



ANALYSIS SEQUENCE

SKA0028

Instrument: FID4
Calibration ID: FA00013

Printed: 1/7/2022 6:12:45PM

Lab Number	Analysis	Container	Order	Position	STD ID	ISTD ID	Client	Comments
SKA0028-IBL1	QC		1		J002430			
SKA0028-IBL2	QC		2		J012751			
SKA0028-CAL1	QC		3		K000192			
SKA0028-CAL2	QC		4		K000193			
SKA0028-CAL3	QC		5		K000194			
SKA0028-CAL4	QC		6		K000195			
SKA0028-CAL5	QC		7		K000196			
SKA0028-CAL6	QC		8		J012752			
SKA0028-CAL7	QC		9		J011839			
SKA0028-CAL8	QC		10		J011838			
SKA0028-CAL9	QC		11		J011837			
SKA0028-CALA	QC		12		J011836			
SKA0028-CALB	QC		13		J011835			
SKA0028-CALC	QC		14		J010293			
SKA0028-SCV1	QC		15		J009677			
SKA0028-SCV2	QC		16		J012167			
SKA0028-CALD	QC		17		J012178			
SKA0028-CALE	QC		18		J012179			
SKA0028-CALF	QC		19		J012180			
SKA0028-CALG	QC		20		J012181			
SKA0028-CALH	QC		21		J012182			

Samples Loaded By _____ Date _____

Data Processed By _____ Date _____



ANALYSIS SEQUENCE

SKA0028

Instrument: FID4
Calibration ID: FA00013

Printed: 1/7/2022 6:12:45PM

Lab Number	Analysis	Container	Order	Position	STD ID	ISTD ID	Client	Comments
SKA0028-CALI	QC		22		J009013			
SKA0028-SCV3	QC		23		J012184			

Samples Loaded By _____ Date

Data Processed By _____ Date

GC LOG SUMMARY FOR DATABATCH - fid4a.i\20220106.b

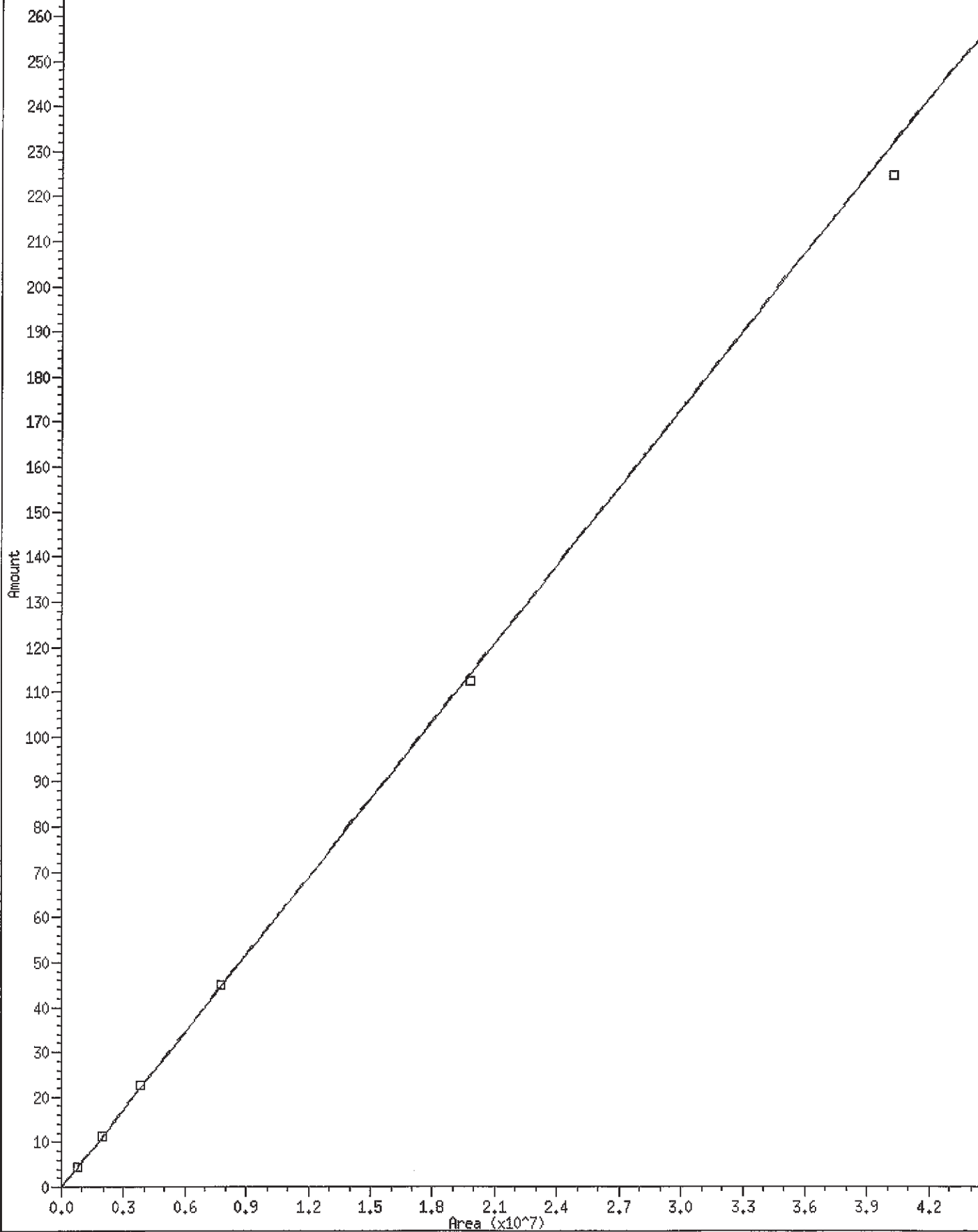
	Inject	Date/Time	Filename	DF	LabID	ClientID
1	06-JAN-2022	09:20	422A0601.D	1	RINSE	
2	06-JAN-2022	09:40	422A0602.D	1	RINSE	
3	06-JAN-2022	09:59	422A0603.D	1	SKA0028-IBL1	
4	06-JAN-2022	10:19	422A0604.D	1	SKA0028-IBL2	
5	06-JAN-2022	10:39	422A0605.D	1	SKA0028-ICV1	
6	06-JAN-2022	10:59	422A0606.D	1	SKA0028-ICV2	
7	06-JAN-2022	11:19	422A0607.D	1	BKA0056-BLK1	
8	06-JAN-2022	11:38	422A0608.D	1	BKA0056-BS1	
9	06-JAN-2022	11:58	422A0609.D	1	BKA0056-MRL1	
10	06-JAN-2022	12:18	422A0610.D	1	BKA0056-MRL2	
11	06-JAN-2022	12:38	422A0611.D	1	22A0041-01	
12	06-JAN-2022	12:58	422A0612.D	10	22A0041-01	
13	06-JAN-2022	13:17	422A0613.D	10	22A0041-02	
14	06-JAN-2022	13:37	422A0614.D	20	22A0041-01	
15	06-JAN-2022	13:57	422A0615.D	20	22A0041-02	
16	06-JAN-2022	14:17	422A0616.D	20	22A0041-03	
17	06-JAN-2022	14:37	422A0617.D	20	22A0041-04	
18	06-JAN-2022	14:56	422A0618.D	1	SKA0028-CCV1	
19	06-JAN-2022	15:16	422A0619.D	1	SKA0028-CCV2	
20	06-JAN-2022	17:04	422A0620.D	1	SKA0028-CAL1	
21	06-JAN-2022	17:24	422A0621.D	1	SKA0028-CAL2	
22	06-JAN-2022	17:44	422A0622.D	1	SKA0028-CAL3	
23	06-JAN-2022	18:04	422A0623.D	1	SKA0028-CAL4	
24	06-JAN-2022	18:23	422A0624.D	1	SKA0028-CAL5	
25	06-JAN-2022	18:43	422A0625.D	1	SKA0028-CAL6	
26	06-JAN-2022	19:03	422A0626.D	1	SKA0028-CAL7	
27	06-JAN-2022	19:23	422A0627.D	1	SKA0028-CAL8	
28	06-JAN-2022	19:43	422A0628.D	1	SKA0028-CAL9	
29	06-JAN-2022	20:02	422A0629.D	1	SKA0028-CALA	
30	06-JAN-2022	20:22	422A0630.D	1	SKA0028-CALB	
31	06-JAN-2022	20:42	422A0631.D	1	SKA0028-CALC	
32	06-JAN-2022	21:02	422A0632.D	1	SKA0028-SCV1	
33	06-JAN-2022	21:21	422A0633.D	1	SKA0028-SCV2	
34	06-JAN-2022	21:41	422A0634.D	1	SKA0028-CALD	
35	06-JAN-2022	22:01	422A0635.D	1	SKA0028-CALE	
36	06-JAN-2022	22:21	422A0636.D	1	SKA0028-CALF	
37	06-JAN-2022	22:40	422A0637.D	1	SKA0028-CALG	
38	06-JAN-2022	23:00	422A0638.D	1	SKA0028-CALH	
39	06-JAN-2022	23:20	422A0639.D	1	SKA0028-CALI	
40	06-JAN-2022	23:40	422A0640.D	1	SKA0028-SCV3	

* 15 Triacon Surr

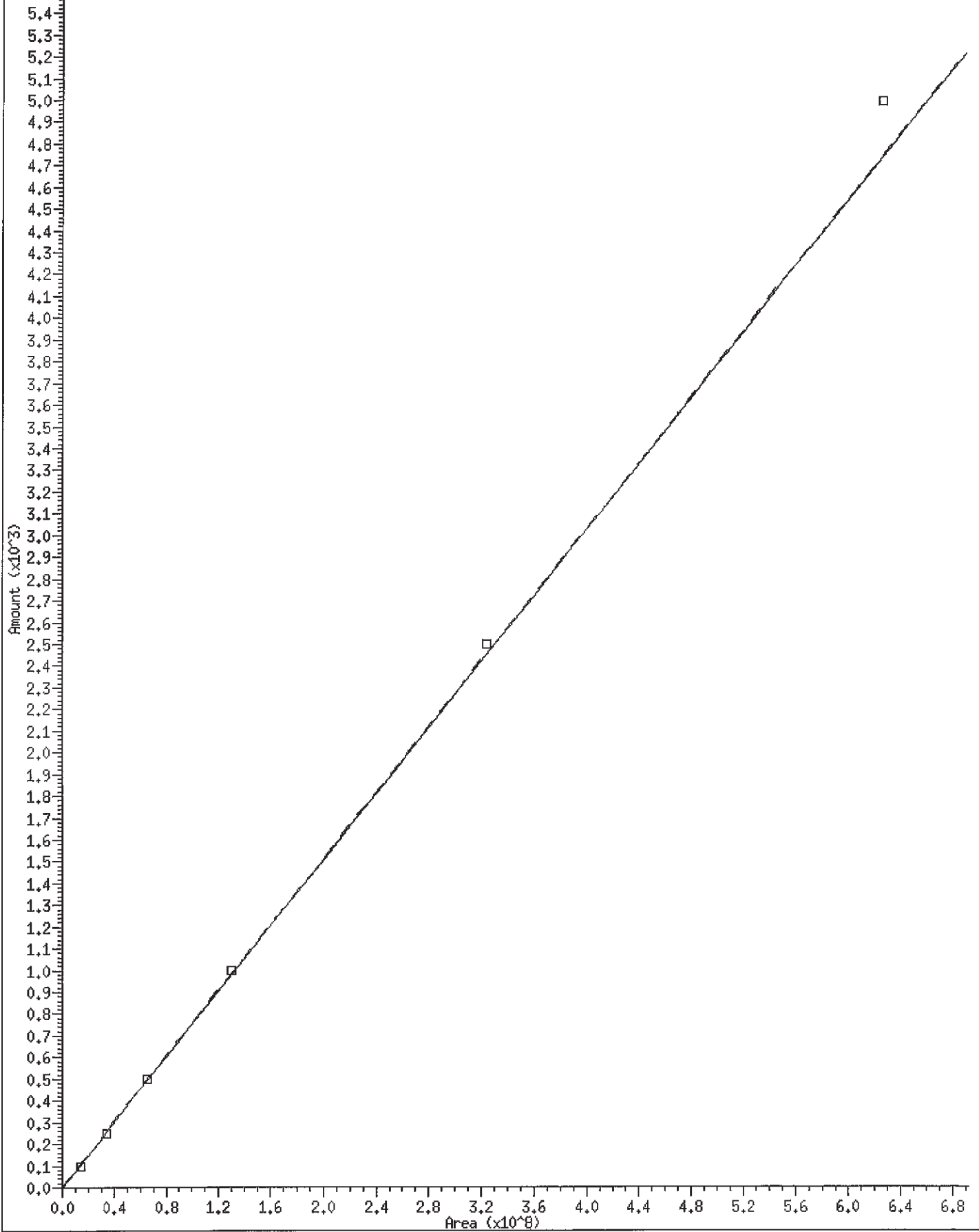
Curve Type: Averaged By-Response

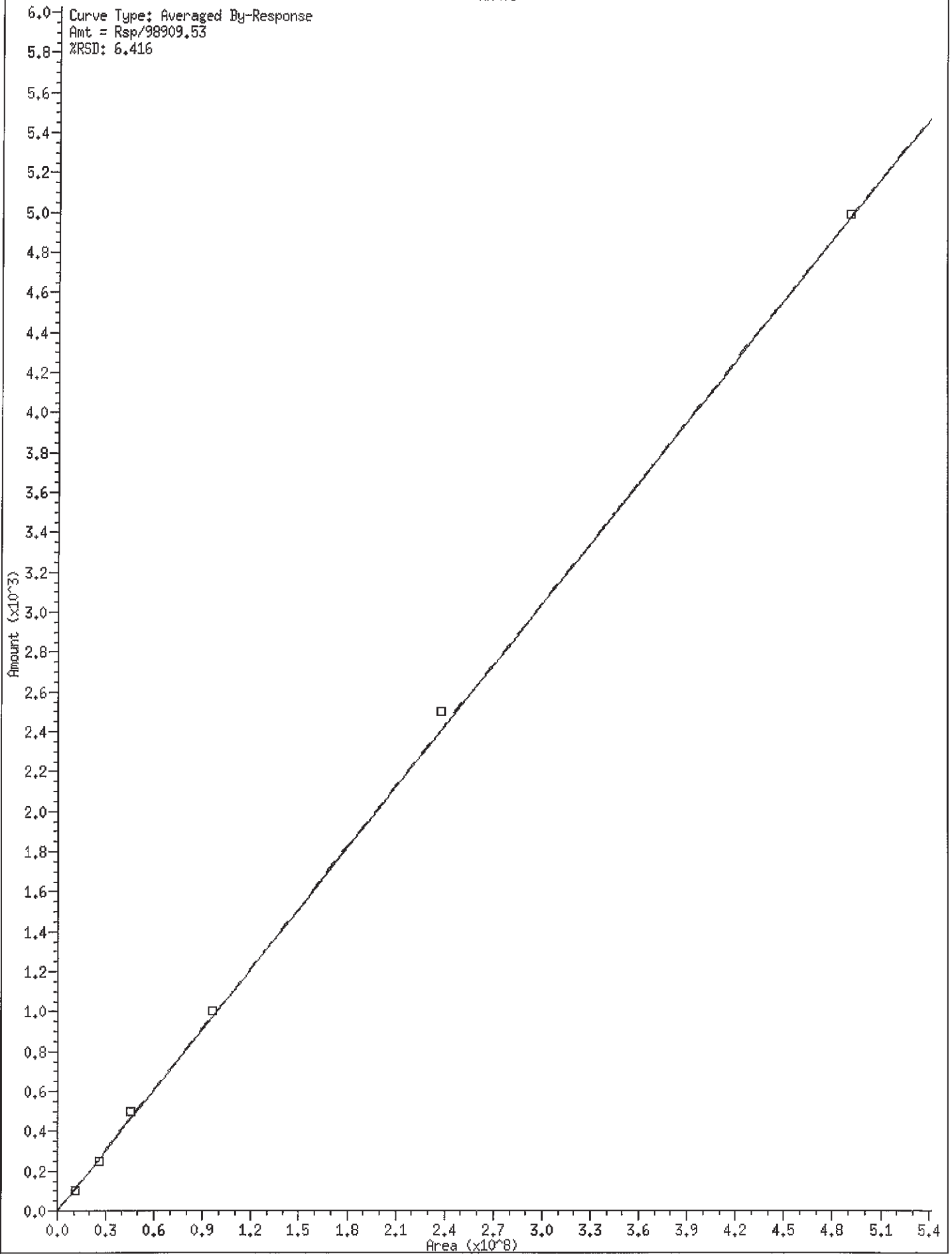
Amt = Rsp/174221

%RSD: 1.939



5.7 Curve Type: Averaged By-Response
5.6 Amt = Rsp/132579.1
5.5 %RSD: 4.906

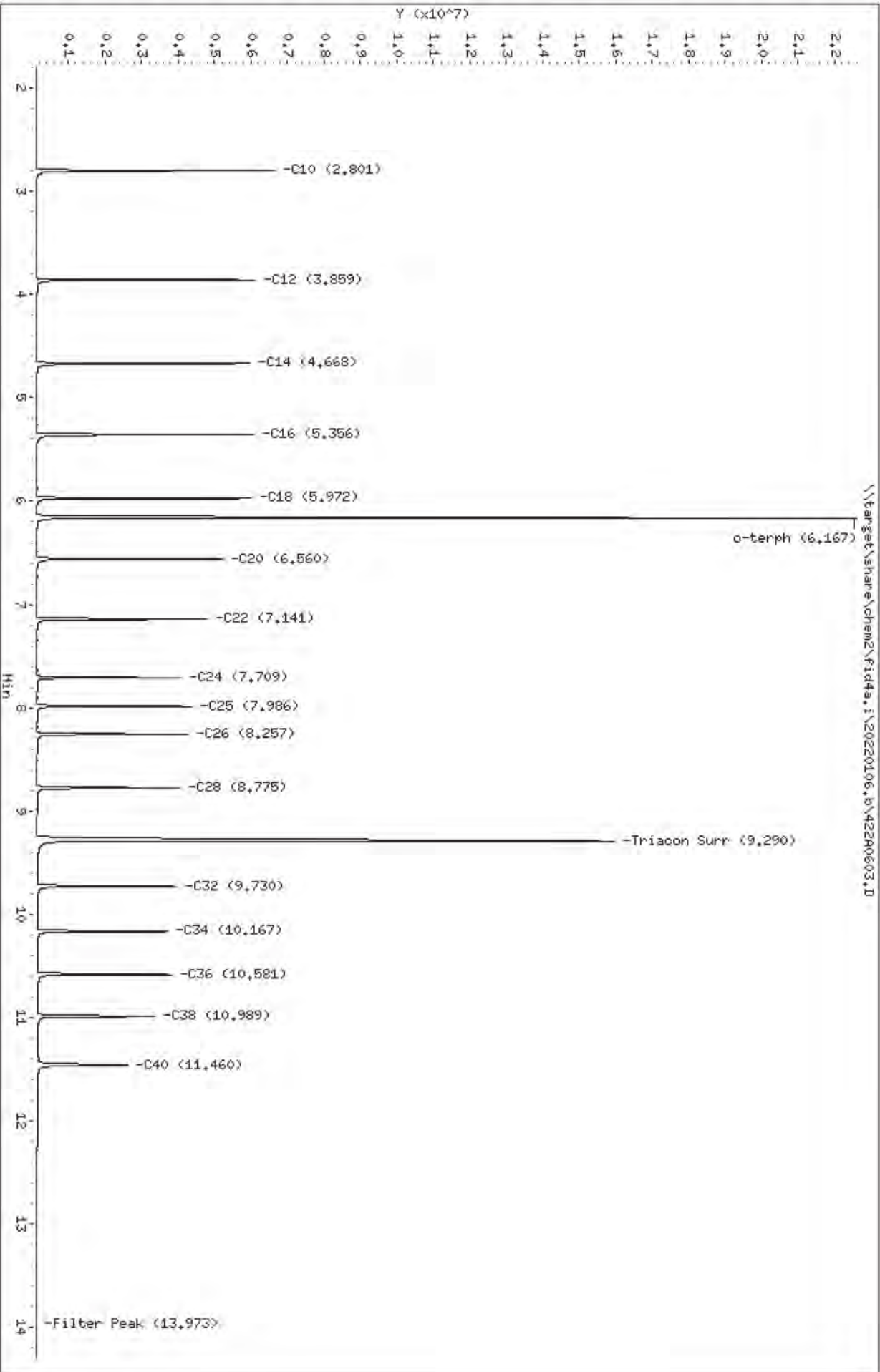




Data File: \\target\share\chem2\fid4s,1\20220106,b\42240603.D
Date: 06-JUN-2022 09:59
Client ID:
Sample Info: SKA0028-IBL1

Column phase: RTX-1

Instrument: fid4s,1
Operator: TMC
Column diameter: 0.25



Analytical Resources Inc.
TPH Quantitation Report

Data file: 20220106.b/422A0603.D
Method: 20220106.b\FID4TPH.m
Instrument: fid4a.i, TWC
Report Date: 01/07/2022
Macro: 09-SEP-2019
Calibration Dates: Gas:XX-XXX-XXXX Diesel:06-DEC-2022 M.Oil:06-DEC-2022

ARI ID: SKA0028-IBL1
Client ID:
Injection: 06-JAN-2022 09:59
Dilution Factor: 1
RT Std: 422A0603.D

FID:4A RESULTS

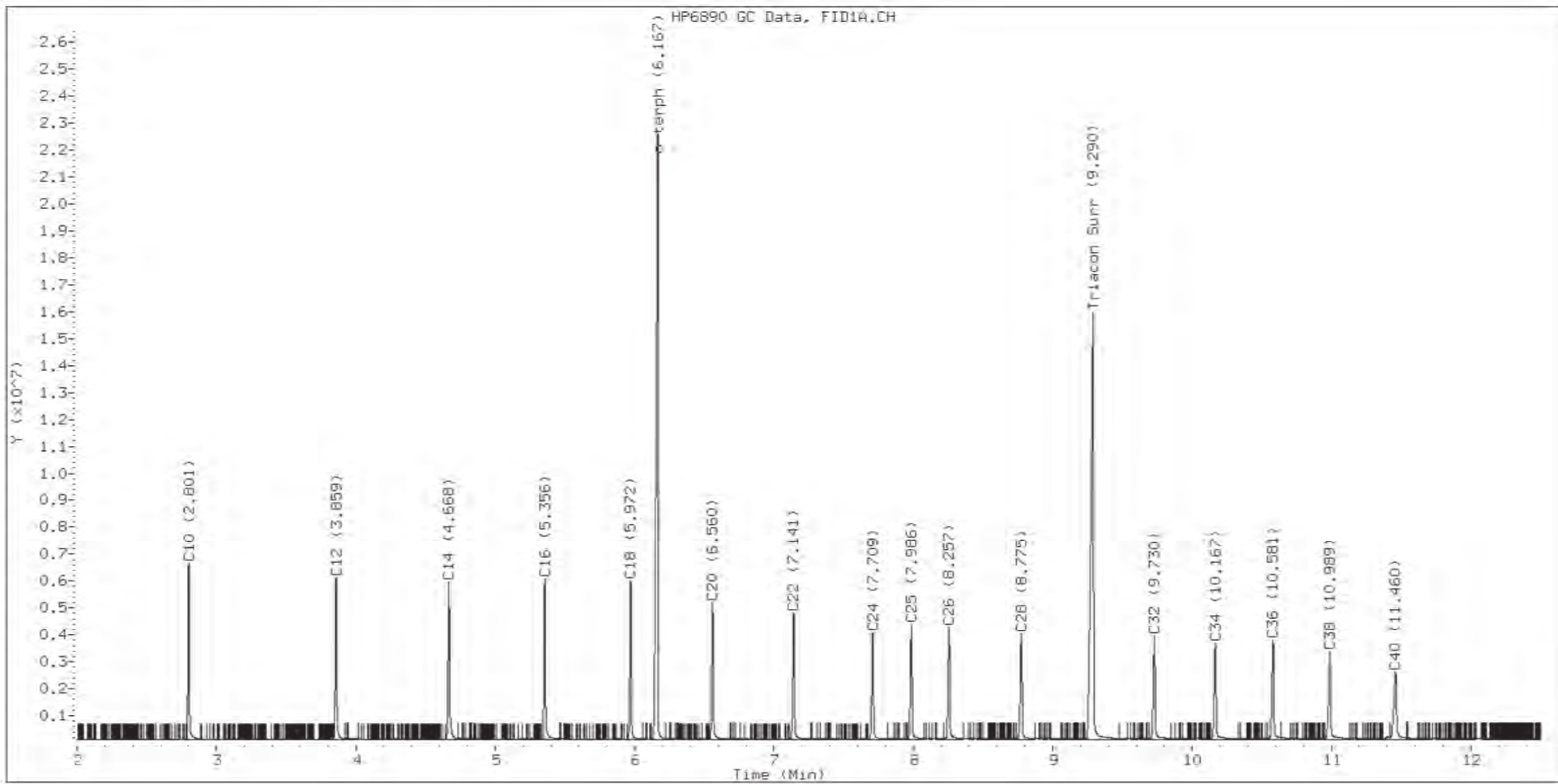
Compound	RT	Shift	Height	Area	Method	Range	Total Area	Conc (mg/L)
C8	1.566	0.000	6713601	4039787	WATPHD	(C12-C24)	25039660	171.8
C10	2.801	0.000	6536883	4315633	WATPHM	(C24-C38)	28366853	214.0
C12	3.859	0.000	5996498	4131476	AK102	(C10-C25)	33798538	196.2
C14	4.668	0.000	5854462	4184820	AK103	(C25-C36)	23829494	240.9
C16	5.356	0.000	5963937	4127029	OR.DIES	(C10-C28)	45179025	260.0
C18	5.972	0.000	5885012	4061247				
C20	6.560	0.000	5093441	4004125				
C22	7.141	0.000	4686847	3888196				
C24	7.709	0.000	3978753	3286889				
C25	7.986	0.000	4279511	3648257				
C26	8.257	0.000	4166577	3725307				
C28	8.775	0.000	3937835	3595457				
C32	9.730	0.000	3839649	3755061				
C34	10.167	0.000	3575886	3656599				
Filter Peak	13.973	0.000	14079	6183				
C36	10.581	0.000	3708443	3634457				
C38	10.989	0.000	3260642	3846028				
C40	11.460	0.000	2490894	3636263				
o-terph	6.167	0.000	22482578	21984004				
Triacon Surr	9.290	0.000	15855592	21633183	NAS DIES	(C10-C24)	33658258	196.0

Range Times: NW Diesel(3.859 - 7.709) AK102(2.80 - 7.99) Jet A(2.80 - 5.97)
NW M.Oil(7.71 - 10.99) AK103(7.99 - 10.58) OR Diesel(2.80 - 8.78)

Surrogate	Area	Amount
o-Terphenyl	21984004	114.5
Triacontane	21633183	124.2

M Indicates the peak was manually integrated

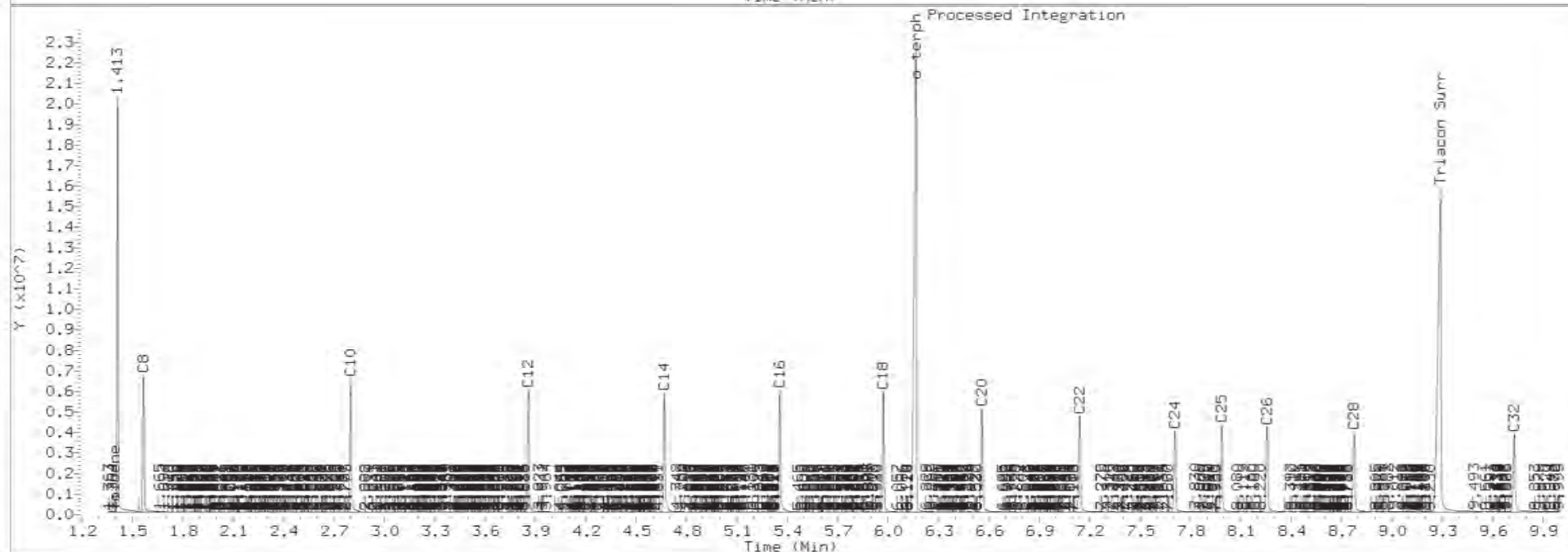
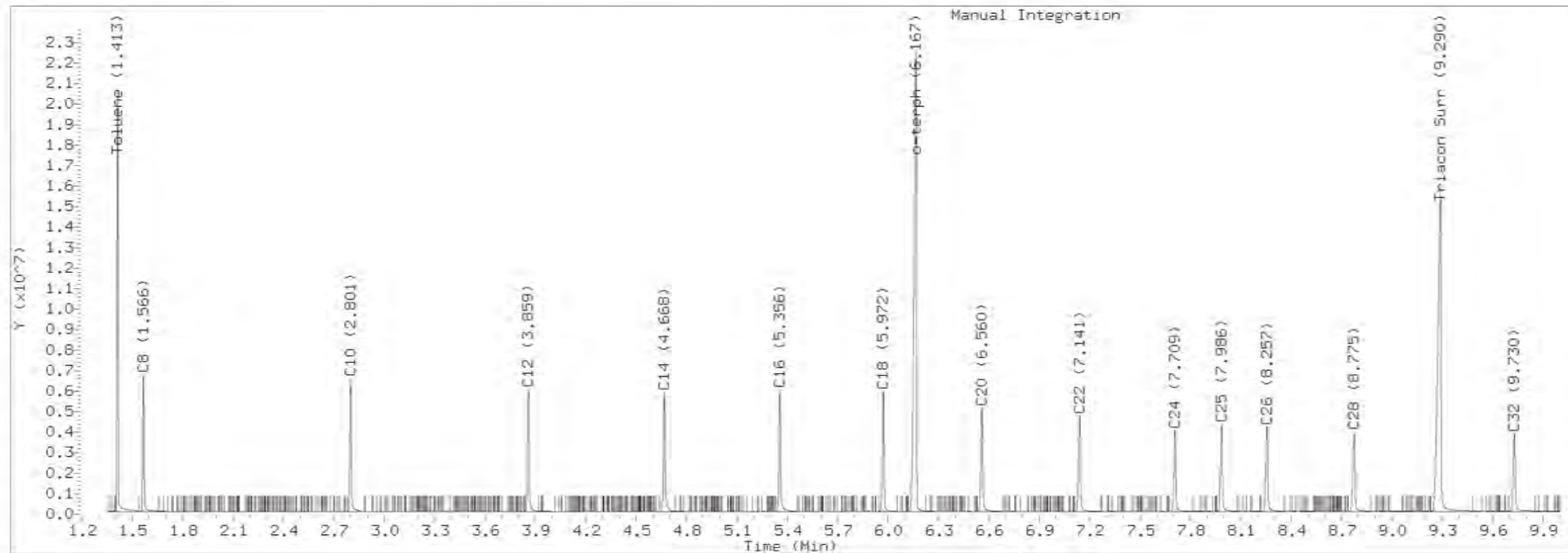
Analyte	RF	Curve Date
o-Terph Surr	192003.9	
Triacon Surr	174221.0	
Gas	15000.0	XX-XXX-XXXX
Diesel	145750.5	06-DEC-2022
Motor Oil	132579.1	06-DEC-2022
AK102	172235.6	06-DEC-2022
AK103	98909.5	06-DEC-2022
OR Diesel	173767.2	06-DEC-2022
NAS Diesel	171749.5	06-DEC-2022



TPH Manual Integrations Report

Datafile: FID4A, 20220106.b/422A0603.D Injection: 06-JAN-2022 09:59

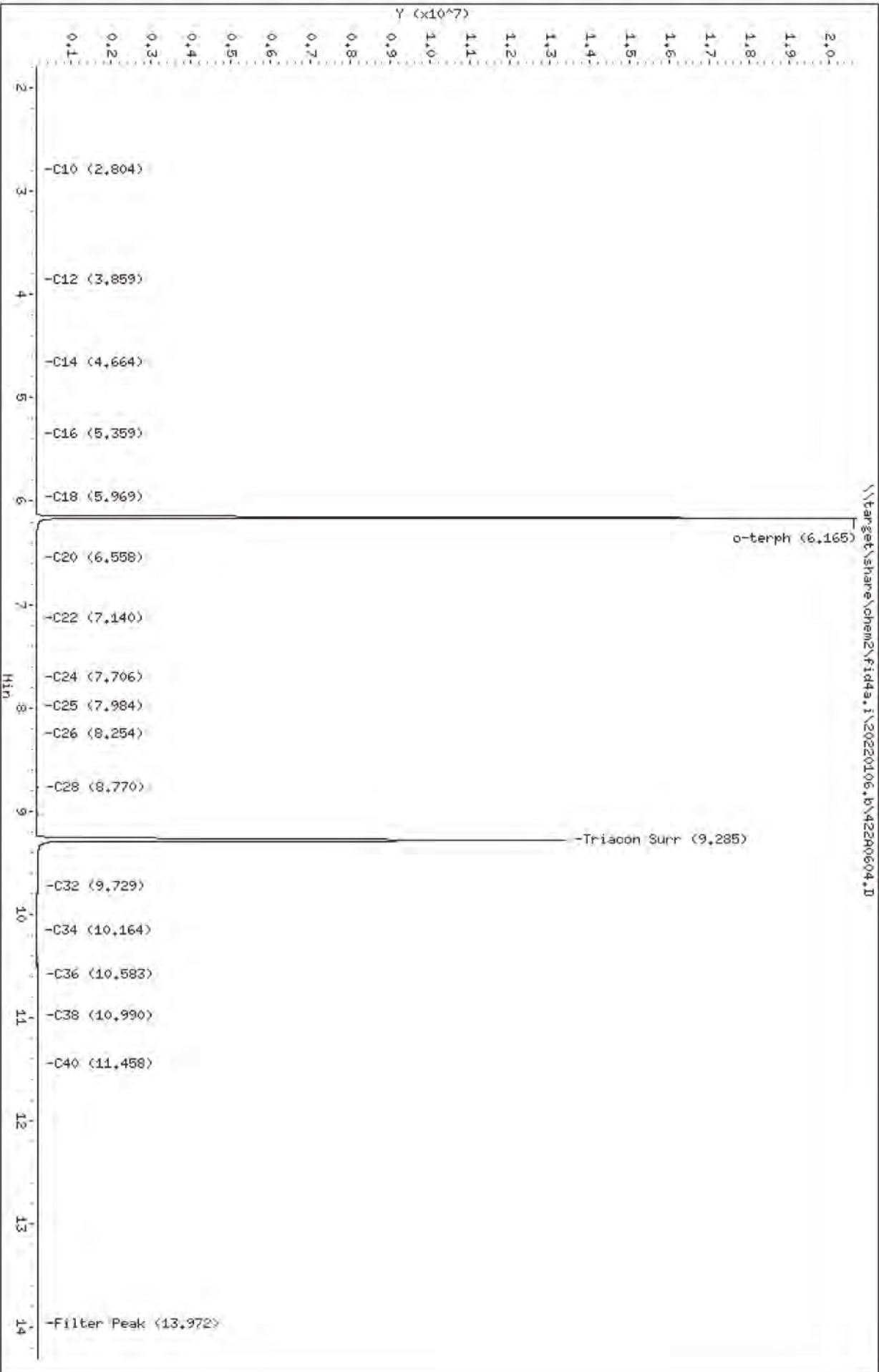
Lab ID:SKA0028-IBL1



Data File: \\target\share\chem2\fid4s.1\20220106.b\42240604.D
Date: 06-JUN-2022 10:19
Client ID:
Sample Info: SKA0028-IBL2

Column phase: RTX-1

Instrument: fid4s.1
Operator: TMC
Column diameter: 0.25



Analytical Resources Inc.
TPH Quantitation Report

Data file: 20220106.b/422A0604.D
Method: 20220106.b\FID4TPH.m
Instrument: fid4a.i, TWC
Report Date: 01/07/2022
Macro: 09-SEP-2019
Calibration Dates: Gas:XX-XXX-XXXX Diesel:06-DEC-2022 M.Oil:06-DEC-2022

ARI ID: SKA0028-IBL2
Client ID:
Injection: 06-JAN-2022 10:19
Dilution Factor: 1
RT Std: 422A0603.D

FID:4A RESULTS

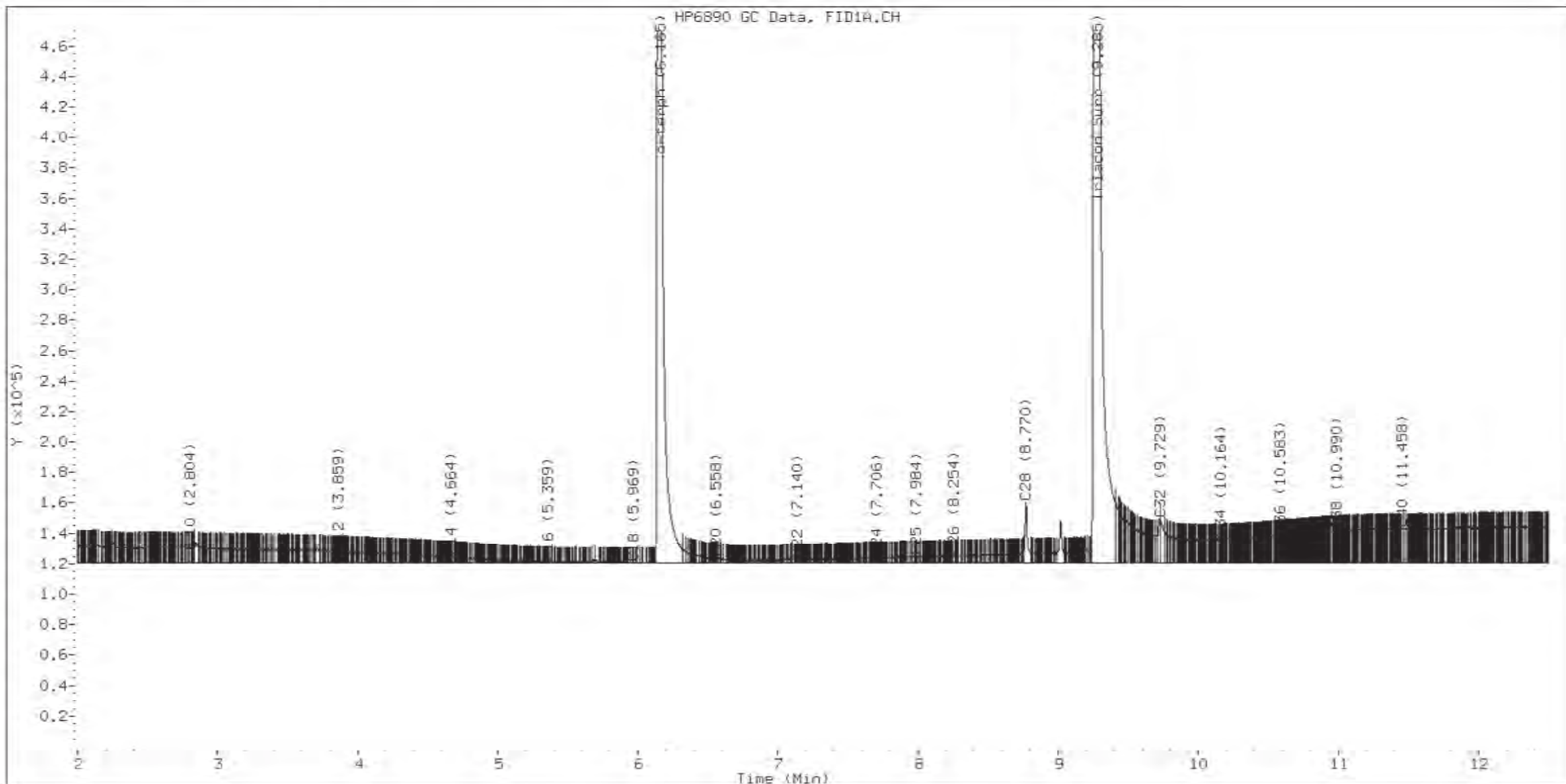
Compound	RT	Shift	Height	Area	Method	Range	Total Area	Conc (mg/L)
C8	1.559	-0.008	19299	11444	WATPHD	(C12-C24)	622077	4.3
C10	2.804	0.003	10342	8454	WATPHM	(C24-C38)	2333932	17.6
C12	3.859	-0.000	7697	1914	AK102	(C10-C25)	1293098	7.5
C14	4.664	-0.004	4159	2417	AK103	(C25-C36)	1797549	18.2
C16	5.359	0.002	914	207	OR.DIES	(C10-C28)	1589947	9.1
C18	5.969	-0.003	462	129				
C20	6.558	-0.002	3676	1619				
C22	7.140	-0.001	2659	646				
C24	7.706	-0.003	3951	1720				
C25	7.984	-0.002	4536	2462				
C26	8.254	-0.004	5187	4697				
C28	8.770	-0.005	39782	48787				
C32	9.729	-0.001	29141	49217				
C34	10.164	-0.003	15846	10202				
Filter Peak	13.972	-0.001	22292	8869				
C36	10.583	0.001	18551	7386				
C38	10.990	0.001	21344	10622				
C40	11.458	-0.002	22810	13640				
o-terph	6.165	-0.002	20576644	20107672				
Triacon Surr	9.285	-0.004	13279811	16645751	NAS DIES	(C10-C24)	1251413	7.3

Range Times: NW Diesel(3.859 - 7.709) AK102(2.80 - 7.99) Jet A(2.80 - 5.97)
NW M.Oil(7.71 - 10.99) AK103(7.99 - 10.58) OR Diesel(2.80 - 8.78)

Surrogate	Area	Amount
o-Terphenyl	20107672	104.7
Triacontane	16645751	95.5

M Indicates the peak was manually integrated

Analyte	RF	Curve Date
o-Terph Surr	192003.9	
Triacon Surr	174221.0	
Gas	15000.0	XX-XXX-XXXX
Diesel	145750.5	06-DEC-2022
Motor Oil	132579.1	06-DEC-2022
AK102	172235.6	06-DEC-2022
AK103	98909.5	06-DEC-2022
OR Diesel	173767.2	06-DEC-2022
NAS Diesel	171749.5	06-DEC-2022

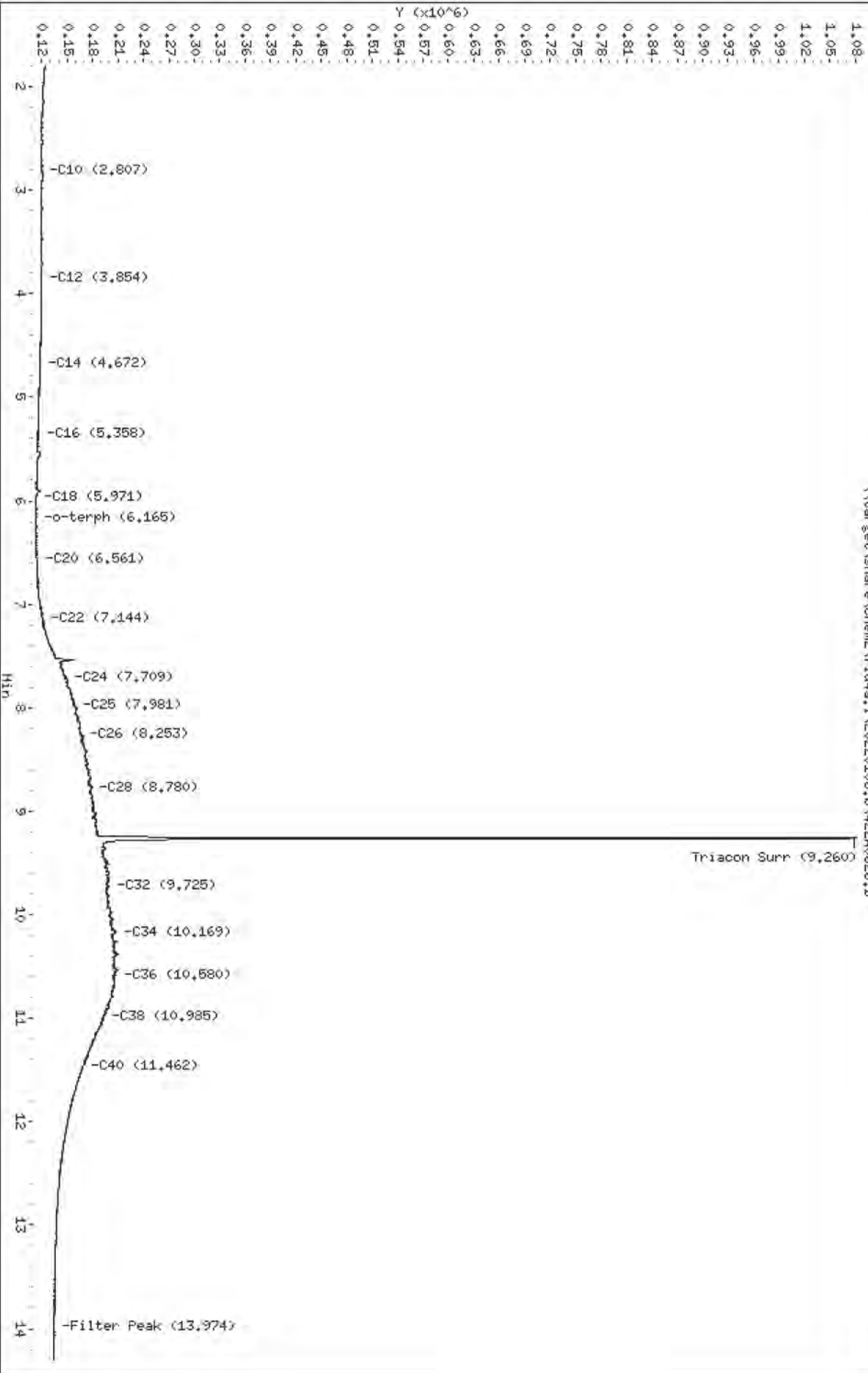


Data File: \\target\share\chem2\fid4s.1\20220106.b\42240626.D
Date: 06-JUN-2022 19:03
Client ID:
Sample Info: SKA0028-CAL7

Column phase: RTX-1

Instrument: fid4s.1
Operator: TMC
Column diameter: 0.25

\\target\share\chem2\fid4s.1\20220106.b\42240626.D



Analytical Resources Inc.
TPH Quantitation Report

Data file: 20220106.b/422A0626.D
Method: 20220106.b\FID4TPH.m
Instrument: fid4a.i, TWC
Report Date: 01/07/2022
Macro: 09-SEP-2019
Calibration Dates: Gas:XX-XXX-XXXX Diesel:06-DEC-2022 M.Oil:06-DEC-2022

ARI ID: SKA0028-CAL7
Client ID:
Injection: 06-JAN-2022 19:03
Dilution Factor: 1
RT Std: 422A0603.D

FID:4A RESULTS

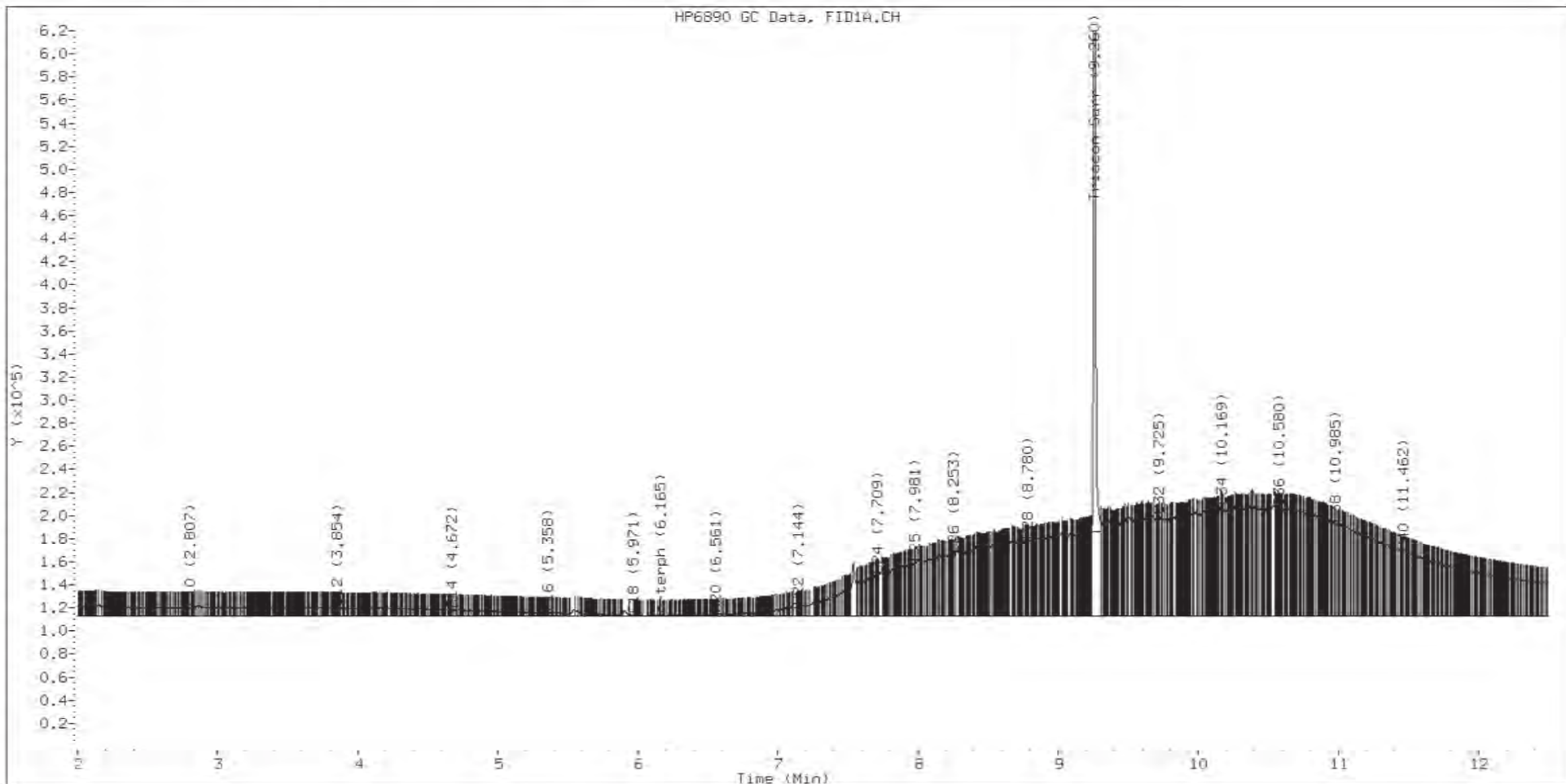
Compound	RT	Shift	Height	Area	Method	Range	Total Area	Conc (mg/L)
C8	1.567	0.001	17629	12134	WATPHD	(C12-C24)	1428990	9.8
C10	2.807	0.006	7315	5700	WATPHM	(C24-C38)	14418390	108.8
C12	3.854	-0.005	6863	3745	AK102	(C10-C25)	2314627	13.4
C14	4.672	0.004	4948	1225	AK103	(C25-C36)	11930212	120.6
C16	5.358	0.002	2549	743	OR.DIES	(C10-C28)	5302500	30.5
C18	5.971	-0.001	466	165				
C20	6.561	0.002	1433	294				
C22	7.144	0.002	8558	5362				
C24	7.709	-0.000	35231	7021				
C25	7.981	-0.005	45824	15837				
C26	8.253	-0.004	53409	34474				
C28	8.780	0.005	65326	35831				
C32	9.725	-0.005	86340	63871				
C34	10.169	0.002	95121	70488				
Filter Peak	13.974	0.001	21668	9718				
C36	10.580	-0.001	93623	60434				
C38	10.985	-0.004	79927	51632				
C40	11.462	0.002	55525	16626				
o-terph	6.165	-0.003	642	355				
Triacon Surr	9.260	-0.029	895649	780573	NAS DIES	(C10-C24)	1888344	11.0

Range Times: NW Diesel(3.859 - 7.709) AK102(2.80 - 7.99) Jet A(2.80 - 5.97)
NW M.Oil(7.71 - 10.99) AK103(7.99 - 10.58) OR Diesel(2.80 - 8.78)

Surrogate	Area	Amount
o-Terphenyl	355	0.0
Triacontane	780573	4.5 M

M Indicates the peak was manually integrated

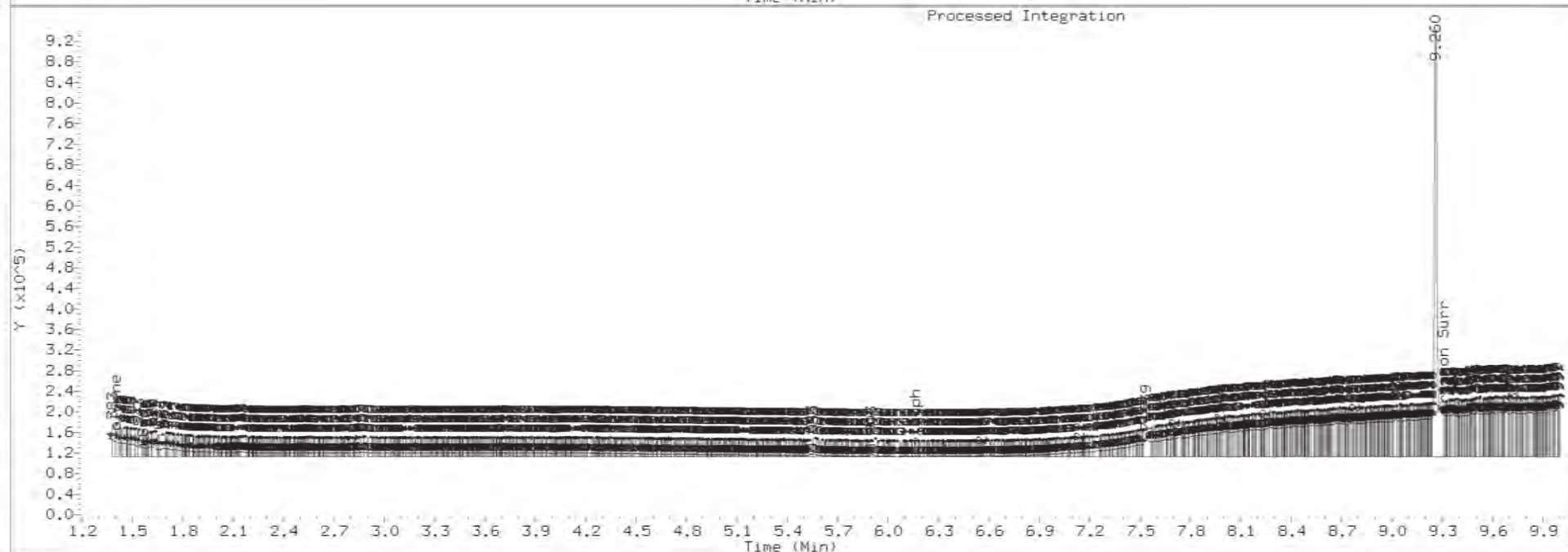
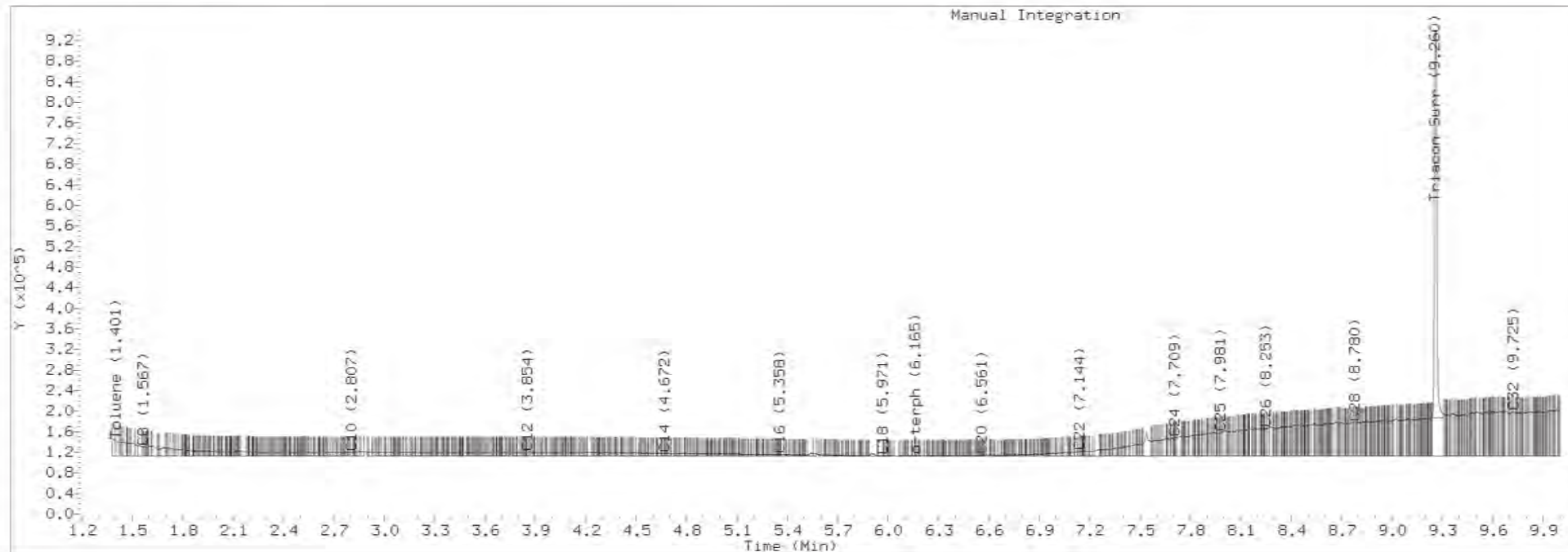
Analyte	RF	Curve Date
o-Terph Surr	192003.9	
Triacon Surr	174221.0	
Gas	15000.0	XX-XXX-XXXX
Diesel	145750.5	06-DEC-2022
Motor Oil	132579.1	06-DEC-2022
AK102	172235.6	06-DEC-2022
AK103	98909.5	06-DEC-2022
OR Diesel	173767.2	06-DEC-2022
NAS Diesel	171749.5	06-DEC-2022



TPH Manual Integrations Report

Datafile: FID4A, 20220106.b/422A0626.D Injection: 06-JAN-2022 19:03

Lab ID:SKA0028-CAL7

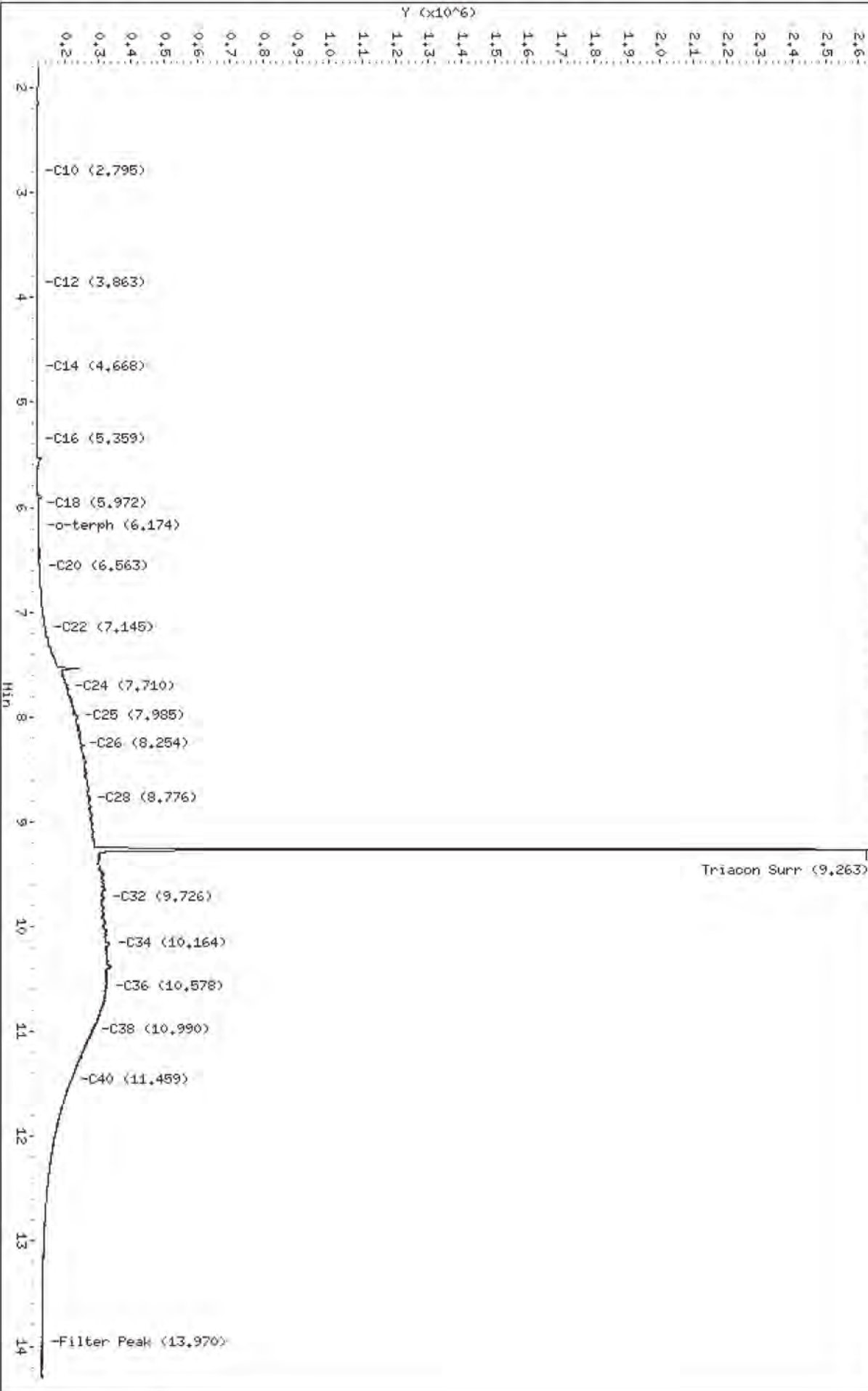


Data File: \\target\share\chem2\fid4s.1\20220106.b\42240627.D
Date: 06-JUN-2022 19:23
Client ID:
Sample Info: SKA0028-CAL8

Column phase: RTX-1

Instrument: fid4s.1
Operator: TMC
Column diameter: 0.25

\\target\share\chem2\fid4s.1\20220106.b\42240627.D



Analytical Resources Inc.
TPH Quantitation Report

Data file: 20220106.b/422A0627.D
Method: 20220106.b\FID4TPH.m
Instrument: fid4a.i, TWC
Report Date: 01/07/2022
Macro: 09-SEP-2019
Calibration Dates: Gas:XX-XXX-XXXX Diesel:06-DEC-2022 M.Oil:06-DEC-2022

ARI ID: SKA0028-CAL8
Client ID:
Injection: 06-JAN-2022 19:23
Dilution Factor: 1
RT Std: 422A0603.D

FID:4A RESULTS

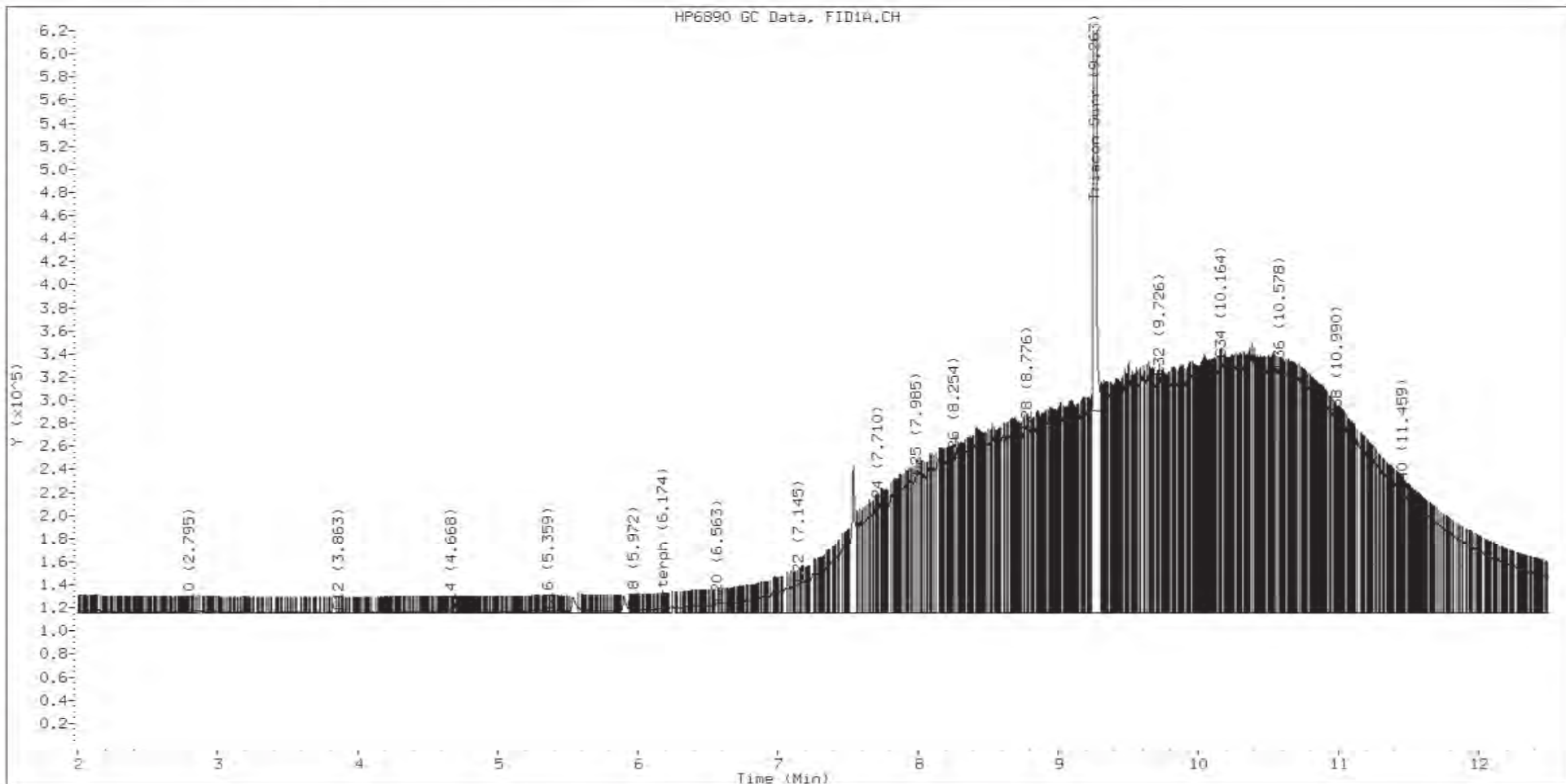
Compound	RT	Shift	Height	Area	Method	Range	Total Area	Conc (mg/L)
C8	1.564	-0.002	10974	5451	WATPHD	(C12-C24)	2859083	19.6
C10	2.795	-0.006	709	310	WATPHM	(C24-C38)	33910212	255.8
C12	3.863	0.005	301	110	AK102	(C10-C25)	3974861	23.1
C14	4.668	-0.000	959	351	AK103	(C25-C36)	28362150	286.7
C16	5.359	0.003	1341	1255	OR.DIES	(C10-C28)	11300132	65.0
C18	5.972	-0.000	2547	737				
C20	6.563	0.004	8305	10153				
C22	7.145	0.004	24838	24382				
C24	7.710	0.001	89563	22309				
C25	7.985	-0.001	118154	98497				
C26	8.254	-0.003	131978	52511				
C28	8.776	0.001	158032	39436				
C32	9.726	-0.004	204424	200858				
C34	10.164	-0.003	219294	141700				
Filter Peak	13.970	-0.003	15114	5260				
C36	10.578	-0.003	210164	104564				
C38	10.990	0.001	167544	83266				
C40	11.459	-0.000	104690	57072				
o-terph	6.174	0.007	3070	1055				
Triacon Surr	9.263	-0.026	2341627	1948565	NAS DIES	(C10-C24)	2883231	16.8

Range Times: NW Diesel(3.859 - 7.709) AK102(2.80 - 7.99) Jet A(2.80 - 5.97)
NW M.Oil(7.71 - 10.99) AK103(7.99 - 10.58) OR Diesel(2.80 - 8.78)

Surrogate	Area	Amount
o-Terphenyl	1055	0.0
Triacontane	1948565	11.2 M

M Indicates the peak was manually integrated

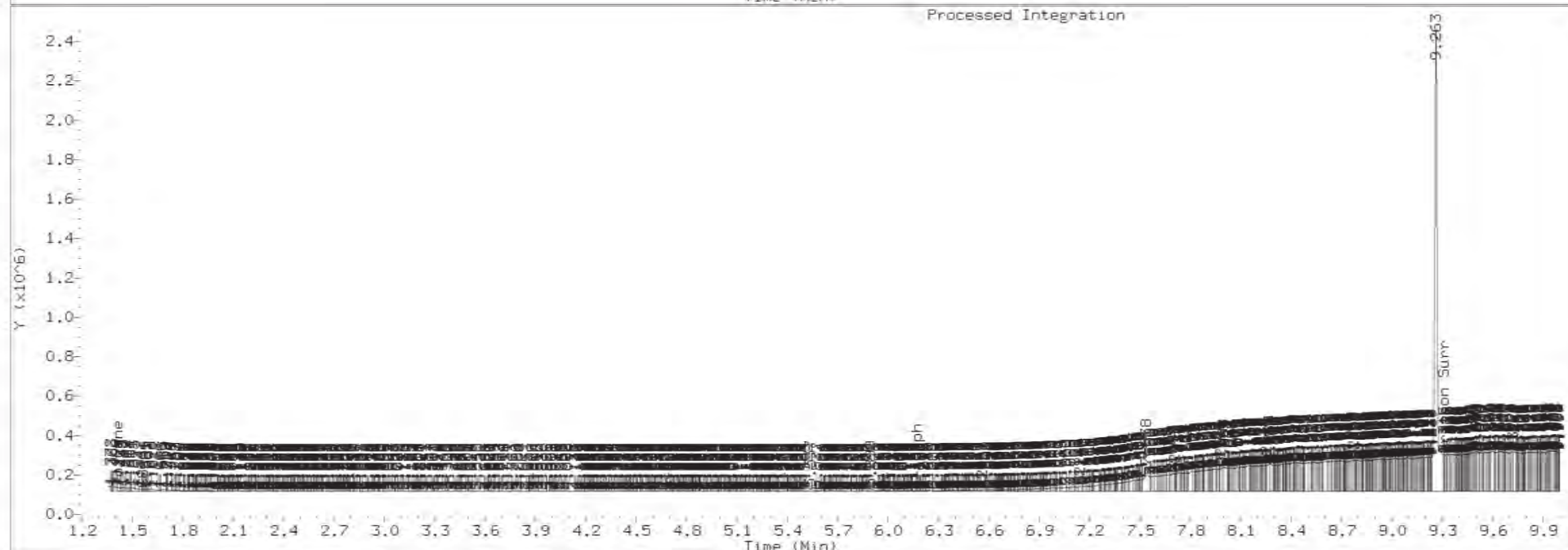
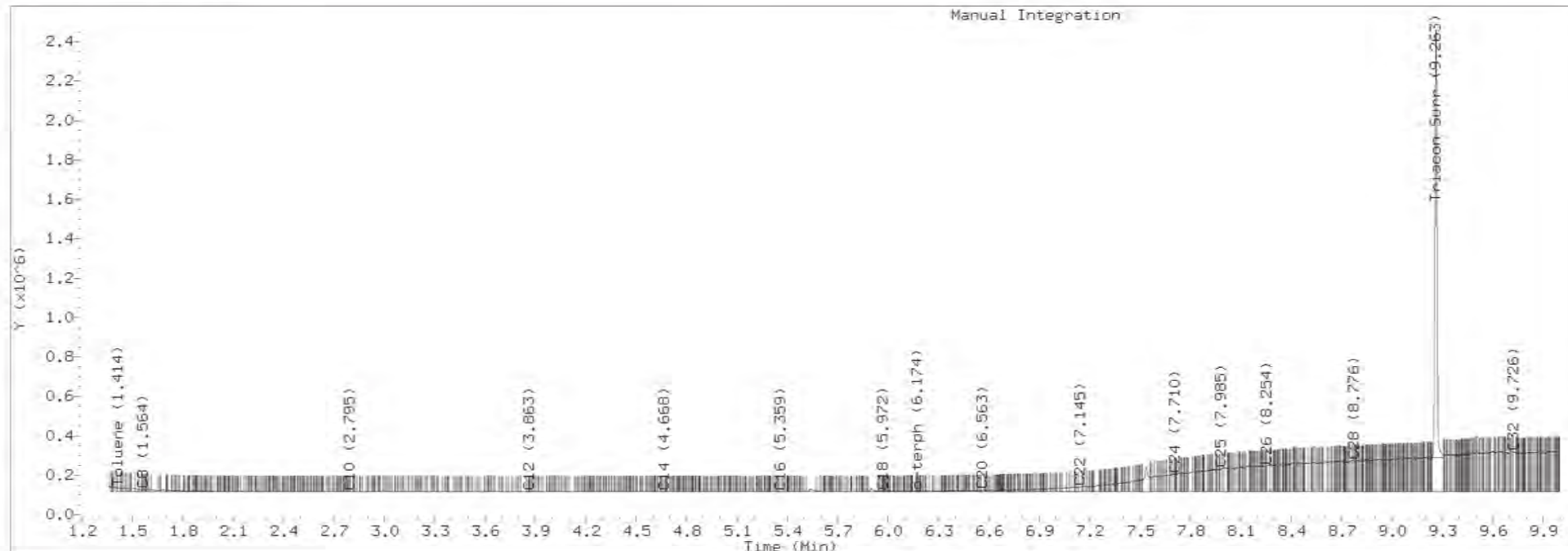
Analyte	RF	Curve Date
o-Terph Surr	192003.9	
Triacon Surr	174221.0	
Gas	15000.0	XX-XXX-XXXX
Diesel	145750.5	06-DEC-2022
Motor Oil	132579.1	06-DEC-2022
AK102	172235.6	06-DEC-2022
AK103	98909.5	06-DEC-2022
OR Diesel	173767.2	06-DEC-2022
NAS Diesel	171749.5	06-DEC-2022



TPH Manual Integrations Report

Datafile: FID4A, 20220106.b/422A0627.D Injection: 06-JAN-2022 19:23

Lab ID:SKA0028-CAL8

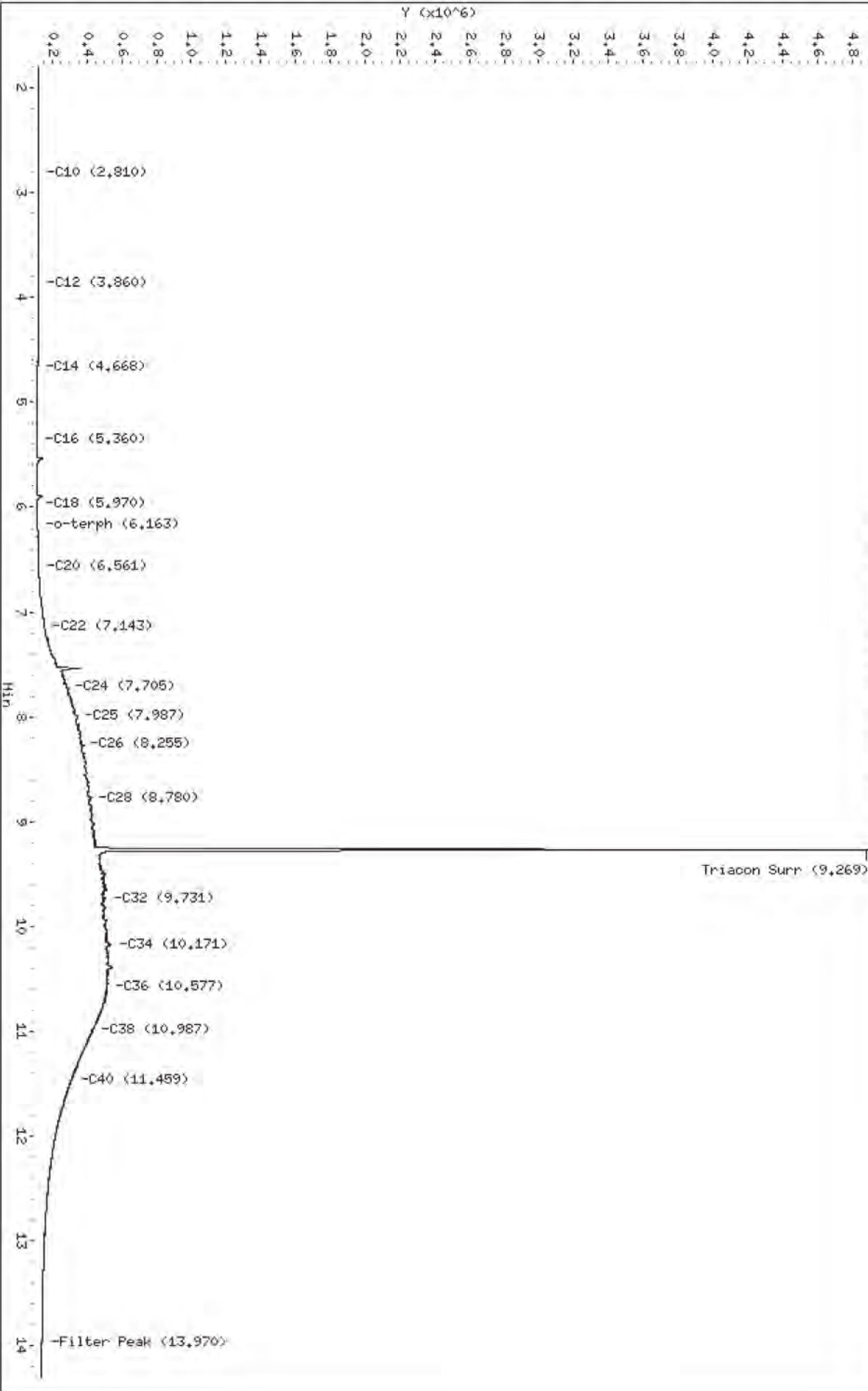


Data File: \\target\share\chem2\fid4s.1\20220106.b\42240628.D
Date: 06-JAN-2022 19:43
Client ID:
Sample Info: SKA0028-CAL9

Column phase: RTX-1

Instrument: fid4s.1
Operator: TMC
Column diameter: 0.25

\\target\share\chem2\fid4s.1\20220106.b\42240628.D



Analytical Resources Inc.
TPH Quantitation Report

Data file: 20220106.b/422A0628.D
Method: 20220106.b\FID4TPH.m
Instrument: fid4a.i, TWC
Report Date: 01/07/2022
Macro: 09-SEP-2019
Calibration Dates: Gas:XX-XXX-XXXX Diesel:06-DEC-2022 M.Oil:06-DEC-2022

ARI ID: SKA0028-CAL9
Client ID:
Injection: 06-JAN-2022 19:43
Dilution Factor: 1
RT Std: 422A0603.D

FID:4A RESULTS

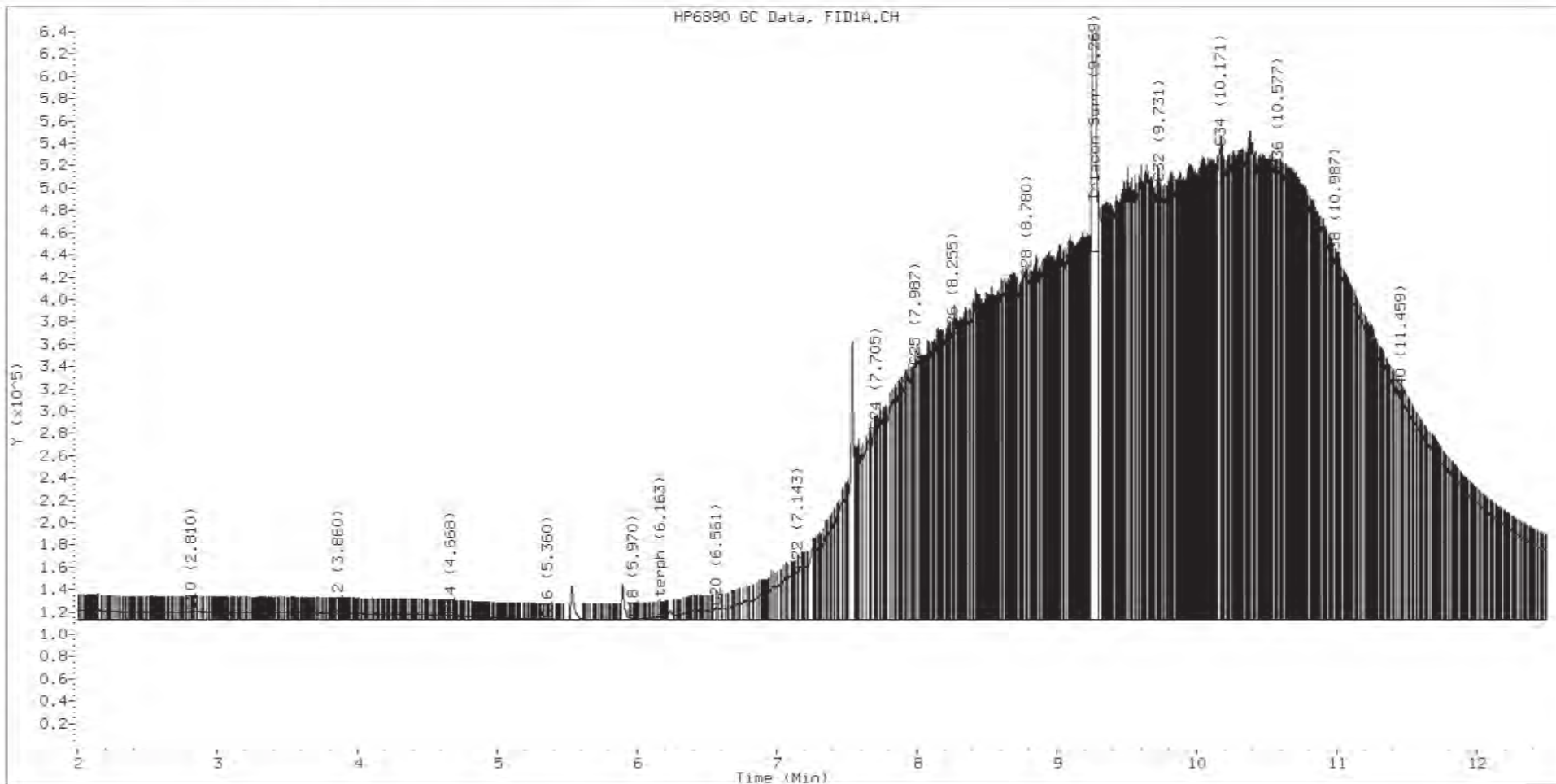
Compound	RT	Shift	Height	Area	Method	Range	Total Area	Conc (mg/L)
C8	1.561	-0.005	18899	18490	WATPHD	(C12-C24)	5267715	36.1
C10	2.810	0.009	7809	6657	WATPHM	(C24-C38)	65361242	493.0
C12	3.860	0.002	6145	3630	AK102	(C10-C25)	7695397	44.7
C14	4.668	-0.000	3930	3869	AK103	(C25-C36)	54505288	551.1
C16	5.360	0.003	880	170	OR.DIES	(C10-C28)	21861512	125.8
C18	5.970	-0.002	1438	845				
C20	6.561	0.002	11665	15498				
C22	7.143	0.002	44022	42387				
C24	7.705	-0.003	169267	59011				
C25	7.987	0.001	227115	166595				
C26	8.255	-0.002	254374	63387				
C28	8.780	0.005	305712	121521				
C32	9.731	0.002	392327	135919				
C34	10.171	0.004	423466	189821				
Filter Peak	13.970	-0.003	28198	15418				
C36	10.577	-0.004	403448	160577				
C38	10.987	-0.002	321415	144011				
C40	11.459	-0.001	199069	49536				
o-terph	6.163	-0.004	2391	1211				
Triacon Surr	9.269	-0.021	4456889	3832767	NAS DIES	(C10-C24)	5689375	33.1

Range Times: NW Diesel(3.859 - 7.709) AK102(2.80 - 7.99) Jet A(2.80 - 5.97)
NW M.Oil(7.71 - 10.99) AK103(7.99 - 10.58) OR Diesel(2.80 - 8.78)

Surrogate	Area	Amount
o-Terphenyl	1211	0.0
Triacontane	3832767	22.0 M

M Indicates the peak was manually integrated

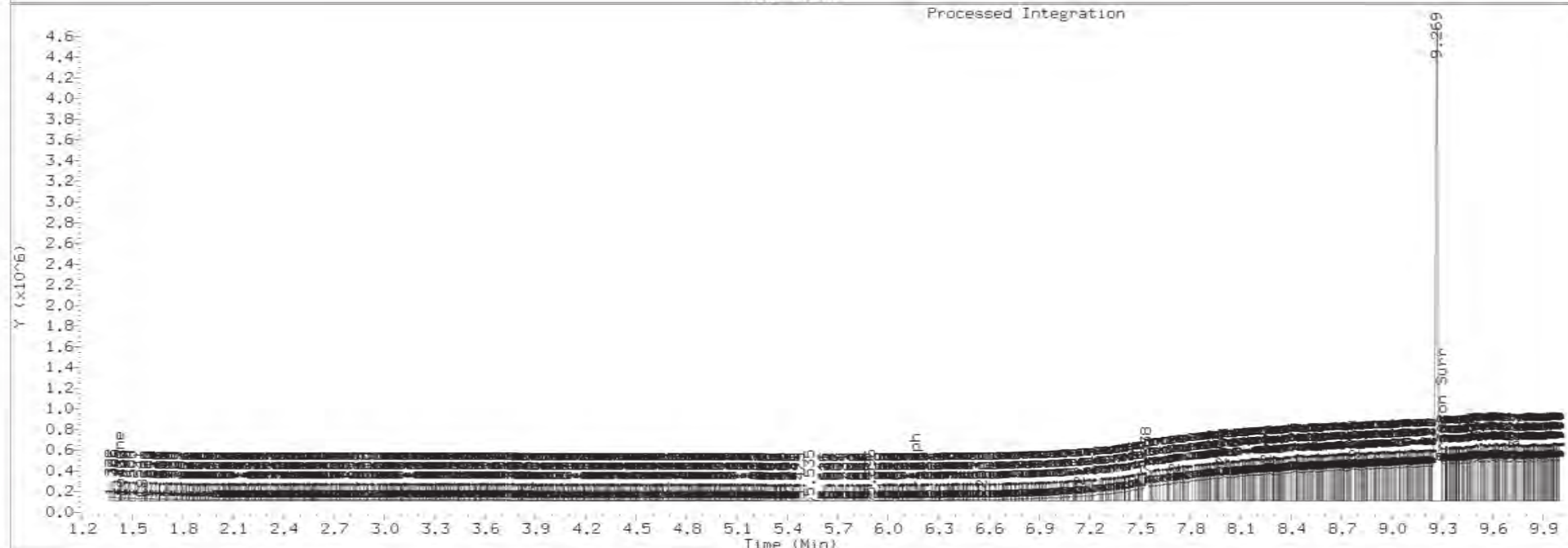
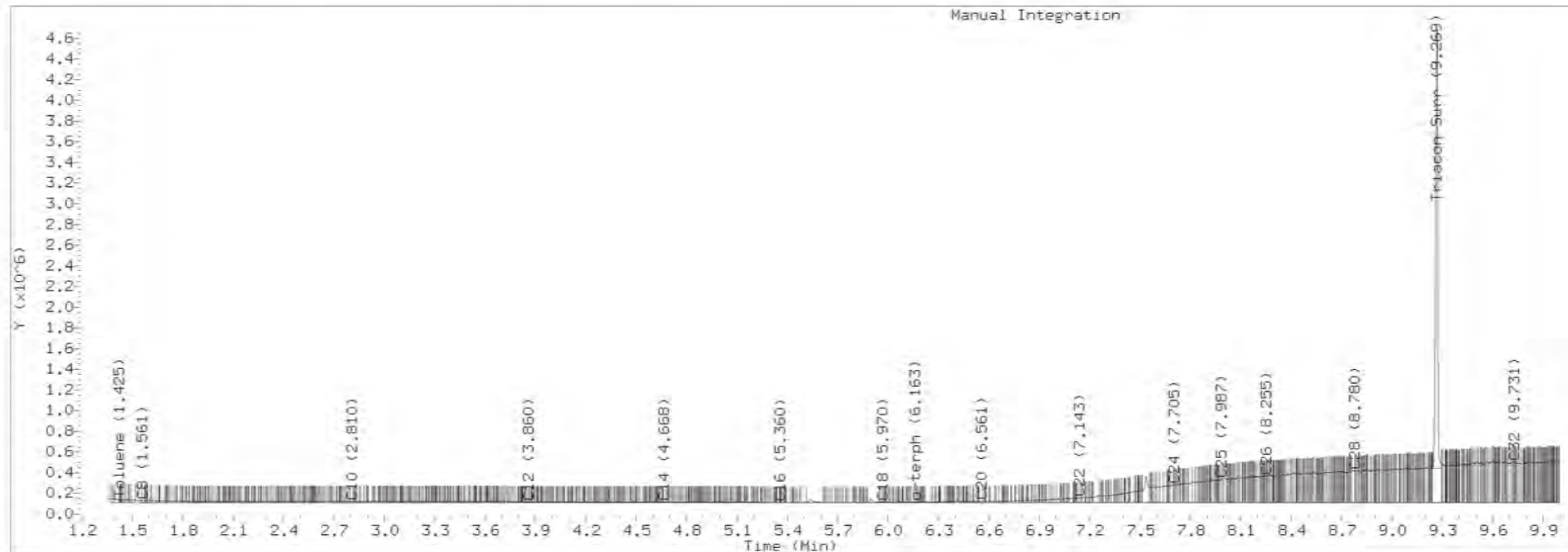
Analyte	RF	Curve Date
o-Terph Surr	192003.9	
Triacon Surr	174221.0	
Gas	15000.0	XX-XXX-XXXX
Diesel	145750.5	06-DEC-2022
Motor Oil	132579.1	06-DEC-2022
AK102	172235.6	06-DEC-2022
AK103	98909.5	06-DEC-2022
OR Diesel	173767.2	06-DEC-2022
NAS Diesel	171749.5	06-DEC-2022



TPH Manual Integrations Report

Datafile: FID4A, 20220106.b/422A0628.D Injection: 06-JAN-2022 19:43

Lab ID:SKA0028-CAL9

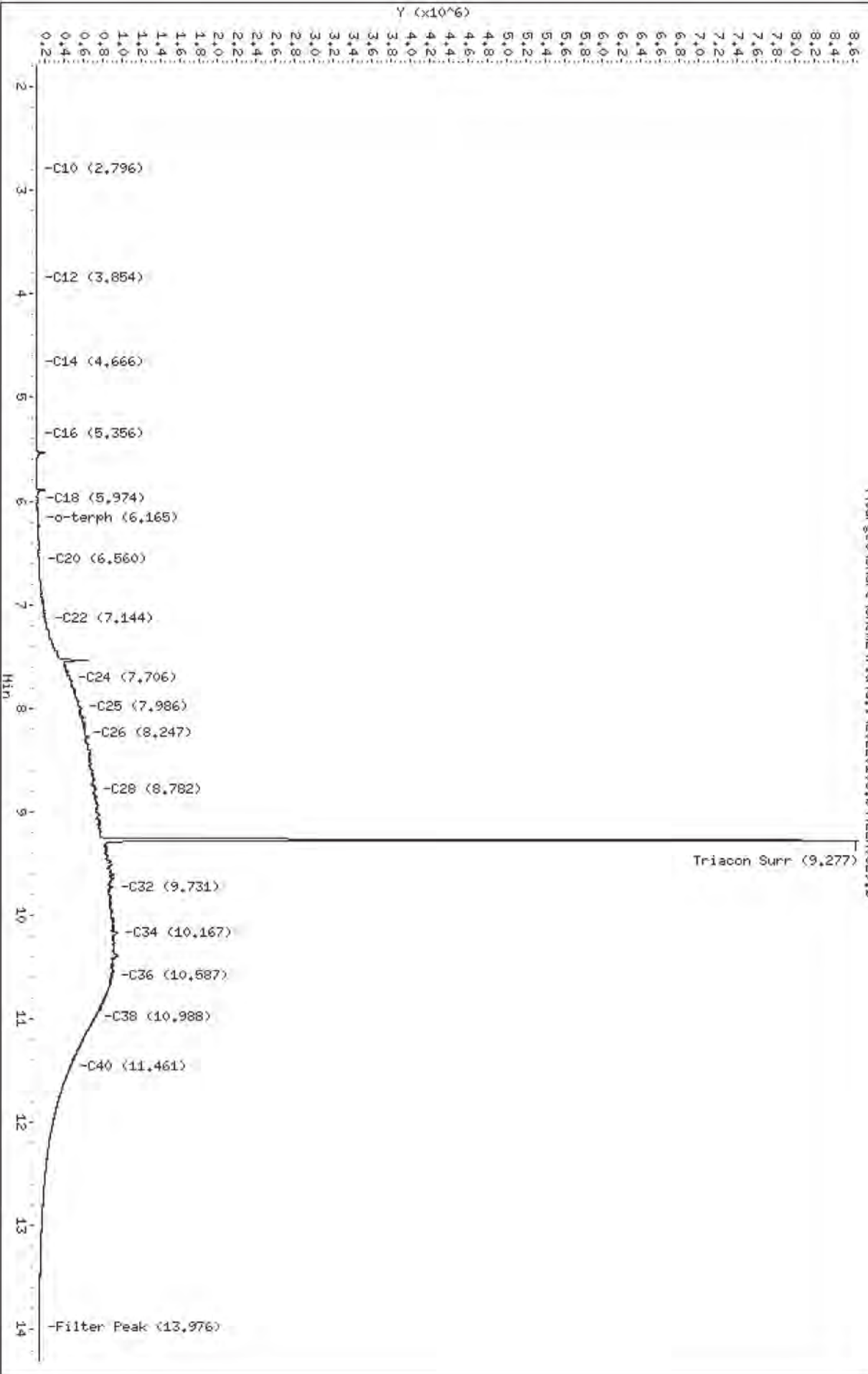


Data File: \\target\share\chem2\fid4s.1\20220106.b\42240629.D
Date: 06-JAN-2022 20:02
Client ID:
Sample Info: SKA0028-DQLA

Column phase: RTX-1

Instrument: fid4s.1
Operator: TMC
Column diameter: 0.25

\\target\share\chem2\fid4s.1\20220106.b\42240629.D



Analytical Resources Inc.
TPH Quantitation Report

Data file: 20220106.b/422A0629.D
Method: 20220106.b\FID4TPH.m
Instrument: fid4a.i, TWC
Report Date: 01/07/2022
Macro: 09-SEP-2019
Calibration Dates: Gas:XX-XXX-XXXX Diesel:06-DEC-2022 M.Oil:06-DEC-2022

ARI ID: SKA0028-CALA
Client ID:
Injection: 06-JAN-2022 20:02
Dilution Factor: 1
RT Std: 422A0603.D

FID:4A RESULTS

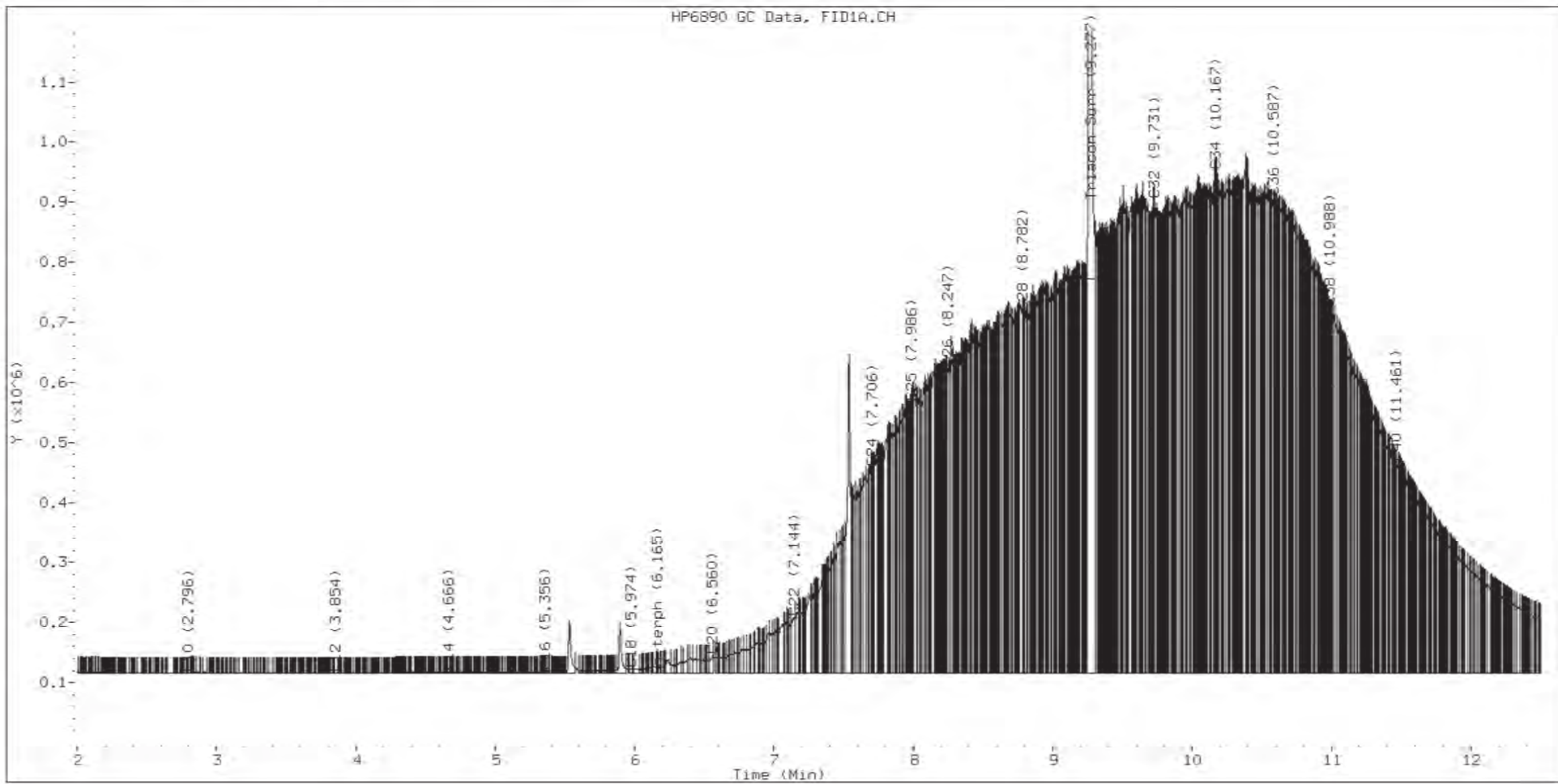
Compound	RT	Shift	Height	Area	Method	Range	Total Area	Conc (mg/L)
C8	1.566	0.000	11101	8632	WATPHD	(C12-C24)	10727647	73.6
C10	2.796	-0.005	576	147	WATPHM	(C24-C38)	129320360	975.4
C12	3.854	-0.005	1107	956	AK102	(C10-C25)	14842212	86.2
C14	4.666	-0.002	2470	1298	AK103	(C25-C36)	108544248	1097.4
C16	5.356	-0.001	3529	1197	OR.DIES	(C10-C28)	43178118	248.5
C18	5.974	0.002	7530	7872				
C20	6.560	0.000	29424	44604				
C22	7.144	0.003	93274	142646				
C24	7.706	-0.003	342850	102299				
C25	7.986	0.000	451931	245156				
C26	8.247	-0.010	508762	377501				
C28	8.782	0.007	601806	120120				
C32	9.731	0.001	789145	579688				
C34	10.167	0.000	836380	250168				
Filter Peak	13.976	0.003	27826	13801				
C36	10.587	0.006	793648	511126				
C38	10.988	-0.001	611295	302860				
C40	11.461	0.002	351554	139850				
o-terph	6.165	-0.002	9745	4761				
Triacon Surr	9.277	-0.012	7887730	7740915	NAS DIES	(C10-C24)	10771308	62.7

Range Times: NW Diesel(3.859 - 7.709) AK102(2.80 - 7.99) Jet A(2.80 - 5.97)
NW M.Oil(7.71 - 10.99) AK103(7.99 - 10.58) OR Diesel(2.80 - 8.78)

Surrogate	Area	Amount
o-Terphenyl	4761	0.0
Triacontane	7740915	44.4 M

M Indicates the peak was manually integrated

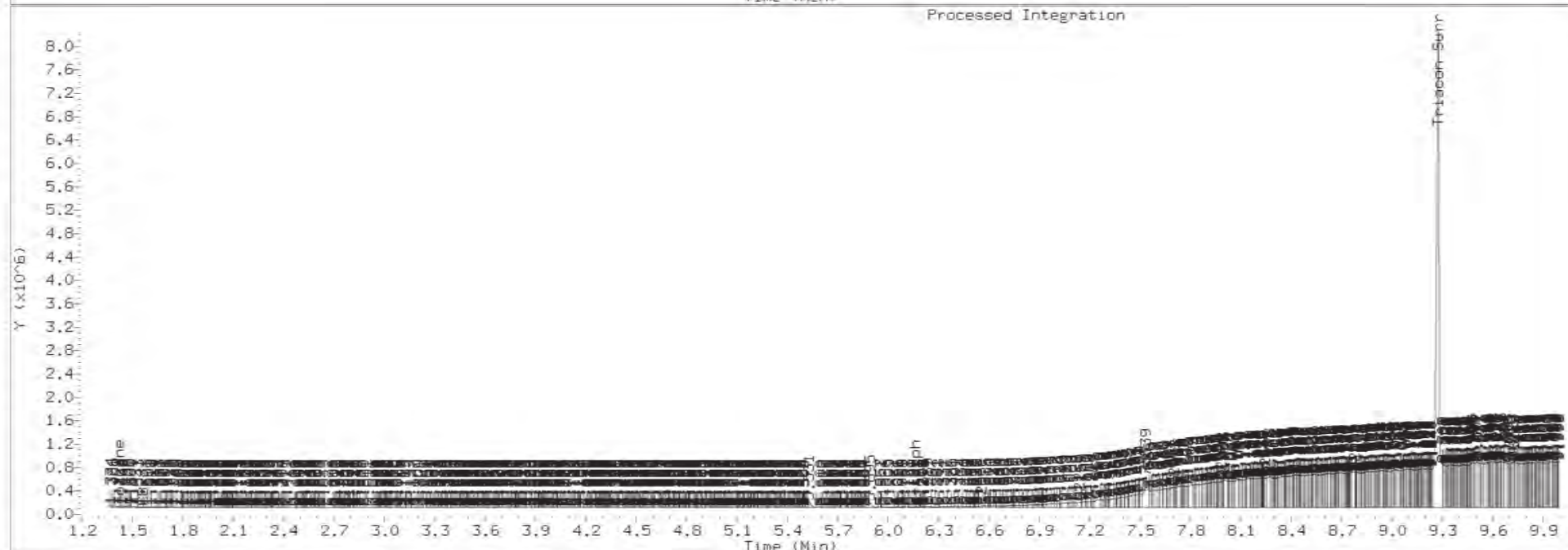
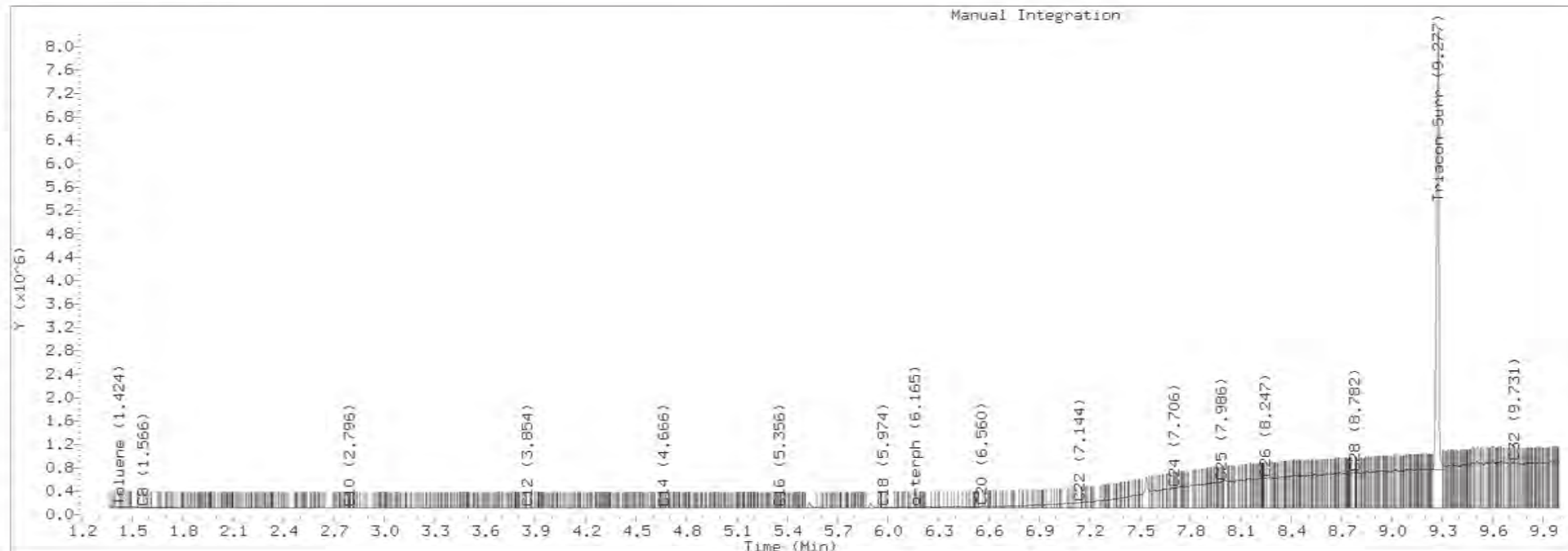
Analyte	RF	Curve Date
o-Terph Surr	192003.9	
Triacon Surr	174221.0	
Gas	15000.0	XX-XXX-XXXX
Diesel	145750.5	06-DEC-2022
Motor Oil	132579.1	06-DEC-2022
AK102	172235.6	06-DEC-2022
AK103	98909.5	06-DEC-2022
OR Diesel	173767.2	06-DEC-2022
NAS Diesel	171749.5	06-DEC-2022



TPH Manual Integrations Report

Datafile: FID4A, 20220106.b/422A0629.D Injection: 06-JAN-2022 20:02

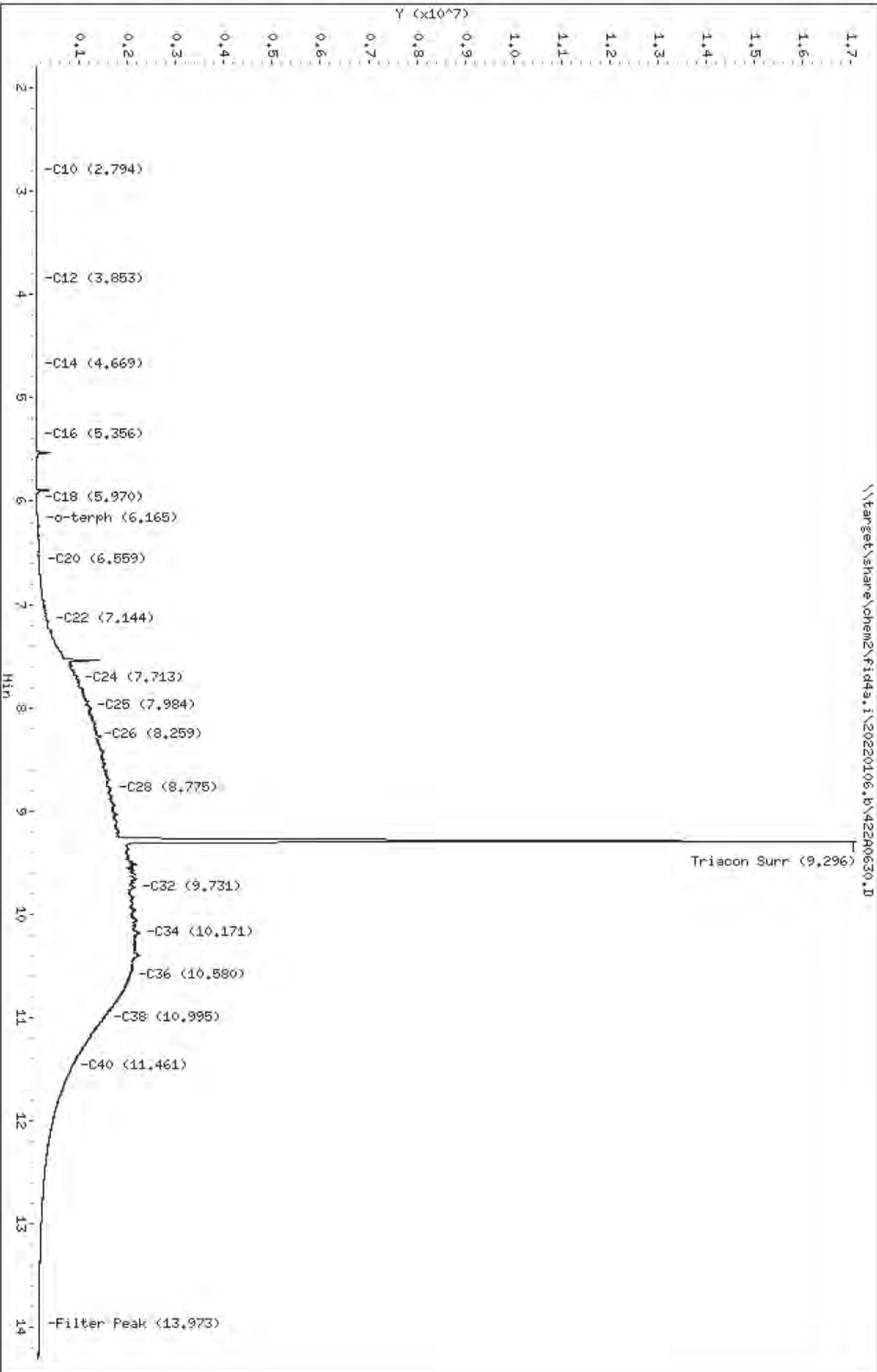
Lab ID:SKA0028-CALA



Data File: \\target\share\chem2\fid4s.1\20220106.b\42240630.D
Date: 06-JUN-2022 20:22
Client ID:
Sample Info: SKA0028-CALB

Column phase: RTX-1

Instrument: fid4s.1
Operator: TMC
Column diameter: 0.25



Analytical Resources Inc.
TPH Quantitation Report

Data file: 20220106.b/422A0630.D
Method: 20220106.b\FID4TPH.m
Instrument: fid4a.i, TWC
Report Date: 01/07/2022
Macro: 09-SEP-2019
Calibration Dates: Gas:XX-XXX-XXXX Diesel:06-DEC-2022 M.Oil:06-DEC-2022

ARI ID: SKA0028-CALB
Client ID:
Injection: 06-JAN-2022 20:22
Dilution Factor: 1
RT Std: 422A0603.D

FID:4A RESULTS

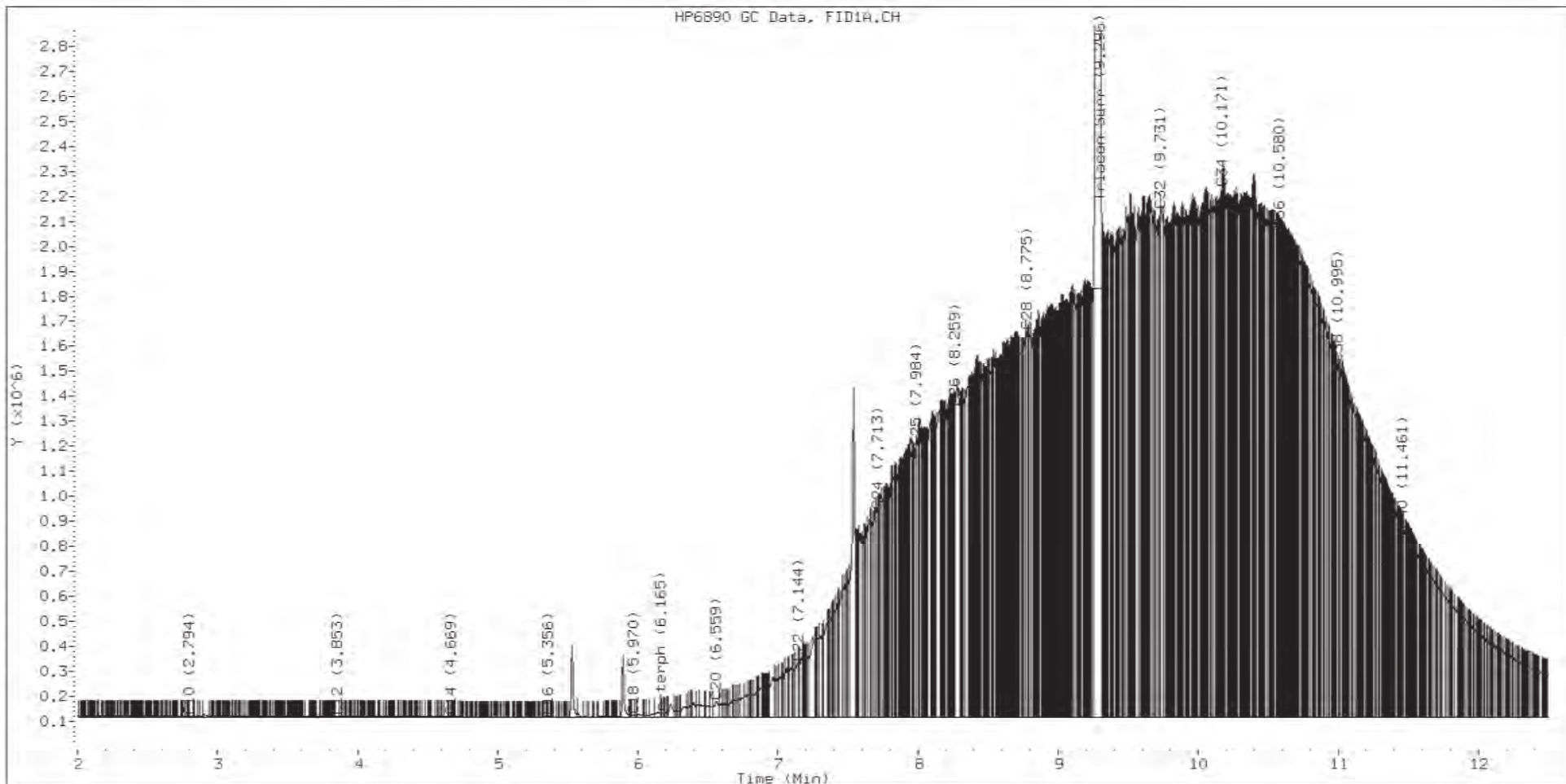
Compound	RT	Shift	Height	Area	Method	Range	Total Area	Conc (mg/L)
C8	1.577	0.011	17258	4301	WATPHD	(C12-C24)	25178731	172.8
C10	2.794	-0.008	5092	3608	WATPHM	(C24-C38)	324449124	2447.2
C12	3.853	-0.006	5678	7022	AK102	(C10-C25)	35400273	205.5
C14	4.669	0.001	3839	758	AK103	(C25-C36)	273940795	2769.6
C16	5.356	-0.000	3278	2699	OR.DIES	(C10-C28)	105094526	604.8
C18	5.970	-0.002	10714	10162				
C20	6.559	-0.000	64664	142222				
C22	7.144	0.002	219141	252458				
C24	7.713	0.004	827562	247062				
C25	7.984	-0.003	1080011	687511				
C26	8.259	0.002	1238176	370748				
C28	8.775	-0.000	1545429	993360				
C32	9.731	0.001	2028162	997421				
C34	10.171	0.004	2118052	1355483				
Filter Peak	13.973	-0.000	48608	21788				
C36	10.580	-0.001	1948503	972417				
C38	10.995	0.006	1414419	841893				
C40	11.461	0.001	751652	187506				
o-terph	6.165	-0.002	15801	3901				
Triacon Surr	9.296	0.006	15269043	19868141	NAS DIES	(C10-C24)	25505234	148.5

Range Times: NW Diesel(3.859 - 7.709) AK102(2.80 - 7.99) Jet A(2.80 - 5.97)
NW M.Oil(7.71 - 10.99) AK103(7.99 - 10.58) OR Diesel(2.80 - 8.78)

Surrogate	Area	Amount
o-Terphenyl	3901	0.0
Triacontane	19868141	114.0 M

M Indicates the peak was manually integrated

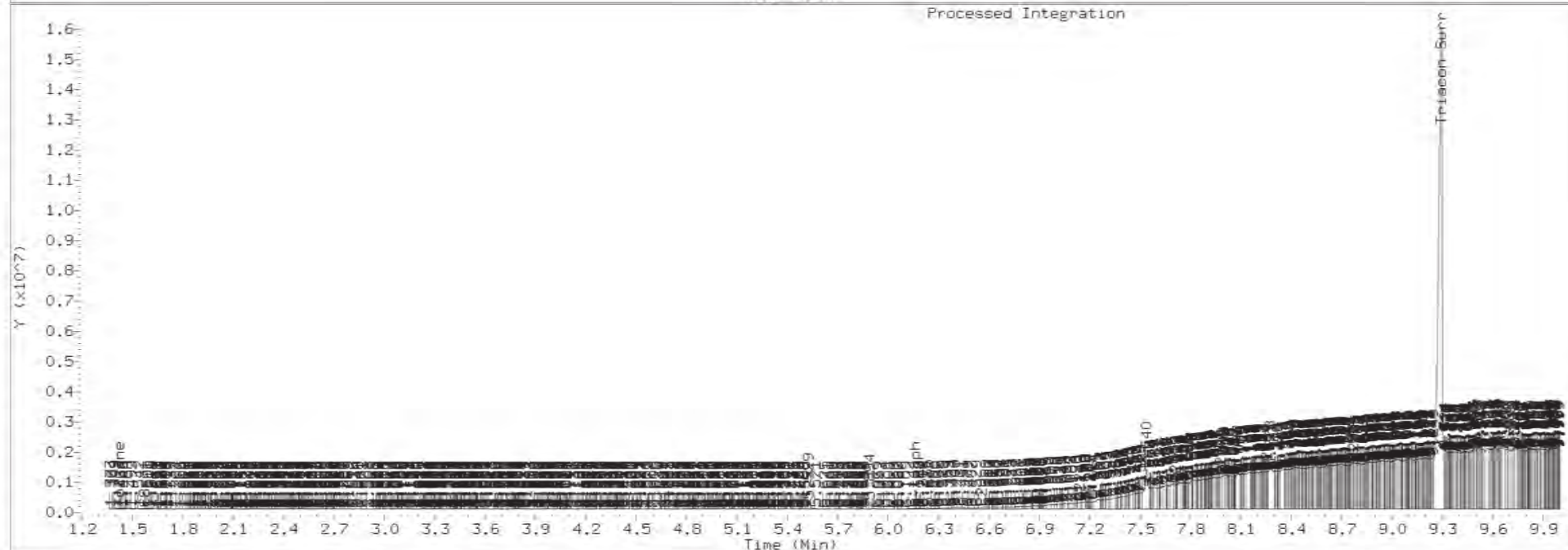
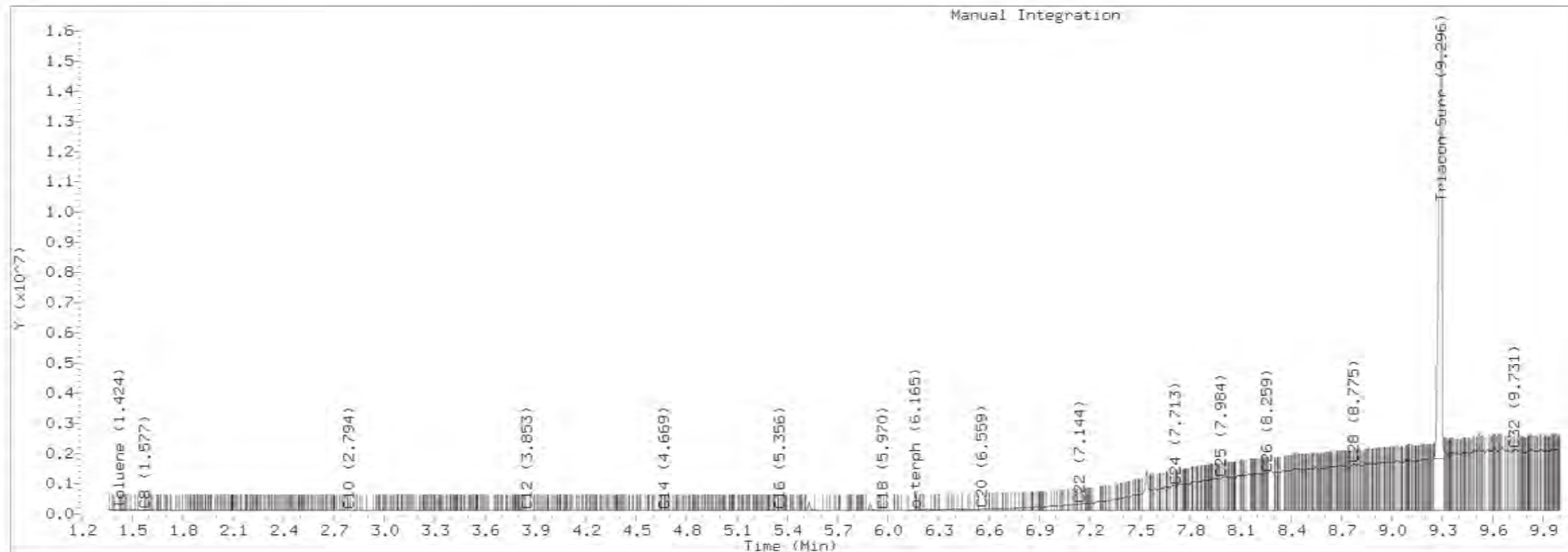
Analyte	RF	Curve Date
o-Terph Surr	192003.9	
Triacon Surr	174221.0	
Gas	15000.0	XX-XXX-XXXX
Diesel	145750.5	06-DEC-2022
Motor Oil	132579.1	06-DEC-2022
AK102	172235.6	06-DEC-2022
AK103	98909.5	06-DEC-2022
OR Diesel	173767.2	06-DEC-2022
NAS Diesel	171749.5	06-DEC-2022



TPH Manual Integrations Report

Datafile: FID4A, 20220106.b/422A0630.D Injection: 06-JAN-2022 20:22

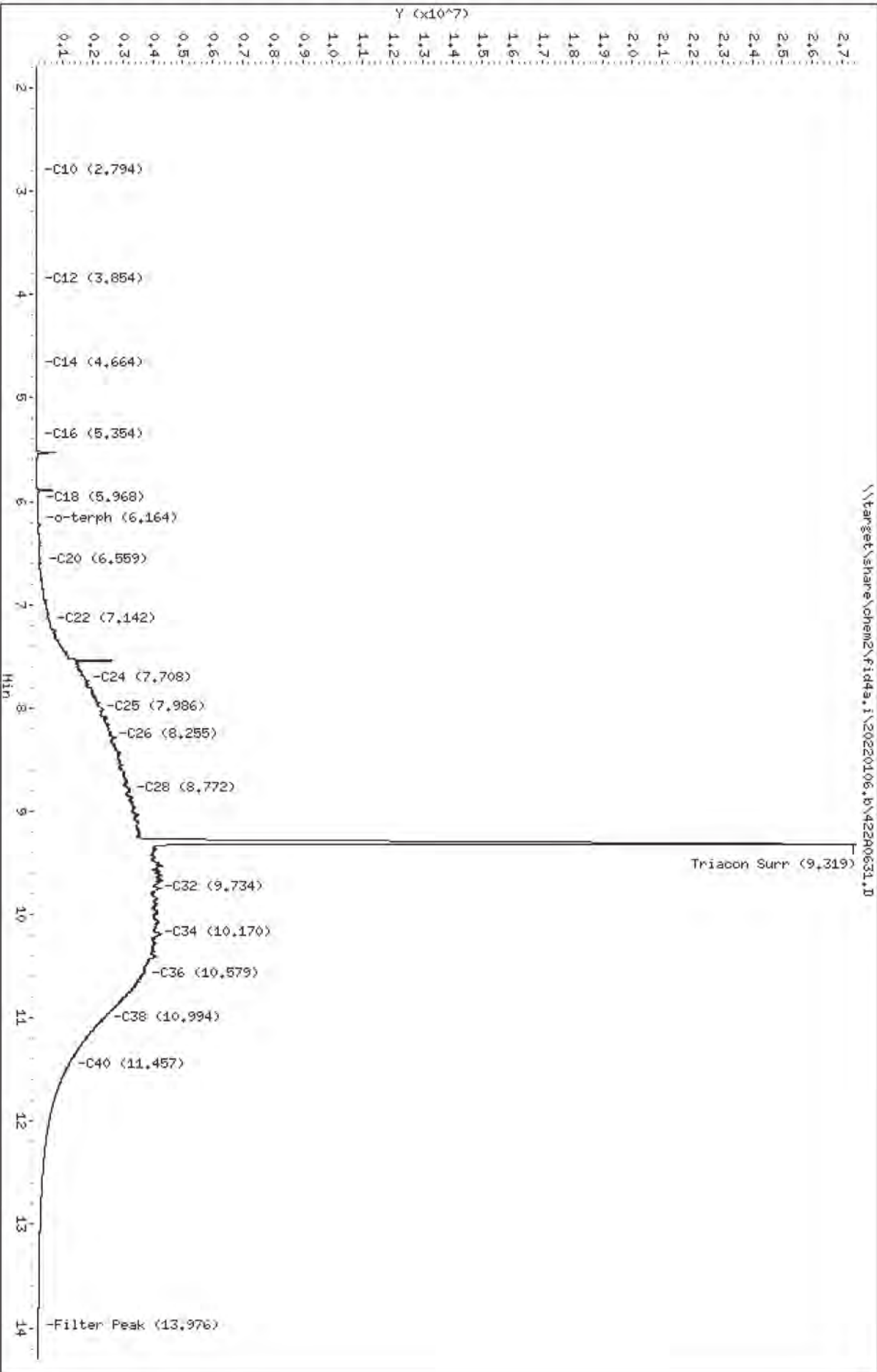
Lab ID:SKA0028-CALB



Data File: \\target\share\chem2\fid4s,1\20220106,bv42240631.D
Date: 06-JAN-2022 20:42
Client ID:
Sample Info: SKA0028-DALC

Column phase: RTX-1

Instrument: fid4s,1
Operator: TMC
Column diameter: 0.25



Analytical Resources Inc.
TPH Quantitation Report

Data file: 20220106.b/422A0631.D
Method: 20220106.b\FID4TPH.m
Instrument: fid4a.i, TWC
Report Date: 01/07/2022
Macro: 09-SEP-2019
Calibration Dates: Gas:XX-XXX-XXXX Diesel:06-DEC-2022 M.Oil:06-DEC-2022

ARI ID: SKA0028-CALC
Client ID:
Injection: 06-JAN-2022 20:42
Dilution Factor: 1
RT Std: 422A0603.D

FID:4A RESULTS

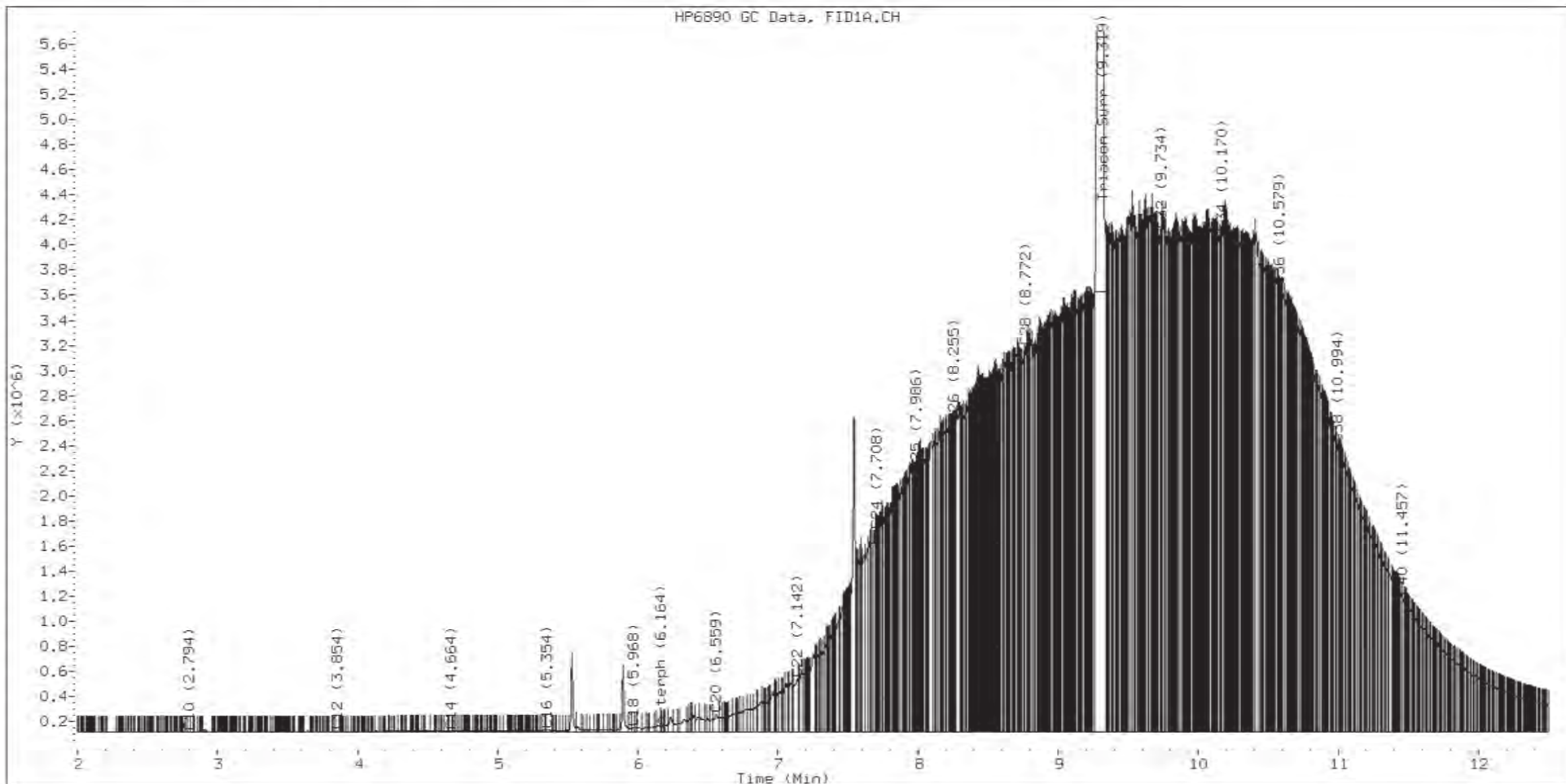
Compound	RT	Shift	Height	Area	Method	Range	Total Area	Conc (mg/L)
C8	1.567	0.001	12437	6794	WATPHD	(C12-C24)	50023505	343.2
C10	2.794	-0.007	1603	1382	WATPHM	(C24-C38)	629138264	4745.4
C12	3.854	-0.004	5247	5695	AK102	(C10-C25)	69619933	404.2
C14	4.664	-0.004	10564	11502	AK103	(C25-C36)	540174647	5461.3
C16	5.354	-0.002	16087	34954	OR.DIES	(C10-C28)	208310669	1198.8
C18	5.968	-0.004	32949	39919				
C20	6.559	-0.000	138972	310447				
C22	7.142	0.001	427301	781717				
C24	7.708	-0.001	1605305	638932				
C25	7.986	-0.000	2072035	718075				
C26	8.255	-0.002	2467694	982346				
C28	8.772	-0.004	3074685	1975887				
C32	9.734	0.005	3999709	2176432				
C34	10.170	0.003	3982476	2371685				
Filter Peak	13.976	0.003	62326	40134				
C36	10.579	-0.003	3557173	2116083				
C38	10.994	0.006	2297213	1137312				
C40	11.457	-0.003	1081035	1006449				
o-terph	6.164	-0.003	41429	10336				
Triacon Surr	9.319	0.029	23838567	40429932	NAS DIES	(C10-C24)	50155994	292.0

Range Times: NW Diesel(3.859 - 7.709) AK102(2.80 - 7.99) Jet A(2.80 - 5.97)
NW M.Oil(7.71 - 10.99) AK103(7.99 - 10.58) OR Diesel(2.80 - 8.78)

Surrogate	Area	Amount
o-Terphenyl	10336	0.1
Triacontane	40429932	232.1 M

M Indicates the peak was manually integrated

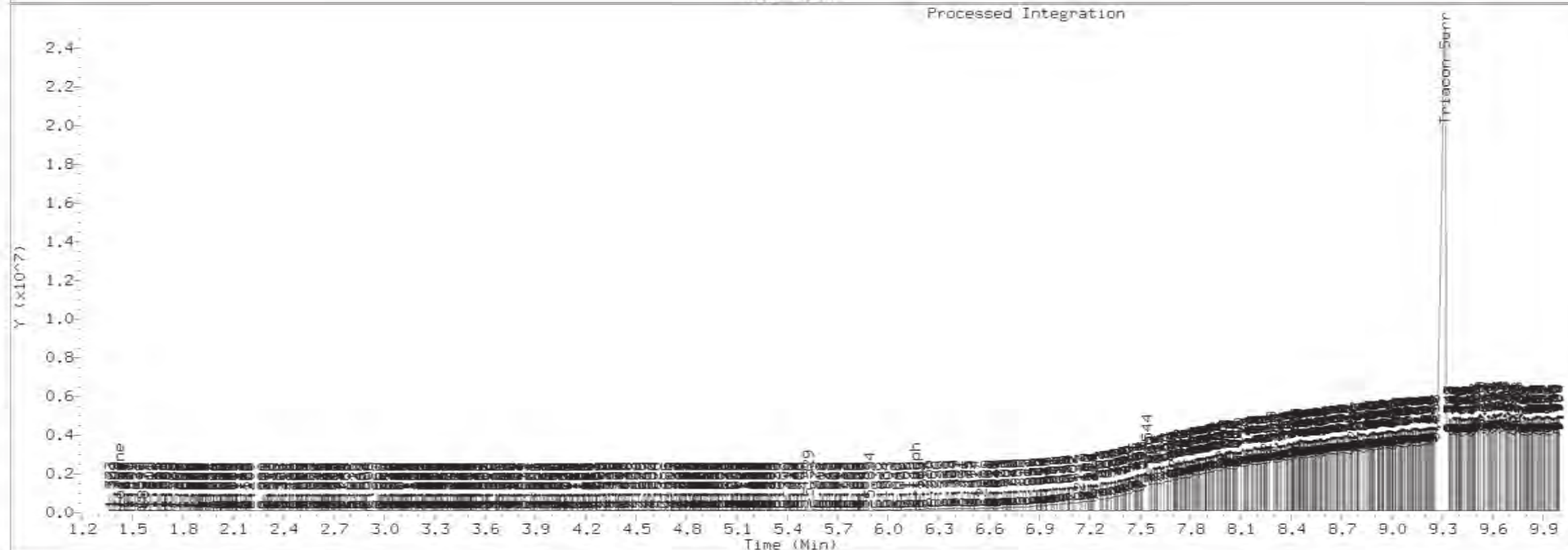
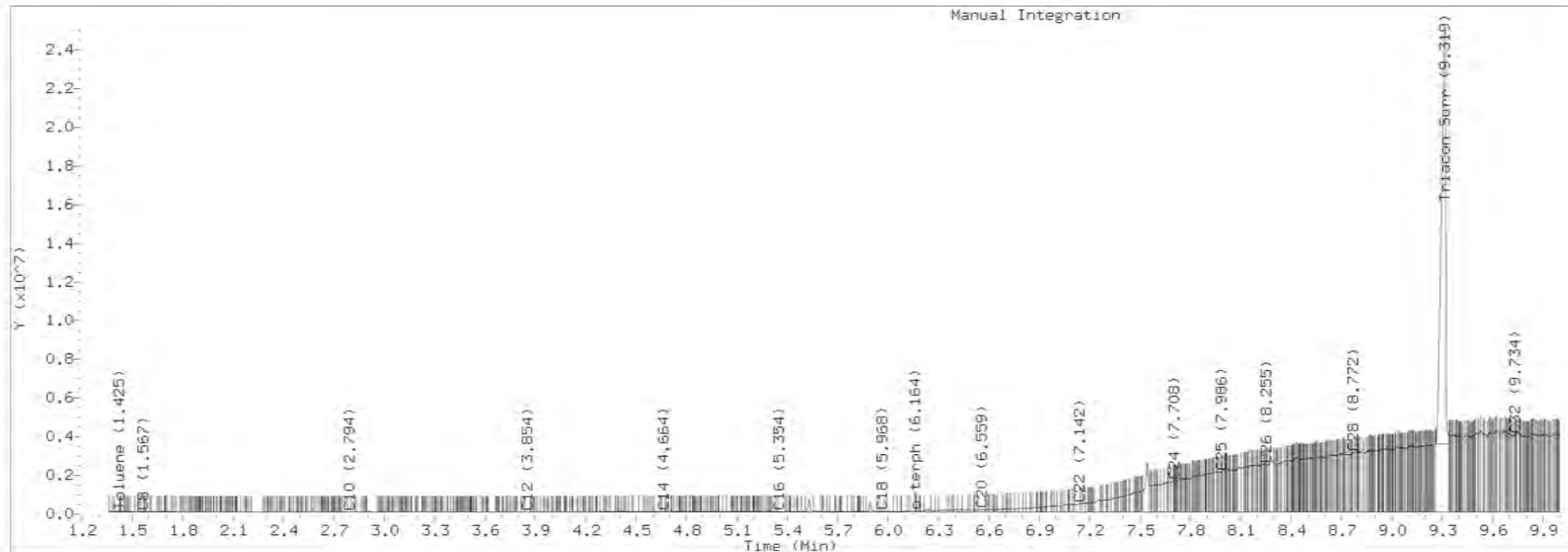
Analyte	RF	Curve Date
o-Terph Surr	192003.9	
Triacon Surr	174221.0	
Gas	15000.0	XX-XXX-XXXX
Diesel	145750.5	06-DEC-2022
Motor Oil	132579.1	06-DEC-2022
AK102	172235.6	06-DEC-2022
AK103	98909.5	06-DEC-2022
OR Diesel	173767.2	06-DEC-2022
NAS Diesel	171749.5	06-DEC-2022



TPH Manual Integrations Report

Datafile: FID4A, 20220106.b/422A0631.D Injection: 06-JAN-2022 20:42

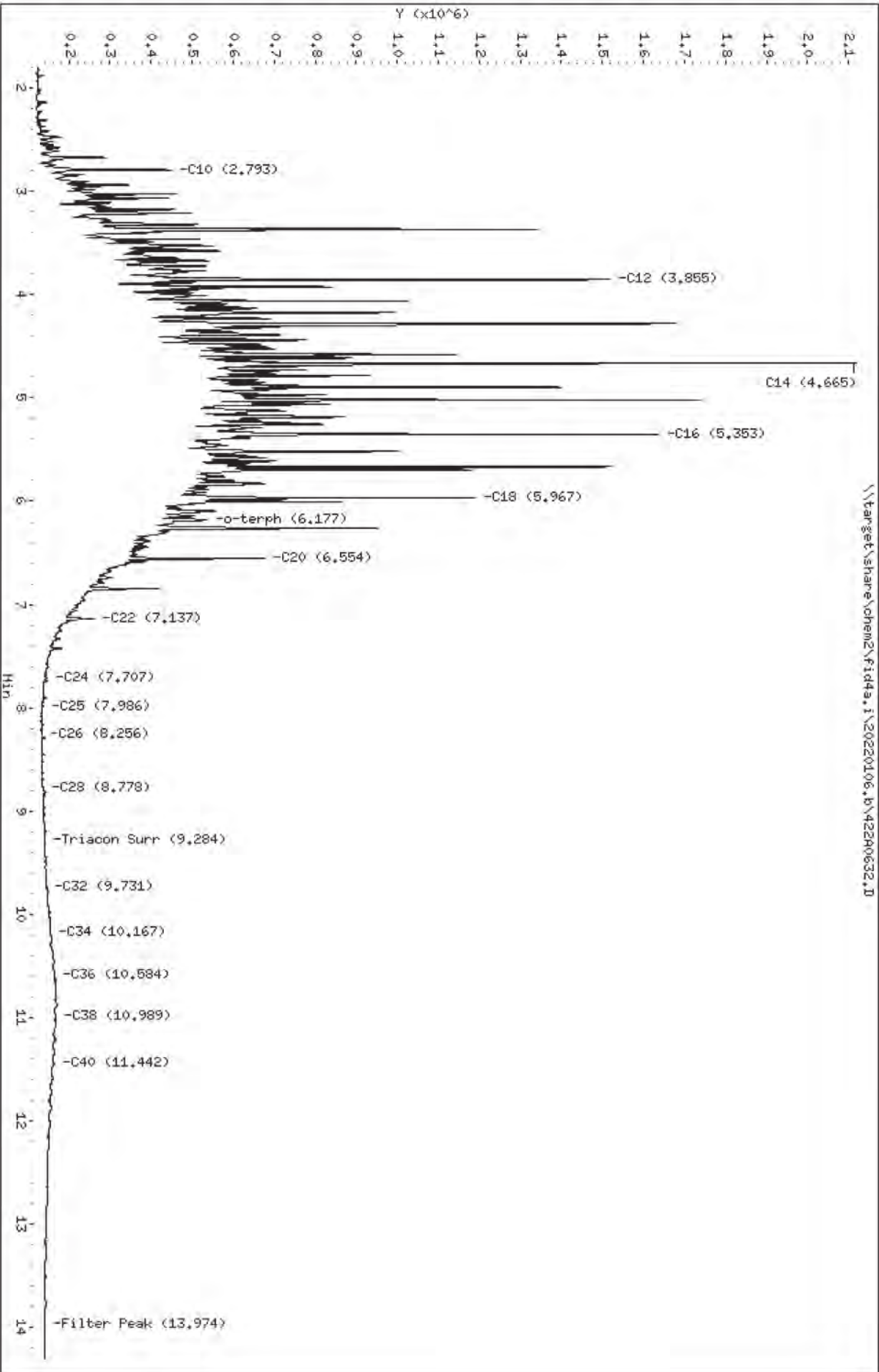
Lab ID:SKA0028-CALC



Data File: \\target\share\chem2\fid4s,1\20220106,b\42240632.D
Date: 06-JAN-2022 21:02
Client ID:
Sample Info: SKA0028-SCV1

Column phase: RTX-1

Instrument: fid4s,1
Operator: TMC
Column diameter: 0.25



Analytical Resources Inc.
TPH Quantitation Report

Data file: 20220106.b/422A0632.D
Method: 20220106.b\FID4TPH.m
Instrument: fid4a.i, TWC
Report Date: 01/07/2022
Macro: 09-SEP-2019
Calibration Dates: Gas:XX-XXX-XXXX Diesel:06-DEC-2022 M.Oil:06-DEC-2022

ARI ID: SKA0028-SCV1
Client ID:
Injection: 06-JAN-2022 21:02
Dilution Factor: 1
RT Std: 422A0603.D

FID:4A RESULTS

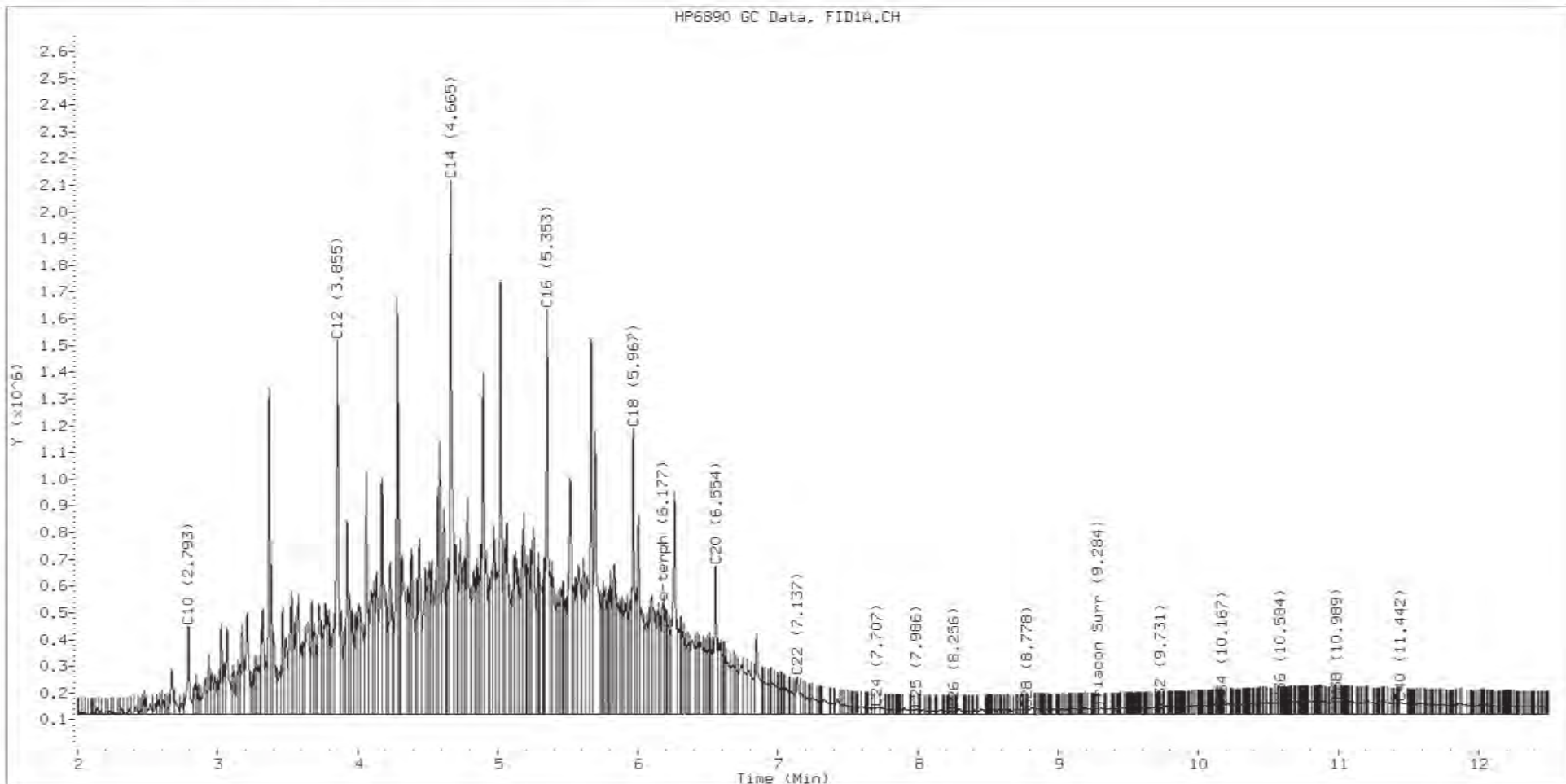
Compound	RT	Shift	Height	Area	Method	Range	Total Area	Conc (mg/L)
C8	1.554	-0.012	13447	19907	WATPHD	(C12-C24)	81818326	561.4
C10	2.793	-0.008	328700	402623	WATPHM	(C24-C38)	4903930	37.0
C12	3.855	-0.003	1398359	1541786	AK102	(C10-C25)	98237239	570.4
C14	4.665	-0.003	1998212	2275704	AK103	(C25-C36)	3617447	36.6
C16	5.353	-0.003	1514409	1842028	OR.DIES	(C10-C28)	98957633	569.5
C18	5.967	-0.005	1069816	1029152				
C20	6.554	-0.005	555197	666071				
C22	7.137	-0.004	141564	207118				
C24	7.707	-0.002	25196	52303				
C25	7.986	-0.000	18136	25237				
C26	8.256	-0.001	12963	11391				
C28	8.778	0.002	15805	6221				
C32	9.731	0.002	24227	8392				
C34	10.167	-0.000	33488	11671				
Filter Peak	13.974	0.001	19683	11641				
C36	10.584	0.003	44128	15372				
C38	10.989	0.001	46492	34691				
C40	11.442	-0.018	43094	144180				
o-terph	6.177	0.010	416300	426651				
Triacon Surr	9.284	-0.006	19261	10418	NAS DIES	(C10-C24)	98063156	571.0

Range Times: NW Diesel(3.859 - 7.709) AK102(2.80 - 7.99) Jet A(2.80 - 5.97)
NW M.Oil(7.71 - 10.99) AK103(7.99 - 10.58) OR Diesel(2.80 - 8.78)

Surrogate	Area	Amount
o-Terphenyl	426651	2.2
Triacontane	10418	0.1

M Indicates the peak was manually integrated

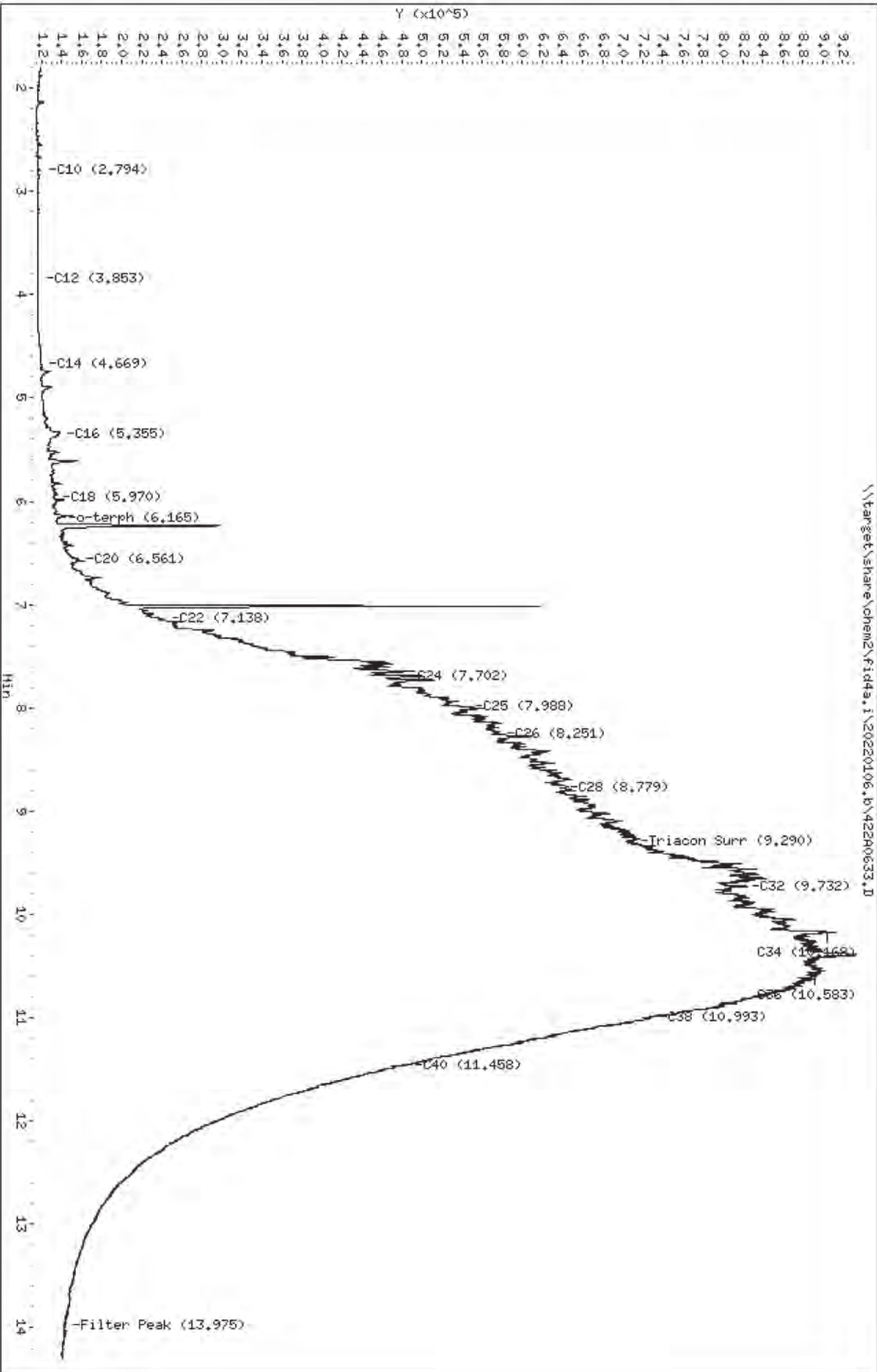
Analyte	RF	Curve Date
o-Terph Surr	192003.9	
Triacon Surr	174221.0	
Gas	15000.0	XX-XXX-XXXX
Diesel	145750.5	06-DEC-2022
Motor Oil	132579.1	06-DEC-2022
AK102	172235.6	06-DEC-2022
AK103	98909.5	06-DEC-2022
OR Diesel	173767.2	06-DEC-2022
NAS Diesel	171749.5	06-DEC-2022



Data File: \\target\share\chem2\fid4s.1\20220106.b\42240633.D
Date: 06-JAN-2022 21:21
Client ID:
Sample Info: SKA0028-SCV2

Column phase: RTX-1

Instrument: fid4s.1
Operator: TMC
Column diameter: 0.25



Analytical Resources Inc.
TPH Quantitation Report

Data file: 20220106.b/422A0633.D
Method: 20220106.b\FID4TPH.m
Instrument: fid4a.i, TWC
Report Date: 01/07/2022
Macro: 09-SEP-2019
Calibration Dates: Gas:XX-XXX-XXXX Diesel:06-DEC-2022 M.Oil:06-DEC-2022

ARI ID: SKA0028-SCV2
Client ID:
Injection: 06-JAN-2022 21:21
Dilution Factor: 1
RT Std: 422A0603.D

FID:4A RESULTS

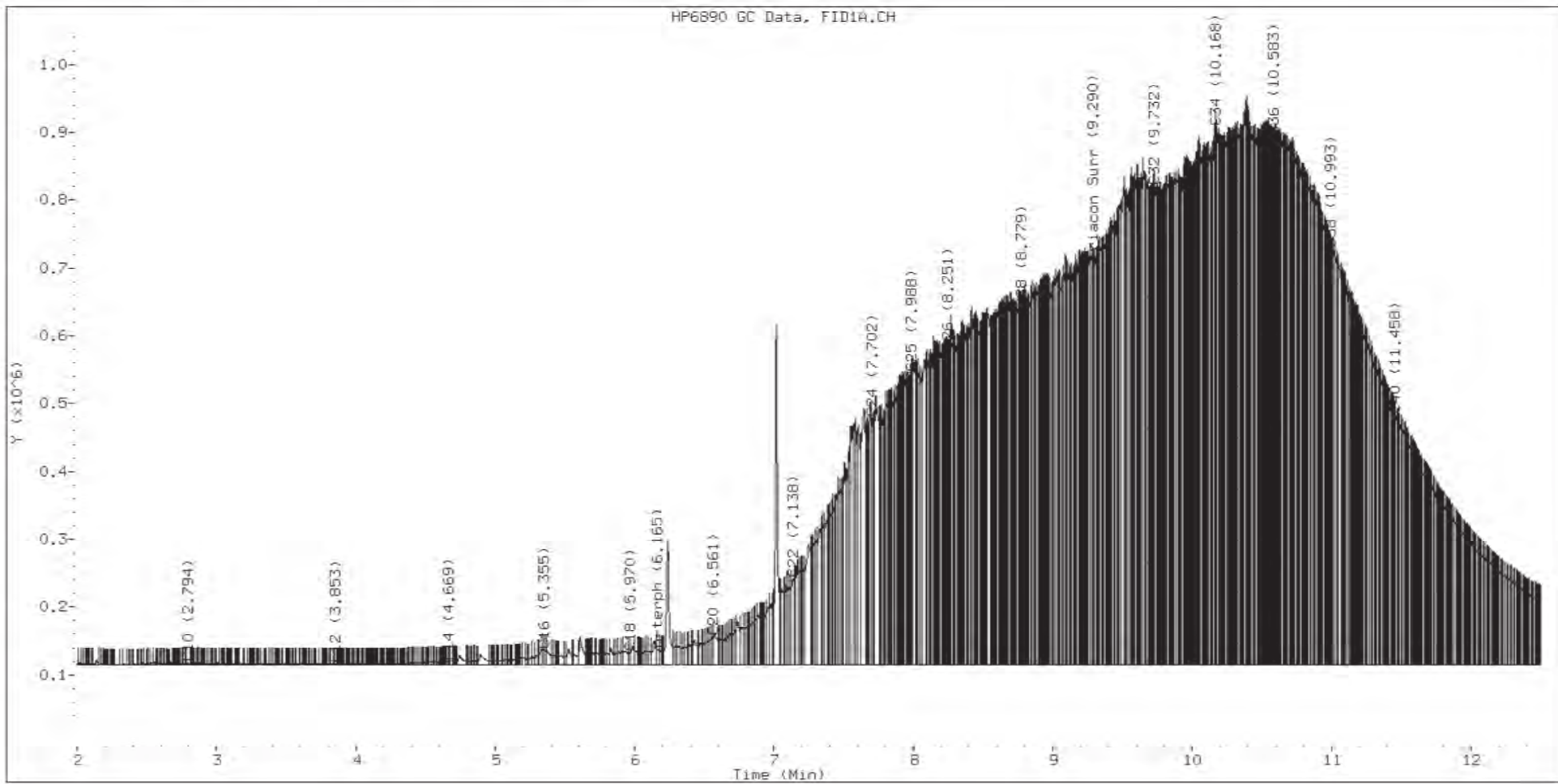
Compound	RT	Shift	Height	Area	Method	Range	Total Area	Conc (mg/L)
C8	1.571	0.005	9397	3234	WATPHD	(C12-C24)	14056895	96.4
C10	2.794	-0.008	3468	3249	WATPHM	(C24-C38)	119954259	904.8
C12	3.853	-0.006	1998	1502	AK102	(C10-C25)	18142709	105.3
C14	4.669	0.001	4718	2557	AK103	(C25-C36)	98929750	1000.2
C16	5.355	-0.002	21381	13437	OR.DIES	(C10-C28)	43590146	250.9
C18	5.970	-0.003	18024	5393				
C20	6.561	0.002	41385	47221				
C22	7.138	-0.003	126282	164868				
C24	7.702	-0.007	364294	249450				
C25	7.988	0.002	429789	170231				
C26	8.251	-0.006	461561	275289				
C28	8.779	0.003	524231	157049				
C32	9.732	0.002	706043	454955				
C34	10.168	0.001	792309	274623				
Filter Peak	13.975	0.002	27946	6956				
C36	10.583	0.002	779610	310190				
C38	10.993	0.004	614371	153291				
C40	11.458	-0.002	369218	346346				
o-terph	6.165	-0.002	22790	28222				
Triacon Surr	9.290	-0.000	594134	295766	NAS DIES	(C10-C24)	14144817	82.4

Range Times: NW Diesel(3.859 - 7.709) AK102(2.80 - 7.99) Jet A(2.80 - 5.97)
NW M.Oil(7.71 - 10.99) AK103(7.99 - 10.58) OR Diesel(2.80 - 8.78)

Surrogate	Area	Amount
o-Terphenyl	28222	0.1
Triacontane	295766	1.7

M Indicates the peak was manually integrated

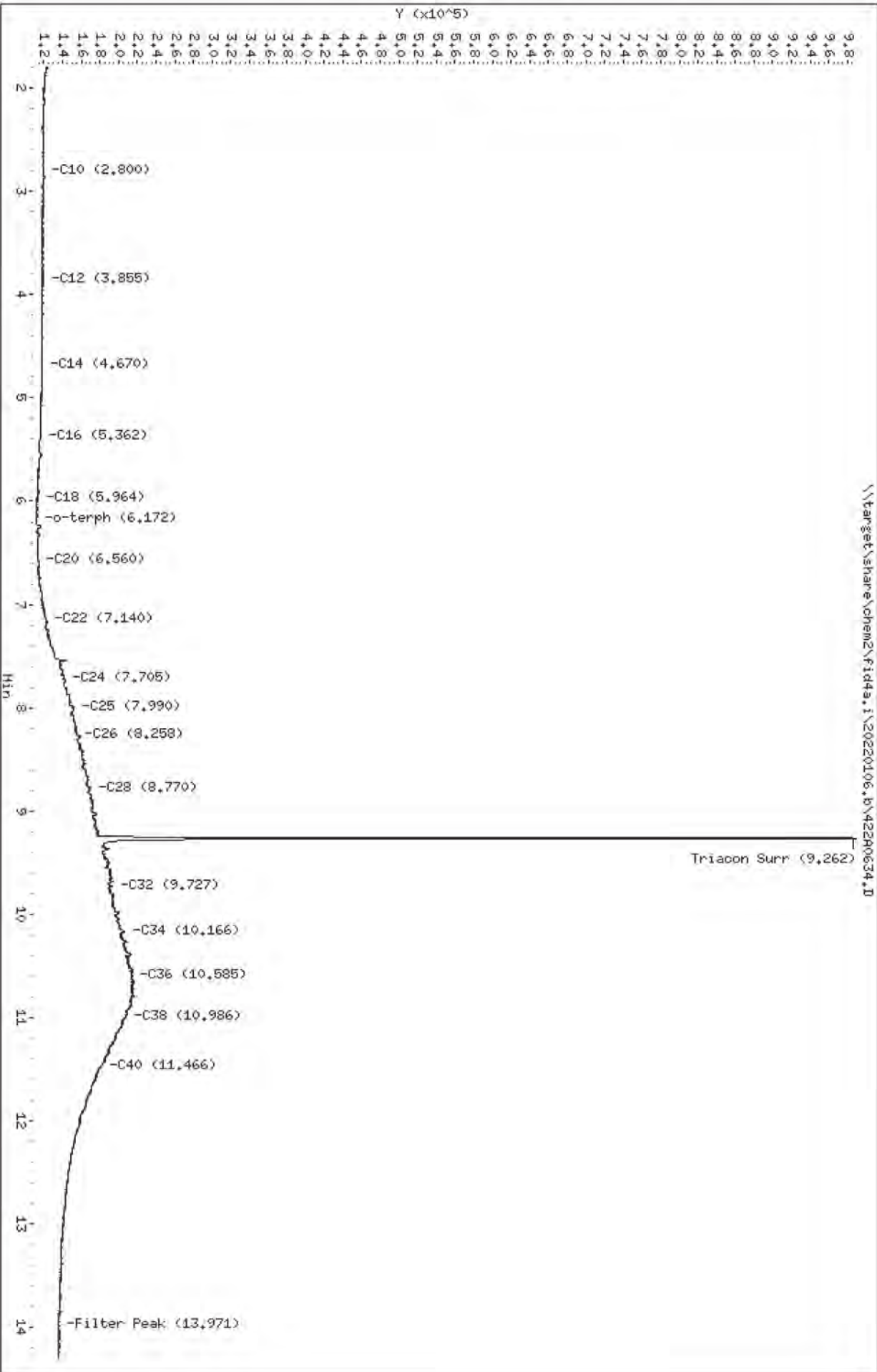
Analyte	RF	Curve Date
o-Terph Surr	192003.9	
Triacon Surr	174221.0	
Gas	15000.0	XX-XXX-XXXX
Diesel	145750.5	06-DEC-2022
Motor Oil	132579.1	06-DEC-2022
AK102	172235.6	06-DEC-2022
AK103	98909.5	06-DEC-2022
OR Diesel	173767.2	06-DEC-2022
NAS Diesel	171749.5	06-DEC-2022



Data File: \\target\share\chem2\fid4s.1\20220106.b\42240634.D
Date: 06-JAN-2022 21:41
Client ID:
Sample Info: SKA0028-CALD

Column phase: RTX-1

Instrument: fid4s.1
Operator: TMC
Column diameter: 0.25



Analytical Resources Inc.
TPH Quantitation Report

Data file: 20220106.b/422A0634.D
Method: 20220106.b\FID4TPH.m
Instrument: fid4a.i, TWC
Report Date: 01/07/2022
Macro: 09-SEP-2019
Calibration Dates: Gas:XX-XXX-XXXX Diesel:06-DEC-2022 M.Oil:06-DEC-2022

ARI ID: SKA0028-CALD
Client ID:
Injection: 06-JAN-2022 21:41
Dilution Factor: 1
RT Std: 422A0603.D

FID:4A RESULTS

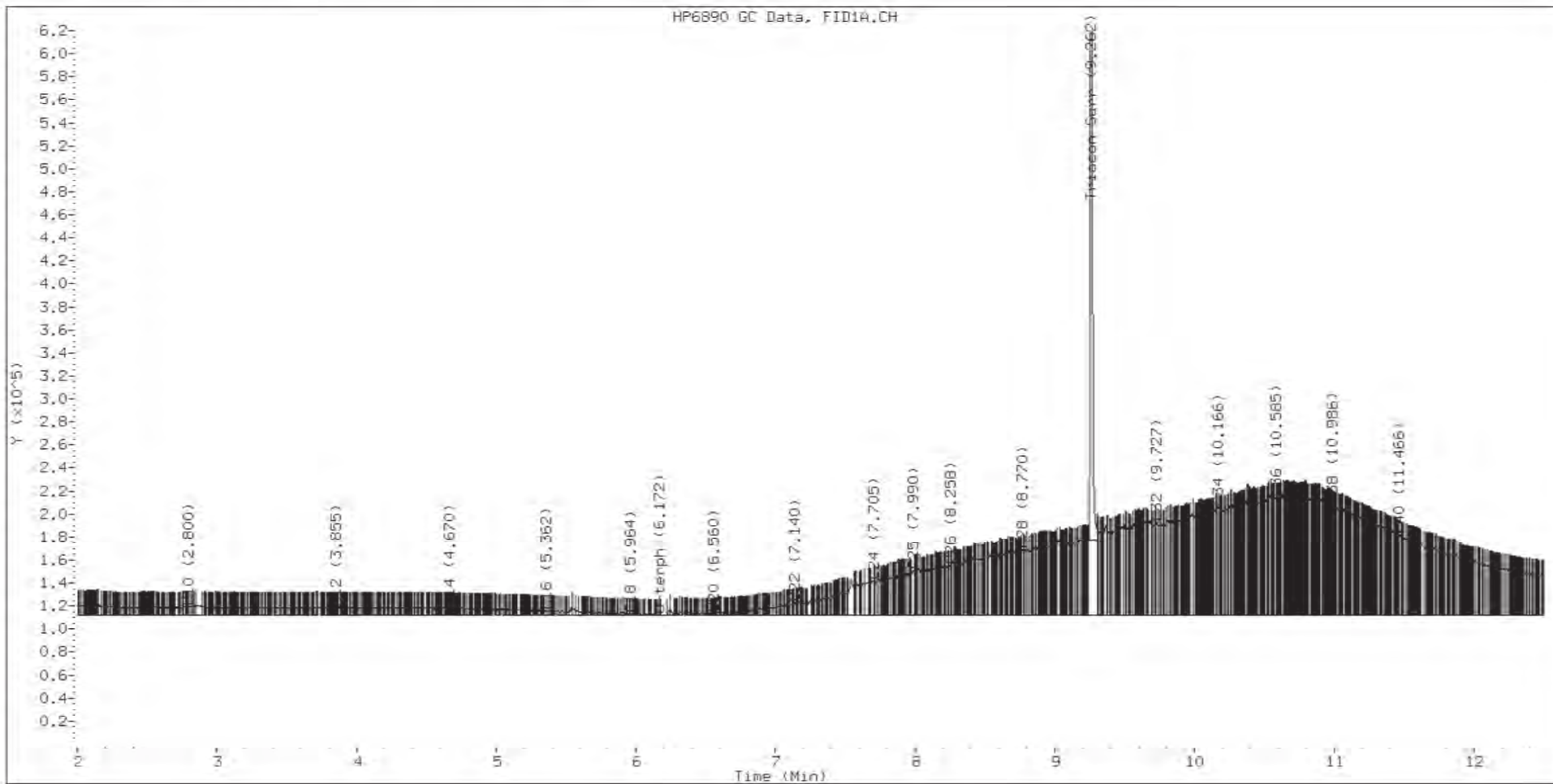
Compound	RT	Shift	Height	Area	Method	Range	Total Area	Conc (mg/L)
C8	1.567	0.001	17146	19314	WATPHD	(C12-C24)	1474779	10.1
C10	2.800	-0.002	6919	1375	WATPHM	(C24-C38)	13771790	103.9
C12	3.855	-0.003	6785	3685	AK102	(C10-C25)	2234932	13.0
C14	4.670	0.002	6048	2401	AK103	(C25-C36)	10945533	110.7
C16	5.362	0.006	3993	2753	OR.DIES	(C10-C28)	4695847	27.0
C18	5.964	-0.008	893	555				
C20	6.560	-0.000	1925	933				
C22	7.140	-0.001	10540	7151				
C24	7.705	-0.004	29831	19074				
C25	7.990	0.003	39026	43181				
C26	8.258	0.001	43157	10746				
C28	8.770	-0.005	57286	39691				
C32	9.727	-0.003	80921	56092				
C34	10.166	-0.001	93902	74517				
Filter Peak	13.971	-0.002	23966	5967				
C36	10.585	0.004	101870	25421				
C38	10.986	-0.003	96118	43017				
C40	11.466	0.007	69773	58785				
o-terph	6.172	0.005	280	151				
Triacon Surr	9.262	-0.028	812213	727031	NAS DIES	(C10-C24)	1904331	11.1

Range Times: NW Diesel(3.859 - 7.709) AK102(2.80 - 7.99) Jet A(2.80 - 5.97)
NW M.Oil(7.71 - 10.99) AK103(7.99 - 10.58) OR Diesel(2.80 - 8.78)

Surrogate	Area	Amount
o-Terphenyl	151	0.0
Triacontane	727031	4.2 M

M Indicates the peak was manually integrated

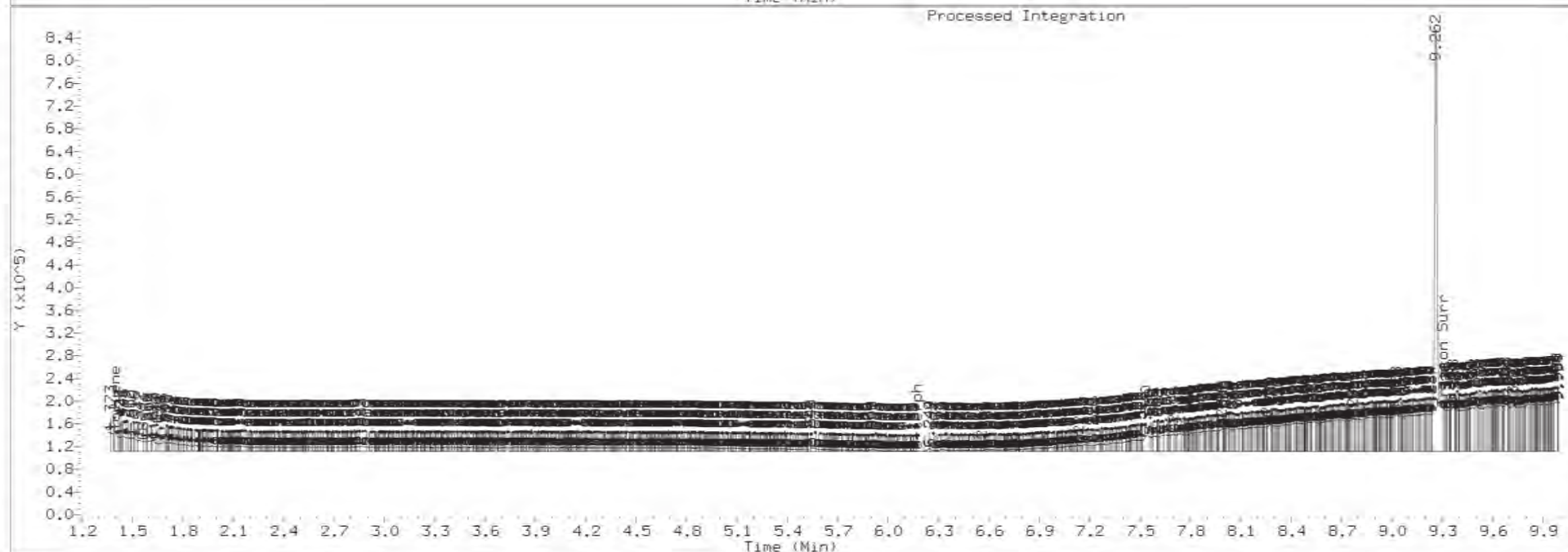
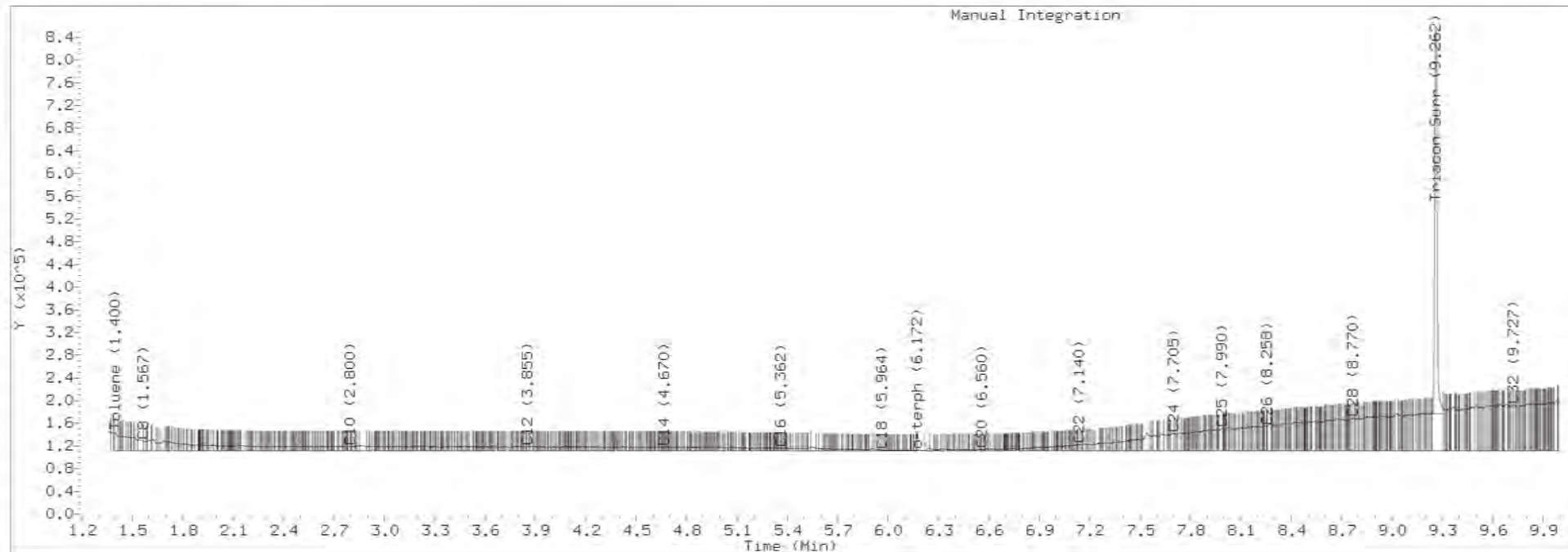
Analyte	RF	Curve Date
o-Terph Surr	192003.9	
Triacon Surr	174221.0	
Gas	15000.0	XX-XXX-XXXX
Diesel	145750.5	06-DEC-2022
Motor Oil	132579.1	06-DEC-2022
AK102	172235.6	06-DEC-2022
AK103	98909.5	06-DEC-2022
OR Diesel	173767.2	06-DEC-2022
NAS Diesel	171749.5	06-DEC-2022



TPH Manual Integrations Report

Datafile: FID4A, 20220106.b/422A0634.D Injection: 06-JAN-2022 21:41

Lab ID:SKA0028-CALD

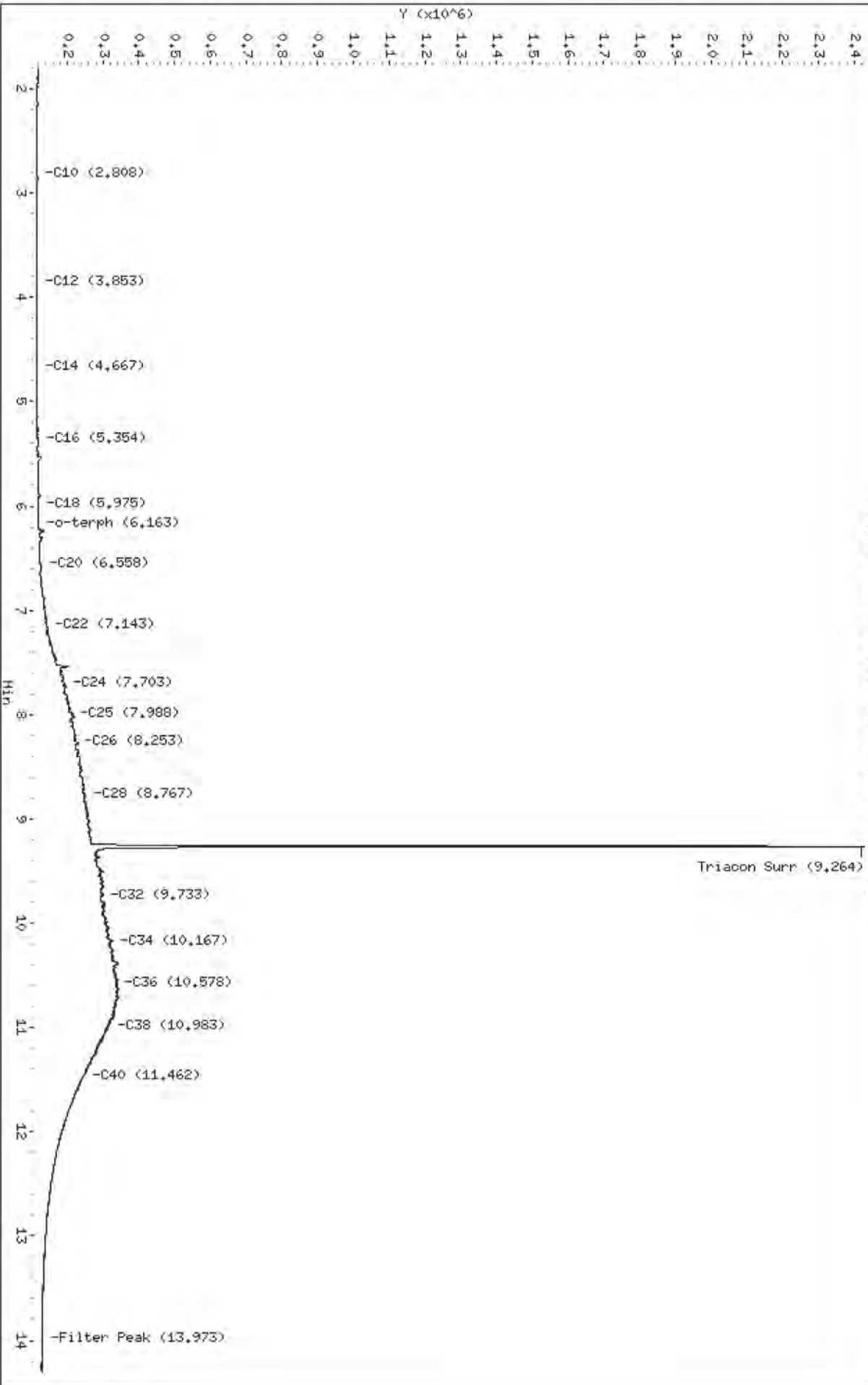


Data File: \\target\share\chem2\fid4s.1\20220106.b\42240635.D
Date: 06-JUN-2022 22:01
Client ID:
Sample Info: SKA0028-DALE

Column phase: RTX-1

Instrument: fid4s.1
Operator: TMC
Column diameter: 0.25

\\target\share\chem2\fid4s.1\20220106.b\42240635.D



Analytical Resources Inc.
TPH Quantitation Report

Data file: 20220106.b/422A0635.D
Method: 20220106.b\FID4TPH.m
Instrument: fid4a.i, TWC
Report Date: 01/07/2022
Macro: 09-SEP-2019
Calibration Dates: Gas:XX-XXX-XXXX Diesel:06-DEC-2022 M.Oil:06-DEC-2022

ARI ID: SKA0028-CALE
Client ID:
Injection: 06-JAN-2022 22:01
Dilution Factor: 1
RT Std: 422A0603.D

FID:4A RESULTS

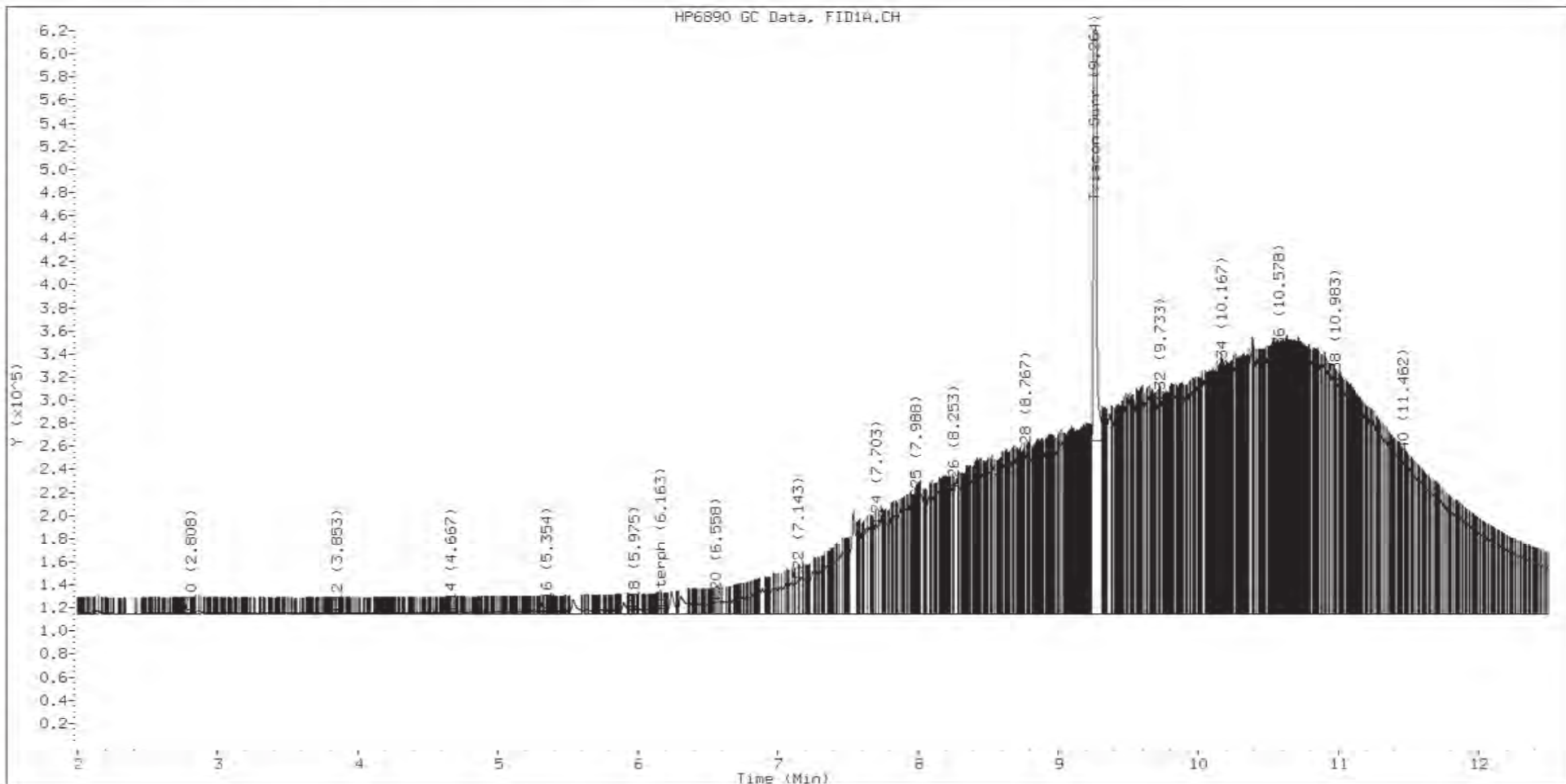
Compound	RT	Shift	Height	Area	Method	Range	Total Area	Conc (mg/L)
C8	1.577	0.010	8719	1728	WATPHD	(C12-C24)	2929726	20.1
C10	2.808	0.007	730	310	WATPHM	(C24-C38)	31748804	239.5
C12	3.853	-0.006	795	616	AK102	(C10-C25)	3824694	22.2
C14	4.667	-0.001	1277	1021	AK103	(C25-C36)	25645540	259.3
C16	5.354	-0.002	2070	507	OR.DIES	(C10-C28)	9965738	57.4
C18	5.975	0.003	3530	1724				
C20	6.558	-0.002	10355	11106				
C22	7.143	0.001	29007	34388				
C24	7.703	-0.005	77178	83297				
C25	7.988	0.002	98914	48889				
C26	8.253	-0.005	108103	48204				
C28	8.767	-0.009	136834	155381				
C32	9.733	0.004	184014	127408				
C34	10.167	-0.000	211495	52618				
Filter Peak	13.973	0.000	14730	5087				
C36	10.578	-0.003	222240	77716				
C38	10.983	-0.005	200745	129371				
C40	11.462	0.002	131317	97270				
o-terph	6.163	-0.004	4526	2639				
Triacon Surr	9.264	-0.025	2163427	1840060	NAS DIES	(C10-C24)	2959772	17.2

Range Times: NW Diesel(3.859 - 7.709) AK102(2.80 - 7.99) Jet A(2.80 - 5.97)
NW M.Oil(7.71 - 10.99) AK103(7.99 - 10.58) OR Diesel(2.80 - 8.78)

Surrogate	Area	Amount
o-Terphenyl	2639	0.0
Triacontane	1840060	10.6 M

M Indicates the peak was manually integrated

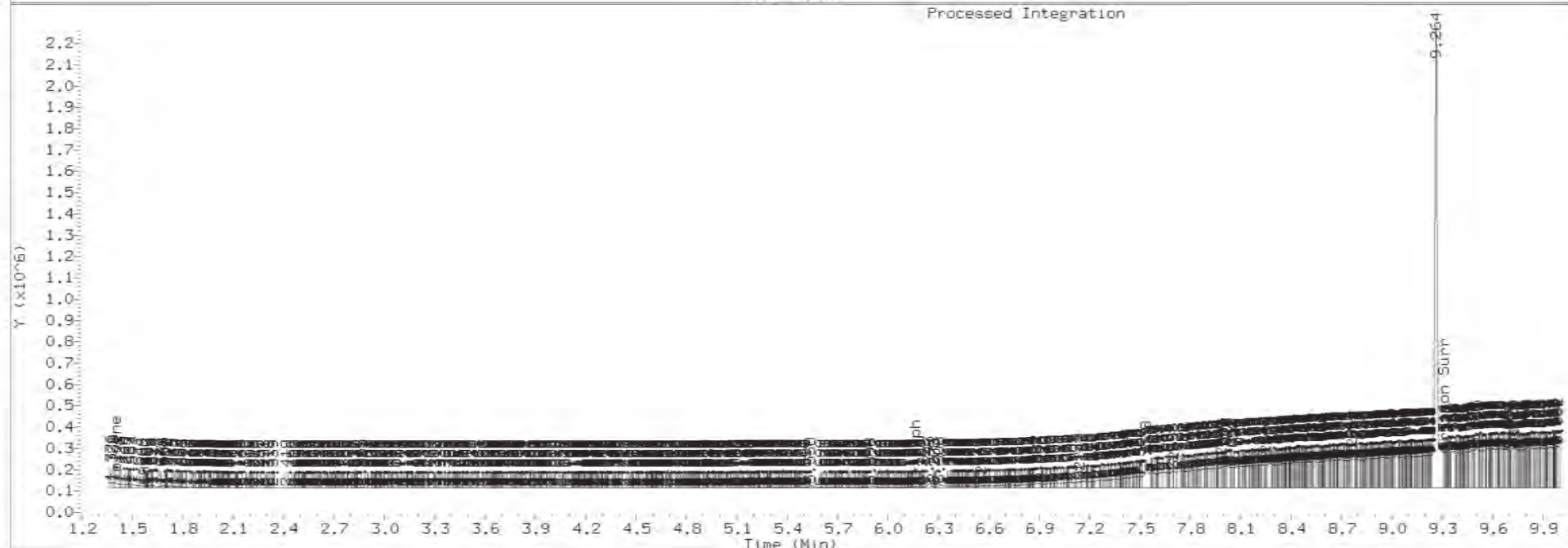
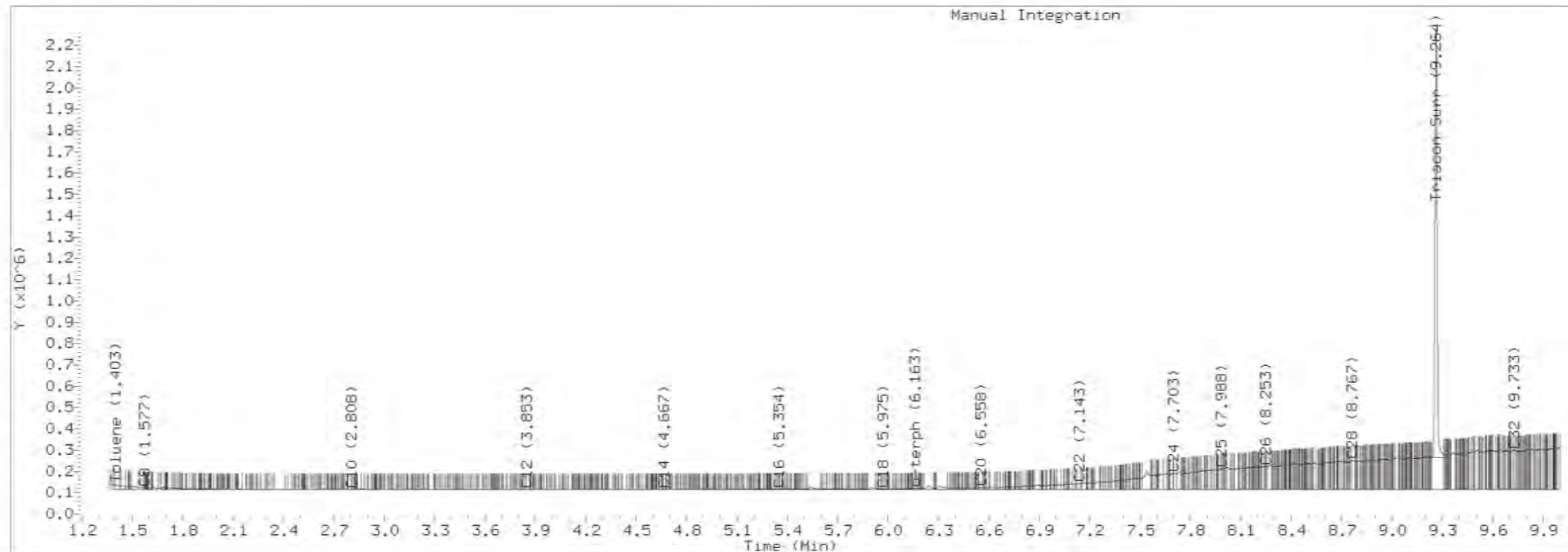
Analyte	RF	Curve Date
o-Terph Surr	192003.9	
Triacon Surr	174221.0	
Gas	15000.0	XX-XXX-XXXX
Diesel	145750.5	06-DEC-2022
Motor Oil	132579.1	06-DEC-2022
AK102	172235.6	06-DEC-2022
AK103	98909.5	06-DEC-2022
OR Diesel	173767.2	06-DEC-2022
NAS Diesel	171749.5	06-DEC-2022



TPH Manual Integrations Report

Datafile: FID4A, 20220106.b/422A0635.D Injection: 06-JAN-2022 22:01

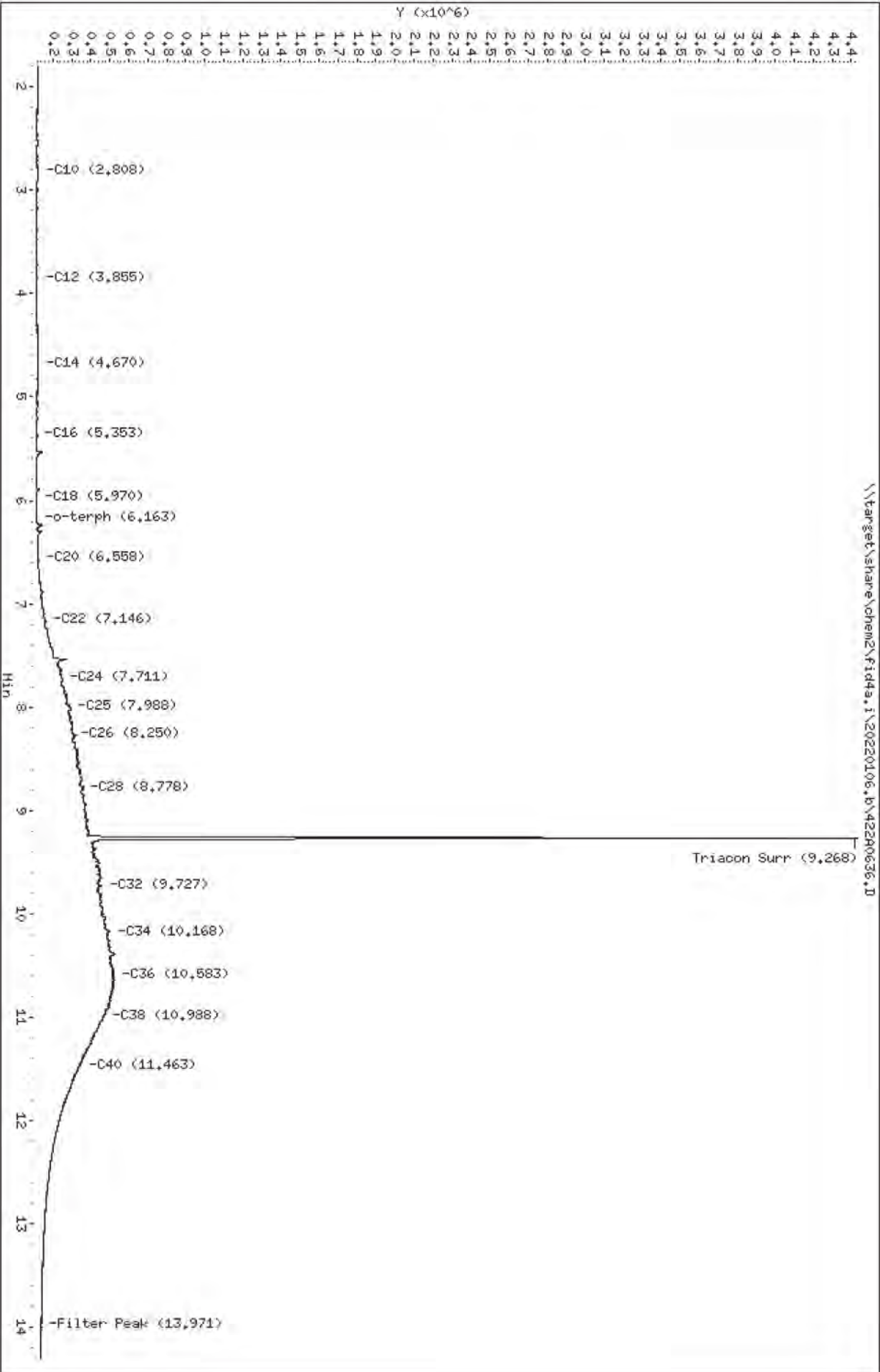
Lab ID:SKA0028-CALE



Data File: \\target\share\chem2\fid4s.1\20220106.b\42240636.D
Date: 06-JAN-2022 22:21
Client ID:
Sample Info: SKA0028-CALF

Column phase: RTX-1

Instrument: fid4s.1
Operator: TMC
Column diameter: 0.25



Analytical Resources Inc.
TPH Quantitation Report

Data file: 20220106.b/422A0636.D
Method: 20220106.b\FID4TPH.m
Instrument: fid4a.i, TWC
Report Date: 01/07/2022
Macro: 09-SEP-2019
Calibration Dates: Gas:XX-XXX-XXXX Diesel:06-DEC-2022 M.Oil:06-DEC-2022

ARI ID: SKA0028-CALF
Client ID:
Injection: 06-JAN-2022 22:21
Dilution Factor: 1
RT Std: 422A0603.D

FID:4A RESULTS

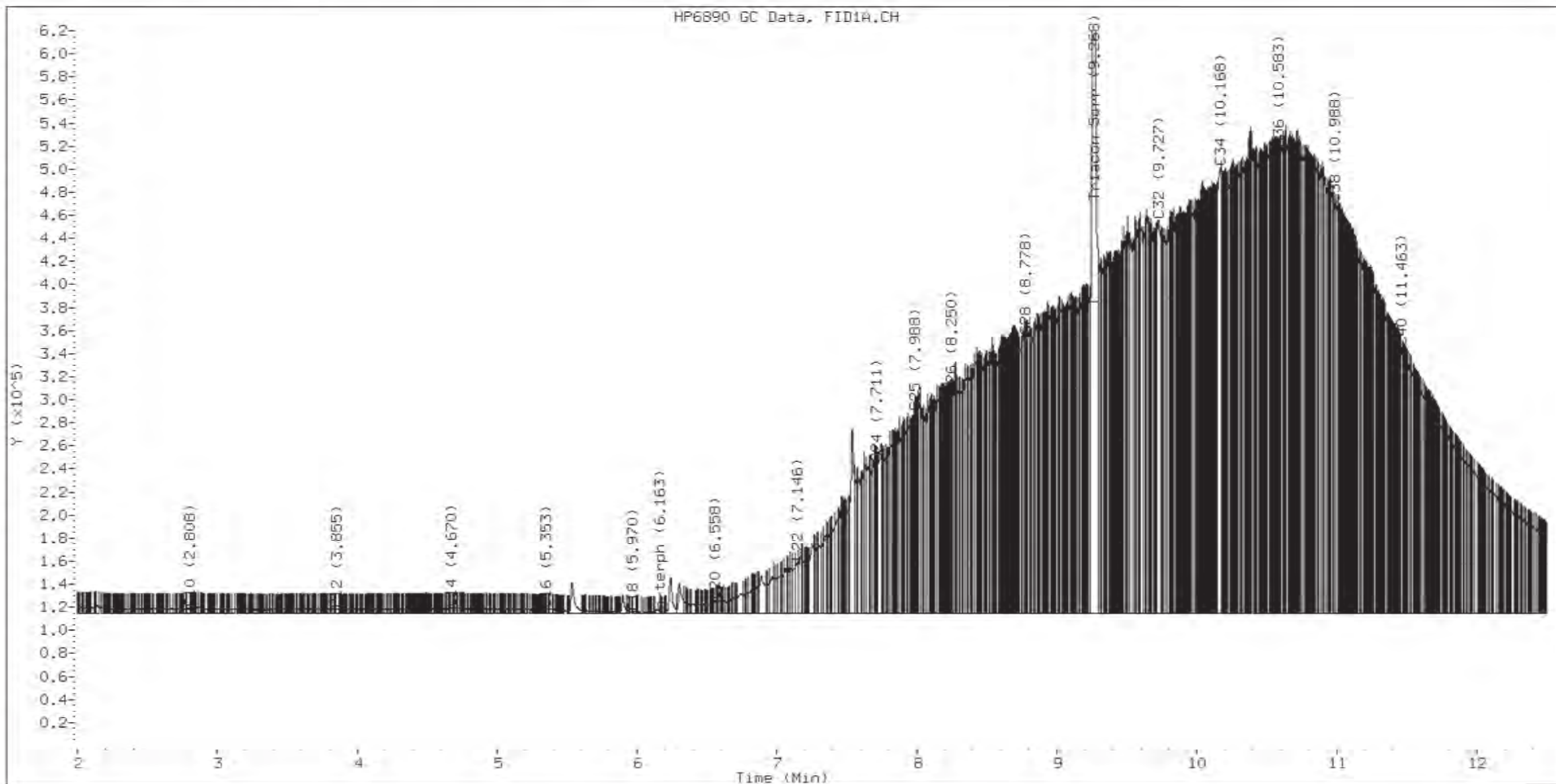
Compound	RT	Shift	Height	Area	Method	Range	Total Area	Conc (mg/L)
C8	1.588	0.022	14154	9065	WATPHD	(C12-C24)	4637647	31.8
C10	2.808	0.006	3982	972	WATPHM	(C24-C38)	56653473	427.3
C12	3.855	-0.004	3786	3993	AK102	(C10-C25)	6441039	37.4
C14	4.670	0.002	4050	2404	AK103	(C25-C36)	45729418	462.3
C16	5.353	-0.004	3118	761	OR.DIES	(C10-C28)	17026229	98.0
C18	5.970	-0.002	794	203				
C20	6.558	-0.001	10478	9728				
C22	7.146	0.005	44045	65456				
C24	7.711	0.002	130061	38666				
C25	7.988	0.002	174343	60325				
C26	8.250	-0.007	189683	56662				
C28	8.778	0.003	240756	95966				
C32	9.727	-0.003	340946	614753				
C34	10.168	0.001	386820	624600				
Filter Peak	13.971	-0.002	25087	9932				
C36	10.583	0.002	402993	240743				
C38	10.988	-0.000	355088	281638				
C40	11.463	0.003	229950	158804				
o-terph	6.163	-0.005	2082	1126				
Triacon Surr	9.268	-0.022	4048608	3404066	NAS DIES	(C10-C24)	4860533	28.3

Range Times: NW Diesel(3.859 - 7.709) AK102(2.80 - 7.99) Jet A(2.80 - 5.97)
NW M.Oil(7.71 - 10.99) AK103(7.99 - 10.58) OR Diesel(2.80 - 8.78)

Surrogate	Area	Amount
o-Terphenyl	1126	0.0
Triacontane	3404066	19.5 M

M Indicates the peak was manually integrated

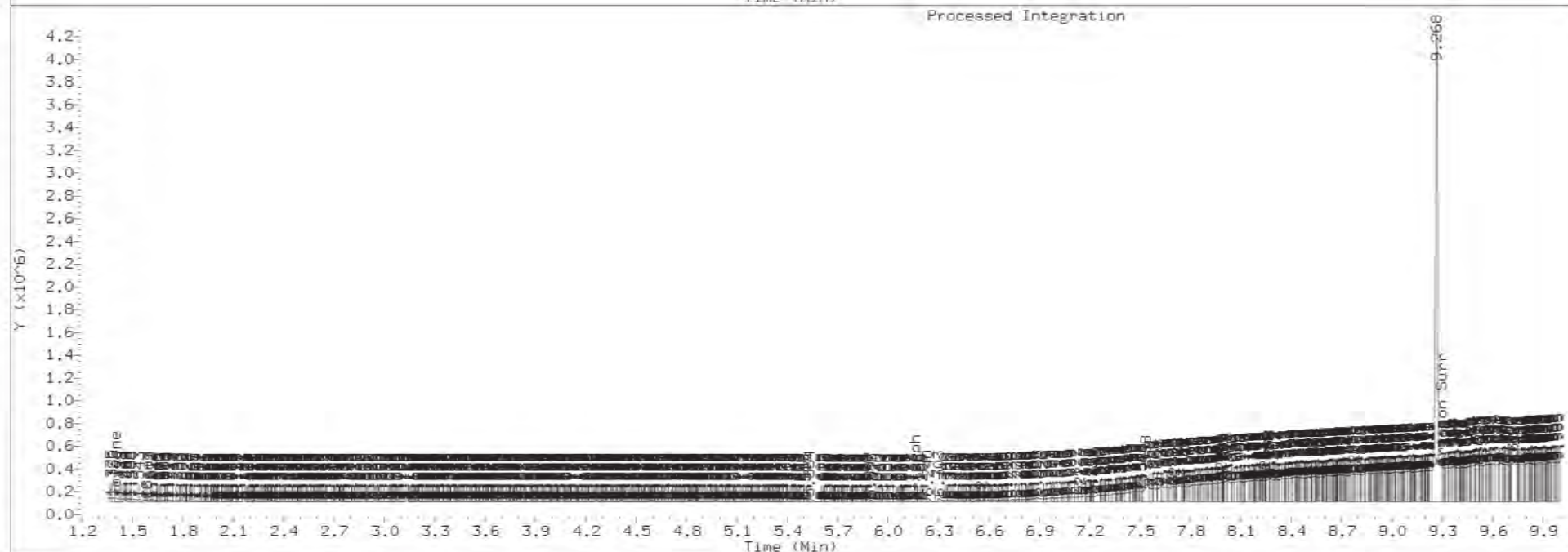
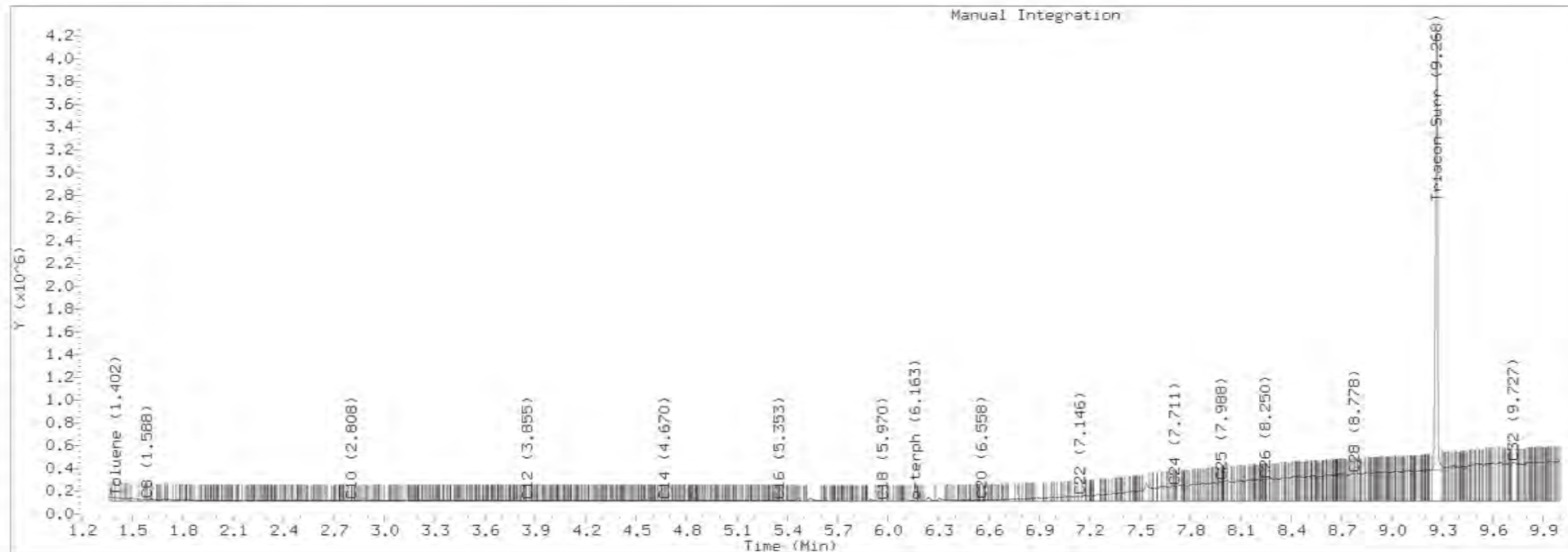
Analyte	RF	Curve Date
o-Terph Surr	192003.9	
Triacon Surr	174221.0	
Gas	15000.0	XX-XXX-XXXX
Diesel	145750.5	06-DEC-2022
Motor Oil	132579.1	06-DEC-2022
AK102	172235.6	06-DEC-2022
AK103	98909.5	06-DEC-2022
OR Diesel	173767.2	06-DEC-2022
NAS Diesel	171749.5	06-DEC-2022



TPH Manual Integrations Report

Datafile: FID4A, 20220106.b/422A0636.D Injection: 06-JAN-2022 22:21

Lab ID:SKA0028-CALF

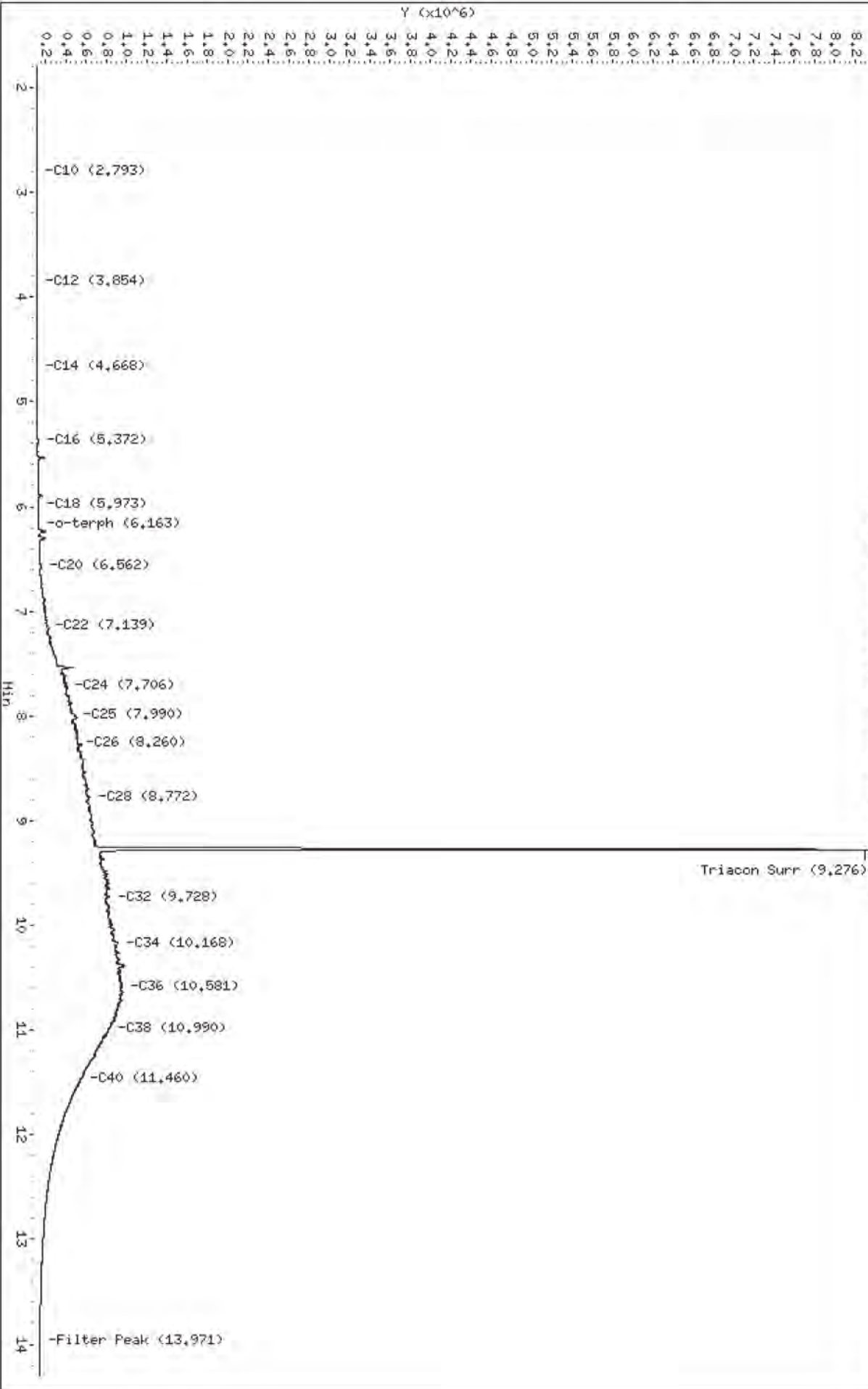


Data File: \\target\share\chem2\fid4s.1\20220106.b\42240637.D
Date: 06-JUN-2022 22:40
Client ID:
Sample Info: SKA0028-CALG

Column phase: RTX-1

Instrument: fid4s.1
Operator: TMC
Column diameter: 0.25

\\target\share\chem2\fid4s.1\20220106.b\42240637.D



Analytical Resources Inc.
TPH Quantitation Report

Data file: 20220106.b/422A0637.D
Method: 20220106.b\FID4TPH.m
Instrument: fid4a.i, TWC
Report Date: 01/07/2022
Macro: 09-SEP-2019
Calibration Dates: Gas:XX-XXX-XXXX Diesel:06-DEC-2022 M.Oil:06-DEC-2022

ARI ID: SKA0028-CALG
Client ID:
Injection: 06-JAN-2022 22:40
Dilution Factor: 1
RT Std: 422A0603.D

FID:4A RESULTS

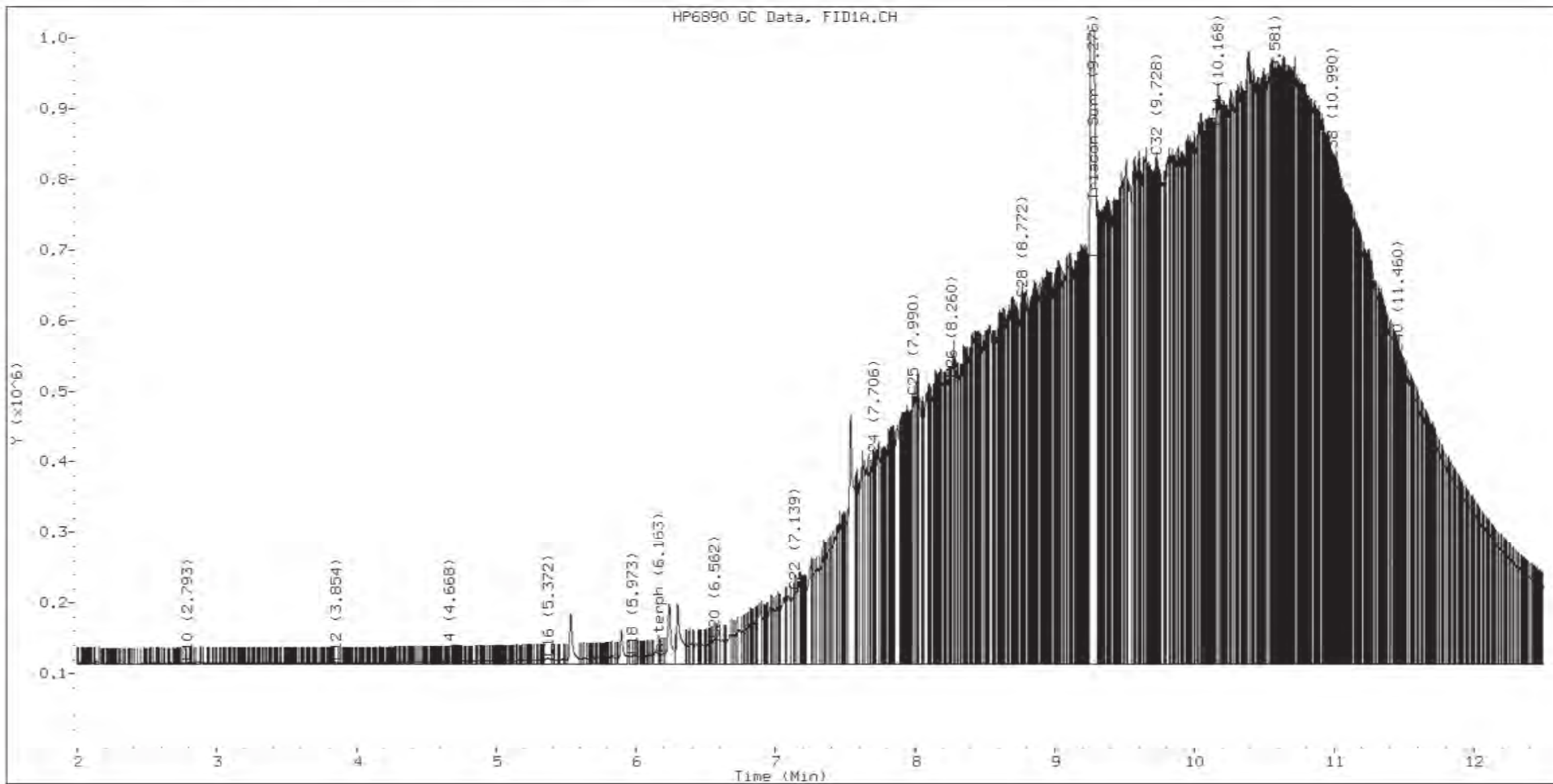
Compound	RT	Shift	Height	Area	Method	Range	Total Area	Conc (mg/L)
C8	1.564	-0.002	10251	8037	WATPHD	(C12-C24)	10669048	73.2
C10	2.793	-0.009	2989	2545	WATPHM	(C24-C38)	118912028	896.9
C12	3.854	-0.004	3129	3369	AK102	(C10-C25)	14106045	81.9
C14	4.668	-0.000	3674	726	AK103	(C25-C36)	96301748	973.6
C16	5.372	0.016	8563	21003	OR.DIES	(C10-C28)	36905977	212.4
C18	5.973	0.001	11679	12084				
C20	6.562	0.002	35663	24640				
C22	7.139	-0.002	103298	79290				
C24	7.706	-0.003	284447	224436				
C25	7.990	0.004	378257	277820				
C26	8.260	0.003	403438	120714				
C28	8.772	-0.004	516982	255803				
C32	9.728	-0.002	718410	459925				
C34	10.168	0.001	803384	239993				
Filter Peak	13.971	-0.002	27761	6898				
C36	10.581	-0.000	834404	331494				
C38	10.990	0.001	714197	317894				
C40	11.460	0.001	440399	153485				
o-terph	6.163	-0.004	14672	10827				
Triacon Surr	9.276	-0.014	7631149	7112816	NAS DIES	(C10-C24)	10776583	62.7

Range Times: NW Diesel(3.859 - 7.709) AK102(2.80 - 7.99) Jet A(2.80 - 5.97)
NW M.Oil(7.71 - 10.99) AK103(7.99 - 10.58) OR Diesel(2.80 - 8.78)

Surrogate	Area	Amount
o-Terphenyl	10827	0.1
Triacotane	7112816	40.8 M

M Indicates the peak was manually integrated

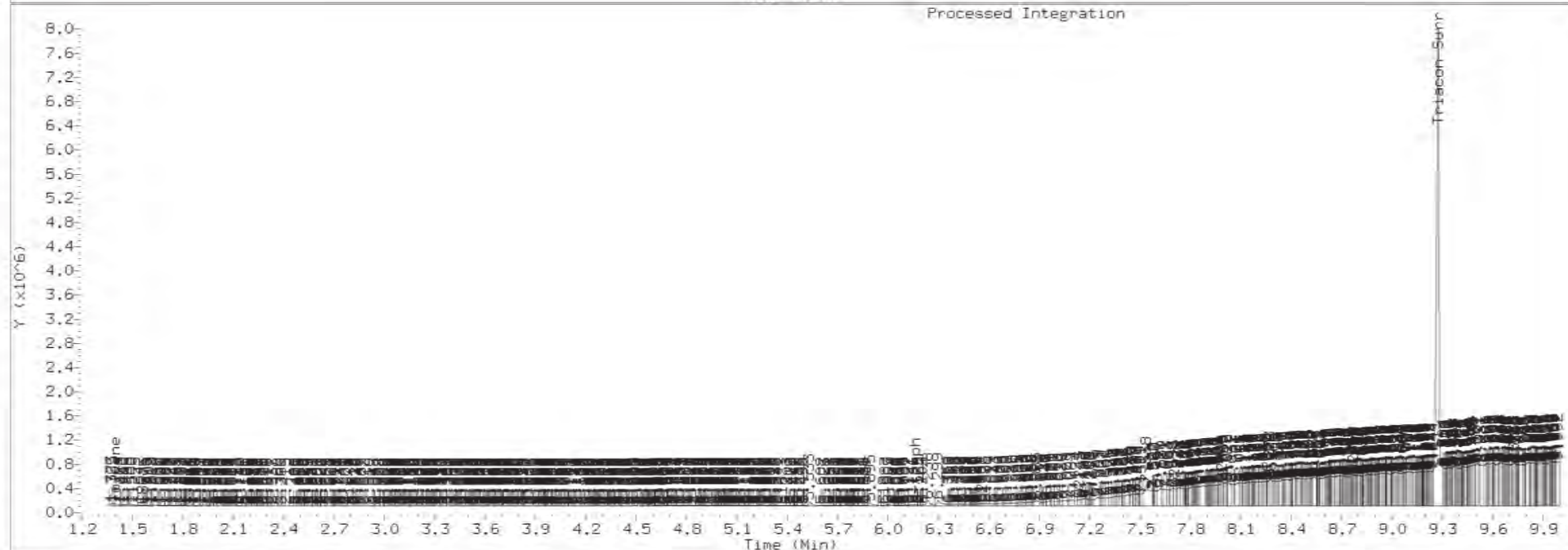
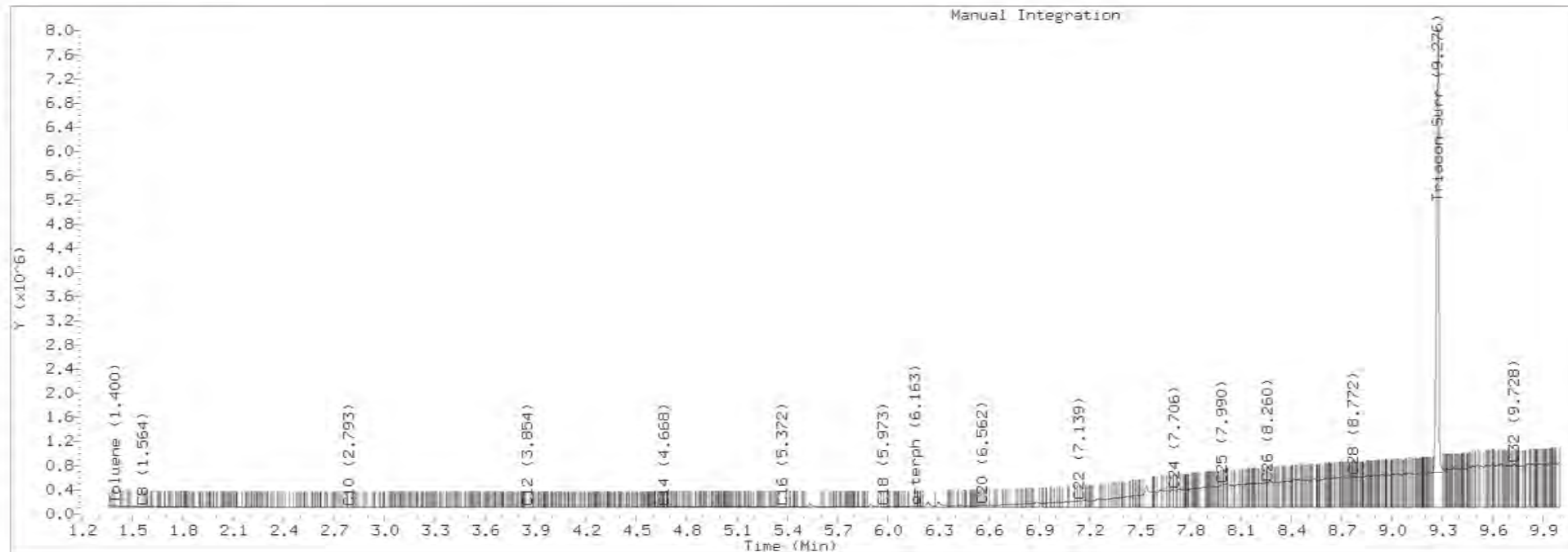
Analyte	RF	Curve Date
o-Terph Surr	192003.9	
Triacon Surr	174221.0	
Gas	15000.0	XX-XXX-XXXX
Diesel	145750.5	06-DEC-2022
Motor Oil	132579.1	06-DEC-2022
AK102	172235.6	06-DEC-2022
AK103	98909.5	06-DEC-2022
OR Diesel	173767.2	06-DEC-2022
NAS Diesel	171749.5	06-DEC-2022



TPH Manual Integrations Report

Datafile: FID4A, 20220106.b/422A0637.D Injection: 06-JAN-2022 22:40

Lab ID:SKA0028-CALG

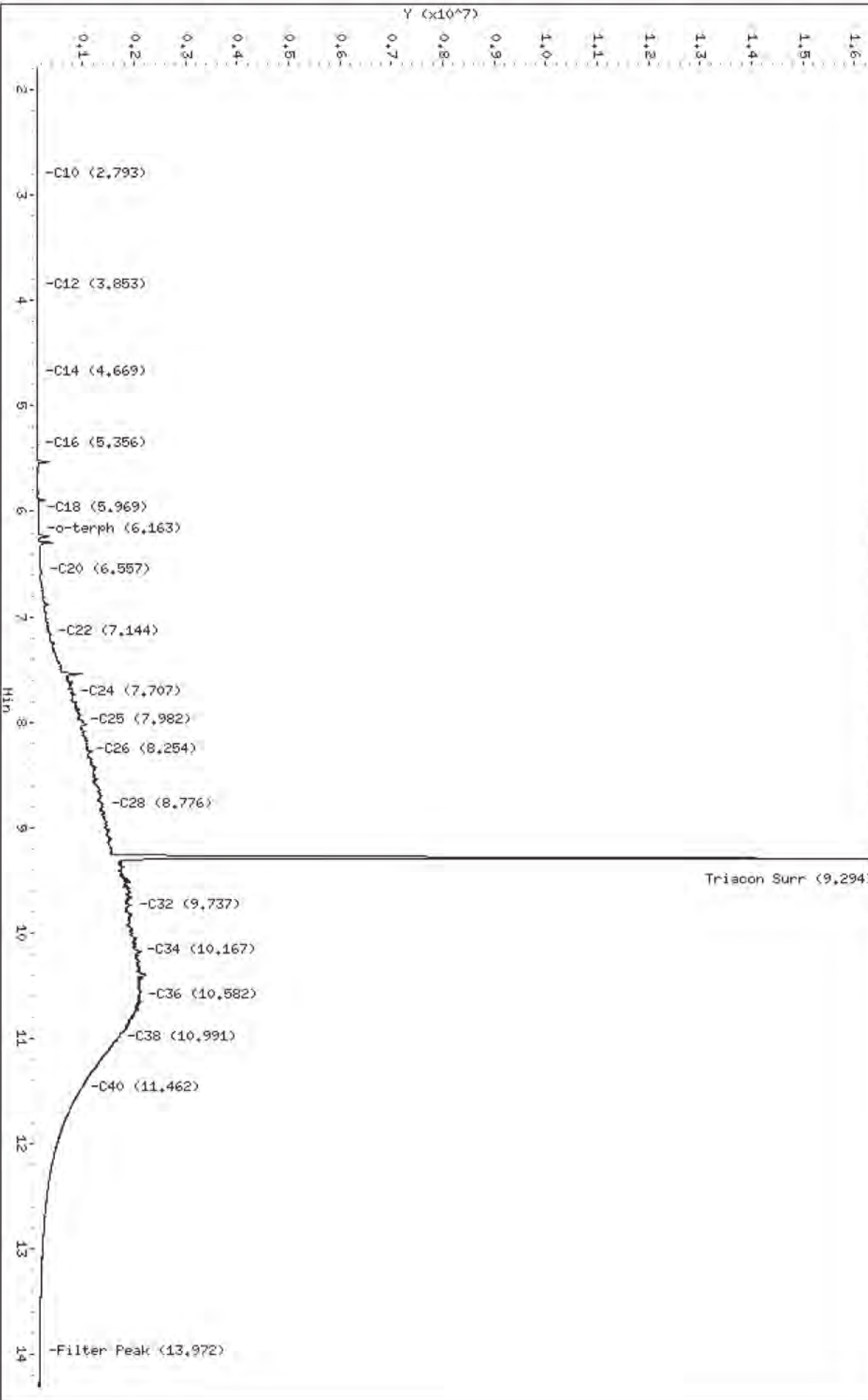


Data File: \\target\share\chem2\fid4s.1\20220106.b\42240638.D
Date: 06-JUN-2022 23:00
Client ID:
Sample Info: SKA0028-DALH

Column phase: RTX-1

Instrument: fid4s.1
Operator: TMC
Column diameter: 0.25

\\target\share\chem2\fid4s.1\20220106.b\42240638.D



Analytical Resources Inc.
TPH Quantitation Report

Data file: 20220106.b/422A0638.D
Method: 20220106.b\FID4TPH.m
Instrument: fid4a.i, TWC
Report Date: 01/07/2022
Macro: 09-SEP-2019
Calibration Dates: Gas:XX-XXX-XXXX Diesel:06-DEC-2022 M.Oil:06-DEC-2022

ARI ID: SKA0028-CALH
Client ID:
Injection: 06-JAN-2022 23:00
Dilution Factor: 1
RT Std: 422A0603.D

FID:4A RESULTS

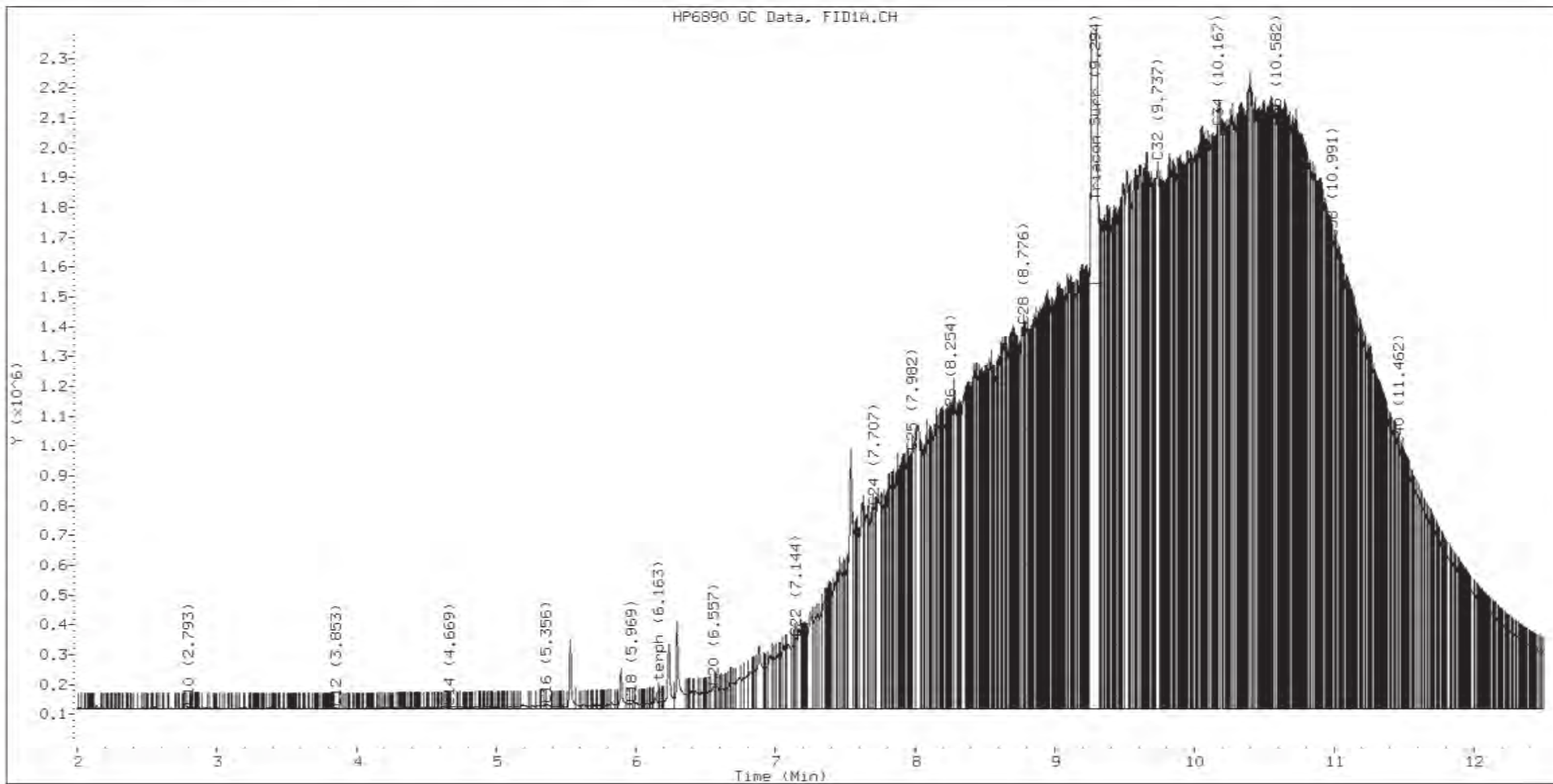
Compound	RT	Shift	Height	Area	Method	Range	Total Area	Conc (mg/L)
C8	1.550	-0.016	15003	25686	WATPHD	(C12-C24)	24361681	167.1
C10	2.793	-0.008	5806	4253	WATPHM	(C24-C38)	289674025	2184.9
C12	3.853	-0.006	4910	5292	AK102	(C10-C25)	32275990	187.4
C14	4.669	0.001	5973	2906	AK103	(C25-C36)	237850338	2404.7
C16	5.356	-0.001	13540	11261	OR.DIES	(C10-C28)	87712919	504.8
C18	5.969	-0.003	19481	20038				
C20	6.557	-0.003	74936	126475				
C22	7.144	0.003	236942	186098				
C24	7.707	-0.002	677766	469515				
C25	7.982	-0.005	863746	542351				
C26	8.254	-0.003	976816	340522				
C28	8.776	0.000	1285059	822854				
C32	9.737	0.008	1833990	3204593				
C34	10.167	-0.001	1975729	1066182				
Filter Peak	13.972	-0.001	47695	14242				
C36	10.582	0.001	1998401	1188859				
C38	10.991	0.002	1575341	1017575				
C40	11.462	0.002	881216	482236				
o-terph	6.163	-0.004	24484	15319				
Triacon Surr	9.294	0.004	14822727	18477737	NAS DIES	(C10-C24)	24461975	142.4

Range Times: NW Diesel(3.859 - 7.709) AK102(2.80 - 7.99) Jet A(2.80 - 5.97)
NW M.Oil(7.71 - 10.99) AK103(7.99 - 10.58) OR Diesel(2.80 - 8.78)

Surrogate	Area	Amount
o-Terphenyl	15319	0.1
Triacontane	18477737	106.1 M

M Indicates the peak was manually integrated

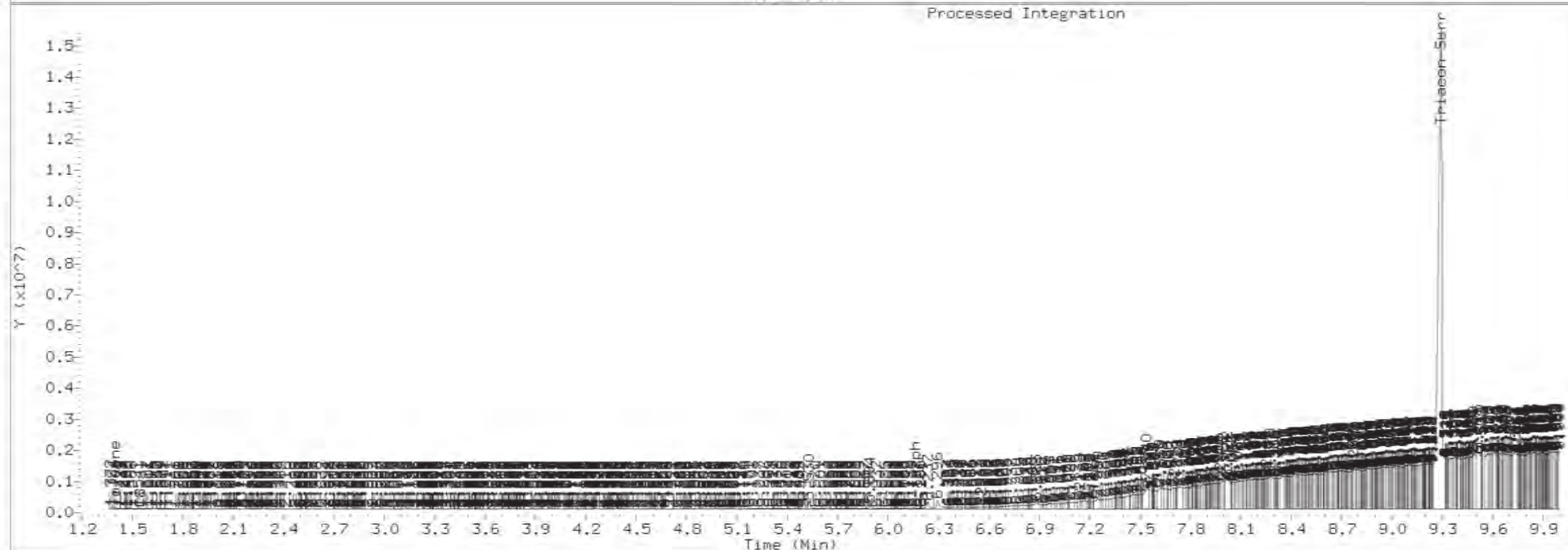
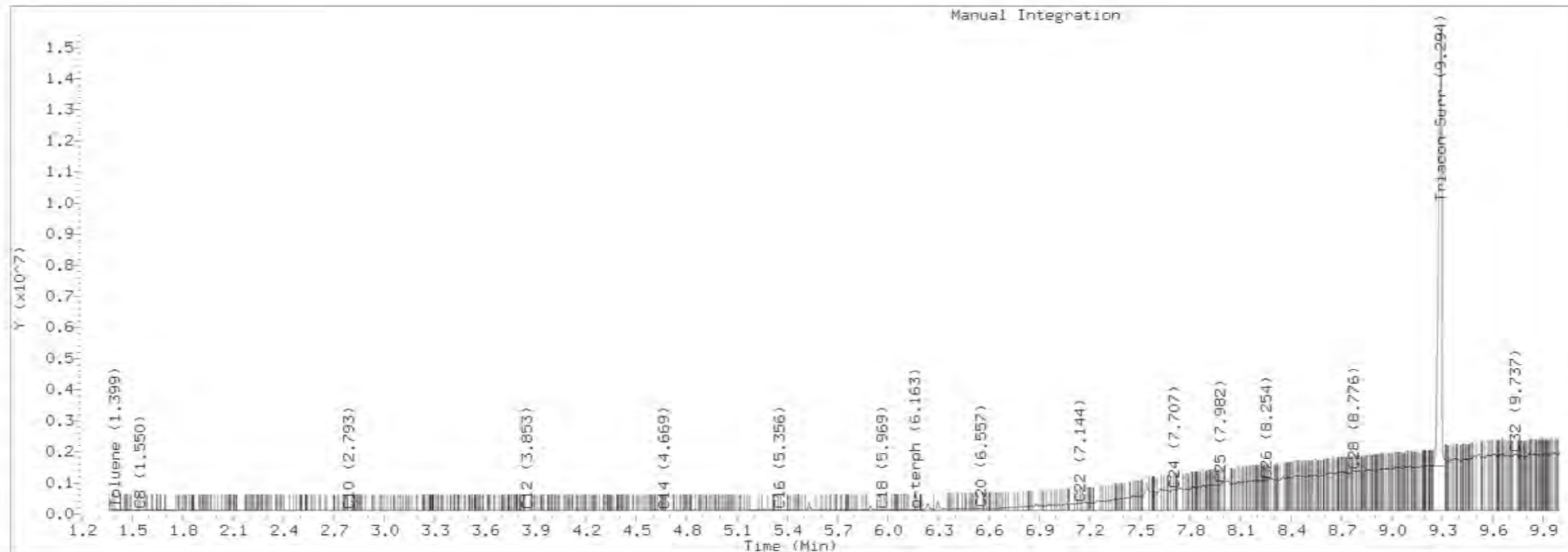
Analyte	RF	Curve Date
o-Terph Surr	192003.9	
Triacon Surr	174221.0	
Gas	15000.0	XX-XXX-XXXX
Diesel	145750.5	06-DEC-2022
Motor Oil	132579.1	06-DEC-2022
AK102	172235.6	06-DEC-2022
AK103	98909.5	06-DEC-2022
OR Diesel	173767.2	06-DEC-2022
NAS Diesel	171749.5	06-DEC-2022



TPH Manual Integrations Report

Datafile: FID4A, 20220106.b/422A0638.D Injection: 06-JAN-2022 23:00

Lab ID:SKA0028-CALH

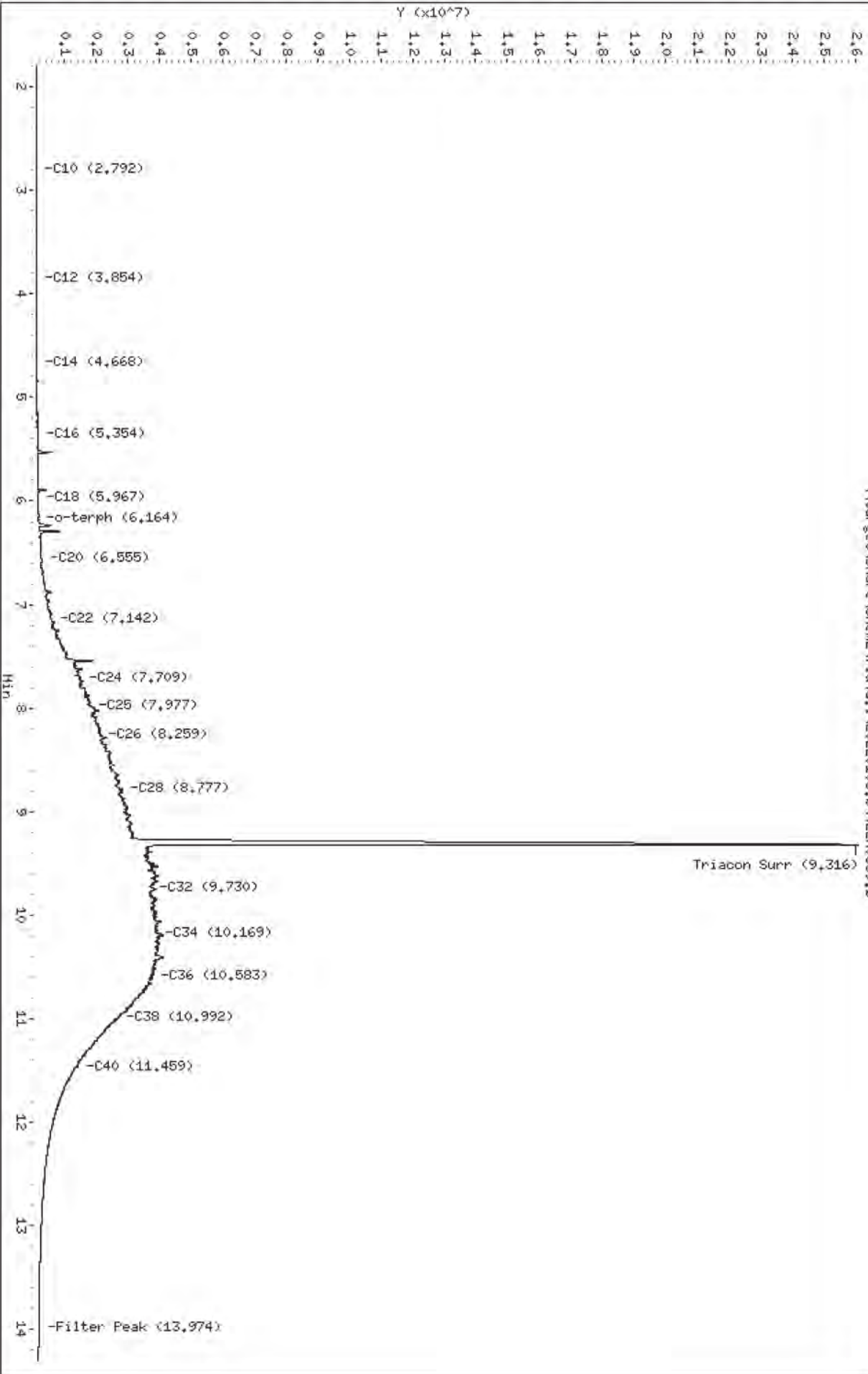


Data File: \\target\share\chem2\fid4s.1\20220106.b\42240639.D
Date: 06-JAN-2022 23:20
Client ID:
Sample Info: SKA0028-CALI

Column phase: RTX-1

Instrument: fid4s.1
Operator: TMC
Column diameter: 0.25

\\target\share\chem2\fid4s.1\20220106.b\42240639.D



Analytical Resources Inc.
TPH Quantitation Report

Data file: 20220106.b/422A0639.D
Method: 20220106.b\FID4TPH.m
Instrument: fid4a.i, TWC
Report Date: 01/07/2022
Macro: 09-SEP-2019
Calibration Dates: Gas:XX-XXX-XXXX Diesel:06-DEC-2022 M.Oil:06-DEC-2022

ARI ID: SKA0028-CALI
Client ID:
Injection: 06-JAN-2022 23:20
Dilution Factor: 1
RT Std: 422A0603.D

FID:4A RESULTS

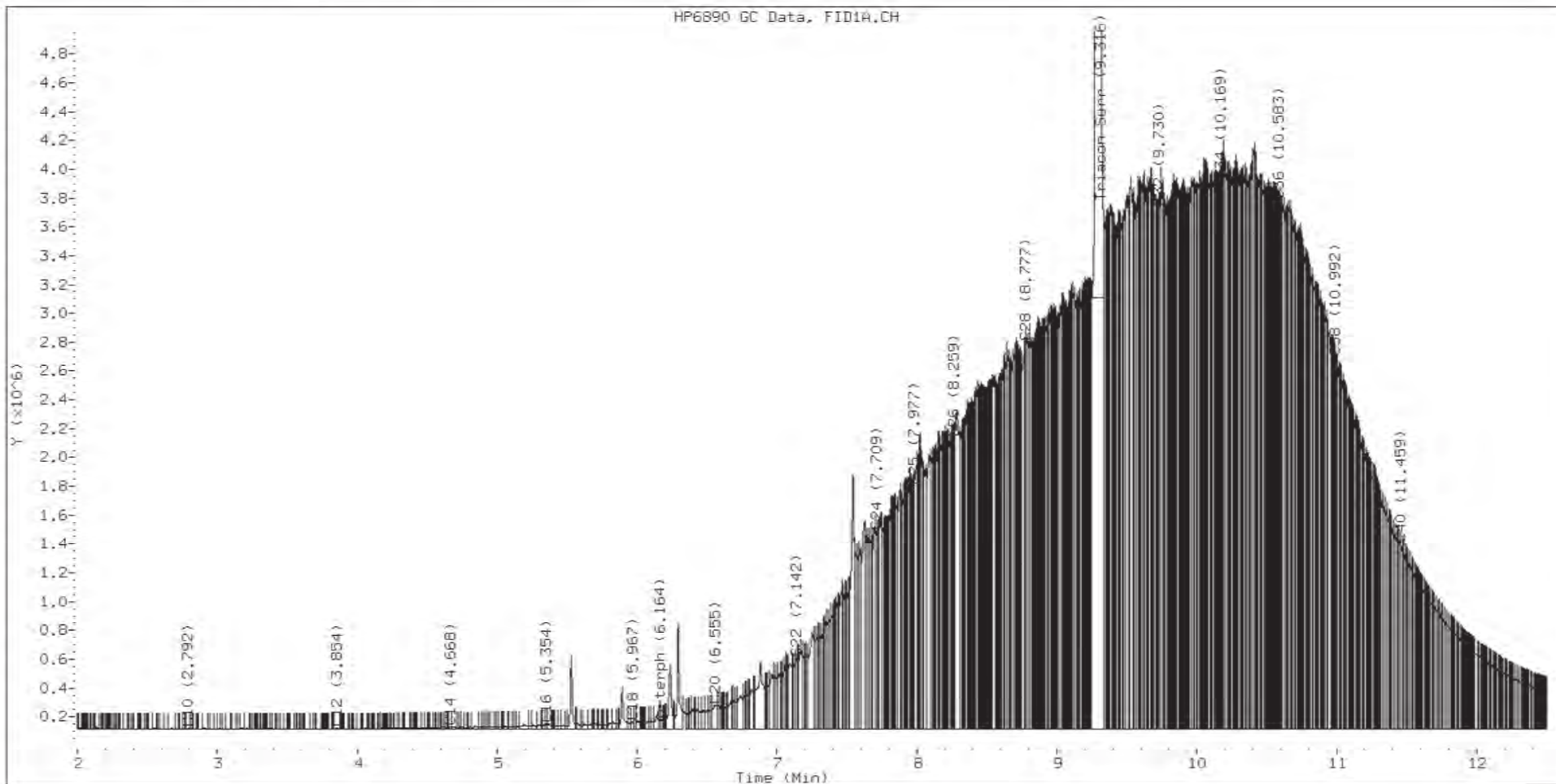
Compound	RT	Shift	Height	Area	Method	Range	Total Area	Conc (mg/L)
C8	1.565	-0.001	11725	6933	WATPHD	(C12-C24)	51665018	354.5
C10	2.792	-0.009	11749	9511	WATPHM	(C24-C38)	580345070	4377.3
C12	3.854	-0.005	12714	17010	AK102	(C10-C25)	67592612	392.4
C14	4.668	-0.000	16107	18663	AK103	(C25-C36)	492594942	4980.3
C16	5.354	-0.003	36148	36162	OR.DIES	(C10-C28)	183451140	1055.7
C18	5.967	-0.005	54500	58780				
C20	6.555	-0.004	168086	345395				
C22	7.142	0.001	496825	426514				
C24	7.709	-0.000	1380379	821529				
C25	7.977	-0.009	1684832	419304				
C26	8.259	0.002	2021095	604905				
C28	8.777	0.001	2684125	1195563				
C32	9.730	0.001	3627512	1086662				
C34	10.169	0.001	3804924	1327718				
Filter Peak	13.974	0.001	71473	21315				
C36	10.583	0.001	3665808	1277336				
C38	10.992	0.003	2584308	1280144				
C40	11.459	-0.000	1288075	1197871				
o-terph	6.164	-0.003	64420	50439				
Triacon Surr	9.316	0.026	22993117	39002952	NAS DIES	(C10-C24)	51959316	302.5

Range Times: NW Diesel(3.859 - 7.709) AK102(2.80 - 7.99) Jet A(2.80 - 5.97)
NW M.Oil(7.71 - 10.99) AK103(7.99 - 10.58) OR Diesel(2.80 - 8.78)

Surrogate	Area	Amount
o-Terphenyl	50439	0.3
Triacontane	39002952	223.9 M

M Indicates the peak was manually integrated

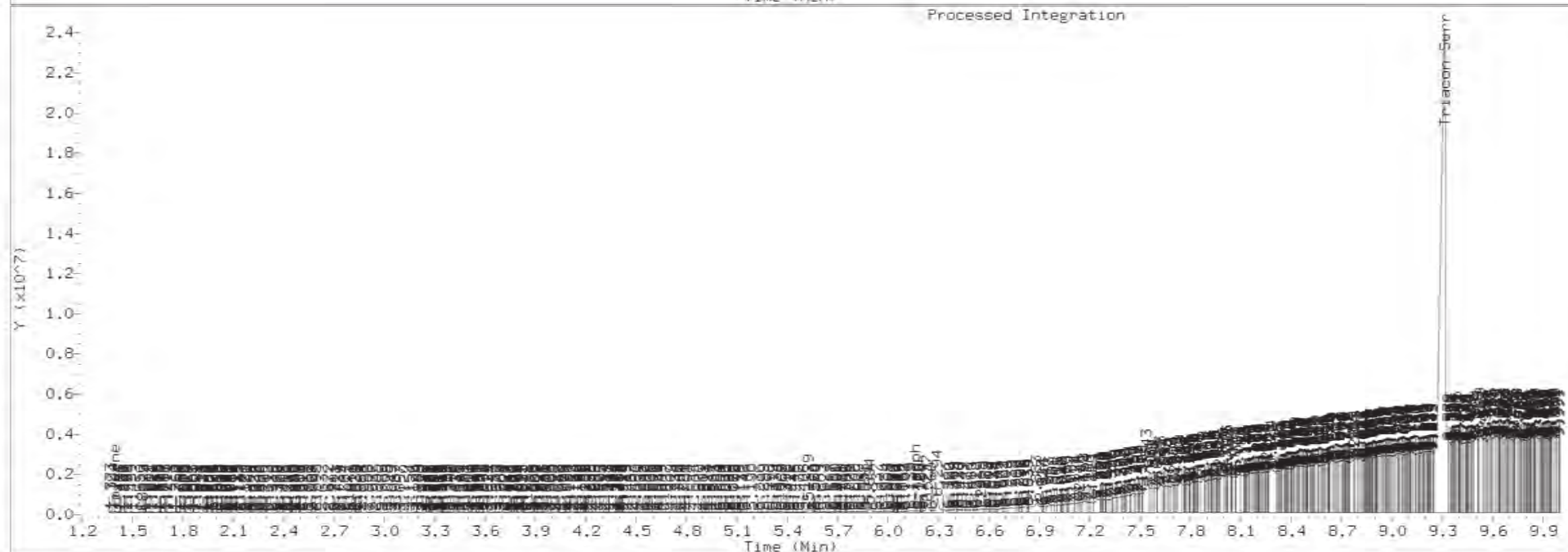
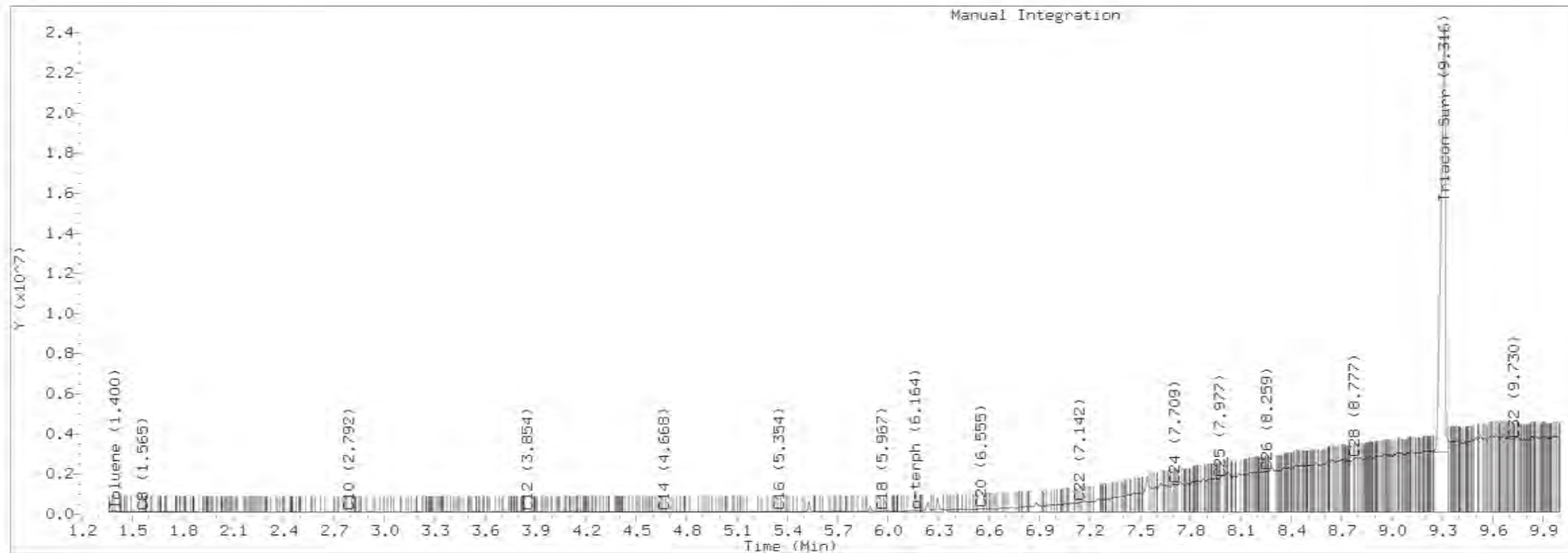
Analyte	RF	Curve Date
o-Terph Surr	192003.9	
Triacon Surr	174221.0	
Gas	15000.0	XX-XXX-XXXX
Diesel	145750.5	06-DEC-2022
Motor Oil	132579.1	06-DEC-2022
AK102	172235.6	06-DEC-2022
AK103	98909.5	06-DEC-2022
OR Diesel	173767.2	06-DEC-2022
NAS Diesel	171749.5	06-DEC-2022



TPH Manual Integrations Report

Datafile: FID4A, 20220106.b/422A0639.D Injection: 06-JAN-2022 23:20

Lab ID:SKA0028-CALI

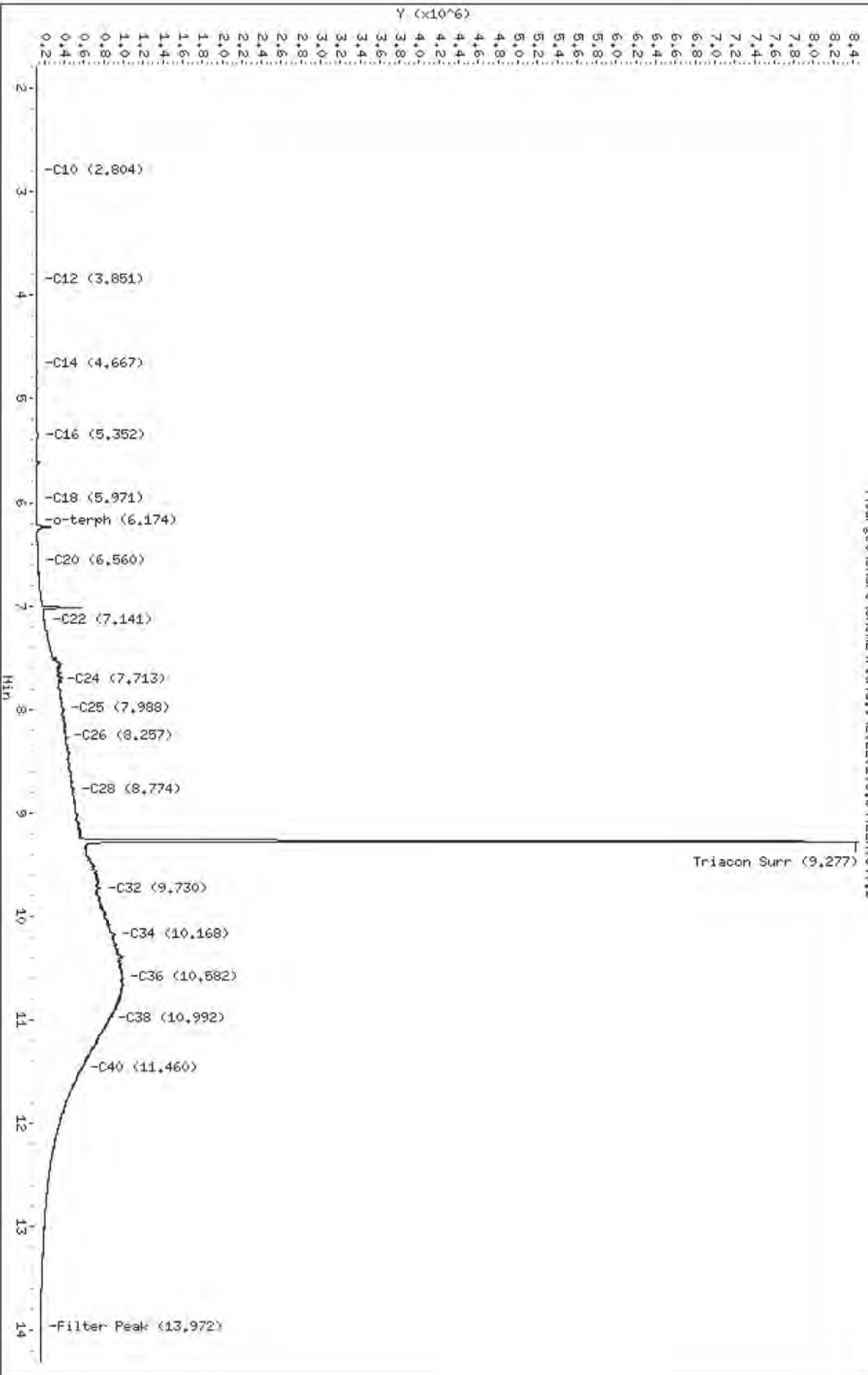


Data File: \\target\share\chem2\fid4s.1\20220106.b\42240640.D
Date: 06-JAN-2022 23:40
Client ID:
Sample Info: SKA0028-SCV3

Column phase: RTX-1

Instrument: fid4s.1
Operator: TMC
Column diameter: 0.25

\\target\share\chem2\fid4s.1\20220106.b\42240640.D



Analytical Resources Inc.
TPH Quantitation Report

Data file: 20220106.b/422A0640.D
Method: 20220106.b\FID4TPH.m
Instrument: fid4a.i, TWC
Report Date: 01/07/2022
Macro: 09-SEP-2019
Calibration Dates: Gas:XX-XXX-XXXX Diesel:06-DEC-2022 M.Oil:06-DEC-2022

ARI ID: SKA0028-SCV3
Client ID:
Injection: 06-JAN-2022 23:40
Dilution Factor: 1
RT Std: 422A0603.D

FID:4A RESULTS

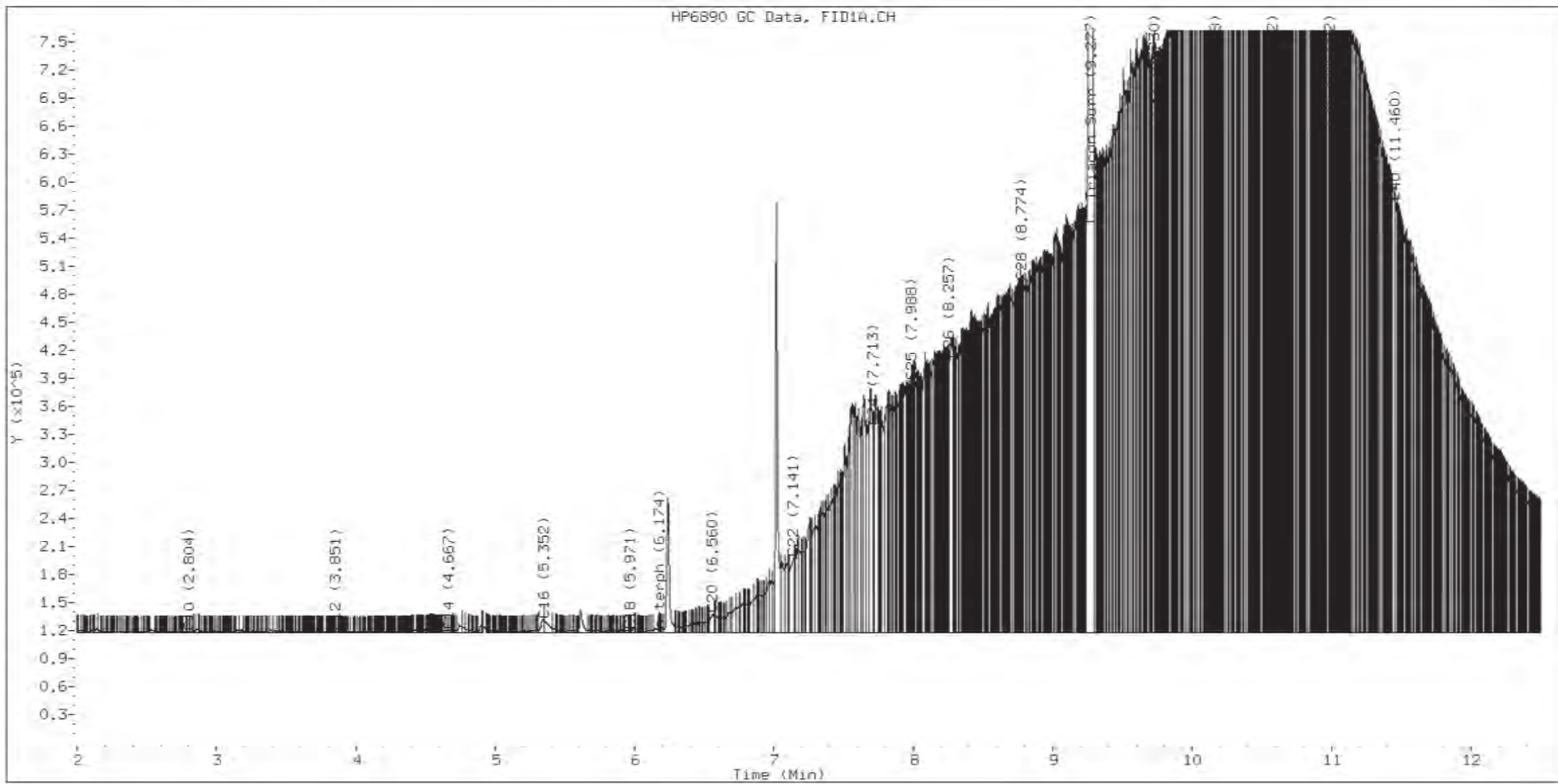
Compound	RT	Shift	Height	Area	Method	Range	Total Area	Conc (mg/L)
C8	1.565	-0.001	10365	9390	WATPHD	(C12-C24)	8234302	56.5
C10	2.804	0.003	643	178	WATPHM	(C24-C38)	105151101	793.1
C12	3.851	-0.008	703	353	AK102	(C10-C25)	10715206	62.2
C14	4.667	-0.001	2250	441	AK103	(C25-C36)	83158236	840.8
C16	5.352	-0.005	13074	30853	OR.DIES	(C10-C28)	27148572	156.2
C18	5.971	-0.001	2056	1103				
C20	6.560	0.000	19188	37853				
C22	7.141	-0.001	79210	165645				
C24	7.713	0.004	220193	54885				
C25	7.988	0.002	269226	184162				
C26	8.257	-0.001	291878	87241				
C28	8.774	-0.001	375908	167319				
C32	9.730	0.000	638880	408276				
C34	10.168	0.001	789241	274861				
Filter Peak	13.972	-0.001	40486	34016				
C36	10.582	0.000	869081	432796				
C38	10.992	0.003	735926	146906				
C40	11.460	0.000	461343	320017				
o-terph	6.174	0.007	2337	668				
Triacon Surr	9.277	-0.013	7897642	7651039	NAS DIES	(C10-C24)	8285201	48.2

Range Times: NW Diesel(3.859 - 7.709) AK102(2.80 - 7.99) Jet A(2.80 - 5.97)
NW M.Oil(7.71 - 10.99) AK103(7.99 - 10.58) OR Diesel(2.80 - 8.78)

Surrogate	Area	Amount
o-Terphenyl	668	0.0
Triacontane	7651039	43.9 M

M Indicates the peak was manually integrated

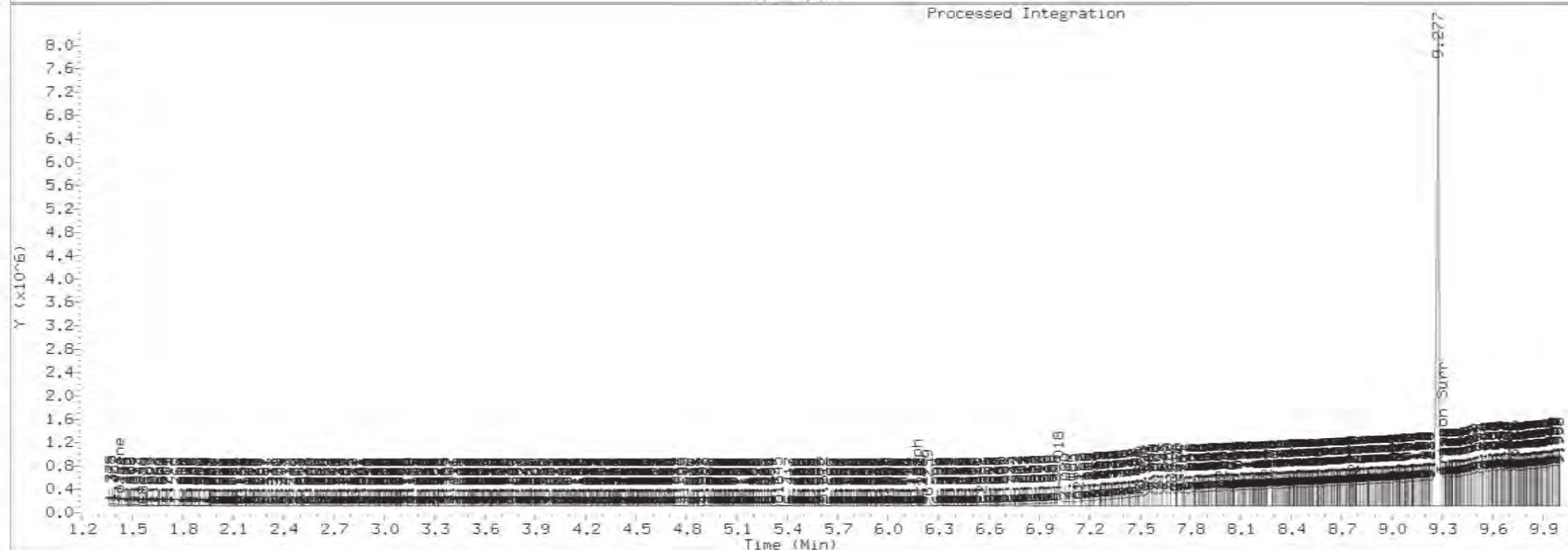
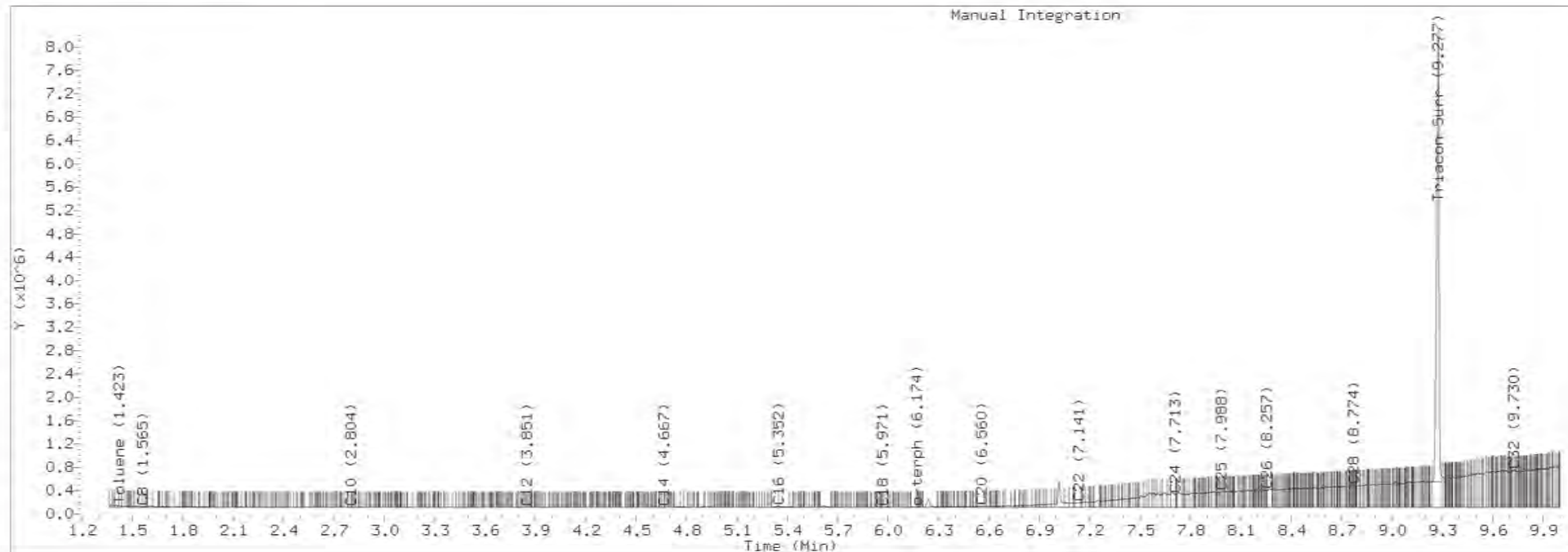
Analyte	RF	Curve Date
o-Terph Surr	192003.9	
Triacon Surr	174221.0	
Gas	15000.0	XX-XXX-XXXX
Diesel	145750.5	06-DEC-2022
Motor Oil	132579.1	06-DEC-2022
AK102	172235.6	06-DEC-2022
AK103	98909.5	06-DEC-2022
OR Diesel	173767.2	06-DEC-2022
NAS Diesel	171749.5	06-DEC-2022



TPH Manual Integrations Report

Datafile: FID4A, 20220106.b/422A0640.D Injection: 06-JAN-2022 23:40

Lab ID:SKA0028-SCV3



MANUAL INTEGRATION SUMMARY FOR DATABATCH - \\target\share\chem2\fid4a.i\20220106.b

ARI Job No.: RINS Method: FID4TPH.m Instrument: fid4a.i Date: 06-JAN-2022

Time	Filename	LabID	ClientId	DF	Manually Integrated Compounds
0920	422A0601.D	RINSE		1	NO MANUAL INTEGRATION
0940	422A0602.D	RINSE		1	NO MANUAL INTEGRATION
0959	422A0603.D	SKA0028-IBL1		1	Toluene,
1019	422A0604.D	SKA0028-IBL2		1	NO MANUAL INTEGRATION
1039	422A0605.D	SKA0028-ICV1		1	o-terph,
1059	422A0606.D	SKA0028-ICV2		1	Triacon Surr,
1119	422A0607.D	BKA0056-BLK1		1	NO MANUAL INTEGRATION
1138	422A0608.D	BKA0056-BS1		1	o-terph,
1158	422A0609.D	BKA0056-MRL1		1	o-terph, Triacon Surr,
1218	422A0610.D	BKA0056-MRL2		1	o-terph, Triacon Surr,
1238	422A0611.D	22A0041-01		1	o-terph,
1258	422A0612.D	22A0041-01		10	Triacon Surr,
1317	422A0613.D	22A0041-02		10	NO MANUAL INTEGRATION
1337	422A0614.D	22A0041-01		20	o-terph, Triacon Surr,
1357	422A0615.D	22A0041-02		20	o-terph, Triacon Surr,
1417	422A0616.D	22A0041-03		20	o-terph, Triacon Surr,
1437	422A0617.D	22A0041-04		20	NO MANUAL INTEGRATION

MANUAL INTEGRATION SUMMARY FOR DATABATCH - \\target\share\chem2\fid4a.i\20220106.b

Time	Filename	LabID	ClientId	DF	Manually Integrated Compounds
1456	422A0618.D	SKA0028-CCV1		1	o-terph,
1516	422A0619.D	SKA0028-CCV2		1	NO MANUAL INTEGRATION
1704	422A0620.D	SKA0028-CAL1		1	o-terph,
1724	422A0621.D	SKA0028-CAL2		1	o-terph,
1744	422A0622.D	SKA0028-CAL3		1	o-terph,
1804	422A0623.D	SKA0028-CAL4		1	o-terph,
1823	422A0624.D	SKA0028-CAL5		1	o-terph,
1843	422A0625.D	SKA0028-CAL6		1	o-terph,
1903	422A0626.D	SKA0028-CAL7		1	Triacon Surr,
1923	422A0627.D	SKA0028-CAL8		1	Triacon Surr,
1943	422A0628.D	SKA0028-CAL9		1	Triacon Surr,
2002	422A0629.D	SKA0028-CALA		1	Triacon Surr,
2022	422A0630.D	SKA0028-CALB		1	Triacon Surr,
2042	422A0631.D	SKA0028-CALC		1	Triacon Surr,
2102	422A0632.D	SKA0028-SCV1		1	NO MANUAL INTEGRATION
2121	422A0633.D	SKA0028-SCV2		1	NO MANUAL INTEGRATION
2141	422A0634.D	SKA0028-CALD		1	Triacon Surr,
2201	422A0635.D	SKA0028-CALE		1	Triacon Surr,

MANUAL INTEGRATION SUMMARY FOR DATABATCH - \\target\share\chem2\fid4a.i\20220106.b

Time	Filename	LabID	ClientId	DF	Manually Integrated Compounds
2221	422A0636.D	SKA0028-CALF		1	Triacon Surr,
2240	422A0637.D	SKA0028-CALG		1	Triacon Surr,
2300	422A0638.D	SKA0028-CALH		1	Triacon Surr,
2320	422A0639.D	SKA0028-CALI		1	Triacon Surr,
2340	422A0640.D	SKA0028-SCV3		1	Triacon Surr,

Security Status Report

Date: 07-Jan-2022 18:09

422A0601.D	Data Locked	tokala,	07-Jan-2022	17:54
422A0602.D	Data Locked	tokala,	07-Jan-2022	17:54
422A0603.D	Data Locked	tokala,	07-Jan-2022	17:54
422A0604.D	Data Locked	tokala,	07-Jan-2022	17:54
422A0605.D	Data Locked	tokala,	07-Jan-2022	17:54
422A0606.D	Data Locked	tokala,	07-Jan-2022	17:54
422A0607.D	Data Locked	tokala,	07-Jan-2022	17:54
422A0608.D	Data Locked	tokala,	07-Jan-2022	17:54
422A0609.D	Data Locked	tokala,	07-Jan-2022	17:54
422A0610.D	Data Locked	tokala,	07-Jan-2022	17:54
422A0611.D	Data Locked	tokala,	07-Jan-2022	17:54
422A0612.D	Data Locked	tokala,	07-Jan-2022	17:54
422A0613.D	Data Locked	tokala,	07-Jan-2022	17:54
422A0614.D	Data Locked	tokala,	07-Jan-2022	17:54
422A0615.D	Data Locked	tokala,	07-Jan-2022	17:54
422A0616.D	Data Locked	tokala,	07-Jan-2022	17:54
422A0617.D	Data Locked	tokala,	07-Jan-2022	17:54
422A0618.D	Data Locked	tokala,	07-Jan-2022	17:54
422A0619.D	Data Locked	tokala,	07-Jan-2022	17:54
422A0620.D	Data Locked	tokala,	07-Jan-2022	17:54
422A0621.D	Data Locked	tokala,	07-Jan-2022	17:54
422A0622.D	Data Locked	tokala,	07-Jan-2022	17:54
422A0623.D	Data Locked	tokala,	07-Jan-2022	17:54
422A0624.D	Data Locked	tokala,	07-Jan-2022	17:54
422A0625.D	Data Locked	tokala,	07-Jan-2022	17:54
422A0626.D	Data Locked	tokala,	07-Jan-2022	17:54
422A0627.D	Data Locked	tokala,	07-Jan-2022	17:54
422A0628.D	Data Locked	tokala,	07-Jan-2022	17:54
422A0629.D	Data Locked	tokala,	07-Jan-2022	17:54
422A0630.D	Data Locked	tokala,	07-Jan-2022	17:54
422A0631.D	Data Locked	tokala,	07-Jan-2022	17:54
422A0632.D	Data Locked	tokala,	07-Jan-2022	17:54
422A0633.D	Data Locked	tokala,	07-Jan-2022	17:54
422A0634.D	Data Locked	tokala,	07-Jan-2022	17:54
422A0635.D	Data Locked	tokala,	07-Jan-2022	17:54
422A0636.D	Data Locked	tokala,	07-Jan-2022	17:54
422A0637.D	Data Locked	tokala,	07-Jan-2022	17:54
422A0638.D	Data Locked	tokala,	07-Jan-2022	17:54
422A0639.D	Data Locked	tokala,	07-Jan-2022	17:54
422A0640.D	Data Locked	tokala,	07-Jan-2022	17:54

ARI Labs, Inc.
RETENTION TIME SUMMARY REPORT

Method File: \\target\share\chem2\fid4a.i\20220106.b\FID4TPH.m
Batch File: \\target\share\chem2\fid4a.i\20220106.b
Inst ID: fid4a.i

Motor Oil RT Study

ID:	RT01	RT02	RT03	RT04	RT05	RT06
FILENAME:	422A0626	422A0627	422A0628	422A0629	422A0630	422A0631
INJ. DATE:	06-JAN-2022	06-JAN-2022	06-JAN-2022	06-JAN-2022	06-JAN-2022	06-JAN-2022
INJ. TIME:	19:03	19:23	19:43	20:02	20:22	20:42

Compound	RT01	RT02	RT03	RT04	RT05	RT06	EXPEC RT	RT WINDOW	AVG RT	STD DEV
1 Toluene	1.401	1.414	1.425	1.424	1.424	1.425	1.413	1.313-1.513	1.419	0.010
38 NewCpnd_31	+++++	+++++	+++++	+++++	+++++	+++++	1.000	0.950-1.050	+++++	+++++
35 Mineral Oil	+++++	+++++	+++++	+++++	+++++	+++++	1.015	0.965-1.065	+++++	+++++
41 Mineral Spirits	+++++	+++++	+++++	+++++	+++++	+++++	1.000	0.950-1.050	+++++	+++++
2 C8	1.567	1.564	1.561	1.566	1.577	1.567	1.566	1.466-1.666	1.567	0.005
3 C10	2.807	2.795	2.810	2.796	2.794	2.794	2.801	2.751-2.851	2.799	0.007
4 C12	3.854	3.863	3.860	3.854	3.853	3.854	3.859	3.809-3.909	3.856	0.004
5 C14	4.672	4.668	4.668	4.666	4.669	4.664	4.668	4.618-4.718	4.668	0.003
6 C16	5.358	5.359	5.360	5.356	5.356	5.354	5.356	5.306-5.406	5.357	0.002
7 C18	5.971	5.972	5.970	5.974	5.970	5.968	5.972	5.922-6.022	5.971	0.002
8 o-terph	6.165	6.174	6.163	6.165	6.165	6.164	6.167	6.117-6.217	6.166	0.004
9 C20	6.561	6.563	6.561	6.560	6.559	6.559	6.560	6.510-6.610	6.561	0.002
10 C22	7.144	7.145	7.143	7.144	7.144	7.142	7.141	7.091-7.191	7.143	0.001
11 C24	7.709	7.710	7.705	7.706	7.713	7.708	7.709	7.659-7.759	7.708	0.003
12 C25	7.981	7.985	7.987	7.986	7.984	7.986	7.986	7.936-8.036	7.985	0.002
13 C26	8.253	8.254	8.255	8.247	8.259	8.255	8.257	8.207-8.307	8.254	0.004
14 C28	8.780	8.776	8.780	8.782	8.775	8.772	8.775	8.725-8.825	8.778	0.004

Reviewer 1 _____ Date: _____
Reviewer 2 _____ Date: _____

ARI Labs, Inc.
RETENTION TIME SUMMARY REPORT

Method File: \\target\share\chem2\fid4a.i\20220106.b\FID4TPH.m
 Batch File: \\target\share\chem2\fid4a.i\20220106.b
 Inst ID: fid4a.i

Compound	RT01	RT02	RT03	RT04	RT05	RT06	EXPEC RT	RT WINDOW	AVG RT	STD DEV
15 Triacon Surr	9.260	9.263	9.269	9.277	9.296	9.319	9.290	9.240-9.340	9.281	0.022
16 C32	9.725	9.726	9.731	9.731	9.731	9.734	9.730	9.680-9.780	9.730	0.004
17 C34	10.169	10.164	10.171	10.167	10.171	10.170	10.167	10.117-10.217	10.169	0.003
18 Filter Peak	13.974	13.970	13.970	13.976	13.973	13.976	13.973	13.873-14.073	13.973	0.002
19 C36	10.580	10.578	10.577	10.587	10.580	10.579	10.581	10.531-10.631	10.580	0.004
20 C38	10.985	10.990	10.987	10.988	10.995	10.994	10.989	10.939-11.039	10.990	0.004
21 C40	11.462	11.459	11.459	11.461	11.461	11.457	11.460	11.410-11.510	11.460	0.002
29 NW Diesel	+++++	+++++	+++++	+++++	+++++	+++++	0.899	0.849-0.949	+++++	+++++
37 ACreosote	+++++	+++++	+++++	+++++	+++++	+++++	1.000	0.950-1.050	+++++	+++++
34 Jet A	+++++	+++++	+++++	+++++	+++++	+++++	1.024	0.974-1.074	+++++	+++++
30 NW Moil	+++++	+++++	+++++	+++++	+++++	+++++	0.885	0.835-0.935	+++++	+++++
31 NW AK102	+++++	+++++	+++++	+++++	+++++	+++++	0.803	0.753-0.853	+++++	+++++
32 Bunker C	+++++	+++++	+++++	+++++	+++++	+++++	0.812	0.762-0.862	+++++	+++++
33 AK103	+++++	+++++	+++++	+++++	+++++	+++++	1.344	1.294-1.394	+++++	+++++
36 ABunker C	+++++	+++++	+++++	+++++	+++++	+++++	0.985	0.935-1.035	+++++	+++++
39 OR Diesel	+++++	+++++	+++++	+++++	+++++	+++++	1.000	0.950-1.050	+++++	+++++
40 NAS Diesel	+++++	+++++	+++++	+++++	+++++	+++++	1.000	0.950-1.050	+++++	+++++

ARI Labs, Inc.
RETENTION TIME SUMMARY REPORT

Method File: \\target\share\chem2\fid4a.i\20220106.b\FID4TPH.m
Batch File: \\target\share\chem2\fid4a.i\20220106.b
Inst ID: fid4a.i

AK103 RT Study

ID: RT01 RT02 RT03 RT04 RT05 RT06
FILENAME: 422A0634 422A0635 422A0636 422A0637 422A0638 422A0639
INJ. DATE: 06-JAN-2022 06-JAN-2022 06-JAN-2022 06-JAN-2022 06-JAN-2022 06-JAN-2022
INJ. TIME: 21:41 22:01 22:21 22:40 23:00 23:20

Compound	RT01	RT02	RT03	RT04	RT05	RT06	EXPEC RT	RT WINDOW	AVG RT	STD DEV
1 Toluene	1.400	1.403	1.402	1.400	1.399	1.400	1.413	1.313-1.513	1.401	0.001
38 NewCpnd_31	+++++	+++++	+++++	+++++	+++++	+++++	1.000	0.950-1.050	+++++	+++++
35 Mineral Oil	+++++	+++++	+++++	+++++	+++++	+++++	1.015	0.965-1.065	+++++	+++++
41 Mineral Spirits	+++++	+++++	+++++	+++++	+++++	+++++	1.000	0.950-1.050	+++++	+++++
2 C8	1.567	1.577	1.588	1.564	1.550	1.565	1.566	1.466-1.666	1.569	0.013
3 C10	2.800	2.808	2.808	2.793	2.793	2.792	2.801	2.751-2.851	2.799	0.008
4 C12	3.855	3.853	3.855	3.854	3.853	3.854	3.859	3.809-3.909	3.854	0.001
5 C14	4.670	4.667	4.670	4.668	4.669	4.668	4.668	4.618-4.718	4.668	0.001
6 C16	5.362	5.354	5.353	5.372	5.356	5.354	5.356	5.306-5.406	5.358	0.007
7 C18	5.964	5.975	5.970	5.973	5.969	5.967	5.972	5.922-6.022	5.970	0.004
8 o-terph	6.172	6.163	6.163	6.163	6.163	6.164	6.167	6.117-6.217	6.165	0.004
9 C20	6.560	6.558	6.558	6.562	6.557	6.555	6.560	6.510-6.610	6.558	0.002
10 C22	7.140	7.143	7.146	7.139	7.144	7.142	7.141	7.091-7.191	7.142	0.002
11 C24	7.705	7.703	7.711	7.706	7.707	7.709	7.709	7.659-7.759	7.707	0.003
12 C25	7.990	7.988	7.988	7.990	7.982	7.977	7.986	7.936-8.036	7.986	0.005
13 C26	8.258	8.253	8.250	8.260	8.254	8.259	8.257	8.207-8.307	8.256	0.004
14 C28	8.770	8.767	8.778	8.772	8.776	8.777	8.775	8.725-8.825	8.773	0.004

Reviewer 1 _____ Date: _____
Reviewer 2 _____ Date: _____

ARI Labs, Inc.
RETENTION TIME SUMMARY REPORT

Method File: \\target\share\chem2\fid4a.i\20220106.b\FID4TPH.m
 Batch File: \\target\share\chem2\fid4a.i\20220106.b
 Inst ID: fid4a.i

Compound	RT01	RT02	RT03	RT04	RT05	RT06	EXPEC RT	RT WINDOW	AVG RT	STD DEV
15 Triacon Surr	9.262	9.264	9.268	9.276	9.294	9.316	9.290	9.240-9.340	9.280	0.021
16 C32	9.727	9.733	9.727	9.728	9.737	9.730	9.730	9.680-9.780	9.730	0.004
17 C34	10.166	10.167	10.168	10.168	10.167	10.169	10.167	10.117-10.217	10.168	0.001
18 Filter Peak	13.971	13.973	13.971	13.971	13.972	13.974	13.973	13.873-14.073	13.972	0.001
19 C36	10.585	10.578	10.583	10.581	10.582	10.583	10.581	10.531-10.631	10.582	0.002
20 C38	10.986	10.983	10.988	10.990	10.991	10.992	10.989	10.939-11.039	10.988	0.003
21 C40	11.466	11.462	11.463	11.460	11.462	11.459	11.460	11.410-11.510	11.462	0.002
29 NW Diesel	+++++	+++++	+++++	+++++	+++++	+++++	0.899	0.849-0.949	+++++	+++++
37 ACreosote	+++++	+++++	+++++	+++++	+++++	+++++	1.000	0.950-1.050	+++++	+++++
34 Jet A	+++++	+++++	+++++	+++++	+++++	+++++	1.024	0.974-1.074	+++++	+++++
30 NW Moil	+++++	+++++	+++++	+++++	+++++	+++++	0.885	0.835-0.935	+++++	+++++
31 NW AK102	+++++	+++++	+++++	+++++	+++++	+++++	0.803	0.753-0.853	+++++	+++++
32 Bunker C	+++++	+++++	+++++	+++++	+++++	+++++	0.812	0.762-0.862	+++++	+++++
33 AK103	+++++	+++++	+++++	+++++	+++++	+++++	1.344	1.294-1.394	+++++	+++++
36 ABunker C	+++++	+++++	+++++	+++++	+++++	+++++	0.985	0.935-1.035	+++++	+++++
39 OR Diesel	+++++	+++++	+++++	+++++	+++++	+++++	1.000	0.950-1.050	+++++	+++++
40 NAS Diesel	+++++	+++++	+++++	+++++	+++++	+++++	1.000	0.950-1.050	+++++	+++++



ANALYSIS SEQUENCE

SKA0208

Instrument: FID4
Calibration ID: FA00054

Printed: 1/31/2022 12:44:05PM

Lab Number	Analysis	Container	Order	Position	STD ID	ISTD ID	Client	Comments
SKA0208-IBL1	QC		1		J002430			
SKA0208-IBL2	QC		2		J012751			
SKA0208-CAL1	QC		3		K000192			
SKA0208-CAL2	QC		4		K000193			
SKA0208-CAL3	QC		5		K000194			
SKA0208-CAL4	QC		6		K000195			
SKA0208-CAL5	QC		7		K000196			
SKA0208-CAL6	QC		8		J012752			
SKA0208-SCV1	QC		9		J009677			

Samples Loaded By _____ Date _____ Data Processed By _____ Date _____

GC LOG SUMMARY FOR DATABATCH - \\target\share\chem2\fid4a.i\20220120.b

	Inject	Date/Time	Filename	DF	LabID	ClientID
1	20-JAN-2022	10:32	422A2001.D	1	RINSE	
2	20-JAN-2022	10:51	422A2002.D	1	RINSE	
3	20-JAN-2022	11:11	422A2003.D	1	SKA0208-IBL1	
4	20-JAN-2022	11:31	422A2004.D	1	SKA0208-IBL2	
5	20-JAN-2022	11:51	422A2005.D	1	SKA0208-CAL1	
6	20-JAN-2022	12:11	422A2006.D	1	SKA0208-CAL2	
7	20-JAN-2022	12:30	422A2007.D	1	SKA0208-CAL3	
8	20-JAN-2022	12:50	422A2008.D	1	SKA0208-CAL4	
9	20-JAN-2022	13:10	422A2009.D	1	SKA0208-CAL5	
10	20-JAN-2022	13:30	422A2010.D	1	SKA0208-CAL6	
11	20-JAN-2022	13:50	422A2011.D	1	SKA0208-SCV1	

MANUAL INTEGRATION SUMMARY FOR DATABATCH - \\target\share\chem2\fid4a.i\20220120.b

ARI Job No.: RINS Method: FID4TPH.m Instrument: fid4a.i Date: 20-JAN-2022

Time	Filename	LabID	ClientID	DF	Manually Integrated Compounds
1032	422A2001.D	RINSE		1	NO MANUAL INTEGRATION
1051	422A2002.D	RINSE		1	NO MANUAL INTEGRATION
1111	422A2003.D	SKA0208-IBL1		1	NO MANUAL INTEGRATION
1131	422A2004.D	SKA0208-IBL2		1	NO MANUAL INTEGRATION
1151	422A2005.D	SKA0208-CAL1		1	o-terph,
1211	422A2006.D	SKA0208-CAL2		1	o-terph,
1230	422A2007.D	SKA0208-CAL3		1	o-terph,
1250	422A2008.D	SKA0208-CAL4		1	o-terph,
1310	422A2009.D	SKA0208-CAL5		1	o-terph,
1330	422A2010.D	SKA0208-CAL6		1	o-terph,
1350	422A2011.D	SKA0208-SCV1		1	NO MANUAL INTEGRATION

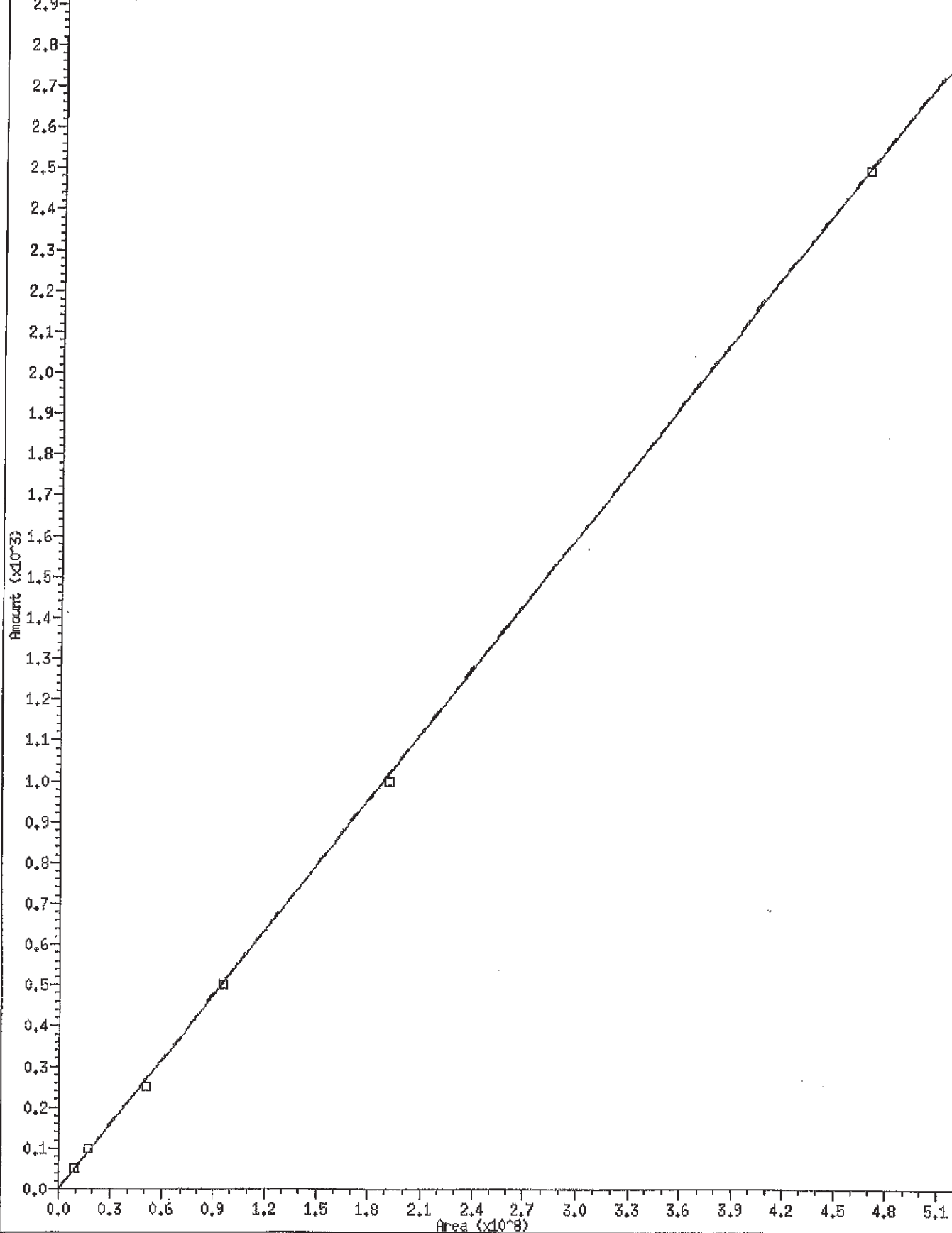
Security Status Report

Date: 31-Jan-2022 12:44

422A2001.D	Data Locked	victoria,	21-Jan-2022	13:24
422A2002.D	Data Locked	victoria,	21-Jan-2022	13:24
422A2003.D	Data Locked	victoria,	21-Jan-2022	13:24
422A2004.D	Data Locked	victoria,	21-Jan-2022	13:24
422A2005.D	Data Locked	victoria,	21-Jan-2022	13:24
422A2006.D	Data Locked	victoria,	21-Jan-2022	13:24
422A2007.D	Data Locked	victoria,	21-Jan-2022	13:24
422A2008.D	Data Locked	victoria,	21-Jan-2022	13:24
422A2009.D	Data Locked	victoria,	21-Jan-2022	13:24
422A2010.D	Data Locked	victoria,	21-Jan-2022	13:24
422A2011.D	Data Locked	victoria,	28-Jan-2022	13:52

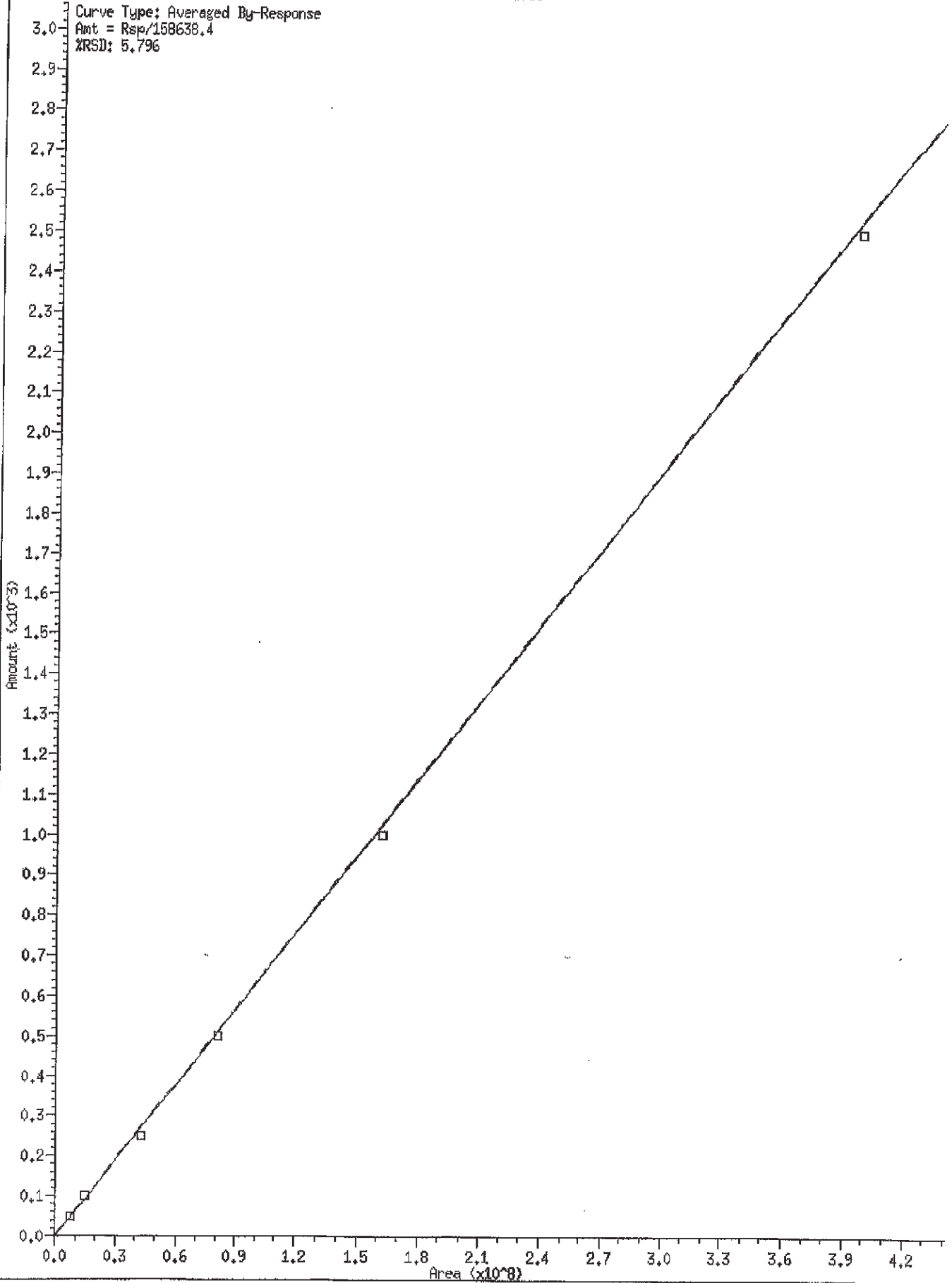
40 NAS Diesel

Curve Type: Averaged By-Response
Amt = Rsp/188673.2
%RSD: 5.317



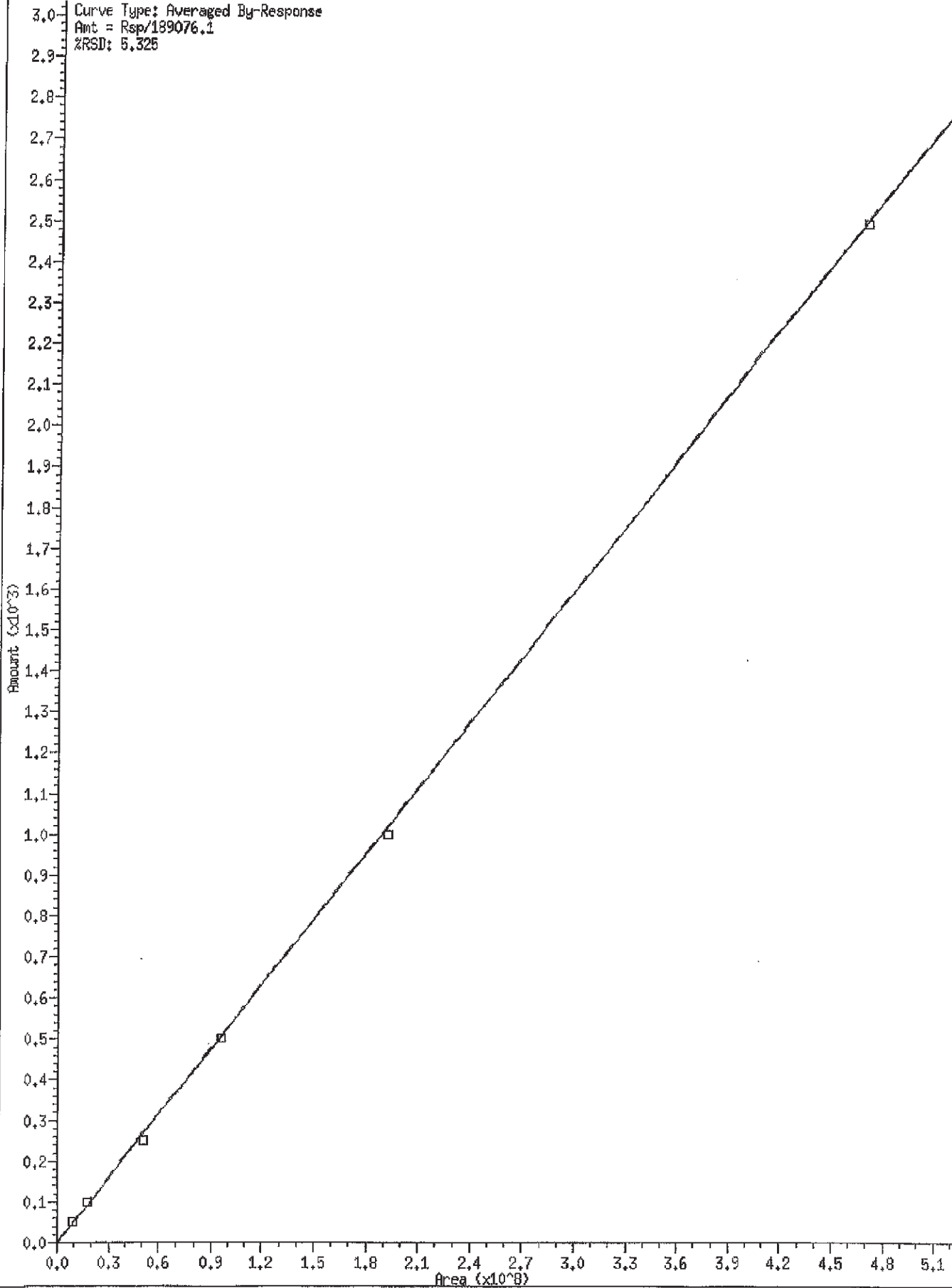
29 NW Diesel

Curve Type: Averaged By-Response
Amt = Resp/158638.4
%RSD: 5.796



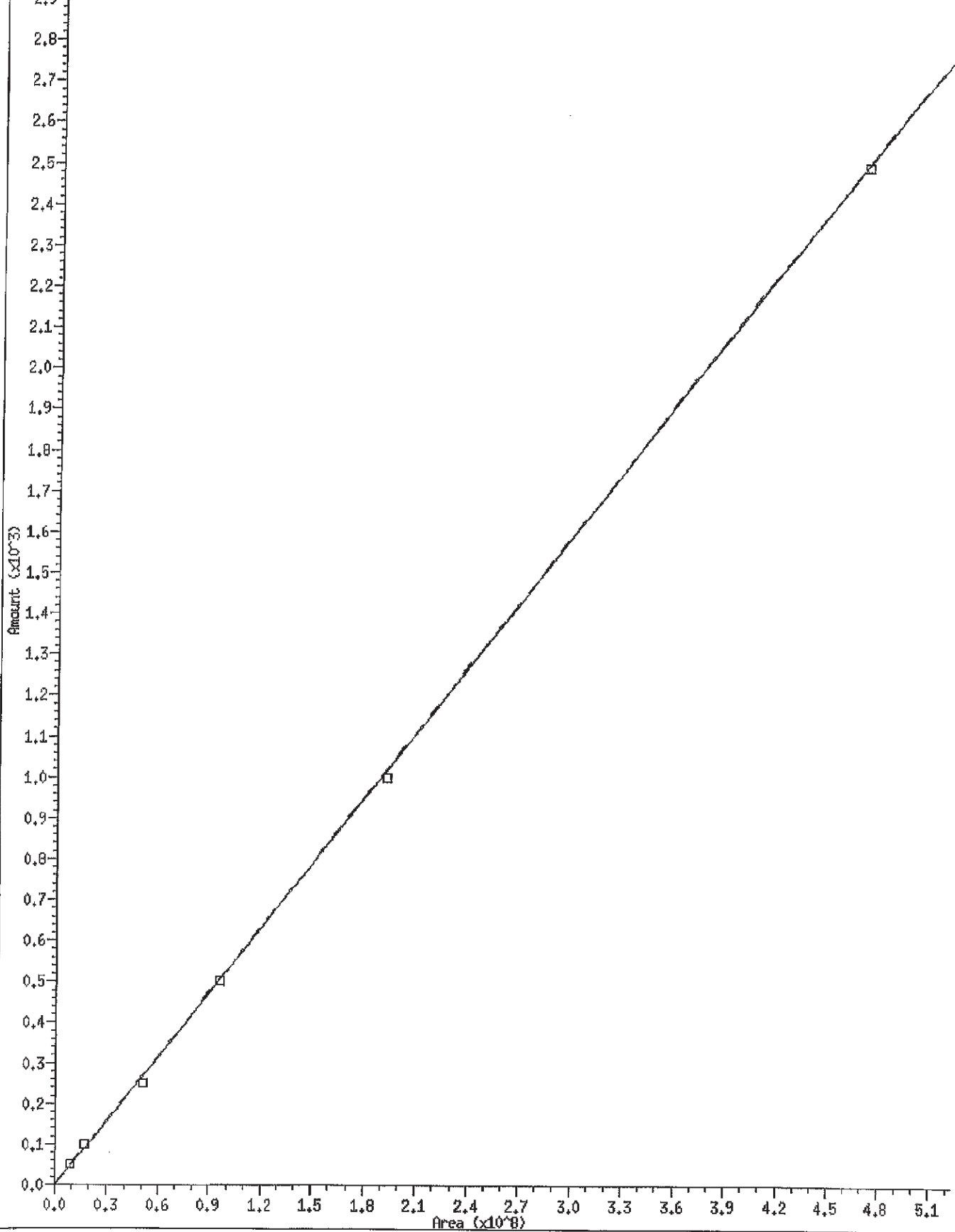
31 NW AK102

Curve Type: Averaged By-Response
Amt = Rsp/189076.1
%RSD: 5.325



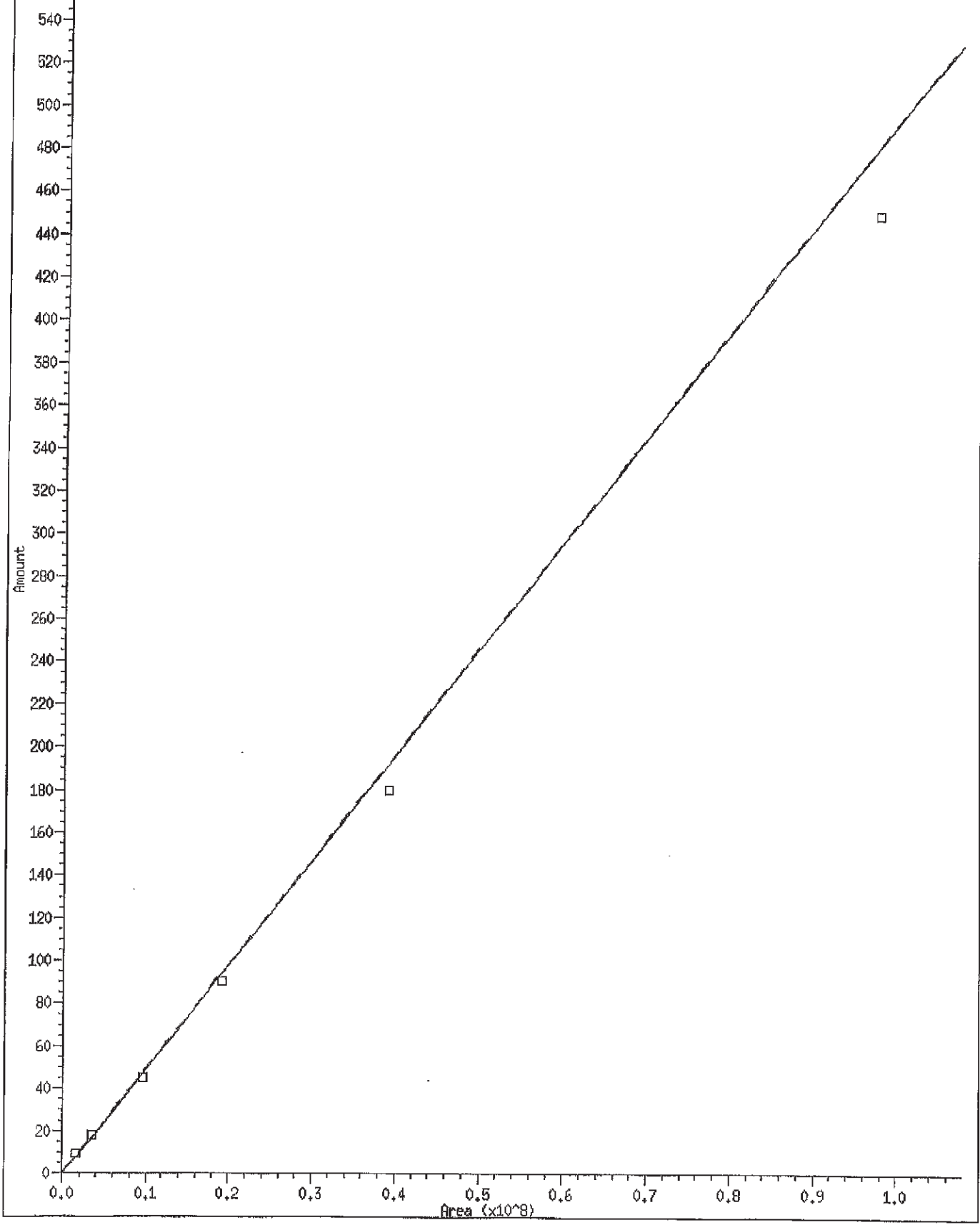
39 OR Diesel

Curve Type: Averaged By-Response
Amt = Rsp/189743
%RSD: 5,249



* 8 o-terph

Curve Type: Averaged By-Response
Amt = Rep/203634.1
%RSD: 9.902



ARI Labs, Inc.
RETENTION TIME SUMMARY REPORT

Method File: \\target\share\chem2\fid4a.i\20220120.b\FID4TPH.m
Batch File: \\target\share\chem2\fid4a.i\20220120.b
Inst ID: fid4a.i

ID: RT01 RT02 RT03 RT04 RT05 RT06 RT07 RT08
FILENAME: 422A2003 422A2004 422A2005 422A2006 422A2007 422A2008 422A2009 422A2010
INJ.DATE: 20-JAN-2022 20-JAN-2022 20-JAN-2022 20-JAN-2022 20-JAN-2022 20-JAN-2022 20-JAN-2022 20-JAN-2022
INJ.TIME: 11:11 11:31 11:51 12:11 12:30 12:50 13:10 13:30

Compound	RT01	RT02	RT03	RT04	RT05	RT06	RT07	RT08	EXPEC RTI	RT WINDOW	AVG RT	STD DEV
1 Toluene	1.395	1.389	1.389	1.400	1.389	1.389	1.389	1.394	1.395	1.295-1.495	1.392	0.004
38 NewCpd_31	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	1.000	0.950-1.050	+++++	+++++
35 Mineral Oil	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	1.015	0.965-1.065	+++++	+++++
41 Mineral Spirits	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	1.000	0.950-1.050	+++++	+++++
2 C8	1.543	1.540	1.535	1.552	1.536	1.536	1.536	1.542	1.543	1.443-1.643	1.540	0.006
3 C10	2.787	2.783	2.783	2.783	2.783	2.783	2.784	2.786	2.787	2.737-2.837	2.784	0.002
4 C12	3.848	3.848	3.844	3.845	3.844	3.845	3.847	3.851	3.848	3.798-3.898	3.847	0.003
5 C14	4.657	4.657	4.653	4.654	4.654	4.655	4.658	4.664	4.657	4.607-4.707	4.657	0.003
6 C16	5.345	5.347	5.340	5.341	5.342	5.344	5.347	5.355	5.345	5.295-5.395	5.345	0.005
7 C18	5.962	5.956	5.954	5.956	5.958	5.960	5.965	5.975	5.962	5.912-6.012	5.961	0.007
8 o-terph	6.155	6.154	6.133	6.137	6.146	6.154	6.165	6.191	6.155	6.105-6.205	6.154	0.018
9 C20	6.548	6.545	6.543	6.542	6.543	6.543	6.545	6.551	6.548	6.498-6.598	6.545	0.003
10 C22	7.130	7.128	7.123	7.123	7.123	7.123	7.124	7.127	7.130	7.080-7.180	7.125	0.003
11 C24	7.697	7.695	7.695	7.694	7.691	7.690	7.690	7.691	7.697	7.647-7.747	7.693	0.003
12 C25	7.974	7.976	7.972	7.970	7.968	7.968	7.967	7.966	7.974	7.924-8.024	7.970	0.004
13 C26	8.244	8.243	8.242	8.244	8.240	8.238	8.237	8.236	8.244	8.194-8.294	8.241	0.003
14 C28	8.763	8.757	8.764	8.765	8.765	8.759	8.767	8.756	8.763	8.713-8.813	8.762	0.004

Reviewer 1 _____ Date: _____
Reviewer 2 _____ Date: _____

ARI Labs, Inc.
RETENTION TIME SUMMARY REPORT

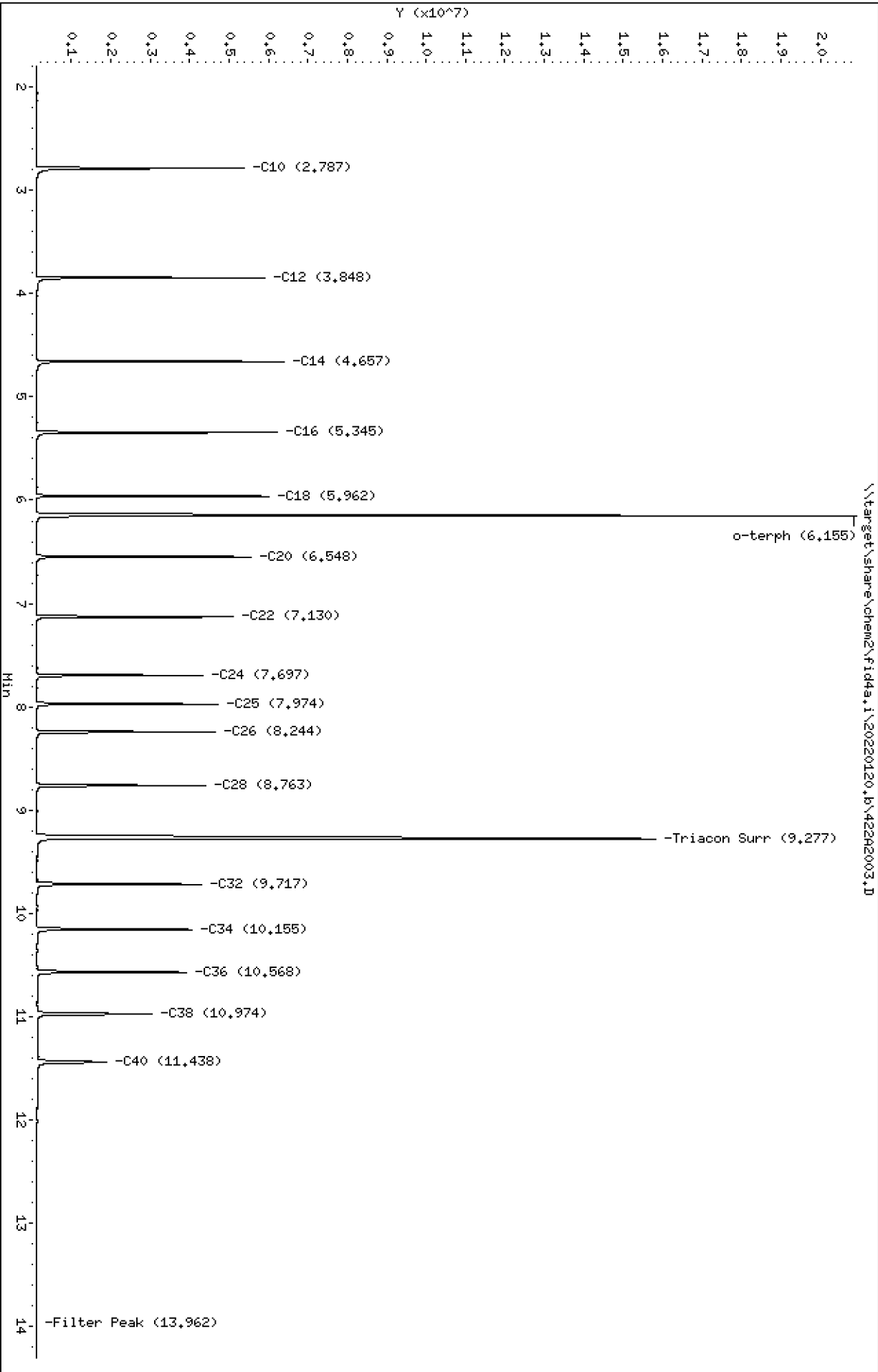
Method File: \\target\share\chem2\fid4a.i\20220120.b\FID4TPH.m
Batch File: \\target\share\chem2\fid4a.i\20220120.b
Inst ID: fid4a.i

Compound	RT01	RT02	RT03	RT04	RT05	RT06	RT07	RT08	EXEC RT	RT WINDOW	AVG RT	STD DEV
\$ 15 Triacoh Surr	9.277	9.273	9.273	9.280	9.275	9.286	9.266	9.273	9.277	9.227-9.327	9.276	0.006
16 C32	9.717	9.711	9.713	9.720	9.711	9.709	9.718	9.706	9.717	9.667-9.767	9.713	0.005
17 C34	10.155	10.156	10.147	10.153	10.158	10.154	10.156	10.161	10.155	10.105-10.205	10.155	0.004
18 Filter Peak	13.962	13.962	13.963	13.963	13.962	13.960	13.960	13.961	13.962	13.862-14.062	13.962	0.001
19 C36	10.568	10.567	10.572	10.567	10.567	10.573	10.563	10.567	10.568	10.518-10.618	10.568	0.003
20 C38	10.974	10.980	10.978	10.975	10.973	10.970	10.975	10.978	10.974	10.924-11.024	10.975	0.003
21 C40	11.438	11.438	11.441	11.440	11.441	11.434	11.439	11.440	11.438	11.388-11.488	11.439	0.002
29 NW Diesel	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	0.899	0.849-0.949	+++++	+++++
37 ACresote	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	1.000	0.950-1.050	+++++	+++++
34 Jet A	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	1.024	0.974-1.074	+++++	+++++
30 NW Moil	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	0.885	0.835-0.935	+++++	+++++
31 NW AK102	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	0.803	0.753-0.853	+++++	+++++
32 Bunker C	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	0.812	0.762-0.862	+++++	+++++
33 AK103	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	1.344	1.294-1.394	+++++	+++++
36 ABunker C	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	0.985	0.935-1.035	+++++	+++++
39 OR Diesel	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	1.000	0.950-1.050	+++++	+++++
40 NAS Diesel	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	1.000	0.950-1.050	+++++	+++++

Data File: \\target\share\chem2\fid4a,1\20220120,8\42282003.D
Date: 20-JAN-2022 11:11
Client ID:
Sample Info: SKR0208-IBL1

Column phase: RTX-1

Instrument: fid4a,1
Operator: WLB
Column diameter: 0.25



Analytical Resources Inc.
TPH Quantitation Report

Data file: 20220120.b/422A2003.D
Method: 20220120.b\FID4TPH.m
Instrument: fid4a.i, VLB
Report Date: 02/09/2022
Macro: 09-SEP-2019
Calibration Dates: Gas:XX-XXX-XXXX Diesel:20-JAN-2022 M.Oil:06-JAN-2022

ARI ID: SKA0208-IBL1
Client ID:
Injection: 20-JAN-2022 11:11
Dilution Factor: 1
RT Std: 422A2003.D

FID:4A RESULTS

Compound	RT	Shift	Height	Area	Method	Range	Total Area	Conc (mg/L)
C8	1.543	0.000	5560015	3947616	WATPHD	(C12-C24)	23617052	148.9
C10	2.787	0.000	5257595	4154719	WATPHM	(C24-C38)	27587850	208.1
C12	3.848	0.000	5795256	4012752	AK102	(C10-C25)	32327943	171.0
C14	4.657	0.000	6275090	3977443	AK103	(C25-C36)	23810222	240.7
C16	5.345	0.000	6103254	3896081	OR.DIES	(C10-C28)	43679867	230.2
C18	5.962	0.000	5903807	3840006				
C20	6.548	0.000	5462588	3811770				
C22	7.130	0.000	4979358	3790620				
C24	7.697	0.000	4232069	3304139				
C25	7.974	0.000	4626242	3678752				
C26	8.244	0.000	4539215	3752840				
C28	8.763	0.000	4290214	3737829				
C32	9.717	0.000	4178760	3963601				
C34	10.155	0.000	3931080	3725805				
Filter Peak	13.962	0.000	15777	8644				
C36	10.568	0.000	3821518	3732386				
C38	10.974	0.000	2949989	3352397				
C40	11.438	0.000	1790104	2604261				
o-terph	6.155	0.000	20813166	20730774				
Triacon Surr	9.277	0.000	15699693	21934844	NAS DIES	(C10-C24)	32260091	171.0

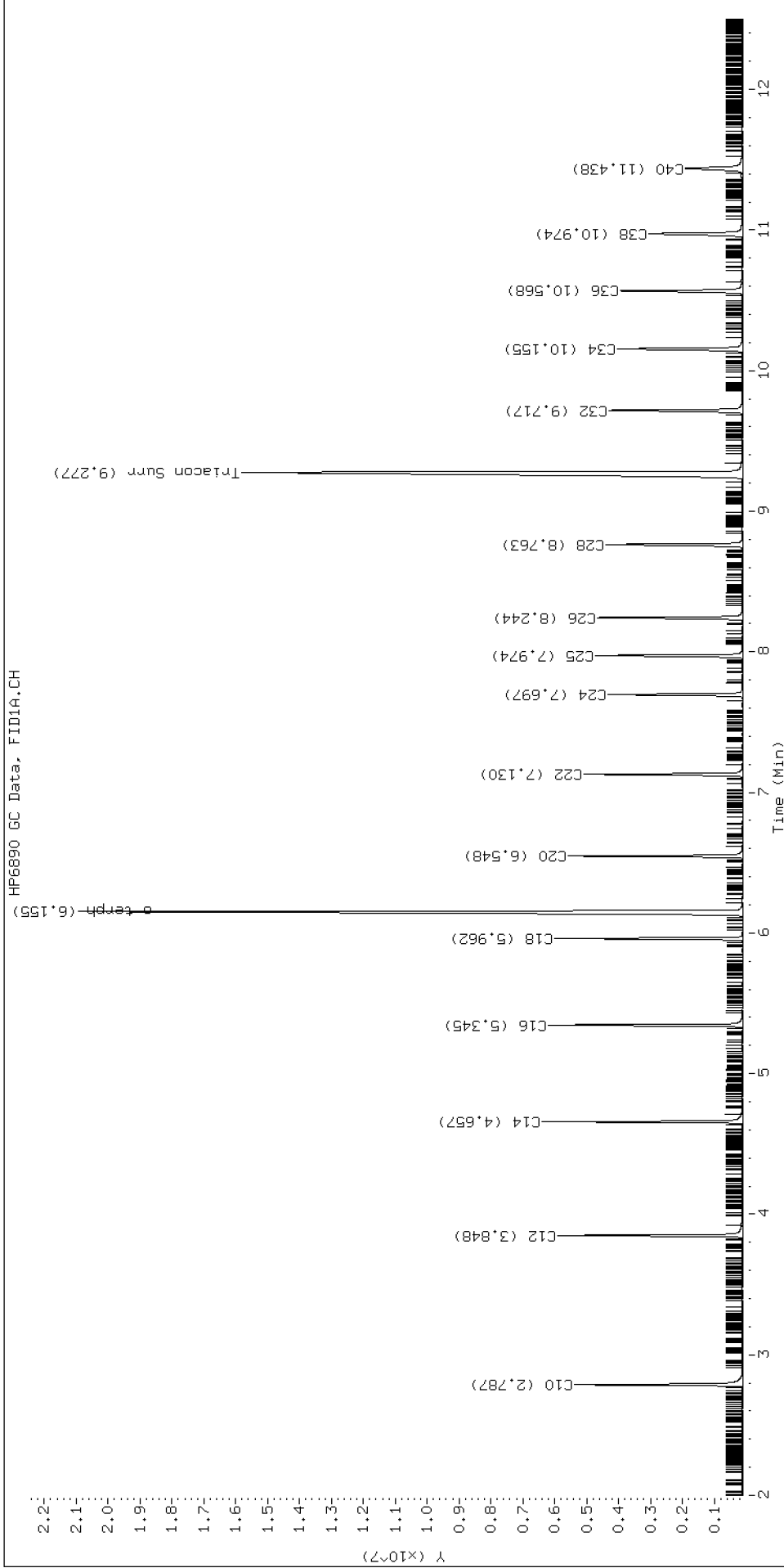
Range Times: NW Diesel(3.848 - 7.697) AK102(2.79 - 7.97) Jet A(2.79 - 5.96)
NW M.Oil(7.70 - 10.97) AK103(7.97 - 10.57) OR Diesel(2.79 - 8.76)

Surrogate	Area	Amount
o-Terphenyl	20730774	101.8
Triacontane	21934844	125.9

M Indicates the peak was manually integrated

Analyte	RF	Curve Date
o-Terph Surr	203634.1	
Triacon Surr	174221.0	
Gas	15000.0	XX-XXX-XXXX
Diesel	158638.4	20-JAN-2022
Motor Oil	132579.1	06-JAN-2022
AK102	189076.1	20-JAN-2022
AK103	98909.5	06-JAN-2022
OR Diesel	189743.0	20-JAN-2022
NAS Diesel	188673.2	20-JAN-2022

HP6890 GC Data, FID1A.CH



Data File: \\target\share\chem2\fid4a,1\20220120,8\42282004.D

Date: 20-JAN-2022 11:31

Client ID:

Sample Info: SKR0208-IBL2

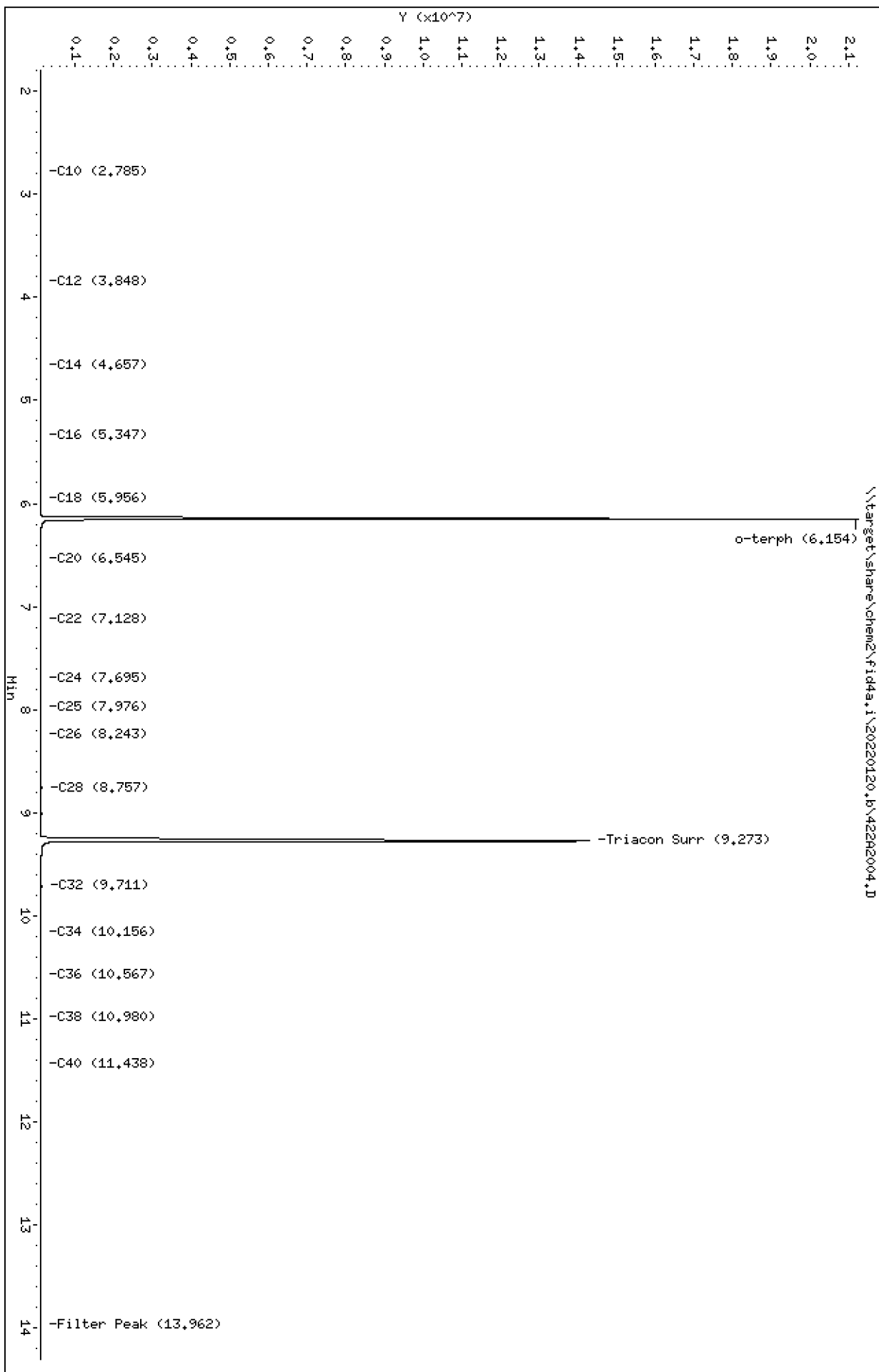
Column phase: RTX-1

Instrument: fid4a,1

Operator: WLB

Column diameter: 0.25

Page 1



Analytical Resources Inc.
TPH Quantitation Report

Data file: 20220120.b/422A2004.D
Method: 20220120.b\FID4TPH.m
Instrument: fid4a.i, VLB
Report Date: 02/09/2022
Macro: 09-SEP-2019
Calibration Dates: Gas:XX-XXX-XXXX Diesel:20-JAN-2022 M.Oil:06-JAN-2022

ARI ID: SKA0208-IBL2
Client ID:
Injection: 20-JAN-2022 11:31
Dilution Factor: 1
RT Std: 422A2003.D

FID:4A RESULTS

Compound	RT	Shift	Height	Area	Method	Range	Total Area	Conc (mg/L)
C8	1.540	-0.003	15479	14810	WATPHD	(C12-C24)	298978	1.9
C10	2.785	-0.003	1495	786	WATPHM	(C24-C38)	1251776	9.4
C12	3.848	-0.000	1344	663	AK102	(C10-C25)	392294	2.1
C14	4.657	-0.001	1157	339	AK103	(C25-C36)	955410	9.7
C16	5.347	0.002	1328	496	OR.DIES	(C10-C28)	565052	3.0
C18	5.956	-0.006	1363	1047				
C20	6.545	-0.003	1608	397				
C22	7.128	-0.002	2457	1762				
C24	7.695	-0.002	2125	1126				
C25	7.976	0.002	1991	477				
C26	8.243	-0.001	2719	3771				
C28	8.757	-0.007	38550	47130				
C32	9.711	-0.007	30192	67900				
C34	10.156	0.001	8378	4977				
Filter Peak	13.962	-0.001	7511	4039				
C36	10.567	-0.001	10258	2046				
C38	10.980	0.006	12853	4480				
C40	11.438	-0.000	14608	4362				
o-terph	6.154	-0.001	21141491	20862500				
Triacon Surr	9.273	-0.004	14181219	18420470	NAS DIES	(C10-C24)	374770	2.0

Range Times: NW Diesel(3.848 - 7.697) AK102(2.79 - 7.97) Jet A(2.79 - 5.96)
NW M.Oil(7.70 - 10.97) AK103(7.97 - 10.57) OR Diesel(2.79 - 8.76)

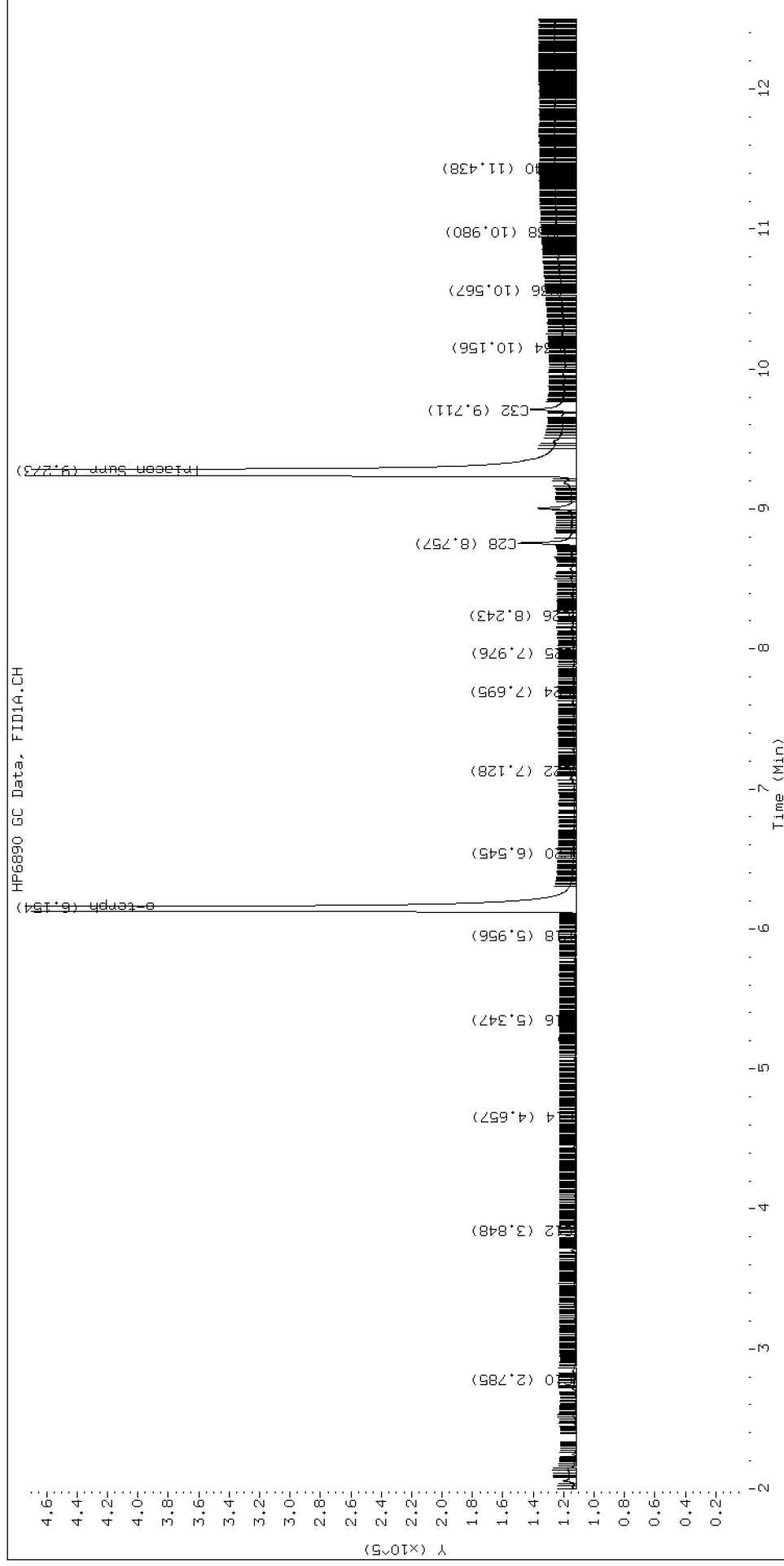
Surrogate	Area	Amount
o-Terphenyl	20862500	102.5
Triacontane	18420470	105.7

M Indicates the peak was manually integrated

Analyte	RF	Curve Date
o-Terph Surr	203634.1	
Triacon Surr	174221.0	
Gas	15000.0	XX-XXX-XXXX
Diesel	158638.4	20-JAN-2022
Motor Oil	132579.1	06-JAN-2022
AK102	189076.1	20-JAN-2022
AK103	98909.5	06-JAN-2022
OR Diesel	189743.0	20-JAN-2022
NAS Diesel	188673.2	20-JAN-2022

Datafile: FID4A, 20220120.b/422A2004.D

SKA0208-IBL2



Data File: \\target\share\chem2\fid4a,1\20220120,b\42282005.D

Date: 20-JAN-2022 11:51

Client ID:

Sample Info: SKR0208-CAL1

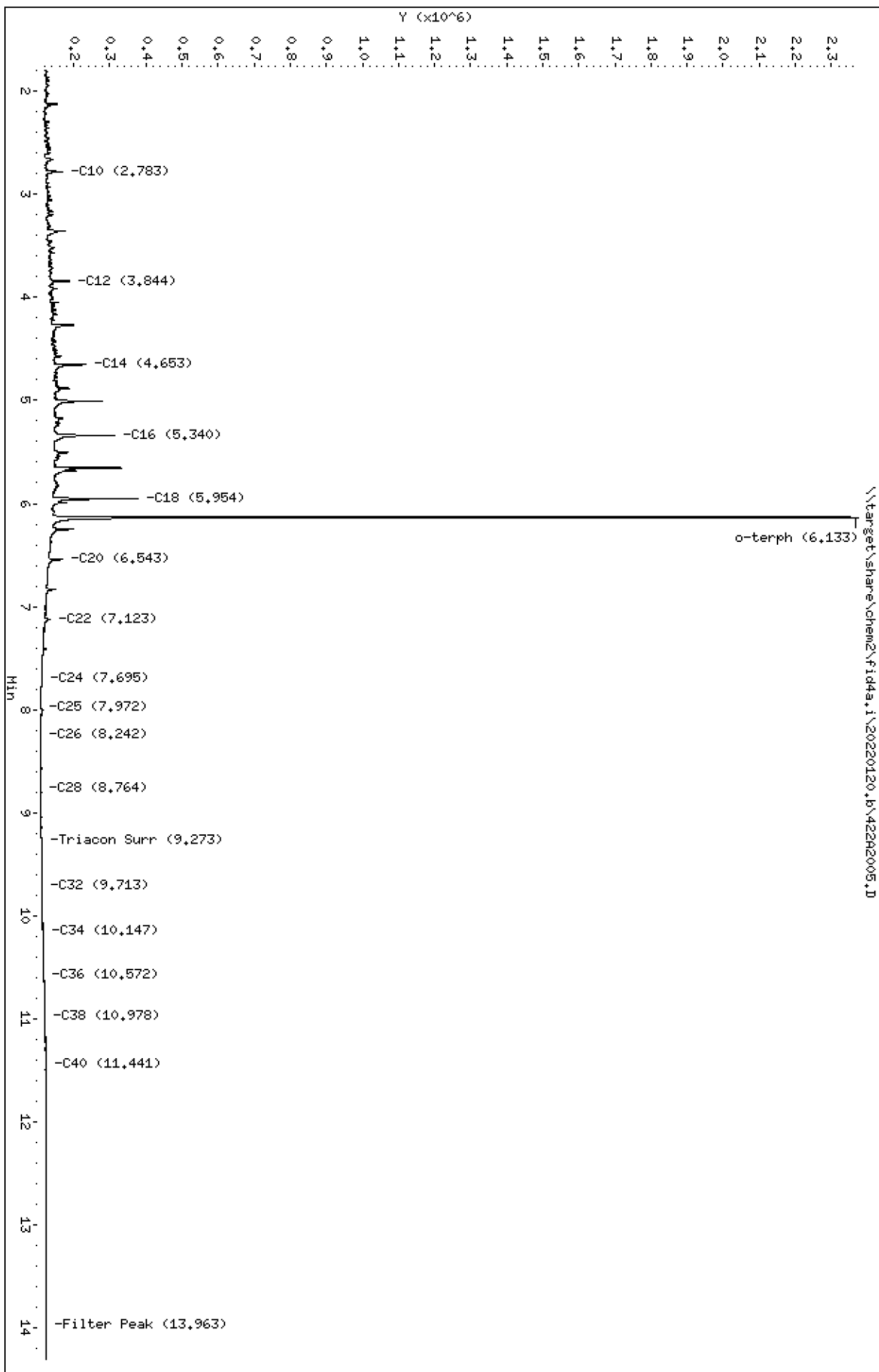
Column phase: RTX-1

Instrument: fid4a,1

Operator: WLB

Column diameter: 0.25

Page 1



Analytical Resources Inc.
TPH Quantitation Report

Data file: 20220120.b/422A2005.D
Method: 20220120.b\FID4TPH.m
Instrument: fid4a.i, VLB
Report Date: 02/09/2022
Macro: 09-SEP-2019
Calibration Dates: Gas:XX-XXX-XXXX Diesel:20-JAN-2022 M.Oil:06-JAN-2022

ARI ID: SKA0208-CAL1
Client ID:
Injection: 20-JAN-2022 11:51
Dilution Factor: 1
RT Std: 422A2003.D

FID:4A RESULTS

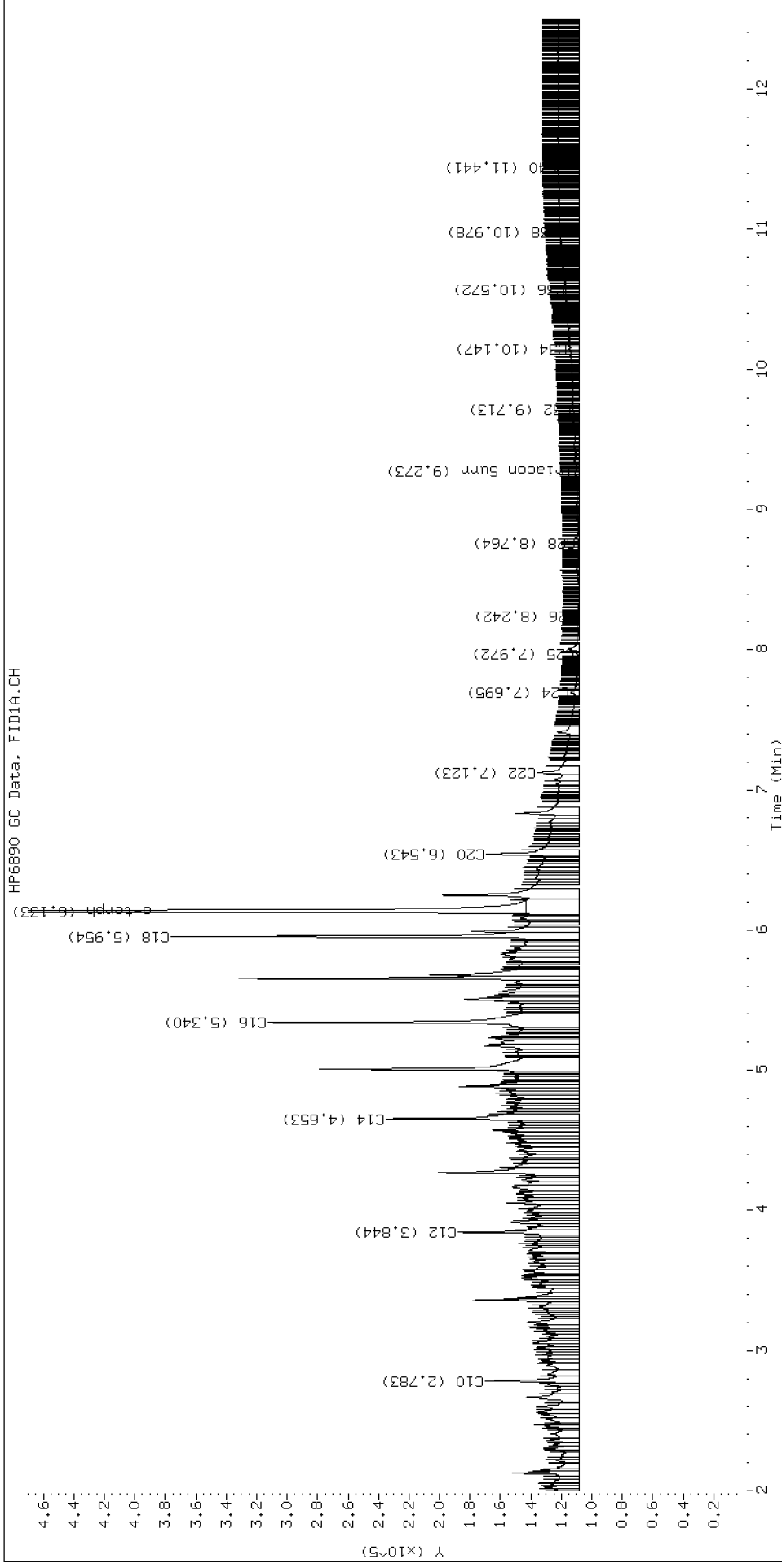
Compound	RT	Shift	Height	Area	Method	Range	Total Area	Conc (mg/L)
C8	1.535	-0.008	27708	30045	WATPHD	(C12-C24)	7444121	46.9
C10	2.783	-0.004	61539	83608	WATPHM	(C24-C38)	767210	5.8
C12	3.844	-0.004	79540	103209	AK102	(C10-C25)	9159711	48.4
C14	4.653	-0.004	126464	188042	AK103	(C25-C36)	482448	4.9
C16	5.340	-0.005	204117	392474	OR.DIES	(C10-C28)	9209141	48.5
C18	5.954	-0.007	268242	283820				
C20	6.543	-0.006	61351	95012				
C22	7.123	-0.007	27453	56580				
C24	7.695	-0.002	5379	8568				
C25	7.972	-0.002	1900	2385				
C26	8.242	-0.002	725	374				
C28	8.764	0.001	1235	294				
C32	9.713	-0.004	4459	4594				
C34	10.147	-0.008	7029	7616				
Filter Peak	13.963	0.000	14649	5098				
C36	10.572	0.003	8505	3791				
C38	10.978	0.003	12334	4290				
C40	11.441	0.003	13915	4805				
o-terph	6.133	-0.022	2231788	1499503				
Triacon Surr	9.273	-0.004	2529	1233	NAS DIES	(C10-C24)	9143618	48.5

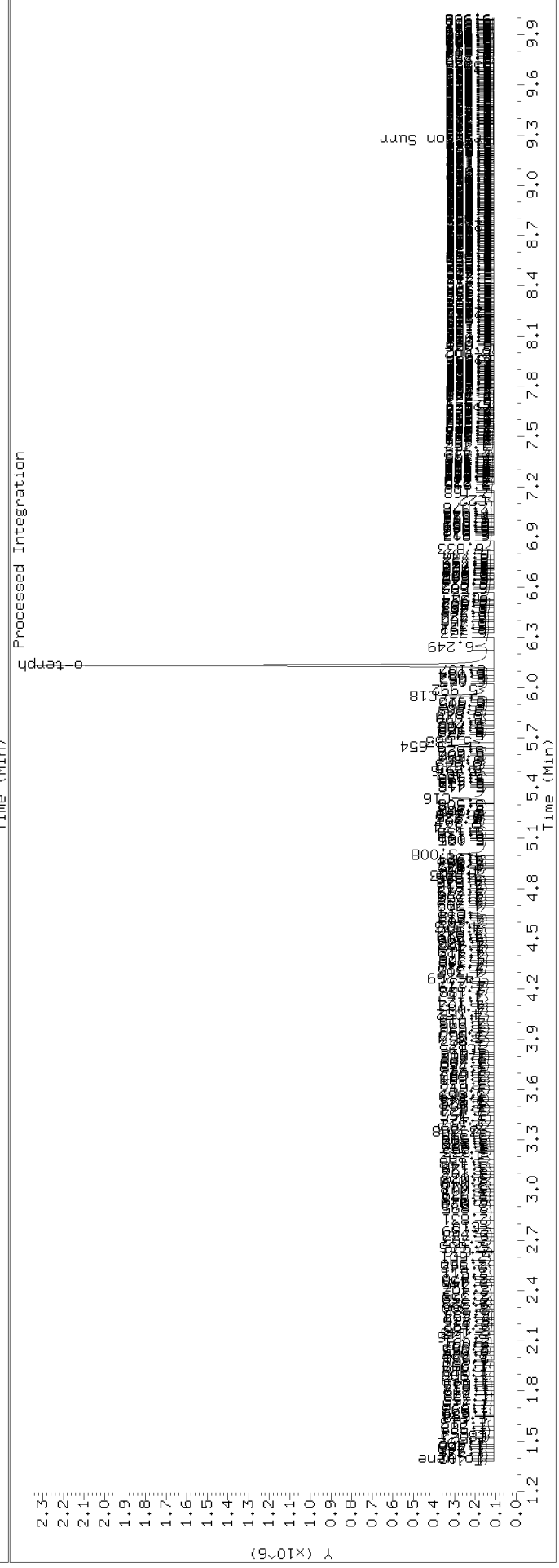
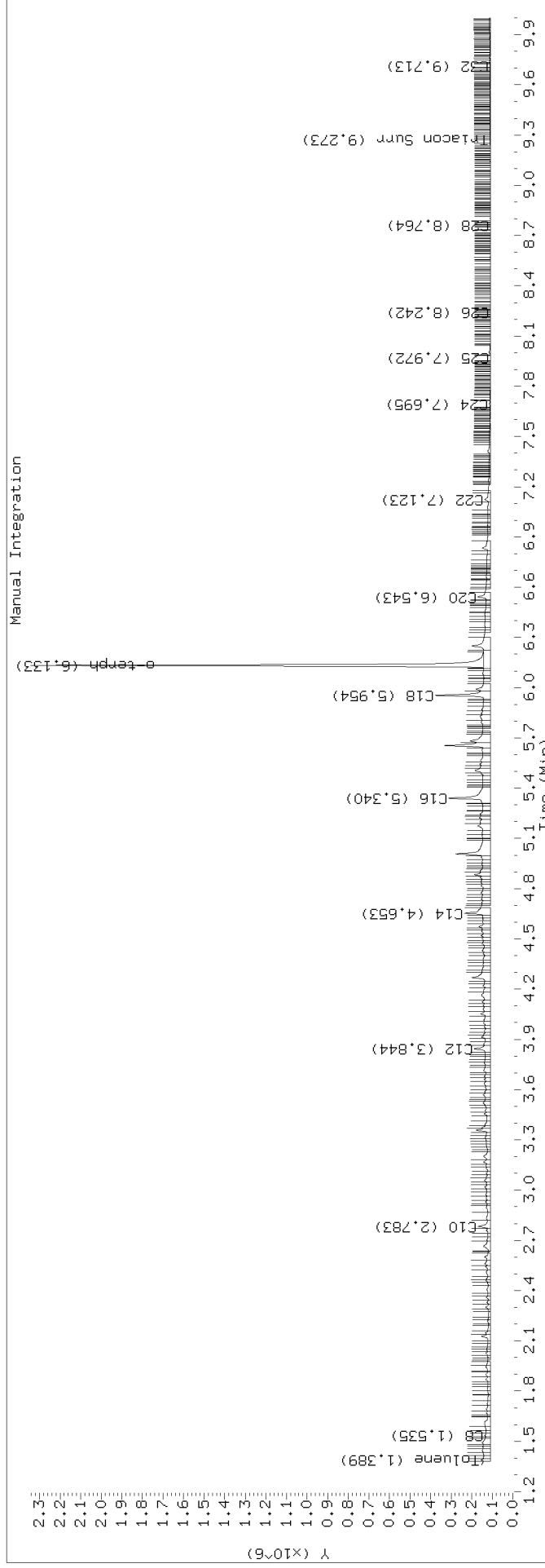
Range Times: NW Diesel(3.848 - 7.697) AK102(2.79 - 7.97) Jet A(2.79 - 5.96)
NW M.Oil(7.70 - 10.97) AK103(7.97 - 10.57) OR Diesel(2.79 - 8.76)

Surrogate	Area	Amount
o-Terphenyl	1499503	7.4 M
Triacontane	1233	0.0

M Indicates the peak was manually integrated

Analyte	RF	Curve Date
o-Terph Surr	203634.1	
Triacon Surr	174221.0	
Gas	15000.0	XX-XXX-XXXX
Diesel	158638.4	20-JAN-2022
Motor Oil	132579.1	06-JAN-2022
AK102	189076.1	20-JAN-2022
AK103	98909.5	06-JAN-2022
OR Diesel	189743.0	20-JAN-2022
NAS Diesel	188673.2	20-JAN-2022





Data File: \\target\share\chem2\fid4a,1\20220120,b\42282006.D

Date: 20-JAN-2022 12:11

Client ID:

Sample Info: SKR0208-CAL2

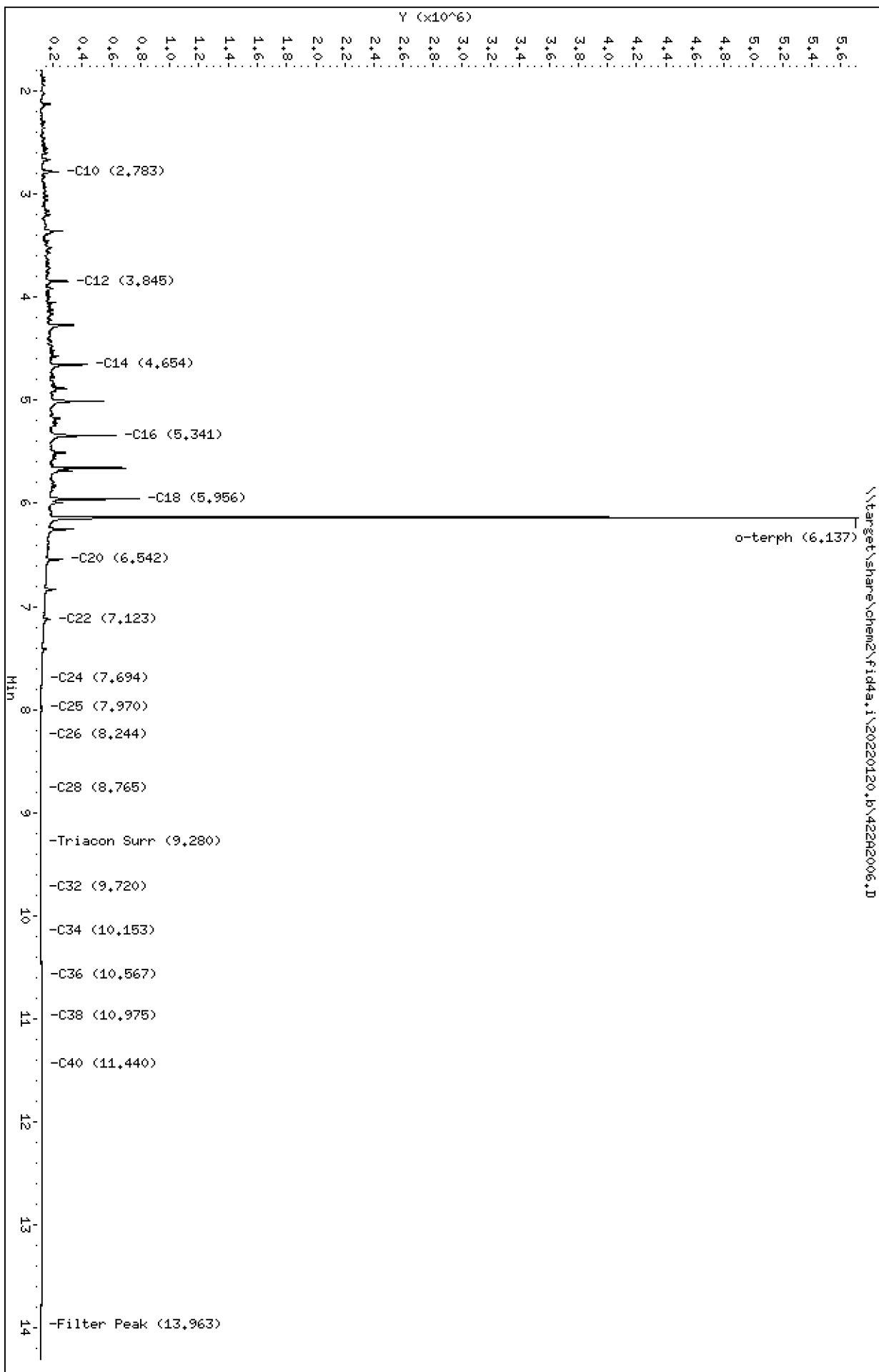
Column phase: RTX-1

Instrument: fid4a,1

Operator: WLB

Column diameter: 0.25

Page 1



Analytical Resources Inc.
TPH Quantitation Report

Data file: 20220120.b/422A2006.D
Method: 20220120.b\FID4TPH.m
Instrument: fid4a.i, VLB
Report Date: 02/09/2022
Macro: 09-SEP-2019
Calibration Dates: Gas:XX-XXX-XXXX Diesel:20-JAN-2022 M.Oil:06-JAN-2022

ARI ID: SKA0208-CAL2
Client ID:
Injection: 20-JAN-2022 12:11
Dilution Factor: 1
RT Std: 422A2003.D

FID:4A RESULTS

Compound	RT	Shift	Height	Area	Method	Range	Total Area	Conc (mg/L)
C8	1.552	0.009	16555	16726	WATPHD	(C12-C24)	14707395	92.7
C10	2.783	-0.004	126688	134636	WATPHM	(C24-C38)	469166	3.5
C12	3.845	-0.004	184172	214747	AK102	(C10-C25)	17413082	92.1
C14	4.654	-0.004	317298	320236	AK103	(C25-C36)	269684	2.7
C16	5.341	-0.004	520196	598541	OR.DIES	(C10-C28)	17485049	92.2
C18	5.956	-0.005	674723	654694				
C20	6.542	-0.006	153245	209870				
C22	7.123	-0.007	69858	101420				
C24	7.694	-0.003	13882	26216				
C25	7.970	-0.004	4951	7165				
C26	8.244	-0.000	2511	3354				
C28	8.765	0.001	871	304				
C32	9.720	0.003	1890	752				
C34	10.153	-0.002	2745	1844				
Filter Peak	13.963	0.001	3721	2548				
C36	10.567	-0.001	5488	2082				
C38	10.975	0.001	7723	2304				
C40	11.440	0.002	9453	3292				
o-terph	6.137	-0.018	5533733	3490480				
Triacon Surr	9.280	0.002	571	159	NAS DIES	(C10-C24)	17379670	92.1

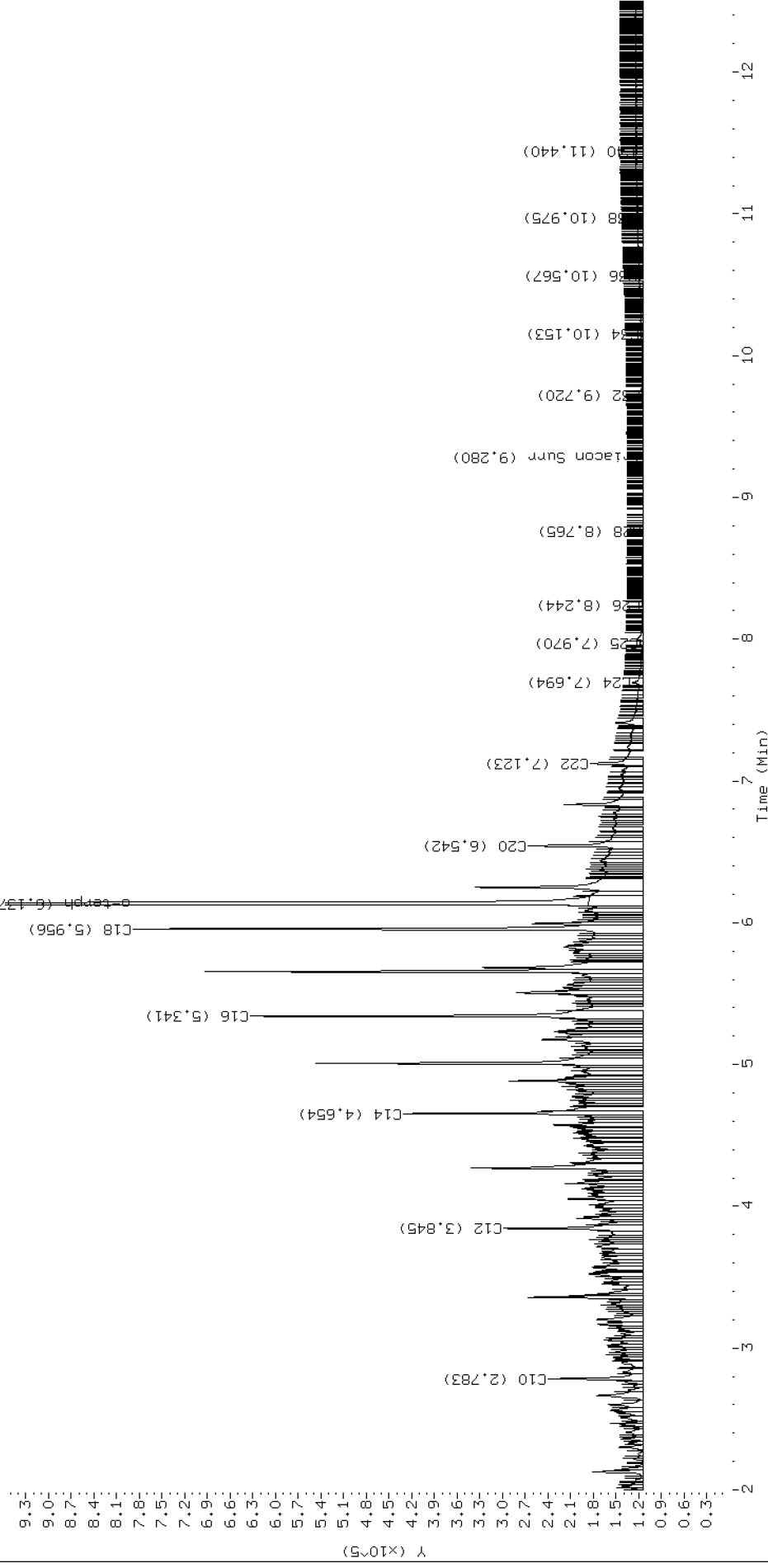
Range Times: NW Diesel(3.848 - 7.697) AK102(2.79 - 7.97) Jet A(2.79 - 5.96)
NW M.Oil(7.70 - 10.97) AK103(7.97 - 10.57) OR Diesel(2.79 - 8.76)

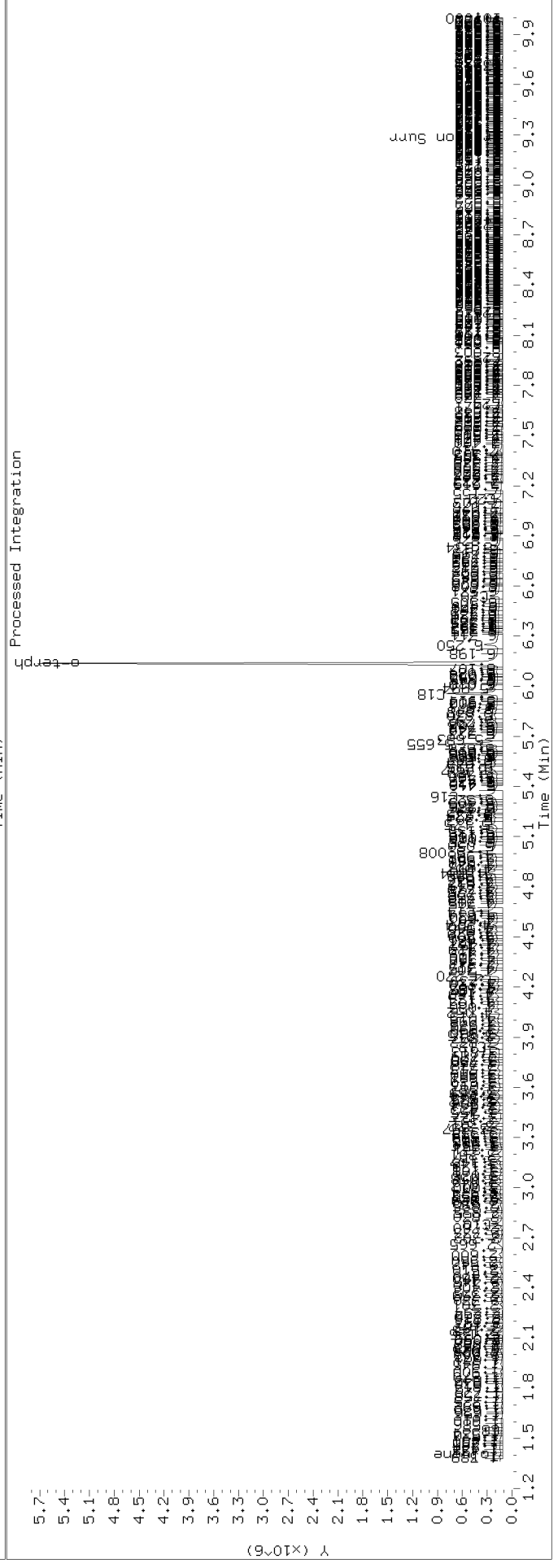
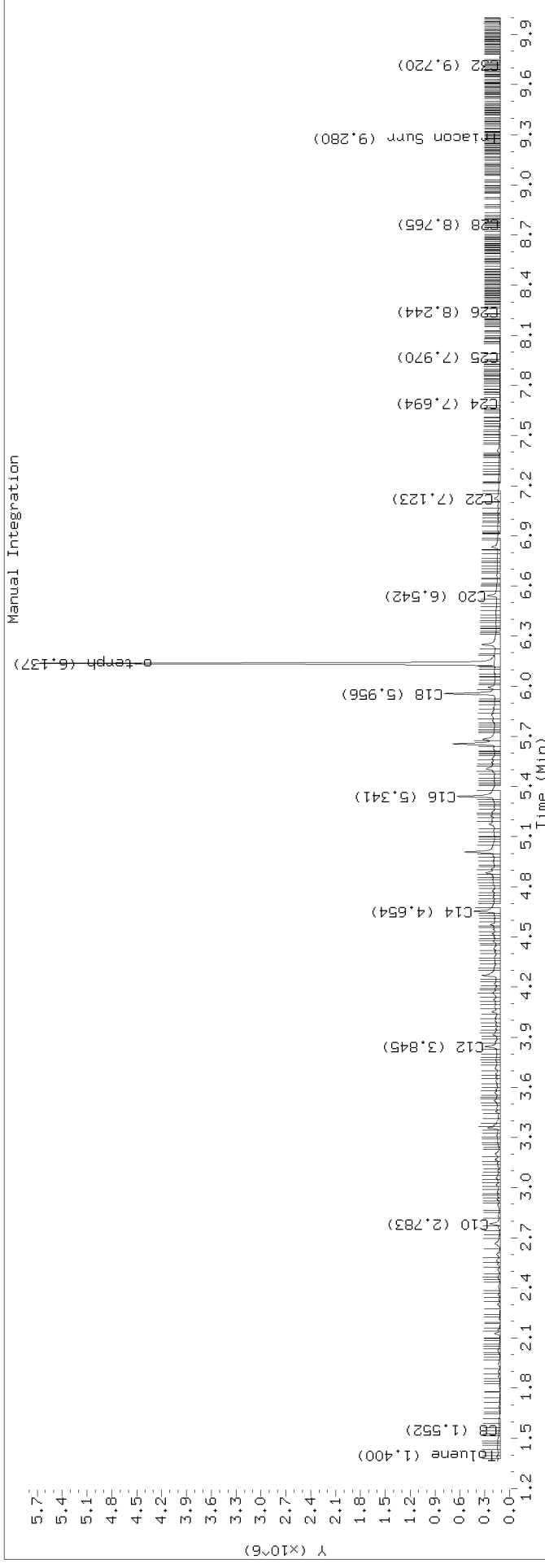
Surrogate	Area	Amount
o-Terphenyl	3490480	17.1 M
Triacontane	159	0.0

M Indicates the peak was manually integrated

Analyte	RF	Curve Date
o-Terph Surr	203634.1	
Triacon Surr	174221.0	
Gas	15000.0	XX-XXX-XXXX
Diesel	158638.4	20-JAN-2022
Motor Oil	132579.1	06-JAN-2022
AK102	189076.1	20-JAN-2022
AK103	98909.5	06-JAN-2022
OR Diesel	189743.0	20-JAN-2022
NAS Diesel	188673.2	20-JAN-2022

HP6890 GC Data, FID1A.CH





Data File: \\target\share\chem2\fid4a,1\20220120,b\42282007.D

Date: 20-JAN-2022 12:30

Client ID:

Sample Info: SKR0208-CAL3

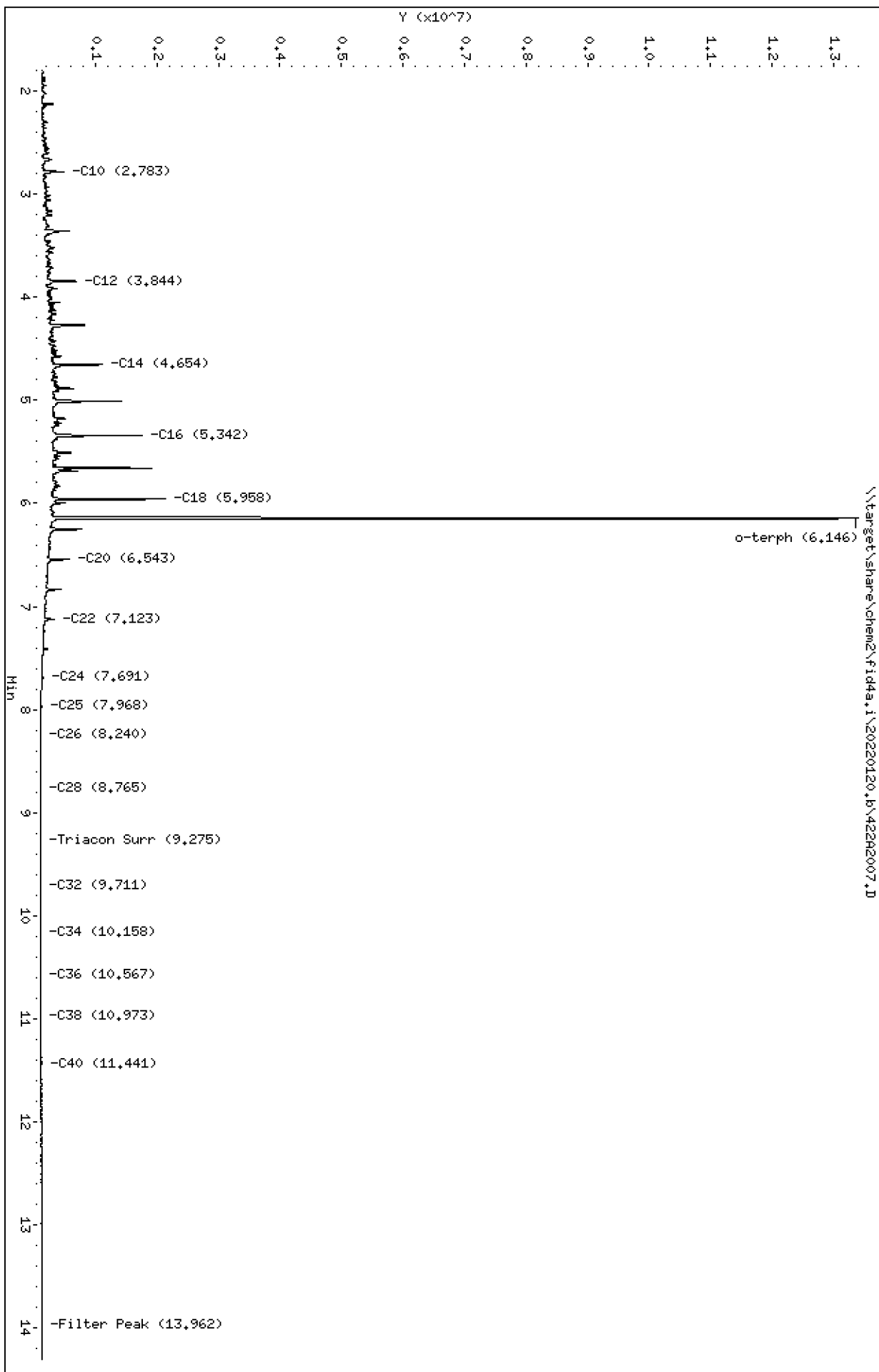
Column phase: RTX-1

Instrument: fid4a,1

Operator: WLB

Column diameter: 0.25

Page 1



Analytical Resources Inc.
TPH Quantitation Report

Data file: 20220120.b/422A2007.D
Method: 20220120.b\FID4TPH.m
Instrument: fid4a.i, VLB
Report Date: 02/09/2022
Macro: 09-SEP-2019
Calibration Dates: Gas:XX-XXX-XXXX Diesel:20-JAN-2022 M.Oil:06-JAN-2022

ARI ID: SKA0208-CAL3
Client ID:
Injection: 20-JAN-2022 12:30
Dilution Factor: 1
RT Std: 422A2003.D

FID:4A RESULTS

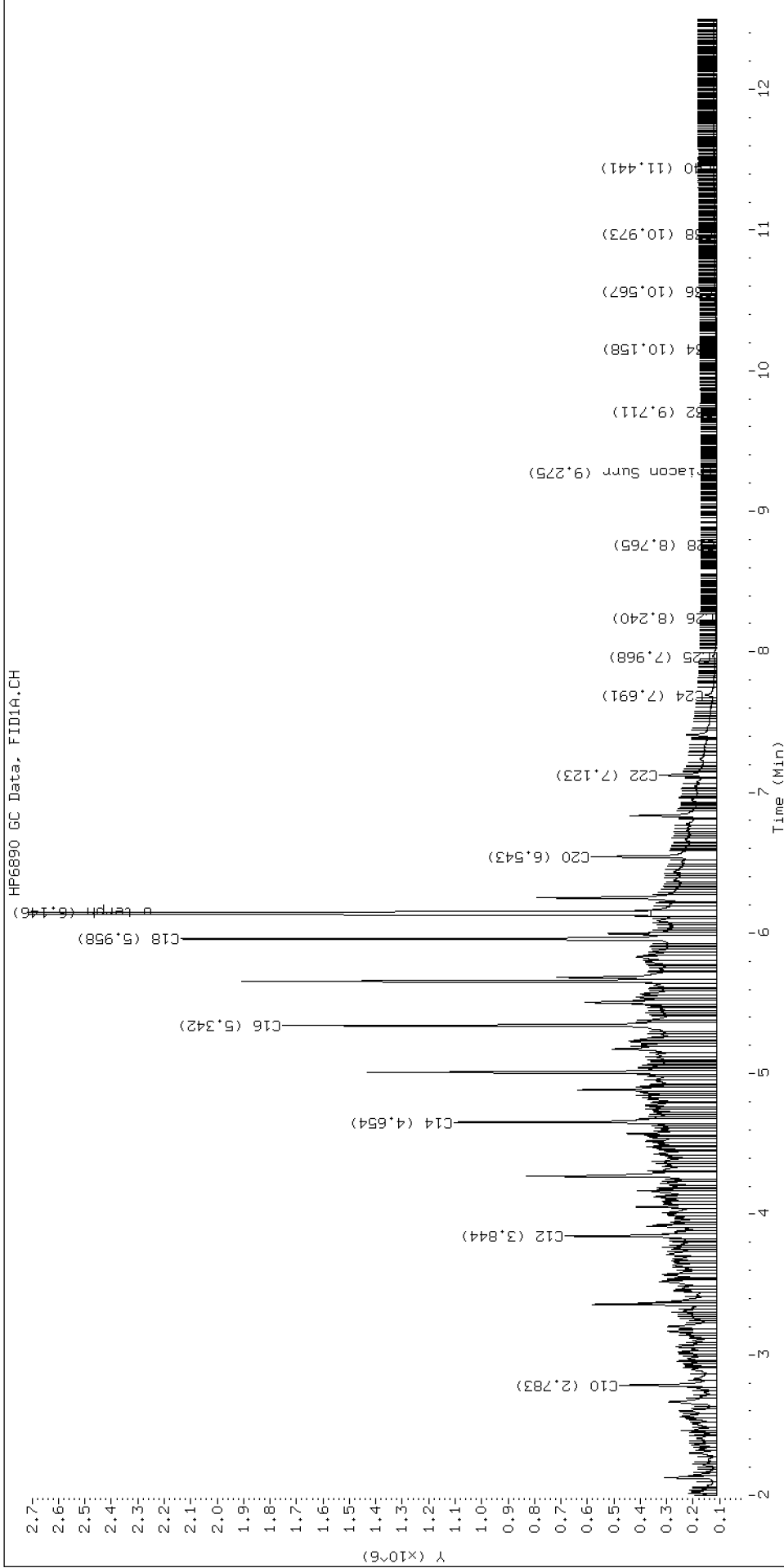
Compound	RT	Shift	Height	Area	Method	Range	Total Area	Conc (mg/L)
C8	1.536	-0.007	51595	42492	WATPHD	(C12-C24)	42908766	270.5
C10	2.783	-0.004	369838	415697	WATPHM	(C24-C38)	683453	5.2
C12	3.844	-0.004	574678	650857	AK102	(C10-C25)	51100202	270.3
C14	4.654	-0.003	992557	1057075	AK103	(C25-C36)	381818	3.9
C16	5.342	-0.003	1641082	1885470	OR.DIES	(C10-C28)	51231288	270.0
C18	5.958	-0.003	2026462	1878870				
C20	6.543	-0.006	475588	745557				
C22	7.123	-0.007	218531	281405				
C24	7.691	-0.006	44690	100420				
C25	7.968	-0.006	16146	27786				
C26	8.240	-0.004	5708	10536				
C28	8.765	0.002	941	568				
C32	9.711	-0.006	2516	1668				
C34	10.158	0.003	3950	1769				
Filter Peak	13.962	-0.001	12364	12175				
C36	10.567	-0.001	6446	3827				
C38	10.973	-0.001	8914	4432				
C40	11.441	0.003	11408	14149				
o-terph	6.146	-0.009	13042333	9641147				
Triacon Surr	9.275	-0.002	679	442	NAS DIES	(C10-C24)	50995409	270.3

Range Times: NW Diesel(3.848 - 7.697) AK102(2.79 - 7.97) Jet A(2.79 - 5.96)
NW M.Oil(7.70 - 10.97) AK103(7.97 - 10.57) OR Diesel(2.79 - 8.76)

Surrogate	Area	Amount
o-Terphenyl	9641147	47.3 M
Triacontane	442	0.0

M Indicates the peak was manually integrated

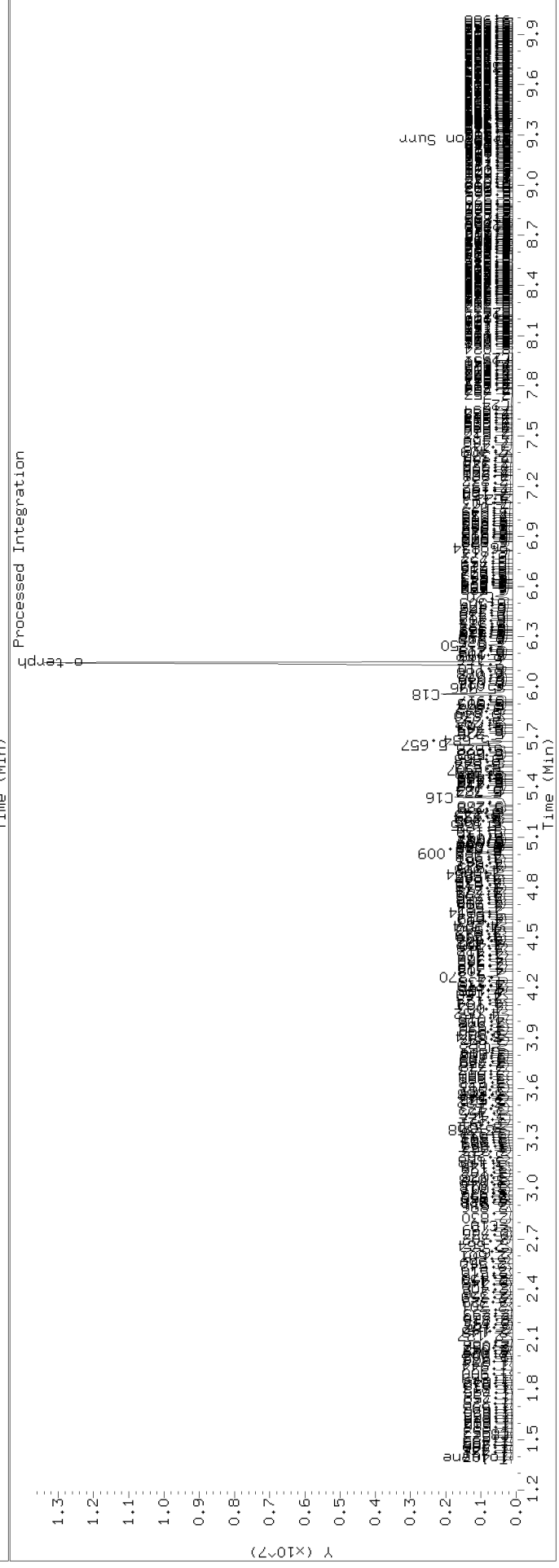
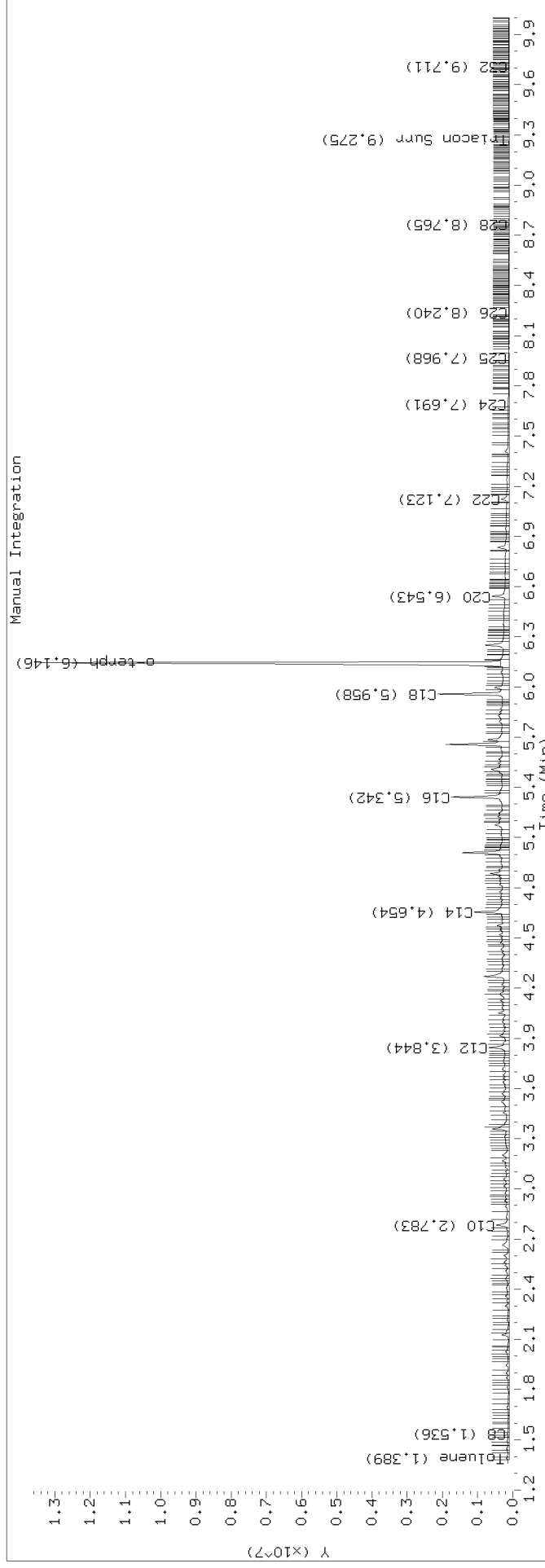
Analyte	RF	Curve Date
o-Terph Surr	203634.1	
Triacon Surr	174221.0	
Gas	15000.0	XX-XXX-XXXX
Diesel	158638.4	20-JAN-2022
Motor Oil	132579.1	06-JAN-2022
AK102	189076.1	20-JAN-2022
AK103	98909.5	06-JAN-2022
OR Diesel	189743.0	20-JAN-2022
NAS Diesel	188673.2	20-JAN-2022



TPH Manual Integrations Report

Datafile: FID4A, 20220120.b/422A2007.D Injection: 20-JAN-2022 12:30

Lab ID:SKA0208-CAL3



Data File: \\target\share\chem2\fid4a,1\20220120,b\42282008.D

Date: 20-JAN-2022 12:50

Client ID:

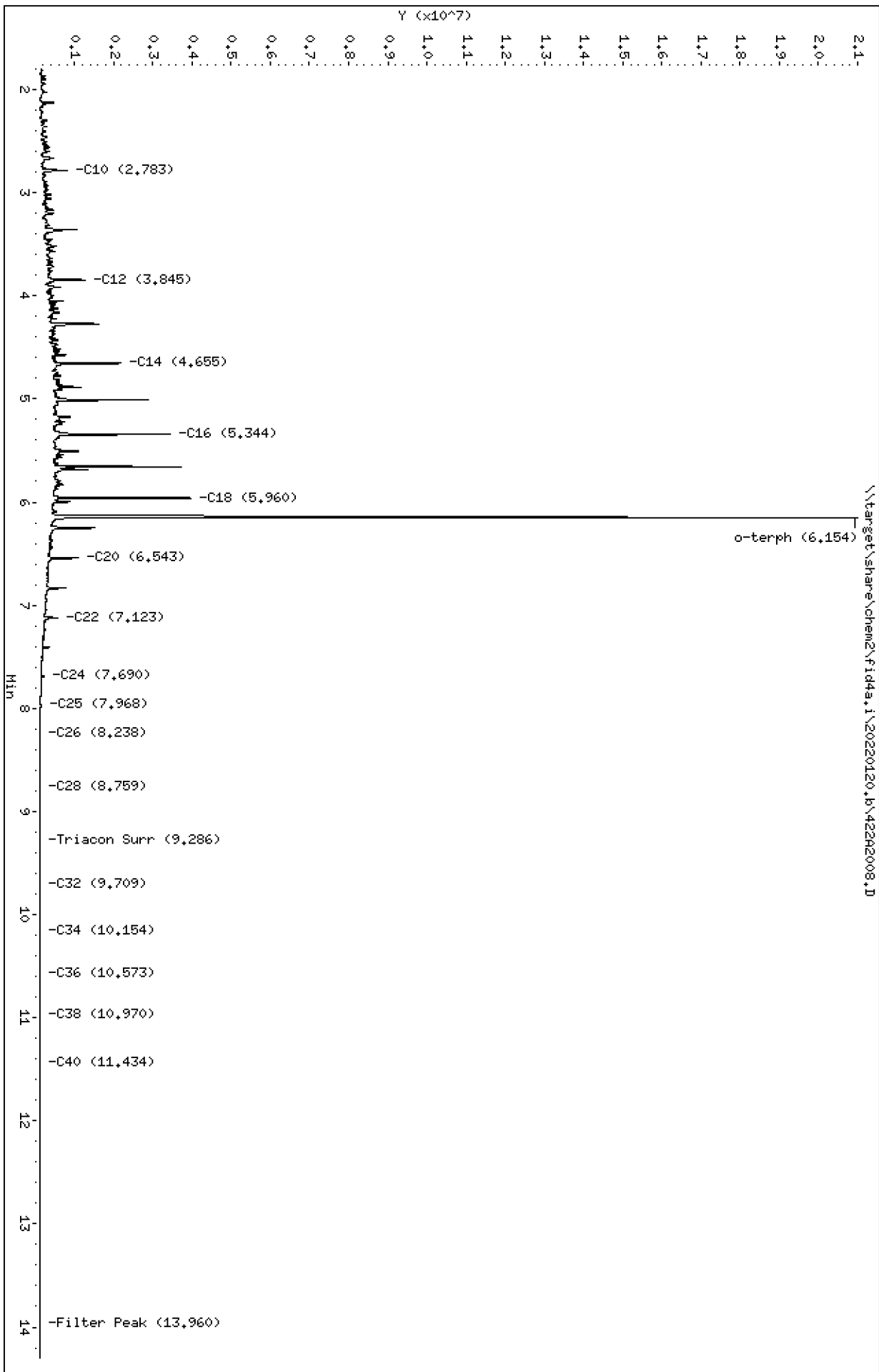
Sample Info: SKR0208-CAL4

Column phase: RTX-1

Instrument: fid4a,1

Operator: WLB

Column diameter: 0.25



Analytical Resources Inc.
TPH Quantitation Report

Data file: 20220120.b/422A2008.D
Method: 20220120.b\FID4TPH.m
Instrument: fid4a.i, VLB
Report Date: 02/09/2022
Macro: 09-SEP-2019
Calibration Dates: Gas:XX-XXX-XXXX Diesel:20-JAN-2022 M.Oil:06-JAN-2022

ARI ID: SKA0208-CAL4
Client ID:
Injection: 20-JAN-2022 12:50
Dilution Factor: 1
RT Std: 422A2003.D

FID:4A RESULTS

Compound	RT	Shift	Height	Area	Method	Range	Total Area	Conc (mg/L)
C8	1.536	-0.007	75258	48808	WATPHD	(C12-C24)	80641505	508.3
C10	2.783	-0.005	709615	752568	WATPHM	(C24-C38)	806665	6.1
C12	3.845	-0.003	1162593	1251021	AK102	(C10-C25)	95443784	504.8
C14	4.655	-0.002	2057036	1616758	AK103	(C25-C36)	450247	4.6
C16	5.344	-0.001	3337611	3592251	OR.DIES	(C10-C28)	95745351	504.6
C18	5.960	-0.001	3871050	3592934				
C20	6.543	-0.005	976164	1130774				
C22	7.123	-0.007	454765	562620				
C24	7.690	-0.006	98054	161406				
C25	7.968	-0.006	34825	76825				
C26	8.238	-0.006	13218	23450				
C28	8.759	-0.004	2262	1768				
C32	9.709	-0.009	1511	1013				
C34	10.154	-0.001	1891	1092				
Filter Peak	13.960	-0.002	3303	1461				
C36	10.573	0.005	4311	2527				
C38	10.970	-0.004	6542	2594				
C40	11.434	-0.004	8637	4692				
o-terph	6.154	-0.001	20447054	19087067				
Triacon Surr	9.286	0.009	319	198	NAS DIES	(C10-C24)	95228381	504.7

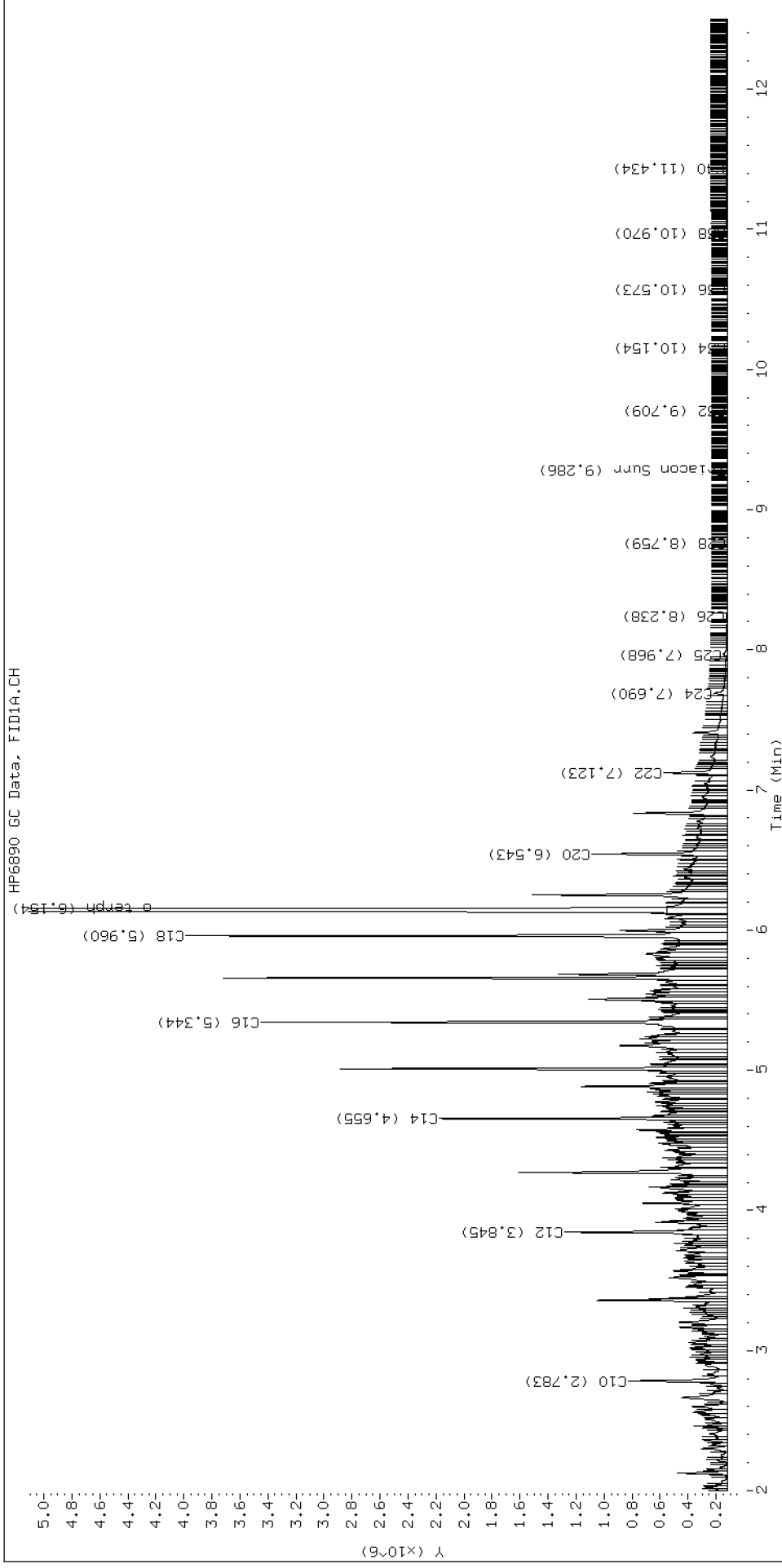
Range Times: NW Diesel(3.848 - 7.697) AK102(2.79 - 7.97) Jet A(2.79 - 5.96)
NW M.Oil(7.70 - 10.97) AK103(7.97 - 10.57) OR Diesel(2.79 - 8.76)

Surrogate	Area	Amount
o-Terphenyl	19087067	93.7 M
Triacontane	198	0.0

M Indicates the peak was manually integrated

Analyte	RF	Curve Date
o-Terph Surr	203634.1	
Triacon Surr	174221.0	
Gas	15000.0	XX-XXX-XXXX
Diesel	158638.4	20-JAN-2022
Motor Oil	132579.1	06-JAN-2022
AK102	189076.1	20-JAN-2022
AK103	98909.5	06-JAN-2022
OR Diesel	189743.0	20-JAN-2022
NAS Diesel	188673.2	20-JAN-2022

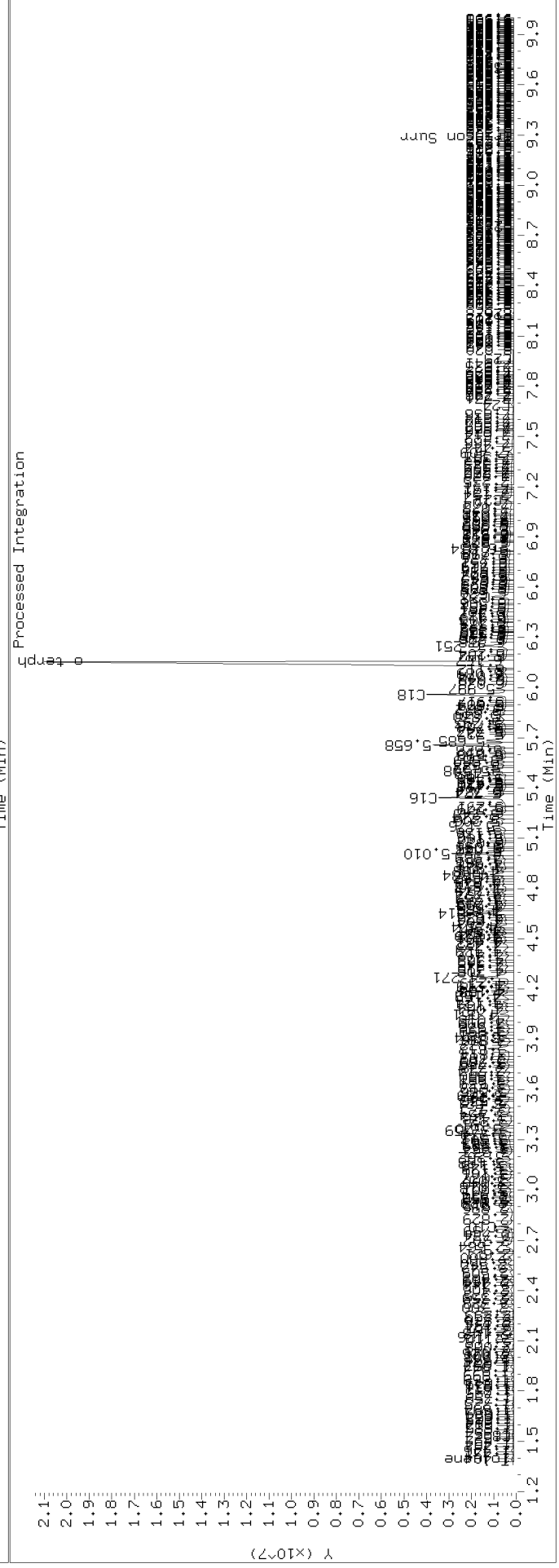
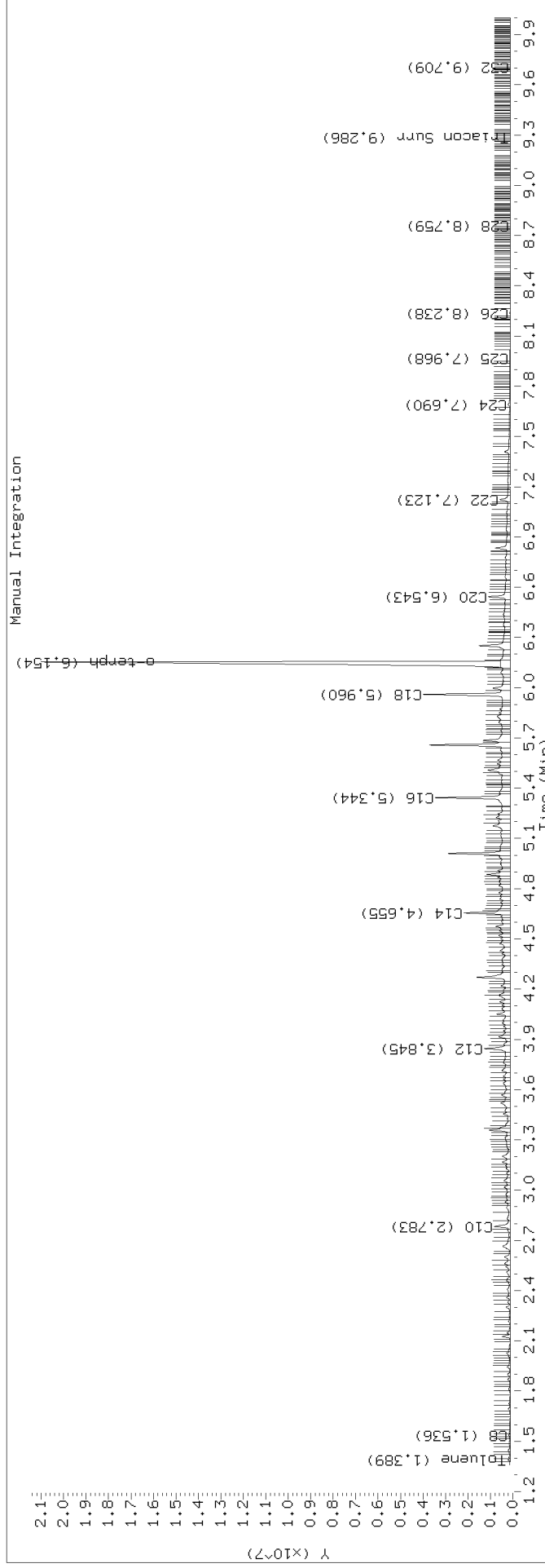
Datafile: FID4A, 20220120.b/422A2008.D SKA0208-CAL4



TPH Manual Integrations Report

Datafile: FID4A, 20220120.b/422A2008.D Injection: 20-JAN-2022 12:50

Lab ID:SKA0208-CA14



Data File: \\target\share\chem2\fid4a,1\20220120,b\42282009.D

Date: 20-JAN-2022 13:10

Client ID:

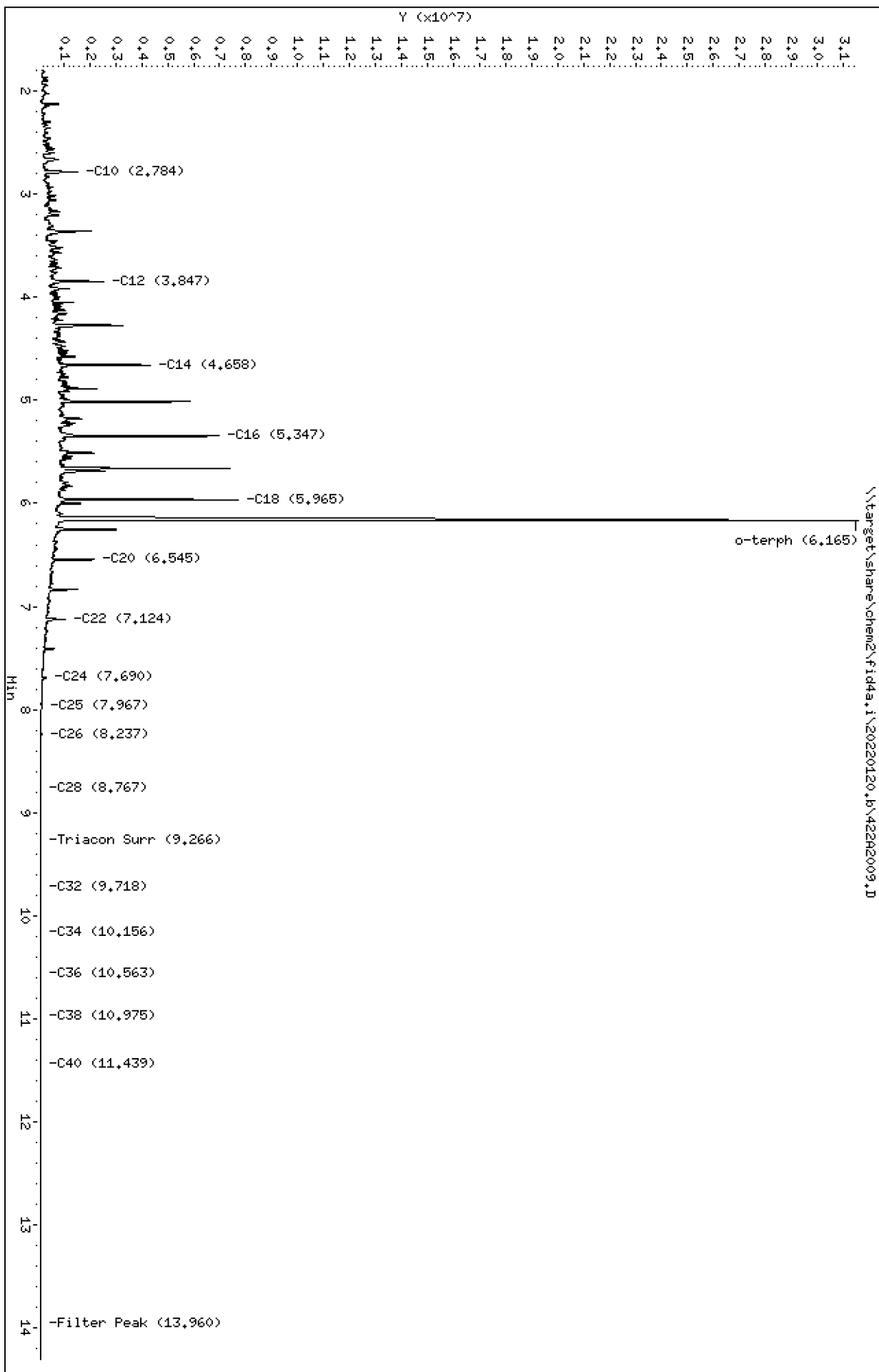
Sample Info: SKR0208-CAL5

Column phase: RTX-1

Instrument: fid4a,1

Operator: WLB

Column diameter: 0.25



Analytical Resources Inc.
TPH Quantitation Report

Data file: 20220120.b/422A2009.D
Method: 20220120.b\FID4TPH.m
Instrument: fid4a.i, VLB
Report Date: 02/09/2022
Macro: 09-SEP-2019
Calibration Dates: Gas:XX-XXX-XXXX Diesel:20-JAN-2022 M.Oil:06-JAN-2022

ARI ID: SKA0208-CAL5
Client ID:
Injection: 20-JAN-2022 13:10
Dilution Factor: 1
RT Std: 422A2003.D

FID:4A RESULTS

Compound	RT	Shift	Height	Area	Method	Range	Total Area	Conc (mg/L)
C8	1.536	-0.007	149954	98749	WATPHD	(C12-C24)	162430372	1023.9
C10	2.784	-0.004	1439796	1548854	WATPHM	(C24-C38)	1264513	9.5
C12	3.847	-0.001	2421473	2554240	AK102	(C10-C25)	192320848	1017.2
C14	4.658	0.001	4204457	3276272	AK103	(C25-C36)	691204	7.0
C16	5.347	0.002	6879562	5892766	OR.DIES	(C10-C28)	192830179	1016.3
C18	5.965	0.003	7592509	7277681				
C20	6.545	-0.004	2041229	2172658				
C22	7.124	-0.006	960097	1127598				
C24	7.690	-0.006	201208	385652				
C25	7.967	-0.007	73017	142663				
C26	8.237	-0.007	27457	48850				
C28	8.767	0.004	3710	2779				
C32	9.718	0.001	1462	729				
C34	10.156	0.001	2849	1848				
Filter Peak	13.960	-0.002	10288	3572				
C36	10.563	-0.005	5029	2720				
C38	10.975	0.001	7473	2950				
C40	11.439	0.001	9125	4044				
o-terph	6.165	0.011	30678154	39035312				
Triacon Surr	9.266	-0.011	567	367	NAS DIES	(C10-C24)	191911673	1017.2

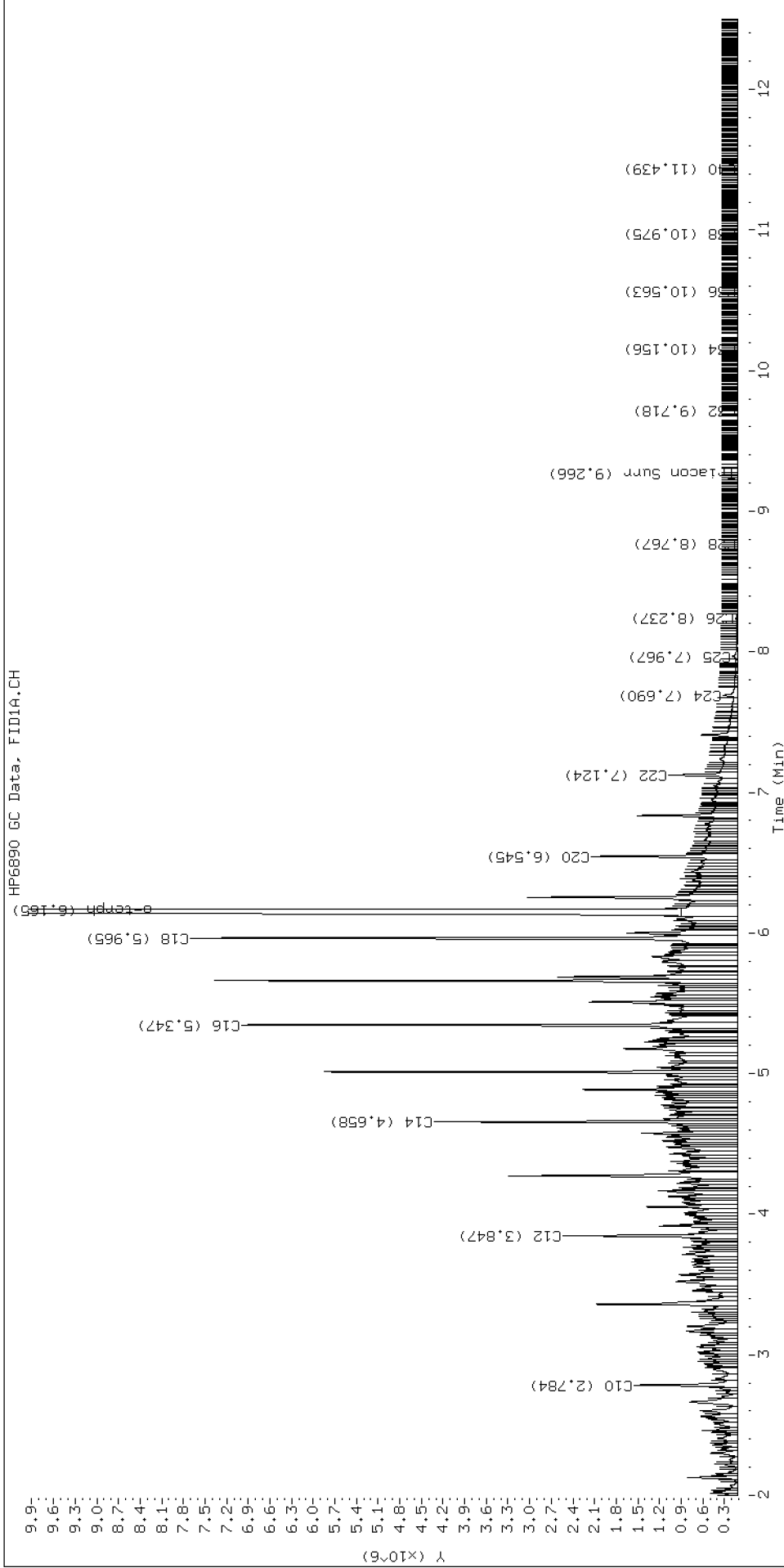
Range Times: NW Diesel(3.848 - 7.697) AK102(2.79 - 7.97) Jet A(2.79 - 5.96)
NW M.Oil(7.70 - 10.97) AK103(7.97 - 10.57) OR Diesel(2.79 - 8.76)

Surrogate	Area	Amount
o-Terphenyl	39035312	191.7 M
Triacontane	367	0.0

M Indicates the peak was manually integrated

Analyte	RF	Curve Date
o-Terph Surr	203634.1	
Triacon Surr	174221.0	
Gas	15000.0	XX-XXX-XXXX
Diesel	158638.4	20-JAN-2022
Motor Oil	132579.1	06-JAN-2022
AK102	189076.1	20-JAN-2022
AK103	98909.5	06-JAN-2022
OR Diesel	189743.0	20-JAN-2022
NAS Diesel	188673.2	20-JAN-2022

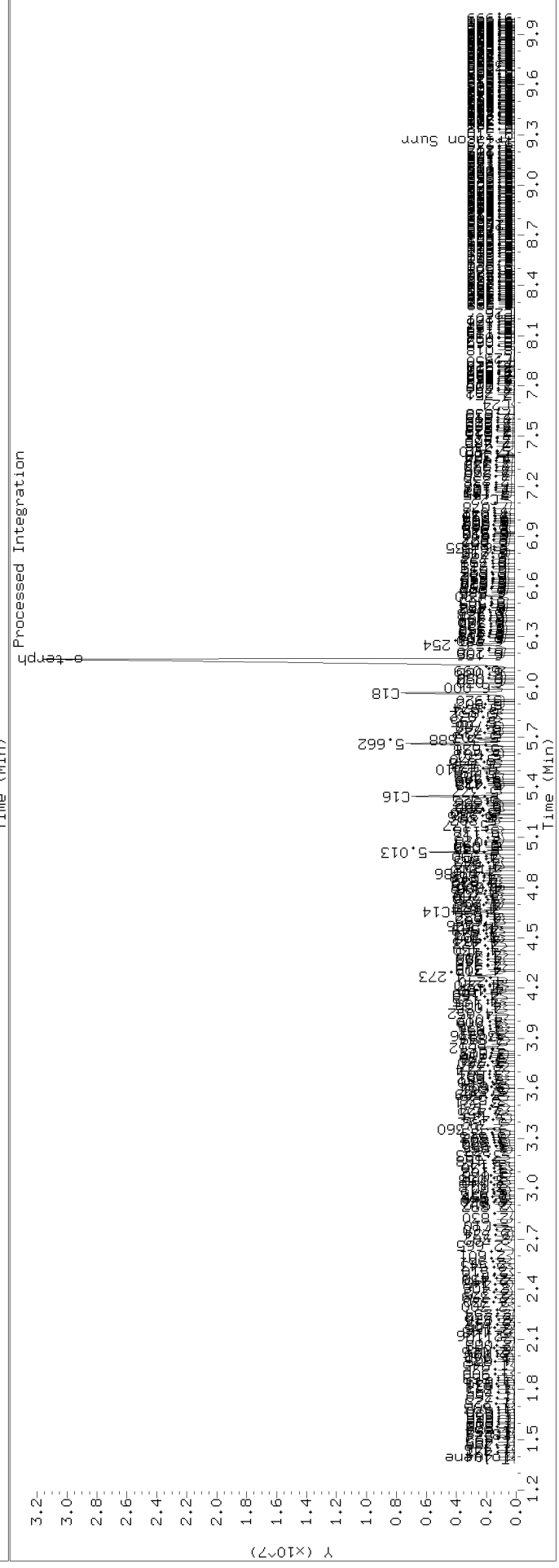
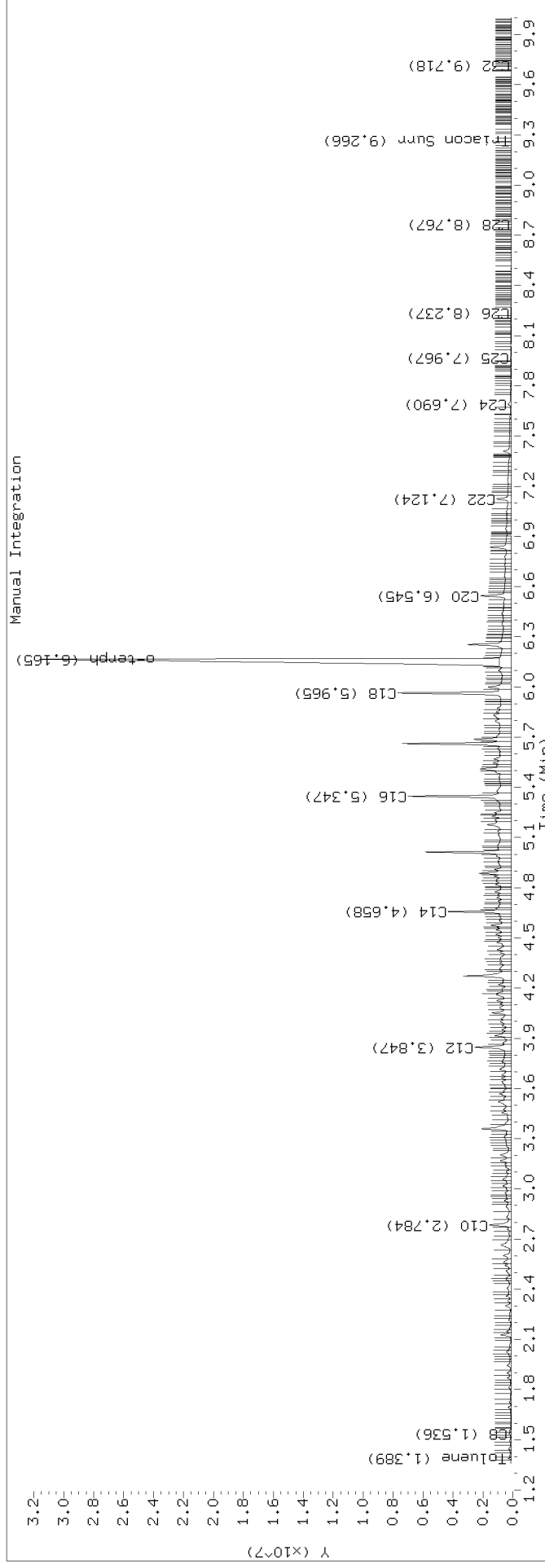
HP6890 GC Data, FID1A.CH



TPH Manual Integrations Report

Datafile: FID4A, 20220120.b/422A2009.D Injection: 20-JAN-2022 13:10

Lab ID:SKA0208-CAL5



Data File: \\target\share\chem2\fid4a,1\20220120,b\42282010.D

Date: 20-JAN-2022 13:30

Client ID:

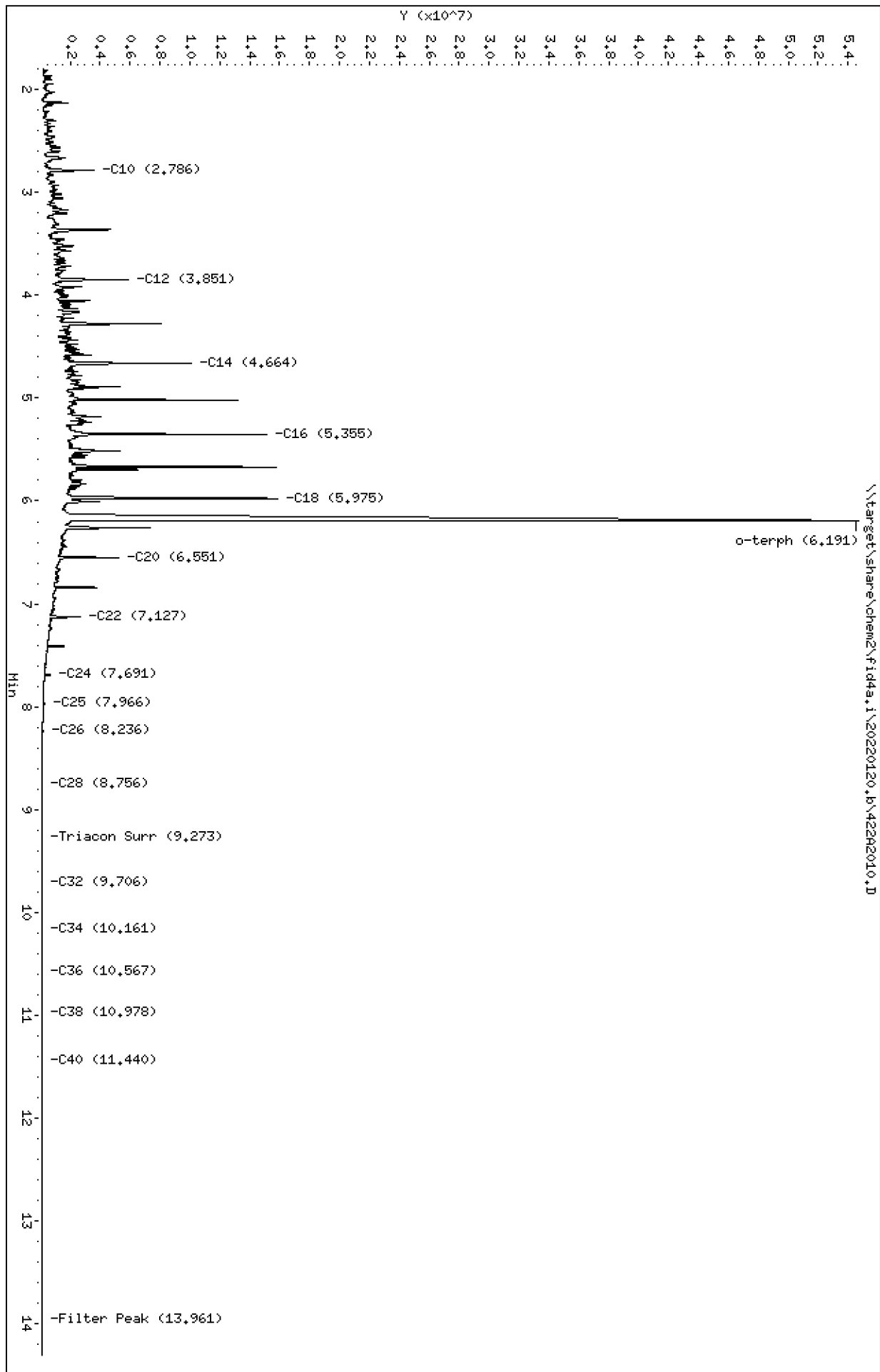
Sample Info: SKR0208-CAL6

Column phase: RTX-1

Instrument: fid4a,1

Operator: WLB

Column diameter: 0.25



Analytical Resources Inc.
TPH Quantitation Report

Data file: 20220120.b/422A2010.D
Method: 20220120.b\FID4TPH.m
Instrument: fid4a.i, VLB
Report Date: 02/09/2022
Macro: 09-SEP-2019
Calibration Dates: Gas:XX-XXX-XXXX Diesel:20-JAN-2022 M.Oil:06-JAN-2022

ARI ID: SKA0208-CAL6
Client ID:
Injection: 20-JAN-2022 13:30
Dilution Factor: 1
RT Std: 422A2003.D

FID:4A RESULTS

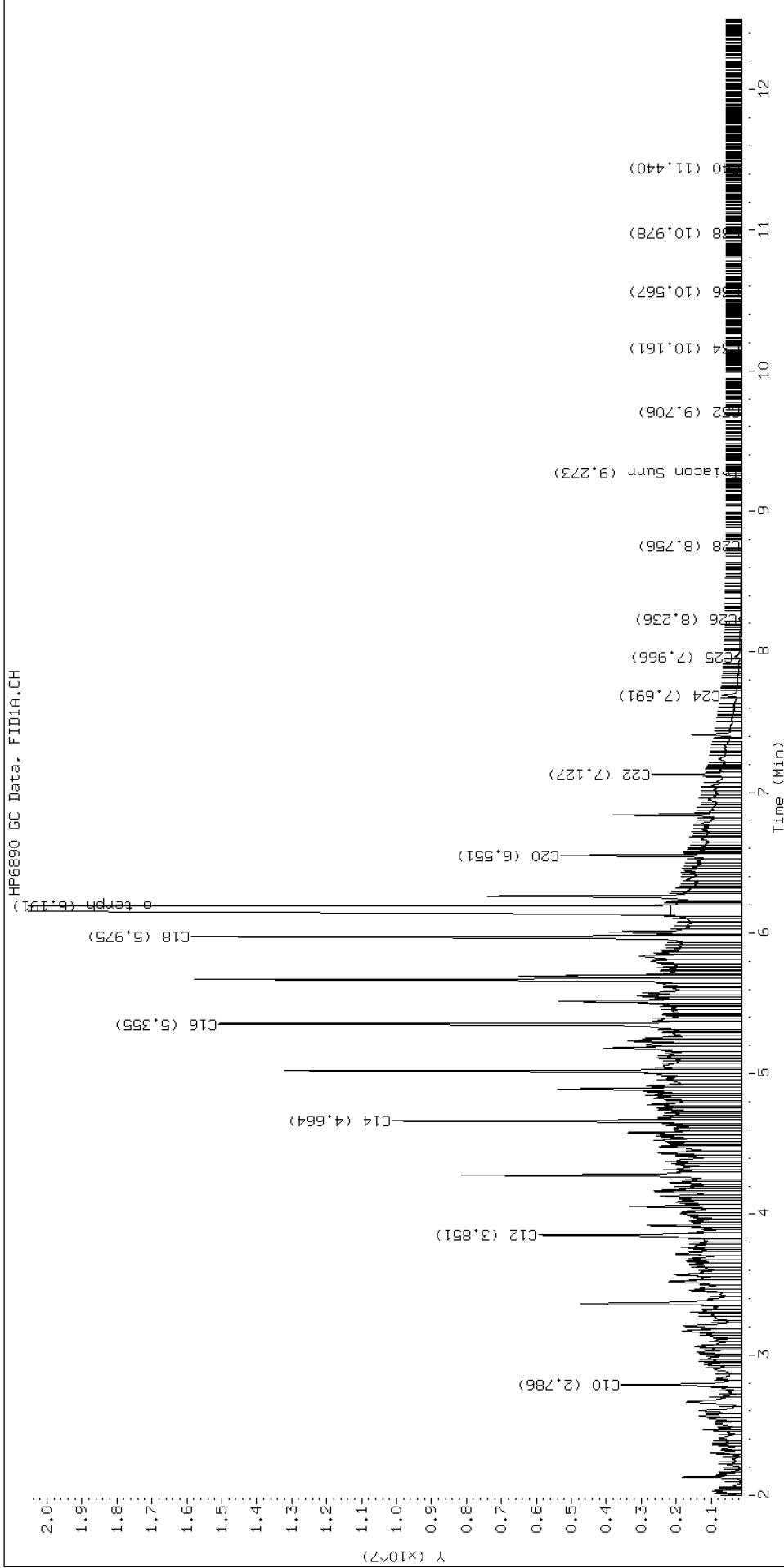
Compound	RT	Shift	Height	Area	Method	Range	Total Area	Conc (mg/L)
C8	1.542	-0.001	359379	204664	WATPHD	(C12-C24)	401313275	2529.7
C10	2.786	-0.001	3451612	3747918	WATPHM	(C24-C38)	3255893	24.6
C12	3.851	0.003	5804470	6518180	AK102	(C10-C25)	473805635	2505.9
C14	4.664	0.006	9996069	8319063	AK103	(C25-C36)	1903073	19.2
C16	5.355	0.010	14976880	16519865	OR.DIES	(C10-C28)	475446210	2505.7
C18	5.975	0.013	15736444	17182717				
C20	6.551	0.002	5171124	5039701				
C22	7.127	-0.003	2582232	2708319				
C24	7.691	-0.006	575368	871757				
C25	7.966	-0.009	212908	393035				
C26	8.236	-0.008	84474	194854				
C28	8.756	-0.008	15719	40350				
C32	9.706	-0.011	2513	2679				
C34	10.161	0.006	1301	484				
Filter Peak	13.961	-0.002	1223	237				
C36	10.567	-0.001	3163	768				
C38	10.978	0.004	4396	2161				
C40	11.440	0.001	5426	4272				
o-terph	6.191	0.036	52535316	98139839				
Triacon Surr	9.273	-0.004	2245	1221	NAS DIES	(C10-C24)	472550701	2504.6

Range Times: NW Diesel(3.848 - 7.697) AK102(2.79 - 7.97) Jet A(2.79 - 5.96)
NW M.Oil(7.70 - 10.97) AK103(7.97 - 10.57) OR Diesel(2.79 - 8.76)

Surrogate	Area	Amount
o-Terphenyl	98139839	481.9 M
Triacontane	1221	0.0

M Indicates the peak was manually integrated

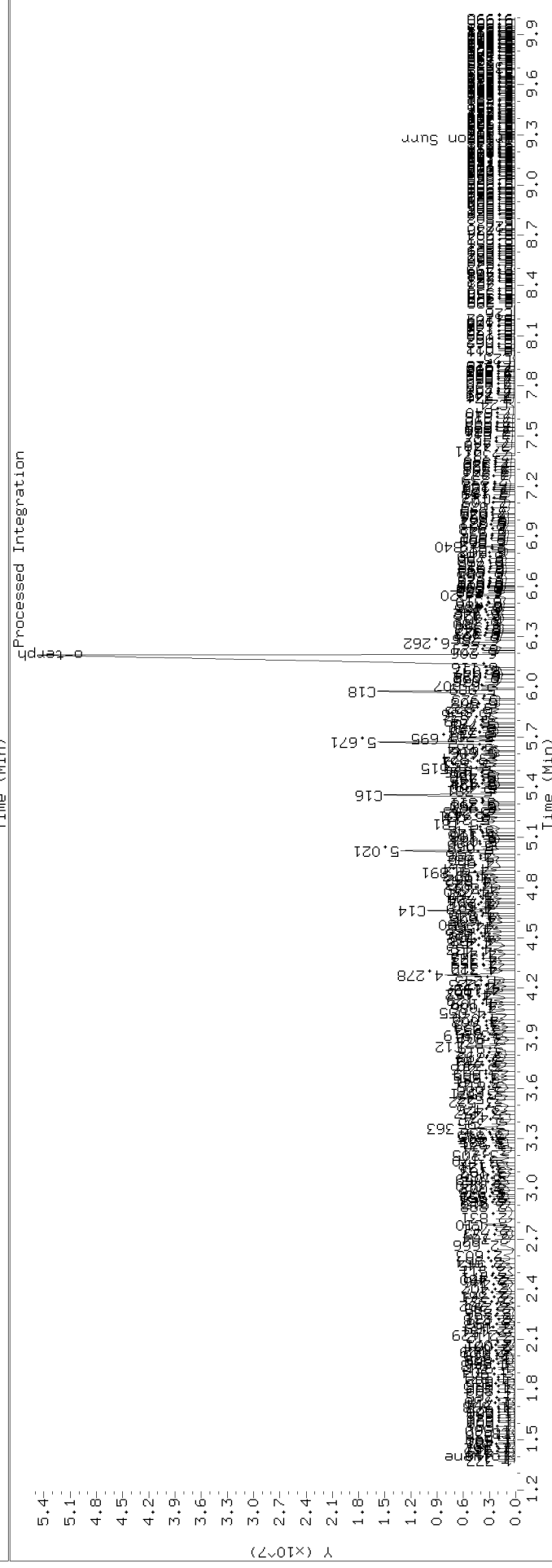
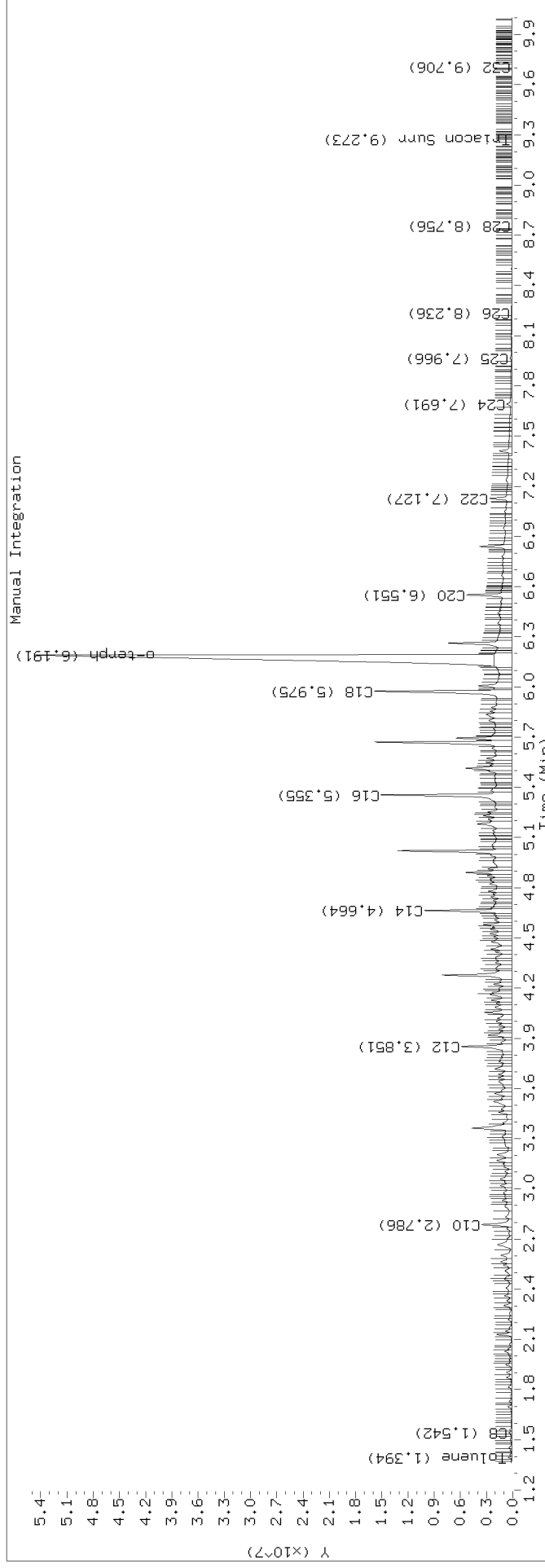
Analyte	RF	Curve Date
o-Terph Surr	203634.1	
Triacon Surr	174221.0	
Gas	15000.0	XX-XXX-XXXX
Diesel	158638.4	20-JAN-2022
Motor Oil	132579.1	06-JAN-2022
AK102	189076.1	20-JAN-2022
AK103	98909.5	06-JAN-2022
OR Diesel	189743.0	20-JAN-2022
NAS Diesel	188673.2	20-JAN-2022



TPH Manual Integrations Report

Datafile: FID4A, 20220120.b/422A2010.D Injection: 20-JAN-2022 13:30

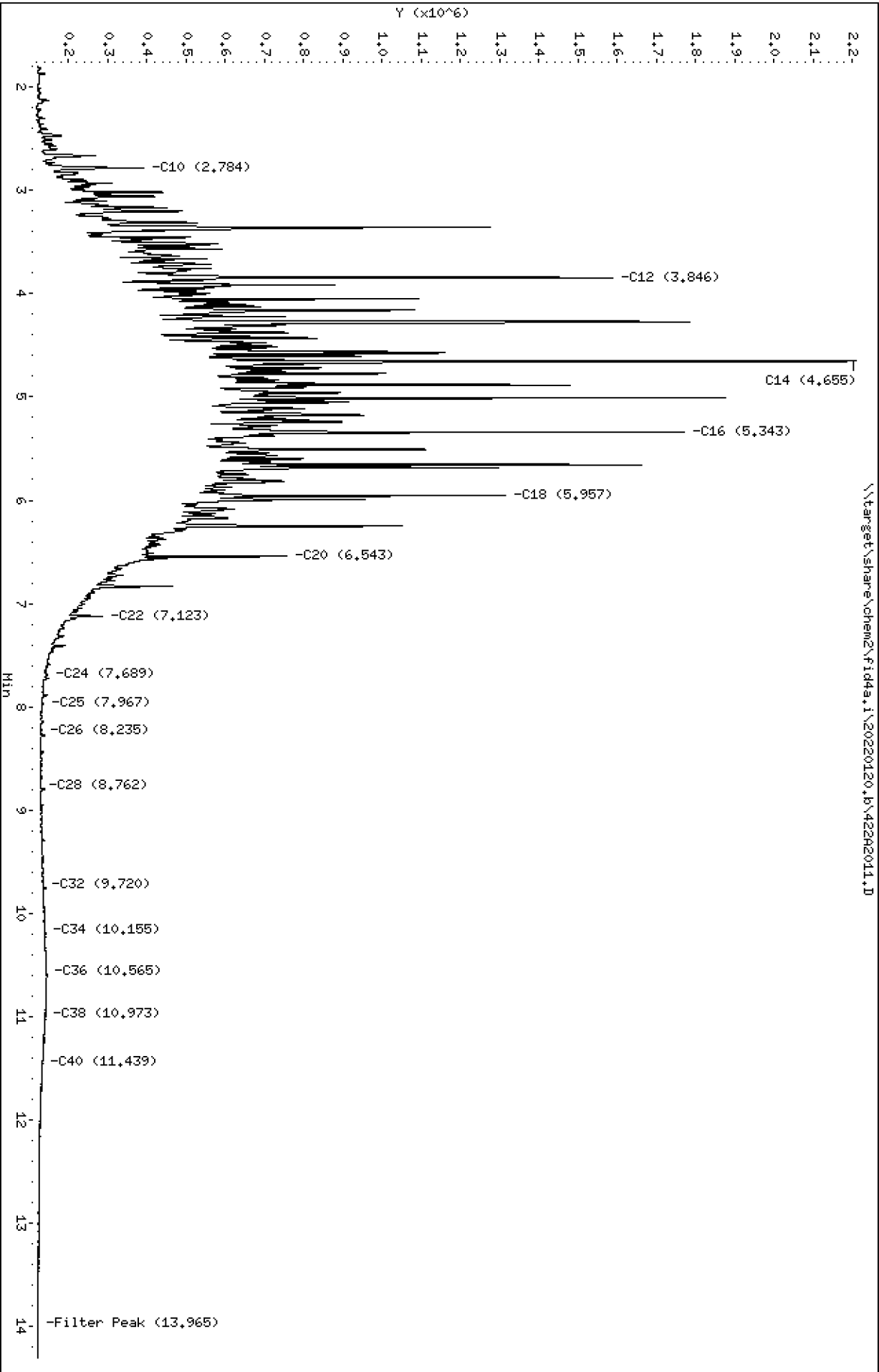
Lab ID:SKA0208-CAL6



Data File: \\target\share\chem2\fid4a,1\20220120_b\42282011.D
Date: 20-JAN-2022 13:50
Client ID:
Sample Info: SKR0208-SCW1

Column phase: RTX-1

Instrument: fid4a,1
Operator: WLB
Column diameter: 0.25



Analytical Resources Inc.
TPH Quantitation Report

Data file: 20220120.b/422A2011.D
Method: 20220120.b\FID4TPH.m
Instrument: fid4a.i, VLB
Report Date: 02/09/2022
Macro: 09-SEP-2019
Calibration Dates: Gas:XX-XXX-XXXX Diesel:20-JAN-2022 M.Oil:06-JAN-2022

ARI ID: SKA0208-SCV1
Client ID:
Injection: 20-JAN-2022 13:50
Dilution Factor: 1
RT Std: 422A2003.D

FID:4A RESULTS

Compound	RT	Shift	Height	Area	Method	Range	Total Area	Conc (mg/L)
C8	1.544	0.001	18500	21377	WATPHD	(C12-C24)	91791980	578.6
C10	2.784	-0.003	274520	418072	WATPHM	(C24-C38)	3249567	24.5
C12	3.846	-0.002	1470041	1730655	AK102	(C10-C25)	109259392	577.9
C14	4.655	-0.002	2091691	2520186	AK103	(C25-C36)	2486512	25.1
C16	5.343	-0.002	1652289	1980684	OR.DIES	(C10-C28)	109898714	579.2
C18	5.957	-0.005	1198312	1177531				
C20	6.543	-0.006	639233	695730				
C22	7.123	-0.007	169547	241250				
C24	7.689	-0.007	28257	52637				
C25	7.967	-0.007	19233	25038				
C26	8.235	-0.009	12361	12259				
C28	8.762	-0.002	11738	2920				
C32	9.720	0.003	17524	10151				
C34	10.155	0.000	21103	7290				
Filter Peak	13.965	0.003	4638	1151				
C36	10.565	-0.003	24473	16973				
C38	10.973	-0.002	22520	6721				
C40	11.439	0.001	15551	3097				
o-terph	----							
Triacon Surr	----				NAS DIES	(C10-C24)	109074547	578.1

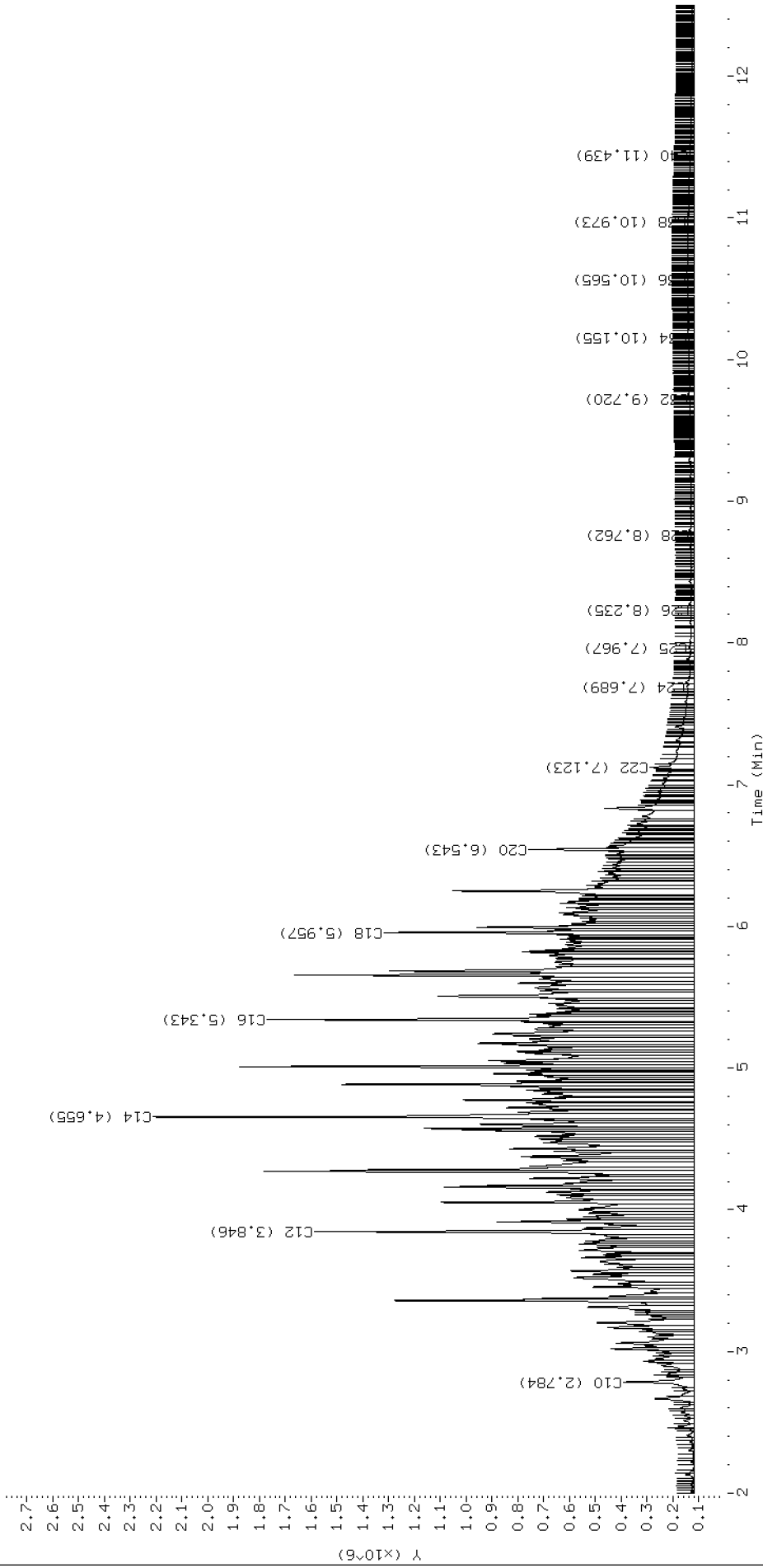
Range Times: NW Diesel(3.848 - 7.697) AK102(2.79 - 7.97) Jet A(2.79 - 5.96)
NW M.Oil(7.70 - 10.97) AK103(7.97 - 10.57) OR Diesel(2.79 - 8.76)

Surrogate	Area	Amount
o-Terphenyl	0	0.0
Triacontane	0	0.0

M Indicates the peak was manually integrated

Analyte	RF	Curve Date
o-Terph Surr	203634.1	
Triacon Surr	174221.0	
Gas	15000.0	XX-XXX-XXXX
Diesel	158638.4	20-JAN-2022
Motor Oil	132579.1	06-JAN-2022
AK102	189076.1	20-JAN-2022
AK103	98909.5	06-JAN-2022
OR Diesel	189743.0	20-JAN-2022
NAS Diesel	188673.2	20-JAN-2022

HP6890 GC Data, FID1A.CH





ANALYSIS SEQUENCE

SKA0028

Instrument: FID4
Calibration ID: FA00013

Printed: 1/7/2022 6:12:45PM

Lab Number	Analysis	Container	Order	Position	STD ID	ISTD ID	Client	Comments
SKA0028-IBL1	QC		1		J002430			
SKA0028-IBL2	QC		2		J012751			
SKA0028-CAL1	QC		3		K000192			
SKA0028-CAL2	QC		4		K000193			
SKA0028-CAL3	QC		5		K000194			
SKA0028-CAL4	QC		6		K000195			
SKA0028-CAL5	QC		7		K000196			
SKA0028-CAL6	QC		8		J012752			
SKA0028-CAL7	QC		9		J011839			
SKA0028-CAL8	QC		10		J011838			
SKA0028-CAL9	QC		11		J011837			
SKA0028-CALA	QC		12		J011836			
SKA0028-CALB	QC		13		J011835			
SKA0028-CALC	QC		14		J010293			
SKA0028-SCV1	QC		15		J009677			
SKA0028-SCV2	QC		16		J012167			
SKA0028-CALD	QC		17		J012178			
SKA0028-CALE	QC		18		J012179			
SKA0028-CALF	QC		19		J012180			
SKA0028-CALG	QC		20		J012181			
SKA0028-CALH	QC		21		J012182			

Samples Loaded By _____ Date _____

Data Processed By _____ Date _____

GC LOG SUMMARY FOR DATABATCH - fid4a.i\20220106.b

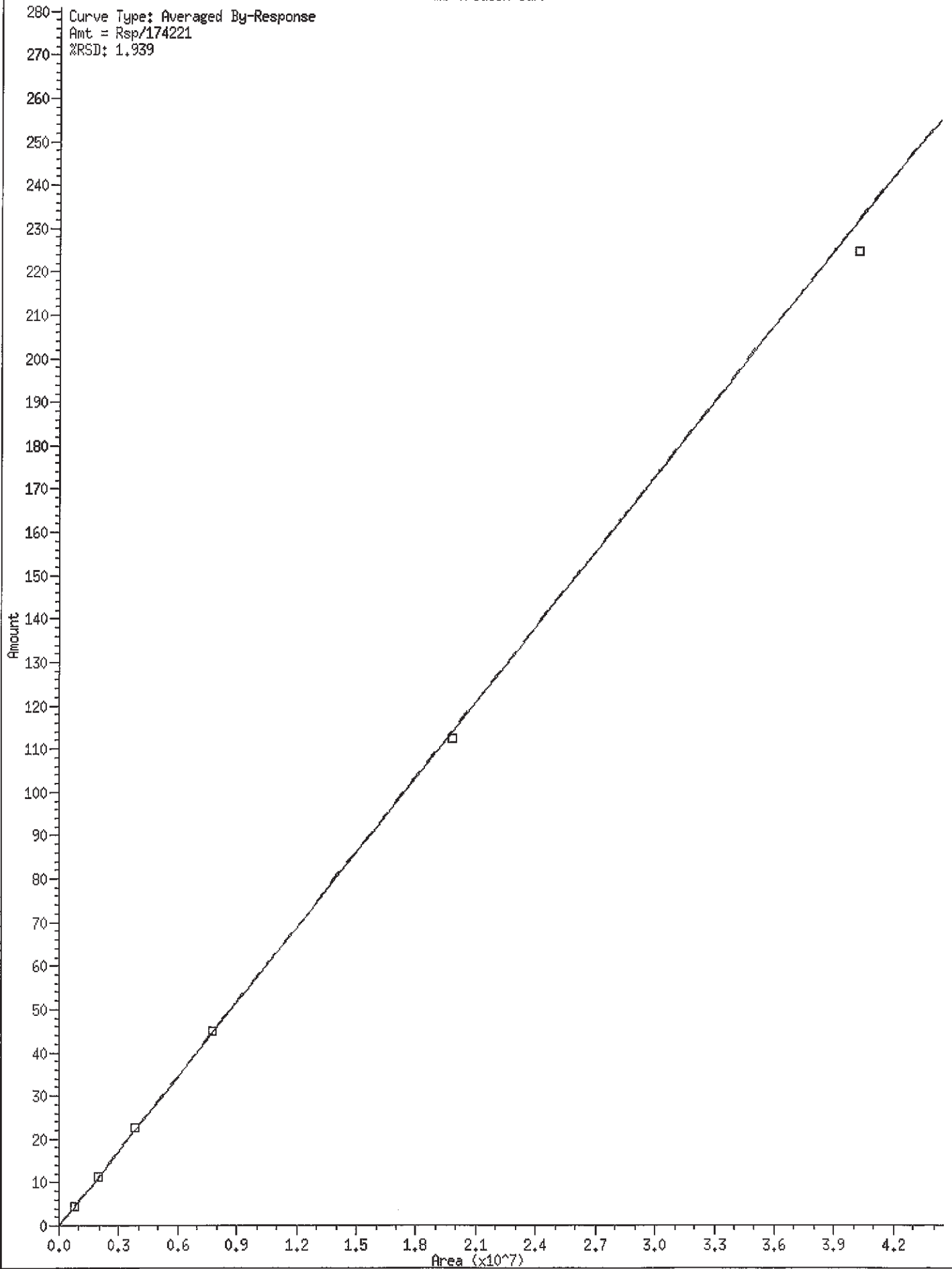
	Inject	Date/Time	Filename	DF	LabID	ClientID
1	06-JAN-2022	09:20	422A0601.D	1	RINSE	
2	06-JAN-2022	09:40	422A0602.D	1	RINSE	
3	06-JAN-2022	09:59	422A0603.D	1	SKA0028-IBL1	
4	06-JAN-2022	10:19	422A0604.D	1	SKA0028-IBL2	
5	06-JAN-2022	10:39	422A0605.D	1	SKA0028-ICV1	
6	06-JAN-2022	10:59	422A0606.D	1	SKA0028-ICV2	
7	06-JAN-2022	11:19	422A0607.D	1	BKA0056-BLK1	
8	06-JAN-2022	11:38	422A0608.D	1	BKA0056-BS1	
9	06-JAN-2022	11:58	422A0609.D	1	BKA0056-MRL1	
10	06-JAN-2022	12:18	422A0610.D	1	BKA0056-MRL2	
11	06-JAN-2022	12:38	422A0611.D	1	22A0041-01	
12	06-JAN-2022	12:58	422A0612.D	10	22A0041-01	
13	06-JAN-2022	13:17	422A0613.D	10	22A0041-02	
14	06-JAN-2022	13:37	422A0614.D	20	22A0041-01	
15	06-JAN-2022	13:57	422A0615.D	20	22A0041-02	
16	06-JAN-2022	14:17	422A0616.D	20	22A0041-03	
17	06-JAN-2022	14:37	422A0617.D	20	22A0041-04	
18	06-JAN-2022	14:56	422A0618.D	1	SKA0028-CCV1	
19	06-JAN-2022	15:16	422A0619.D	1	SKA0028-CCV2	
20	06-JAN-2022	17:04	422A0620.D	1	SKA0028-CAL1	
21	06-JAN-2022	17:24	422A0621.D	1	SKA0028-CAL2	
22	06-JAN-2022	17:44	422A0622.D	1	SKA0028-CAL3	
23	06-JAN-2022	18:04	422A0623.D	1	SKA0028-CAL4	
24	06-JAN-2022	18:23	422A0624.D	1	SKA0028-CAL5	
25	06-JAN-2022	18:43	422A0625.D	1	SKA0028-CAL6	
26	06-JAN-2022	19:03	422A0626.D	1	SKA0028-CAL7	
27	06-JAN-2022	19:23	422A0627.D	1	SKA0028-CAL8	
28	06-JAN-2022	19:43	422A0628.D	1	SKA0028-CAL9	
29	06-JAN-2022	20:02	422A0629.D	1	SKA0028-CALA	
30	06-JAN-2022	20:22	422A0630.D	1	SKA0028-CALB	
31	06-JAN-2022	20:42	422A0631.D	1	SKA0028-CALC	
32	06-JAN-2022	21:02	422A0632.D	1	SKA0028-SCV1	
33	06-JAN-2022	21:21	422A0633.D	1	SKA0028-SCV2	
34	06-JAN-2022	21:41	422A0634.D	1	SKA0028-CALD	
35	06-JAN-2022	22:01	422A0635.D	1	SKA0028-CALE	
36	06-JAN-2022	22:21	422A0636.D	1	SKA0028-CALF	
37	06-JAN-2022	22:40	422A0637.D	1	SKA0028-CALG	
38	06-JAN-2022	23:00	422A0638.D	1	SKA0028-CALH	
39	06-JAN-2022	23:20	422A0639.D	1	SKA0028-CALI	
40	06-JAN-2022	23:40	422A0640.D	1	SKA0028-SCV3	

* 15 Triacon Surr

Curve Type: Averaged By-Response

Amt = Rsp/174221

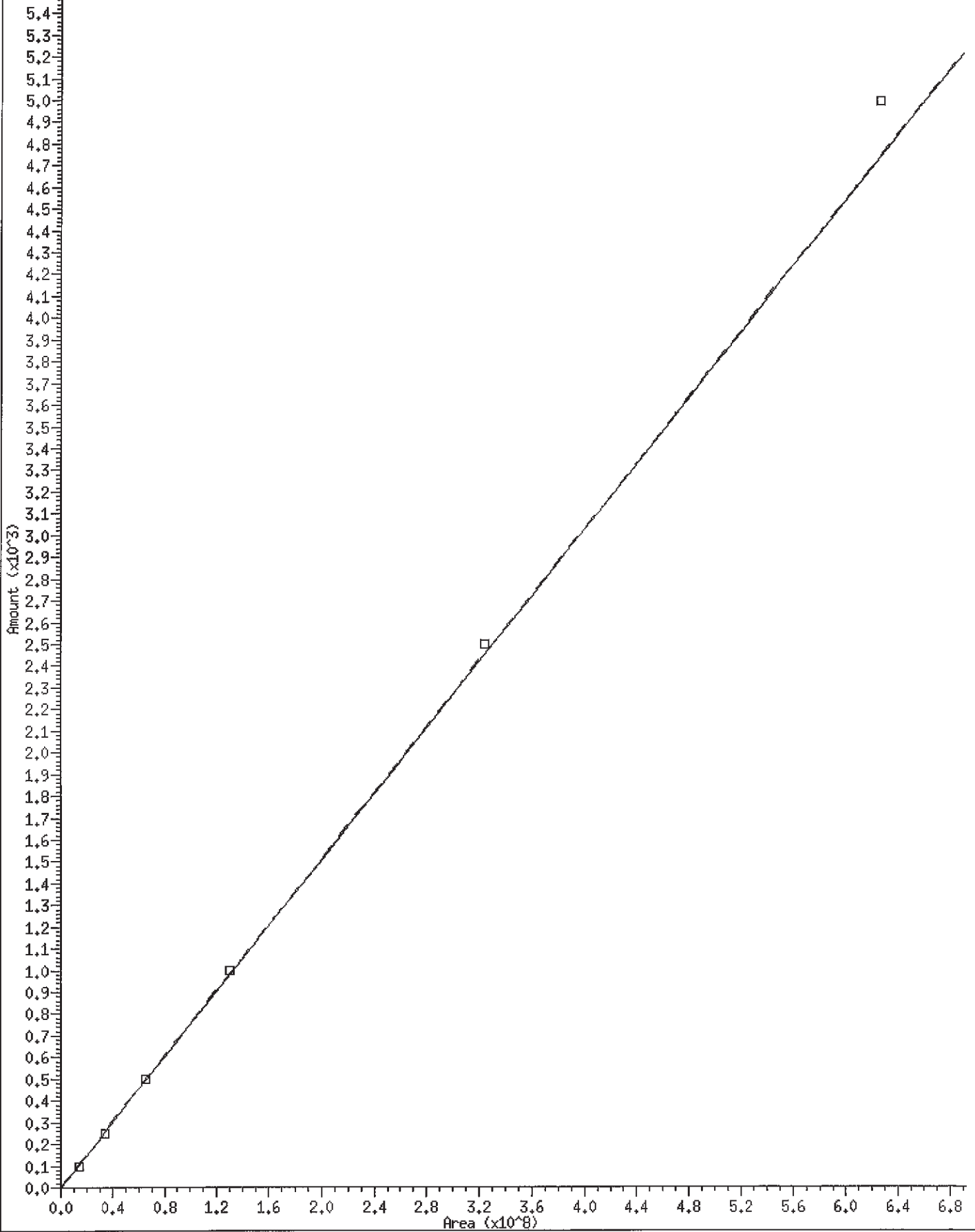
%RSD: 1.939

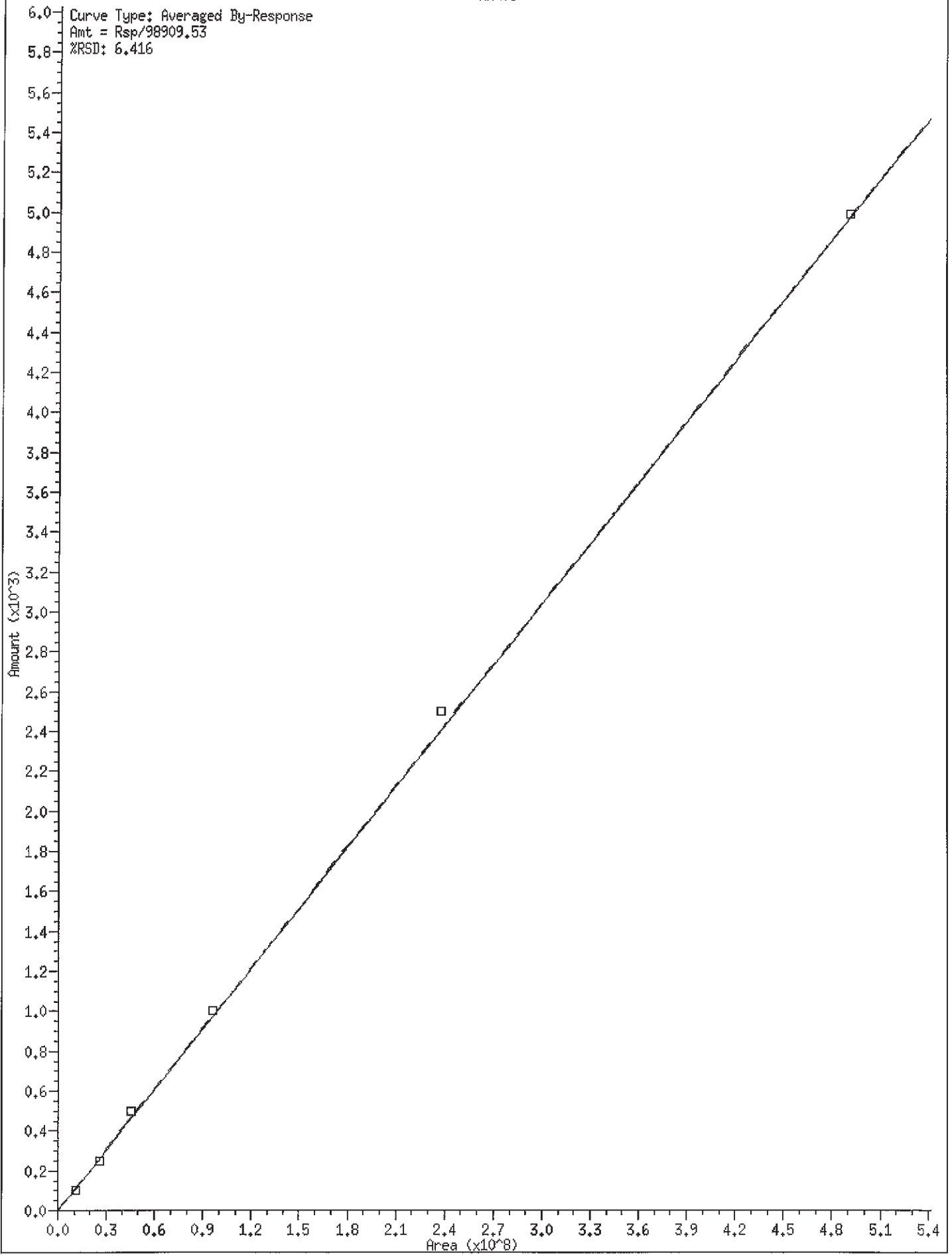


5.7 Curve Type: Averaged By-Response

5.6 Amt = Rsp/132579.1

5.5 %RSD: 4.906

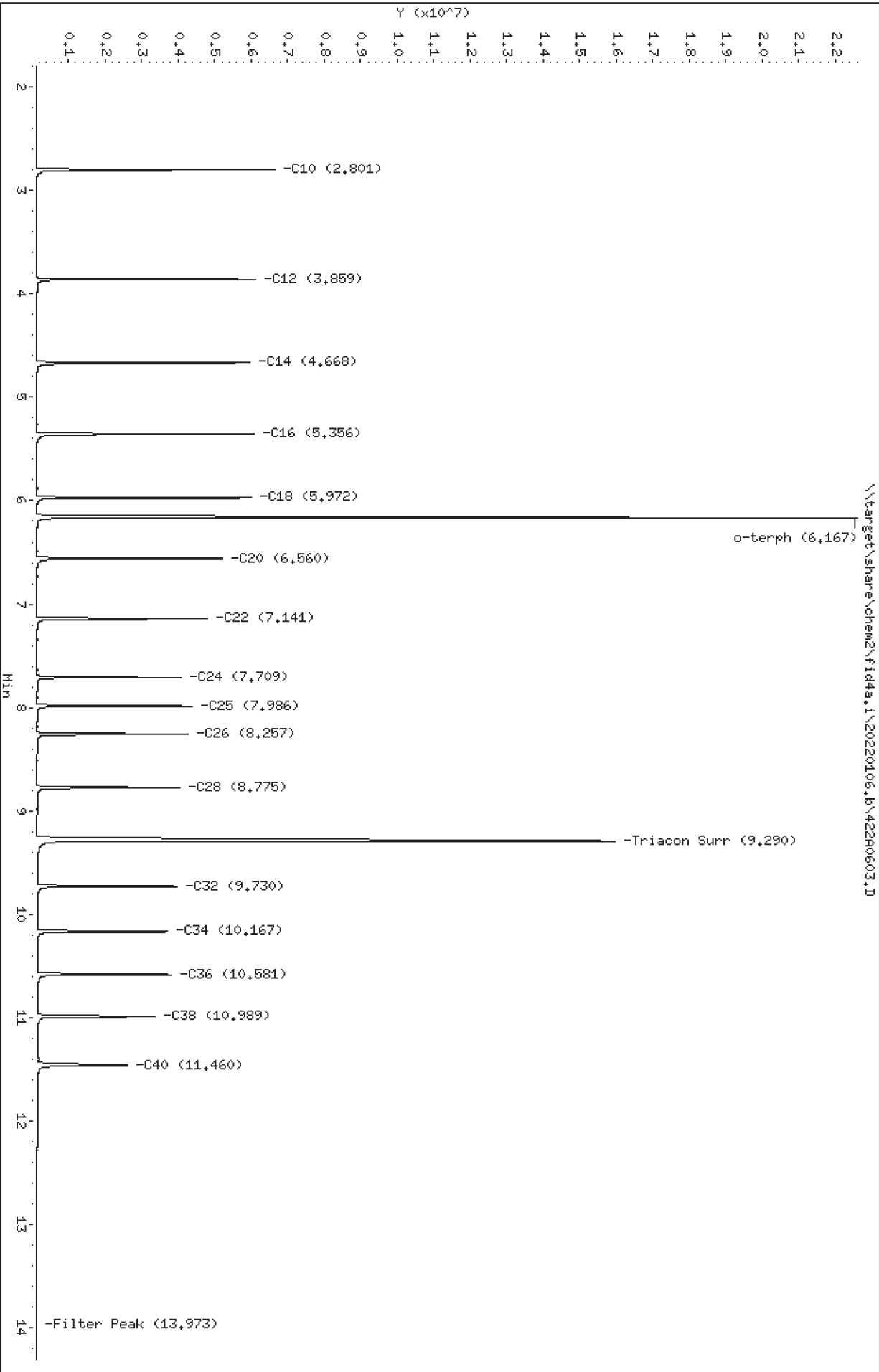




Data File: \\target\share\chem2\fid4a,1\20220106_b\42240603.D
Date : 06-JAN-2022 09:59
Client ID:
Sample Info: SKR0028-IBL1

Column phase: RTX-1

Instrument: fid4a,1
Operator: TMC
Column diameter: 0.25



Analytical Resources Inc.
TPH Quantitation Report

Data file: 20220106.b/422A0603.D
Method: 20220106.b\FID4TPH.m
Instrument: fid4a.i, TWC
Report Date: 01/07/2022
Macro: 09-SEP-2019
Calibration Dates: Gas:XX-XXX-XXXX Diesel:06-DEC-2022 M.Oil:06-DEC-2022

ARI ID: SKA0028-IBL1
Client ID:
Injection: 06-JAN-2022 09:59
Dilution Factor: 1
RT Std: 422A0603.D

FID:4A RESULTS

Compound	RT	Shift	Height	Area	Method	Range	Total Area	Conc (mg/L)
C8	1.566	0.000	6713601	4039787	WATPHD	(C12-C24)	25039660	171.8
C10	2.801	0.000	6536883	4315633	WATPHM	(C24-C38)	28366853	214.0
C12	3.859	0.000	5996498	4131476	AK102	(C10-C25)	33798538	196.2
C14	4.668	0.000	5854462	4184820	AK103	(C25-C36)	23829494	240.9
C16	5.356	0.000	5963937	4127029	OR.DIES	(C10-C28)	45179025	260.0
C18	5.972	0.000	5885012	4061247				
C20	6.560	0.000	5093441	4004125				
C22	7.141	0.000	4686847	3888196				
C24	7.709	0.000	3978753	3286889				
C25	7.986	0.000	4279511	3648257				
C26	8.257	0.000	4166577	3725307				
C28	8.775	0.000	3937835	3595457				
C32	9.730	0.000	3839649	3755061				
C34	10.167	0.000	3575886	3656599				
Filter Peak	13.973	0.000	14079	6183				
C36	10.581	0.000	3708443	3634457				
C38	10.989	0.000	3260642	3846028				
C40	11.460	0.000	2490894	3636263				
o-terph	6.167	0.000	22482578	21984004				
Triacon Surr	9.290	0.000	15855592	21633183	NAS DIES	(C10-C24)	33658258	196.0

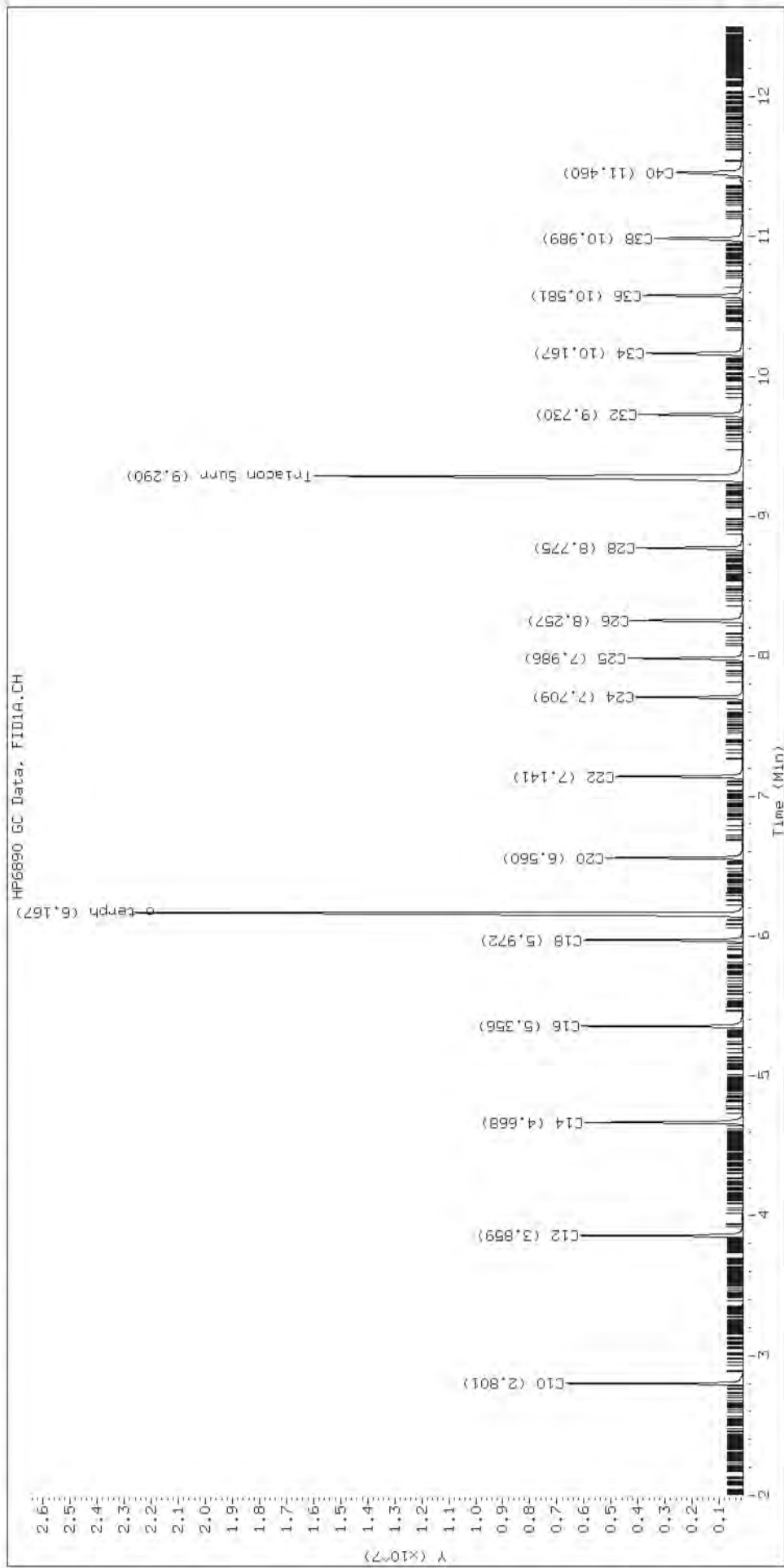
Range Times: NW Diesel(3.859 - 7.709) AK102(2.80 - 7.99) Jet A(2.80 - 5.97)
NW M.Oil(7.71 - 10.99) AK103(7.99 - 10.58) OR Diesel(2.80 - 8.78)

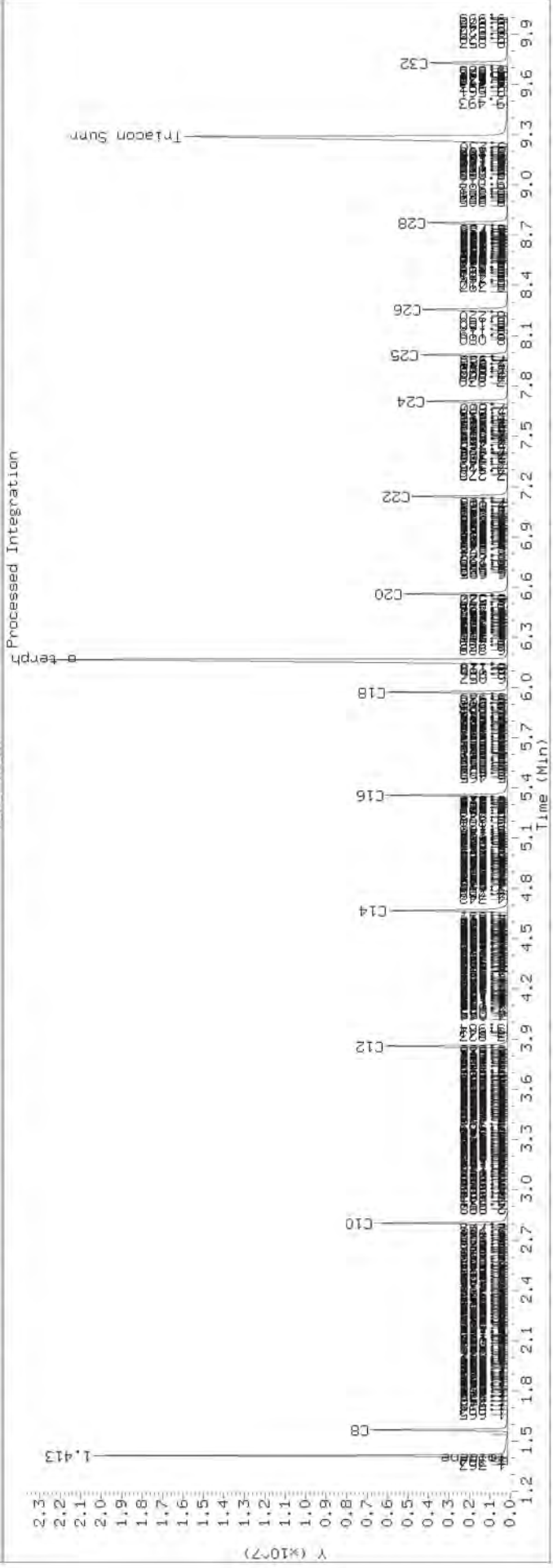
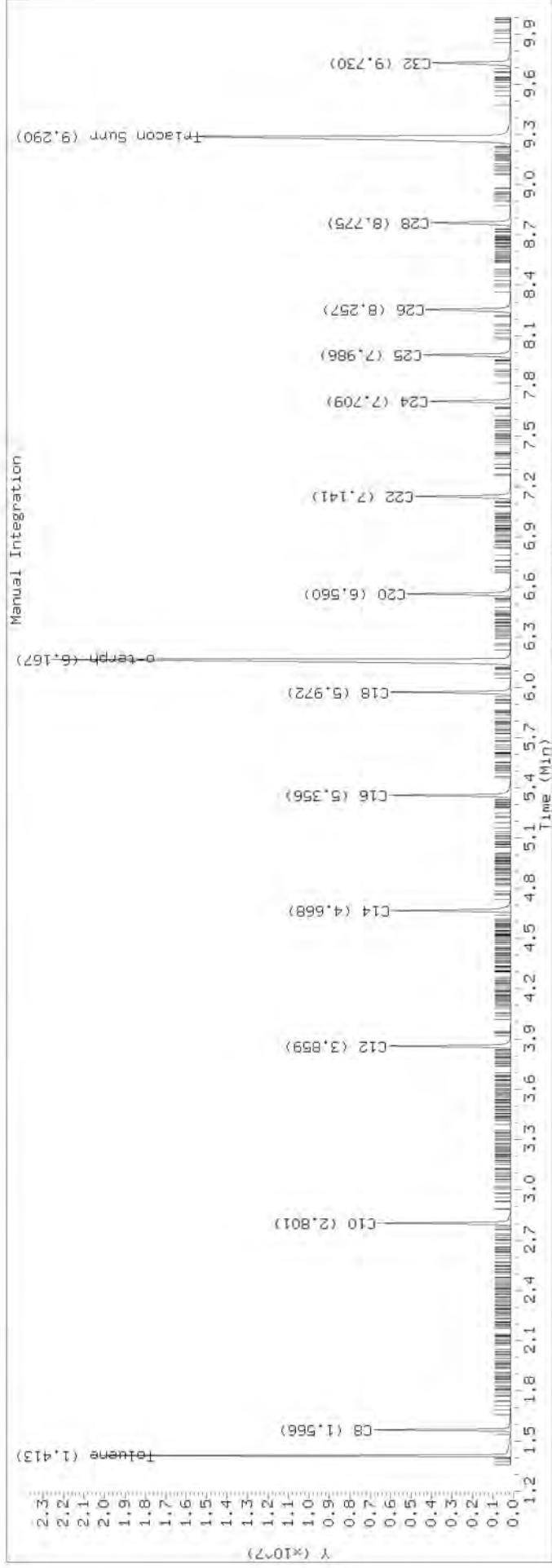
Surrogate	Area	Amount
o-Terphenyl	21984004	114.5
Triacontane	21633183	124.2

M Indicates the peak was manually integrated

Analyte	RF	Curve Date
o-Terph Surr	192003.9	
Triacon Surr	174221.0	
Gas	15000.0	XX-XXX-XXXX
Diesel	145750.5	06-DEC-2022
Motor Oil	132579.1	06-DEC-2022
AK102	172235.6	06-DEC-2022
AK103	98909.5	06-DEC-2022
OR Diesel	173767.2	06-DEC-2022
NAS Diesel	171749.5	06-DEC-2022

Datafile: FID4A, 20220106.b/422A0603.D SKA0028-IBL1





Data File: \\target\share\chem2\fid4a,1\20220106,b\42240604.D

Date : 06-JAN-2022 10:19

Client ID:

Sample Info: SKR0028-IBL2

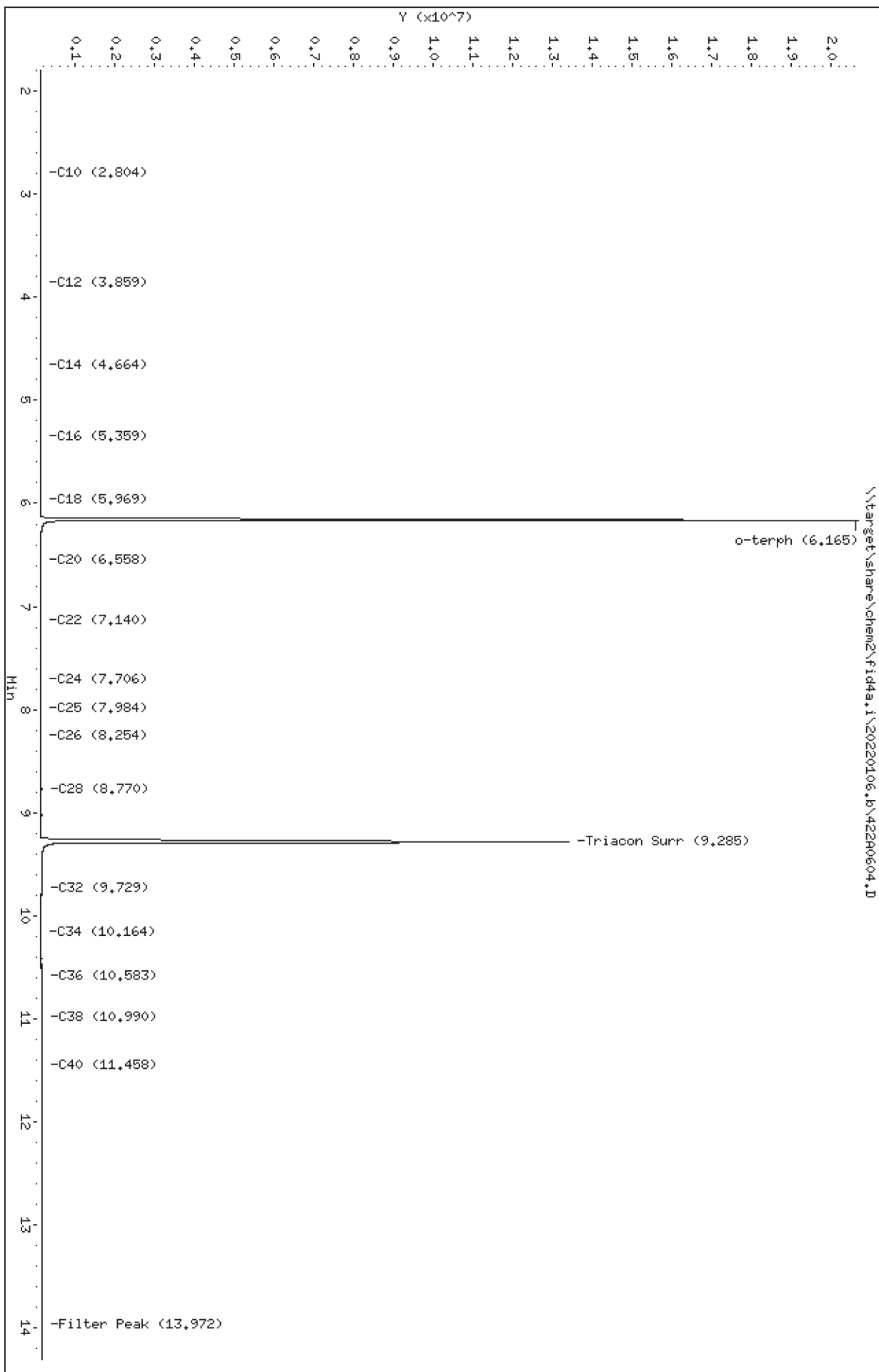
Column phase: RTX-1

Instrument: fid4a,1

Operator: TMC

Column diameter: 0.25

Page 1



Analytical Resources Inc.
TPH Quantitation Report

Data file: 20220106.b/422A0604.D
Method: 20220106.b\FID4TPH.m
Instrument: fid4a.i, TWC
Report Date: 01/07/2022
Macro: 09-SEP-2019
Calibration Dates: Gas:XX-XXX-XXXX Diesel:06-DEC-2022 M.Oil:06-DEC-2022

ARI ID: SKA0028-IBL2
Client ID:
Injection: 06-JAN-2022 10:19
Dilution Factor: 1
RT Std: 422A0603.D

FID:4A RESULTS

Compound	RT	Shift	Height	Area	Method	Range	Total Area	Conc (mg/L)
C8	1.559	-0.008	19299	11444	WATPHD	(C12-C24)	622077	4.3
C10	2.804	0.003	10342	8454	WATPHM	(C24-C38)	2333932	17.6
C12	3.859	-0.000	7697	1914	AK102	(C10-C25)	1293098	7.5
C14	4.664	-0.004	4159	2417	AK103	(C25-C36)	1797549	18.2
C16	5.359	0.002	914	207	OR.DIES	(C10-C28)	1589947	9.1
C18	5.969	-0.003	462	129				
C20	6.558	-0.002	3676	1619				
C22	7.140	-0.001	2659	646				
C24	7.706	-0.003	3951	1720				
C25	7.984	-0.002	4536	2462				
C26	8.254	-0.004	5187	4697				
C28	8.770	-0.005	39782	48787				
C32	9.729	-0.001	29141	49217				
C34	10.164	-0.003	15846	10202				
Filter Peak	13.972	-0.001	22292	8869				
C36	10.583	0.001	18551	7386				
C38	10.990	0.001	21344	10622				
C40	11.458	-0.002	22810	13640				
o-terph	6.165	-0.002	20576644	20107672				
Triacon Surr	9.285	-0.004	13279811	16645751	NAS DIES	(C10-C24)	1251413	7.3

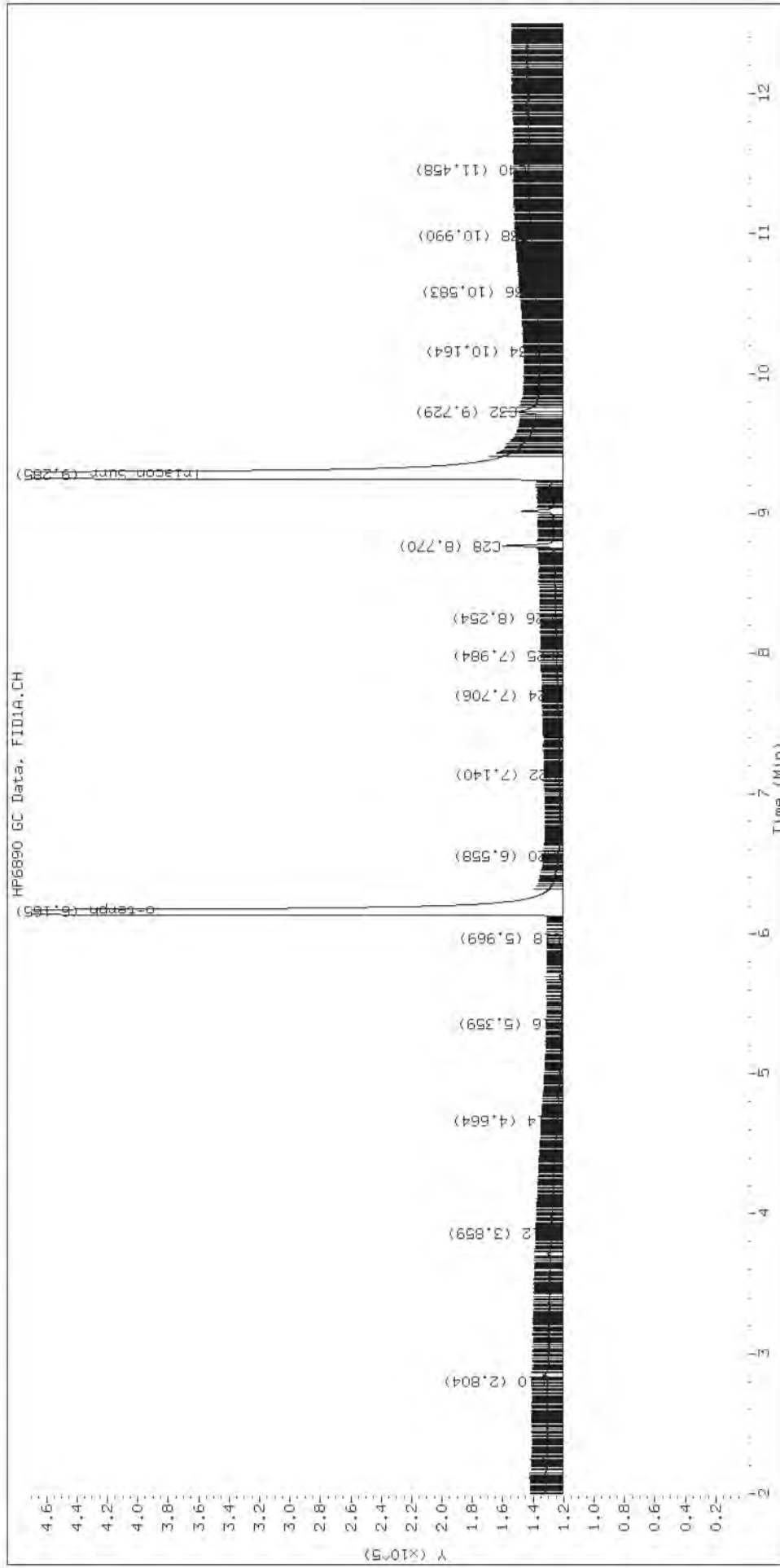
Range Times: NW Diesel(3.859 - 7.709) AK102(2.80 - 7.99) Jet A(2.80 - 5.97)
NW M.Oil(7.71 - 10.99) AK103(7.99 - 10.58) OR Diesel(2.80 - 8.78)

Surrogate	Area	Amount
o-Terphenyl	20107672	104.7
Triacontane	16645751	95.5

M Indicates the peak was manually integrated

Analyte	RF	Curve Date
o-Terph Surr	192003.9	
Triacon Surr	174221.0	
Gas	15000.0	XX-XXX-XXXX
Diesel	145750.5	06-DEC-2022
Motor Oil	132579.1	06-DEC-2022
AK102	172235.6	06-DEC-2022
AK103	98909.5	06-DEC-2022
OR Diesel	173767.2	06-DEC-2022
NAS Diesel	171749.5	06-DEC-2022

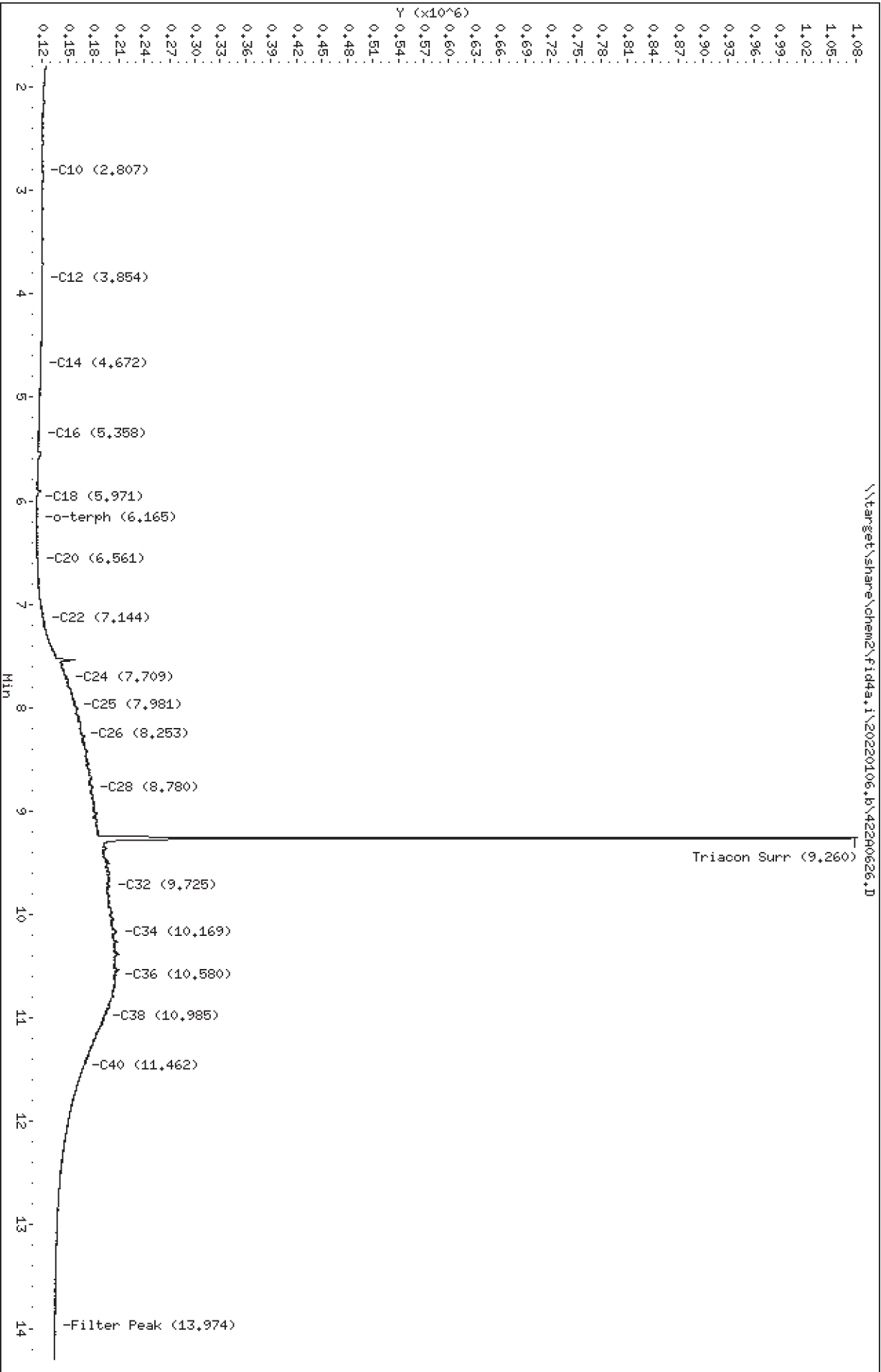
Datafile: FID4A, 20220106.b/422A0604.D SKA0028-IBL2



Data File: \\target\share\chem2\fid4a,1\20220106_b\42240626.D
 Date: 06-JAN-2022 19:03
 Client ID:
 Sample Info: SKR0028-CAL7

Column phase: RTX-1

Instrument: fid4a,1
 Operator: TMC
 Column diameter: 0.25



Analytical Resources Inc.
TPH Quantitation Report

Data file: 20220106.b/422A0626.D
Method: 20220106.b\FID4TPH.m
Instrument: fid4a.i, TWC
Report Date: 01/07/2022
Macro: 09-SEP-2019
Calibration Dates: Gas:XX-XXX-XXXX Diesel:06-DEC-2022 M.Oil:06-DEC-2022

ARI ID: SKA0028-CAL7
Client ID:
Injection: 06-JAN-2022 19:03
Dilution Factor: 1
RT Std: 422A0603.D

FID:4A RESULTS

Compound	RT	Shift	Height	Area	Method	Range	Total Area	Conc (mg/L)
C8	1.567	0.001	17629	12134	WATPHD	(C12-C24)	1428990	9.8
C10	2.807	0.006	7315	5700	WATPHM	(C24-C38)	14418390	108.8
C12	3.854	-0.005	6863	3745	AK102	(C10-C25)	2314627	13.4
C14	4.672	0.004	4948	1225	AK103	(C25-C36)	11930212	120.6
C16	5.358	0.002	2549	743	OR.DIES	(C10-C28)	5302500	30.5
C18	5.971	-0.001	466	165				
C20	6.561	0.002	1433	294				
C22	7.144	0.002	8558	5362				
C24	7.709	-0.000	35231	7021				
C25	7.981	-0.005	45824	15837				
C26	8.253	-0.004	53409	34474				
C28	8.780	0.005	65326	35831				
C32	9.725	-0.005	86340	63871				
C34	10.169	0.002	95121	70488				
Filter Peak	13.974	0.001	21668	9718				
C36	10.580	-0.001	93623	60434				
C38	10.985	-0.004	79927	51632				
C40	11.462	0.002	55525	16626				
o-terph	6.165	-0.003	642	355				
Triacon Surr	9.260	-0.029	895649	780573	NAS DIES	(C10-C24)	1888344	11.0

Range Times: NW Diesel(3.859 - 7.709) AK102(2.80 - 7.99) Jet A(2.80 - 5.97)
NW M.Oil(7.71 - 10.99) AK103(7.99 - 10.58) OR Diesel(2.80 - 8.78)

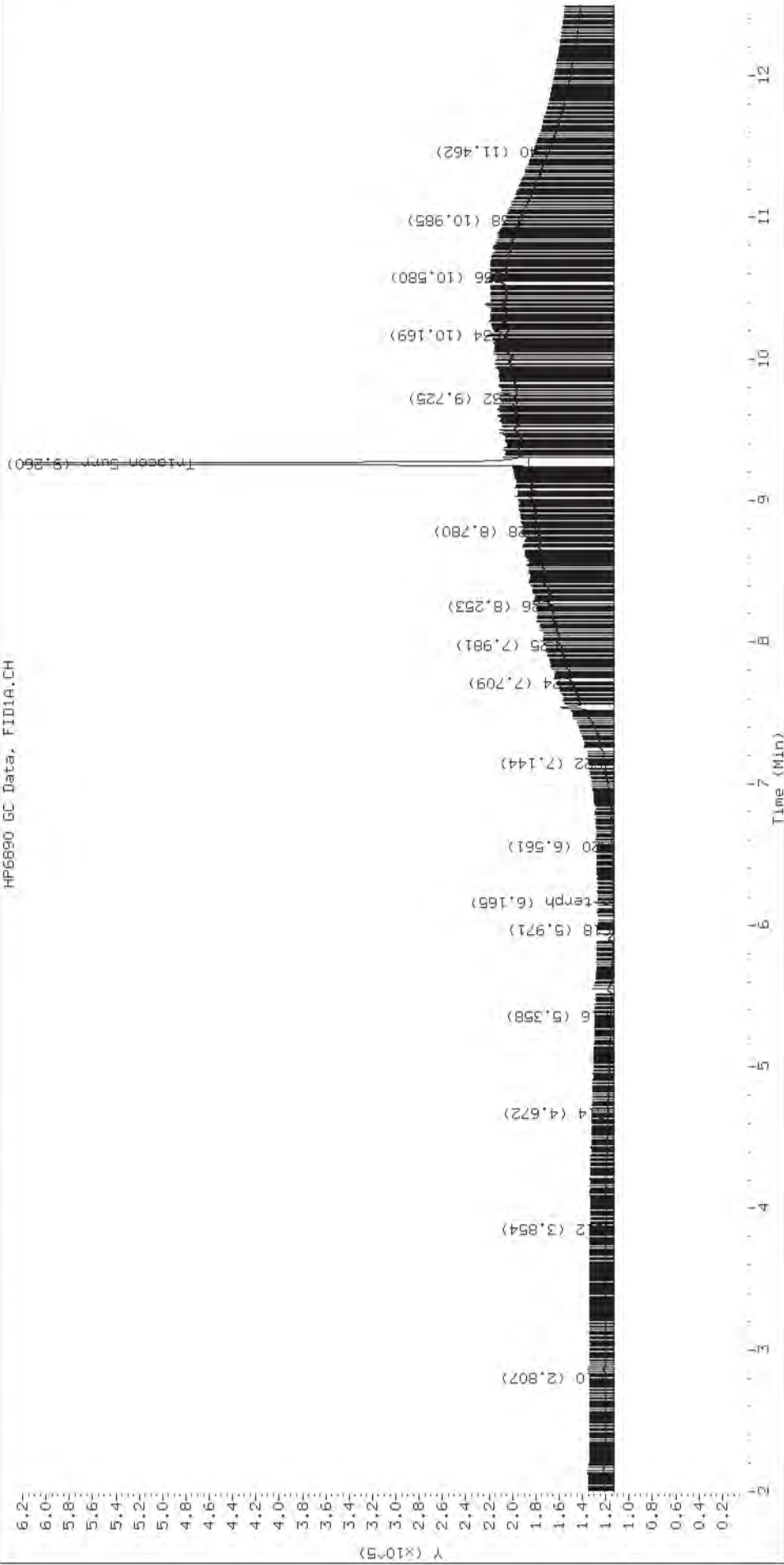
Surrogate	Area	Amount
o-Terphenyl	355	0.0
Triacontane	780573	4.5 M

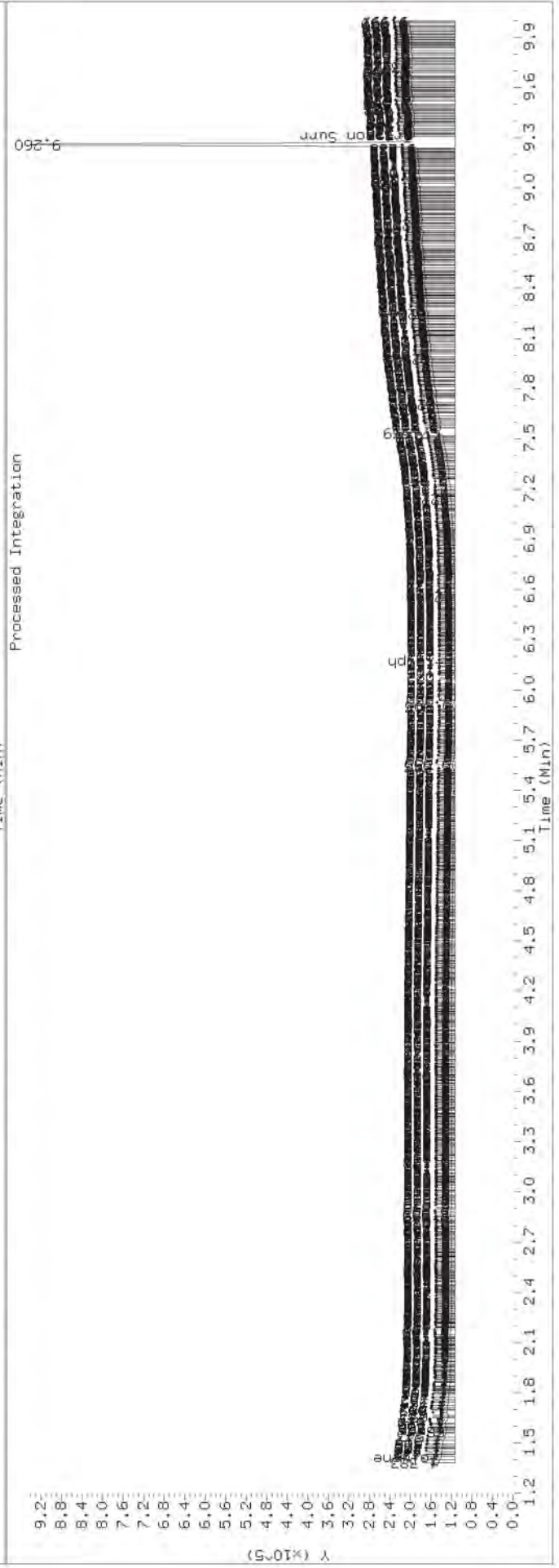
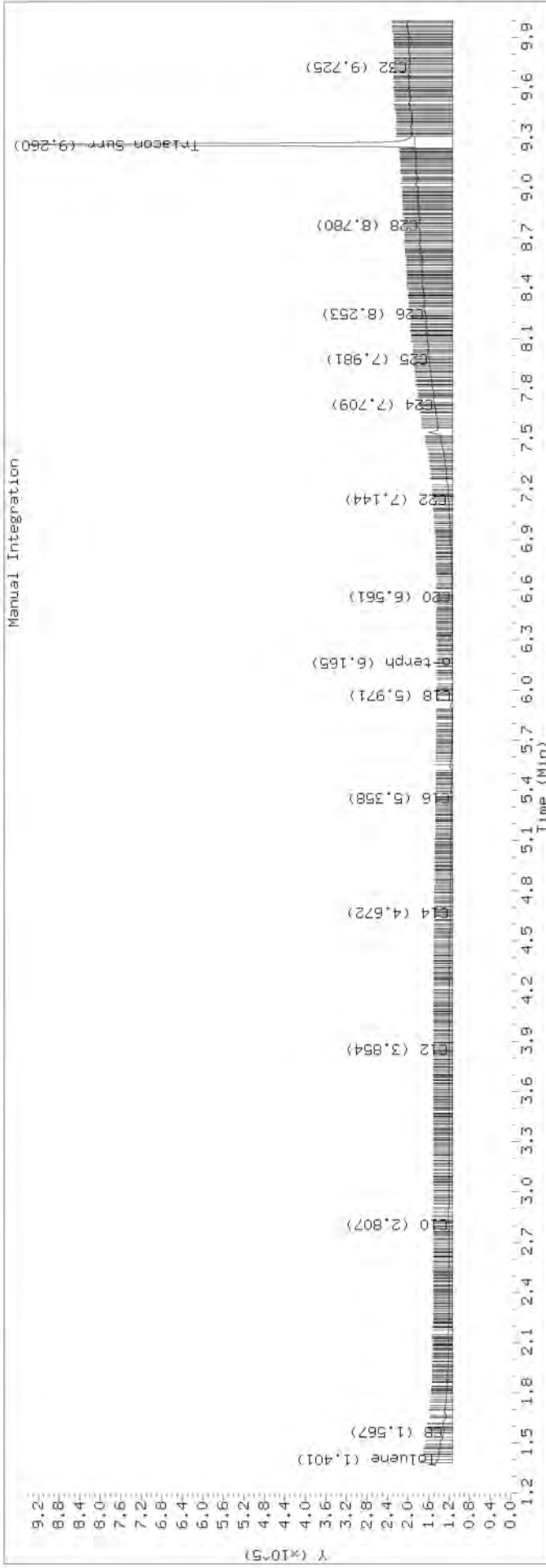
M Indicates the peak was manually integrated

Analyte	RF	Curve Date
o-Terph Surr	192003.9	
Triacon Surr	174221.0	
Gas	15000.0	XX-XXX-XXXX
Diesel	145750.5	06-DEC-2022
Motor Oil	132579.1	06-DEC-2022
AK102	172235.6	06-DEC-2022
AK103	98909.5	06-DEC-2022
OR Diesel	173767.2	06-DEC-2022
NAS Diesel	171749.5	06-DEC-2022

Datafile: FID4A, 20220106.b/422A0626.D SKA0028-CAL7

HP6890 GC Data, FID1A.CH





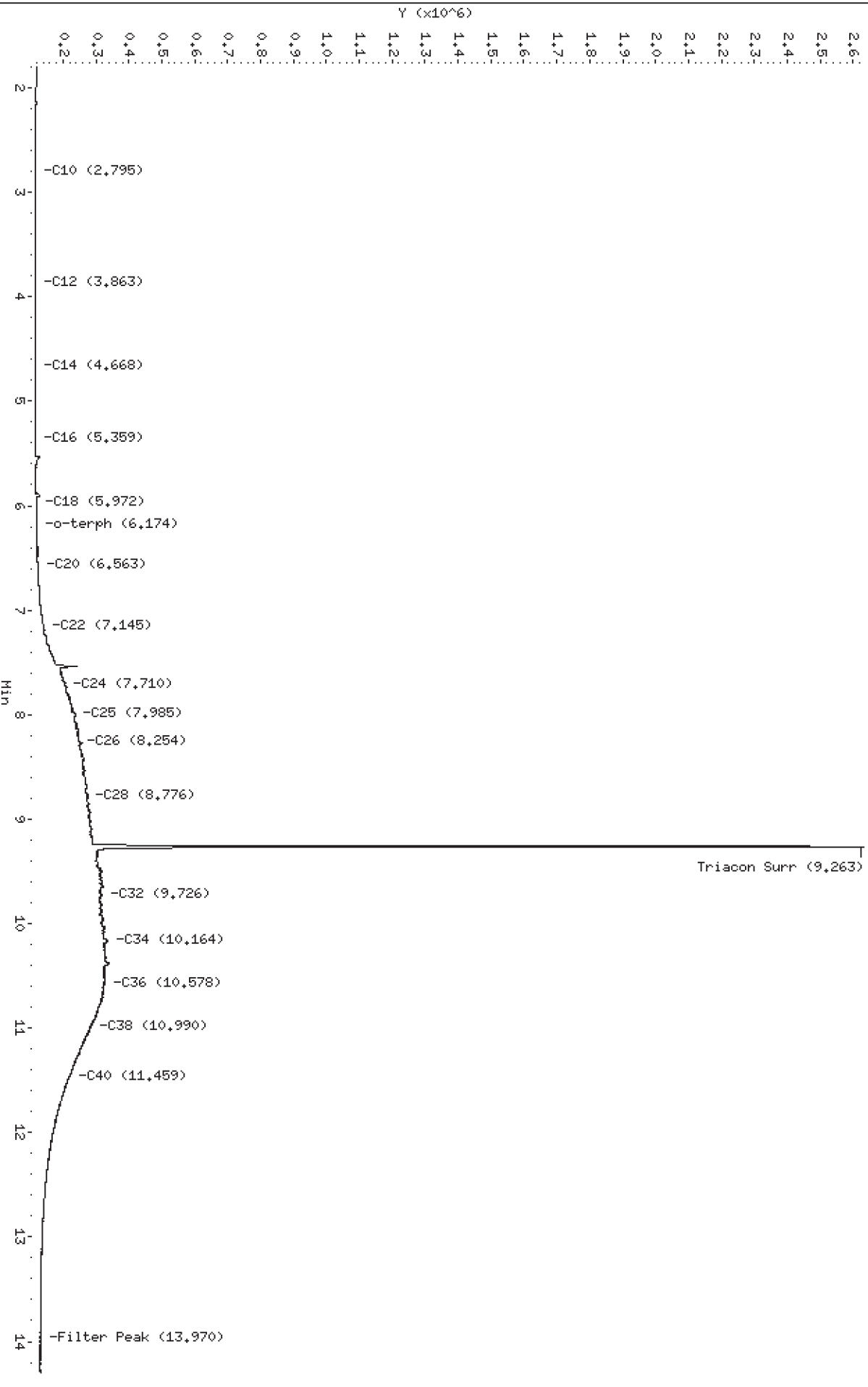
Data File: \\target\share\chem2\fid4a,1\20220106_b\422R0627.D
Date: 06-JAN-2022 19:23
Client ID:
Sample Info: SKR0028-CAL8

Instrument: fid4a,1

Column phase: RTX-1

Operator: TMC
Column diameter: 0.25

\\target\share\chem2\fid4a,1\20220106_b\422R0627.D



Analytical Resources Inc.
TPH Quantitation Report

Data file: 20220106.b/422A0627.D
Method: 20220106.b\FID4TPH.m
Instrument: fid4a.i, TWC
Report Date: 01/07/2022
Macro: 09-SEP-2019
Calibration Dates: Gas:XX-XXX-XXXX Diesel:06-DEC-2022 M.Oil:06-DEC-2022

ARI ID: SKA0028-CAL8
Client ID:
Injection: 06-JAN-2022 19:23
Dilution Factor: 1
RT Std: 422A0603.D

FID:4A RESULTS

Compound	RT	Shift	Height	Area	Method	Range	Total Area	Conc (mg/L)
C8	1.564	-0.002	10974	5451	WATPHD	(C12-C24)	2859083	19.6
C10	2.795	-0.006	709	310	WATPHM	(C24-C38)	33910212	255.8
C12	3.863	0.005	301	110	AK102	(C10-C25)	3974861	23.1
C14	4.668	-0.000	959	351	AK103	(C25-C36)	28362150	286.7
C16	5.359	0.003	1341	1255	OR.DIES	(C10-C28)	11300132	65.0
C18	5.972	-0.000	2547	737				
C20	6.563	0.004	8305	10153				
C22	7.145	0.004	24838	24382				
C24	7.710	0.001	89563	22309				
C25	7.985	-0.001	118154	98497				
C26	8.254	-0.003	131978	52511				
C28	8.776	0.001	158032	39436				
C32	9.726	-0.004	204424	200858				
C34	10.164	-0.003	219294	141700				
Filter Peak	13.970	-0.003	15114	5260				
C36	10.578	-0.003	210164	104564				
C38	10.990	0.001	167544	83266				
C40	11.459	-0.000	104690	57072				
o-terph	6.174	0.007	3070	1055				
Triacon Surr	9.263	-0.026	2341627	1948565	NAS DIES	(C10-C24)	2883231	16.8

Range Times: NW Diesel(3.859 - 7.709) AK102(2.80 - 7.99) Jet A(2.80 - 5.97)
NW M.Oil(7.71 - 10.99) AK103(7.99 - 10.58) OR Diesel(2.80 - 8.78)

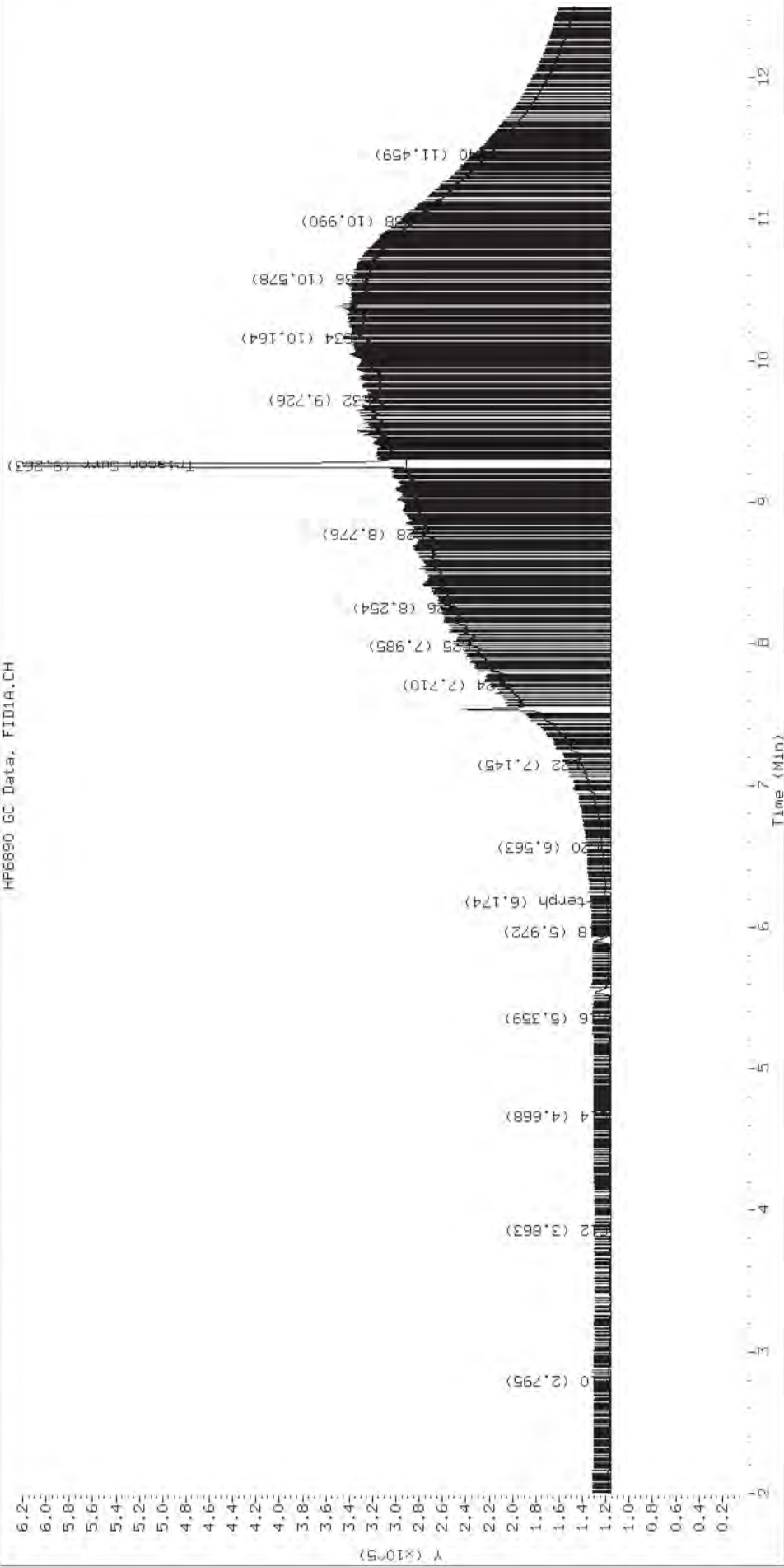
Surrogate	Area	Amount
o-Terphenyl	1055	0.0
Triacontane	1948565	11.2 M

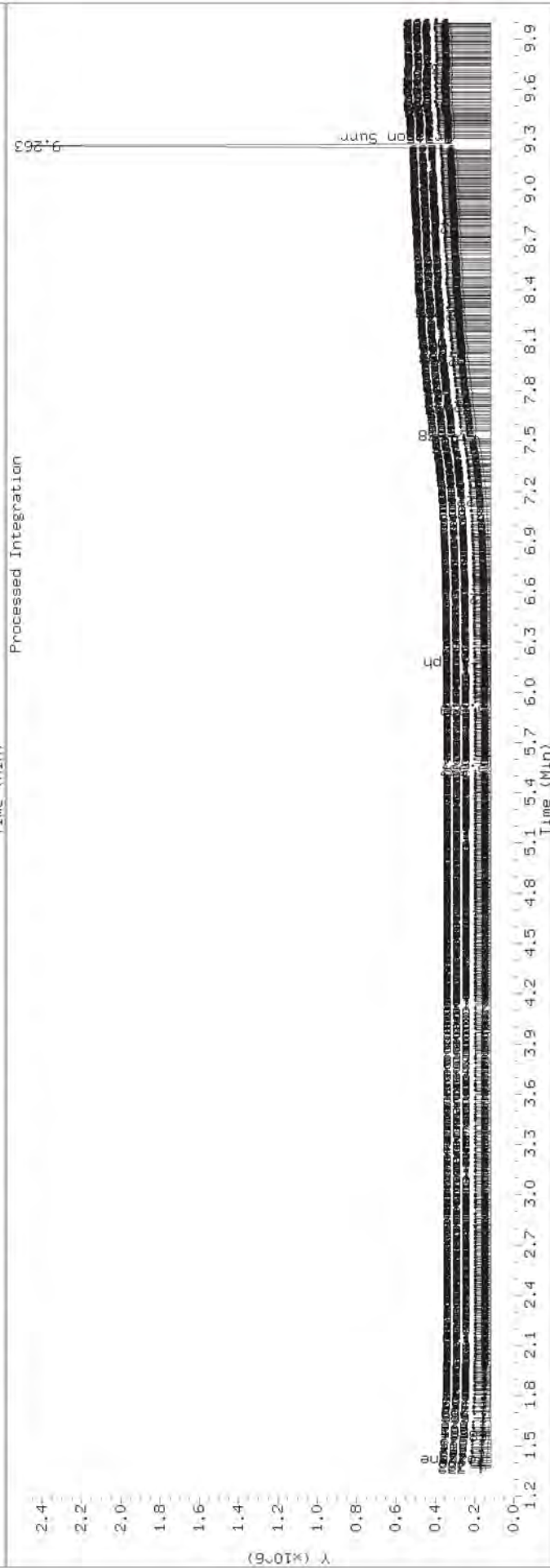
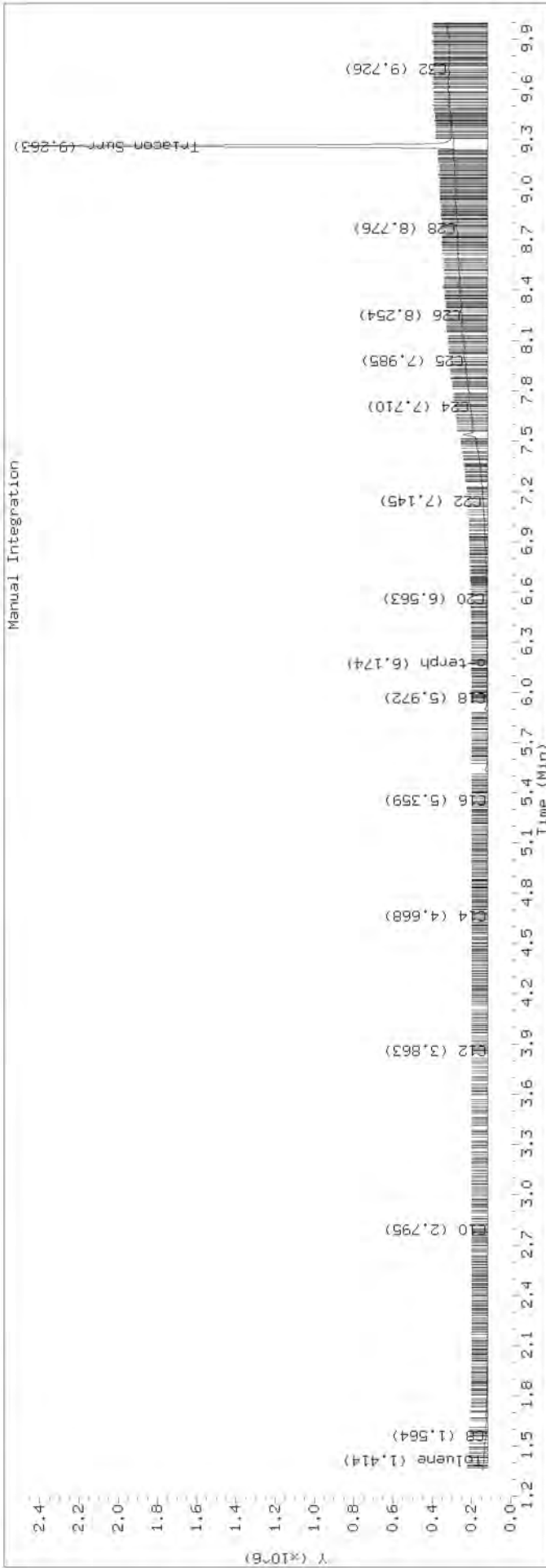
M Indicates the peak was manually integrated

Analyte	RF	Curve Date
o-Terph Surr	192003.9	
Triacon Surr	174221.0	
Gas	15000.0	XX-XXX-XXXX
Diesel	145750.5	06-DEC-2022
Motor Oil	132579.1	06-DEC-2022
AK102	172235.6	06-DEC-2022
AK103	98909.5	06-DEC-2022
OR Diesel	173767.2	06-DEC-2022
NAS Diesel	171749.5	06-DEC-2022

Datafile: FID4A, 20220106.b/422A0627.D SKA0028-CAL8

HP6890 GC Data, FID1A.CH

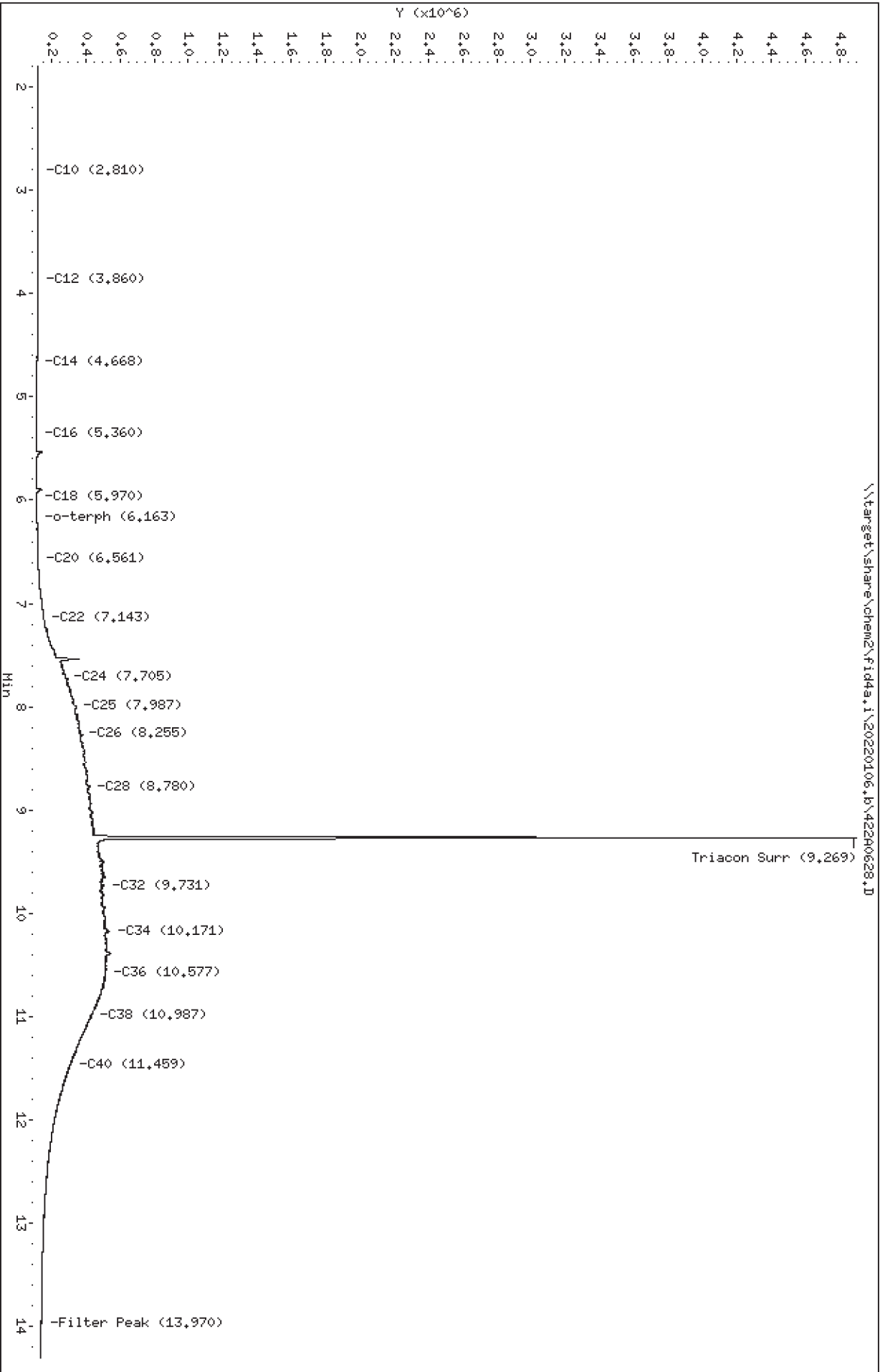




Data File: \\target\share\chem2\fid4a,1\20220106,b\42240628.D
Date: 06-JAN-2022 19:43
Client ID:
Sample Info: SKR0028-CAL9

Column phase: RTX-1

Instrument: fid4a,1
Operator: TMC
Column diameter: 0.25



Analytical Resources Inc.
TPH Quantitation Report

Data file: 20220106.b/422A0628.D
Method: 20220106.b\FID4TPH.m
Instrument: fid4a.i, TWC
Report Date: 01/07/2022
Macro: 09-SEP-2019
Calibration Dates: Gas:XX-XXX-XXXX Diesel:06-DEC-2022 M.Oil:06-DEC-2022

ARI ID: SKA0028-CAL9
Client ID:
Injection: 06-JAN-2022 19:43
Dilution Factor: 1
RT Std: 422A0603.D

FID:4A RESULTS

Compound	RT	Shift	Height	Area	Method	Range	Total Area	Conc (mg/L)
C8	1.561	-0.005	18899	18490	WATPHD	(C12-C24)	5267715	36.1
C10	2.810	0.009	7809	6657	WATPHM	(C24-C38)	65361242	493.0
C12	3.860	0.002	6145	3630	AK102	(C10-C25)	7695397	44.7
C14	4.668	-0.000	3930	3869	AK103	(C25-C36)	54505288	551.1
C16	5.360	0.003	880	170	OR.DIES	(C10-C28)	21861512	125.8
C18	5.970	-0.002	1438	845				
C20	6.561	0.002	11665	15498				
C22	7.143	0.002	44022	42387				
C24	7.705	-0.003	169267	59011				
C25	7.987	0.001	227115	166595				
C26	8.255	-0.002	254374	63387				
C28	8.780	0.005	305712	121521				
C32	9.731	0.002	392327	135919				
C34	10.171	0.004	423466	189821				
Filter Peak	13.970	-0.003	28198	15418				
C36	10.577	-0.004	403448	160577				
C38	10.987	-0.002	321415	144011				
C40	11.459	-0.001	199069	49536				
o-terph	6.163	-0.004	2391	1211				
Triacon Surr	9.269	-0.021	4456889	3832767	NAS DIES	(C10-C24)	5689375	33.1

Range Times: NW Diesel(3.859 - 7.709) AK102(2.80 - 7.99) Jet A(2.80 - 5.97)
NW M.Oil(7.71 - 10.99) AK103(7.99 - 10.58) OR Diesel(2.80 - 8.78)

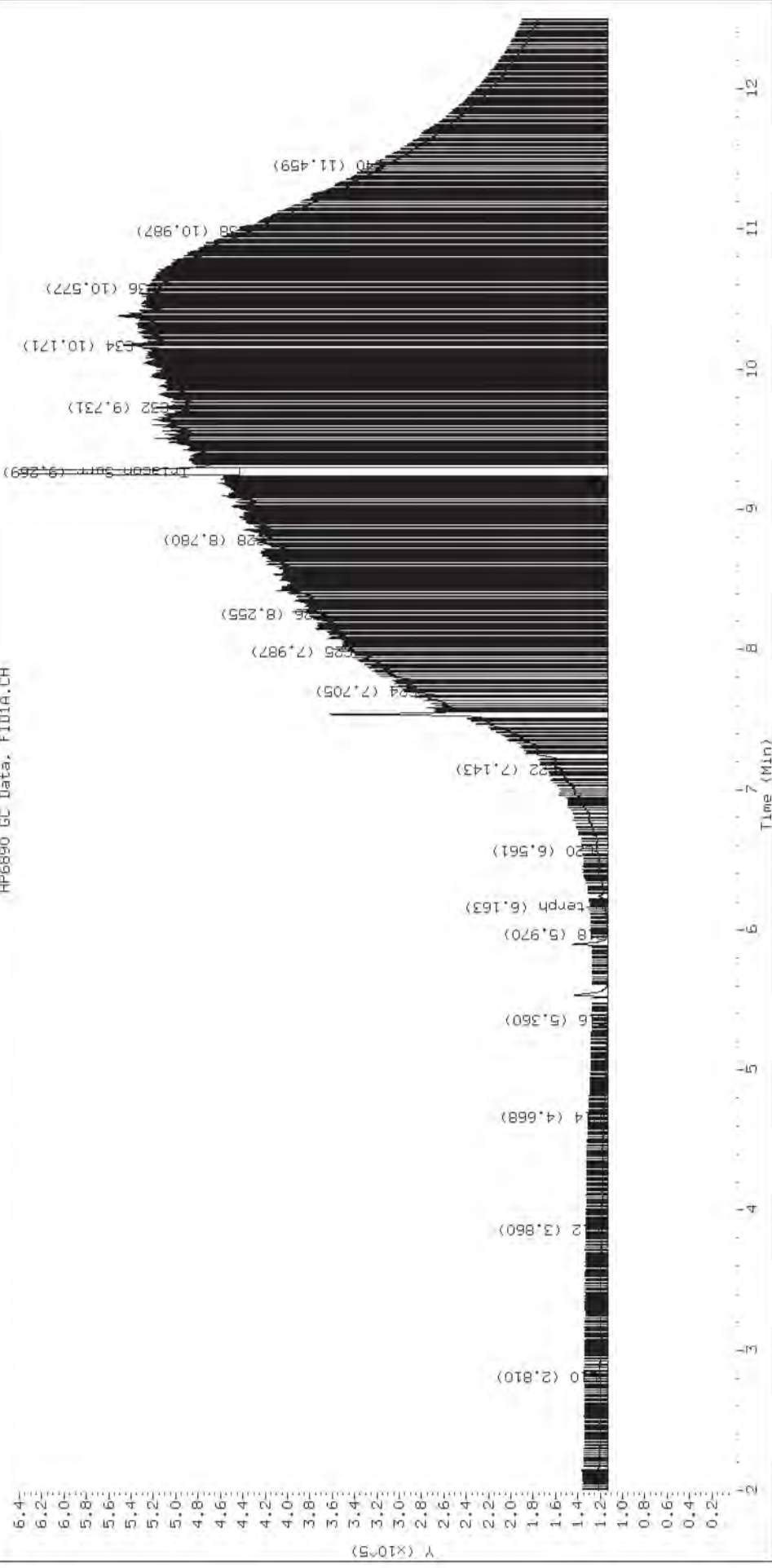
Surrogate	Area	Amount
o-Terphenyl	1211	0.0
Triacontane	3832767	22.0 M

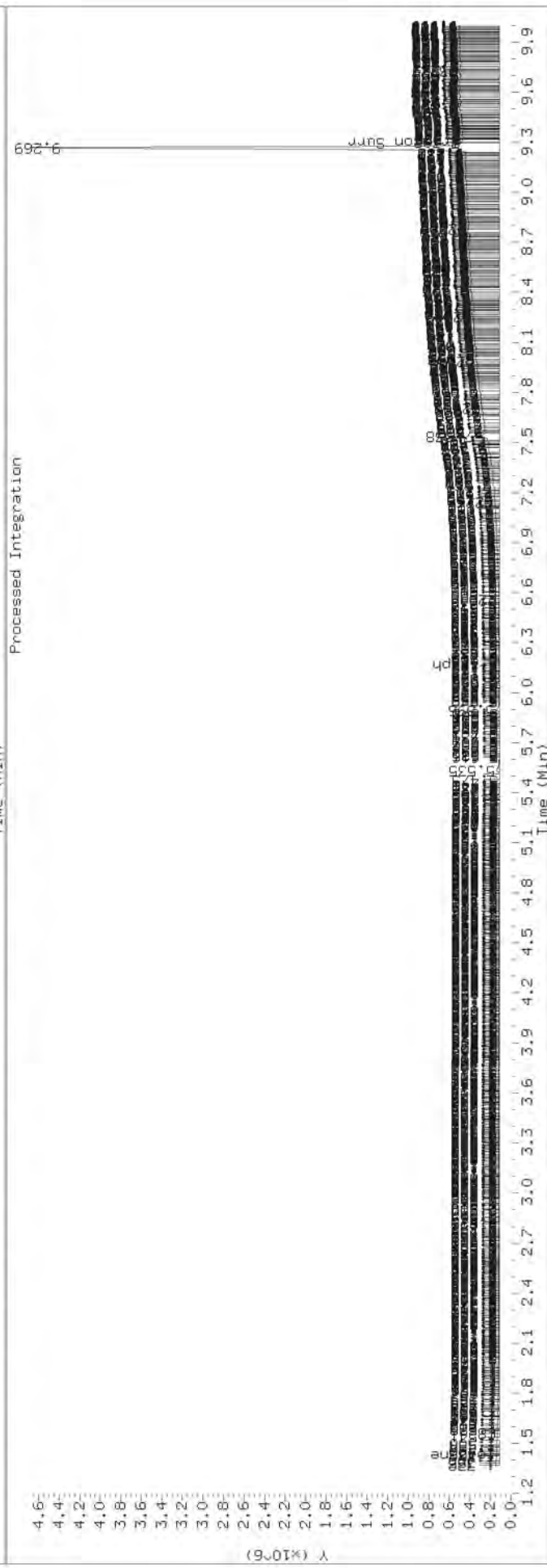
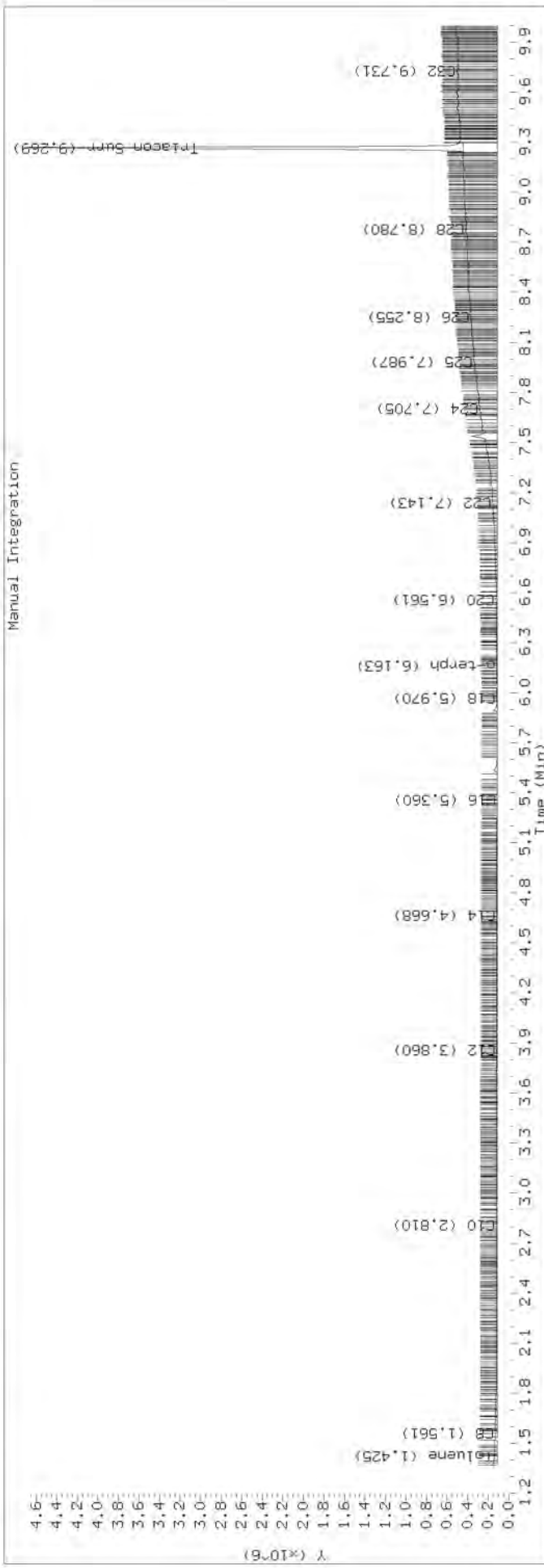
M Indicates the peak was manually integrated

Analyte	RF	Curve Date
o-Terph Surr	192003.9	
Triacon Surr	174221.0	
Gas	15000.0	XX-XXX-XXXX
Diesel	145750.5	06-DEC-2022
Motor Oil	132579.1	06-DEC-2022
AK102	172235.6	06-DEC-2022
AK103	98909.5	06-DEC-2022
OR Diesel	173767.2	06-DEC-2022
NAS Diesel	171749.5	06-DEC-2022

Datafile: FID4A, 20220106.b/422A0628.D SKA0028-CAL9

HP6890 GC Data, FID1A.CH

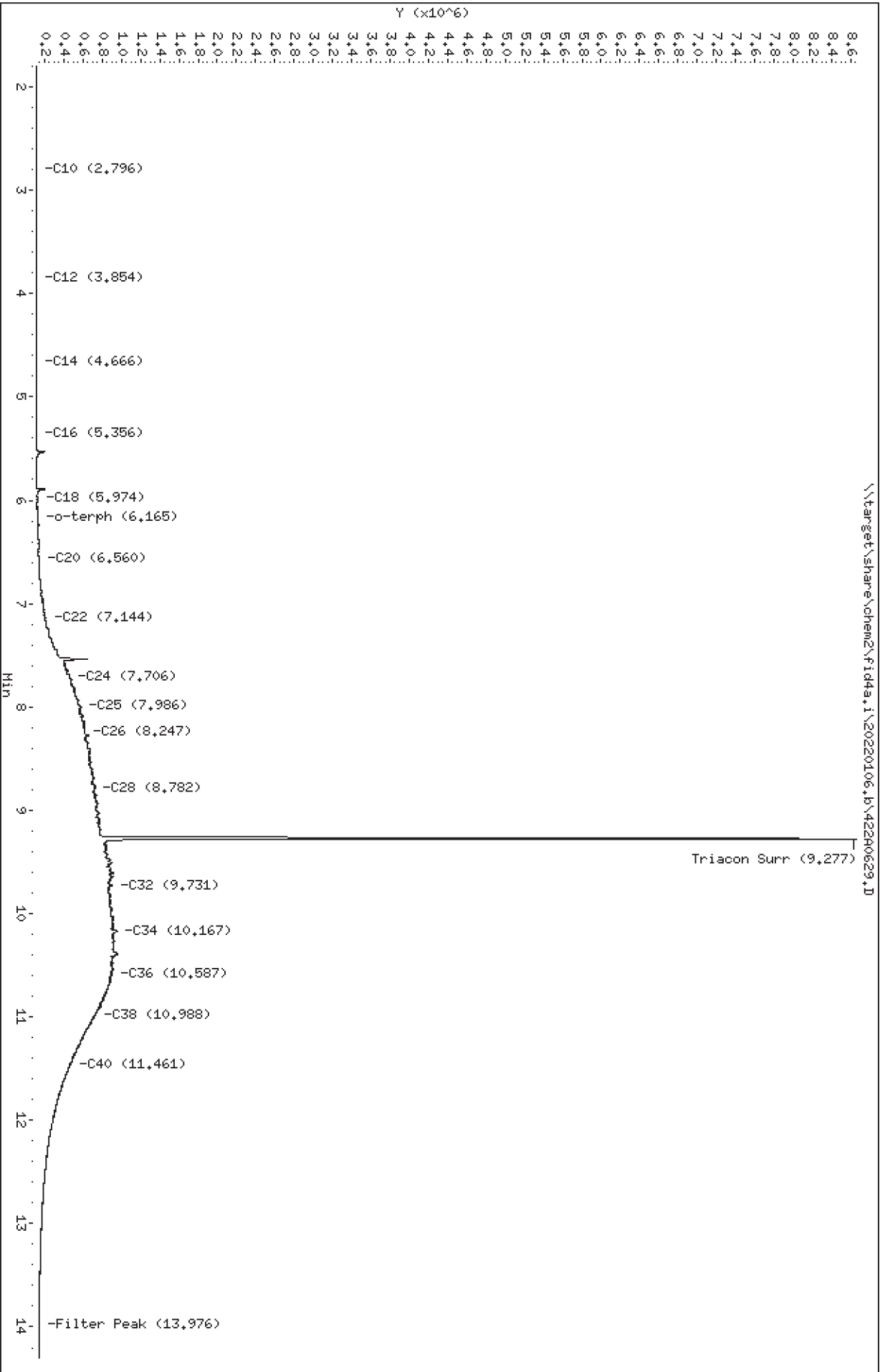




Data File: \\target\share\chem2\fid4a,1\20220106_b\42240629.D
Date: 06-JAN-2022 20:02
Client ID:
Sample Info: SKR0028-CALA

Column phase: RTX-1

Instrument: fid4a,1
Operator: TMC
Column diameter: 0.25



Analytical Resources Inc.
TPH Quantitation Report

Data file: 20220106.b/422A0629.D
Method: 20220106.b\FID4TPH.m
Instrument: fid4a.i, TWC
Report Date: 01/07/2022
Macro: 09-SEP-2019
Calibration Dates: Gas:XX-XXX-XXXX Diesel:06-DEC-2022 M.Oil:06-DEC-2022

ARI ID: SKA0028-CALA
Client ID:
Injection: 06-JAN-2022 20:02
Dilution Factor: 1
RT Std: 422A0603.D

FID:4A RESULTS

Compound	RT	Shift	Height	Area	Method	Range	Total Area	Conc (mg/L)
C8	1.566	0.000	11101	8632	WATPHD	(C12-C24)	10727647	73.6
C10	2.796	-0.005	576	147	WATPHM	(C24-C38)	129320360	975.4
C12	3.854	-0.005	1107	956	AK102	(C10-C25)	14842212	86.2
C14	4.666	-0.002	2470	1298	AK103	(C25-C36)	108544248	1097.4
C16	5.356	-0.001	3529	1197	OR.DIES	(C10-C28)	43178118	248.5
C18	5.974	0.002	7530	7872				
C20	6.560	0.000	29424	44604				
C22	7.144	0.003	93274	142646				
C24	7.706	-0.003	342850	102299				
C25	7.986	0.000	451931	245156				
C26	8.247	-0.010	508762	377501				
C28	8.782	0.007	601806	120120				
C32	9.731	0.001	789145	579688				
C34	10.167	0.000	836380	250168				
Filter Peak	13.976	0.003	27826	13801				
C36	10.587	0.006	793648	511126				
C38	10.988	-0.001	611295	302860				
C40	11.461	0.002	351554	139850				
o-terph	6.165	-0.002	9745	4761				
Triacon Surr	9.277	-0.012	7887730	7740915	NAS DIES	(C10-C24)	10771308	62.7

Range Times: NW Diesel(3.859 - 7.709) AK102(2.80 - 7.99) Jet A(2.80 - 5.97)
NW M.Oil(7.71 - 10.99) AK103(7.99 - 10.58) OR Diesel(2.80 - 8.78)

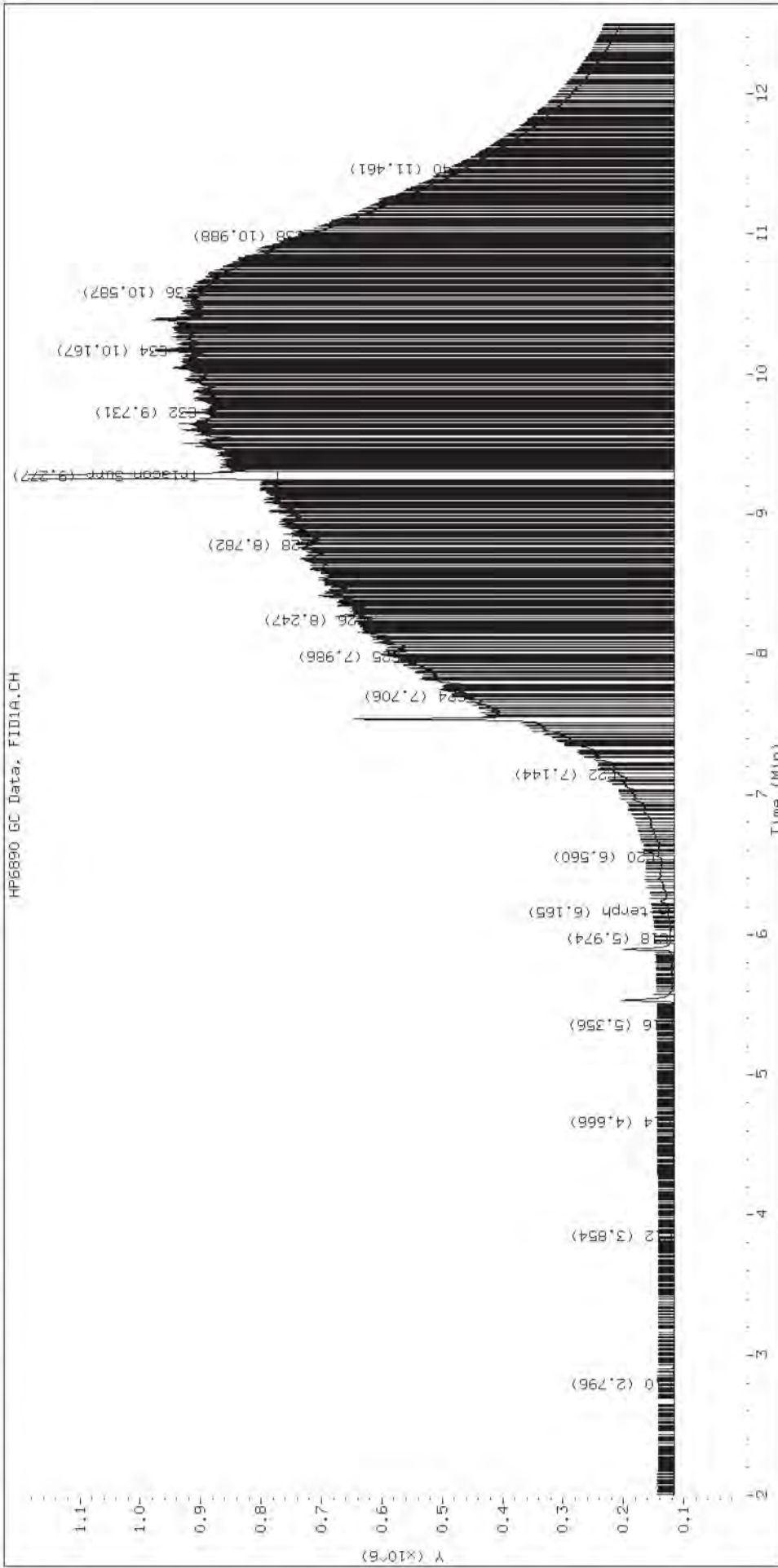
Surrogate	Area	Amount
o-Terphenyl	4761	0.0
Triacontane	7740915	44.4 M

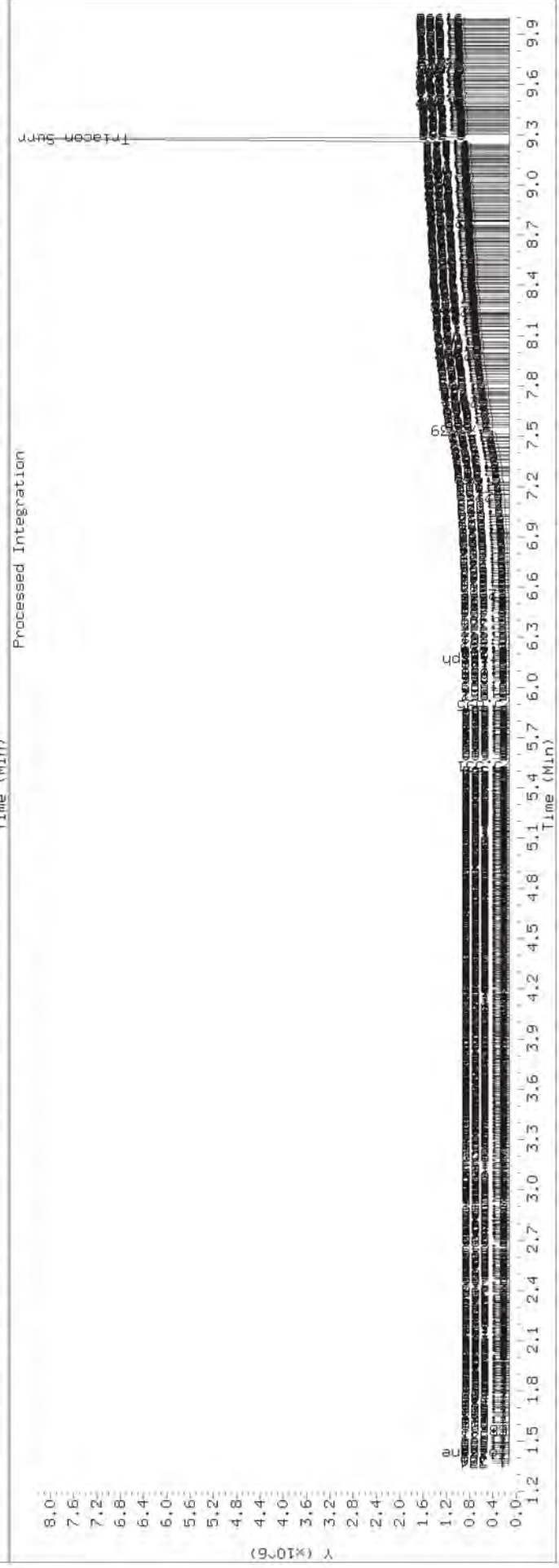
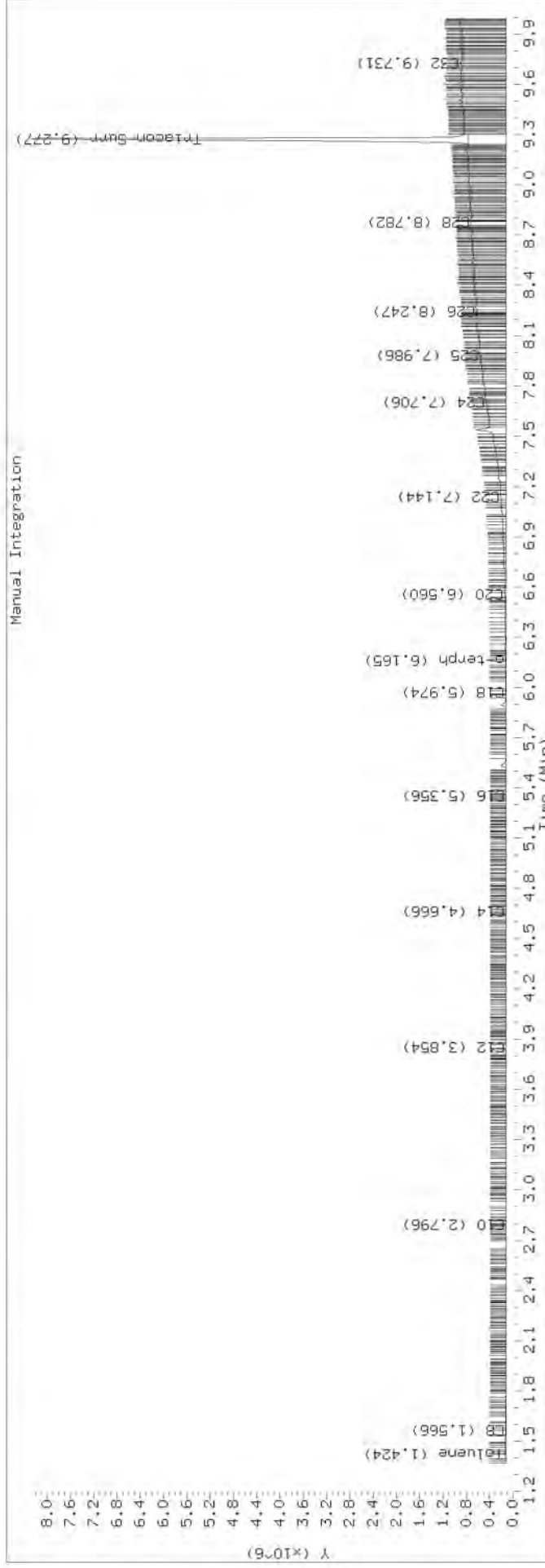
M Indicates the peak was manually integrated

Analyte	RF	Curve Date
o-Terph Surr	192003.9	
Triacon Surr	174221.0	
Gas	15000.0	XX-XXX-XXXX
Diesel	145750.5	06-DEC-2022
Motor Oil	132579.1	06-DEC-2022
AK102	172235.6	06-DEC-2022
AK103	98909.5	06-DEC-2022
OR Diesel	173767.2	06-DEC-2022
NAS Diesel	171749.5	06-DEC-2022

Datafile: FID4A, 20220106.b/422A0629.D SKA0028-CA1A

HP6890 GC Data, FID1A.CH

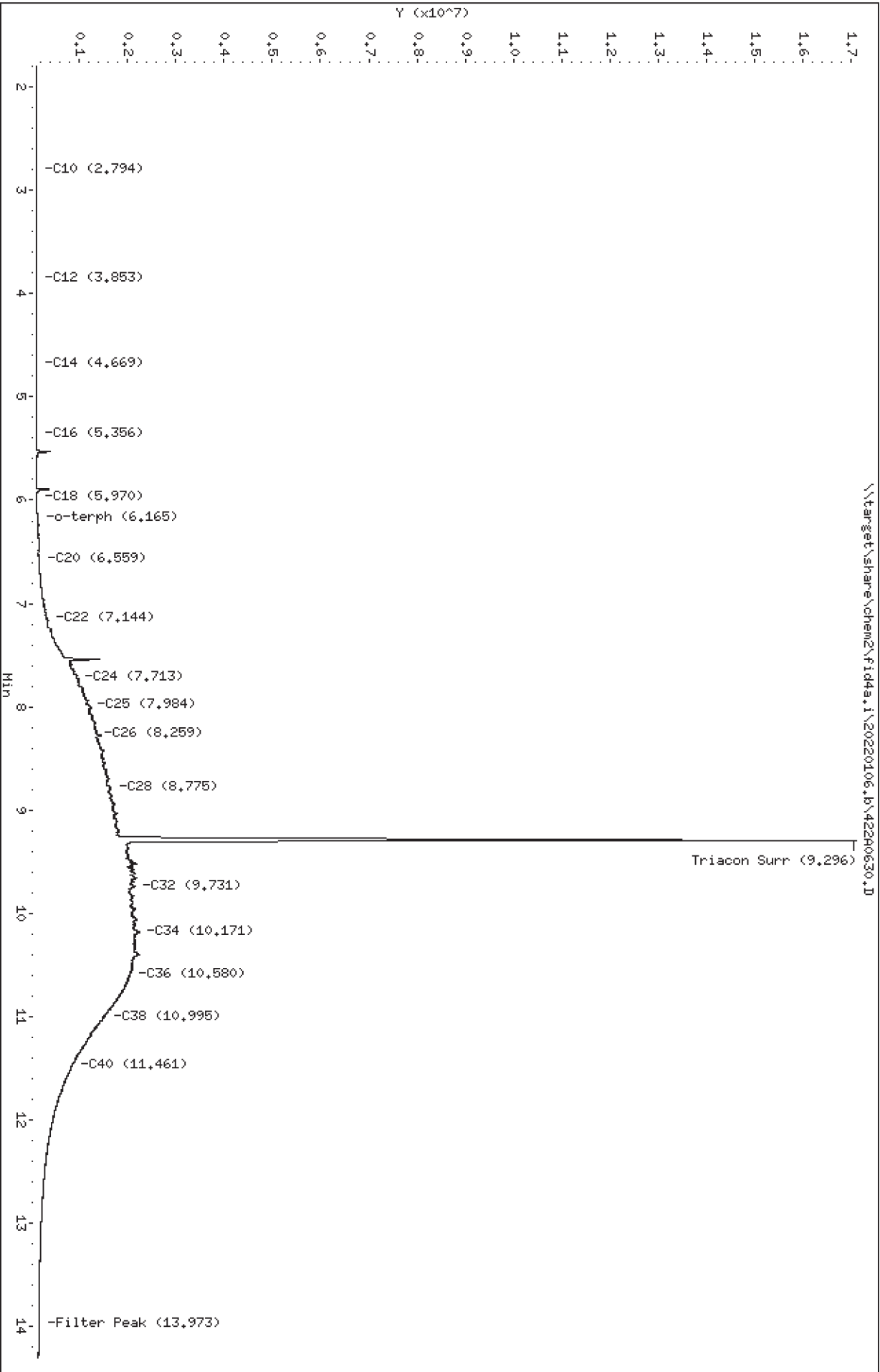




Data File: \\target\share\chem2\fid4a,1\20220106_b\42240630.D
Date: 06-JAN-2022 20:22
Client ID:
Sample Info: SKR0028-CALB

Column phase: RTX-1

Instrument: fid4a,1
Operator: TMC
Column diameter: 0.25



Analytical Resources Inc.
TPH Quantitation Report

Data file: 20220106.b/422A0630.D
Method: 20220106.b\FID4TPH.m
Instrument: fid4a.i, TWC
Report Date: 01/07/2022
Macro: 09-SEP-2019
Calibration Dates: Gas:XX-XXX-XXXX Diesel:06-DEC-2022 M.Oil:06-DEC-2022

ARI ID: SKA0028-CALB
Client ID:
Injection: 06-JAN-2022 20:22
Dilution Factor: 1
RT Std: 422A0603.D

FID:4A RESULTS

Compound	RT	Shift	Height	Area	Method	Range	Total Area	Conc (mg/L)
C8	1.577	0.011	17258	4301	WATPHD	(C12-C24)	25178731	172.8
C10	2.794	-0.008	5092	3608	WATPHM	(C24-C38)	324449124	2447.2
C12	3.853	-0.006	5678	7022	AK102	(C10-C25)	35400273	205.5
C14	4.669	0.001	3839	758	AK103	(C25-C36)	273940795	2769.6
C16	5.356	-0.000	3278	2699	OR.DIES	(C10-C28)	105094526	604.8
C18	5.970	-0.002	10714	10162				
C20	6.559	-0.000	64664	142222				
C22	7.144	0.002	219141	252458				
C24	7.713	0.004	827562	247062				
C25	7.984	-0.003	1080011	687511				
C26	8.259	0.002	1238176	370748				
C28	8.775	-0.000	1545429	993360				
C32	9.731	0.001	2028162	997421				
C34	10.171	0.004	2118052	1355483				
Filter Peak	13.973	-0.000	48608	21788				
C36	10.580	-0.001	1948503	972417				
C38	10.995	0.006	1414419	841893				
C40	11.461	0.001	751652	187506				
o-terph	6.165	-0.002	15801	3901				
Triacon Surr	9.296	0.006	15269043	19868141	NAS DIES	(C10-C24)	25505234	148.5

Range Times: NW Diesel(3.859 - 7.709) AK102(2.80 - 7.99) Jet A(2.80 - 5.97)
NW M.Oil(7.71 - 10.99) AK103(7.99 - 10.58) OR Diesel(2.80 - 8.78)

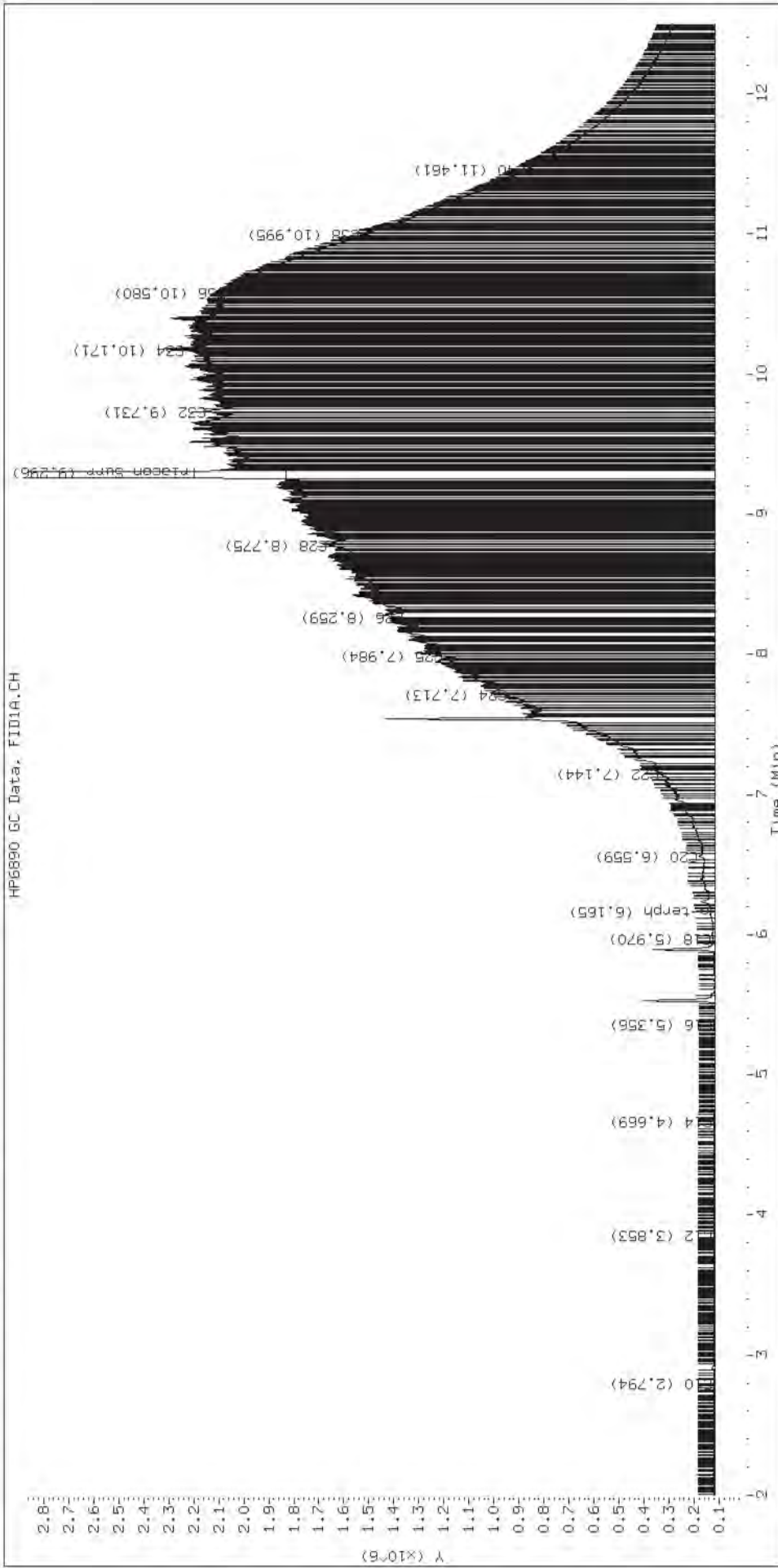
Surrogate	Area	Amount
o-Terphenyl	3901	0.0
Triacontane	19868141	114.0 M

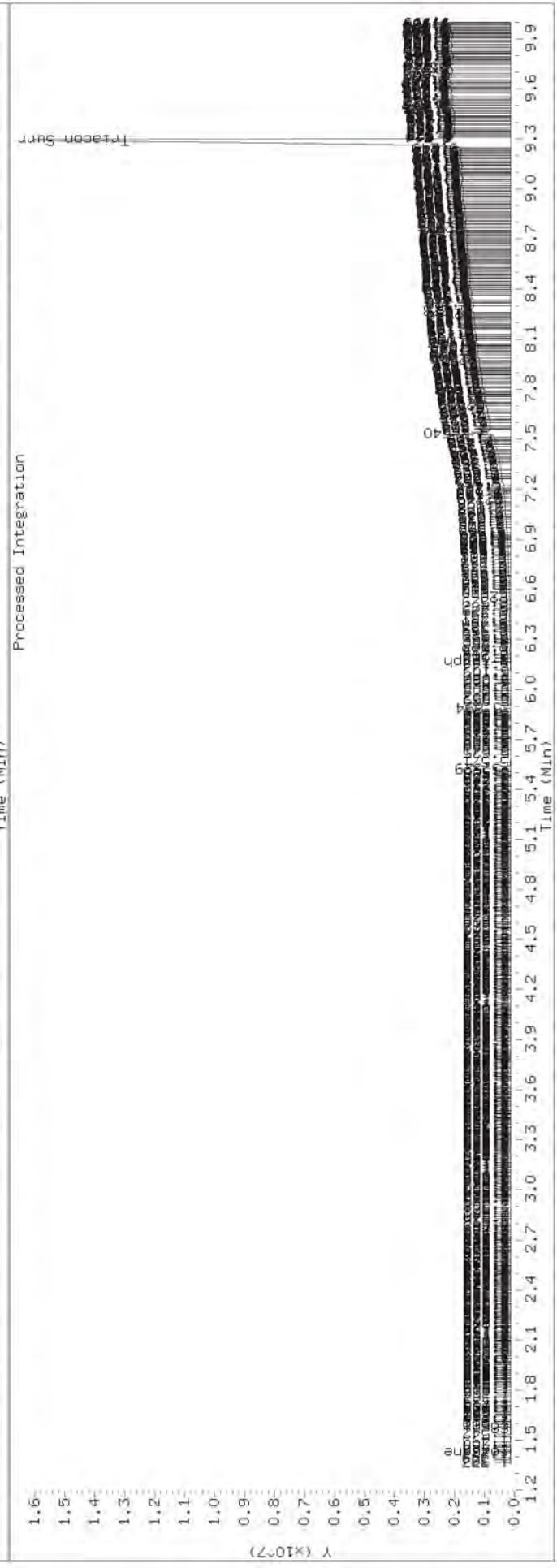
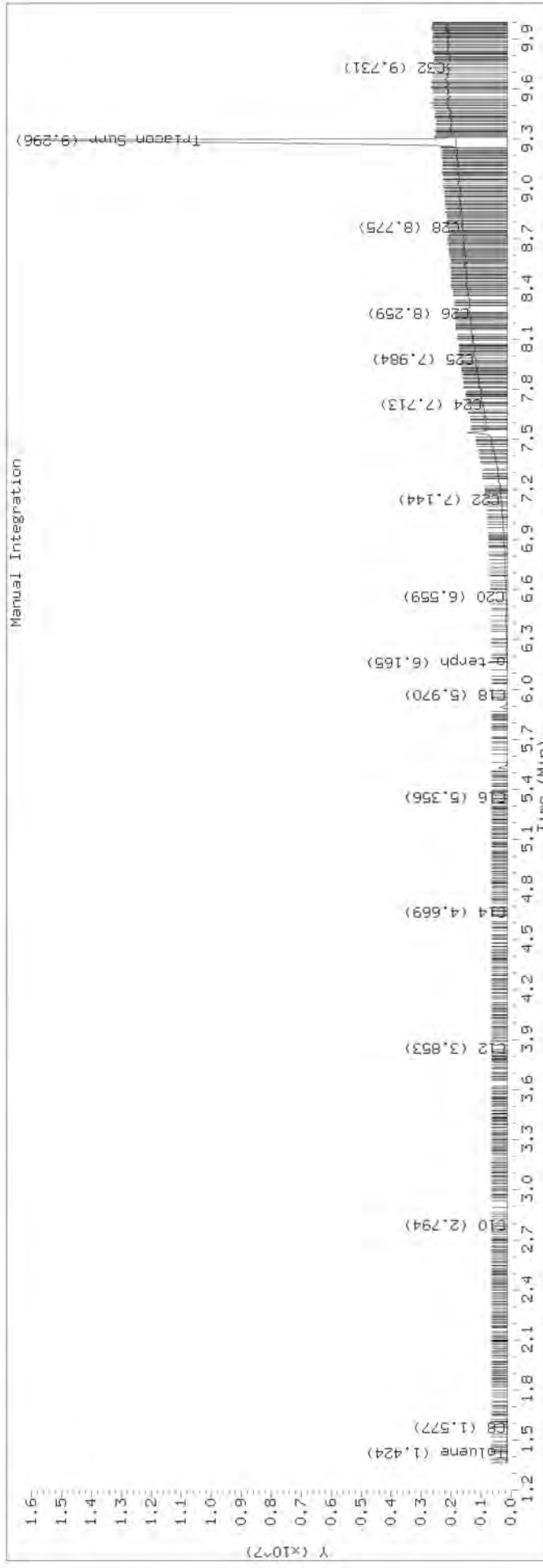
M Indicates the peak was manually integrated

Analyte	RF	Curve Date
o-Terph Surr	192003.9	
Triacon Surr	174221.0	
Gas	15000.0	XX-XXX-XXXX
Diesel	145750.5	06-DEC-2022
Motor Oil	132579.1	06-DEC-2022
AK102	172235.6	06-DEC-2022
AK103	98909.5	06-DEC-2022
OR Diesel	173767.2	06-DEC-2022
NAS Diesel	171749.5	06-DEC-2022

Datafile: FID4A, 20220106.b/422A0630.D SKA0028-CALB

HP6890 GC Data, FID1A.CH

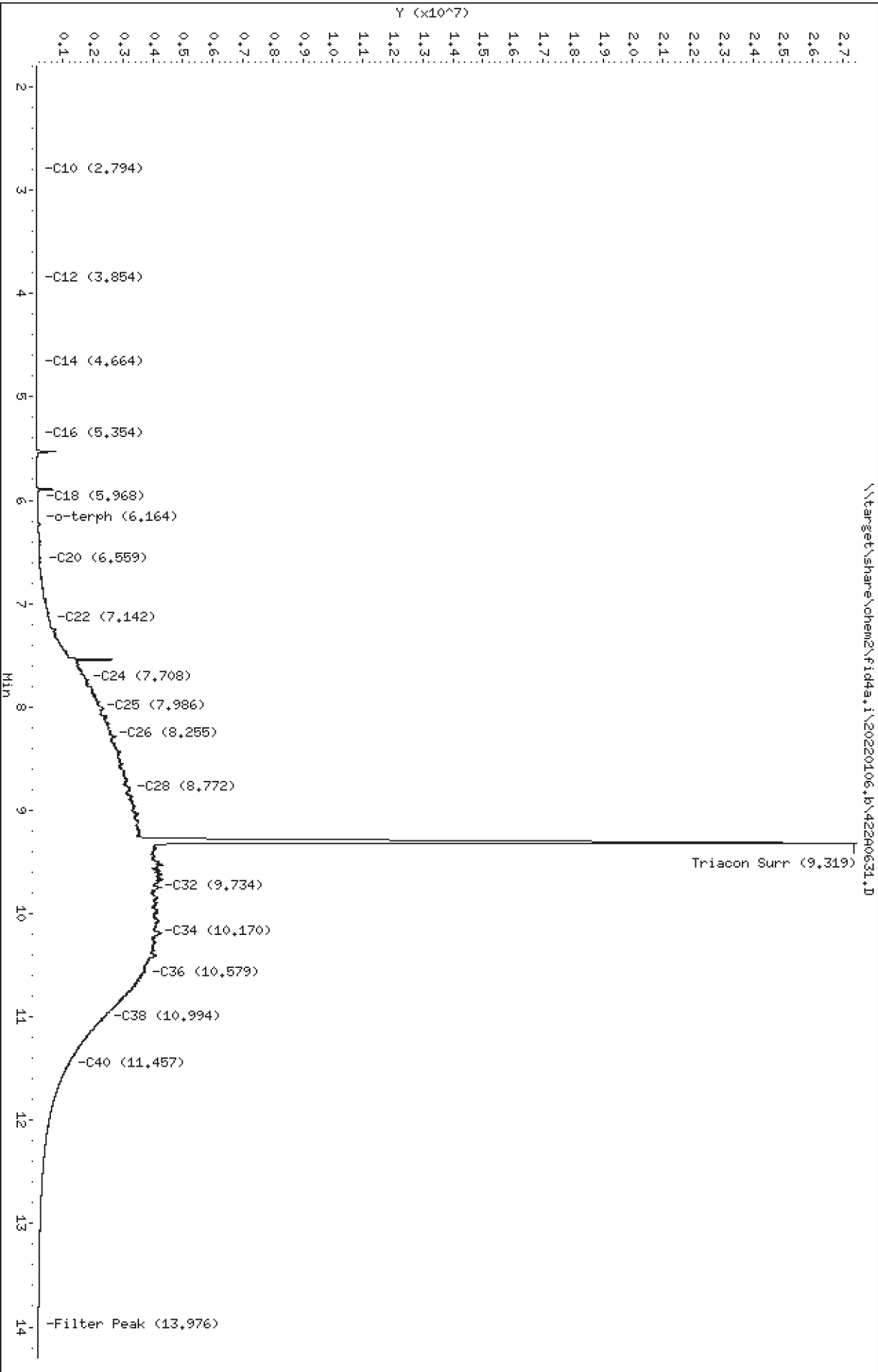




Data File: \\target\share\chem2\fid4a,1\20220106_b\42240631.D
Date: 06-JAN-2022 20:42
Client ID:
Sample Info: SKR0028-CALC

Column phase: RTX-1

Instrument: fid4a,1
Operator: TMC
Column diameter: 0.25



Analytical Resources Inc.
TPH Quantitation Report

Data file: 20220106.b/422A0631.D
Method: 20220106.b\FID4TPH.m
Instrument: fid4a.i, TWC
Report Date: 01/07/2022
Macro: 09-SEP-2019
Calibration Dates: Gas:XX-XXX-XXXX Diesel:06-DEC-2022 M.Oil:06-DEC-2022

ARI ID: SKA0028-CALC
Client ID:
Injection: 06-JAN-2022 20:42
Dilution Factor: 1
RT Std: 422A0603.D

FID:4A RESULTS

Compound	RT	Shift	Height	Area	Method	Range	Total Area	Conc (mg/L)
C8	1.567	0.001	12437	6794	WATPHD	(C12-C24)	50023505	343.2
C10	2.794	-0.007	1603	1382	WATPHM	(C24-C38)	629138264	4745.4
C12	3.854	-0.004	5247	5695	AK102	(C10-C25)	69619933	404.2
C14	4.664	-0.004	10564	11502	AK103	(C25-C36)	540174647	5461.3
C16	5.354	-0.002	16087	34954	OR.DIES	(C10-C28)	208310669	1198.8
C18	5.968	-0.004	32949	39919				
C20	6.559	-0.000	138972	310447				
C22	7.142	0.001	427301	781717				
C24	7.708	-0.001	1605305	638932				
C25	7.986	-0.000	2072035	718075				
C26	8.255	-0.002	2467694	982346				
C28	8.772	-0.004	3074685	1975887				
C32	9.734	0.005	3999709	2176432				
C34	10.170	0.003	3982476	2371685				
Filter Peak	13.976	0.003	62326	40134				
C36	10.579	-0.003	3557173	2116083				
C38	10.994	0.006	2297213	1137312				
C40	11.457	-0.003	1081035	1006449				
o-terph	6.164	-0.003	41429	10336				
Triacon Surr	9.319	0.029	23838567	40429932	NAS DIES	(C10-C24)	50155994	292.0

Range Times: NW Diesel(3.859 - 7.709) AK102(2.80 - 7.99) Jet A(2.80 - 5.97)
NW M.Oil(7.71 - 10.99) AK103(7.99 - 10.58) OR Diesel(2.80 - 8.78)

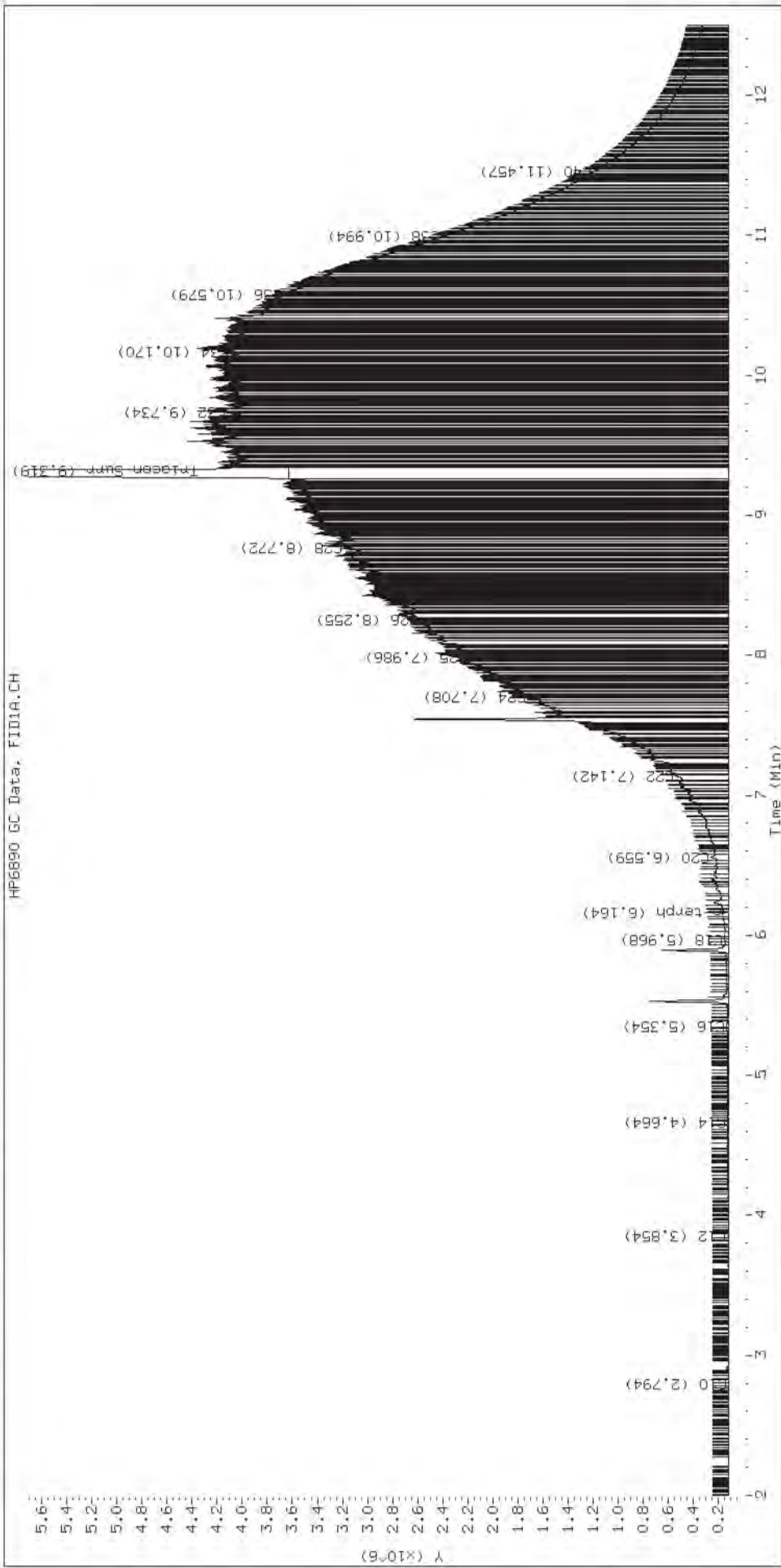
Surrogate	Area	Amount
o-Terphenyl	10336	0.1
Triacontane	40429932	232.1 M

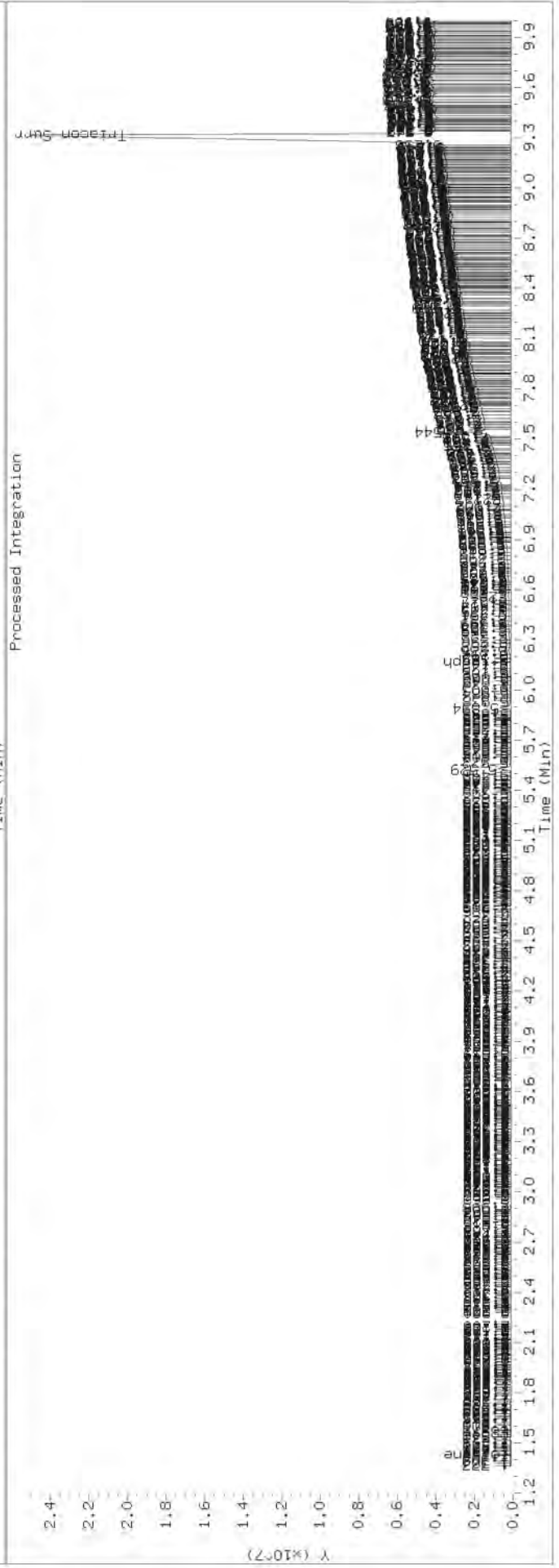
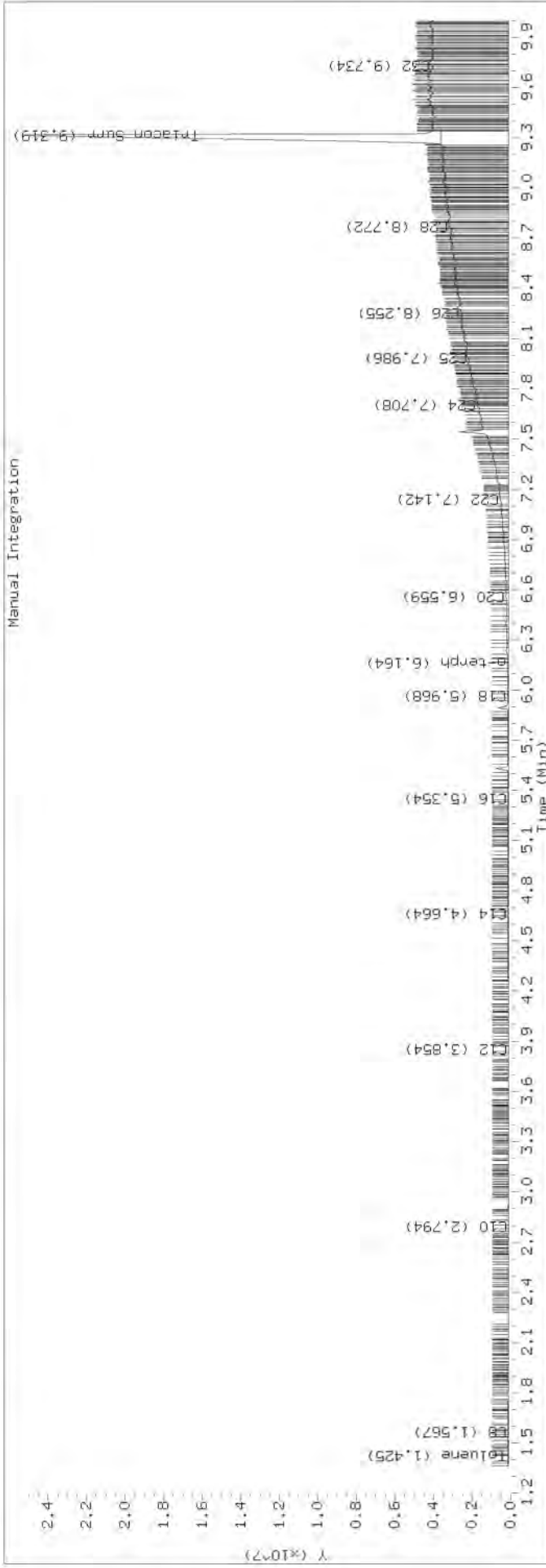
M Indicates the peak was manually integrated

Analyte	RF	Curve Date
o-Terph Surr	192003.9	
Triacon Surr	174221.0	
Gas	15000.0	XX-XXX-XXXX
Diesel	145750.5	06-DEC-2022
Motor Oil	132579.1	06-DEC-2022
AK102	172235.6	06-DEC-2022
AK103	98909.5	06-DEC-2022
OR Diesel	173767.2	06-DEC-2022
NAS Diesel	171749.5	06-DEC-2022

Datafile: FID4A, 20220106.b/422A0631.D SKA0028-CALC

HP6890 GC Data, FID1A.CH

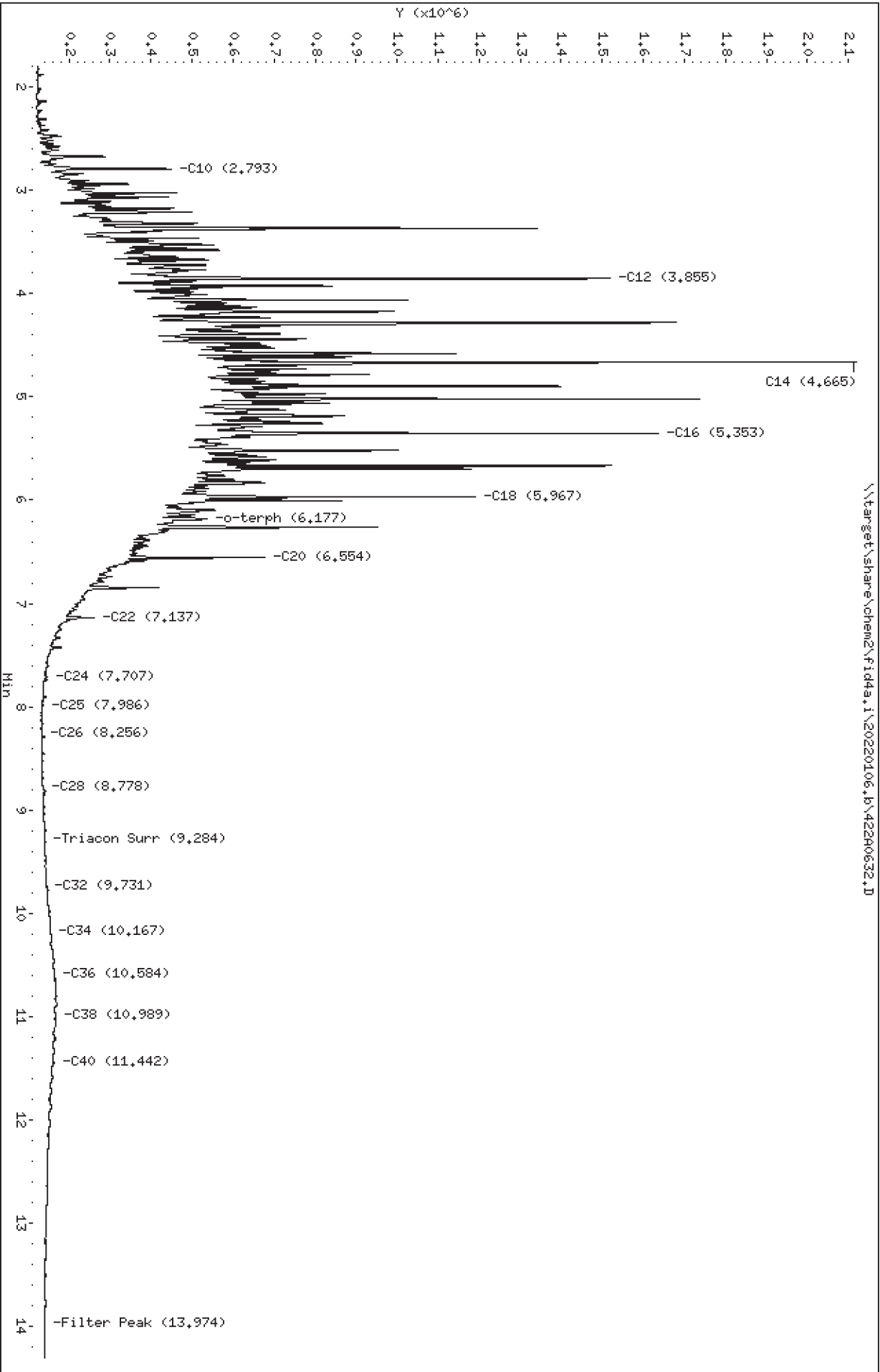




Data File: \\target\share\chem2\fid4a,1\20220106_b\42240632.D
Date: 06-JAN-2022 21:02
Client ID:
Sample Info: SKR0028-SCW1

Column phase: RTX-1

Instrument: fid4a,1
Operator: TMC
Column diameter: 0.25



Analytical Resources Inc.
TPH Quantitation Report

Data file: 20220106.b/422A0632.D
Method: 20220106.b\FID4TPH.m
Instrument: fid4a.i, TWC
Report Date: 01/07/2022
Macro: 09-SEP-2019
Calibration Dates: Gas:XX-XXX-XXXX Diesel:06-DEC-2022 M.Oil:06-DEC-2022

ARI ID: SKA0028-SCV1
Client ID:
Injection: 06-JAN-2022 21:02
Dilution Factor: 1
RT Std: 422A0603.D

FID:4A RESULTS

Compound	RT	Shift	Height	Area	Method	Range	Total Area	Conc (mg/L)
C8	1.554	-0.012	13447	19907	WATPHD	(C12-C24)	81818326	561.4
C10	2.793	-0.008	328700	402623	WATPHM	(C24-C38)	4903930	37.0
C12	3.855	-0.003	1398359	1541786	AK102	(C10-C25)	98237239	570.4
C14	4.665	-0.003	1998212	2275704	AK103	(C25-C36)	3617447	36.6
C16	5.353	-0.003	1514409	1842028	OR.DIES	(C10-C28)	98957633	569.5
C18	5.967	-0.005	1069816	1029152				
C20	6.554	-0.005	555197	666071				
C22	7.137	-0.004	141564	207118				
C24	7.707	-0.002	25196	52303				
C25	7.986	-0.000	18136	25237				
C26	8.256	-0.001	12963	11391				
C28	8.778	0.002	15805	6221				
C32	9.731	0.002	24227	8392				
C34	10.167	-0.000	33488	11671				
Filter Peak	13.974	0.001	19683	11641				
C36	10.584	0.003	44128	15372				
C38	10.989	0.001	46492	34691				
C40	11.442	-0.018	43094	144180				
o-terph	6.177	0.010	416300	426651				
Triacon Surr	9.284	-0.006	19261	10418	NAS DIES	(C10-C24)	98063156	571.0

Range Times: NW Diesel(3.859 - 7.709) AK102(2.80 - 7.99) Jet A(2.80 - 5.97)
NW M.Oil(7.71 - 10.99) AK103(7.99 - 10.58) OR Diesel(2.80 - 8.78)

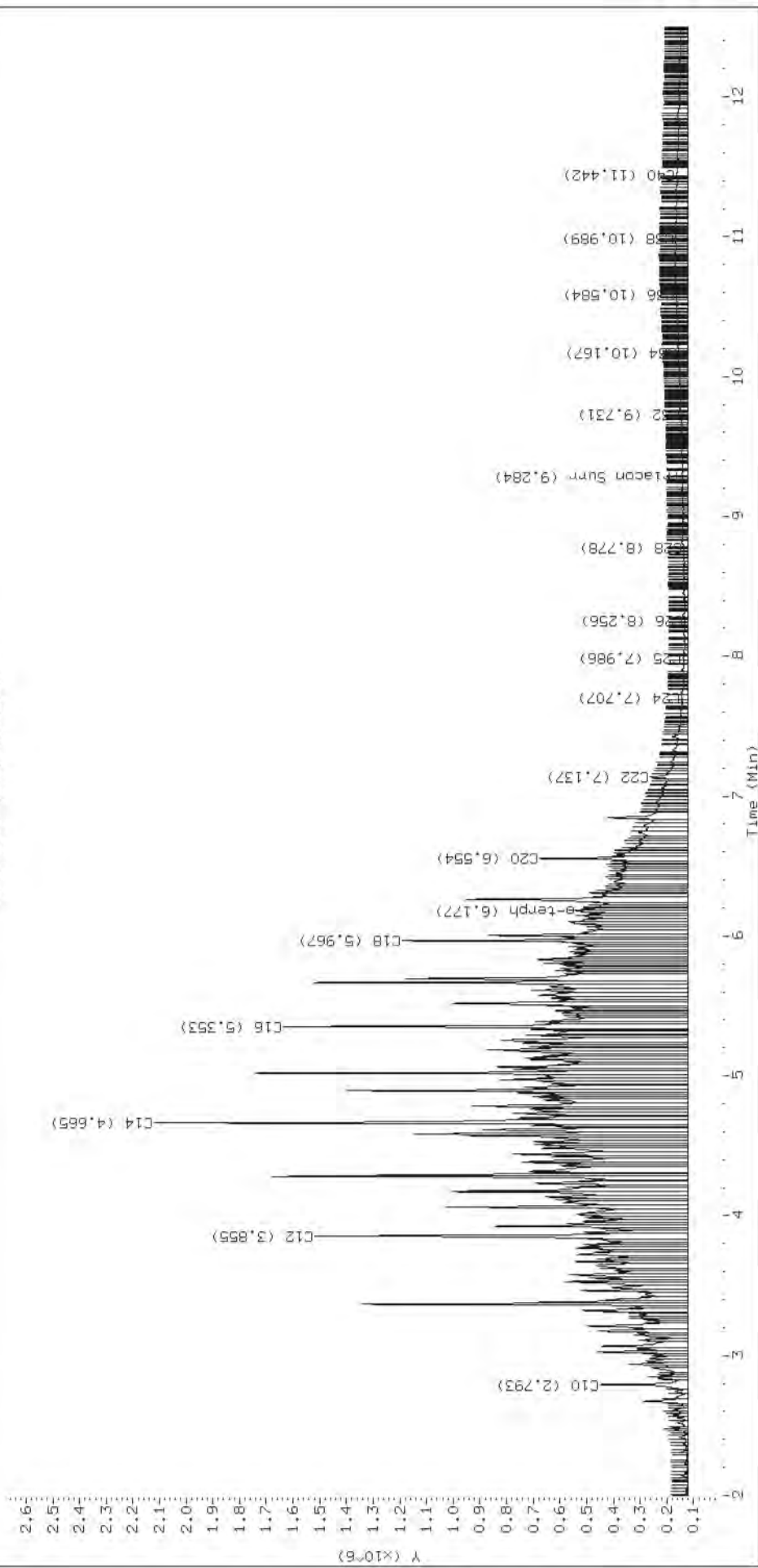
Surrogate	Area	Amount
o-Terphenyl	426651	2.2
Triacontane	10418	0.1

M Indicates the peak was manually integrated

Analyte	RF	Curve Date
o-Terph Surr	192003.9	
Triacon Surr	174221.0	
Gas	15000.0	XX-XXX-XXXX
Diesel	145750.5	06-DEC-2022
Motor Oil	132579.1	06-DEC-2022
AK102	172235.6	06-DEC-2022
AK103	98909.5	06-DEC-2022
OR Diesel	173767.2	06-DEC-2022
NAS Diesel	171749.5	06-DEC-2022

Datafile: FID4A, 20220106.b/422A0632.D SKA0028-SCV1

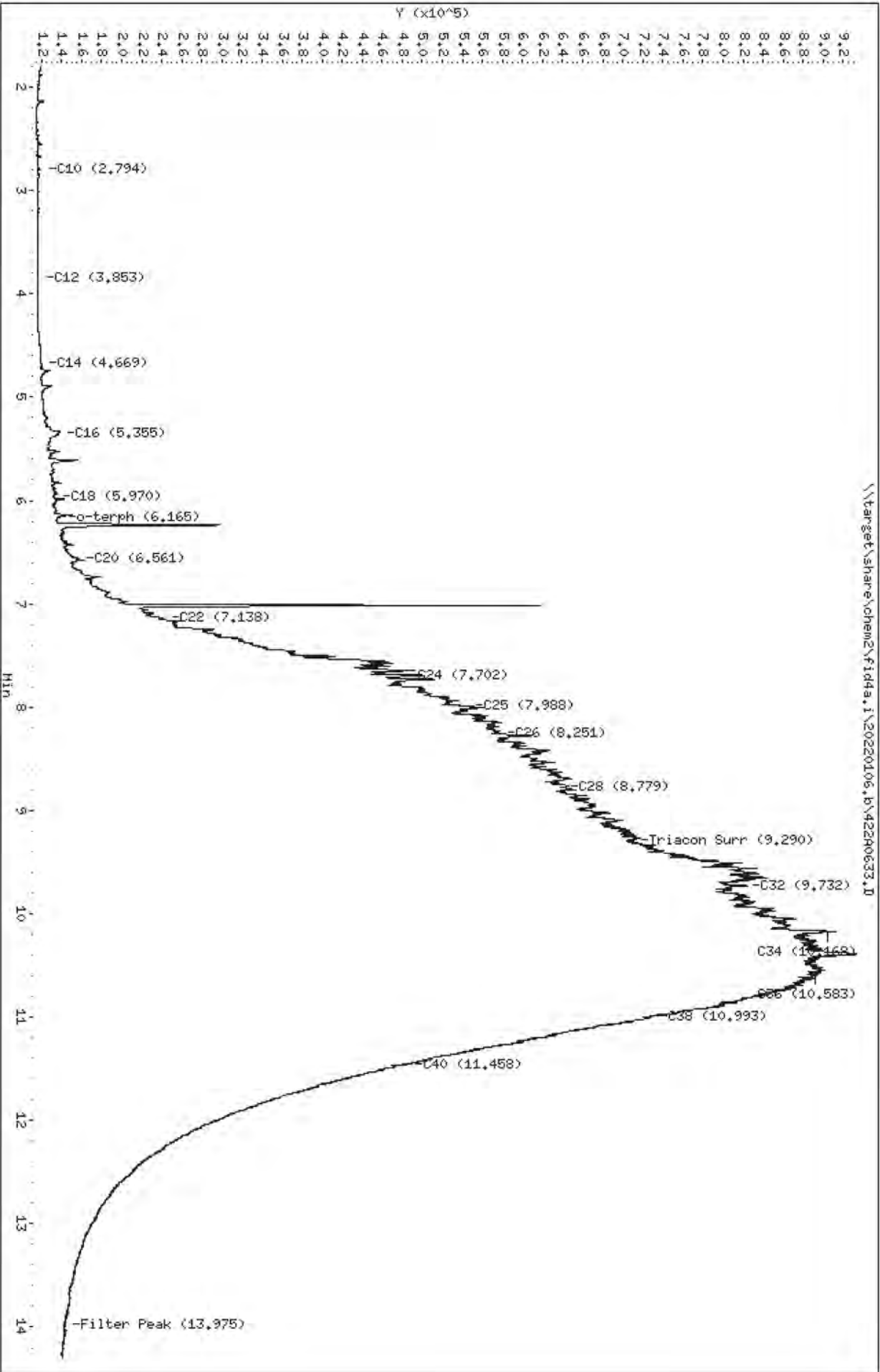
HP6890 GC Data, FID1A.CH



Data File: \\target\share\chem2\fid4a,1\20220106_b\42240633.D
Date: 06-JAN-2022 21:21
Client ID:
Sample Info: SK00028-SCV2

Column phase: RTX-1

Instrument: fid4a,1
Operator: TMC
Column diameter: 0.25



\\target\share\chem2\fid4a,1\20220106_b\42240633.D

Analytical Resources Inc.
TPH Quantitation Report

Data file: 20220106.b/422A0633.D
Method: 20220106.b\FID4TPH.m
Instrument: fid4a.i, TWC
Report Date: 01/07/2022
Macro: 09-SEP-2019
Calibration Dates: Gas:XX-XXX-XXXX Diesel:06-DEC-2022 M.Oil:06-DEC-2022

ARI ID: SKA0028-SCV2
Client ID:
Injection: 06-JAN-2022 21:21
Dilution Factor: 1
RT Std: 422A0603.D

FID:4A RESULTS

Compound	RT	Shift	Height	Area	Method	Range	Total Area	Conc (mg/L)
C8	1.571	0.005	9397	3234	WATPHD	(C12-C24)	14056895	96.4
C10	2.794	-0.008	3468	3249	WATPHM	(C24-C38)	119954259	904.8
C12	3.853	-0.006	1998	1502	AK102	(C10-C25)	18142709	105.3
C14	4.669	0.001	4718	2557	AK103	(C25-C36)	98929750	1000.2
C16	5.355	-0.002	21381	13437	OR.DIES	(C10-C28)	43590146	250.9
C18	5.970	-0.003	18024	5393				
C20	6.561	0.002	41385	47221				
C22	7.138	-0.003	126282	164868				
C24	7.702	-0.007	364294	249450				
C25	7.988	0.002	429789	170231				
C26	8.251	-0.006	461561	275289				
C28	8.779	0.003	524231	157049				
C32	9.732	0.002	706043	454955				
C34	10.168	0.001	792309	274623				
Filter Peak	13.975	0.002	27946	6956				
C36	10.583	0.002	779610	310190				
C38	10.993	0.004	614371	153291				
C40	11.458	-0.002	369218	346346				
o-terph	6.165	-0.002	22790	28222				
Triacon Surr	9.290	-0.000	594134	295766	NAS DIES	(C10-C24)	14144817	82.4

Range Times: NW Diesel(3.859 - 7.709) AK102(2.80 - 7.99) Jet A(2.80 - 5.97)
NW M.Oil(7.71 - 10.99) AK103(7.99 - 10.58) OR Diesel(2.80 - 8.78)

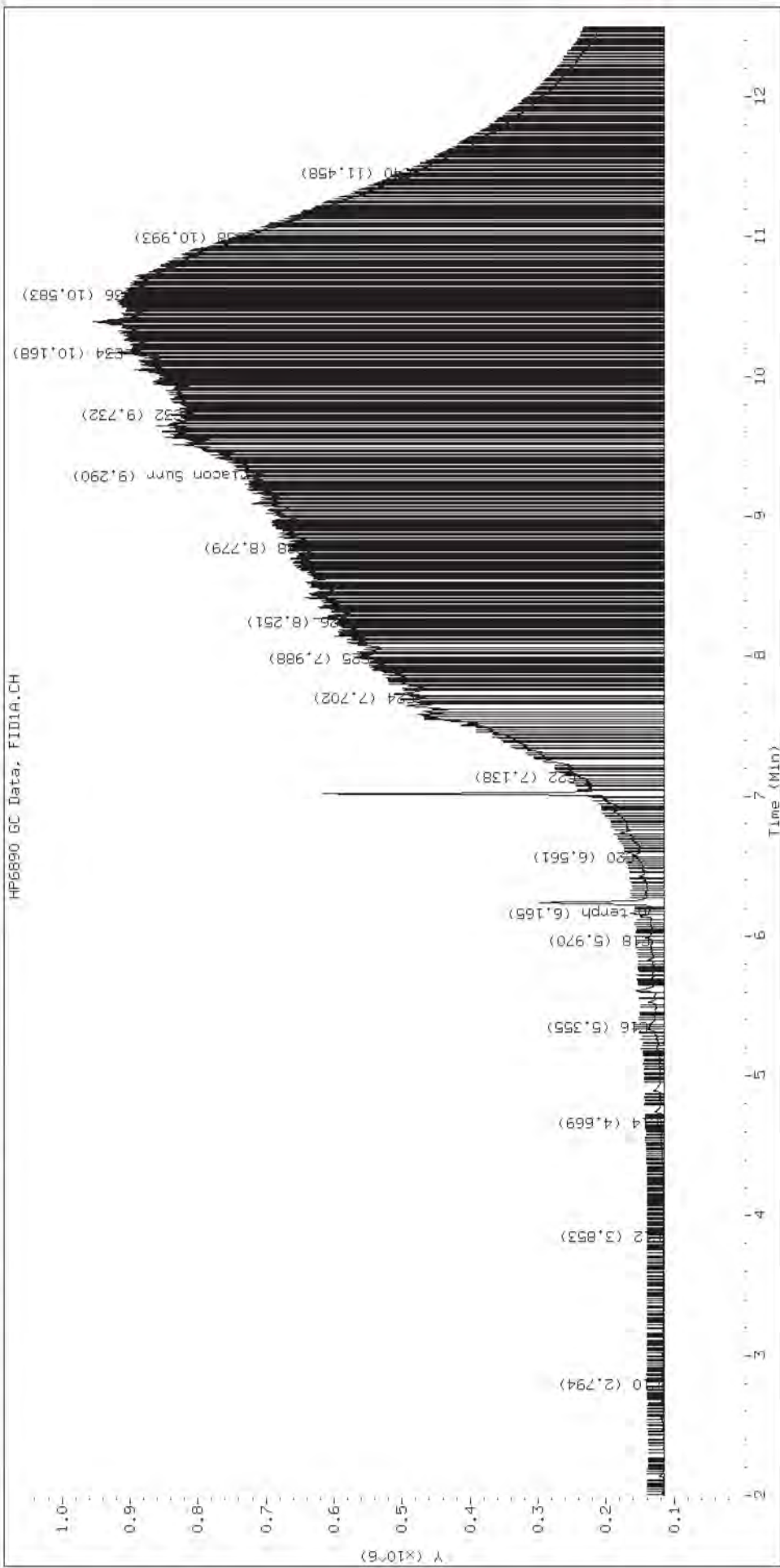
Surrogate	Area	Amount
o-Terphenyl	28222	0.1
Triacontane	295766	1.7

M Indicates the peak was manually integrated

Analyte	RF	Curve Date
o-Terph Surr	192003.9	
Triacon Surr	174221.0	
Gas	15000.0	XX-XXX-XXXX
Diesel	145750.5	06-DEC-2022
Motor Oil	132579.1	06-DEC-2022
AK102	172235.6	06-DEC-2022
AK103	98909.5	06-DEC-2022
OR Diesel	173767.2	06-DEC-2022
NAS Diesel	171749.5	06-DEC-2022

Datafile: FID4A, 20220106.b/422A0633.D SKA0028-SCV2

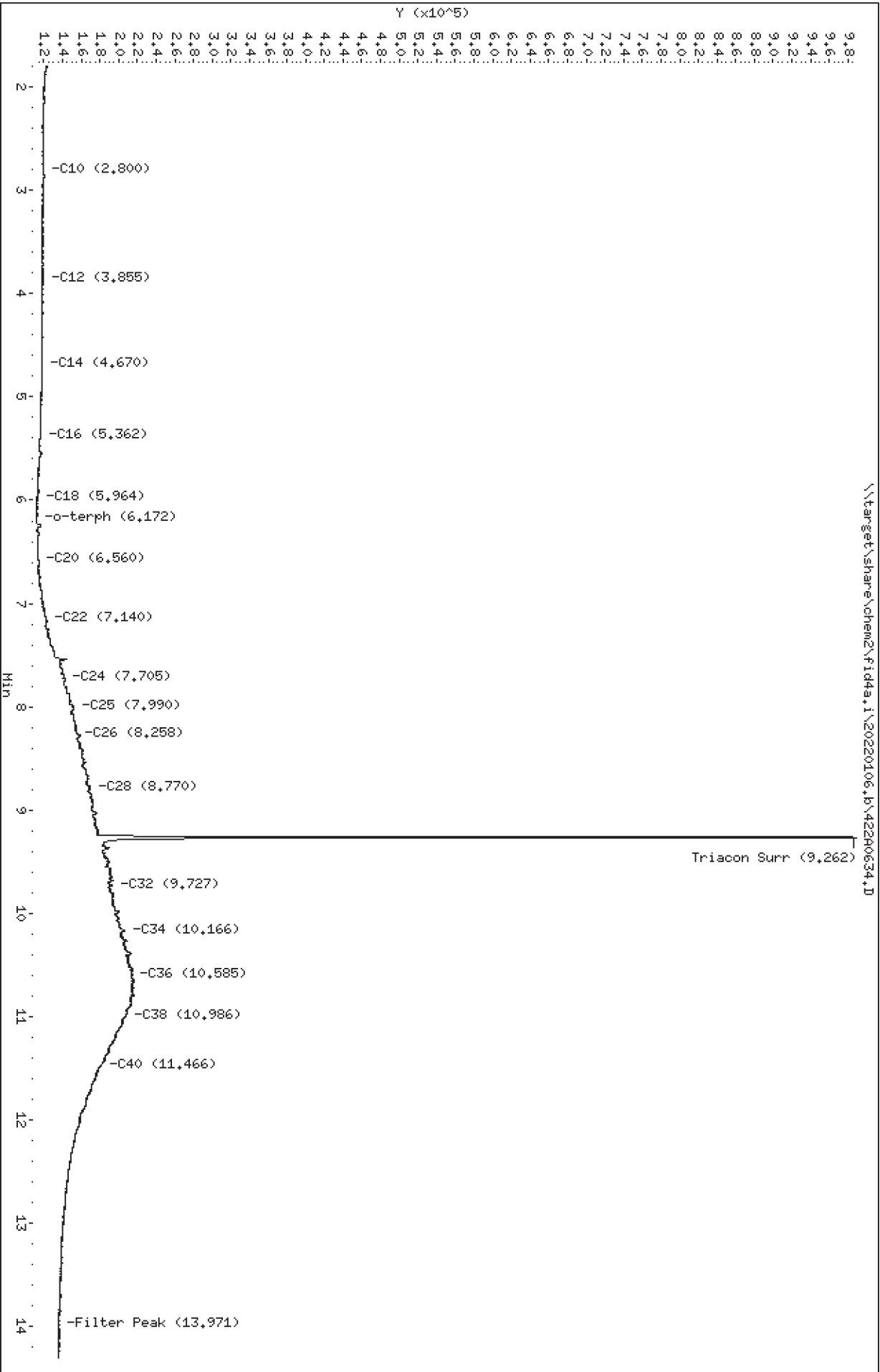
HP6890 GC Data, FID1A.CH



Data File: \\target\share\chem2\fid4a,1\20220106,b\422R0634.D
Date : 06-JAN-2022 21:41
Client ID:
Sample Info: SKR0028-CALD

Column phase: RTX-1

Instrument: fid4a,1
Operator: TMC
Column diameter: 0.25



Analytical Resources Inc.
TPH Quantitation Report

Data file: 20220106.b/422A0634.D
Method: 20220106.b\FID4TPH.m
Instrument: fid4a.i, TWC
Report Date: 01/07/2022
Macro: 09-SEP-2019
Calibration Dates: Gas:XX-XXX-XXXX Diesel:06-DEC-2022 M.Oil:06-DEC-2022

ARI ID: SKA0028-CALD
Client ID:
Injection: 06-JAN-2022 21:41
Dilution Factor: 1
RT Std: 422A0603.D

FID:4A RESULTS

Compound	RT	Shift	Height	Area	Method	Range	Total Area	Conc (mg/L)
C8	1.567	0.001	17146	19314	WATPHD	(C12-C24)	1474779	10.1
C10	2.800	-0.002	6919	1375	WATPHM	(C24-C38)	13771790	103.9
C12	3.855	-0.003	6785	3685	AK102	(C10-C25)	2234932	13.0
C14	4.670	0.002	6048	2401	AK103	(C25-C36)	10945533	110.7
C16	5.362	0.006	3993	2753	OR.DIES	(C10-C28)	4695847	27.0
C18	5.964	-0.008	893	555				
C20	6.560	-0.000	1925	933				
C22	7.140	-0.001	10540	7151				
C24	7.705	-0.004	29831	19074				
C25	7.990	0.003	39026	43181				
C26	8.258	0.001	43157	10746				
C28	8.770	-0.005	57286	39691				
C32	9.727	-0.003	80921	56092				
C34	10.166	-0.001	93902	74517				
Filter Peak	13.971	-0.002	23966	5967				
C36	10.585	0.004	101870	25421				
C38	10.986	-0.003	96118	43017				
C40	11.466	0.007	69773	58785				
o-terph	6.172	0.005	280	151				
Triacon Surr	9.262	-0.028	812213	727031	NAS DIES	(C10-C24)	1904331	11.1

Range Times: NW Diesel(3.859 - 7.709) AK102(2.80 - 7.99) Jet A(2.80 - 5.97)
NW M.Oil(7.71 - 10.99) AK103(7.99 - 10.58) OR Diesel(2.80 - 8.78)

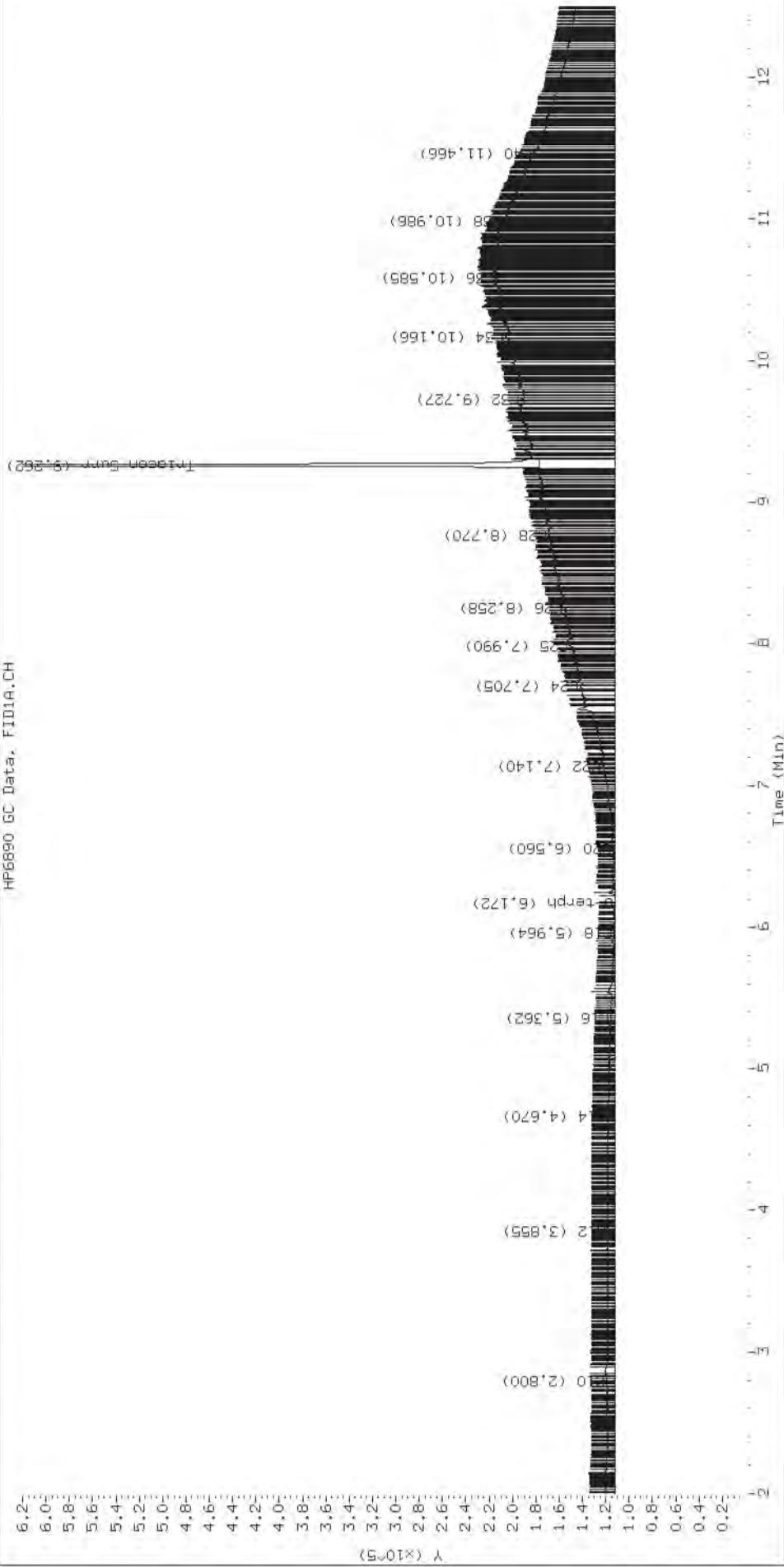
Surrogate	Area	Amount
o-Terphenyl	151	0.0
Triacontane	727031	4.2 M

M Indicates the peak was manually integrated

Analyte	RF	Curve Date
o-Terph Surr	192003.9	
Triacon Surr	174221.0	
Gas	15000.0	XX-XXX-XXXX
Diesel	145750.5	06-DEC-2022
Motor Oil	132579.1	06-DEC-2022
AK102	172235.6	06-DEC-2022
AK103	98909.5	06-DEC-2022
OR Diesel	173767.2	06-DEC-2022
NAS Diesel	171749.5	06-DEC-2022

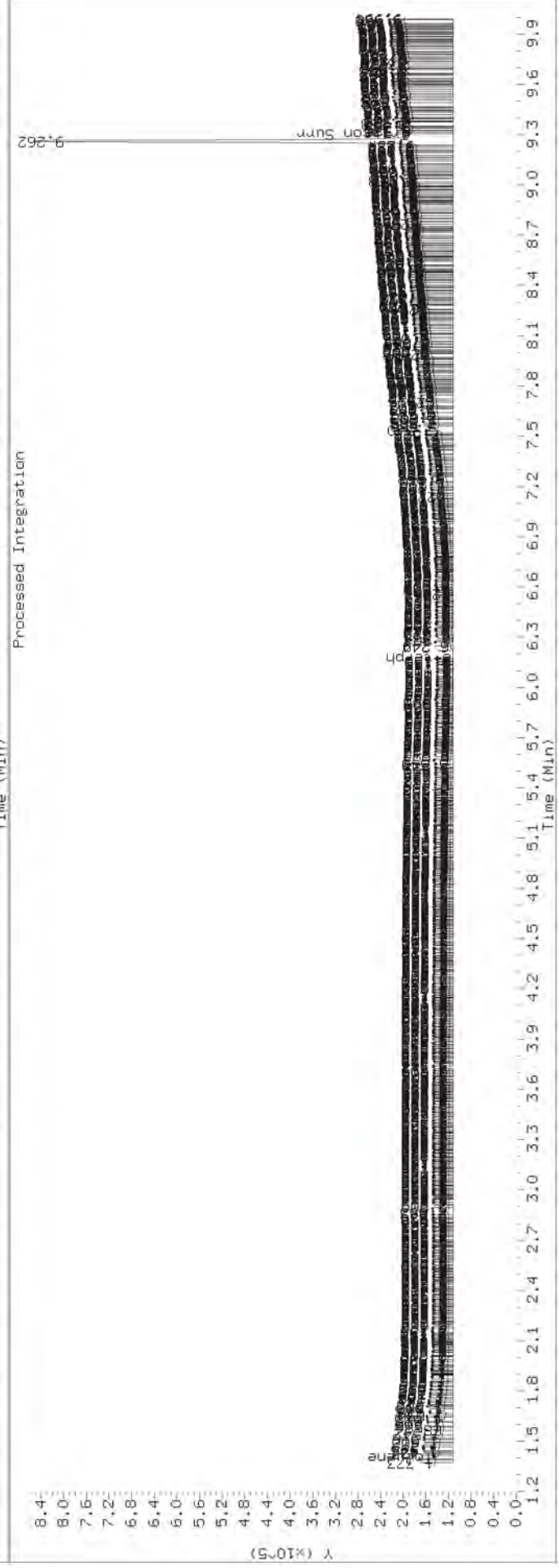
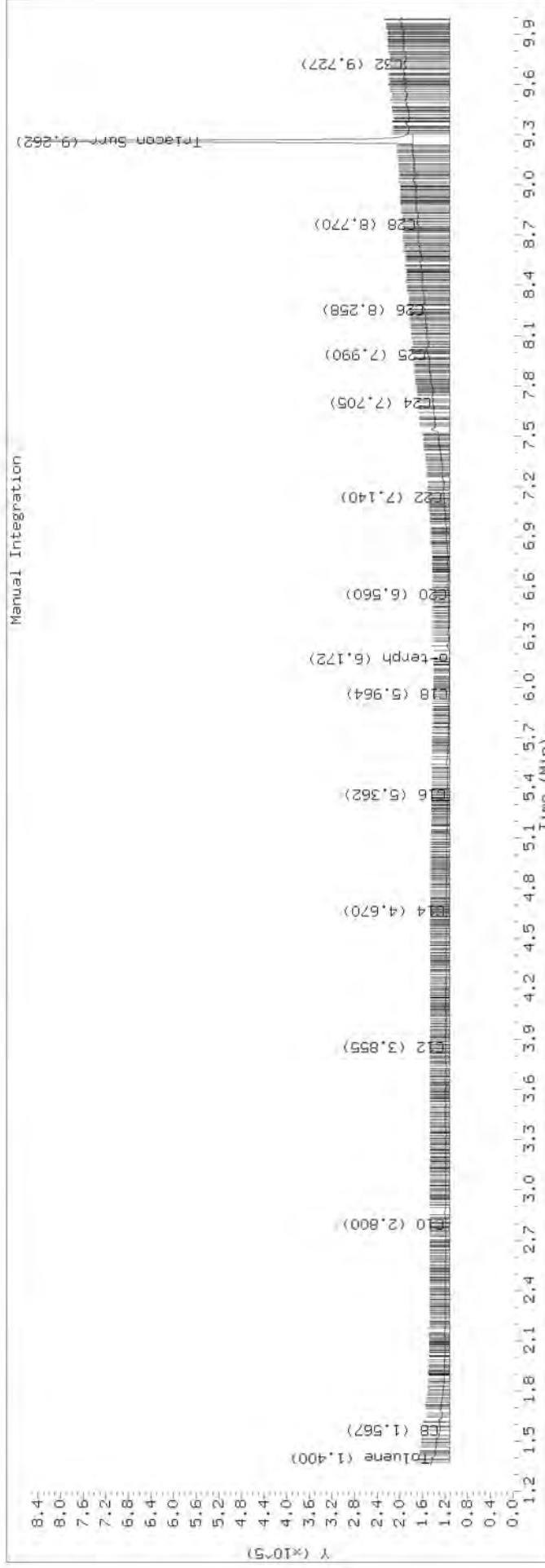
Datafile: FID4A, 20220106.b/422A0634.D SKA0028-CALD

HP6890 GC Data, FID1A.CH



TPH Manual Integrations Report

Datafile: FID4A, 20220106.b/422A0634.D Injection: 06-JAN-2022 21:41
 Lab ID: SKA0028-CALD



Data File: \\target\share\chem2\fid4a,1\20220106_b\42240635.D

Date : 06-JAN-2022 22:01

Client ID:

Sample Info: SKR0028-CALE

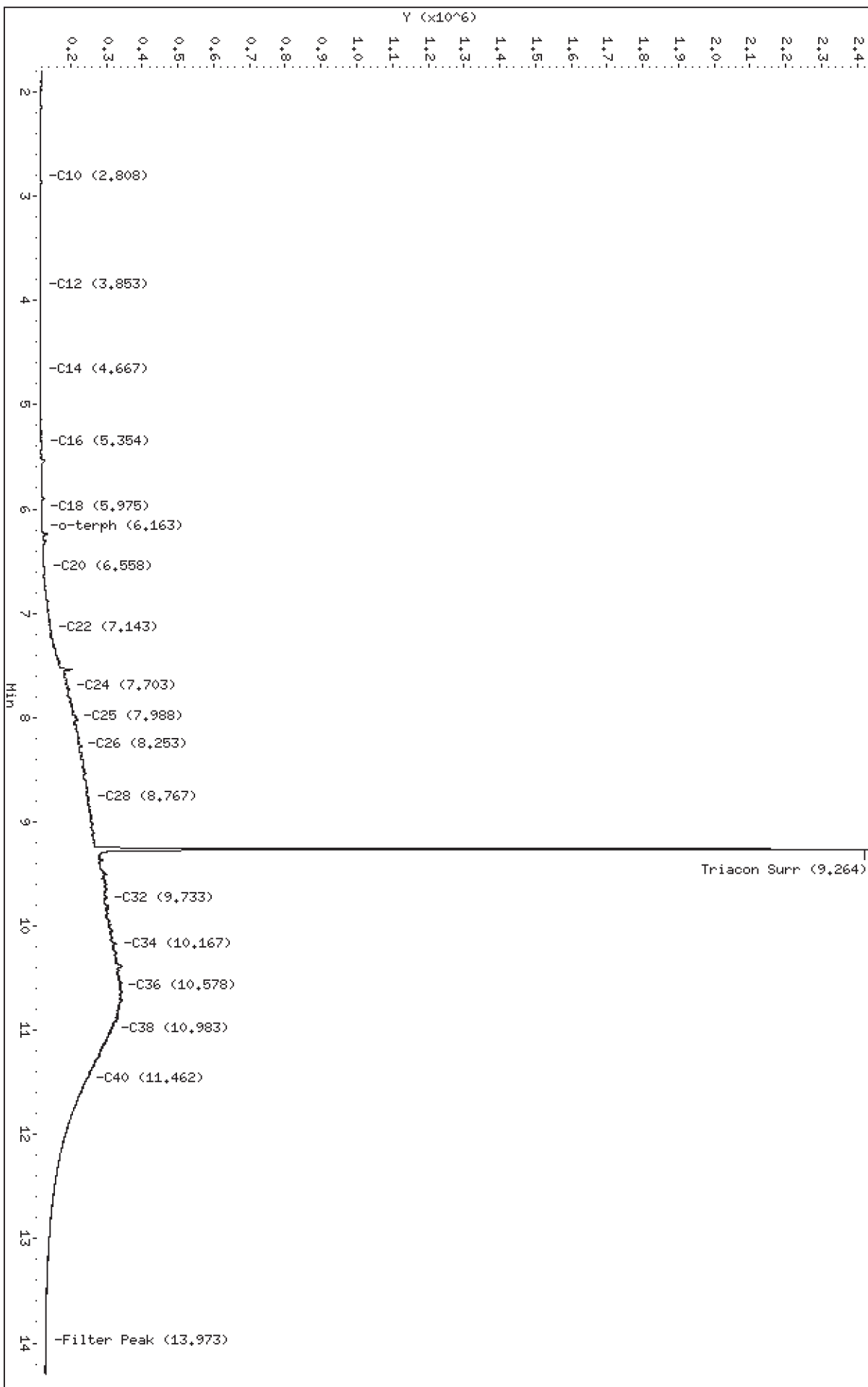
Column phase: RTX-1

Instrument: fid4a,1

Operator: TMC

Column diameter: 0.25

\\target\share\chem2\fid4a,1\20220106_b\42240635.D



Analytical Resources Inc.
TPH Quantitation Report

Data file: 20220106.b/422A0635.D
Method: 20220106.b\FID4TPH.m
Instrument: fid4a.i, TWC
Report Date: 01/07/2022
Macro: 09-SEP-2019
Calibration Dates: Gas:XX-XXX-XXXX Diesel:06-DEC-2022 M.Oil:06-DEC-2022

ARI ID: SKA0028-CALE
Client ID:
Injection: 06-JAN-2022 22:01
Dilution Factor: 1
RT Std: 422A0603.D

FID:4A RESULTS

Compound	RT	Shift	Height	Area	Method	Range	Total Area	Conc (mg/L)
C8	1.577	0.010	8719	1728	WATPHD	(C12-C24)	2929726	20.1
C10	2.808	0.007	730	310	WATPHM	(C24-C38)	31748804	239.5
C12	3.853	-0.006	795	616	AK102	(C10-C25)	3824694	22.2
C14	4.667	-0.001	1277	1021	AK103	(C25-C36)	25645540	259.3
C16	5.354	-0.002	2070	507	OR.DIES	(C10-C28)	9965738	57.4
C18	5.975	0.003	3530	1724				
C20	6.558	-0.002	10355	11106				
C22	7.143	0.001	29007	34388				
C24	7.703	-0.005	77178	83297				
C25	7.988	0.002	98914	48889				
C26	8.253	-0.005	108103	48204				
C28	8.767	-0.009	136834	155381				
C32	9.733	0.004	184014	127408				
C34	10.167	-0.000	211495	52618				
Filter Peak	13.973	0.000	14730	5087				
C36	10.578	-0.003	222240	77716				
C38	10.983	-0.005	200745	129371				
C40	11.462	0.002	131317	97270				
o-terph	6.163	-0.004	4526	2639				
Triacon Surr	9.264	-0.025	2163427	1840060	NAS DIES	(C10-C24)	2959772	17.2

Range Times: NW Diesel(3.859 - 7.709) AK102(2.80 - 7.99) Jet A(2.80 - 5.97)
NW M.Oil(7.71 - 10.99) AK103(7.99 - 10.58) OR Diesel(2.80 - 8.78)

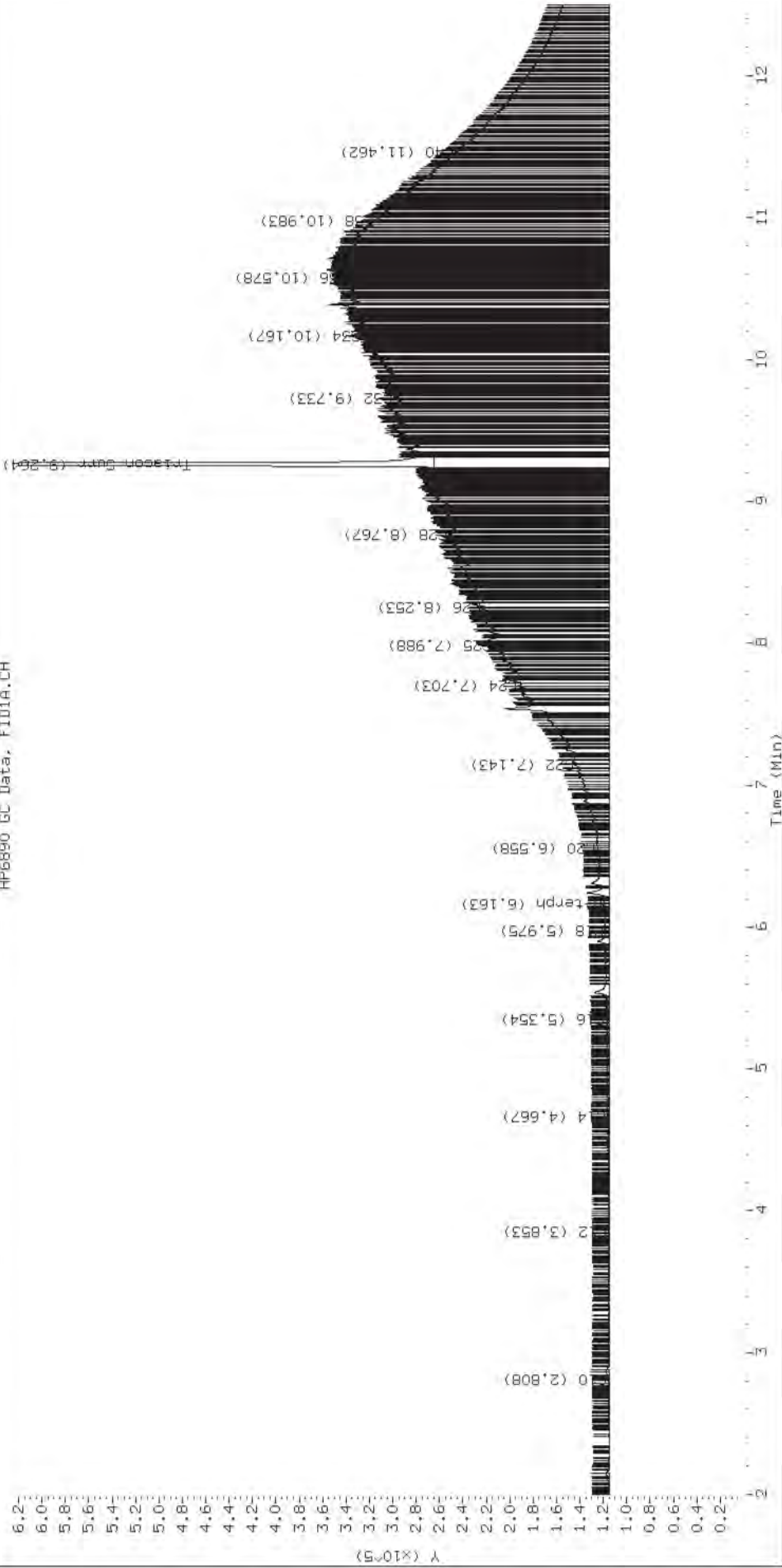
Surrogate	Area	Amount
o-Terphenyl	2639	0.0
Triacontane	1840060	10.6 M

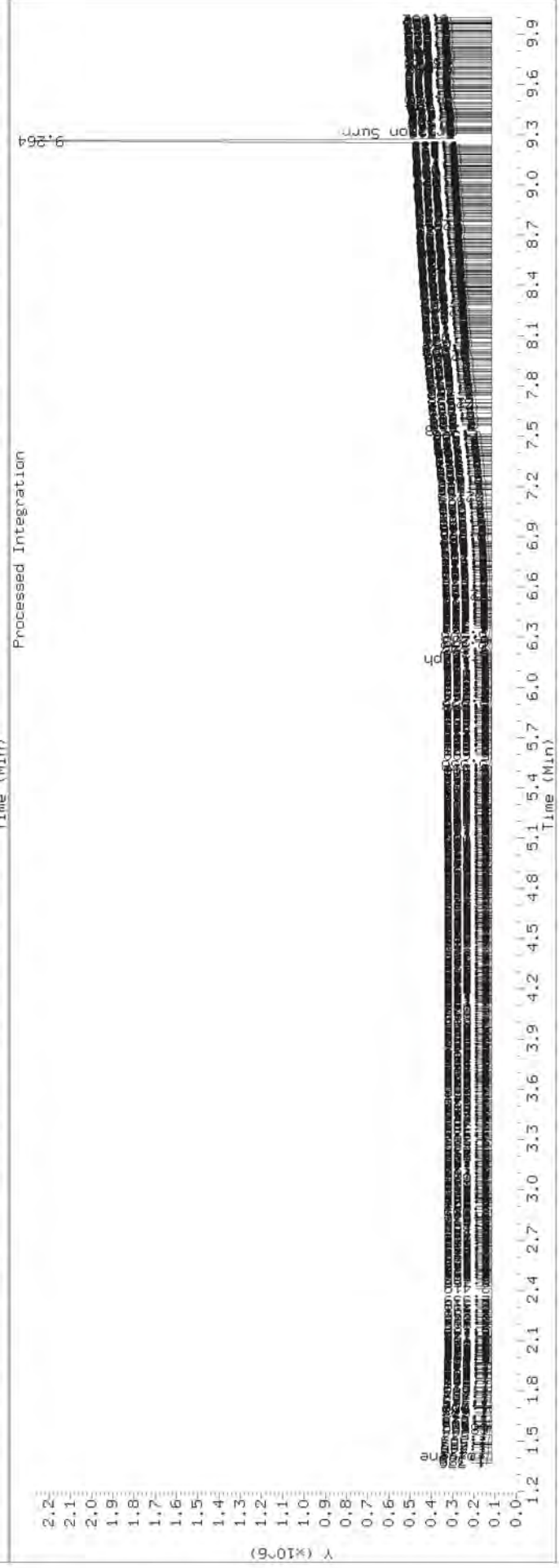
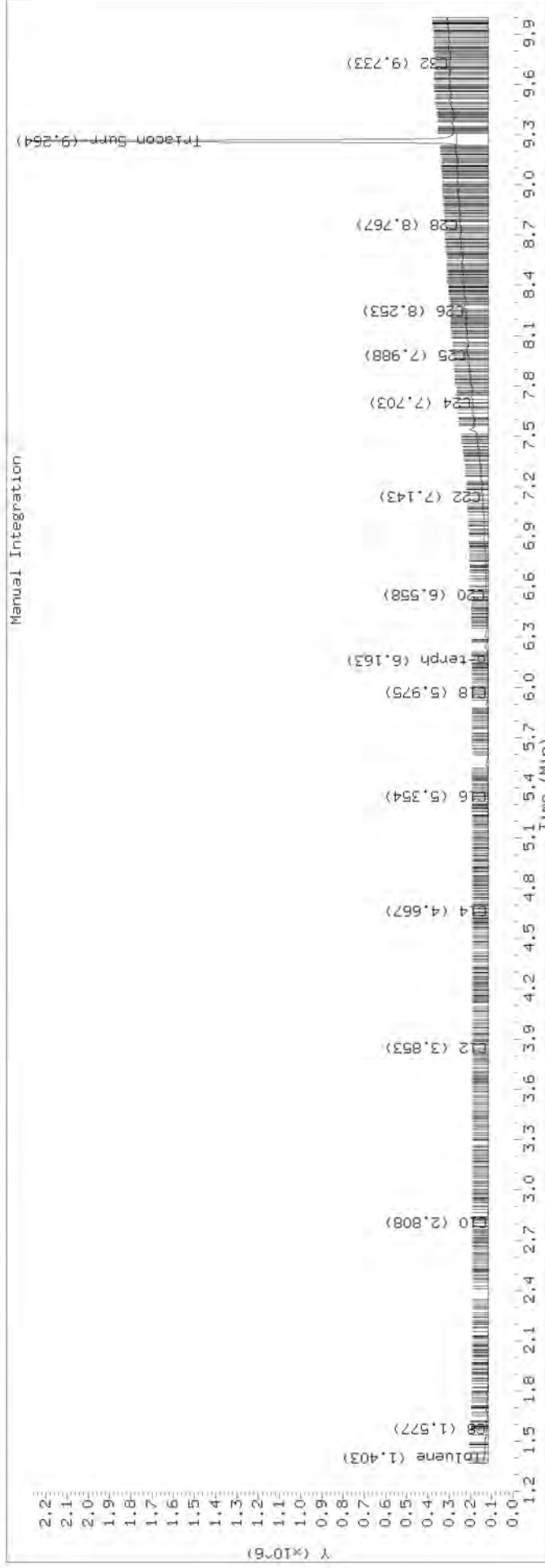
M Indicates the peak was manually integrated

Analyte	RF	Curve Date
o-Terph Surr	192003.9	
Triacon Surr	174221.0	
Gas	15000.0	XX-XXX-XXXX
Diesel	145750.5	06-DEC-2022
Motor Oil	132579.1	06-DEC-2022
AK102	172235.6	06-DEC-2022
AK103	98909.5	06-DEC-2022
OR Diesel	173767.2	06-DEC-2022
NAS Diesel	171749.5	06-DEC-2022

Datafile: FID4A, 20220106.b/422A0635.D SKA0028-CALE

HP6890 GC Data, FID1A.CH



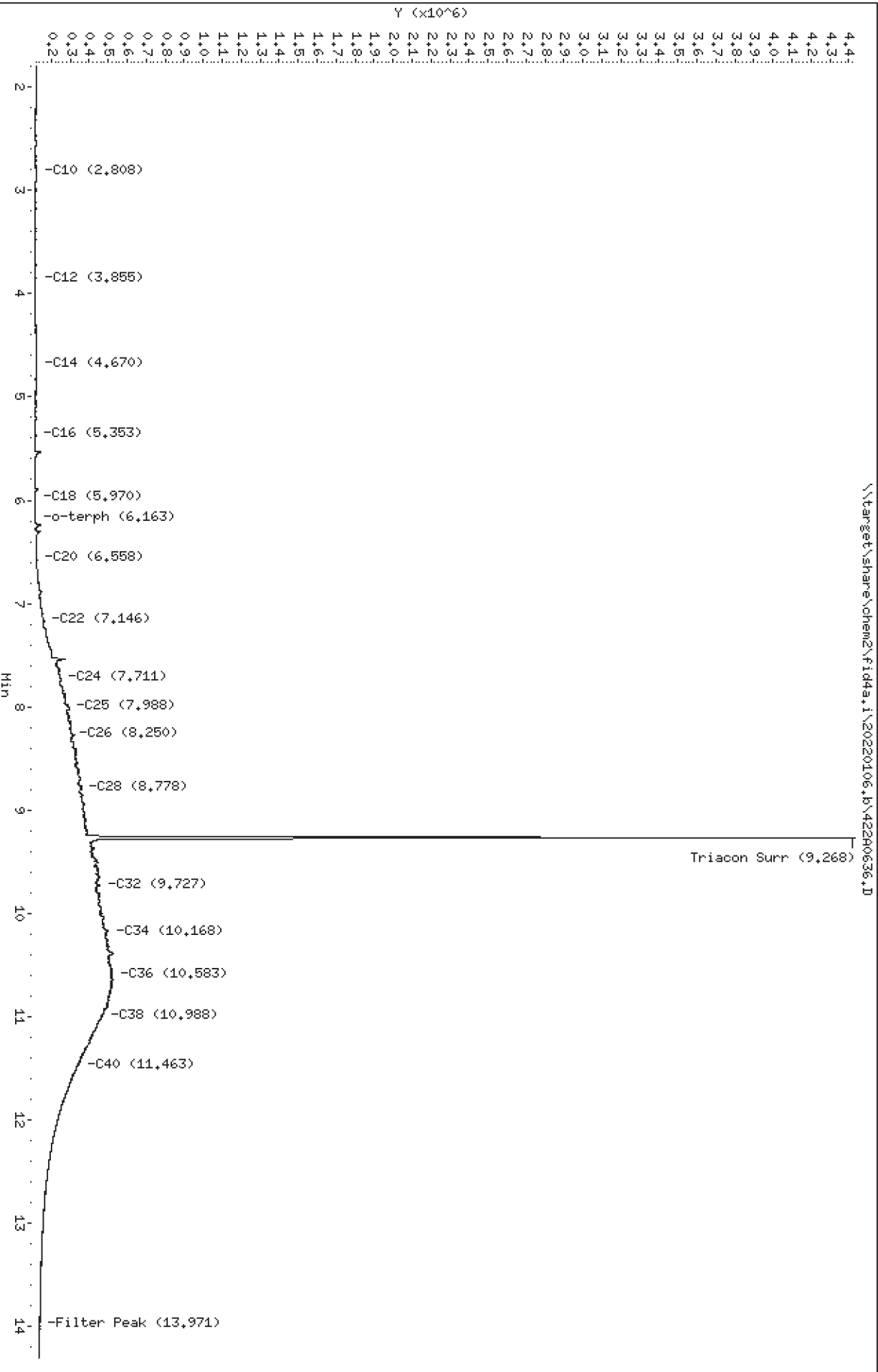


Data File: \\target\share\chem2\fid4a,1\20220106_b\42240636.D
Date : 06-JAN-2022 22:21
Client ID:
Sample Info: SKR0028-CALF

Instrument: fid4a,1

Column phase: RTX-1

Operator: TMC
Column diameter: 0.25



Analytical Resources Inc.
TPH Quantitation Report

Data file: 20220106.b/422A0636.D
Method: 20220106.b\FID4TPH.m
Instrument: fid4a.i, TWC
Report Date: 01/07/2022
Macro: 09-SEP-2019
Calibration Dates: Gas:XX-XXX-XXXX Diesel:06-DEC-2022 M.Oil:06-DEC-2022

ARI ID: SKA0028-CALF
Client ID:
Injection: 06-JAN-2022 22:21
Dilution Factor: 1
RT Std: 422A0603.D

FID:4A RESULTS

Compound	RT	Shift	Height	Area	Method	Range	Total Area	Conc (mg/L)
C8	1.588	0.022	14154	9065	WATPHD	(C12-C24)	4637647	31.8
C10	2.808	0.006	3982	972	WATPHM	(C24-C38)	56653473	427.3
C12	3.855	-0.004	3786	3993	AK102	(C10-C25)	6441039	37.4
C14	4.670	0.002	4050	2404	AK103	(C25-C36)	45729418	462.3
C16	5.353	-0.004	3118	761	OR.DIES	(C10-C28)	17026229	98.0
C18	5.970	-0.002	794	203				
C20	6.558	-0.001	10478	9728				
C22	7.146	0.005	44045	65456				
C24	7.711	0.002	130061	38666				
C25	7.988	0.002	174343	60325				
C26	8.250	-0.007	189683	56662				
C28	8.778	0.003	240756	95966				
C32	9.727	-0.003	340946	614753				
C34	10.168	0.001	386820	624600				
Filter Peak	13.971	-0.002	25087	9932				
C36	10.583	0.002	402993	240743				
C38	10.988	-0.000	355088	281638				
C40	11.463	0.003	229950	158804				
o-terph	6.163	-0.005	2082	1126				
Triacon Surr	9.268	-0.022	4048608	3404066	NAS DIES	(C10-C24)	4860533	28.3

Range Times: NW Diesel(3.859 - 7.709) AK102(2.80 - 7.99) Jet A(2.80 - 5.97)
NW M.Oil(7.71 - 10.99) AK103(7.99 - 10.58) OR Diesel(2.80 - 8.78)

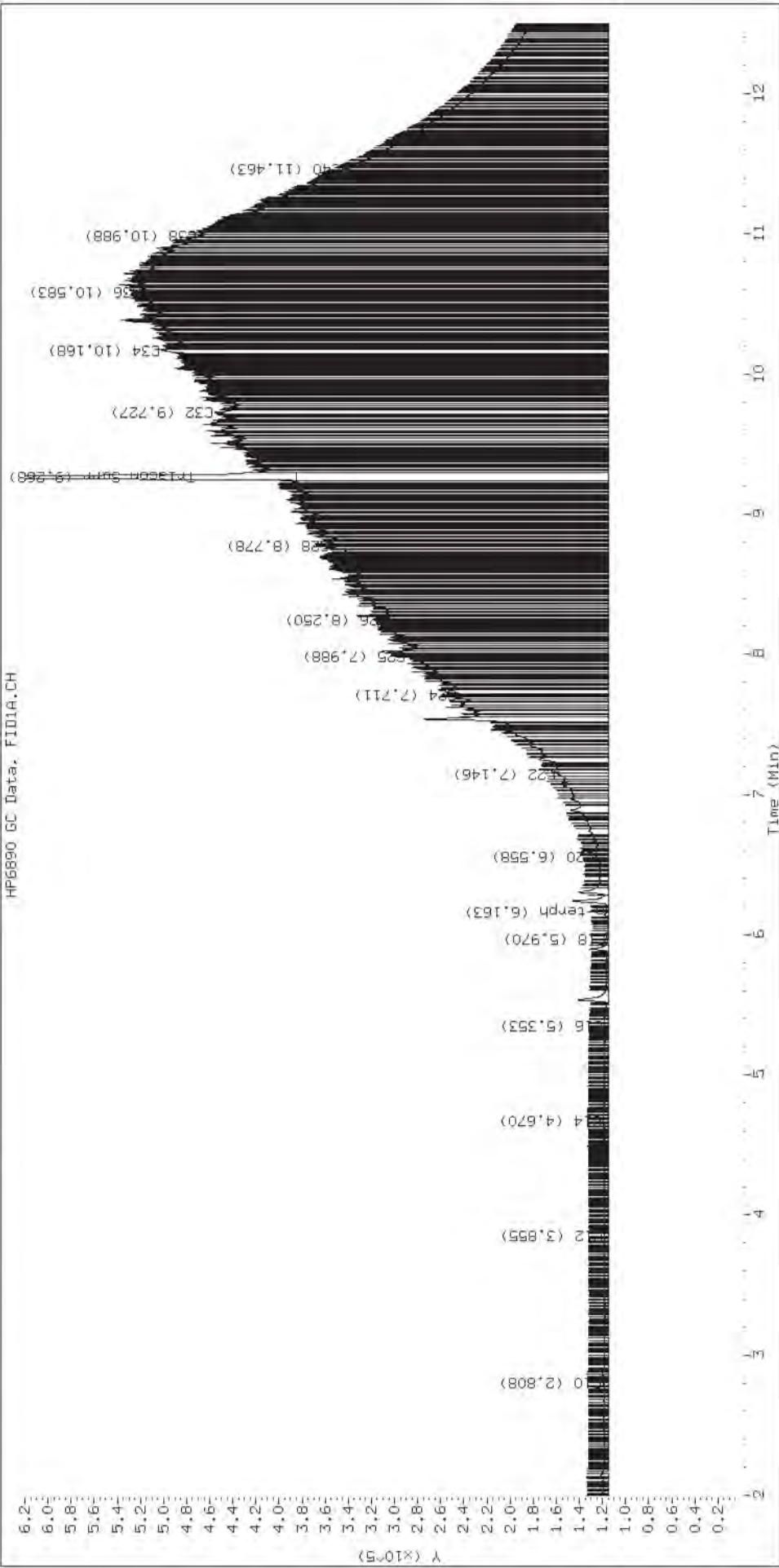
Surrogate	Area	Amount
o-Terphenyl	1126	0.0
Triacontane	3404066	19.5 M

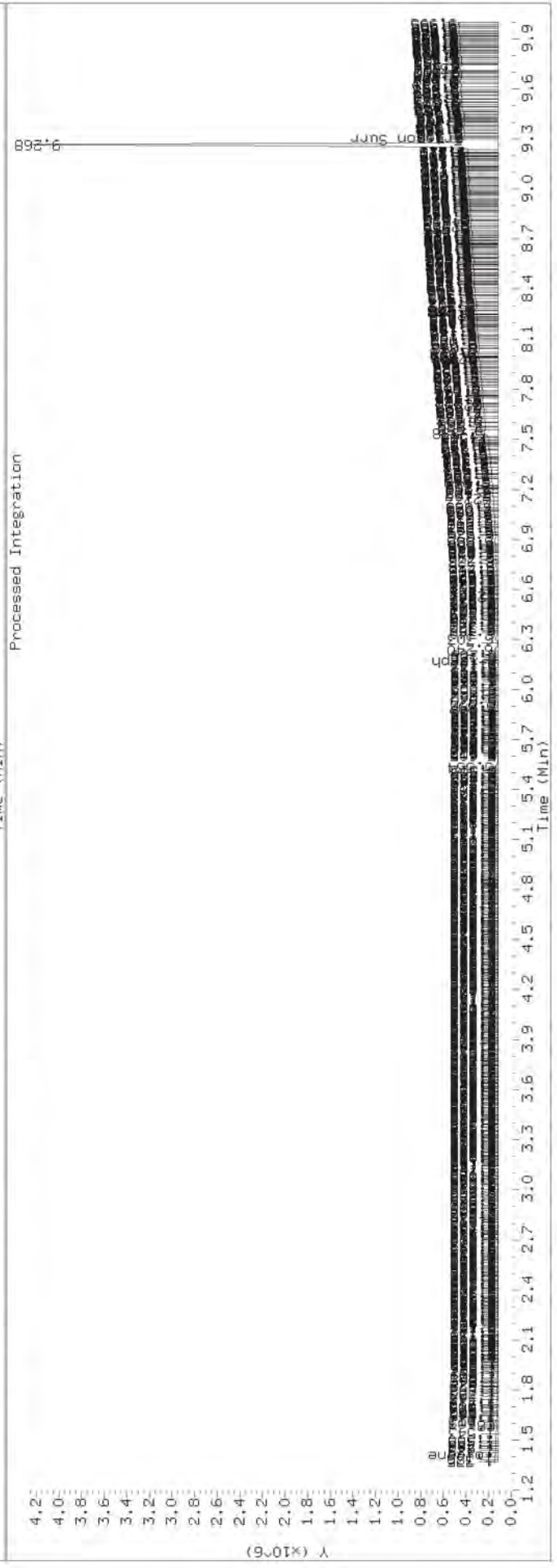
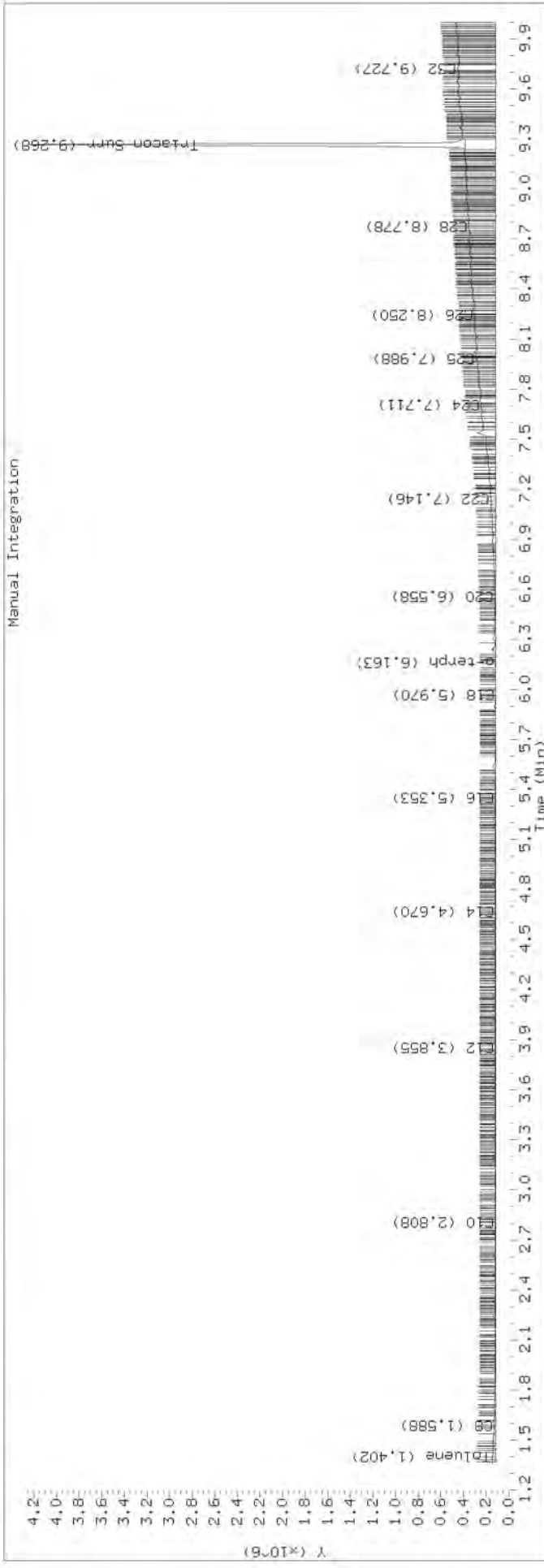
M Indicates the peak was manually integrated

Analyte	RF	Curve Date
o-Terph Surr	192003.9	
Triacon Surr	174221.0	
Gas	15000.0	XX-XXX-XXXX
Diesel	145750.5	06-DEC-2022
Motor Oil	132579.1	06-DEC-2022
AK102	172235.6	06-DEC-2022
AK103	98909.5	06-DEC-2022
OR Diesel	173767.2	06-DEC-2022
NAS Diesel	171749.5	06-DEC-2022

Datafile: FID4A, 20220106.b/422A0636.D SKA0028-CALF

HP6890 GC Data, FID1A.CH

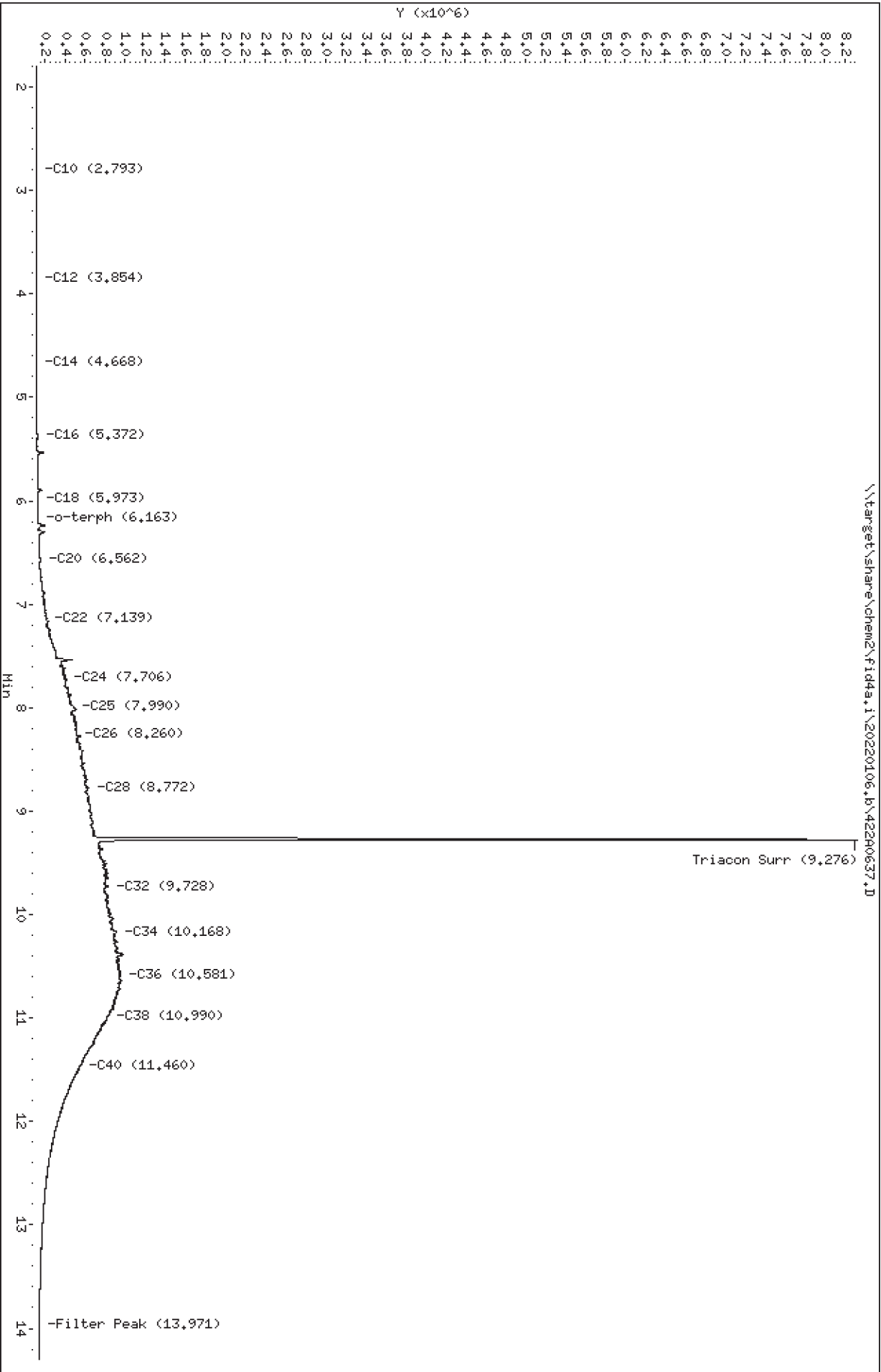




Data File: \\target\share\chem2\fid4a,1\20220106,b\42240637.D
Date: 06-JAN-2022 22:40
Client ID:
Sample Info: SKR0028-CALG

Column phase: RTX-1

Instrument: fid4a,1
Operator: TMC
Column diameter: 0.25



Analytical Resources Inc.
TPH Quantitation Report

Data file: 20220106.b/422A0637.D
Method: 20220106.b\FID4TPH.m
Instrument: fid4a.i, TWC
Report Date: 01/07/2022
Macro: 09-SEP-2019
Calibration Dates: Gas:XX-XXX-XXXX Diesel:06-DEC-2022 M.Oil:06-DEC-2022

ARI ID: SKA0028-CALG
Client ID:
Injection: 06-JAN-2022 22:40
Dilution Factor: 1
RT Std: 422A0603.D

FID:4A RESULTS

Compound	RT	Shift	Height	Area	Method	Range	Total Area	Conc (mg/L)
C8	1.564	-0.002	10251	8037	WATPHD	(C12-C24)	10669048	73.2
C10	2.793	-0.009	2989	2545	WATPHM	(C24-C38)	118912028	896.9
C12	3.854	-0.004	3129	3369	AK102	(C10-C25)	14106045	81.9
C14	4.668	-0.000	3674	726	AK103	(C25-C36)	96301748	973.6
C16	5.372	0.016	8563	21003	OR.DIES	(C10-C28)	36905977	212.4
C18	5.973	0.001	11679	12084				
C20	6.562	0.002	35663	24640				
C22	7.139	-0.002	103298	79290				
C24	7.706	-0.003	284447	224436				
C25	7.990	0.004	378257	277820				
C26	8.260	0.003	403438	120714				
C28	8.772	-0.004	516982	255803				
C32	9.728	-0.002	718410	459925				
C34	10.168	0.001	803384	239993				
Filter Peak	13.971	-0.002	27761	6898				
C36	10.581	-0.000	834404	331494				
C38	10.990	0.001	714197	317894				
C40	11.460	0.001	440399	153485				
o-terph	6.163	-0.004	14672	10827				
Triacon Surr	9.276	-0.014	7631149	7112816	NAS DIES	(C10-C24)	10776583	62.7

Range Times: NW Diesel(3.859 - 7.709) AK102(2.80 - 7.99) Jet A(2.80 - 5.97)
NW M.Oil(7.71 - 10.99) AK103(7.99 - 10.58) OR Diesel(2.80 - 8.78)

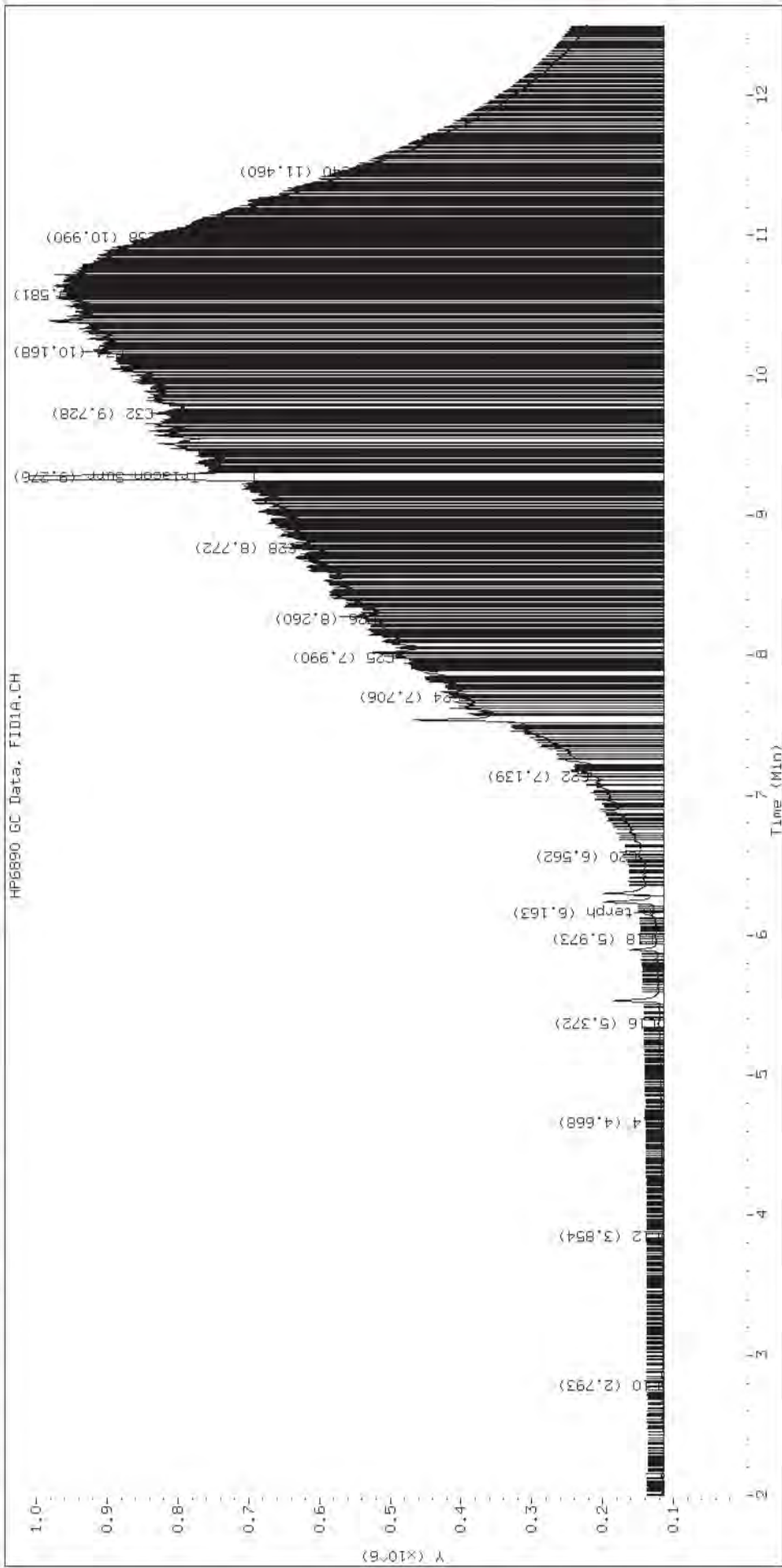
Surrogate	Area	Amount
o-Terphenyl	10827	0.1
Triacontane	7112816	40.8 M

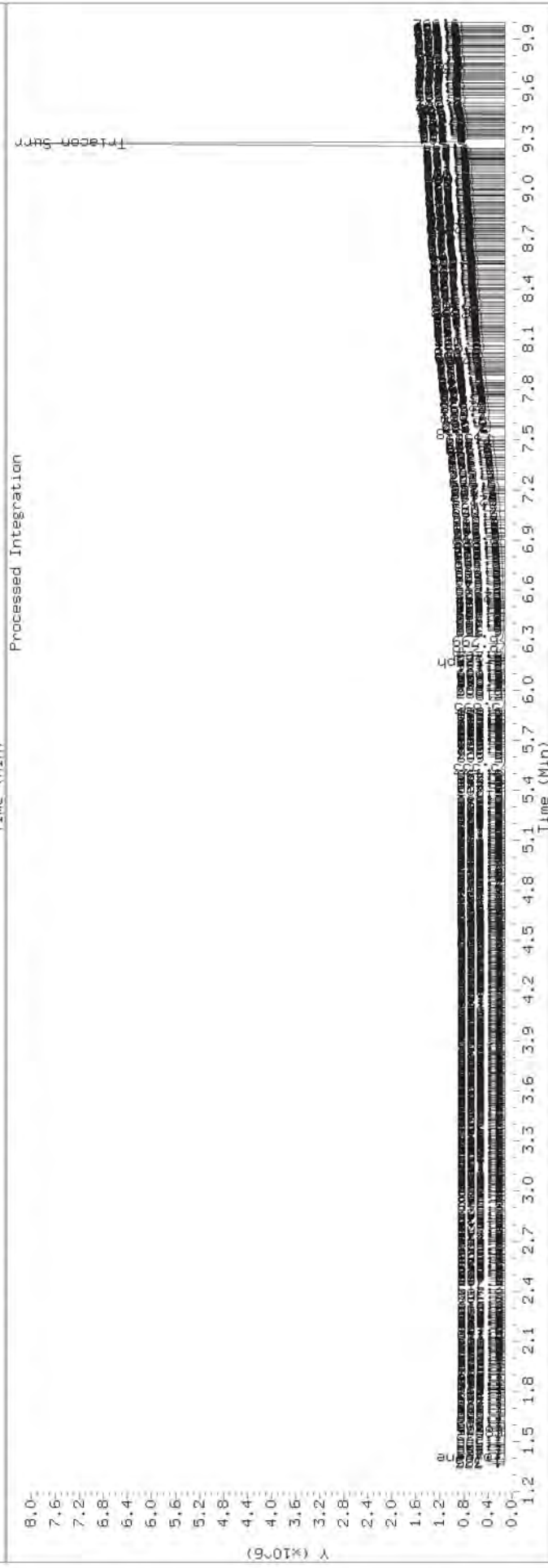
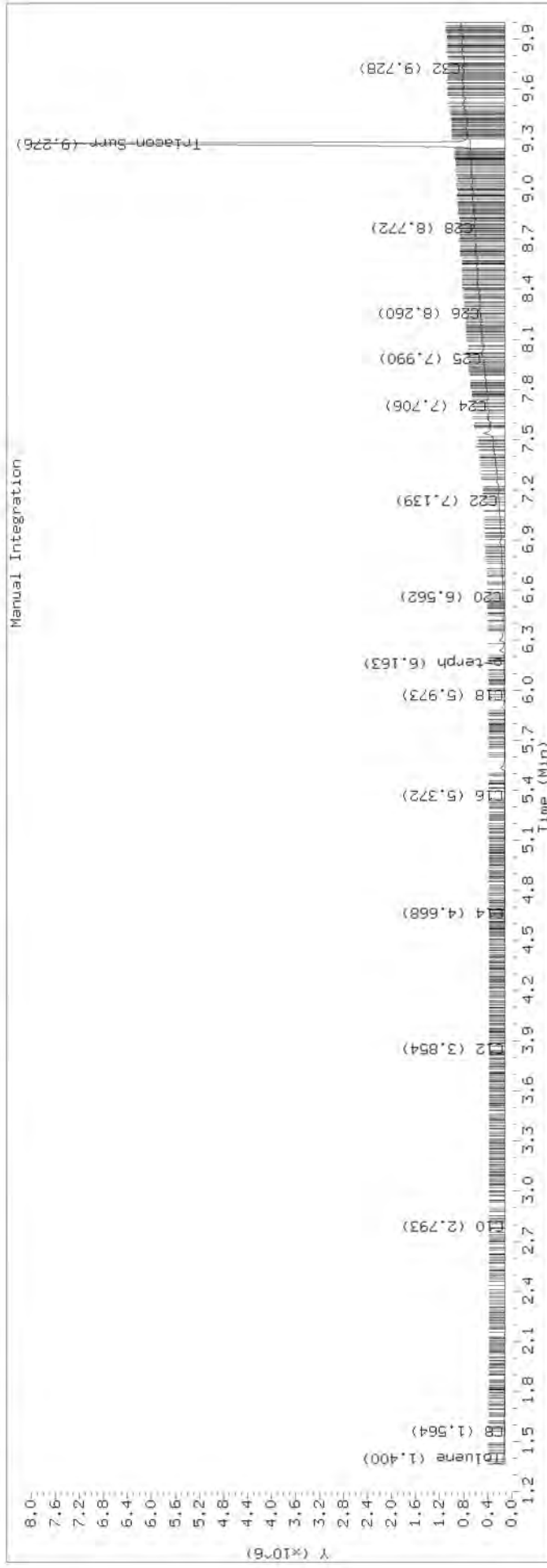
M Indicates the peak was manually integrated

Analyte	RF	Curve Date
o-Terph Surr	192003.9	
Triacon Surr	174221.0	
Gas	15000.0	XX-XXX-XXXX
Diesel	145750.5	06-DEC-2022
Motor Oil	132579.1	06-DEC-2022
AK102	172235.6	06-DEC-2022
AK103	98909.5	06-DEC-2022
OR Diesel	173767.2	06-DEC-2022
NAS Diesel	171749.5	06-DEC-2022

Datafile: FID4A, 20220106.b/422A0637.D SKA0028-CALG

HP6890 GC Data, FID1A.CH



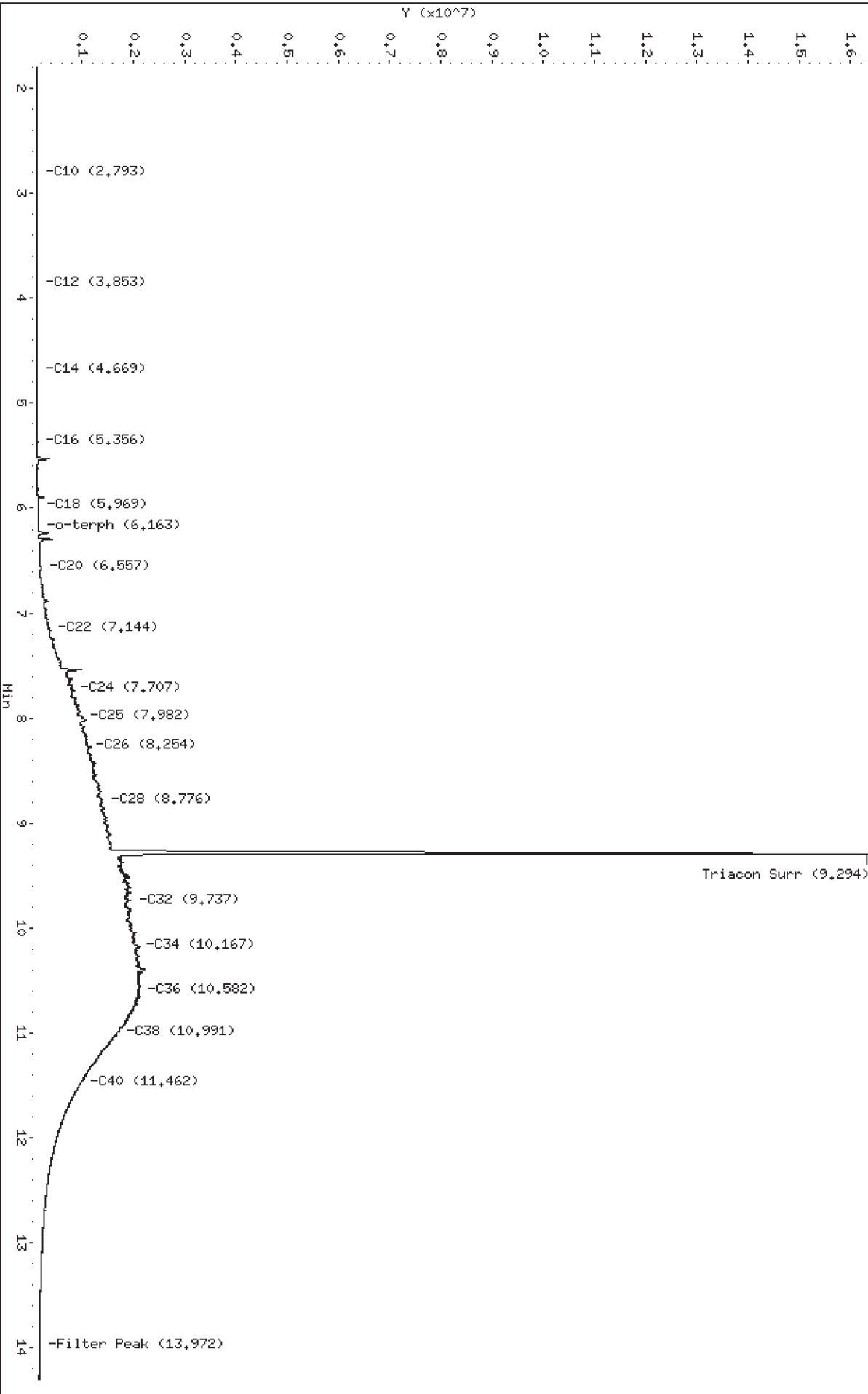


Data File: \\target\share\chem2\fid4a,1\20220106_b\42240638.D
Date: 06-JAN-2022 23:00
Client ID:
Sample Info: SKR0028-CALLH

Column phase: RTX-1

\\target\share\chem2\fid4a,1\20220106_b\42240638.D

Instrument: fid4a,1
Operator: TMC
Column diameter: 0.25



Analytical Resources Inc.
TPH Quantitation Report

Data file: 20220106.b/422A0638.D
Method: 20220106.b\FID4TPH.m
Instrument: fid4a.i, TWC
Report Date: 01/07/2022
Macro: 09-SEP-2019
Calibration Dates: Gas:XX-XXX-XXXX Diesel:06-DEC-2022 M.Oil:06-DEC-2022

ARI ID: SKA0028-CALH
Client ID:
Injection: 06-JAN-2022 23:00
Dilution Factor: 1
RT Std: 422A0603.D

FID:4A RESULTS

Compound	RT	Shift	Height	Area	Method	Range	Total Area	Conc (mg/L)
C8	1.550	-0.016	15003	25686	WATPHD	(C12-C24)	24361681	167.1
C10	2.793	-0.008	5806	4253	WATPHM	(C24-C38)	289674025	2184.9
C12	3.853	-0.006	4910	5292	AK102	(C10-C25)	32275990	187.4
C14	4.669	0.001	5973	2906	AK103	(C25-C36)	237850338	2404.7
C16	5.356	-0.001	13540	11261	OR.DIES	(C10-C28)	87712919	504.8
C18	5.969	-0.003	19481	20038				
C20	6.557	-0.003	74936	126475				
C22	7.144	0.003	236942	186098				
C24	7.707	-0.002	677766	469515				
C25	7.982	-0.005	863746	542351				
C26	8.254	-0.003	976816	340522				
C28	8.776	0.000	1285059	822854				
C32	9.737	0.008	1833990	3204593				
C34	10.167	-0.001	1975729	1066182				
Filter Peak	13.972	-0.001	47695	14242				
C36	10.582	0.001	1998401	1188859				
C38	10.991	0.002	1575341	1017575				
C40	11.462	0.002	881216	482236				
o-terph	6.163	-0.004	24484	15319				
Triacon Surr	9.294	0.004	14822727	18477737	NAS DIES	(C10-C24)	24461975	142.4

Range Times: NW Diesel(3.859 - 7.709) AK102(2.80 - 7.99) Jet A(2.80 - 5.97)
NW M.Oil(7.71 - 10.99) AK103(7.99 - 10.58) OR Diesel(2.80 - 8.78)

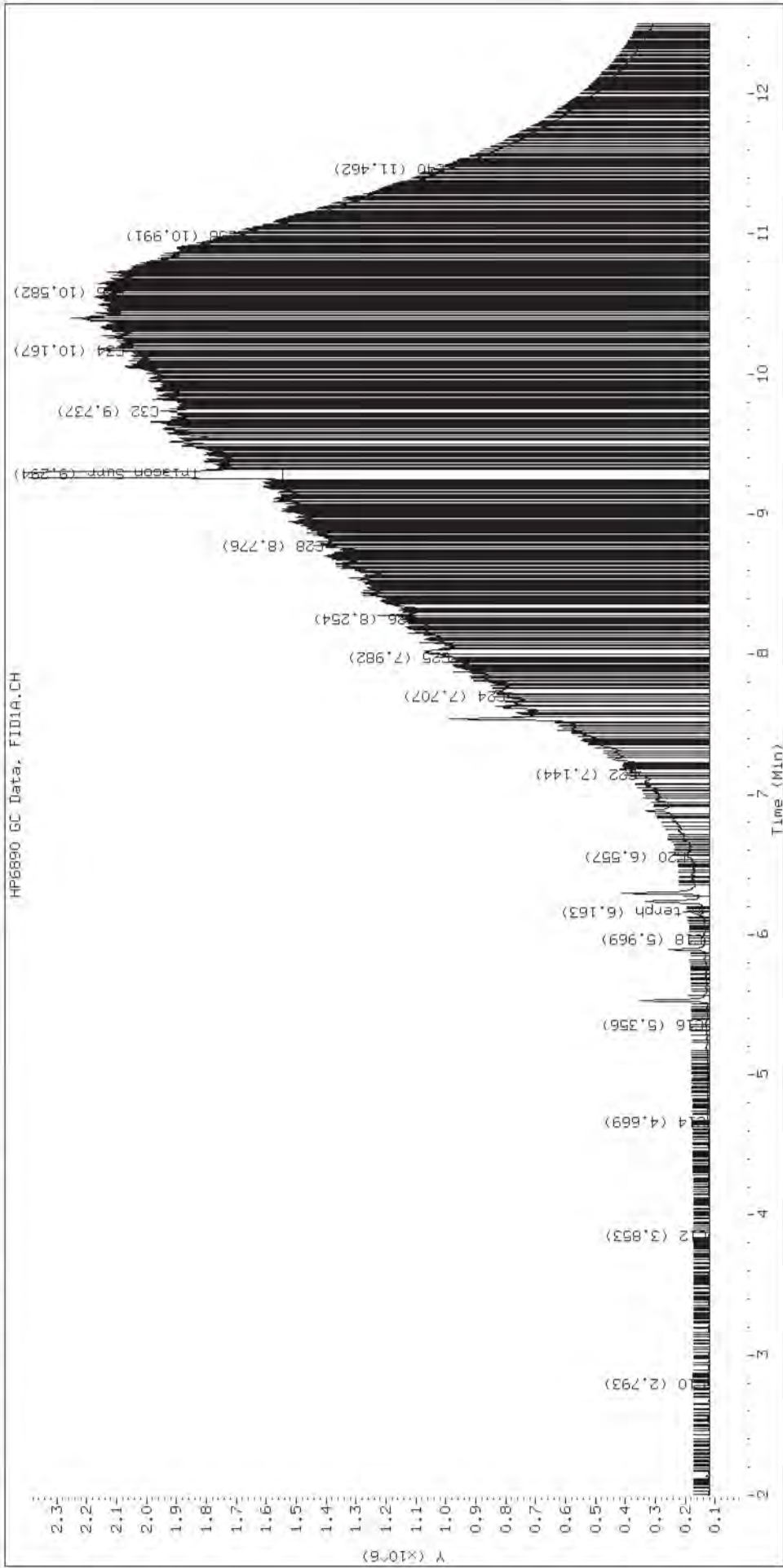
Surrogate	Area	Amount
o-Terphenyl	15319	0.1
Triacontane	18477737	106.1 M

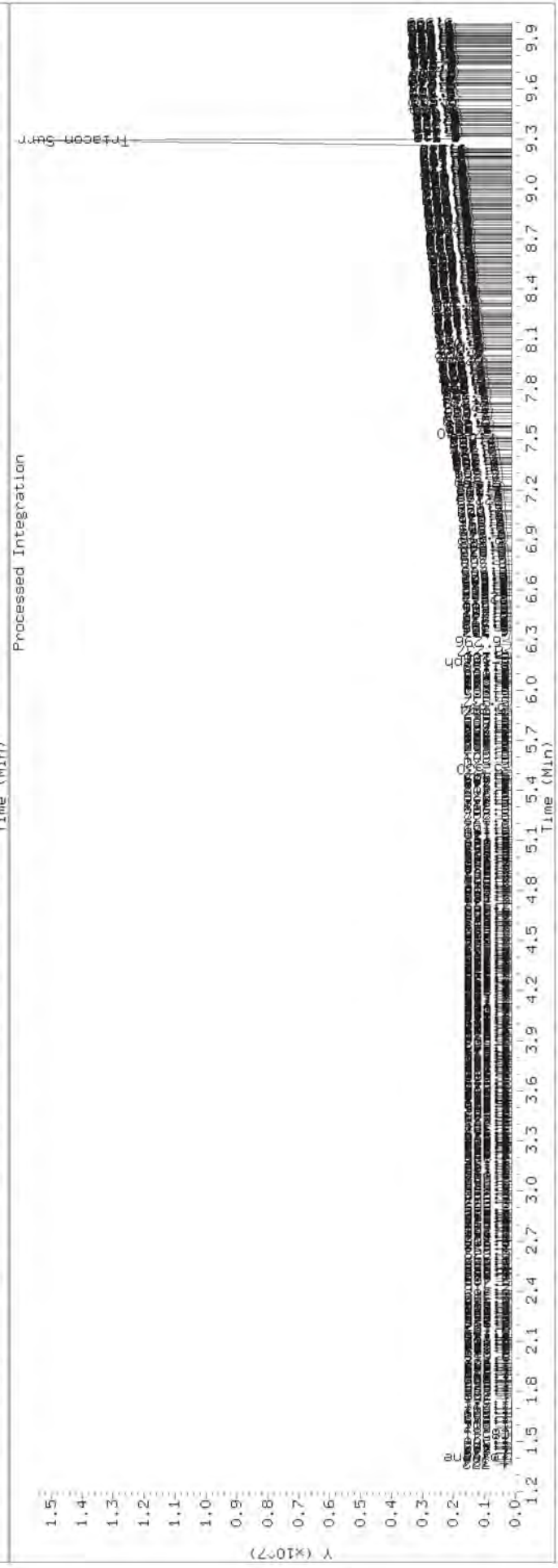
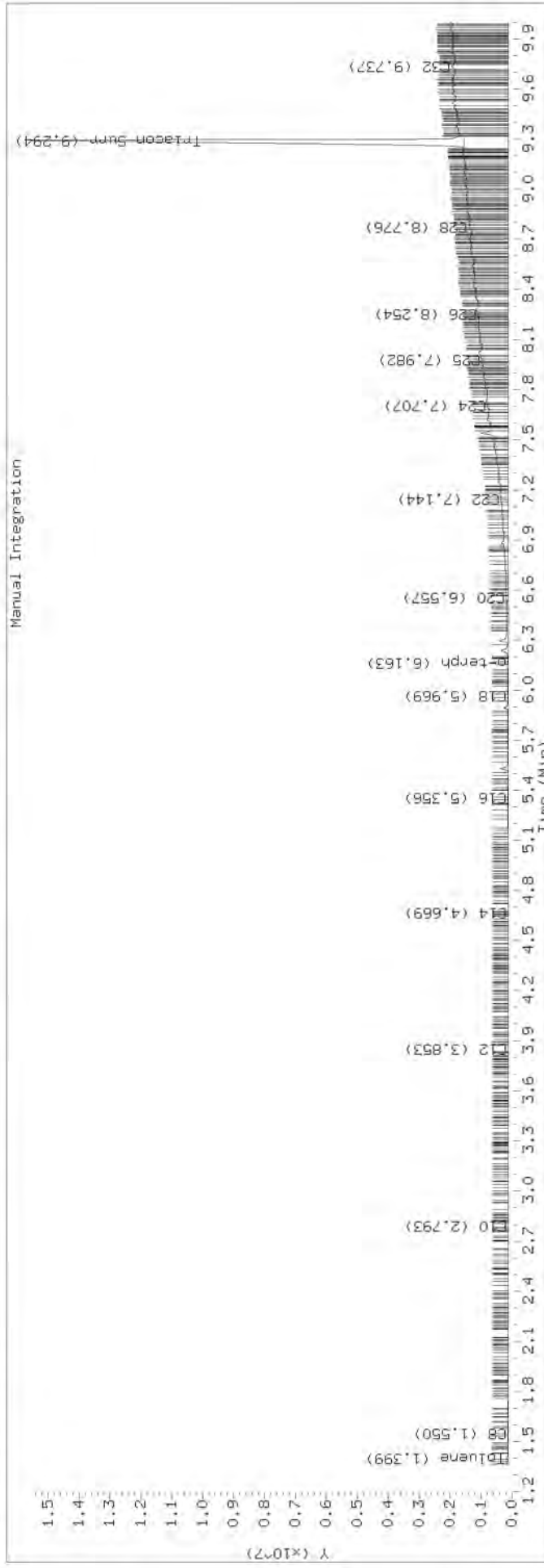
M Indicates the peak was manually integrated

Analyte	RF	Curve Date
o-Terph Surr	192003.9	
Triacon Surr	174221.0	
Gas	15000.0	XX-XXX-XXXX
Diesel	145750.5	06-DEC-2022
Motor Oil	132579.1	06-DEC-2022
AK102	172235.6	06-DEC-2022
AK103	98909.5	06-DEC-2022
OR Diesel	173767.2	06-DEC-2022
NAS Diesel	171749.5	06-DEC-2022

Datafile: FID4A, 20220106.b/422A0638.D SKA0028-CALH

HP6890 GC Data, FID1A.CH



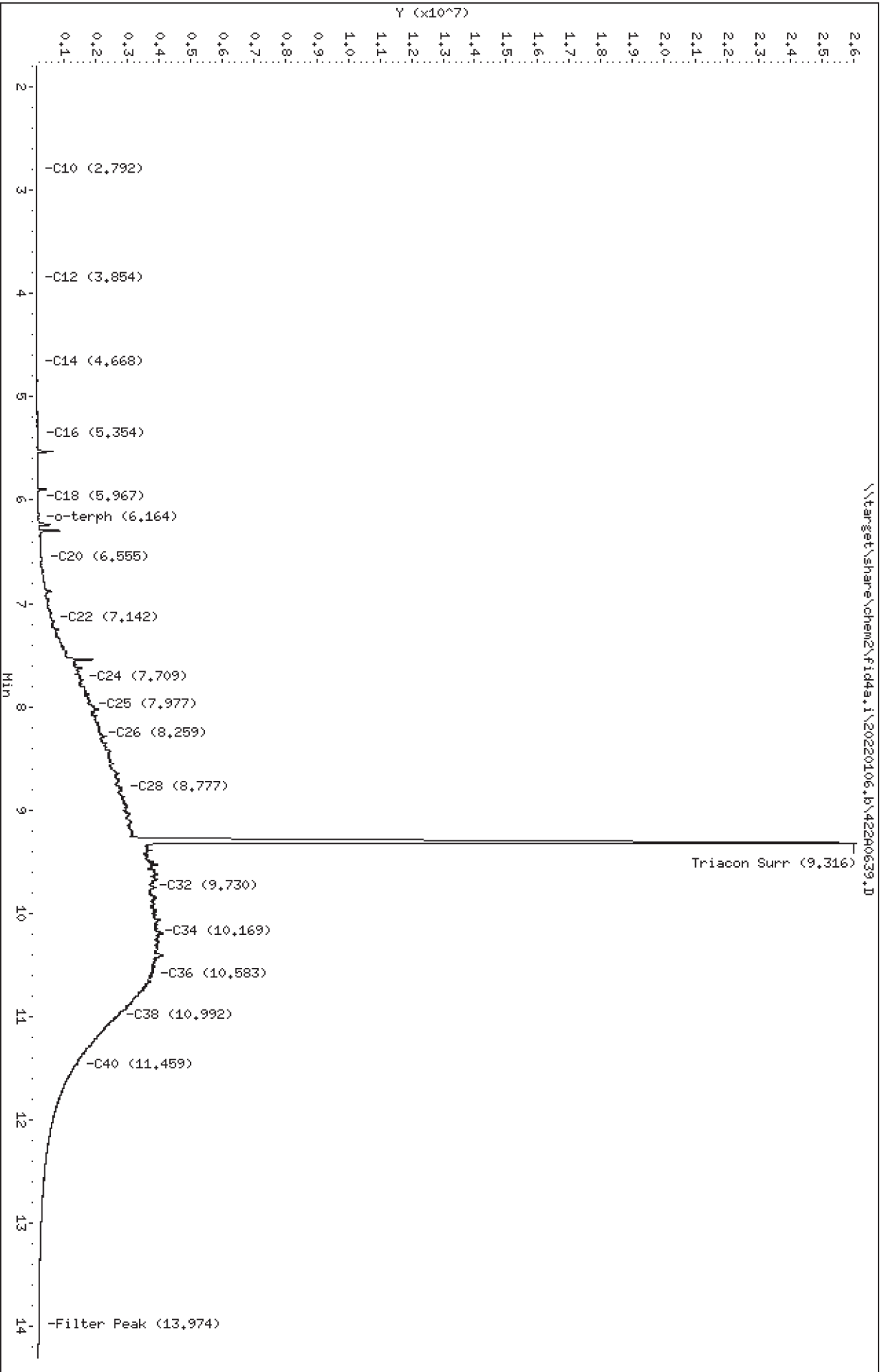


Data File: \\target\share\chem2\fid4a,1\20220106_b\42240639.D
Date: 06-JAN-2022 23:20
Client ID:
Sample Info: SKR0028-CALI

Instrument: fid4a,1

Column phase: RTX-1

Operator: TMC
Column diameter: 0.25



Analytical Resources Inc.
TPH Quantitation Report

Data file: 20220106.b/422A0639.D
Method: 20220106.b\FID4TPH.m
Instrument: fid4a.i, TWC
Report Date: 01/07/2022
Macro: 09-SEP-2019
Calibration Dates: Gas:XX-XXX-XXXX Diesel:06-DEC-2022 M.Oil:06-DEC-2022

ARI ID: SKA0028-CALI
Client ID:
Injection: 06-JAN-2022 23:20
Dilution Factor: 1
RT Std: 422A0603.D

FID:4A RESULTS

Compound	RT	Shift	Height	Area	Method	Range	Total Area	Conc (mg/L)
C8	1.565	-0.001	11725	6933	WATPHD	(C12-C24)	51665018	354.5
C10	2.792	-0.009	11749	9511	WATPHM	(C24-C38)	580345070	4377.3
C12	3.854	-0.005	12714	17010	AK102	(C10-C25)	67592612	392.4
C14	4.668	-0.000	16107	18663	AK103	(C25-C36)	492594942	4980.3
C16	5.354	-0.003	36148	36162	OR.DIES	(C10-C28)	183451140	1055.7
C18	5.967	-0.005	54500	58780				
C20	6.555	-0.004	168086	345395				
C22	7.142	0.001	496825	426514				
C24	7.709	-0.000	1380379	821529				
C25	7.977	-0.009	1684832	419304				
C26	8.259	0.002	2021095	604905				
C28	8.777	0.001	2684125	1195563				
C32	9.730	0.001	3627512	1086662				
C34	10.169	0.001	3804924	1327718				
Filter Peak	13.974	0.001	71473	21315				
C36	10.583	0.001	3665808	1277336				
C38	10.992	0.003	2584308	1280144				
C40	11.459	-0.000	1288075	1197871				
o-terph	6.164	-0.003	64420	50439				
Triacon Surr	9.316	0.026	22993117	39002952	NAS DIES	(C10-C24)	51959316	302.5

Range Times: NW Diesel(3.859 - 7.709) AK102(2.80 - 7.99) Jet A(2.80 - 5.97)
NW M.Oil(7.71 - 10.99) AK103(7.99 - 10.58) OR Diesel(2.80 - 8.78)

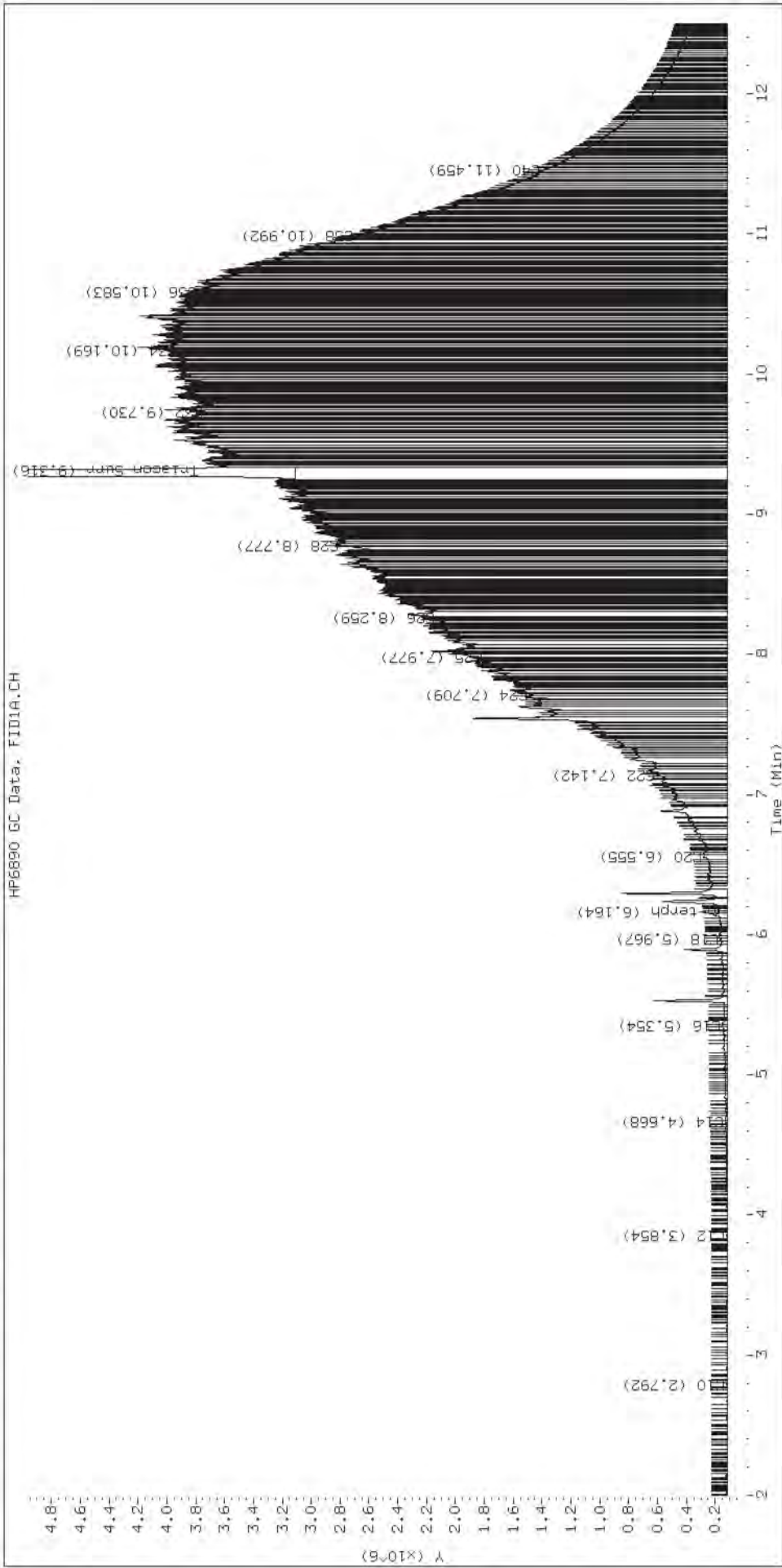
Surrogate	Area	Amount
o-Terphenyl	50439	0.3
Triacontane	39002952	223.9 M

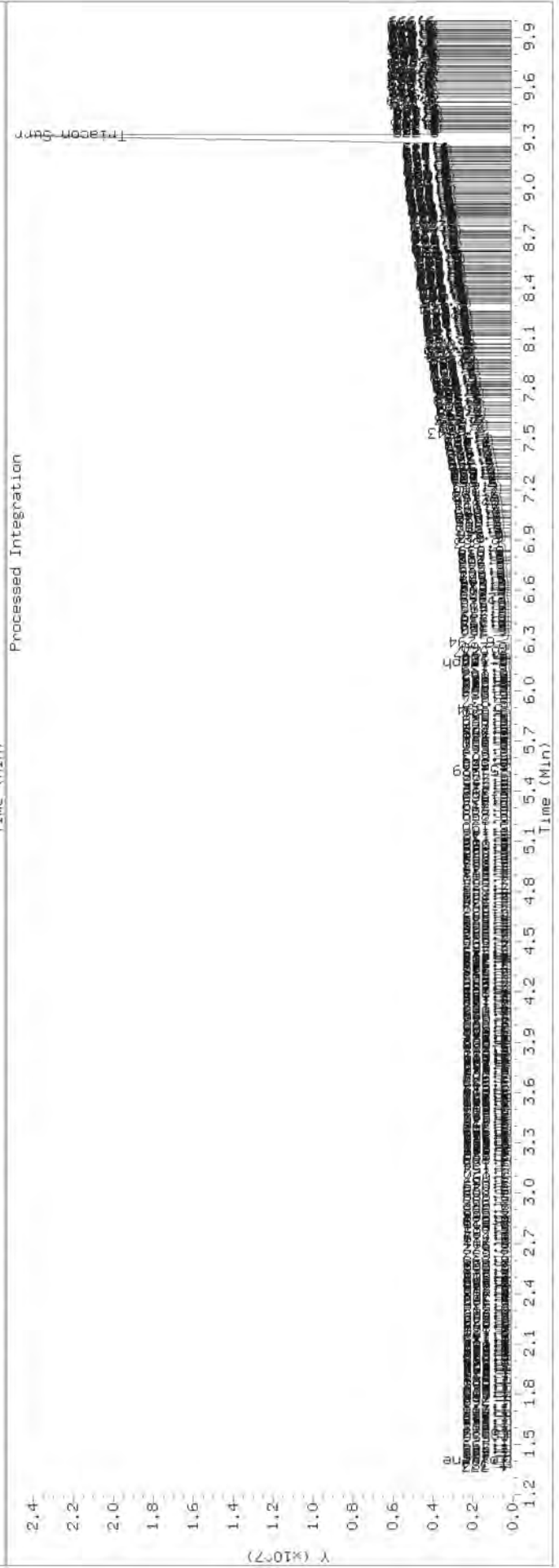
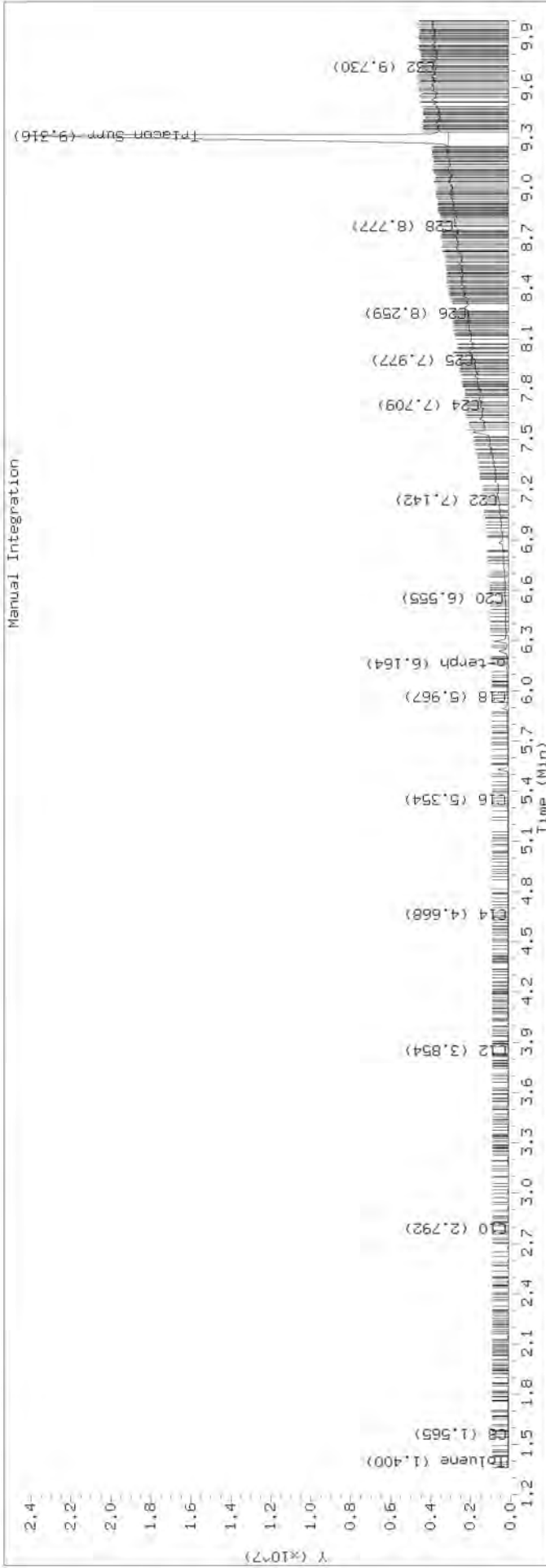
M Indicates the peak was manually integrated

Analyte	RF	Curve Date
o-Terph Surr	192003.9	
Triacon Surr	174221.0	
Gas	15000.0	XX-XXX-XXXX
Diesel	145750.5	06-DEC-2022
Motor Oil	132579.1	06-DEC-2022
AK102	172235.6	06-DEC-2022
AK103	98909.5	06-DEC-2022
OR Diesel	173767.2	06-DEC-2022
NAS Diesel	171749.5	06-DEC-2022

Datafile: FID4A, 20220106.b/422A0639.D SKA0028-CALI

HP6890 GC Data, FID1A.CH





Data File: \\target\share\chem2\fid4a,1\20220106,b\42280640.D

Date: 06-JAN-2022 23:40

Client ID:

Sample Info: SKR0028-SCV3

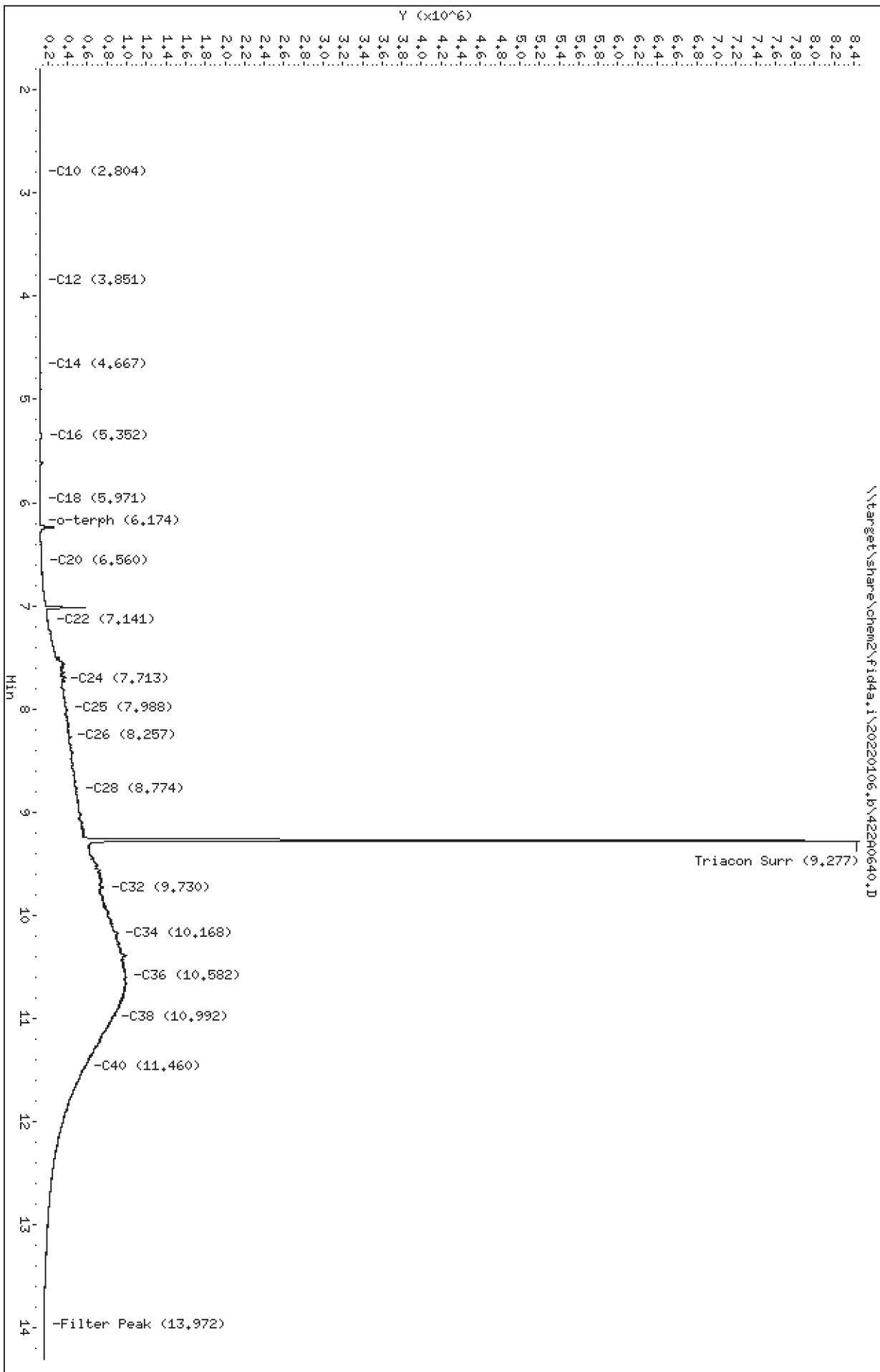
Column phase: RTX-1

Instrument: fid4a,1

Operator: TMC

Column diameter: 0.25

Page 1



Analytical Resources Inc.
TPH Quantitation Report

Data file: 20220106.b/422A0640.D
Method: 20220106.b\FID4TPH.m
Instrument: fid4a.i, TWC
Report Date: 01/07/2022
Macro: 09-SEP-2019
Calibration Dates: Gas:XX-XXX-XXXX Diesel:06-DEC-2022 M.Oil:06-DEC-2022

ARI ID: SKA0028-SCV3
Client ID:
Injection: 06-JAN-2022 23:40
Dilution Factor: 1
RT Std: 422A0603.D

FID:4A RESULTS

Compound	RT	Shift	Height	Area	Method	Range	Total Area	Conc (mg/L)
C8	1.565	-0.001	10365	9390	WATPHD	(C12-C24)	8234302	56.5
C10	2.804	0.003	643	178	WATPHM	(C24-C38)	105151101	793.1
C12	3.851	-0.008	703	353	AK102	(C10-C25)	10715206	62.2
C14	4.667	-0.001	2250	441	AK103	(C25-C36)	83158236	840.8
C16	5.352	-0.005	13074	30853	OR.DIES	(C10-C28)	27148572	156.2
C18	5.971	-0.001	2056	1103				
C20	6.560	0.000	19188	37853				
C22	7.141	-0.001	79210	165645				
C24	7.713	0.004	220193	54885				
C25	7.988	0.002	269226	184162				
C26	8.257	-0.001	291878	87241				
C28	8.774	-0.001	375908	167319				
C32	9.730	0.000	638880	408276				
C34	10.168	0.001	789241	274861				
Filter Peak	13.972	-0.001	40486	34016				
C36	10.582	0.000	869081	432796				
C38	10.992	0.003	735926	146906				
C40	11.460	0.000	461343	320017				
o-terph	6.174	0.007	2337	668				
Triacon Surr	9.277	-0.013	7897642	7651039	NAS DIES	(C10-C24)	8285201	48.2

Range Times: NW Diesel(3.859 - 7.709) AK102(2.80 - 7.99) Jet A(2.80 - 5.97)
NW M.Oil(7.71 - 10.99) AK103(7.99 - 10.58) OR Diesel(2.80 - 8.78)

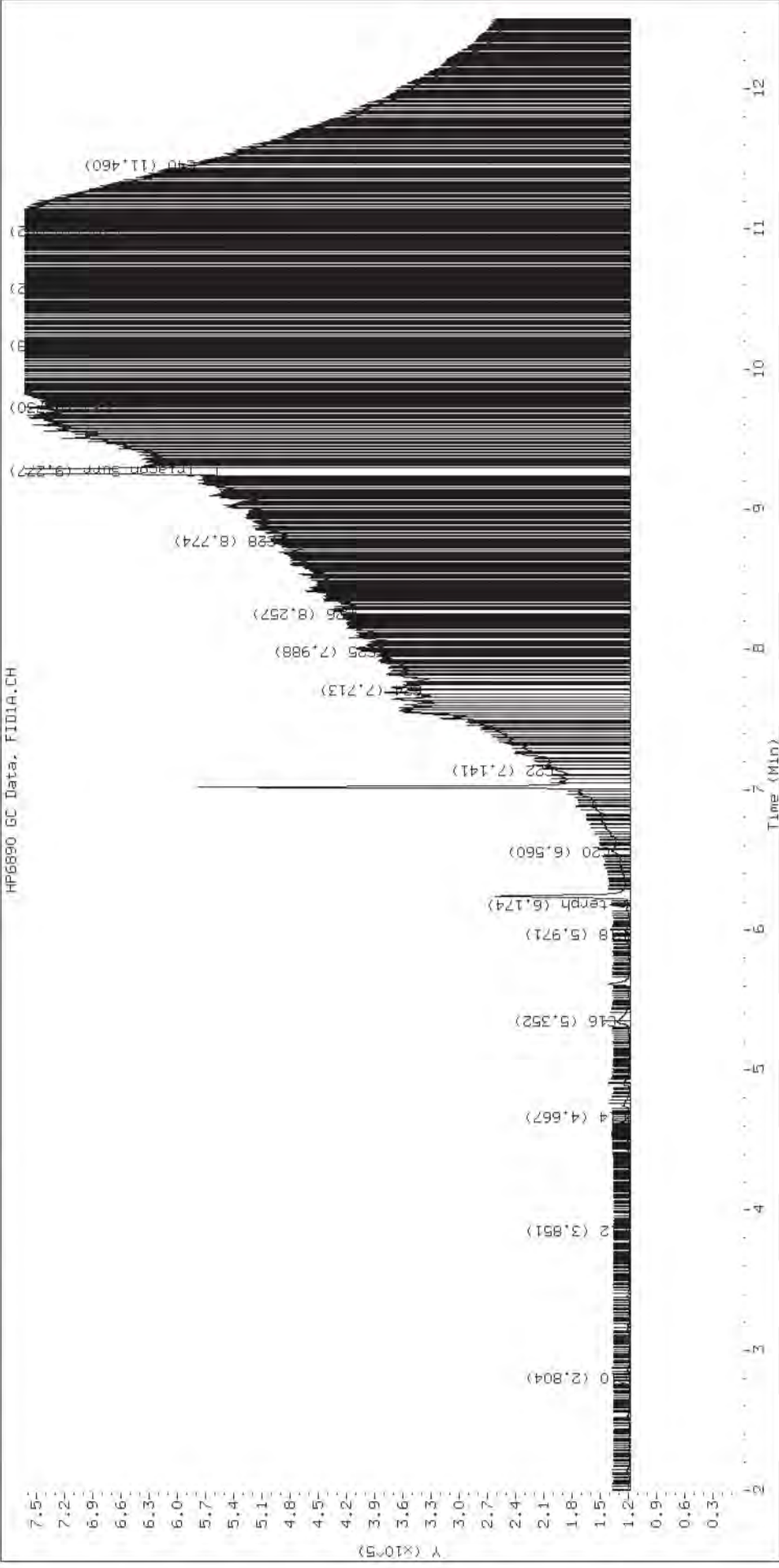
Surrogate	Area	Amount
o-Terphenyl	668	0.0
Triacontane	7651039	43.9 M

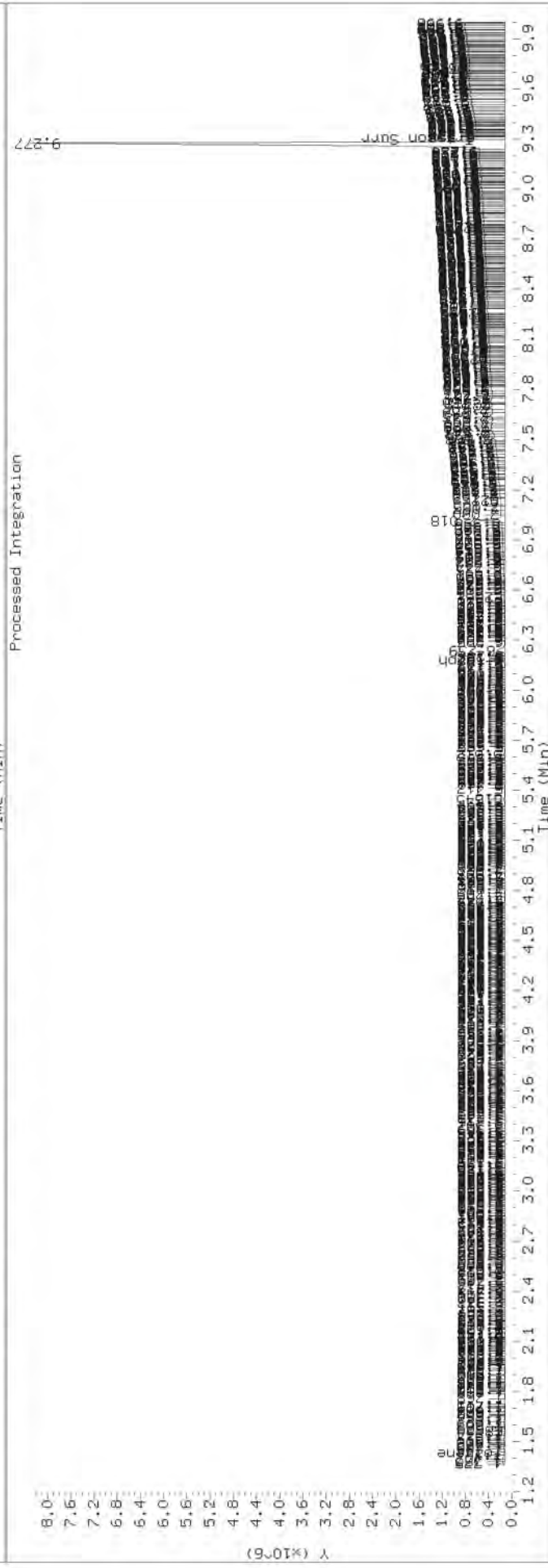
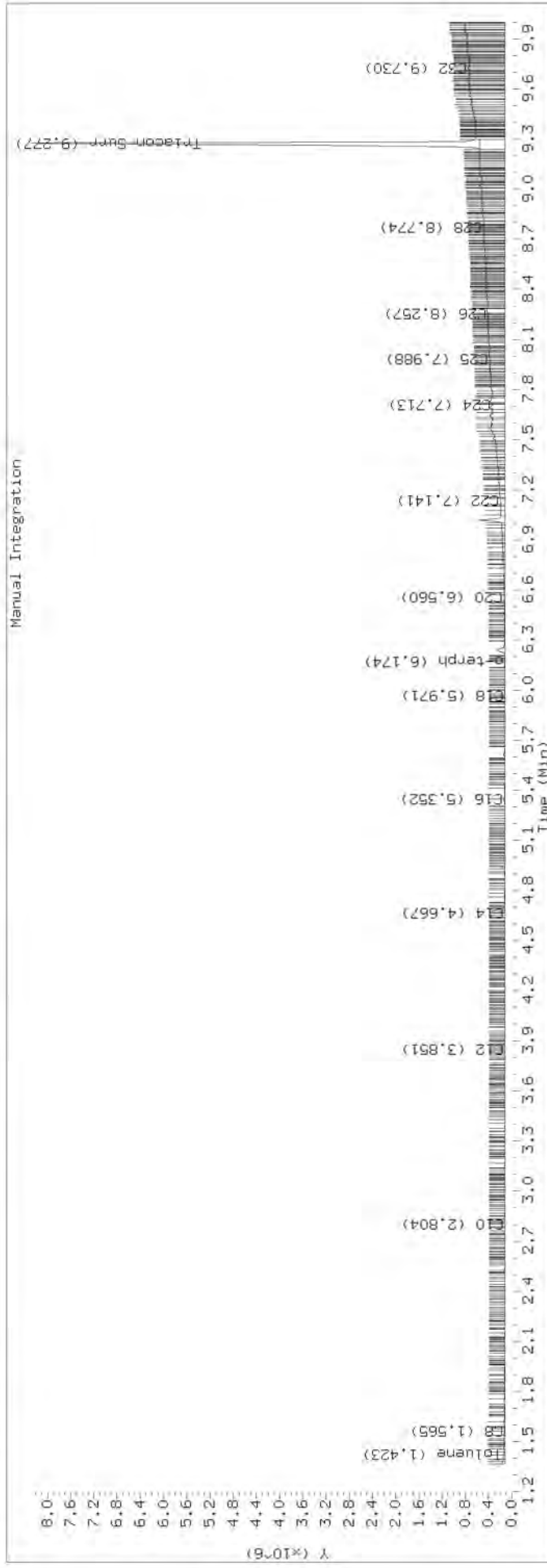
M Indicates the peak was manually integrated

Analyte	RF	Curve Date
o-Terph Surr	192003.9	
Triacon Surr	174221.0	
Gas	15000.0	XX-XXX-XXXX
Diesel	145750.5	06-DEC-2022
Motor Oil	132579.1	06-DEC-2022
AK102	172235.6	06-DEC-2022
AK103	98909.5	06-DEC-2022
OR Diesel	173767.2	06-DEC-2022
NAS Diesel	171749.5	06-DEC-2022

Datafile: FID4A, 20220106.b/422A0640.D SKA0028-SCV3

HP6890 GC Data, FID1A.CH





MANUAL INTEGRATION SUMMARY FOR DATABATCH - \\target\share\chem2\fid4a.i\20220106.b

ARI Job No.: RINS Method: FID4TPH.m Instrument: fid4a.i Date: 06--JAN--2022

Time Filename LabID ClientId DF Manually Integrated Compounds

0920	422A0601.D	RINSE		1	NO MANUAL INTEGRATION
0940	422A0602.D	RINSE		1	NO MANUAL INTEGRATION
0959	422A0603.D	SKA0028-IBL1		1	Toluene,
1019	422A0604.D	SKA0028-IBL2		1	NO MANUAL INTEGRATION
1039	422A0605.D	SKA0028-ICV1		1	o-terph,
1059	422A0606.D	SKA0028-ICV2		1	Triacon Surr,
1119	422A0607.D	BKA0056-BLKI		1	NO MANUAL INTEGRATION
1138	422A0608.D	BKA0056-BS1		1	o-terph,
1158	422A0609.D	BKA0056-MRL1		1	o-terph, Triacon Surr,
1218	422A0610.D	BKA0056-MRL2		1	o-terph, Triacon Surr,
1238	422A0611.D	22A0041-01		1	o-terph,
1258	422A0612.D	22A0041-01		10	Triacon Surr,
1317	422A0613.D	22A0041-02		10	NO MANUAL INTEGRATION
1337	422A0614.D	22A0041-01		20	o-terph, Triacon Surr,
1357	422A0615.D	22A0041-02		20	o-terph, Triacon Surr,
1417	422A0616.D	22A0041-03		20	o-terph, Triacon Surr,
1437	422A0617.D	22A0041-04		20	NO MANUAL INTEGRATION

MANUAL INTEGRATION SUMMARY FOR DATABATCH - \\target\share\chem2\fid4a.i\20220106.b

Time	Filename	LabID	ClientId	DF	Manually Integrated Compounds
1456	422A0618.D	SKA0028-CCV1	1	o-terph,	
1516	422A0619.D	SKA0028-CCV2	1	NO MANUAL INTEGRATION	
1704	422A0620.D	SKA0028-CAL1	1	o-terph,	
1724	422A0621.D	SKA0028-CAL2	1	o-terph,	
1744	422A0622.D	SKA0028-CAL3	1	o-terph,	
1804	422A0623.D	SKA0028-CAL4	1	o-terph,	
1823	422A0624.D	SKA0028-CAL5	1	o-terph,	
1843	422A0625.D	SKA0028-CAL6	1	o-terph,	
1903	422A0626.D	SKA0028-CAL7	1	Triacon Surr,	
1923	422A0627.D	SKA0028-CAL8	1	Triacon Surr,	
1943	422A0628.D	SKA0028-CAL9	1	Triacon Surr,	
2002	422A0629.D	SKA0028-CALA	1	Triacon Surr,	
2022	422A0630.D	SKA0028-CALB	1	Triacon Surr,	
2042	422A0631.D	SKA0028-CALC	1	Triacon Surr,	
2102	422A0632.D	SKA0028-SCV1	1	NO MANUAL INTEGRATION	
2121	422A0633.D	SKA0028-SCV2	1	NO MANUAL INTEGRATION	
2141	422A0634.D	SKA0028-CALD	1	Triacon Surr,	
2201	422A0635.D	SKA0028-CALE	1	Triacon Surr,	

MANUAL INTEGRATION SUMMARY FOR DATABATCH - \\target\share\chem2\fid4a.i\20220106.b

Time Filename LabID ClientId DF Manually Integrated Compounds

 2221 422A0636.D SKA0028-CALF 1 Triacon Surr,

2240 422A0637.D SKA0028-CALG 1 Triacon Surr,

2300 422A0638.D SKA0028-CALH 1 Triacon Surr,

2320 422A0639.D SKA0028-CALI 1 Triacon Surr,

2340 422A0640.D SKA0028-SCV3 1 Triacon Surr,

Security Status Report

Date: 07-Jan-2022 18:09

422A0601.D	Data Locked	tokala,	07-Jan-2022	17:54
422A0602.D	Data Locked	tokala,	07-Jan-2022	17:54
422A0603.D	Data Locked	tokala,	07-Jan-2022	17:54
422A0604.D	Data Locked	tokala,	07-Jan-2022	17:54
422A0605.D	Data Locked	tokala,	07-Jan-2022	17:54
422A0606.D	Data Locked	tokala,	07-Jan-2022	17:54
422A0607.D	Data Locked	tokala,	07-Jan-2022	17:54
422A0608.D	Data Locked	tokala,	07-Jan-2022	17:54
422A0609.D	Data Locked	tokala,	07-Jan-2022	17:54
422A0610.D	Data Locked	tokala,	07-Jan-2022	17:54
422A0611.D	Data Locked	tokala,	07-Jan-2022	17:54
422A0612.D	Data Locked	tokala,	07-Jan-2022	17:54
422A0613.D	Data Locked	tokala,	07-Jan-2022	17:54
422A0614.D	Data Locked	tokala,	07-Jan-2022	17:54
422A0615.D	Data Locked	tokala,	07-Jan-2022	17:54
422A0616.D	Data Locked	tokala,	07-Jan-2022	17:54
422A0617.D	Data Locked	tokala,	07-Jan-2022	17:54
422A0618.D	Data Locked	tokala,	07-Jan-2022	17:54
422A0619.D	Data Locked	tokala,	07-Jan-2022	17:54
422A0620.D	Data Locked	tokala,	07-Jan-2022	17:54
422A0621.D	Data Locked	tokala,	07-Jan-2022	17:54
422A0622.D	Data Locked	tokala,	07-Jan-2022	17:54
422A0623.D	Data Locked	tokala,	07-Jan-2022	17:54
422A0624.D	Data Locked	tokala,	07-Jan-2022	17:54
422A0625.D	Data Locked	tokala,	07-Jan-2022	17:54
422A0626.D	Data Locked	tokala,	07-Jan-2022	17:54
422A0627.D	Data Locked	tokala,	07-Jan-2022	17:54
422A0628.D	Data Locked	tokala,	07-Jan-2022	17:54
422A0629.D	Data Locked	tokala,	07-Jan-2022	17:54
422A0630.D	Data Locked	tokala,	07-Jan-2022	17:54
422A0631.D	Data Locked	tokala,	07-Jan-2022	17:54
422A0632.D	Data Locked	tokala,	07-Jan-2022	17:54
422A0633.D	Data Locked	tokala,	07-Jan-2022	17:54
422A0634.D	Data Locked	tokala,	07-Jan-2022	17:54
422A0635.D	Data Locked	tokala,	07-Jan-2022	17:54
422A0636.D	Data Locked	tokala,	07-Jan-2022	17:54
422A0637.D	Data Locked	tokala,	07-Jan-2022	17:54
422A0638.D	Data Locked	tokala,	07-Jan-2022	17:54
422A0639.D	Data Locked	tokala,	07-Jan-2022	17:54
422A0640.D	Data Locked	tokala,	07-Jan-2022	17:54

ARI Labs, Inc.
RETENTION TIME SUMMARY REPORT

Method File: \\target\share\chem2\fid4a.i\20220106.b\FID4TPH.m
Batch File: \\target\share\chem2\fid4a.i\20220106.b
Inst ID: fid4a.i

Motor Oil RT Study

ID: RT01 RT02 RT03 RT04 RT05 RT06
FILENAME: 422A0626 422A0627 422A0628 422A0629 422A0630 422A0631
INJ. DATE: 06-JAN-2022 06-JAN-2022 06-JAN-2022 06-JAN-2022 06-JAN-2022 06-JAN-2022
INJ. TIME: 19:03 19:23 19:43 20:02 20:22 20:42

Compound	RT01	RT02	RT03	RT04	RT05	RT06	EXPEC RT	RT WINDOW	AVG RT	STD DEV
1 Toluene	1.401	1.414	1.425	1.424	1.424	1.425	1.413	1.313-1.513	1.419	0.010
38 NewCpnd_31	+++++	+++++	+++++	+++++	+++++	+++++	1.000	0.950-1.050	+++++	+++++
35 Mineral Oil	+++++	+++++	+++++	+++++	+++++	+++++	1.015	0.965-1.065	+++++	+++++
41 Mineral Spirits	+++++	+++++	+++++	+++++	+++++	+++++	1.000	0.950-1.050	+++++	+++++
2 C8	1.567	1.564	1.561	1.566	1.577	1.567	1.566	1.466-1.666	1.567	0.005
3 C10	2.807	2.795	2.810	2.796	2.794	2.794	2.801	2.751-2.851	2.799	0.007
4 C12	3.854	3.863	3.860	3.854	3.853	3.854	3.859	3.809-3.909	3.856	0.004
5 C14	4.672	4.668	4.668	4.666	4.669	4.664	4.668	4.618-4.718	4.668	0.003
6 C16	5.358	5.359	5.360	5.356	5.356	5.354	5.356	5.306-5.406	5.357	0.002
7 C18	5.971	5.972	5.970	5.974	5.970	5.968	5.972	5.922-6.022	5.971	0.002
8 o-terph	6.165	6.174	6.163	6.165	6.165	6.164	6.167	6.117-6.217	6.166	0.004
9 C20	6.561	6.563	6.561	6.560	6.559	6.559	6.560	6.510-6.610	6.561	0.002
10 C22	7.144	7.145	7.143	7.144	7.144	7.142	7.141	7.091-7.191	7.143	0.001
11 C24	7.709	7.710	7.705	7.706	7.713	7.708	7.709	7.659-7.759	7.708	0.003
12 C25	7.981	7.985	7.987	7.986	7.984	7.986	7.986	7.936-8.036	7.985	0.002
13 C26	8.253	8.254	8.255	8.247	8.259	8.255	8.257	8.207-8.307	8.254	0.004
14 C28	8.780	8.776	8.780	8.782	8.775	8.772	8.775	8.725-8.825	8.778	0.004

Reviewer 1 _____ Date: _____
Reviewer 2 _____ Date: _____

ARI Labs, Inc.
RETENTION TIME SUMMARY REPORT

Method File: \\target\share\chem2\fid4a.i\20220106.b\FID4TPH.m
 Batch File: \\target\share\chem2\fid4a.i\20220106.b
 Inst ID: fid4a.i

Compound	RT01	RT02	RT03	RT04	RT05	RT06	EXPEC RT1	RT WINDOW	AVG RT	STD DEV
15 Triacon Surr	9.260	9.263	9.269	9.277	9.296	9.319	9.290	9.240-9.340	9.281	0.022
16 C32	9.725	9.726	9.731	9.731	9.731	9.734	9.730	9.680-9.780	9.730	0.004
17 C34	10.169	10.164	10.171	10.167	10.171	10.170	10.167	10.117-10.217	10.169	0.003
18 Filter Peak	13.974	13.970	13.970	13.976	13.973	13.976	13.973	13.873-14.073	13.973	0.002
19 C36	10.580	10.578	10.577	10.587	10.580	10.579	10.581	10.531-10.631	10.580	0.004
20 C38	10.985	10.990	10.987	10.988	10.995	10.994	10.989	10.939-11.039	10.990	0.004
21 C40	11.462	11.459	11.459	11.461	11.461	11.457	11.460	11.410-11.510	11.460	0.002
29 NW Diesel	+++++	+++++	+++++	+++++	+++++	+++++	0.899	0.849-0.949	+++++	+++++
37 ACreosote	+++++	+++++	+++++	+++++	+++++	+++++	1.000	0.950-1.050	+++++	+++++
34 Jet A	+++++	+++++	+++++	+++++	+++++	+++++	1.024	0.974-1.074	+++++	+++++
30 NW Moil	+++++	+++++	+++++	+++++	+++++	+++++	0.885	0.835-0.935	+++++	+++++
31 NW AK102	+++++	+++++	+++++	+++++	+++++	+++++	0.803	0.753-0.853	+++++	+++++
32 Bunker C	+++++	+++++	+++++	+++++	+++++	+++++	0.812	0.762-0.862	+++++	+++++
33 AK103	+++++	+++++	+++++	+++++	+++++	+++++	1.344	1.294-1.394	+++++	+++++
36 ABunker C	+++++	+++++	+++++	+++++	+++++	+++++	0.985	0.935-1.035	+++++	+++++
39 OR Diesel	+++++	+++++	+++++	+++++	+++++	+++++	1.000	0.950-1.050	+++++	+++++
40 NAS Diesel	+++++	+++++	+++++	+++++	+++++	+++++	1.000	0.950-1.050	+++++	+++++

ARI Labs, Inc.
RETENTION TIME SUMMARY REPORT

Method File: \\target\share\chem2\fid4a.i\20220106.b\FID4TPH.m
Batch File: \\target\share\chem2\fid4a.i\20220106.b
Inst ID: fid4a.i

AK103 RT Study

ID: RT01 RT02 RT03 RT04 RT05 RT06
FILENAME: 422A0634 422A0635 422A0636 422A0637 422A0638 422A0639
INJ. DATE: 06-JAN-2022 06-JAN-2022 06-JAN-2022 06-JAN-2022 06-JAN-2022 06-JAN-2022
INJ. TIME: 21:41 22:01 22:21 22:40 23:00 23:20

Compound	RT01	RT02	RT03	RT04	RT05	RT06	EXPEC RT	RT WINDOW	AVG RT	STD DEV
1 Toluene	1.400	1.403	1.402	1.400	1.399	1.400	1.413	1.313-1.513	1.401	0.001
38 NewCpnd_31	+++++	+++++	+++++	+++++	+++++	+++++	1.000	0.950-1.050	+++++	+++++
35 Mineral Oil	+++++	+++++	+++++	+++++	+++++	+++++	1.015	0.965-1.065	+++++	+++++
41 Mineral Spirits	+++++	+++++	+++++	+++++	+++++	+++++	1.000	0.950-1.050	+++++	+++++
2 C8	1.567	1.577	1.588	1.564	1.550	1.565	1.566	1.466-1.666	1.569	0.013
3 C10	2.800	2.808	2.808	2.793	2.793	2.792	2.801	2.751-2.851	2.799	0.008
4 C12	3.855	3.853	3.855	3.854	3.853	3.854	3.859	3.809-3.909	3.854	0.001
5 C14	4.670	4.667	4.670	4.668	4.669	4.668	4.668	4.618-4.718	4.668	0.001
6 C16	5.362	5.354	5.353	5.372	5.356	5.354	5.356	5.306-5.406	5.358	0.007
7 C18	5.964	5.975	5.970	5.973	5.969	5.967	5.972	5.922-6.022	5.970	0.004
8 o-terph	6.172	6.163	6.163	6.163	6.163	6.164	6.167	6.117-6.217	6.165	0.004
9 C20	6.560	6.558	6.558	6.562	6.557	6.555	6.560	6.510-6.610	6.558	0.002
10 C22	7.140	7.143	7.146	7.139	7.144	7.142	7.141	7.091-7.191	7.142	0.002
11 C24	7.705	7.703	7.711	7.706	7.707	7.709	7.709	7.659-7.759	7.707	0.003
12 C25	7.990	7.988	7.988	7.990	7.982	7.977	7.986	7.936-8.036	7.986	0.005
13 C26	8.258	8.253	8.250	8.260	8.254	8.259	8.257	8.207-8.307	8.256	0.004
14 C28	8.770	8.767	8.778	8.772	8.776	8.777	8.775	8.725-8.825	8.773	0.004

Reviewer 1 _____ Date: _____
Reviewer 2 _____ Date: _____

ARI Labs, Inc.
RETENTION TIME SUMMARY REPORT

Method File: \\target\share\chem2\fid4a.i\20220106.b\FID4TPH.m
 Batch File: \\target\share\chem2\fid4a.i\20220106.b
 Inst ID: fid4a.i

Compound	RT01	RT02	RT03	RT04	RT05	RT06	EXPEC RT1	RT WINDOW	AVG RT	STD DEV
15 Triacon Surr	9.262	9.264	9.268	9.276	9.294	9.316	9.290	9.240-9.340	9.280	0.021
16 C32	9.727	9.733	9.727	9.728	9.737	9.730	9.730	9.680-9.780	9.730	0.004
17 C34	10.166	10.167	10.168	10.168	10.167	10.169	10.167	10.117-10.217	10.168	0.001
18 Filter Peak	13.971	13.973	13.971	13.971	13.972	13.974	13.973	13.873-14.073	13.972	0.001
19 C36	10.585	10.578	10.583	10.581	10.582	10.583	10.581	10.531-10.631	10.582	0.002
20 C38	10.986	10.983	10.988	10.990	10.991	10.992	10.989	10.939-11.039	10.988	0.003
21 C40	11.466	11.462	11.463	11.460	11.462	11.459	11.460	11.410-11.510	11.462	0.002
29 NW Diesel	+++++	+++++	+++++	+++++	+++++	+++++	0.899	0.849-0.949	+++++	+++++
37 ACreosote	+++++	+++++	+++++	+++++	+++++	+++++	1.000	0.950-1.050	+++++	+++++
34 Jet A	+++++	+++++	+++++	+++++	+++++	+++++	1.024	0.974-1.074	+++++	+++++
30 NW Moil	+++++	+++++	+++++	+++++	+++++	+++++	0.885	0.835-0.935	+++++	+++++
31 NW AK102	+++++	+++++	+++++	+++++	+++++	+++++	0.803	0.753-0.853	+++++	+++++
32 Bunker C	+++++	+++++	+++++	+++++	+++++	+++++	0.812	0.762-0.862	+++++	+++++
33 AK103	+++++	+++++	+++++	+++++	+++++	+++++	1.344	1.294-1.394	+++++	+++++
36 ABunker C	+++++	+++++	+++++	+++++	+++++	+++++	0.985	0.935-1.035	+++++	+++++
39 OR Diesel	+++++	+++++	+++++	+++++	+++++	+++++	1.000	0.950-1.050	+++++	+++++
40 NAS Diesel	+++++	+++++	+++++	+++++	+++++	+++++	1.000	0.950-1.050	+++++	+++++

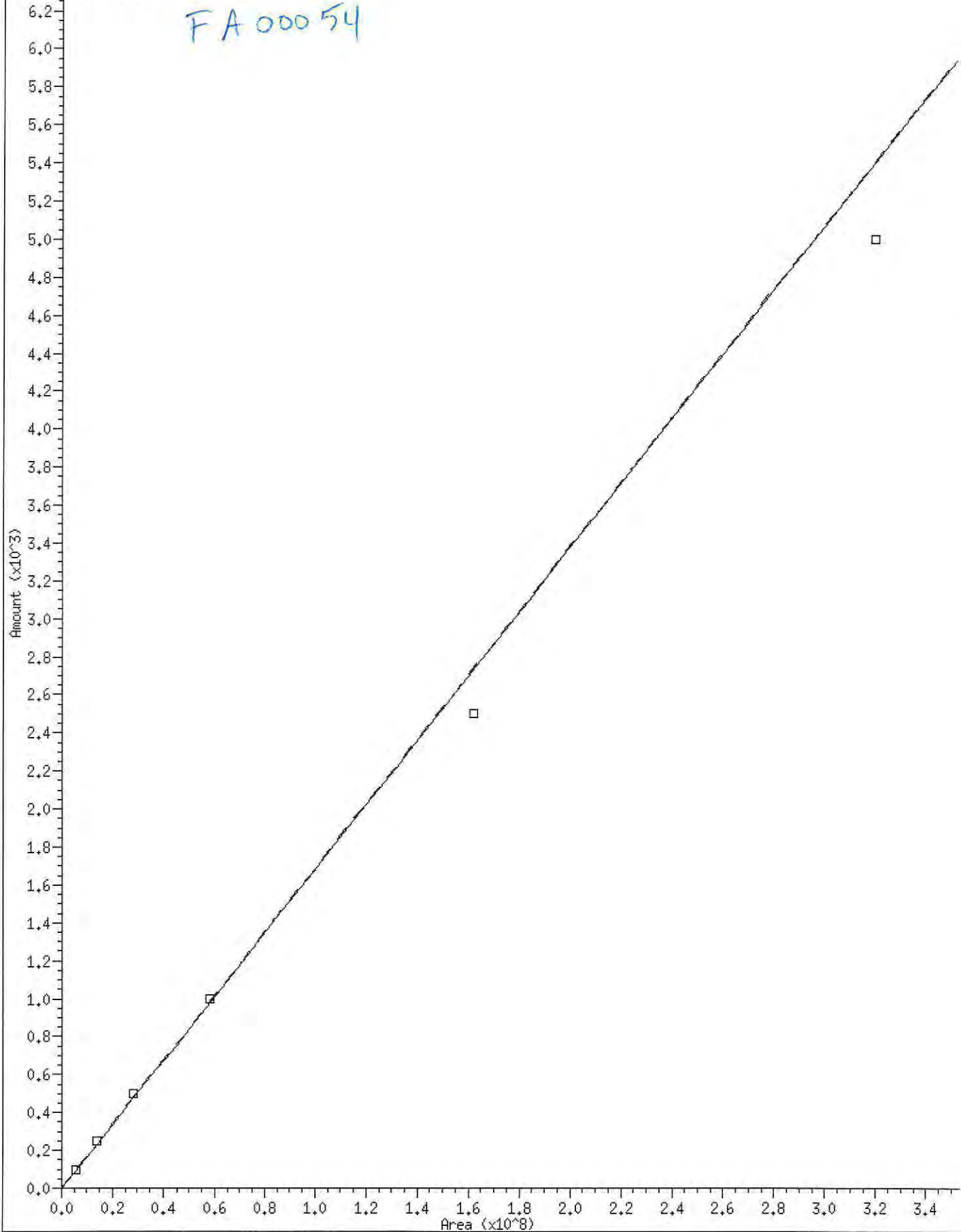
A/S 32 Bunker C

Curve Type: Averaged By-Response

Amt = Rsp/59438.63

%RSD: 6.872

FA 000 54





Analytical Resources, LLC
Analytical Chemists and Consultants

SECOND-SOURCE CALIBRATION VERIFICATION
NWTPH-Dx

Laboratory: Analytical Resources, LLC

SDG: 22G0019

Client: GeoEngineers

Project: RG Haley Site-Bellingham

Calibration: FA00013

Laboratory ID: SKA0028-SCV1

Sequence: SKA0028

Sequence Name: DIESEL SCV

Standard ID: J009677

ANALYTE	EXPECTED (mg/L)	FOUND (mg/L)	% DRIFT	QC LIMIT
Diesel Range Organics (C12-C24)	500.00	561	12.3	30.00

* Indicates values outside of QC limits

Data File: \\target\share\chem2\fid4a,1\20220106_b\42240632.D

Date: 06-JAN-2022 21:02

Client ID:

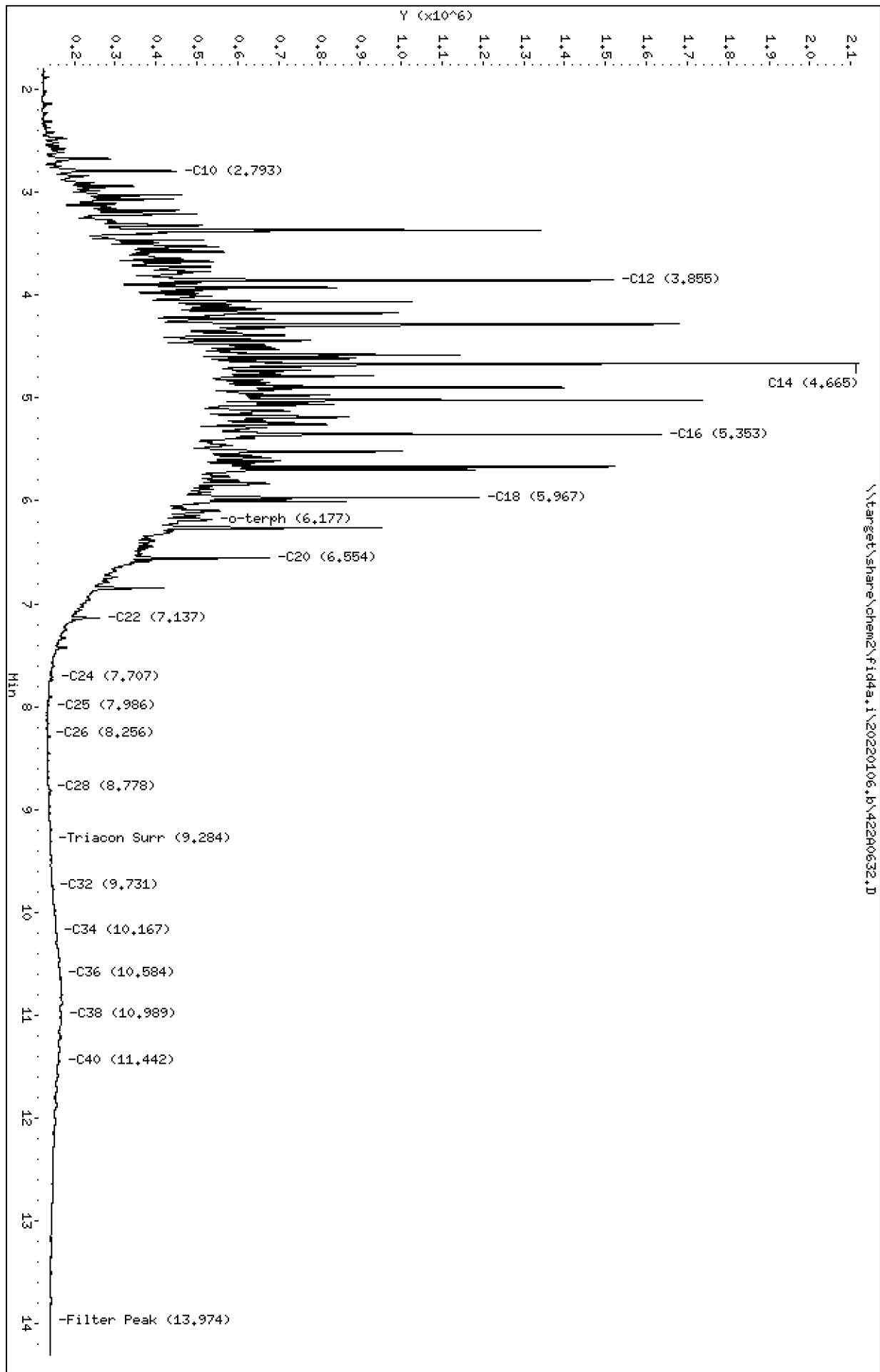
Sample Info: SKR0028-SCV1

Column phase: RTX-1

Instrument: fid4a,1

Operator: TMC

Column diameter: 0.25



Analytical Resources Inc.
TPH Quantitation Report

Data file: 20220106.b/422A0632.D
Method: 20220106.b\FID4TPH.m
Instrument: fid4a.i, TWC
Report Date: 01/07/2022
Macro: 09-SEP-2019
Calibration Dates: Gas:XX-XXX-XXXX Diesel:06-DEC-2022 M.Oil:06-DEC-2022

ARI ID: SKA0028-SCV1
Client ID:
Injection: 06-JAN-2022 21:02
Dilution Factor: 1
RT Std: 422A0603.D

FID:4A RESULTS

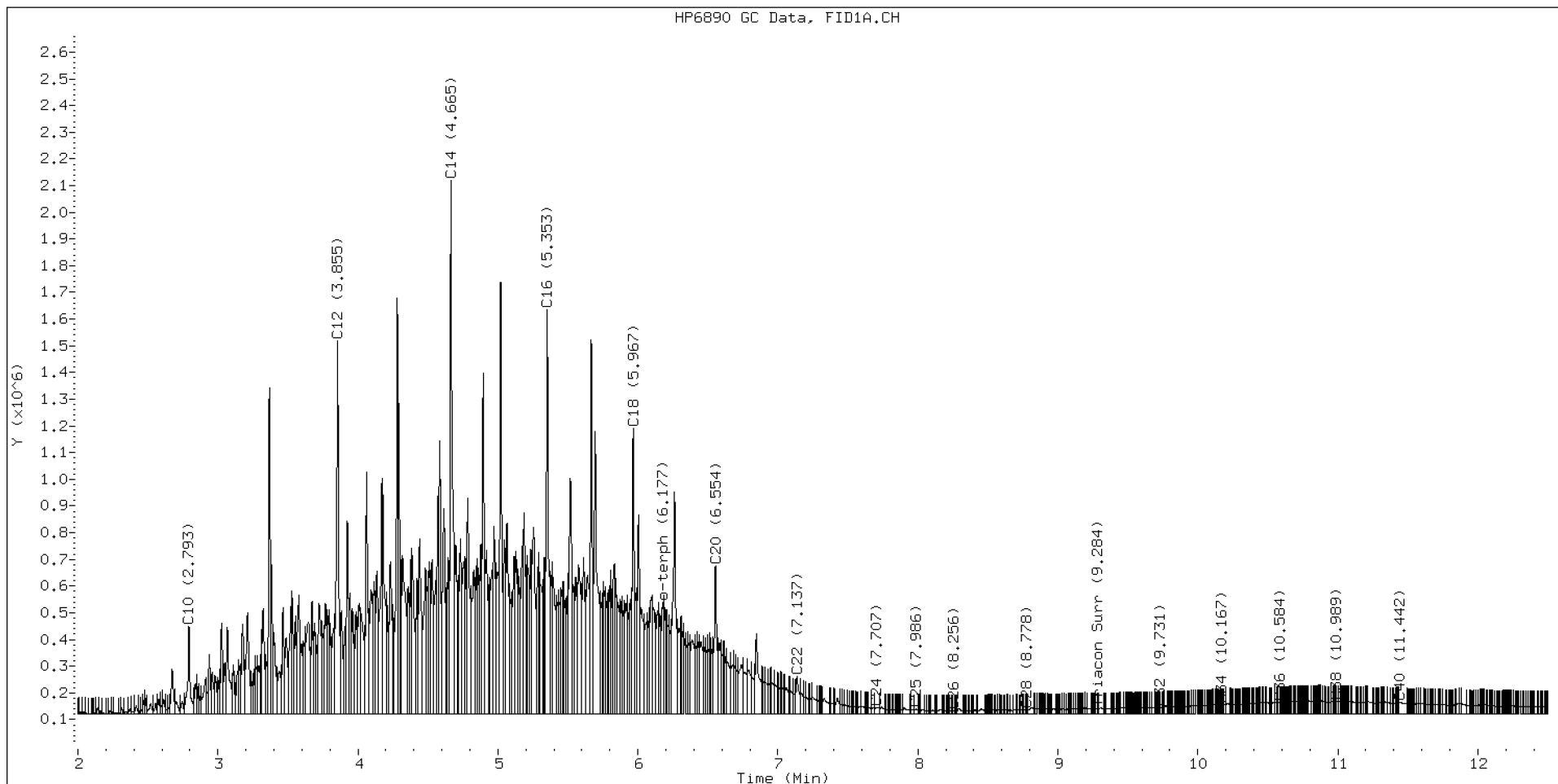
Compound	RT	Shift	Height	Area	Method	Range	Total Area	Conc (mg/L)
C8	1.554	-0.012	13447	19907	WATPHD	(C12-C24)	81818326	561.4
C10	2.793	-0.008	328700	402623	WATPHM	(C24-C38)	4903930	37.0
C12	3.855	-0.003	1398359	1541786	AK102	(C10-C25)	98237239	570.4
C14	4.665	-0.003	1998212	2275704	AK103	(C25-C36)	3617447	36.6
C16	5.353	-0.003	1514409	1842028	OR.DIES	(C10-C28)	98957633	569.5
C18	5.967	-0.005	1069816	1029152				
C20	6.554	-0.005	555197	666071				
C22	7.137	-0.004	141564	207118				
C24	7.707	-0.002	25196	52303				
C25	7.986	-0.000	18136	25237				
C26	8.256	-0.001	12963	11391				
C28	8.778	0.002	15805	6221				
C32	9.731	0.002	24227	8392				
C34	10.167	-0.000	33488	11671				
Filter Peak	13.974	0.001	19683	11641				
C36	10.584	0.003	44128	15372				
C38	10.989	0.001	46492	34691				
C40	11.442	-0.018	43094	144180				
o-terph	6.177	0.010	416300	426651				
Triacon Surr	9.284	-0.006	19261	10418	NAS DIES	(C10-C24)	98063156	571.0

Range Times: NW Diesel(3.859 - 7.709) AK102(2.80 - 7.99) Jet A(2.80 - 5.97)
NW M.Oil(7.71 - 10.99) AK103(7.99 - 10.58) OR Diesel(2.80 - 8.78)

Surrogate	Area	Amount
o-Terphenyl	426651	2.2
Triacontane	10418	0.1

M Indicates the peak was manually integrated

Analyte	RF	Curve Date
o-Terph Surr	192003.9	
Triacon Surr	174221.0	
Gas	15000.0	XX-XXX-XXXX
Diesel	145750.5	06-DEC-2022
Motor Oil	132579.1	06-DEC-2022
AK102	172235.6	06-DEC-2022
AK103	98909.5	06-DEC-2022
OR Diesel	173767.2	06-DEC-2022
NAS Diesel	171749.5	06-DEC-2022





SECOND-SOURCE CALIBRATION VERIFICATION
NWTPH-Dx

Laboratory: Analytical Resources, LLC

SDG: 22G0019

Client: GeoEngineers

Project: RG Haley Site-Bellingham

Calibration: FA00013

Laboratory ID: SKA0028-SCV2

Sequence: SKA0028

Sequence Name: MOIL SCV

Standard ID: J012167

ANALYTE	EXPECTED (mg/L)	FOUND (mg/L)	% DRIFT	QC LIMIT
Motor Oil Range Organics (C24-C38)	1000.0	905	-9.5	30.00

* Indicates values outside of QC limits

Data File: \\target\share\chem2\fid4a,1\20220106,b\42280633.D

Date: 06-JAN-2022 21:21

Client ID:

Sample Info: SKR0028-SCV2

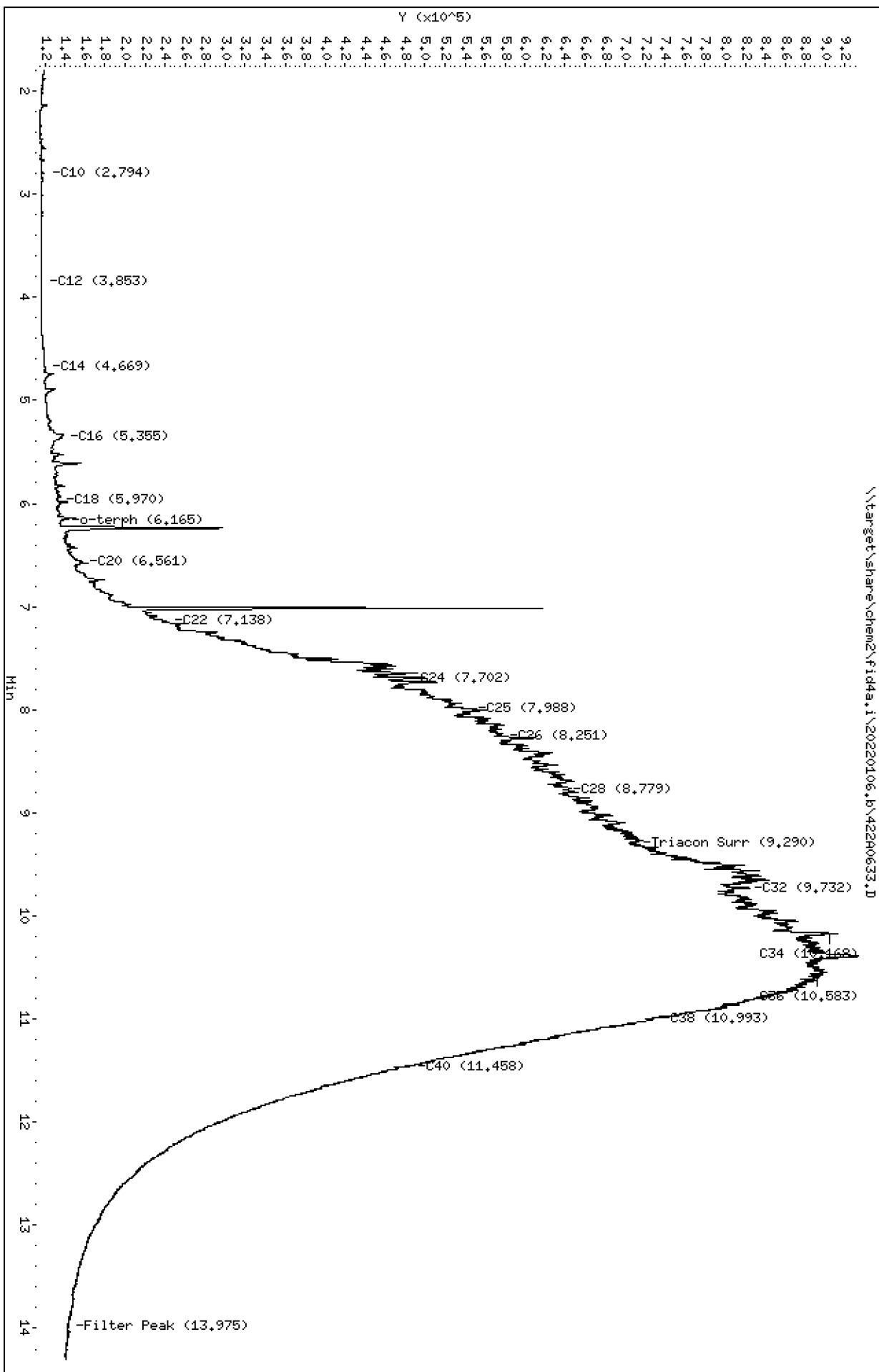
Column phase: RTX-1

Instrument: fid4a,1

Operator: TMC

Column diameter: 0.25

\\target\share\chem2\fid4a,1\20220106,b\42280633.D



Analytical Resources Inc.
TPH Quantitation Report

Data file: 20220106.b/422A0633.D
Method: 20220106.b\FID4TPH.m
Instrument: fid4a.i, TWC
Report Date: 02/08/2022
Macro: 09-SEP-2019
Calibration Dates: Gas:XX-XXX-XXXX Diesel:06-JAN-2022 M.Oil:06-JAN-2022

ARI ID: SKA0028-SCV2
Client ID:
Injection: 06-JAN-2022 21:21
Dilution Factor: 1
RT Std: 422A0603.D

FID:4A RESULTS

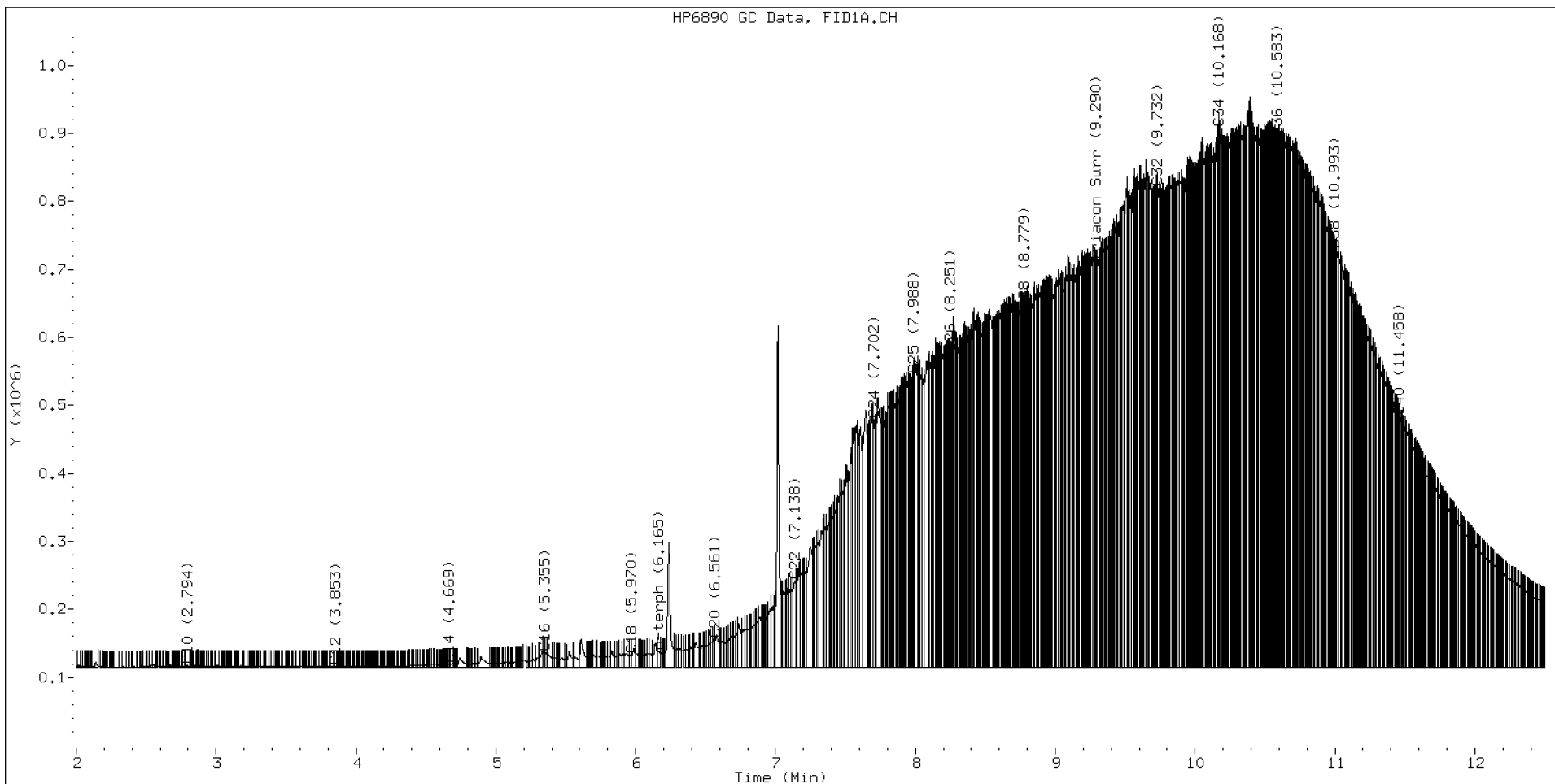
Compound	RT	Shift	Height	Area	Method	Range	Total Area	Conc (mg/L)
C8	1.571	0.005	9397	3234	WATPHD	(C12-C24)	14056895	96.4
C10	2.794	-0.008	3468	3249	WATPHM	(C24-C38)	119954259	904.8
C12	3.853	-0.006	1998	1502	AK102	(C10-C25)	18142709	105.3
C14	4.669	0.001	4718	2557	AK103	(C25-C36)	98929750	1000.2
C16	5.355	-0.002	21381	13437	OR.DIES	(C10-C28)	43590146	250.9
C18	5.970	-0.003	18024	5393				
C20	6.561	0.002	41385	47221				
C22	7.138	-0.003	126282	164868				
C24	7.702	-0.007	364294	249450				
C25	7.988	0.002	429789	170231				
C26	8.251	-0.006	461561	275289				
C28	8.779	0.003	524231	157049				
C32	9.732	0.002	706043	454955				
C34	10.168	0.001	792309	274623				
Filter Peak	13.975	0.002	27946	6956				
C36	10.583	0.002	779610	310190				
C38	10.993	0.004	614371	153291				
C40	11.458	-0.002	369218	346346				
o-terph	6.165	-0.002	22790	28222				
Triacon Surr	9.290	-0.000	594134	295766	NAS DIES	(C10-C24)	14144817	82.4

Range Times: NW Diesel(3.859 - 7.709) AK102(2.80 - 7.99) Jet A(2.80 - 5.97)
NW M.Oil(7.71 - 10.99) AK103(7.99 - 10.58) OR Diesel(2.80 - 8.78)

Surrogate	Area	Amount
o-Terphenyl	28222	0.1
Triacontane	295766	1.7

M Indicates the peak was manually integrated

Analyte	RF	Curve Date
o-Terph Surr	192003.9	
Triacon Surr	174221.0	
Gas	15000.0	XX-XXX-XXXX
Diesel	145750.5	06-JAN-2022
Motor Oil	132579.1	06-JAN-2022
AK102	172235.6	06-JAN-2022
AK103	98909.5	06-JAN-2022
OR Diesel	173767.2	06-JAN-2022
NAS Diesel	171749.5	06-JAN-2022





Analytical Resources, LLC
Analytical Chemists and Consultants

SECOND-SOURCE CALIBRATION VERIFICATION
NWTPH-Dx

Laboratory: Analytical Resources, LLC

SDG: 22G0019

Client: GeoEngineers

Project: RG Haley Site-Bellingham

Calibration: FA00054

Laboratory ID: SKA0208-SCV1

Sequence: SKA0208

Sequence Name: DIESEL SCV

Standard ID: J009677

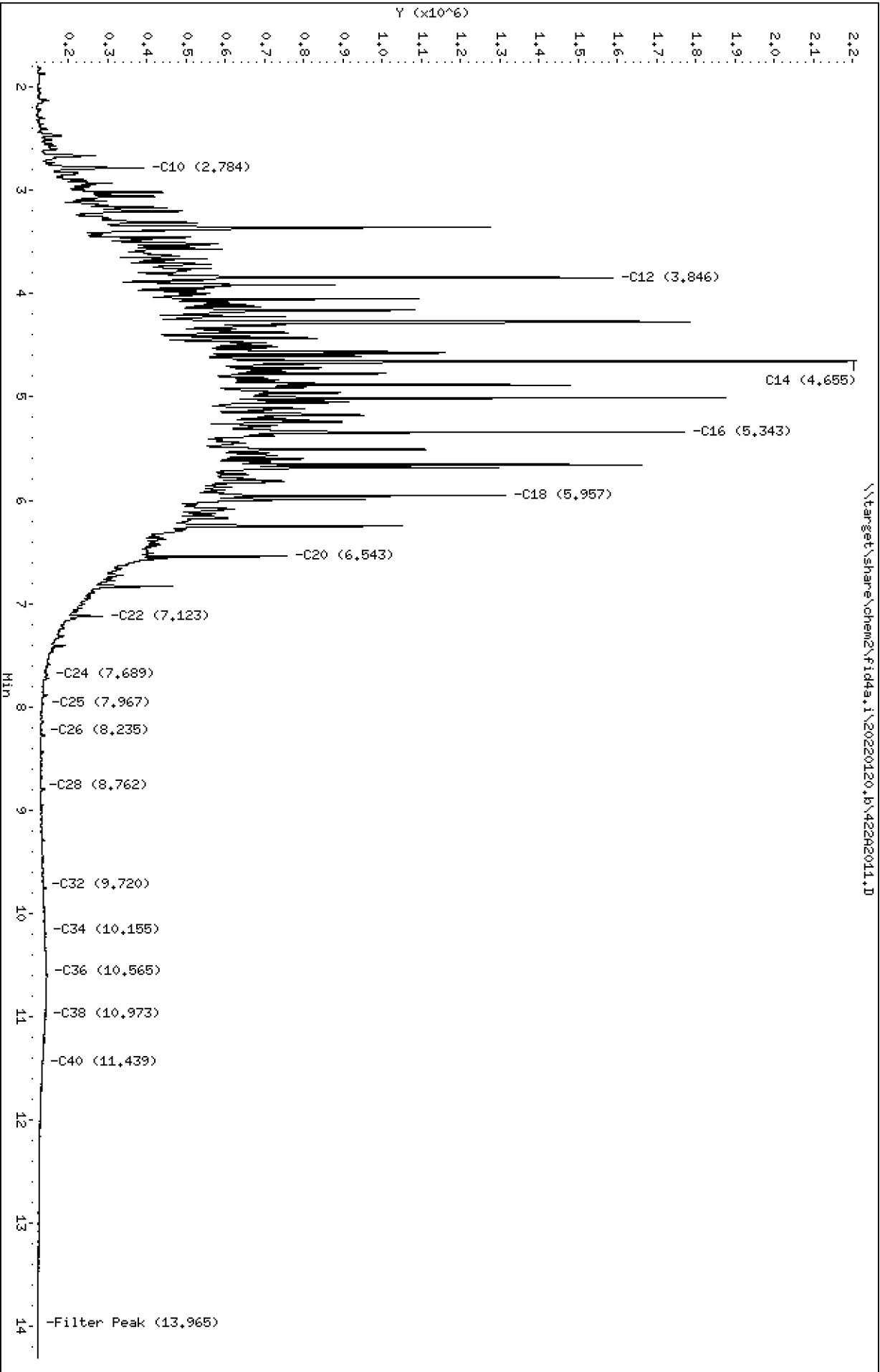
ANALYTE	EXPECTED (mg/L)	FOUND (mg/L)	% DRIFT	QC LIMIT
Diesel Range Organics (C12-C24)	500.00	579	15.7	30.00

* Indicates values outside of QC limits

Data File: \\target\share\chem2\fid4a,1\20220120_b\42282011.D
Date: 20-JAN-2022 13:50
Client ID:
Sample Info: SKR0208-SCW1

Column phase: RTX-1

Instrument: fid4a,1
Operator: WLB
Column diameter: 0.25



Analytical Resources Inc.
TPH Quantitation Report

Data file: 20220120.b/422A2011.D
Method: 20220120.b\FID4TPH.m
Instrument: fid4a.i, VLB
Report Date: 02/09/2022
Macro: 09-SEP-2019
Calibration Dates: Gas:XX-XXX-XXXX Diesel:20-JAN-2022 M.Oil:06-JAN-2022

ARI ID: SKA0208-SCV1
Client ID:
Injection: 20-JAN-2022 13:50
Dilution Factor: 1
RT Std: 422A2003.D

FID:4A RESULTS

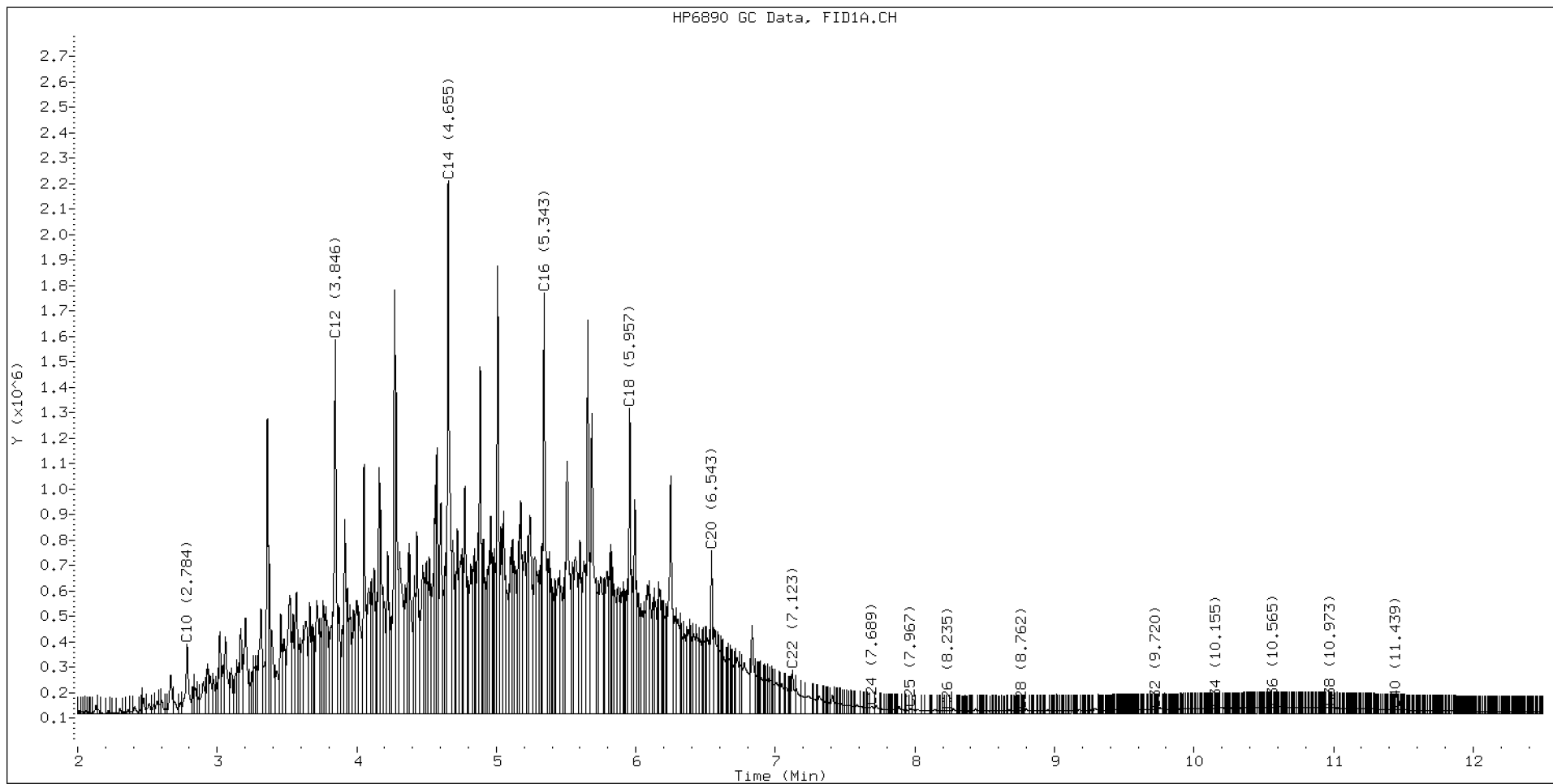
Compound	RT	Shift	Height	Area	Method	Range	Total Area	Conc (mg/L)
C8	1.544	0.001	18500	21377	WATPHD	(C12-C24)	91791980	578.6
C10	2.784	-0.003	274520	418072	WATPHM	(C24-C38)	3249567	24.5
C12	3.846	-0.002	1470041	1730655	AK102	(C10-C25)	109259392	577.9
C14	4.655	-0.002	2091691	2520186	AK103	(C25-C36)	2486512	25.1
C16	5.343	-0.002	1652289	1980684	OR.DIES	(C10-C28)	109898714	579.2
C18	5.957	-0.005	1198312	1177531				
C20	6.543	-0.006	639233	695730				
C22	7.123	-0.007	169547	241250				
C24	7.689	-0.007	28257	52637				
C25	7.967	-0.007	19233	25038				
C26	8.235	-0.009	12361	12259				
C28	8.762	-0.002	11738	2920				
C32	9.720	0.003	17524	10151				
C34	10.155	0.000	21103	7290				
Filter Peak	13.965	0.003	4638	1151				
C36	10.565	-0.003	24473	16973				
C38	10.973	-0.002	22520	6721				
C40	11.439	0.001	15551	3097				
o-terph	----							
Triacon Surr	----				NAS DIES	(C10-C24)	109074547	578.1

Range Times: NW Diesel(3.848 - 7.697) AK102(2.79 - 7.97) Jet A(2.79 - 5.96)
NW M.Oil(7.70 - 10.97) AK103(7.97 - 10.57) OR Diesel(2.79 - 8.76)

Surrogate	Area	Amount
o-Terphenyl	0	0.0
Triacontane	0	0.0

M Indicates the peak was manually integrated

Analyte	RF	Curve Date
o-Terph Surr	203634.1	
Triacon Surr	174221.0	
Gas	15000.0	XX-XXX-XXXX
Diesel	158638.4	20-JAN-2022
Motor Oil	132579.1	06-JAN-2022
AK102	189076.1	20-JAN-2022
AK103	98909.5	06-JAN-2022
OR Diesel	189743.0	20-JAN-2022
NAS Diesel	188673.2	20-JAN-2022



Data File: \\target\share\chem2\fid4a,1\20220303,b\42200305.D

Date: 03-MAR-2022 10:15

Client ID:

Sample Info: SEQ-ICV1

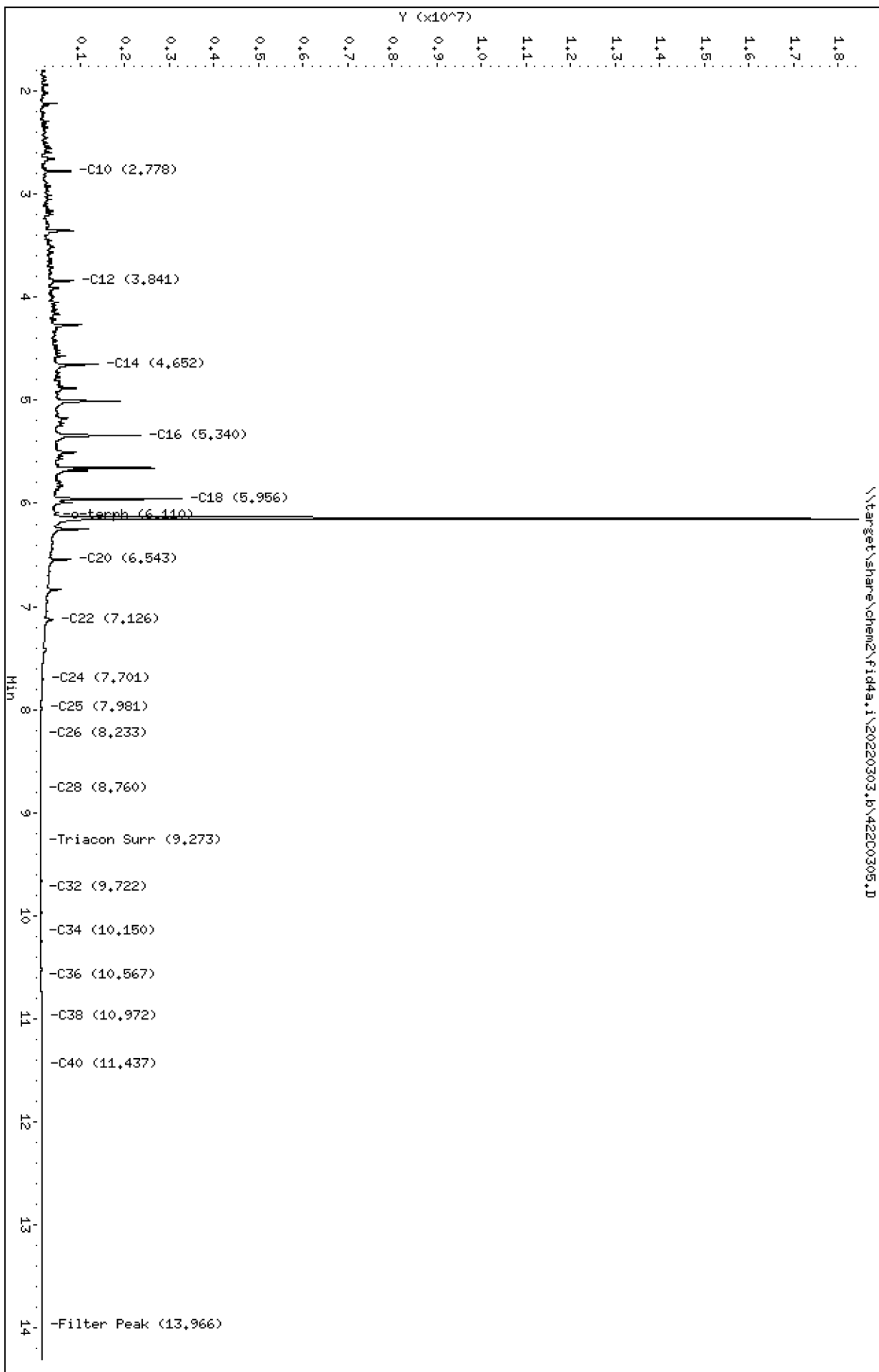
Column phase: RTX-1

Instrument: fid4a,1

Operator: CTO

Column diameter: 0.25

Page 1



Analytical Resources Inc.
TPH Quantitation Report

Data file: 20220303.b/422C0305.D
Method: 20220303.b\FID4TPH.m
Instrument: fid4a.i, CTO
Report Date: 03/04/2022
Macro: 09-SEP-2019
Calibration Dates: Gas:XX-XXX-XXXX Diesel:20-JAN-2022 M.Oil:06-JAN-2022

ARI ID: SEQ-ICV1
Client ID:
Injection: 03-MAR-2022 10:15
Dilution Factor: 1
RT Std: 422C0303.D

FID:4A RESULTS

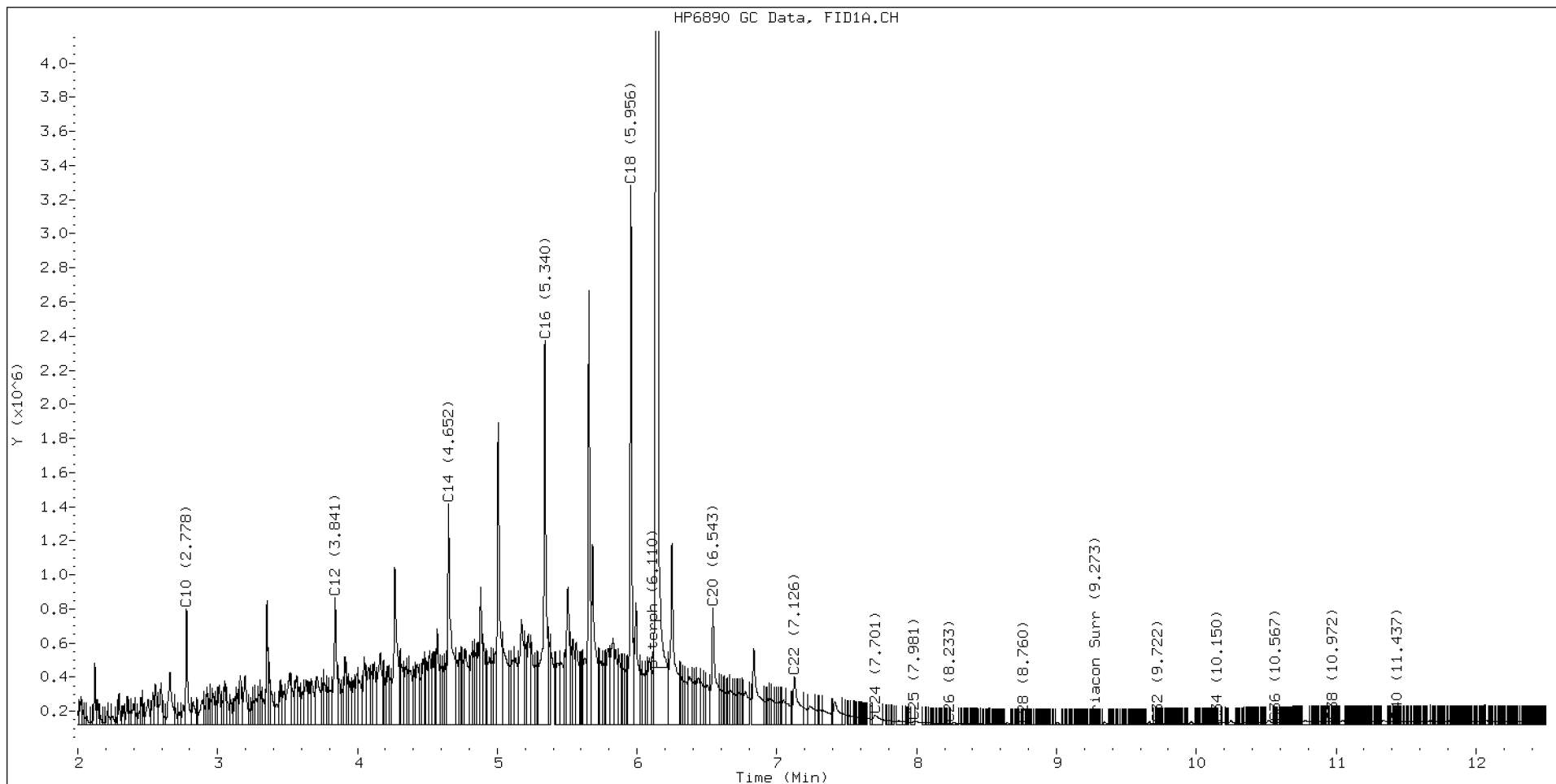
Compound	RT	Shift	Height	Area	Method	Range	Total Area	Conc (mg/L)
C8	1.535	-0.007	87141	52064	WATPHD	(C12-C24)	72333219	456.0
C10	2.778	-0.004	677545	651792	WATPHM	(C24-C38)	1263600	9.5
C12	3.841	-0.002	742723	946085	AK102	(C10-C25)	84868077	448.9
C14	4.652	-0.002	1293787	2338446	AK103	(C25-C36)	725090	7.3
C16	5.340	-0.004	2249303	3236617	OR.DIES	(C10-C28)	85081903	448.4
C18	5.956	-0.003	3158953	2992803				
C20	6.543	-0.004	680407	1281403	JET-A	(C10-C18)	66312529	382.9
C22	7.126	-0.001	278577	743481				
C24	7.701	0.006	55406	184553				
C25	7.981	0.008	19792	29263				
C26	8.233	-0.009	5082	2009				
C28	8.760	-0.001	580	158				
C32	9.722	0.006	2802	1724				
C34	10.150	-0.004	6891	1693				
Filter Peak	13.966	0.001	17525	7826				
C36	10.567	-0.000	12607	6885				
C38	10.972	0.001	16727	5820				
C40	11.437	-0.000	19523	4869				
o-terph	6.149	-0.002	17996892	16847427				
Triacon Surr	9.273	-0.003	985	413	NAS DIES	(C10-C24)	84708051	449.0

Range Times: NW Diesel(3.843 - 7.696) AK102(2.78 - 7.97) Jet A(2.78 - 5.96)
NW M.Oil(7.70 - 10.97) AK103(7.97 - 10.57) OR Diesel(2.78 - 8.76)

Surrogate	Area	Amount
o-Terphenyl	16847427	82.7 M
Triacontane	413	0.0

M Indicates the peak was manually integrated

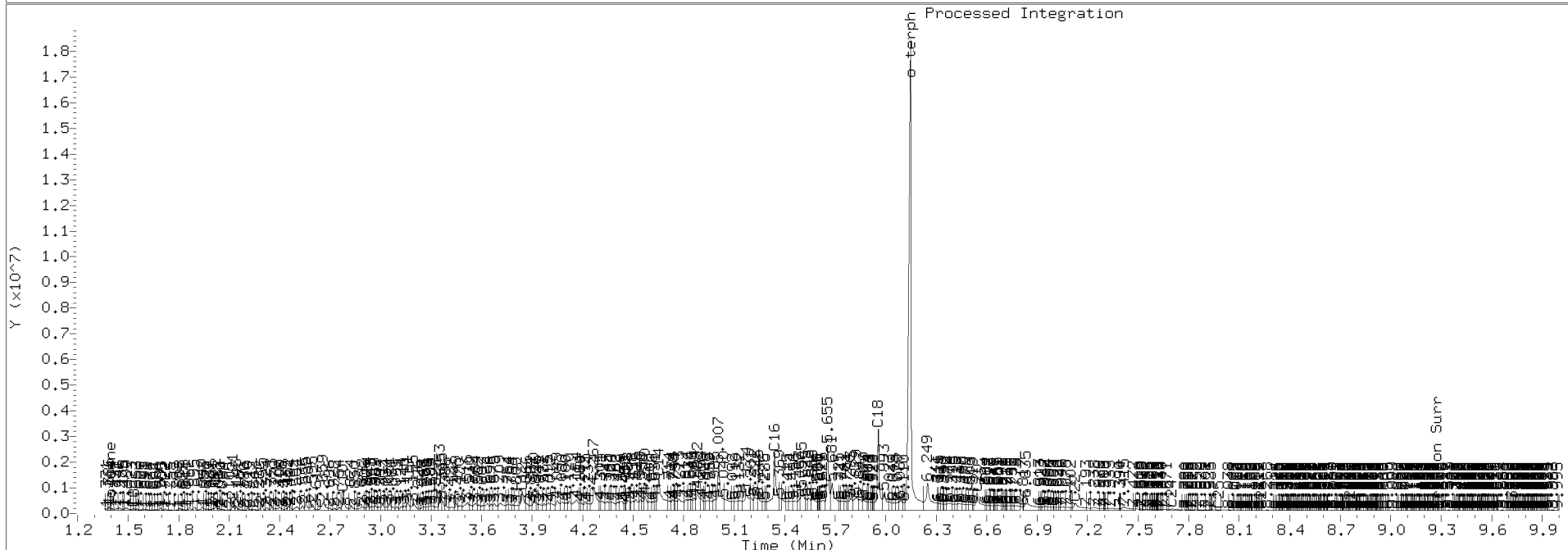
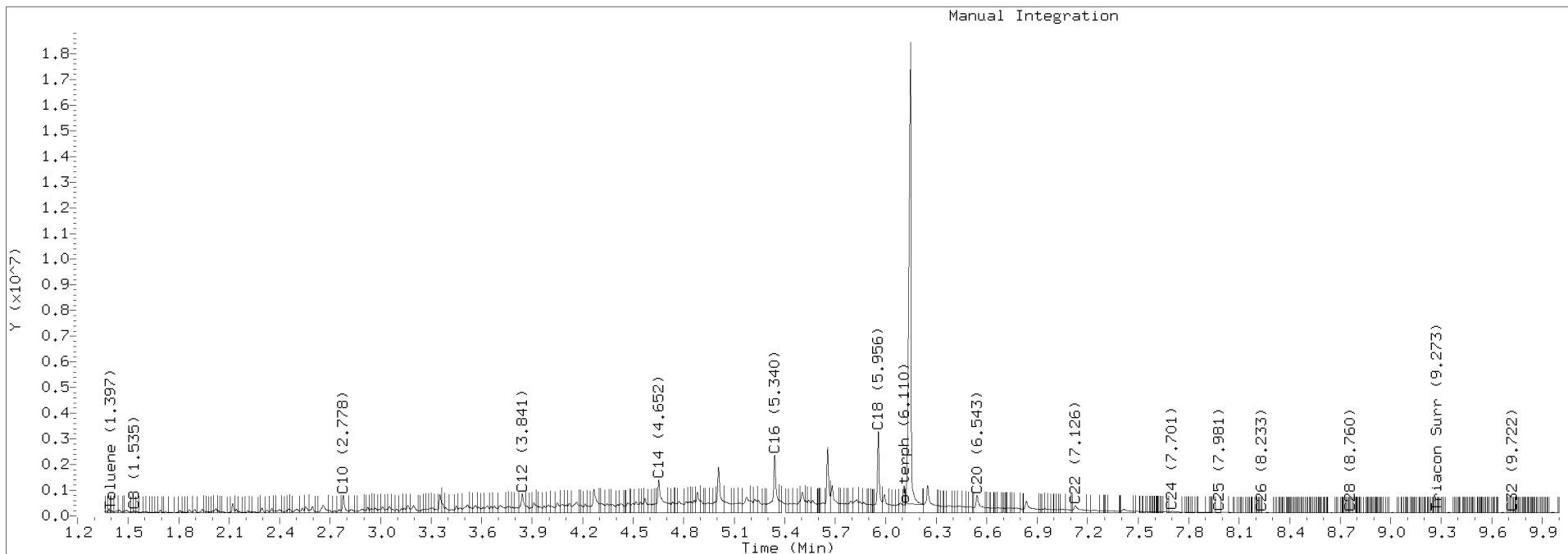
Analyte	RF	Curve Date
o-Terph Surr	203634.1	
Triacon Surr	174221.0	
Gas	15000.0	XX-XXX-XXXX
Diesel	158638.4	20-JAN-2022
Motor Oil	132579.1	06-JAN-2022
AK102	189076.1	20-JAN-2022
AK103	98909.5	06-JAN-2022
JetA	173192.9	03-MAR-2022
OR Diesel	189743.0	20-JAN-2022
NAS Diesel	188673.2	20-JAN-2022



TPH Manual Integrations Report

Datafile: FID4A, 20220303.b/422C0305.D Injection: 03-MAR-2022 10:15

Lab ID:SEQ-ICV1



Data File: \\target\share\chem2\fid4a,1\20220303,b\42200306.D

Date : 03-MAR-2022 10:35

Client ID:

Sample Info: SEQ-ICV2

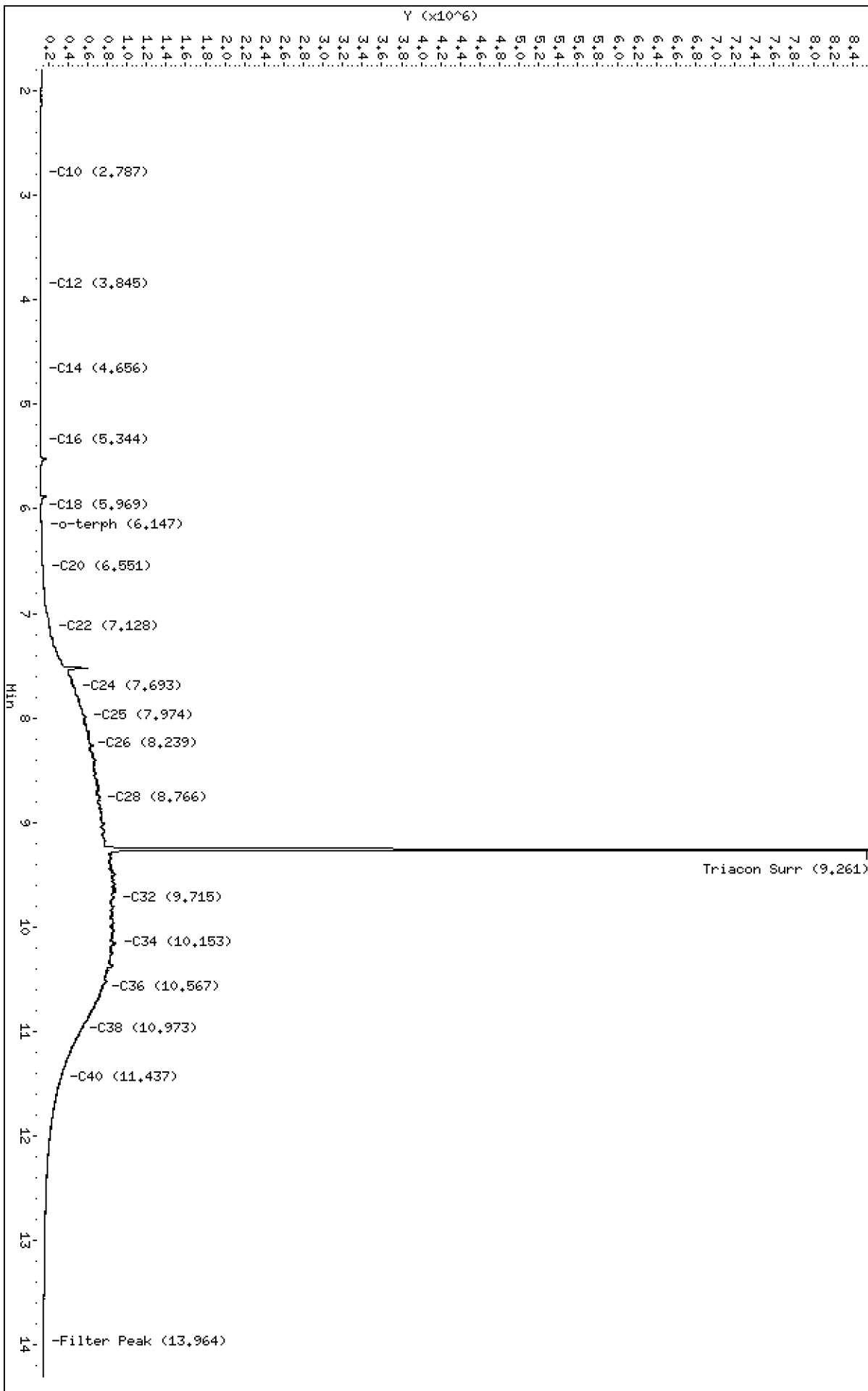
Column phase: RTX-1

Instrument: fid4a,1

Operator: CTO

Column diameter: 0.25

\\target\share\chem2\fid4a,1\20220303,b\42200306.D



Analytical Resources Inc.
TPH Quantitation Report

Data file: 20220303.b/422C0306.D
Method: 20220303.b\FID4TPH.m
Instrument: fid4a.i, CTO
Report Date: 03/04/2022
Macro: 09-SEP-2019
Calibration Dates: Gas:XX-XXX-XXXX Diesel:20-JAN-2022 M.Oil:06-JAN-2022

ARI ID: SEQ-ICV2
Client ID:
Injection: 03-MAR-2022 10:35
Dilution Factor: 1
RT Std: 422C0303.D

FID:4A RESULTS

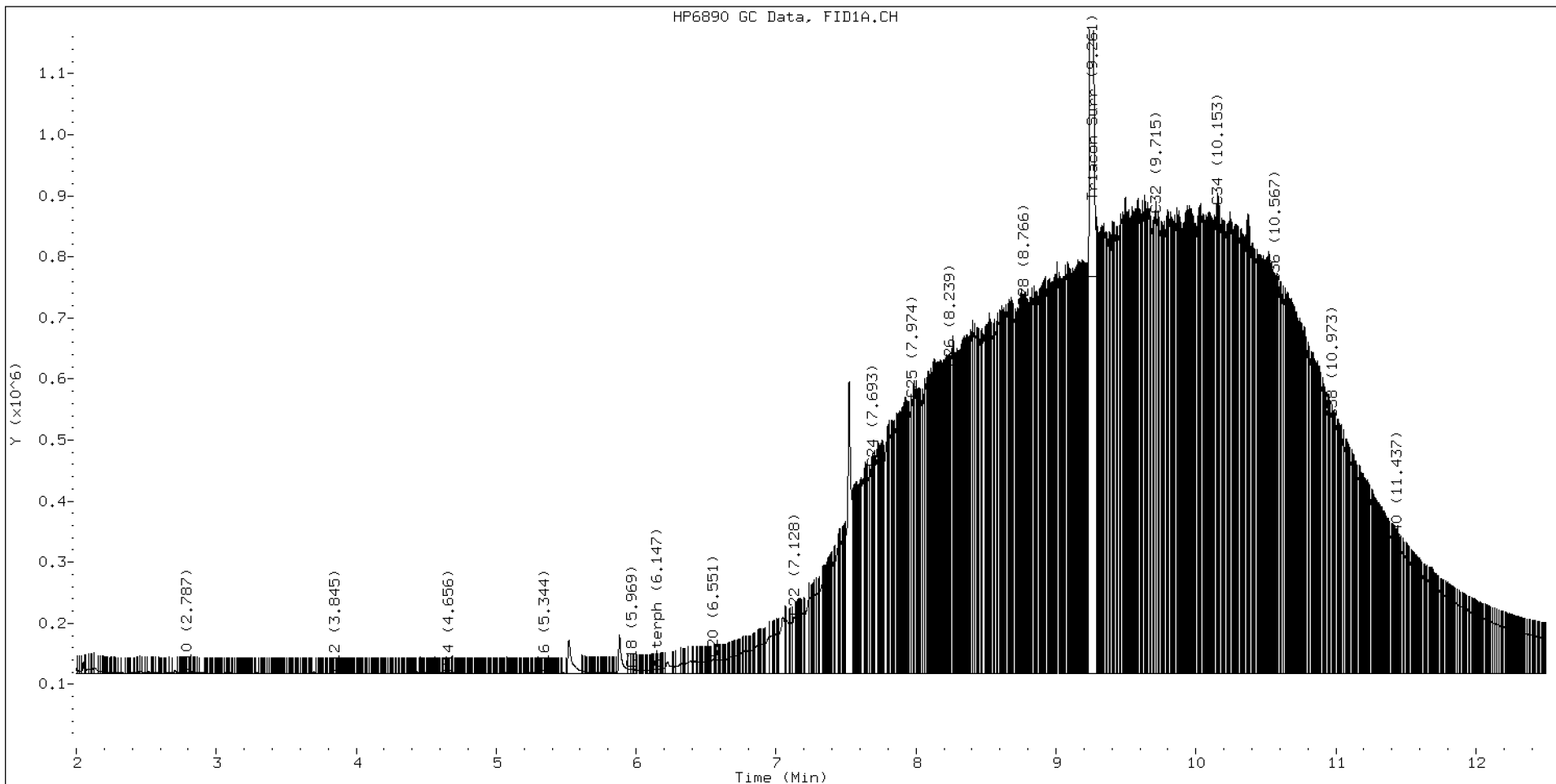
Compound	RT	Shift	Height	Area	Method	Range	Total Area	Conc (mg/L)
C8	1.537	-0.005	24659	25155	WATPHD	(C12-C24)	10404883	65.6
C10	2.787	0.006	1550	452	WATPHM	(C24-C38)	118785388	896.0
C12	3.845	0.002	728	268	AK102	(C10-C25)	14588390	77.2
C14	4.656	0.002	1229	537	AK103	(C25-C36)	102673589	1038.1
C16	5.344	-0.000	1150	217	OR.DIES	(C10-C28)	42625090	224.6
C18	5.969	0.010	6685	6384				
C20	6.551	0.005	24027	34503	JET-A	(C10-C18)	432962	2.5
C22	7.128	0.001	93285	110689				
C24	7.693	-0.003	336304	117158				
C25	7.974	0.001	449598	287535				
C26	8.239	-0.003	500551	224117				
C28	8.766	0.005	598718	238951				
C32	9.715	-0.002	750868	742245				
C34	10.153	-0.001	764191	152473				
Filter Peak	13.964	-0.001	30712	9190				
C36	10.567	-0.000	638771	285418				
C38	10.973	0.002	416703	103972				
C40	11.437	-0.000	211736	94183				
o-terph	6.147	-0.003	7739	3790				
Triacon Surr	9.261	-0.014	7806466	7743839	NAS DIES	(C10-C24)	10469110	55.5

Range Times: NW Diesel(3.843 - 7.696) AK102(2.78 - 7.97) Jet A(2.78 - 5.96)
NW M.Oil(7.70 - 10.97) AK103(7.97 - 10.57) OR Diesel(2.78 - 8.76)

Surrogate	Area	Amount
o-Terphenyl	3790	0.0
Triacontane	7743839	44.4 M

M Indicates the peak was manually integrated

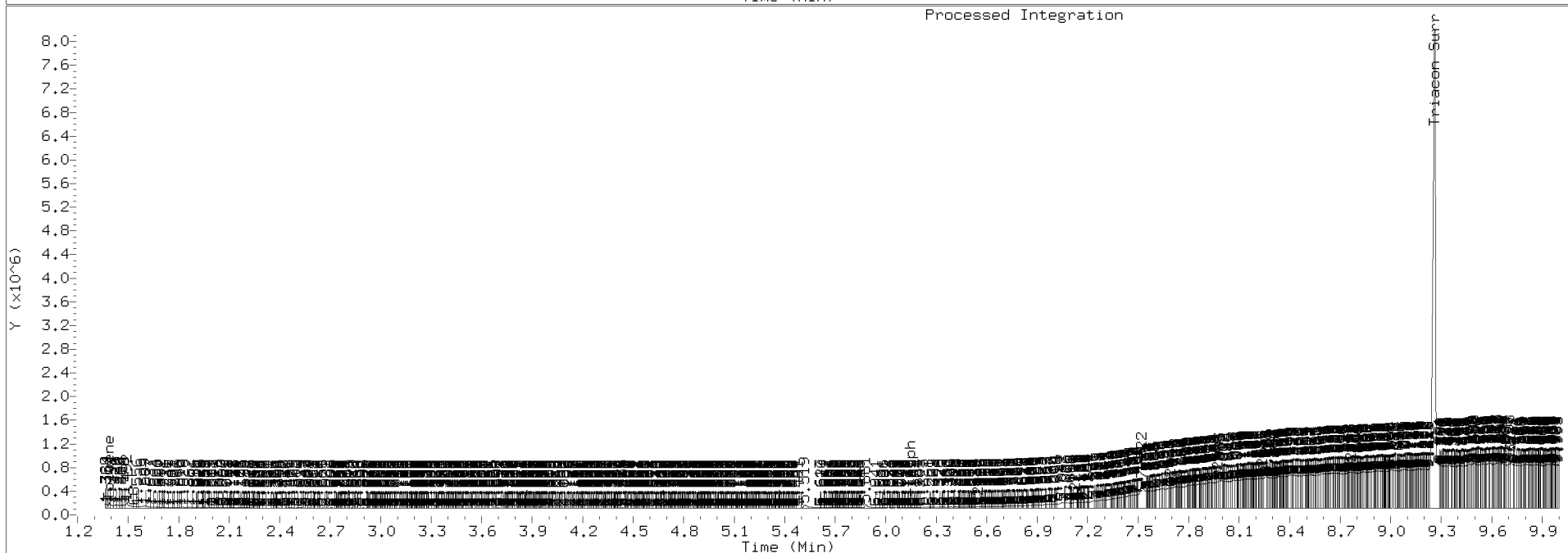
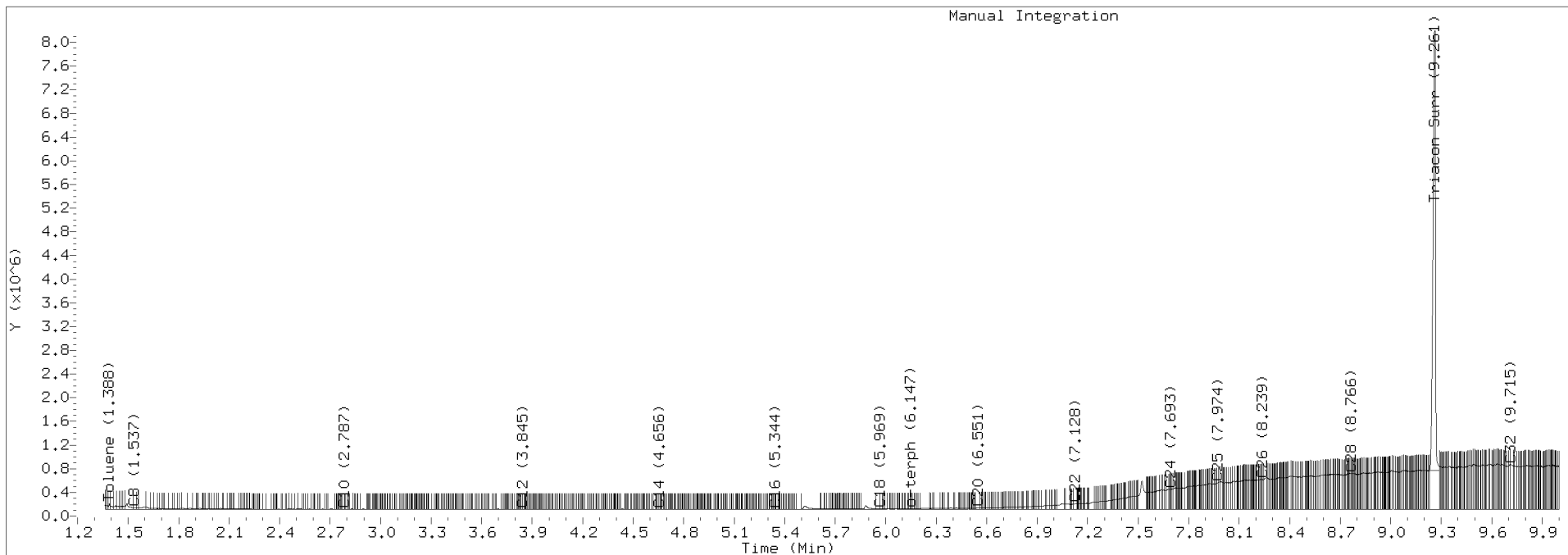
Analyte	RF	Curve Date
o-Terph Surr	203634.1	
Triacon Surr	174221.0	
Gas	15000.0	XX-XXX-XXXX
Diesel	158638.4	20-JAN-2022
Motor Oil	132579.1	06-JAN-2022
AK102	189076.1	20-JAN-2022
AK103	98909.5	06-JAN-2022
JetA	173192.9	03-MAR-2022
OR Diesel	189743.0	20-JAN-2022
NAS Diesel	188673.2	20-JAN-2022



TPH Manual Integrations Report

Datafile: FID4A, 20220303.b/422C0306.D Injection: 03-MAR-2022 10:35

Lab ID:SEQ-ICV2





INITIAL CALIBRATION CHECK
NWTPH-Dx

Laboratory:	<u>Analytical Resources, LLC</u>	SDG:	<u>22G0019</u>
Client:	<u>GeoEngineers</u>	Project:	<u>RG Haley Site-Bellingham</u>
Instrument ID:	<u>FID4</u>	Calibration:	<u>FA00054</u>
Lab File ID:	<u>422C0341.D</u>	Calibration Date:	<u>01/31/2022</u>
Sequence:	<u>SKC0073</u>	Injection Date:	<u>03/03/22</u>
Lab Sample ID:	<u>SKC0073-ICV3</u>	Injection Time:	<u>22:07</u>
Sequence Name:	<u>JETA ICV</u>		

COMPOUND	TYPE	CONC. (mg/L)		RESPONSE FACTOR			% DRIFT/DIFF	
		STD	ICV	ICAL	ICV	MIN	ICV	LIMIT
Jet-A Range Organics (C10-C18)	A	500.00	500	173192.9000	173192.9000			+/-15
o-Terphenyl	A	90.000	96.1	203634.1000	217416.2000		6.8	+/-15

* Values outside of QC limits



INITIAL CALIBRATION CHECK NWTPH-Dx

Laboratory: Analytical Resources, LLC

SDG: 22G0019

Client: GeoEngineers

Project: RG Haley Site-Bellingham

Instrument ID: FID4

Calibration: FA00054

Lab File ID: 422D2111.D

Calibration Date: 01/31/2022

Sequence: SKE0009

Injection Date: 04/21/22

Lab Sample ID: SKE0009-ICV1

Injection Time: 19:29

Sequence Name: DIESEL ICV

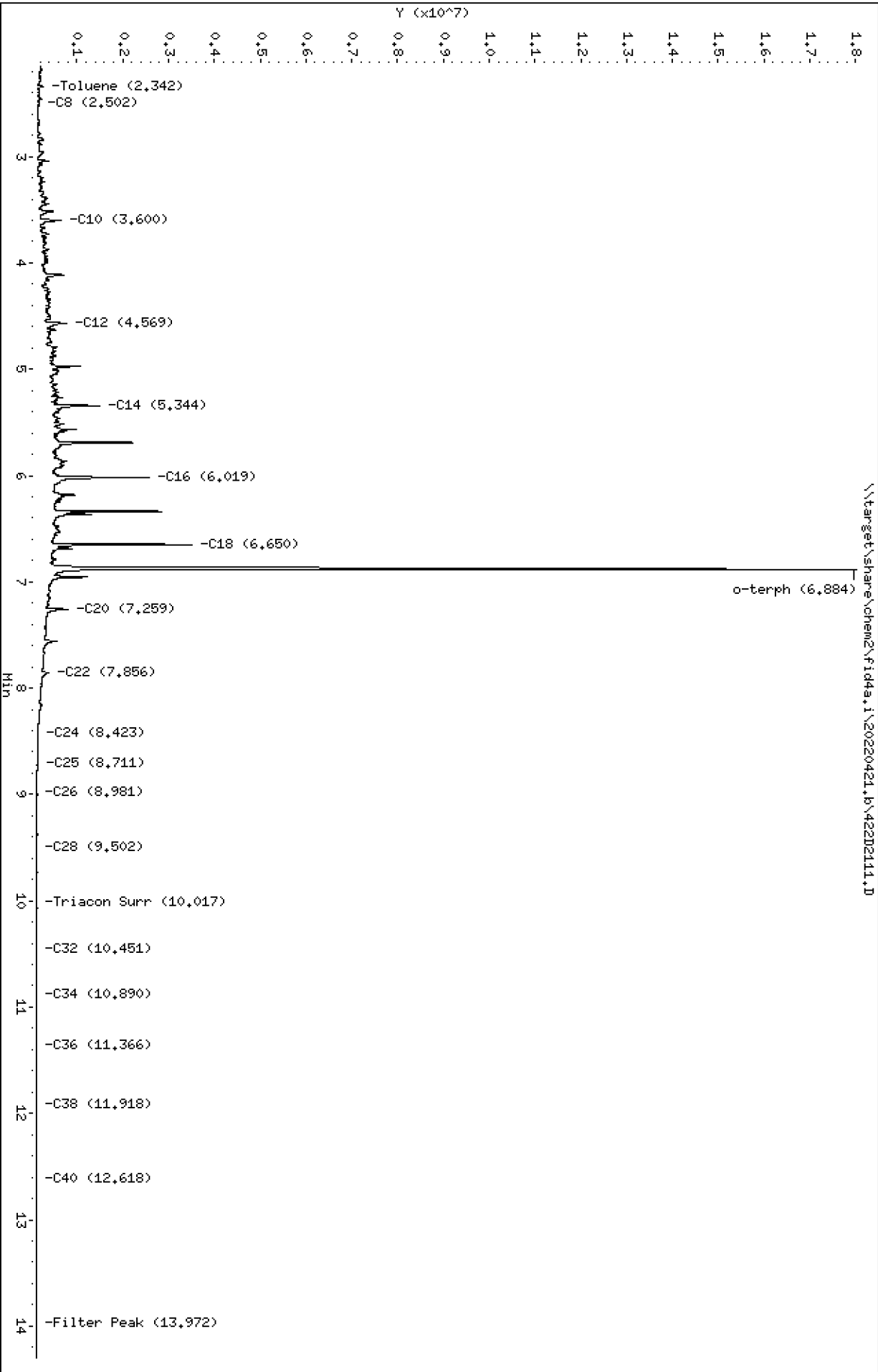
COMPOUND	TYPE	CONC. (mg/L)		RESPONSE FACTOR			% DRIFT/DIFF	
		STD	ICV	ICAL	ICV	MIN	ICV	LIMIT
Diesel Range Organics (C12-C24)	A	500.00	515	158638.4000	163446.0000		3.0	+/-15
o-Terphenyl	A	90.000	91.3	203634.1000	206518.0000		1.4	+/-15

* Values outside of QC limits

Data File: \\target\share\chem2\fid4a,1\20220421_b\422D2111.D
Date: 21-APR-2022 19:29
Client ID:
Sample Info: SEQ-ICV1

Column phase: RTX-1

Instrument: fid4a,1
Operator: CTO
Column diameter: 0.25



Analytical Resources Inc.
TPH Quantitation Report

Data file: 20220421.b/422D2111.D
Method: 20220421.b\FID4TPH.m
Instrument: fid4a.i, CTO
Report Date: 05/02/2022
Macro: 09-SEP-2019
Calibration Dates: Gas:XX-XXX-XXXX Diesel:20-JAN-2022 M.Oil:06-JAN-2022

ARI ID: SEQ-ICV1
Client ID:
Injection: 21-APR-2022 19:29
Dilution Factor: 1
RT Std: 422D2103.D

FID:4A RESULTS

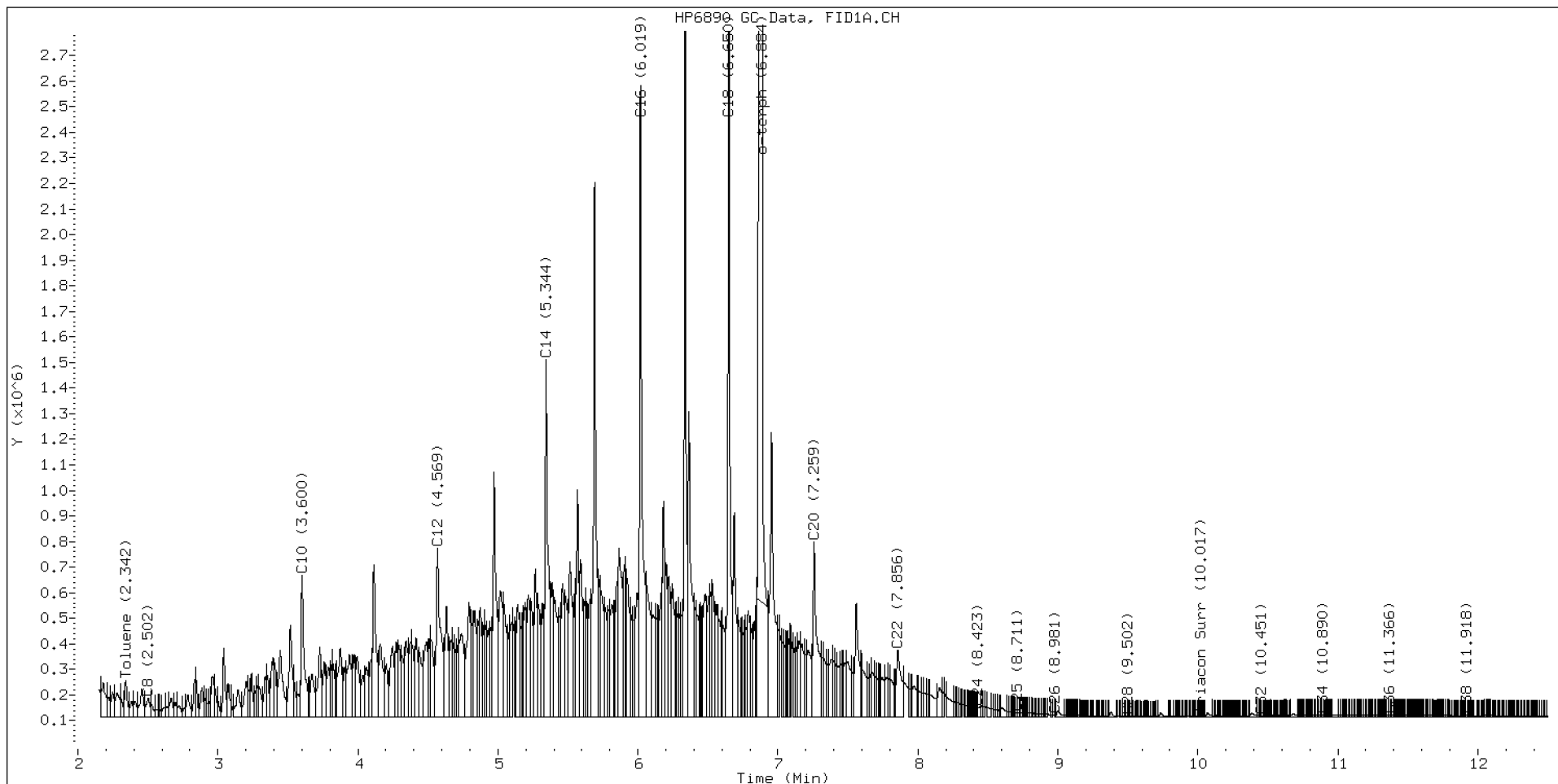
Compound	RT	Shift	Height	Area	Method	Range	Total Area	Conc (mg/L)
C8	2.502	-0.001	72127	128803	WATPHD	(C12-C24)	81722994	515.2
C10	3.600	-0.004	551705	862956	WATPHM	(C24-C38)	1183728	8.9
C12	4.569	-0.002	656261	1453616	AK102	(C10-C25)	95822378	506.8
C14	5.344	-0.003	1396702	2068354	AK103	(C25-C36)	784617	7.9
C16	6.019	-0.002	2467764	3087482	OR.DIES	(C10-C28)	96157539	506.8
C18	6.650	-0.003	3397208	3348527				
C20	7.259	-0.003	681970	1362462	JET-A	(C10-C18)	74853825	432.2
C22	7.856	-0.003	259576	629025				
C24	8.423	-0.012	34489	18820				
C25	8.711	-0.003	15626	11440				
C26	8.981	-0.003	6904	1373				
C28	9.502	-0.002	572	216				
C32	10.451	-0.003	4257	1825				
C34	10.890	-0.004	5153	3011				
Filter Peak	13.972	-0.007	1796	1831	BUNKERC	(C10-C38)	96759026	1627.9
C36	11.366	-0.002	5479	4698				
C38	11.918	-0.003	4507	3479				
C40	12.618	-0.005	2954	2816				
o-terph	6.884	-0.004	17459458	18586625				
Triacon Surr	10.017	-0.001	1627	527	NAS DIES	(C10-C24)	95575297	506.6

Range Times: NW Diesel(4.571 - 8.436) AK102(3.60 - 8.71) Jet A(3.60 - 6.65)
NW M.Oil(8.44 - 11.92) AK103(8.71 - 11.37) OR Diesel(3.60 - 9.50)

Surrogate	Area	Amount
o-Terphenyl	18586625	91.3 M
Triacontane	527	0.0

M Indicates the peak was manually integrated

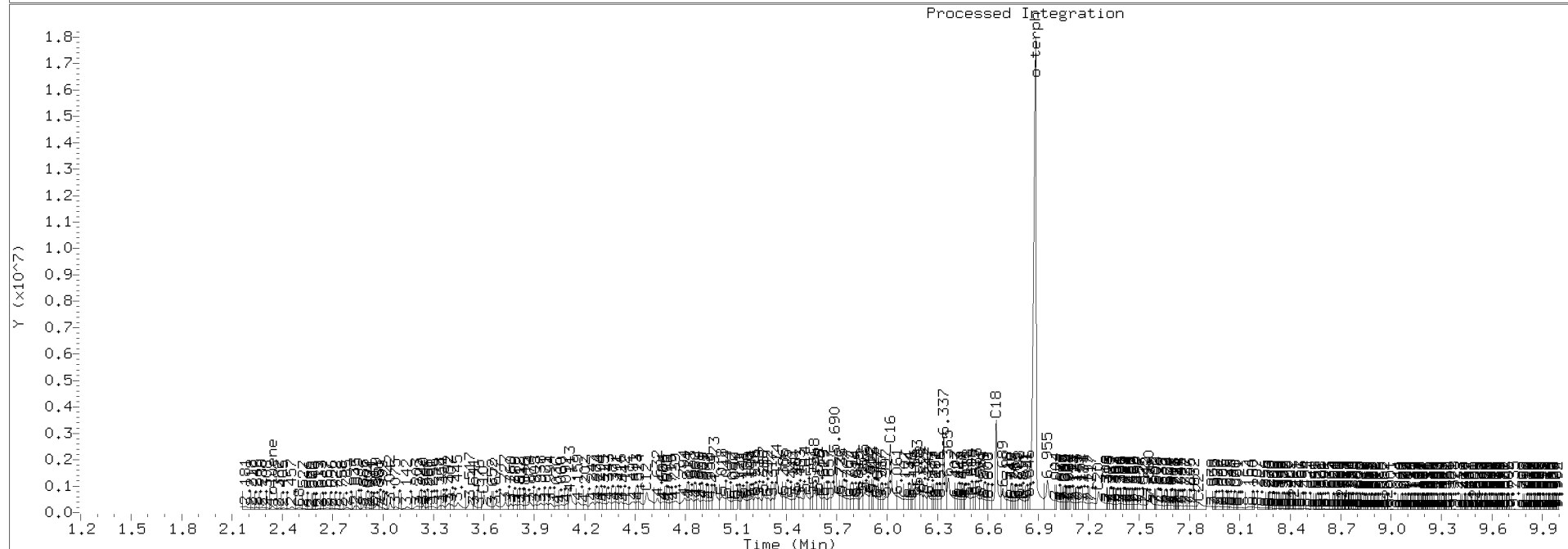
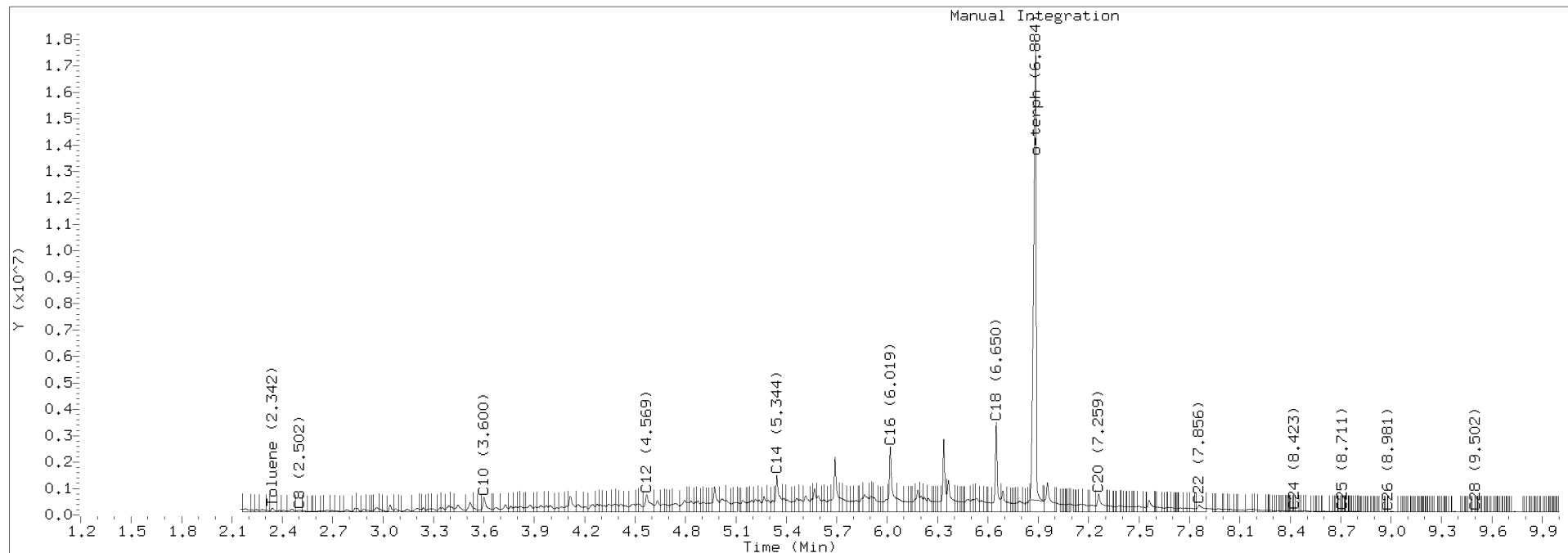
Analyte	RF	Curve Date
o-Terph Surr	203634.1	
Triacon Surr	174221.0	
Gas	15000.0	XX-XXX-XXXX
Diesel	158638.4	20-JAN-2022
Motor Oil	132579.1	06-JAN-2022
AK102	189076.1	20-JAN-2022
AK103	98909.5	06-JAN-2022
JetA	173192.9	03-MAR-2022
OR Diesel	189743.0	20-JAN-2022
NAS Diesel	188673.2	20-JAN-2022
Bunker C	59438.6	21-APR-2022



TPH Manual Integrations Report

Datafile: FID4A, 20220421.b/422D2111.D Injection: 21-APR-2022 19:29

Lab ID:SEQ-ICV1





INITIAL CALIBRATION CHECK
NWTPH-Dx

Laboratory:	<u>Analytical Resources, LLC</u>	SDG:	<u>22G0019</u>
Client:	<u>GeoEngineers</u>	Project:	<u>RG Haley Site-Bellingham</u>
Instrument ID:	<u>FID4</u>	Calibration:	<u>FA00054</u>
Lab File ID:	<u>422D2112.D</u>	Calibration Date:	<u>01/31/2022</u>
Sequence:	<u>SKE0009</u>	Injection Date:	<u>04/21/22</u>
Lab Sample ID:	<u>SKE0009-ICV2</u>	Injection Time:	<u>19:49</u>
Sequence Name:	<u>MOIL ICV</u>		

COMPOUND	TYPE	CONC. (mg/L)		RESPONSE FACTOR			% DRIFT/DIFF	
		STD	ICV	ICAL	ICV	MIN	ICV	LIMIT
Motor Oil Range Organics (C24-C38)	A	1000.0	890	132579.1000	117961.4000		-11.0	+/-15

* Values outside of QC limits

Data File: \\target\share\chem2\fid4a,1\20220421.b\422D2112.D

Date: 21-APR-2022 19:49

Client ID:

Sample Info: SEQ-ICV2

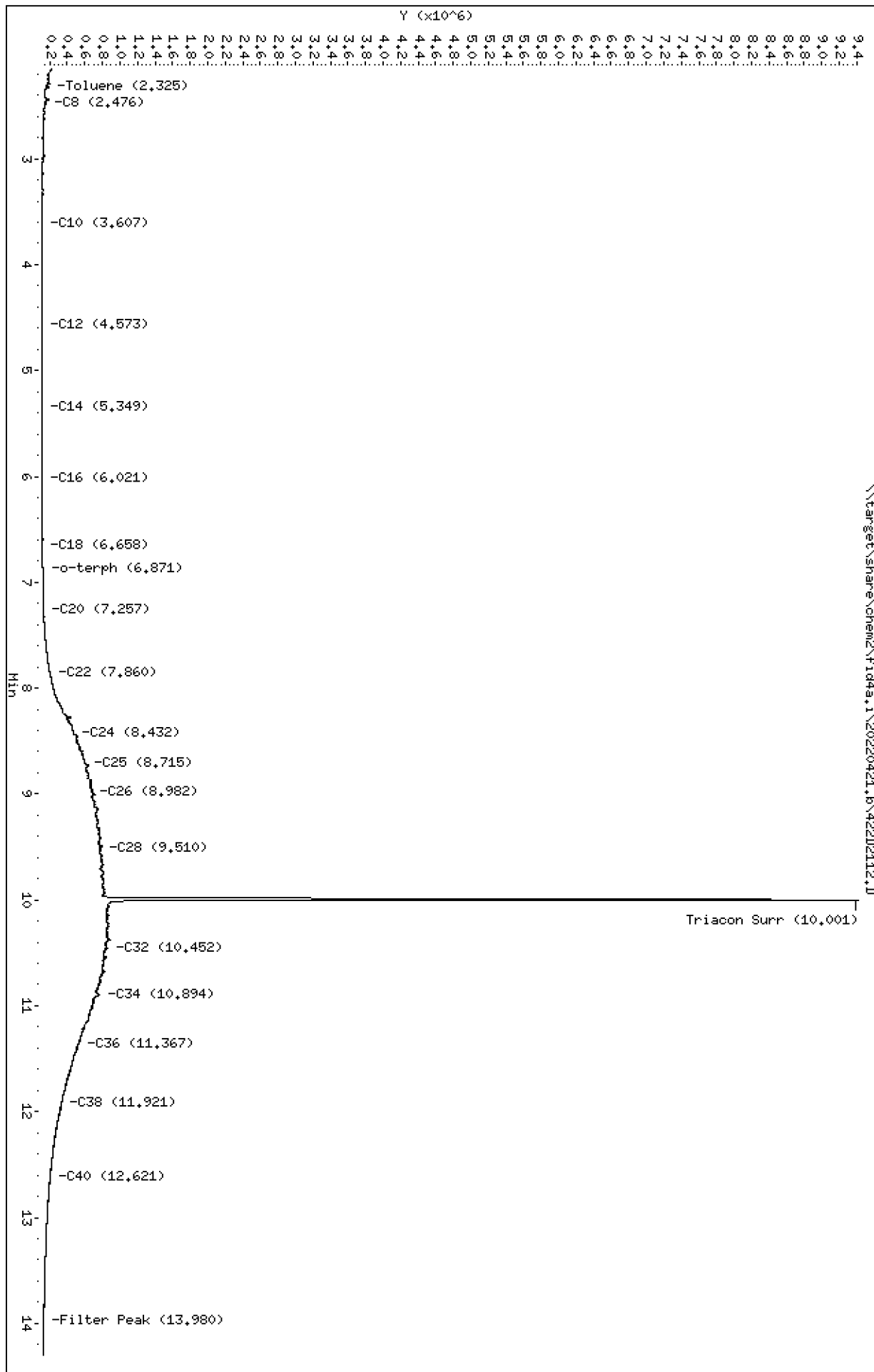
Column phase: RTX-1

Instrument: fid4a,1

Operator: CTO

Column diameter: 0.25

\\target\share\chem2\fid4a,1\20220421.b\422D2112.D



Analytical Resources Inc.
TPH Quantitation Report

Data file: 20220421.b/422D2112.D
Method: 20220421.b\FID4TPH.m
Instrument: fid4a.i, CTO
Report Date: 05/02/2022
Macro: 09-SEP-2019
Calibration Dates: Gas:XX-XXX-XXXX Diesel:20-JAN-2022 M.Oil:06-JAN-2022

ARI ID: SEQ-ICV2
Client ID:
Injection: 21-APR-2022 19:49
Dilution Factor: 1
RT Std: 422D2103.D

FID:4A RESULTS

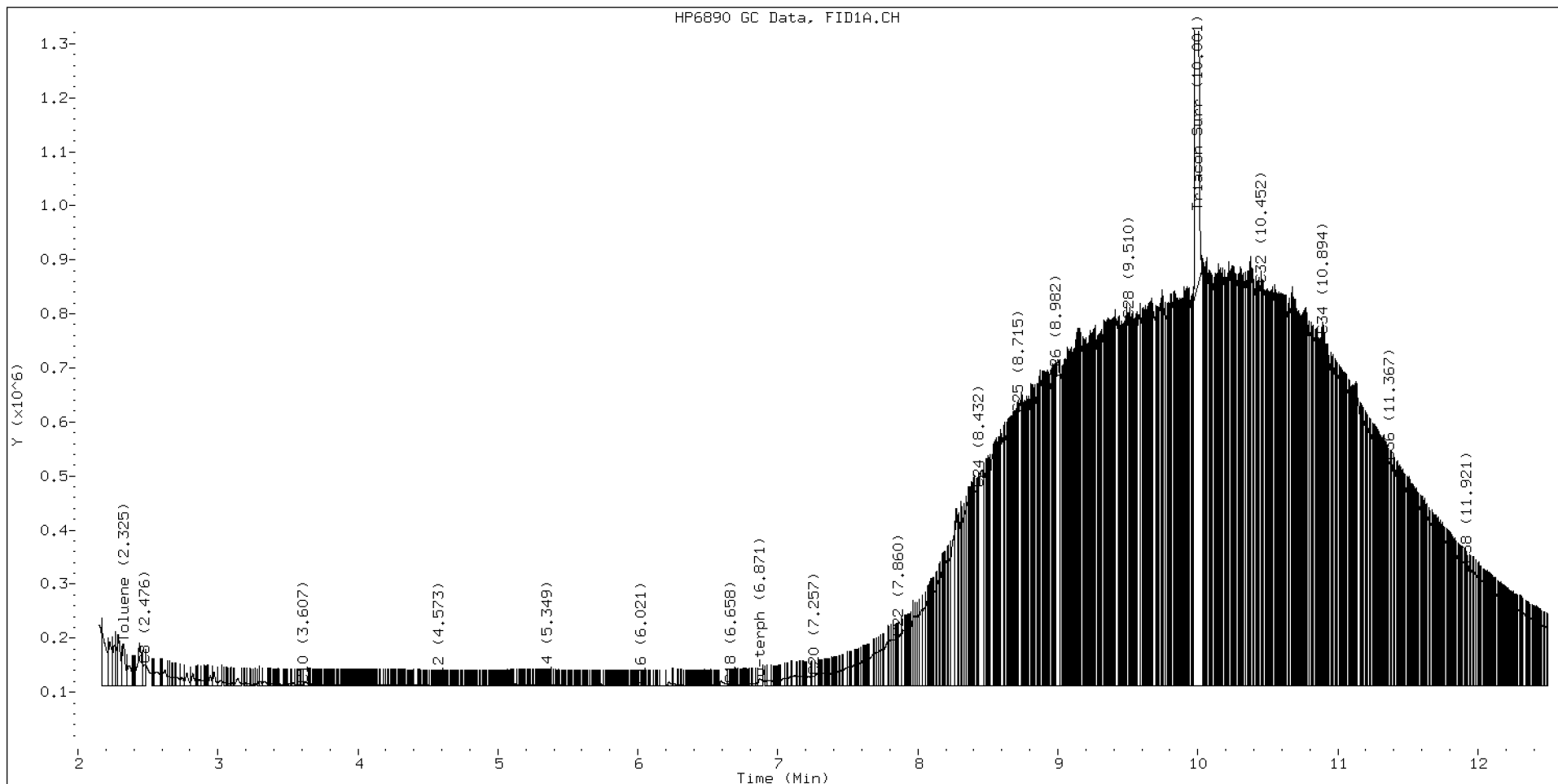
Compound	RT	Shift	Height	Area	Method	Range	Total Area	Conc (mg/L)
C8	2.476	-0.027	39432	44057	WATPHD	(C12-C24)	10568525	66.6
C10	3.607	0.003	3077	726	WATPHM	(C24-C38)	117961404	889.7
C12	4.573	0.003	1151	441	AK102	(C10-C25)	15272312	80.8
C14	5.349	0.002	1847	441	AK103	(C25-C36)	103805804	1049.5
C16	6.021	-0.001	687	157	OR.DIES	(C10-C28)	46932548	247.3
C18	6.658	0.005	2961	581				
C20	7.257	-0.005	18173	17777	JET-A	(C10-C18)	305392	1.8
C22	7.860	0.001	90040	22421				
C24	8.432	-0.004	364865	144416				
C25	8.715	0.001	504204	125247				
C26	8.982	-0.002	568443	141963				
C28	9.510	0.006	676489	234965				
C32	10.452	-0.002	743623	402958				
C34	10.894	0.000	649275	193720				
Filter Peak	13.980	0.002	21258	16703	BUNKERC	(C10-C38)	128665438	2164.7
C36	11.367	-0.001	415803	288689				
C38	11.921	-0.001	223685	186769				
C40	12.621	-0.002	93196	64551				
o-terph	6.871	-0.017	13148	24260				
Triacon Surr	10.001	-0.017	8566137	8024602	NAS DIES	(C10-C24)	10704035	56.7

Range Times: NW Diesel(4.571 - 8.436) AK102(3.60 - 8.71) Jet A(3.60 - 6.65)
NW M.Oil(8.44 - 11.92) AK103(8.71 - 11.37) OR Diesel(3.60 - 9.50)

Surrogate	Area	Amount
o-Terphenyl	24260	0.1
Triacontane	8024602	46.1 M

M Indicates the peak was manually integrated

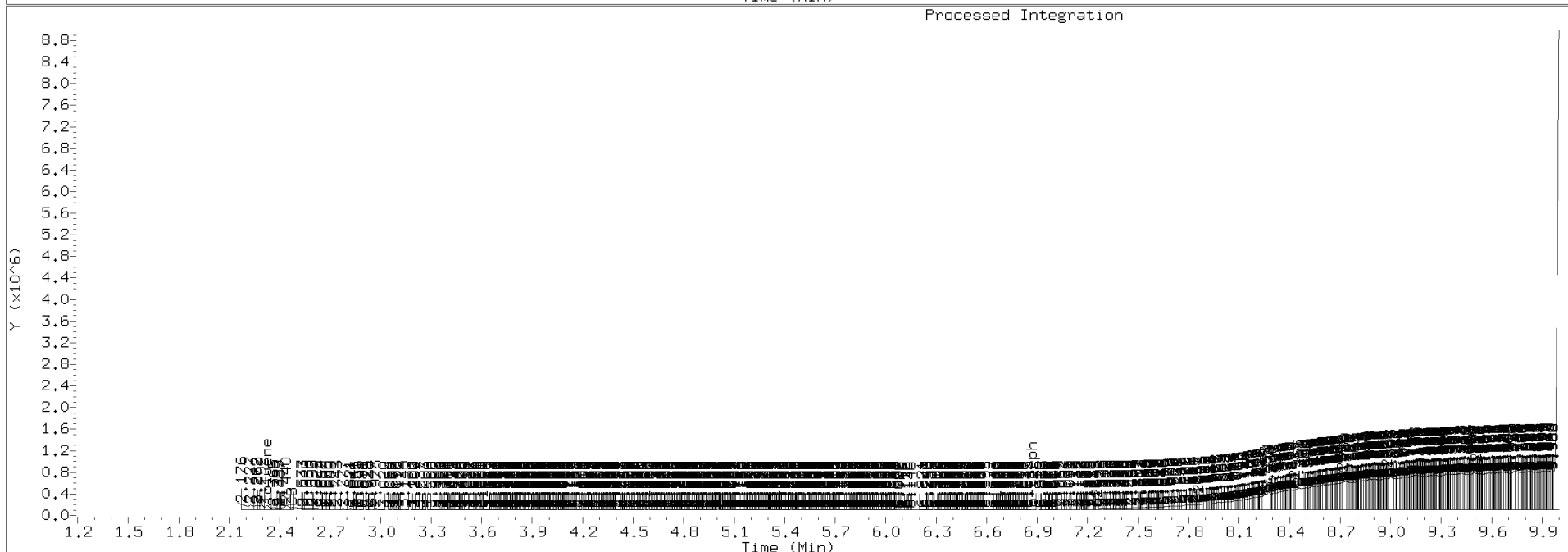
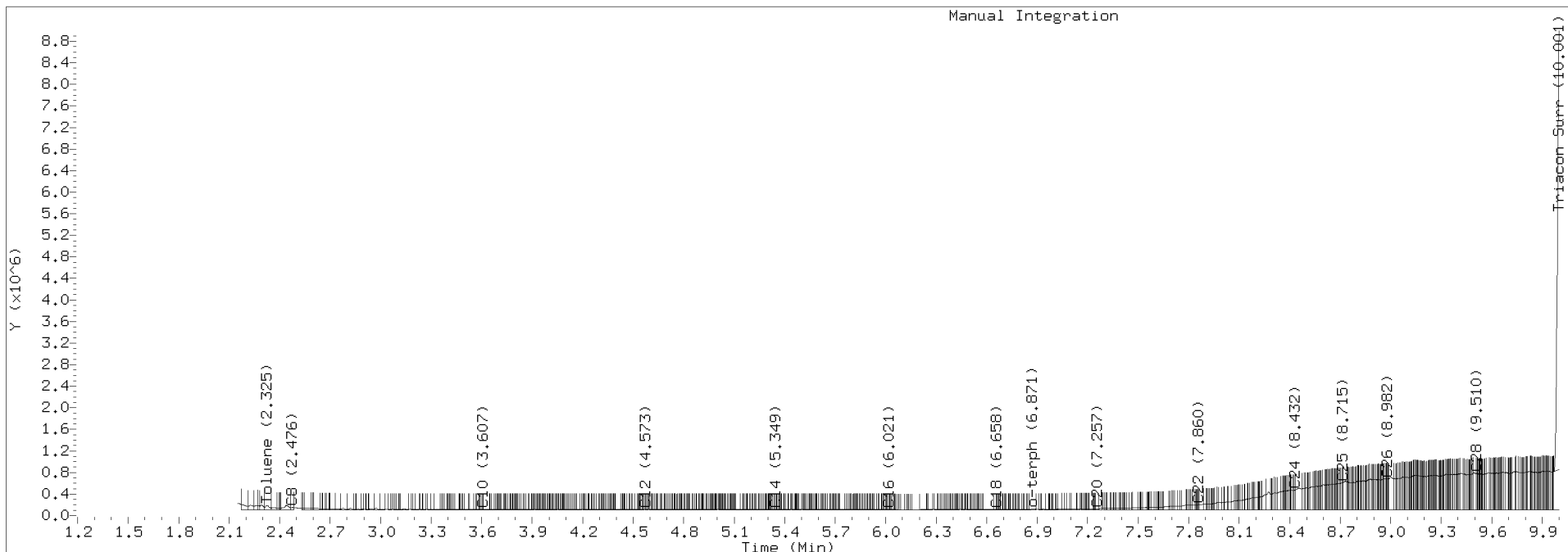
Analyte	RF	Curve Date
o-Terph Surr	203634.1	
Triacon Surr	174221.0	
Gas	15000.0	XX-XXX-XXXX
Diesel	158638.4	20-JAN-2022
Motor Oil	132579.1	06-JAN-2022
AK102	189076.1	20-JAN-2022
AK103	98909.5	06-JAN-2022
JetA	173192.9	03-MAR-2022
OR Diesel	189743.0	20-JAN-2022
NAS Diesel	188673.2	20-JAN-2022
Bunker C	59438.6	21-APR-2022



TPH Manual Integrations Report

Datafile: FID4A, 20220421.b/422D2112.D Injection: 21-APR-2022 19:49

Lab ID:SEQ-ICV2



Data File: \\target\share\chem2\fid4a,1\20220421.b\422D2113.D

Date : 21-APR-2022 20:09

Client ID:

Sample Info: SEQ-ICV3

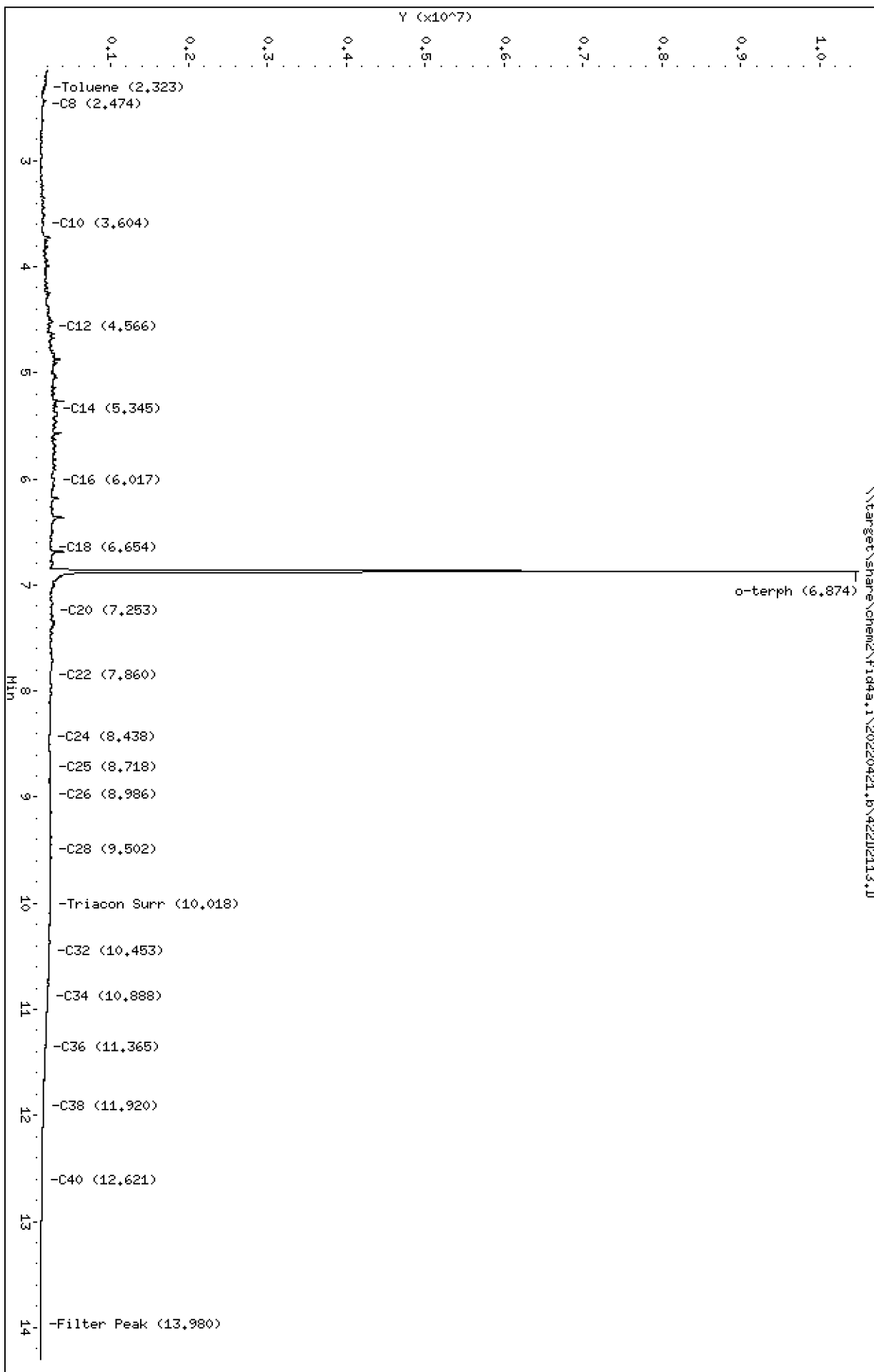
Column phase: RTX-1

Instrument: fid4a,1

Operator: CTO

Column diameter: 0.25

Page 1



Analytical Resources Inc.
TPH Quantitation Report

Data file: 20220421.b/422D2113.D
Method: 20220421.b\FID4TPH.m
Instrument: fid4a.i, CTO
Report Date: 05/02/2022
Macro: 09-SEP-2019
Calibration Dates: Gas:XX-XXX-XXXX Diesel:20-JAN-2022 M.Oil:06-JAN-2022

ARI ID: SEQ-ICV3
Client ID:
Injection: 21-APR-2022 20:09
Dilution Factor: 1
RT Std: 422D2103.D

FID:4A RESULTS

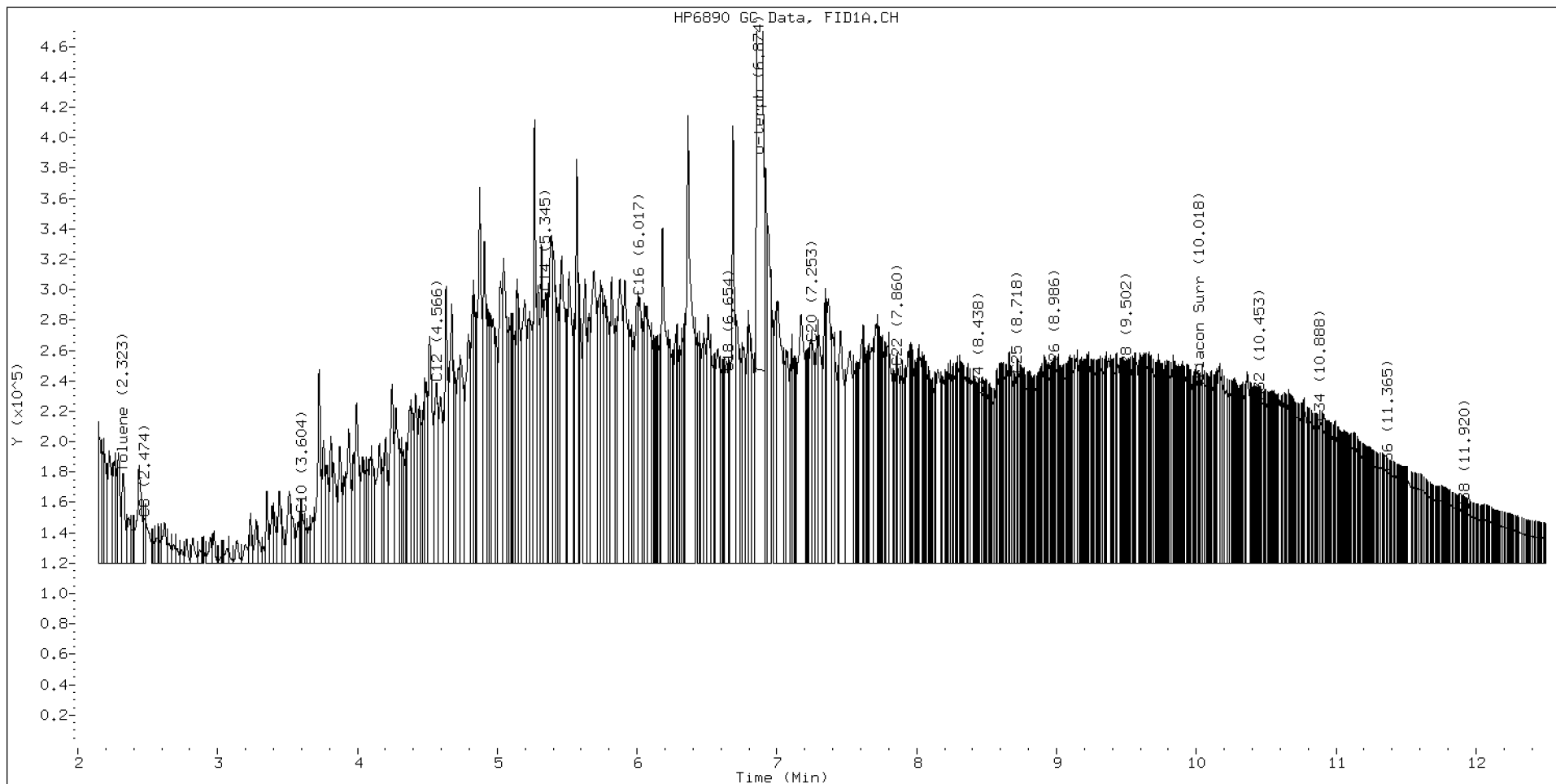
Compound	RT	Shift	Height	Area	Method	Range	Total Area	Conc (mg/L)
C8	2.474	-0.028	29481	26098	WATPHD	(C12-C24)	33203785	209.3
C10	3.604	0.000	32380	39469	WATPHM	(C24-C38)	20262183	152.8
C12	4.566	-0.005	118468	220823	AK102	(C10-C25)	38925778	205.9
C14	5.345	-0.002	178313	274208	AK103	(C25-C36)	17593854	177.9
C16	6.017	-0.005	175350	275575	OR.DIES	(C10-C28)	45469146	239.6
C18	6.654	0.001	125822	68623				
C20	7.253	-0.009	144478	208190	JET-A	(C10-C18)	24077820	139.0
C22	7.860	0.001	129196	38570				
C24	8.438	0.003	110309	27375				
C25	8.718	0.004	124461	138394				
C26	8.986	0.002	125601	25098				
C28	9.502	-0.002	123745	24701				
C32	10.453	-0.001	106608	26586				
C34	10.888	-0.006	92582	96158				
Filter Peak	13.980	0.002	1255	629	BUNKERC	(C10-C38)	57922264	974.5
C36	11.365	-0.002	60078	14944				
C38	11.920	-0.001	33810	16797				
C40	12.621	-0.002	13754	6122				
o-terph	6.874	-0.014	10248875	9038602				
Triacon Surr	10.018	0.000	114806	28637	NAS DIES	(C10-C24)	37660081	199.6

Range Times: NW Diesel(4.571 - 8.436) AK102(3.60 - 8.71) Jet A(3.60 - 6.65)
NW M.Oil(8.44 - 11.92) AK103(8.71 - 11.37) OR Diesel(3.60 - 9.50)

Surrogate	Area	Amount
o-Terphenyl	9038602	44.4 M
Triacontane	28637	0.2

M Indicates the peak was manually integrated

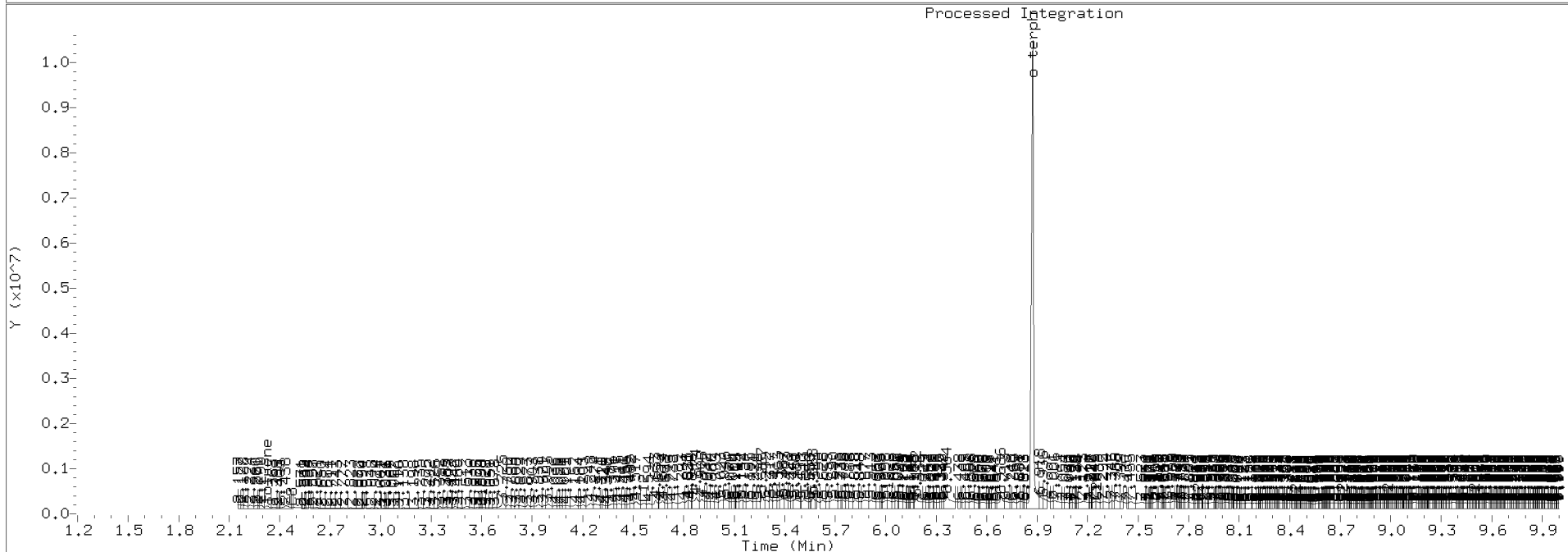
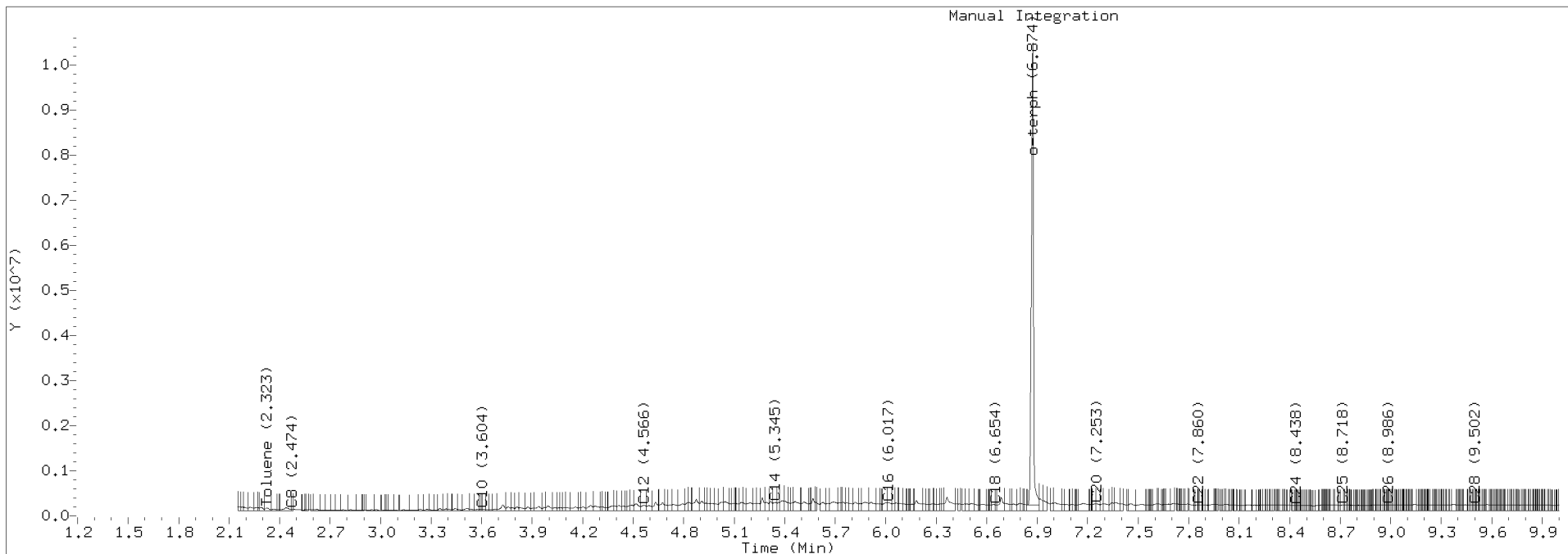
Analyte	RF	Curve Date
o-Terph Surr	203634.1	
Triacon Surr	174221.0	
Gas	15000.0	XX-XXX-XXXX
Diesel	158638.4	20-JAN-2022
Motor Oil	132579.1	06-JAN-2022
AK102	189076.1	20-JAN-2022
AK103	98909.5	06-JAN-2022
JetA	173192.9	03-MAR-2022
OR Diesel	189743.0	20-JAN-2022
NAS Diesel	188673.2	20-JAN-2022
Bunker C	59438.6	21-APR-2022



TPH Manual Integrations Report

Datafile: FID4A, 20220421.b/422D2113.D Injection: 21-APR-2022 20:09

Lab ID:SEQ-ICV3





INITIAL CALIBRATION CHECK NWTPH-Dx

Laboratory: Analytical Resources, LLC SDG: 22G0019
Client: GeoEngineers Project: RG Haley Site-Bellingham
Instrument ID: FID4 Calibration: FA00054
Lab File ID: 422G1305.D Calibration Date: 01/31/2022
Sequence: SKG0164 Injection Date: 07/13/22
Lab Sample ID: SKG0164-ICV1 Injection Time: 14:05
Sequence Name: DIESEL ICV

COMPOUND	TYPE	CONC. (mg/L)		RESPONSE FACTOR			% DRIFT/DIFF	
		STD	ICV	ICAL	ICV	MIN	ICV	LIMIT
Diesel Range Organics (C12-C24)	A	500.00	514	158638.4000	163159.4000		2.8	+/-15
o-Terphenyl	A	90.000	95.2	203634.1000	215297.9000		5.8	+/-15

* Values outside of QC limits

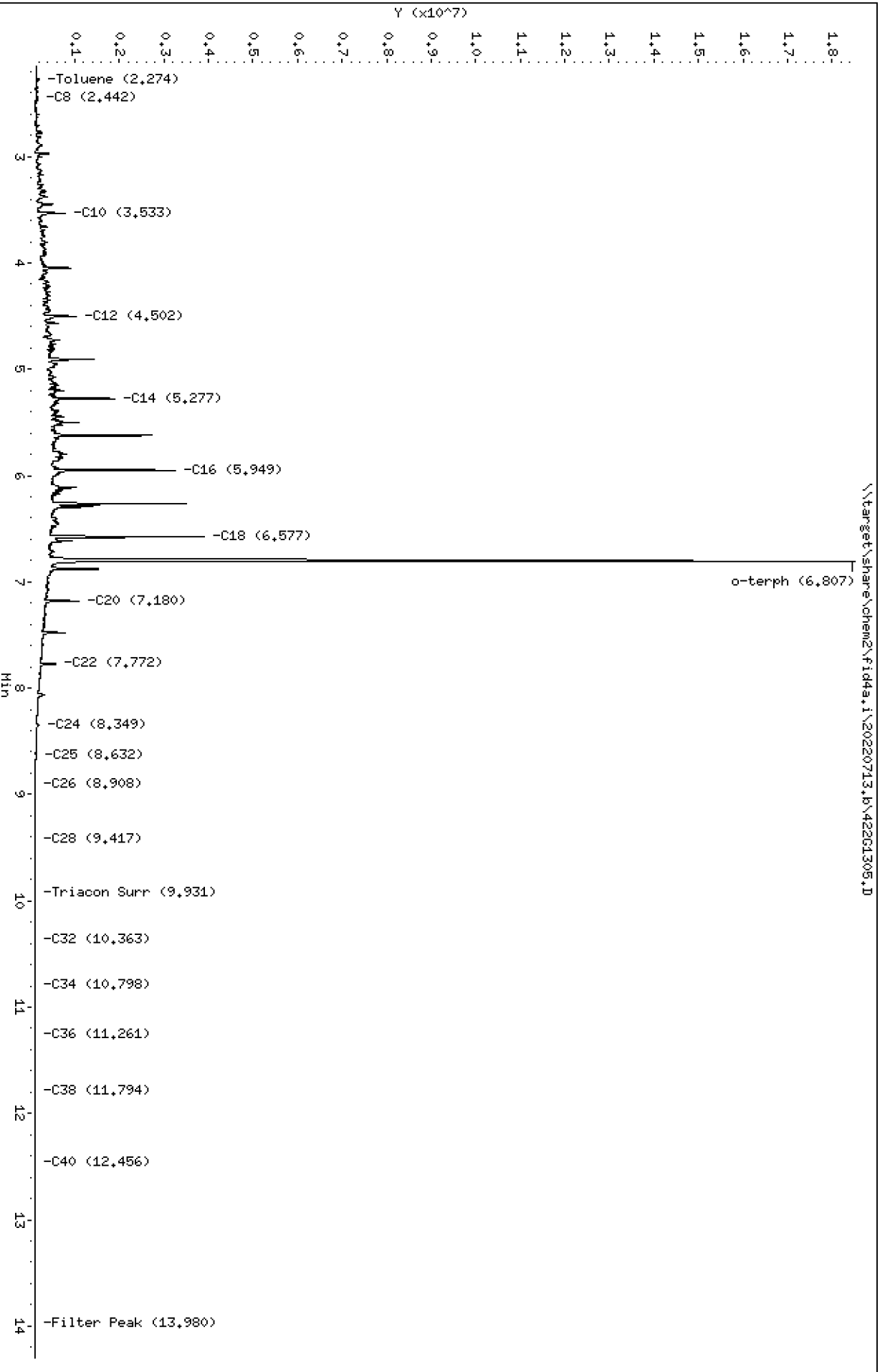
Data File: \\target\share\chem2\fid4a,1\20220713,8\42261305.D
Date: 13-JUL-2022 14:05
Client ID:
Sample Info: SEQ-ICV1

Instrument: fid4a,1

Page 1

Column phase: RTX-1

Operator: AA/JGR
Column diameter: 0.25



Analytical Resources Inc.
TPH Quantitation Report

Data file: 20220713.b/422G1305.D
Method: 20220713.b\FID4TPH.m
Instrument: fid4a.i, AA/JGR
Report Date: 07/14/2022
Macro: 09-SEP-2019
Calibration Dates: Gas:XX-XXX-XXXX Diesel:20-JAN-2022 M.Oil:06-JAN-2022

ARI ID: SEQ-ICV1
Client ID:
Injection: 13-JUL-2022 14:05
Dilution Factor: 1
RT Std: 422G1303.D

FID:4A RESULTS

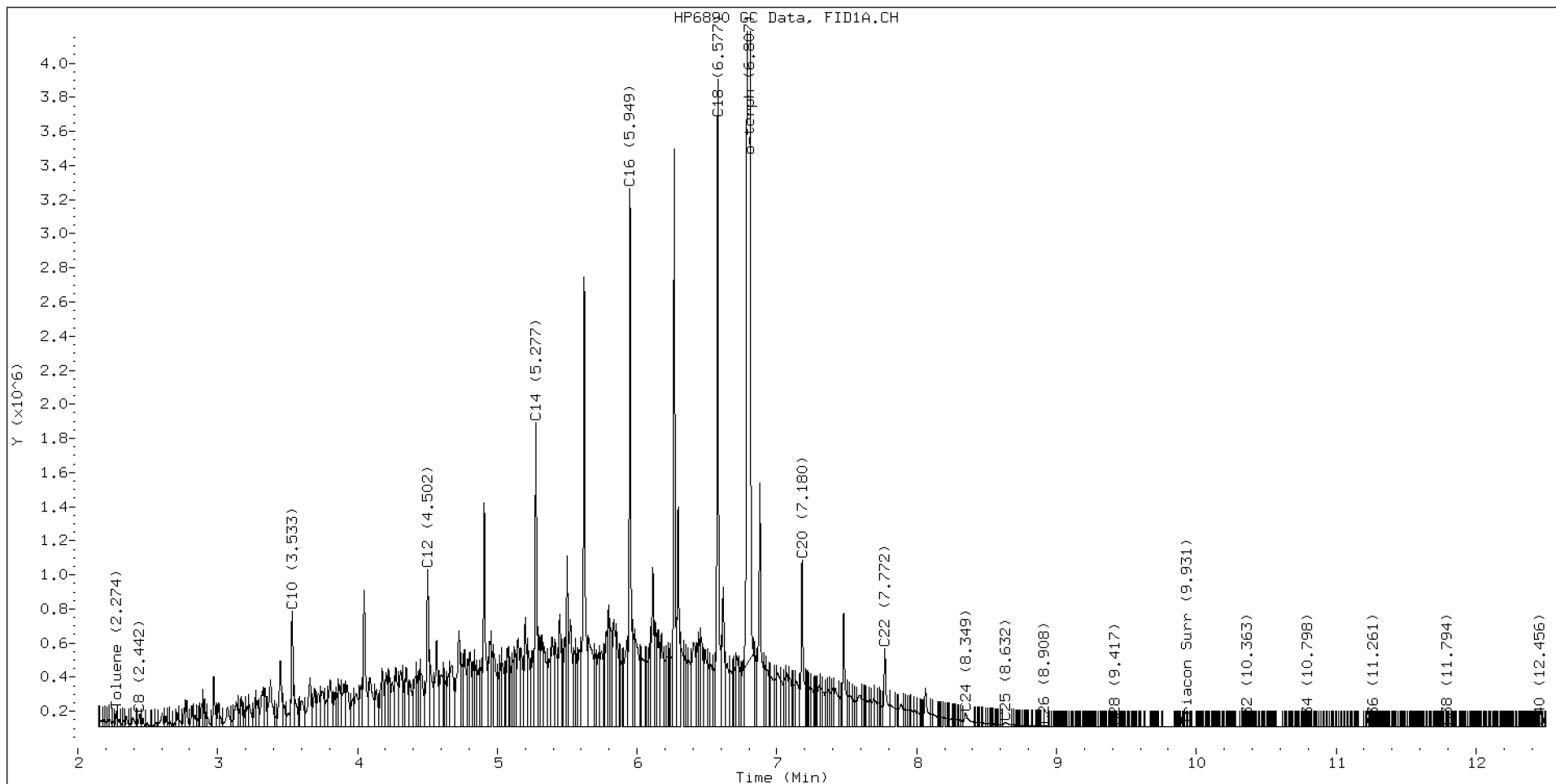
Compound	RT	Shift	Height	Area	Method	Range	Total Area	Conc (mg/L)
C8	2.442	0.000	76840	71691	WATPHD	(C12-C24)	81579723	514.2
C10	3.533	-0.003	683234	622768	WATPHM	(C24-C38)	831270	6.3
C12	4.502	-0.003	927091	1049172	AK102	(C10-C25)	95950045	507.5
C14	5.277	-0.004	1782506	1603599	AK103	(C25-C36)	533064	5.4
C16	5.949	-0.004	3159032	2608114	OR.DIES	(C10-C28)	96276064	507.4
C18	6.577	-0.003	3800857	3224093				
C20	7.180	-0.006	982178	1045499	JET-A	(C10-C18)	74167888	428.2
C22	7.772	-0.008	459921	621644				
C24	8.349	-0.003	82160	213024				
C25	8.632	0.002	27912	78264				
C26	8.908	0.007	10720	10509				
C28	9.417	-0.001	971	366				
C32	10.363	-0.005	1494	645				
C34	10.798	-0.005	3279	808				
Filter Peak	13.980	-0.003	1724	1072				
C36	11.261	-0.001	3241	790				
C38	11.794	-0.002	2163	1045				
C40	12.456	0.001	887	443				
o-terph	6.807	-0.002	18013889	19376810				
Triacon Surr	9.931	-0.000	1559	839	NAS DIES	(C10-C24)	95736276	507.4

Range Times: NW Diesel(4.505 - 8.352) AK102(3.54 - 8.63) Jet A(3.54 - 6.58)
NW M.Oil(8.35 - 11.80) AK103(8.63 - 11.26) OR Diesel(3.54 - 9.42)

Surrogate	Area	Amount
o-Terphenyl	19376810	95.2 M
Triacontane	839	0.0

M Indicates the peak was manually integrated

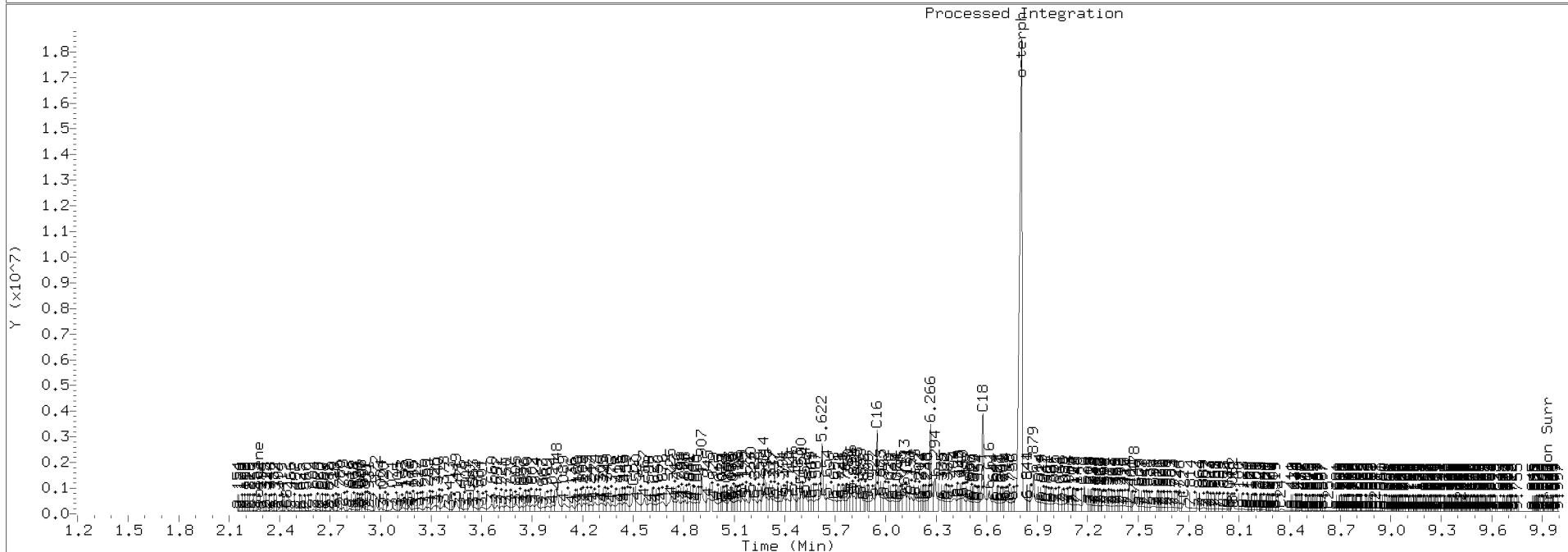
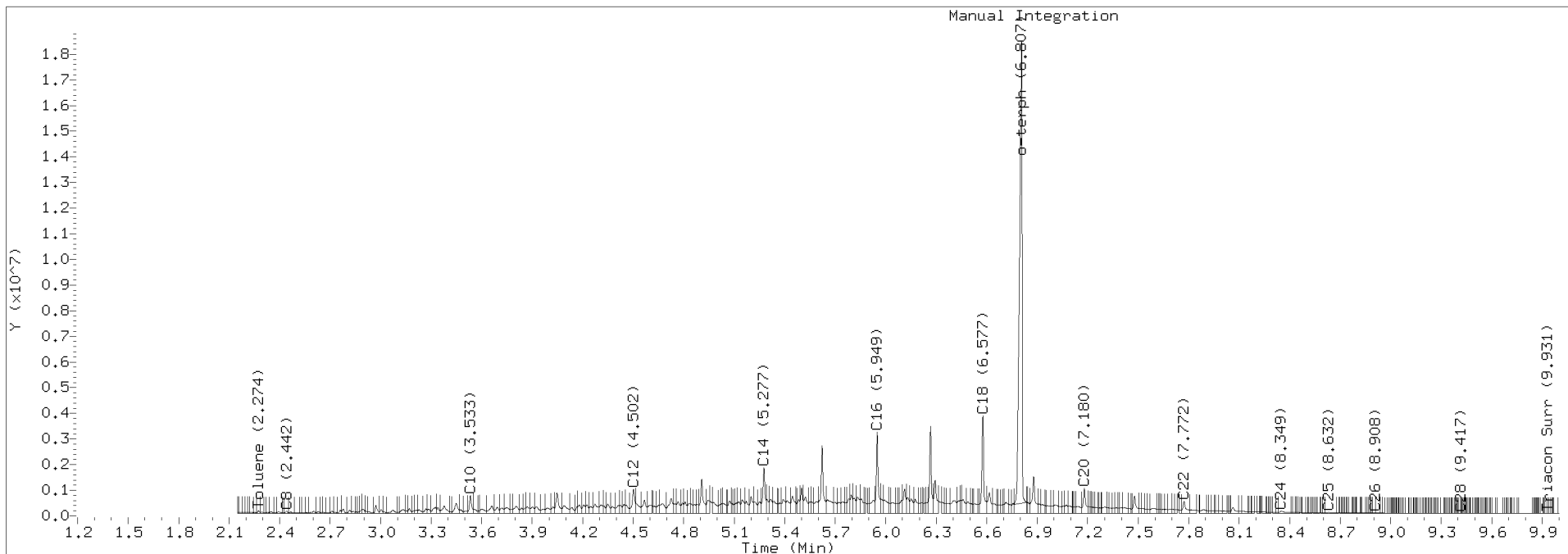
Analyte	RF	Curve Date
o-Terph Surr	203634.1	
Triacon Surr	174221.0	
Gas	15000.0	XX-XXX-XXXX
Diesel	158638.4	20-JAN-2022
Motor Oil	132579.1	06-JAN-2022
AK102	189076.1	20-JAN-2022
AK103	98909.5	06-JAN-2022
JetA	173192.9	03-MAR-2022
OR Diesel	189743.0	20-JAN-2022
NAS Diesel	188673.2	20-JAN-2022



TPH Manual Integrations Report

Datafile: FID4A, 20220713.b/422G1305.D Injection: 13-JUL-2022 14:05

Lab ID:SEQ-ICV1





INITIAL CALIBRATION CHECK
NWTPH-Dx

Laboratory:	<u>Analytical Resources, LLC</u>	SDG:	<u>22G0019</u>
Client:	<u>GeoEngineers</u>	Project:	<u>RG Haley Site-Bellingham</u>
Instrument ID:	<u>FID4</u>	Calibration:	<u>FA00054</u>
Lab File ID:	<u>422G1306.D</u>	Calibration Date:	<u>01/31/2022</u>
Sequence:	<u>SKG0164</u>	Injection Date:	<u>07/13/22</u>
Lab Sample ID:	<u>SKG0164-ICV2</u>	Injection Time:	<u>14:25</u>
Sequence Name:	<u>MOIL ICV</u>		

COMPOUND	TYPE	CONC. (mg/L)		RESPONSE FACTOR			% DRIFT/DIFF	
		STD	ICV	ICAL	ICV	MIN	ICV	LIMIT
Motor Oil Range Organics (C24-C38)	A	1000.0	939	132579.1000	124424.7000		-6.2	+/-15

* Values outside of QC limits

Data File: \\target\share\chem2\fid4a,1\20220713,8\42261306.D

Date: 13-JUL-2022 14:25

Client ID:

Sample Info: SED-ICV2

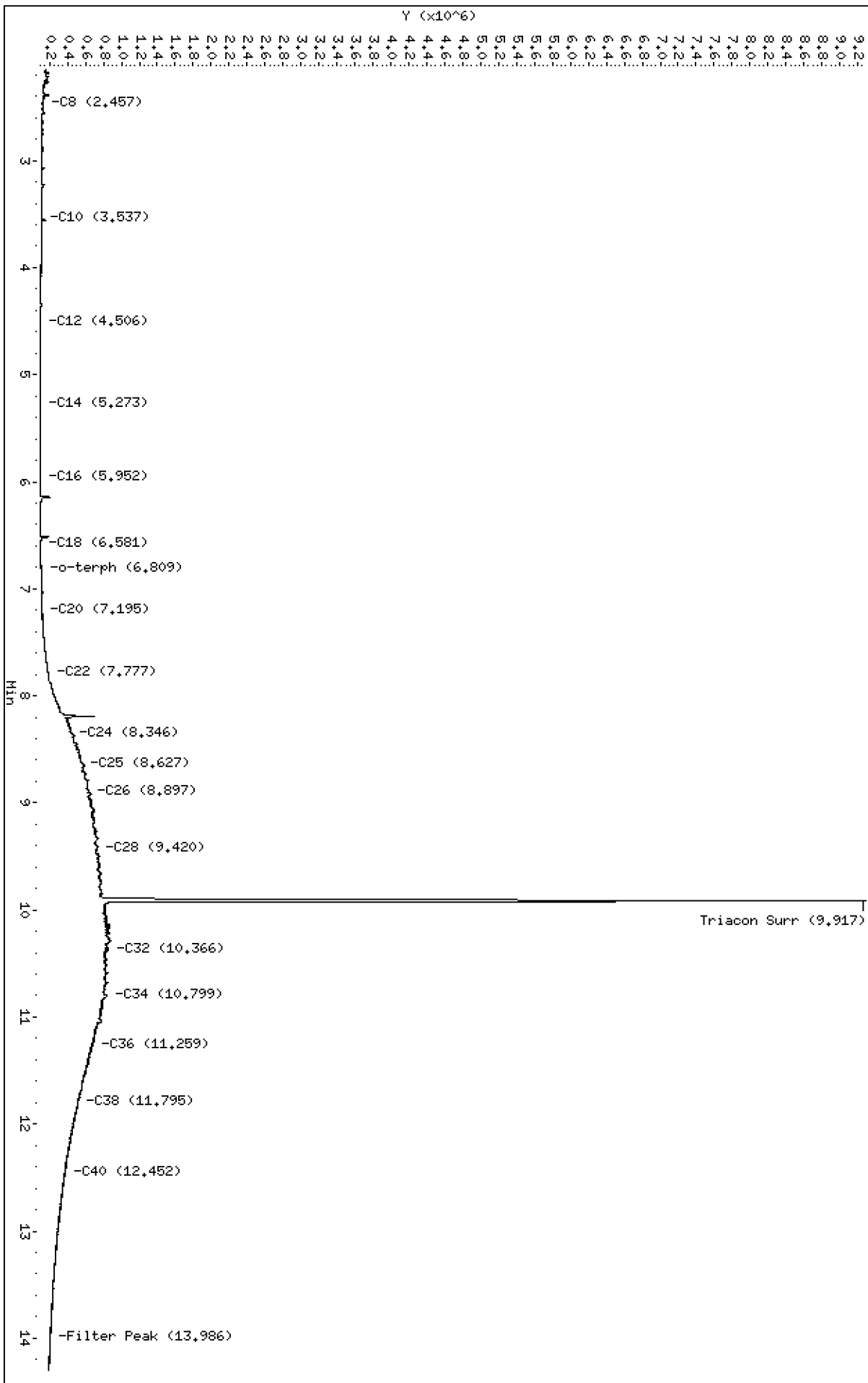
Column phase: RTX-1

Instrument: fid4a,1

Operator: AA/JGR

Column diameter: 0.25

\\target\share\chem2\fid4a,1\20220713,8\42261306.D



Analytical Resources Inc.
TPH Quantitation Report

Data file: 20220713.b/422G1306.D
Method: 20220713.b\FID4TPH.m
Instrument: fid4a.i, AA/JGR
Report Date: 07/14/2022
Macro: 09-SEP-2019
Calibration Dates: Gas:XX-XXX-XXXX Diesel:20-JAN-2022 M.Oil:06-JAN-2022

ARI ID: SEQ-ICV2
Client ID:
Injection: 13-JUL-2022 14:25
Dilution Factor: 1
RT Std: 422G1303.D

FID:4A RESULTS

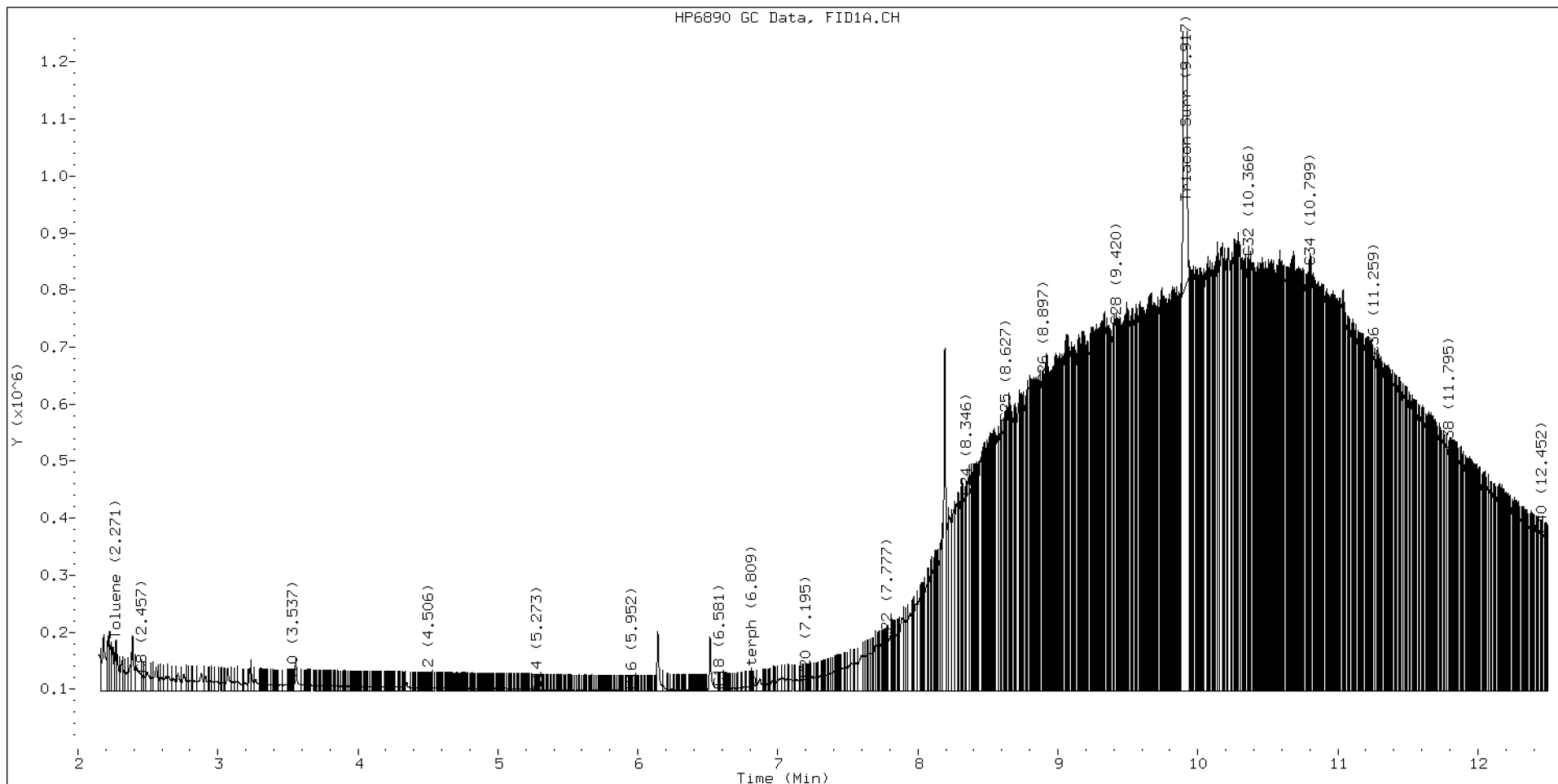
Compound	RT	Shift	Height	Area	Method	Range	Total Area	Conc (mg/L)
C8	2.457	0.016	28332	22285	WATPHD	(C12-C24)	10750480	67.8
C10	3.537	0.002	10265	2050	WATPHM	(C24-C38)	124424720	938.5
C12	4.506	0.001	5701	3662	AK102	(C10-C25)	15467171	81.8
C14	5.273	-0.007	2661	1300	AK103	(C25-C36)	105099590	1062.6
C16	5.952	-0.001	394	120	OR.DIES	(C10-C28)	44676754	235.5
C18	6.581	0.001	4821	2740				
C20	7.195	0.008	20980	17333	JET-A	(C10-C18)	976889	5.6
C22	7.777	-0.002	85700	29630				
C24	8.346	-0.007	339315	151327				
C25	8.627	-0.003	469315	163076				
C26	8.897	-0.004	537849	187072				
C28	9.420	0.002	640024	254258				
C32	10.366	-0.002	760012	485692				
C34	10.799	-0.003	744561	295817				
Filter Peak	13.986	0.003	112618	55841				
C36	11.259	-0.003	587139	582093				
C38	11.795	-0.001	422869	229649				
C40	12.452	-0.002	274055	68370				
o-terph	6.809	0.000	8197	4321				
Triacon Surr	9.917	-0.014	8481837	8059735	NAS DIES	(C10-C24)	11260675	59.7

Range Times: NW Diesel(4.505 - 8.352) AK102(3.54 - 8.63) Jet A(3.54 - 6.58)
NW M.Oil(8.35 - 11.80) AK103(8.63 - 11.26) OR Diesel(3.54 - 9.42)

Surrogate	Area	Amount
o-Terphenyl	4321	0.0
Triacontane	8059735	46.3 M

M Indicates the peak was manually integrated

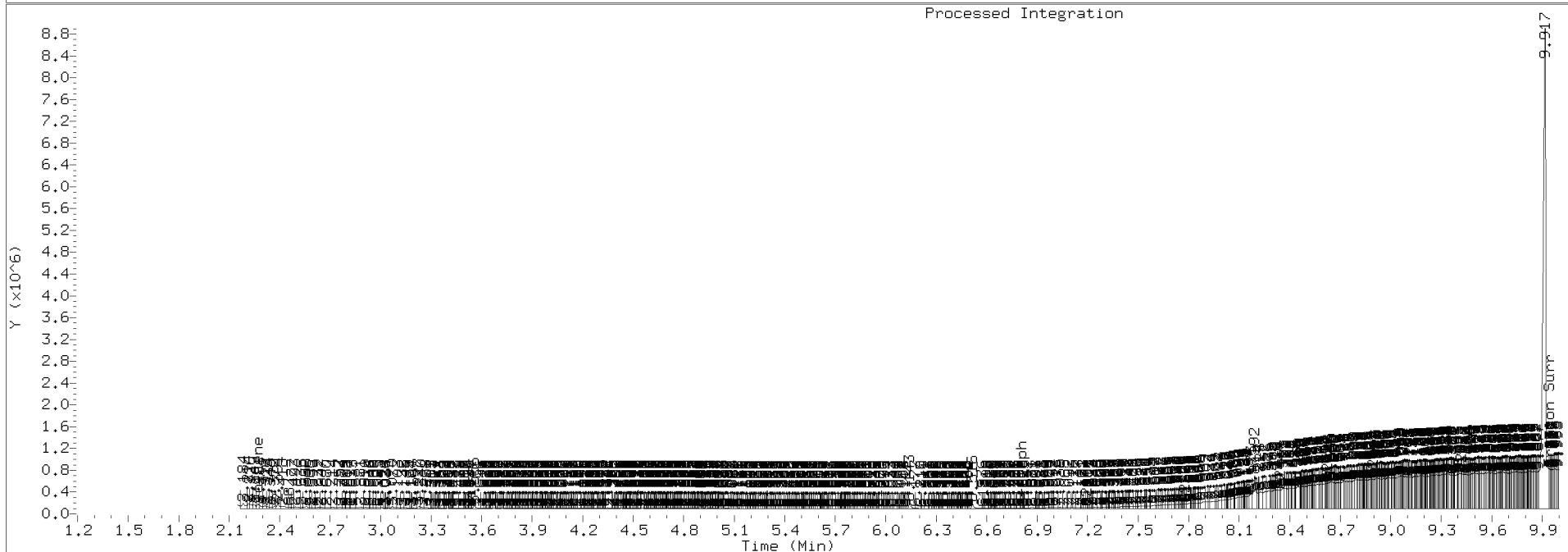
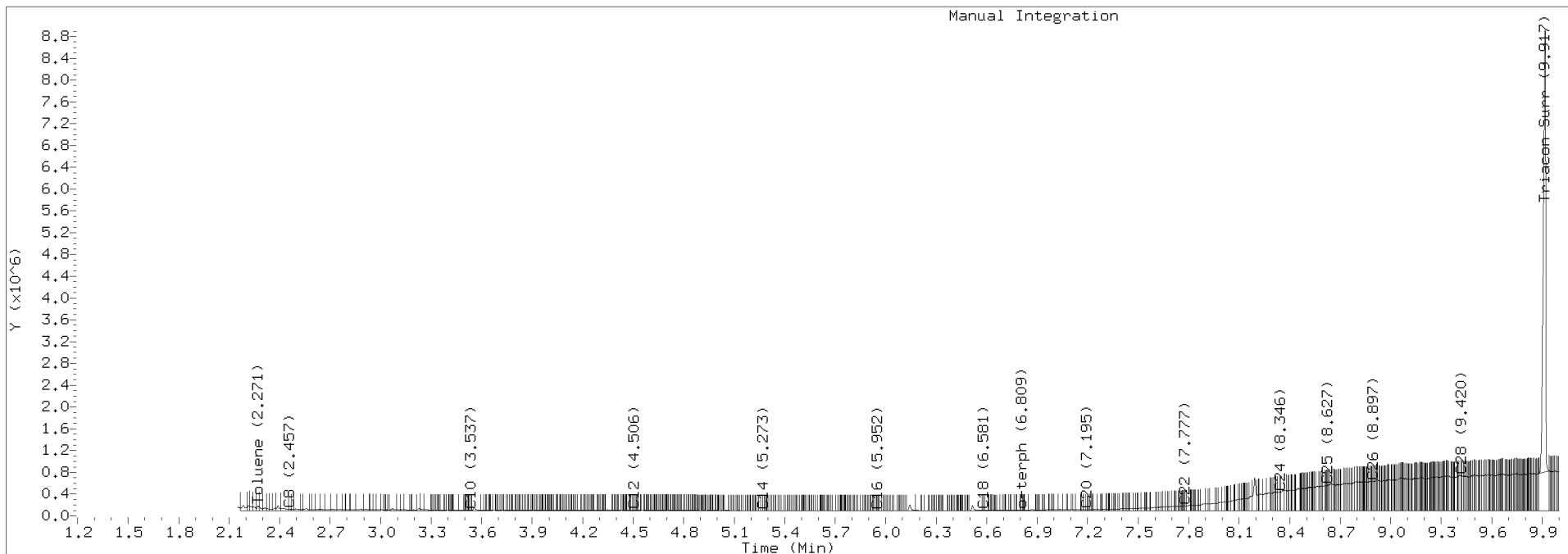
Analyte	RF	Curve Date
o-Terph Surr	203634.1	
Triacon Surr	174221.0	
Gas	15000.0	XX-XXX-XXXX
Diesel	158638.4	20-JAN-2022
Motor Oil	132579.1	06-JAN-2022
AK102	189076.1	20-JAN-2022
AK103	98909.5	06-JAN-2022
JetA	173192.9	03-MAR-2022
OR Diesel	189743.0	20-JAN-2022
NAS Diesel	188673.2	20-JAN-2022



TPH Manual Integrations Report

Datafile: FID4A, 20220713.b/422G1306.D Injection: 13-JUL-2022 14:25

Lab ID:SEQ-ICV2





INITIAL CALIBRATION CHECK
NWTPH-Dx

Laboratory:	<u>Analytical Resources, LLC</u>	SDG:	<u>22G0019</u>
Client:	<u>GeoEngineers</u>	Project:	<u>RG Haley Site-Bellingham</u>
Instrument ID:	<u>FID4</u>	Calibration:	<u>FA00054</u>
Lab File ID:	<u>422G1405.D</u>	Calibration Date:	<u>01/31/2022</u>
Sequence:	<u>SKG0168</u>	Injection Date:	<u>07/14/22</u>
Lab Sample ID:	<u>SKG0168-ICV1</u>	Injection Time:	<u>19:47</u>
Sequence Name:	<u>DIESEL ICV</u>		

COMPOUND	TYPE	CONC. (mg/L)		RESPONSE FACTOR			% DRIFT/DIFF	
		STD	ICV	ICAL	ICV	MIN	ICV	LIMIT
Diesel Range Organics (C12-C24)	A	500.00	511	158638.4000	162065.5000		2.2	+/-15
o-Terphenyl	A	90.000	91.3	203634.1000	206626.7000		1.4	+/-15

* Values outside of QC limits

Data File: \\target\share\chem2\fid4a,1\20220714,b\42261405.D
Date: 14-JUL-2022 19:47

Client ID:

Sample Info: SEQ-ICV1

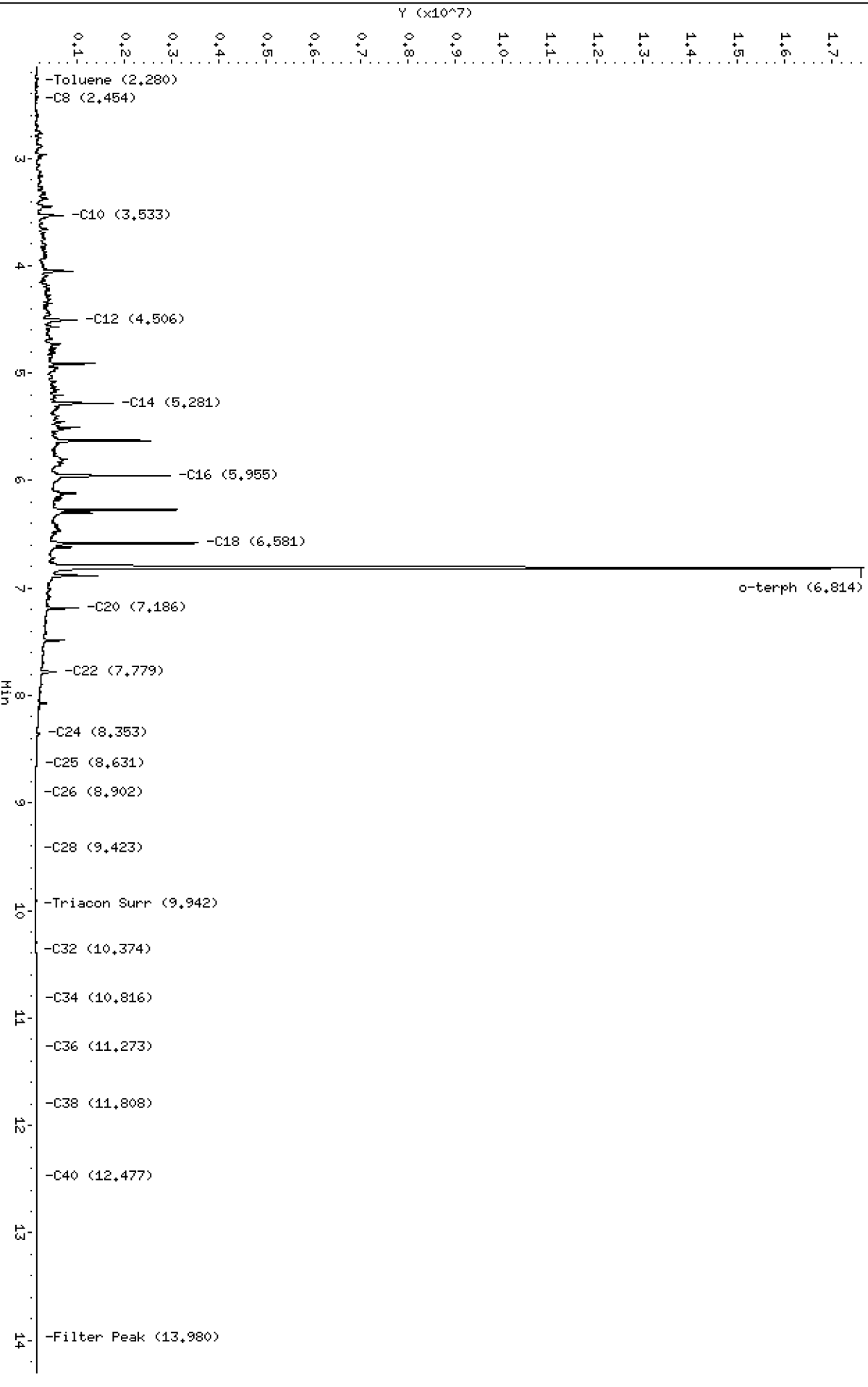
Column phase: RTX-1

Instrument: fid4a,1

Operator: AA/JGR

Column diameter: 0.25

\\target\share\chem2\fid4a,1\20220714,b\42261405.D



Analytical Resources Inc.
TPH Quantitation Report

Data file: 20220714.b/422G1405.D
Method: 20220714.b\FID4TPH.m
Instrument: fid4a.i, AA/JGR
Report Date: 07/15/2022
Macro: 09-SEP-2019
Calibration Dates: Gas:XX-XXX-XXXX Diesel:20-JAN-2022 M.Oil:06-JAN-2022

ARI ID: SEQ-ICV1
Client ID:
Injection: 14-JUL-2022 19:47
Dilution Factor: 1
RT Std: 422G1403.D

FID:4A RESULTS

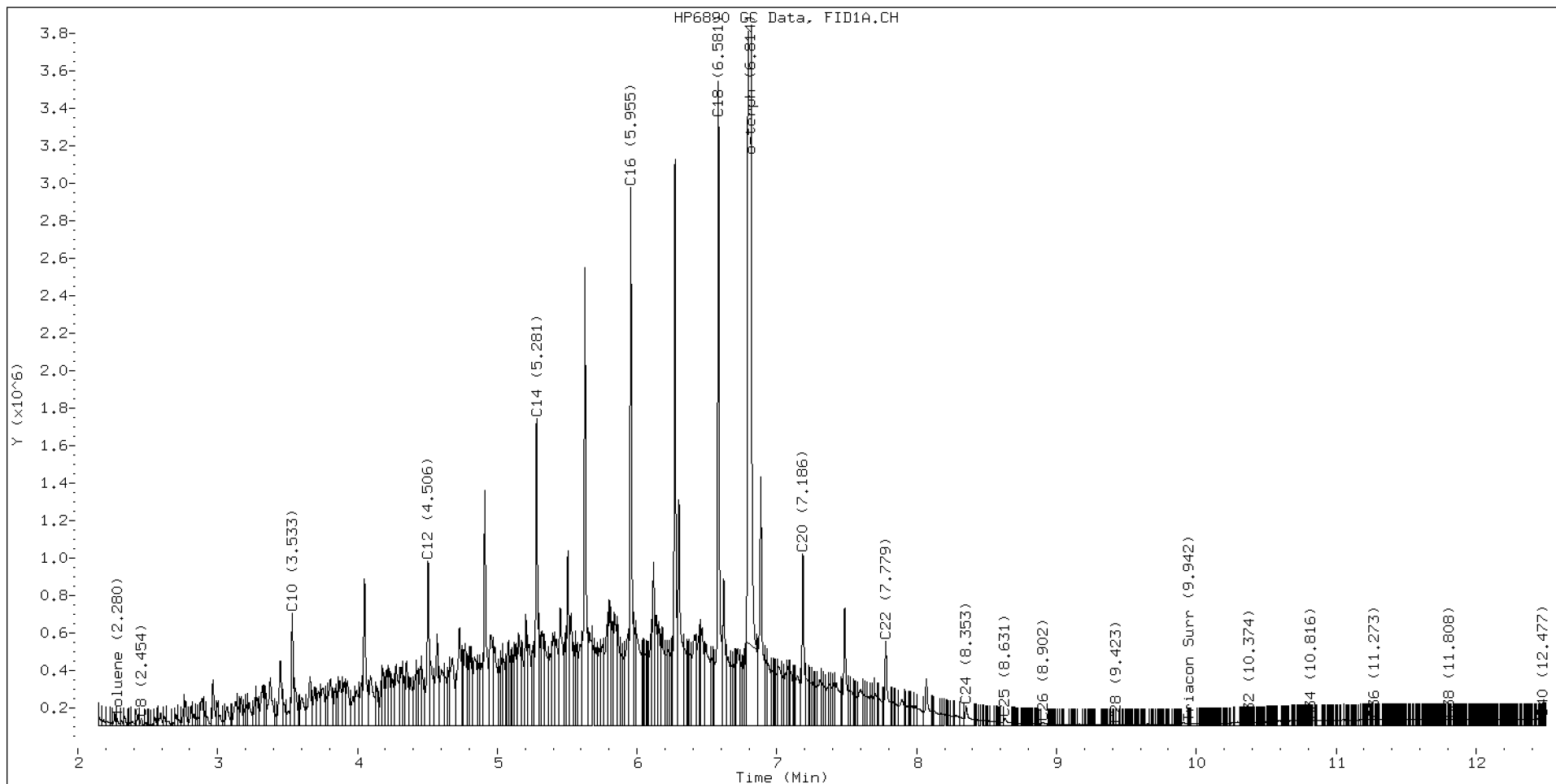
Compound	RT	Shift	Height	Area	Method	Range	Total Area	Conc (mg/L)
C8	2.454	0.009	38769	30234	WATPHD	(C12-C24)	81032734	510.8
C10	3.533	-0.007	597047	582836	WATPHM	(C24-C38)	3283771	24.8
C12	4.506	-0.002	878579	1017170	AK102	(C10-C25)	94592356	500.3
C14	5.281	-0.003	1638356	1576934	AK103	(C25-C36)	2073255	21.0
C16	5.955	-0.003	2872032	2559386	OR.DIES	(C10-C28)	94925124	500.3
C18	6.581	-0.004	3441227	3339382				
C20	7.186	-0.006	915453	1024966	JET-A	(C10-C18)	72547350	418.9
C22	7.779	-0.007	448360	617621				
C24	8.353	-0.006	103072	209673				
C25	8.631	-0.006	38098	75569				
C26	8.902	-0.006	14453	28518				
C28	9.423	-0.003	3377	3535				
C32	10.374	-0.002	14376	7880				
C34	10.816	0.004	25619	10210				
Filter Peak	13.980	-0.004	34204	20486				
C36	11.273	-0.001	29766	22234				
C38	11.808	-0.002	32609	14668				
C40	12.477	0.002	34088	8495				
o-terph	6.814	-0.003	17134857	18596397				
Triacon Surr	9.942	0.001	6698	3295	NAS DIES	(C10-C24)	94384261	500.3

Range Times: NW Diesel(4.508 - 8.360) AK102(3.54 - 8.64) Jet A(3.54 - 6.59)
NW M.Oil(8.36 - 11.81) AK103(8.64 - 11.27) OR Diesel(3.54 - 9.43)

Surrogate	Area	Amount
o-Terphenyl	18596397	91.3 M
Triacontane	3295	0.0

M Indicates the peak was manually integrated

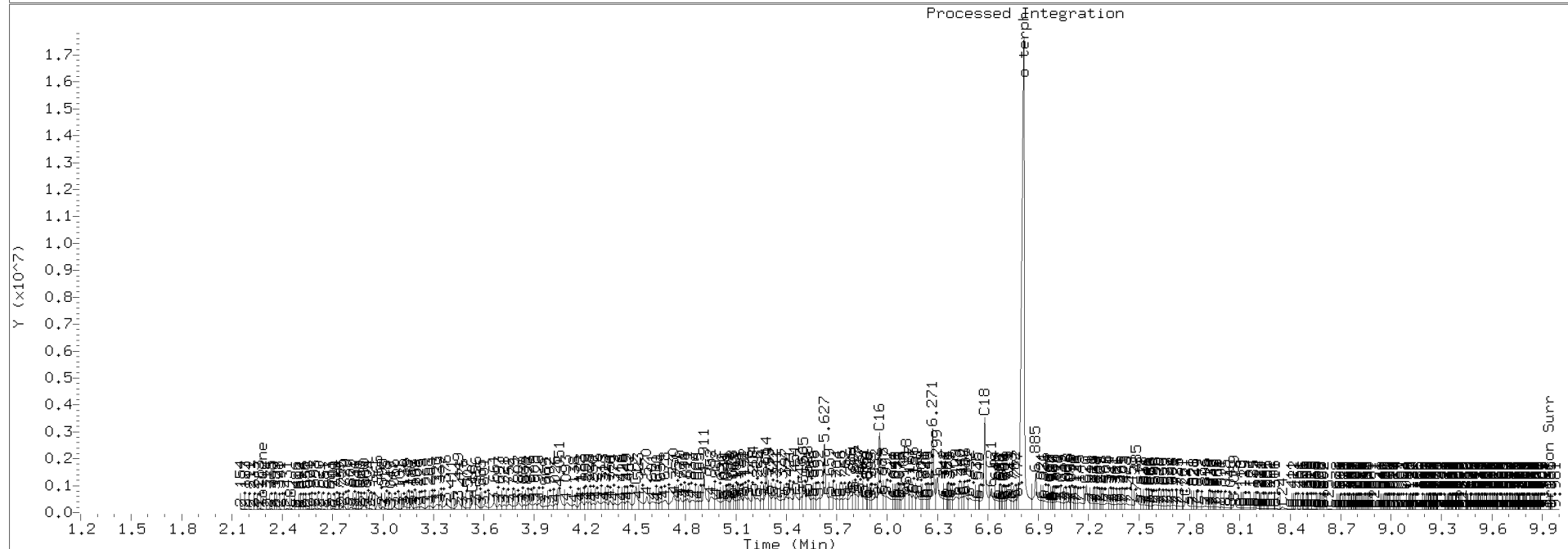
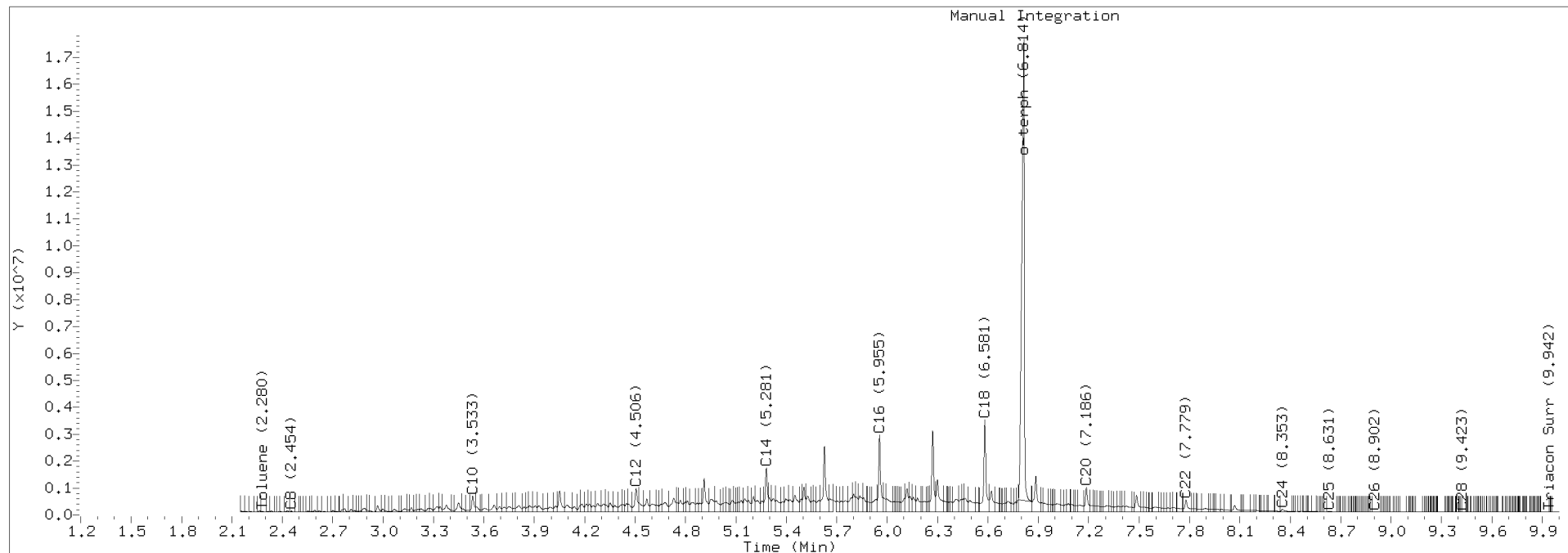
Analyte	RF	Curve Date
o-Terph Surr	203634.1	
Triacon Surr	174221.0	
Gas	15000.0	XX-XXX-XXXX
Diesel	158638.4	20-JAN-2022
Motor Oil	132579.1	06-JAN-2022
AK102	189076.1	20-JAN-2022
AK103	98909.5	06-JAN-2022
JetA	173192.9	03-MAR-2022
OR Diesel	189743.0	20-JAN-2022
NAS Diesel	188673.2	20-JAN-2022



TPH Manual Integrations Report

Datafile: FID4A, 20220714.b/422G1405.D Injection: 14-JUL-2022 19:47

Lab ID:SEQ-ICV1





INITIAL CALIBRATION CHECK
NWTPH-Dx

Laboratory:	<u>Analytical Resources, LLC</u>	SDG:	<u>22G0019</u>
Client:	<u>GeoEngineers</u>	Project:	<u>RG Haley Site-Bellingham</u>
Instrument ID:	<u>FID4</u>	Calibration:	<u>FA00054</u>
Lab File ID:	<u>422G1406.D</u>	Calibration Date:	<u>01/31/2022</u>
Sequence:	<u>SKG0168</u>	Injection Date:	<u>07/14/22</u>
Lab Sample ID:	<u>SKG0168-ICV2</u>	Injection Time:	<u>20:07</u>
Sequence Name:	<u>MOIL ICV</u>		

COMPOUND	TYPE	CONC. (mg/L)		RESPONSE FACTOR			% DRIFT/DIFF	
		STD	ICV	ICAL	ICV	MIN	ICV	LIMIT
Motor Oil Range Organics (C24-C38)	A	1000.0	959	132579.1000	127112.9000		-4.1	+/-15

* Values outside of QC limits

Data File: \\target\share\chem2\fid4a,1\20220714,8\42261406.D
Date: 14-JUL-2022 20:07

Client ID:

Sample Info: SEQ-ICV2

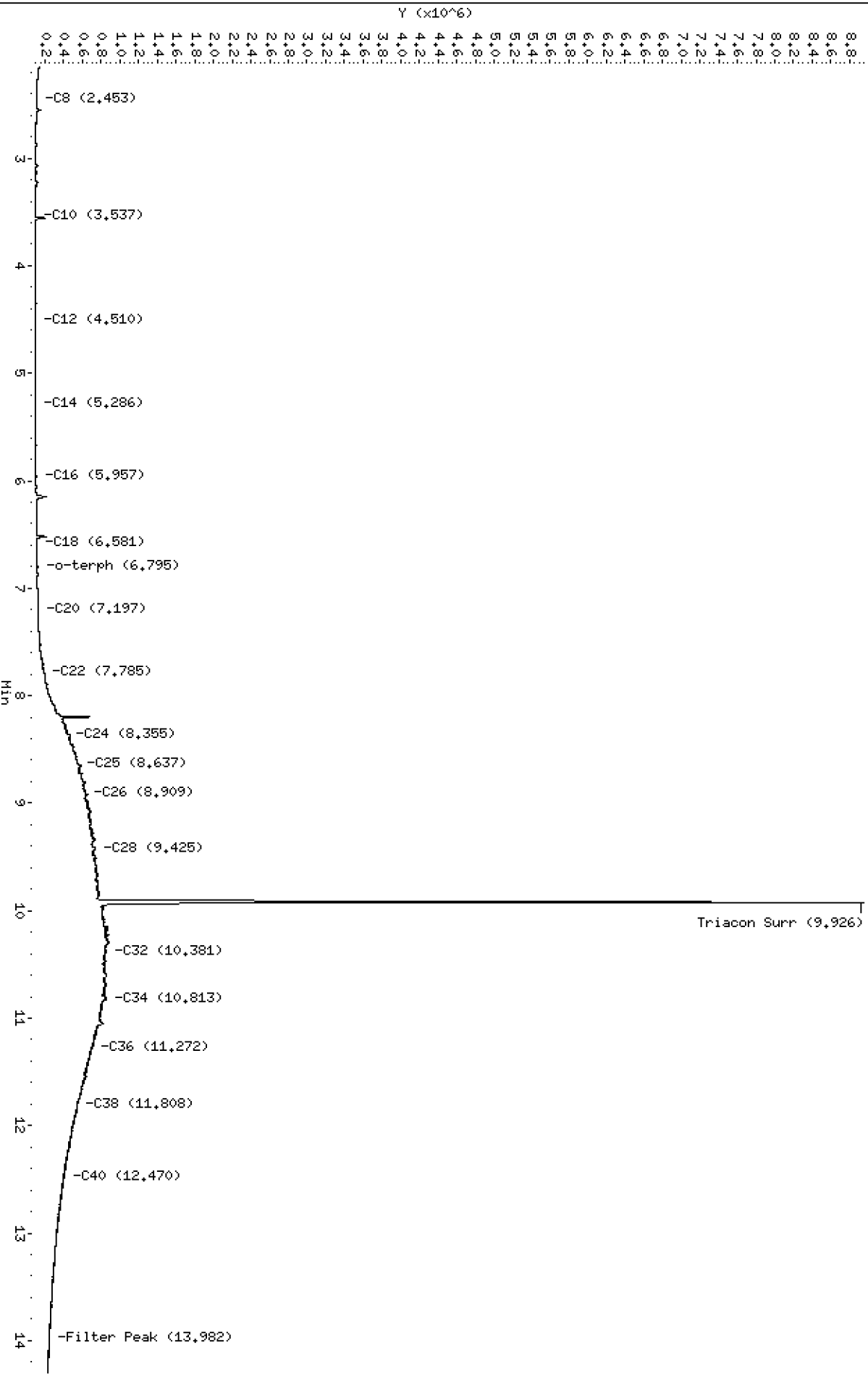
Column phase: RTX-1

Instrument: fid4a,1

Operator: AA/JGR

Column diameter: 0.25

\\target\share\chem2\fid4a,1\20220714,8\42261406.D



Analytical Resources Inc.
TPH Quantitation Report

Data file: 20220714.b/422G1406.D
Method: 20220714.b\FID4TPH.m
Instrument: fid4a.i, AA/JGR
Report Date: 07/15/2022
Macro: 09-SEP-2019
Calibration Dates: Gas:XX-XXX-XXXX Diesel:20-JAN-2022 M.Oil:06-JAN-2022

ARI ID: SEQ-ICV2
Client ID:
Injection: 14-JUL-2022 20:07
Dilution Factor: 1
RT Std: 422G1403.D

FID:4A RESULTS

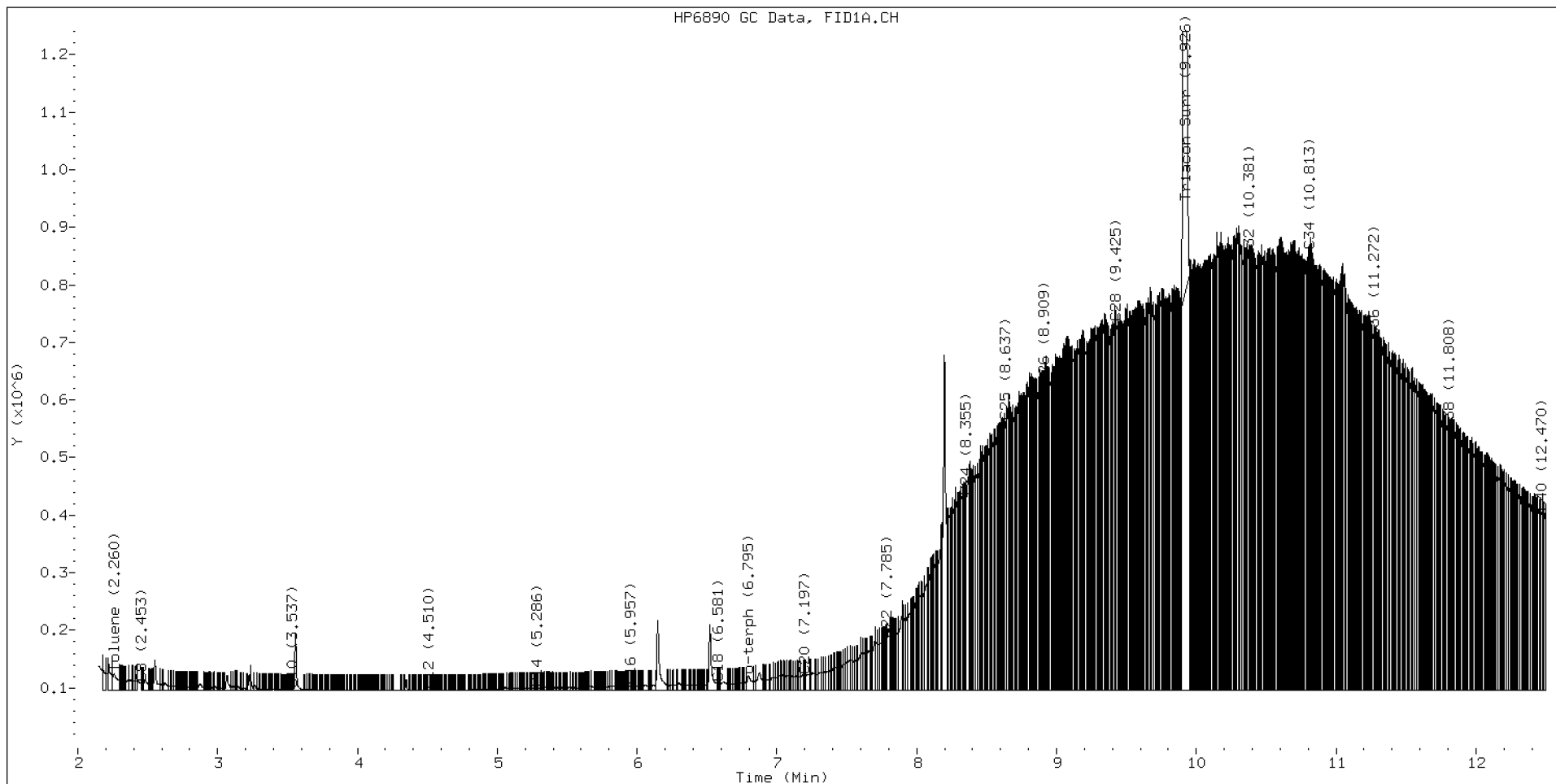
Compound	RT	Shift	Height	Area	Method	Range	Total Area	Conc (mg/L)
C8	2.453	0.008	13017	6965	WATPHD	(C12-C24)	11534859	72.7
C10	3.537	-0.003	1488	559	WATPHM	(C24-C38)	127112874	958.8
C12	4.510	0.002	607	349	AK102	(C10-C25)	15774963	83.4
C14	5.286	0.003	3896	1142	AK103	(C25-C36)	106567093	1077.4
C16	5.957	-0.001	7533	3629	OR.DIES	(C10-C28)	44993030	237.1
C18	6.581	-0.004	12430	6786				
C20	7.197	0.004	25994	10349	JET-A	(C10-C18)	1000070	5.8
C22	7.785	-0.001	88422	26460				
C24	8.355	-0.005	337022	67335				
C25	8.637	0.000	466185	230959				
C26	8.909	0.001	529446	105794				
C28	9.425	-0.001	639434	190752				
C32	10.381	0.004	751012	224593				
C34	10.813	0.001	763248	303257				
Filter Peak	13.982	-0.001	148247	59185				
C36	11.272	-0.001	611749	212563				
C38	11.808	-0.002	450821	178975				
C40	12.470	-0.006	309101	259755				
o-terph	6.795	-0.022	26155	61636				
Triacon Surr	9.926	-0.016	8159838	8155608	NAS DIES	(C10-C24)	11658365	61.8

Range Times: NW Diesel(4.508 - 8.360) AK102(3.54 - 8.64) Jet A(3.54 - 6.59)
NW M.Oil(8.36 - 11.81) AK103(8.64 - 11.27) OR Diesel(3.54 - 9.43)

Surrogate	Area	Amount
o-Terphenyl	61636	0.3
Triacontane	8155608	46.8 M

M Indicates the peak was manually integrated

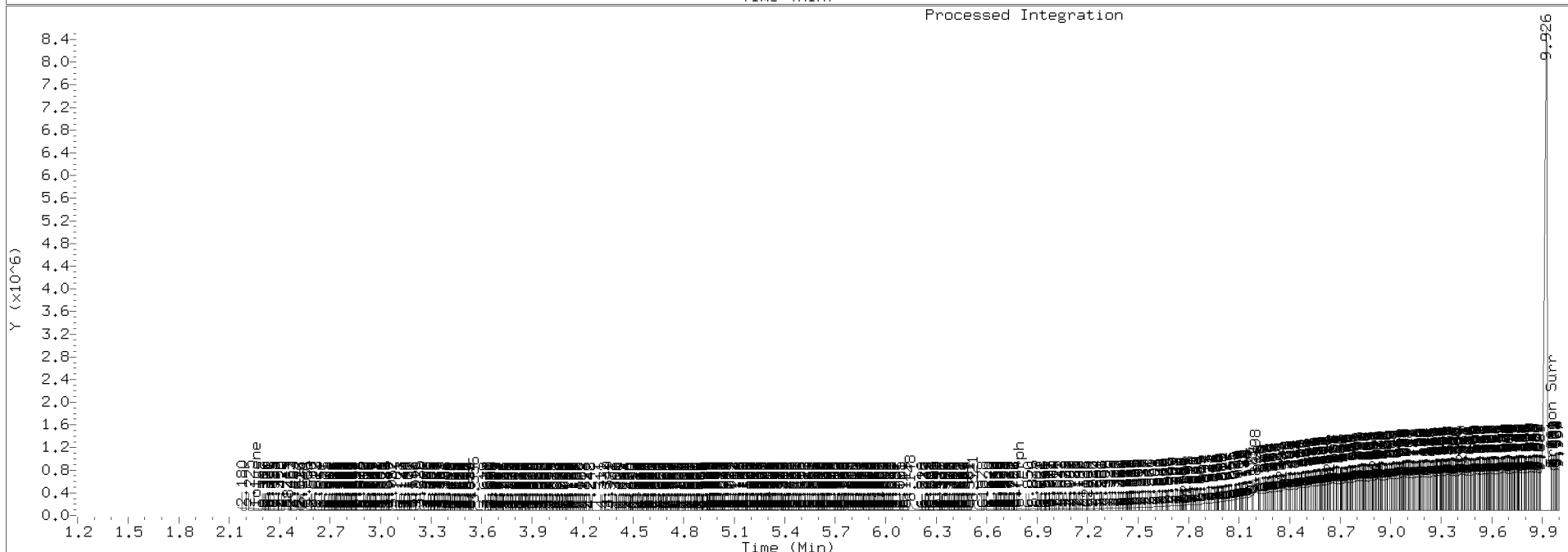
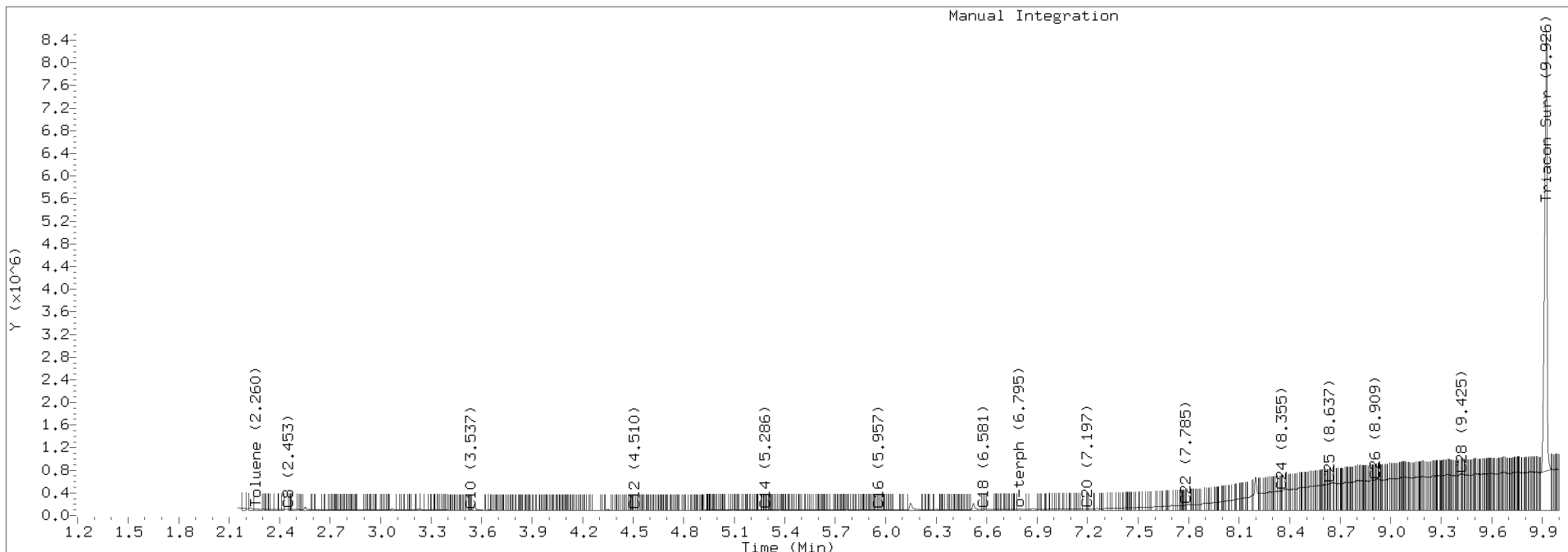
Analyte	RF	Curve Date
o-Terph Surr	203634.1	
Triacon Surr	174221.0	
Gas	15000.0	XX-XXX-XXXX
Diesel	158638.4	20-JAN-2022
Motor Oil	132579.1	06-JAN-2022
AK102	189076.1	20-JAN-2022
AK103	98909.5	06-JAN-2022
JetA	173192.9	03-MAR-2022
OR Diesel	189743.0	20-JAN-2022
NAS Diesel	188673.2	20-JAN-2022



TPH Manual Integrations Report

Datafile: FID4A, 20220714.b/422G1406.D Injection: 14-JUL-2022 20:07

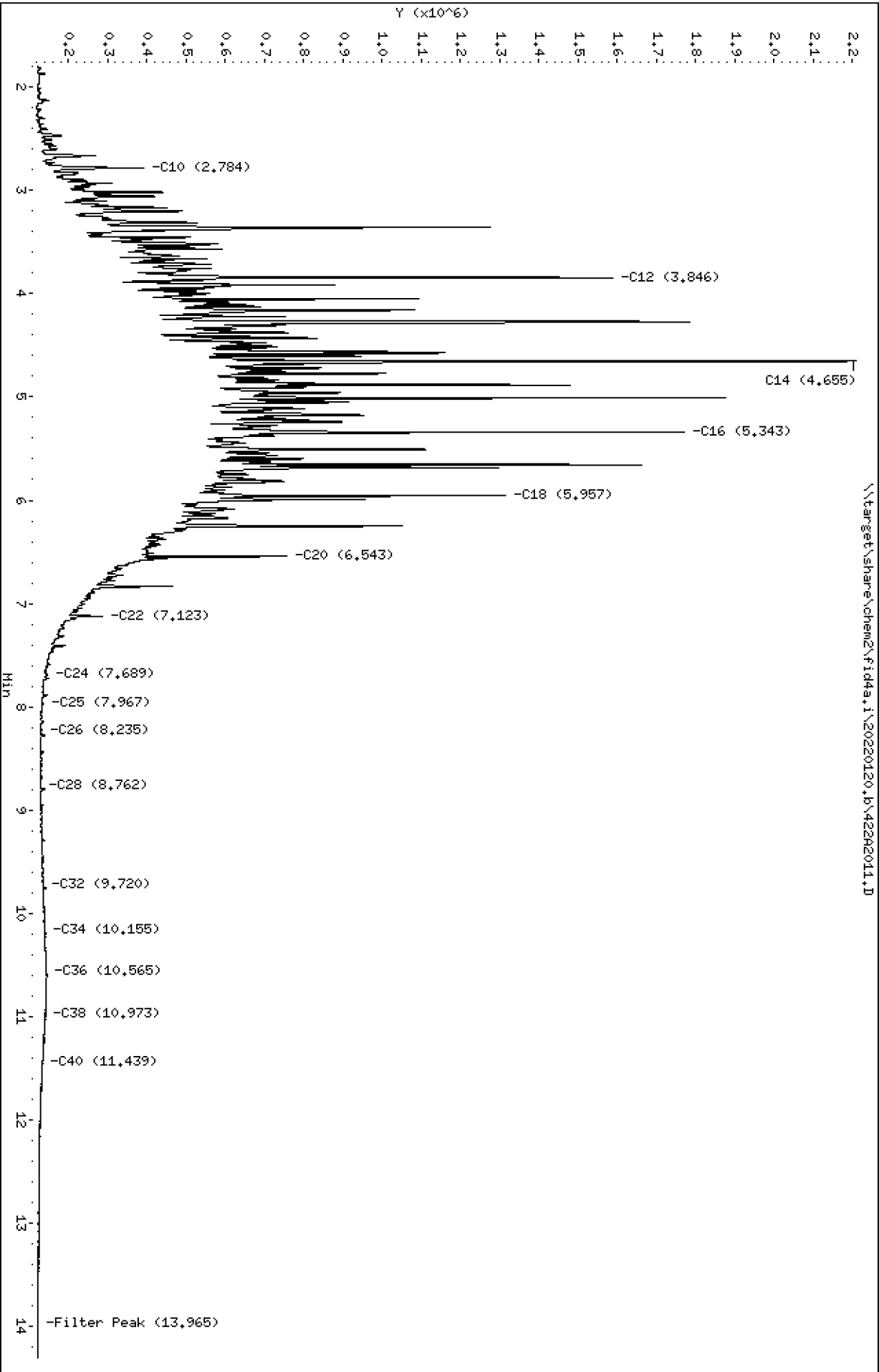
Lab ID:SEQ-ICV2



Data File: \\target\share\chem2\fid4a,1\20220120_b\42282011.D
Date: 20-JAN-2022 13:50
Client ID:
Sample Info: SKR0208-SCW1

Column phase: RTX-1

Instrument: fid4a,1
Operator: WLB
Column diameter: 0.25



Analytical Resources Inc.
TPH Quantitation Report

Data file: 20220120.b/422A2011.D
Method: 20220120.b\FID4TPH.m
Instrument: fid4a.i, VLB
Report Date: 02/09/2022
Macro: 09-SEP-2019
Calibration Dates: Gas:XX-XXX-XXXX Diesel:20-JAN-2022 M.Oil:06-JAN-2022

ARI ID: SKA0208-SCV1
Client ID:
Injection: 20-JAN-2022 13:50
Dilution Factor: 1
RT Std: 422A2003.D

FID:4A RESULTS

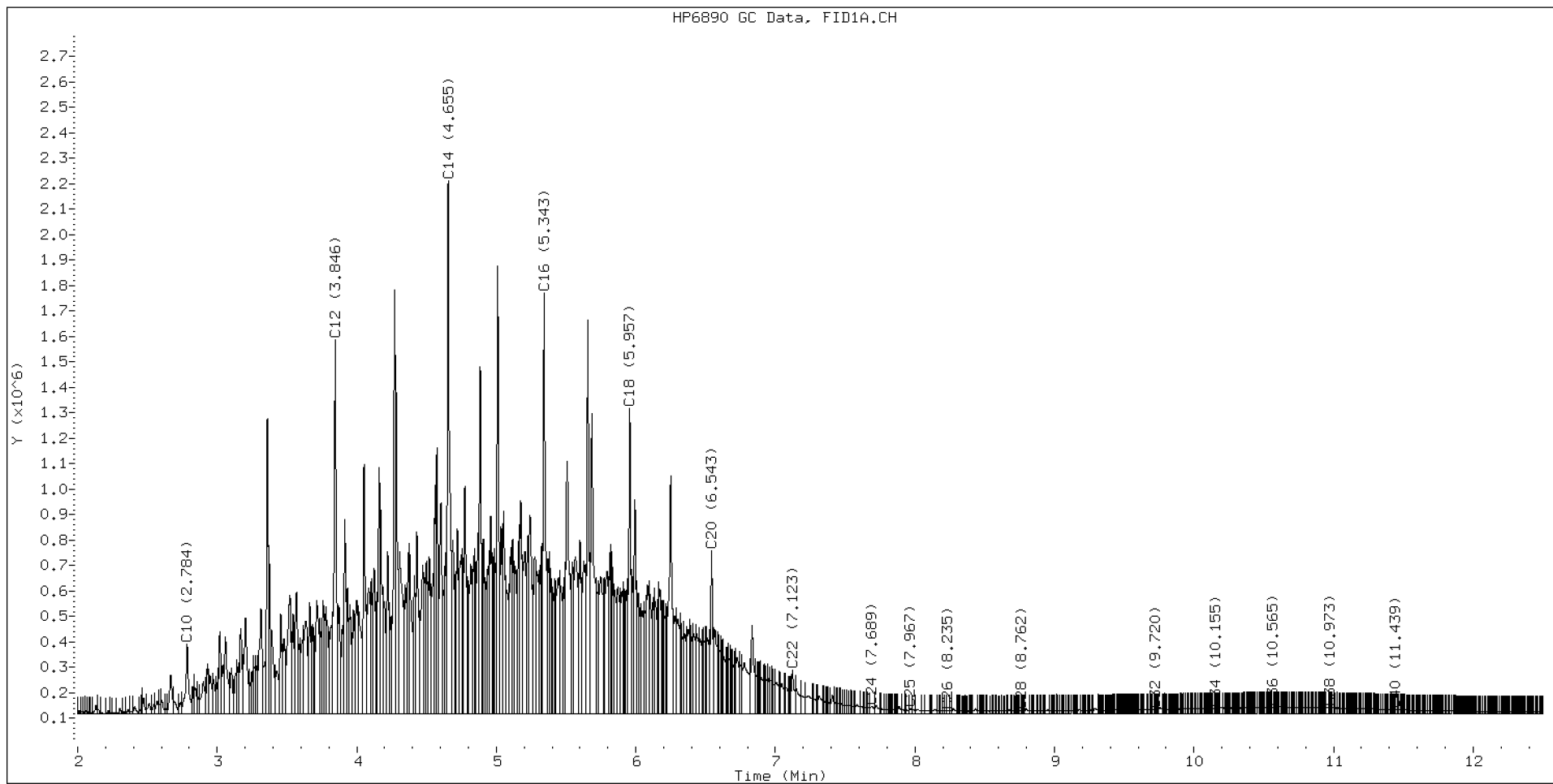
Compound	RT	Shift	Height	Area	Method	Range	Total Area	Conc (mg/L)
C8	1.544	0.001	18500	21377	WATPHD	(C12-C24)	91791980	578.6
C10	2.784	-0.003	274520	418072	WATPHM	(C24-C38)	3249567	24.5
C12	3.846	-0.002	1470041	1730655	AK102	(C10-C25)	109259392	577.9
C14	4.655	-0.002	2091691	2520186	AK103	(C25-C36)	2486512	25.1
C16	5.343	-0.002	1652289	1980684	OR.DIES	(C10-C28)	109898714	579.2
C18	5.957	-0.005	1198312	1177531				
C20	6.543	-0.006	639233	695730				
C22	7.123	-0.007	169547	241250				
C24	7.689	-0.007	28257	52637				
C25	7.967	-0.007	19233	25038				
C26	8.235	-0.009	12361	12259				
C28	8.762	-0.002	11738	2920				
C32	9.720	0.003	17524	10151				
C34	10.155	0.000	21103	7290				
Filter Peak	13.965	0.003	4638	1151				
C36	10.565	-0.003	24473	16973				
C38	10.973	-0.002	22520	6721				
C40	11.439	0.001	15551	3097				
o-terph	----							
Triacon Surr	----				NAS DIES	(C10-C24)	109074547	578.1

Range Times: NW Diesel(3.848 - 7.697) AK102(2.79 - 7.97) Jet A(2.79 - 5.96)
NW M.Oil(7.70 - 10.97) AK103(7.97 - 10.57) OR Diesel(2.79 - 8.76)

Surrogate	Area	Amount
o-Terphenyl	0	0.0
Triacontane	0	0.0

M Indicates the peak was manually integrated

Analyte	RF	Curve Date
o-Terph Surr	203634.1	
Triacon Surr	174221.0	
Gas	15000.0	XX-XXX-XXXX
Diesel	158638.4	20-JAN-2022
Motor Oil	132579.1	06-JAN-2022
AK102	189076.1	20-JAN-2022
AK103	98909.5	06-JAN-2022
OR Diesel	189743.0	20-JAN-2022
NAS Diesel	188673.2	20-JAN-2022



Data File: \\target\share\chem2\fid4a,1\20220303,b\42200323.D

Date: 03-MAR-2022 16:12

Client ID:

Sample Info: SEQ-CCV1

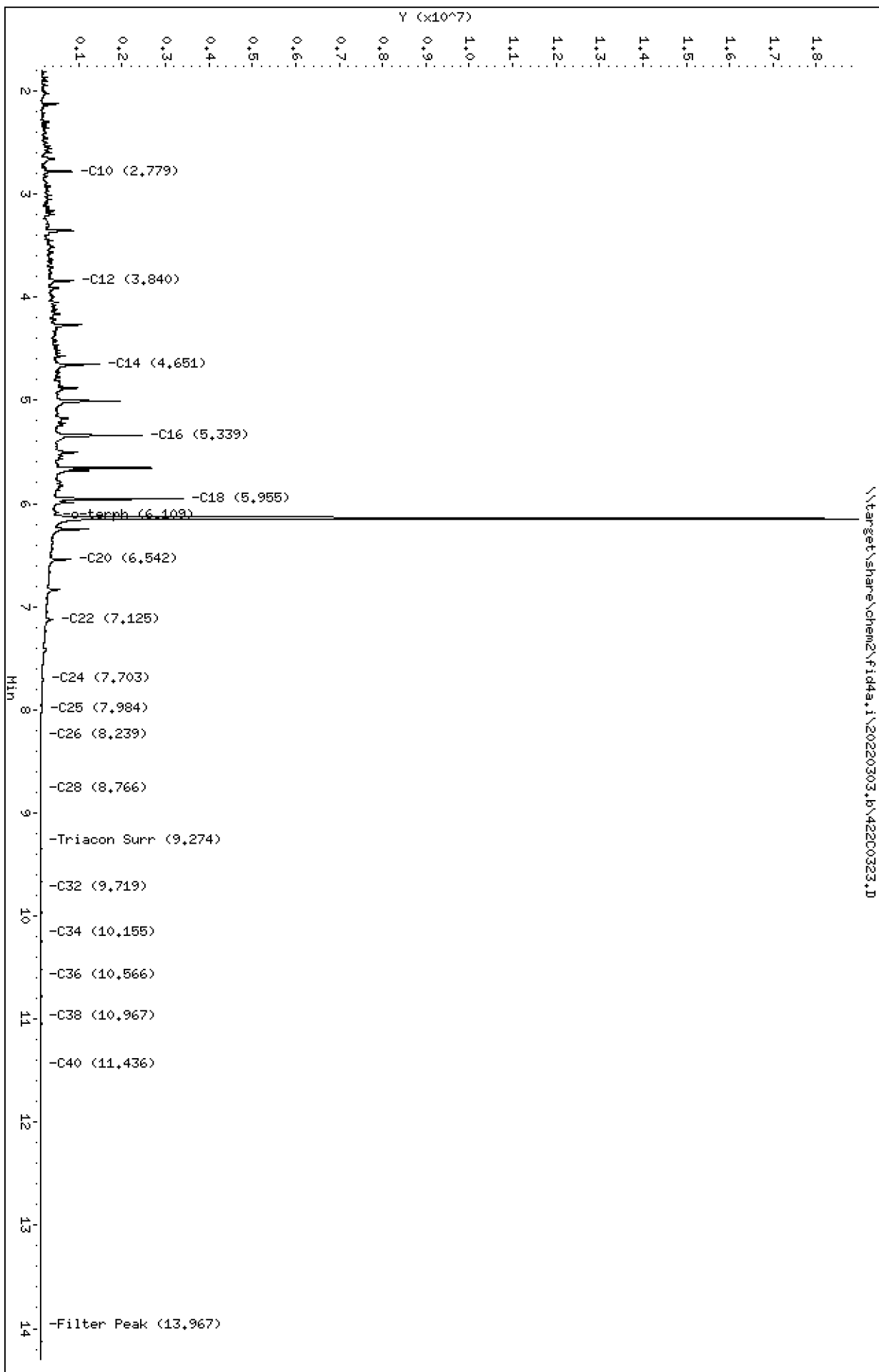
Column phase: RTX-1

Instrument: fid4a,1

Operator: CTO

Column diameter: 0.25

Page 1



Analytical Resources Inc.
TPH Quantitation Report

Data file: 20220303.b/422C0323.D
Method: 20220303.b\FID4TPH.m
Instrument: fid4a.i, CTO
Report Date: 03/04/2022
Macro: 09-SEP-2019
Calibration Dates: Gas:XX-XXX-XXXX Diesel:20-JAN-2022 M.Oil:06-JAN-2022

ARI ID: SEQ-CCV1
Client ID:
Injection: 03-MAR-2022 16:12
Dilution Factor: 1
RT Std: 422C0303.D

FID:4A RESULTS

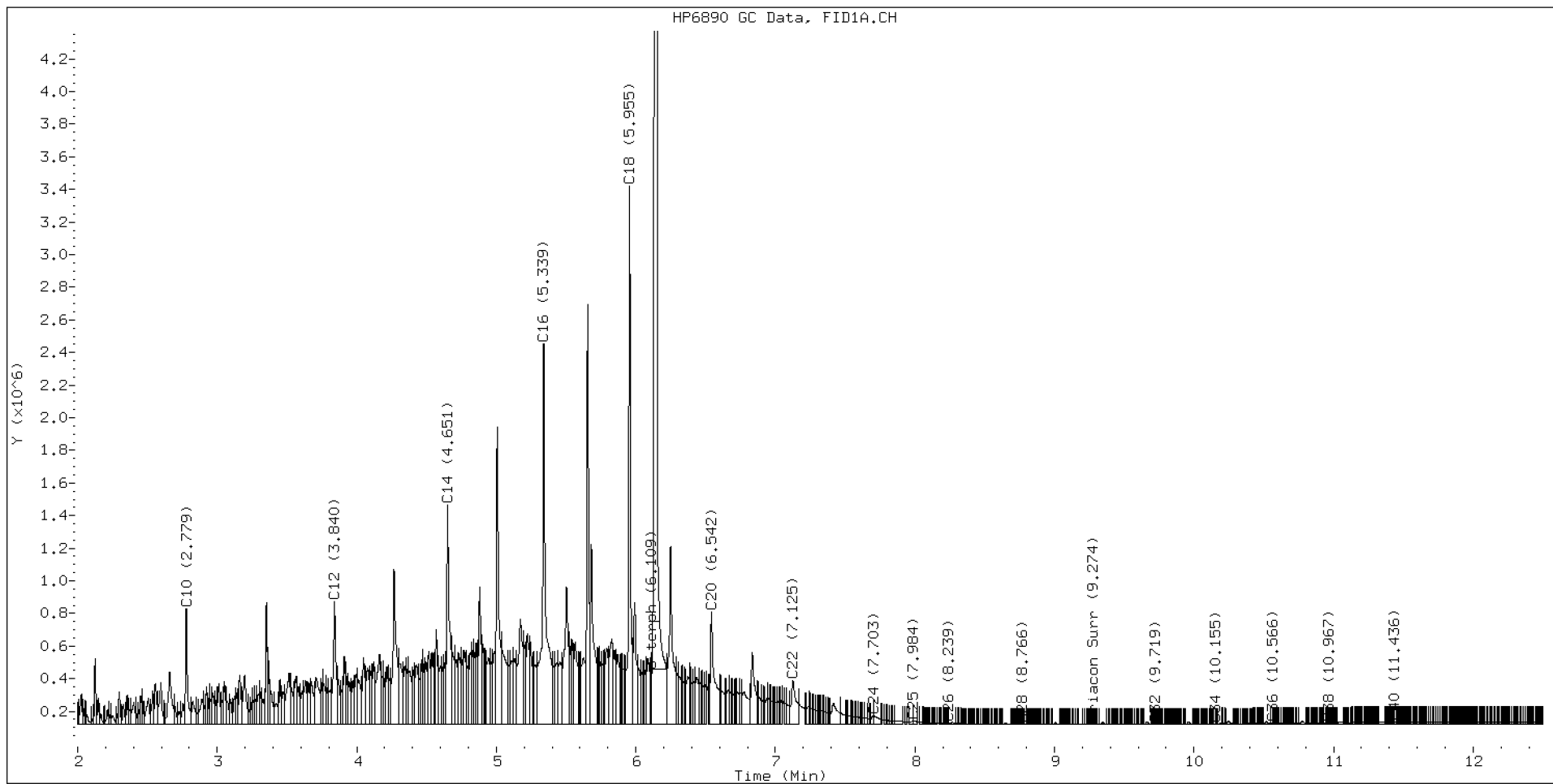
Compound	RT	Shift	Height	Area	Method	Range	Total Area	Conc (mg/L)
C8	1.544	0.001	101061	64044	WATPHD	(C12-C24)	75223938	474.2
C10	2.779	-0.003	712017	703394	WATPHM	(C24-C38)	1146293	8.6
C12	3.840	-0.003	753727	981302	AK102	(C10-C25)	88635375	468.8
C14	4.651	-0.003	1345154	1820575	AK103	(C25-C36)	690288	7.0
C16	5.339	-0.005	2334938	4396431	OR.DIES	(C10-C28)	88962387	468.9
C18	5.955	-0.004	3299927	3250066				
C20	6.542	-0.005	690150	1431634	JET-A	(C10-C18)	69745143	402.7
C22	7.125	-0.002	270108	638416				
C24	7.703	0.007	53940	60457				
C25	7.984	0.010	20712	29738				
C26	8.239	-0.003	6896	2396				
C28	8.766	0.005	1114	352				
C32	9.719	0.003	1689	562				
C34	10.155	0.001	3645	721				
Filter Peak	13.967	0.002	15093	3011				
C36	10.566	-0.001	7764	2683				
C38	10.967	-0.005	11331	6735				
C40	11.436	-0.001	13087	3258				
o-terph	6.148	-0.003	18507079	17692811				
Triacon Surr	9.274	-0.002	633	225	NAS DIES	(C10-C24)	88430474	468.7

Range Times: NW Diesel(3.843 - 7.696) AK102(2.78 - 7.97) Jet A(2.78 - 5.96)
NW M.Oil(7.70 - 10.97) AK103(7.97 - 10.57) OR Diesel(2.78 - 8.76)

Surrogate	Area	Amount
o-Terphenyl	17692811	86.9 M
Triacontane	225	0.0

M Indicates the peak was manually integrated

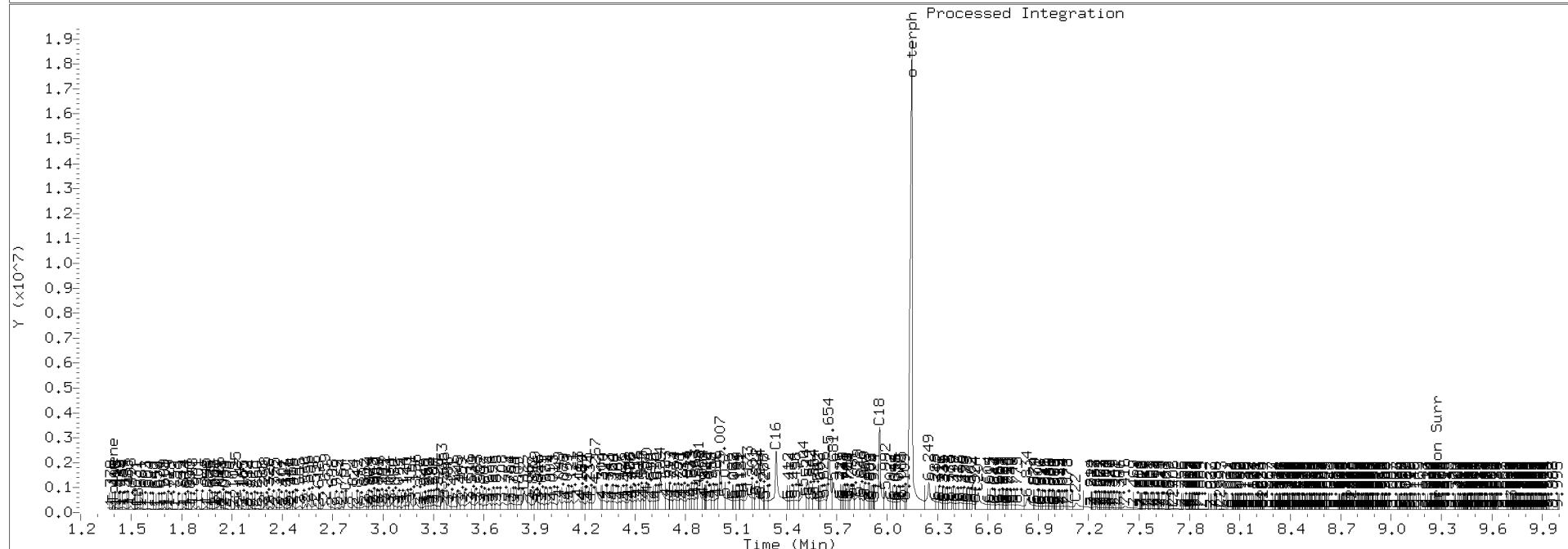
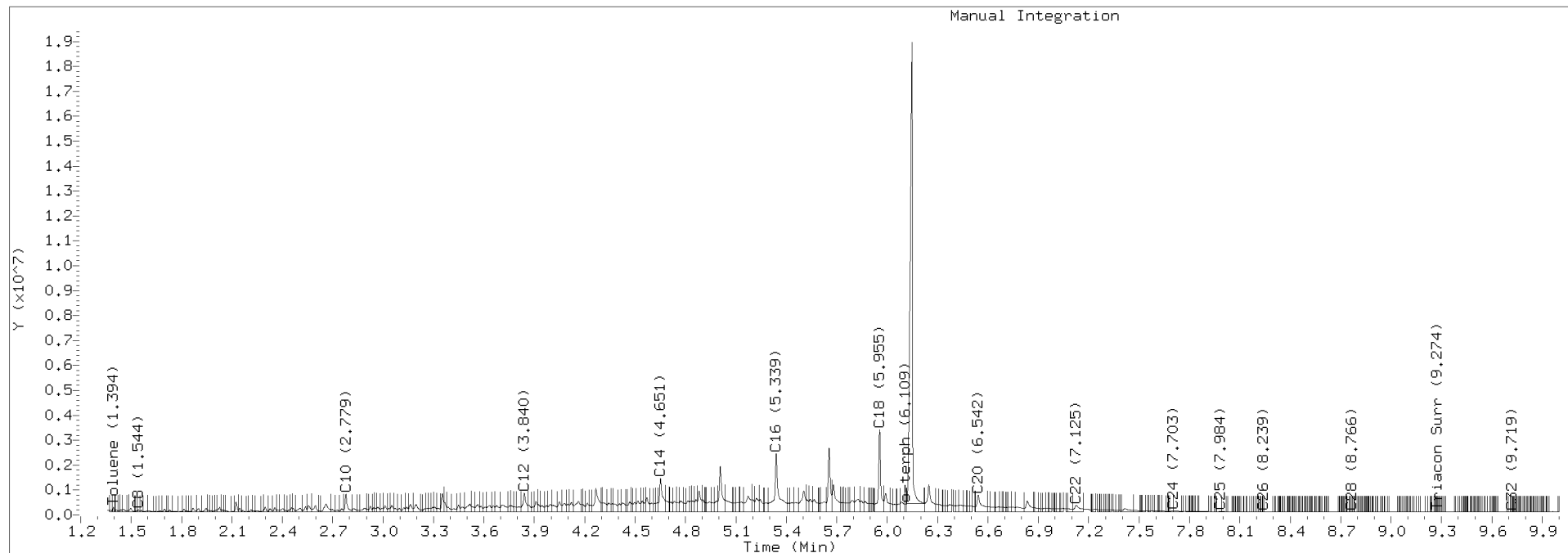
Analyte	RF	Curve Date
o-Terph Surr	203634.1	
Triacon Surr	174221.0	
Gas	15000.0	XX-XXX-XXXX
Diesel	158638.4	20-JAN-2022
Motor Oil	132579.1	06-JAN-2022
AK102	189076.1	20-JAN-2022
AK103	98909.5	06-JAN-2022
JetA	173192.9	03-MAR-2022
OR Diesel	189743.0	20-JAN-2022
NAS Diesel	188673.2	20-JAN-2022



TPH Manual Integrations Report

Datafile: FID4A, 20220303.b/422C0323.D Injection: 03-MAR-2022 16:12

Lab ID:SEQ-CCV1





CONTINUING CALIBRATION CHECK
NWTPH-Dx

Laboratory:	<u>Analytical Resources, LLC</u>	SDG:	<u>22G0019</u>
Client:	<u>GeoEngineers</u>	Project:	<u>RG Haley Site-Bellingham</u>
Instrument ID:	<u>FID4</u>	Calibration:	<u>FA00054</u>
Lab File ID:	<u>422D2129.D</u>	Calibration Date:	<u>01/31/2022</u>
Sequence:	<u>SKE0009</u>	Injection Date:	<u>04/22/22</u>
Lab Sample ID:	<u>SKE0009-CCV1</u>	Injection Time:	<u>01:26</u>
Sequence Name:	<u>DIESEL CCV</u>		

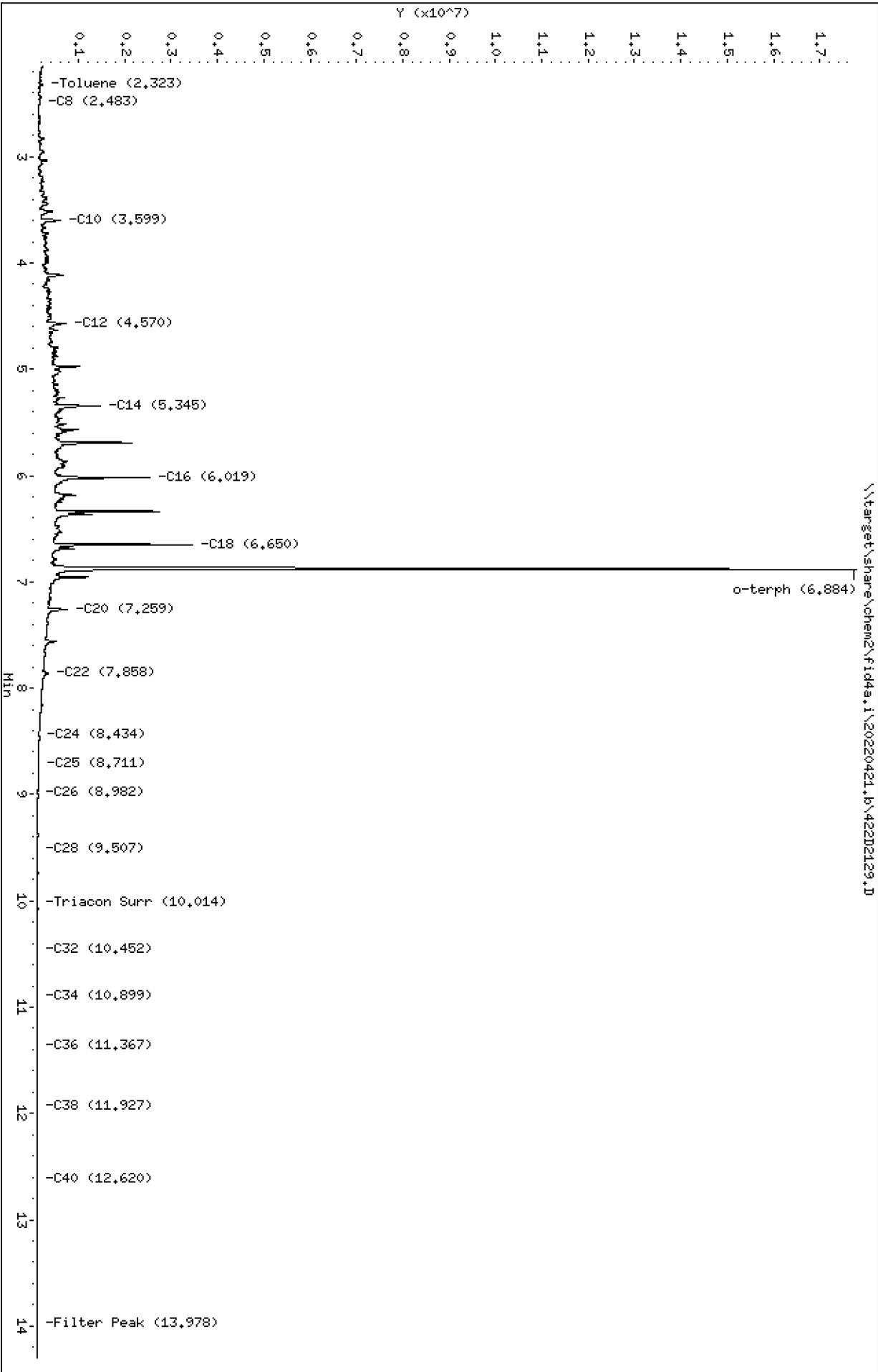
COMPOUND	TYPE	CONC. (mg/L)		RESPONSE FACTOR (RF)			% DRIFT/DIFF	
		STD	CCV	ICAL	CCV	MIN	CCV	LIMIT
Diesel Range Organics (C12-C24)	A	500.00	528	158638.4	167465.6		5.6	+/-15
o-Terphenyl	A	90.000	90.8	203634.1	205473.8		0.9	+/-15

* Values outside of QC limits

Data File: \\target\share\chem2\fid4a,1\20220421.b\422D2129.D
Date: 22-APR-2022 01:26
Client ID:
Sample Info: SEQ-CV1

Column phase: RTX-1

Instrument: fid4a,1
Operator: CTO
Column diameter: 0.25



Analytical Resources Inc.
TPH Quantitation Report

Data file: 20220421.b/422D2129.D
Method: 20220421.b\FID4TPH.m
Instrument: fid4a.i, CTO
Report Date: 05/02/2022
Macro: 09-SEP-2019
Calibration Dates: Gas:XX-XXX-XXXX Diesel:20-JAN-2022 M.Oil:06-JAN-2022

ARI ID: SEQ-CCV1
Client ID:
Injection: 22-APR-2022 01:26
Dilution Factor: 1
RT Std: 422D2103.D

FID:4A RESULTS

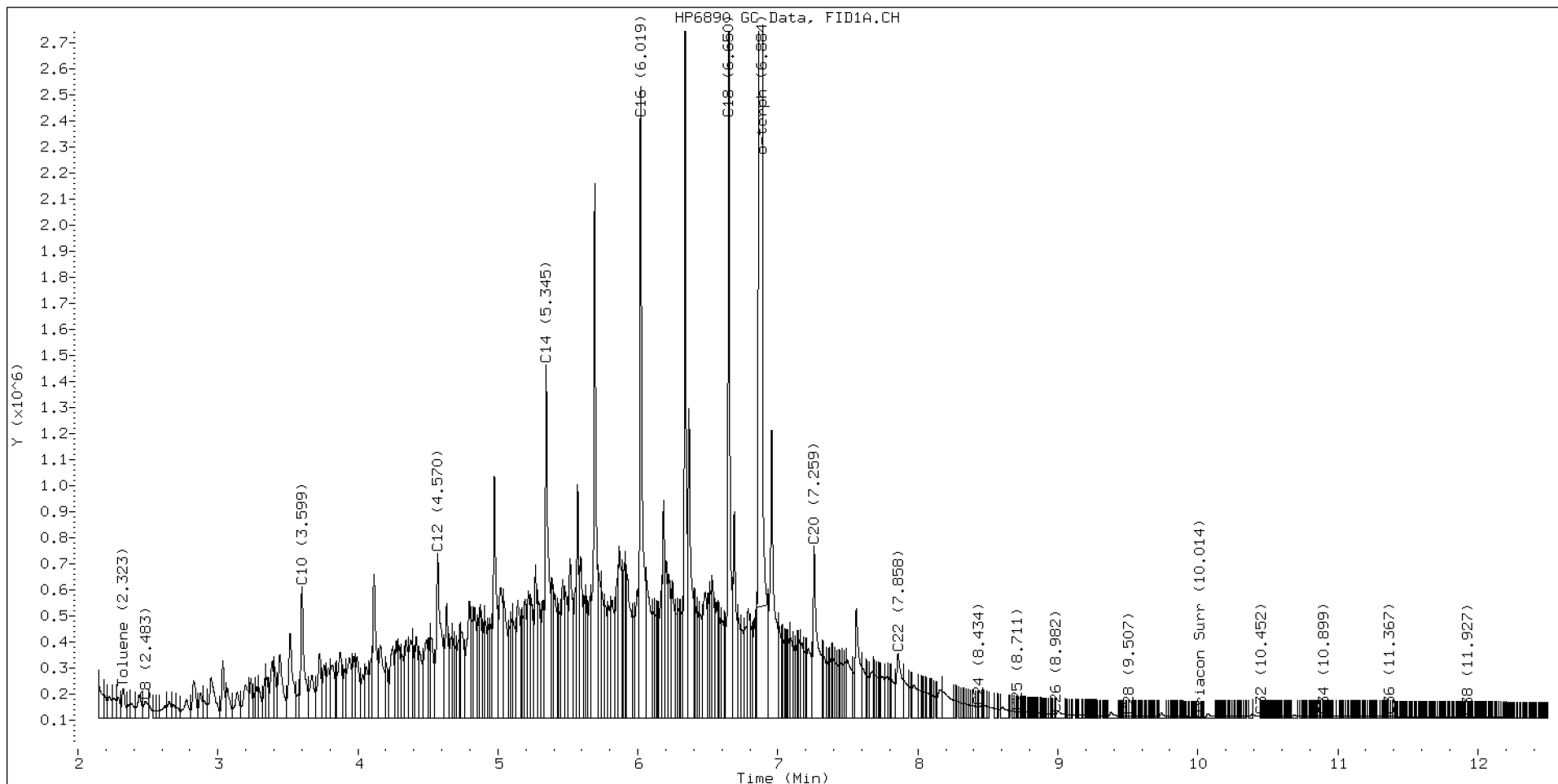
Compound	RT	Shift	Height	Area	Method	Range	Total Area	Conc (mg/L)
C8	2.483	-0.019	63471	144147	WATPHD	(C12-C24)	83732775	527.8
C10	3.599	-0.005	500882	865831	WATPHM	(C24-C38)	1663006	12.5
C12	4.570	-0.001	632715	1475343	AK102	(C10-C25)	98051393	518.6
C14	5.345	-0.002	1355685	2096608	AK103	(C25-C36)	1304480	13.2
C16	6.019	-0.002	2422129	3042389	OR.DIES	(C10-C28)	98699632	520.2
C18	6.650	-0.003	3358803	3314418				
C20	7.259	-0.003	659055	1432934	JET-A	(C10-C18)	76045004	439.1
C22	7.858	-0.001	247440	634538				
C24	8.434	-0.002	41983	12555				
C25	8.711	-0.003	23544	7012				
C26	8.982	-0.002	14402	5716				
C28	9.507	0.003	6936	1723				
C32	10.452	-0.002	6544	4185				
C34	10.899	0.005	5926	2346				
Filter Peak	13.978	0.000	473	183	BUNKERC	(C10-C38)	99475020	1673.6
C36	11.367	-0.001	5449	2673				
C38	11.927	0.005	2582	1501				
C40	12.620	-0.003	422	159				
o-terph	6.884	-0.004	17257552	18492643				
Triacon Surr	10.014	-0.004	5154	3519	NAS DIES	(C10-C24)	97812014	518.4

Range Times: NW Diesel(4.571 - 8.436) AK102(3.60 - 8.71) Jet A(3.60 - 6.65)
NW M.Oil(8.44 - 11.92) AK103(8.71 - 11.37) OR Diesel(3.60 - 9.50)

Surrogate	Area	Amount
o-Terphenyl	18492643	90.8 M
Triacontane	3519	0.0

M Indicates the peak was manually integrated

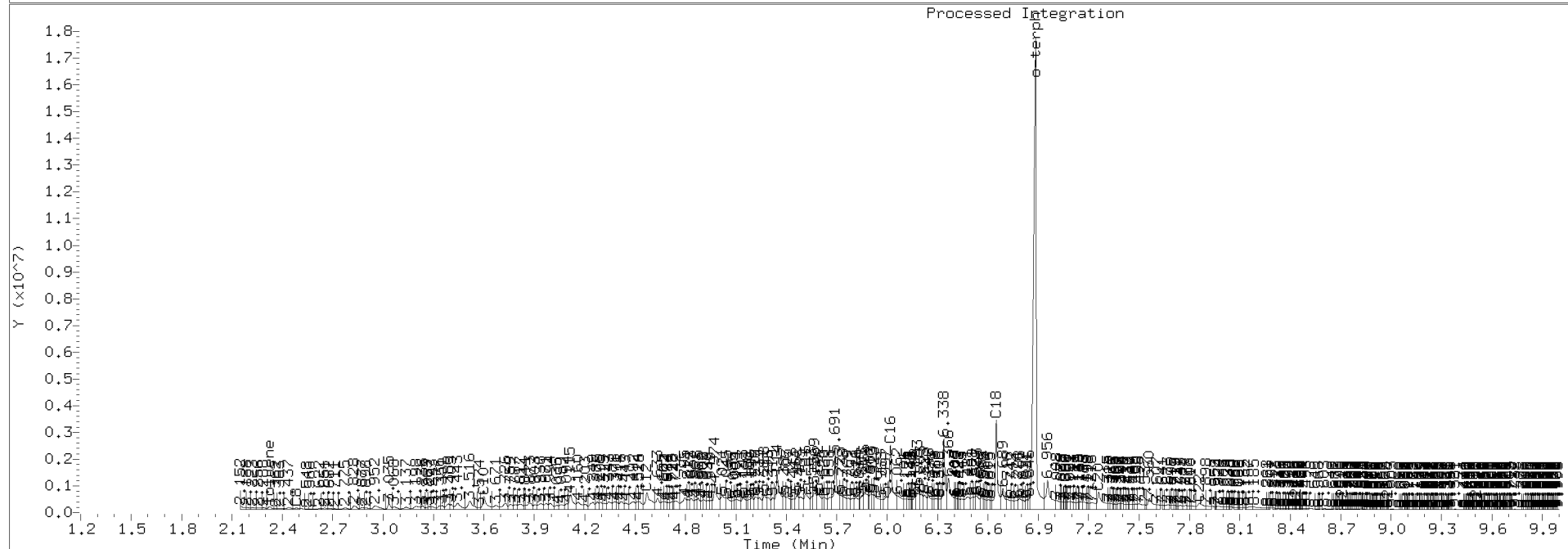
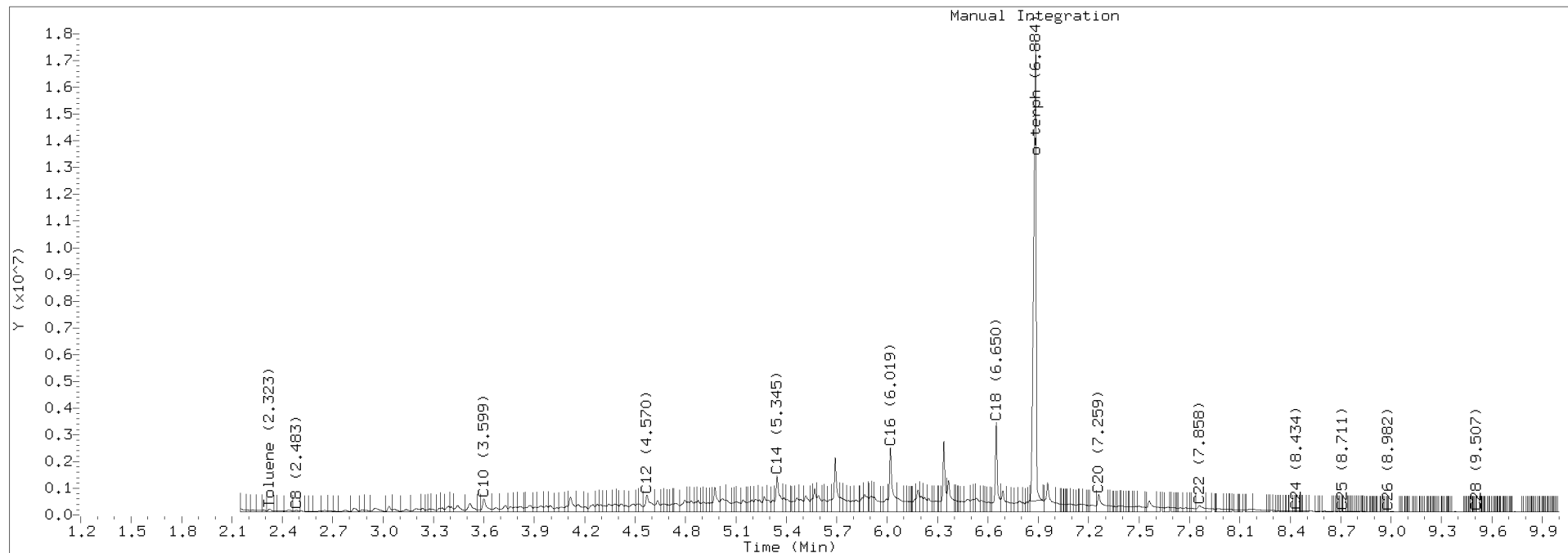
Analyte	RF	Curve Date
o-Terph Surr	203634.1	
Triacon Surr	174221.0	
Gas	15000.0	XX-XXX-XXXX
Diesel	158638.4	20-JAN-2022
Motor Oil	132579.1	06-JAN-2022
AK102	189076.1	20-JAN-2022
AK103	98909.5	06-JAN-2022
JetA	173192.9	03-MAR-2022
OR Diesel	189743.0	20-JAN-2022
NAS Diesel	188673.2	20-JAN-2022
Bunker C	59438.6	21-APR-2022



TPH Manual Integrations Report

Datafile: FID4A, 20220421.b/422D2129.D Injection: 22-APR-2022 01:26

Lab ID:SEQ-CCV1





CONTINUING CALIBRATION CHECK
NWTPH-Dx

Laboratory:	<u>Analytical Resources, LLC</u>	SDG:	<u>22G0019</u>
Client:	<u>GeoEngineers</u>	Project:	<u>RG Haley Site-Bellingham</u>
Instrument ID:	<u>FID4</u>	Calibration:	<u>FA00054</u>
Lab File ID:	<u>422G1322.D</u>	Calibration Date:	<u>01/31/2022</u>
Sequence:	<u>SKG0164</u>	Injection Date:	<u>07/13/22</u>
Lab Sample ID:	<u>SKG0164-CCV1</u>	Injection Time:	<u>19:46</u>
Sequence Name:	<u>DIESEL CCV</u>		

COMPOUND	TYPE	CONC. (mg/L)		RESPONSE FACTOR (RF)			% DRIFT/DIFF	
		STD	CCV	ICAL	CCV	MIN	CCV	LIMIT
Diesel Range Organics (C12-C24)	A	500.00	532	158638.4	168783.6		6.4	+/-15
o-Terphenyl	A	90.000	96.7	203634.1	218697		7.4	+/-15

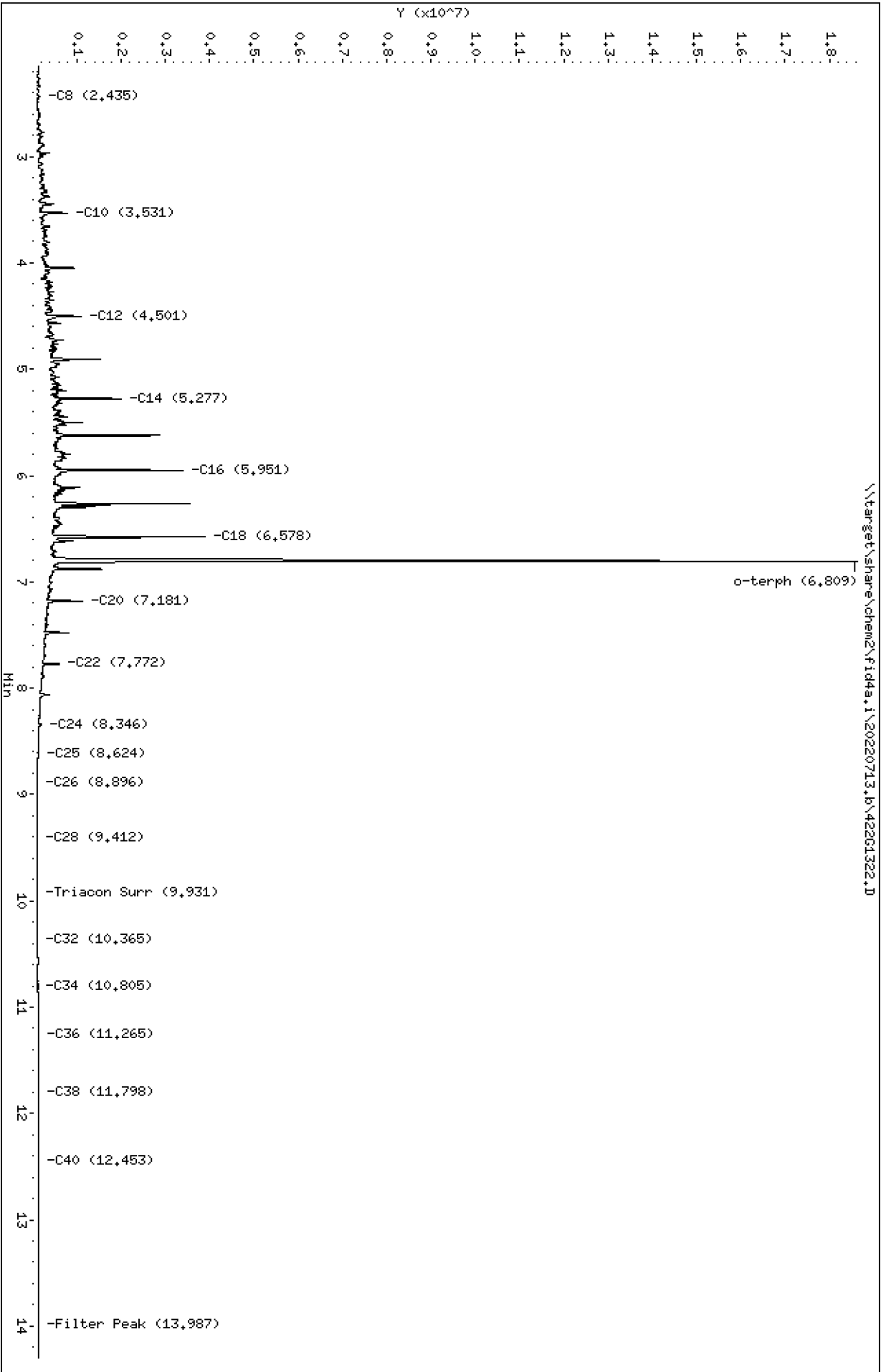
* Values outside of QC limits

* Values outside of QC limits

Data File: \\target\share\chem2\fid4a,1\20220713,8\42261322.D
Date: 13-JUL-2022 19:46
Client ID:
Sample Info: SEQ-CCV1

Column phase: RTX-1

Instrument: fid4a,1
Operator: AA/JGR
Column diameter: 0.25



Analytical Resources Inc.
TPH Quantitation Report

Data file: 20220713.b/422G1322.D
Method: 20220713.b\FID4TPH.m
Instrument: fid4a.i, AA/JGR
Report Date: 07/14/2022
Macro: 09-SEP-2019
Calibration Dates: Gas:XX-XXX-XXXX Diesel:20-JAN-2022 M.Oil:06-JAN-2022

ARI ID: SEQ-CCV1
Client ID:
Injection: 13-JUL-2022 19:46
Dilution Factor: 1
RT Std: 422G1303.D

FID:4A RESULTS

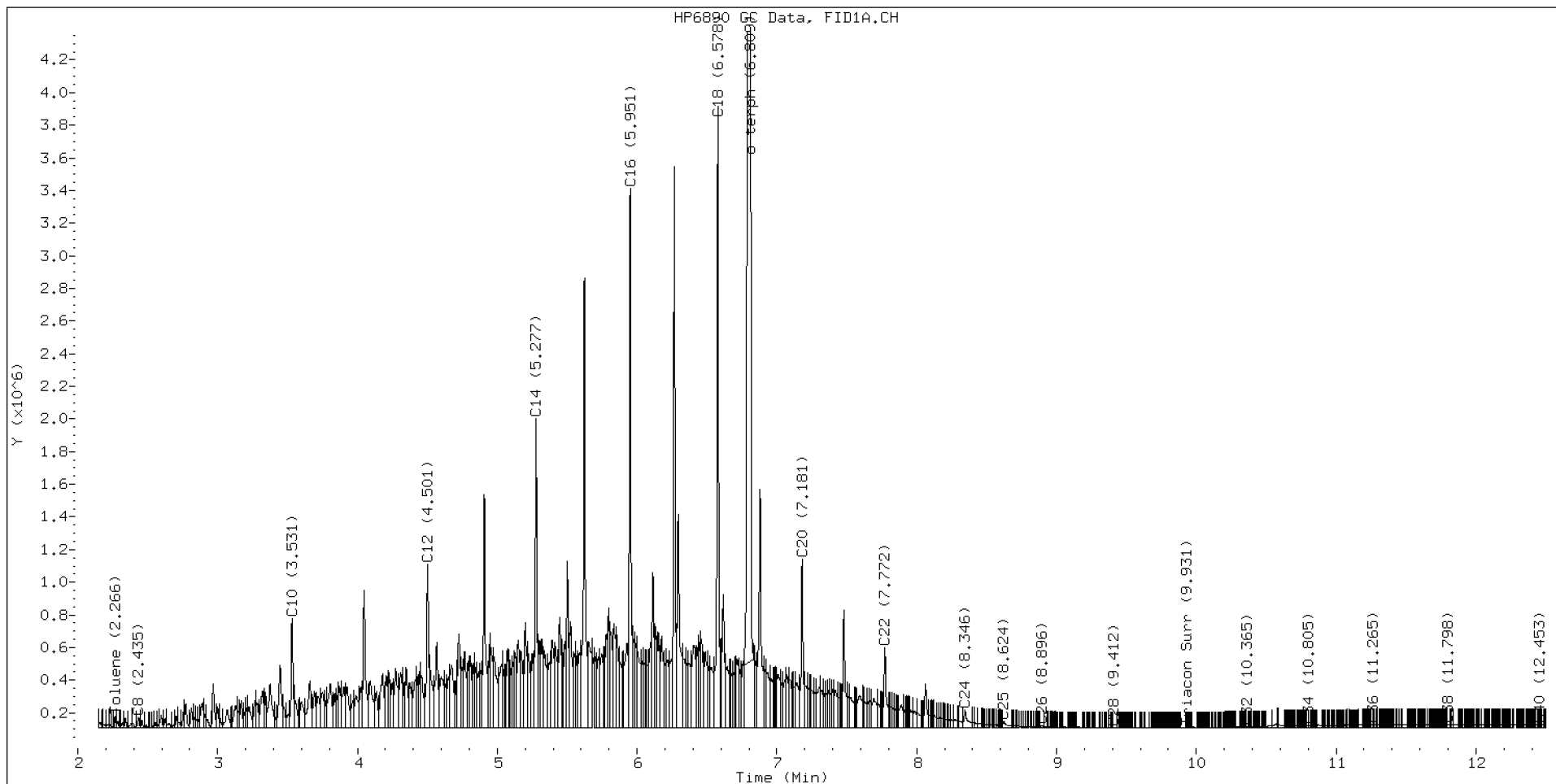
Compound	RT	Shift	Height	Area	Method	Range	Total Area	Conc (mg/L)
C8	2.435	-0.007	67195	60695	WATPHD	(C12-C24)	84391823	532.0
C10	3.531	-0.004	671399	643288	WATPHM	(C24-C38)	2174138	16.4
C12	4.501	-0.003	1005320	1089642	AK102	(C10-C25)	98923315	523.2
C14	5.277	-0.003	1896817	1650584	AK103	(C25-C36)	1317101	13.3
C16	5.951	-0.003	3303782	2665873	OR.DIES	(C10-C28)	99243320	523.0
C18	6.578	-0.002	3808307	3366899				
C20	7.181	-0.006	1033192	1048581	JET-A	(C10-C18)	76471118	441.5
C22	7.772	-0.008	491510	627271				
C24	8.346	-0.006	108365	200523				
C25	8.624	-0.006	38825	84173				
C26	8.896	-0.005	14469	17636				
C28	9.412	-0.006	1733	1962				
C32	10.365	-0.003	7620	4119				
C34	10.805	0.002	15464	2312				
Filter Peak	13.987	0.004	22508	10079				
C36	11.265	0.002	19310	5774				
C38	11.798	0.002	22071	22751				
C40	12.453	-0.002	22762	7939				
o-terph	6.809	-0.000	18122173	19682732				
Triacon Surr	9.931	-0.000	2241	648	NAS DIES	(C10-C24)	98708330	523.2

Range Times: NW Diesel(4.505 - 8.352) AK102(3.54 - 8.63) Jet A(3.54 - 6.58)
NW M.Oil(8.35 - 11.80) AK103(8.63 - 11.26) OR Diesel(3.54 - 9.42)

Surrogate	Area	Amount
o-Terphenyl	19682732	96.7 M
Triacontane	648	0.0

M Indicates the peak was manually integrated

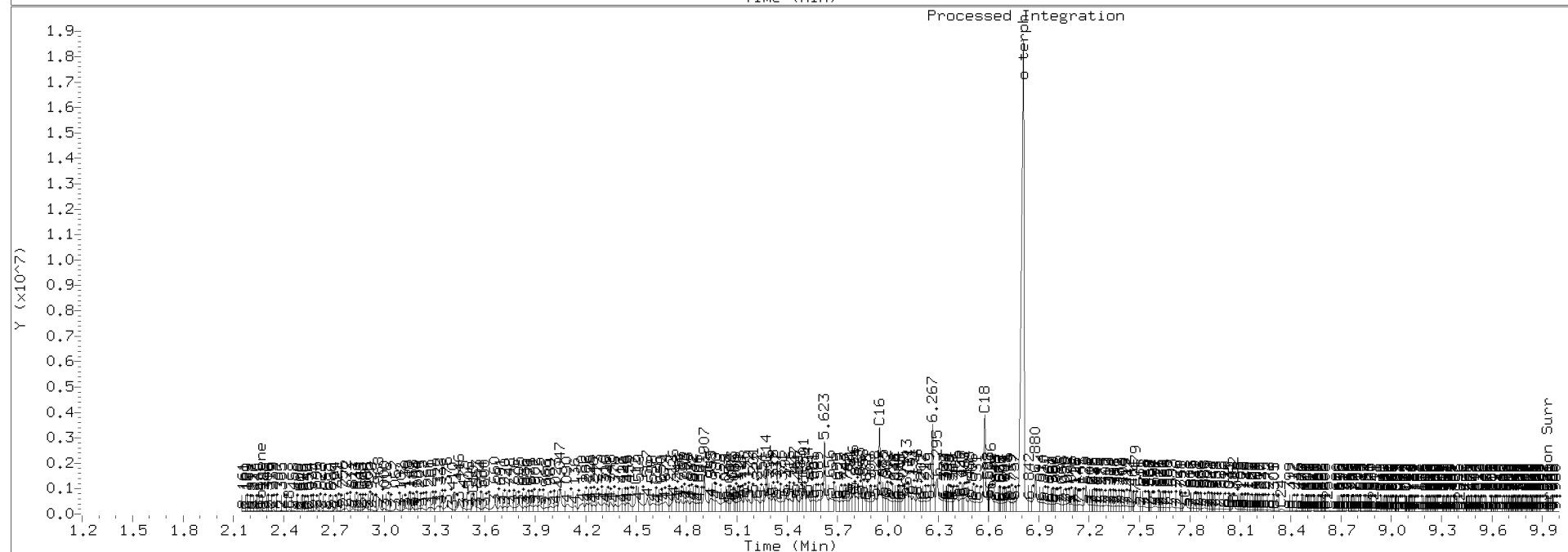
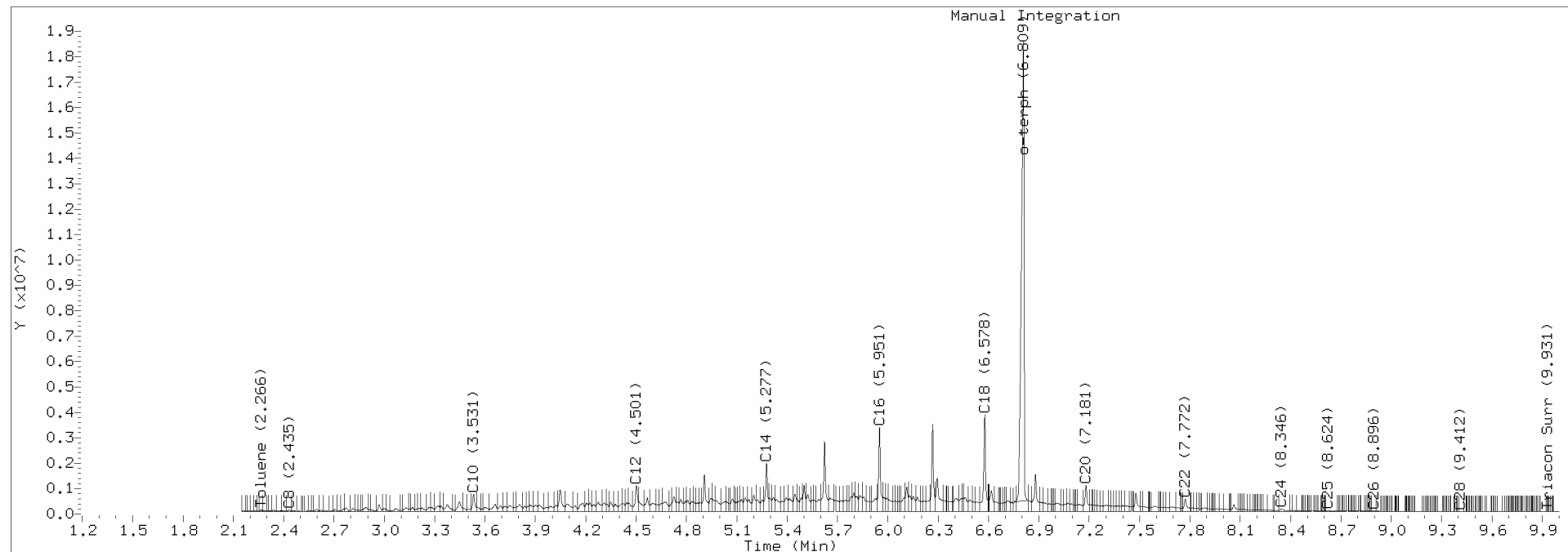
Analyte	RF	Curve Date
o-Terph Surr	203634.1	
Triacon Surr	174221.0	
Gas	15000.0	XX-XXX-XXXX
Diesel	158638.4	20-JAN-2022
Motor Oil	132579.1	06-JAN-2022
AK102	189076.1	20-JAN-2022
AK103	98909.5	06-JAN-2022
JetA	173192.9	03-MAR-2022
OR Diesel	189743.0	20-JAN-2022
NAS Diesel	188673.2	20-JAN-2022



TPH Manual Integrations Report

Datafile: FID4A, 20220713.b/422G1322.D Injection: 13-JUL-2022 19:46

Lab ID:SEQ-CCV1





CONTINUING CALIBRATION CHECK
NWTPH-Dx

Laboratory:	<u>Analytical Resources, LLC</u>	SDG:	<u>22G0019</u>
Client:	<u>GeoEngineers</u>	Project:	<u>RG Haley Site-Bellingham</u>
Instrument ID:	<u>FID4</u>	Calibration:	<u>FA00054</u>
Lab File ID:	<u>422G1323.D</u>	Calibration Date:	<u>01/31/2022</u>
Sequence:	<u>SKG0164</u>	Injection Date:	<u>07/13/22</u>
Lab Sample ID:	<u>SKG0164-CCV2</u>	Injection Time:	<u>20:06</u>
Sequence Name:	<u>MOIL CCV</u>		

COMPOUND	TYPE	CONC. (mg/L)		RESPONSE FACTOR (RF)			% DRIFT/DIFF	
		STD	CCV	ICAL	CCV	MIN	CCV	LIMIT
Motor Oil Range Organics (C24-C38)	A	1000.0	949	132579.1	125766.1		-5.1	+/-15

* Values outside of QC limits

Data File: \\target\share\chem2\fid4a,1\20220713,8\42261323.D
Date: 13-JUL-2022 20:06

Client ID:

Sample Info: SEQ-OCV2

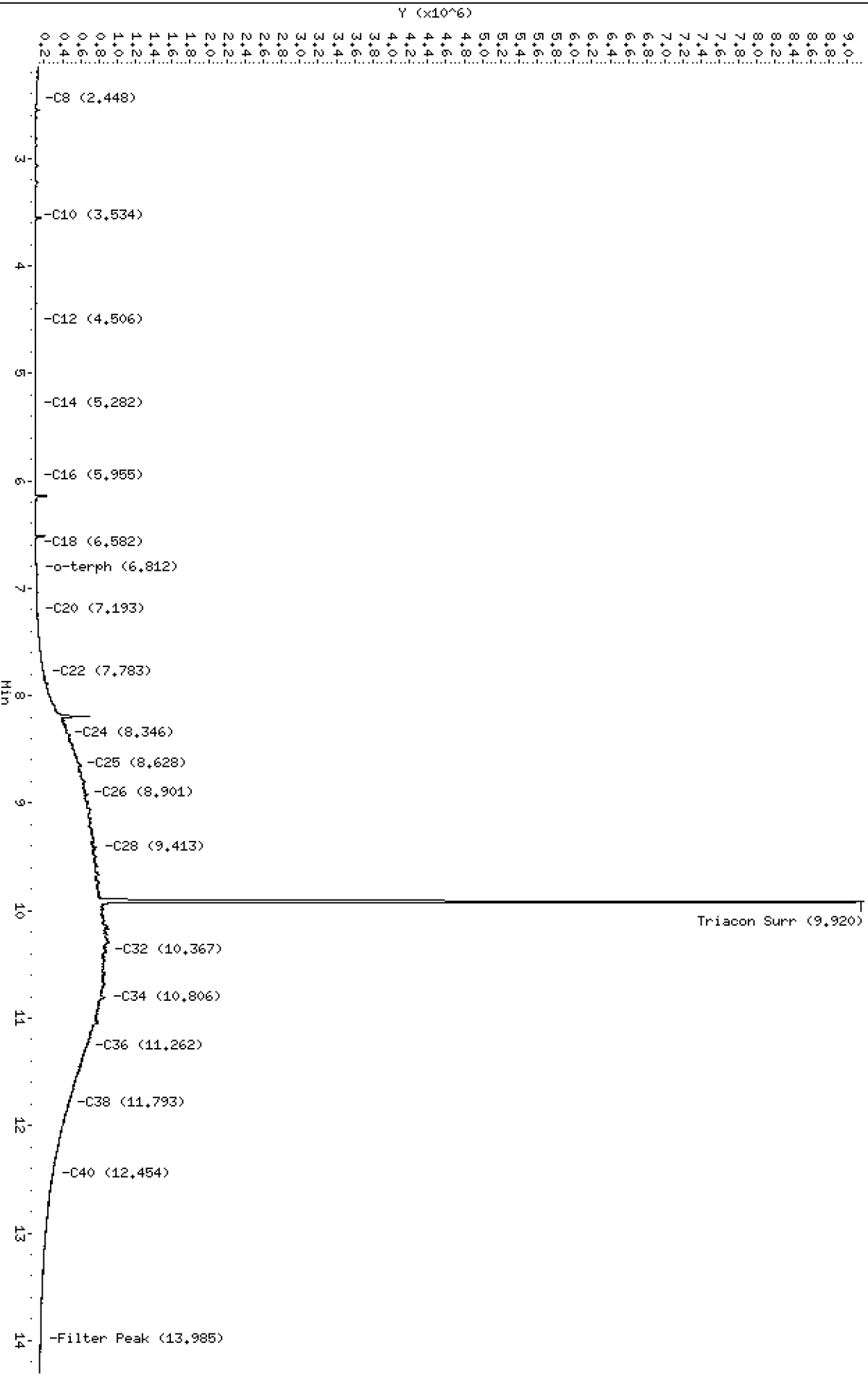
Column phase: RTX-1

Instrument: fid4a,1

Operator: AA/JGR

Column diameter: 0.25

\\target\share\chem2\fid4a,1\20220713,8\42261323.D



Analytical Resources Inc.
TPH Quantitation Report

Data file: 20220713.b/422G1323.D
Method: 20220713.b\FID4TPH.m
Instrument: fid4a.i, AA/JGR
Report Date: 07/14/2022
Macro: 09-SEP-2019
Calibration Dates: Gas:XX-XXX-XXXX Diesel:20-JAN-2022 M.Oil:06-JAN-2022

ARI ID: SEQ-CCV2
Client ID:
Injection: 13-JUL-2022 20:06
Dilution Factor: 1
RT Std: 422G1303.D

FID:4A RESULTS

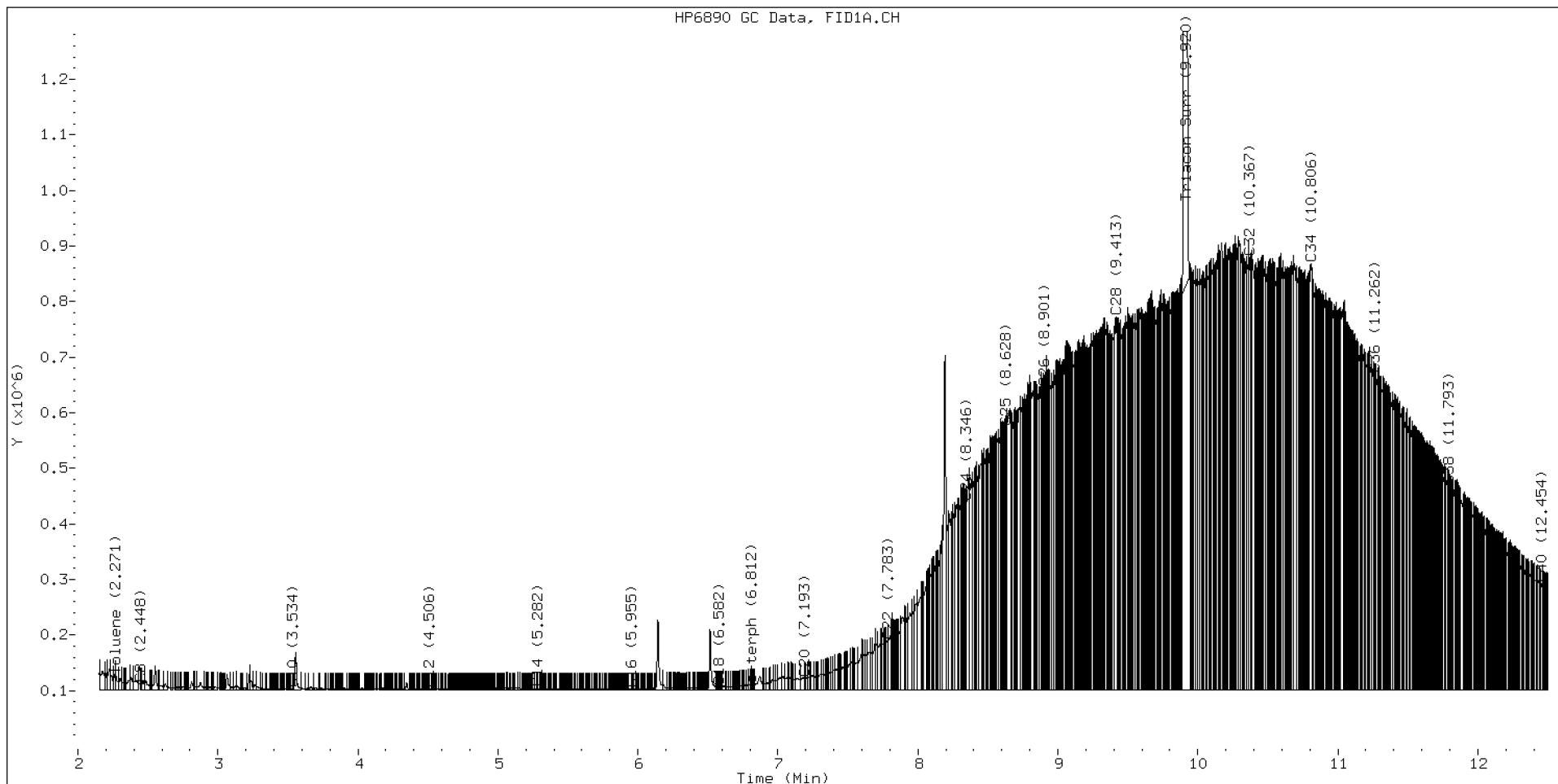
Compound	RT	Shift	Height	Area	Method	Range	Total Area	Conc (mg/L)
C8	2.448	0.006	10412	7164	WATPHD	(C12-C24)	10705762	67.5
C10	3.534	-0.001	1102	339	WATPHM	(C24-C38)	125766066	948.6
C12	4.506	0.001	838	210	AK102	(C10-C25)	15147698	80.1
C14	5.282	0.001	1953	971	AK103	(C25-C36)	107281537	1084.6
C16	5.955	0.002	1516	495	OR.DIES	(C10-C28)	45176748	238.1
C18	6.582	0.002	4736	1161				
C20	7.193	0.007	20290	14017	JET-A	(C10-C18)	499795	2.9
C22	7.783	0.003	87151	64482				
C24	8.346	-0.006	337506	67439				
C25	8.628	-0.001	471780	187307				
C26	8.901	0.000	543836	162516				
C28	9.413	-0.005	670195	875267				
C32	10.367	-0.001	776913	458261				
C34	10.806	0.004	766772	1047415				
Filter Peak	13.985	0.002	55354	38479				
C36	11.262	-0.001	567034	197436				
C38	11.793	-0.002	367309	145330				
C40	12.454	-0.001	190492	141045				
o-terph	6.812	0.003	8385	5261				
Triacon Surr	9.920	-0.011	8345806	8209523	NAS DIES	(C10-C24)	10814888	57.3

Range Times: NW Diesel(4.505 - 8.352) AK102(3.54 - 8.63) Jet A(3.54 - 6.58)
NW M.Oil(8.35 - 11.80) AK103(8.63 - 11.26) OR Diesel(3.54 - 9.42)

Surrogate	Area	Amount
o-Terphenyl	5261	0.0
Triacotane	8209523	47.1 M

M Indicates the peak was manually integrated

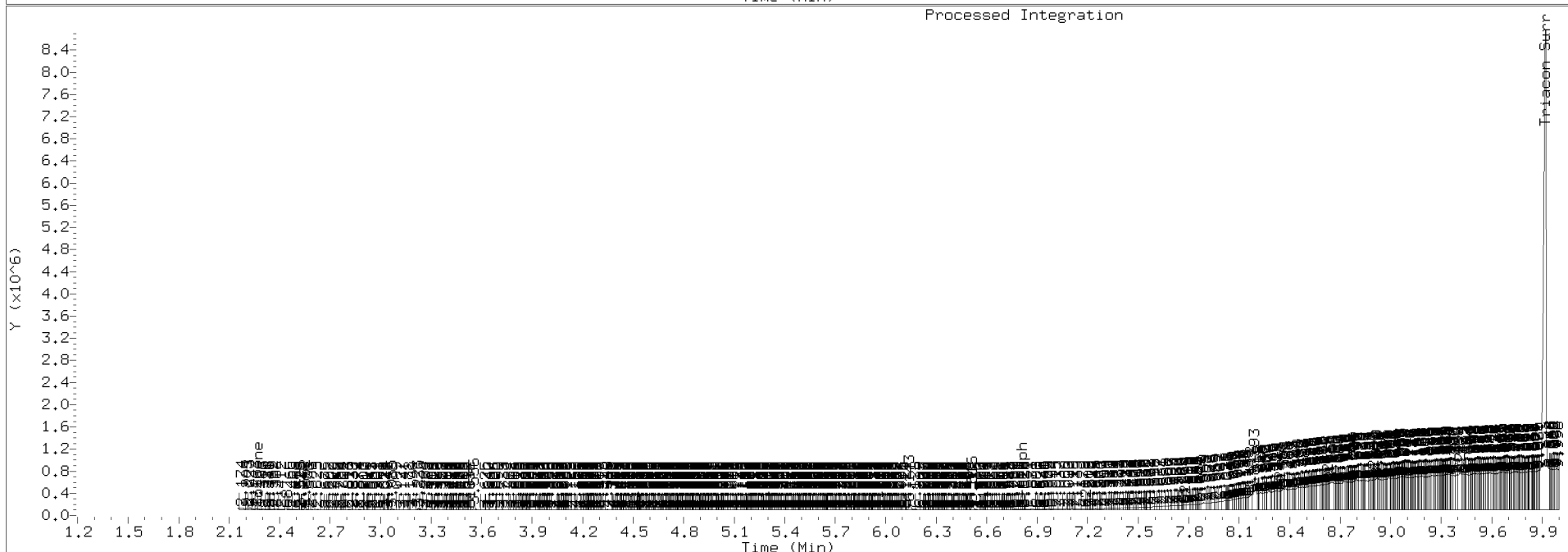
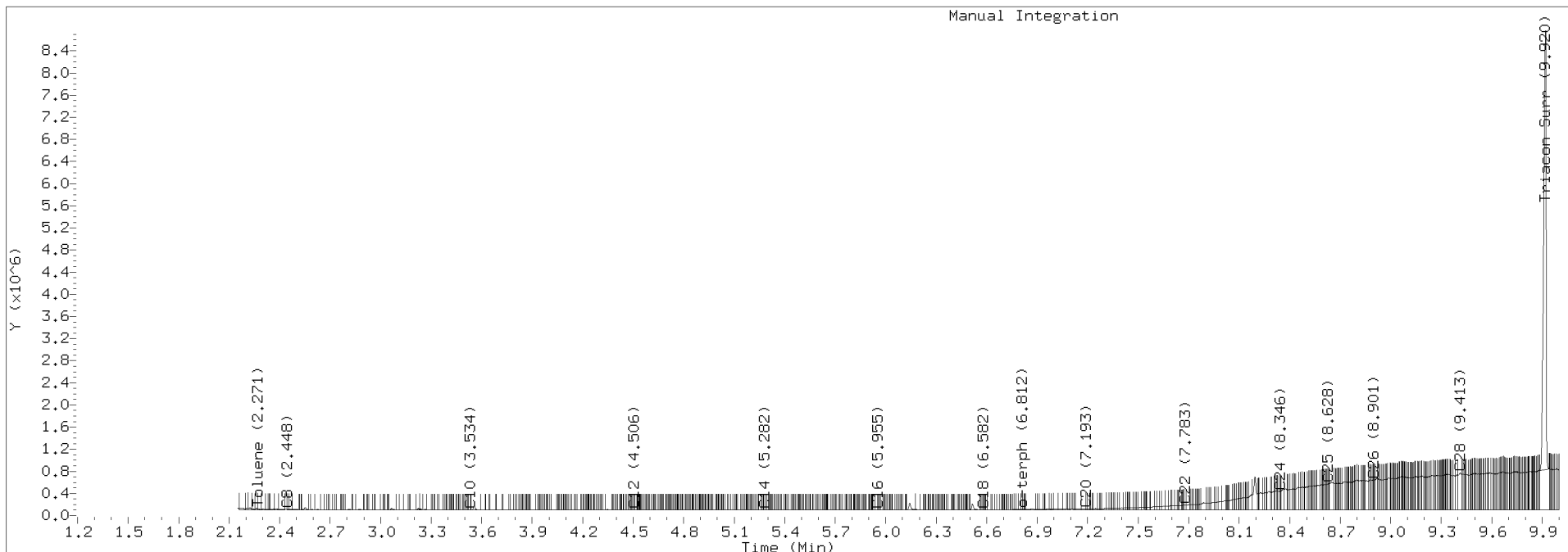
Analyte	RF	Curve Date
o-Terph Surr	203634.1	
Triacon Surr	174221.0	
Gas	15000.0	XX-XXX-XXXX
Diesel	158638.4	20-JAN-2022
Motor Oil	132579.1	06-JAN-2022
AK102	189076.1	20-JAN-2022
AK103	98909.5	06-JAN-2022
JetA	173192.9	03-MAR-2022
OR Diesel	189743.0	20-JAN-2022
NAS Diesel	188673.2	20-JAN-2022



TPH Manual Integrations Report

Datafile: FID4A, 20220713.b/422G1323.D Injection: 13-JUL-2022 20:06

Lab ID:SEQ-CCV2





CONTINUING CALIBRATION CHECK NWTPH-Dx

Laboratory: Analytical Resources, LLC SDG: 22G0019
Client: GeoEngineers Project: RG Haley Site-Bellingham
Instrument ID: FID4 Calibration: FA00054
Lab File ID: 422G1337.D Calibration Date: 01/31/2022
Sequence: SKG0164 Injection Date: 07/14/22
Lab Sample ID: SKG0164-CCV3 Injection Time: 00:45
Sequence Name: DIESEL CCV

COMPOUND	TYPE	CONC. (mg/L)		RESPONSE FACTOR (RF)			% DRIFT/DIFF	
		STD	CCV	ICAL	CCV	MIN	CCV	LIMIT
Diesel Range Organics (C12-C24)	A	500.00	531	158638.4	168400.1		6.2	+/-15
o-Terphenyl	A	90.000	97.4	203634.1	220269.8		8.2	+/-15

* Values outside of QC limits

Data File: \\target\share\chem2\fid4a,1\20220713,8\42261337.D
Date: 14-JUL-2022 00:45

Client ID:

Sample Info: SEQ-CCV3

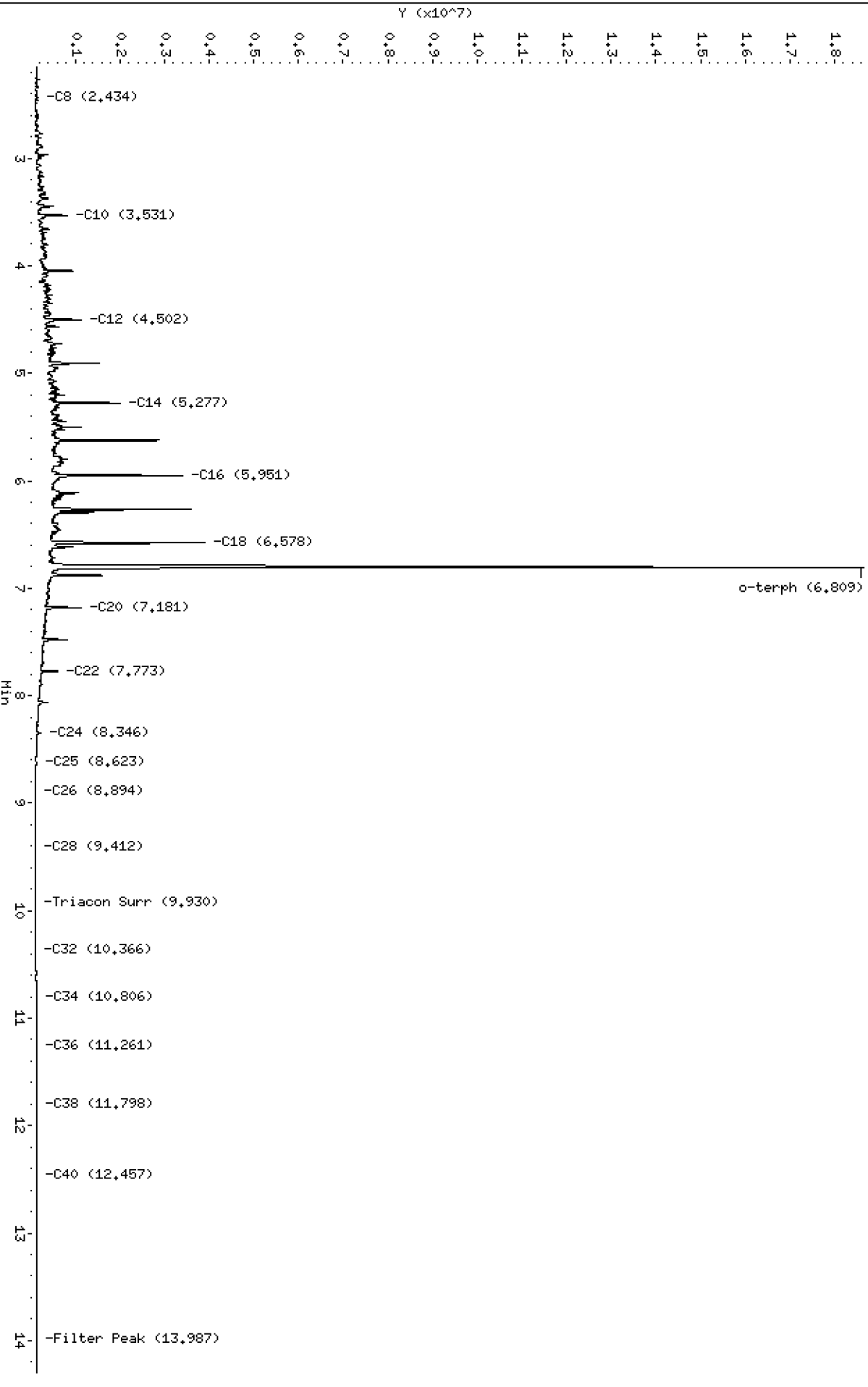
Column phase: RTX-1

Instrument: fid4a,1

Operator: AA/JGR

Column diameter: 0.25

\\target\share\chem2\fid4a,1\20220713,8\42261337.D



Analytical Resources Inc.
TPH Quantitation Report

Data file: 20220713.b/422G1337.D
Method: 20220713.b\FID4TPH.m
Instrument: fid4a.i, AA/JGR
Report Date: 07/14/2022
Macro: 09-SEP-2019
Calibration Dates: Gas:XX-XXX-XXXX Diesel:20-JAN-2022 M.Oil:06-JAN-2022

ARI ID: SEQ-CCV3
Client ID:
Injection: 14-JUL-2022 00:45
Dilution Factor: 1
RT Std: 422G1303.D

FID:4A RESULTS

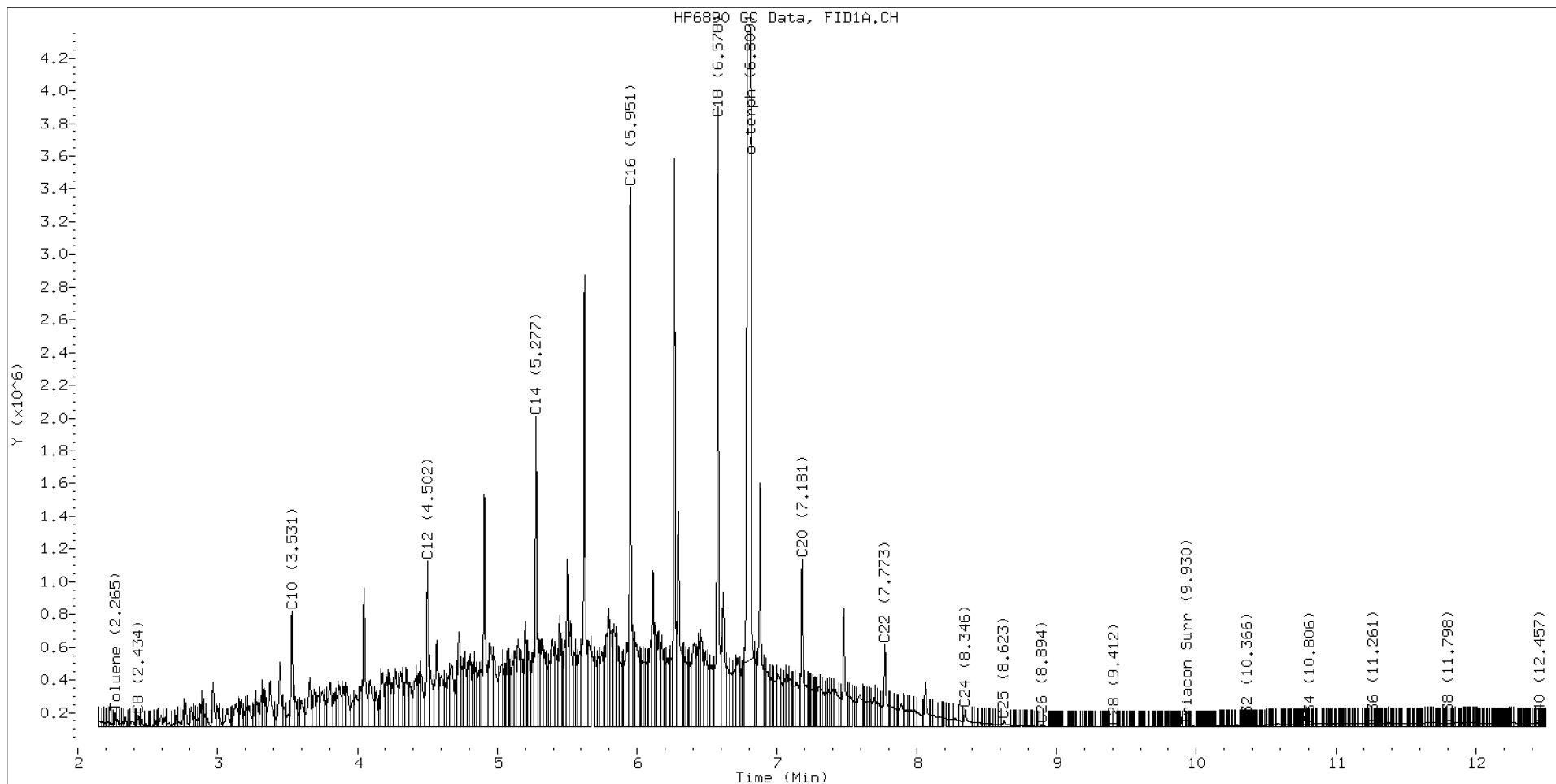
Compound	RT	Shift	Height	Area	Method	Range	Total Area	Conc (mg/L)
C8	2.434	-0.008	69727	63461	WATPHD	(C12-C24)	84200051	530.8
C10	3.531	-0.004	706178	638563	WATPHM	(C24-C38)	2364848	17.8
C12	4.502	-0.003	1014646	1091948	AK102	(C10-C25)	98653249	521.8
C14	5.277	-0.003	1897203	1656998	AK103	(C25-C36)	1417029	14.3
C16	5.951	-0.002	3294821	2683931	OR.DIES	(C10-C28)	98902136	521.2
C18	6.578	-0.002	3791697	3410200				
C20	7.181	-0.005	1026749	1006577	JET-A	(C10-C18)	76410243	441.2
C22	7.773	-0.007	505063	628385				
C24	8.346	-0.006	110411	188185				
C25	8.623	-0.007	38492	74223				
C26	8.894	-0.007	13958	15097				
C28	9.412	-0.006	1762	1840				
C32	10.366	-0.001	9633	5267				
C34	10.806	0.004	17934	8894				
Filter Peak	13.987	0.004	24054	10810				
C36	11.261	-0.002	20828	15530				
C38	11.798	0.002	24394	18205				
C40	12.457	0.002	24547	14655				
o-terph	6.809	-0.000	18129538	19824279				
Triacon Surr	9.930	-0.002	3686	1413	NAS DIES	(C10-C24)	98433100	521.7

Range Times: NW Diesel(4.505 - 8.352) AK102(3.54 - 8.63) Jet A(3.54 - 6.58)
NW M.Oil(8.35 - 11.80) AK103(8.63 - 11.26) OR Diesel(3.54 - 9.42)

Surrogate	Area	Amount
o-Terphenyl	19824279	97.4 M
Triacontane	1413	0.0

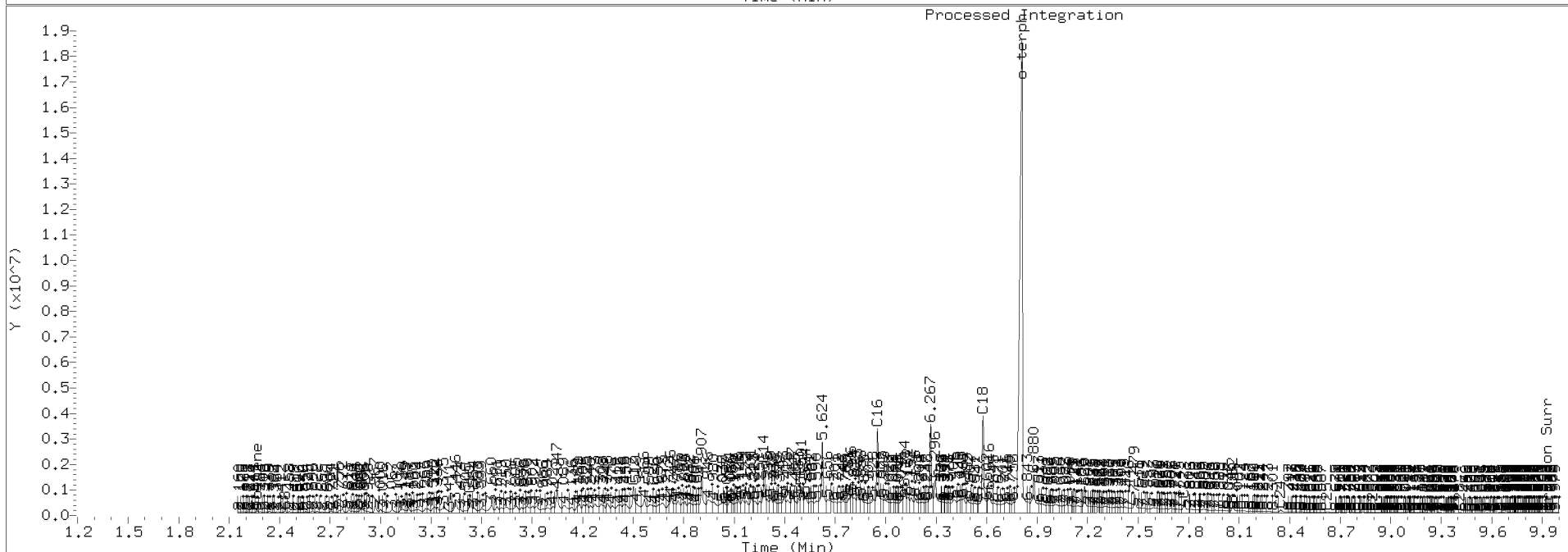
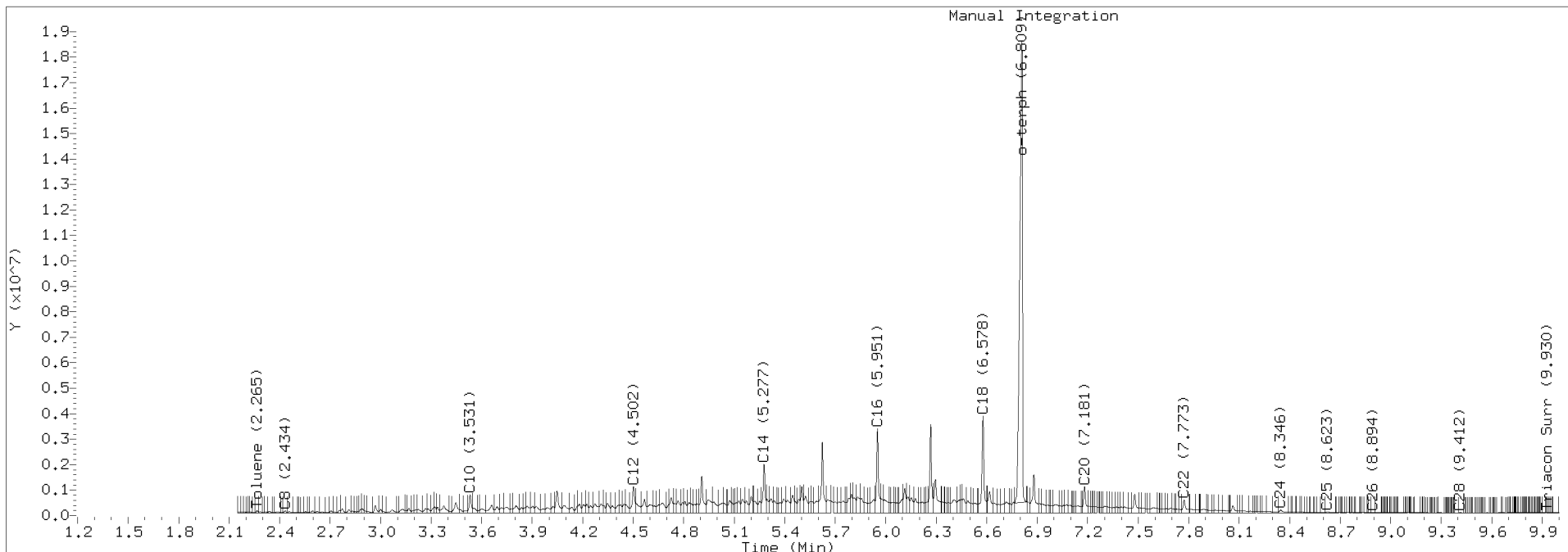
M Indicates the peak was manually integrated

Analyte	RF	Curve Date
o-Terph Surr	203634.1	
Triacon Surr	174221.0	
Gas	15000.0	XX-XXX-XXXX
Diesel	158638.4	20-JAN-2022
Motor Oil	132579.1	06-JAN-2022
AK102	189076.1	20-JAN-2022
AK103	98909.5	06-JAN-2022
JetA	173192.9	03-MAR-2022
OR Diesel	189743.0	20-JAN-2022
NAS Diesel	188673.2	20-JAN-2022



TPH Manual Integrations Report

Datafile: FID4A, 20220713.b/422G1337.D Injection: 14-JUL-2022 00:45
 Lab ID:SEQ-CCV3





CONTINUING CALIBRATION CHECK
NWTPH-Dx

Laboratory:	<u>Analytical Resources, LLC</u>	SDG:	<u>22G0019</u>
Client:	<u>GeoEngineers</u>	Project:	<u>RG Haley Site-Bellingham</u>
Instrument ID:	<u>FID4</u>	Calibration:	<u>FA00054</u>
Lab File ID:	<u>422G1338.D</u>	Calibration Date:	<u>01/31/2022</u>
Sequence:	<u>SKG0164</u>	Injection Date:	<u>07/14/22</u>
Lab Sample ID:	<u>SKG0164-CCV4</u>	Injection Time:	<u>01:05</u>
Sequence Name:	<u>MOIL CCV</u>		

COMPOUND	TYPE	CONC. (mg/L)		RESPONSE FACTOR (RF)			% DRIFT/DIFF	
		STD	CCV	ICAL	CCV	MIN	CCV	LIMIT
Motor Oil Range Organics (C24-C38)	A	1000.0	975	132579.1	129196.9		-2.6	+/-15

* Values outside of QC limits

Data File: \\target\share\chem2\fid4a,1\20220713,8\42261338.D
Date: 14-JUL-2022 01:05

Client ID:

Sample Info: SEQ-CCV4

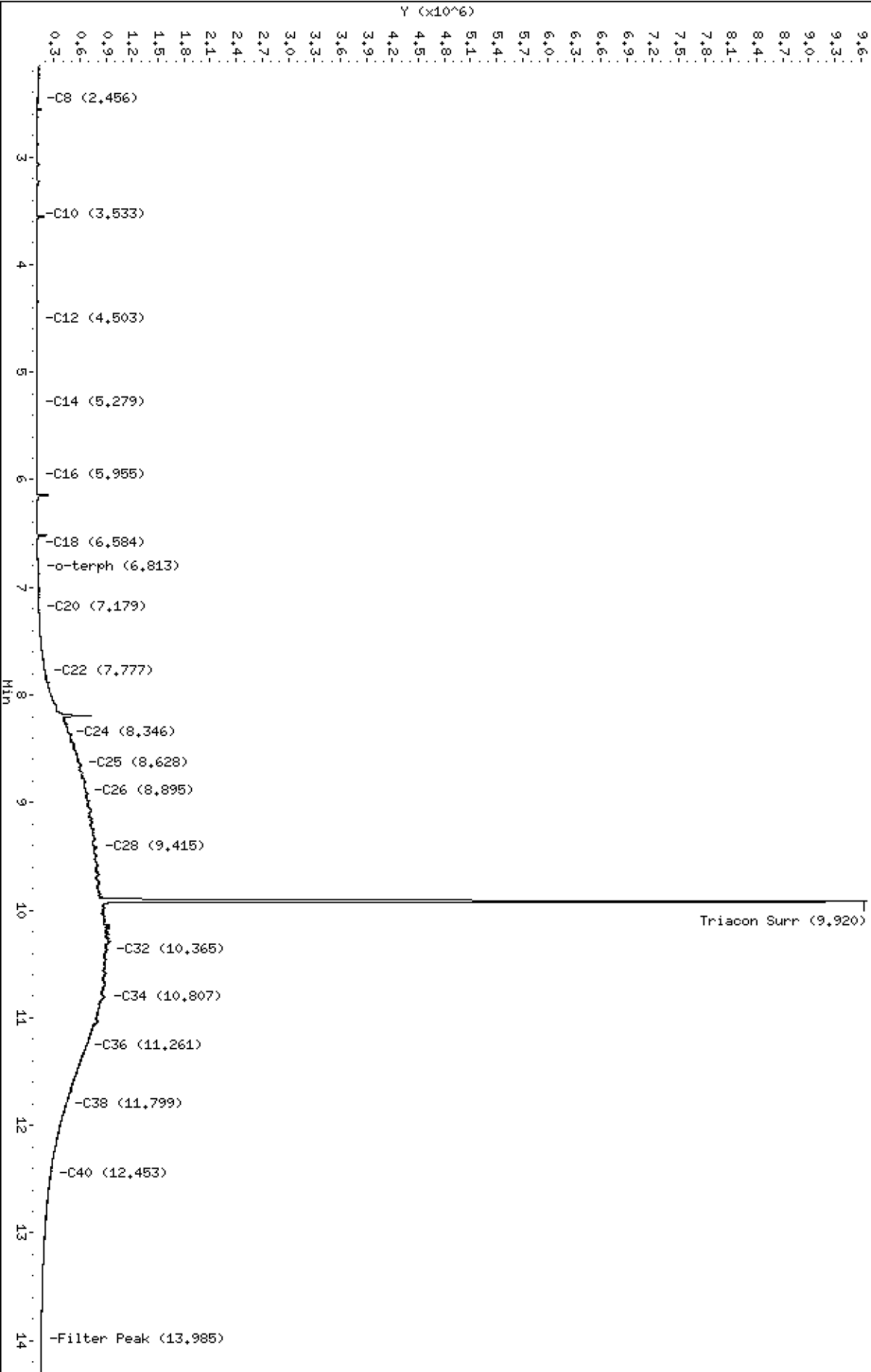
Column phase: RTX-1

Instrument: fid4a,1

Operator: AA/JGR

Column diameter: 0.25

\\target\share\chem2\fid4a,1\20220713,8\42261338.D



Analytical Resources Inc.
TPH Quantitation Report

Data file: 20220713.b/422G1338.D
Method: 20220713.b\FID4TPH.m
Instrument: fid4a.i, AA/JGR
Report Date: 07/14/2022
Macro: 09-SEP-2019
Calibration Dates: Gas:XX-XXX-XXXX Diesel:20-JAN-2022 M.Oil:06-JAN-2022

ARI ID: SEQ-CCV4
Client ID:
Injection: 14-JUL-2022 01:05
Dilution Factor: 1
RT Std: 422G1303.D

FID:4A RESULTS

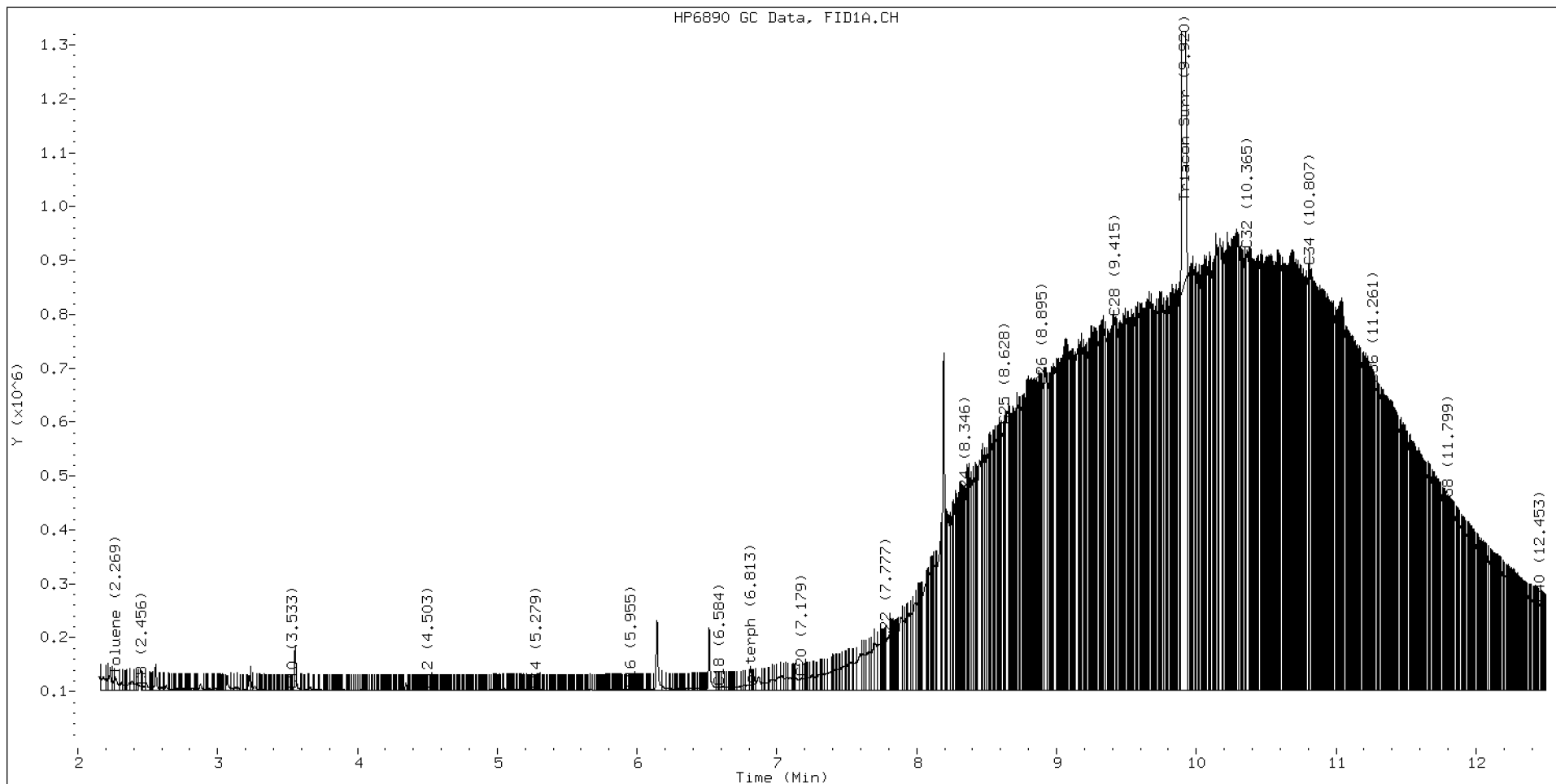
Compound	RT	Shift	Height	Area	Method	Range	Total Area	Conc (mg/L)
C8	2.456	0.014	8074	5664	WATPHD	(C12-C24)	11499462	72.5
C10	3.533	-0.002	1204	592	WATPHM	(C24-C38)	129196935	974.5
C12	4.503	-0.002	663	121	AK102	(C10-C25)	16037753	84.8
C14	5.279	-0.002	1702	494	AK103	(C25-C36)	110990837	1122.1
C16	5.955	0.002	2078	889	OR.DIES	(C10-C28)	47107081	248.3
C18	6.584	0.004	6311	2457				
C20	7.179	-0.007	23841	37258	JET-A	(C10-C18)	605568	3.5
C22	7.777	-0.002	91868	49700				
C24	8.346	-0.007	354298	88292				
C25	8.628	-0.002	491643	220049				
C26	8.895	-0.006	564131	196786				
C28	9.415	-0.003	691879	612112				
C32	10.365	-0.002	817911	1043424				
C34	10.807	0.004	786930	390403				
Filter Peak	13.985	0.002	49963	29636				
C36	11.261	-0.002	569594	170236				
C38	11.799	0.003	338159	134718				
C40	12.453	-0.002	161432	87654				
o-terph	6.813	0.004	10982	11022				
Triacon Surr	9.920	-0.012	8809550	8600985	NAS DIES	(C10-C24)	11631685	61.6

Range Times: NW Diesel(4.505 - 8.352) AK102(3.54 - 8.63) Jet A(3.54 - 6.58)
NW M.Oil(8.35 - 11.80) AK103(8.63 - 11.26) OR Diesel(3.54 - 9.42)

Surrogate	Area	Amount
o-Terphenyl	11022	0.1
Triacontane	8600985	49.4 M

M Indicates the peak was manually integrated

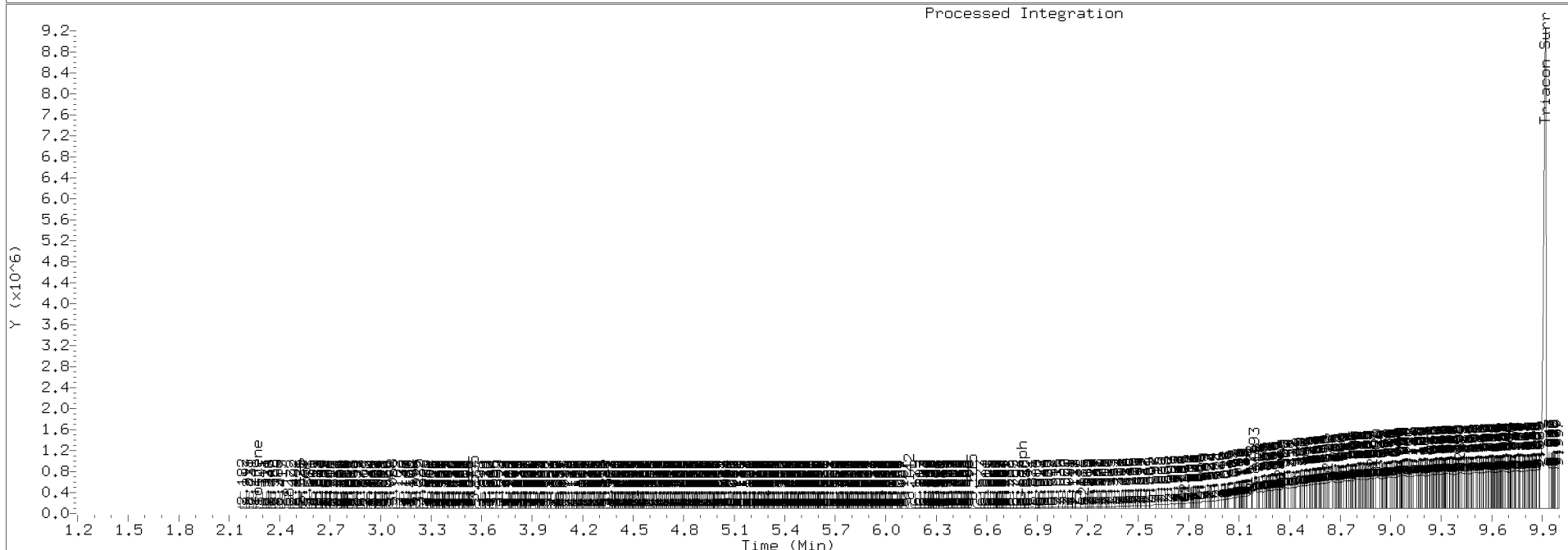
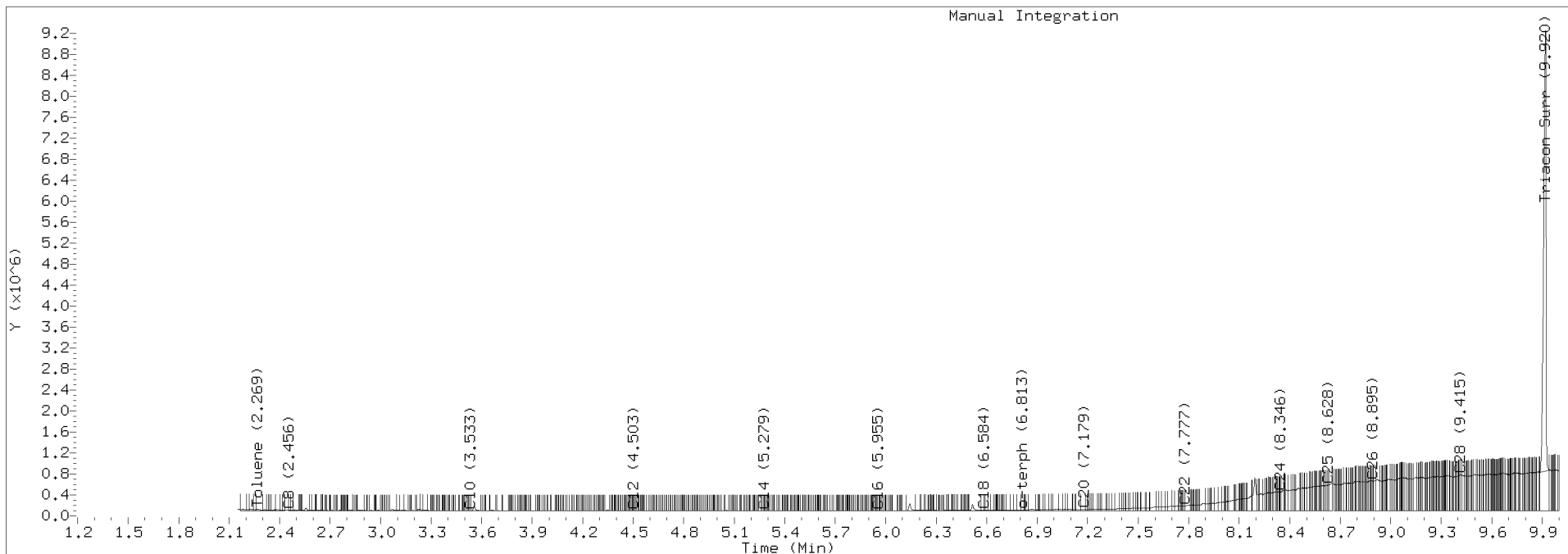
Analyte	RF	Curve Date
o-Terph Surr	203634.1	
Triacon Surr	174221.0	
Gas	15000.0	XX-XXX-XXXX
Diesel	158638.4	20-JAN-2022
Motor Oil	132579.1	06-JAN-2022
AK102	189076.1	20-JAN-2022
AK103	98909.5	06-JAN-2022
JetA	173192.9	03-MAR-2022
OR Diesel	189743.0	20-JAN-2022
NAS Diesel	188673.2	20-JAN-2022



TPH Manual Integrations Report

Datafile: FID4A, 20220713.b/422G1338.D Injection: 14-JUL-2022 01:05

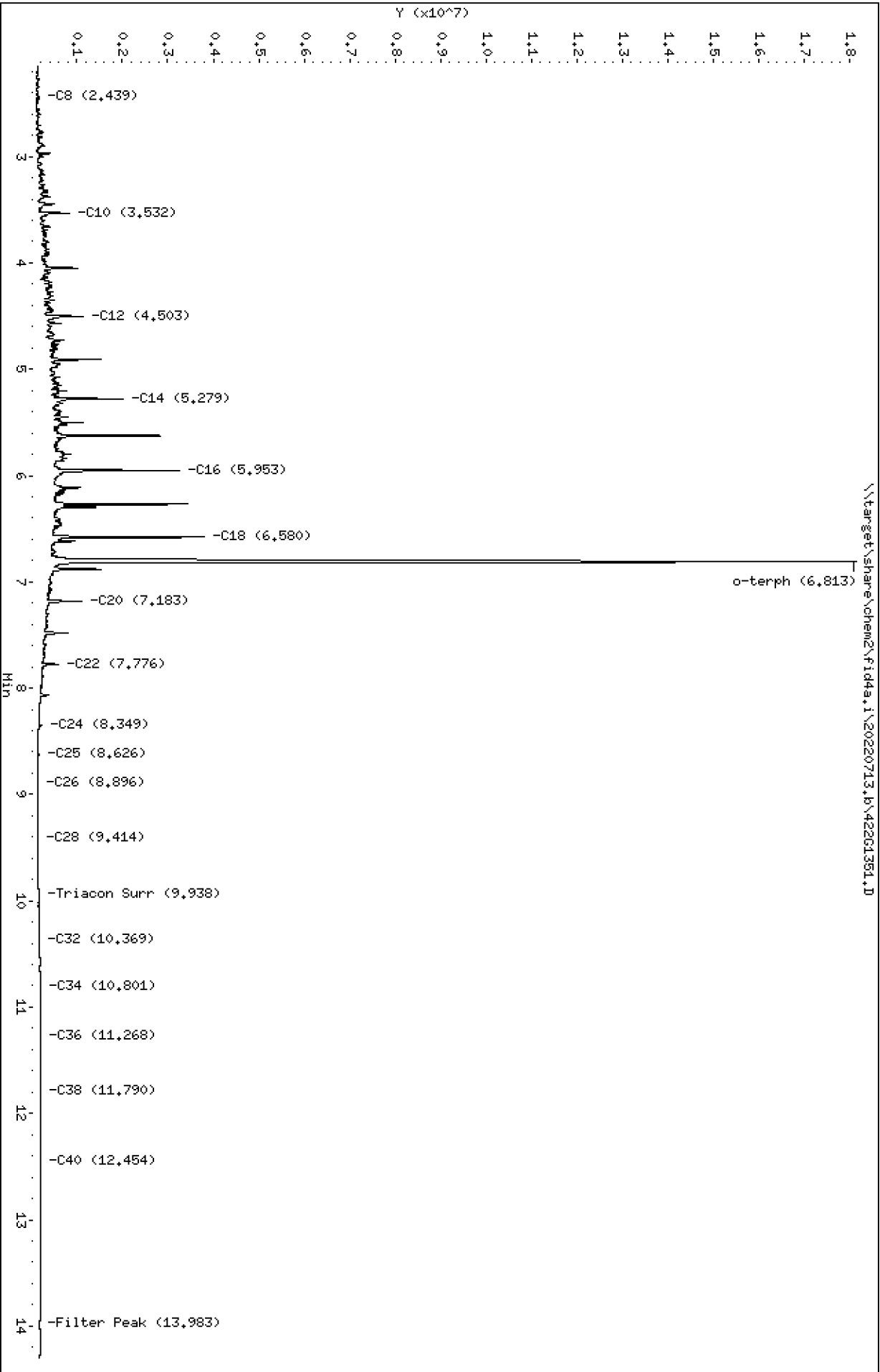
Lab ID:SEQ-CCV4



Data File: \\target\share\chem2\fid4a,1\20220713,8\42261351.D
Date: 14-JUL-2022 05:23
Client ID:
Sample Info: SEQ-OCV5

Column phase: RTX-1

Instrument: fid4a,1
Operator: AA/JGR
Column diameter: 0.25



Analytical Resources Inc.
TPH Quantitation Report

Data file: 20220713.b/422G1351.D
Method: 20220713.b\FID4TPH.m
Instrument: fid4a.i, AA/JGR
Report Date: 07/14/2022
Macro: 09-SEP-2019
Calibration Dates: Gas:XX-XXX-XXXX Diesel:20-JAN-2022 M.Oil:06-JAN-2022

ARI ID: SEQ-CCV5
Client ID:
Injection: 14-JUL-2022 05:23
Dilution Factor: 1
RT Std: 422G1303.D

FID:4A RESULTS

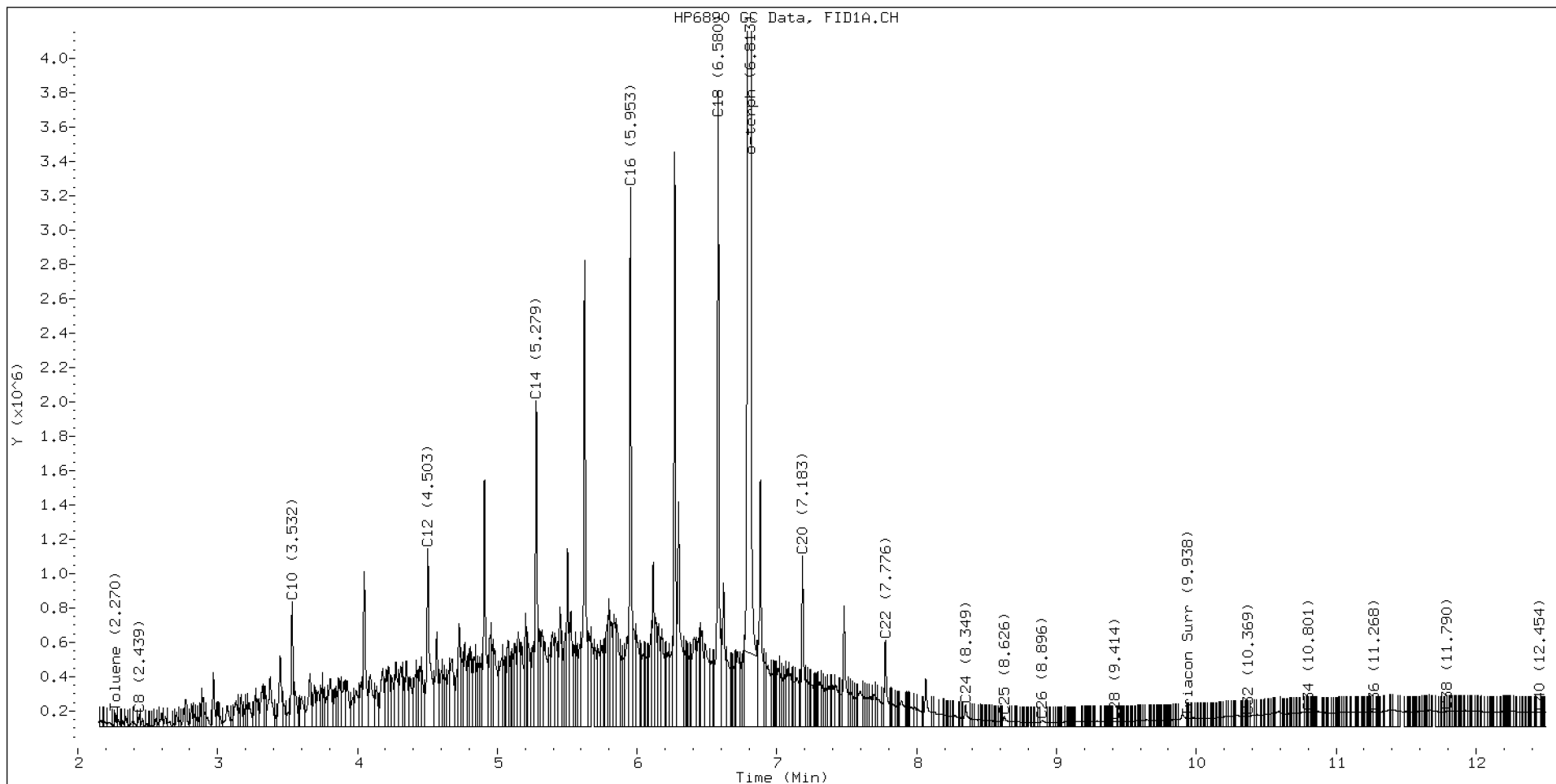
Compound	RT	Shift	Height	Area	Method	Range	Total Area	Conc (mg/L)
C8	2.439	-0.003	68666	57407	WATPHD	(C12-C24)	87655895	552.6
C10	3.532	-0.004	722901	655962	WATPHM	(C24-C38)	11048652	83.3
C12	4.503	-0.002	1032304	1661132	AK102	(C10-C25)	102772576	543.6
C14	5.279	-0.002	1893886	1729592	AK103	(C25-C36)	8171070	82.6
C16	5.953	-0.000	3135581	2771043	OR.DIES	(C10-C28)	104188188	549.1
C18	6.580	0.000	3694394	3621203				
C20	7.183	-0.004	994717	1080495	JET-A	(C10-C18)	78936483	455.8
C22	7.776	-0.004	498490	661242				
C24	8.349	-0.004	123182	206000				
C25	8.626	-0.004	57647	123496				
C26	8.896	-0.005	34482	88222				
C28	9.414	-0.005	30704	56007				
C32	10.369	0.001	59787	26852				
C34	10.801	-0.001	82436	32898				
Filter Peak	13.983	-0.000	74590	29796				
C36	11.268	0.005	85692	113868				
C38	11.790	-0.005	86744	51463				
C40	12.454	-0.001	85580	139864				
o-terph	6.813	0.004	17613143	19955141				
Triacon Surr	9.938	0.006	47769	28485	NAS DIES	(C10-C24)	102455923	543.0

Range Times: NW Diesel(4.505 - 8.352) AK102(3.54 - 8.63) Jet A(3.54 - 6.58)
NW M.Oil(8.35 - 11.80) AK103(8.63 - 11.26) OR Diesel(3.54 - 9.42)

Surrogate	Area	Amount
o-Terphenyl	19955141	98.0 M
Triacontane	28485	0.2

M Indicates the peak was manually integrated

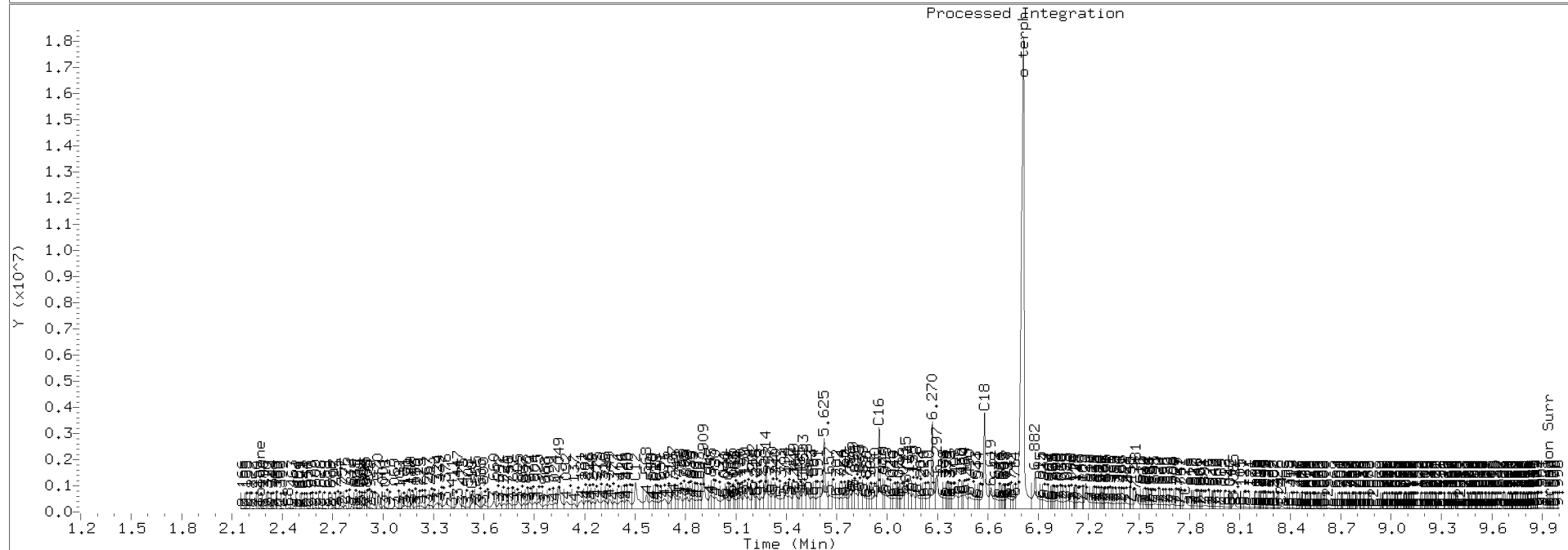
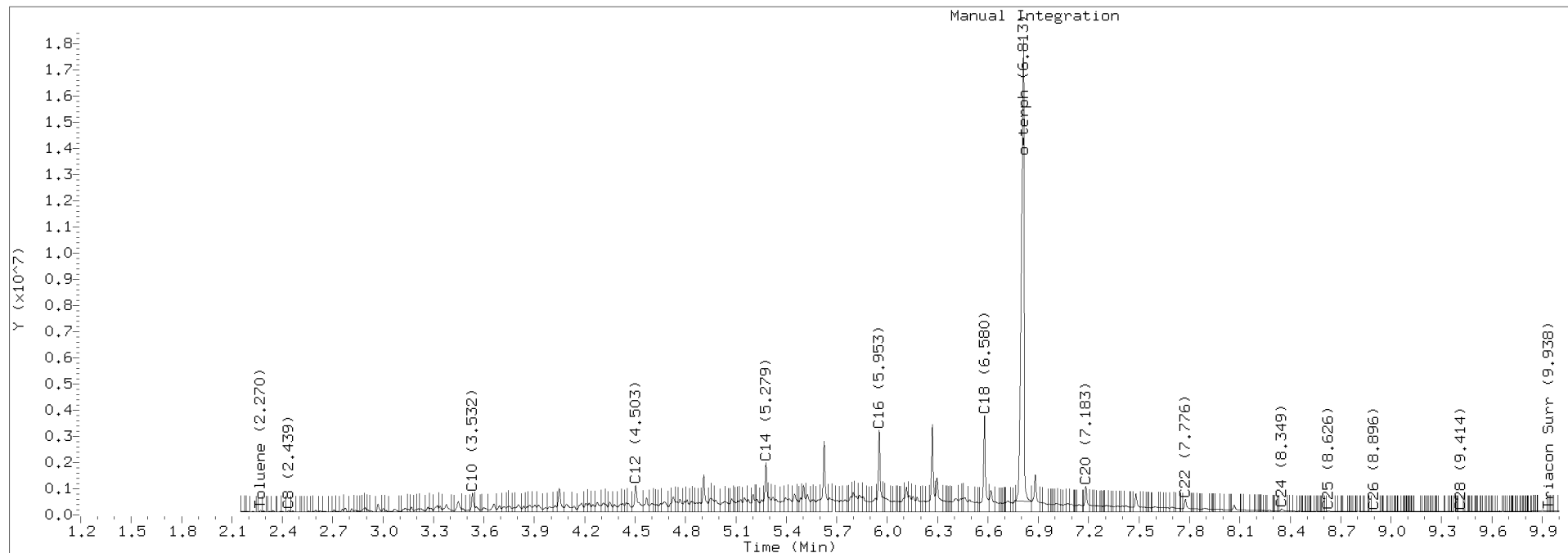
Analyte	RF	Curve Date
o-Terph Surr	203634.1	
Triacon Surr	174221.0	
Gas	15000.0	XX-XXX-XXXX
Diesel	158638.4	20-JAN-2022
Motor Oil	132579.1	06-JAN-2022
AK102	189076.1	20-JAN-2022
AK103	98909.5	06-JAN-2022
JetA	173192.9	03-MAR-2022
OR Diesel	189743.0	20-JAN-2022
NAS Diesel	188673.2	20-JAN-2022



TPH Manual Integrations Report

Datafile: FID4A, 20220713.b/422G1351.D Injection: 14-JUL-2022 05:23

Lab ID:SEQ-CCV5





CONTINUING CALIBRATION CHECK
NWTPH-Dx

Laboratory:	<u>Analytical Resources, LLC</u>	SDG:	<u>22G0019</u>
Client:	<u>GeoEngineers</u>	Project:	<u>RG Haley Site-Bellingham</u>
Instrument ID:	<u>FID4</u>	Calibration:	<u>FA00054</u>
Lab File ID:	<u>422G1352.D</u>	Calibration Date:	<u>01/31/2022</u>
Sequence:	<u>SKG0164</u>	Injection Date:	<u>07/14/22</u>
Lab Sample ID:	<u>SKG0164-CCV6</u>	Injection Time:	<u>05:43</u>
Sequence Name:	<u>MOIL CCV</u>		

COMPOUND	TYPE	CONC. (mg/L)		RESPONSE FACTOR (RF)			% DRIFT/DIFF	
		STD	CCV	ICAL	CCV	MIN	CCV	LIMIT
Motor Oil Range Organics (C24-C38)	A	1000.0	878	132579.1	116339.2		-12.3	+/-15

* Values outside of QC limits

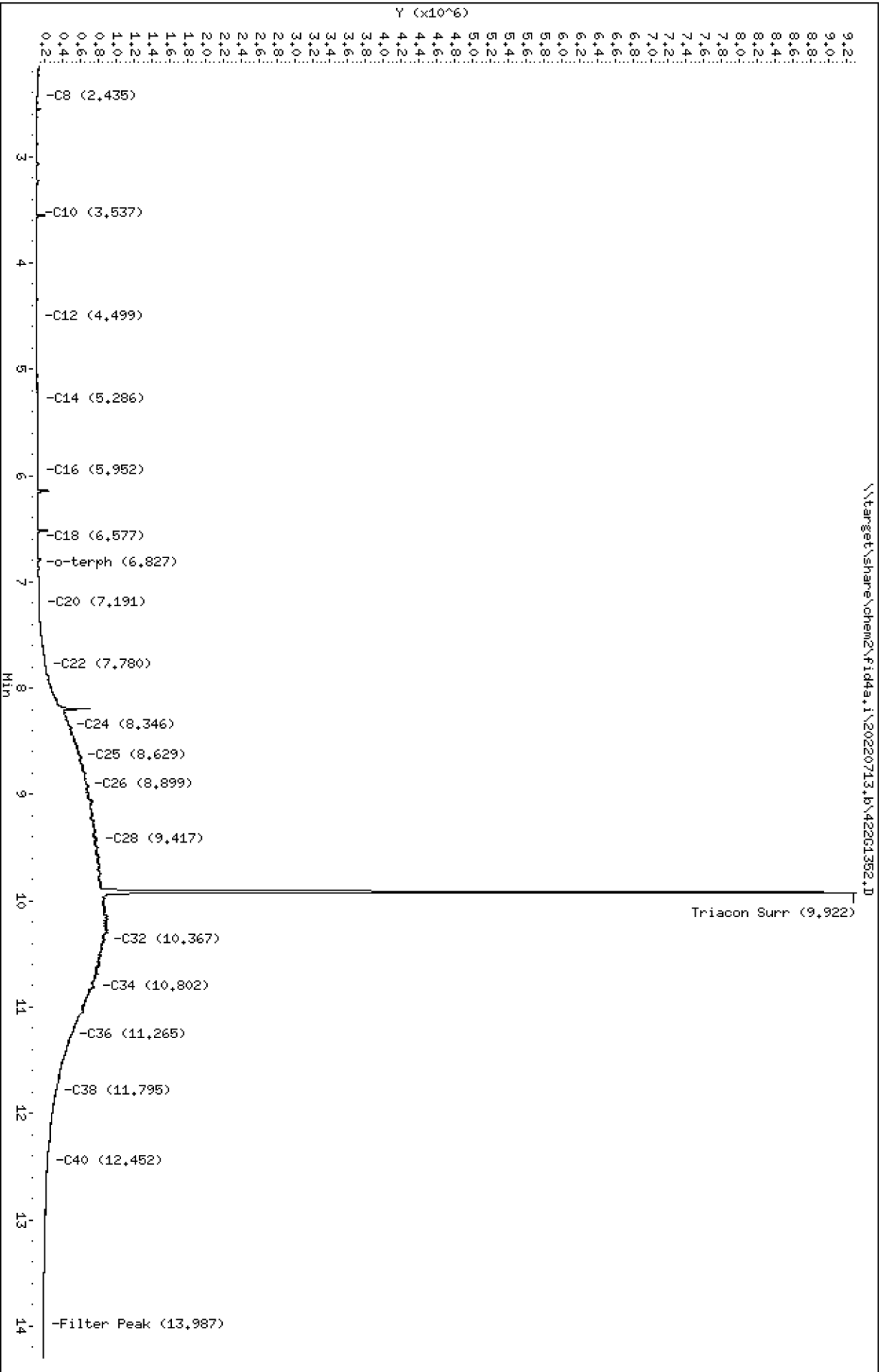
Data File: \\target\share\chem2\fid4a,1\20220713,8\42261352.D
Date: 14-JUL-2022 05:43

Client ID:
Sample Info: SEQ-OCW6

Column phase: RTX-1

Instrument: fid4a,1

Operator: AA/JGR
Column diameter: 0.25



Analytical Resources Inc.
TPH Quantitation Report

Data file: 20220713.b/422G1352.D
Method: 20220713.b\FID4TPH.m
Instrument: fid4a.i, AA/JGR
Report Date: 07/14/2022
Macro: 09-SEP-2019
Calibration Dates: Gas:XX-XXX-XXXX Diesel:20-JAN-2022 M.Oil:06-JAN-2022

ARI ID: SEQ-CCV6
Client ID:
Injection: 14-JUL-2022 05:43
Dilution Factor: 1
RT Std: 422G1303.D

FID:4A RESULTS

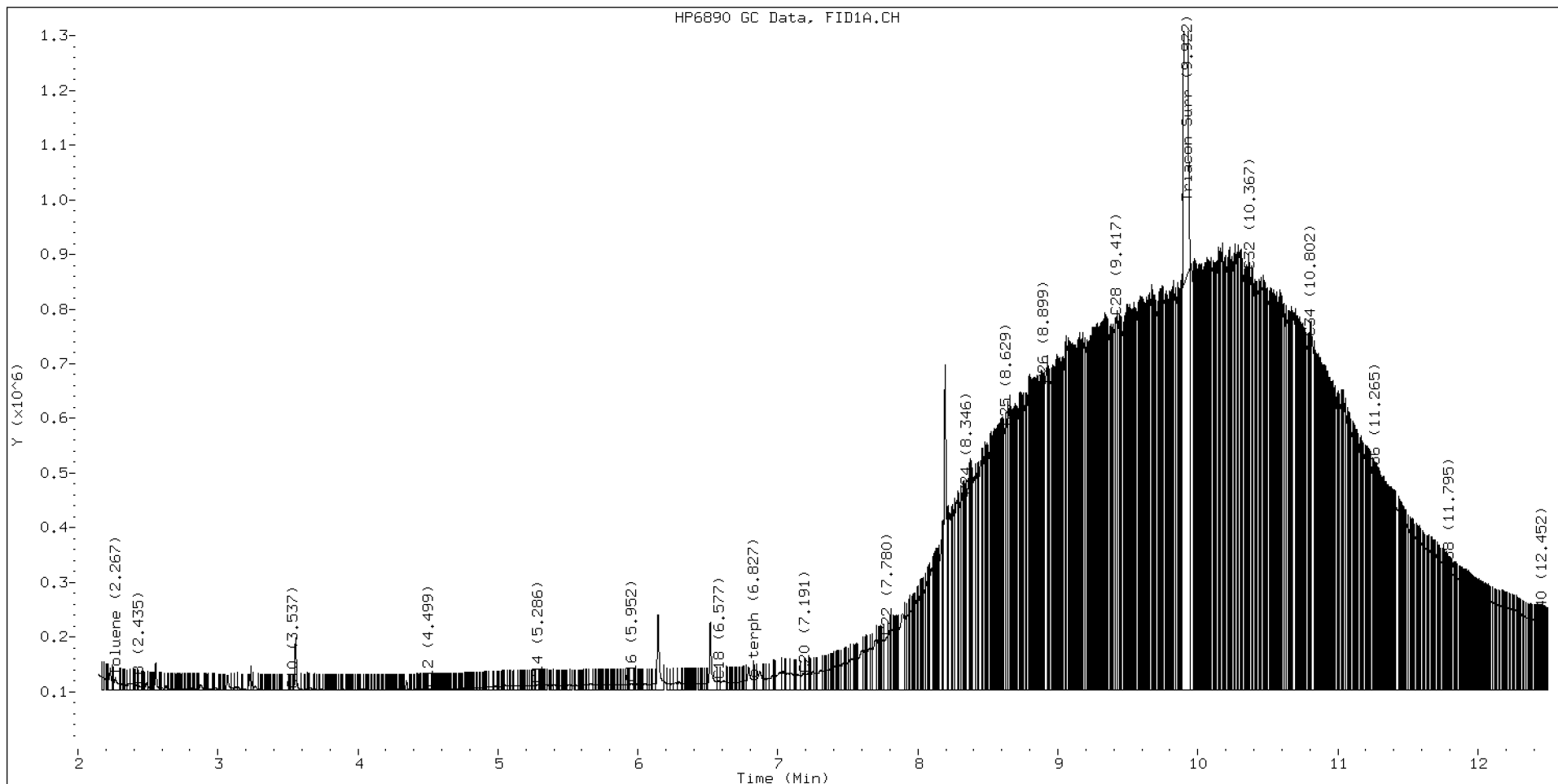
Compound	RT	Shift	Height	Area	Method	Range	Total Area	Conc (mg/L)
C8	2.435	-0.007	8017	8802	WATPHD	(C12-C24)	12793166	80.6
C10	3.537	0.001	928	221	WATPHM	(C24-C38)	116339227	877.5
C12	4.499	-0.006	1842	1232	AK102	(C10-C25)	17365732	91.8
C14	5.286	0.005	9368	10277	AK103	(C25-C36)	103016869	1041.5
C16	5.952	-0.001	12150	18397	OR.DIES	(C10-C28)	48054473	253.3
C18	6.577	-0.003	16895	22562				
C20	7.191	0.004	28531	5696	JET-A	(C10-C18)	1409650	8.1
C22	7.780	0.000	97250	126924				
C24	8.346	-0.007	355310	88621				
C25	8.629	-0.001	480434	95874				
C26	8.899	-0.002	558468	166309				
C28	9.417	-0.001	682434	606625				
C32	10.367	-0.001	768096	267093				
C34	10.802	-0.001	645266	128515				
Filter Peak	13.987	0.003	77550	38618				
C36	11.265	0.003	391081	175189				
C38	11.795	-0.001	216913	54118				
C40	12.452	-0.002	128149	31966				
o-terph	6.827	0.018	18899	8415				
Triacon Surr	9.922	-0.009	8449083	8486504	NAS DIES	(C10-C24)	12946635	68.6

Range Times: NW Diesel(4.505 - 8.352) AK102(3.54 - 8.63) Jet A(3.54 - 6.58)
NW M.Oil(8.35 - 11.80) AK103(8.63 - 11.26) OR Diesel(3.54 - 9.42)

Surrogate	Area	Amount
o-Terphenyl	8415	0.0
Triacotane	8486504	48.7 M

M Indicates the peak was manually integrated

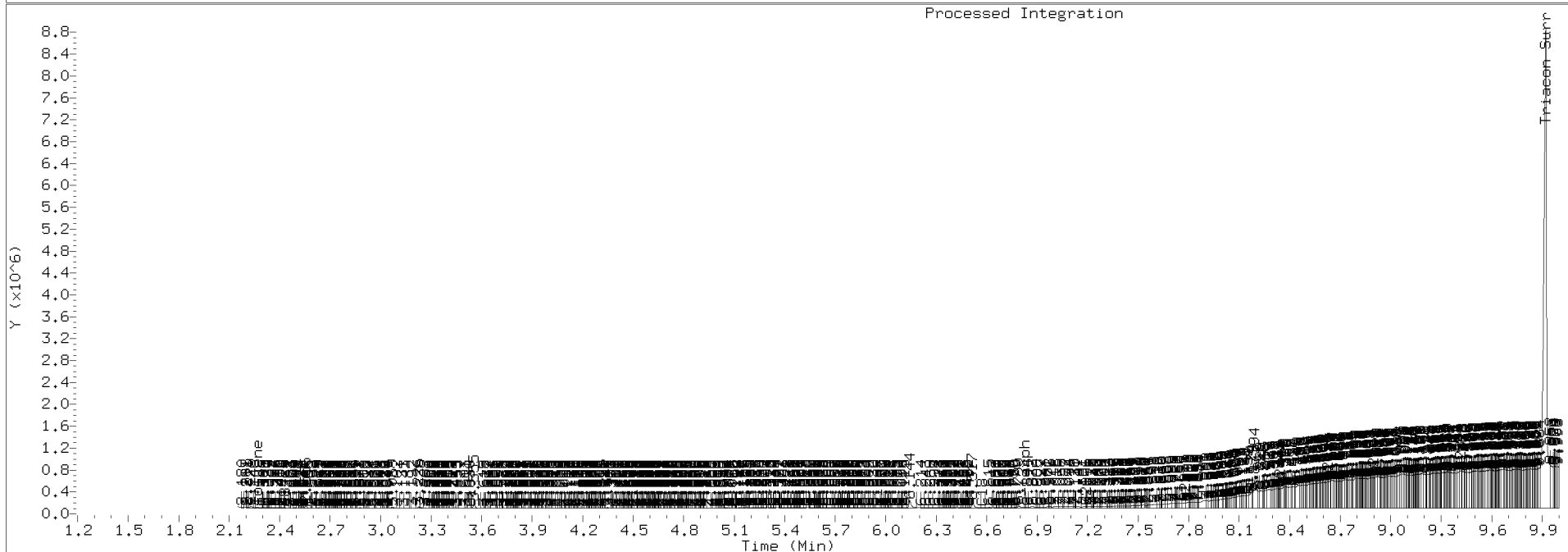
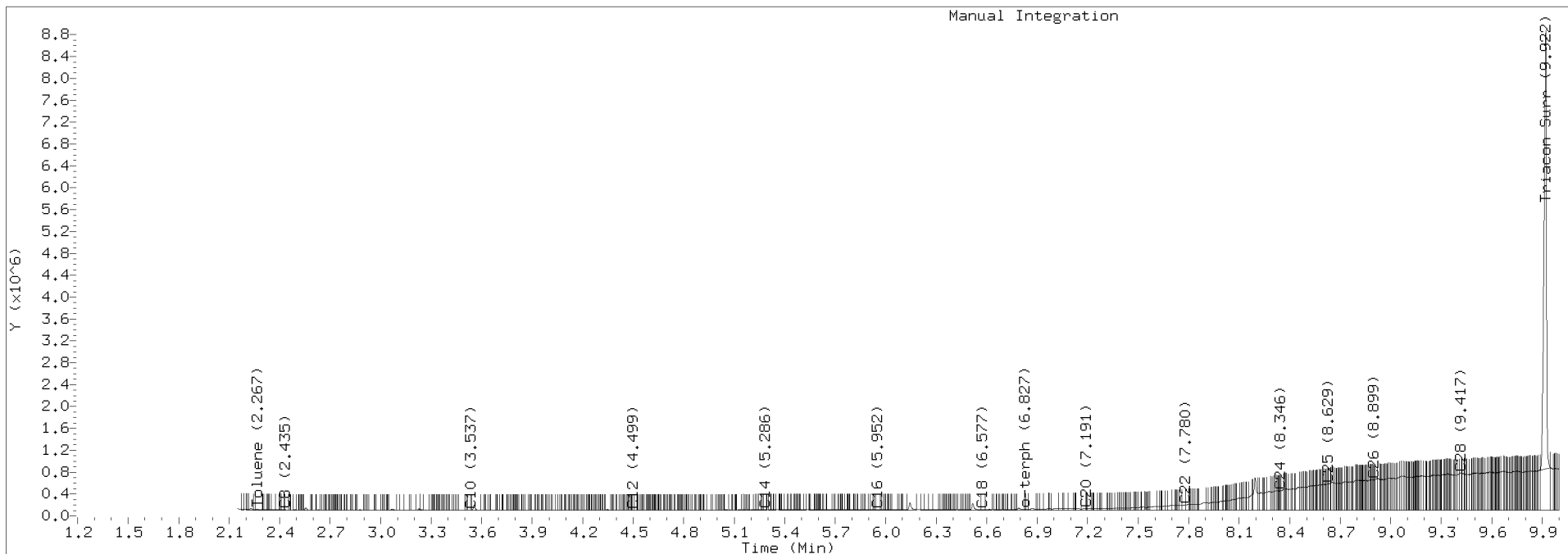
Analyte	RF	Curve Date
o-Terph Surr	203634.1	
Triacon Surr	174221.0	
Gas	15000.0	XX-XXX-XXXX
Diesel	158638.4	20-JAN-2022
Motor Oil	132579.1	06-JAN-2022
AK102	189076.1	20-JAN-2022
AK103	98909.5	06-JAN-2022
JetA	173192.9	03-MAR-2022
OR Diesel	189743.0	20-JAN-2022
NAS Diesel	188673.2	20-JAN-2022



TPH Manual Integrations Report

Datafile: FID4A, 20220713.b/422G1352.D Injection: 14-JUL-2022 05:43

Lab ID:SEQ-CCV6





CONTINUING CALIBRATION CHECK
NWTPH-Dx

Laboratory:	<u>Analytical Resources, LLC</u>	SDG:	<u>22G0019</u>
Client:	<u>GeoEngineers</u>	Project:	<u>RG Haley Site-Bellingham</u>
Instrument ID:	<u>FID4</u>	Calibration:	<u>FA00054</u>
Lab File ID:	<u>422G1416.D</u>	Calibration Date:	<u>01/31/2022</u>
Sequence:	<u>SKG0168</u>	Injection Date:	<u>07/14/22</u>
Lab Sample ID:	<u>SKG0168-CCV1</u>	Injection Time:	<u>23:26</u>
Sequence Name:	<u>DIESEL CCV</u>		

COMPOUND	TYPE	CONC. (mg/L)		RESPONSE FACTOR (RF)			% DRIFT/DIFF	
		STD	CCV	ICAL	CCV	MIN	CCV	LIMIT
Diesel Range Organics (C12-C24)	A	500.00	514	158638.4	163063.2		2.8	+/-15
o-Terphenyl	A	90.000	91.2	203634.1	206452.7		1.3	+/-15

* Values outside of QC limits

Data File: \\target\share\chem2\fid4a,1\20220714,b\42261416.D
Date: 14-JUL-2022 23:26

Client ID:

Sample Info: SEQ-CCV1

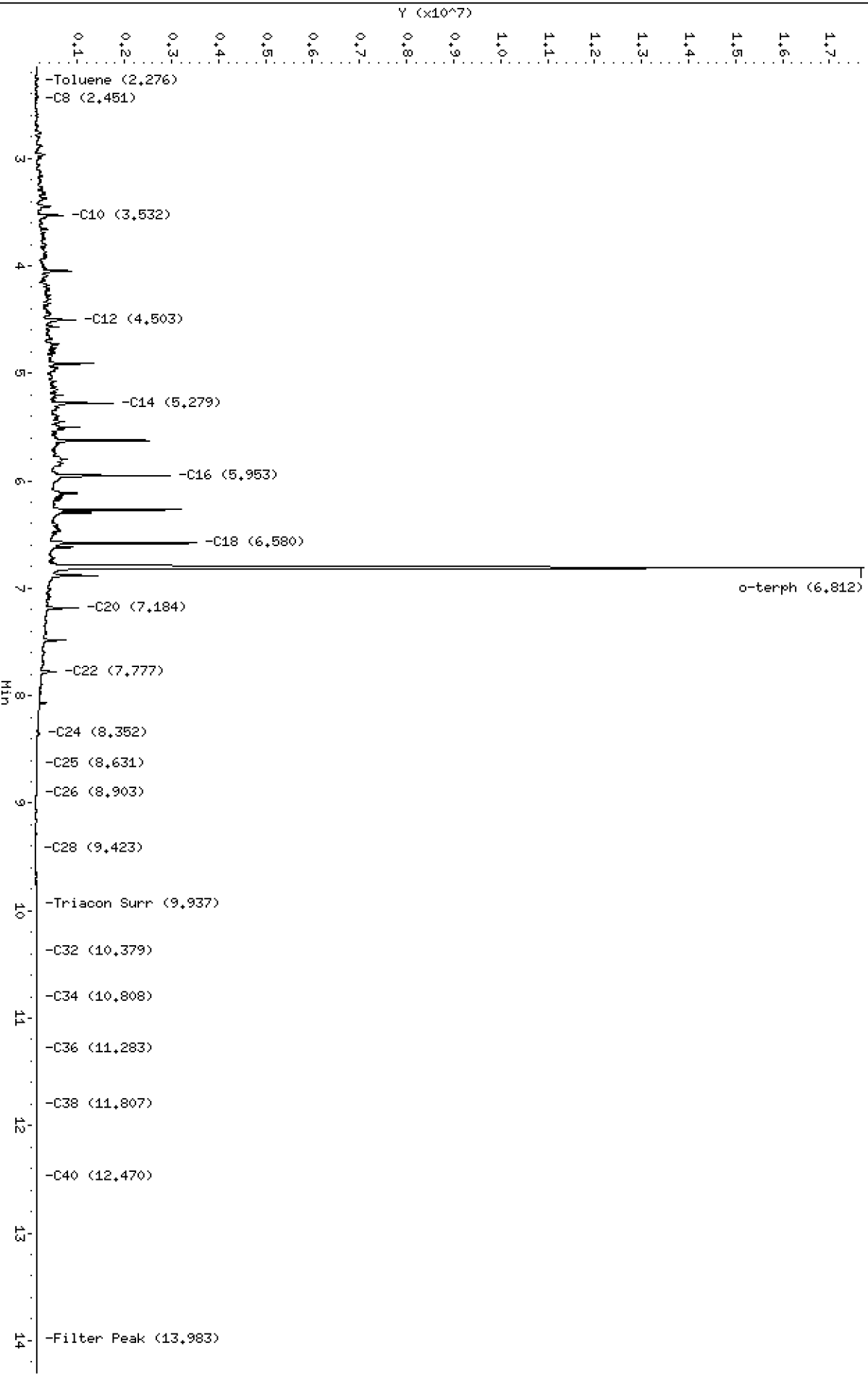
Column phase: RTX-1

Instrument: fid4a,1

Operator: AA/JGR

Column diameter: 0.25

\\target\share\chem2\fid4a,1\20220714,b\42261416.D



Analytical Resources Inc.
TPH Quantitation Report

Data file: 20220714.b/422G1416.D
Method: 20220714.b\FID4TPH.m
Instrument: fid4a.i, AA/JGR
Report Date: 07/15/2022
Macro: 09-SEP-2019
Calibration Dates: Gas:XX-XXX-XXXX Diesel:20-JAN-2022 M.Oil:06-JAN-2022

ARI ID: SEQ-CCV1
Client ID:
Injection: 14-JUL-2022 23:26
Dilution Factor: 1
RT Std: 422G1403.D

FID:4A RESULTS

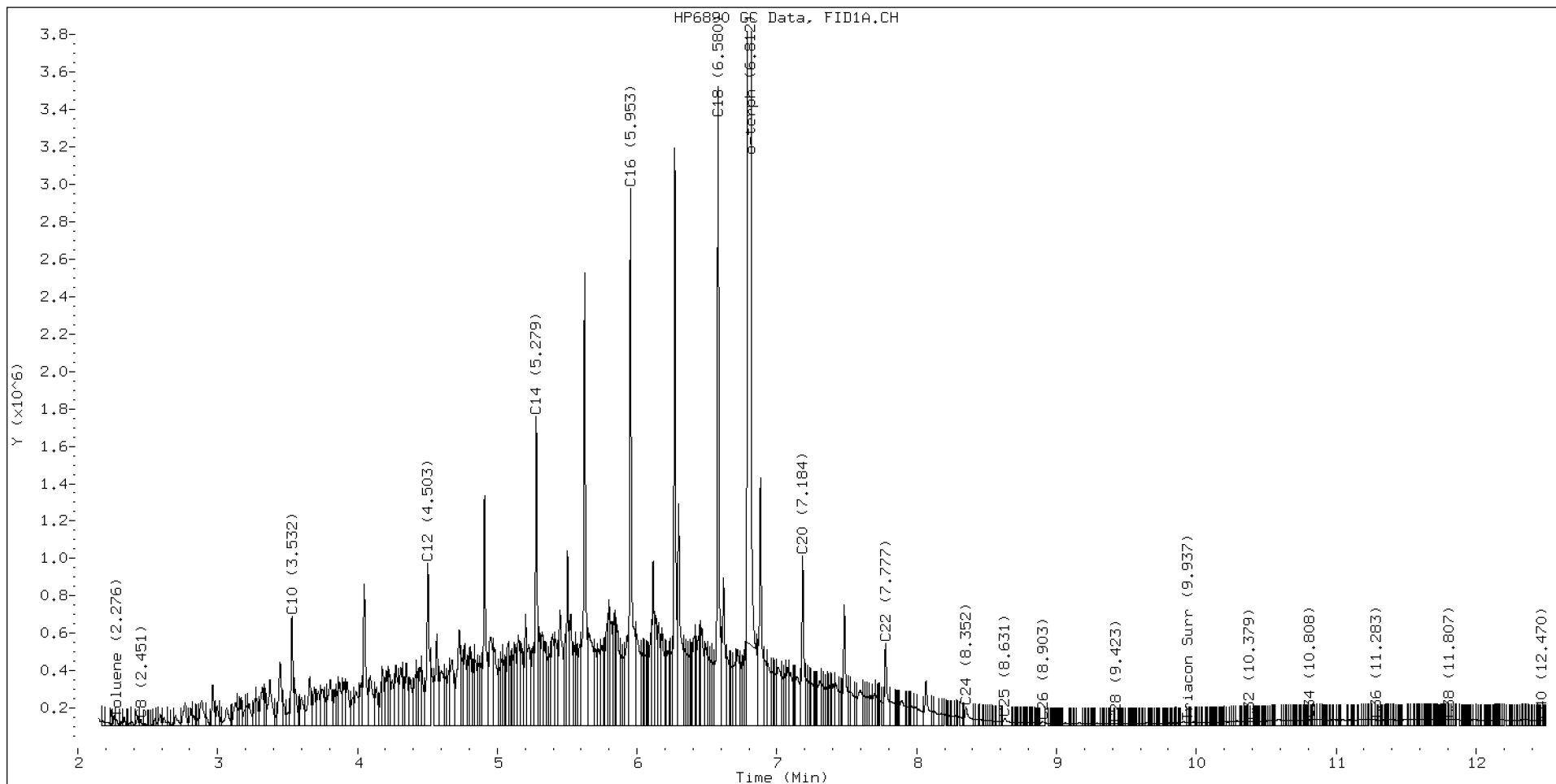
Compound	RT	Shift	Height	Area	Method	Range	Total Area	Conc (mg/L)
C8	2.451	0.006	37797	30921	WATPHD	(C12-C24)	81531625	513.9
C10	3.532	-0.009	586105	589047	WATPHM	(C24-C38)	4796575	36.2
C12	4.503	-0.004	867775	1128789	AK102	(C10-C25)	94835190	501.6
C14	5.279	-0.004	1657188	1573853	AK103	(C25-C36)	3471160	35.1
C16	5.953	-0.005	2876111	3041410	OR.DIES	(C10-C28)	95624306	504.0
C18	6.580	-0.005	3422450	3282005				
C20	7.184	-0.009	908046	1045988	JET-A	(C10-C18)	72727653	419.9
C22	7.777	-0.009	440305	641518				
C24	8.352	-0.008	101474	216597				
C25	8.631	-0.006	42353	105301				
C26	8.903	-0.005	22885	36962				
C28	9.423	-0.004	13444	14783				
C32	10.379	0.003	24335	26264				
C34	10.808	-0.004	32854	21219				
Filter Peak	13.983	-0.001	27431	13672				
C36	11.283	0.010	32811	19455				
C38	11.807	-0.004	34572	20527				
C40	12.470	-0.005	30717	18315				
o-terph	6.812	-0.005	17186245	18580735				
Triacon Surr	9.937	-0.004	18472	11916	NAS DIES	(C10-C24)	94560222	501.2

Range Times: NW Diesel(4.508 - 8.360) AK102(3.54 - 8.64) Jet A(3.54 - 6.59)
NW M.Oil(8.36 - 11.81) AK103(8.64 - 11.27) OR Diesel(3.54 - 9.43)

Surrogate	Area	Amount
o-Terphenyl	18580735	91.2 M
Triacontane	11916	0.1

M Indicates the peak was manually integrated

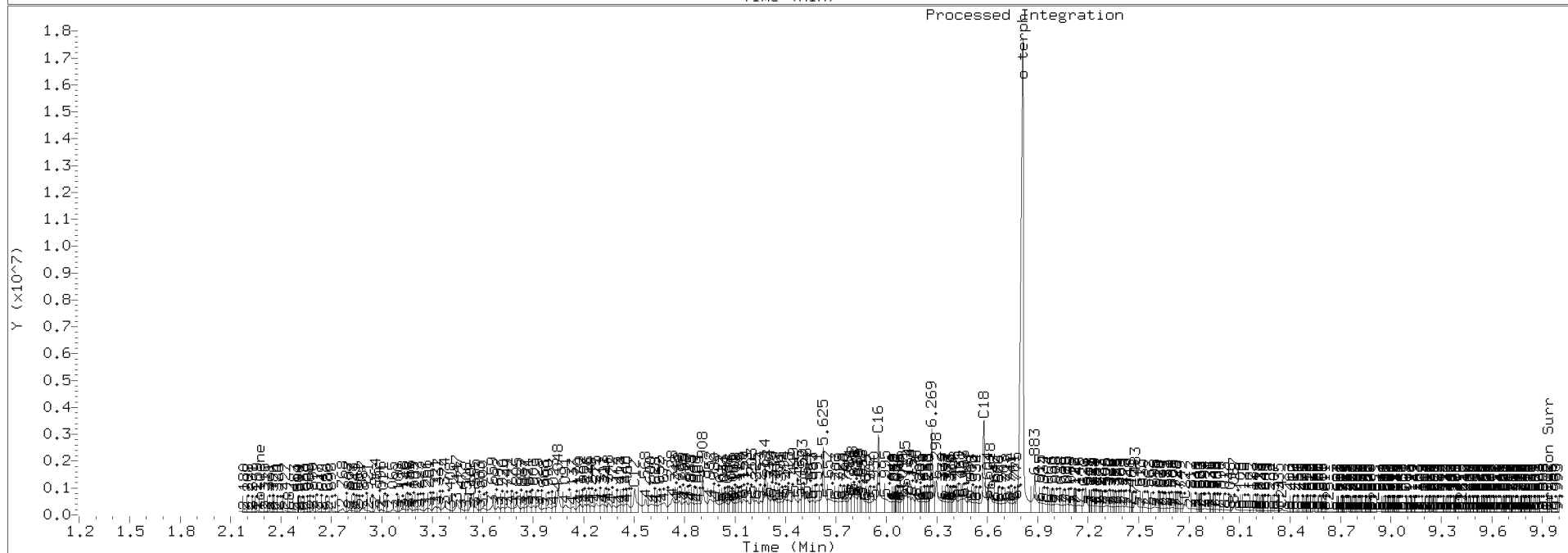
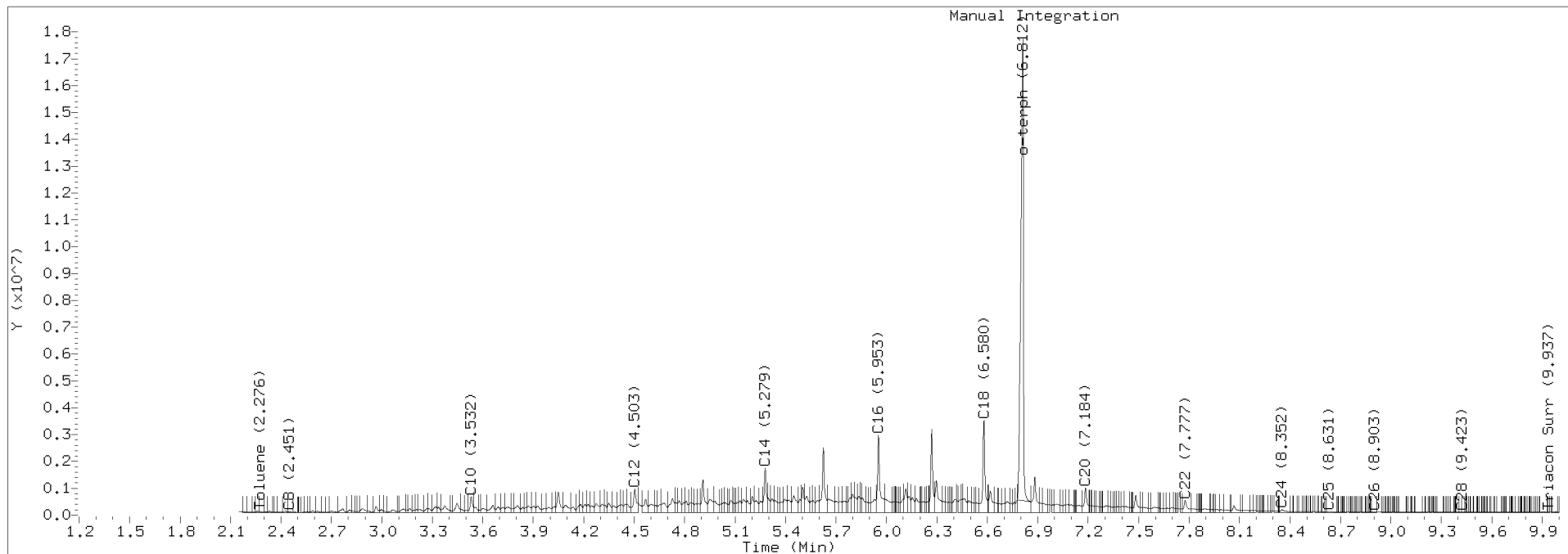
Analyte	RF	Curve Date
o-Terph Surr	203634.1	
Triacon Surr	174221.0	
Gas	15000.0	XX-XXX-XXXX
Diesel	158638.4	20-JAN-2022
Motor Oil	132579.1	06-JAN-2022
AK102	189076.1	20-JAN-2022
AK103	98909.5	06-JAN-2022
JetA	173192.9	03-MAR-2022
OR Diesel	189743.0	20-JAN-2022
NAS Diesel	188673.2	20-JAN-2022



TPH Manual Integrations Report

Datafile: FID4A, 20220714.b/422G1416.D Injection: 14-JUL-2022 23:26

Lab ID:SEQ-CCV1





CONTINUING CALIBRATION CHECK
NWTPH-Dx

Laboratory:	<u>Analytical Resources, LLC</u>	SDG:	<u>22G0019</u>
Client:	<u>GeoEngineers</u>	Project:	<u>RG Haley Site-Bellingham</u>
Instrument ID:	<u>FID4</u>	Calibration:	<u>FA00054</u>
Lab File ID:	<u>422G1417.D</u>	Calibration Date:	<u>01/31/2022</u>
Sequence:	<u>SKG0168</u>	Injection Date:	<u>07/14/22</u>
Lab Sample ID:	<u>SKG0168-CCV2</u>	Injection Time:	<u>23:46</u>
Sequence Name:	<u>MOIL CCV</u>		

COMPOUND	TYPE	CONC. (mg/L)		RESPONSE FACTOR (RF)			% DRIFT/DIFF	
		STD	CCV	ICAL	CCV	MIN	CCV	LIMIT
Motor Oil Range Organics (C24-C38)	A	1000.0	958	132579.1	127029.2		-4.2	+/-15

* Values outside of QC limits

Data File: \\target\share\chem2\fid4a,1\20220714,b\42261417.D
Date: 14-JUL-2022 23:46

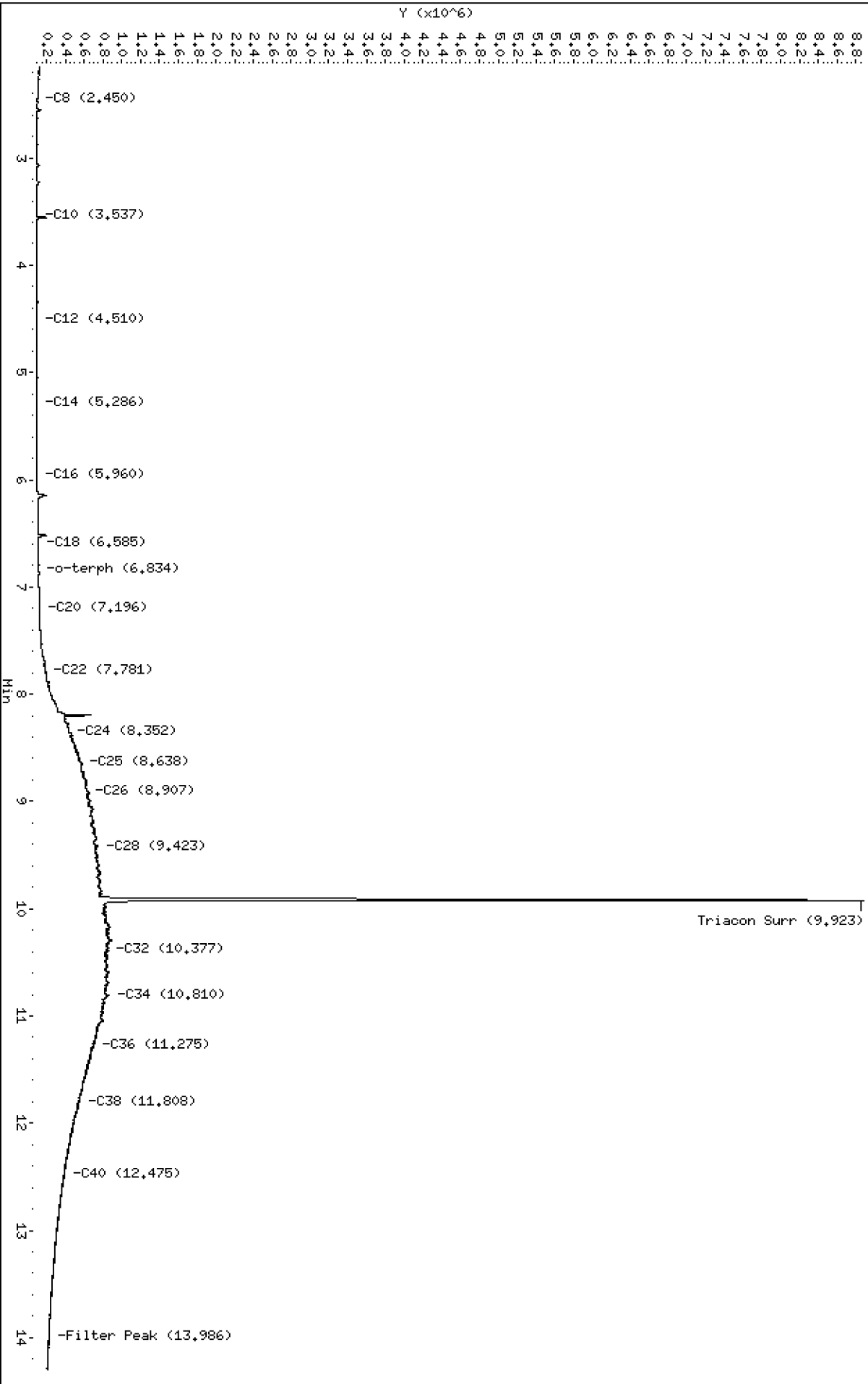
Client ID:
Sample Info: SEQ-OCV2

Column phase: RTX-1

Instrument: fid4a,1

Operator: AA/JGR
Column diameter: 0.25

\\target\share\chem2\fid4a,1\20220714,b\42261417.D



Analytical Resources Inc.
TPH Quantitation Report

Data file: 20220714.b/422G1417.D
Method: 20220714.b\FID4TPH.m
Instrument: fid4a.i, AA/JGR
Report Date: 07/15/2022
Macro: 09-SEP-2019
Calibration Dates: Gas:XX-XXX-XXXX Diesel:20-JAN-2022 M.Oil:06-JAN-2022

ARI ID: SEQ-CCV2
Client ID:
Injection: 14-JUL-2022 23:46
Dilution Factor: 1
RT Std: 422G1403.D

FID:4A RESULTS

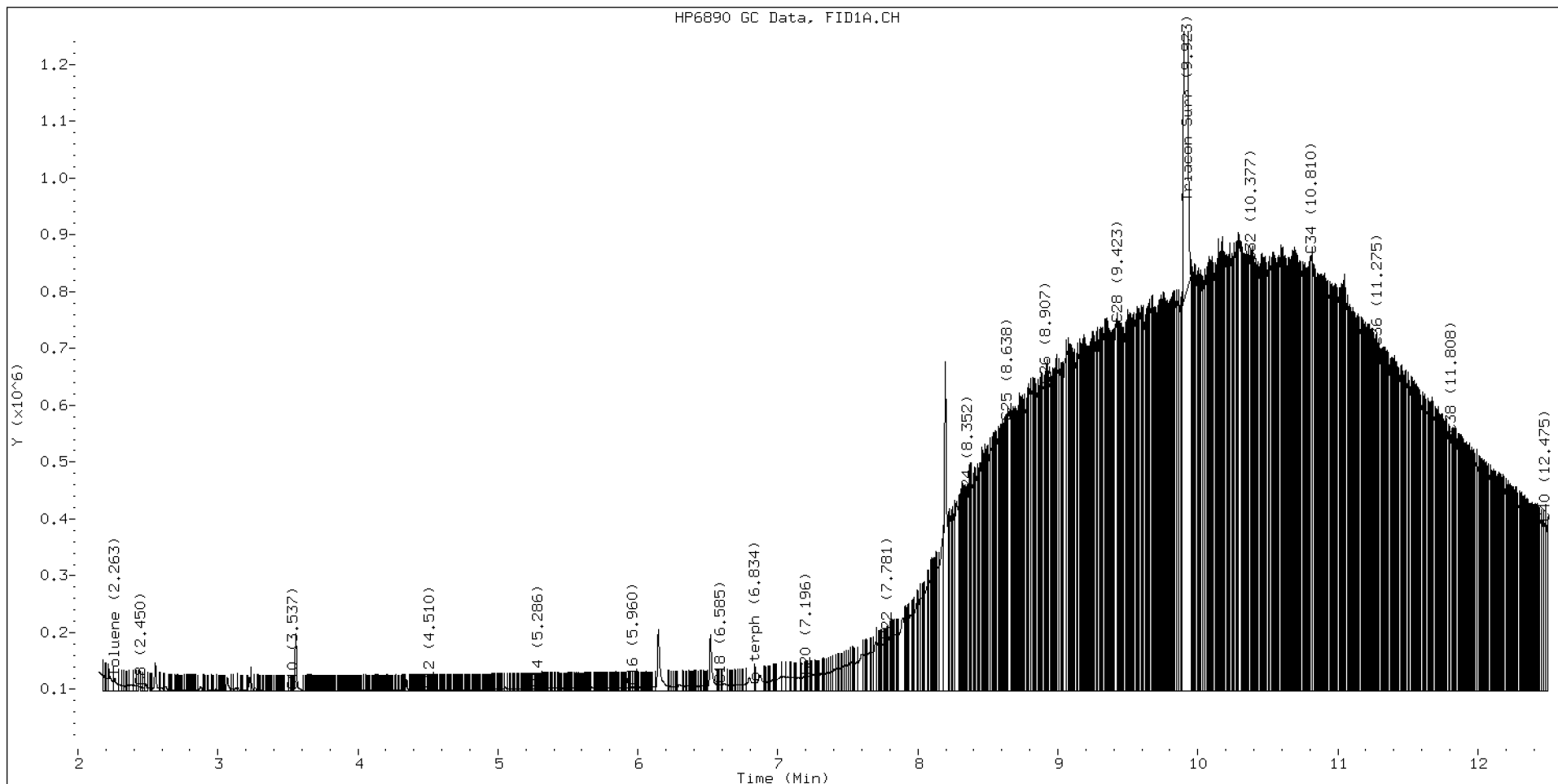
Compound	RT	Shift	Height	Area	Method	Range	Total Area	Conc (mg/L)
C8	2.450	0.005	7306	4983	WATPHD	(C12-C24)	11543869	72.8
C10	3.537	-0.003	773	190	WATPHM	(C24-C38)	127029214	958.1
C12	4.510	0.003	2099	1342	AK102	(C10-C25)	15990743	84.6
C14	5.286	0.003	4532	2225	AK103	(C25-C36)	106613691	1077.9
C16	5.960	0.003	7303	6985	OR.DIES	(C10-C28)	45075791	237.6
C18	6.585	-0.001	11668	6834				
C20	7.196	0.003	25252	10034	JET-A	(C10-C18)	1066523	6.2
C22	7.781	-0.005	87509	21816				
C24	8.352	-0.007	337105	50523				
C25	8.638	0.001	474068	164288				
C26	8.907	-0.001	537275	240599				
C28	9.423	-0.003	645621	286978				
C32	10.377	0.001	753892	262708				
C34	10.810	-0.002	767311	718106				
Filter Peak	13.986	0.003	129737	63999				
C36	11.275	0.002	605785	150882				
C38	11.808	-0.002	451587	244261				
C40	12.475	-0.001	294999	190164				
o-terph	6.834	0.017	14349	4295				
Triacon Surr	9.923	-0.018	8080962	8195001	NAS DIES	(C10-C24)	11715527	62.1

Range Times: NW Diesel(4.508 - 8.360) AK102(3.54 - 8.64) Jet A(3.54 - 6.59)
NW M.Oil(8.36 - 11.81) AK103(8.64 - 11.27) OR Diesel(3.54 - 9.43)

Surrogate	Area	Amount
o-Terphenyl	4295	0.0
Triacontane	8195001	47.0 M

M Indicates the peak was manually integrated

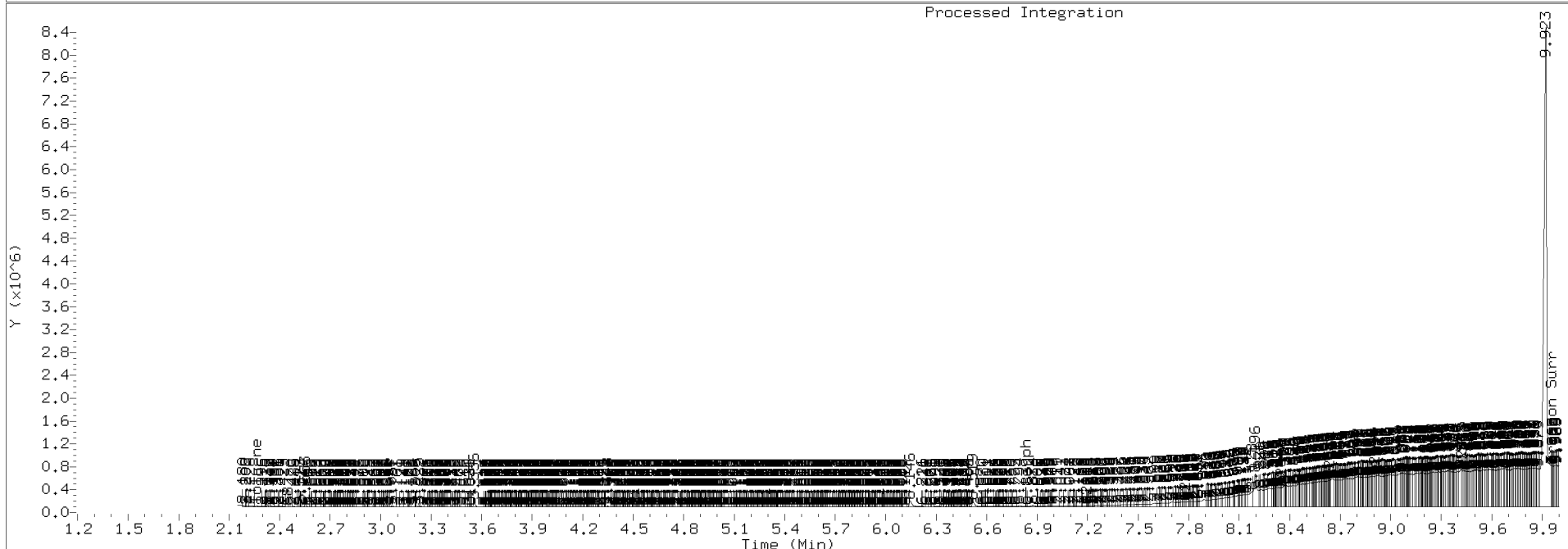
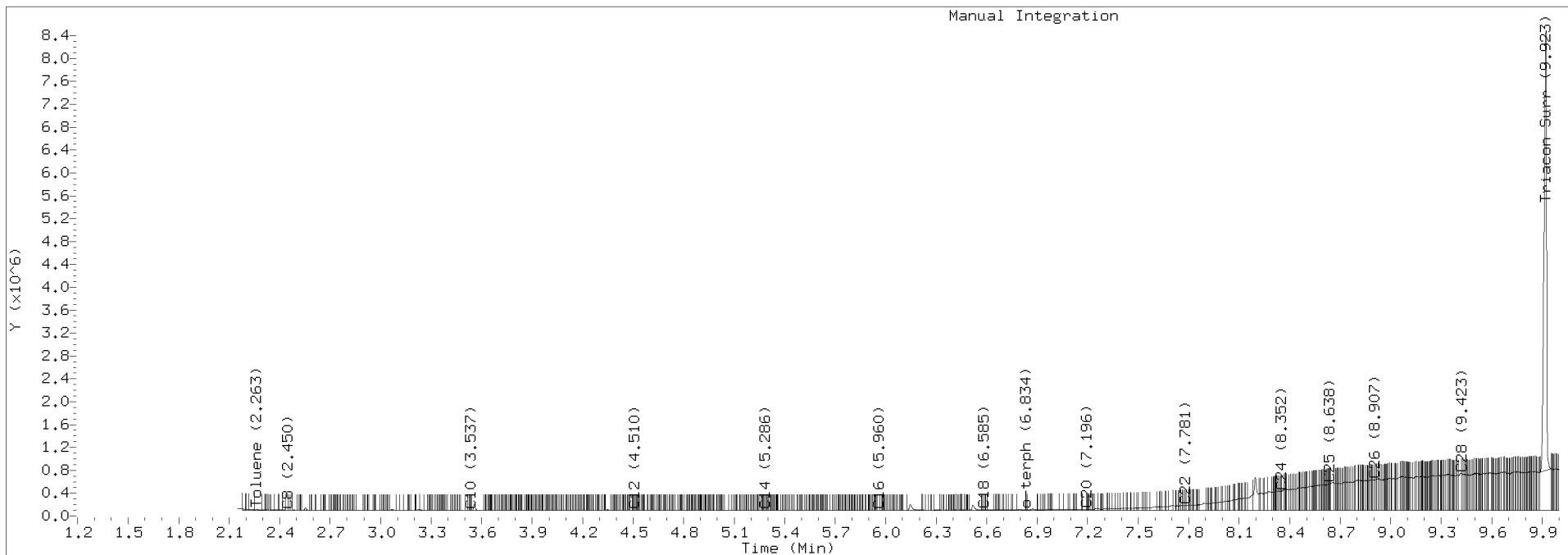
Analyte	RF	Curve Date
o-Terph Surr	203634.1	
Triacon Surr	174221.0	
Gas	15000.0	XX-XXX-XXXX
Diesel	158638.4	20-JAN-2022
Motor Oil	132579.1	06-JAN-2022
AK102	189076.1	20-JAN-2022
AK103	98909.5	06-JAN-2022
JetA	173192.9	03-MAR-2022
OR Diesel	189743.0	20-JAN-2022
NAS Diesel	188673.2	20-JAN-2022



TPH Manual Integrations Report

Datafile: FID4A, 20220714.b/422G1417.D Injection: 14-JUL-2022 23:46

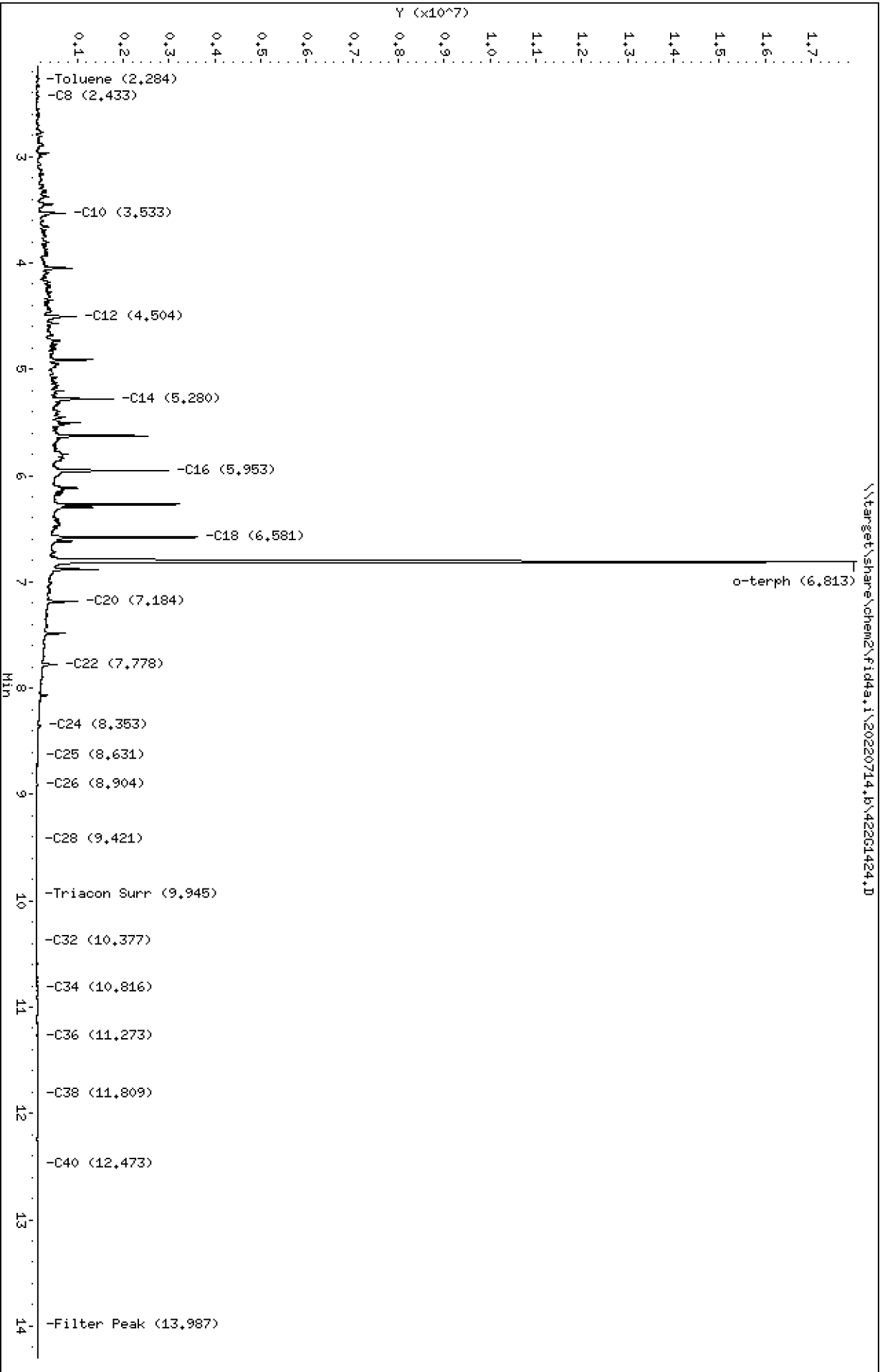
Lab ID:SEQ-CCV2



Data File: \\target\share\chem2\fid4a,1\20220714,b\42261424.D
Date: 15-JUL-2022 02:04
Client ID:
Sample Info: SEQ-OCV3

Column phase: RTX-1

Instrument: fid4a,1
Operator: AA/JGR
Column diameter: 0.25



Analytical Resources Inc.
TPH Quantitation Report

Data file: 20220714.b/422G1424.D
Method: 20220714.b\FID4TPH.m
Instrument: fid4a.i, AA/JGR
Report Date: 07/15/2022
Macro: 09-SEP-2019
Calibration Dates: Gas:XX-XXX-XXXX Diesel:20-JAN-2022 M.Oil:06-JAN-2022

ARI ID: SEQ-CCV3
Client ID:
Injection: 15-JUL-2022 02:04
Dilution Factor: 1
RT Std: 422G1403.D

FID:4A RESULTS

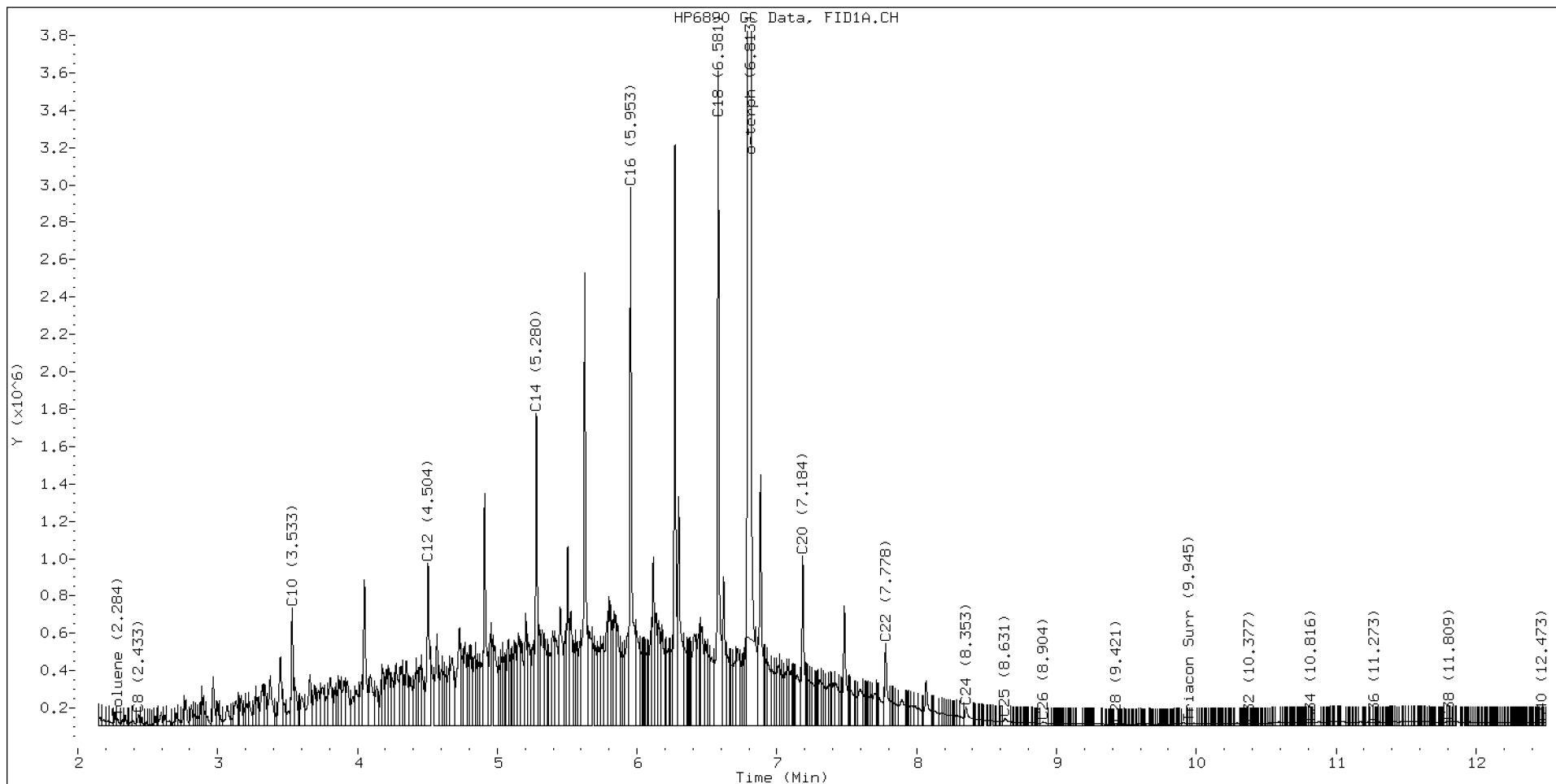
Compound	RT	Shift	Height	Area	Method	Range	Total Area	Conc (mg/L)
C8	2.433	-0.012	60624	53487	WATPHD	(C12-C24)	82334577	519.0
C10	3.533	-0.008	625271	594722	WATPHM	(C24-C38)	2496592	18.8
C12	4.504	-0.004	867323	1166688	AK102	(C10-C25)	95813929	506.7
C14	5.280	-0.004	1666472	1596072	AK103	(C25-C36)	1734397	17.5
C16	5.953	-0.004	2878750	3071555	OR.DIES	(C10-C28)	96359970	507.8
C18	6.581	-0.004	3501515	3404470				
C20	7.184	-0.009	905456	1045732	JET-A	(C10-C18)	73416174	423.9
C22	7.778	-0.009	435097	629011				
C24	8.353	-0.007	97408	213096				
C25	8.631	-0.006	38956	87967				
C26	8.904	-0.004	17368	42716				
C28	9.421	-0.005	6420	11020				
C32	10.377	0.001	9158	6361				
C34	10.816	0.004	15493	6129				
Filter Peak	13.987	0.003	16439	11377				
C36	11.273	-0.001	15283	9085				
C38	11.809	-0.001	17616	8736				
C40	12.473	-0.003	15411	5373				
o-terph	6.813	-0.004	17417421	18850766				
Triacon Surr	9.945	0.004	7195	6653	NAS DIES	(C10-C24)	95599740	506.7

Range Times: NW Diesel(4.508 - 8.360) AK102(3.54 - 8.64) Jet A(3.54 - 6.59)
NW M.Oil(8.36 - 11.81) AK103(8.64 - 11.27) OR Diesel(3.54 - 9.43)

Surrogate	Area	Amount
o-Terphenyl	18850766	92.6 M
Triacontane	6653	0.0

M Indicates the peak was manually integrated

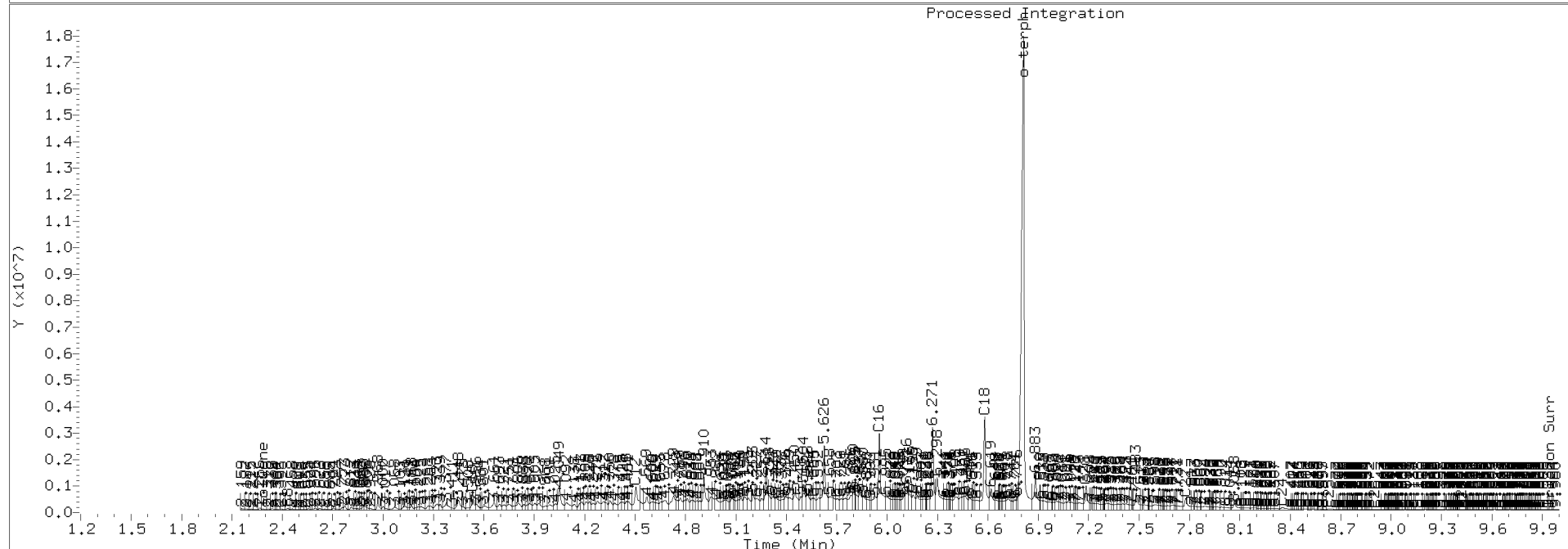
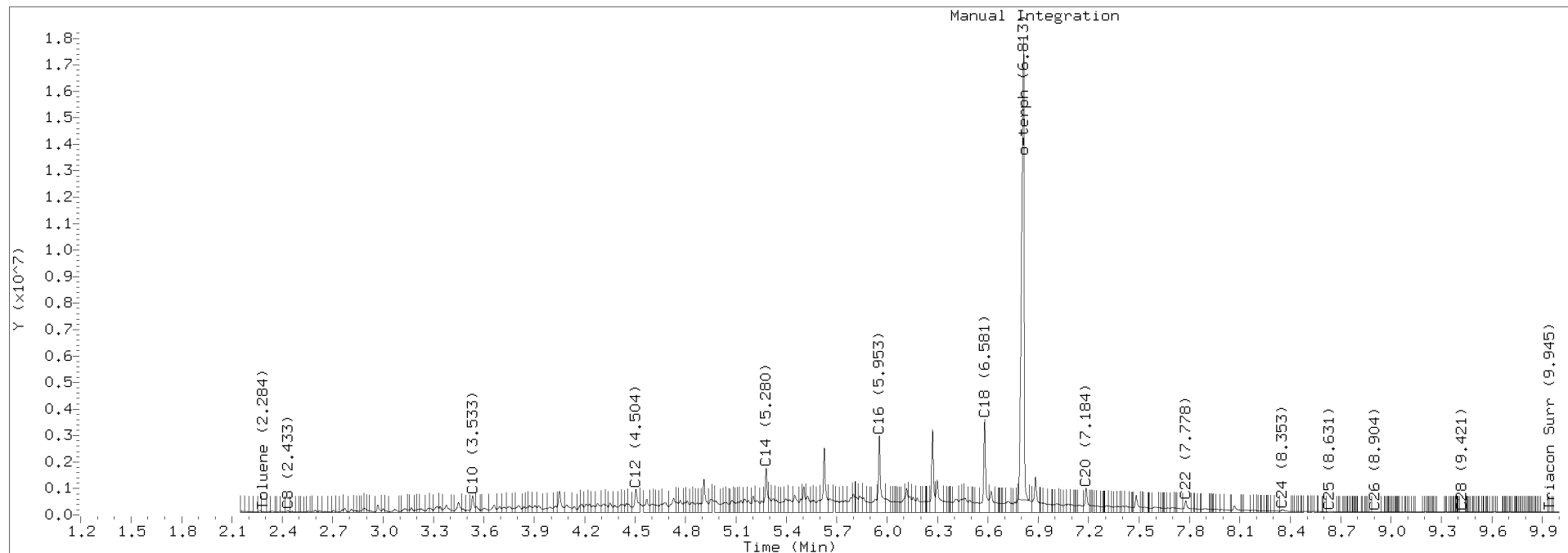
Analyte	RF	Curve Date
o-Terph Surr	203634.1	
Triacon Surr	174221.0	
Gas	15000.0	XX-XXX-XXXX
Diesel	158638.4	20-JAN-2022
Motor Oil	132579.1	06-JAN-2022
AK102	189076.1	20-JAN-2022
AK103	98909.5	06-JAN-2022
JetA	173192.9	03-MAR-2022
OR Diesel	189743.0	20-JAN-2022
NAS Diesel	188673.2	20-JAN-2022



TPH Manual Integrations Report

Datafile: FID4A, 20220714.b/422G1424.D Injection: 15-JUL-2022 02:04

Lab ID:SEQ-CCV3



Data File: \\target\share\chem2\fid4a,1\20220714,8\42261425.D

Date: 15-JUL-2022 02:24

Client ID:

Sample Info: SEQ-CCV4

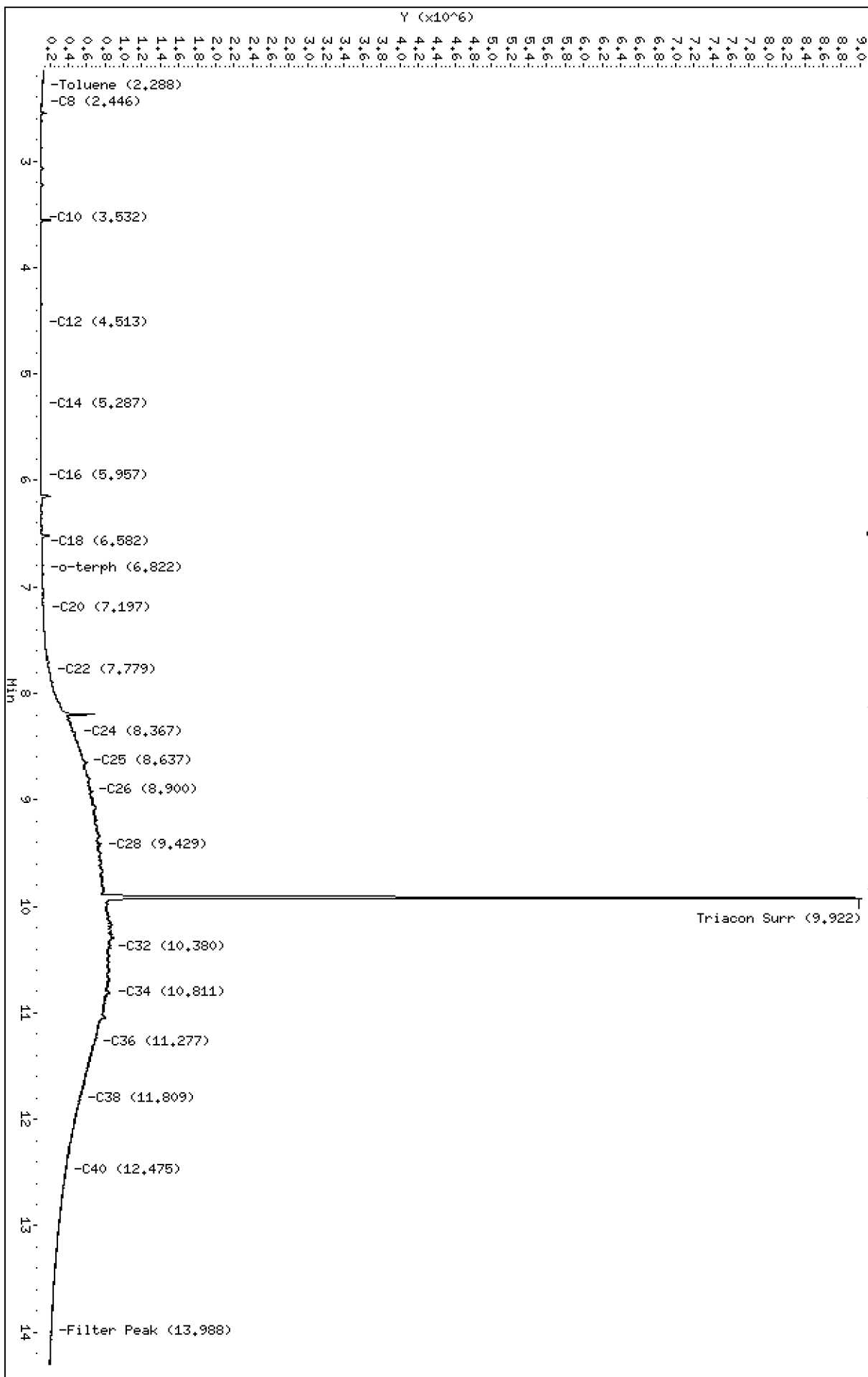
Column phase: RTX-1

Instrument: fid4a,1

Operator: AA/JGR

Column diameter: 0.25

\\target\share\chem2\fid4a,1\20220714,8\42261425.D



Analytical Resources Inc.
TPH Quantitation Report

Data file: 20220714.b/422G1425.D
Method: 20220714.b\FID4TPH.m
Instrument: fid4a.i, AA/JGR
Report Date: 07/15/2022
Macro: 09-SEP-2019
Calibration Dates: Gas:XX-XXX-XXXX Diesel:20-JAN-2022 M.Oil:06-JAN-2022

ARI ID: SEQ-CCV4
Client ID:
Injection: 15-JUL-2022 02:24
Dilution Factor: 1
RT Std: 422G1403.D

FID:4A RESULTS

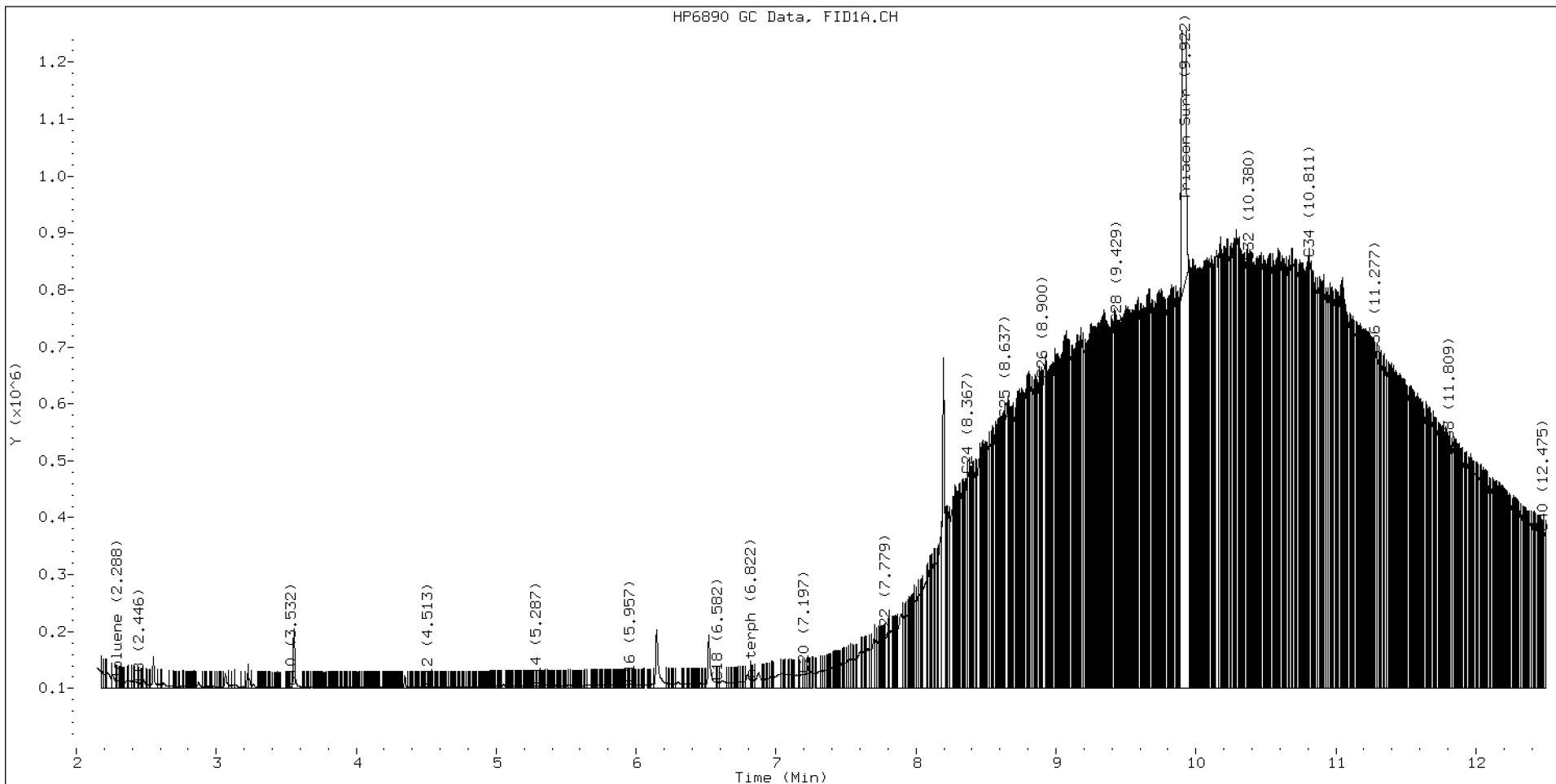
Compound	RT	Shift	Height	Area	Method	Range	Total Area	Conc (mg/L)
C8	2.446	0.000	9103	8990	WATPHD	(C12-C24)	11361977	71.6
C10	3.532	-0.009	806	434	WATPHM	(C24-C38)	125822049	949.0
C12	4.513	0.005	1153	274	AK102	(C10-C25)	15848434	83.8
C14	5.287	0.003	3330	967	AK103	(C25-C36)	105817039	1069.8
C16	5.957	-0.001	6028	2065	OR.DIES	(C10-C28)	45278078	238.6
C18	6.582	-0.003	10130	12222				
C20	7.197	0.004	23851	15401	JET-A	(C10-C18)	920863	5.3
C22	7.779	-0.007	86848	51363				
C24	8.367	0.008	373501	393156				
C25	8.637	0.000	472239	117605				
C26	8.900	-0.008	541024	295517				
C28	9.429	0.003	637728	379851				
C32	10.380	0.004	747689	222957				
C34	10.811	-0.001	754099	224705				
Filter Peak	13.988	0.005	111114	27689				
C36	11.277	0.003	584682	291236				
C38	11.809	-0.001	417601	83279				
C40	12.475	-0.000	271772	94165				
o-terph	6.822	0.005	13708	6633				
Triacon Surr	9.922	-0.020	8210089	8170539	NAS DIES	(C10-C24)	11520970	61.1

Range Times: NW Diesel(4.508 - 8.360) AK102(3.54 - 8.64) Jet A(3.54 - 6.59)
NW M.Oil(8.36 - 11.81) AK103(8.64 - 11.27) OR Diesel(3.54 - 9.43)

Surrogate	Area	Amount
o-Terphenyl	6633	0.0
Triacontane	8170539	46.9 M

M Indicates the peak was manually integrated

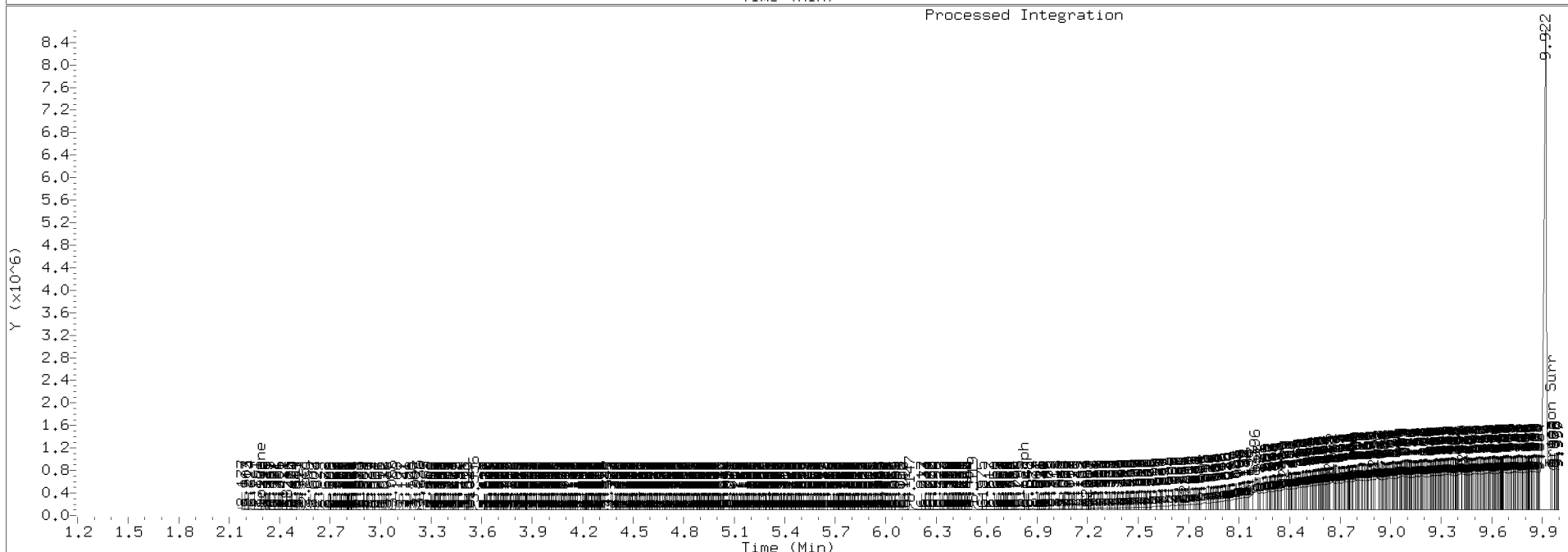
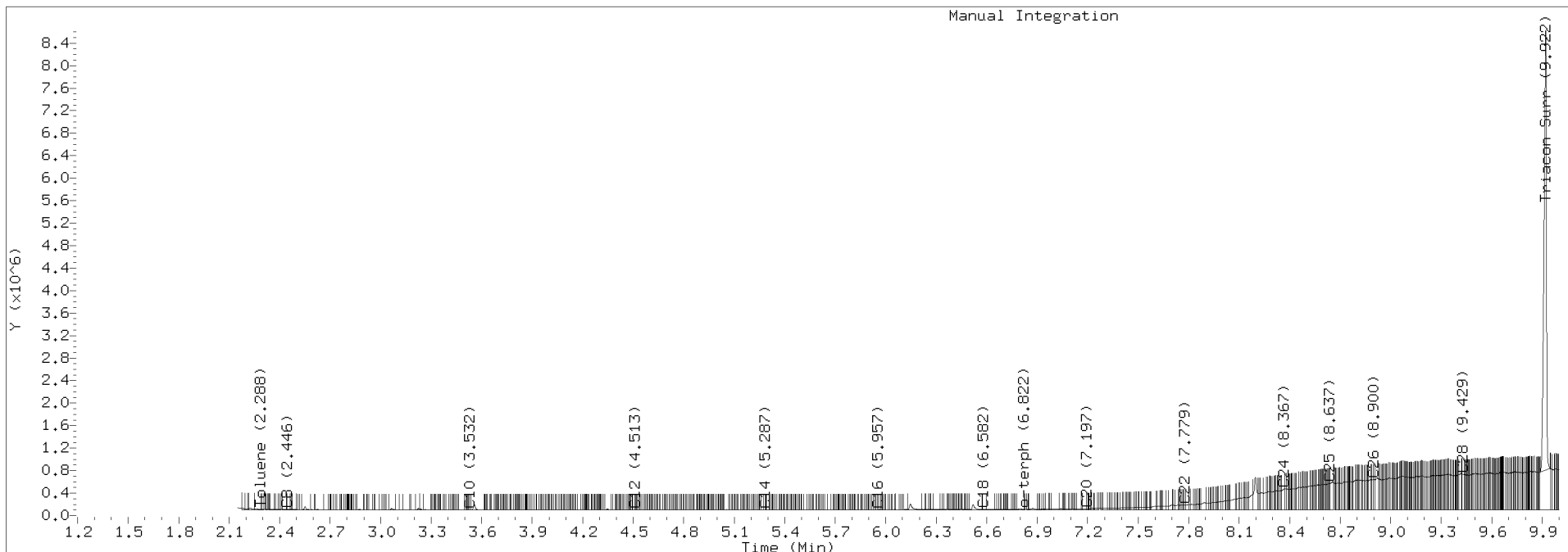
Analyte	RF	Curve Date
o-Terph Surr	203634.1	
Triacon Surr	174221.0	
Gas	15000.0	XX-XXX-XXXX
Diesel	158638.4	20-JAN-2022
Motor Oil	132579.1	06-JAN-2022
AK102	189076.1	20-JAN-2022
AK103	98909.5	06-JAN-2022
JetA	173192.9	03-MAR-2022
OR Diesel	189743.0	20-JAN-2022
NAS Diesel	188673.2	20-JAN-2022



TPH Manual Integrations Report

Datafile: FID4A, 20220714.b/422G1425.D Injection: 15-JUL-2022 02:24

Lab ID:SEQ-CCV4





ANALYSIS BATCH (SEQUENCE) SUMMARY

NWTPH-Dx

Laboratory: Analytical Resources, LLC

SDG: 22G0019

Client: GeoEngineers

Project: RG Haley Site-Bellingham

Sequence: SKA0028

Instrument: FID4

Calibration: FA00013

Sample Name	Lab Sample ID	Lab File ID	Matrix	Analysis Date/Time
Retention Time Standard	SKA0028-IBL1	422A0603.D	NA	01/06/22 09:59
Instrument Blank	SKA0028-IBL2	422A0604.D	NA	01/06/22 10:19
DIESEL 50	SKA0028-CAL1	422A0620.D	NA	01/06/22 17:04
DIESEL 100	SKA0028-CAL2	422A0621.D	NA	01/06/22 17:24
DIESEL 250	SKA0028-CAL3	422A0622.D	NA	01/06/22 17:44
DIESEL 500	SKA0028-CAL4	422A0623.D	NA	01/06/22 18:04
DIESEL 1000	SKA0028-CAL5	422A0624.D	NA	01/06/22 18:23
DIESEL 2500	SKA0028-CAL6	422A0625.D	NA	01/06/22 18:43
MOIL 100	SKA0028-CAL7	422A0626.D	NA	01/06/22 19:03
MOIL 250	SKA0028-CAL8	422A0627.D	NA	01/06/22 19:23
MOIL 500	SKA0028-CAL9	422A0628.D	NA	01/06/22 19:43
MOIL 1000	SKA0028-CALA	422A0629.D	NA	01/06/22 20:02
MOIL 2500	SKA0028-CALB	422A0630.D	NA	01/06/22 20:22
MOIL 5000	SKA0028-CALC	422A0631.D	NA	01/06/22 20:42
DIESEL SCV	SKA0028-SCV1	422A0632.D	NA	01/06/22 21:02
MOIL SCV	SKA0028-SCV2	422A0633.D	NA	01/06/22 21:21
AK103 100	SKA0028-CALD	422A0634.D	NA	01/06/22 21:41
AK103 250	SKA0028-CALE	422A0635.D	NA	01/06/22 22:01
AK103 500	SKA0028-CALF	422A0636.D	NA	01/06/22 22:21
AK103 1000	SKA0028-CALG	422A0637.D	NA	01/06/22 22:40
AK103 2500	SKA0028-CALH	422A0638.D	NA	01/06/22 23:00
AK103 5000	SKA0028-CALI	422A0639.D	NA	01/06/22 23:20



ANALYSIS SEQUENCE

SKA0028

Instrument: FID4
Calibration ID: FA00013

Printed: 1/7/2022 6:12:45PM

Lab Number	Analysis	Container	Order	Position	STD ID	ISTD ID	Client	Comments
SKA0028-IBL1	QC		1		J002430			
SKA0028-IBL2	QC		2		J012751			
SKA0028-CAL1	QC		3		K000192			
SKA0028-CAL2	QC		4		K000193			
SKA0028-CAL3	QC		5		K000194			
SKA0028-CAL4	QC		6		K000195			
SKA0028-CAL5	QC		7		K000196			
SKA0028-CAL6	QC		8		J012752			
SKA0028-CAL7	QC		9		J011839			
SKA0028-CAL8	QC		10		J011838			
SKA0028-CAL9	QC		11		J011837			
SKA0028-CALA	QC		12		J011836			
SKA0028-CALB	QC		13		J011835			
SKA0028-CALC	QC		14		J010293			
SKA0028-SCV1	QC		15		J009677			
SKA0028-SCV2	QC		16		J012167			
SKA0028-CALD	QC		17		J012178			
SKA0028-CALE	QC		18		J012179			
SKA0028-CALF	QC		19		J012180			
SKA0028-CALG	QC		20		J012181			
SKA0028-CALH	QC		21		J012182			

Samples Loaded By _____ Date _____

Data Processed By _____ Date _____

GC LOG SUMMARY FOR DATABATCH - fid4a.i\20220106.b

	Inject	Date/Time	Filename	DF	LabID	ClientID
1	06-JAN-2022	09:20	422A0601.D	1	RINSE	
2	06-JAN-2022	09:40	422A0602.D	1	RINSE	
3	06-JAN-2022	09:59	422A0603.D	1	SKA0028-IBL1	
4	06-JAN-2022	10:19	422A0604.D	1	SKA0028-IBL2	
5	06-JAN-2022	10:39	422A0605.D	1	SKA0028-ICV1	
6	06-JAN-2022	10:59	422A0606.D	1	SKA0028-ICV2	
7	06-JAN-2022	11:19	422A0607.D	1	BKA0056-BLK1	
8	06-JAN-2022	11:38	422A0608.D	1	BKA0056-BS1	
9	06-JAN-2022	11:58	422A0609.D	1	BKA0056-MRL1	
10	06-JAN-2022	12:18	422A0610.D	1	BKA0056-MRL2	
11	06-JAN-2022	12:38	422A0611.D	1	22A0041-01	
12	06-JAN-2022	12:58	422A0612.D	10	22A0041-01	
13	06-JAN-2022	13:17	422A0613.D	10	22A0041-02	
14	06-JAN-2022	13:37	422A0614.D	20	22A0041-01	
15	06-JAN-2022	13:57	422A0615.D	20	22A0041-02	
16	06-JAN-2022	14:17	422A0616.D	20	22A0041-03	
17	06-JAN-2022	14:37	422A0617.D	20	22A0041-04	
18	06-JAN-2022	14:56	422A0618.D	1	SKA0028-CCV1	
19	06-JAN-2022	15:16	422A0619.D	1	SKA0028-CCV2	
20	06-JAN-2022	17:04	422A0620.D	1	SKA0028-CAL1	
21	06-JAN-2022	17:24	422A0621.D	1	SKA0028-CAL2	
22	06-JAN-2022	17:44	422A0622.D	1	SKA0028-CAL3	
23	06-JAN-2022	18:04	422A0623.D	1	SKA0028-CAL4	
24	06-JAN-2022	18:23	422A0624.D	1	SKA0028-CAL5	
25	06-JAN-2022	18:43	422A0625.D	1	SKA0028-CAL6	
26	06-JAN-2022	19:03	422A0626.D	1	SKA0028-CAL7	
27	06-JAN-2022	19:23	422A0627.D	1	SKA0028-CAL8	
28	06-JAN-2022	19:43	422A0628.D	1	SKA0028-CAL9	
29	06-JAN-2022	20:02	422A0629.D	1	SKA0028-CALA	
30	06-JAN-2022	20:22	422A0630.D	1	SKA0028-CALB	
31	06-JAN-2022	20:42	422A0631.D	1	SKA0028-CALC	
32	06-JAN-2022	21:02	422A0632.D	1	SKA0028-SCV1	
33	06-JAN-2022	21:21	422A0633.D	1	SKA0028-SCV2	
34	06-JAN-2022	21:41	422A0634.D	1	SKA0028-CALD	
35	06-JAN-2022	22:01	422A0635.D	1	SKA0028-CALE	
36	06-JAN-2022	22:21	422A0636.D	1	SKA0028-CALF	
37	06-JAN-2022	22:40	422A0637.D	1	SKA0028-CALG	
38	06-JAN-2022	23:00	422A0638.D	1	SKA0028-CALH	
39	06-JAN-2022	23:20	422A0639.D	1	SKA0028-CALI	
40	06-JAN-2022	23:40	422A0640.D	1	SKA0028-SCV3	

MANUAL INTEGRATION SUMMARY FOR DATABATCH - \\target\share\chem2\fid4a.i\20220106.b

ARI Job No.: RINS Method: FID4TPH.m Instrument: fid4a.i Date: 06-JAN-2022

Time	Filename	LabID	ClientId	DF	Manually Integrated Compounds
0920	422A0601.D	RINSE		1	NO MANUAL INTEGRATION
0940	422A0602.D	RINSE		1	NO MANUAL INTEGRATION
0959	422A0603.D	SKA0028-IBL1		1	Toluene,
1019	422A0604.D	SKA0028-IBL2		1	NO MANUAL INTEGRATION
1039	422A0605.D	SKA0028-ICV1		1	o-terph,
1059	422A0606.D	SKA0028-ICV2		1	Triacon Surr,
1119	422A0607.D	BKA0056-BLK1		1	NO MANUAL INTEGRATION
1138	422A0608.D	BKA0056-BS1		1	o-terph,
1158	422A0609.D	BKA0056-MRL1		1	o-terph, Triacon Surr,
1218	422A0610.D	BKA0056-MRL2		1	o-terph, Triacon Surr,
1238	422A0611.D	22A0041-01		1	o-terph,
1258	422A0612.D	22A0041-01		10	Triacon Surr,
1317	422A0613.D	22A0041-02		10	NO MANUAL INTEGRATION
1337	422A0614.D	22A0041-01		20	o-terph, Triacon Surr,
1357	422A0615.D	22A0041-02		20	o-terph, Triacon Surr,
1417	422A0616.D	22A0041-03		20	o-terph, Triacon Surr,
1437	422A0617.D	22A0041-04		20	NO MANUAL INTEGRATION

MANUAL INTEGRATION SUMMARY FOR DATABATCH - \\target\share\chem2\fid4a.i\20220106.b

Time	Filename	LabID	ClientId	DF	Manually Integrated Compounds
1456	422A0618.D	SKA0028-CCV1		1	o-terph,
1516	422A0619.D	SKA0028-CCV2		1	NO MANUAL INTEGRATION
1704	422A0620.D	SKA0028-CAL1		1	o-terph,
1724	422A0621.D	SKA0028-CAL2		1	o-terph,
1744	422A0622.D	SKA0028-CAL3		1	o-terph,
1804	422A0623.D	SKA0028-CAL4		1	o-terph,
1823	422A0624.D	SKA0028-CAL5		1	o-terph,
1843	422A0625.D	SKA0028-CAL6		1	o-terph,
1903	422A0626.D	SKA0028-CAL7		1	Triacon Surr,
1923	422A0627.D	SKA0028-CAL8		1	Triacon Surr,
1943	422A0628.D	SKA0028-CAL9		1	Triacon Surr,
2002	422A0629.D	SKA0028-CALA		1	Triacon Surr,
2022	422A0630.D	SKA0028-CALB		1	Triacon Surr,
2042	422A0631.D	SKA0028-CALC		1	Triacon Surr,
2102	422A0632.D	SKA0028-SCV1		1	NO MANUAL INTEGRATION
2121	422A0633.D	SKA0028-SCV2		1	NO MANUAL INTEGRATION
2141	422A0634.D	SKA0028-CALD		1	Triacon Surr,
2201	422A0635.D	SKA0028-CALE		1	Triacon Surr,

MANUAL INTEGRATION SUMMARY FOR DATABATCH - \\target\share\chem2\fid4a.i\20220106.b

Time	Filename	LabID	ClientId	DF	Manually Integrated Compounds
2221	422A0636.D	SKA0028-CALF		1	Triacon Surr,
2240	422A0637.D	SKA0028-CALG		1	Triacon Surr,
2300	422A0638.D	SKA0028-CALH		1	Triacon Surr,
2320	422A0639.D	SKA0028-CALI		1	Triacon Surr,
2340	422A0640.D	SKA0028-SCV3		1	Triacon Surr,

Security Status Report

Date: 07-Jan-2022 18:09

422A0601.D	Data Locked	tokala,	07-Jan-2022	17:54
422A0602.D	Data Locked	tokala,	07-Jan-2022	17:54
422A0603.D	Data Locked	tokala,	07-Jan-2022	17:54
422A0604.D	Data Locked	tokala,	07-Jan-2022	17:54
422A0605.D	Data Locked	tokala,	07-Jan-2022	17:54
422A0606.D	Data Locked	tokala,	07-Jan-2022	17:54
422A0607.D	Data Locked	tokala,	07-Jan-2022	17:54
422A0608.D	Data Locked	tokala,	07-Jan-2022	17:54
422A0609.D	Data Locked	tokala,	07-Jan-2022	17:54
422A0610.D	Data Locked	tokala,	07-Jan-2022	17:54
422A0611.D	Data Locked	tokala,	07-Jan-2022	17:54
422A0612.D	Data Locked	tokala,	07-Jan-2022	17:54
422A0613.D	Data Locked	tokala,	07-Jan-2022	17:54
422A0614.D	Data Locked	tokala,	07-Jan-2022	17:54
422A0615.D	Data Locked	tokala,	07-Jan-2022	17:54
422A0616.D	Data Locked	tokala,	07-Jan-2022	17:54
422A0617.D	Data Locked	tokala,	07-Jan-2022	17:54
422A0618.D	Data Locked	tokala,	07-Jan-2022	17:54
422A0619.D	Data Locked	tokala,	07-Jan-2022	17:54
422A0620.D	Data Locked	tokala,	07-Jan-2022	17:54
422A0621.D	Data Locked	tokala,	07-Jan-2022	17:54
422A0622.D	Data Locked	tokala,	07-Jan-2022	17:54
422A0623.D	Data Locked	tokala,	07-Jan-2022	17:54
422A0624.D	Data Locked	tokala,	07-Jan-2022	17:54
422A0625.D	Data Locked	tokala,	07-Jan-2022	17:54
422A0626.D	Data Locked	tokala,	07-Jan-2022	17:54
422A0627.D	Data Locked	tokala,	07-Jan-2022	17:54
422A0628.D	Data Locked	tokala,	07-Jan-2022	17:54
422A0629.D	Data Locked	tokala,	07-Jan-2022	17:54
422A0630.D	Data Locked	tokala,	07-Jan-2022	17:54
422A0631.D	Data Locked	tokala,	07-Jan-2022	17:54
422A0632.D	Data Locked	tokala,	07-Jan-2022	17:54
422A0633.D	Data Locked	tokala,	07-Jan-2022	17:54
422A0634.D	Data Locked	tokala,	07-Jan-2022	17:54
422A0635.D	Data Locked	tokala,	07-Jan-2022	17:54
422A0636.D	Data Locked	tokala,	07-Jan-2022	17:54
422A0637.D	Data Locked	tokala,	07-Jan-2022	17:54
422A0638.D	Data Locked	tokala,	07-Jan-2022	17:54
422A0639.D	Data Locked	tokala,	07-Jan-2022	17:54
422A0640.D	Data Locked	tokala,	07-Jan-2022	17:54



ANALYSIS BATCH (SEQUENCE) SUMMARY
NWTPH-Dx

Laboratory: Analytical Resources, LLC

SDG: 22G0019

Client: GeoEngineers

Project: RG Haley Site-Bellingham

Sequence: SKA0208

Instrument: FID4

Calibration: FA00054

Sample Name	Lab Sample ID	Lab File ID	Matrix	Analysis Date/Time
Retention Time Standard	SKA0208-IBL1	422A2003.D	NA	01/20/22 11:11
Instrument Blank	SKA0208-IBL2	422A2004.D	NA	01/20/22 11:31
DIESEL 50	SKA0208-CAL1	422A2005.D	NA	01/20/22 11:51
DIESEL 100	SKA0208-CAL2	422A2006.D	NA	01/20/22 12:11
DIESEL 250	SKA0208-CAL3	422A2007.D	NA	01/20/22 12:30
DIESEL 500	SKA0208-CAL4	422A2008.D	NA	01/20/22 12:50
DIESEL 1000	SKA0208-CAL5	422A2009.D	NA	01/20/22 13:10
DIESEL 2500	SKA0208-CAL6	422A2010.D	NA	01/20/22 13:30
DIESEL SCV	SKA0208-SCV1	422A2011.D	NA	01/20/22 13:50



ANALYSIS SEQUENCE

SKA0208

Instrument: FID4
Calibration ID: FA00054

Printed: 1/31/2022 12:44:05PM

Lab Number	Analysis	Container	Order	Position	STD ID	ISTD ID	Client	Comments
SKA0208-IBL1	QC		1		J002430			
SKA0208-IBL2	QC		2		J012751			
SKA0208-CAL1	QC		3		K000192			
SKA0208-CAL2	QC		4		K000193			
SKA0208-CAL3	QC		5		K000194			
SKA0208-CAL4	QC		6		K000195			
SKA0208-CAL5	QC		7		K000196			
SKA0208-CAL6	QC		8		J012752			
SKA0208-SCV1	QC		9		J009677			

Samples Loaded By

Date

Data Processed By

Date

GC LOG SUMMARY FOR DATABATCH - \\target\share\chem2\fid4a.i\20220120.b

	Inject	Date/Time	Filename	DF	LabID	ClientID
1	20-JAN-2022	10:32	422A2001.D	1	RINSE	
2	20-JAN-2022	10:51	422A2002.D	1	RINSE	
3	20-JAN-2022	11:11	422A2003.D	1	SKA0208-IBL1	
4	20-JAN-2022	11:31	422A2004.D	1	SKA0208-IBL2	
5	20-JAN-2022	11:51	422A2005.D	1	SKA0208-CAL1	
6	20-JAN-2022	12:11	422A2006.D	1	SKA0208-CAL2	
7	20-JAN-2022	12:30	422A2007.D	1	SKA0208-CAL3	
8	20-JAN-2022	12:50	422A2008.D	1	SKA0208-CAL4	
9	20-JAN-2022	13:10	422A2009.D	1	SKA0208-CAL5	
10	20-JAN-2022	13:30	422A2010.D	1	SKA0208-CAL6	
11	20-JAN-2022	13:50	422A2011.D	1	SKA0208-SCV1	

MANUAL INTEGRATION SUMMARY FOR DATABATCH - \\target\share\chem2\fid4a.i\20220120.b

ARI Job No.: RINS Method: FID4TPH.m Instrument: fid4a.i Date: 20-JAN-2022

Time	Filename	LabID	ClientId	DF	Manually Integrated Compounds
1032	422A2001.D	RINSE		1	NO MANUAL INTEGRATION
1051	422A2002.D	RINSE		1	NO MANUAL INTEGRATION
1111	422A2003.D	SKA0208-IBL1		1	NO MANUAL INTEGRATION
1131	422A2004.D	SKA0208-IBL2		1	NO MANUAL INTEGRATION
1151	422A2005.D	SKA0208-CAL1		1	o-terph,
1211	422A2006.D	SKA0208-CAL2		1	o-terph,
1230	422A2007.D	SKA0208-CAL3		1	o-terph,
1250	422A2008.D	SKA0208-CAL4		1	o-terph,
1310	422A2009.D	SKA0208-CAL5		1	o-terph,
1330	422A2010.D	SKA0208-CAL6		1	o-terph,
1350	422A2011.D	SKA0208-SCV1		1	NO MANUAL INTEGRATION

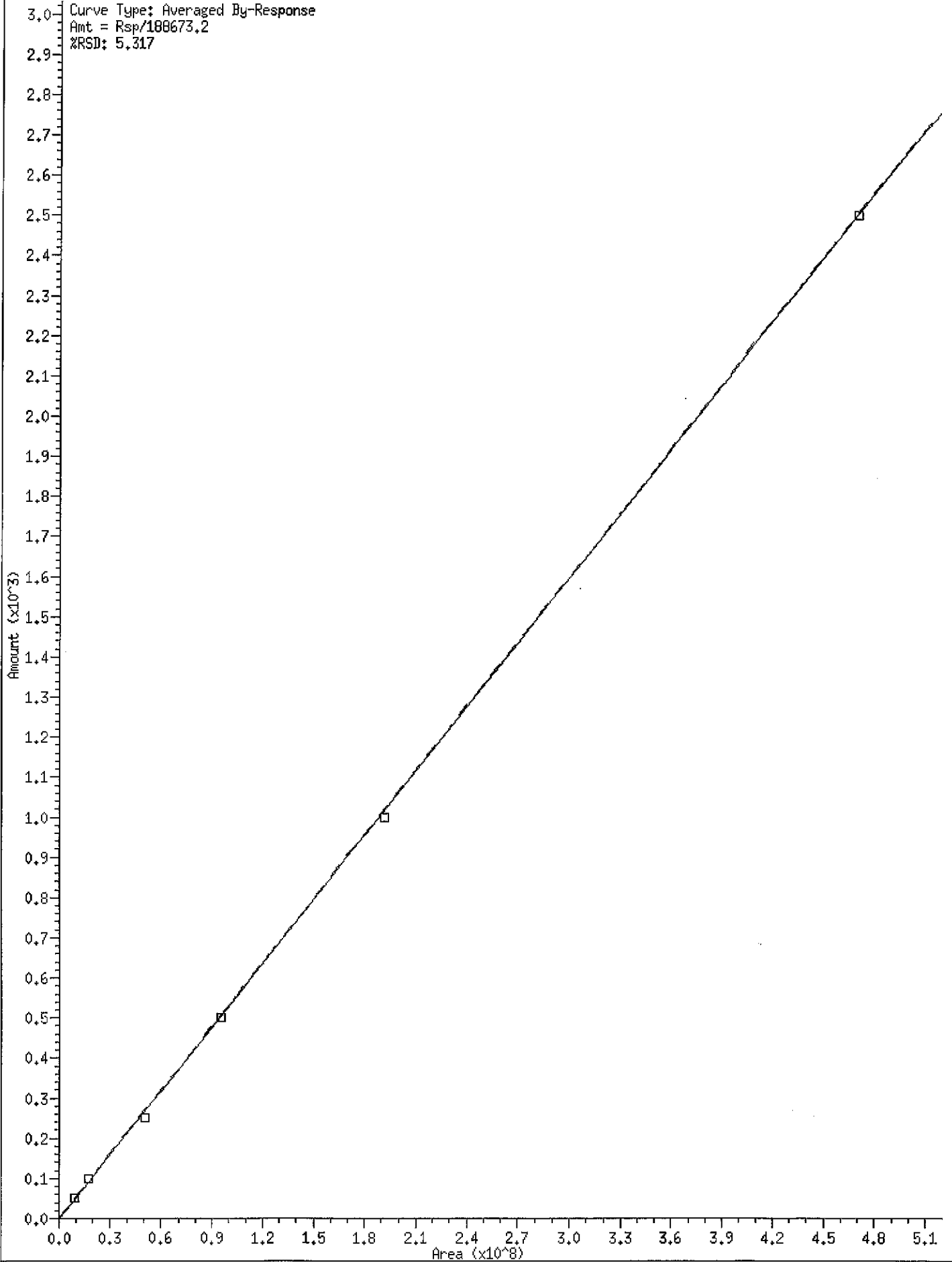
Security Status Report

Date: 31-Jan-2022 12:44

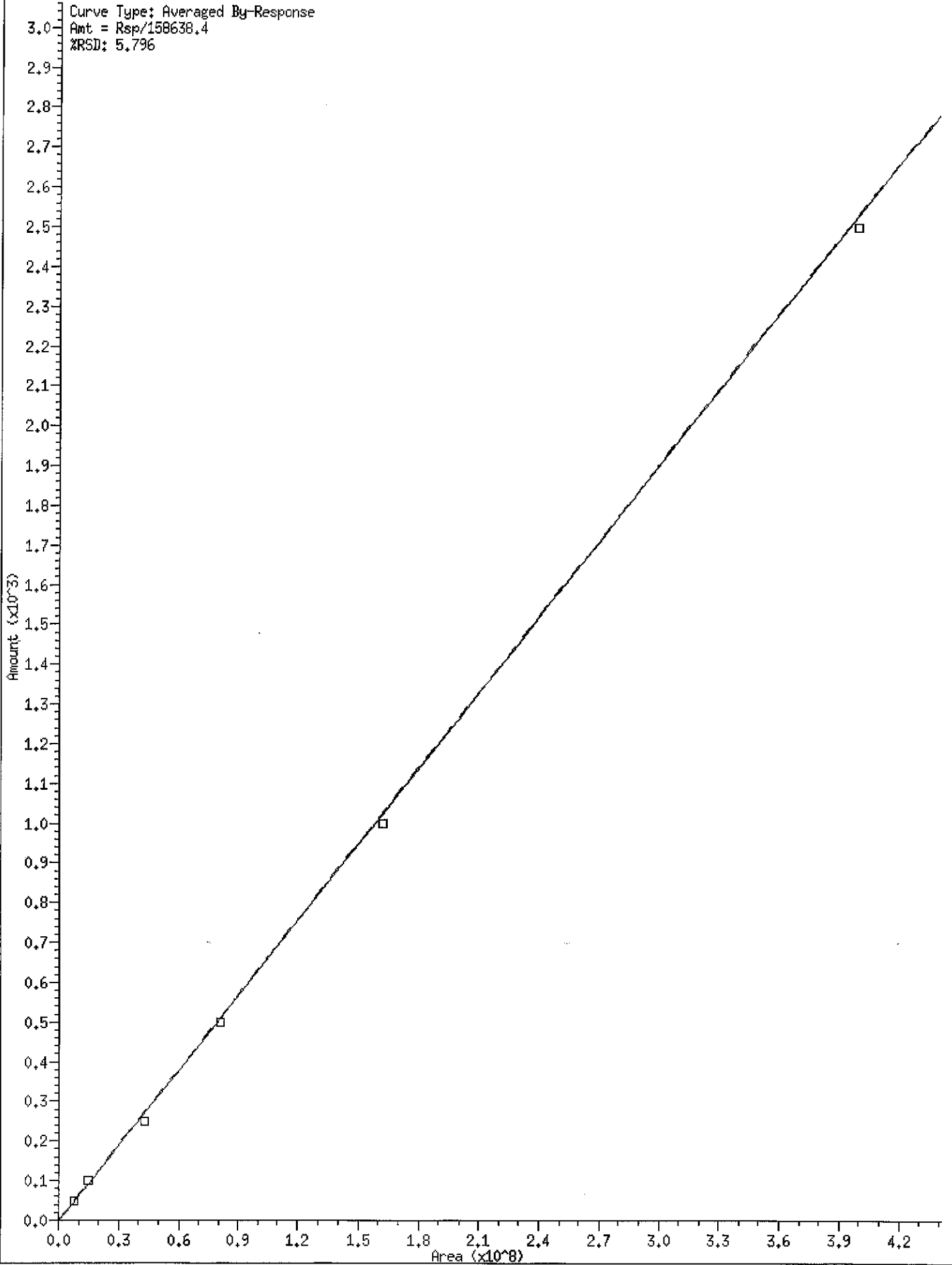
422A2001.D	Data Locked	victoria, 21-Jan-2022 13:24
422A2002.D	Data Locked	victoria, 21-Jan-2022 13:24
422A2003.D	Data Locked	victoria, 21-Jan-2022 13:24
422A2004.D	Data Locked	victoria, 21-Jan-2022 13:24
422A2005.D	Data Locked	victoria, 21-Jan-2022 13:24
422A2006.D	Data Locked	victoria, 21-Jan-2022 13:24
422A2007.D	Data Locked	victoria, 21-Jan-2022 13:24
422A2008.D	Data Locked	victoria, 21-Jan-2022 13:24
422A2009.D	Data Locked	victoria, 21-Jan-2022 13:24
422A2010.D	Data Locked	victoria, 21-Jan-2022 13:24
422A2011.D	Data Locked	victoria, 28-Jan-2022 13:52

40 NAS Diesel

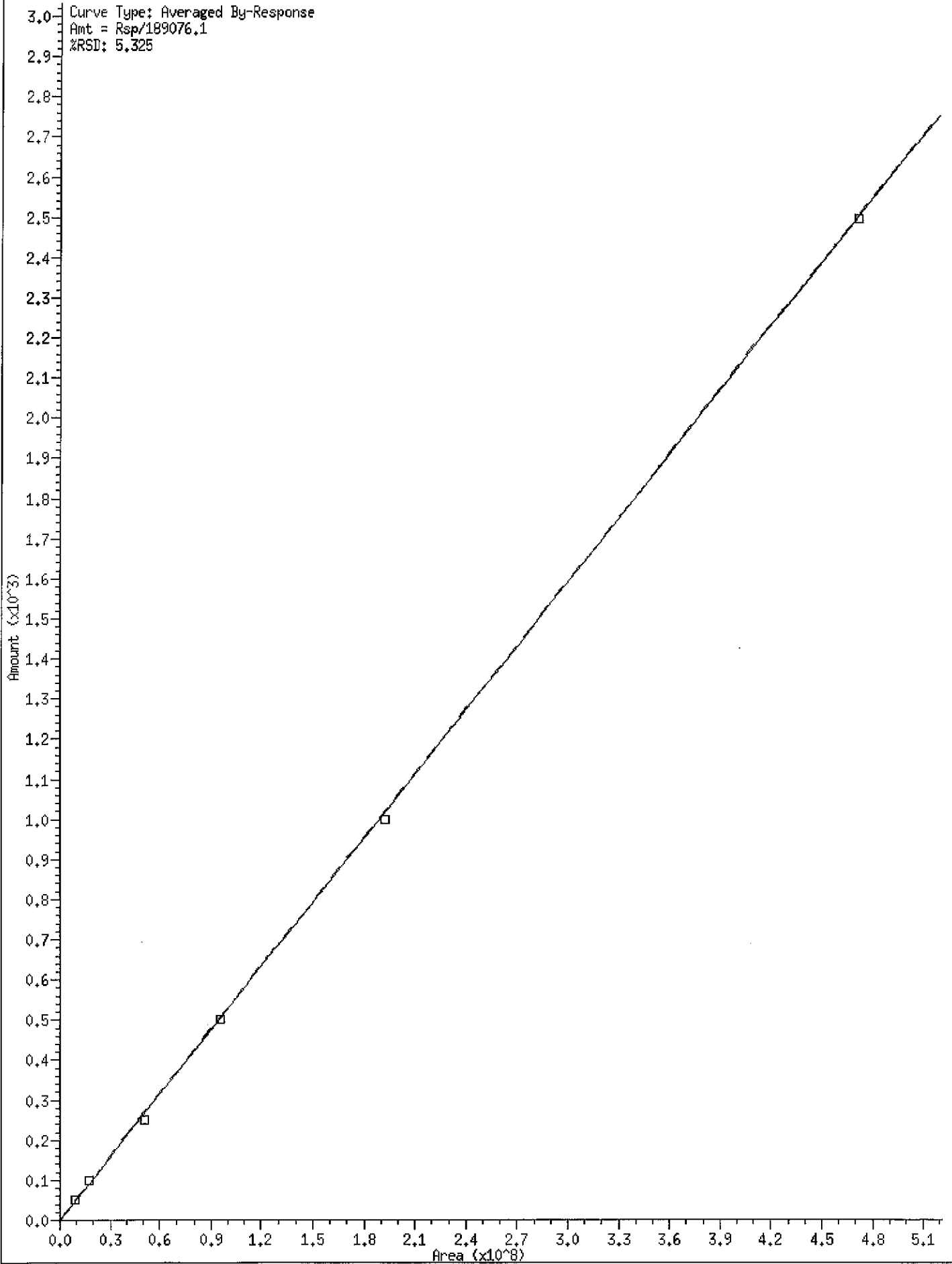
Curve Type: Averaged By-Response
Amt = Rsp/188673.2
%RSD: 5.317



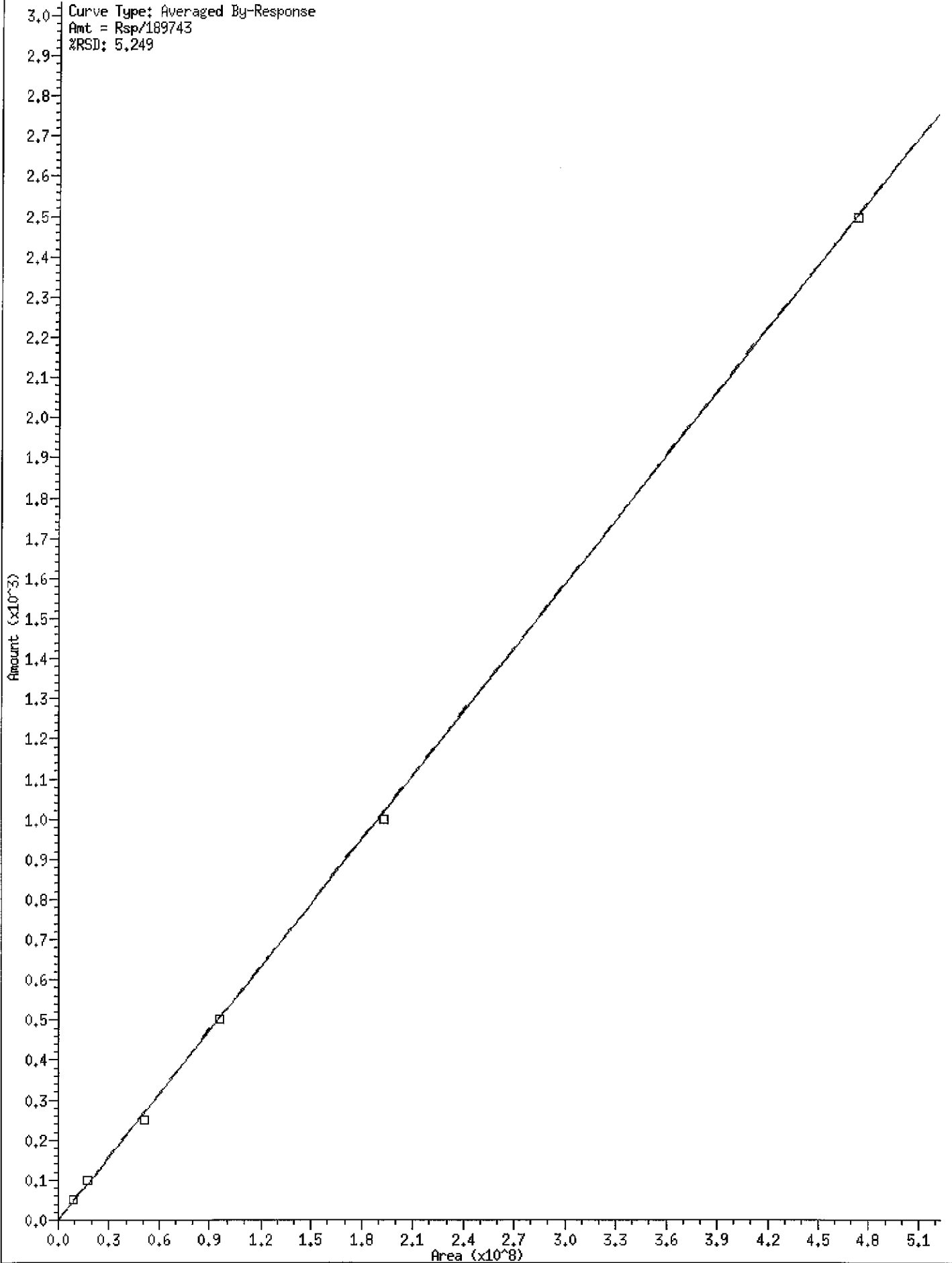
Curve Type: Averaged By-Response
Amt = Rsp/158638.4
%RSD: 5.796



Curve Type: Averaged By-Response
Amt = Resp/189076.1
%RSD: 5.325



39 OR Diesel

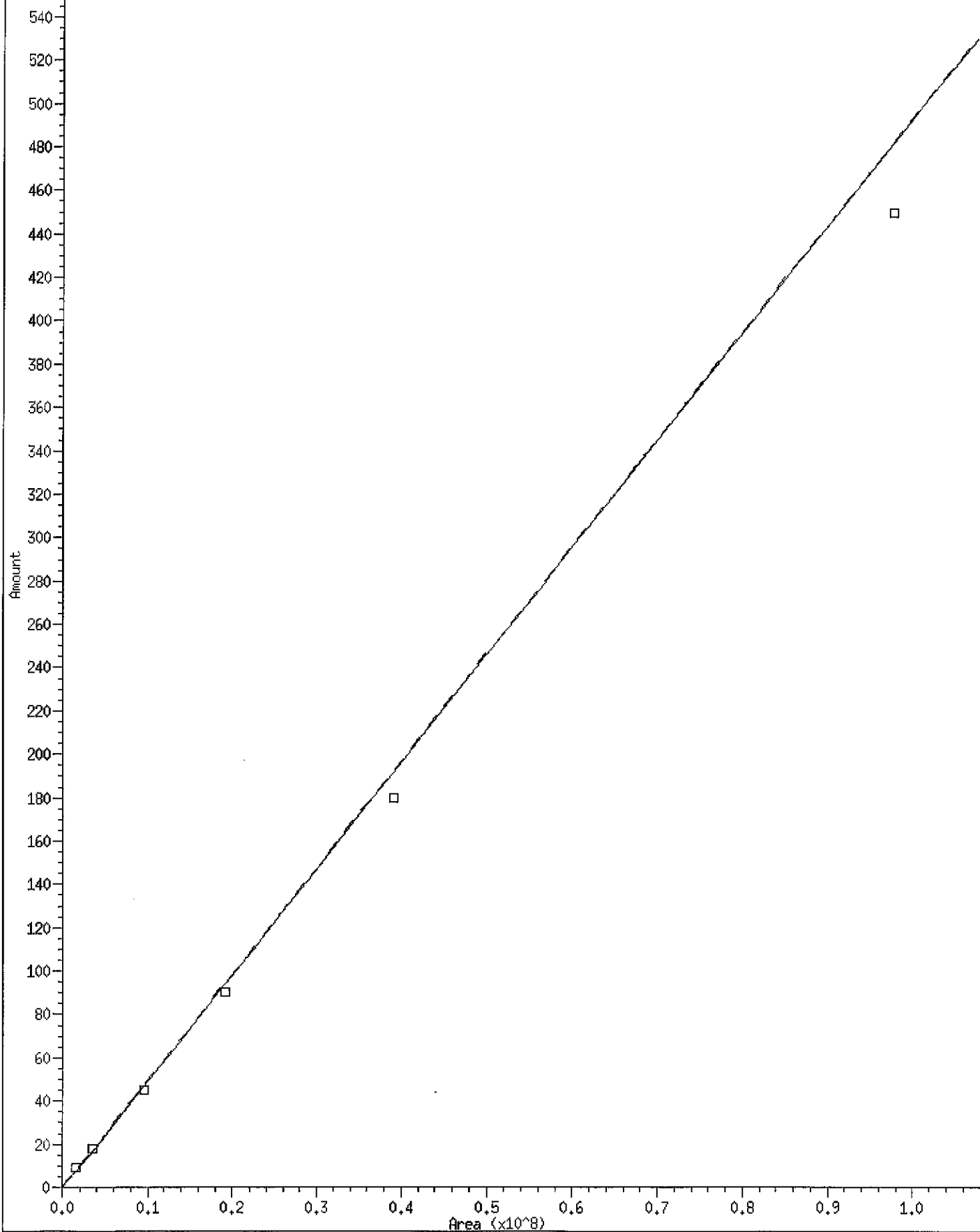


* 8 a-terph

Curve Type: Averaged By-Response

Amt = Rsp/203634.1

%RSD: 9.902



ARI Labs, Inc.
RETENTION TIME SUMMARY REPORT

Method File: \\target\share\chem2\fid4a.i\20220120.b\FID4TPH.m
Batch File: \\target\share\chem2\fid4a.i\20220120.b
Inst ID: fid4a.i

ID:	RT01	RT02	RT03	RT04	RT05	RT06	RT07	RT08
FILENAME:	422A2003	422A2004	422A2005	422A2006	422A2007	422A2008	422A2009	422A2010
INJ. DATE:	20-JAN-2022	20-JAN-2022	20-JAN-2022	20-JAN-2022	20-JAN-2022	20-JAN-2022	20-JAN-2022	20-JAN-2022
INJ. TIME:	11:11	11:31	11:51	12:11	12:30	12:50	13:10	13:30

Compound	RT01	RT02	RT03	RT04	RT05	RT06	RT07	RT08	EXPEC RT	RT WINDOW	AVG RT	STD DEV
1 Toluene	1.395	1.393	1.389	1.400	1.389	1.389	1.389	1.394	1.395	1.295-1.495	1.392	0.004
38 NewCpnd_31	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	1.000	0.950-1.050	+++++	+++++
35 Mineral Oil	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	1.015	0.965-1.065	+++++	+++++
41 Mineral Spirits	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	1.000	0.950-1.050	+++++	+++++
2 C8	1.543	1.540	1.535	1.552	1.536	1.536	1.536	1.542	1.543	1.443-1.643	1.540	0.006
3 C10	2.787	2.785	2.783	2.783	2.783	2.783	2.784	2.786	2.787	2.737-2.837	2.784	0.002
4 C12	3.848	3.848	3.844	3.845	3.844	3.845	3.847	3.851	3.848	3.798-3.898	3.847	0.003
5 C14	4.657	4.657	4.653	4.654	4.654	4.655	4.658	4.664	4.657	4.607-4.707	4.657	0.003
6 C16	5.345	5.347	5.340	5.341	5.342	5.344	5.347	5.355	5.345	5.295-5.395	5.345	0.005
7 C18	5.962	5.956	5.954	5.956	5.958	5.960	5.965	5.975	5.962	5.912-6.012	5.961	0.007
8 o-terph	6.155	6.154	6.133	6.137	6.146	6.154	6.165	6.191	6.155	6.105-6.205	6.154	0.018
9 C20	6.548	6.545	6.543	6.542	6.543	6.543	6.545	6.551	6.548	6.498-6.598	6.545	0.003
10 C22	7.130	7.128	7.123	7.123	7.123	7.123	7.124	7.127	7.130	7.080-7.180	7.125	0.003
11 C24	7.697	7.695	7.695	7.694	7.691	7.690	7.690	7.691	7.697	7.647-7.747	7.693	0.003
12 C25	7.974	7.976	7.972	7.970	7.968	7.968	7.967	7.966	7.974	7.924-8.024	7.970	0.004
13 C26	8.244	8.243	8.242	8.244	8.240	8.238	8.237	8.236	8.244	8.194-8.294	8.241	0.003
14 C28	8.763	8.757	8.764	8.765	8.765	8.759	8.767	8.756	8.763	8.713-8.813	8.762	0.004

Reviewer 1 _____ Date: _____
Reviewer 2 _____ Date: _____

ARI Labs, Inc.
RETENTION TIME SUMMARY REPORT

Method File: \\target\share\chem2\fid4a.i\20220120.b\FID4TPH.m
 Batch File: \\target\share\chem2\fid4a.i\20220120.b
 Inst ID: fid4a.i

Compound	RT01	RT02	RT03	RT04	RT05	RT06	RT07	RT08	EXPEC RT	RT WINDOW	AVG RT	STD DEV
15 Triacon Surr	9.277	9.273	9.273	9.280	9.275	9.286	9.266	9.273	9.277	9.227-9.327	9.276	0.006
16 C32	9.717	9.711	9.713	9.720	9.711	9.709	9.718	9.706	9.717	9.667-9.767	9.713	0.005
17 C34	10.155	10.156	10.147	10.153	10.158	10.154	10.156	10.161	10.155	10.105-10.205	10.155	0.004
18 Filter Peak	13.962	13.962	13.963	13.963	13.962	13.960	13.960	13.961	13.962	13.862-14.062	13.962	0.001
19 C36	10.568	10.567	10.572	10.567	10.567	10.573	10.563	10.567	10.568	10.518-10.618	10.568	0.003
20 C38	10.974	10.980	10.978	10.975	10.973	10.970	10.975	10.978	10.974	10.924-11.024	10.975	0.003
21 C40	11.438	11.438	11.441	11.440	11.441	11.434	11.439	11.440	11.438	11.388-11.488	11.439	0.002
29 NW Diesel	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	0.899	0.849-0.949	+++++	+++++
37 ACreosote	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	1.000	0.950-1.050	+++++	+++++
34 Jet A	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	1.024	0.974-1.074	+++++	+++++
30 NW Moil	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	0.885	0.835-0.935	+++++	+++++
31 NW AK102	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	0.803	0.753-0.853	+++++	+++++
32 Bunker C	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	0.812	0.762-0.862	+++++	+++++
33 AK103	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	1.344	1.294-1.394	+++++	+++++
36 ABunker C	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	0.985	0.935-1.035	+++++	+++++
39 OR Diesel	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	1.000	0.950-1.050	+++++	+++++
40 NAS Diesel	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	1.000	0.950-1.050	+++++	+++++



ANALYSIS BATCH (SEQUENCE) SUMMARY

NWTPH-Dx

Laboratory: Analytical Resources, LLC

SDG: 22G0019

Client: GeoEngineers

Project: RG Haley Site-Bellingham

Sequence: SKC0073

Instrument: FID4

Calibration: FA00054

Sample Name	Lab Sample ID	Lab File ID	Matrix	Analysis Date/Time
Retention Time Standard	SKC0073-IBL1	422C0303.D	NA	03/03/22 09:36
Instrument Blank	SKC0073-IBL2	422C0304.D	NA	03/03/22 09:55
DIESEL ICV	SKC0073-ICV1	422C0305.D	NA	03/03/22 10:15
MOIL ICV	SKC0073-ICV2	422C0306.D	NA	03/03/22 10:35
ZZZZZ	BKB0614-BLK1	422C0307.D	Water	03/03/22 10:55
ZZZZZ	BKB0614-BS1	422C0308.D	Water	03/03/22 11:14
ZZZZZ	BKB0614-BSD1	422C0309.D	Water	03/03/22 11:34
ZZZZZ	22B0355-01	422C0310.D	Water	03/03/22 11:54
ZZZZZ	22B0358-01	422C0311.D	Water	03/03/22 12:14
ZZZZZ	BKB0555-BLK1	422C0312.D	Water	03/03/22 12:34
ZZZZZ	BKB0555-BS1	422C0313.D	Water	03/03/22 12:53
ZZZZZ	BKB0555-BSD1	422C0314.D	Water	03/03/22 13:13
ZZZZZ	22B0322-01	422C0315.D	Water	03/03/22 13:33
ZZZZZ	22B0322-02	422C0316.D	Water	03/03/22 13:53
ZZZZZ	22B0322-03	422C0317.D	Water	03/03/22 14:13
ZZZZZ	22B0322-04	422C0318.D	Water	03/03/22 14:32
ZZZZZ	22B0322-05	422C0319.D	Water	03/03/22 14:52
ZZZZZ	22B0322-06	422C0320.D	Water	03/03/22 15:12
ZZZZZ	22B0322-07	422C0321.D	Water	03/03/22 15:32
ZZZZZ	22B0322-08	422C0322.D	Water	03/03/22 15:52
DIESEL CCV	SKC0073-CCV1	422C0323.D	NA	03/03/22 16:12
MOIL CCV	SKC0073-CCV2	422C0324.D	NA	03/03/22 16:31
ZZZZZ	22B0328-01	422C0328.D	Solid	03/03/22 17:51
ZZZZZ	22B0328-02	422C0329.D	Solid	03/03/22 18:10
ZZZZZ	22B0328-03	422C0330.D	Solid	03/03/22 18:30
ZZZZZ	22B0328-04	422C0331.D	Solid	03/03/22 18:50
ZZZZZ	BKB0476-BLK1	422C0332.D	Water	03/03/22 19:10
ZZZZZ	BKB0476-BS1	422C0333.D	Water	03/03/22 19:30
ZZZZZ	22B0279-01	422C0334.D	Water	03/03/22 19:49



ANALYSIS BATCH (SEQUENCE) SUMMARY

NWTPH-Dx

Laboratory: Analytical Resources, LLC

SDG: 22G0019

Client: GeoEngineers

Project: RG Haley Site-Bellingham

Sequence: SKC0073

Instrument: FID4

Calibration: FA00054

Sample Name	Lab Sample ID	Lab File ID	Matrix	Analysis Date/Time
ZZZZZ	BKB0553-BLK1	422C0335.D	Solid	03/03/22 20:09
ZZZZZ	BKB0553-BS1	422C0336.D	Solid	03/03/22 20:29
ZZZZZ	BKB0553-BSD1	422C0337.D	Solid	03/03/22 20:48
ZZZZZ	22B0199-01	422C0338.D	Solid	03/03/22 21:08
DIESEL CCV	SKC0073-CCV3	422C0339.D	NA	03/03/22 21:28
MOIL CCV	SKC0073-CCV4	422C0340.D	NA	03/03/22 21:47
JETA 500	SKC0073-CAL1	422C0341.D	NA	03/03/22 22:07
JETA ICV	SKC0073-ICV3	422C0341.D	NA	03/03/22 22:07
ZZZZZ	BKB0527-BLK1	422C0342.D	Water	03/03/22 22:27
ZZZZZ	BKB0527-BS1	422C0343.D	Water	03/03/22 22:46
ZZZZZ	BKB0527-BSD1	422C0344.D	Water	03/03/22 23:06
ZZZZZ	22B0296-01	422C0345.D	Water	03/03/22 23:26
ZZZZZ	22B0296-02	422C0346.D	Water	03/03/22 23:45
ZZZZZ	22B0296-03	422C0347.D	Water	03/04/22 00:05
ZZZZZ	22B0296-04	422C0348.D	Water	03/04/22 00:25
ZZZZZ	BKB0375-BLK1	422C0349.D	Water	03/04/22 00:44
ZZZZZ	BKB0375-BS1	422C0350.D	Water	03/04/22 01:04
ZZZZZ	BKB0375-BSD1	422C0351.D	Water	03/04/22 01:24
ZZZZZ	22B0208-01	422C0352.D	Water	03/04/22 01:43
ZZZZZ	22B0208-02	422C0353.D	Water	03/04/22 02:03
ZZZZZ	22B0219-01	422C0354.D	Water	03/04/22 02:23
ZZZZZ	22B0220-01	422C0355.D	Water	03/04/22 02:42
ZZZZZ	22B0220-02	422C0356.D	Water	03/04/22 03:02
ZZZZZ	22B0220-03	422C0357.D	Water	03/04/22 03:22
DIESEL CCV	SKC0073-CCV5	422C0358.D	NA	03/04/22 03:41
MOIL CCV	SKC0073-CCV6	422C0359.D	NA	03/04/22 04:01
JETA CCV	SKC0073-CCV7	422C0360.D	NA	03/04/22 04:21



ANALYSIS BATCH (SEQUENCE) SUMMARY

NWTPH-Dx

Laboratory: Analytical Resources, LLC

SDG: 22G0019

Client: GeoEngineers

Project: RG Haley Site-Bellingham

Sequence: SKE0009

Instrument: FID4

Calibration: FA00054

Sample Name	Lab Sample ID	Lab File ID	Matrix	Analysis Date/Time
Retention Time Standard	SKE0009-IBL1	422D2103.D	NA	04/21/22 16:50
Instrument Blank	SKE0009-IBL2	422D2104.D	NA	04/21/22 17:10
BUN KERC	SKE0009-CAL1	422D2105.D	NA	04/21/22 17:30
BUN KERC	SKE0009-CAL2	422D2106.D	NA	04/21/22 17:50
BUN KERC	SKE0009-CAL3	422D2107.D	NA	04/21/22 18:10
BUN KERC	SKE0009-CAL4	422D2108.D	NA	04/21/22 18:30
BUN KERC	SKE0009-CAL5	422D2109.D	NA	04/21/22 18:50
BUN KERC	SKE0009-CAL6	422D2110.D	NA	04/21/22 19:10
DIESEL ICV	SKE0009-ICV1	422D2111.D	NA	04/21/22 19:29
MOIL ICV	SKE0009-ICV2	422D2112.D	NA	04/21/22 19:49
A/SBunkerC CCV	SKE0009-ICV3	422D2113.D	NA	04/21/22 20:09
ZZZZZ	BKD0059-BLK1	422D2114.D	Water	04/21/22 20:29
ZZZZZ	BKD0059-BS1	422D2115.D	Water	04/21/22 20:49
ZZZZZ	BKD0059-BSD1	422D2116.D	Water	04/21/22 21:09
ZZZZZ	22D0015-01	422D2117.D	Water	04/21/22 21:29
ZZZZZ	22D0015-02	422D2118.D	Water	04/21/22 21:48
ZZZZZ	22D0015-03	422D2121.D	Water	04/21/22 22:48
ZZZZZ	22D0015-04	422D2122.D	Water	04/21/22 23:08
ZZZZZ	22D0015-05	422D2123.D	Water	04/21/22 23:27
ZZZZZ	22D0015-06	422D2124.D	Water	04/21/22 23:47
ZZZZZ	22D0015-07	422D2125.D	Water	04/22/22 00:07
ZZZZZ	22D0015-08	422D2126.D	Water	04/22/22 00:27
ZZZZZ	22D0015-09	422D2127.D	Water	04/22/22 00:46
ZZZZZ	22D0015-10	422D2128.D	Water	04/22/22 01:06
DIESEL CCV	SKE0009-CCV1	422D2129.D	NA	04/22/22 01:26
MOIL CCV	SKE0009-CCV2	422D2130.D	NA	04/22/22 01:45
A/SBunkerC CCV	SKE0009-CCV3	422D2131.D	NA	04/22/22 02:05
ZZZZZ	22D0015-11	422D2132.D	Water	04/22/22 02:25
ZZZZZ	22D0015-12	422D2133.D	Water	04/22/22 02:44



ANALYSIS BATCH (SEQUENCE) SUMMARY

NWTPH-Dx

Laboratory: Analytical Resources, LLC

SDG: 22G0019

Client: GeoEngineers

Project: RG Haley Site-Bellingham

Sequence: SKE0009

Instrument: FID4

Calibration: FA00054

Sample Name	Lab Sample ID	Lab File ID	Matrix	Analysis Date/Time
<i>ZZZZZ</i>	22D0015-13	422D2134.D	Water	04/22/22 03:04
<i>ZZZZZ</i>	22D0015-14	422D2135.D	Water	04/22/22 03:24
DIESEL CCV	SKE0009-CCV4	422D2136.D	NA	04/22/22 03:43
MOIL CCV	SKE0009-CCV5	422D2137.D	NA	04/22/22 04:03
A/SBunkerC CCV	SKE0009-CCV6	422D2138.D	NA	04/22/22 04:23



ANALYSIS BATCH (SEQUENCE) SUMMARY

NWTPH-Dx

Laboratory: Analytical Resources, LLC

SDG: 22G0019

Client: GeoEngineers

Project: RG Haley Site-Bellingham

Sequence: SKG0164

Instrument: FID4

Calibration: FA00054

Sample Name	Lab Sample ID	Lab File ID	Matrix	Analysis Date/Time
Retention Time Standard	SKG0164-IBL1	422G1303.D	NA	07/13/22 13:25
Instrument Blank	SKG0164-IBL2	422G1304.D	NA	07/13/22 13:45
DIESEL ICV	SKG0164-ICV1	422G1305.D	NA	07/13/22 14:05
MOIL ICV	SKG0164-ICV2	422G1306.D	NA	07/13/22 14:25
Blank	BKG0060-BLK2	422G1307.D	Solid	07/13/22 14:45
LCS	BKG0060-BS2	422G1308.D	Solid	07/13/22 15:05
LCS Dup	BKG0060-BSD2	422G1309.D	Solid	07/13/22 15:25
Z1A-1-SC_7.5-9.5	22G0019-17	422G1311.D	Solid	07/13/22 16:05
Z1A-2-SC_3.5-5.5	22G0019-18	422G1312.D	Solid	07/13/22 16:26
Z1A-4-SC_6.5-8.5	22G0019-20	422G1314.D	Solid	07/13/22 17:06
Z1A-10-SC_6.5-8.5	22G0019-25	422G1321.D	Solid	07/13/22 19:26
DIESEL CCV	SKG0164-CCV1	422G1322.D	NA	07/13/22 19:46
MOIL CCV	SKG0164-CCV2	422G1323.D	NA	07/13/22 20:06
Z1A-11-SC_4.0-6.0	22G0019-26	422G1324.D	Solid	07/13/22 20:26
OCM-1-MS	22G0019-27	422G1325.D	Solid	07/13/22 20:46
Blank	BKG0060-BLK1	422G1327.D	Solid	07/13/22 21:26
LCS	BKG0060-BS1	422G1328.D	Solid	07/13/22 21:46
LCS Dup	BKG0060-BSD1	422G1329.D	Solid	07/13/22 22:05
Z1A-4-SC_6.5-8.5	22G0019-05	422G1334.D	Solid	07/13/22 23:45
Z1A-5-SC_2.5-4.5	22G0019-06	422G1335.D	Solid	07/14/22 00:05
Z1A-7-SC_2.5-4.5	22G0019-07	422G1336.D	Solid	07/14/22 00:25
DIESEL CCV	SKG0164-CCV3	422G1337.D	NA	07/14/22 00:45
MOIL CCV	SKG0164-CCV4	422G1338.D	NA	07/14/22 01:05
Z1A-7-SC_4.5-6.5	22G0019-08	422G1339.D	Solid	07/14/22 01:24
Z1A-10-SC_6.5-8.5	22G0019-10	422G1343.D	Solid	07/14/22 02:44
Z1A-11-SC_4.0-6.0	22G0019-11	422G1344.D	Solid	07/14/22 03:04
OCM-1-MS	22G0019-13	422G1345.D	Solid	07/14/22 03:24
Z1A-1-SC_7.5-9.5	22G0019-02	422G1349.D	Solid	07/14/22 04:43
Z1A-2-SC_3.5-5.5	22G0019-03	422G1350.D	Solid	07/14/22 05:03



Analytical Resources, LLC
Analytical Chemists and Consultants

ANALYSIS BATCH (SEQUENCE) SUMMARY

NWTPH-Dx

Laboratory: Analytical Resources, LLC

SDG: 22G0019

Client: GeoEngineers

Project: RG Haley Site-Bellingham

Sequence: SKG0164

Instrument: FID4

Calibration: FA00054

Sample Name	Lab Sample ID	Lab File ID	Matrix	Analysis Date/Time
DIESEL CCV	SKG0164-CCV5	422G1351.D	NA	07/14/22 05:23
MOIL CCV	SKG0164-CCV6	422G1352.D	NA	07/14/22 05:43



ANALYSIS SEQUENCE

SKG0164

Instrument: FID4
Calibration ID: FA00054

Printed: 7/15/2022 3:43:52PM

Lab Number	Analysis	Container	Order	Position	STD ID	ISTD ID	Client	Comments
SKG0164-IBL1	QC		1		K005945			
SKG0164-IBL2	QC		2		J012751			
SKG0164-ICV1	QC		3		J012753			
SKG0164-ICV2	QC		4		K003637			
BKG0060-BLK2	QC		5					
BKG0060-BS2	QC		6					
BKG0060-BSD2	QC		7					
22G0019-17	PH NW (Extractables) low lev	A 01	8				GeoEngineers	
22G0019-18	PH NW (Extractables) low lev	A 01	9				GeoEngineers	
22G0019-20	PH NW (Extractables) low lev	A 01	10				GeoEngineers	
22G0019-25	PH NW (Extractables) low lev	A 01	11				GeoEngineers	
SKG0164-CCV1	QC		12		J012753			
SKG0164-CCV2	QC		13		K003637			
22G0019-26	PH NW (Extractables) low lev	A 01	14				GeoEngineers	
22G0019-27	PH NW (Extractables) low lev	A 01	15				GeoEngineers	
BKG0060-BLK1	QC		16					
BKG0060-BS1	QC		17					
BKG0060-BSD1	QC		18					
22G0019-02	PH NW (Extractables) low lev	A 01	19				GeoEngineers	
22G0019-03	PH NW (Extractables) low lev	A 01	20				GeoEngineers	
22G0019-05	PH NW (Extractables) low lev	A 01	21				GeoEngineers	

Samples Loaded By _____ Date _____

Data Processed By _____ Date _____

GC LOG SUMMARY FOR DATABATCH - fid4a.i\20220713.b

	Inject	Date/Time	Filename	DF	LabID	ClientID
1	13-JUL-2022	12:45	422G1301.D	1	RINSE	
2	13-JUL-2022	13:05	422G1302.D	1	RINSE	
3	13-JUL-2022	13:25	422G1303.D	1	SEQ-IBL1	
4	13-JUL-2022	13:45	422G1304.D	1	SEQ-IBL2	
5	13-JUL-2022	14:05	422G1305.D	1	SEQ-ICV1	
6	13-JUL-2022	14:25	422G1306.D	1	SEQ-ICV2	
7	13-JUL-2022	14:45	422G1307.D	1	BKG0060-BLK2	
8	13-JUL-2022	15:05	422G1308.D	1	BKG0060-BS2	
9	13-JUL-2022	15:25	422G1309.D	1	BKG0060-BSD2	
10	13-JUL-2022	15:45	422G1310.D	1	22G0019-16	
11	13-JUL-2022	16:05	422G1311.D	1	22G0019-17	
12	13-JUL-2022	16:26	422G1312.D	1	22G0019-18	
13	13-JUL-2022	16:46	422G1313.D	5	22G0019-19	
14	13-JUL-2022	17:06	422G1314.D	1	22G0019-20	
15	13-JUL-2022	17:26	422G1315.D	1	22G0019-21	
16	13-JUL-2022	17:46	422G1316.D	1	22G0019-22	
17	13-JUL-2022	18:06	422G1317.D	1	22G0019-23	
18	13-JUL-2022	18:26	422G1318.D	1	22G0019-24	
19	13-JUL-2022	18:46	422G1319.D	1	BKG0060-MS2	
20	13-JUL-2022	19:06	422G1320.D	1	BKG0060-MSD2	
21	13-JUL-2022	19:26	422G1321.D	1	22G0019-25	
22	13-JUL-2022	19:46	422G1322.D	1	SEQ-CCV1	
23	13-JUL-2022	20:06	422G1323.D	1	SEQ-CCV2	
24	13-JUL-2022	20:26	422G1324.D	1	22G0019-26	
25	13-JUL-2022	20:46	422G1325.D	1	22G0019-27	
26	13-JUL-2022	21:06	422G1326.D	1	22G0019-28	
27	13-JUL-2022	21:26	422G1327.D	1	BKG0060-BLK1	
28	13-JUL-2022	21:46	422G1328.D	1	BKG0060-BS1	
29	13-JUL-2022	22:05	422G1329.D	1	BKG0060-BSD1	
30	13-JUL-2022	22:25	422G1330.D	5	22G0019-01	
31	13-JUL-2022	22:45	422G1331.D	5	22G0019-02	
32	13-JUL-2022	23:05	422G1332.D	5	22G0019-03	
33	13-JUL-2022	23:25	422G1333.D	5	22G0019-04	
34	13-JUL-2022	23:45	422G1334.D	5	22G0019-05	
35	14-JUL-2022	00:05	422G1335.D	5	22G0019-06	
36	14-JUL-2022	00:25	422G1336.D	5	22G0019-07	
37	14-JUL-2022	00:45	422G1337.D	1	SEQ-CCV3	
38	14-JUL-2022	01:05	422G1338.D	1	SEQ-CCV4	
39	14-JUL-2022	01:24	422G1339.D	10	22G0019-08	
40	14-JUL-2022	01:44	422G1340.D	5	22G0019-09	
41	14-JUL-2022	02:04	422G1341.D	5	BKG0060-MS1	
42	14-JUL-2022	02:24	422G1342.D	5	BKG0060-MSD1	
43	14-JUL-2022	02:44	422G1343.D	1	22G0019-10	
44	14-JUL-2022	03:04	422G1344.D	5	22G0019-11	
45	14-JUL-2022	03:24	422G1345.D	5	22G0019-13	
46	14-JUL-2022	03:44	422G1346.D	5	22G0019-15	
47	14-JUL-2022	04:03	422G1347.D	1	22G0019-19	
48	14-JUL-2022	04:23	422G1348.D	1	22G0019-1	
49	14-JUL-2022	04:43	422G1349.D	1	22G0019-2	
50	14-JUL-2022	05:03	422G1350.D	1	22G0019-3	

GC LOG SUMMARY FOR DATABATCH - \\target\share\chem2\fid4a.i\20220713.b

	Inject	Date/Time	Filename	DF	LabID	ClientID
51	14-JUL-2022	05:23	422G1351.D	1	SEQ-CCV5	
52	14-JUL-2022	05:43	422G1352.D	1	SEQ-CCV6	
53	14-JUL-2022	06:02	422G1353.D	1	22G0019-4	
54	14-JUL-2022	06:22	422G1354.D	1	22G0019-5	
55	14-JUL-2022	06:42	422G1355.D	1	22G0019-6	
56	14-JUL-2022	07:02	422G1356.D	1	22G0019-7	
57	14-JUL-2022	07:22	422G1357.D	1	22G0019-8	
58	14-JUL-2022	07:41	422G1358.D	1	22G0019-9	
59	14-JUL-2022	08:01	422G1359.D	1	BKG0060-MS1	
60	14-JUL-2022	08:21	422G1360.D	1	BKG0060-MSD1	
61	14-JUL-2022	08:41	422G1361.D	1	22G0019-11	
62	14-JUL-2022	09:01	422G1362.D	1	22G0019-13	
63	14-JUL-2022	09:20	422G1363.D	1	22G0019-15	
64	14-JUL-2022	09:40	422G1364.D	1	SEQ-CCV7	
65	14-JUL-2022	10:00	422G1365.D	1	SEQ-CCV8	

MANUAL INTEGRATION SUMMARY FOR DATABATCH - \\target\share\chem2\fid4a.i\20220713.b

ARI Job No.: RINS Method: FID4TPH.m Instrument: fid4a.i Date: 13-JUL-2022

Time	Filename	LabID	ClientId	DF	Manually Integrated Compounds
1245	422G1301.D	RINSE		1	NO MANUAL INTEGRATION
1305	422G1302.D	RINSE		1	NO MANUAL INTEGRATION
1325	422G1303.D	SEQ-IBL1		1	NO MANUAL INTEGRATION
1345	422G1304.D	SEQ-IBL2		1	NO MANUAL INTEGRATION
1405	422G1305.D	SEQ-ICV1		1	o-terph,
1425	422G1306.D	SEQ-ICV2		1	Triacon Surr,
1445	422G1307.D	BKG0060-BLK2		1	NO MANUAL INTEGRATION
1505	422G1308.D	BKG0060-BS2		1	o-terph,
1525	422G1309.D	BKG0060-BSD2		1	o-terph,
1545	422G1310.D	22G0019-16		1	NO MANUAL INTEGRATION
1605	422G1311.D	22G0019-17		1	o-terph, Triacon Surr,
1626	422G1312.D	22G0019-18		1	o-terph, Triacon Surr,
1646	422G1313.D	22G0019-19		5	Triacon Surr,
1706	422G1314.D	22G0019-20		1	o-terph, Triacon Surr,
1726	422G1315.D	22G0019-21		1	o-terph, Triacon Surr,
1746	422G1316.D	22G0019-22		1	o-terph, Triacon Surr,
1806	422G1317.D	22G0019-23		1	o-terph, Triacon Surr,

MANUAL INTEGRATION SUMMARY FOR DATABATCH - \\target\share\chem2\fid4a.i\20220713.b

Time	Filename	LabID	ClientId	DF	Manually Integrated Compounds
1826	422G1318.D	22G0019-24	1		Triacon Surr,
1846	422G1319.D	BKG0060-MS2	1		Triacon Surr,
1906	422G1320.D	BKG0060-MSD2	1		Triacon Surr,
1926	422G1321.D	22G0019-25	1		o-terph, Triacon Surr,
1946	422G1322.D	SEQ-CCV1	1		o-terph,
2006	422G1323.D	SEQ-CCV2	1		Triacon Surr,
2026	422G1324.D	22G0019-26	1		o-terph, Triacon Surr,
2046	422G1325.D	22G0019-27	1		o-terph, Triacon Surr,
2106	422G1326.D	22G0019-28	1		o-terph, Triacon Surr,
2126	422G1327.D	BKG0060-BLK1	1		NO MANUAL INTEGRATION
2146	422G1328.D	BKG0060-BS1	1		o-terph,
2205	422G1329.D	BKG0060-BSD1	1		o-terph,
2225	422G1330.D	22G0019-01	5		Triacon Surr,
2245	422G1331.D	22G0019-02	5		o-terph, Triacon Surr,
2305	422G1332.D	22G0019-03	5		o-terph, Triacon Surr,
2325	422G1333.D	22G0019-04	5		o-terph, Triacon Surr,
2345	422G1334.D	22G0019-05	5		o-terph, Triacon Surr,
0005	422G1335.D	22G0019-06	5		o-terph, Triacon Surr,

MANUAL INTEGRATION SUMMARY FOR DATABATCH - \\target\share\chem2\fid4a.i\20220713.b

Time	Filename	LabID	ClientId	DF	Manually Integrated Compounds
0025	422G1336.D	22G0019-07	5	o-terph,	Triacon Surr,
0045	422G1337.D	SEQ-CCV3	1	o-terph,	
0105	422G1338.D	SEQ-CCV4	1	Triacon Surr,	
0124	422G1339.D	22G0019-08	10	o-terph,	Triacon Surr,
0144	422G1340.D	22G0019-09	5	o-terph,	Triacon Surr,
0204	422G1341.D	BKG0060-MS1	5	o-terph,	Triacon Surr,
0224	422G1342.D	BKG0060-MSD1	5	o-terph,	Triacon Surr,
0244	422G1343.D	22G0019-10	1	o-terph,	Triacon Surr,
0304	422G1344.D	22G0019-11	5	o-terph,	Triacon Surr,
0324	422G1345.D	22G0019-13	5	o-terph,	Triacon Surr,
0344	422G1346.D	22G0019-15	5	o-terph,	Triacon Surr,
0403	422G1347.D	22G0019-19	1	o-terph,	
0423	422G1348.D	22G0019-1	1	NO MANUAL INTEGRATION	
0443	422G1349.D	22G0019-2	1	o-terph,	Triacon Surr,
0503	422G1350.D	22G0019-3	1	o-terph,	Triacon Surr,
0523	422G1351.D	SEQ-CCV5	1	o-terph,	
0543	422G1352.D	SEQ-CCV6	1	Triacon Surr,	
0602	422G1353.D	22G0019-4	1	Triacon Surr,	

MANUAL INTEGRATION SUMMARY FOR DATABATCH - \\target\share\chem2\fid4a.i\20220713.b

Time	Filename	LabID	ClientId	DF	Manually Integrated Compounds
0622	422G1354.D	22G0019-5	1	o-terph,	Triacon Surr,
0642	422G1355.D	22G0019-6	1	o-terph,	Triacon Surr,
0702	422G1356.D	22G0019-7	1	o-terph,	Triacon Surr,
0722	422G1357.D	22G0019-8	1	o-terph,	Triacon Surr,
0741	422G1358.D	22G0019-9	1	Triacon Surr,	
0801	422G1359.D	BKG0060-MS1	1	Triacon Surr,	
0821	422G1360.D	BKG0060-MSD1	1	o-terph,	Triacon Surr,
0841	422G1361.D	22G0019-11	1	o-terph,	Triacon Surr,
0901	422G1362.D	22G0019-13	1	o-terph,	Triacon Surr,
0920	422G1363.D	22G0019-15	1	o-terph,	
0940	422G1364.D	SEQ-CCV7	1	o-terph,	
1000	422G1365.D	SEQ-CCV8	1	Triacon Surr,	

422G1345.D	Data Locked	alfonso, 15-Jul-2022 15:57
422G1346.D	Data Locked	alfonso, 15-Jul-2022 15:57
422G1347.D	Data Locked	alfonso, 15-Jul-2022 15:57
422G1348.D	Data Locked	alfonso, 15-Jul-2022 15:57
422G1349.D	Data Locked	alfonso, 15-Jul-2022 15:57
422G1350.D	Data Locked	alfonso, 15-Jul-2022 15:57
422G1351.D	Data Locked	alfonso, 15-Jul-2022 15:57
422G1352.D	Data Locked	alfonso, 15-Jul-2022 15:57
422G1353.D	Data Locked	alfonso, 15-Jul-2022 15:57
422G1354.D	Data Locked	alfonso, 15-Jul-2022 15:57
422G1355.D	Data Locked	alfonso, 15-Jul-2022 15:57
422G1356.D	Data Locked	alfonso, 15-Jul-2022 15:57
422G1357.D	Data Locked	alfonso, 15-Jul-2022 15:57
422G1358.D	Data Locked	alfonso, 15-Jul-2022 15:57
422G1359.D	Data Locked	alfonso, 15-Jul-2022 15:57
422G1360.D	Data Locked	alfonso, 15-Jul-2022 15:57
422G1361.D	Data Locked	alfonso, 15-Jul-2022 15:57
422G1362.D	Data Locked	alfonso, 15-Jul-2022 15:57
422G1363.D	Data Locked	alfonso, 15-Jul-2022 15:57
422G1364.D	Data Locked	alfonso, 15-Jul-2022 15:57
422G1365.D	Data Locked	alfonso, 15-Jul-2022 15:57



ANALYSIS BATCH (SEQUENCE) SUMMARY

NWTPH-Dx

Laboratory: Analytical Resources, LLC

SDG: 22G0019

Client: GeoEngineers

Project: RG Haley Site-Bellingham

Sequence: SKG0168

Instrument: FID4

Calibration: FA00054

Sample Name	Lab Sample ID	Lab File ID	Matrix	Analysis Date/Time
Retention Time Standard	SKG0168-IBL1	422G1403.D	NA	07/14/22 19:08
Instrument Blank	SKG0168-IBL2	422G1404.D	NA	07/14/22 19:27
DIESEL ICV	SKG0168-ICV1	422G1405.D	NA	07/14/22 19:47
MOIL ICV	SKG0168-ICV2	422G1406.D	NA	07/14/22 20:07
Z1A-1-SC_5.5-7.5	22G0019-16	422G1407.D	Solid	07/14/22 20:27
Z1A-4-SC_3.5-5.5	22G0019-19	422G1408.D	Solid	07/14/22 20:47
Z1A-5-SC_2.5-4.5	22G0019-21	422G1409.D	Solid	07/14/22 21:07
Z1A-7-SC_2.5-4.5	22G0019-22	422G1410.D	Solid	07/14/22 21:27
Z1A-7-SC_4.5-6.5	22G0019-23	422G1411.D	Solid	07/14/22 21:47
Z1A-10-SC_3.5-5.5	22G0019-24	422G1412.D	Solid	07/14/22 22:06
Z1A-10-SC_3.5-5.5	BKG0060-MS2	422G1413.D	Solid	07/14/22 22:26
Z1A-10-SC_3.5-5.5	BKG0060-MSD2	422G1414.D	Solid	07/14/22 22:46
OCM-2-MS	22G0019-28	422G1415.D	Solid	07/14/22 23:06
DIESEL CCV	SKG0168-CCV1	422G1416.D	NA	07/14/22 23:26
MOIL CCV	SKG0168-CCV2	422G1417.D	NA	07/14/22 23:46
Z1A-1-SC_5.5-7.5	22G0019-01	422G1418.D	Solid	07/15/22 00:05
Z1A-4-SC_3.5-5.5	22G0019-04	422G1419.D	Solid	07/15/22 00:25
Z1A-10-SC_3.5-5.5	22G0019-09	422G1420.D	Solid	07/15/22 00:45
Z1A-10-SC_3.5-5.5	BKG0060-MS1	422G1421.D	Solid	07/15/22 01:05
Z1A-10-SC_3.5-5.5	BKG0060-MSD1	422G1422.D	Solid	07/15/22 01:25
OCM-2-MS	22G0019-15	422G1423.D	Solid	07/15/22 01:44
DIESEL CCV	SKG0168-CCV3	422G1424.D	NA	07/15/22 02:04
MOIL CCV	SKG0168-CCV4	422G1425.D	NA	07/15/22 02:24

GC LOG SUMMARY FOR DATABATCH - fid4a.i\20220714.b

	Inject	Date/Time	Filename	DF	LabID	ClientID
1	14-JUL-2022	18:28	422G1401.D	1	RINSE	
2	14-JUL-2022	18:48	422G1402.D	1	RINSE	
3	14-JUL-2022	19:08	422G1403.D	1	SEQ-IBL1	
4	14-JUL-2022	19:27	422G1404.D	1	SEQ-IBL2	
5	14-JUL-2022	19:47	422G1405.D	1	SEQ-ICV1	
6	14-JUL-2022	20:07	422G1406.D	1	SEQ-ICV2	
7	14-JUL-2022	20:27	422G1407.D	100	22G019-16RE1	
8	14-JUL-2022	20:47	422G1408.D	50	22G0019-19RE1	
9	14-JUL-2022	21:07	422G1409.D	5	22G0019-21RE1	
10	14-JUL-2022	21:27	422G1410.D	5	22G0019-22RE1	
11	14-JUL-2022	21:47	422G1411.D	5	22G0019-23RE1	
12	14-JUL-2022	22:06	422G1412.D	25	22G0019-24RE1	
13	14-JUL-2022	22:26	422G1413.D	25	BKG060-MS2RE1	
14	14-JUL-2022	22:46	422G1414.D	25	BKG60-MSD2RE1	
15	14-JUL-2022	23:06	422G1415.D	10	22G0019-28RE1	
16	14-JUL-2022	23:26	422G1416.D	1	SEQ-CCV1	
17	14-JUL-2022	23:46	422G1417.D	1	SEQ-CCV2	
18	15-JUL-2022	00:05	422G1418.D	50	22G0019-01RE1	
19	15-JUL-2022	00:25	422G1419.D	100	22G0019-04RE1	
20	15-JUL-2022	00:45	422G1420.D	25	22G0019-09RE1	
21	15-JUL-2022	01:05	422G1421.D	25	BKG0060-MS1RE1	
22	15-JUL-2022	01:25	422G1422.D	25	BKG060-MSD1RE1	
23	15-JUL-2022	01:44	422G1423.D	25	22G0019-15RE1	
24	15-JUL-2022	02:04	422G1424.D	1	SEQ-CCV3	
25	15-JUL-2022	02:24	422G1425.D	1	SEQ-CCV4	

MANUAL INTEGRATION SUMMARY FOR DATABATCH - \\target\share\chem2\fid4a.i\20220714.b

ARI Job No.: RINS Method: FID4TPH.m Instrument: fid4a.i Date: 14-JUL-2022

Time	Filename	LabID	ClientId	DF	Manually Integrated Compounds
1828	422G1401.D	RINSE		1	NO MANUAL INTEGRATION
1848	422G1402.D	RINSE		1	NO MANUAL INTEGRATION
1908	422G1403.D	SEQ-IBL1		1	NO MANUAL INTEGRATION
1927	422G1404.D	SEQ-IBL2		1	NO MANUAL INTEGRATION
1947	422G1405.D	SEQ-ICV1		1	o-terph,
2007	422G1406.D	SEQ-ICV2		1	Triacon Surr,
2027	422G1407.D	22G019-16RE1		100	Triacon Surr,
2047	422G1408.D	22G0019-19RE1		50	Triacon Surr,
2107	422G1409.D	22G0019-21RE1		5	o-terph, Triacon Surr,
2127	422G1410.D	22G0019-22RE1		5	o-terph, Triacon Surr,
2147	422G1411.D	22G0019-23RE1		5	o-terph, Triacon Surr,
2206	422G1412.D	22G0019-24RE1		25	o-terph, Triacon Surr,
2226	422G1413.D	BKG060-MS2RE1		25	o-terph, Triacon Surr,
2246	422G1414.D	BKG60-MSD2RE1		25	o-terph, Triacon Surr,
2306	422G1415.D	22G0019-28RE1		10	o-terph, Triacon Surr,
2326	422G1416.D	SEQ-CCV1		1	o-terph,
2346	422G1417.D	SEQ-CCV2		1	Triacon Surr,

MANUAL INTEGRATION SUMMARY FOR DATABATCH - \\target\share\chem2\fid4a.i\20220714.b

Time	Filename	LabID	ClientId	DF	Manually Integrated Compounds
0005	422G1418.D	22G0019-01RE1		50	o-terph, Triacon Surr,
0025	422G1419.D	22G0019-04RE1		100	Triacon Surr,
0045	422G1420.D	22G0019-09RE1		25	o-terph, Triacon Surr,
0105	422G1421.D	BKG0060-MS1RE1		25	o-terph, Triacon Surr,
0125	422G1422.D	BKG060-MSD1RE1		25	o-terph, Triacon Surr,
0144	422G1423.D	22G0019-15RE1		25	o-terph, Triacon Surr,
0204	422G1424.D	SEQ-CCV3		1	o-terph,
0224	422G1425.D	SEQ-CCV4		1	Triacon Surr,

Security Status Report

Date: 15-Jul-2022 18:06

422G1401.D	Data Locked	alfonso,	15-Jul-2022	18:06
422G1402.D	Data Locked	alfonso,	15-Jul-2022	18:06
422G1403.D	Data Locked	alfonso,	15-Jul-2022	18:06
422G1404.D	Data Locked	alfonso,	15-Jul-2022	18:06
422G1405.D	Data Locked	alfonso,	15-Jul-2022	18:06
422G1406.D	Data Locked	alfonso,	15-Jul-2022	18:06
422G1407.D	Data Locked	alfonso,	15-Jul-2022	18:06
422G1408.D	Data Locked	alfonso,	15-Jul-2022	18:06
422G1409.D	Data Locked	alfonso,	15-Jul-2022	18:06
422G1410.D	Data Locked	alfonso,	15-Jul-2022	18:06
422G1411.D	Data Locked	alfonso,	15-Jul-2022	18:06
422G1412.D	Data Locked	alfonso,	15-Jul-2022	18:06
422G1413.D	Data Locked	alfonso,	15-Jul-2022	18:06
422G1414.D	Data Locked	alfonso,	15-Jul-2022	18:06
422G1415.D	Data Locked	alfonso,	15-Jul-2022	18:06
422G1416.D	Data Locked	alfonso,	15-Jul-2022	18:06
422G1417.D	Data Locked	alfonso,	15-Jul-2022	18:06
422G1418.D	Data Locked	alfonso,	15-Jul-2022	18:06
422G1419.D	Data Locked	alfonso,	15-Jul-2022	18:06
422G1420.D	Data Locked	alfonso,	15-Jul-2022	18:06
422G1421.D	Data Locked	alfonso,	15-Jul-2022	18:06
422G1422.D	Data Locked	alfonso,	15-Jul-2022	18:06
422G1423.D	Data Locked	alfonso,	15-Jul-2022	18:06
422G1424.D	Data Locked	alfonso,	15-Jul-2022	18:06
422G1425.D	Data Locked	alfonso,	15-Jul-2022	18:06



SURROGATE RECOVERY AND RT SUMMARY
NWTPH-Dx

Laboratory:	<u>Analytical Resources, LLC</u>	SDG/WO:	<u>22G0019</u>
Client:	<u>GeoEngineers</u>	Project:	<u>RG Haley Site-Bellingham</u>
Sequence:	<u>SKC0073</u>	Instrument:	<u>FID4</u>
Calibration:	<u>FA00054</u>	Calibration Date:	<u>01/20/2022</u>

Surrogate Compound	Spike Level mg/L	% Recovery	Recovery Limits	RT	Calibration Mean RT	RT Diff	RT Diff Limit	Q
SKC0073-ICV1 (Water)			Lab File ID: 422C0305.D			Analyzed: 03/03/22 10:15		
o-Terphenyl	90.000	91.9	85 - 115	6.15	6.155	-0.0050	N/A	
SKC0073-CCV1 (Water)			Lab File ID: 422C0323.D			Analyzed: 03/03/22 16:12		
o-Terphenyl	90.000	96.6	85 - 115	6.15	6.155	-0.0050	N/A	
SKC0073-ICV3 (Water)			Lab File ID: 422C0341.D			Analyzed: 03/03/22 22:07		
o-Terphenyl	90.000	107	85 - 115	6.15	6.155	-0.0050	N/A	



SURROGATE RECOVERY AND RT SUMMARY
NWTPH-Dx

Laboratory:	<u>Analytical Resources, LLC</u>	SDG/WO:	<u>22G0019</u>
Client:	<u>GeoEngineers</u>	Project:	<u>RG Haley Site-Bellingham</u>
Sequence:	<u>SKE0009</u>	Instrument:	<u>FID4</u>
Calibration:	<u>FA00054</u>	Calibration Date:	<u>01/20/2022</u>

Surrogate Compound	Spike Level mg/L	% Recovery	Recovery Limits	RT	Calibration Mean RT	RT Diff	RT Diff Limit	Q
SKE0009-ICV1 (Water)			Lab File ID: 422D2111.D			Analyzed: 04/21/22 19:29		
o-Terphenyl	90.000	101	85 - 115	6.88	6.155	0.7250	N/A	
SKE0009-ICV3 (Water)			Lab File ID: 422D2113.D			Analyzed: 04/21/22 20:09		
o-Terphenyl	45.000	98.7	85 - 115	6.87	6.155	0.7150	N/A	
SKE0009-CCV1 (Water)			Lab File ID: 422D2129.D			Analyzed: 04/22/22 01:26		
o-Terphenyl	90.000	101	85 - 115	6.88	6.155	0.7250	N/A	



SURROGATE RECOVERY AND RT SUMMARY
NWTPH-Dx

Laboratory: Analytical Resources, LLC
Client: GeoEngineers
Sequence: SKG0164
Calibration: FA00054

SDG/WO: 22G0019
Project: RG Haley Site-Bellingham
Instrument: FID4
Calibration Date: 04/21/2022

Surrogate Compound	Spike Level mg/L	% Recovery	Recovery Limits	RT	Calibration Mean RT	RT Diff	RT Diff Limit	Q
SKG0164-IBL1 (Solid)			Lab File ID: 422G1303.D			Analyzed: 07/13/22 13:25		
o-Terphenyl	100.00	98.3	50 - 150	6.81	6.155	0.6550	N/A	
SKG0164-IBL2 (Solid)			Lab File ID: 422G1304.D			Analyzed: 07/13/22 13:45		
o-Terphenyl	100.00	107	50 - 150	6.81	6.155	0.6550	N/A	
SKG0164-ICV1 (Solid)			Lab File ID: 422G1305.D			Analyzed: 07/13/22 14:05		
o-Terphenyl	90.000	106	85 - 115	6.81	6.155	0.6550	N/A	
BKG0060-BLK2 (Solid)			Lab File ID: 422G1307.D			Analyzed: 07/13/22 14:45		
o-Terphenyl	11.250	87.3	50 - 150	6.81	6.155	0.6550	N/A	
BKG0060-BS2 (Solid)			Lab File ID: 422G1308.D			Analyzed: 07/13/22 15:05		
o-Terphenyl	11.250	102	50 - 150	6.81	6.155	0.6550	N/A	
BKG0060-BSD2 (Solid)			Lab File ID: 422G1309.D			Analyzed: 07/13/22 15:25		
o-Terphenyl	11.250	98.8	50 - 150	6.81	6.155	0.6550	N/A	
22G0019-17 (Solid)			Lab File ID: 422G1311.D			Analyzed: 07/13/22 16:05		
o-Terphenyl	49.873	85.2	50 - 150	6.82	6.155	0.6650	N/A	
22G0019-18 (Solid)			Lab File ID: 422G1312.D			Analyzed: 07/13/22 16:26		
o-Terphenyl	42.088	81.5	50 - 150	6.81	6.155	0.6550	N/A	
22G0019-20 (Solid)			Lab File ID: 422G1314.D			Analyzed: 07/13/22 17:06		
o-Terphenyl	20.321	98.4	50 - 150	6.81	6.155	0.6550	N/A	
22G0019-25 (Solid)			Lab File ID: 422G1321.D			Analyzed: 07/13/22 19:26		
o-Terphenyl	16.007	95.7	50 - 150	6.81	6.155	0.6550	N/A	
SKG0164-CCV1 (Solid)			Lab File ID: 422G1322.D			Analyzed: 07/13/22 19:46		
o-Terphenyl	90.000	107	85 - 115	6.81	6.155	0.6550	N/A	
22G0019-26 (Solid)			Lab File ID: 422G1324.D			Analyzed: 07/13/22 20:26		
o-Terphenyl	14.367	87.5	50 - 150	6.82	6.155	0.6650	N/A	
22G0019-27 (Solid)			Lab File ID: 422G1325.D			Analyzed: 07/13/22 20:46		
o-Terphenyl	16.012	54.9	50 - 150	6.81	6.155	0.6550	N/A	



SURROGATE RECOVERY AND RT SUMMARY
NWTPH-Dx

Laboratory: Analytical Resources, LLC
Client: GeoEngineers
Sequence: SKG0164
Calibration: FA00054

SDG/WO: 22G0019
Project: RG Haley Site-Bellingham
Instrument: FID4
Calibration Date: 04/21/2022

Surrogate Compound	Spike Level mg/kg wet	% Recovery	Recovery Limits	RT	Calibration Mean RT	RT Diff	RT Diff Limit	Q
BKG0060-BLK1 (Solid)			Lab File ID: 422G1327.D		Analyzed: 07/13/22 21:26			
o-Terphenyl	11.250	90.4	50 - 150	6.81	6.155	0.6550	N/A	
BKG0060-BS1 (Solid)			Lab File ID: 422G1328.D		Analyzed: 07/13/22 21:46			
o-Terphenyl	11.250	95.0	50 - 150	6.81	6.155	0.6550	N/A	
BKG0060-BSD1 (Solid)			Lab File ID: 422G1329.D		Analyzed: 07/13/22 22:05			
o-Terphenyl	11.250	96.0	50 - 150	6.81	6.155	0.6550	N/A	
22G0019-05 (Solid)			Lab File ID: 422G1334.D		Analyzed: 07/13/22 23:45			
o-Terphenyl	20.321	98.2	50 - 150	6.79	6.155	0.6350	N/A	
22G0019-06 (Solid)			Lab File ID: 422G1335.D		Analyzed: 07/14/22 00:05			
o-Terphenyl	40.456	92.0	50 - 150	6.8	6.155	0.6450	N/A	
22G0019-07 (Solid)			Lab File ID: 422G1336.D		Analyzed: 07/14/22 00:25			
o-Terphenyl	23.359	88.9	50 - 150	6.8	6.155	0.6450	N/A	
SKG0164-CCV3 (Solid)			Lab File ID: 422G1337.D		Analyzed: 07/14/22 00:45			
o-Terphenyl	90.000	108	85 - 115	6.81	6.155	0.6550	N/A	
22G0019-08 (Solid)			Lab File ID: 422G1339.D		Analyzed: 07/14/22 01:24			
o-Terphenyl	19.520	98.7	50 - 150	6.79	6.155	0.6350	N/A	
22G0019-10 (Solid)			Lab File ID: 422G1343.D		Analyzed: 07/14/22 02:44			
o-Terphenyl	16.007	87.7	50 - 150	6.81	6.155	0.6550	N/A	
22G0019-11 (Solid)			Lab File ID: 422G1344.D		Analyzed: 07/14/22 03:04			
o-Terphenyl	14.367	86.2	50 - 150	6.79	6.155	0.6350	N/A	
22G0019-13 (Solid)			Lab File ID: 422G1345.D		Analyzed: 07/14/22 03:24			
o-Terphenyl	16.012	59.6	50 - 150	6.8	6.155	0.6450	N/A	
22G0019-02 (Solid)			Lab File ID: 422G1349.D		Analyzed: 07/14/22 04:43			
o-Terphenyl	49.873	80.8	50 - 150	6.82	6.155	0.6650	N/A	
22G0019-03 (Solid)			Lab File ID: 422G1350.D		Analyzed: 07/14/22 05:03			
o-Terphenyl	42.088	83.5	50 - 150	6.82	6.155	0.6650	N/A	



SURROGATE RECOVERY AND RT SUMMARY
NWTPH-Dx

Laboratory: Analytical Resources, LLC

SDG/WO: 22G0019

Client: GeoEngineers

Project: RG Haley Site-Bellingham

Sequence: SKG0164

Instrument: FID4

Calibration: FA00054

Calibration Date: 01/20/2022

Surrogate Compound	Spike Level mg/L	% Recovery	Recovery Limits	RT	Calibration Mean RT	RT Diff	RT Diff Limit	Q
SKG0164-CCV5 (Solid)			Lab File ID: 422G1351.D		Analyzed: 07/14/22 05:23			
o-Terphenyl	90.000	109	85 - 115	6.81	6.155	0.6550	N/A	



SURROGATE RECOVERY AND RT SUMMARY
NWTPH-Dx

Laboratory: Analytical Resources, LLC
Client: GeoEngineers
Sequence: SKG0168
Calibration: FA00054

SDG/WO: 22G0019
Project: RG Haley Site-Bellingham
Instrument: FID4
Calibration Date: 04/21/2022

Surrogate Compound	Spike Level mg/L	% Recovery	Recovery Limits	RT	Calibration Mean RT	RT Diff	RT Diff Limit	Q
SKG0168-IBL1 (Solid)			Lab File ID: 422G1403.D			Analyzed: 07/14/22 19:08		
o-Terphenyl	100.00	102	50 - 150	6.82	6.155	0.6650	N/A	
SKG0168-IBL2 (Solid)			Lab File ID: 422G1404.D			Analyzed: 07/14/22 19:27		
o-Terphenyl	100.00	103	50 - 150	6.81	6.155	0.6550	N/A	
SKG0168-ICV1 (Solid)			Lab File ID: 422G1405.D			Analyzed: 07/14/22 19:47		
o-Terphenyl	90.000	101	85 - 115	6.81	6.155	0.6550	N/A	
22G0019-16 (Solid)			Lab File ID: 422G1407.D			Analyzed: 07/14/22 20:27		
o-Terphenyl	47.454		50 - 150	0	6.155	-6.1550	N/A	D1
22G0019-19 (Solid)			Lab File ID: 422G1408.D			Analyzed: 07/14/22 20:47		
o-Terphenyl	24.397		50 - 150	0	6.155	-6.1550	N/A	D1
22G0019-21 (Solid)			Lab File ID: 422G1409.D			Analyzed: 07/14/22 21:07		
o-Terphenyl	40.456	108	50 - 150	6.8	6.155	0.6450	N/A	
22G0019-22 (Solid)			Lab File ID: 422G1410.D			Analyzed: 07/14/22 21:27		
o-Terphenyl	23.359	104	50 - 150	6.8	6.155	0.6450	N/A	
22G0019-23 (Solid)			Lab File ID: 422G1411.D			Analyzed: 07/14/22 21:47		
o-Terphenyl	19.520	110	50 - 150	6.8	6.155	0.6450	N/A	
22G0019-24 (Solid)			Lab File ID: 422G1412.D			Analyzed: 07/14/22 22:06		
o-Terphenyl	14.357	129	50 - 150	6.8	6.155	0.6450	N/A	
BKG0060-MS2 (Solid)			Lab File ID: 422G1413.D			Analyzed: 07/14/22 22:26		
o-Terphenyl	14.386	116	50 - 150	6.8	6.155	0.6450	N/A	
BKG0060-MSD2 (Solid)			Lab File ID: 422G1414.D			Analyzed: 07/14/22 22:46		
o-Terphenyl	14.386	122	50 - 150	6.8	6.155	0.6450	N/A	
22G0019-28 (Solid)			Lab File ID: 422G1415.D			Analyzed: 07/14/22 23:06		
o-Terphenyl	19.663	100	50 - 150	6.8	6.155	0.6450	N/A	
SKG0168-CCV1 (Solid)			Lab File ID: 422G1416.D			Analyzed: 07/14/22 23:26		
o-Terphenyl	90.000	101	85 - 115	6.81	6.155	0.6550	N/A	



SURROGATE RECOVERY AND RT SUMMARY
NWTPH-Dx

Laboratory: Analytical Resources, LLC
Client: GeoEngineers
Sequence: SKG0168
Calibration: FA00054

SDG/WO: 22G0019
Project: RG Haley Site-Bellingham
Instrument: FID4
Calibration Date: 04/21/2022

Surrogate Compound	Spike Level mg/kg dry	% Recovery	Recovery Limits	RT	Calibration Mean RT	RT Diff	RT Diff Limit	Q
22G0019-01 (Solid)			Lab File ID: 422G1418.D		Analyzed: 07/15/22 00:05			
o-Terphenyl	47.454	84.4	50 - 150	6.8	6.155	0.6450	N/A	
22G0019-04 (Solid)			Lab File ID: 422G1419.D		Analyzed: 07/15/22 00:25			
o-Terphenyl	24.397		50 - 150	0	6.155	-6.1550	N/A	D1
22G0019-09 (Solid)			Lab File ID: 422G1420.D		Analyzed: 07/15/22 00:45			
o-Terphenyl	14.357	60.0	50 - 150	6.79	6.155	0.6350	N/A	
BKG0060-MS1 (Solid)			Lab File ID: 422G1421.D		Analyzed: 07/15/22 01:05			
o-Terphenyl	14.386	64.4	50 - 150	6.8	6.155	0.6450	N/A	
BKG0060-MSD1 (Solid)			Lab File ID: 422G1422.D		Analyzed: 07/15/22 01:25			
o-Terphenyl	14.386	66.7	50 - 150	6.8	6.155	0.6450	N/A	
22G0019-15 (Solid)			Lab File ID: 422G1423.D		Analyzed: 07/15/22 01:44			
o-Terphenyl	19.663	91.1	50 - 150	6.79	6.155	0.6350	N/A	
SKG0168-CCV3 (Solid)			Lab File ID: 422G1424.D		Analyzed: 07/15/22 02:04			
o-Terphenyl	90.000	103	85 - 115	6.81	6.155	0.6550	N/A	



HOLDING TIME SUMMARY

Analysis: **NWTPH-Dx**

Laboratory: Analytical Resources, LLC

SDG: 22G0019

Client: GeoEngineers

Project: RG Haley Site-Bellingham

Sample Name	Date Collected	Date Received	Date Prepared	Days to Prep	Max Days to Prep	Date Analyzed	Days to Analysis	Max Days to Analysis	Q
Z1A-1-SC_5.5-7.5 22G0019-01	06/27/22 13:20	06/30/22 10:55	07/06/22 10:53	8	14	07/15/22 00:05	9	40	
Z1A-1-SC_7.5-9.5 22G0019-02	06/27/22 13:25	06/30/22 10:55	07/06/22 10:53	8	14	07/14/22 04:43	8	40	
Z1A-2-SC_3.5-5.5 22G0019-03	06/27/22 12:30	06/30/22 10:55	07/06/22 10:53	8	14	07/14/22 05:03	8	40	
Z1A-4-SC_3.5-5.5 22G0019-04	06/28/22 10:40	06/30/22 10:55	07/06/22 10:53	8	14	07/15/22 00:25	9	40	
Z1A-4-SC_6.5-8.5 22G0019-05	06/28/22 10:45	06/30/22 10:55	07/06/22 10:53	8	14	07/13/22 23:45	8	40	
Z1A-5-SC_2.5-4.5 22G0019-06	06/28/22 11:40	06/30/22 10:55	07/06/22 10:53	7	14	07/14/22 00:05	8	40	
Z1A-7-SC_2.5-4.5 22G0019-07	06/28/22 12:10	06/30/22 10:55	07/06/22 10:53	7	14	07/14/22 00:25	8	40	
Z1A-7-SC_4.5-6.5 22G0019-08	06/28/22 12:15	06/30/22 10:55	07/06/22 10:53	7	14	07/14/22 01:24	8	40	
Z1A-10-SC_3.5-5.5 22G0019-09	06/29/22 11:35	06/30/22 10:55	07/06/22 10:53	6	14	07/15/22 00:45	9	40	
Z1A-10-SC_6.5-8.5 22G0019-10	06/29/22 11:40	06/30/22 10:55	07/06/22 10:53	6	14	07/14/22 02:44	8	40	
Z1A-11-SC_4.0-6.0 22G0019-11	06/29/22 12:00	06/30/22 10:55	07/06/22 10:53	6	14	07/14/22 03:04	8	40	
OCM-1-MS 22G0019-13	06/29/22 12:25	06/30/22 10:55	07/06/22 10:53	6	14	07/14/22 03:24	8	40	
OCM-2-MS 22G0019-15	06/29/22 12:40	06/30/22 10:55	07/06/22 10:53	6	14	07/15/22 01:44	9	40	
Z1A-1-SC_5.5-7.5 22G0019-16	06/27/22 13:20	06/30/22 10:55	07/06/22 10:53	8	14	07/14/22 20:27	8	40	
Z1A-1-SC_7.5-9.5 22G0019-17	06/27/22 13:25	06/30/22 10:55	07/06/22 10:53	8	14	07/13/22 16:05	7	40	
Z1A-2-SC_3.5-5.5 22G0019-18	06/27/22 12:30	06/30/22 10:55	07/06/22 10:53	8	14	07/13/22 16:26	7	40	
Z1A-4-SC_3.5-5.5 22G0019-19	06/28/22 10:40	06/30/22 10:55	07/06/22 10:53	8	14	07/14/22 20:47	8	40	
Z1A-4-SC_6.5-8.5 22G0019-20	06/28/22 10:45	06/30/22 10:55	07/06/22 10:53	8	14	07/13/22 17:06	7	40	
Z1A-5-SC_2.5-4.5 22G0019-21	06/28/22 11:40	06/30/22 10:55	07/06/22 10:53	7	14	07/14/22 21:07	8	40	
Z1A-7-SC_2.5-4.5 22G0019-22	06/28/22 12:10	06/30/22 10:55	07/06/22 10:53	7	14	07/14/22 21:27	8	40	
Z1A-7-SC_4.5-6.5 22G0019-23	06/28/22 12:15	06/30/22 10:55	07/06/22 10:53	7	14	07/14/22 21:47	8	40	
Z1A-10-SC_3.5-5.5 22G0019-24	06/29/22 11:35	06/30/22 10:55	07/06/22 10:53	6	14	07/14/22 22:06	8	40	



HOLDING TIME SUMMARY

Analysis: **NWTPH-Dx**

Laboratory: Analytical Resources, LLC

SDG: 22G0019

Client: GeoEngineers

Project: RG Haley Site-Bellingham

Sample Name	Date Collected	Date Received	Date Prepared	Days to Prep	Max Days to Prep	Date Analyzed	Days to Analysis	Max Days to Analysis	Q
Z1A-10-SC_6.5-8.5 22G0019-25	06/29/22 11:40	06/30/22 10:55	07/06/22 10:53	6	14	07/13/22 19:26	7	40	
Z1A-11-SC_4.0-6.0 22G0019-26	06/29/22 12:00	06/30/22 10:55	07/06/22 10:53	6	14	07/13/22 20:26	7	40	
OCM-1-MS 22G0019-27	06/29/22 12:25	06/30/22 10:55	07/06/22 10:53	6	14	07/13/22 20:46	7	40	
OCM-2-MS 22G0019-28	06/29/22 12:40	06/30/22 10:55	07/06/22 10:53	6	14	07/14/22 23:06	9	40	
Matrix Spike BKG0060-MS1	06/29/22 11:35	06/30/22 10:55	07/06/22 10:53	6	14	07/15/22 01:05	9	40	
Matrix Spike BKG0060-MS2	06/29/22 11:35	06/30/22 10:55	07/06/22 10:53	6	14	07/14/22 22:26	8	40	
Matrix Spike Dup BKG0060-MSD1	06/29/22 11:35	06/30/22 10:55	07/06/22 10:53	6	14	07/15/22 01:25	9	40	
Matrix Spike Dup BKG0060-MSD2	06/29/22 11:35	06/30/22 10:55	07/06/22 10:53	6	14	07/14/22 22:46	8	40	

* Indicates hold time exceedance.



Analytical Resources, LLC
Analytical Chemists and Consultants

METHOD DETECTION AND REPORTING LIMITS

NWTPH-Dx

Laboratory: Analytical Resources, LLC

SDG: 22G0019

Client: GeoEngineers

Project: RG Haley Site-Bellingham

Matrix: Solid

Instrument: FID4

Analyte	MDL	RL	Units
Diesel Range Organics (C12-C24)	2.34	5.00	mg/kg
Motor Oil Range Organics (C24-C38)	2.99	10.0	mg/kg



Analytical Resources, LLC
Analytical Chemists and Consultants

METHOD DETECTION AND REPORTING LIMITS

NWTPH-Dx

Laboratory: Analytical Resources, LLC

SDG: 22G0019

Client: GeoEngineers

Project: RG Haley Site-Bellingham

Matrix: Water

Instrument: FID4

Analyte	MDL	RL	Units
Diesel Range Organics (C12-C24)	0.033	0.100	mg/L
Motor Oil Range Organics (C24-C38)	0.056	0.200	mg/L



Form I
INORGANIC ANALYSIS DATA SHEET
EPA 9060A m

Z1A-1-SC_5.5-7.5

Laboratory: Analytical Resources, LLC
 Client: GeoEngineers
 Project: RG Haley Site-Bellingham
 Matrix: Solid Laboratory ID: 22G0019-01RE1 C SDG: 22G0019
 Sampled: 06/27/22 13:20 Prepared: 07/08/22 08:45 File ID: CubeData_07152022@0844-035
 % Solids: 23.77 Preparation: Plumb 1981 Analyzed: 07/12/22 11:07
 Batch: BKG0136 Sequence: SKG0088 Initial/Final: 0.0451 g Wet / 0.0451 g
 Instrument: TOC Cube Calibration: FD00070

CAS NO.	Analyte	Concentration (% dry)	Dilution Factor	MDL	MRL	Q
	Total Organic Carbon	46.3	1	0.02	0.02	



Form I
INORGANIC ANALYSIS DATA SHEET
EPA 9060A m

Z1A-1-SC_7.5-9.5

Laboratory: Analytical Resources, LLC

Client: GeoEngineers

Project: RG Haley Site-Bellingham

Matrix: Solid Laboratory ID: 22G0019-02RE1 C SDG: 22G0019

Sampled: 06/27/22 13:25 Prepared: 07/08/22 08:45 File ID: CubeData_07152022@0844-055

% Solids: 24.38 Preparation: Plumb 1981 Analyzed: 07/12/22 13:07

Batch: BKG0136 Sequence: SKG0088 Initial/Final: 0.0455 g Wet / 0.0455 g

Instrument: TOC Cube Calibration: FD00070

CAS NO.	Analyte	Concentration (% dry)	Dilution Factor	MDL	MRL	Q
	Total Organic Carbon	55.0	1	0.02	0.02	



Form I
INORGANIC ANALYSIS DATA SHEET
EPA 9060A m

Z1A-2-SC_3.5-5.5

Laboratory: Analytical Resources, LLC

Client: GeoEngineers

Project: RG Haley Site-Bellingham

Matrix: Solid Laboratory ID: 22G0019-03RE1 C SDG: 22G0019

Sampled: 06/27/22 12:30 Prepared: 07/08/22 08:45 File ID: CubeData_07152022@0844-060

% Solids: 25.96 Preparation: Plumb 1981 Analyzed: 07/12/22 13:38

Batch: BKG0136 Sequence: SKG0088 Initial/Final: 0.0524 g Wet / 0.0524 g

Instrument: TOC Cube Calibration: FD00070

CAS NO.	Analyte	Concentration (% dry)	Dilution Factor	MDL	MRL	Q
	Total Organic Carbon	55.8	1	0.02	0.02	



Form I
INORGANIC ANALYSIS DATA SHEET
EPA 9060A m

Z1A-4-SC_3.5-5.5

Laboratory: Analytical Resources, LLC
 Client: GeoEngineers
 Project: RG Haley Site-Bellingham
 Matrix: Solid Laboratory ID: 22G0019-04RE1 C SDG: 22G0019
 Sampled: 06/28/22 10:40 Prepared: 07/08/22 08:45 File ID: CubeData_07152022@0844-065
 % Solids: 34.85 Preparation: Plumb 1981 Analyzed: 07/12/22 14:08
 Batch: BKG0136 Sequence: SKG0088 Initial/Final: 0.072 g Wet / 0.072 g
 Instrument: TOC Cube Calibration: FD00070

CAS NO.	Analyte	Concentration (% dry)	Dilution Factor	MDL	MRL	Q
	Total Organic Carbon	38.5	1	0.02	0.02	



Form I
INORGANIC ANALYSIS DATA SHEET
EPA 9060A m

Z1A-4-SC_6.5-8.5

Laboratory: Analytical Resources, LLC
 Client: GeoEngineers
 Project: RG Haley Site-Bellingham
 Matrix: Solid Laboratory ID: 22G0019-05 C SDG: 22G0019
 Sampled: 06/28/22 10:45 Prepared: 07/08/22 08:45 File ID: CubeData_07112022@0748-017
 % Solids: 39.86 Preparation: Plumb 1981 Analyzed: 07/08/22 23:55
 Batch: BKG0136 Sequence: SKG0074 Initial/Final: 0.1648 g Wet / 0.1648 g
 Instrument: TOC Cube Calibration: FD00070

CAS NO.	Analyte	Concentration (% dry)	Dilution Factor	MDL	MRL	Q
	Total Organic Carbon	17.3	1	0.02	0.02	



Form I
INORGANIC ANALYSIS DATA SHEET
EPA 9060A m

Z1A-5-SC_2.5-4.5

Laboratory: Analytical Resources, LLC

Client: GeoEngineers

Project: RG Haley Site-Bellingham

Matrix: Solid Laboratory ID: 22G0019-06RE1 C SDG: 22G0019

Sampled: 06/28/22 11:40 Prepared: 07/08/22 08:45 File ID: CubeData_07152022@0844-074

% Solids: 23.57 Preparation: Plumb 1981 Analyzed: 07/12/22 14:38

Batch: BKG0136 Sequence: SKG0088 Initial/Final: 0.0702 g Wet / 0.0702 g

Instrument: TOC Cube Calibration: FD00070

CAS NO.	Analyte	Concentration (% dry)	Dilution Factor	MDL	MRL	Q
	Total Organic Carbon	47.8	1	0.02	0.02	



Form I
INORGANIC ANALYSIS DATA SHEET
EPA 9060A m

Z1A-7-SC_2.5-4.5

Laboratory: Analytical Resources, LLC

Client: GeoEngineers

Project: RG Haley Site-Bellingham

Matrix: Solid Laboratory ID: 22G0019-07 C SDG: 22G0019

Sampled: 06/28/22 12:10 Prepared: 07/08/22 08:45 File ID: CubeData_07112022@0748-019

% Solids: 61.72 Preparation: Plumb 1981 Analyzed: 07/09/22 00:55

Batch: BKG0136 Sequence: SKG0074 Initial/Final: 0.19 g Wet / 0.19 g

Instrument: TOC Cube Calibration: FD00070

CAS NO.	Analyte	Concentration (% dry)	Dilution Factor	MDL	MRL	Q
	Total Organic Carbon	5.23	1	0.02	0.02	



Form I
INORGANIC ANALYSIS DATA SHEET
EPA 9060A m

Z1A-7-SC_4.5-6.5

Laboratory: Analytical Resources, LLC
 Client: GeoEngineers
 Project: RG Haley Site-Bellingham
 Matrix: Solid Laboratory ID: 22G0019-08RE1 C SDG: 22G0019
 Sampled: 06/28/22 12:15 Prepared: 07/08/22 08:45 File ID: CubeData_07152022@0844-079
 % Solids: 63.12 Preparation: Plumb 1981 Analyzed: 07/12/22 15:08
 Batch: BKG0136 Sequence: SKG0088 Initial/Final: 0.2196 g Wet / 0.2196 g
 Instrument: TOC Cube Calibration: FD00070

CAS NO.	Analyte	Concentration (% dry)	Dilution Factor	MDL	MRL	Q
	Total Organic Carbon	7.17	1	0.02	0.02	



Form I
INORGANIC ANALYSIS DATA SHEET
EPA 9060A m

Z1A-10-SC_3.5-5.5

Laboratory: Analytical Resources, LLC

Client: GeoEngineers

Project: RG Haley Site-Bellingham

Matrix: Solid Laboratory ID: 22G0019-09RE1 C SDG: 22G0019

Sampled: 06/29/22 11:35 Prepared: 07/08/22 08:45 File ID: CubeData_07152022@0844-088

% Solids: 77.01 Preparation: Plumb 1981 Analyzed: 07/12/22 15:38

Batch: BKG0136 Sequence: SKG0088 Initial/Final: 0.1782 g Wet / 0.1782 g

Instrument: TOC Cube Calibration: FD00070

CAS NO.	Analyte	Concentration (% dry)	Dilution Factor	MDL	MRL	Q
	Total Organic Carbon	5.83	1	0.02	0.02	



Form I
INORGANIC ANALYSIS DATA SHEET
EPA 9060A m

Z1A-10-SC_6.5-8.5

Laboratory: Analytical Resources, LLC

Client: GeoEngineers

Project: RG Haley Site-Bellingham

Matrix: Solid Laboratory ID: 22G0019-10RE1 C SDG: 22G0019

Sampled: 06/29/22 11:40 Prepared: 07/08/22 08:45 File ID: CubeData_07152022@0844-107

% Solids: 69.89 Preparation: Plumb 1981 Analyzed: 07/12/22 17:09

Batch: BKG0136 Sequence: SKG0088 Initial/Final: 0.222 g Wet / 0.222 g

Instrument: TOC Cube Calibration: FD00070

CAS NO.	Analyte	Concentration (% dry)	Dilution Factor	MDL	MRL	Q
	Total Organic Carbon	6.33	1	0.02	0.02	



Form I
INORGANIC ANALYSIS DATA SHEET
EPA 9060A m

Z1A-11-SC_4.0-6.0

Laboratory: Analytical Resources, LLC

Client: GeoEngineers

Project: RG Haley Site-Bellingham

Matrix: Solid Laboratory ID: 22G0019-11RE1 C SDG: 22G0019

Sampled: 06/29/22 12:00 Prepared: 07/08/22 08:45 File ID: CubeData_07152022@0844-111

% Solids: 70.44 Preparation: Plumb 1981 Analyzed: 07/12/22 17:39

Batch: BKG0136 Sequence: SKG0088 Initial/Final: 0.1021 g Wet / 0.1021 g

Instrument: TOC Cube Calibration: FD00070

CAS NO.	Analyte	Concentration (% dry)	Dilution Factor	MDL	MRL	Q
	Total Organic Carbon	9.44	1	0.02	0.02	



Form I
INORGANIC ANALYSIS DATA SHEET
EPA 9060A m

OCM-1-CAP

Laboratory: Analytical Resources, LLC

Client: GeoEngineers

Project: RG Haley Site-Bellingham

Matrix: Solid Laboratory ID: 22G0019-12RE1 C SDG: 22G0019

Sampled: 06/29/22 12:20 Prepared: 07/08/22 08:45 File ID: CubeData_07152022@0844-119

% Solids: 76.52 Preparation: Plumb 1981 Analyzed: 07/12/22 18:10

Batch: BKG0136 Sequence: SKG0088 Initial/Final: 0.1071 g Wet / 0.1071 g

Instrument: TOC Cube Calibration: FD00070

CAS NO.	Analyte	Concentration (% dry)	Dilution Factor	MDL	MRL	Q
	Total Organic Carbon	4.33	1	0.02	0.02	



Form I
INORGANIC ANALYSIS DATA SHEET
EPA 9060A m

OCM-1-MS

Laboratory: Analytical Resources, LLC
 Client: GeoEngineers
 Project: RG Haley Site-Bellingham
 Matrix: Solid Laboratory ID: 22G0019-13RE1 C SDG: 22G0019
 Sampled: 06/29/22 12:25 Prepared: 07/08/22 08:45 File ID: CubeData_07152022@0844-120
 % Solids: 70.89 Preparation: Plumb 1981 Analyzed: 07/12/22 18:40
 Batch: BKG0136 Sequence: SKG0088 Initial/Final: 0.1369 g Wet / 0.1369 g
 Instrument: TOC Cube Calibration: FD00070

CAS NO.	Analyte	Concentration (% dry)	Dilution Factor	MDL	MRL	Q
	Total Organic Carbon	5.64	1	0.02	0.02	



Form I
INORGANIC ANALYSIS DATA SHEET
EPA 9060A m

OCM-2-CAP

Laboratory: Analytical Resources, LLC

Client: GeoEngineers

Project: RG Haley Site-Bellingham

Matrix: Solid Laboratory ID: 22G0019-14RE1 C SDG: 22G0019

Sampled: 06/29/22 12:35 Prepared: 07/08/22 08:45 File ID: CubeData_07152022@0844-121

% Solids: 79.10 Preparation: Plumb 1981 Analyzed: 07/12/22 19:10

Batch: BKG0136 Sequence: SKG0088 Initial/Final: 0.1559 g Wet / 0.1559 g

Instrument: TOC Cube Calibration: FD00070

CAS NO.	Analyte	Concentration (% dry)	Dilution Factor	MDL	MRL	Q
	Total Organic Carbon	8.41	1	0.02	0.02	



Form I
INORGANIC ANALYSIS DATA SHEET
EPA 9060A m

OCM-2-MS

Laboratory: Analytical Resources, LLC

Client: GeoEngineers

Project: RG Haley Site-Bellingham

Matrix: Solid Laboratory ID: 22G0019-15 C SDG: 22G0019

Sampled: 06/29/22 12:40 Prepared: 07/08/22 08:45 File ID: CubeData_07112022@0748-029

% Solids: 47.39 Preparation: Plumb 1981 Analyzed: 07/09/22 05:57

Batch: BKG0136 Sequence: SKG0074 Initial/Final: 0.1894 g Wet / 0.1894 g

Instrument: TOC Cube Calibration: FD00070

CAS NO.	Analyte	Concentration (% dry)	Dilution Factor	MDL	MRL	Q
	Total Organic Carbon	11.3	1	0.02	0.02	



PREPARATION BATCH SUMMARY

EPA 9060A m

Laboratory: Analytical Resources, LLC

SDG: 22G0019

Client: GeoEngineers

Project: RG Haley Site-Bellingham

Batch: BKG0136

Batch Matrix: Solid

Preparation: Plumb 1981

SAMPLE NAME	LAB SAMPLE ID	LAB FILE ID	DATE PREPARED	OBSERVATIONS
Z1A-1-SC_5.5-7.5	22G0019-01RE1	eData_07152022@0844	07/08/22 08:45	Added 7/11/2022 by DOE
Z1A-1-SC_7.5-9.5	22G0019-02RE1	eData_07152022@0844	07/08/22 08:45	Added 7/11/2022 by DOE
Z1A-2-SC_3.5-5.5	22G0019-03RE1	eData_07152022@0844	07/08/22 08:45	Added 7/11/2022 by DOE
Z1A-4-SC_3.5-5.5	22G0019-04RE1	eData_07152022@0844	07/08/22 08:45	Added 7/11/2022 by DOE
Z1A-4-SC_6.5-8.5	22G0019-05	eData_07112022@0748	07/08/22 08:45	
Z1A-5-SC_2.5-4.5	22G0019-06RE1	eData_07152022@0844	07/08/22 08:45	Added 7/11/2022 by DOE
Z1A-7-SC_2.5-4.5	22G0019-07	eData_07112022@0748	07/08/22 08:45	
Z1A-7-SC_4.5-6.5	22G0019-08RE1	eData_07152022@0844	07/08/22 08:45	Added 7/11/2022 by DOE
Z1A-10-SC_3.5-5.5	22G0019-09RE1	eData_07152022@0844	07/08/22 08:45	Added 7/11/2022 by DOE
Z1A-10-SC_6.5-8.5	22G0019-10RE1	eData_07152022@0844	07/08/22 08:45	Added 7/11/2022 by DOE
Z1A-11-SC_4.0-6.0	22G0019-11RE1	eData_07152022@0844	07/08/22 08:45	Added 7/11/2022 by DOE
OCM-1-CAP	22G0019-12RE1	eData_07152022@0844	07/08/22 08:45	Added 7/11/2022 by DOE
OCM-1-MS	22G0019-13RE1	eData_07152022@0844	07/08/22 08:45	Added 7/11/2022 by DOE
OCM-2-CAP	22G0019-14RE1	eData_07152022@0844	07/08/22 08:45	Added 7/11/2022 by DOE
OCM-2-MS	22G0019-15	eData_07112022@0748	07/08/22 08:45	
Blank	BKG0136-BLK1	eData_07112022@0748	07/08/22 08:45	
LCS	BKG0136-BS1	eData_07112022@0748	07/08/22 08:45	
Z1A-1-SC_5.5-7.5	BKG0136-DUP2	eData_07152022@0844	07/08/22 08:45	
MRL Check	BKG0136-MRL1	eData_07112022@0748	07/08/22 08:45	
Z1A-1-SC_5.5-7.5	BKG0136-MS2	eData_07152022@0844	07/08/22 08:45	
Z1A-1-SC_5.5-7.5	BKG0136-MSD2	eData_07152022@0844	07/08/22 08:45	



Form I
METHOD BLANK DATA SHEET
EPA 9060A m
TotalAnalytes

Blank

Laboratory: Analytical Resources, LLC

SDG: 22G0019

Client: GeoEngineers

Project: RG Haley Site-Bellingham

Batch: BKG0136

Laboratory ID: BKG0136-BLK1

Prepared: 07/08/22 08:45

Matrix: Solid

Preparation: Plumb 1981

Analyzed: 07/08/22 18:24

Sequence: SKG0074

Calibration: FD00070

Instrument: TOC Cube

CAS NO.	Analyte	Concentration (% wet)	Dilution Factor	MDL	MRL	Q
	Total Organic Carbon	ND	1	0.02	0.02	U



LCS / LCS DUPLICATE RECOVERY
EPA 9060A m

Laboratory: Analytical Resources, LLC

SDG: 22G0019

Client: GeoEngineers

Project: RG Haley Site-Bellingham

Matrix: Solid

Analyzed: 07/08/22 18:54

Batch: BKG0136

Laboratory ID: BKG0136-BS1

Preparation: Plumb 1981

Sequence Name: LCS

Initial/Final: 0.0223 g / 0.0223 g

COMPOUND	SPIKE ADDED (% wet)	LCS CONCENTRATION (% wet)	Q	LCS % REC. #	QC LIMITS REC.
Total Organic Carbon	44.4	45.0		101	80 - 120

* Indicates values outside of QC limits



DUPLICATES

EPA 9060A m

Laboratory: Analytical Resources, LLC

SDG: 22G0019

Client: GeoEngineers

Project: RG Haley Site-Bellingham

Matrix: Solid

Laboratory ID: BKG0136-DUP2

Batch: BKG0136

Lab Source ID: 22G0019-01RE1

Preparation: Plumb 1981

Initial/Final: 0.0402 g / 0.0402 g

Source Sample Name: Z1A-1-SC_5.5-7.5

% Solids: 23.77

ANALYTE	CONTROL LIMIT	SAMPLE CONCENTRATION	DUPLICATE CONCENTRATION	RPD %	Q
Total Organic Carbon	20	46.3	51.3	10.3	

*: Values outside of QC limits

L: Analyte concentration is <=5 times the reporting limit and the replicate control limit defaults to Dup = +/- RL instead of 20% RPD



MS / MS DUPLICATE RECOVERY
EPA 9060A m

Laboratory: Analytical Resources, LLC

SDG: 22G0019

Client: GeoEngineers

Project: RG Haley Site-Bellingham

Matrix: Solid

Analyzed: 07/12/22 12:37

Batch: BKG0136

Laboratory ID: BKG0136-MSD2

Preparation: Plumb 1981

Sequence Name: Matrix Spike Dup

Initial/Final: 0.0399 g / 0.0399 g

Source Sample: Z1A-1-SC_5.5-7.5

COMPOUND	SPIKE ADDED (% dry)	MSD CONCENTRATION (% dry)	Q	MSD % REC. #	% RPD #	QC LIMITS	
						RPD	REC.
Total Organic Carbon	38.9	81.6		90.8	2.53	20	75 - 125

* Values outside of QC limits



ANALYSIS BATCH (SEQUENCE) SUMMARY

EPA 9060A m

Laboratory: Analytical Resources, LLC

SDG: 22G0019

Client: GeoEngineers

Project: RG Haley Site-Bellingham

Sequence: SKD0371

Instrument: TOC Cube

Calibration: FD00070

Sample Name	Lab Sample ID	Lab File ID	Matrix	Analysis Date/Time
Cal Standard	SKD0371-CAL1	CubeData_04272022@1136-001	NA	04/26/22 12:30
Cal Standard	SKD0371-CAL2	CubeData_04272022@1136-002	NA	04/26/22 13:00
Cal Standard	SKD0371-CAL3	CubeData_04272022@1136-003	NA	04/26/22 13:30
Cal Standard	SKD0371-CAL4	CubeData_04272022@1136-004	NA	04/26/22 14:00
Cal Standard	SKD0371-CAL5	CubeData_04272022@1136-005	NA	04/26/22 14:30
Cal Standard	SKD0371-CAL6	CubeData_04272022@1136-006	NA	04/26/22 15:00
Cal Standard	SKD0371-CAL7	CubeData_04272022@1136-007	NA	04/26/22 15:30
Cal Standard	SKD0371-CAL8	CubeData_04272022@1136-008	NA	04/26/22 16:00
Cal Standard	SKD0371-CAL9	CubeData_04272022@1136-009	NA	04/26/22 16:30
Cal Standard	SKD0371-CALA	CubeData_04272022@1136-010	NA	04/26/22 17:00
Cal Standard	SKD0371-CALB	CubeData_04272022@1136-011	NA	04/26/22 17:30
Cal Standard	SKD0371-CALC	CubeData_04272022@1136-012	NA	04/26/22 18:00
Cal Standard	SKD0371-CALD	CubeData_04272022@1136-013	NA	04/26/22 18:30
Cal Standard	SKD0371-CALE	CubeData_04272022@1136-014	NA	04/26/22 19:00
Cal Standard	SKD0371-CALF	CubeData_04272022@1136-015	NA	04/26/22 19:31
Cal Standard	SKD0371-CALG	CubeData_04272022@1136-016	NA	04/26/22 20:01
Cal Standard	SKD0371-CALH	CubeData_04272022@1136-017	NA	04/26/22 20:31
Cal Standard	SKD0371-CALI	CubeData_04272022@1136-018	NA	04/26/22 21:01
Cal Standard	SKD0371-CALJ	CubeData_04272022@1136-019	NA	04/26/22 21:31
Cal Standard	SKD0371-CALK	CubeData_04272022@1136-020	NA	04/26/22 22:01
Initial Cal Check	SKD0371-ICV1	CubeData_04272022@1136-027	NA	04/27/22 02:03
Initial Cal Blank	SKD0371-ICB1	CubeData_04272022@1136-028	NA	04/27/22 02:33
Cal Standard	SKD0371-CALL	CubeData_04272022@1136-021	NA	04/27/22 11:08
Cal Standard	SKD0371-CALM	CubeData_04272022@1136-022	NA	04/27/22 11:08
Cal Standard	SKD0371-CALN	CubeData_04272022@1136-023	NA	04/27/22 11:09
Cal Standard	SKD0371-CALO	CubeData_04272022@1136-024	NA	04/27/22 11:09



ANALYSIS BATCH (SEQUENCE) SUMMARY

EPA 9060A m

Laboratory: Analytical Resources, LLC

SDG: 22G0019

Client: GeoEngineers

Project: RG Haley Site-Bellingham

Sequence: SKG0074

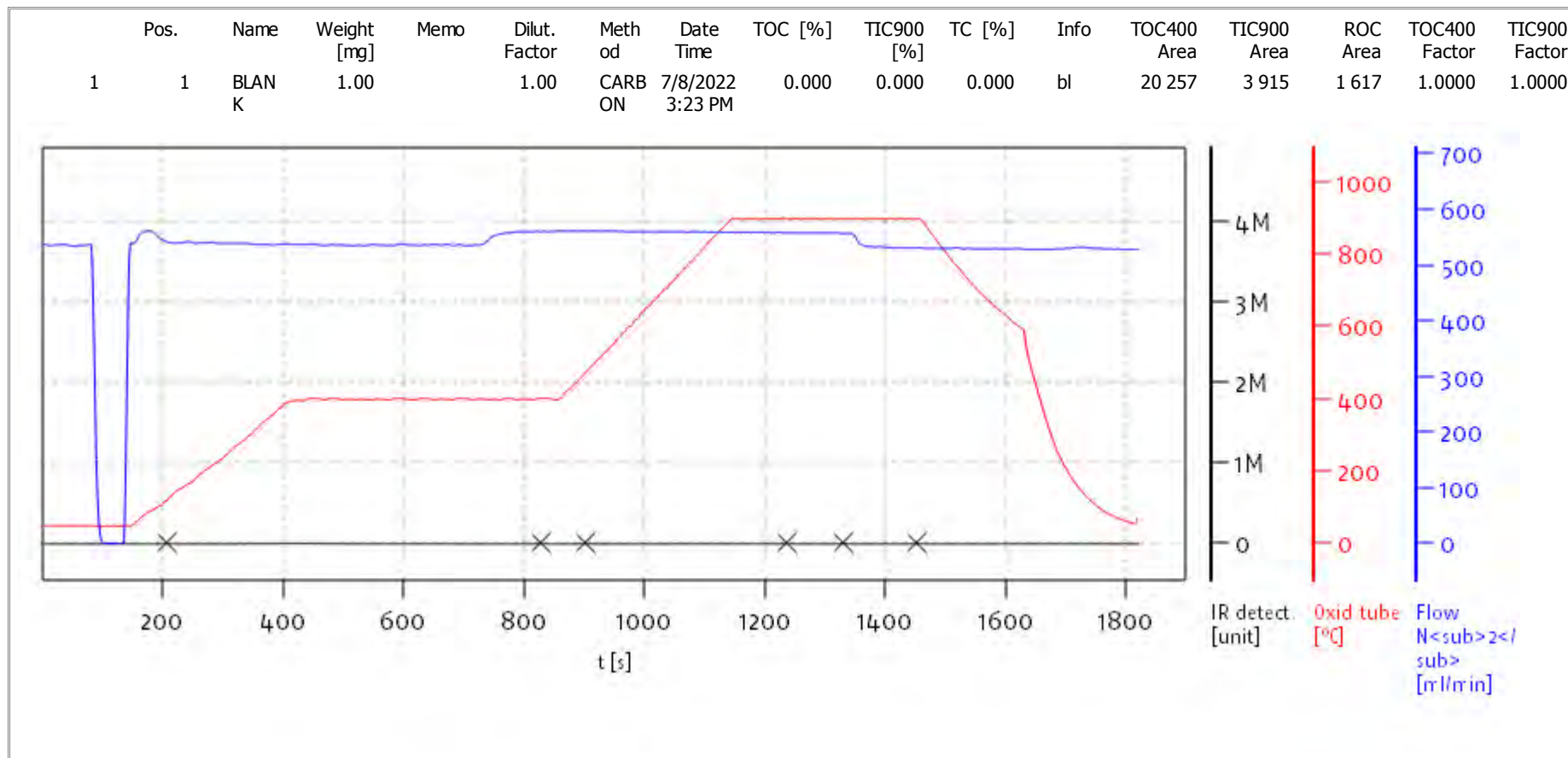
Instrument: TOC Cube

Calibration: FD00070

Sample Name	Lab Sample ID	Lab File ID	Matrix	Analysis Date/Time
Initial Cal Check	SKG0074-ICV1	CubeData_07112022@0748-003	NA	07/08/22 16:54
Initial Cal Blank	SKG0074-ICB1	CubeData_07112022@0748-004	NA	07/08/22 17:24
MRL Check	BKG0136-MRL1	CubeData_07112022@0748-005	Solid	07/08/22 17:54
Blank	BKG0136-BLK1	CubeData_07112022@0748-006	Solid	07/08/22 18:24
LCS	BKG0136-BS1	CubeData_07112022@0748-007	Solid	07/08/22 18:54
Calibration Check	SKG0074-CCV1	CubeData_07112022@0748-015	NA	07/08/22 22:55
Calibration Blank	SKG0074-CCB1	CubeData_07112022@0748-016	NA	07/08/22 23:25
Z1A-4-SC_6.5-8.5	22G0019-05	CubeData_07112022@0748-017	Solid	07/08/22 23:55
Z1A-7-SC_2.5-4.5	22G0019-07	CubeData_07112022@0748-019	Solid	07/09/22 00:55
Calibration Check	SKG0074-CCV2	CubeData_07112022@0748-027	NA	07/09/22 04:57
Calibration Blank	SKG0074-CCB2	CubeData_07112022@0748-028	NA	07/09/22 05:27
OCM-2-MS	22G0019-15	CubeData_07112022@0748-029	Solid	07/09/22 05:57
Calibration Check	SKG0074-CCV3	CubeData_07112022@0748-039	NA	07/09/22 11:00
Calibration Blank	SKG0074-CCB3	CubeData_07112022@0748-040	NA	07/09/22 11:30
Calibration Check	SKG0074-CCV4	CubeData_07112022@0748-050	NA	07/09/22 17:02
Calibration Blank	SKG0074-CCB4	CubeData_07112022@0748-051	NA	07/09/22 17:33
Calibration Check	SKG0074-CCV5	CubeData_07112022@0748-062	NA	07/09/22 23:04
Calibration Blank	SKG0074-CCB5	CubeData_07112022@0748-063	NA	07/09/22 23:35



Soli TOC Cube, Carbon
Balance: BAL3
Analyst: DOE



Name:

Access: solITOC superuser

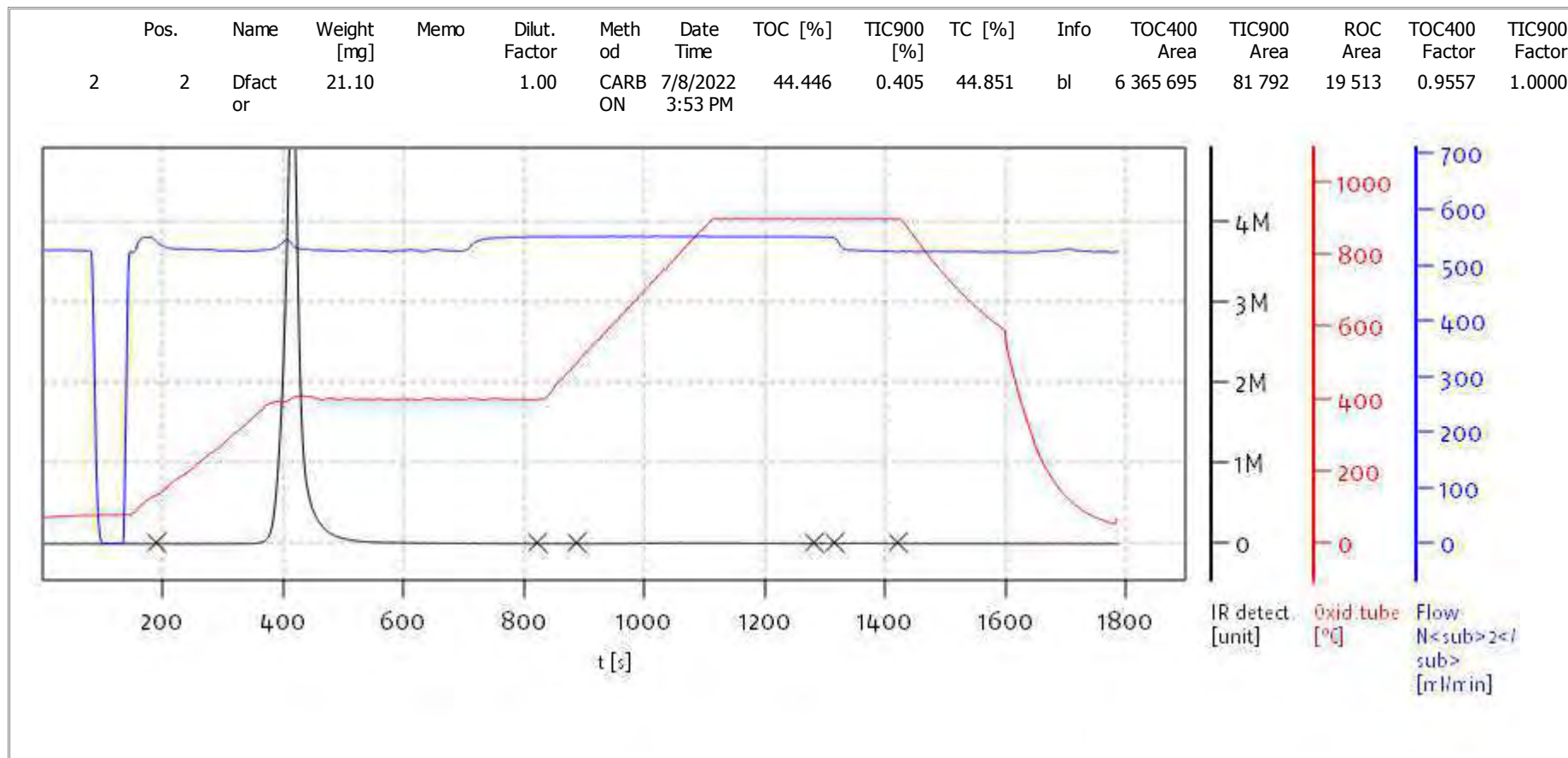
Date: Mon Jul 11 07:43:34 2022



solITOC V2.0.2 (31015f9) 2018-11-19
Serial No: 0300.181017
Mode CCC



Soli TOC Cube, Carbon
Balance: BAL3
Analyst: DOE



Name:

Access: solITOC superuser

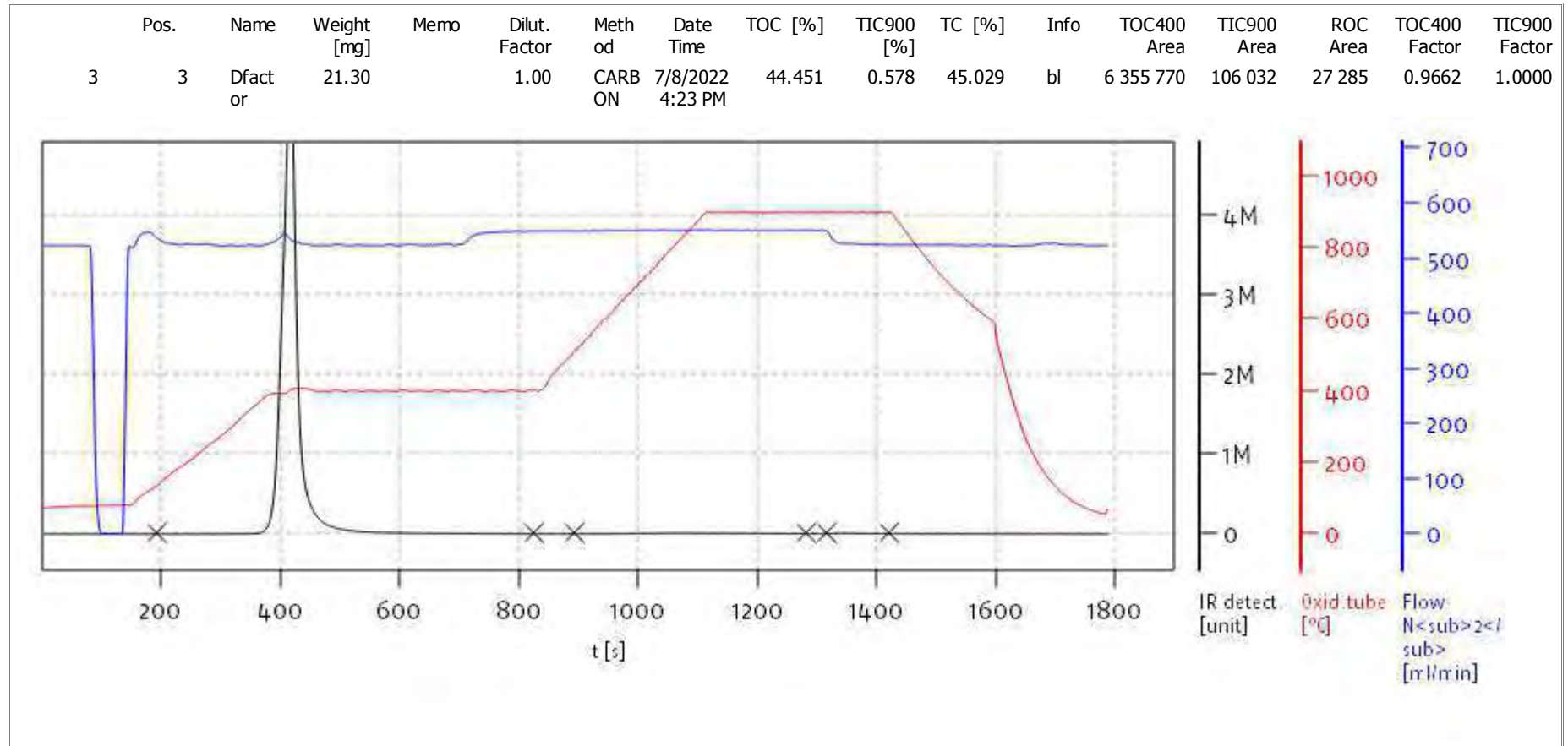
Date: Mon Jul 11 07:43:34 2022



solITOC V2.0.2 (31015f9) 2018-11-19
Serial No: 0300.181017
Mode CCC



Soli TOC Cube, Carbon
Balance: BAL3
Analyst: DOE



Name:

Access: solITOC superuser

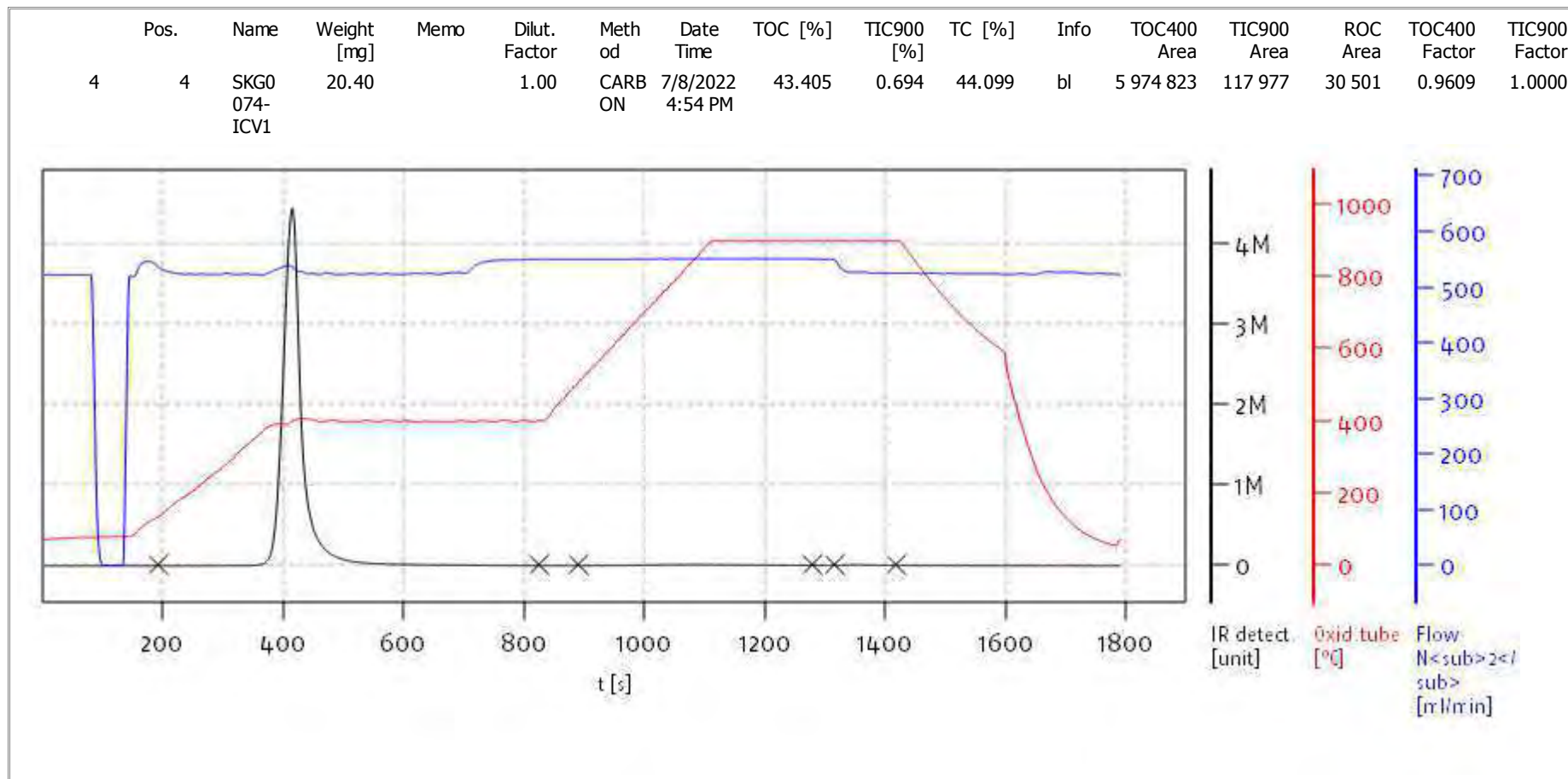
Date: Mon Jul 11 07:43:34 2022



solITOC V2.0.2 (31015f9) 2018-11-19
Serial No: 0300.181017
Mode CCC



Soli TOC Cube, Carbon
Balance: BAL3
Analyst: DOE



Name:

Access: solITOC superuser

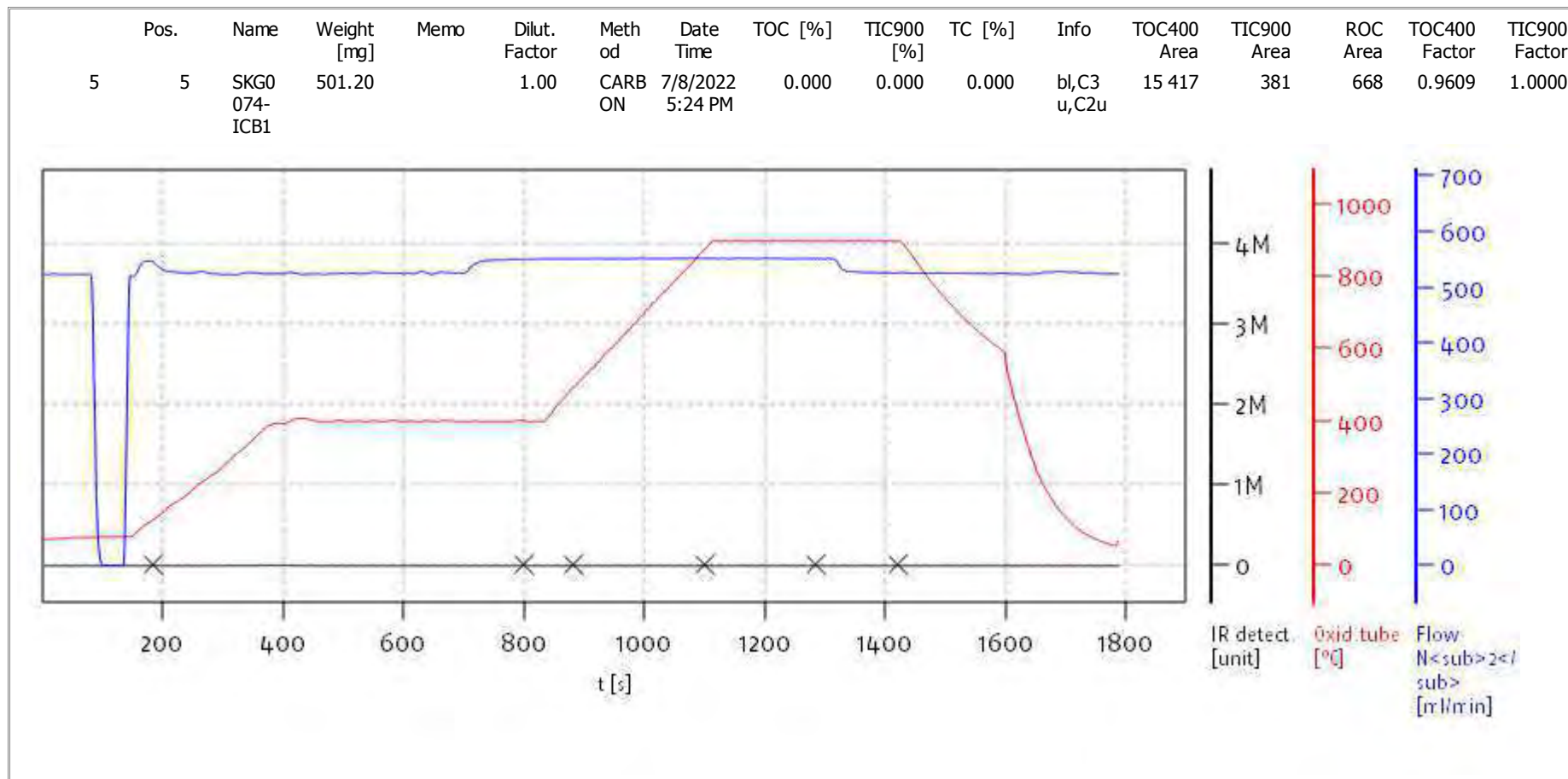
Date: Mon Jul 11 07:43:34 2022



solITOC V2.0.2 (31015f9) 2018-11-19
Serial No: 0300.181017
Mode CCC



Soli TOC Cube, Carbon
Balance: BAL3
Analyst: DOE



Name:

Access: solITOC superuser

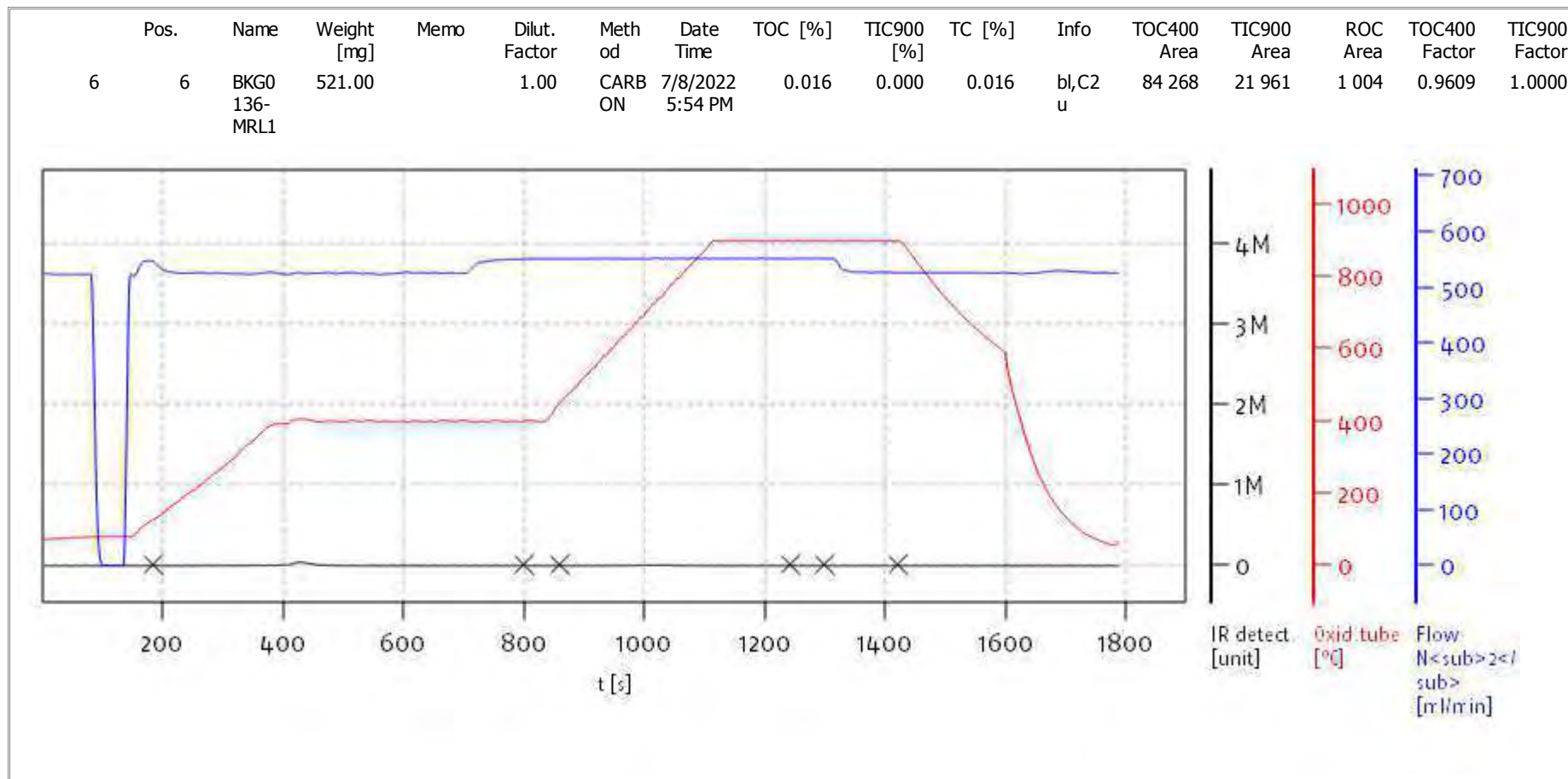
Date: Mon Jul 11 07:43:34 2022



solITOC V2.0.2 (31015f9) 2018-11-19
Serial No: 0300.181017
Mode CCC



Soli TOC Cube, Carbon
Balance: BAL3
Analyst: DOE



Name:

Access: solITOC superuser

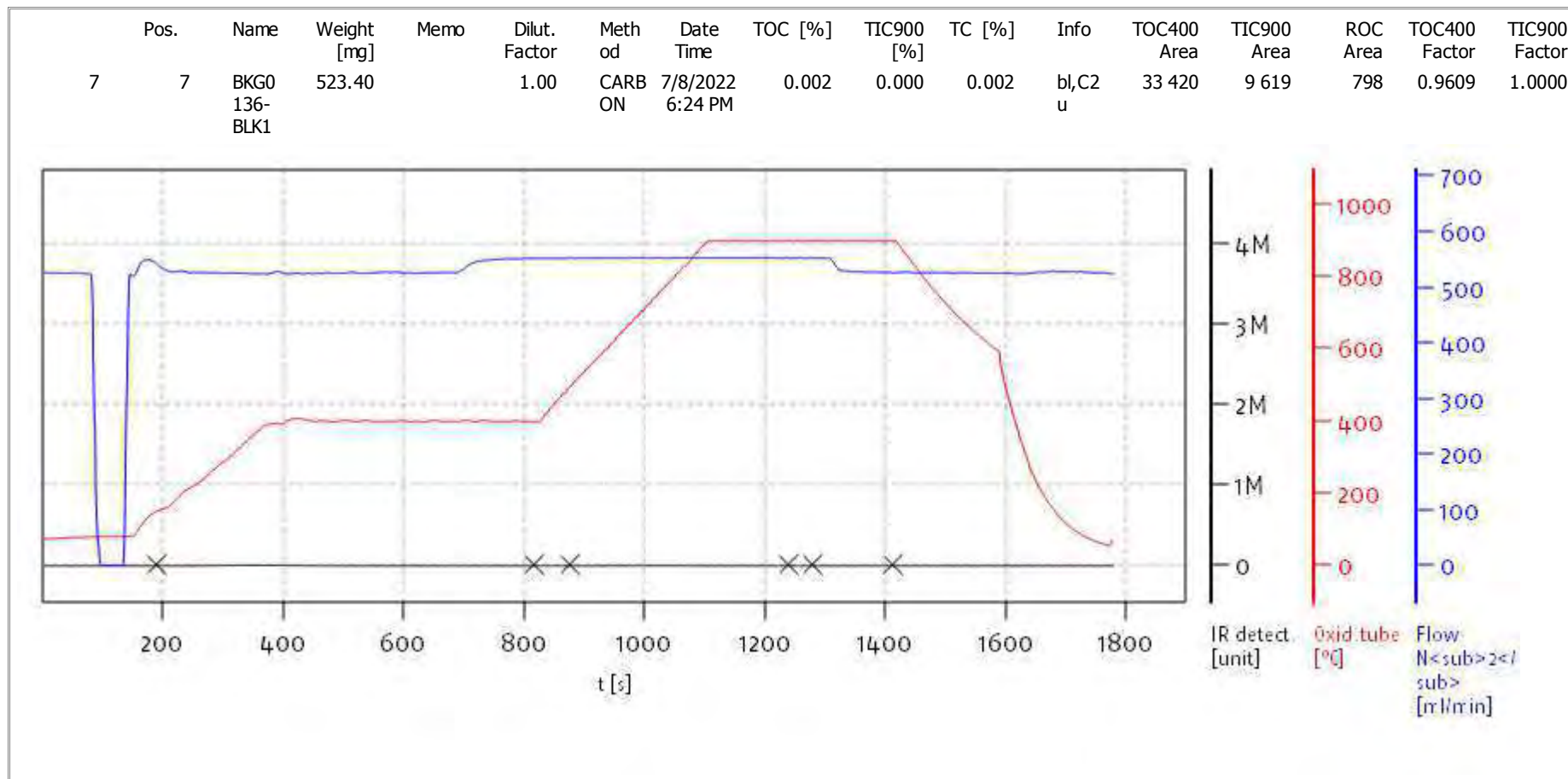
Date: Mon Jul 11 07:43:34 2022



solITOC V2.0.2 (31015f9) 2018-11-19
Serial No: 0300.181017
Mode CCC



Soli TOC Cube, Carbon
Balance: BAL3
Analyst: DOE



Name:

Access: solITOC superuser

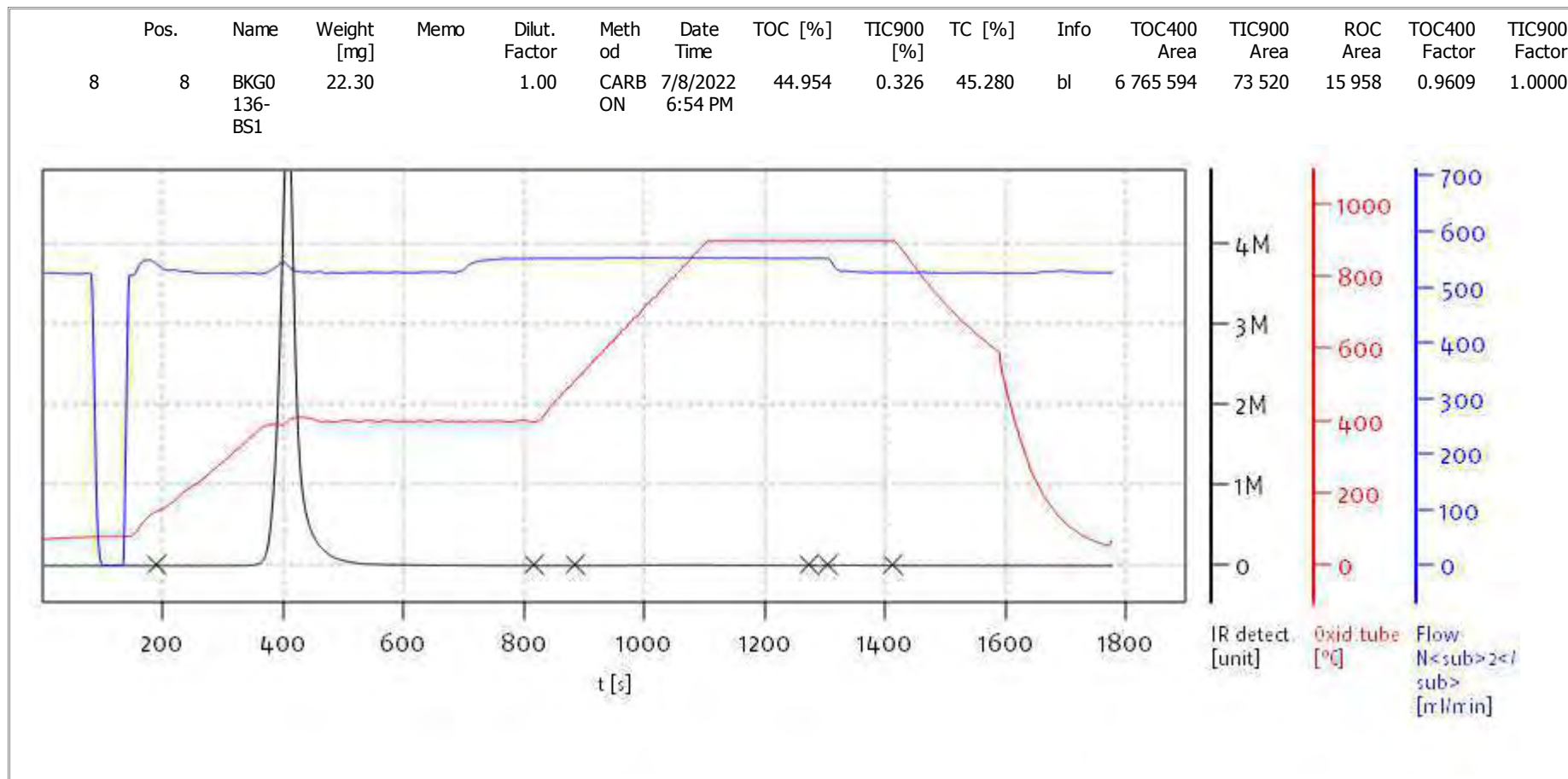
Date: Mon Jul 11 07:43:34 2022



solITOC V2.0.2 (31015f9) 2018-11-19
Serial No: 0300.181017
Mode CCC



Soli TOC Cube, Carbon
Balance: BAL3
Analyst: DOE



Name:

Access: solITOC superuser

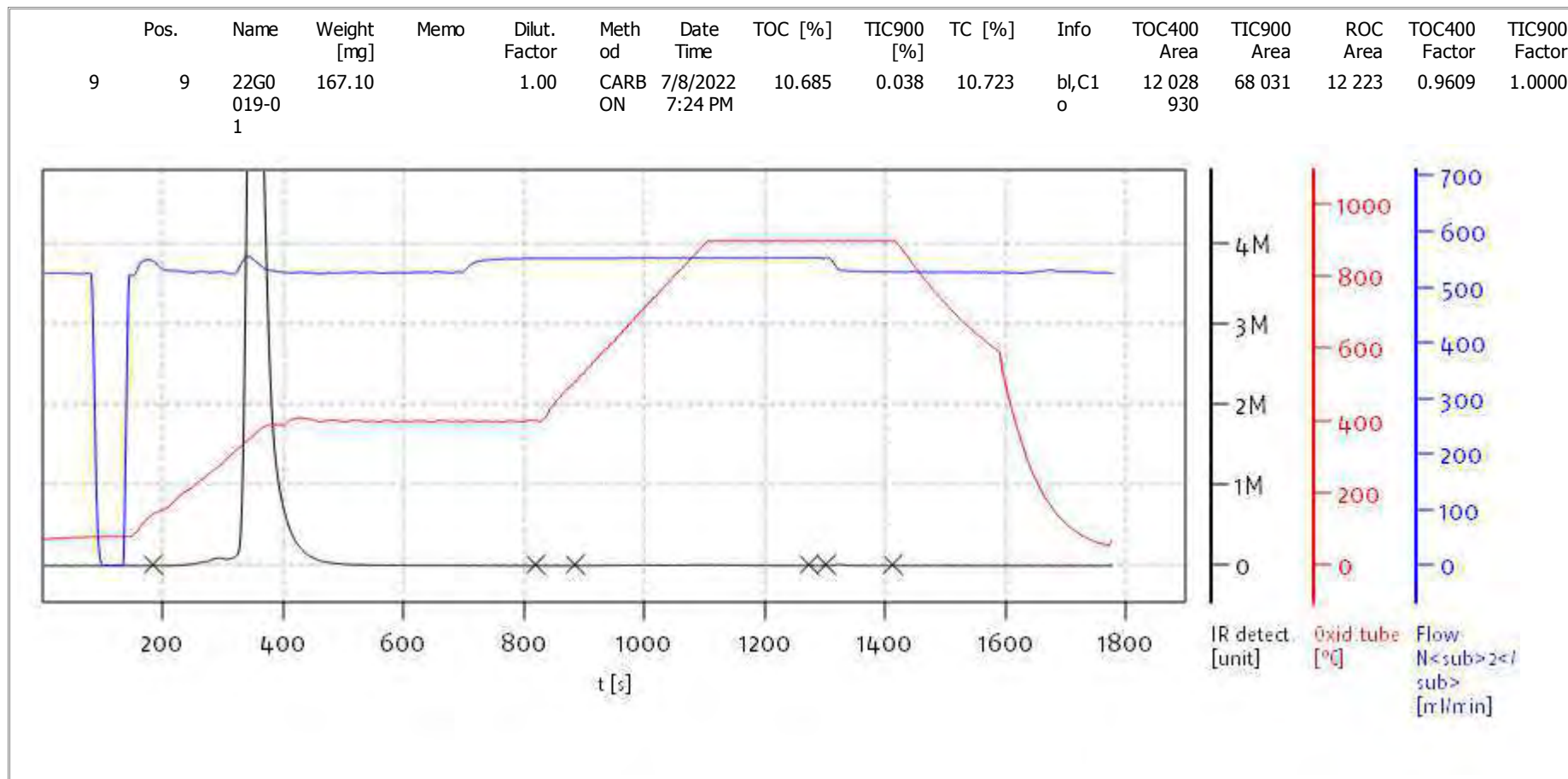
Date: Mon Jul 11 07:43:34 2022



solITOC V2.0.2 (31015f9) 2018-11-19
Serial No: 0300.181017
Mode CCC



Soli TOC Cube, Carbon
Balance: BAL3
Analyst: DOE



Name:

Access: solITOC superuser

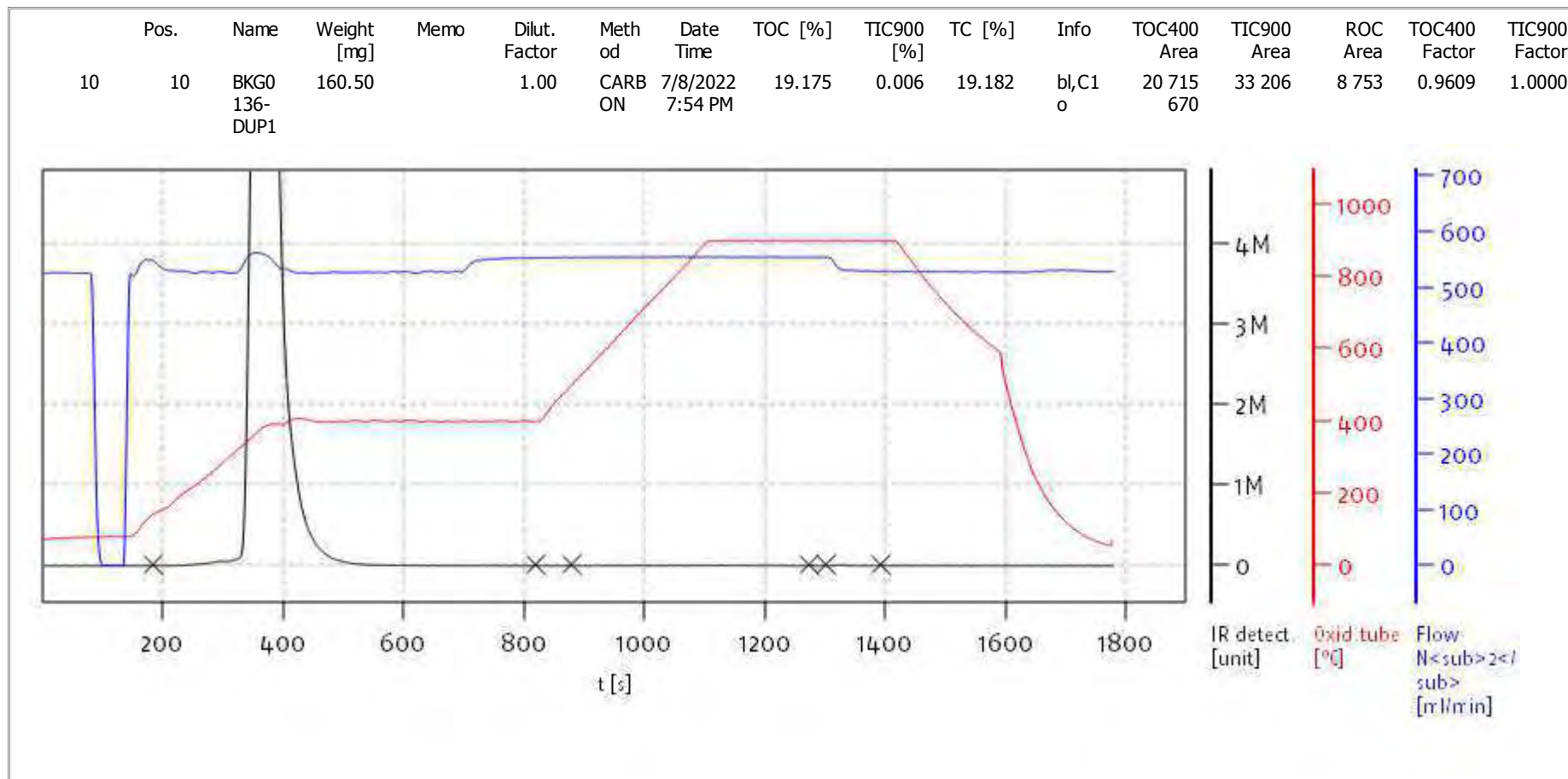
Date: Mon Jul 11 07:43:34 2022



solITOC V2.0.2 (31015f9) 2018-11-19
Serial No: 0300.181017
Mode CCC



Soli TOC Cube, Carbon
Balance: BAL3
Analyst: DOE



Name:

Access: solITOC superuser

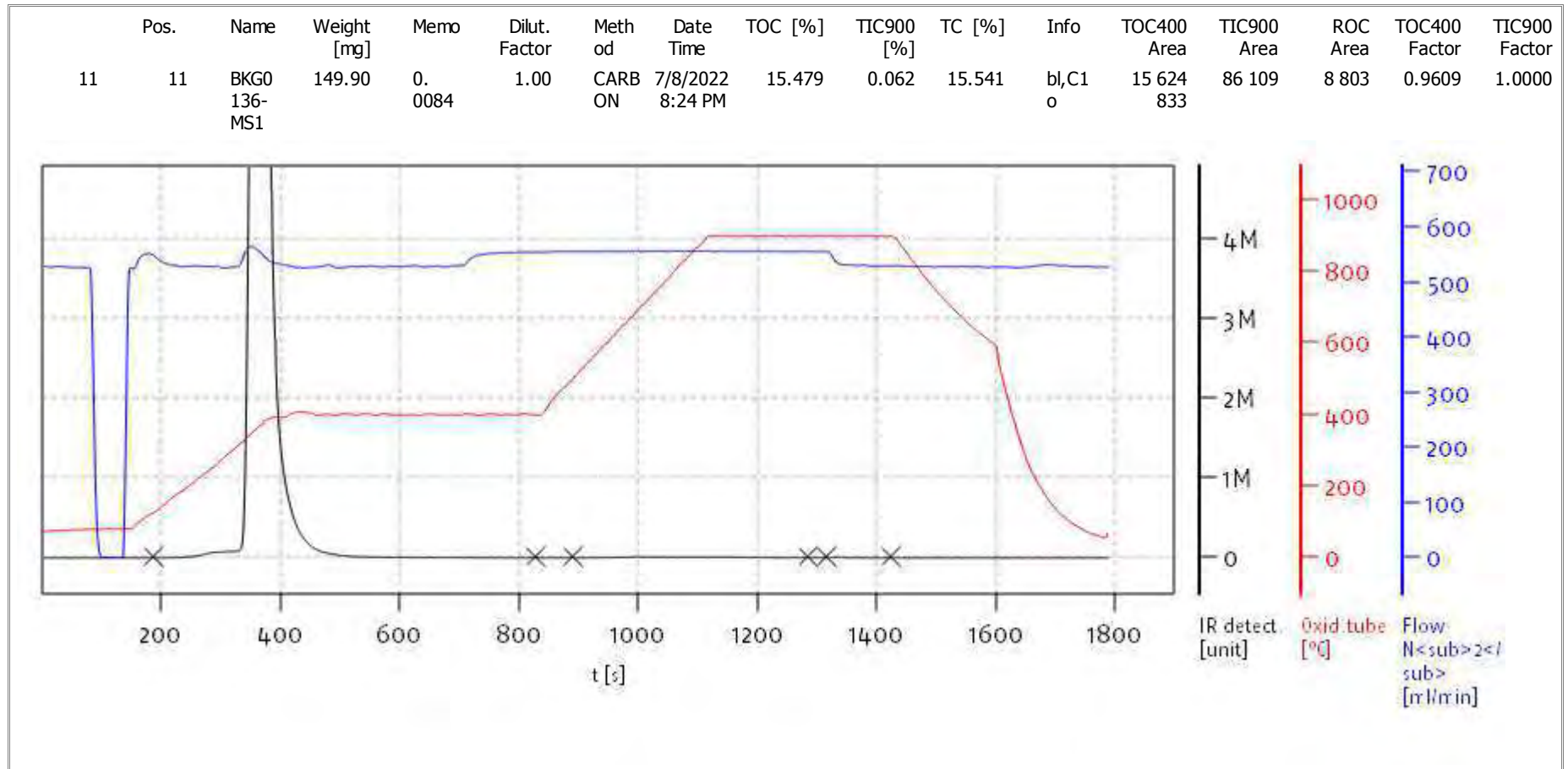
Date: Mon Jul 11 07:43:34 2022



solITOC V2.0.2 (31015f9) 2018-11-19
Serial No: 0300.181017
Mode CCC



Soli TOC Cube, Carbon
Balance: BAL3
Analyst: DOE



Name:

Access: solITOC superuser

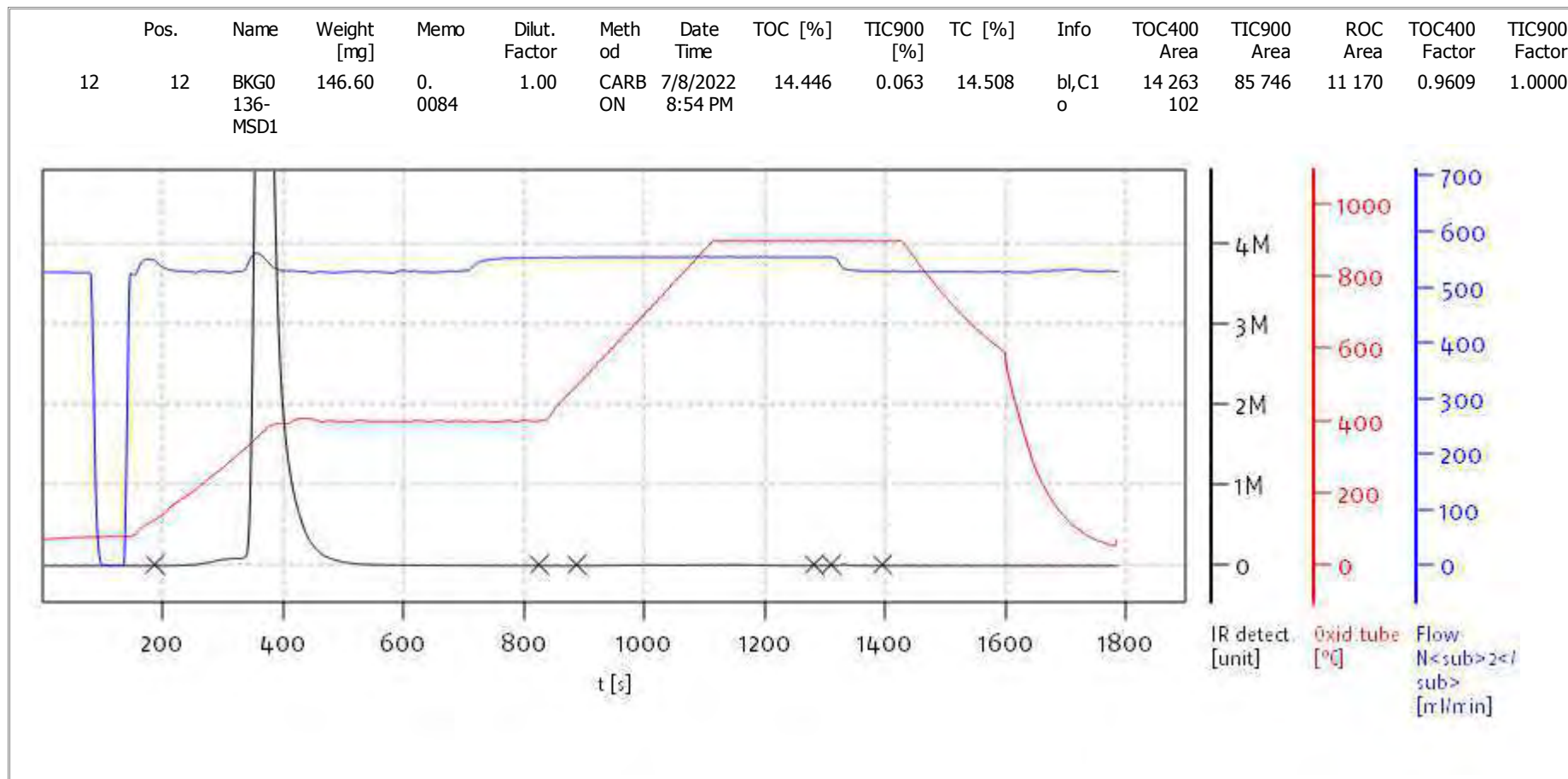
Date: Mon Jul 11 07:43:34 2022



solITOC V2.0.2 (31015f9) 2018-11-19
Serial No: 0300.181017
Mode CCC



Soli TOC Cube, Carbon
Balance: BAL3
Analyst: DOE



Name:

Access: solITOC superuser

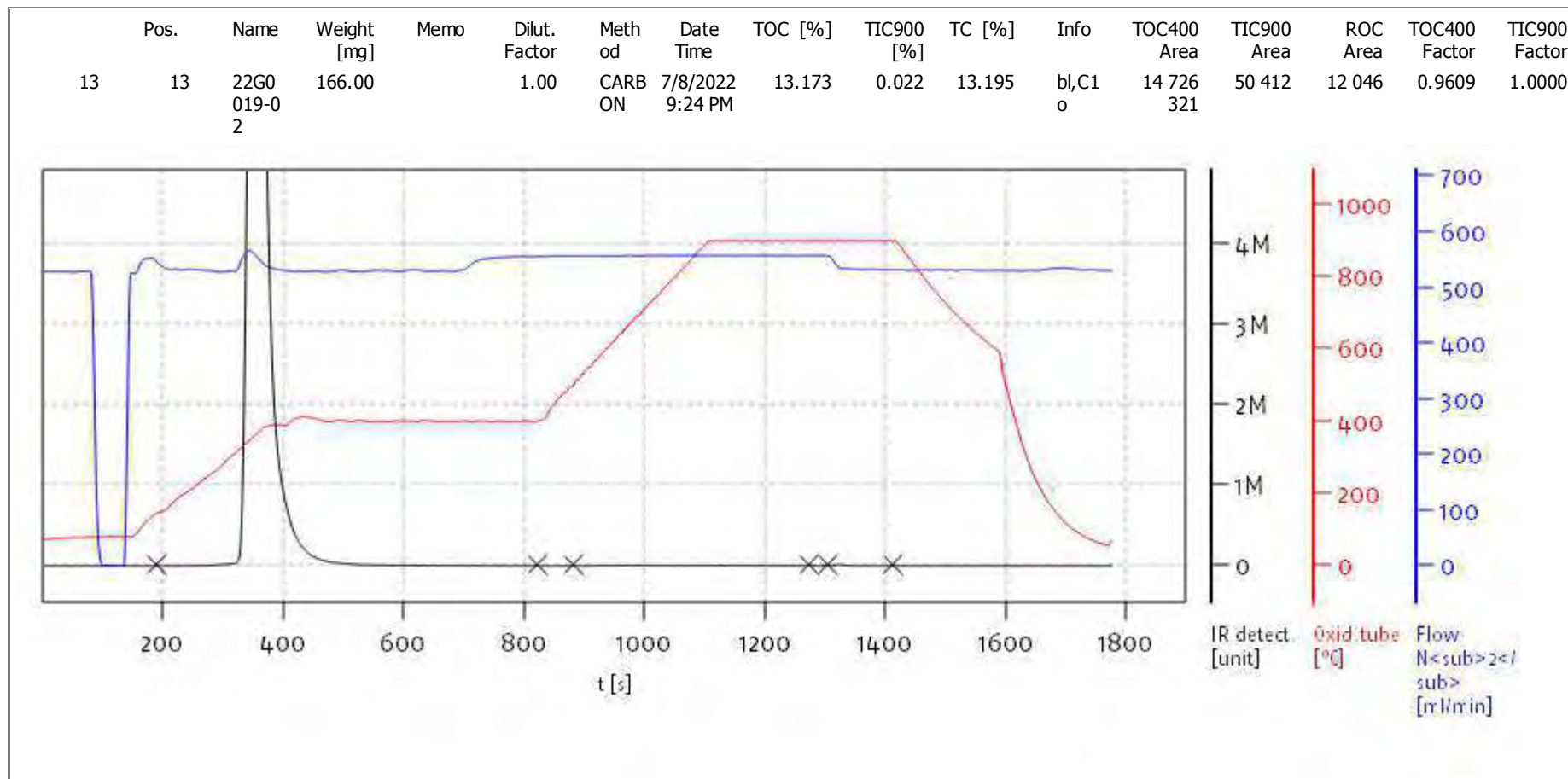
Date: Mon Jul 11 07:43:34 2022



solITOC V2.0.2 (31015f9) 2018-11-19
Serial No: 0300.181017
Mode CCC



Soli TOC Cube, Carbon
Balance: BAL3
Analyst: DOE



Name:

Access: solITOC superuser

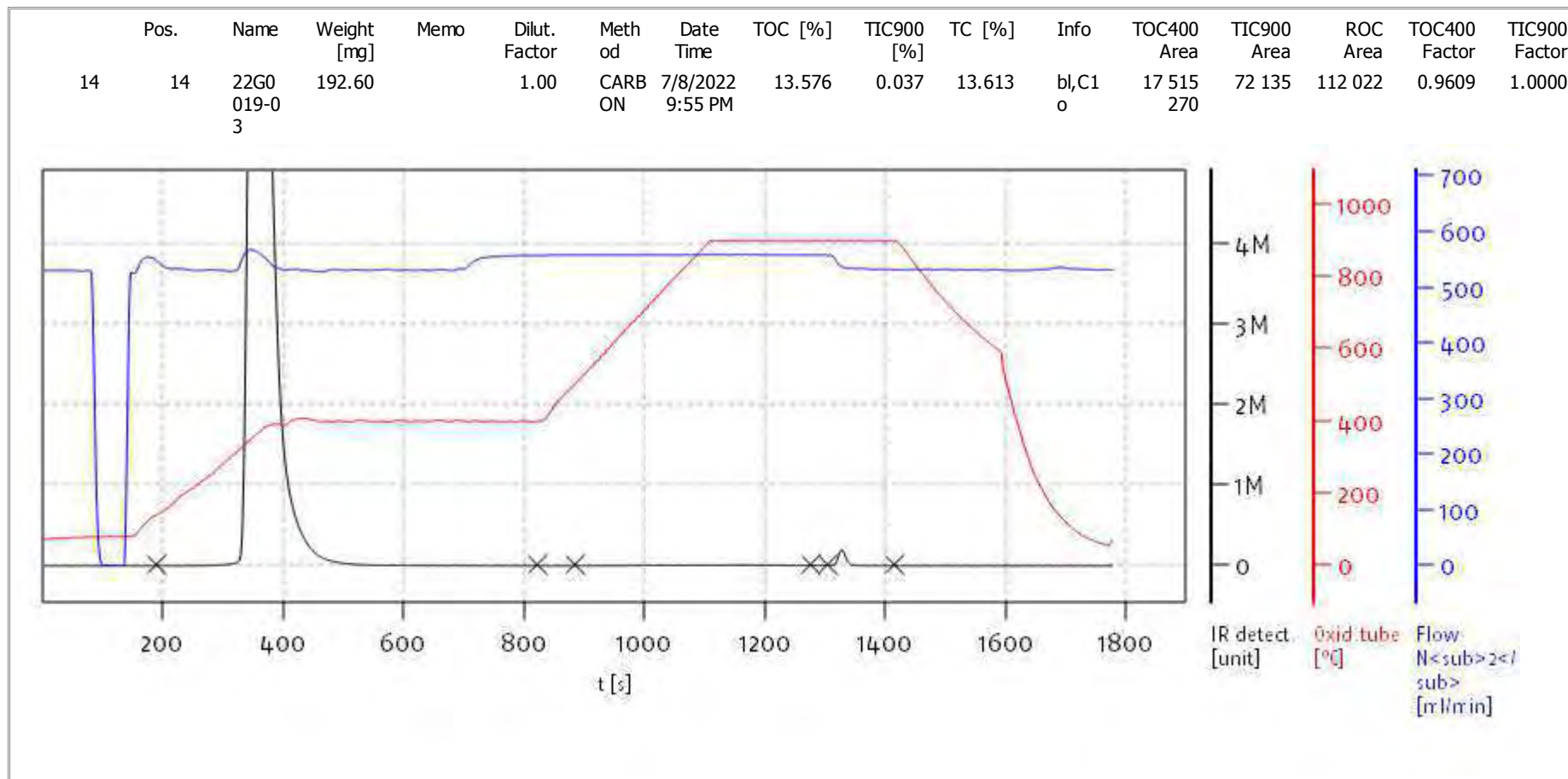
Date: Mon Jul 11 07:43:34 2022



solITOC V2.0.2 (31015f9) 2018-11-19
Serial No: 0300.181017
Mode CCC



Soli TOC Cube, Carbon
Balance: BAL3
Analyst: DOE



Name:

Access: solITOC superuser

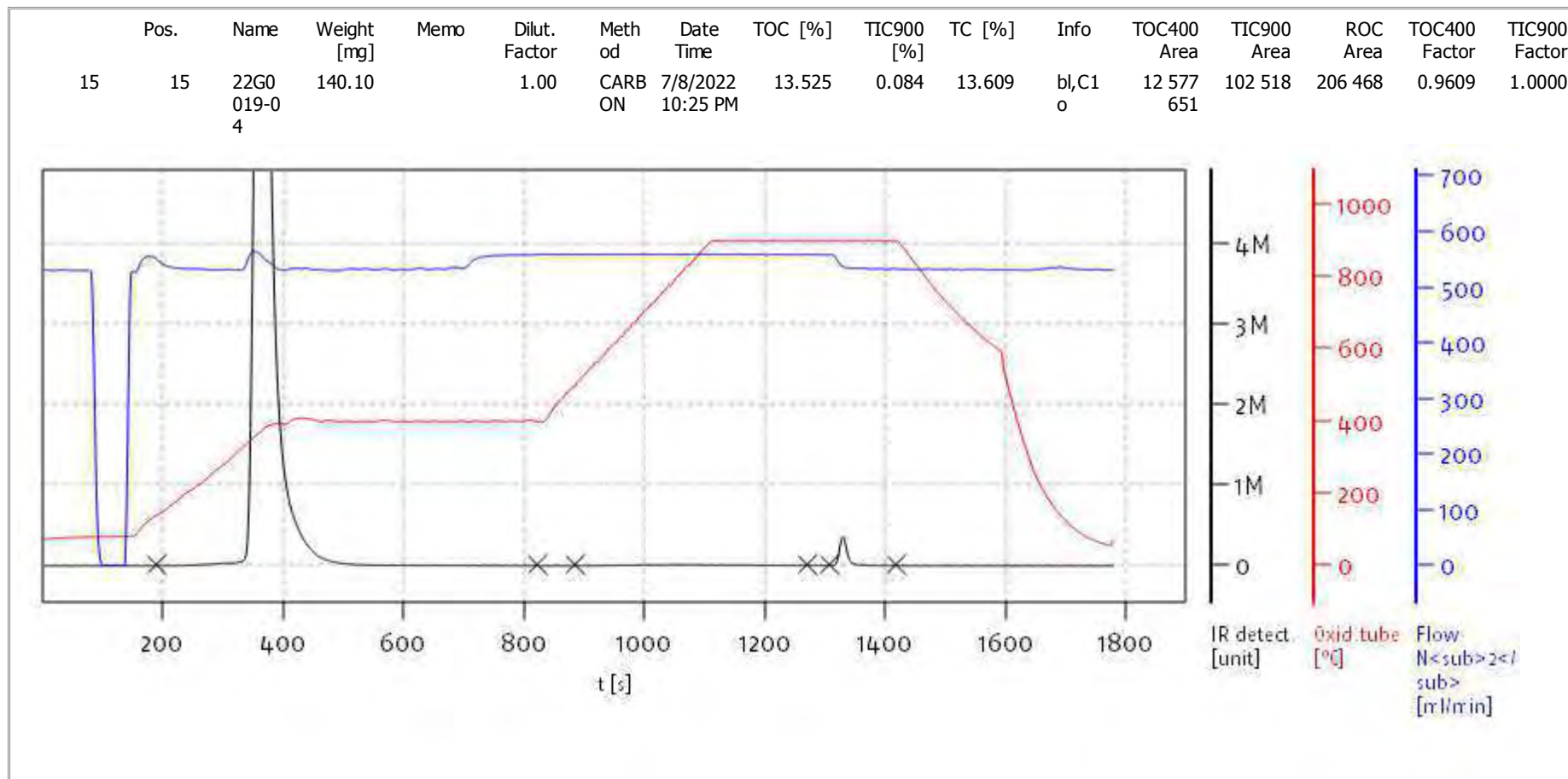
Date: Mon Jul 11 07:43:34 2022



solITOC V2.0.2 (31015f9) 2018-11-19
Serial No: 0300.181017
Mode CCC



Soli TOC Cube, Carbon
Balance: BAL3
Analyst: DOE



Name:

Access: solITOC superuser

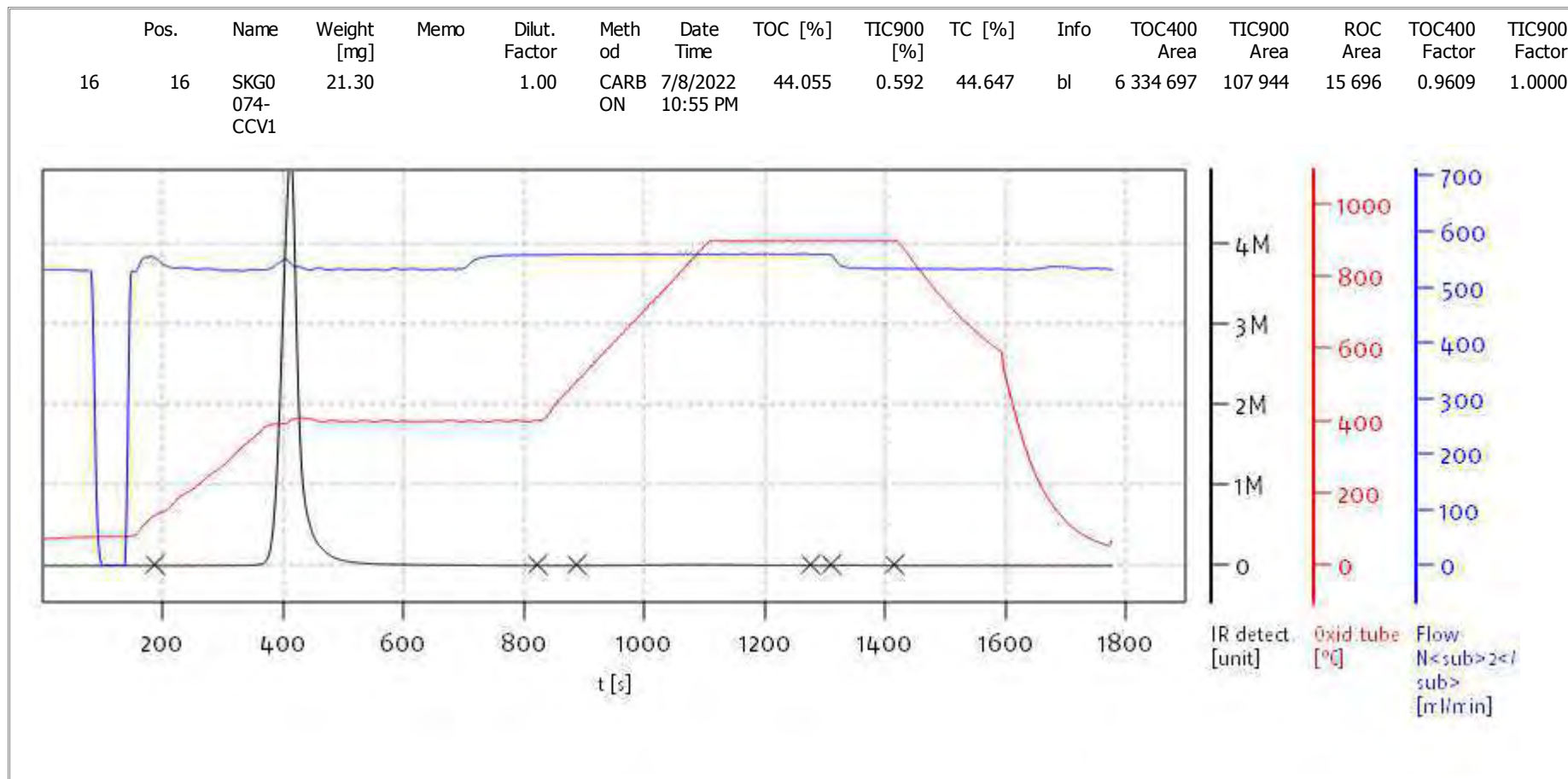
Date: Mon Jul 11 07:43:34 2022



solITOC V2.0.2 (31015f9) 2018-11-19
Serial No: 0300.181017
Mode CCC



Soli TOC Cube, Carbon
Balance: BAL3
Analyst: DOE



Name:

Access: solITOC superuser

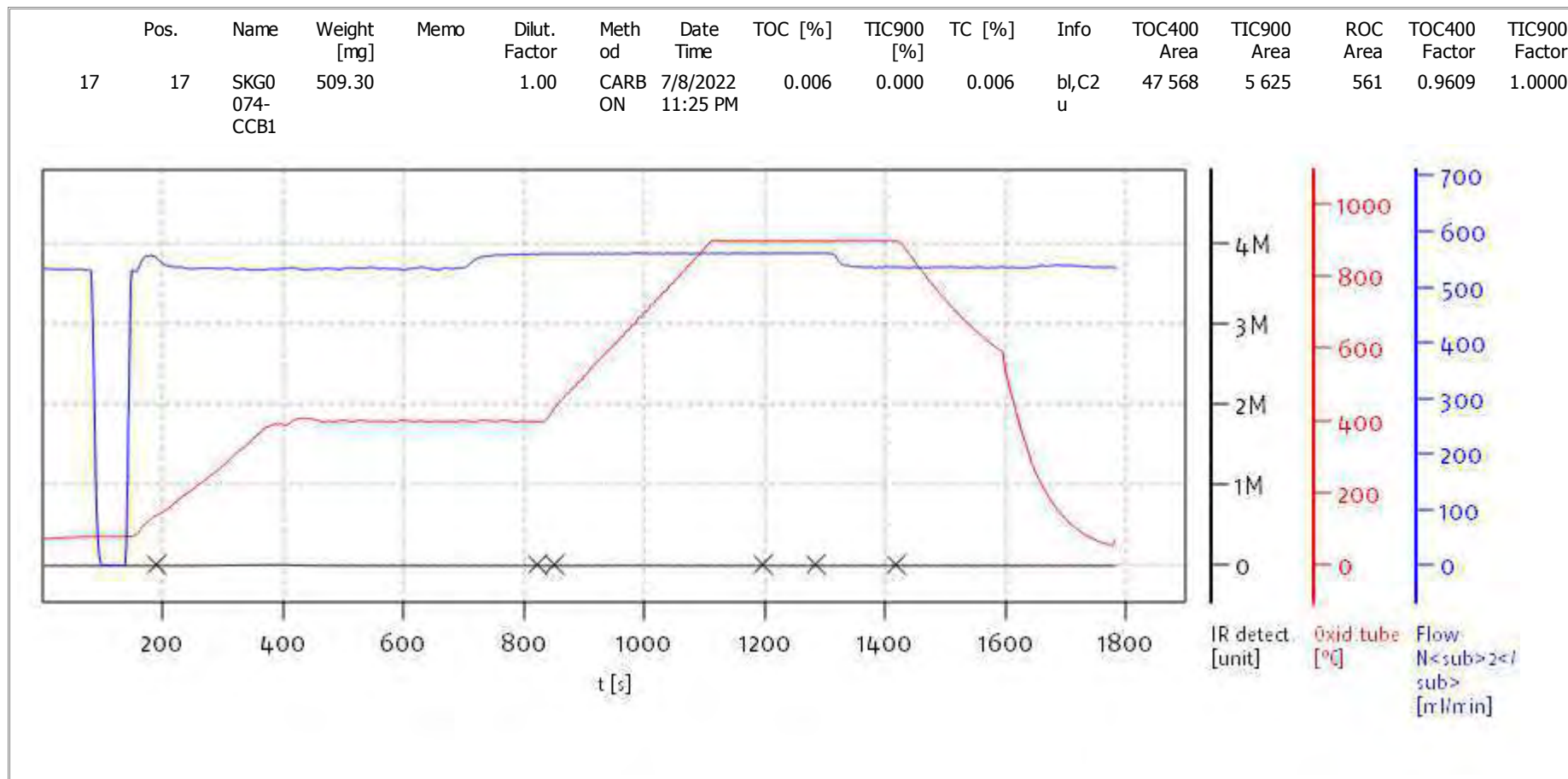
Date: Mon Jul 11 07:43:34 2022



solITOC V2.0.2 (31015f9) 2018-11-19
Serial No: 0300.181017
Mode CCC



Soli TOC Cube, Carbon
Balance: BAL3
Analyst: DOE



Name:

Access: solITOC superuser

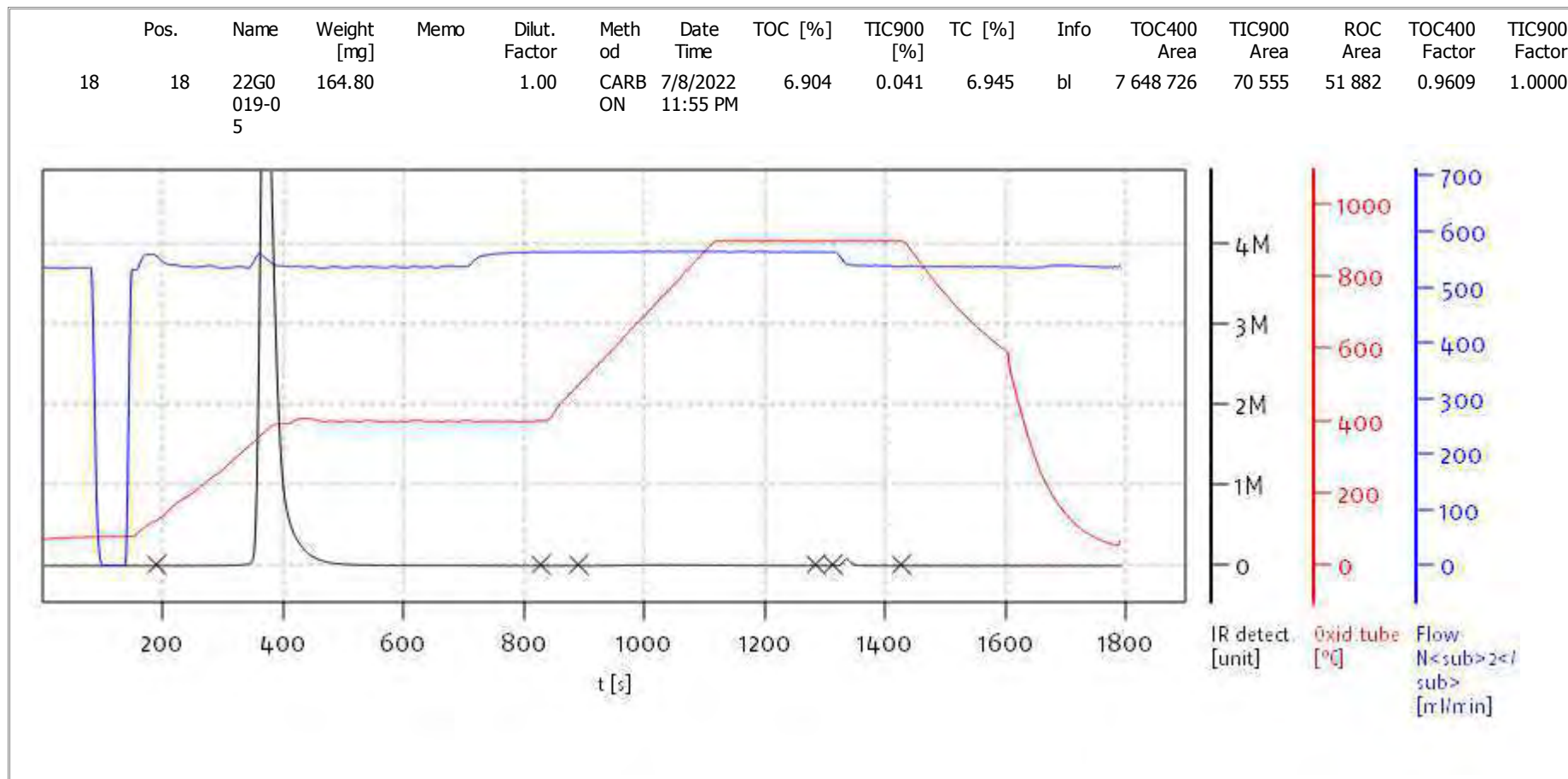
Date: Mon Jul 11 07:43:34 2022



solITOC V2.0.2 (31015f9) 2018-11-19
Serial No: 0300.181017
Mode CCC



Soli TOC Cube, Carbon
Balance: BAL3
Analyst: DOE



Name:

Access: solITOC superuser

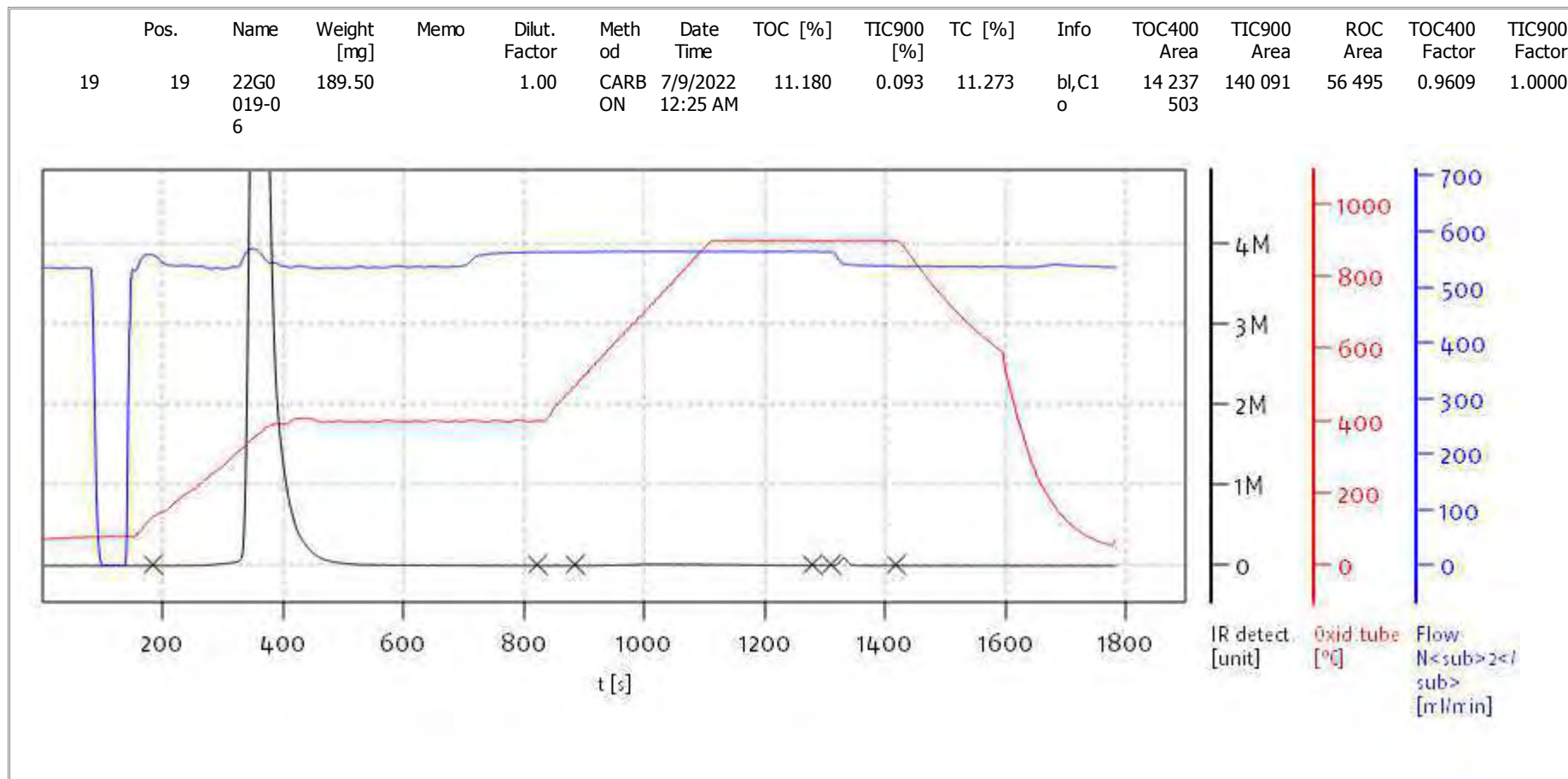
Date: Mon Jul 11 07:43:34 2022



solITOC V2.0.2 (31015f9) 2018-11-19
Serial No: 0300.181017
Mode CCC



Soli TOC Cube, Carbon
Balance: BAL3
Analyst: DOE



Name:

Access: solITOC superuser

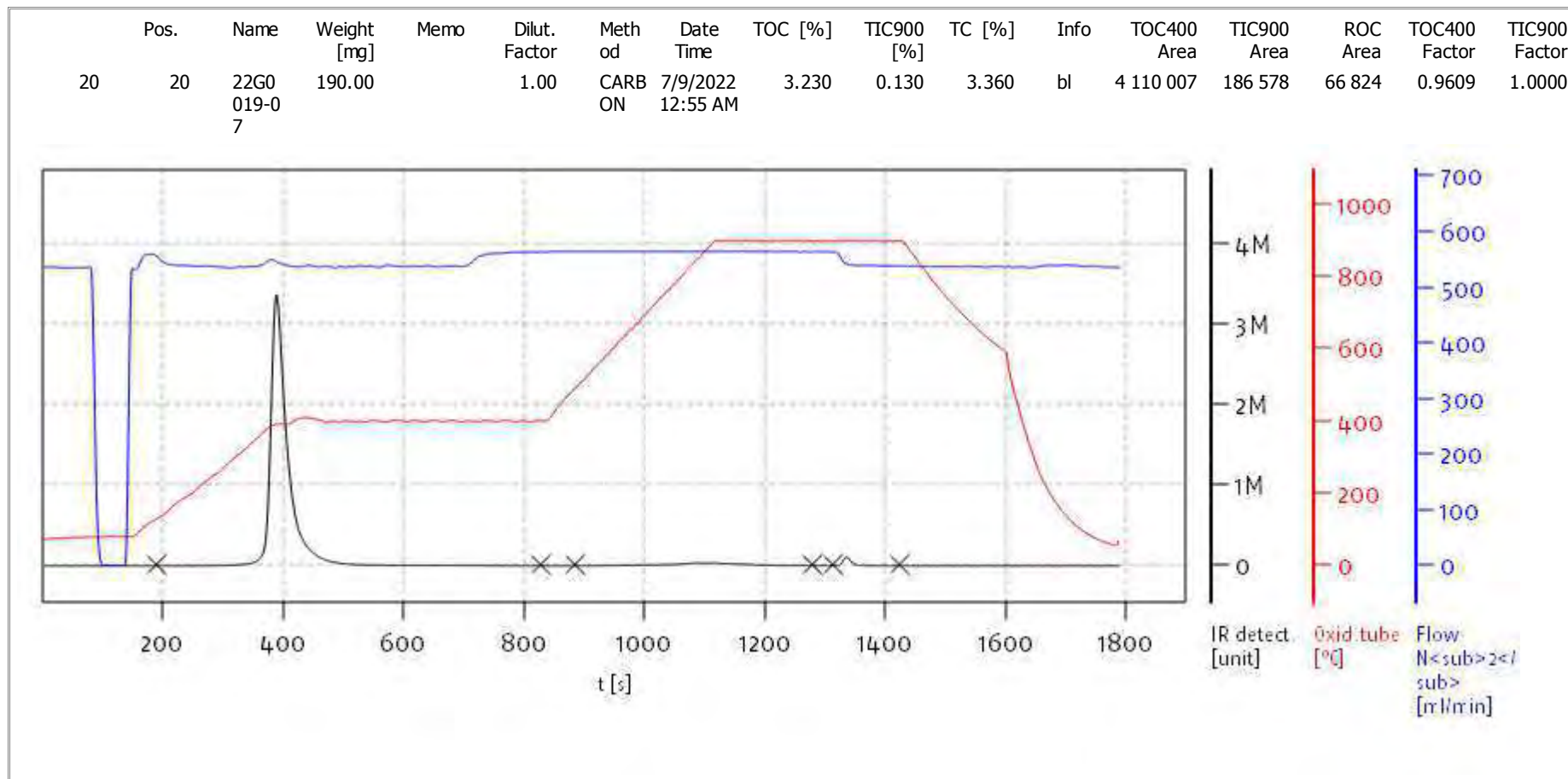
Date: Mon Jul 11 07:43:34 2022



solITOC V2.0.2 (31015f9) 2018-11-19
Serial No: 0300.181017
Mode CCC



Soli TOC Cube, Carbon
Balance: BAL3
Analyst: DOE



Name:

Access: solITOC superuser

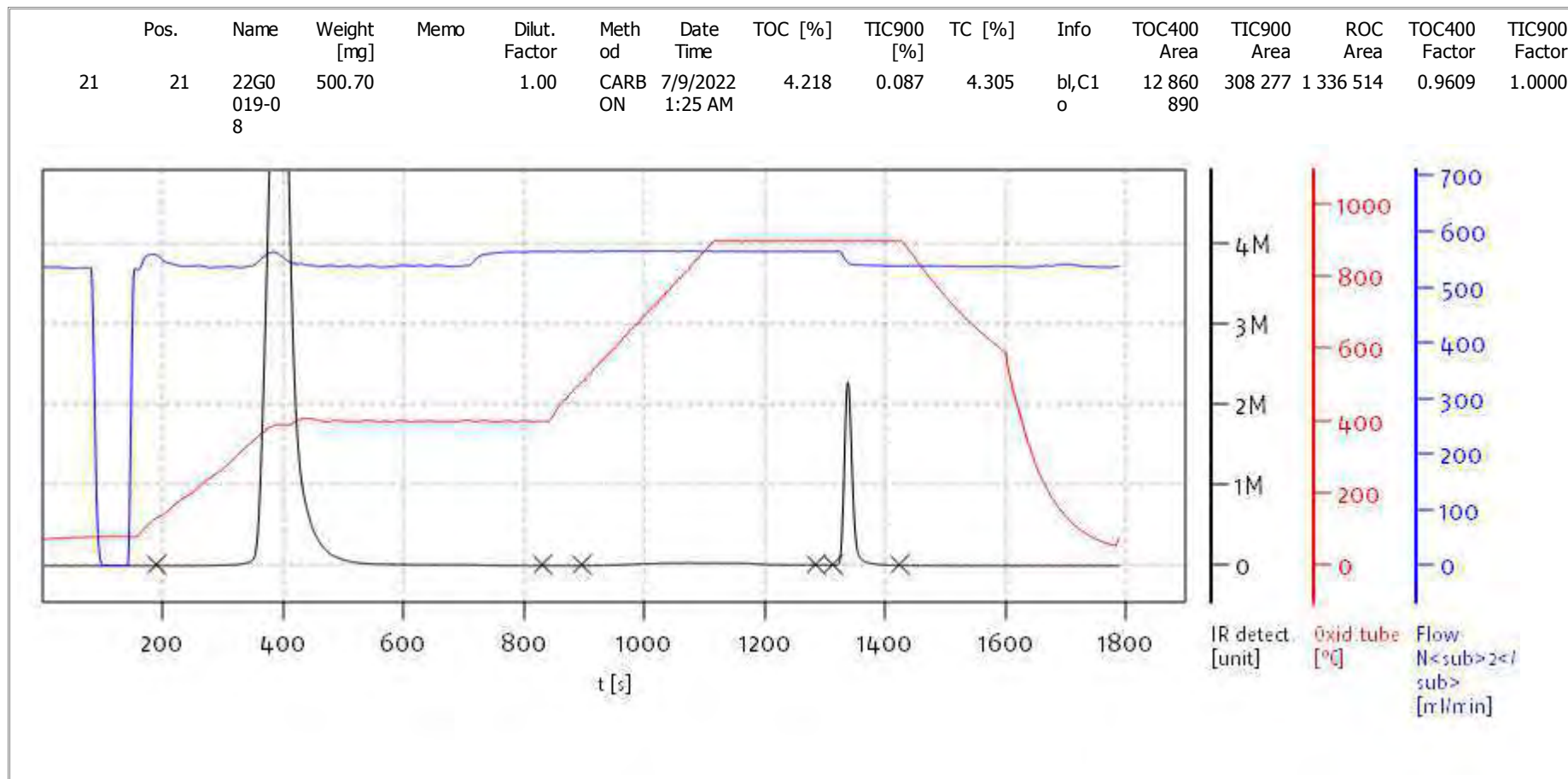
Date: Mon Jul 11 07:43:34 2022



solITOC V2.0.2 (31015f9) 2018-11-19
Serial No: 0300.181017
Mode CCC



Soli TOC Cube, Carbon
Balance: BAL3
Analyst: DOE



Name:

Access: solITOC superuser

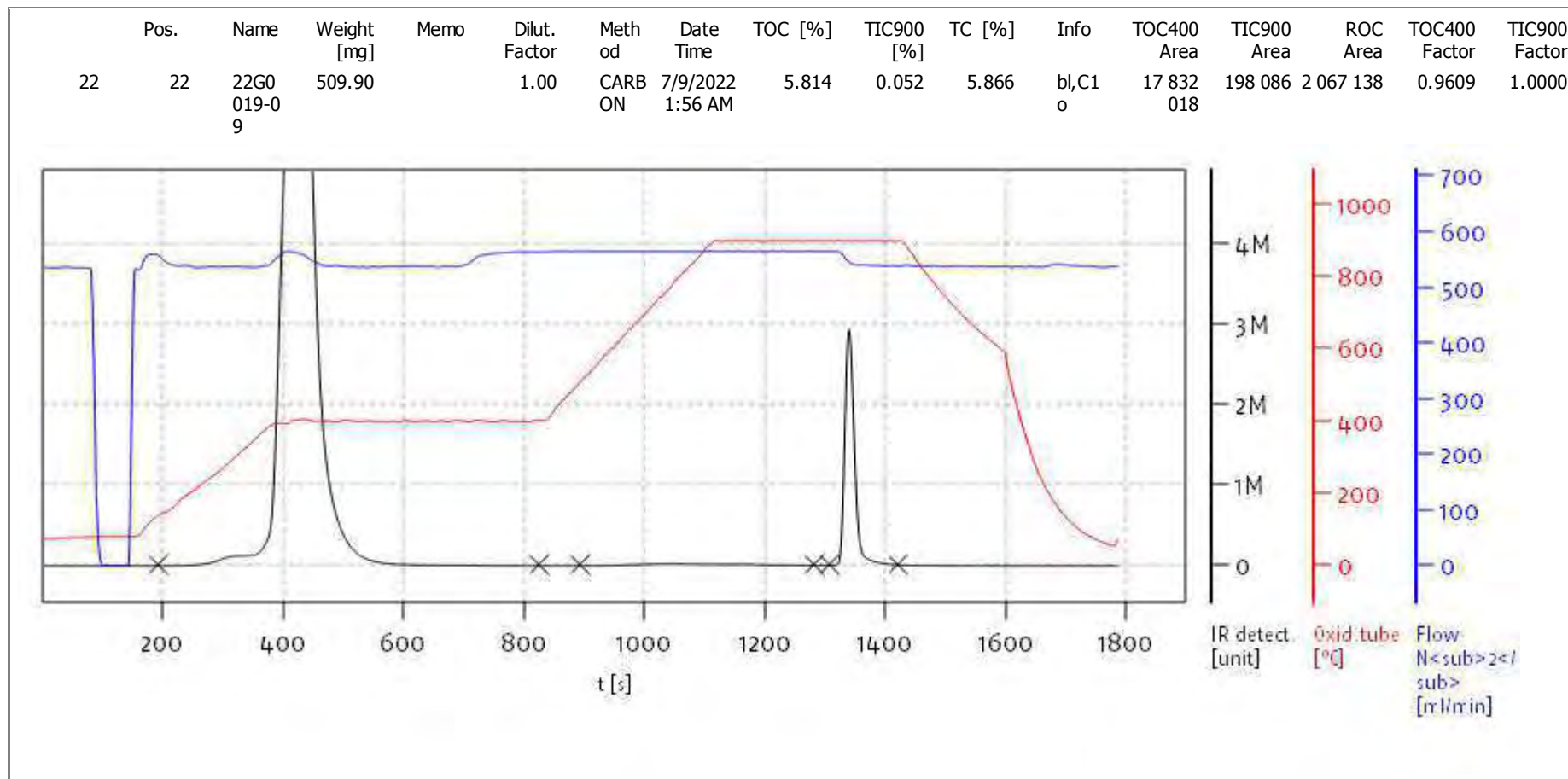
Date: Mon Jul 11 07:43:34 2022



solITOC V2.0.2 (31015f9) 2018-11-19
Serial No: 0300.181017
Mode CCC



Soli TOC Cube, Carbon
Balance: BAL3
Analyst: DOE



Name:

Access: solITOC superuser

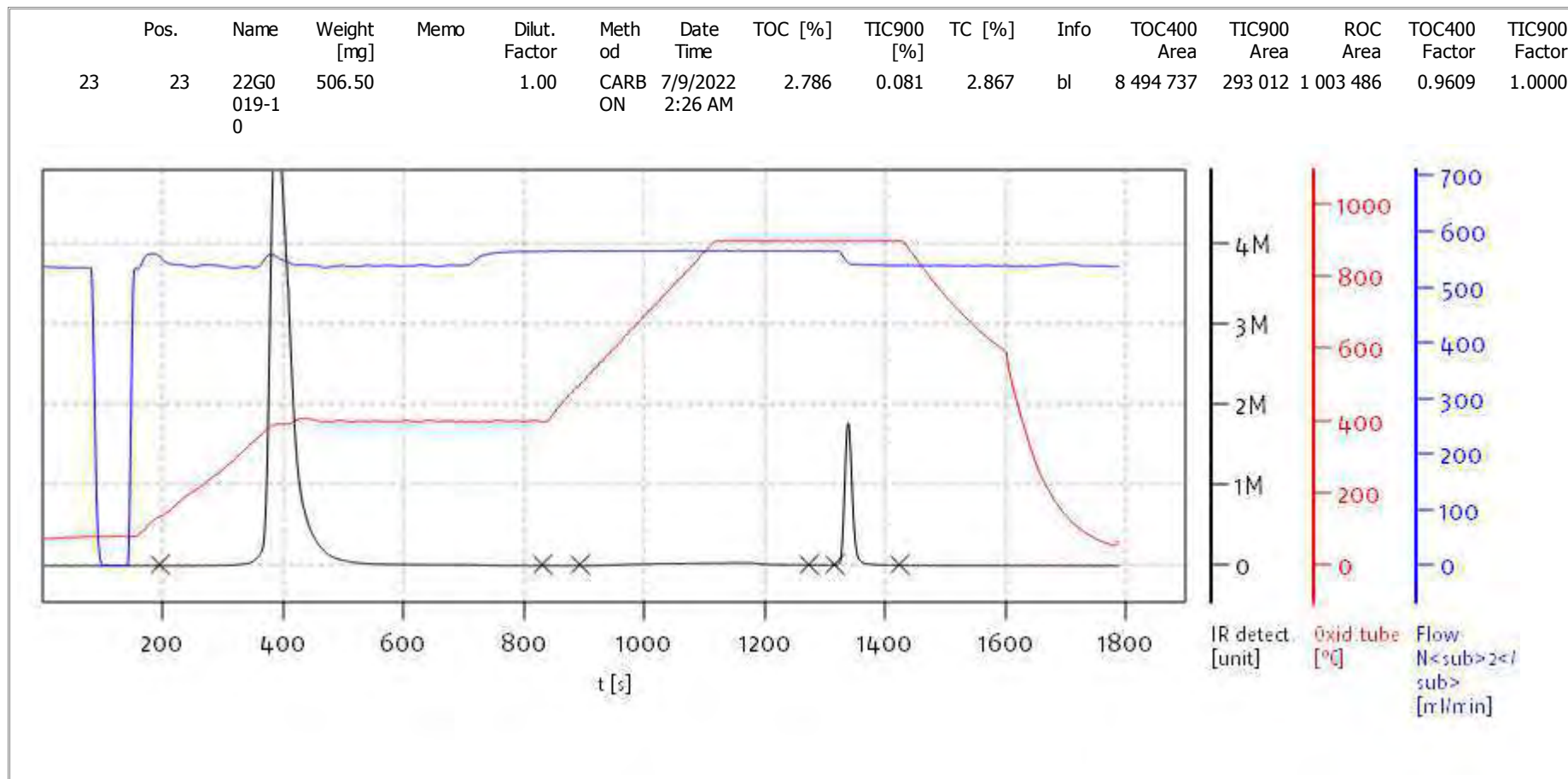
Date: Mon Jul 11 07:43:34 2022



solITOC V2.0.2 (31015f9) 2018-11-19
Serial No: 0300.181017
Mode CCC



Soli TOC Cube, Carbon
Balance: BAL3
Analyst: DOE



Name:

Access: solITOC superuser

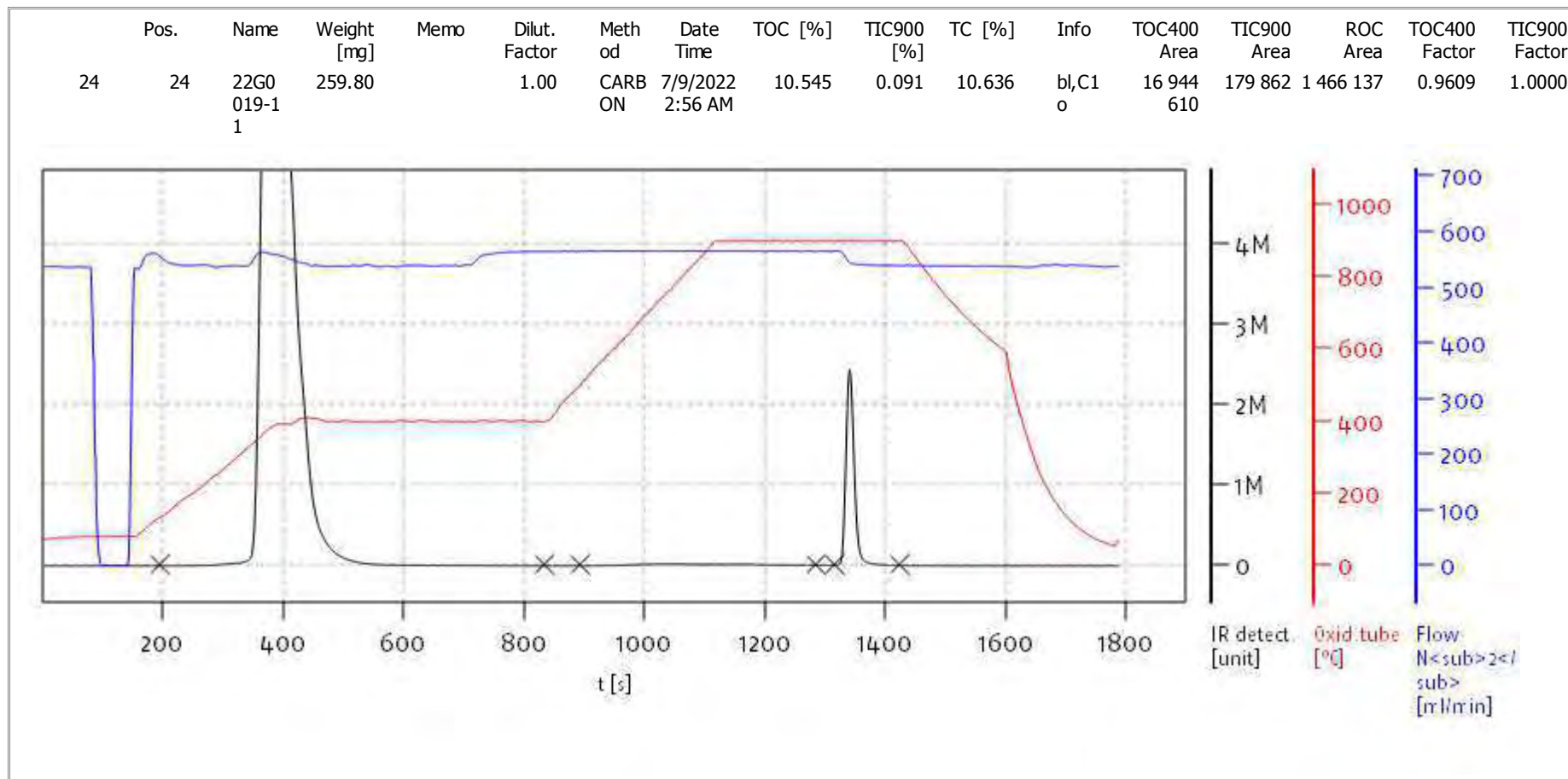
Date: Mon Jul 11 07:43:34 2022



solITOC V2.0.2 (31015f9) 2018-11-19
Serial No: 0300.181017
Mode CCC



Soli TOC Cube, Carbon
Balance: BAL3
Analyst: DOE



Name:

Access: solITOC superuser

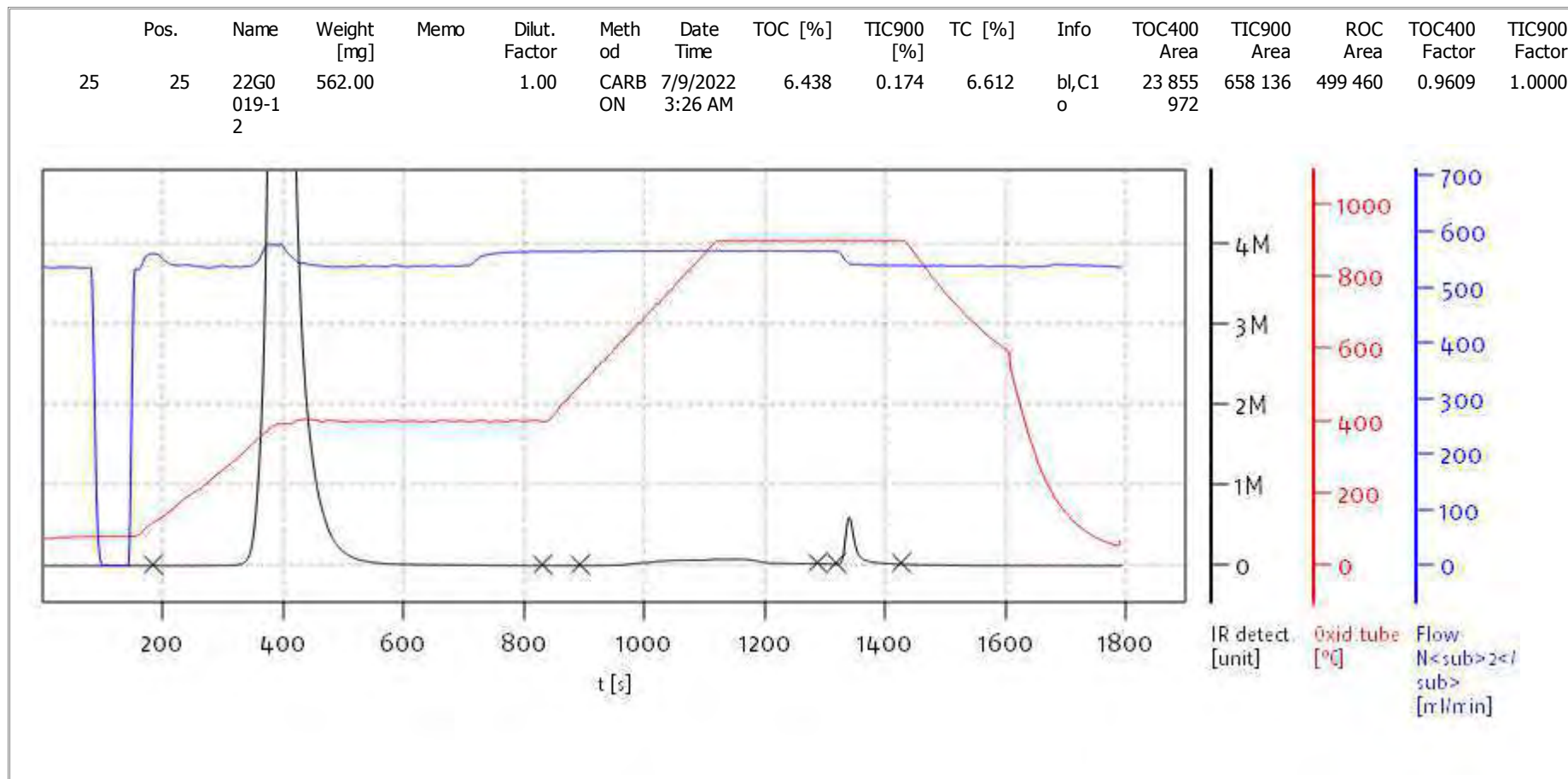
Date: Mon Jul 11 07:43:34 2022



solITOC V2.0.2 (31015f9) 2018-11-19
Serial No: 0300.181017
Mode CCC



Soli TOC Cube, Carbon
Balance: BAL3
Analyst: DOE



Name:

Access: solITOC superuser

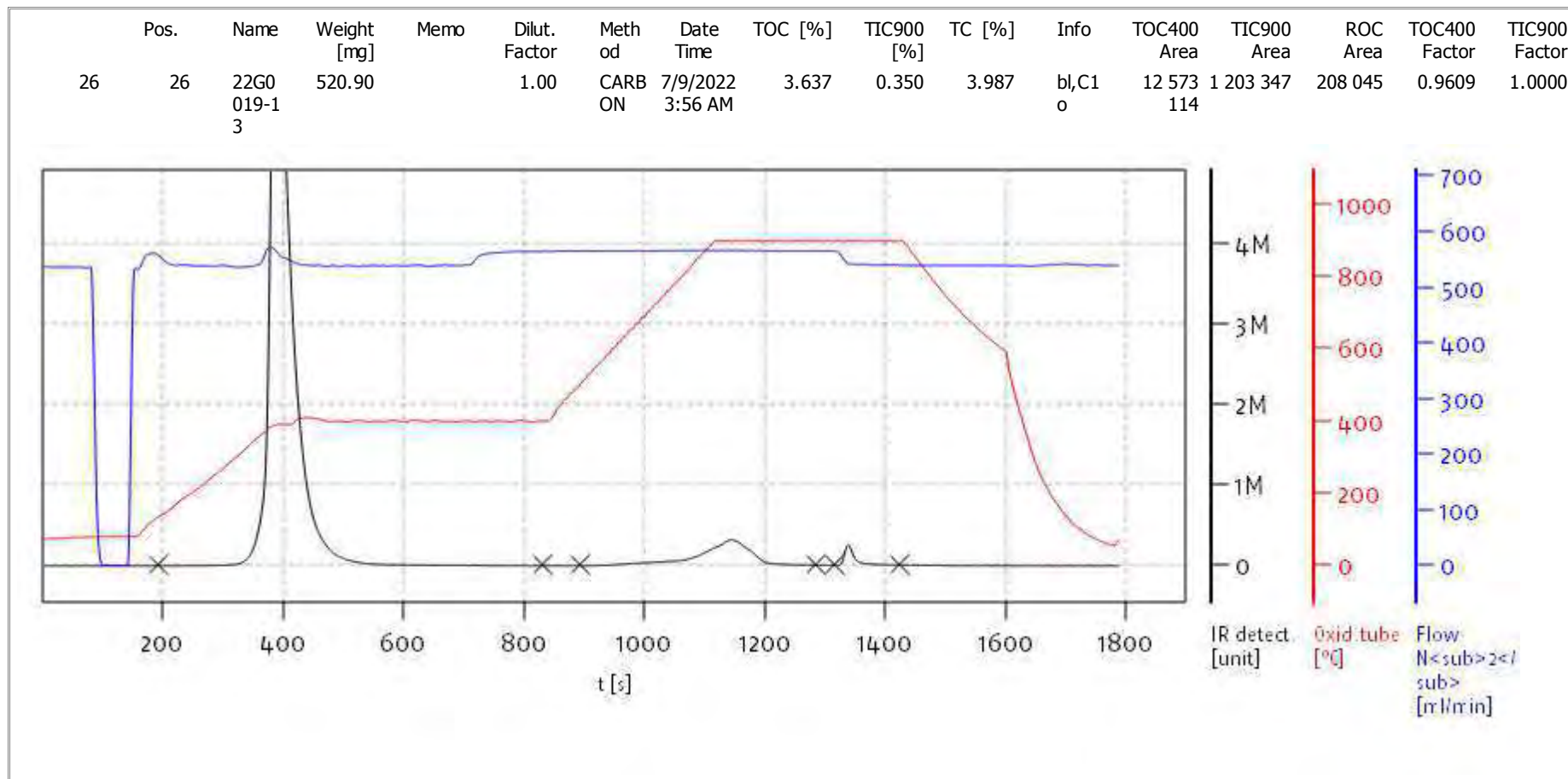
Date: Mon Jul 11 07:43:34 2022



solITOC V2.0.2 (31015f9) 2018-11-19
Serial No: 0300.181017
Mode CCC



Soli TOC Cube, Carbon
Balance: BAL3
Analyst: DOE



Name:

Access: solITOC superuser

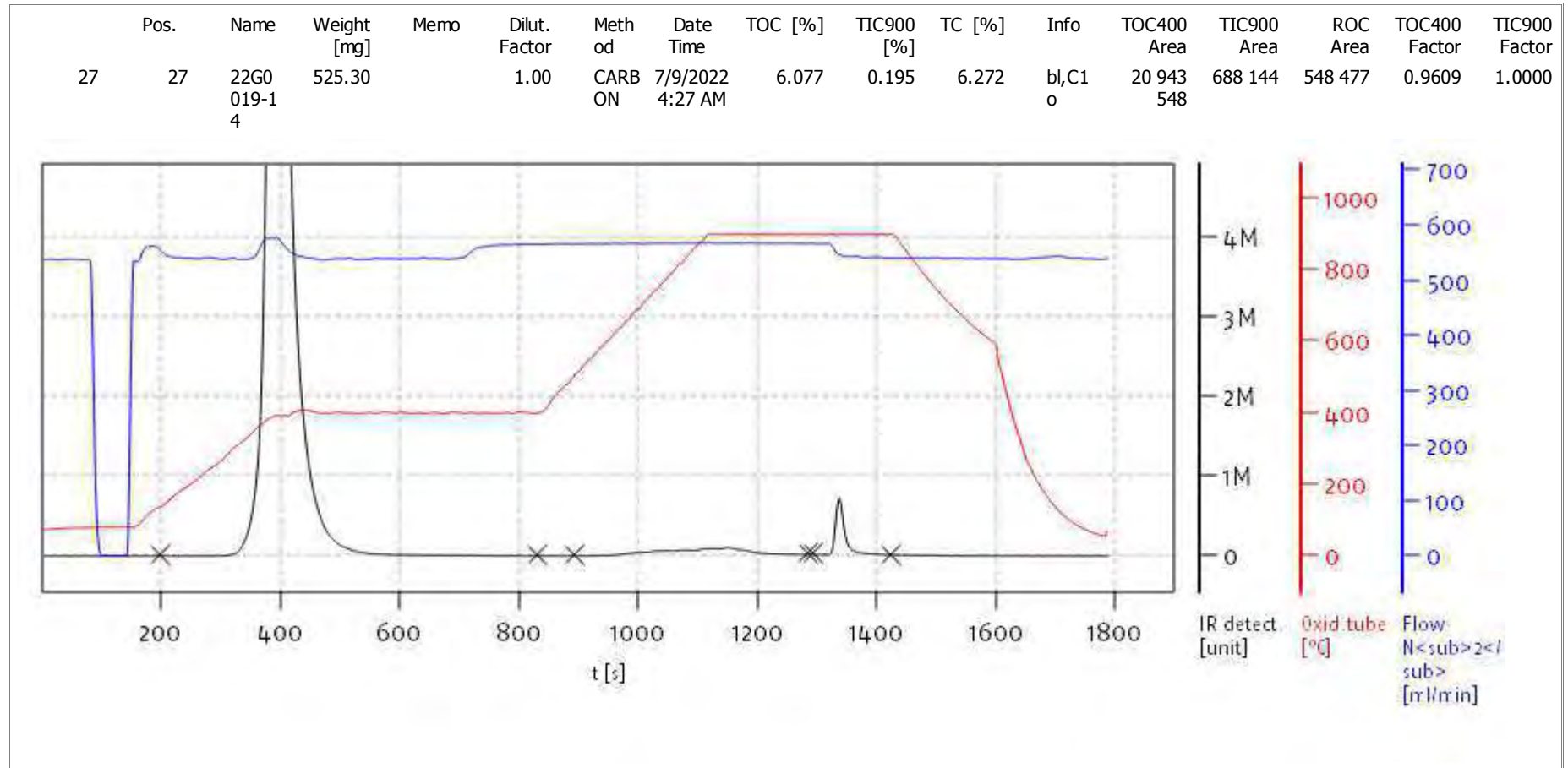
Date: Mon Jul 11 07:43:34 2022



solITOC V2.0.2 (31015f9) 2018-11-19
Serial No: 0300.181017
Mode CCC



Soli TOC Cube, Carbon
Balance: BAL3
Analyst: DOE



Name:

Access: solITOC superuser

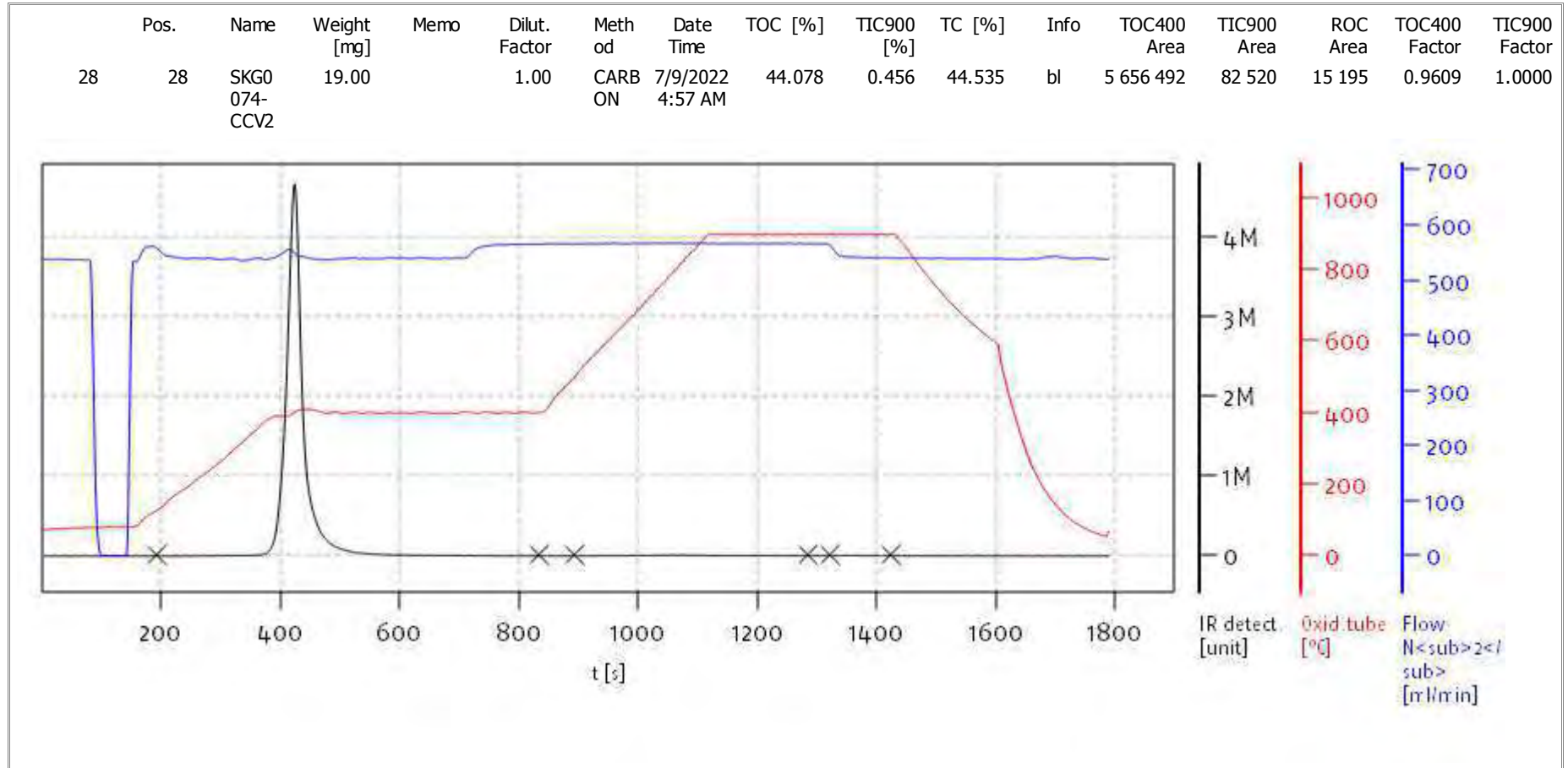
Date: Mon Jul 11 07:43:34 2022



solITOC V2.0.2 (31015f9) 2018-11-19
Serial No: 0300.181017
Mode CCC



Soli TOC Cube, Carbon
Balance: BAL3
Analyst: DOE



Name:

Access: solITOC superuser

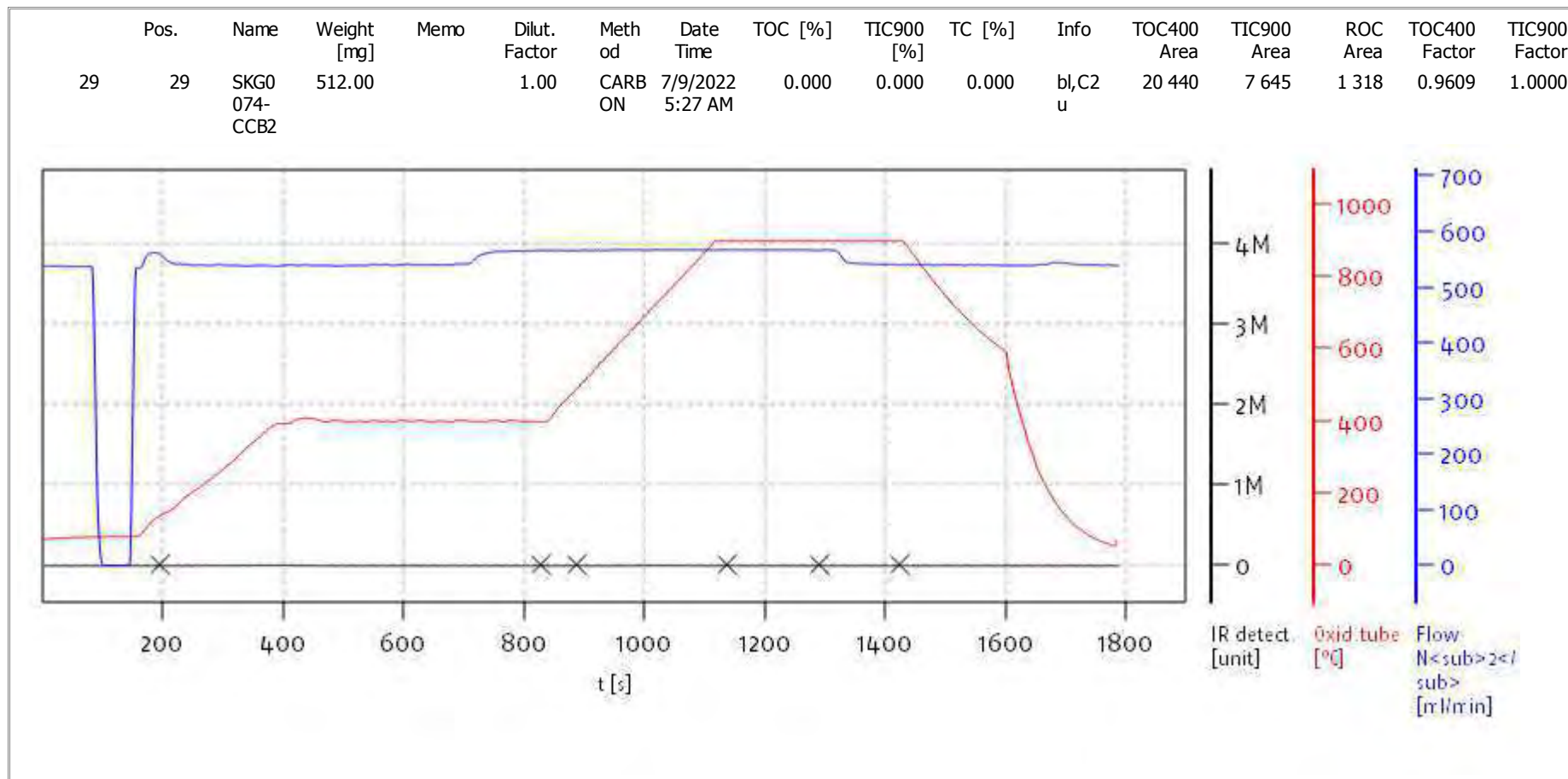
Date: Mon Jul 11 07:43:34 2022



solITOC V2.0.2 (31015f9) 2018-11-19
Serial No: 0300.181017
Mode CCC



Soli TOC Cube, Carbon
Balance: BAL3
Analyst: DOE



Name:

Access: solITOC superuser

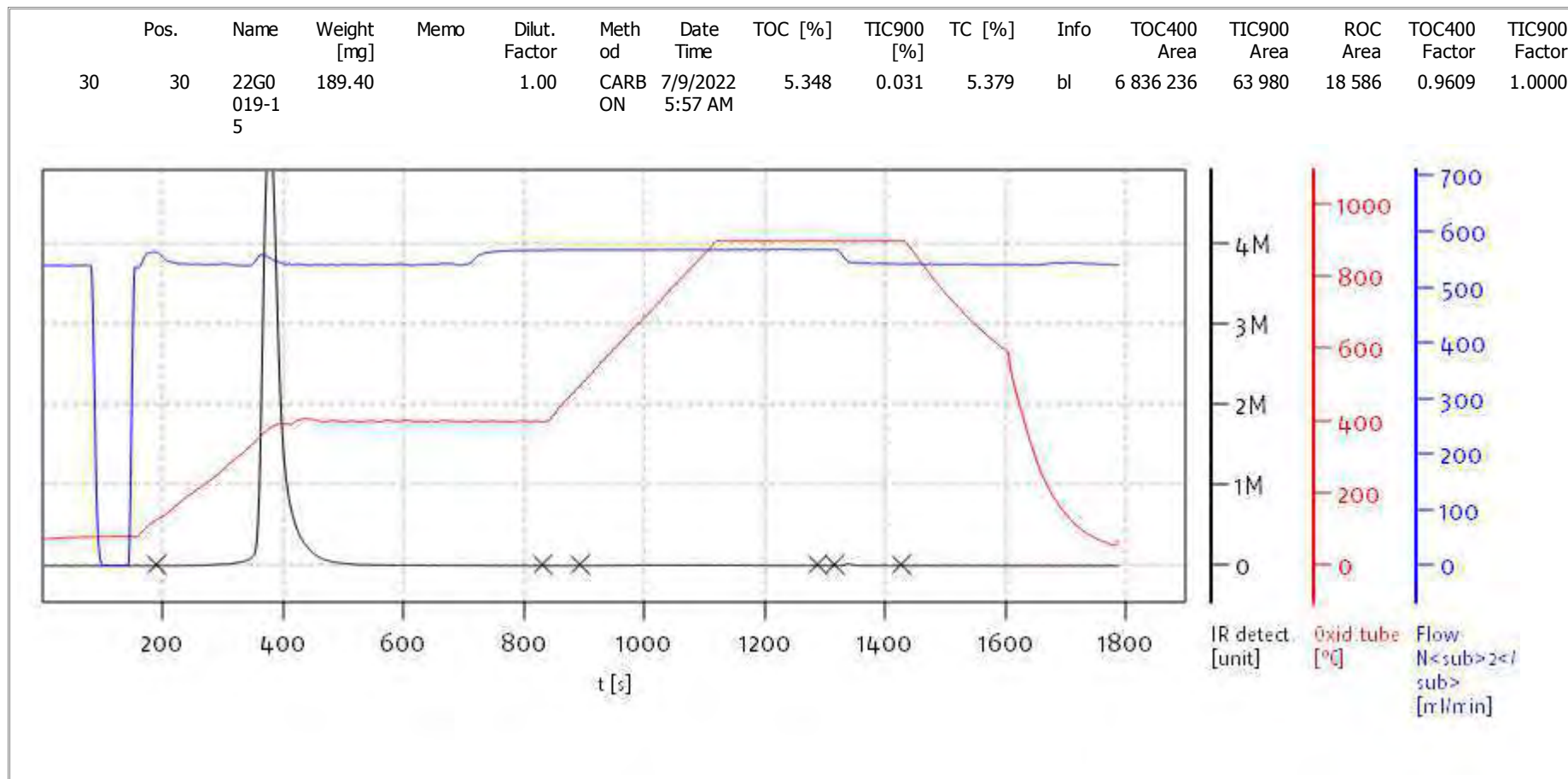
Date: Mon Jul 11 07:43:34 2022



solITOC V2.0.2 (31015f9) 2018-11-19
Serial No: 0300.181017
Mode CCC



Soli TOC Cube, Carbon
Balance: BAL3
Analyst: DOE



Name:

Access: solITOC superuser

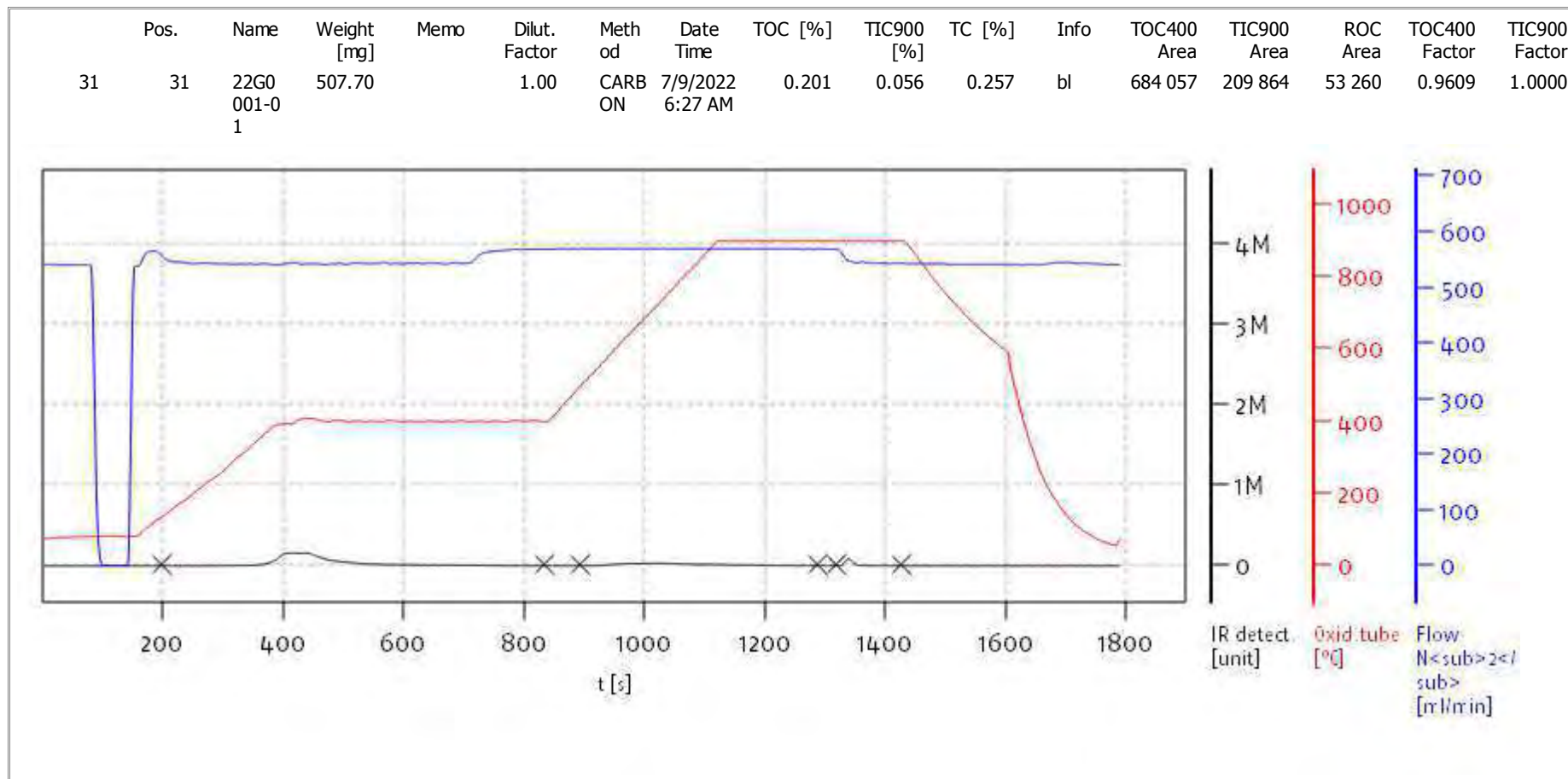
Date: Mon Jul 11 07:43:34 2022



solITOC V2.0.2 (31015f9) 2018-11-19
Serial No: 0300.181017
Mode CCC



Soli TOC Cube, Carbon
Balance: BAL3
Analyst: DOE



Name:

Access: solITOC superuser

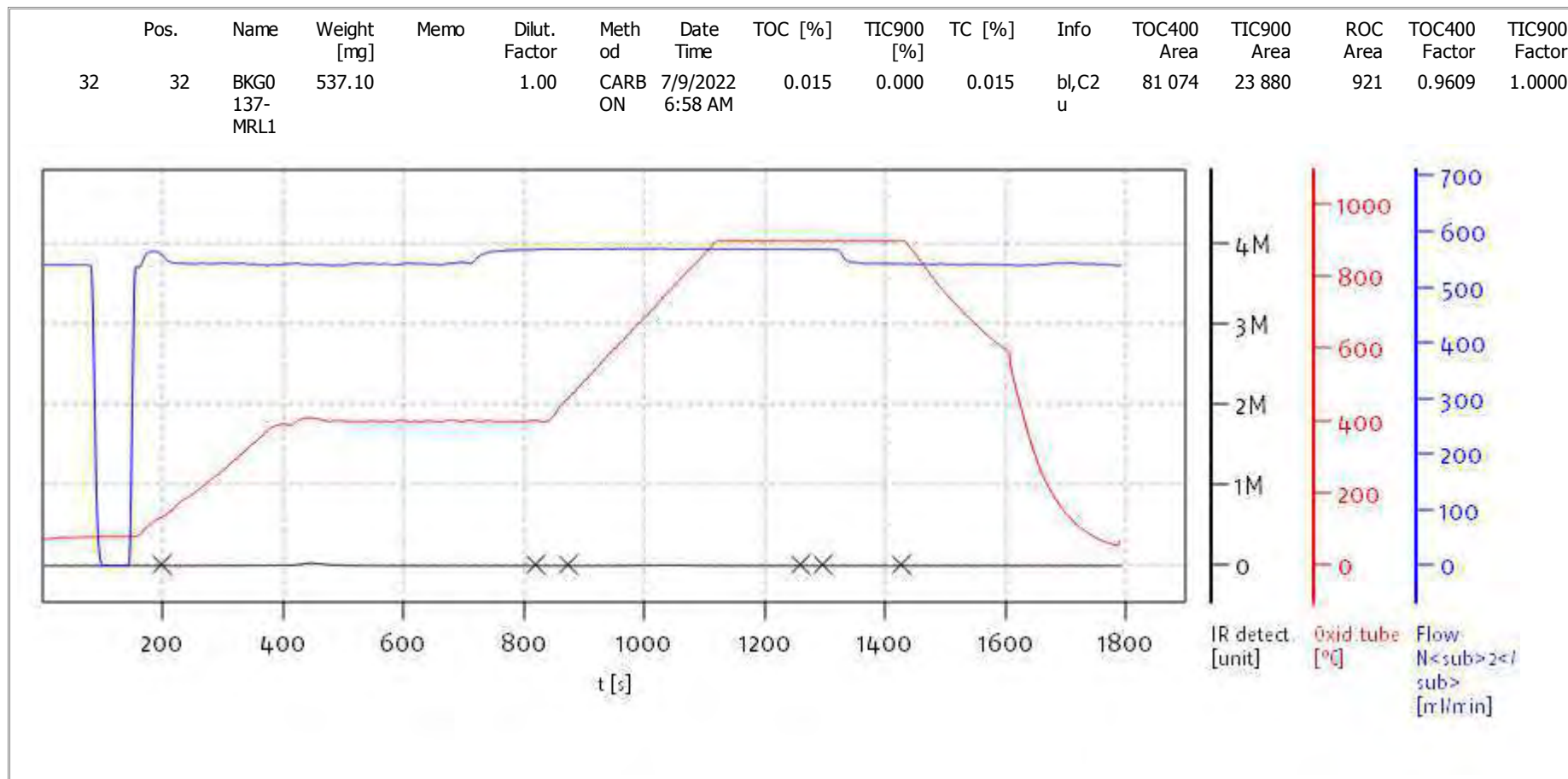
Date: Mon Jul 11 07:43:34 2022



solITOC V2.0.2 (31015f9) 2018-11-19
Serial No: 0300.181017
Mode CCC



Soli TOC Cube, Carbon
Balance: BAL3
Analyst: DOE



Name:

Access: solITOC superuser

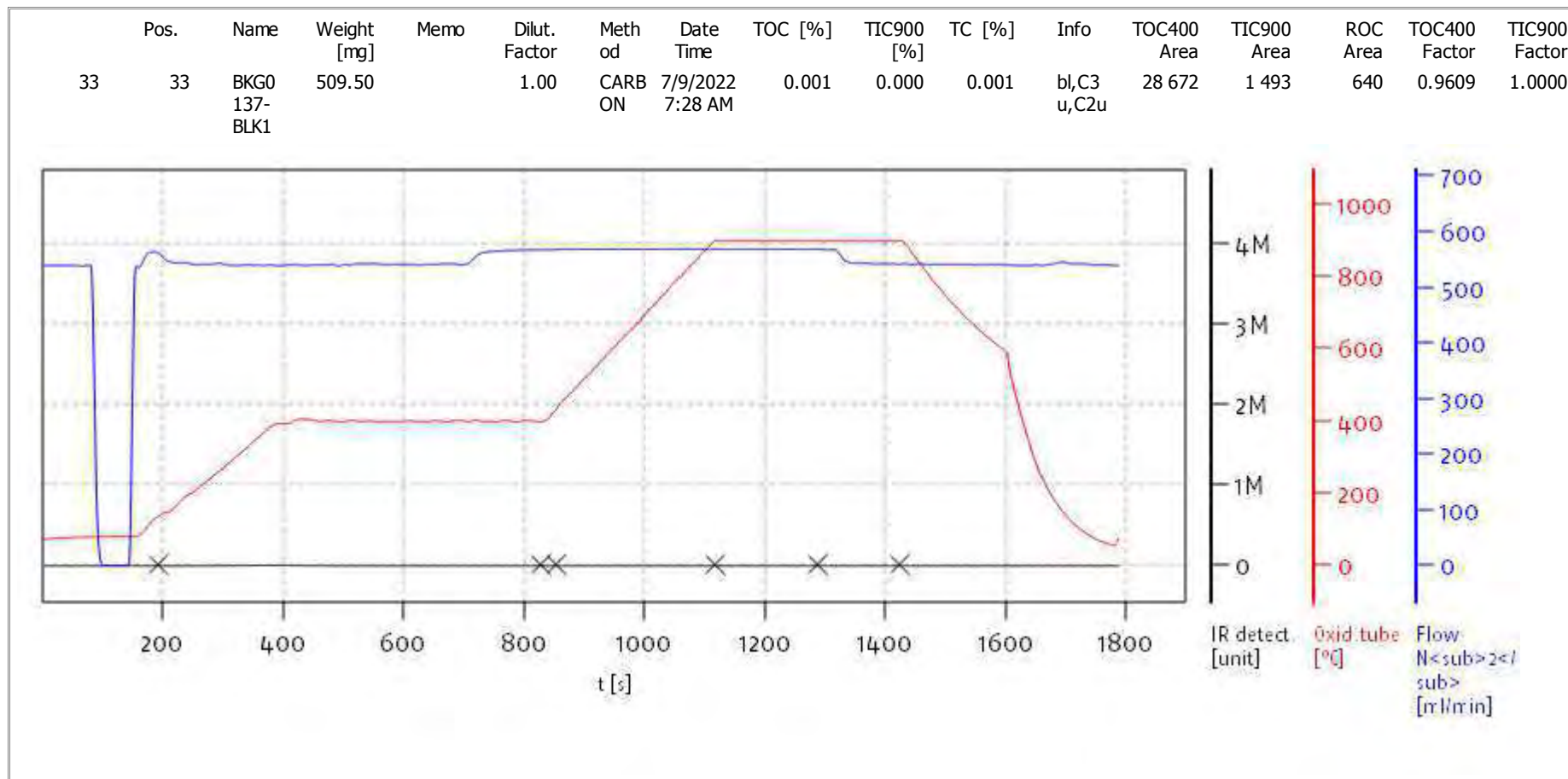
Date: Mon Jul 11 07:43:34 2022



solITOC V2.0.2 (31015f9) 2018-11-19
Serial No: 0300.181017
Mode CCC



Soli TOC Cube, Carbon
Balance: BAL3
Analyst: DOE



Name:

Access: solITOC superuser

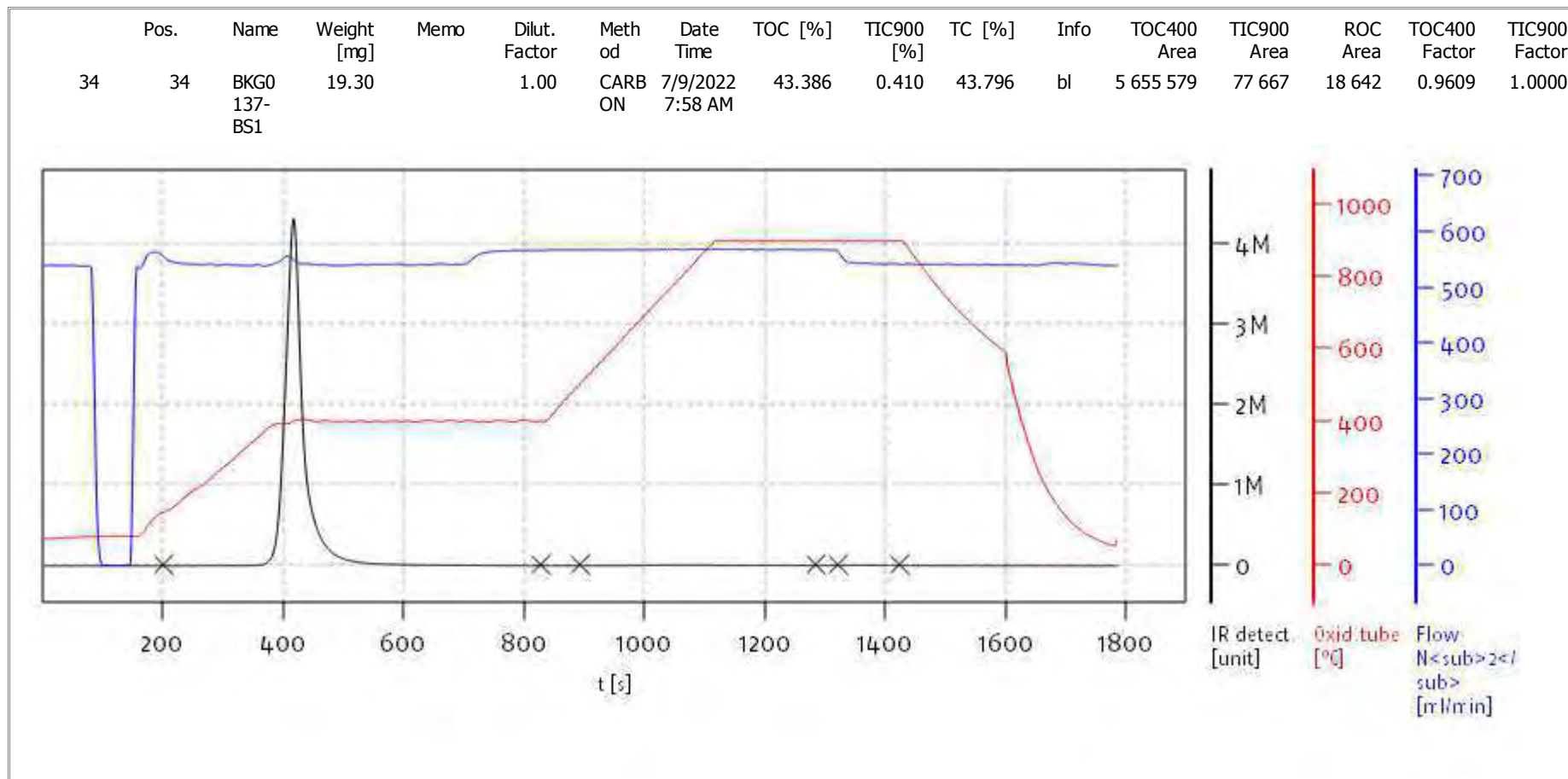
Date: Mon Jul 11 07:43:34 2022



solITOC V2.0.2 (31015f9) 2018-11-19
Serial No: 0300.181017
Mode CCC



Soli TOC Cube, Carbon
Balance: BAL3
Analyst: DOE



Name:

Access: solITOC superuser

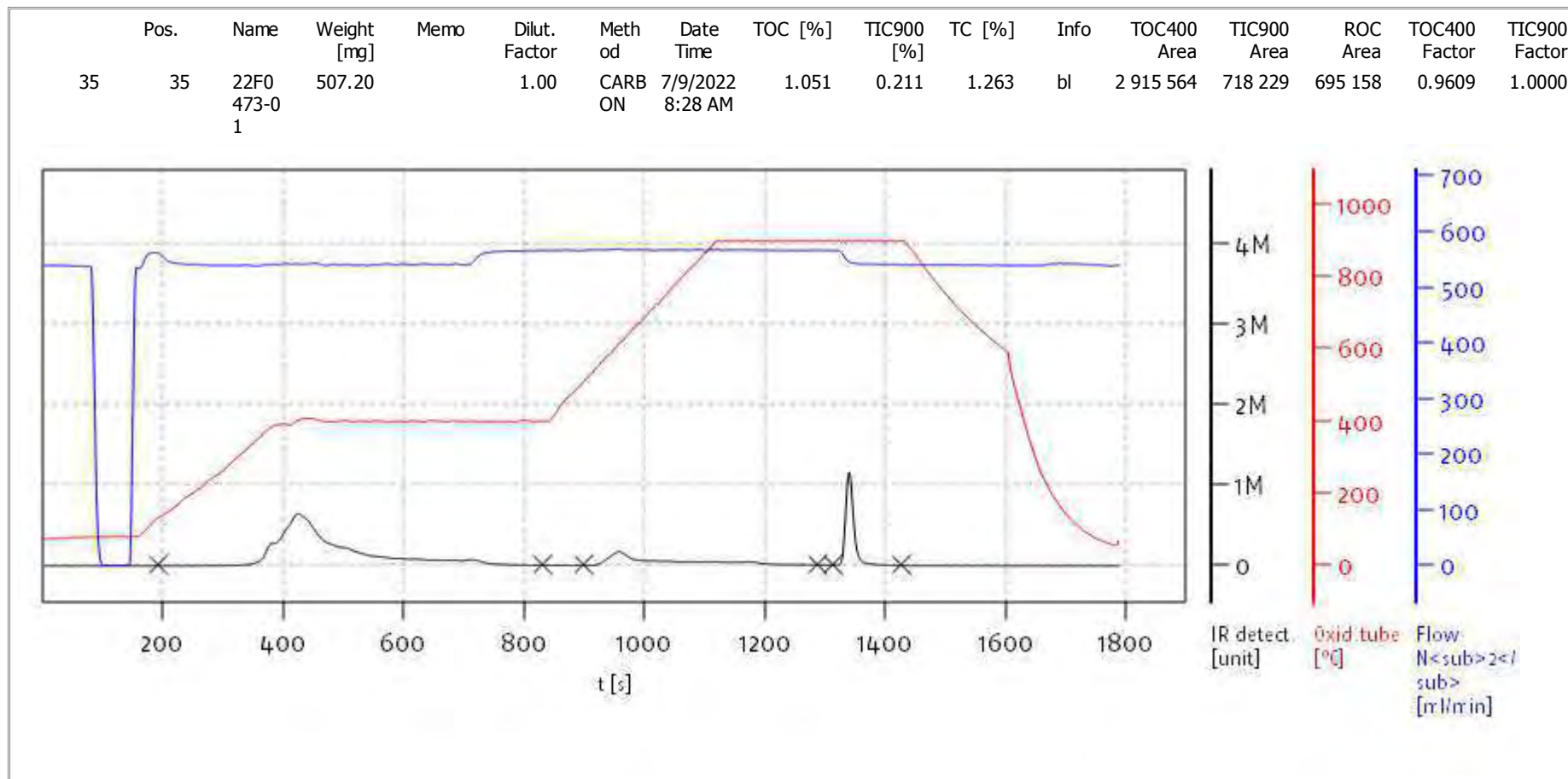
Date: Mon Jul 11 07:43:34 2022



solITOC V2.0.2 (31015f9) 2018-11-19
Serial No: 0300.181017
Mode CCC



Soli TOC Cube, Carbon
Balance: BAL3
Analyst: DOE



Name:

Access: solITOC superuser

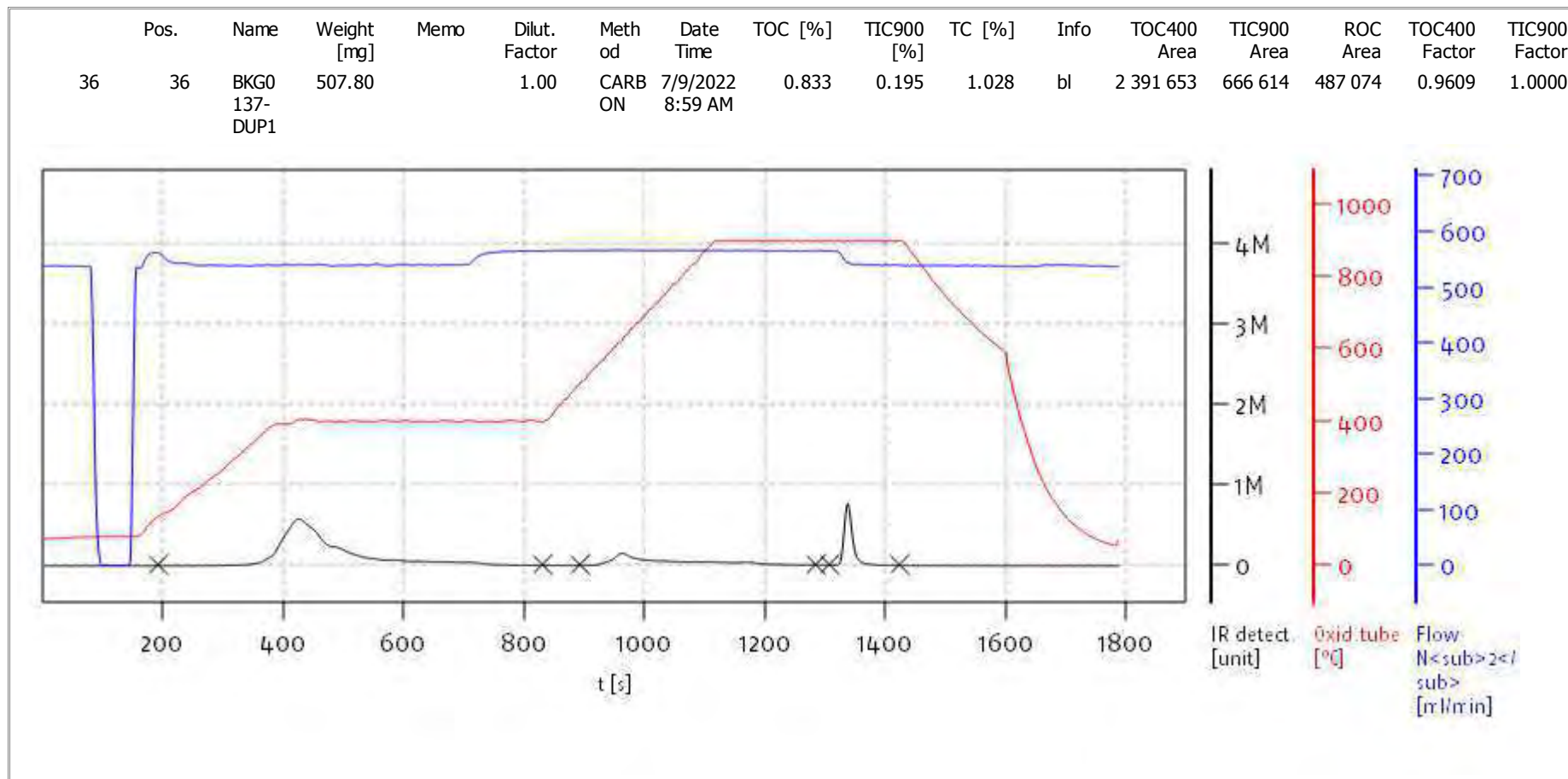
Date: Mon Jul 11 07:43:34 2022



solITOC V2.0.2 (31015f9) 2018-11-19
Serial No: 0300.181017
Mode CCC



Soli TOC Cube, Carbon
Balance: BAL3
Analyst: DOE



Name:

Access: solITOC superuser

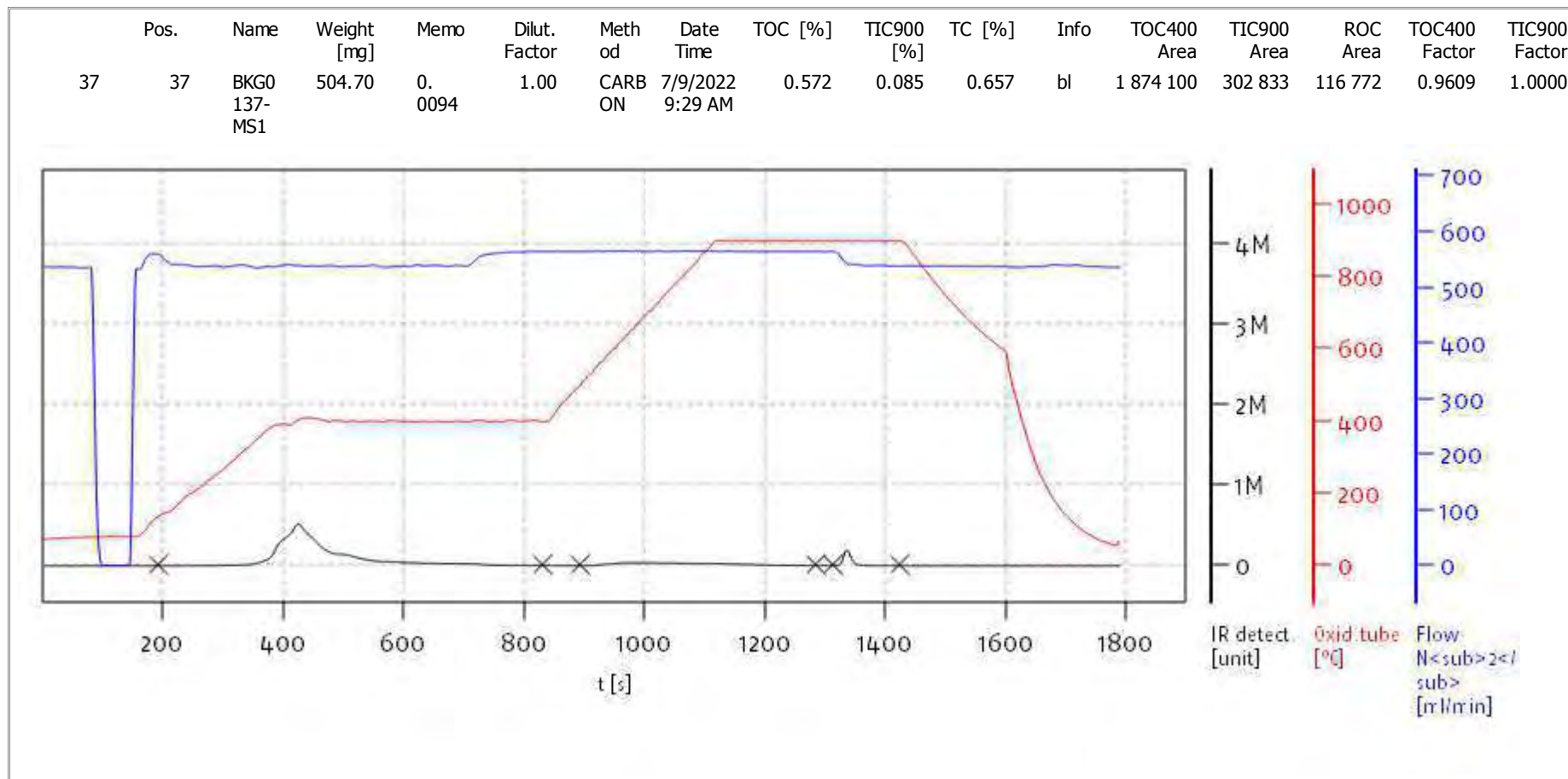
Date: Mon Jul 11 07:43:34 2022



solITOC V2.0.2 (31015f9) 2018-11-19
Serial No: 0300.181017
Mode CCC



Soli TOC Cube, Carbon
Balance: BAL3
Analyst: DOE



Name:

Access: solITOC superuser

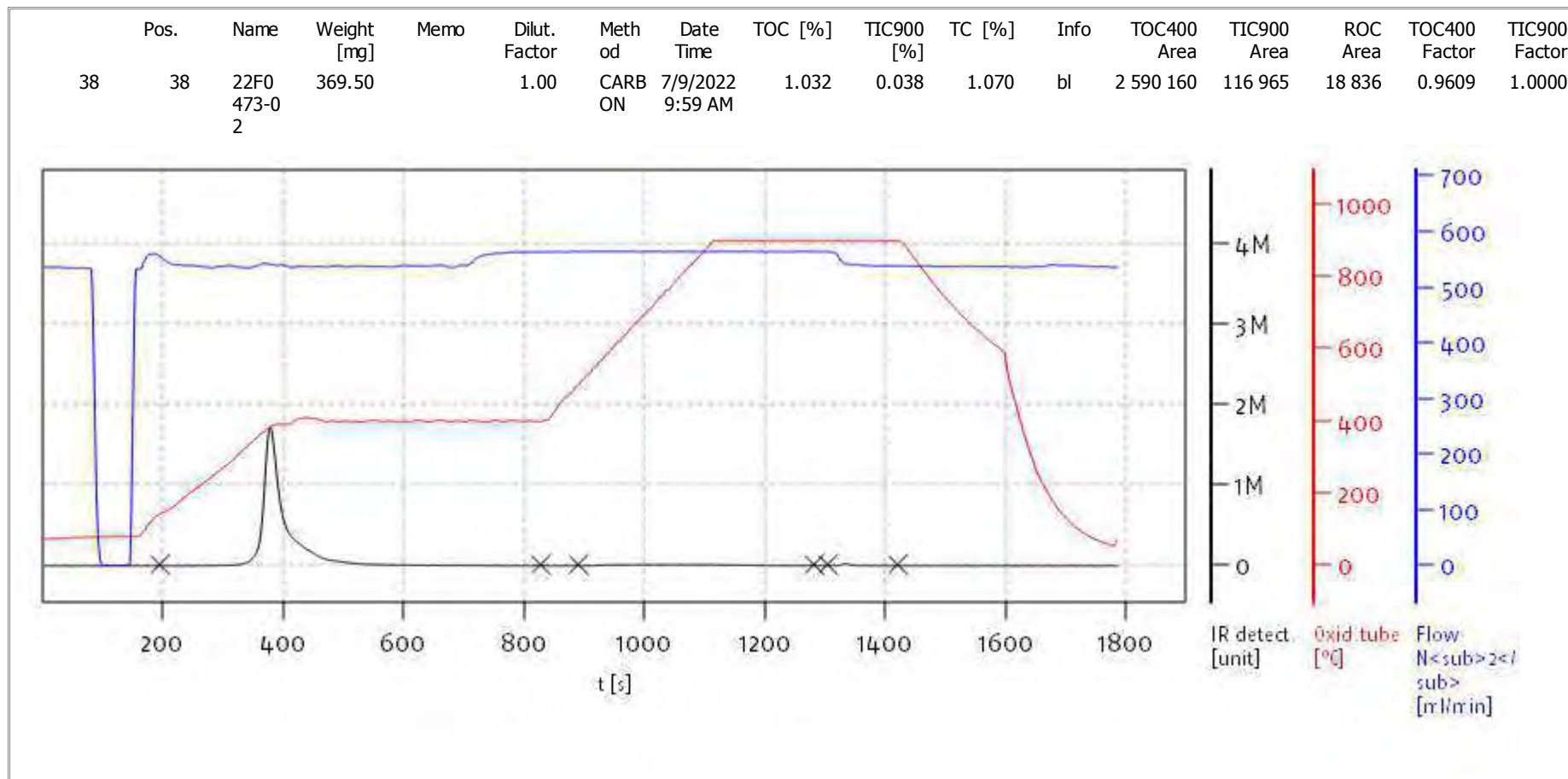
Date: Mon Jul 11 07:43:34 2022



solITOC V2.0.2 (31015f9) 2018-11-19
Serial No: 0300.181017
Mode CCC



Soli TOC Cube, Carbon
Balance: BAL3
Analyst: DOE



Name:

Access: solITOC superuser

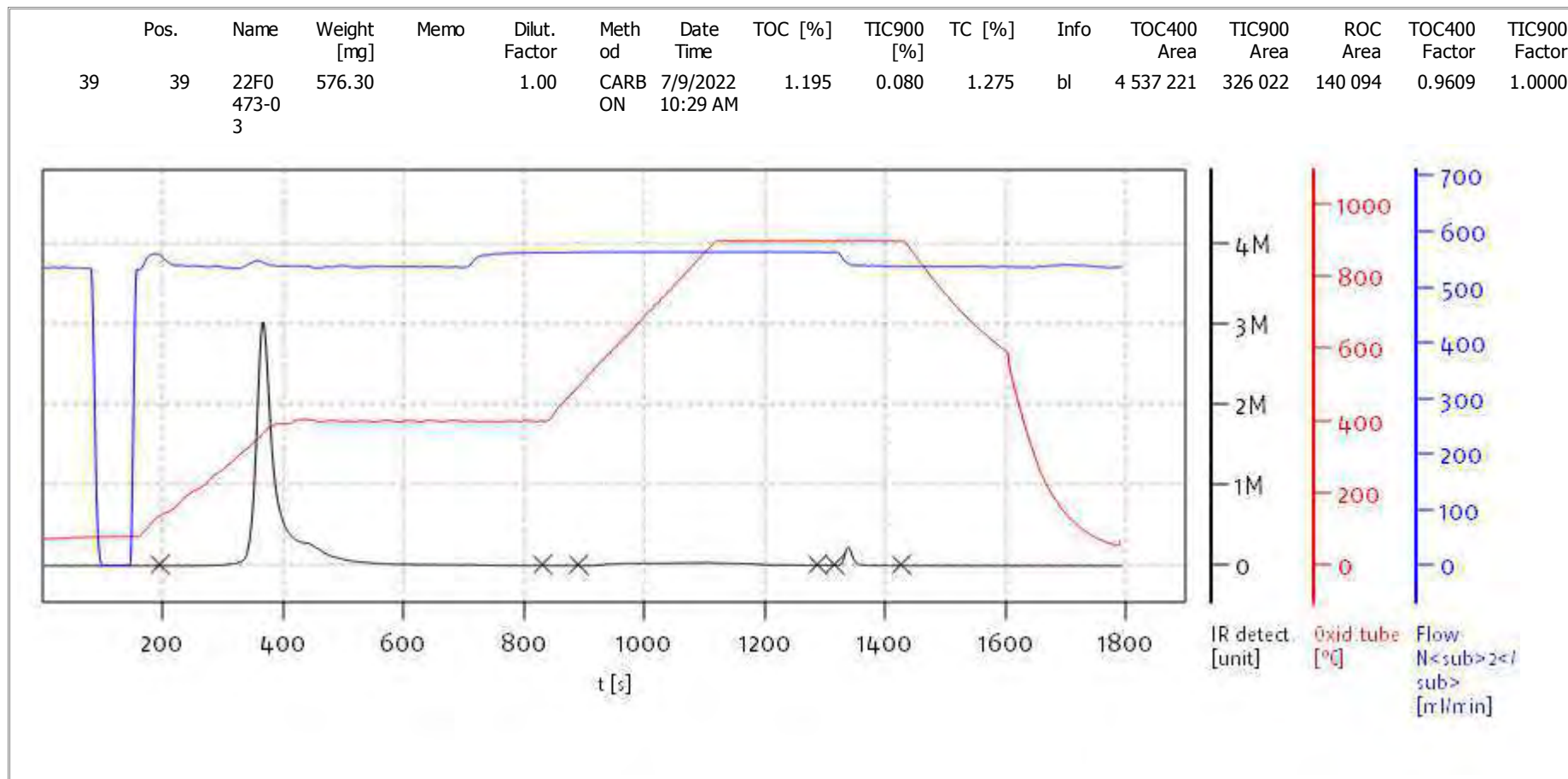
Date: Mon Jul 11 07:43:34 2022



solITOC V2.0.2 (31015f9) 2018-11-19
Serial No: 0300.181017
Mode CCC



Soli TOC Cube, Carbon
Balance: BAL3
Analyst: DOE



Name:

Access: solITOC superuser

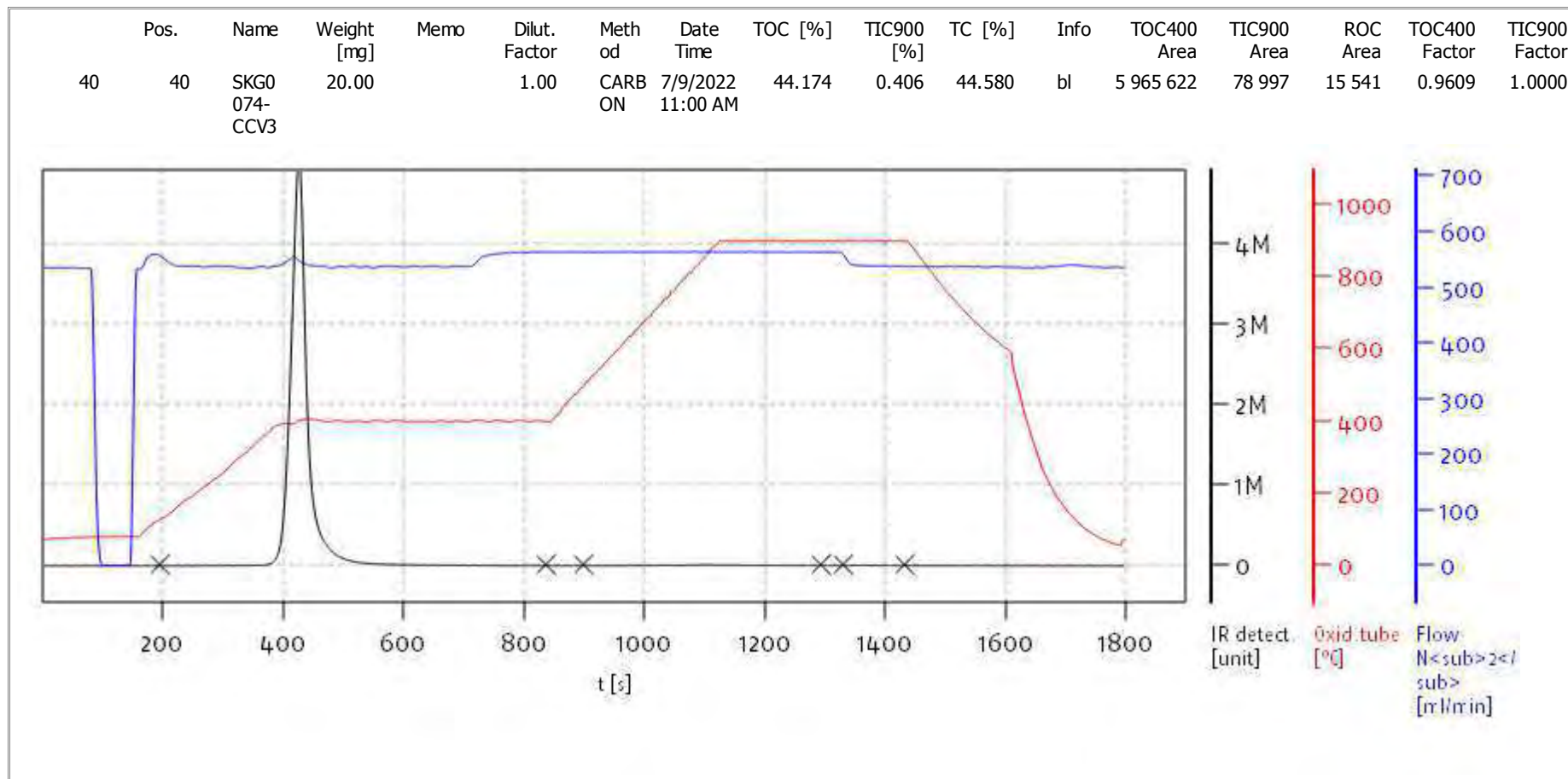
Date: Mon Jul 11 07:43:34 2022



solITOC V2.0.2 (31015f9) 2018-11-19
Serial No: 0300.181017
Mode CCC



Soli TOC Cube, Carbon
Balance: BAL3
Analyst: DOE



Name:

Access: solITOC superuser

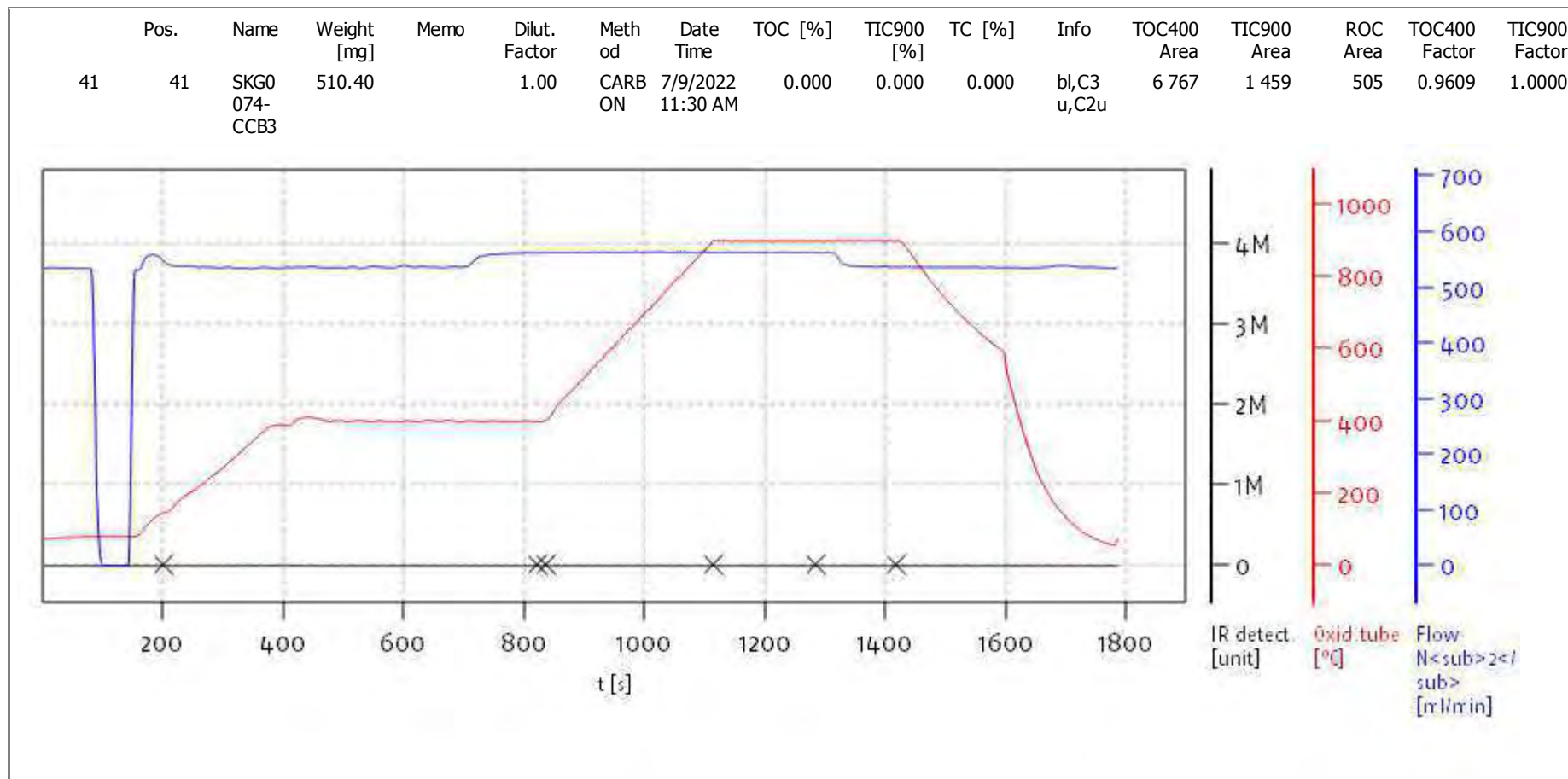
Date: Mon Jul 11 07:43:34 2022



solITOC V2.0.2 (31015f9) 2018-11-19
Serial No: 0300.181017
Mode CCC



Soli TOC Cube, Carbon
Balance: BAL3
Analyst: DOE



Name:

Access: solITOC superuser

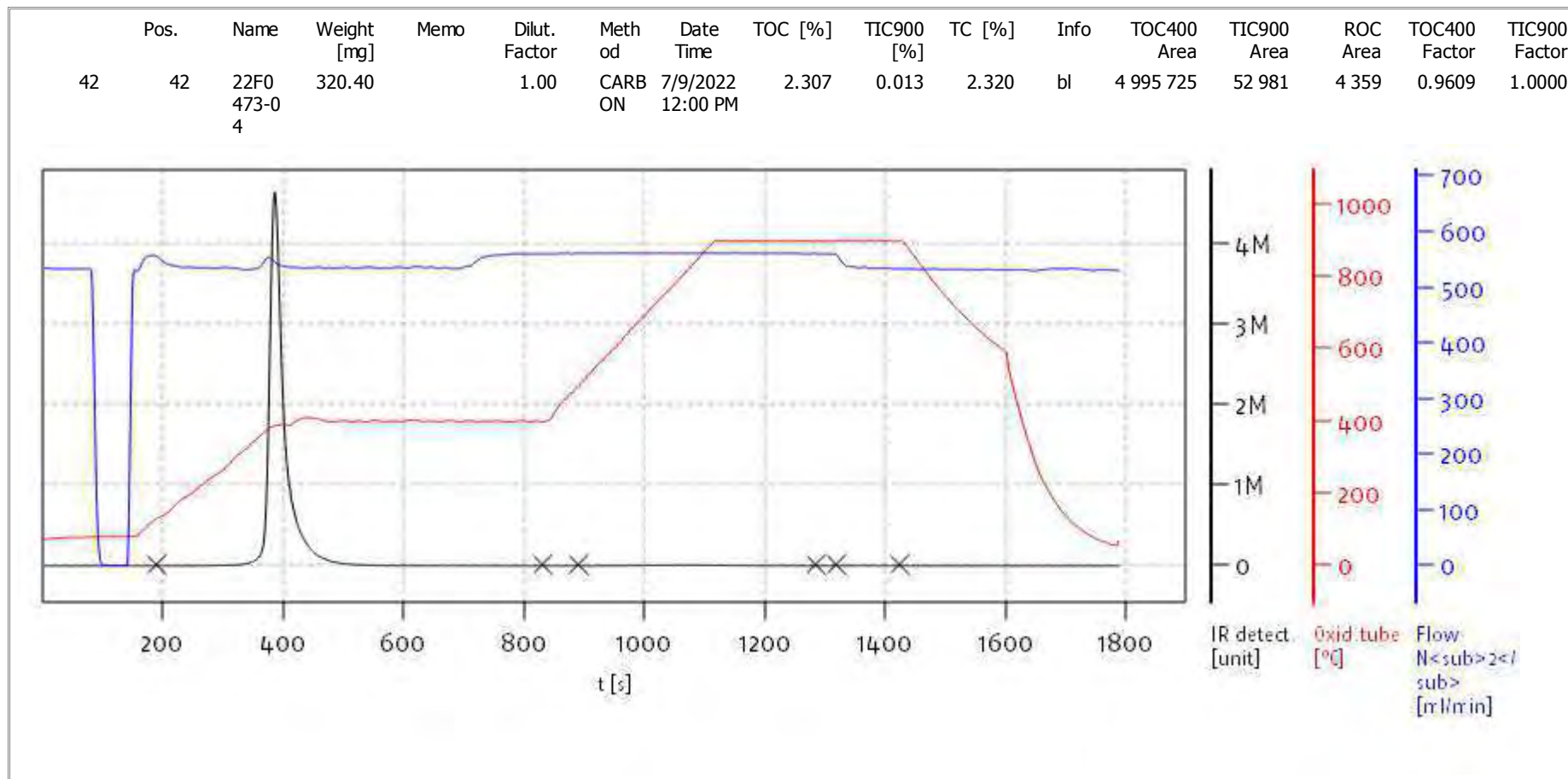
Date: Mon Jul 11 07:43:34 2022



solITOC V2.0.2 (31015f9) 2018-11-19
Serial No: 0300.181017
Mode CCC



Soli TOC Cube, Carbon
Balance: BAL3
Analyst: DOE



Name:

Access: solITOC superuser

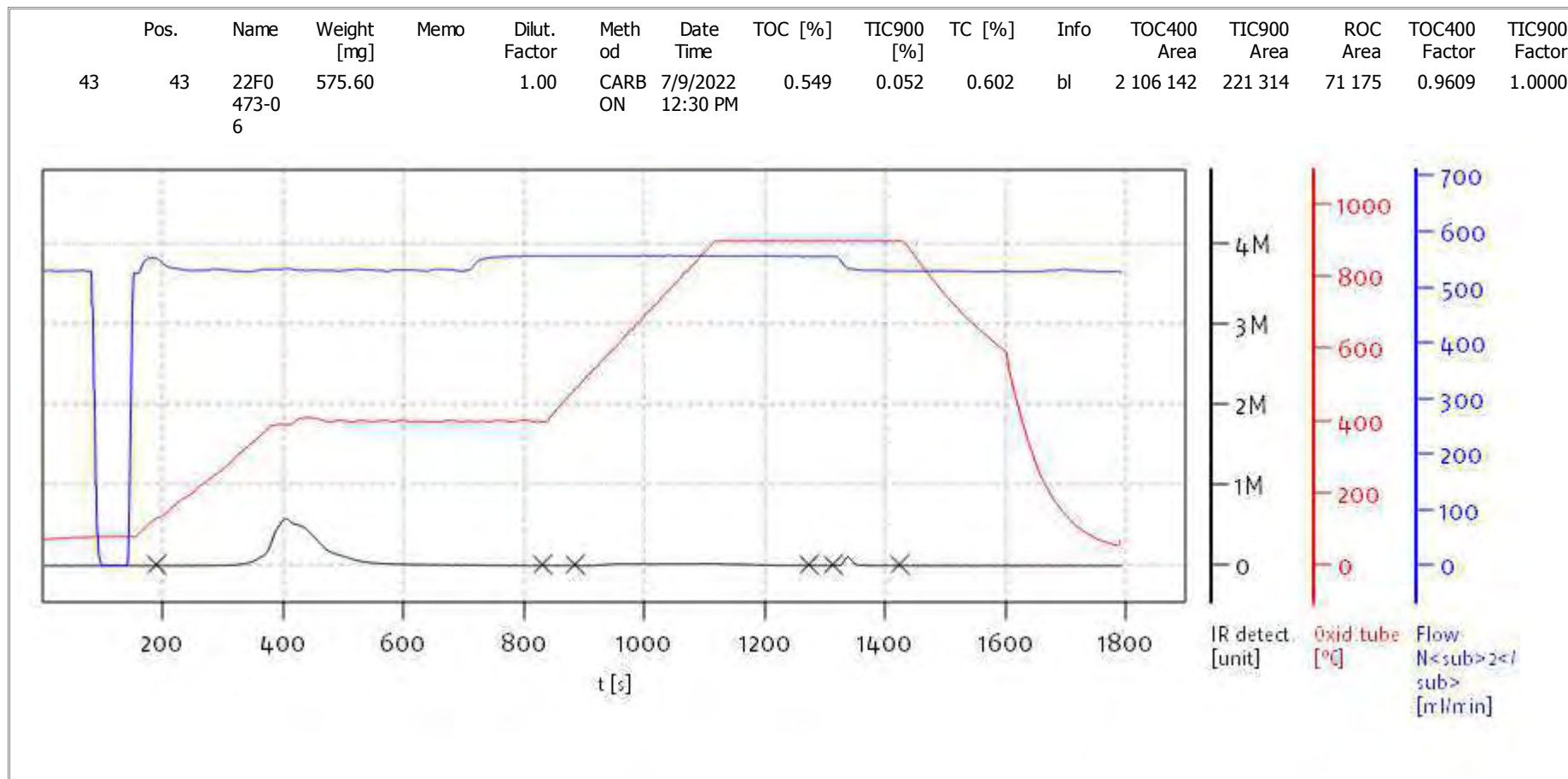
Date: Mon Jul 11 07:43:34 2022



solITOC V2.0.2 (31015f9) 2018-11-19
Serial No: 0300.181017
Mode CCC



Soli TOC Cube, Carbon
Balance: BAL3
Analyst: DOE



Name:

Access: solITOC superuser

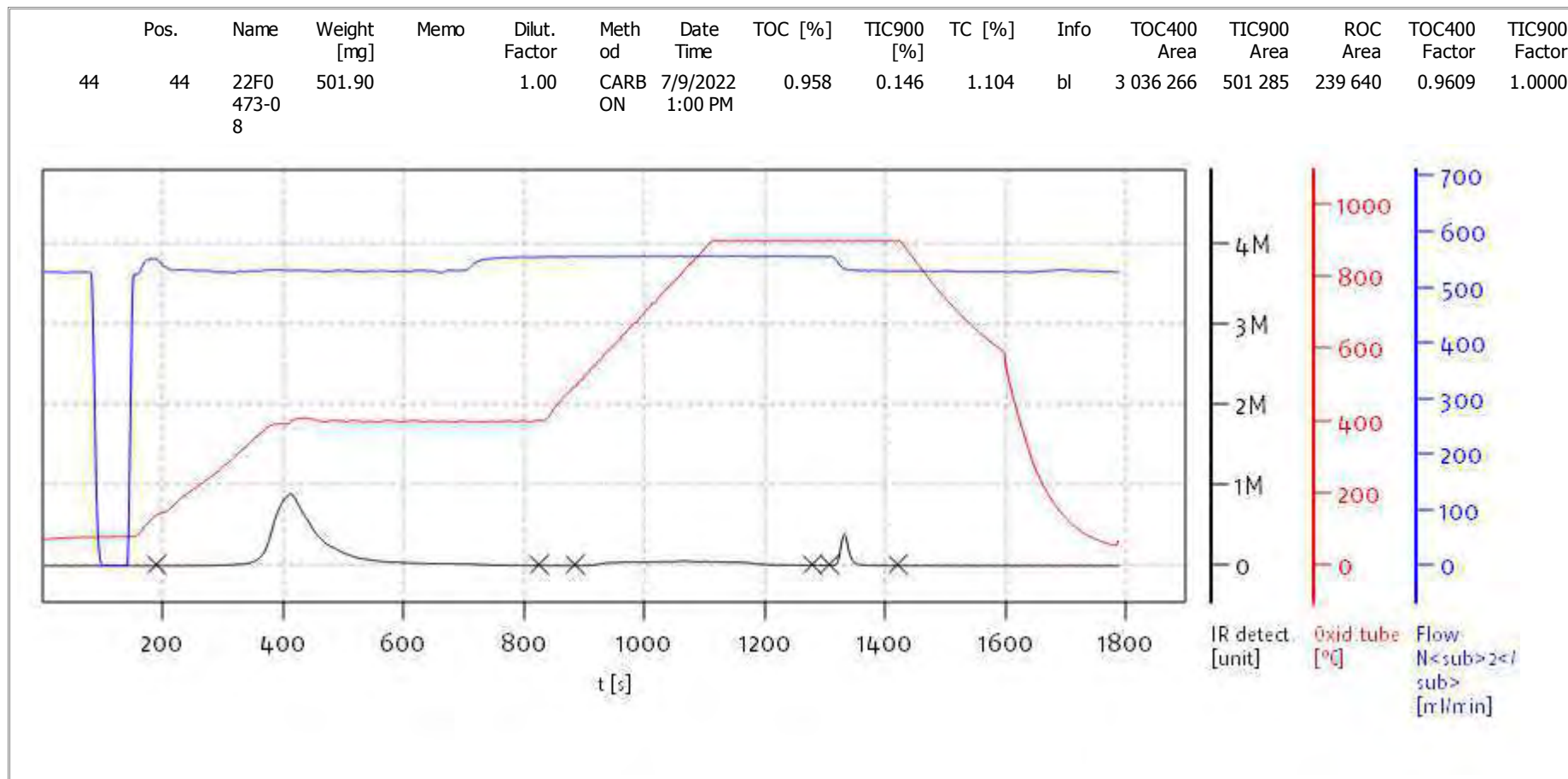
Date: Mon Jul 11 07:43:34 2022



solITOC V2.0.2 (31015f9) 2018-11-19
Serial No: 0300.181017
Mode CCC



Soli TOC Cube, Carbon
Balance: BAL3
Analyst: DOE



Name:

Access: solITOC superuser

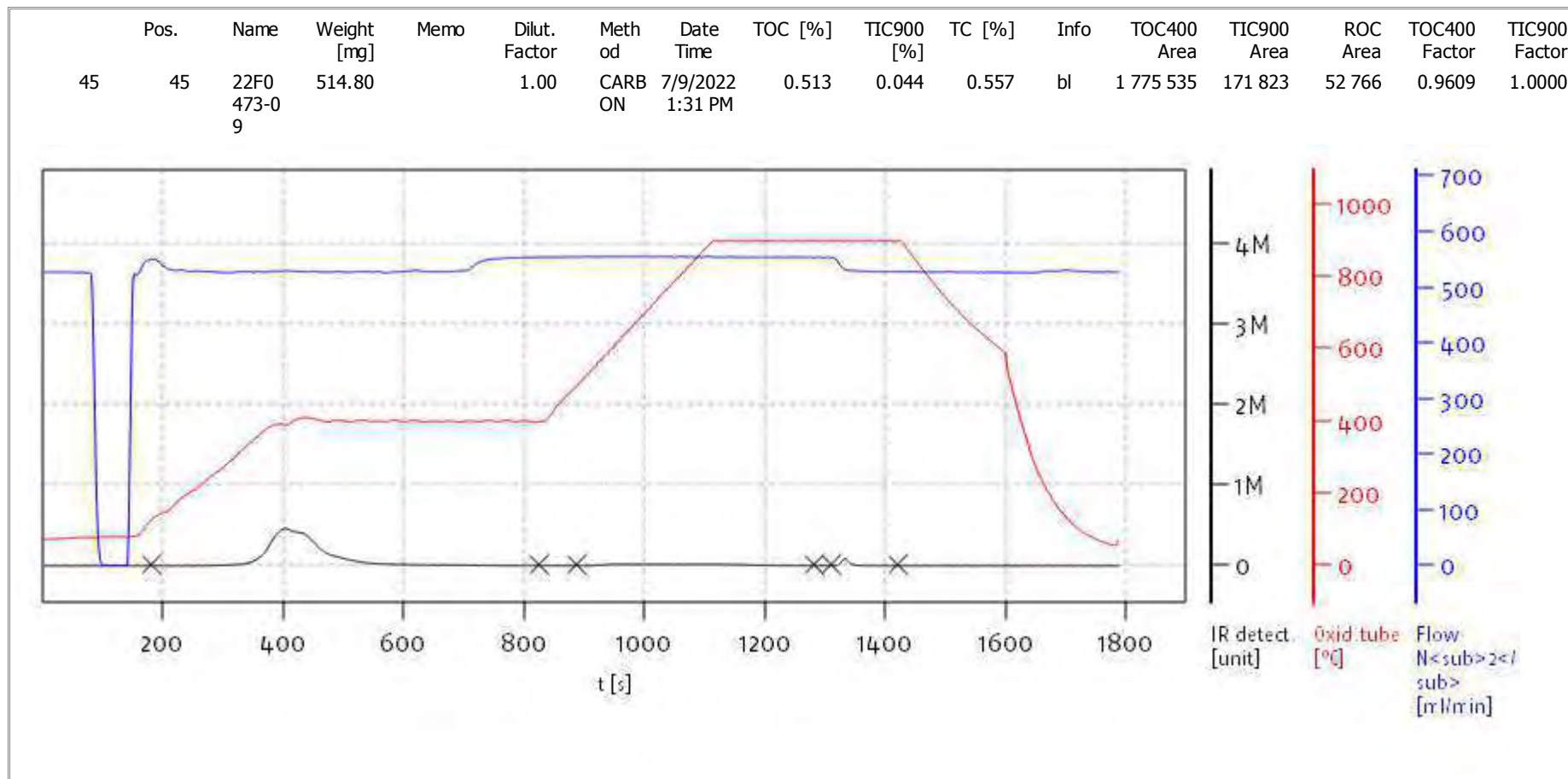
Date: Mon Jul 11 07:43:34 2022



solITOC V2.0.2 (31015f9) 2018-11-19
Serial No: 0300.181017
Mode CCC



Soli TOC Cube, Carbon
Balance: BAL3
Analyst: DOE



Name:

Access: solITOC superuser

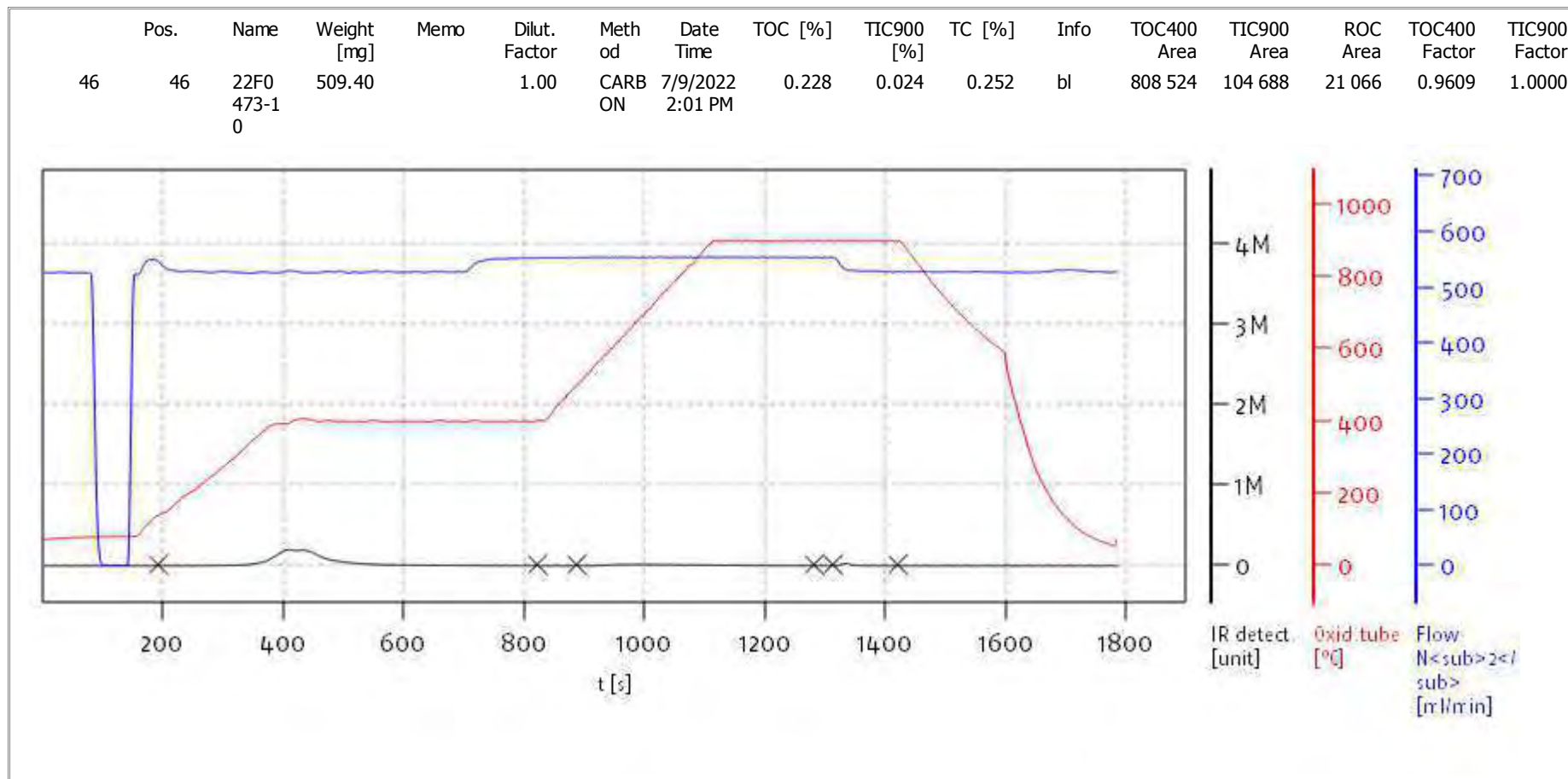
Date: Mon Jul 11 07:43:34 2022



solITOC V2.0.2 (31015f9) 2018-11-19
Serial No: 0300.181017
Mode CCC



Soli TOC Cube, Carbon
Balance: BAL3
Analyst: DOE



Name:

Access: solITOC superuser

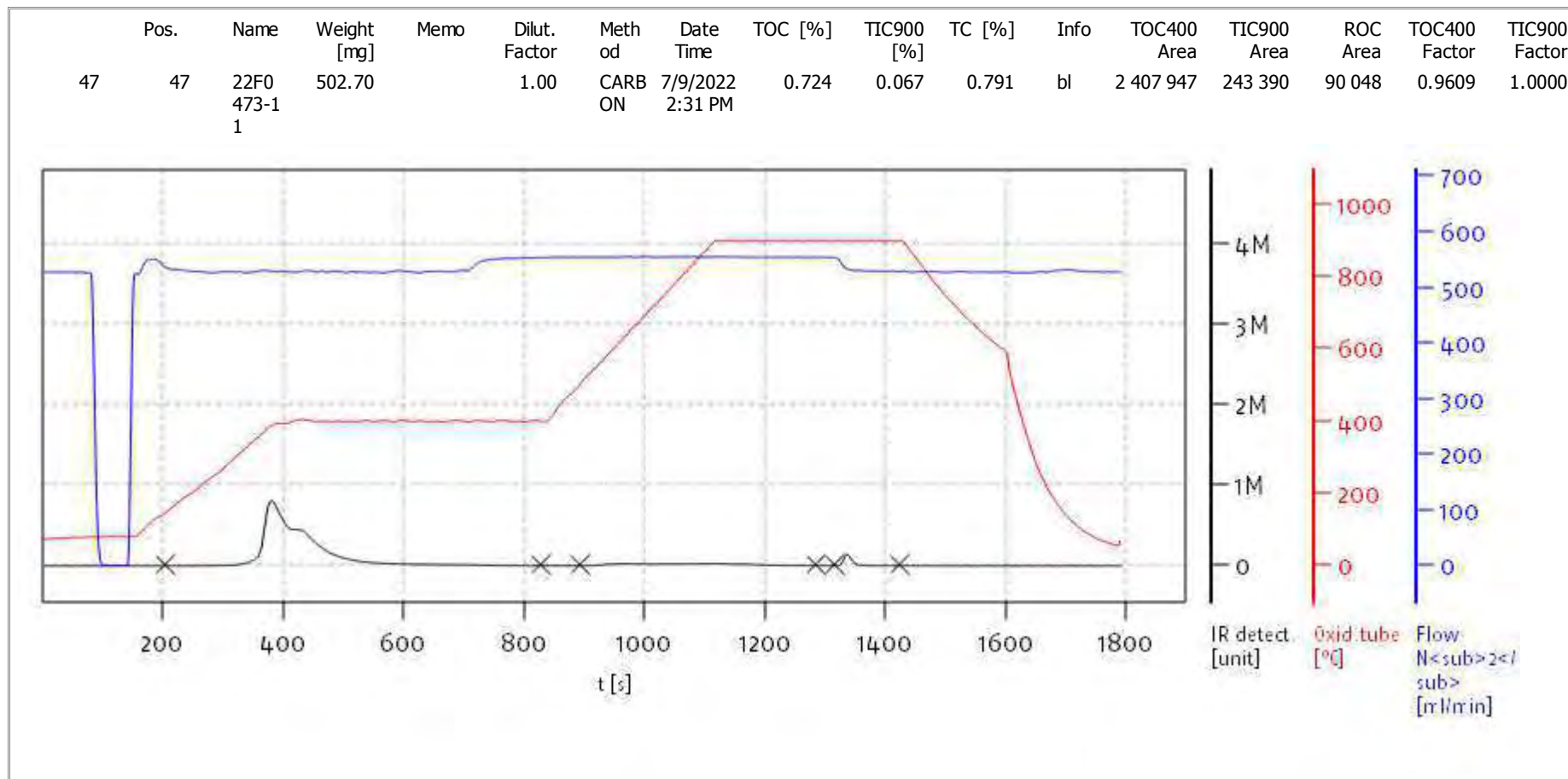
Date: Mon Jul 11 07:43:34 2022



solITOC V2.0.2 (31015f9) 2018-11-19
Serial No: 0300.181017
Mode CCC



Soli TOC Cube, Carbon
Balance: BAL3
Analyst: DOE



Name:

Access: solITOC superuser

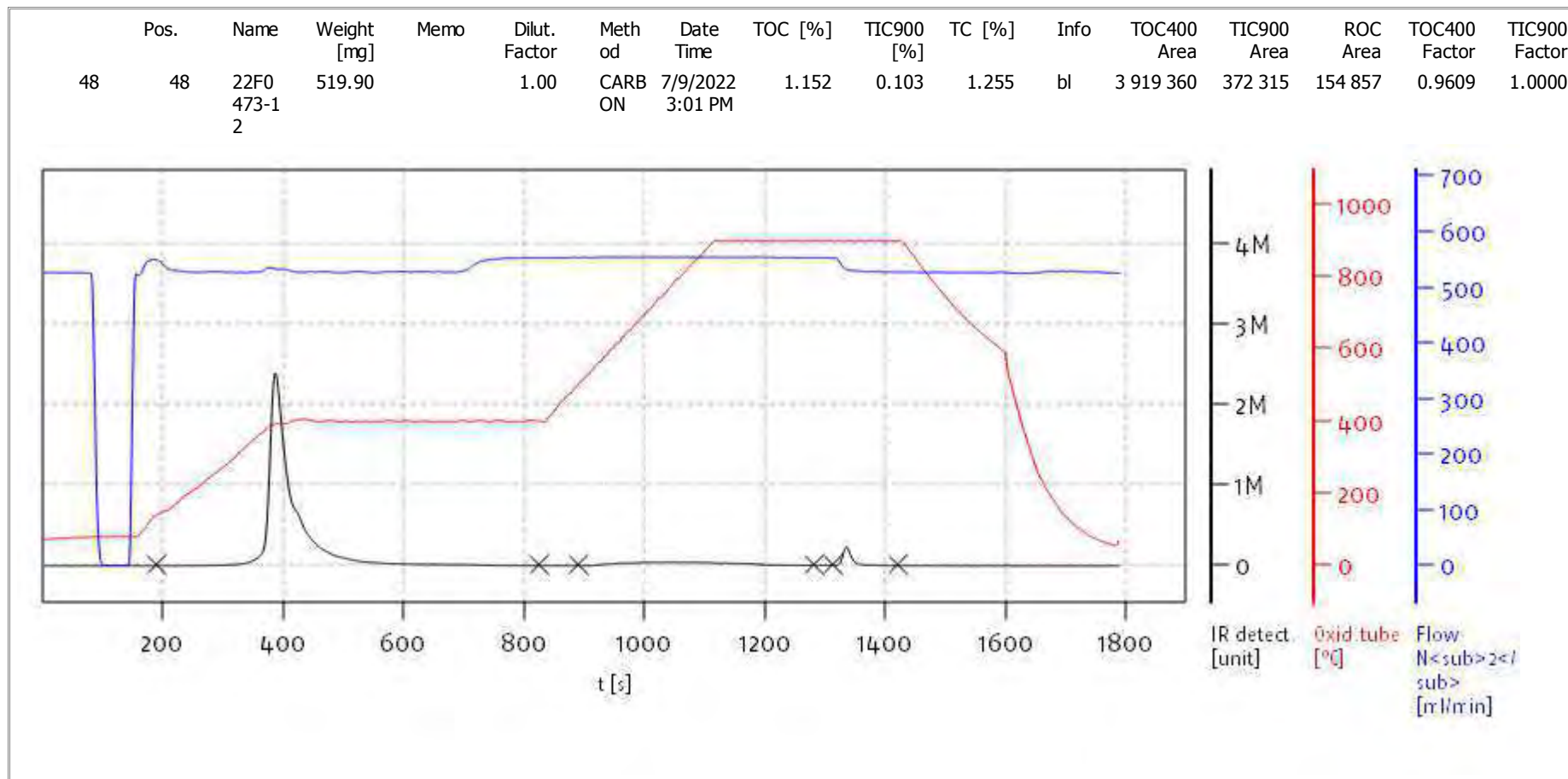
Date: Mon Jul 11 07:43:34 2022



solITOC V2.0.2 (31015f9) 2018-11-19
Serial No: 0300.181017
Mode CCC



Soli TOC Cube, Carbon
Balance: BAL3
Analyst: DOE



Name:

Access: solITOC superuser

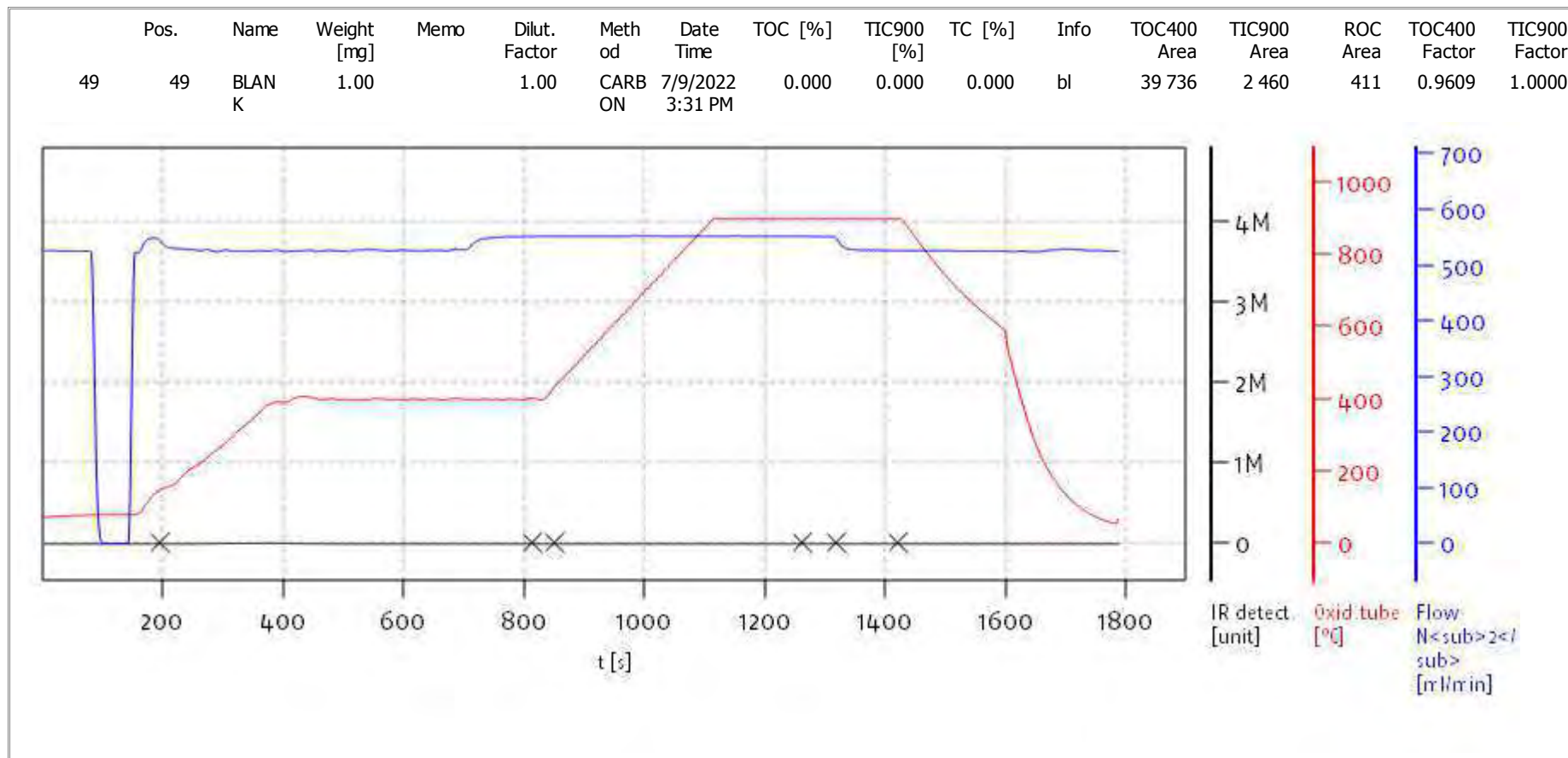
Date: Mon Jul 11 07:43:34 2022



solITOC V2.0.2 (31015f9) 2018-11-19
Serial No: 0300.181017
Mode CCC



Soli TOC Cube, Carbon
Balance: BAL3
Analyst: DOE



Name:

Access: solITOC superuser

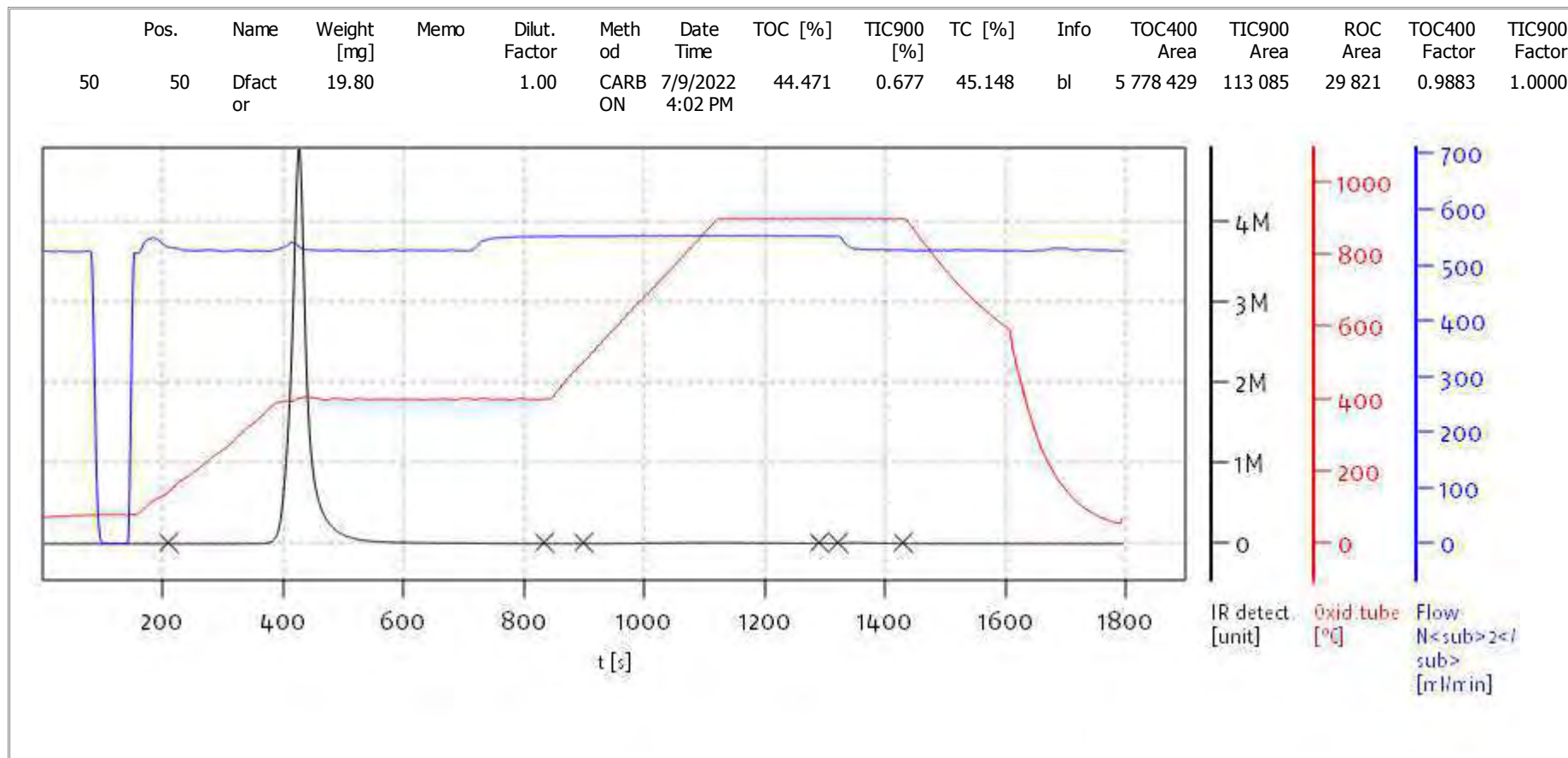
Date: Mon Jul 11 07:43:34 2022



solITOC V2.0.2 (31015f9) 2018-11-19
Serial No: 0300.181017
Mode CCC



Soli TOC Cube, Carbon
Balance: BAL3
Analyst: DOE



Name:

Access: solITOC superuser

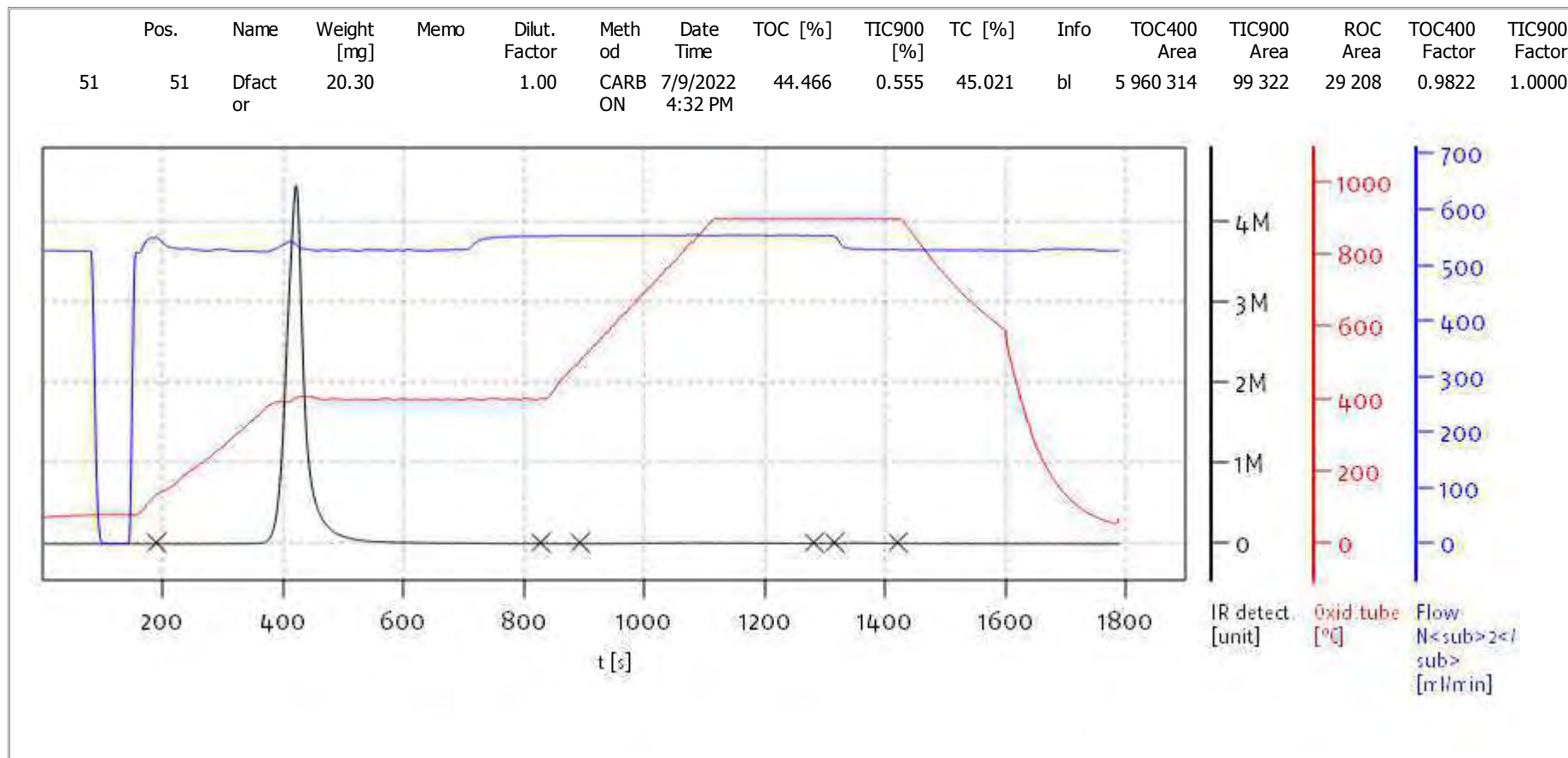
Date: Mon Jul 11 07:43:34 2022



solITOC V2.0.2 (31015f9) 2018-11-19
Serial No: 0300.181017
Mode CCC



Soli TOC Cube, Carbon
Balance: BAL3
Analyst: DOE



Name:

Access: solITOC superuser

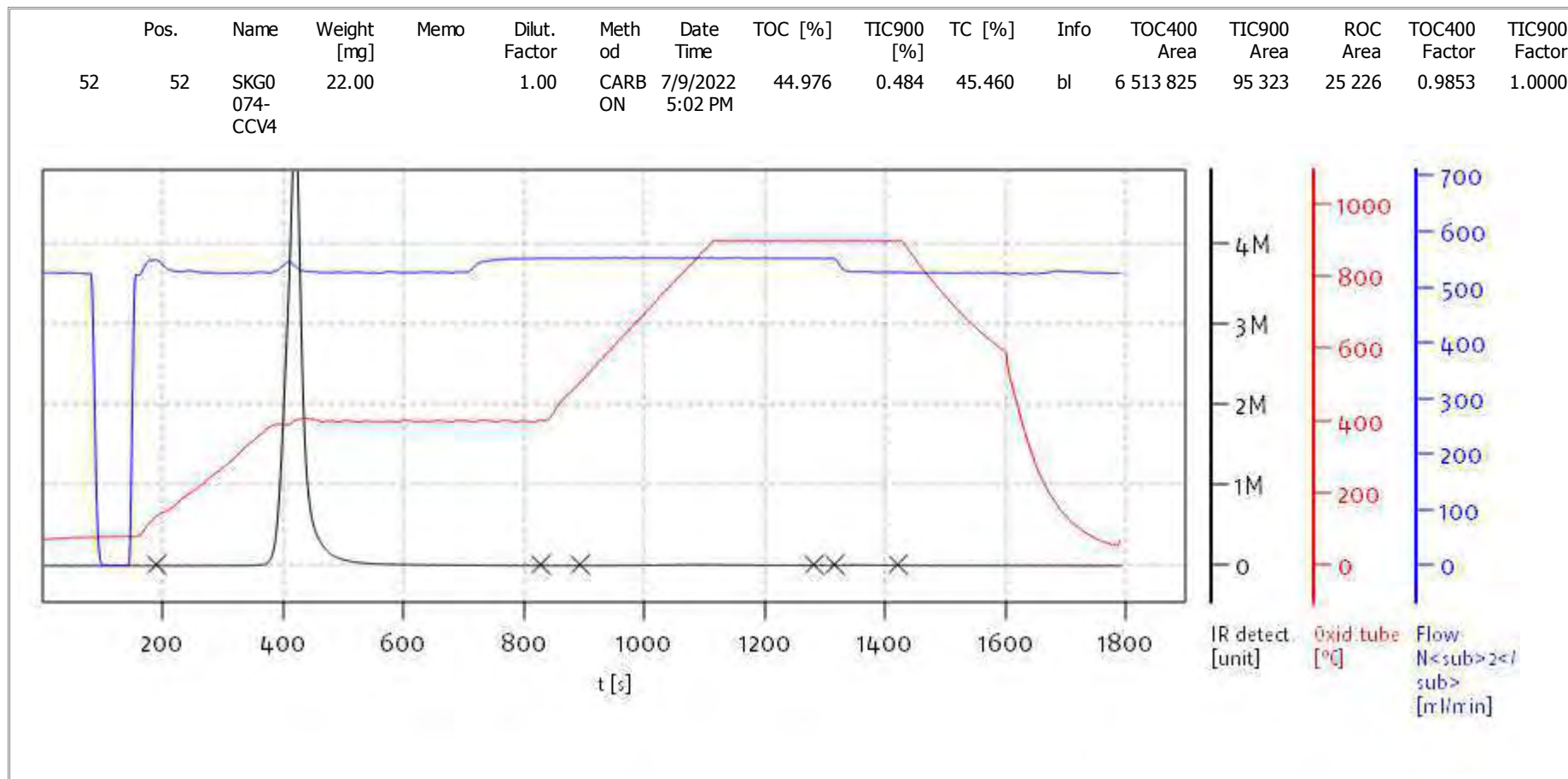
Date: Mon Jul 11 07:43:34 2022



solITOC V2.0.2 (31015f9) 2018-11-19
Serial No: 0300.181017
Mode CCC



Soli TOC Cube, Carbon
Balance: BAL3
Analyst: DOE



Name:

Access: solITOC superuser

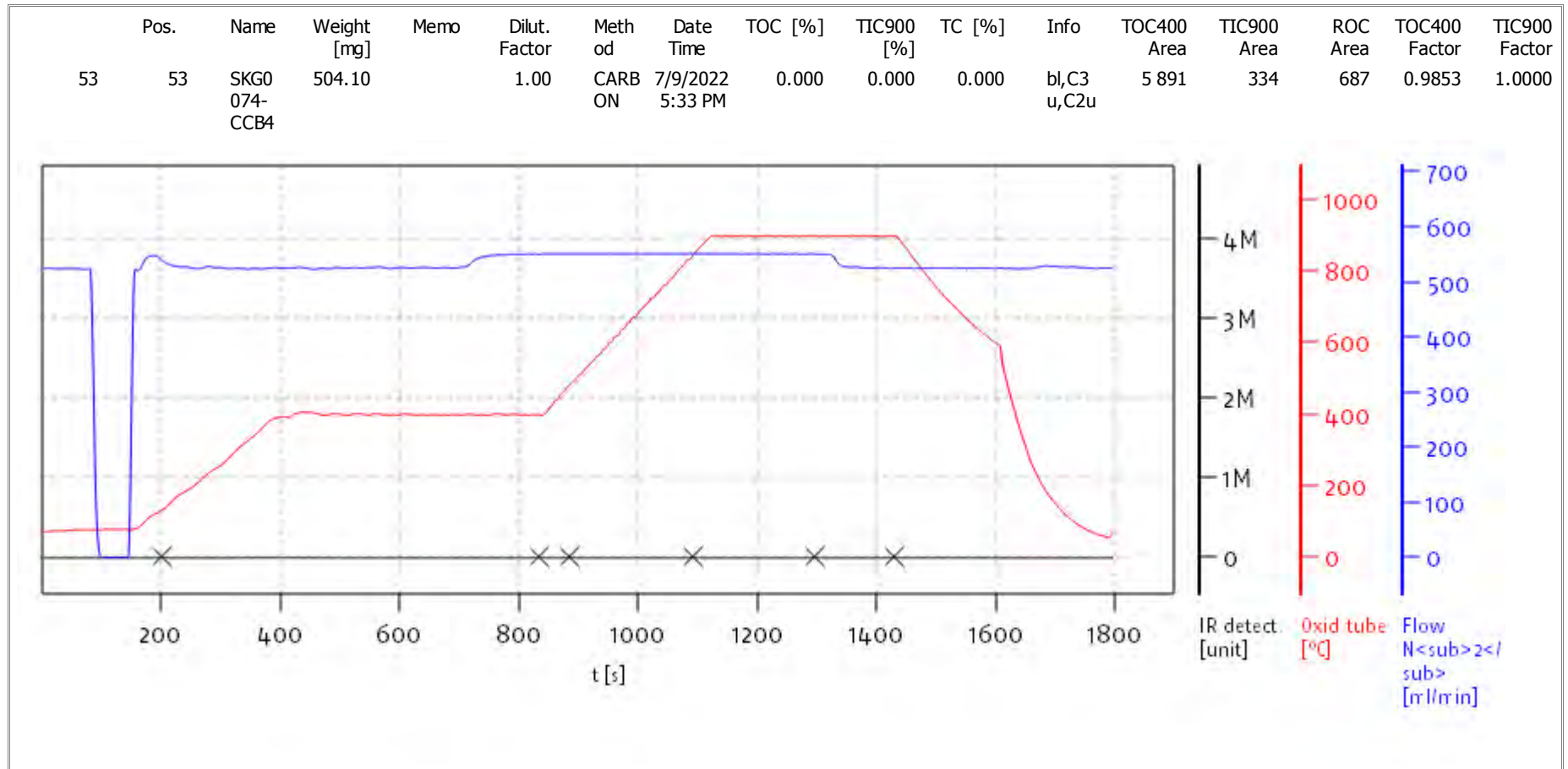
Date: Mon Jul 11 07:43:34 2022



solITOC V2.0.2 (31015f9) 2018-11-19
Serial No: 0300.181017
Mode CCC



Soli TOC Cube, Carbon
Balance: BAL3
Analyst: DOE



Name:

Access: solITOC superuser

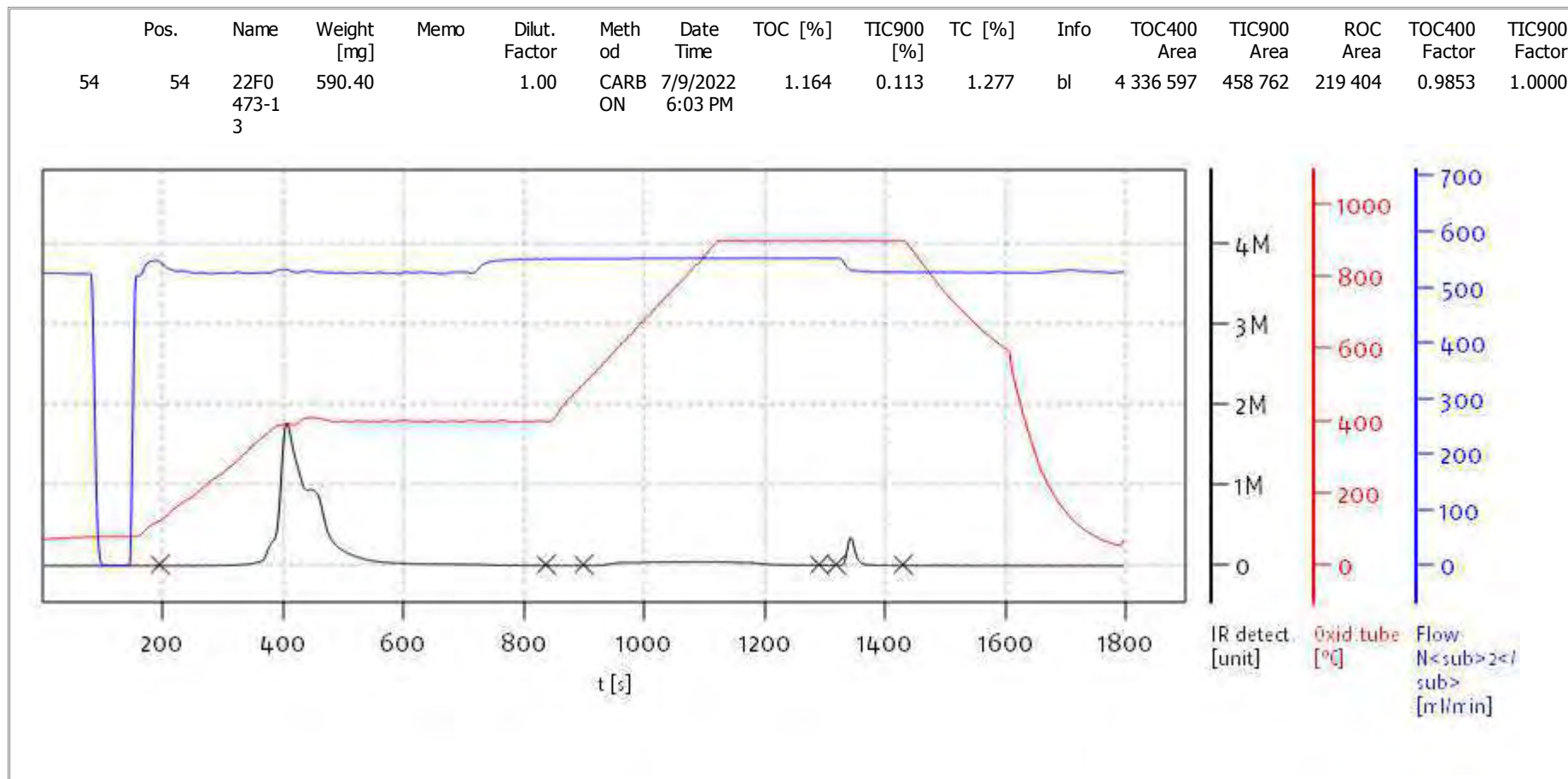
Date: Mon Jul 11 07:43:34 2022



solITOC V2.0.2 (31015f9) 2018-11-19
Serial No: 0300.181017
Mode CCC



Soli TOC Cube, Carbon
Balance: BAL3
Analyst: DOE



Name:

Access: solITOC superuser

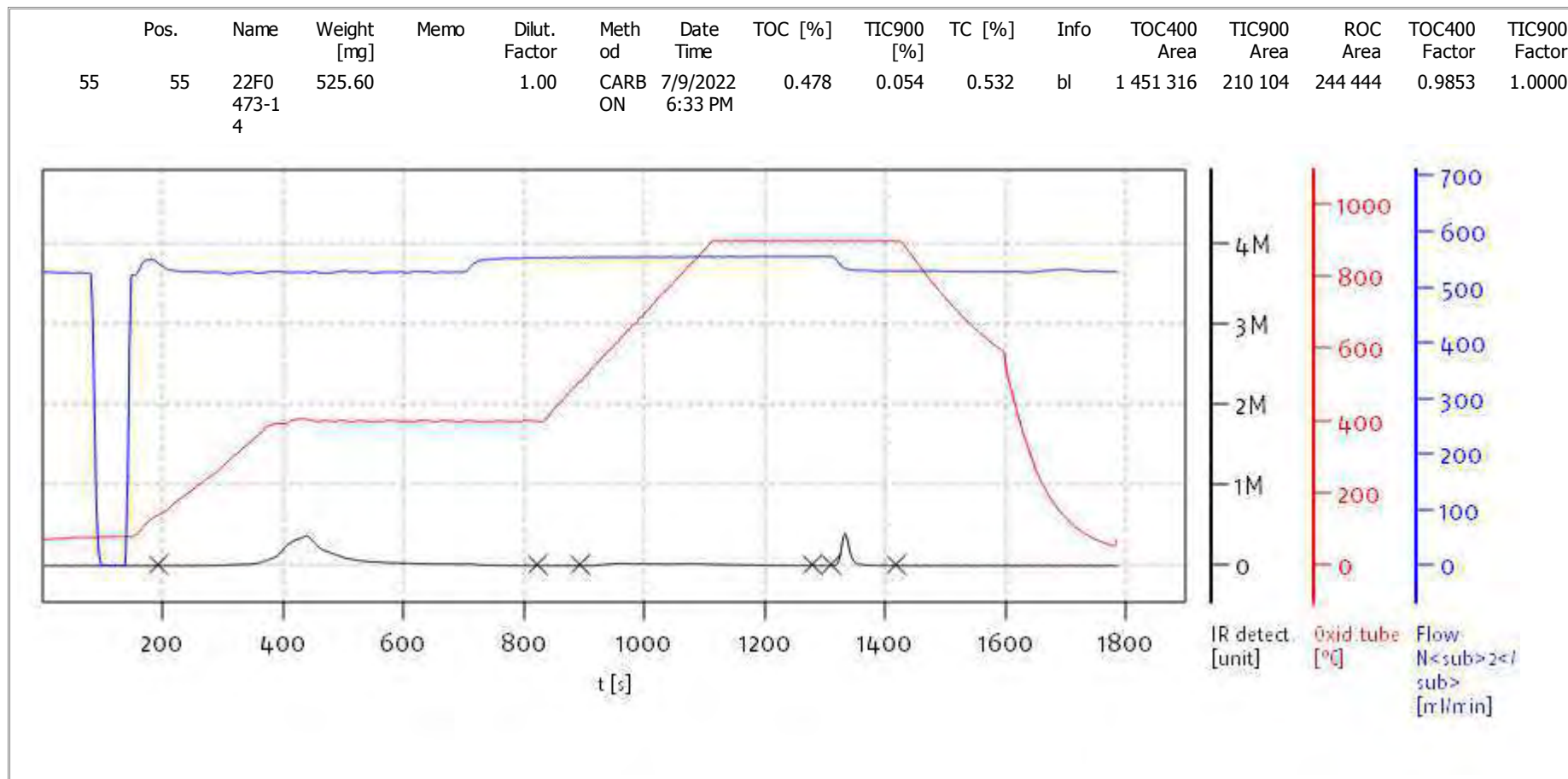
Date: Mon Jul 11 07:43:34 2022



solITOC V2.0.2 (31015f9) 2018-11-19
Serial No: 0300.181017
Mode CCC



Soli TOC Cube, Carbon
Balance: BAL3
Analyst: DOE



Name:

Access: solITOC superuser

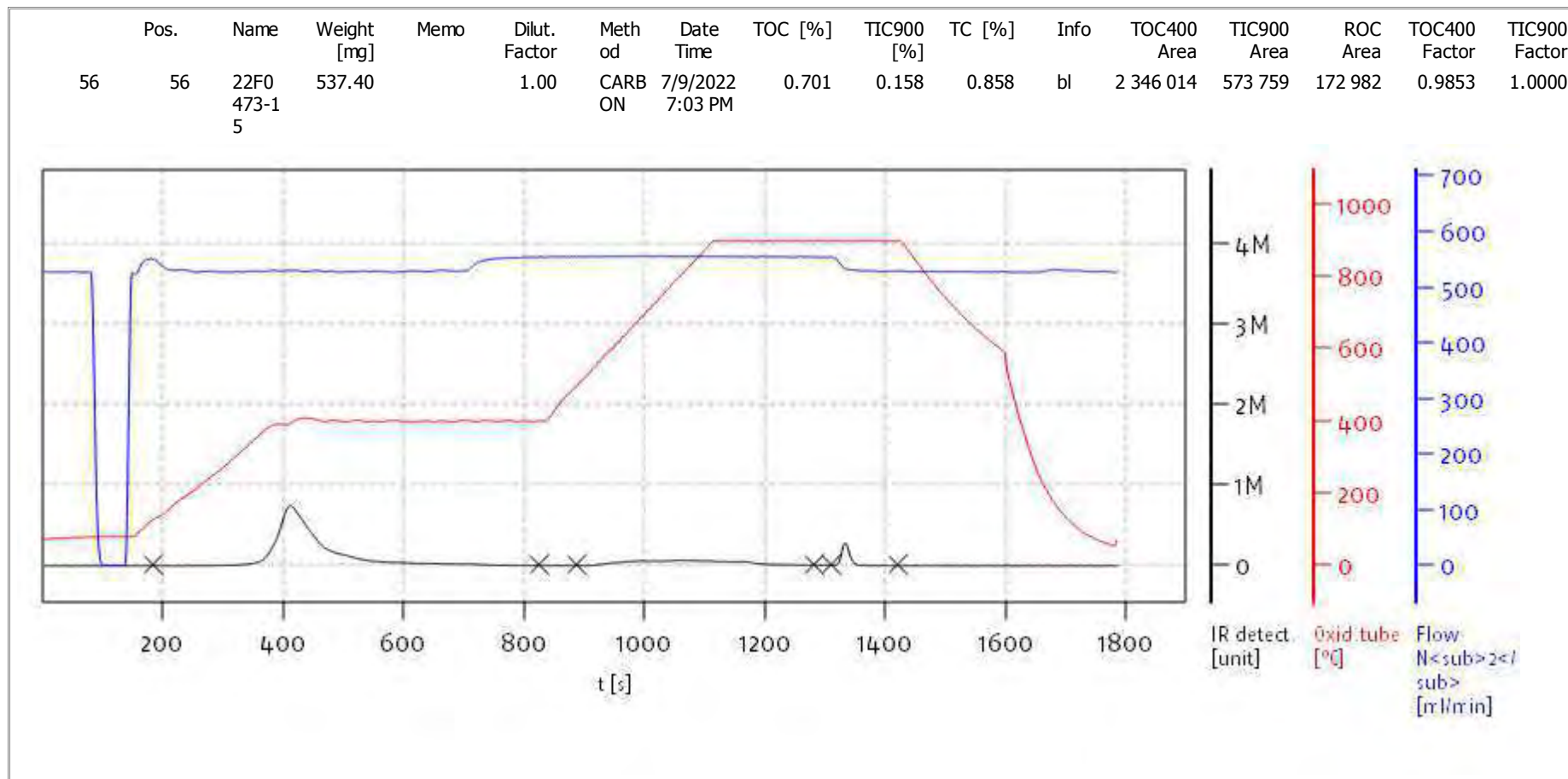
Date: Mon Jul 11 07:43:34 2022



solITOC V2.0.2 (31015f9) 2018-11-19
Serial No: 0300.181017
Mode CCC



Soli TOC Cube, Carbon
Balance: BAL3
Analyst: DOE



Name:

Access: solITOC superuser

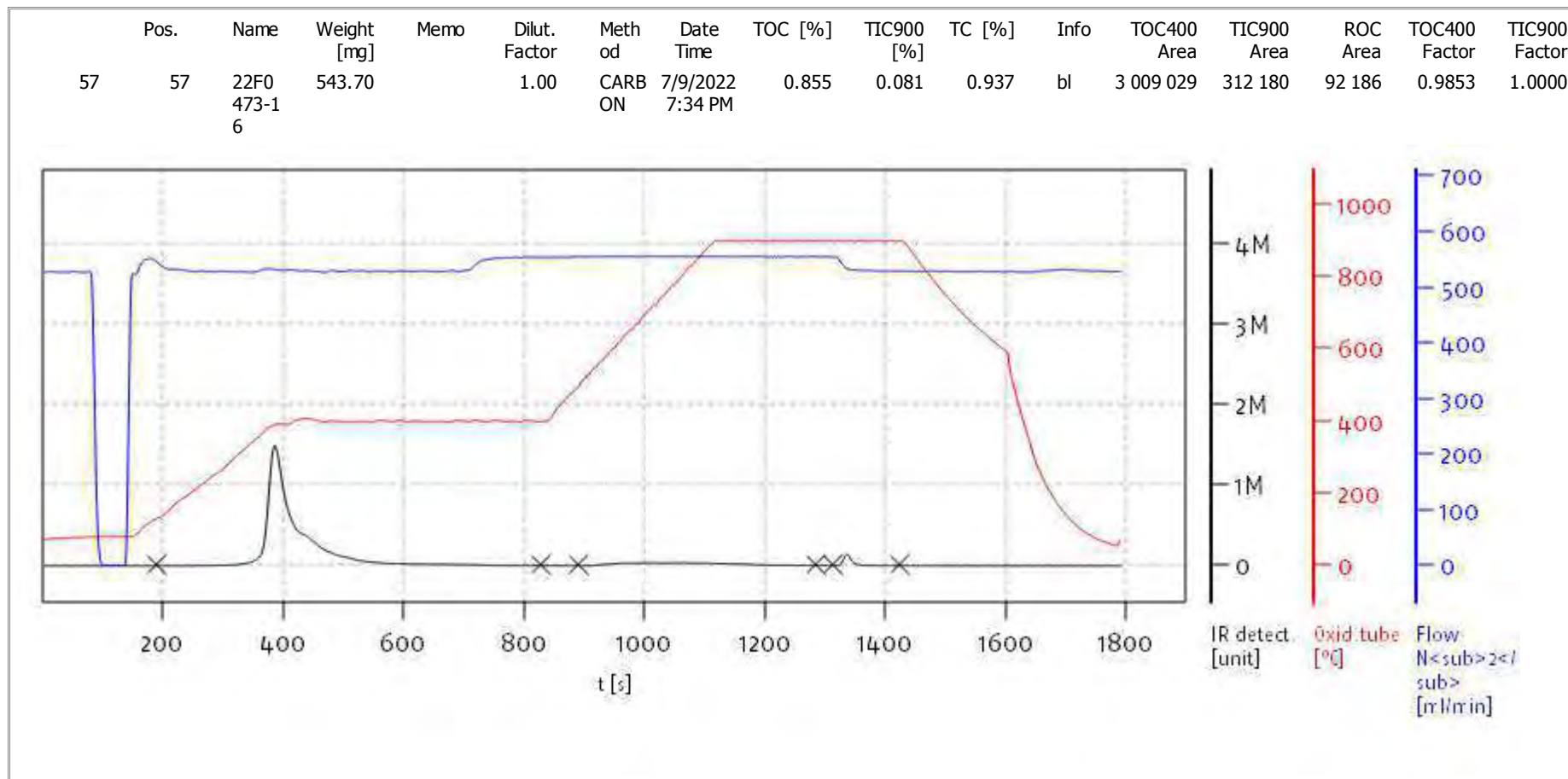
Date: Mon Jul 11 07:43:34 2022



solITOC V2.0.2 (31015f9) 2018-11-19
Serial No: 0300.181017
Mode CCC



Soli TOC Cube, Carbon
Balance: BAL3
Analyst: DOE



Name:

Access: solITOC superuser

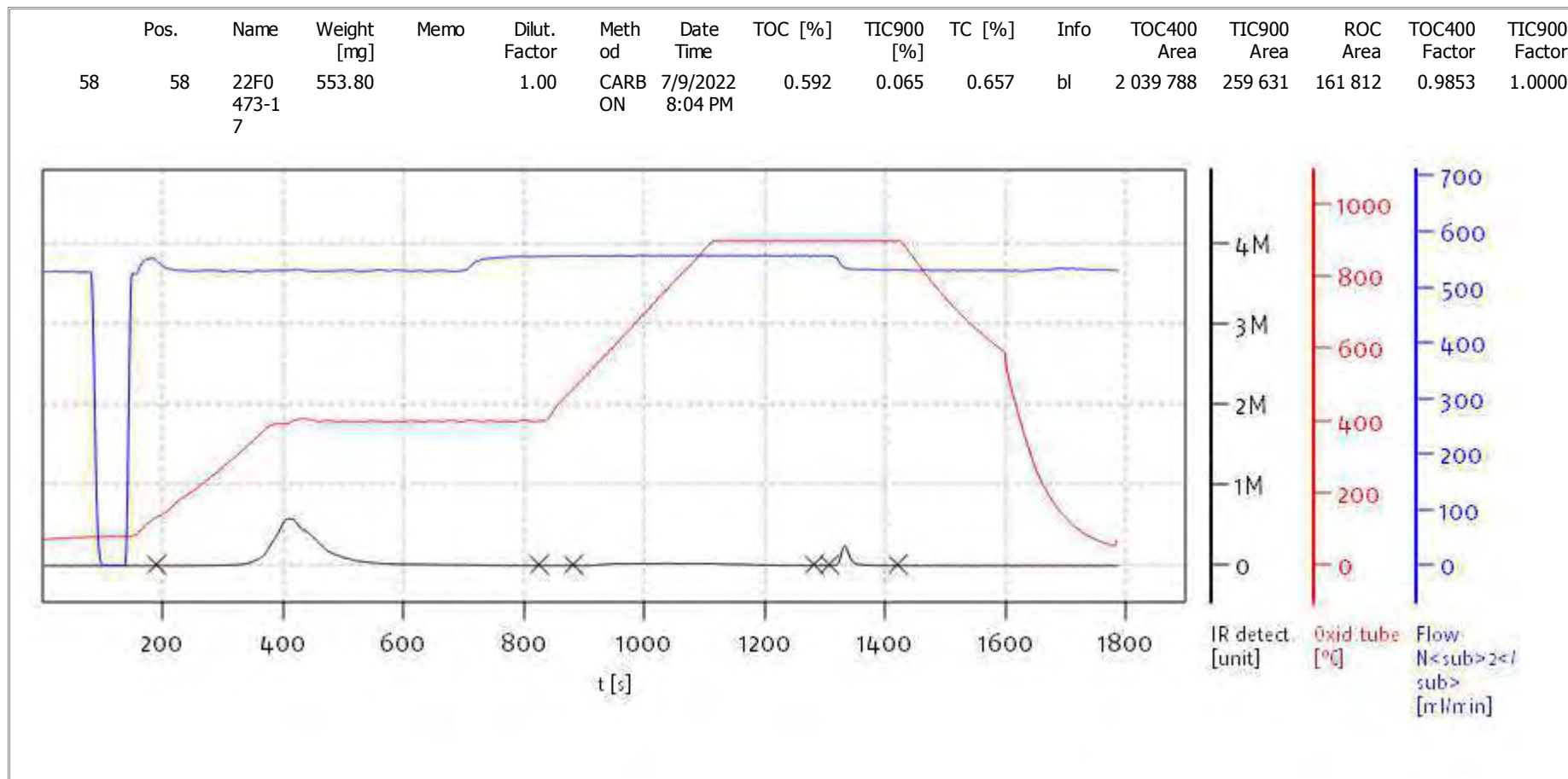
Date: Mon Jul 11 07:43:34 2022



solITOC V2.0.2 (31015f9) 2018-11-19
Serial No: 0300.181017
Mode CCC



Soli TOC Cube, Carbon
Balance: BAL3
Analyst: DOE



Name:

Access: solITOC superuser

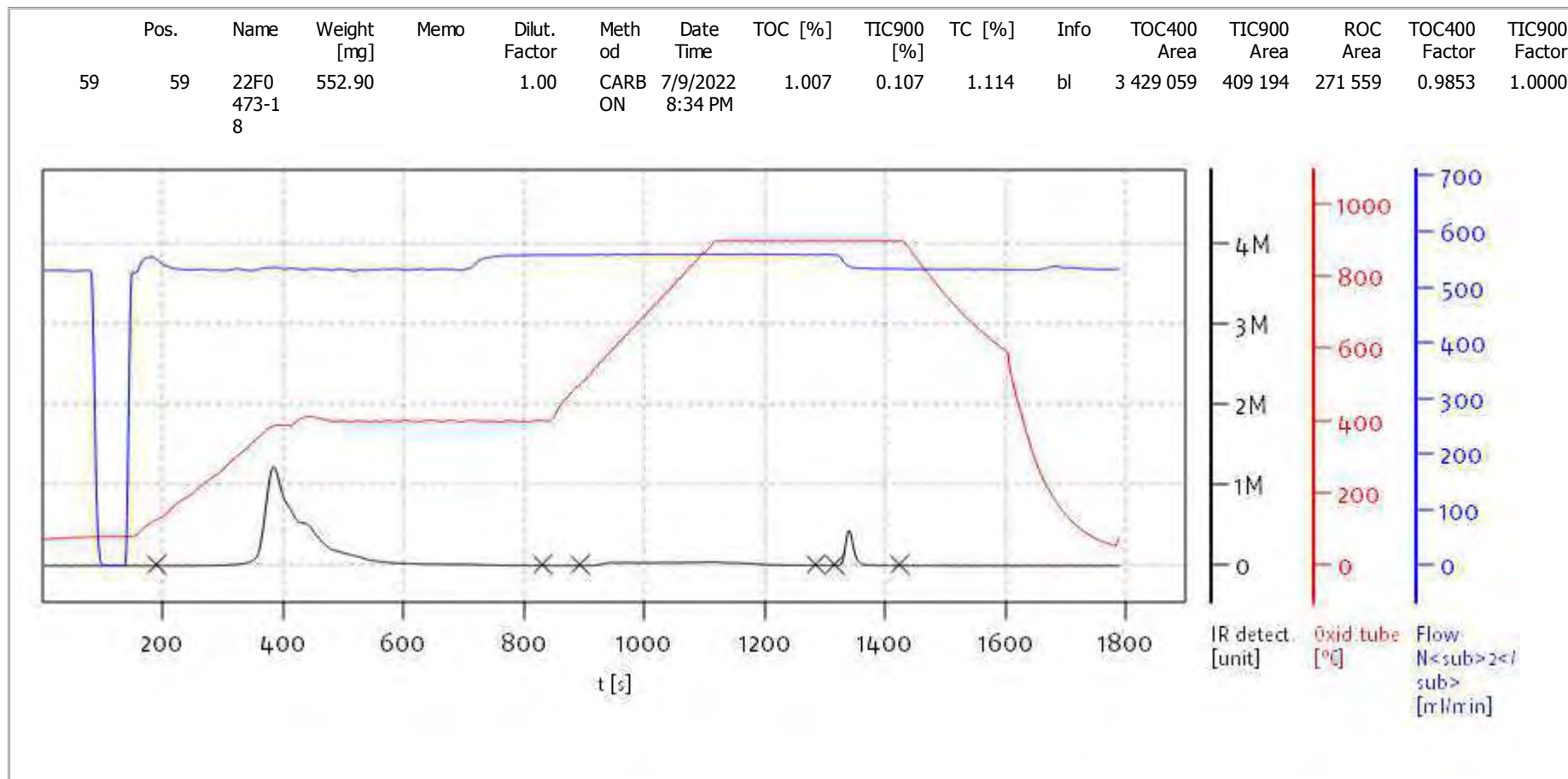
Date: Mon Jul 11 07:43:34 2022



solITOC V2.0.2 (31015f9) 2018-11-19
Serial No: 0300.181017
Mode CCC



Soli TOC Cube, Carbon
Balance: BAL3
Analyst: DOE



Name:

Access: solITOC superuser

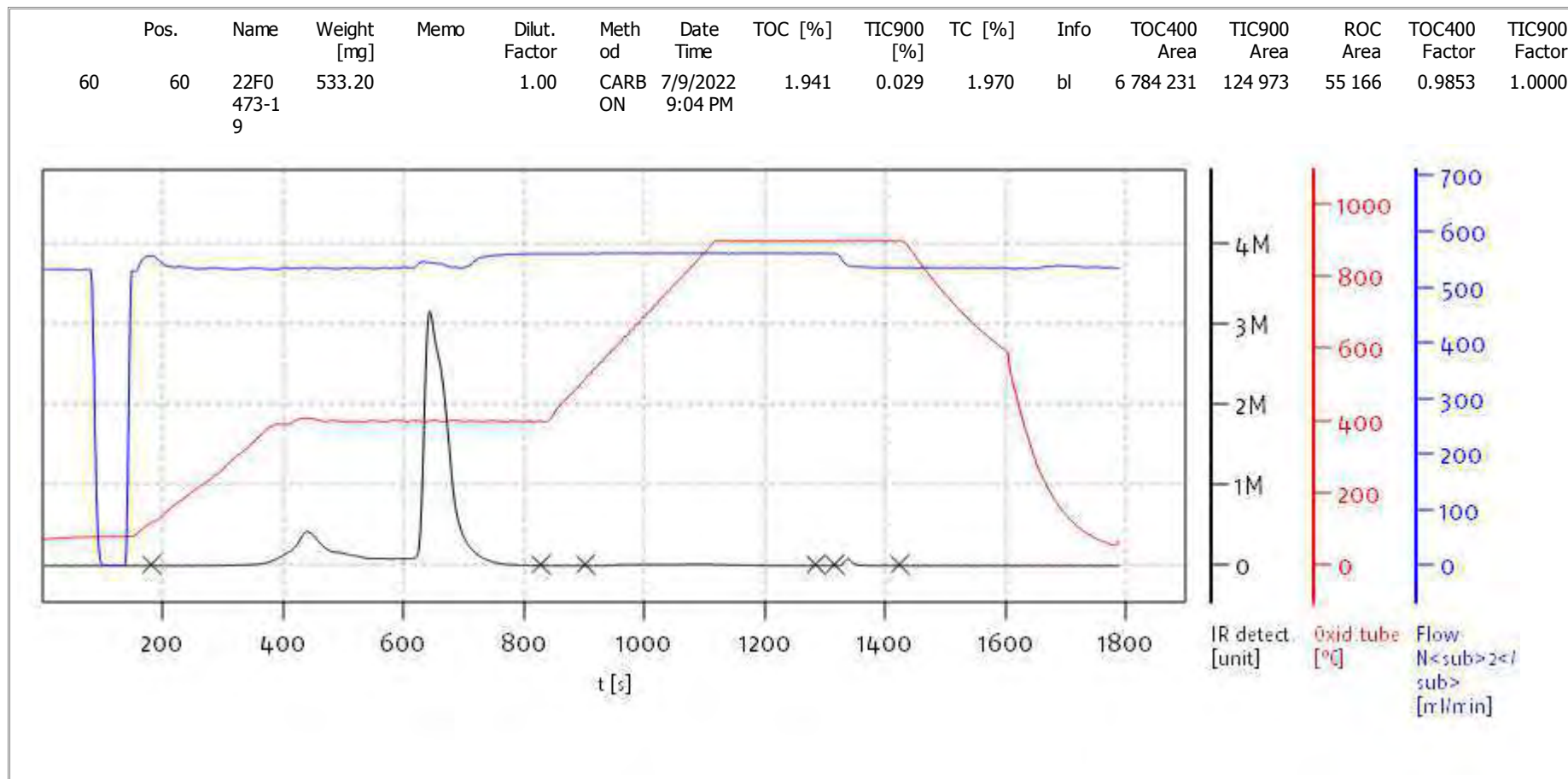
Date: Mon Jul 11 07:43:34 2022



solITOC V2.0.2 (31015f9) 2018-11-19
Serial No: 0300.181017
Mode CCC



Soli TOC Cube, Carbon
Balance: BAL3
Analyst: DOE



Name:

Access: solITOC superuser

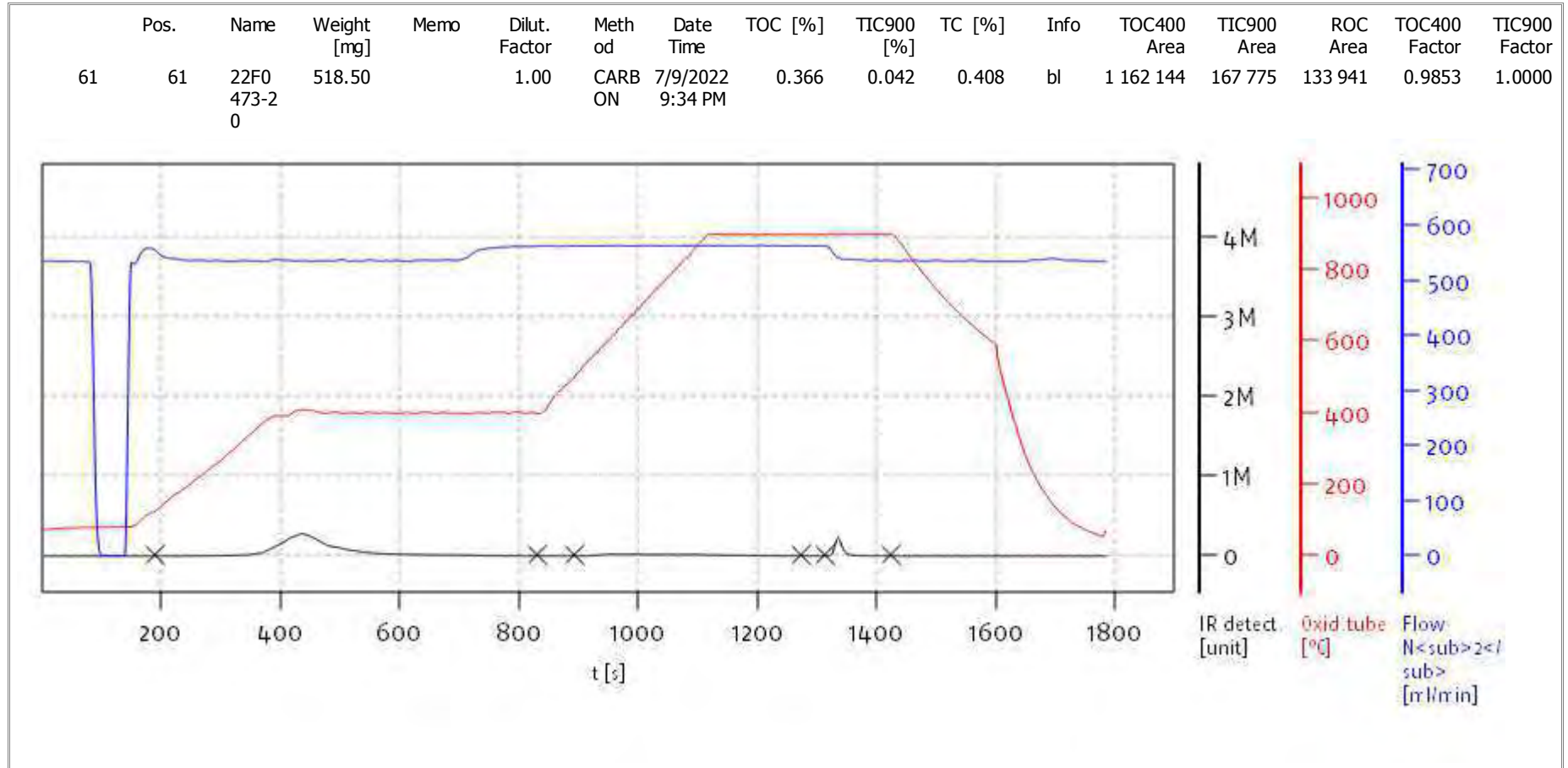
Date: Mon Jul 11 07:43:34 2022



solITOC V2.0.2 (31015f9) 2018-11-19
Serial No: 0300.181017
Mode CCC



Soli TOC Cube, Carbon
Balance: BAL3
Analyst: DOE



Name:

Access: solITOC superuser

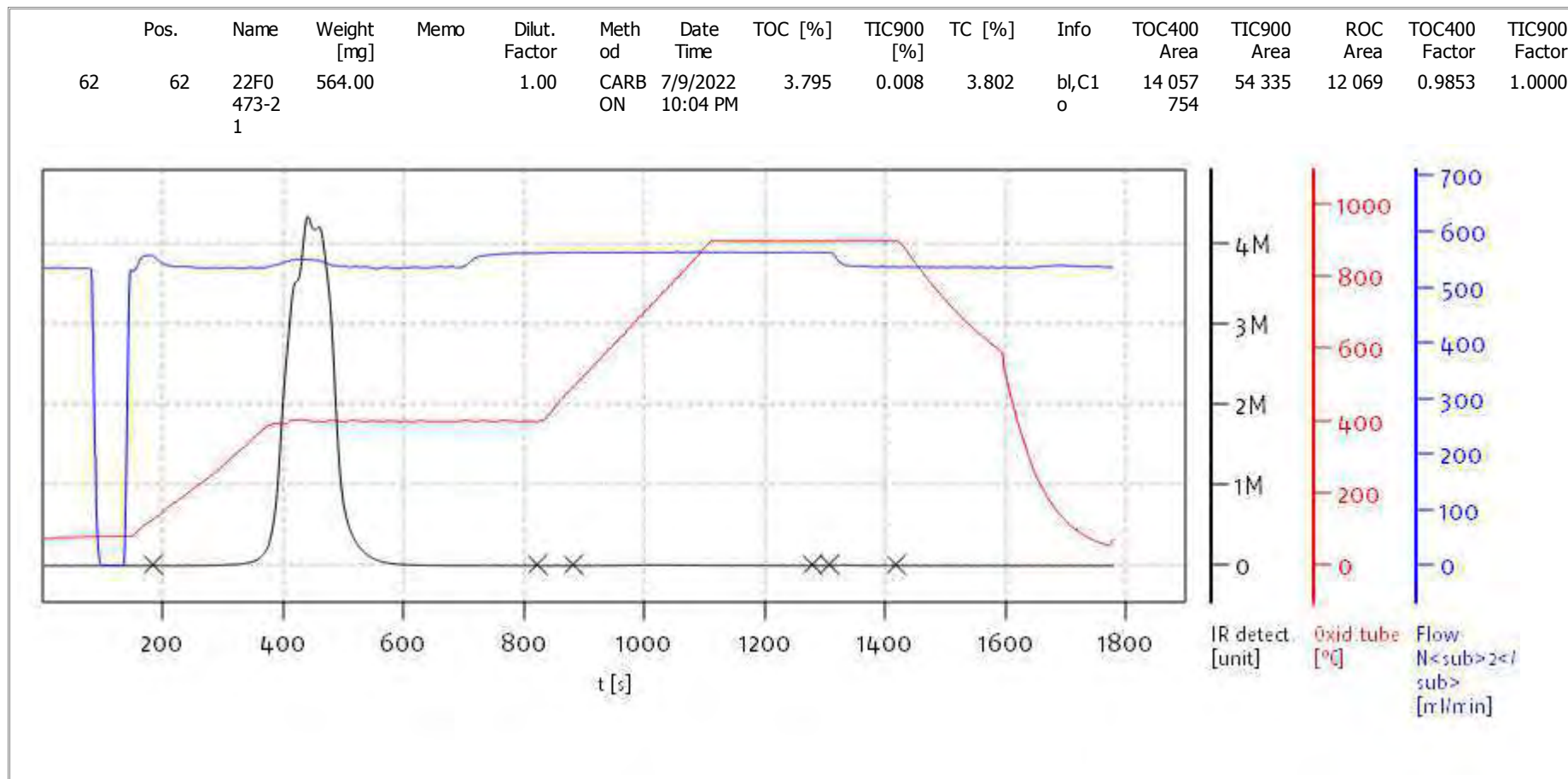
Date: Mon Jul 11 07:43:34 2022



solITOC V2.0.2 (31015f9) 2018-11-19
Serial No: 0300.181017
Mode CCC



Soli TOC Cube, Carbon
Balance: BAL3
Analyst: DOE



Name:

Access: solITOC superuser

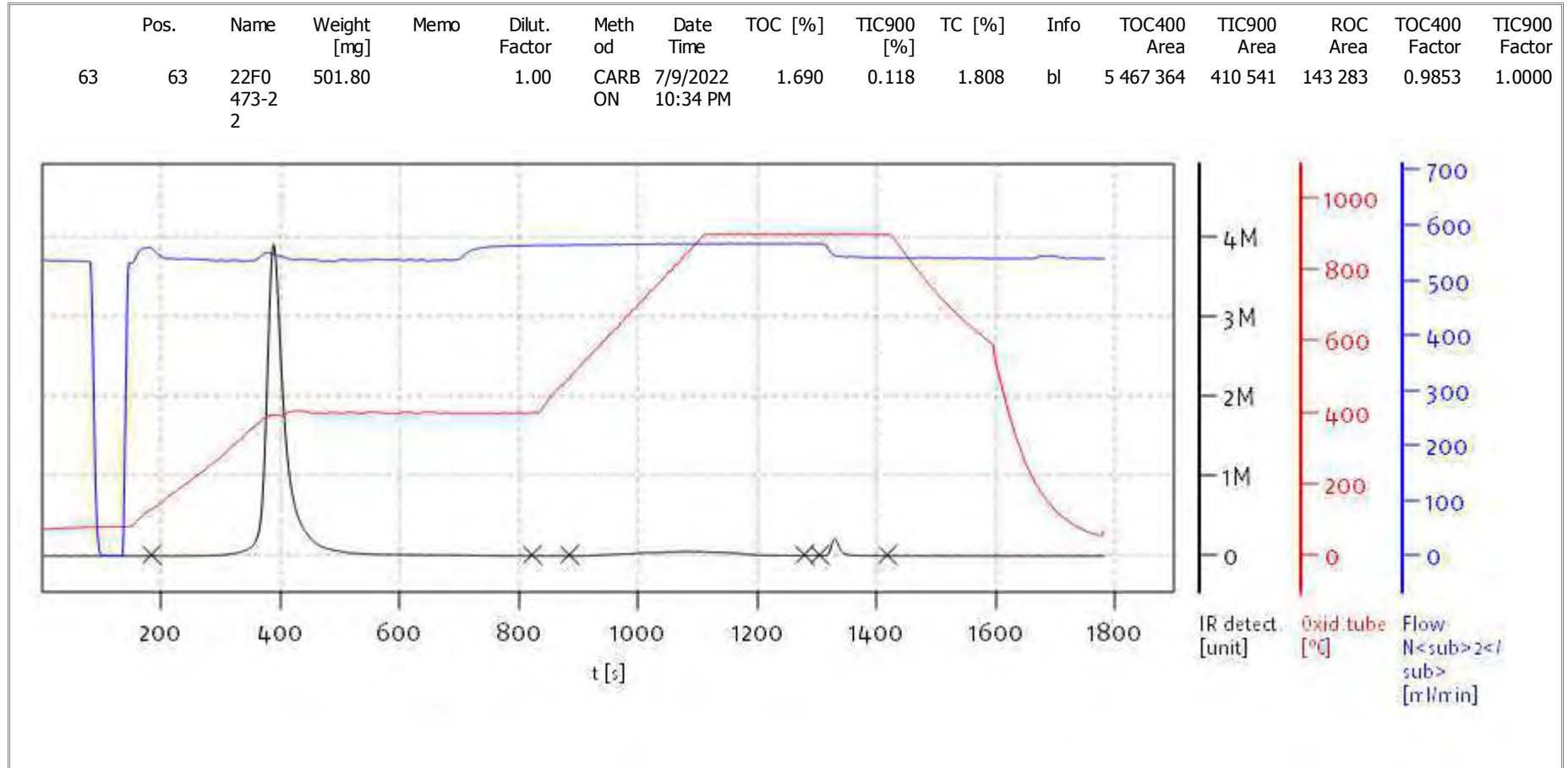
Date: Mon Jul 11 07:43:34 2022



solITOC V2.0.2 (31015f9) 2018-11-19
Serial No: 0300.181017
Mode CCC



Soli TOC Cube, Carbon
Balance: BAL3
Analyst: DOE



Name:

Access: solITOC superuser

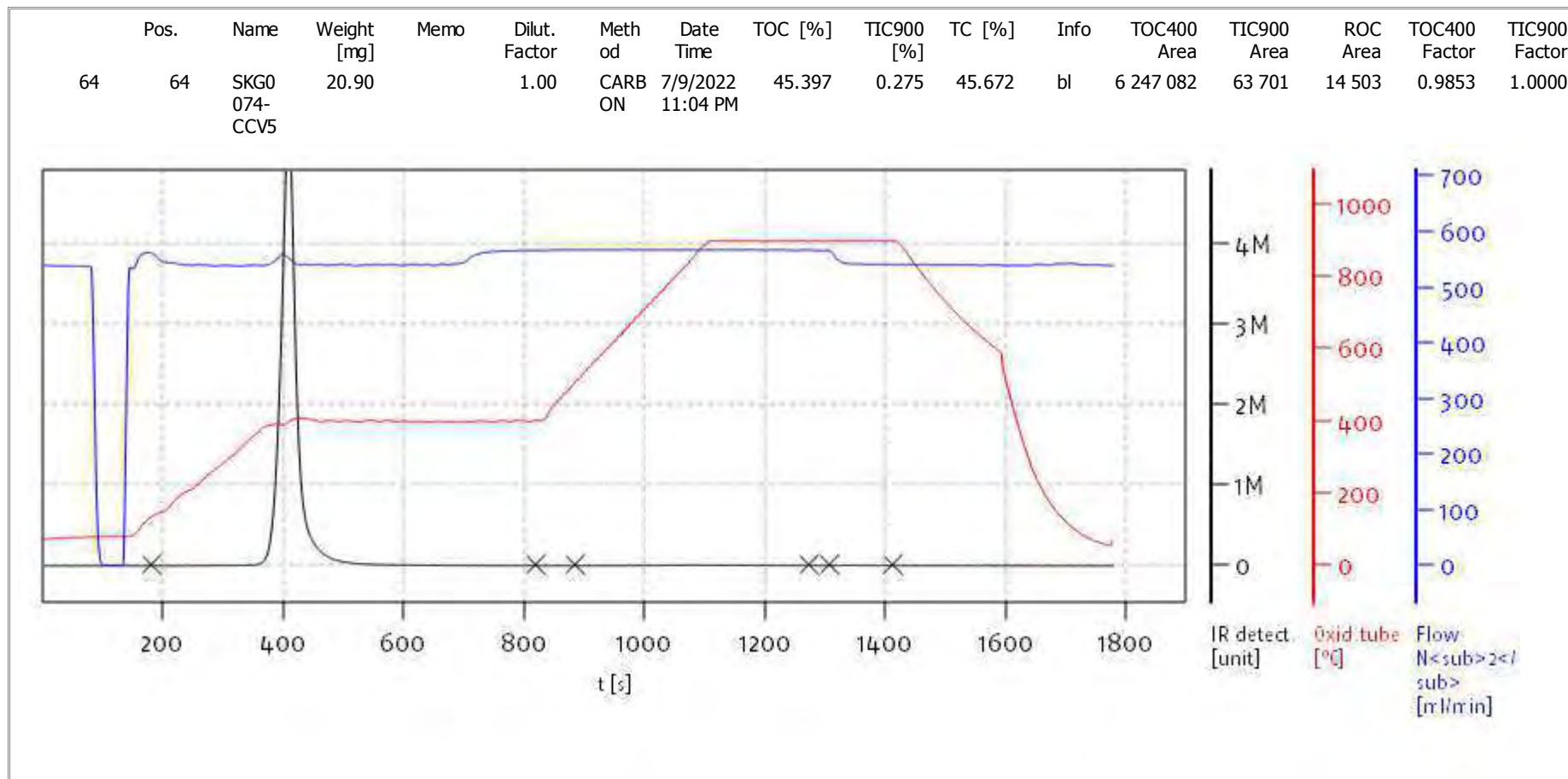
Date: Mon Jul 11 07:43:34 2022



solITOC V2.0.2 (31015f9) 2018-11-19
Serial No: 0300.181017
Mode CCC



Soli TOC Cube, Carbon
Balance: BAL3
Analyst: DOE



Name:

Access: solITOC superuser

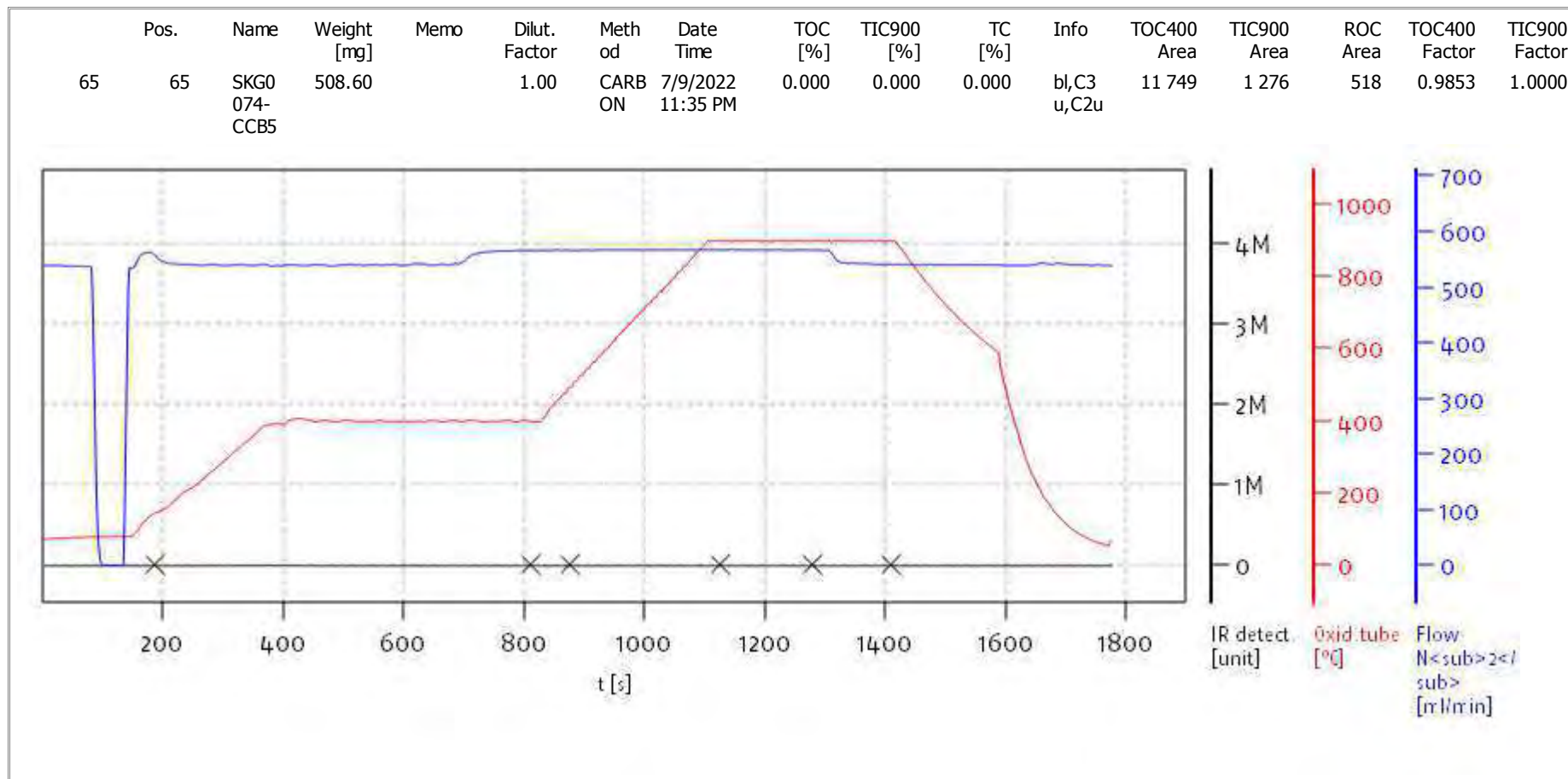
Date: Mon Jul 11 07:43:34 2022



solITOC V2.0.2 (31015f9) 2018-11-19
Serial No: 0300.181017
Mode CCC



Soli TOC Cube, Carbon
Balance: BAL3
Analyst: DOE



Name:

Access: solITOC superuser

Date: Mon Jul 11 07:43:34 2022



solITOC V2.0.2 (31015f9) 2018-11-19
Serial No: 0300.181017
Mode CCC



ANALYSIS BATCH (SEQUENCE) SUMMARY

EPA 9060A m

Laboratory: Analytical Resources, LLC

SDG: 22G0019

Client: GeoEngineers

Project: RG Haley Site-Bellingham

Sequence: SKG0088

Instrument: TOC Cube

Calibration: FD00070

Sample Name	Lab Sample ID	Lab File ID	Matrix	Analysis Date/Time
Initial Cal Check	SKG0088-ICV1	CubeData_07152022@0844-022	NA	07/12/22 10:06
Initial Cal Blank	SKG0088-ICB1	CubeData_07152022@0844-029	NA	07/12/22 10:36
Z1A-1-SC_5.5-7.5	22G0019-01RE1	CubeData_07152022@0844-035	Solid	07/12/22 11:07
Z1A-1-SC_5.5-7.5	BKG0136-DUP2	CubeData_07152022@0844-043	Solid	07/12/22 11:37
Z1A-1-SC_5.5-7.5	BKG0136-MS2	CubeData_07152022@0844-044	Solid	07/12/22 12:07
Z1A-1-SC_5.5-7.5	BKG0136-MSD2	CubeData_07152022@0844-050	Solid	07/12/22 12:37
Z1A-1-SC_7.5-9.5	22G0019-02RE1	CubeData_07152022@0844-055	Solid	07/12/22 13:07
Z1A-2-SC_3.5-5.5	22G0019-03RE1	CubeData_07152022@0844-060	Solid	07/12/22 13:38
Z1A-4-SC_3.5-5.5	22G0019-04RE1	CubeData_07152022@0844-065	Solid	07/12/22 14:08
Z1A-5-SC_2.5-4.5	22G0019-06RE1	CubeData_07152022@0844-074	Solid	07/12/22 14:38
Z1A-7-SC_4.5-6.5	22G0019-08RE1	CubeData_07152022@0844-079	Solid	07/12/22 15:08
Z1A-10-SC_3.5-5.5	22G0019-09RE1	CubeData_07152022@0844-088	Solid	07/12/22 15:38
Calibration Check	SKG0088-CCV1	CubeData_07152022@0844-095	NA	07/12/22 16:09
Calibration Blank	SKG0088-CCB1	CubeData_07152022@0844-101	NA	07/12/22 16:39
Z1A-10-SC_6.5-8.5	22G0019-10RE1	CubeData_07152022@0844-107	Solid	07/12/22 17:09
Z1A-11-SC_4.0-6.0	22G0019-11RE1	CubeData_07152022@0844-111	Solid	07/12/22 17:39
OCM-1-CAP	22G0019-12RE1	CubeData_07152022@0844-119	Solid	07/12/22 18:10
OCM-1-MS	22G0019-13RE1	CubeData_07152022@0844-120	Solid	07/12/22 18:40
OCM-2-CAP	22G0019-14RE1	CubeData_07152022@0844-121	Solid	07/12/22 19:10
Calibration Check	SKG0088-CCV2	CubeData_07152022@0844-127	NA	07/12/22 22:11
Calibration Blank	SKG0088-CCB2	CubeData_07152022@0844-128	NA	07/12/22 22:41
Calibration Check	SKG0088-CCV3	CubeData_07152022@0844-139	NA	07/13/22 04:14
Calibration Blank	SKG0088-CCB3	CubeData_07152022@0844-140	NA	07/13/22 04:44
Calibration Check	SKG0088-CCV4	CubeData_07152022@0844-150	NA	07/13/22 10:16
Calibration Blank	SKG0088-CCB4	CubeData_07152022@0844-151	NA	07/13/22 10:47
Calibration Check	SKG0088-CCV5	CubeData_07152022@0844-162	NA	07/13/22 16:19
Calibration Blank	SKG0088-CCB5	CubeData_07152022@0844-163	NA	07/13/22 16:49
Calibration Check	SKG0088-CCV6	CubeData_07152022@0844-174	NA	07/13/22 22:22
Calibration Blank	SKG0088-CCB6	CubeData_07152022@0844-175	NA	07/13/22 22:53



ANALYSIS BATCH (SEQUENCE) SUMMARY

EPA 9060A m

Laboratory: Analytical Resources, LLC

SDG: 22G0019

Client: GeoEngineers

Project: RG Haley Site-Bellingham

Sequence: SKG0088

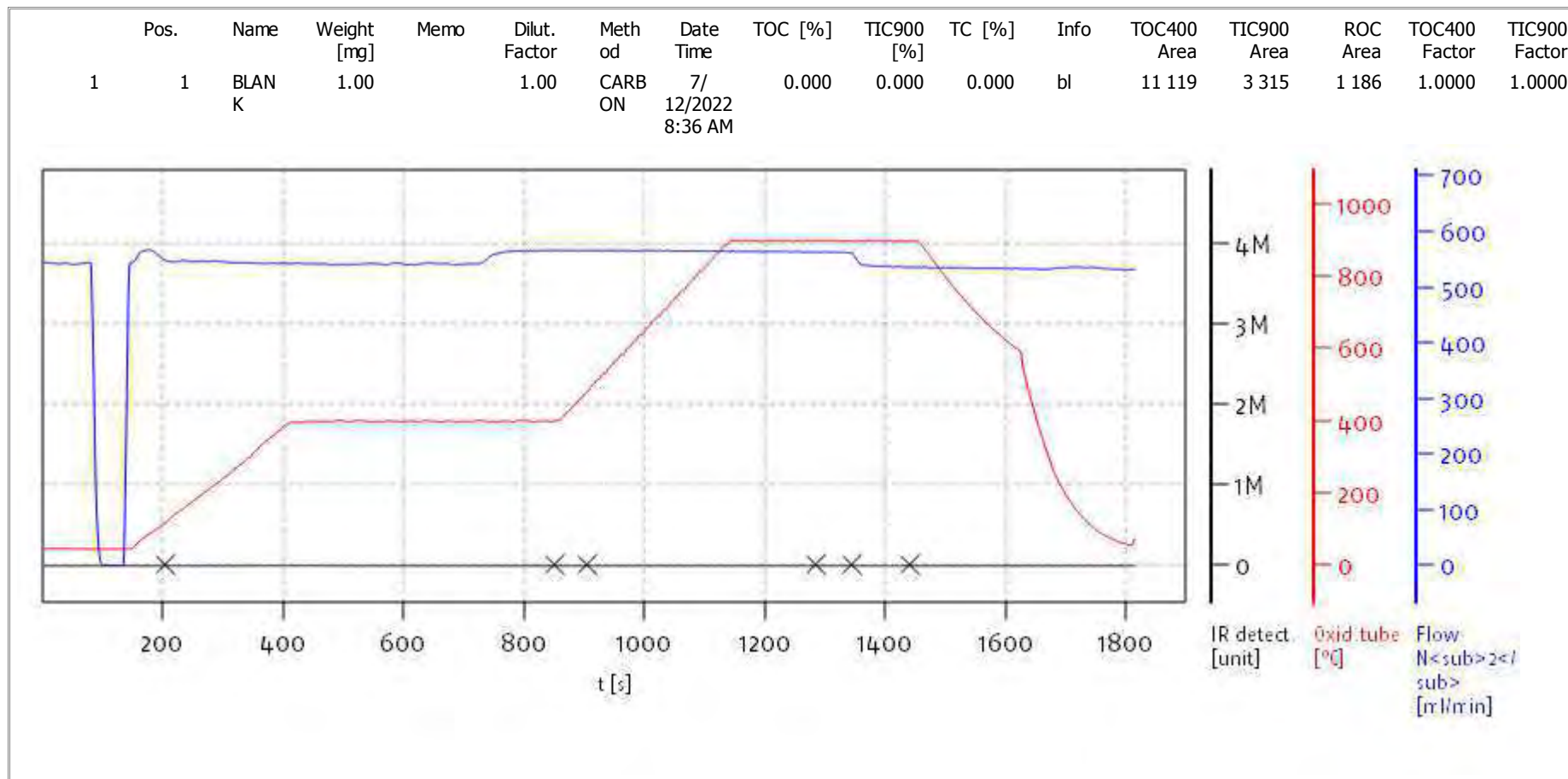
Instrument: TOC Cube

Calibration: FD00070

Sample Name	Lab Sample ID	Lab File ID	Matrix	Analysis Date/Time
Calibration Check	SKG0088-CCV7	CubeData_07152022@0844-186	NA	07/14/22 04:25
Calibration Blank	SKG0088-CCB7	CubeData_07152022@0844-187	NA	07/14/22 04:56
Calibration Check	SKG0088-CCV8	CubeData_07152022@0844-061	NA	07/14/22 10:27
Calibration Blank	SKG0088-CCB8	CubeData_07152022@0844-066	NA	07/14/22 10:57
Calibration Check	SKG0088-CCV9	CubeData_07152022@0844-112	NA	07/14/22 14:28
Calibration Blank	SKG0088-CCB9	CubeData_07152022@0844-118	NA	07/14/22 14:58



Soli TOC Cube, Carbon
Balance: BAL3
Analyst: DOE



Name:

Access: solITOC superuser

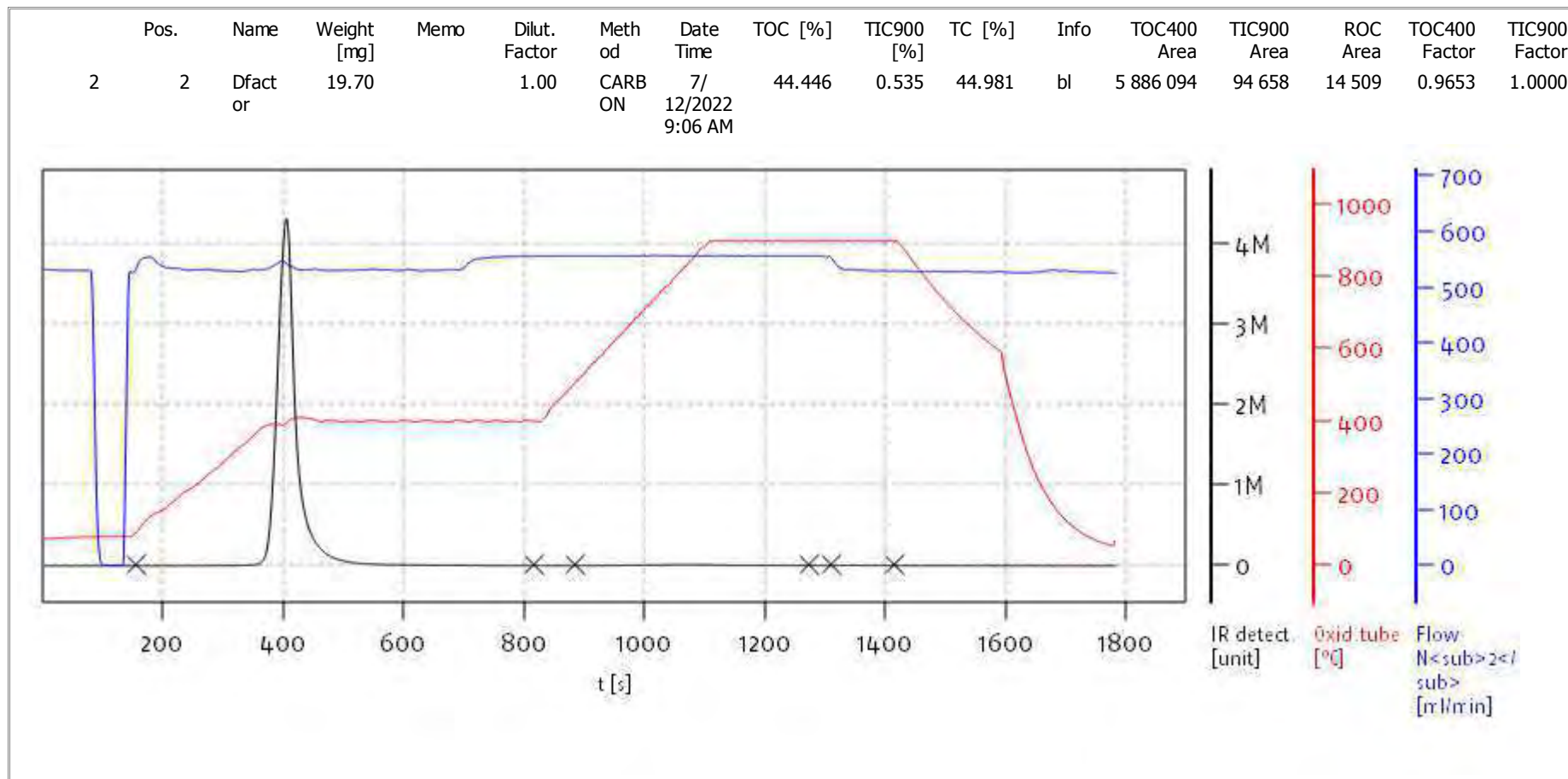
Date: Fri Jul 15 08:39:07 2022



solITOC V2.0.2 (31015f9) 2018-11-19
Serial No: 0300.181017
Mode CCC



Soli TOC Cube, Carbon
Balance: BAL3
Analyst: DOE



Name:

Access: solITOC superuser

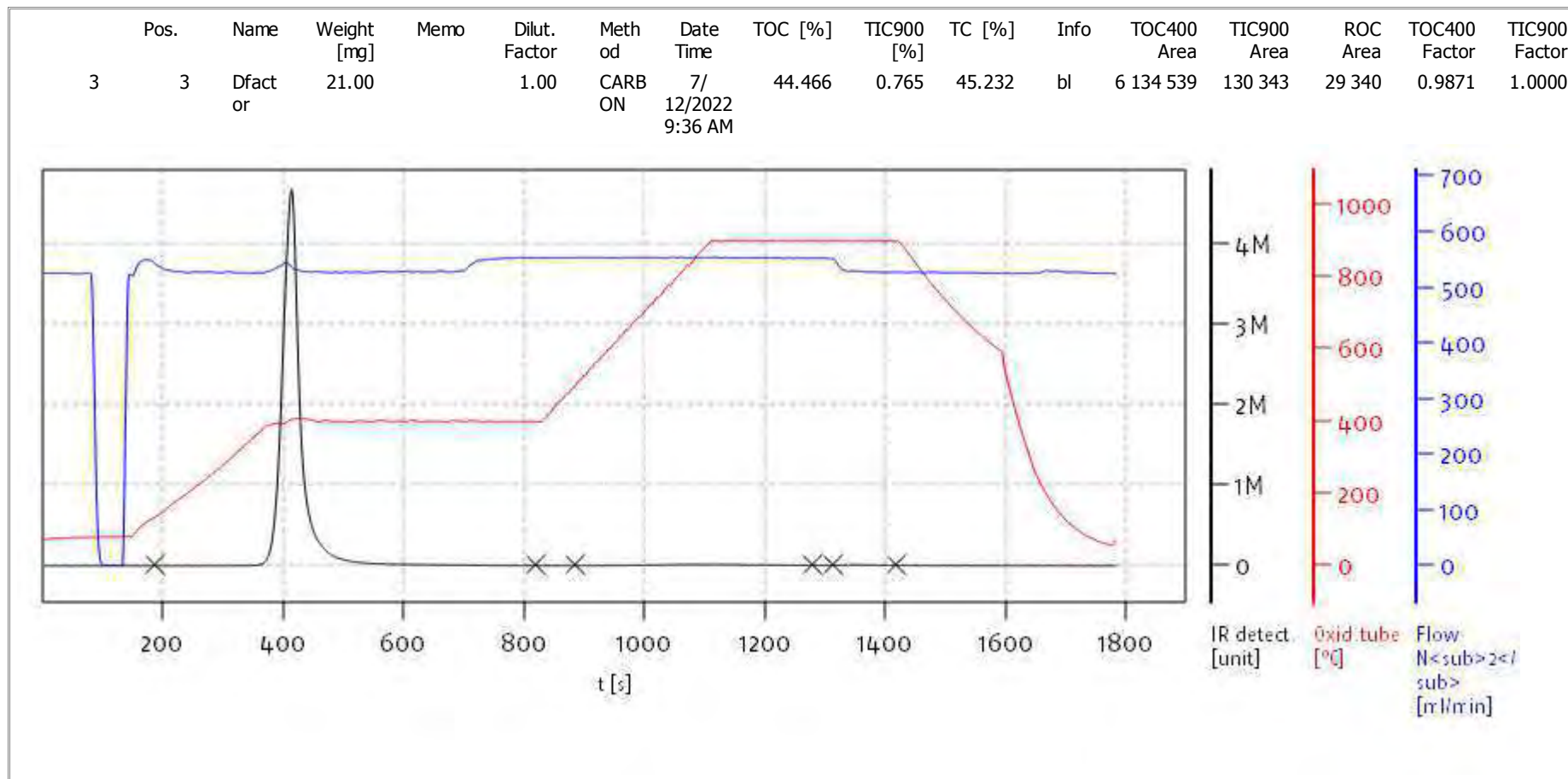
Date: Fri Jul 15 08:39:07 2022



solITOC V2.0.2 (31015f9) 2018-11-19
Serial No: 0300.181017
Mode CCC



Soli TOC Cube, Carbon
Balance: BAL3
Analyst: DOE



Name:

Access: solITOC superuser

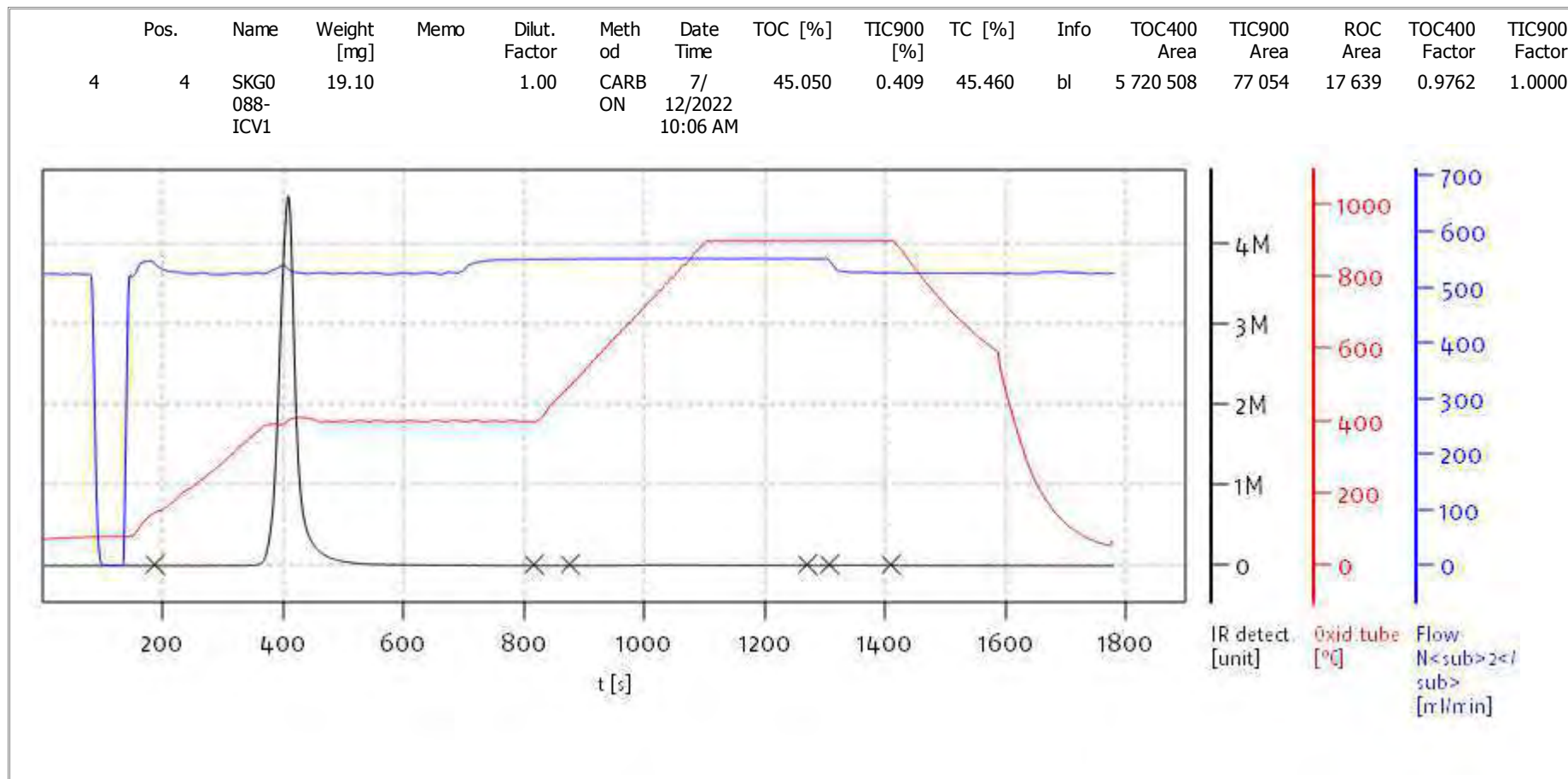
Date: Fri Jul 15 08:39:07 2022



solITOC V2.0.2 (31015f9) 2018-11-19
Serial No: 0300.181017
Mode CCC



Soli TOC Cube, Carbon
Balance: BAL3
Analyst: DOE



Name:

Access: solITOC superuser

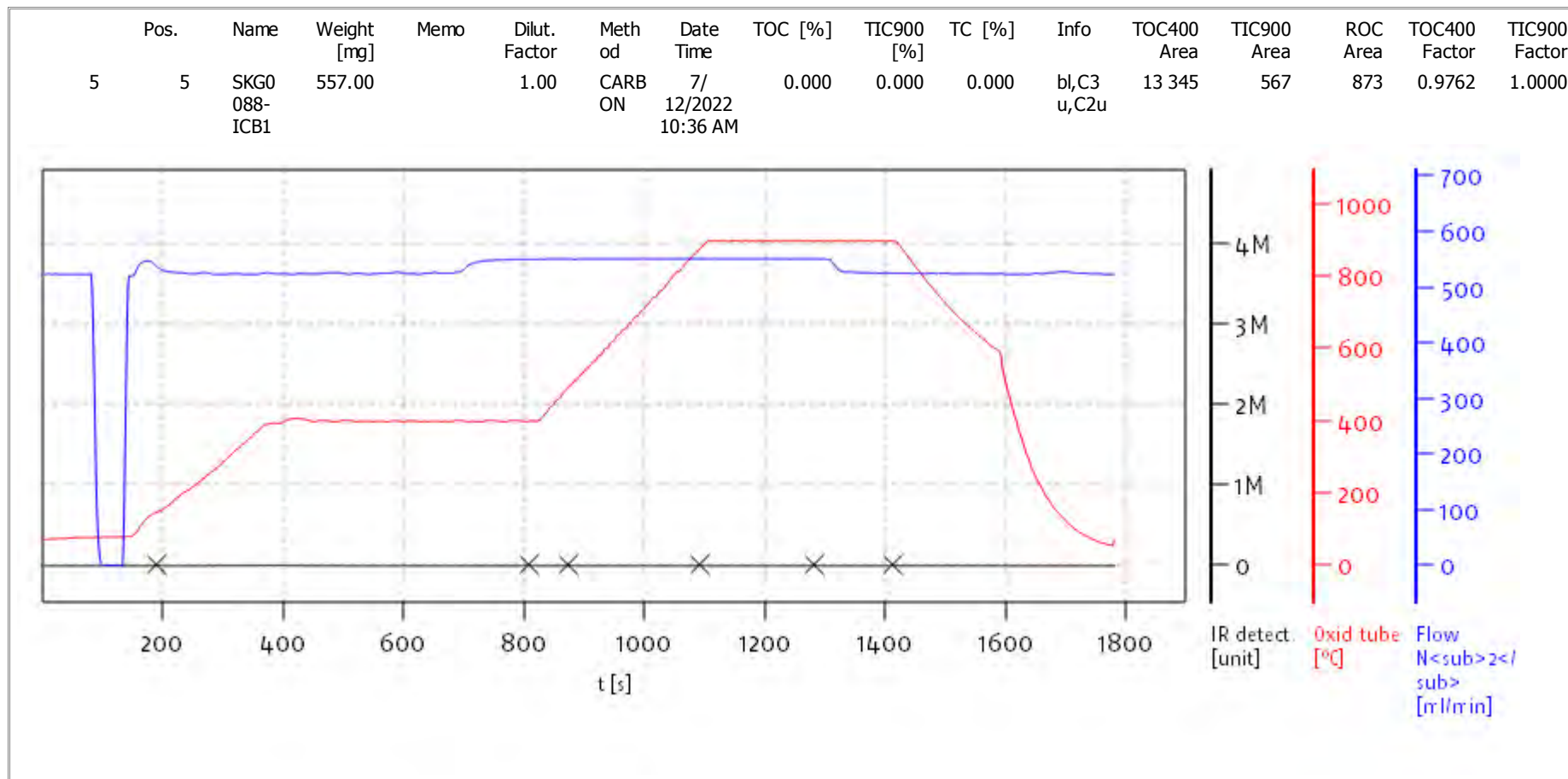
Date: Fri Jul 15 08:39:07 2022



solITOC V2.0.2 (31015f9) 2018-11-19
Serial No: 0300.181017
Mode CCC



Soli TOC Cube, Carbon
Balance: BAL3
Analyst: DOE



Name:

Access: solITOC superuser

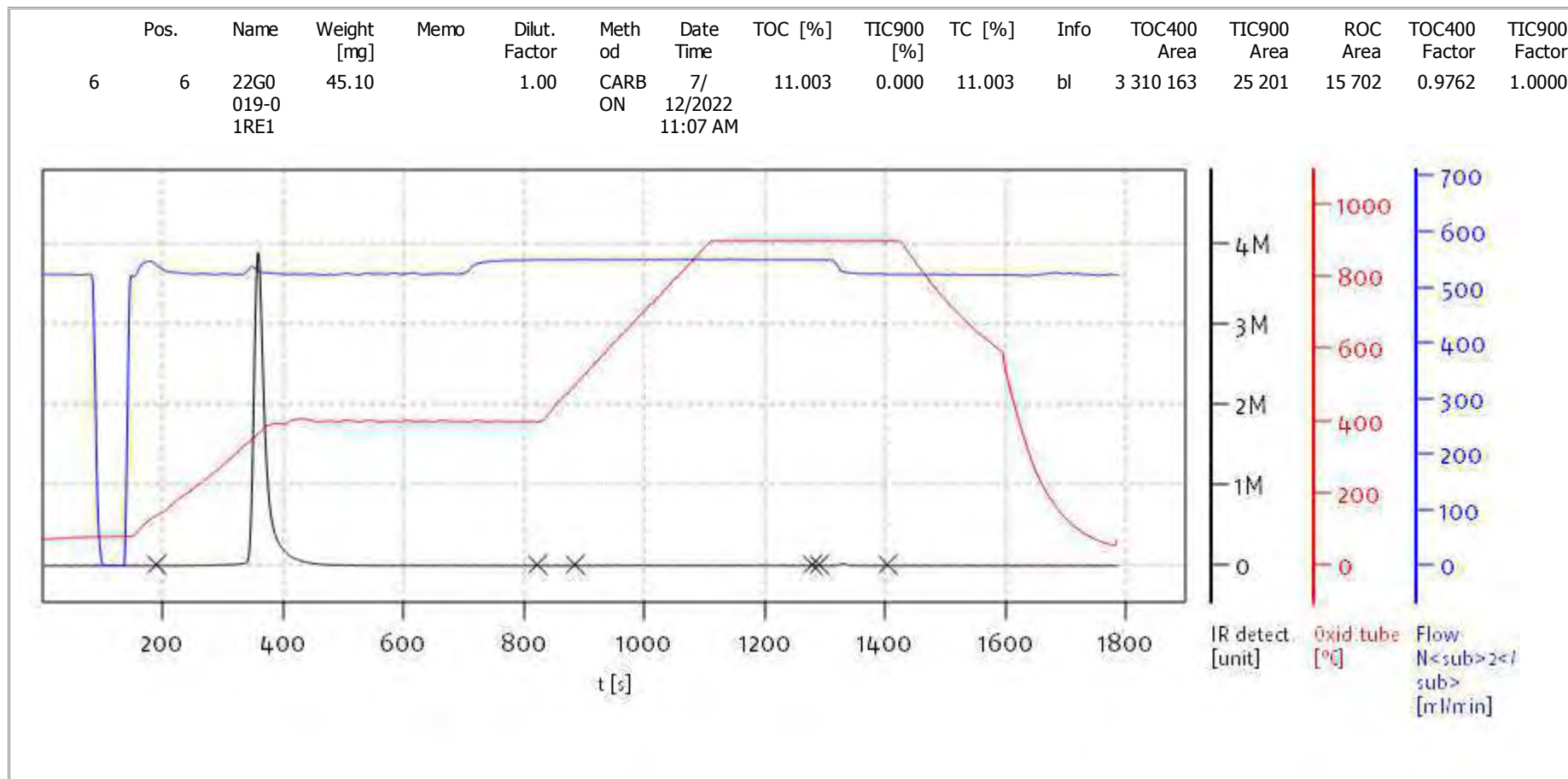
Date: Fri Jul 15 08:39:07 2022



solITOC V2.0.2 (31015f9) 2018-11-19
Serial No: 0300.181017
Mode CCC



Soli TOC Cube, Carbon
Balance: BAL3
Analyst: DOE



Name:

Access: solITOC superuser

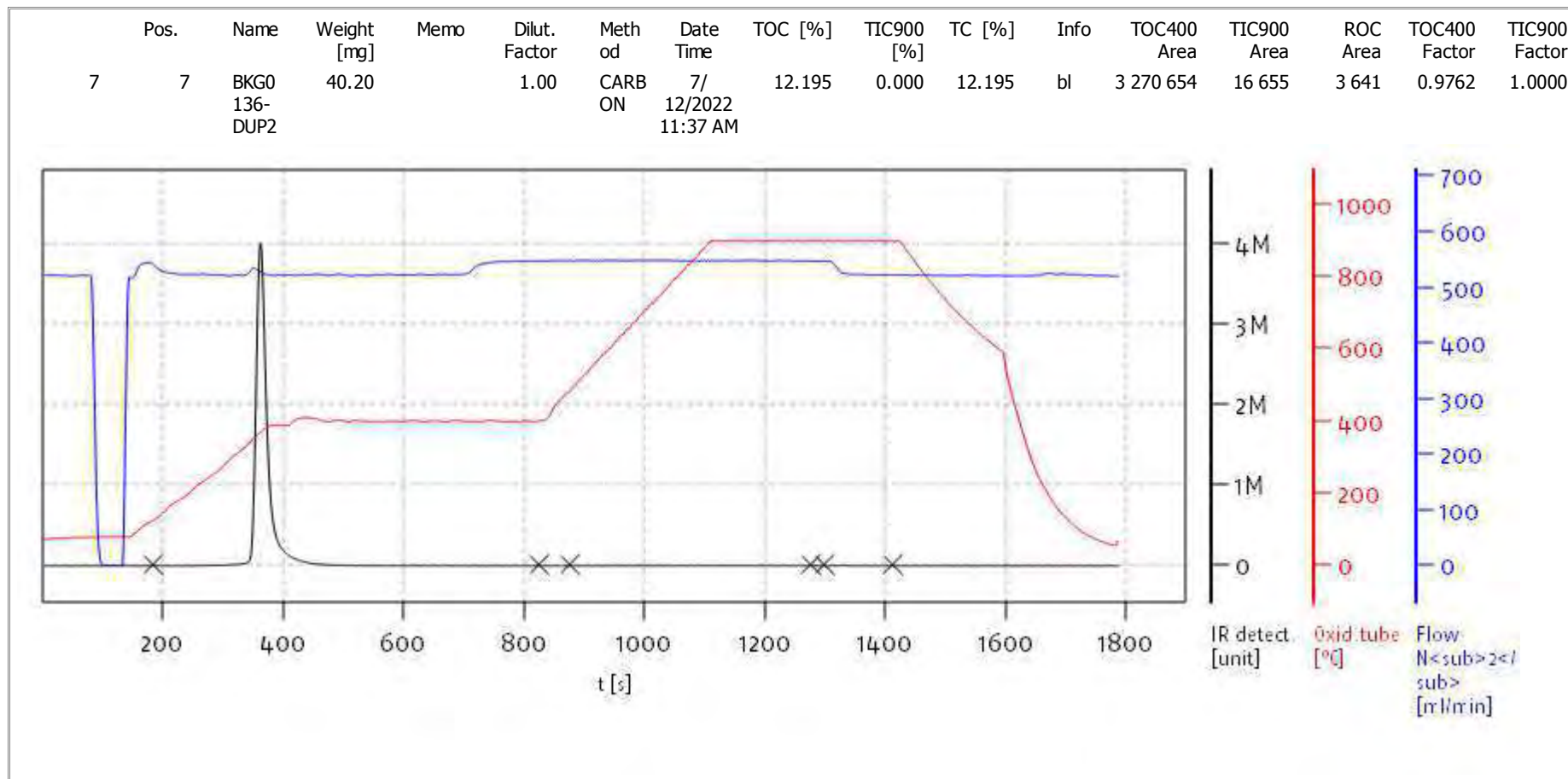
Date: Fri Jul 15 08:39:07 2022



solITOC V2.0.2 (31015f9) 2018-11-19
Serial No: 0300.181017
Mode CCC



Soli TOC Cube, Carbon
Balance: BAL3
Analyst: DOE



Name:

Access: solITOC superuser

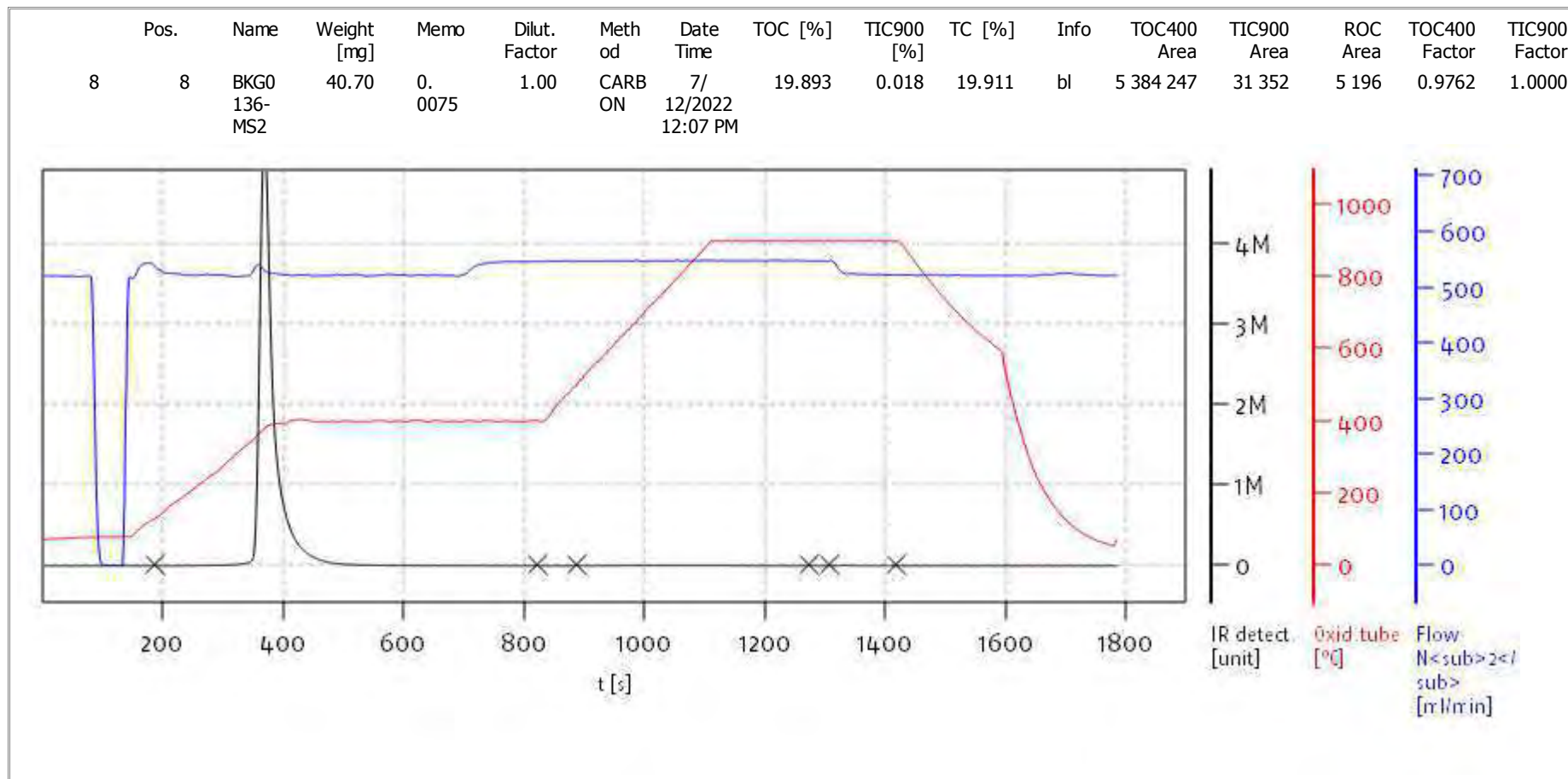
Date: Fri Jul 15 08:39:07 2022



solITOC V2.0.2 (31015f9) 2018-11-19
Serial No: 0300.181017
Mode CCC



Soli TOC Cube, Carbon
Balance: BAL3
Analyst: DOE



Name:

Access: solITOC superuser

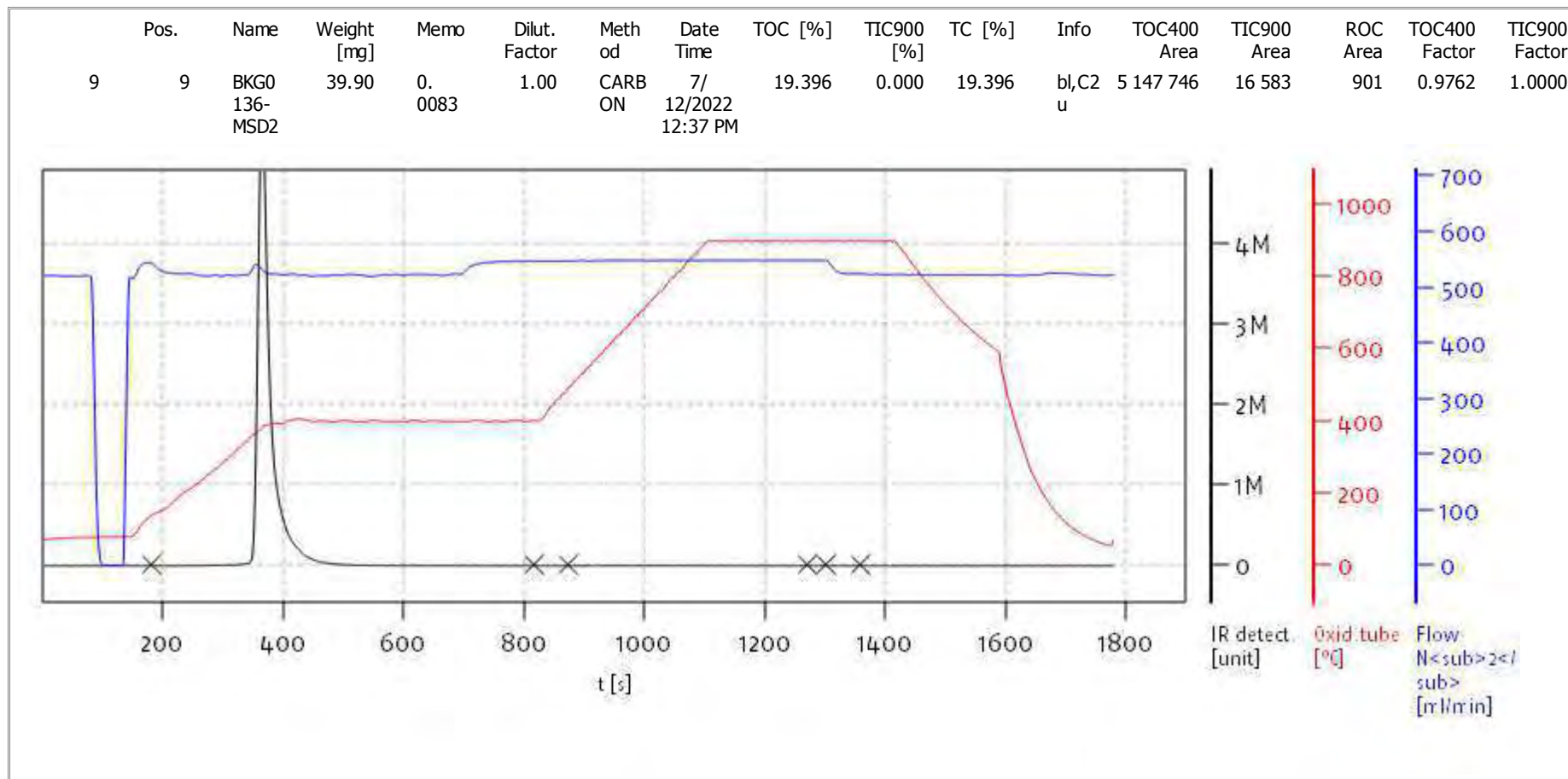
Date: Fri Jul 15 08:39:07 2022



solITOC V2.0.2 (31015f9) 2018-11-19
Serial No: 0300.181017
Mode CCC



Soli TOC Cube, Carbon
Balance: BAL3
Analyst: DOE



Name:

Access: solITOC superuser

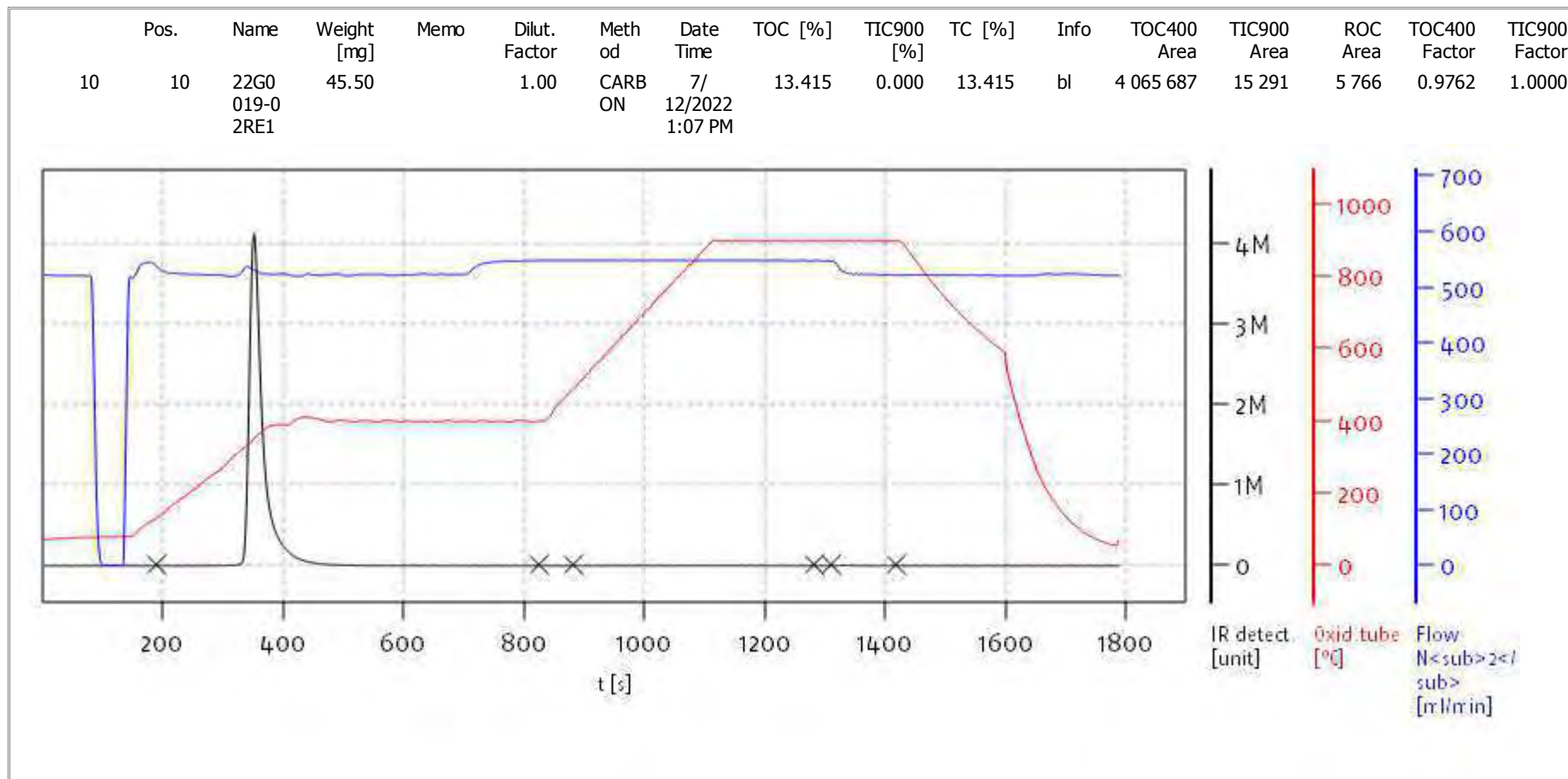
Date: Fri Jul 15 08:39:07 2022



solITOC V2.0.2 (31015f9) 2018-11-19
Serial No: 0300.181017
Mode CCC



Soli TOC Cube, Carbon
Balance: BAL3
Analyst: DOE



Name:

Access: solITOC superuser

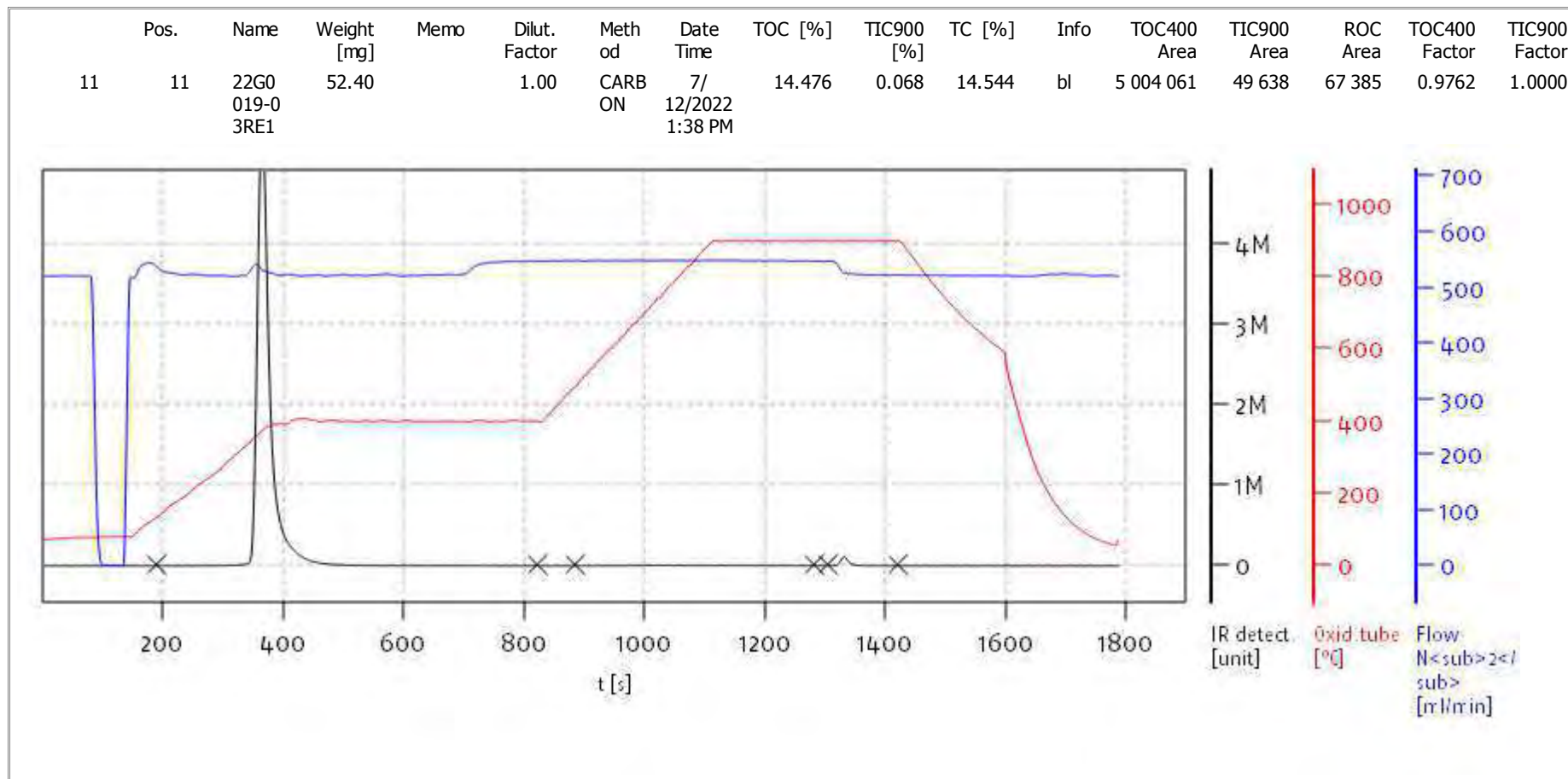
Date: Fri Jul 15 08:39:07 2022



solITOC V2.0.2 (31015f9) 2018-11-19
Serial No: 0300.181017
Mode CCC



Soli TOC Cube, Carbon
Balance: BAL3
Analyst: DOE



Name:

Access: solITOC superuser

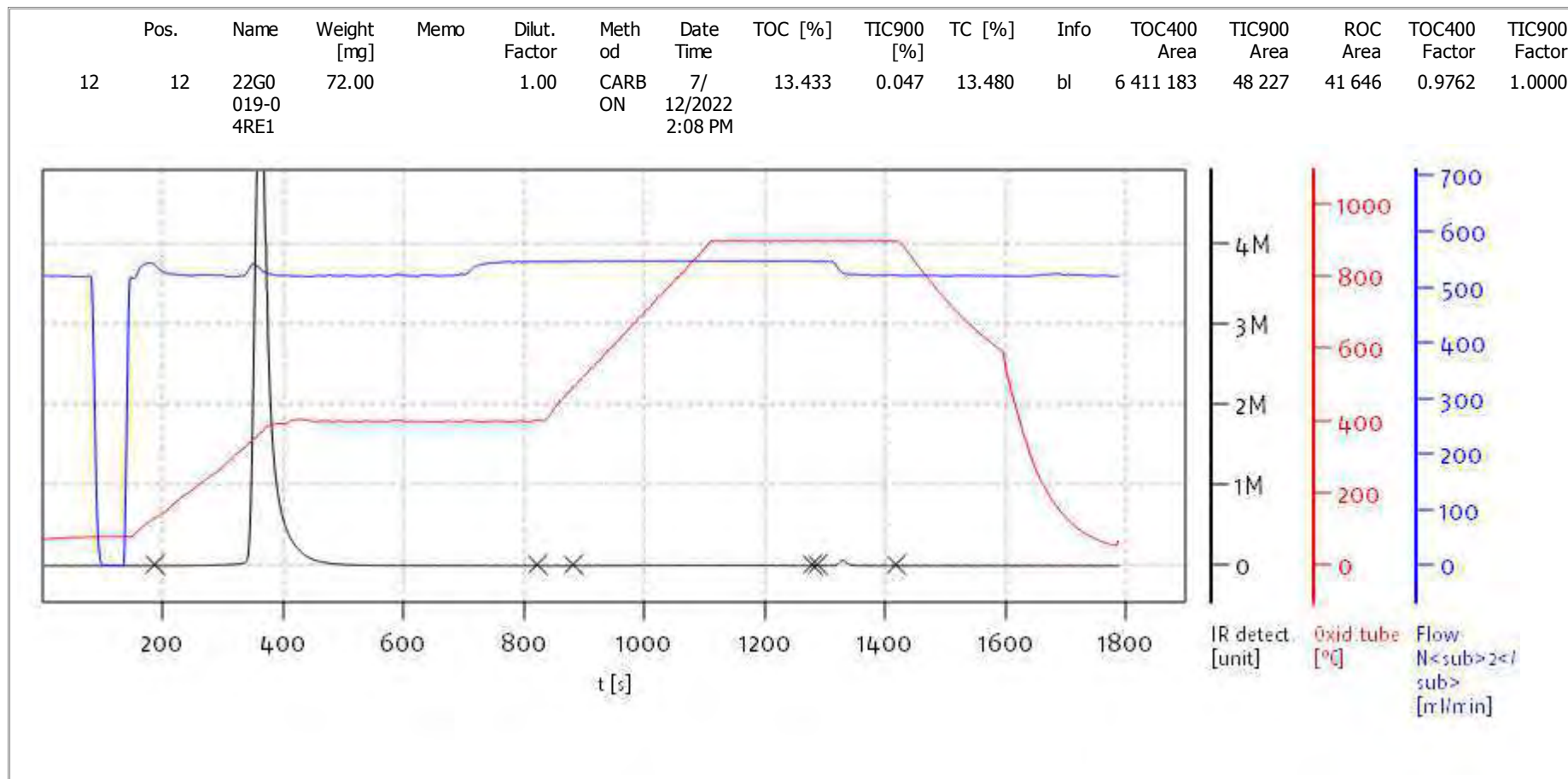
Date: Fri Jul 15 08:39:07 2022



solITOC V2.0.2 (31015f9) 2018-11-19
Serial No: 0300.181017
Mode CCC



Soli TOC Cube, Carbon
Balance: BAL3
Analyst: DOE



Name:

Access: solITOC superuser

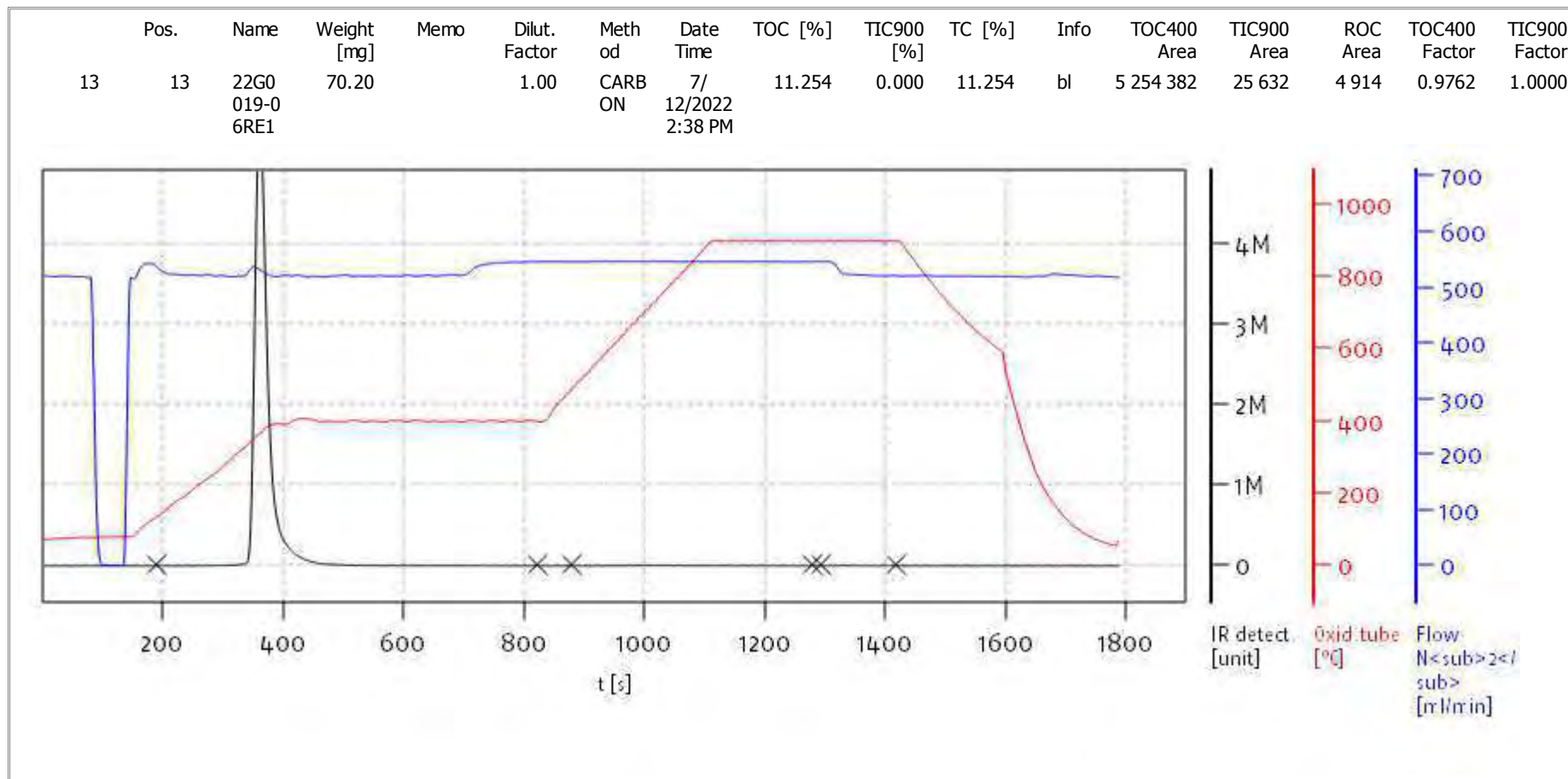
Date: Fri Jul 15 08:39:07 2022



solITOC V2.0.2 (31015f9) 2018-11-19
Serial No: 0300.181017
Mode CCC



Soli TOC Cube, Carbon
Balance: BAL3
Analyst: DOE



Name:

Access: solITOC superuser

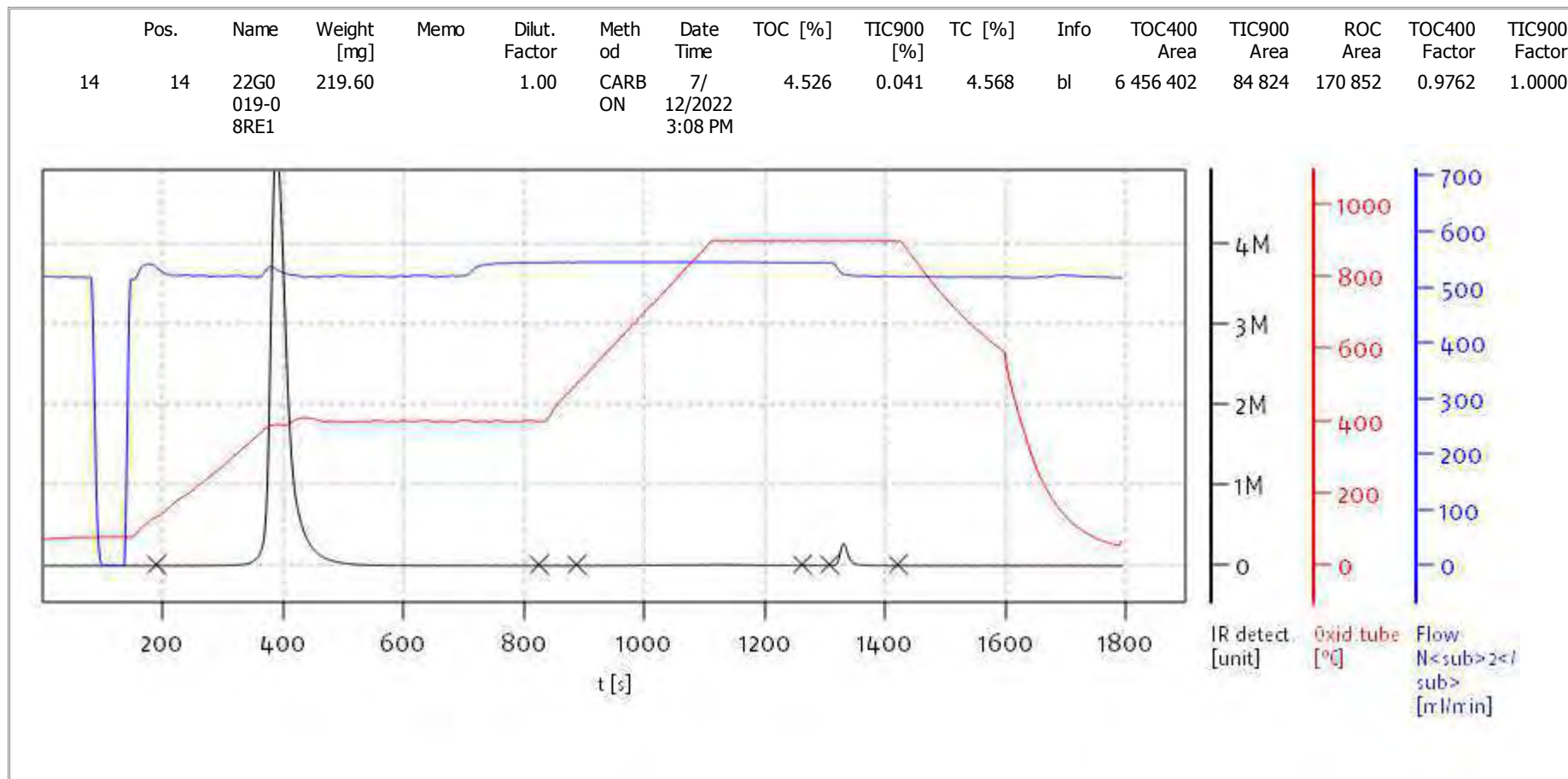
Date: Fri Jul 15 08:39:07 2022



solITOC V2.0.2 (31015f9) 2018-11-19
Serial No: 0300.181017
Mode CCC



Soli TOC Cube, Carbon
Balance: BAL3
Analyst: DOE



Name:

Access: solITOC superuser

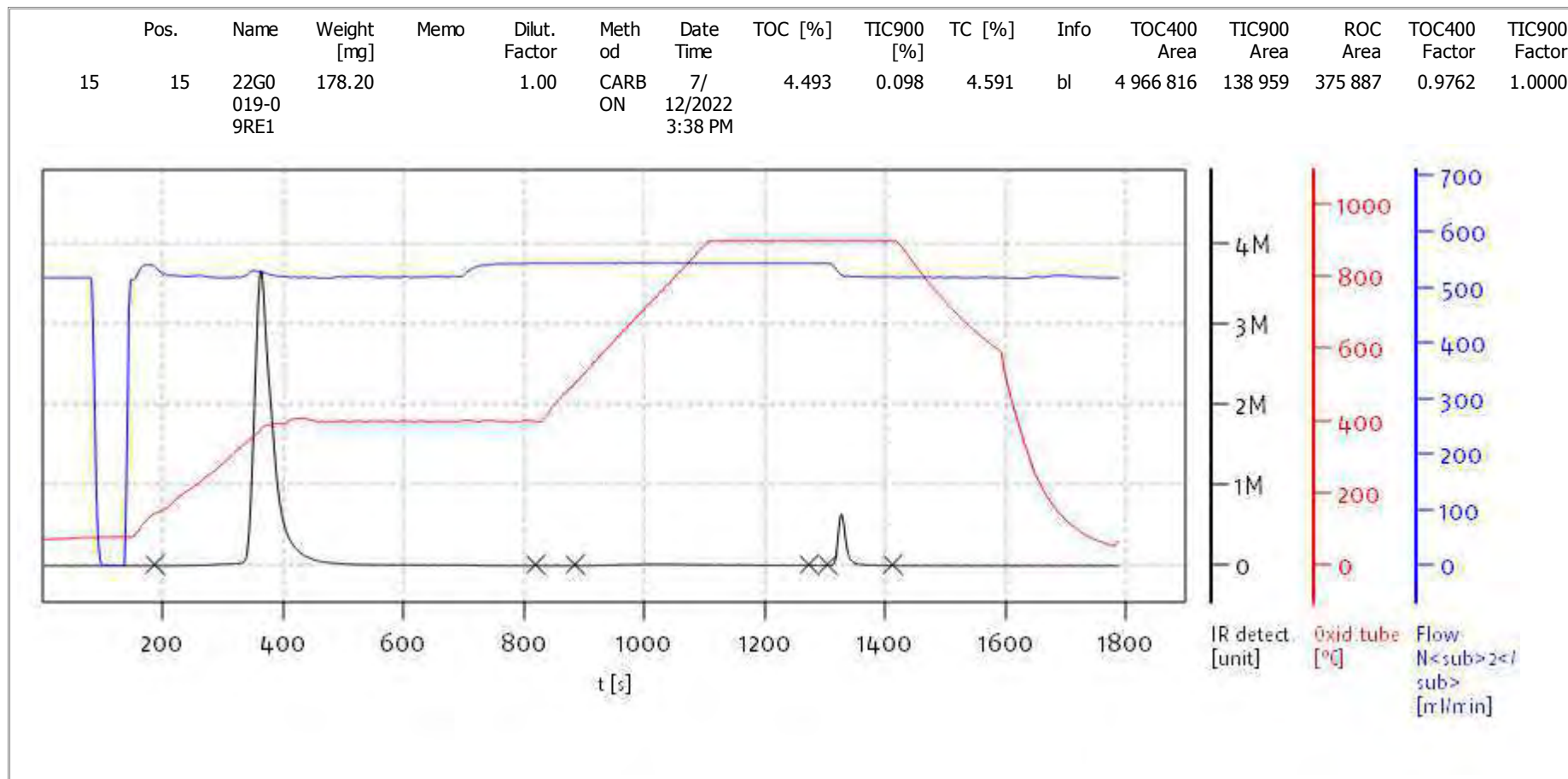
Date: Fri Jul 15 08:39:07 2022



solITOC V2.0.2 (31015f9) 2018-11-19
Serial No: 0300.181017
Mode CCC



Soli TOC Cube, Carbon
Balance: BAL3
Analyst: DOE



Name:

Access: solITOC superuser

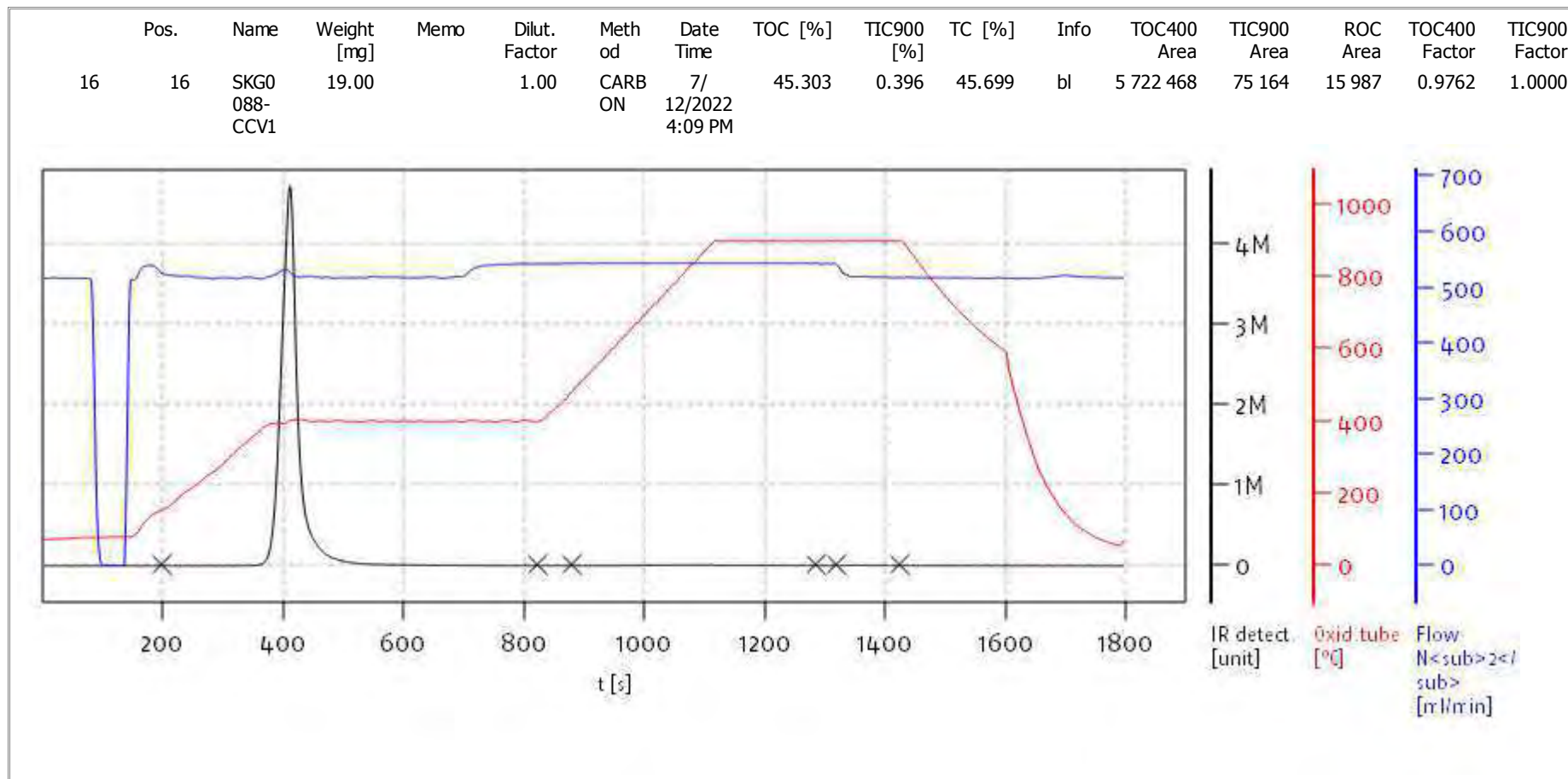
Date: Fri Jul 15 08:39:07 2022



solITOC V2.0.2 (31015f9) 2018-11-19
Serial No: 0300.181017
Mode CCC



Soli TOC Cube, Carbon
Balance: BAL3
Analyst: DOE



Name:

Access: solITOC superuser

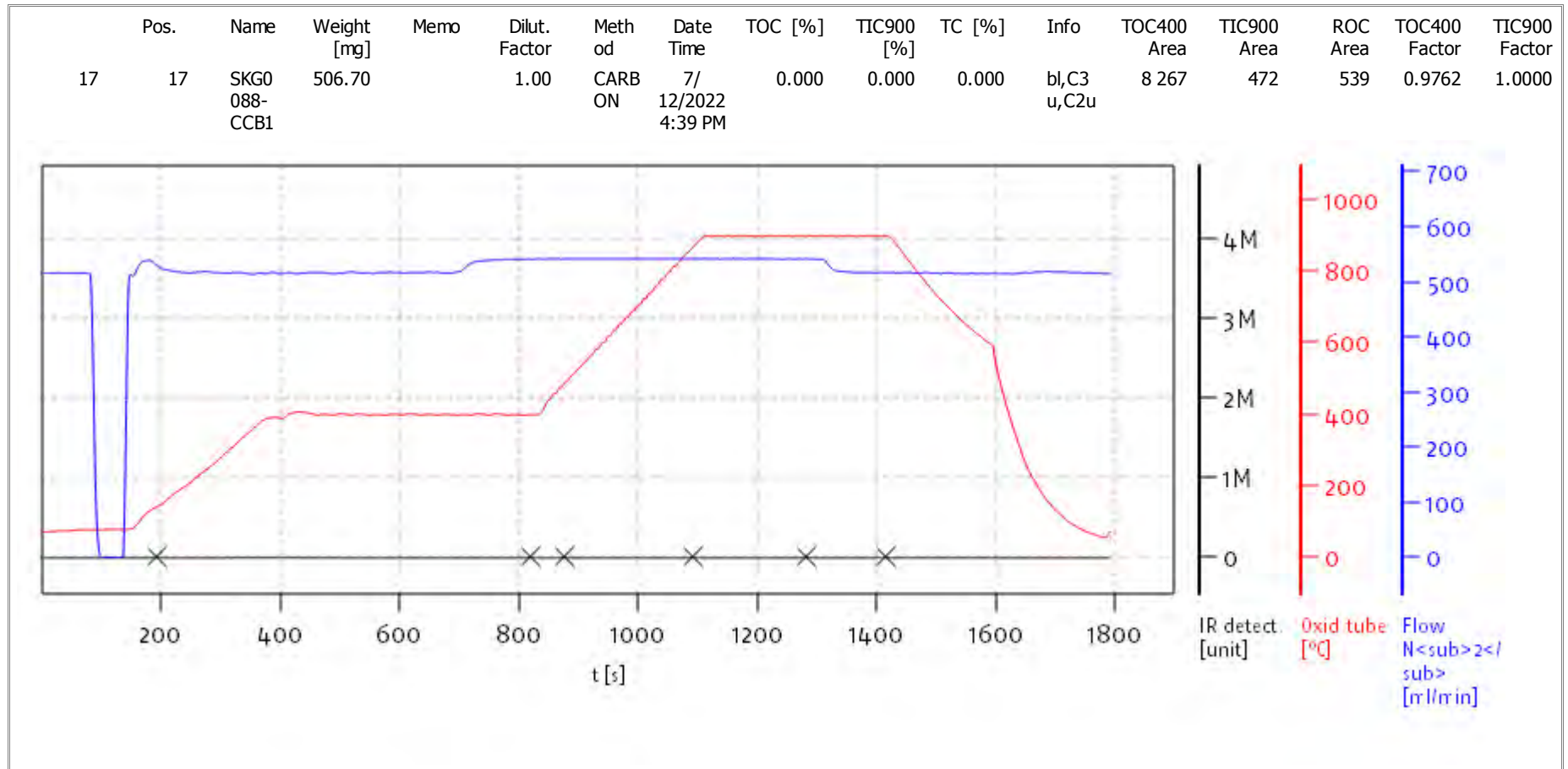
Date: Fri Jul 15 08:39:07 2022



solITOC V2.0.2 (31015f9) 2018-11-19
Serial No: 0300.181017
Mode CCC



Soli TOC Cube, Carbon
Balance: BAL3
Analyst: DOE



Name:

Access: solITOC superuser

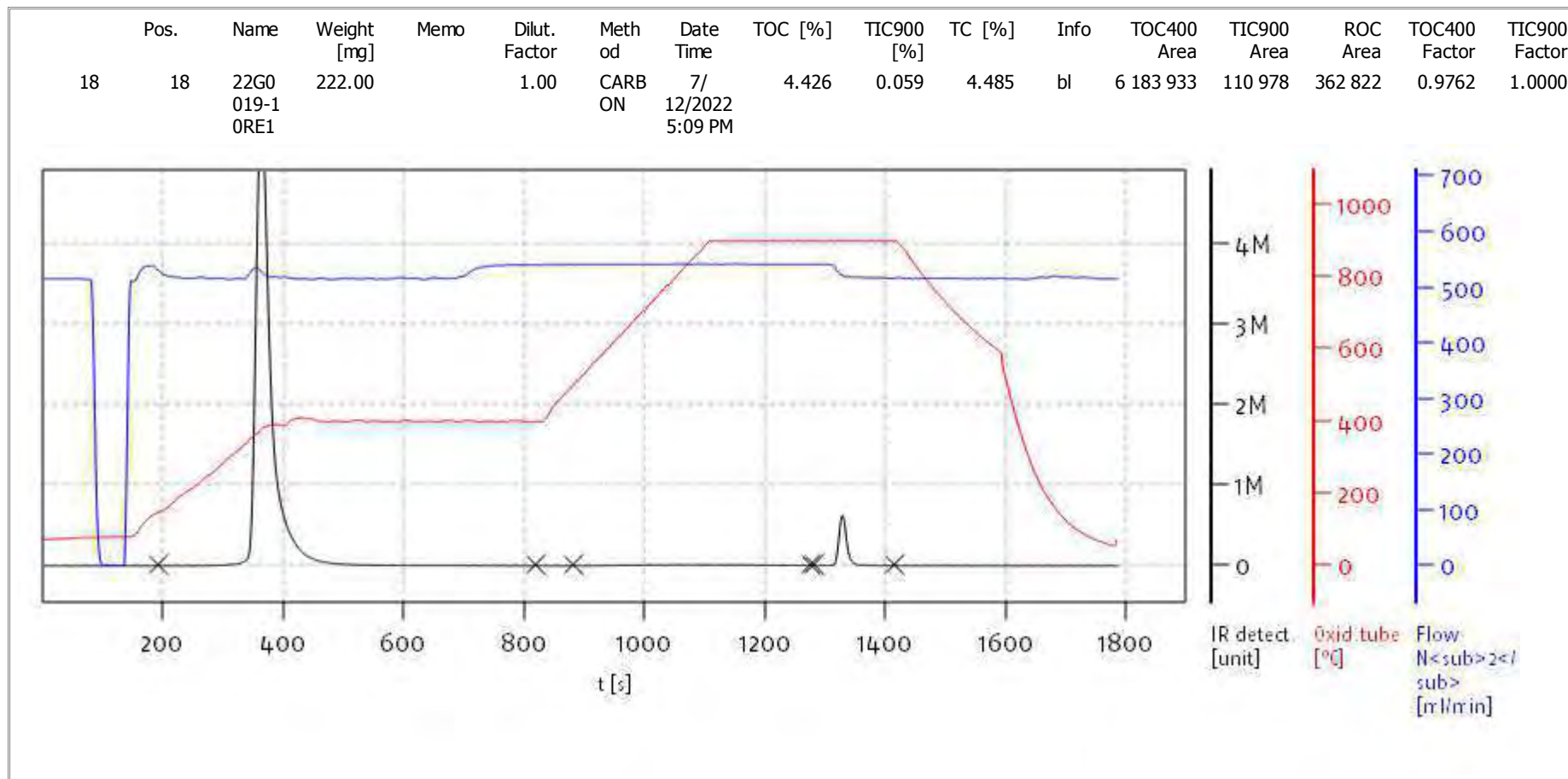
Date: Fri Jul 15 08:39:07 2022



solITOC V2.0.2 (31015f9) 2018-11-19
Serial No: 0300.181017
Mode CCC



Soli TOC Cube, Carbon
Balance: BAL3
Analyst: DOE



Name:

Access: solITOC superuser

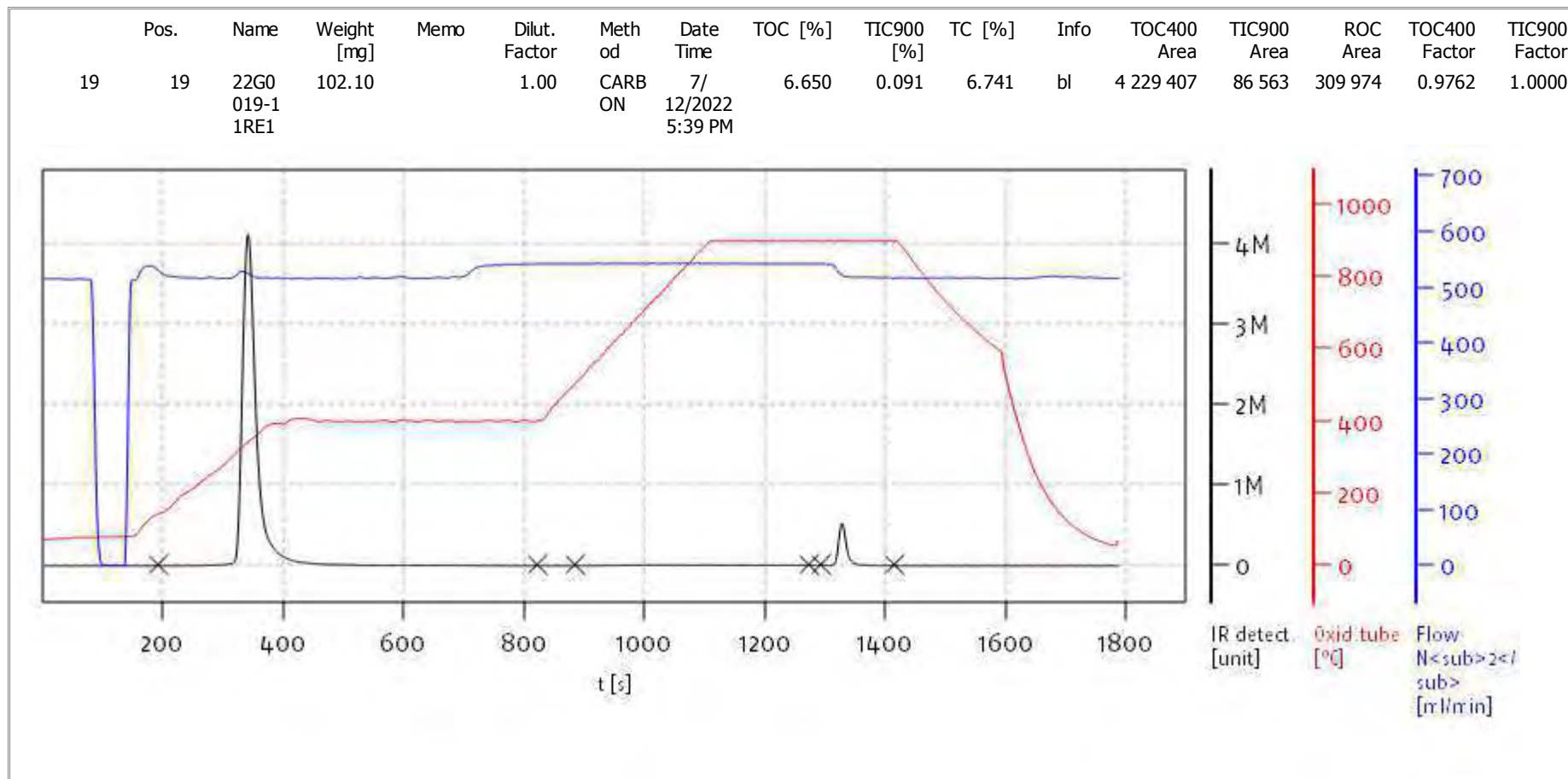
Date: Fri Jul 15 08:39:07 2022



solITOC V2.0.2 (31015f9) 2018-11-19
Serial No: 0300.181017
Mode CCC



Soli TOC Cube, Carbon
Balance: BAL3
Analyst: DOE



Name:

Access: solITOC superuser

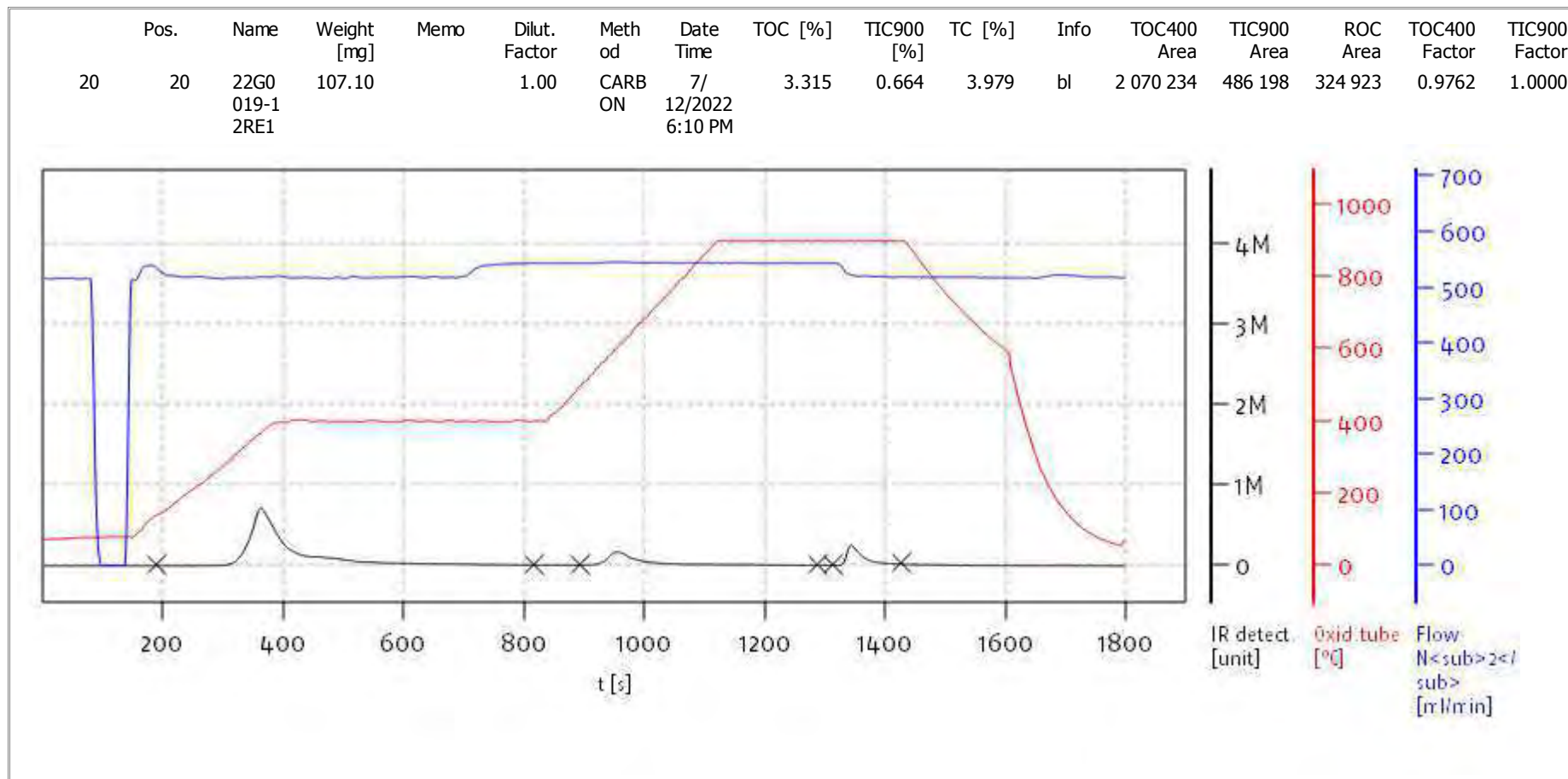
Date: Fri Jul 15 08:39:07 2022



solITOC V2.0.2 (31015f9) 2018-11-19
Serial No: 0300.181017
Mode CCC



Soli TOC Cube, Carbon
Balance: BAL3
Analyst: DOE



Name:

Access: solITOC superuser

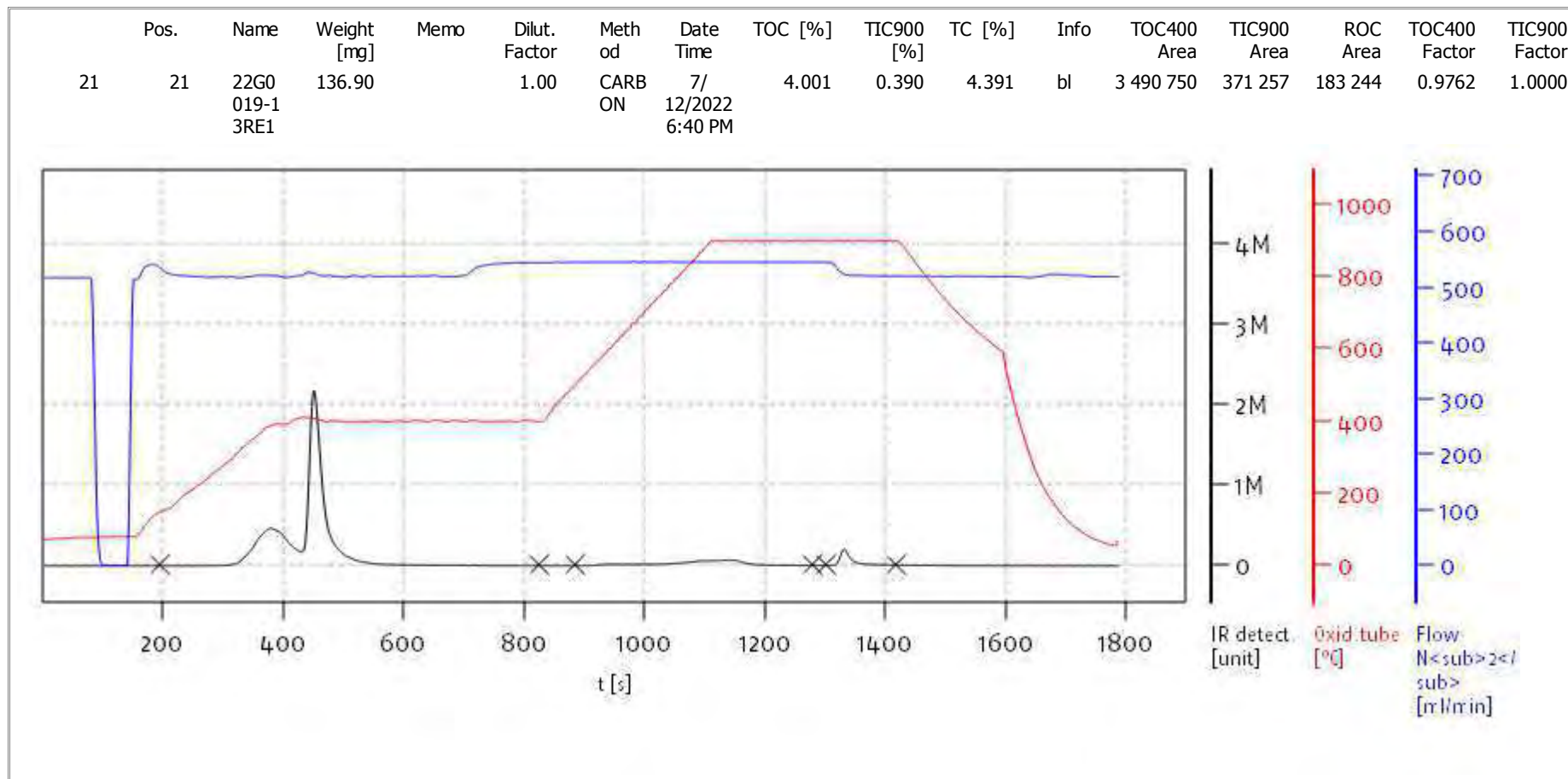
Date: Fri Jul 15 08:39:07 2022



solITOC V2.0.2 (31015f9) 2018-11-19
Serial No: 0300.181017
Mode CCC



Soli TOC Cube, Carbon
Balance: BAL3
Analyst: DOE



Name:

Access: solITOC superuser

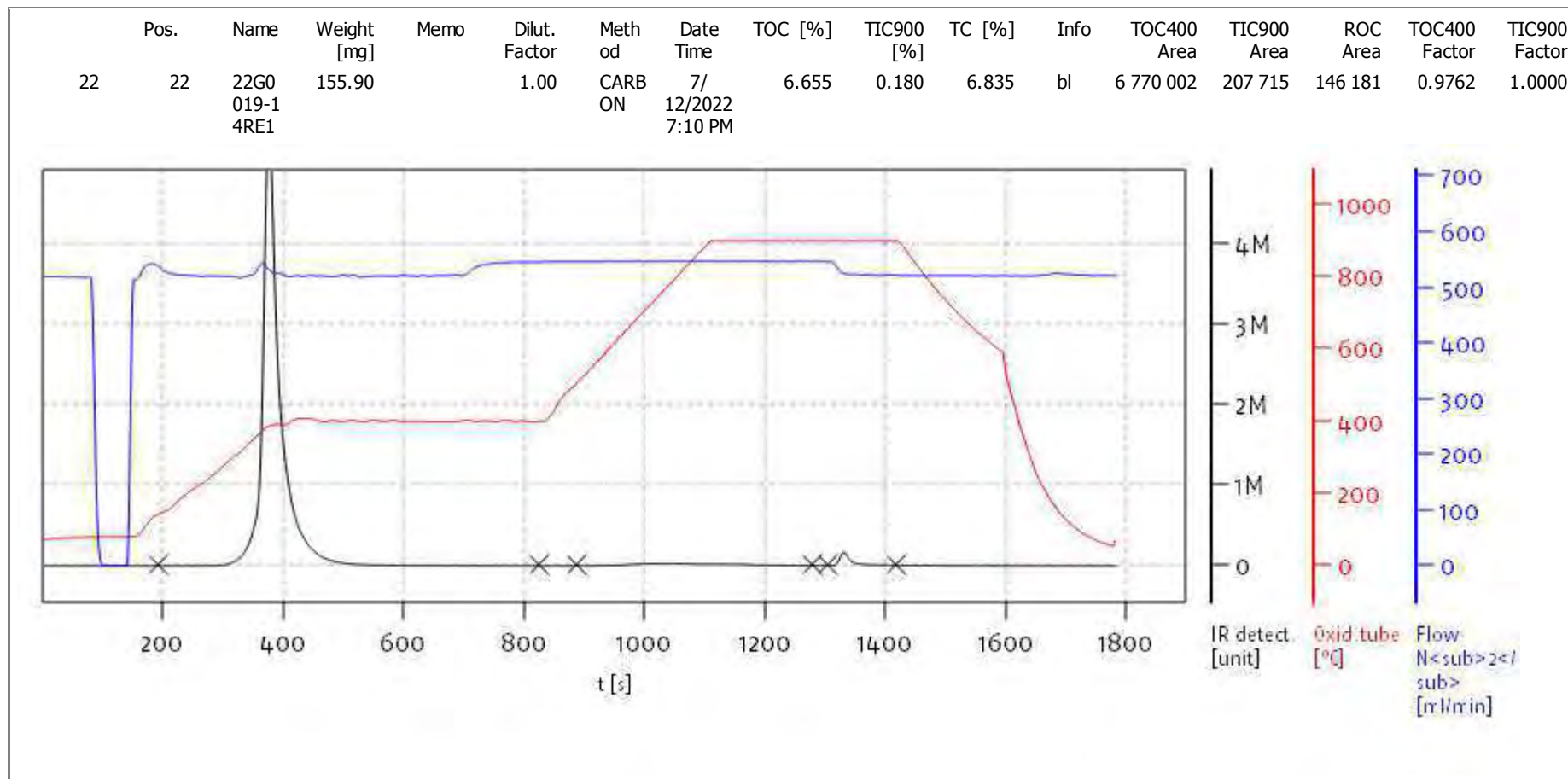
Date: Fri Jul 15 08:39:07 2022



solITOC V2.0.2 (31015f9) 2018-11-19
Serial No: 0300.181017
Mode CCC



Soli TOC Cube, Carbon
Balance: BAL3
Analyst: DOE



Name:

Access: solITOC superuser

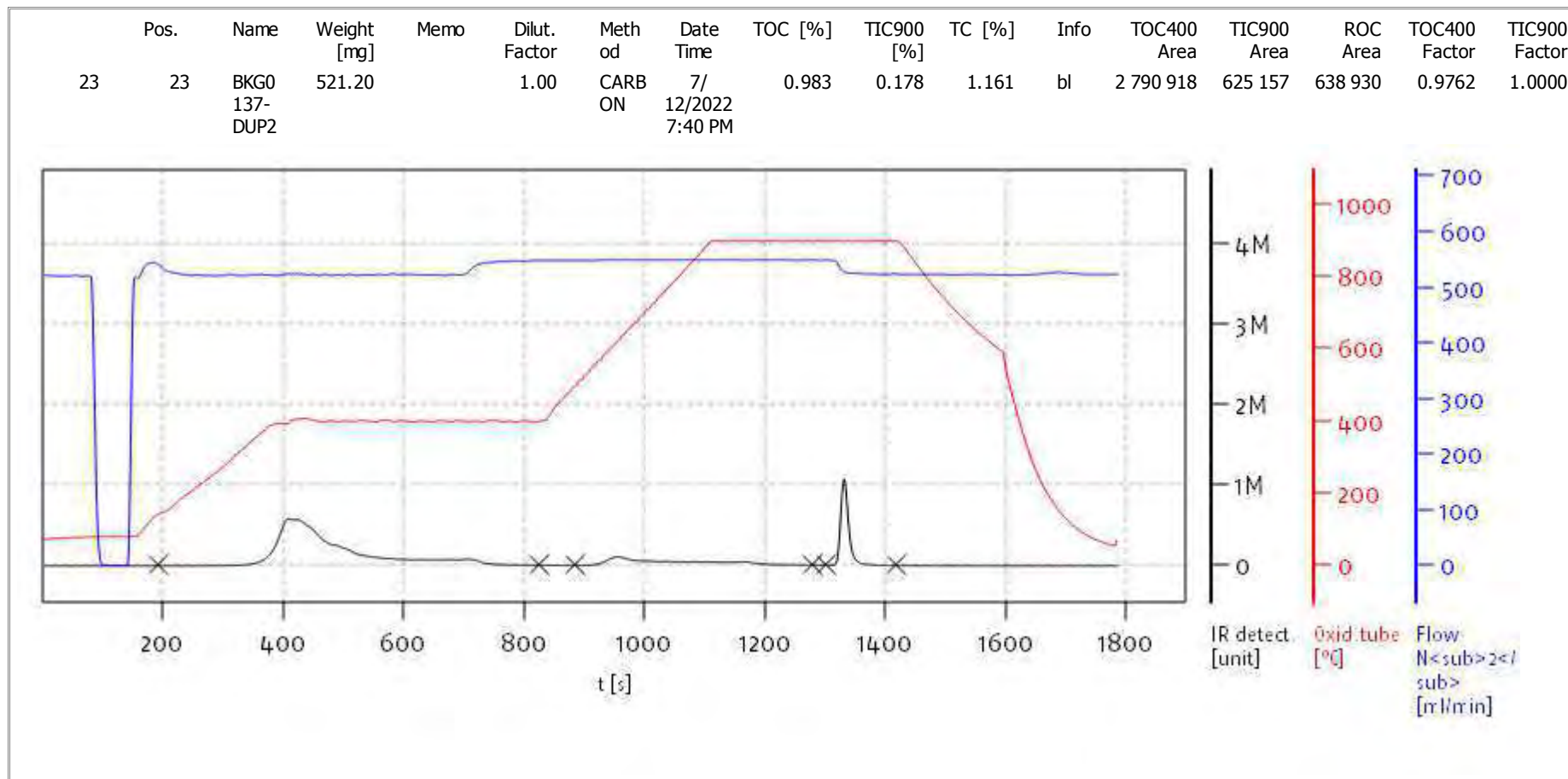
Date: Fri Jul 15 08:39:07 2022



solITOC V2.0.2 (31015f9) 2018-11-19
Serial No: 0300.181017
Mode CCC



Soli TOC Cube, Carbon
Balance: BAL3
Analyst: DOE



Name:

Access: solITOC superuser

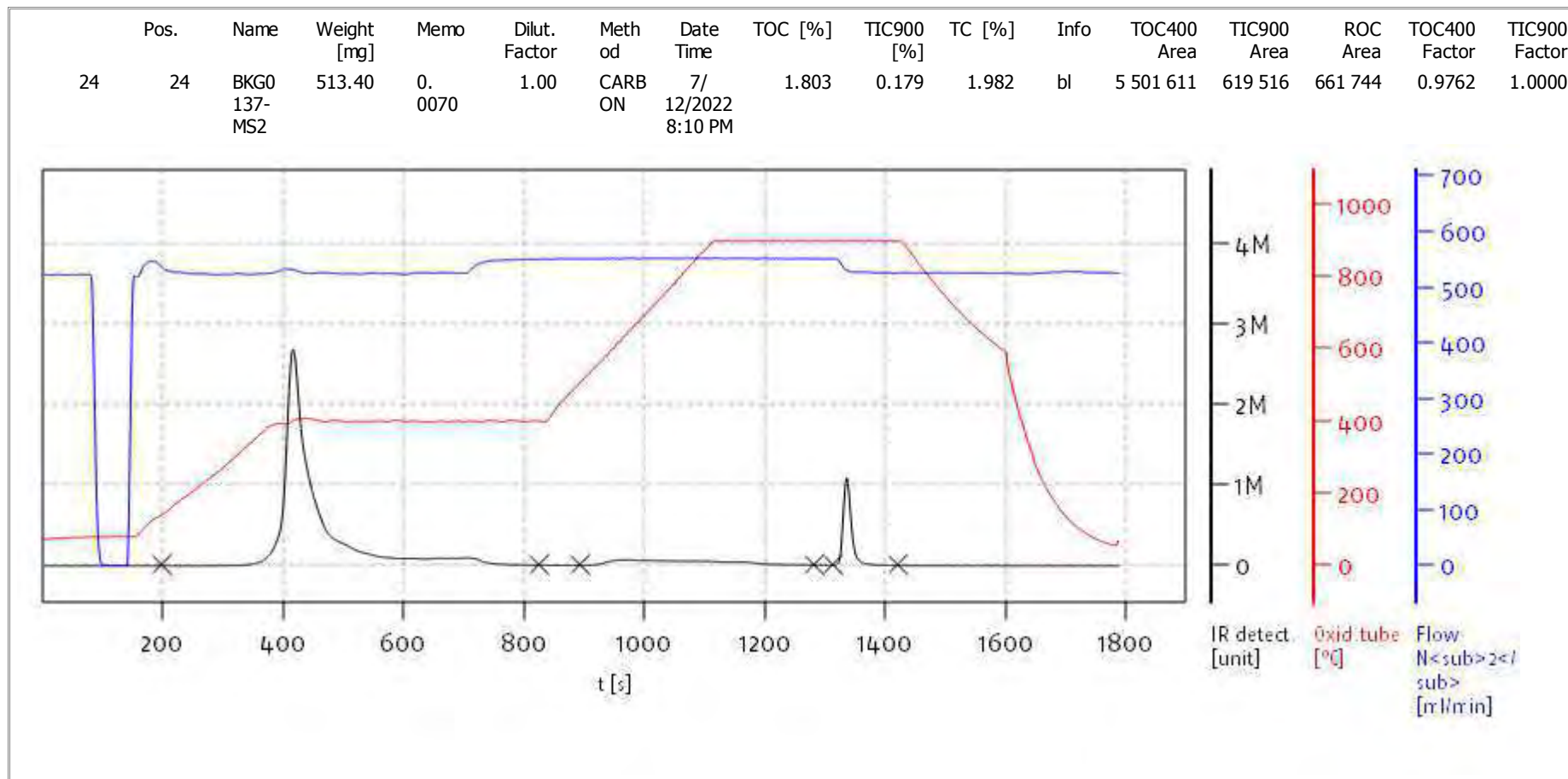
Date: Fri Jul 15 08:39:07 2022



solITOC V2.0.2 (31015f9) 2018-11-19
Serial No: 0300.181017
Mode CCC



Soli TOC Cube, Carbon
Balance: BAL3
Analyst: DOE



Name:

Access: solITOC superuser

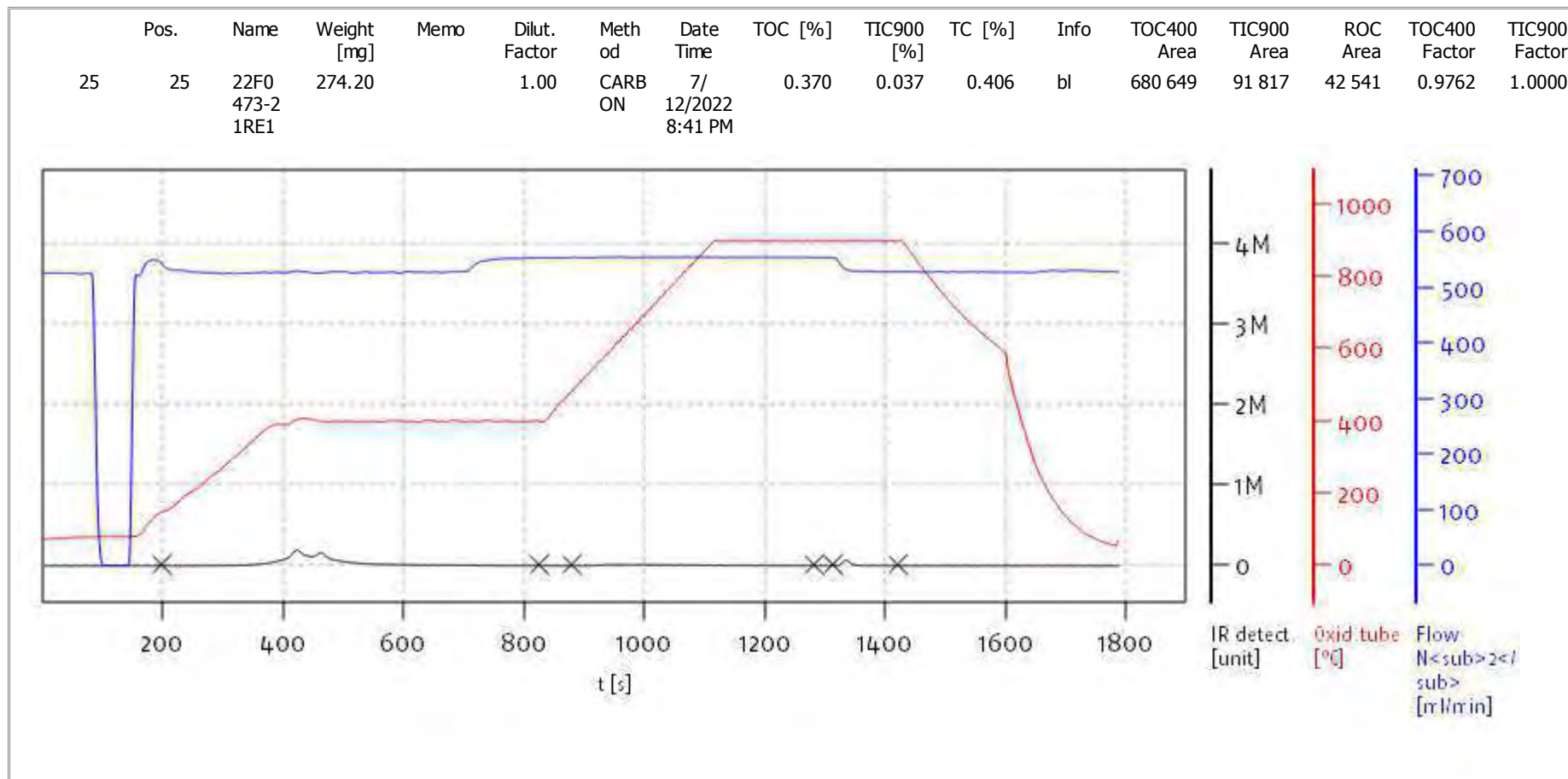
Date: Fri Jul 15 08:39:07 2022



solITOC V2.0.2 (31015f9) 2018-11-19
Serial No: 0300.181017
Mode CCC



Soli TOC Cube, Carbon
Balance: BAL3
Analyst: DOE



Name:

Access: solITOC superuser

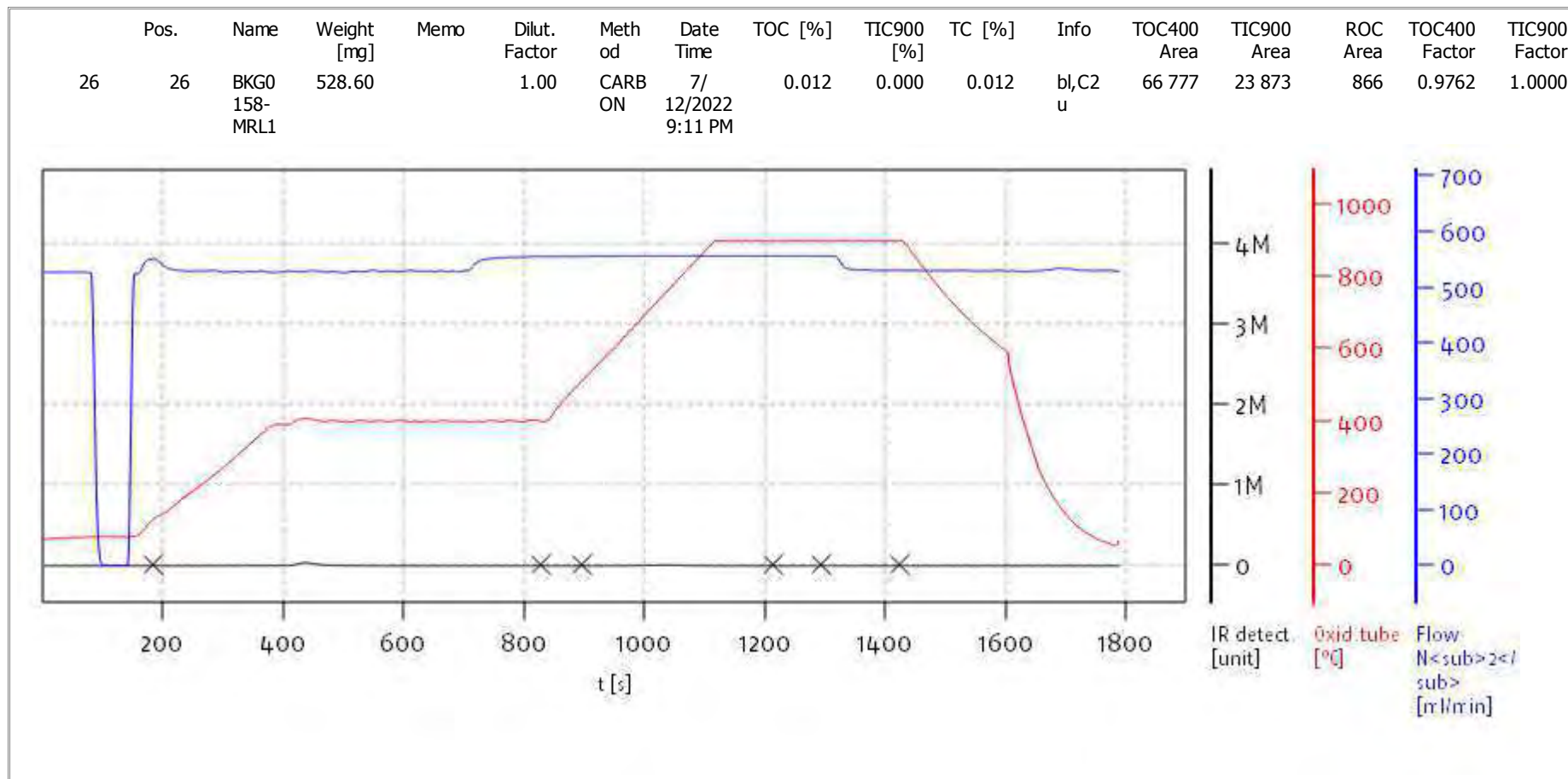
Date: Fri Jul 15 08:39:07 2022



solITOC V2.0.2 (31015f9) 2018-11-19
Serial No: 0300.181017
Mode CCC



Soli TOC Cube, Carbon
Balance: BAL3
Analyst: DOE



Name:

Access: solITOC superuser

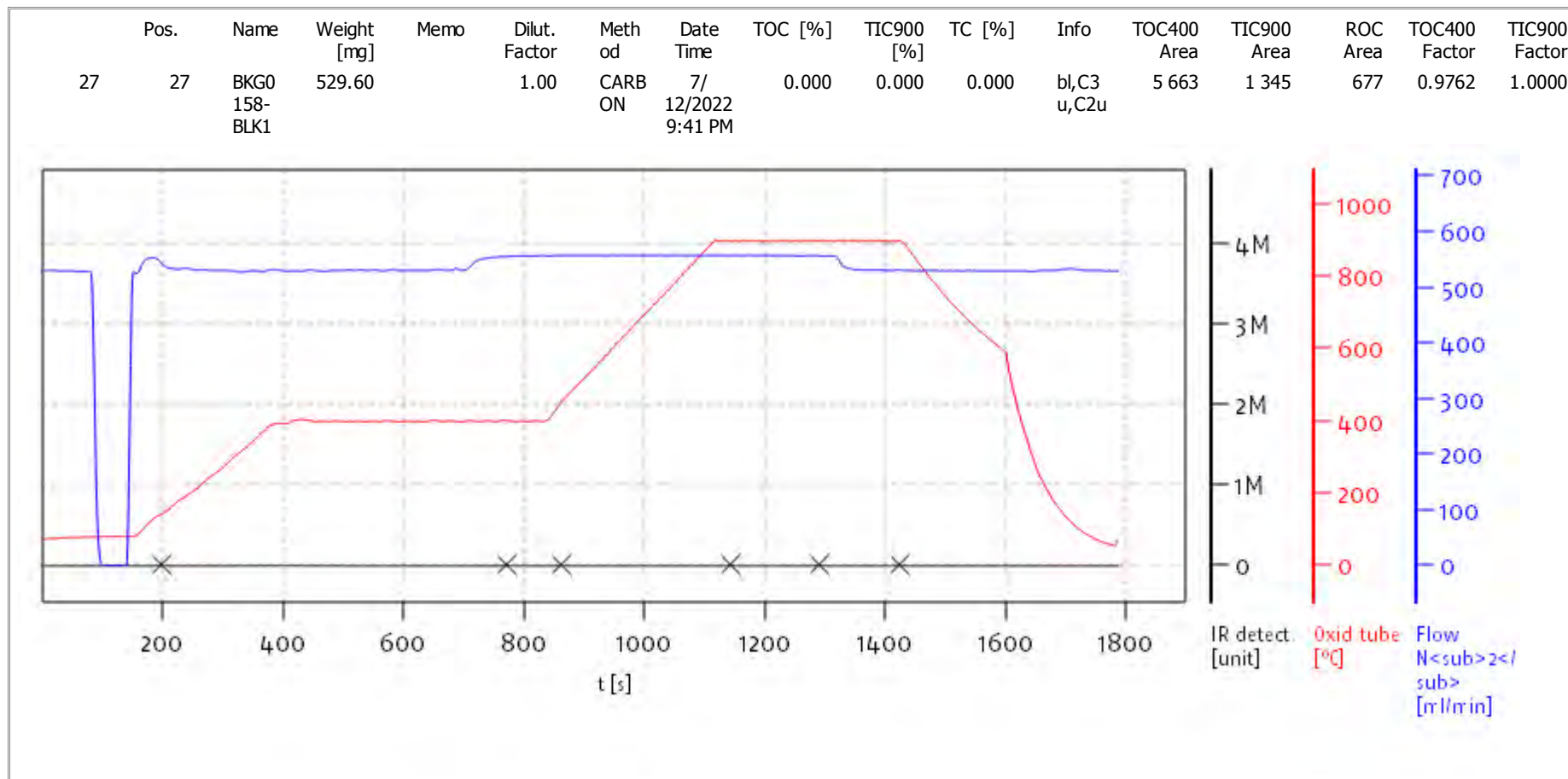
Date: Fri Jul 15 08:39:07 2022



solITOC V2.0.2 (31015f9) 2018-11-19
Serial No: 0300.181017
Mode CCC



Soli TOC Cube, Carbon
Balance: BAL3
Analyst: DOE



Name:

Access: solITOC superuser

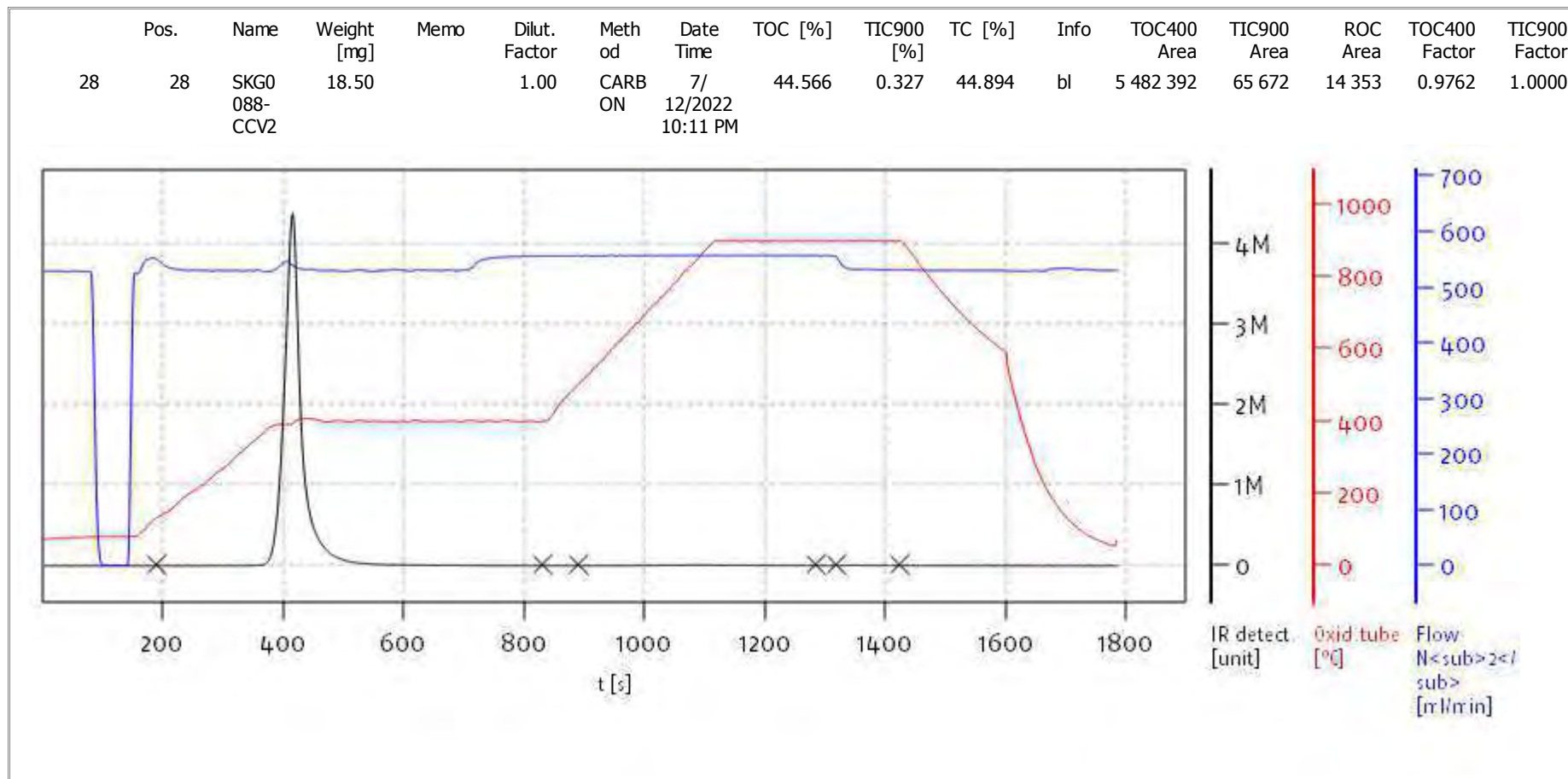
Date: Fri Jul 15 08:39:07 2022



solITOC V2.0.2 (31015f9) 2018-11-19
Serial No: 0300.181017
Mode CCC



Soli TOC Cube, Carbon
Balance: BAL3
Analyst: DOE



Name:

Access: solITOC superuser

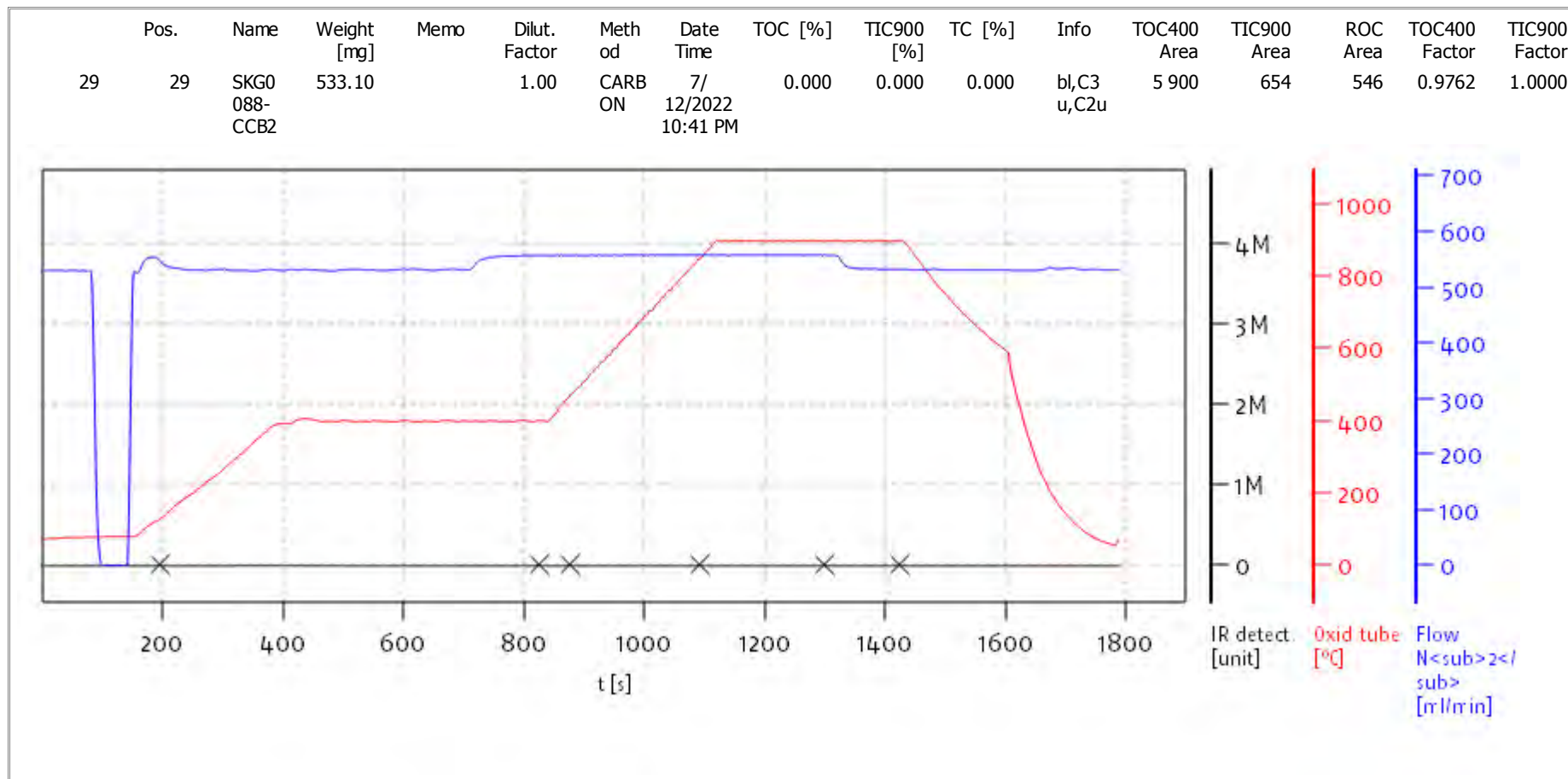
Date: Fri Jul 15 08:39:07 2022



solITOC V2.0.2 (31015f9) 2018-11-19
Serial No: 0300.181017
Mode CCC



Soli TOC Cube, Carbon
Balance: BAL3
Analyst: DOE



Name:

Access: solITOC superuser

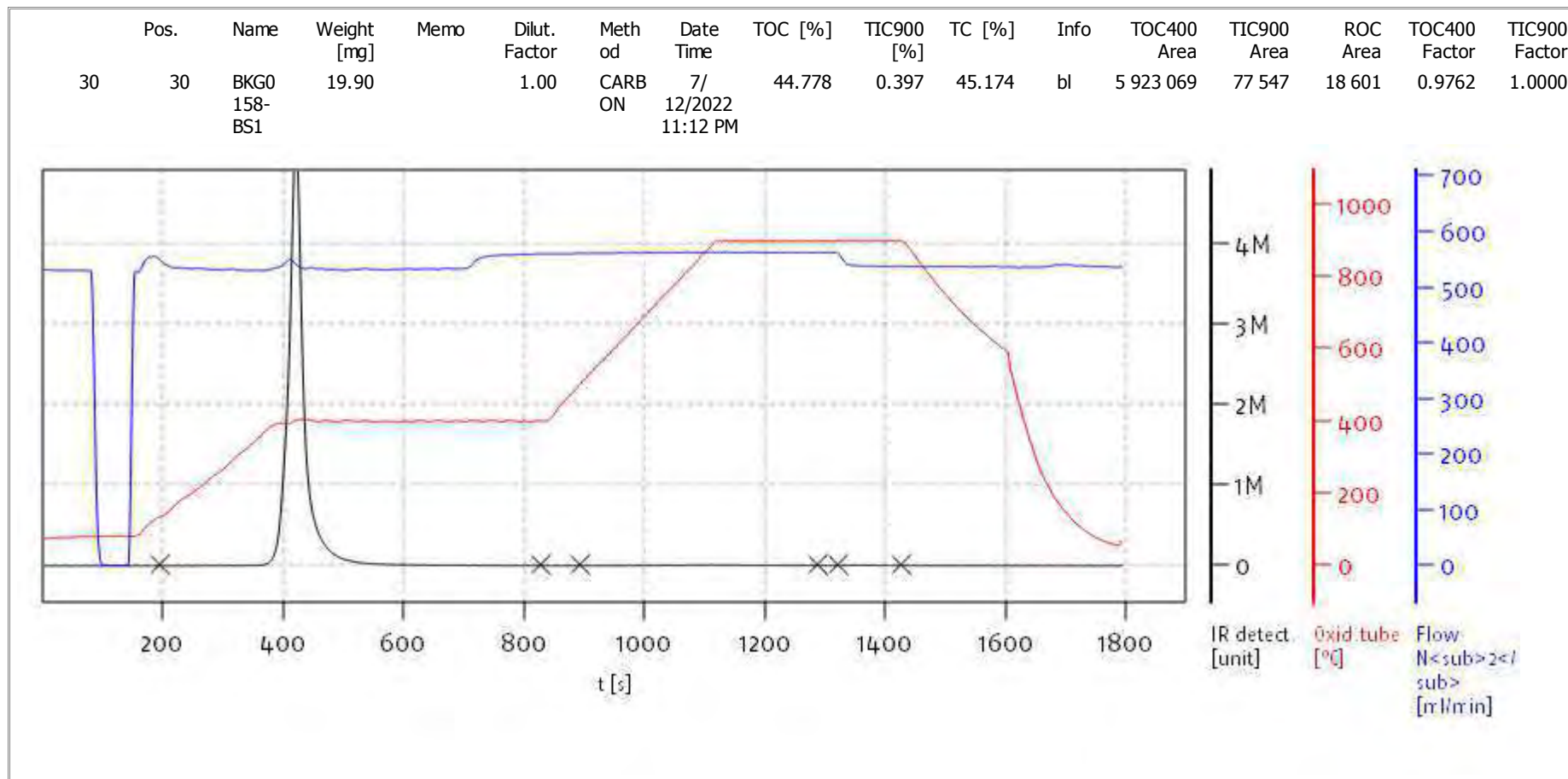
Date: Fri Jul 15 08:39:07 2022



solITOC V2.0.2 (31015f9) 2018-11-19
Serial No: 0300.181017
Mode CCC



Soli TOC Cube, Carbon
Balance: BAL3
Analyst: DOE



Name:

Access: solITOC superuser

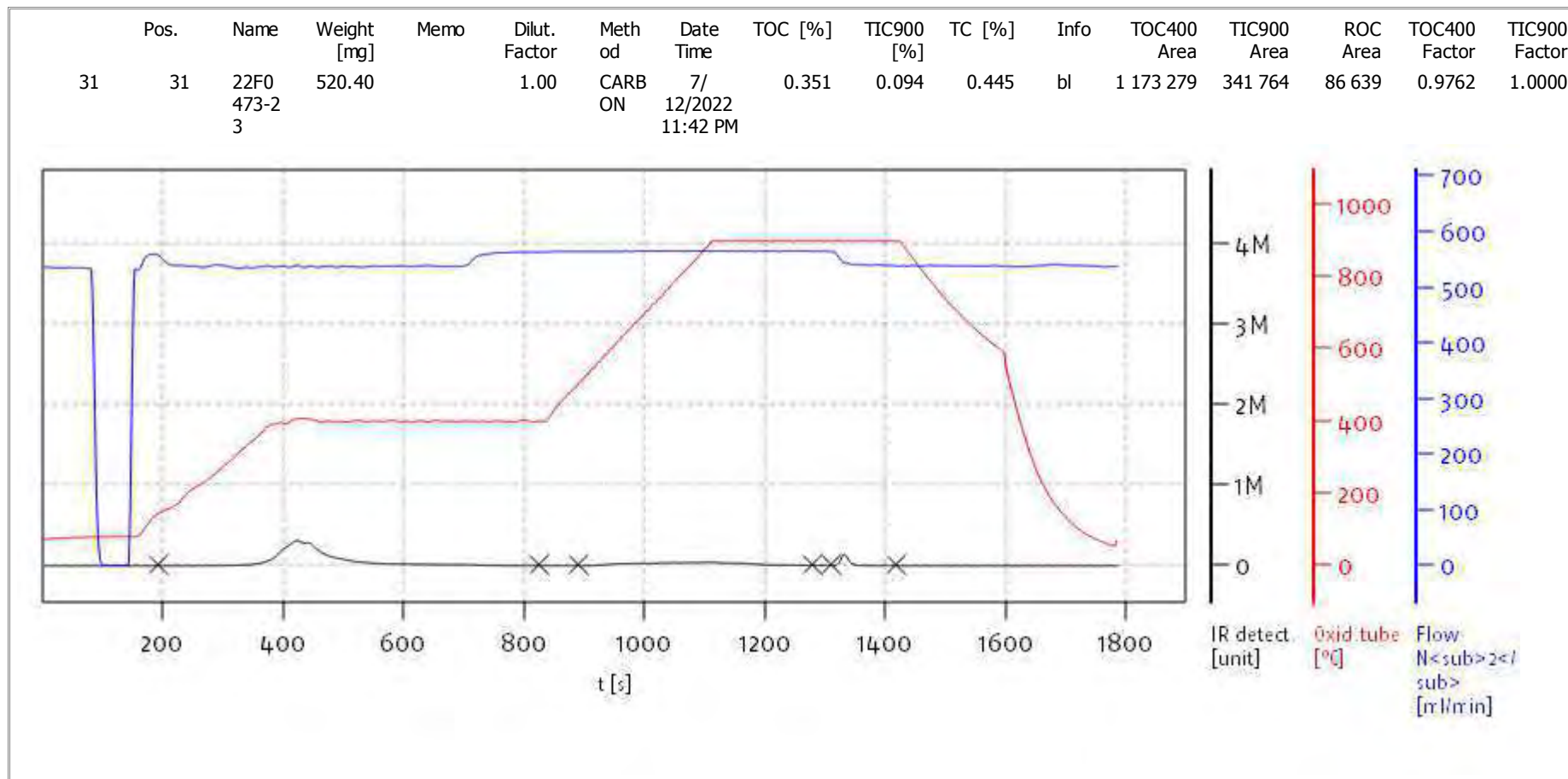
Date: Fri Jul 15 08:39:07 2022



solITOC V2.0.2 (31015f9) 2018-11-19
Serial No: 0300.181017
Mode CCC



Soli TOC Cube, Carbon
Balance: BAL3
Analyst: DOE



Name:

Access: solITOC superuser

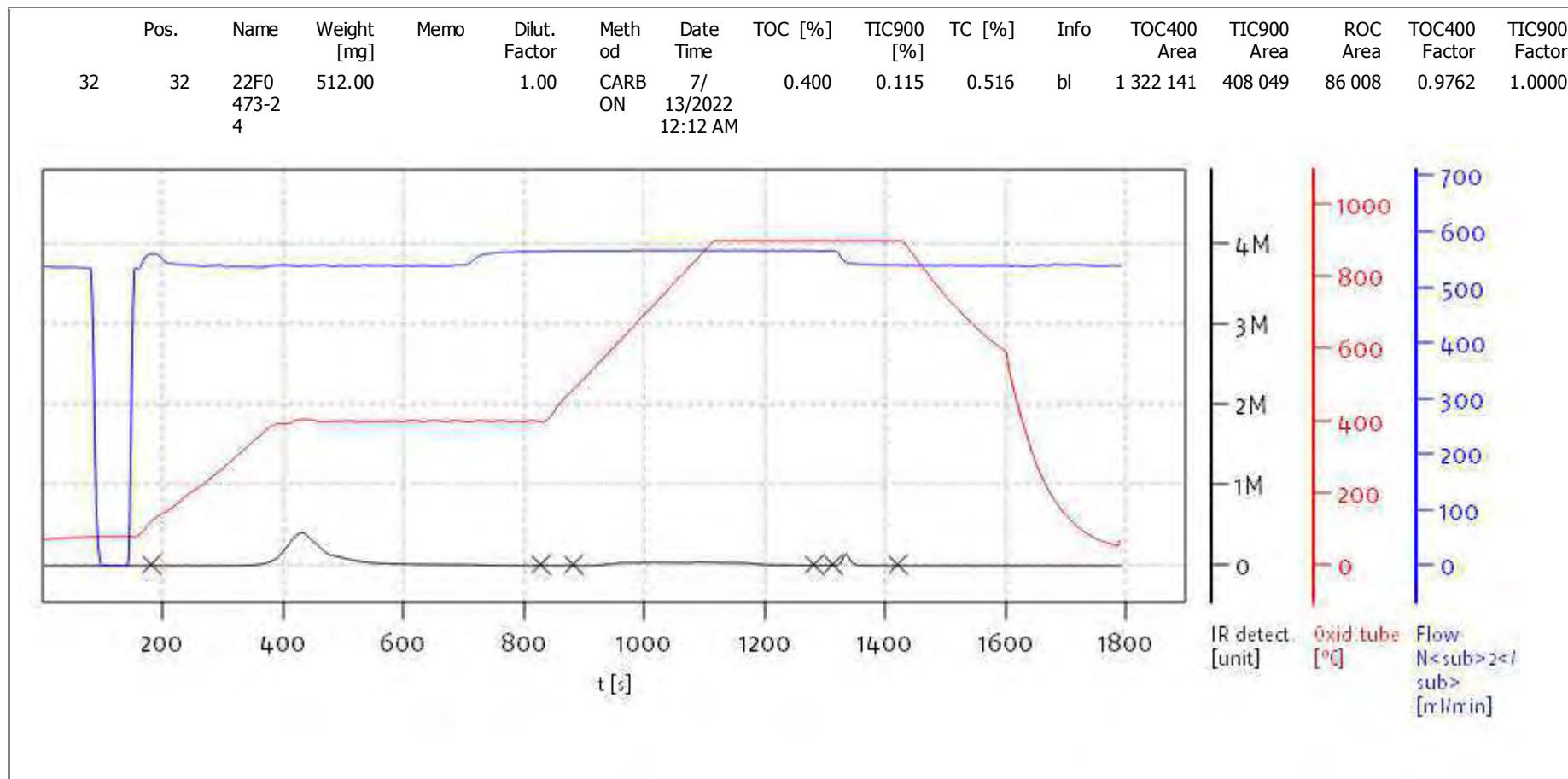
Date: Fri Jul 15 08:39:07 2022



solITOC V2.0.2 (31015f9) 2018-11-19
Serial No: 0300.181017
Mode CCC



Soli TOC Cube, Carbon
Balance: BAL3
Analyst: DOE



Name:

Access: solITOC superuser

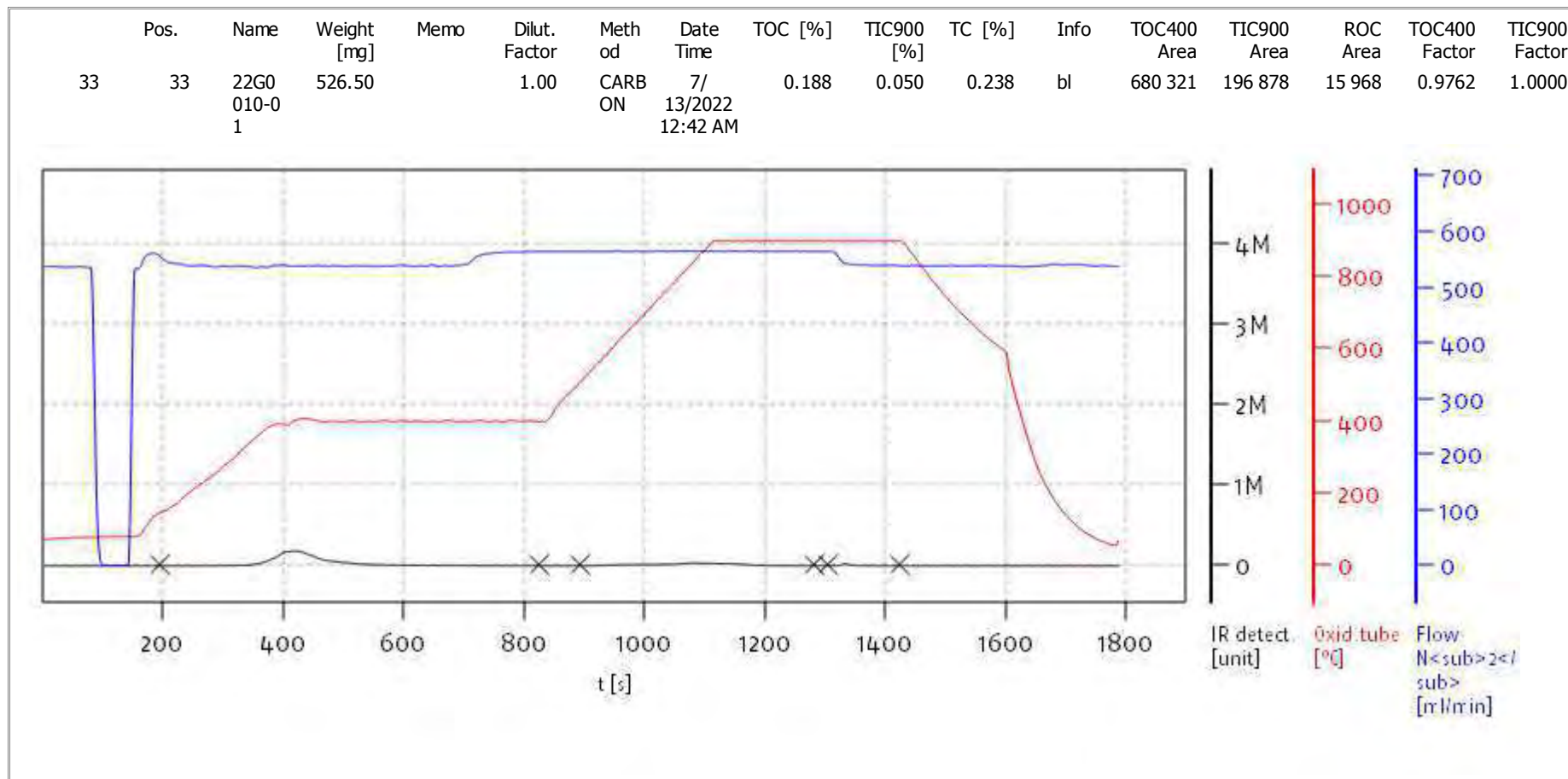
Date: Fri Jul 15 08:39:07 2022



solITOC V2.0.2 (31015f9) 2018-11-19
Serial No: 0300.181017
Mode CCC



Soli TOC Cube, Carbon
Balance: BAL3
Analyst: DOE



Name:

Access: solITOC superuser

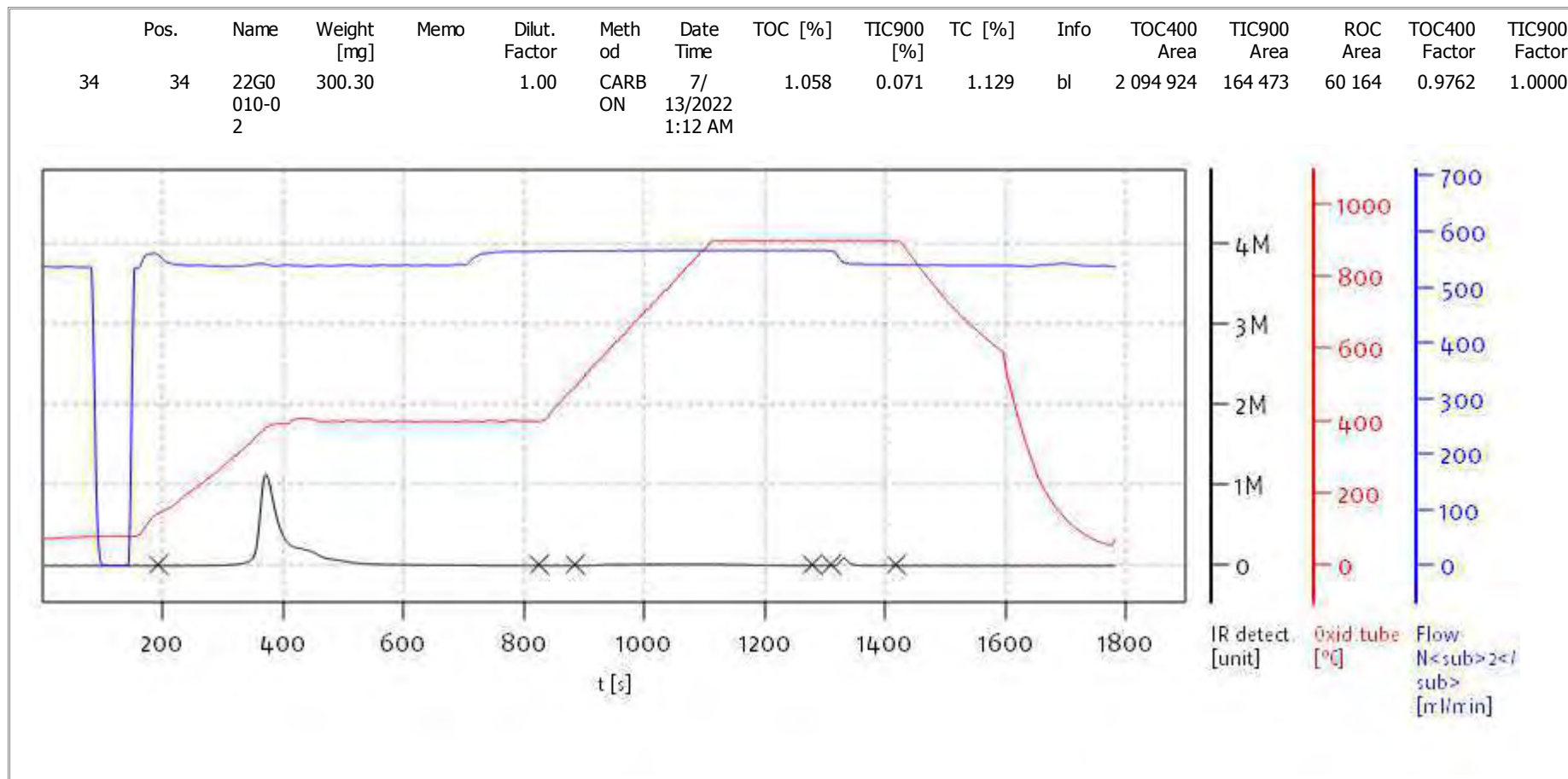
Date: Fri Jul 15 08:39:07 2022



solITOC V2.0.2 (31015f9) 2018-11-19
Serial No: 0300.181017
Mode CCC



Soli TOC Cube, Carbon
Balance: BAL3
Analyst: DOE



Name:

Access: solITOC superuser

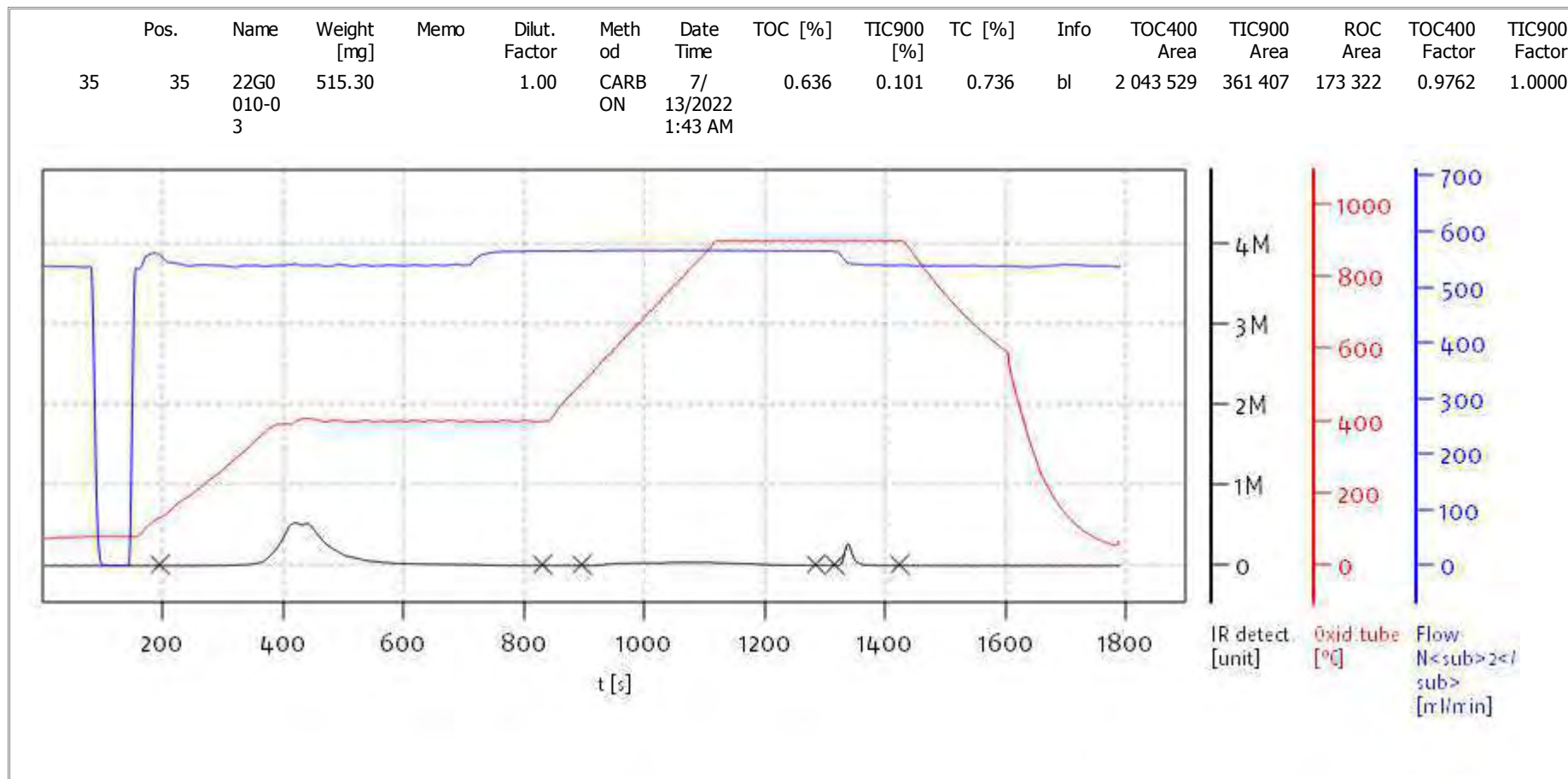
Date: Fri Jul 15 08:39:07 2022



solITOC V2.0.2 (31015f9) 2018-11-19
Serial No: 0300.18107
Mode CCC



Soli TOC Cube, Carbon
Balance: BAL3
Analyst: DOE



Name:

Access: solITOC superuser

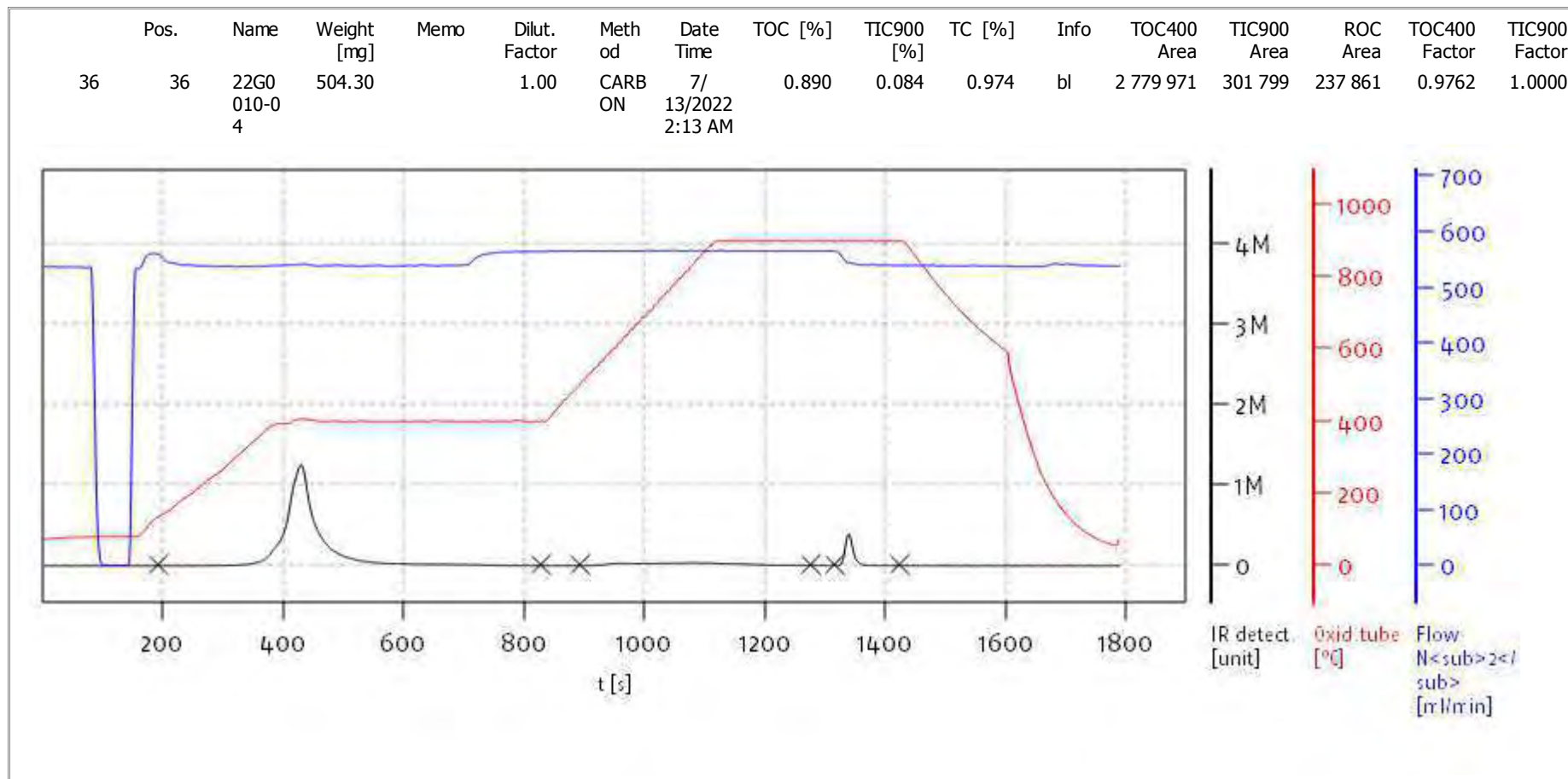
Date: Fri Jul 15 08:39:07 2022



solITOC V2.0.2 (31015f9) 2018-11-19
Serial No: 0300.181017
Mode CCC



Soli TOC Cube, Carbon
Balance: BAL3
Analyst: DOE



Name:

Access: solITOC superuser

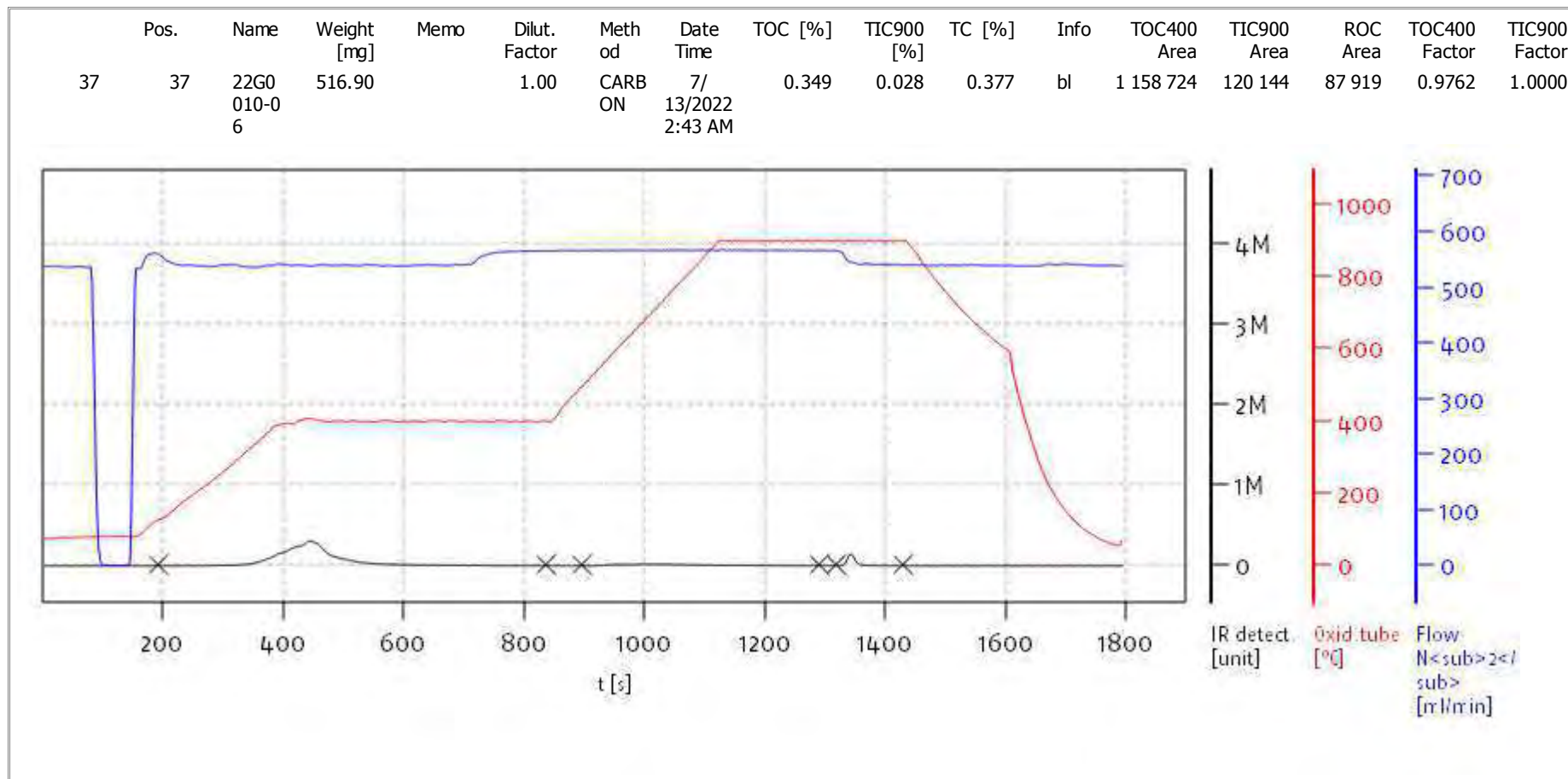
Date: Fri Jul 15 08:39:07 2022



solITOC V2.0.2 (31015f9) 2018-11-19
Serial No: 0300.181017
Mode CCC



Soli TOC Cube, Carbon
Balance: BAL3
Analyst: DOE



Name:

Access: solITOC superuser

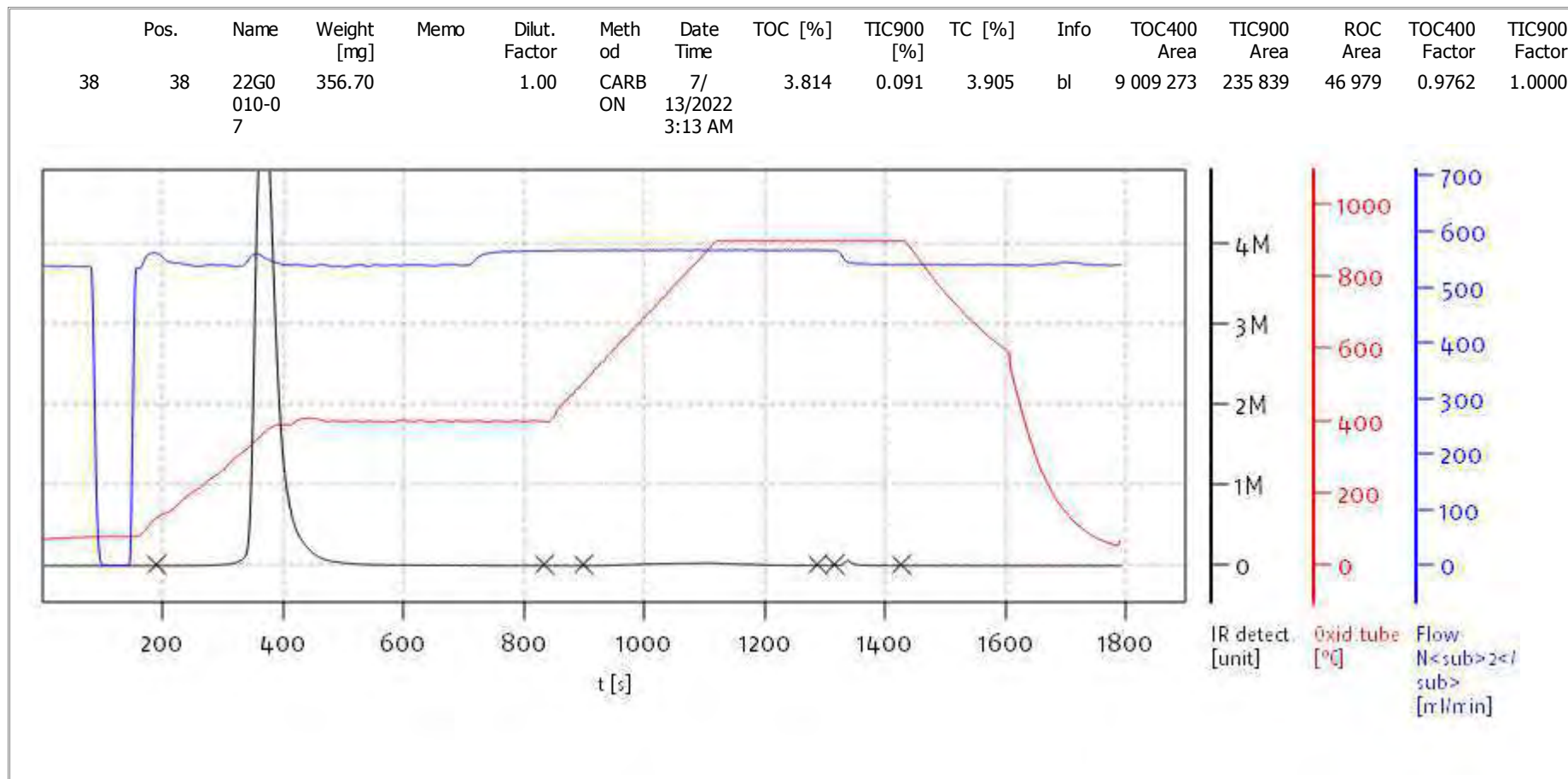
Date: Fri Jul 15 08:39:07 2022



solITOC V2.0.2 (31015f9) 2018-11-19
Serial No: 0300.181017
Mode CCC



Soli TOC Cube, Carbon
Balance: BAL3
Analyst: DOE



Name:

Access: solITOC superuser

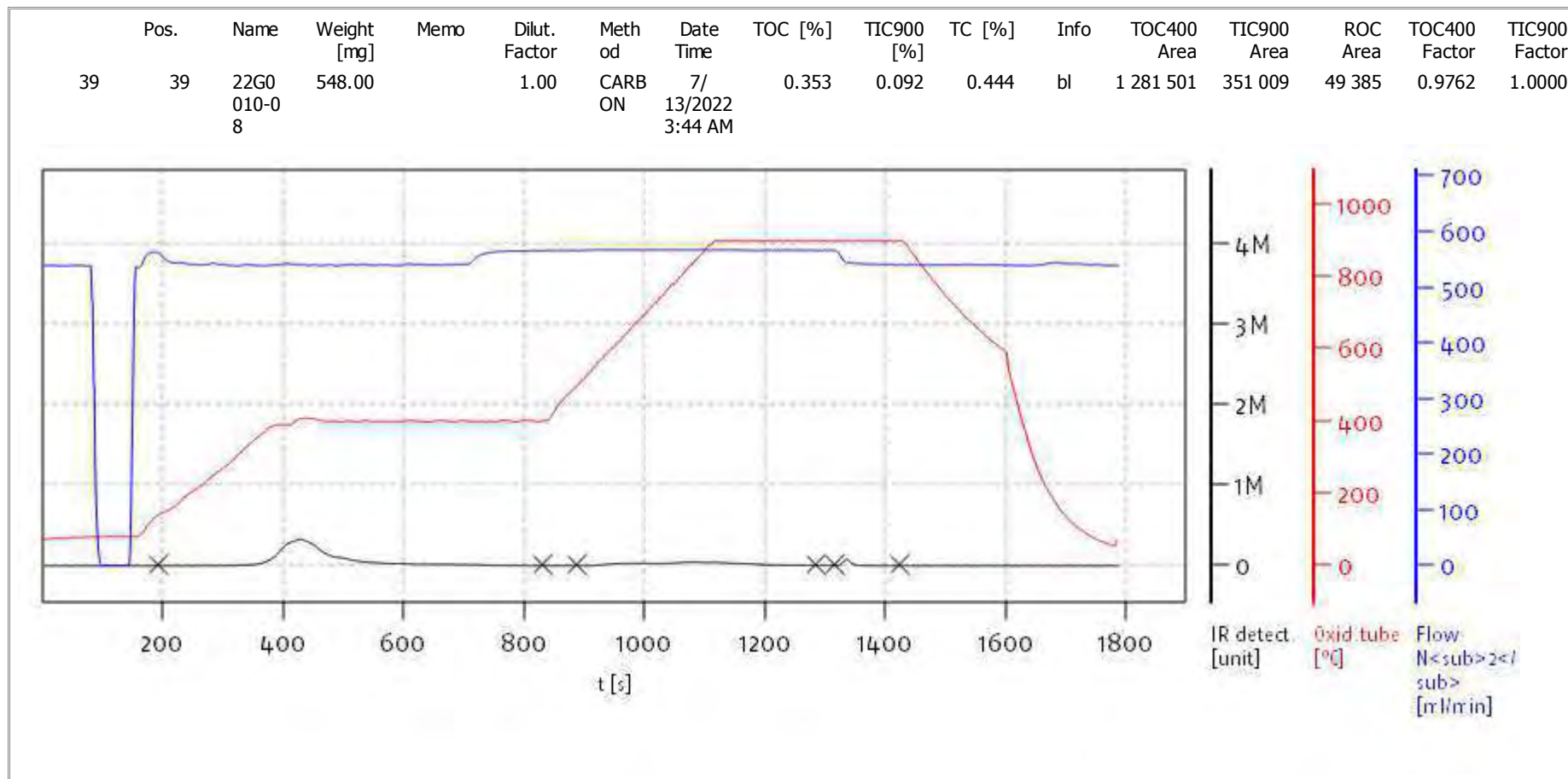
Date: Fri Jul 15 08:39:07 2022



solITOC V2.0.2 (31015f9) 2018-11-19
Serial No: 0300.181017
Mode CCC



Soli TOC Cube, Carbon
Balance: BAL3
Analyst: DOE



Name:

Access: solITOC superuser

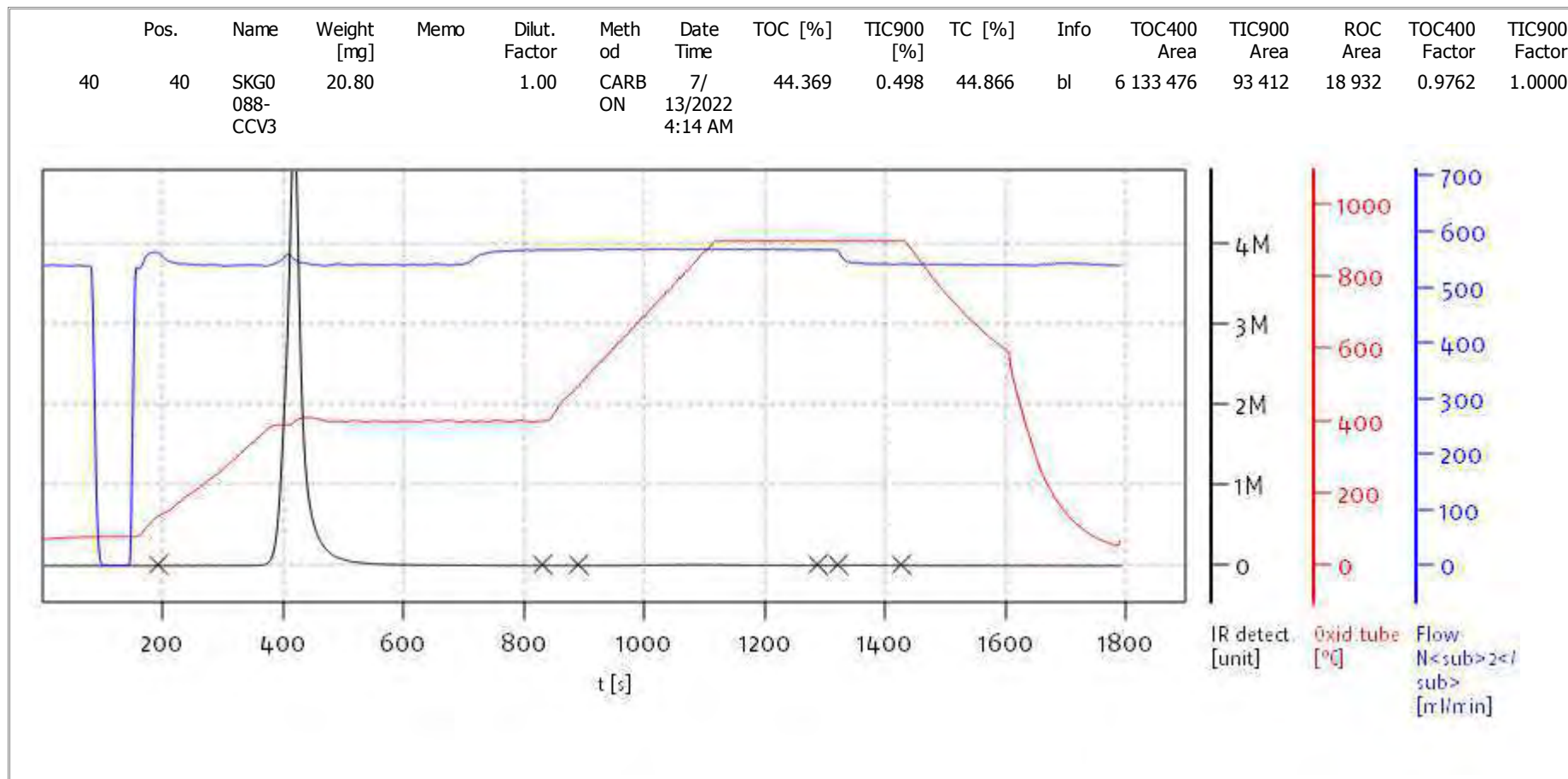
Date: Fri Jul 15 08:39:07 2022



solITOC V2.0.2 (31015f9) 2018-11-19
Serial No: 0300.181017
Mode CCC



Soli TOC Cube, Carbon
Balance: BAL3
Analyst: DOE



Name:

Access: solITOC superuser

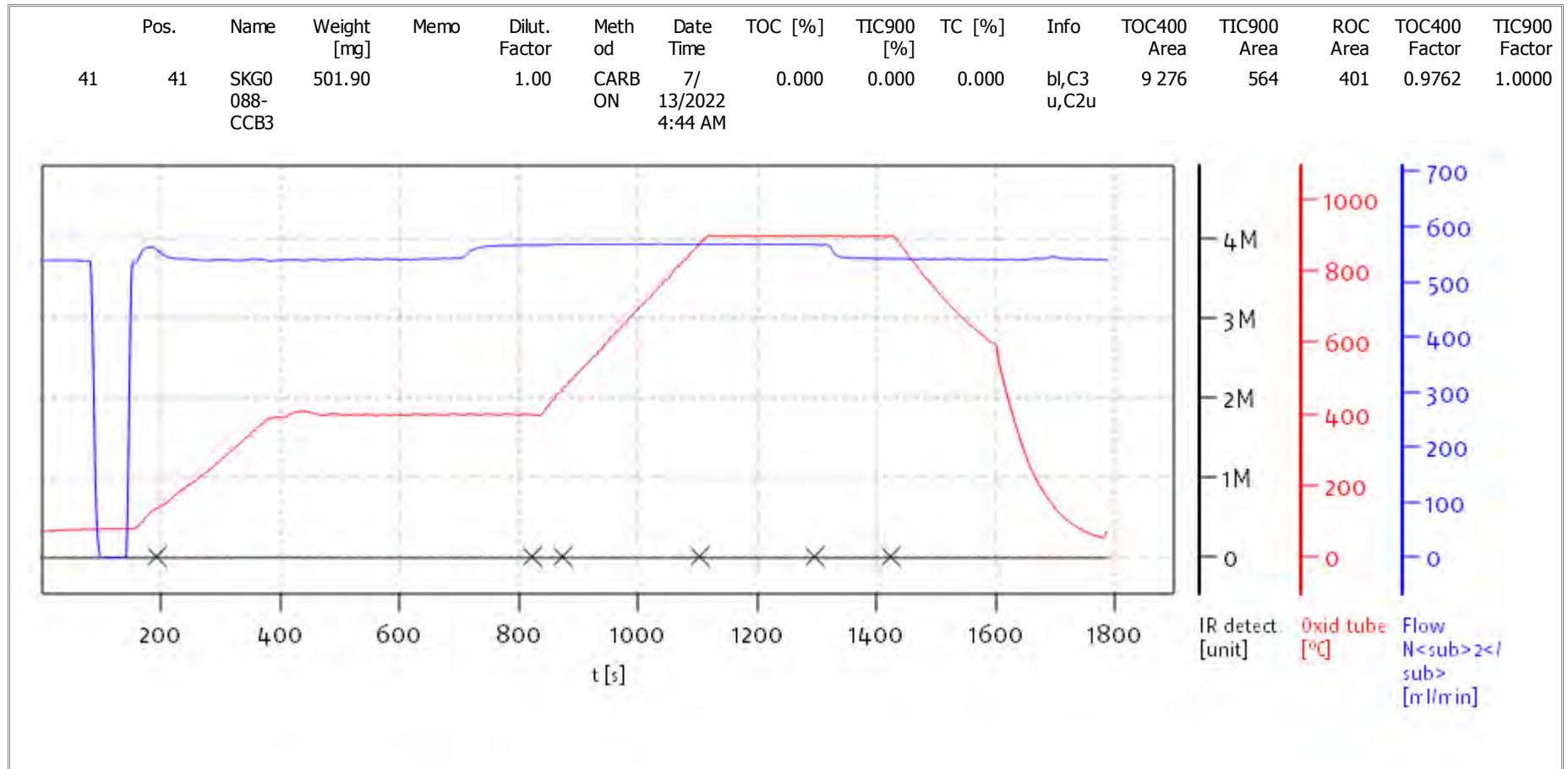
Date: Fri Jul 15 08:39:07 2022



solITOC V2.0.2 (31015f9) 2018-11-19
Serial No: 0300.181017
Mode CCC



Soli TOC Cube, Carbon
Balance: BAL3
Analyst: DOE



Name:

Access: solITOC superuser

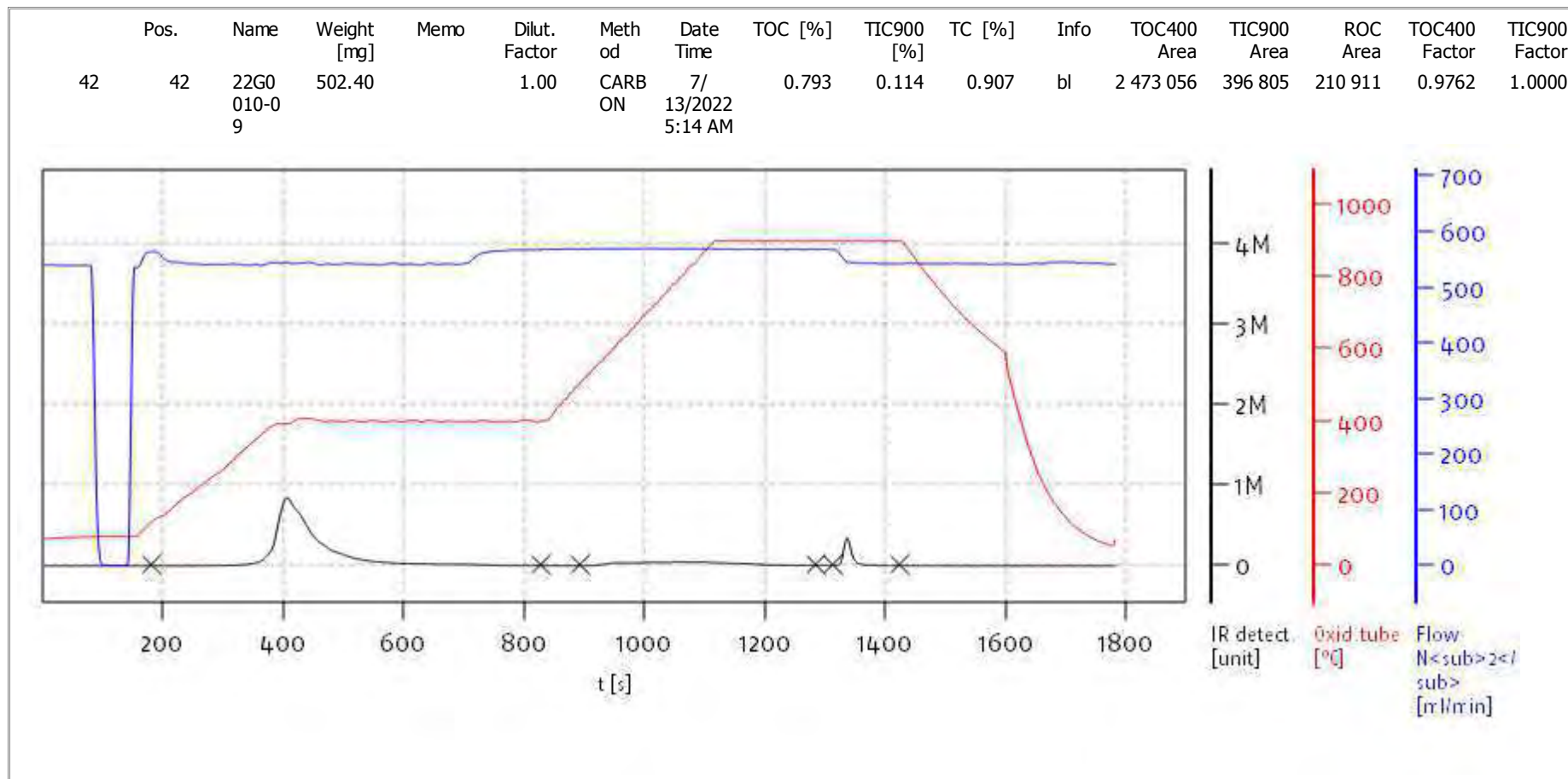
Date: Fri Jul 15 08:39:07 2022



solITOC V2.0.2 (31015f9) 2018-11-19
Serial No: 0300.181017
Mode CCC



Soli TOC Cube, Carbon
Balance: BAL3
Analyst: DOE



Name:

Access: solITOC superuser

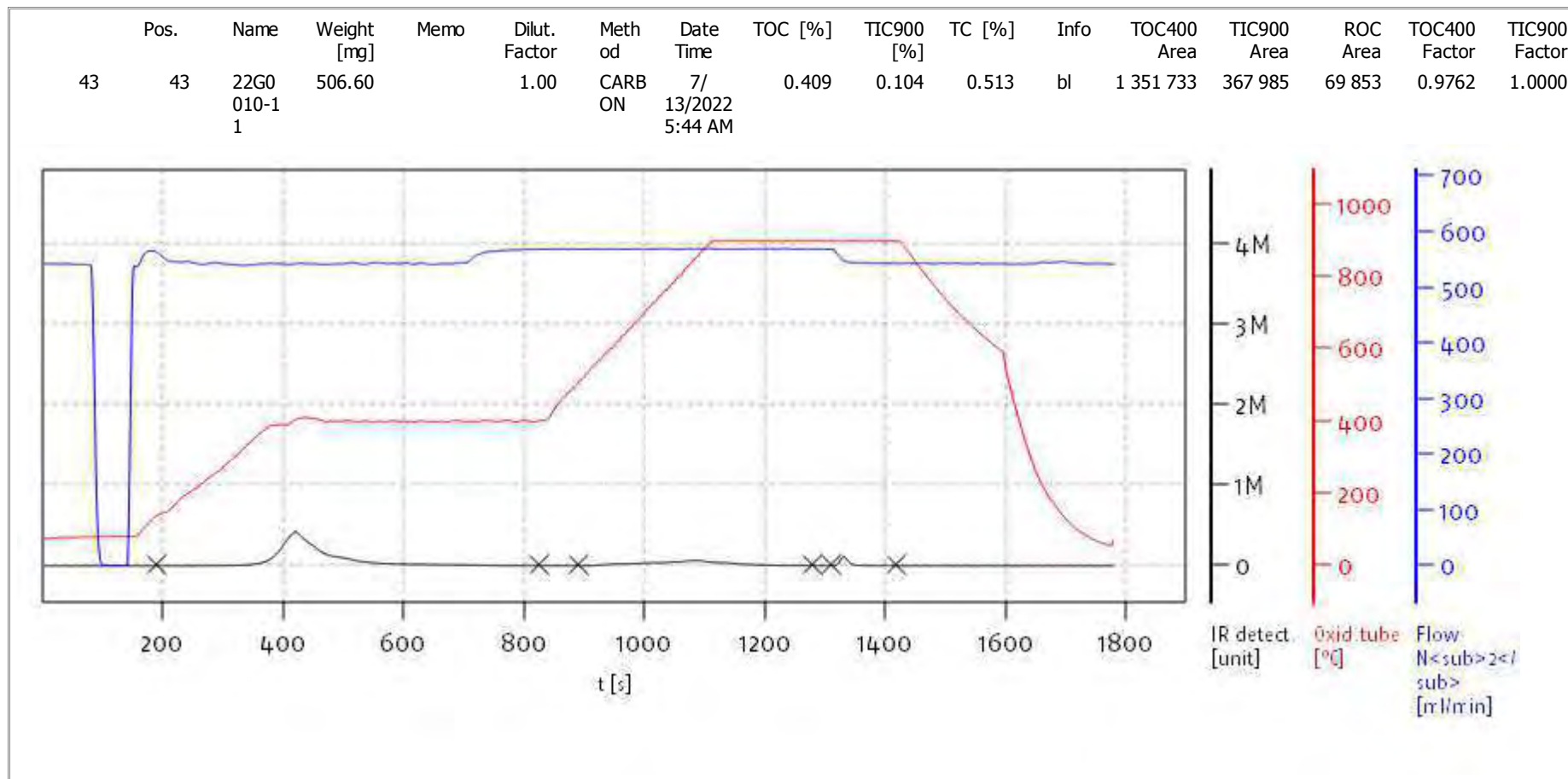
Date: Fri Jul 15 08:39:07 2022



solITOC V2.0.2 (31015f9) 2018-11-19
Serial No: 0300.181017
Mode CCC



Soli TOC Cube, Carbon
Balance: BAL3
Analyst: DOE



Name:

Access: solITOC superuser

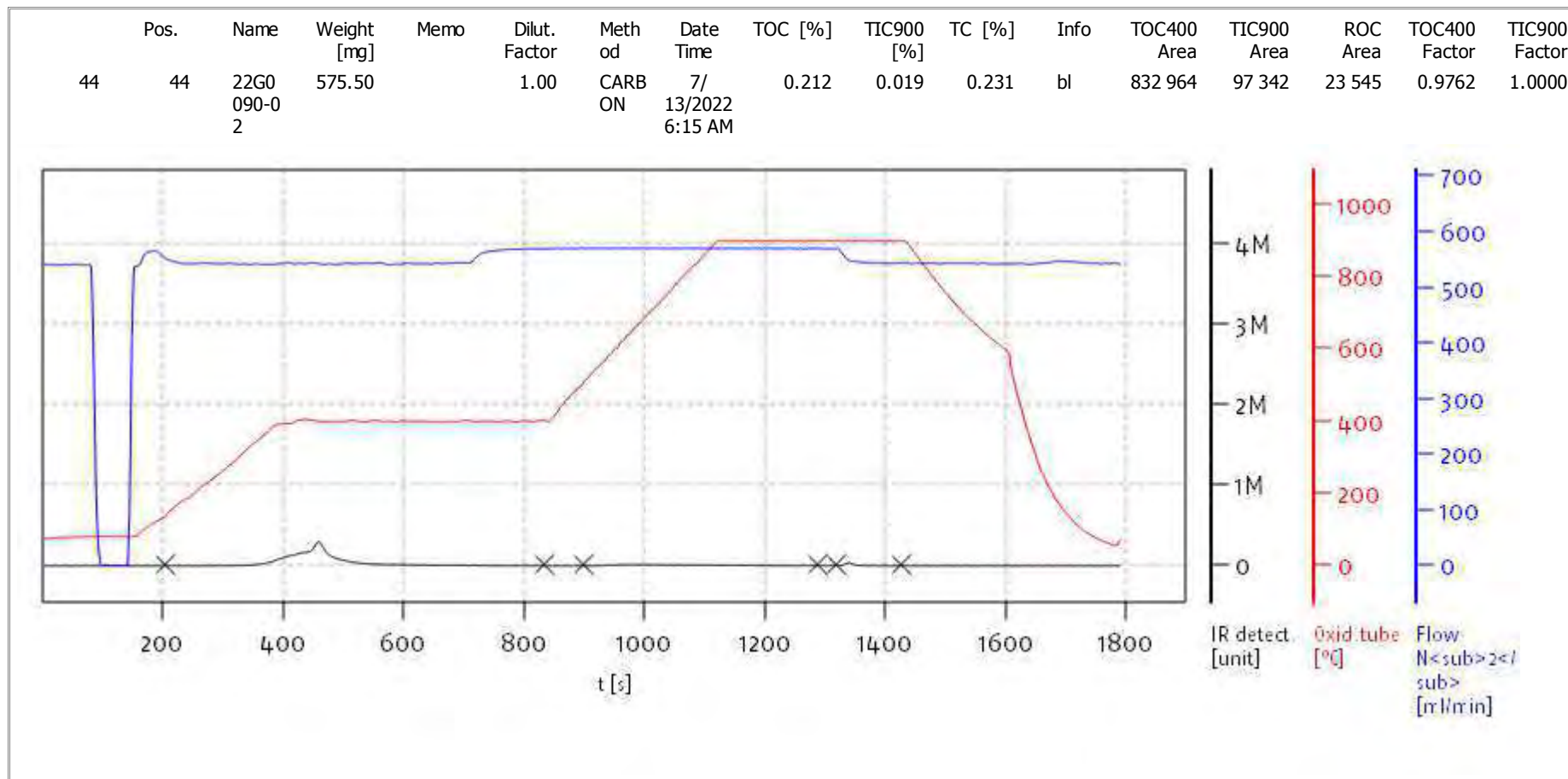
Date: Fri Jul 15 08:39:07 2022



solITOC V2.0.2 (31015f9) 2018-11-19
Serial No: 0300.181017
Mode CCC



Soli TOC Cube, Carbon
Balance: BAL3
Analyst: DOE



Name:

Access: solITOC superuser

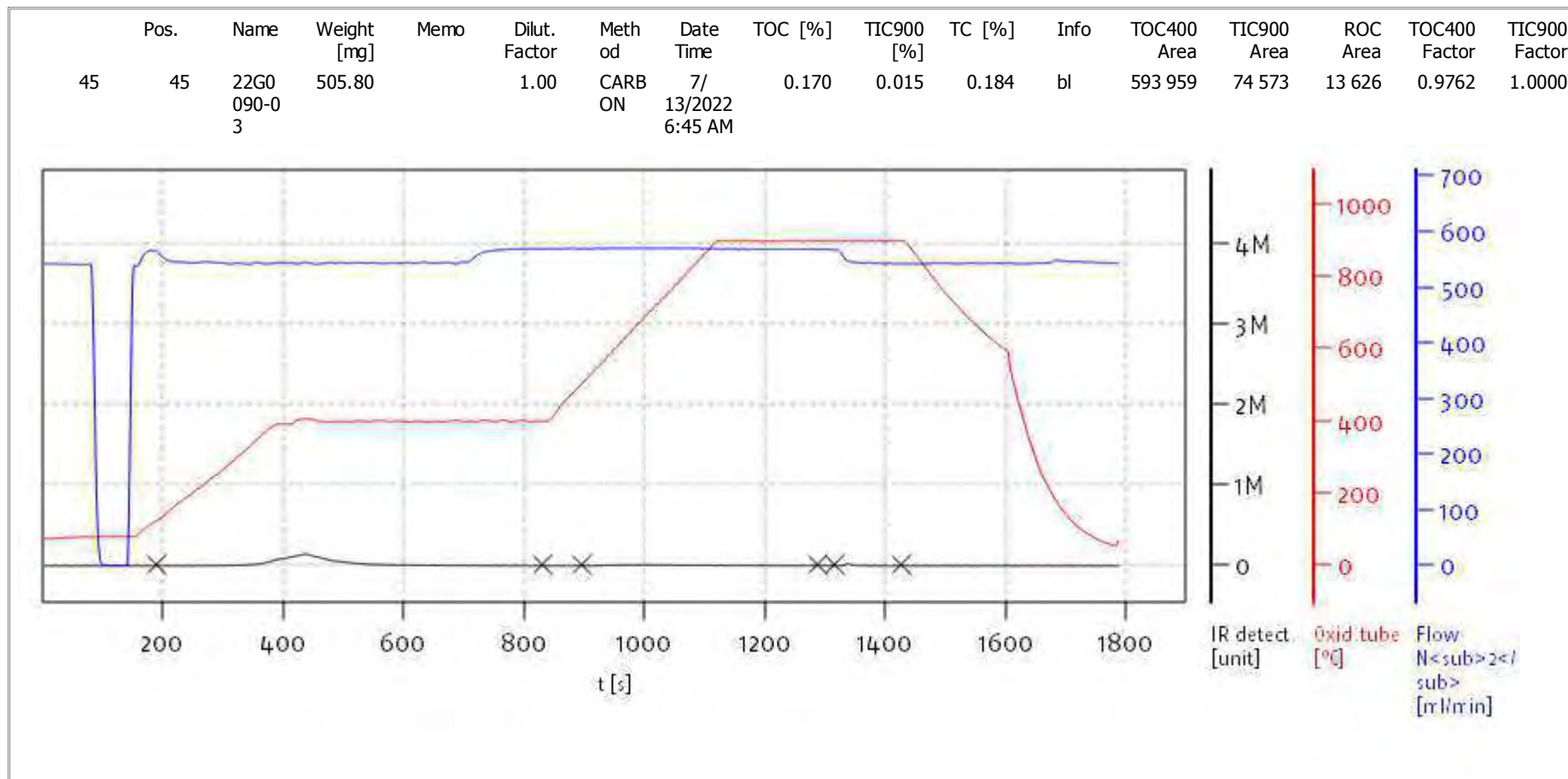
Date: Fri Jul 15 08:39:07 2022



solITOC V2.0.2 (31015f9) 2018-11-19
Serial No: 0300.181017
Mode CCC



Soli TOC Cube, Carbon
Balance: BAL3
Analyst: DOE



Name:

Access: solITOC superuser

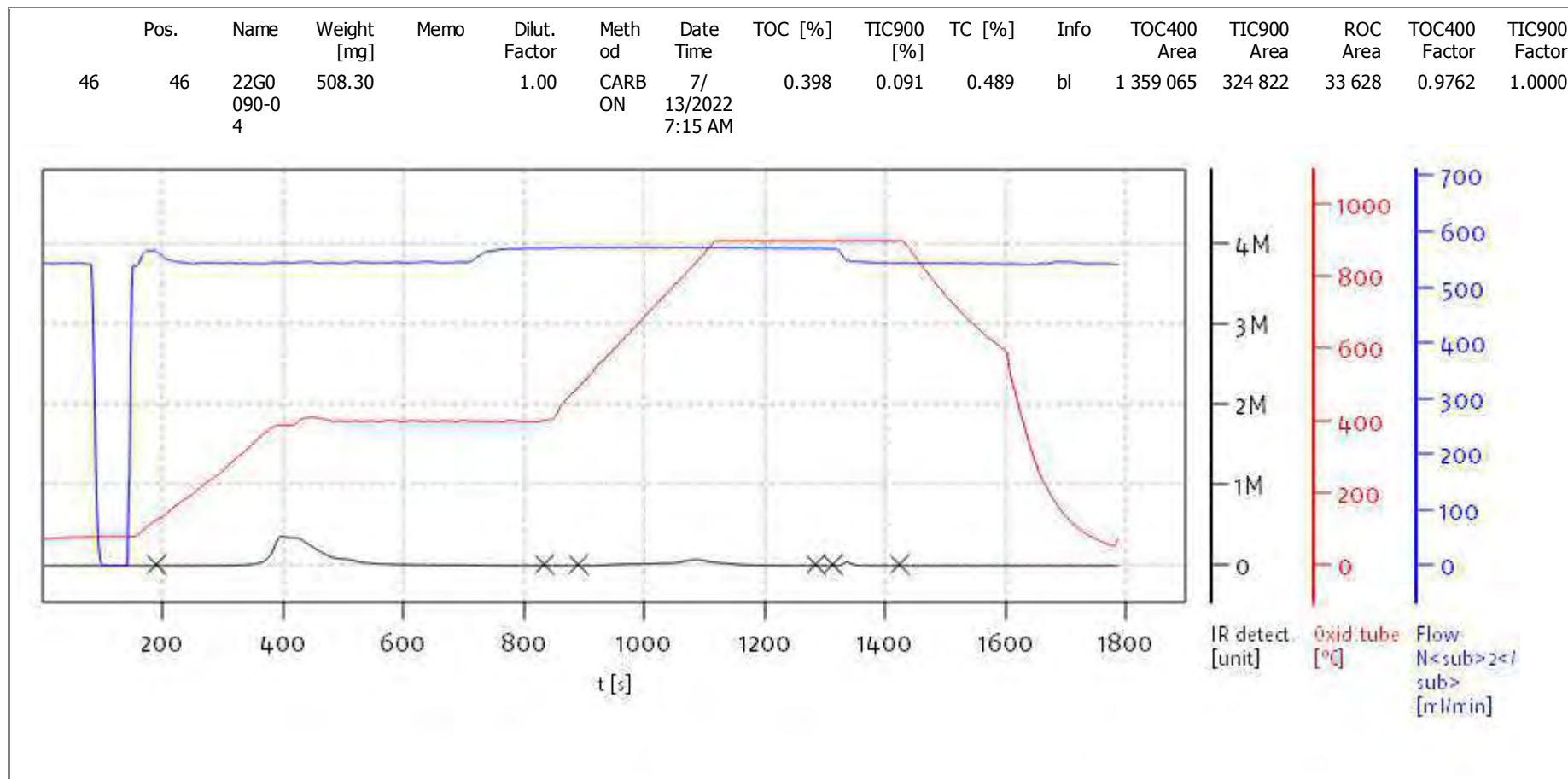
Date: Fri Jul 15 08:39:07 2022



solITOC V2.0.2 (31015f9) 2018-11-19
Serial No: 0300.181017
Mode CCC



Soli TOC Cube, Carbon
Balance: BAL3
Analyst: DOE



Name:

Access: solITOC superuser

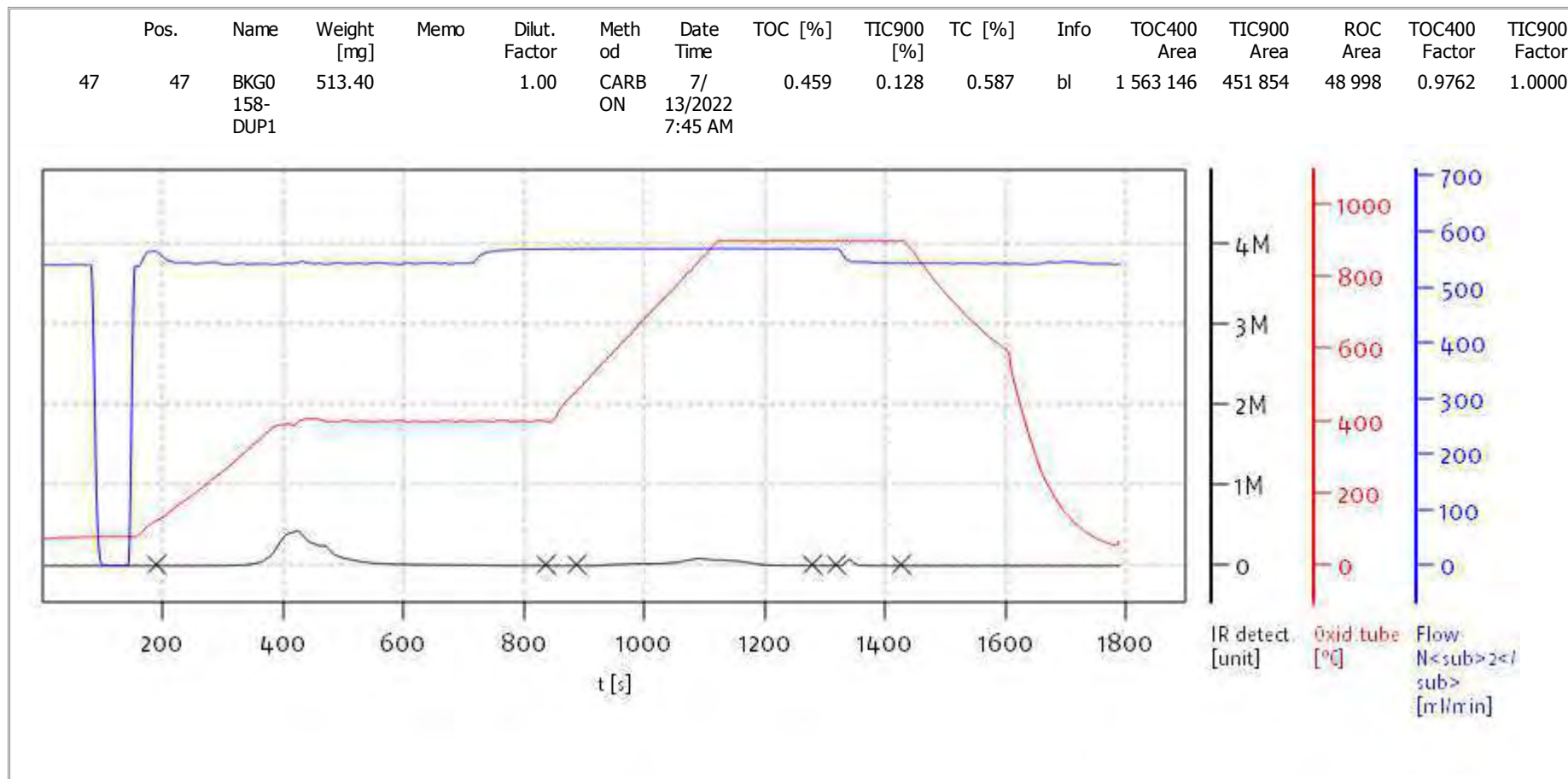
Date: Fri Jul 15 08:39:07 2022



solITOC V2.0.2 (31015f9) 2018-11-19
Serial No: 0300.181017
Mode CCC



Soli TOC Cube, Carbon
Balance: BAL3
Analyst: DOE



Name:

Access: solITOC superuser

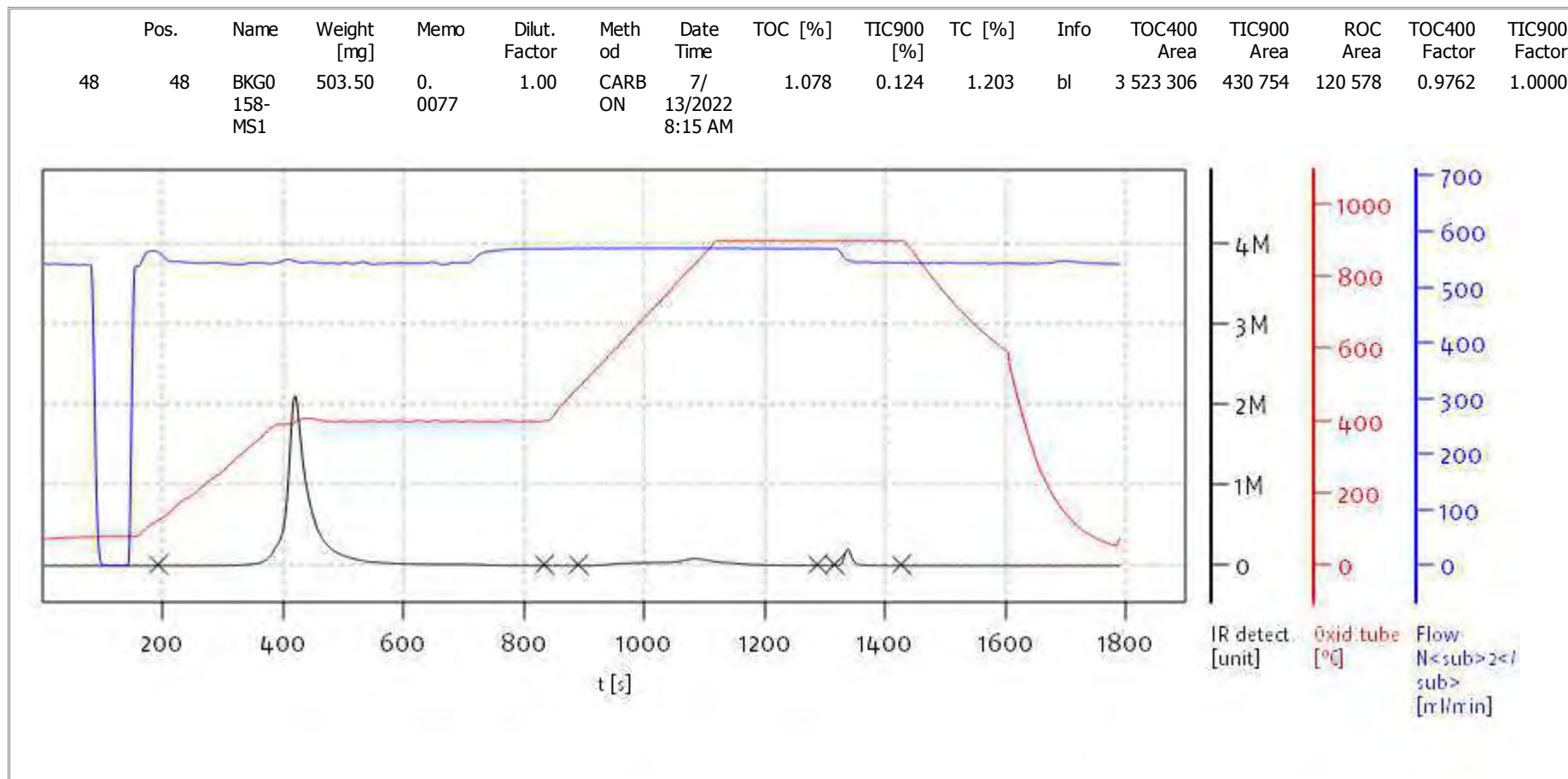
Date: Fri Jul 15 08:39:07 2022



solITOC V2.0.2 (31015f9) 2018-11-19
Serial No: 0300.181017
Mode CCC



Soli TOC Cube, Carbon
Balance: BAL3
Analyst: DOE



Name:

Access: solITOC superuser

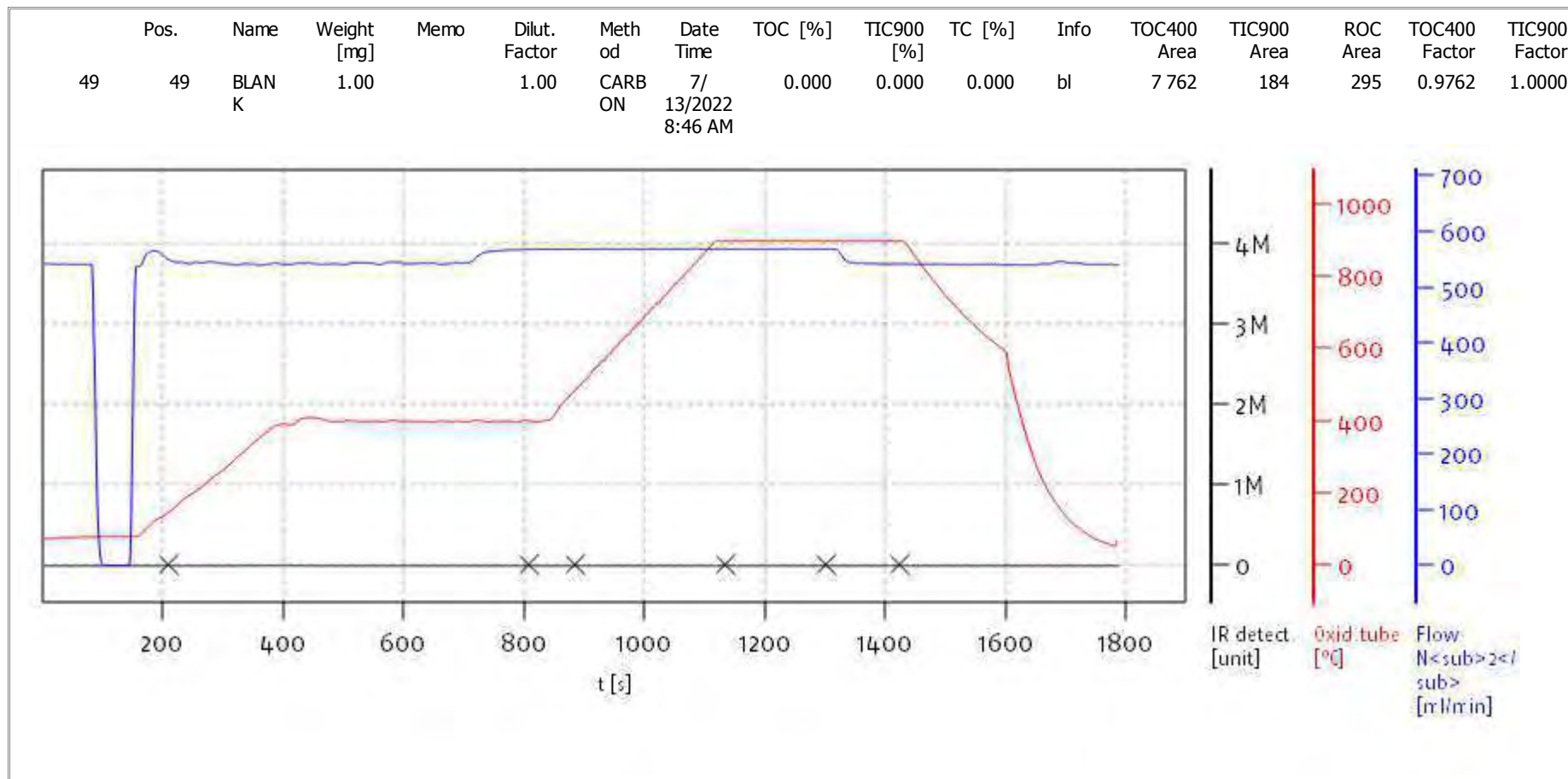
Date: Fri Jul 15 08:39:07 2022



solITOC V2.0.2 (31015f9) 2018-11-19
Serial No: 0300.181017
Mode CCC



Soli TOC Cube, Carbon
Balance: BAL3
Analyst: DOE



Name:

Access: solITOC superuser

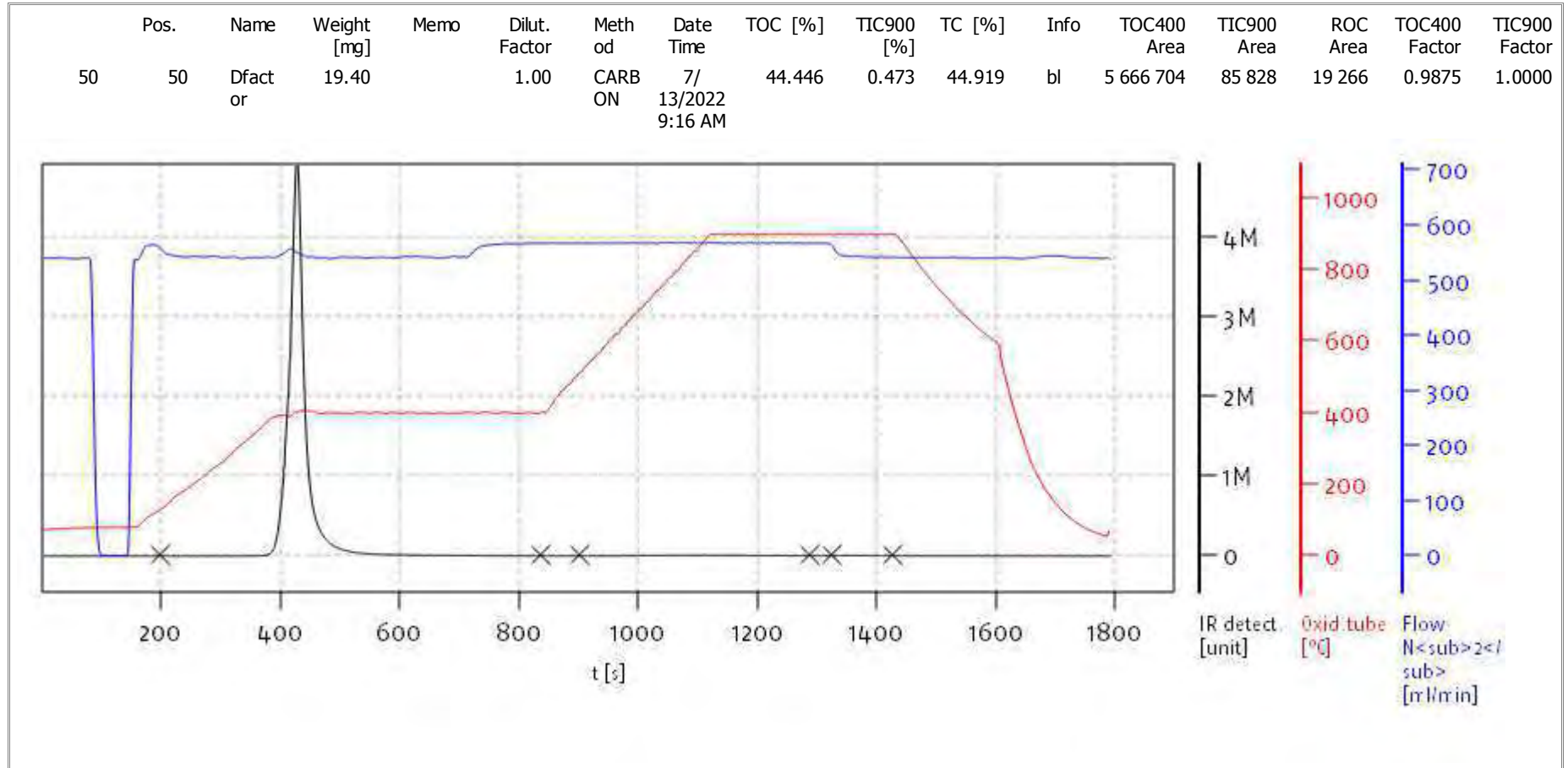
Date: Fri Jul 15 08:39:07 2022



solITOC V2.0.2 (31015f9) 2018-11-19
Serial No: 0300.181017
Mode CCC



Soli TOC Cube, Carbon
Balance: BAL3
Analyst: DOE



Name:

Access: solITOC superuser

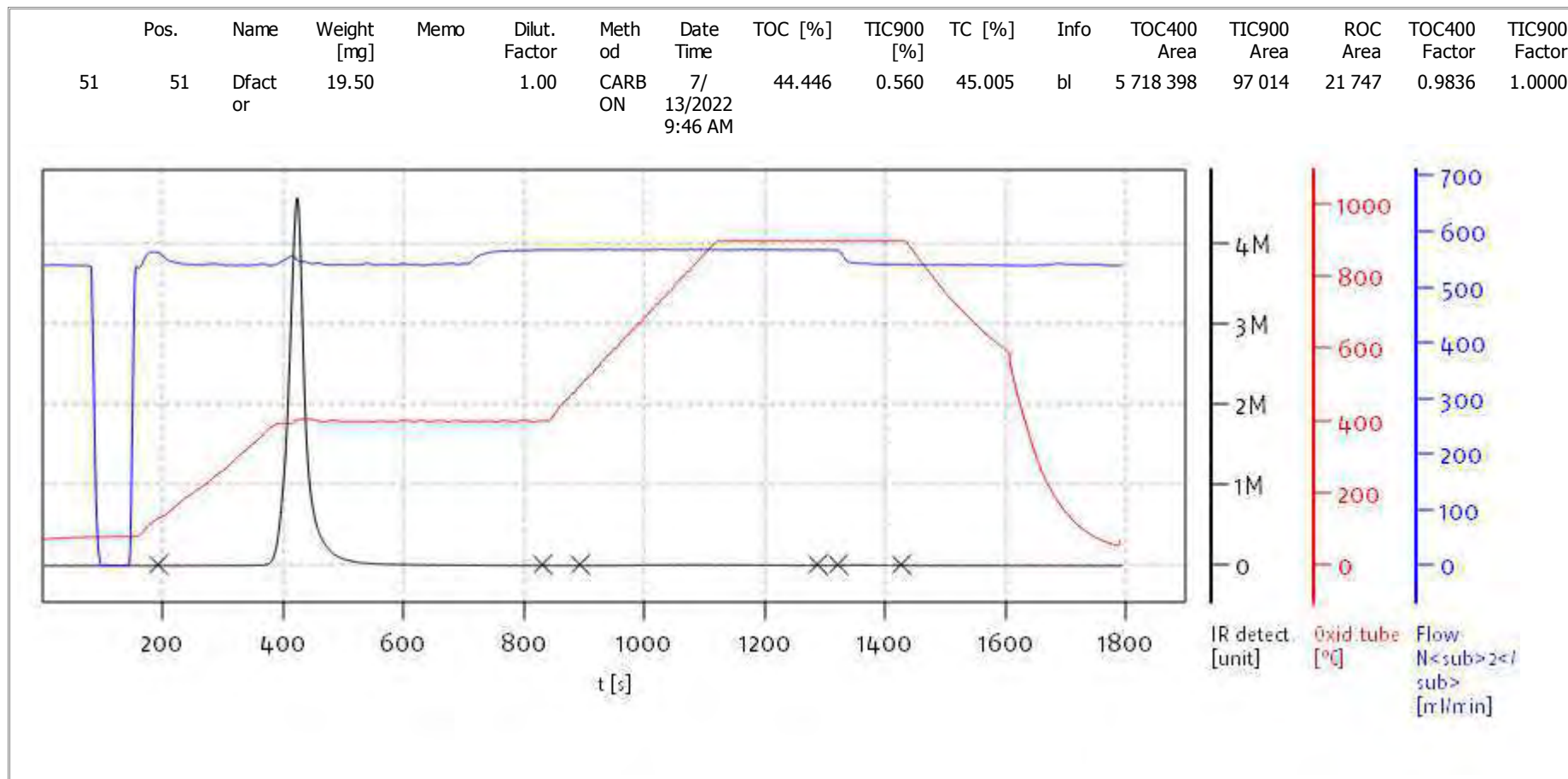
Date: Fri Jul 15 08:39:07 2022



solITOC V2.0.2 (31015f9) 2018-11-19
Serial No: 0300.181017
Mode CCC



Soli TOC Cube, Carbon
Balance: BAL3
Analyst: DOE



Name:

Access: solITOC superuser

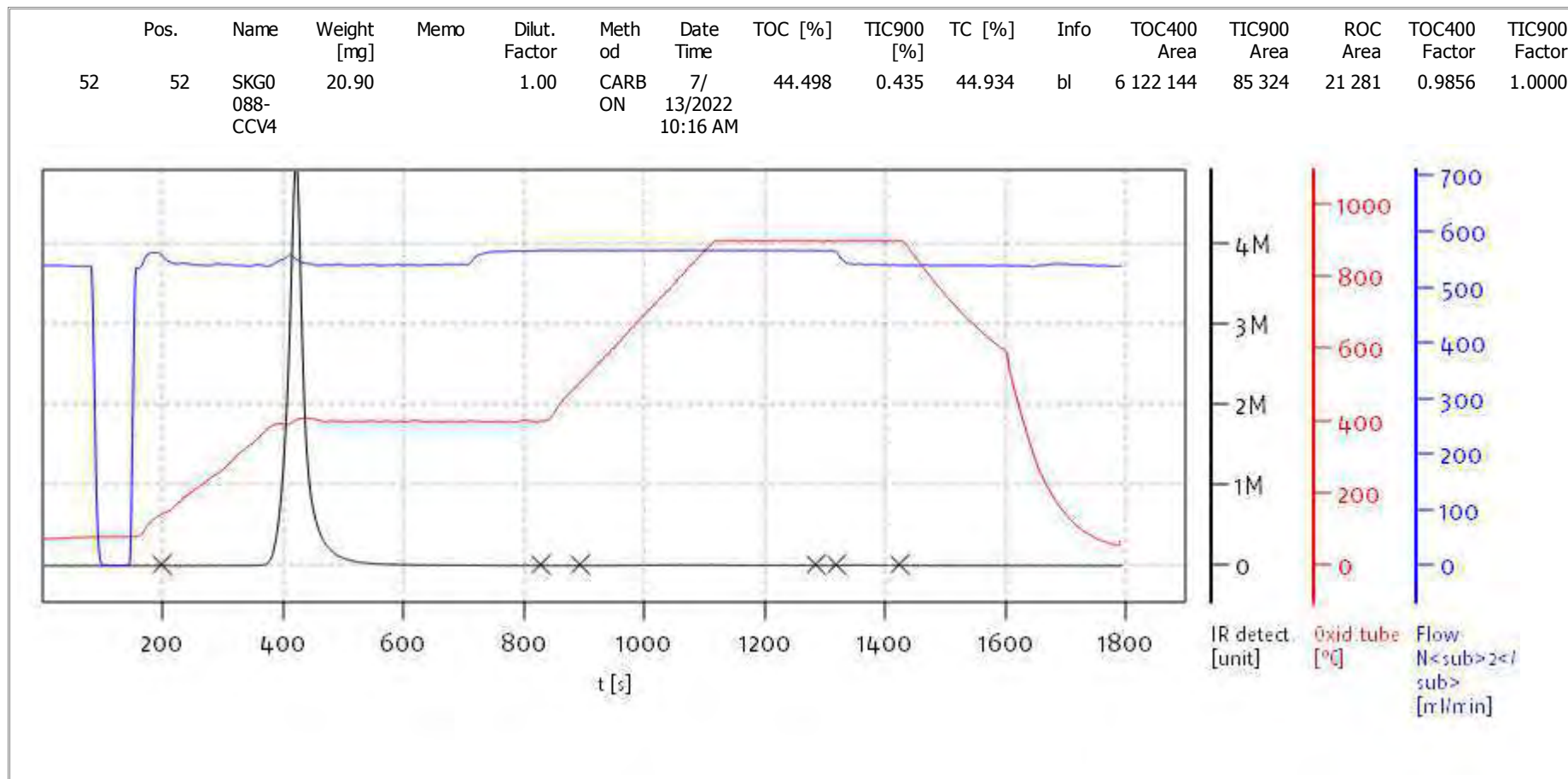
Date: Fri Jul 15 08:39:07 2022



solITOC V2.0.2 (31015f9) 2018-11-19
Serial No: 0300.181017
Mode CCC



Soli TOC Cube, Carbon
Balance: BAL3
Analyst: DOE



Name:

Access: solITOC superuser

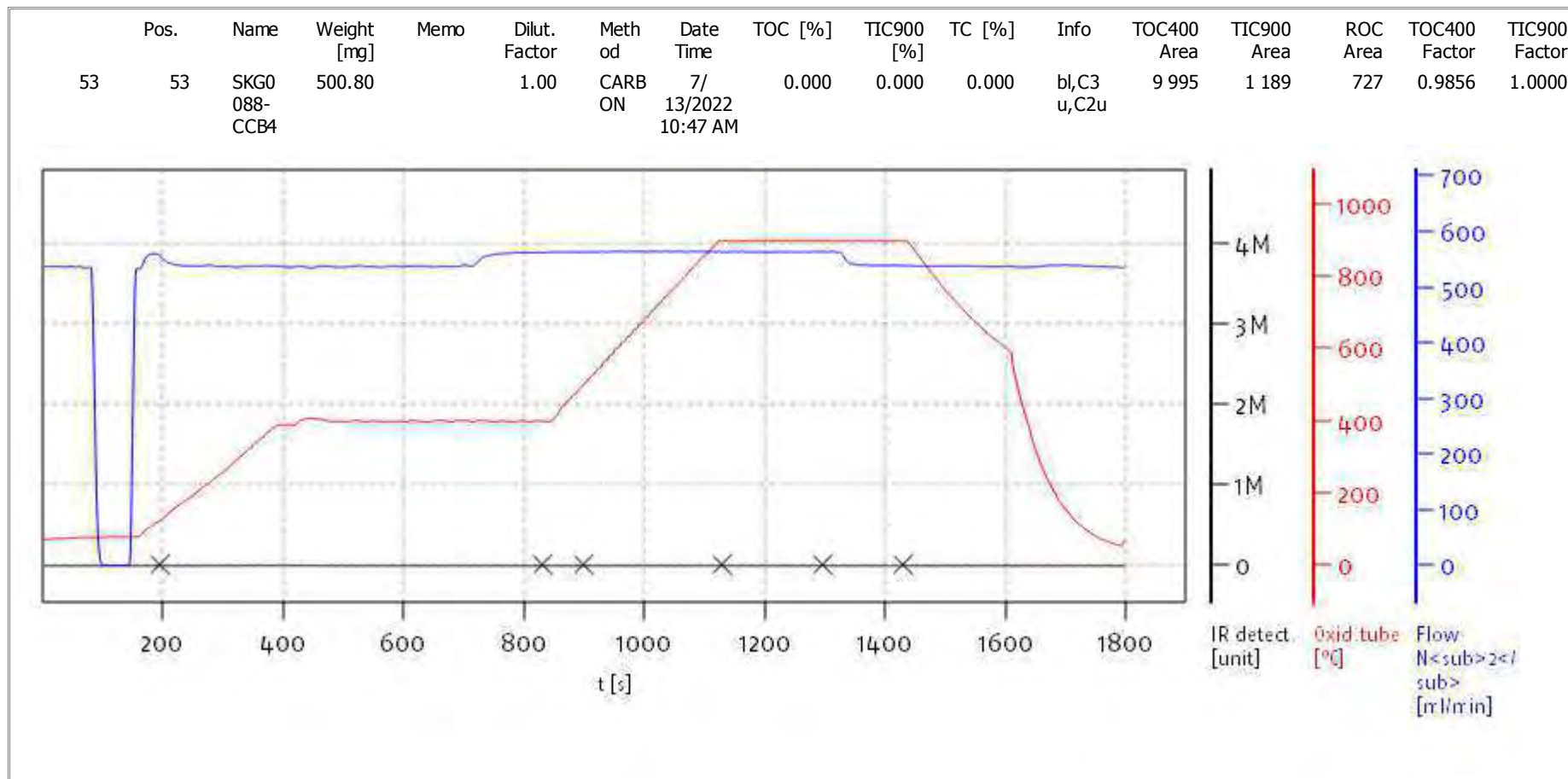
Date: Fri Jul 15 08:39:07 2022



solITOC V2.0.2 (31015f9) 2018-11-19
Serial No: 0300.181017
Mode CCC



Soli TOC Cube, Carbon
Balance: BAL3
Analyst: DOE



Name:

Access: solITOC superuser

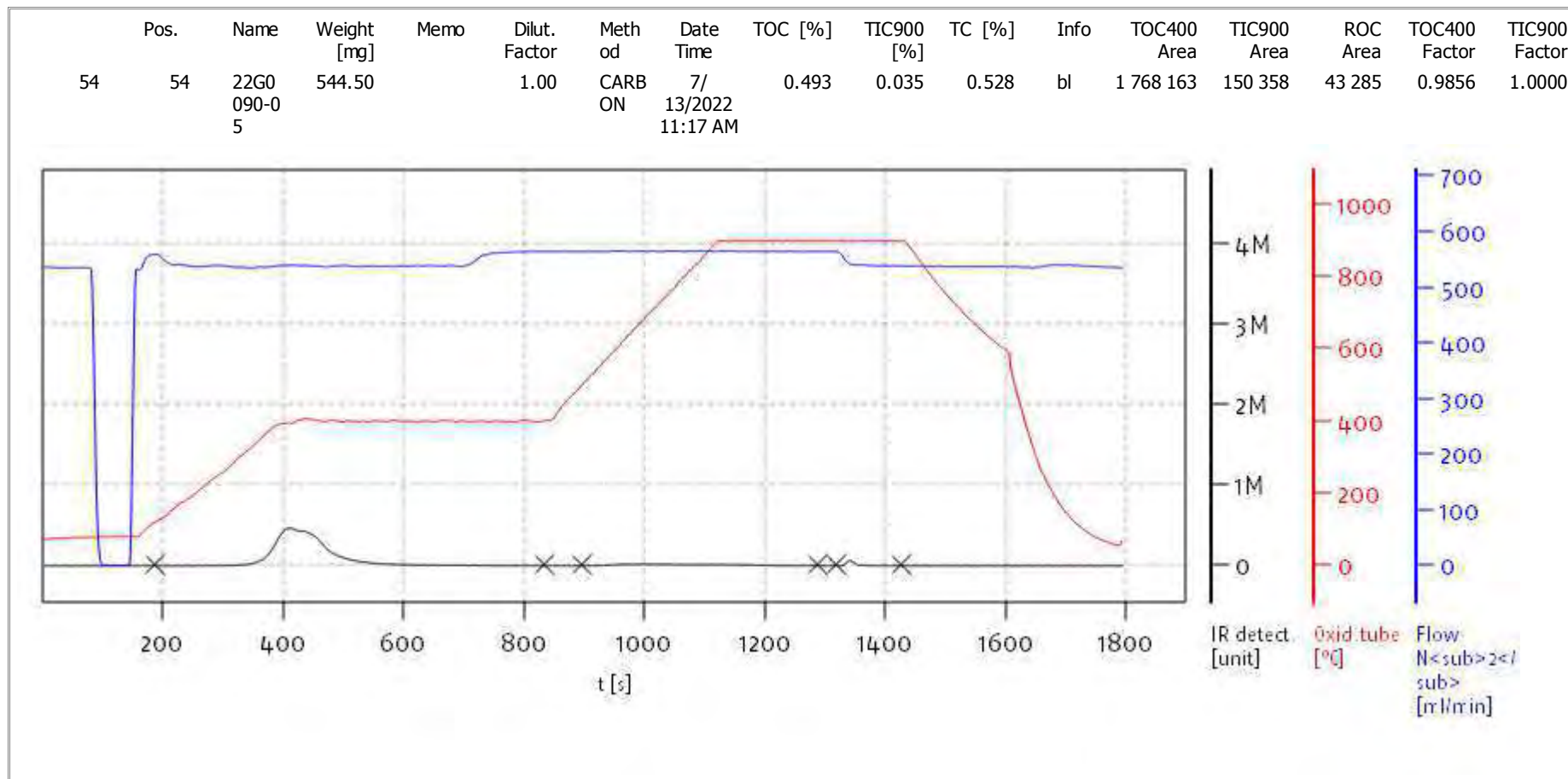
Date: Fri Jul 15 08:39:07 2022



solITOC V2.0.2 (31015f9) 2018-11-19
Serial No: 0300.181017
Mode CCC



Soli TOC Cube, Carbon
Balance: BAL3
Analyst: DOE



Name:

Access: solITOC superuser

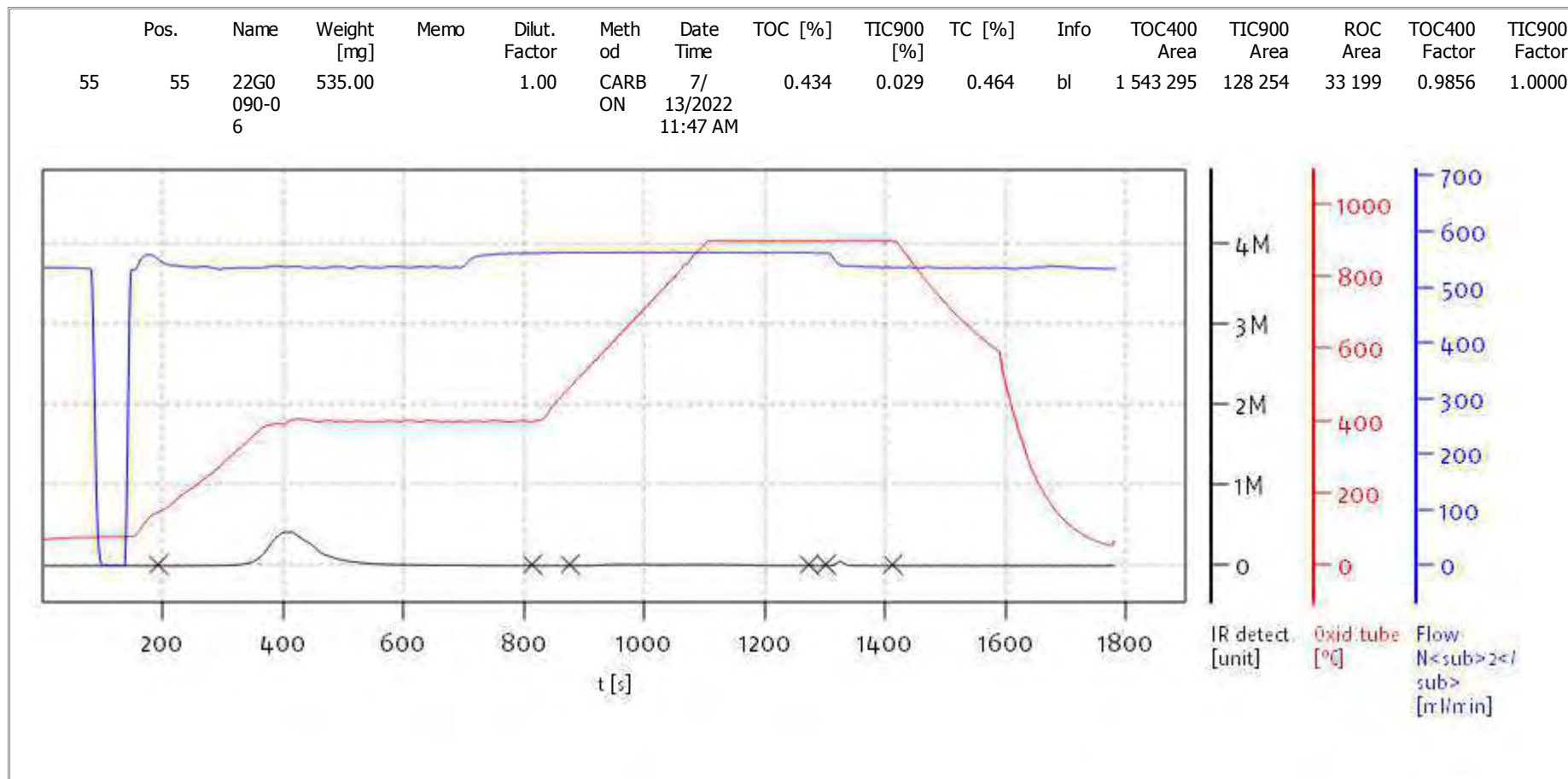
Date: Fri Jul 15 08:39:07 2022



solITOC V2.0.2 (31015f9) 2018-11-19
Serial No: 0300.181017
Mode CCC



Soli TOC Cube, Carbon
Balance: BAL3
Analyst: DOE



Name:

Access: solITOC superuser

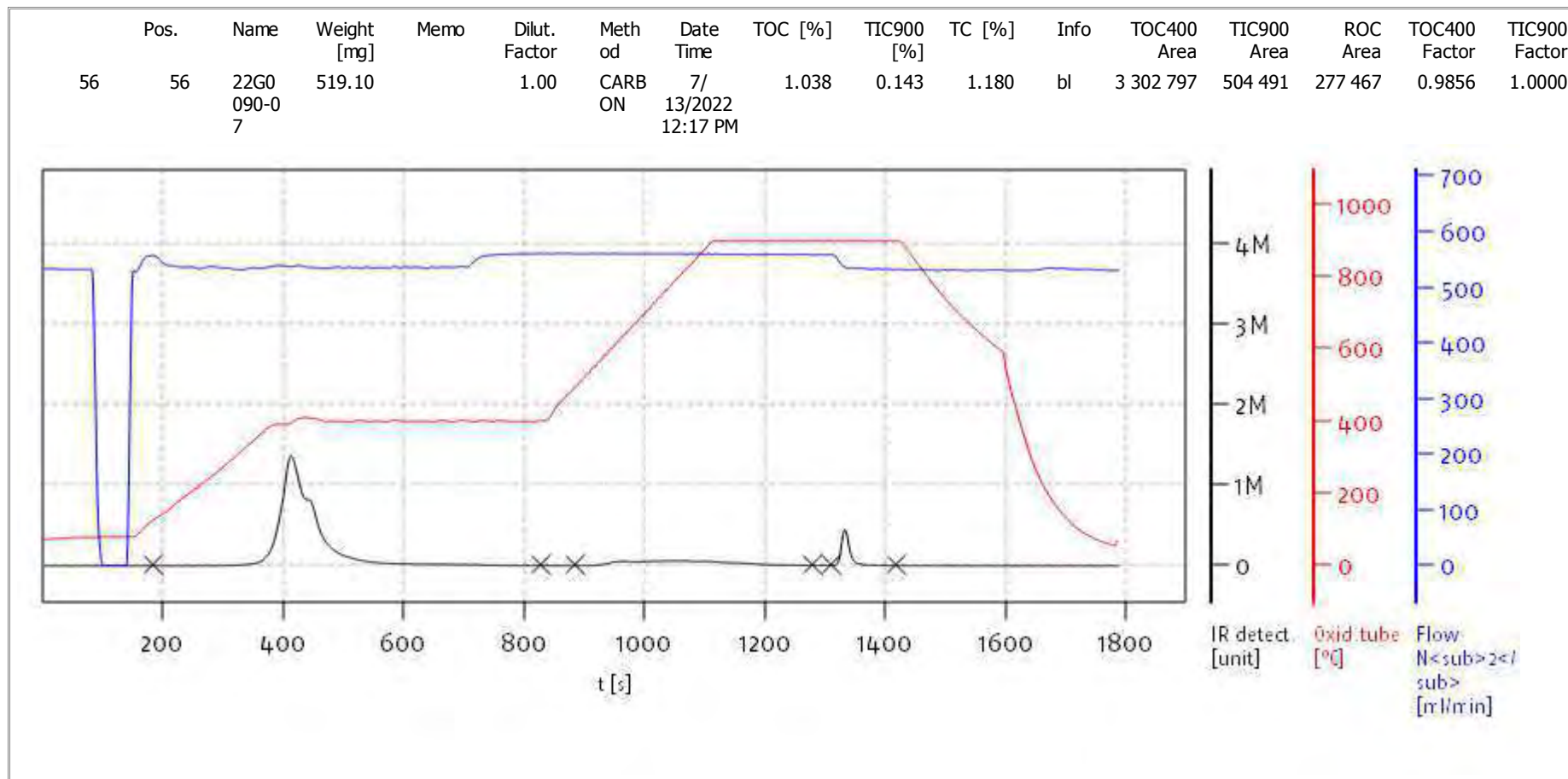
Date: Fri Jul 15 08:39:07 2022



solITOC V2.0.2 (31015f9) 2018-11-19
Serial No: 0300.18107
Mode CCC



Soli TOC Cube, Carbon
Balance: BAL3
Analyst: DOE



Name:

Access: solITOC superuser

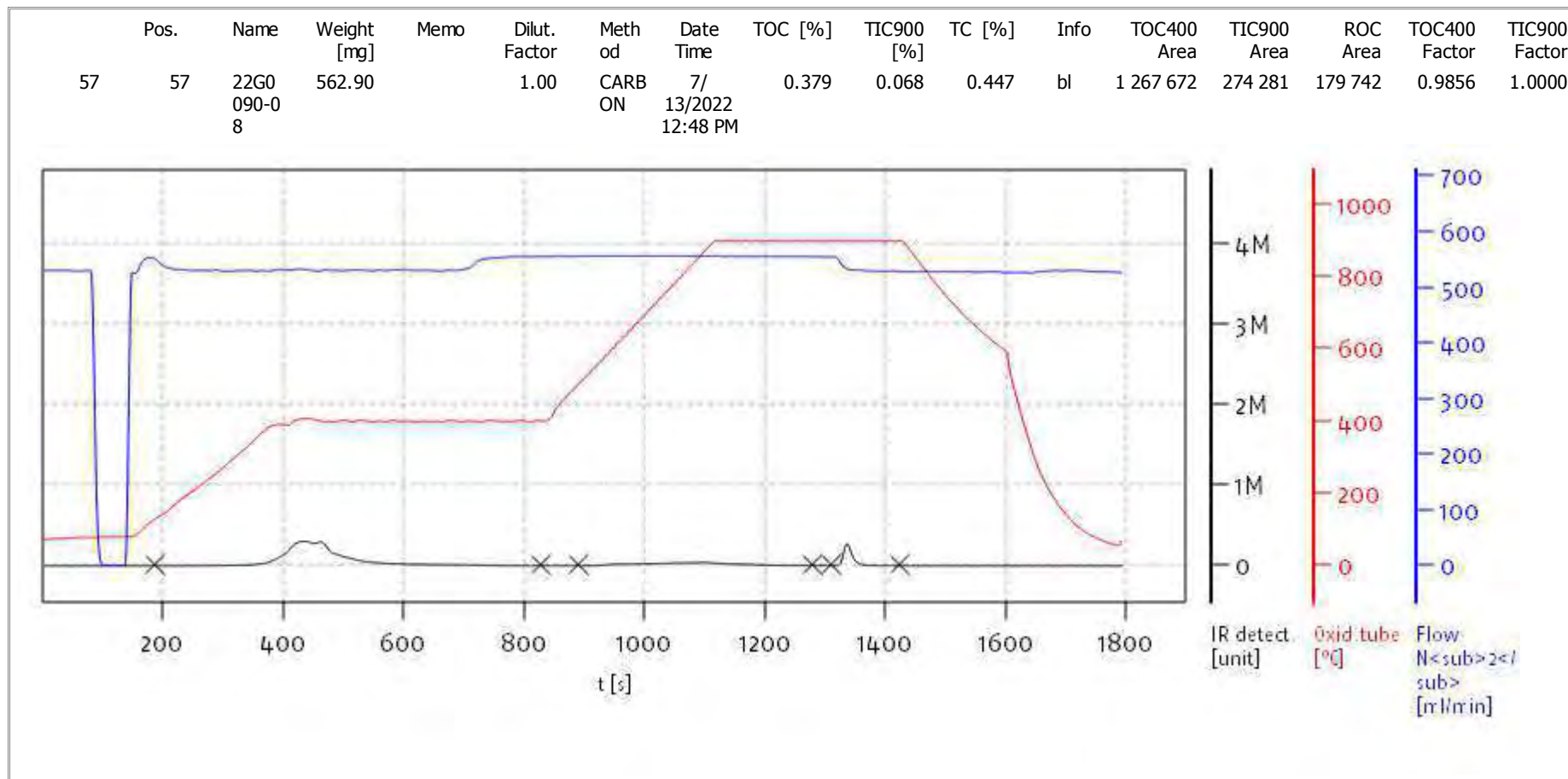
Date: Fri Jul 15 08:39:07 2022



solITOC V2.0.2 (31015f9) 2018-11-19
Serial No: 0300.181017
Mode CCC



Soli TOC Cube, Carbon
Balance: BAL3
Analyst: DOE



Name:

Access: solITOC superuser

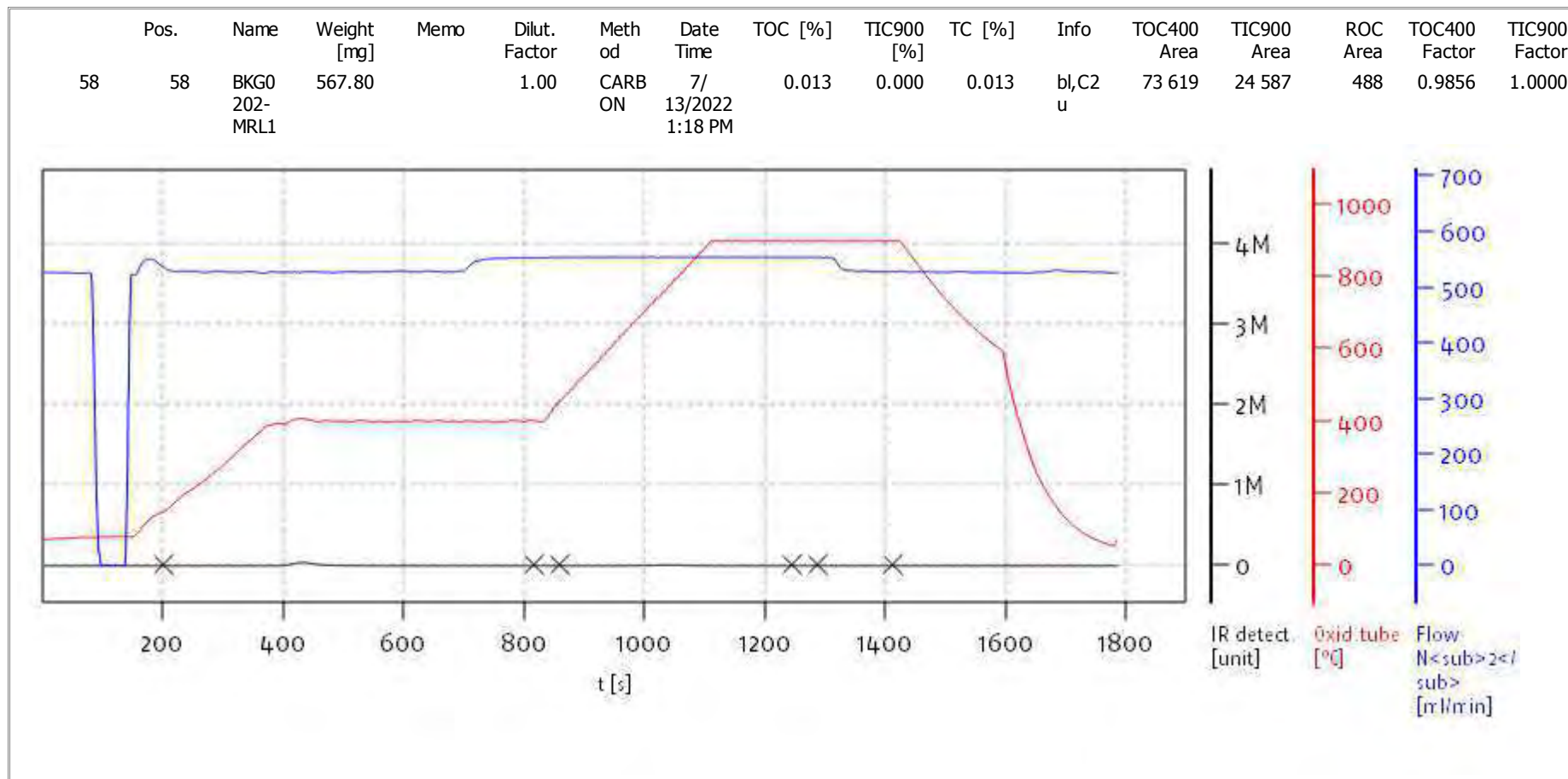
Date: Fri Jul 15 08:39:07 2022



solITOC V2.0.2 (31015f9) 2018-11-19
Serial No: 0300.181017
Mode CCC



Soli TOC Cube, Carbon
Balance: BAL3
Analyst: DOE



Name:

Access: solITOC superuser

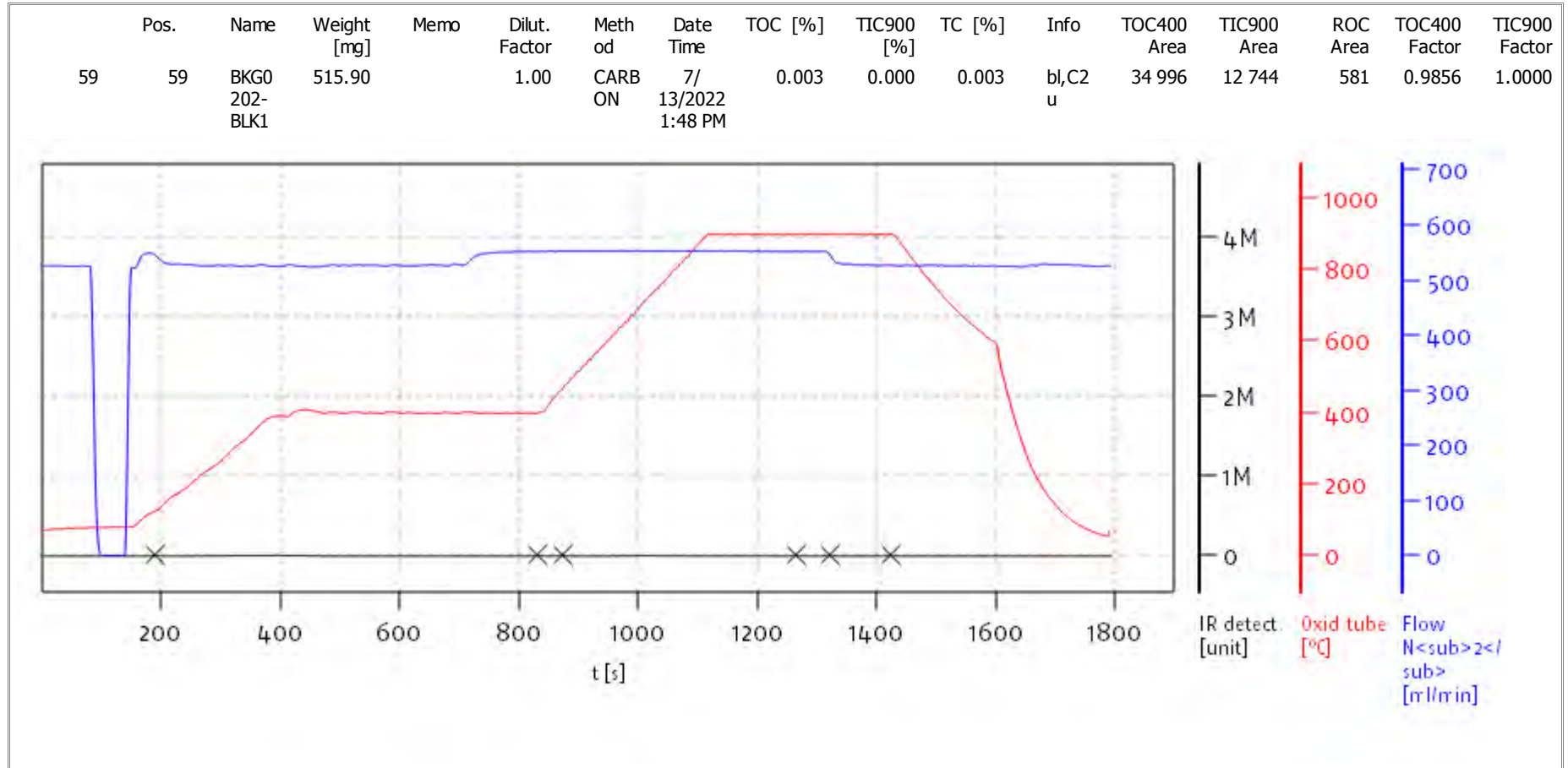
Date: Fri Jul 15 08:39:07 2022



solITOC V2.0.2 (31015f9) 2018-11-19
Serial No: 0300.181017
Mode CCC



Soli TOC Cube, Carbon
Balance: BAL3
Analyst: DOE



Name:

Access: solITOC superuser

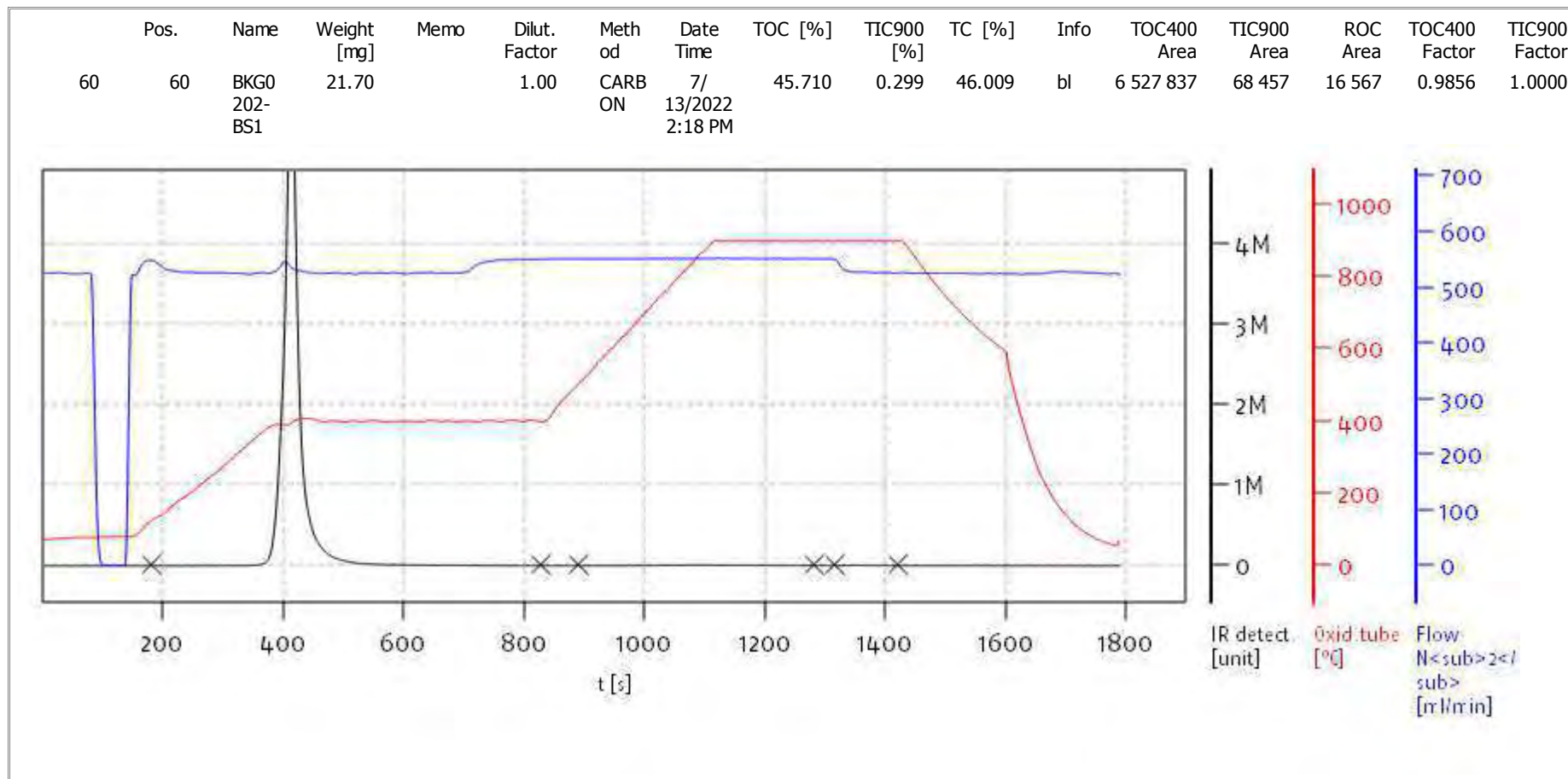
Date: Fri Jul 15 08:39:07 2022



solITOC V2.0.2 (31015f9) 2018-11-19
Serial No: 0300.181017
Mode CCC



Soli TOC Cube, Carbon
Balance: BAL3
Analyst: DOE



Name:

Access: solITOC superuser

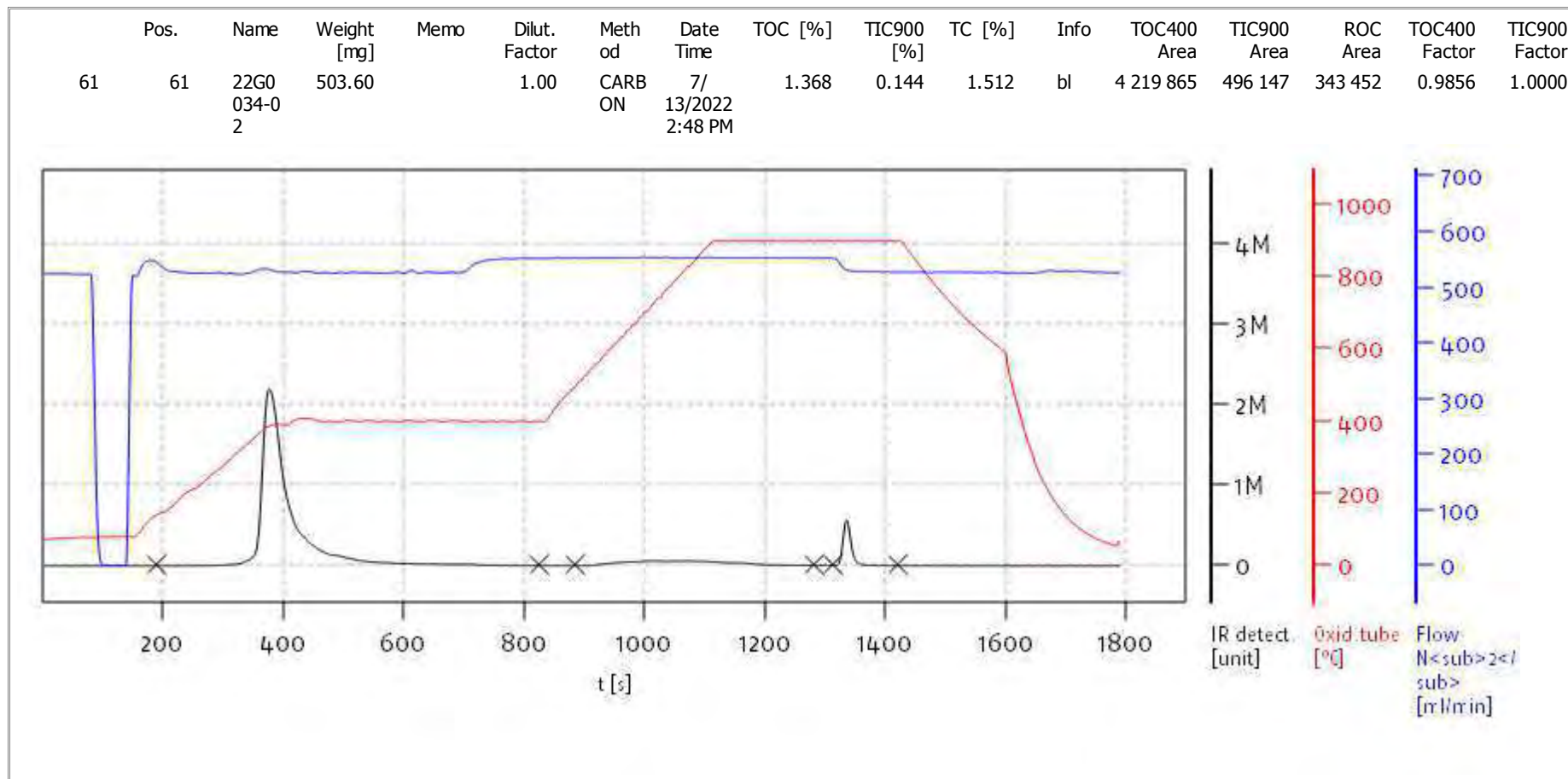
Date: Fri Jul 15 08:39:07 2022



solITOC V2.0.2 (31015f9) 2018-11-19
Serial No: 0300.181017
Mode CCC



Soli TOC Cube, Carbon
Balance: BAL3
Analyst: DOE



Name:

Access: solITOC superuser

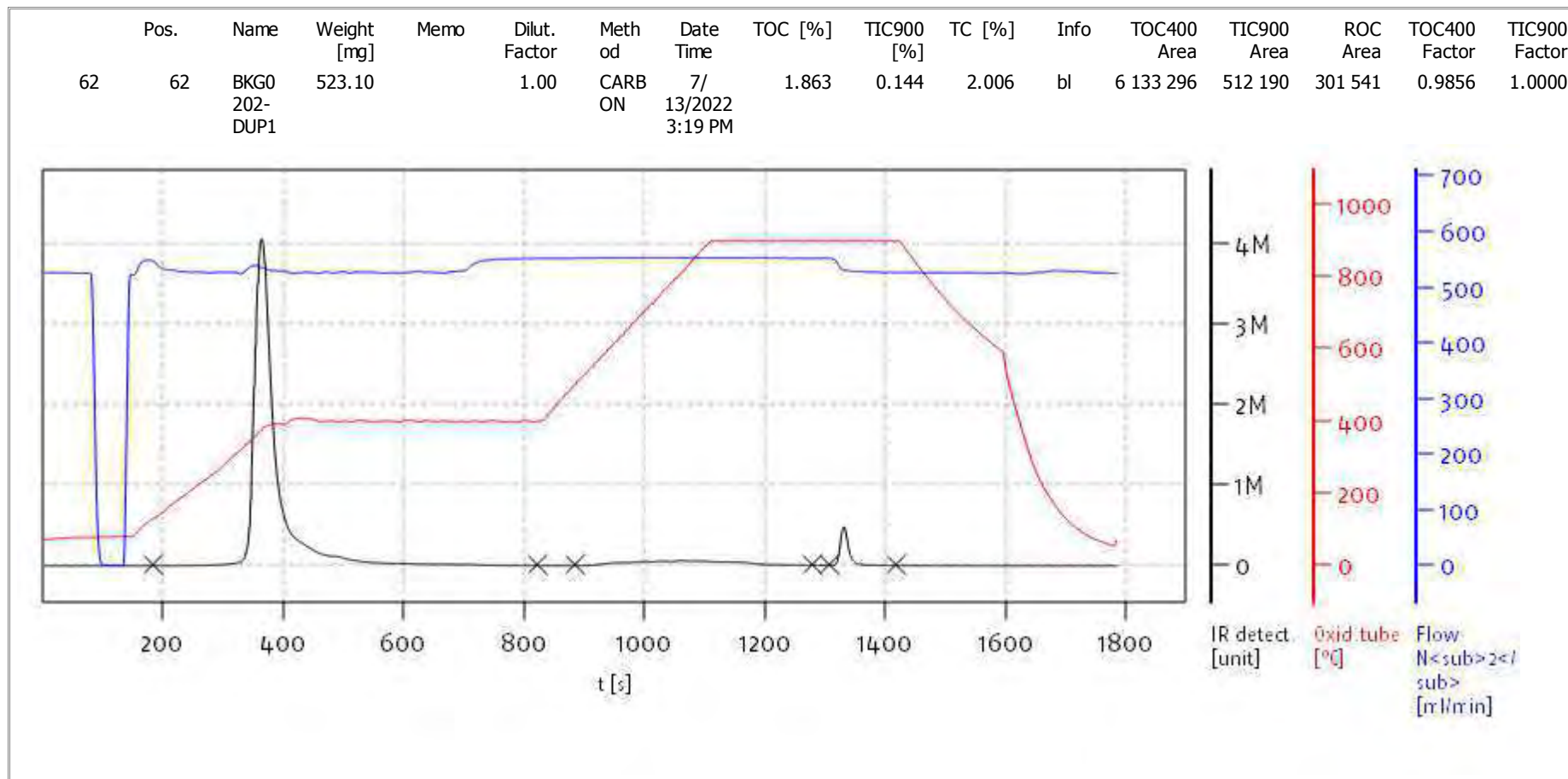
Date: Fri Jul 15 08:39:07 2022



solITOC V2.0.2 (31015f9) 2018-11-19
Serial No: 0300.181017
Mode CCC



Soli TOC Cube, Carbon
Balance: BAL3
Analyst: DOE



Name:

Access: solITOC superuser

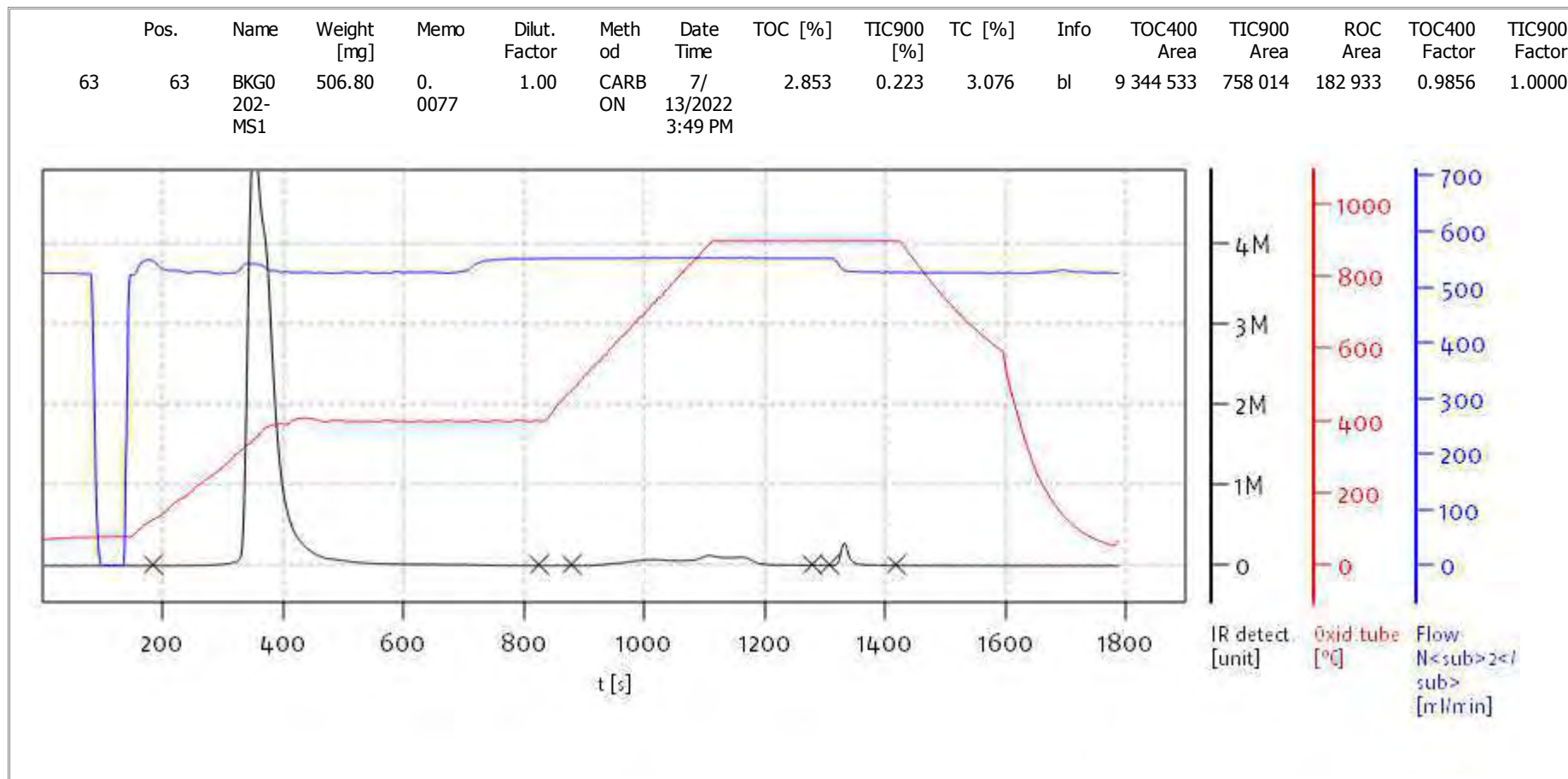
Date: Fri Jul 15 08:39:07 2022



solITOC V2.0.2 (31015f9) 2018-11-19
Serial No: 0300.181017
Mode CCC



Soli TOC Cube, Carbon
Balance: BAL3
Analyst: DOE



Name:

Access: solITOC superuser

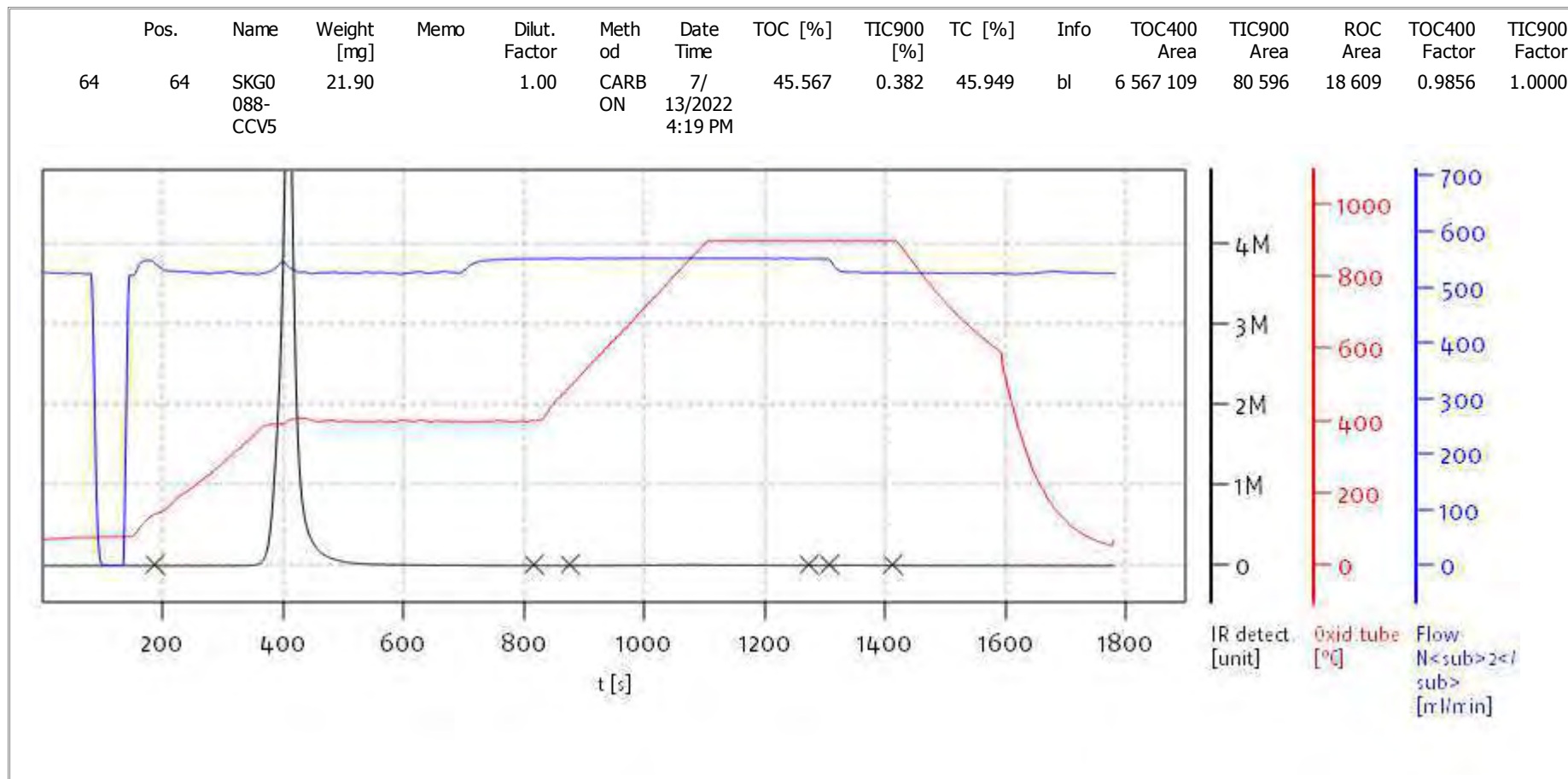
Date: Fri Jul 15 08:39:07 2022



solITOC V2.0.2 (31015f9) 2018-11-19
Serial No: 0300.181017
Mode CCC



Soli TOC Cube, Carbon
Balance: BAL3
Analyst: DOE



Name:

Access: solITOC superuser

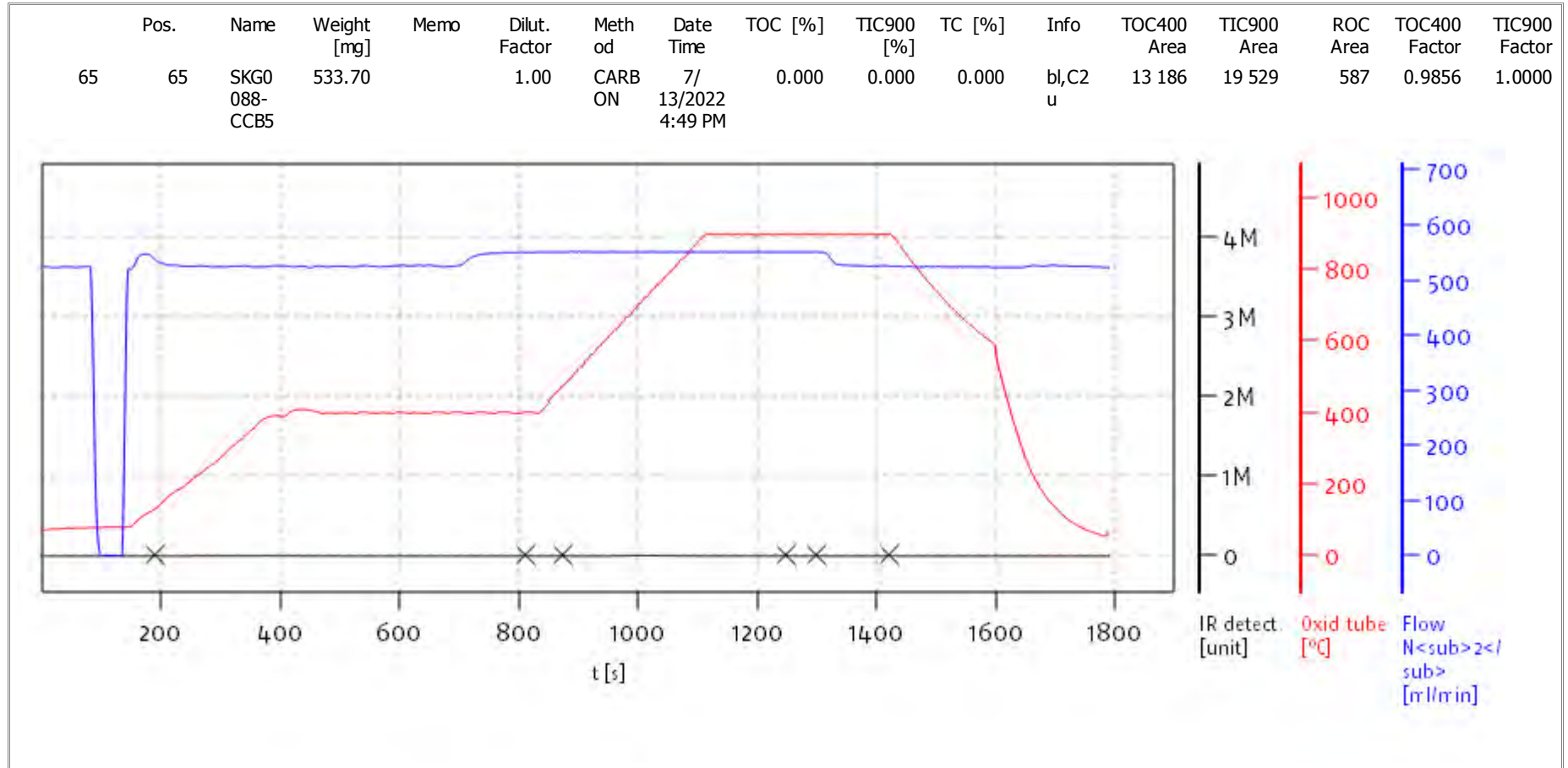
Date: Fri Jul 15 08:39:07 2022



solITOC V2.0.2 (31015f9) 2018-11-19
Serial No: 0300.181017
Mode CCC



Soli TOC Cube, Carbon
Balance: BAL3
Analyst: DOE



Name:

Access: solITOC superuser

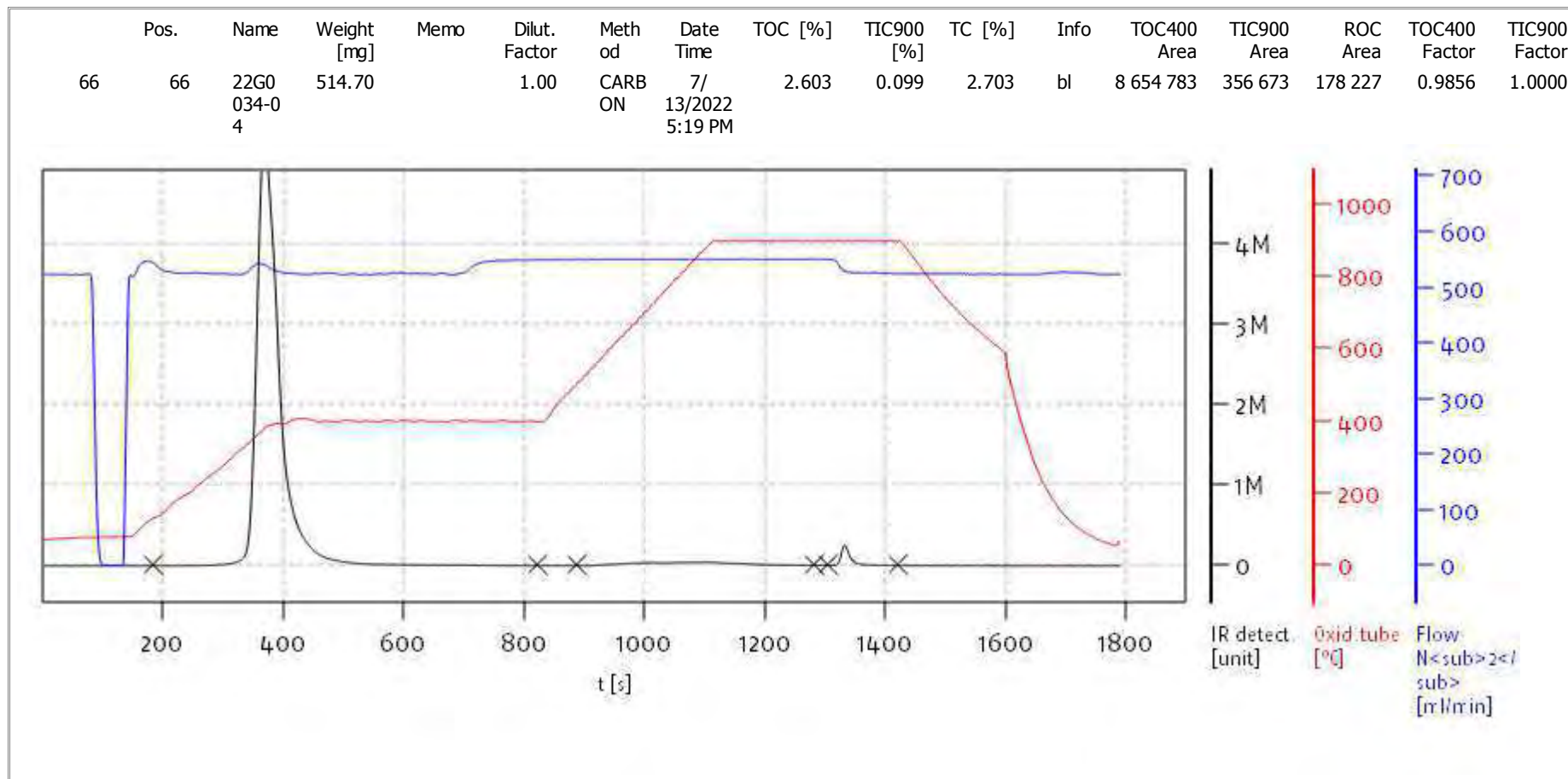
Date: Fri Jul 15 08:39:07 2022



solITOC V2.0.2 (31015f9) 2018-11-19
Serial No: 0300.181017
Mode CCC



Soli TOC Cube, Carbon
Balance: BAL3
Analyst: DOE



Name:

Access: solITOC superuser

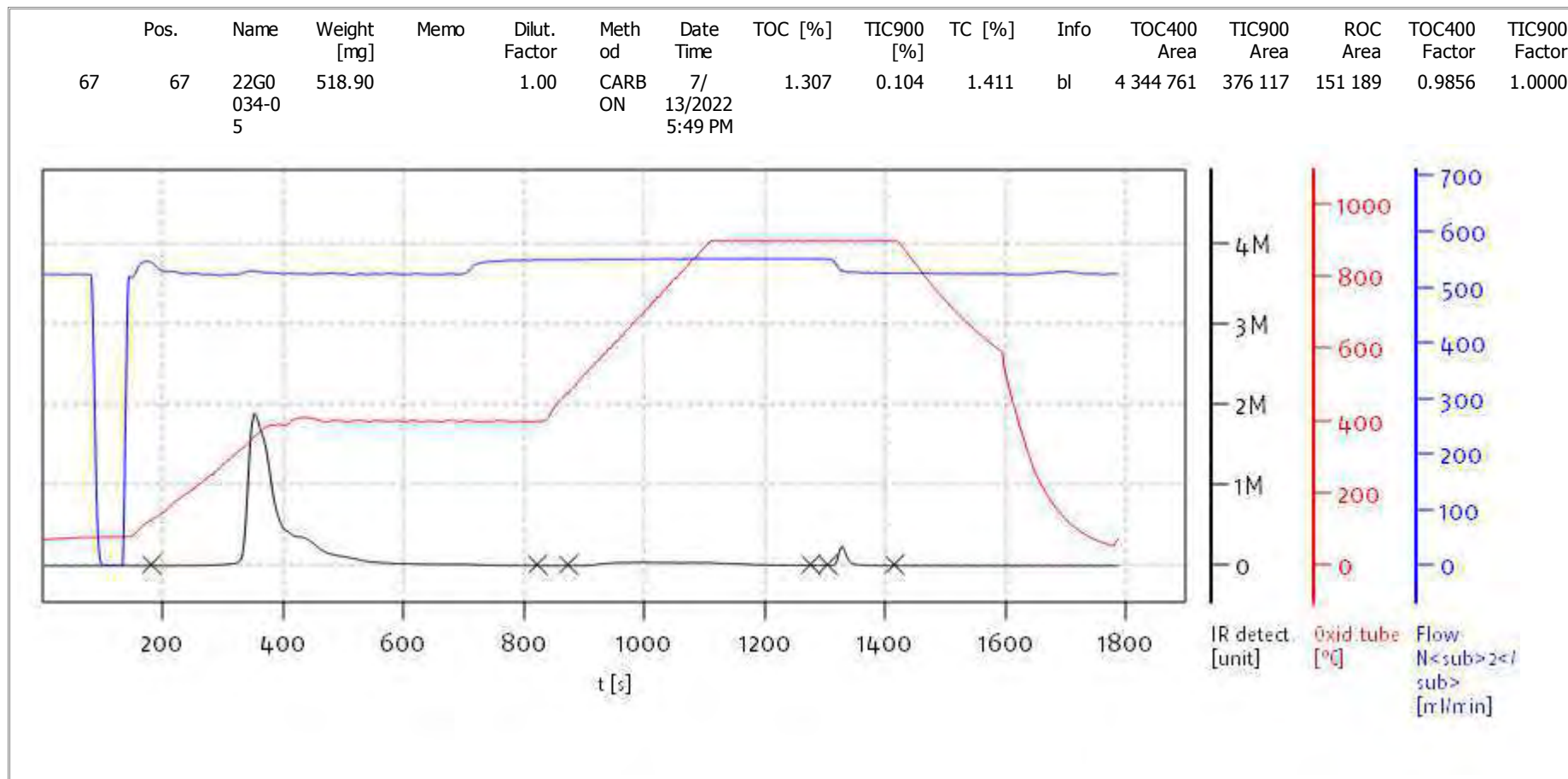
Date: Fri Jul 15 08:39:07 2022



solITOC V2.0.2 (31015f9) 2018-11-19
Serial No: 0300.181017
Mode CCC



Soli TOC Cube, Carbon
Balance: BAL3
Analyst: DOE



Name:

Access: solITOC superuser

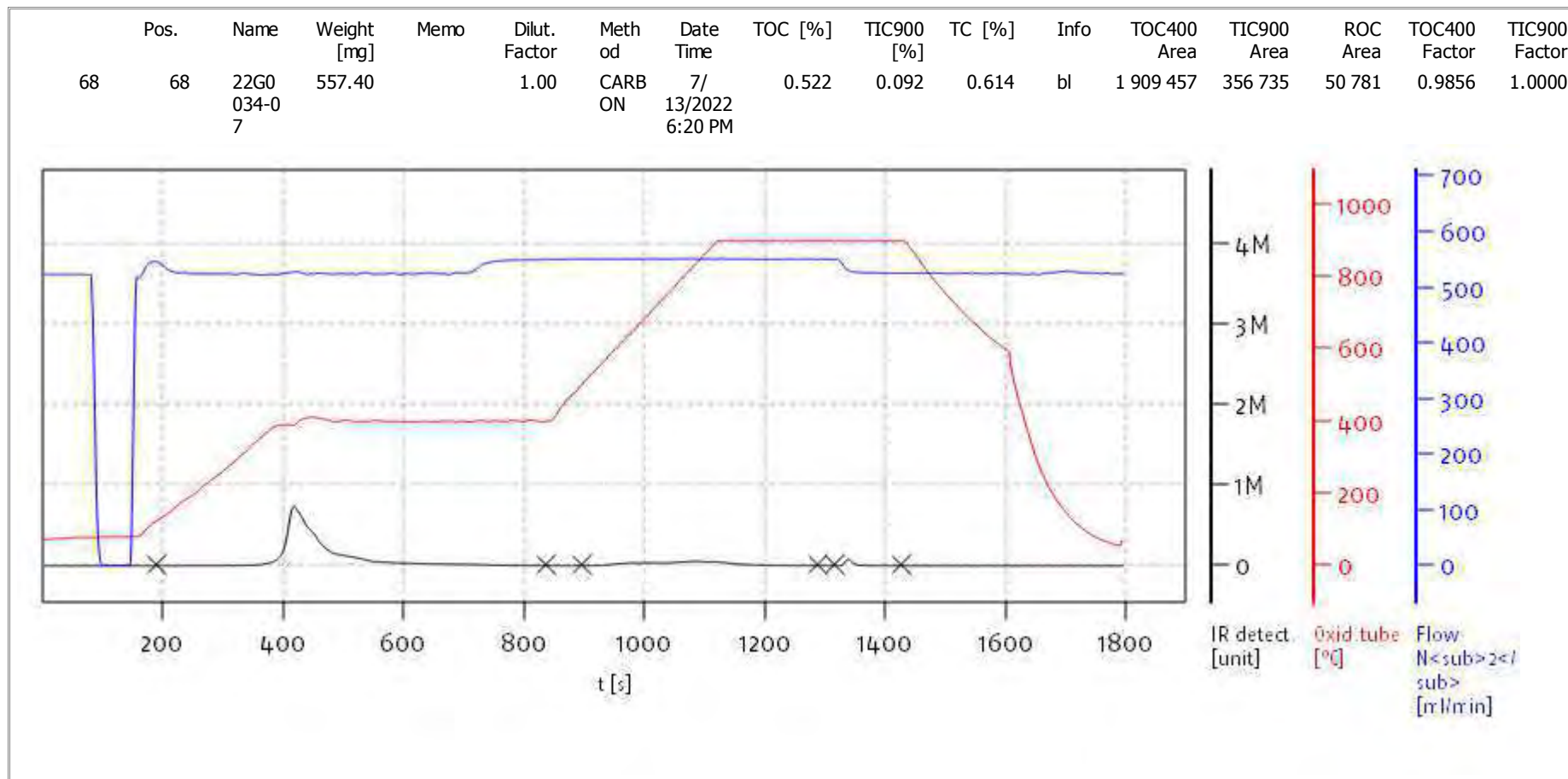
Date: Fri Jul 15 08:39:07 2022



solITOC V2.0.2 (31015f9) 2018-11-19
Serial No: 0300.181017
Mode CCC



Soli TOC Cube, Carbon
Balance: BAL3
Analyst: DOE



Name:

Access: solITOC superuser

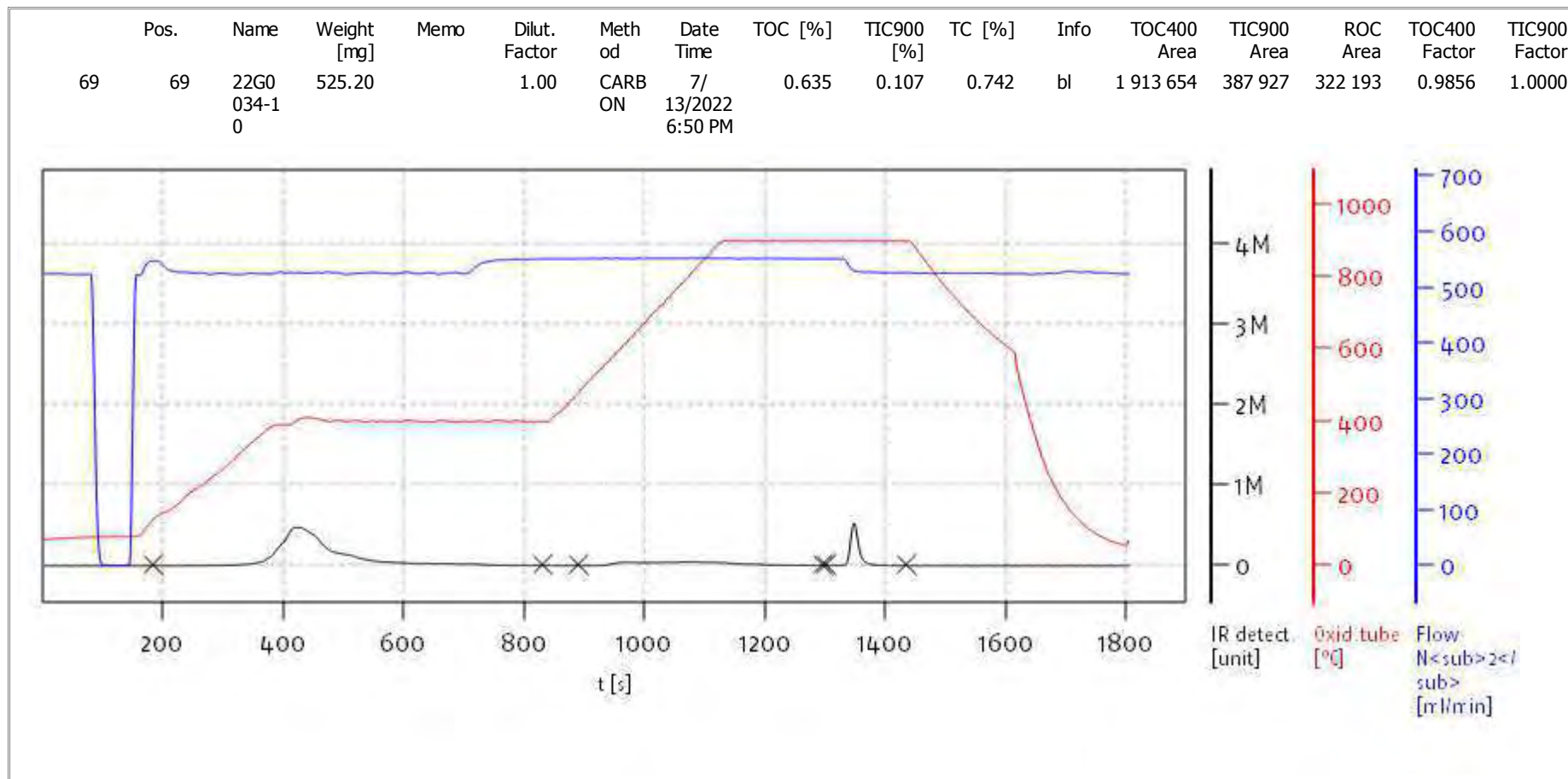
Date: Fri Jul 15 08:39:07 2022



solITOC V2.0.2 (31015f9) 2018-11-19
Serial No: 0300.181017
Mode CCC



Soli TOC Cube, Carbon
Balance: BAL3
Analyst: DOE



Name:

Access: solITOC superuser

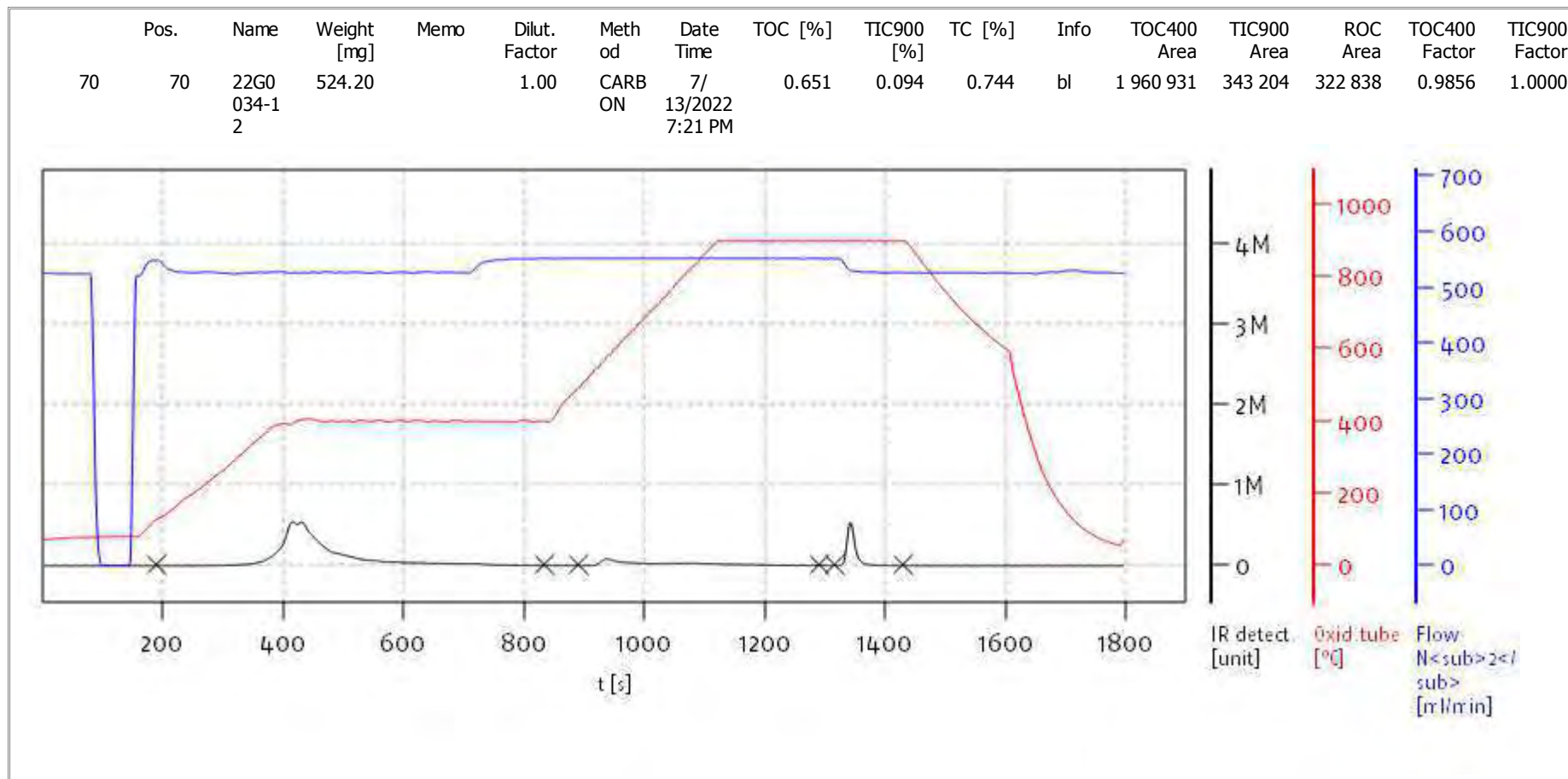
Date: Fri Jul 15 08:39:07 2022



solITOC V2.0.2 (31015f9) 2018-11-19
Serial No: 0300.181017
Mode CCC



Soli TOC Cube, Carbon
Balance: BAL3
Analyst: DOE



Name:

Access: solITOC superuser

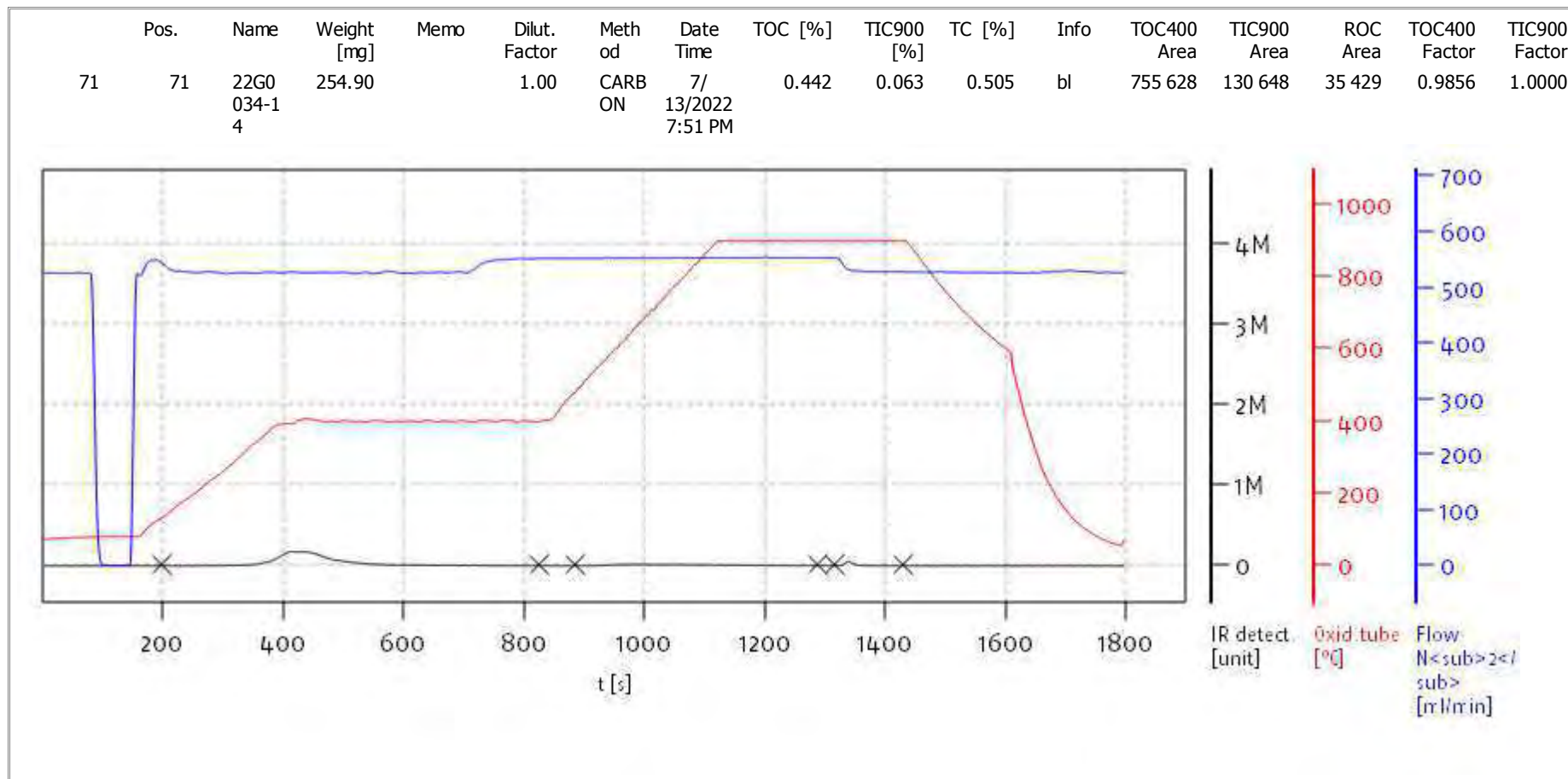
Date: Fri Jul 15 08:39:07 2022



solITOC V2.0.2 (31015f9) 2018-11-19
Serial No: 0300.181017
Mode CCC



Soli TOC Cube, Carbon
Balance: BAL3
Analyst: DOE



Name:

Access: solITOC superuser

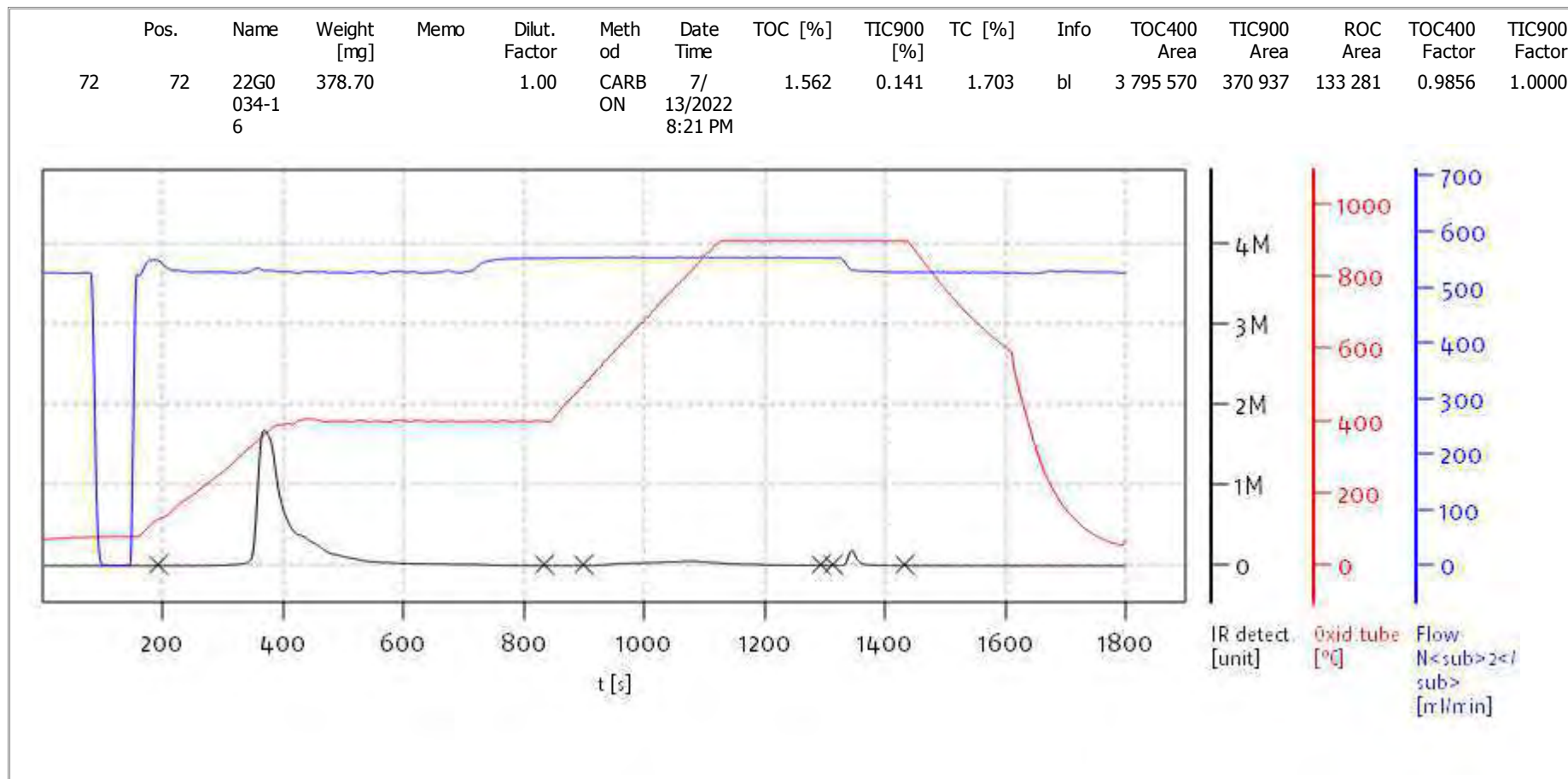
Date: Fri Jul 15 08:39:07 2022



solITOC V2.0.2 (31015f9) 2018-11-19
Serial No: 0300.181017
Mode CCC



Soli TOC Cube, Carbon
Balance: BAL3
Analyst: DOE



Name:

Access: solITOC superuser

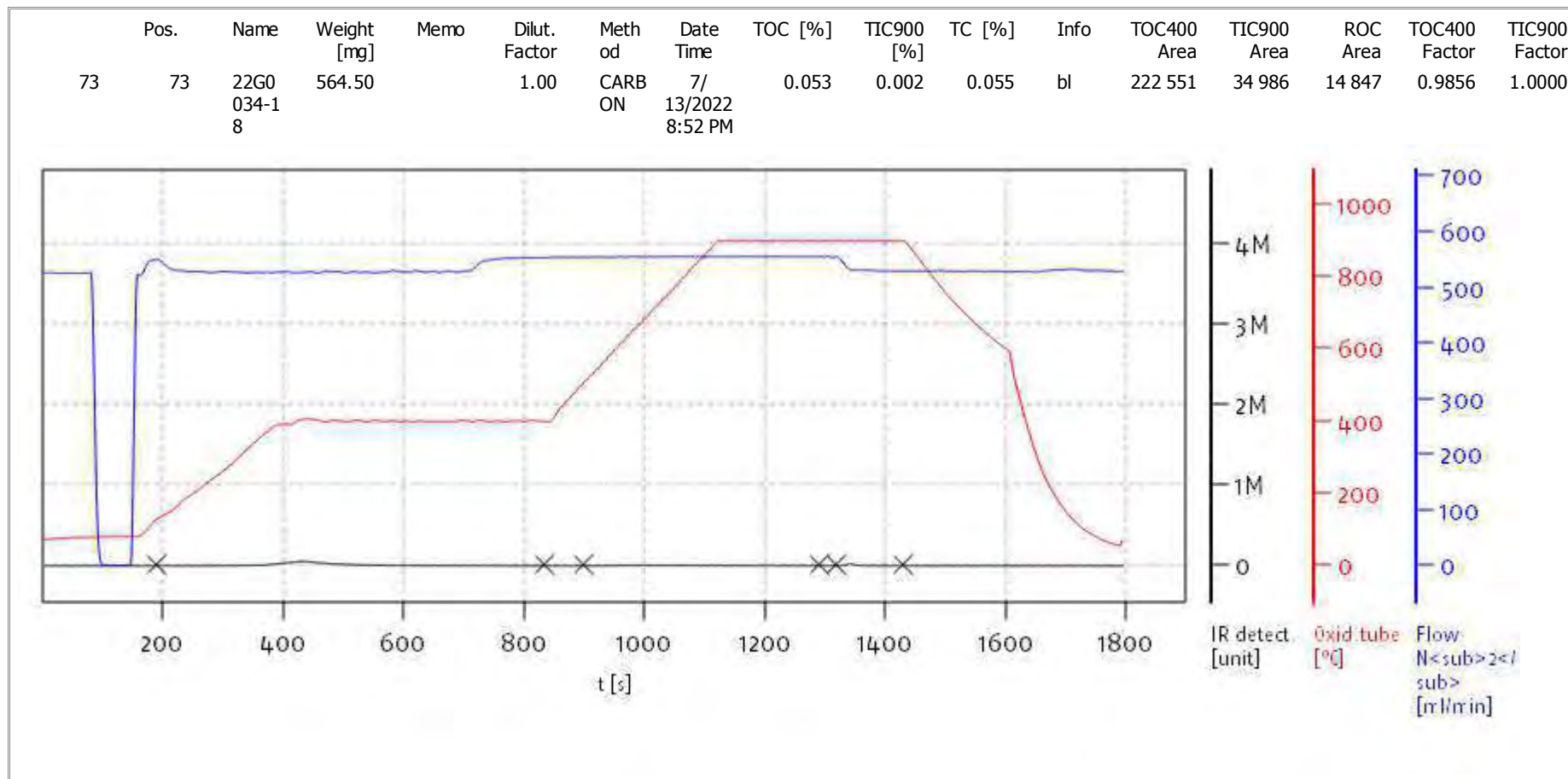
Date: Fri Jul 15 08:39:07 2022



solITOC V2.0.2 (31015f9) 2018-11-19
Serial No: 0300.181017
Mode CCC



Soli TOC Cube, Carbon
Balance: BAL3
Analyst: DOE



Name:

Access: solITOC superuser

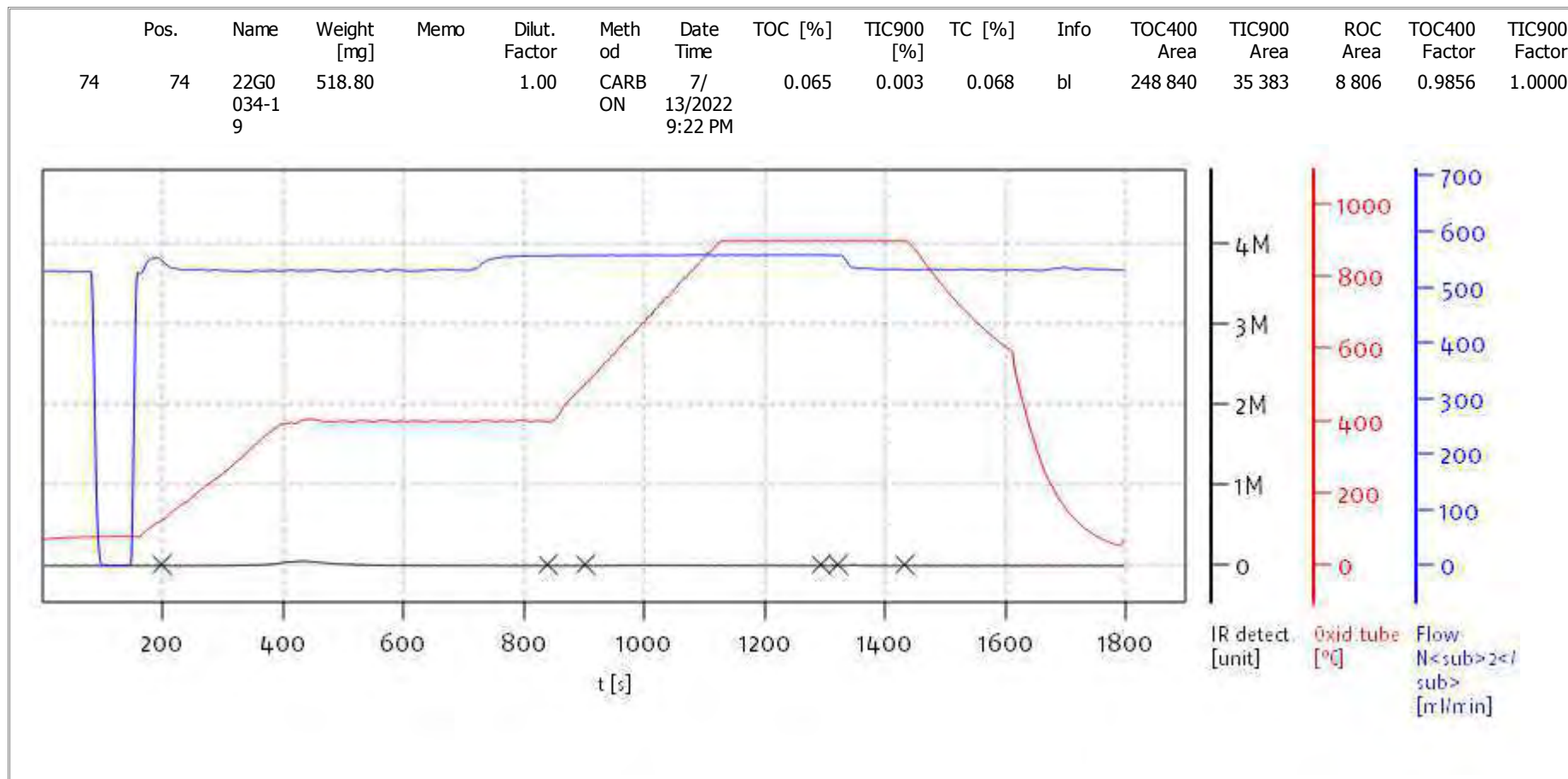
Date: Fri Jul 15 08:39:07 2022



solITOC V2.0.2 (31015f9) 2018-11-19
Serial No: 0300.181017
Mode CCC



Soli TOC Cube, Carbon
Balance: BAL3
Analyst: DOE



Name:

Access: solITOC superuser

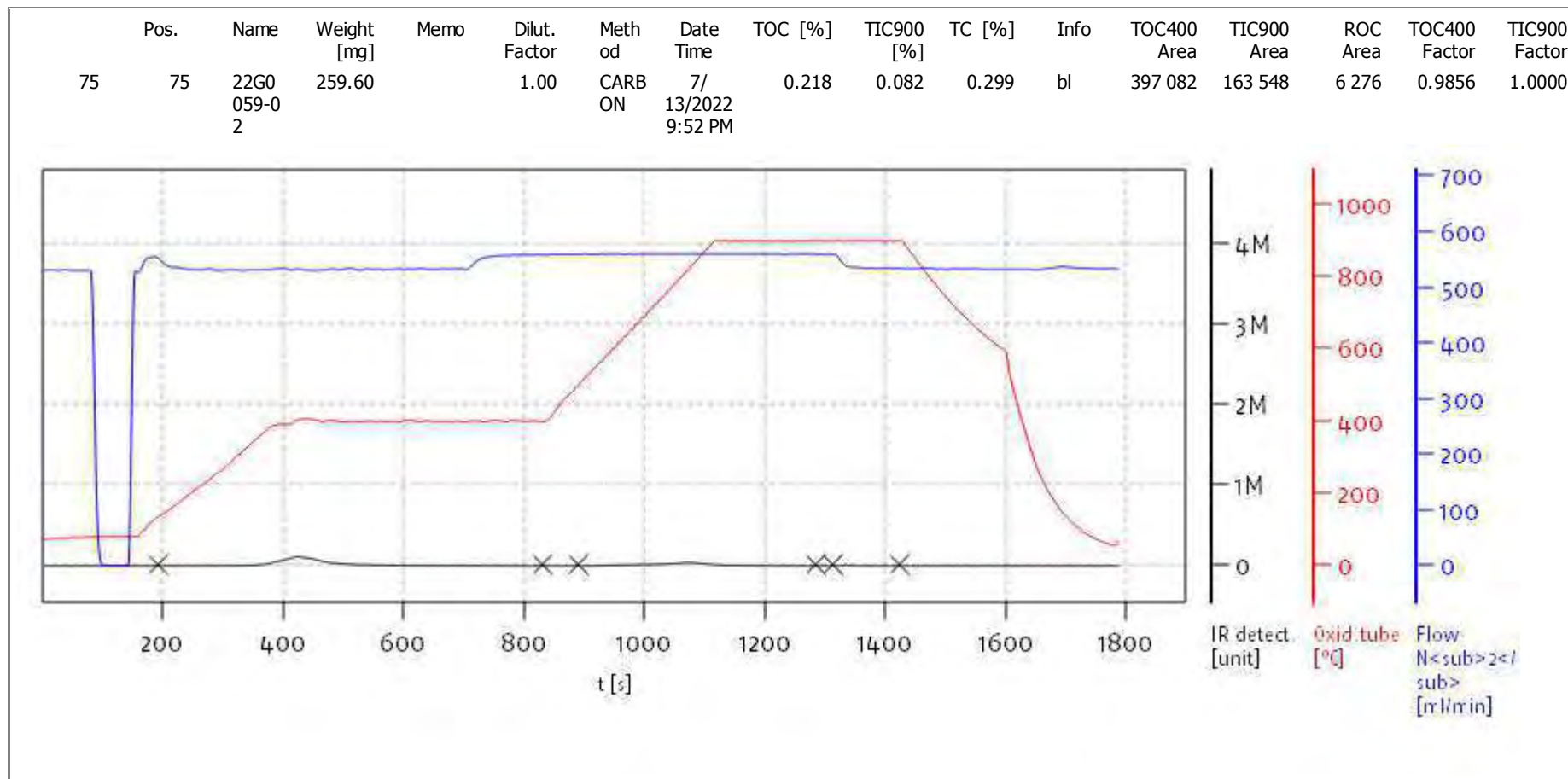
Date: Fri Jul 15 08:39:07 2022



solITOC V2.0.2 (31015f9) 2018-11-19
Serial No: 0300.181017
Mode CCC



Soli TOC Cube, Carbon
Balance: BAL3
Analyst: DOE



Name:

Access: solITOC superuser

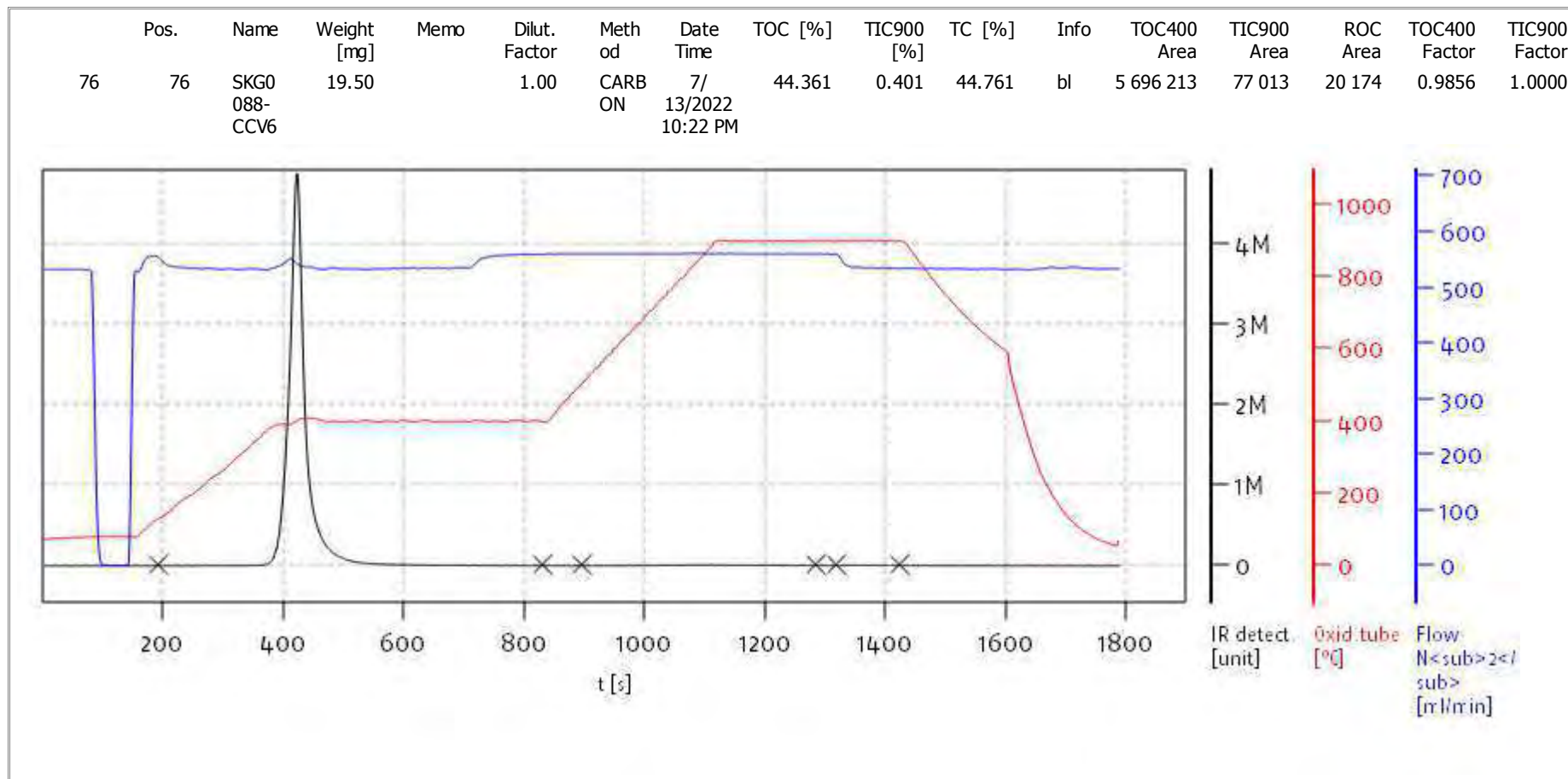
Date: Fri Jul 15 08:39:07 2022



solITOC V2.0.2 (31015f9) 2018-11-19
Serial No: 0300.181017
Mode CCC



Soli TOC Cube, Carbon
Balance: BAL3
Analyst: DOE



Name:

Access: solITOC superuser

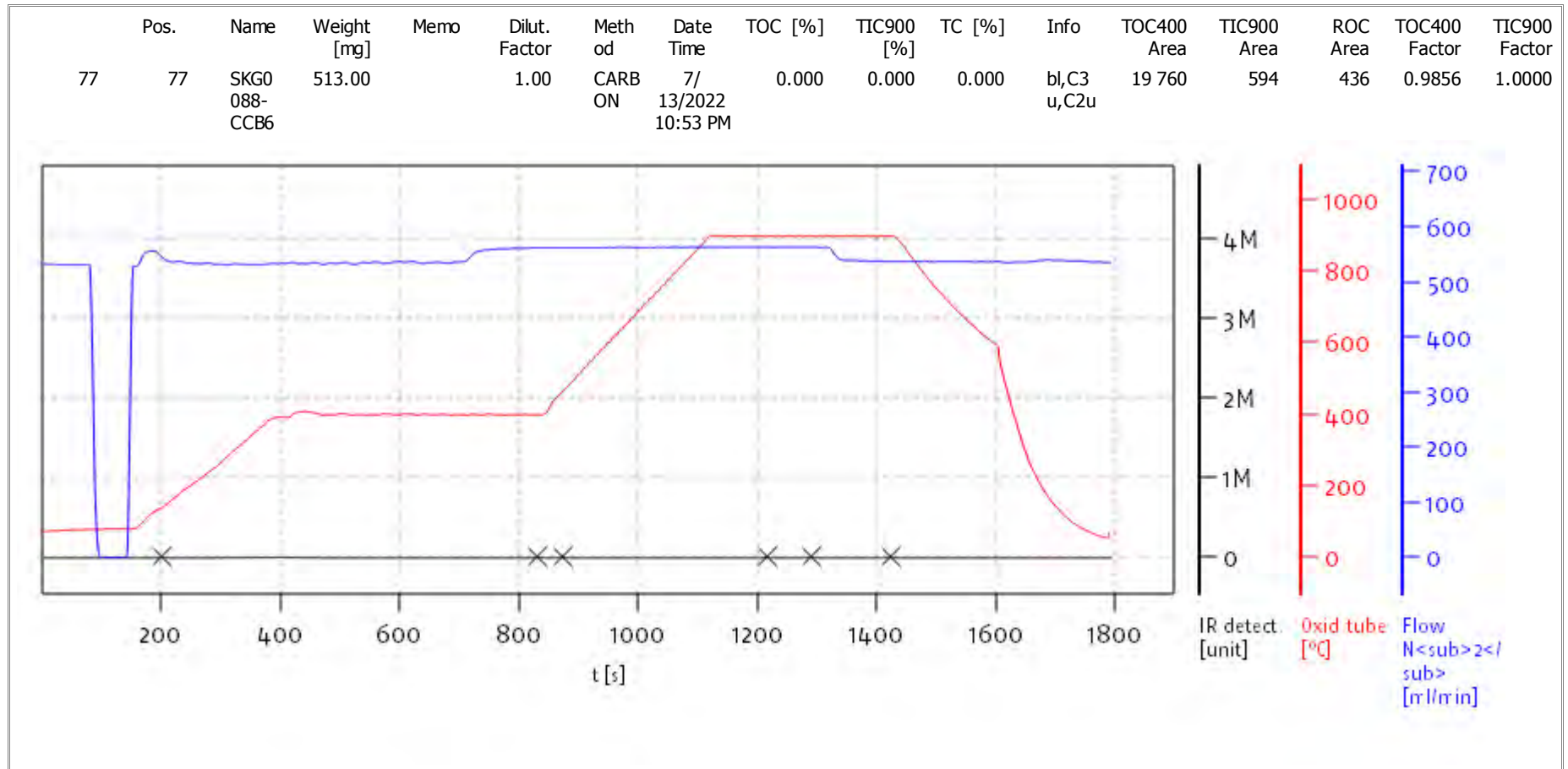
Date: Fri Jul 15 08:39:07 2022



solITOC V2.0.2 (31015f9) 2018-11-19
Serial No: 0300.181017
Mode CCC



Soli TOC Cube, Carbon
Balance: BAL3
Analyst: DOE



Name:

Access: solITOC superuser

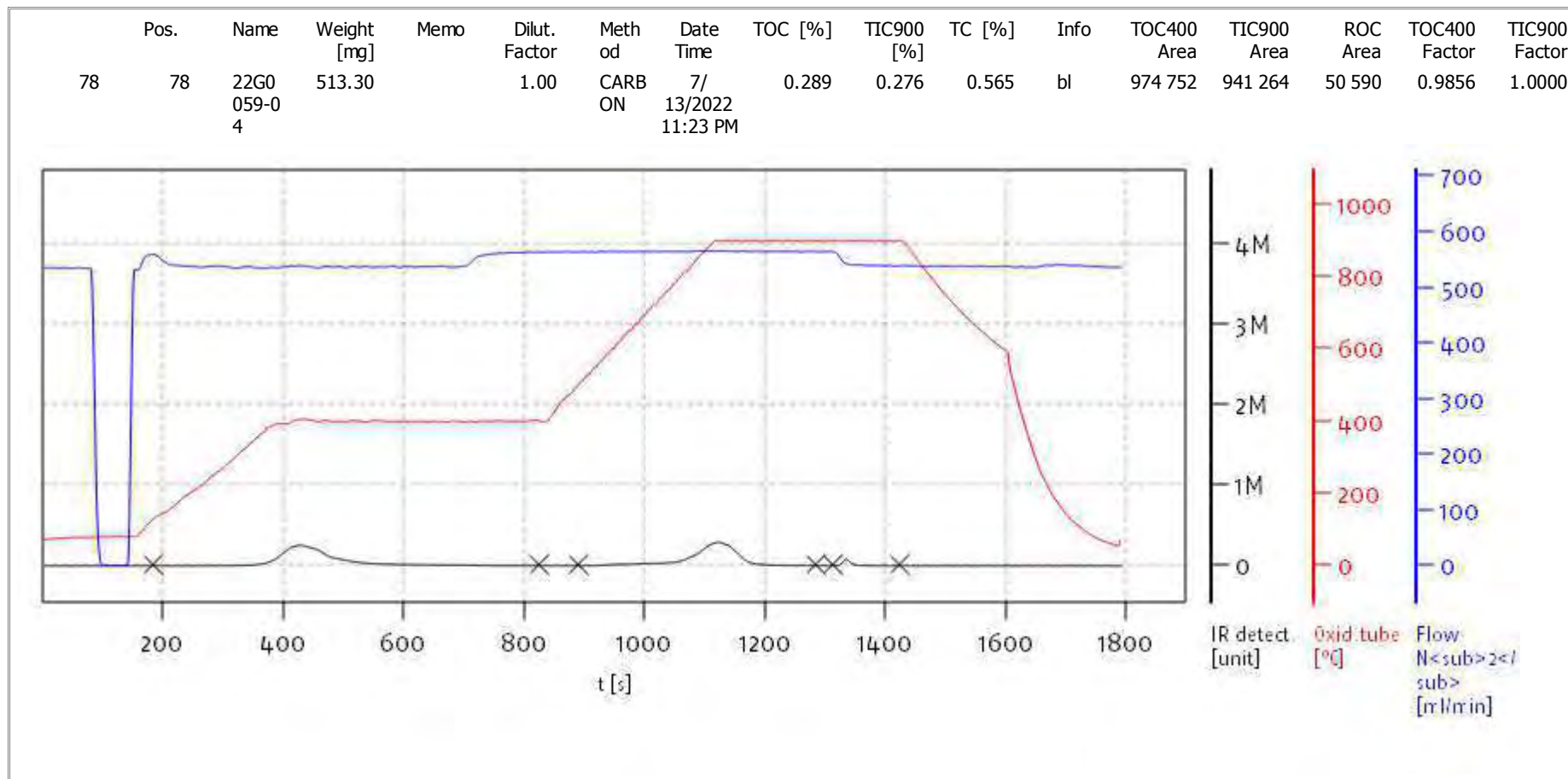
Date: Fri Jul 15 08:39:07 2022



solITOC V2.0.2 (31015f9) 2018-11-19
Serial No: 0300.181017
Mode CCC



Soli TOC Cube, Carbon
Balance: BAL3
Analyst: DOE



Name:

Access: solITOC superuser

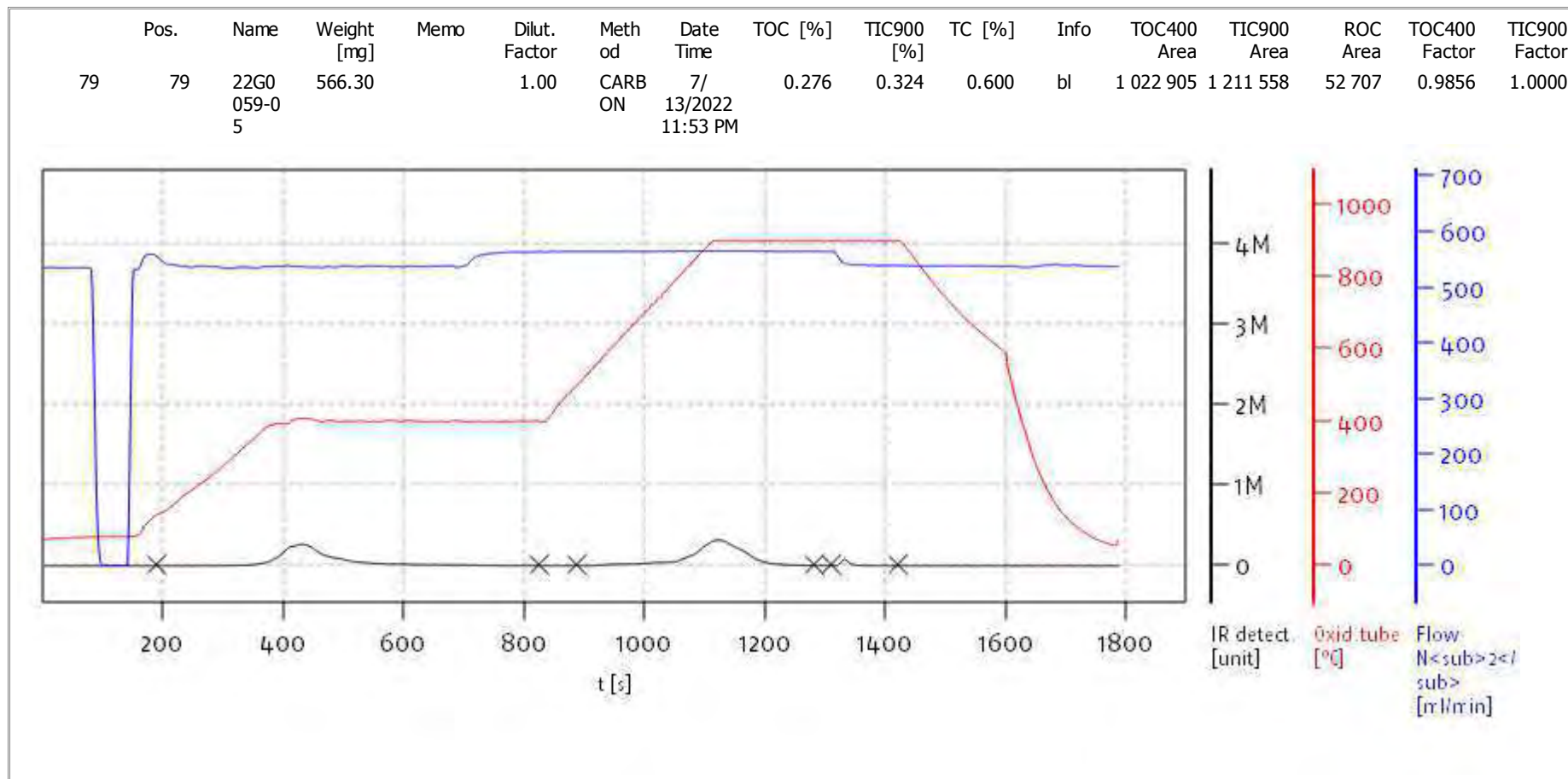
Date: Fri Jul 15 08:39:07 2022



solITOC V2.0.2 (31015f9) 2018-11-19
Serial No: 0300.181017
Mode CCC



Soli TOC Cube, Carbon
Balance: BAL3
Analyst: DOE



Name:

Access: solITOC superuser

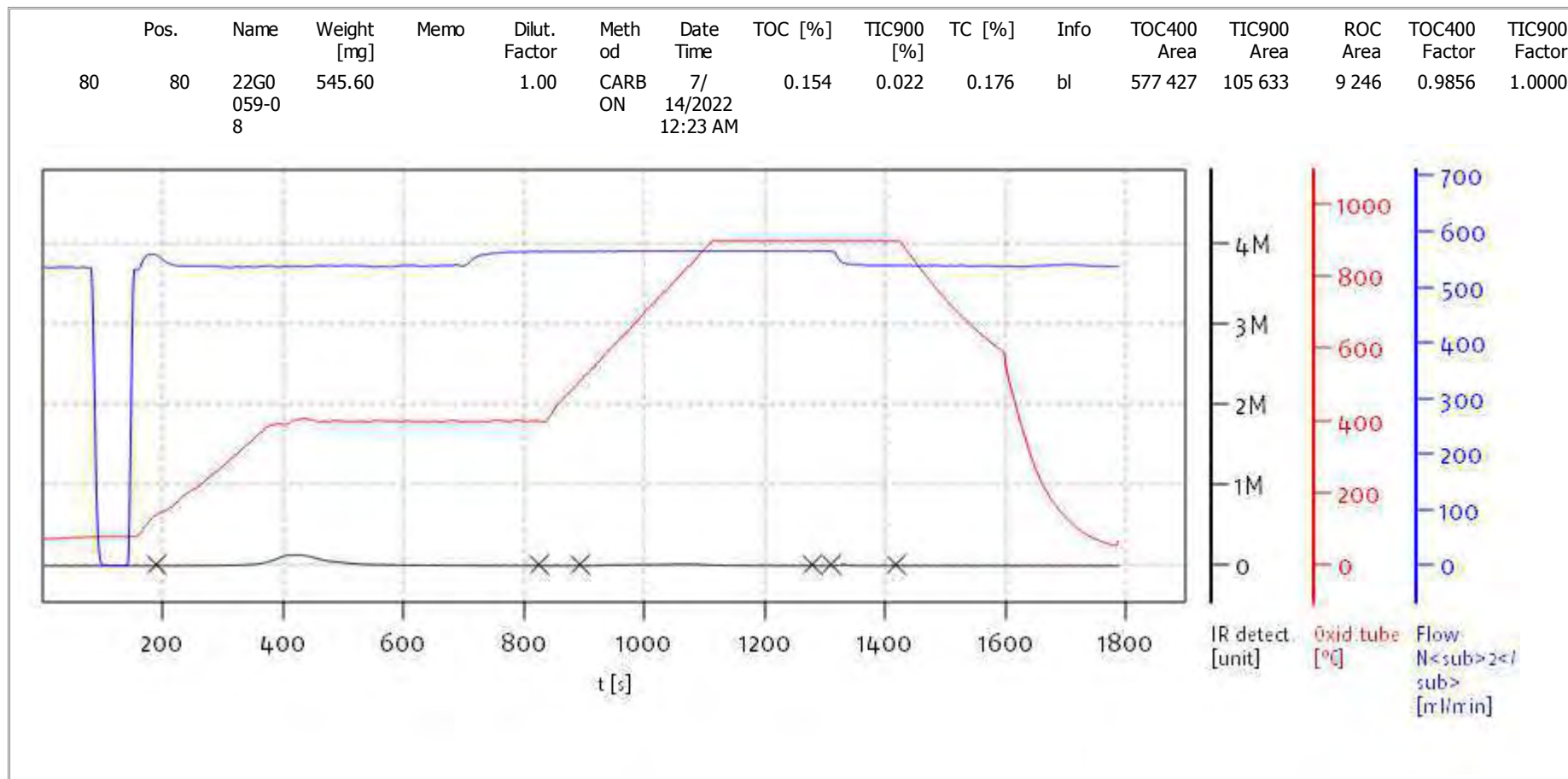
Date: Fri Jul 15 08:39:07 2022



solITOC V2.0.2 (31015f9) 2018-11-19
Serial No: 0300.181017
Mode CCC



Soli TOC Cube, Carbon
Balance: BAL3
Analyst: DOE



Name:

Access: solITOC superuser

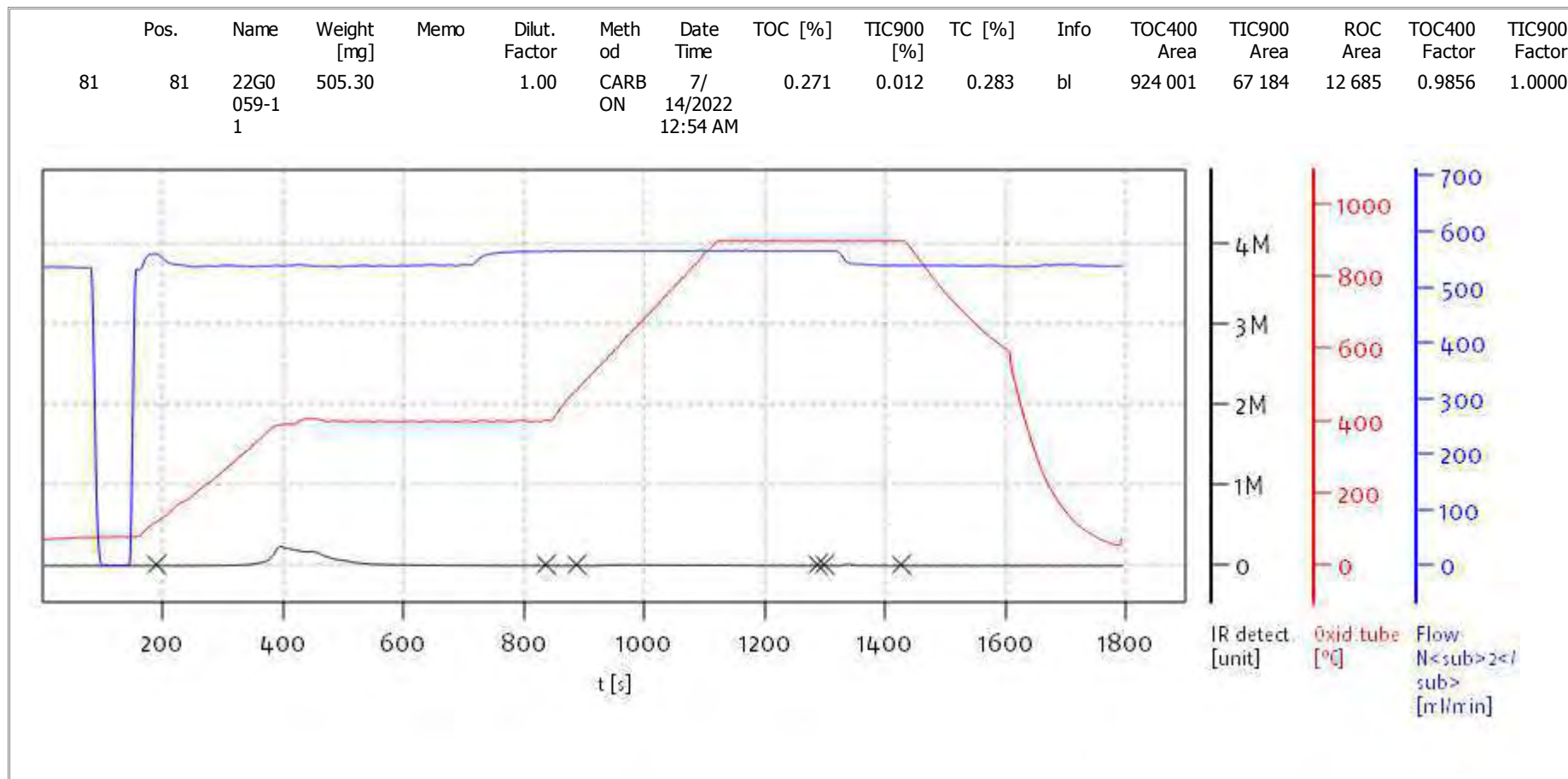
Date: Fri Jul 15 08:39:07 2022



solITOC V2.0.2 (31015f9) 2018-11-19
Serial No: 0300.181017
Mode CCC



Soli TOC Cube, Carbon
Balance: BAL3
Analyst: DOE



Name:

Access: solITOC superuser

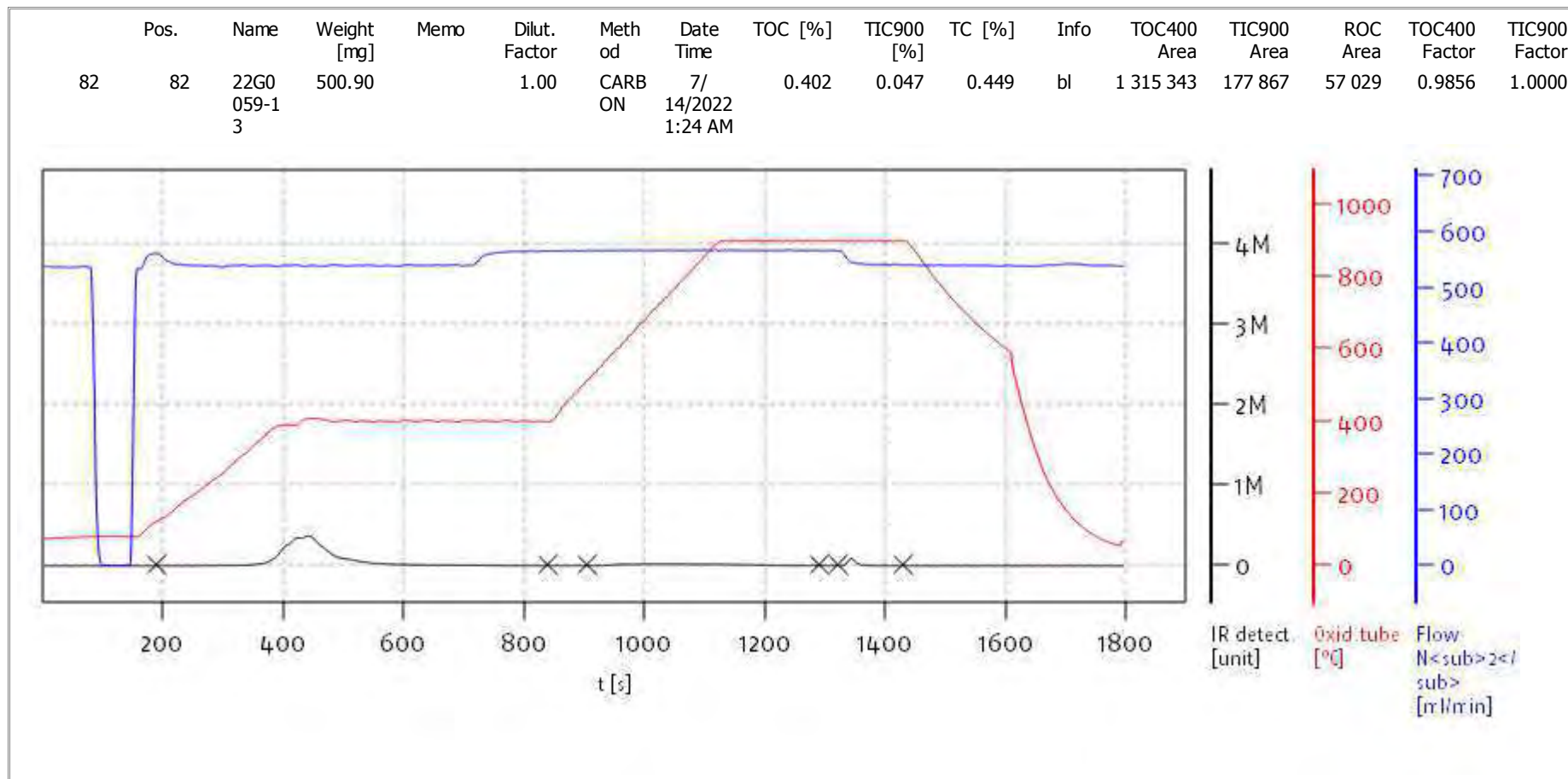
Date: Fri Jul 15 08:39:07 2022



solITOC V2.0.2 (31015f9) 2018-11-19
Serial No: 0300.181017
Mode CCC



Soli TOC Cube, Carbon
Balance: BAL3
Analyst: DOE



Name:

Access: solITOC superuser

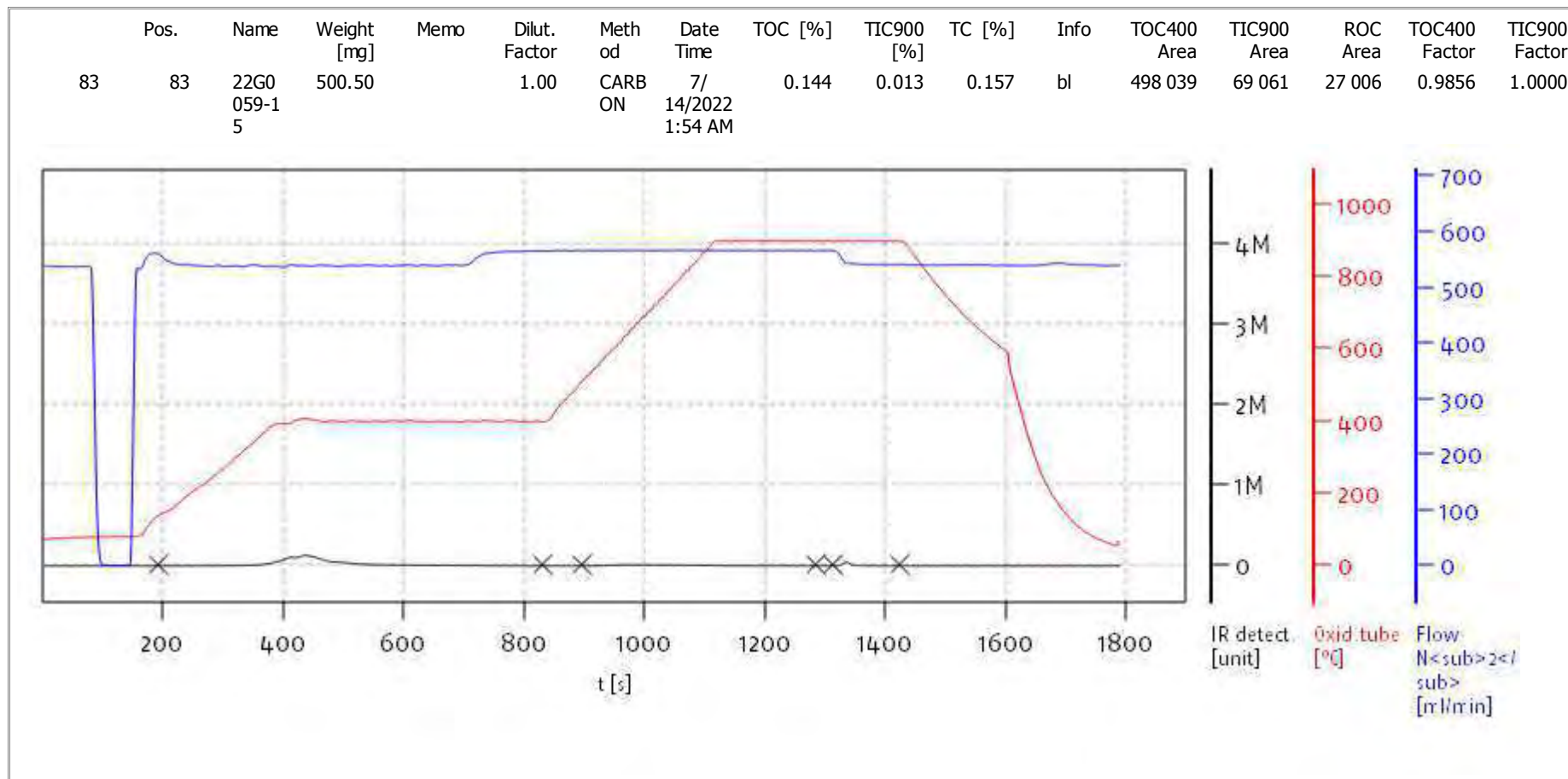
Date: Fri Jul 15 08:39:07 2022



solITOC V2.0.2 (31015f9) 2018-11-19
Serial No: 0300.181017
Mode CCC



Soli TOC Cube, Carbon
Balance: BAL3
Analyst: DOE



Name:

Access: solITOC superuser

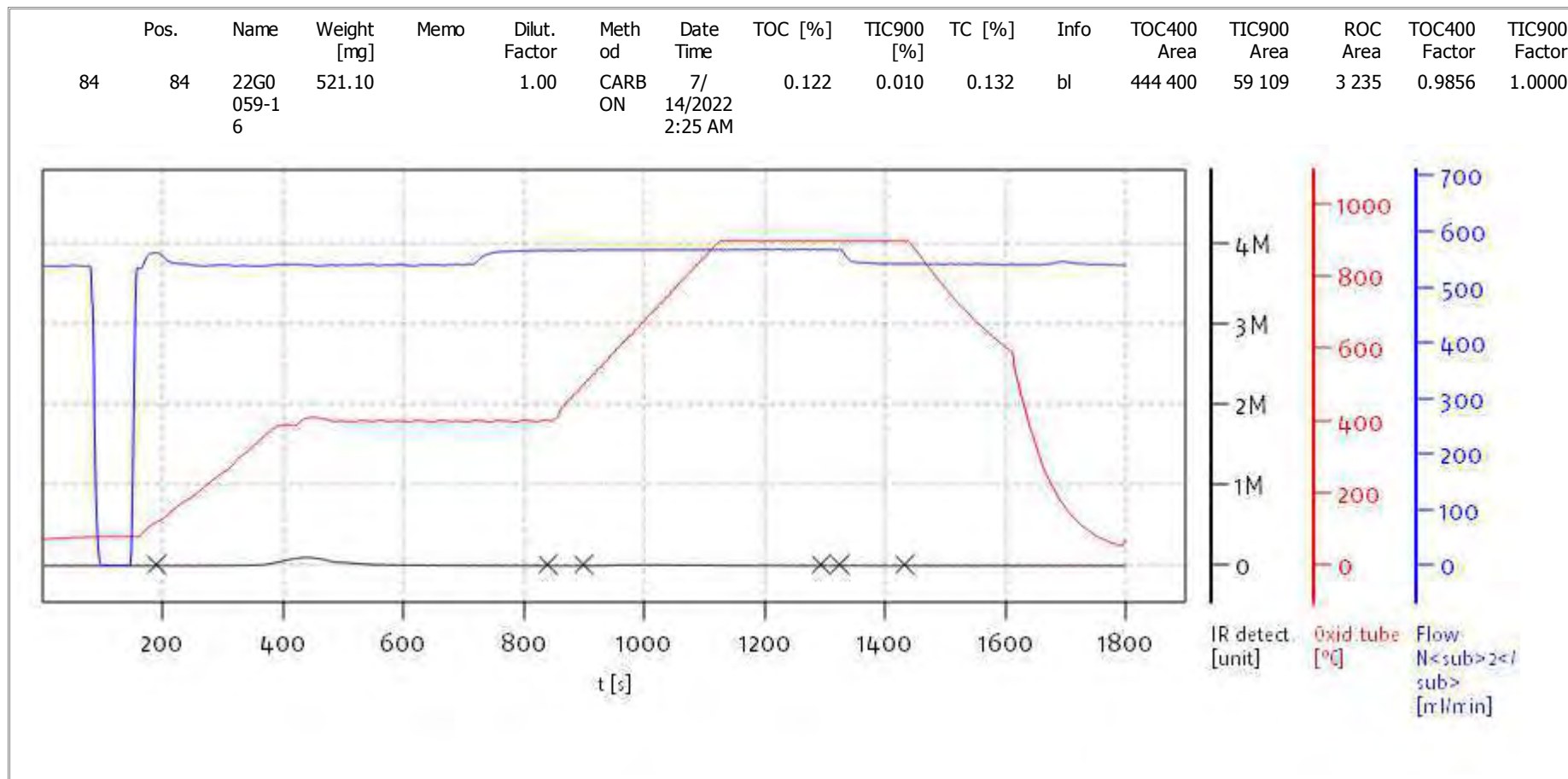
Date: Fri Jul 15 08:39:07 2022



solITOC V2.0.2 (31015f9) 2018-11-19
Serial No: 0300.181017
Mode CCC



Soli TOC Cube, Carbon
Balance: BAL3
Analyst: DOE



Name:

Access: solITOC superuser

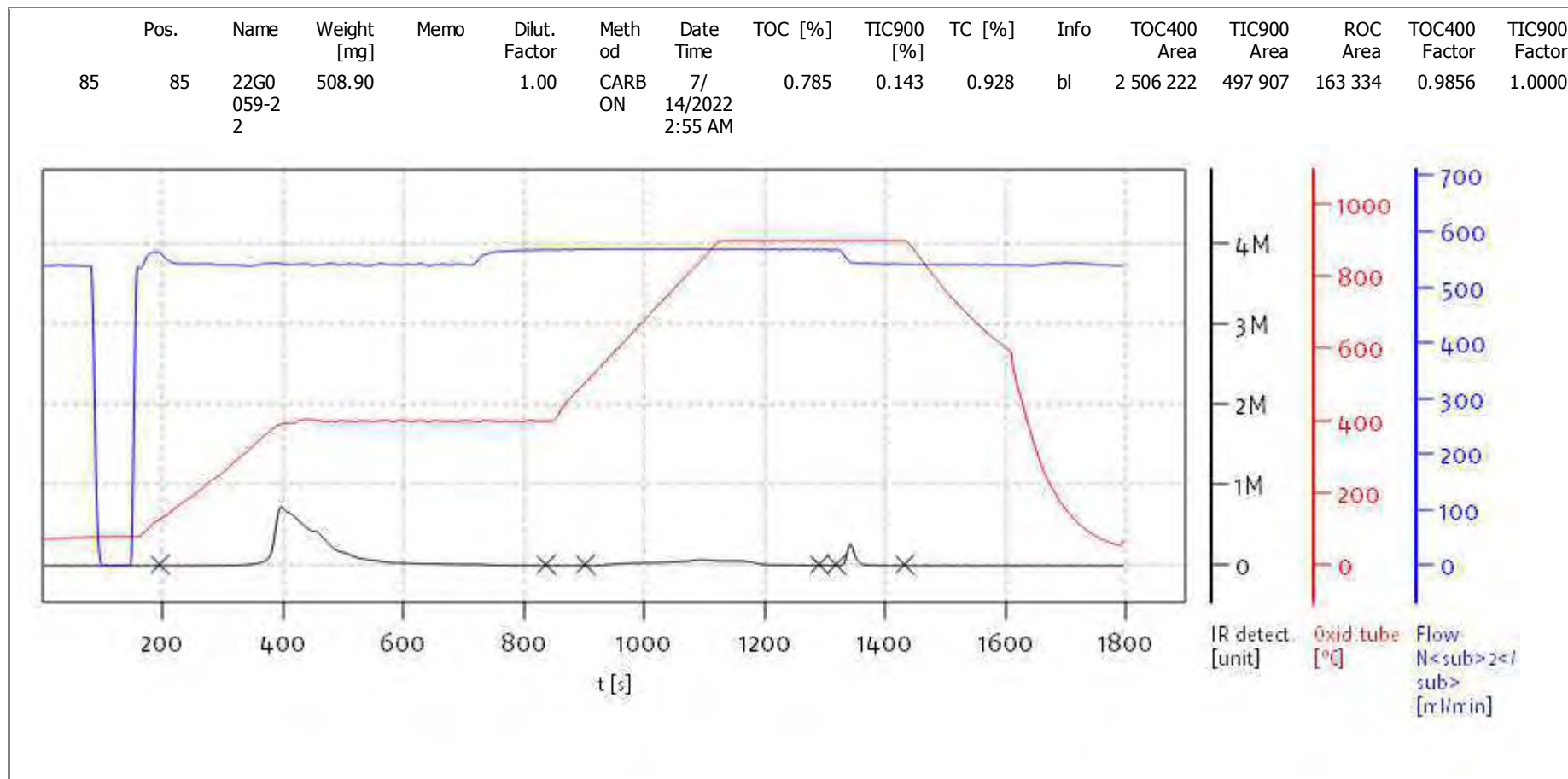
Date: Fri Jul 15 08:39:07 2022



solITOC V2.0.2 (31015f9) 2018-11-19
Serial No: 0300.18107
Mode CCC



Soli TOC Cube, Carbon
Balance: BAL3
Analyst: DOE



Name:

Access: solITOC superuser

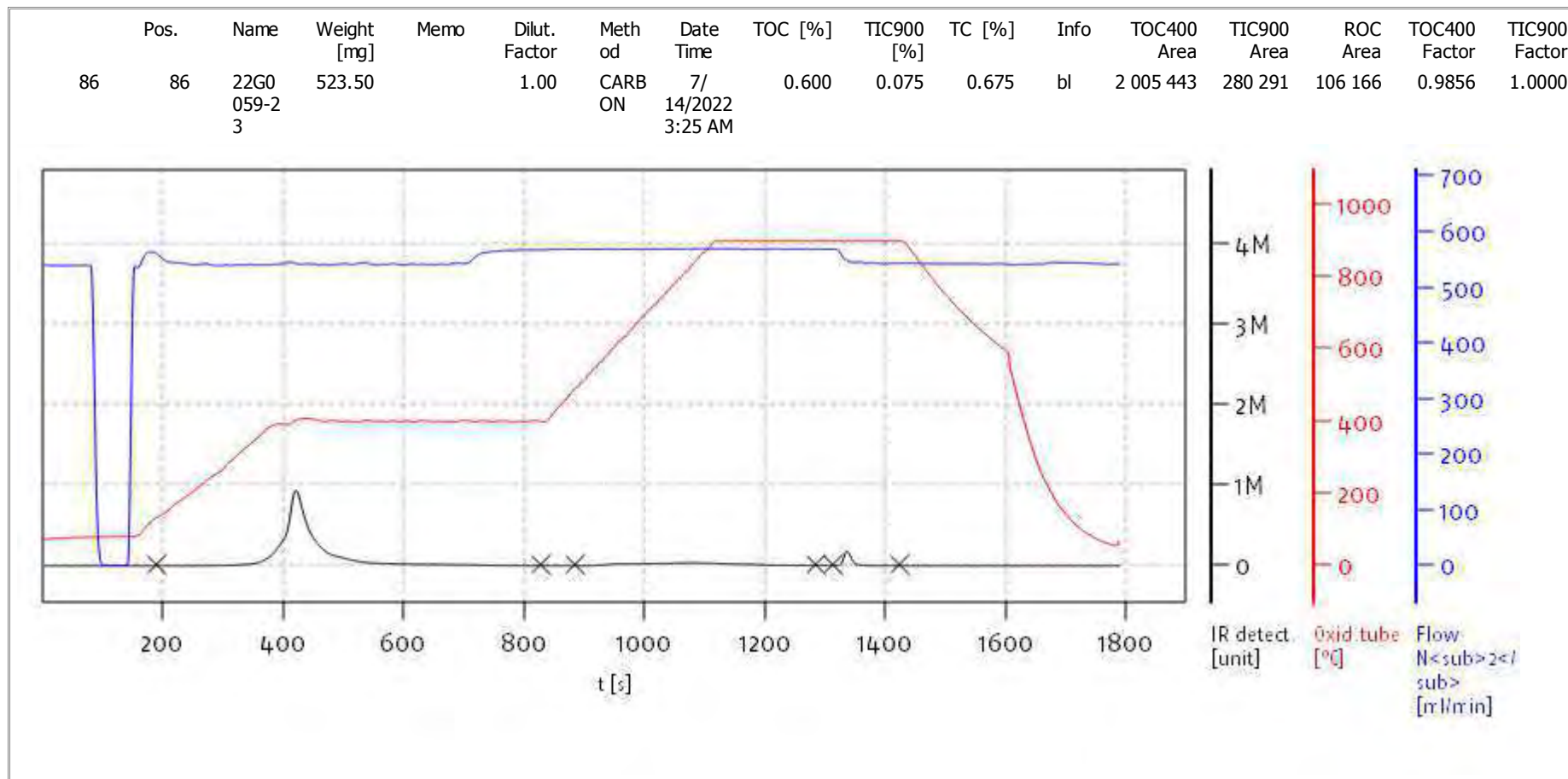
Date: Fri Jul 15 08:39:07 2022



solITOC V2.0.2 (31015f9) 2018-11-19
Serial No: 0300.18107
Mode CCC



Soli TOC Cube, Carbon
Balance: BAL3
Analyst: DOE



Name:

Access: solITOC superuser

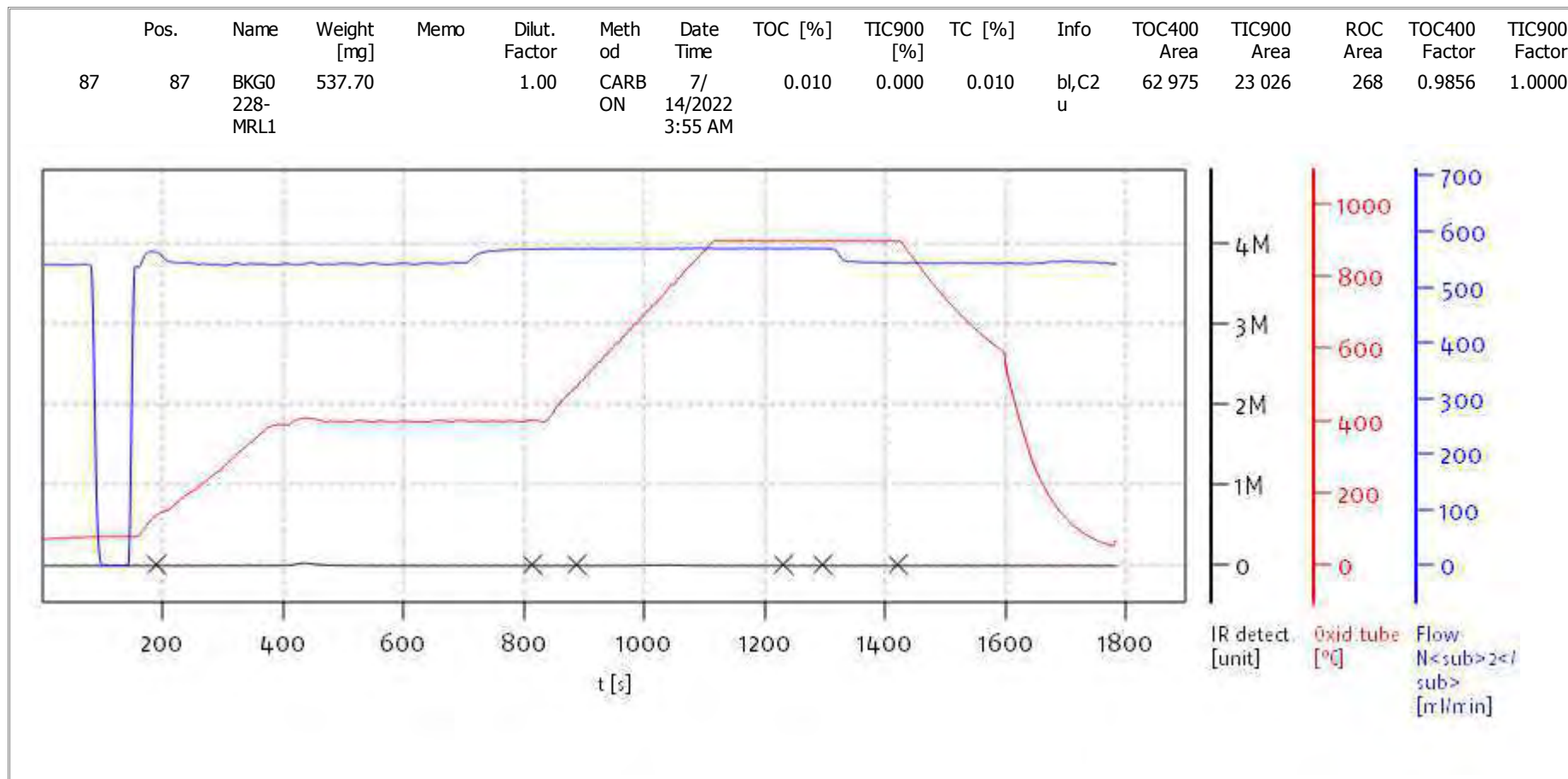
Date: Fri Jul 15 08:39:07 2022



solITOC V2.0.2 (31015f9) 2018-11-19
Serial No: 0300.181017
Mode CCC



Soli TOC Cube, Carbon
Balance: BAL3
Analyst: DOE



Name:

Access: solITOC superuser

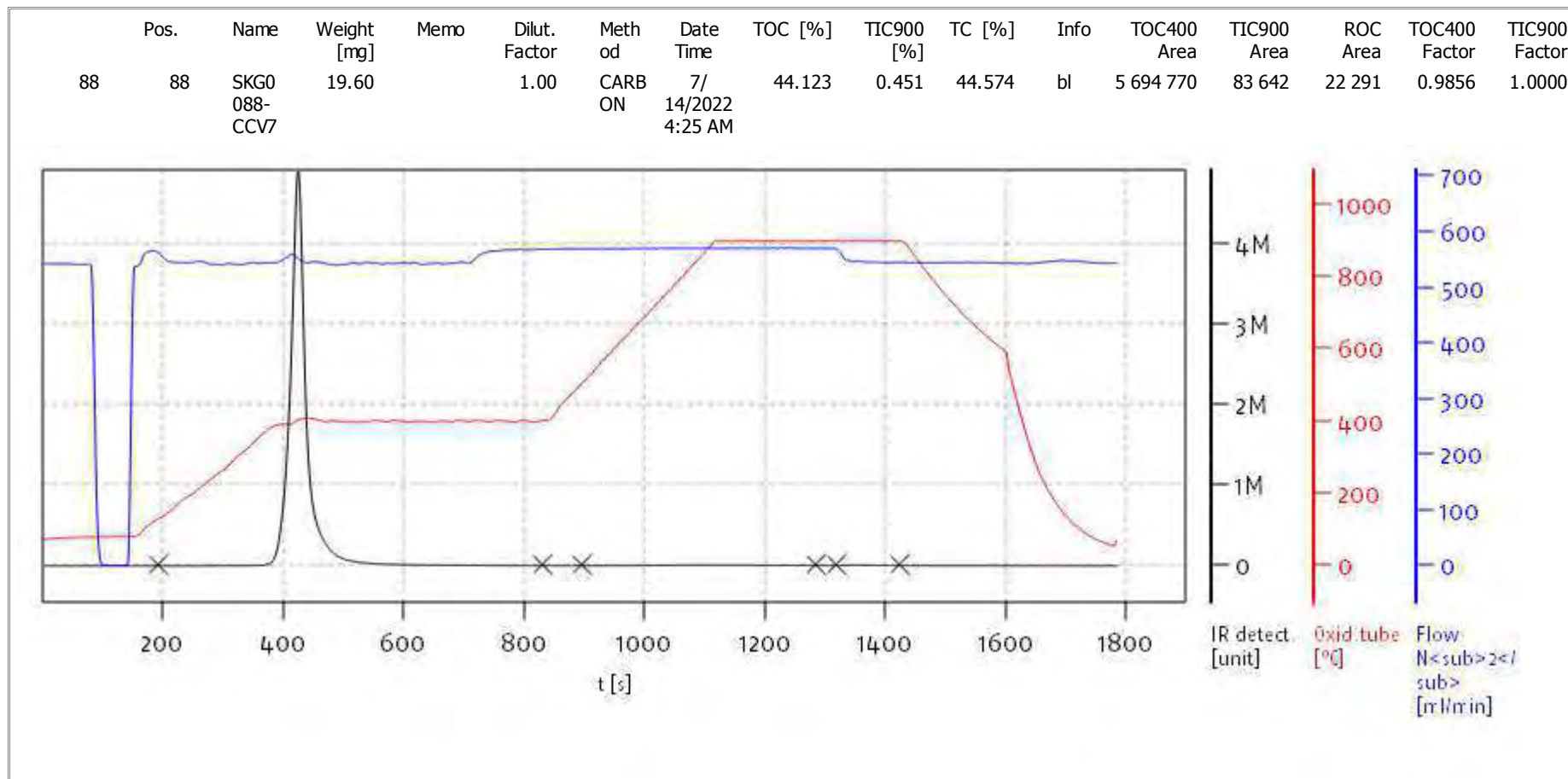
Date: Fri Jul 15 08:39:07 2022



solITOC V2.0.2 (31015f9) 2018-11-19
Serial No: 0300.181017
Mode CCC



Soli TOC Cube, Carbon
Balance: BAL3
Analyst: DOE



Name:

Access: solITOC superuser

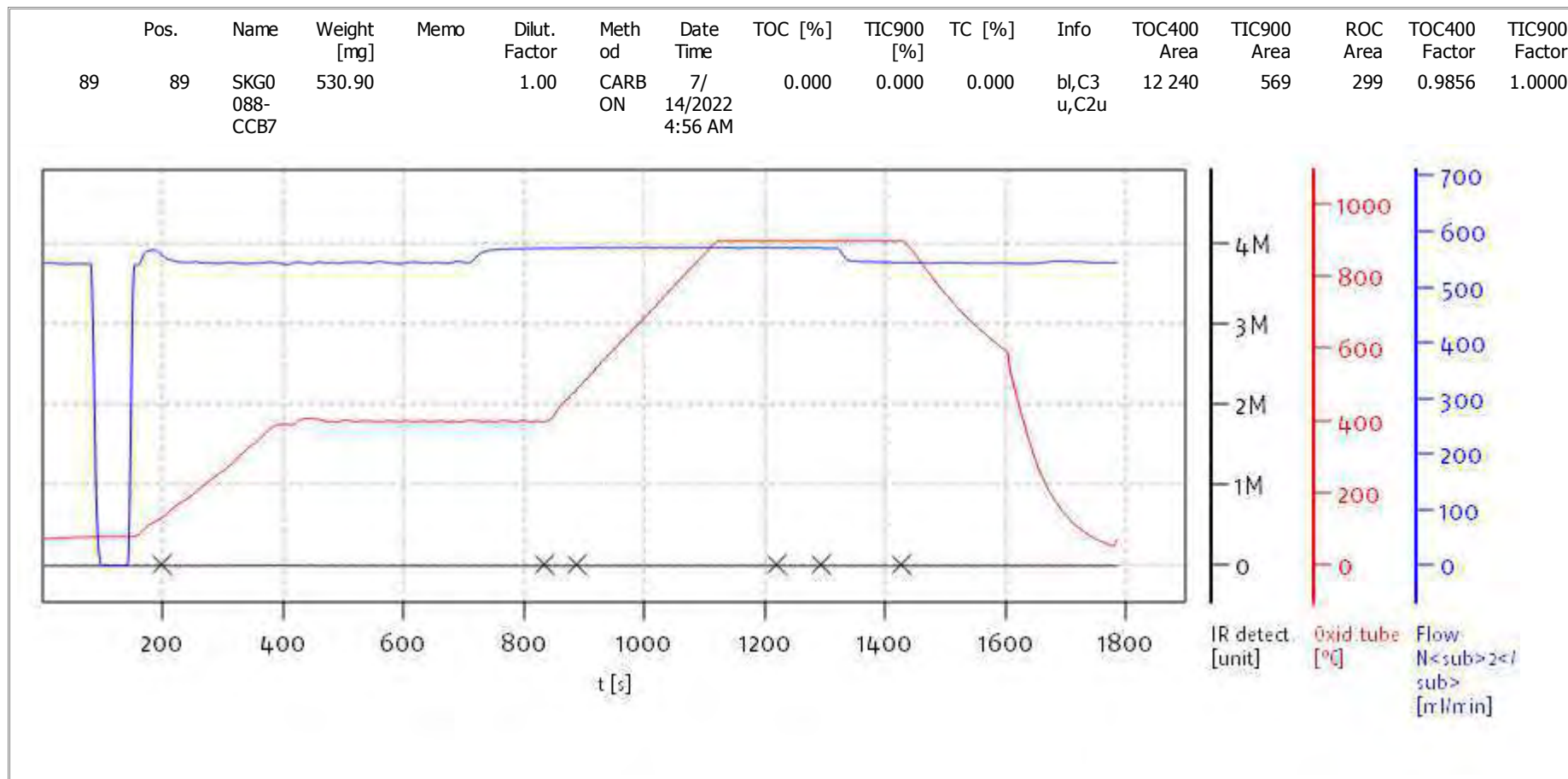
Date: Fri Jul 15 08:39:07 2022



solITOC V2.0.2 (31015f9) 2018-11-19
Serial No: 0300.181017
Mode CCC



Soli TOC Cube, Carbon
Balance: BAL3
Analyst: DOE



Name:

Access: solITOC superuser

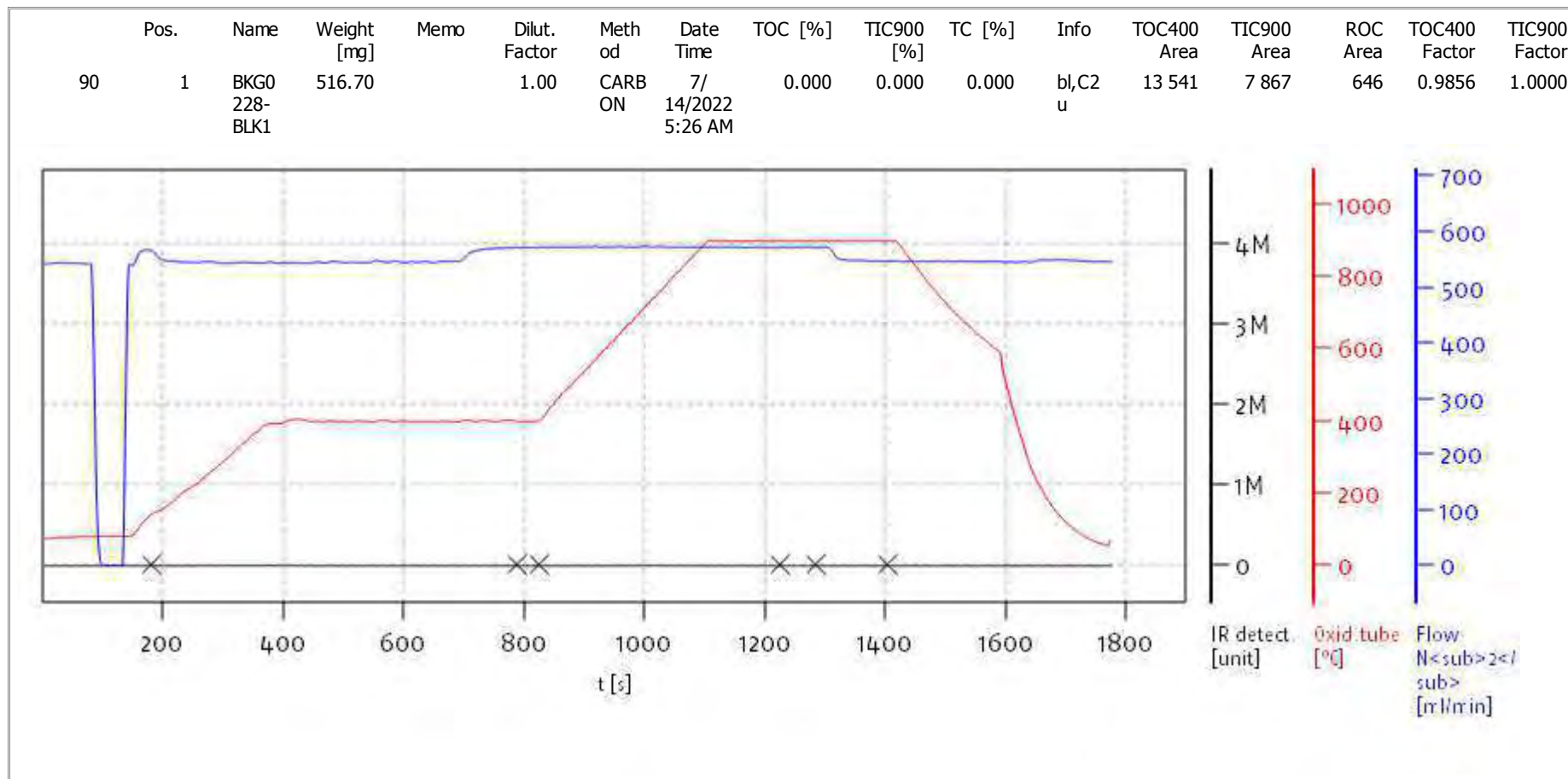
Date: Fri Jul 15 08:39:07 2022



solITOC V2.0.2 (31015f9) 2018-11-19
Serial No: 0300.181017
Mode CCC



Soli TOC Cube, Carbon
Balance: BAL3
Analyst: DOE



Name:

Access: solITOC superuser

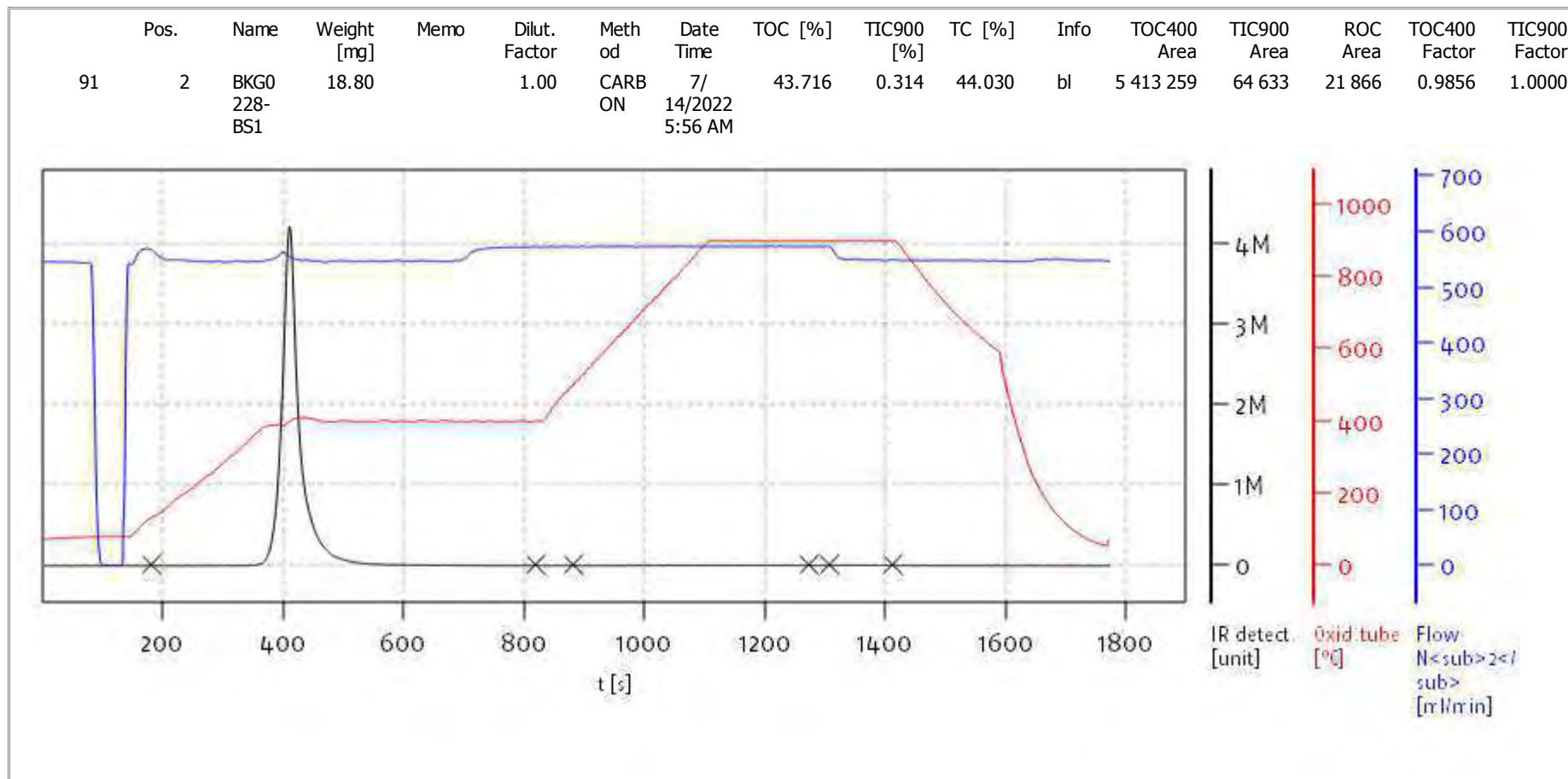
Date: Fri Jul 15 08:39:07 2022



solITOC V2.0.2 (31015f9) 2018-11-19
Serial No: 0300.181017
Mode CCC



Soli TOC Cube, Carbon
Balance: BAL3
Analyst: DOE



Name:

Access: solITOC superuser

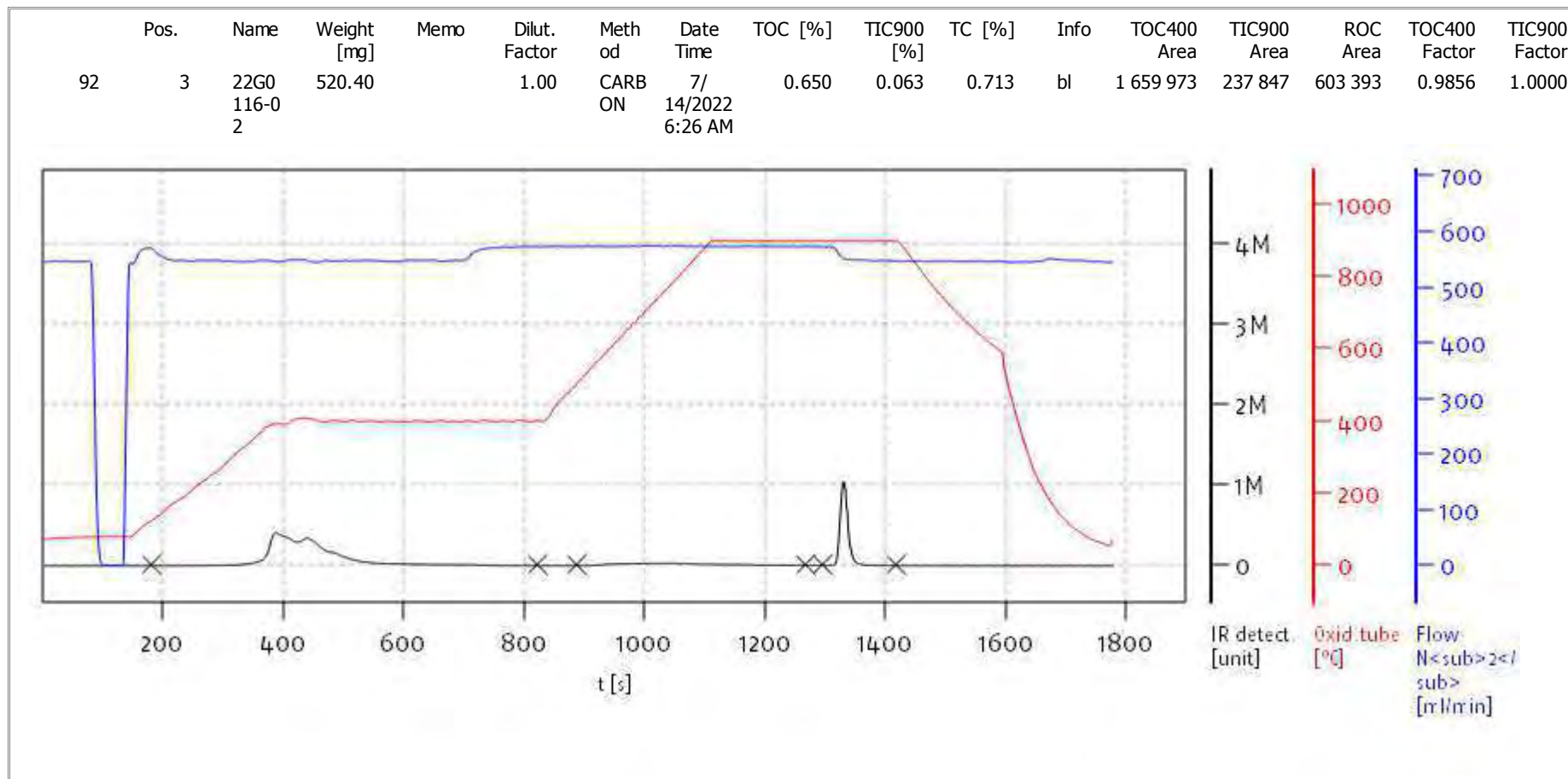
Date: Fri Jul 15 08:39:07 2022



solITOC V2.0.2 (31015f9) 2018-11-19
Serial No: 0300.181017
Mode CCC



Soli TOC Cube, Carbon
Balance: BAL3
Analyst: DOE



Name:

Access: solITOC superuser

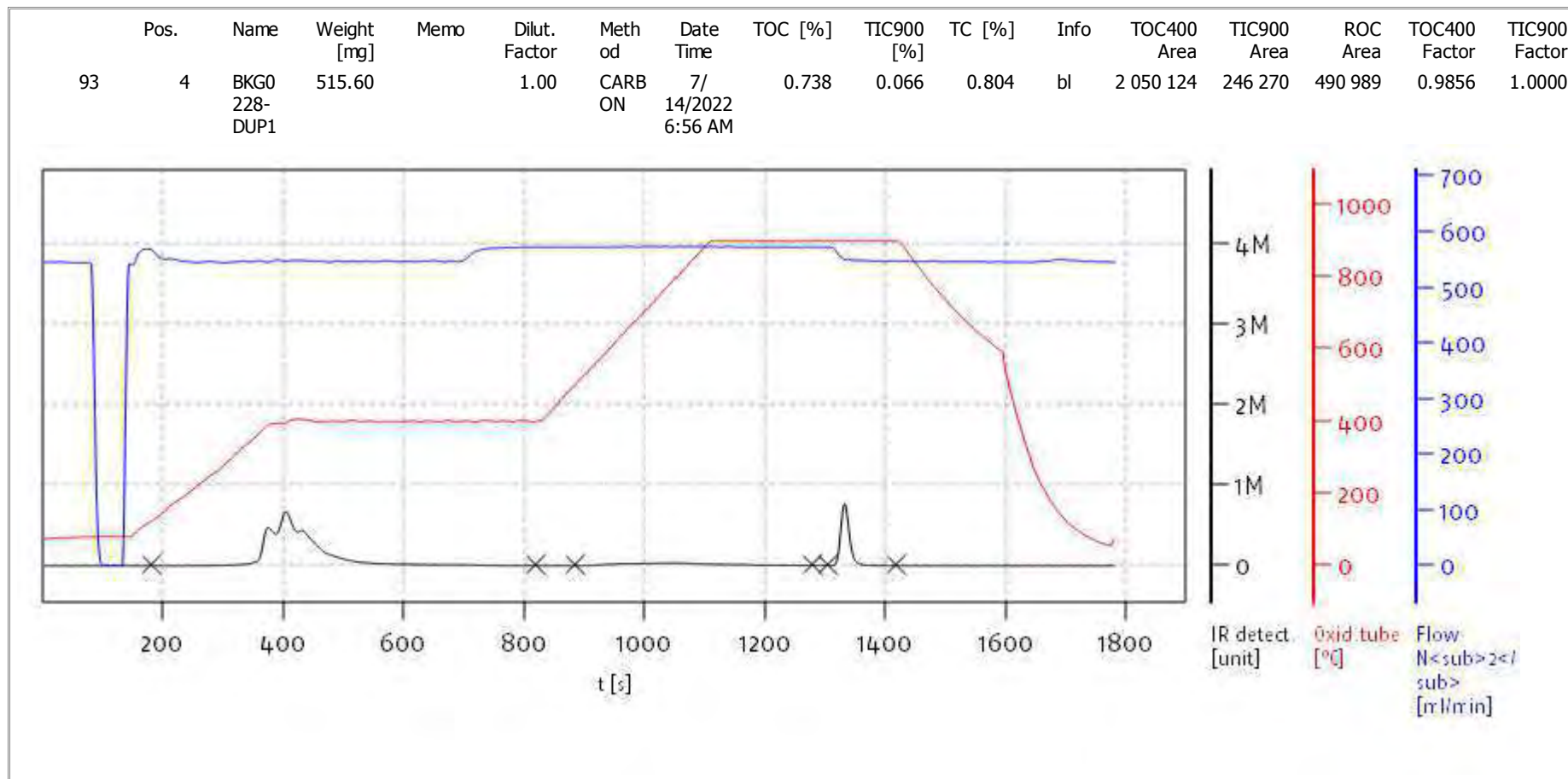
Date: Fri Jul 15 08:39:07 2022



solITOC V2.0.2 (31015f9) 2018-11-19
Serial No: 0300.181017
Mode CCC



Soli TOC Cube, Carbon
Balance: BAL3
Analyst: DOE



Name:

Access: solITOC superuser

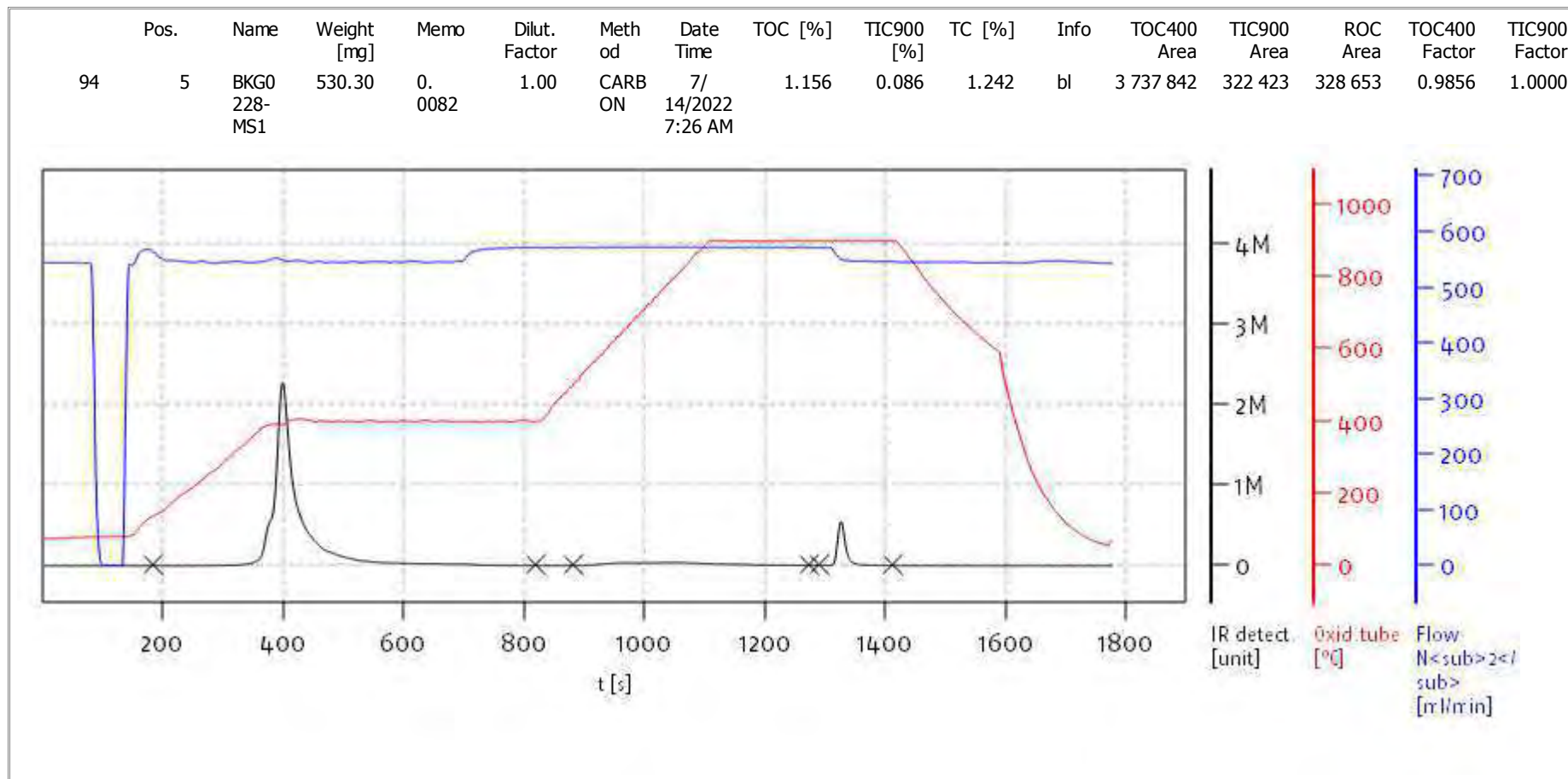
Date: Fri Jul 15 08:39:07 2022



solITOC V2.0.2 (31015f9) 2018-11-19
Serial No: 0300.181017
Mode CCC



Soli TOC Cube, Carbon
Balance: BAL3
Analyst: DOE



Name:

Access: solITOC superuser

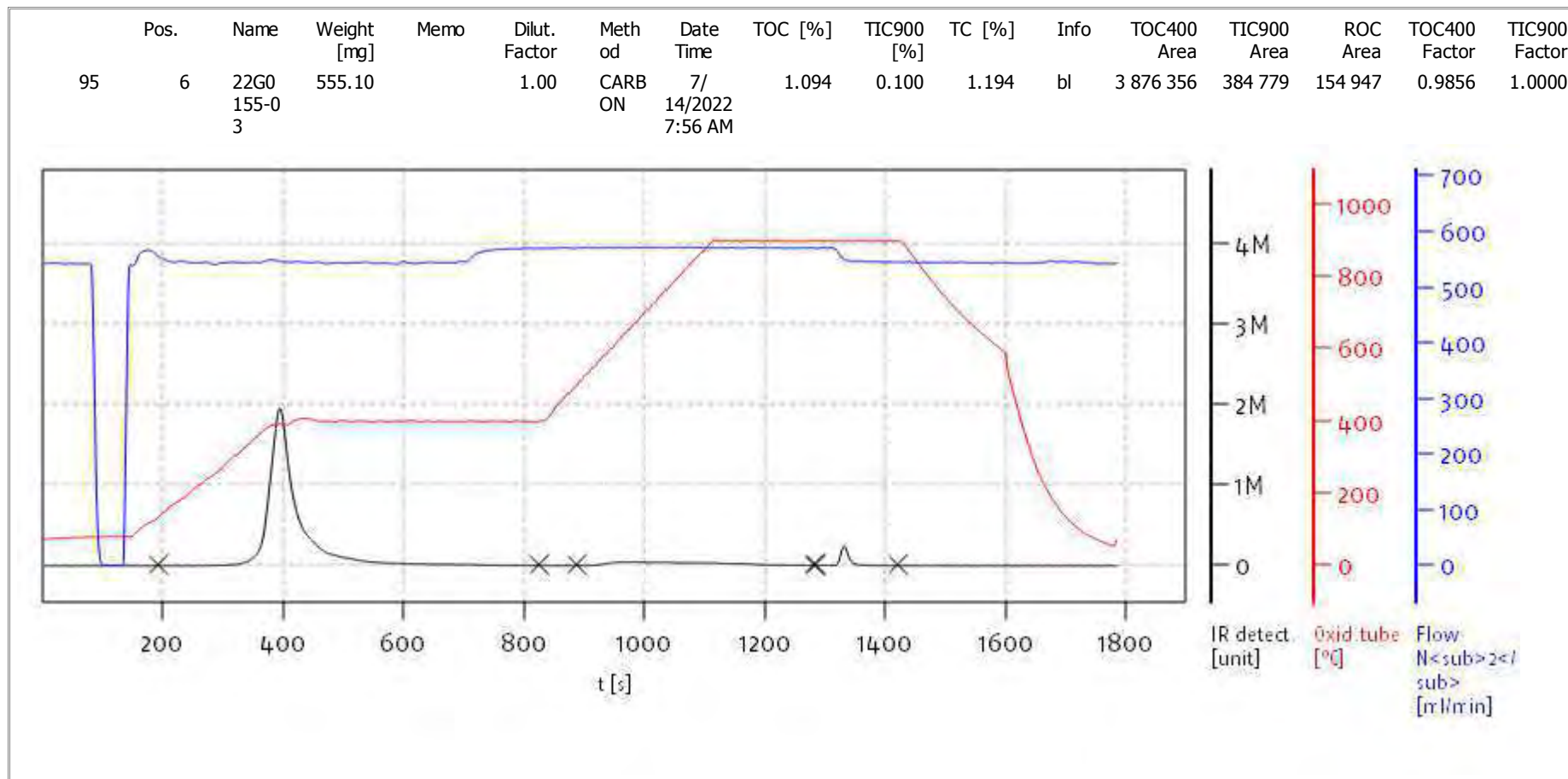
Date: Fri Jul 15 08:39:07 2022



solITOC V2.0.2 (31015f9) 2018-11-19
Serial No: 0300.181017
Mode CCC



Soli TOC Cube, Carbon
Balance: BAL3
Analyst: DOE



Name:

Access: solITOC superuser

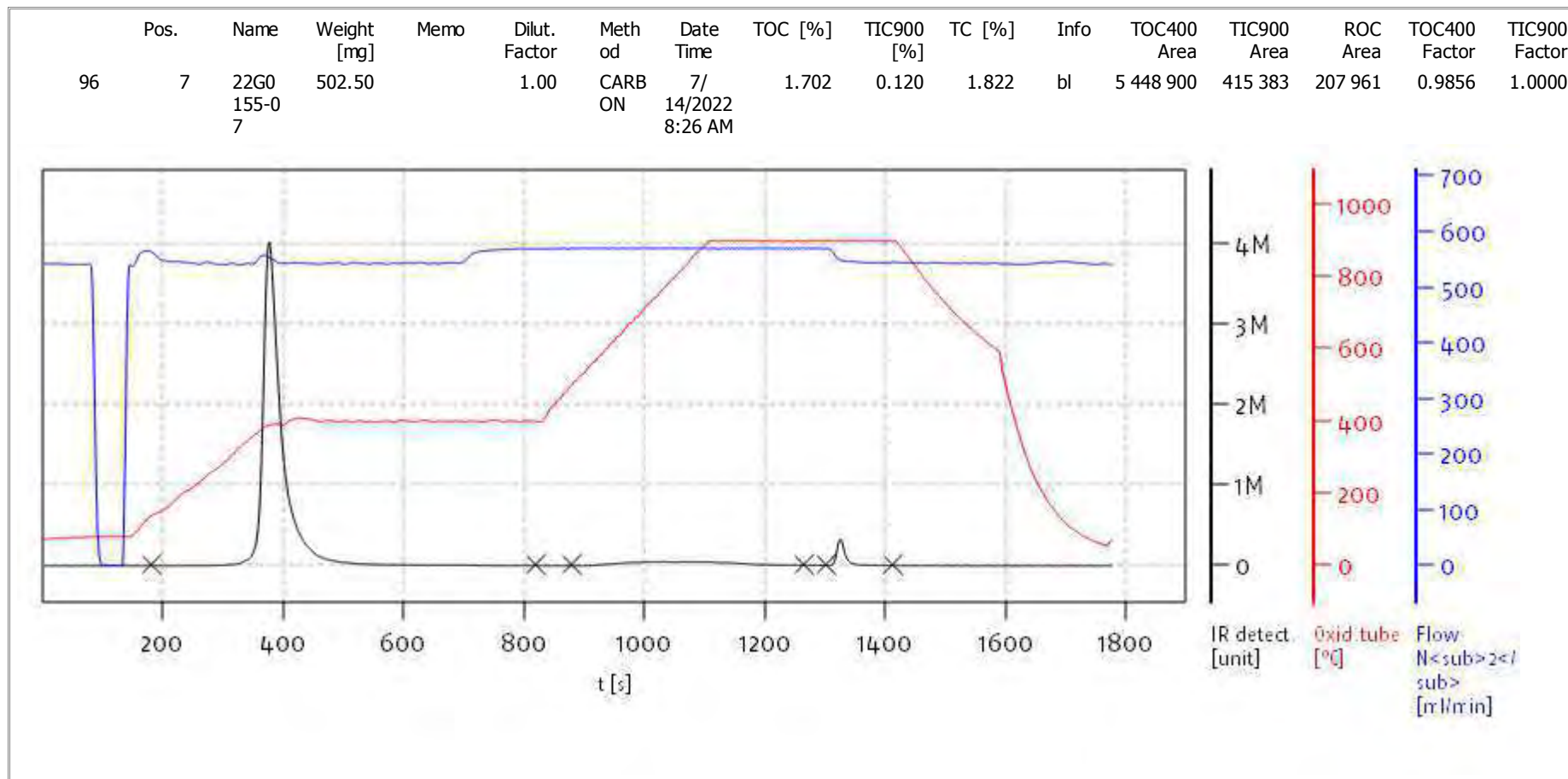
Date: Fri Jul 15 08:39:07 2022



solITOC V2.0.2 (31015f9) 2018-11-19
Serial No: 0300.181017
Mode CCC



Soli TOC Cube, Carbon
Balance: BAL3
Analyst: DOE



Name:

Access: solITOC superuser

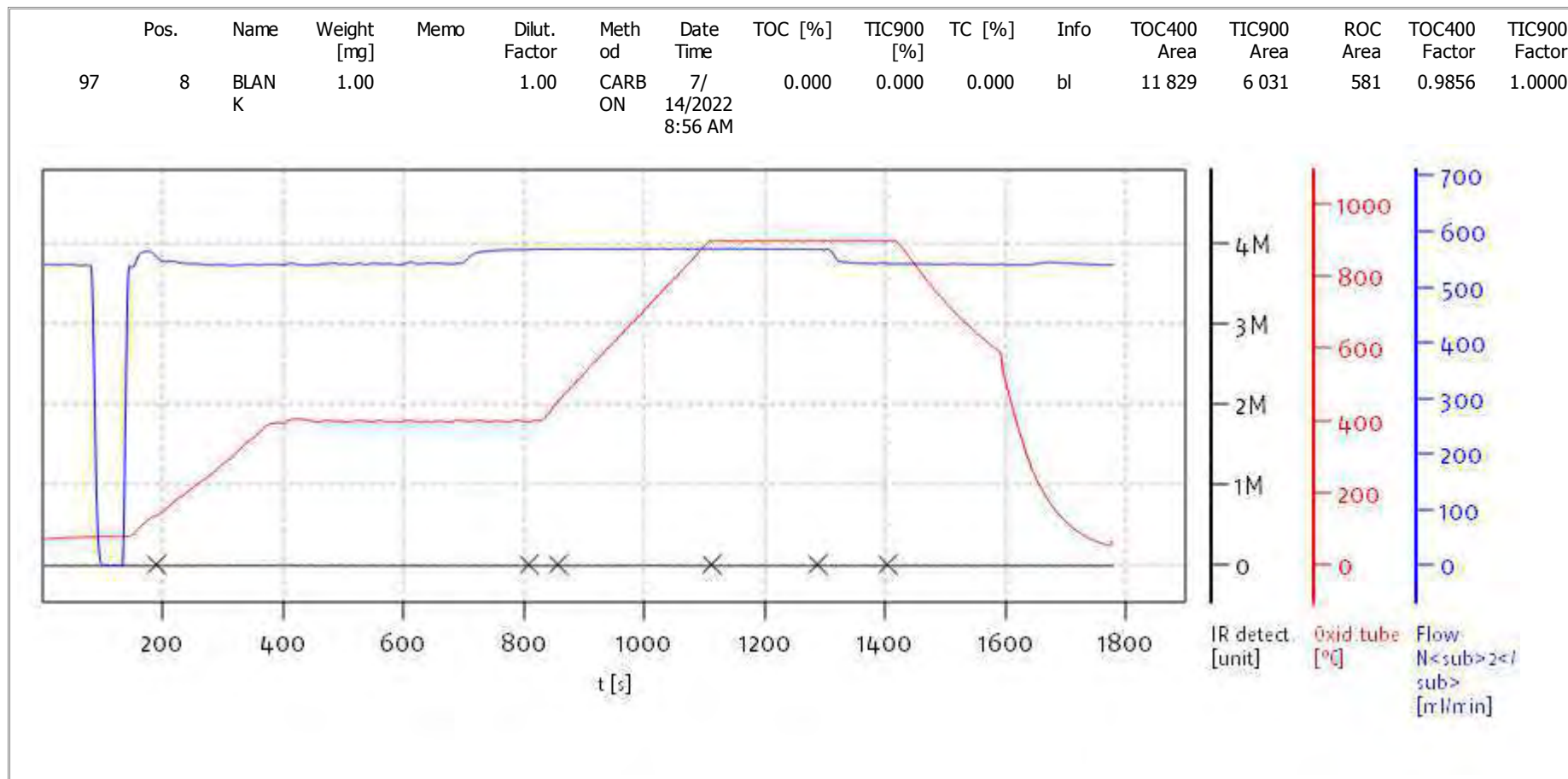
Date: Fri Jul 15 08:39:07 2022



solITOC V2.0.2 (31015f9) 2018-11-19
Serial No: 0300.181017
Mode CCC



Soli TOC Cube, Carbon
Balance: BAL3
Analyst: DOE



Name:

Access: solITOC superuser

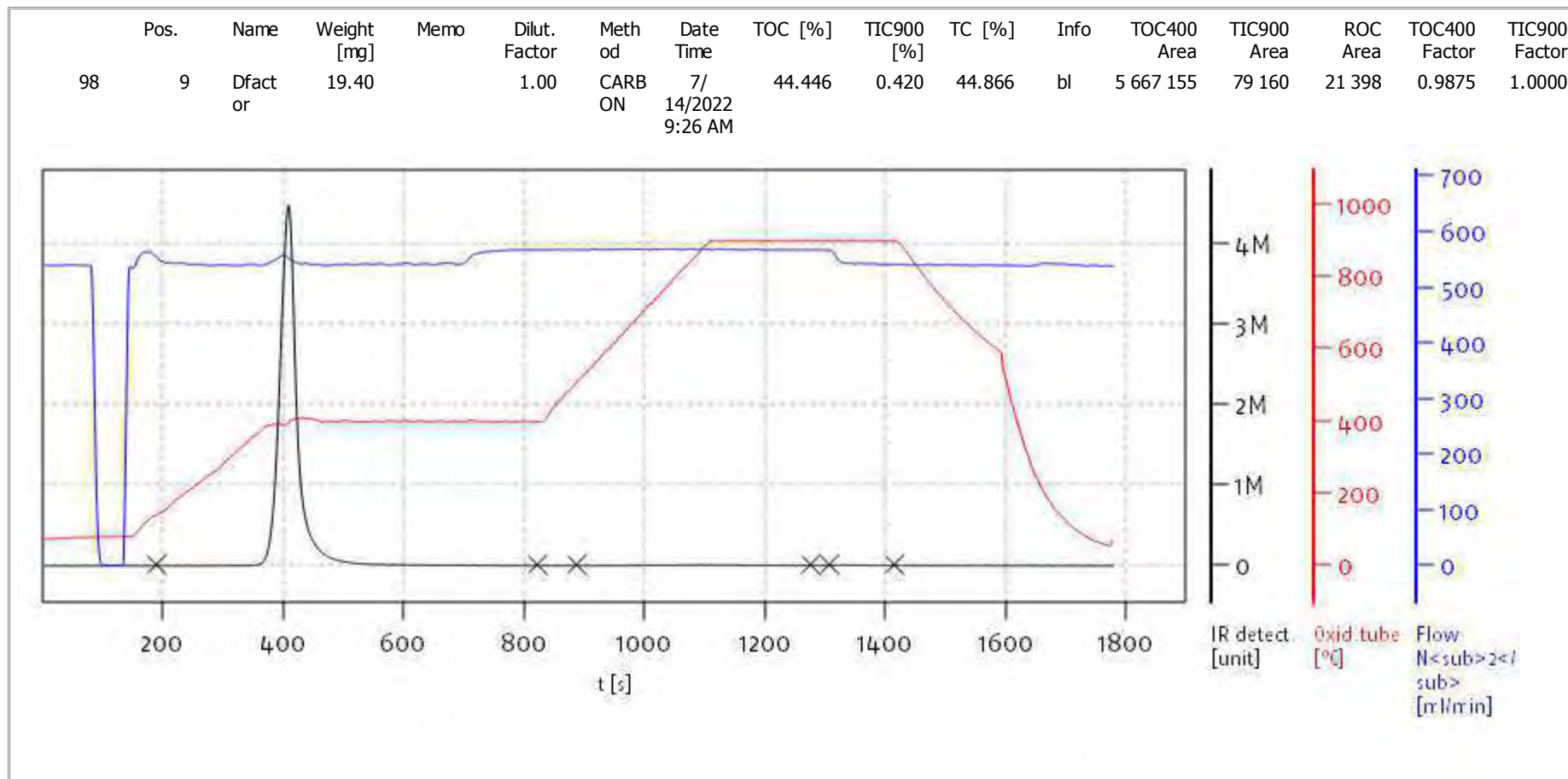
Date: Fri Jul 15 08:39:07 2022



solITOC V2.0.2 (31015f9) 2018-11-19
Serial No: 0300.181017
Mode CCC



Soli TOC Cube, Carbon
Balance: BAL3
Analyst: DOE



Name:

Access: solITOC superuser

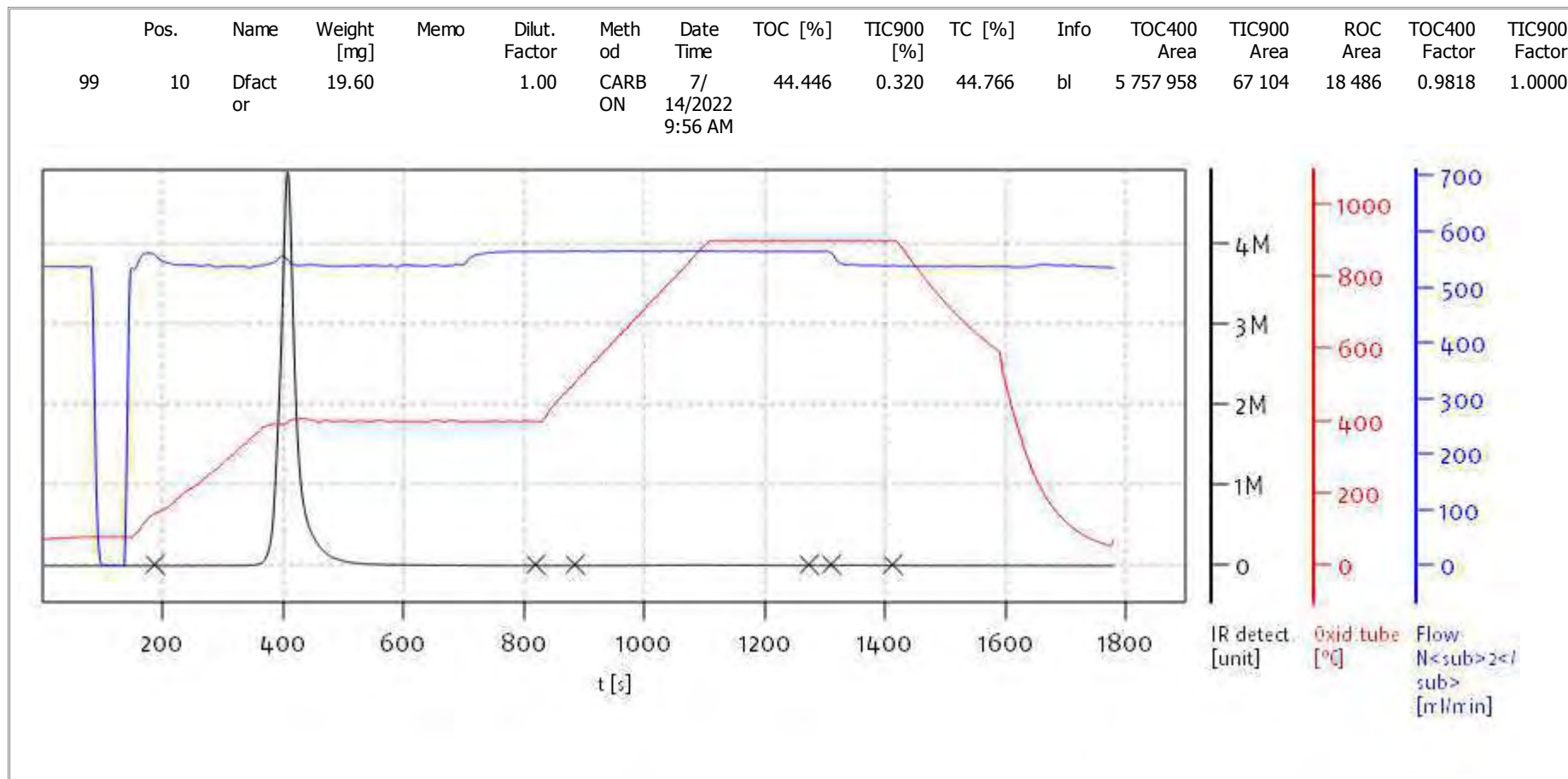
Date: Fri Jul 15 08:39:07 2022



solITOC V2.0.2 (31015f9) 2018-11-19
Serial No: 0300.181017
Mode CCC



Soli TOC Cube, Carbon
Balance: BAL3
Analyst: DOE



Name:

Access: solITOC superuser

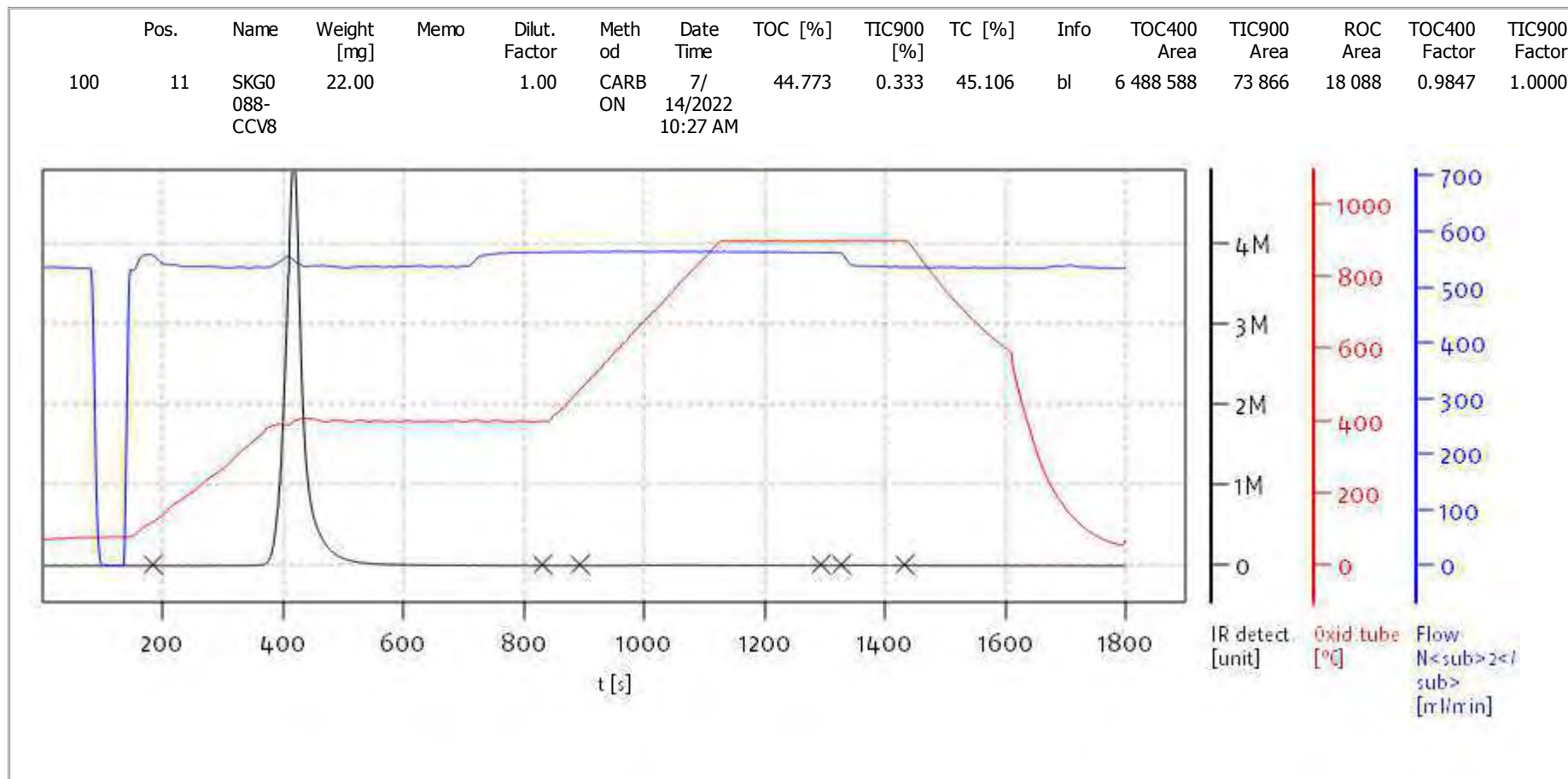
Date: Fri Jul 15 08:39:07 2022



solITOC V2.0.2 (31015f9) 2018-11-19
Serial No: 0300.181017
Mode CCC



Soli TOC Cube, Carbon
Balance: BAL3
Analyst: DOE



Name:

Access: solITOC superuser

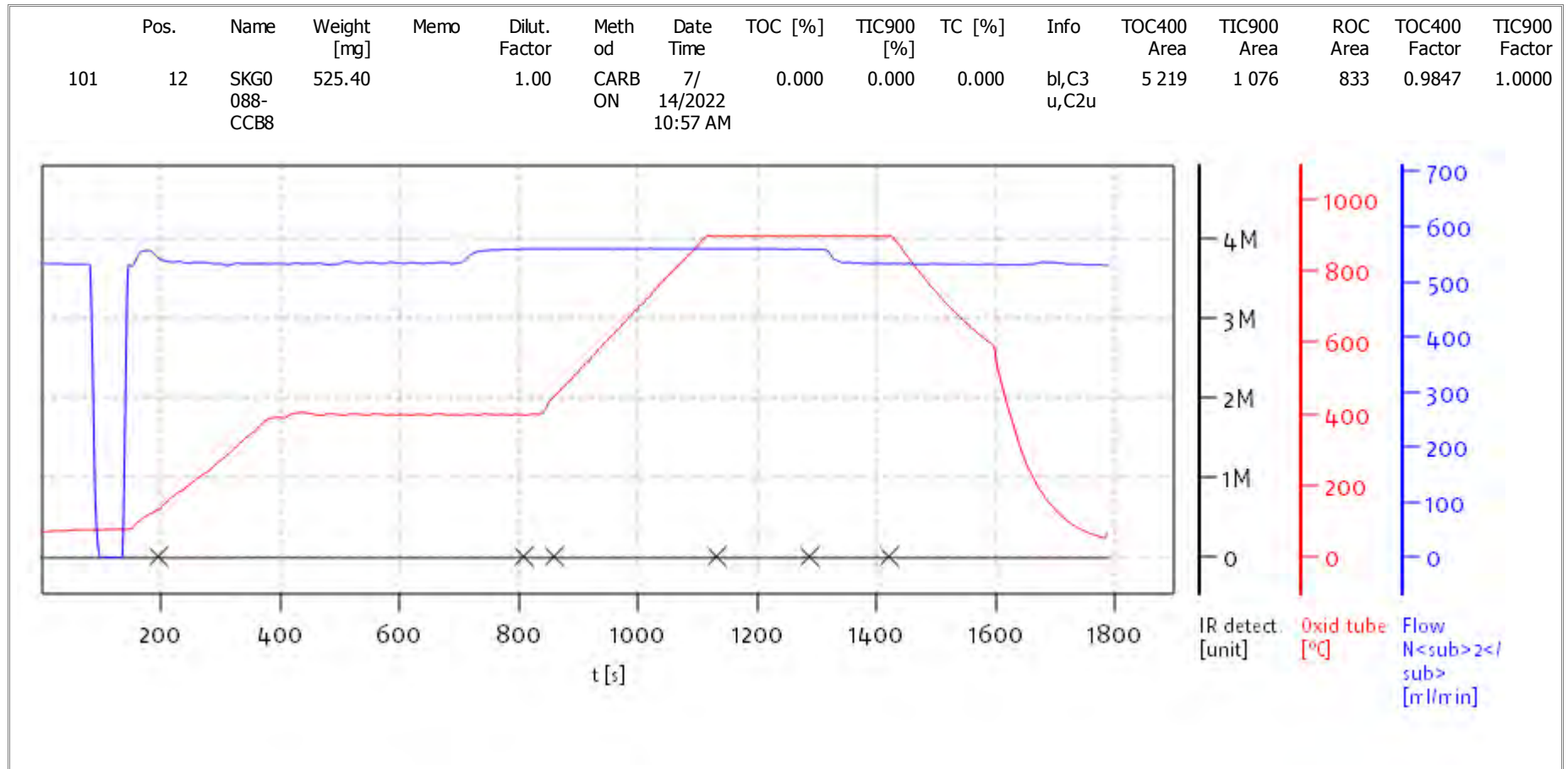
Date: Fri Jul 15 08:39:07 2022



solITOC V2.0.2 (31015f9) 2018-11-19
Serial No: 0300.181017
Mode CCC



Soli TOC Cube, Carbon
Balance: BAL3
Analyst: DOE



Name:

Access: solITOC superuser

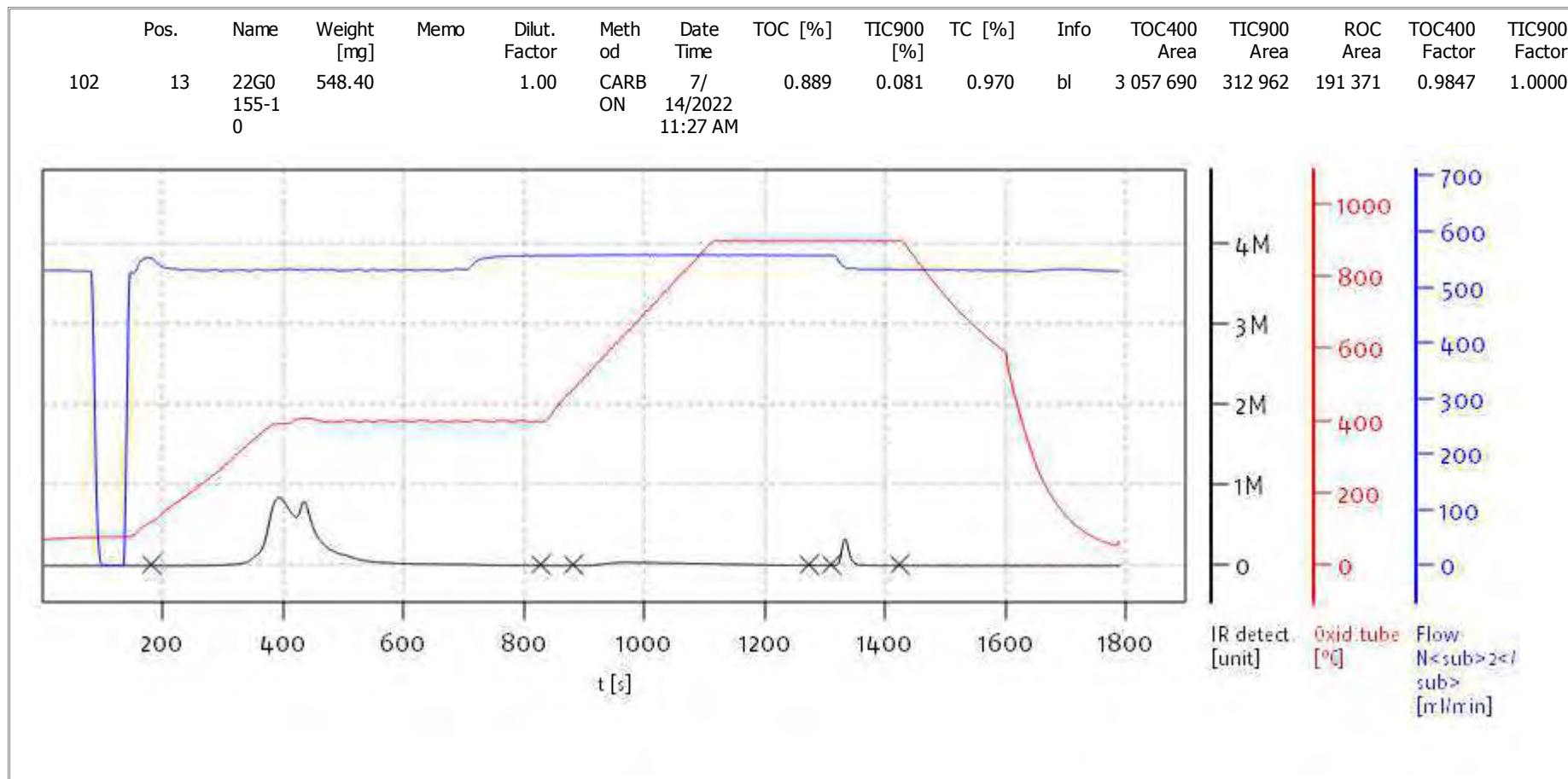
Date: Fri Jul 15 08:39:07 2022



solITOC V2.0.2 (31015f9) 2018-11-19
Serial No: 0300.181017
Mode CCC



Soli TOC Cube, Carbon
Balance: BAL3
Analyst: DOE



Name:

Access: solITOC superuser

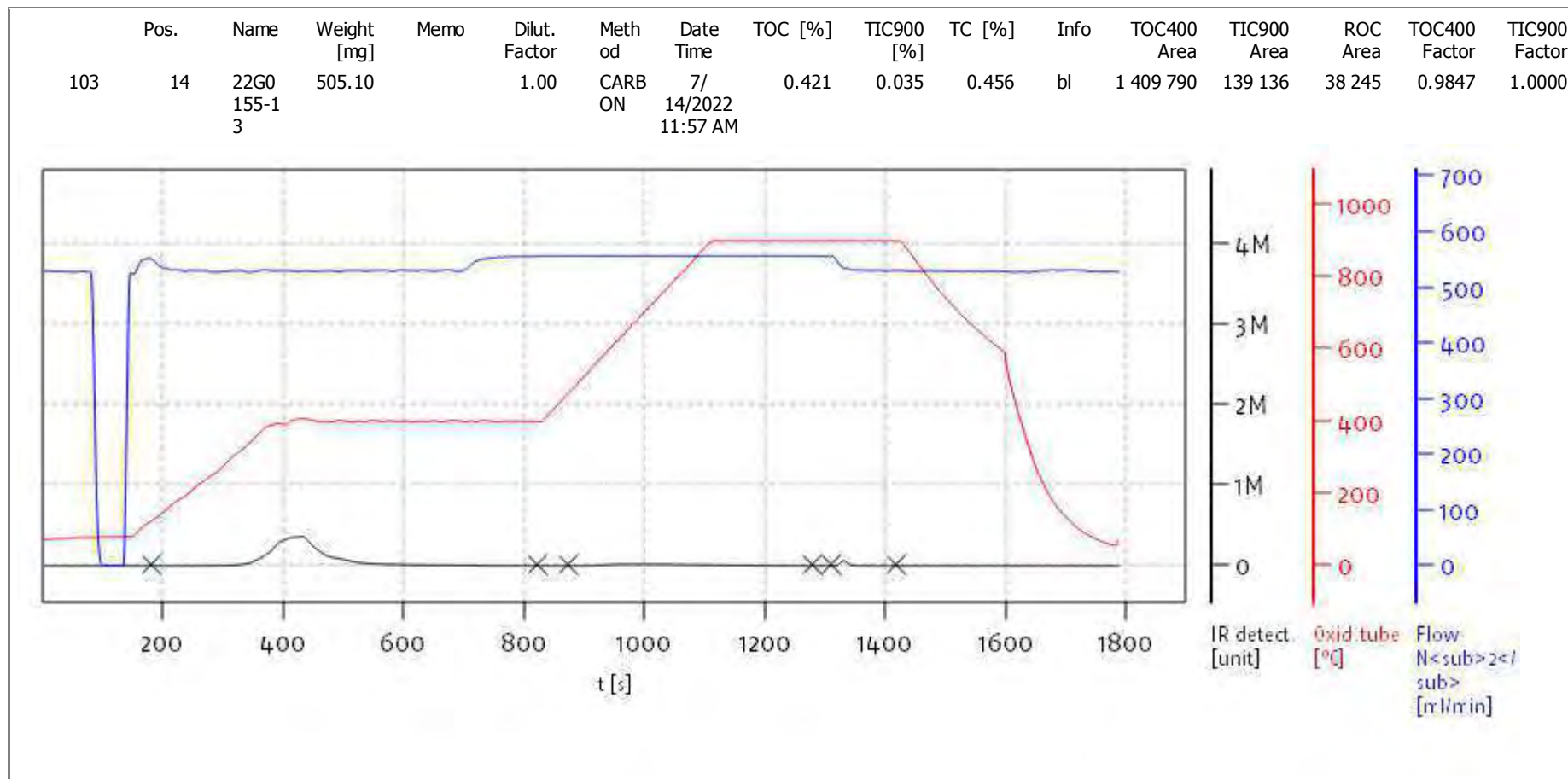
Date: Fri Jul 15 08:39:07 2022



solITOC V2.0.2 (31015f9) 2018-11-19
Serial No: 0300.181017
Mode CCC



Soli TOC Cube, Carbon
Balance: BAL3
Analyst: DOE



Name:

Access: solITOC superuser

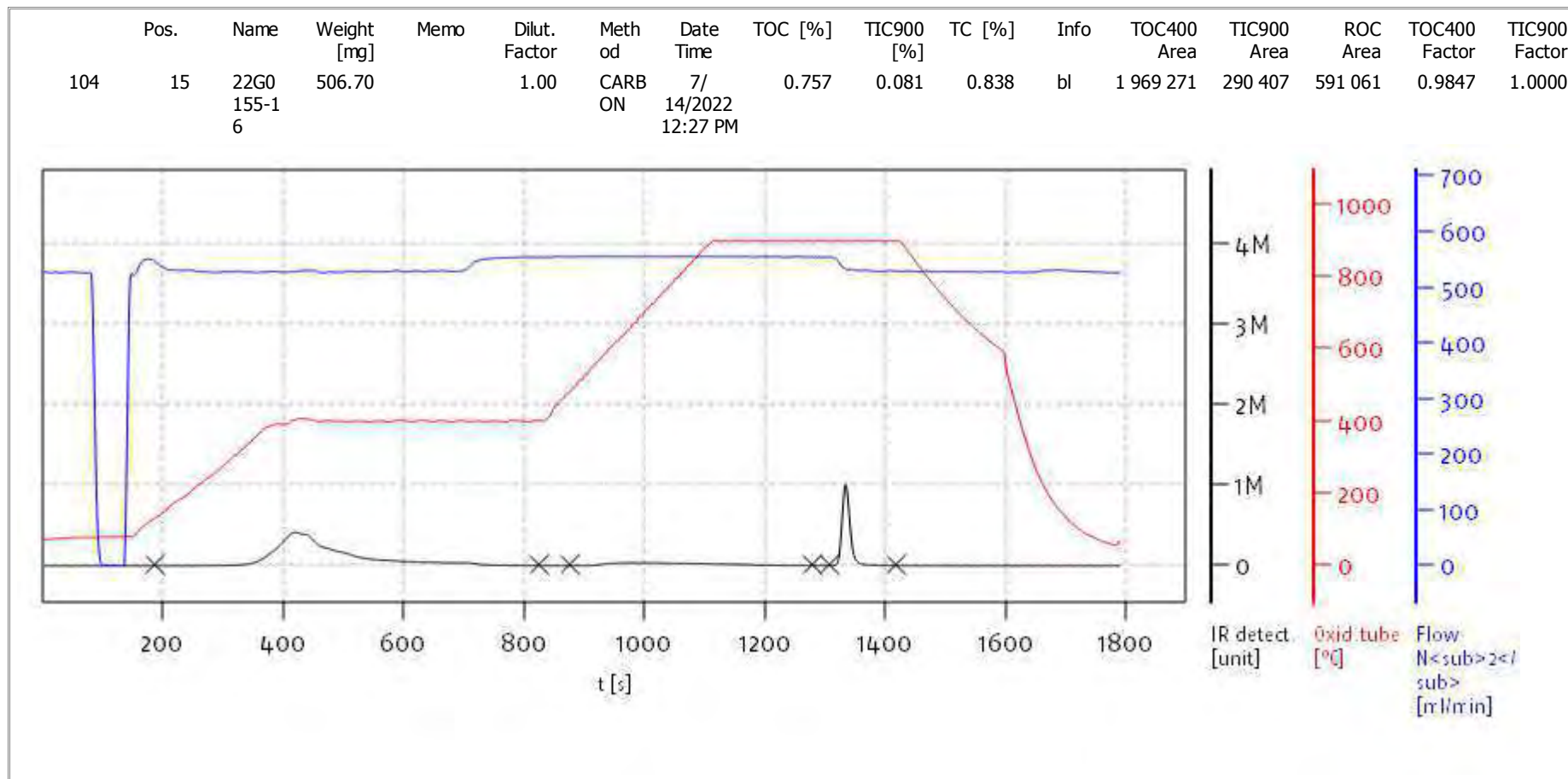
Date: Fri Jul 15 08:39:07 2022



solITOC V2.0.2 (31015f9) 2018-11-19
Serial No: 0300.181017
Mode CCC



Soli TOC Cube, Carbon
Balance: BAL3
Analyst: DOE



Name:

Access: solITOC superuser

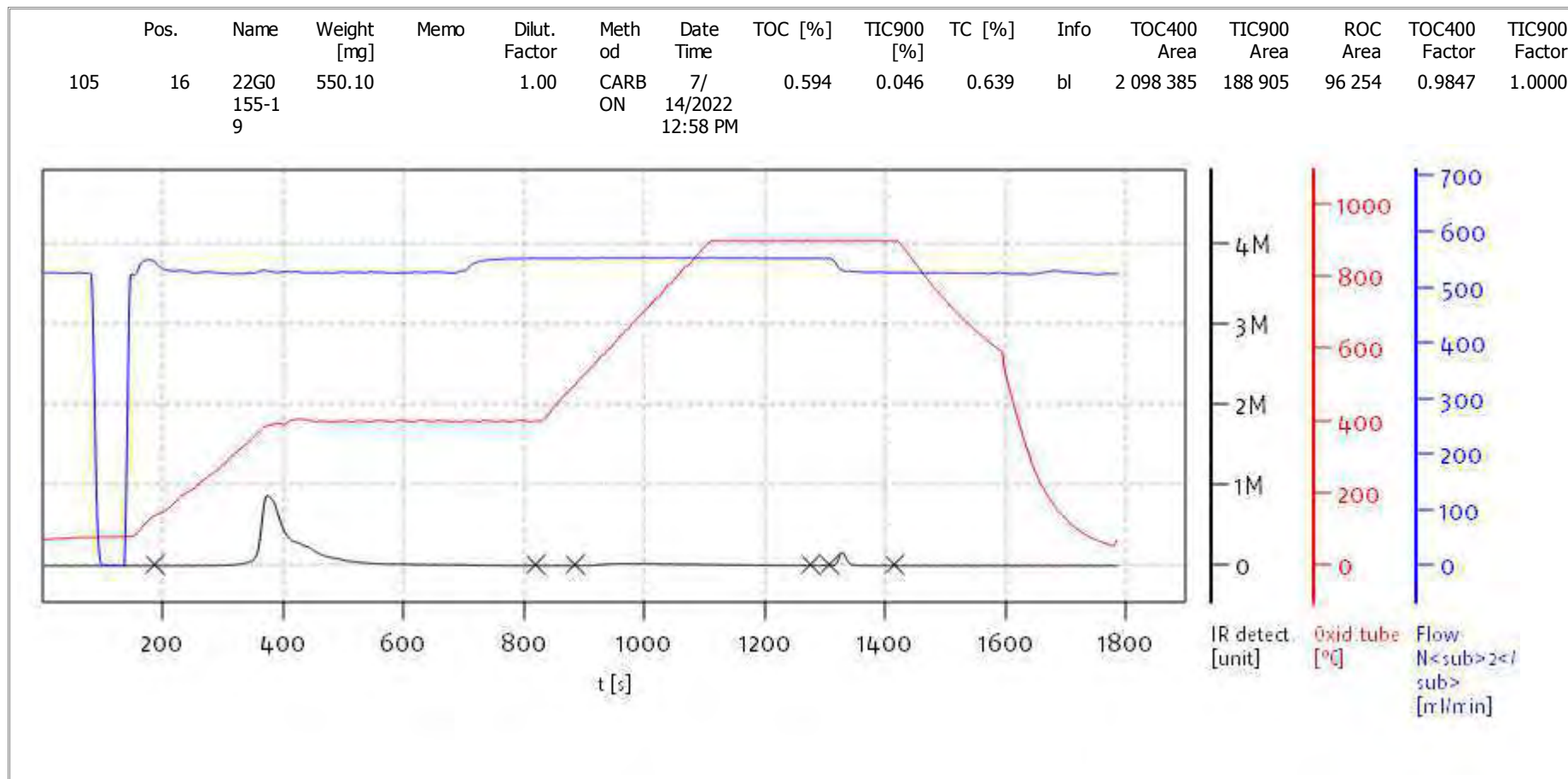
Date: Fri Jul 15 08:39:07 2022



solITOC V2.0.2 (31015f9) 2018-11-19
Serial No: 0300.181017
Mode CCC



Soli TOC Cube, Carbon
Balance: BAL3
Analyst: DOE



Name:

Access: solITOC superuser

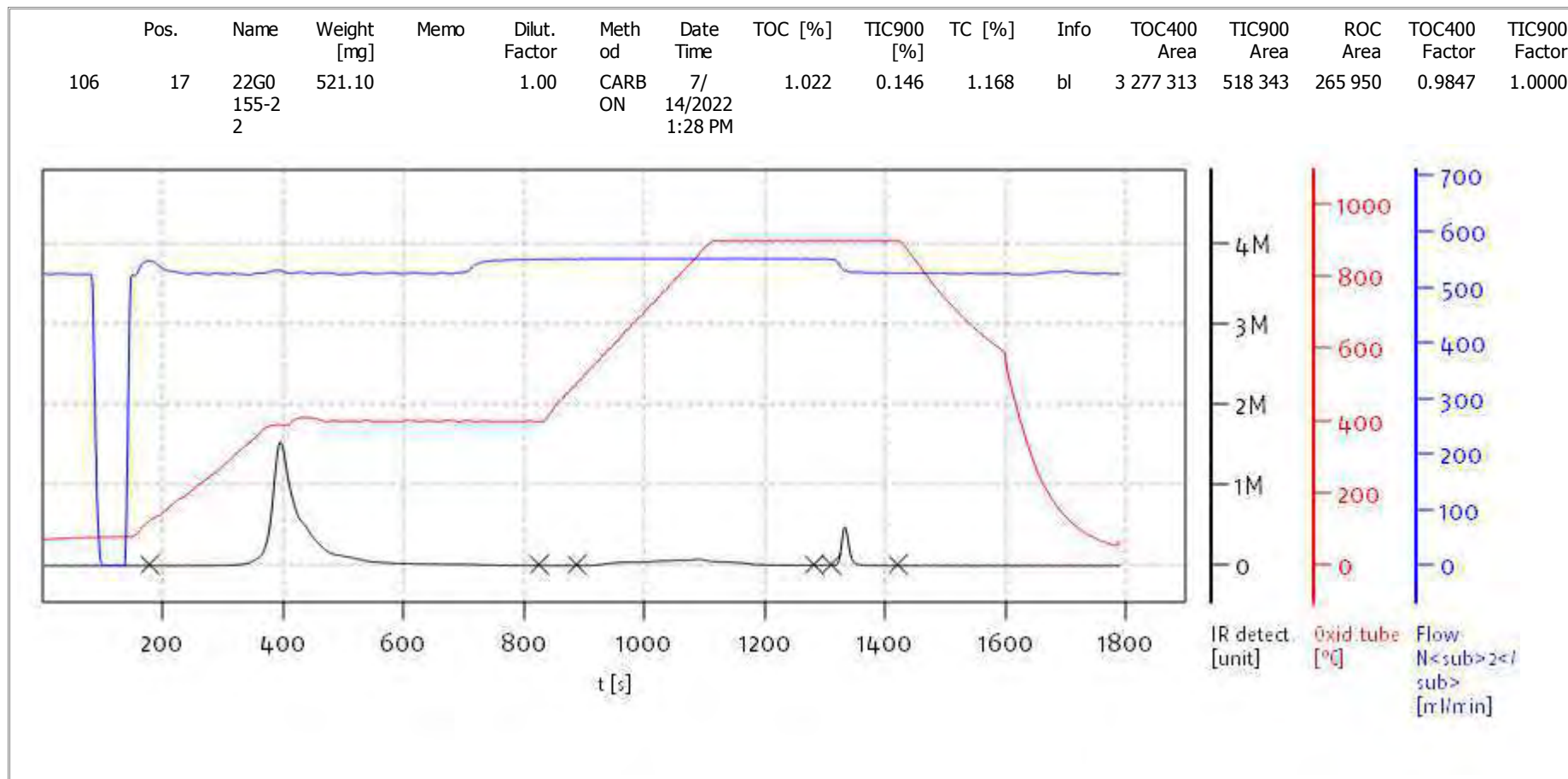
Date: Fri Jul 15 08:39:07 2022



solITOC V2.0.2 (31015f9) 2018-11-19
Serial No: 0300.181017
Mode CCC



Soli TOC Cube, Carbon
Balance: BAL3
Analyst: DOE



Name:

Access: solITOC superuser

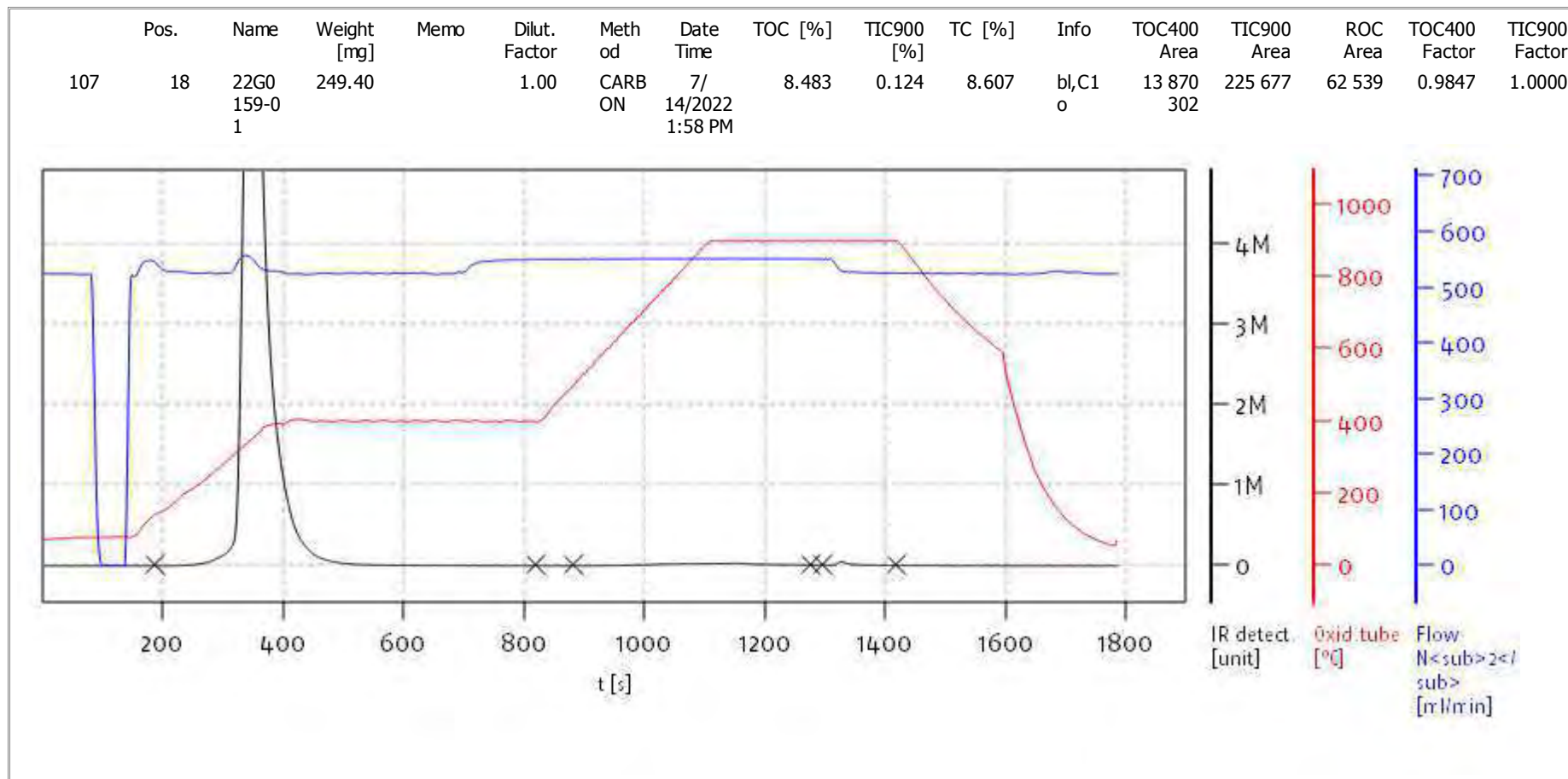
Date: Fri Jul 15 08:39:07 2022



solITOC V2.0.2 (31015f9) 2018-11-19
Serial No: 0300.181017
Mode CCC



Soli TOC Cube, Carbon
Balance: BAL3
Analyst: DOE



Name:

Access: solITOC superuser

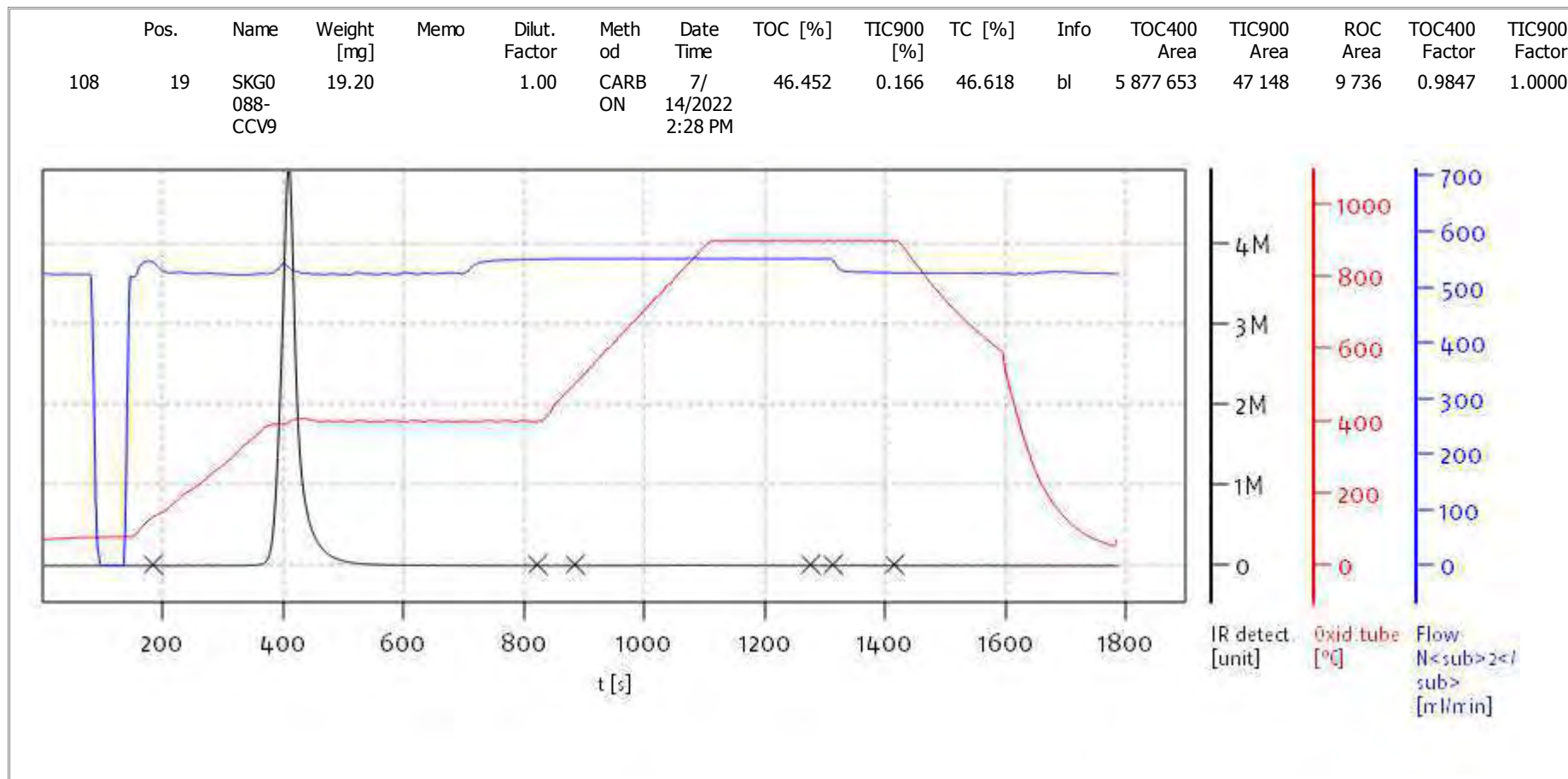
Date: Fri Jul 15 08:39:07 2022



solITOC V2.0.2 (31015f9) 2018-11-19
Serial No: 0300.181017
Mode CCC



Soli TOC Cube, Carbon
Balance: BAL3
Analyst: DOE



Name:

Access: solITOC superuser

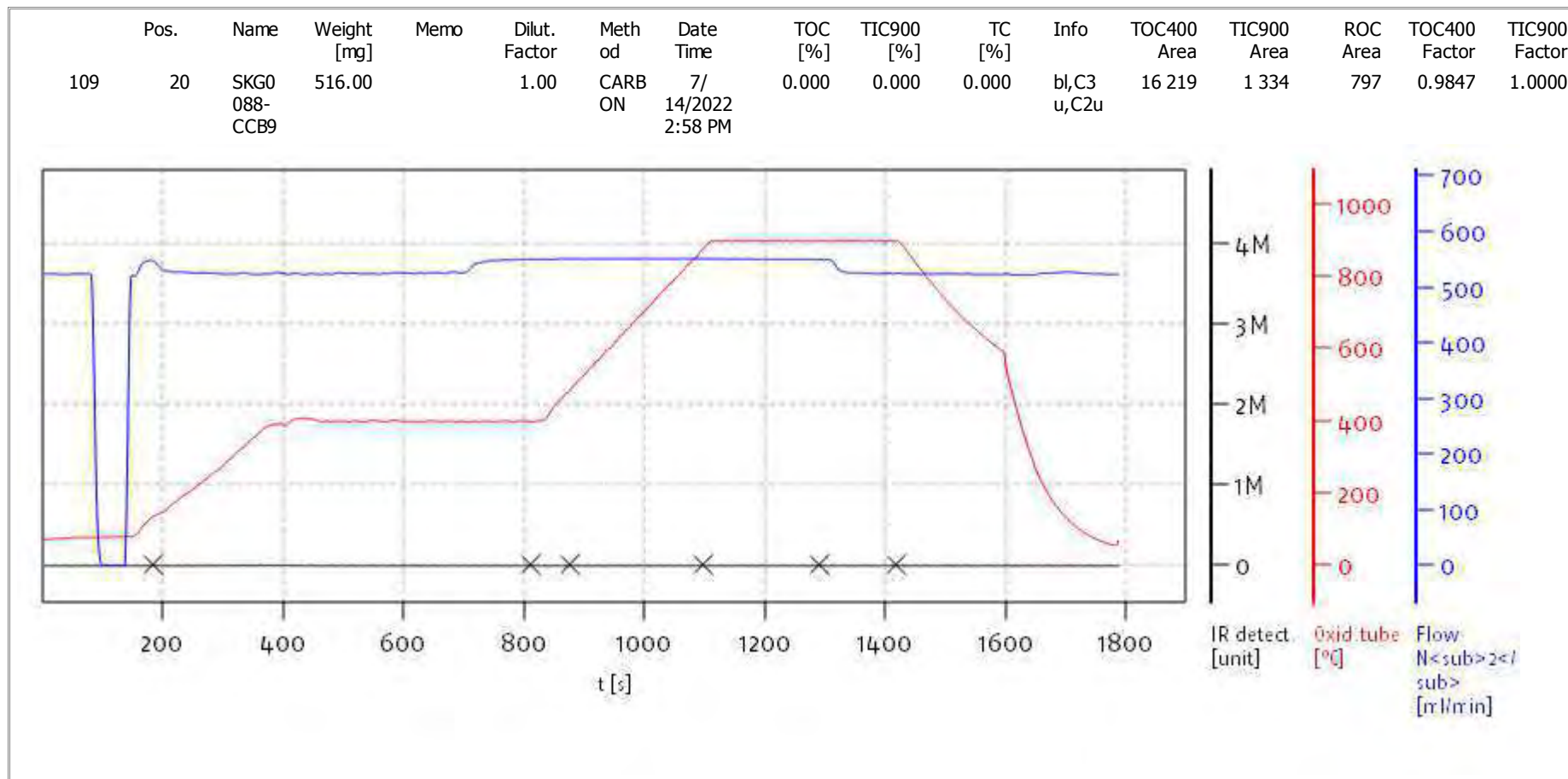
Date: Fri Jul 15 08:39:07 2022



solITOC V2.0.2 (31015f9) 2018-11-19
Serial No: 0300.181017
Mode CCC



Soli TOC Cube, Carbon
Balance: BAL3
Analyst: DOE



Name:

Access: solITOC superuser

Date: Fri Jul 15 08:39:07 2022



solITOC V2.0.2 (31015f9) 2018-11-19
Serial No: 0300.181017
Mode CCC



INITIAL CALIBRATION DATA

EPA 9060A m

Laboratory: Analytical Resources, LLC

SDG: 22G0019

Client: GeoEngineers

Project: RG Haley Site-Bellingham

Calibration: FD00070

Instrument: TOC Cube

Calibration Date: 04/26/2022 11:29

Compound	Level 01		Level 02		Level 03		Level 04		Level 05		Level 06	
	Conc	RF	Conc	RF	Conc	RF	Conc	RF	Conc	RF	Conc	RF
Total Organic Carbon	0.0080973	1449743	0.014695	1300238	0.021293	1292913	0.02939	1293535	0.044385	2094063	0.05878	1400085
Total Carbon	0.0080973	1449743	0.014695	1300238	0.021293	1292913	0.02939	1293535	0.044385	2094063	0.05878	1400085
Total Inorganic Carbon	0.0080973	1449743	0.014695	1300238	0.021293	1292913	0.02939	1293535	0.044385	2094063	0.05878	1400085
% Soot	0.0080973	1449743	0.014695	1300238	0.021293	1292913	0.02939	1293535	0.044385	2094063	0.05878	1400085



INITIAL CALIBRATION DATA

EPA 9060A m

Laboratory: Analytical Resources, LLC

SDG: 22G0019

Client: GeoEngineers

Project: RG Haley Site-Bellingham

Calibration: FD00070

Instrument: TOC Cube

Calibration Date: 04/26/2022 11:29

Compound	Level 07		Level 08		Level 09		Level 10		Level 11		Level 12	
	Conc	RF	Conc	RF	Conc	RF	Conc	RF	Conc	RF	Conc	RF
Total Organic Carbon	0.074075	1370638	0.08937	1351930	0.12056	2158544	0.14995	1559046	0.24	1346463	0.288	1430135
Total Carbon	0.074075	1370638	0.08937	1351930	0.12056	2158544	0.14995	1559046	0.24	1346463	0.288	1430135
Total Inorganic Carbon	0.074075	1370638	0.08937	1351930	0.12056	2158544	0.14995	1559046	0.24	1346463	0.288	1430135
% Soot	0.074075	1370638	0.08937	1351930	0.12056	2158544	0.14995	1559046	0.24	1346463	0.288	1430135



INITIAL CALIBRATION DATA

EPA 9060A m

Laboratory: Analytical Resources, LLC

SDG: 22G0019

Client: GeoEngineers

Project: RG Haley Site-Bellingham

Calibration: FD00070

Instrument: TOC Cube

Calibration Date: 04/26/2022 11:29

Compound	Level 13		Level 14		Level 15		Level 16		Level 17		Level 18	
	Conc	RF	Conc	RF	Conc	RF	Conc	RF	Conc	RF	Conc	RF
Total Organic Carbon	0.414	1337053	0.606	1385937	0.894	1382774	1.188	1379790	1.5	1375927	1.818	1372882
Total Carbon	0.414	1337053	0.606	1385937	0.894	1382774	1.188	1379790	1.5	1375927	1.818	1372882
Total Inorganic Carbon	0.414	1337053	0.606	1385937	0.894	1382774	1.188	1379790	1.5	1375927	1.818	1372882
% Soot	0.414	1337053	0.606	1385937	0.894	1382774	1.188	1379790	1.5	1375927	1.818	1372882



INITIAL CALIBRATION DATA

EPA 9060A m

Laboratory: Analytical Resources, LLC

SDG: 22G0019

Client: GeoEngineers

Project: RG Haley Site-Bellingham

Calibration: FD00070

Instrument: TOC Cube

Calibration Date: 04/26/2022 11:29

Compound	Level 19		Level 20		Level 21		Level 22		Level 23		Level 24	
	Conc	RF	Conc	RF	Conc	RF	Conc	RF	Conc	RF	Conc	RF
Total Organic Carbon	2.49	1398606	2.982	1376871	4.188	1256057	4.818	1279542	5.406	1283358	7.2	1301408
Total Carbon	2.49	1398606	2.982	1376871	4.188	1256057	4.818	1279542	5.406	1283358	7.2	1301408
Total Inorganic Carbon	2.49	1398606	2.982	1376871	4.188	1256057	4.818	1279542	5.406	1283358	7.2	1301408
% Soot	2.49	1398606	2.982	1376871	4.188	1256057	4.818	1279542	5.406	1283358	7.2	1301408



INITIAL CALIBRATION DATA

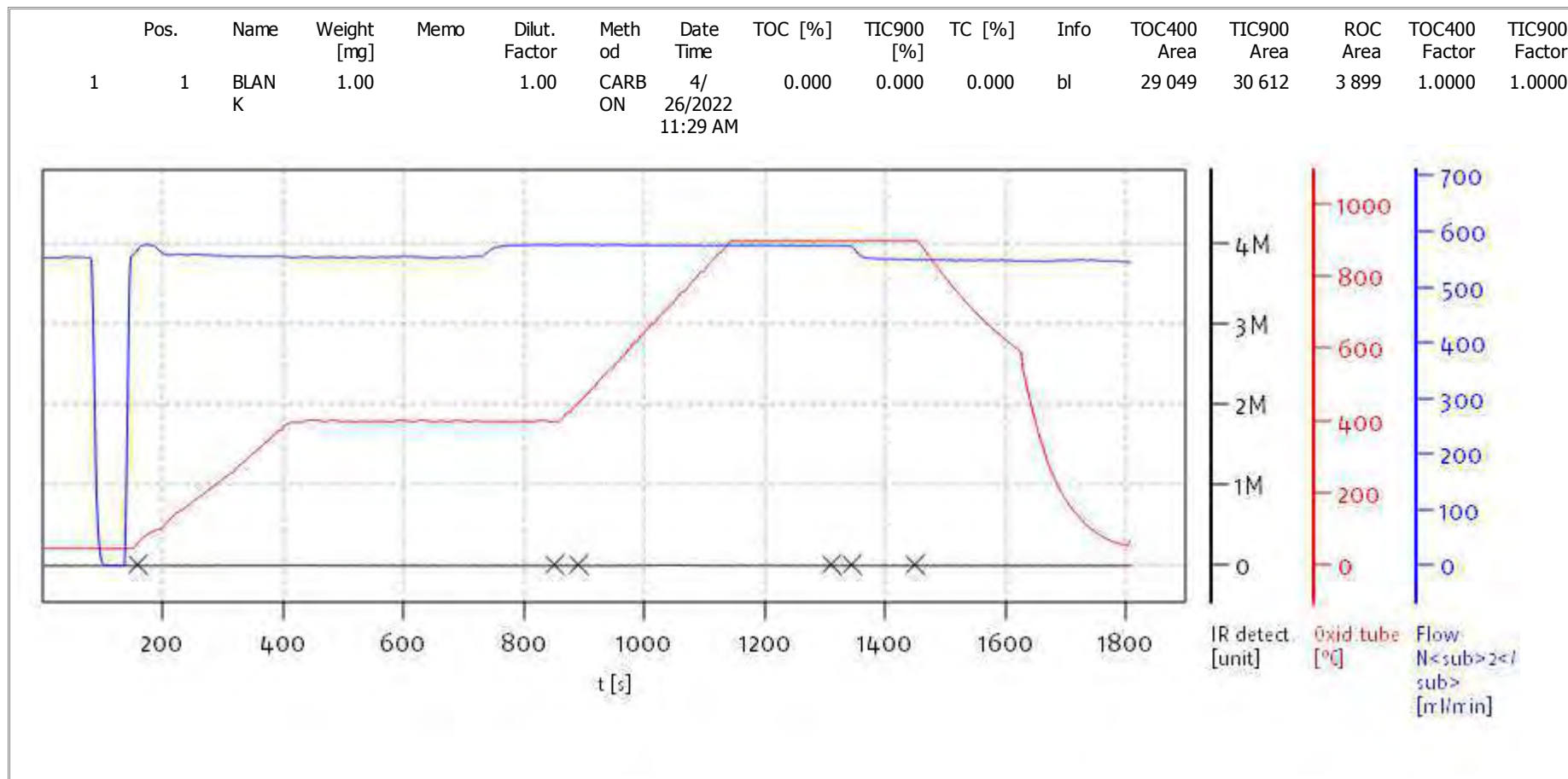
EPA 9060A m

Laboratory:	Analytical Resources, LLC	SDG:	22G0019
Client:	GeoEngineers	Project:	RG Haley Site-Bellingham
Calibration:	FD00070	Instrument:	TOC Cube
Calibration Date:	04/26/2022 11:29		

COMPOUND	Mean RF	RF RSD	Linear COD	Quad COD	COD Limit	Q
Total Organic Carbon	1424064	15.9	0.9988			
Total Carbon	1424064	15.9	0.9988			
Total Inorganic Carbon	1424064	15.9	0.9988			
% Soot	1424064	15.9	0.9988			



Soli TOC Cube, Carbon
Balance: BAL3
Analyst: DOE



Name:

Access: solITOC superuser

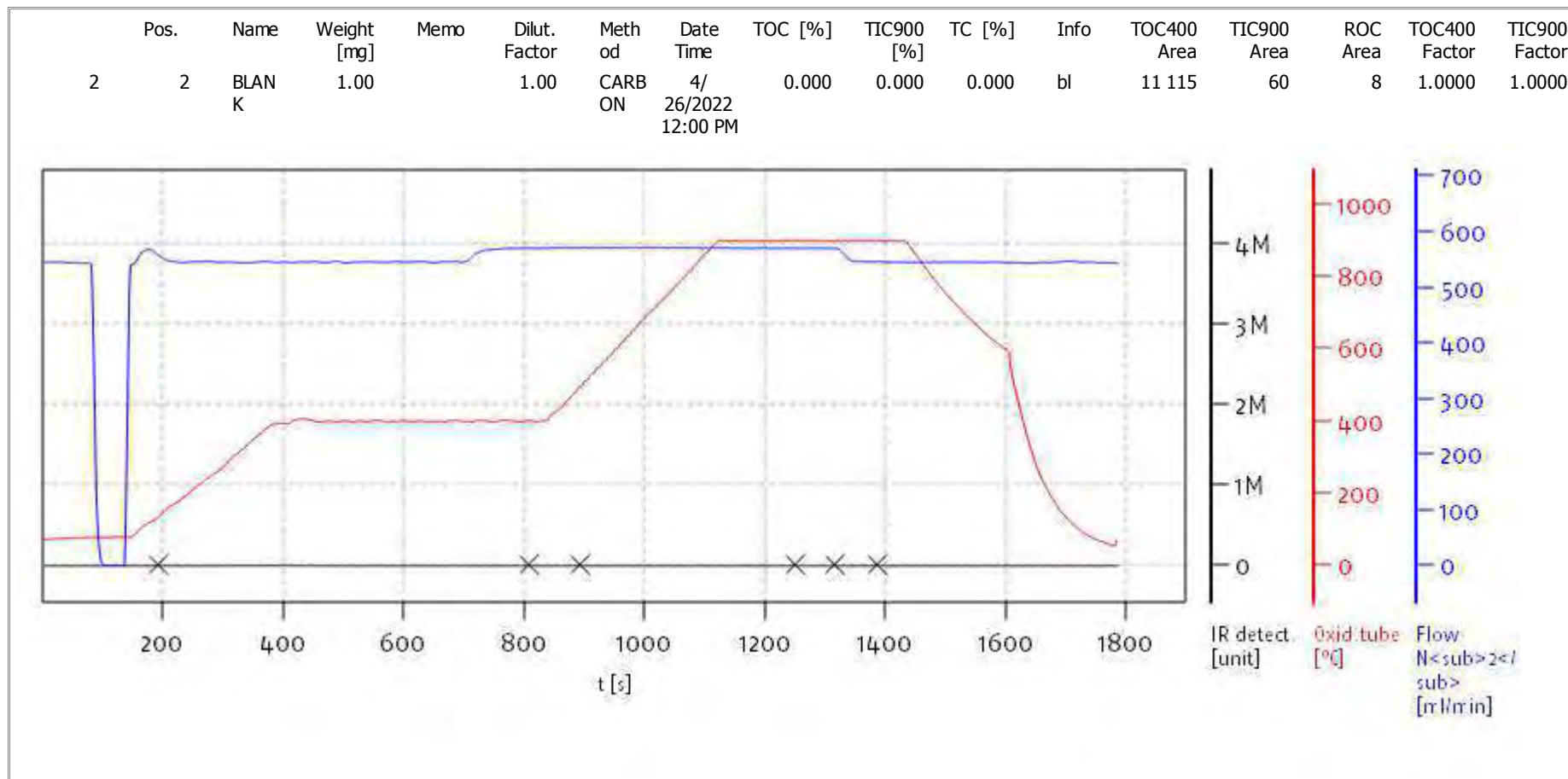
Date: Wed Apr 27 11:07:12 2022



solITOC V2.0.2 (31015f9) 2018-11-19
Serial No: 0300.181017
Mode CCC



Soli TOC Cube, Carbon
Balance: BAL3
Analyst: DOE



Name:

Access: solITOC superuser

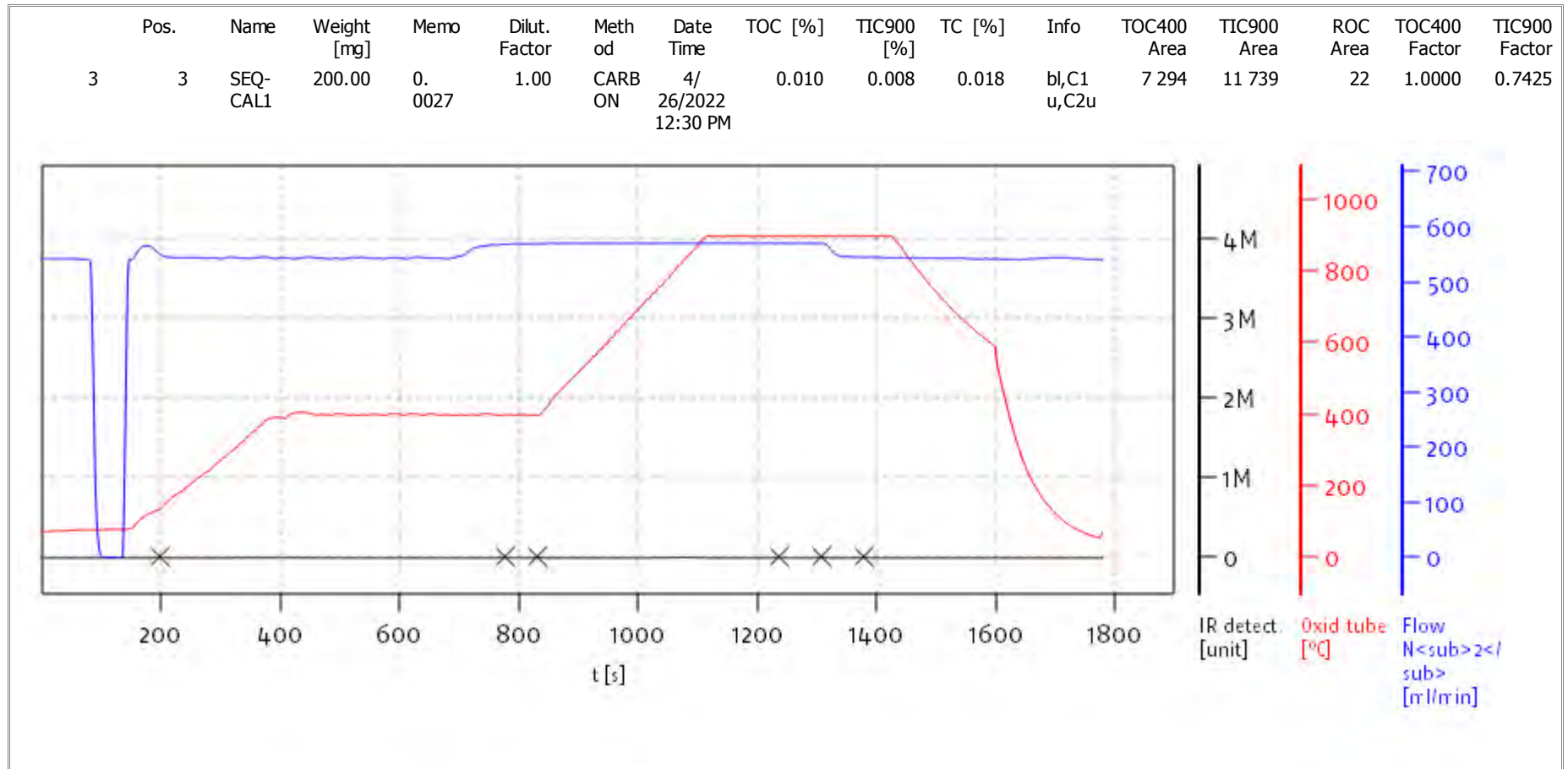
Date: Wed Apr 27 11:07:12 2022



solITOC V2.0.2 (31015f9) 2018-11-19
Serial No: 0300.181017
Mode CCC



Soli TOC Cube, Carbon
Balance: BAL3
Analyst: DOE



Name:

Access: solITOC superuser

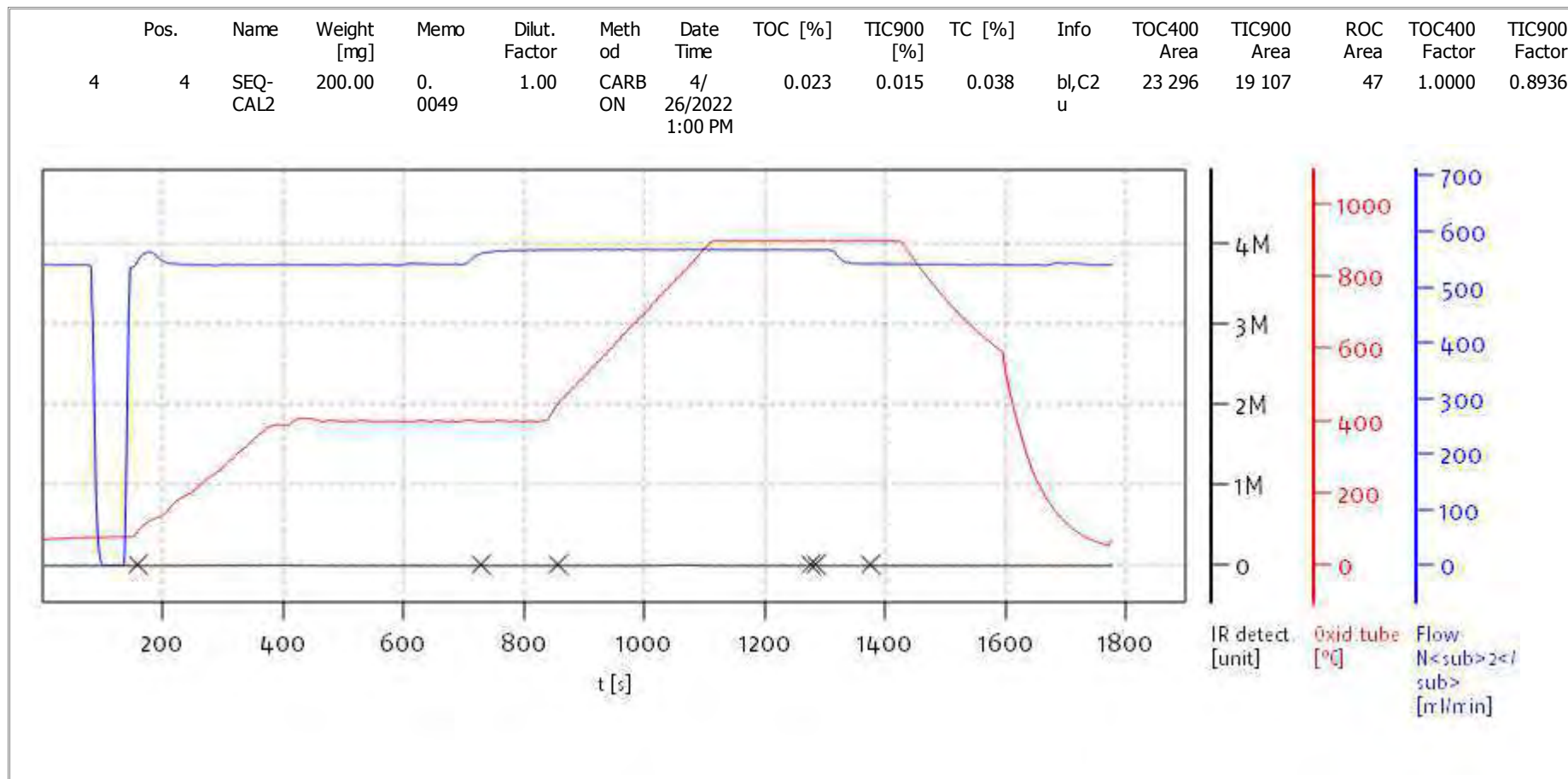
Date: Wed Apr 27 11:07:12 2022



solITOC V2.0.2 (31015f9) 2018-11-19
Serial No: 0300.181017
Mode CCC



Soli TOC Cube, Carbon
Balance: BAL3
Analyst: DOE



Name:

Access: solITOC superuser

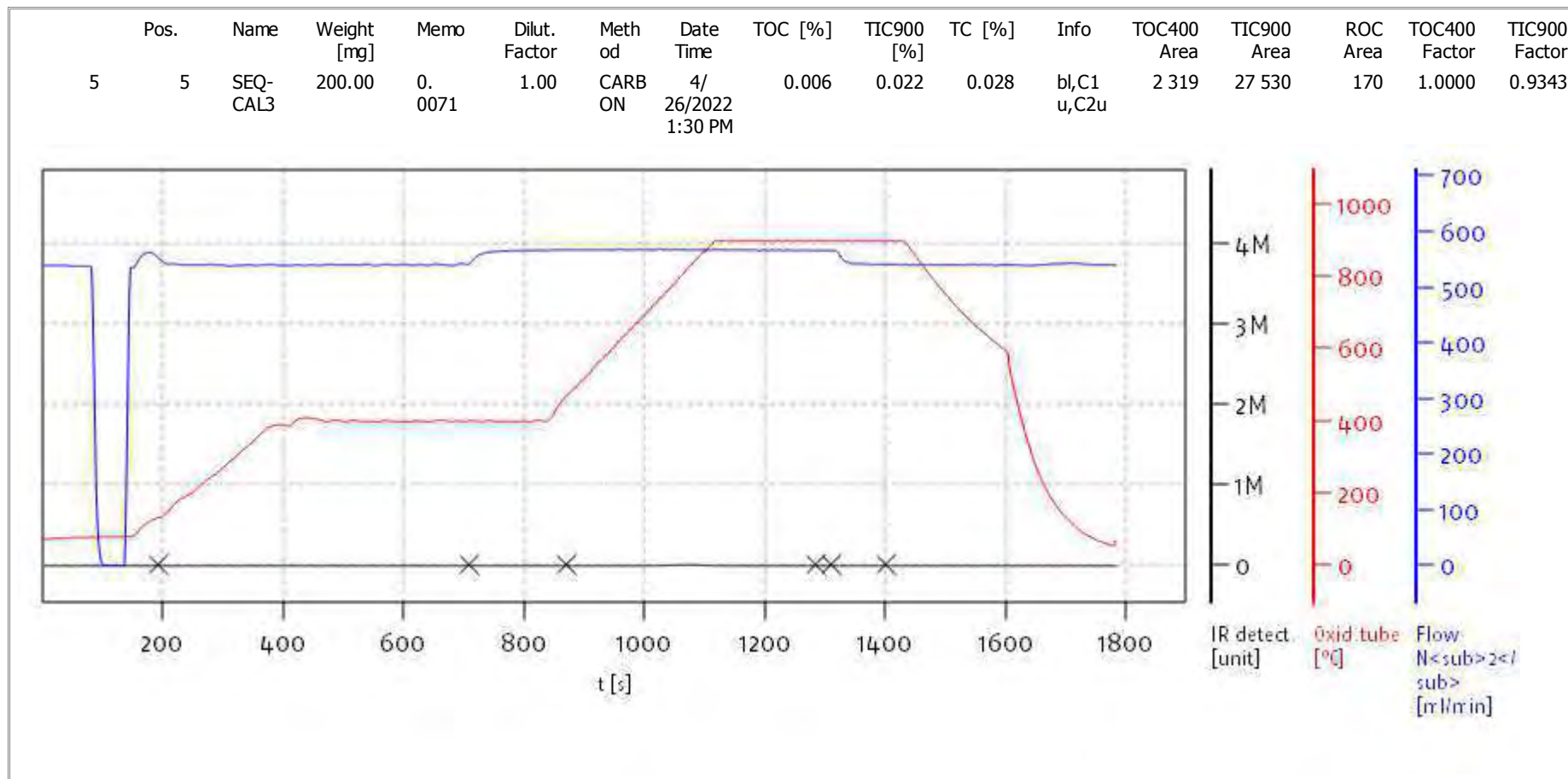
Date: Wed Apr 27 11:07:12 2022



solITOC V2.0.2 (31015f9) 2018-11-19
Serial No: 0300.181017
Mode CCC



Soli TOC Cube, Carbon
Balance: BAL3
Analyst: DOE



Name:

Access: solITOC superuser

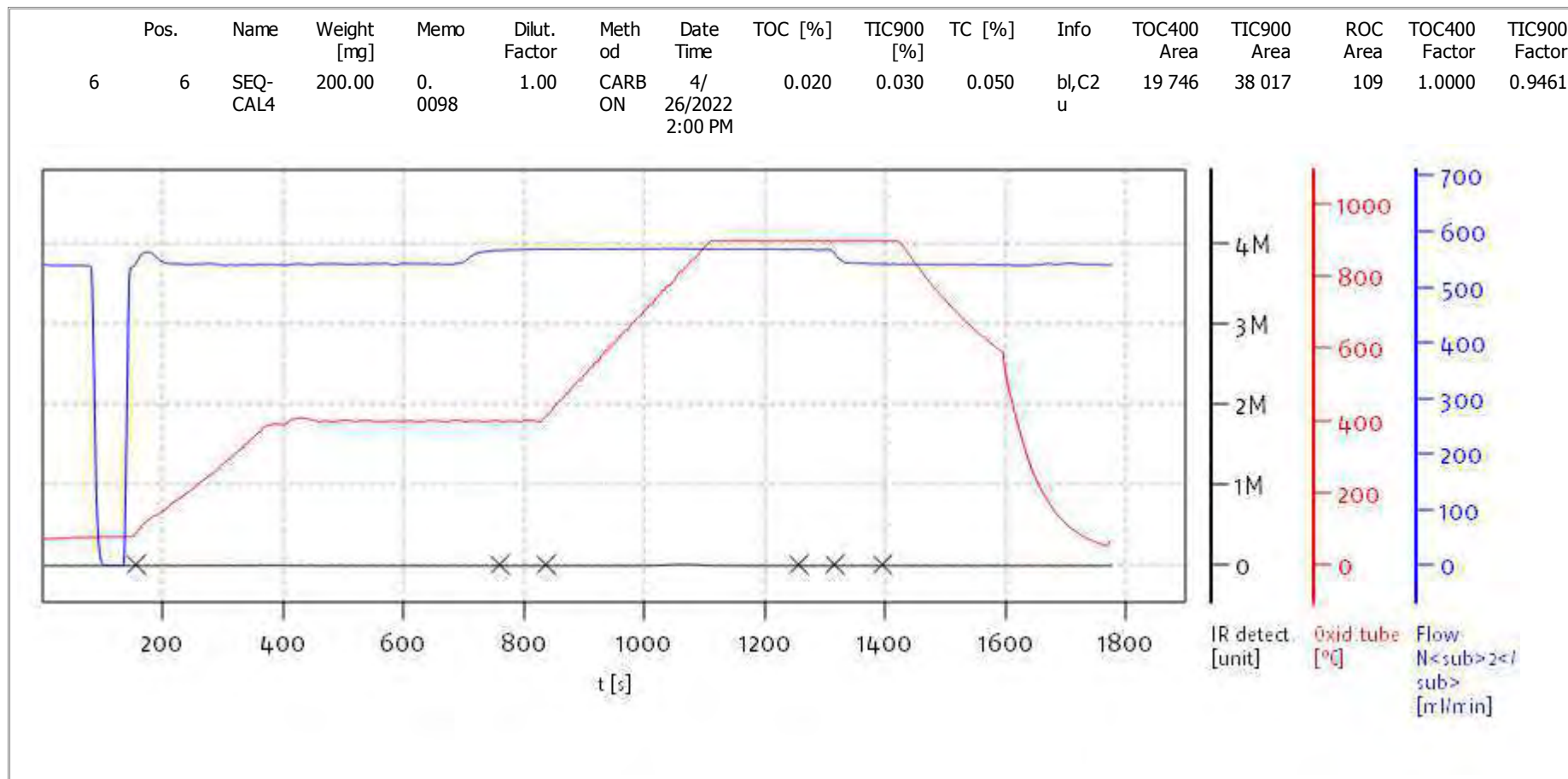
Date: Wed Apr 27 11:07:12 2022



solITOC V2.0.2 (31015f9) 2018-11-19
Serial No: 0300.181017
Mode CCC



Soli TOC Cube, Carbon
Balance: BAL3
Analyst: DOE



Name:

Access: solITOC superuser

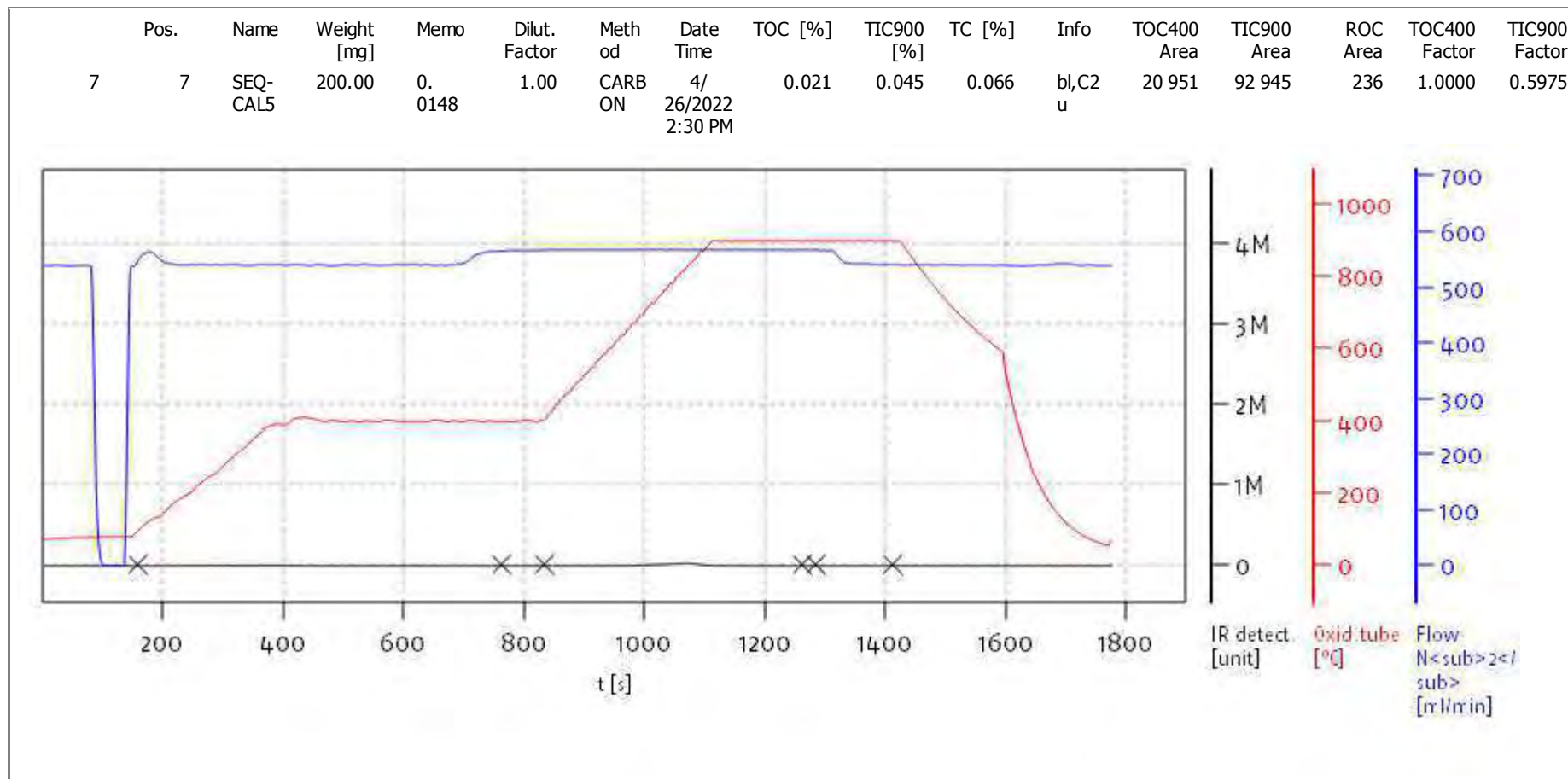
Date: Wed Apr 27 11:07:12 2022



solITOC V2.0.2 (31015f9) 2018-11-19
Serial No: 0300.181017
Mode CCC



Soli TOC Cube, Carbon
Balance: BAL3
Analyst: DOE



Name:

Access: solITOC superuser

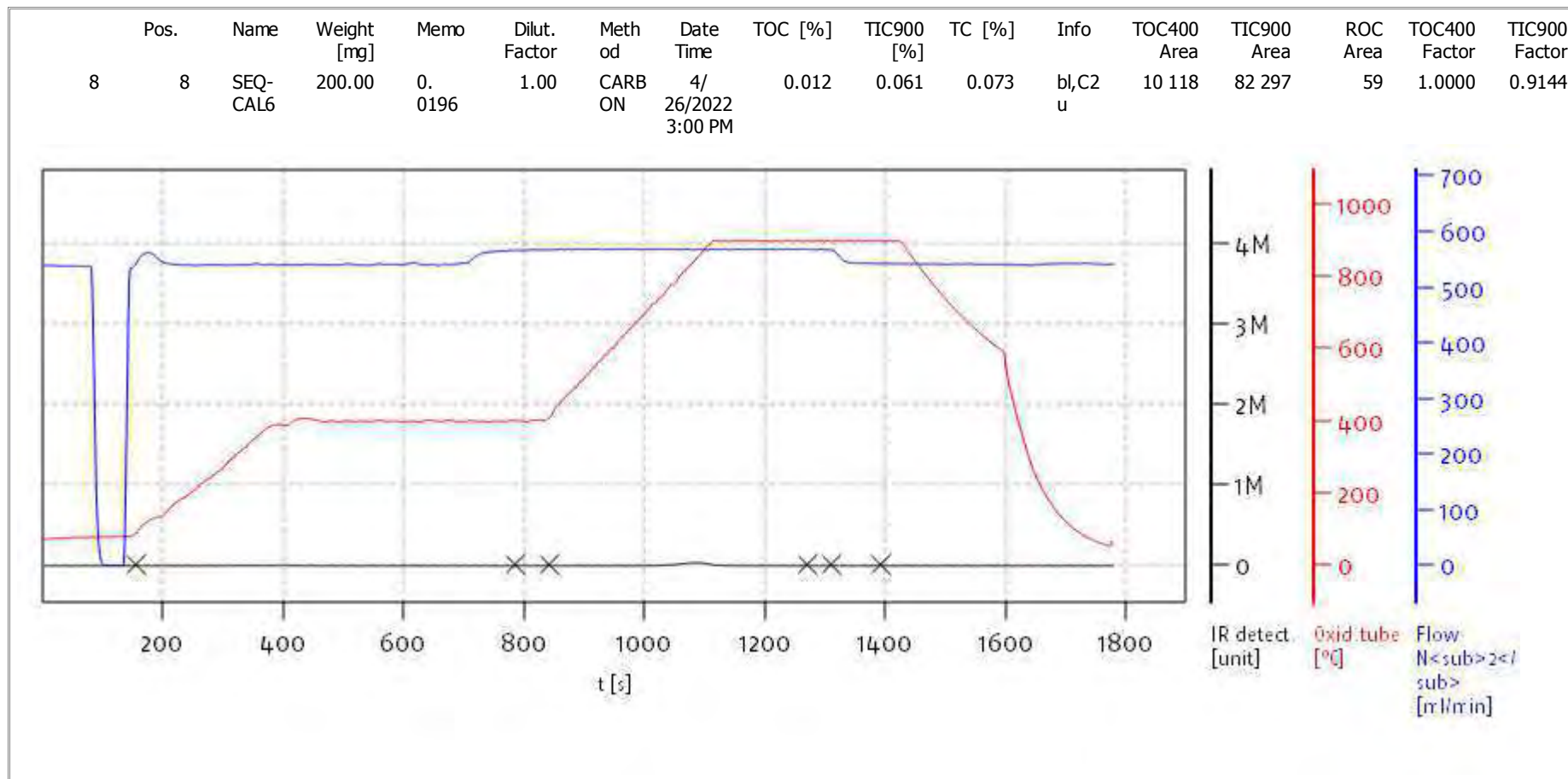
Date: Wed Apr 27 11:07:12 2022



solITOC V2.0.2 (31015f9) 2018-11-19
Serial No: 0300.181017
Mode CCC



Soli TOC Cube, Carbon
Balance: BAL3
Analyst: DOE



Name:

Access: solITOC superuser

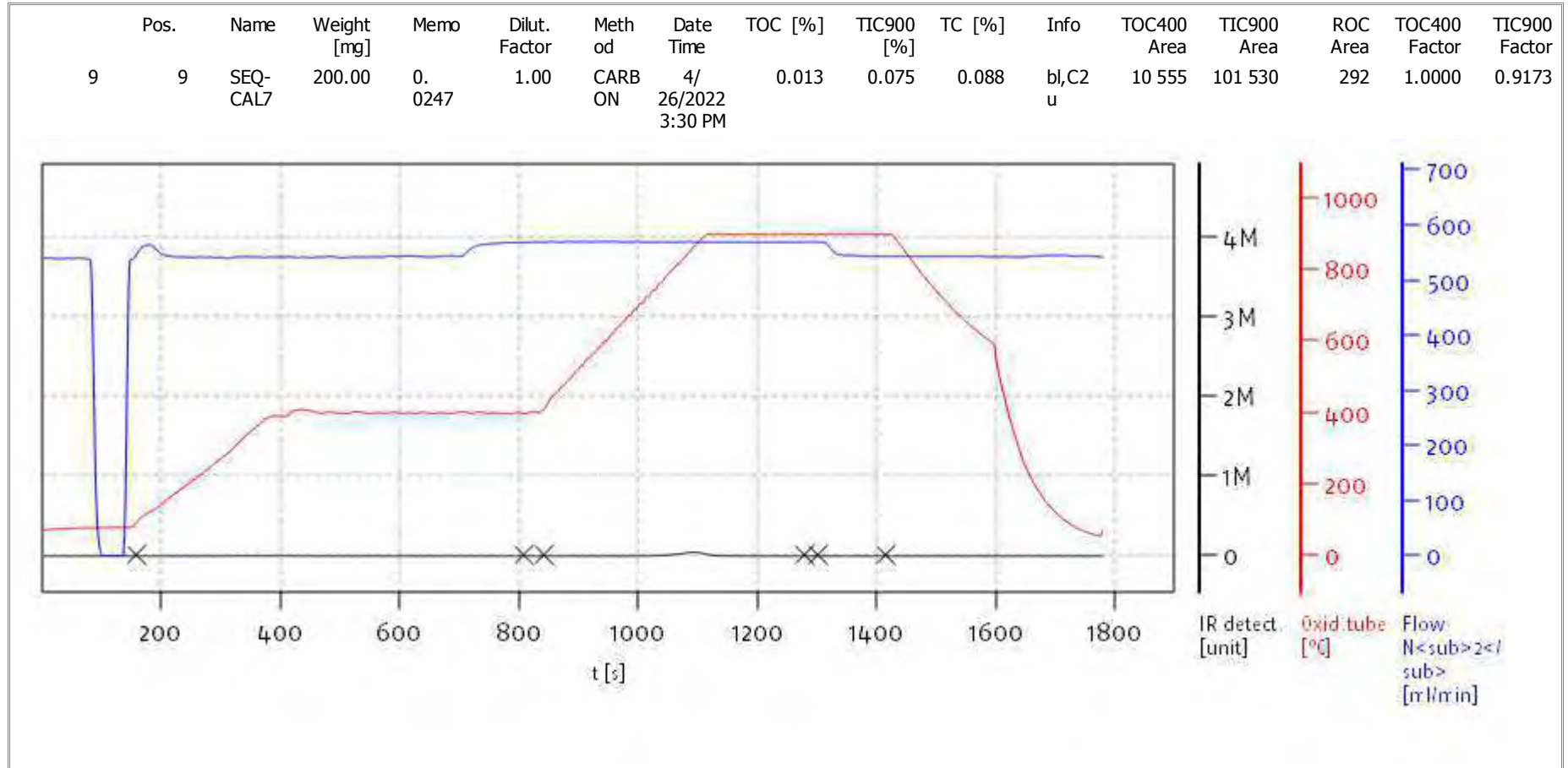
Date: Wed Apr 27 11:07:12 2022



solITOC V2.0.2 (31015f9) 2018-11-19
Serial No: 0300.181017
Mode CCC



Soli TOC Cube, Carbon
Balance: BAL3
Analyst: DOE



Name:

Access: solITOC superuser

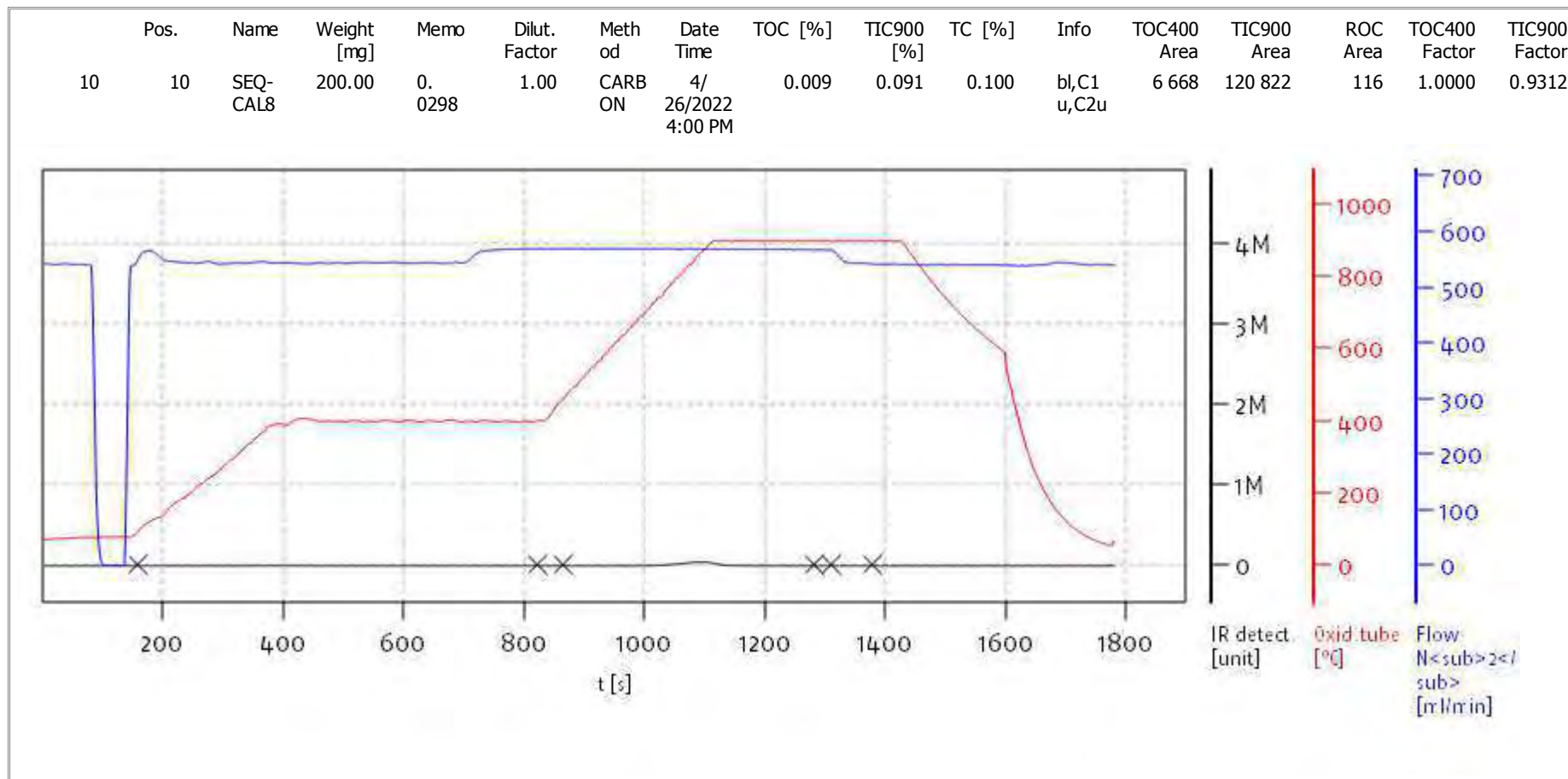
Date: Wed Apr 27 11:07:12 2022



solITOC V2.0.2 (31015f9) 2018-11-19
Serial No: 0300.181017
Mode CCC



Soli TOC Cube, Carbon
Balance: BAL3
Analyst: DOE



Name:

Access: solITOC superuser

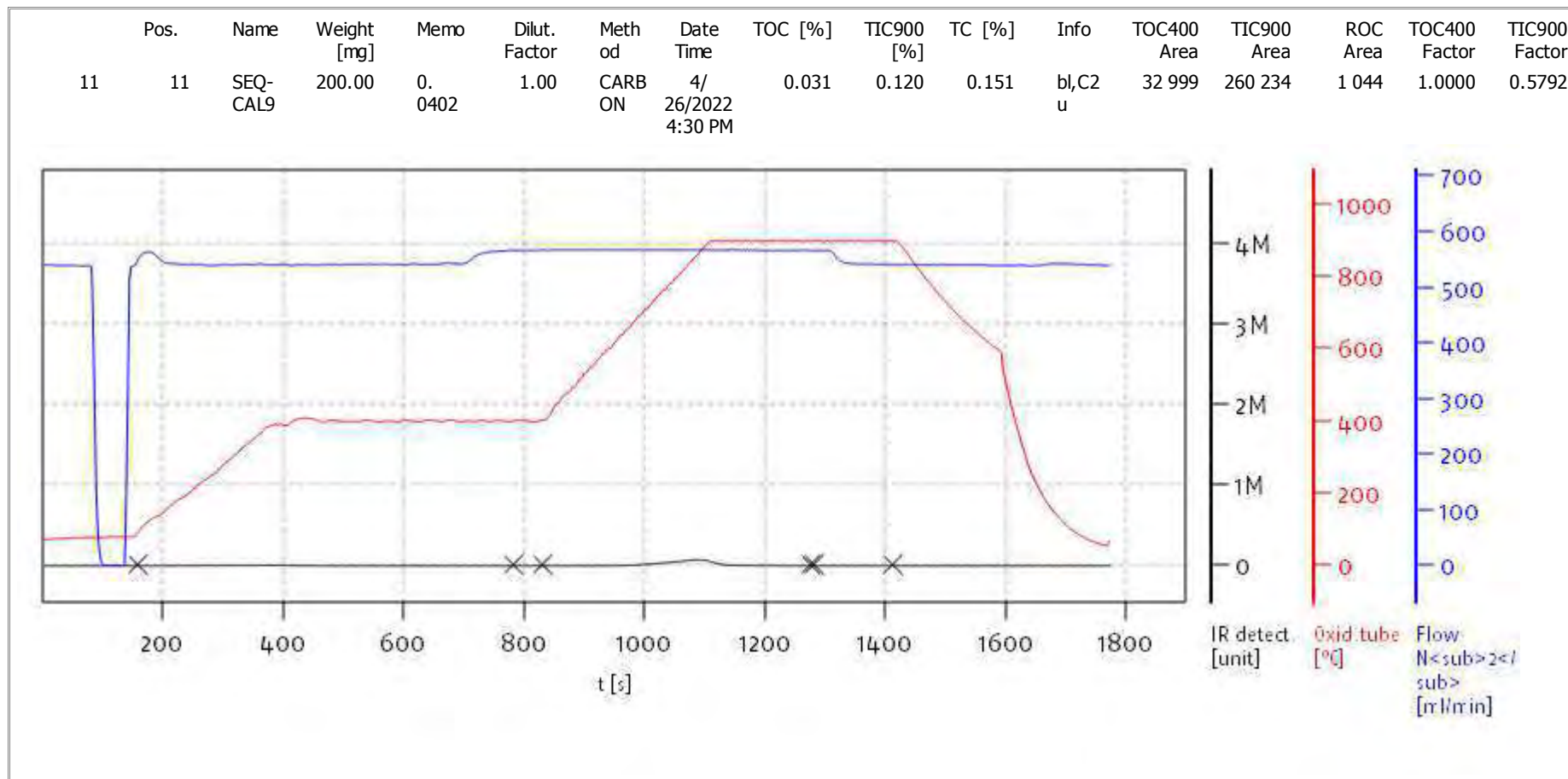
Date: Wed Apr 27 11:07:12 2022



solITOC V2.0.2 (31015f9) 2018-11-19
Serial No: 0300.181017
Mode CCC



Soli TOC Cube, Carbon
Balance: BAL3
Analyst: DOE



Name:

Access: solITOC superuser

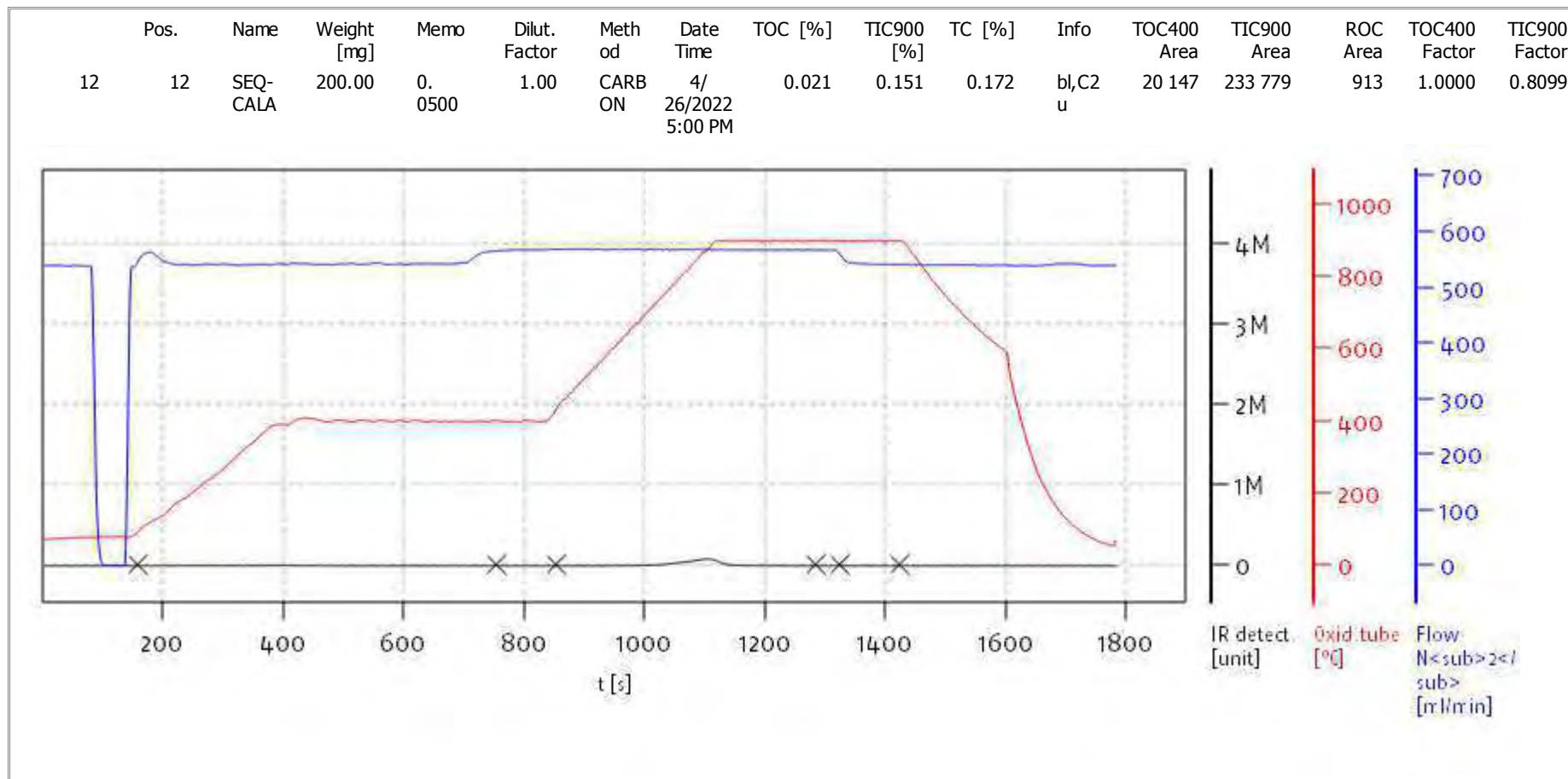
Date: Wed Apr 27 11:07:12 2022



solITOC V2.0.2 (31015f9) 2018-11-19
Serial No: 0300.181017
Mode CCC



Soli TOC Cube, Carbon
Balance: BAL3
Analyst: DOE



Name:

Access: solITOC superuser

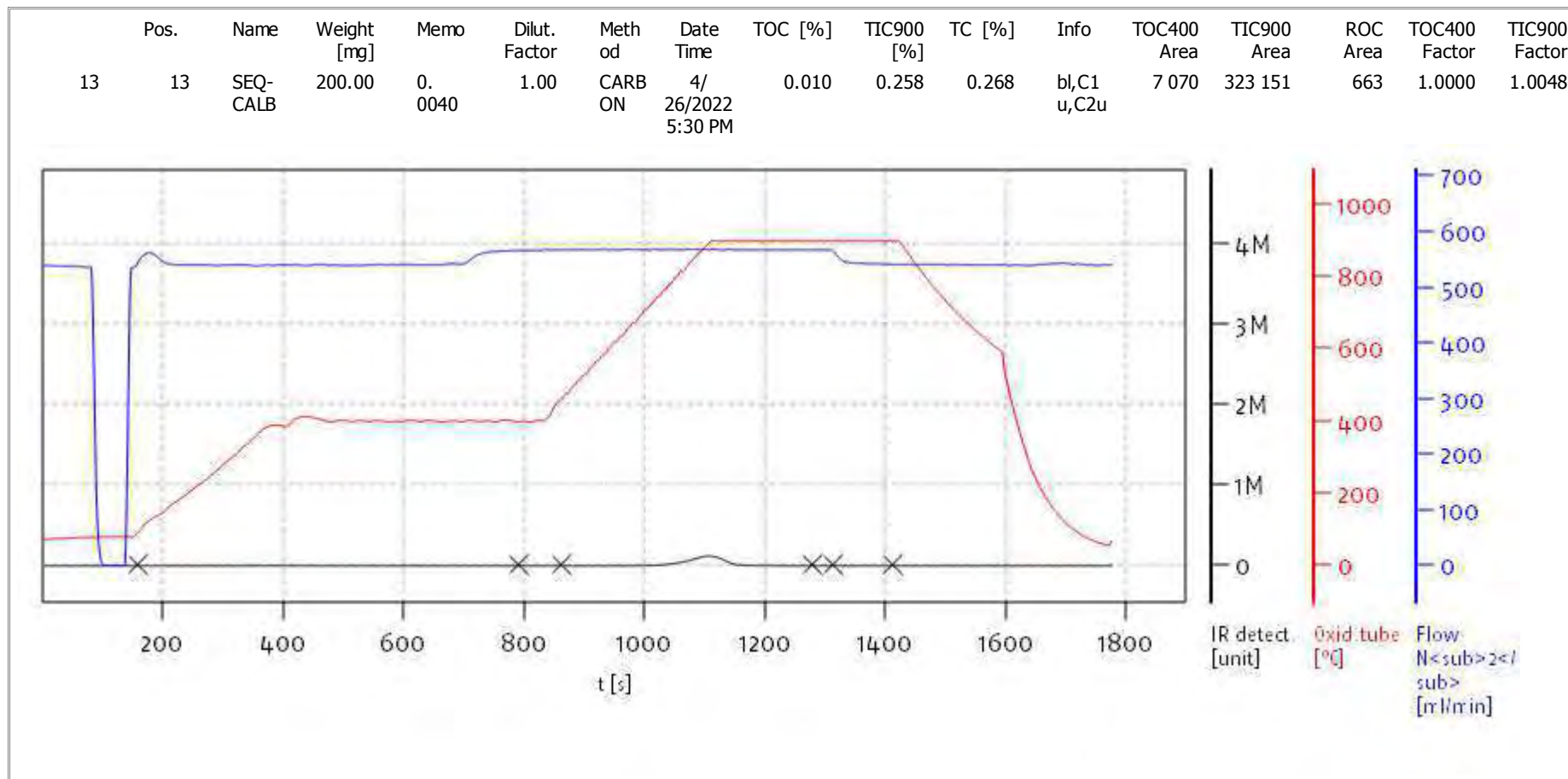
Date: Wed Apr 27 11:07:12 2022



solITOC V2.0.2 (31015f9) 2018-11-19
Serial No: 0300.181017
Mode CCC



Soli TOC Cube, Carbon
Balance: BAL3
Analyst: DOE



Name:

Access: solITOC superuser

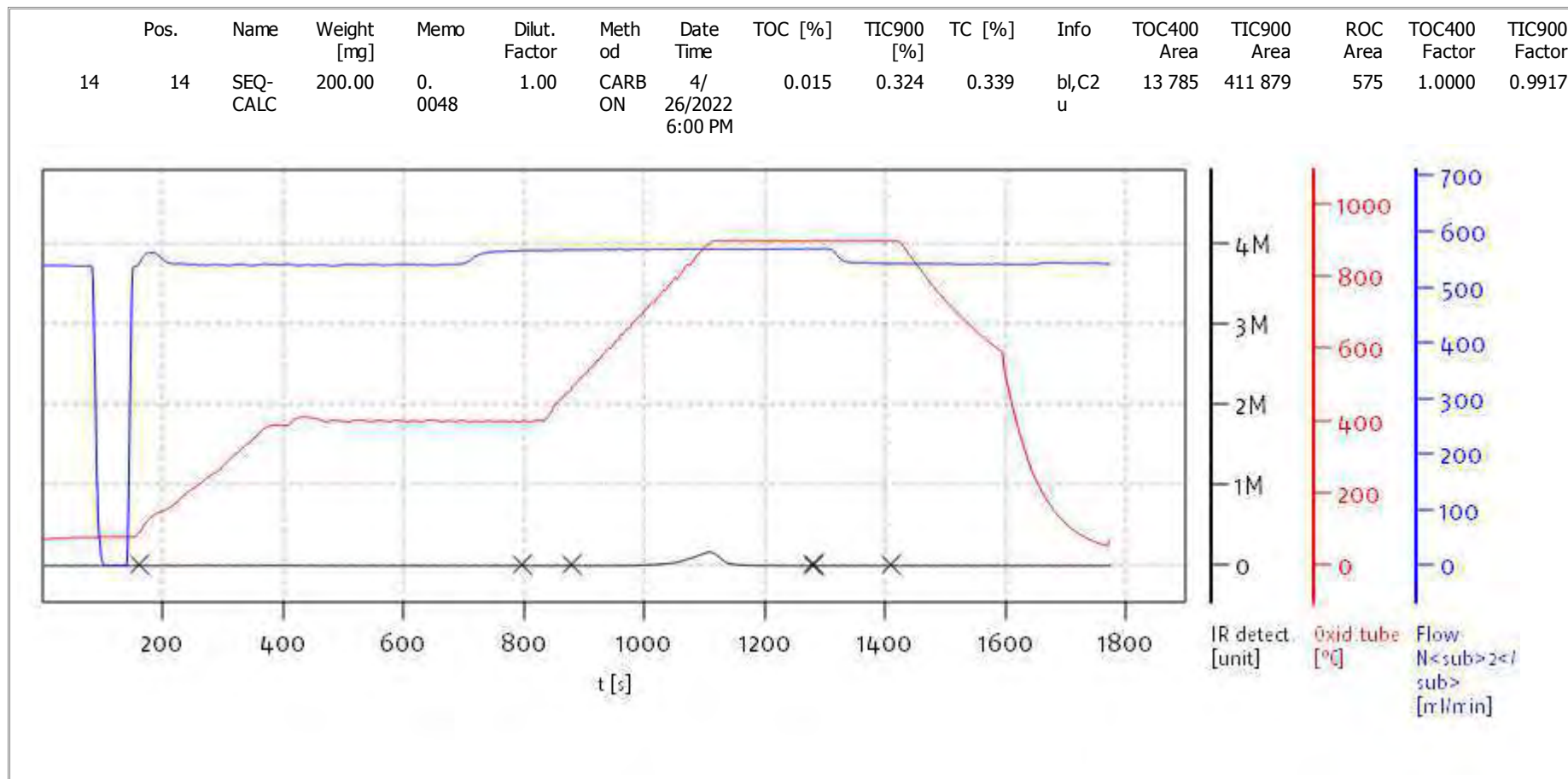
Date: Wed Apr 27 11:07:12 2022



solITOC V2.0.2 (31015f9) 2018-11-19
Serial No: 0300.181017
Mode CCC



Soli TOC Cube, Carbon
Balance: BAL3
Analyst: DOE



Name:

Access: solITOC superuser

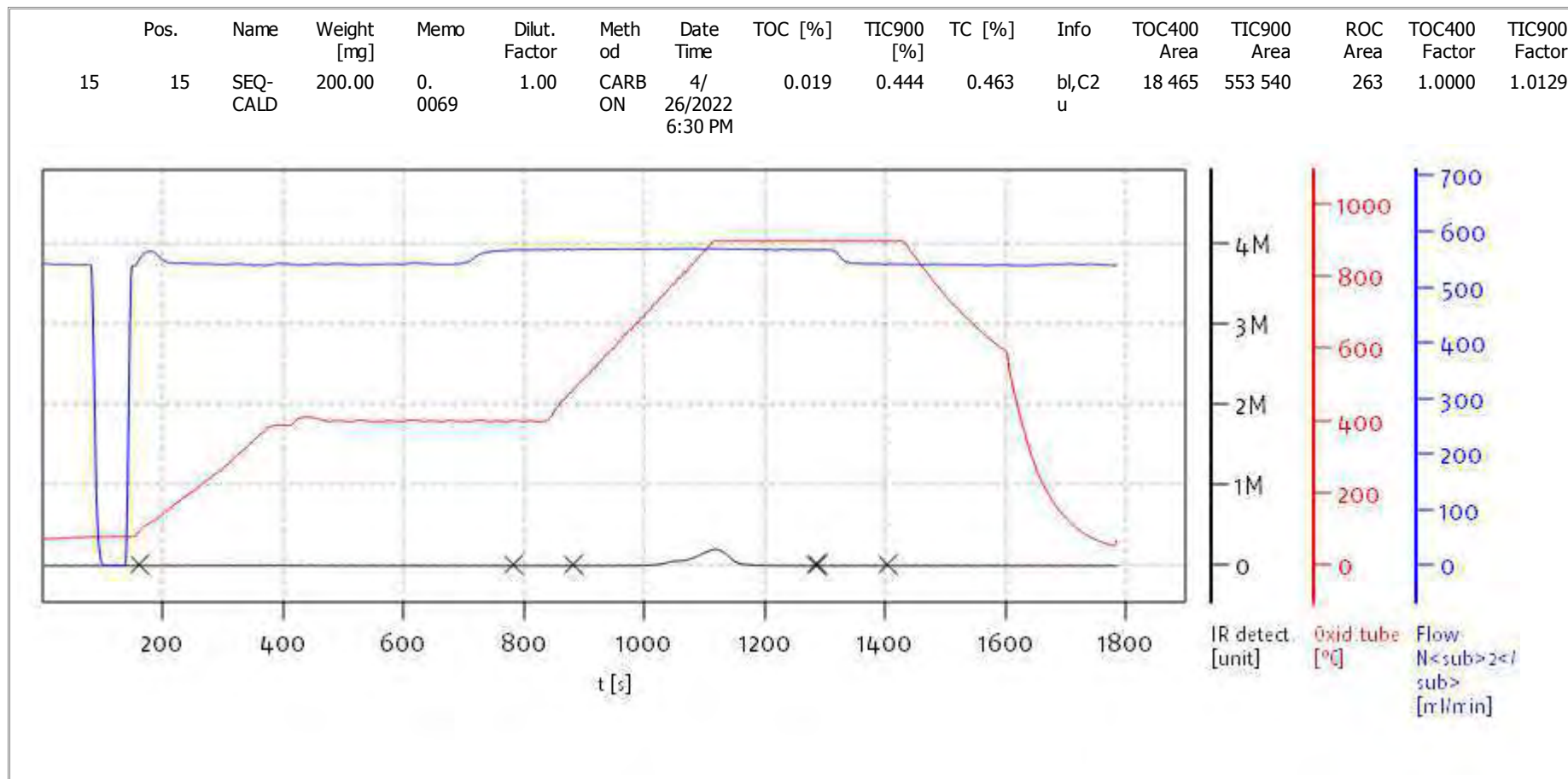
Date: Wed Apr 27 11:07:12 2022



solITOC V2.0.2 (31015f9) 2018-11-19
Serial No: 0300.181017
Mode CCC



Soli TOC Cube, Carbon
Balance: BAL3
Analyst: DOE



Name:

Access: solITOC superuser

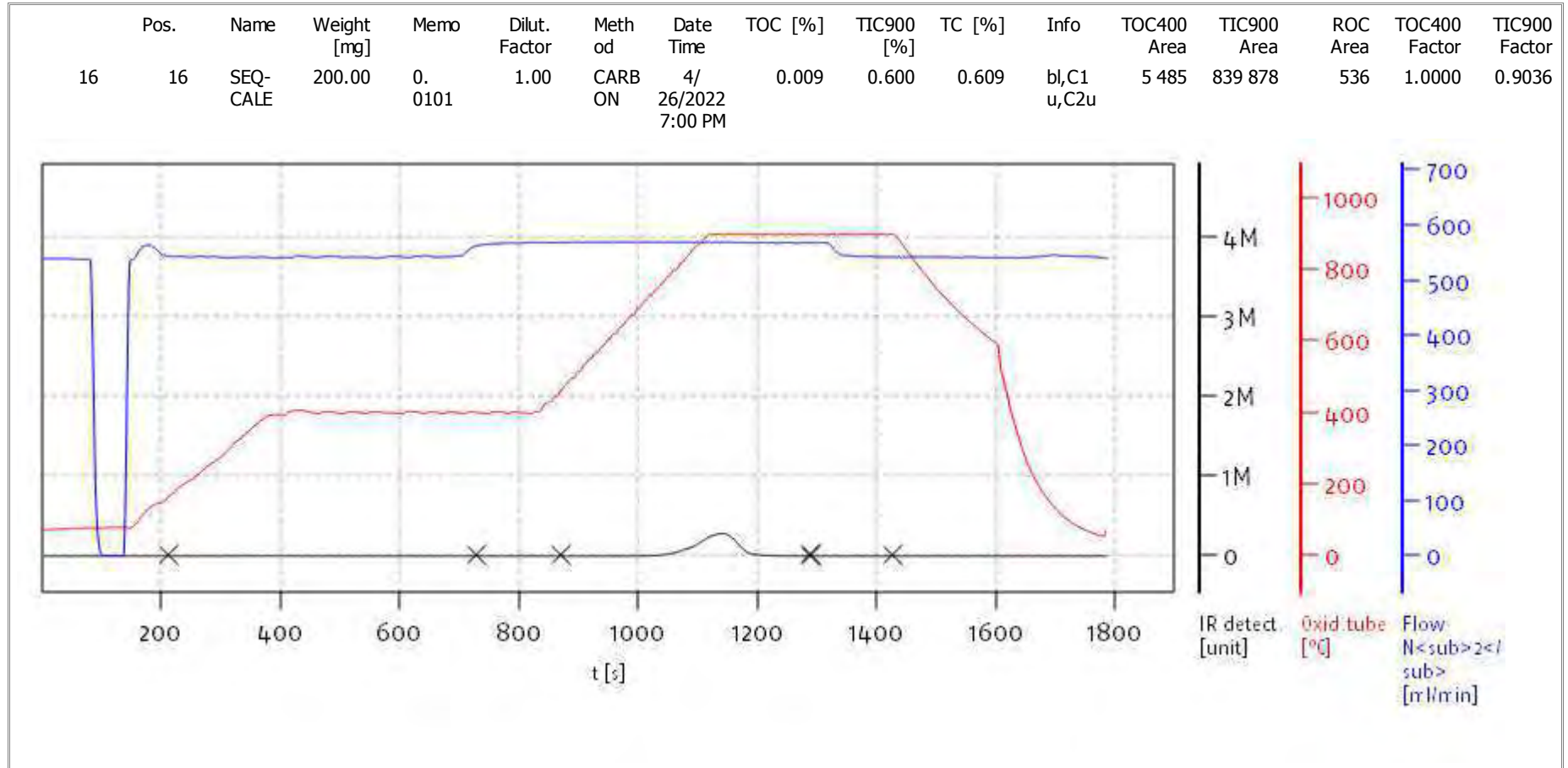
Date: Wed Apr 27 11:07:12 2022



solITOC V2.0.2 (31015f9) 2018-11-19
Serial No: 0300.181017
Mode CCC



Soli TOC Cube, Carbon
Balance: BAL3
Analyst: DOE



Name:

Access: solITOC superuser

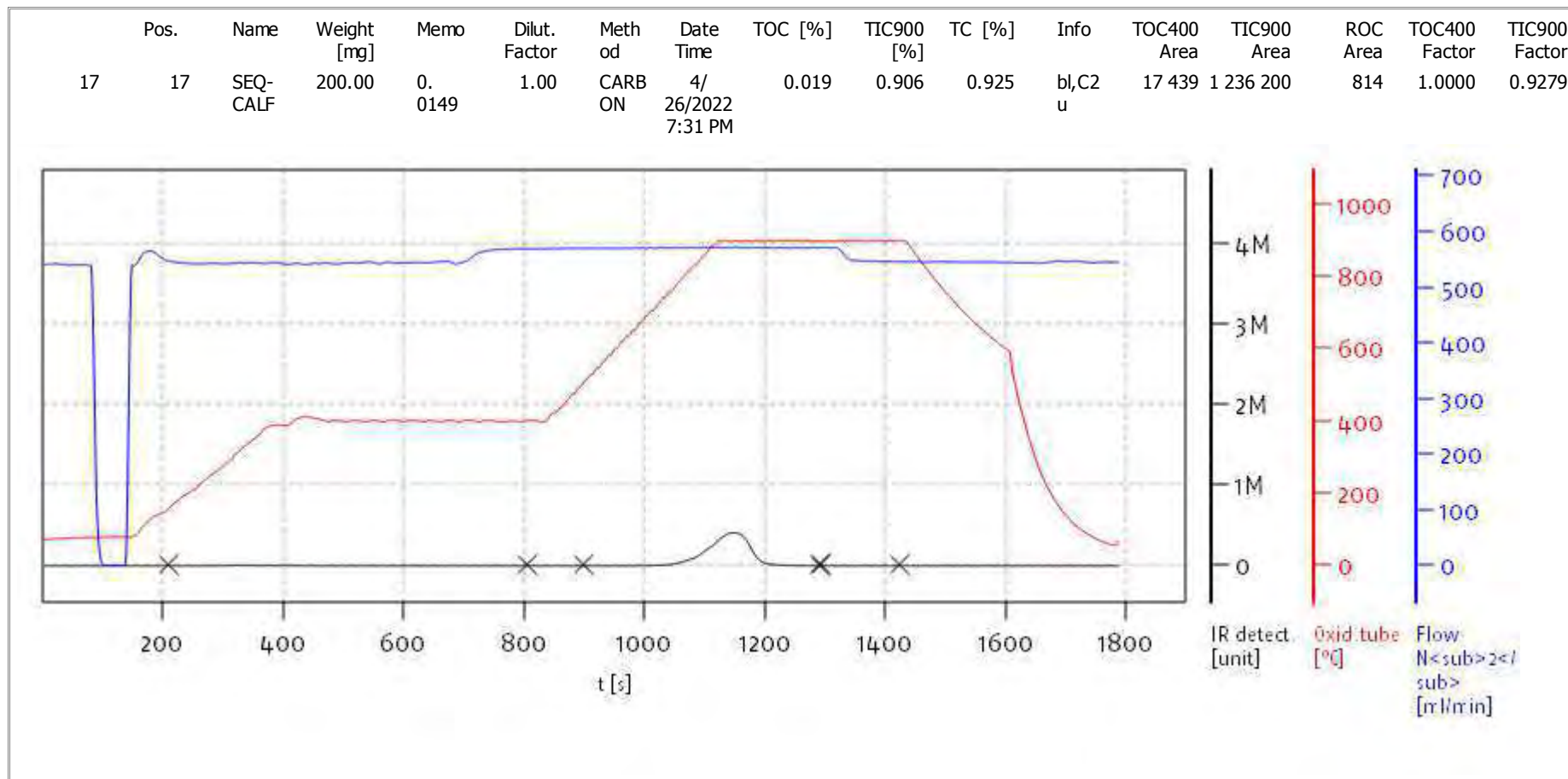
Date: Wed Apr 27 11:07:12 2022



solITOC V2.0.2 (31015f9) 2018-11-19
Serial No: 0300.181017
Mode CCC



Soli TOC Cube, Carbon
Balance: BAL3
Analyst: DOE



Name:

Access: solITOC superuser

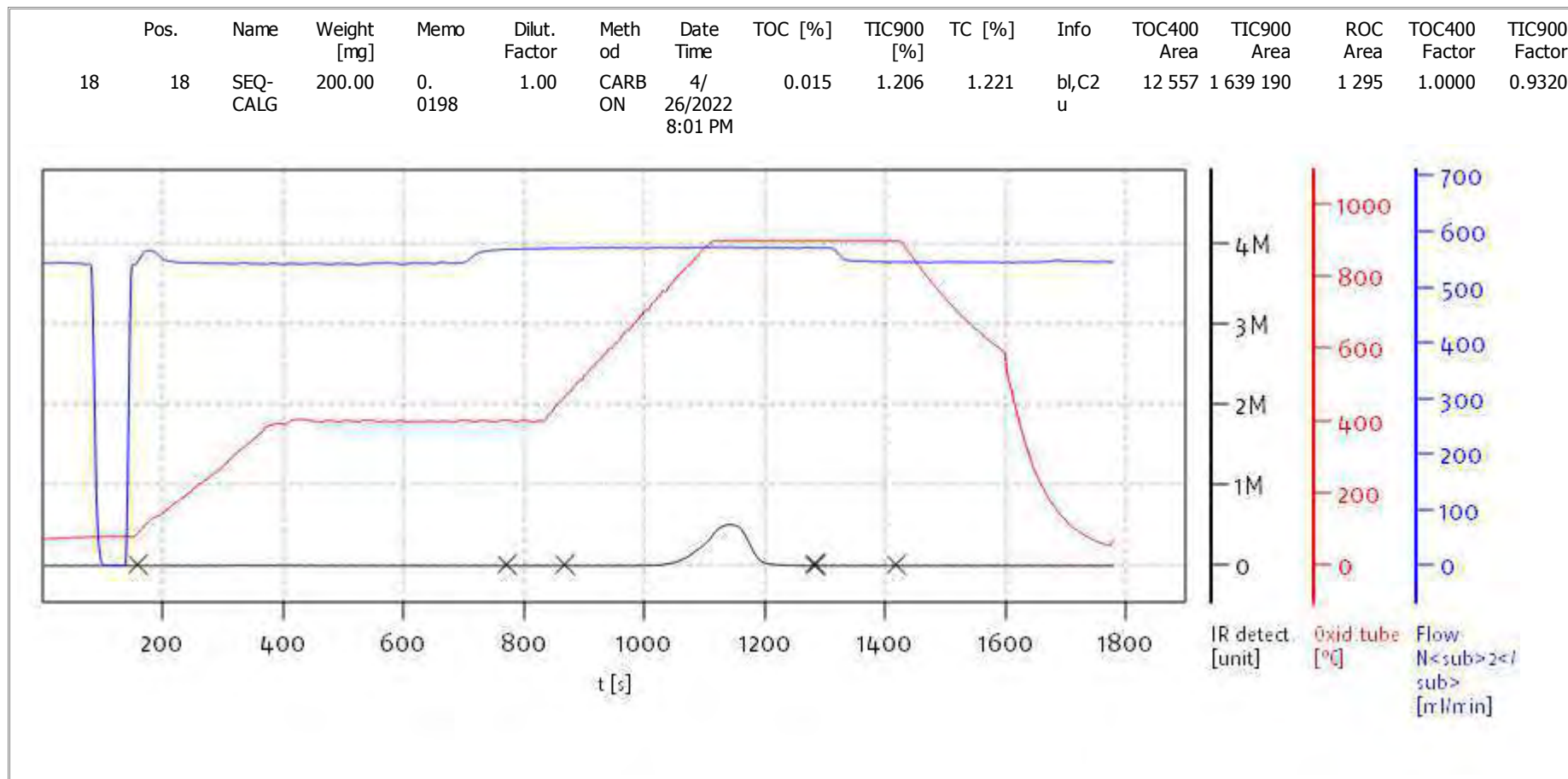
Date: Wed Apr 27 11:07:12 2022



solITOC V2.0.2 (31015f9) 2018-11-19
Serial No: 0300.181017
Mode CCC



Soli TOC Cube, Carbon
Balance: BAL3
Analyst: DOE



Name:

Access: solITOC superuser

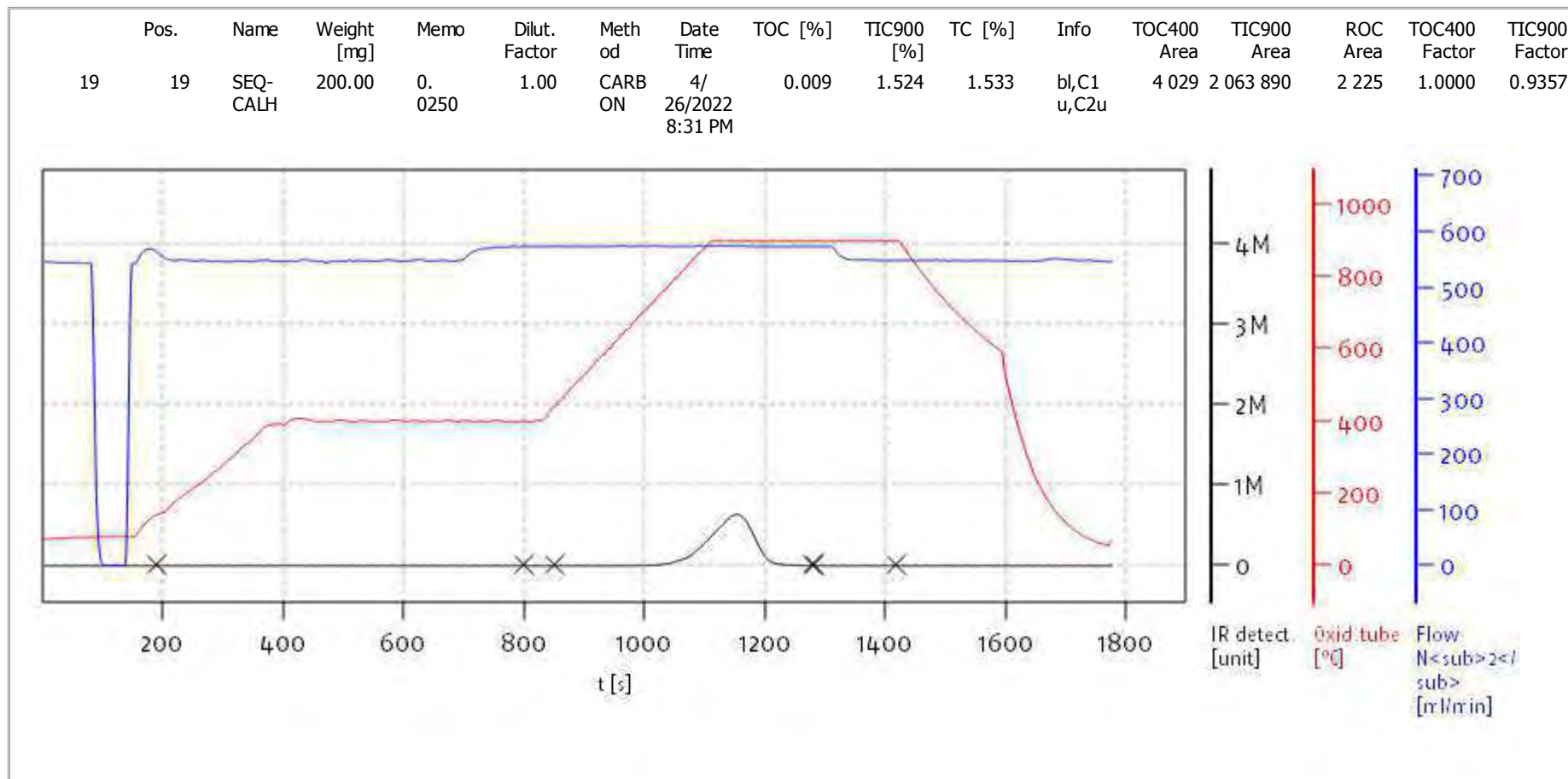
Date: Wed Apr 27 11:07:12 2022



solITOC V2.0.2 (31015f9) 2018-11-19
Serial No: 0300.181017
Mode CCC



Soli TOC Cube, Carbon
Balance: BAL3
Analyst: DOE



Name:

Access: solITOC superuser

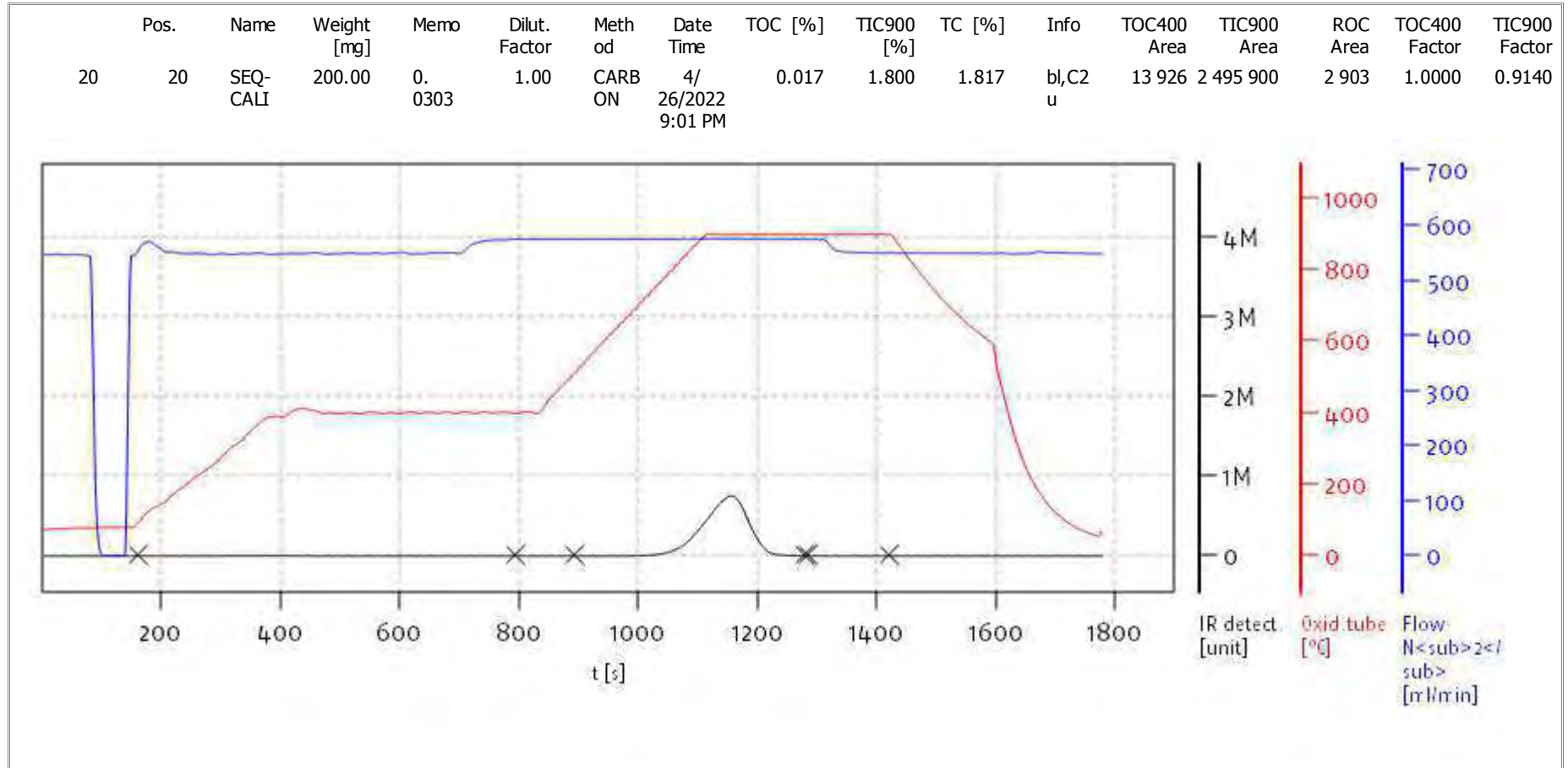
Date: Wed Apr 27 11:07:12 2022



solITOC V2.0.2 (31015f9) 2018-11-19
Serial No: 0300.181017
Mode CCC



Soli TOC Cube, Carbon
Balance: BAL3
Analyst: DOE



Name:

Access: solITOC superuser

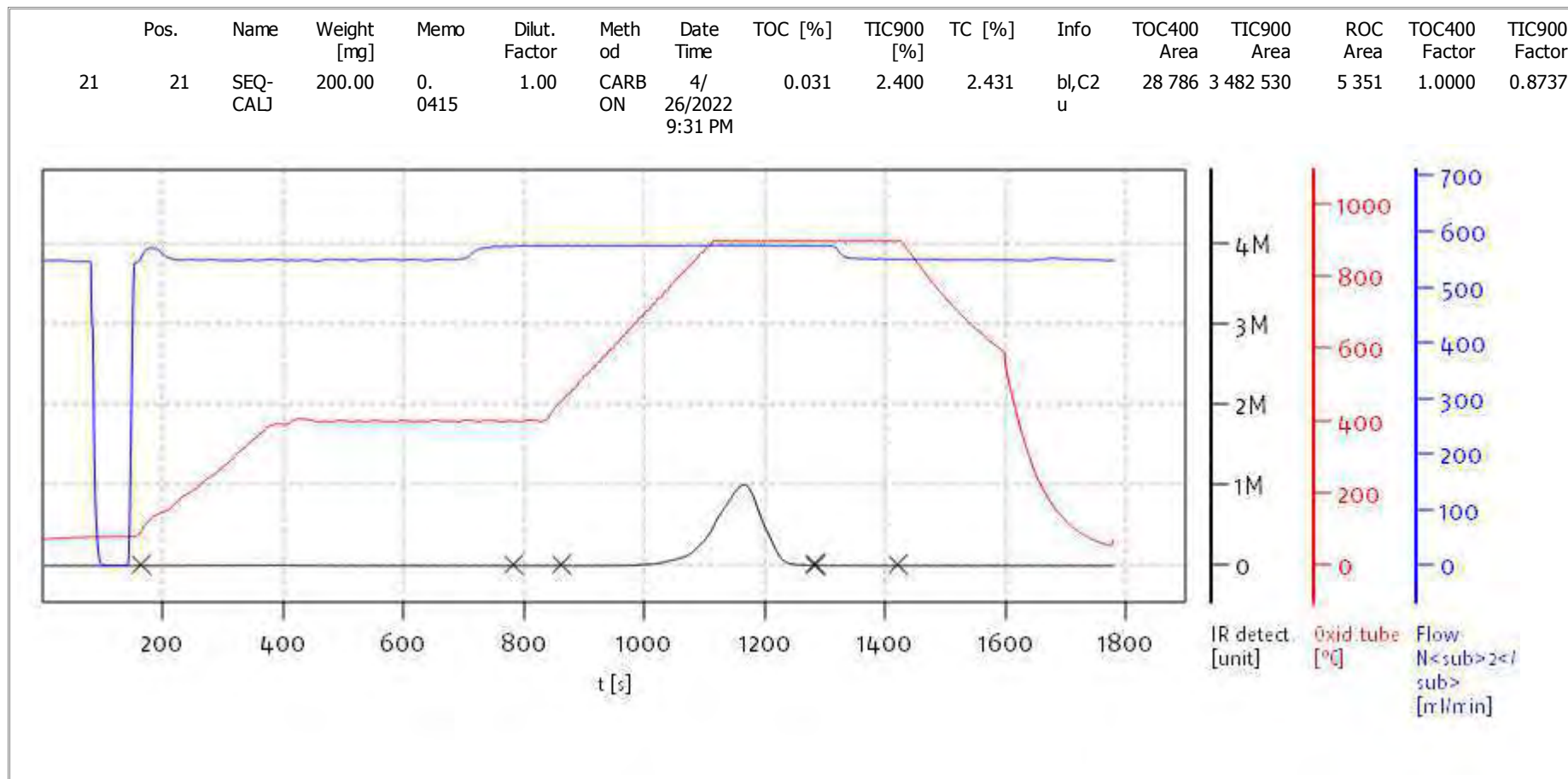
Date: Wed Apr 27 11:07:12 2022



solITOC V2.0.2 (31015f9) 2018-11-19
Serial No: 0300.181017
Mode CCC



Soli TOC Cube, Carbon
Balance: BAL3
Analyst: DOE



Name:

Access: solITOC superuser

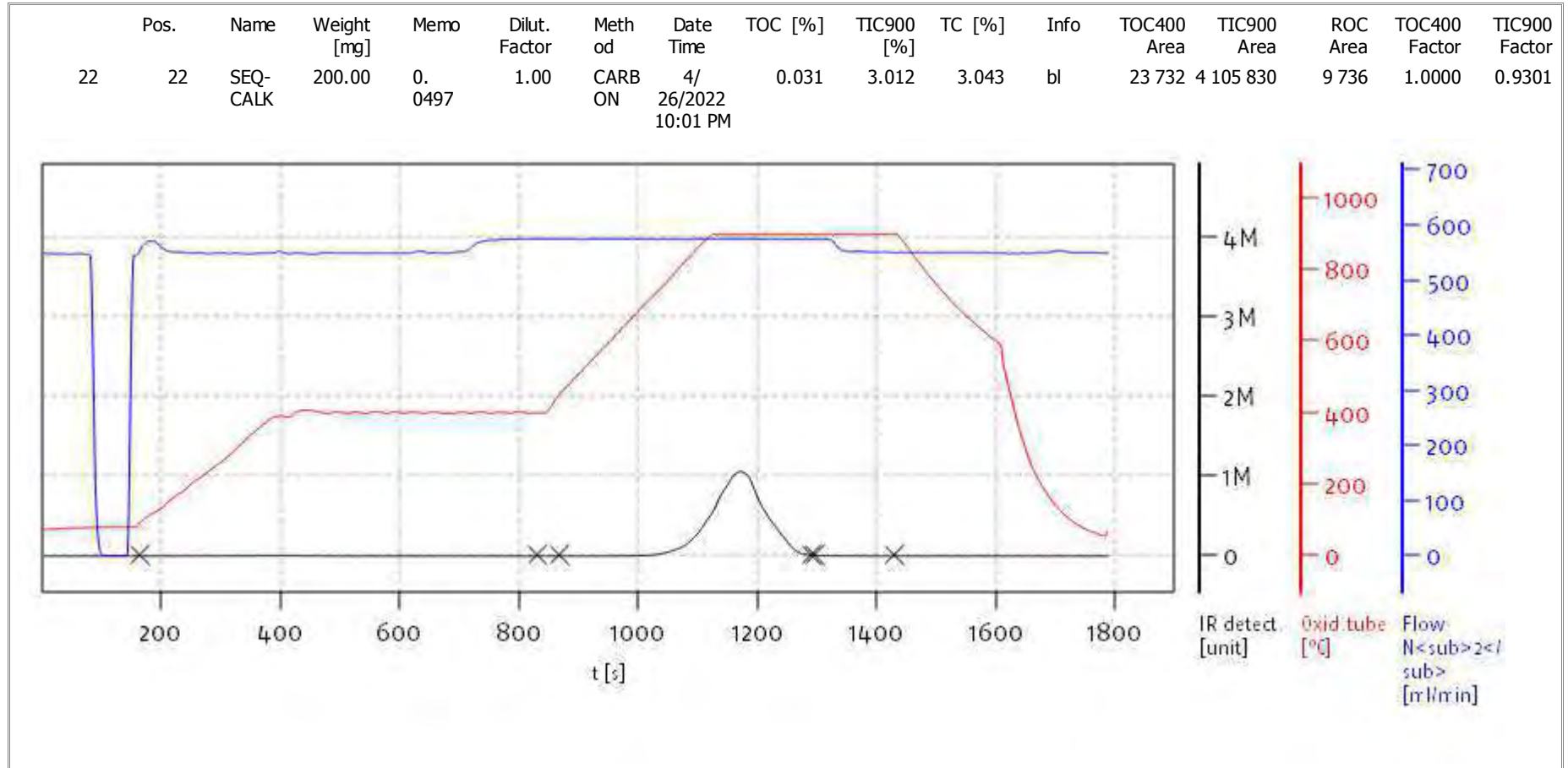
Date: Wed Apr 27 11:07:12 2022



solITOC V2.0.2 (31015f9) 2018-11-19
Serial No: 0300.181017
Mode CCC



Soli TOC Cube, Carbon
Balance: BAL3
Analyst: DOE



Name:

Access: solITOC superuser

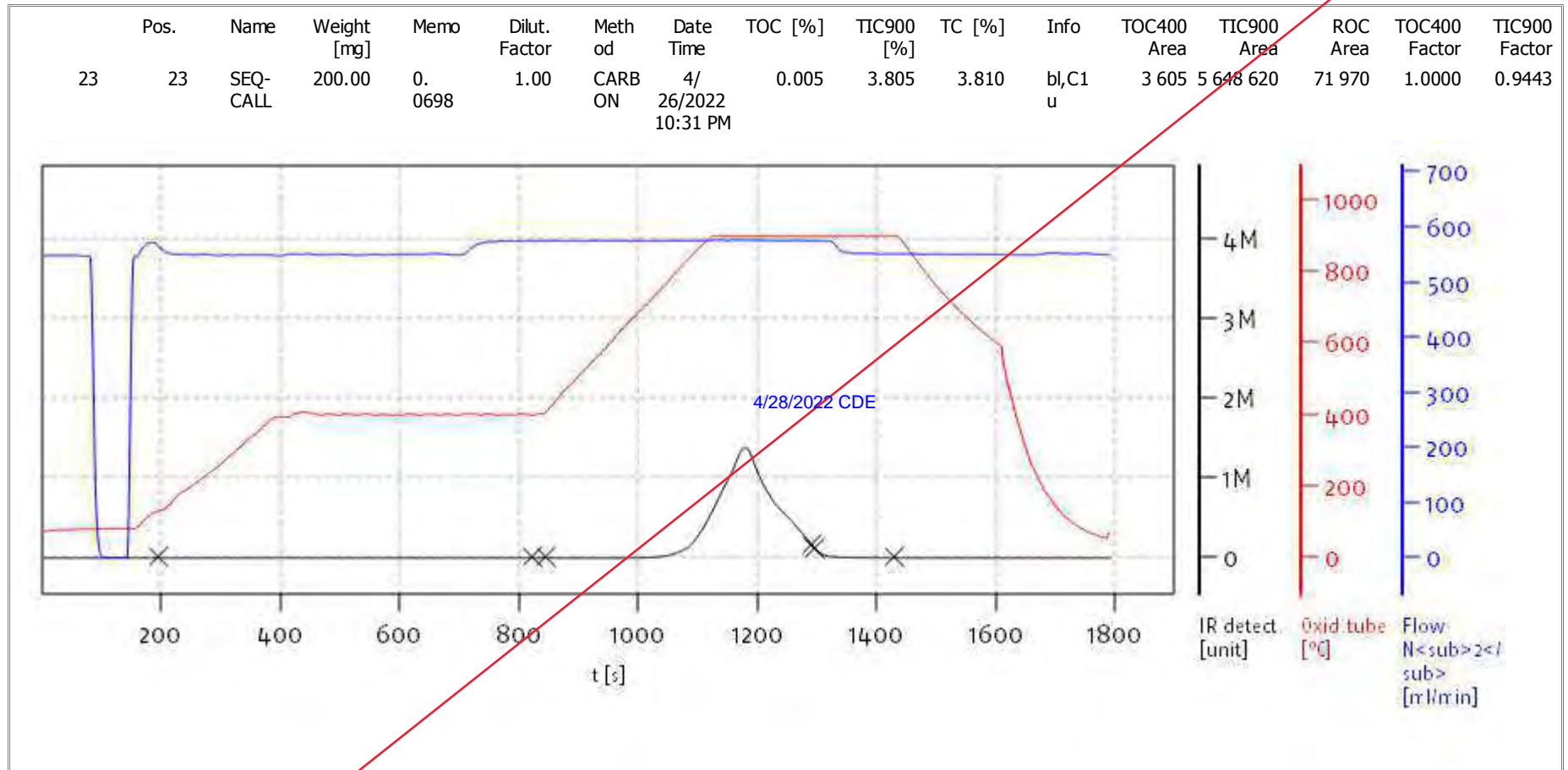
Date: Wed Apr 27 11:07:12 2022



solITOC V2.0.2 (31015f9) 2018-11-19
Serial No: 0300.181017
Mode CCC



Soli TOC Cube, Carbon
Balance: BAL3
Analyst: DOE



Name:

Access: solITOC superuser

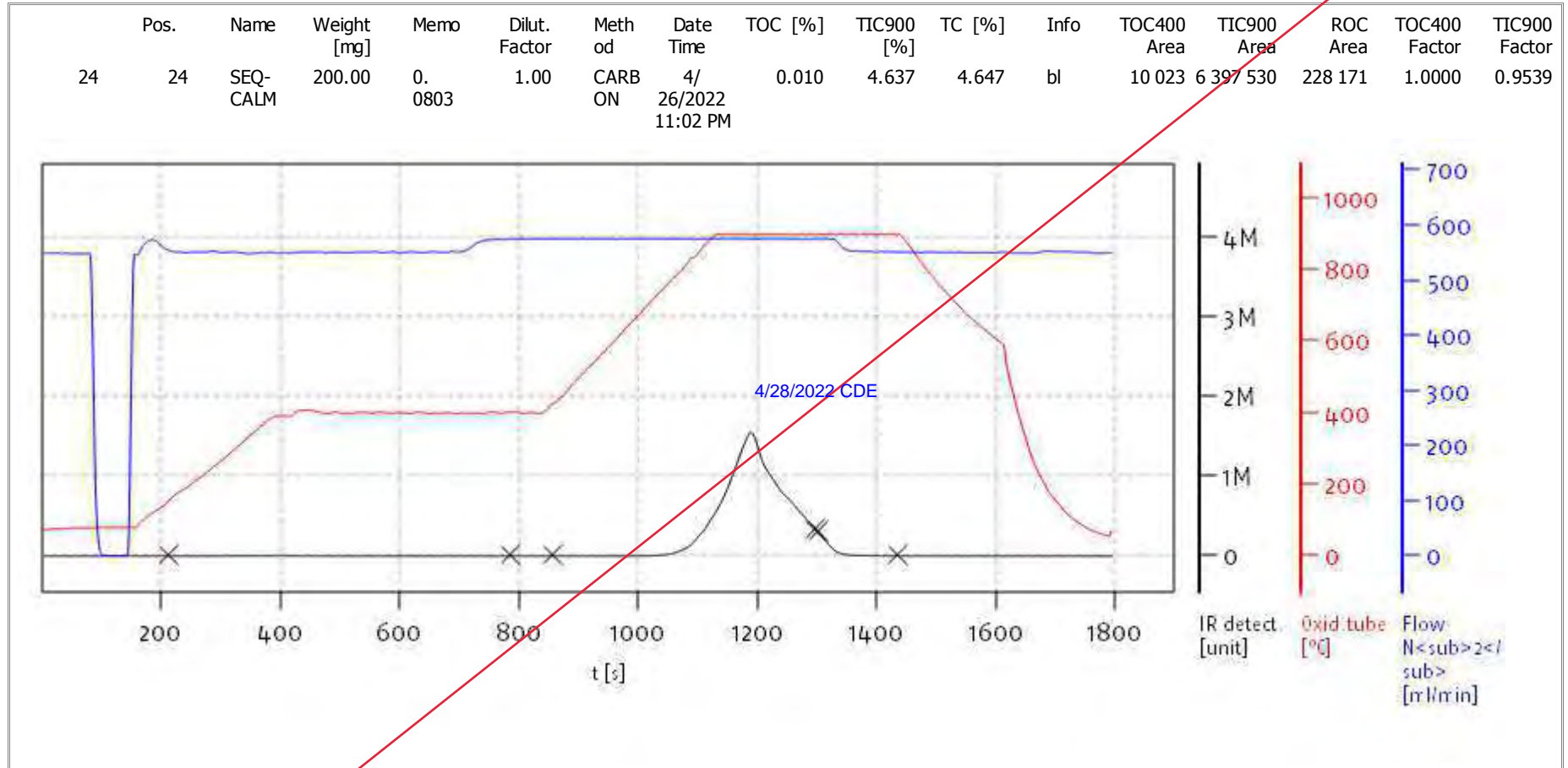
Date: Wed Apr 27 11:07:12 2022



solITOC V2.0.2 (31015f9) 2018-11-19
Serial No: 0300.181017
Mode CCC



Soli TOC Cube, Carbon
Balance: BAL3
Analyst: DOE



Name:

Access: solITOC superuser

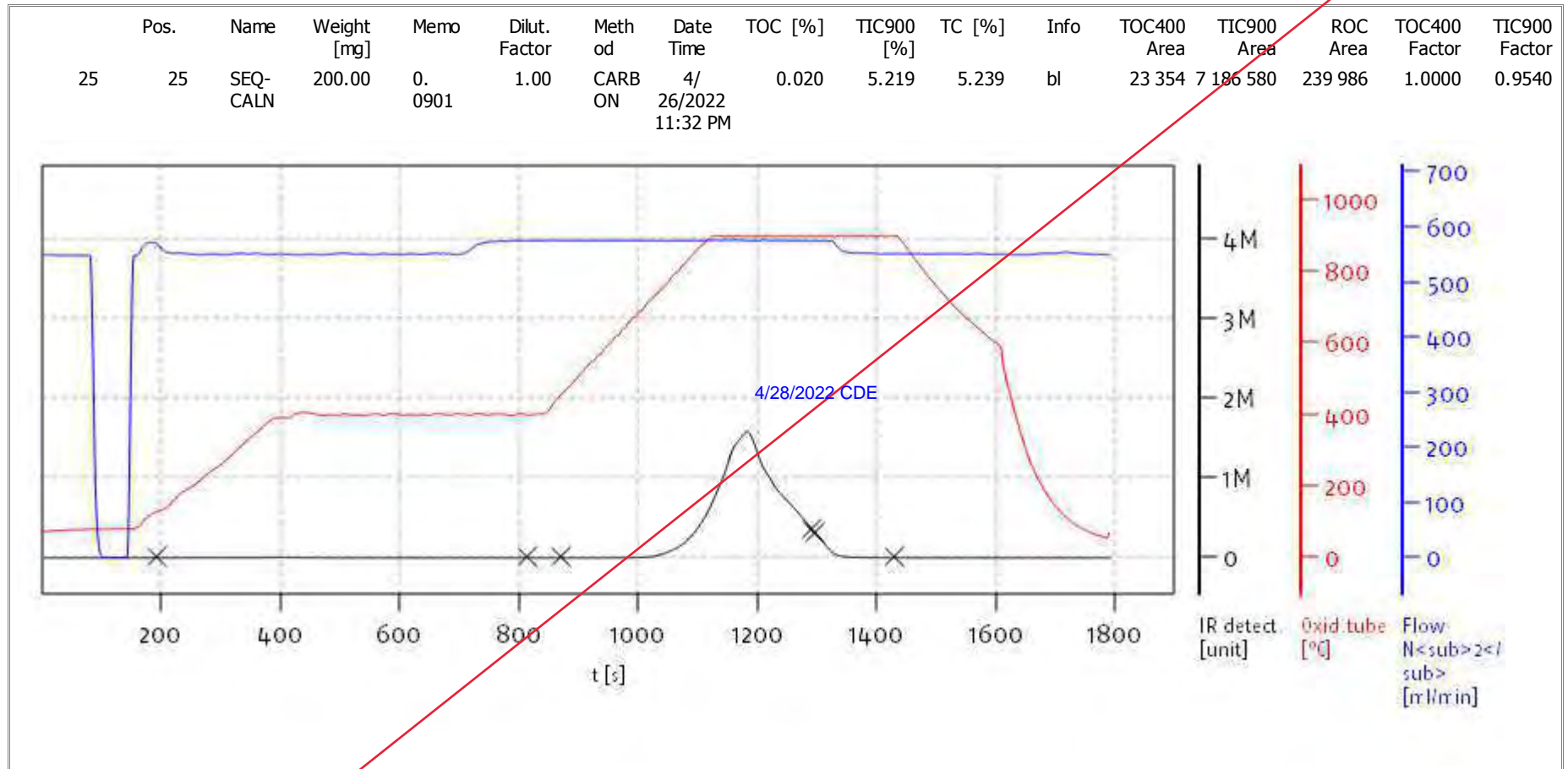
Date: Wed Apr 27 11:07:12 2022



solITOC V2.0.2 (31015f9) 2018-11-19
Serial No: 0300.181017
Mode CCC



Soli TOC Cube, Carbon
Balance: BAL3
Analyst: DOE



Name:

Access: solITOC superuser

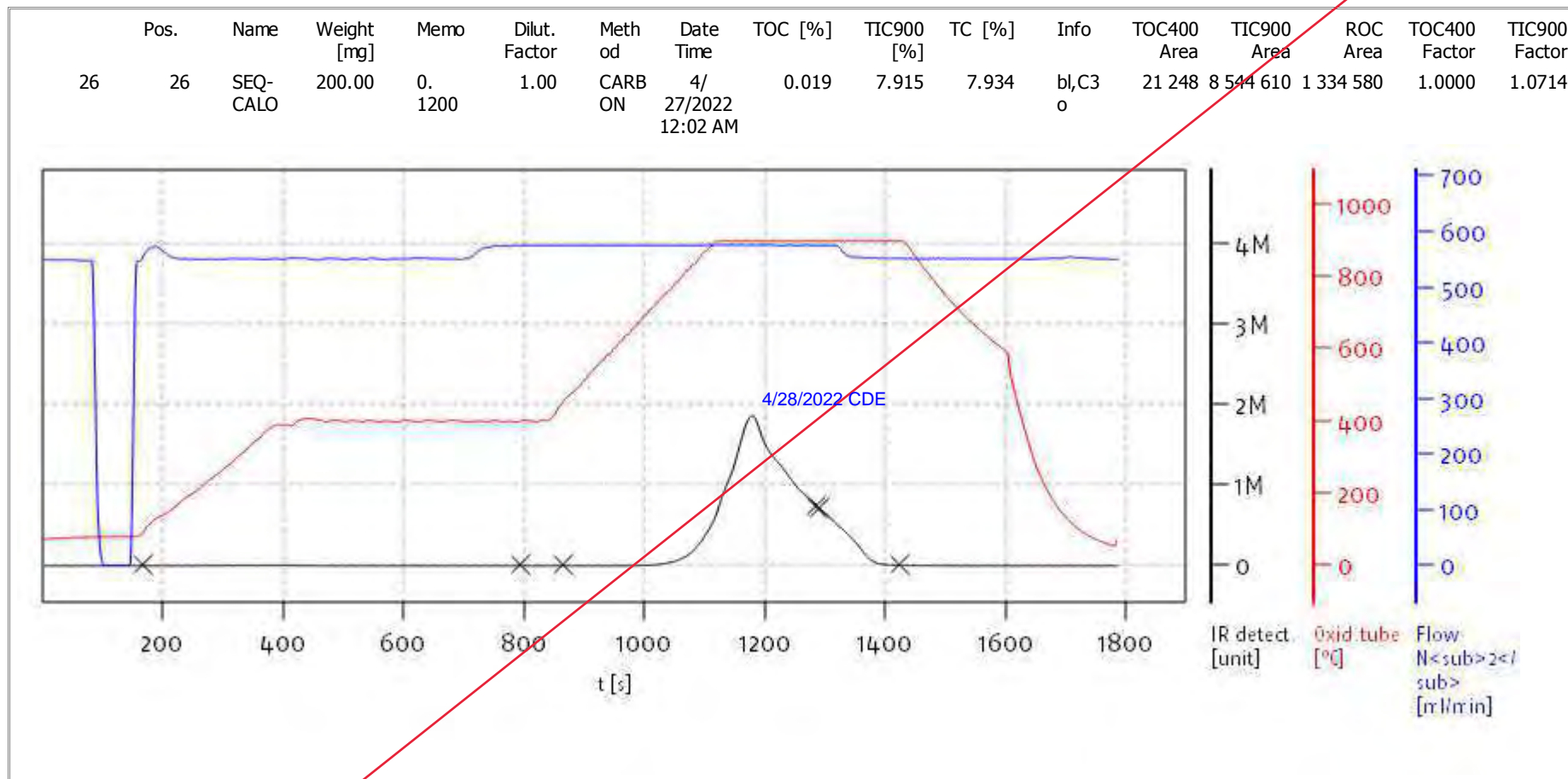
Date: Wed Apr 27 11:07:12 2022



solITOC V2.0.2 (31015f9) 2018-11-19
Serial No: 0300.181017
Mode CCC



Soli TOC Cube, Carbon
Balance: BAL3
Analyst: DOE



Name:

Access: solITOC superuser

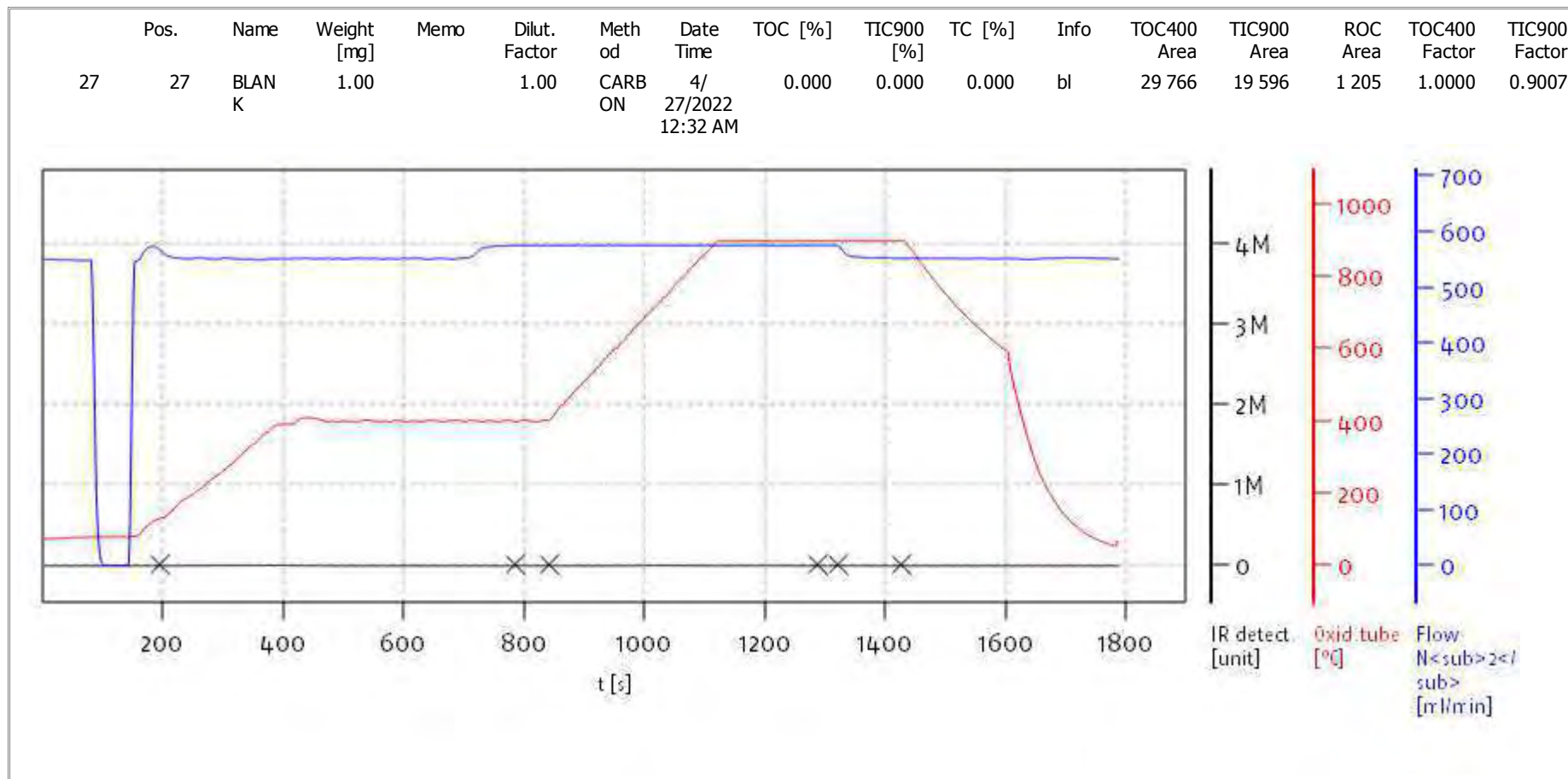
Date: Wed Apr 27 11:07:12 2022



solITOC V2.0.2 (31015f9) 2018-11-19
Serial No: 0300.181017
Mode CCC



Soli TOC Cube, Carbon
Balance: BAL3
Analyst: DOE



Name:

Access: solITOC superuser

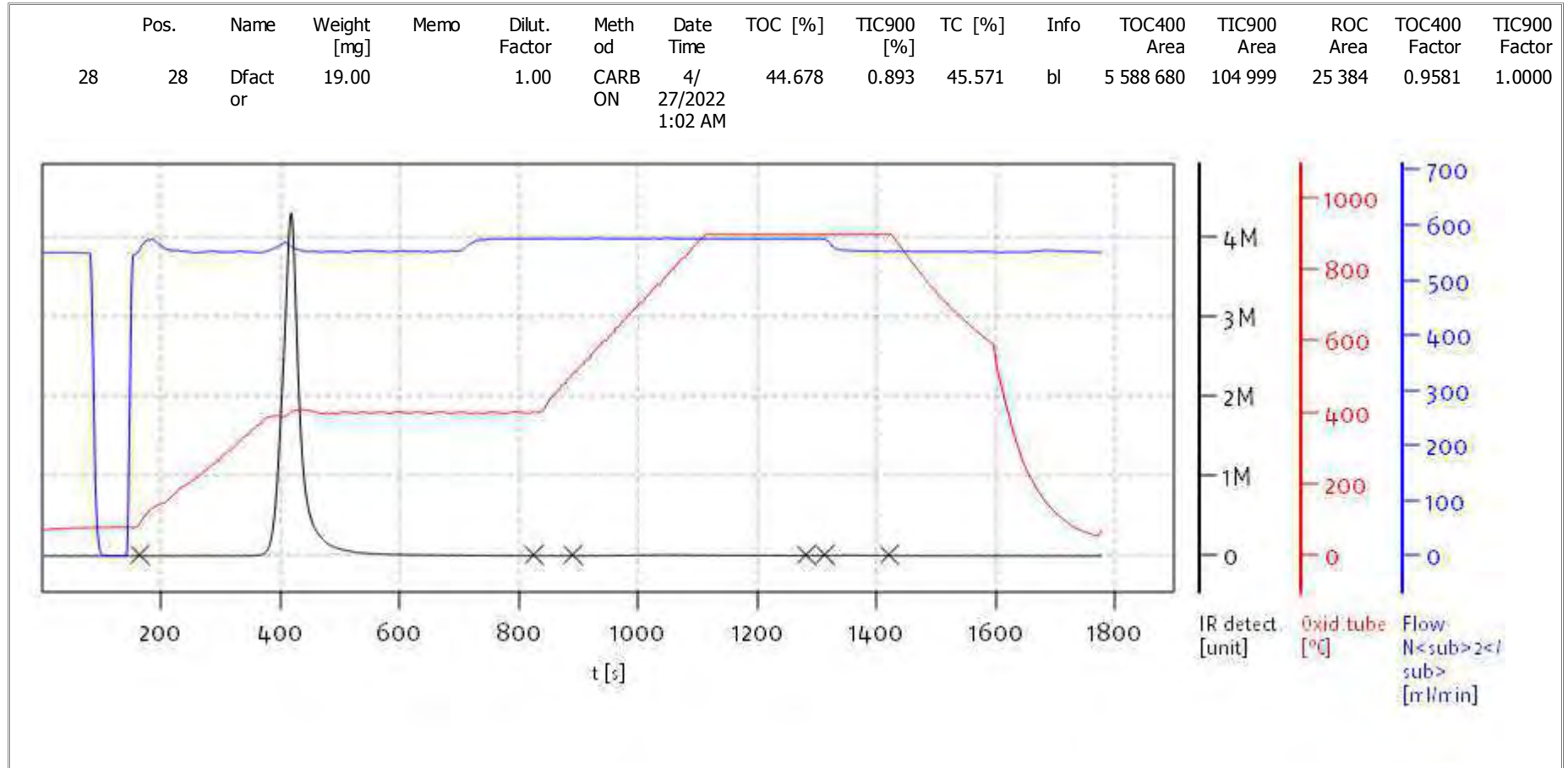
Date: Wed Apr 27 11:07:12 2022



solITOC V2.0.2 (31015f9) 2018-11-19
Serial No: 0300.181017
Mode CCC



Soli TOC Cube, Carbon
Balance: BAL3
Analyst: DOE



Name:

Access: solITOC superuser

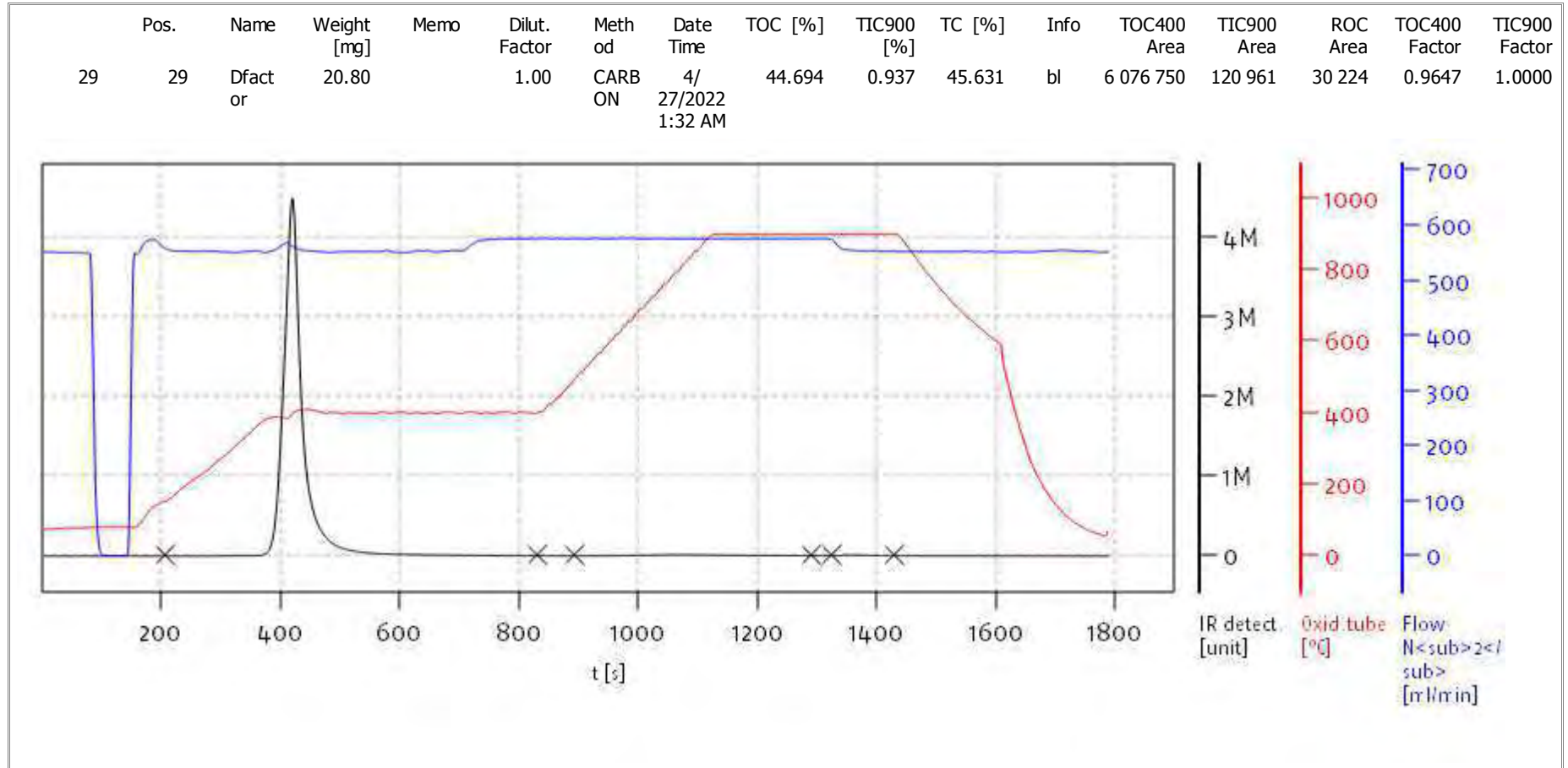
Date: Wed Apr 27 11:07:12 2022



solITOC V2.0.2 (31015f9) 2018-11-19
Serial No: 0300.181017
Mode CCC



Soli TOC Cube, Carbon
Balance: BAL3
Analyst: DOE



Name:

Access: solITOC superuser

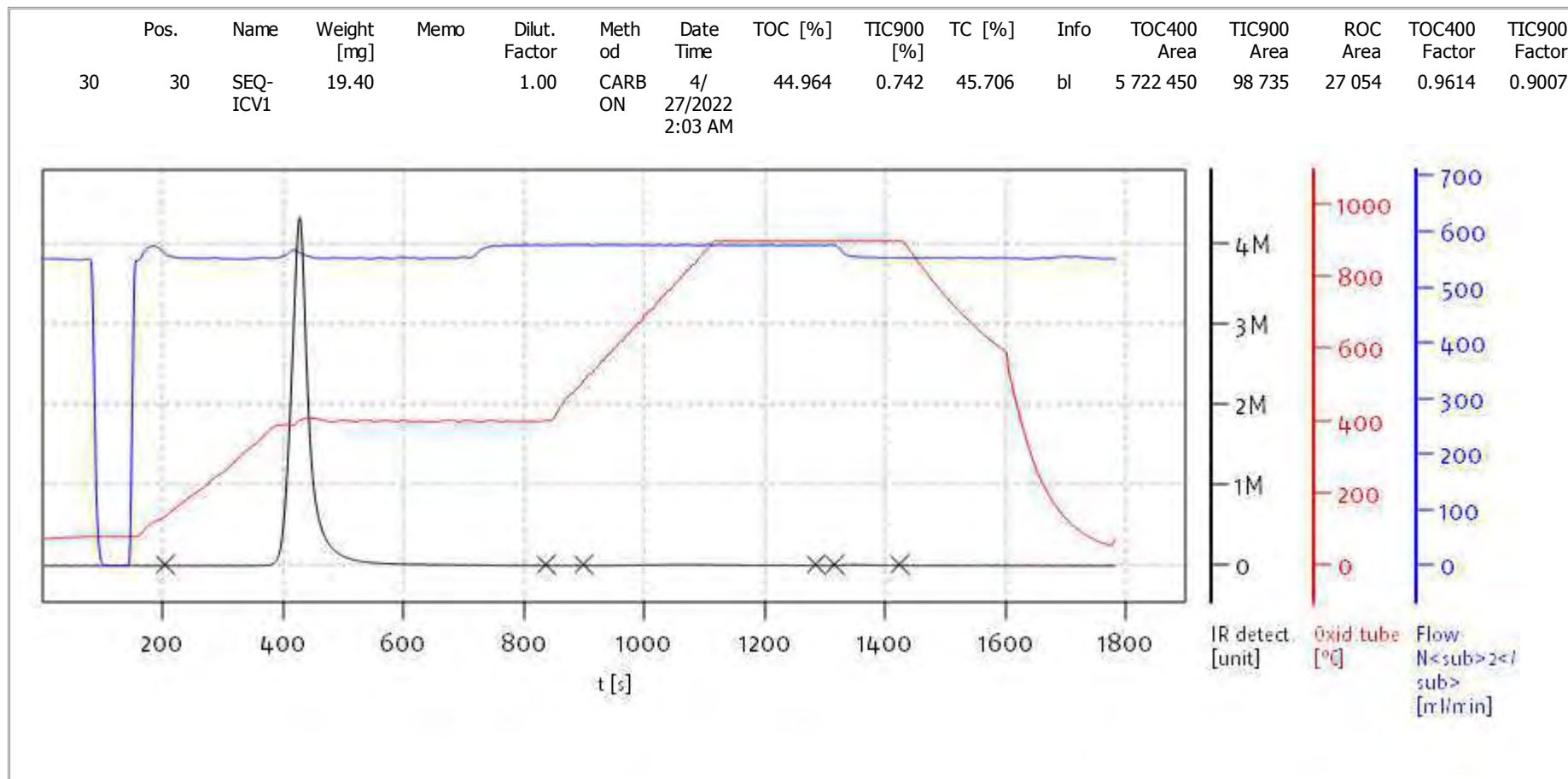
Date: Wed Apr 27 11:07:12 2022



solITOC V2.0.2 (31015f9) 2018-11-19
Serial No: 0300.181017
Mode CCC



Soli TOC Cube, Carbon
Balance: BAL3
Analyst: DOE



Name:

Access: solITOC superuser

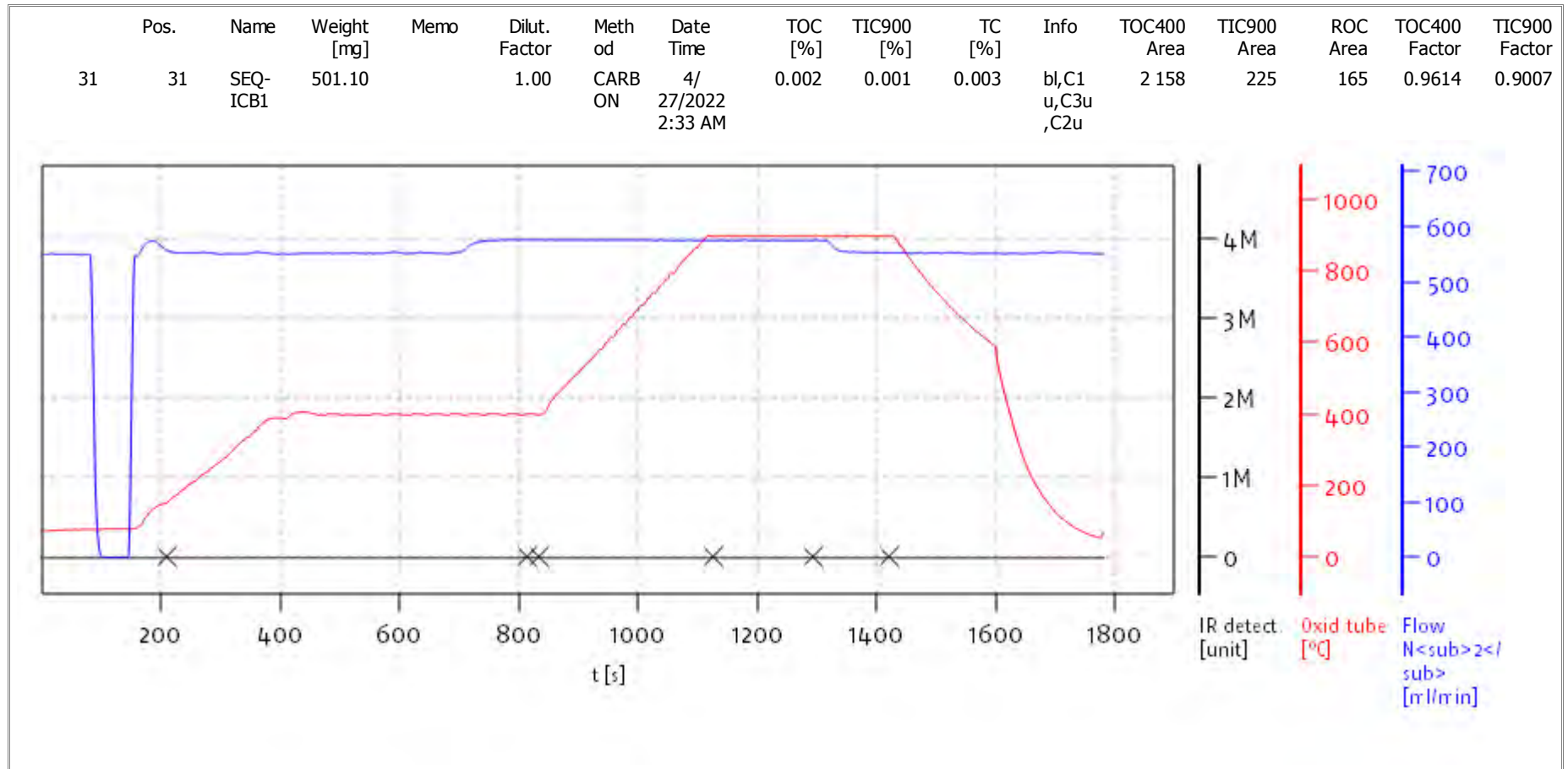
Date: Wed Apr 27 11:07:12 2022



solITOC V2.0.2 (31015f9) 2018-11-19
Serial No: 0300.181017
Mode CCC



Soli TOC Cube, Carbon
Balance: BAL3
Analyst: DOE



Name:

Access: solITOC superuser

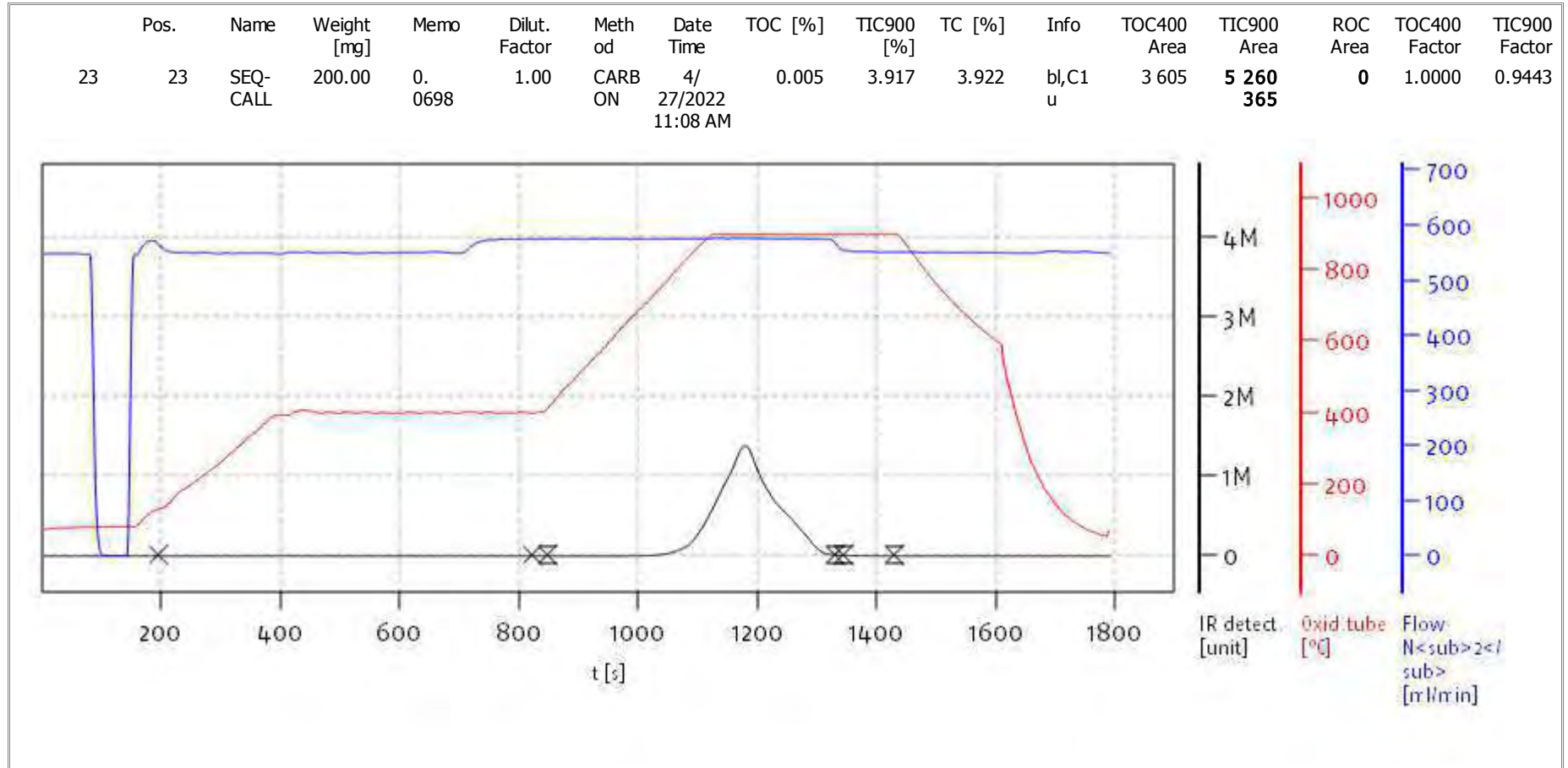
Date: Wed Apr 27 11:07:12 2022



solITOC V2.0.2 (31015f9) 2018-11-19
Serial No: 0300.181017
Mode CCC



Soli TOC Cube, Carbon
Balance: BAL3
Analyst: DOE



Name:

Access: solITOC superuser

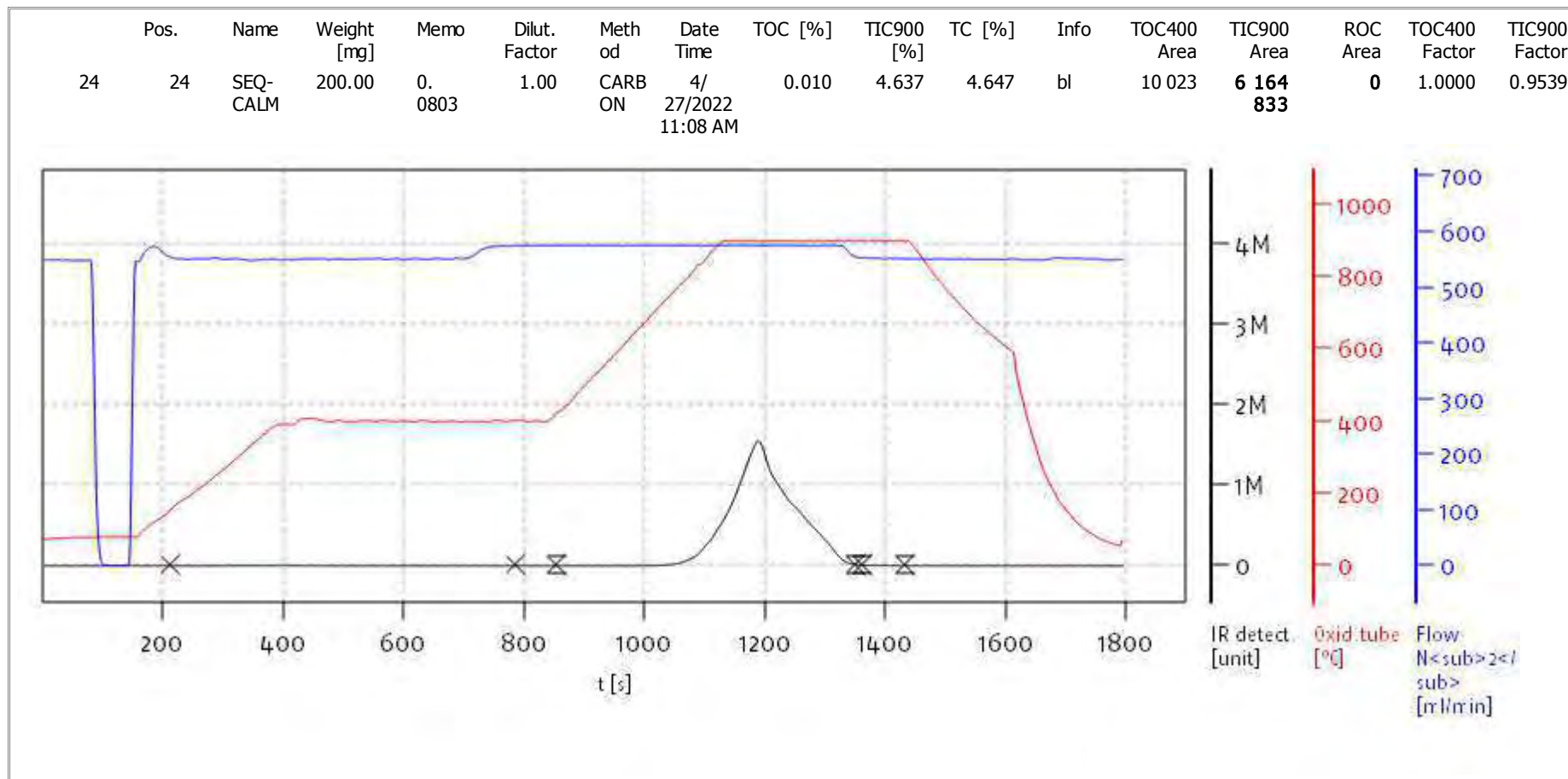
Date: Wed Apr 27 11:10:16 2022



solITOC V2.0.2 (31015f9) 2018-11-19
Serial No: 0300.18107
Mode CCC



Soli TOC Cube, Carbon
Balance: BAL3
Analyst: DOE



Name:

Access: solITOC superuser

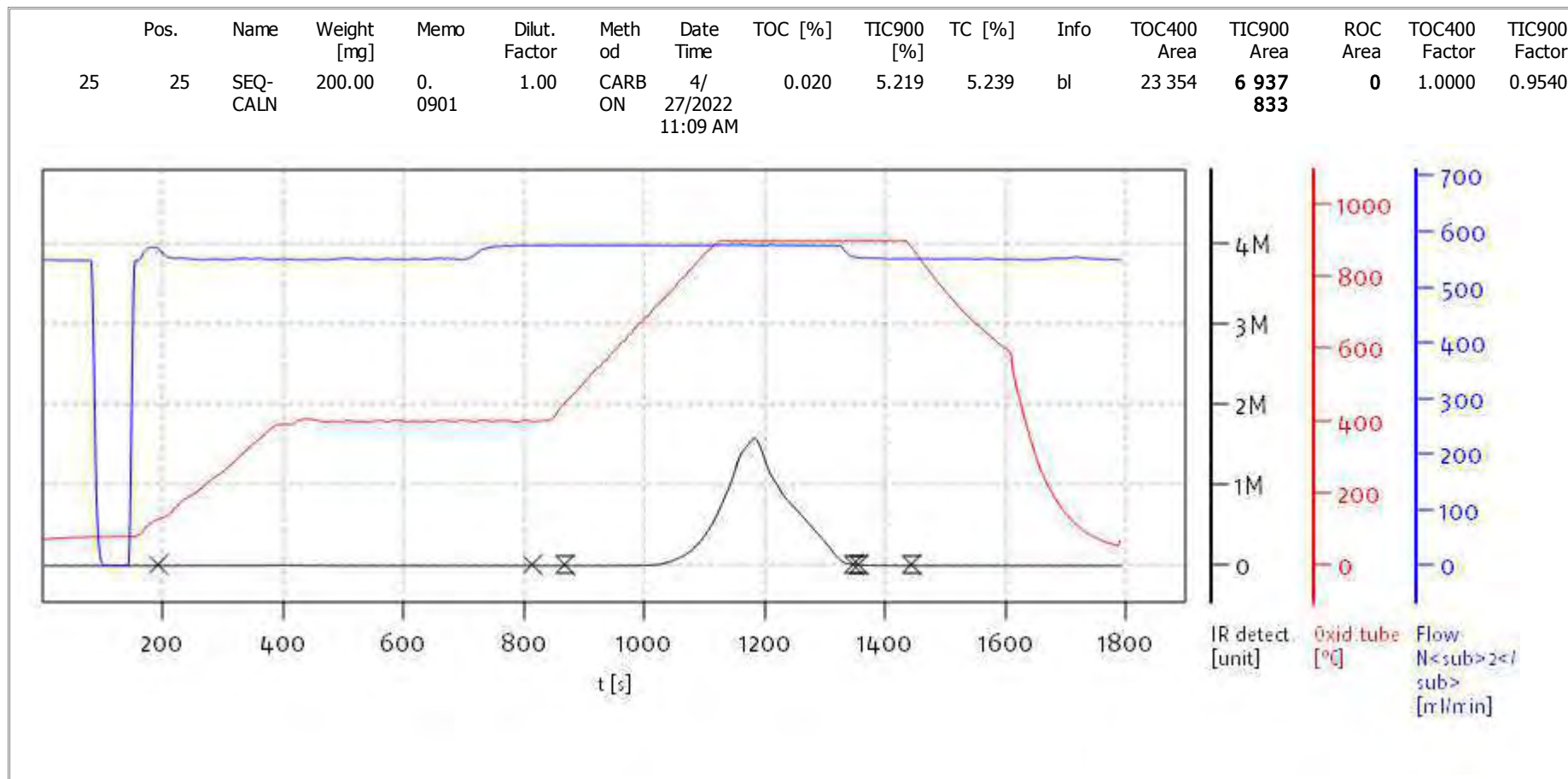
Date: Wed Apr 27 11:10:16 2022



solITOC V2.0.2 (31015f9) 2018-11-19
Serial No: 0300.18107
Mode CCC



Soli TOC Cube, Carbon
Balance: BAL3
Analyst: DOE



Name:

Access: solITOC superuser

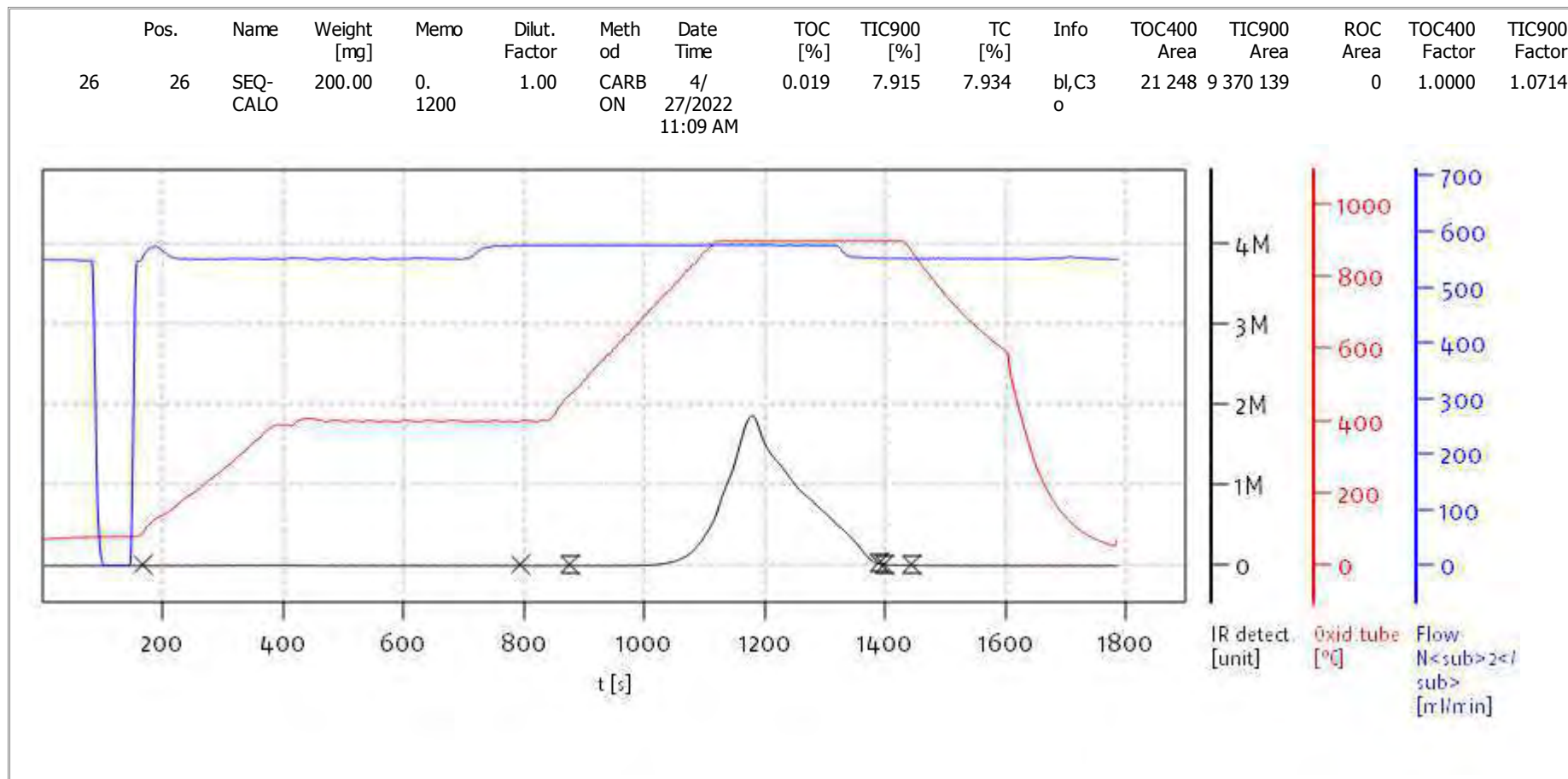
Date: Wed Apr 27 11:10:16 2022



solITOC V2.0.2 (31015f9) 2018-11-19
Serial No: 0300.181017
Mode CCC



Soli TOC Cube, Carbon
Balance: BAL3
Analyst: DOE



Name:

Access: solITOC superuser

Date: Wed Apr 27 11:10:16 2022

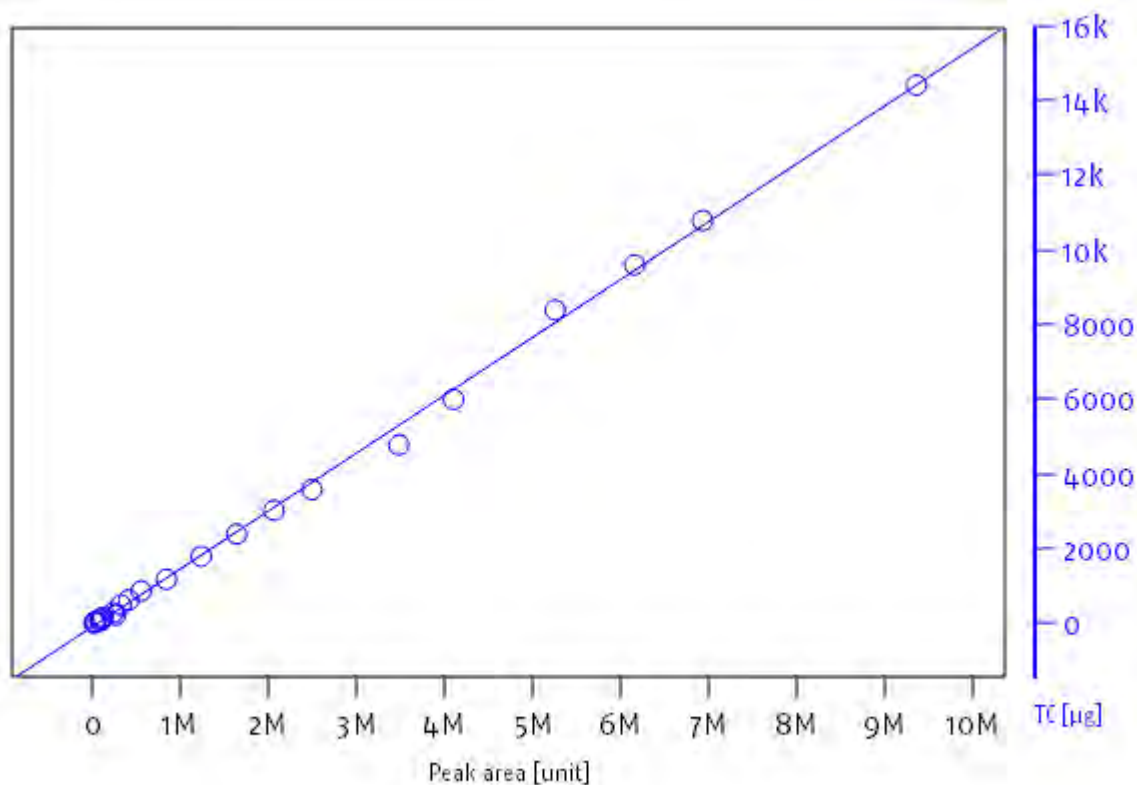


solITOC V2.0.2 (31015f9) 2018-11-19
Serial No: 0300.181017
Mode CCC

Calibration parameters TC, Whole range

a	-4.107546e-02
b	+1.548032e-06
c	+0.000000e+00
d	+0.000000e+00
e	+0.000000e+00
r	0.998372
r_old	0.998372
Proc.-SD	166.070255 µg

Calibration graph TC, Whole range



Name:

Access: solITOC superuser

Date: Wed Apr 27 11:19:56 2022



solITOC V2.0.2 (31015f9) 2018-11-19

Serial No: 0300.181017

Mode CCC



Analytical Resources, LLC
Analytical Chemists and Consultants

INSTRUMENT BLANKS
EPA 9060A m

Laboratory: Analytical Resources, LLC

SDG: 22G0019

Client: GeoEngineers

Project: RG Haley Site-Bellingham

Instrument ID: TOC Cube

Calibration: FD00070

Sequence: SKD0371

Date Analyzed: 04/27/22 02:33

Lab Sample ID	Analyte	Found	MDL	MRL	Units	C
SKD0371-ICB1	Total Organic Carbon	0.00	0.02	0.02	%	



Analytical Resources, LLC
Analytical Chemists and Consultants

INSTRUMENT BLANKS
EPA 9060A m

Laboratory: Analytical Resources, LLC

SDG: 22G0019

Client: GeoEngineers

Project: RG Haley Site-Bellingham

Instrument ID: TOC Cube

Calibration: FD00070

Sequence: SKG0074

Date Analyzed: 07/08/22 17:24

Lab Sample ID	Analyte	Found	MDL	MRL	Units	C
SKG0074-ICB1	Total Organic Carbon	0.00	0.02	0.02	%	
SKG0074-CCB1	Total Organic Carbon	0.006	0.02	0.02	%	
SKG0074-CCB2	Total Organic Carbon	0.00	0.02	0.02	%	
SKG0074-CCB3	Total Organic Carbon	0.00	0.02	0.02	%	
SKG0074-CCB4	Total Organic Carbon	0.00	0.02	0.02	%	
SKG0074-CCB5	Total Organic Carbon	0.00	0.02	0.02	%	



Analytical Resources, LLC
Analytical Chemists and Consultants

INSTRUMENT BLANKS
EPA 9060A m

Laboratory: Analytical Resources, LLC

SDG: 22G0019

Client: GeoEngineers

Project: RG Haley Site-Bellingham

Instrument ID: TOC Cube

Calibration: FD00070

Sequence: SKG0088

Date Analyzed: 07/12/22 10:36

Lab Sample ID	Analyte	Found	MDL	MRL	Units	C
SKG0088-ICB1	Total Organic Carbon	0.00	0.02	0.02	%	
SKG0088-CCB1	Total Organic Carbon	0.00	0.02	0.02	%	
SKG0088-CCB2	Total Organic Carbon	0.00	0.02	0.02	%	
SKG0088-CCB3	Total Organic Carbon	0.00	0.02	0.02	%	
SKG0088-CCB4	Total Organic Carbon	0.00	0.02	0.02	%	
SKG0088-CCB5	Total Organic Carbon	0.00	0.02	0.02	%	
SKG0088-CCB6	Total Organic Carbon	0.00	0.02	0.02	%	
SKG0088-CCB7	Total Organic Carbon	0.00	0.02	0.02	%	
SKG0088-CCB8	Total Organic Carbon	0.00	0.02	0.02	%	
SKG0088-CCB9	Total Organic Carbon	0.00	0.02	0.02	%	



**INITIAL AND CONTINUING
CALIBRATION CHECK**
EPA 9060A m

Laboratory: Analytical Resources, LLC

SDG: 22G0019

Client: GeoEngineers

Project: RG Haley Site-Bellingham

Instrument ID: TOC Cube

Calibration: FD00070

Control Limit: +/- 10.00%

Sequence: SKD0371

Lab Sample ID	Analyte	True	Found	%R	Units	Method
SKD0371-ICV1	Total Organic Carbon	44.446	43.7	98.3	%	EPA 9060A m
	Total Carbon	44.446	44.1	99.2	%	EPA 9060A m
	Total Inorganic Carbon	0.0000	0.40		%	EPA 9060A m
	% Soot	0.0000	0.004		%	EPA 9060A m

* Values outside of QC limits



**INITIAL AND CONTINUING
CALIBRATION CHECK**
EPA 9060A m

Laboratory: Analytical Resources, LLC

SDG: 22G0019

Client: GeoEngineers

Project: RG Haley Site-Bellingham

Instrument ID: TOC Cube

Calibration: FD00070

Control Limit: +/- 10.00%

Sequence: SKG0074

Lab Sample ID	Analyte	True	Found	%R	Units	Method
SKG0074-ICV1	Total Organic Carbon	44.446	43.4	97.7	%	EPA 9060A m
SKG0074-CCV1	Total Organic Carbon	44.446	44.1	99.1	%	EPA 9060A m
SKG0074-CCV2	Total Organic Carbon	44.446	44.1	99.2	%	EPA 9060A m
SKG0074-CCV3	Total Organic Carbon	44.446	44.2	99.4	%	EPA 9060A m
SKG0074-CCV4	Total Organic Carbon	44.446	45.0	101	%	EPA 9060A m
SKG0074-CCV5	Total Organic Carbon	44.446	45.4	102	%	EPA 9060A m

* Values outside of QC limits



**INITIAL AND CONTINUING
CALIBRATION CHECK**
EPA 9060A m

Laboratory: Analytical Resources, LLC

SDG: 22G0019

Client: GeoEngineers

Project: RG Haley Site-Bellingham

Instrument ID: TOC Cube

Calibration: FD00070

Control Limit: +/- 10.00%

Sequence: SKG0088

Lab Sample ID	Analyte	True	Found	%R	Units	Method
SKG0088-ICV1	Total Organic Carbon	44.446	45.1	101	%	EPA 9060A m
SKG0088-CCV1	Total Organic Carbon	44.446	45.3	102	%	EPA 9060A m
SKG0088-CCV2	Total Organic Carbon	44.446	44.6	100	%	EPA 9060A m
SKG0088-CCV3	Total Organic Carbon	44.446	44.4	99.8	%	EPA 9060A m
SKG0088-CCV4	Total Organic Carbon	44.446	44.5	100	%	EPA 9060A m
SKG0088-CCV5	Total Organic Carbon	44.446	45.6	103	%	EPA 9060A m
SKG0088-CCV6	Total Organic Carbon	44.446	44.4	99.8	%	EPA 9060A m
SKG0088-CCV7	Total Organic Carbon	44.446	44.1	99.3	%	EPA 9060A m
SKG0088-CCV8	Total Organic Carbon	44.446	44.8	101	%	EPA 9060A m
SKG0088-CCV9	Total Organic Carbon	44.446	46.5	105	%	EPA 9060A m

* Values outside of QC limits



HOLDING TIME SUMMARY

Analysis: EPA 9060A m

Laboratory: Analytical Resources, LLC

SDG: 22G0019

Client: GeoEngineers

Project: RG Haley Site-Bellingham

Sample Name	Date Collected	Date Received	Date Prepared	Days to Prep	Max Days to Prep	Date Analyzed	Days to Analysis	Max Days to Analysis	Q
Z1A-1-SC_5.5-7.5 22G0019-01RE1	06/27/22 13:20	06/30/22 10:55	07/08/22 08:45	10	14	07/12/22 11:07			
Z1A-1-SC_7.5-9.5 22G0019-02RE1	06/27/22 13:25	06/30/22 10:55	07/08/22 08:45	10	14	07/12/22 13:07			
Z1A-2-SC_3.5-5.5 22G0019-03RE1	06/27/22 12:30	06/30/22 10:55	07/08/22 08:45	10	14	07/12/22 13:38			
Z1A-4-SC_3.5-5.5 22G0019-04RE1	06/28/22 10:40	06/30/22 10:55	07/08/22 08:45	9	14	07/12/22 14:08			
Z1A-4-SC_6.5-8.5 22G0019-05	06/28/22 10:45	06/30/22 10:55	07/08/22 08:45	9	14	07/08/22 23:55			
Z1A-5-SC_2.5-4.5 22G0019-06RE1	06/28/22 11:40	06/30/22 10:55	07/08/22 08:45	9	14	07/12/22 14:38			
Z1A-7-SC_2.5-4.5 22G0019-07	06/28/22 12:10	06/30/22 10:55	07/08/22 08:45	9	14	07/09/22 00:55			
Z1A-7-SC_4.5-6.5 22G0019-08RE1	06/28/22 12:15	06/30/22 10:55	07/08/22 08:45	9	14	07/12/22 15:08			
Z1A-10-SC_3.5-5.5 22G0019-09RE1	06/29/22 11:35	06/30/22 10:55	07/08/22 08:45	8	14	07/12/22 15:38			
Z1A-10-SC_6.5-8.5 22G0019-10RE1	06/29/22 11:40	06/30/22 10:55	07/08/22 08:45	8	14	07/12/22 17:09			
Z1A-11-SC_4.0-6.0 22G0019-11RE1	06/29/22 12:00	06/30/22 10:55	07/08/22 08:45	8	14	07/12/22 17:39			
OCM-1-CAP 22G0019-12RE1	06/29/22 12:20	06/30/22 10:55	07/08/22 08:45	8	14	07/12/22 18:10			
OCM-1-MS 22G0019-13RE1	06/29/22 12:25	06/30/22 10:55	07/08/22 08:45	8	14	07/12/22 18:40			
OCM-2-CAP 22G0019-14RE1	06/29/22 12:35	06/30/22 10:55	07/08/22 08:45	8	14	07/12/22 19:10			
OCM-2-MS 22G0019-15	06/29/22 12:40	06/30/22 10:55	07/08/22 08:45	8	14	07/09/22 05:57			
Duplicate BKG0136-DUP2	06/27/22 13:20	06/30/22 10:55	07/08/22 08:45	10	14	07/12/22 11:37			
Matrix Spike BKG0136-MS2	06/27/22 13:20	06/30/22 10:55	07/08/22 08:45	10	14	07/12/22 12:07			
Matrix Spike Dup BKG0136-MSD2	06/27/22 13:20	06/30/22 10:55	07/08/22 08:45	10	14	07/12/22 12:37			

* Indicates hold time exceedance.



Analytical Resources, LLC
Analytical Chemists and Consultants

METHOD DETECTION AND REPORTING LIMITS

EPA 9060A m

Laboratory: Analytical Resources, LLC

SDG: 22G0019

Client: GeoEngineers

Project: RG Haley Site-Bellingham

Matrix: Solid

Instrument: TOC Cube

Analyte	MDL	RL	Units
Total Organic Carbon	0.02	0.02	%



Form I
INORGANIC ANALYSIS DATA SHEET
SM 2540 G-97

Z1A-1-SC_5.5-7.5

Laboratory: Analytical Resources, LLC

Client: GeoEngineers

Project: RG Haley Site-Bellingham

Matrix: Solid Laboratory ID: 22G0019-01 C SDG: 22G0019

Sampled: 06/27/22 13:20 Prepared: 07/08/22 11:26 File ID:

% Solids: 23.77 Preparation: No Prep Wet Chem Analyzed: 07/08/22 11:28

Batch: BKG0150 Sequence: Initial/Final: 5 g Wet / 5 g

Instrument: BAL2 Calibration:

CAS NO.	Analyte	Concentration (%)	Dilution Factor	MDL	MRL	Q
	Total Solids	23.77	1	0.04	0.04	



Form I
INORGANIC ANALYSIS DATA SHEET
SM 2540 G-97

Z1A-1-SC_7.5-9.5

Laboratory: Analytical Resources, LLC

Client: GeoEngineers

Project: RG Haley Site-Bellingham

Matrix: Solid Laboratory ID: 22G0019-02 C SDG: 22G0019

Sampled: 06/27/22 13:25 Prepared: 07/08/22 11:26 File ID:

% Solids: 24.38 Preparation: No Prep Wet Chem Analyzed: 07/08/22 11:28

Batch: BKG0150 Sequence: Initial/Final: 5 g Wet / 5 g

Instrument: BAL2 Calibration:

CAS NO.	Analyte	Concentration (%)	Dilution Factor	MDL	MRL	Q
	Total Solids	24.38	1	0.04	0.04	



Form I
INORGANIC ANALYSIS DATA SHEET
SM 2540 G-97

Z1A-2-SC_3.5-5.5

Laboratory: Analytical Resources, LLC
Client: GeoEngineers
Project: RG Haley Site-Bellingham
Matrix: Solid Laboratory ID: 22G0019-03 C SDG: 22G0019
Sampled: 06/27/22 12:30 Prepared: 07/08/22 11:26 File ID:
% Solids: 25.96 Preparation: No Prep Wet Chem Analyzed: 07/08/22 11:28
Batch: BKG0150 Sequence: Initial/Final: 5 g Wet / 5 g
Instrument: BAL2 Calibration:

CAS NO.	Analyte	Concentration (%)	Dilution Factor	MDL	MRL	Q
	Total Solids	25.96	1	0.04	0.04	



Form I
INORGANIC ANALYSIS DATA SHEET
SM 2540 G-97

Z1A-4-SC_3.5-5.5

Laboratory: Analytical Resources, LLC

Client: GeoEngineers

Project: RG Haley Site-Bellingham

Matrix: Solid Laboratory ID: 22G0019-04 C SDG: 22G0019

Sampled: 06/28/22 10:40 Prepared: 07/08/22 11:26 File ID:

% Solids: 34.85 Preparation: No Prep Wet Chem Analyzed: 07/08/22 11:28

Batch: BKG0150 Sequence: Initial/Final: 5 g Wet / 5 g

Instrument: BAL2 Calibration:

CAS NO.	Analyte	Concentration (%)	Dilution Factor	MDL	MRL	Q
	Total Solids	34.85	1	0.04	0.04	



Form I
INORGANIC ANALYSIS DATA SHEET
SM 2540 G-97

Z1A-4-SC_6.5-8.5

Laboratory: Analytical Resources, LLC

Client: GeoEngineers

Project: RG Haley Site-Bellingham

Matrix: Solid Laboratory ID: 22G0019-05 C SDG: 22G0019

Sampled: 06/28/22 10:45 Prepared: 07/08/22 11:26 File ID:

% Solids: 39.86 Preparation: No Prep Wet Chem Analyzed: 07/08/22 11:28

Batch: BKG0150 Sequence: Initial/Final: 5 g Wet / 5 g

Instrument: BAL2 Calibration:

CAS NO.	Analyte	Concentration (%)	Dilution Factor	MDL	MRL	Q
	Total Solids	39.86	1	0.04	0.04	



Form I
INORGANIC ANALYSIS DATA SHEET
SM 2540 G-97

Z1A-5-SC_2.5-4.5

Laboratory: Analytical Resources, LLC

Client: GeoEngineers

Project: RG Haley Site-Bellingham

Matrix: Solid Laboratory ID: 22G0019-06 C SDG: 22G0019

Sampled: 06/28/22 11:40 Prepared: 07/08/22 11:26 File ID:

% Solids: 23.57 Preparation: No Prep Wet Chem Analyzed: 07/08/22 11:28

Batch: BKG0150 Sequence: Initial/Final: 5 g Wet / 5 g

Instrument: BAL2 Calibration:

CAS NO.	Analyte	Concentration (%)	Dilution Factor	MDL	MRL	Q
	Total Solids	23.57	1	0.04	0.04	



Form I
INORGANIC ANALYSIS DATA SHEET
SM 2540 G-97

Z1A-7-SC_2.5-4.5

Laboratory: Analytical Resources, LLC

Client: GeoEngineers

Project: RG Haley Site-Bellingham

Matrix: Solid Laboratory ID: 22G0019-07 C SDG: 22G0019

Sampled: 06/28/22 12:10 Prepared: 07/08/22 11:26 File ID:

% Solids: 61.72 Preparation: No Prep Wet Chem Analyzed: 07/08/22 11:28

Batch: BKG0150 Sequence:

Instrument: BAL2 Calibration:

CAS NO.	Analyte	Concentration (%)	Dilution Factor	MDL	MRL	Q
	Total Solids	61.72	1	0.04	0.04	



Form I
INORGANIC ANALYSIS DATA SHEET
SM 2540 G-97

Z1A-7-SC_4.5-6.5

Laboratory: Analytical Resources, LLC

Client: GeoEngineers

Project: RG Haley Site-Bellingham

Matrix: Solid Laboratory ID: 22G0019-08 C SDG: 22G0019

Sampled: 06/28/22 12:15 Prepared: 07/08/22 11:26 File ID:

% Solids: 63.12 Preparation: No Prep Wet Chem Analyzed: 07/08/22 11:28

Batch: BKG0150 Sequence: Initial/Final: 5 g Wet / 5 g

Instrument: BAL2 Calibration:

CAS NO.	Analyte	Concentration (%)	Dilution Factor	MDL	MRL	Q
	Total Solids	63.12	1	0.04	0.04	



Form I
INORGANIC ANALYSIS DATA SHEET
SM 2540 G-97

Z1A-10-SC_3.5-5.5

Laboratory: Analytical Resources, LLC

Client: GeoEngineers

Project: RG Haley Site-Bellingham

Matrix: Solid Laboratory ID: 22G0019-09 C SDG: 22G0019

Sampled: 06/29/22 11:35 Prepared: 07/08/22 11:26 File ID:

% Solids: 77.01 Preparation: No Prep Wet Chem Analyzed: 07/08/22 11:28

Batch: BKG0150 Sequence:

Instrument: BAL2 Calibration: 5 g Wet / 5 g

CAS NO.	Analyte	Concentration (%)	Dilution Factor	MDL	MRL	Q
	Total Solids	77.01	1	0.04	0.04	



Form I
INORGANIC ANALYSIS DATA SHEET
SM 2540 G-97

Z1A-10-SC_6.5-8.5

Laboratory: Analytical Resources, LLC
 Client: GeoEngineers
 Project: RG Haley Site-Bellingham
 Matrix: Solid Laboratory ID: 22G0019-10 C SDG: 22G0019
 Sampled: 06/29/22 11:40 Prepared: 07/08/22 11:26 File ID:
 % Solids: 69.89 Preparation: No Prep Wet Chem Analyzed: 07/08/22 11:28
 Batch: BKG0150 Sequence:
 Instrument: BAL2 Calibration:

CAS NO.	Analyte	Concentration (%)	Dilution Factor	MDL	MRL	Q
	Total Solids	69.89	1	0.04	0.04	



Form I
INORGANIC ANALYSIS DATA SHEET
SM 2540 G-97

Z1A-11-SC_4.0-6.0

Laboratory: Analytical Resources, LLC

Client: GeoEngineers

Project: RG Haley Site-Bellingham

Matrix: Solid Laboratory ID: 22G0019-11 C SDG: 22G0019

Sampled: 06/29/22 12:00 Prepared: 07/08/22 11:26 File ID:

% Solids: 70.44 Preparation: No Prep Wet Chem Analyzed: 07/08/22 11:28

Batch: BKG0150 Sequence: Initial/Final: 5 g Wet / 5 g

Instrument: BAL2 Calibration:

CAS NO.	Analyte	Concentration (%)	Dilution Factor	MDL	MRL	Q
	Total Solids	70.44	1	0.04	0.04	



Form I
INORGANIC ANALYSIS DATA SHEET
SM 2540 G-97

OCM-1-CAP

Laboratory: Analytical Resources, LLC

Client: GeoEngineers

Project: RG Haley Site-Bellingham

Matrix: Solid Laboratory ID: 22G0019-12 C SDG: 22G0019

Sampled: 06/29/22 12:20 Prepared: 07/08/22 11:26 File ID:

% Solids: 76.52 Preparation: No Prep Wet Chem Analyzed: 07/08/22 11:28

Batch: BKG0150 Sequence: Initial/Final: 5 g Wet / 5 g

Instrument: BAL2 Calibration:

CAS NO.	Analyte	Concentration (%)	Dilution Factor	MDL	MRL	Q
	Total Solids	76.52	1	0.04	0.04	



Form I
INORGANIC ANALYSIS DATA SHEET
SM 2540 G-97

OCM-1-MS

Laboratory: Analytical Resources, LLC

Client: GeoEngineers

Project: RG Haley Site-Bellingham

Matrix: Solid Laboratory ID: 22G0019-13 C SDG: 22G0019

Sampled: 06/29/22 12:25 Prepared: 07/08/22 11:26 File ID:

% Solids: 70.89 Preparation: No Prep Wet Chem Analyzed: 07/08/22 11:28

Batch: BKG0150 Sequence:

Instrument: BAL2 Calibration: 5 g Wet / 5 g

CAS NO.	Analyte	Concentration (%)	Dilution Factor	MDL	MRL	Q
	Total Solids	70.89	1	0.04	0.04	



Form I
INORGANIC ANALYSIS DATA SHEET
SM 2540 G-97

OCM-2-CAP

Laboratory: Analytical Resources, LLC

Client: GeoEngineers

Project: RG Haley Site-Bellingham

Matrix: Solid Laboratory ID: 22G0019-14 C SDG: 22G0019

Sampled: 06/29/22 12:35 Prepared: 07/08/22 11:26 File ID:

% Solids: 79.10 Preparation: No Prep Wet Chem Analyzed: 07/08/22 11:28

Batch: BKG0150 Sequence:

Instrument: BAL2 Calibration: 5 g Wet / 5 g

CAS NO.	Analyte	Concentration (%)	Dilution Factor	MDL	MRL	Q
	Total Solids	79.10	1	0.04	0.04	



Form I
INORGANIC ANALYSIS DATA SHEET
SM 2540 G-97

OCM-2-MS

Laboratory: Analytical Resources, LLC

Client: GeoEngineers

Project: RG Haley Site-Bellingham

Matrix: Solid Laboratory ID: 22G0019-15 C SDG: 22G0019

Sampled: 06/29/22 12:40 Prepared: 07/08/22 11:26 File ID:

% Solids: 47.39 Preparation: No Prep Wet Chem Analyzed: 07/08/22 11:28

Batch: BKG0150 Sequence:

Instrument: BAL2 Calibration: 5 g Wet / 5 g

CAS NO.	Analyte	Concentration (%)	Dilution Factor	MDL	MRL	Q
	Total Solids	47.39	1	0.04	0.04	



PREPARATION BATCH SUMMARY

SM 2540 G-97

Laboratory: Analytical Resources, LLC

SDG: 22G0019

Client: GeoEngineers

Project: RG Haley Site-Bellingham

Batch: BKG0150 Batch Matrix: Solid

Preparation: No Prep Wet Chem

SAMPLE NAME	LAB SAMPLE ID	LAB FILE ID	DATE PREPARED	OBSERVATIONS
Z1A-1-SC_5.5-7.5	22G0019-01		07/08/22 11:26	
Z1A-1-SC_7.5-9.5	22G0019-02		07/08/22 11:26	
Z1A-2-SC_3.5-5.5	22G0019-03		07/08/22 11:26	
Z1A-4-SC_3.5-5.5	22G0019-04		07/08/22 11:26	
Z1A-4-SC_6.5-8.5	22G0019-05		07/08/22 11:26	
Z1A-5-SC_2.5-4.5	22G0019-06		07/08/22 11:26	
Z1A-7-SC_2.5-4.5	22G0019-07		07/08/22 11:26	
Z1A-7-SC_4.5-6.5	22G0019-08		07/08/22 11:26	
Z1A-10-SC_3.5-5.5	22G0019-09		07/08/22 11:26	
Z1A-10-SC_6.5-8.5	22G0019-10		07/08/22 11:26	
Z1A-11-SC_4.0-6.0	22G0019-11		07/08/22 11:26	
OCM-1-CAP	22G0019-12		07/08/22 11:26	
OCM-1-MS	22G0019-13		07/08/22 11:26	
OCM-2-CAP	22G0019-14		07/08/22 11:26	
OCM-2-MS	22G0019-15		07/08/22 11:26	
Blank	BKG0150-BLK1		07/08/22 11:26	
Z1A-1-SC_5.5-7.5	BKG0150-DUP1		07/08/22 11:26	



Form I
METHOD BLANK DATA SHEET
SM 2540 G-97
TotalAnalytes

Blank

Laboratory: Analytical Resources, LLC

SDG: 22G0019

Client: GeoEngineers

Project: RG Haley Site-Bellingham

Batch: BKG0150

Laboratory ID: BKG0150-BLK1

Prepared: 07/08/22 11:26

Matrix: Solid

Preparation: No Prep Wet Chem

Analyzed: 07/08/22 11:28

Sequence:

Calibration:

Instrument: BAL2

CAS NO.	Analyte	Concentration (%)	Dilution Factor	MDL	MRL	Q
	Total Solids	ND	1	0.04	0.04	U



DUPLICATES
SM 2540 G-97

Laboratory: Analytical Resources, LLC

SDG: 22G0019

Client: GeoEngineers

Project: RG Haley Site-Bellingham

Matrix: Solid

Laboratory ID: BKG0150-DUP1

Batch: BKG0150

Lab Source ID: 22G0019-01

Preparation: No Prep Wet Chem

Initial/Final: 5 g / 5 g

Source Sample Name: Z1A-1-SC_5.5-7.5

% Solids: 23.77

ANALYTE	CONTROL LIMIT	SAMPLE CONCENTRATION	DUPLICATE CONCENTRATION	RPD %	Q
Total Solids	20	23.77	23.72	0.211	

*: Values outside of QC limits

L: Analyte concentration is ≤ 5 times the reporting limit and the replicate control limit defaults to Dup = +/-RL instead of 20% RPD



HOLDING TIME SUMMARY

Analysis: SM 2540 G-97

Laboratory: Analytical Resources, LLC

SDG: 22G0019

Client: GeoEngineers

Project: RG Haley Site-Bellingham

Sample Name	Date Collected	Date Received	Date Prepared	Days to Prep	Max Days to Prep	Date Analyzed	Days to Analysis	Max Days to Analysis	Q
Z1A-1-SC_5.5-7.5 22G0019-01	06/27/22 13:20	06/30/22 10:55	07/08/22 11:26	10	28	07/08/22 11:28	11	28	
Z1A-1-SC_7.5-9.5 22G0019-02	06/27/22 13:25	06/30/22 10:55	07/08/22 11:26	10	28	07/08/22 11:28	11	28	
Z1A-2-SC_3.5-5.5 22G0019-03	06/27/22 12:30	06/30/22 10:55	07/08/22 11:26	10	28	07/08/22 11:28	11	28	
Z1A-4-SC_3.5-5.5 22G0019-04	06/28/22 10:40	06/30/22 10:55	07/08/22 11:26	10	28	07/08/22 11:28	10	28	
Z1A-4-SC_6.5-8.5 22G0019-05	06/28/22 10:45	06/30/22 10:55	07/08/22 11:26	10	28	07/08/22 11:28	10	28	
Z1A-5-SC_2.5-4.5 22G0019-06	06/28/22 11:40	06/30/22 10:55	07/08/22 11:26	9	28	07/08/22 11:28	10	28	
Z1A-7-SC_2.5-4.5 22G0019-07	06/28/22 12:10	06/30/22 10:55	07/08/22 11:26	9	28	07/08/22 11:28	10	28	
Z1A-7-SC_4.5-6.5 22G0019-08	06/28/22 12:15	06/30/22 10:55	07/08/22 11:26	9	28	07/08/22 11:28	10	28	
Z1A-10-SC_3.5-5.5 22G0019-09	06/29/22 11:35	06/30/22 10:55	07/08/22 11:26	8	28	07/08/22 11:28	9	28	
Z1A-10-SC_6.5-8.5 22G0019-10	06/29/22 11:40	06/30/22 10:55	07/08/22 11:26	8	28	07/08/22 11:28	9	28	
Z1A-11-SC_4.0-6.0 22G0019-11	06/29/22 12:00	06/30/22 10:55	07/08/22 11:26	8	28	07/08/22 11:28	9	28	
OCM-1-CAP 22G0019-12	06/29/22 12:20	06/30/22 10:55	07/08/22 11:26	8	28	07/08/22 11:28	9	28	
OCM-1-MS 22G0019-13	06/29/22 12:25	06/30/22 10:55	07/08/22 11:26	8	28	07/08/22 11:28	9	28	
OCM-2-CAP 22G0019-14	06/29/22 12:35	06/30/22 10:55	07/08/22 11:26	8	28	07/08/22 11:28	9	28	
OCM-2-MS 22G0019-15	06/29/22 12:40	06/30/22 10:55	07/08/22 11:26	8	28	07/08/22 11:28	9	28	
Duplicate BKG0150-DUP1	06/27/22 13:20	06/30/22 10:55	07/08/22 11:26	10	28	07/08/22 11:28	11	28	

* Indicates hold time exceedance.



Analytical Resources, LLC
Analytical Chemists and Consultants

METHOD DETECTION AND REPORTING LIMITS

SM 2540 G-97

Laboratory: Analytical Resources, LLC

SDG: 22G0019

Client: GeoEngineers

Project: RG Haley Site-Bellingham

Matrix: Solid

Instrument:

Analyte	MDL	RL	Units
Total Solids	0.04	0.04	%

TOTAL SOLIDS BENCHSHEET						Batch:	BKG0055
Method: PSEP 1986						Date:	7/5/2022 13:32
(dry at 103-105 C)						Analyst:	CTO /MrB
Instrumentation						Drying Oven:	15
						Analytical Balance:	B146462614
Batch drying time			Oven Temp, C		TS (%) calculated as:		Oven Temps, °C
Record times as mm/dd/yy hh:mm					Final dry wt (g) = (Dry Wt - Tare Wt)		Start Temp: 101
Date/time in oven:	7/5/2022 15:32				TS = (Final Dry Wt X 100)/(sample & dish -dish tare)		End Temp: 104
Date/time out:	7/6/2022 8:00						
Elapsed hrs:	16.5						
SAMPLE ID	Dish Tare Wt (g)	Dish with Sample (g)	Dry Wt (g)	Solids Wt (g)	TS (%)	Sample Decanted	
22G0019-01	1.1000	11.1600	3.4800	2.38	23.66%	No	
22G0019-02	1.1300	11.4900	3.4600	2.33	22.49%	No	
22G0019-03	1.1300	11.8300	3.9900	2.86	26.73%	No	
22G0019-04	1.1200	11.8100	6.0400	4.92	46.02%	No	
22G0019-05	1.1400	11.5300	6.8800	5.74	55.25%	No	
22G0019-06	1.1500	11.4800	4.0200	2.87	27.78%	No	
22G0019-07	1.1500	11.5100	6.1200	4.97	47.97%	No	
22G0019-08	1.1600	11.8600	7.2900	6.13	57.29%	No	
22G0019-09	1.1300	11.6800	9.3800	8.25	78.20%	No	
22G0019-10	1.1500	11.8600	8.6700	7.52	70.21%	No	
22G0019-11	1.1300	11.4000	9.1400	8.01	77.99%	No	
22G0019-13	1.1300	12.0900	8.8000	7.67	69.98%	No	
22G0019-15	1.1200	11.3600	6.9500	5.83	56.93%	No	

TOTAL SOLIDS BENCHSHEET		Batch:	BKG0055
Method: PSEP 1986		Date:	7/5/2022 13:32
(dry at 103-105 C)		Analyst:	CTO/MBB
Instrumentation		Drying Oven:	015
		Analytical Balance:	B139298002

Batch drying time		Oven Temp, C	TS (%) calculated as:	Oven Temps, °C
Record times as mm/dd/yy hh:mm			Final dry wt (g) = (Dry Wt - Tare Wt)	Start Temp: 101
Date/time in oven:	07/05/22 15:32		TS = (Final Dry Wt X 100)/(sample & dish -dish tare)	End Temp: 104
Date/time out:	07/06/22 08:00			
Elapsed hrs:	0.0			

SAMPLE ID	Dish Tare Wt (g)	Dish with Sample (g)	Dry Wt (g)	Solids Wt (g)	TS (%)	Sample Decanted
22G0019-01 A	1.10	11.16	3.48			No
22G0019-02	1.13	11.49	3.46			No
22G0019-03	1.13	11.83	3.99			No
22G0019-04	1.12	11.81	6.04			No
22G0019-05	1.14	11.53	6.28			No
22G0019-06	1.15	11.48	4.02			No
22G0019-07	1.15	11.51	6.12			No
22G0019-08	1.16	11.86	7.29			No
22G0019-09	1.13	11.68	9.30			No
22G0019-10	1.15	11.86	8.67			No
22G0019-11	1.13	11.40	9.14			No
22G0019-13	1.13	12.09	8.20			No
22G0019-15	1.12	11.36	6.95			No

T/S + Screens
1 copy



Analytical Resources, LLC
Analytical Chemists and Consultants

29 August 2022

Brian Tracy
GeoEngineers
17425 Union Hill Road Suite 250
Redmond, WA 98052

RE: RG Haley Site-Bellingham

Please find enclosed sample receipt documentation and analytical results for samples from the project referenced above.

Sample analyses were performed according to ARI's Quality Assurance Plan and any provided project specific Quality Assurance Plan. Each analytical section of this report has been approved and reviewed by an analytical peer, the appropriate Laboratory Supervisor or qualified substitute, and a technical reviewer.

Should you have any questions or problems, please feel free to contact us at your convenience.

Associated Work Order(s)
22F0267

Associated SDG ID(s)
N/A

I certify that this data package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the conditions detailed in the enclosed Narrative. ARI, an accredited laboratory, certifies that the report results for which ARI is accredited meets all the requirements of the accrediting body. A list of certified analyses, accreditations, and expiration dates is included in this report.

Release of the data contained in this hardcopy data package has been authorized by the Laboratory Manager or his/her designee, as verified by the following signature.

Analytical Resources, LLC

Susan Dunnihoo For Shelly Fishel, Project Manager

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.



Chain of Custody Record & Laboratory Analysis Request



Analytical Resources, LLC
 Analytical Chemists and Consultants
 4611 South 134th Place, Suite 100
 Tukwila, WA 98168
 206-695-6200 206-695-6201 (fax)

ARI Assigned Number: 22F0267	Turn-around Requested: Standard	Date: 6/16/22
ARI Client Company: GeoEngineers	Phone: 206-239-3250	Page: 1 of 2
Client Contact: Brian Tracy	No. of Coolers:	Cooler Temps:

Client Project Name: RG Haley PRDI	Analysis Requested						Notes/Comments
Client Project #: 0050-11-00 00186-090-03	Samplers: Nate Solomon, Brittany Davis	NWTPH-Dx	NWTPH-Dx with acid silica gel cleanup	PAHs ¹ and PCP (EPA 8270E)	PAHs ¹ (EPA 8270E)	PCP (EPA 8041A)	Total Organic Carbon (SW 9060A)

Sample ID	Date	Time	Matrix	Number of Containers	NWTPH-Dx	NWTPH-Dx with acid silica gel cleanup	PAHs ¹ and PCP (EPA 8270E)	PAHs ¹ (EPA 8270E)	PCP (EPA 8041A)	Total Organic Carbon (SW 9060A)		
Z1A-3-MS	6/14/22	1300	Sediment	3	X	X	X			X		
Z1A-6-MS	↓	1310	Sediment	↓	X	X	X			X		
Z1A-9-MS	6/15/22	1020	Sediment	↓	X	X	X			X		
Z1A-12-MS	↓	0955	Sediment	↓	X	X	X			X		
Z1A-3-PW	6/14/22	1330	Water	7	X			X	X	X		
Z1A-6-PW	↓	1340	Water	↓	X			X	X	X		
Z1A-9-PW	6/15/22	1030	Water	↓	X			X	X	X		
Z1A-12-PW	↓	1000	Water	↓	X			X	X	X		
DUP-1-MS	6/14/22	1020	Sed.	3	X	X	X			X		
DUP-1-PW	↓	1230	W	7	X			X	X	X		

Comments/Special Instructions ¹ PAHs list to include 1-methylnaphthalene, 2-methylnaphthalene, acenaphthene, fluoranthene, naphthalene, phenanthrene, benzo(a)anthracene, benzo(a)pyrene, benzo(b)fluoranthene, benzo(k)fluoranthene, chrysene, dibenzo(a,h)anthracene and indeno(1,2,3-cd)pyrene).	Relinquished by: (Signature) <i>Brittany Davis</i>	Received by: (Signature) <i>Orlo Amos</i>	Relinquished by: (Signature)	Received by: (Signature)
	Printed Name: Brittany Davis	Printed Name: Orlo Amos	Printed Name:	Printed Name:
	Company: GeoEngineers	Company: ARI	Company:	Company:
	Date & Time: 6/14/22 @ 1050	Date & Time: 6/16/22 1054	Date & Time:	Date & Time:

Limits of Liability: ARI will perform all requested services in accordance with appropriate methodology following ARI Standard Operating Procedures and the ARI Quality Assurance Program. This program meets standards for the industry. The total liability of ARI, its officers, agents, employees, or successors, arising out of or in connection with the requested services, shall not exceed the Invoiced amount for said services. The acceptance by the client of a proposal for services by ARI release ARI from any liability in excess thereof, notwithstanding any provision to the contrary in any contract, purchase order or co-signed agreement between ARI and the Client.

Sample Retention Policy: Unless specified by work order or contract, all water/soil samples submitted to ARI will be discarded or returned, no sooner than 90 days after receipt or 60 days after submission of hardcopy data, whichever is longer.

Chain of Custody Record & Laboratory Analysis Request



Analytical Resources, LLC
 Analytical Chemists and Consultants
 4611 South 134th Place, Suite 100
 Tukwila, WA 98168
 206-695-6200 206-695-6201 (fax)

ARI Assigned Number: 22F0267	Turn-around Requested: STD.	Page: 2 of 2
ARI Client Company: GeoEngineers	Phone: 206-229-3250	Date: 6/16/22
Client Contact: Brian Tracy	No. of Coolers:	Ice Present? No
Client Project Name: RE Haley PRDI	Sampler:	Cooler Temps:

Sample ID	Date	Time	Matrix	No. Containers	Analysis Requested								Notes/Comments
					NWTPH - Dx	NWTPH - Dx w/ and silica gel cleanup	PAHs + PCB (EPA 8210E)	PAHs (EPA 8210E)	PCP (EPA 8041A)	TOC (SW 9060A)	Archive		
ZIB-1-MS	6/14/22	1015	Sediment	3	X	X	X				X		
ZIB-2-MS	↓	1030	↓	↓	X	X	X				X		
ZIB-3-MS	6/14/22	1505	↓	↓	X	X	X				X		
ZIB-4-MS	6/15/22	0945	↓	↓	X	X	X				X		
ZIB-1-PW	6/14/22	1110	W	7	X			X	X	X			
ZIB-2-PW	↓	1150	↓	↓	X			X	X	X			
ZIB-3-PW	6/15/22	0940	↓	↓	X			X	X	X			
ZIB-4-PW	↓	0950	↓	↓	X			X	X	X			
OCM-1-CAP-MS	↓	1150	Sed.	3								X	
OCM-2-CAP-MS	↓	1200	↓	↓								X	

Comments/Special Instructions	Relinquished by: (Signature) <i>Brittany Davis</i>	Received by: (Signature) <i>Orlo Amos</i>	Relinquished by: (Signature)	Received by: (Signature)
	Printed Name: BRITTANY DAVIS	Printed Name: Orlo Amos	Printed Name:	Printed Name:
	Company: GeoEngineers	Company: ARI	Company:	Company:
	Date & Time: 6/16/22 @ 1050	Date & Time: 6/16/22 1054	Date & Time:	Date & Time:

Limits of Liability: ARI will perform all requested services in accordance with appropriate methodology following ARI Standard Operating Procedures and the ARI Quality Assurance Program. This program meets standards for the industry. The total liability of ARI, its officers, agents, employees, or successors, arising out of or in connection with the requested services, shall not exceed the Invoiced amount for said services. The acceptance by the client of a proposal for services by ARI release ARI from any liability in excess thereof, notwithstanding any provision to the contrary in any contract, purchase order or co-signed agreement between ARI and the Client.

Sample Retention Policy: All samples submitted to ARI will be appropriately discarded no sooner than 90 days after receipt or 60 days after submission of hardcopy data, whichever is longer, unless alternate retention schedules have been established by work-order or contract.



WORK ORDER

22F0267

Samples will be discarded 90 days after submission of a final report unless other instructions are received

Client: GeoEngineers	Project Manager: Shelly Fishel
Project: RG Haley Site-Bellingham	Project Number: RG Haley Site-Bellingham May

Preservation Confirmation

Container ID	Container Type	pH
22F0267-01 A	Glass WM, Clear, 8 oz	
22F0267-01 B	Glass WM, Clear, 4 oz	
22F0267-02 A	Glass WM, Clear, 8 oz	
22F0267-03 A	Glass WM, Clear, 8 oz	
22F0267-03 B	Glass WM, Clear, 4 oz	
22F0267-04 A	Glass WM, Clear, 8 oz	
22F0267-05 A	Glass WM, Clear, 8 oz	
22F0267-05 B	Glass WM, Clear, 4 oz	
22F0267-06 A	Glass WM, Clear, 8 oz	
22F0267-07 A	Glass WM, Clear, 8 oz	
22F0267-07 B	Glass WM, Clear, 4 oz	
22F0267-08 A	Glass WM, Clear, 8 oz	
22F0267-09 A	Glass NM, Amber, 500 mL	
22F0267-09 B	Glass NM, Amber, 500 mL	
22F0267-09 C	Glass NM, Amber, 500 mL	
22F0267-09 D	Glass NM, Amber, 500 mL	
22F0267-09 E	Glass NM, Amber, 500 mL, HCl	LL PASS
22F0267-09 F	Glass NM, Amber, 500 mL, HCl	LL
22F0267-09 G	Glass NM, Amber, 250 mL, 9N H2SO4	LL
22F0267-10 A	Glass NM, Amber, 500 mL	
22F0267-10 B	Glass NM, Amber, 500 mL	
22F0267-10 C	Glass NM, Amber, 500 mL	
22F0267-10 D	Glass NM, Amber, 500 mL	
22F0267-10 E	Glass NM, Amber, 500 mL, HCl	LL
22F0267-10 F	Glass NM, Amber, 500 mL, HCl	LL
22F0267-10 G	Glass NM, Amber, 250 mL, 9N H2SO4	LL
22F0267-11 A	Glass NM, Amber, 500 mL	
22F0267-11 B	Glass NM, Amber, 500 mL	
22F0267-11 C	Glass NM, Amber, 500 mL	
22F0267-11 D	Glass NM, Amber, 500 mL	
22F0267-11 E	Glass NM, Amber, 500 mL, HCl	LL
22F0267-11 F	Glass NM, Amber, 500 mL, HCl	LL
22F0267-11 G	Glass NM, Amber, 250 mL, 9N H2SO4	LL
22F0267-12 A	Glass NM, Amber, 500 mL	LL



WORK ORDER

22F0267

Samples will be discarded 90 days after submission of a final report unless other instructions are received

Client: GeoEngineers

Project Manager: Shelly Fishel

Project: RG Haley Site-Bellingham

Project Number: RG Haley Site-Bellingham May

22F0267-12 B	Glass NM, Amber, 500 mL		
22F0267-12 C	Glass NM, Amber, 500 mL		
22F0267-12 D	Glass NM, Amber, 500 mL		
22F0267-12 E	Glass NM, Amber, 500 mL, HCl	CC	Pass
22F0267-12 F	Glass NM, Amber, 500 mL, HCl	CC	
22F0267-12 G	Glass NM, Amber, 250 mL, 9N H2SO4	CC	
22F0267-13 A	Glass WM, Clear, 8 oz		
22F0267-13 B	Glass WM, Clear, 4 oz		
22F0267-14 A	Glass WM, Clear, 8 oz		
22F0267-15 A	Glass NM, Amber, 500 mL		
22F0267-15 B	Glass NM, Amber, 500 mL		
22F0267-15 C	Glass NM, Amber, 500 mL		
22F0267-15 D	Glass NM, Amber, 500 mL		
22F0267-15 E	Glass NM, Amber, 500 mL, HCl	CC	
22F0267-15 F	Glass NM, Amber, 500 mL, HCl	CC	
22F0267-15 G	Glass NM, Amber, 250 mL, 9N H2SO4	CC	
22F0267-16 A	Glass WM, Clear, 8 oz		
22F0267-16 B	Glass WM, Clear, 4 oz		
22F0267-17 A	Glass WM, Clear, 8 oz		
22F0267-18 A	Glass WM, Clear, 8 oz		
22F0267-18 B	Glass WM, Clear, 4 oz		
22F0267-19 A	Glass WM, Clear, 8 oz		
22F0267-20 A	Glass WM, Clear, 8 oz		
22F0267-20 B	Glass WM, Clear, 4 oz		
22F0267-21 A	Glass WM, Clear, 8 oz		
22F0267-22 A	Glass WM, Clear, 8 oz		
22F0267-22 B	Glass WM, Clear, 4 oz		
22F0267-23 A	Glass WM, Clear, 8 oz		
22F0267-24 A	Glass NM, Amber, 500 mL		
22F0267-24 B	Glass NM, Amber, 500 mL		
22F0267-24 C	Glass NM, Amber, 500 mL		
22F0267-24 D	Glass NM, Amber, 500 mL		
22F0267-24 E	Glass NM, Amber, 500 mL, HCl	CC	
22F0267-24 F	Glass NM, Amber, 500 mL, HCl	CC	
22F0267-24 G	Glass NM, Amber, 250 mL, 9N H2SO4	CC	
22F0267-25 A	Glass NM, Amber, 500 mL		



WORK ORDER

22F0267

Samples will be discarded 90 days after submission of a final report unless other instructions are received

Client: GeoEngineers	Project Manager: Shelly Fishel
Project: RG Haley Site-Bellingham	Project Number: RG Haley Site-Bellingham May

22F0267-25 B	Glass NM, Amber, 500 mL		
22F0267-25 C	Glass NM, Amber, 500 mL		
22F0267-25 D	Glass NM, Amber, 500 mL		
22F0267-25 E	Glass NM, Amber, 500 mL, HCl	CL	PASS
22F0267-25 F	Glass NM, Amber, 500 mL, HCl	CL	
22F0267-25 G	Glass NM, Amber, 250 mL, 9N H2SO4	CL	
22F0267-26 A	Glass NM, Amber, 500 mL		
22F0267-26 B	Glass NM, Amber, 500 mL		
22F0267-26 C	Glass NM, Amber, 500 mL		
22F0267-26 D	Glass NM, Amber, 500 mL		
22F0267-26 E	Glass NM, Amber, 500 mL, HCl	CL	
22F0267-26 F	Glass NM, Amber, 500 mL, HCl	CL	
22F0267-26 G	Glass NM, Amber, 250 mL, 9N H2SO4	CL	
22F0267-27 A	Glass NM, Amber, 500 mL		
22F0267-27 B	Glass NM, Amber, 500 mL		
22F0267-27 C	Glass NM, Amber, 500 mL		
22F0267-27 D	Glass NM, Amber, 500 mL		
22F0267-27 E	Glass NM, Amber, 500 mL, HCl	CL	
22F0267-27 F	Glass NM, Amber, 500 mL, HCl	CL	
22F0267-27 G	Glass NM, Amber, 250 mL, 9N H2SO4	CL	
22F0267-28 A	Glass WM, Clear, 8 oz		
22F0267-28 B	Glass WM, Clear, 4 oz		
22F0267-28 C	Glass WM, Clear, 8 oz		
22F0267-29 A	Glass WM, Clear, 8 oz		
22F0267-29 B	Glass WM, Clear, 4 oz		
22F0267-29 C	Glass WM, Clear, 8 oz		

Preservation Confirmed By

6/16/22

Date



Cooler Receipt Form

ARI Client: Geoengineers
 COC No(s): _____ (NA)
 Assigned ARI Job No: 22F0267

Project Name: R6 Haley
 Delivered by: Fed-Ex UPS Courier Hand Delivered Other: _____
 Tracking No: _____ (NA)

Preliminary Examination Phase:

Were intact, properly signed and dated custody seals attached to the outside of the cooler? YES NO
 Were custody papers included with the cooler? YES NO
 Were custody papers properly filled out (ink, signed, etc.) YES NO
 Temperature of Cooler(s) (°C) (recommended 2.0-6.0 °C for chemistry)

Time 1054 2.8 4.3 5.8 1.3
 If cooler temperature is out of compliance fill out form 00070F Temp Gun ID#: 9708

Cooler Accepted by: Carlo Amis Date: 6/16/22 Time: 1054

Complete custody forms and attach all shipping documents

Log-In Phase:

Was a temperature blank included in the cooler? YES NO
 What kind of packing material was used? ... Bubble Wrap Wet Ice Gel Packs Baggies Foam Block Paper Other: _____
 Was sufficient ice used (if appropriate)? NA YES NO
 How were bottles sealed in plastic bags? Individually Grouped Not
 Did all bottles arrive in good condition (unbroken)? YES NO
 Were all bottle labels complete and legible? YES NO
 Did the number of containers listed on COC match with the number of containers received? YES NO
 Did all bottle labels and tags agree with custody papers? YES NO
 Were all bottles used correct for the requested analyses? YES NO
 Do any of the analyses (bottles) require preservation? (attach preservation sheet, excluding VOCs) ... NA YES NO
 Were all VOC vials free of air bubbles? NA YES NO
 Was sufficient amount of sample sent in each bottle? YES NO
 Date VOC Trip Blank was made at ARI: _____ NA _____
 Were the sample(s) split by ARI? NA YES Date/Time: _____ Equipment: _____ Split by: _____

Samples Logged by: Ken Date: 6/16/22 Time: 1258 Labels checked by: _____

**** Notify Project Manager of discrepancies or concerns ****

Sample ID on Bottle	Sample ID on COC	Sample ID on Bottle	Sample ID on COC

Additional Notes, Discrepancies, & Resolutions:

By: _____ Date: _____



GeoEngineers

Project: RG Haley Site-Bellingham

17425 Union Hill Road Suite 250

Project Number: 0356-114-08

Reported:

Redmond, WA 98052

Project Manager: Brian Tracy

08/01/2022 16:55

ANALYTICAL REPORT FOR SAMPLES

Laboratory ID	Sample ID	Matrix	Date Sampled	Date Received
22F0267-01	Z1A-3-MS	Solid	06/14/22 13:00	06/16/22 10:54
22F0267-02	Z1A-3-MS	Solid	06/14/22 13:00	06/16/22 10:54
22F0267-03	Z1A-6-MS	Solid	06/14/22 13:10	06/16/22 10:54
22F0267-04	Z1A-6-MS	Solid	06/14/22 13:10	06/16/22 10:54
22F0267-05	Z1A-9-MS	Solid	06/15/22 10:20	06/16/22 10:54
22F0267-06	Z1A-9-MS	Solid	06/15/22 10:20	06/16/22 10:54
22F0267-07	Z1A-12-MS	Solid	06/15/22 09:55	06/16/22 10:54
22F0267-08	Z1A-12-MS	Solid	06/15/22 09:55	06/16/22 10:54
22F0267-09	Z1A-3-PW	Water	06/14/22 13:30	06/16/22 10:54
22F0267-10	Z1A-6-PW	Water	06/14/22 13:40	06/16/22 10:54
22F0267-11	Z1A-9-PW	Water	06/15/22 10:30	06/16/22 10:54
22F0267-12	Z1A-12-PW	Water	06/15/22 10:00	06/16/22 10:54
22F0267-13	DUP-1-MS	Solid	06/14/22 10:20	06/16/22 10:54
22F0267-14	DUP-1-MS	Solid	06/14/22 10:20	06/16/22 10:54
22F0267-15	DUP-1-PW	Water	06/15/22 12:30	06/16/22 10:54
22F0267-16	Z1B-1-MS	Solid	06/14/22 10:15	06/16/22 10:54
22F0267-17	Z1B-1-MS	Solid	06/14/22 10:15	06/16/22 10:54
22F0267-18	Z1B-2-MS	Solid	06/14/22 10:30	06/16/22 10:54
22F0267-19	Z1B-2-MS	Solid	06/14/22 10:30	06/16/22 10:54
22F0267-20	Z1B-3-MS	Solid	06/14/22 15:05	06/16/22 10:54
22F0267-21	Z1B-3-MS	Solid	06/14/22 15:05	06/16/22 10:54
22F0267-22	Z1B-4-MS	Solid	06/15/22 09:45	06/16/22 10:54
22F0267-23	Z1B-4-MS	Solid	06/15/22 09:45	06/16/22 10:54
22F0267-24	Z1B-1-PW	Water	06/14/22 11:10	06/16/22 10:54
22F0267-25	Z1B-2-PW	Water	06/14/22 11:50	06/16/22 10:54
22F0267-26	Z1B-3-PW	Water	06/15/22 09:40	06/16/22 10:54
22F0267-27	Z1B-4-PW	Water	06/15/22 09:50	06/16/22 10:54
22F0267-28	OCM-1-CAP-MS	Solid	06/15/22 11:50	06/16/22 10:54
22F0267-29	OCM-2-CAP-MS	Solid	06/15/22 12:00	06/16/22 10:54



GeoEngineers
17425 Union Hill Road Suite 250
Redmond WA, 98052

Project: RG Haley Site-Bellingham
Project Number: 0356-114-08
Project Manager: Brian Tracy

Reported:
29-Aug-2022 14:37

Case Narrative

Client: GeoEngineers
Project: RG Haley Site-Bellingham
Project Number: 0356-114-08
Work Order: 22F0267

Revised Report - August 29, 2022

This report was revised to detail preparation variance for the TPHDx.

Revised Report - August 1, 2022

This report was revised for Pentachlorophenol in water samples. The samples were extracted and analyzed at the standard Chlorinated Phenols reporting limit. After reporting it was determined that lower detection limits were required. The original extracts were concentrated and analyzed to achieve the lower detection limits. The reanalysis was performed within hold time. Both data sets have been reported.

Sample receipt

Sample(s) as listed on the preceding page were received 16-Jun-2022 10:54 under ARI work order 22F0267. For details regarding sample receipt, please refer to the Cooler Receipt Form.

Chlorinated Phenols - EPA Method SW8041A

The sample(s) were extracted and analyzed within the recommended holding times.

Initial and continuing calibrations were within method requirements.

The surrogate percent recoveries were within control limits with the exception of surrogates flagged on the associated forms.

The method blank(s) were clean at the reporting limits.

The blank spike (BS/LCS) percent recoveries were within control limits.

Semivolatiles - EPA Method SW8270E

The sample(s) were extracted and analyzed within the recommended holding times.

Initial and continuing calibrations were within method requirements with the exception of all associated "Q" flagged analytes which are out of control low in the CCAL for pentachlorophenol in the solids analysis. All associated samples that contain analyte have been flagged with a "Q" qualifier.

Internal standard areas were within limits.

The surrogate percent recoveries were within control limits with the exception of analytes flagged on the associated forms.

The method blank(s) were clean at the reporting limits.

The blank spike (BS/LCS) percent recoveries were within control limits.

The matrix spike/matrix spike duplicate (MS/MSD) percent recoveries and relative percent difference (RPD) were within advisory control limits with the exception of surrogates flagged on the associated forms.



GeoEngineers
17425 Union Hill Road Suite 250
Redmond WA, 98052

Project: RG Haley Site-Bellingham
Project Number: 0356-114-08
Project Manager: Brian Tracy

Reported:
29-Aug-2022 14:37

Case Narrative

Diesel/Heavy Oil Range Organics - WA-Ecology Method NW-TPHDx

The sample(s) were extracted and analyzed within the recommended holding times.

Due to an oversight in the preparation laboratory, a single extract was not split for both with and without cleanups. Unique aliquots were extracted for each method, adding to the variance between the values reported for a given sample.

Initial and continuing calibrations were within method requirements.

The surrogate percent recoveries were within control limits.

The method blank(s) were clean at the reporting limits.

The blank spike (BS/LCS) percent recoveries were within control limits.

The matrix spike (MS) percent recoveries and the duplicate (DUP) relative percent difference (RPD) were within advisory control limits with the exception of analytes flagged on the associated forms.

Wet Chemistry

The sample(s) were prepared and analyzed within the recommended holding times.

Initial and continuing calibrations were within method requirements.

The method blank(s) were clean at the reporting limits.

The blank spike (BS/LCS) percent recoveries were within control limits.

The matrix spike (MS) percent recoveries and the duplicate (DUP) relative percent difference (RPD) were within advisory control limits with the exception of analytes flagged on the associated forms.



QUALIFIERS AND NOTES

<u>Qualifier</u>	<u>Definition</u>
Y1	Raised reporting limit due to interference
U	This analyte is not detected above the reporting limit (RL) or if noted, not detected above the limit of detection (LOD).
Q	Indicates a detected analyte with an initial or continuing calibration that does not meet established acceptance criteria (<20% RSD, <20% drift or minimum RRF)
NRS	This surrogate not reported due to chromatographic interference
M	Estimated value for a GC/MS analyte detected and confirmed by an analyst but with low spectral match parameters.
J	Estimated concentration value detected below the reporting limit.
E	The analyte concentration exceeds the upper limit of the calibration range of the instrument established by the initial calibration (ICAL)
D	The reported value is from a dilution
*	Flagged value is not within established control limits.
DET	Analyte DETECTED
ND	Analyte NOT DETECTED at or above the reporting limit
NR	Not Reported
dry	Sample results reported on a dry weight basis
RPD	Relative Percent Difference



Form I
ORGANIC ANALYSIS DATA SHEET
EPA 8270E
Semivolatiles (20ug/kg - 0.2ug/L SepF)

Laboratory: Analytical Resources, LLC

Client: GeoEngineers

Project: RG Haley Site-Bellingham

Matrix: Sediment

Laboratory ID: 22F0267-01 A

SDG: 22F0267

Sampled: 06/14/22 13:00

Prepared: 06/21/22 13:45

File ID: NT1022063008.D

% Solids: 51.14

Preparation: EPA 3546 (Microwave)

Analyzed: 06/30/22 18:05

Batch: BKF0469

Sequence: SKG0010

Initial/Final: 19.58 g Wet / 1 mL

Instrument: NT10

Column: ZB-5MSi

Calibration: FF00062

Cleanups: GPC

CAS NO.	COMPOUND	DILUTION	CONC: (ug/kg dry)	Q	DL	RL
91-20-3	Naphthalene	1	67.1		4.2	20.0
91-57-6	2-Methylnaphthalene	1	18.4	J	4.5	20.0
83-32-9	Acenaphthene	1	5.6	J	5.2	20.0
87-86-5	Pentachlorophenol	1	31.2	U	31.2	99.9
85-01-8	Phenanthrene	1	69.7		8.7	20.0
206-44-0	Fluoranthene	1	115		6.1	20.0
56-55-3	Benzo(a)anthracene	1	32.9		6.0	20.0
218-01-9	Chrysene	1	51.3		6.1	20.0
205-99-2	Benzo(b)fluoranthene	1	32.6		7.0	20.0
207-08-9	Benzo(k)fluoranthene	1	28.6		5.0	20.0
50-32-8	Benzo(a)pyrene	1	37.7		4.2	20.0
193-39-5	Indeno(1,2,3-cd)pyrene	1	20.0		14.6	20.0
53-70-3	Dibenzo(a,h)anthracene	1	17.2	U	17.2	20.0
90-12-0	1-Methylnaphthalene	1	13.1	J	5.3	20.0

SURROGATES	ADDED: (ug/kg dry)	FOUND: (ug/kg dry)	% REC	QC LIMITS	Q
2-Fluorophenol	749.01	448	59.8	27 - 120	
Phenol-d5	749.01	462	61.7	29 - 120	
2-Chlorophenol-d4	749.01	663	88.5	31 - 120	
1,2-Dichlorobenzene-d4	499.34	466	93.4	32 - 120	
Nitrobenzene-d5	499.34	463	92.8	30 - 120	
2-Fluorobiphenyl	499.34	507	101	35 - 120	
2,4,6-Tribromophenol	749.01	773	103	24 - 134	
p-Terphenyl-d14	499.34	580	116	37 - 120	

Data File: \\target\share\chem3\nt10.1\20220630.1\NT1022063008.D

Date: 30-JUN-2022 18:05

Client ID:

Sample Info: 22F0267-01

Page 1

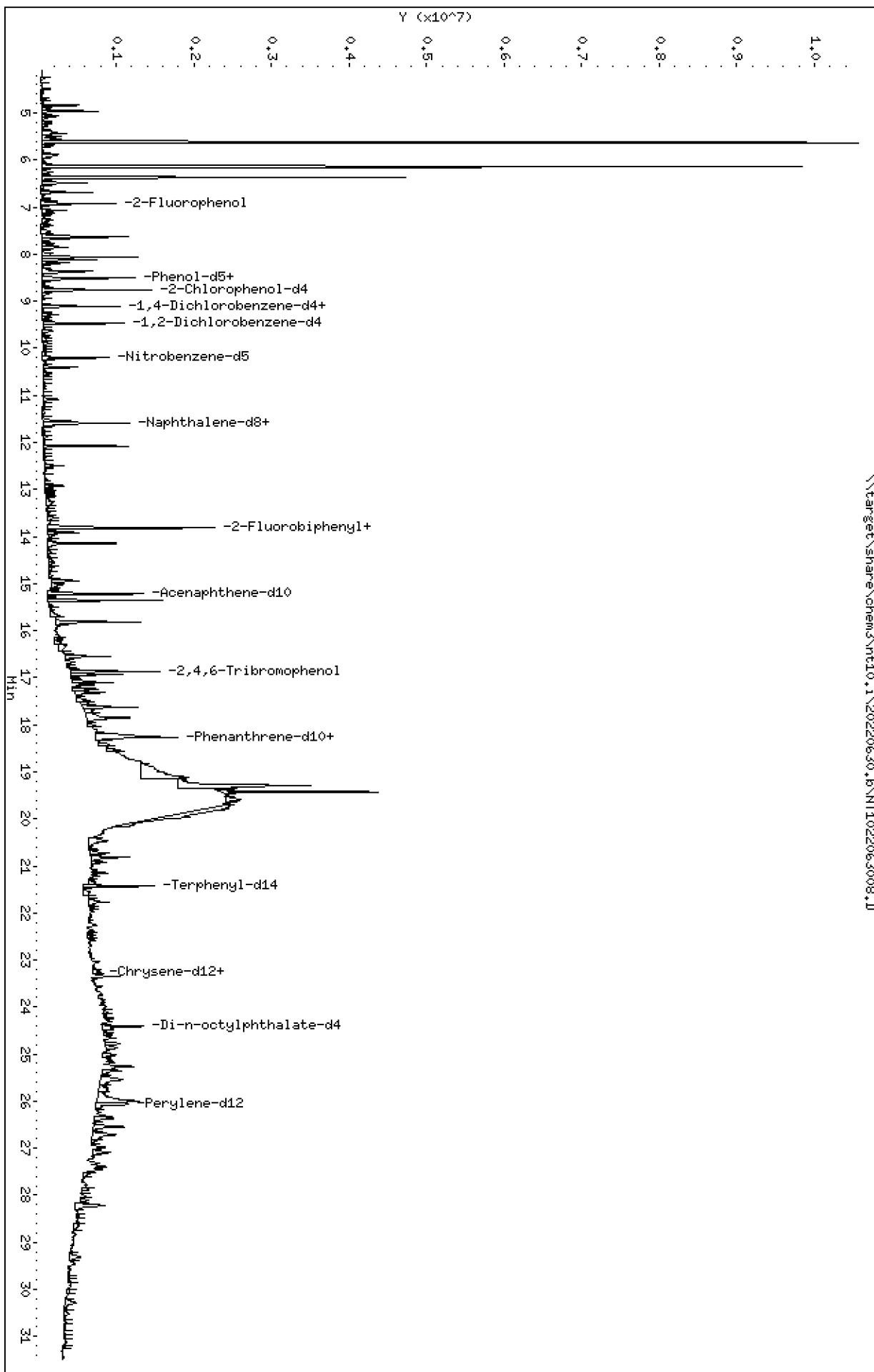
Column phase: ZB-5msi

Instrument: nt10.1

Operator: VTS

Column diameter: 0.25

\\target\share\chem3\nt10.1\20220630.1\NT1022063008.D



Date : 30-JUN-2022 18:05

Client ID:

Instrument: nt10.i

Sample Info: 22F0267-01

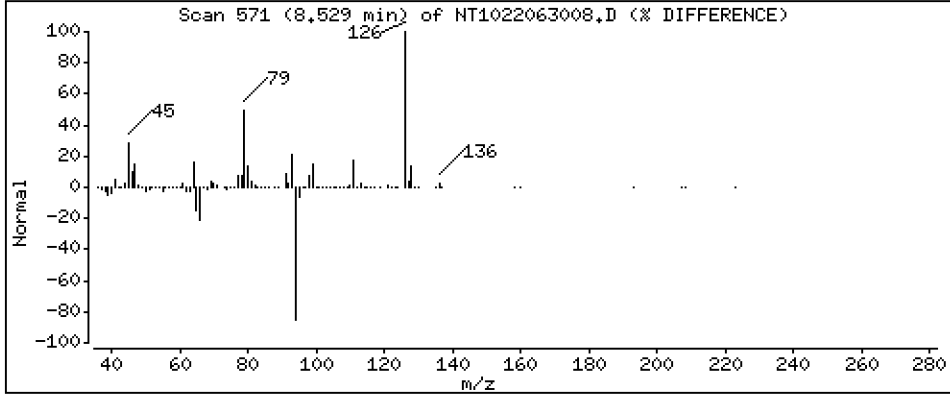
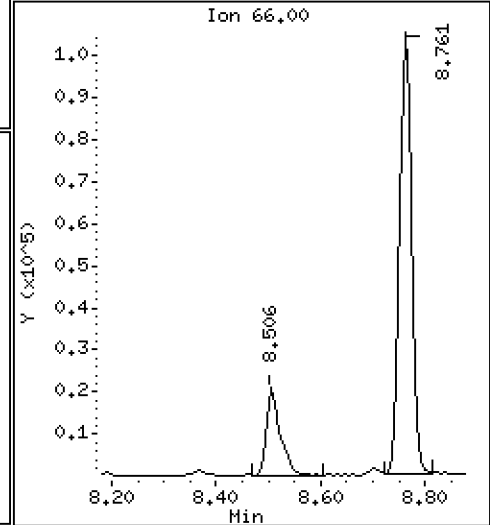
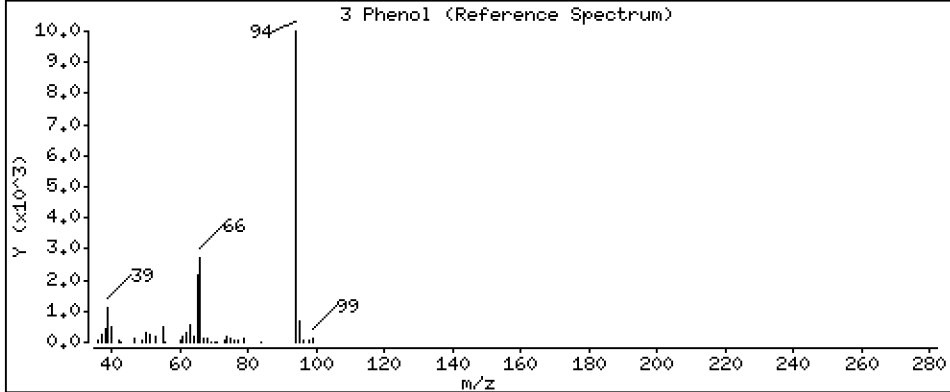
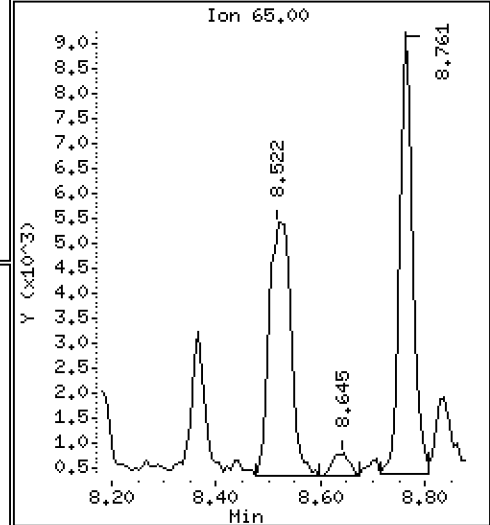
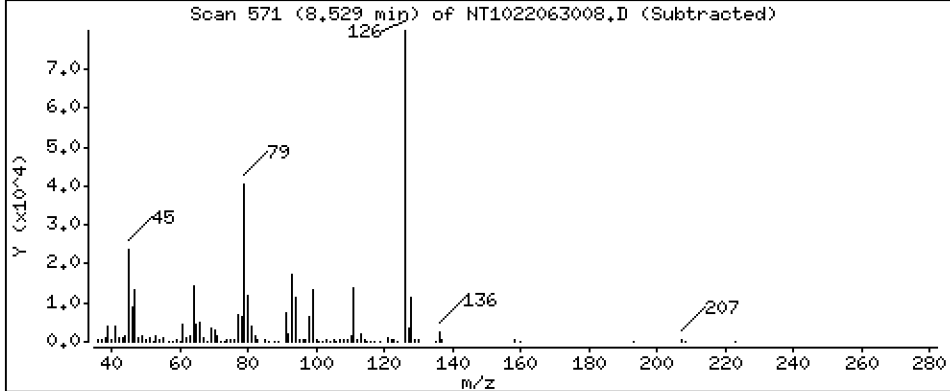
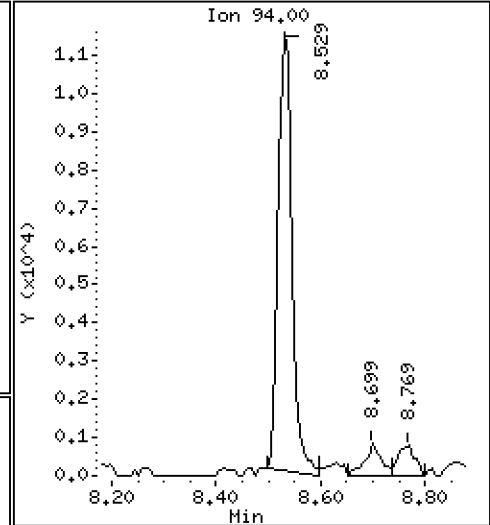
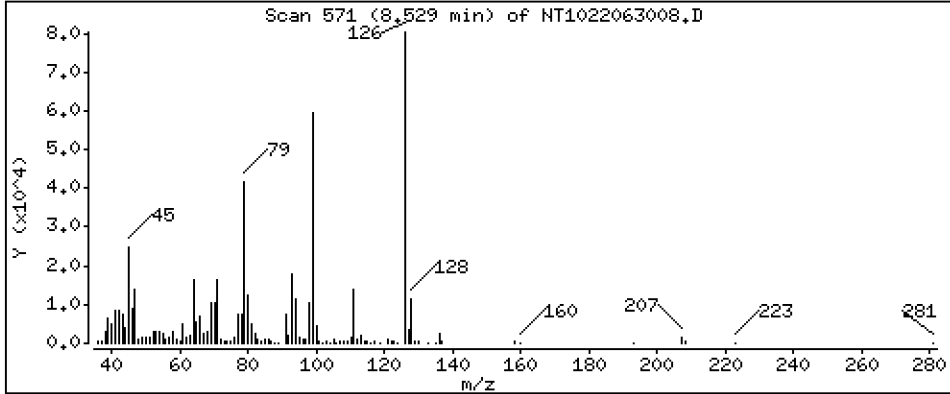
Operator: VTS

Column phase: ZB-5msi

Column diameter: 0,25

3 Phenol

Concentration: 0,1524 ug/mL



Date : 30-JUN-2022 18:05

Client ID:

Instrument: nt10.i

Sample Info: 22F0267-01

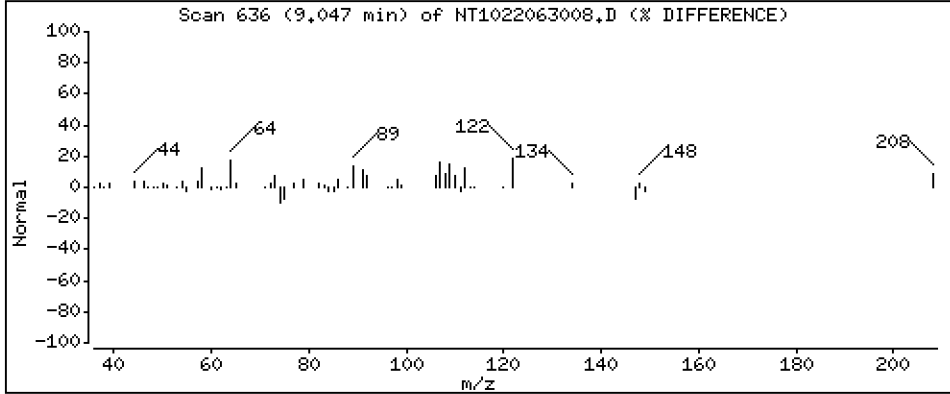
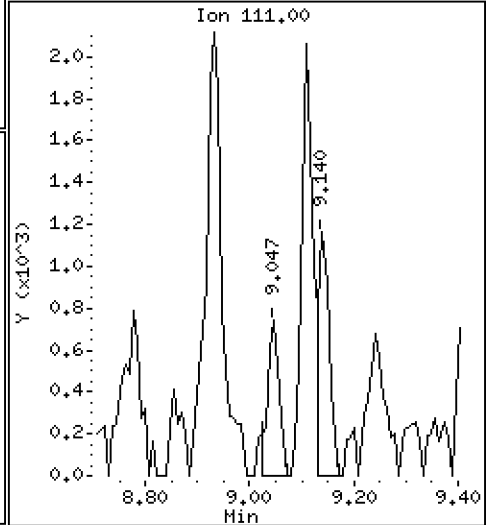
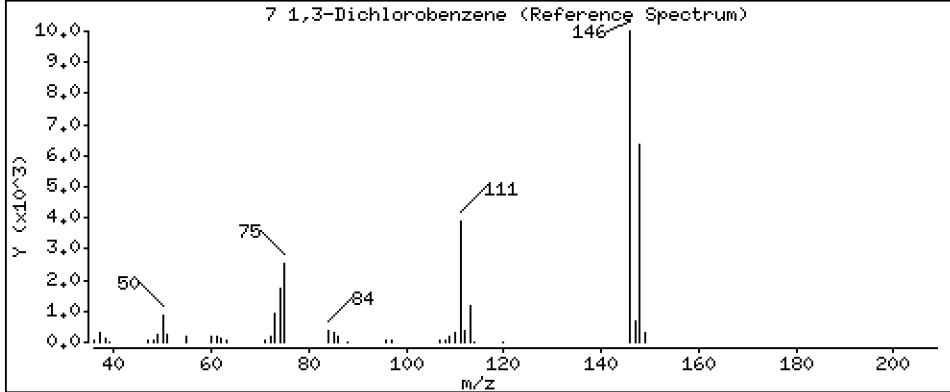
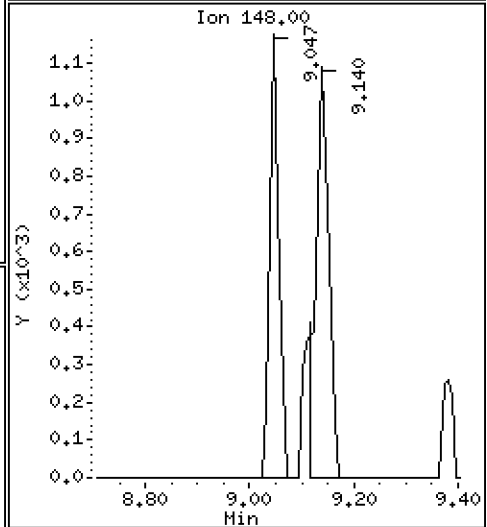
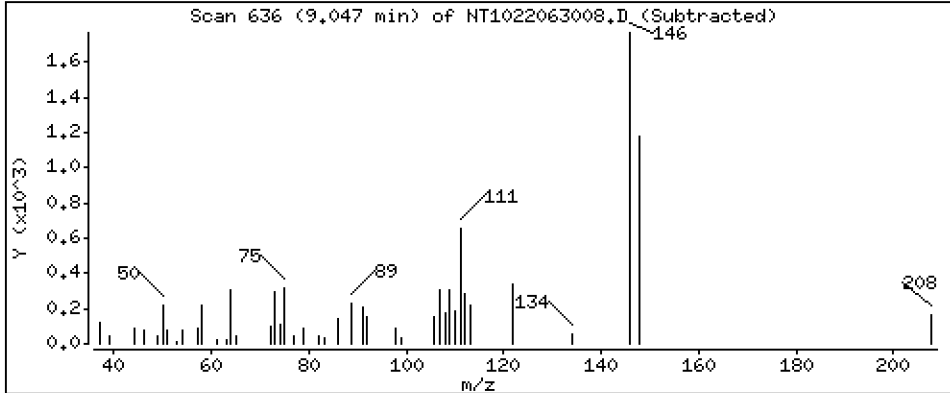
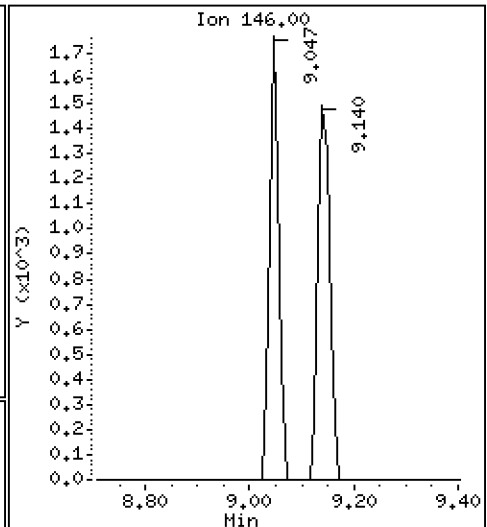
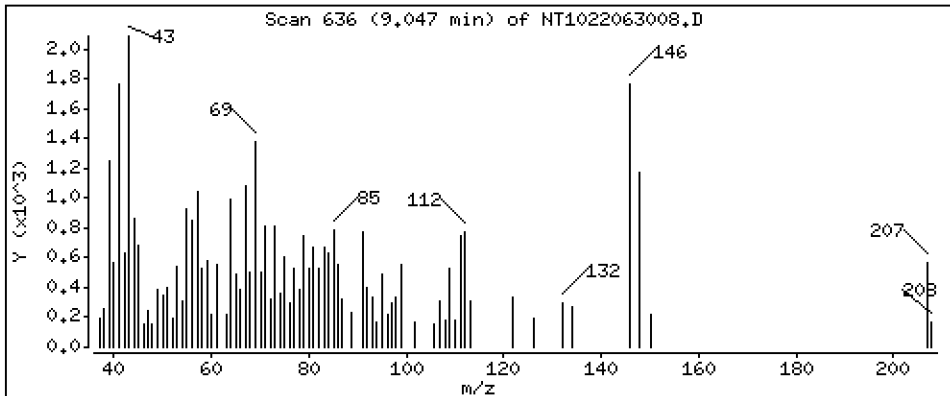
Operator: VTS

Column phase: ZB-5msi

Column diameter: 0.25

7 1,3-Dichlorobenzene

Concentration: 0.01944 ug/mL



Date : 30-JUN-2022 18:05

Client ID:

Instrument: nt10.i

Sample Info: 22F0267-01

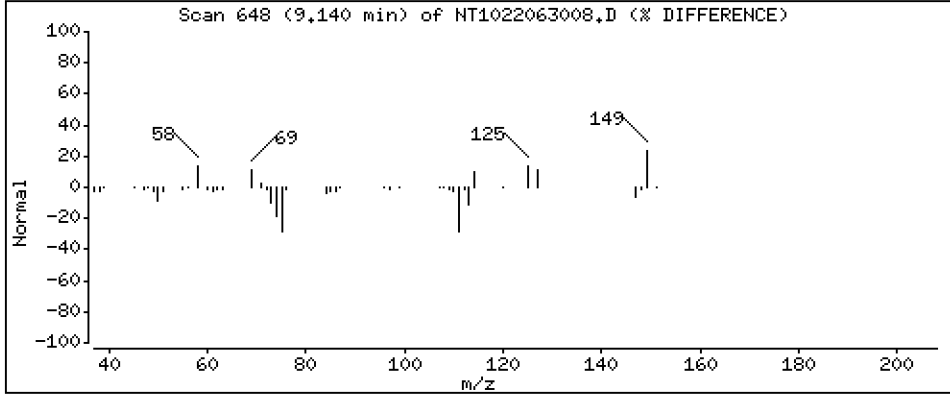
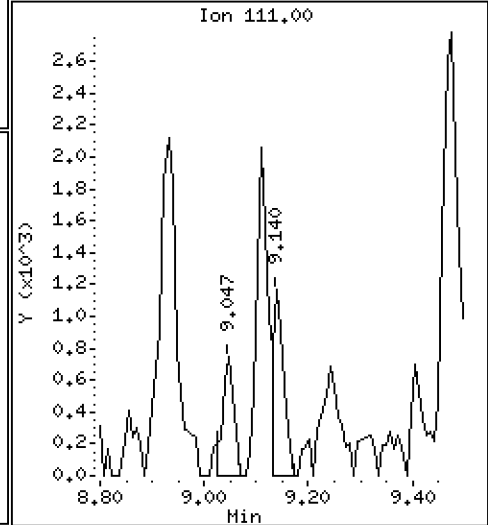
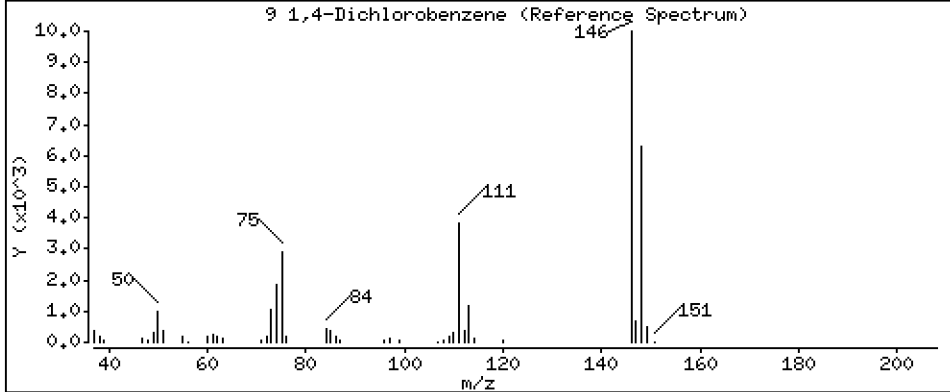
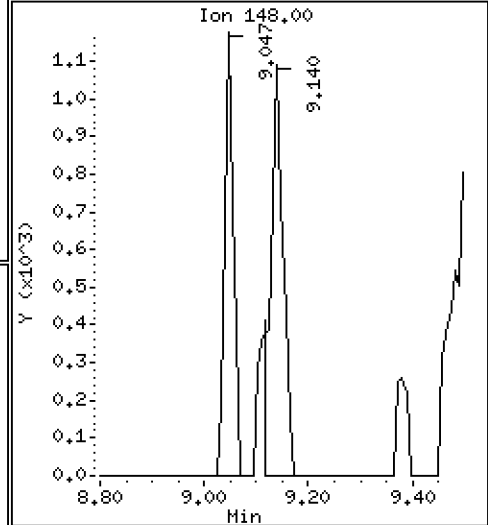
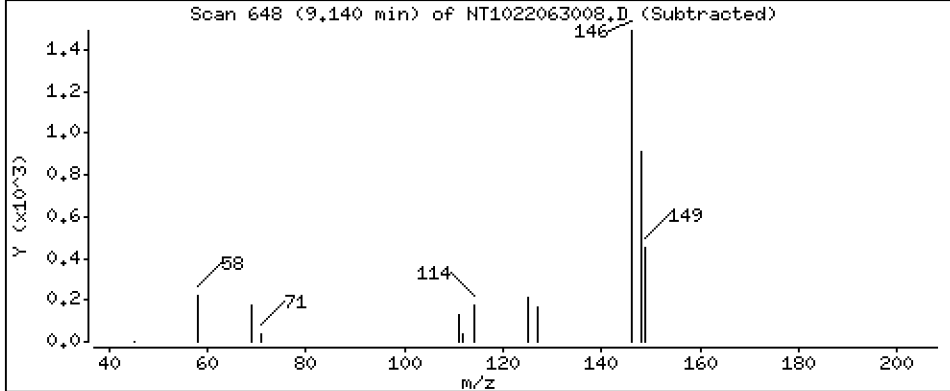
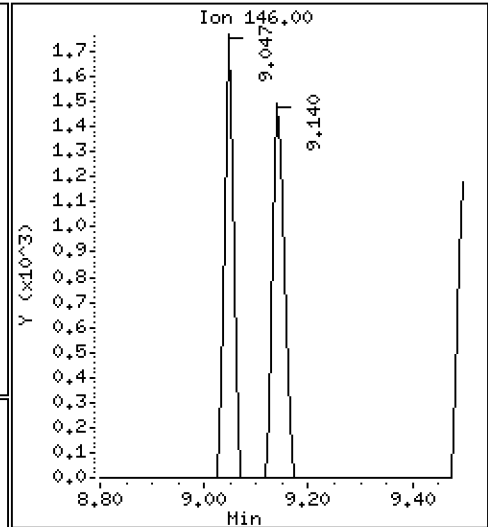
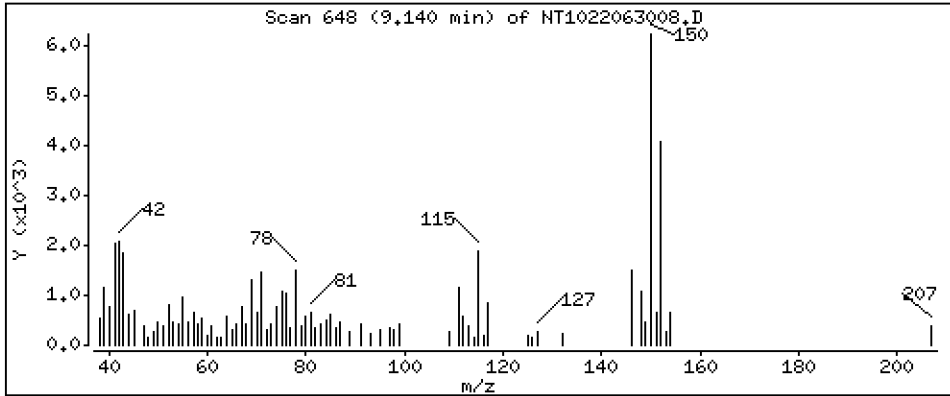
Operator: VTS

Column phase: ZB-5msi

Column diameter: 0.25

9 1,4-Dichlorobenzene

Concentration: 0.02486 ug/mL



Date : 30-JUN-2022 18:05

Client ID:

Instrument: nt10.i

Sample Info: 22F0267-01

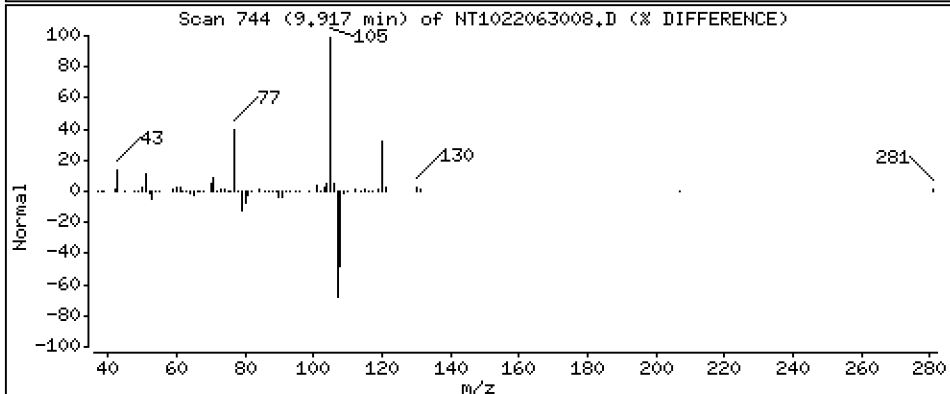
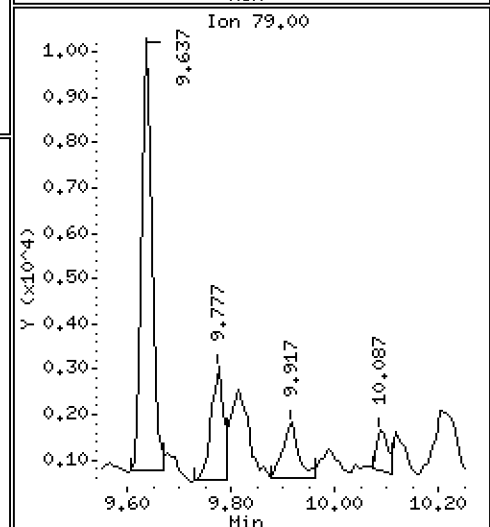
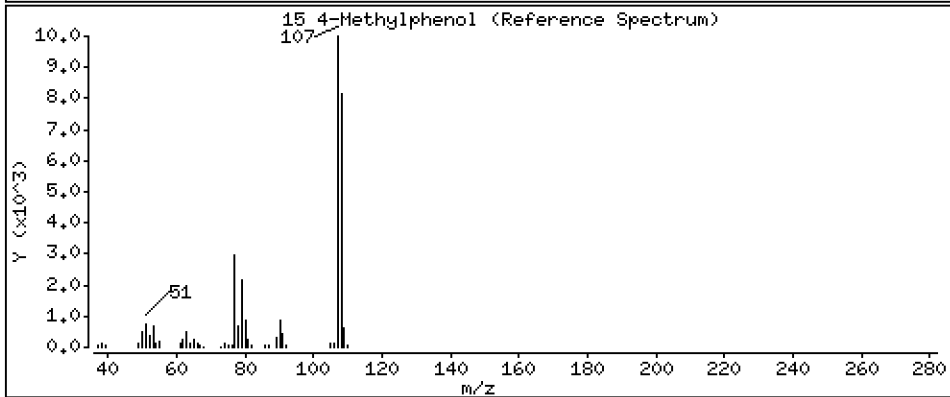
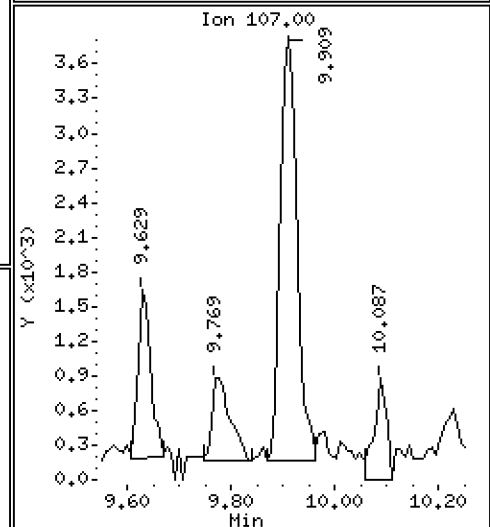
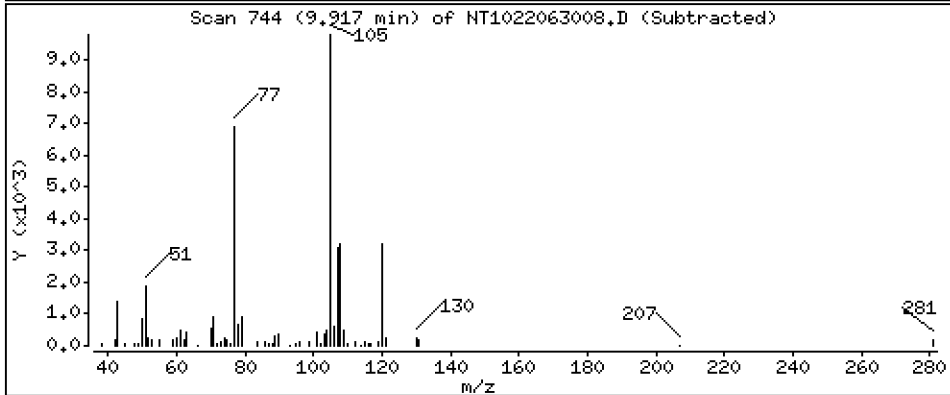
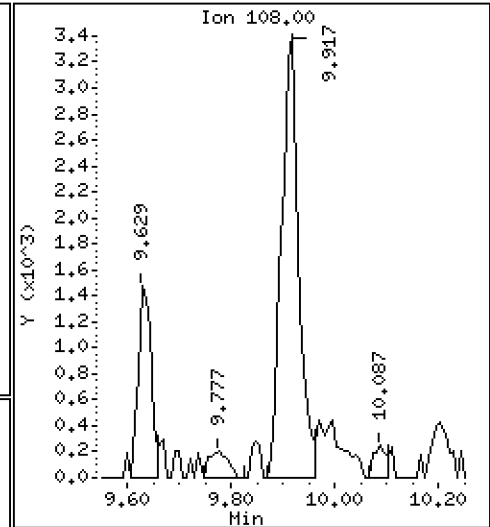
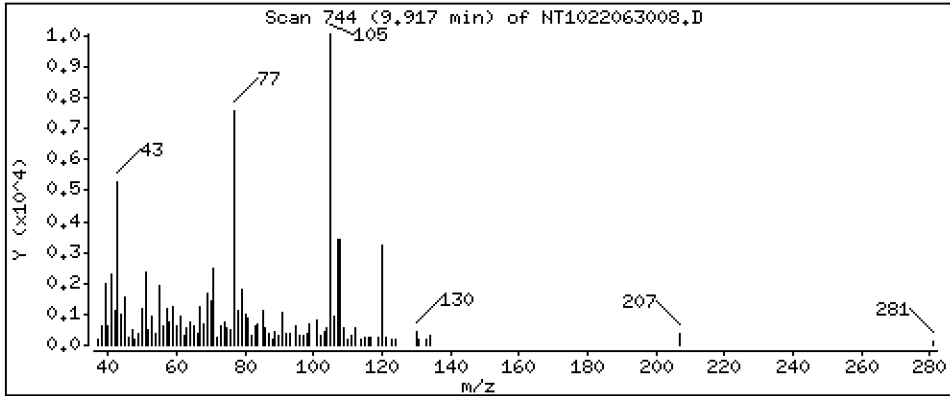
Operator: VTS

Column phase: ZB-5msi

Column diameter: 0,25

Concentration: 0,08906 ug/mL

15 4-Methylphenol



Date : 30-JUN-2022 18:05

Client ID:

Instrument: nt10.i

Sample Info: 22F0267-01

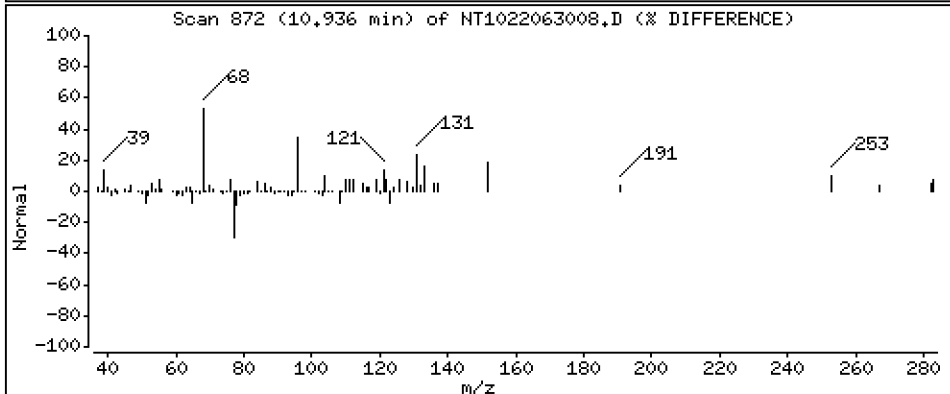
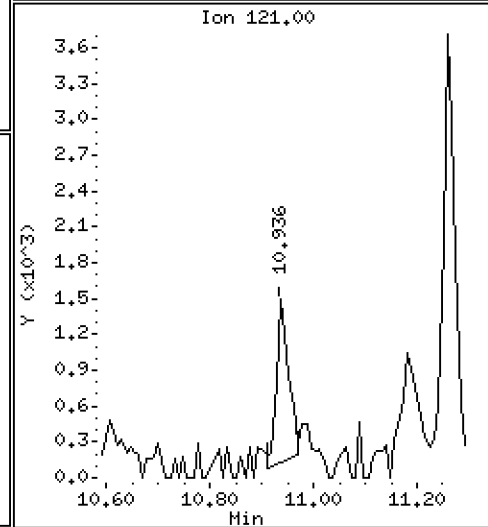
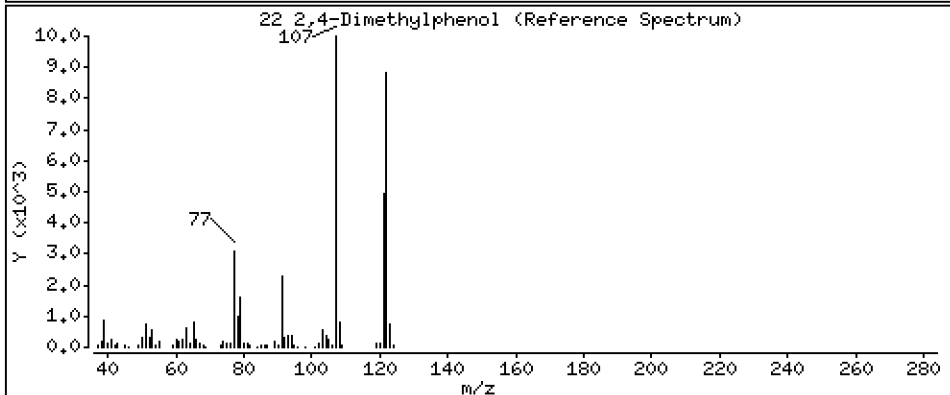
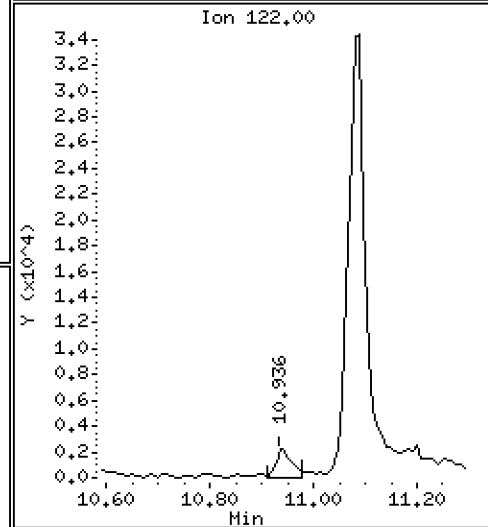
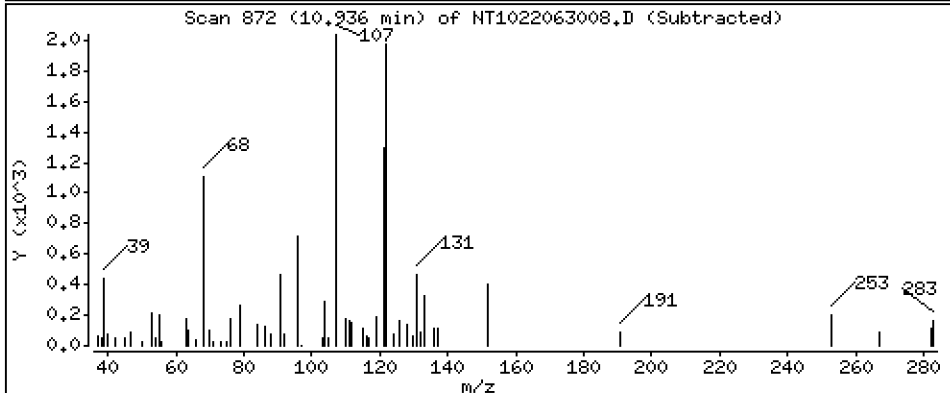
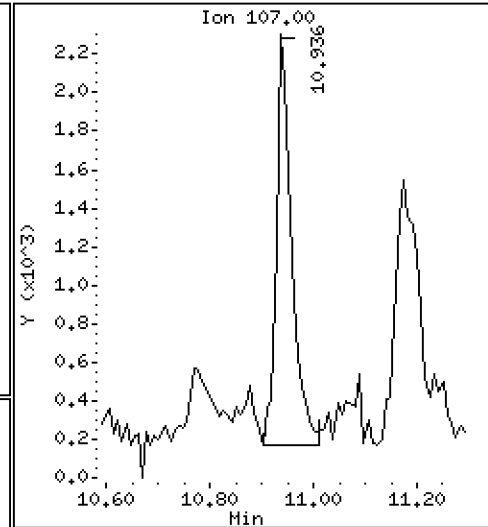
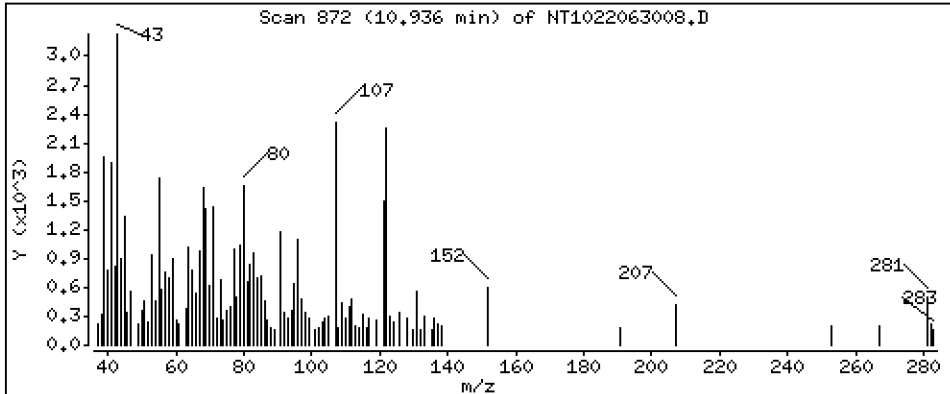
Operator: VTS

Column phase: ZB-5msi

Column diameter: 0,25

22 2,4-Dimethylphenol

Concentration: 0,05641 ug/mL



Date : 30-JUN-2022 18:05

Client ID:

Instrument: nt10.i

Sample Info: 22F0267-01

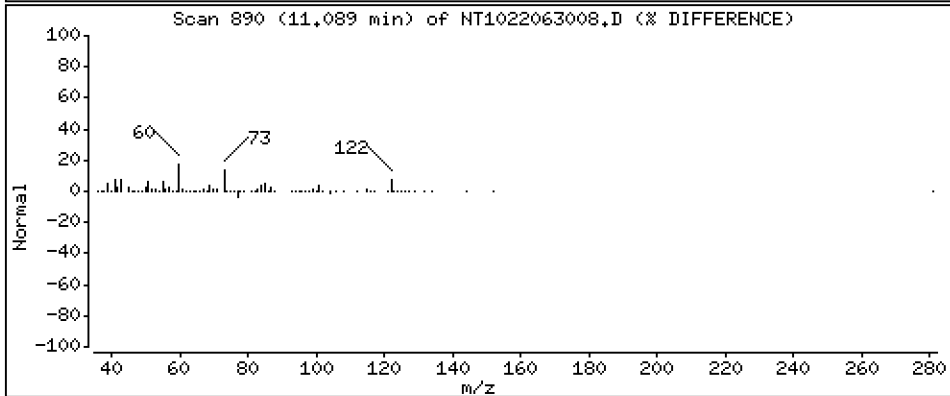
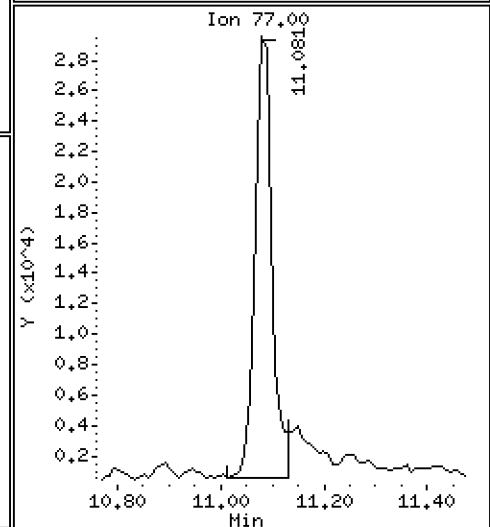
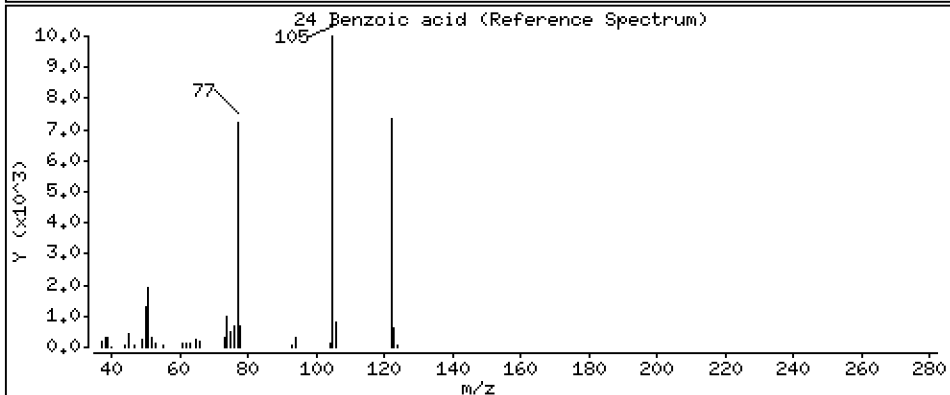
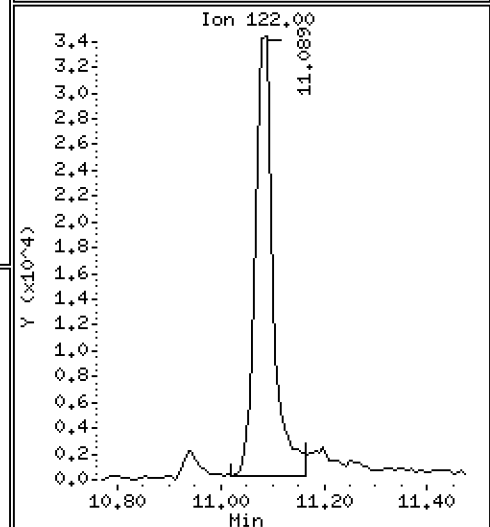
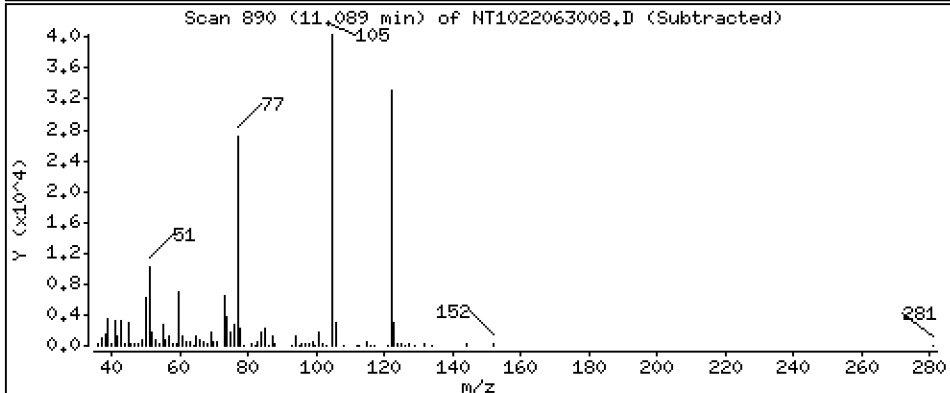
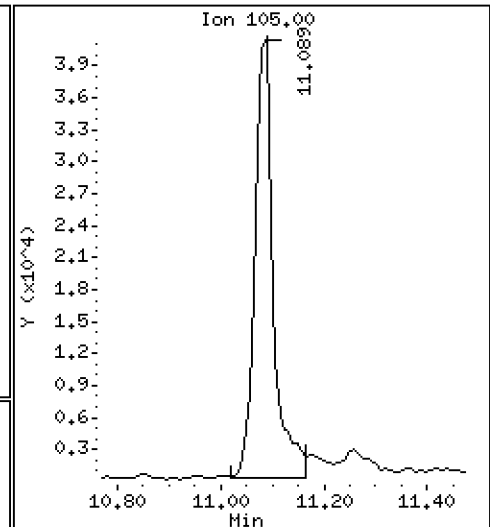
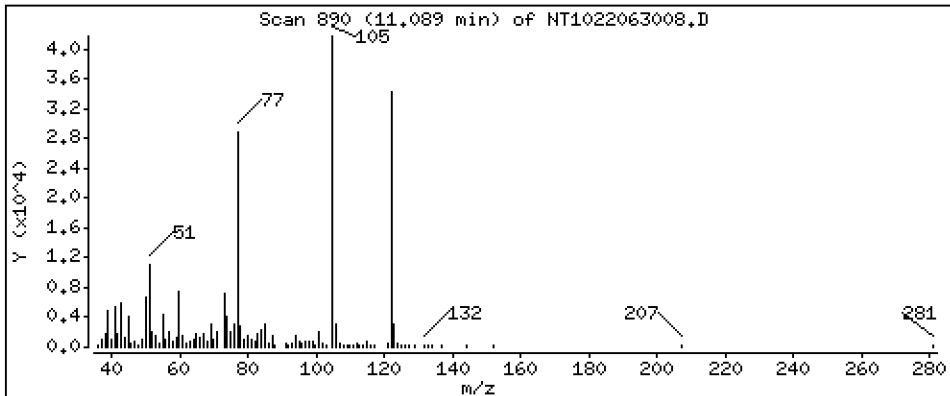
Operator: VTS

Column phase: ZB-5msi

Column diameter: 0,25

24 Benzoic acid

Concentration: 2,502 ug/mL



Date : 30-JUN-2022 18:05

Client ID:

Instrument: nt10.i

Sample Info: 22F0267-01

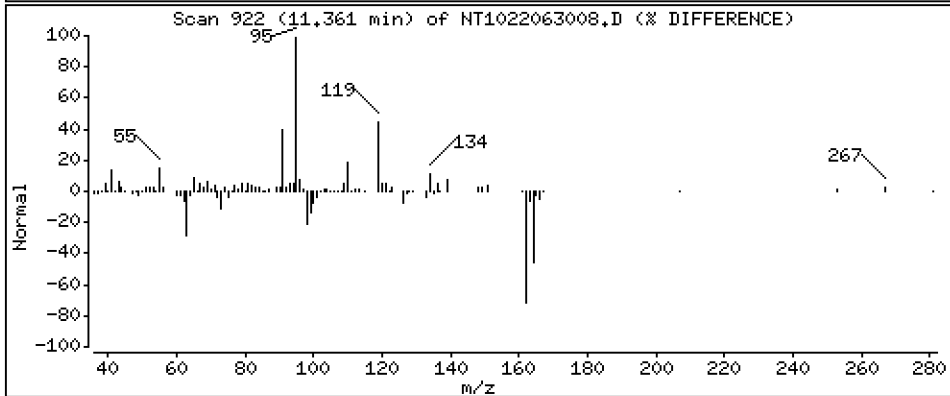
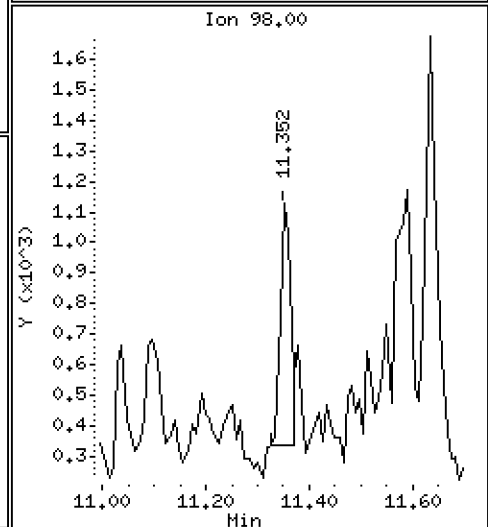
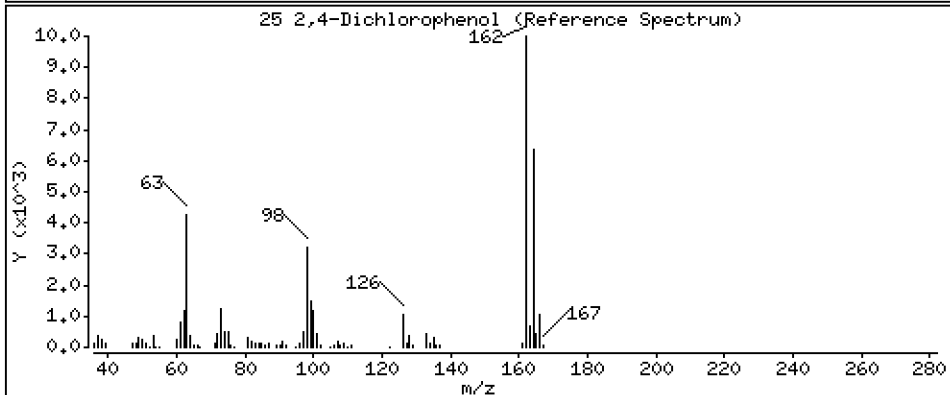
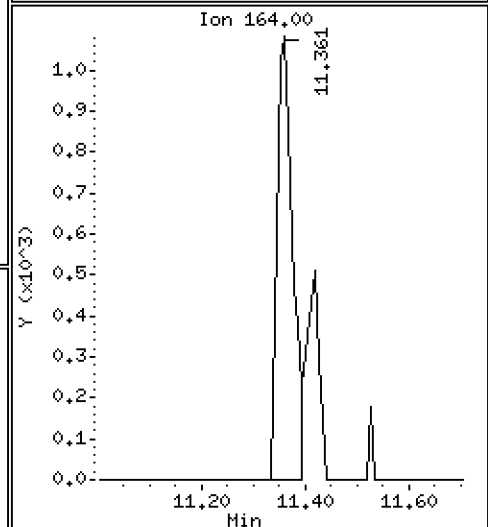
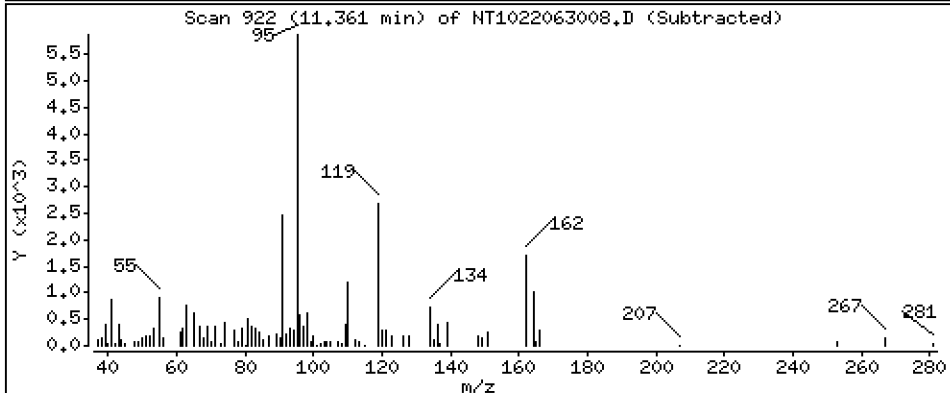
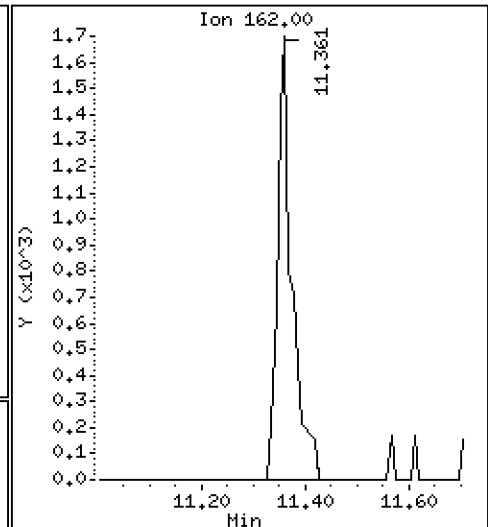
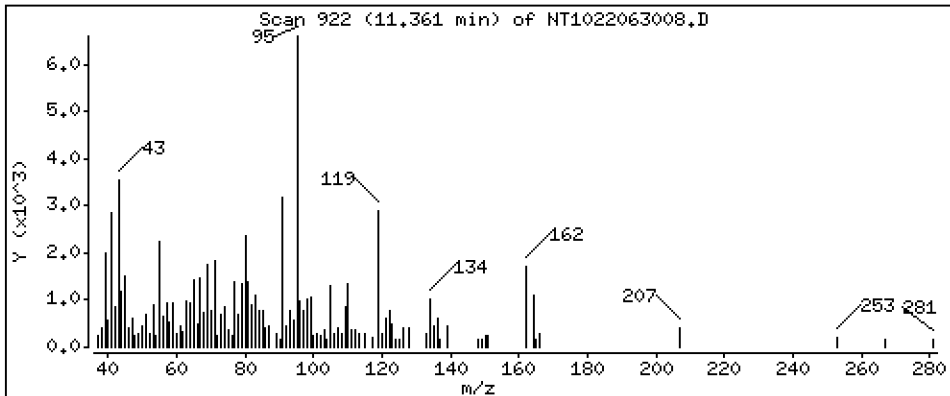
Operator: VTS

Column phase: ZB-5msi

Column diameter: 0,25

25 2,4-Dichlorophenol

Concentration: 0,04680 ug/mL



Date : 30-JUN-2022 18:05

Client ID:

Instrument: nt10.i

Sample Info: 22F0267-01

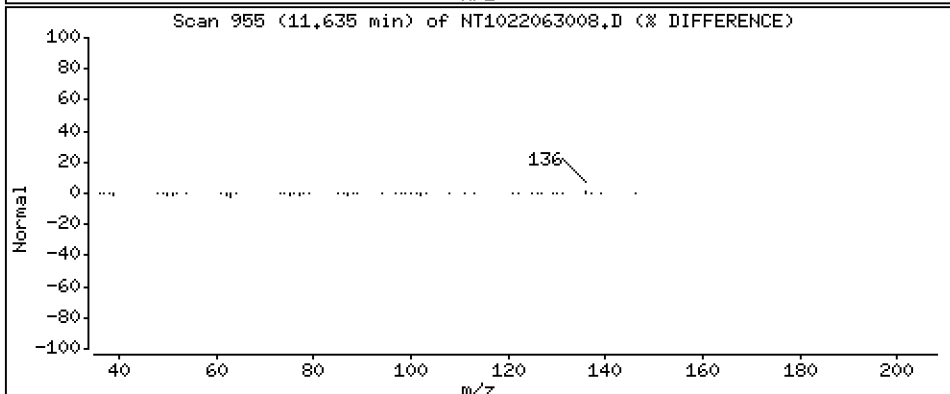
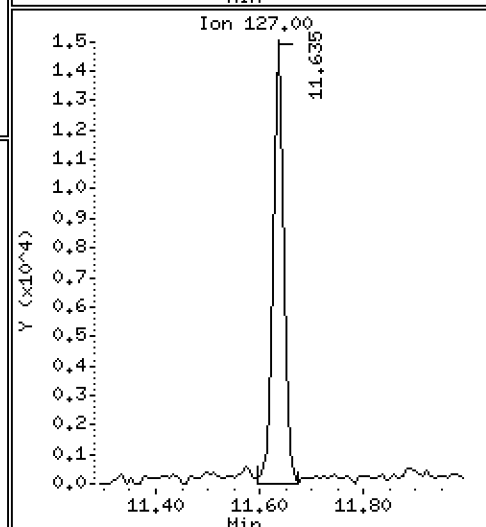
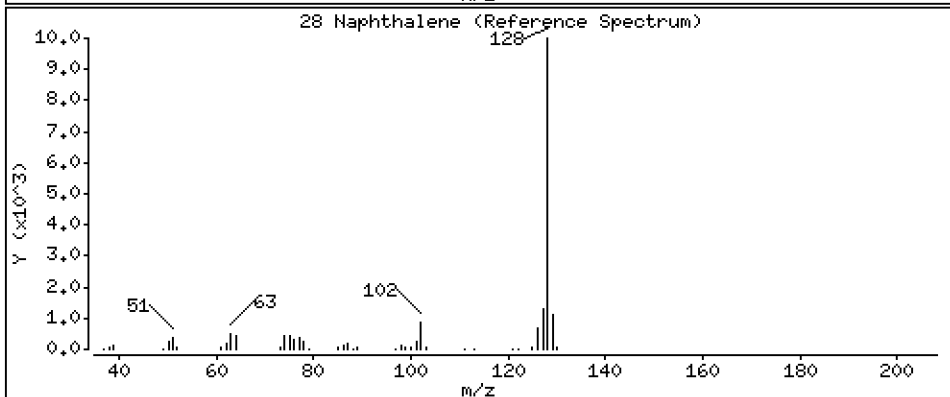
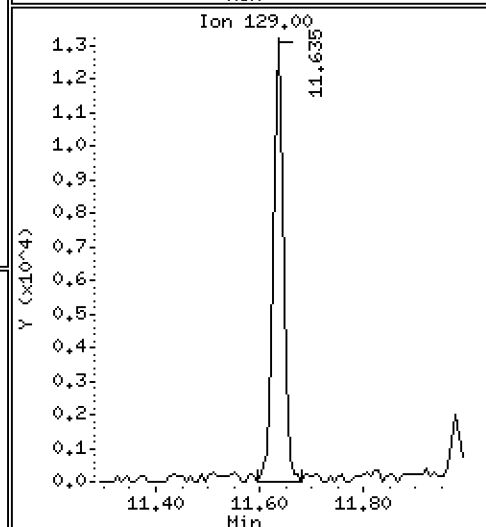
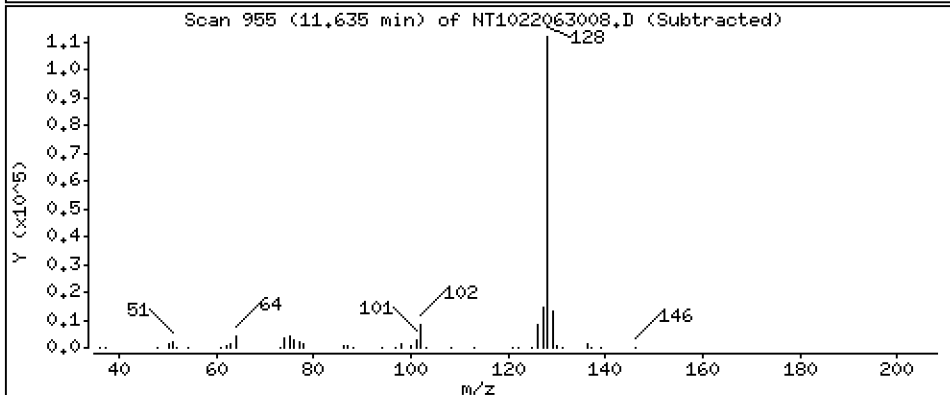
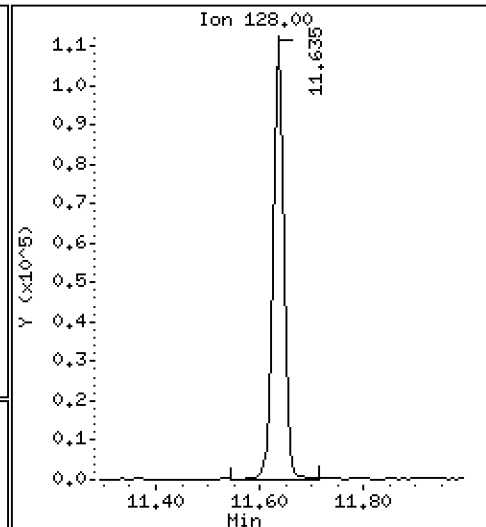
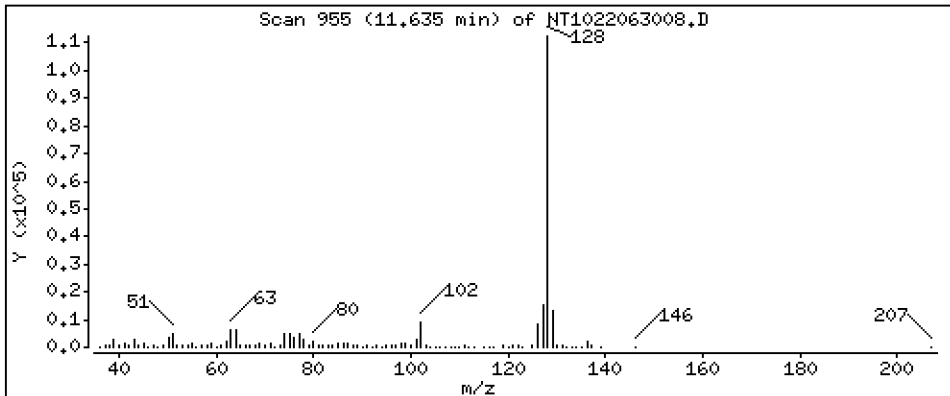
Operator: VTS

Column phase: ZB-5msi

Column diameter: 0,25

28 Naphthalene

Concentration: 0,6721 ug/mL



Date : 30-JUN-2022 18:05

Client ID:

Instrument: nt10.i

Sample Info: 22F0267-01

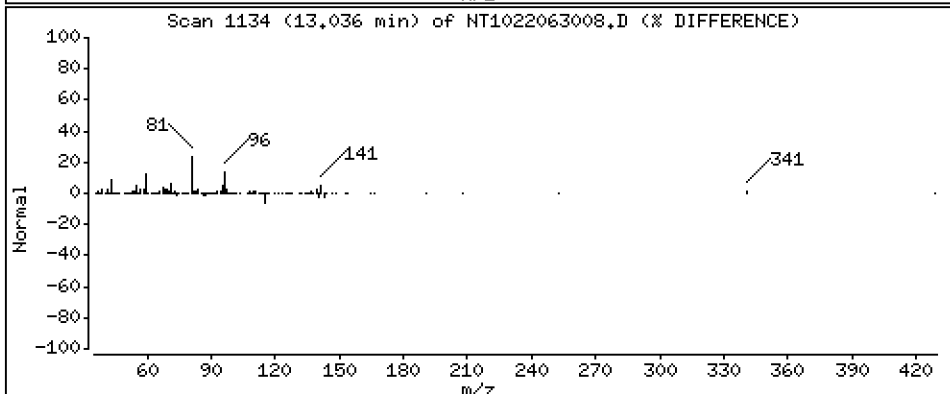
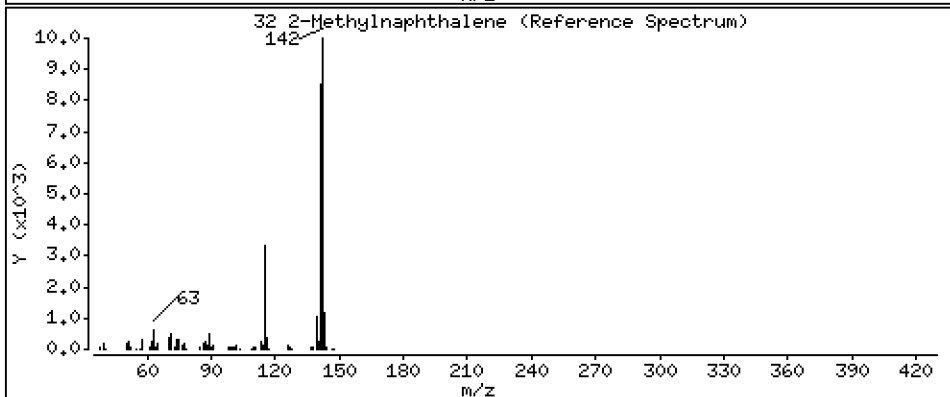
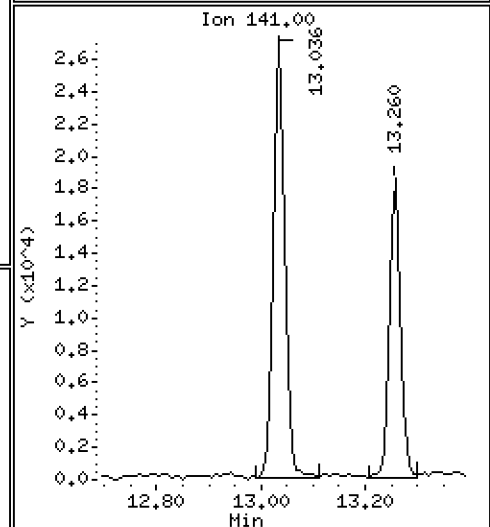
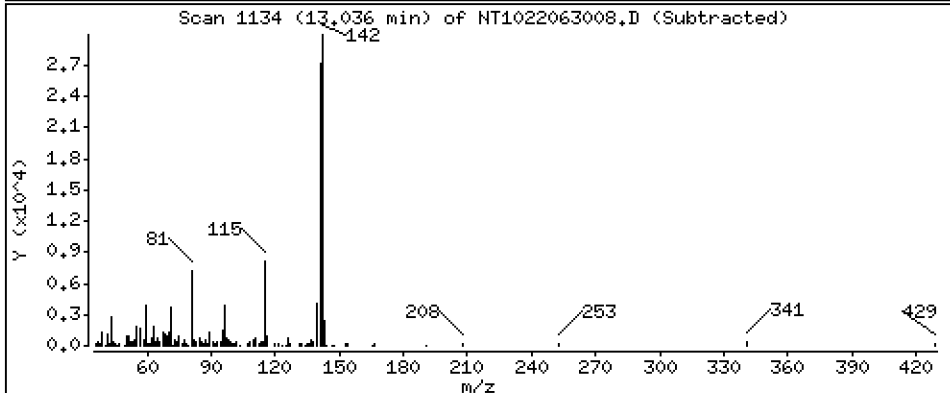
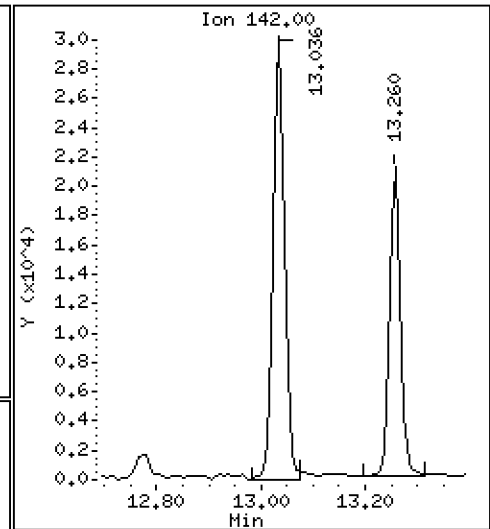
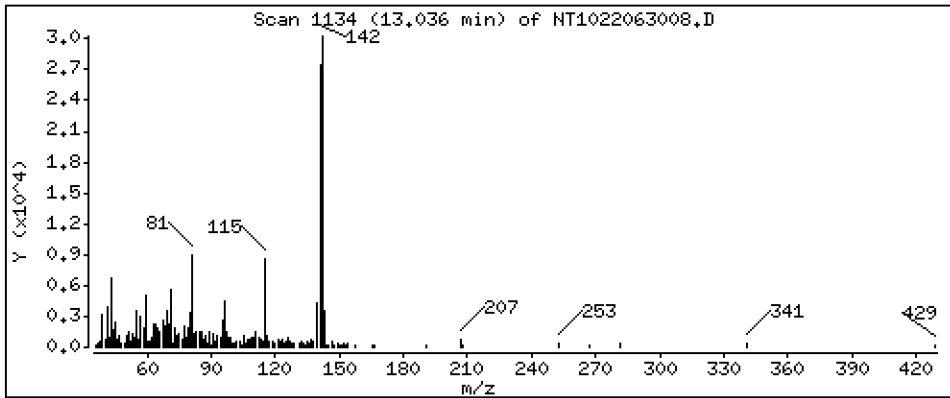
Operator: VTS

Column phase: ZB-5msi

Column diameter: 0,25

32 2-Methylnaphthalene

Concentration: 0,1845 ug/mL



Date : 30-JUN-2022 18:05

Client ID:

Instrument: nt10.i

Sample Info: 22F0267-01

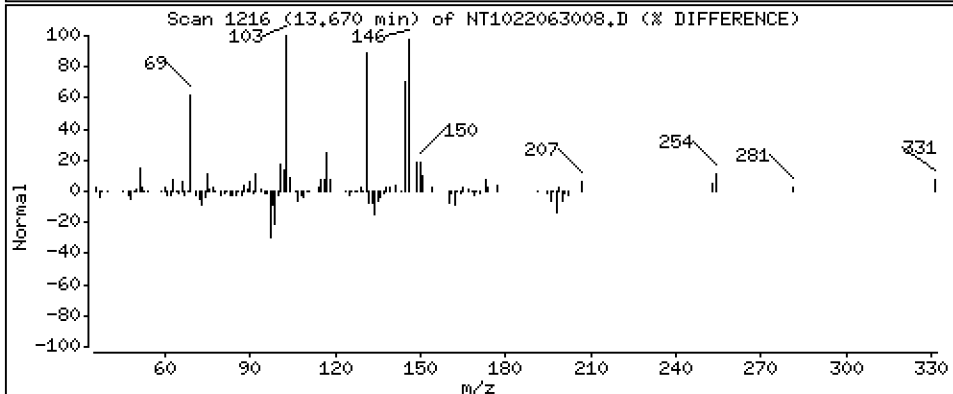
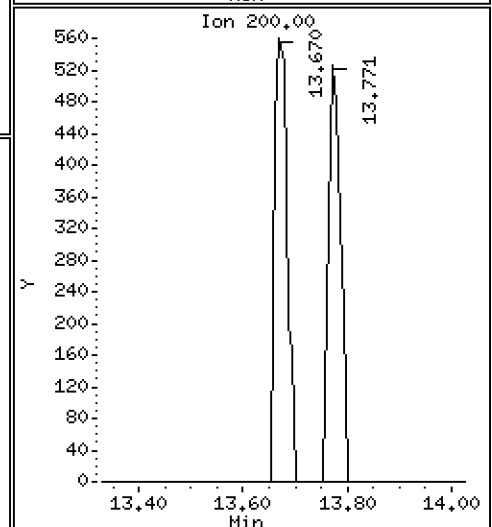
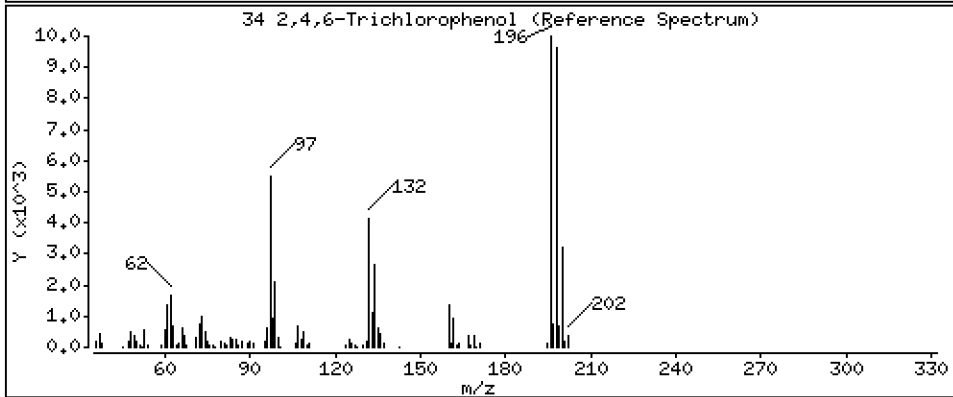
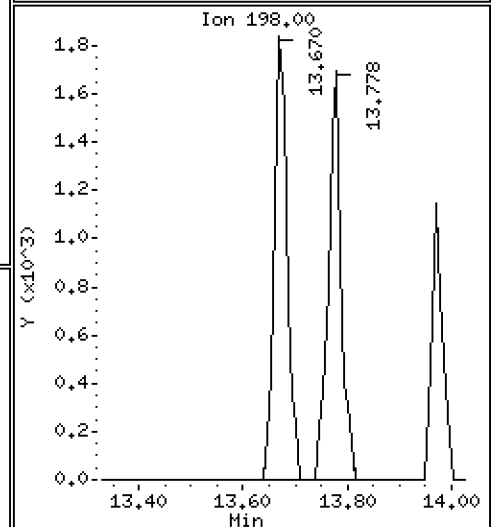
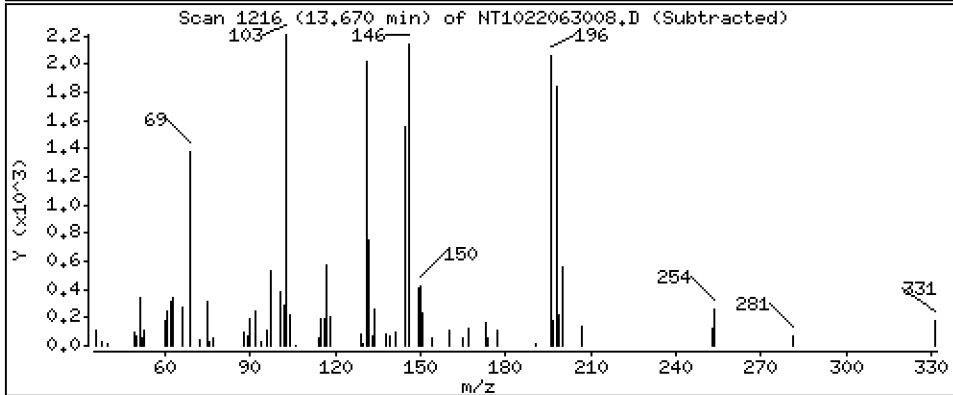
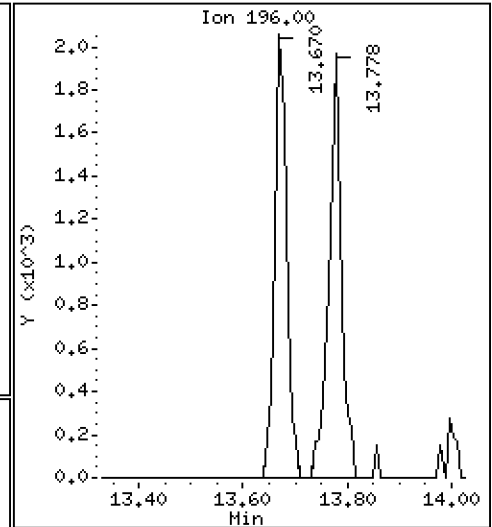
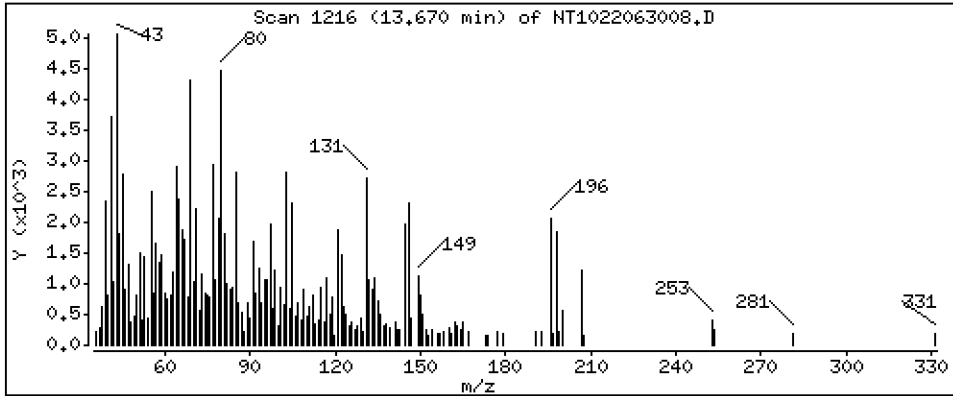
Operator: VTS

Column phase: ZB-5msi

Column diameter: 0.25

34 2,4,6-Trichlorophenol

Concentration: 0.05379 ug/mL



Date : 30-JUN-2022 18:05

Client ID:

Instrument: nt10.i

Sample Info: 22F0267-01

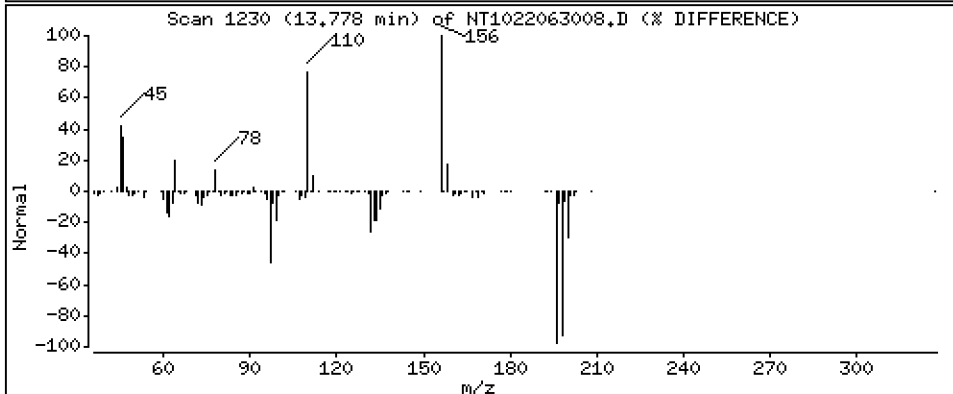
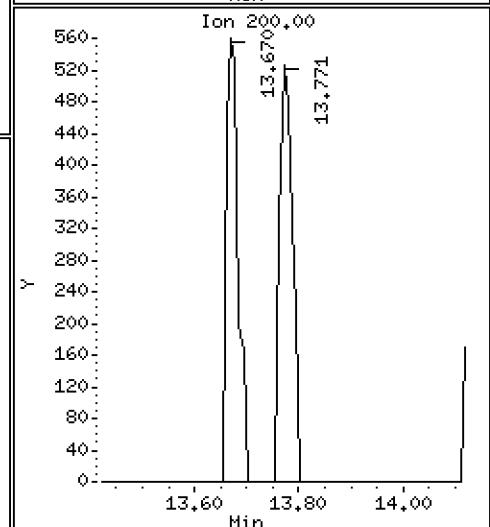
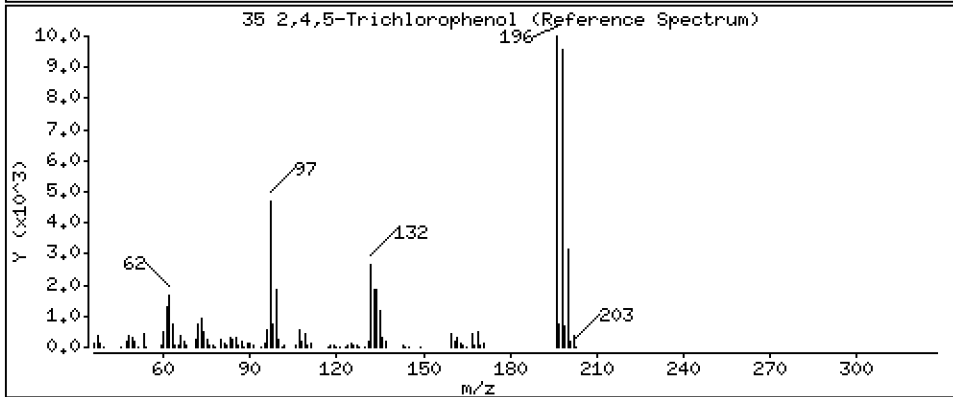
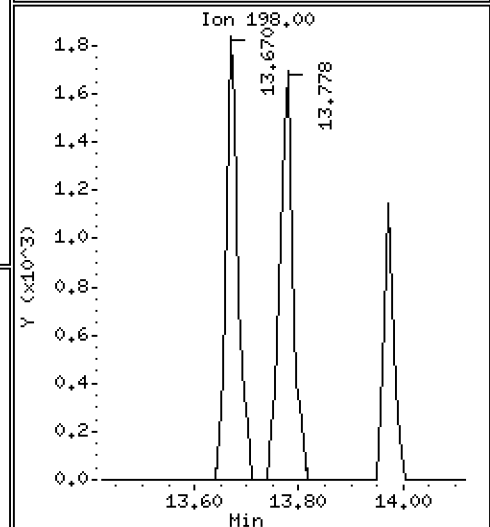
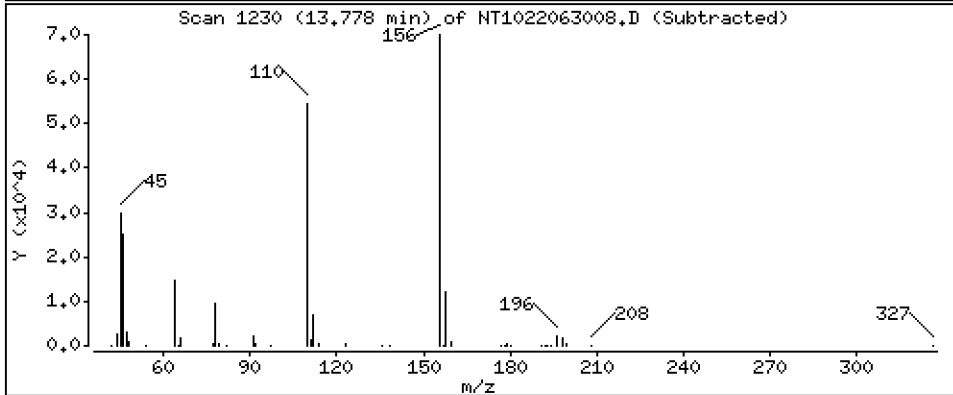
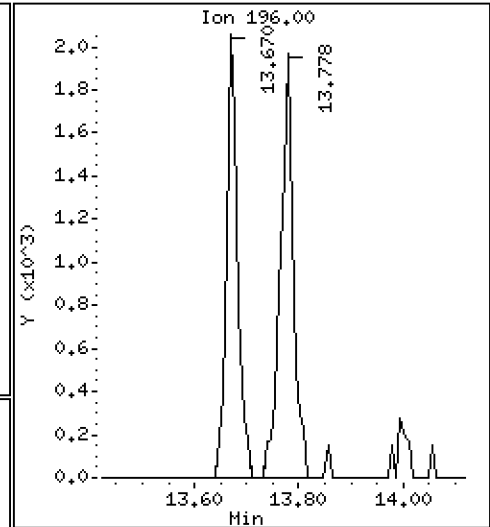
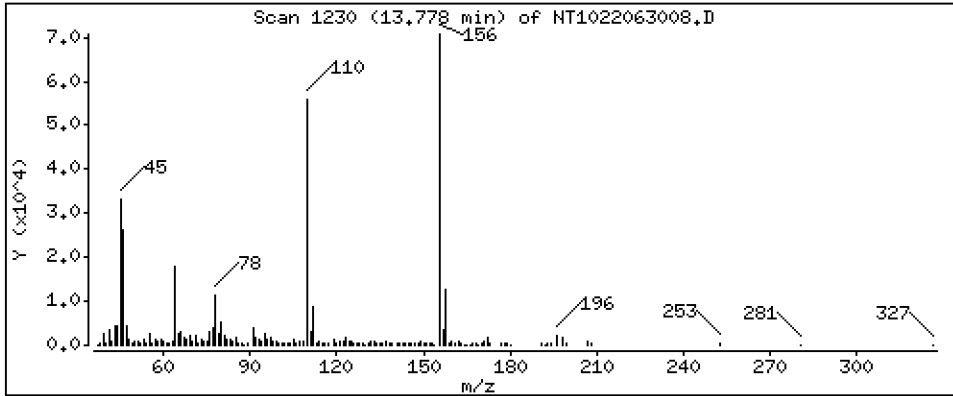
Operator: VTS

Column phase: ZB-5msi

Column diameter: 0.25

35 2,4,5-Trichlorophenol

Concentration: 0.04855 ug/mL



Date : 30-JUN-2022 18:05

Client ID:

Instrument: nt10.i

Sample Info: 22F0267-01

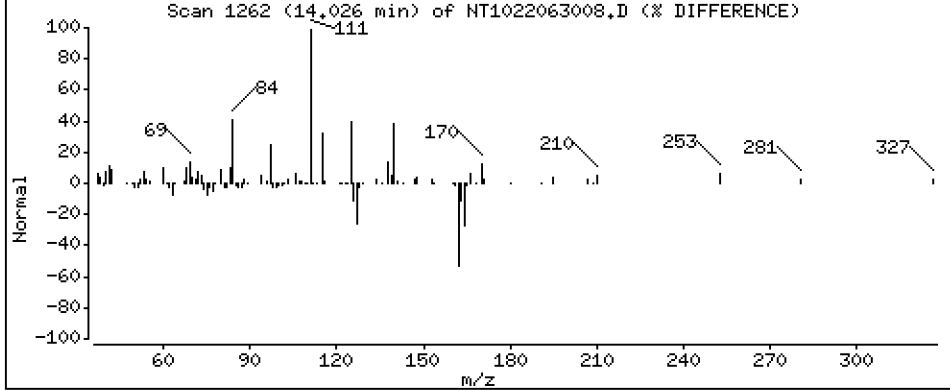
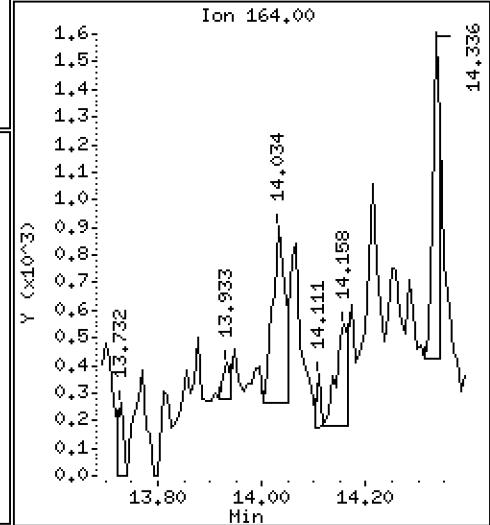
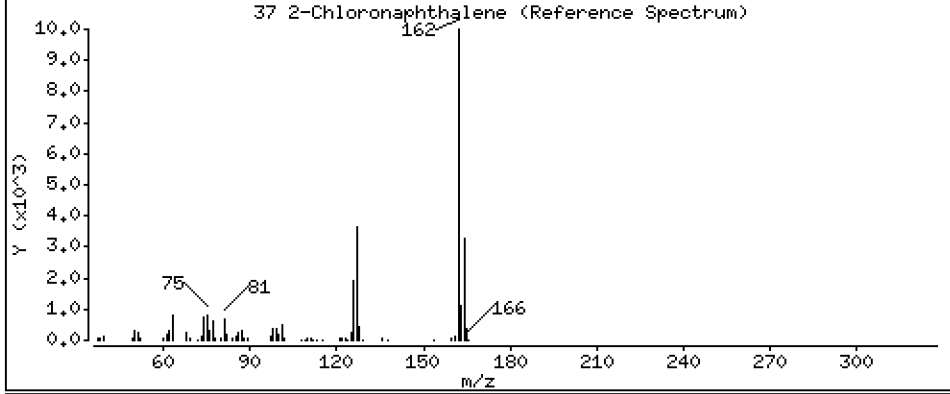
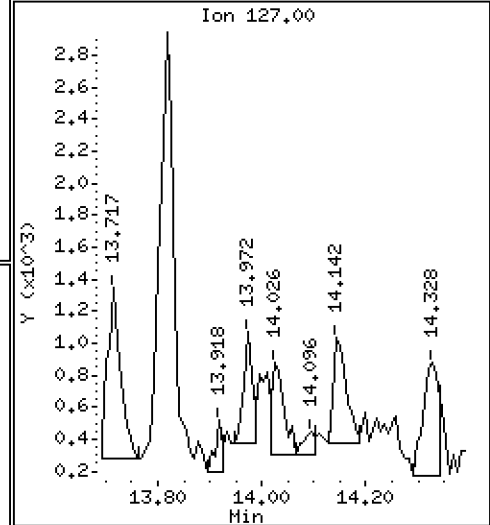
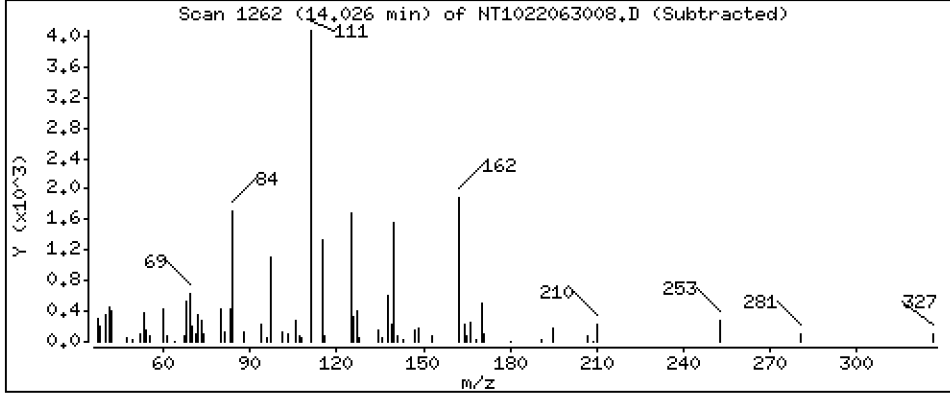
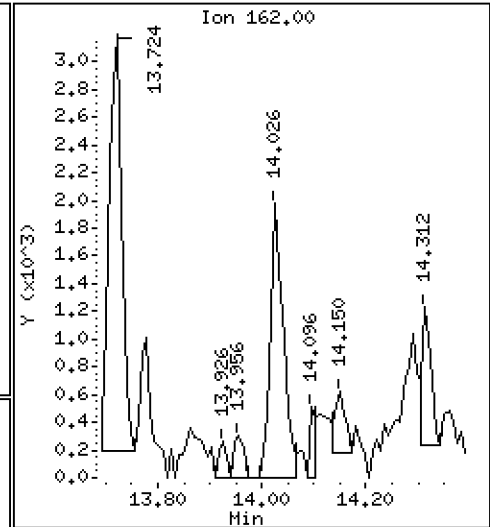
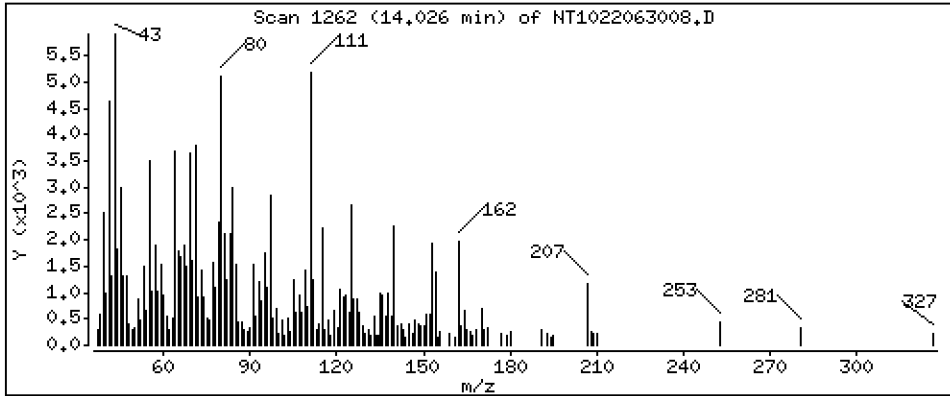
Operator: VTS

Column phase: ZB-5msi

Column diameter: 0.25

37 2-Chloronaphthalene

Concentration: 0.01668 ug/mL



Date : 30-JUN-2022 18:05

Client ID:

Instrument: nt10.i

Sample Info: 22F0267-01

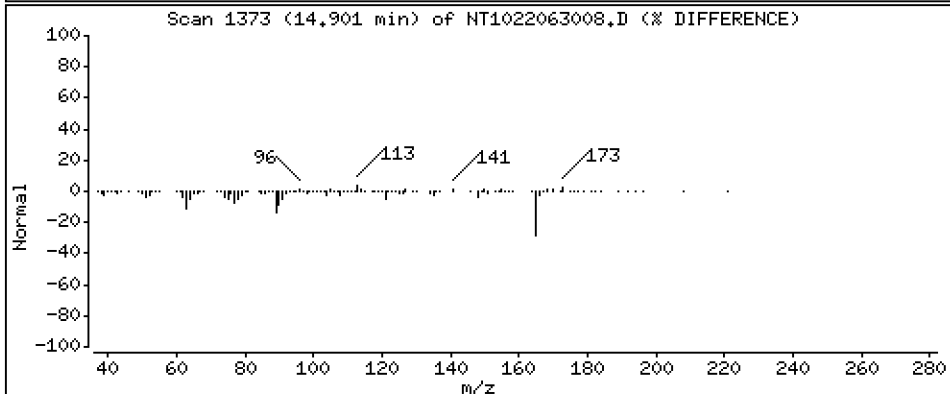
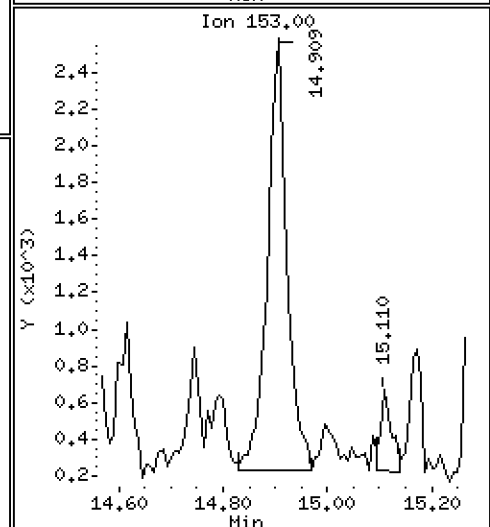
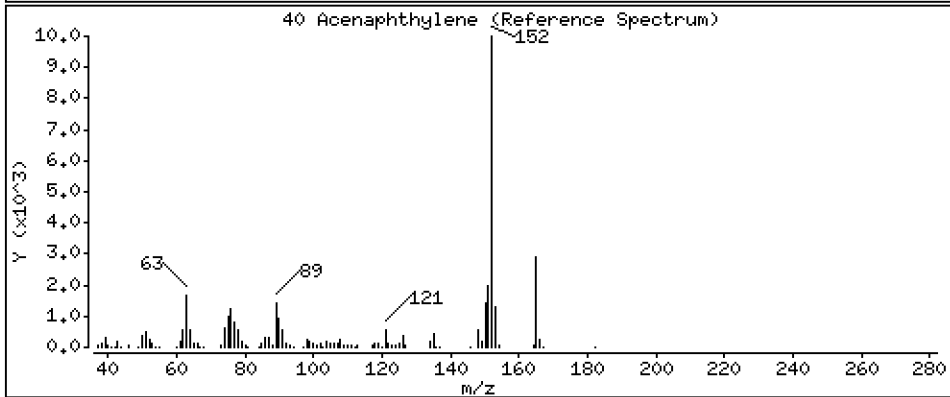
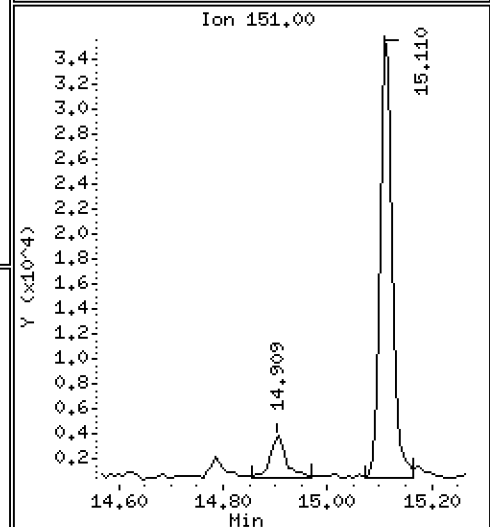
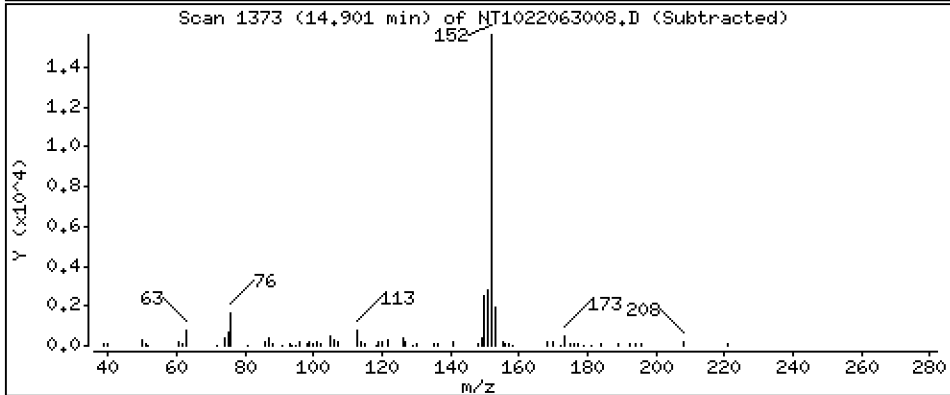
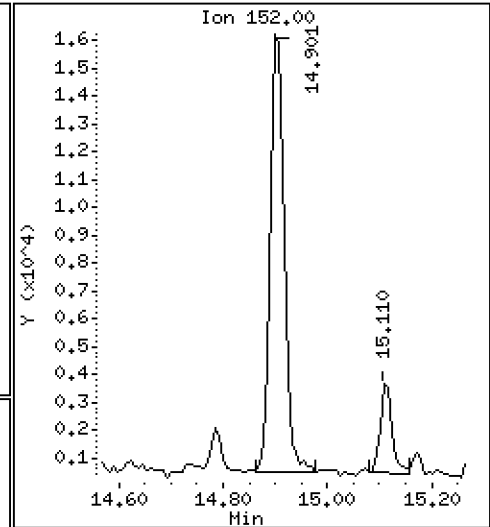
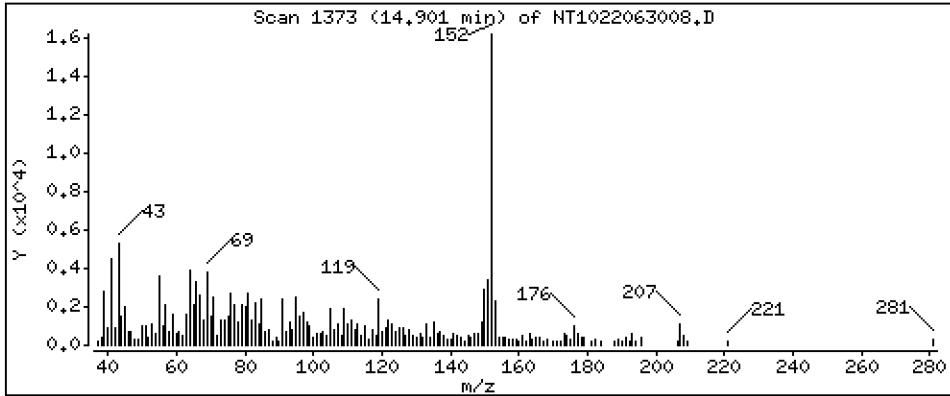
Operator: VTS

Column phase: ZB-5msi

Column diameter: 0.25

40 Acenaphthylene

Concentration: 0.09670 ug/mL



Date : 30-JUN-2022 18:05

Client ID:

Instrument: nt10.i

Sample Info: 22F0267-01

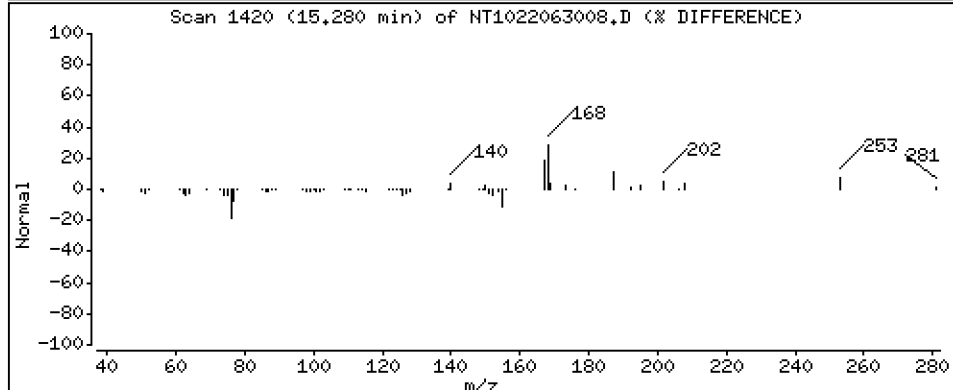
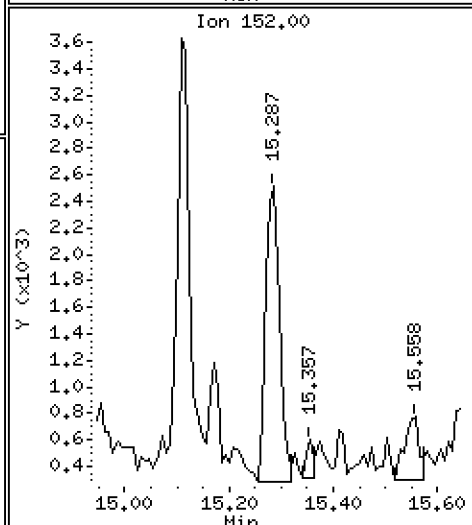
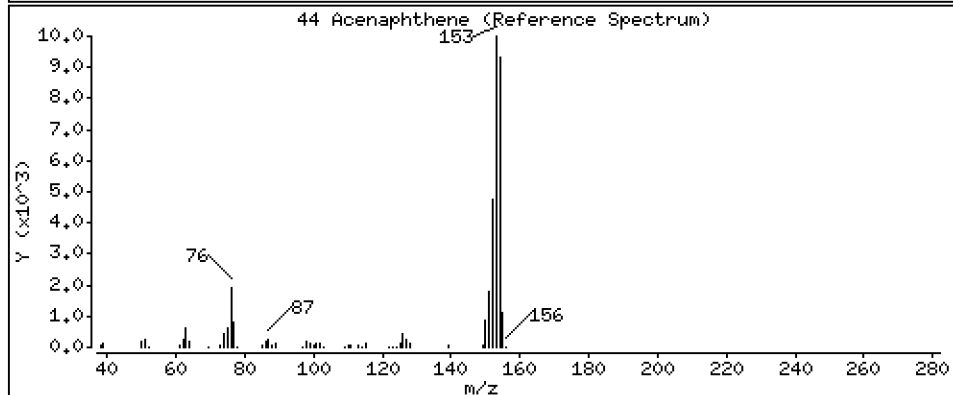
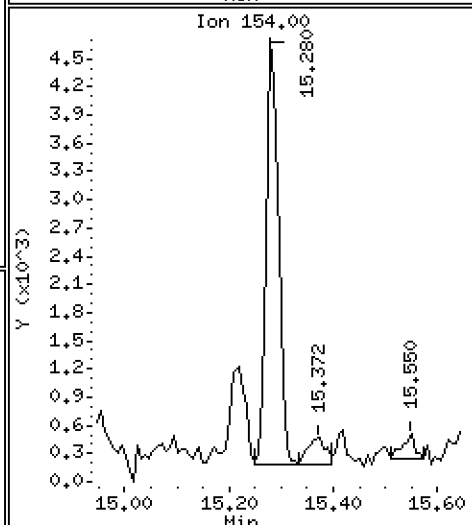
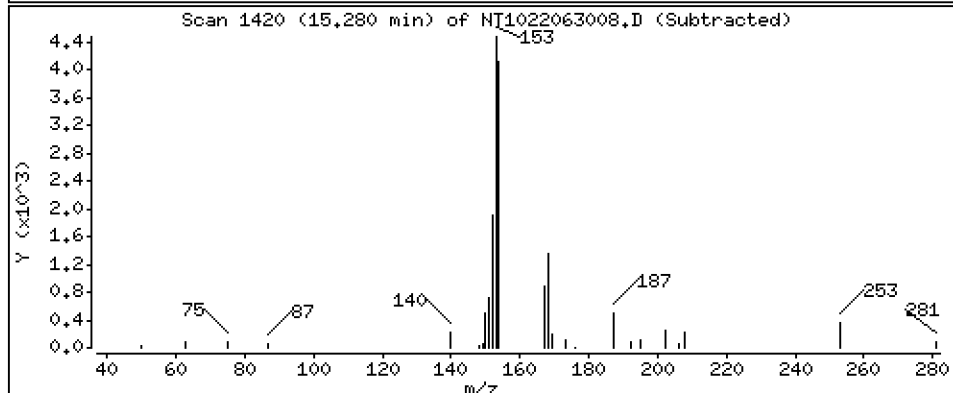
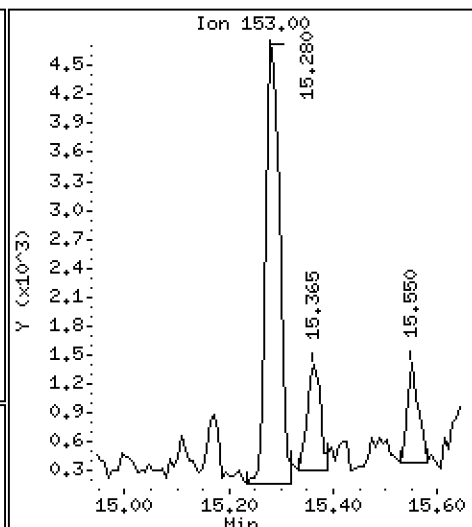
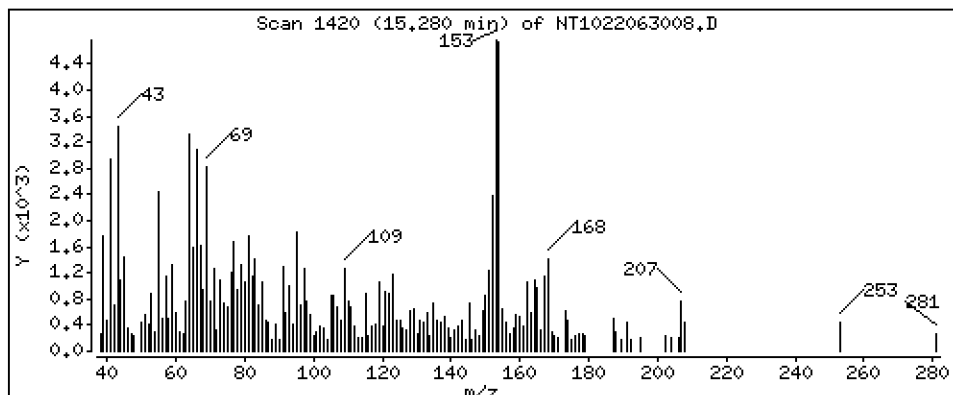
Operator: VTS

Column phase: ZB-5msi

Column diameter: 0.25

44 Acenaphthene

Concentration: 0.05564 ug/mL



Date : 30-JUN-2022 18:05

Client ID:

Instrument: nt10.i

Sample Info: 22F0267-01

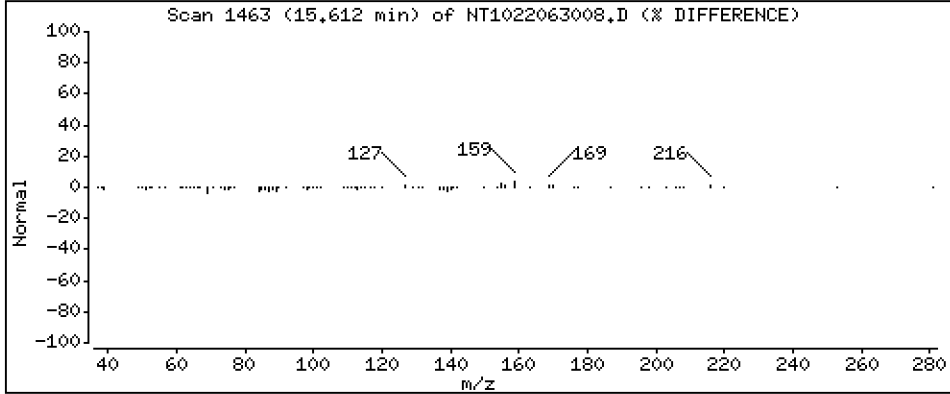
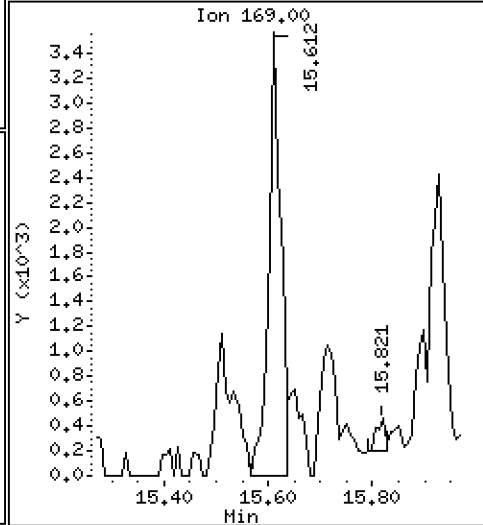
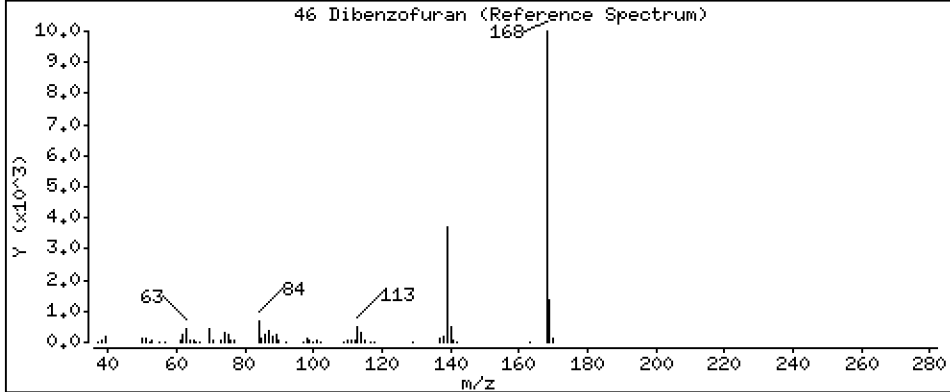
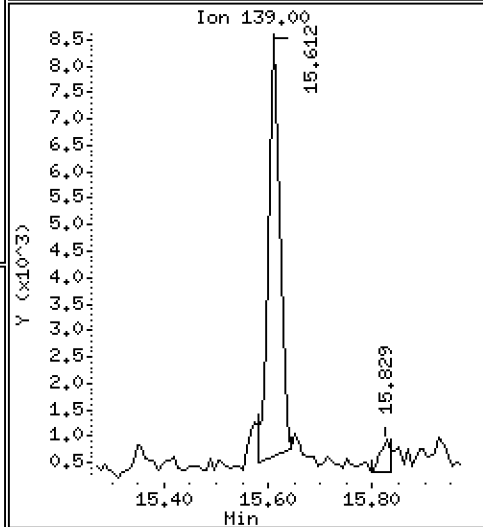
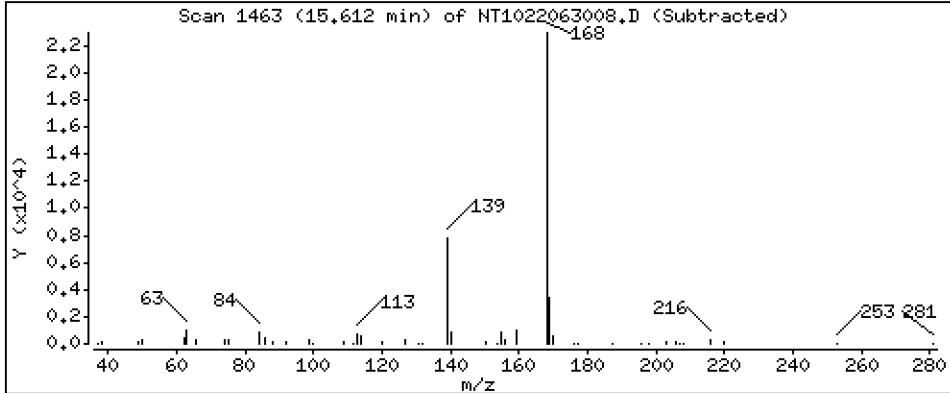
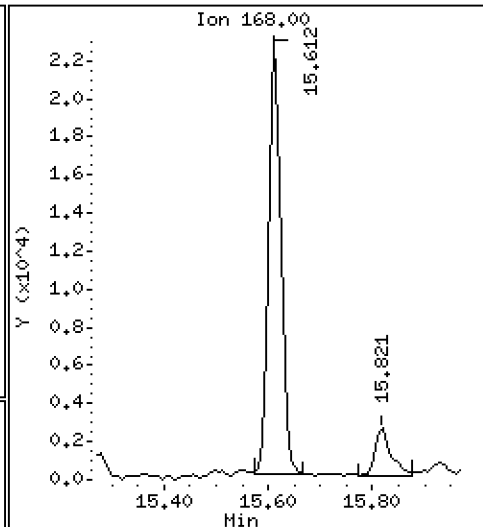
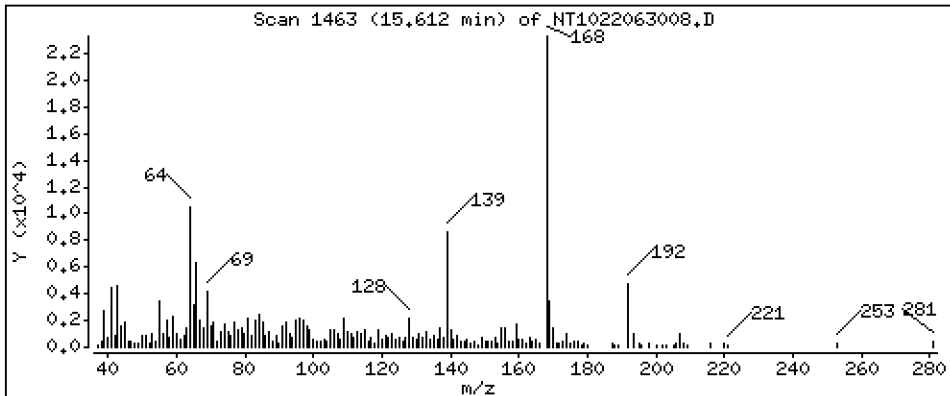
Operator: VTS

Column phase: ZB-5msi

Column diameter: 0,25

46 Dibenzofuran

Concentration: 0,1567 ug/mL



Date : 30-JUN-2022 18:05

Client ID:

Instrument: nt10.i

Sample Info: 22F0267-01

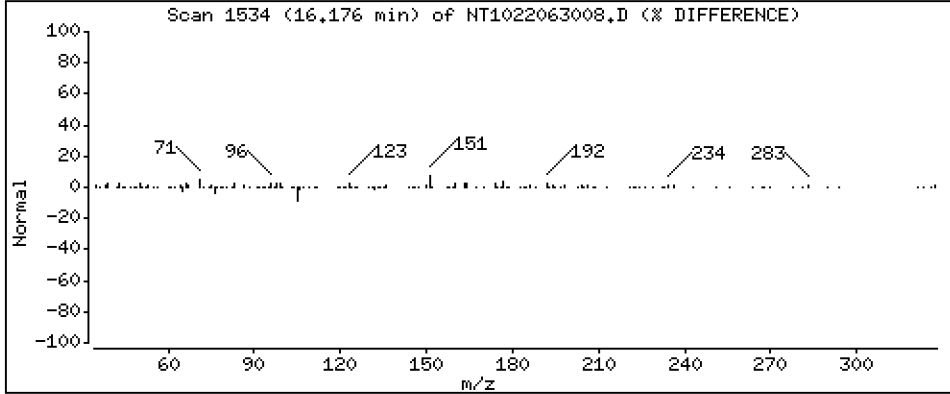
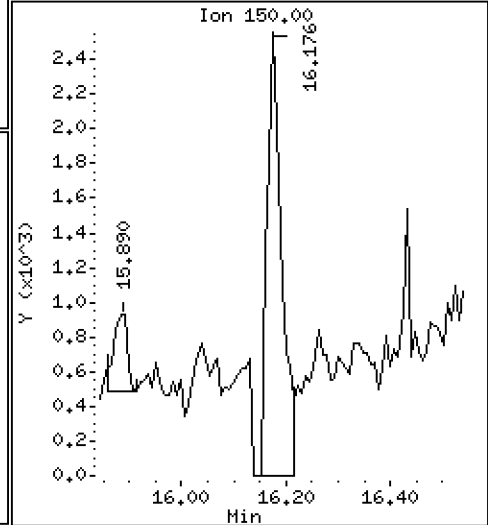
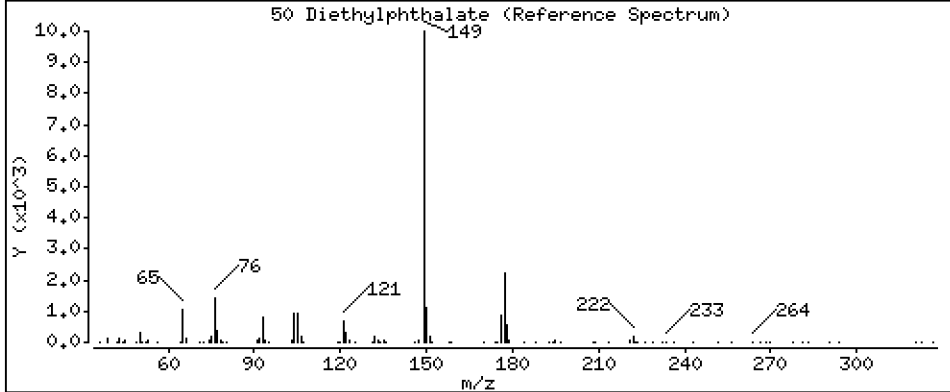
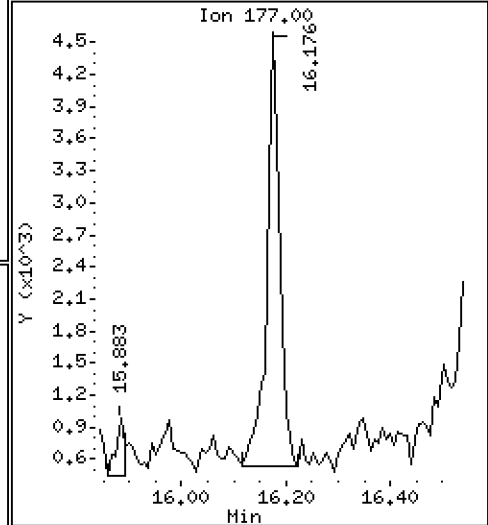
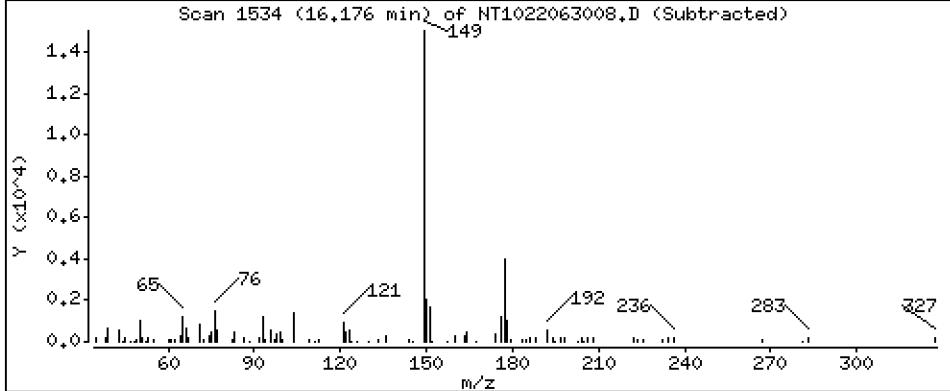
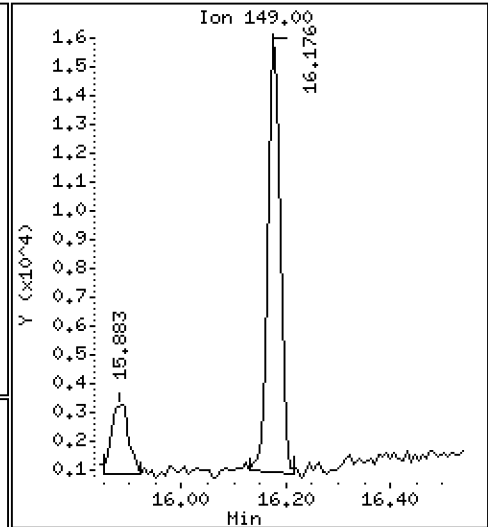
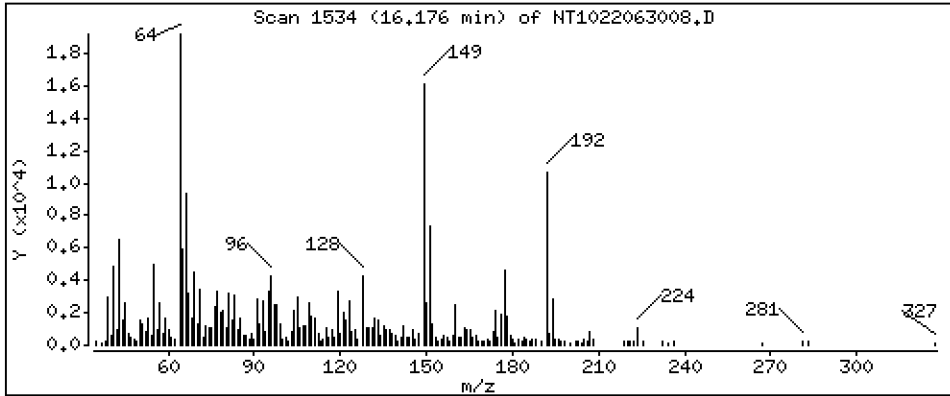
Operator: VTS

Column phase: ZB-5msi

Column diameter: 0.25

50 Diethylphthalate

Concentration: 0.1596 ug/mL



Date : 30-JUN-2022 18:05

Client ID:

Instrument: nt10.i

Sample Info: 22F0267-01

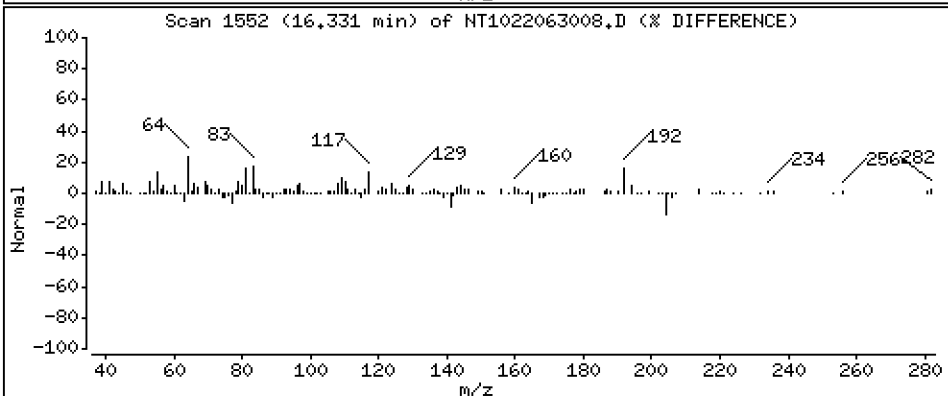
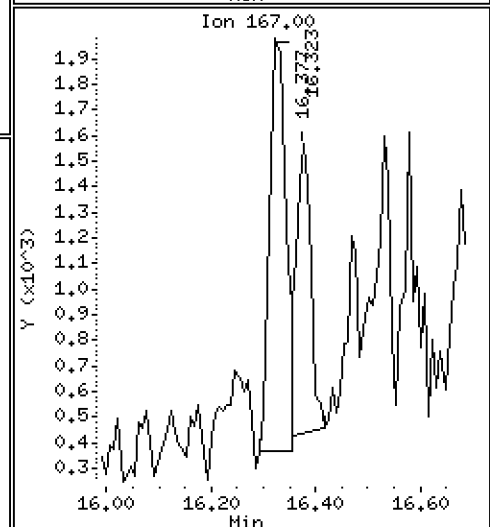
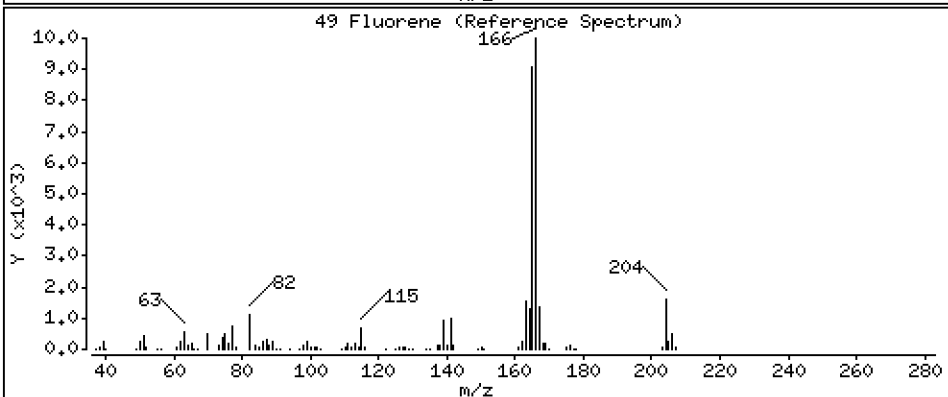
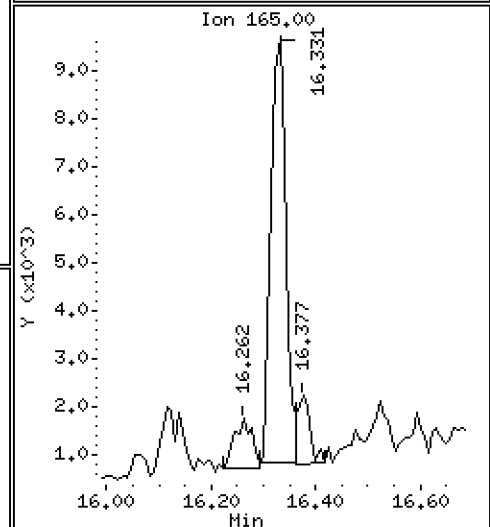
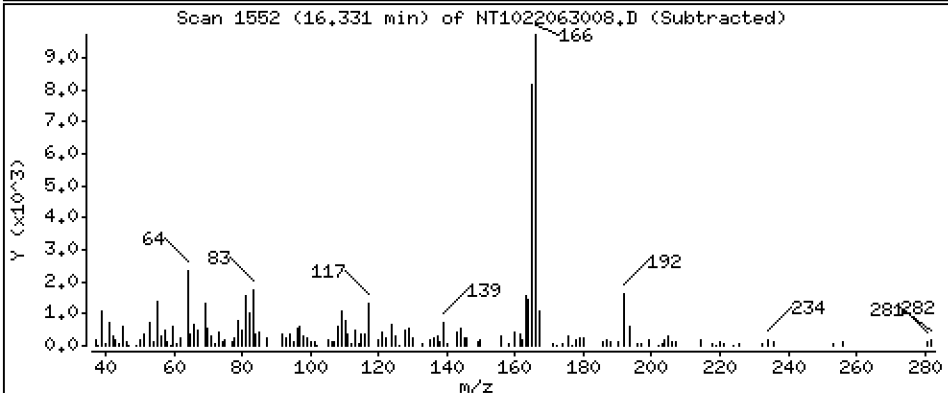
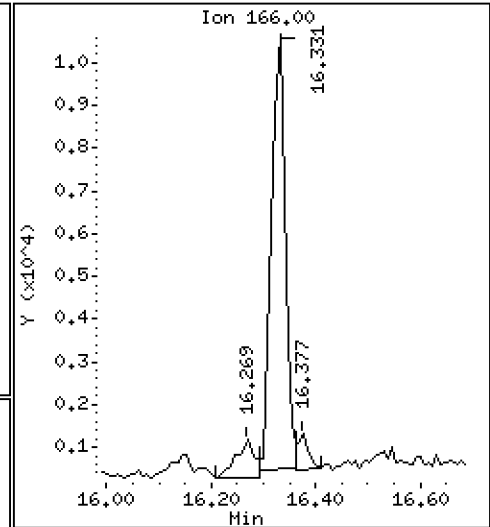
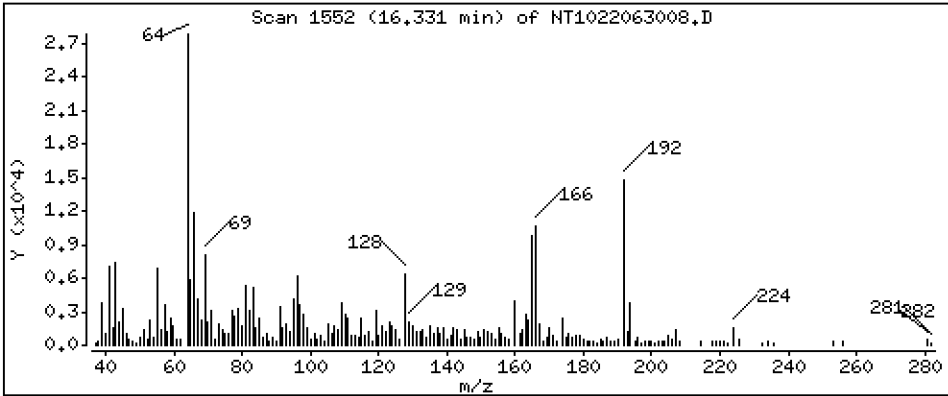
Operator: VTS

Column phase: ZB-5msi

Column diameter: 0.25

49 Fluorene

Concentration: 0.06445 ug/mL



Date : 30-JUN-2022 18:05

Client ID:

Instrument: nt10.i

Sample Info: 22F0267-01

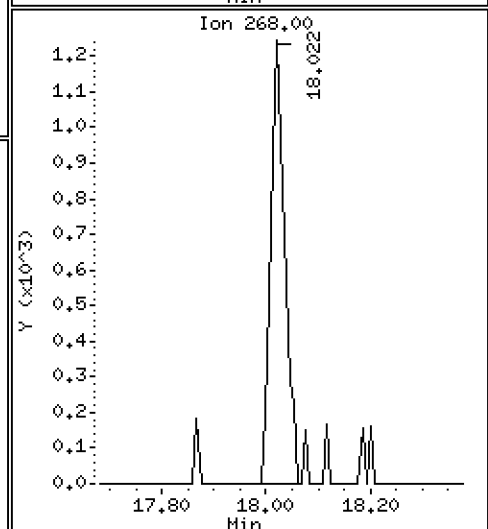
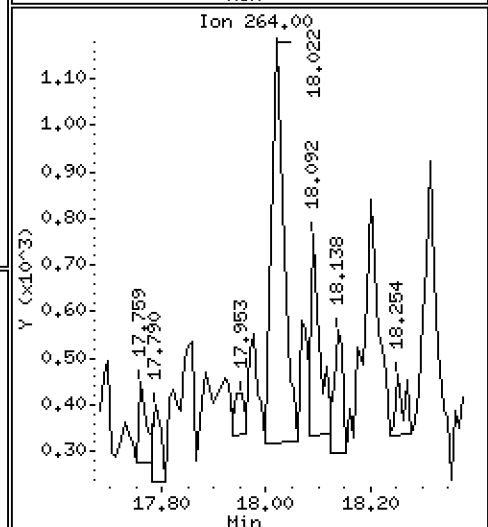
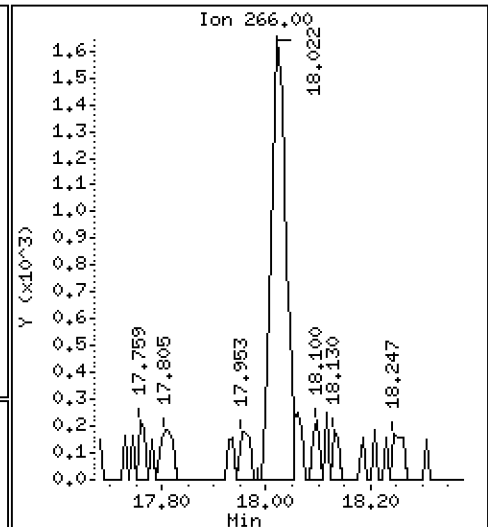
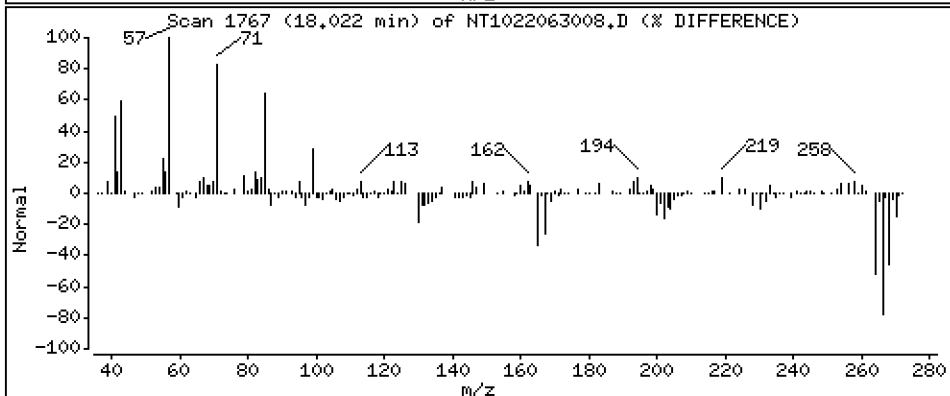
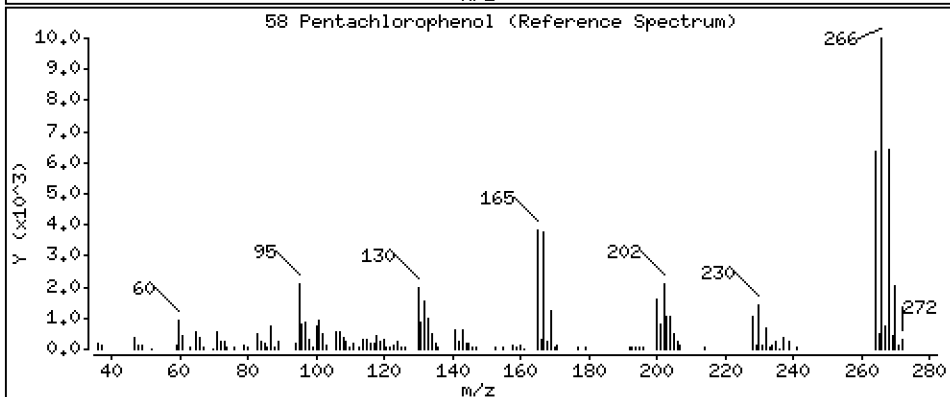
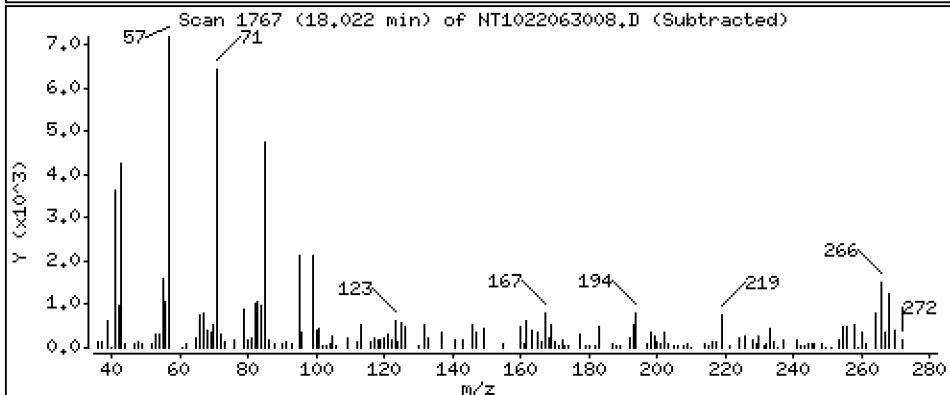
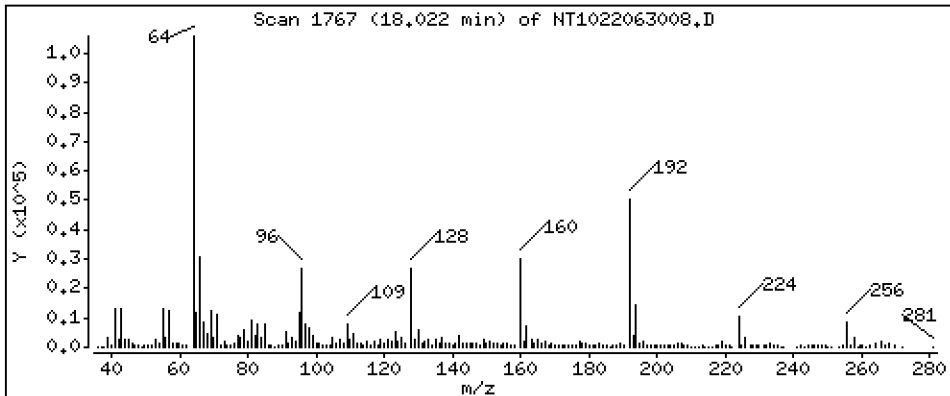
Operator: VTS

Column phase: ZB-5msi

Column diameter: 0,25

58 Pentachlorophenol

Concentration: 0,2640 ug/mL



Date : 30-JUN-2022 18:05

Client ID:

Instrument: nt10.i

Sample Info: 22F0267-01

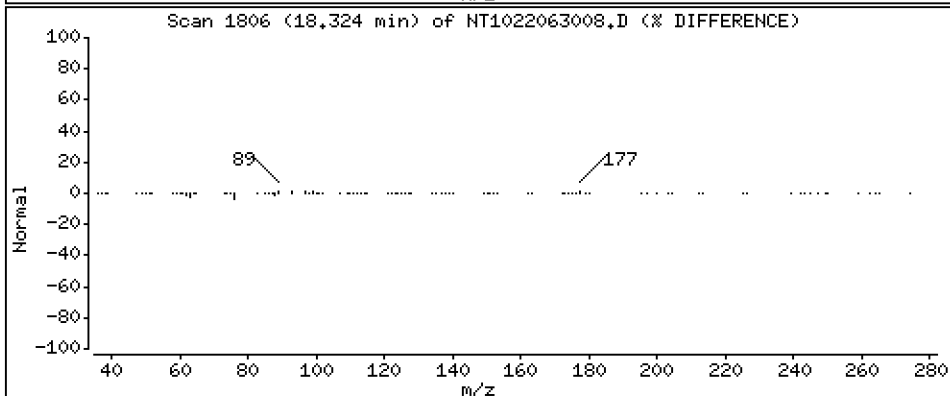
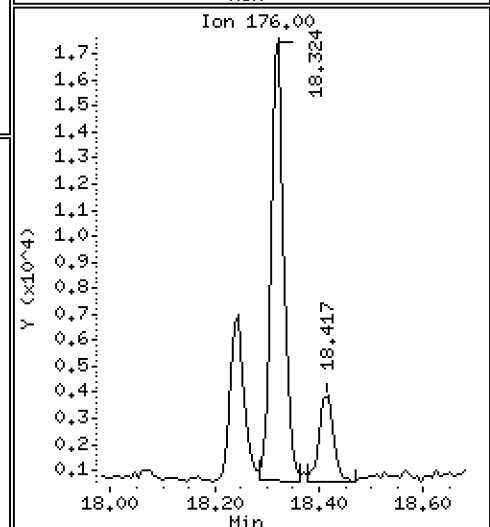
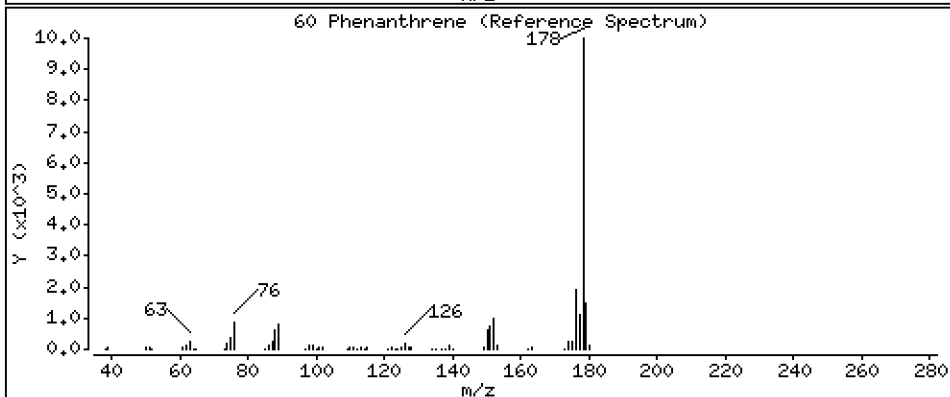
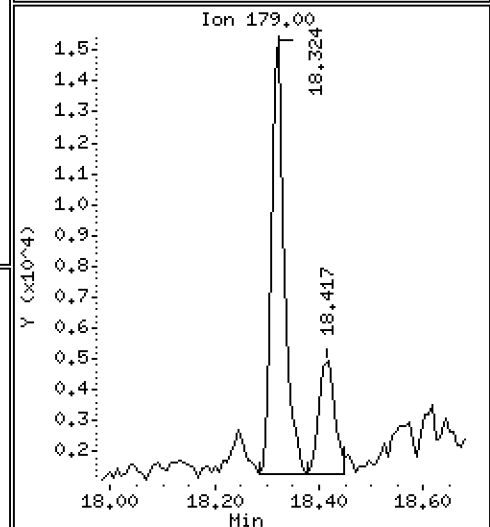
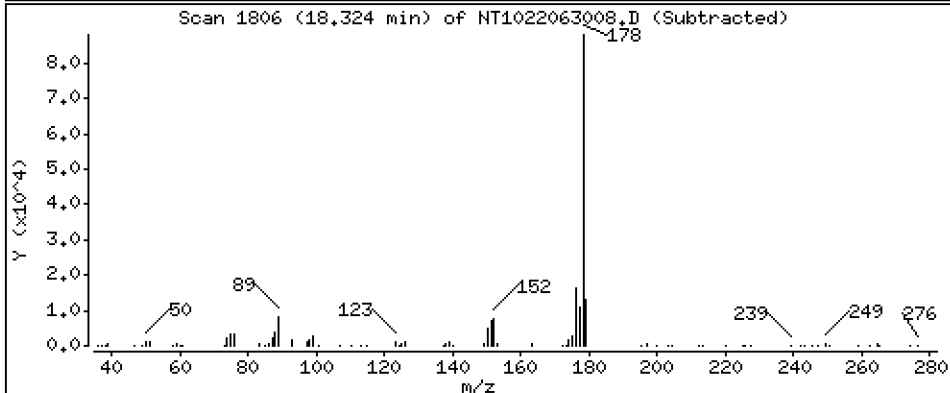
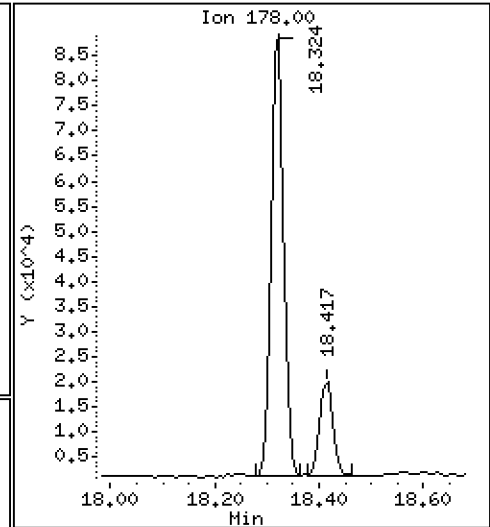
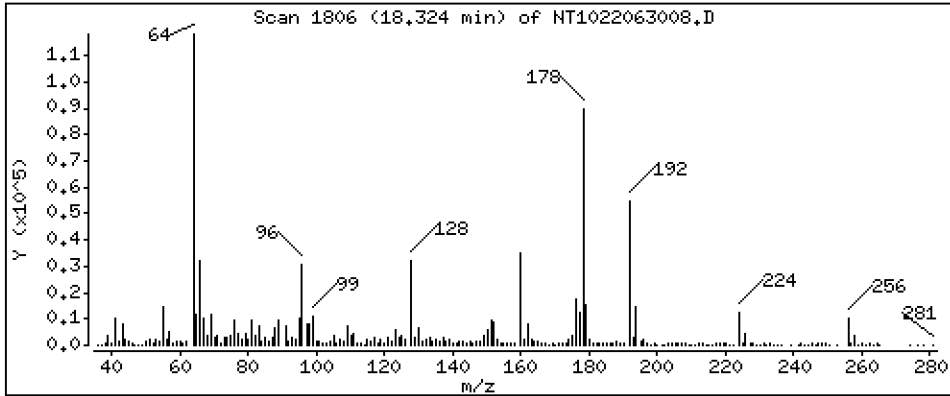
Operator: VTS

Column phase: ZB-5msi

Column diameter: 0,25

Concentration: 0,6977 ug/mL

60 Phenanthrene



Date : 30-JUN-2022 18:05

Client ID:

Instrument: nt10.i

Sample Info: 22F0267-01

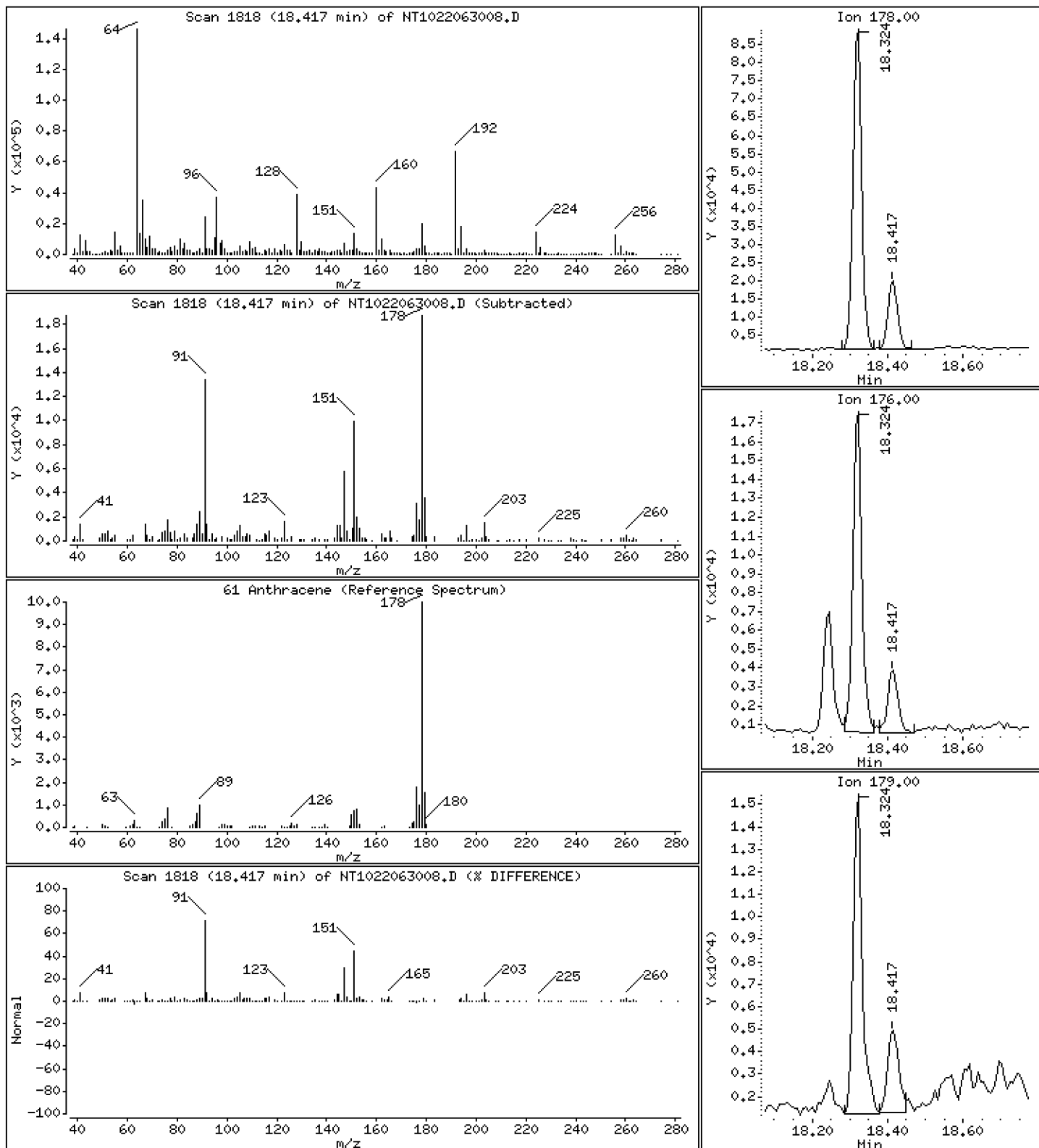
Operator: VTS

Column phase: ZB-5msi

Column diameter: 0,25

61 Anthracene

Concentration: 0,1441 ug/mL



Date : 30-JUN-2022 18:05

Client ID:

Instrument: nt10.i

Sample Info: 22F0267-01

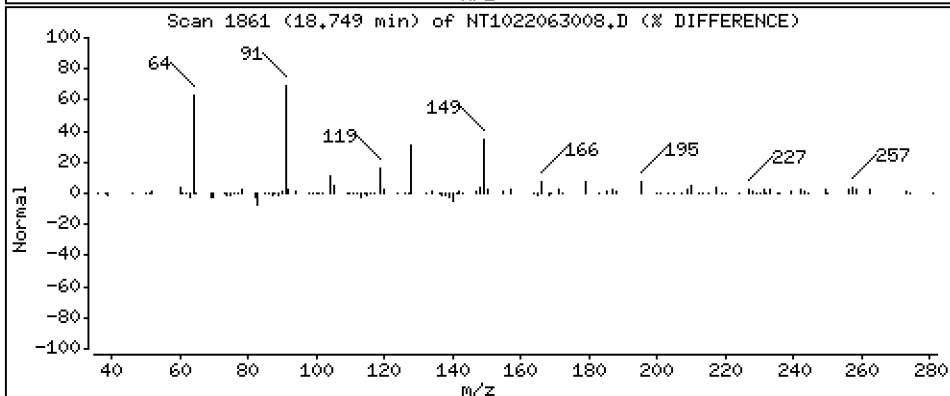
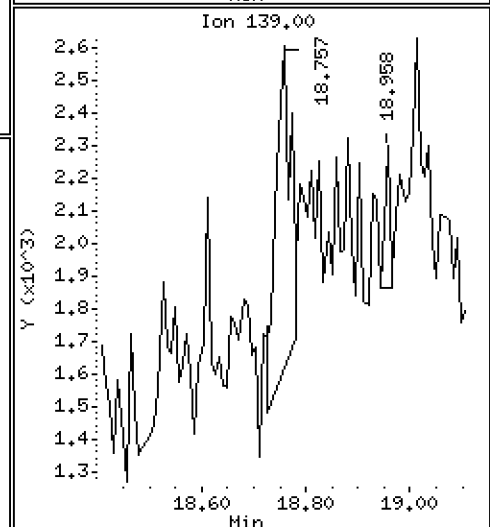
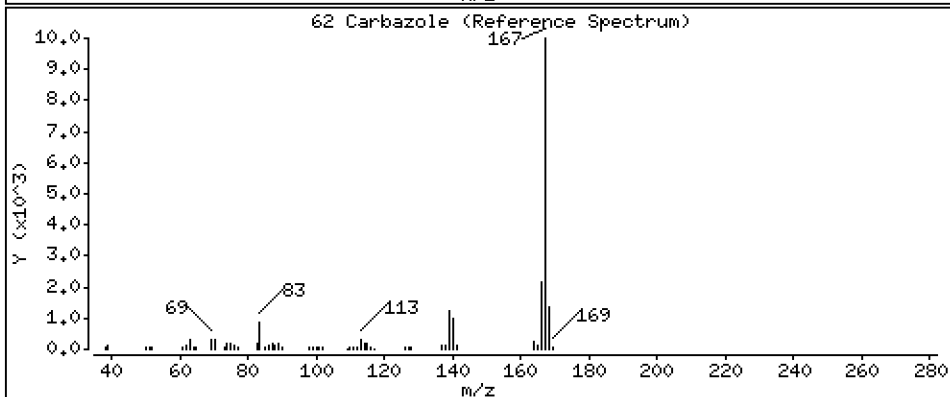
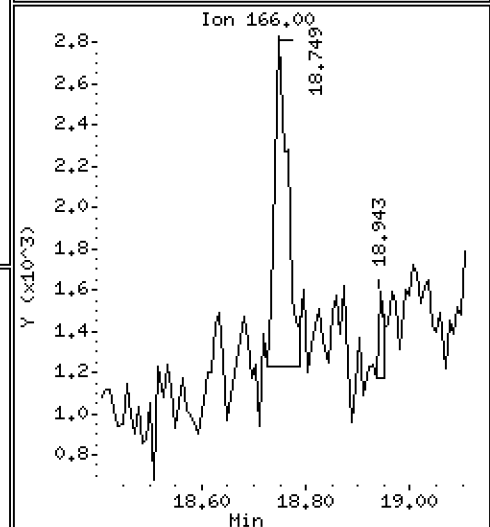
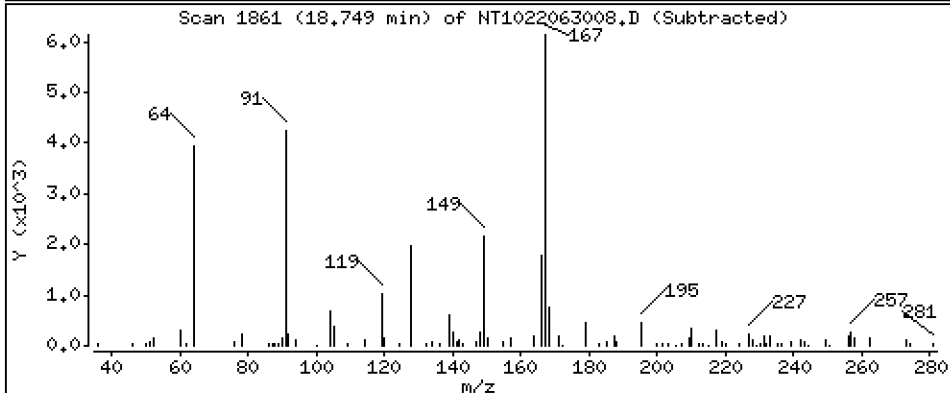
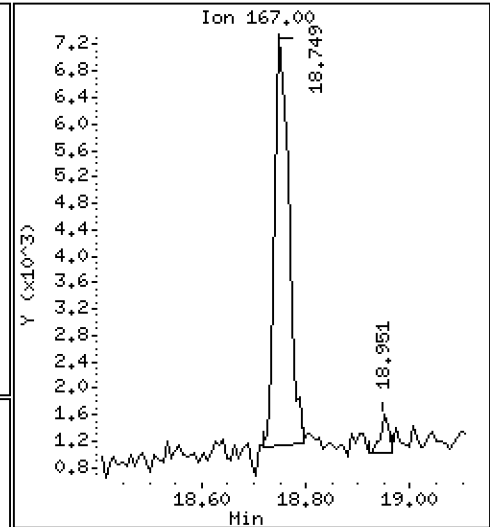
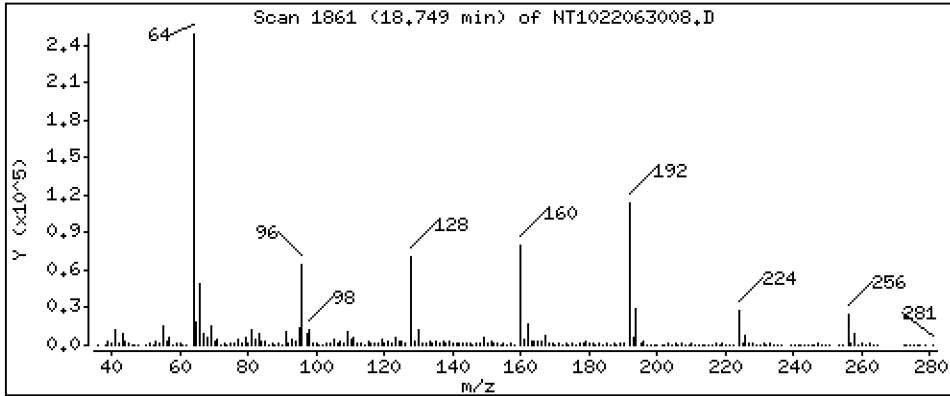
Operator: VTS

Column phase: ZB-5msi

Column diameter: 0.25

62 Carbazole

Concentration: 0.05526 ug/mL



Date : 30-JUN-2022 18:05

Client ID:

Instrument: nt10.i

Sample Info: 22F0267-01

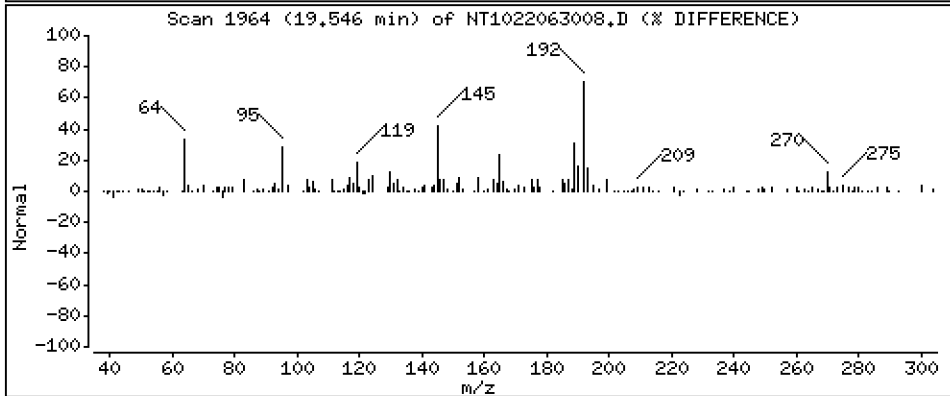
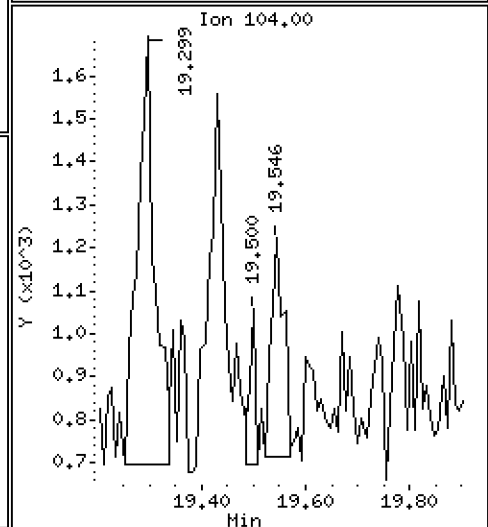
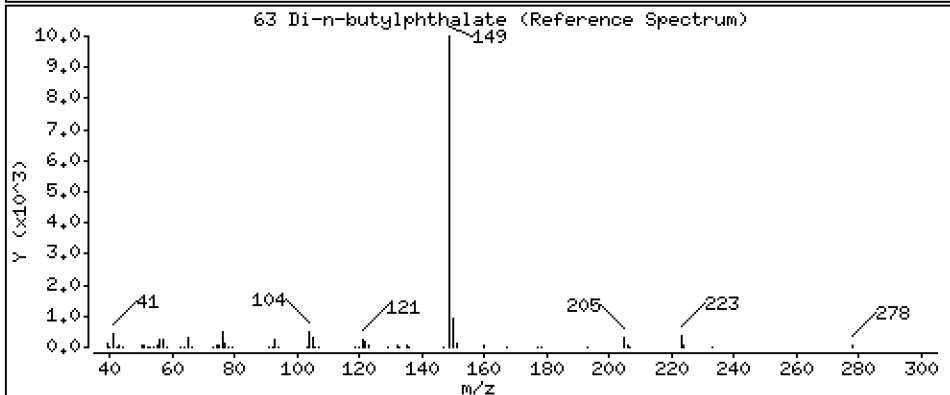
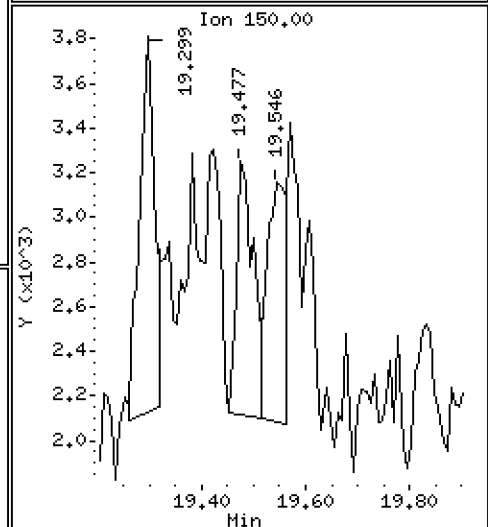
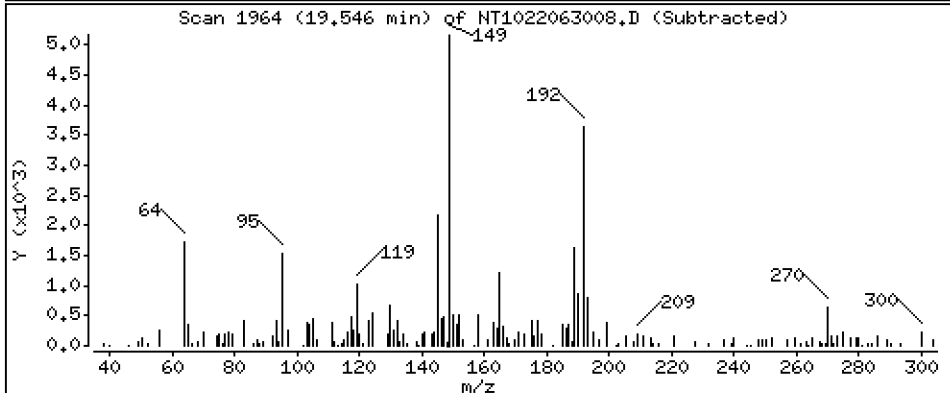
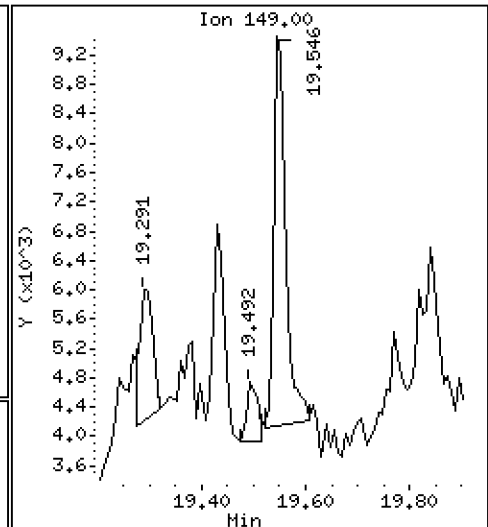
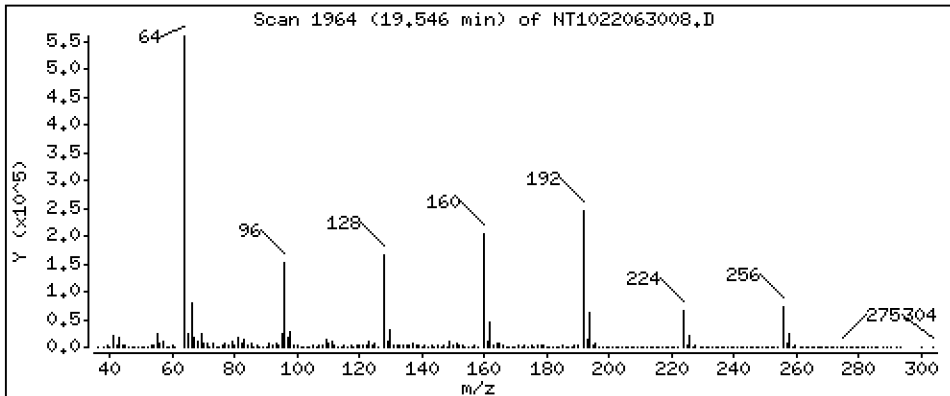
Operator: VTS

Column phase: ZB-5msi

Column diameter: 0.25

63 Di-n-butylphthalate

Concentration: 0.02633 ug/mL



Date : 30-JUN-2022 18:05

Client ID:

Instrument: nt10.i

Sample Info: 22F0267-01

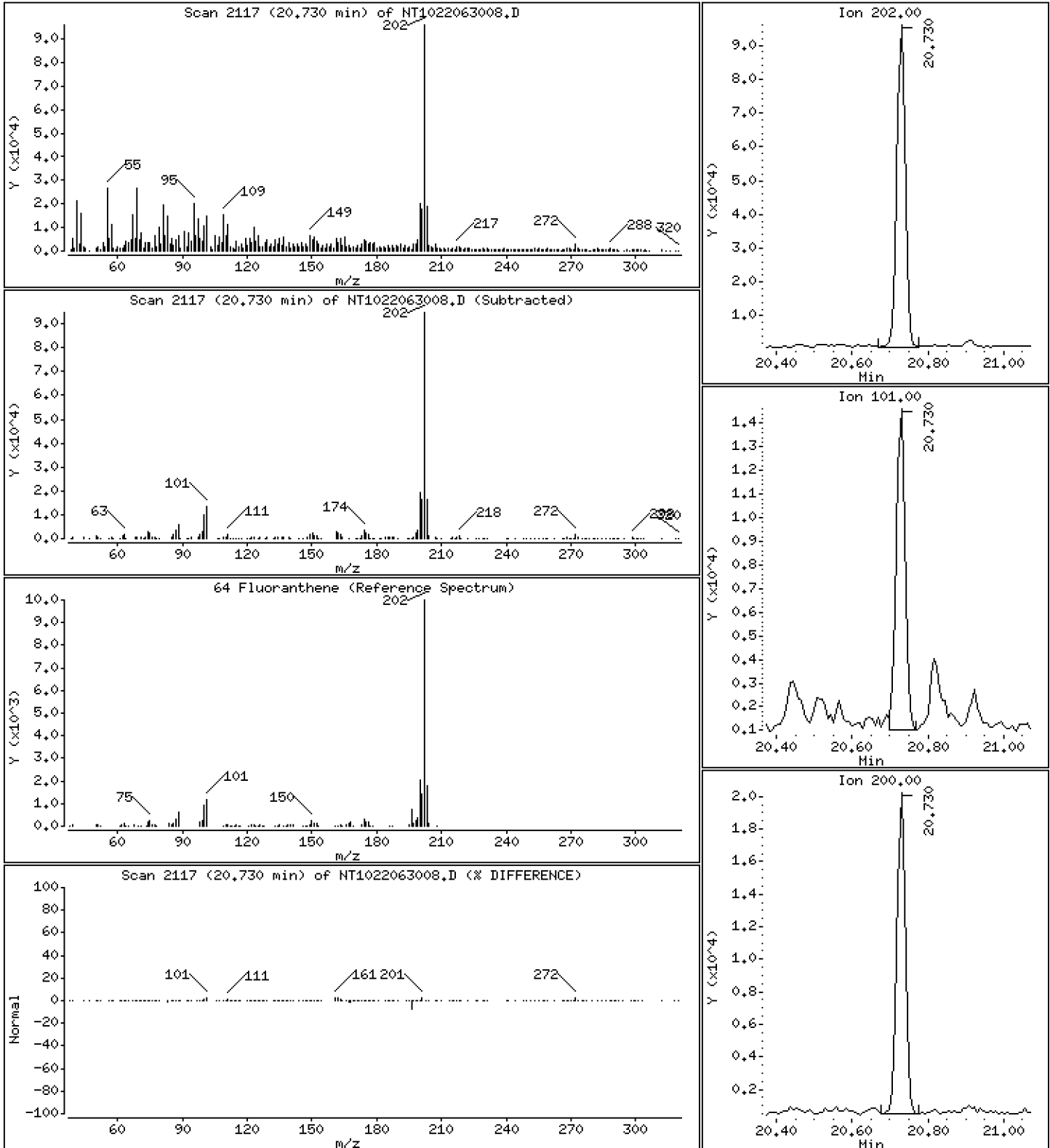
Operator: VTS

Column phase: ZB-5msi

Column diameter: 0,25

64 Fluoranthene

Concentration: 1,155 ug/mL



Date : 30-JUN-2022 18:05

Client ID:

Instrument: nt10.i

Sample Info: 22F0267-01

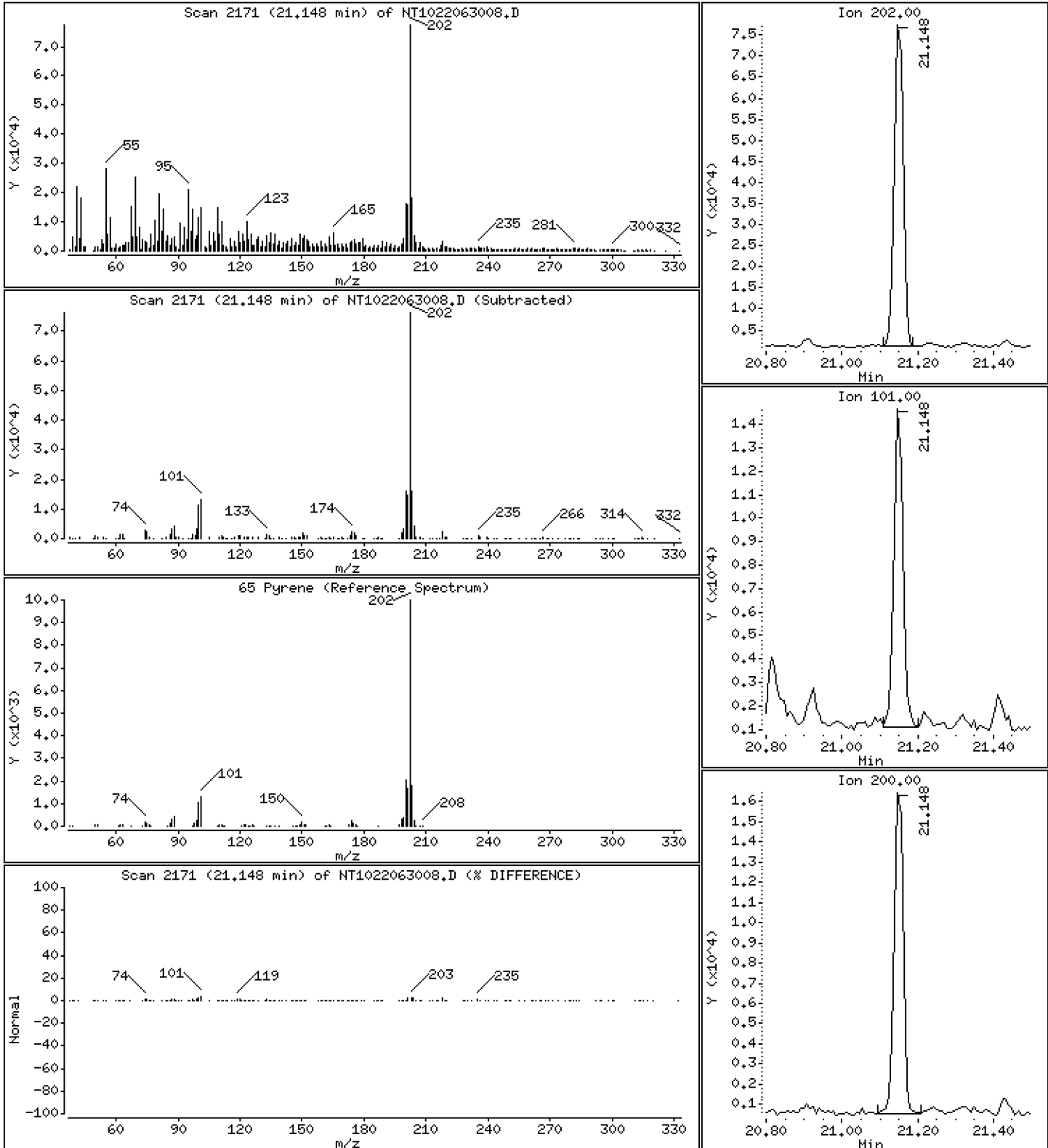
Operator: VTS

Column phase: ZB-5msi

Column diameter: 0.25

65 Pyrene

Concentration: 1.139 ug/mL



Date : 30-JUN-2022 18:05

Client ID:

Instrument: nt10.i

Sample Info: 22F0267-01

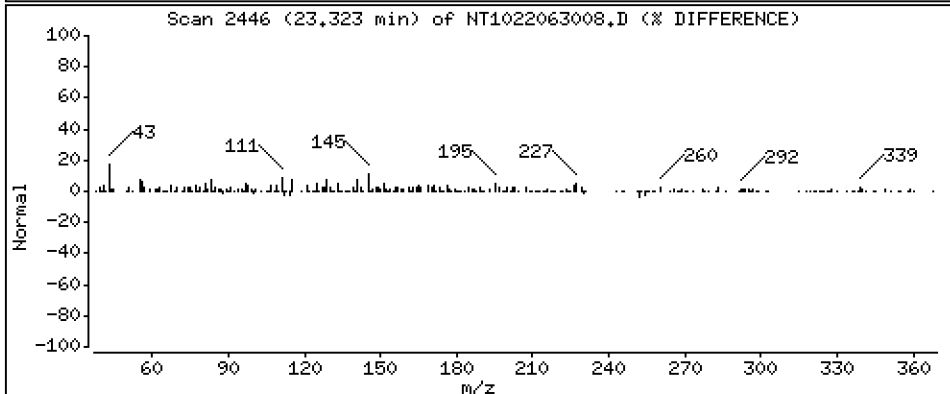
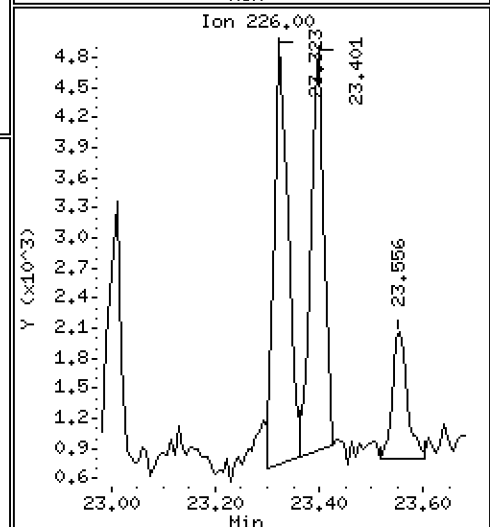
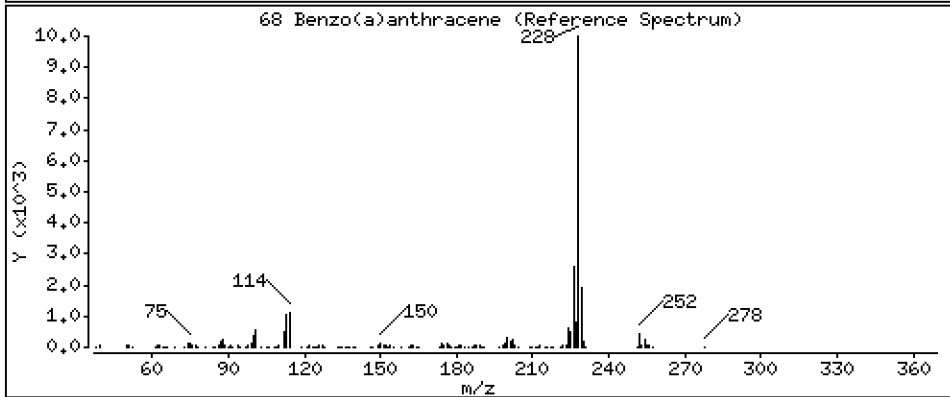
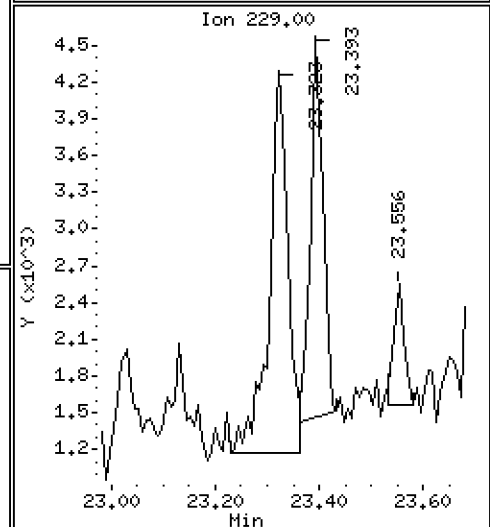
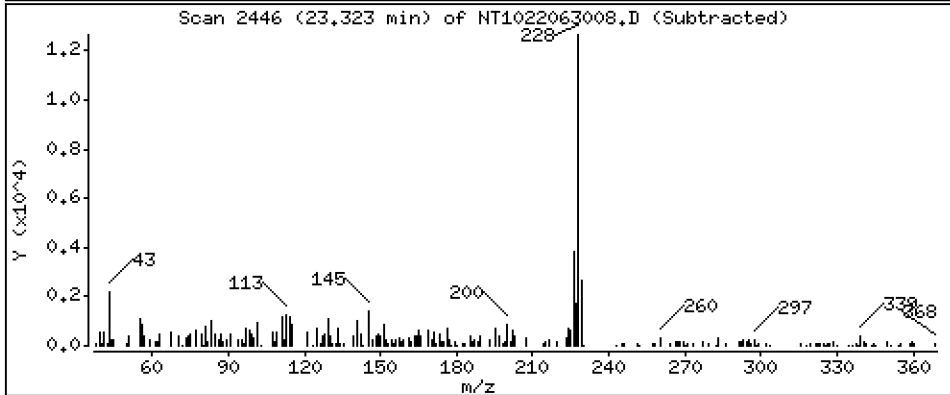
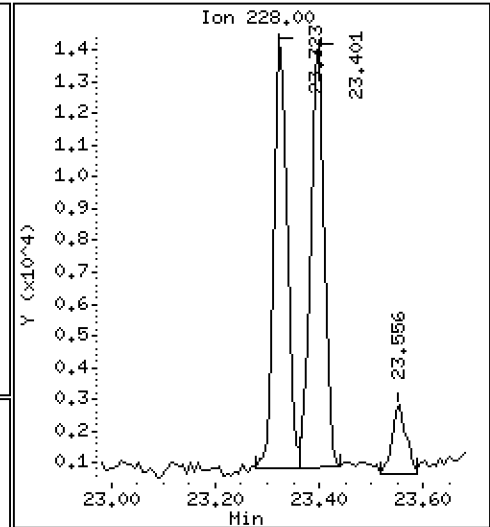
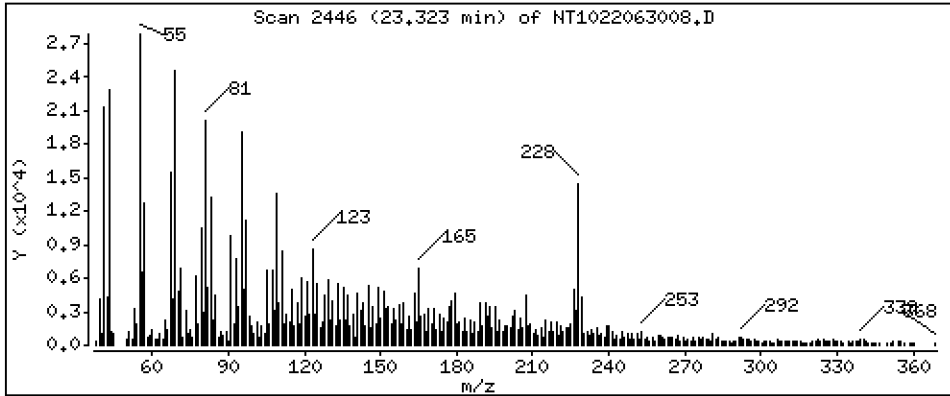
Operator: VTS

Column phase: ZB-5msi

Column diameter: 0,25

68 Benzo(a)anthracene

Concentration: 0,3294 ug/mL



Date : 30-JUN-2022 18:05

Client ID:

Instrument: nt10.i

Sample Info: 22F0267-01

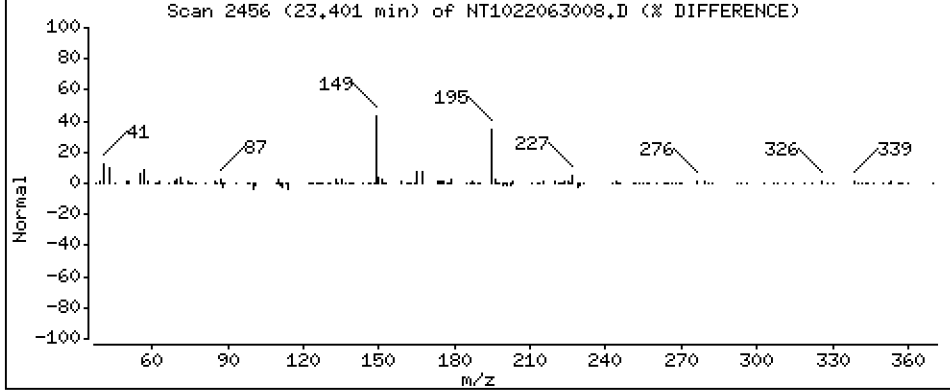
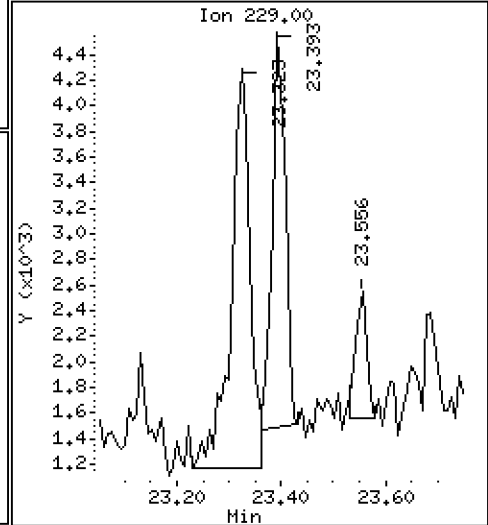
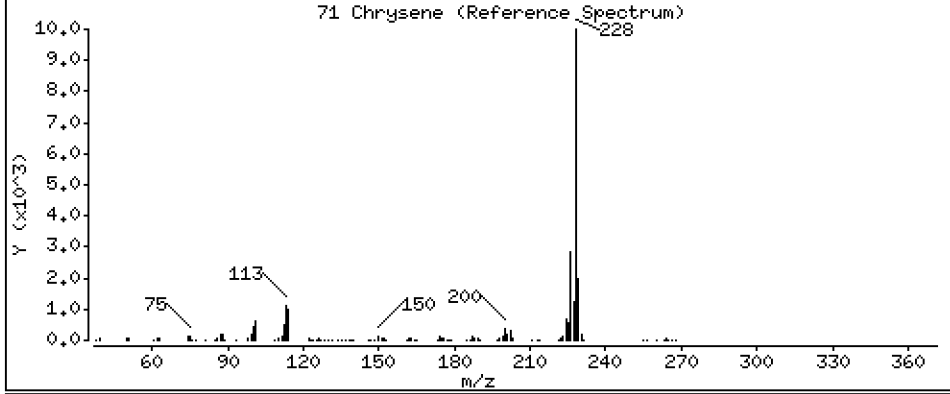
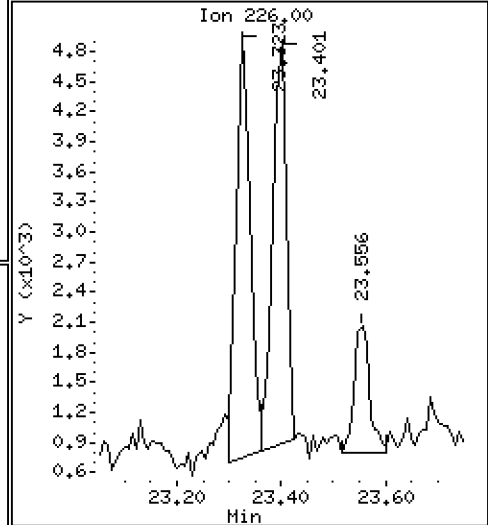
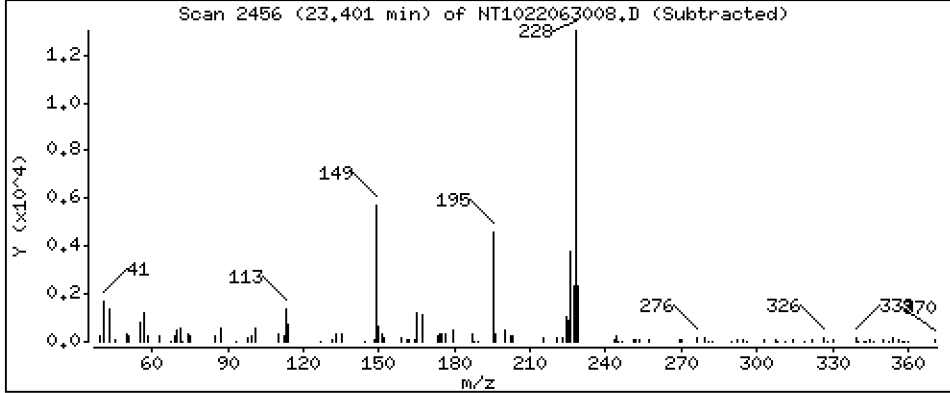
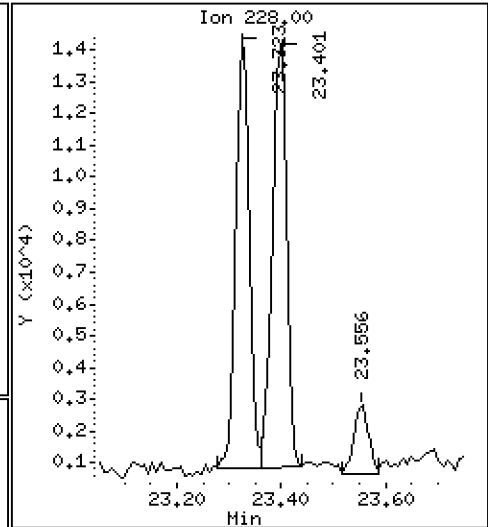
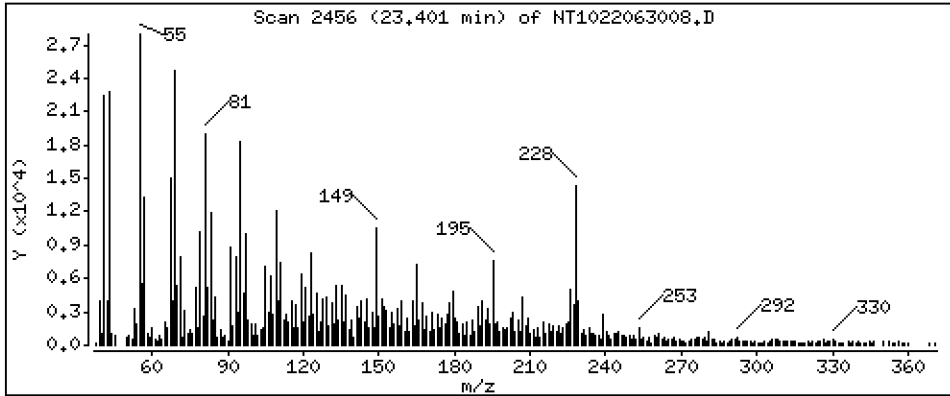
Operator: VTS

Column phase: ZB-5msi

Column diameter: 0,25

71 Chrysene

Concentration: 0,5141 ug/mL



Date : 30-JUN-2022 18:05

Client ID:

Instrument: nt10.i

Sample Info: 22F0267-01

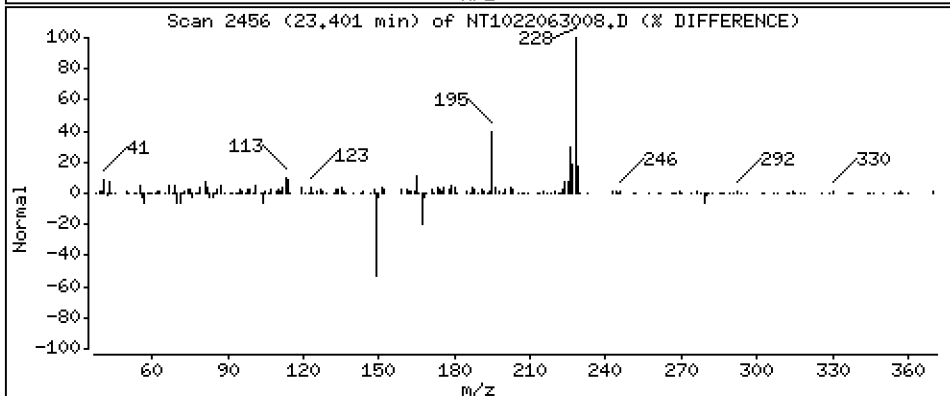
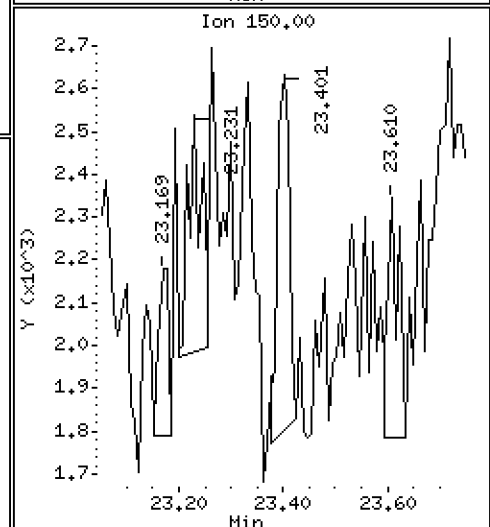
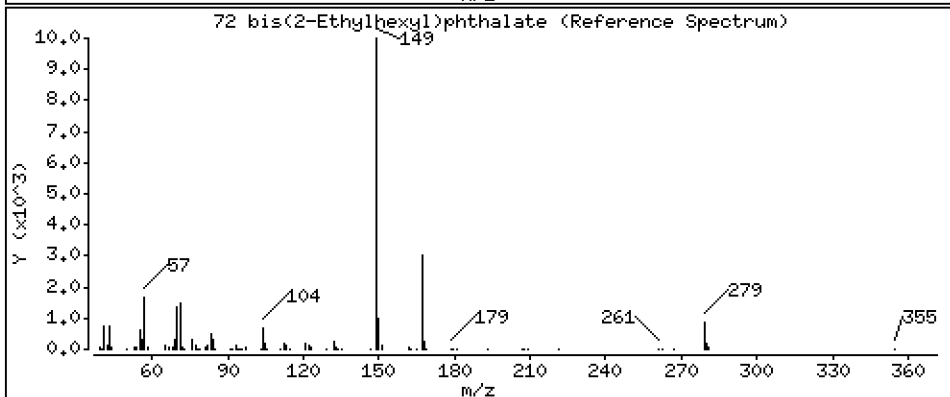
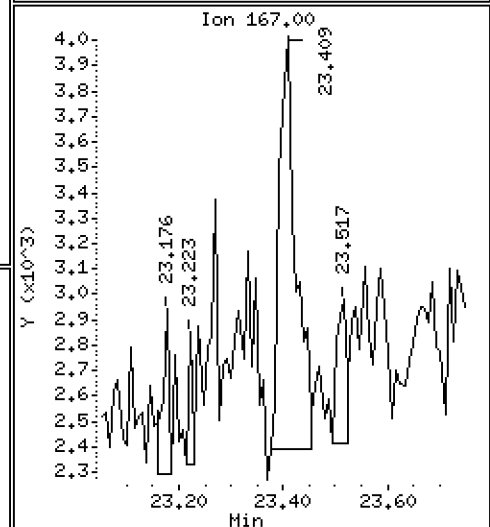
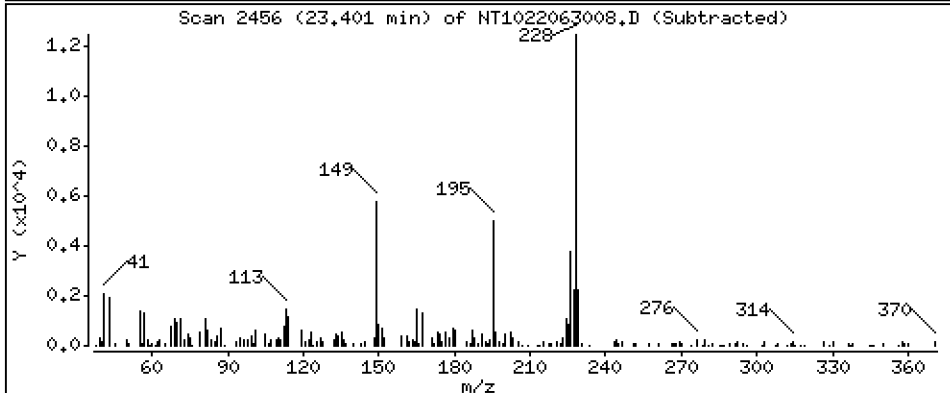
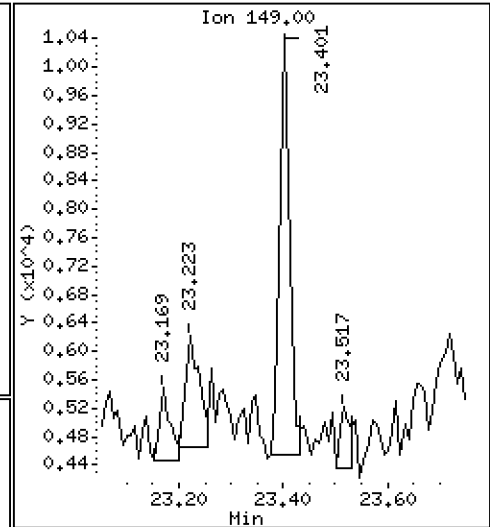
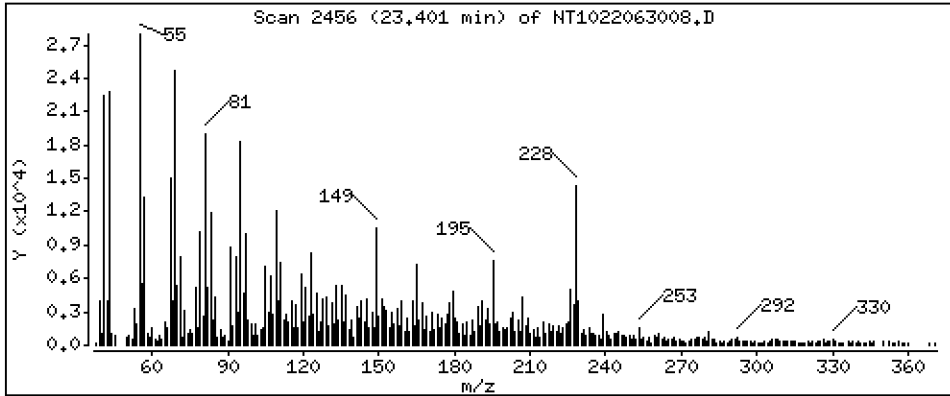
Operator: VTS

Column phase: ZB-5msi

Column diameter: 0,25

72 bis(2-Ethylhexyl)phthalate

Concentration: 0,2033 ug/mL



Date : 30-JUN-2022 18:05

Client ID:

Instrument: nt10.i

Sample Info: 22F0267-01

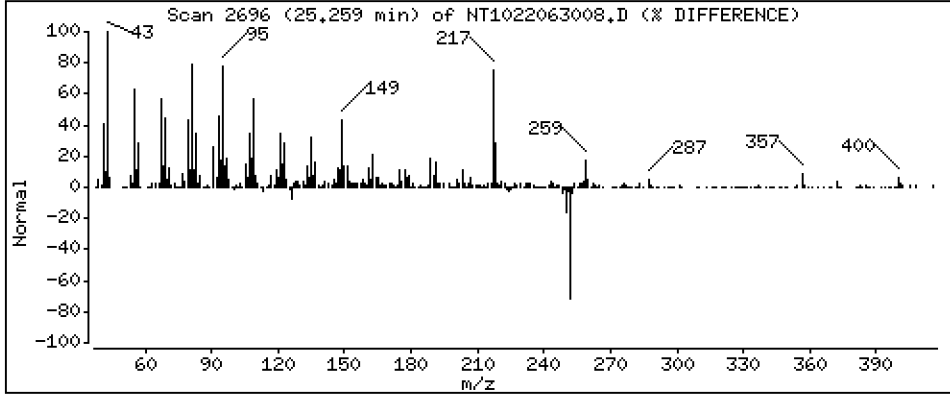
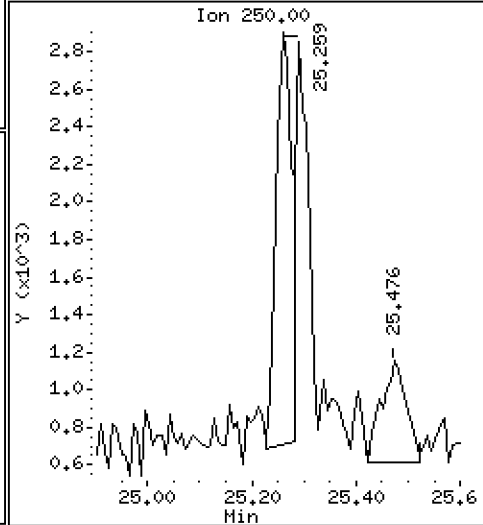
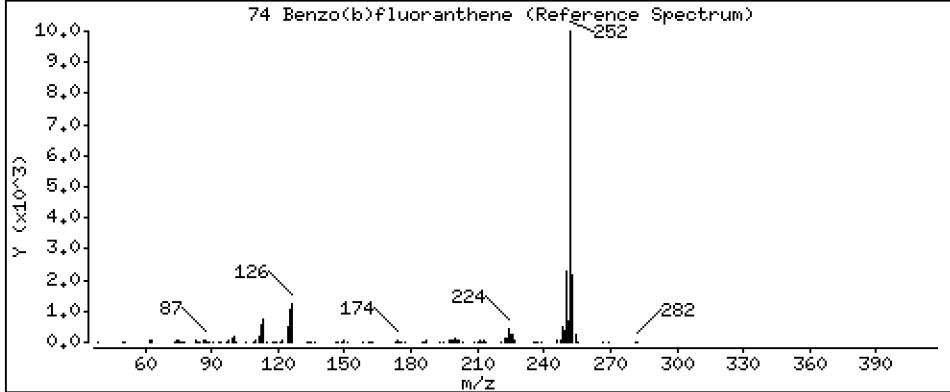
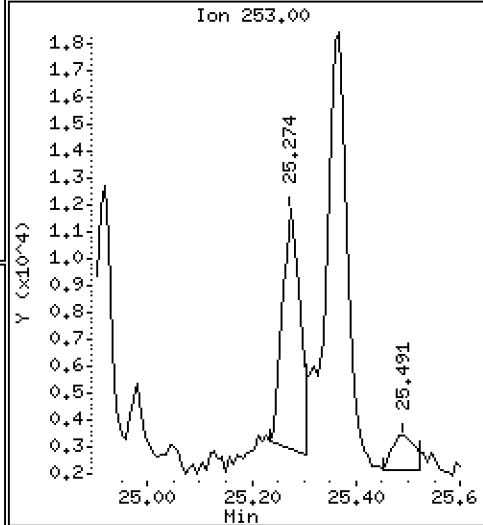
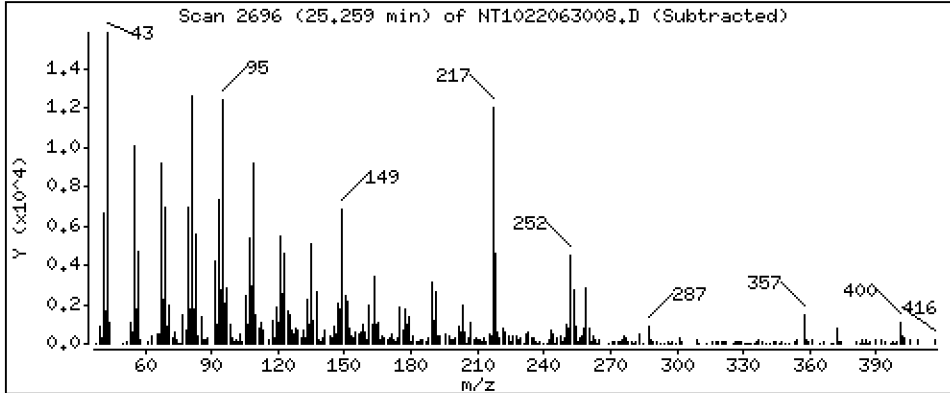
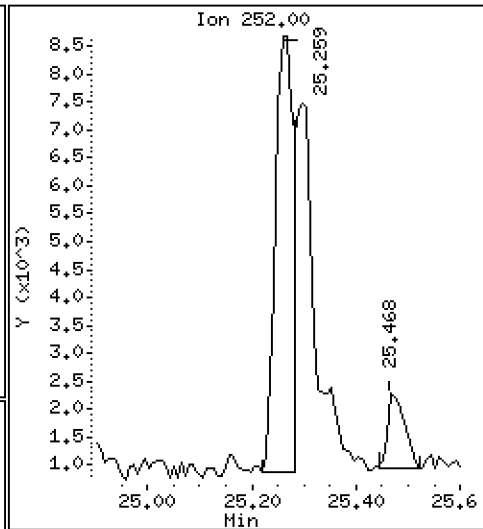
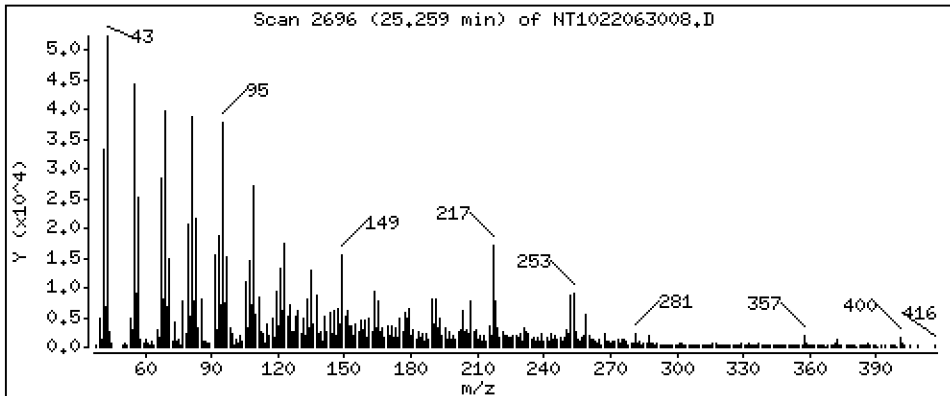
Operator: VTS

Column phase: ZB-5msi

Column diameter: 0,25

74 Benzo(b)fluoranthene

Concentration: 0,3265 ug/mL



Date : 30-JUN-2022 18:05

Client ID:

Instrument: nt10.i

Sample Info: 22F0267-01

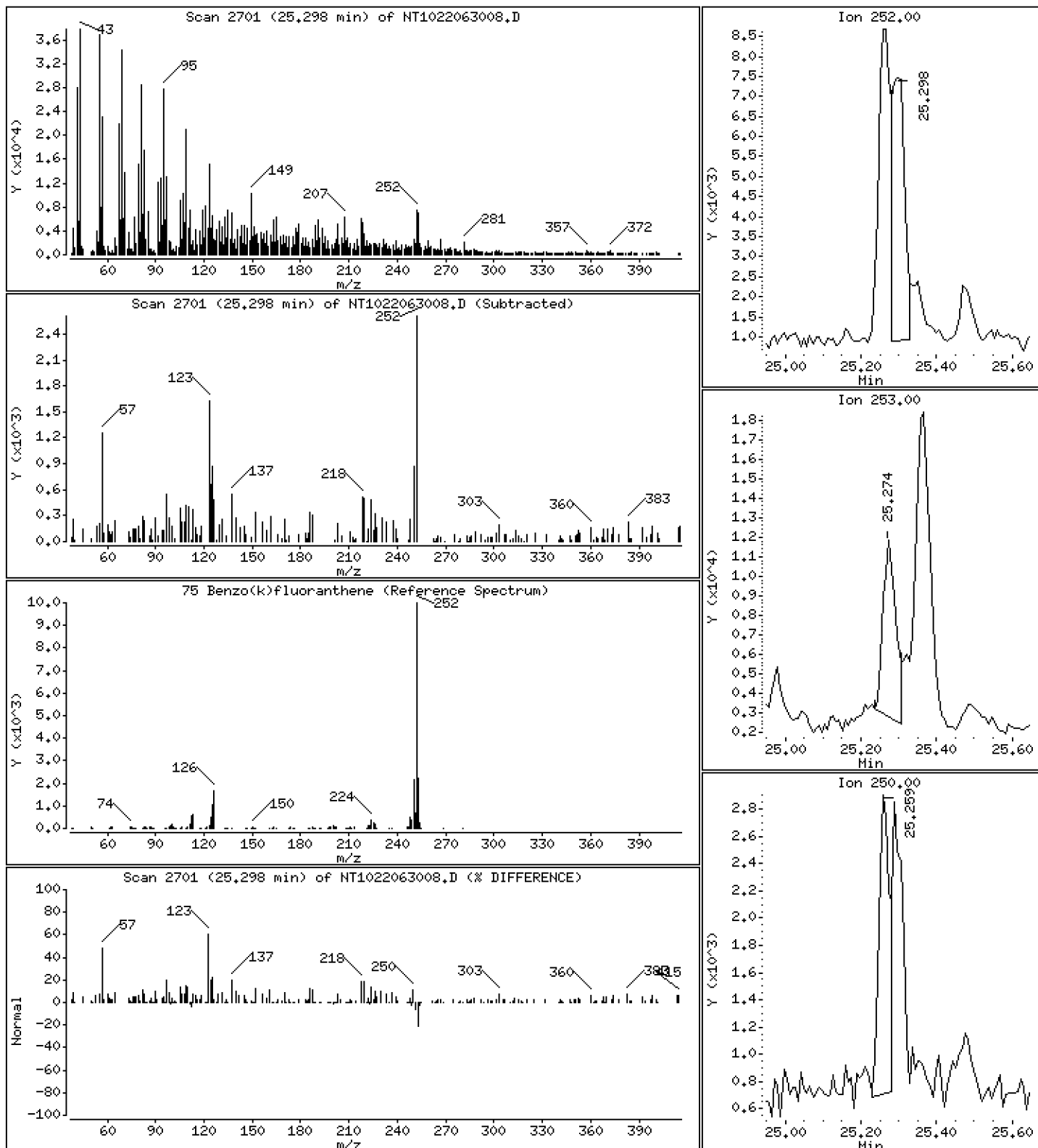
Operator: VTS

Column phase: ZB-5msi

Column diameter: 0,25

75 Benzo(k)fluoranthene

Concentration: 0,2861 ug/mL



Date : 30-JUN-2022 18:05

Client ID:

Instrument: nt10.i

Sample Info: 22F0267-01

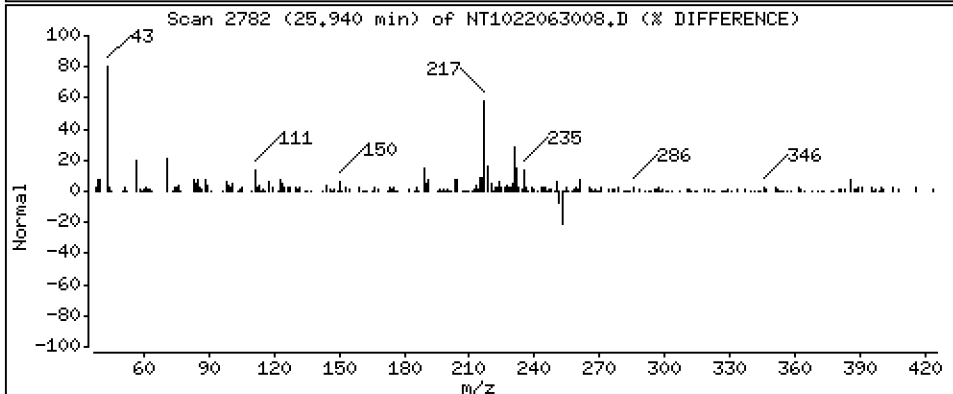
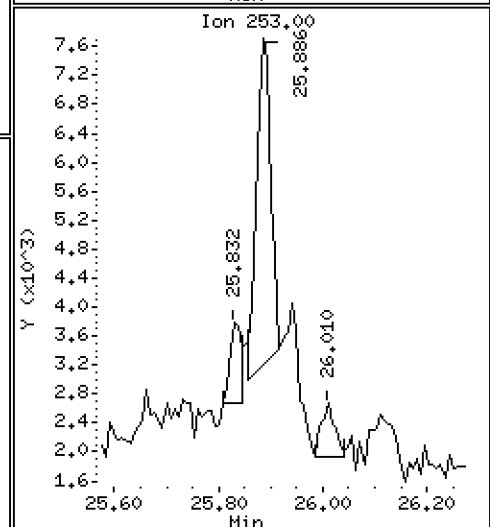
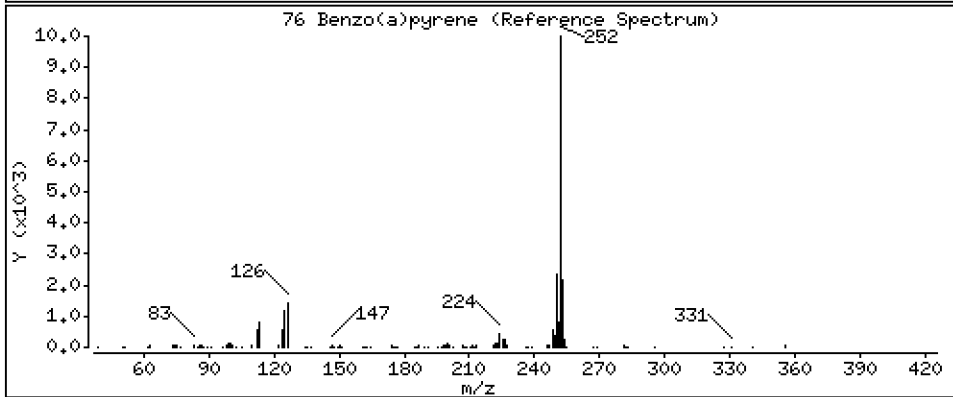
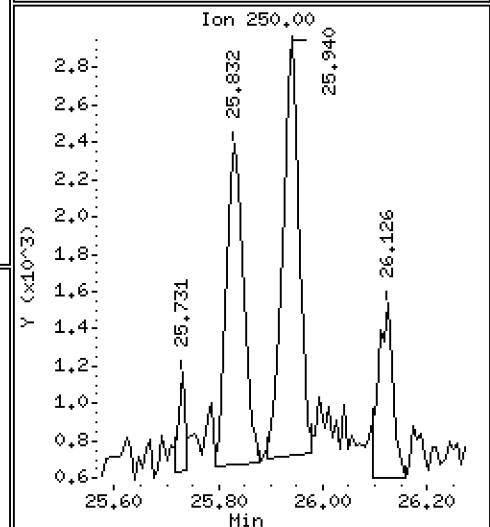
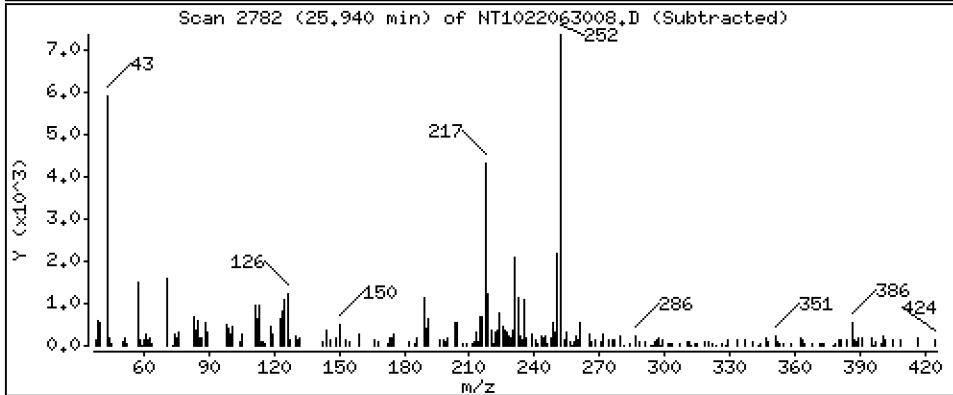
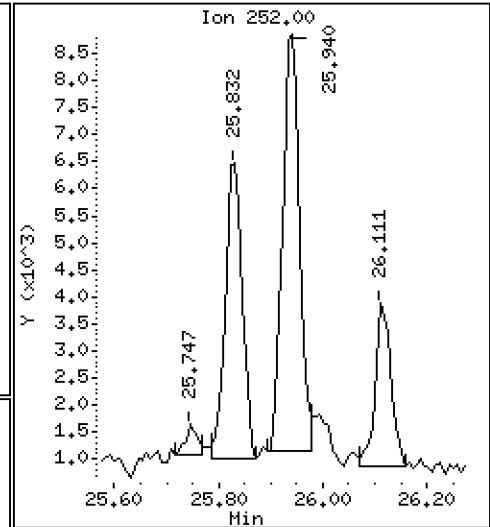
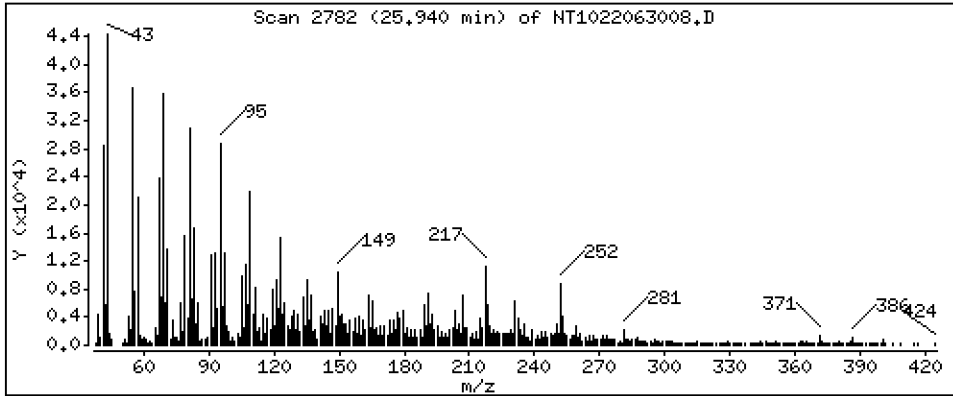
Operator: VTS

Column phase: ZB-5msi

Column diameter: 0,25

76 Benzo(a)pyrene

Concentration: 0,3771 ug/mL



Date : 30-JUN-2022 18:05

Client ID:

Instrument: nt10.i

Sample Info: 22F0267-01

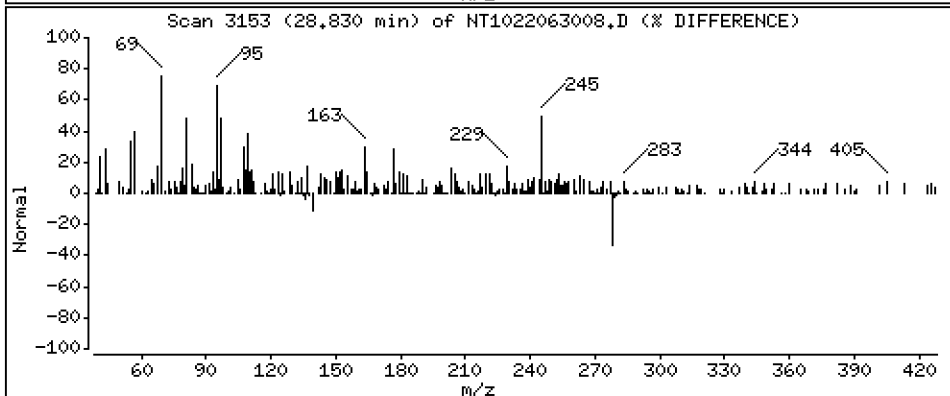
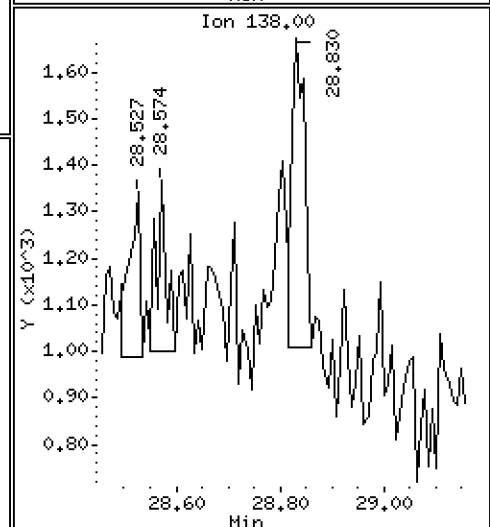
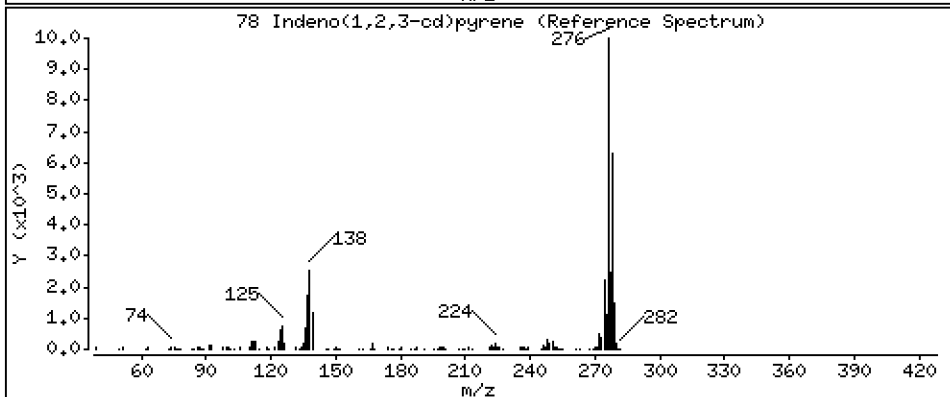
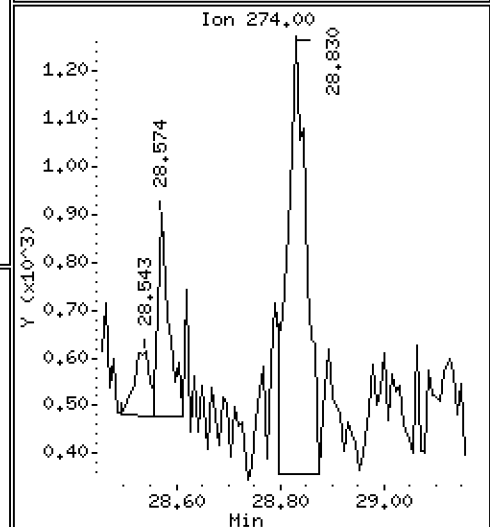
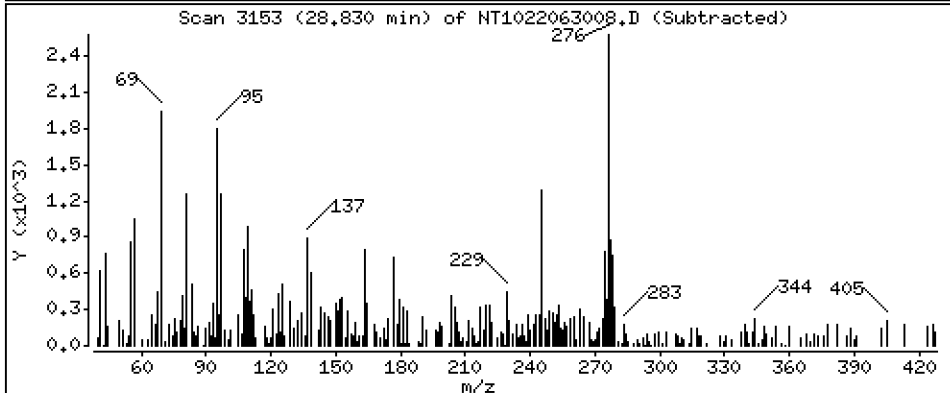
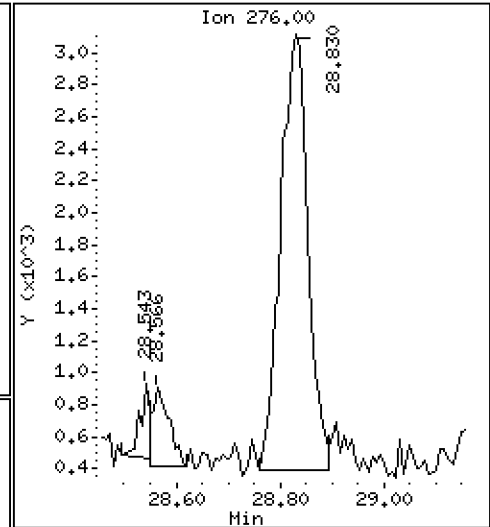
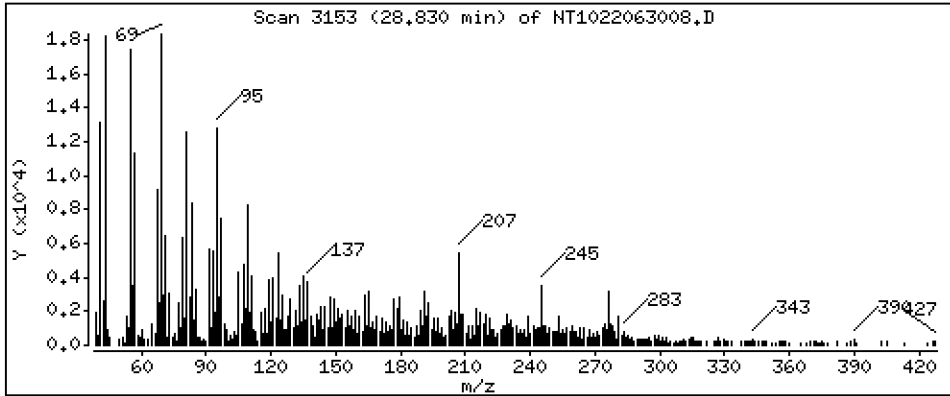
Operator: VTS

Column phase: ZB-5msi

Column diameter: 0,25

78 Indeno(1,2,3-cd)pyrene

Concentration: 0,2003 ug/mL



Date : 30-JUN-2022 18:05

Client ID:

Instrument: nt10.i

Sample Info: 22F0267-01

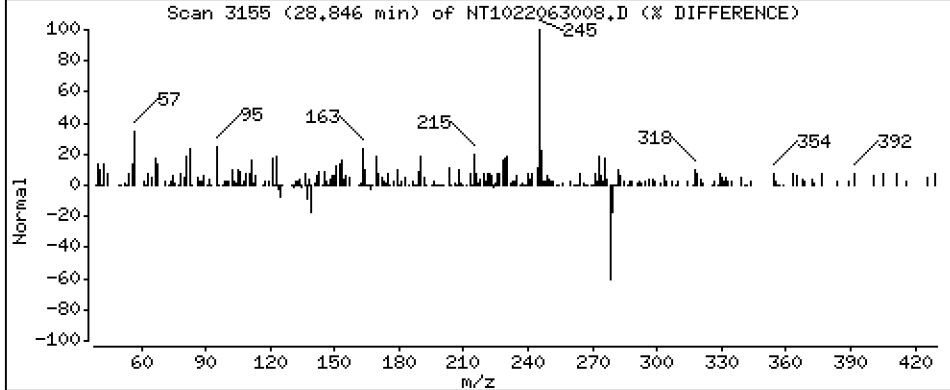
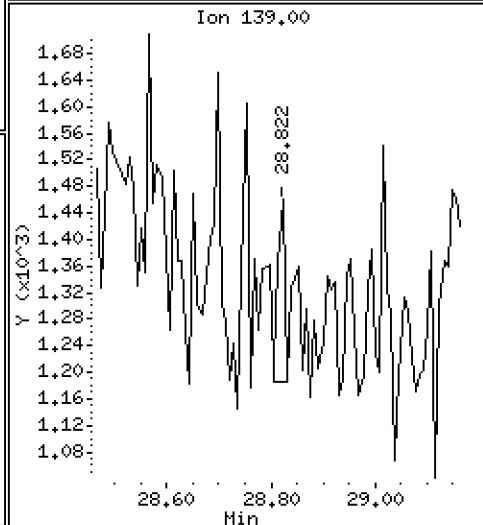
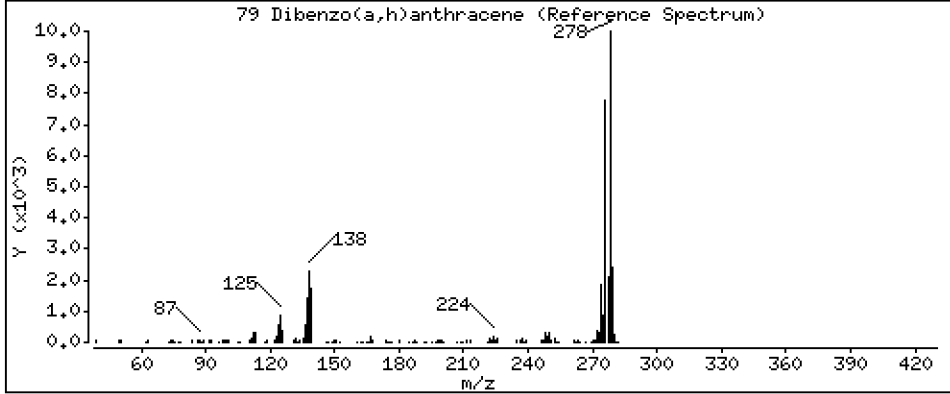
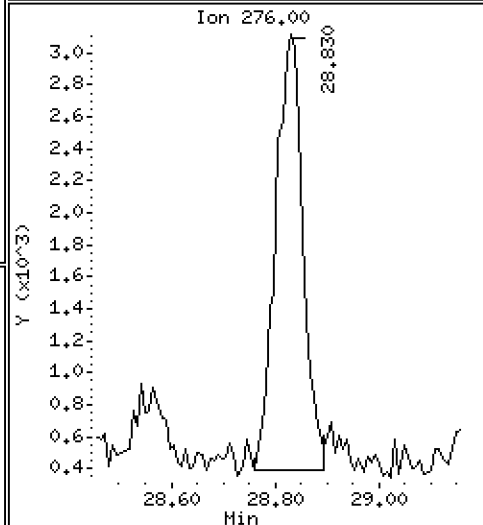
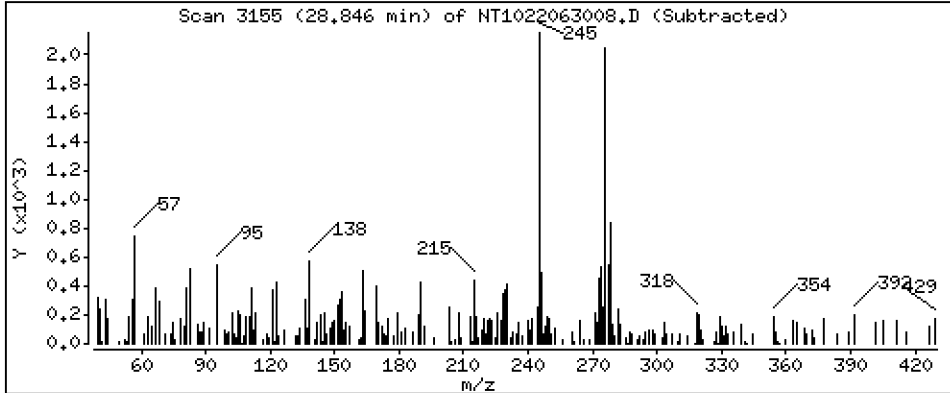
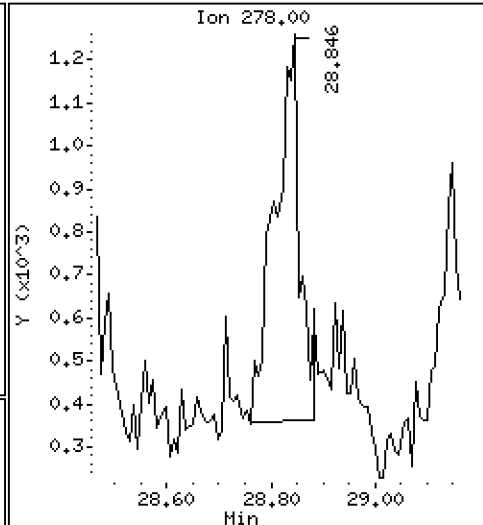
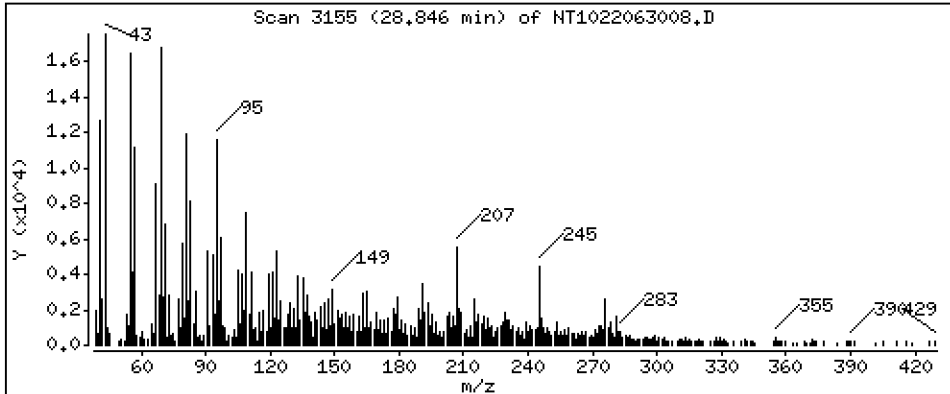
Operator: VTS

Column phase: ZB-5msi

Column diameter: 0,25

79 Dibenzo(a,h)anthracene

Concentration: 0,07978 ug/mL



Date : 30-JUN-2022 18:05

Client ID:

Instrument: nt10.i

Sample Info: 22F0267-01

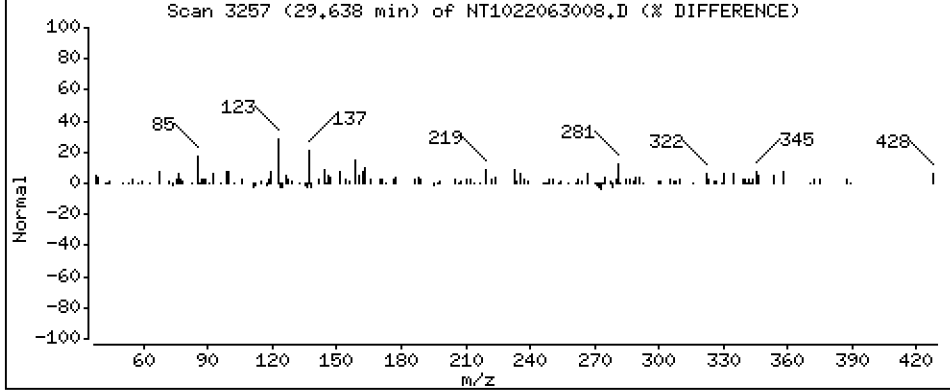
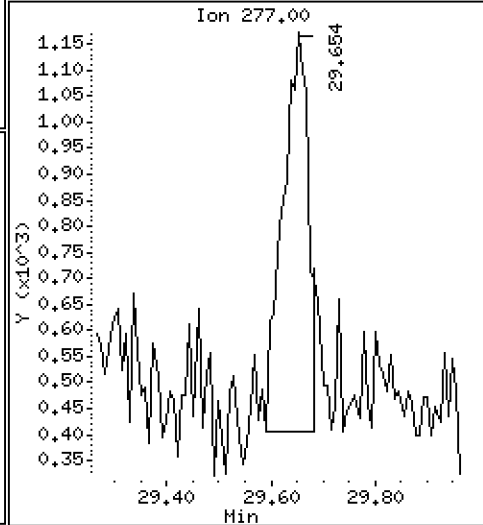
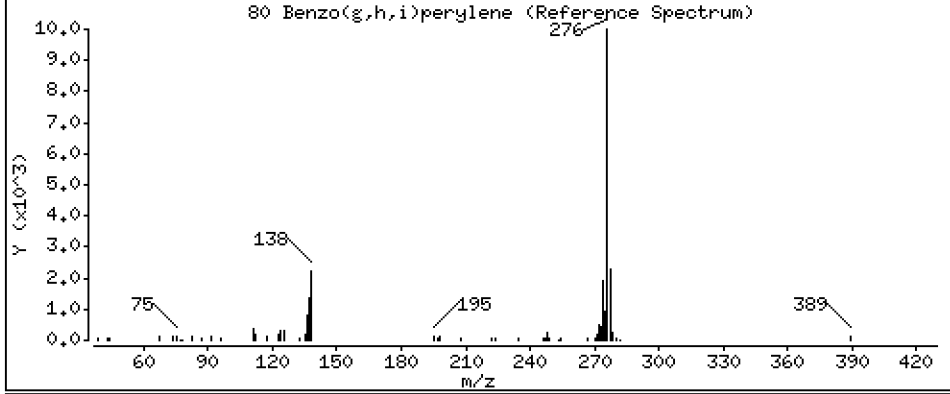
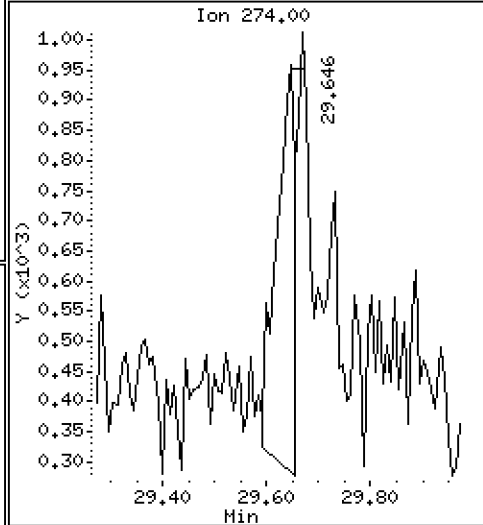
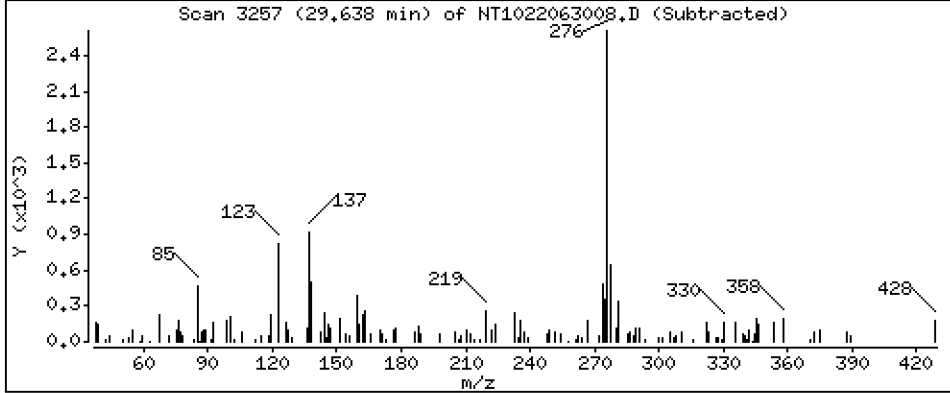
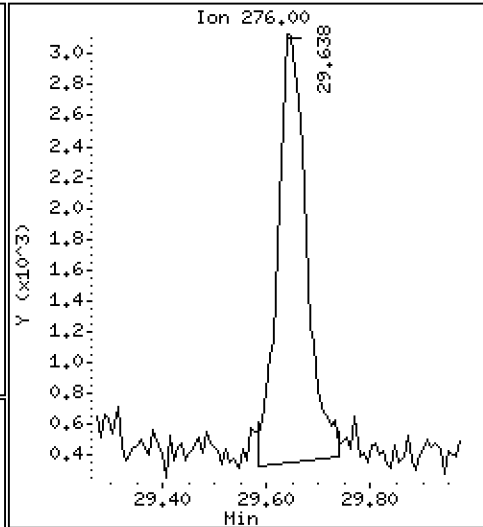
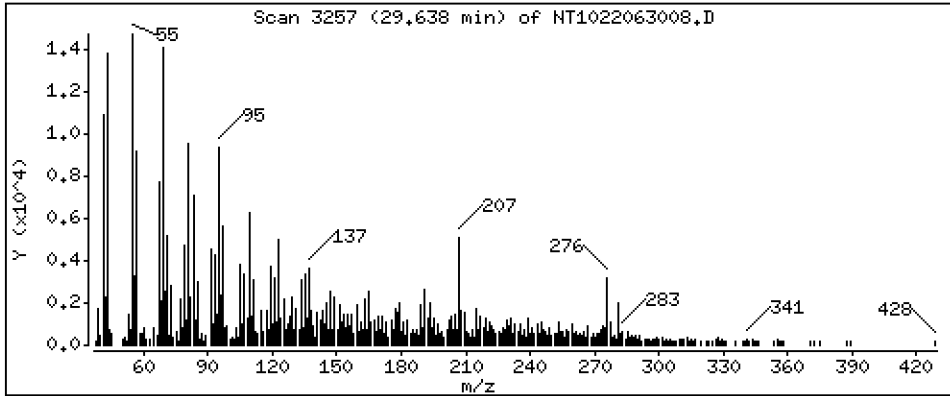
Operator: VTS

Column phase: ZB-5msi

Column diameter: 0,25

80 Benzo(g,h,i)perylene

Concentration: 0,2742 ug/mL



Date : 30-JUN-2022 18:05

Client ID:

Instrument: nt10.i

Sample Info: 22F0267-01

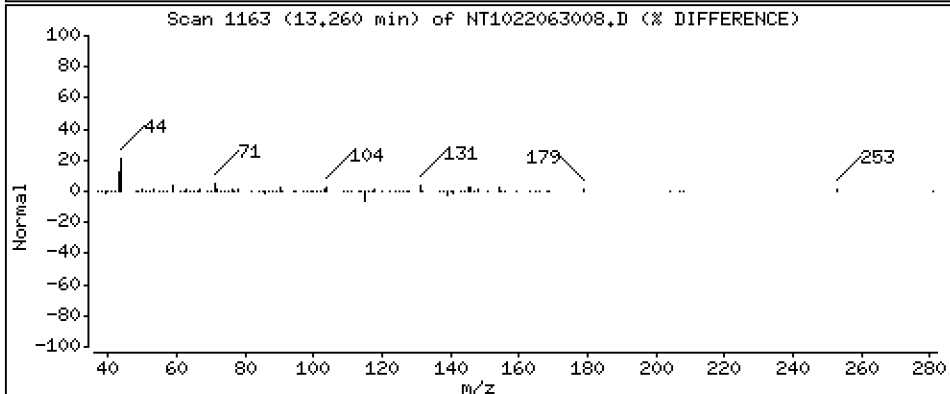
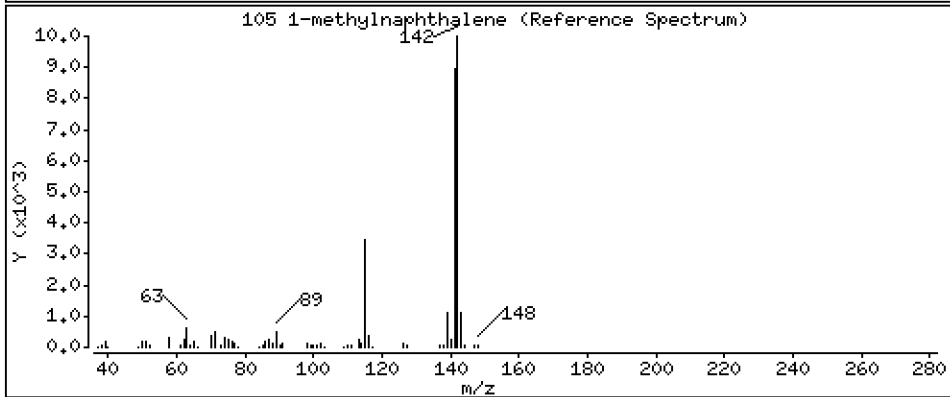
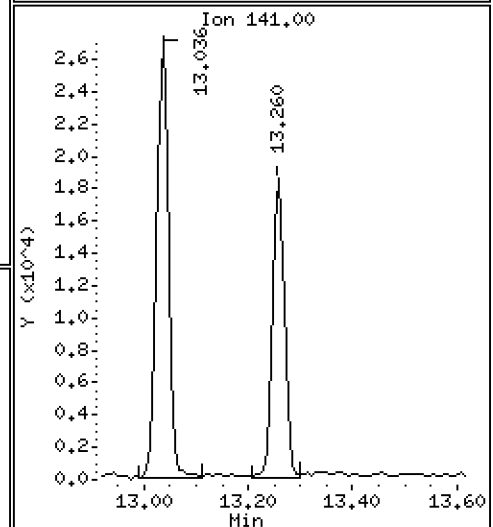
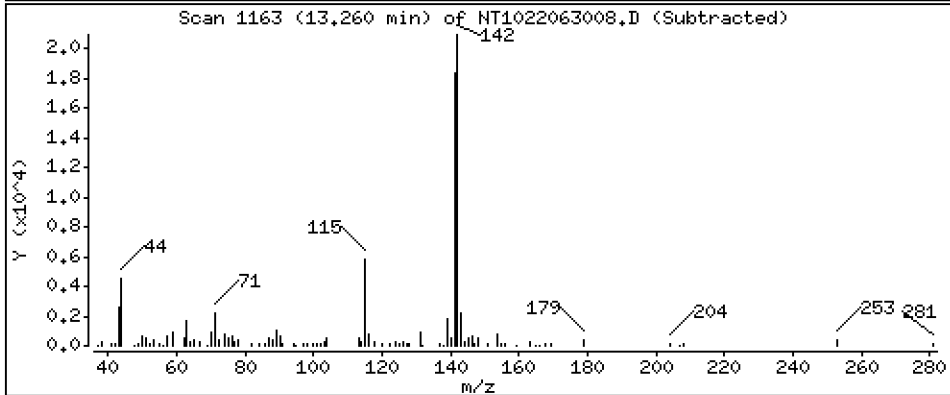
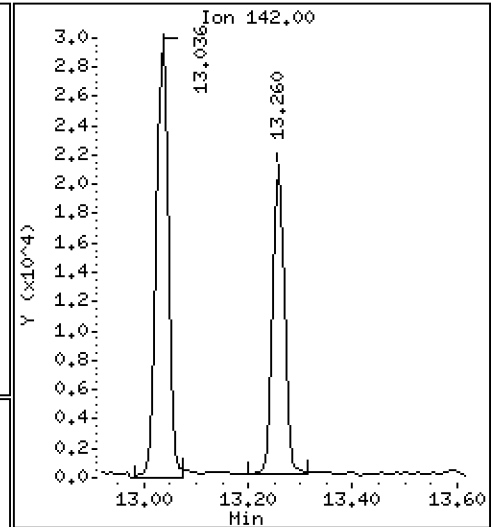
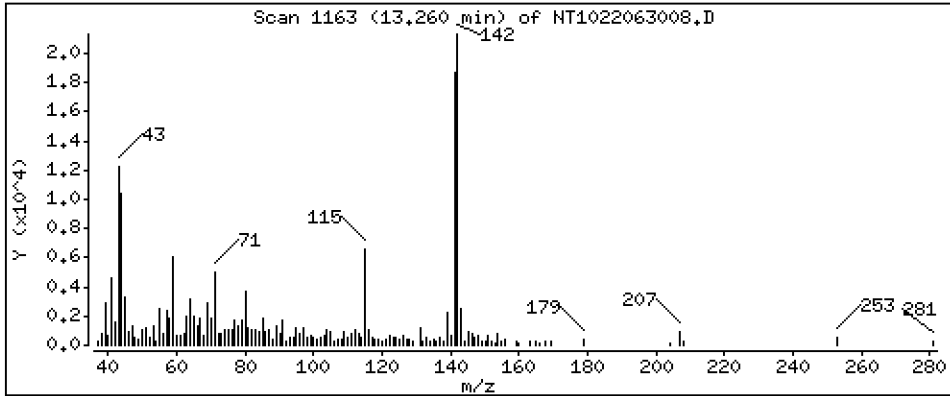
Operator: VTS

Column phase: ZB-5msi

Column diameter: 0.25

105 1-methylnaphthalene

Concentration: 0.1314 ug/mL



Date : 30-JUN-2022 18:05

Client ID:

Instrument: nt10.i

Sample Info: 22F0267-01

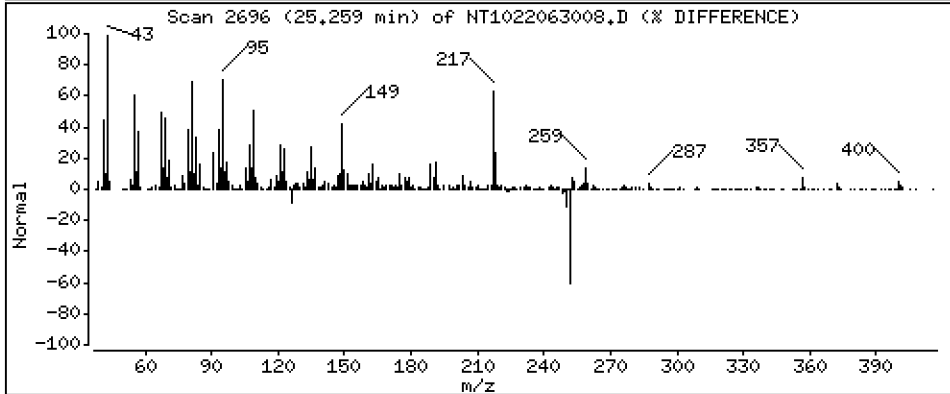
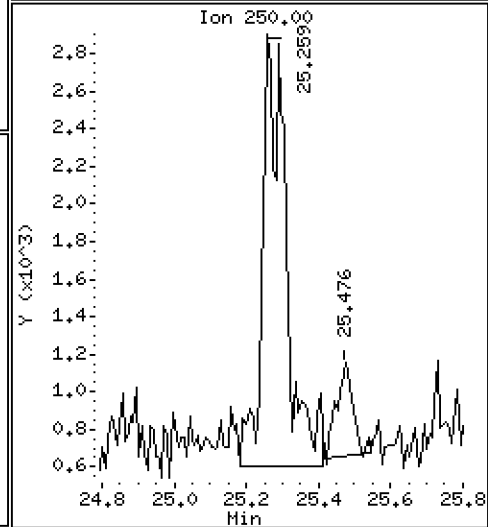
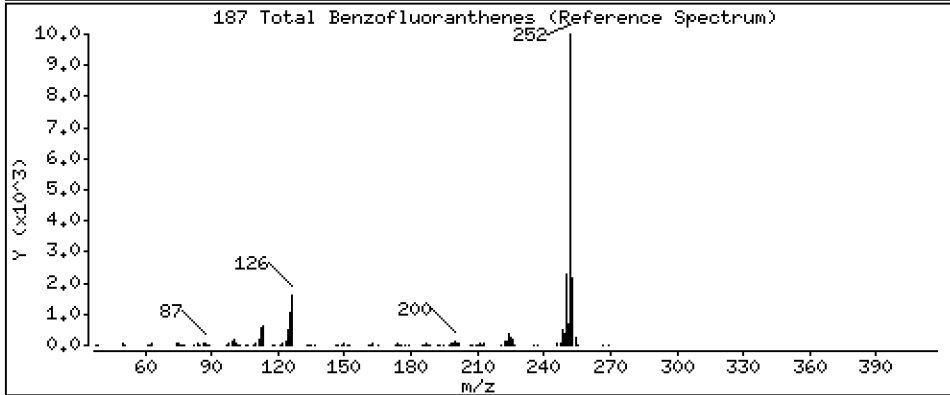
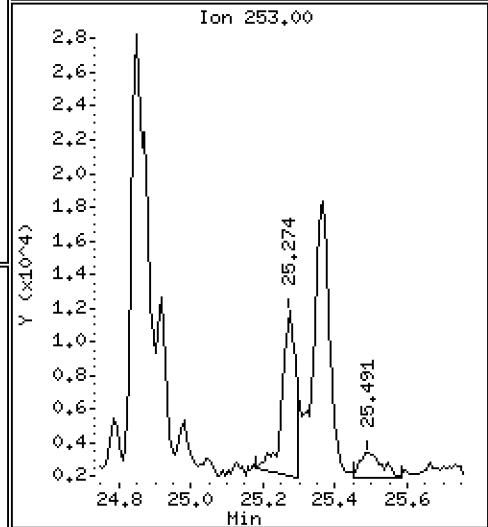
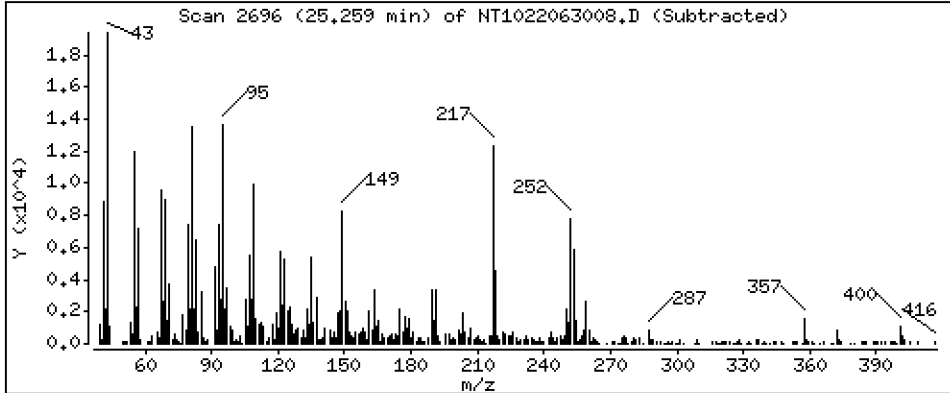
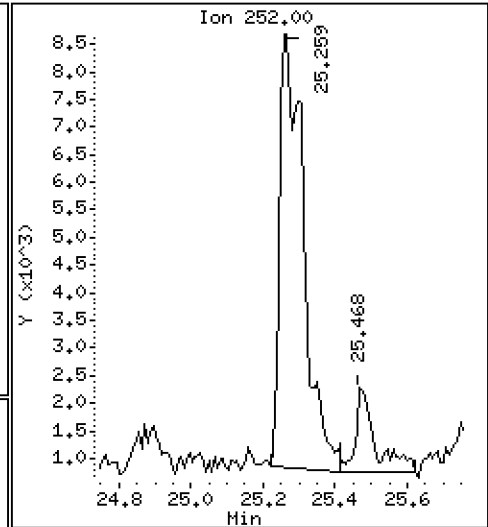
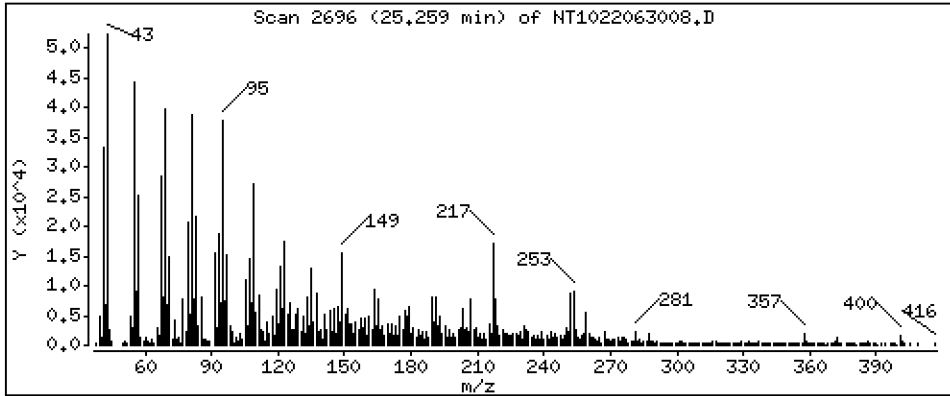
Operator: VTS

Column phase: ZB-5msi

Column diameter: 0,25

187 Total Benzofluoranthenes

Concentration: 0,6774 ug/mL



ARI Labs, Inc.

Semivolatile Report SW846 Method 8270D

Data file : \\target\share\chem3\nt10.i\20220630.b\NT1022063008.D
 Lab Smp Id: 22F0267-01
 Inj Date : 30-JUN-2022 18:05
 Operator : VTS
 Smp Info : 22F0267-01
 Misc Info :
 Comment : 1ul Injection
 Method : \\target\share\chem3\nt10.i\20220630.b\ABN.m
 Meth Date : 01-Jul-2022 17:13 yev
 Cal Date : 23-JUN-2022 13:07
 Als bottle: 7
 Dil Factor: 1.00000
 Integrator: HP RTE
 Target Version: 4.14
 Processing Host: ORGDATA102

Inst ID: nt10.i

Quant Type: ISTD
 Cal File: NT1022062308.D

Compound Sublist: ICAL.sub

Compounds	QUANT	SIG	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS	
							ON-COLUMN	FINAL
	MASS						(ug/mL)	(ug/mL)
\$ 1 2-Fluorophenol	112		6.929	6.922	(0.761)	462601	4.48776	4.488
\$ 2 Phenol-d5	99		8.506	8.513	(0.934)	707562	4.62612	4.626
3 Phenol	94		8.529	8.529	(0.936)	20308	0.15237	0.1524
\$ 5 2-Chlorophenol-d4	132		8.761	8.768	(0.962)	697014	6.63615	6.636
4 Bis(2-Chloroethyl)ether	93		Compound Not Detected.					
6 2-Chlorophenol	128		Compound Not Detected.					
7 1,3-Dichlorobenzene	146		9.047	9.055	(0.993)	2234	0.01944	0.01944 (H)
* 8 1,4-Dichlorobenzene-d4	152		9.109	9.117	(1.000)	282294	4.00000	
9 1,4-Dichlorobenzene	146		9.140	9.148	(1.003)	2252	0.02486	0.02486
\$ 10 1,2-Dichlorobenzene-d4	152		9.474	9.474	(1.040)	302273	4.67037	4.670
12 1,2-Dichlorobenzene	146		Compound Not Detected.					
11 Benzyl alcohol	108		Compound Not Detected.					
14 2,2'-oxybis(1-Chloropropane)	121		Compound Not Detected.					
13 2-Methylphenol	108		Compound Not Detected.					
17 Hexachloroethane	117		Compound Not Detected.					
16 N-Nitroso-di-n-propylamine	70		Compound Not Detected.					
15 4-Methylphenol	108		9.916	9.901	(1.089)	7821	0.08906	0.08906
\$ 18 Nitrobenzene-d5	82		10.203	10.211	(0.880)	478039	4.63856	4.639
19 Nitrobenzene	77		Compound Not Detected.					
20 Isophorone	82		Compound Not Detected.					
21 2-Nitrophenol	139		Compound Not Detected.					
22 2,4-Dimethylphenol	107		10.936	10.944	(0.944)	4496	0.05641	0.05641
23 Bis(2-Chloroethoxy)methane	93		Compound Not Detected.					
24 Benzoic acid	105		11.089	11.123	(0.957)	103135	2.50201	2.502
25 2,4-Dichlorophenol	162		11.360	11.352	(0.980)	3791	0.04680	0.04680
26 1,2,4-Trichlorobenzene	180		Compound Not Detected.					
* 27 Naphthalene-d8	136		11.589	11.604	(1.000)	968530	4.00000	
28 Naphthalene	128		11.635	11.643	(1.004)	166588	0.67206	0.6721
29 4-Chloroaniline	127		Compound Not Detected.					
30 Hexachlorobutadiene	225		Compound Not Detected.					
31 4-Chloro-3-methylphenol	107		Compound Not Detected.					
32 2-Methylnaphthalene	142		13.035	13.043	(1.125)	45448	0.18448	0.1845
33 Hexachlorocyclopentadiene	237		Compound Not Detected.					

Compounds	QUANT	SIG	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS	
							ON-COLUMN	FINAL
	MASS						(ug/mL)	(ug/mL)
=====	=====		=====	=====	=====	=====	=====	=====
34 2,4,6-Trichlorophenol	196		13.670	13.677	(0.898)	3074	0.05379	0.05379
35 2,4,5-Trichlorophenol	196		13.778	13.770	(0.905)	3334	0.04855	0.04855
\$ 36 2-Fluorobiphenyl	172		13.817	13.824	(0.908)	1154692	5.07480	5.075
37 2-Chloronaphthalene	162		14.026	14.041	(0.922)	3346	0.01668	0.01668
38 2-Nitroaniline	65		Compound Not Detected.					
39 Dimethylphthalate	163		Compound Not Detected.					
40 Acenaphthylene	152		14.900	14.916	(0.979)	28421	0.09670	0.09670
41 2,6-Dinitrotoluene	165		Compound Not Detected.					
* 42 Acenaphthene-d10	164		15.217	15.225	(1.000)	502808	4.00000	
43 3-Nitroaniline	138		Compound Not Detected.					
44 Acenaphthene	153		15.279	15.295	(1.004)	8136	0.05564	0.05564
45 2,4-Dinitrophenol	184		Compound Not Detected.					
46 Dibenzofuran	168		15.612	15.619	(1.026)	36411	0.15668	0.1567
47 4-Nitrophenol	109		Compound Not Detected.					
48 2,4-Dinitrotoluene	165		Compound Not Detected.					
50 Diethylphthalate	149		16.176	16.191	(1.063)	24138	0.15958	0.1596
49 Fluorene	166		16.331	16.338	(1.073)	17897	0.06445	0.06445
51 4-Chlorophenyl-phenylether	204		Compound Not Detected.					
52 4-Nitroaniline	138		Compound Not Detected.					
53 4,6-Dinitro-2-methylphenol	198		Compound Not Detected.					
54 N-Nitrosodiphenylamine	169		Compound Not Detected.					
\$ 55 2,4,6-Tribromophenol	330		16.870	16.878	(1.109)	177318	7.73576	7.736
56 4-Bromophenyl-phenylether	248		Compound Not Detected.					
57 Hexachlorobenzene	284		Compound Not Detected.					
58 Pentachlorophenol	266		18.022	18.029	(0.986)	3115	0.26397	0.2640
* 59 Phenanthrene-d10	188		18.277	18.277	(1.000)	787981	4.00000	
60 Phenanthrene	178		18.323	18.331	(1.003)	144435	0.69769	0.6977
61 Anthracene	178		18.416	18.424	(1.008)	31795	0.14412	0.1441
62 Carbazole	167		18.749	18.757	(1.026)	11246	0.05526	0.05526
63 Di-n-butylphthalate	149		19.546	19.554	(1.069)	8018	0.02633	0.02633
64 Fluoranthene	202		20.730	20.722	(0.888)	137758	1.15542	1.155
65 Pyrene	202		21.147	21.147	(0.906)	118881	1.13922	1.139
\$ 66 Terphenyl-d14	244		21.434	21.434	(0.918)	340974	5.80996	5.810
67 Butylbenzylphthalate	149		Compound Not Detected.					
68 Benzo(a)anthracene	228		23.323	23.331	(0.999)	23474	0.32940	0.3294
* 69 Chrysene-d12	240		23.354	23.354	(1.000)	168174	4.00000	
70 3,3'-Dichlorobenzidine	252		Compound Not Detected.					
71 Chrysene	228		23.400	23.400	(1.002)	24336	0.51410	0.5141
72 bis(2-Ethylhexyl)phthalate	149		23.400	23.400	(0.959)	7391	0.20334	0.2033
* 134 Di-n-octylphthalate-d4	153		24.407	24.407	(1.000)	328842	4.00000	
73 Di-n-octylphthalate	149		Compound Not Detected.					
74 Benzo(b)fluoranthene	252		25.258	25.251	(0.969)	18627	0.32647	0.3265
75 Benzo(k)fluoranthene	252		25.297	25.297	(0.971)	15694	0.28606	0.2861 (M)
76 Benzo(a)pyrene	252		25.940	25.924	(0.995)	17607	0.37705	0.3771
* 77 Perylene-d12	264		26.064	26.041	(1.000)	125982	4.00000	
78 Indeno(1,2,3-cd)pyrene	276		28.830	28.806	(1.106)	9985	0.20027	0.2003
79 Dibenzo(a,h)anthracene	278		28.845	28.814	(1.107)	3045	0.07978	0.07978 (M)
80 Benzo(g,h,i)perylene	276		29.638	29.622	(1.137)	10929	0.27422	0.2742
90 N-Nitrosodimethylamine	74		Compound Not Detected.					
91 Aniline	93		Compound Not Detected.					
93 Benzidine	184		Compound Not Detected.					
103 Pyridine	79		Compound Not Detected.					
105 1-methylnaphthalene	142		13.259	13.267	(1.144)	31808	0.13142	0.1314
111 Azobenzene (1,2-DP-Hydrazine)	77		Compound Not Detected.					

Compounds	QUANT SIG	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS	
						ON-COLUMN (ug/mL)	FINAL (ug/mL)
187 Total Benzofluoranthenes	252	25.258	25.251	(0.969)	36037	0.67742	0.6774
120 2,3,4,6-Tetrachlorophenol	232	Compound Not Detected.					

QC Flag Legend

- M - Compound response manually integrated.
- H - Operator selected an alternate compound hit.

ARI Labs, Inc.

INTERNAL STANDARD COMPOUNDS
 AREA AND RT SUMMARY

Instrument ID: nt10.i Calibration Date: 30-JUN-2022
 Lab File ID: NT1022063008.D Calibration Time: 14:09
 Lab Smp Id: 22F0267-01
 Analysis Type: SV Level:
 Quant Type: ISTD Sample Type:
 Operator: VTS
 Method File: \\target\share\chem3\nt10.i\20220630.b\ABN.m
 Misc Info:

Test Mode:
 Use Last Continuing Calibrator.

COMPOUND	STANDARD	AREA LIMIT		SAMPLE	%DIFF
		LOWER	UPPER		
8 1,4-Dichlorobenze	207392	103696	414784	282294	36.12
27 Naphthalene-d8	696938	348469	1393876	968530	38.97
42 Acenaphthene-d10	395441	197721	790882	502808	27.15
59 Phenanthrene-d10	603067	301534	1206134	787981	30.66
69 Chrysene-d12	148146	74073	296292	168174	13.52
134 Di-n-octylphthala	308009	154005	616018	328842	6.76
77 Perylene-d12	115550	57775	231100	125982	9.03

COMPOUND	STANDARD	RT LIMIT		SAMPLE	%DIFF
		LOWER	UPPER		
8 1,4-Dichlorobenze	9.12	8.62	9.62	9.11	-0.09
27 Naphthalene-d8	11.60	11.10	12.10	11.59	-0.13
42 Acenaphthene-d10	15.23	14.73	15.73	15.22	-0.05
59 Phenanthrene-d10	18.28	17.78	18.78	18.28	-0.00
69 Chrysene-d12	23.35	22.85	23.85	23.35	-0.00
134 Di-n-octylphthala	24.41	23.91	24.91	24.41	-0.00
77 Perylene-d12	26.04	25.54	26.54	26.06	0.09

AREA UPPER LIMIT = +100% of internal standard area.
 AREA LOWER LIMIT = - 50% of internal standard area.
 RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
 RT LOWER LIMIT = - 0.50 minutes of internal standard RT.

REVIEW SUMMARY FOR FILE - NT1022063008.D

Lab ID: 22F0267-01
nt10.i, ABN.m, 30-JUN-2022 18:05

RT CO-ELUTION COMPOUNDS

NO CO-ELUTIONS

Quant Method: ICAL

RRT CHECK

RRT	CCV	RRT	DELTA	COMPOUND
-----	-----	-----	-------	----------

NONE

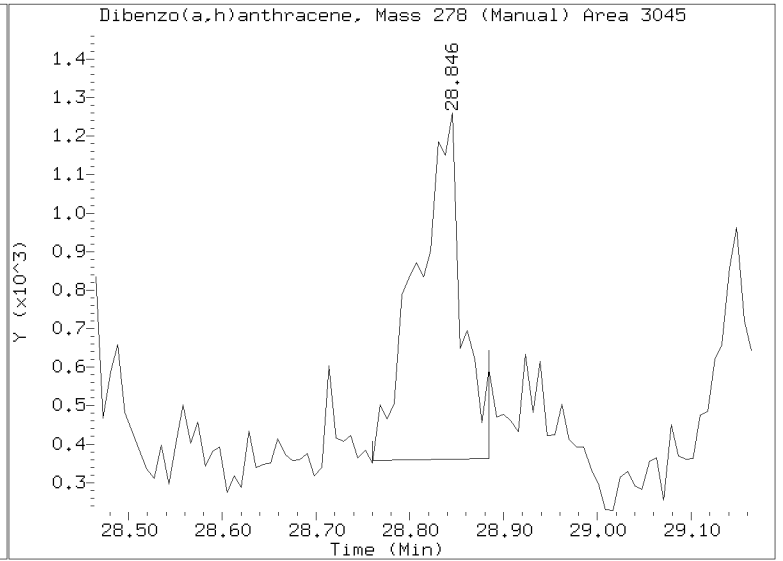
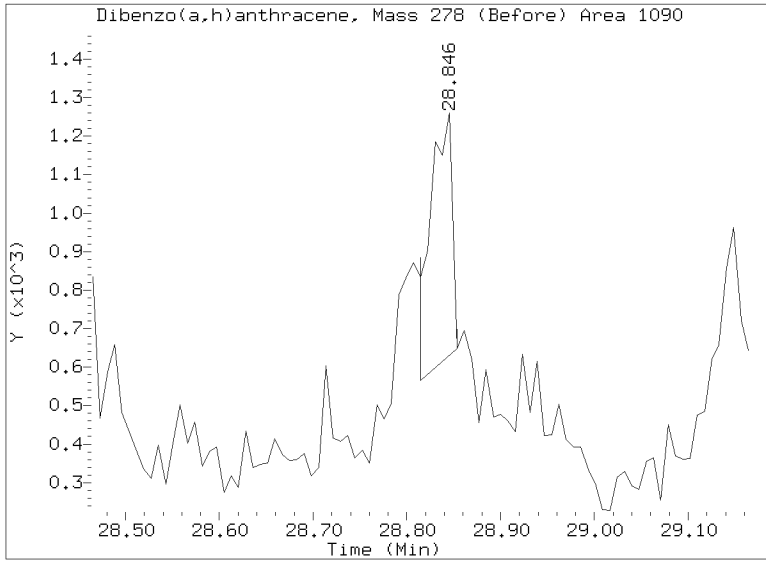
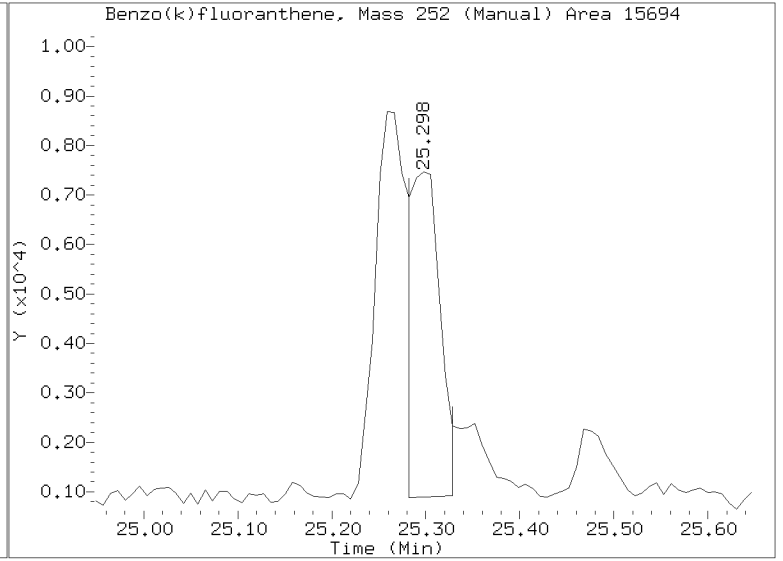
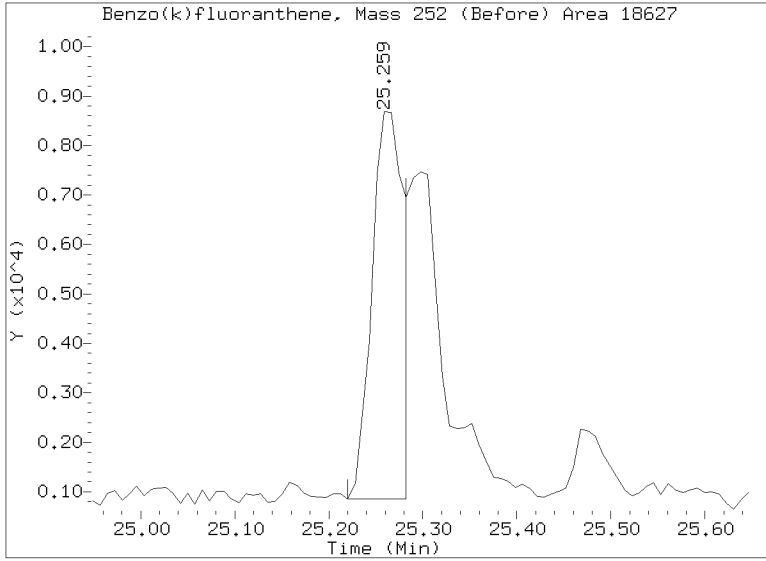
RRT check based on Ccal File: NT1022063002.D

On Column LOD for nt10.i, ABN.m, ICAL.sub = 0.0000

* Only compounds listed in the work order have been verified by the analyst *

Quant Ion Manual Peak Adjustment Report

Datafile: //target/share/chem3/nt10.i/20220630.b/NT1022063008.D
Injection Date: 30-JUN-2022 18:05
Lab ID:22F0267-01 Client ID:
Report Date: 07/01/2022 17:14





Form I
ORGANIC ANALYSIS DATA SHEET
EPA 8270E
Semivolatiles (20ug/kg - 0.2ug/L SepF)

Laboratory: Analytical Resources, LLC
 Client: GeoEngineers
 Project: RG Haley Site-Bellingham
 Matrix: Sediment Laboratory ID: 22F0267-03 A SDG: 22F0267
 Sampled: 06/14/22 13:10 Prepared: 06/21/22 13:45 File ID: NT1022063011.D
 % Solids: 30.08 Preparation: EPA 3546 (Microwave) Analyzed: 06/30/22 20:02
 Batch: BKF0469 Sequence: SKG0010 Initial/Final: 33.28 g Wet / 1 mL
 Instrument: NT10 Column: ZB-5MSi Calibration: FF00062
 Cleanups: GPC

CAS NO.	COMPOUND	DILUTION	CONC: (ug/kg dry)	Q	DL	RL
91-20-3	Naphthalene	1	639		4.2	20.0
91-57-6	2-Methylnaphthalene	1	98.1		4.5	20.0
83-32-9	Acenaphthene	1	163		5.2	20.0
87-86-5	Pentachlorophenol	1	31.2	U	31.2	99.9
85-01-8	Phenanthrene	1	1410		8.7	20.0
206-44-0	Fluoranthene	1	1320		6.1	20.0
56-55-3	Benzo(a)anthracene	1	919		6.0	20.0
218-01-9	Chrysene	1	1230		6.1	20.0
205-99-2	Benzo(b)fluoranthene	1	923		7.0	20.0
207-08-9	Benzo(k)fluoranthene	1	1000		5.0	20.0
50-32-8	Benzo(a)pyrene	1	1350		4.2	20.0
193-39-5	Indeno(1,2,3-cd)pyrene	1	209		14.6	20.0
53-70-3	Dibenzo(a,h)anthracene	1	80.6		17.2	20.0
90-12-0	1-Methylnaphthalene	1	62.3		5.3	20.0

SURROGATES	ADDED: (ug/kg dry)	FOUND: (ug/kg dry)	% REC	QC LIMITS	Q
2-Fluorophenol	749.20	477	63.6	27 - 120	
Phenol-d5	749.20	485	64.7	29 - 120	
2-Chlorophenol-d4	749.20	599	79.9	31 - 120	
1,2-Dichlorobenzene-d4	499.47	414	82.9	32 - 120	
Nitrobenzene-d5	499.47	386	77.3	30 - 120	
2-Fluorobiphenyl	499.47	494	99.0	35 - 120	
2,4,6-Tribromophenol	749.20	484	64.6	24 - 134	
p-Terphenyl-d14	499.47	264	52.9	37 - 120	

Data File: \\target\share\chem3\nt10.1\20220630.1\NT1022063011.D

Date: 30-JUN-2022 20:02

Client ID:

Sample Info: 22F0267-03

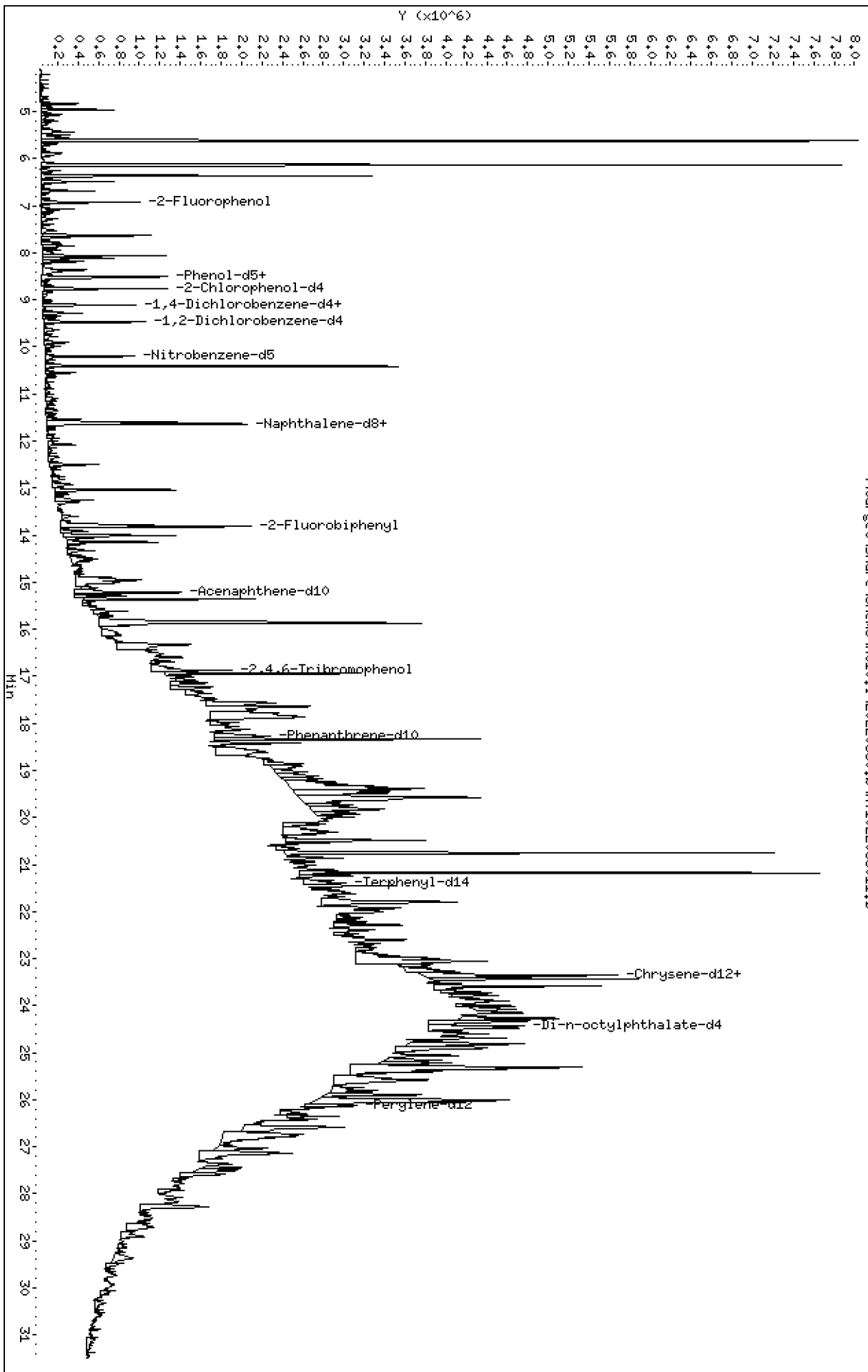
Instrument: nt10.1

Operator: VTS

Column diameter: 0.25

Column phase: ZB-5msi

\\target\share\chem3\nt10.1\20220630.1\NT1022063011.D



Date : 30-JUN-2022 20:02

Client ID:

Instrument: nt10.i

Sample Info: 22F0267-03

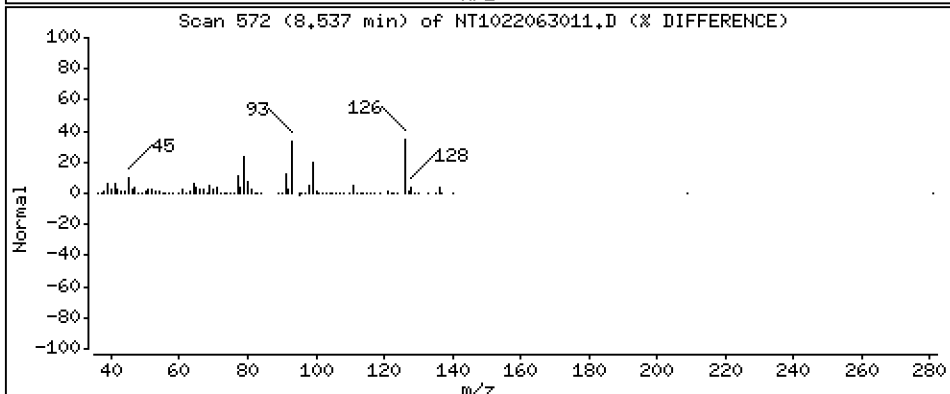
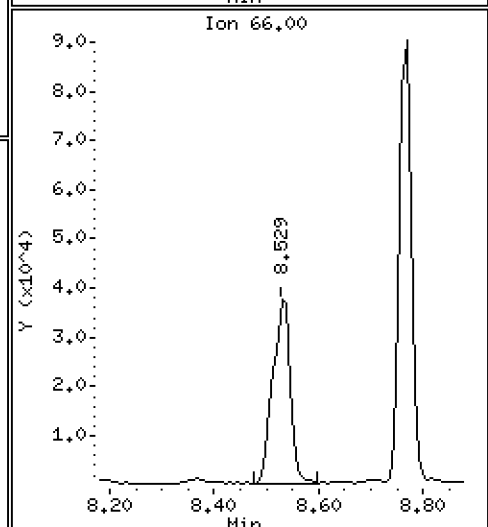
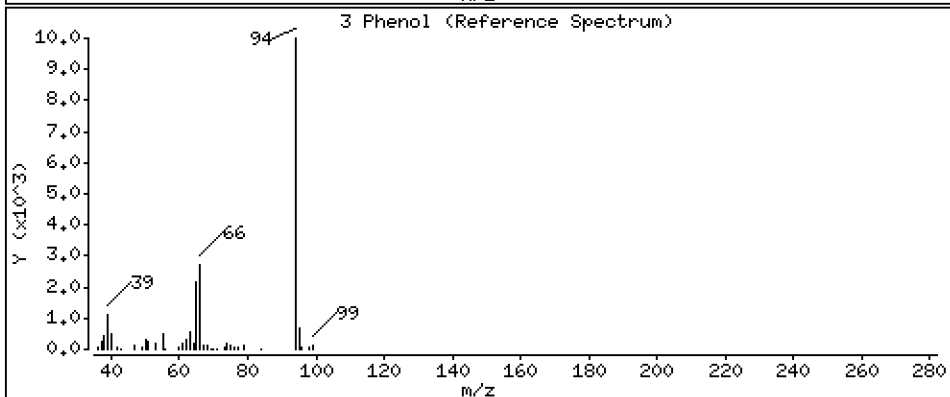
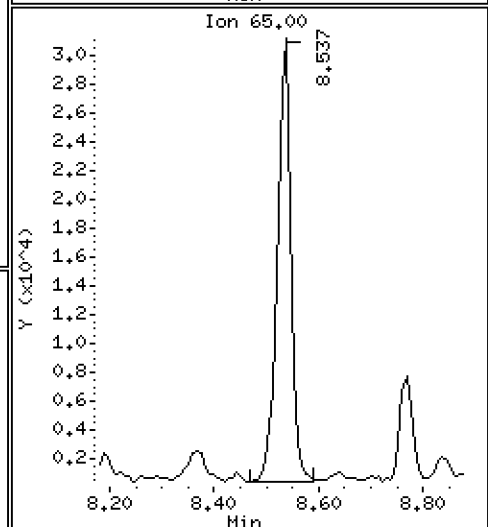
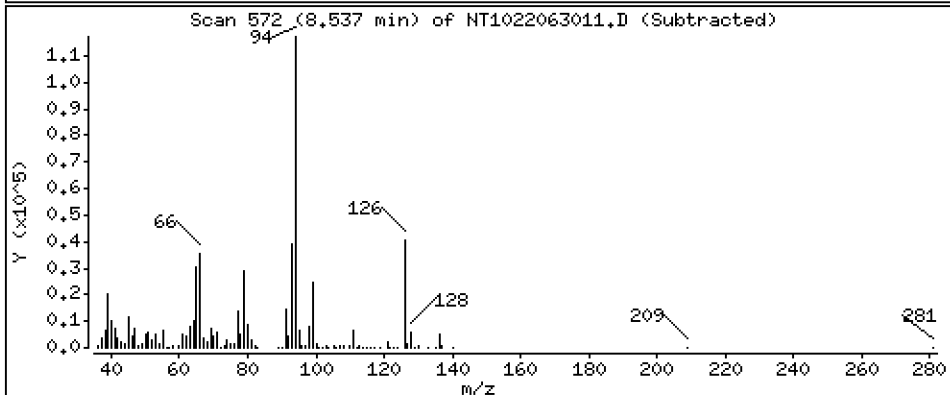
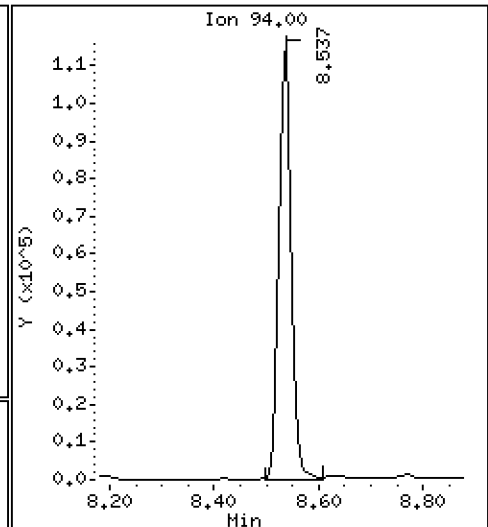
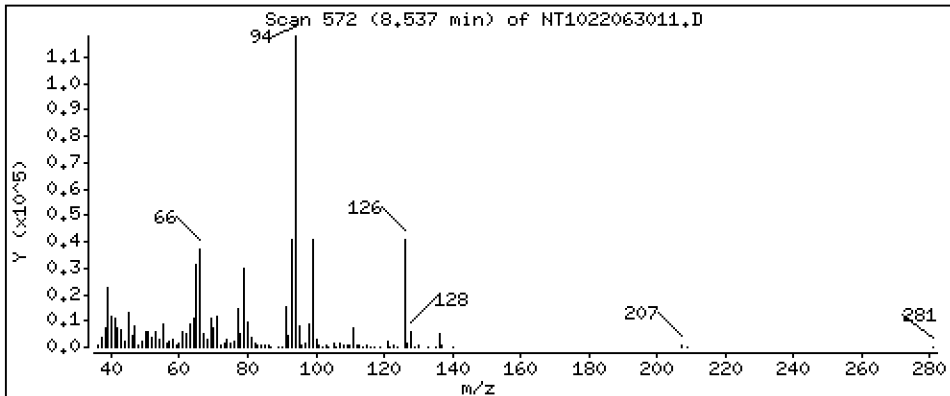
Operator: VTS

Column phase: ZB-5msi

Column diameter: 0,25

3 Phenol

Concentration: 1,427 ug/mL



Date : 30-JUN-2022 20:02

Client ID:

Instrument: nt10.i

Sample Info: 22F0267-03

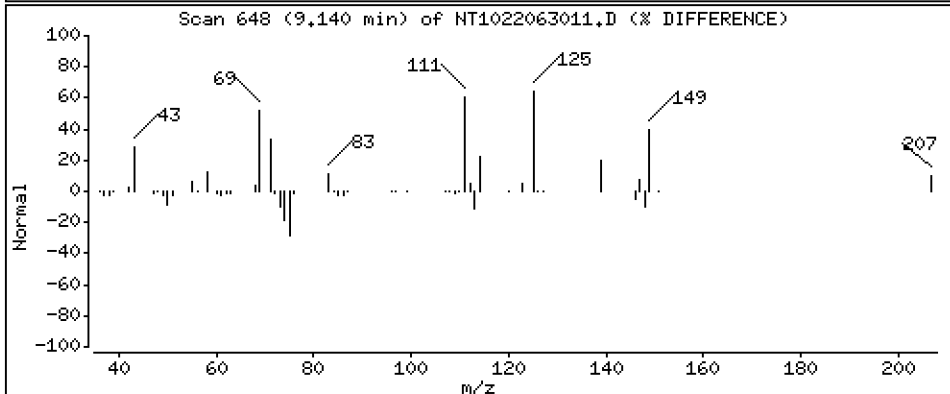
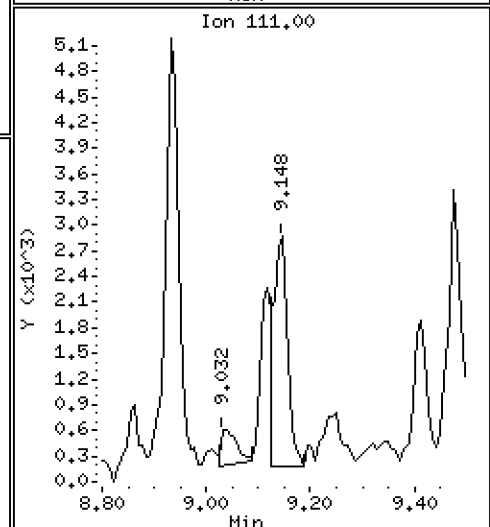
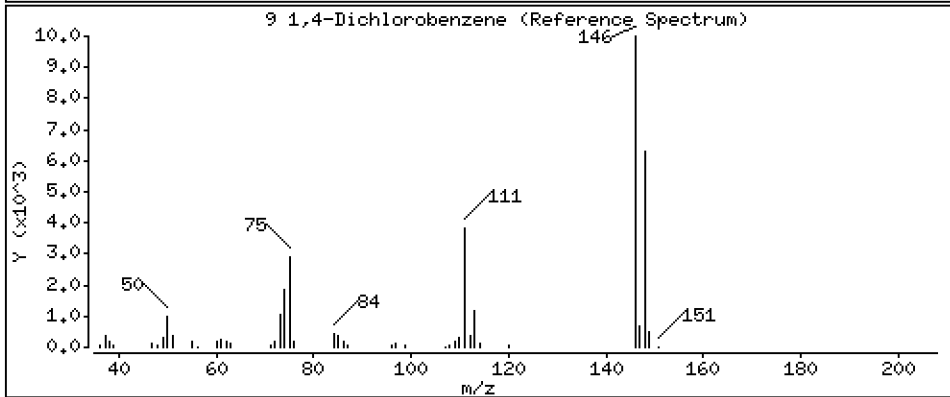
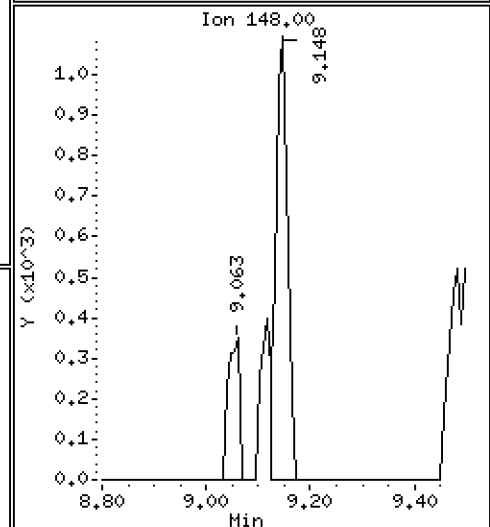
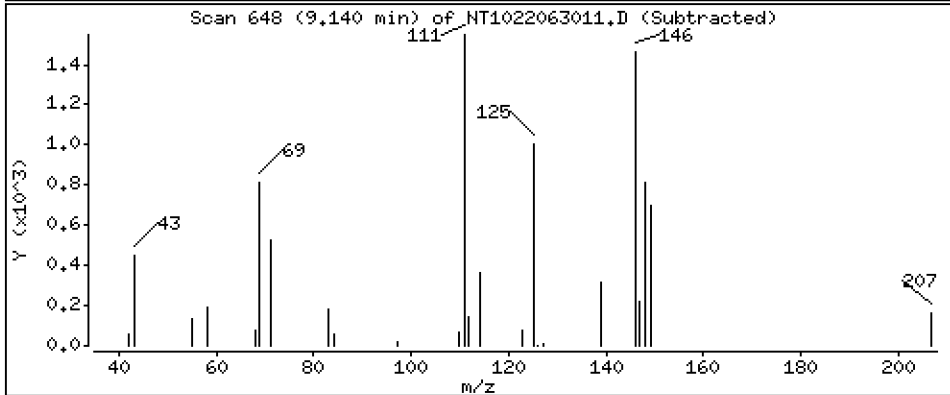
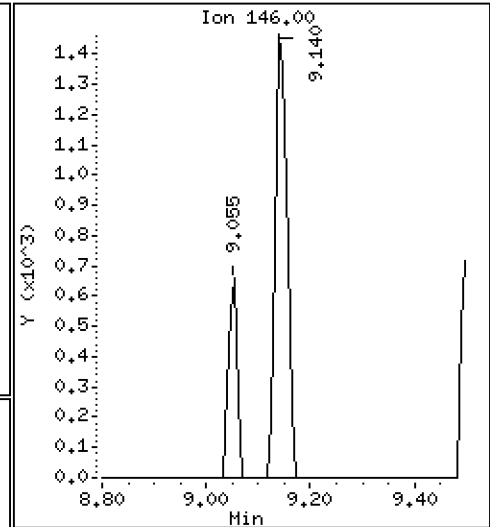
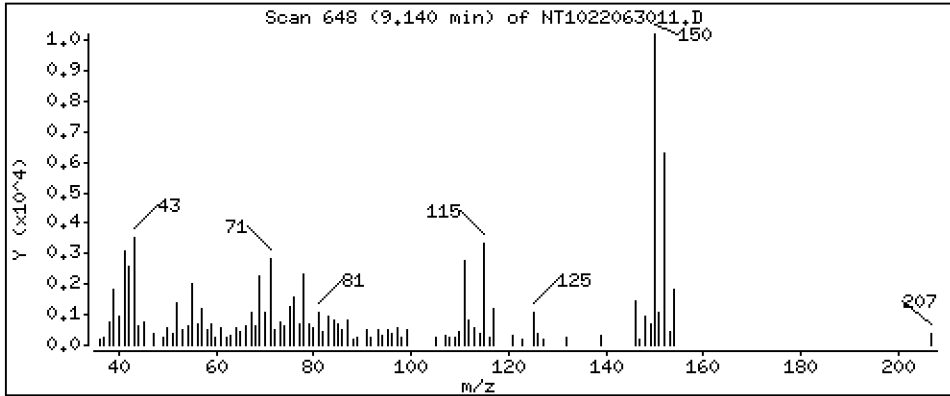
Operator: VTS

Column phase: ZB-5msi

Column diameter: 0.25

9 1,4-Dichlorobenzene

Concentration: 0.02542 ug/mL



Date : 30-JUN-2022 20:02

Client ID:

Instrument: nt10.i

Sample Info: 22F0267-03

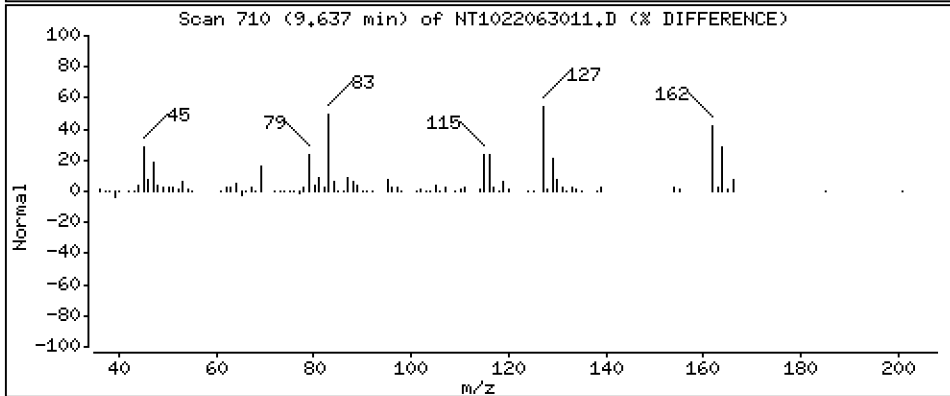
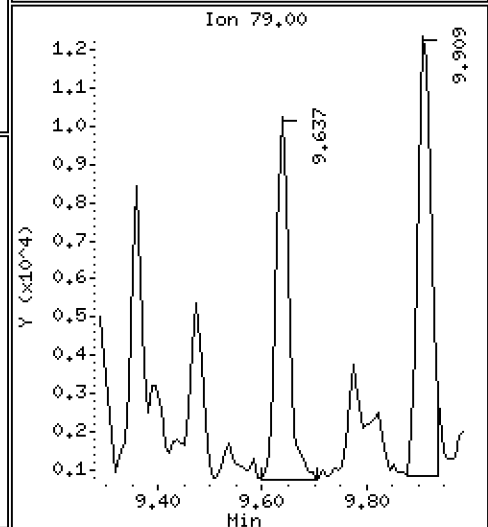
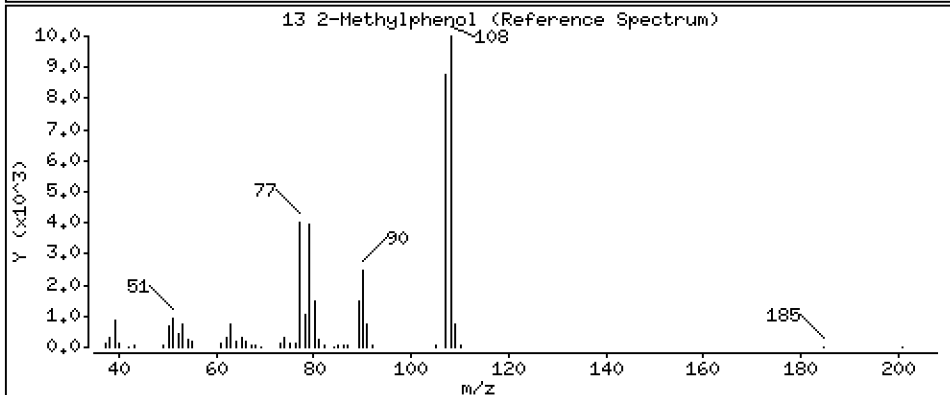
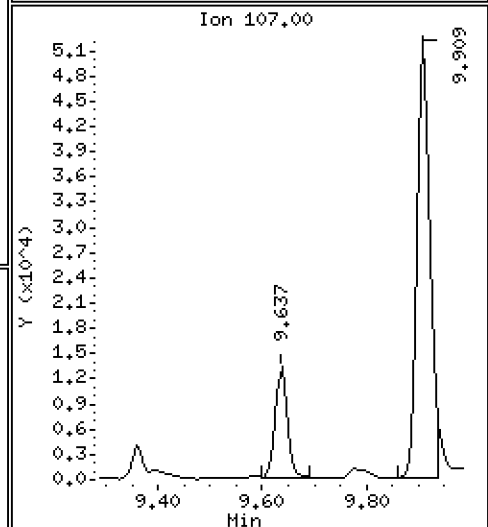
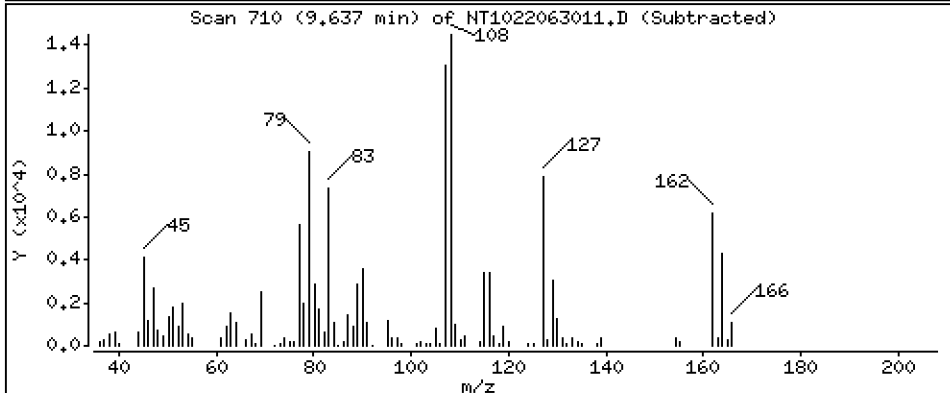
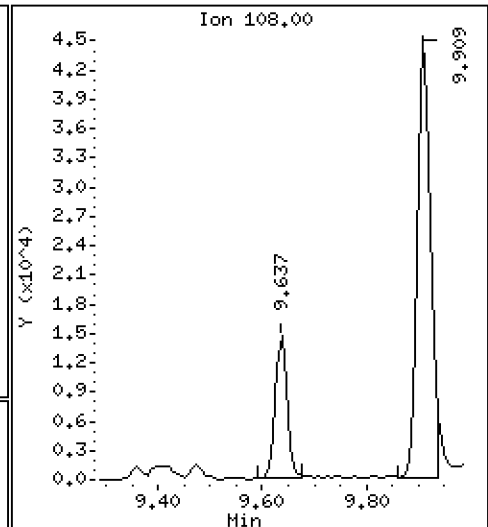
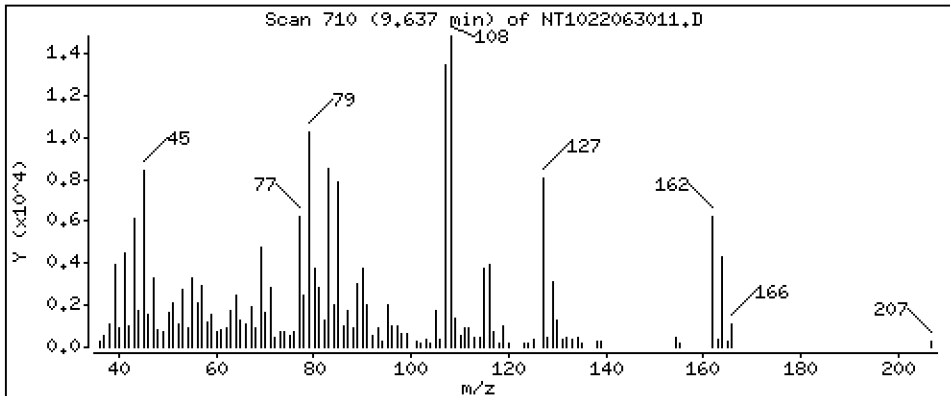
Operator: VTS

Column phase: ZB-5msi

Column diameter: 0.25

13 2-Methylphenol

Concentration: 0.2757 ug/mL



Date : 30-JUN-2022 20:02

Client ID:

Instrument: nt10.i

Sample Info: 22F0267-03

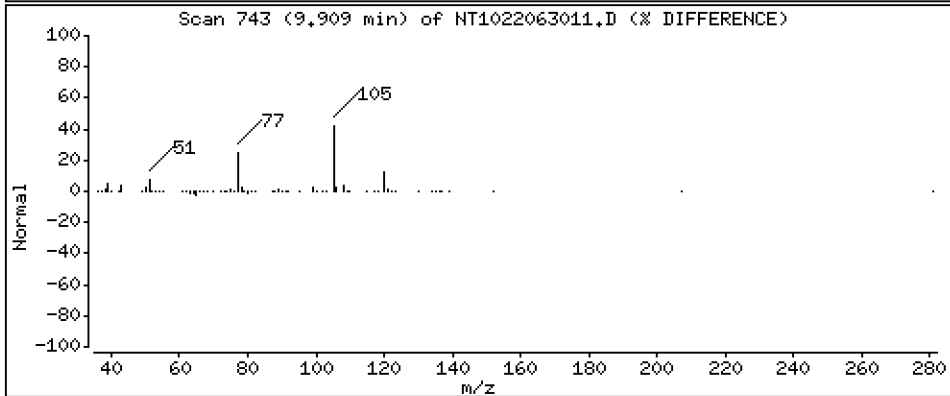
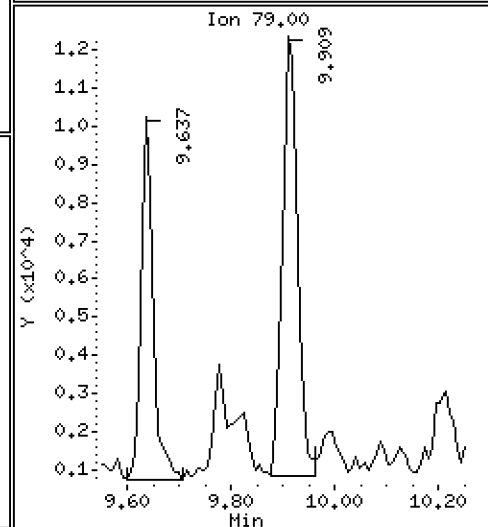
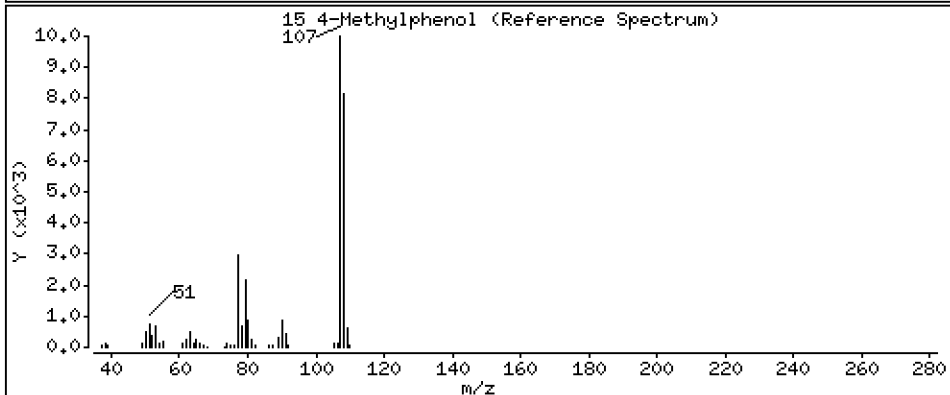
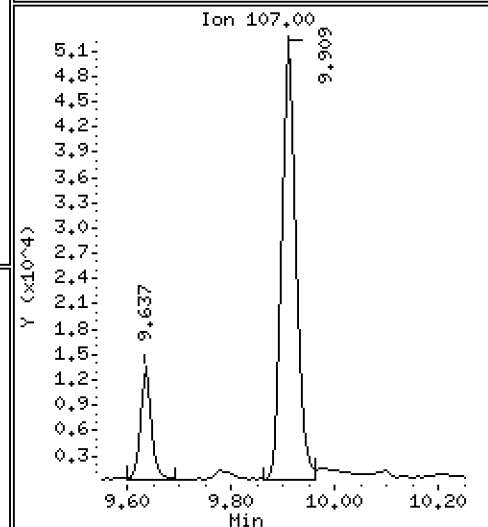
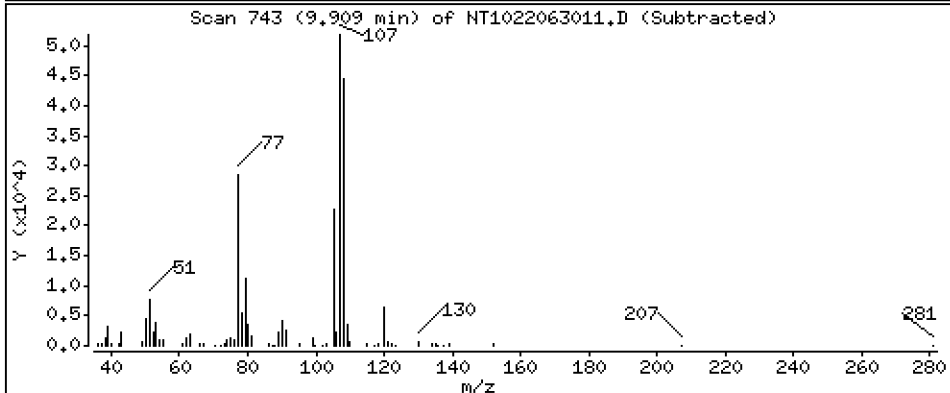
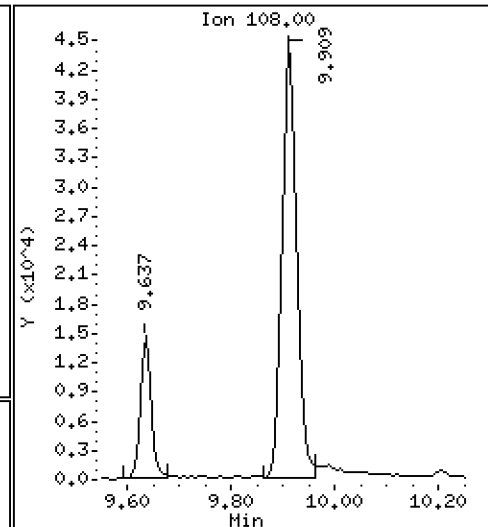
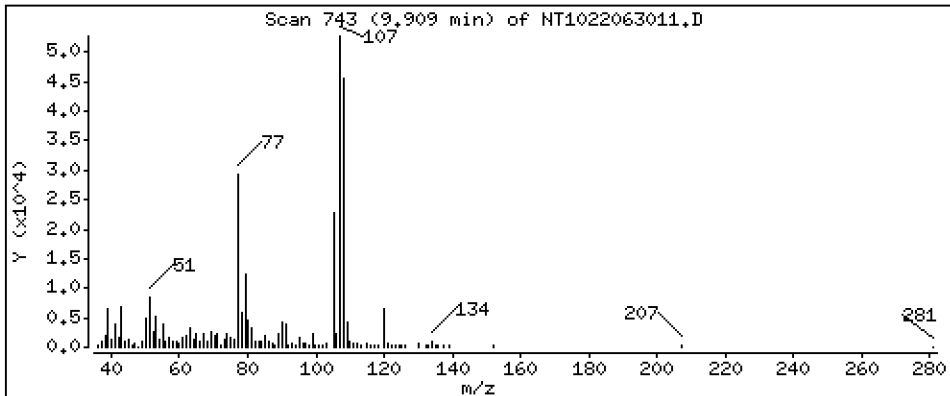
Operator: VTS

Column phase: ZB-5msi

Column diameter: 0,25

15 4-Methylphenol

Concentration: 1,025 ug/mL



Date : 30-JUN-2022 20:02

Client ID:

Instrument: nt10.i

Sample Info: 22F0267-03

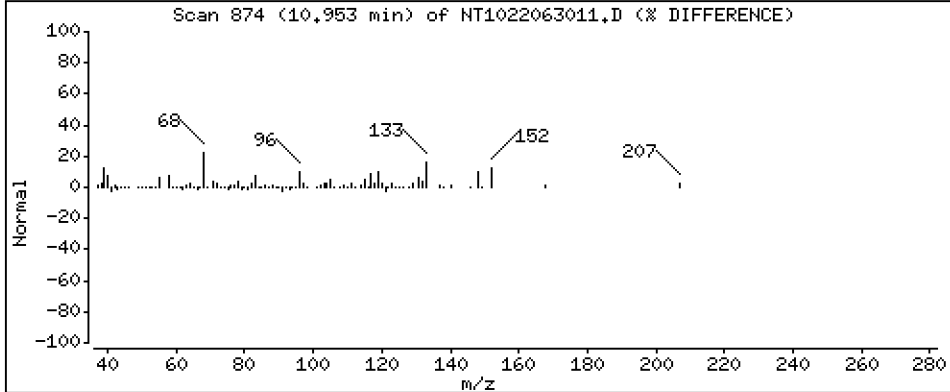
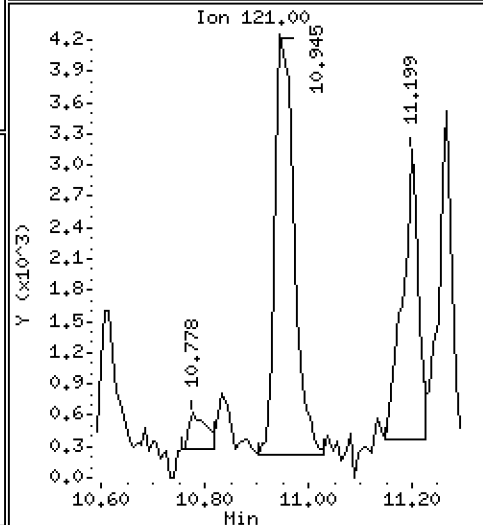
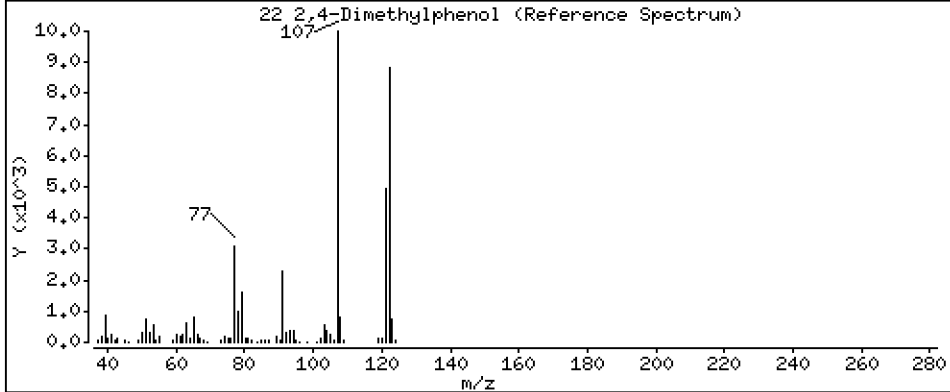
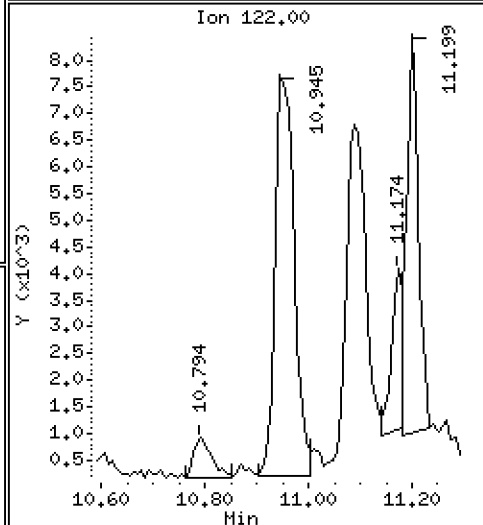
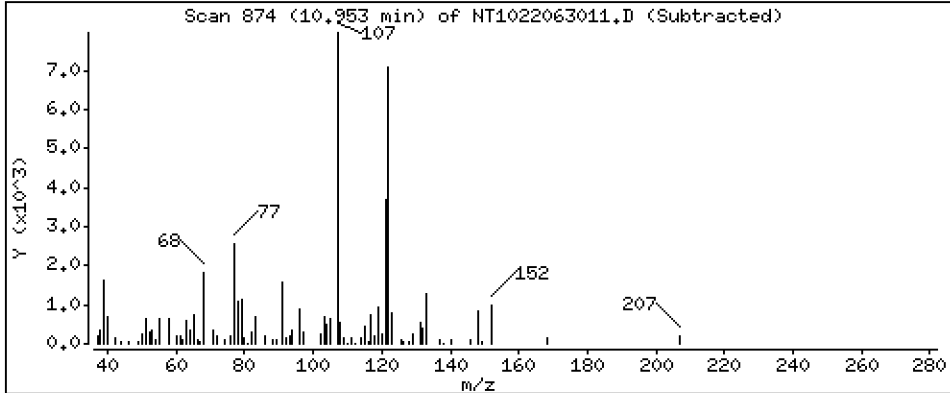
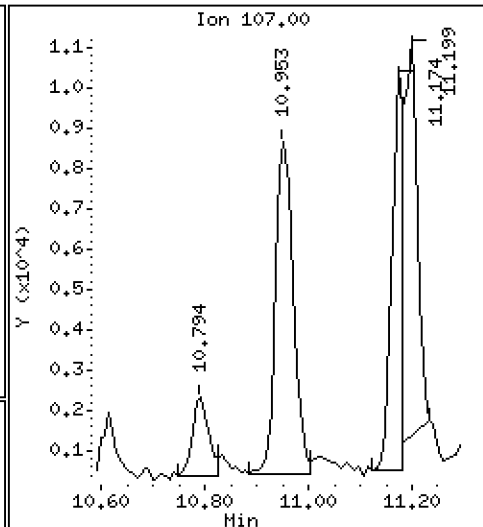
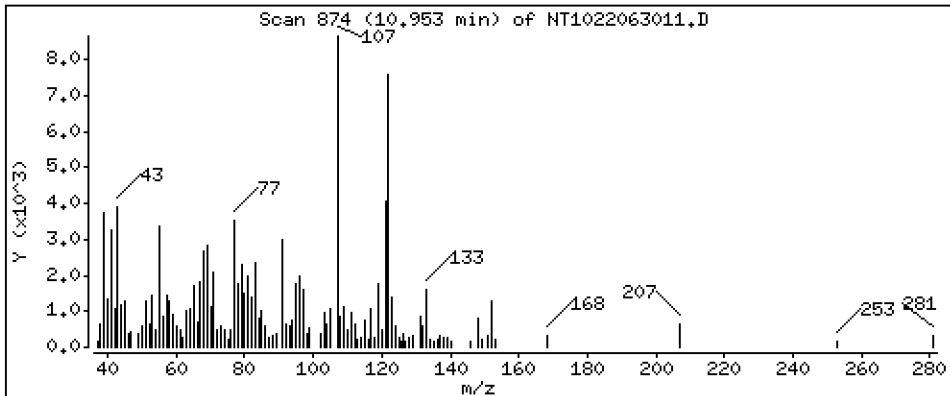
Operator: VTS

Column phase: ZB-5msi

Column diameter: 0,25

22 2,4-Dimethylphenol

Concentration: 0,2509 ug/mL



Date : 30-JUN-2022 20:02

Client ID:

Instrument: nt10.i

Sample Info: 22F0267-03

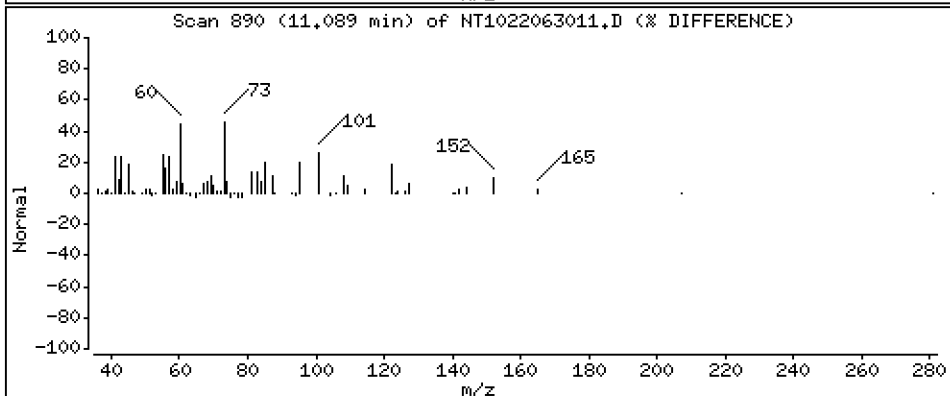
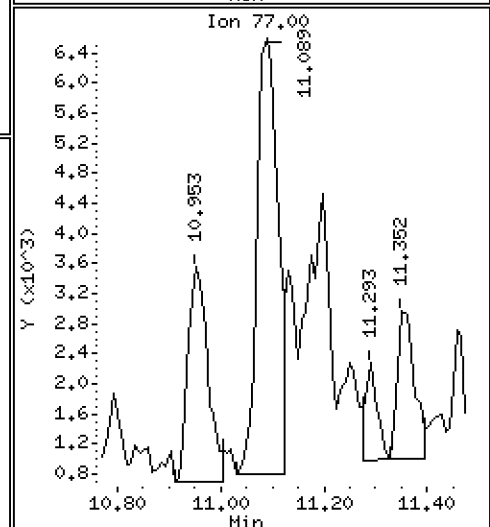
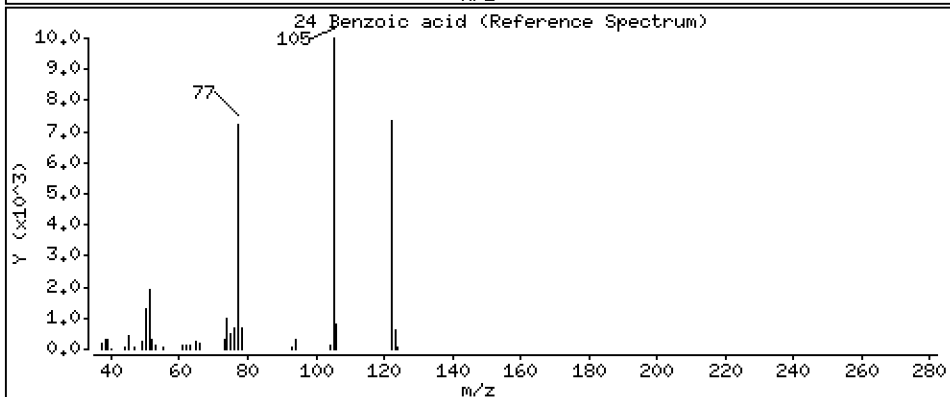
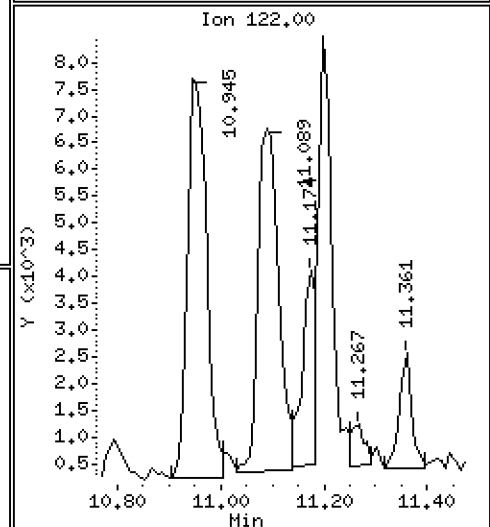
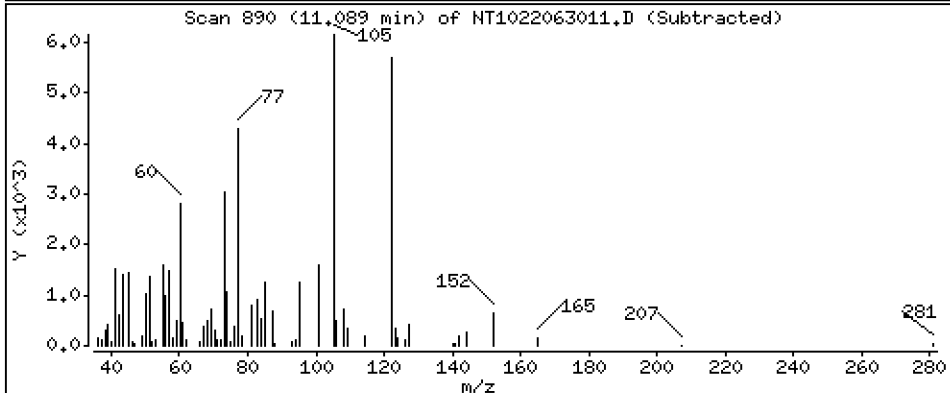
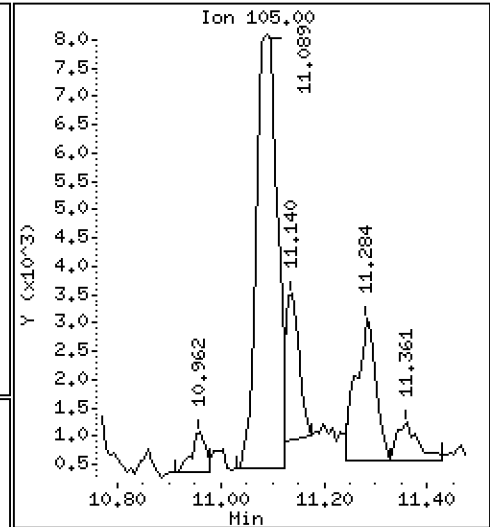
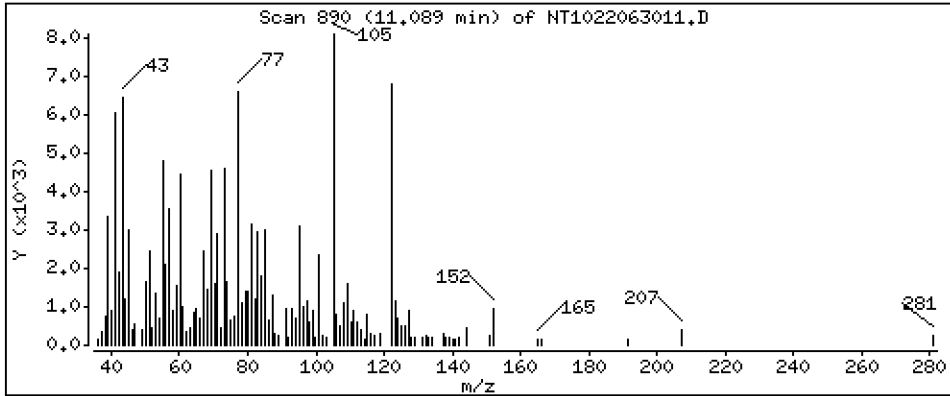
Operator: VTS

Column phase: ZB-5msi

Column diameter: 0.25

24 Benzoic acid

Concentration: 0.5263 ug/mL



Date : 30-JUN-2022 20:02

Client ID:

Instrument: nt10.i

Sample Info: 22F0267-03

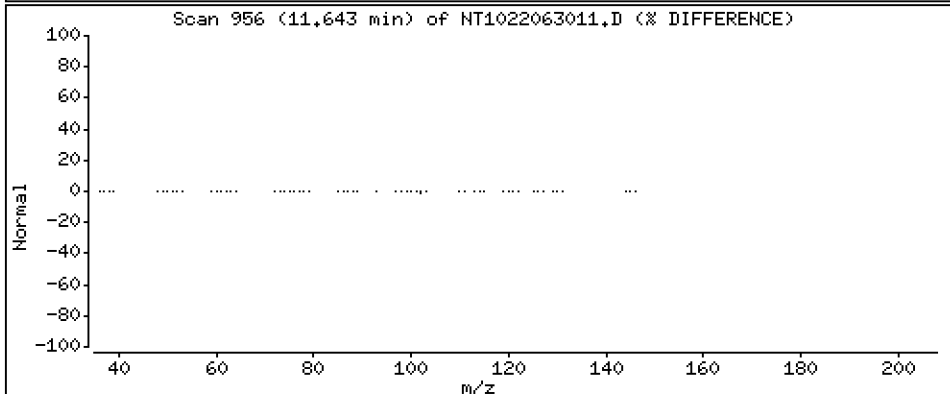
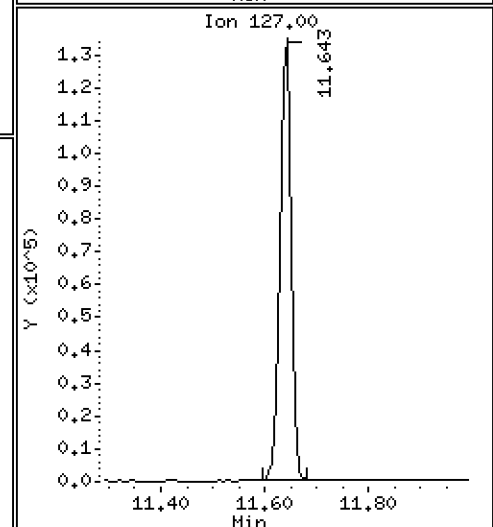
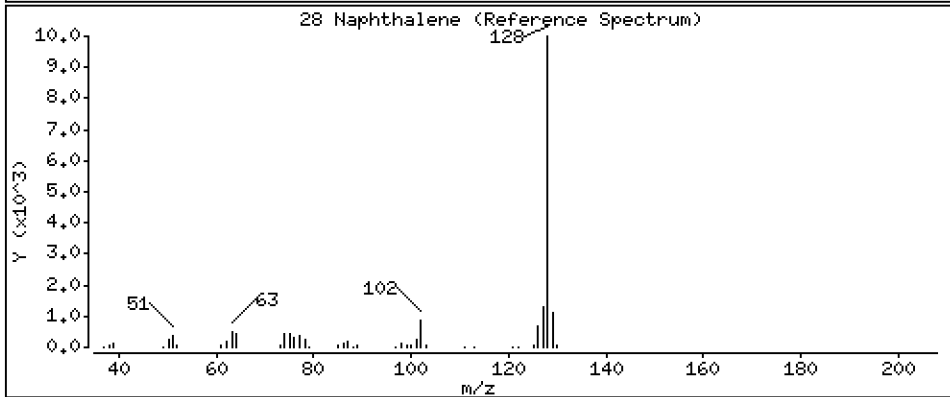
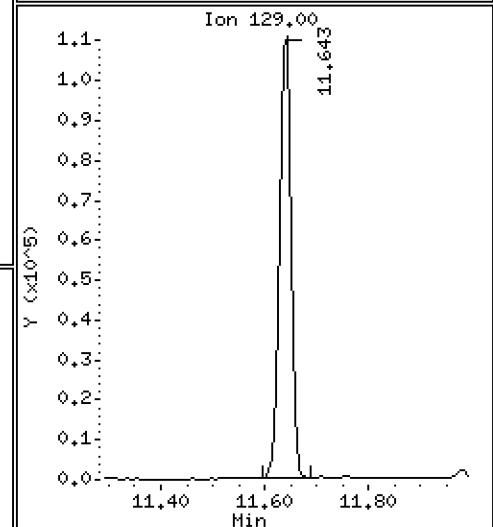
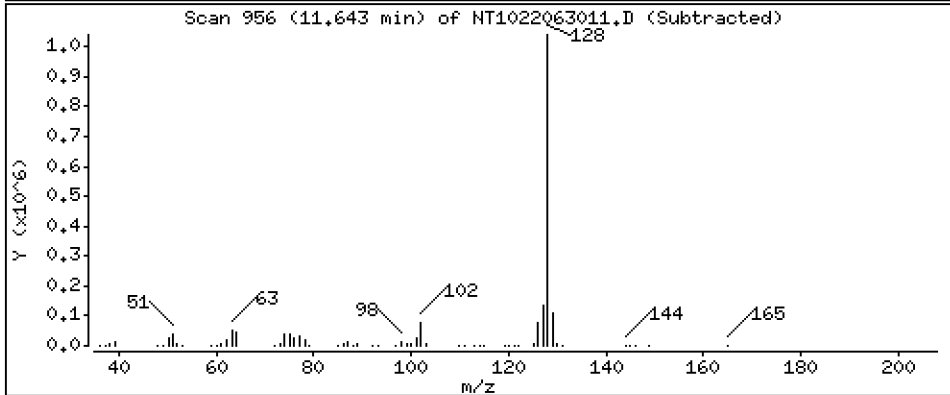
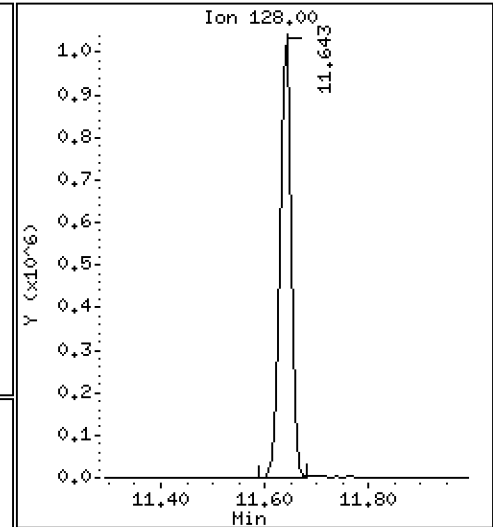
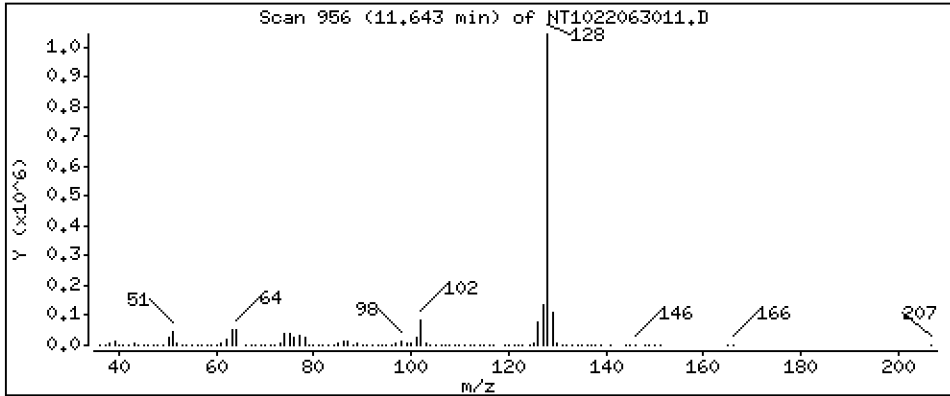
Operator: VTS

Column phase: ZB-5msi

Column diameter: 0.25

28 Naphthalene

Concentration: 6.398 ug/mL



Date : 30-JUN-2022 20:02

Client ID:

Instrument: nt10.i

Sample Info: 22F0267-03

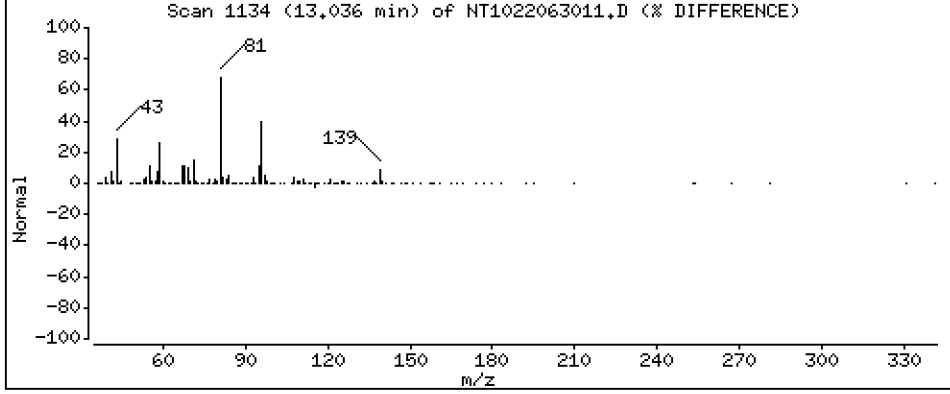
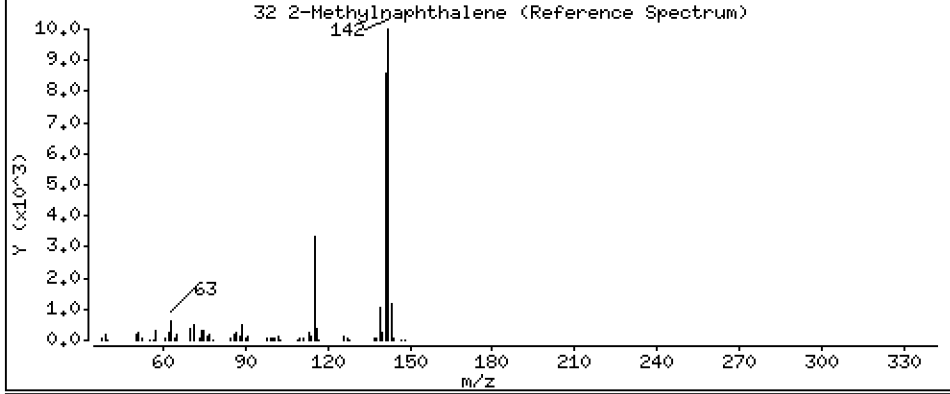
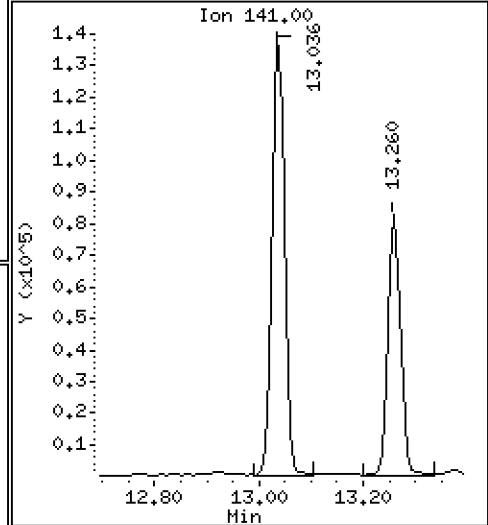
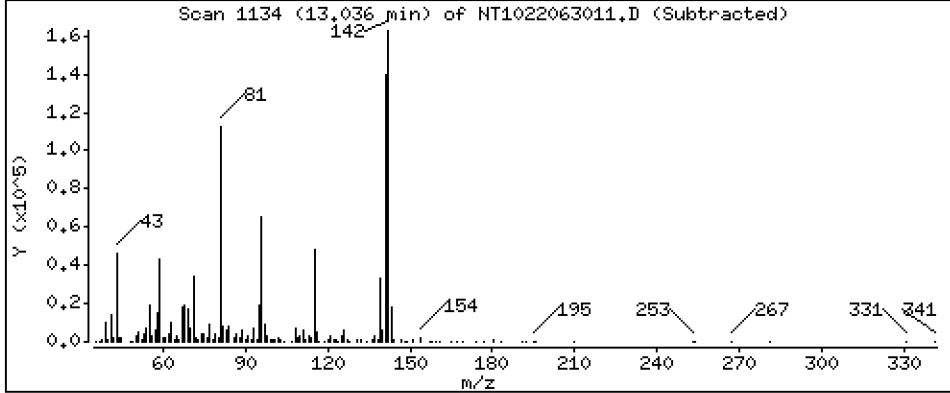
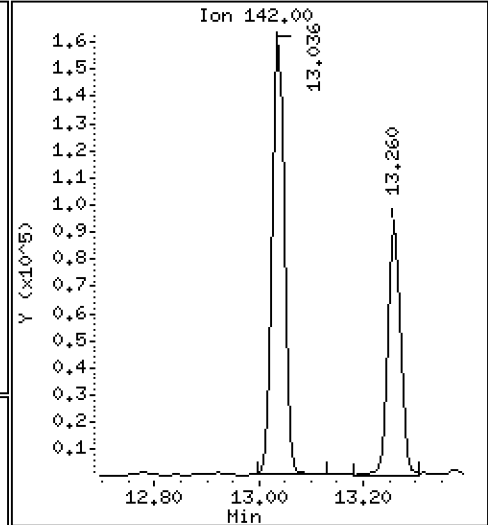
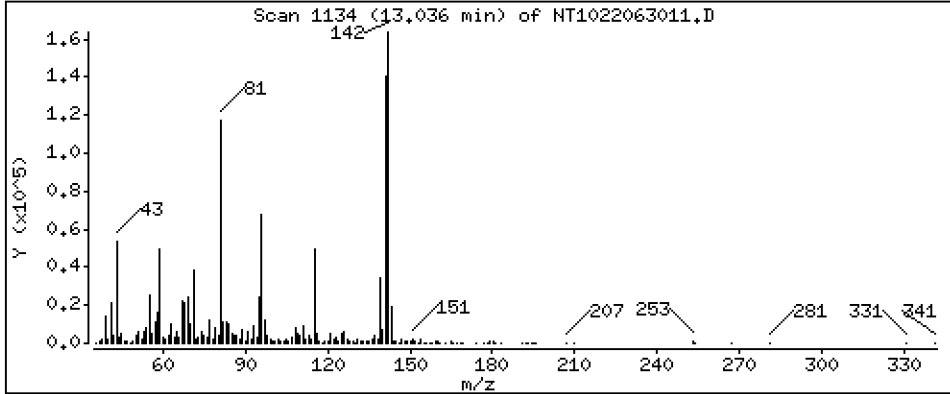
Operator: VTS

Column phase: ZB-5msi

Column diameter: 0,25

32 2-Methylnaphthalene

Concentration: 0,9820 ug/mL



Date : 30-JUN-2022 20:02

Client ID:

Instrument: nt10.i

Sample Info: 22F0267-03

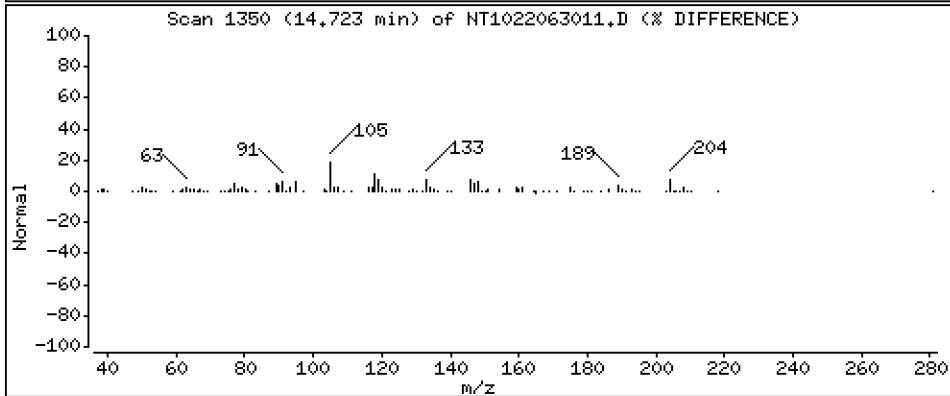
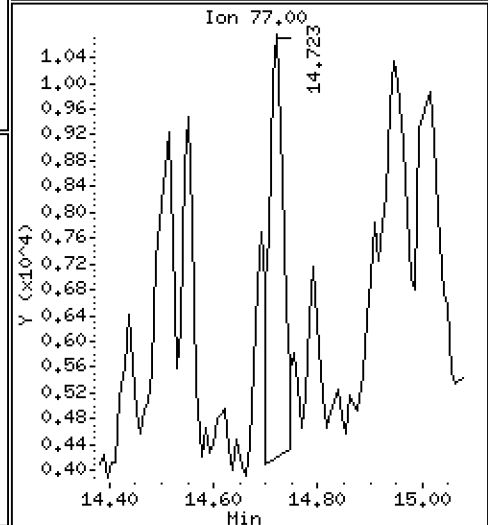
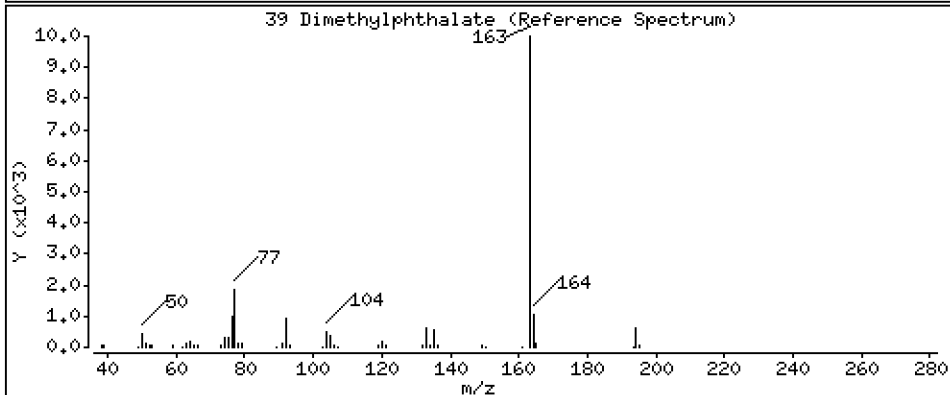
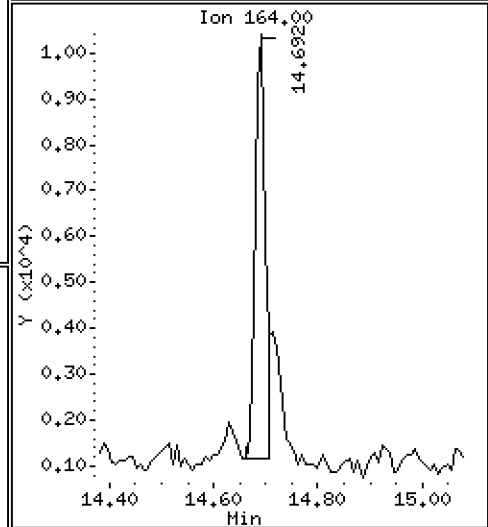
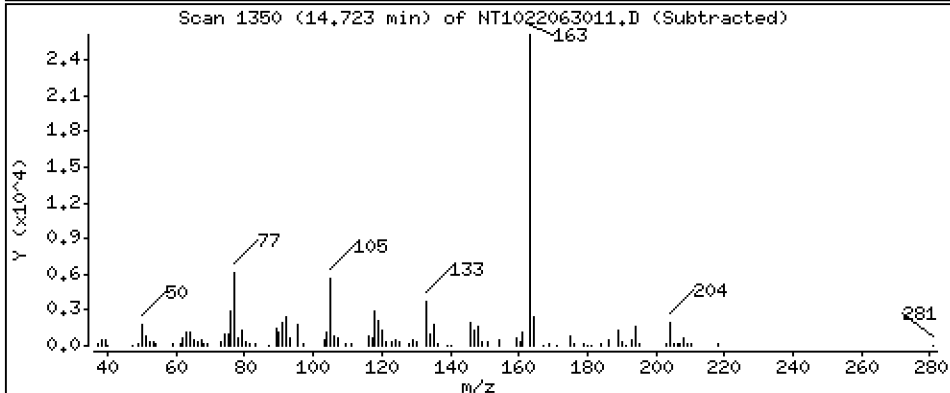
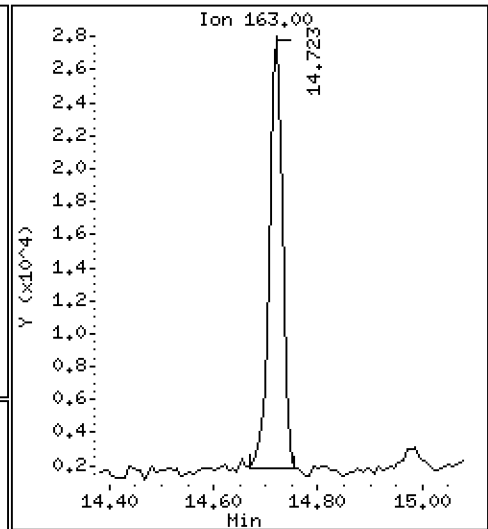
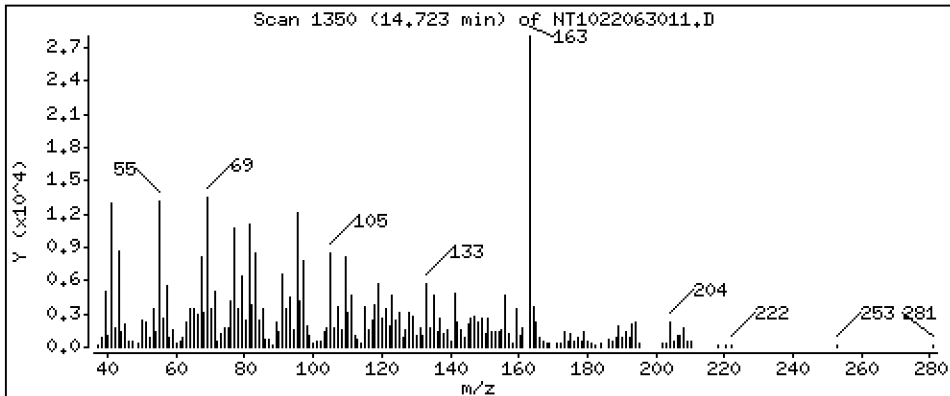
Operator: VTS

Column phase: ZB-5msi

Column diameter: 0.25

39 Dimethylphthalate

Concentration: 0.2927 ug/mL



Date : 30-JUN-2022 20:02

Client ID:

Instrument: nt10.i

Sample Info: 22F0267-03

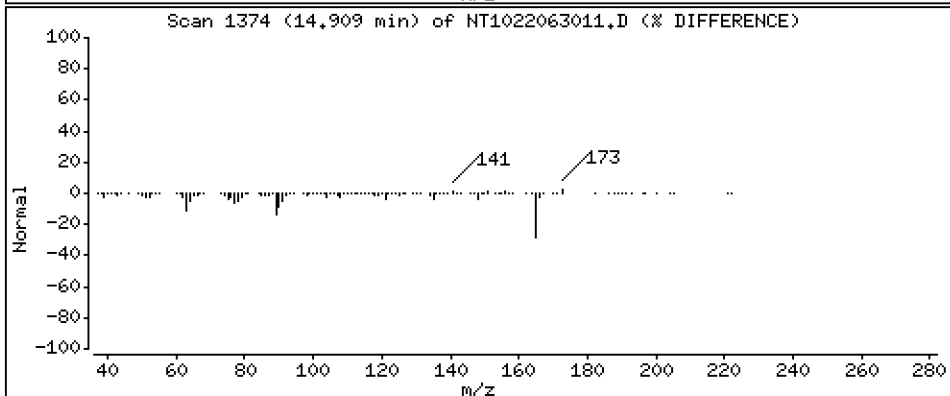
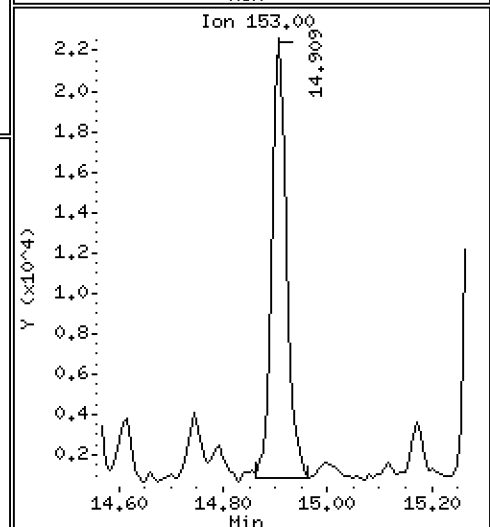
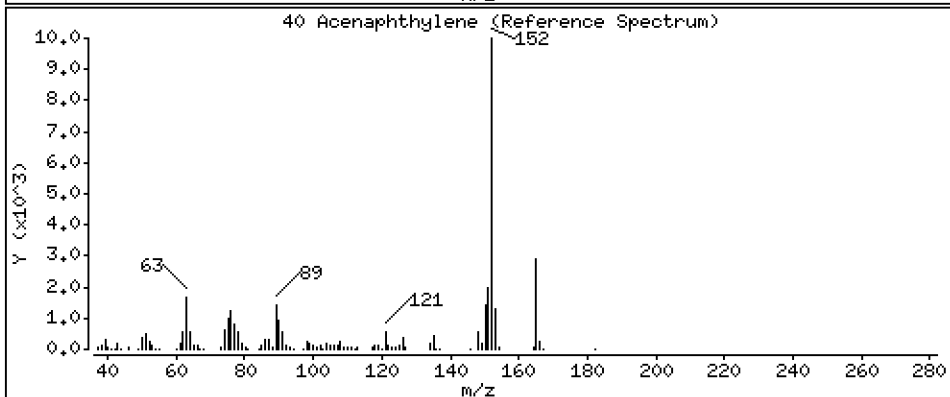
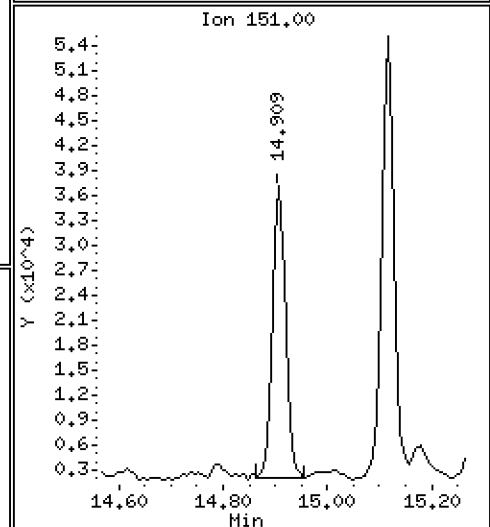
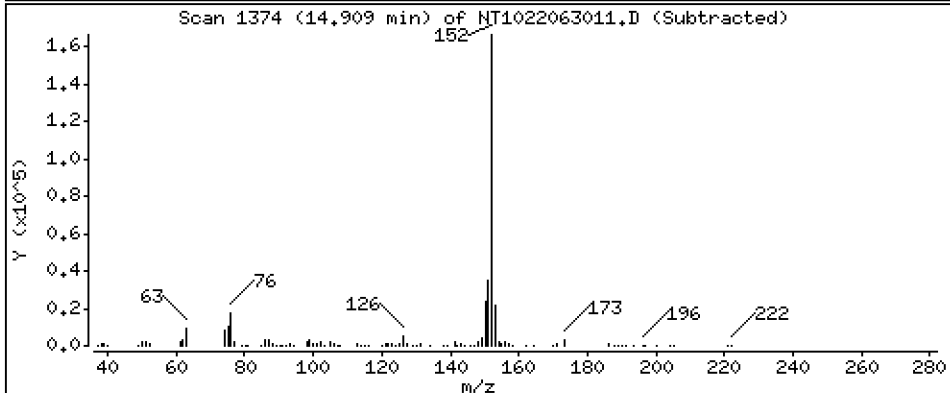
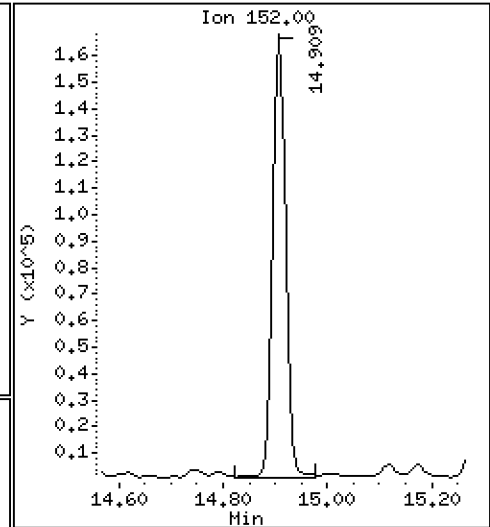
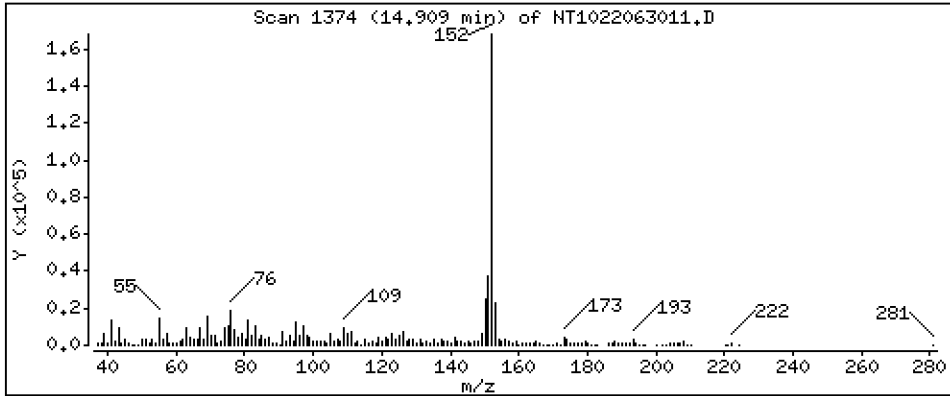
Operator: VTS

Column phase: ZB-5msi

Column diameter: 0,25

40 Acenaphthylene

Concentration: 1,121 ug/mL



Date : 30-JUN-2022 20:02

Client ID:

Instrument: nt10.i

Sample Info: 22F0267-03

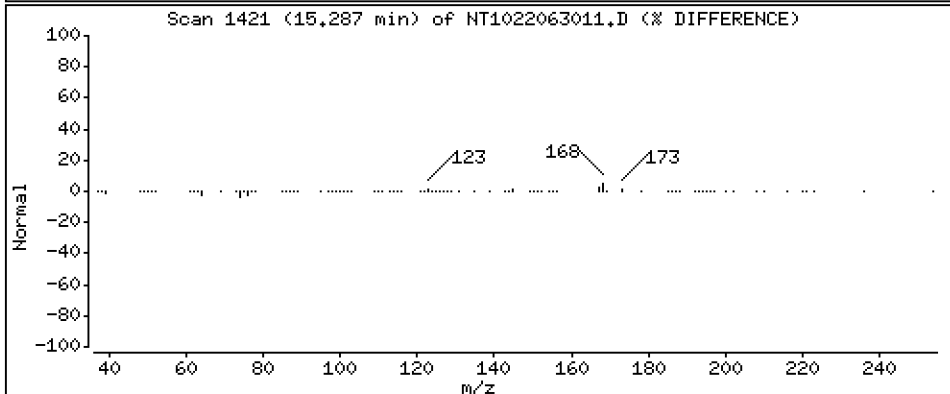
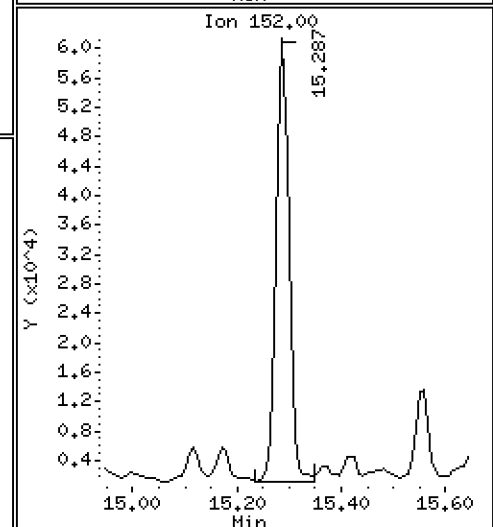
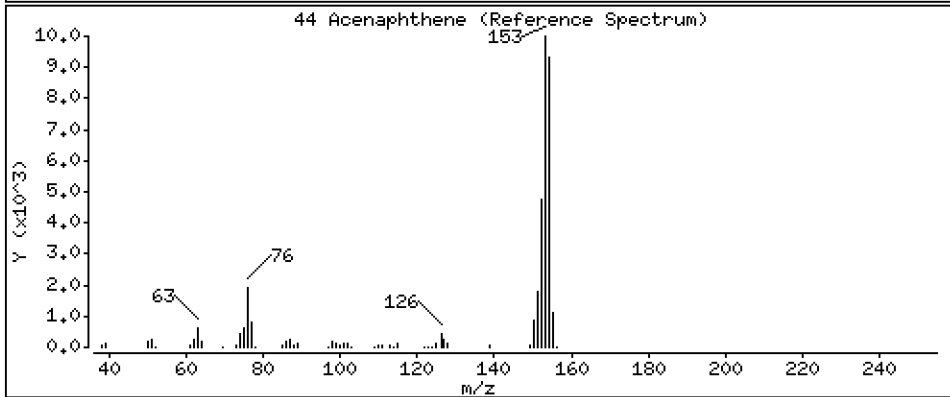
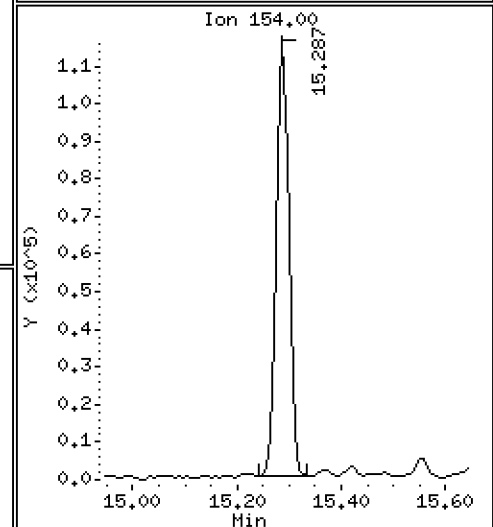
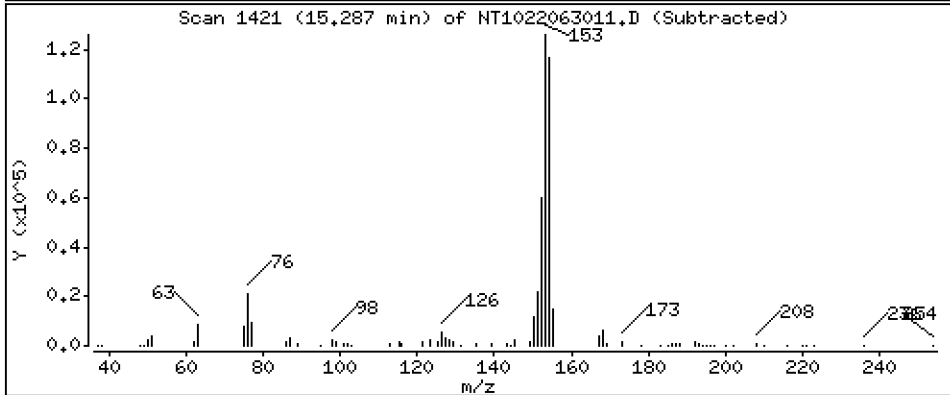
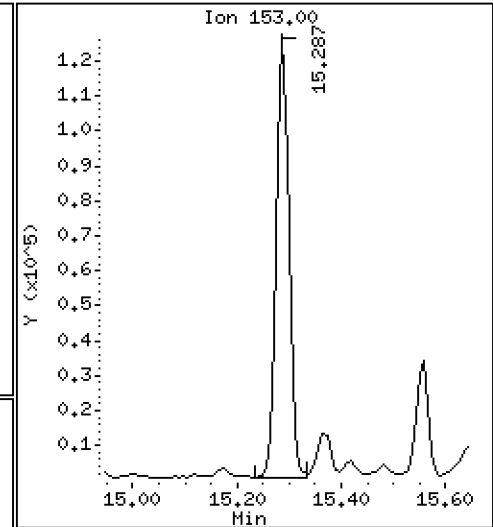
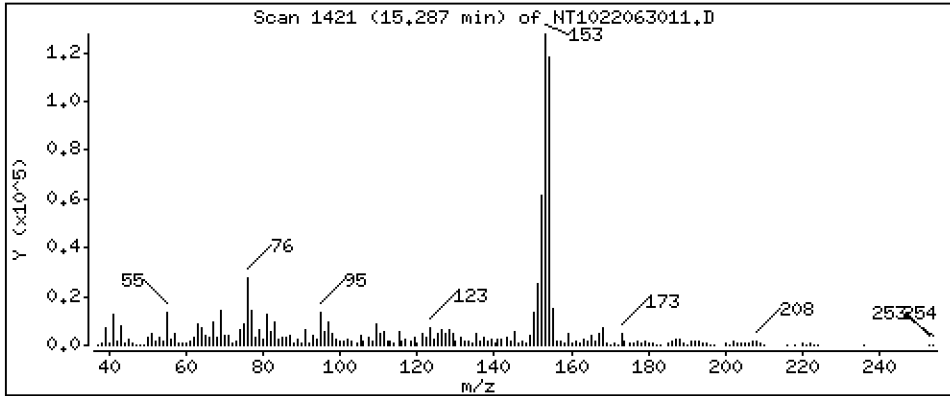
Operator: VTS

Column phase: ZB-5msi

Column diameter: 0,25

44 Acenaphthene

Concentration: 1,635 ug/mL



Date : 30-JUN-2022 20:02

Client ID:

Instrument: nt10.i

Sample Info: 22F0267-03

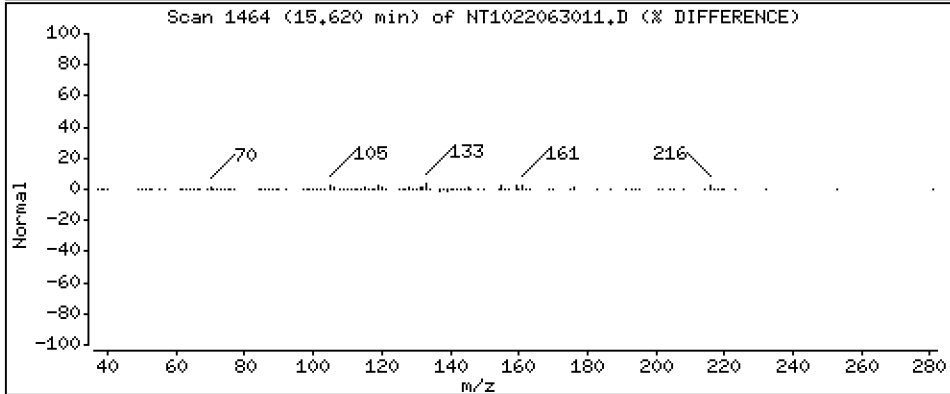
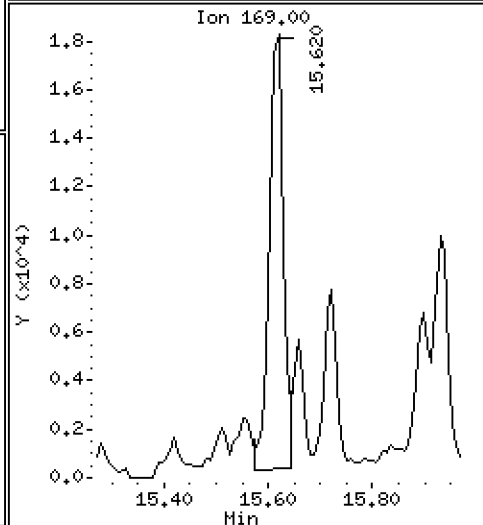
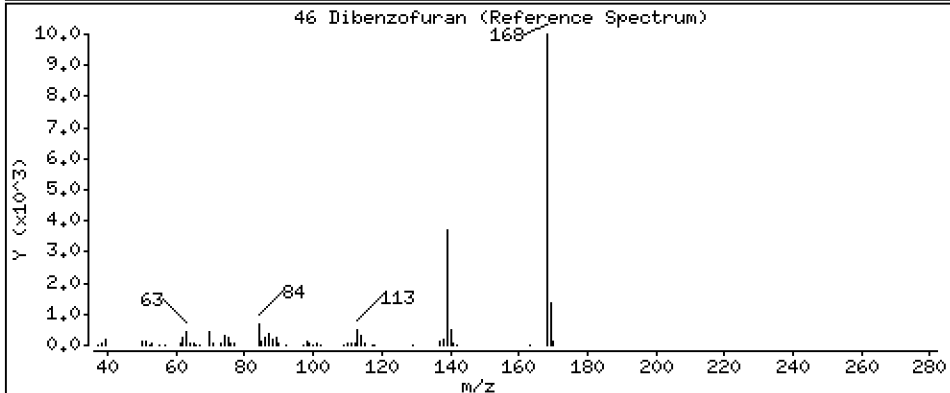
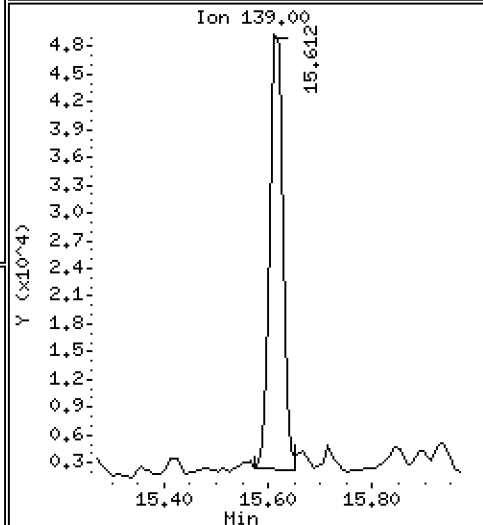
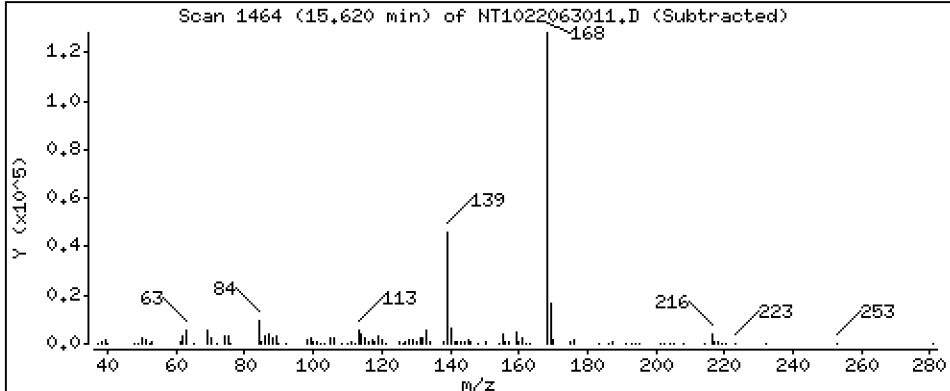
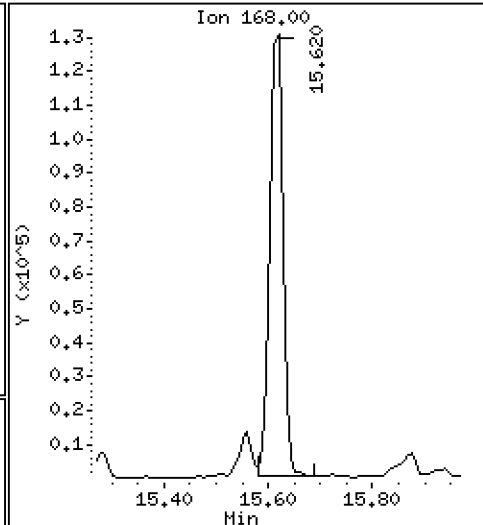
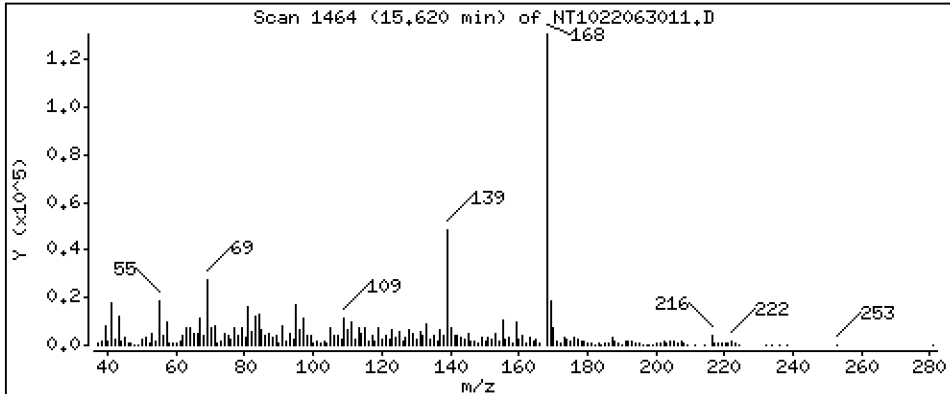
Operator: VTS

Column phase: ZB-5msi

Column diameter: 0,25

46 Dibenzofuran

Concentration: 1,124 ug/mL



Date : 30-JUN-2022 20:02

Client ID:

Instrument: nt10.i

Sample Info: 22F0267-03

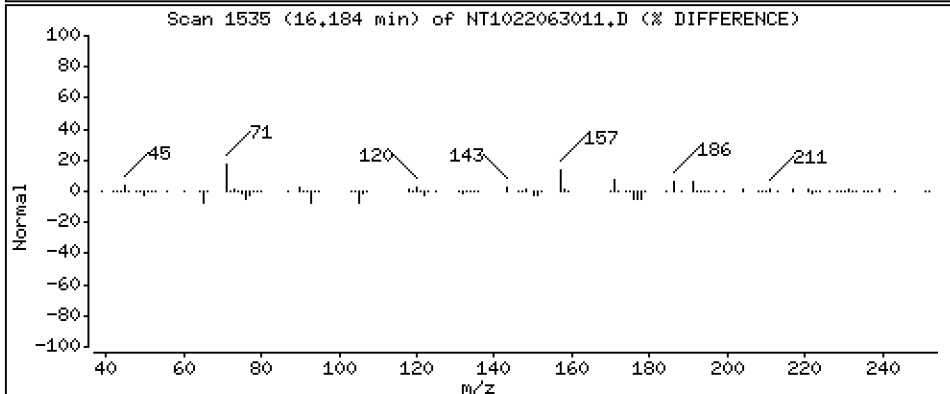
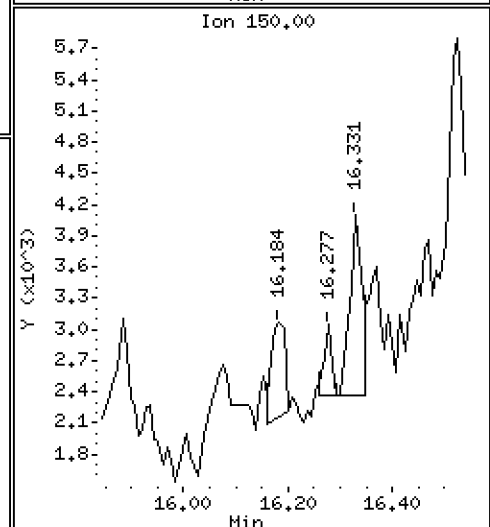
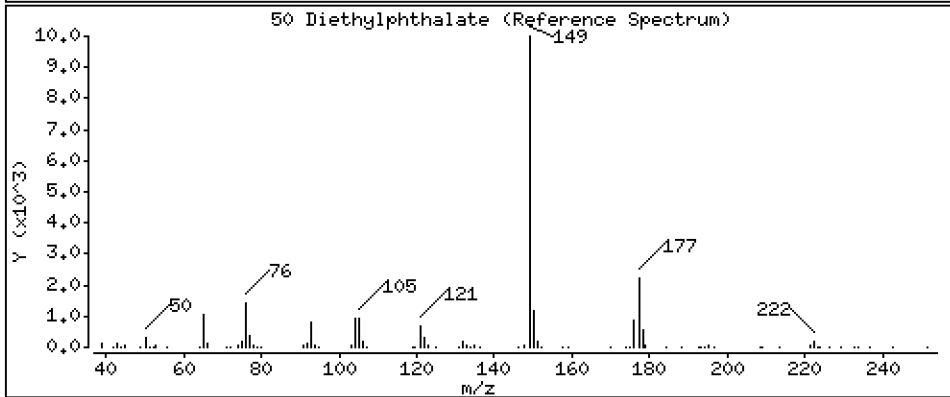
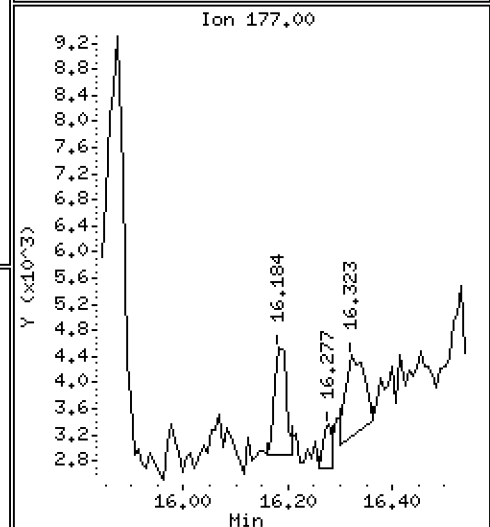
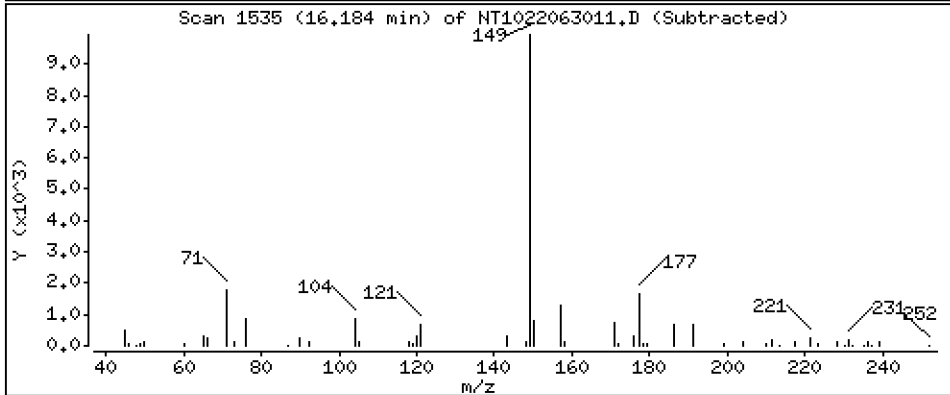
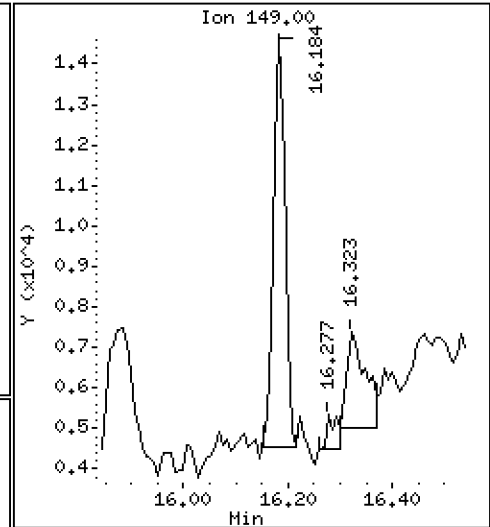
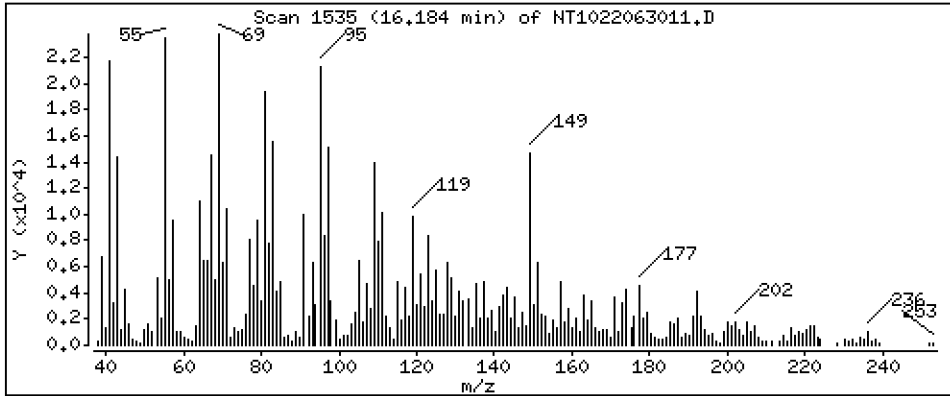
Operator: VTS

Column phase: ZB-5msi

Column diameter: 0.25

50 Diethylphthalate

Concentration: 0.1154 ug/mL



Date : 30-JUN-2022 20:02

Client ID:

Instrument: nt10.i

Sample Info: 22F0267-03

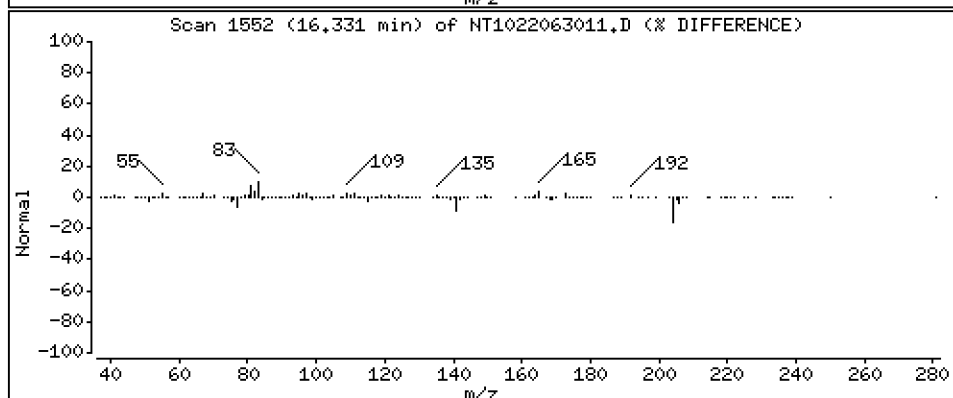
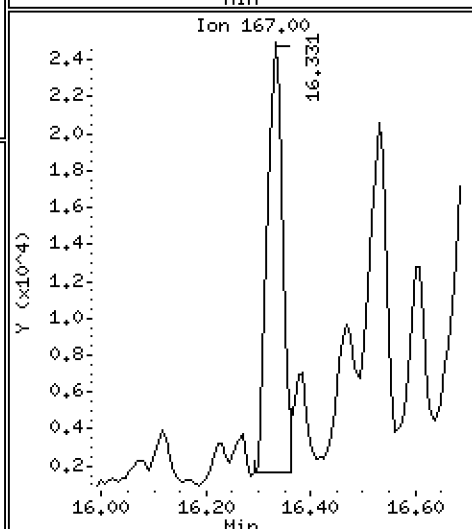
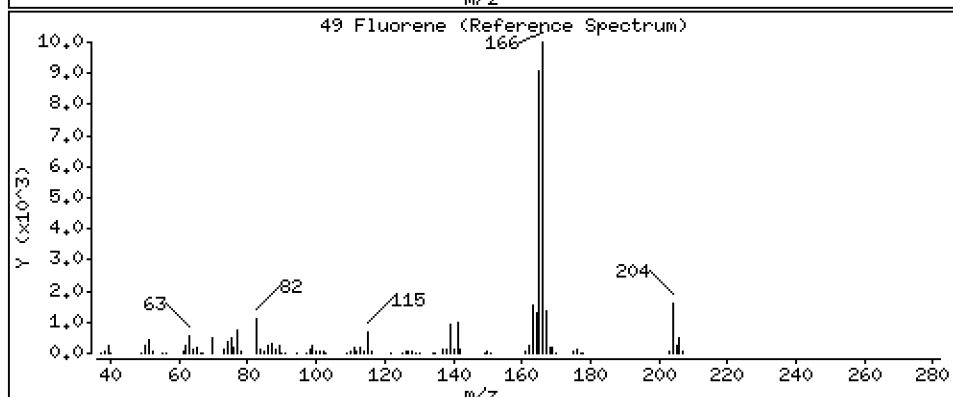
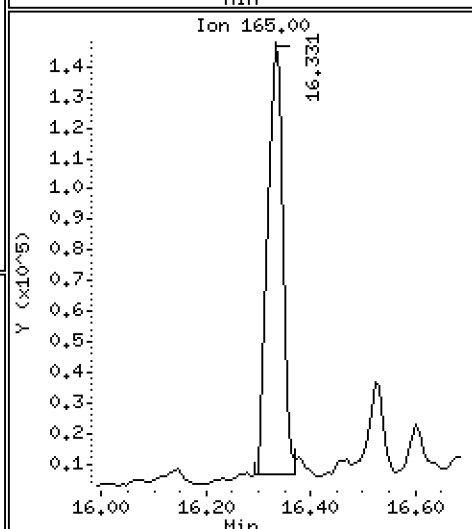
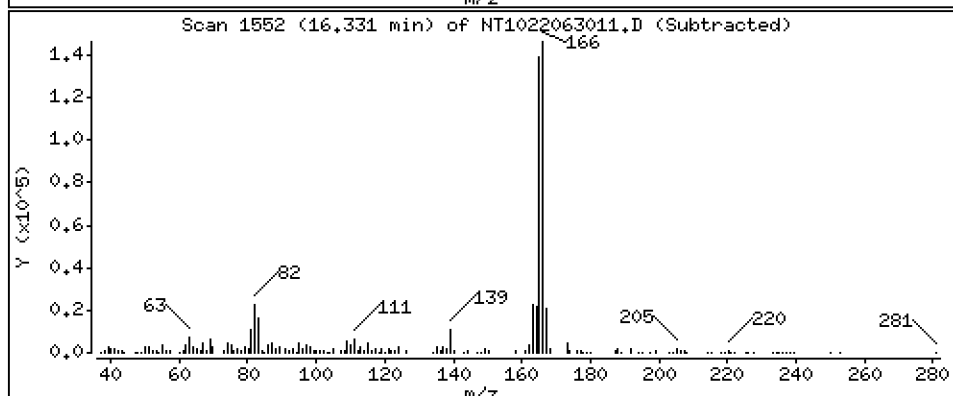
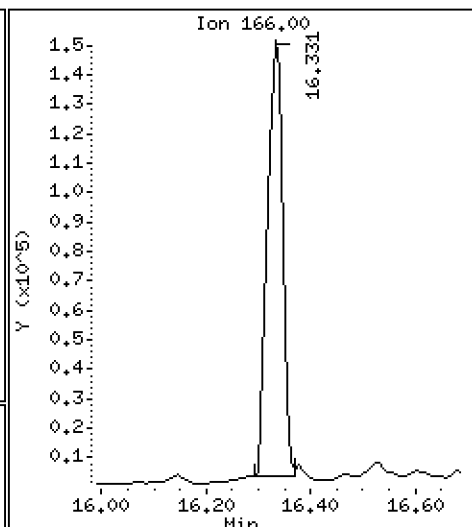
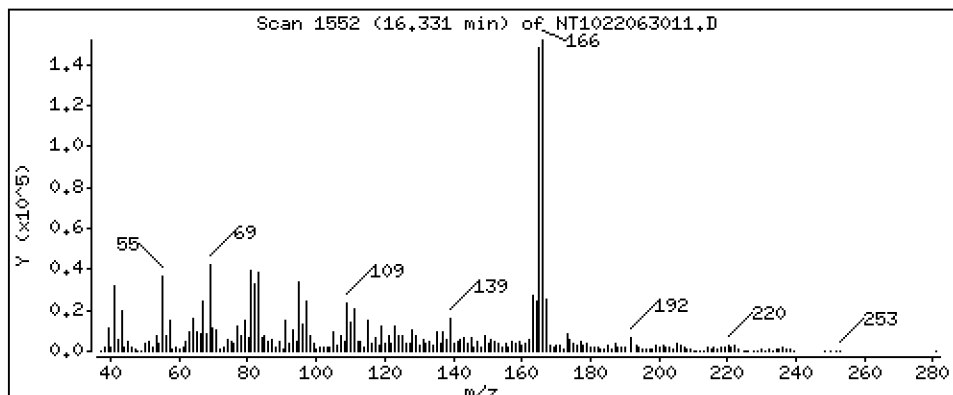
Operator: VTS

Column phase: ZB-5msi

Column diameter: 0,25

49 Fluorene

Concentration: 1,265 ug/mL



Date : 30-JUN-2022 20:02

Client ID:

Instrument: nt10.i

Sample Info: 22F0267-03

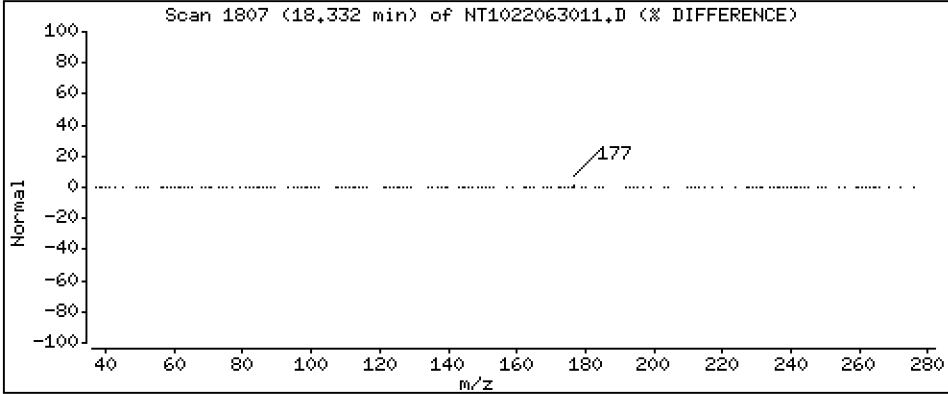
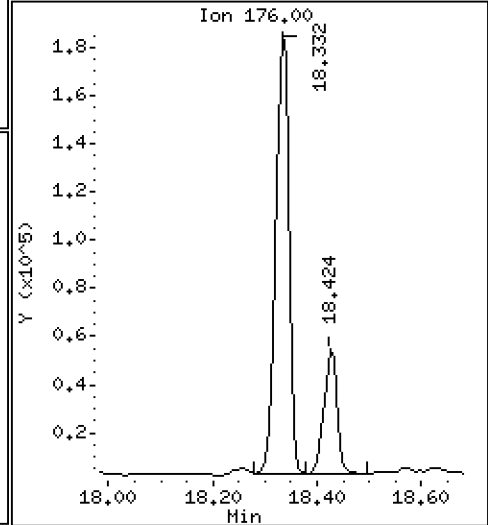
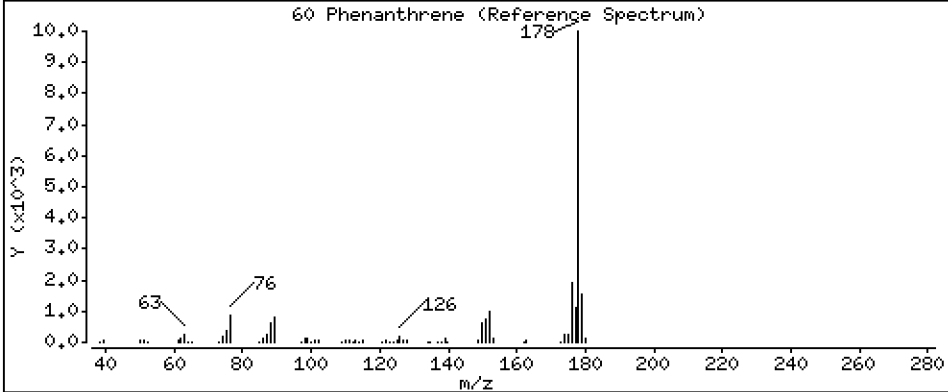
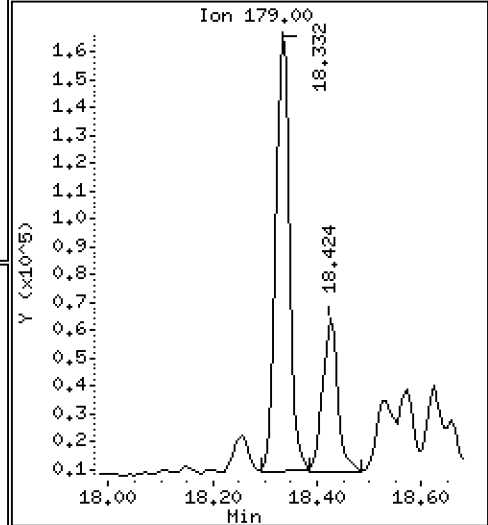
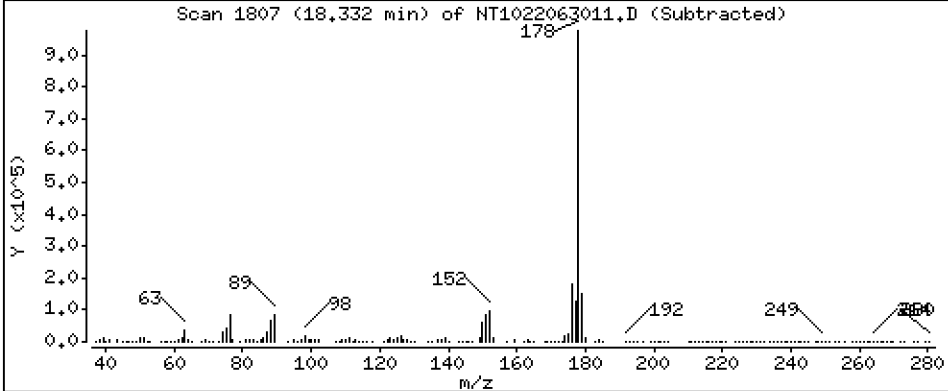
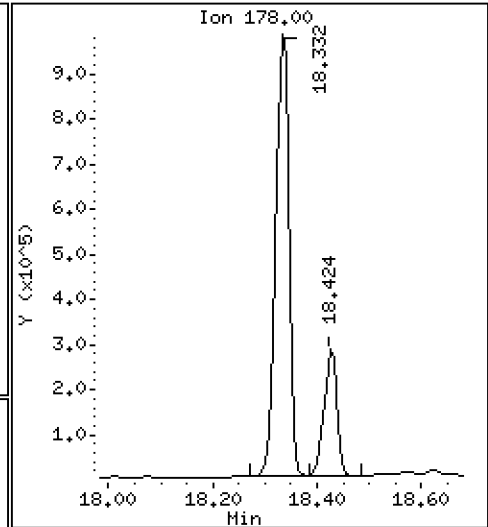
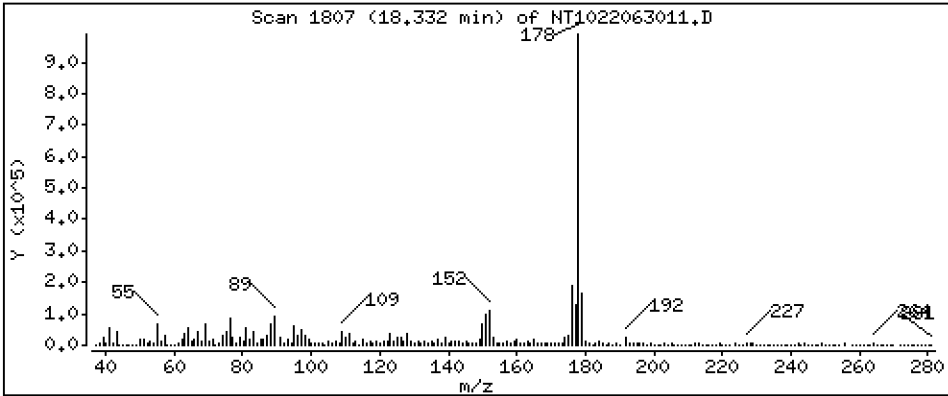
Operator: VTS

Column phase: ZB-5msi

Column diameter: 0,25

60 Phenanthrene

Concentration: 14,15 ug/mL



Date : 30-JUN-2022 20:02

Client ID:

Instrument: nt10.i

Sample Info: 22F0267-03

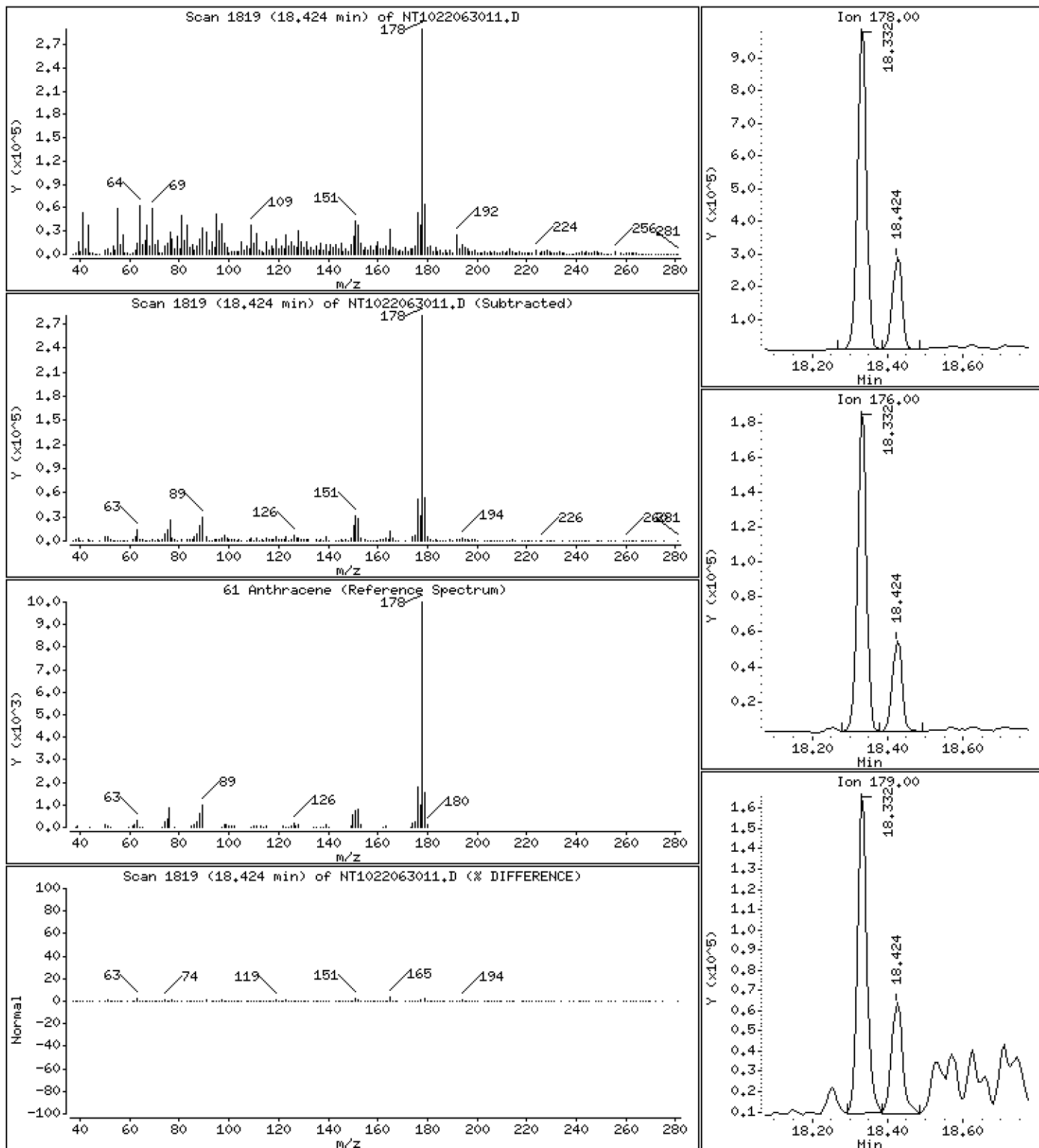
Operator: VTS

Column phase: ZB-5msi

Column diameter: 0,25

61 Anthracene

Concentration: 3,861 ug/mL



Date : 30-JUN-2022 20:02

Client ID:

Instrument: nt10.i

Sample Info: 22F0267-03

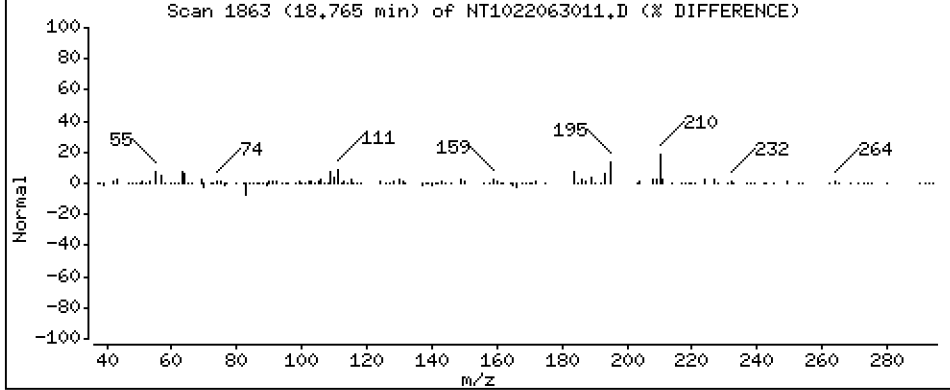
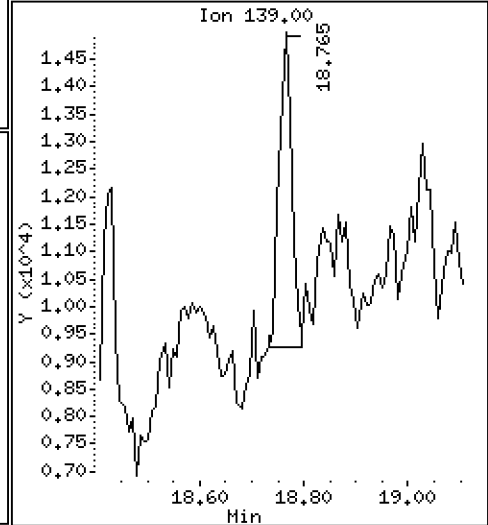
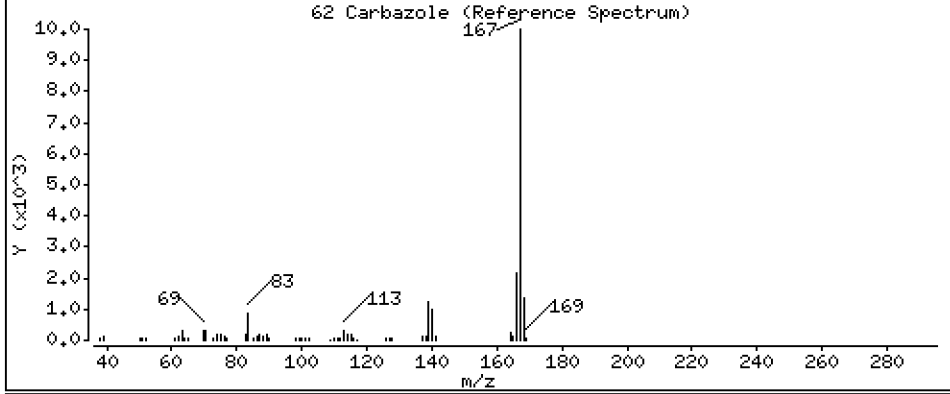
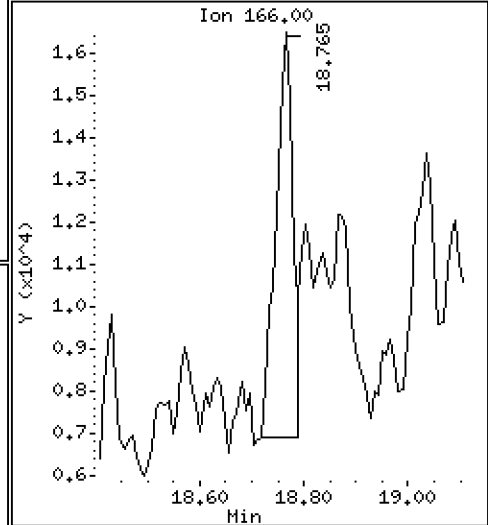
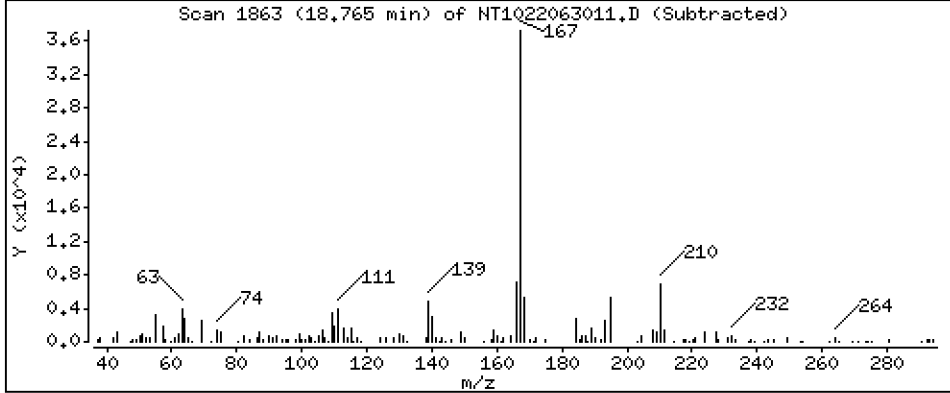
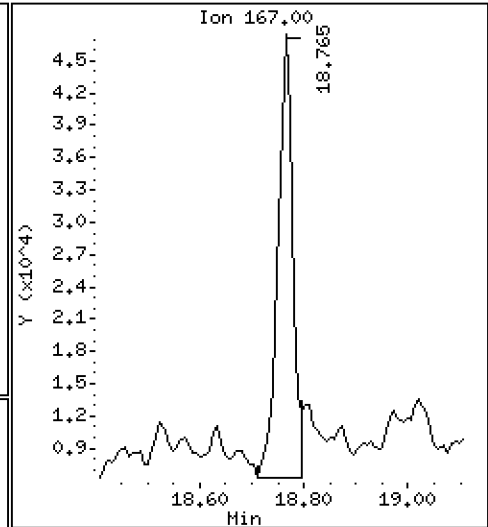
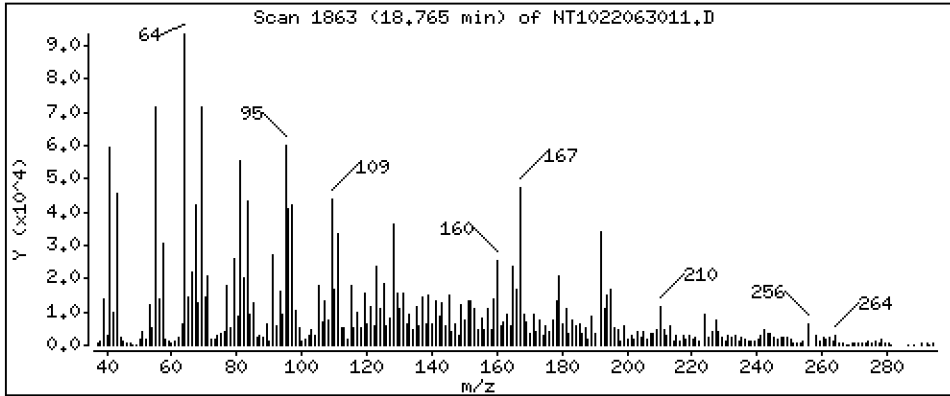
Operator: VTS

Column phase: ZB-5msi

Column diameter: 0,25

62 Carbazole

Concentration: 0,6987 ug/mL



Date : 30-JUN-2022 20:02

Client ID:

Instrument: nt10.i

Sample Info: 22F0267-03

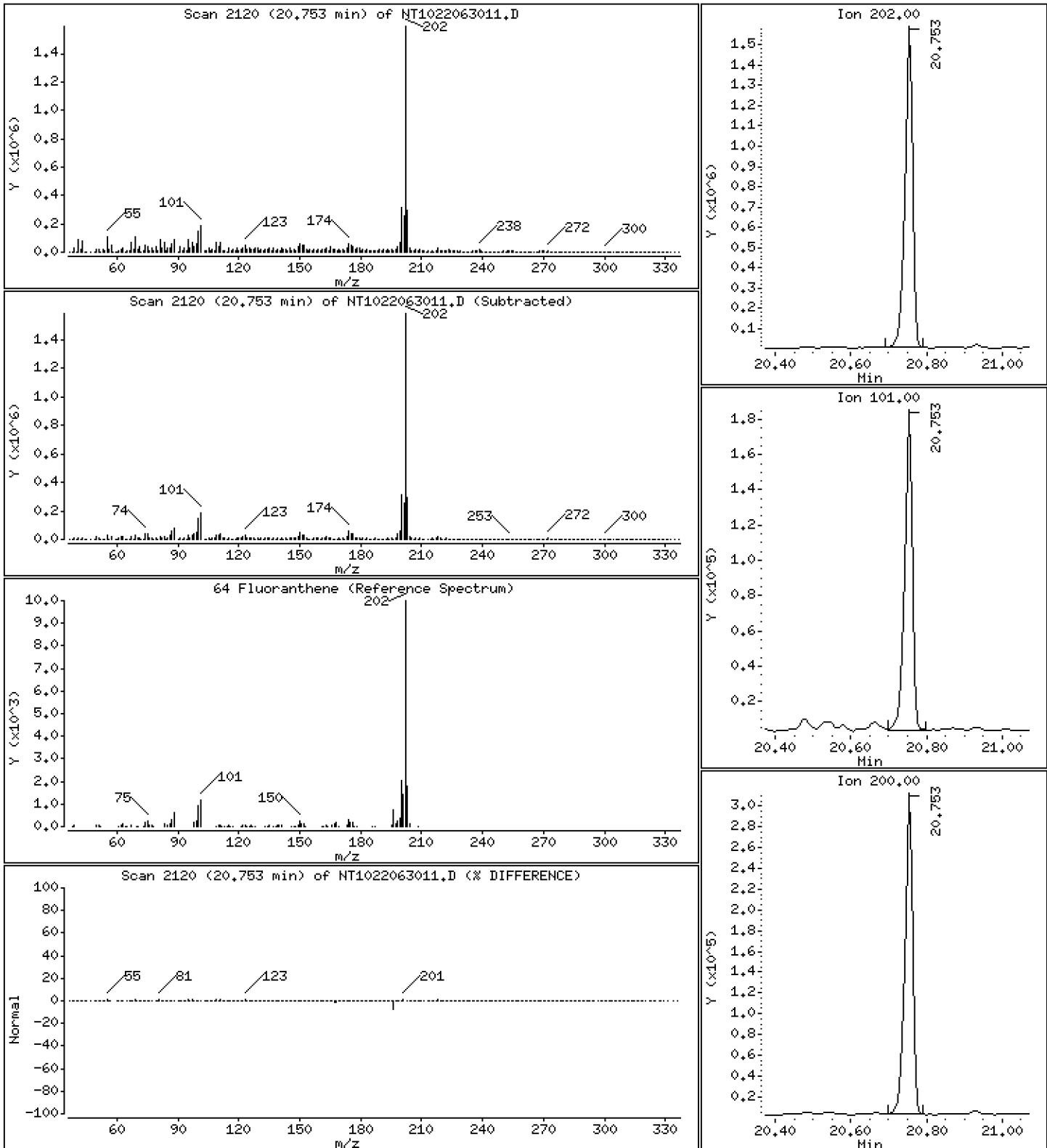
Operator: VTS

Column phase: ZB-5msi

Column diameter: 0,25

64 Fluoranthene

Concentration: 13,24 ug/mL



Date : 30-JUN-2022 20:02

Client ID:

Instrument: nt10.i

Sample Info: 22F0267-03

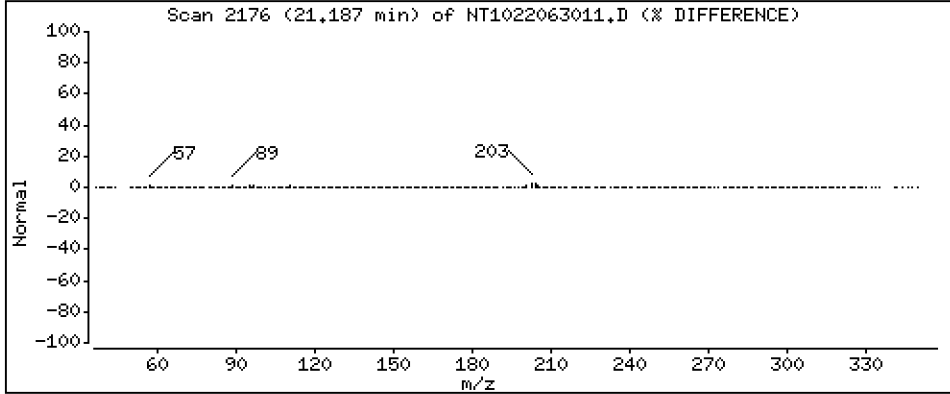
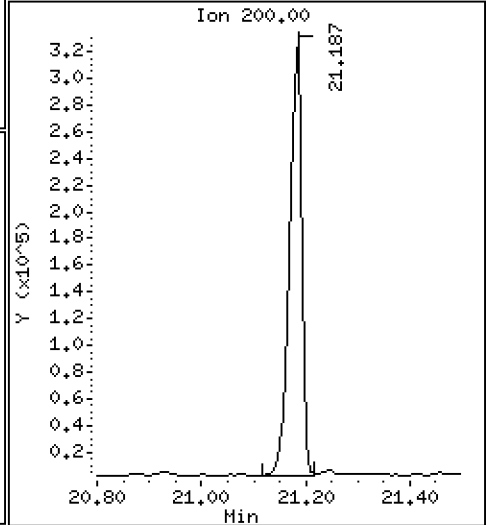
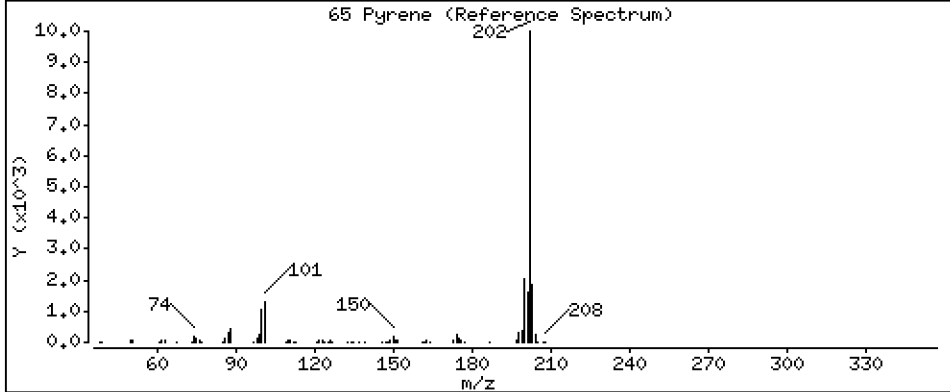
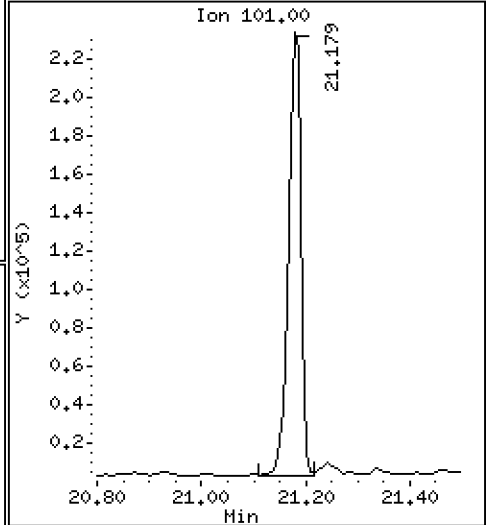
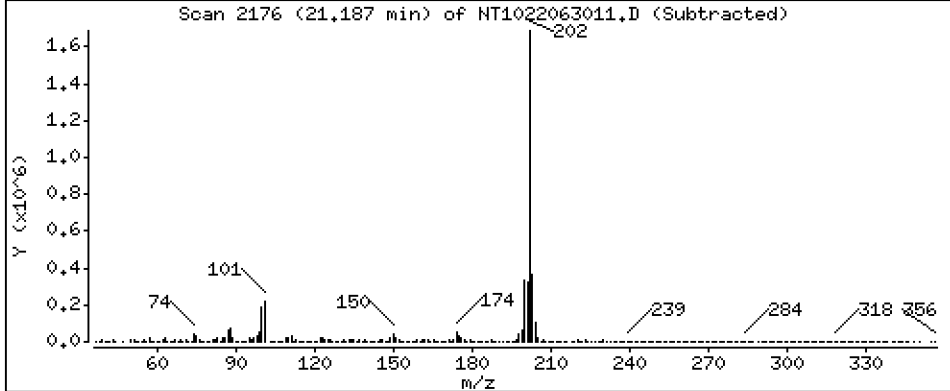
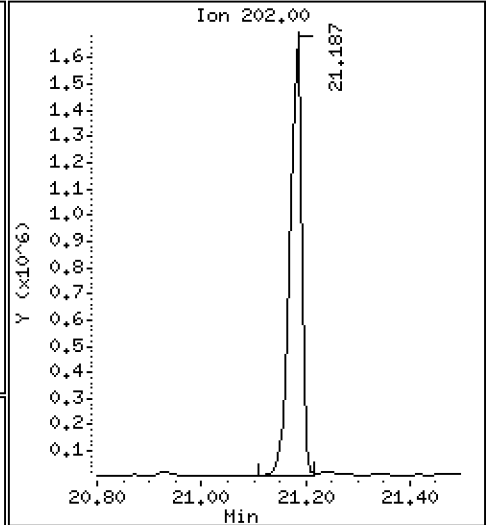
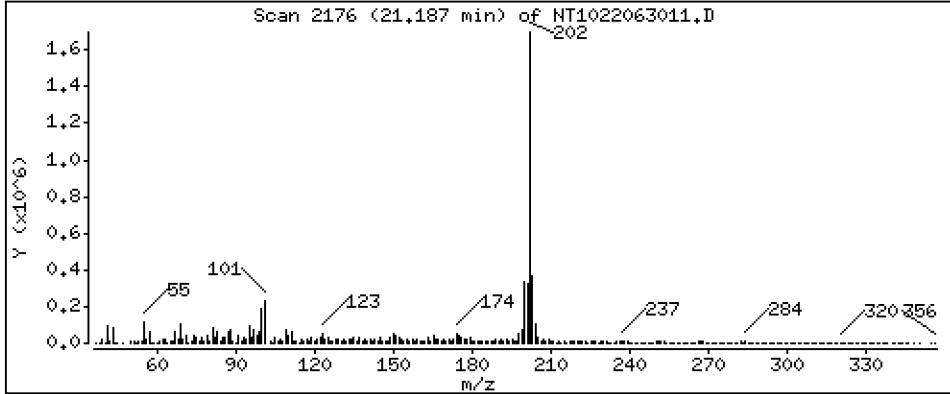
Operator: VTS

Column phase: ZB-5msi

Column diameter: 0,25

65 Pyrene

Concentration: 16,74 ug/mL



Date : 30-JUN-2022 20:02

Client ID:

Instrument: nt10.i

Sample Info: 22F0267-03

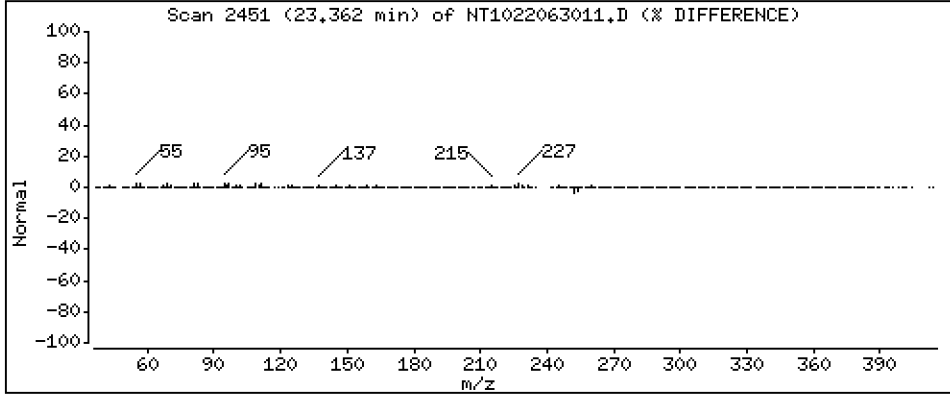
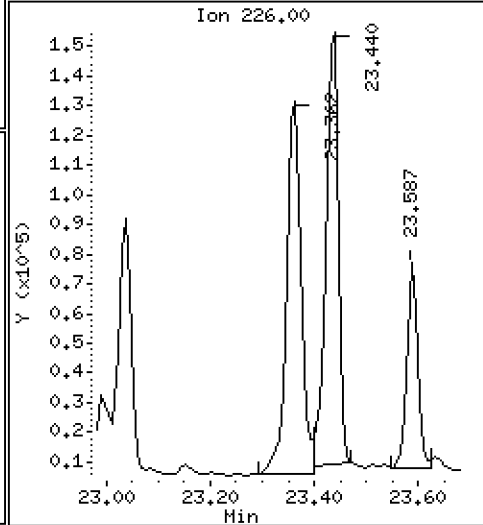
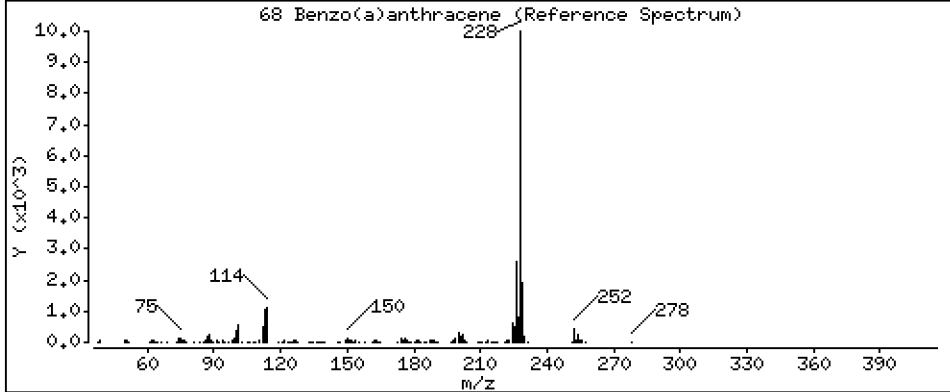
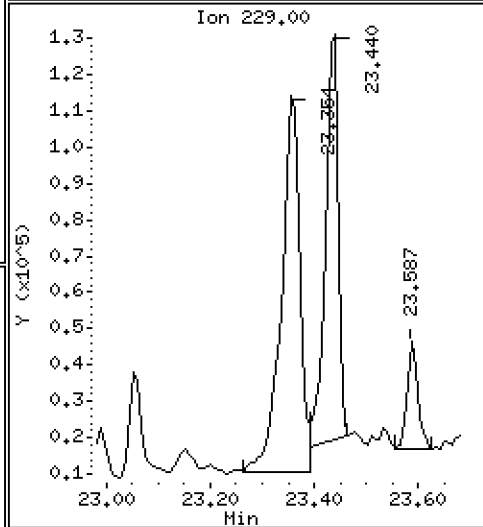
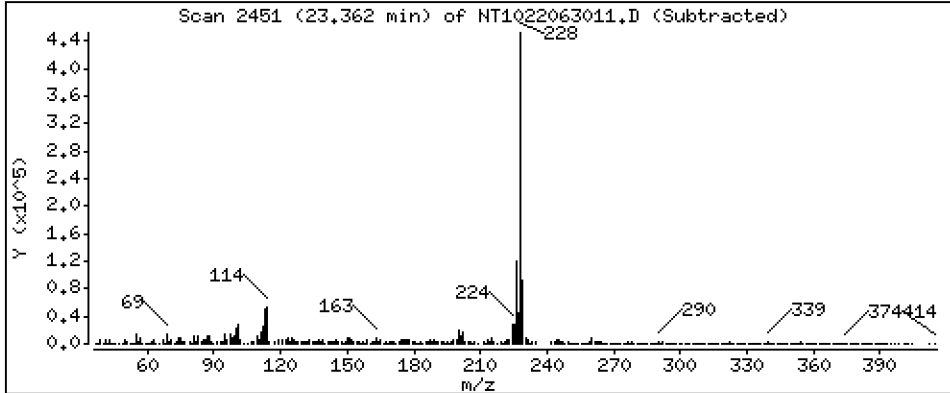
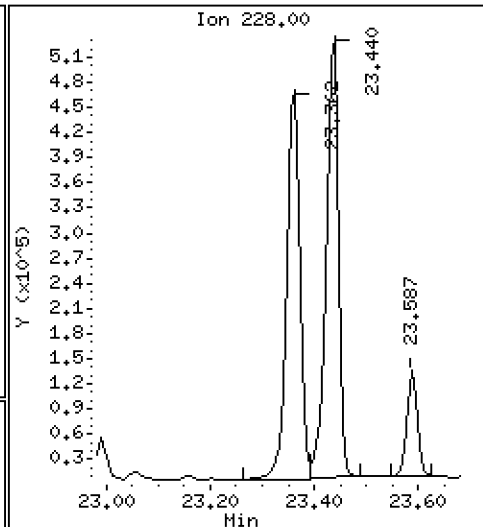
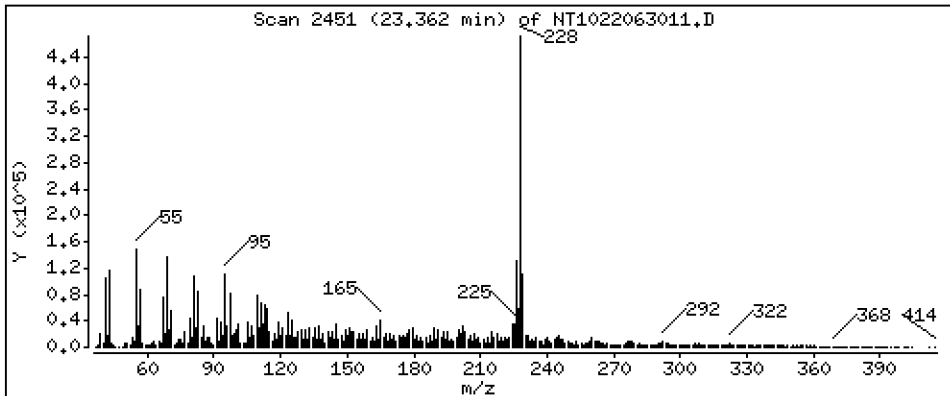
Operator: VTS

Column phase: ZB-5msi

Column diameter: 0,25

68 Benzo(a)anthracene

Concentration: 9,196 ug/mL



Date : 30-JUN-2022 20:02

Client ID:

Instrument: nt10.i

Sample Info: 22F0267-03

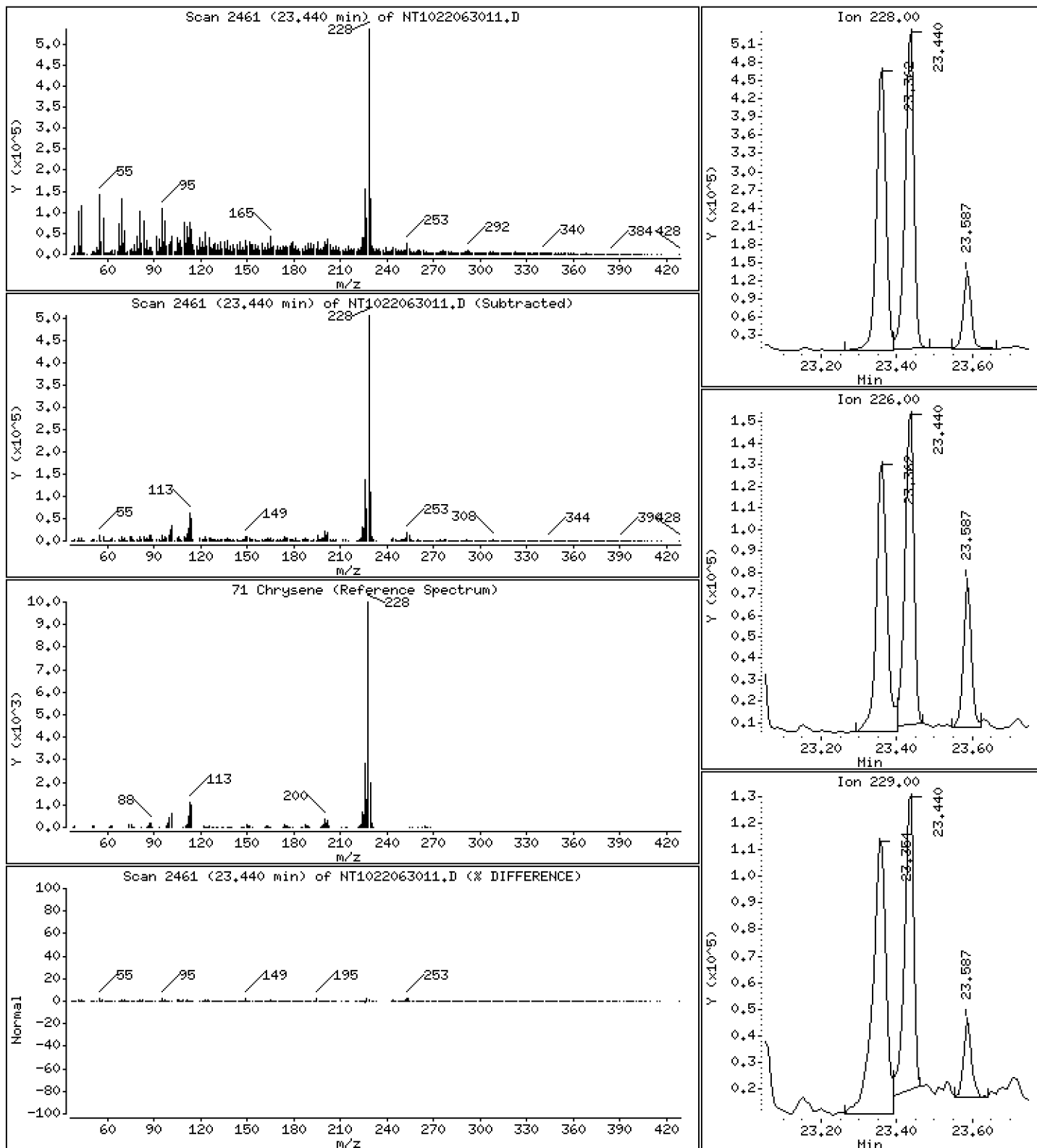
Operator: VTS

Column phase: ZB-5msi

Column diameter: 0,25

71 Chrysene

Concentration: 12,28 ug/mL



Date : 30-JUN-2022 20:02

Client ID:

Instrument: nt10.i

Sample Info: 22F0267-03

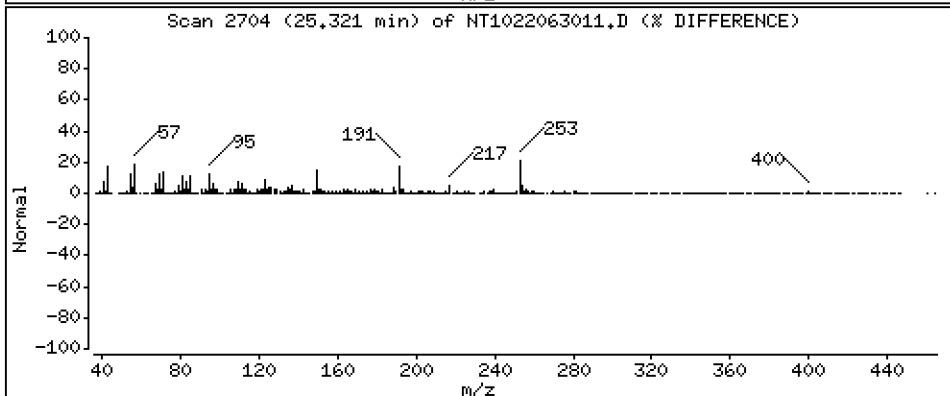
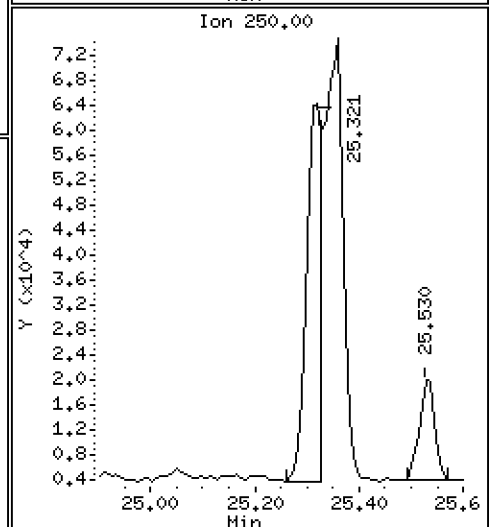
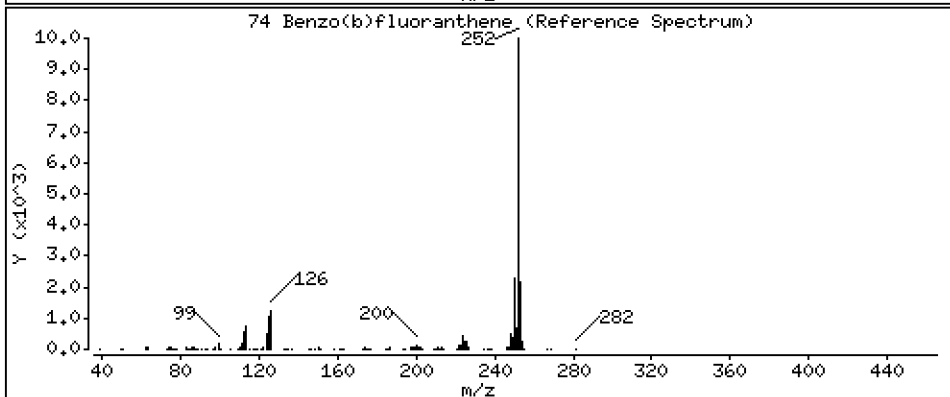
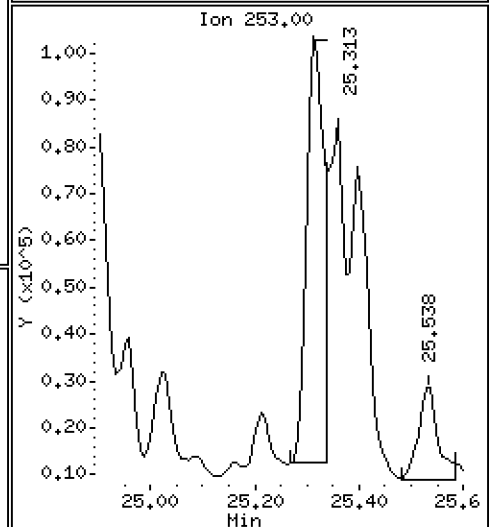
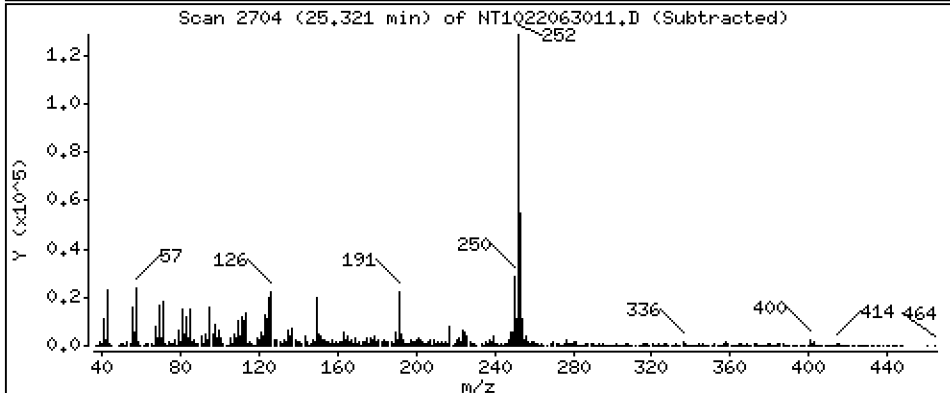
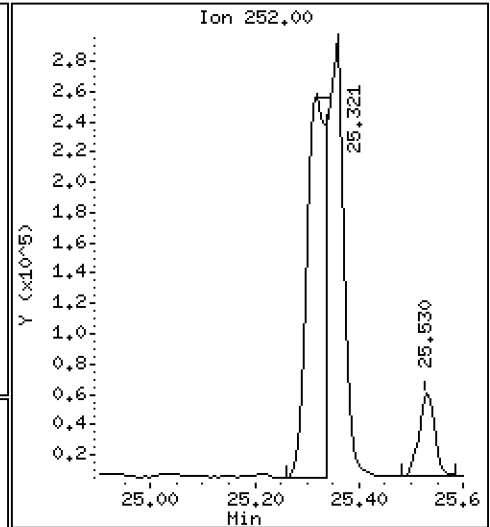
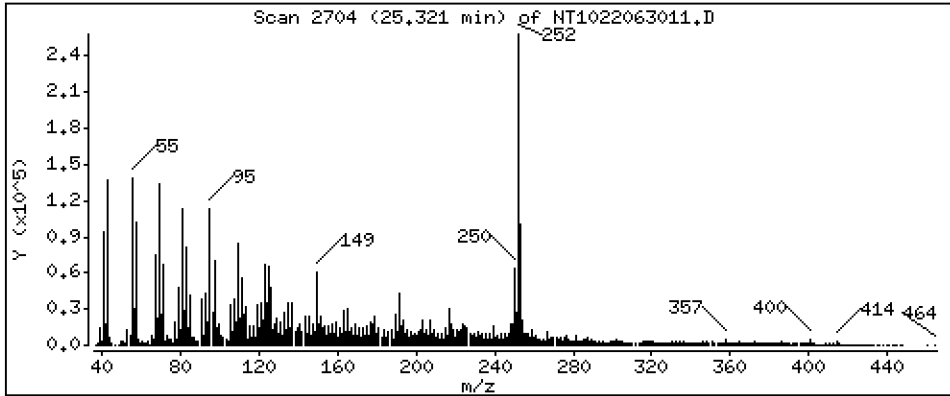
Operator: VTS

Column phase: ZB-5msi

Column diameter: 0,25

74 Benzo(b)fluoranthene

Concentration: 9,240 ug/mL



Date : 30-JUN-2022 20:02

Client ID:

Instrument: nt10.i

Sample Info: 22F0267-03

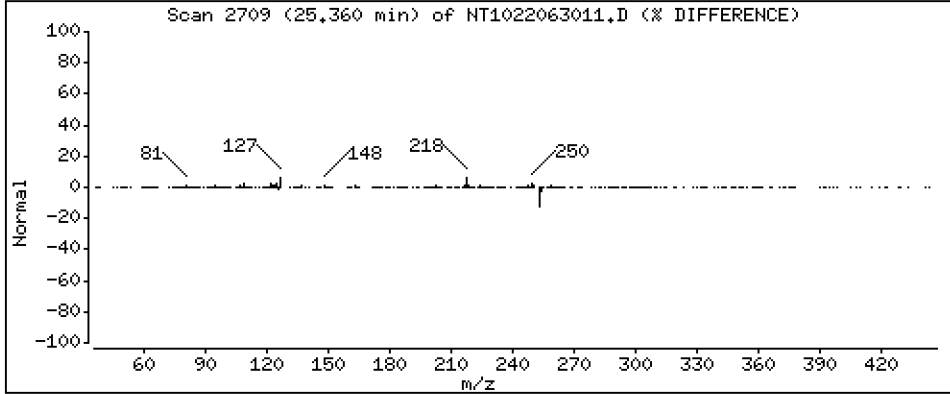
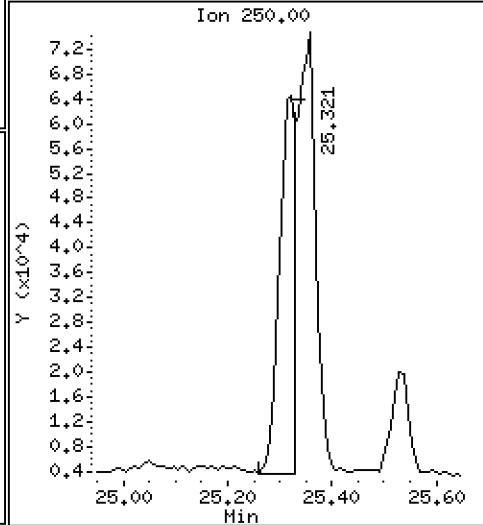
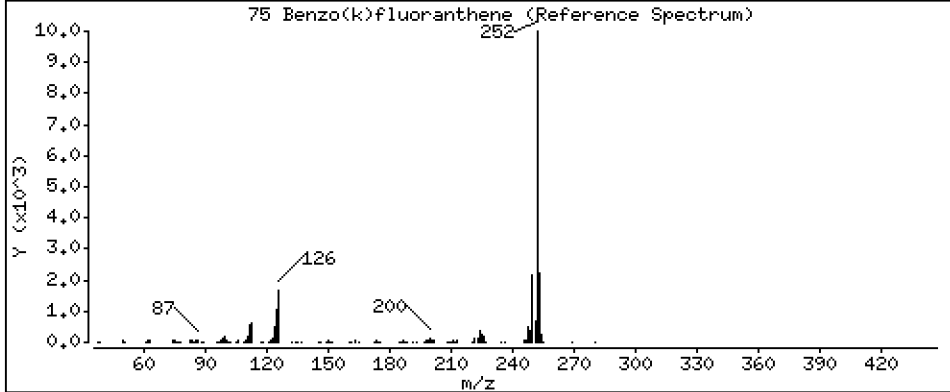
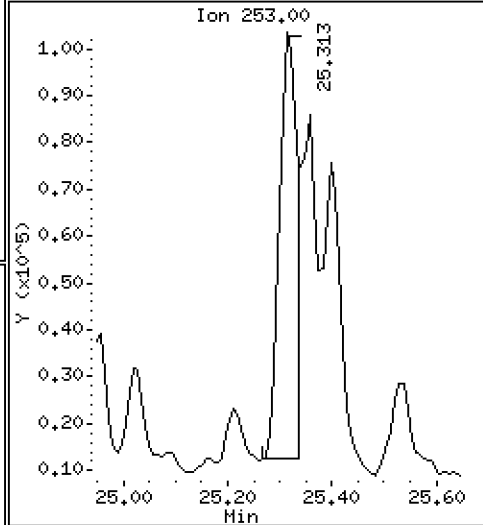
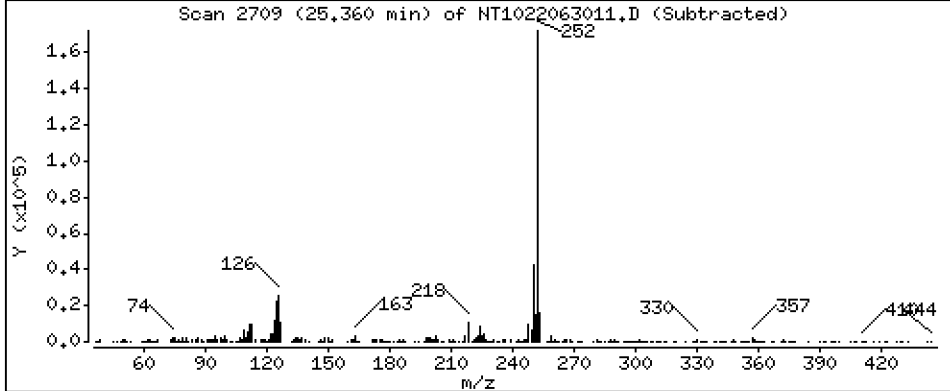
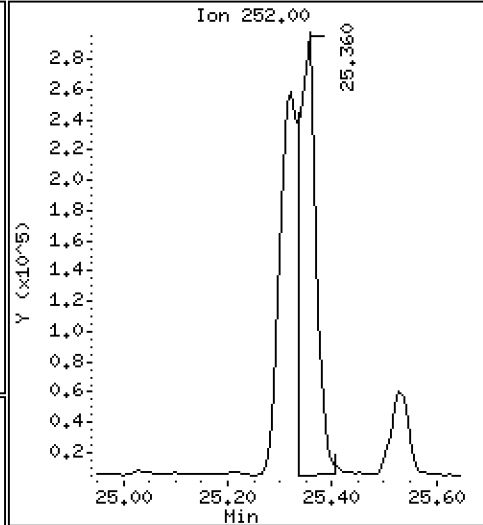
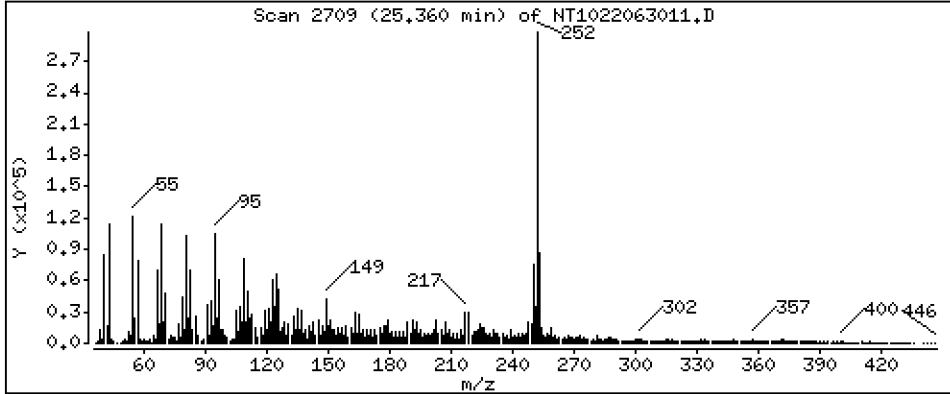
Operator: VTS

Column phase: ZB-5msi

Column diameter: 0,25

75 Benzo(k)fluoranthene

Concentration: 10,04 ug/mL



Date : 30-JUN-2022 20:02

Client ID:

Instrument: nt10.i

Sample Info: 22F0267-03

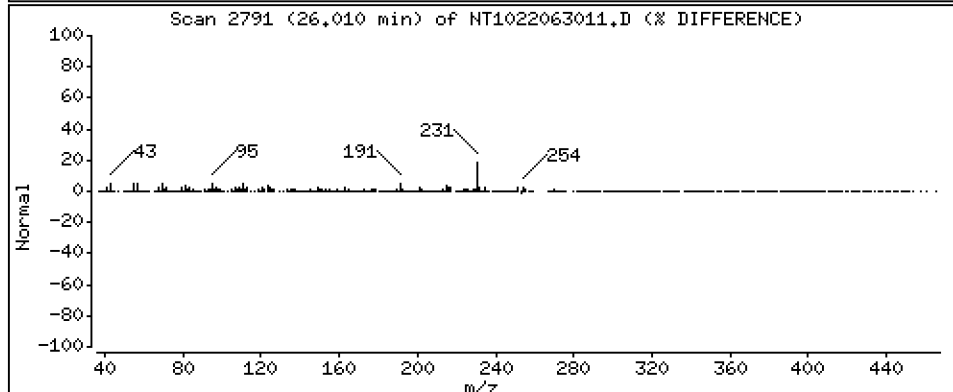
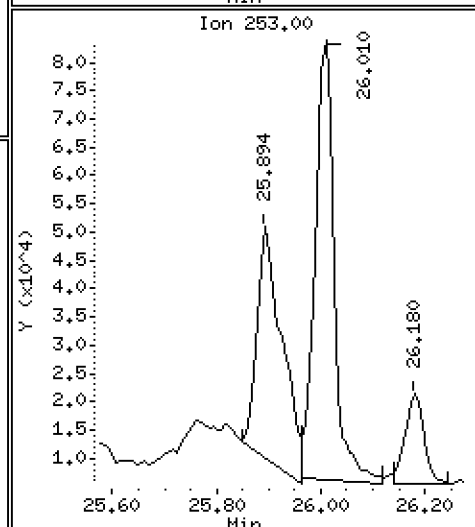
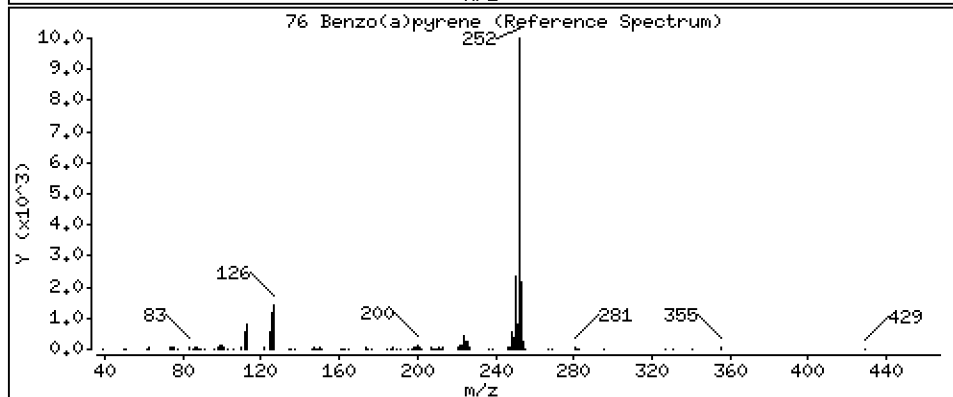
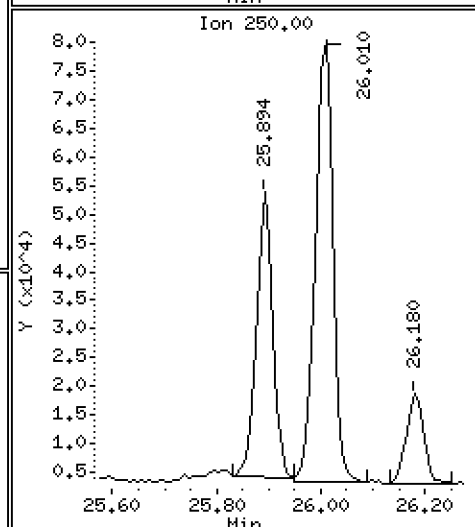
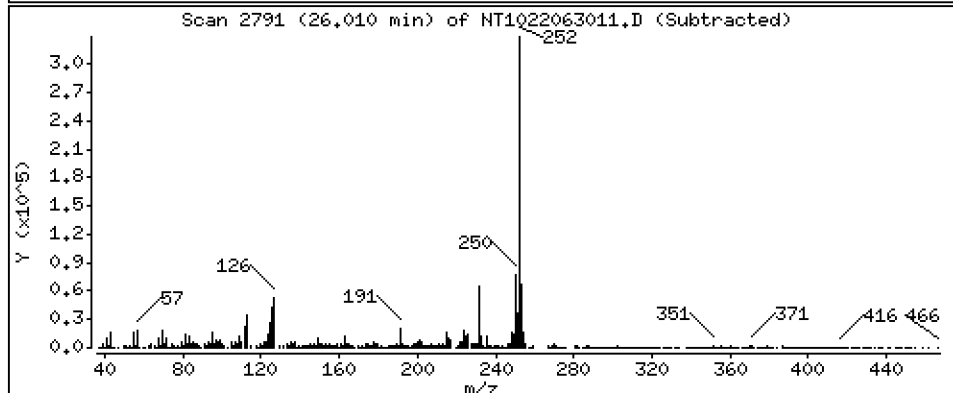
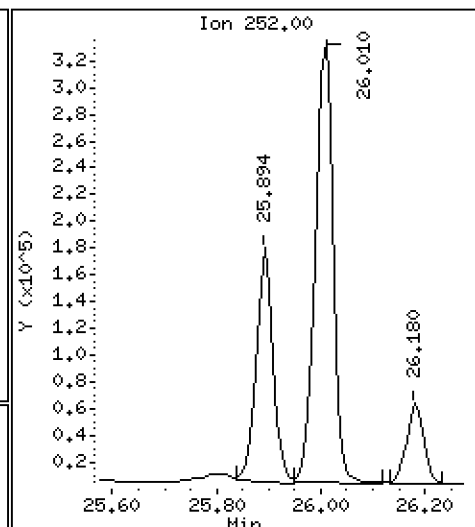
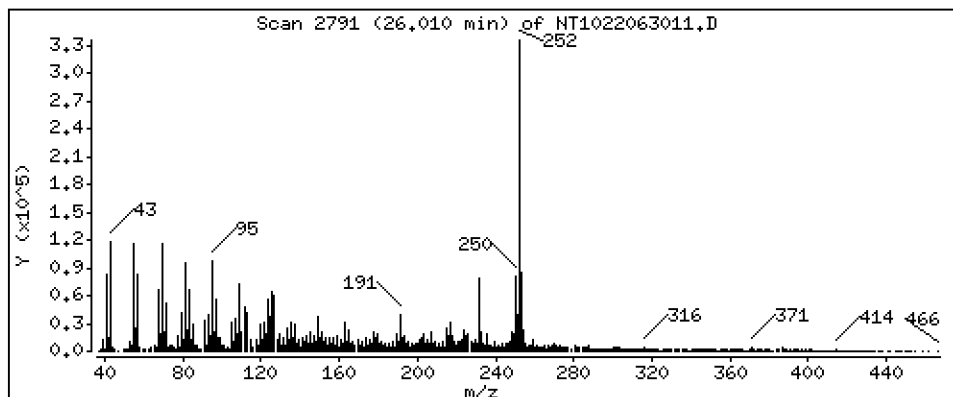
Operator: VTS

Column phase: ZB-5msi

Column diameter: 0,25

76 Benzo(a)pyrene

Concentration: 13,52 ug/mL



Date : 30-JUN-2022 20:02

Client ID:

Instrument: nt10.i

Sample Info: 22F0267-03

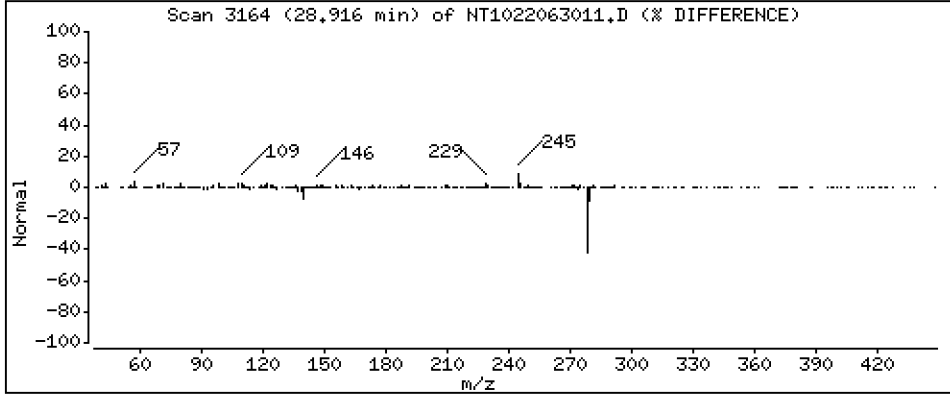
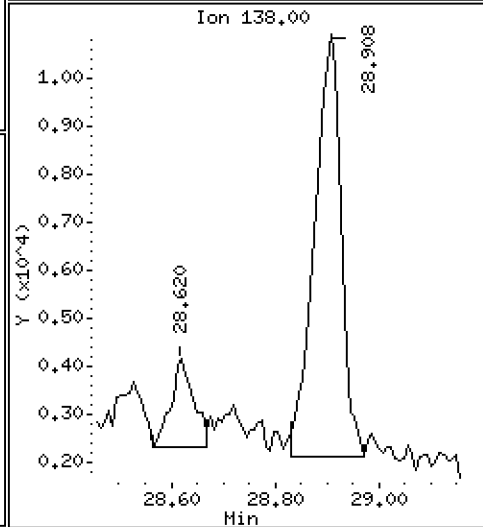
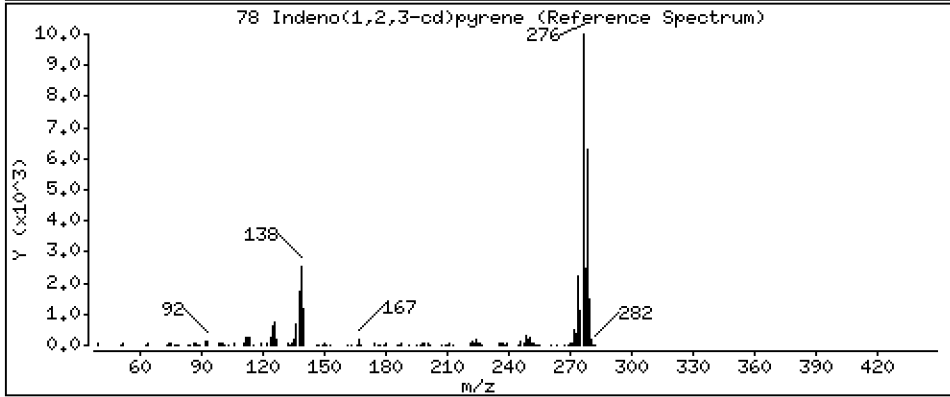
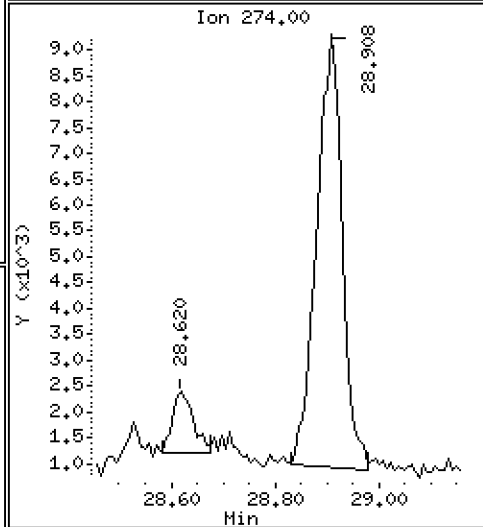
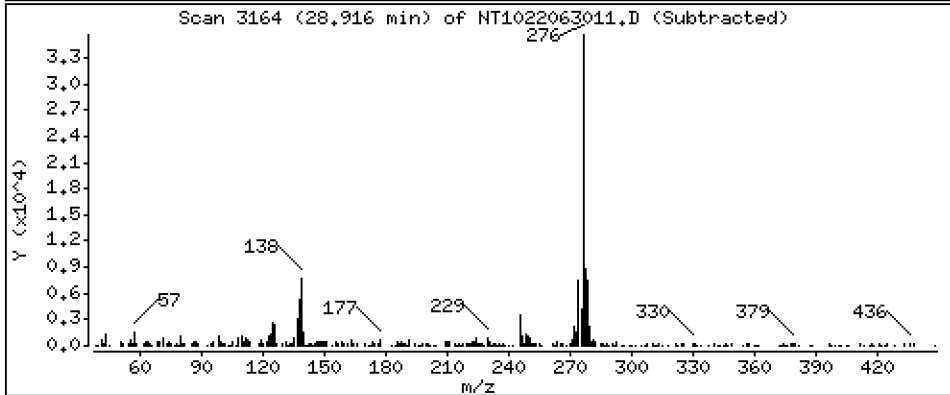
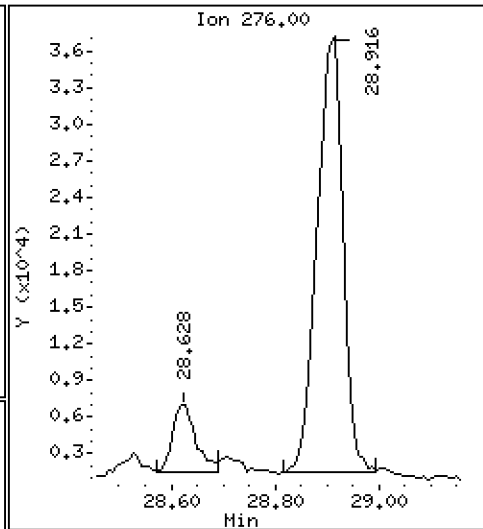
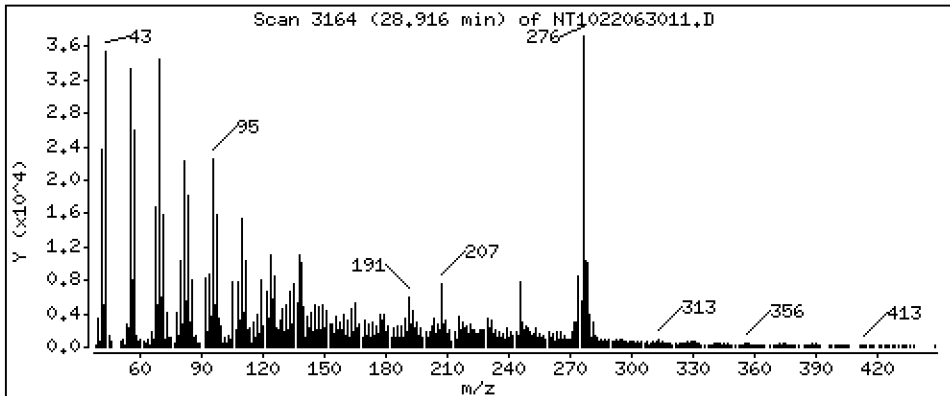
Operator: VTS

Column phase: ZB-5msi

Column diameter: 0,25

78 Indeno(1,2,3-cd)pyrene

Concentration: 2,092 ug/mL



Date : 30-JUN-2022 20:02

Client ID:

Instrument: nt10.i

Sample Info: 22F0267-03

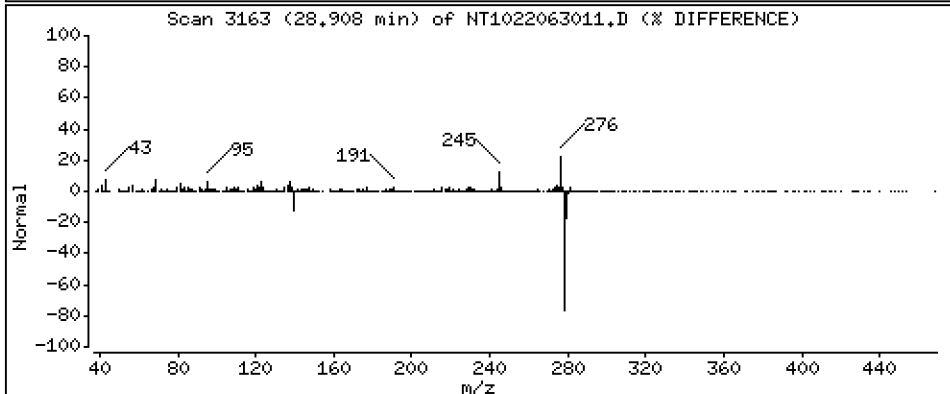
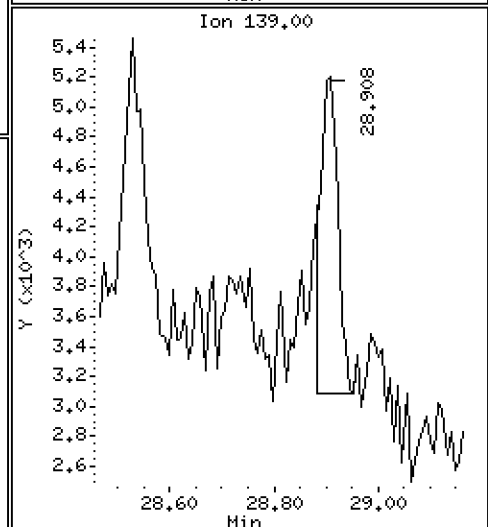
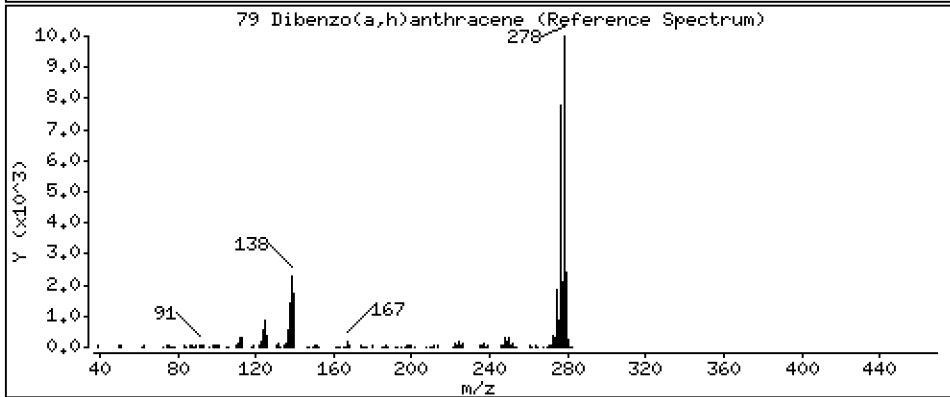
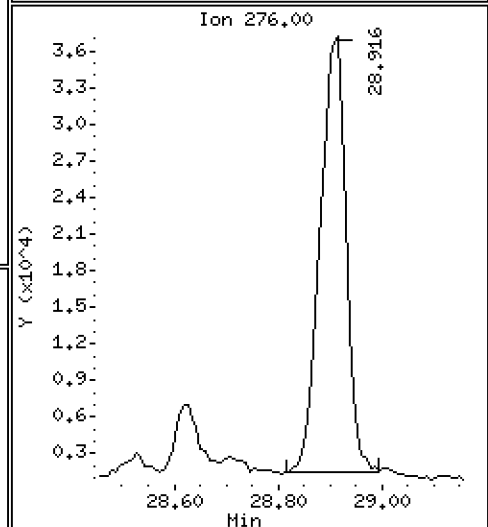
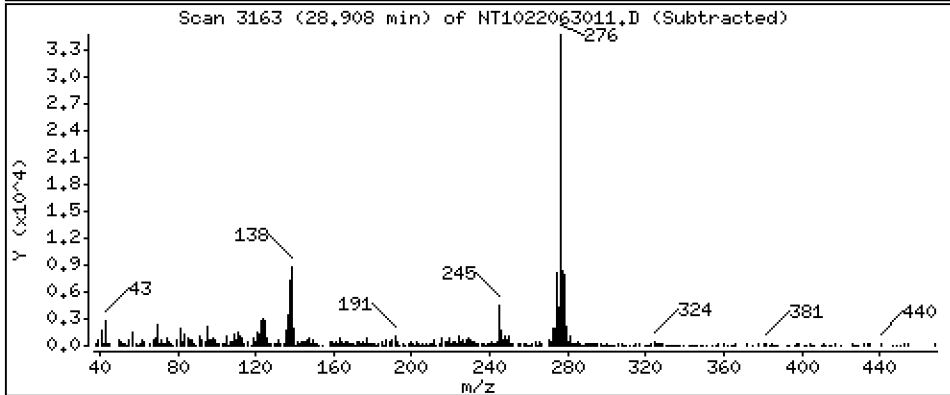
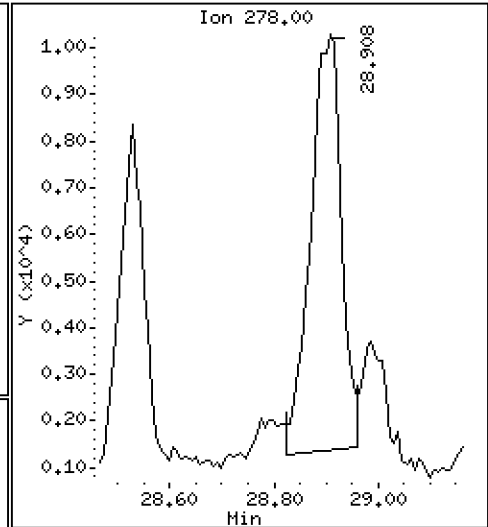
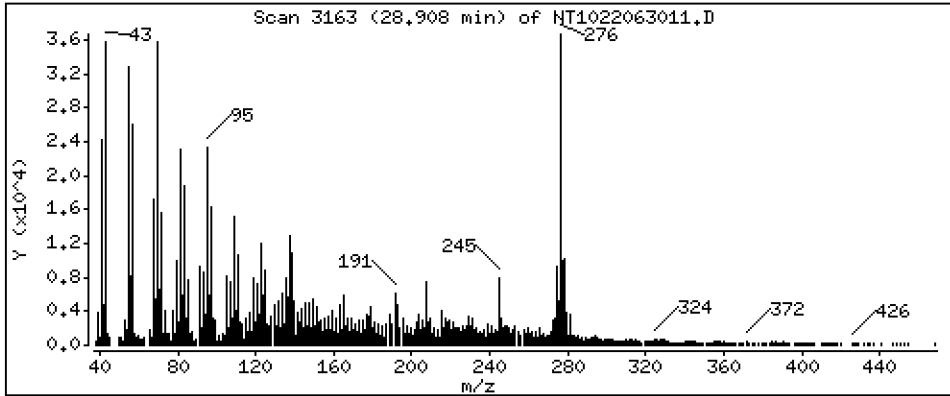
Operator: VTS

Column phase: ZB-5msi

Column diameter: 0,25

79 Dibenzo(a,h)anthracene

Concentration: 0,8067 ug/mL



Date : 30-JUN-2022 20:02

Client ID:

Instrument: nt10.i

Sample Info: 22F0267-03

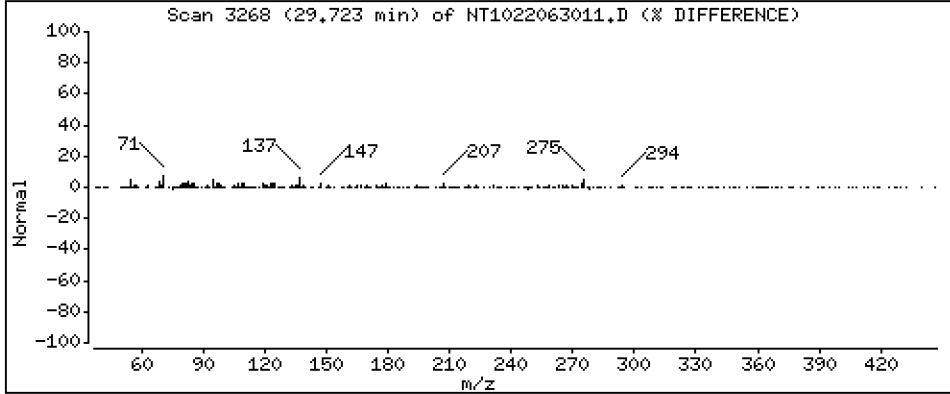
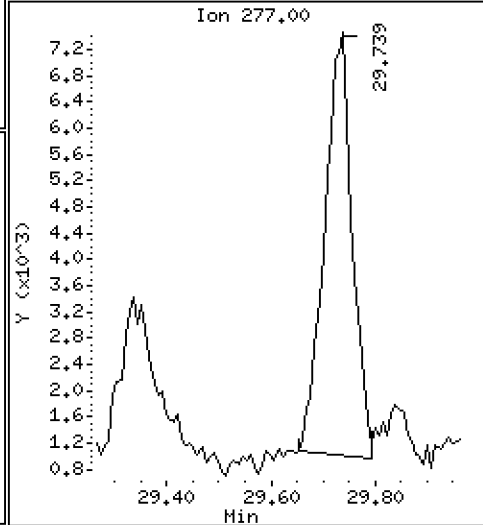
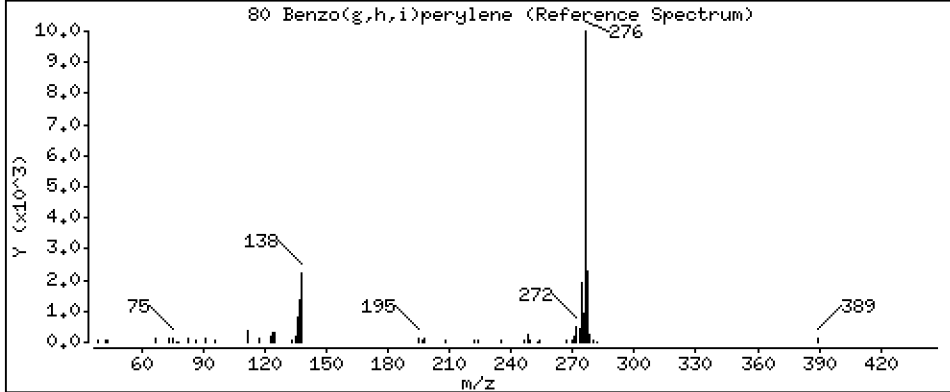
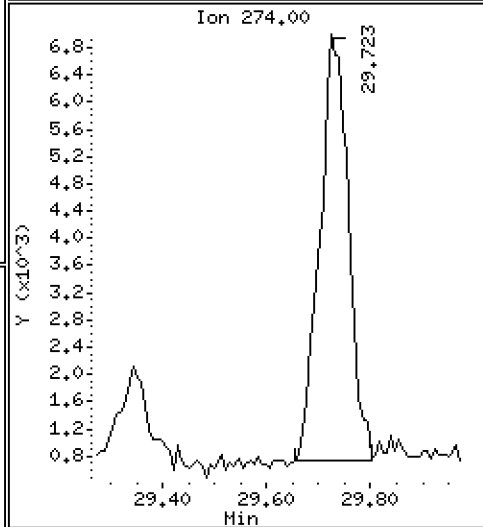
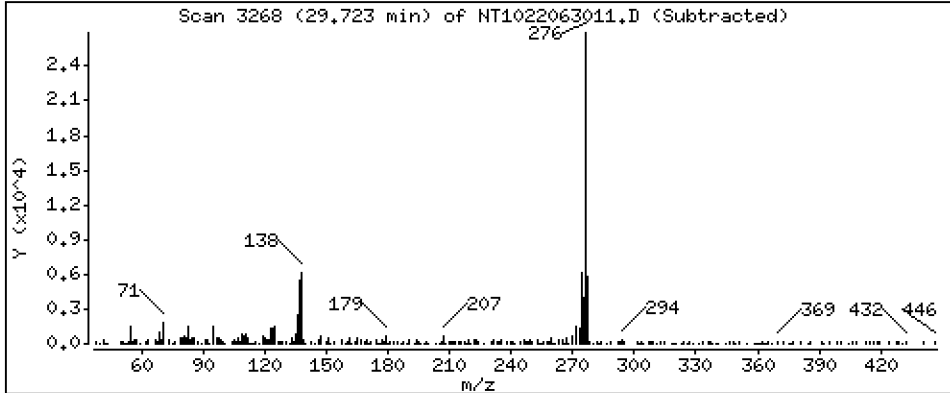
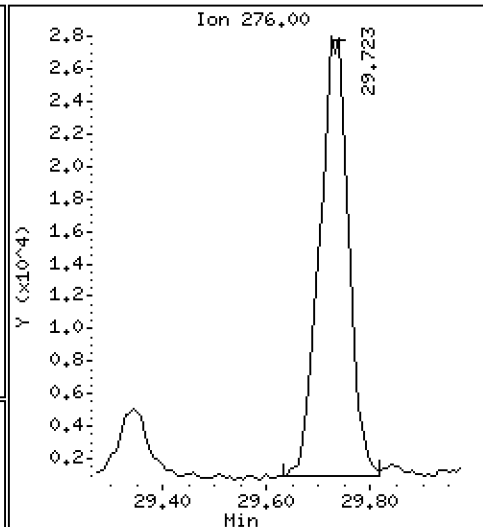
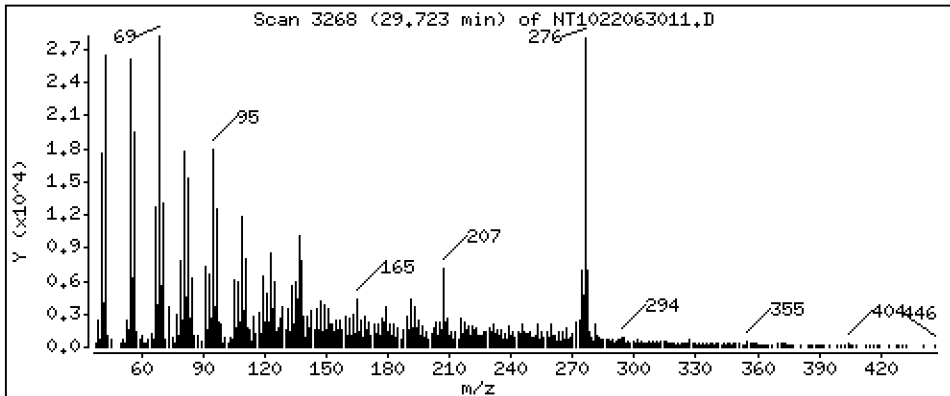
Operator: VTS

Column phase: ZB-5msi

Column diameter: 0,25

80 Benzo(g,h,i)perylene

Concentration: 2,226 ug/mL



Date : 30-JUN-2022 20:02

Client ID:

Instrument: nt10.i

Sample Info: 22F0267-03

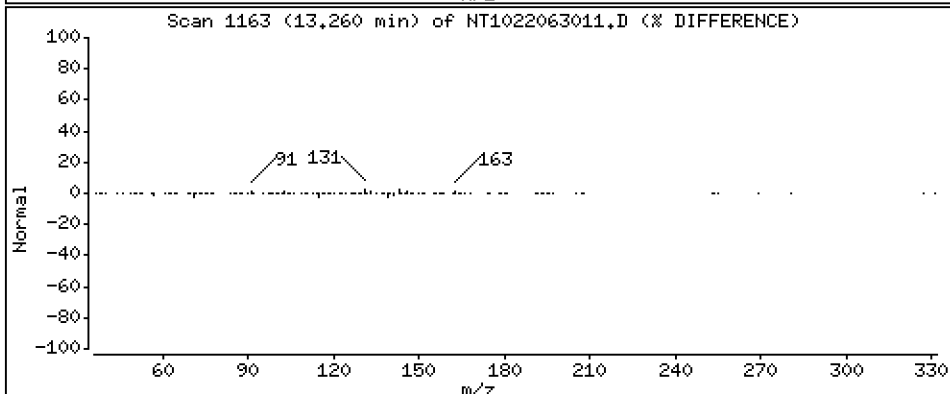
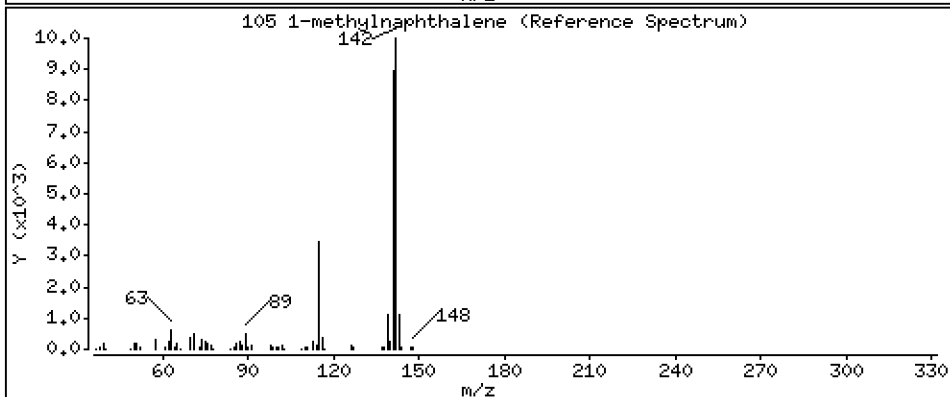
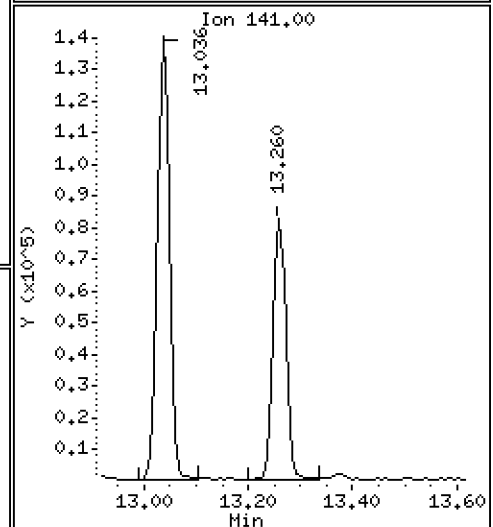
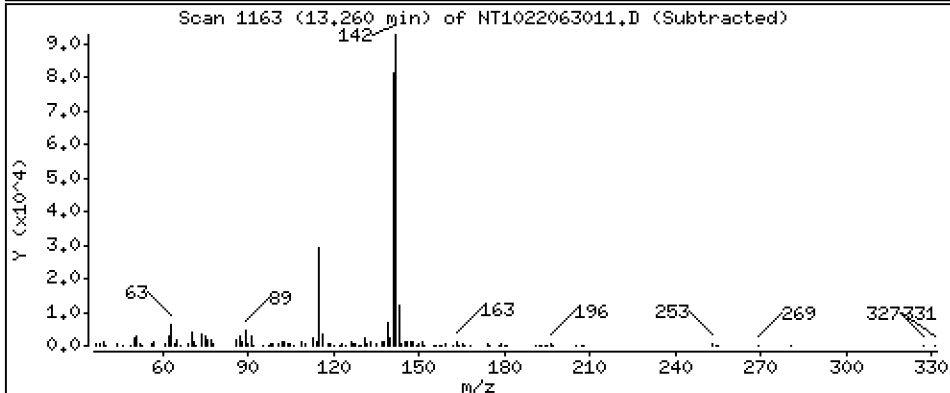
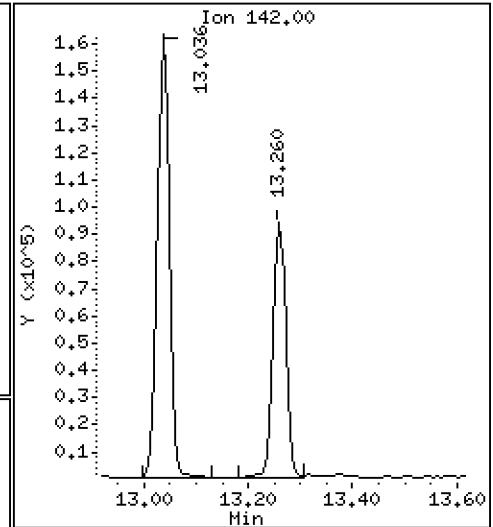
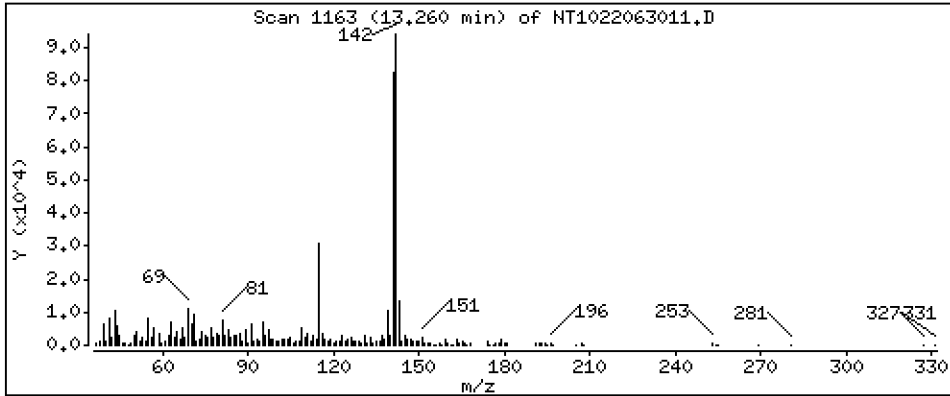
Operator: VTS

Column phase: ZB-5msi

Column diameter: 0,25

105 1-methylnaphthalene

Concentration: 0,6239 ug/mL



Date : 30-JUN-2022 20:02

Client ID:

Instrument: nt10.i

Sample Info: 22F0267-03

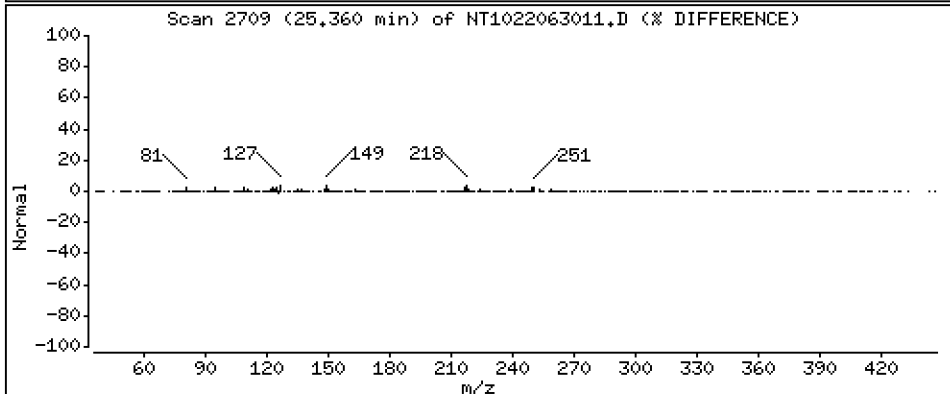
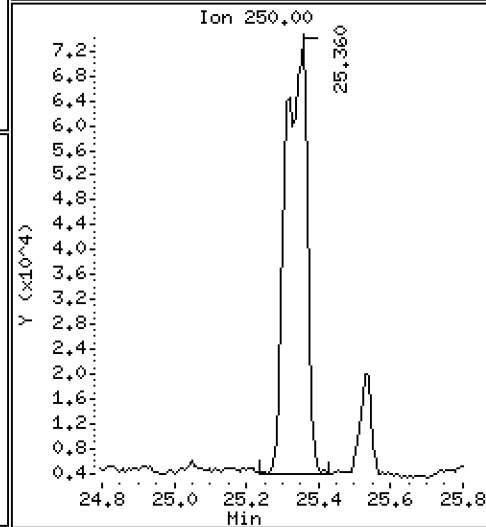
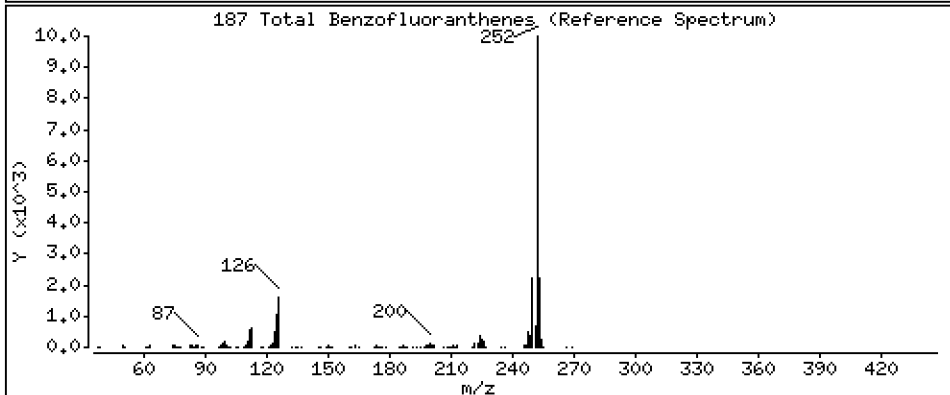
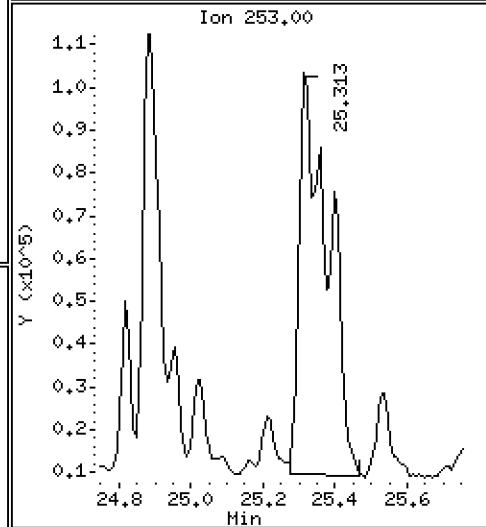
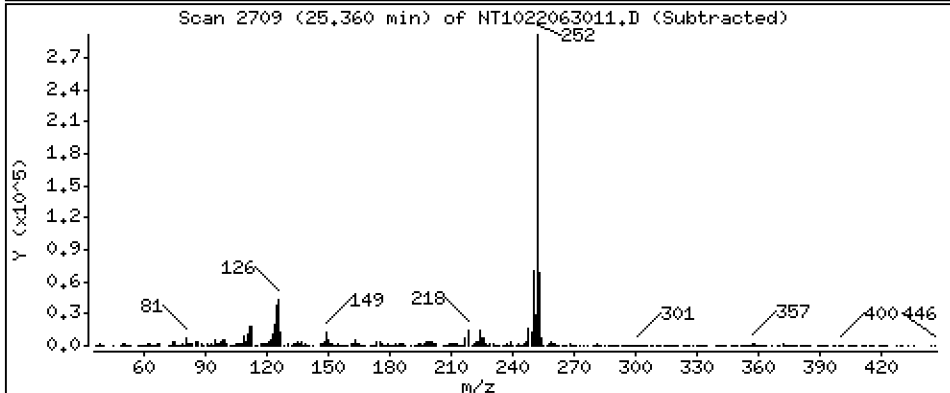
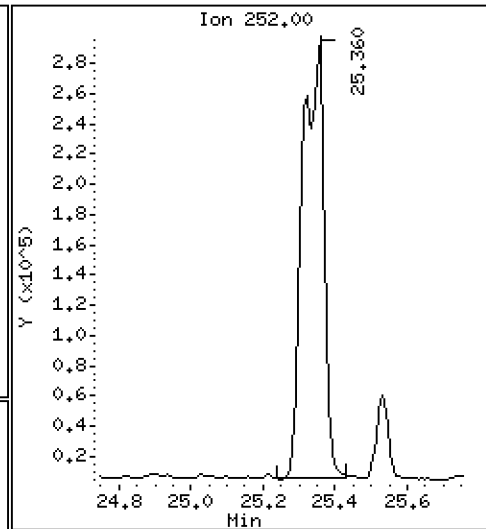
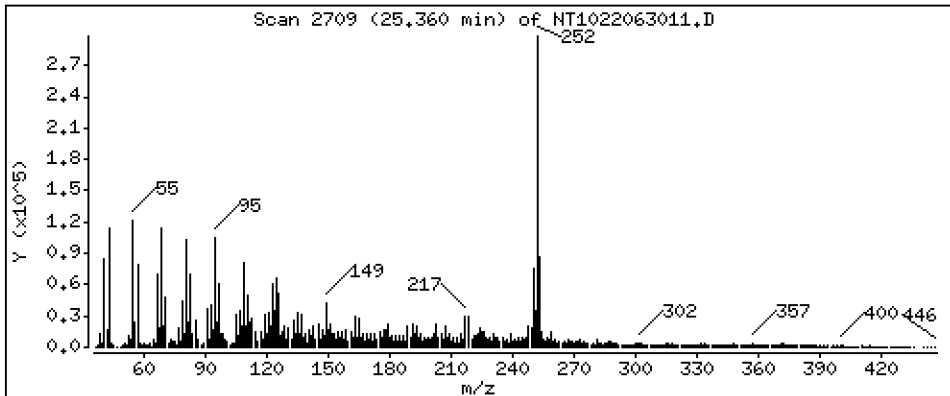
Operator: VTS

Column phase: ZB-5msi

Column diameter: 0,25

187 Total Benzofluoranthenes

Concentration: 18,66 ug/mL



ARI Labs, Inc.

Semivolatile Report SW846 Method 8270D

Data file : \\target\share\chem3\nt10.i\20220630.b\NT1022063011.D
 Lab Smp Id: 22F0267-03
 Inj Date : 30-JUN-2022 20:02
 Operator : VTS
 Smp Info : 22F0267-03
 Misc Info :
 Comment : 1ul Injection
 Method : \\target\share\chem3\nt10.i\20220630.b\ABN.m
 Meth Date : 01-Jul-2022 17:13 yev
 Cal Date : 23-JUN-2022 13:07
 Als bottle: 10
 Dil Factor: 1.00000
 Integrator: HP RTE
 Target Version: 4.14
 Processing Host: ORGDATA102

Inst ID: nt10.i
 Quant Type: ISTD
 Cal File: NT1022062308.D
 Compound Sublist: ICAL.sub

Compounds	QUANT	SIG	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS	
							ON-COLUMN	FINAL
	MASS						(ug/mL)	(ug/mL)
\$ 1 2-Fluorophenol	112		6.929	6.922	(0.760)	471324	4.77218	4.772
\$ 2 Phenol-d5	99		8.513	8.513	(0.934)	711424	4.85462	4.855
3 Phenol	94		8.537	8.529	(0.936)	182210	1.42689	1.427
\$ 5 2-Chlorophenol-d4	132		8.768	8.768	(0.962)	603403	5.99593	5.996
4 Bis(2-Chloroethyl)ether	93		Compound Not Detected.					
6 2-Chlorophenol	128		Compound Not Detected.					
7 1,3-Dichlorobenzene	146		Compound Not Detected.					
* 8 1,4-Dichlorobenzene-d4	152		9.117	9.117	(1.000)	270475	4.00000	
9 1,4-Dichlorobenzene	146		9.140	9.148	(1.003)	2206	0.02542	0.02542
\$ 10 1,2-Dichlorobenzene-d4	152		9.474	9.474	(1.039)	257005	4.14446	4.144
12 1,2-Dichlorobenzene	146		Compound Not Detected.					
11 Benzyl alcohol	108		Compound Not Detected.					
14 2,2'-oxybis(1-Chloropropane)	121		Compound Not Detected.					
13 2-Methylphenol	108		9.637	9.637	(1.057)	21706	0.27569	0.2757
17 Hexachloroethane	117		Compound Not Detected.					
16 N-Nitroso-di-n-propylamine	70		Compound Not Detected.					
15 4-Methylphenol	108		9.908	9.901	(1.087)	86220	1.02470	1.025
\$ 18 Nitrobenzene-d5	82		10.203	10.211	(0.880)	405029	3.86566	3.866
19 Nitrobenzene	77		Compound Not Detected.					
20 Isophorone	82		Compound Not Detected.					
21 2-Nitrophenol	139		Compound Not Detected.					
22 2,4-Dimethylphenol	107		10.953	10.944	(0.945)	20333	0.25093	0.2509
23 Bis(2-Chloroethoxy)methane	93		Compound Not Detected.					
24 Benzoic acid	105		11.089	11.123	(0.956)	21978	0.52630	0.5263 (H)
25 2,4-Dichlorophenol	162		Compound Not Detected.					
26 1,2,4-Trichlorobenzene	180		Compound Not Detected.					
* 27 Naphthalene-d8	136		11.596	11.604	(1.000)	984681	4.00000	
28 Naphthalene	128		11.643	11.643	(1.004)	1612414	6.39820	6.398
29 4-Chloroaniline	127		Compound Not Detected.					
30 Hexachlorobutadiene	225		Compound Not Detected.					
31 4-Chloro-3-methylphenol	107		Compound Not Detected.					
32 2-Methylnaphthalene	142		13.035	13.043	(1.124)	245956	0.98201	0.9820
33 Hexachlorocyclopentadiene	237		Compound Not Detected.					

Compounds	QUANT MASS	SIG	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS	
							ON-COLUMN (ug/mL)	FINAL (ug/mL)
34 2,4,6-Trichlorophenol	196					Compound Not Detected.		
35 2,4,5-Trichlorophenol	196					Compound Not Detected.		
\$ 36 2-Fluorobiphenyl	172		13.817	13.824	(0.908)	943610	4.95010	4.950
37 2-Chloronaphthalene	162					Compound Not Detected.		
38 2-Nitroaniline	65					Compound Not Detected.		
39 Dimethylphthalate	163		14.722	14.730	(0.967)	43246	0.29275	0.2927
40 Acenaphthylene	152		14.908	14.916	(0.980)	275949	1.12065	1.121
41 2,6-Dinitrotoluene	165					Compound Not Detected.		
* 42 Acenaphthene-d10	164		15.217	15.225	(1.000)	421244	4.00000	
43 3-Nitroaniline	138					Compound Not Detected.		
44 Acenaphthene	153		15.287	15.295	(1.005)	200294	1.63493	1.635
45 2,4-Dinitrophenol	184					Compound Not Detected.		
46 Dibenzofuran	168		15.619	15.619	(1.026)	218785	1.12373	1.124
47 4-Nitrophenol	109					Compound Not Detected.		
48 2,4-Dinitrotoluene	165					Compound Not Detected.		
50 Diethylphthalate	149		16.184	16.191	(1.063)	14626	0.11542	0.1154
49 Fluorene	166		16.331	16.338	(1.073)	294310	1.26509	1.265
51 4-Chlorophenyl-phenylether	204					Compound Not Detected.		
52 4-Nitroaniline	138					Compound Not Detected.		
53 4,6-Dinitro-2-methylphenol	198					Compound Not Detected.		
54 N-Nitrosodiphenylamine	169					Compound Not Detected.		
\$ 55 2,4,6-Tribromophenol	330		16.878	16.878	(1.109)	92607	4.84372	4.844
56 4-Bromophenyl-phenylether	248					Compound Not Detected.		
57 Hexachlorobenzene	284					Compound Not Detected.		
58 Pentachlorophenol	266					Compound Not Detected.		
* 59 Phenanthrene-d10	188		18.285	18.277	(1.000)	446180	4.00000	
60 Phenanthrene	178		18.331	18.331	(1.003)	1658636	14.1498	14.15
61 Anthracene	178		18.424	18.424	(1.008)	482365	3.86149	3.861
62 Carbazole	167		18.764	18.757	(1.026)	80514	0.69865	0.6987
63 Di-n-butylphthalate	149					Compound Not Detected.		
64 Fluoranthene	202		20.753	20.722	(0.887)	2311523	13.2380	13.24
65 Pyrene	202		21.186	21.147	(0.906)	2723431	16.7444	16.74
\$ 66 Terphenyl-d14	244		21.457	21.434	(0.918)	204132	2.64524	2.645
67 Butylbenzylphthalate	149					Compound Not Detected.		
68 Benzo(a)anthracene	228		23.362	23.331	(0.999)	861696	9.19587	9.196
* 69 Chrysene-d12	240		23.385	23.354	(1.000)	221135	4.00000	
70 3,3'-Dichlorobenzidine	252					Compound Not Detected.		
71 Chrysene	228		23.439	23.400	(1.002)	891228	12.2776	12.28
72 bis(2-Ethylhexyl)phthalate	149					Compound Not Detected.		
* 134 Di-n-octylphthalate-d4	153		24.438	24.407	(1.000)	444927	4.00000	
73 Di-n-octylphthalate	149					Compound Not Detected.		
74 Benzo(b)fluoranthene	252		25.320	25.251	(0.969)	634640	9.23965	9.240
75 Benzo(k)fluoranthene	252		25.359	25.297	(0.971)	663155	10.0405	10.04 (M)
76 Benzo(a)pyrene	252		26.010	25.924	(0.996)	759970	13.5187	13.52
* 77 Perylene-d12	264		26.126	26.041	(1.000)	151665	4.00000	
78 Indeno(1,2,3-cd)pyrene	276		28.915	28.806	(1.107)	125557	2.09182	2.092
79 Dibenzo(a,h)anthracene	278		28.907	28.814	(1.106)	37067	0.80669	0.8067
80 Benzo(g,h,i)perylene	276		29.723	29.622	(1.138)	106802	2.22596	2.226
90 N-Nitrosodimethylamine	74					Compound Not Detected.		
91 Aniline	93					Compound Not Detected.		
93 Benzidine	184					Compound Not Detected.		
103 Pyridine	79					Compound Not Detected.		
105 1-methylnaphthalene	142		13.259	13.267	(1.143)	153521	0.62389	0.6239
111 Azobenzene (1,2-DP-Hydrazine)	77					Compound Not Detected.		

Compounds	QUANT SIG	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS		
						ON-COLUMN (ug/mL)	FINAL (ug/mL)	
187 Total Benzofluoranthenes	252	25.359	25.251	(0.971)	1194798	18.6563	18.66	
120 2,3,4,6-Tetrachlorophenol	232	Compound Not Detected.						

QC Flag Legend

- M - Compound response manually integrated.
- H - Operator selected an alternate compound hit.

ARI Labs, Inc.

INTERNAL STANDARD COMPOUNDS
 AREA AND RT SUMMARY

Instrument ID: nt10.i Calibration Date: 30-JUN-2022
 Lab File ID: NT1022063011.D Calibration Time: 14:09
 Lab Smp Id: 22F0267-03
 Analysis Type: SV Level:
 Quant Type: ISTD Sample Type:
 Operator: VTS
 Method File: \\target\share\chem3\nt10.i\20220630.b\ABN.m
 Misc Info:

Test Mode:
 Use Last Continuing Calibrator.

COMPOUND	STANDARD	AREA LIMIT		SAMPLE	%DIFF
		LOWER	UPPER		
8 1,4-Dichlorobenze	207392	103696	414784	270475	30.42
27 Naphthalene-d8	696938	348469	1393876	984681	41.29
42 Acenaphthene-d10	395441	197721	790882	421244	6.53
59 Phenanthrene-d10	603067	301534	1206134	446180	-26.01
69 Chrysene-d12	148146	74073	296292	221135	49.27
134 Di-n-octylphthala	308009	154005	616018	444927	44.45
77 Perylene-d12	115550	57775	231100	151665	31.25

COMPOUND	STANDARD	RT LIMIT		SAMPLE	%DIFF
		LOWER	UPPER		
8 1,4-Dichlorobenze	9.12	8.62	9.62	9.12	-0.00
27 Naphthalene-d8	11.60	11.10	12.10	11.60	-0.07
42 Acenaphthene-d10	15.23	14.73	15.73	15.22	-0.05
59 Phenanthrene-d10	18.28	17.78	18.78	18.29	0.04
69 Chrysene-d12	23.35	22.85	23.85	23.39	0.13
134 Di-n-octylphthala	24.41	23.91	24.91	24.44	0.13
77 Perylene-d12	26.04	25.54	26.54	26.13	0.33

AREA UPPER LIMIT = +100% of internal standard area.
 AREA LOWER LIMIT = - 50% of internal standard area.
 RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
 RT LOWER LIMIT = - 0.50 minutes of internal standard RT.

REVIEW SUMMARY FOR FILE - NT1022063011.D

Lab ID: 22F0267-03
nt10.i, ABN.m, 30-JUN-2022 20:02

RT CO-ELUTION COMPOUNDS

NO CO-ELUTIONS

Quant Method: ICAL

RRT CHECK

RRT	CCV	RRT	DELTA	COMPOUND
-----	-----	-----	-------	----------

NONE

RRT check based on Ccal File: NT1022063002.D

On Column LOD for nt10.i, ABN.m, ICAL.sub = 0.0000

* Only compounds listed in the work order have been verified by the analyst *

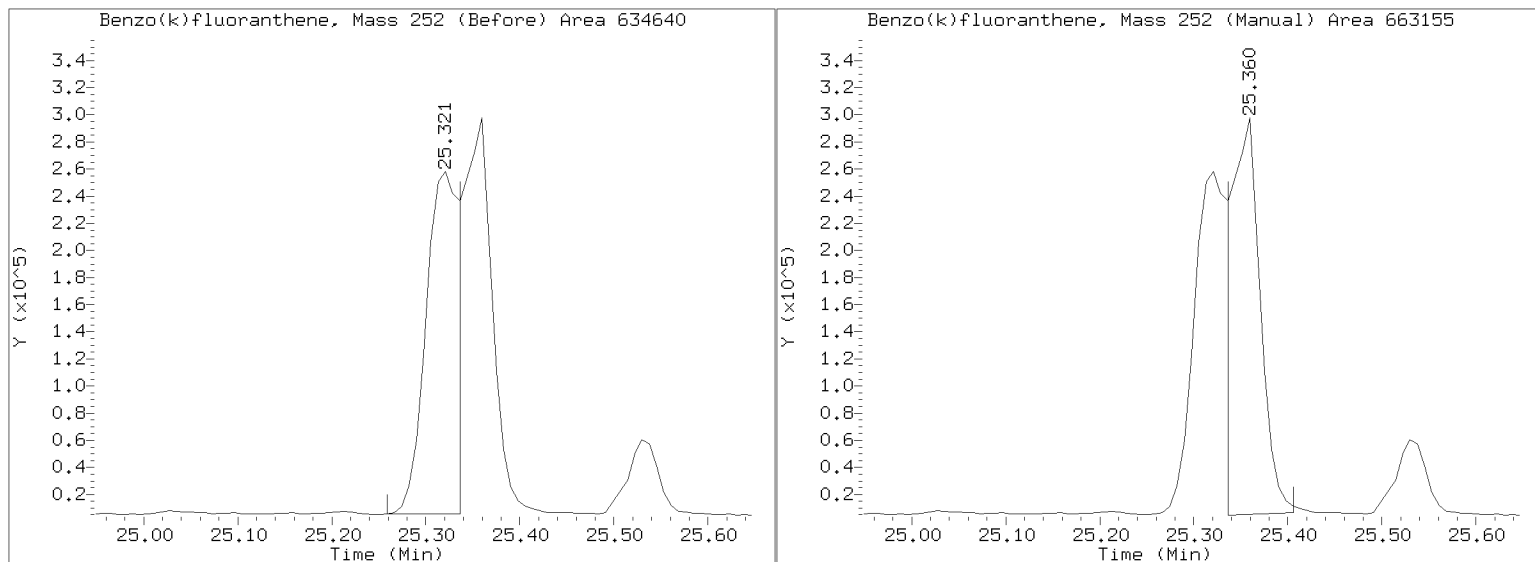
Quant Ion Manual Peak Adjustment Report

Datafile: //target/share/chem3/nt10.i/20220630.b/NT1022063011.D

Injection Date: 30-JUN-2022 20:02

Lab ID: 22F0267-03 Client ID:

Report Date: 07/01/2022 17:14





Form I
ORGANIC ANALYSIS DATA SHEET
EPA 8270E
Semivolatiles (20ug/kg - 0.2ug/L SepF)

Laboratory: Analytical Resources, LLC
 Client: GeoEngineers
 Project: RG Haley Site-Bellingham
 Matrix: Sediment Laboratory ID: 22F0267-05 A SDG: 22F0267
 Sampled: 06/15/22 10:20 Prepared: 06/21/22 13:45 File ID: NT1022063012.D
 % Solids: 79.27 Preparation: EPA 3546 (Microwave) Analyzed: 06/30/22 20:41
 Batch: BKF0469 Sequence: SKG0010 Initial/Final: 12.66 g Wet / 1 mL
 Instrument: NT10 Column: ZB-5MSi Calibration: FF00062
 Cleanups: GPC

CAS NO.	COMPOUND	DILUTION	CONC: (ug/kg dry)	Q	DL	RL
91-20-3	Naphthalene	1	70.8		4.2	19.9
91-57-6	2-Methylnaphthalene	1	46.2		4.5	19.9
83-32-9	Acenaphthene	1	10.1	J	5.2	19.9
87-86-5	Pentachlorophenol	1	113	Q	31.1	99.6
85-01-8	Phenanthrene	1	129		8.7	19.9
206-44-0	Fluoranthene	1	161		6.1	19.9
56-55-3	Benzo(a)anthracene	1	60.5		5.9	19.9
218-01-9	Chrysene	1	90.1		6.0	19.9
205-99-2	Benzo(b)fluoranthene	1	48.7		7.0	19.9
207-08-9	Benzo(k)fluoranthene	1	67.1		5.0	19.9
50-32-8	Benzo(a)pyrene	1	70.0		4.2	19.9
193-39-5	Indeno(1,2,3-cd)pyrene	1	30.2		14.6	19.9
53-70-3	Dibenzo(a,h)anthracene	1	17.2	U	17.2	19.9
90-12-0	1-Methylnaphthalene	1	29.3		5.2	19.9

SURROGATES	ADDED: (ug/kg dry)	FOUND: (ug/kg dry)	% REC	QC LIMITS	Q
2-Fluorophenol	747.34	501	67.1	27 - 120	
Phenol-d5	747.34	519	69.4	29 - 120	
2-Chlorophenol-d4	747.34	675	90.3	31 - 120	
1,2-Dichlorobenzene-d4	498.23	463	92.8	32 - 120	
Nitrobenzene-d5	498.23	443	88.9	30 - 120	
2-Fluorobiphenyl	498.23	525	105	35 - 120	
2,4,6-Tribromophenol	747.34	686	91.7	24 - 134	
p-Terphenyl-d14	498.23	443	88.8	37 - 120	

Data File: \\target\share\chem3\nt10.1\20220630.1\NT1022063012.D

Date: 30-JUN-2022 20:41

Client ID:

Sample Info: 22F0267-05

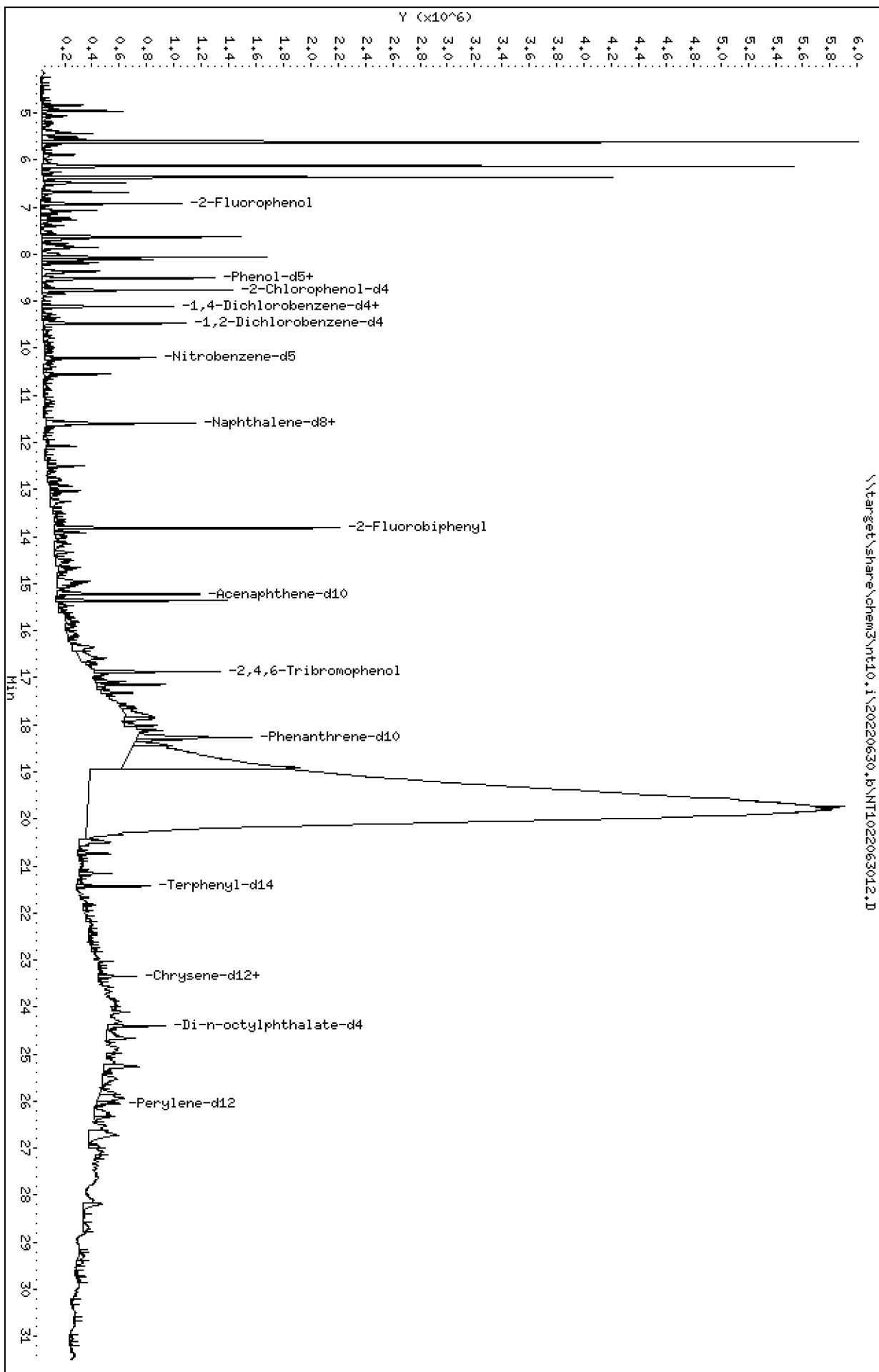
Page 1

Column phase: ZB-5msi

Instrument: nt10.1

Operator: VTS

Column diameter: 0.25



Date : 30-JUN-2022 20:41

Client ID:

Instrument: nt10.i

Sample Info: 22F0267-05

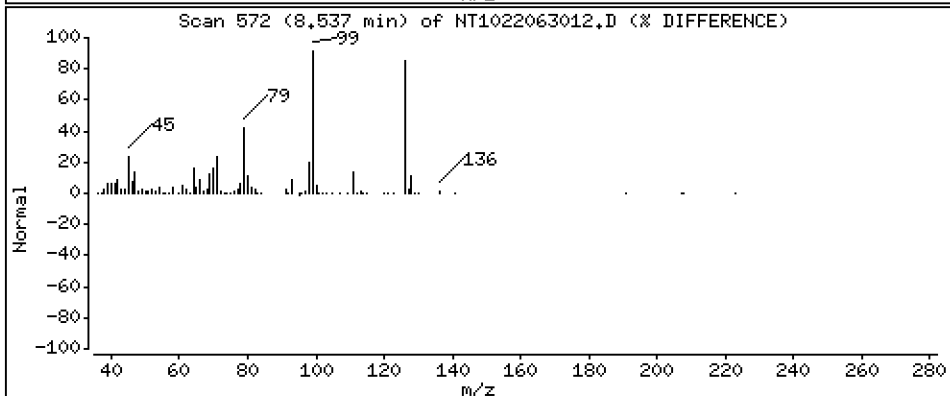
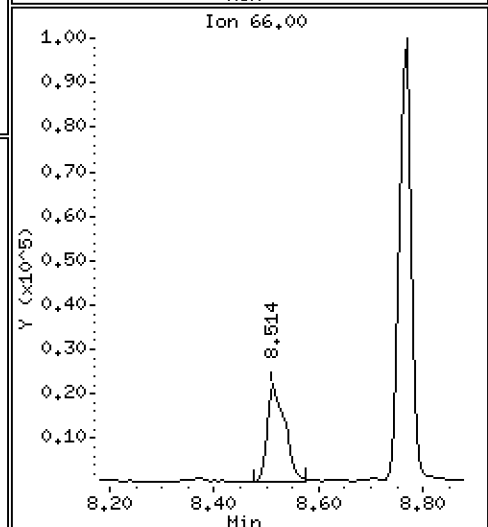
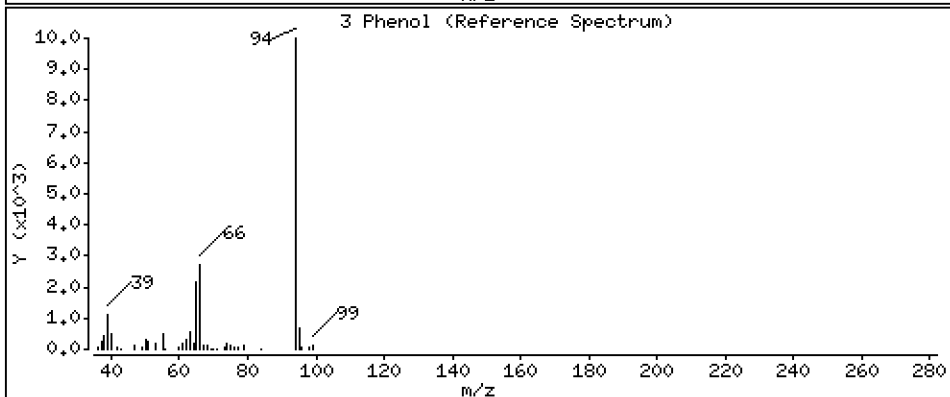
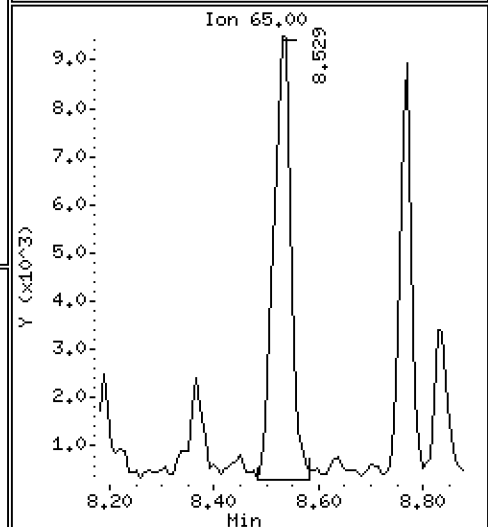
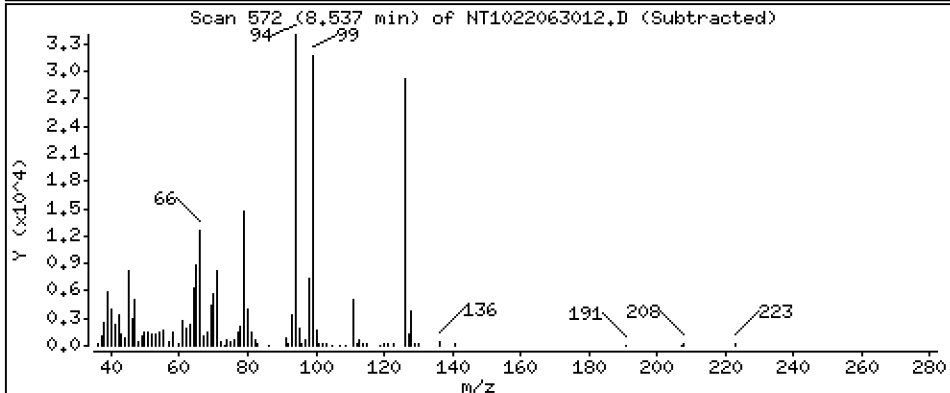
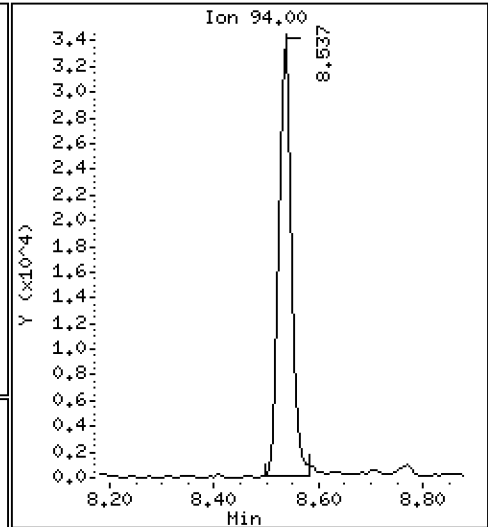
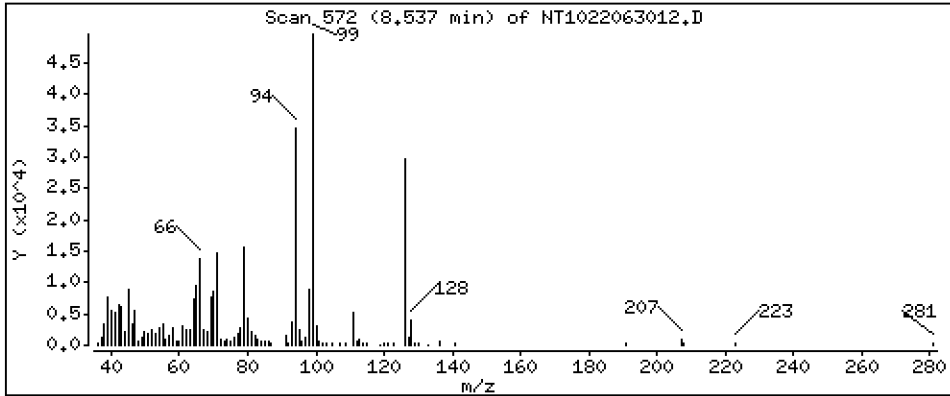
Operator: VTS

Column phase: ZB-5msi

Column diameter: 0,25

3 Phenol

Concentration: 0,4311 ug/mL



Date : 30-JUN-2022 20:41

Client ID:

Instrument: nt10.i

Sample Info: 22F0267-05

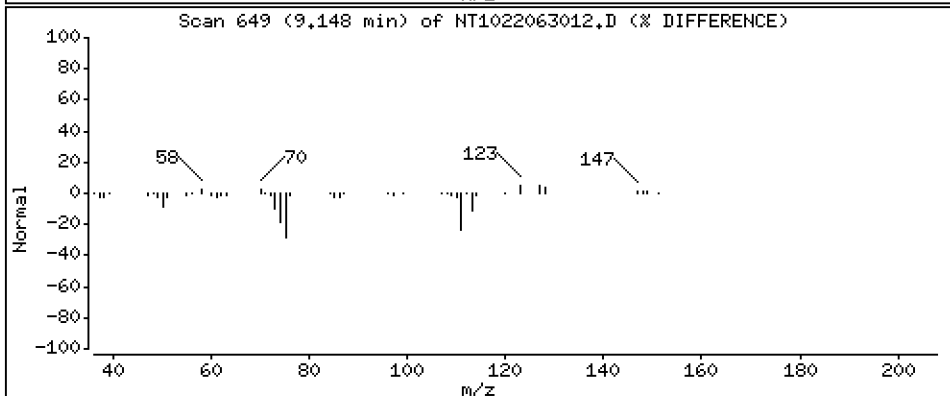
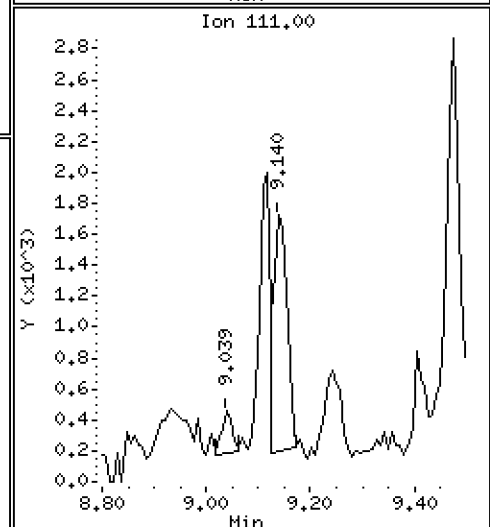
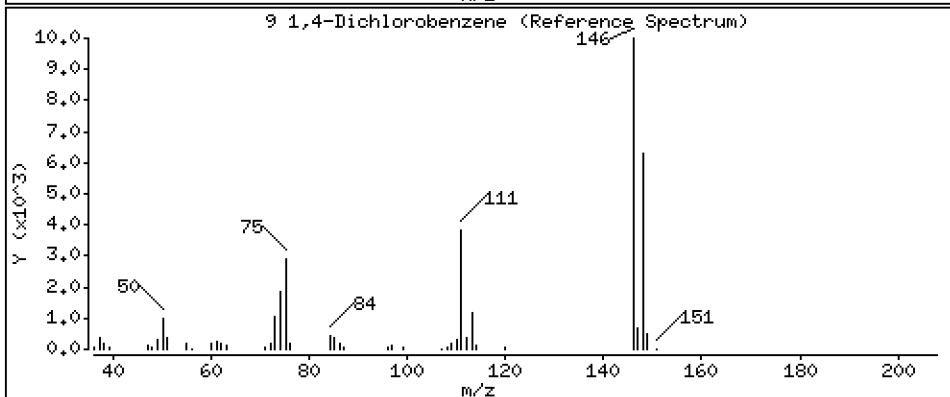
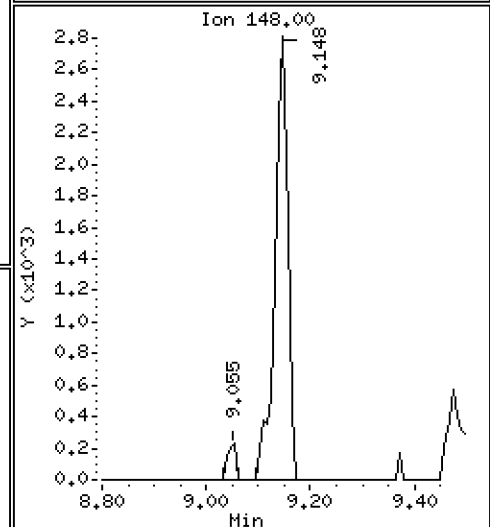
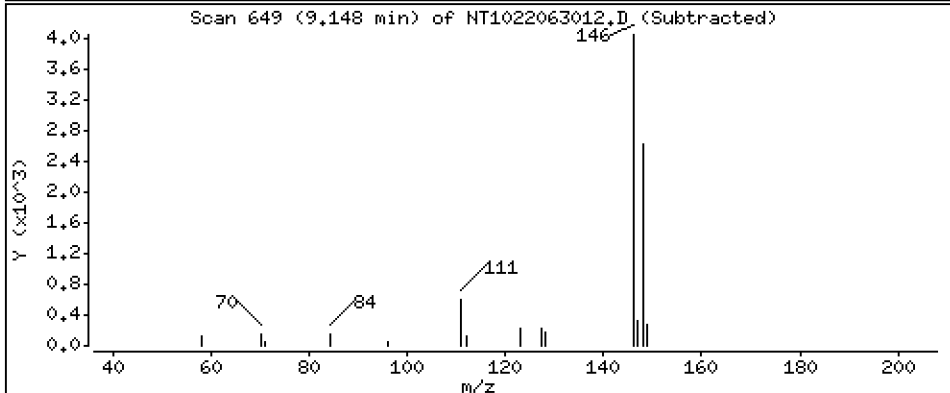
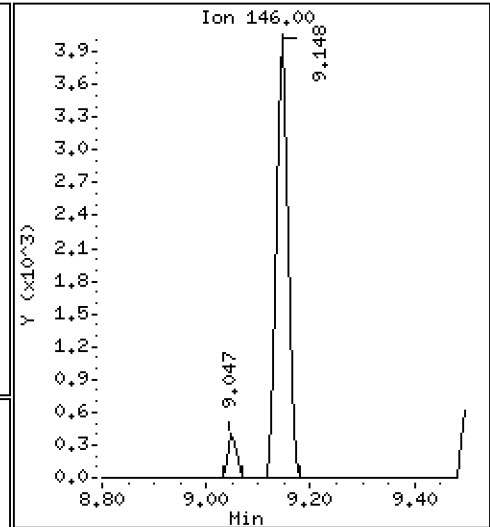
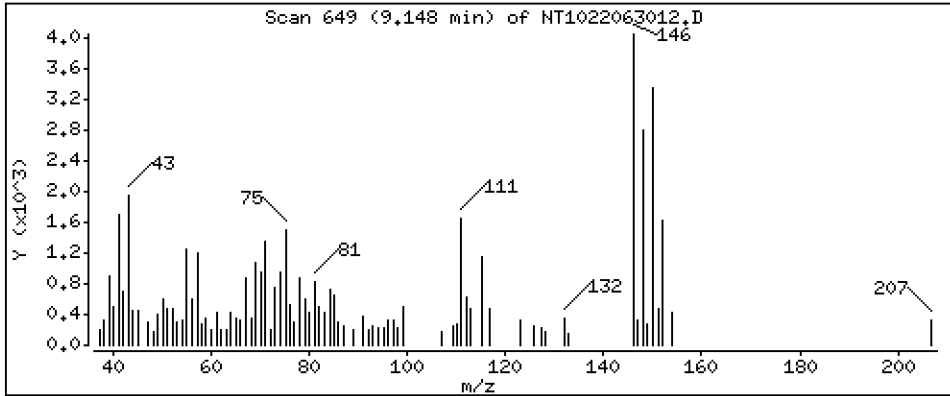
Operator: VTS

Column phase: ZB-5msi

Column diameter: 0,25

9 1,4-Dichlorobenzene

Concentration: 0,06760 ug/mL



Date : 30-JUN-2022 20:41

Client ID:

Instrument: nt10.i

Sample Info: 22F0267-05

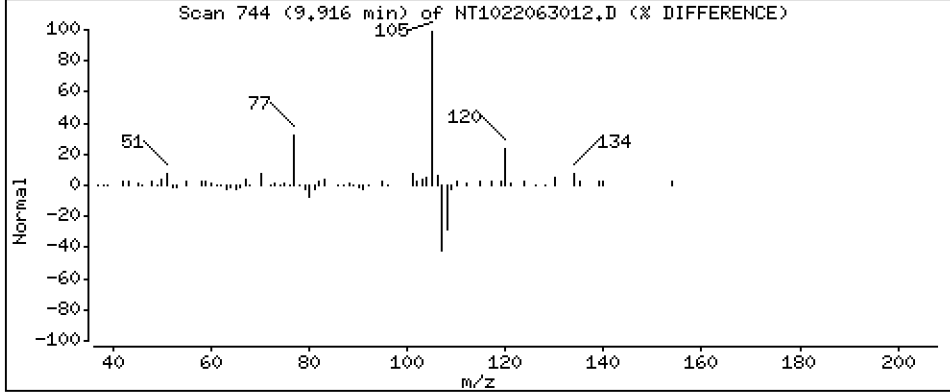
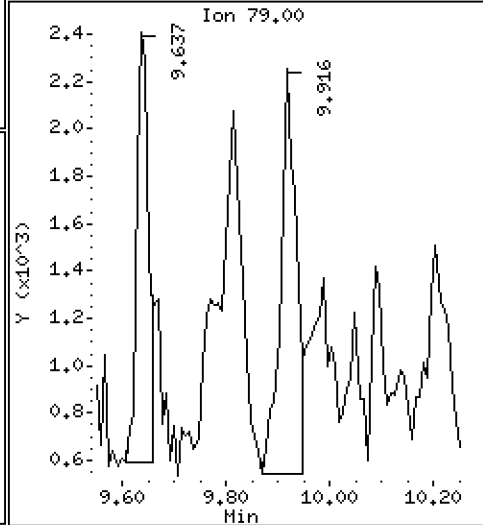
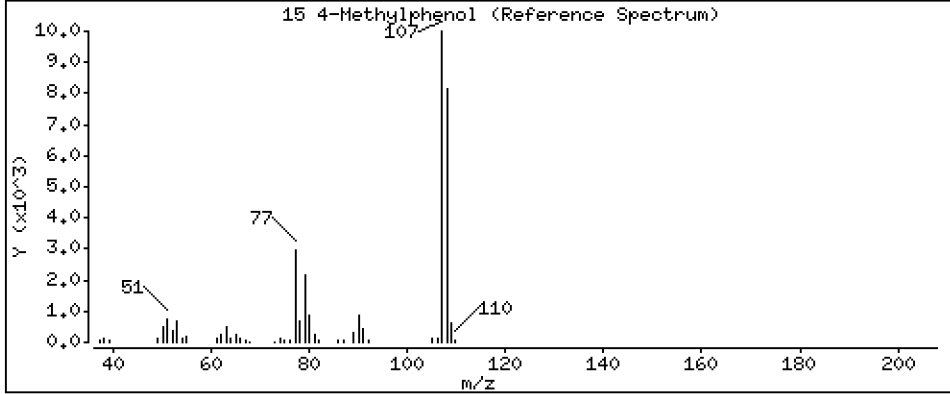
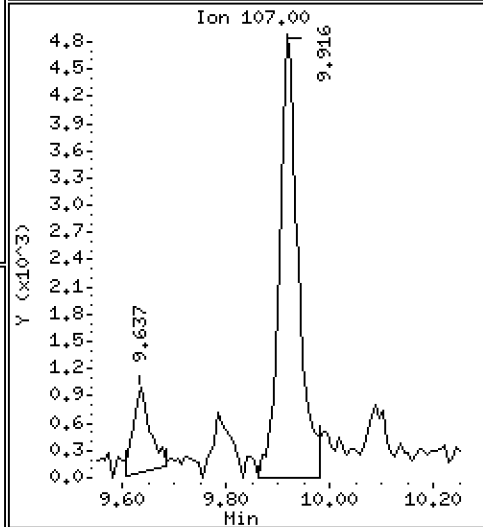
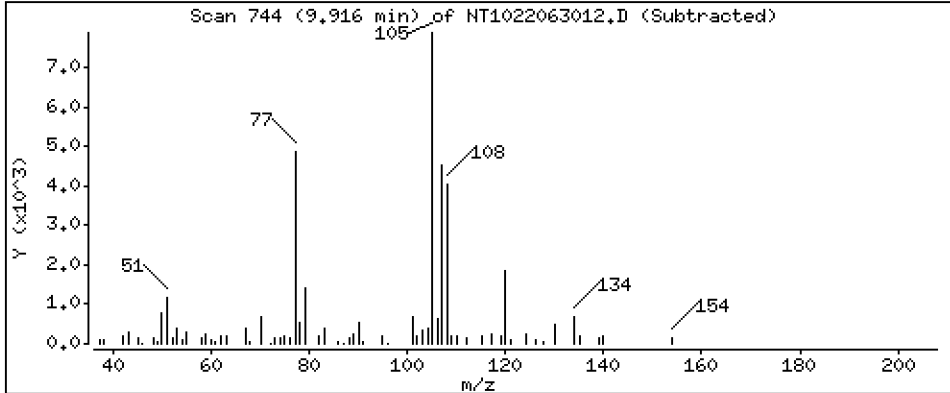
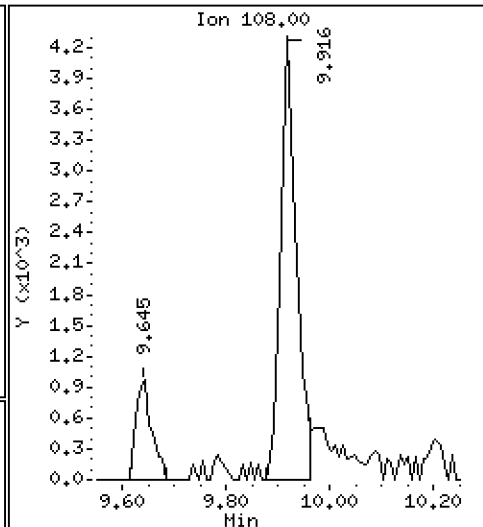
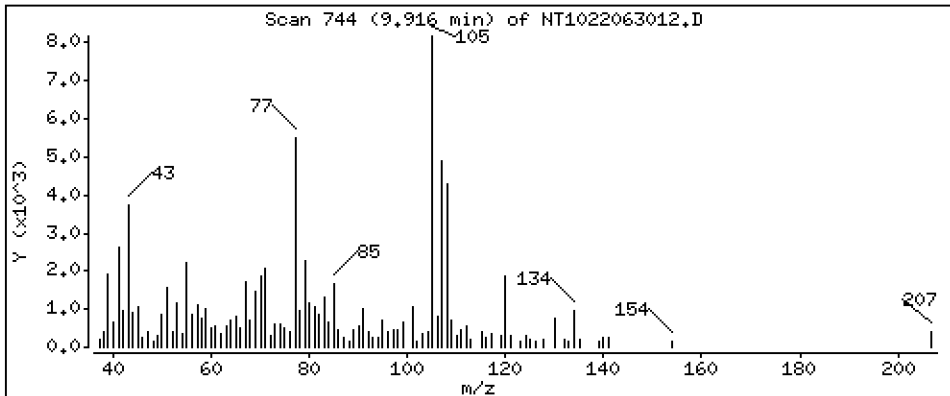
Operator: VTS

Column phase: ZB-5msi

Column diameter: 0.25

Concentration: 0.1110 ug/mL

15 4-Methylphenol



Date : 30-JUN-2022 20:41

Client ID:

Instrument: nt10.i

Sample Info: 22F0267-05

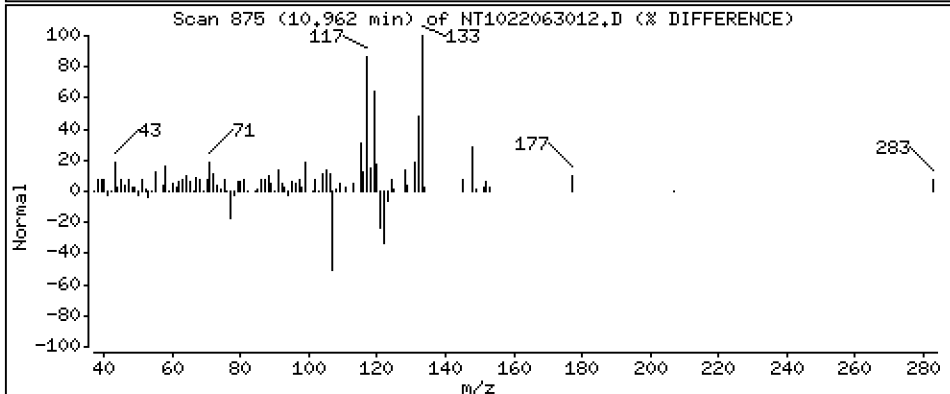
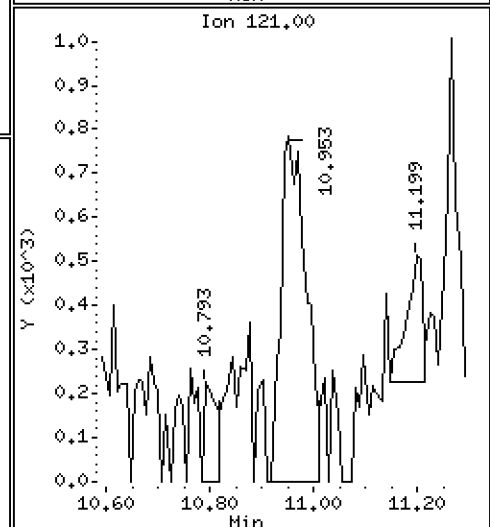
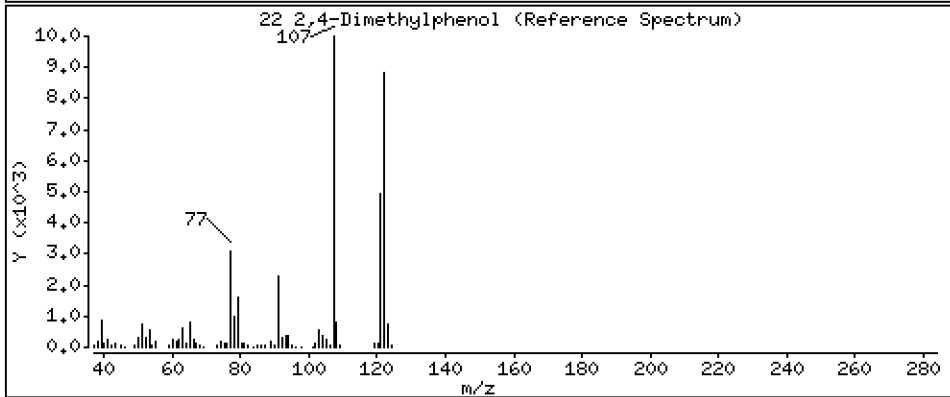
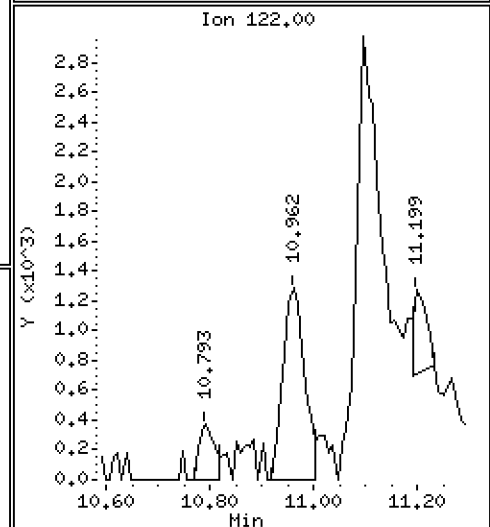
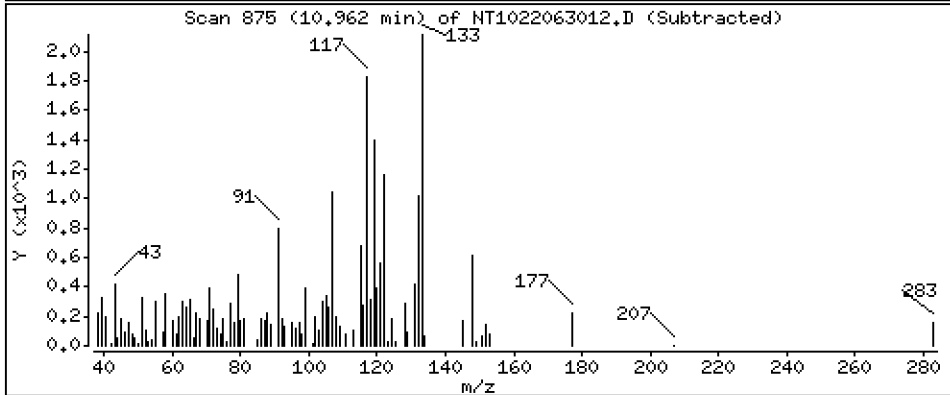
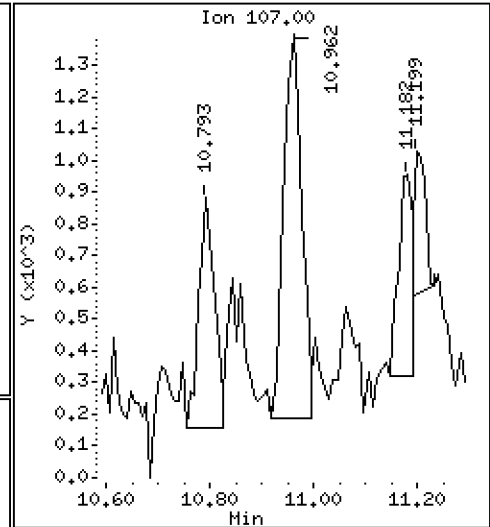
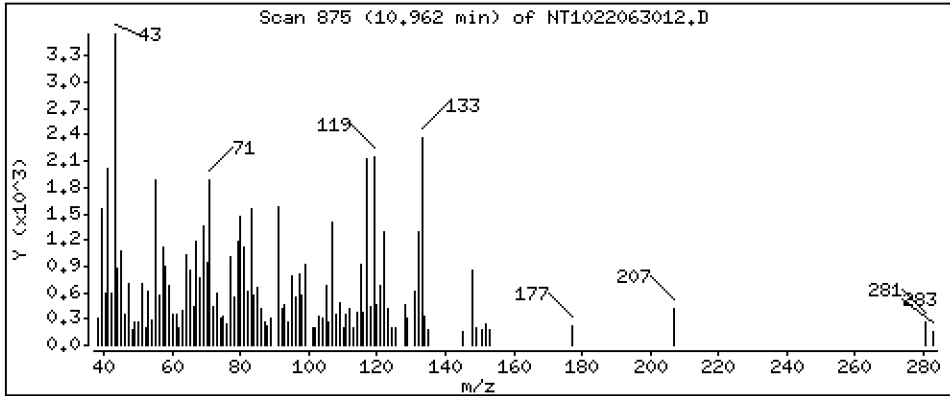
Operator: VTS

Column phase: ZB-5msi

Column diameter: 0.25

22 2,4-Dimethylphenol

Concentration: 0.03774 ug/mL



Date : 30-JUN-2022 20:41

Client ID:

Instrument: nt10.i

Sample Info: 22F0267-05

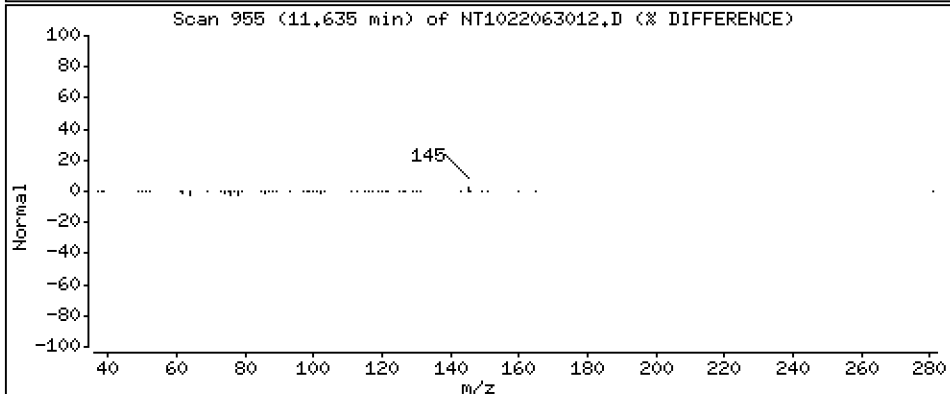
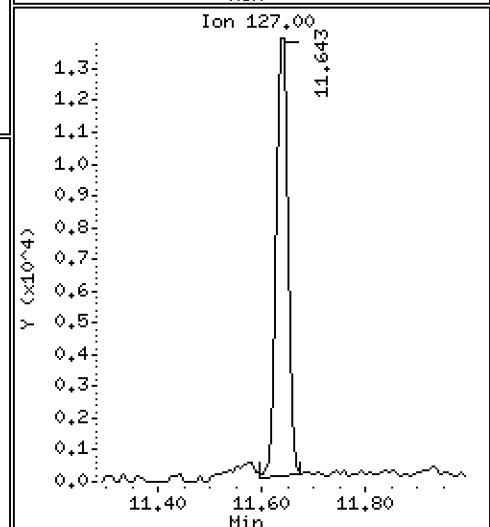
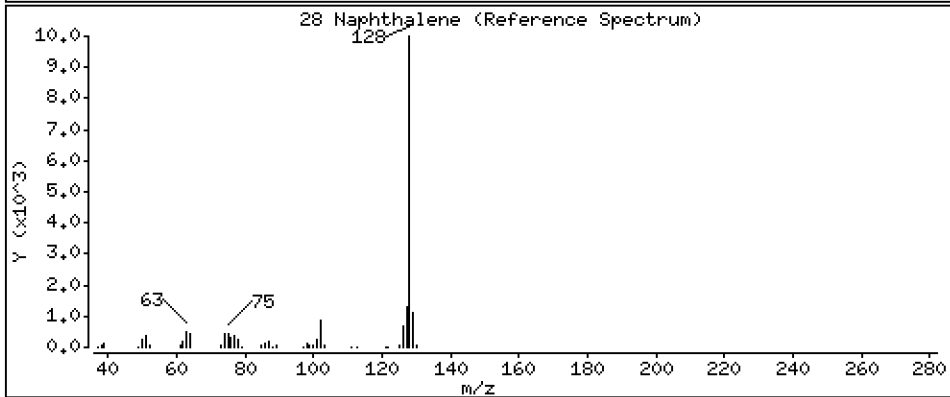
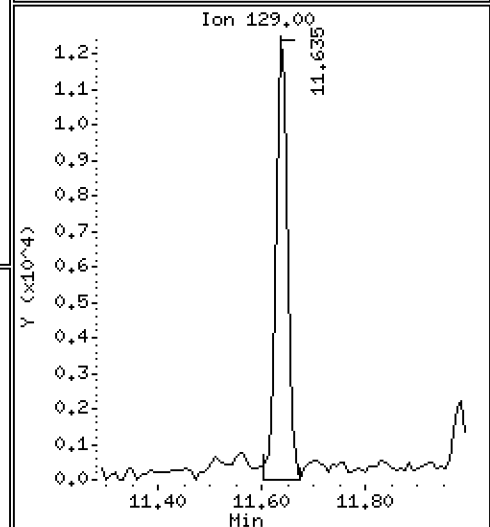
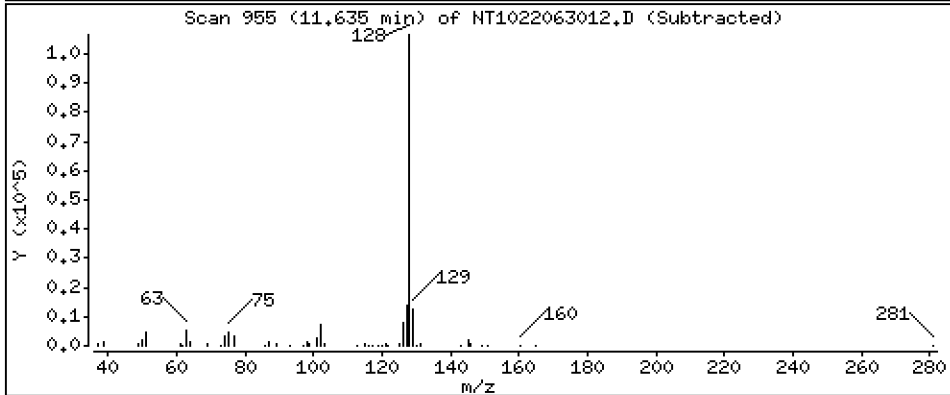
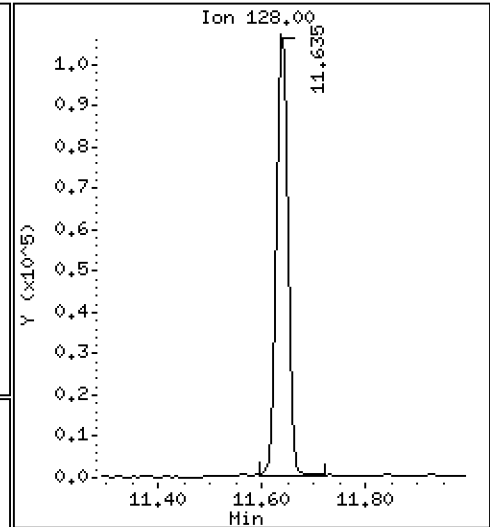
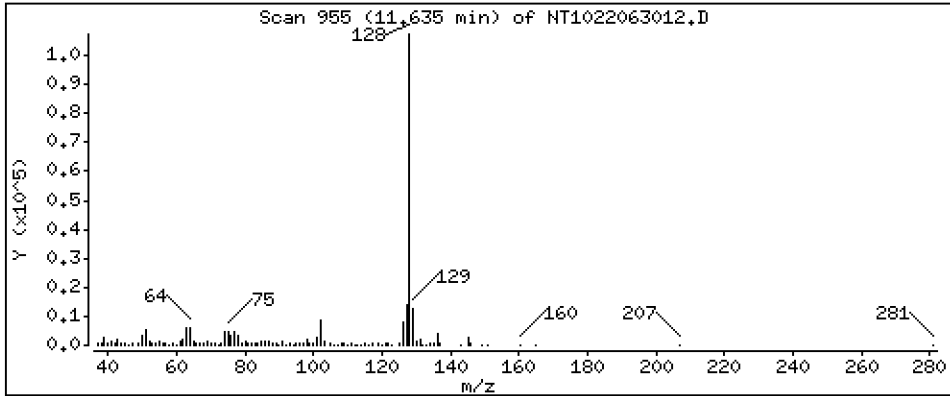
Operator: VTS

Column phase: ZB-5msi

Column diameter: 0.25

28 Naphthalene

Concentration: 0.7102 ug/mL



Date : 30-JUN-2022 20:41

Client ID:

Instrument: nt10.i

Sample Info: 22F0267-05

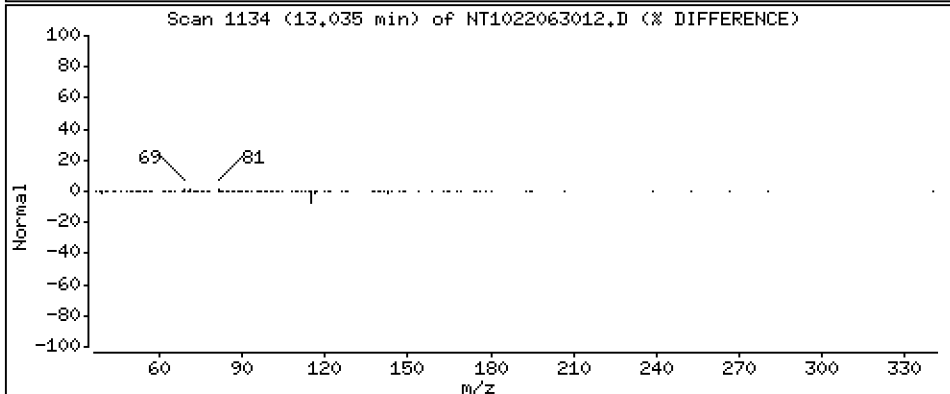
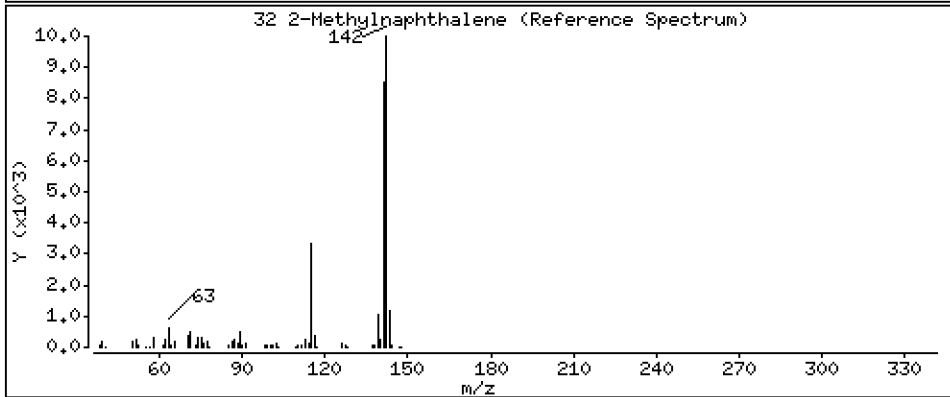
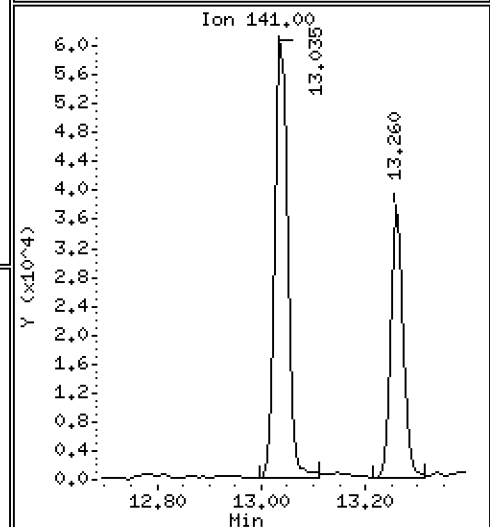
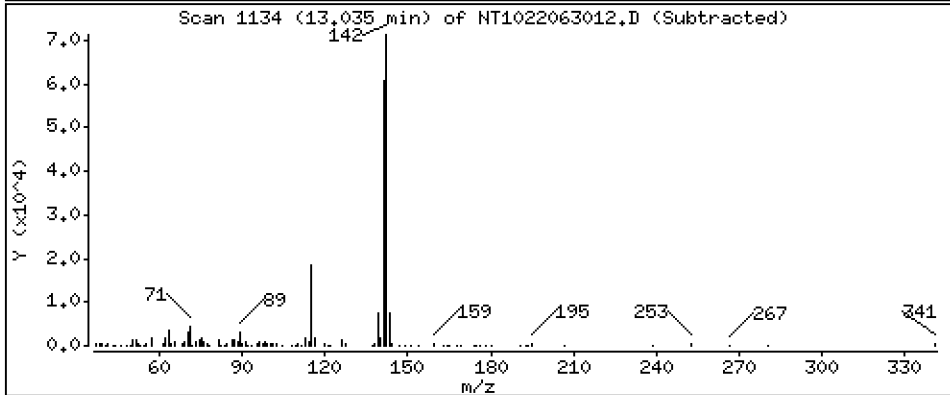
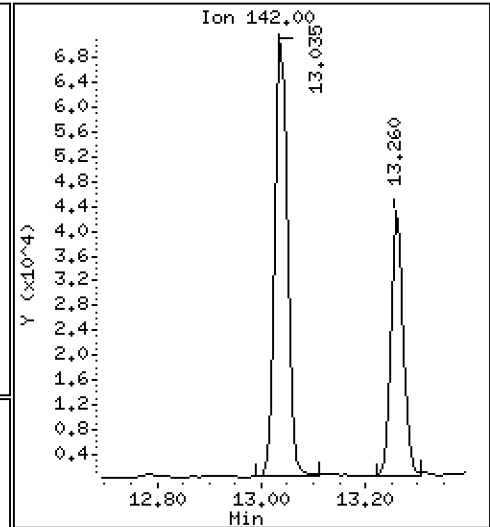
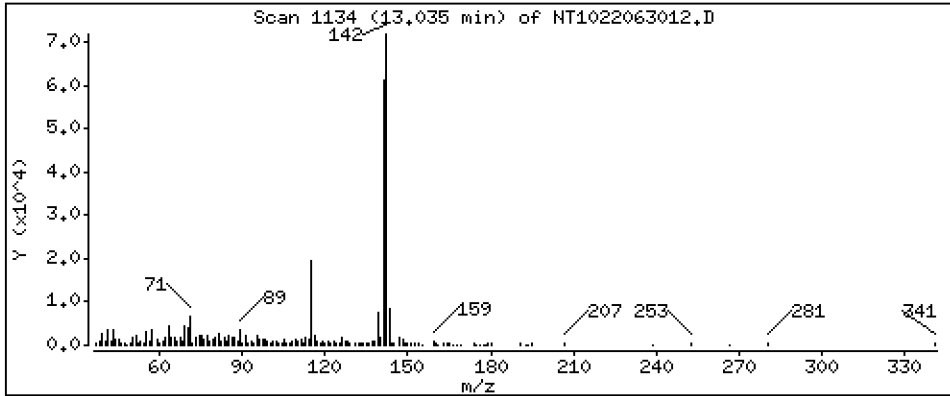
Operator: VTS

Column phase: ZB-5msi

Column diameter: 0,25

32 2-Methylnaphthalene

Concentration: 0,4641 ug/mL



Date : 30-JUN-2022 20:41

Client ID:

Instrument: nt10.i

Sample Info: 22F0267-05

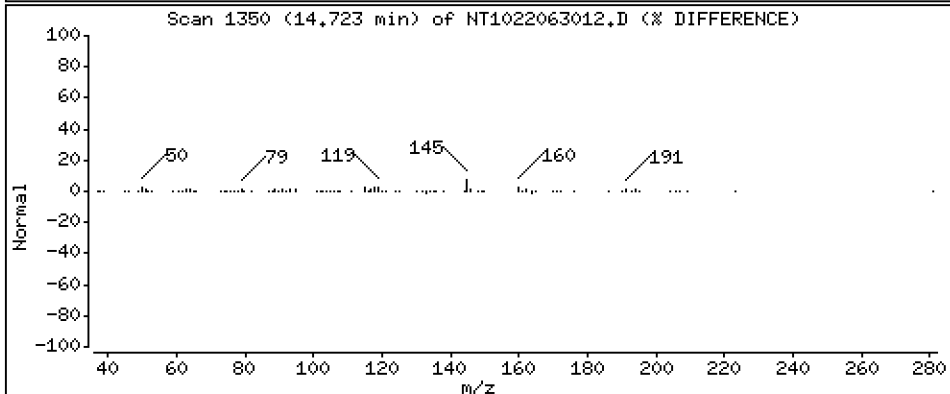
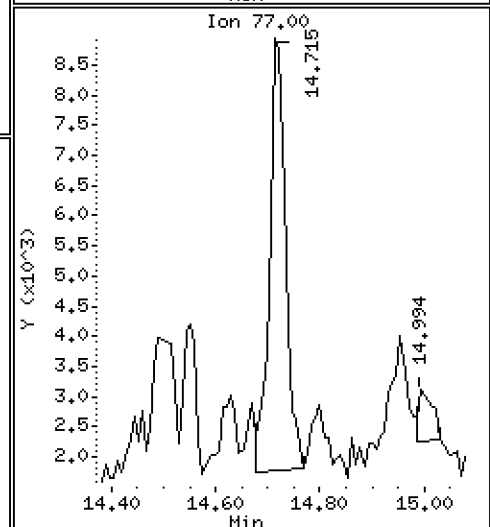
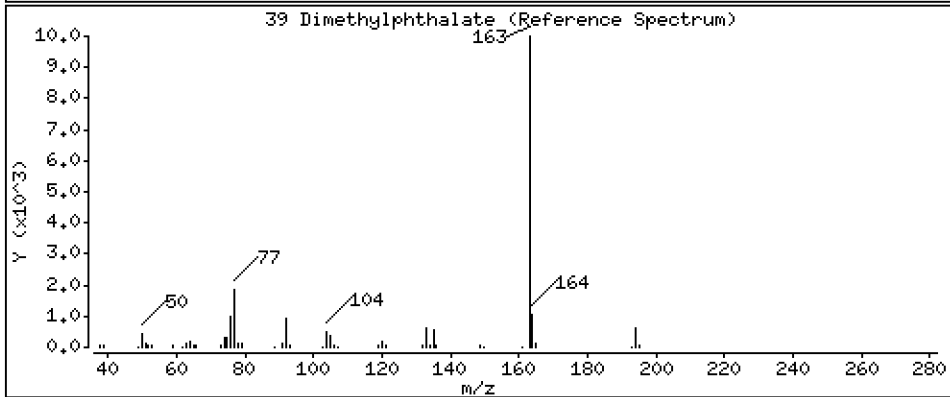
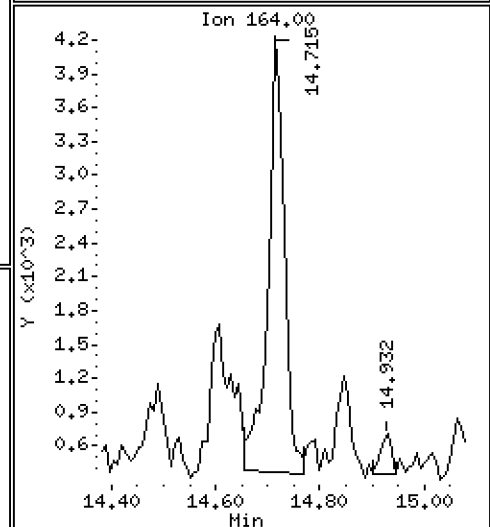
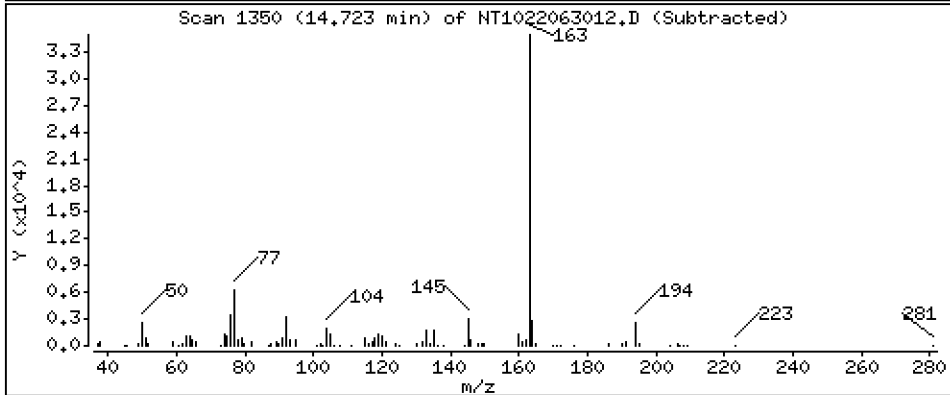
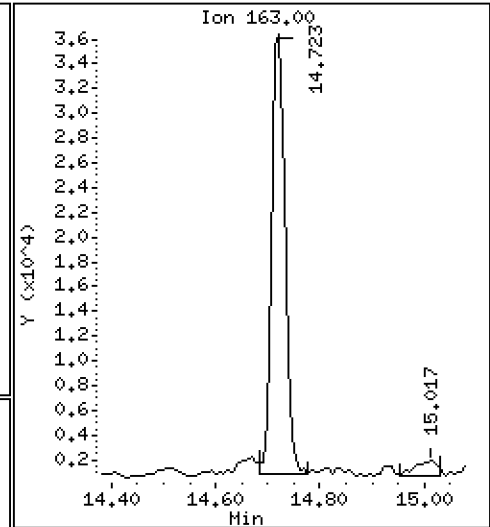
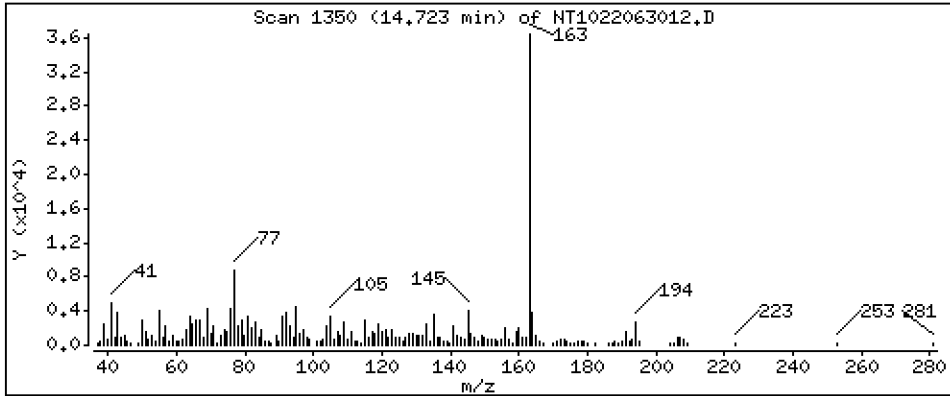
Operator: VTS

Column phase: ZB-5msi

Column diameter: 0,25

Concentration: 0,3705 ug/mL

39 Dimethylphthalate



Date : 30-JUN-2022 20:41

Client ID:

Instrument: nt10.i

Sample Info: 22F0267-05

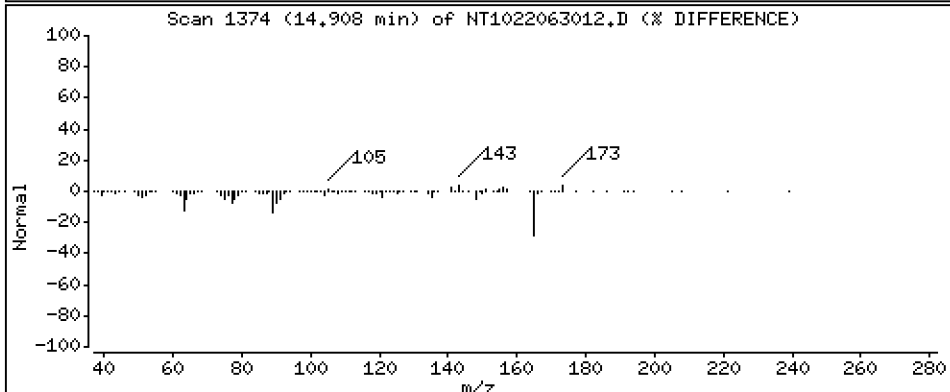
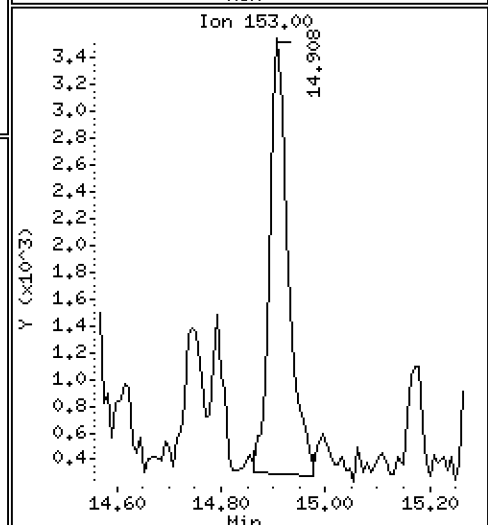
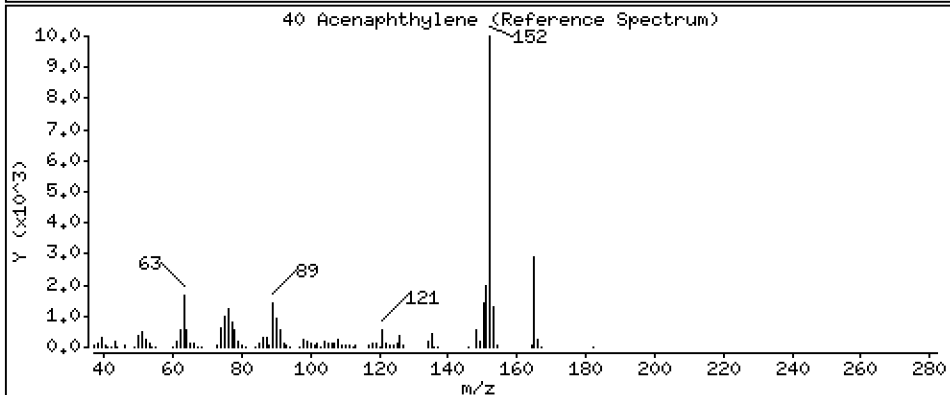
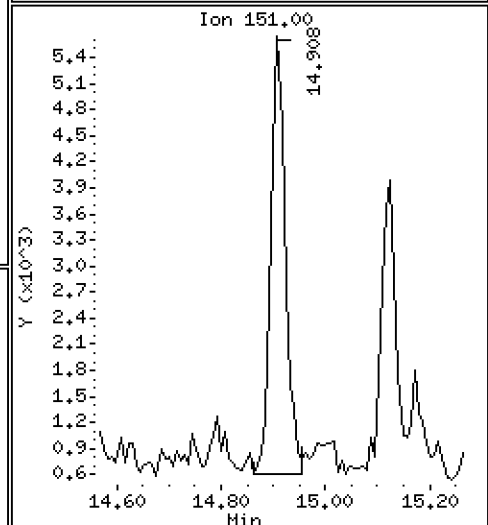
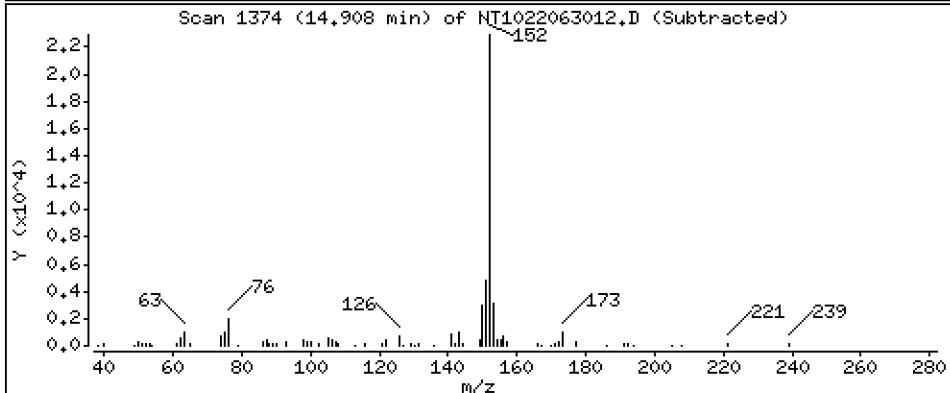
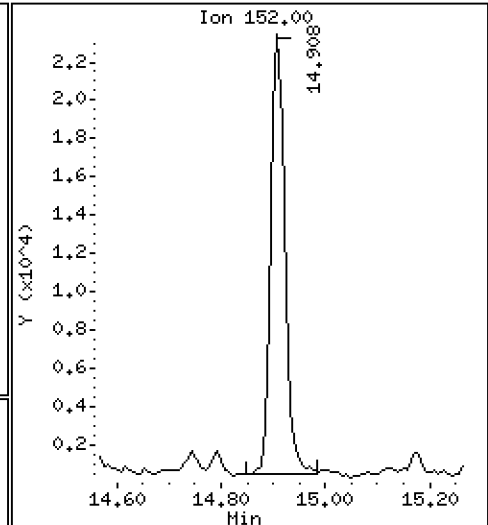
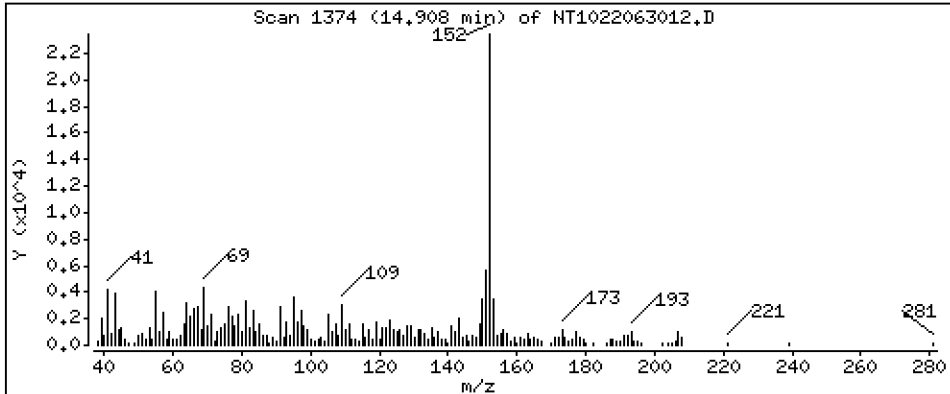
Operator: VTS

Column phase: ZB-5msi

Column diameter: 0.25

40 Acenaphthylene

Concentration: 0.1525 ug/mL



Date : 30-JUN-2022 20:41

Client ID:

Instrument: nt10.i

Sample Info: 22F0267-05

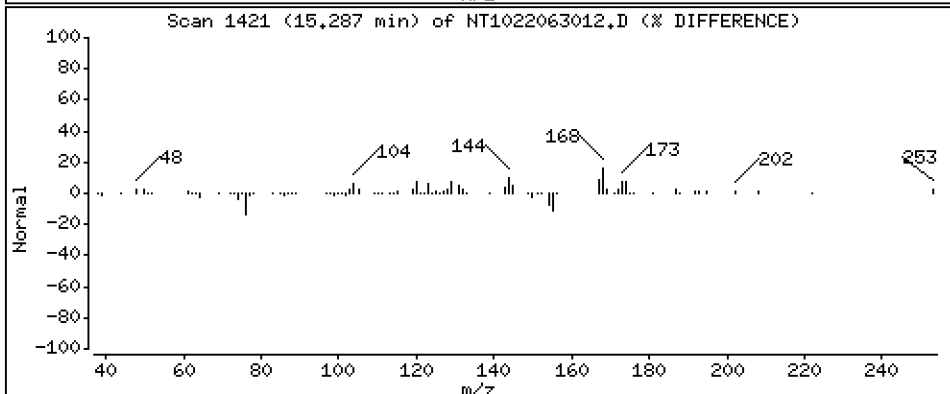
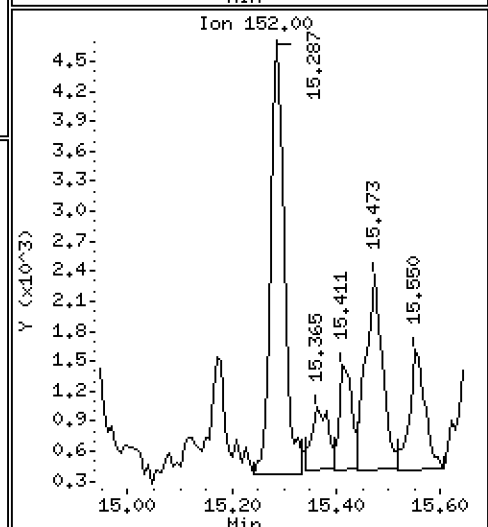
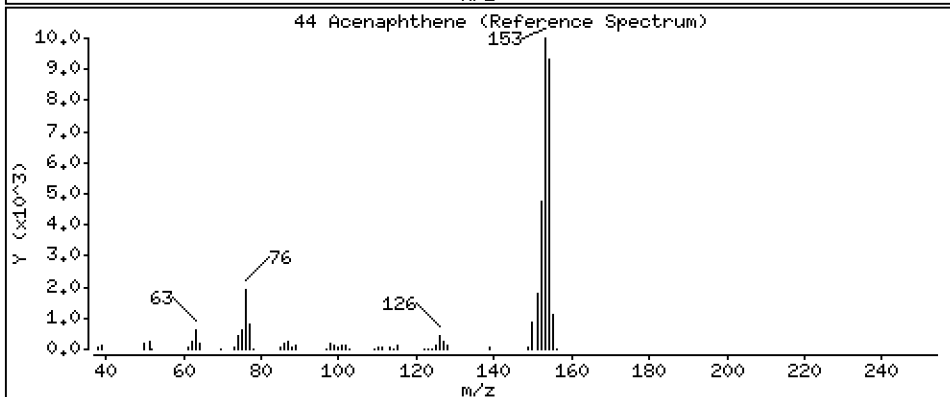
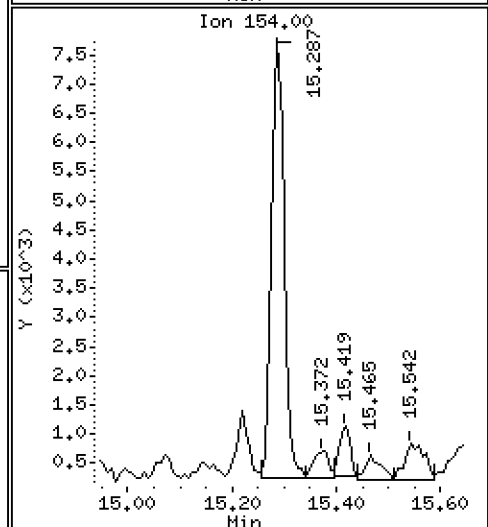
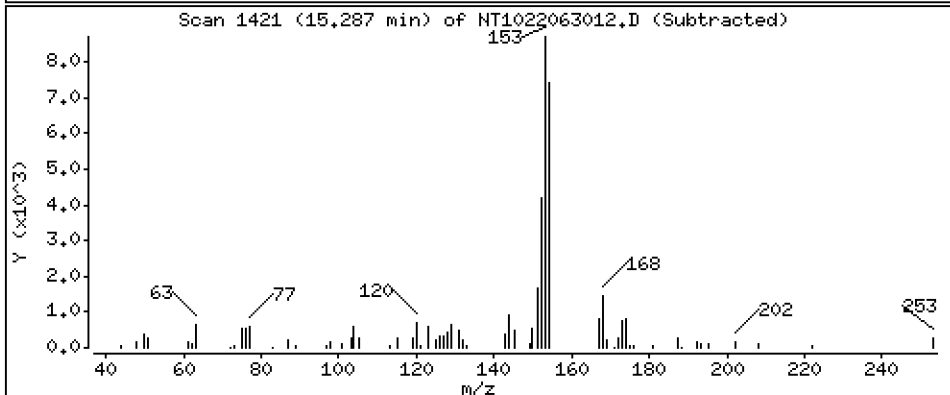
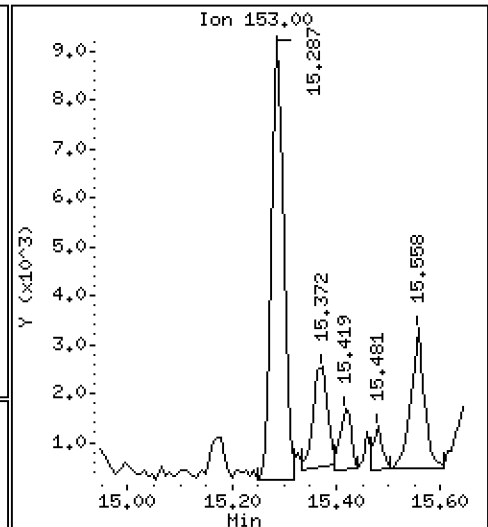
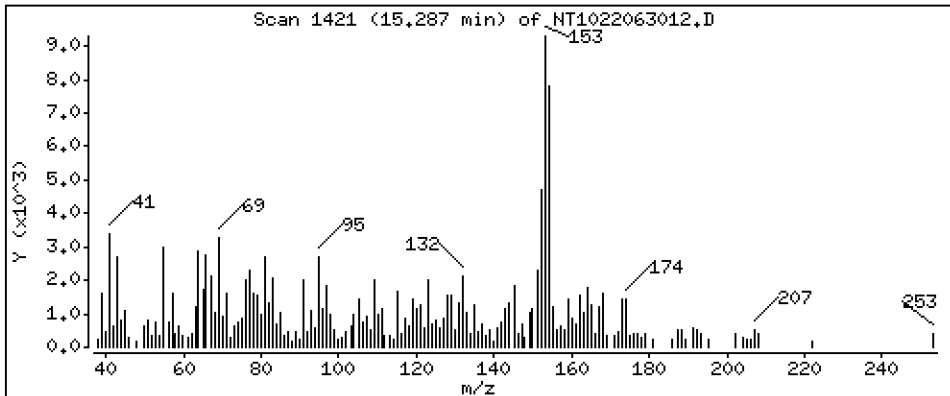
Operator: VTS

Column phase: ZB-5msi

Column diameter: 0.25

44 Acenaphthene

Concentration: 0.1010 ug/mL



Date : 30-JUN-2022 20:41

Client ID:

Instrument: nt10.i

Sample Info: 22F0267-05

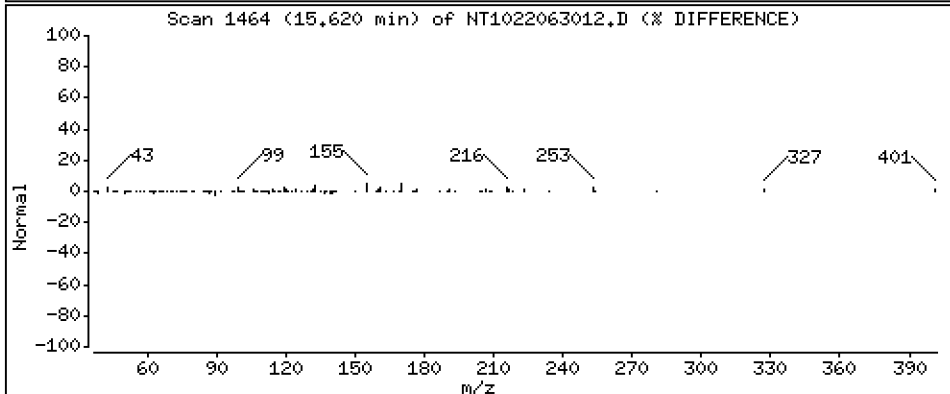
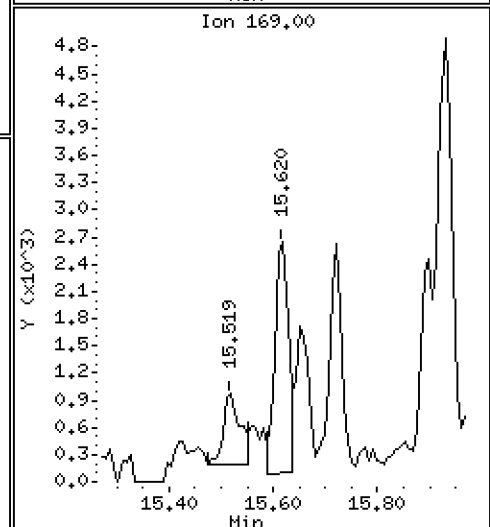
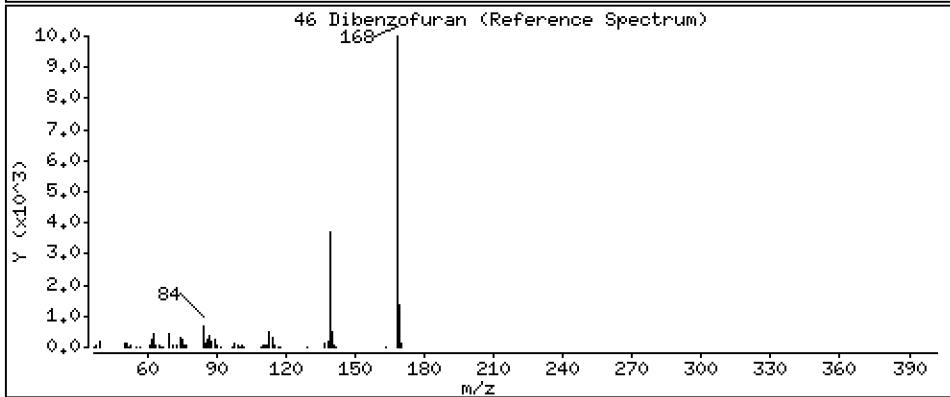
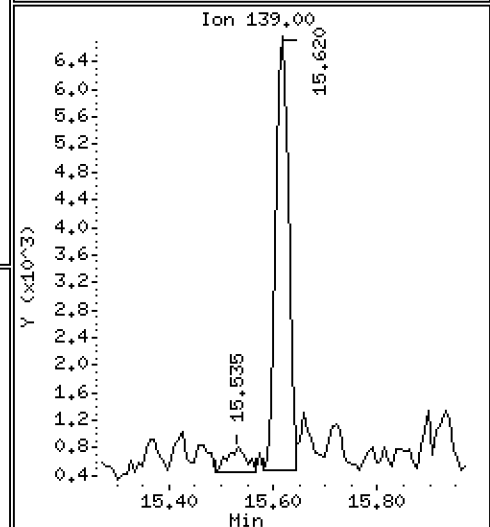
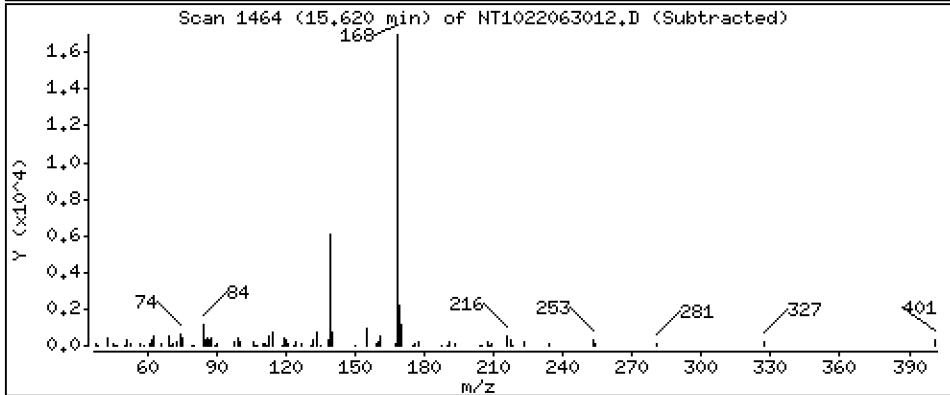
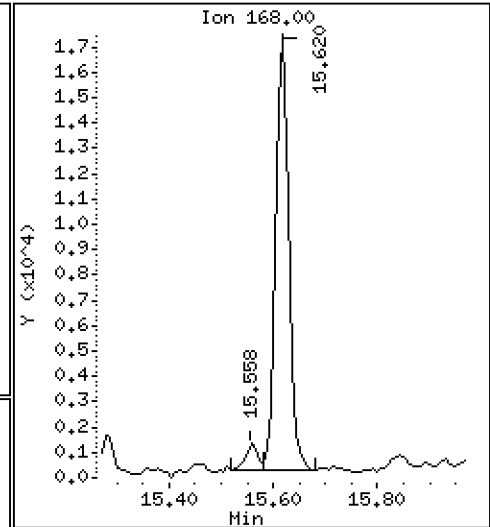
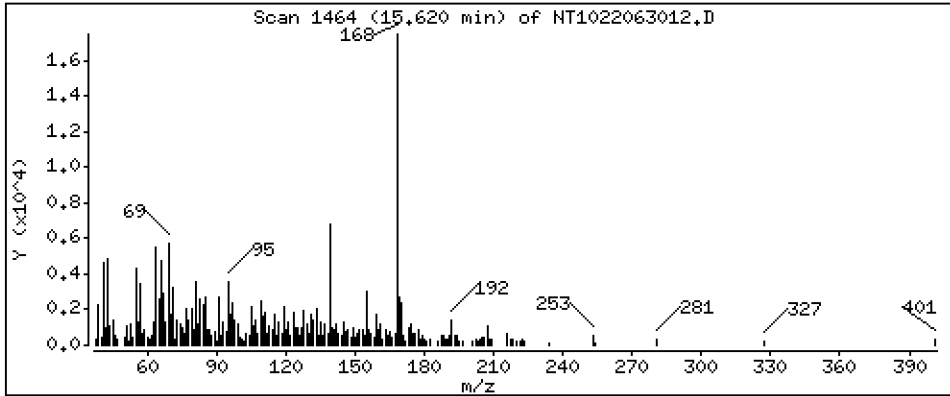
Operator: VTS

Column phase: ZB-5msi

Column diameter: 0,25

46 Dibenzofuran

Concentration: 0,1314 ug/mL



Date : 30-JUN-2022 20:41

Client ID:

Instrument: nt10.i

Sample Info: 22F0267-05

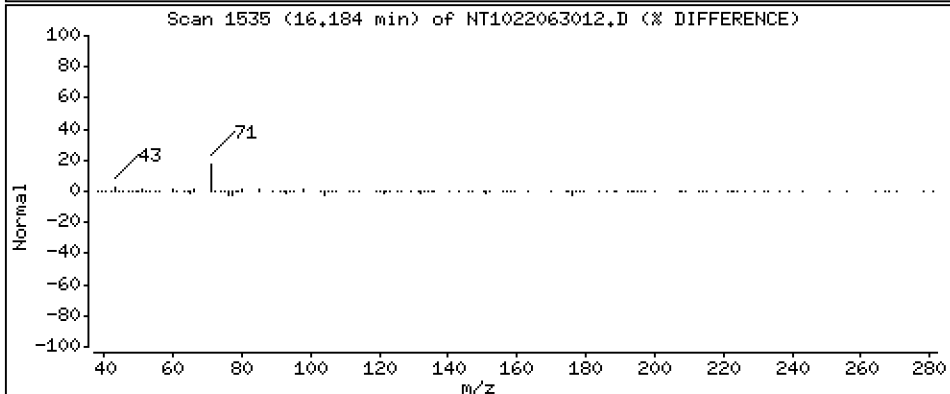
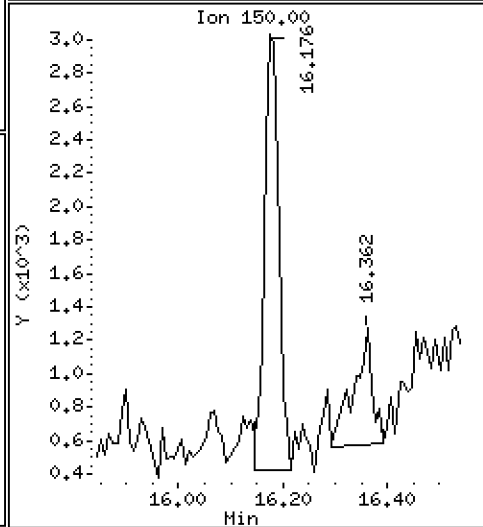
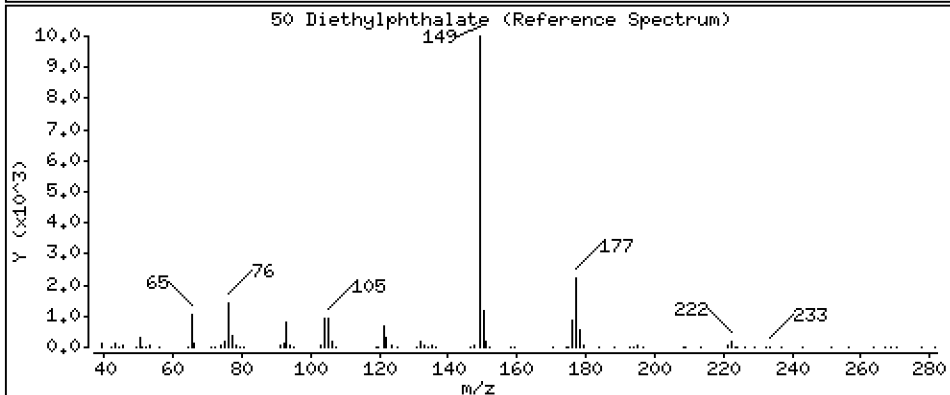
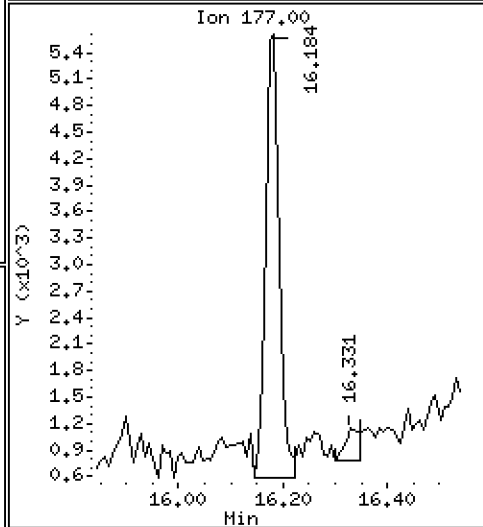
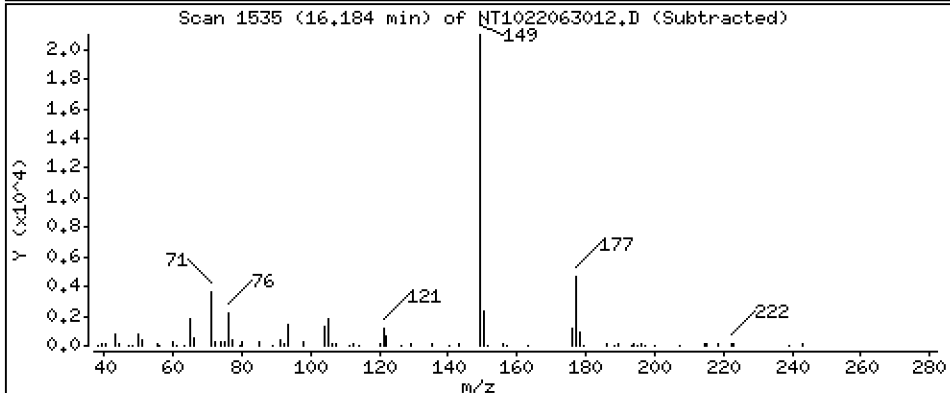
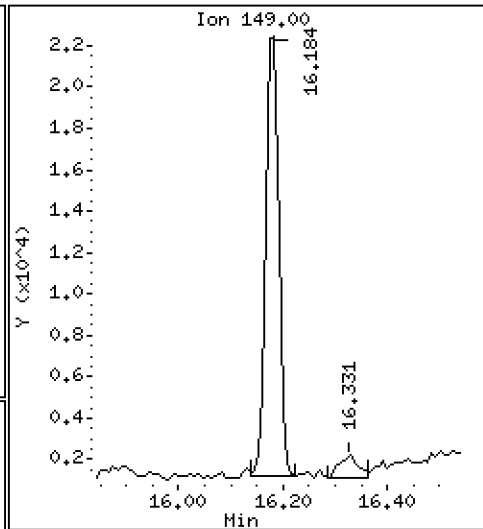
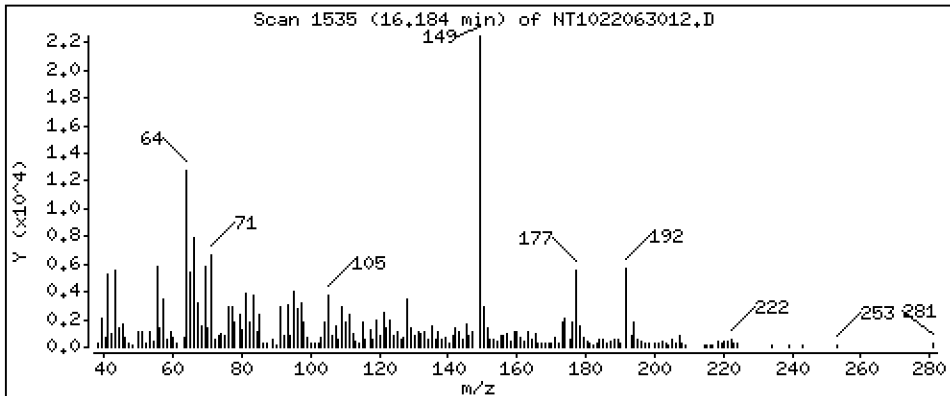
Operator: VTS

Column phase: ZB-5msi

Column diameter: 0.25

50 Diethylphthalate

Concentration: 0.2512 ug/mL



Date : 30-JUN-2022 20:41

Client ID:

Instrument: nt10.i

Sample Info: 22F0267-05

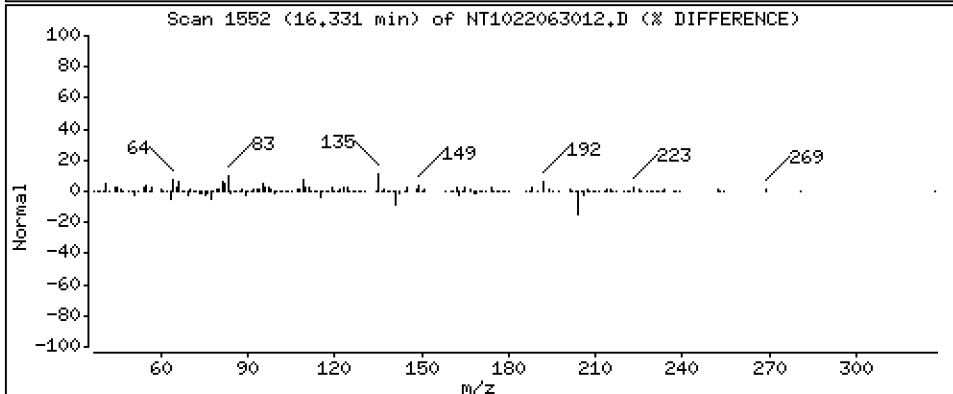
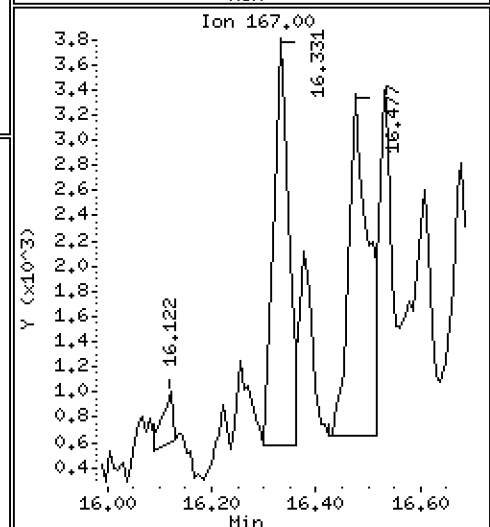
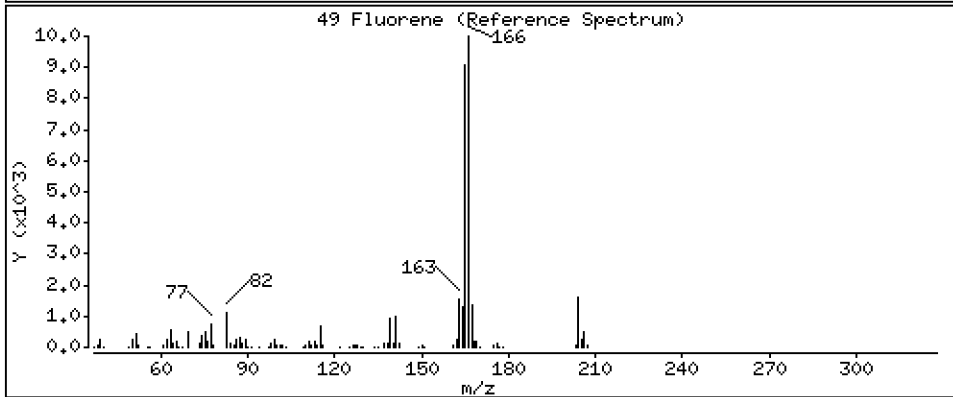
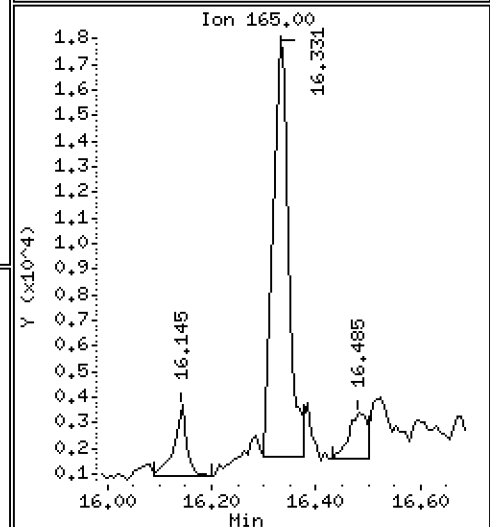
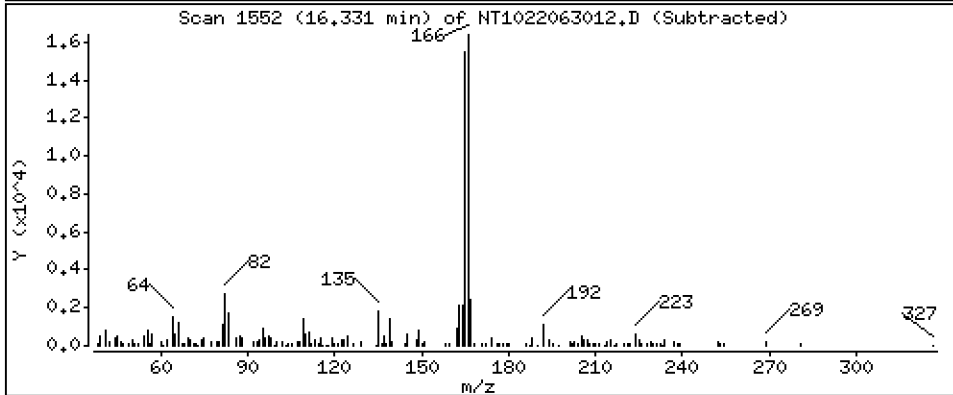
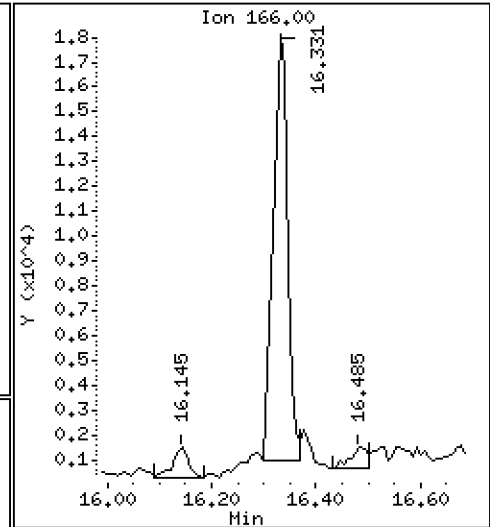
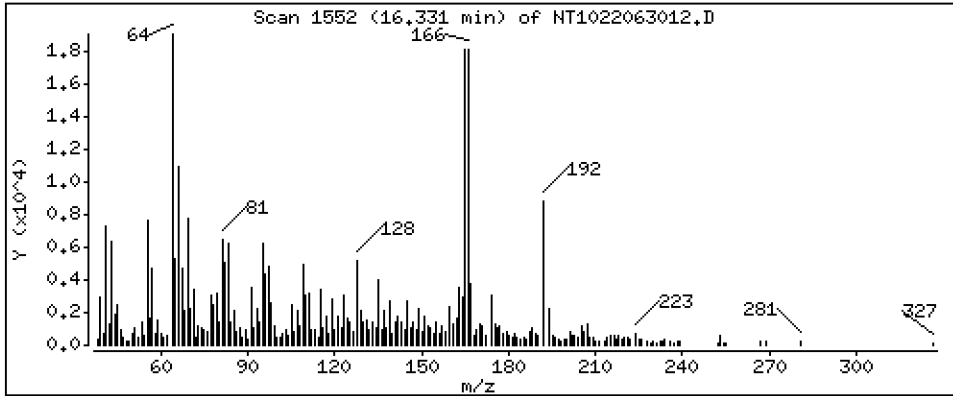
Operator: VTS

Column phase: ZB-5msi

Column diameter: 0.25

49 Fluorene

Concentration: 0.1303 ug/mL



Date : 30-JUN-2022 20:41

Client ID:

Instrument: nt10.i

Sample Info: 22F0267-05

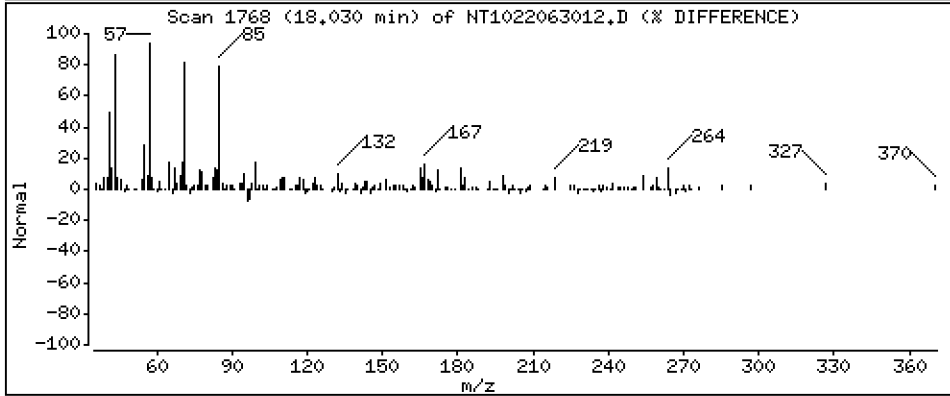
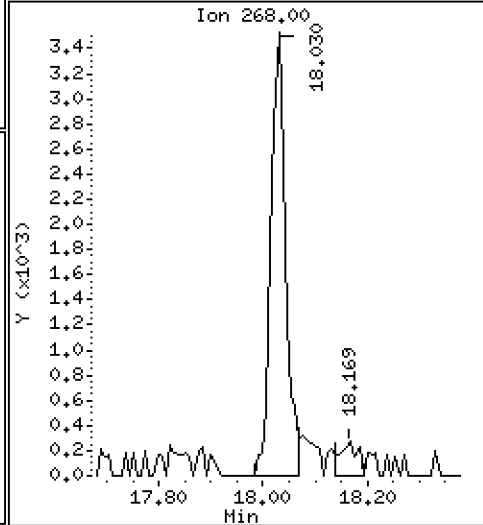
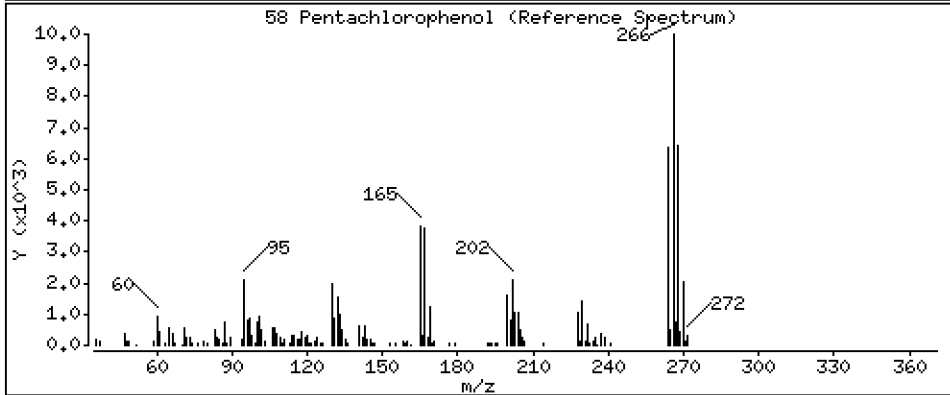
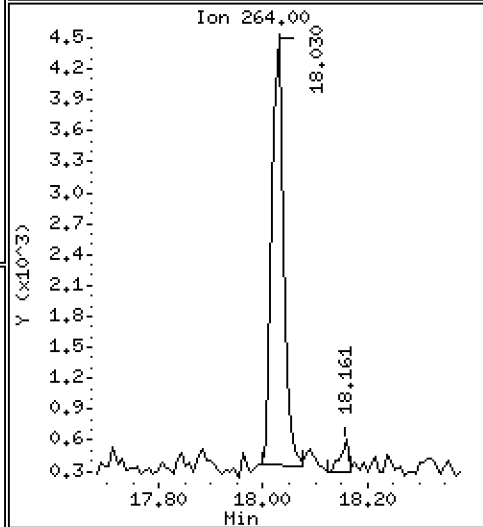
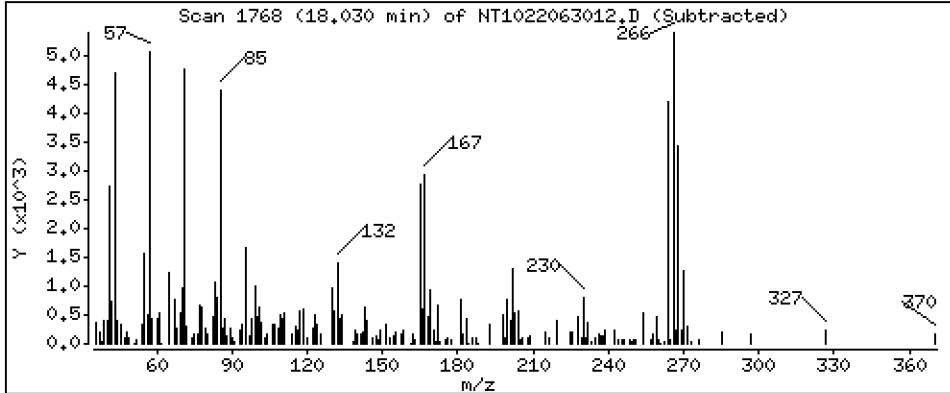
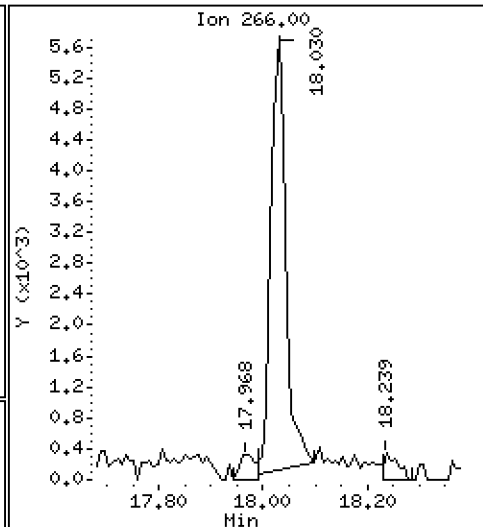
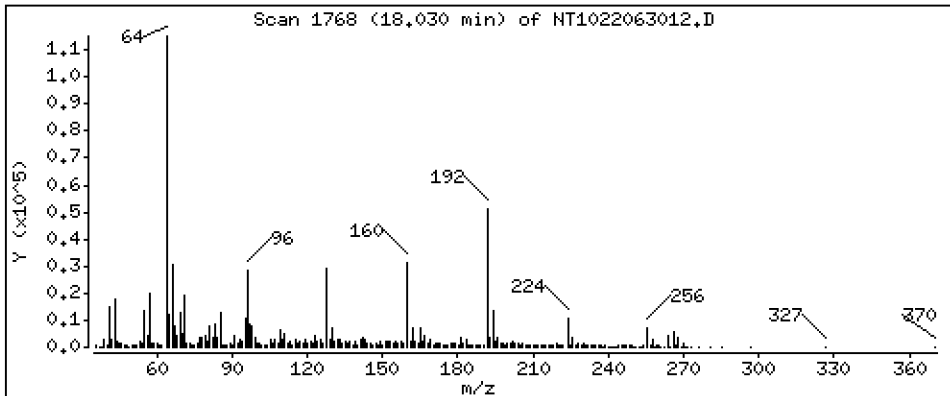
Operator: VTS

Column phase: ZB-5msi

Column diameter: 0,25

58 Pentachlorophenol

Concentration: 1,132 ug/mL



Date : 30-JUN-2022 20:41

Client ID:

Instrument: nt10.i

Sample Info: 22F0267-05

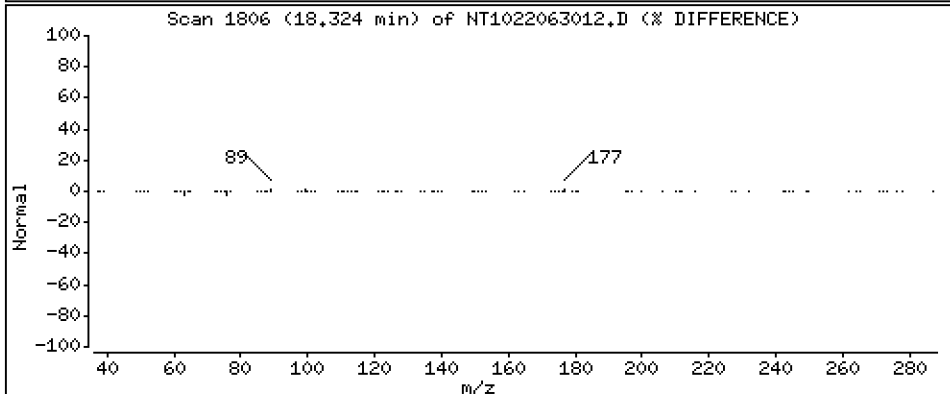
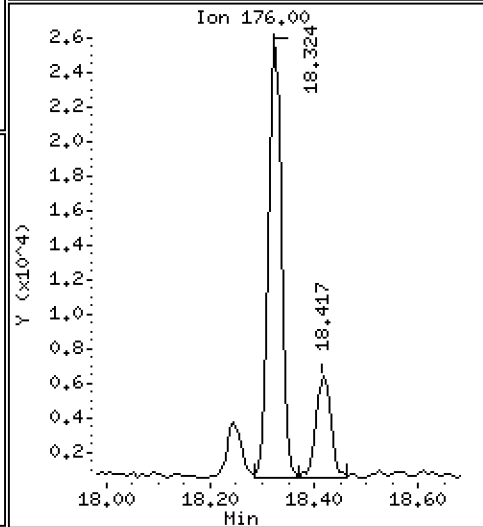
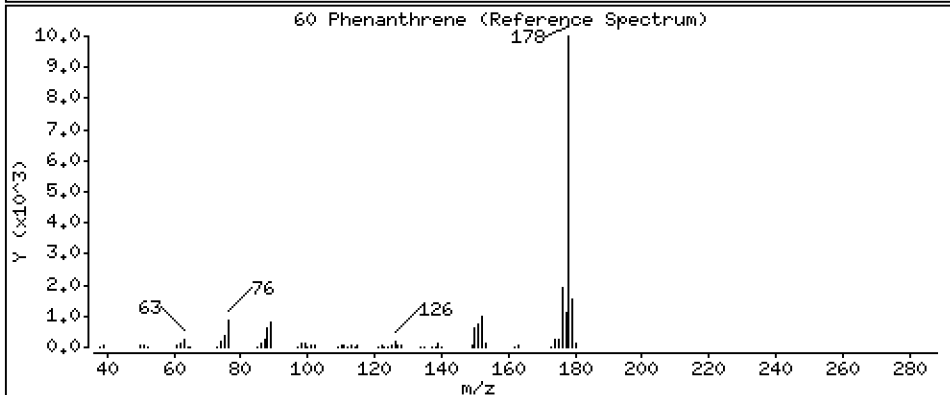
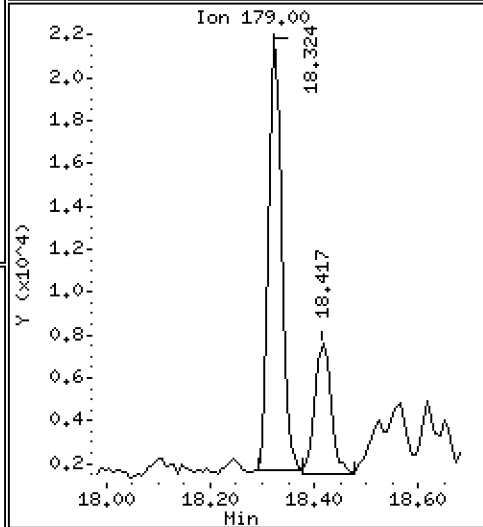
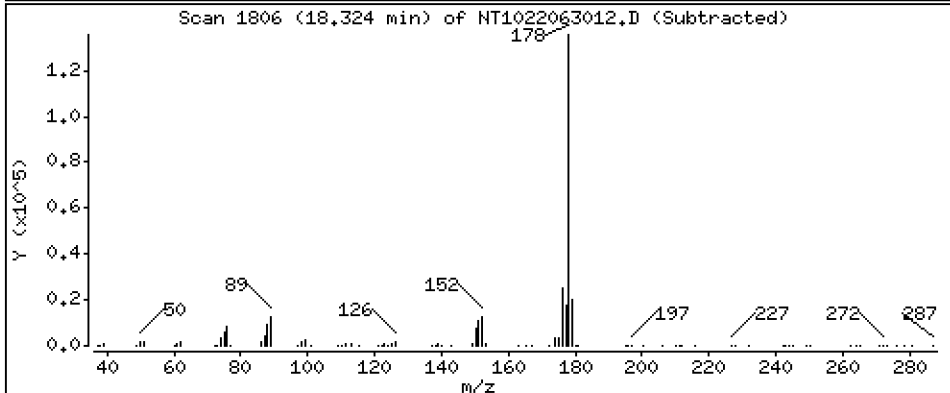
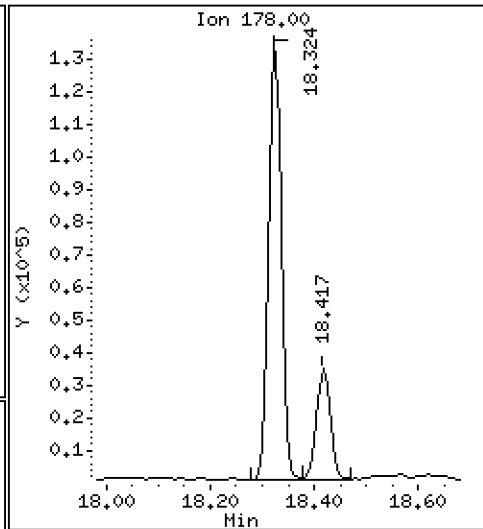
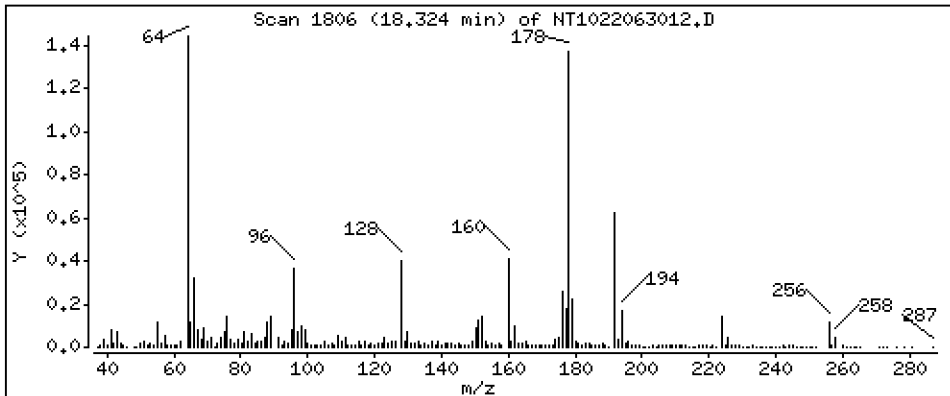
Operator: VTS

Column phase: ZB-5msi

Column diameter: 0,25

60 Phenanthrene

Concentration: 1,294 ug/mL



Date : 30-JUN-2022 20:41

Client ID:

Instrument: nt10.i

Sample Info: 22F0267-05

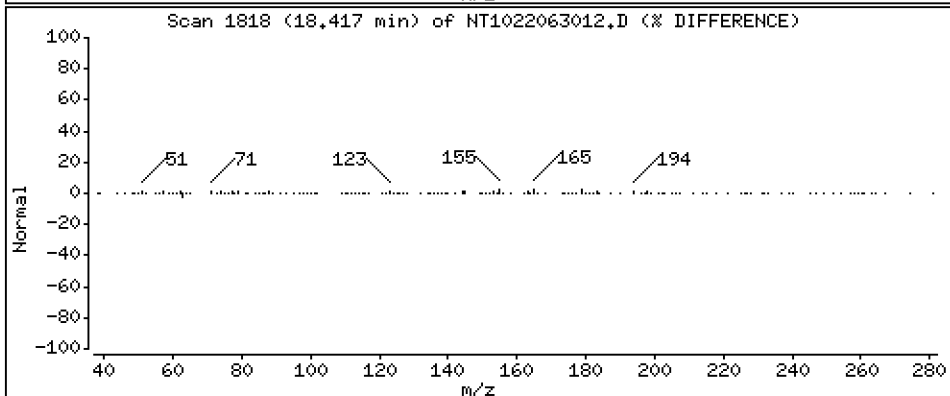
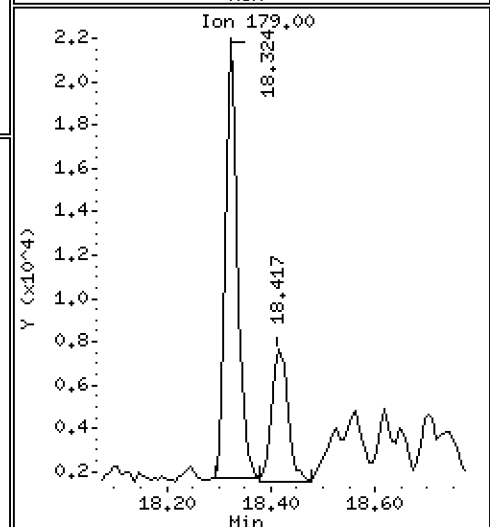
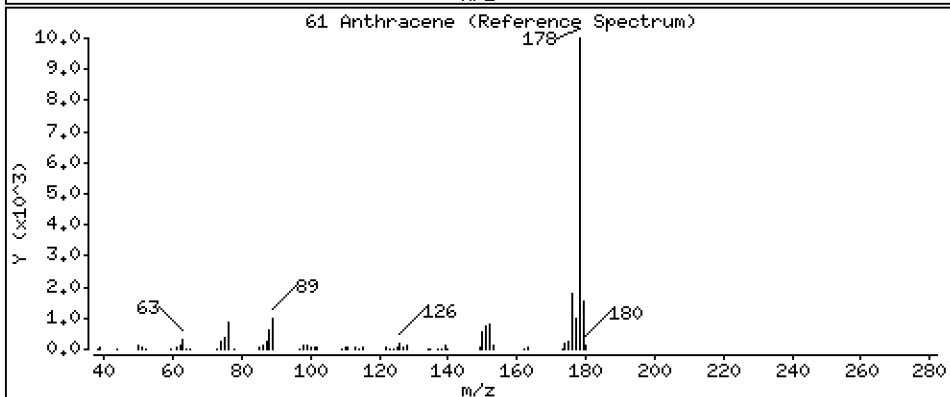
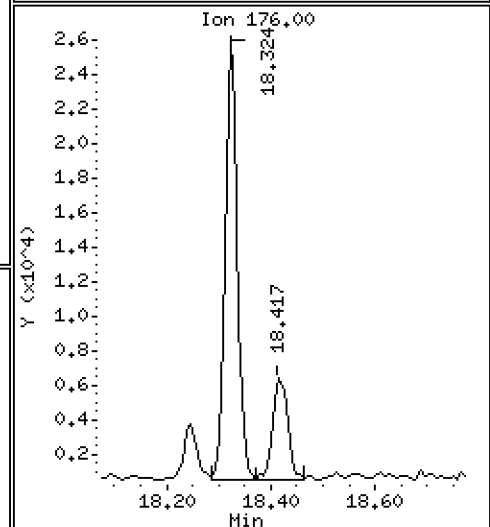
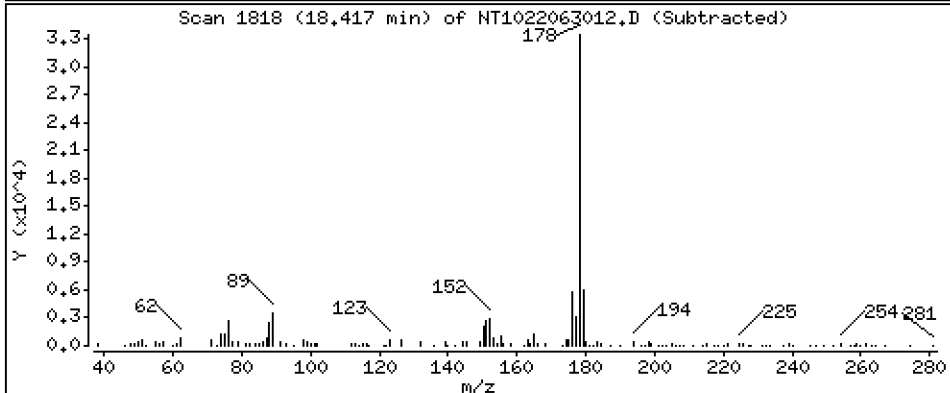
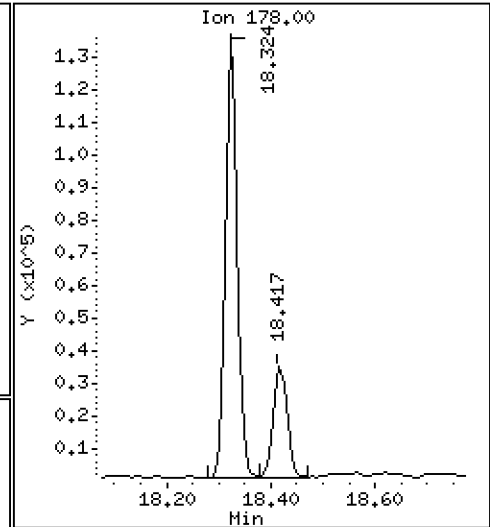
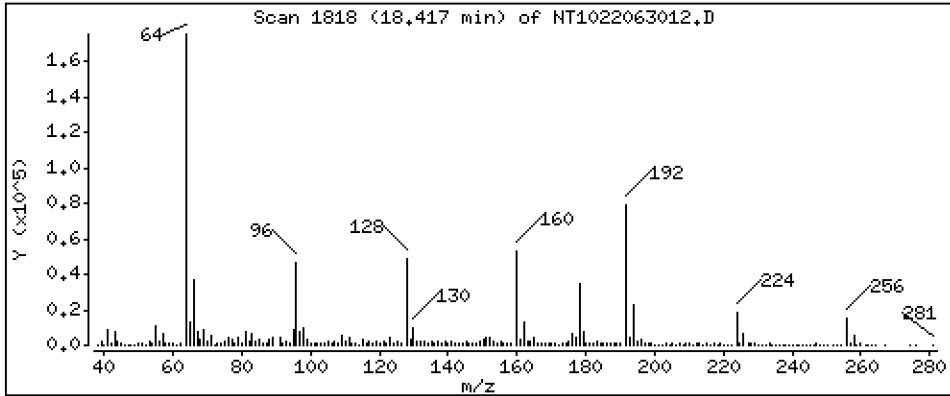
Operator: VTS

Column phase: ZB-5msi

Column diameter: 0,25

61 Anthracene

Concentration: 0,3365 ug/mL



Date : 30-JUN-2022 20:41

Client ID:

Instrument: nt10.i

Sample Info: 22F0267-05

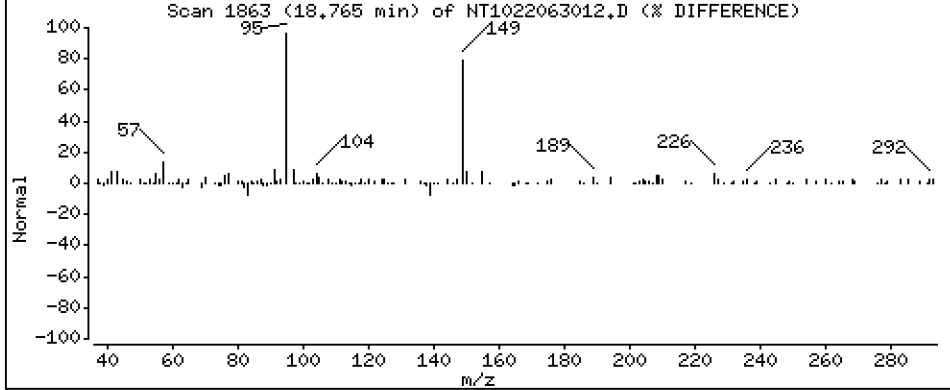
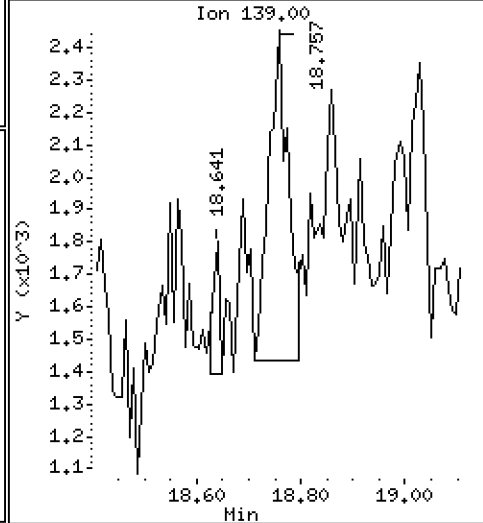
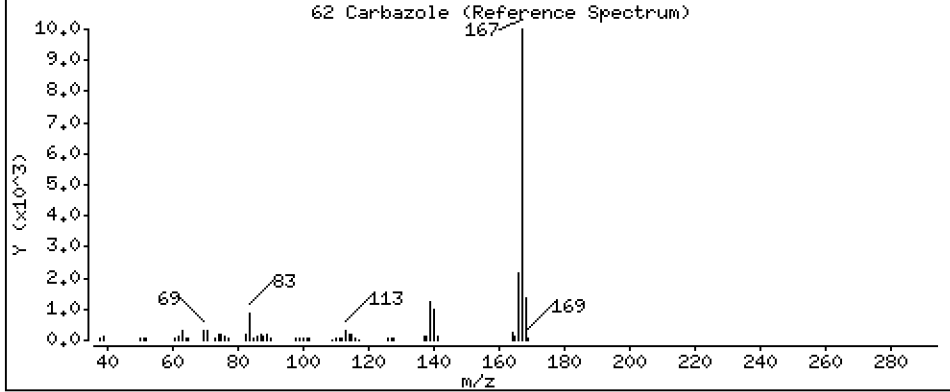
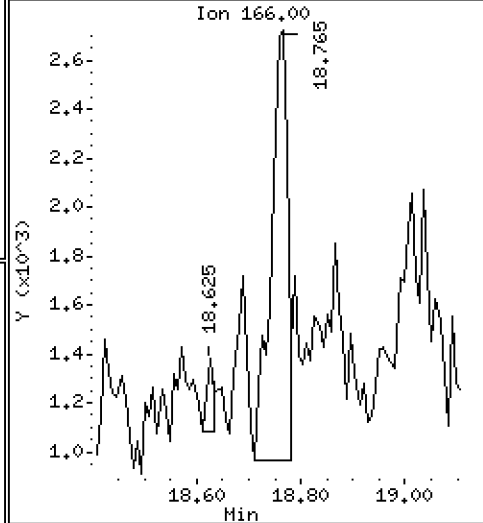
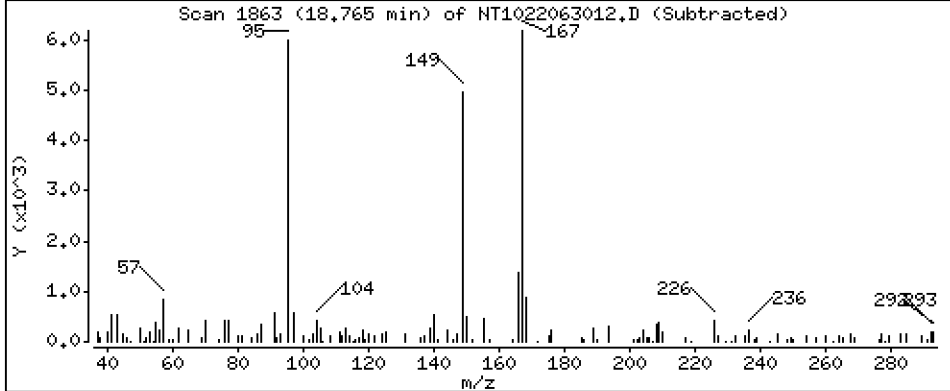
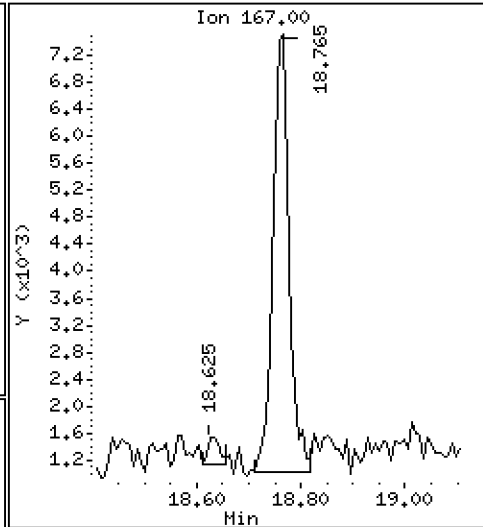
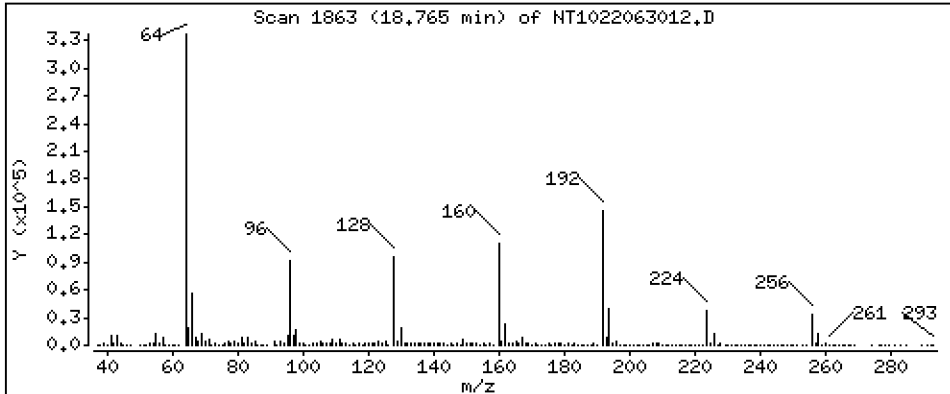
Operator: VTS

Column phase: ZB-5msi

Column diameter: 0.25

62 Carbazole

Concentration: 0.08397 ug/mL



Date : 30-JUN-2022 20:41

Client ID:

Instrument: nt10.i

Sample Info: 22F0267-05

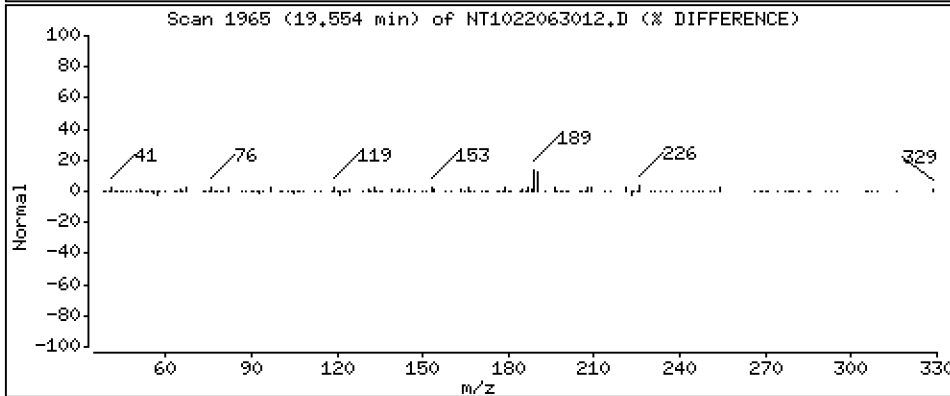
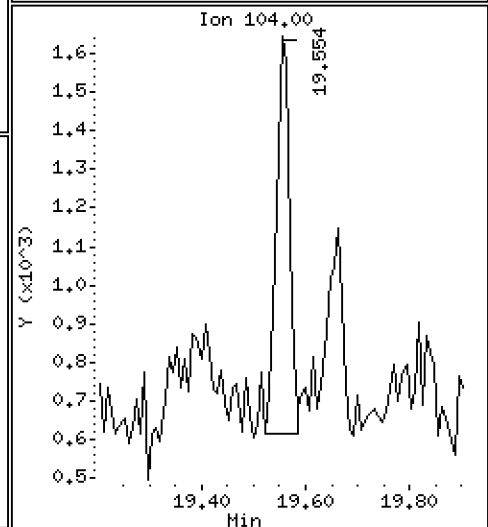
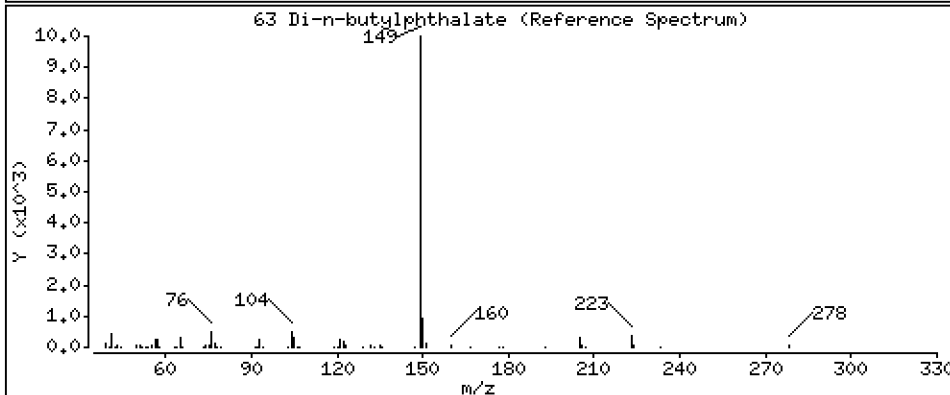
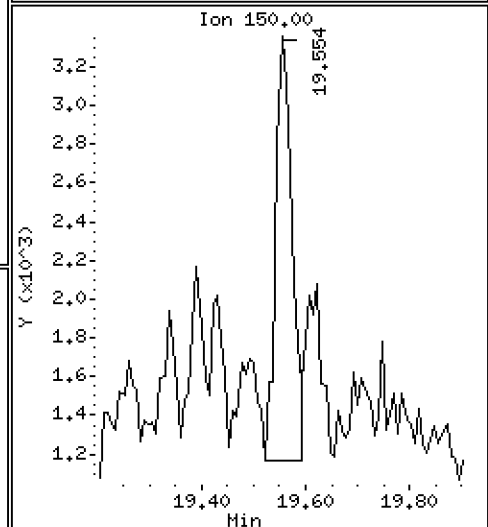
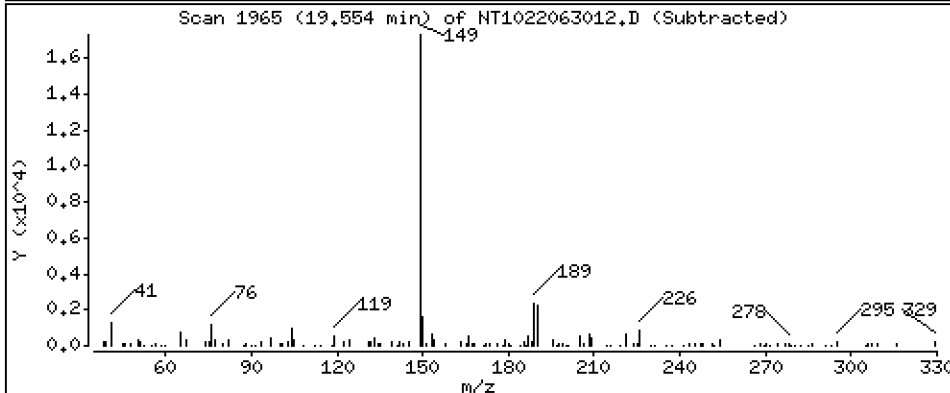
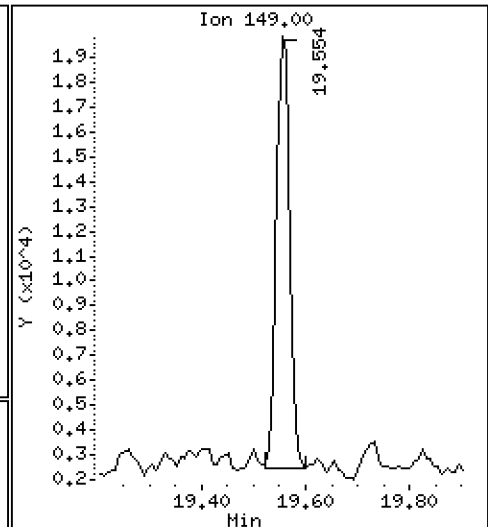
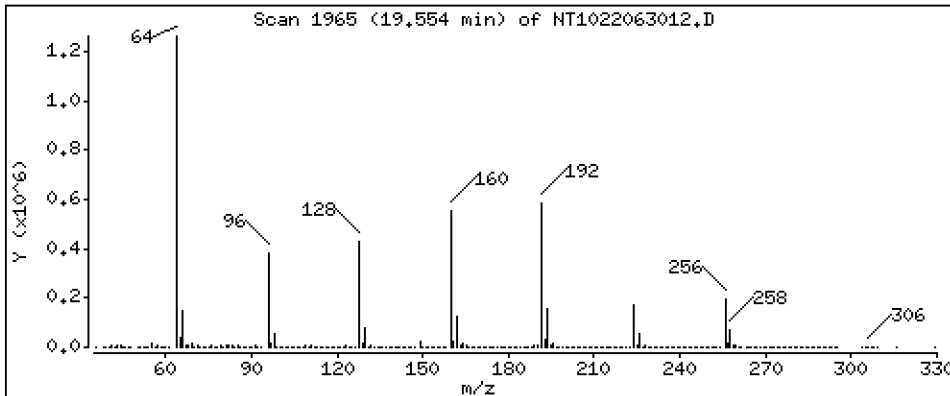
Operator: VTS

Column phase: ZB-5msi

Column diameter: 0.25

63 Di-n-butylphthalate

Concentration: 0.1216 ug/mL



Date : 30-JUN-2022 20:41

Client ID:

Instrument: nt10.i

Sample Info: 22F0267-05

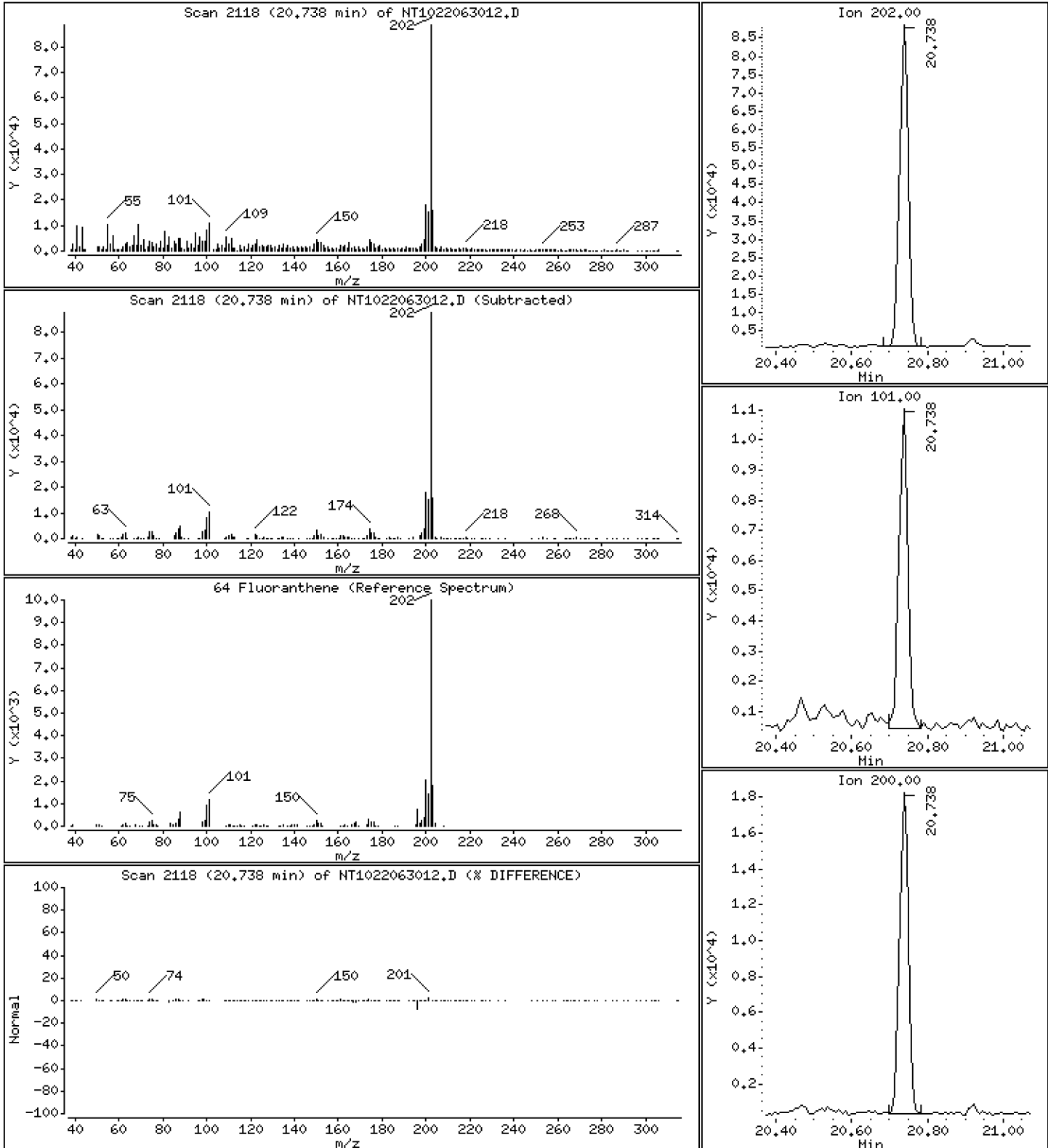
Operator: VTS

Column phase: ZB-5msi

Column diameter: 0,25

64 Fluoranthene

Concentration: 1,611 ug/mL



Date : 30-JUN-2022 20:41

Client ID:

Instrument: nt10.i

Sample Info: 22F0267-05

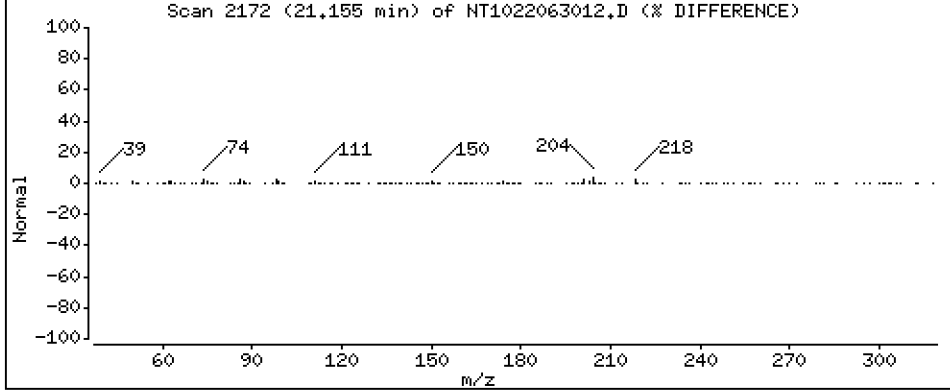
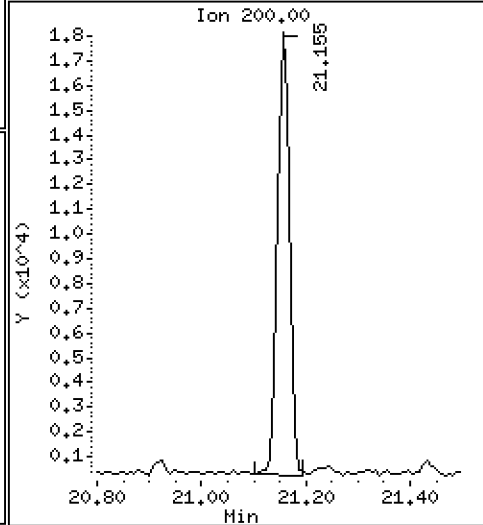
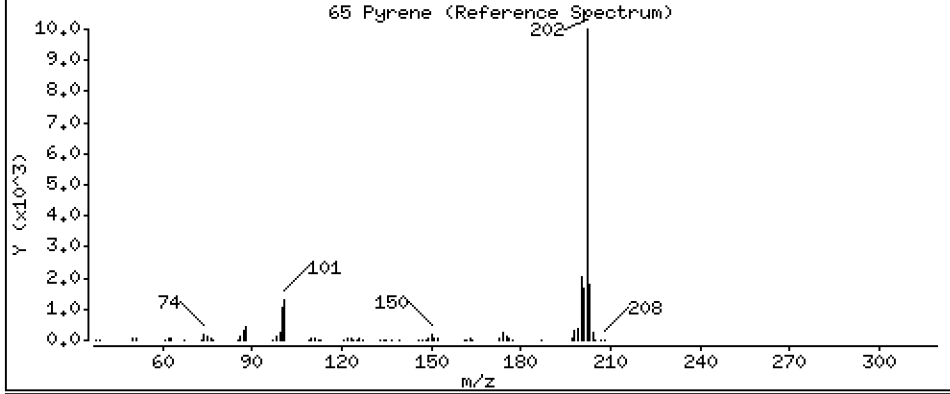
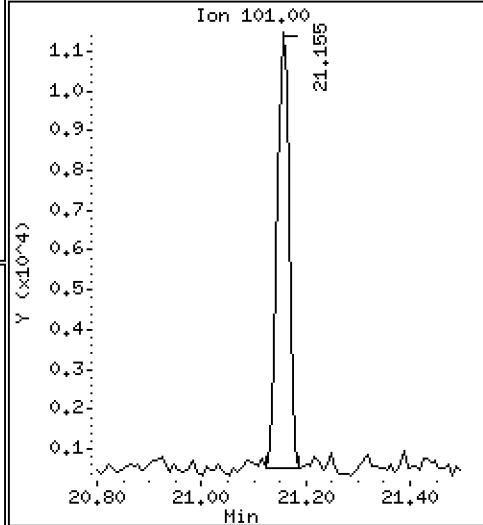
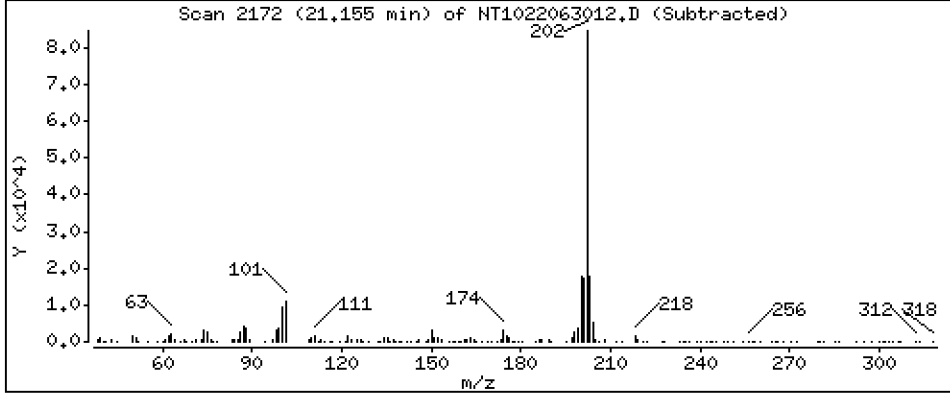
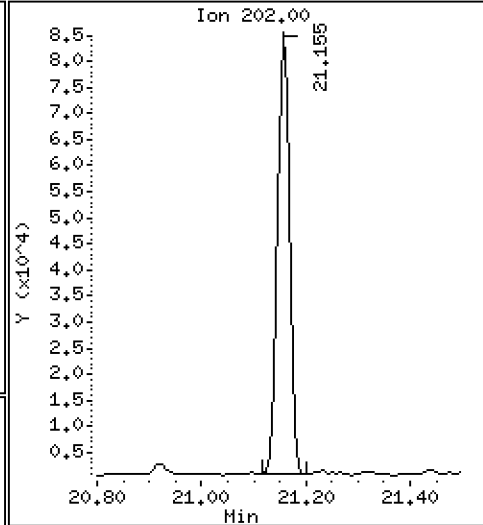
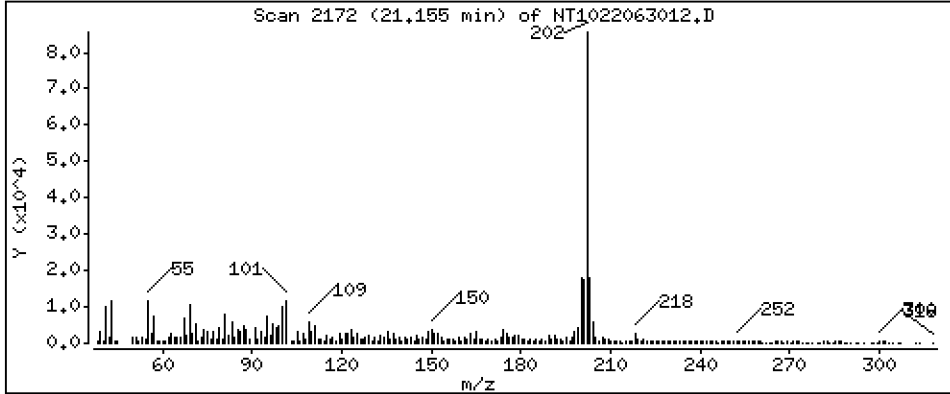
Operator: VTS

Column phase: ZB-5msi

Column diameter: 0,25

65 Pyrene

Concentration: 1,710 ug/mL



Date : 30-JUN-2022 20:41

Client ID:

Instrument: nt10.i

Sample Info: 22F0267-05

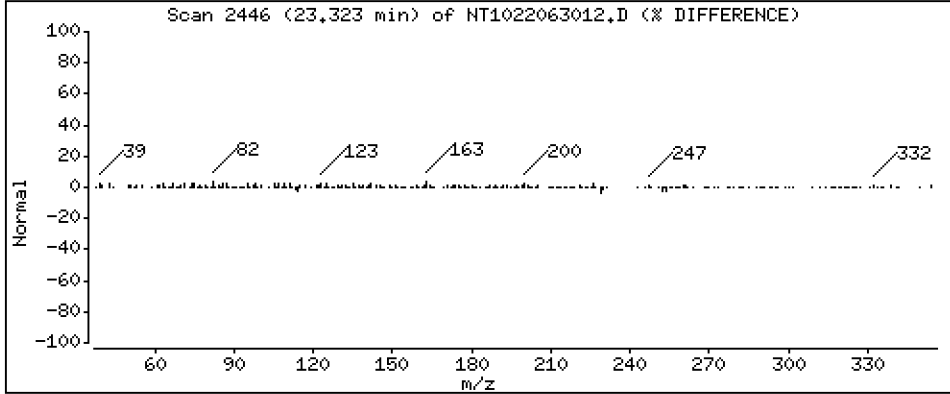
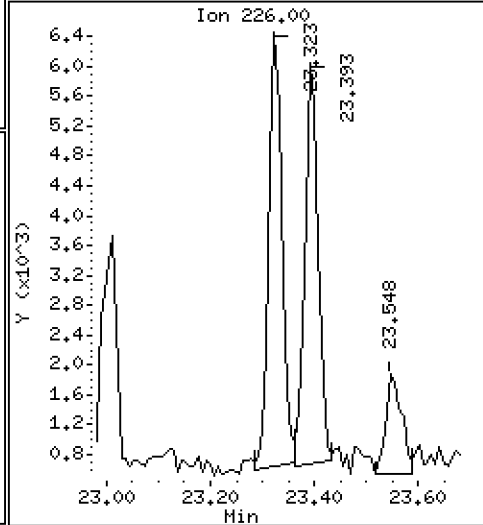
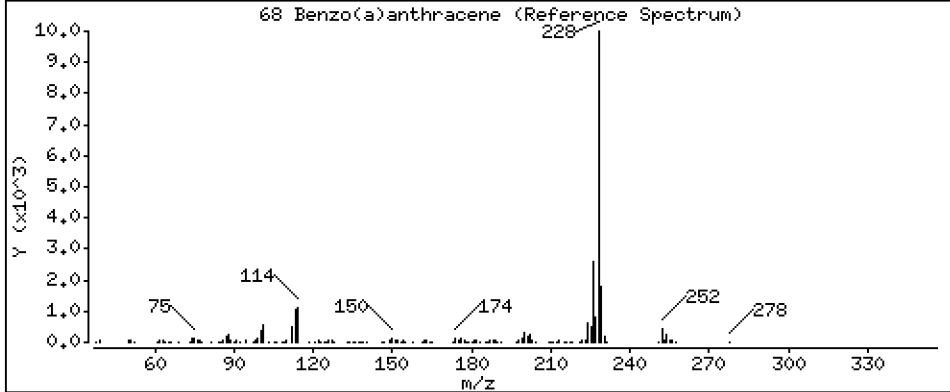
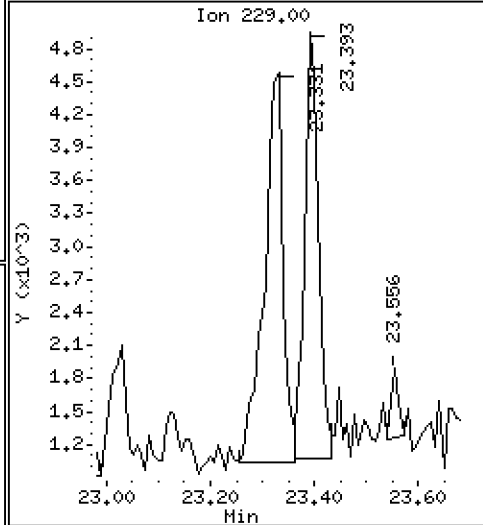
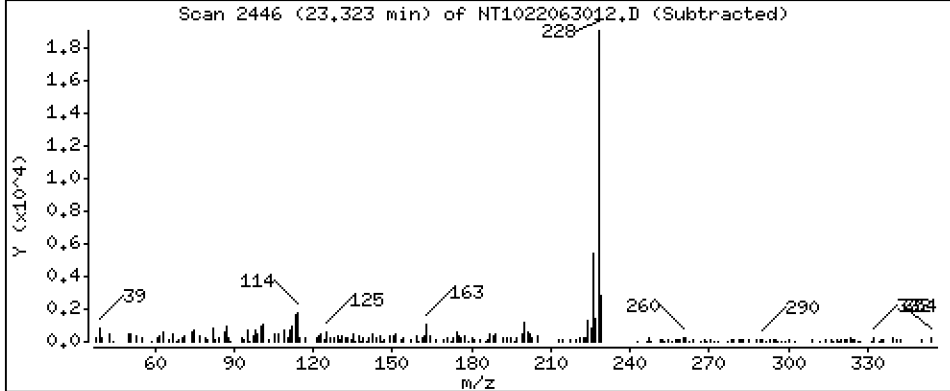
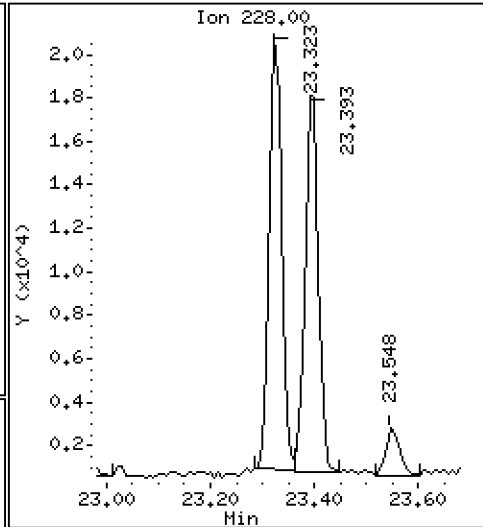
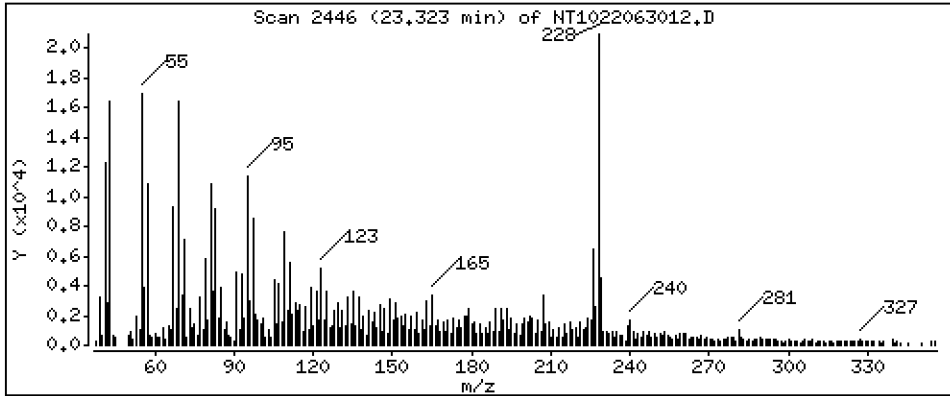
Operator: VTS

Column phase: ZB-5msi

Column diameter: 0,25

68 Benzo(a)anthracene

Concentration: 0,6073 ug/mL



Date : 30-JUN-2022 20:41

Client ID:

Instrument: nt10.i

Sample Info: 22F0267-05

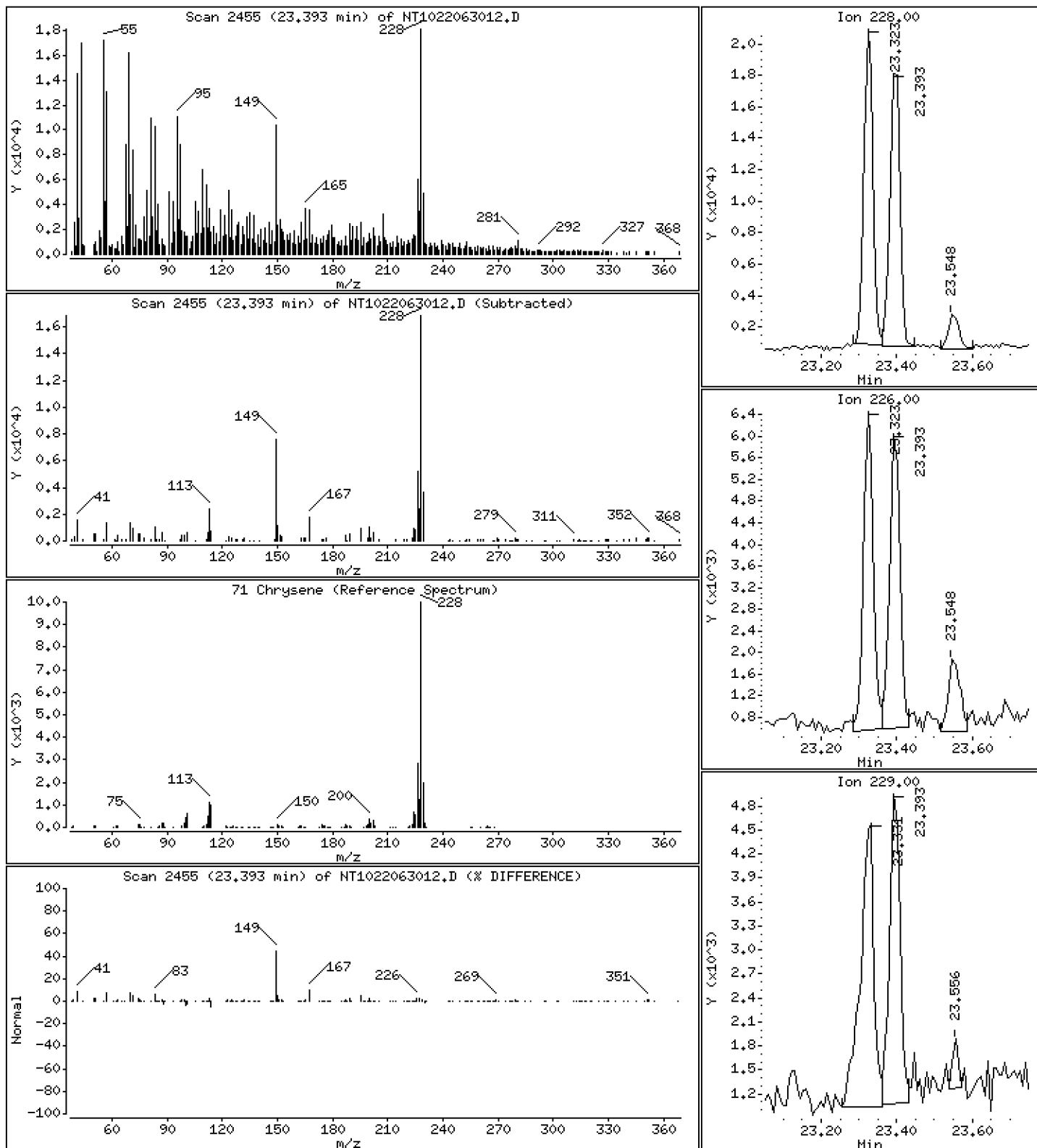
Operator: VTS

Column phase: ZB-5msi

Column diameter: 0,25

71 Chrysene

Concentration: 0,9041 ug/mL



Date : 30-JUN-2022 20:41

Client ID:

Instrument: nt10.i

Sample Info: 22F0267-05

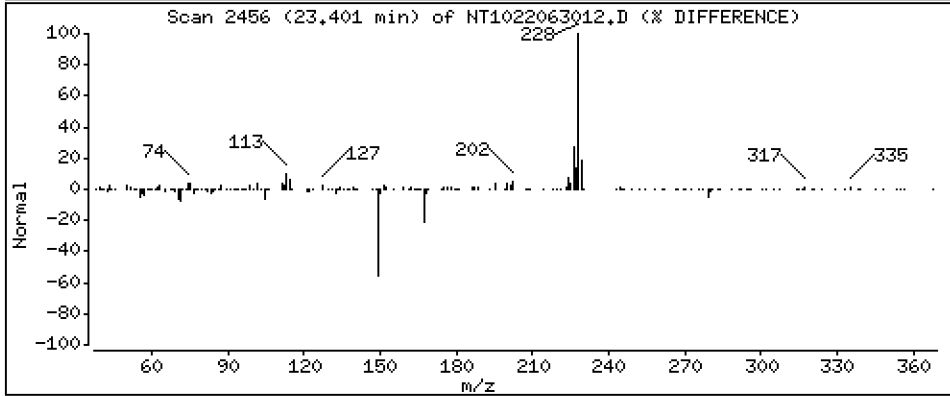
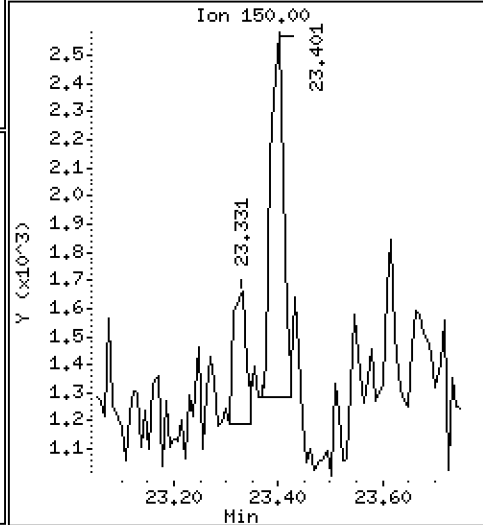
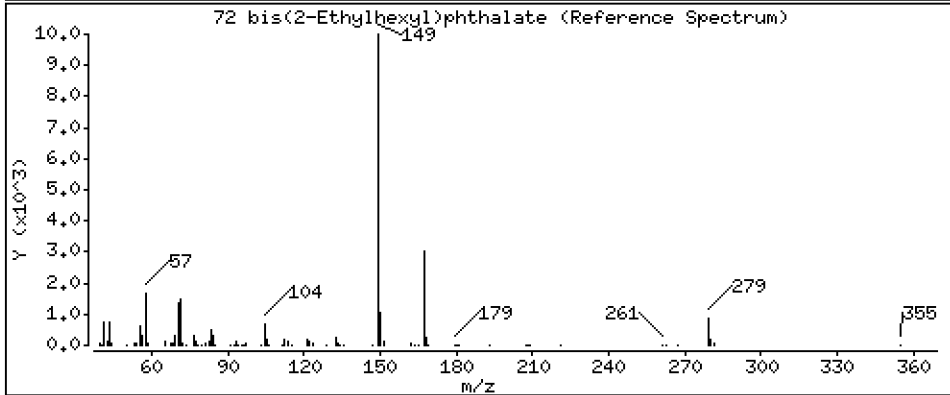
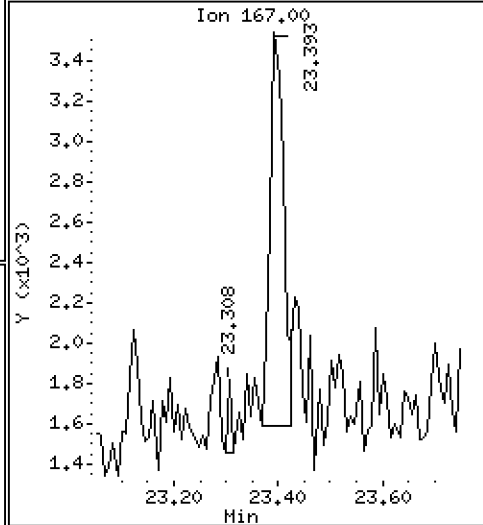
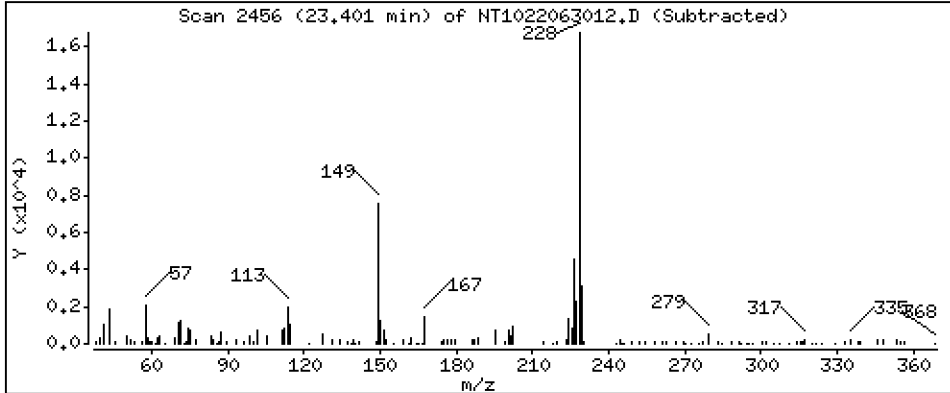
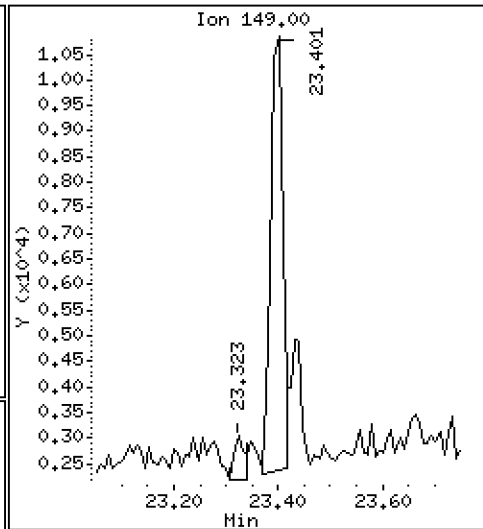
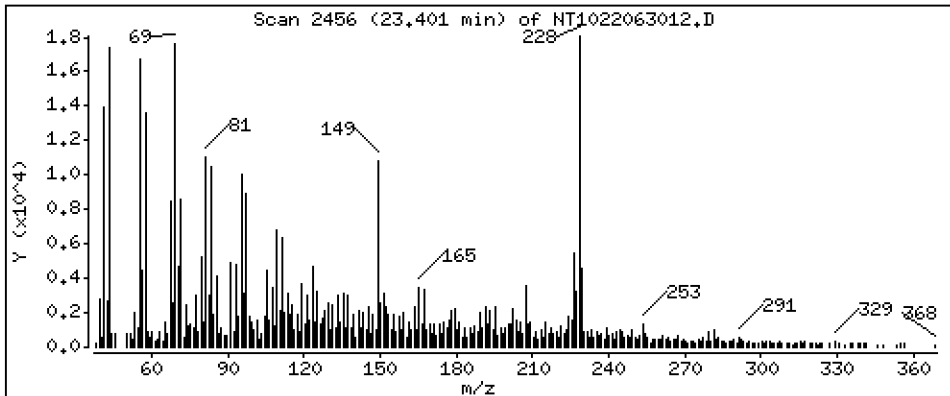
Operator: VTS

Column phase: ZB-5msi

Column diameter: 0,25

72 bis(2-Ethylhexyl)phthalate

Concentration: 0,4537 ug/mL



Date : 30-JUN-2022 20:41

Client ID:

Instrument: nt10.i

Sample Info: 22F0267-05

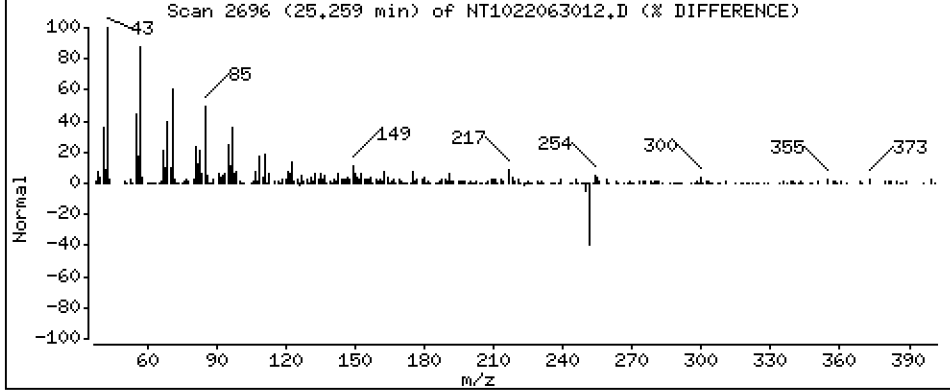
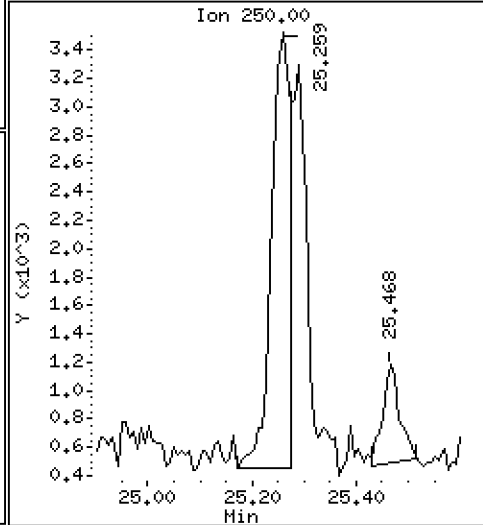
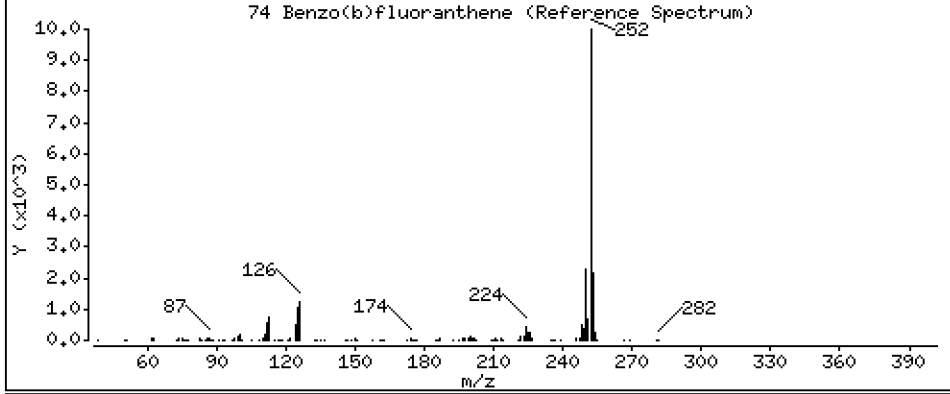
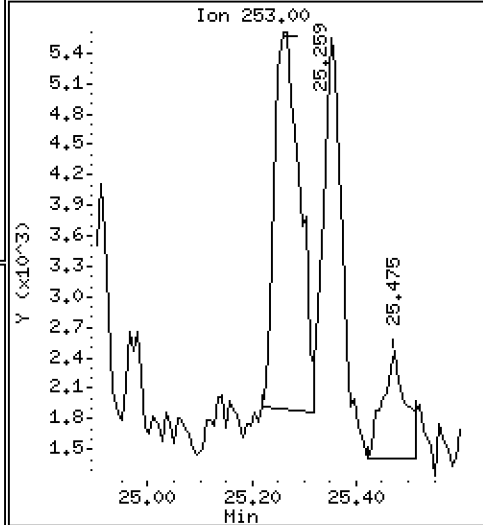
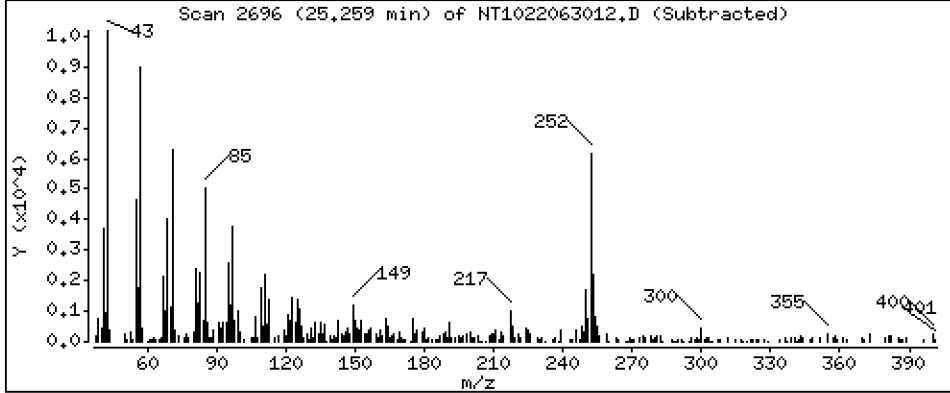
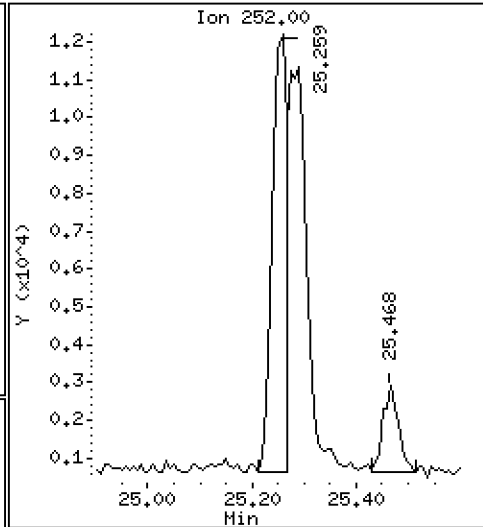
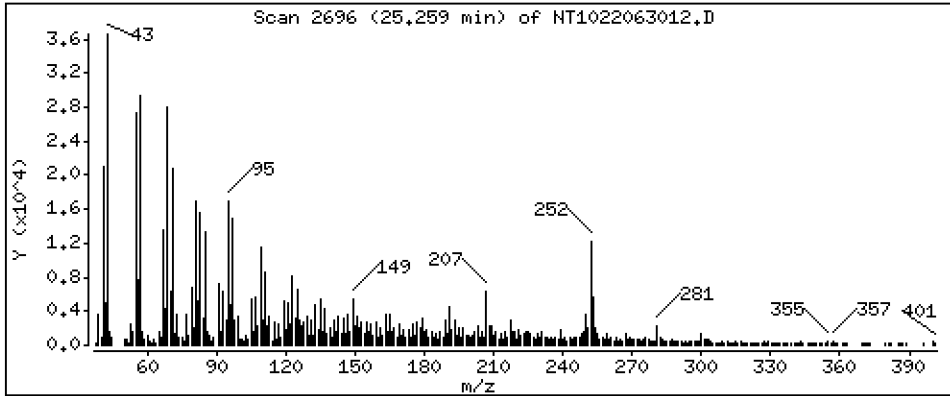
Operator: VTS

Column phase: ZB-5msi

Column diameter: 0,25

74 Benzo(b)fluoranthene

Concentration: 0,4886 ug/mL



Date : 30-JUN-2022 20:41

Client ID:

Instrument: nt10.i

Sample Info: 22F0267-05

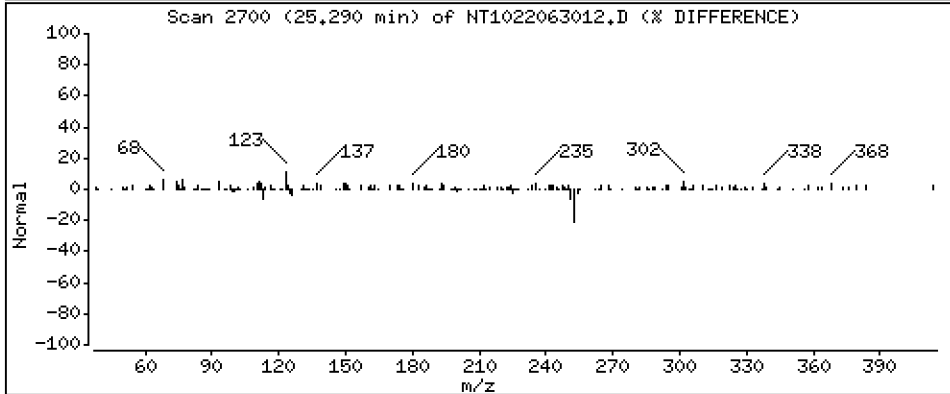
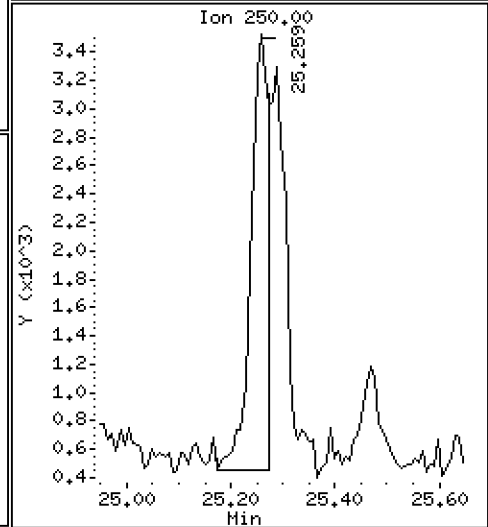
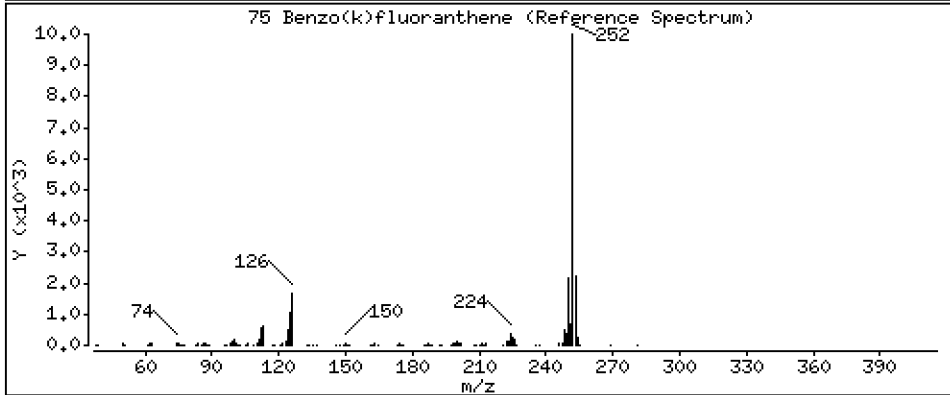
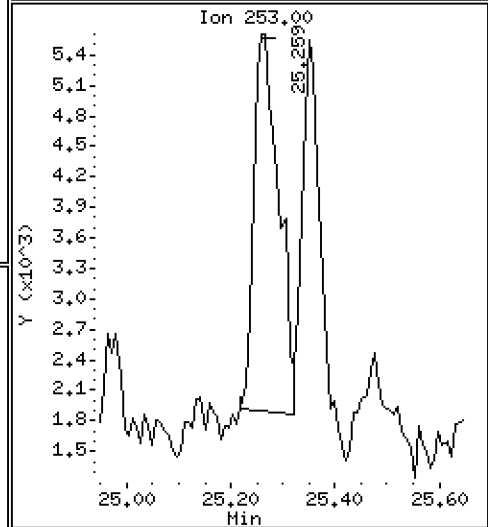
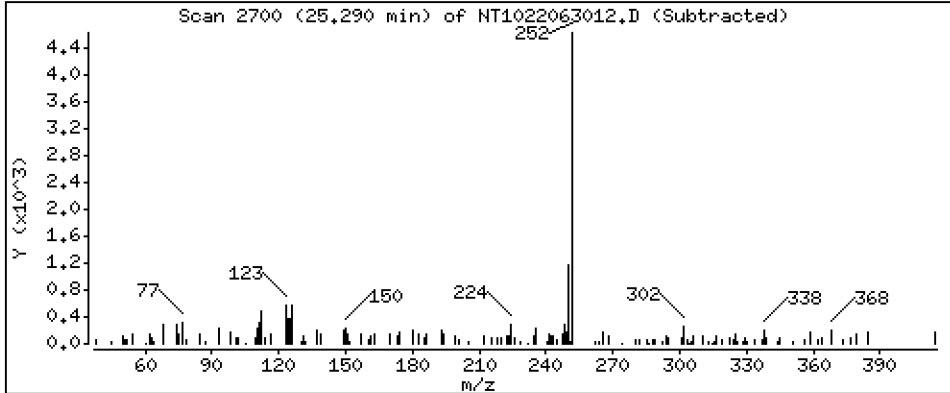
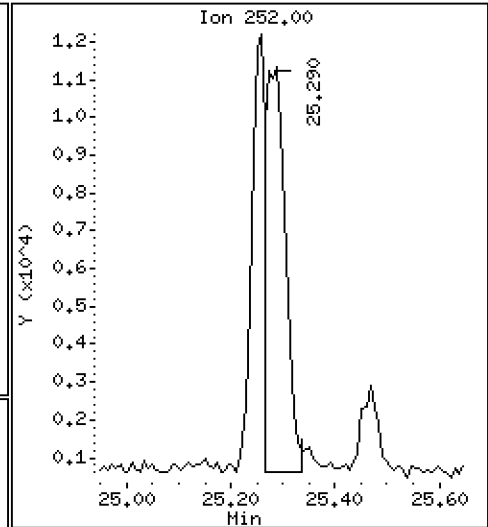
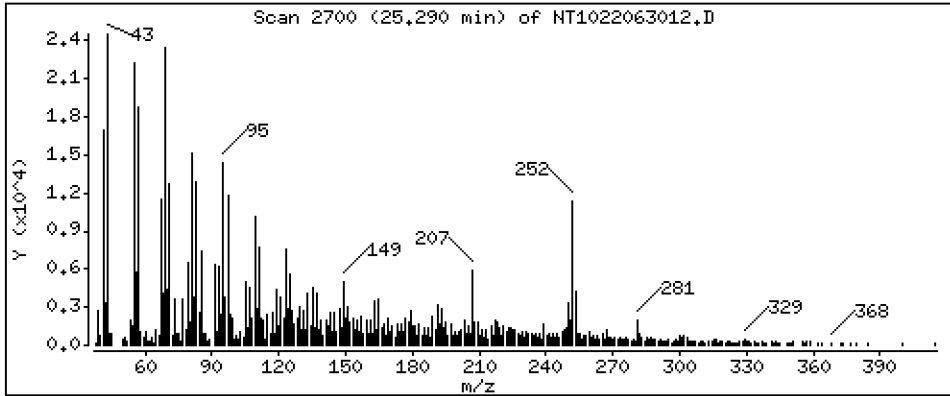
Operator: VTS

Column phase: ZB-5msi

Column diameter: 0,25

75 Benzo(k)fluoranthene

Concentration: 0,6737 ug/mL



Date : 30-JUN-2022 20:41

Client ID:

Instrument: nt10.i

Sample Info: 22F0267-05

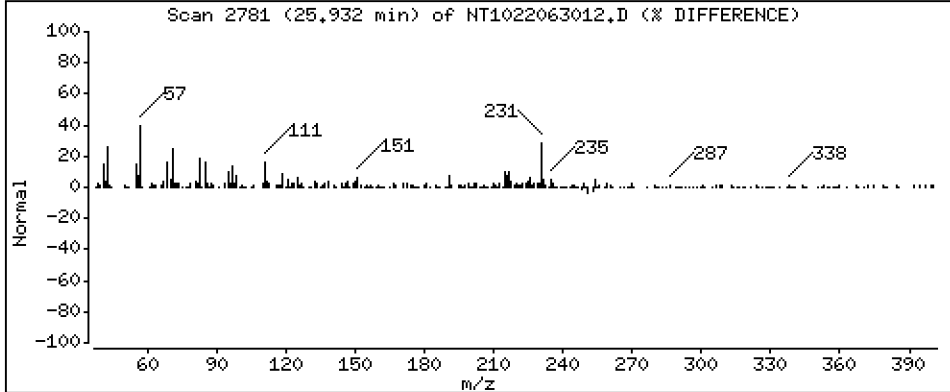
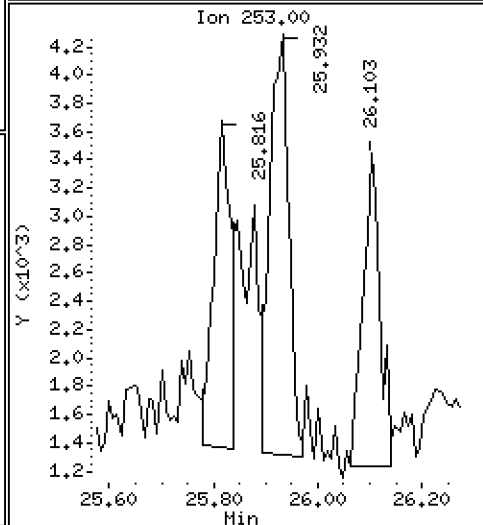
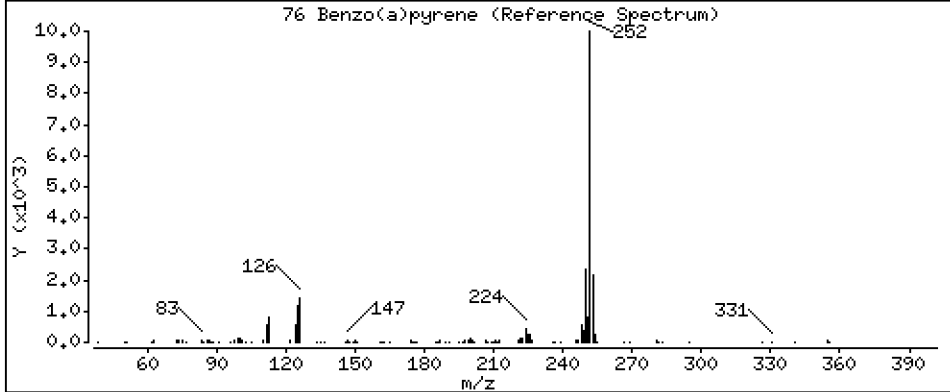
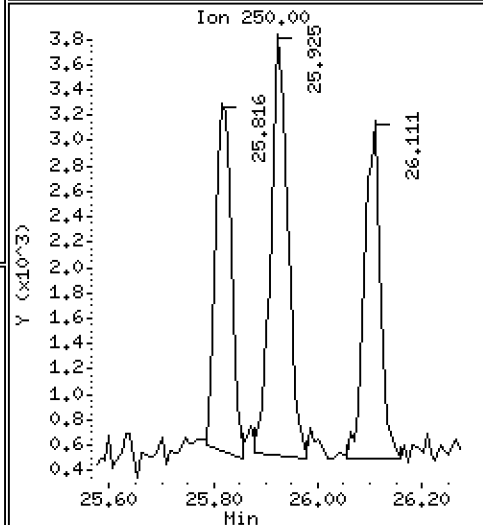
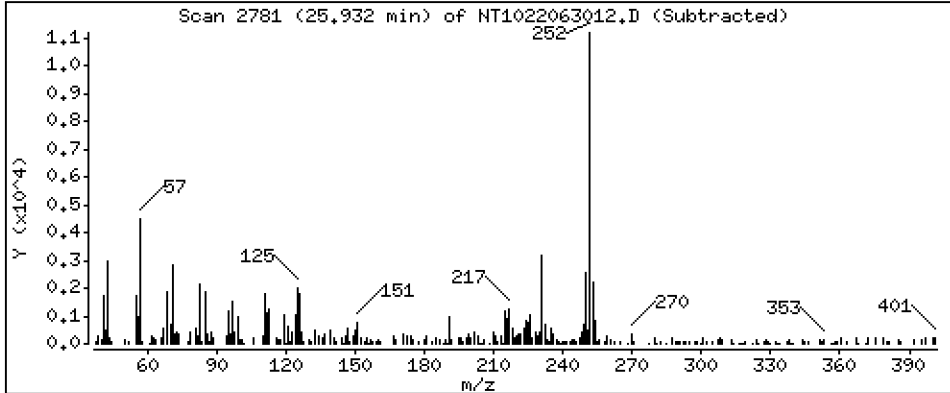
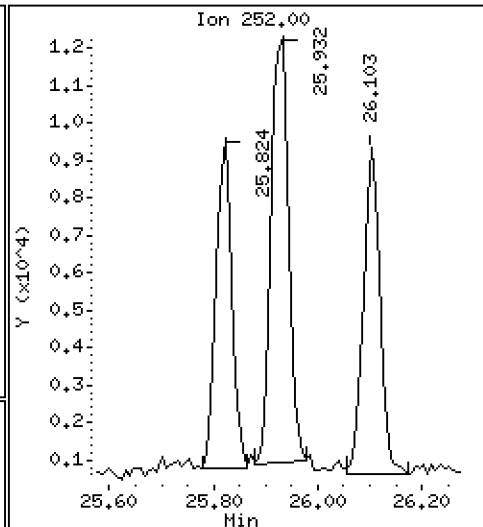
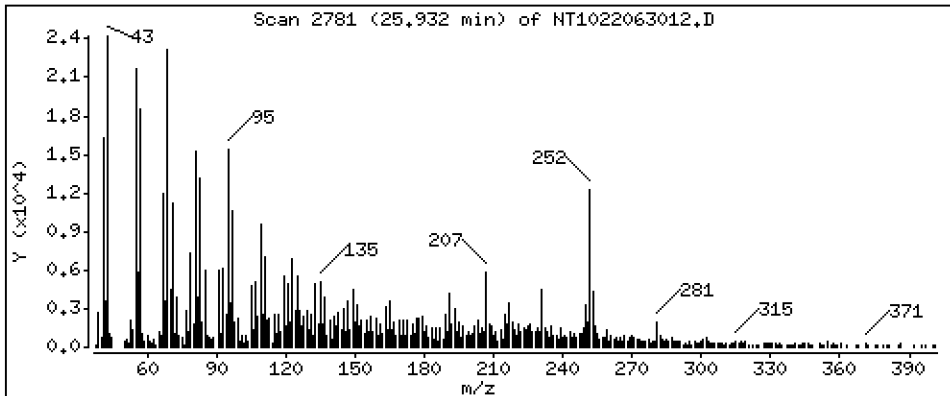
Operator: VTS

Column phase: ZB-5msi

Column diameter: 0,25

76 Benzo(a)pyrene

Concentration: 0,7026 ug/mL



Date : 30-JUN-2022 20:41

Client ID:

Instrument: nt10.i

Sample Info: 22F0267-05

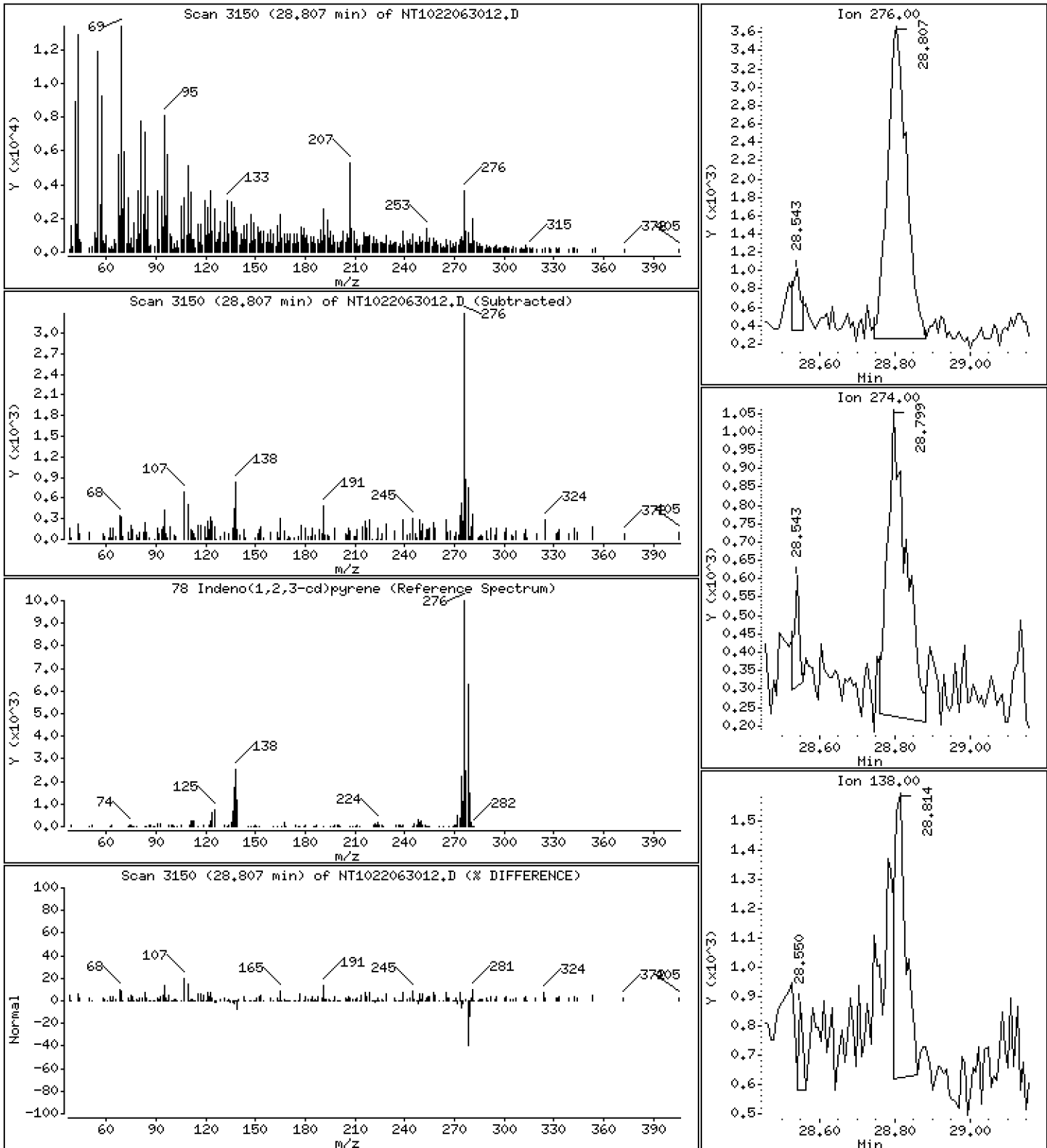
Operator: VTS

Column phase: ZB-5msi

Column diameter: 0.25

78 Indeno(1,2,3-cd)pyrene

Concentration: 0.3030 ug/mL



Date : 30-JUN-2022 20:41

Client ID:

Instrument: nt10.i

Sample Info: 22F0267-05

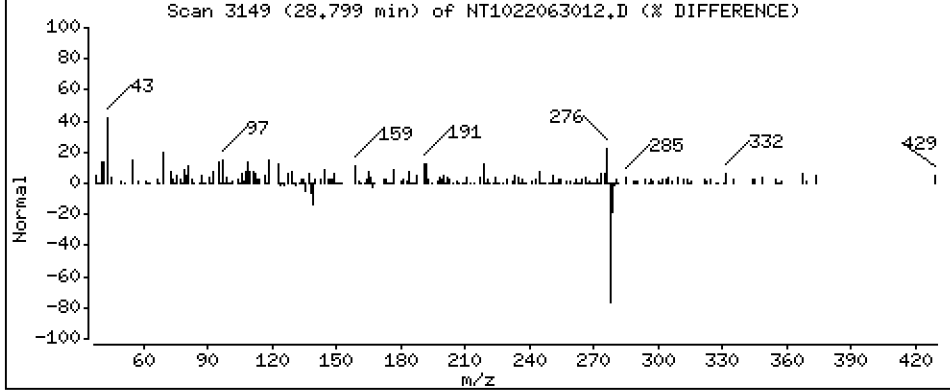
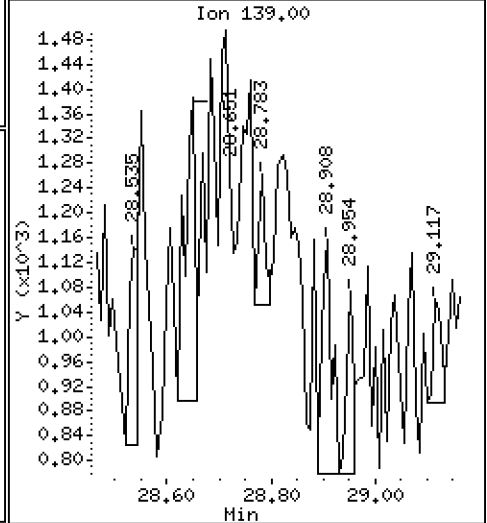
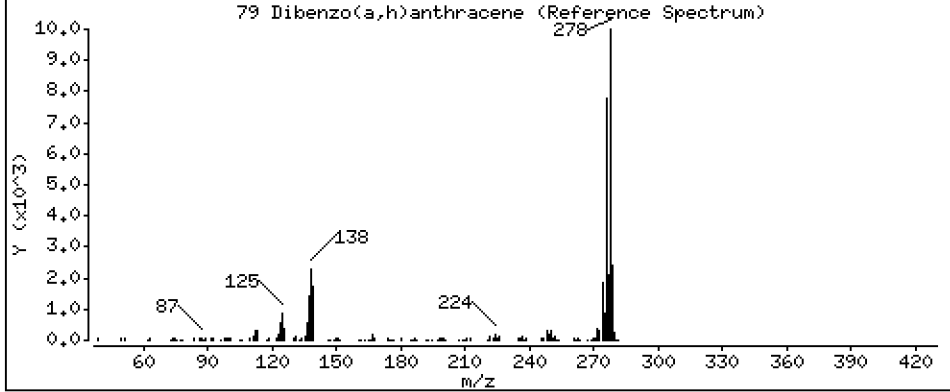
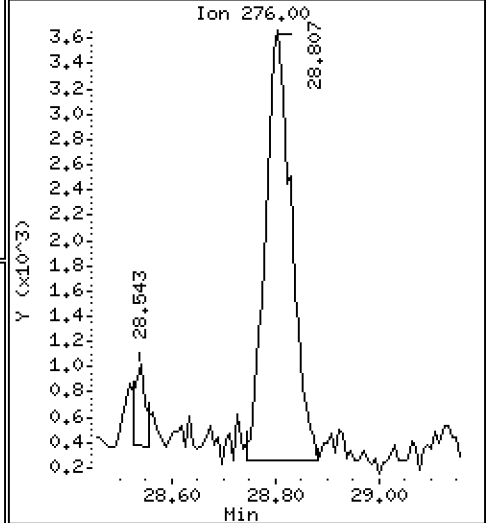
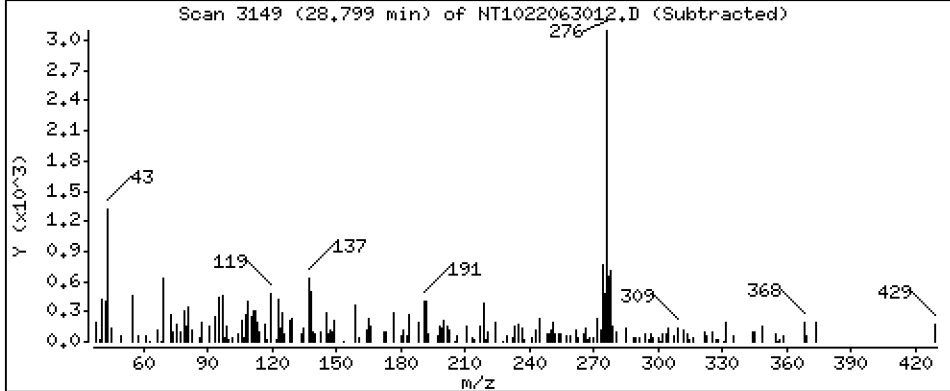
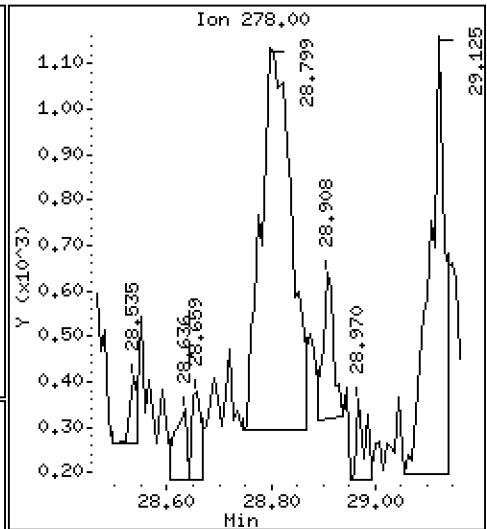
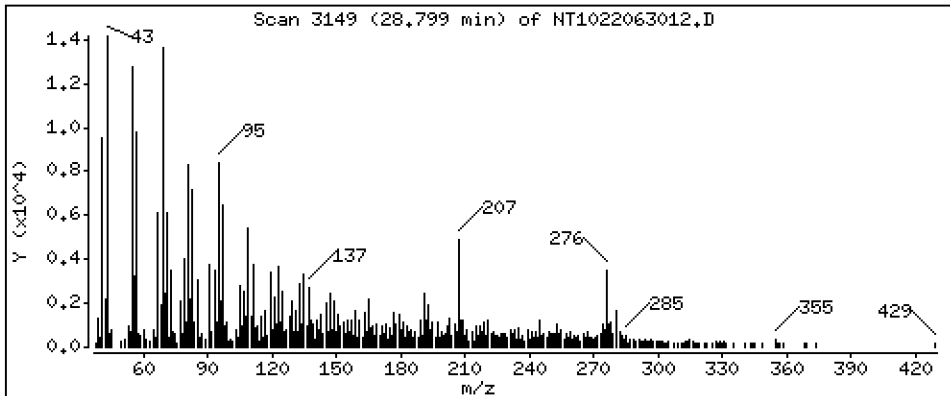
Operator: VTS

Column phase: ZB-5msi

Column diameter: 0,25

79 Dibenzo(a,h)anthracene

Concentration: 0,1142 ug/mL



Date : 30-JUN-2022 20:41

Client ID:

Instrument: nt10.i

Sample Info: 22F0267-05

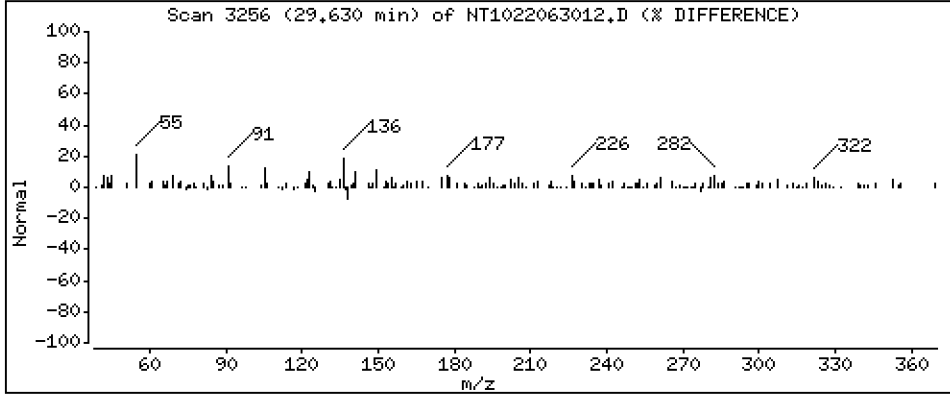
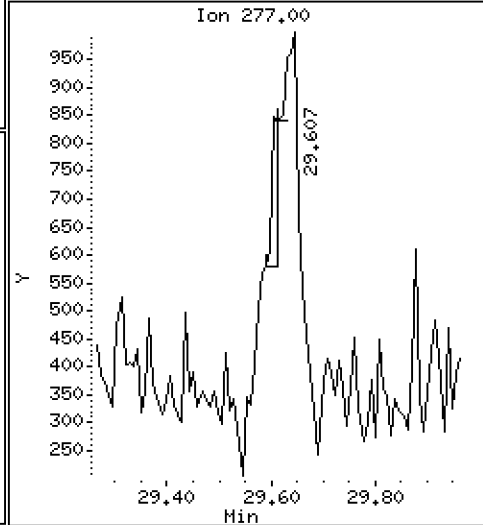
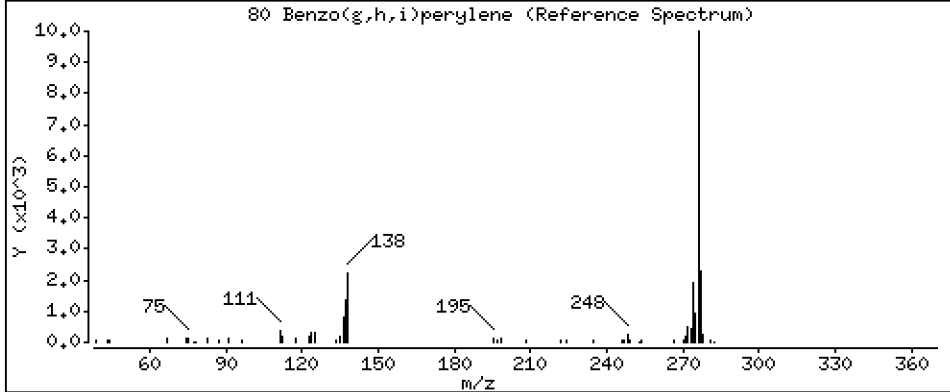
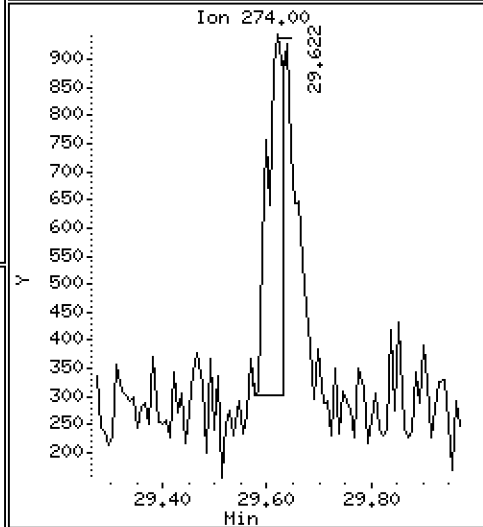
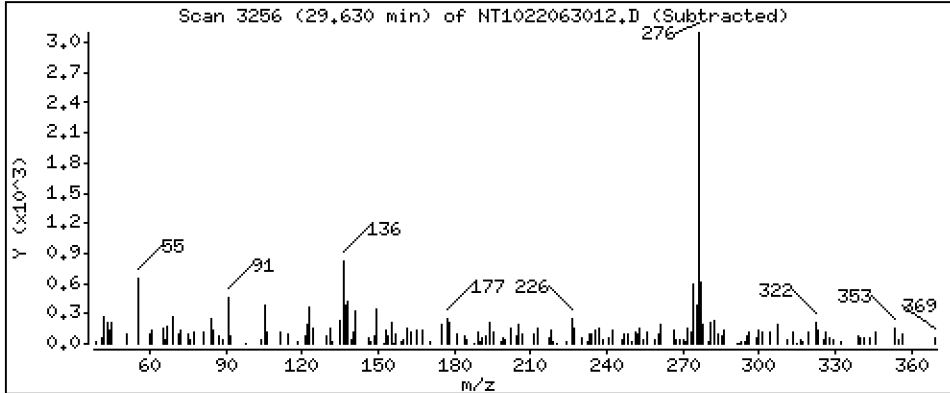
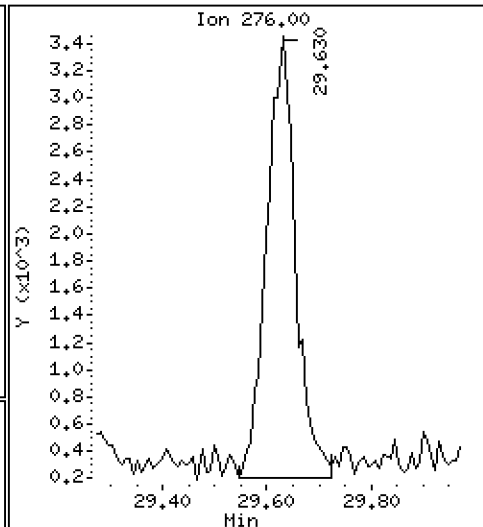
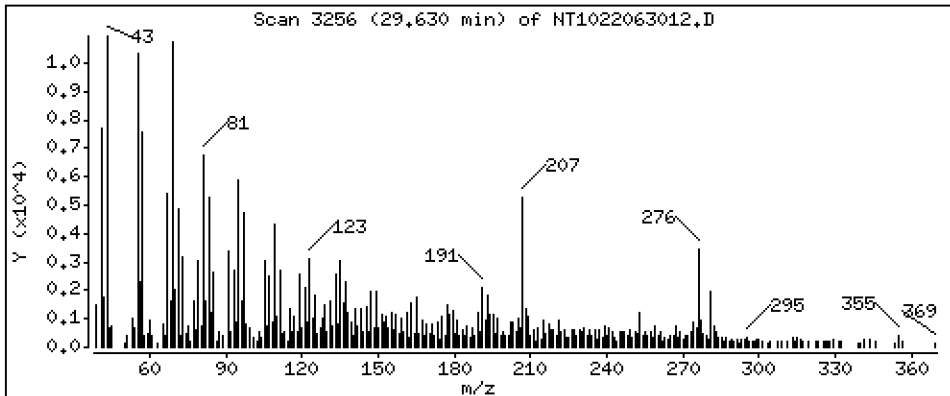
Operator: VTS

Column phase: ZB-5msi

Column diameter: 0,25

80 Benzo(g,h,i)perylene

Concentration: 0,4027 ug/mL



Date : 30-JUN-2022 20:41

Client ID:

Instrument: nt10.i

Sample Info: 22F0267-05

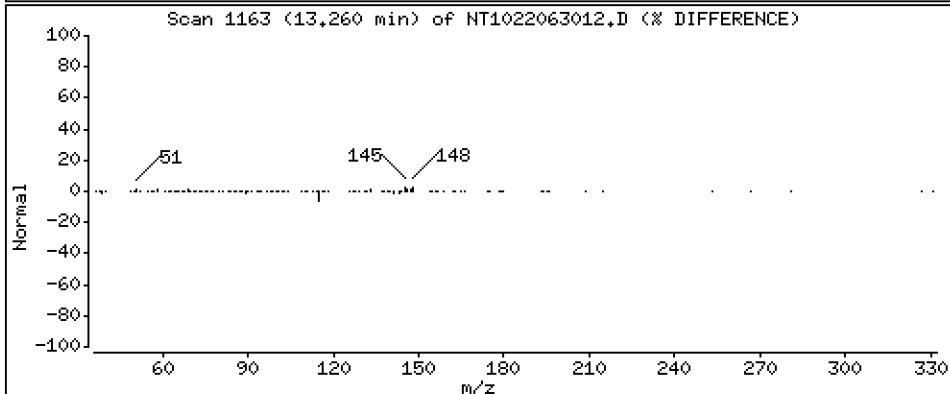
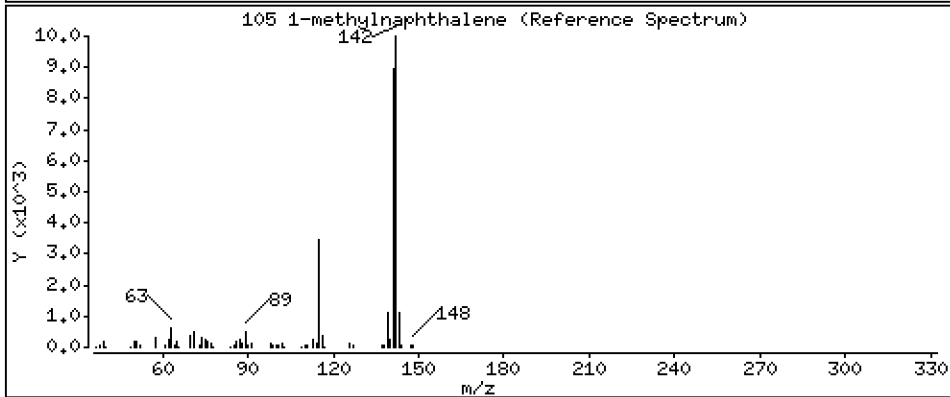
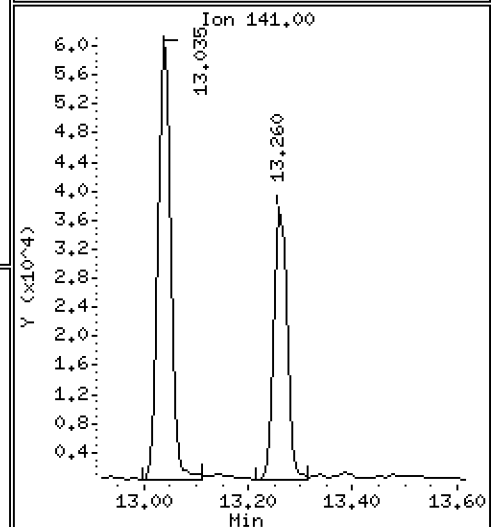
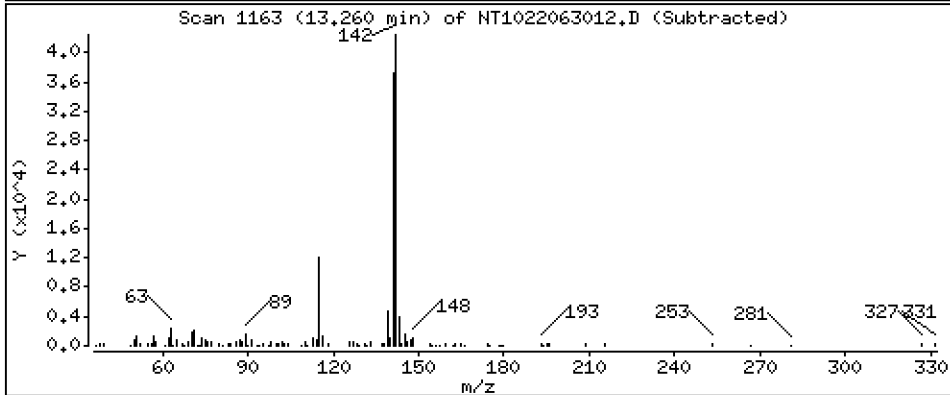
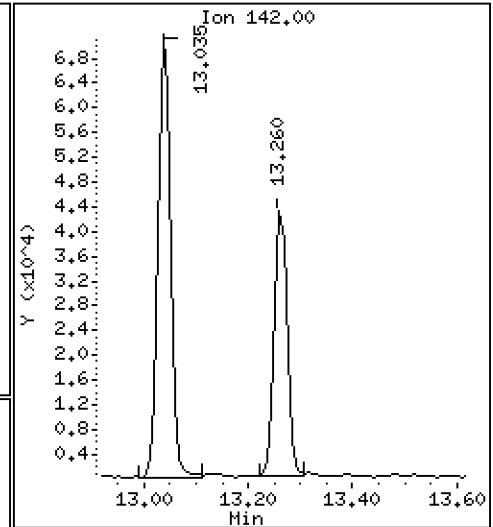
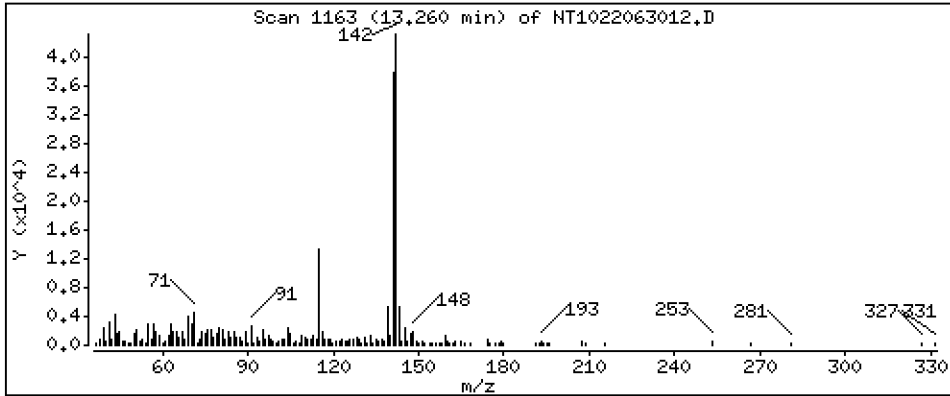
Operator: VTS

Column phase: ZB-5msi

Column diameter: 0,25

105 1-methylnaphthalene

Concentration: 0,2944 ug/mL



Date : 30-JUN-2022 20:41

Client ID:

Instrument: nt10.i

Sample Info: 22F0267-05

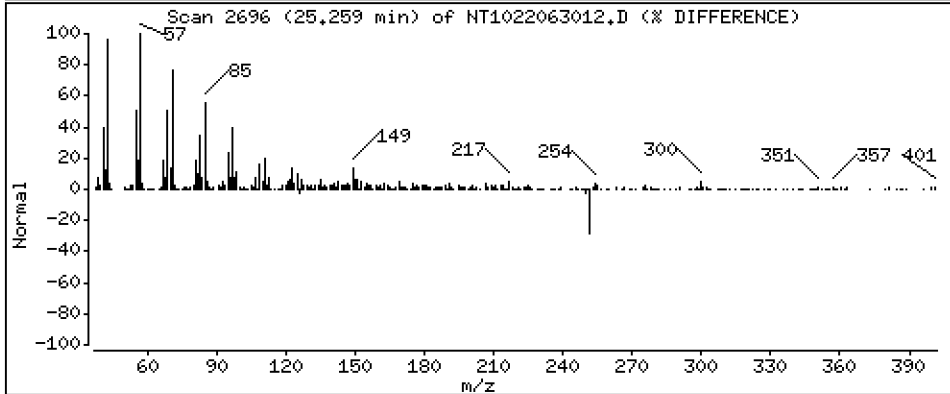
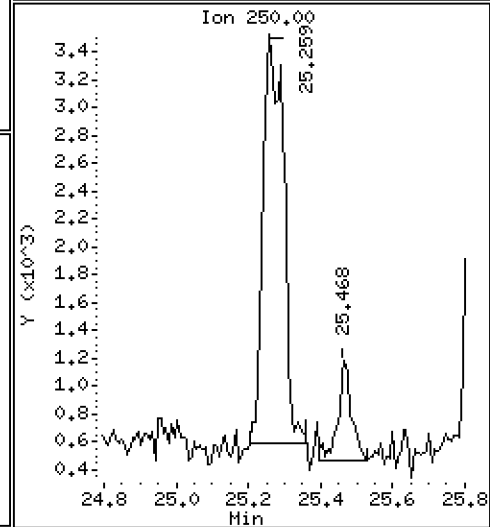
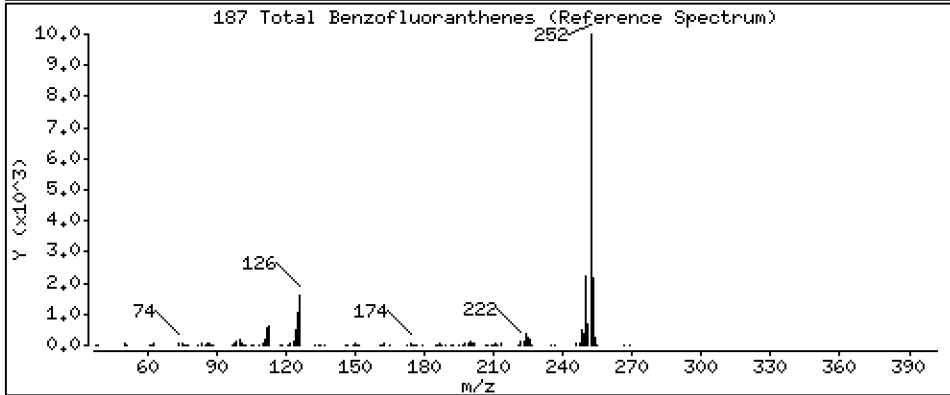
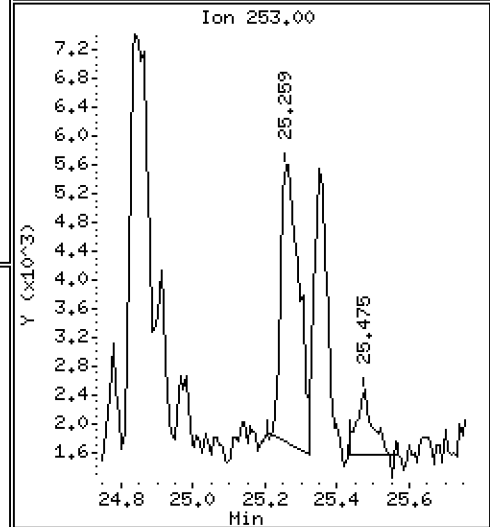
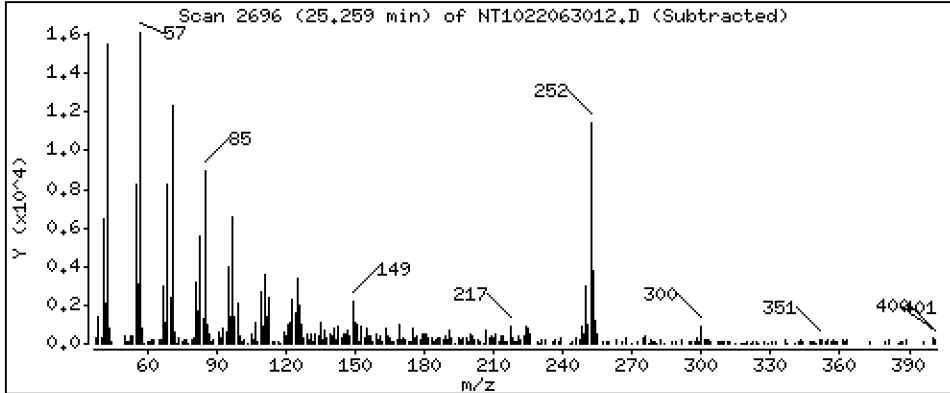
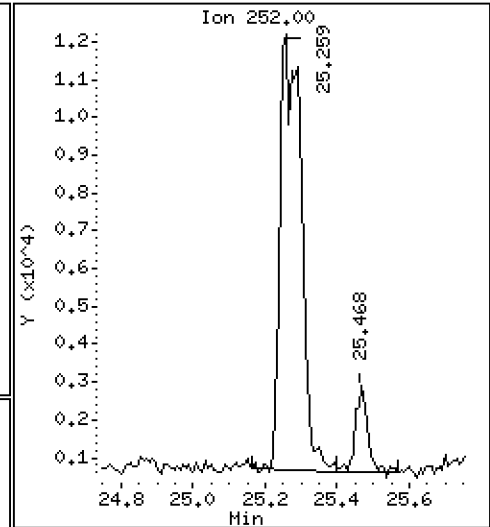
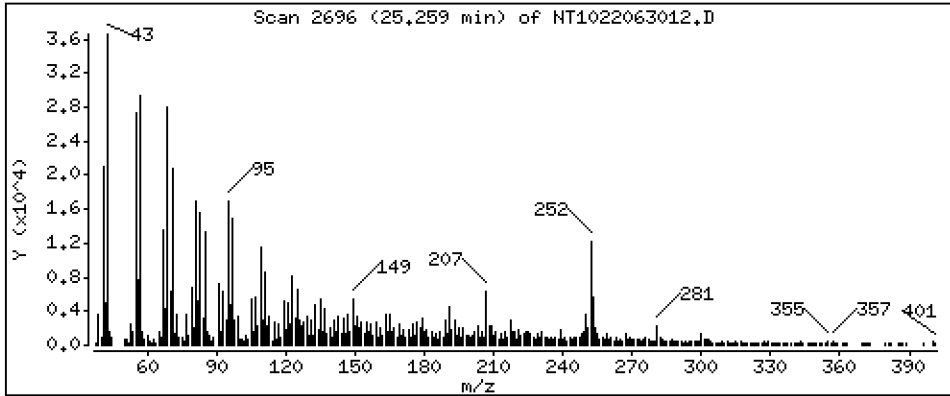
Operator: VTS

Column phase: ZB-5msi

Column diameter: 0,25

187 Total Benzofluoranthenes

Concentration: 1,136 ug/mL



Date : 30-JUN-2022 20:41

Client ID:

Instrument: nt10.i

Sample Info: 22F0267-05

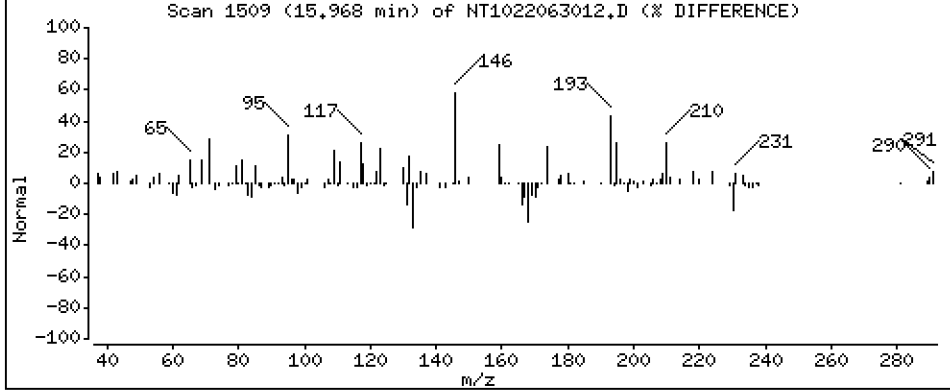
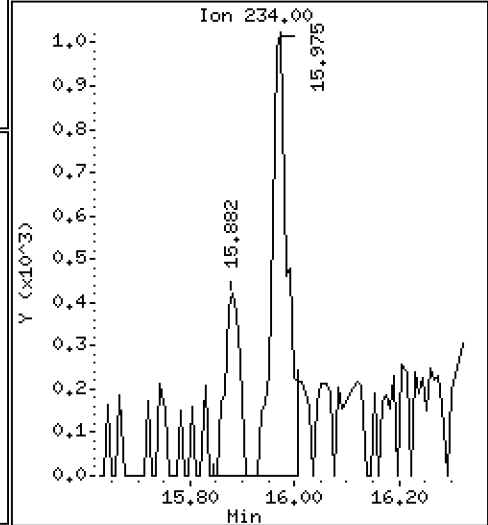
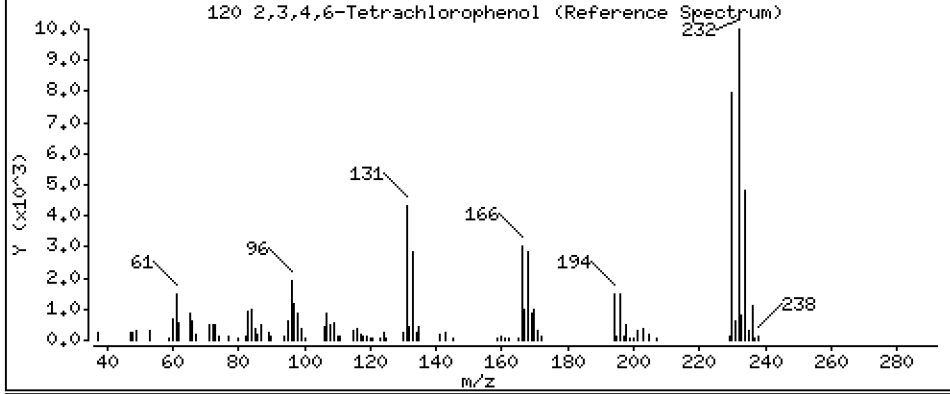
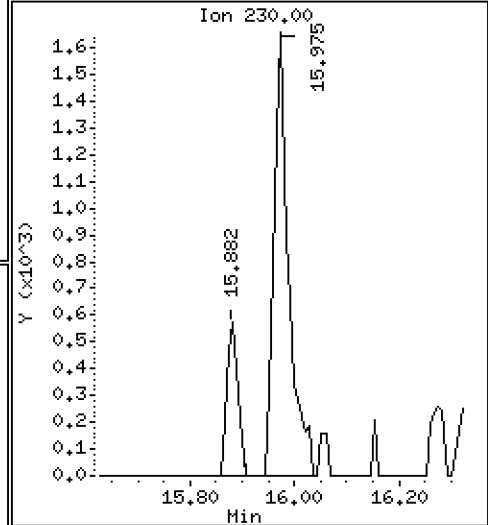
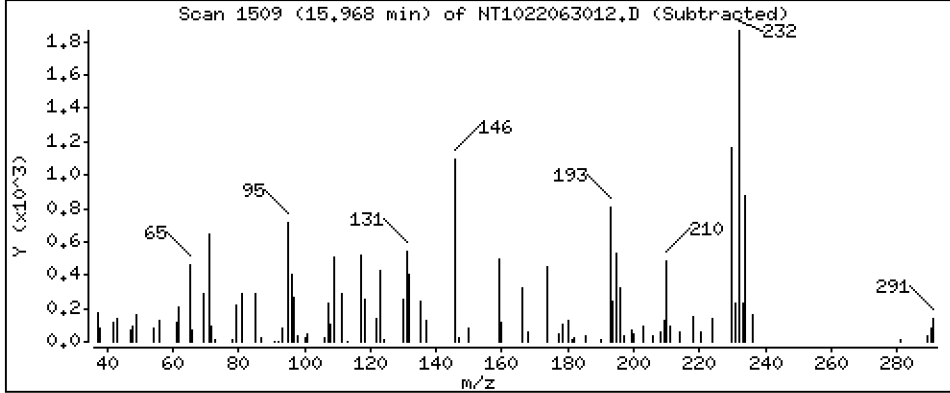
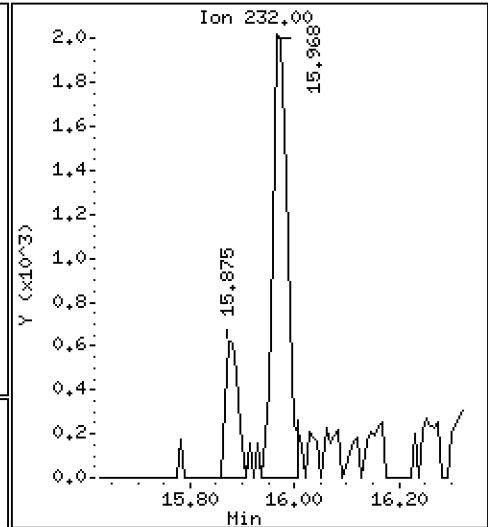
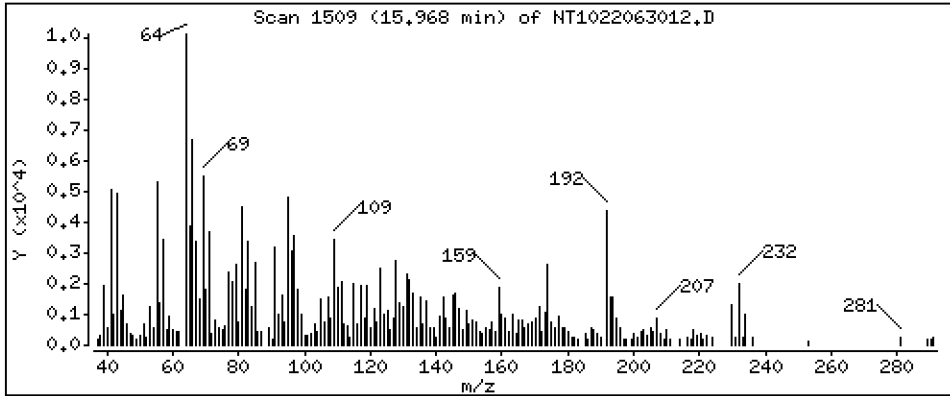
Operator: VTS

Column phase: ZB-5msi

Column diameter: 0,25

120 2,3,4,6-Tetrachlorophenol

Concentration: 0,09257 ug/mL



ARI Labs, Inc.

Semivolatile Report SW846 Method 8270D

Data file : \\target\share\chem3\nt10.i\20220630.b\NT1022063012.D
 Lab Smp Id: 22F0267-05
 Inj Date : 30-JUN-2022 20:41
 Operator : VTS
 Smp Info : 22F0267-05
 Misc Info :
 Comment : 1ul Injection
 Method : \\target\share\chem3\nt10.i\20220630.b\ABN.m
 Meth Date : 01-Jul-2022 17:13 yev
 Cal Date : 23-JUN-2022 13:07
 Als bottle: 11
 Dil Factor: 1.00000
 Integrator: HP RTE
 Target Version: 4.14
 Processing Host: ORGDATA102

Inst ID: nt10.i

Quant Type: ISTD
 Cal File: NT1022062308.D

Compound Sublist: ICAL.sub

Compounds	QUANT	SIG	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS	
							ON-COLUMN	FINAL
	MASS						(ug/mL)	(ug/mL)
\$ 1 2-Fluorophenol	112		6.929	6.922	(0.761)	499229	5.03176	5.032
\$ 2 Phenol-d5	99		8.513	8.513	(0.935)	766224	5.20482	5.205
3 Phenol	94		8.536	8.529	(0.937)	55296	0.43106	0.4311
\$ 5 2-Chlorophenol-d4	132		8.768	8.768	(0.963)	685031	6.77614	6.776
4 Bis(2-Chloroethyl)ether	93		Compound Not Detected.					
6 2-Chlorophenol	128		Compound Not Detected.					
7 1,3-Dichlorobenzene	146		Compound Not Detected.					
* 8 1,4-Dichlorobenzene-d4	152		9.109	9.117	(1.000)	271709	4.00000	
9 1,4-Dichlorobenzene	146		9.148	9.148	(1.004)	5894	0.06760	0.06760
\$ 10 1,2-Dichlorobenzene-d4	152		9.473	9.474	(1.040)	289177	4.64209	4.642
12 1,2-Dichlorobenzene	146		Compound Not Detected.					
11 Benzyl alcohol	108		Compound Not Detected.					
14 2,2'-oxybis(1-Chloropropane)	121		Compound Not Detected.					
13 2-Methylphenol	108		Compound Not Detected.					
17 Hexachloroethane	117		Compound Not Detected.					
16 N-Nitroso-di-n-propylamine	70		Compound Not Detected.					
15 4-Methylphenol	108		9.916	9.901	(1.089)	9384	0.11102	0.1110
\$ 18 Nitrobenzene-d5	82		10.203	10.211	(0.880)	452107	4.44480	4.445
19 Nitrobenzene	77		Compound Not Detected.					
20 Isophorone	82		Compound Not Detected.					
21 2-Nitrophenol	139		Compound Not Detected.					
22 2,4-Dimethylphenol	107		10.961	10.944	(0.945)	2969	0.03774	0.03774
23 Bis(2-Chloroethoxy)methane	93		Compound Not Detected.					
24 Benzoic acid	105		Compound Not Detected.					
25 2,4-Dichlorophenol	162		Compound Not Detected.					
26 1,2,4-Trichlorobenzene	180		Compound Not Detected.					
* 27 Naphthalene-d8	136		11.596	11.604	(1.000)	955920	4.00000	
28 Naphthalene	128		11.635	11.643	(1.003)	173760	0.71024	0.7102
29 4-Chloroaniline	127		Compound Not Detected.					
30 Hexachlorobutadiene	225		Compound Not Detected.					
31 4-Chloro-3-methylphenol	107		Compound Not Detected.					
32 2-Methylnaphthalene	142		13.035	13.043	(1.124)	112843	0.46409	0.4641
33 Hexachlorocyclopentadiene	237		Compound Not Detected.					

Compounds	QUANT	SIG	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS	
							ON-COLUMN (ug/mL)	FINAL (ug/mL)
34 2,4,6-Trichlorophenol	196							
35 2,4,5-Trichlorophenol	196							
\$ 36 2-Fluorobiphenyl	172		13.816	13.824	(0.907)	1113008	5.26433	5.264
37 2-Chloronaphthalene	162							
38 2-Nitroaniline	65							
39 Dimethylphthalate	163		14.722	14.730	(0.967)	60711	0.37054	0.3705
40 Acenaphthylene	152		14.908	14.916	(0.979)	41650	0.15250	0.1525
41 2,6-Dinitrotoluene	165							
* 42 Acenaphthene-d10	164		15.225	15.225	(1.000)	467208	4.00000	
43 3-Nitroaniline	138							
44 Acenaphthene	153		15.287	15.295	(1.004)	13726	0.10102	0.1010
45 2,4-Dinitrophenol	184							
46 Dibenzofuran	168		15.619	15.619	(1.026)	28367	0.13137	0.1314
47 4-Nitrophenol	109							
48 2,4-Dinitrotoluene	165							
50 Diethylphthalate	149		16.184	16.191	(1.063)	35300	0.25116	0.2512
49 Fluorene	166		16.331	16.338	(1.073)	33621	0.13030	0.1303
51 4-Chlorophenyl-phenylether	204							
52 4-Nitroaniline	138							
53 4,6-Dinitro-2-methylphenol	198							
54 N-Nitrosodiphenylamine	169							
\$ 55 2,4,6-Tribromophenol	330		16.878	16.878	(1.109)	146360	6.88072	6.881
56 4-Bromophenyl-phenylether	248							
57 Hexachlorobenzene	284							
58 Pentachlorophenol	266		18.029	18.029	(0.986)	10714	1.13219	1.132
* 59 Phenanthrene-d10	188		18.277	18.277	(1.000)	629459	4.00000	
60 Phenanthrene	178		18.323	18.331	(1.003)	213913	1.29353	1.294
61 Anthracene	178		18.416	18.424	(1.008)	59304	0.33652	0.3365
62 Carbazole	167		18.764	18.757	(1.027)	13652	0.08397	0.08397
63 Di-n-butylphthalate	149		19.553	19.554	(1.070)	29604	0.12162	0.1216
64 Fluoranthene	202		20.737	20.722	(0.888)	138724	1.61123	1.611
65 Pyrene	202		21.155	21.147	(0.906)	129056	1.71024	1.710
\$ 66 Terphenyl-d14	244		21.434	21.434	(0.918)	187589	4.44171	4.442
67 Butylbenzylphthalate	149							
68 Benzo(a)anthracene	228		23.323	23.331	(0.999)	31144	0.60730	0.6073
* 69 Chrysene-d12	240		23.354	23.354	(1.000)	121023	4.00000	
70 3,3'-Dichlorobenzidine	252							
71 Chrysene	228		23.392	23.400	(1.002)	30925	0.90413	0.9041
72 bis(2-Ethylhexyl)phthalate	149		23.400	23.400	(0.959)	13014	0.45371	0.4537
* 134 Di-n-octylphthalate-d4	153		24.399	24.407	(1.000)	259503	4.00000	
73 Di-n-octylphthalate	149							
74 Benzo(b)fluoranthene	252		25.258	25.251	(0.970)	21819	0.48862	0.4886
75 Benzo(k)fluoranthene	252		25.289	25.297	(0.971)	28930	0.67375	0.6737 (M)
76 Benzo(a)pyrene	252		25.932	25.924	(0.996)	25677	0.70257	0.7026
* 77 Perylene-d12	264		26.048	26.041	(1.000)	98600	4.00000	
78 Indeno(1,2,3-cd)pyrene	276		28.806	28.806	(1.106)	11822	0.30296	0.3030
79 Dibenzo(a,h)anthracene	278		28.798	28.814	(1.106)	3411	0.11418	0.1142
80 Benzo(g,h,i)perylene	276		29.630	29.622	(1.137)	12561	0.40269	0.4027
90 N-Nitrosodimethylamine	74							
91 Aniline	93							
93 Benzidine	184							
103 Pyridine	79							
105 1-methylnaphthalene	142		13.259	13.267	(1.143)	70327	0.29440	0.2944
111 Azobenzene (1,2-DP-Hydrazine)	77							

Compounds	QUANT SIG		CONCENTRATIONS					
	MASS		RT	EXP RT	REL RT	RESPONSE	ON-COLUMN (ug/mL)	FINAL (ug/mL)
187 Total Benzofluoranthenes	252		25.258	25.251	(0.970)	47312	1.13634	1.136
120 2,3,4,6-Tetrachlorophenol	232		15.967	15.975	(1.049)	3821	0.09257	0.09257

QC Flag Legend

M - Compound response manually integrated.

ARI Labs, Inc.

INTERNAL STANDARD COMPOUNDS
 AREA AND RT SUMMARY

Instrument ID: nt10.i Calibration Date: 30-JUN-2022
 Lab File ID: NT1022063012.D Calibration Time: 14:09
 Lab Smp Id: 22F0267-05
 Analysis Type: SV Level:
 Quant Type: ISTD Sample Type:
 Operator: VTS
 Method File: \\target\share\chem3\nt10.i\20220630.b\ABN.m
 Misc Info:

Test Mode:
 Use Last Continuing Calibrator.

COMPOUND	STANDARD	AREA LIMIT		SAMPLE	%DIFF
		LOWER	UPPER		
8 1,4-Dichlorobenze	207392	103696	414784	271709	31.01
27 Naphthalene-d8	696938	348469	1393876	955920	37.16
42 Acenaphthene-d10	395441	197721	790882	467208	18.15
59 Phenanthrene-d10	603067	301534	1206134	629459	4.38
69 Chrysene-d12	148146	74073	296292	121023	-18.31
134 Di-n-octylphthala	308009	154005	616018	259503	-15.75
77 Perylene-d12	115550	57775	231100	98600	-14.67

COMPOUND	STANDARD	RT LIMIT		SAMPLE	%DIFF
		LOWER	UPPER		
8 1,4-Dichlorobenze	9.12	8.62	9.62	9.11	-0.09
27 Naphthalene-d8	11.60	11.10	12.10	11.60	-0.07
42 Acenaphthene-d10	15.23	14.73	15.73	15.23	-0.00
59 Phenanthrene-d10	18.28	17.78	18.78	18.28	-0.00
69 Chrysene-d12	23.35	22.85	23.85	23.35	-0.00
134 Di-n-octylphthala	24.41	23.91	24.91	24.40	-0.03
77 Perylene-d12	26.04	25.54	26.54	26.05	0.03

AREA UPPER LIMIT = +100% of internal standard area.
 AREA LOWER LIMIT = - 50% of internal standard area.
 RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
 RT LOWER LIMIT = - 0.50 minutes of internal standard RT.

REVIEW SUMMARY FOR FILE - NT1022063012.D

Lab ID: 22F0267-05
nt10.i, ABN.m, 30-JUN-2022 20:41

RT CO-ELUTION COMPOUNDS

NO CO-ELUTIONS

Quant Method: ICAL

RRT CHECK

RRT	CCV	RRT	DELTA	COMPOUND
-----	-----	-----	-------	----------

NONE

RRT check based on Ccal File: NT1022063002.D

On Column LOD for nt10.i, ABN.m, ICAL.sub = 0.0000

* Only compounds listed in the work order have been verified by the analyst *

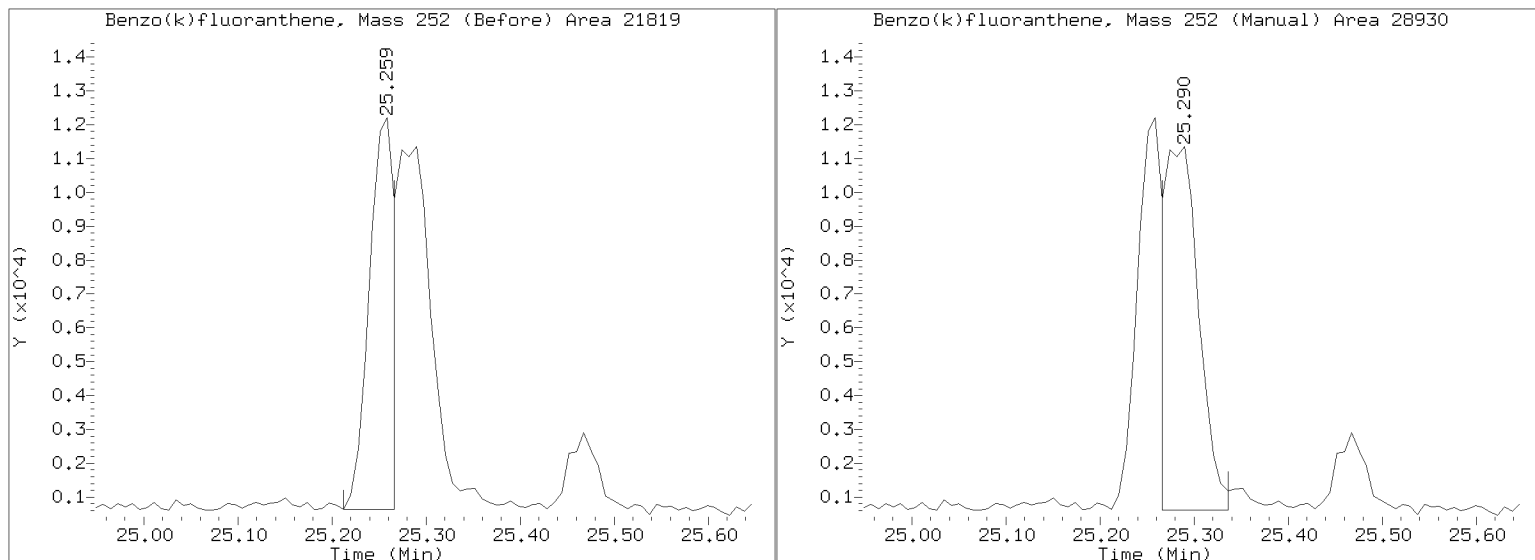
Quant Ion Manual Peak Adjustment Report

Datafile: //target/share/chem3/nt10.i/20220630.b/NT1022063012.D

Injection Date: 30-JUN-2022 20:41

Lab ID:22F0267-05 Client ID:

Report Date: 07/01/2022 17:14





Form I
ORGANIC ANALYSIS DATA SHEET
EPA 8270E
Semivolatiles (20ug/kg - 0.2ug/L SepF)

Laboratory: Analytical Resources, LLC
 Client: GeoEngineers
 Project: RG Haley Site-Bellingham
 Matrix: Sediment Laboratory ID: 22F0267-07 A SDG: 22F0267
 Sampled: 06/15/22 09:55 Prepared: 06/21/22 13:45 File ID: NT1022063013.D
 % Solids: 83.24 Preparation: EPA 3546 (Microwave) Analyzed: 06/30/22 21:20
 Batch: BKF0469 Sequence: SKG0010 Initial/Final: 12.06 g Wet / 1 mL
 Instrument: NT10 Column: ZB-5MSi Calibration: FF00062
 Cleanups: GPC

CAS NO.	COMPOUND	DILUTION	CONC: (ug/kg dry)	Q	DL	RL
91-20-3	Naphthalene	1	36.2		4.2	19.9
91-57-6	2-Methylnaphthalene	1	49.0		4.5	19.9
83-32-9	Acenaphthene	1	86.5		5.2	19.9
87-86-5	Pentachlorophenol	1	205	Q	31.1	99.6
85-01-8	Phenanthrene	1	124		8.7	19.9
206-44-0	Fluoranthene	1	226		6.1	19.9
56-55-3	Benzo(a)anthracene	1	73.7		5.9	19.9
218-01-9	Chrysene	1	107		6.0	19.9
205-99-2	Benzo(b)fluoranthene	1	132		7.0	19.9
207-08-9	Benzo(k)fluoranthene	1	117		5.0	19.9
50-32-8	Benzo(a)pyrene	1	162		4.2	19.9
193-39-5	Indeno(1,2,3-cd)pyrene	1	52.0		14.6	19.9
53-70-3	Dibenzo(a,h)anthracene	1	22.2		17.2	19.9
90-12-0	1-Methylnaphthalene	1	157		5.2	19.9

SURROGATES	ADDED: (ug/kg dry)	FOUND: (ug/kg dry)	% REC	QC LIMITS	Q
2-Fluorophenol	747.11	511	68.5	27 - 120	
Phenol-d5	747.11	516	69.1	29 - 120	
2-Chlorophenol-d4	747.11	677	90.6	31 - 120	
1,2-Dichlorobenzene-d4	498.07	454	91.1	32 - 120	
Nitrobenzene-d5	498.07	452	90.7	30 - 120	
2-Fluorobiphenyl	498.07	643	129	35 - 120	*
2,4,6-Tribromophenol	747.11	510	68.3	24 - 134	
p-Terphenyl-d14	498.07	509	102	37 - 120	

Data File: \\target\share\chem3\nt10.1\20220630.1\NT1022063013.D

Date: 30-JUN-2022 21:20

Client ID:

Sample Info: 22F0267-07

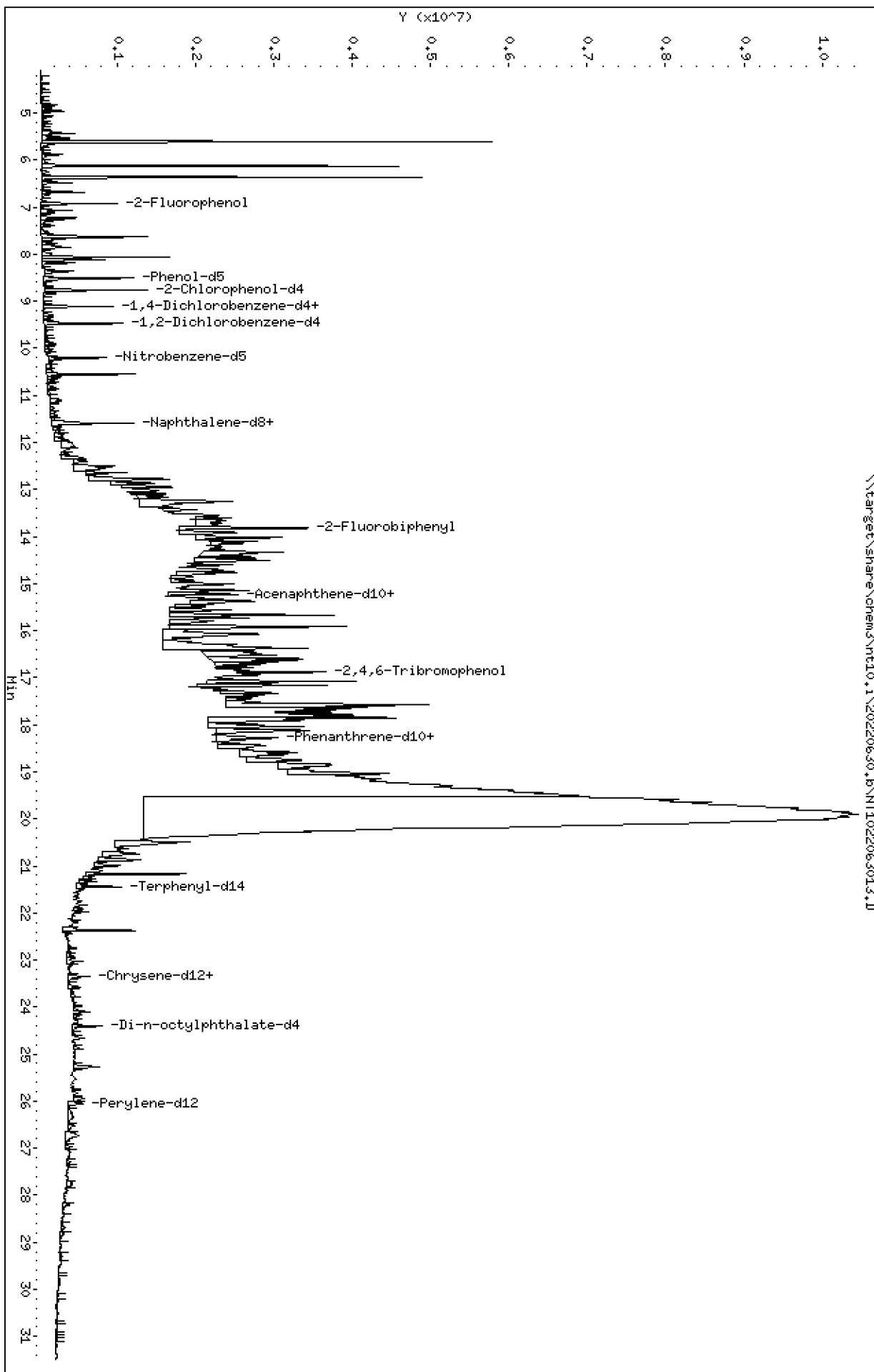
Column phase: ZB-5msi

Instrument: nt10.1

Operator: VTS

Column diameter: 0.25

\\target\share\chem3\nt10.1\20220630.1\NT1022063013.D



Date : 30-JUN-2022 21:20

Client ID:

Instrument: nt10.i

Sample Info: 22F0267-07

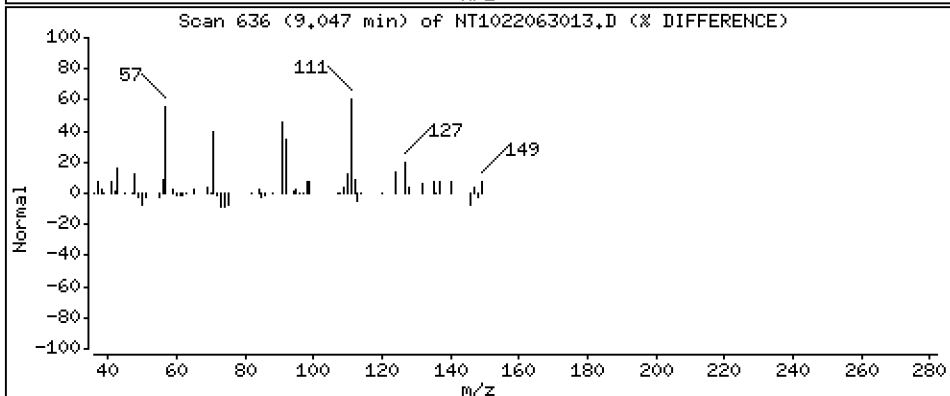
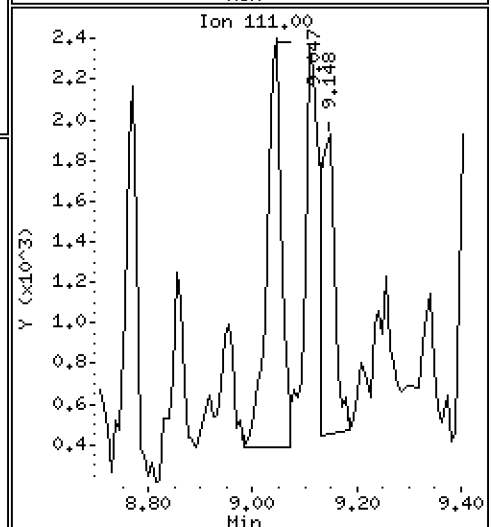
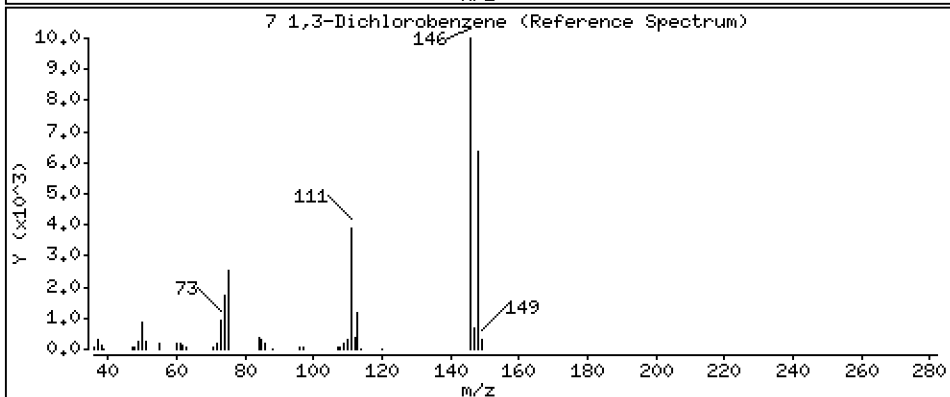
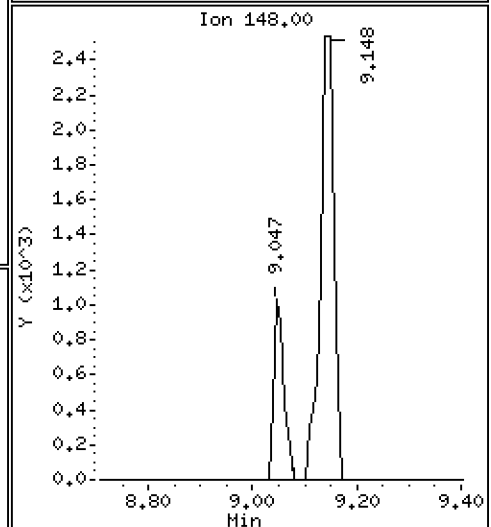
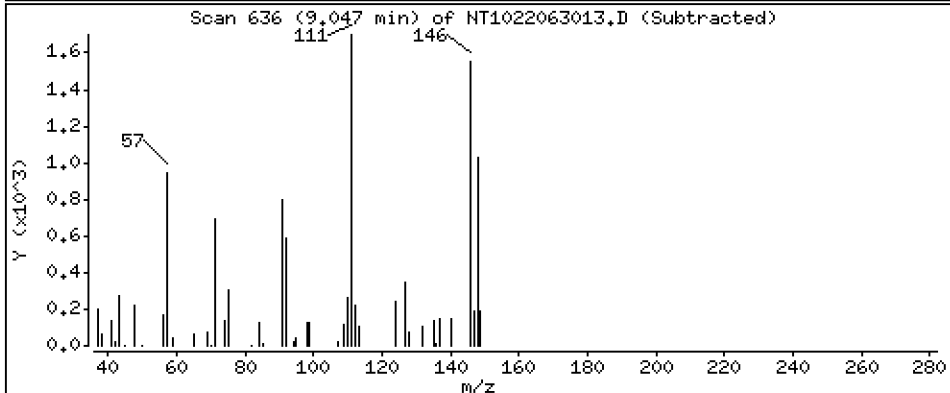
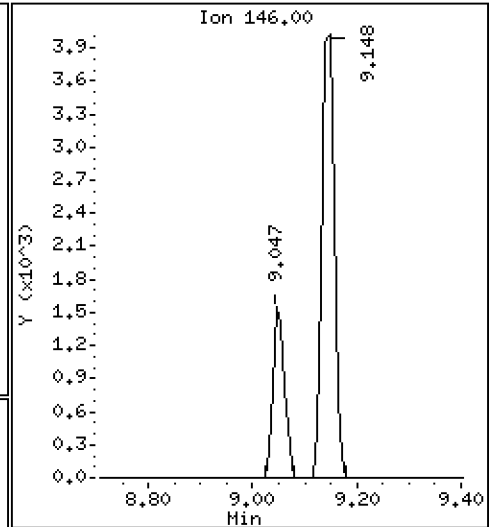
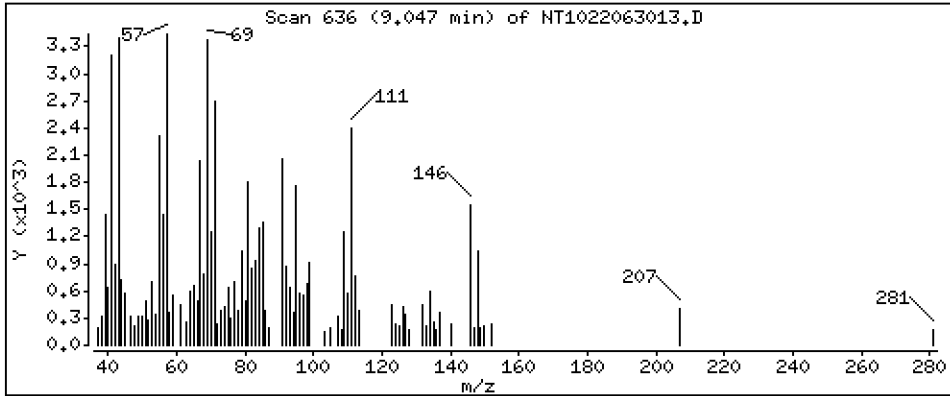
Operator: VTS

Column phase: ZB-5msi

Column diameter: 0,25

7 1,3-Dichlorobenzene

Concentration: 0,02217 ug/mL



Date : 30-JUN-2022 21:20

Client ID:

Instrument: nt10.i

Sample Info: 22F0267-07

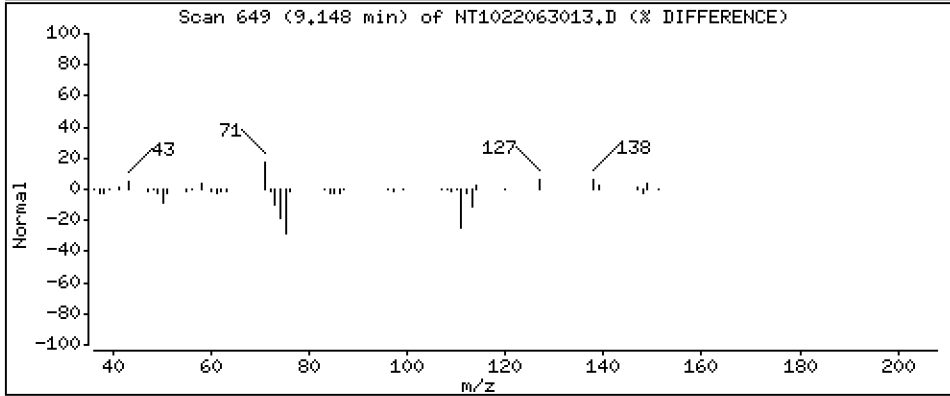
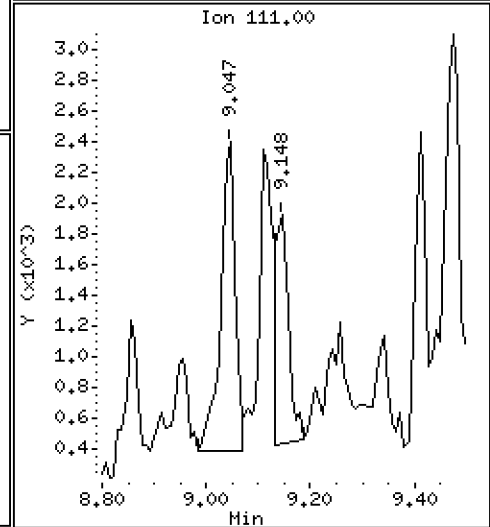
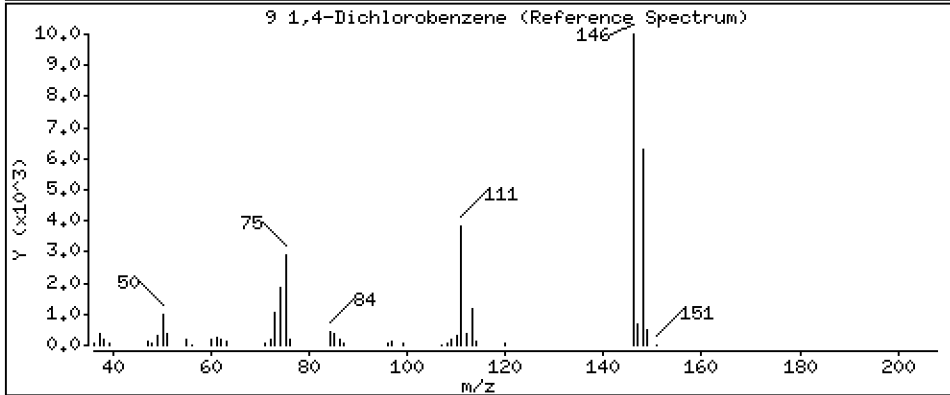
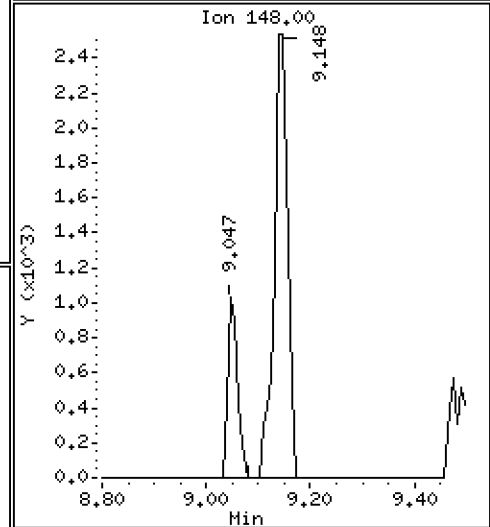
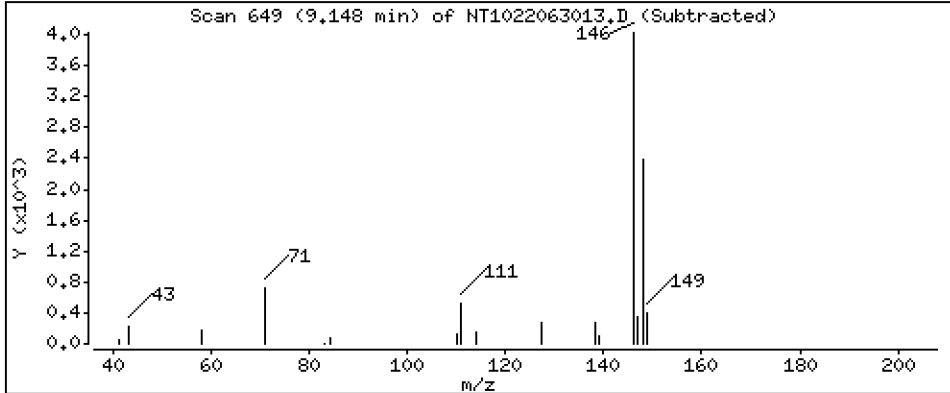
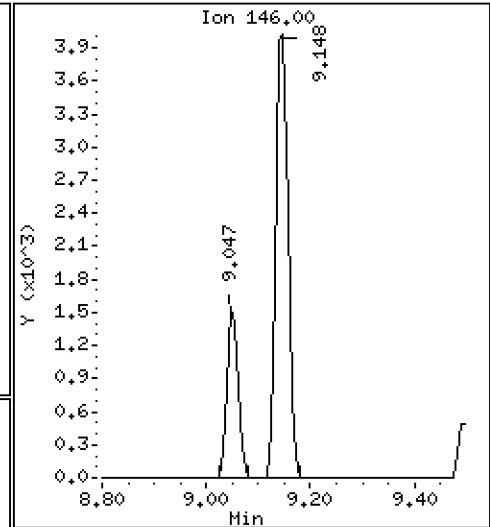
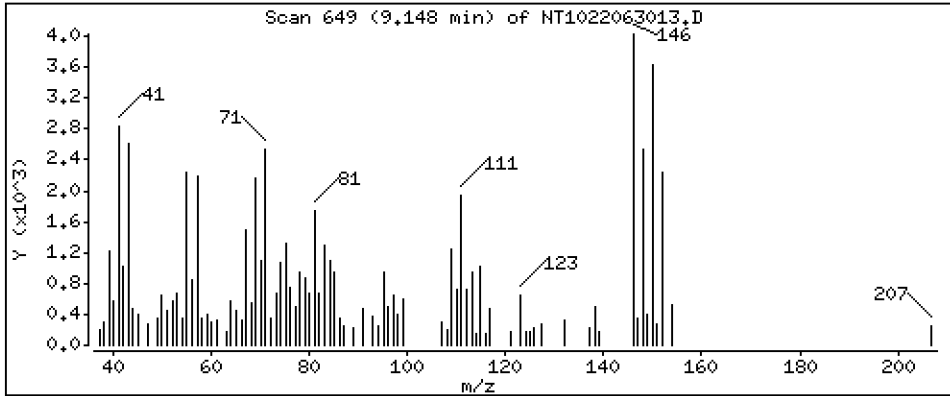
Operator: VTS

Column phase: ZB-5msi

Column diameter: 0.25

9 1,4-Dichlorobenzene

Concentration: 0.07430 ug/mL



Date : 30-JUN-2022 21:20

Client ID:

Instrument: nt10.i

Sample Info: 22F0267-07

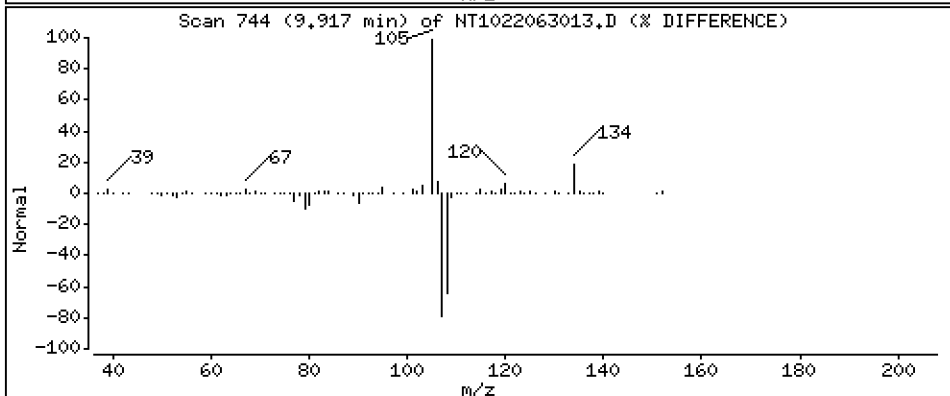
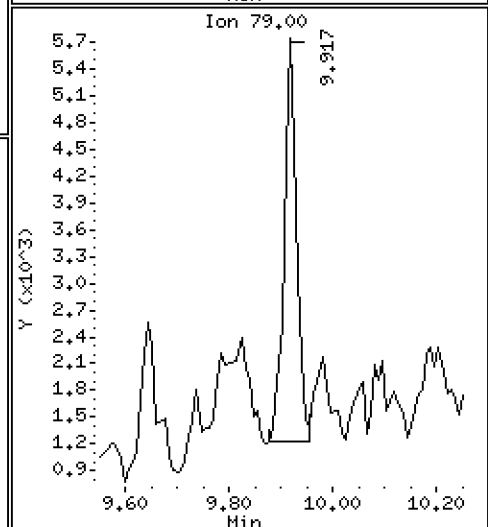
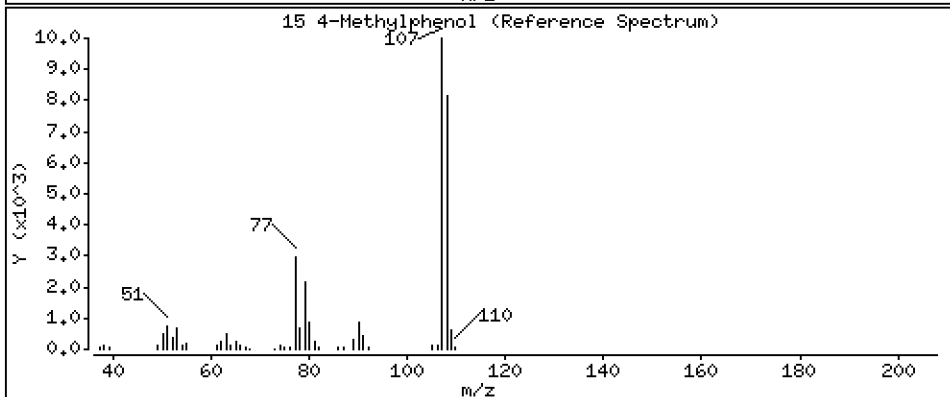
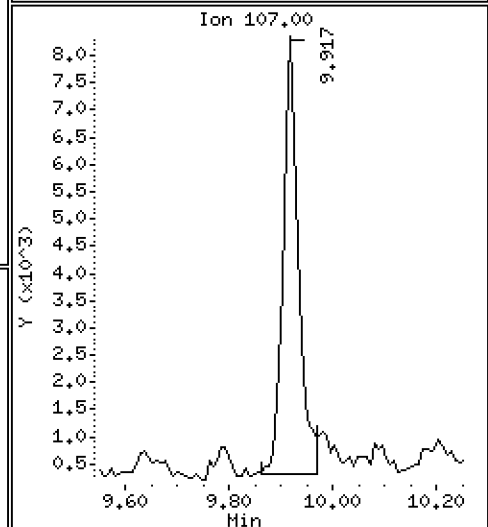
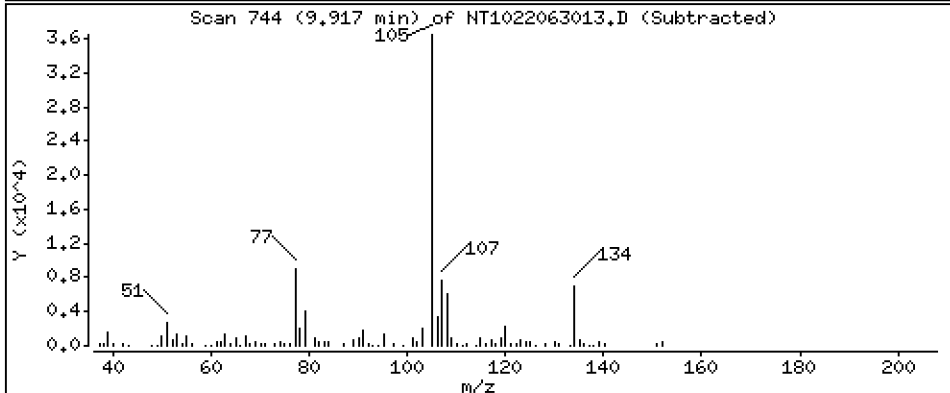
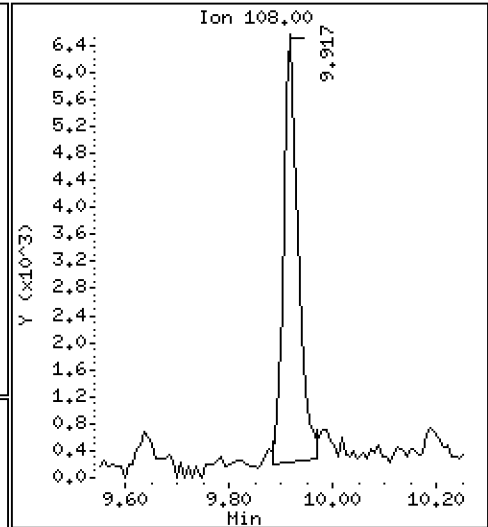
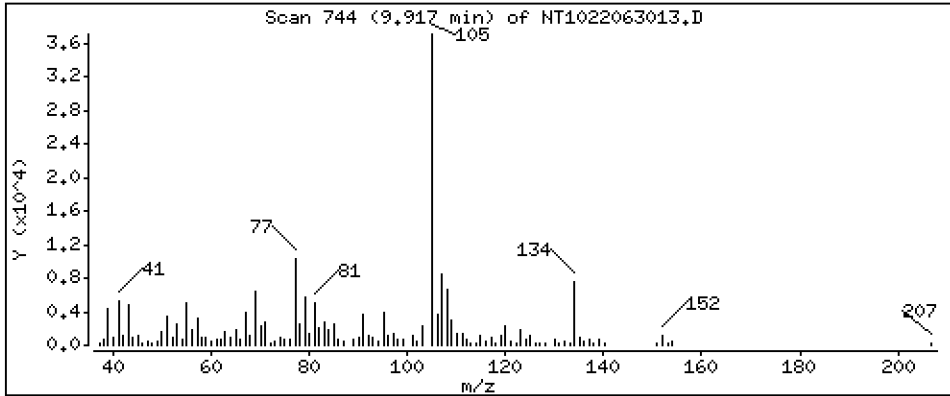
Operator: VTS

Column phase: ZB-5msi

Column diameter: 0.25

15 4-Methylphenol

Concentration: 0.1549 ug/mL



Date : 30-JUN-2022 21:20

Client ID:

Instrument: nt10.i

Sample Info: 22F0267-07

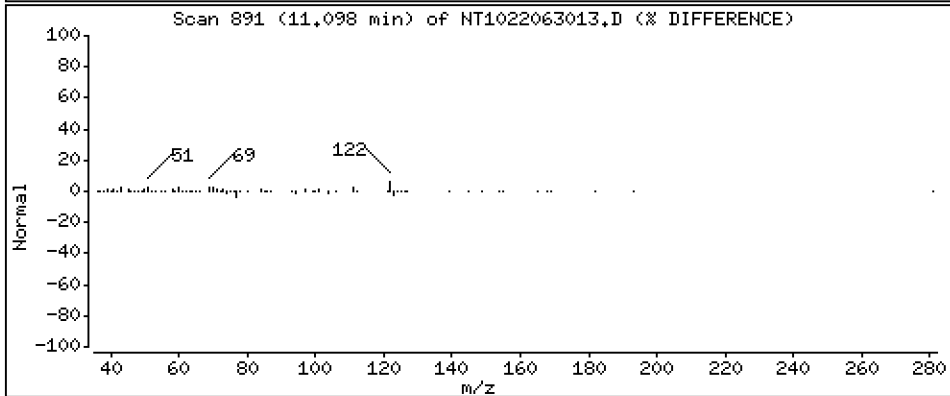
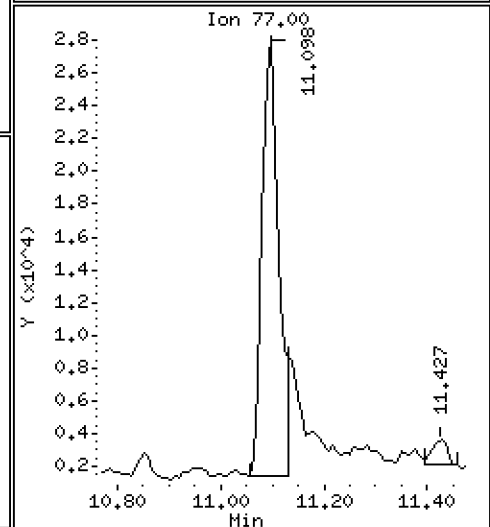
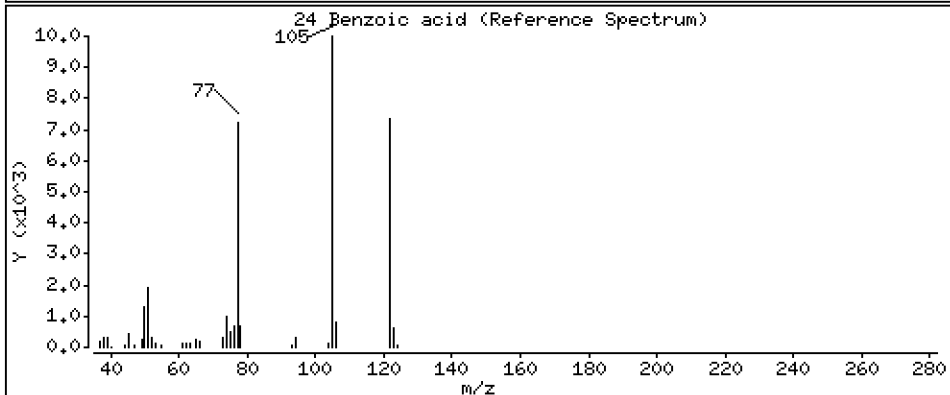
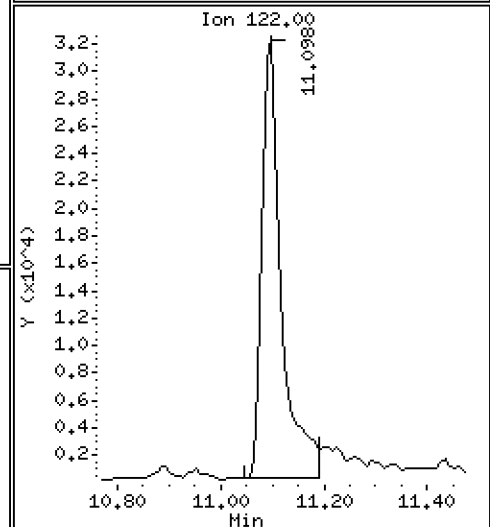
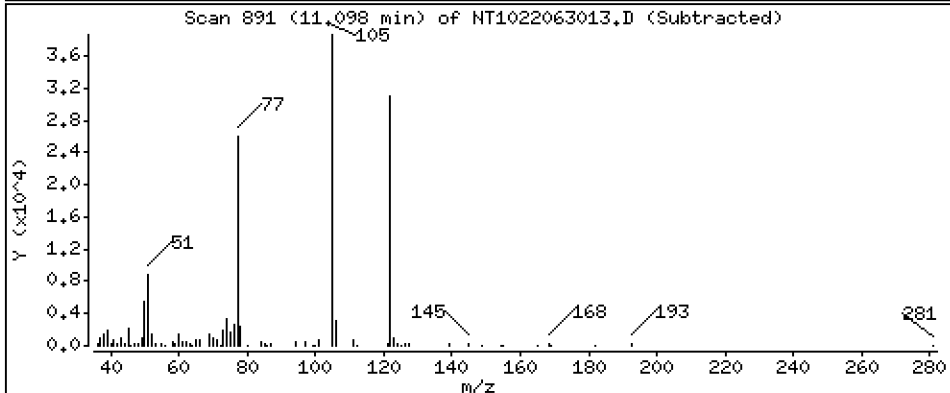
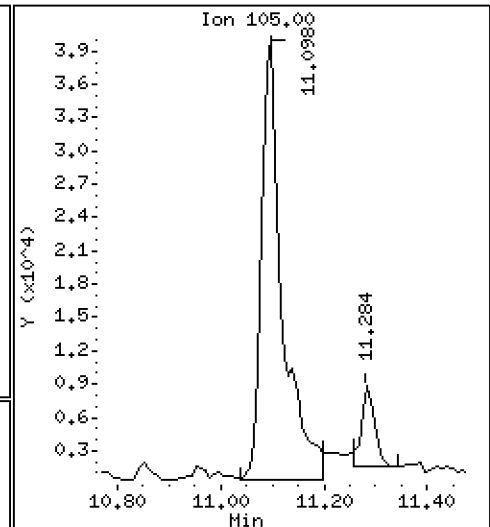
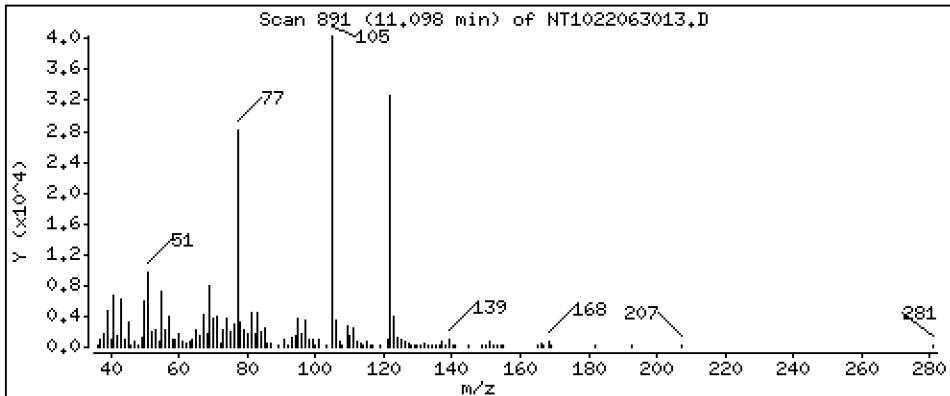
Operator: VTS

Column phase: ZB-5msi

Column diameter: 0,25

24 Benzoic acid

Concentration: 2,995 ug/mL



Date : 30-JUN-2022 21:20

Client ID:

Instrument: nt10.i

Sample Info: 22F0267-07

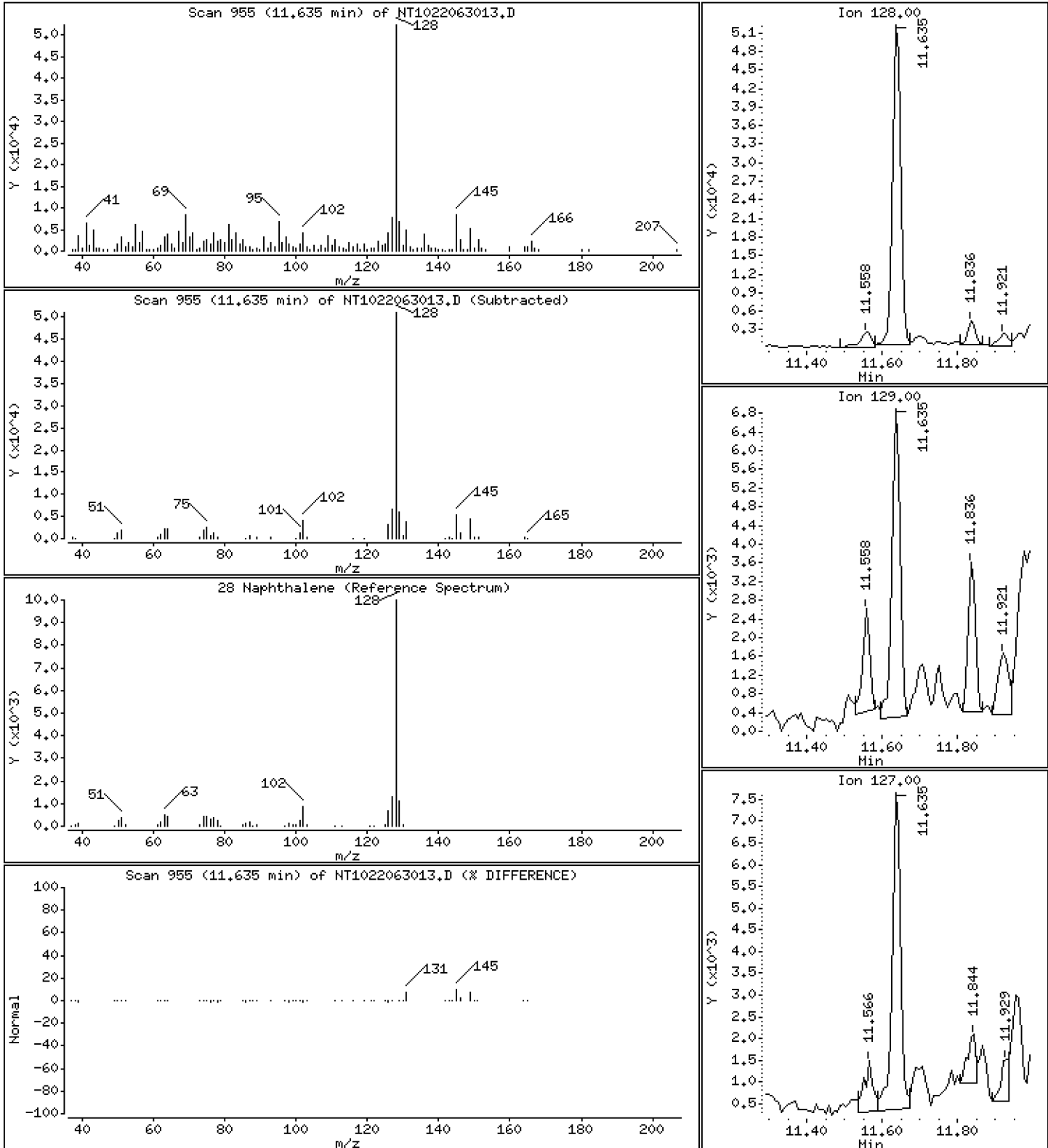
Operator: VTS

Column phase: ZB-5msi

Column diameter: 0.25

28 Naphthalene

Concentration: 0.3629 ug/mL



Date : 30-JUN-2022 21:20

Client ID:

Instrument: nt10.i

Sample Info: 22F0267-07

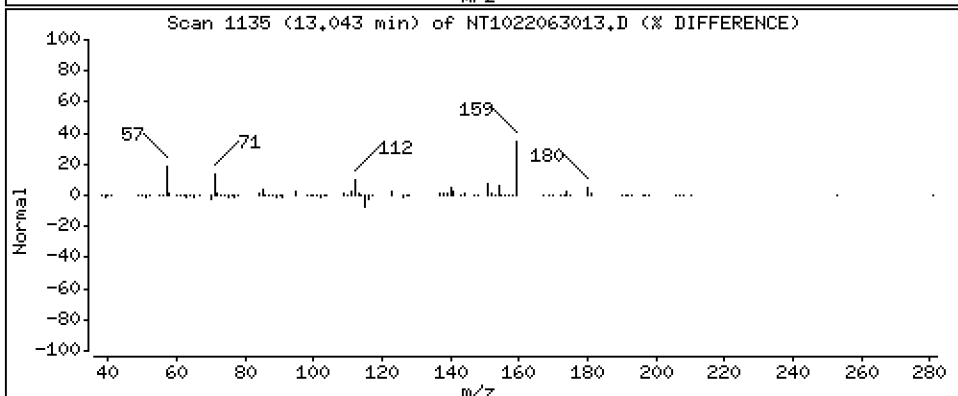
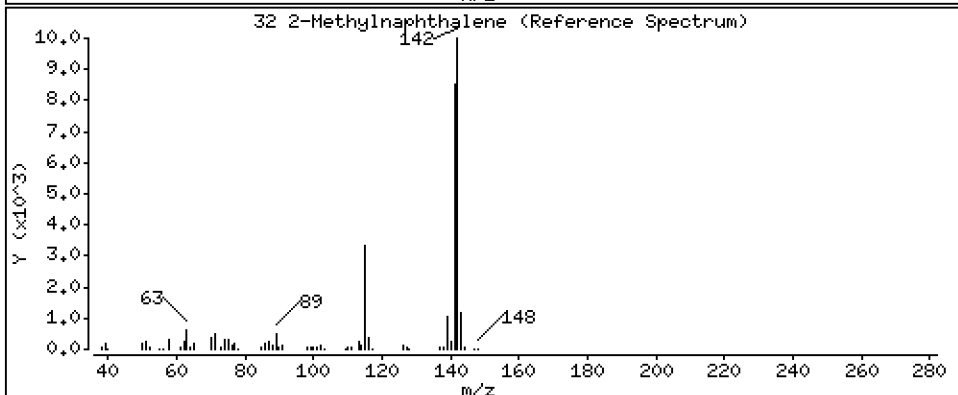
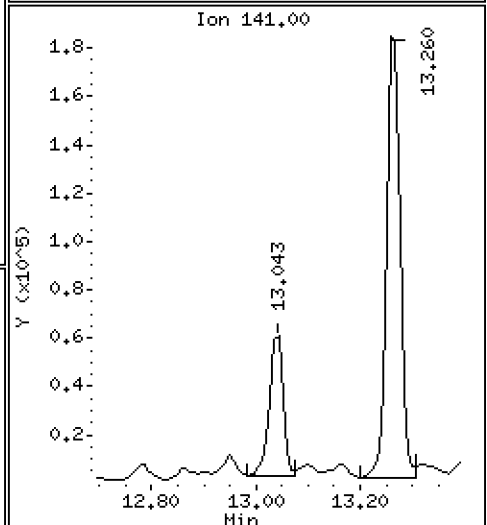
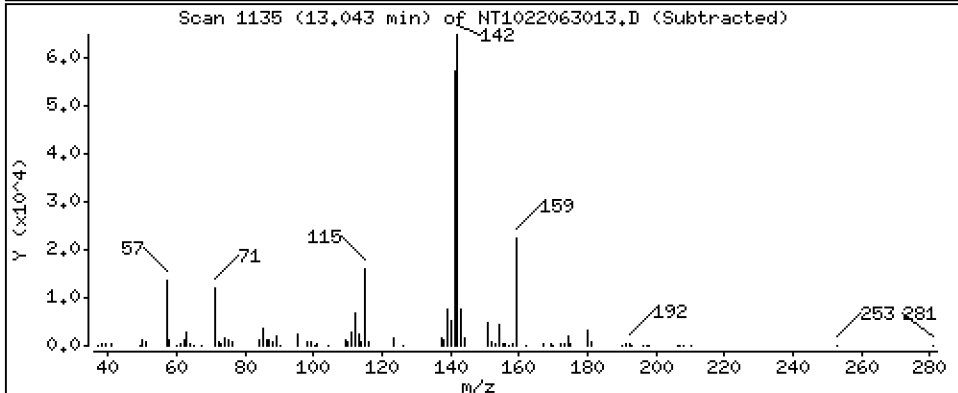
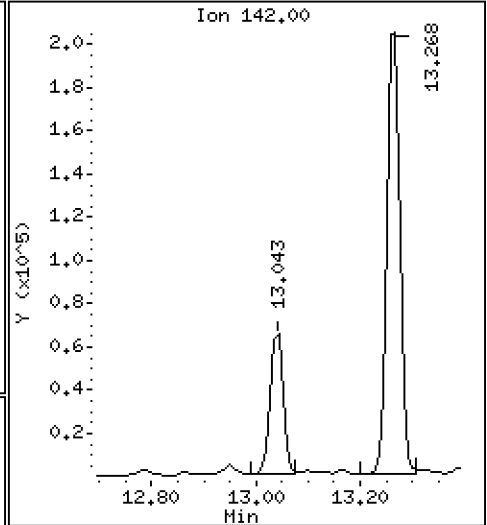
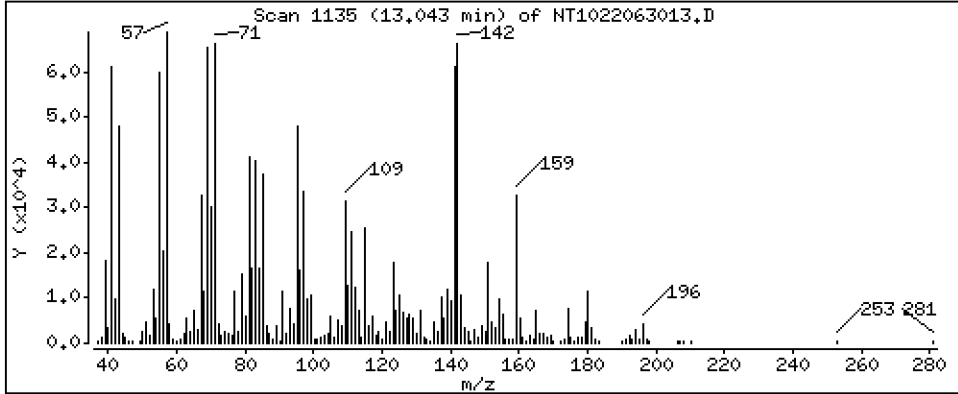
Operator: VTS

Column phase: ZB-5msi

Column diameter: 0,25

32 2-Methylnaphthalene

Concentration: 0,4921 ug/mL



Date : 30-JUN-2022 21:20

Client ID:

Instrument: nt10.i

Sample Info: 22F0267-07

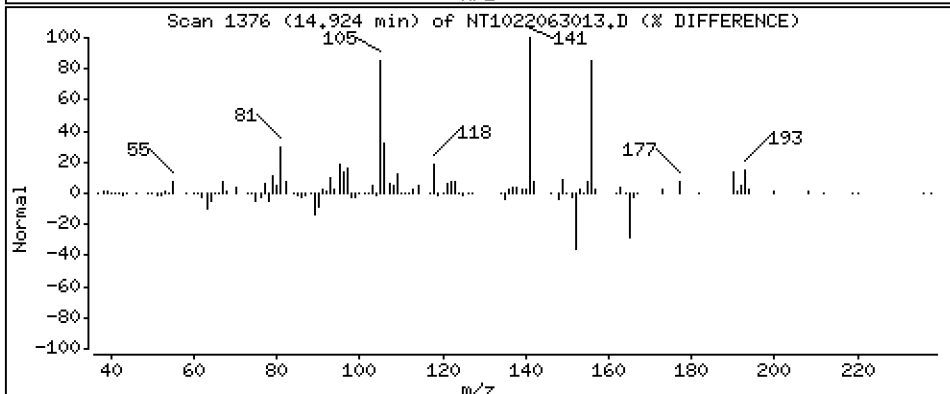
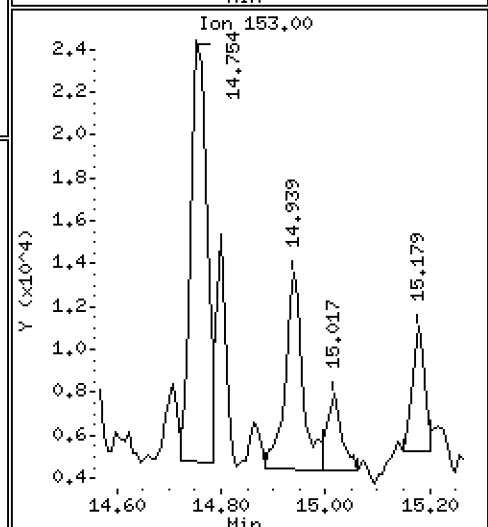
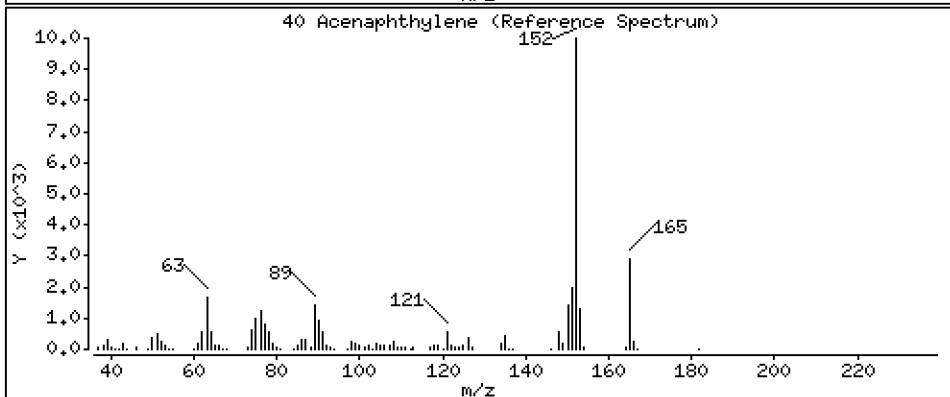
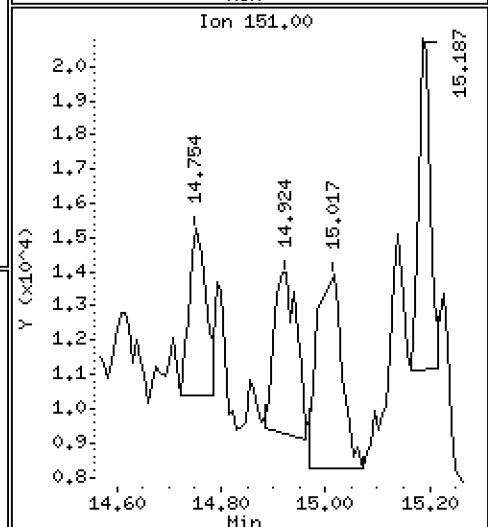
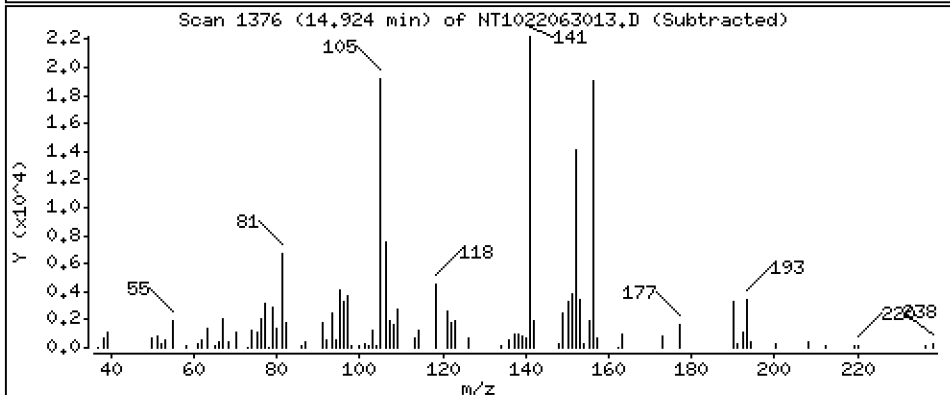
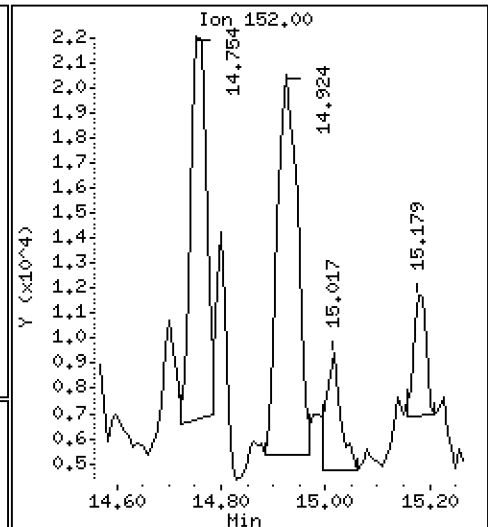
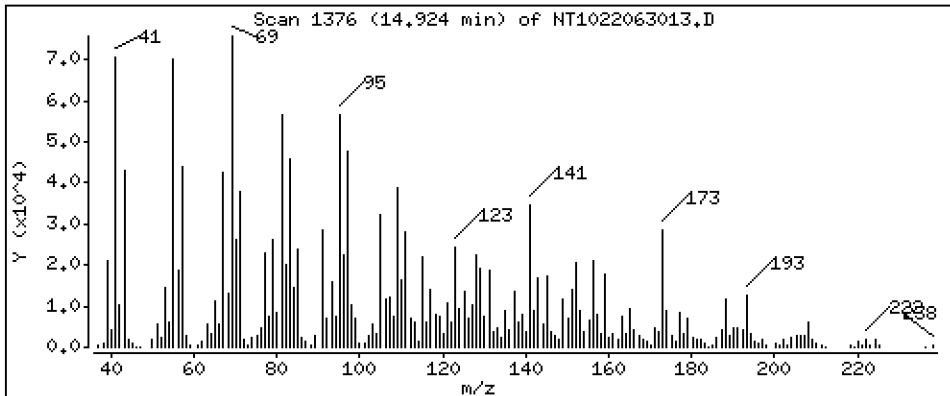
Operator: VTS

Column phase: ZB-5msi

Column diameter: 0,25

40 Acenaphthylene

Concentration: 0,2989 ug/mL



Date : 30-JUN-2022 21:20

Client ID:

Instrument: nt10.i

Sample Info: 22F0267-07

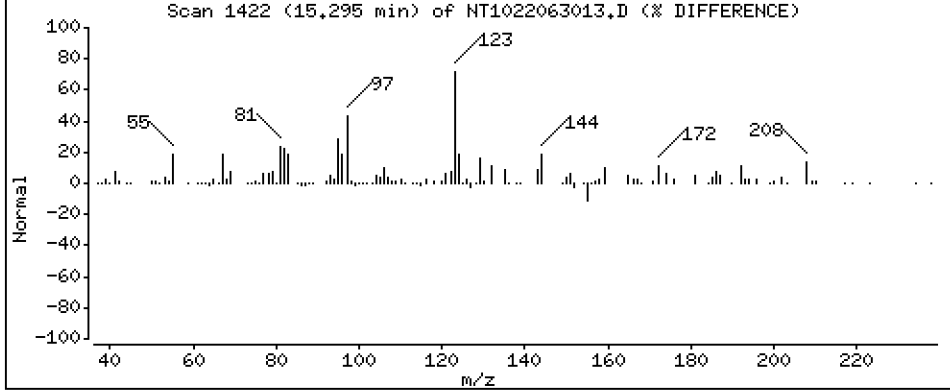
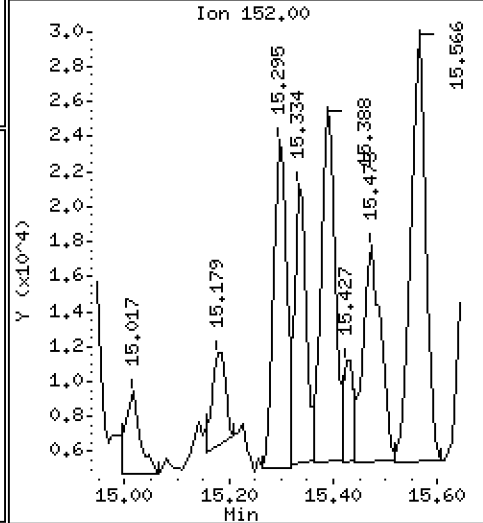
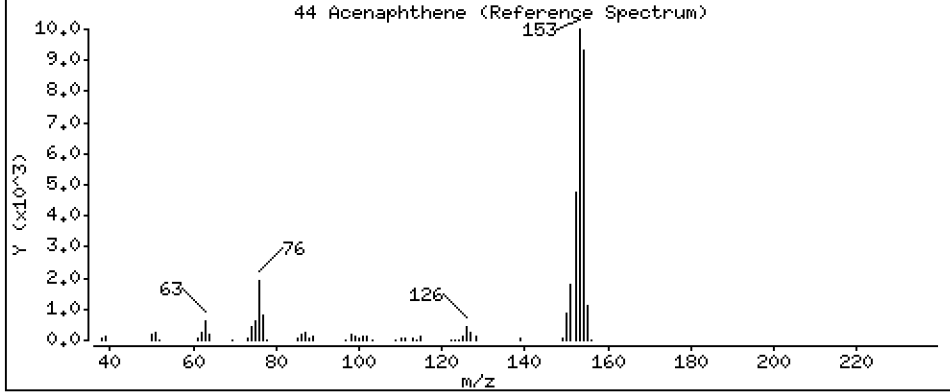
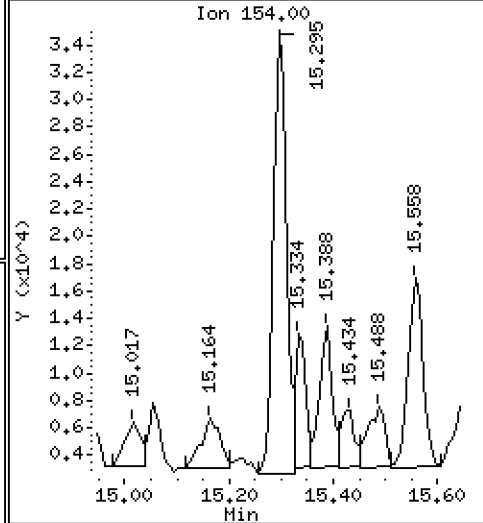
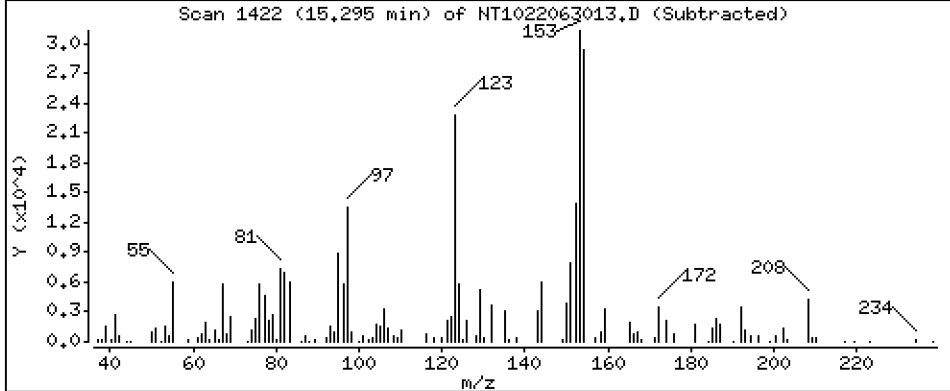
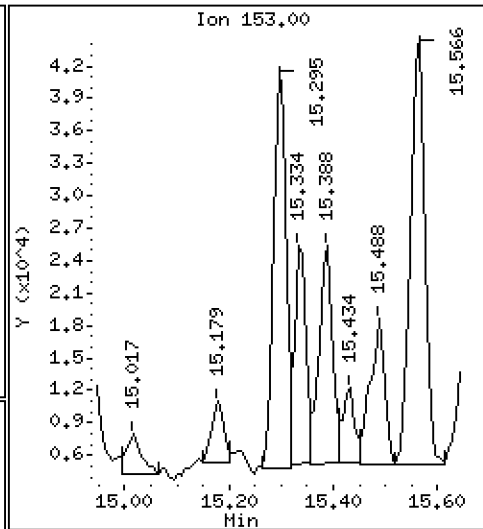
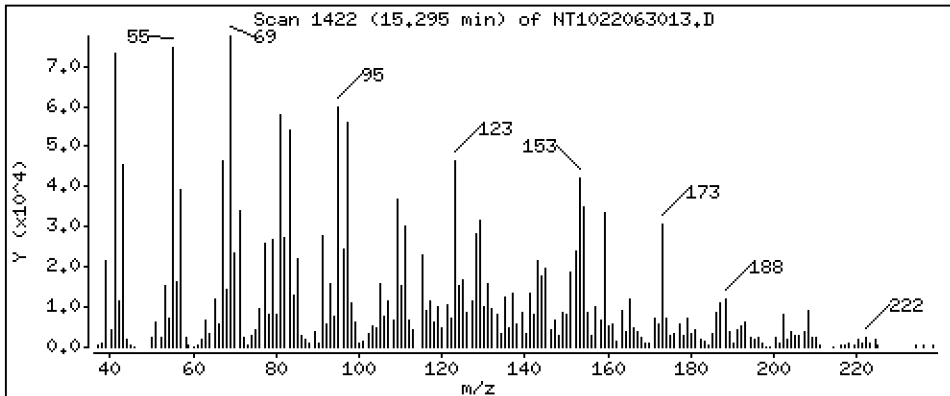
Operator: VTS

Column phase: ZB-5msi

Column diameter: 0,25

44 Acenaphthene

Concentration: 0,8681 ug/mL



Date : 30-JUN-2022 21:20

Client ID:

Instrument: nt10.i

Sample Info: 22F0267-07

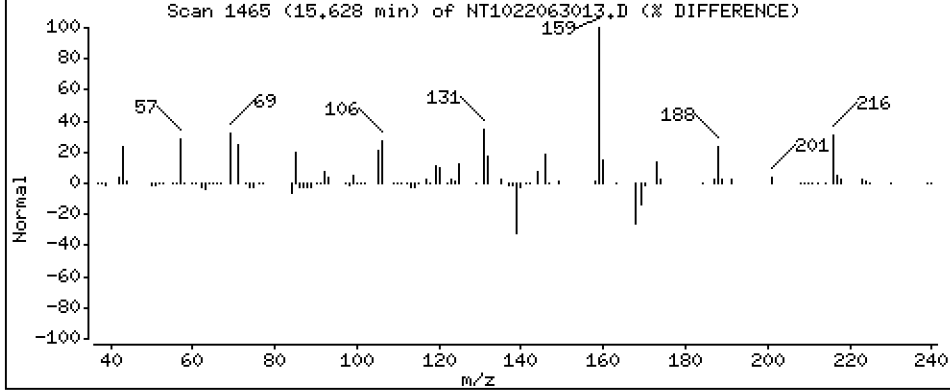
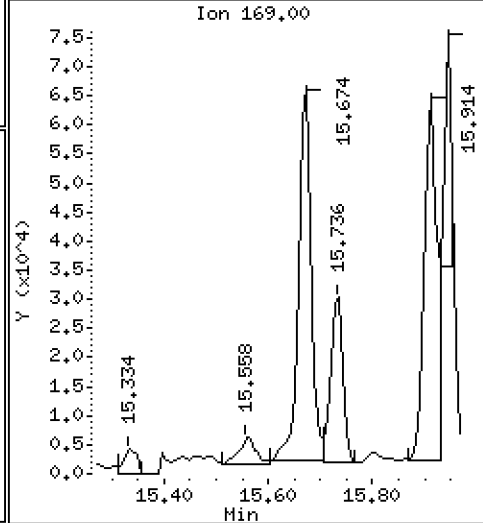
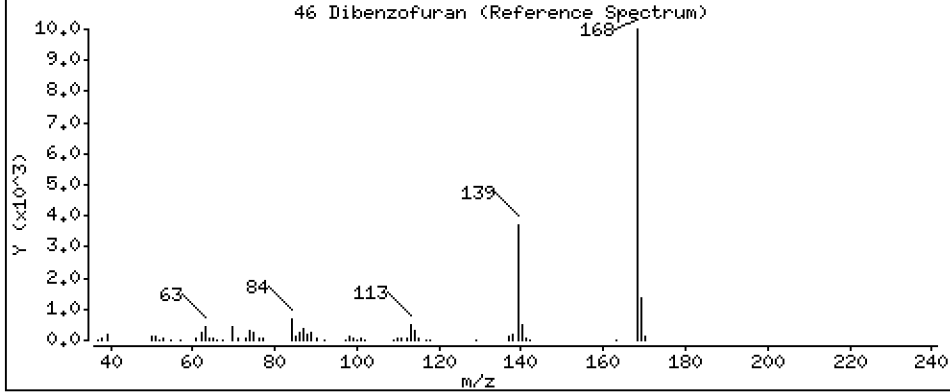
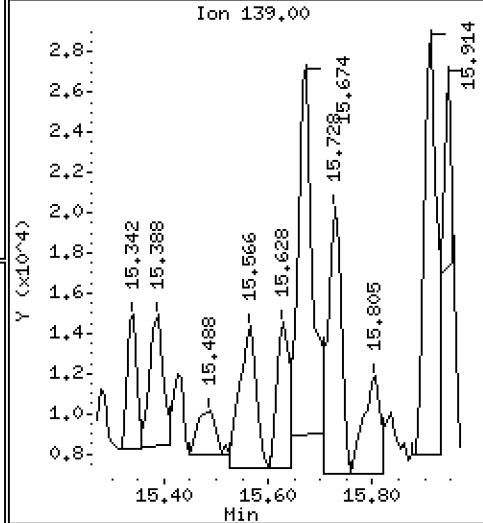
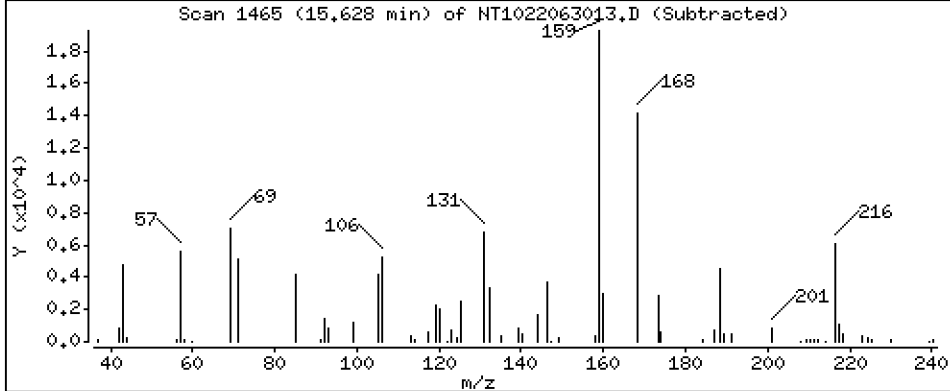
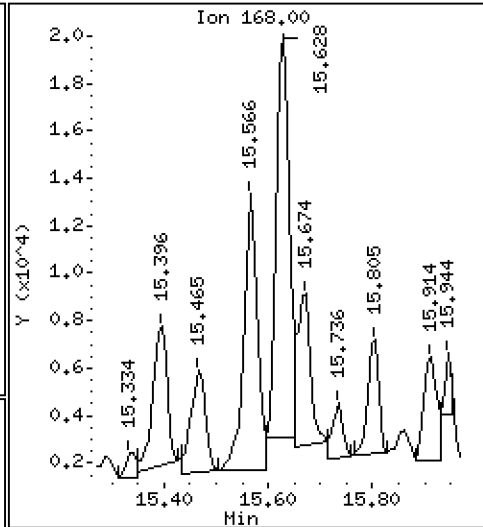
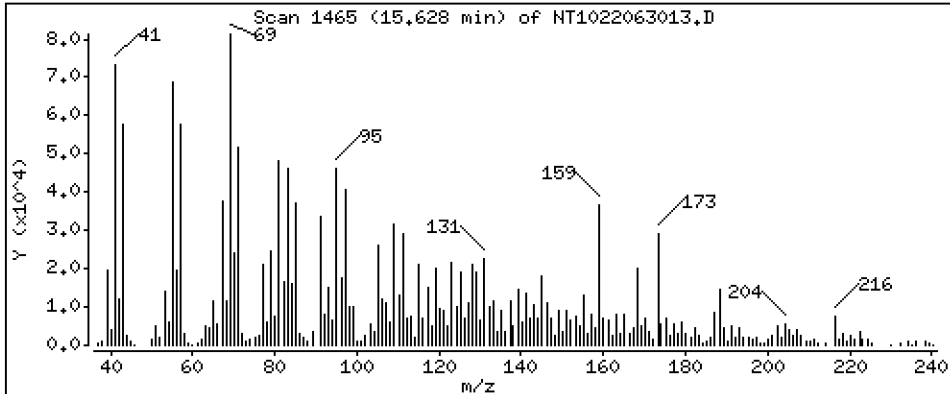
Operator: VTS

Column phase: ZB-5msi

Column diameter: 0,25

Concentration: 0,2696 ug/mL

46 Dibenzofuran



Date : 30-JUN-2022 21:20

Client ID:

Instrument: nt10.i

Sample Info: 22F0267-07

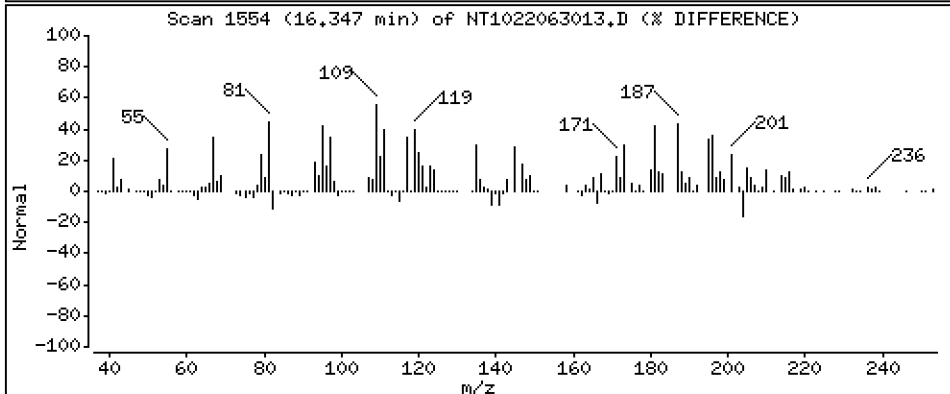
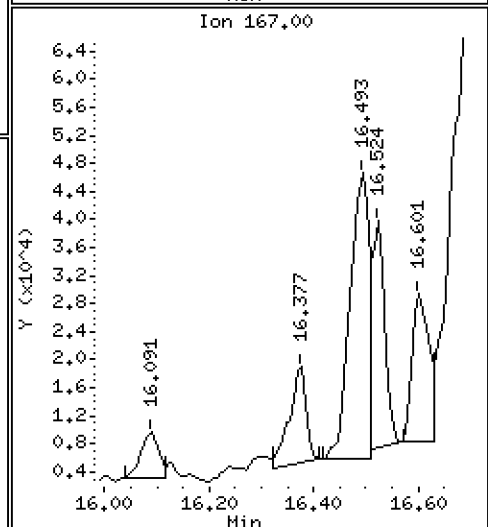
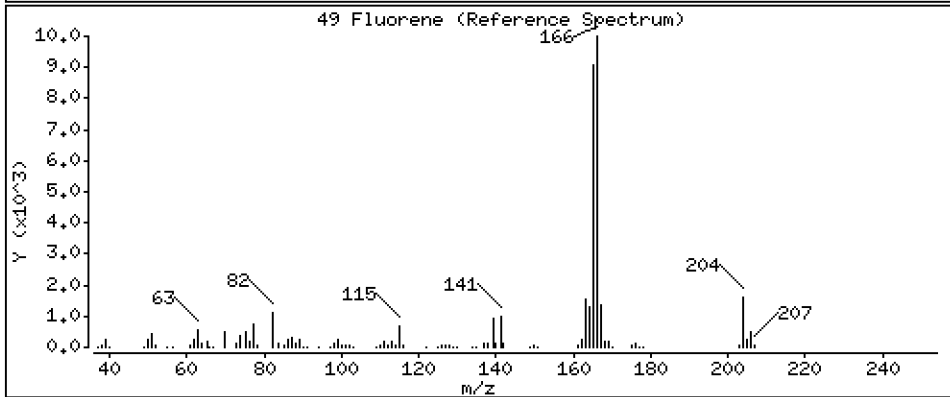
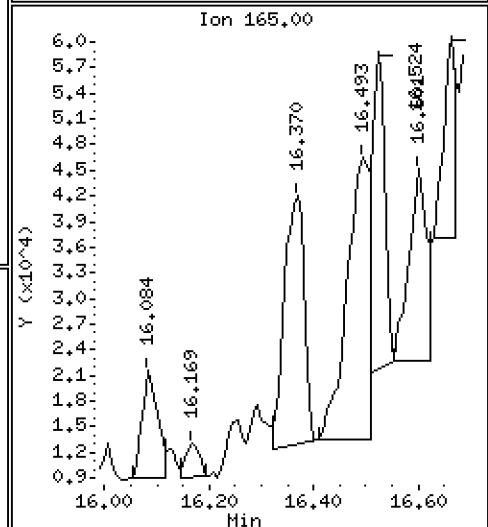
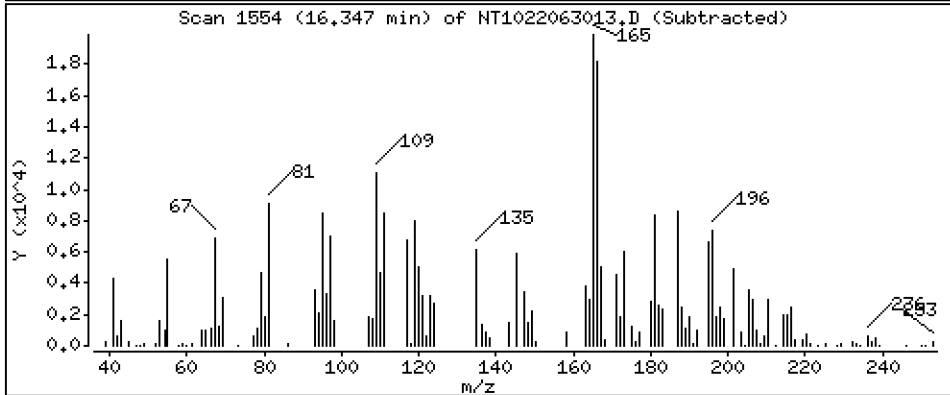
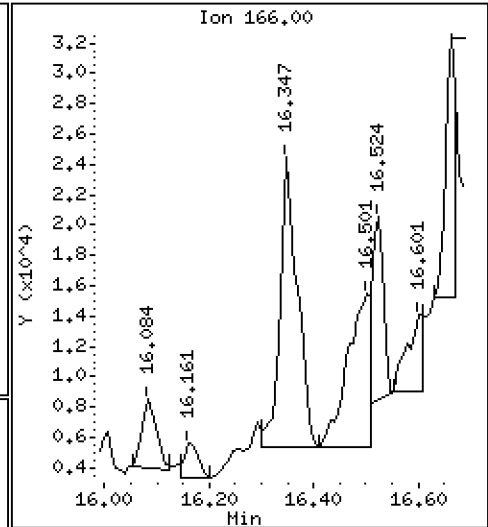
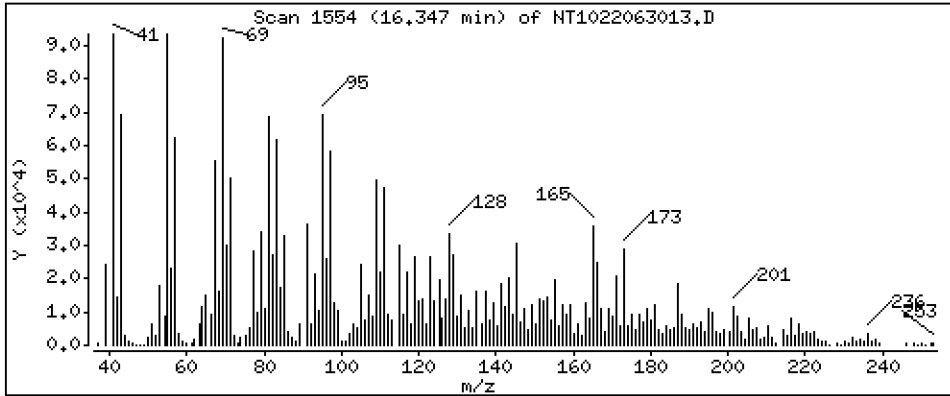
Operator: VTS

Column phase: ZB-5msi

Column diameter: 0,25

49 Fluorene

Concentration: 0,4009 ug/mL



Date : 30-JUN-2022 21:20

Client ID:

Instrument: nt10.i

Sample Info: 22F0267-07

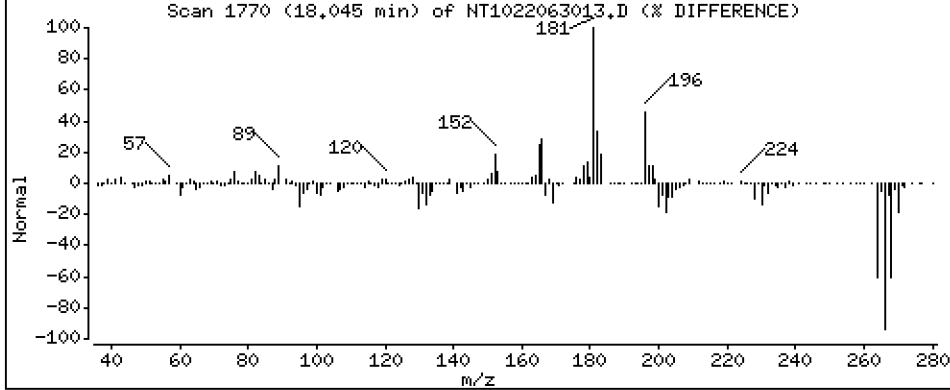
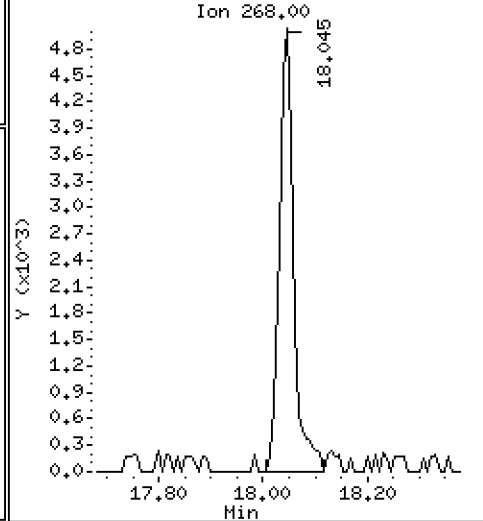
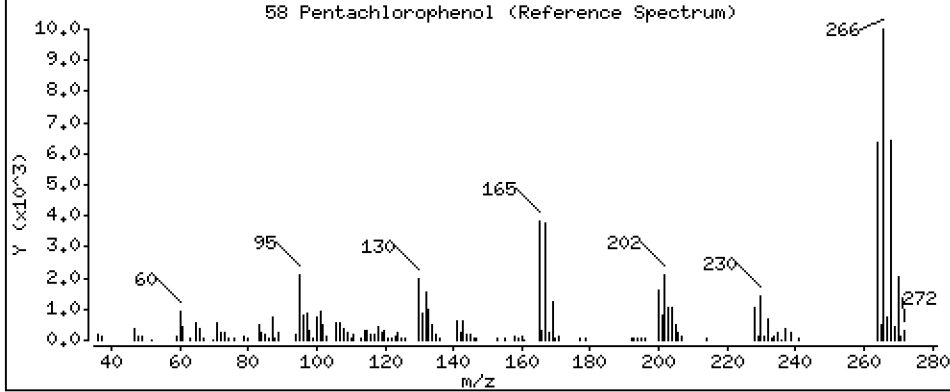
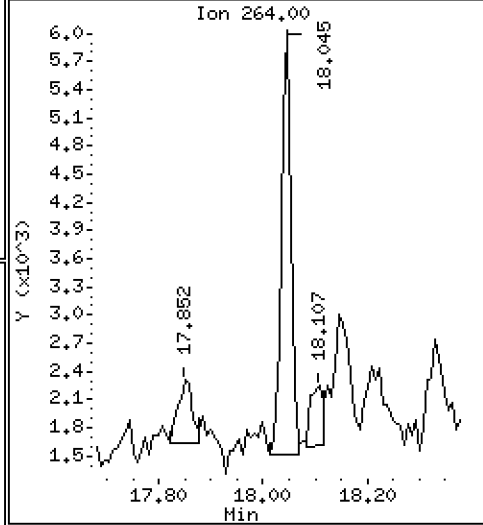
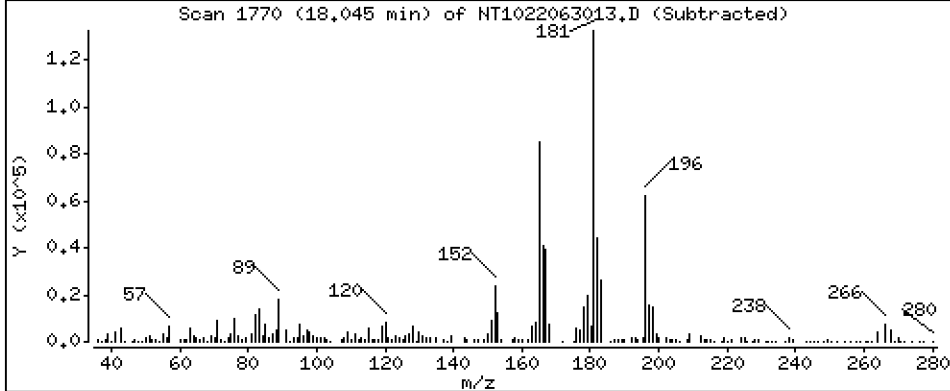
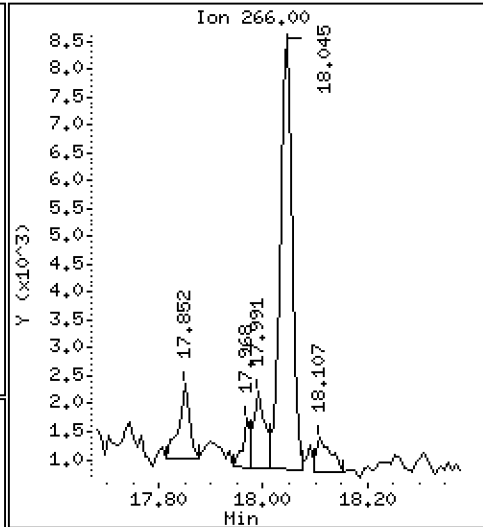
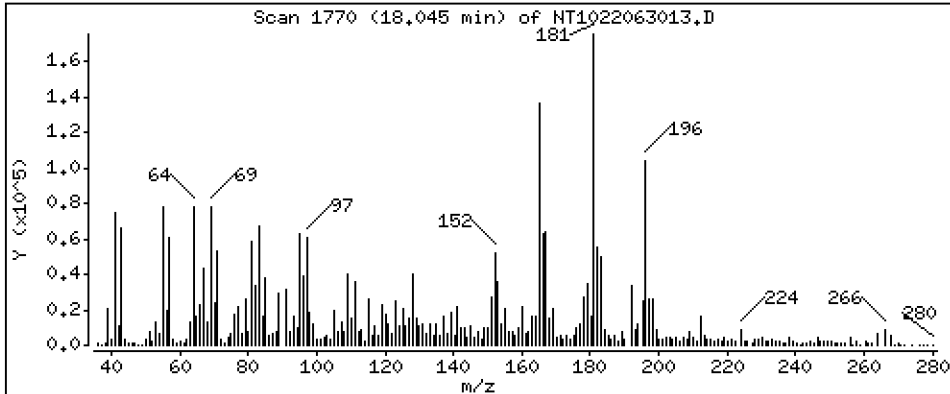
Operator: VTS

Column phase: ZB-5msi

Column diameter: 0.25

58 Pentachlorophenol

Concentration: 2.058 ug/mL



Date : 30-JUN-2022 21:20

Client ID:

Instrument: nt10.i

Sample Info: 22F0267-07

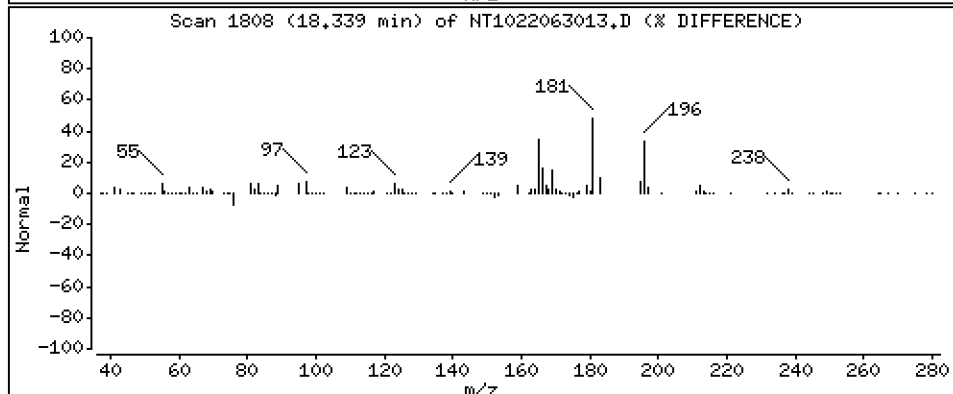
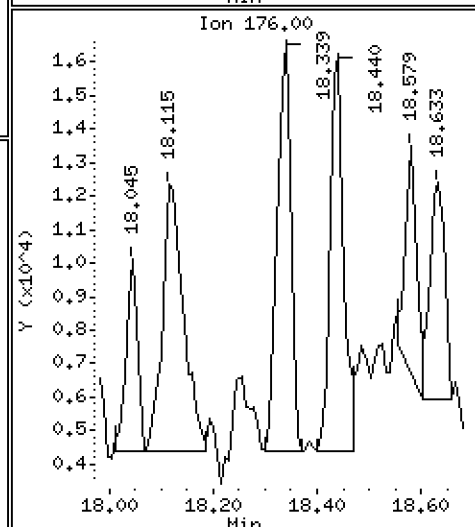
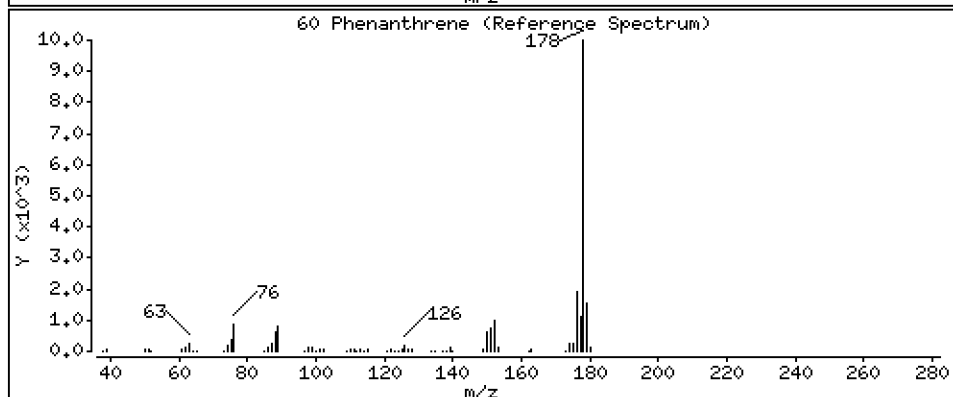
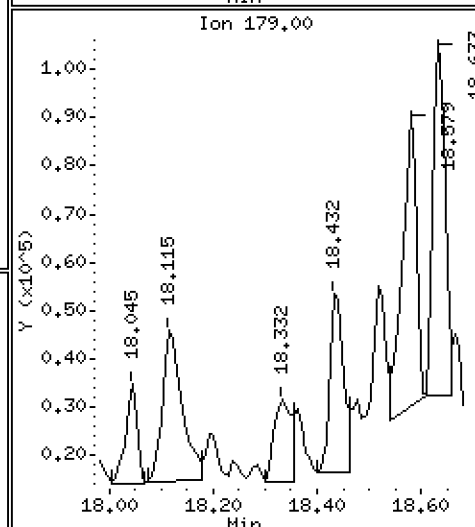
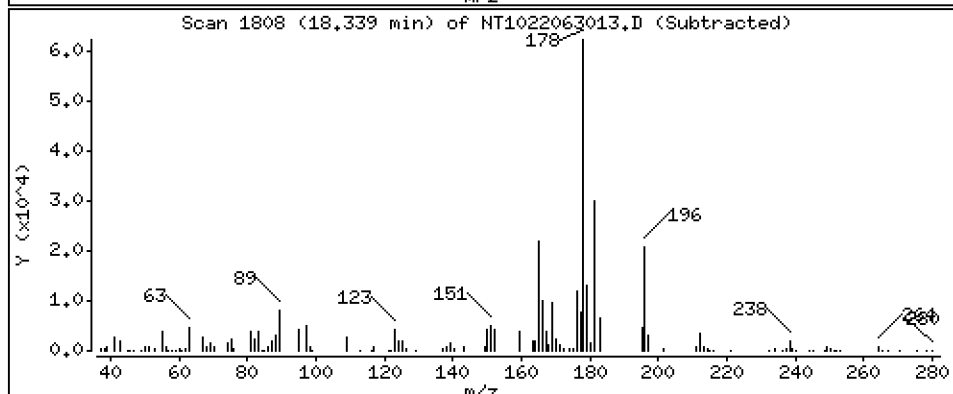
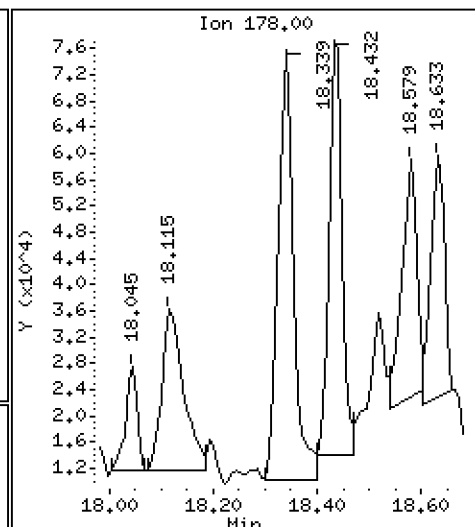
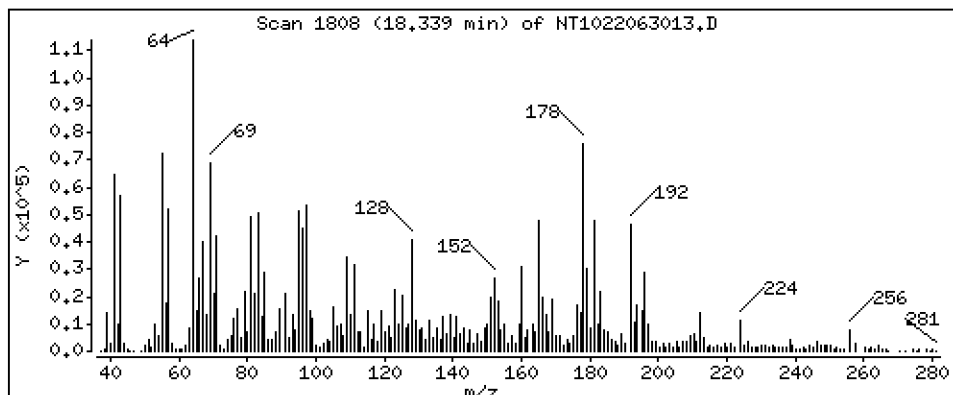
Operator: VTS

Column phase: ZB-5msi

Column diameter: 0.25

60 Phenanthrene

Concentration: 1.245 ug/mL



Date : 30-JUN-2022 21:20

Client ID:

Instrument: nt10.i

Sample Info: 22F0267-07

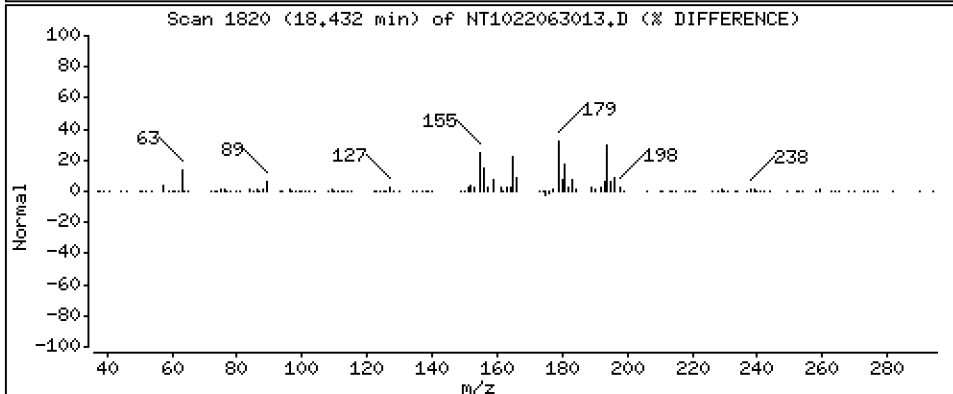
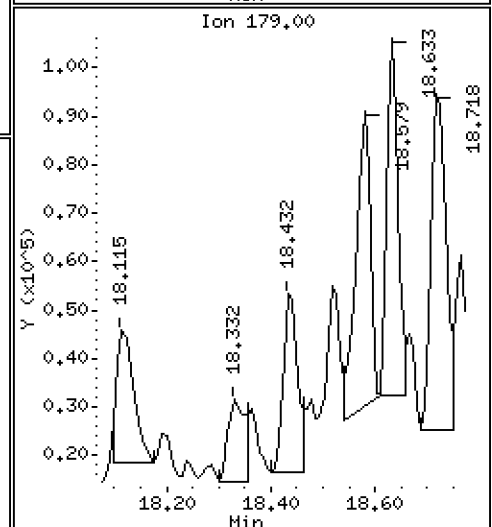
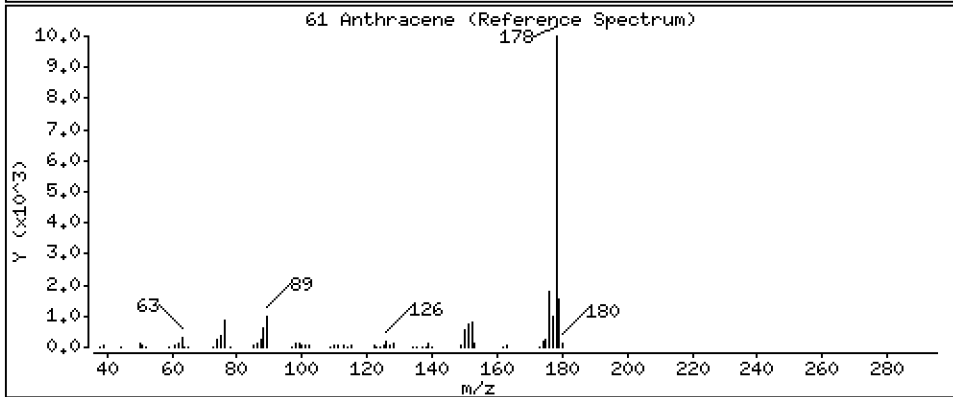
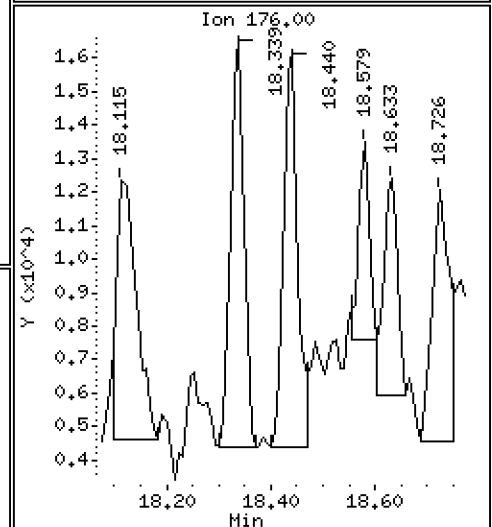
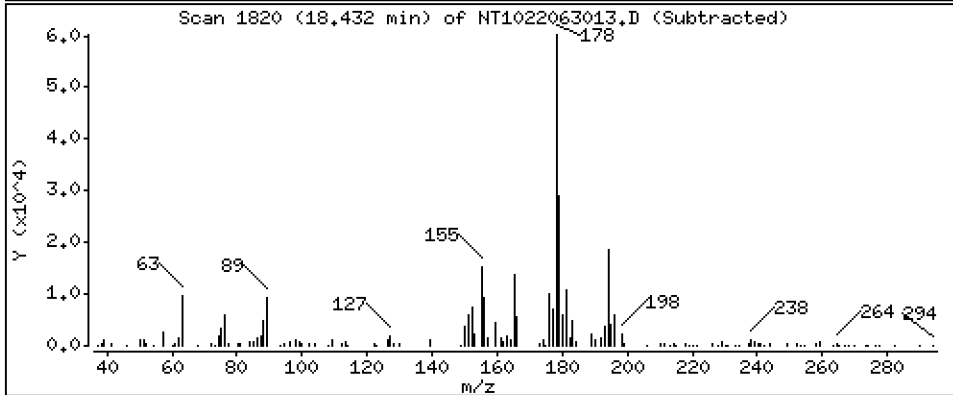
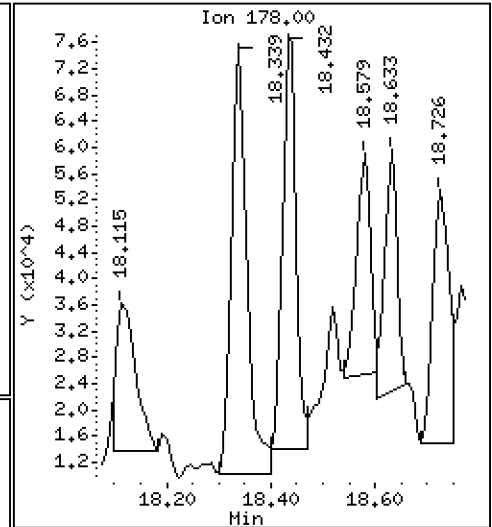
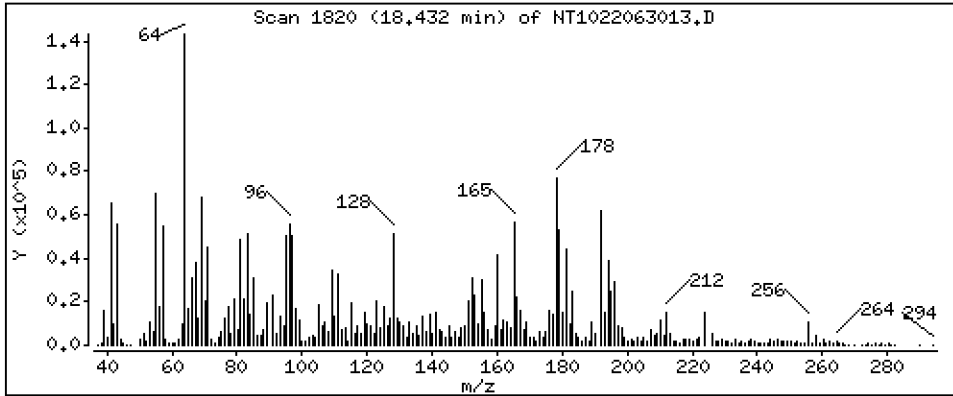
Operator: VTS

Column phase: ZB-5msi

Column diameter: 0.25

Concentration: 0.9810 ug/mL

61 Anthracene



Date : 30-JUN-2022 21:20

Client ID:

Instrument: nt10.i

Sample Info: 22F0267-07

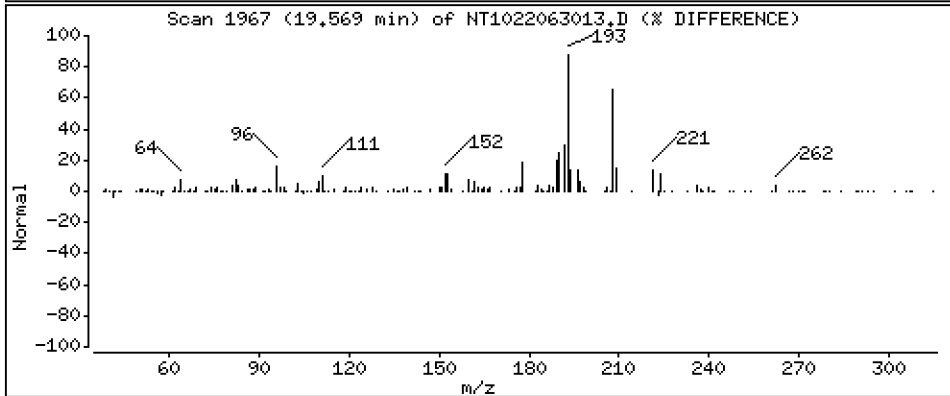
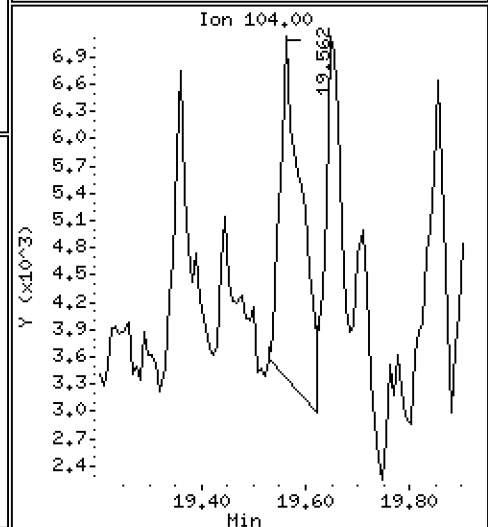
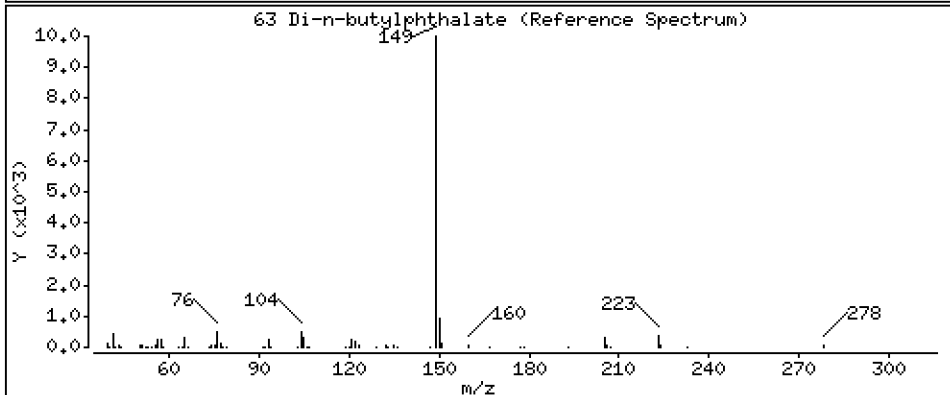
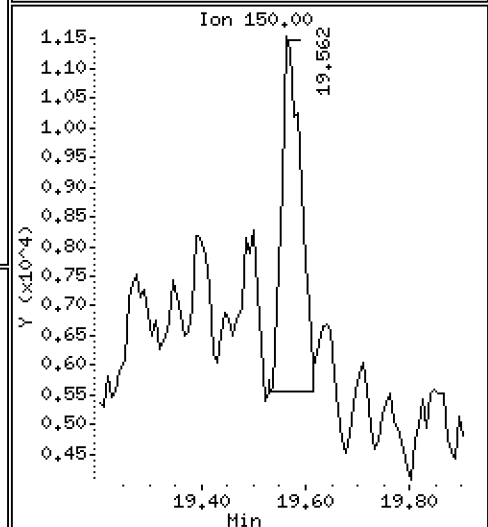
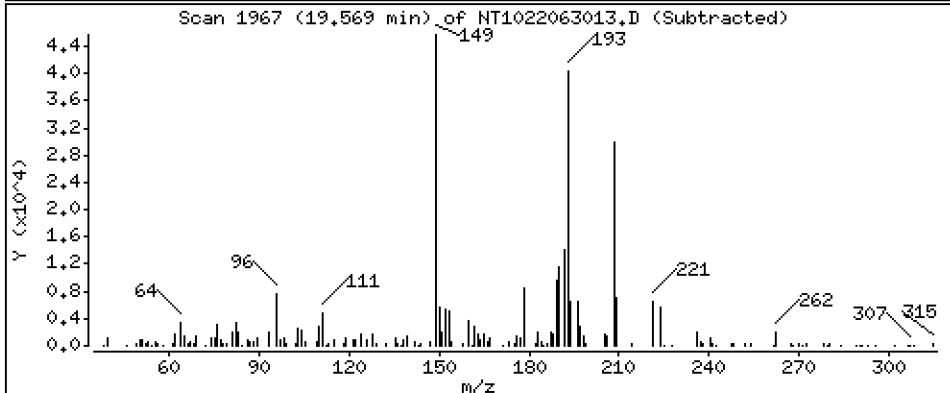
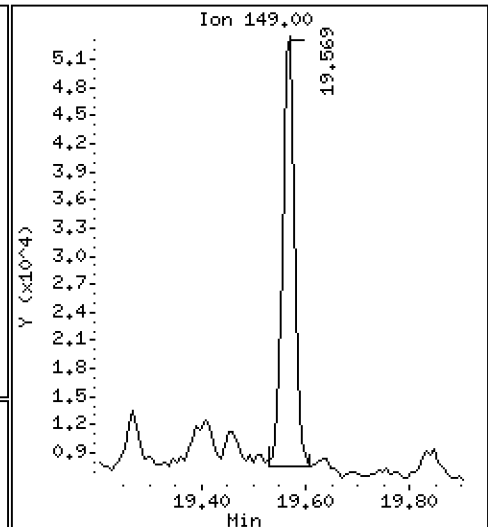
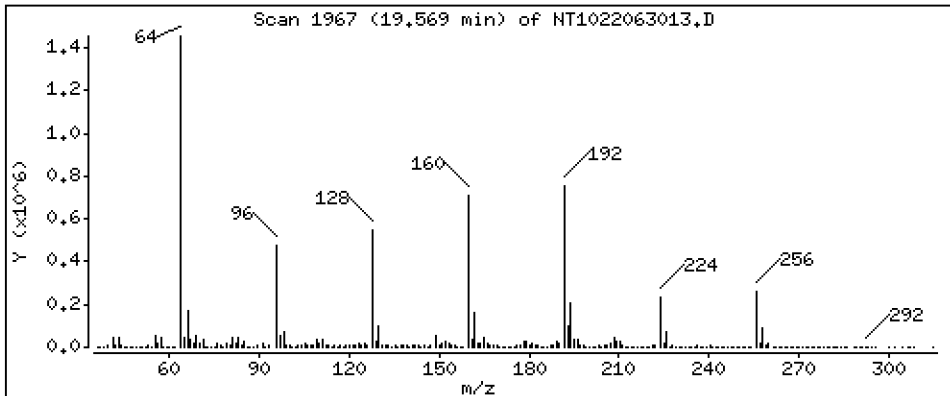
Operator: VTS

Column phase: ZB-5msi

Column diameter: 0.25

63 Di-n-butylphthalate

Concentration: 0.4706 ug/mL



Date : 30-JUN-2022 21:20

Client ID:

Instrument: nt10.i

Sample Info: 22F0267-07

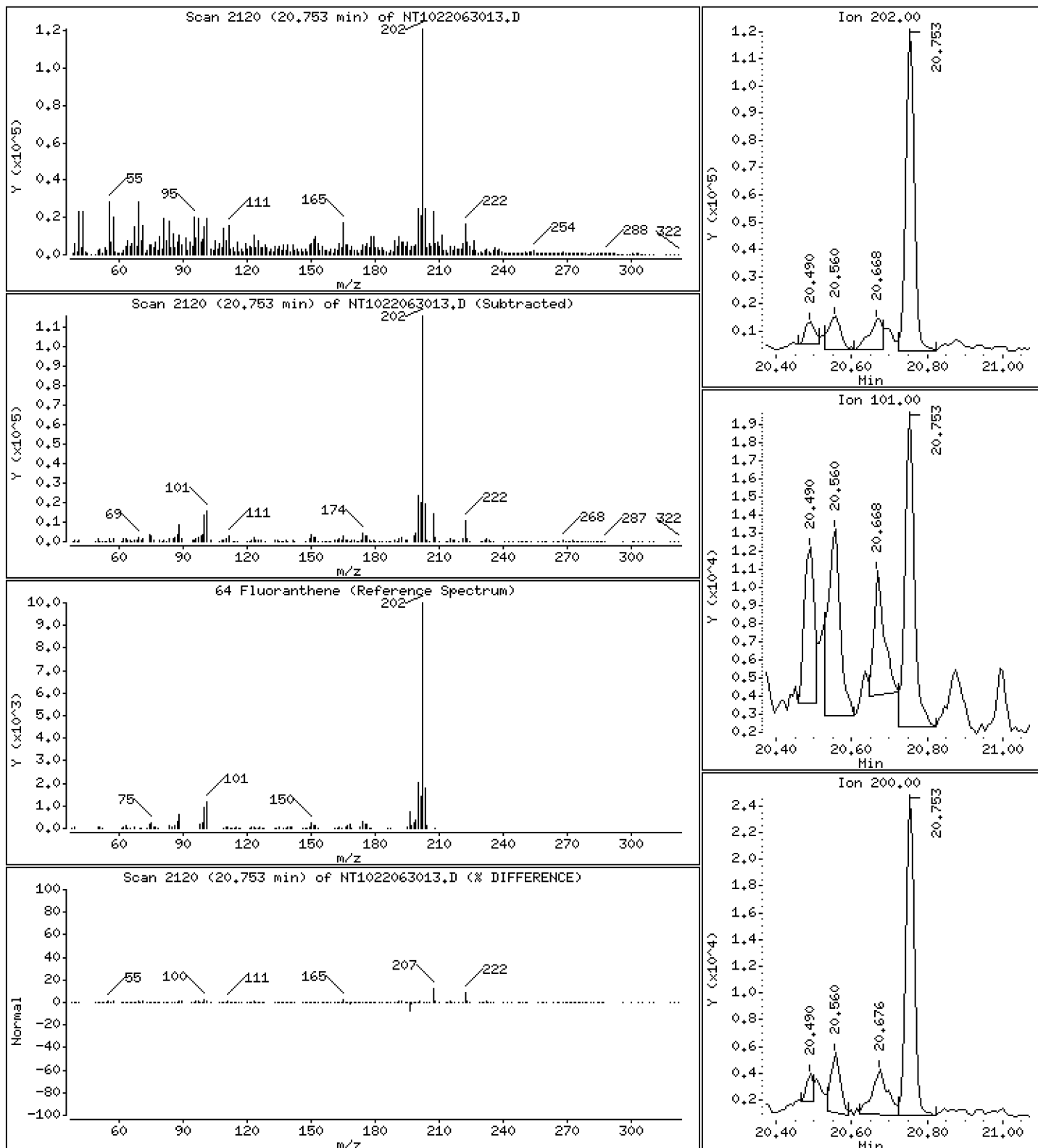
Operator: VTS

Column phase: ZB-5msi

Column diameter: 0,25

64 Fluoranthene

Concentration: 2,271 ug/mL



Date : 30-JUN-2022 21:20

Client ID:

Instrument: nt10.i

Sample Info: 22F0267-07

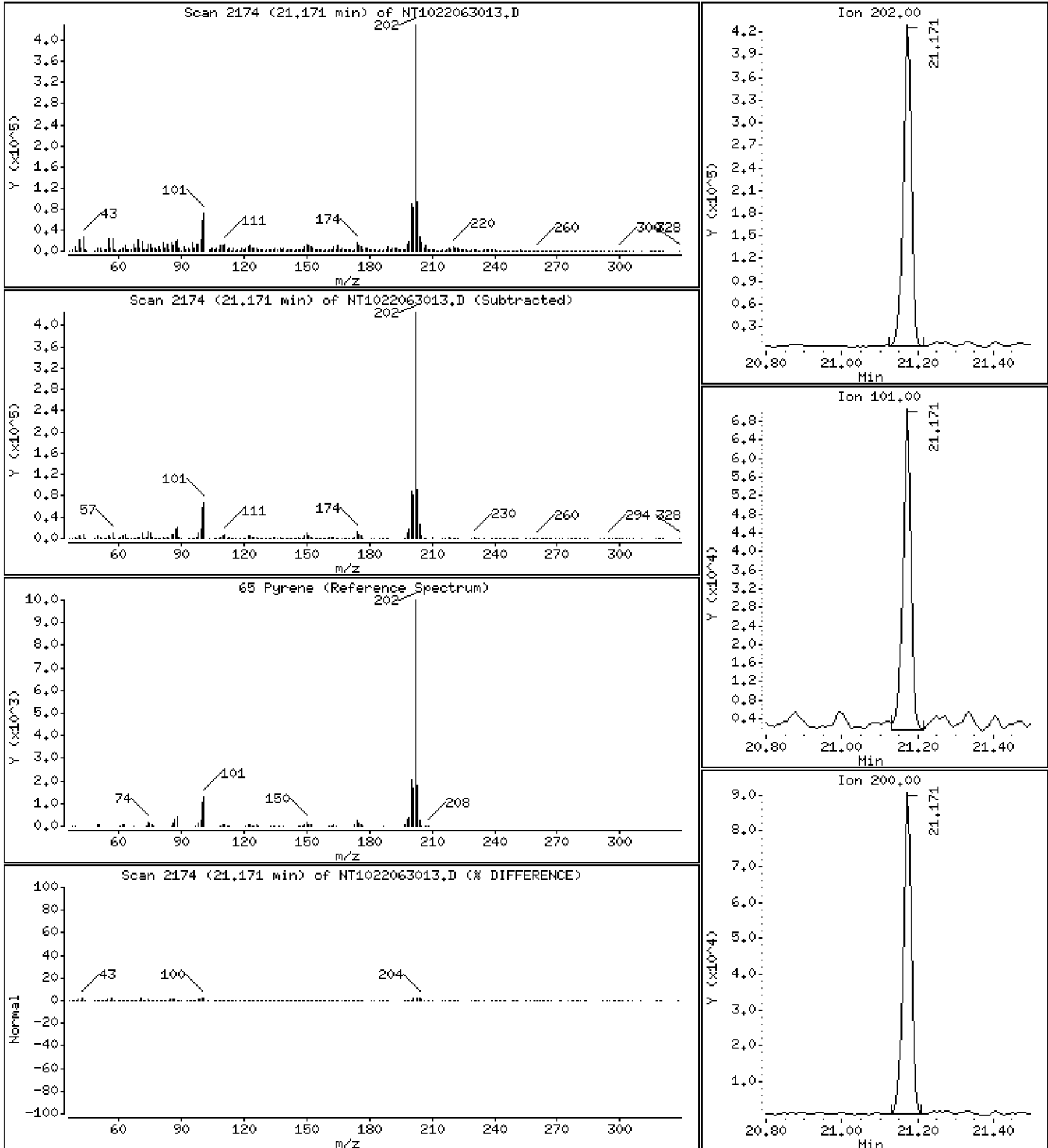
Operator: VTS

Column phase: ZB-5msi

Column diameter: 0,25

65 Pyrene

Concentration: 8,130 ug/mL



Date : 30-JUN-2022 21:20

Client ID:

Instrument: nt10.i

Sample Info: 22F0267-07

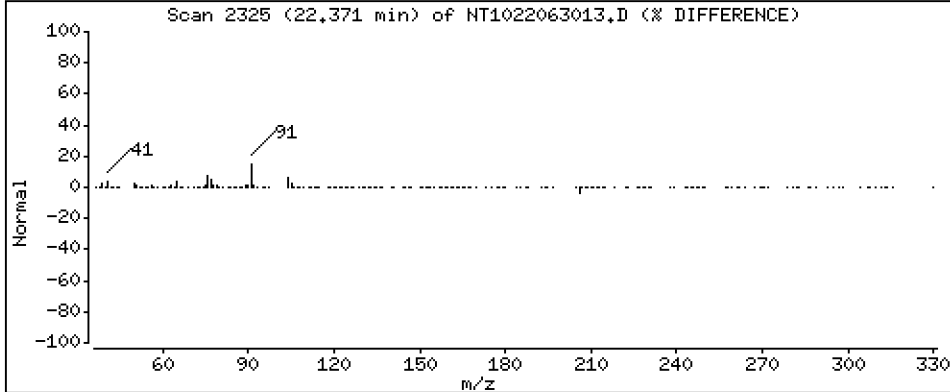
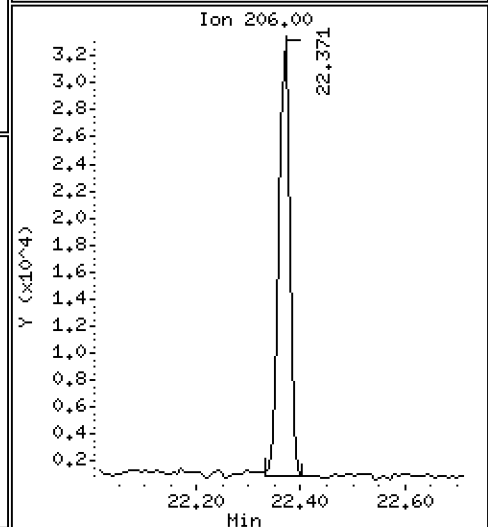
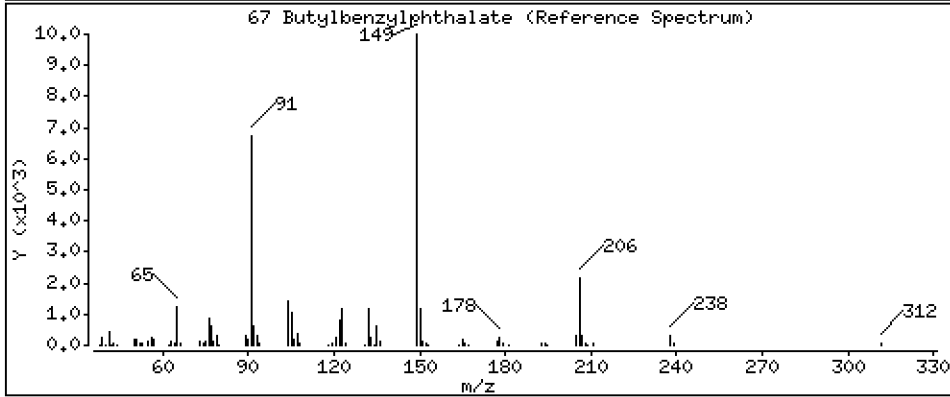
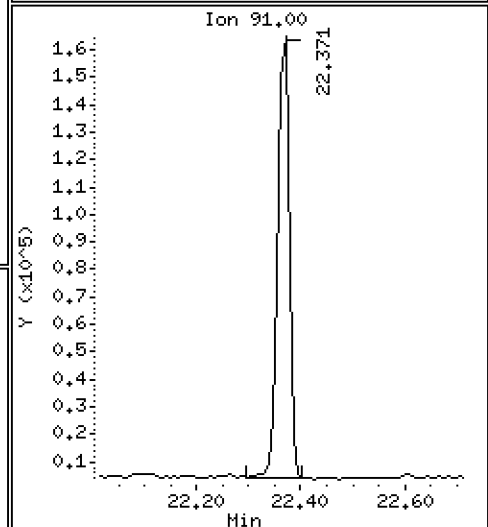
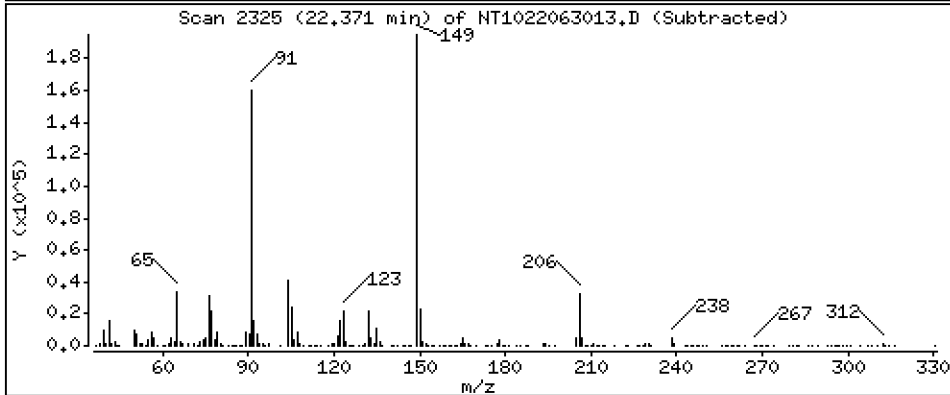
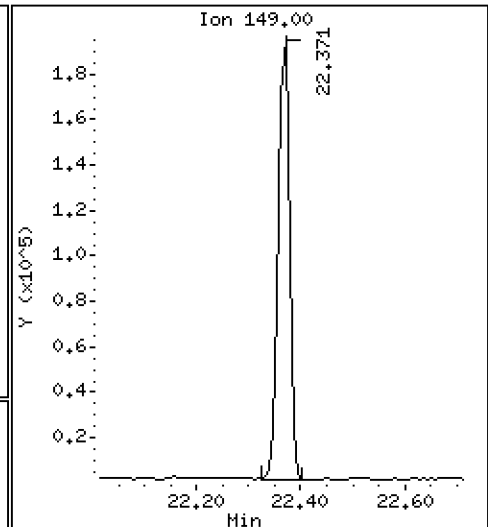
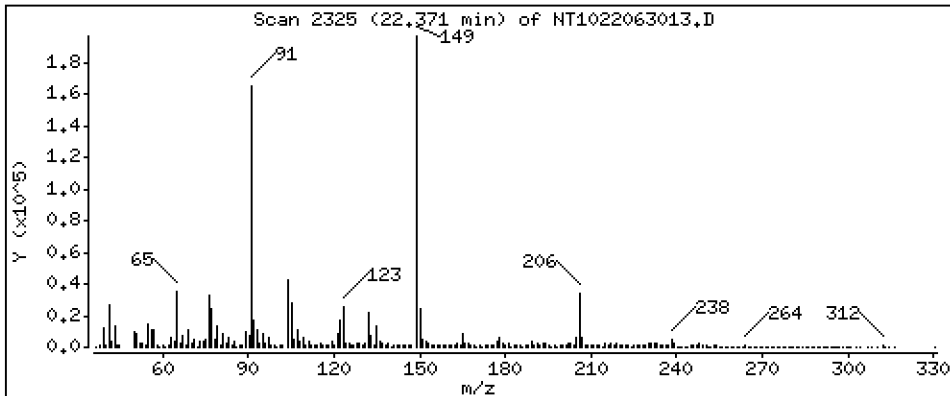
Operator: VTS

Column phase: ZB-5msi

Column diameter: 0,25

67 Butylbenzylphthalate

Concentration: 11,34 ug/mL



Date : 30-JUN-2022 21:20

Client ID:

Instrument: nt10.i

Sample Info: 22F0267-07

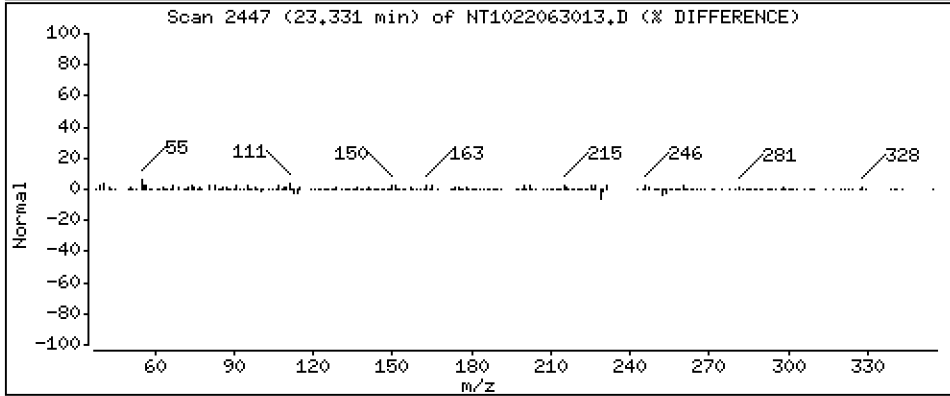
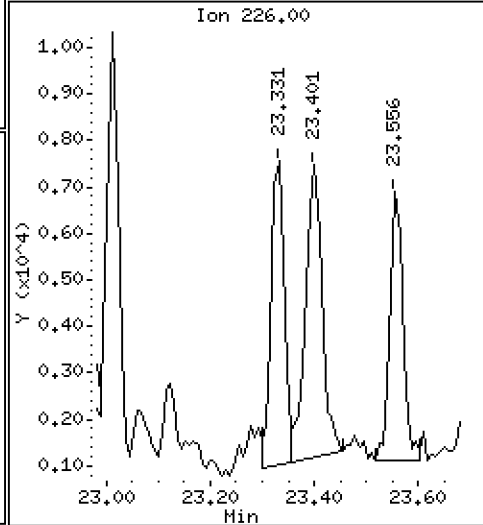
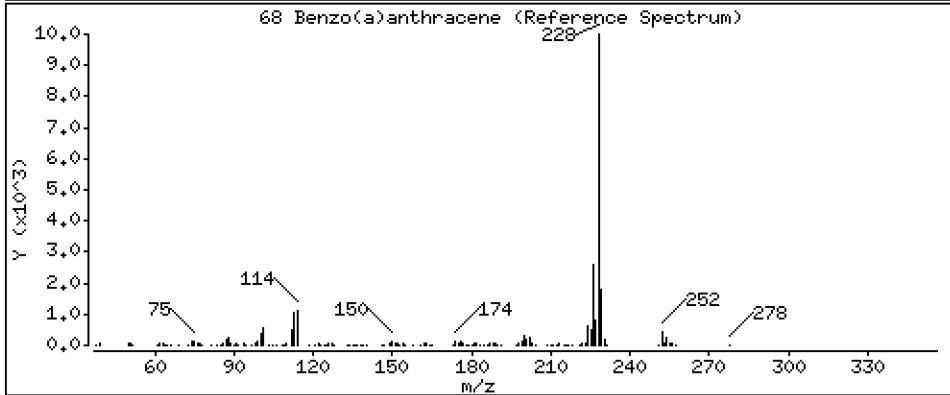
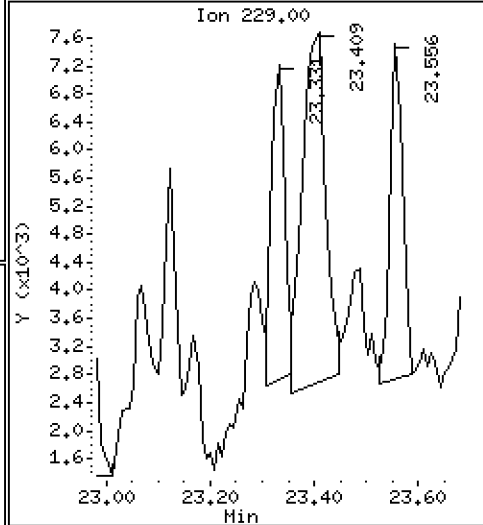
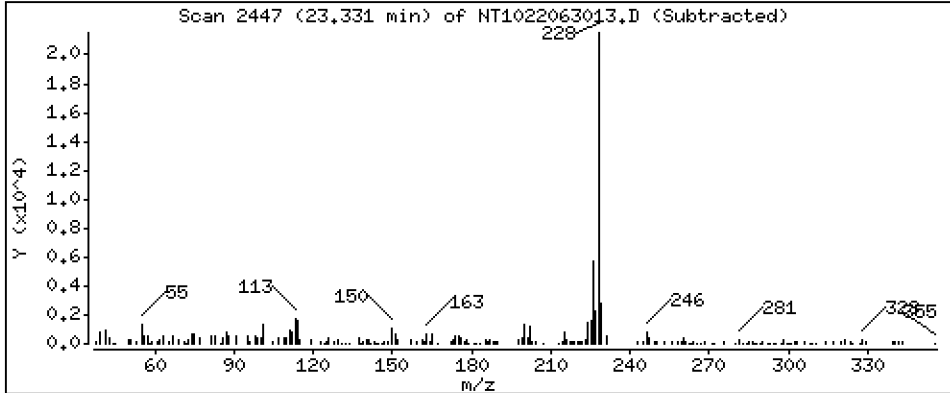
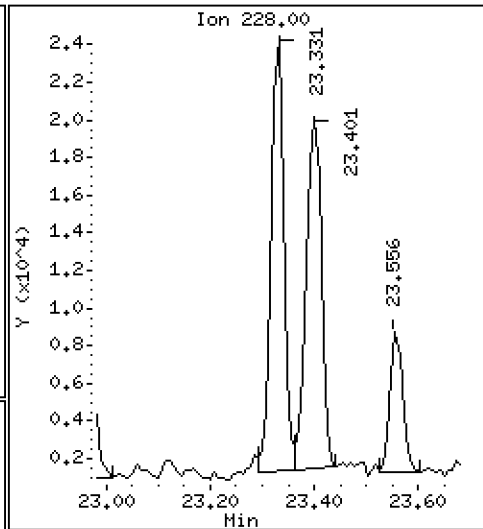
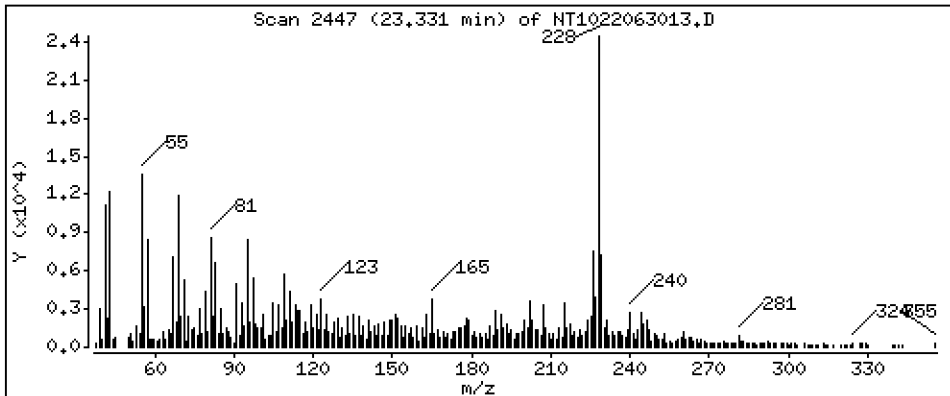
Operator: VTS

Column phase: ZB-5msi

Column diameter: 0,25

68 Benzo(a)anthracene

Concentration: 0,7399 ug/mL



Date : 30-JUN-2022 21:20

Client ID:

Instrument: nt10.i

Sample Info: 22F0267-07

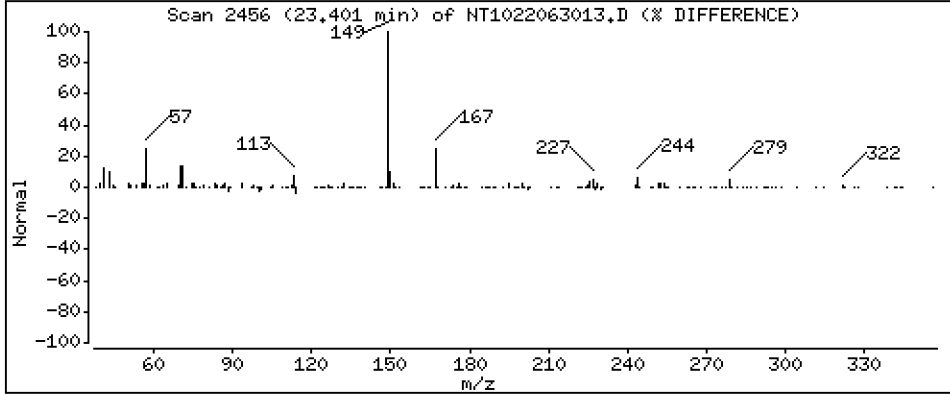
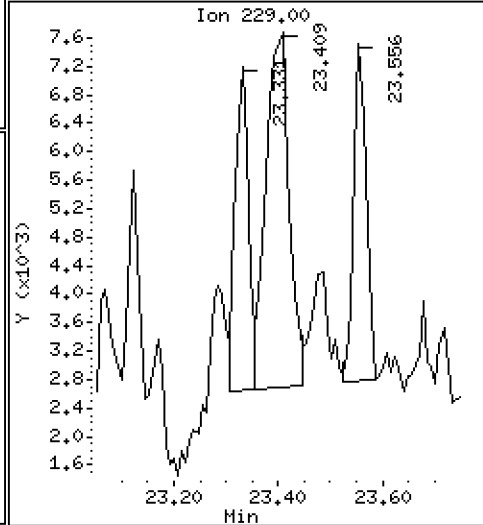
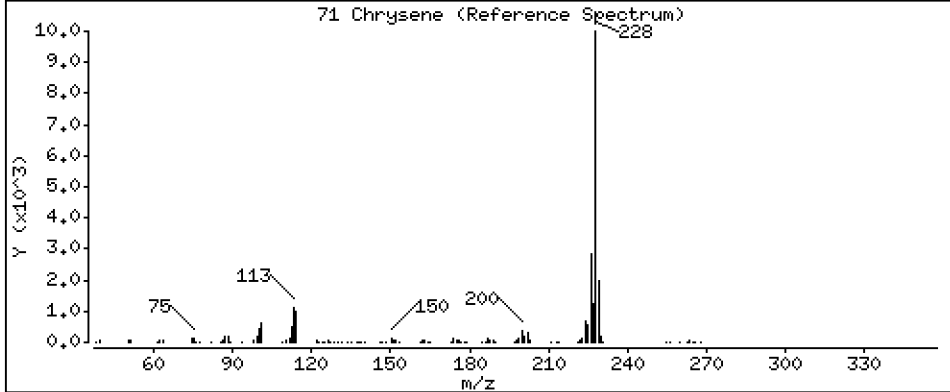
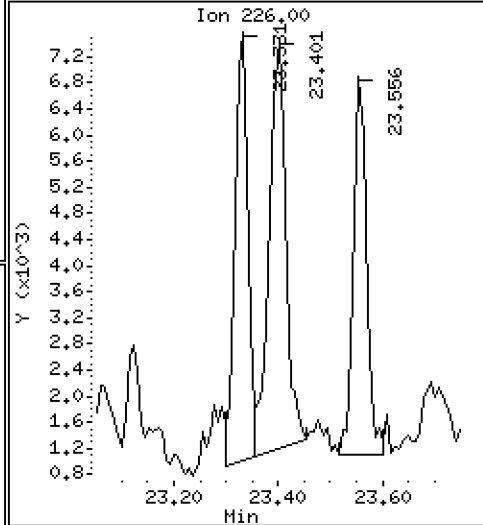
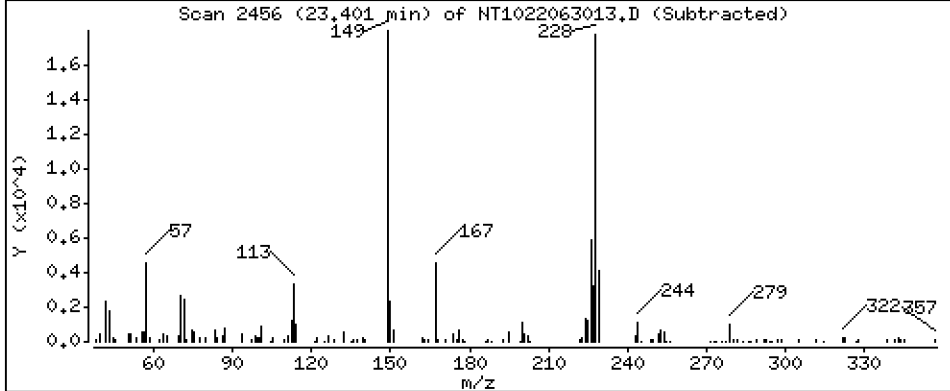
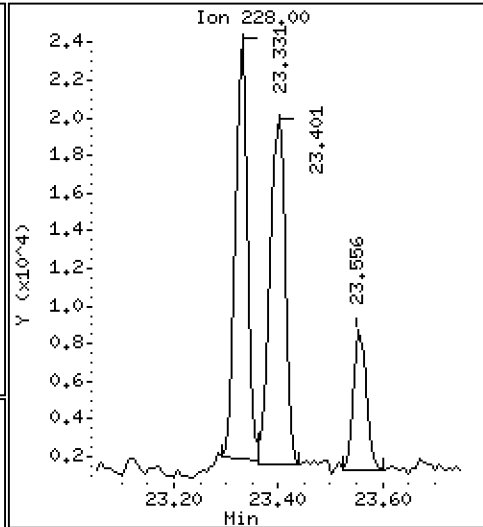
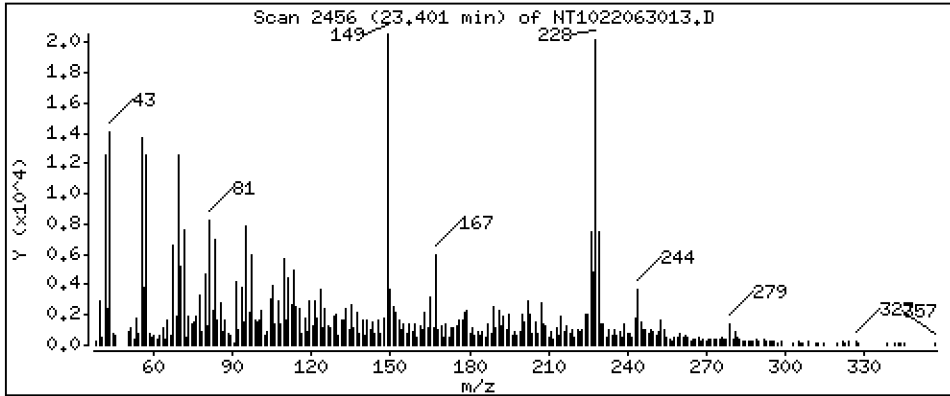
Operator: VTS

Column phase: ZB-5msi

Column diameter: 0,25

71 Chrysene

Concentration: 1,077 ug/mL



Date : 30-JUN-2022 21:20

Client ID:

Instrument: nt10.i

Sample Info: 22F0267-07

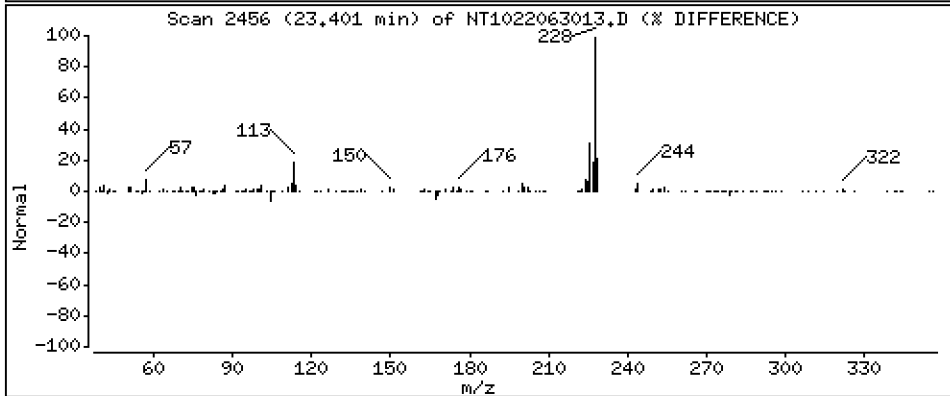
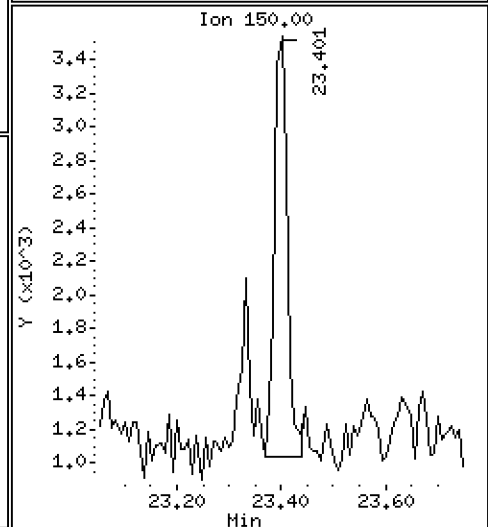
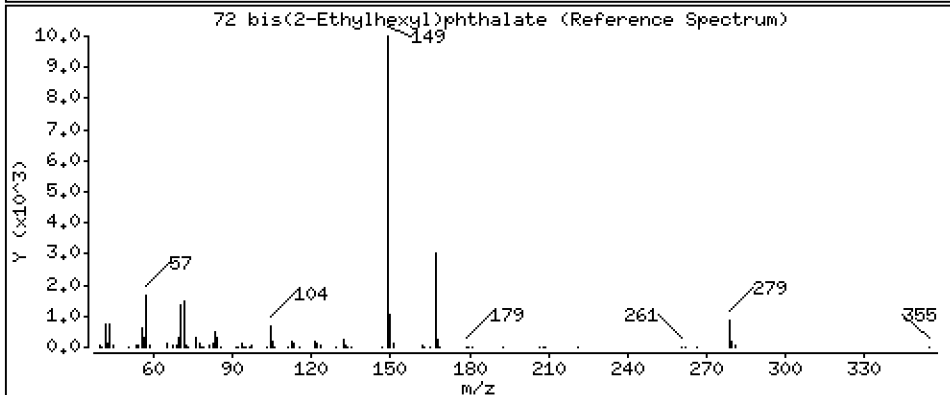
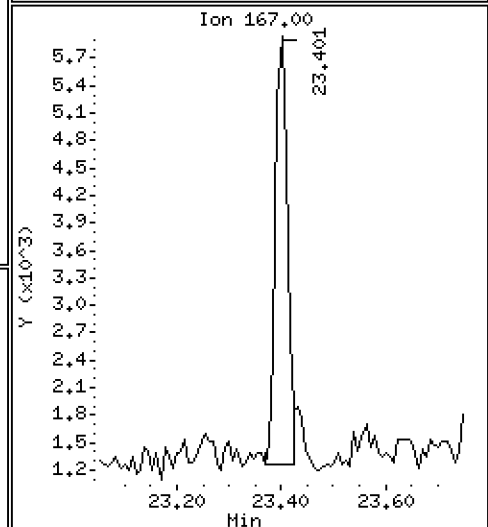
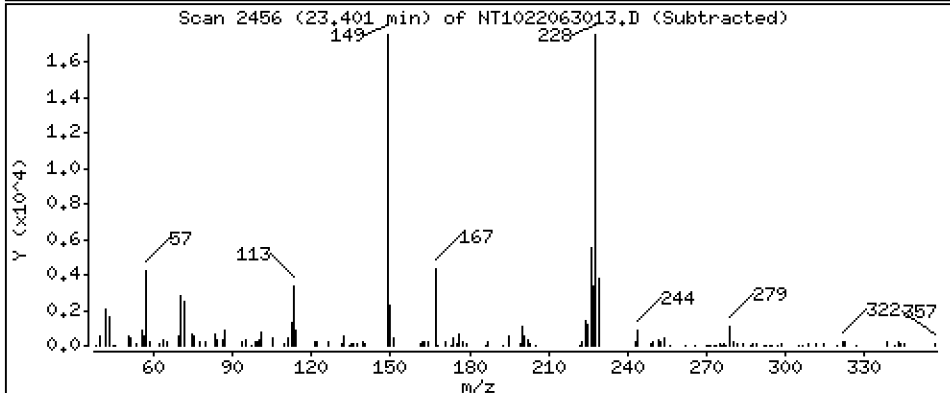
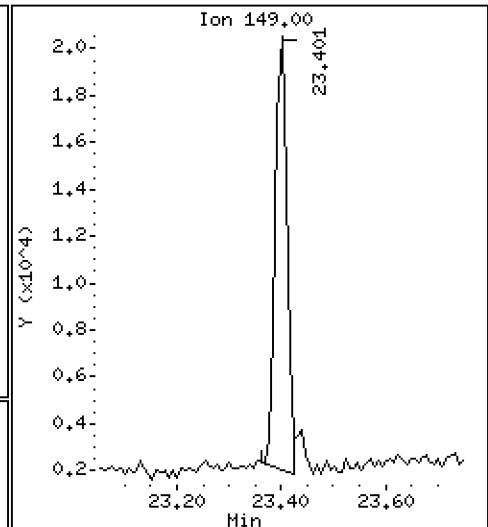
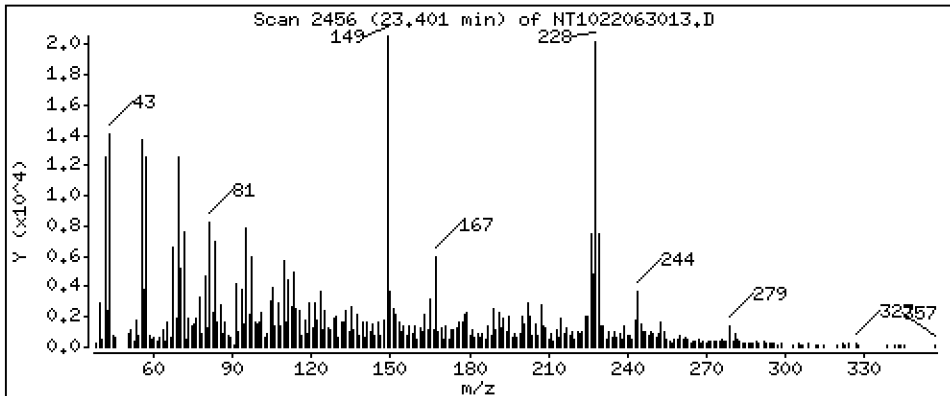
Operator: VTS

Column phase: ZB-5msi

Column diameter: 0,25

72 bis(2-Ethylhexyl)phthalate

Concentration: 0,9731 ug/mL



Date : 30-JUN-2022 21:20

Client ID:

Instrument: nt10.i

Sample Info: 22F0267-07

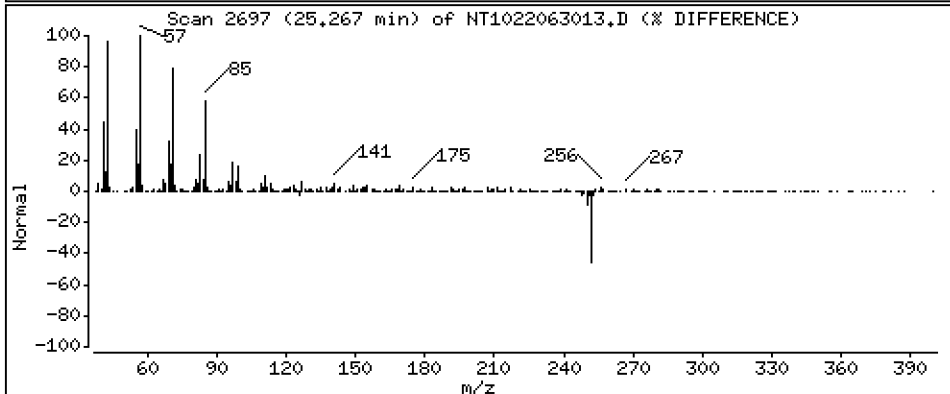
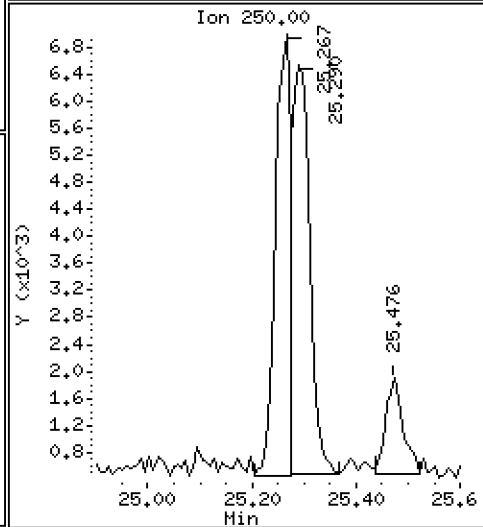
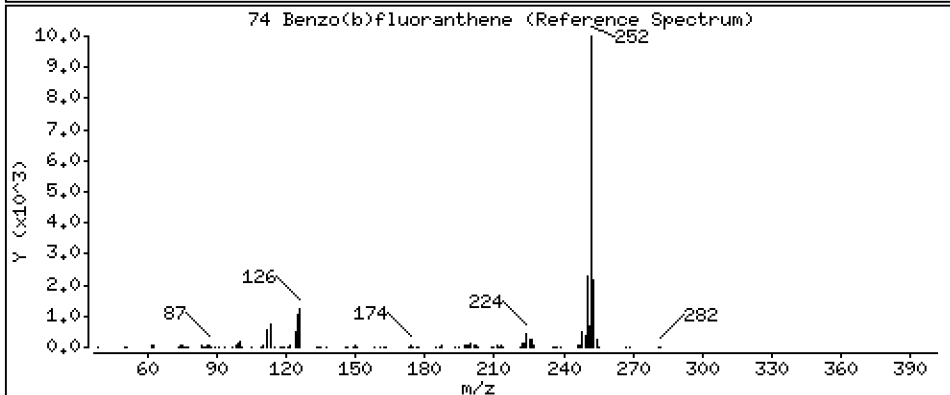
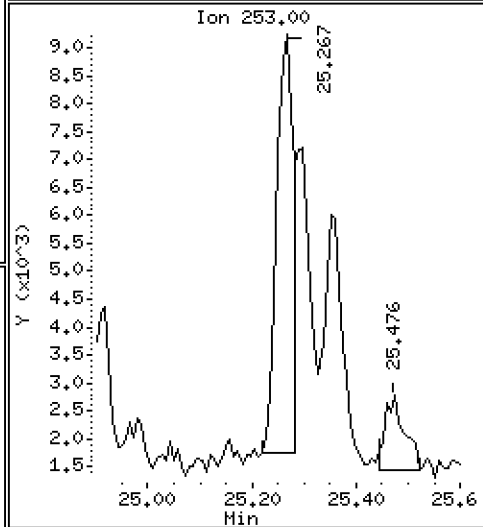
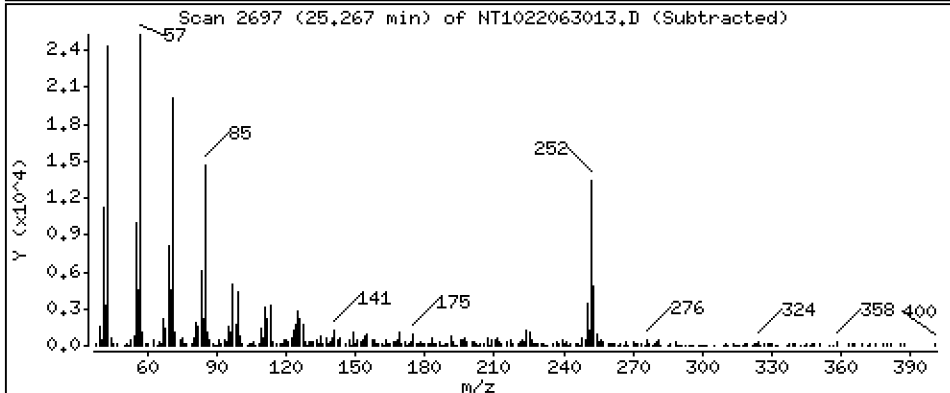
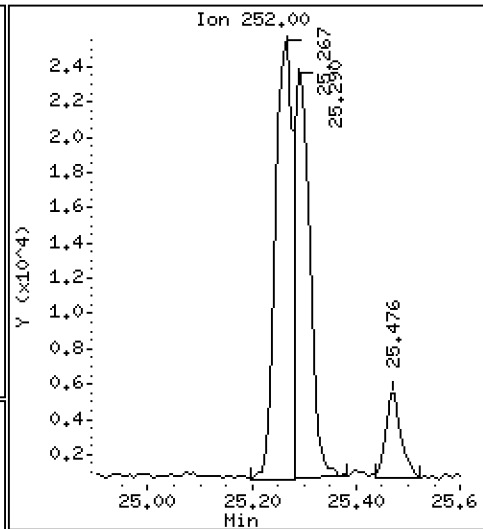
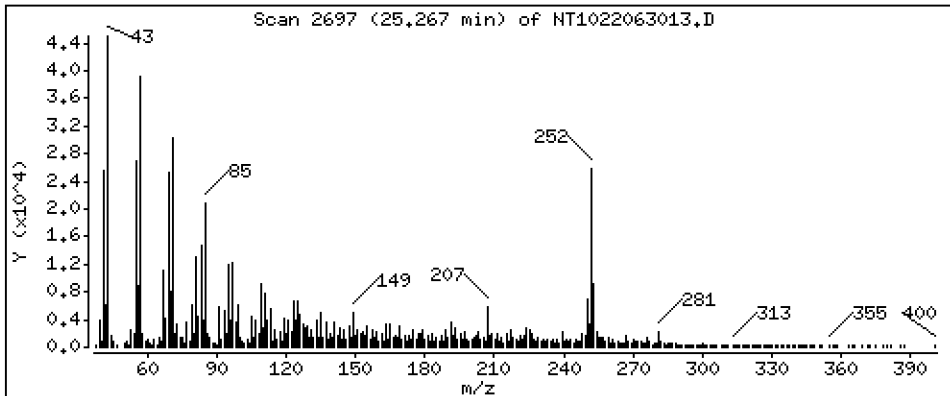
Operator: VTS

Column phase: ZB-5msi

Column diameter: 0,25

74 Benzo(b)fluoranthene

Concentration: 1,325 ug/mL



Date : 30-JUN-2022 21:20

Client ID:

Instrument: nt10.i

Sample Info: 22F0267-07

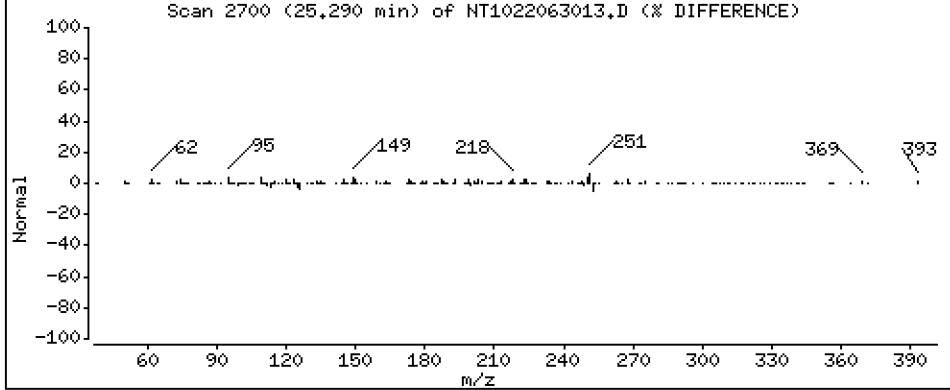
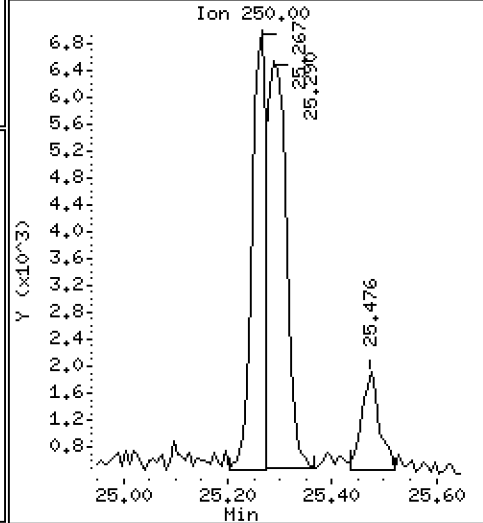
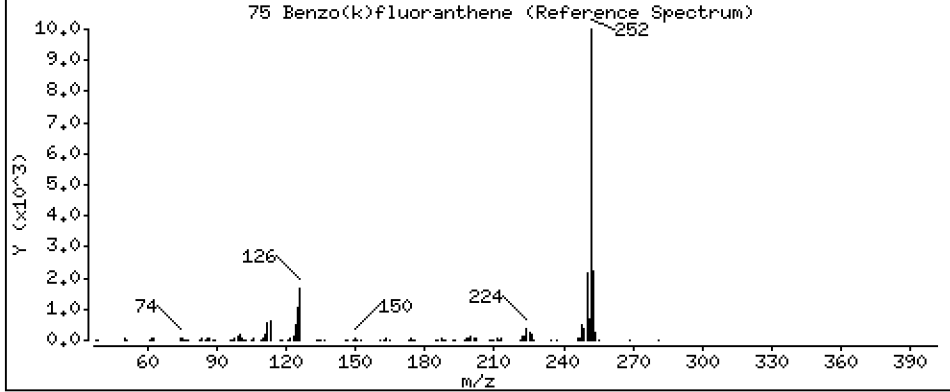
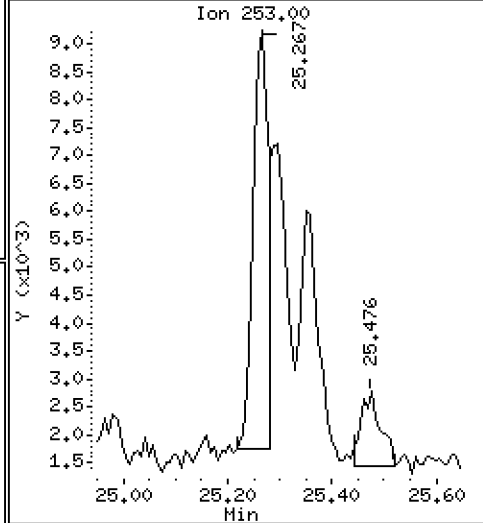
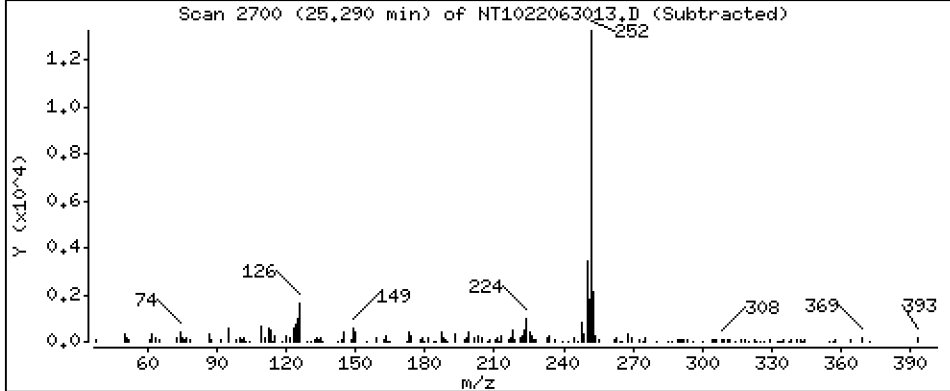
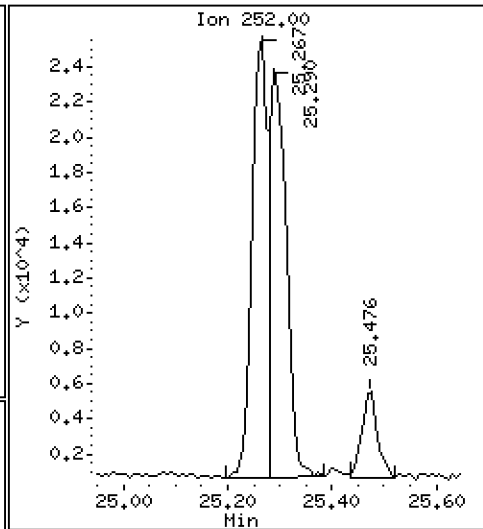
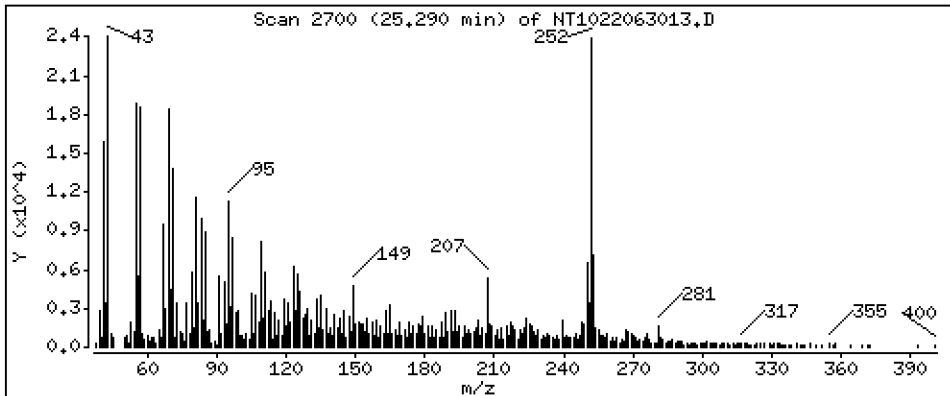
Operator: VTS

Column phase: ZB-5msi

Column diameter: 0,25

75 Benzo(k)fluoranthene

Concentration: 1,172 ug/mL



Date : 30-JUN-2022 21:20

Client ID:

Instrument: nt10.i

Sample Info: 22F0267-07

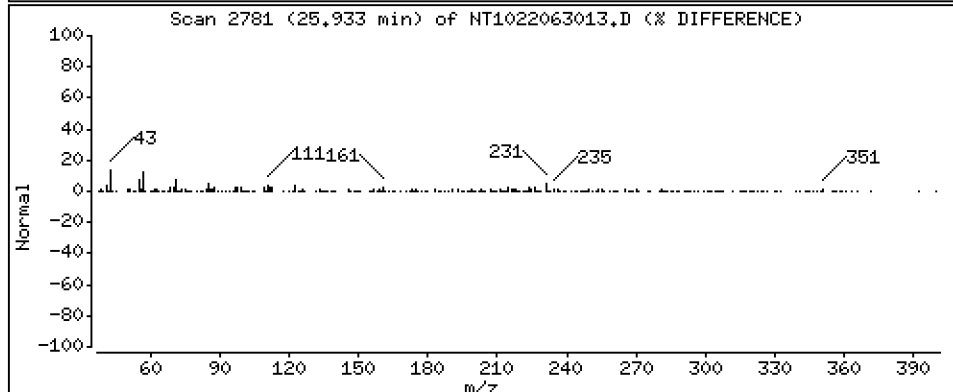
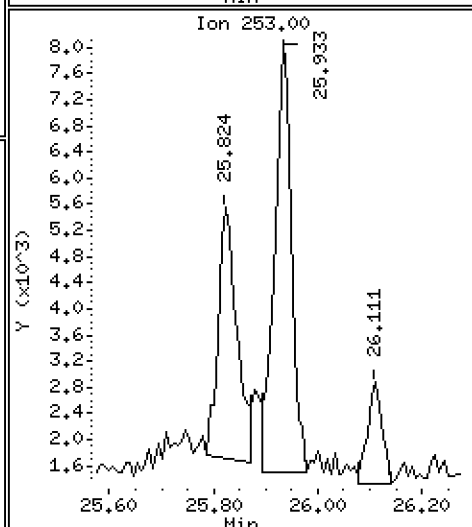
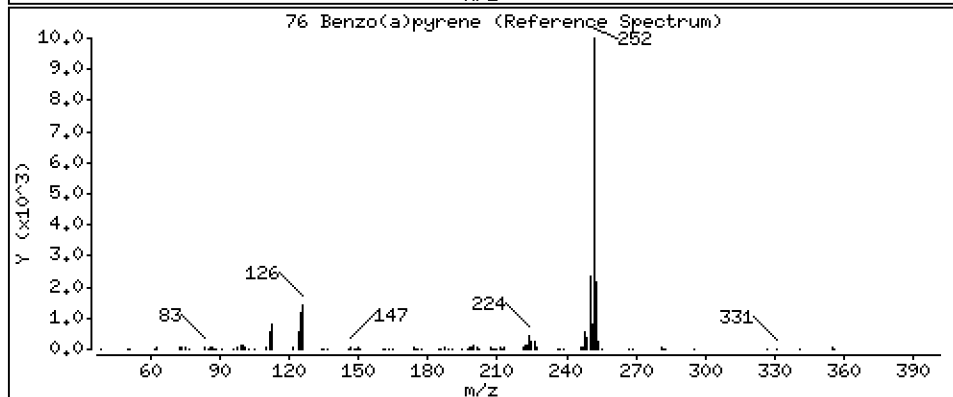
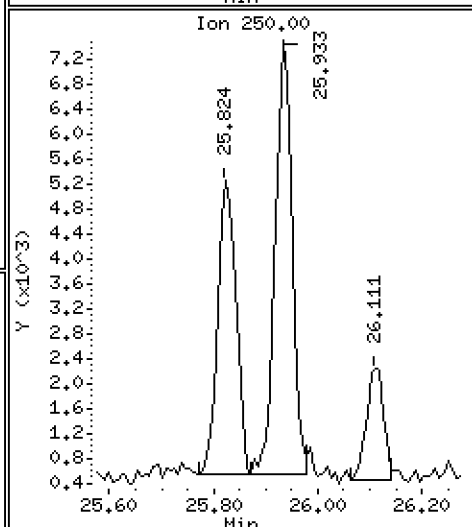
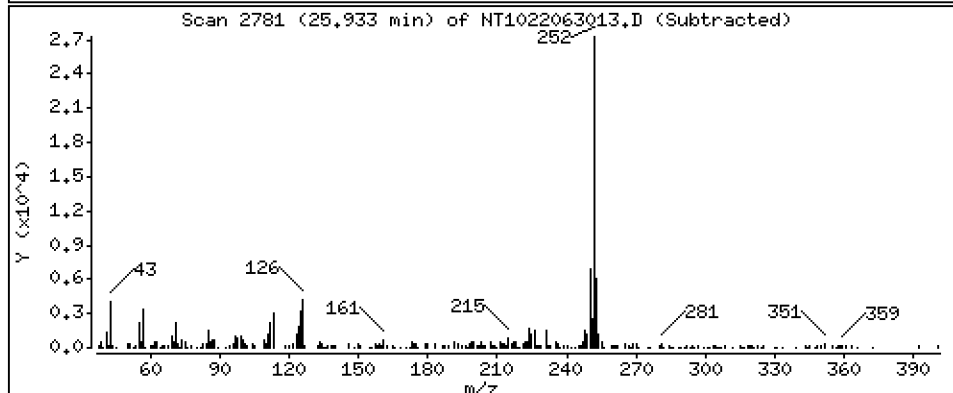
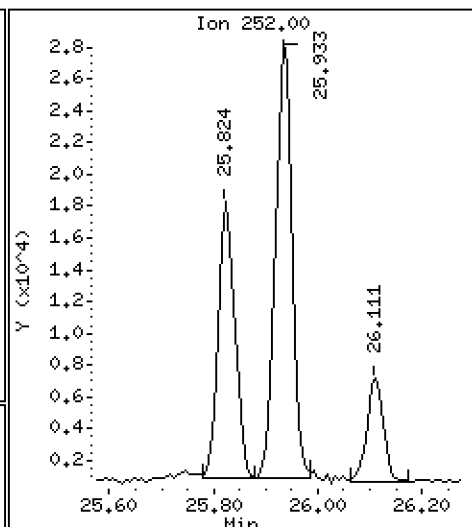
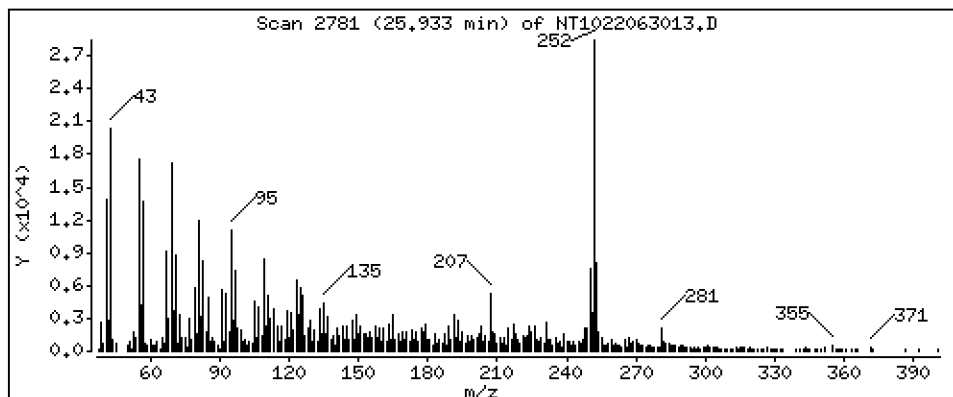
Operator: VTS

Column phase: ZB-5msi

Column diameter: 0,25

76 Benzo(a)pyrene

Concentration: 1,628 ug/mL



Date : 30-JUN-2022 21:20

Client ID:

Instrument: nt10.i

Sample Info: 22F0267-07

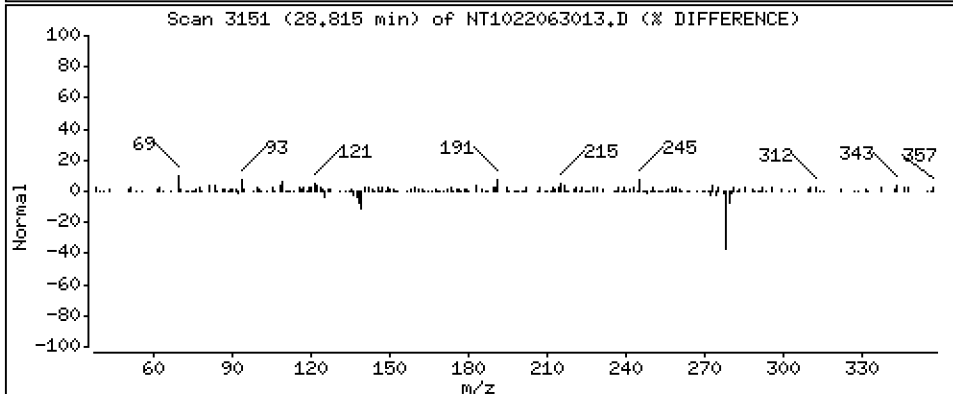
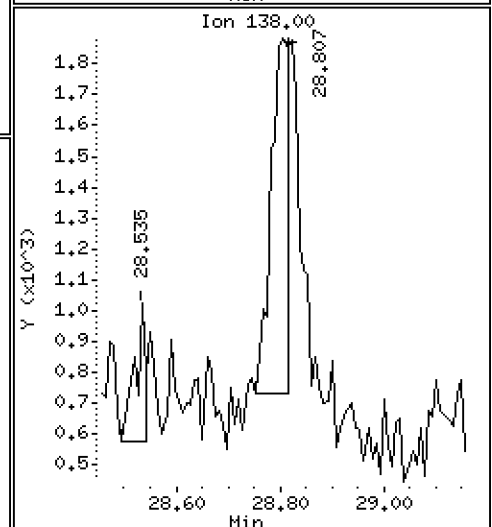
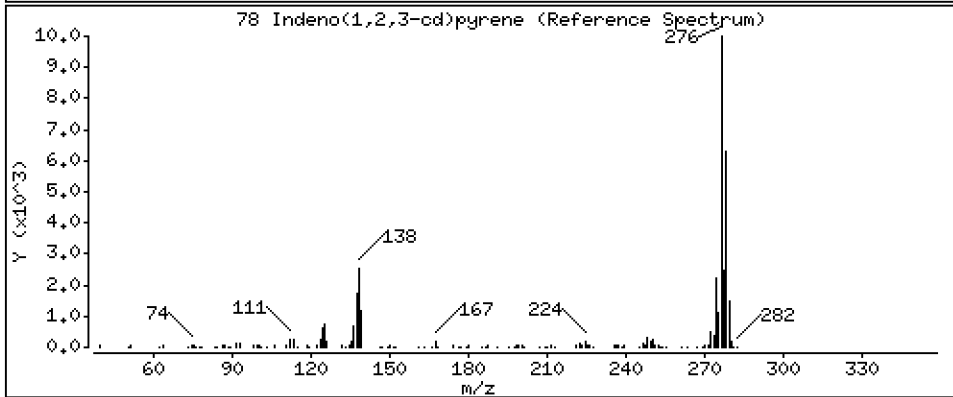
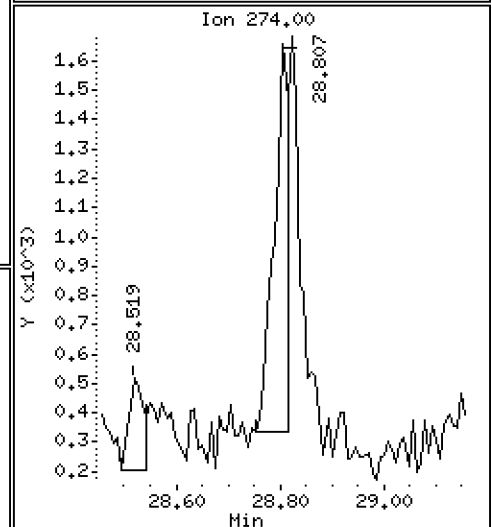
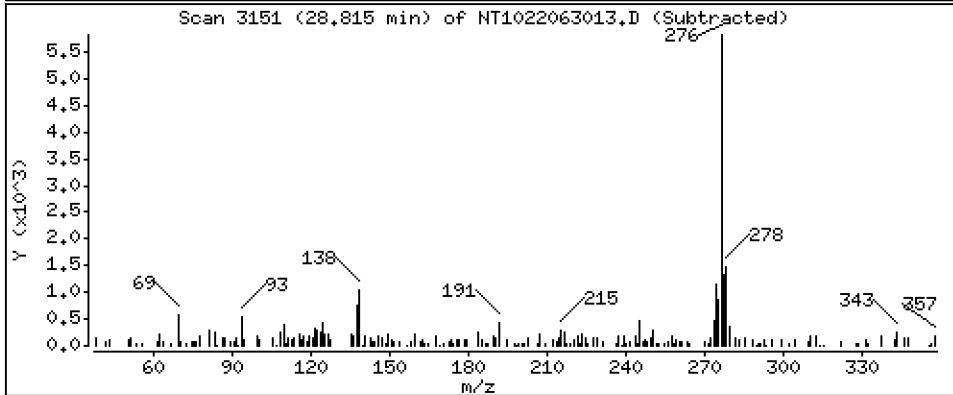
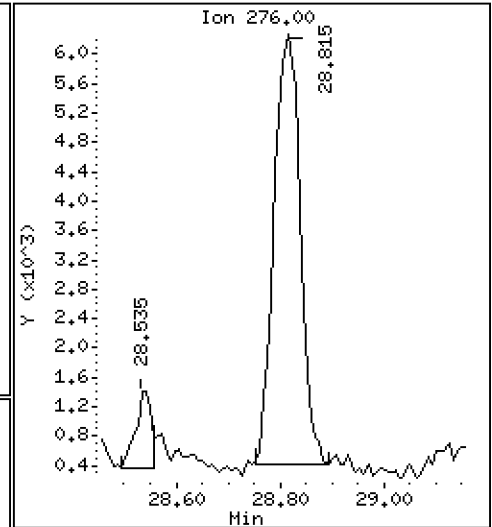
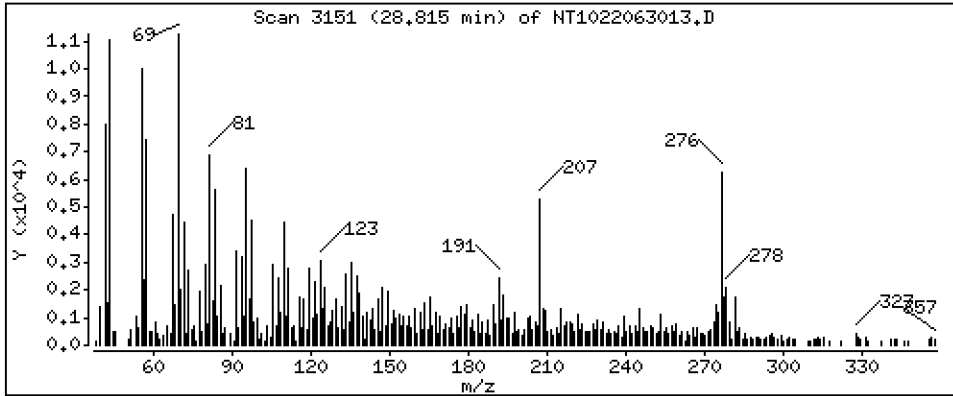
Operator: VTS

Column phase: ZB-5msi

Column diameter: 0.25

78 Indeno(1,2,3-cd)pyrene

Concentration: 0.5218 ug/mL



Date : 30-JUN-2022 21:20

Client ID:

Instrument: nt10.i

Sample Info: 22F0267-07

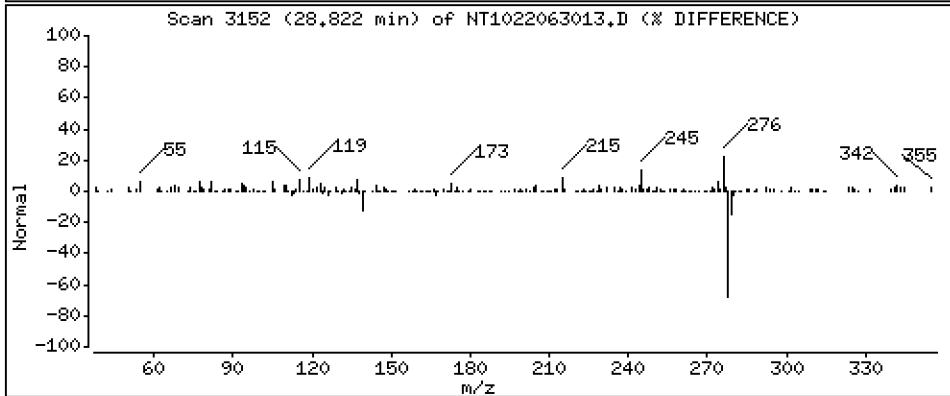
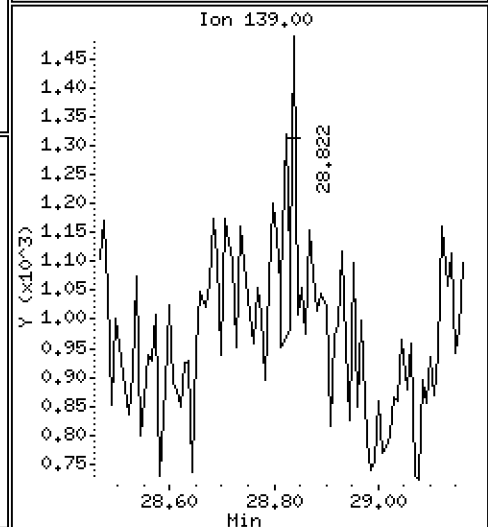
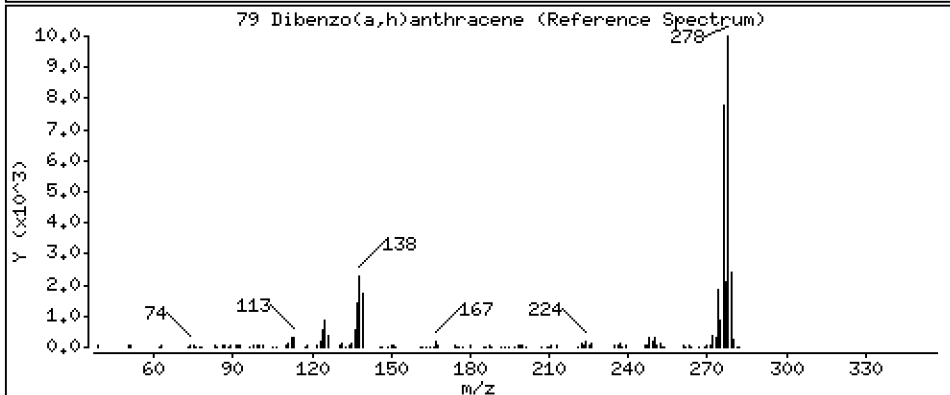
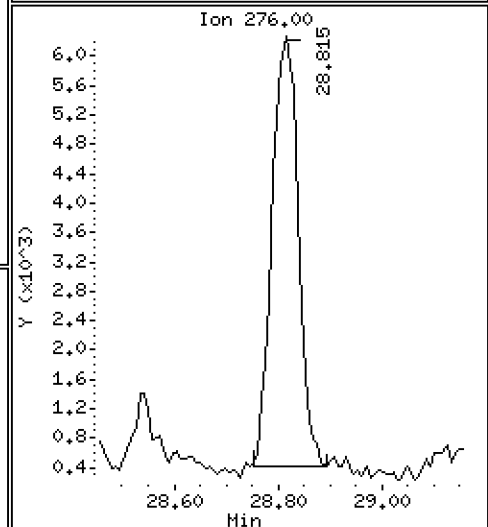
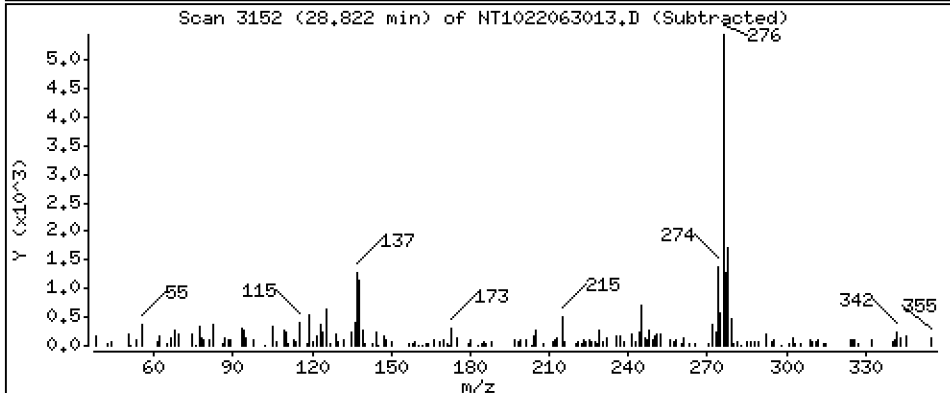
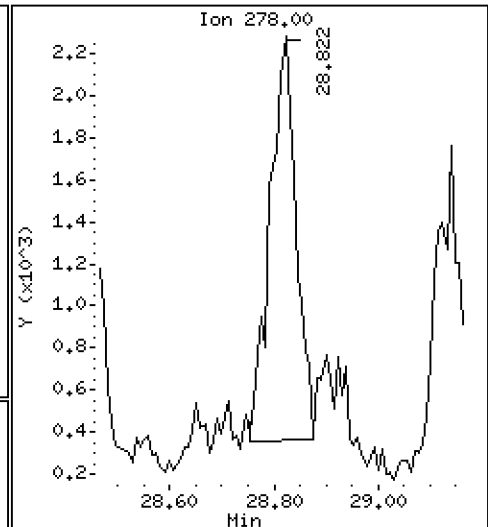
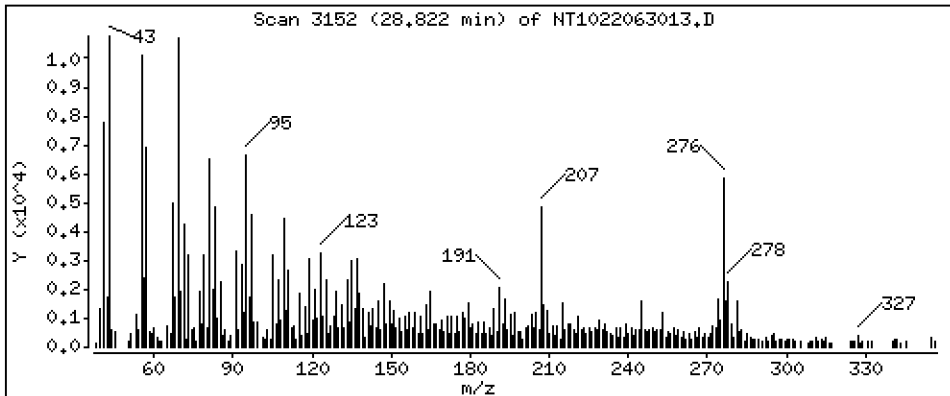
Operator: VTS

Column phase: ZB-5msi

Column diameter: 0,25

79 Dibenzo(a,h)anthracene

Concentration: 0,2232 ug/mL



Date : 30-JUN-2022 21:20

Client ID:

Instrument: nt10.i

Sample Info: 22F0267-07

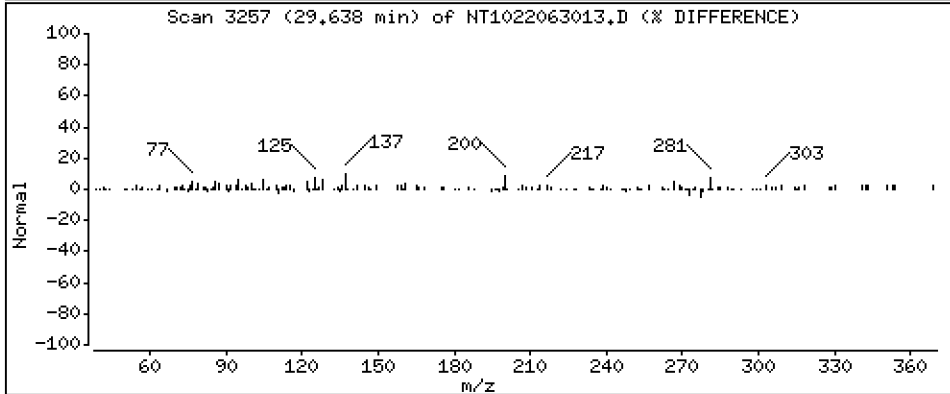
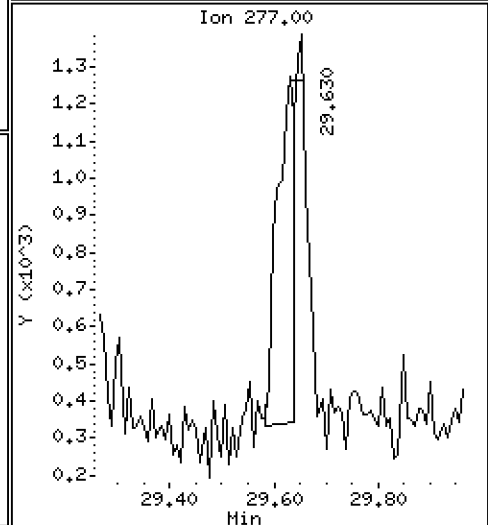
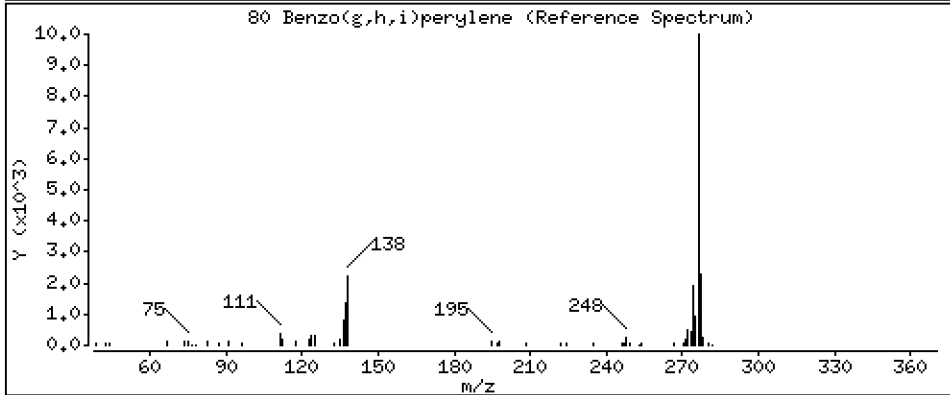
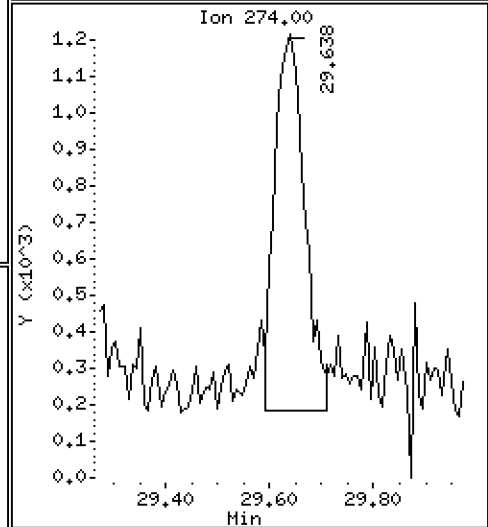
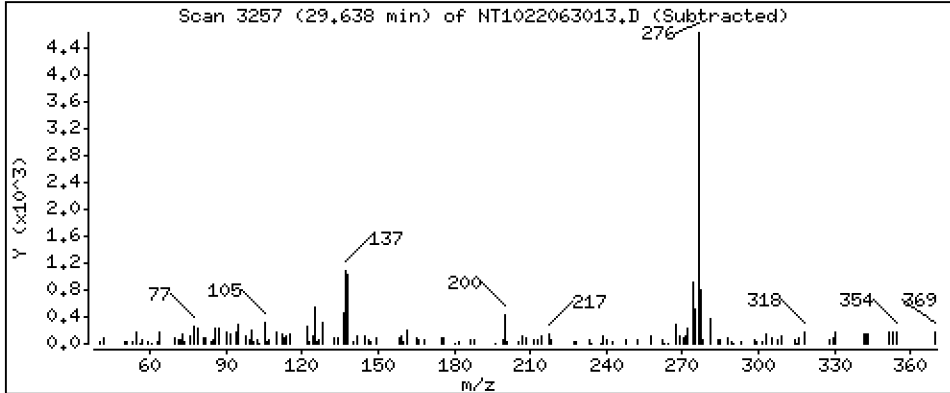
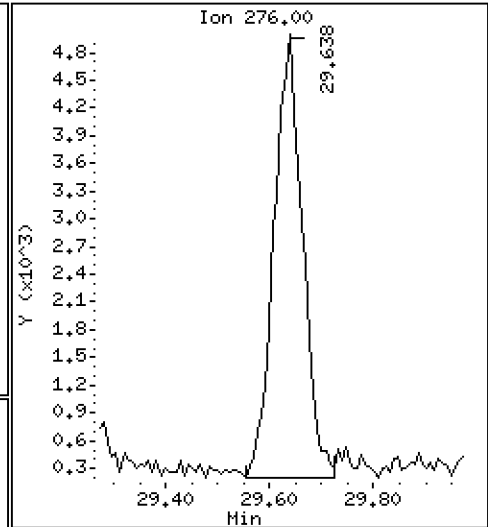
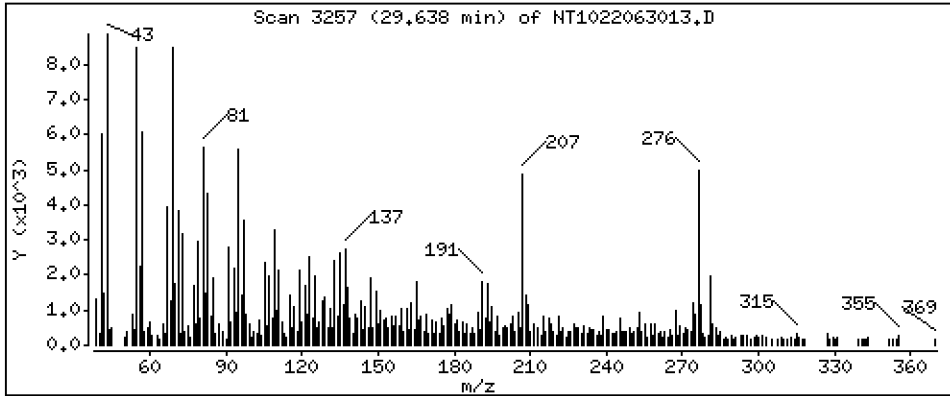
Operator: VTS

Column phase: ZB-5msi

Column diameter: 0,25

80 Benzo(g,h,i)perylene

Concentration: 0,5859 ug/mL



Date : 30-JUN-2022 21:20

Client ID:

Instrument: nt10.i

Sample Info: 22F0267-07

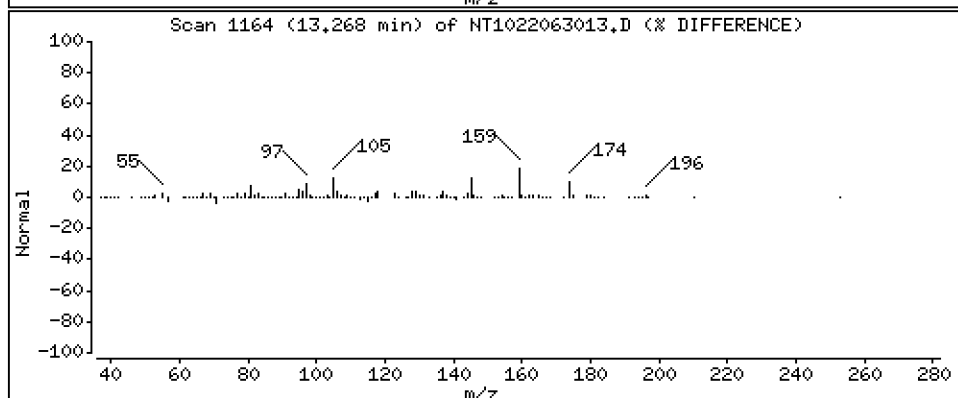
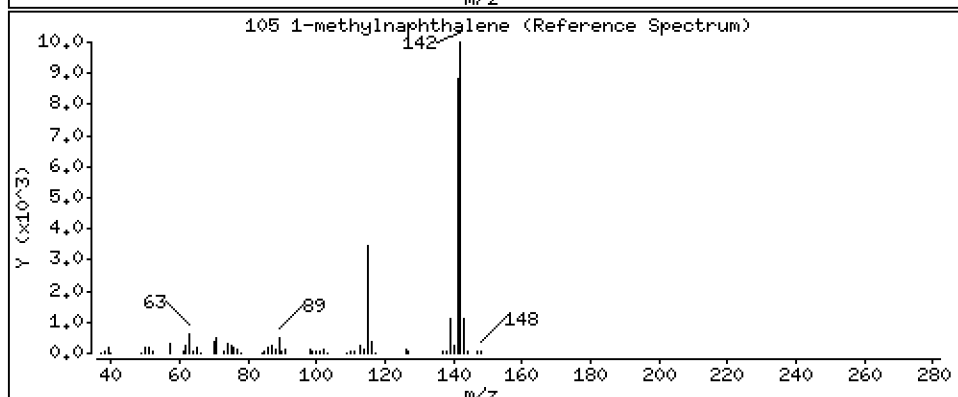
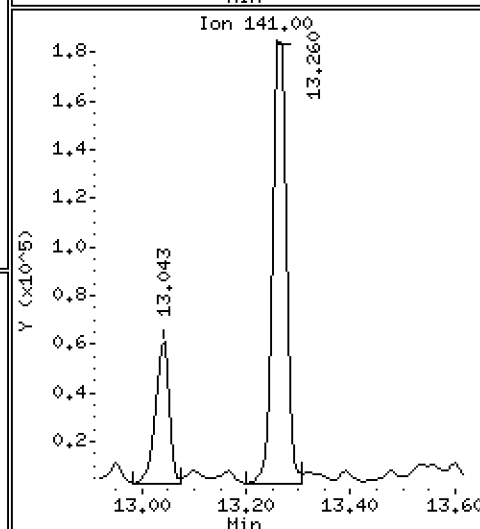
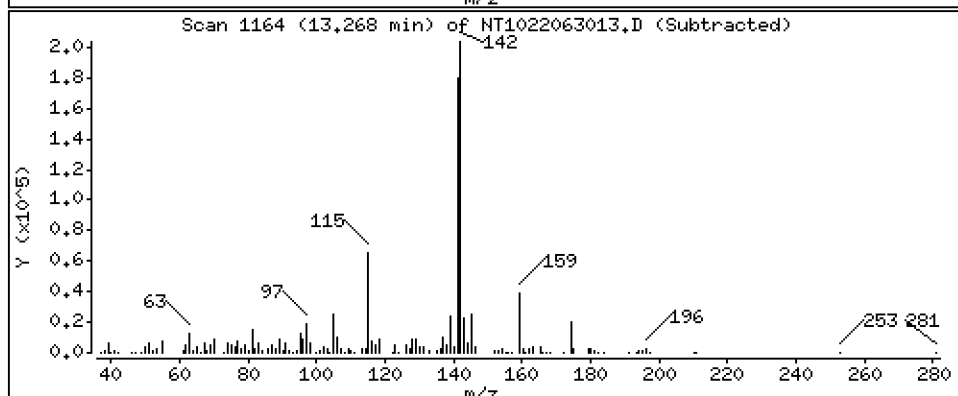
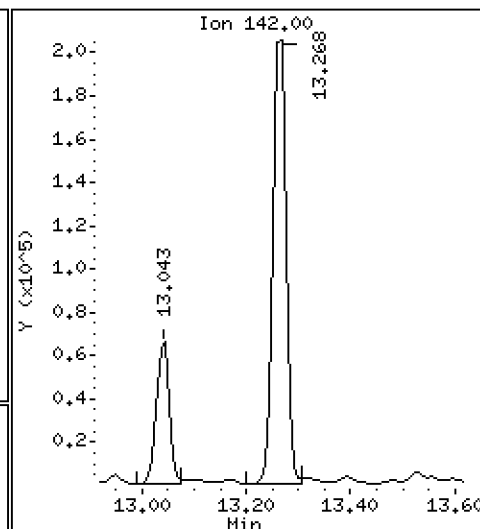
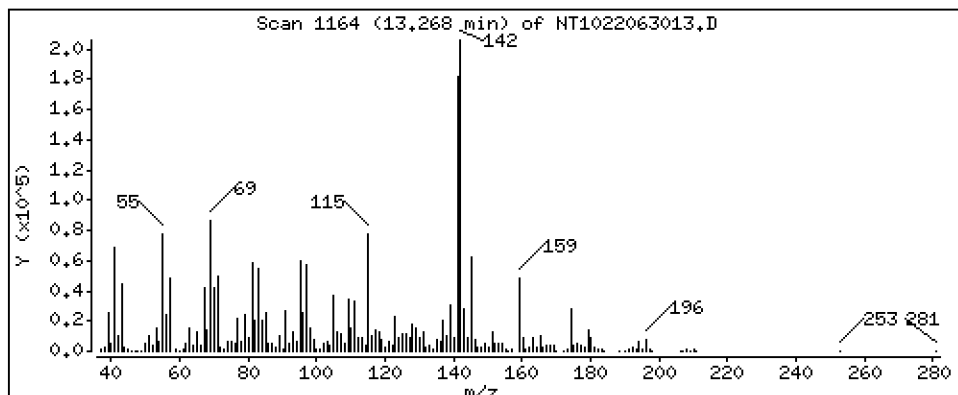
Operator: VTS

Column phase: ZB-5msi

Column diameter: 0,25

105 1-methylnaphthalene

Concentration: 1,576 ug/mL



Date : 30-JUN-2022 21:20

Client ID:

Instrument: nt10.i

Sample Info: 22F0267-07

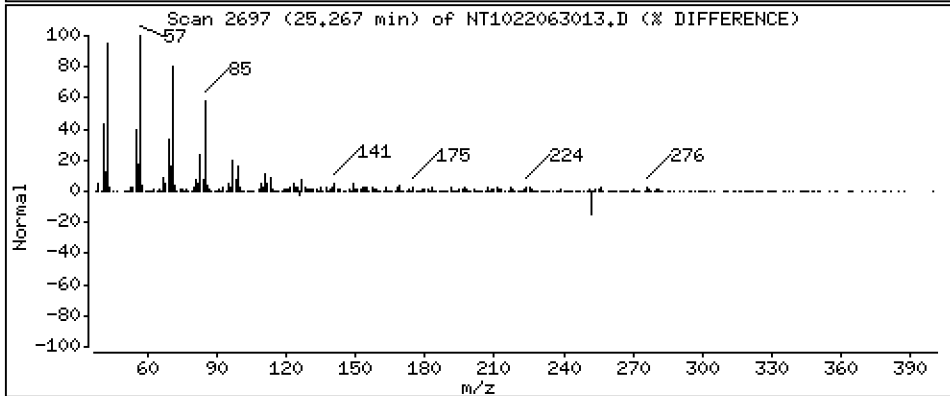
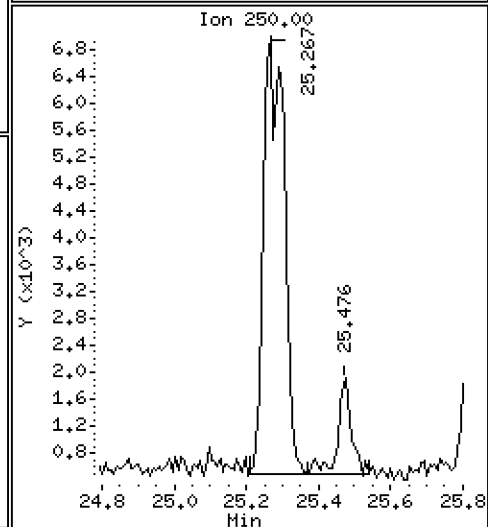
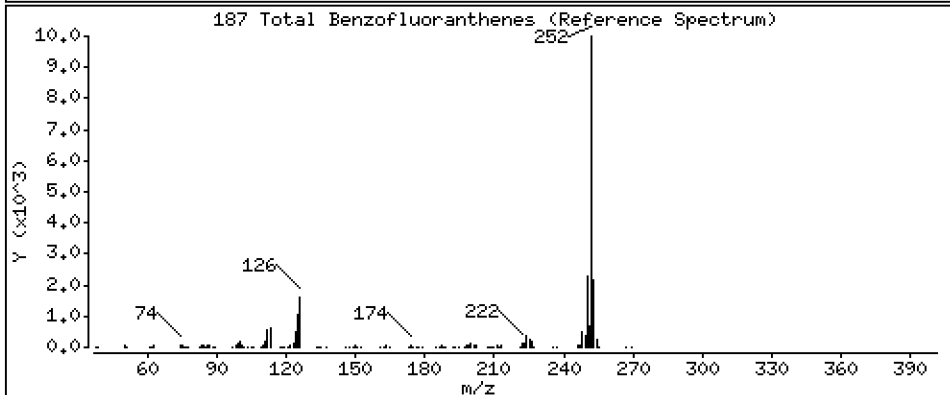
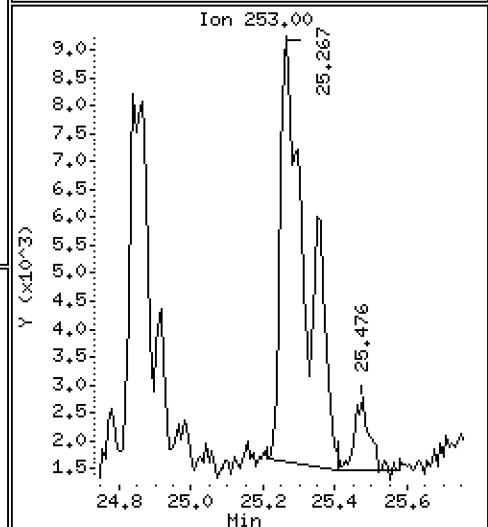
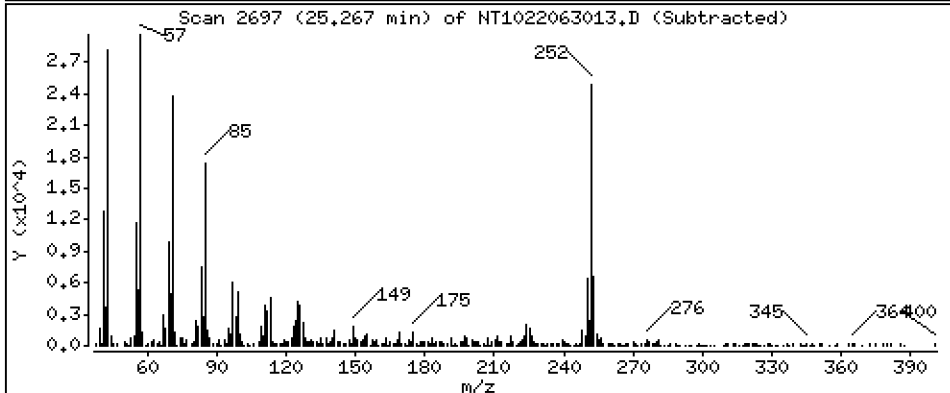
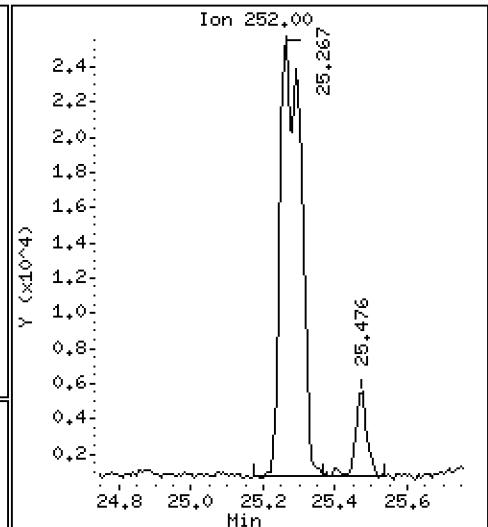
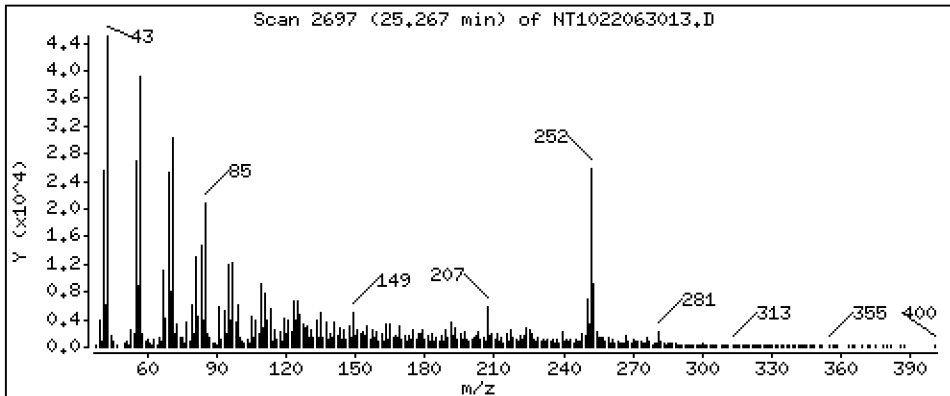
Operator: VTS

Column phase: ZB-5msi

Column diameter: 0,25

187 Total Benzofluoranthenes

Concentration: 2,387 ug/mL



ARI Labs, Inc.

Semivolatile Report SW846 Method 8270D

Data file : \\target\share\chem3\nt10.i\20220630.b\NT1022063013.D
 Lab Smp Id: 22F0267-07
 Inj Date : 30-JUN-2022 21:20
 Operator : VTS
 Smp Info : 22F0267-07
 Misc Info :
 Comment : 1ul Injection
 Method : \\target\share\chem3\nt10.i\20220630.b\ABN.m
 Meth Date : 01-Jul-2022 17:13 yev
 Cal Date : 23-JUN-2022 13:07
 Als bottle: 12
 Dil Factor: 1.00000
 Integrator: HP RTE
 Target Version: 4.14
 Processing Host: ORGDATA102

Inst ID: nt10.i

Quant Type: ISTD
 Cal File: NT1022062308.D

Compound Sublist: ICAL.sub

Compounds	QUANT	SIG	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS	
							ON-COLUMN	FINAL
	MASS						(ug/mL)	(ug/mL)
\$ 1 2-Fluorophenol	112		6.929	6.922	(0.760)	494676	5.13403	5.134
\$ 2 Phenol-d5	99		8.513	8.513	(0.934)	740759	5.18137	5.181
3 Phenol	94		Compound Not Detected.					
\$ 5 2-Chlorophenol-d4	132		8.768	8.768	(0.962)	667377	6.79768	6.798
4 Bis(2-Chloroethyl)ether	93		Compound Not Detected.					
6 2-Chlorophenol	128		Compound Not Detected.					
7 1,3-Dichlorobenzene	146		9.047	9.055	(0.992)	2382	0.02217	0.02217
* 8 1,4-Dichlorobenzene-d4	152		9.117	9.117	(1.000)	263868	4.00000	
9 1,4-Dichlorobenzene	146		9.148	9.148	(1.003)	6291	0.07430	0.07430
\$ 10 1,2-Dichlorobenzene-d4	152		9.474	9.474	(1.039)	275551	4.55479	4.555
12 1,2-Dichlorobenzene	146		Compound Not Detected.					
11 Benzyl alcohol	108		Compound Not Detected.					
14 2,2'-oxybis(1-Chloropropane)	121		Compound Not Detected.					
13 2-Methylphenol	108		Compound Not Detected.					
17 Hexachloroethane	117		Compound Not Detected.					
16 N-Nitroso-di-n-propylamine	70		Compound Not Detected.					
15 4-Methylphenol	108		9.916	9.901	(1.088)	12718	0.15494	0.1549
\$ 18 Nitrobenzene-d5	82		10.203	10.211	(0.880)	419338	4.53644	4.536
19 Nitrobenzene	77		Compound Not Detected.					
20 Isophorone	82		Compound Not Detected.					
21 2-Nitrophenol	139		Compound Not Detected.					
22 2,4-Dimethylphenol	107		Compound Not Detected.					
23 Bis(2-Chloroethoxy)methane	93		Compound Not Detected.					
24 Benzoic acid	105		11.097	11.123	(0.957)	110827	2.99483	2.995
25 2,4-Dichlorophenol	162		Compound Not Detected.					
26 1,2,4-Trichlorobenzene	180		Compound Not Detected.					
* 27 Naphthalene-d8	136		11.596	11.604	(1.000)	868724	4.00000	
28 Naphthalene	128		11.635	11.643	(1.003)	80691	0.36293	0.3629
29 4-Chloroaniline	127		Compound Not Detected.					
30 Hexachlorobutadiene	225		Compound Not Detected.					
31 4-Chloro-3-methylphenol	107		Compound Not Detected.					
32 2-Methylnaphthalene	142		13.043	13.043	(1.125)	108747	0.49214	0.4921
33 Hexachlorocyclopentadiene	237		Compound Not Detected.					

Compounds	QUANT	SIG	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS	
							ON-COLUMN (ug/mL)	FINAL (ug/mL)
34 2,4,6-Trichlorophenol	196							
35 2,4,5-Trichlorophenol	196							
\$ 36 2-Fluorobiphenyl	172		13.824	13.824	(0.908)	682329	6.45058	6.451
37 2-Chloronaphthalene	162							
38 2-Nitroaniline	65							
39 Dimethylphthalate	163							
40 Acenaphthylene	152		14.923	14.916	(0.980)	40844	0.29892	0.2989
41 2,6-Dinitrotoluene	165							
* 42 Acenaphthene-d10	164		15.233	15.225	(1.000)	233749	4.00000	
43 3-Nitroaniline	138							
44 Acenaphthene	153		15.295	15.295	(1.004)	59012	0.86807	0.8681
45 2,4-Dinitrophenol	184							
46 Dibenzofuran	168		15.627	15.619	(1.026)	29122	0.26956	0.2696
47 4-Nitrophenol	109							
48 2,4-Dinitrotoluene	165							
50 Diethylphthalate	149							
49 Fluorene	166		16.346	16.338	(1.073)	51759	0.40095	0.4009
51 4-Chlorophenyl-phenylether	204							
52 4-Nitroaniline	138							
53 4,6-Dinitro-2-methylphenol	198							
54 N-Nitrosodiphenylamine	169							
\$ 55 2,4,6-Tribromophenol	330		16.894	16.878	(1.109)	54355	5.12125	5.121
56 4-Bromophenyl-phenylether	248							
57 Hexachlorobenzene	284							
58 Pentachlorophenol	266		18.045	18.029	(0.986)	12616	2.05765	2.058
* 59 Phenanthrene-d10	188		18.292	18.277	(1.000)	406139	4.00000	
60 Phenanthrene	178		18.339	18.331	(1.003)	132824	1.24483	1.245
61 Anthracene	178		18.432	18.424	(1.008)	111549	0.98103	0.9810
62 Carbazole	167							
63 Di-n-butylphthalate	149		19.569	19.554	(1.070)	74092	0.47059	0.4706
64 Fluoranthene	202		20.753	20.722	(0.889)	193633	2.27059	2.271
65 Pyrene	202		21.171	21.147	(0.907)	642105	8.13016	8.130
\$ 66 Terphenyl-d14	244		21.441	21.434	(0.918)	212659	5.10966	5.110
67 Butylbenzylphthalate	149		22.371	22.363	(0.958)	273277	11.3426	11.34
68 Benzo(a)anthracene	228		23.331	23.331	(0.999)	37390	0.73986	0.7399
* 69 Chrysene-d12	240		23.354	23.354	(1.000)	119262	4.00000	
70 3,3'-Dichlorobenzidine	252							
71 Chrysene	228		23.400	23.400	(1.002)	36361	1.07679	1.077
72 bis(2-Ethylhexyl)phthalate	149		23.400	23.400	(0.959)	27695	0.97314	0.9731
* 134 Di-n-octylphthalate-d4	153		24.407	24.407	(1.000)	257479	4.00000	
73 Di-n-octylphthalate	149							
74 Benzo(b)fluoranthene	252		25.266	25.251	(0.970)	59113	1.32495	1.325
75 Benzo(k)fluoranthene	252		25.289	25.297	(0.971)	50264	1.17162	1.172
76 Benzo(a)pyrene	252		25.932	25.924	(0.995)	59464	1.62847	1.628
* 77 Perylene-d12	264		26.056	26.041	(1.000)	98514	4.00000	
78 Indeno(1,2,3-cd)pyrene	276		28.814	28.806	(1.106)	20342	0.52175	0.5218
79 Dibenzo(a,h)anthracene	278		28.822	28.814	(1.106)	6663	0.22324	0.2232 (M)
80 Benzo(g,h,i)perylene	276		29.637	29.622	(1.137)	18261	0.58594	0.5859
90 N-Nitrosodimethylamine	74							
91 Aniline	93							
93 Benzidine	184							
103 Pyridine	79							
105 1-methylnaphthalene	142		13.267	13.267	(1.144)	342065	1.57567	1.576
111 Azobenzene (1,2-DP-Hydrazine)	77							

Compounds	QUANT SIG	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS		
						ON-COLUMN (ug/mL)	FINAL (ug/mL)	
187 Total Benzofluoranthenes	252	25.266	25.251	(0.970)	99312	2.38737	2.387	
120 2,3,4,6-Tetrachlorophenol	232	Compound Not Detected.						

QC Flag Legend

M - Compound response manually integrated.

ARI Labs, Inc.

INTERNAL STANDARD COMPOUNDS
 AREA AND RT SUMMARY

Instrument ID: nt10.i Calibration Date: 30-JUN-2022
 Lab File ID: NT1022063013.D Calibration Time: 14:09
 Lab Smp Id: 22F0267-07
 Analysis Type: SV Level:
 Quant Type: ISTD Sample Type:
 Operator: VTS
 Method File: \\target\share\chem3\nt10.i\20220630.b\ABN.m
 Misc Info:

Test Mode:
 Use Last Continuing Calibrator.

COMPOUND	STANDARD	AREA LIMIT		SAMPLE	%DIFF
		LOWER	UPPER		
8 1,4-Dichlorobenze	207392	103696	414784	263868	27.23
27 Naphthalene-d8	696938	348469	1393876	868724	24.65
42 Acenaphthene-d10	395441	197721	790882	233749	-40.89
59 Phenanthrene-d10	603067	301534	1206134	406139	-32.65
69 Chrysene-d12	148146	74073	296292	119262	-19.50
134 Di-n-octylphthala	308009	154005	616018	257479	-16.41
77 Perylene-d12	115550	57775	231100	98514	-14.74

COMPOUND	STANDARD	RT LIMIT		SAMPLE	%DIFF
		LOWER	UPPER		
8 1,4-Dichlorobenze	9.12	8.62	9.62	9.12	-0.00
27 Naphthalene-d8	11.60	11.10	12.10	11.60	-0.07
42 Acenaphthene-d10	15.23	14.73	15.73	15.23	0.05
59 Phenanthrene-d10	18.28	17.78	18.78	18.29	0.08
69 Chrysene-d12	23.35	22.85	23.85	23.35	-0.00
134 Di-n-octylphthala	24.41	23.91	24.91	24.41	-0.00
77 Perylene-d12	26.04	25.54	26.54	26.06	0.06

AREA UPPER LIMIT = +100% of internal standard area.
 AREA LOWER LIMIT = - 50% of internal standard area.
 RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
 RT LOWER LIMIT = - 0.50 minutes of internal standard RT.

REVIEW SUMMARY FOR FILE - NT1022063013.D

Lab ID: 22F0267-07
nt10.i, ABN.m, 30-JUN-2022 21:20

RT CO-ELUTION COMPOUNDS

NO CO-ELUTIONS

Quant Method: ICAL

RRT CHECK

RRT	CCV	RRT	DELTA	COMPOUND
-----	-----	-----	-------	----------

NONE

RRT check based on Ccal File: NT1022063002.D

On Column LOD for nt10.i, ABN.m, ICAL.sub = 0.0000

* Only compounds listed in the work order have been verified by the analyst *

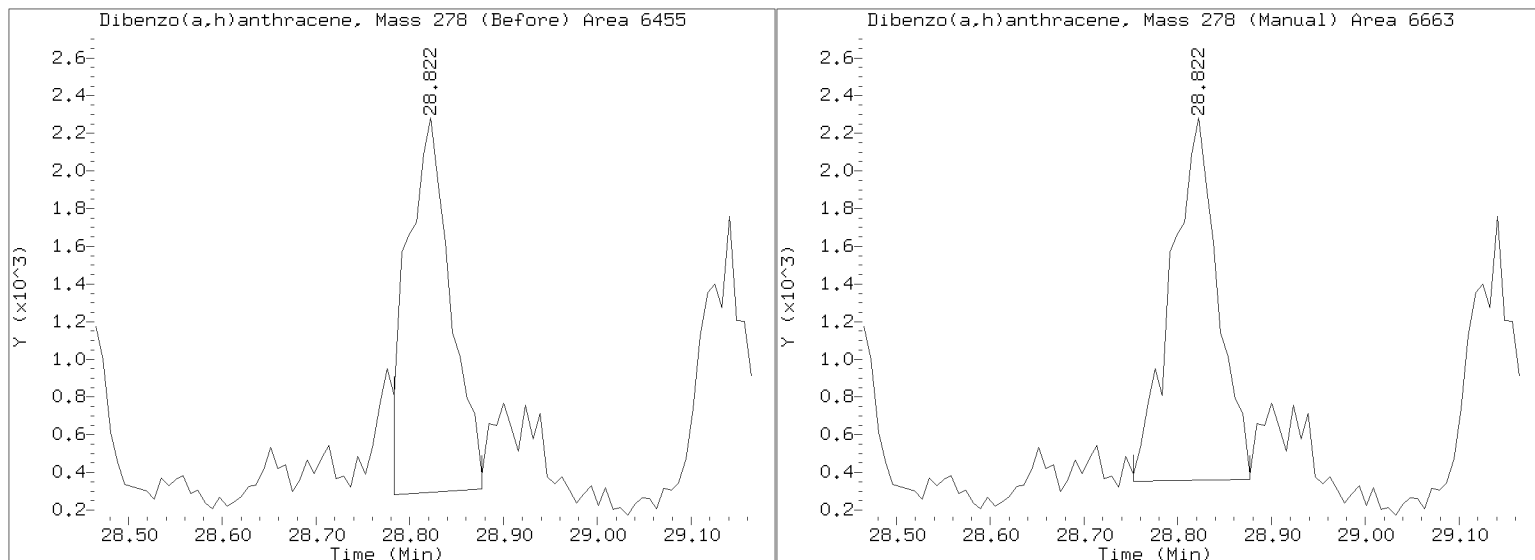
Quant Ion Manual Peak Adjustment Report

Datafile: //target/share/chem3/nt10.i/20220630.b/NT1022063013.D

Injection Date: 30-JUN-2022 21:20

Lab ID:22F0267-07 Client ID:

Report Date: 07/01/2022 17:14





Form I
ORGANIC ANALYSIS DATA SHEET
EPA 8270E
Semivolatile Organic Compounds (67 ug/kg -1 ug/L)

Laboratory: Analytical Resources, LLC
 Client: GeoEngineers
 Project: RG Haley Site-Bellingham
 Matrix: Water Laboratory ID: 22F0267-09 C SDG: 22F0267
 Sampled: 06/14/22 13:30 Prepared: 06/20/22 19:17 File ID: NT622062212.D
 % Solids: Preparation: EPA 3520C (Liq Liq) Analyzed: 06/22/22 17:19
 Batch: BKF0450 Sequence: SKF0267 Initial/Final: 500 mL / 0.5 mL
 Instrument: NT6 Column: ZB-5MSi Calibration: FE00035

CAS NO.	COMPOUND	DILUTION	(ug/L)	Q	DL	RL
91-20-3	Naphthalene	1	0.2	U	0.2	1.0
91-57-6	2-Methylnaphthalene	1	0.2	U	0.2	1.0
83-32-9	Acenaphthene	1	0.3	U	0.3	1.0
85-01-8	Phenanthrene	1	0.2	U	0.2	1.0
206-44-0	Fluoranthene	1	0.4	U	0.4	1.0
56-55-3	Benzo(a)anthracene	1	0.4	U	0.4	1.0
218-01-9	Chrysene	1	0.4	U	0.4	1.0
205-99-2	Benzo(b)fluoranthene	1	0.4	U	0.4	1.0
207-08-9	Benzo(k)fluoranthene	1	0.4	U	0.4	1.0
50-32-8	Benzo(a)pyrene	1	0.5	U	0.5	1.0
193-39-5	Indeno(1,2,3-cd)pyrene	1	0.4	U	0.4	1.0
53-70-3	Dibenzo(a,h)anthracene	1	0.4	U	0.4	1.0
90-12-0	1-Methylnaphthalene	1	0.3	U	0.3	1.0

SURROGATES	ADDED:(ug/L)	(ug/L)	% REC	QC LIMITS	Q
2-Fluorophenol	37.500	30.3	80.9	33 - 120	
Phenol-d5	37.500	29.9	79.6	38 - 120	
2-Chlorophenol-d4	37.500	30.7	81.8	41 - 120	
1,2-Dichlorobenzene-d4	25.000	19.5	78.0	20 - 120	
Nitrobenzene-d5	25.000	20.8	83.3	27 - 120	
2-Fluorobiphenyl	25.000	20.5	82.1	33 - 120	
2,4,6-Tribromophenol	37.500	35.2	93.7	52 - 120	
p-Terphenyl-d14	25.000	20.3	81.3	28 - 120	

Data File: \\target\share\chem3\nt6.1\20220622.1\NT622062212.D

Date: 22-JUN-2022 17:19

Client ID:

Sample Info: 22F0267-09

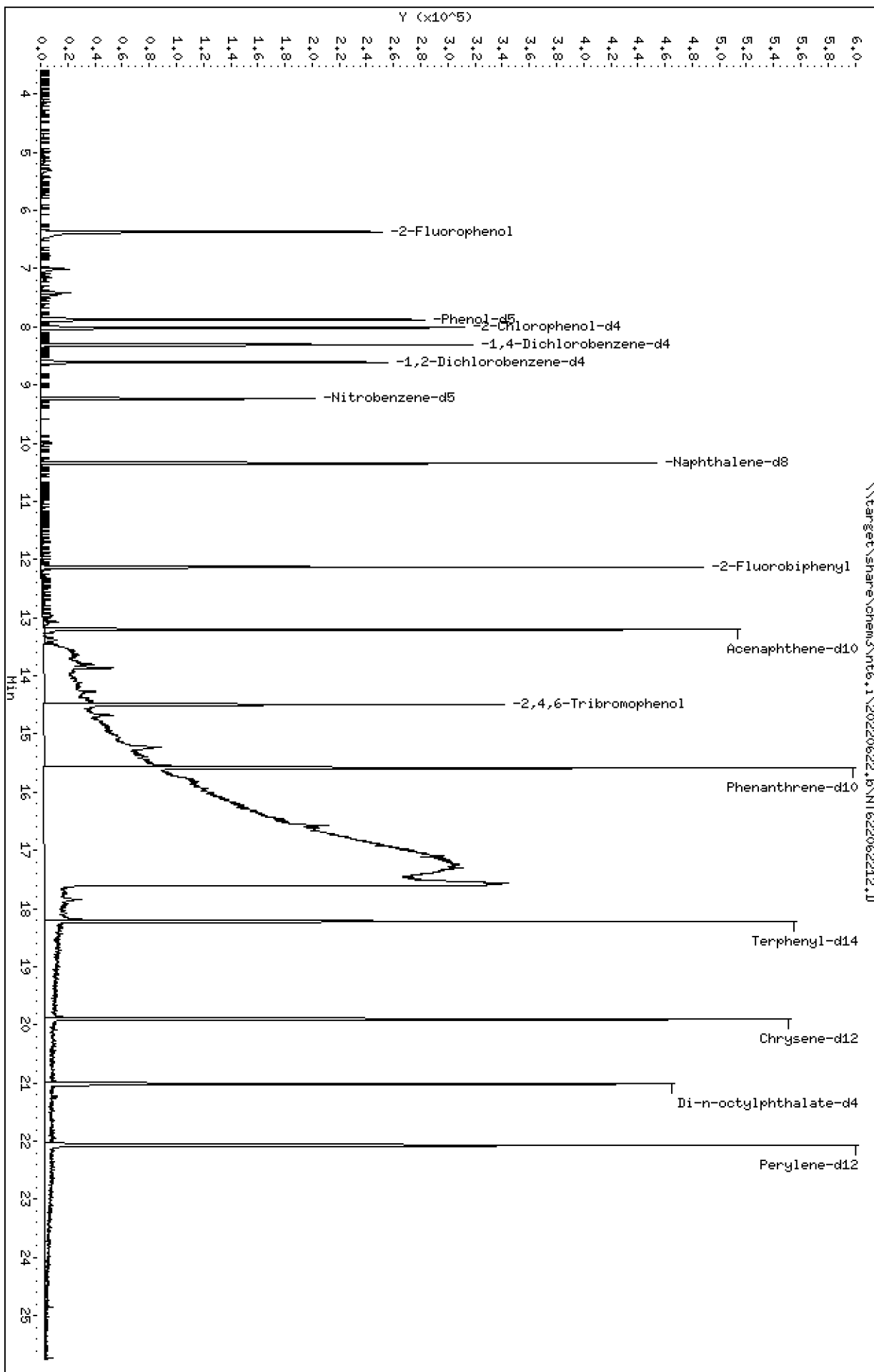
Column phase: ZB-5msi

Instrument: nt6.1

Operator: JZ

Column diameter: 0.32

\\target\share\chem3\nt6.1\20220622.1\NT622062212.D



Date : 22-JUN-2022 17:19

Client ID:

Instrument: nt6.i

Sample Info: 22F0267-09

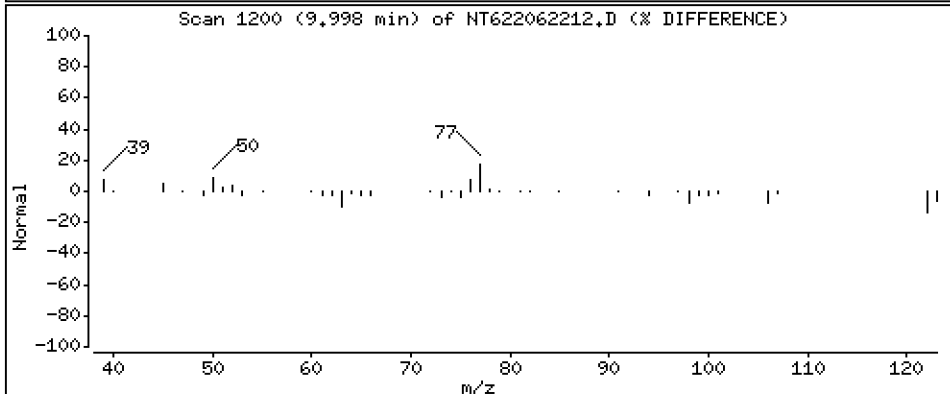
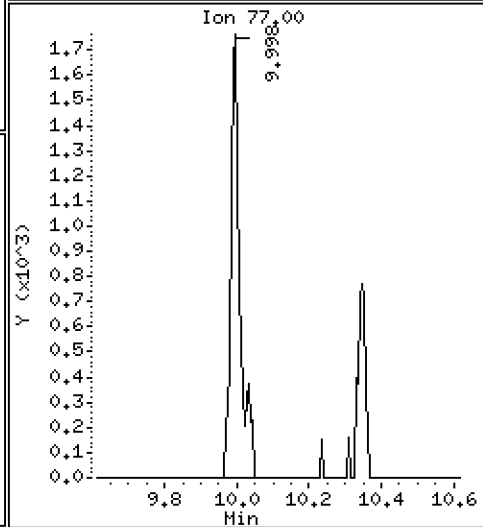
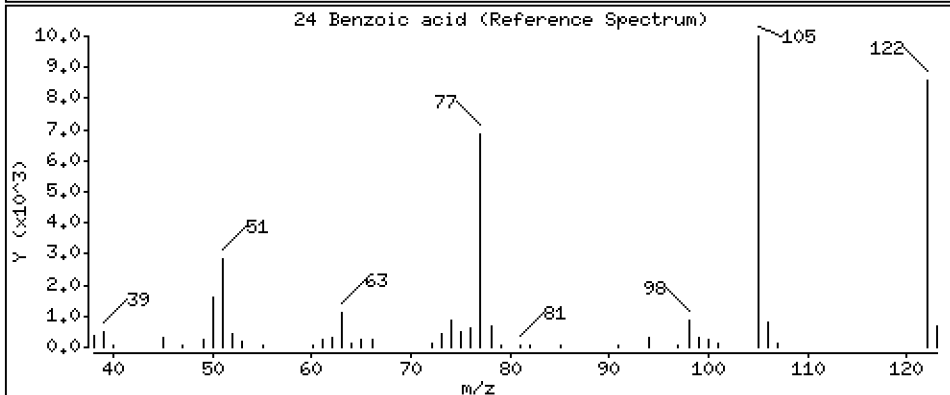
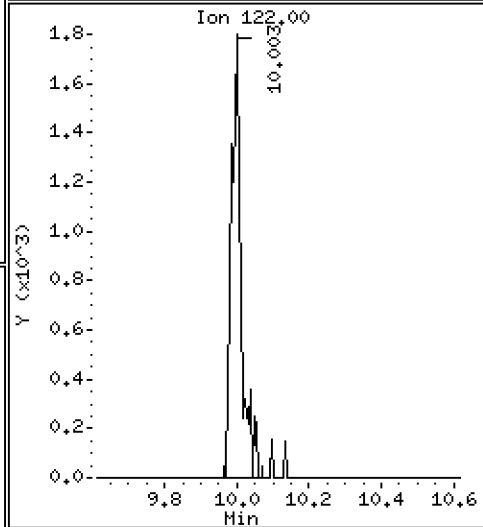
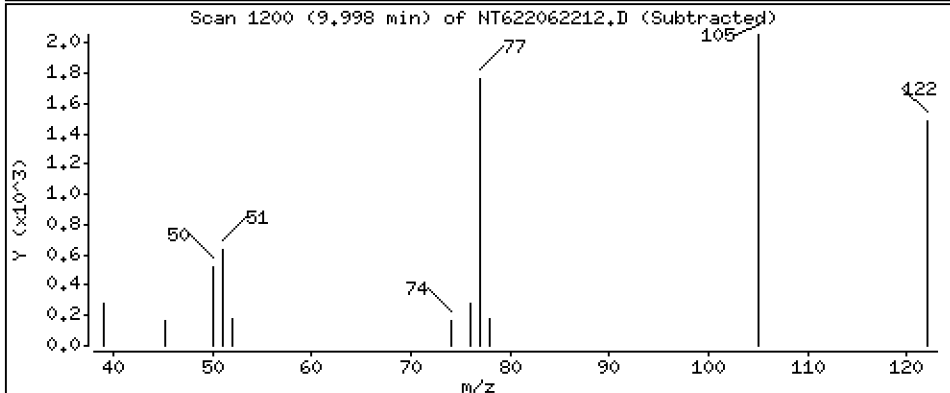
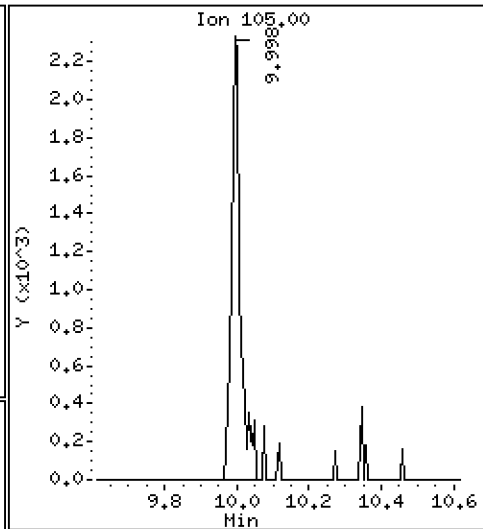
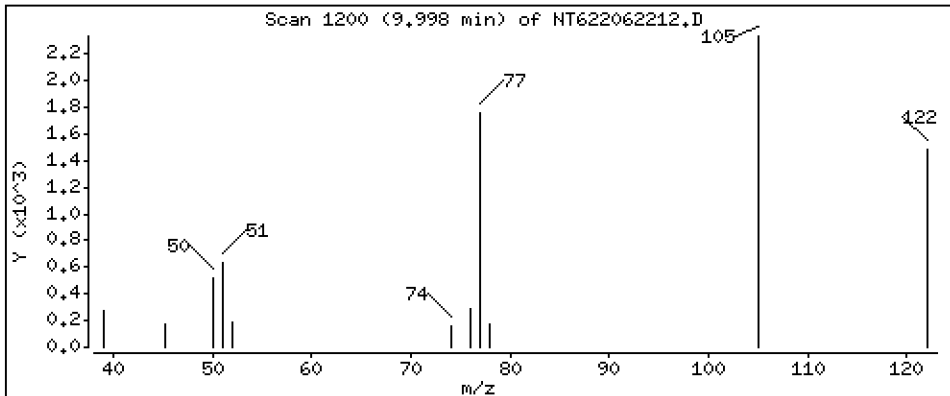
Operator: JZ

Column phase: ZB-5msi

Column diameter: 0.32

24 Benzoic acid

Concentration: 1.312 ug/mL



ARI Labs, Inc.

Semivolatile Report SW846 Method 8270D

Data file : \\target\share\chem3\nt6.i\20220622.b\NT622062212.D
 Lab Smp Id: 22F0267-09
 Inj Date : 22-JUN-2022 17:19
 Operator : JZ Inst ID: nt6.i
 Smp Info : 22F0267-09
 Misc Info : 22-
 Comment : 1ul Injection
 Method : \\target\share\chem3\nt6.i\20220622.b\SW84620220516.m
 Meth Date : 24-Jun-2022 18:07 jianqing Quant Type: ISTD
 Cal Date : 16-MAY-2022 18:52 Cal File: NT622051604.D
 Als bottle: 12
 Dil Factor: 1.00000
 Integrator: HP RTE Compound Sublist: LLMDL.sub
 Target Version: 4.14
 Processing Host: JIANQING-202105

Compounds	QUANT	SIG	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS	
							ON-COLUMN (ug/mL)	FINAL (ug/mL)
\$ 1 2-Fluorophenol	112		6.371	6.370	(0.767)	132476	30.3197	30.32
\$ 2 Phenol-d5	99		7.877	7.877	(0.948)	149212	29.8534	29.85
3 Phenol	94		Compound Not Detected.					
\$ 5 2-Chlorophenol-d4	132		8.016	8.016	(0.965)	138548	30.6688	30.67
4 Bis(2-Chloroethyl)ether	93		Compound Not Detected.					
6 2-Chlorophenol	128		Compound Not Detected.					
7 1,3-Dichlorobenzene	146		Compound Not Detected.					
* 8 1,4-Dichlorobenzene-d4	152		8.310	8.309	(1.000)	80838	20.0000	
9 1,4-Dichlorobenzene	146		Compound Not Detected.					
\$ 10 1,2-Dichlorobenzene-d4	152		8.609	8.608	(1.036)	63013	19.4903	19.49
12 1,2-Dichlorobenzene	146		Compound Not Detected.					
11 Benzyl alcohol	108		Compound Not Detected.					
14 2,2'-oxybis(1-Chloropropane)	45		Compound Not Detected.					
13 2-Methylphenol	108		Compound Not Detected.					
17 Hexachloroethane	117		Compound Not Detected.					
16 N-Nitroso-di-n-propylamine	70		Compound Not Detected.					
15 4-Methylphenol	108		Compound Not Detected.					
\$ 18 Nitrobenzene-d5	82		9.234	9.239	(0.893)	90833	20.8172	20.82
19 Nitrobenzene	77		Compound Not Detected.					
20 Isophorone	82		Compound Not Detected.					
21 2-Nitrophenol	139		Compound Not Detected.					
22 2,4-Dimethylphenol	107		Compound Not Detected.					
23 Bis(2-Chloroethoxy)methane	93		Compound Not Detected.					
24 Benzoic acid	105		9.998	10.115	(0.966)	4037	1.31226	1.312
25 2,4-Dichlorophenol	162		Compound Not Detected.					
26 1,2,4-Trichlorobenzene	180		Compound Not Detected.					
* 27 Naphthalene-d8	136		10.345	10.350	(1.000)	284150	20.0000	
28 Naphthalene	128		Compound Not Detected.					
29 4-Chloroaniline	127		Compound Not Detected.					
30 Hexachlorobutadiene	225		Compound Not Detected.					
31 4-Chloro-3-methylphenol	107		Compound Not Detected.					
32 2-Methylnaphthalene	141		Compound Not Detected.					
33 Hexachlorocyclopentadiene	237		Compound Not Detected.					

Compounds	QUANT	SIG	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS	
							ON-COLUMN (ug/mL)	FINAL (ug/mL)
=====	=====	=====	=====	=====	=====	=====	=====	=====
34 2,4,6-Trichlorophenol	196							
35 2,4,5-Trichlorophenol	196							
\$ 36 2-Fluorobiphenyl	172		12.134	12.133	(0.919)	220858	20.5243	20.52
37 2-Chloronaphthalene	162							
38 2-Nitroaniline	65							
39 Dimethylphthalate	163							
40 Acenaphthylene	152							
41 2,6-Dinitrotoluene	165							
* 42 Acenaphthene-d10	164		13.208	13.207	(1.000)	176889	20.0000	
43 3-Nitroaniline	138							
44 Acenaphthene	153							
45 2,4-Dinitrophenol	184							
46 Dibenzofuran	168							
47 4-Nitrophenol	109							
48 2,4-Dinitrotoluene	165							
50 Diethylphthalate	149							
49 Fluorene	166							
51 4-Chlorophenyl-phenylether	204							
52 4-Nitroaniline	138							
53 4,6-Dinitro-2-methylphenol	198							
54 N-Nitrosodiphenylamine	169							
\$ 55 2,4,6-Tribromophenol	330		14.500	14.500	(1.098)	52906	35.1511	35.15
56 4-Bromophenyl-phenylether	248							
57 Hexachlorobenzene	284							
58 Pentachlorophenol	266							
* 59 Phenanthrene-d10	188		15.584	15.584	(1.000)	318242	20.0000	
60 Phenanthrene	178							
61 Anthracene	178							
62 Carbazole	167							
63 Di-n-butylphthalate	149							
64 Fluoranthene	202							
65 Pyrene	202							
\$ 66 Terphenyl-d14	244		18.223	18.222	(0.916)	309767	20.3277	20.33
67 Butylbenzylphthalate	149							
68 Benzo(a)anthracene	228							
* 69 Chrysene-d12	240		19.900	19.905	(1.000)	320545	20.0000	
70 3,3'-Dichlorobenzidine	252							
71 Chrysene	228							
72 bis(2-Ethylhexyl)phthalate	149							
* 134 Di-n-octylphthalate-d4	153		21.016	21.021	(1.000)	415330	20.0000	
73 Di-n-octylphthalate	149							
74 Benzo(b)fluoranthene	252							
75 Benzo(k)fluoranthene	252							
76 Benzo(a)pyrene	252							
* 77 Perylene-d12	264		22.074	22.068	(1.000)	363035	20.0000	
78 Indeno(1,2,3-cd)pyrene	276							
79 Dibenzo(a,h)anthracene	278							
80 Benzo(g,h,i)perylene	276							
90 N-Nitrosodimethylamine	74							
103 Pyridine	79							
105 1-methylnaphthalene	141							
111 Azobenzene (1,2-DP-Hydrazine)	77							
187 Total Benzofluoranthenes	252							
144 alpha-Terpineol	59							

Compounds	QUANT SIG	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS	
	MASS					ON-COLUMN	FINAL
=====	====	====	=====	=====	=====	=====	

ARI Labs, Inc.

INTERNAL STANDARD COMPOUNDS
 AREA AND RT SUMMARY

Instrument ID: nt6.i Calibration Date: 22-JUN-2022
 Lab File ID: NT622062212.D Calibration Time: 10:58
 Lab Smp Id: 22F0267-09
 Analysis Type: SV Level:
 Quant Type: ISTD Sample Type:
 Operator: JZ
 Method File: \\target\share\chem3\nt6.i\20220622.b\SW84620220516.m
 Misc Info: 22-

Test Mode:
 Use Last Continuing Calibrator.

COMPOUND	STANDARD	AREA LIMIT		SAMPLE	%DIFF
		LOWER	UPPER		
8 1,4-Dichlorobenze	56102	28051	112204	80838	44.09
27 Naphthalene-d8	190364	95182	380728	284150	49.27
42 Acenaphthene-d10	122124	61062	244248	176889	44.84
59 Phenanthrene-d10	231281	115641	462562	318242	37.60
69 Chrysene-d12	202750	101375	405500	320545	58.10
134 Di-n-octylphthala	284466	142233	568932	415330	46.00
77 Perylene-d12	214859	107430	429718	363035	68.96

COMPOUND	STANDARD	RT LIMIT		SAMPLE	%DIFF
		LOWER	UPPER		
8 1,4-Dichlorobenze	8.31	7.81	8.81	8.31	0.01
27 Naphthalene-d8	10.35	9.85	10.85	10.35	-0.05
42 Acenaphthene-d10	13.21	12.71	13.71	13.21	0.00
59 Phenanthrene-d10	15.58	15.08	16.08	15.58	0.00
69 Chrysene-d12	19.91	19.41	20.41	19.90	-0.02
134 Di-n-octylphthala	21.02	20.52	21.52	21.02	-0.02
77 Perylene-d12	22.07	21.57	22.57	22.07	0.03

AREA UPPER LIMIT = +100% of internal standard area.
 AREA LOWER LIMIT = - 50% of internal standard area.
 RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
 RT LOWER LIMIT = - 0.50 minutes of internal standard RT.

REVIEW SUMMARY FOR FILE - NT622062212.D

Lab ID: 22F0267-09
nt6.i, SW84620220516.m, 22-JUN-2022 17:19

RT CO-ELUTION COMPOUNDS

NO CO-ELUTIONS

Quant Method: ICAL

No RRT check performed

On Column LOD for nt6.i, SW84620220516.m, LLMDL.sub = 0.2000

* Only compounds listed in the work order have been verified by the analyst *



Form I
ORGANIC ANALYSIS DATA SHEET
EPA 8270E
Semivolatile Organic Compounds (67 ug/kg -1 ug/L)

Laboratory: Analytical Resources, LLC
 Client: GeoEngineers
 Project: RG Haley Site-Bellingham
 Matrix: Water Laboratory ID: 22F0267-10 C SDG: 22F0267
 Sampled: 06/14/22 13:40 Prepared: 06/20/22 19:17 File ID: NT622062213.D
 % Solids: Preparation: EPA 3520C (Liq Liq) Analyzed: 06/22/22 17:53
 Batch: BKF0450 Sequence: SKF0267 Initial/Final: 500 mL / 0.5 mL
 Instrument: NT6 Column: ZB-5MSi Calibration: FE00035

CAS NO.	COMPOUND	DILUTION	(ug/L)	Q	DL	RL
91-20-3	Naphthalene	1	0.2	U	0.2	1.0
91-57-6	2-Methylnaphthalene	1	0.2	U	0.2	1.0
83-32-9	Acenaphthene	1	0.3	U	0.3	1.0
85-01-8	Phenanthrene	1	0.2	U	0.2	1.0
206-44-0	Fluoranthene	1	0.4	U	0.4	1.0
56-55-3	Benzo(a)anthracene	1	0.4	U	0.4	1.0
218-01-9	Chrysene	1	0.4	U	0.4	1.0
205-99-2	Benzo(b)fluoranthene	1	0.4	U	0.4	1.0
207-08-9	Benzo(k)fluoranthene	1	0.4	U	0.4	1.0
50-32-8	Benzo(a)pyrene	1	0.5	U	0.5	1.0
193-39-5	Indeno(1,2,3-cd)pyrene	1	0.4	U	0.4	1.0
53-70-3	Dibenzo(a,h)anthracene	1	0.4	U	0.4	1.0
90-12-0	1-Methylnaphthalene	1	0.3	U	0.3	1.0

SURROGATES	ADDED:(ug/L)	(ug/L)	% REC	QC LIMITS	Q
2-Fluorophenol	37.500	29.6	78.8	33 - 120	
Phenol-d5	37.500	29.1	77.5	38 - 120	
2-Chlorophenol-d4	37.500	29.9	79.9	41 - 120	
1,2-Dichlorobenzene-d4	25.000	19.4	77.8	20 - 120	
Nitrobenzene-d5	25.000	20.8	83.3	27 - 120	
2-Fluorobiphenyl	25.000	20.5	82.1	33 - 120	
2,4,6-Tribromophenol	37.500	35.6	95.0	52 - 120	
p-Terphenyl-d14	25.000	18.8	75.3	28 - 120	

Data File: \\target\share\chem3\nt6.1\20220622.B\NT622062213.D

Date: 22-JUN-2022 17:53

Client ID:

Sample Info: 22F0267-10

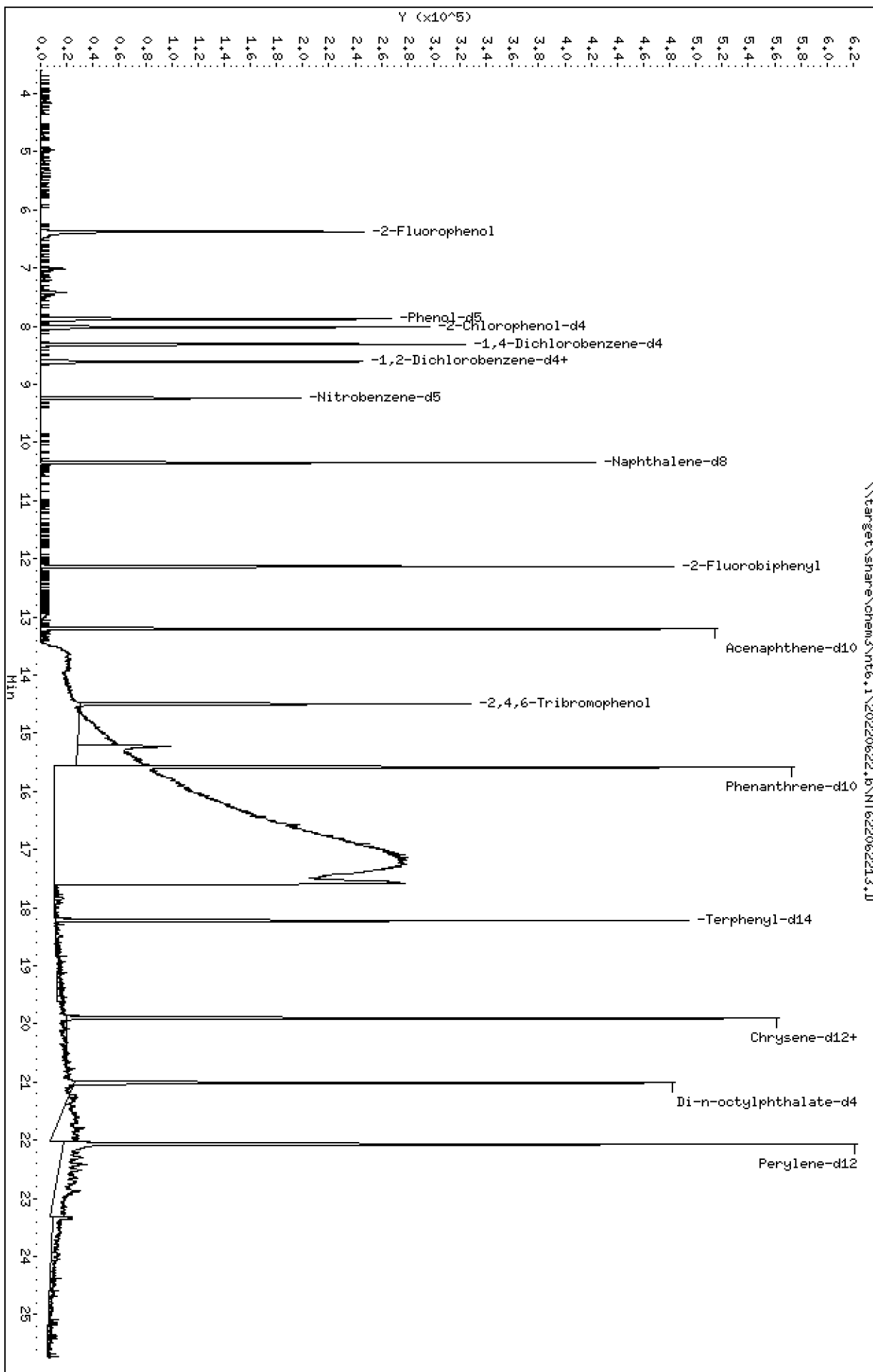
Column phase: ZB-5msi

Instrument: nt6.1

Operator: JZ

Column diameter: 0.32

Page 1



Date : 22-JUN-2022 17:53

Client ID:

Instrument: nt6.i

Sample Info: 22F0267-10

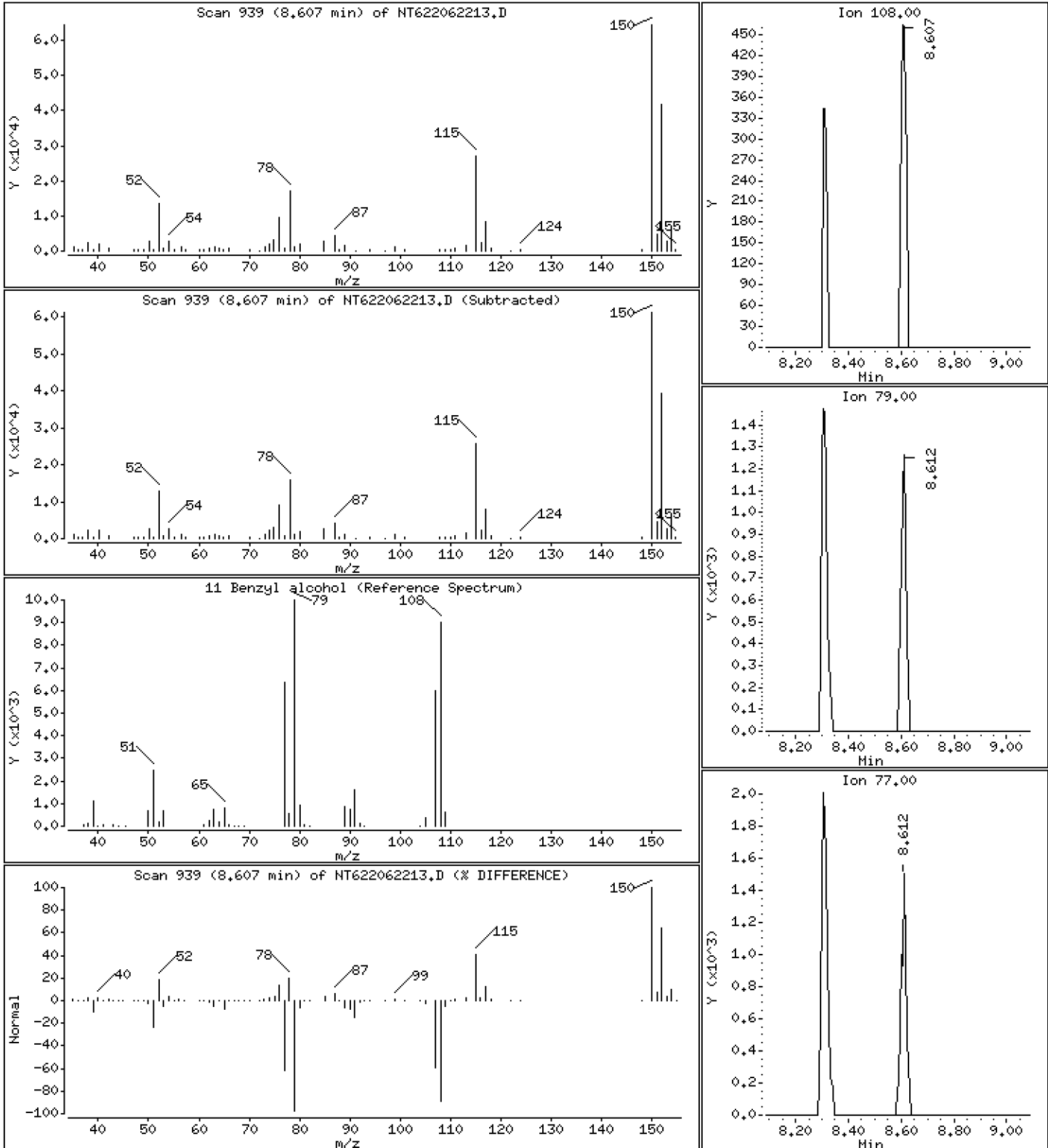
Operator: JZ

Column phase: ZB-5msi

Column diameter: 0.32

11 Benzyl alcohol

Concentration: 0.2508 ug/mL



Date : 22-JUN-2022 17:53

Client ID:

Instrument: nt6.i

Sample Info: 22F0267-10

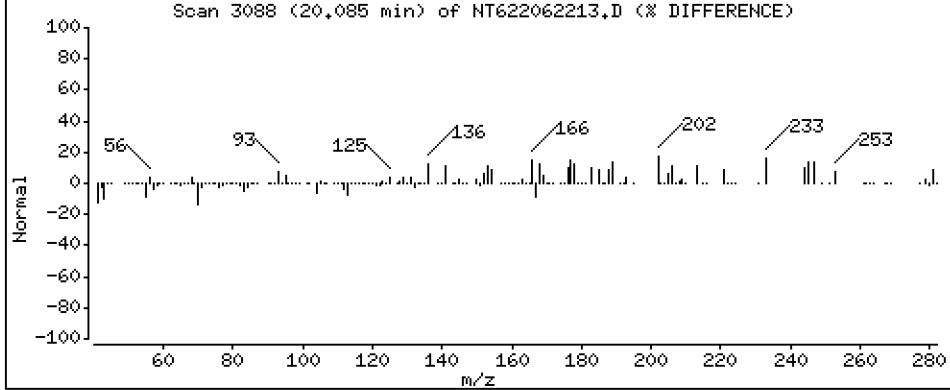
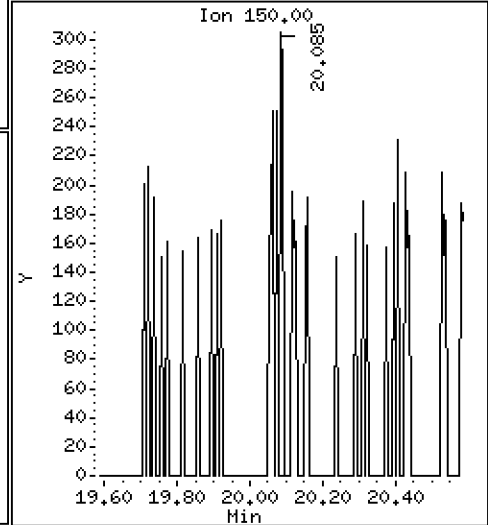
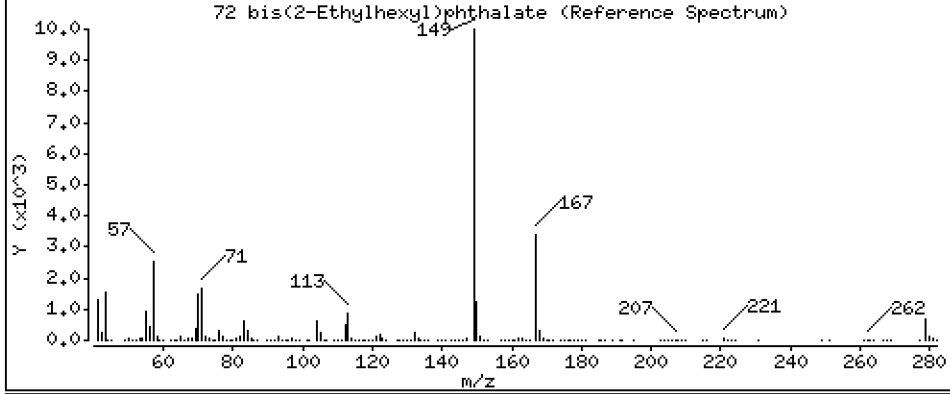
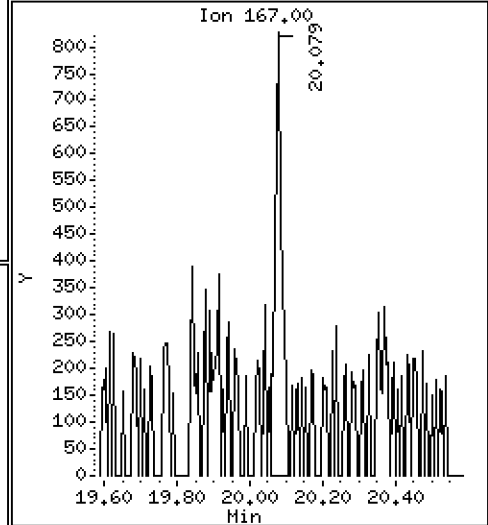
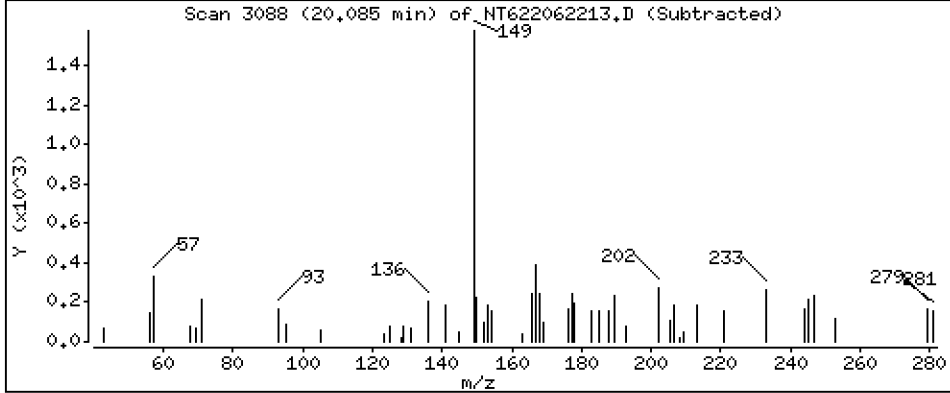
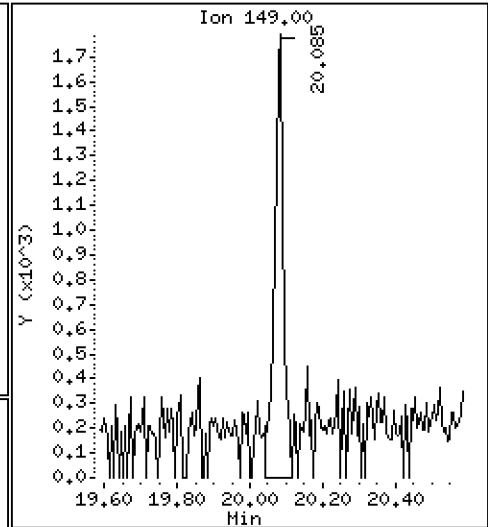
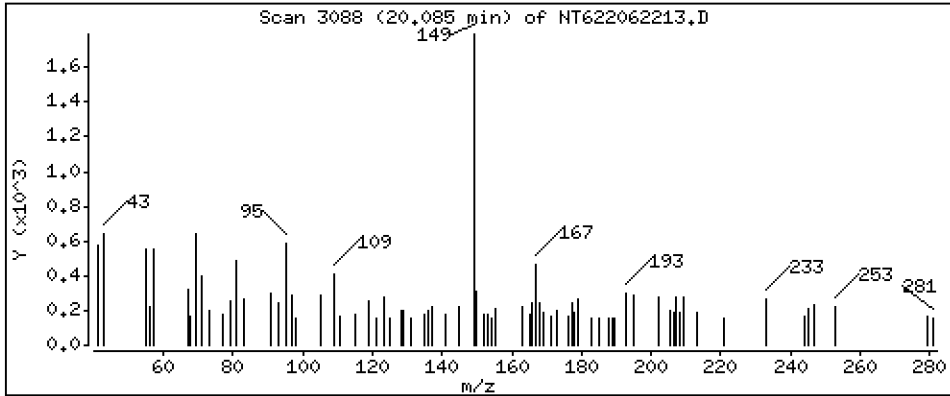
Operator: JZ

Column phase: ZB-5msi

Column diameter: 0.32

72 bis(2-Ethylhexyl)phthalate

Concentration: 0.3317 ug/mL



ARI Labs, Inc.

Semivolatile Report SW846 Method 8270D

Data file : \\target\share\chem3\nt6.i\20220622.b\NT622062213.D
 Lab Smp Id: 22F0267-10
 Inj Date : 22-JUN-2022 17:53
 Operator : JZ Inst ID: nt6.i
 Smp Info : 22F0267-10
 Misc Info : 22-
 Comment : 1ul Injection
 Method : \\target\share\chem3\nt6.i\20220622.b\SW84620220516.m
 Meth Date : 24-Jun-2022 18:07 jianqing Quant Type: ISTD
 Cal Date : 16-MAY-2022 18:52 Cal File: NT622051604.D
 Als bottle: 13
 Dil Factor: 1.00000
 Integrator: HP RTE Compound Sublist: LLM DL.sub
 Target Version: 4.14
 Processing Host: JIANQING-202105

Compounds	QUANT	SIG	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS	
							ON-COLUMN	FINAL
	MASS						(ug/mL)	(ug/mL)
\$ 1 2-Fluorophenol	112		6.368	6.370	(0.766)	125644	29.5557	29.56
\$ 2 Phenol-d5	99		7.875	7.877	(0.947)	141367	29.0703	29.07
3 Phenol	94		Compound Not Detected.					
\$ 5 2-Chlorophenol-d4	132		8.013	8.016	(0.964)	131635	29.9488	29.95
4 Bis(2-Chloroethyl)ether	93		Compound Not Detected.					
6 2-Chlorophenol	128		Compound Not Detected.					
7 1,3-Dichlorobenzene	146		Compound Not Detected.					
* 8 1,4-Dichlorobenzene-d4	152		8.312	8.309	(1.000)	78651	20.0000	
9 1,4-Dichlorobenzene	146		Compound Not Detected.					
\$ 10 1,2-Dichlorobenzene-d4	152		8.606	8.608	(1.035)	61150	19.4400	19.44
12 1,2-Dichlorobenzene	146		Compound Not Detected.					
11 Benzyl alcohol	108		8.606	8.587	(1.035)	662	0.25077	0.2508
14 2,2'-oxybis(1-Chloropropane)	45		Compound Not Detected.					
13 2-Methylphenol	108		Compound Not Detected.					
17 Hexachloroethane	117		Compound Not Detected.					
16 N-Nitroso-di-n-propylamine	70		Compound Not Detected.					
15 4-Methylphenol	108		Compound Not Detected.					
\$ 18 Nitrobenzene-d5	82		9.236	9.239	(0.893)	89674	20.8276	20.83
19 Nitrobenzene	77		Compound Not Detected.					
20 Isophorone	82		Compound Not Detected.					
21 2-Nitrophenol	139		Compound Not Detected.					
22 2,4-Dimethylphenol	107		Compound Not Detected.					
23 Bis(2-Chloroethoxy)methane	93		Compound Not Detected.					
24 Benzoic acid	105		Compound Not Detected.					
25 2,4-Dichlorophenol	162		Compound Not Detected.					
26 1,2,4-Trichlorobenzene	180		Compound Not Detected.					
* 27 Naphthalene-d8	136		10.347	10.350	(1.000)	280385	20.0000	
28 Naphthalene	128		Compound Not Detected.					
29 4-Chloroaniline	127		Compound Not Detected.					
30 Hexachlorobutadiene	225		Compound Not Detected.					
31 4-Chloro-3-methylphenol	107		Compound Not Detected.					
32 2-Methylnaphthalene	141		Compound Not Detected.					
33 Hexachlorocyclopentadiene	237		Compound Not Detected.					

Compounds	QUANT	SIG	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS	
							ON-COLUMN (ug/mL)	FINAL (ug/mL)
=====	=====	=====	=====	=====	=====	=====	=====	=====
34 2,4,6-Trichlorophenol	196							
35 2,4,5-Trichlorophenol	196							
\$ 36 2-Fluorobiphenyl	172		12.131	12.133	(0.919)	214067	20.5257	20.53
37 2-Chloronaphthalene	162							
38 2-Nitroaniline	65							
39 Dimethylphthalate	163							
40 Acenaphthylene	152							
41 2,6-Dinitrotoluene	165							
* 42 Acenaphthene-d10	164		13.205	13.207	(1.000)	171438	20.0000	
43 3-Nitroaniline	138							
44 Acenaphthene	153							
45 2,4-Dinitrophenol	184							
46 Dibenzofuran	168							
47 4-Nitrophenol	109							
48 2,4-Dinitrotoluene	165							
50 Diethylphthalate	149							
49 Fluorene	166							
51 4-Chlorophenyl-phenylether	204							
52 4-Nitroaniline	138							
53 4,6-Dinitro-2-methylphenol	198							
54 N-Nitrosodiphenylamine	169							
\$ 55 2,4,6-Tribromophenol	330		14.497	14.500	(1.098)	51986	35.6380	35.64
56 4-Bromophenyl-phenylether	248							
57 Hexachlorobenzene	284							
58 Pentachlorophenol	266							
* 59 Phenanthrene-d10	188		15.582	15.584	(1.000)	306007	20.0000	
60 Phenanthrene	178							
61 Anthracene	178							
62 Carbazole	167							
63 Di-n-butylphthalate	149							
64 Fluoranthene	202							
65 Pyrene	202							
\$ 66 Terphenyl-d14	244		18.225	18.222	(0.916)	279975	18.8181	18.82
67 Butylbenzylphthalate	149							
68 Benzo(a)anthracene	228							
* 69 Chrysene-d12	240		19.903	19.905	(1.000)	312959	20.0000	
70 3,3'-Dichlorobenzidine	252							
71 Chrysene	228							
72 bis(2-Ethylhexyl)phthalate	149		20.084	20.086	(0.956)	3097	0.33174	0.3317
* 134 Di-n-octylphthalate-d4	153		21.014	21.021	(1.000)	403535	20.0000	
73 Di-n-octylphthalate	149							
74 Benzo(b)fluoranthene	252							
75 Benzo(k)fluoranthene	252							
76 Benzo(a)pyrene	252							
* 77 Perylene-d12	264		22.071	22.068	(1.000)	344395	20.0000	
78 Indeno(1,2,3-cd)pyrene	276							
79 Dibenzo(a,h)anthracene	278							
80 Benzo(g,h,i)perylene	276							
90 N-Nitrosodimethylamine	74							
103 Pyridine	79							
105 1-methylnaphthalene	141							
111 Azobenzene (1,2-DP-Hydrazine)	77							
187 Total Benzofluoranthenes	252							
144 alpha-Terpineol	59							

Compounds	QUANT SIG	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS	
	MASS					ON-COLUMN	FINAL
=====	====	====	=====	=====	=====	=====	

ARI Labs, Inc.

INTERNAL STANDARD COMPOUNDS
 AREA AND RT SUMMARY

Instrument ID: nt6.i Calibration Date: 22-JUN-2022
 Lab File ID: NT622062213.D Calibration Time: 10:58
 Lab Smp Id: 22F0267-10
 Analysis Type: SV Level:
 Quant Type: ISTD Sample Type:
 Operator: JZ
 Method File: \\target\share\chem3\nt6.i\20220622.b\SW84620220516.m
 Misc Info: 22-

Test Mode:
 Use Last Continuing Calibrator.

COMPOUND	STANDARD	AREA LIMIT		SAMPLE	%DIFF
		LOWER	UPPER		
8 1,4-Dichlorobenze	56102	28051	112204	78651	40.19
27 Naphthalene-d8	190364	95182	380728	280385	47.29
42 Acenaphthene-d10	122124	61062	244248	171438	40.38
59 Phenanthrene-d10	231281	115641	462562	306007	32.31
69 Chrysene-d12	202750	101375	405500	312959	54.36
134 Di-n-octylphthala	284466	142233	568932	403535	41.86
77 Perylene-d12	214859	107430	429718	344395	60.29

COMPOUND	STANDARD	RT LIMIT		SAMPLE	%DIFF
		LOWER	UPPER		
8 1,4-Dichlorobenze	8.31	7.81	8.81	8.31	0.04
27 Naphthalene-d8	10.35	9.85	10.85	10.35	-0.02
42 Acenaphthene-d10	13.21	12.71	13.71	13.21	-0.02
59 Phenanthrene-d10	15.58	15.08	16.08	15.58	-0.01
69 Chrysene-d12	19.91	19.41	20.41	19.90	-0.01
134 Di-n-octylphthala	21.02	20.52	21.52	21.01	-0.04
77 Perylene-d12	22.07	21.57	22.57	22.07	0.01

AREA UPPER LIMIT = +100% of internal standard area.
 AREA LOWER LIMIT = - 50% of internal standard area.
 RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
 RT LOWER LIMIT = - 0.50 minutes of internal standard RT.

REVIEW SUMMARY FOR FILE - NT622062213.D

Lab ID: 22F0267-10
nt6.i, SW84620220516.m, 22-JUN-2022 17:53

RT	CO-ELUTION COMPOUNDS
8.607	1,2-Dichlorobenzene-d4 and Benzyl alcohol

Quant Method: ICAL

No RRT check performed

On Column LOD for nt6.i, SW84620220516.m, LLMDL.sub = 0.2000

* Only compounds listed in the work order have been verified by the analyst *



Form I
ORGANIC ANALYSIS DATA SHEET
EPA 8270E
Semivolatile Organic Compounds (67 ug/kg -1 ug/L)

Laboratory: Analytical Resources, LLC
 Client: GeoEngineers
 Project: RG Haley Site-Bellingham
 Matrix: Water Laboratory ID: 22F0267-11 C SDG: 22F0267
 Sampled: 06/15/22 10:30 Prepared: 06/20/22 19:17 File ID: NT622062214.D
 % Solids: Preparation: EPA 3520C (Liq Liq) Analyzed: 06/22/22 18:26
 Batch: BKF0450 Sequence: SKF0267 Initial/Final: 500 mL / 0.5 mL
 Instrument: NT6 Column: ZB-5MSi Calibration: FE00035

CAS NO.	COMPOUND	DILUTION	(ug/L)	Q	DL	RL
91-20-3	Naphthalene	1	0.2	U	0.2	1.0
91-57-6	2-Methylnaphthalene	1	0.2	U	0.2	1.0
83-32-9	Acenaphthene	1	0.3	U	0.3	1.0
85-01-8	Phenanthrene	1	0.2	U	0.2	1.0
206-44-0	Fluoranthene	1	0.4	U	0.4	1.0
56-55-3	Benzo(a)anthracene	1	0.4	U	0.4	1.0
218-01-9	Chrysene	1	0.4	U	0.4	1.0
205-99-2	Benzo(b)fluoranthene	1	0.4	U	0.4	1.0
207-08-9	Benzo(k)fluoranthene	1	0.4	U	0.4	1.0
50-32-8	Benzo(a)pyrene	1	0.5	U	0.5	1.0
193-39-5	Indeno(1,2,3-cd)pyrene	1	0.4	U	0.4	1.0
53-70-3	Dibenzo(a,h)anthracene	1	0.4	U	0.4	1.0
90-12-0	1-Methylnaphthalene	1	0.3	U	0.3	1.0

SURROGATES	ADDED:(ug/L)	(ug/L)	% REC	QC LIMITS	Q
2-Fluorophenol	37.500	27.7	73.8	33 - 120	
Phenol-d5	37.500	26.8	71.5	38 - 120	
2-Chlorophenol-d4	37.500	28.4	75.7	41 - 120	
1,2-Dichlorobenzene-d4	25.000	17.2	68.7	20 - 120	
Nitrobenzene-d5	25.000	19.5	78.1	27 - 120	
2-Fluorobiphenyl	25.000	18.5	74.0	33 - 120	
2,4,6-Tribromophenol	37.500	31.9	85.0	52 - 120	
p-Terphenyl-d14	25.000	17.3	69.1	28 - 120	

Data File: \\target\share\chem3\nt6.1\20220622.B\NT622062214.D

Date: 22-JUN-2022 18:26

Client ID:

Sample Info: 22F0267-11

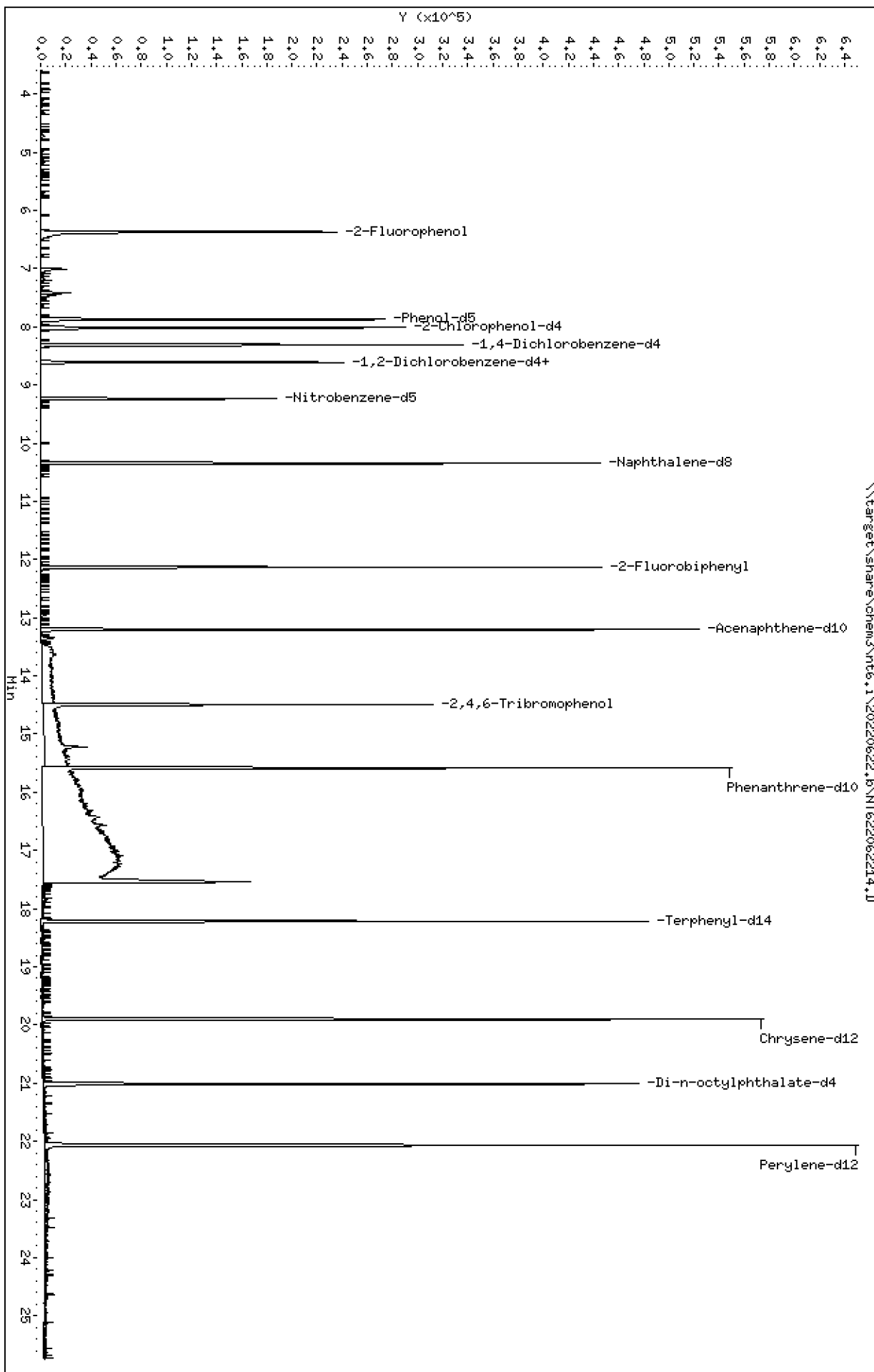
Column phase: ZB-5msi

Instrument: nt6.1

Operator: JZ

Column diameter: 0.32

\\target\share\chem3\nt6.1\20220622.B\NT622062214.D



Date : 22-JUN-2022 18:26

Client ID:

Instrument: nt6.i

Sample Info: 22F0267-11

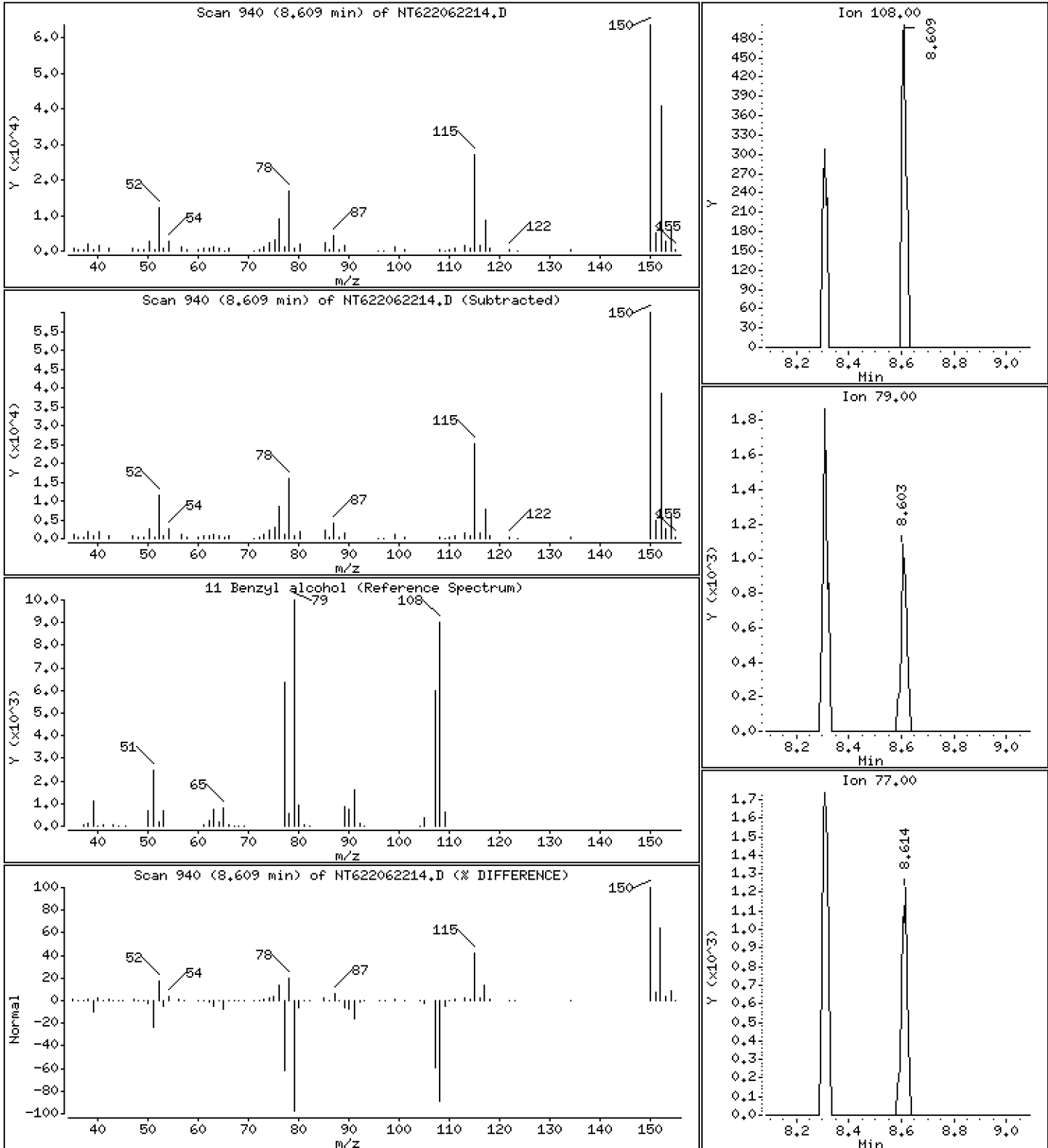
Operator: JZ

Column phase: ZB-5msi

Column diameter: 0.32

11 Benzyl alcohol

Concentration: 0.2286 ug/mL



ARI Labs, Inc.

Semivolatile Report SW846 Method 8270D

Data file : \\target\share\chem3\nt6.i\20220622.b\NT622062214.D
 Lab Smp Id: 22F0267-11
 Inj Date : 22-JUN-2022 18:26
 Operator : JZ Inst ID: nt6.i
 Smp Info : 22F0267-11
 Misc Info : 22-
 Comment : 1ul Injection
 Method : \\target\share\chem3\nt6.i\20220622.b\SW84620220516.m
 Meth Date : 24-Jun-2022 18:07 jianqing Quant Type: ISTD
 Cal Date : 16-MAY-2022 18:52 Cal File: NT622051604.D
 Als bottle: 14
 Dil Factor: 1.00000
 Integrator: HP RTE Compound Sublist: LLM DL.sub
 Target Version: 4.14
 Processing Host: JIANQING-202105

Compounds	QUANT	SIG	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS	
							ON-COLUMN (ug/mL)	FINAL (ug/mL)
\$ 1 2-Fluorophenol	112		6.370	6.370	(0.767)	125614	27.6868	27.69
\$ 2 Phenol-d5	99		7.871	7.877	(0.947)	139060	26.7940	26.79
3 Phenol	94		Compound Not Detected.					
\$ 5 2-Chlorophenol-d4	132		8.015	8.016	(0.965)	133181	28.3913	28.39
4 Bis(2-Chloroethyl)ether	93		Compound Not Detected.					
6 2-Chlorophenol	128		Compound Not Detected.					
7 1,3-Dichlorobenzene	146		Compound Not Detected.					
* 8 1,4-Dichlorobenzene-d4	152		8.309	8.309	(1.000)	83940	20.0000	
9 1,4-Dichlorobenzene	146		Compound Not Detected.					
\$ 10 1,2-Dichlorobenzene-d4	152		8.608	8.608	(1.036)	57634	17.1677	17.17
12 1,2-Dichlorobenzene	146		Compound Not Detected.					
11 Benzyl alcohol	108		8.608	8.587	(1.036)	644	0.22858	0.2286
14 2,2'-oxybis(1-Chloropropane)	45		Compound Not Detected.					
13 2-Methylphenol	108		Compound Not Detected.					
17 Hexachloroethane	117		Compound Not Detected.					
16 N-Nitroso-di-n-propylamine	70		Compound Not Detected.					
15 4-Methylphenol	108		Compound Not Detected.					
\$ 18 Nitrobenzene-d5	82		9.233	9.239	(0.893)	87574	19.5354	19.54
19 Nitrobenzene	77		Compound Not Detected.					
20 Isophorone	82		Compound Not Detected.					
21 2-Nitrophenol	139		Compound Not Detected.					
22 2,4-Dimethylphenol	107		Compound Not Detected.					
23 Bis(2-Chloroethoxy)methane	93		Compound Not Detected.					
24 Benzoic acid	105		Compound Not Detected.					
25 2,4-Dichlorophenol	162		Compound Not Detected.					
26 1,2,4-Trichlorobenzene	180		Compound Not Detected.					
* 27 Naphthalene-d8	136		10.344	10.350	(1.000)	291931	20.0000	
28 Naphthalene	128		Compound Not Detected.					
29 4-Chloroaniline	127		Compound Not Detected.					
30 Hexachlorobutadiene	225		Compound Not Detected.					
31 4-Chloro-3-methylphenol	107		Compound Not Detected.					
32 2-Methylnaphthalene	141		Compound Not Detected.					
33 Hexachlorocyclopentadiene	237		Compound Not Detected.					

Compounds	QUANT	SIG	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS	
							ON-COLUMN (ug/mL)	FINAL (ug/mL)
=====	=====	=====	=====	=====	=====	=====	=====	=====
34 2,4,6-Trichlorophenol	196							
35 2,4,5-Trichlorophenol	196							
\$ 36 2-Fluorobiphenyl	172		12.133	12.133	(0.919)	205636	18.4912	18.49
37 2-Chloronaphthalene	162							
38 2-Nitroaniline	65							
39 Dimethylphthalate	163							
40 Acenaphthylene	152							
41 2,6-Dinitrotoluene	165							
* 42 Acenaphthene-d10	164		13.207	13.207	(1.000)	182806	20.0000	
43 3-Nitroaniline	138							
44 Acenaphthene	153							
45 2,4-Dinitrophenol	184							
46 Dibenzofuran	168							
47 4-Nitrophenol	109							
48 2,4-Dinitrotoluene	165							
50 Diethylphthalate	149							
49 Fluorene	166							
51 4-Chlorophenyl-phenylether	204							
52 4-Nitroaniline	138							
53 4,6-Dinitro-2-methylphenol	198							
54 N-Nitrosodiphenylamine	169							
\$ 55 2,4,6-Tribromophenol	330		14.494	14.500	(1.097)	49587	31.8795	31.88
56 4-Bromophenyl-phenylether	248							
57 Hexachlorobenzene	284							
58 Pentachlorophenol	266							
* 59 Phenanthrene-d10	188		15.583	15.584	(1.000)	324771	20.0000	
60 Phenanthrene	178							
61 Anthracene	178							
62 Carbazole	167							
63 Di-n-butylphthalate	149							
64 Fluoranthene	202							
65 Pyrene	202							
\$ 66 Terphenyl-d14	244		18.222	18.222	(0.916)	269142	17.2743	17.27
67 Butylbenzylphthalate	149							
68 Benzo(a)anthracene	228							
* 69 Chrysene-d12	240		19.899	19.905	(1.000)	327736	20.0000	
70 3,3'-Dichlorobenzidine	252							
71 Chrysene	228							
72 bis(2-Ethylhexyl)phthalate	149							
* 134 Di-n-octylphthalate-d4	153		21.015	21.021	(1.000)	419918	20.0000	
73 Di-n-octylphthalate	149							
74 Benzo(b)fluoranthene	252							
75 Benzo(k)fluoranthene	252							
76 Benzo(a)pyrene	252							
* 77 Perylene-d12	264		22.068	22.068	(1.000)	371340	20.0000	
78 Indeno(1,2,3-cd)pyrene	276							
79 Dibenzo(a,h)anthracene	278							
80 Benzo(g,h,i)perylene	276							
90 N-Nitrosodimethylamine	74							
103 Pyridine	79							
105 1-methylnaphthalene	141							
111 Azobenzene (1,2-DP-Hydrazine)	77							
187 Total Benzofluoranthenes	252							
144 alpha-Terpineol	59							

Compounds	QUANT SIG	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS	
	MASS					ON-COLUMN	FINAL
=====	=====	=====	=====	=====	=====	=====	

ARI Labs, Inc.

INTERNAL STANDARD COMPOUNDS
 AREA AND RT SUMMARY

Instrument ID: nt6.i Calibration Date: 22-JUN-2022
 Lab File ID: NT622062214.D Calibration Time: 10:58
 Lab Smp Id: 22F0267-11
 Analysis Type: SV Level:
 Quant Type: ISTD Sample Type:
 Operator: JZ
 Method File: \\target\share\chem3\nt6.i\20220622.b\SW84620220516.m
 Misc Info: 22-

Test Mode:
 Use Last Continuing Calibrator.

COMPOUND	STANDARD	AREA LIMIT		SAMPLE	%DIFF
		LOWER	UPPER		
8 1,4-Dichlorobenze	56102	28051	112204	83940	49.62
27 Naphthalene-d8	190364	95182	380728	291931	53.35
42 Acenaphthene-d10	122124	61062	244248	182806	49.69
59 Phenanthrene-d10	231281	115641	462562	324771	40.42
69 Chrysene-d12	202750	101375	405500	327736	61.65
134 Di-n-octylphthala	284466	142233	568932	419918	47.62
77 Perylene-d12	214859	107430	429718	371340	72.83

COMPOUND	STANDARD	RT LIMIT		SAMPLE	%DIFF
		LOWER	UPPER		
8 1,4-Dichlorobenze	8.31	7.81	8.81	8.31	-0.00
27 Naphthalene-d8	10.35	9.85	10.85	10.34	-0.05
42 Acenaphthene-d10	13.21	12.71	13.71	13.21	-0.00
59 Phenanthrene-d10	15.58	15.08	16.08	15.58	-0.00
69 Chrysene-d12	19.91	19.41	20.41	19.90	-0.03
134 Di-n-octylphthala	21.02	20.52	21.52	21.02	-0.03
77 Perylene-d12	22.07	21.57	22.57	22.07	-0.00

AREA UPPER LIMIT = +100% of internal standard area.
 AREA LOWER LIMIT = - 50% of internal standard area.
 RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
 RT LOWER LIMIT = - 0.50 minutes of internal standard RT.

REVIEW SUMMARY FOR FILE - NT622062214.D

Lab ID: 22F0267-11
nt6.i, SW84620220516.m, 22-JUN-2022 18:26

RT	CO-ELUTION COMPOUNDS
8.609	1,2-Dichlorobenzene-d4 and Benzyl alcohol

Quant Method: ICAL

No RRT check performed

On Column LOD for nt6.i, SW84620220516.m, LLMDL.sub = 0.2000

* Only compounds listed in the work order have been verified by the analyst *



Form I
ORGANIC ANALYSIS DATA SHEET
EPA 8270E
Semivolatile Organic Compounds (67 ug/kg -1 ug/L)

Laboratory: Analytical Resources, LLC

Client: GeoEngineers

Project: RG Haley Site-Bellingham

Matrix: Water

Laboratory ID: 22F0267-12 C

SDG: 22F0267

Sampled: 06/15/22 10:00

Prepared: 06/20/22 19:17

File ID: NT622062215.D

% Solids:

Preparation: EPA 3520C (Liq Liq)

Analyzed: 06/22/22 19:00

Batch: BKF0450

Sequence: SKF0267

Initial/Final: 500 mL / 0.5 mL

Instrument: NT6

Column: ZB-5MSi

Calibration: FE00035

CAS NO.	COMPOUND	DILUTION	(ug/L)	Q	DL	RL
91-20-3	Naphthalene	1	0.2	U	0.2	1.0
91-57-6	2-Methylnaphthalene	1	0.2	U	0.2	1.0
83-32-9	Acenaphthene	1	0.3	U	0.3	1.0
85-01-8	Phenanthrene	1	0.2	U	0.2	1.0
206-44-0	Fluoranthene	1	0.4	U	0.4	1.0
56-55-3	Benzo(a)anthracene	1	0.4	U	0.4	1.0
218-01-9	Chrysene	1	0.4	U	0.4	1.0
205-99-2	Benzo(b)fluoranthene	1	0.4	U	0.4	1.0
207-08-9	Benzo(k)fluoranthene	1	0.4	U	0.4	1.0
50-32-8	Benzo(a)pyrene	1	0.5	U	0.5	1.0
193-39-5	Indeno(1,2,3-cd)pyrene	1	0.4	U	0.4	1.0
53-70-3	Dibenzo(a,h)anthracene	1	0.4	U	0.4	1.0
90-12-0	1-Methylnaphthalene	1	0.3	U	0.3	1.0

SURROGATES	ADDED:(ug/L)	(ug/L)	% REC	QC LIMITS	Q
2-Fluorophenol	37.500	26.7	71.3	33 - 120	
Phenol-d5	37.500	26.4	70.4	38 - 120	
2-Chlorophenol-d4	37.500	27.2	72.6	41 - 120	
1,2-Dichlorobenzene-d4	25.000	17.4	69.8	20 - 120	
Nitrobenzene-d5	25.000	19.9	79.6	27 - 120	
2-Fluorobiphenyl	25.000	19.3	77.3	33 - 120	
2,4,6-Tribromophenol	37.500	31.6	84.4	52 - 120	
p-Terphenyl-d14	25.000	17.8	71.2	28 - 120	

Data File: \\target\share\chem3\nt6.1\20220622.B\NT622062215.D

Date: 22-JUN-2022 19:00

Client ID:

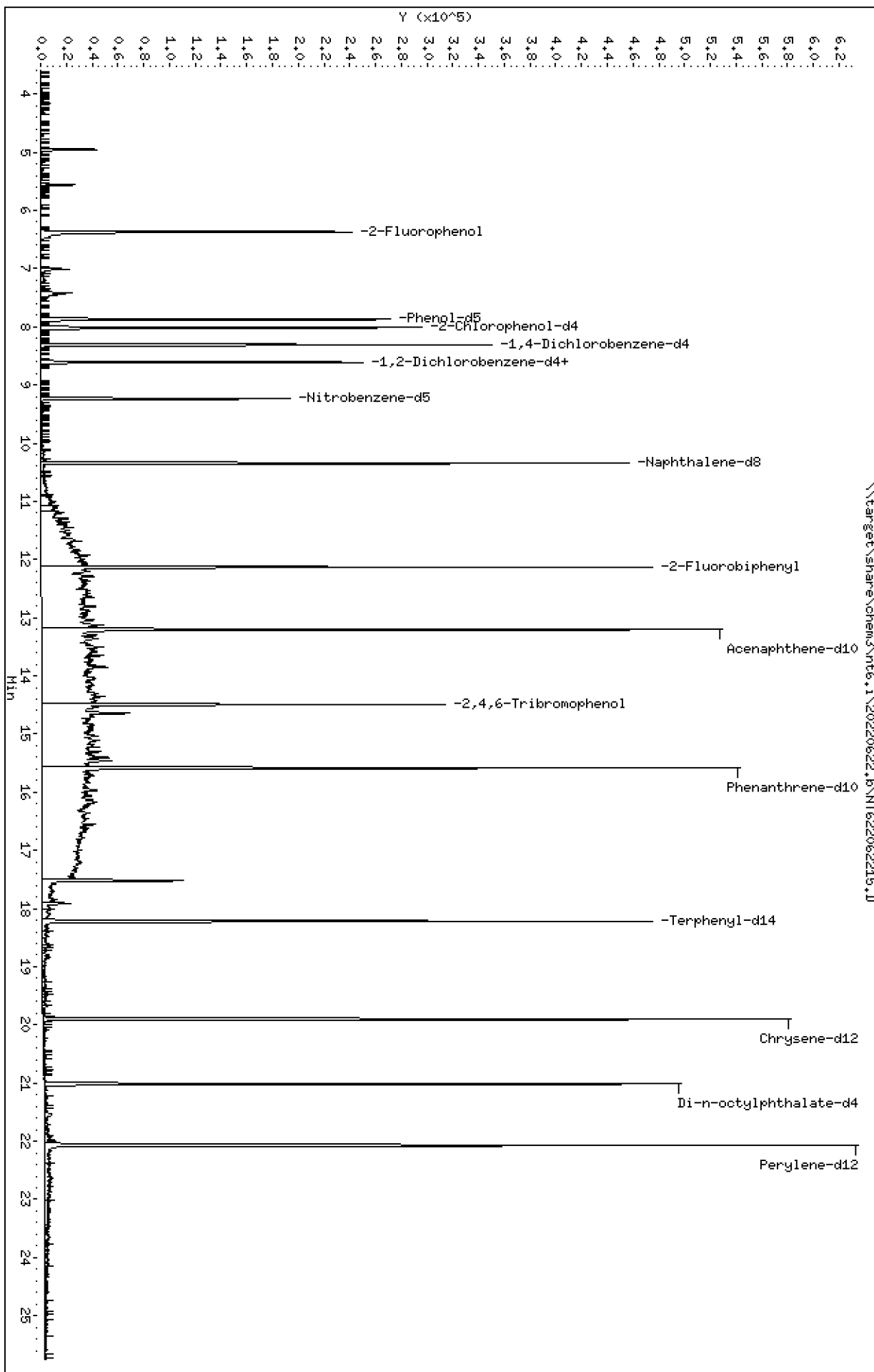
Sample Info: 22F0267-12

Column phase: ZB-5msi

Instrument: nt6.1

Operator: JZ

Column diameter: 0.32



Date : 22-JUN-2022 19:00

Client ID:

Instrument: nt6.i

Sample Info: 22F0267-12

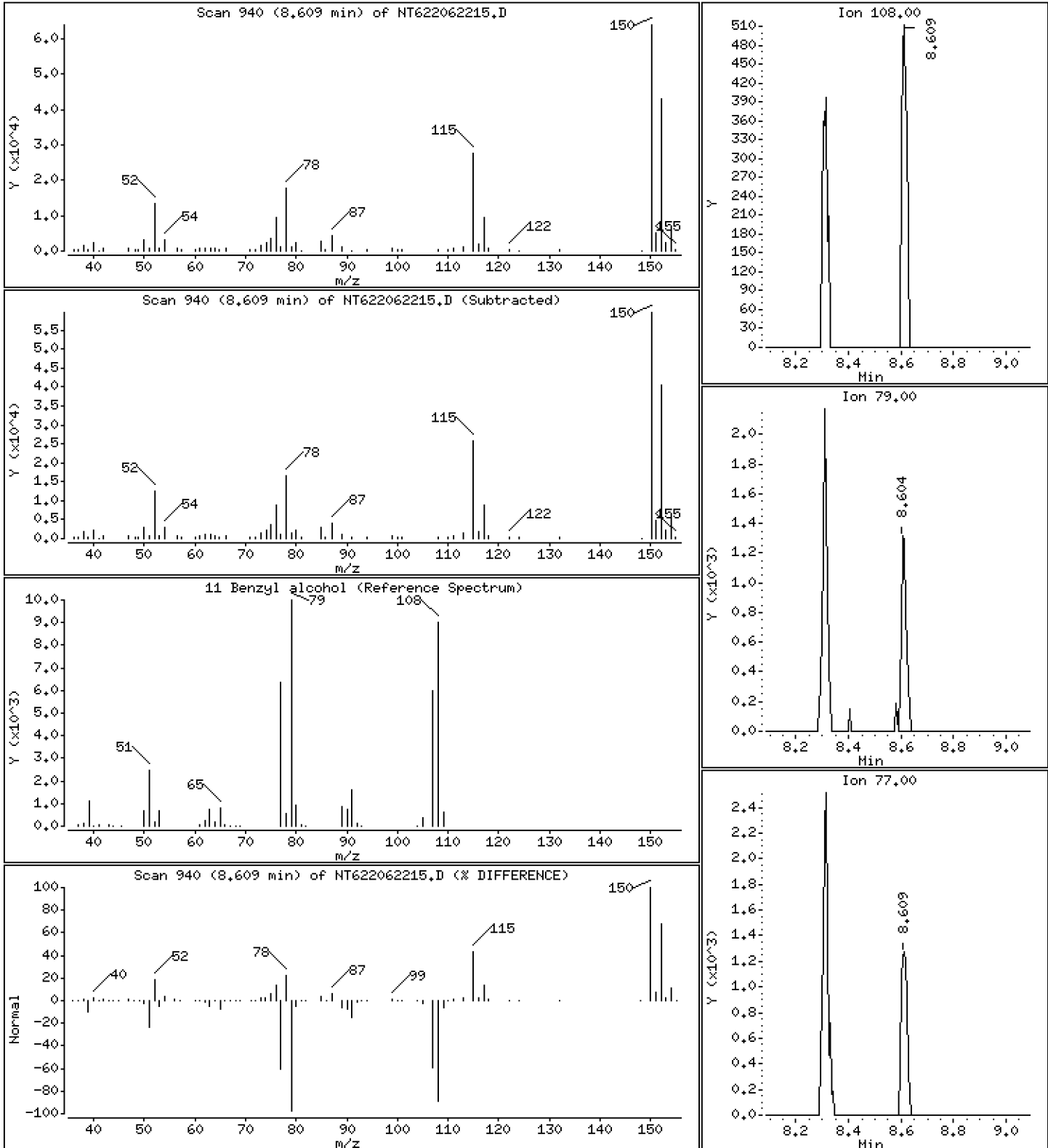
Operator: JZ

Column phase: ZB-5msi

Column diameter: 0.32

11 Benzyl alcohol

Concentration: 0.2465 ug/mL



Date : 22-JUN-2022 19:00

Client ID:

Instrument: nt6.i

Sample Info: 22F0267-12

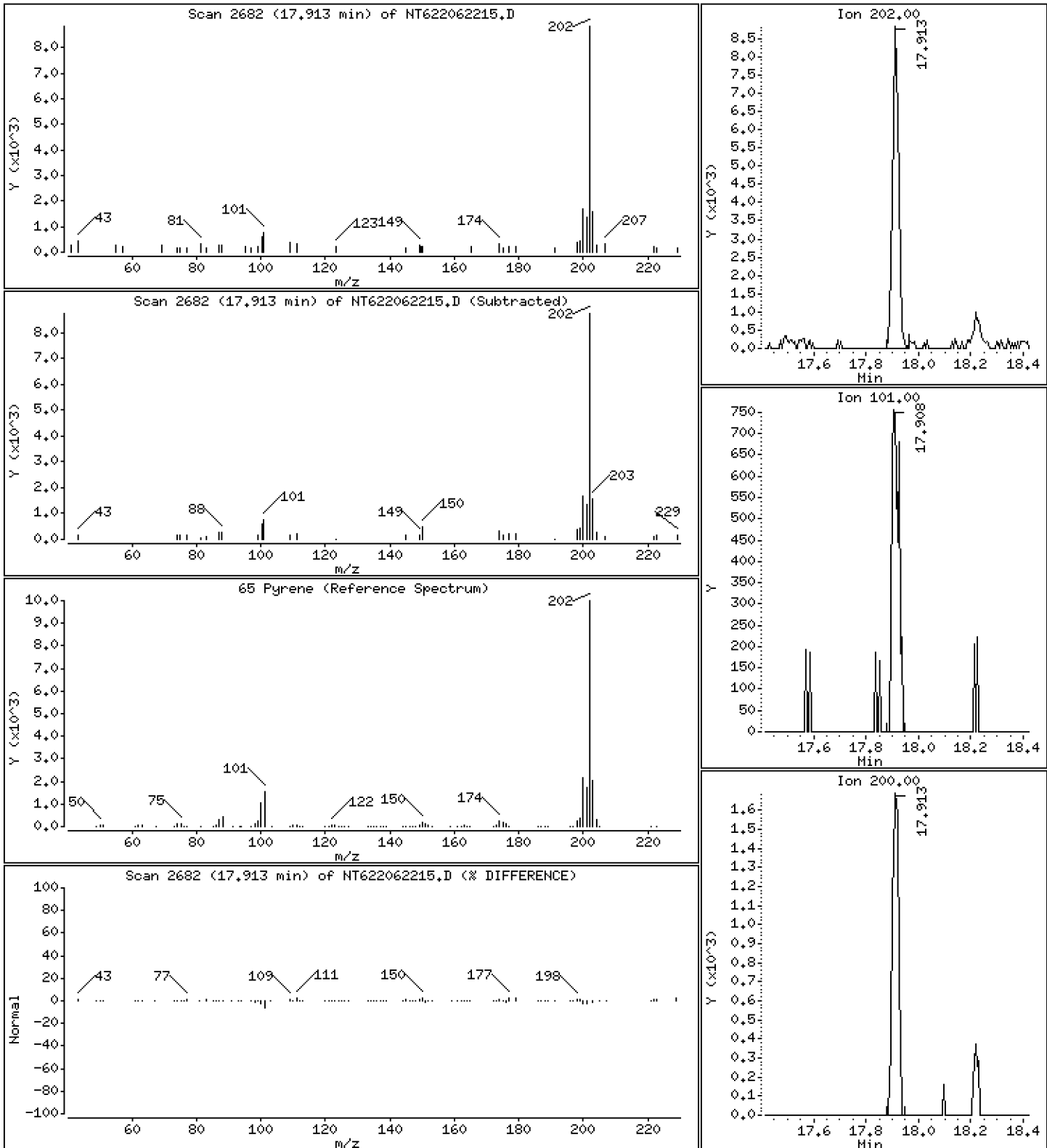
Operator: JZ

Column phase: ZB-5msi

Column diameter: 0.32

65 Pyrene

Concentration: 0.5652 ug/mL



Date : 22-JUN-2022 19:00

Client ID:

Instrument: nt6.i

Sample Info: 22F0267-12

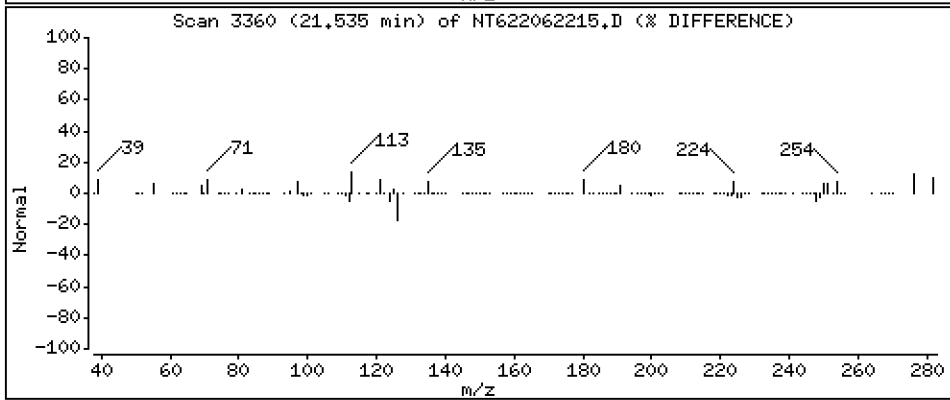
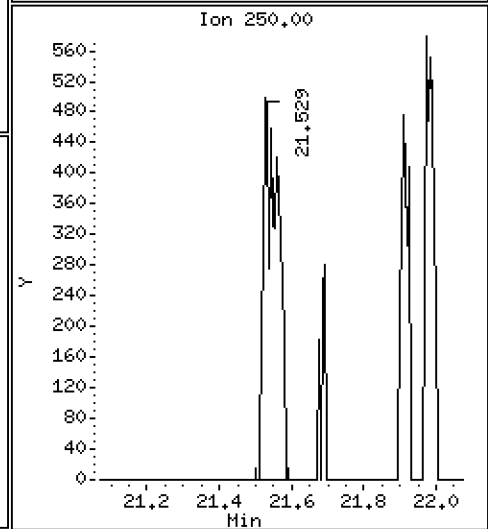
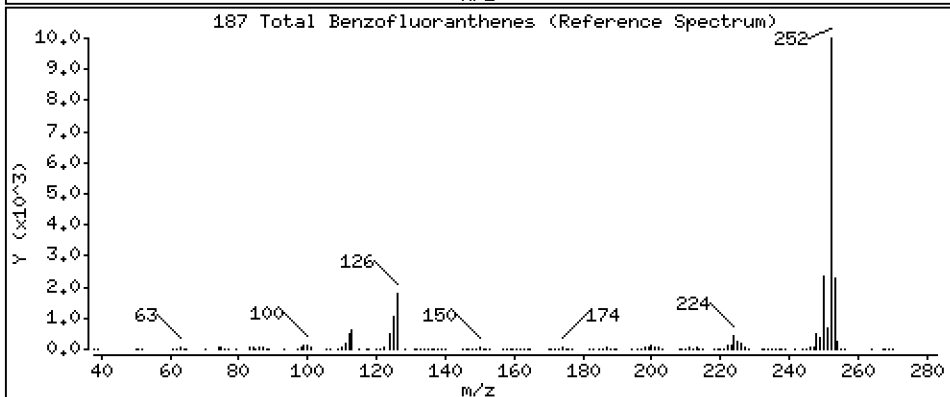
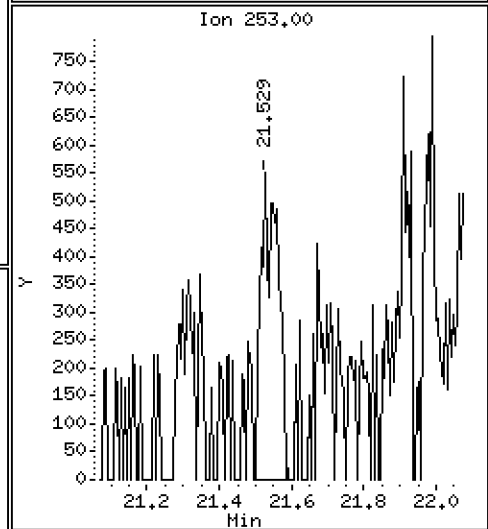
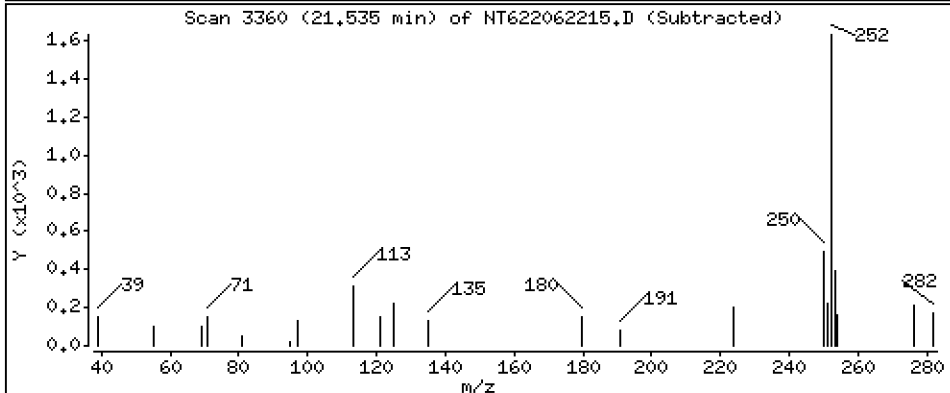
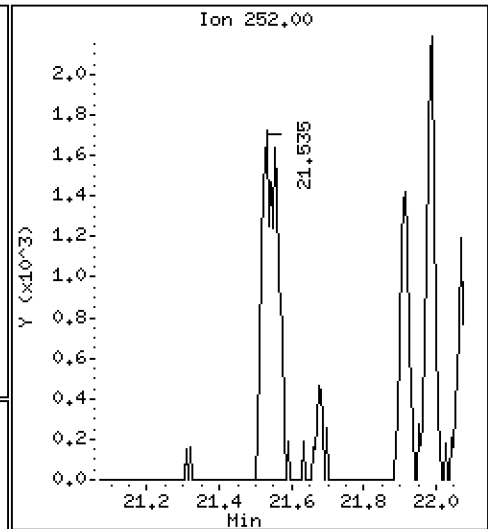
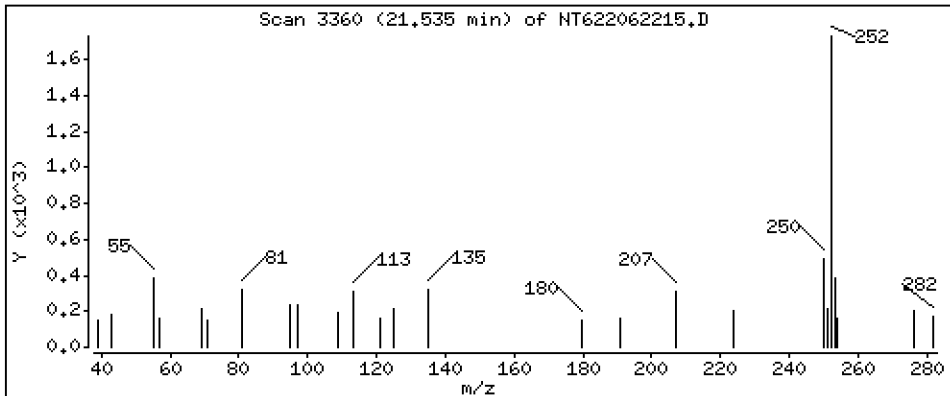
Operator: JZ

Column phase: ZB-5msi

Column diameter: 0.32

187 Total Benzofluoranthenes

Concentration: 0.2836 ug/mL



ARI Labs, Inc.

Semivolatile Report SW846 Method 8270D

Data file : \\target\share\chem3\nt6.i\20220622.b\NT622062215.D
 Lab Smp Id: 22F0267-12
 Inj Date : 22-JUN-2022 19:00
 Operator : JZ Inst ID: nt6.i
 Smp Info : 22F0267-12
 Misc Info : 22-
 Comment : 1ul Injection
 Method : \\target\share\chem3\nt6.i\20220622.b\SW84620220516.m
 Meth Date : 24-Jun-2022 18:07 jianqing Quant Type: ISTD
 Cal Date : 16-MAY-2022 18:52 Cal File: NT622051604.D
 Als bottle: 15
 Dil Factor: 1.00000
 Integrator: HP RTE Compound Sublist: LLMDL.sub
 Target Version: 4.14
 Processing Host: JIANQING-202105

Compounds	QUANT	SIG	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS	
							ON-COLUMN	FINAL
	MASS						(ug/mL)	(ug/mL)
=====	====		====	=====	=====	=====	=====	=====
\$ 1 2-Fluorophenol	112		6.371	6.370	(0.767)	124463	26.7204	26.72
\$ 2 Phenol-d5	99		7.872	7.877	(0.947)	140741	26.4134	26.41
3 Phenol	94		Compound Not Detected.					
\$ 5 2-Chlorophenol-d4	132		8.016	8.016	(0.965)	131153	27.2326	27.23
4 Bis(2-Chloroethyl)ether	93		Compound Not Detected.					
6 2-Chlorophenol	128		Compound Not Detected.					
7 1,3-Dichlorobenzene	146		Compound Not Detected.					
* 8 1,4-Dichlorobenzene-d4	152		8.310	8.309	(1.000)	86179	20.0000	
9 1,4-Dichlorobenzene	146		Compound Not Detected.					
\$ 10 1,2-Dichlorobenzene-d4	152		8.609	8.608	(1.036)	60130	17.4459	17.45
12 1,2-Dichlorobenzene	146		Compound Not Detected.					
11 Benzyl alcohol	108		8.609	8.587	(1.036)	713	0.24650	0.2465
14 2,2'-oxybis(1-Chloropropane)	45		Compound Not Detected.					
13 2-Methylphenol	108		Compound Not Detected.					
17 Hexachloroethane	117		Compound Not Detected.					
16 N-Nitroso-di-n-propylamine	70		Compound Not Detected.					
15 4-Methylphenol	108		Compound Not Detected.					
\$ 18 Nitrobenzene-d5	82		9.234	9.239	(0.893)	89992	19.9080	19.91
19 Nitrobenzene	77		Compound Not Detected.					
20 Isophorone	82		Compound Not Detected.					
21 2-Nitrophenol	139		Compound Not Detected.					
22 2,4-Dimethylphenol	107		Compound Not Detected.					
23 Bis(2-Chloroethoxy)methane	93		Compound Not Detected.					
24 Benzoic acid	105		Compound Not Detected.					
25 2,4-Dichlorophenol	162		Compound Not Detected.					
26 1,2,4-Trichlorobenzene	180		Compound Not Detected.					
* 27 Naphthalene-d8	136		10.345	10.350	(1.000)	294376	20.0000	
28 Naphthalene	128		Compound Not Detected.					
29 4-Chloroaniline	127		Compound Not Detected.					
30 Hexachlorobutadiene	225		Compound Not Detected.					
31 4-Chloro-3-methylphenol	107		Compound Not Detected.					
32 2-Methylnaphthalene	141		Compound Not Detected.					
33 Hexachlorocyclopentadiene	237		Compound Not Detected.					

Compounds	QUANT	SIG	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS	
							ON-COLUMN (ug/mL)	FINAL (ug/mL)
34 2,4,6-Trichlorophenol	196							
35 2,4,5-Trichlorophenol	196							
\$ 36 2-Fluorobiphenyl	172		12.134	12.133	(0.919)	203878	19.3225	19.32
37 2-Chloronaphthalene	162							
38 2-Nitroaniline	65							
39 Dimethylphthalate	163							
40 Acenaphthylene	152							
41 2,6-Dinitrotoluene	165							
* 42 Acenaphthene-d10	164		13.207	13.207	(1.000)	173445	20.0000	
43 3-Nitroaniline	138							
44 Acenaphthene	153							
45 2,4-Dinitrophenol	184							
46 Dibenzofuran	168							
47 4-Nitrophenol	109							
48 2,4-Dinitrotoluene	165							
50 Diethylphthalate	149							
49 Fluorene	166							
51 4-Chlorophenyl-phenylether	204							
52 4-Nitroaniline	138							
53 4,6-Dinitro-2-methylphenol	198							
54 N-Nitrosodiphenylamine	169							
\$ 55 2,4,6-Tribromophenol	330		14.495	14.500	(1.097)	46698	31.6425	31.64
56 4-Bromophenyl-phenylether	248							
57 Hexachlorobenzene	284							
58 Pentachlorophenol	266							
* 59 Phenanthrene-d10	188		15.584	15.584	(1.000)	305533	20.0000	
60 Phenanthrene	178							
61 Anthracene	178							
62 Carbazole	167							
63 Di-n-butylphthalate	149							
64 Fluoranthene	202							
65 Pyrene	202		17.913	17.918	(0.900)	11812	0.56521	0.5652
\$ 66 Terphenyl-d14	244		18.223	18.222	(0.916)	281564	17.7932	17.79
67 Butylbenzylphthalate	149							
68 Benzo(a)anthracene	228							
* 69 Chrysene-d12	240		19.900	19.905	(1.000)	332864	20.0000	
70 3,3'-Dichlorobenzidine	252							
71 Chrysene	228							
72 bis(2-Ethylhexyl)phthalate	149							
* 134 Di-n-octylphthalate-d4	153		21.016	21.021	(1.000)	426607	20.0000	
73 Di-n-octylphthalate	149							
74 Benzo(b)fluoranthene	252							
75 Benzo(k)fluoranthene	252							
76 Benzo(a)pyrene	252							
* 77 Perylene-d12	264		22.074	22.068	(1.000)	378872	20.0000	
78 Indeno(1,2,3-cd)pyrene	276							
79 Dibenzo(a,h)anthracene	278							
80 Benzo(g,h,i)perylene	276							
90 N-Nitrosodimethylamine	74							
103 Pyridine	79							
105 1-methylnaphthalene	141							
111 Azobenzene (1,2-DP-Hydrazine)	77							
187 Total Benzofluoranthenes	252		21.534	21.571	(0.976)	5047	0.28356	0.2836 (M)
144 alpha-Terpineol	59							

Compounds	QUANT SIG						CONCENTRATIONS	
	MASS		RT	EXP RT	REL RT	RESPONSE	ON-COLUMN (ug/mL)	FINAL (ug/mL)
=====	=====		=====	=====	=====	=====	=====	=====

QC Flag Legend

M - Compound response manually integrated.

ARI Labs, Inc.

INTERNAL STANDARD COMPOUNDS
 AREA AND RT SUMMARY

Instrument ID: nt6.i Calibration Date: 22-JUN-2022
 Lab File ID: NT622062215.D Calibration Time: 10:58
 Lab Smp Id: 22F0267-12
 Analysis Type: SV Level:
 Quant Type: ISTD Sample Type:
 Operator: JZ
 Method File: \\target\share\chem3\nt6.i\20220622.b\SW84620220516.m
 Misc Info: 22-

Test Mode:
 Use Last Continuing Calibrator.

COMPOUND	STANDARD	AREA LIMIT		SAMPLE	%DIFF
		LOWER	UPPER		
8 1,4-Dichlorobenze	56102	28051	112204	86179	53.61
27 Naphthalene-d8	190364	95182	380728	294376	54.64
42 Acenaphthene-d10	122124	61062	244248	173445	42.02
59 Phenanthrene-d10	231281	115641	462562	305533	32.10
69 Chrysene-d12	202750	101375	405500	332864	64.17
134 Di-n-octylphthala	284466	142233	568932	426607	49.97
77 Perylene-d12	214859	107430	429718	378872	76.34

COMPOUND	STANDARD	RT LIMIT		SAMPLE	%DIFF
		LOWER	UPPER		
8 1,4-Dichlorobenze	8.31	7.81	8.81	8.31	0.00
27 Naphthalene-d8	10.35	9.85	10.85	10.35	-0.05
42 Acenaphthene-d10	13.21	12.71	13.71	13.21	0.00
59 Phenanthrene-d10	15.58	15.08	16.08	15.58	0.00
69 Chrysene-d12	19.91	19.41	20.41	19.90	-0.02
134 Di-n-octylphthala	21.02	20.52	21.52	21.02	-0.02
77 Perylene-d12	22.07	21.57	22.57	22.07	0.03

AREA UPPER LIMIT = +100% of internal standard area.
 AREA LOWER LIMIT = - 50% of internal standard area.
 RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
 RT LOWER LIMIT = - 0.50 minutes of internal standard RT.

REVIEW SUMMARY FOR FILE - NT622062215.D

Lab ID: 22F0267-12
nt6.i, SW84620220516.m, 22-JUN-2022 19:00

RT	CO-ELUTION COMPOUNDS
8.609	1,2-Dichlorobenzene-d4 and Benzyl alcohol

Quant Method: ICAL

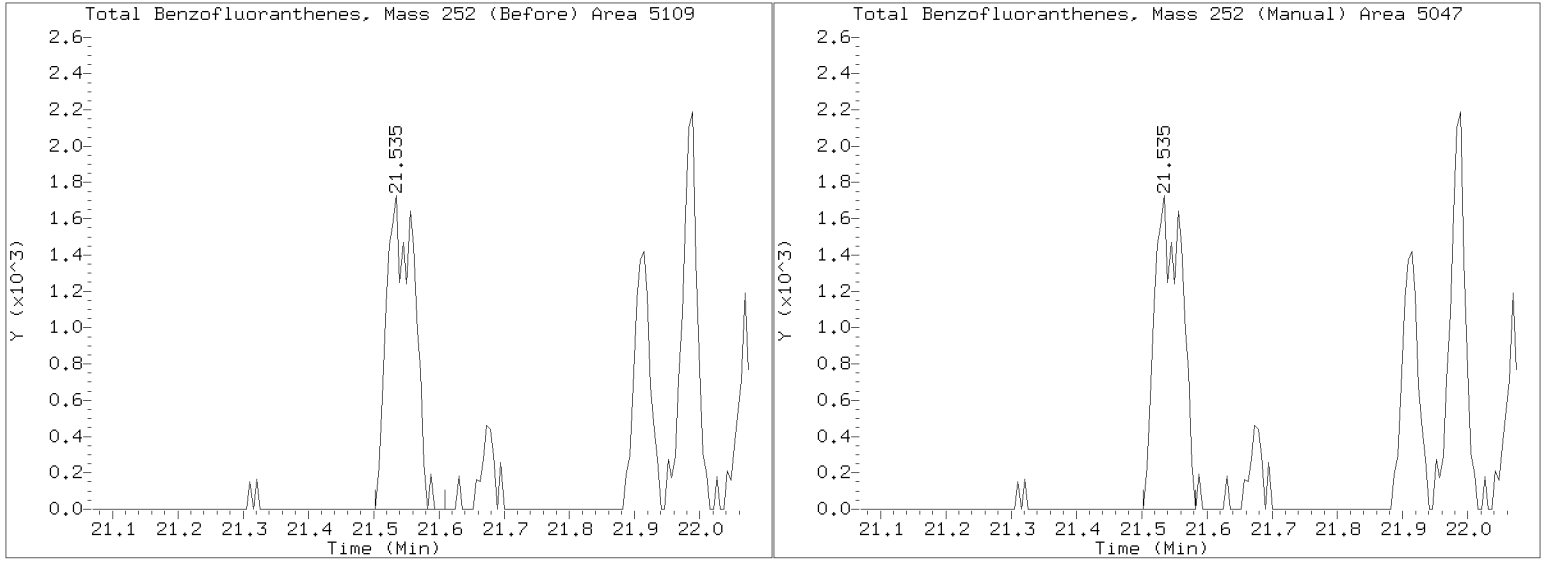
No RRT check performed

On Column LOD for nt6.i, SW84620220516.m, LLMDL.sub = 0.2000

* Only compounds listed in the work order have been verified by the analyst *

Quant Ion Manual Peak Adjustment Report

Datafile: //target/share/chem3/nt6.i/20220622.b/NT622062215.D
Injection Date: 22-JUN-2022 19:00
Lab ID:22F0267-12 Client ID:
Report Date: 06/24/2022 18:23





Form I
ORGANIC ANALYSIS DATA SHEET
EPA 8270E
Semivolatiles (20ug/kg - 0.2ug/L SepF)

Laboratory: Analytical Resources, LLC

Client: GeoEngineers

Project: RG Haley Site-Bellingham

Matrix: Sediment

Laboratory ID: 22F0267-13 A

SDG: 22F0267

Sampled: 06/14/22 10:20

Prepared: 06/21/22 13:45

File ID: NT1022063014.D

% Solids: 84.44

Preparation: EPA 3546 (Microwave)

Analyzed: 06/30/22 21:59

Batch: BKF0469

Sequence: SKG0010

Initial/Final: 11.86 g Wet / 1 mL

Instrument: NT10

Column: ZB-5MSi

Calibration: FF00062

Cleanups: GPC

CAS NO.	COMPOUND	DILUTION	CONC: (ug/kg dry)	Q	DL	RL
91-20-3	Naphthalene	1	10.8	J	4.2	20.0
91-57-6	2-Methylnaphthalene	1	5.6	J	4.5	20.0
83-32-9	Acenaphthene	1	5.3	J	5.2	20.0
87-86-5	Pentachlorophenol	1	31.2	U	31.2	99.9
85-01-8	Phenanthrene	1	84.3		8.7	20.0
206-44-0	Fluoranthene	1	366		6.1	20.0
56-55-3	Benzo(a)anthracene	1	128		6.0	20.0
218-01-9	Chrysene	1	150		6.1	20.0
205-99-2	Benzo(b)fluoranthene	1	126		7.0	20.0
207-08-9	Benzo(k)fluoranthene	1	113		5.0	20.0
50-32-8	Benzo(a)pyrene	1	143		4.2	20.0
193-39-5	Indeno(1,2,3-cd)pyrene	1	55.1		14.6	20.0
53-70-3	Dibenzo(a,h)anthracene	1	20.9		17.2	20.0
90-12-0	1-Methylnaphthalene	1	5.3	U	5.3	20.0

SURROGATES	ADDED: (ug/kg dry)	FOUND: (ug/kg dry)	% REC	QC LIMITS	Q
2-Fluorophenol	748.91	503	67.1	27 - 120	
Phenol-d5	748.91	517	69.1	29 - 120	
2-Chlorophenol-d4	748.91	673	89.8	31 - 120	
1,2-Dichlorobenzene-d4	499.27	450	90.2	32 - 120	
Nitrobenzene-d5	499.27	436	87.4	30 - 120	
2-Fluorobiphenyl	499.27	478	95.8	35 - 120	
2,4,6-Tribromophenol	748.91	787	105	24 - 134	
p-Terphenyl-d14	499.27	592	118	37 - 120	

Data File: \\target\share\chem3\nt10.1\20220630.1\NT1022063014.D

Date: 30-JUN-2022 21:59

Client ID:

Sample Info: 22F0267-13

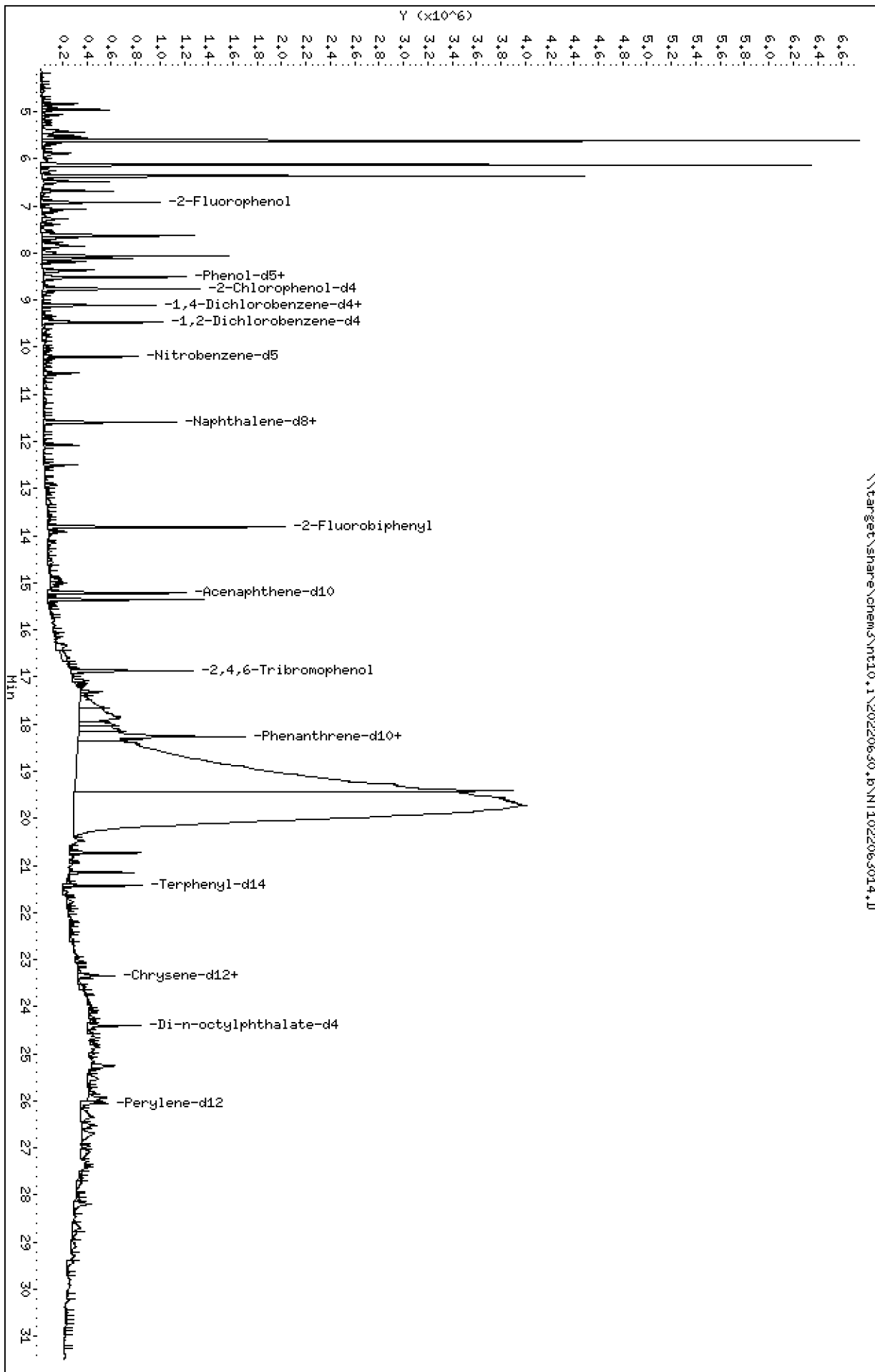
Page 1

Column phase: ZB-5msi

Instrument: nt10.1

Operator: VTS

Column diameter: 0.25



Date : 30-JUN-2022 21:59

Client ID:

Instrument: nt10.i

Sample Info: 22F0267-13

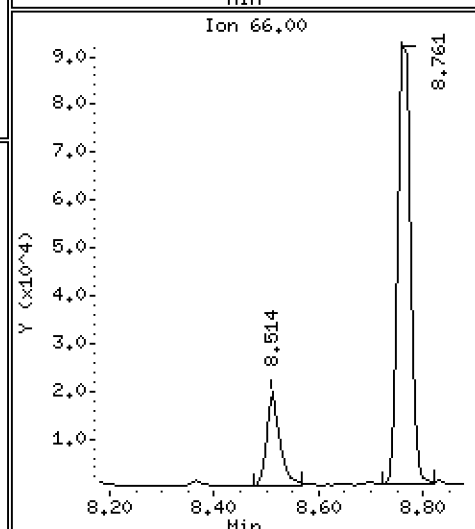
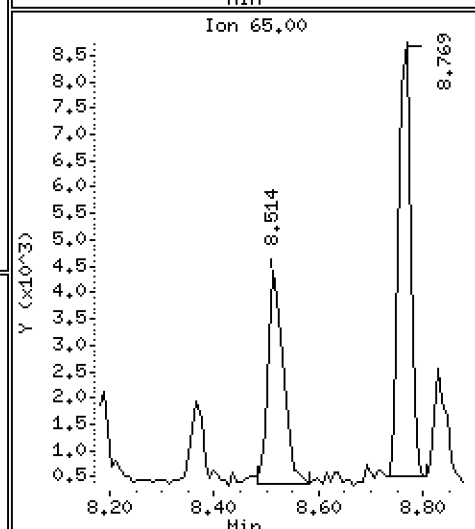
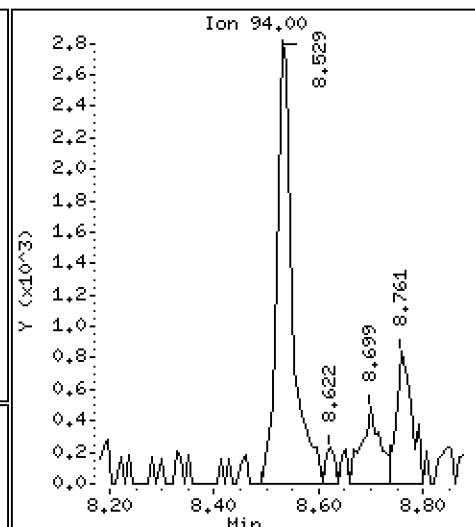
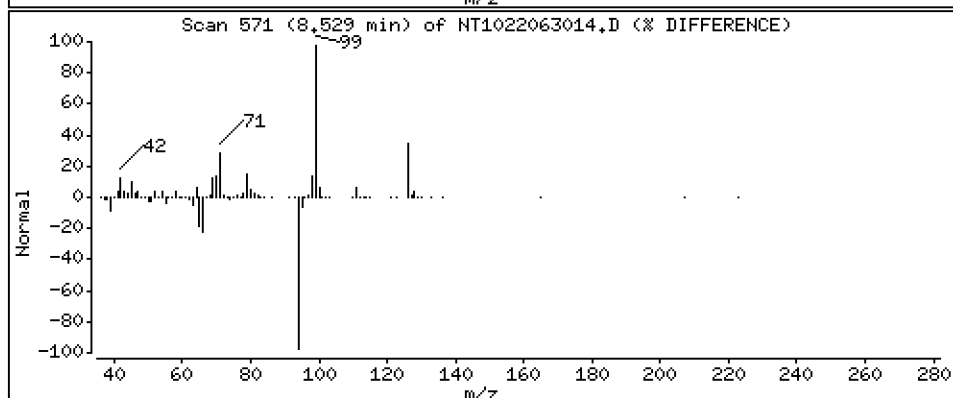
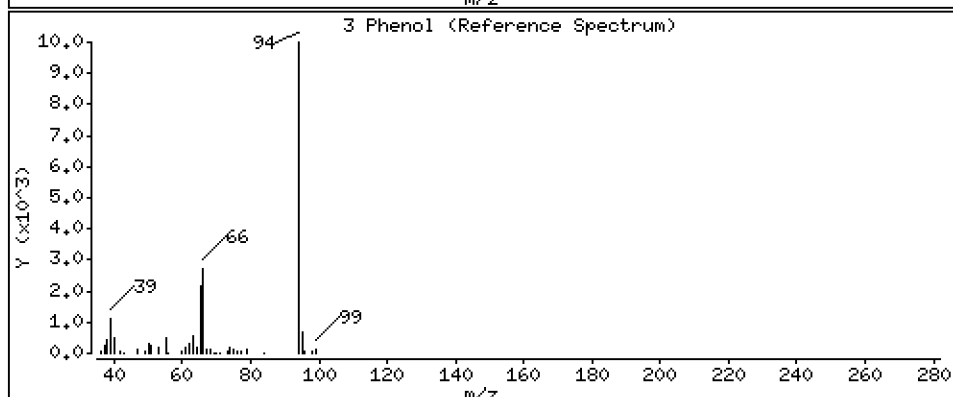
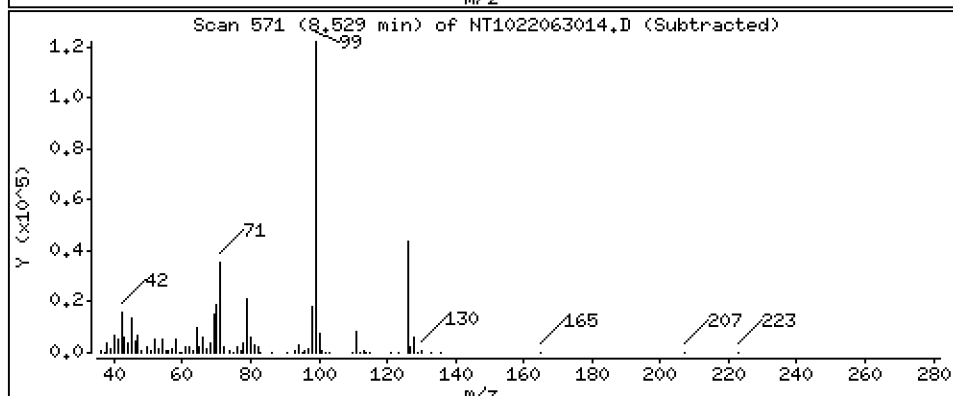
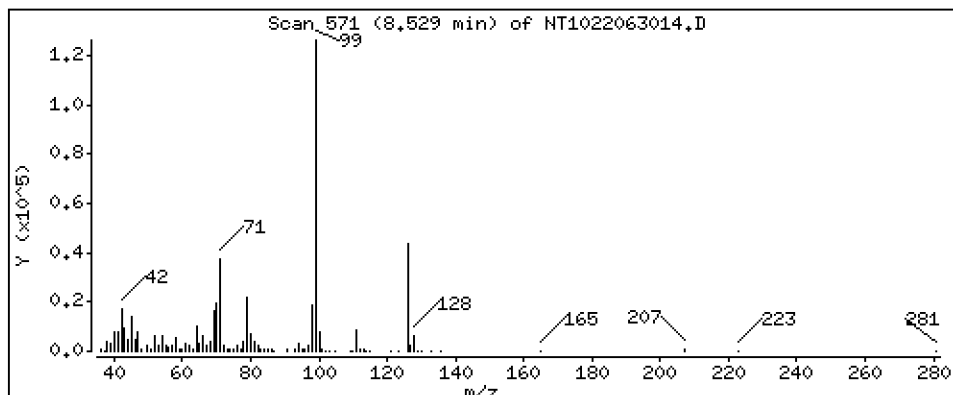
Operator: VTS

Column phase: ZB-5msi

Column diameter: 0,25

3 Phenol

Concentration: 0,04607 ug/mL



Date : 30-JUN-2022 21:59

Client ID:

Instrument: nt10.i

Sample Info: 22F0267-13

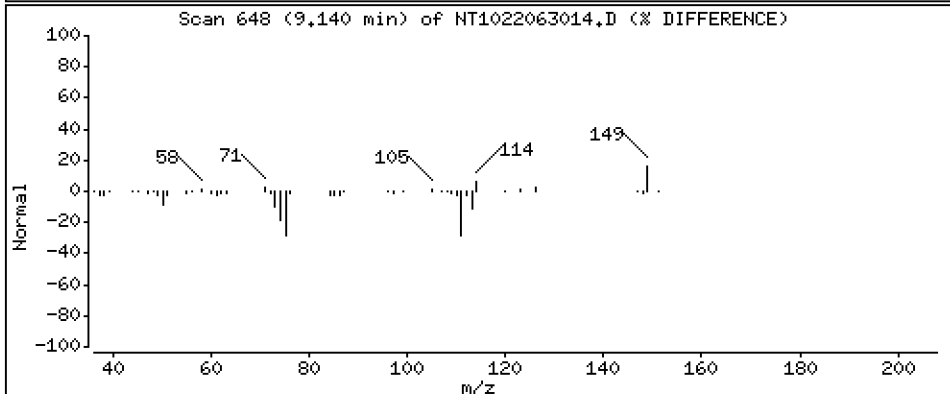
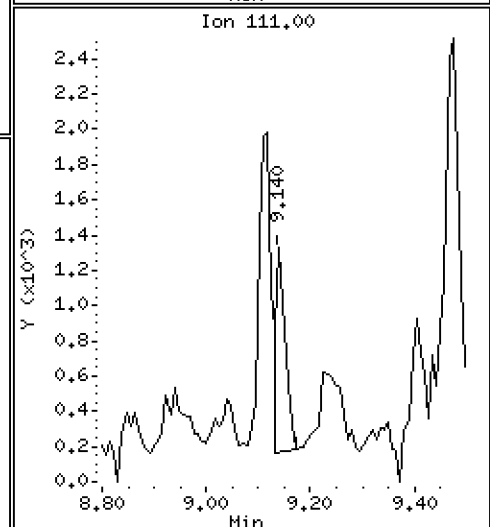
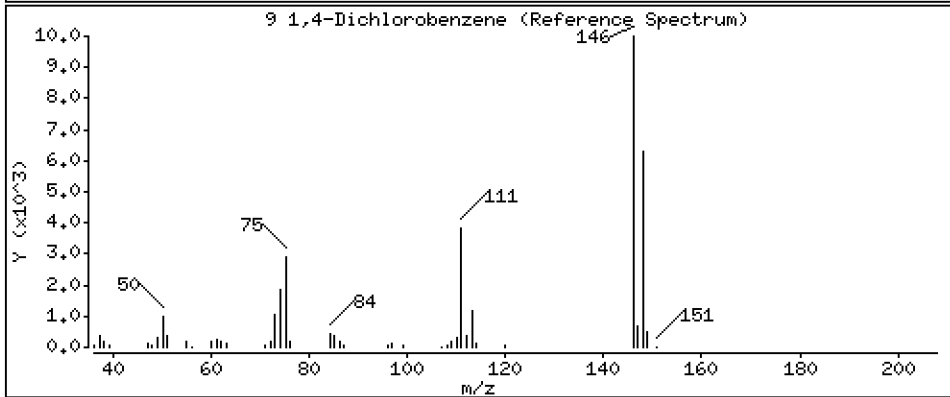
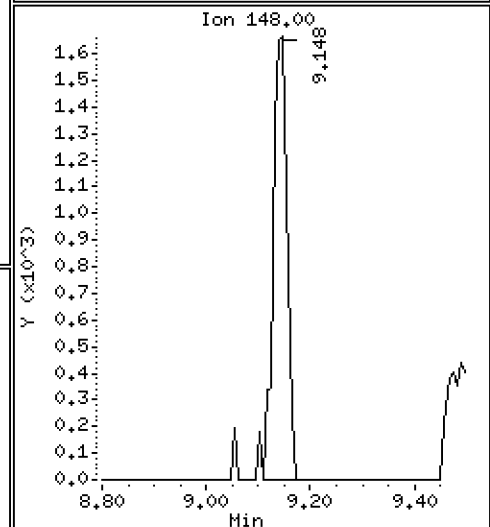
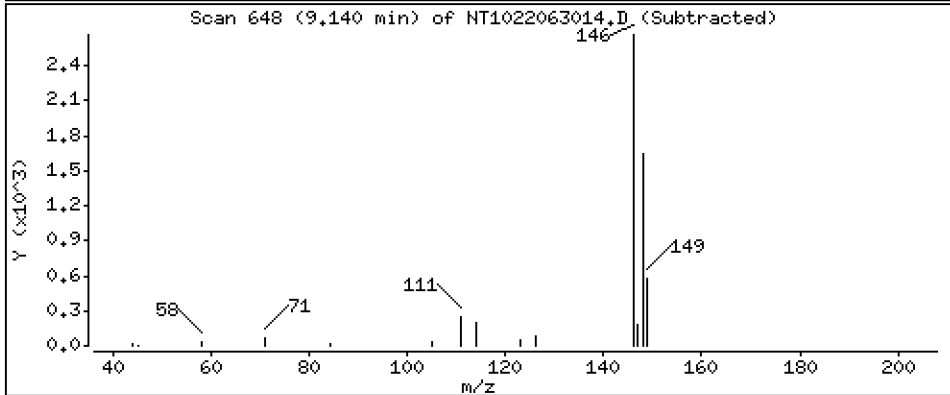
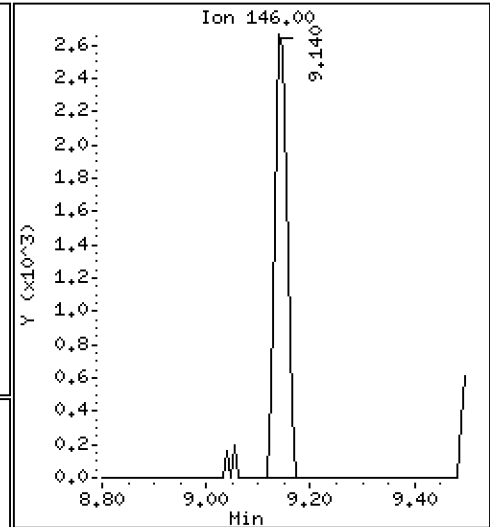
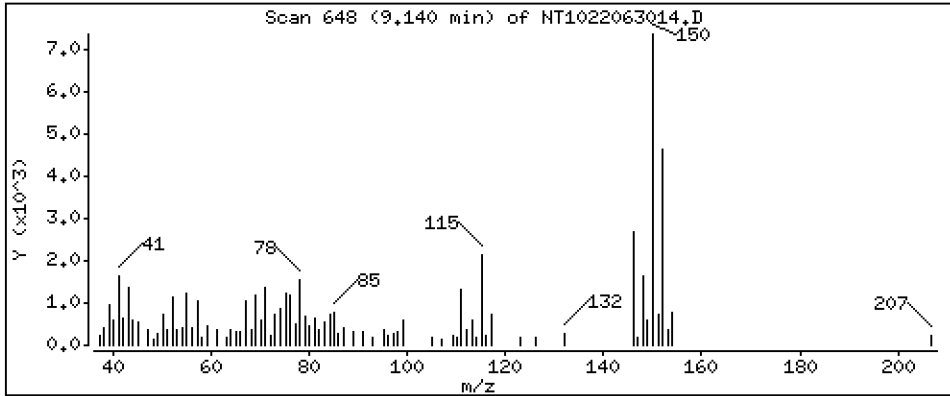
Operator: VTS

Column phase: ZB-5msi

Column diameter: 0,25

9 1,4-Dichlorobenzene

Concentration: 0,05026 ug/mL



Date : 30-JUN-2022 21:59

Client ID:

Instrument: nt10.i

Sample Info: 22F0267-13

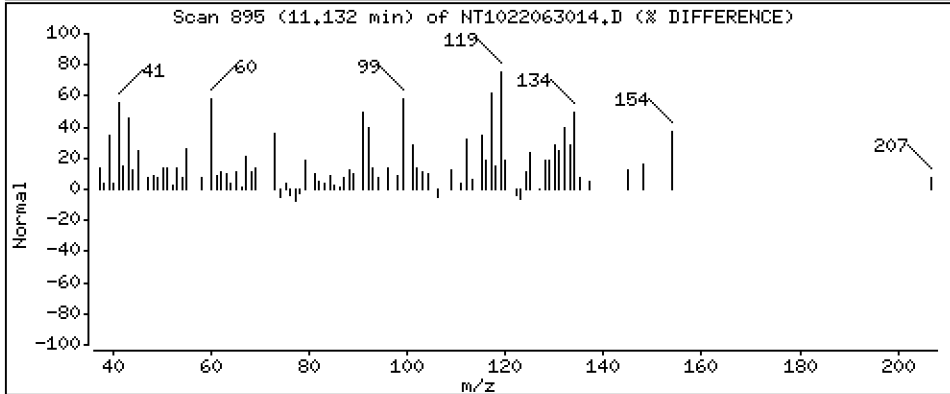
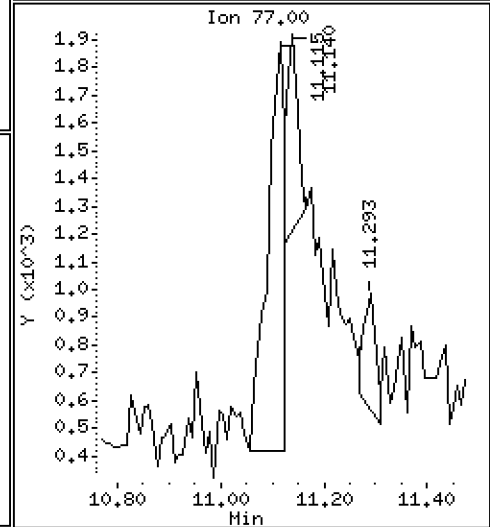
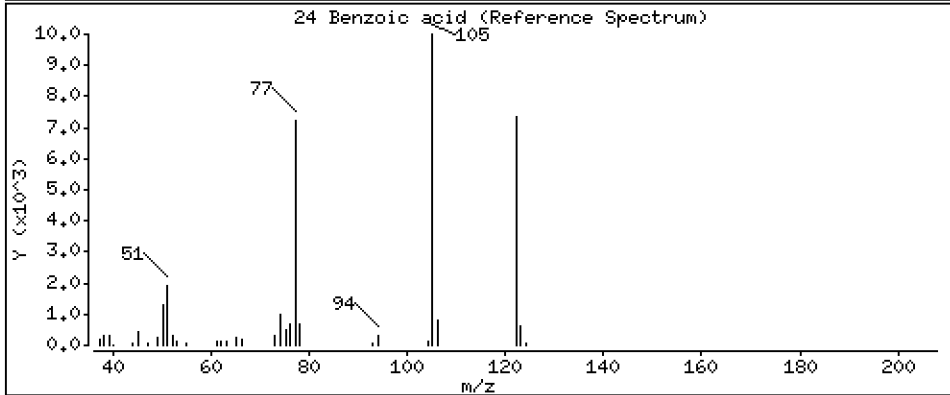
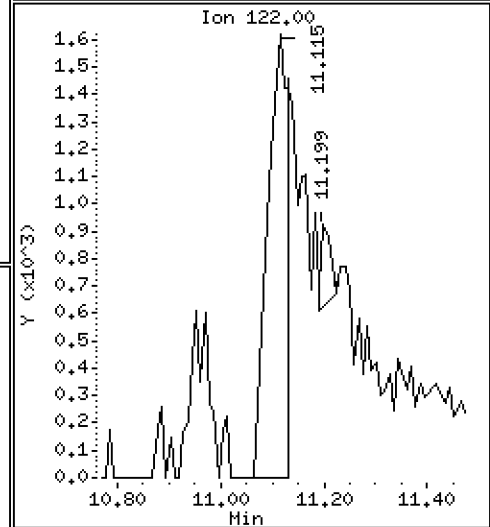
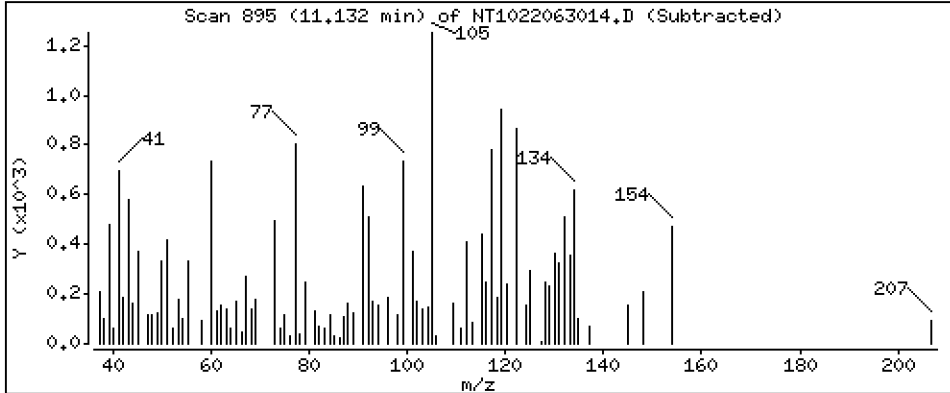
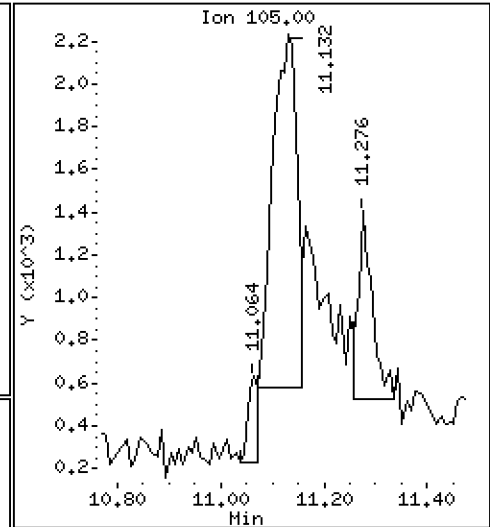
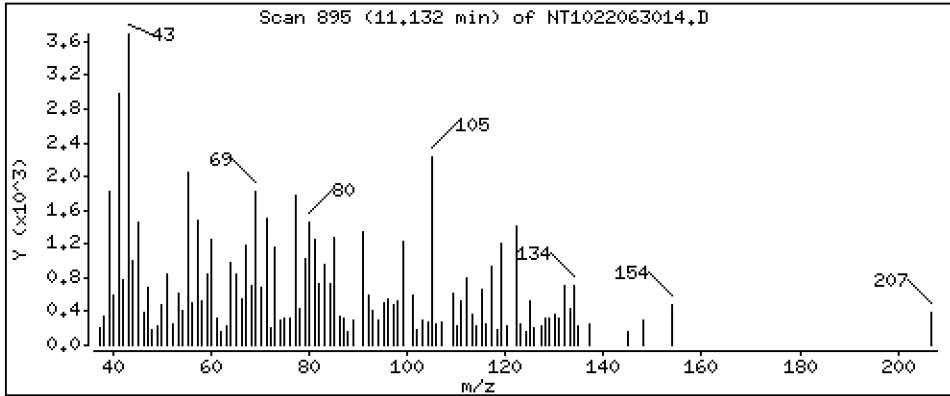
Operator: VTS

Column phase: ZB-5msi

Column diameter: 0.25

24 Benzoic acid

Concentration: 0.1384 ug/mL



Date : 30-JUN-2022 21:59

Client ID:

Instrument: nt10.i

Sample Info: 22F0267-13

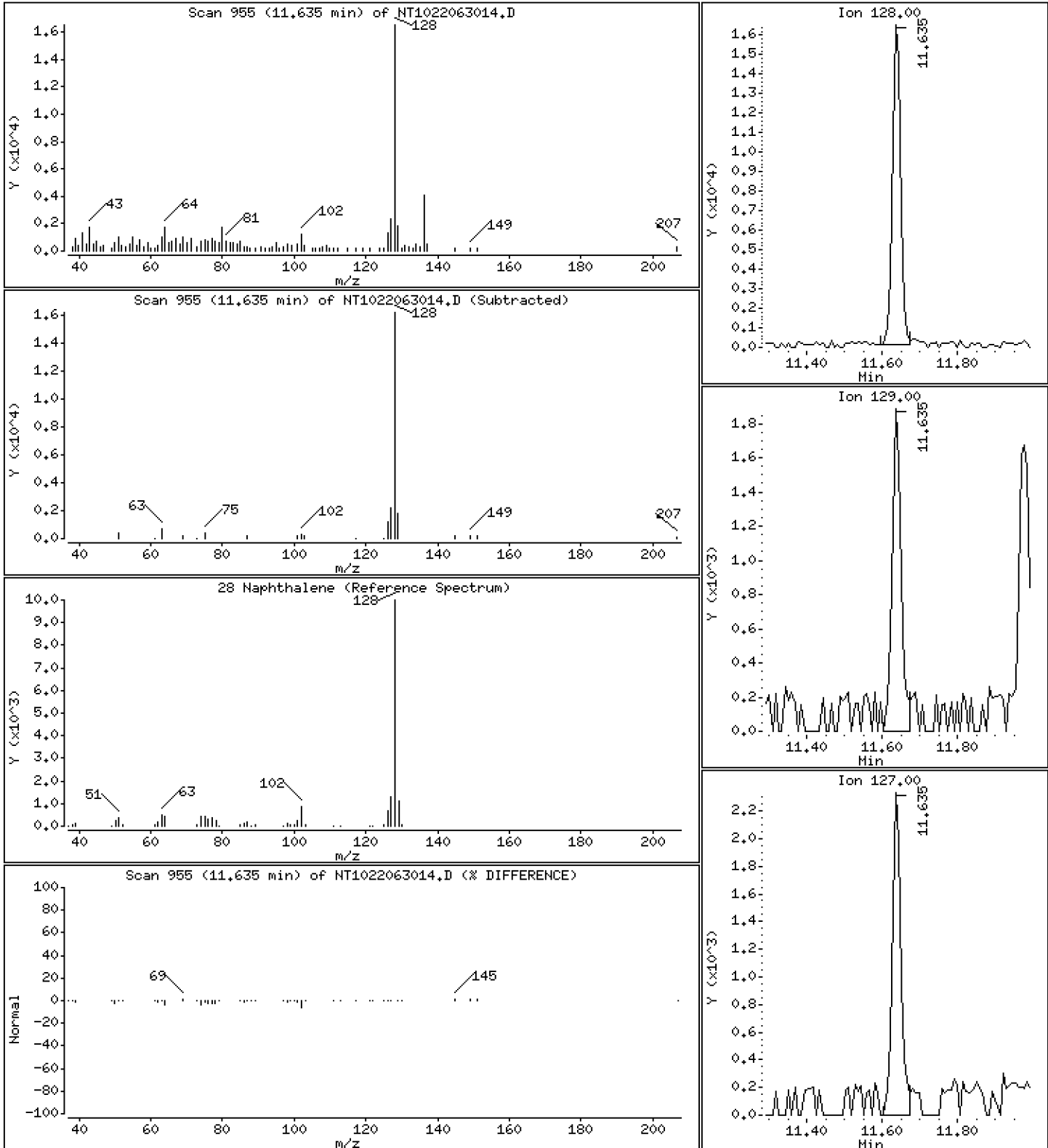
Operator: VTS

Column phase: ZB-5msi

Column diameter: 0,25

28 Naphthalene

Concentration: 0,1077 ug/mL



Date : 30-JUN-2022 21:59

Client ID:

Instrument: nt10.i

Sample Info: 22F0267-13

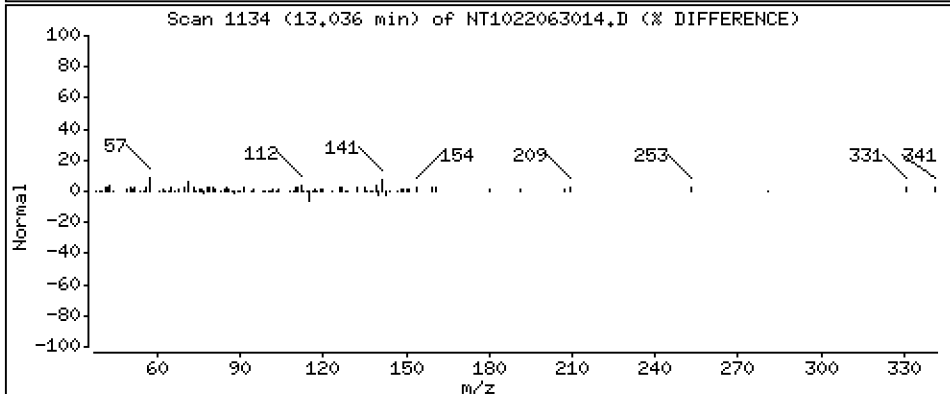
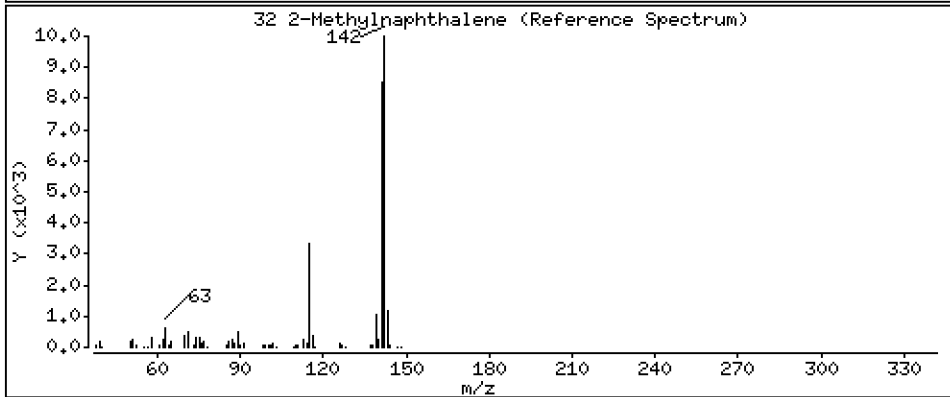
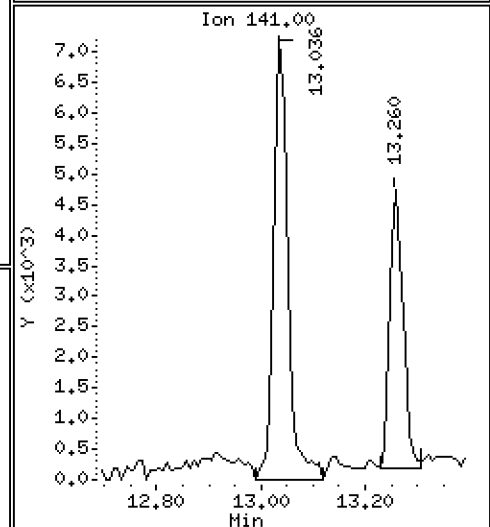
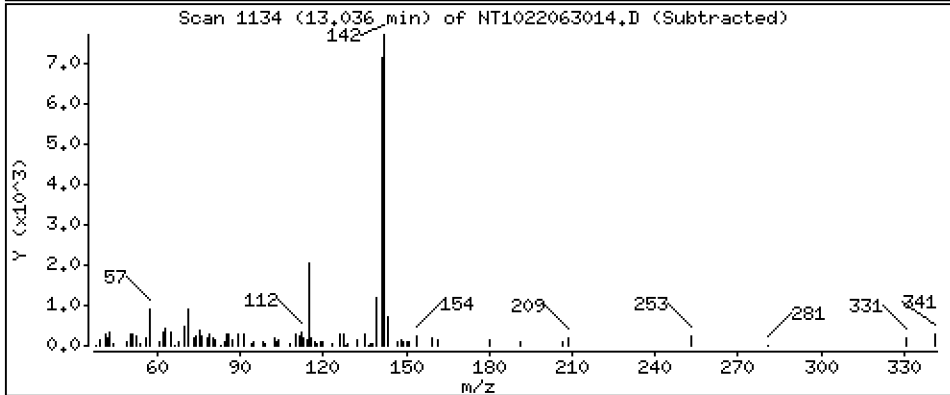
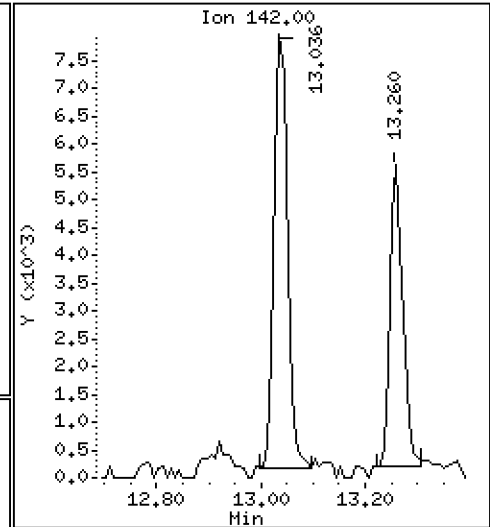
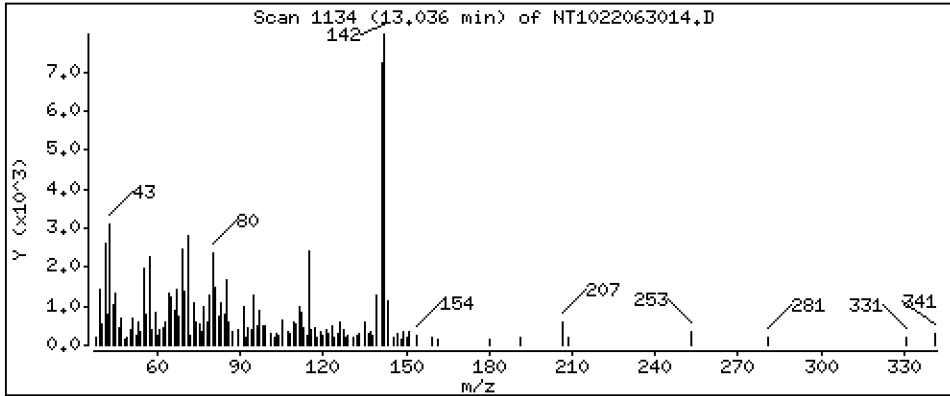
Operator: VTS

Column phase: ZB-5msi

Column diameter: 0,25

32 2-Methylnaphthalene

Concentration: 0,05621 ug/mL



Date : 30-JUN-2022 21:59

Client ID:

Instrument: nt10.i

Sample Info: 22F0267-13

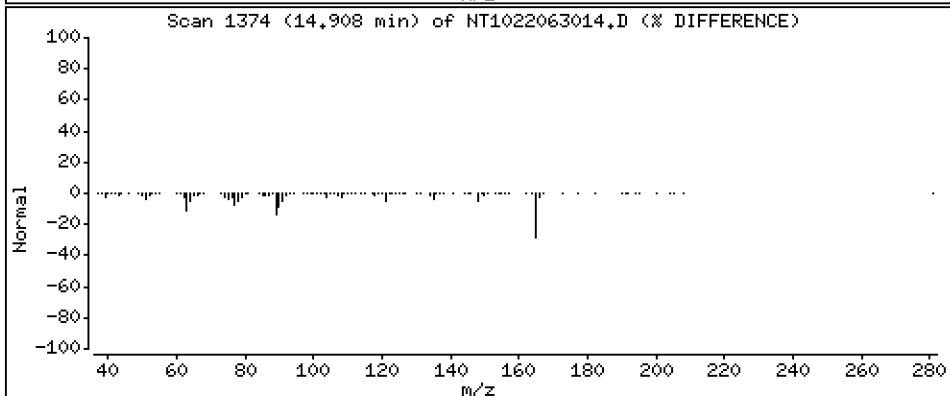
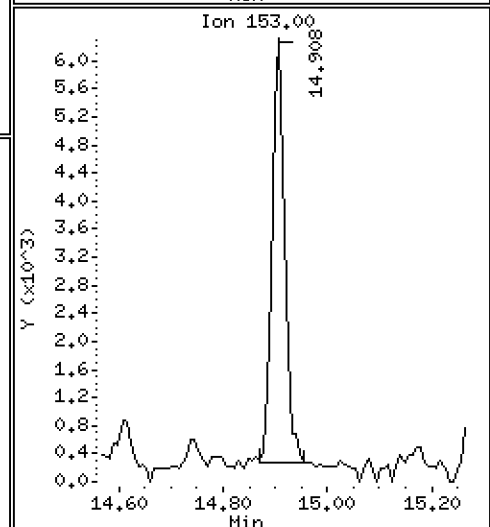
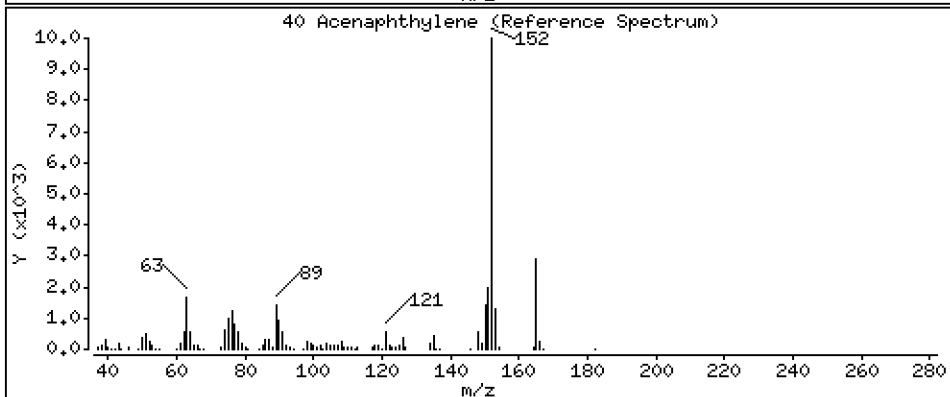
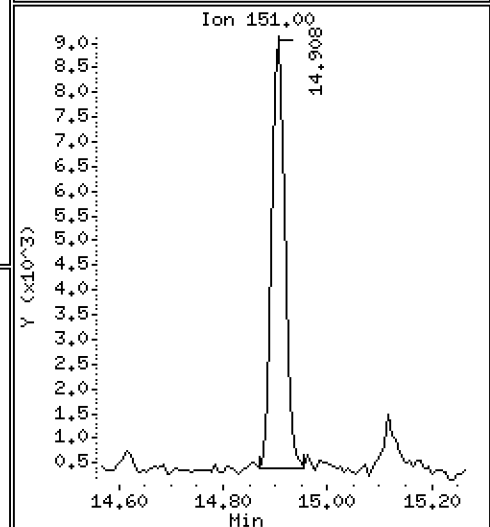
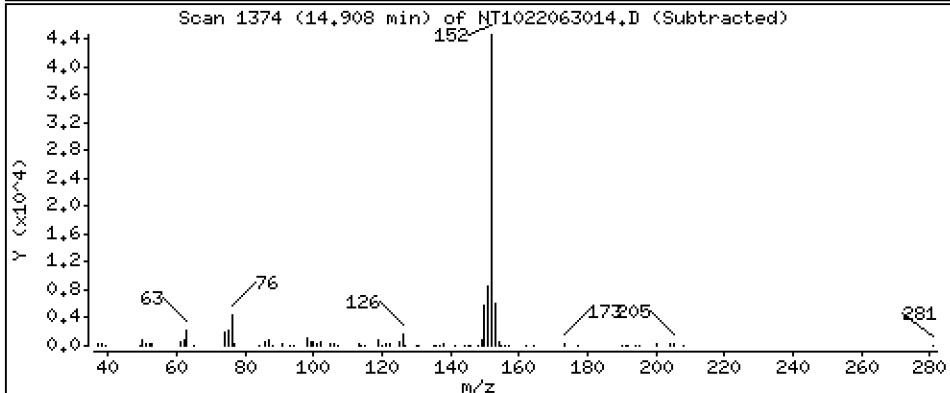
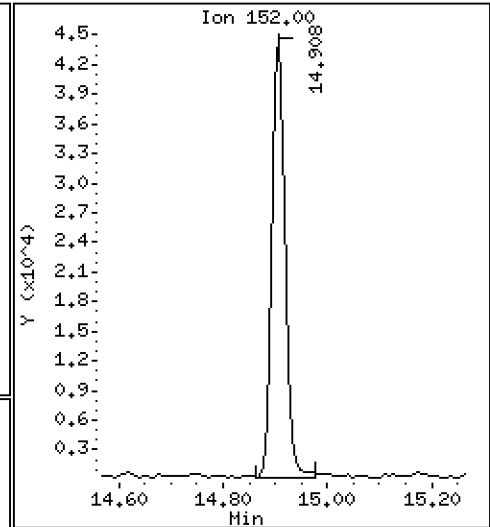
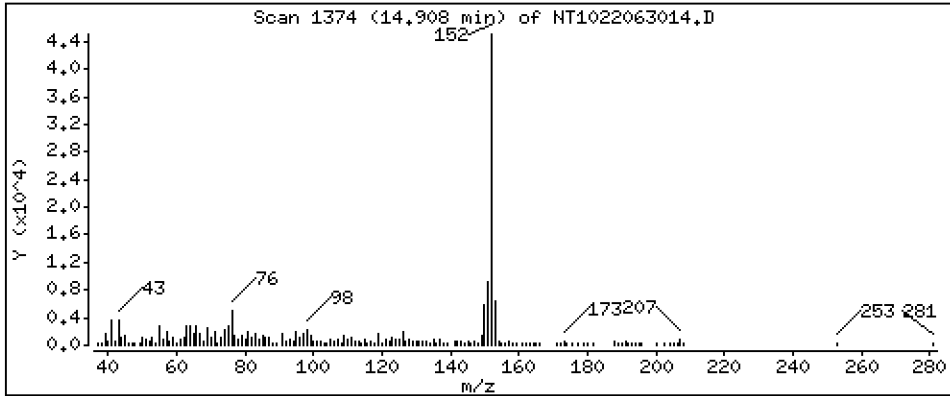
Operator: VTS

Column phase: ZB-5msi

Column diameter: 0,25

40 Acenaphthylene

Concentration: 0,2628 ug/mL



Date : 30-JUN-2022 21:59

Client ID:

Instrument: nt10.i

Sample Info: 22F0267-13

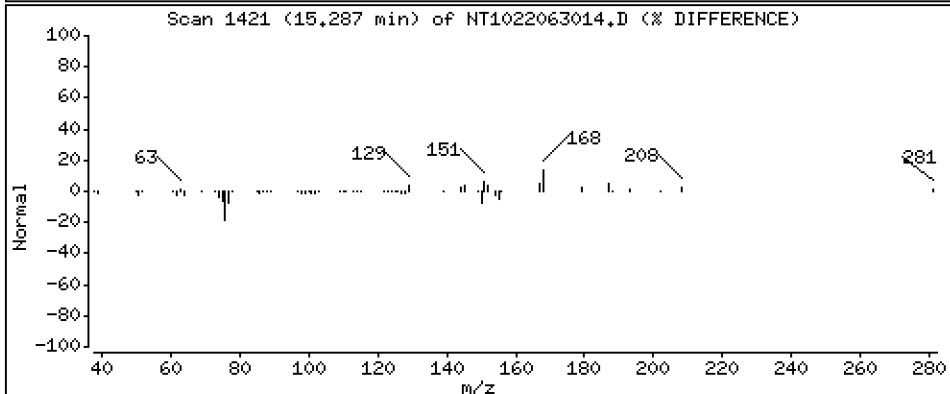
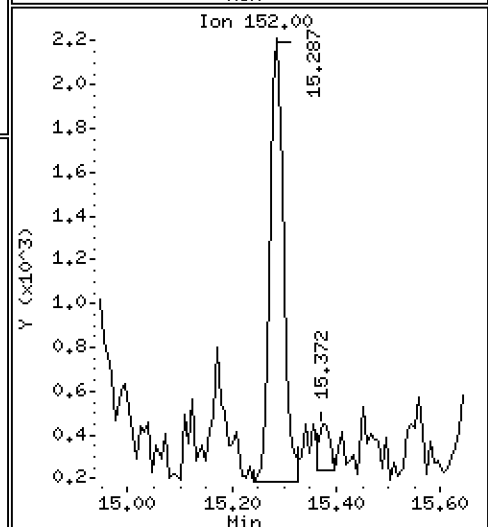
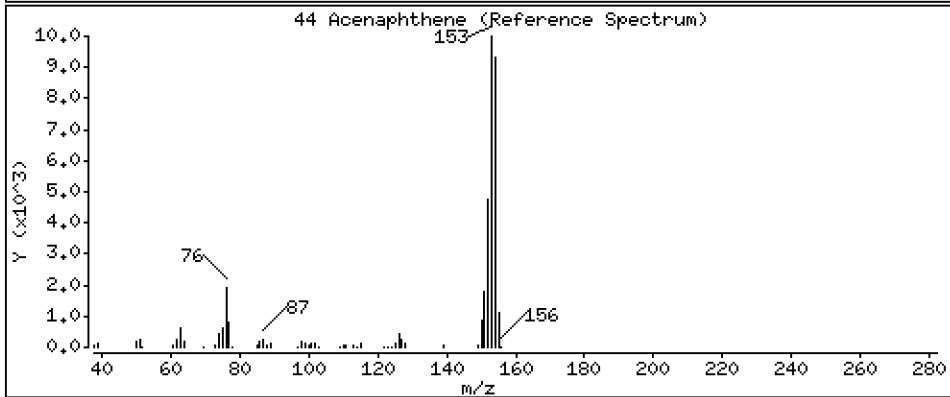
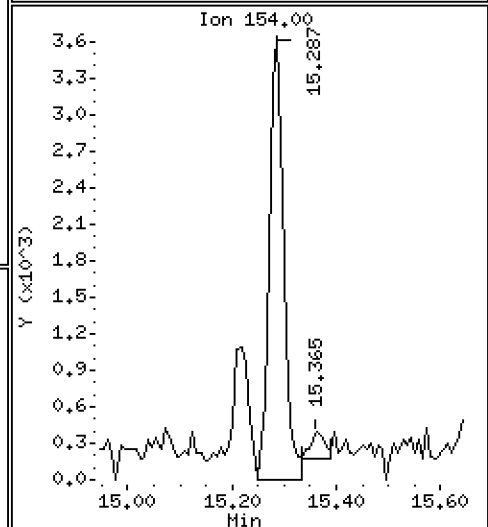
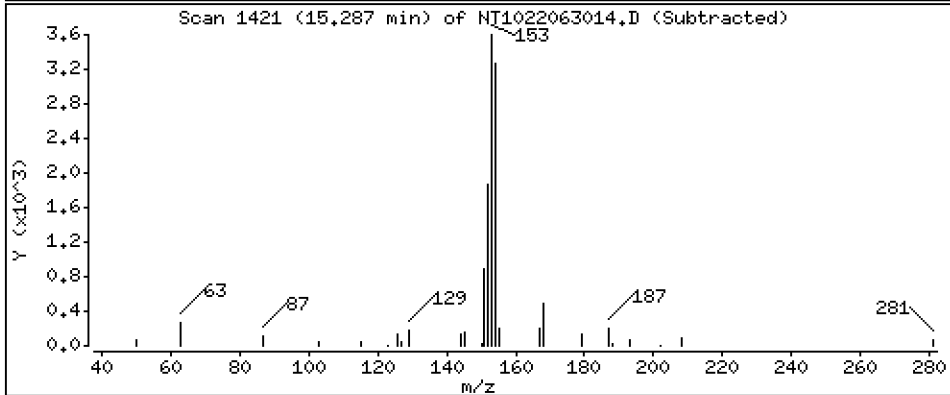
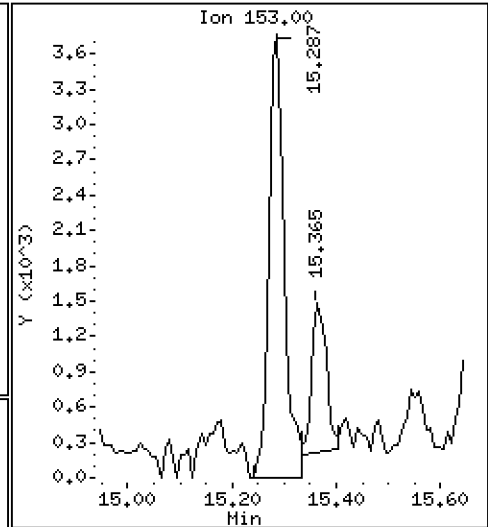
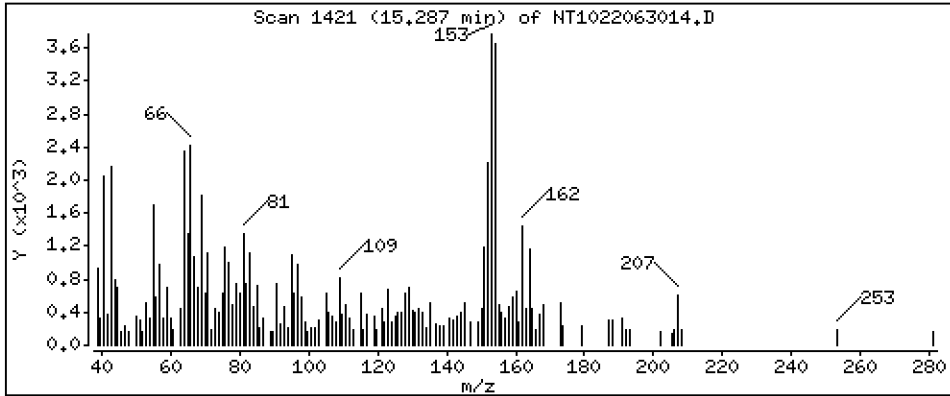
Operator: VTS

Column phase: ZB-5msi

Column diameter: 0.25

44 Acenaphthene

Concentration: 0.05283 ug/mL



Date : 30-JUN-2022 21:59

Client ID:

Instrument: nt10.i

Sample Info: 22F0267-13

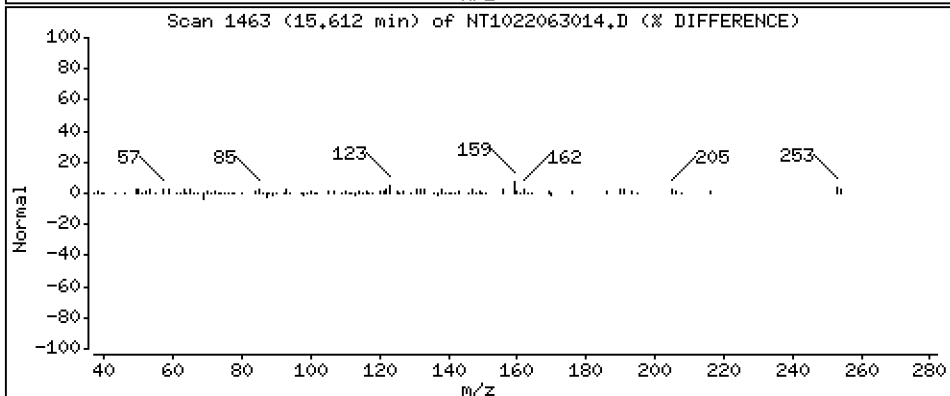
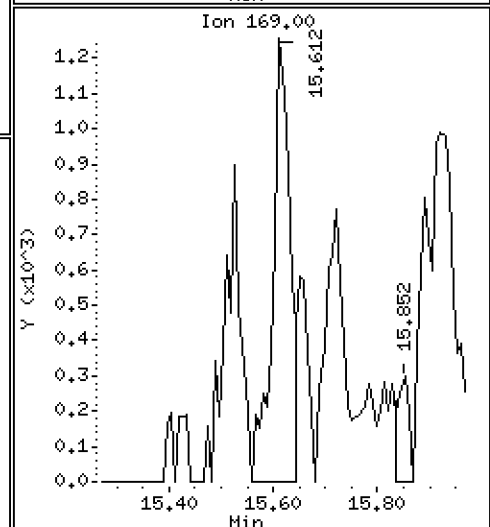
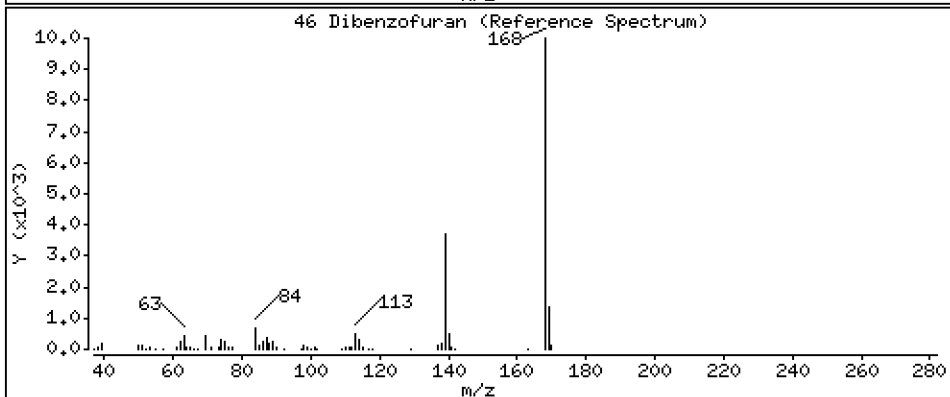
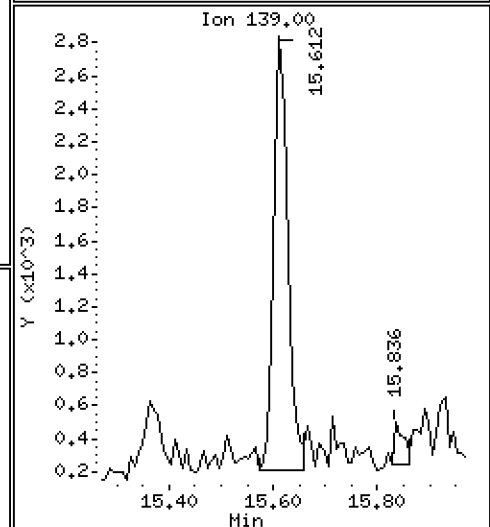
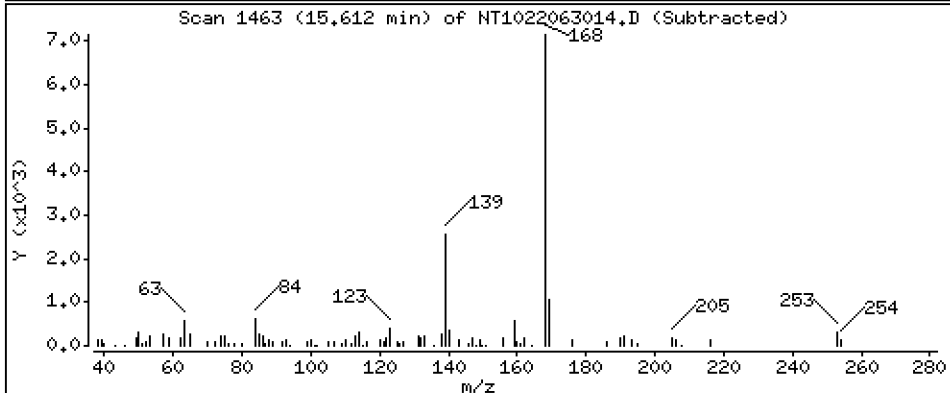
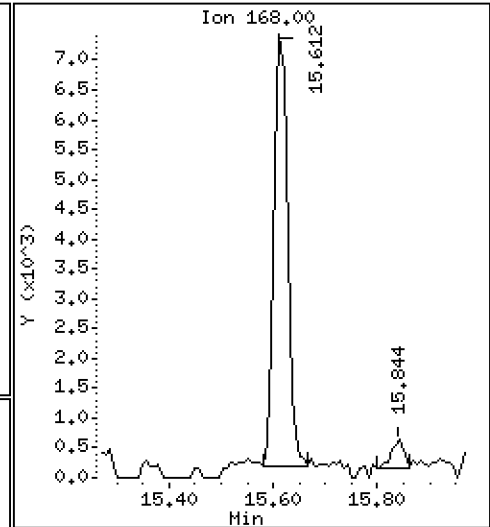
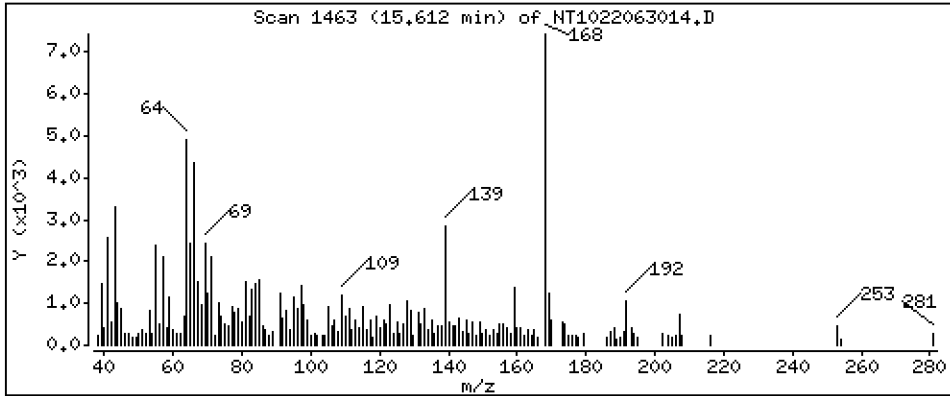
Operator: VTS

Column phase: ZB-5msi

Column diameter: 0,25

46 Dibenzofuran

Concentration: 0,05617 ug/mL



Date : 30-JUN-2022 21:59

Client ID:

Instrument: nt10.i

Sample Info: 22F0267-13

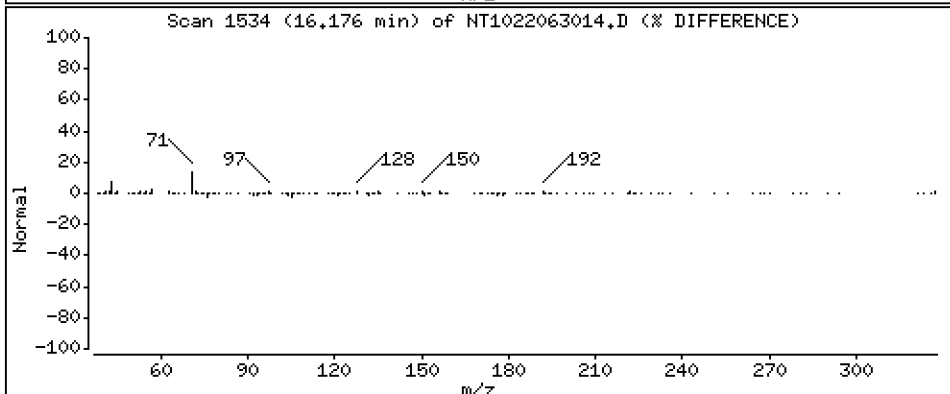
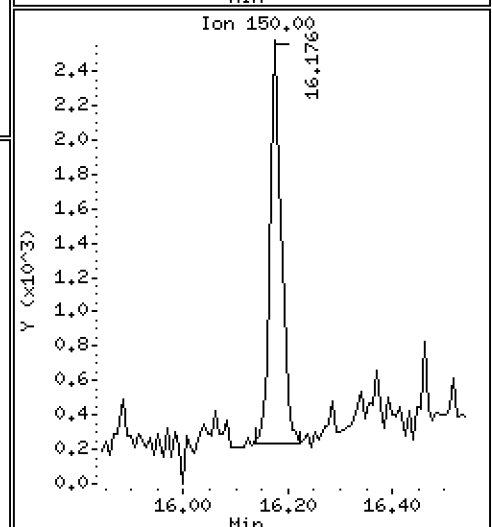
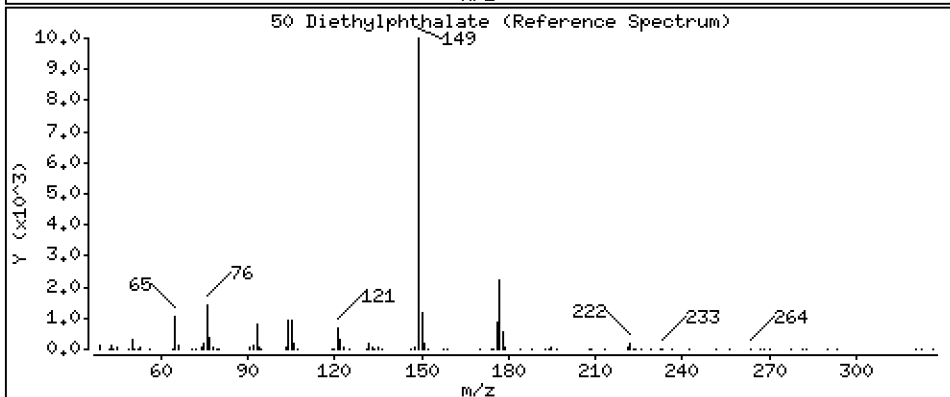
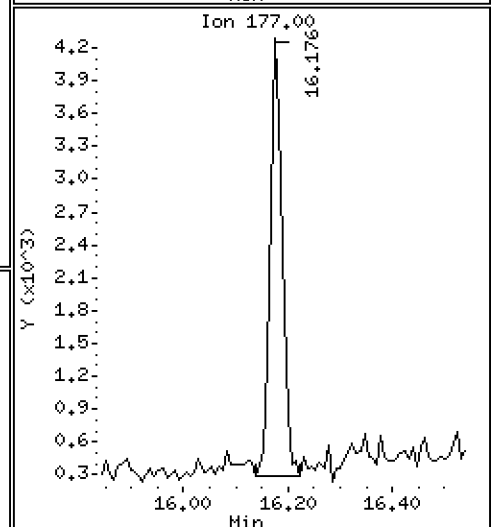
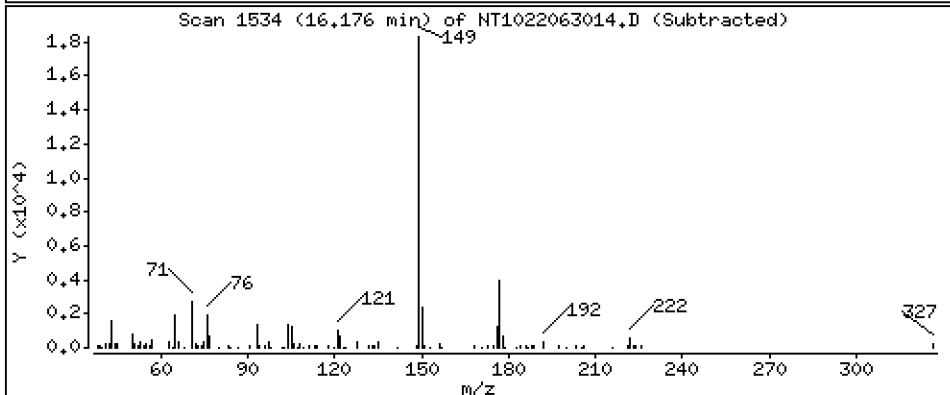
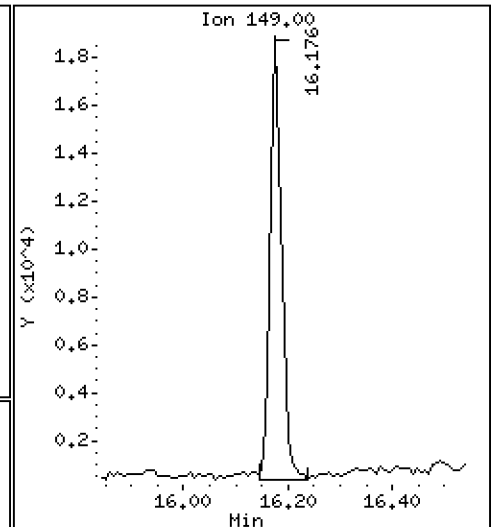
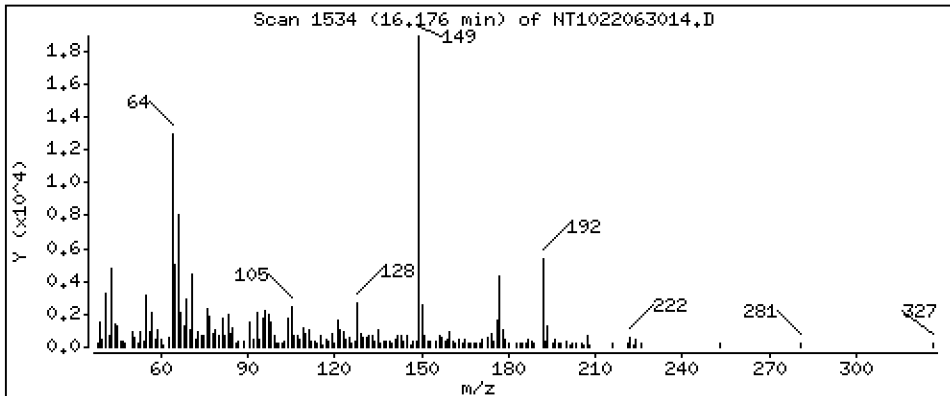
Operator: VTS

Column phase: ZB-5msi

Column diameter: 0.25

50 Diethylphthalate

Concentration: 0.1887 ug/mL



Date : 30-JUN-2022 21:59

Client ID:

Instrument: nt10.i

Sample Info: 22F0267-13

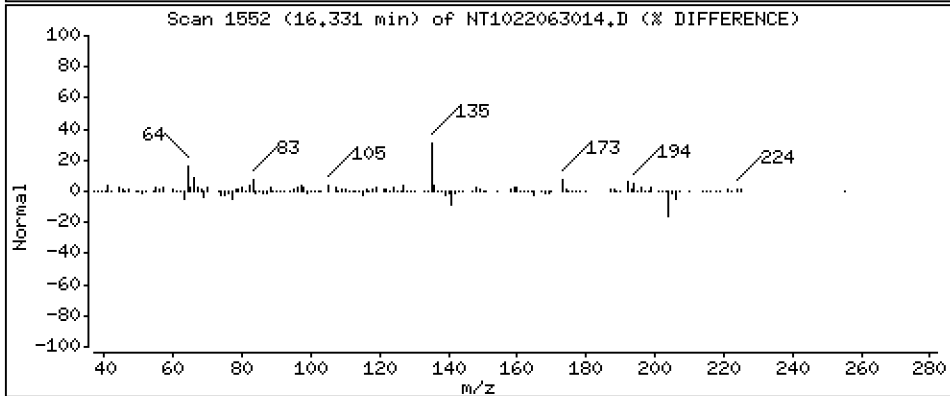
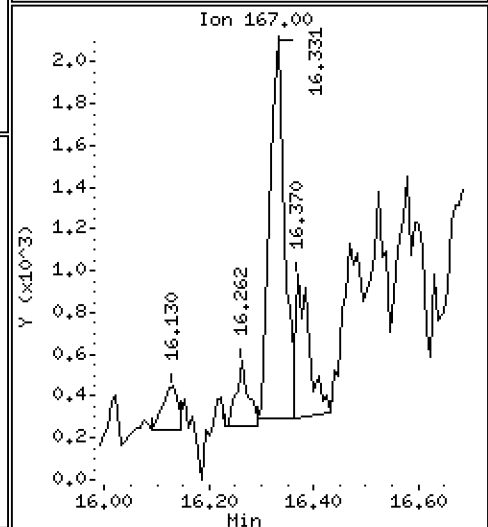
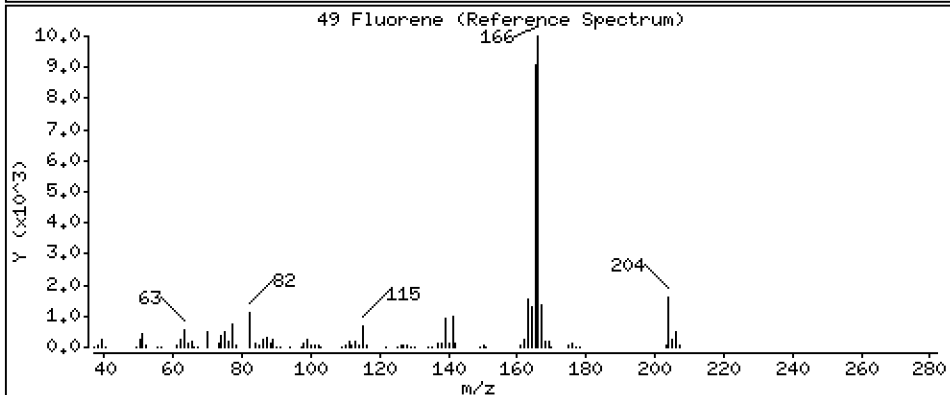
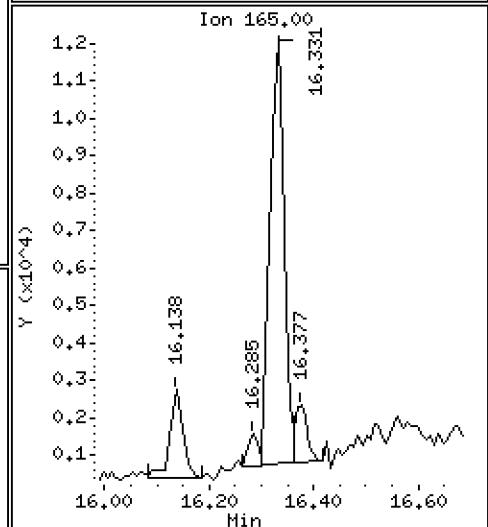
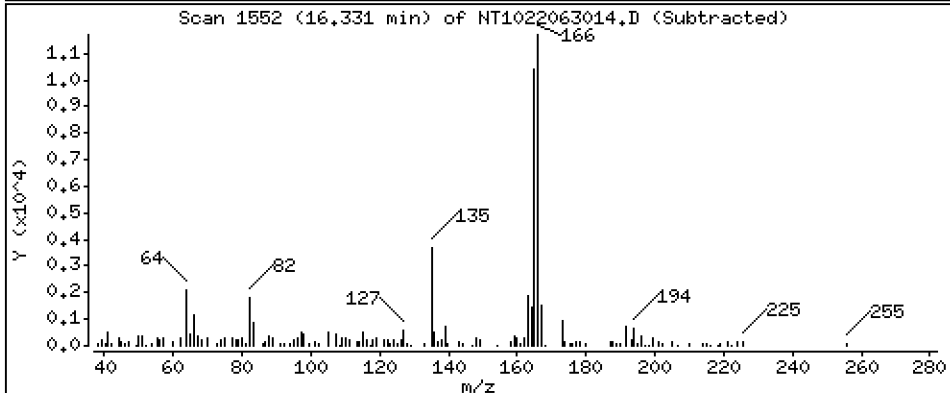
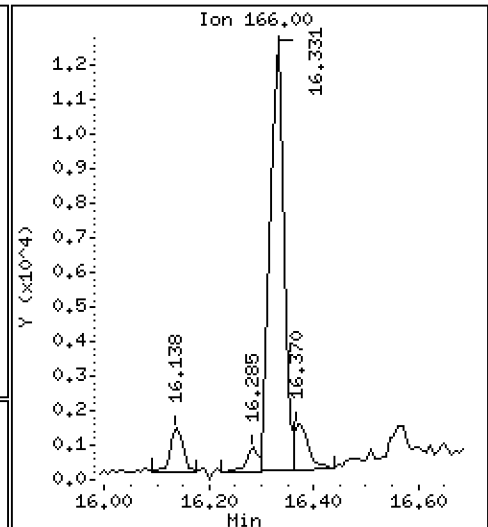
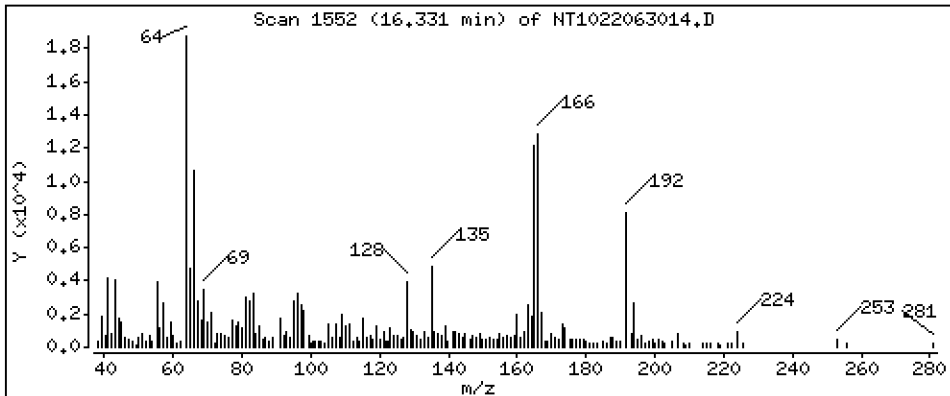
Operator: VTS

Column phase: ZB-5msi

Column diameter: 0.25

49 Fluorene

Concentration: 0.08720 ug/mL



Date : 30-JUN-2022 21:59

Client ID:

Instrument: nt10.i

Sample Info: 22F0267-13

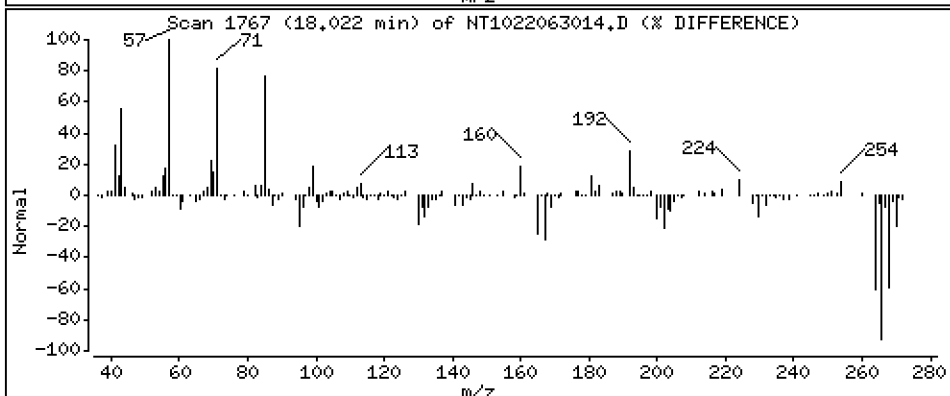
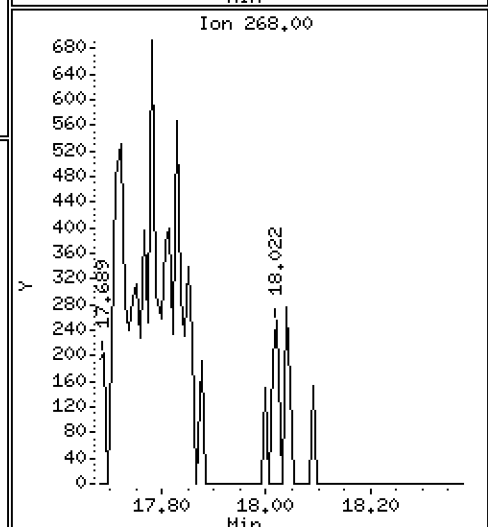
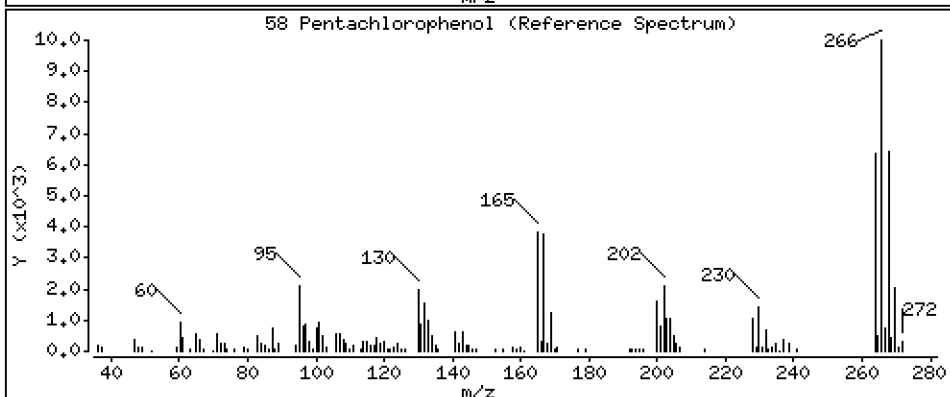
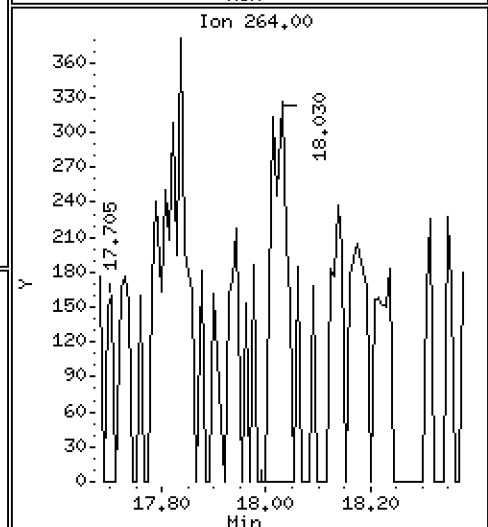
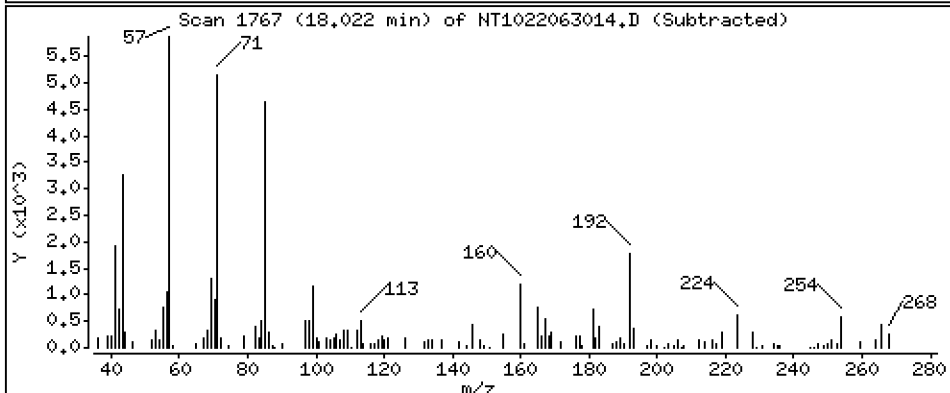
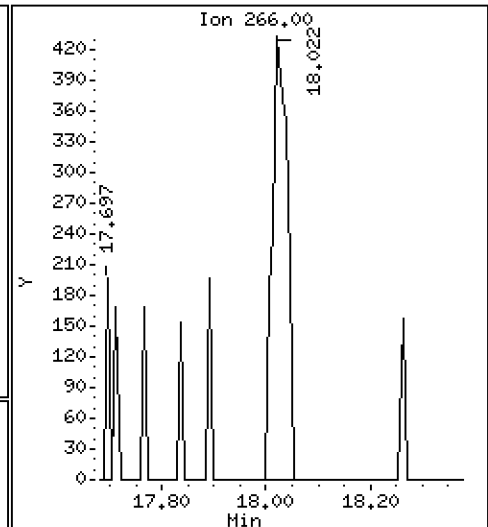
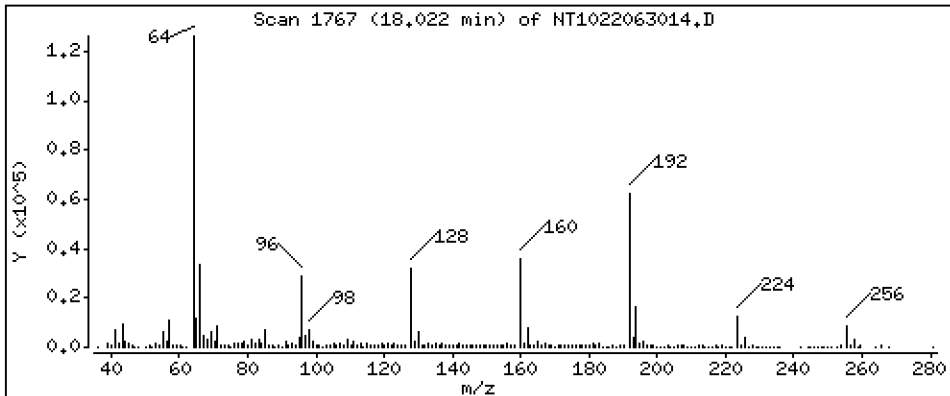
Operator: VTS

Column phase: ZB-5msi

Column diameter: 0,25

58 Pentachlorophenol

Concentration: 0,07335 ug/mL



Date : 30-JUN-2022 21:59

Client ID:

Instrument: nt10.i

Sample Info: 22F0267-13

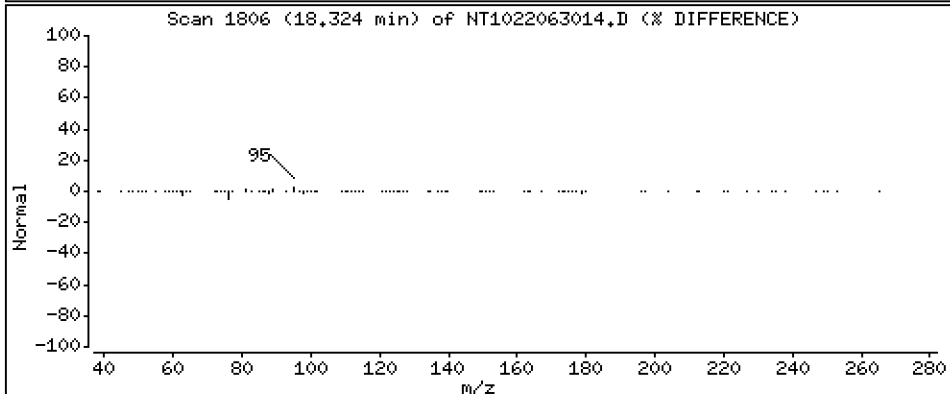
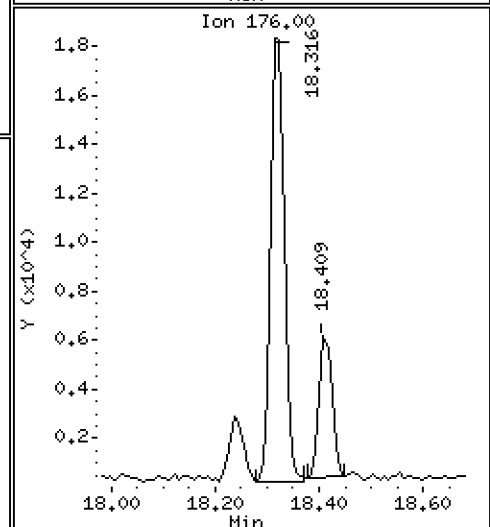
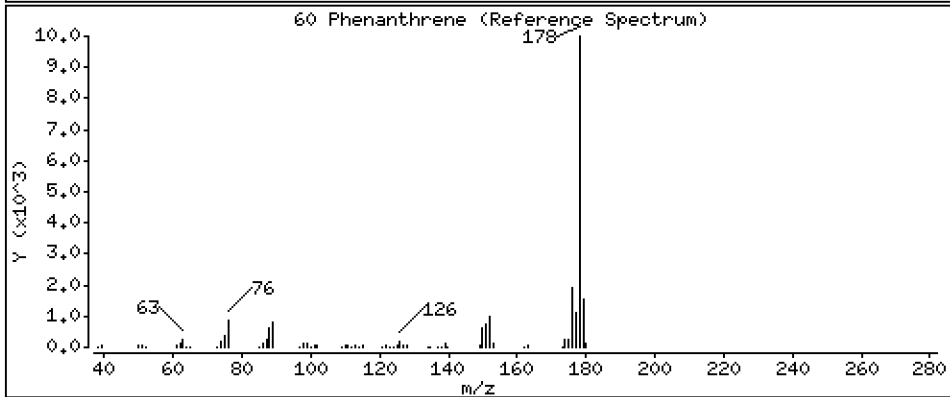
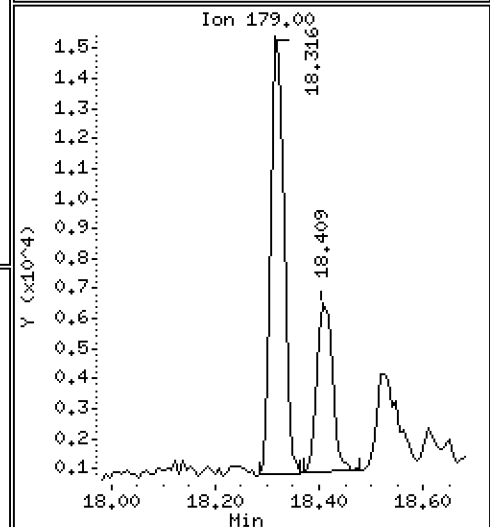
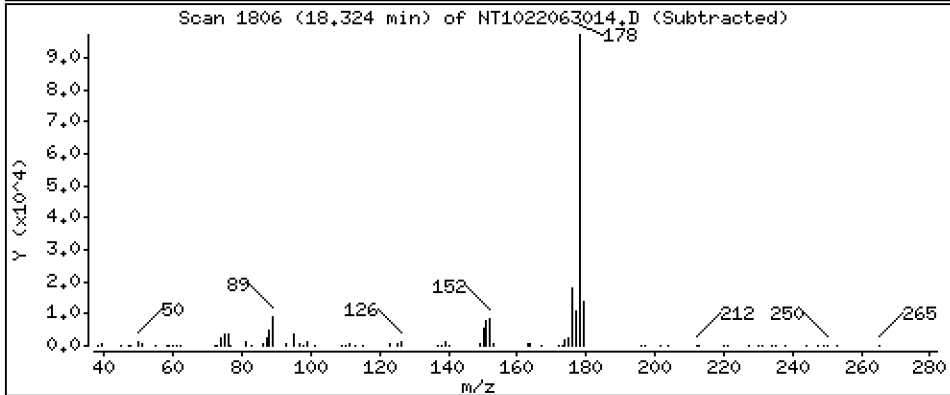
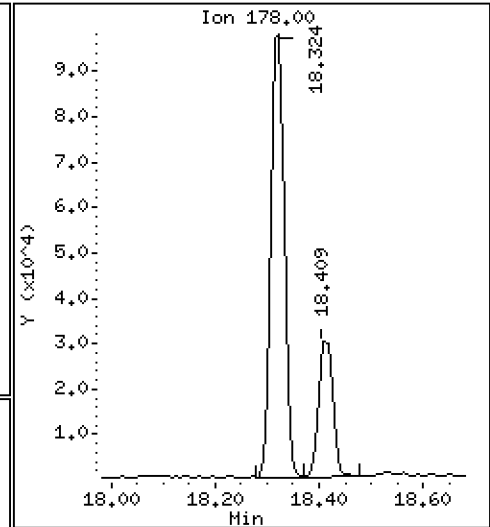
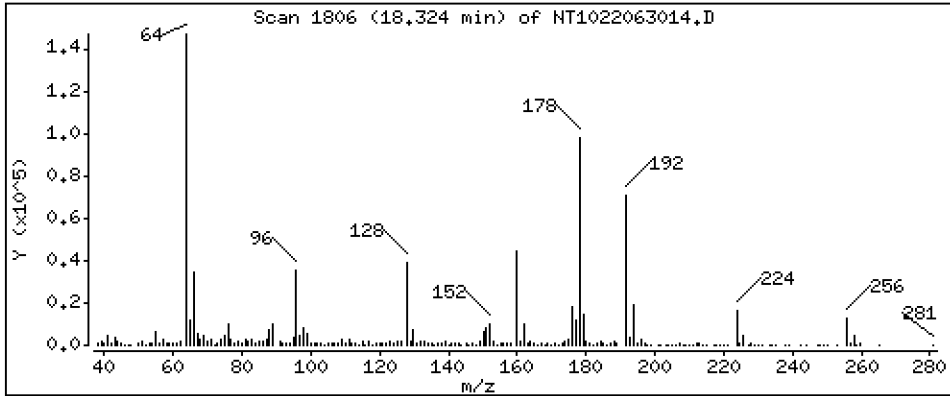
Operator: VTS

Column phase: ZB-5msi

Column diameter: 0,25

Concentration: 0,8441 ug/mL

60 Phenanthrene



Date : 30-JUN-2022 21:59

Client ID:

Instrument: nt10.i

Sample Info: 22F0267-13

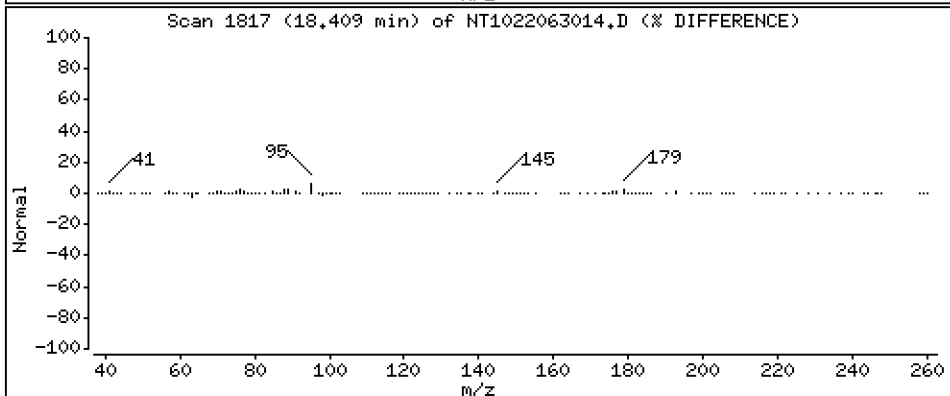
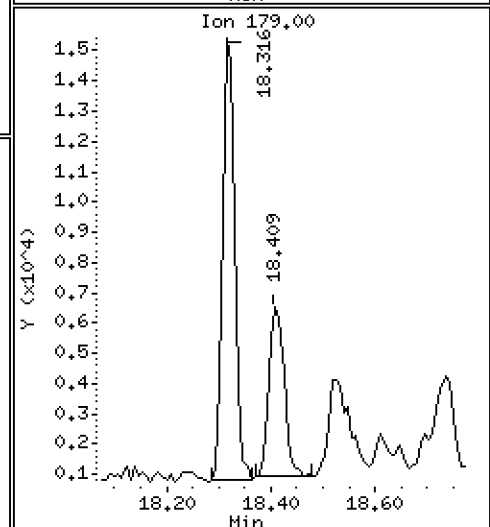
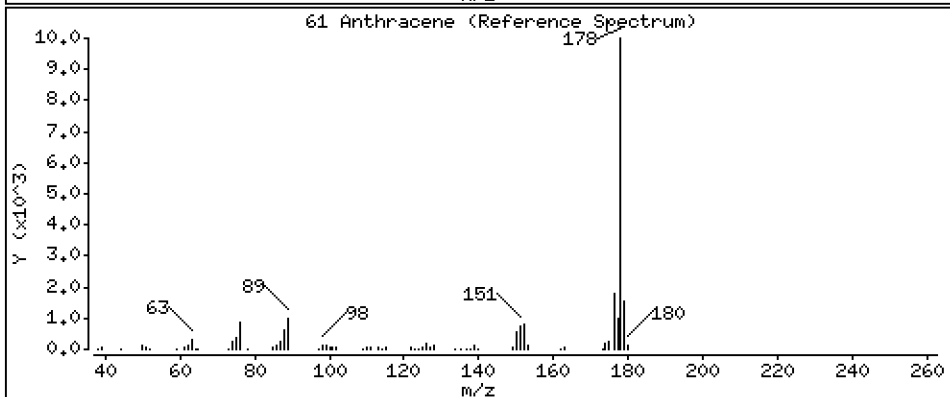
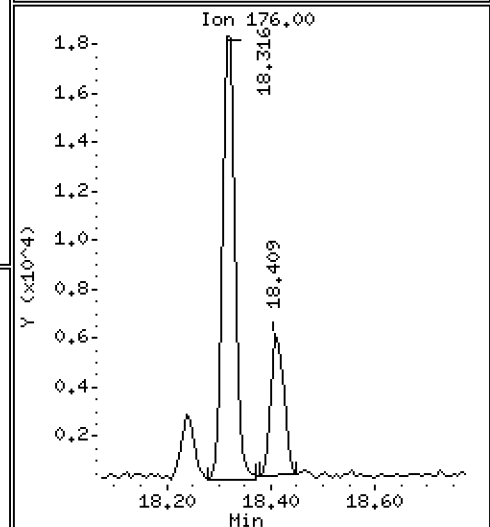
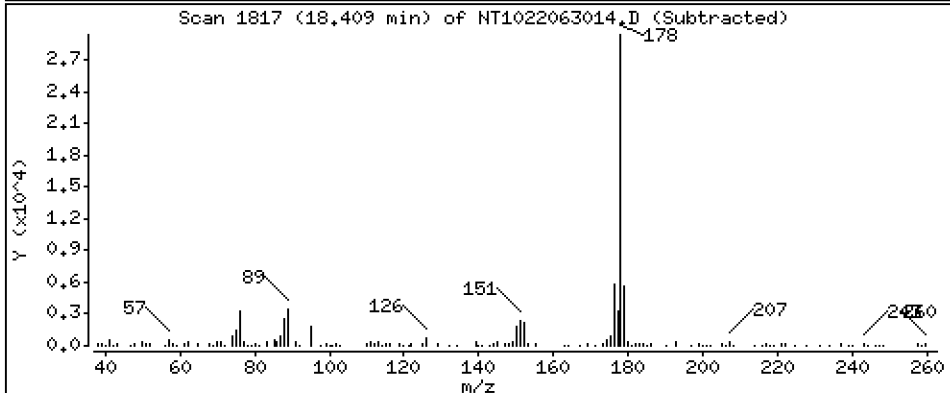
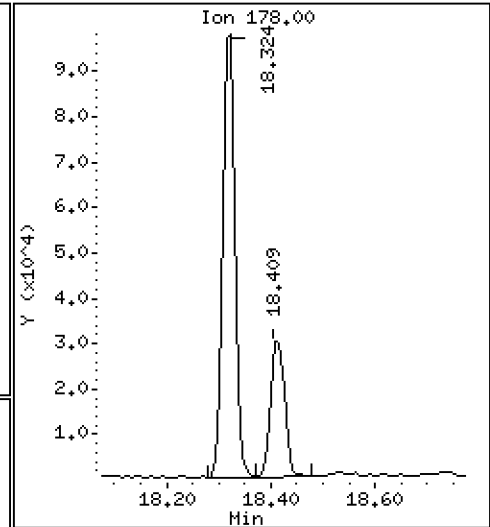
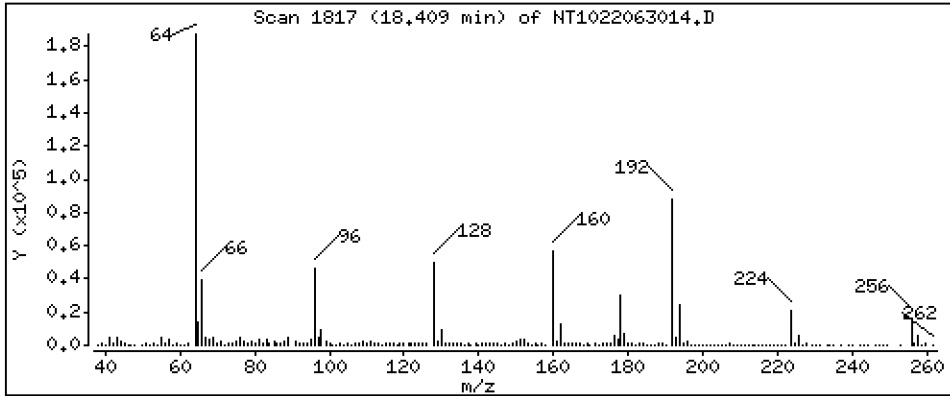
Operator: VTS

Column phase: ZB-5msi

Column diameter: 0,25

61 Anthracene

Concentration: 0,2569 ug/mL



Date : 30-JUN-2022 21:59

Client ID:

Instrument: nt10.i

Sample Info: 22F0267-13

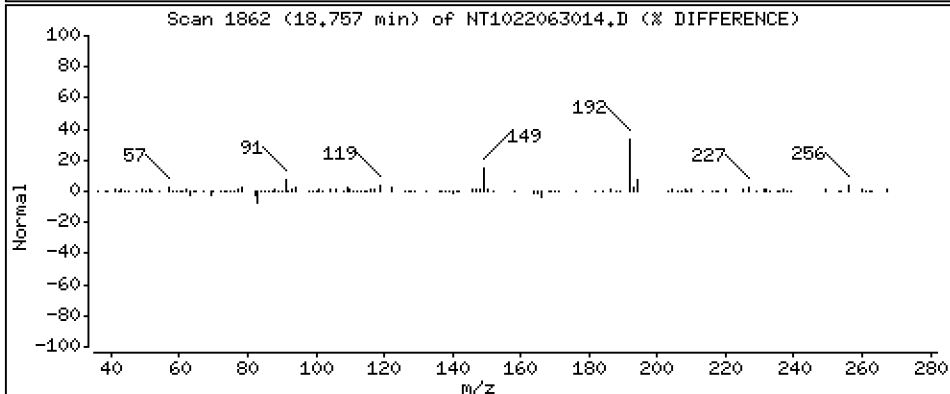
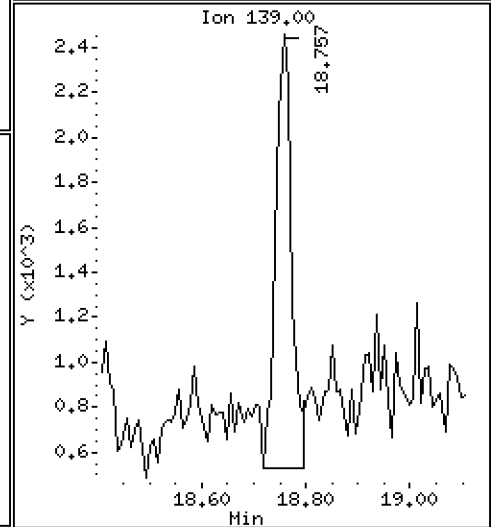
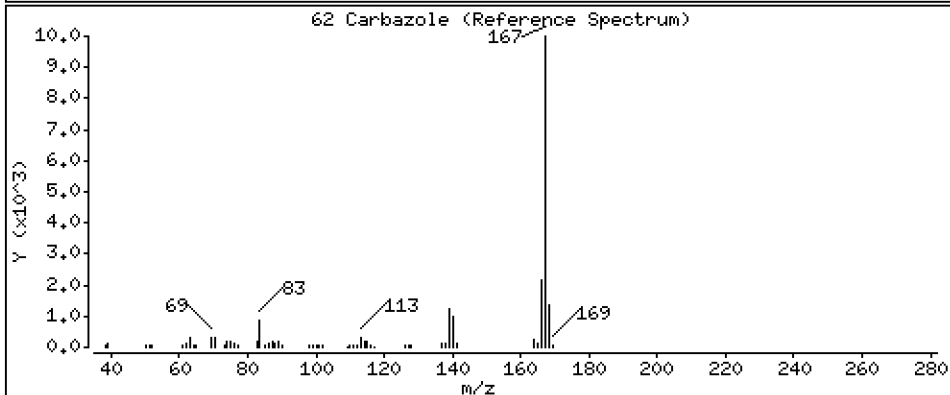
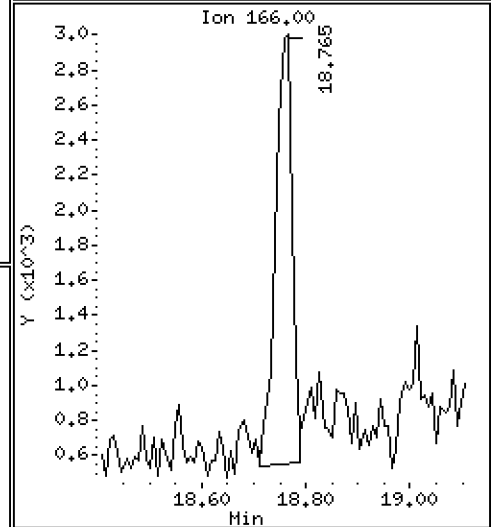
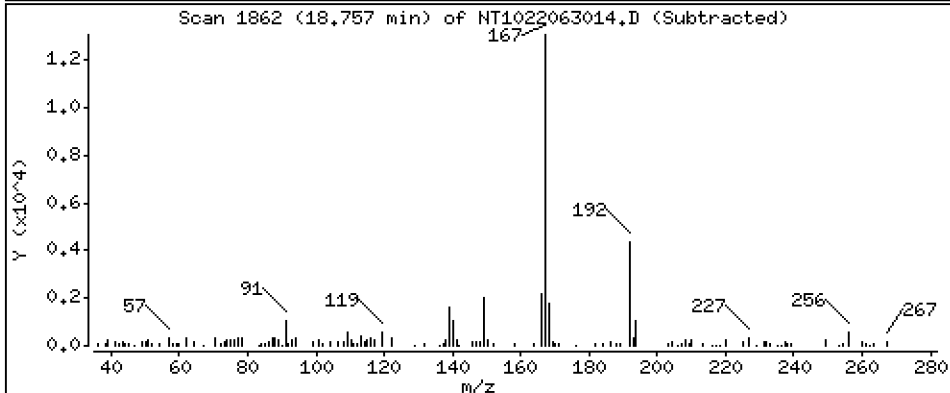
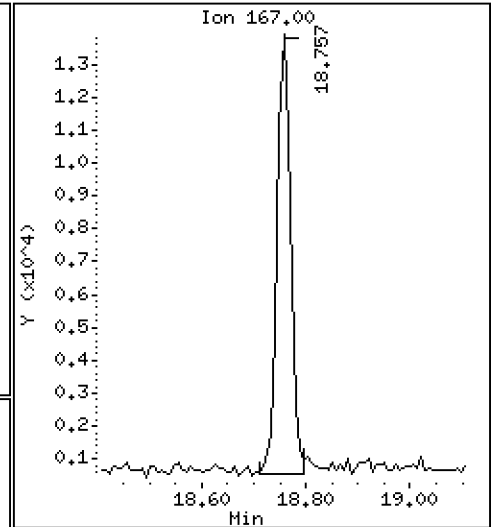
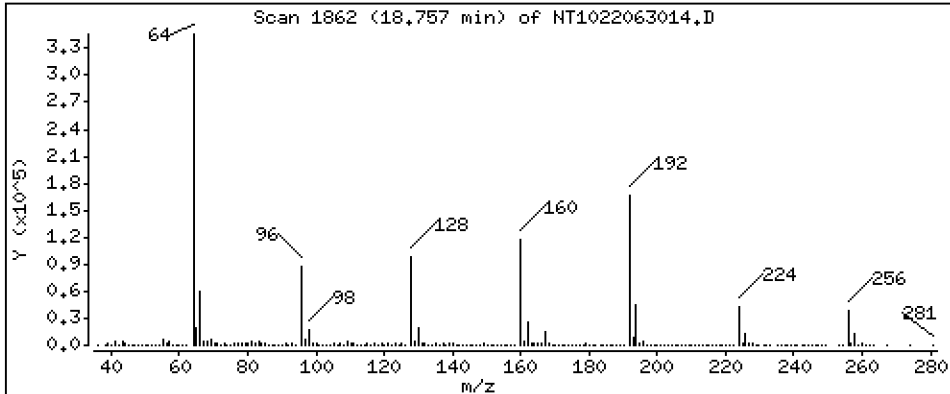
Operator: VTS

Column phase: ZB-5msi

Column diameter: 0,25

62 Carbazole

Concentration: 0,1180 ug/mL



Date : 30-JUN-2022 21:59

Client ID:

Instrument: nt10.i

Sample Info: 22F0267-13

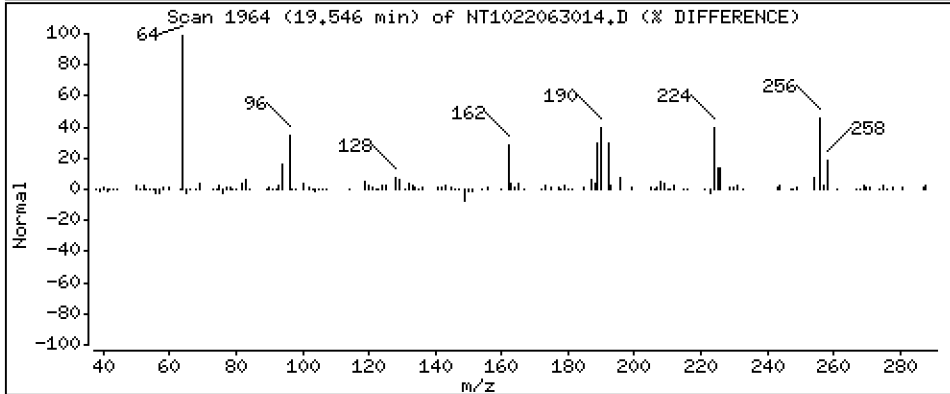
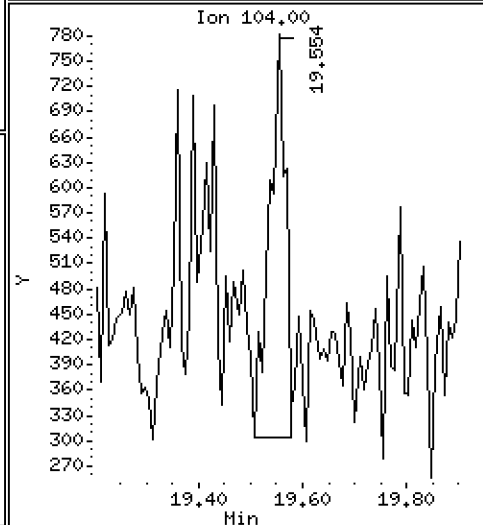
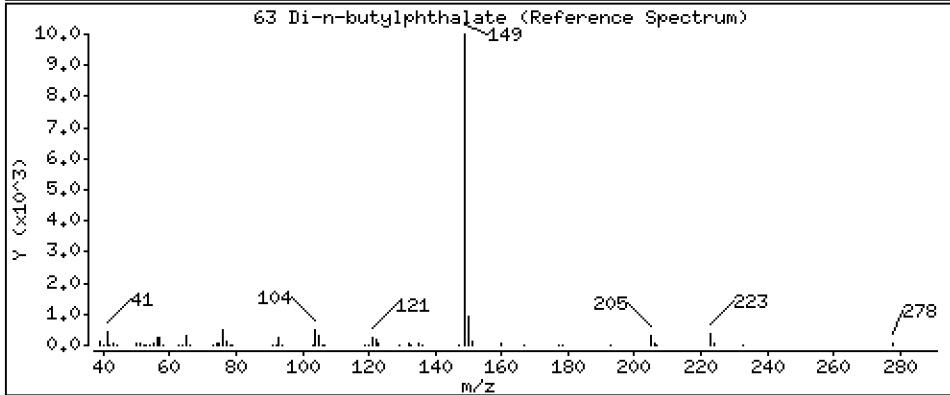
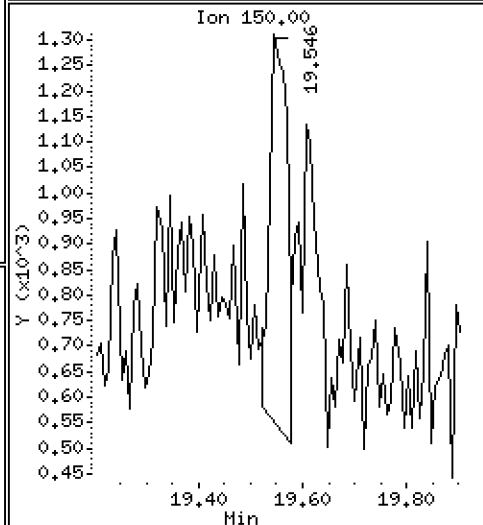
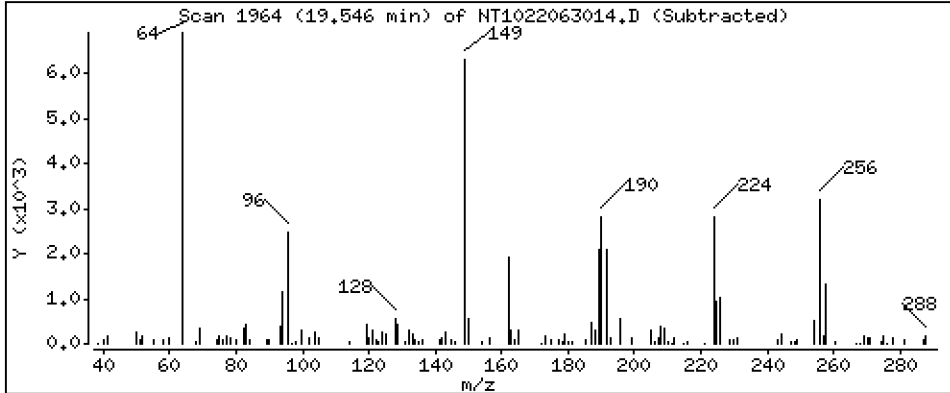
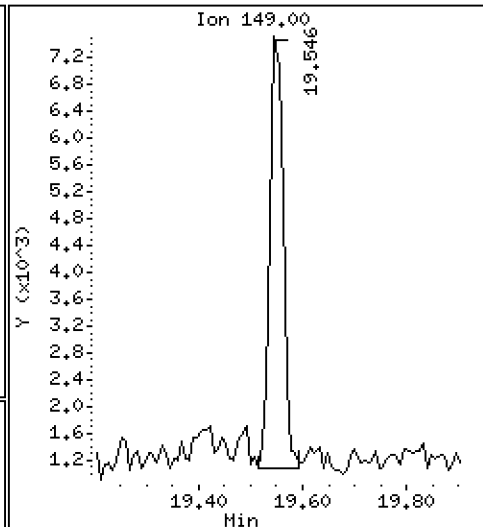
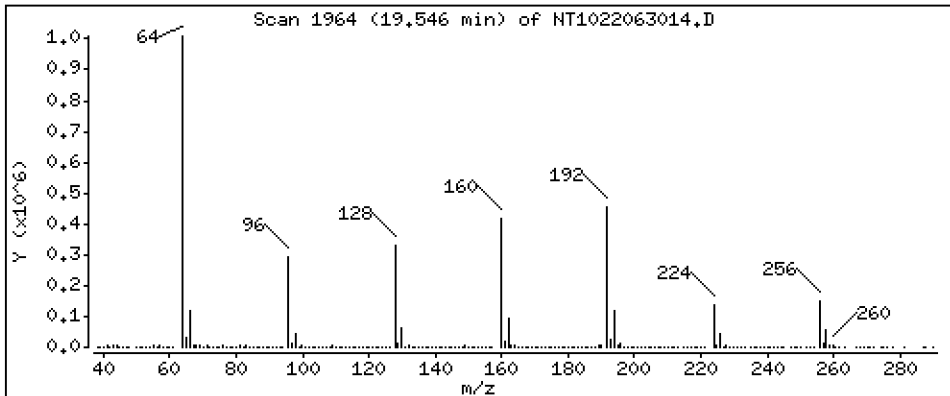
Operator: VTS

Column phase: ZB-5msi

Column diameter: 0.25

63 Di-n-butylphthalate

Concentration: 0.03714 ug/mL



Date : 30-JUN-2022 21:59

Client ID:

Instrument: nt10.i

Sample Info: 22F0267-13

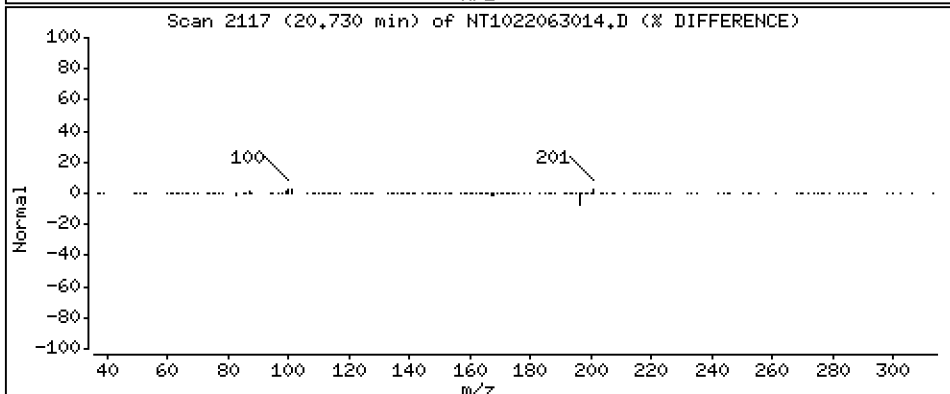
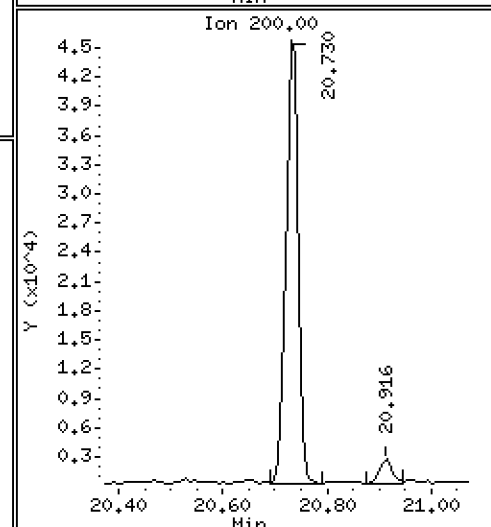
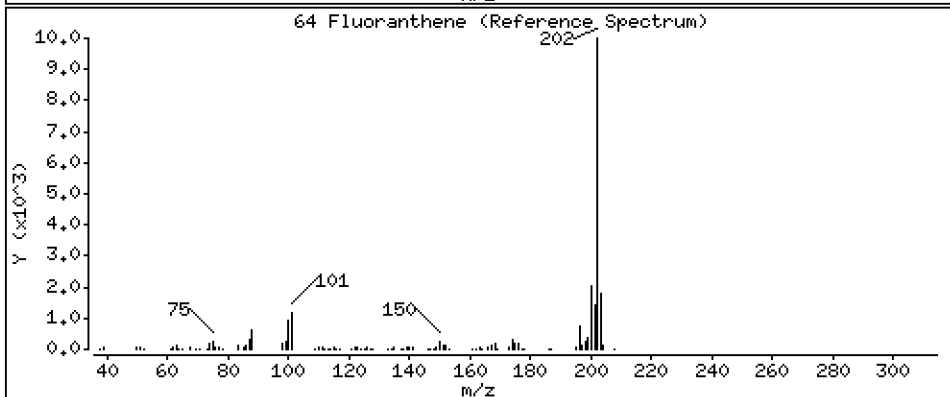
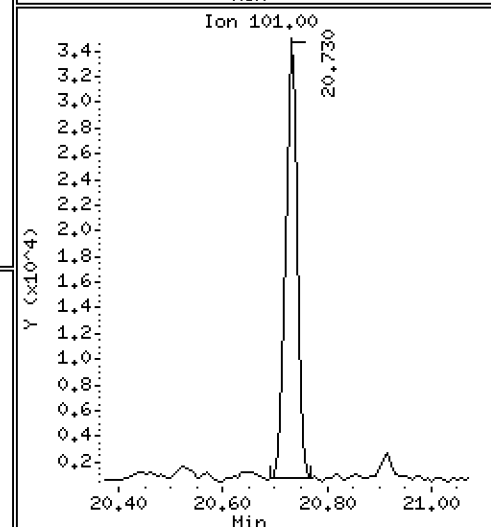
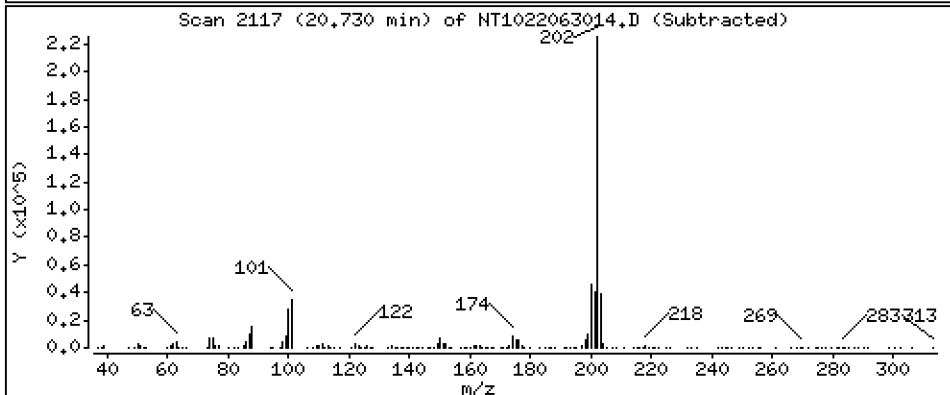
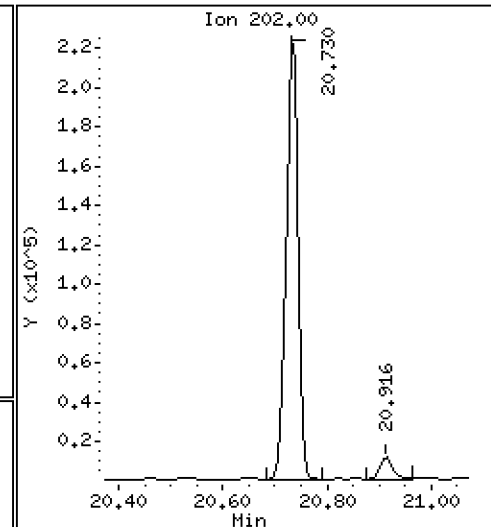
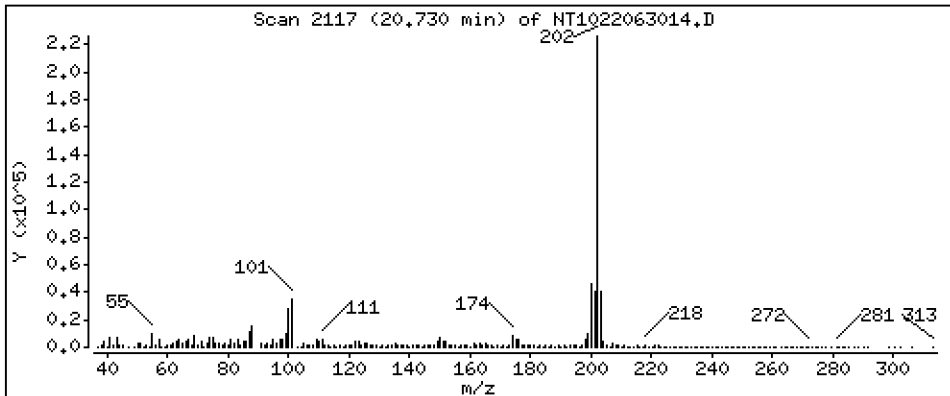
Operator: VTS

Column phase: ZB-5msi

Column diameter: 0,25

64 Fluoranthene

Concentration: 3,664 ug/mL



Date : 30-JUN-2022 21:59

Client ID:

Instrument: nt10.i

Sample Info: 22F0267-13

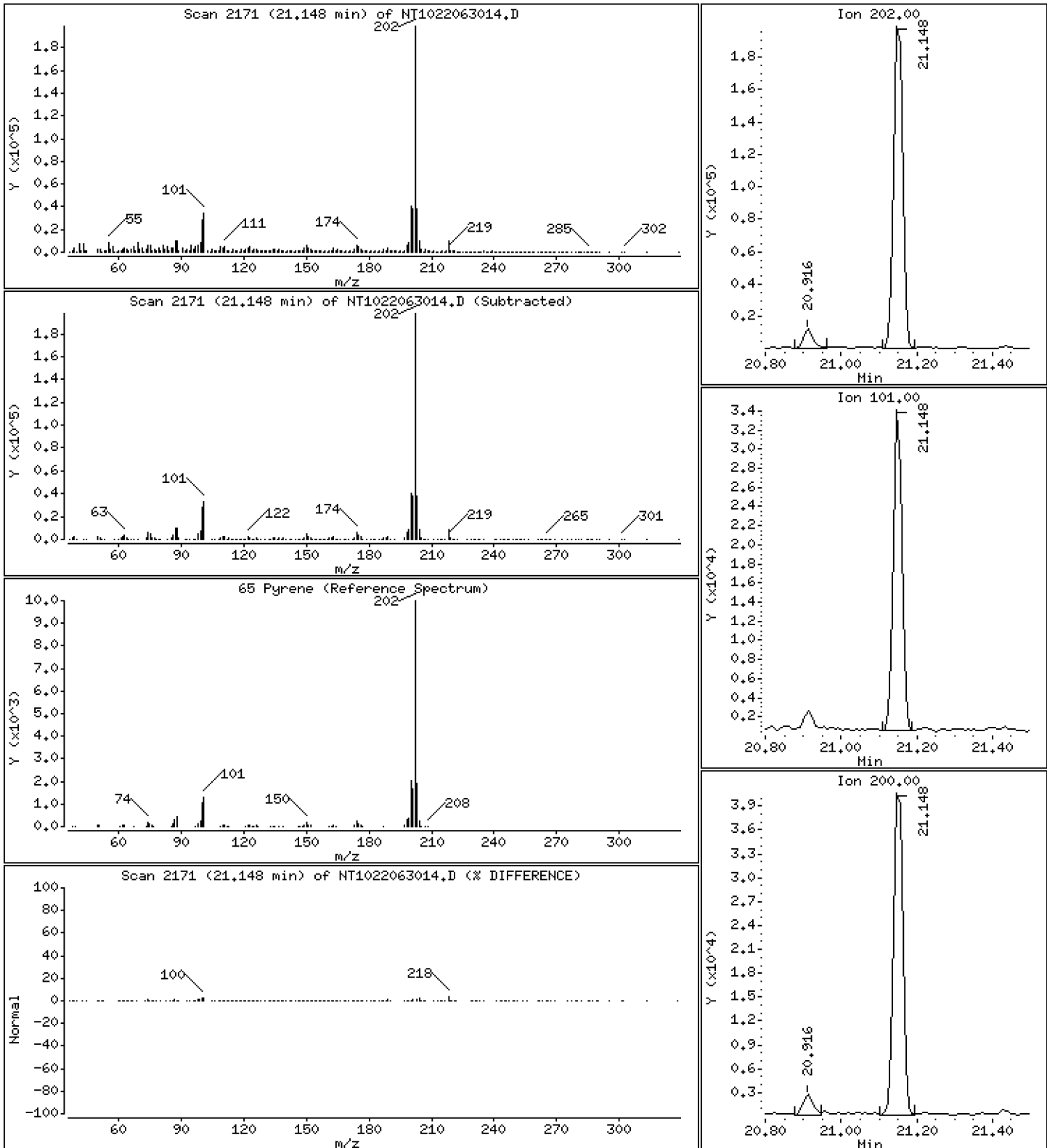
Operator: VTS

Column phase: ZB-5msi

Column diameter: 0,25

65 Pyrene

Concentration: 3,695 ug/mL



Date : 30-JUN-2022 21:59

Client ID:

Instrument: nt10.i

Sample Info: 22F0267-13

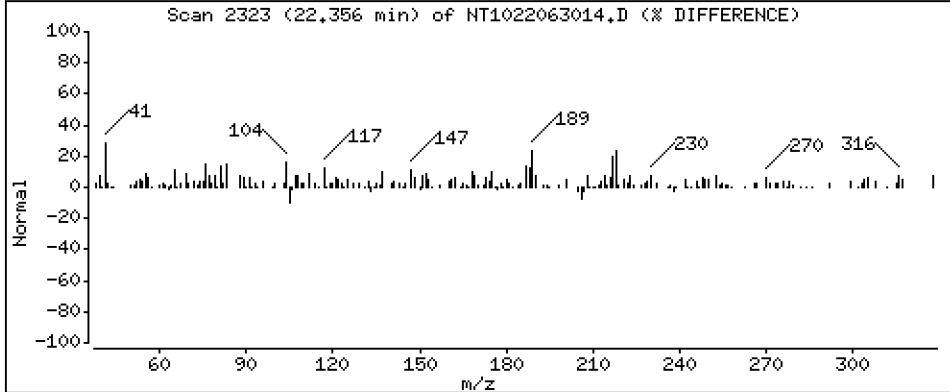
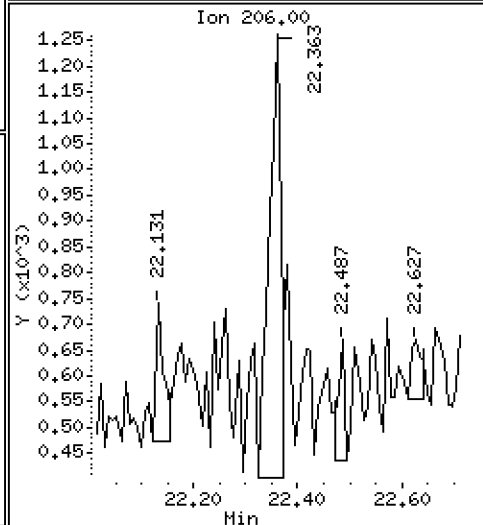
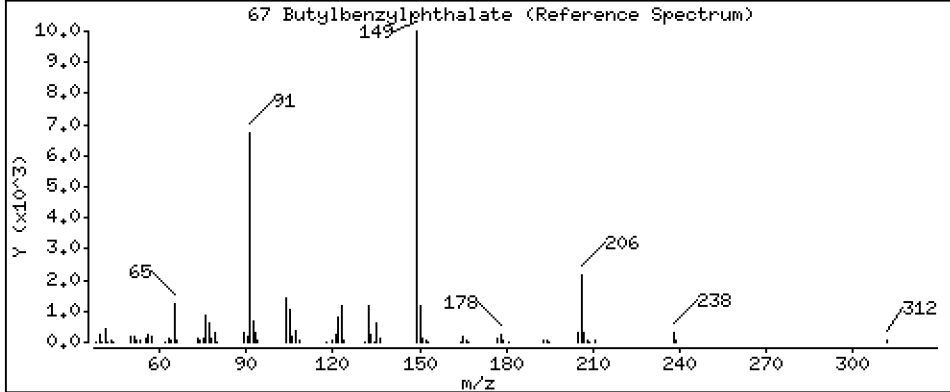
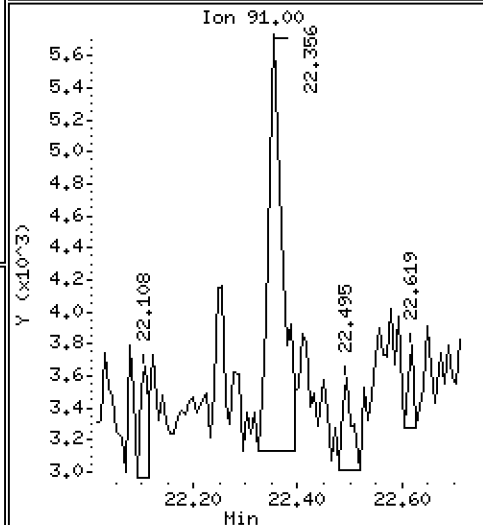
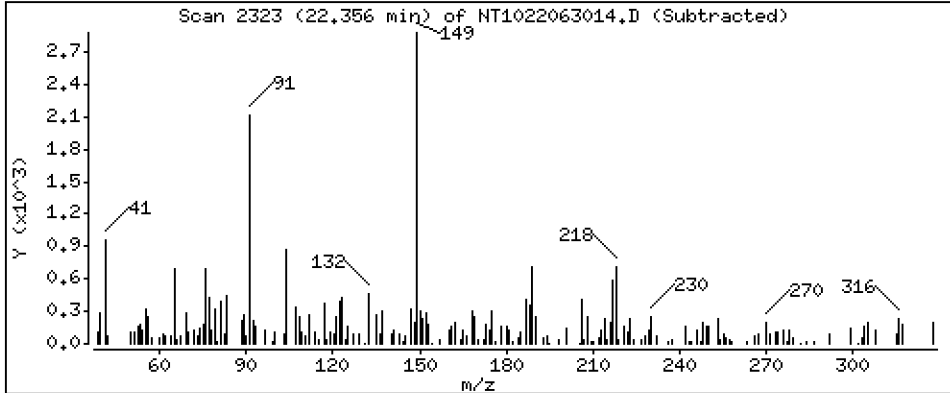
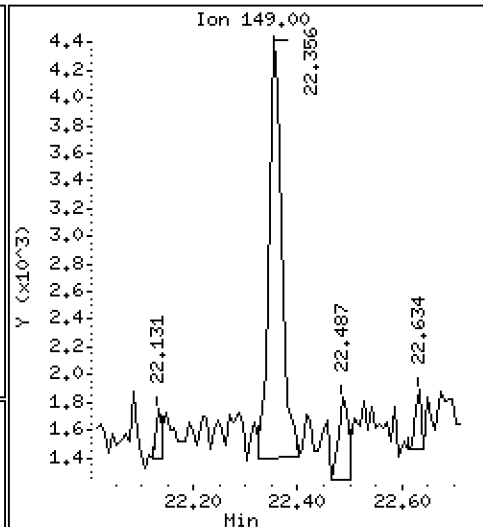
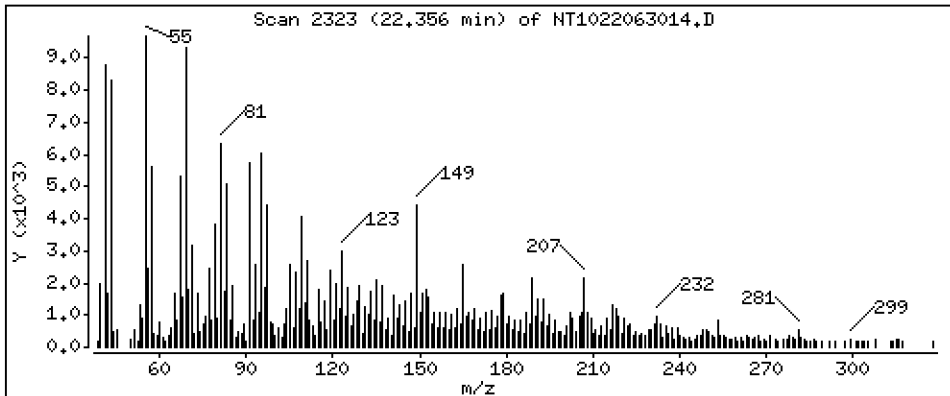
Operator: VTS

Column phase: ZB-5msi

Column diameter: 0.25

67 Butylbenzylphthalate

Concentration: 0.1855 ug/mL



Date : 30-JUN-2022 21:59

Client ID:

Instrument: nt10.i

Sample Info: 22F0267-13

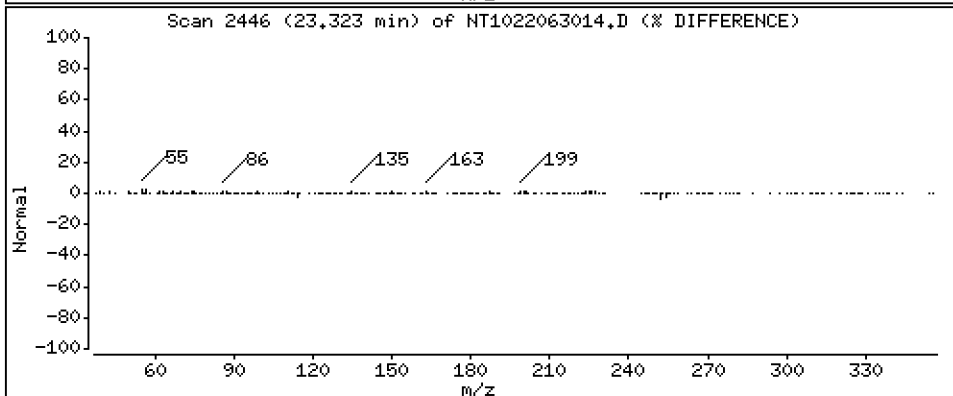
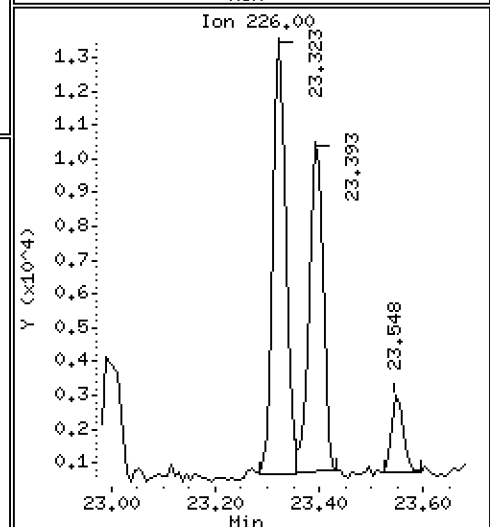
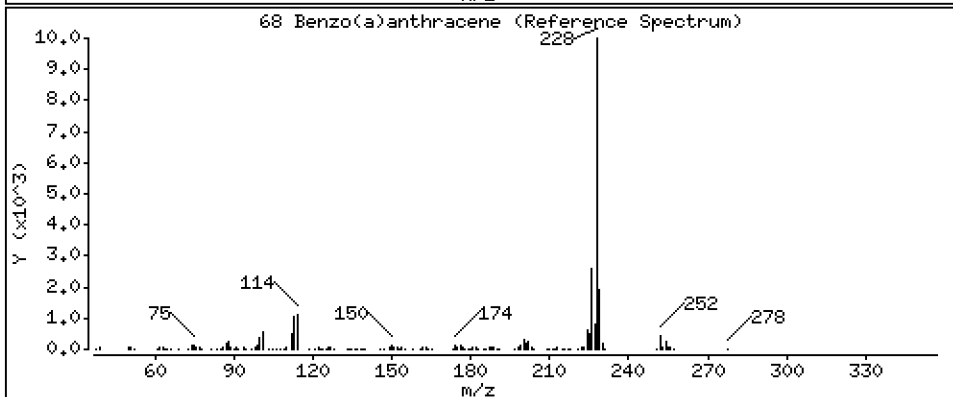
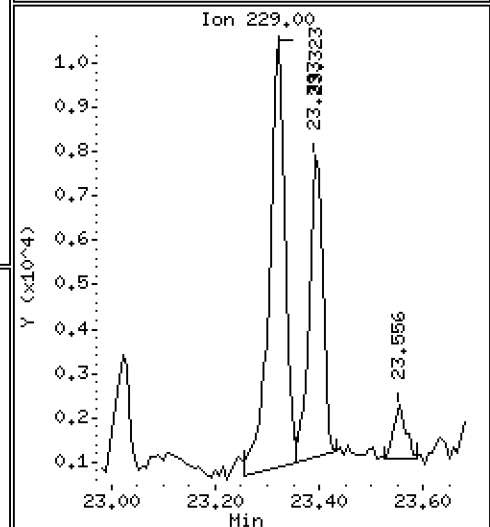
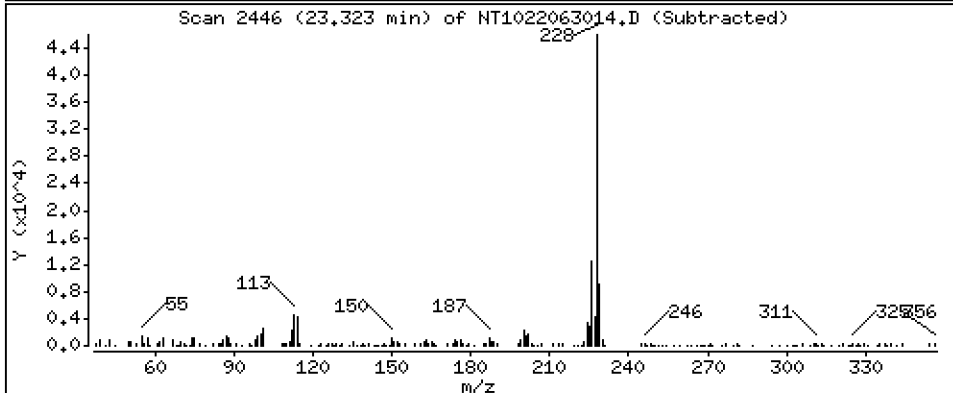
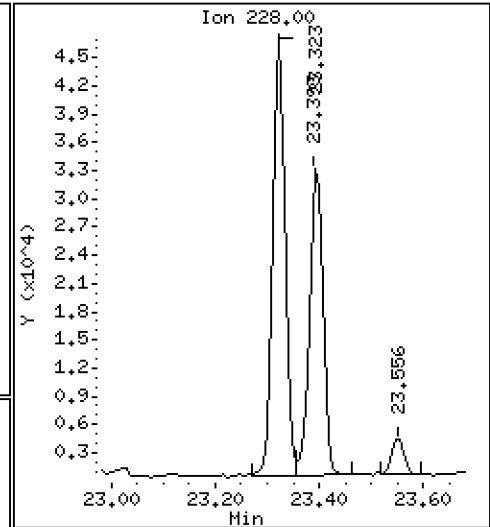
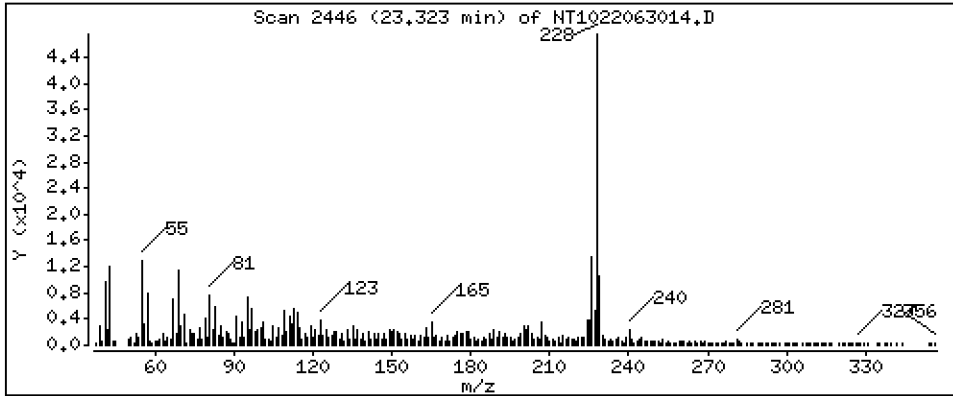
Operator: VTS

Column phase: ZB-5msi

Column diameter: 0,25

68 Benzo(a)anthracene

Concentration: 1,279 ug/mL



Date : 30-JUN-2022 21:59

Client ID:

Instrument: nt10.i

Sample Info: 22F0267-13

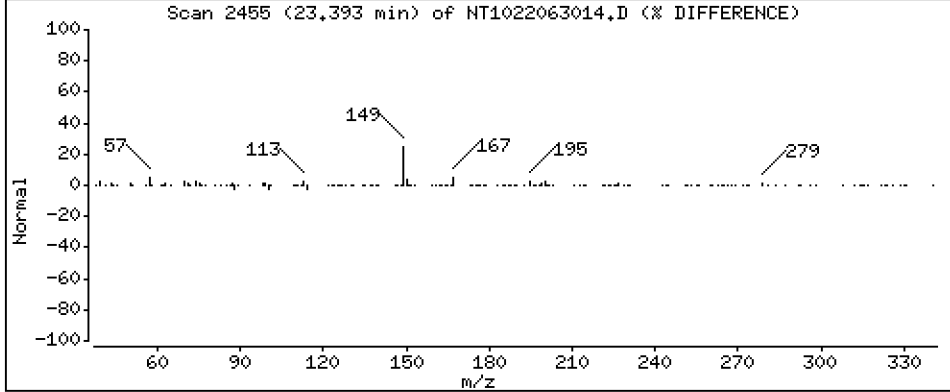
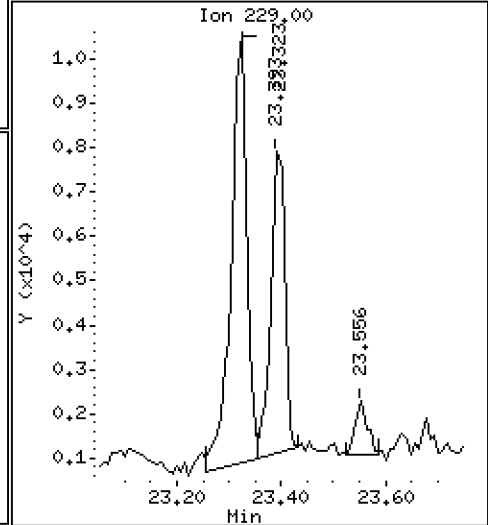
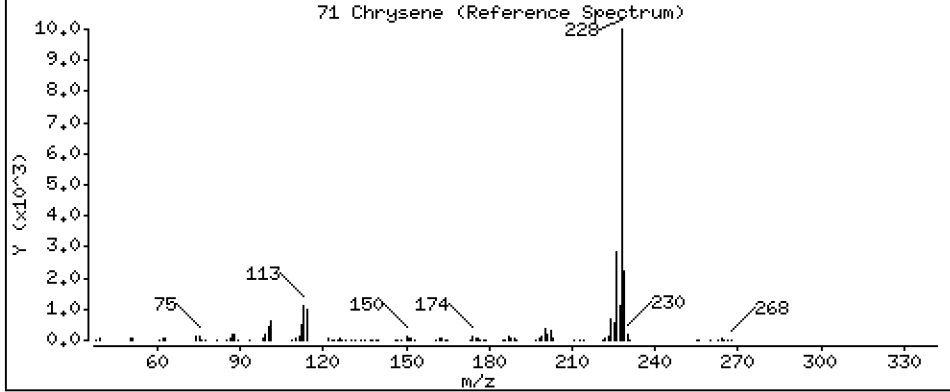
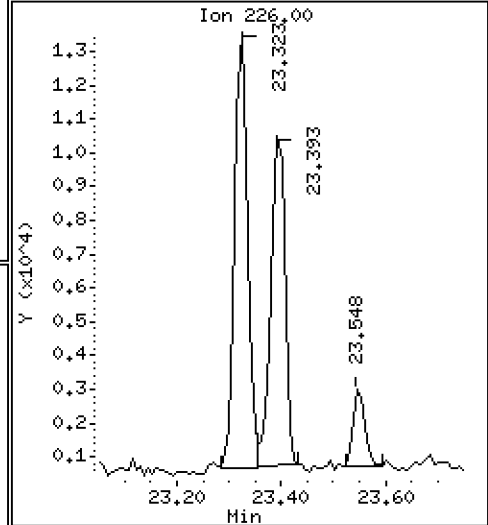
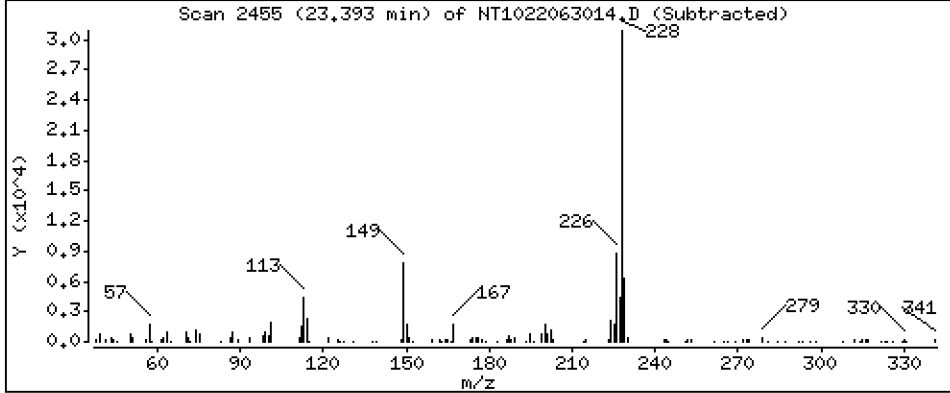
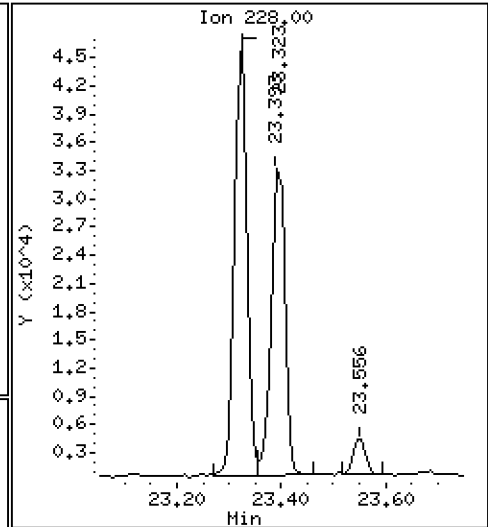
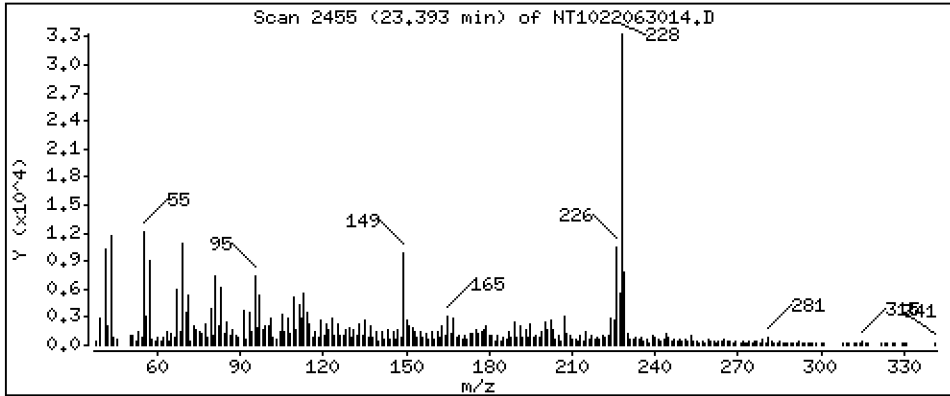
Operator: VTS

Column phase: ZB-5msi

Column diameter: 0,25

71 Chrysene

Concentration: 1,502 ug/mL



Date : 30-JUN-2022 21:59

Client ID:

Instrument: nt10.i

Sample Info: 22F0267-13

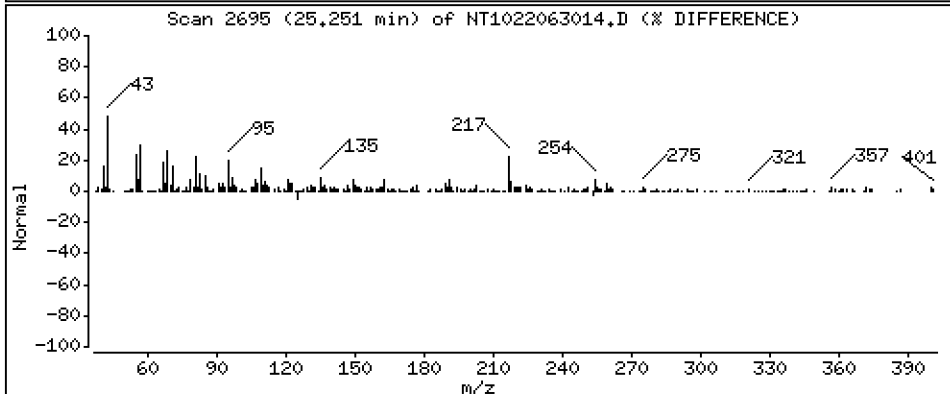
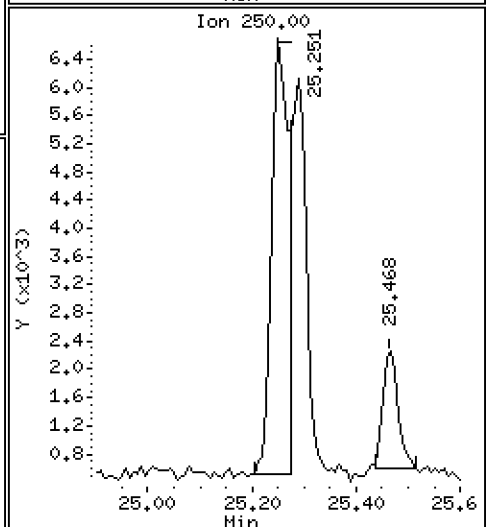
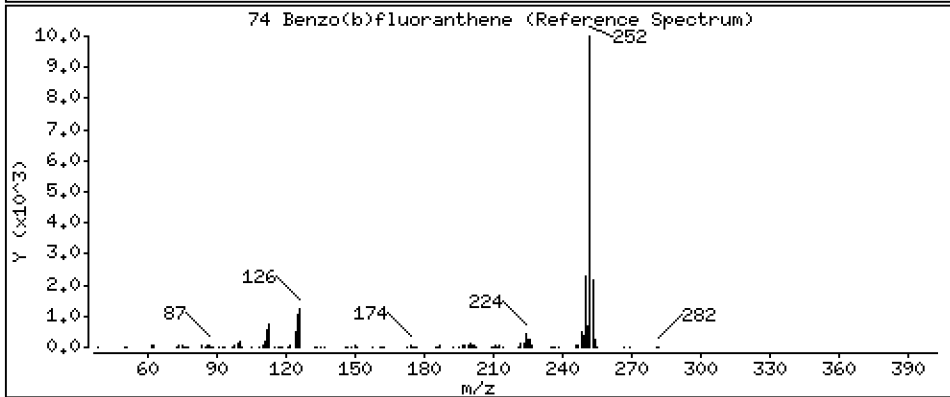
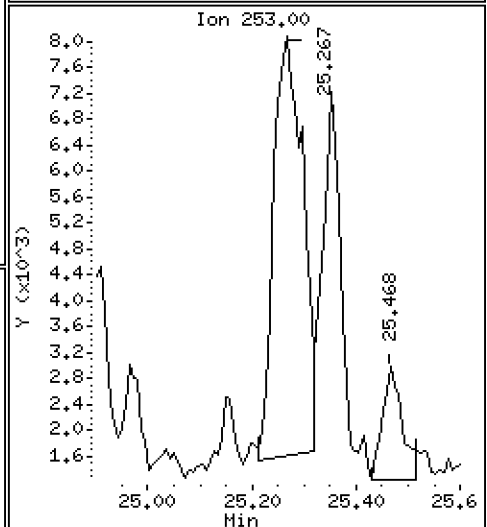
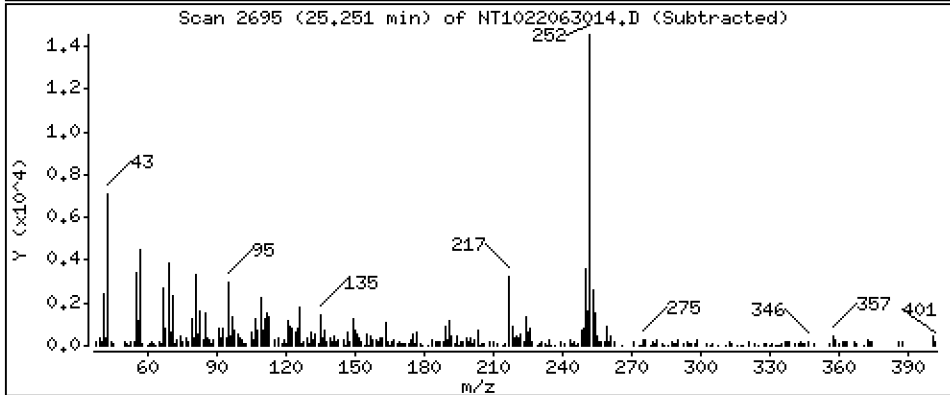
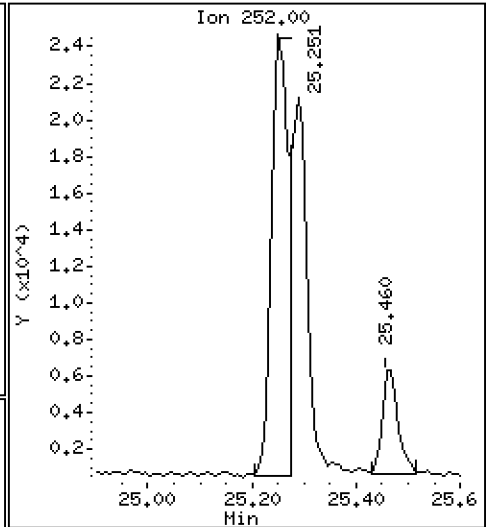
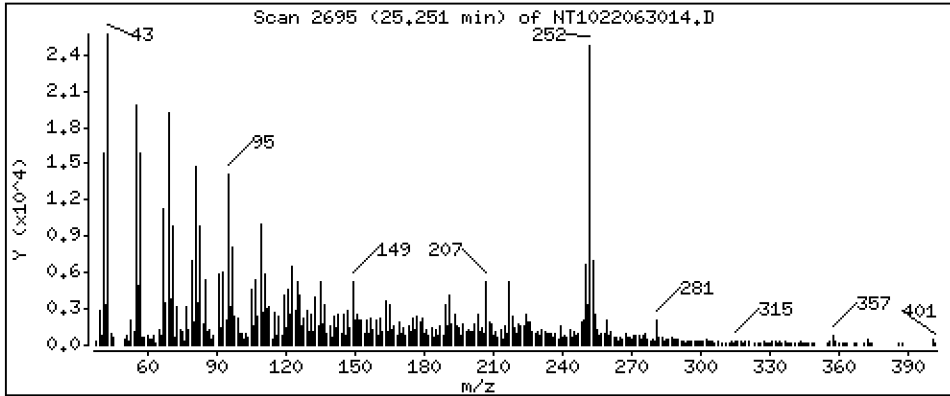
Operator: VTS

Column phase: ZB-5msi

Column diameter: 0,25

74 Benzo(b)fluoranthene

Concentration: 1,260 ug/mL



Date : 30-JUN-2022 21:59

Client ID:

Instrument: nt10.i

Sample Info: 22F0267-13

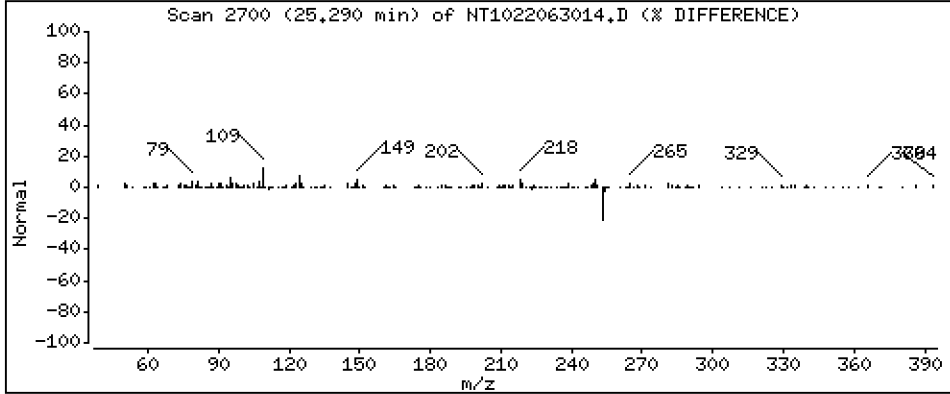
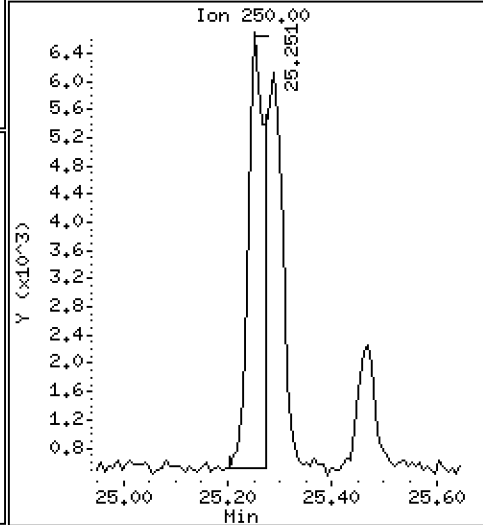
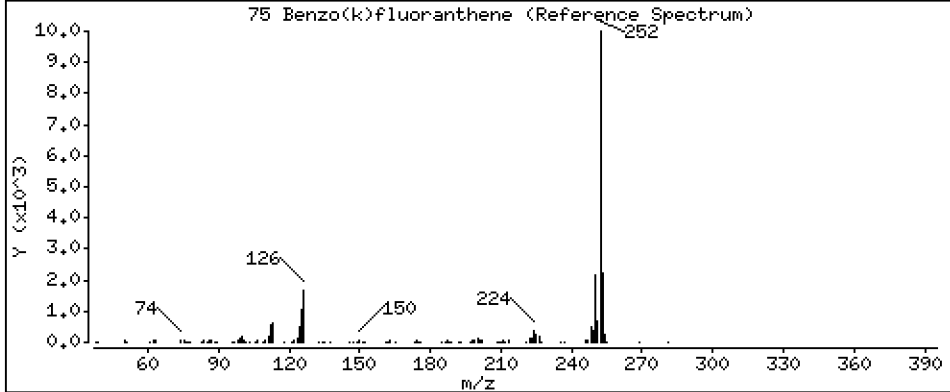
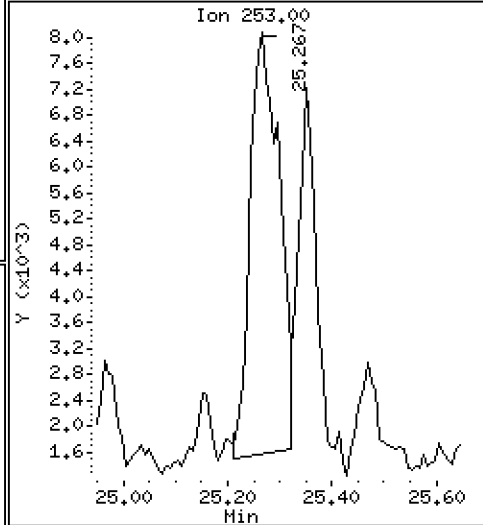
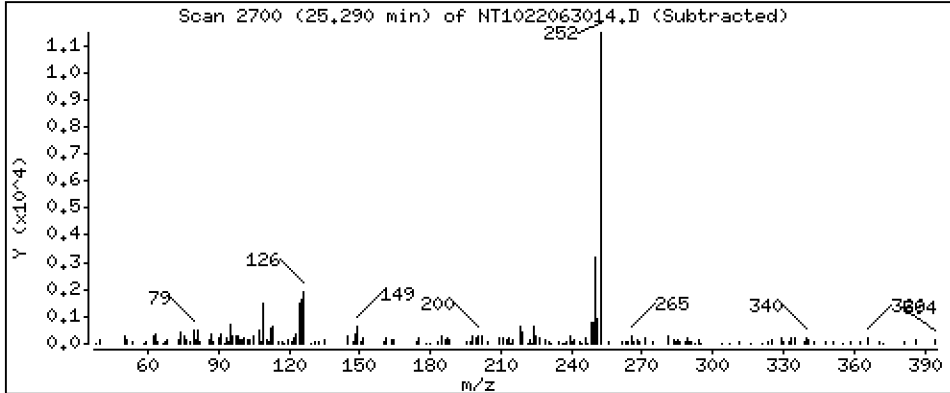
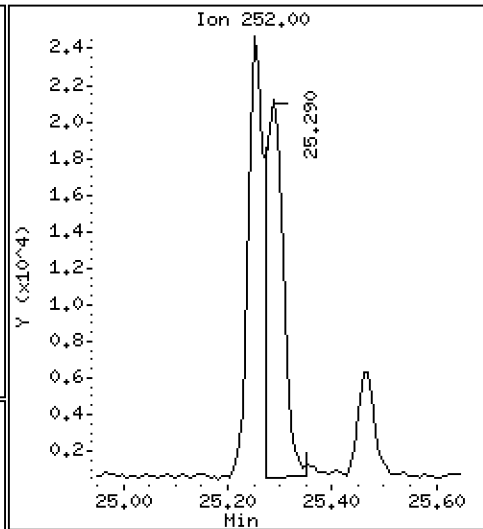
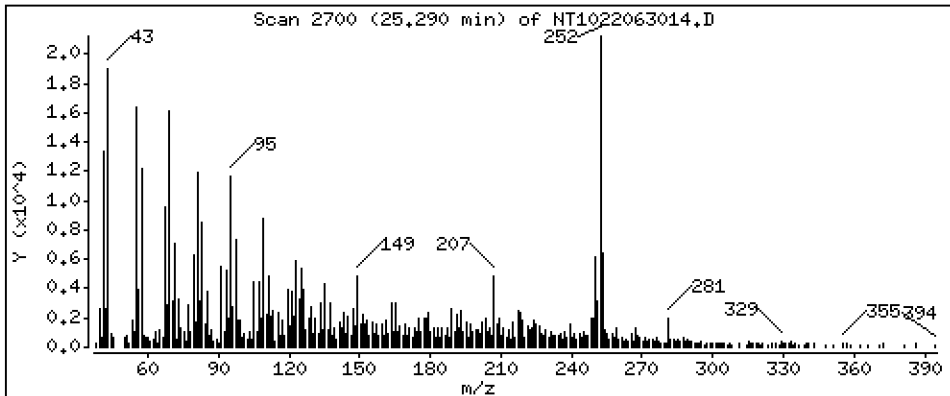
Operator: VTS

Column phase: ZB-5msi

Column diameter: 0,25

75 Benzo(k)fluoranthene

Concentration: 1,132 ug/mL



Date : 30-JUN-2022 21:59

Client ID:

Instrument: nt10.i

Sample Info: 22F0267-13

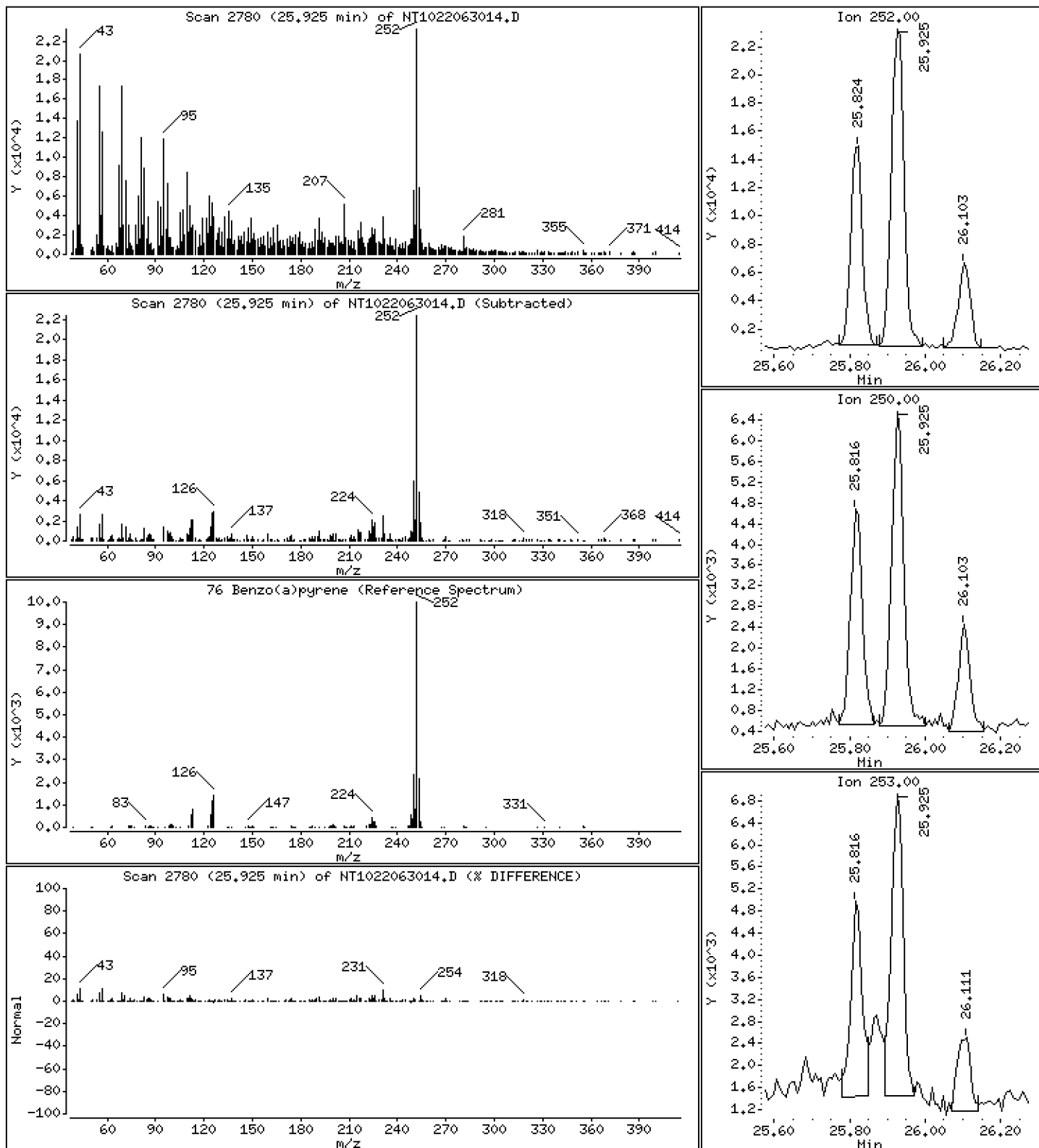
Operator: VTS

Column phase: ZB-5msi

Column diameter: 0,25

76 Benzo(a)pyrene

Concentration: 1,431 ug/mL



Date : 30-JUN-2022 21:59

Client ID:

Instrument: nt10.i

Sample Info: 22F0267-13

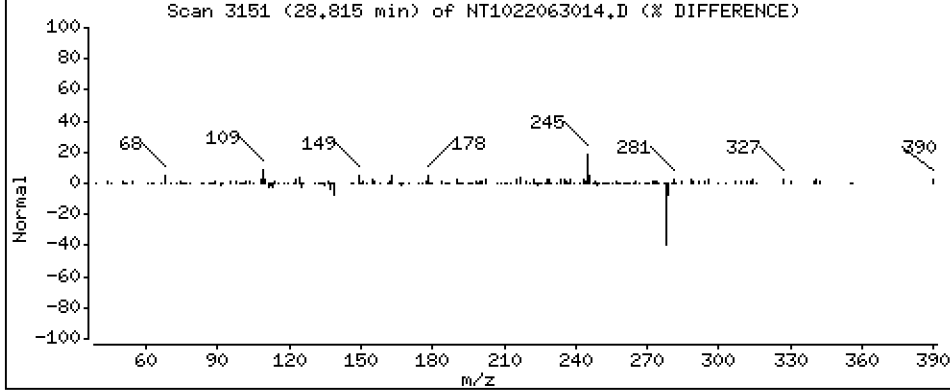
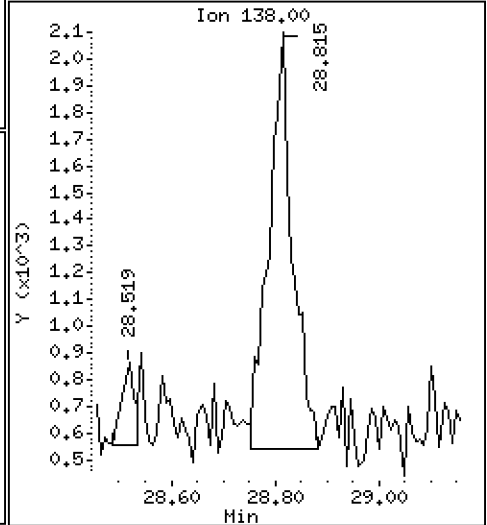
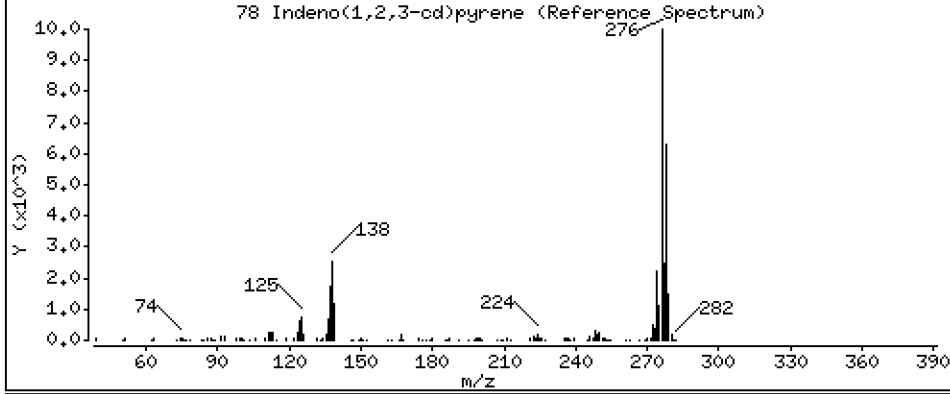
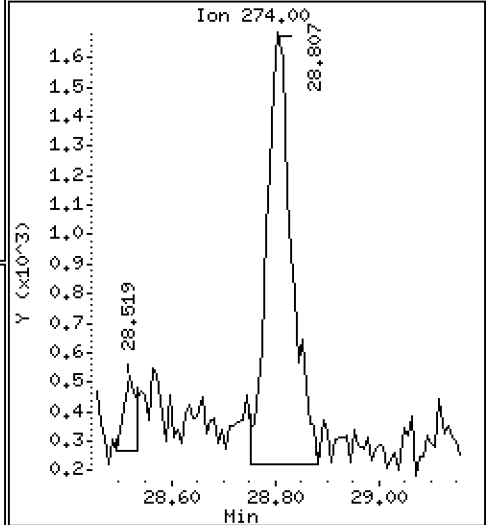
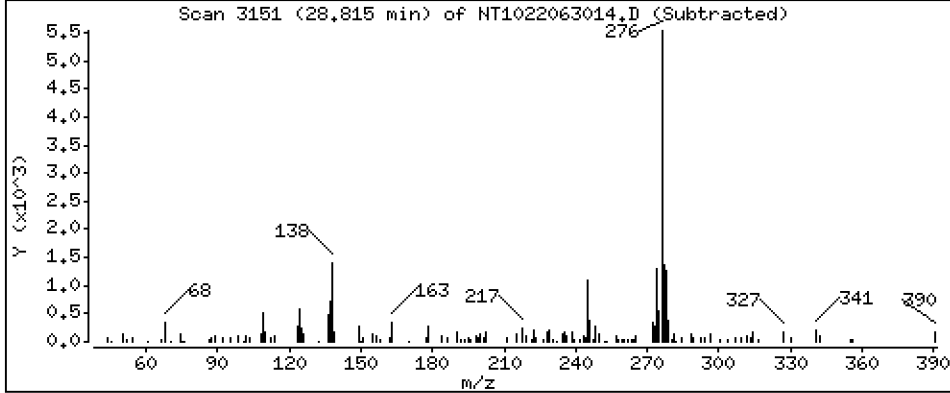
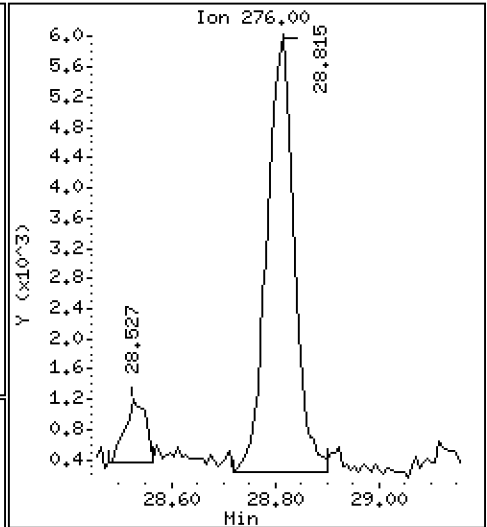
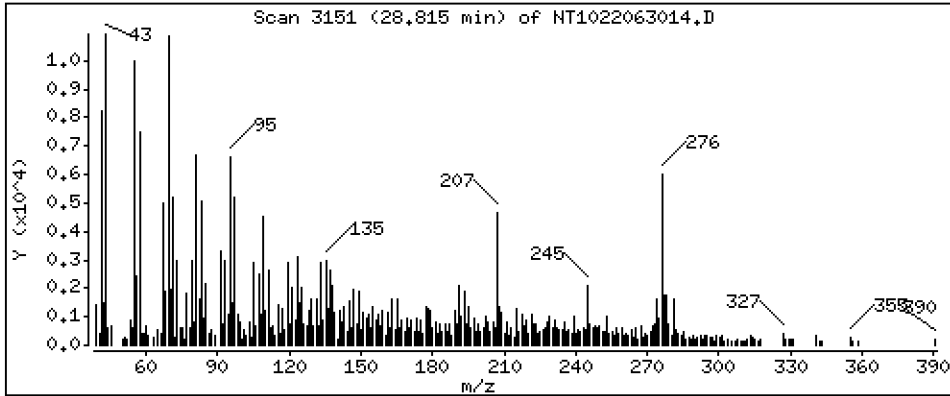
Operator: VTS

Column phase: ZB-5msi

Column diameter: 0.25

78 Indeno(1,2,3-cd)pyrene

Concentration: 0.5515 ug/mL



Date : 30-JUN-2022 21:59

Client ID:

Instrument: nt10.i

Sample Info: 22F0267-13

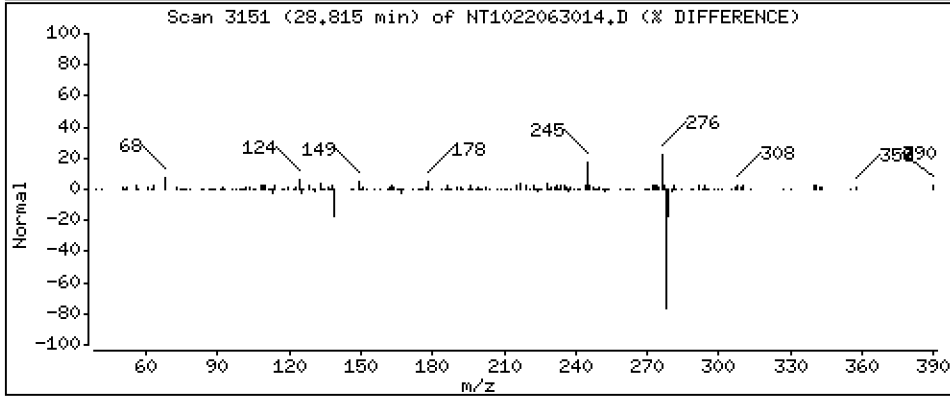
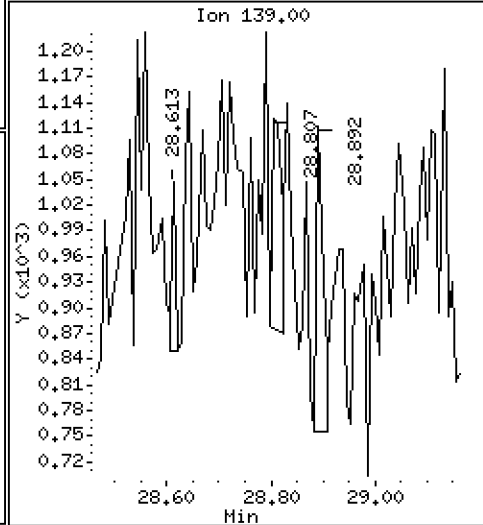
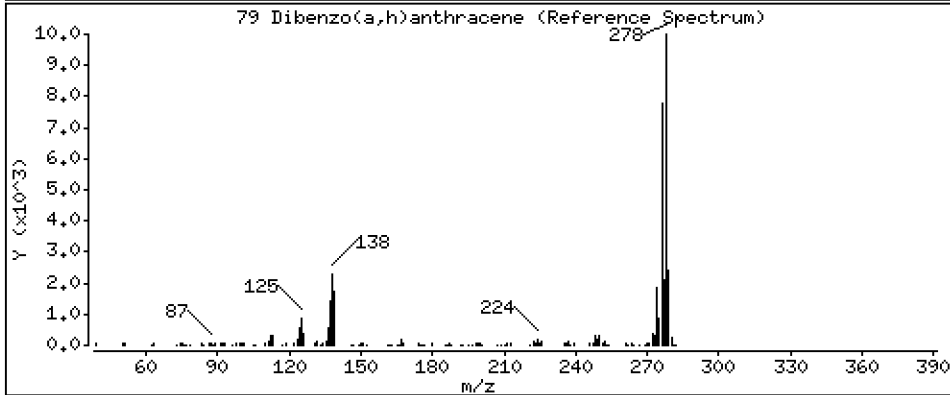
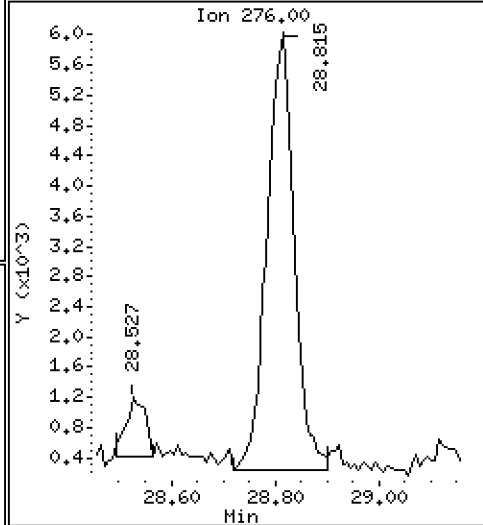
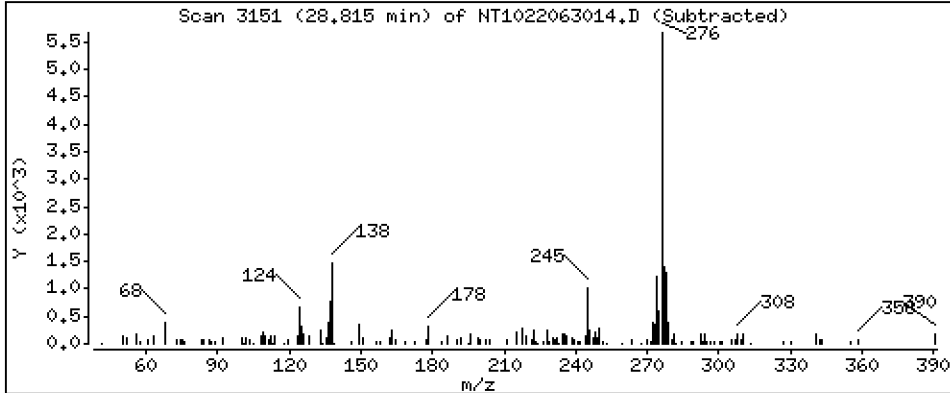
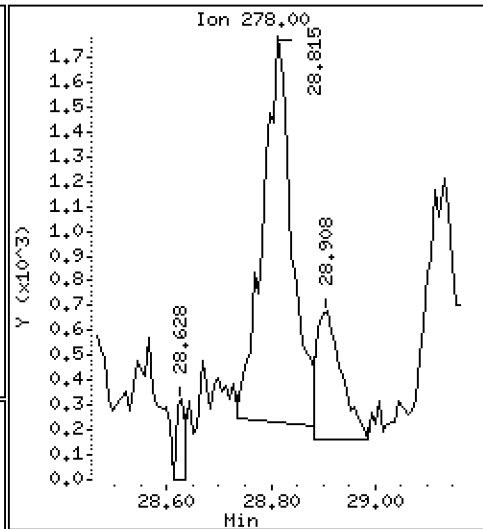
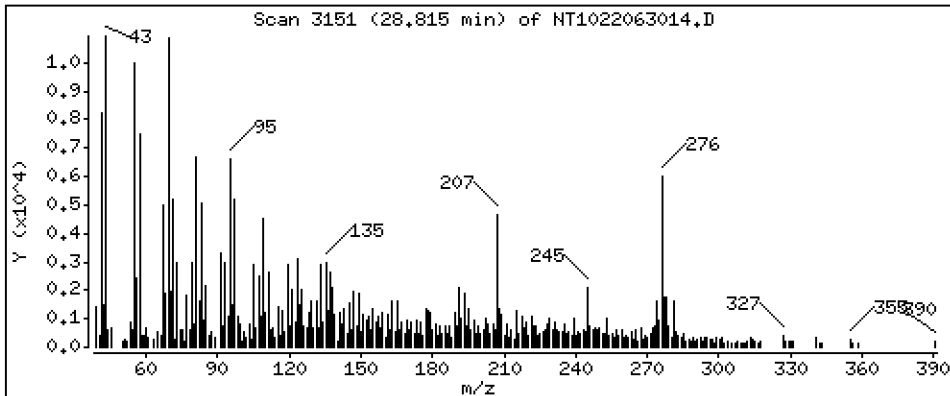
Operator: VTS

Column phase: ZB-5msi

Column diameter: 0.25

79 Dibenzo(a,h)anthracene

Concentration: 0.2098 ug/mL



Date : 30-JUN-2022 21:59

Client ID:

Instrument: nt10.i

Sample Info: 22F0267-13

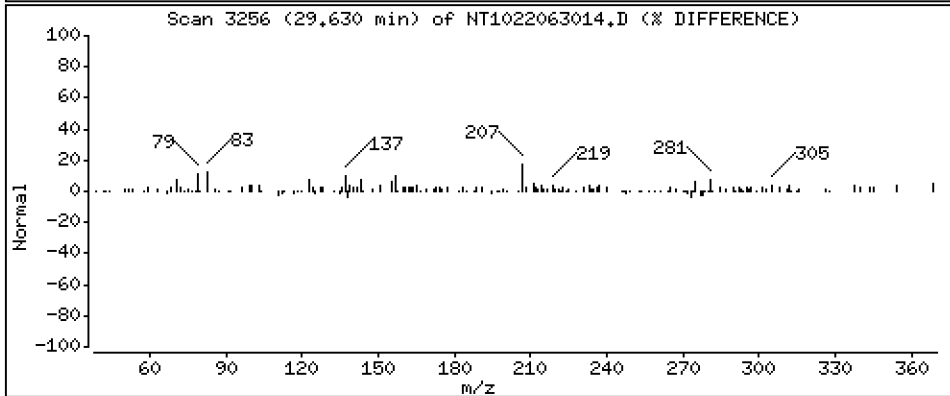
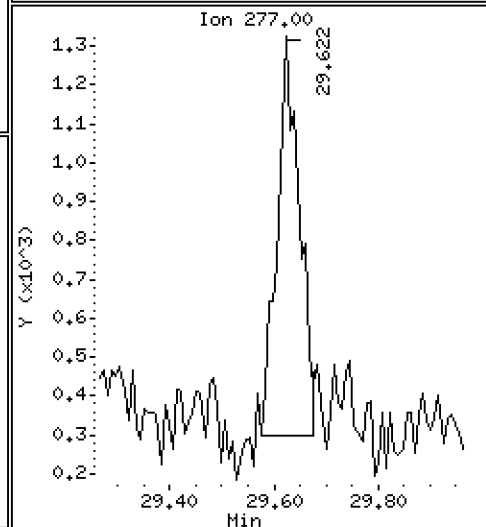
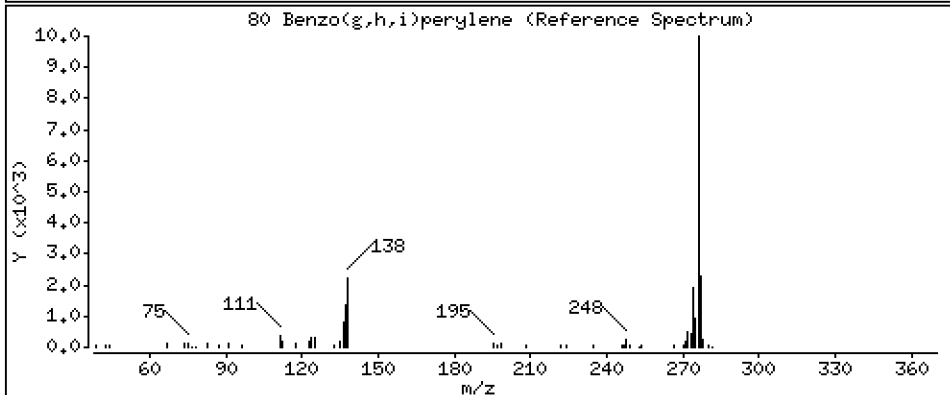
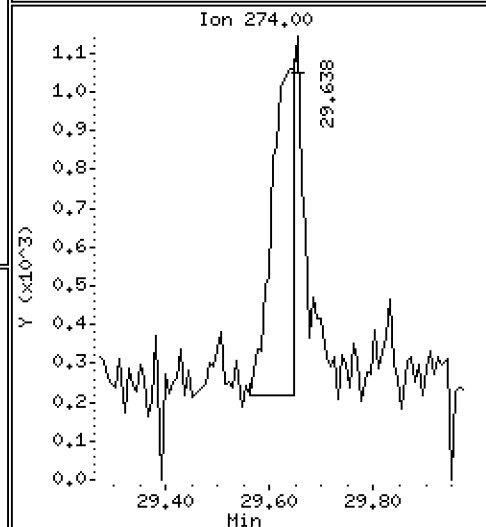
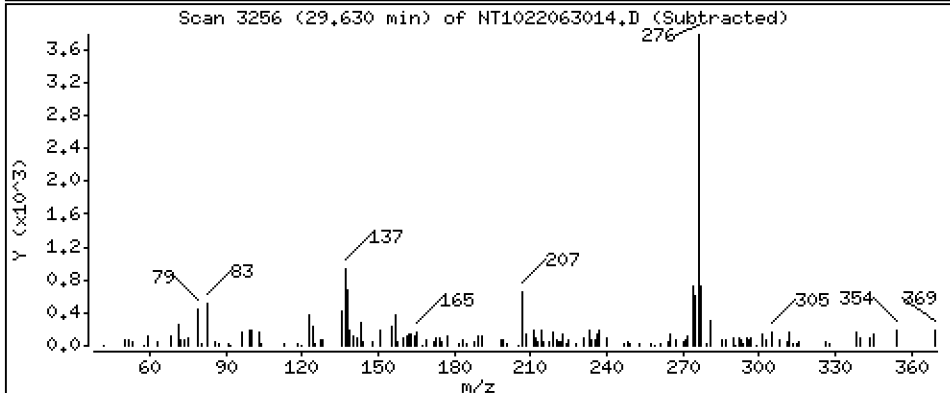
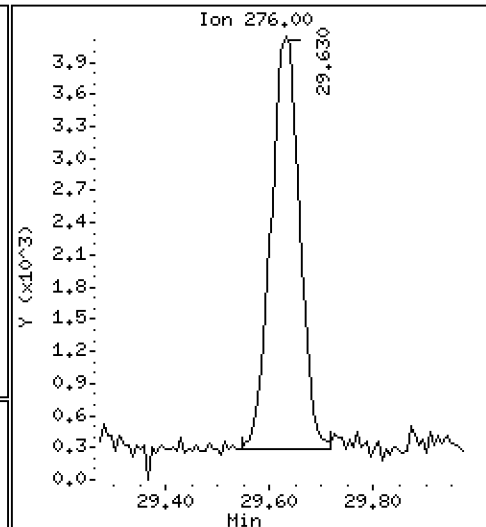
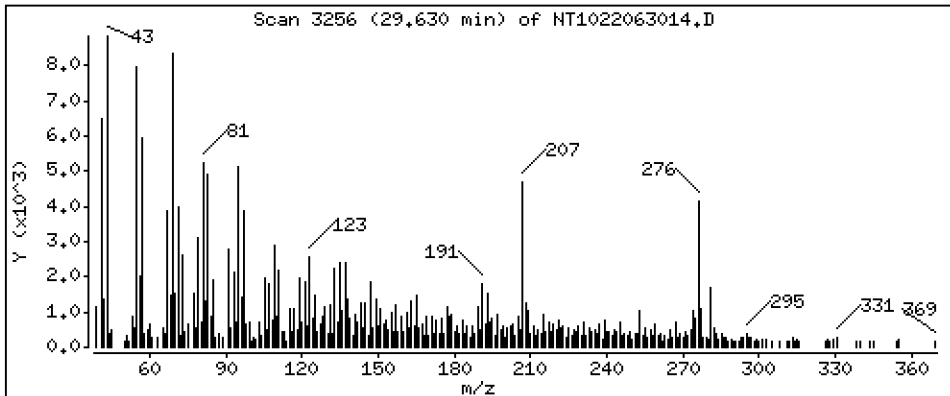
Operator: VTS

Column phase: ZB-5msi

Column diameter: 0,25

80 Benzo(g,h,i)perylene

Concentration: 0,4914 ug/mL



Date : 30-JUN-2022 21:59

Client ID:

Instrument: nt10.i

Sample Info: 22F0267-13

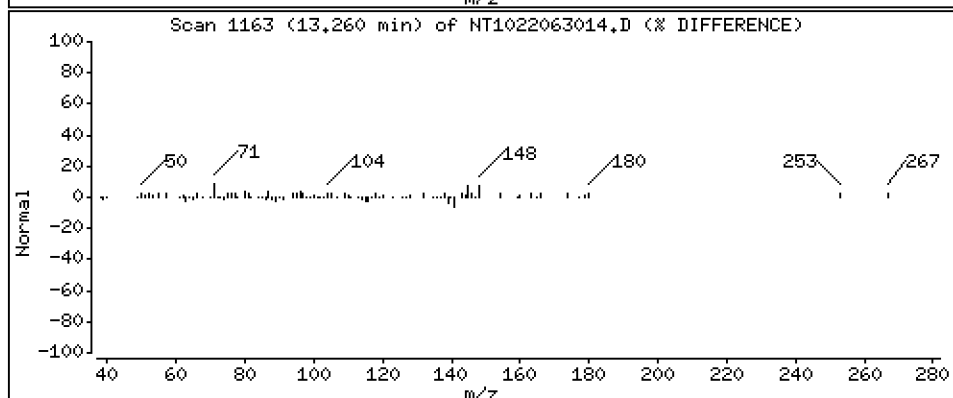
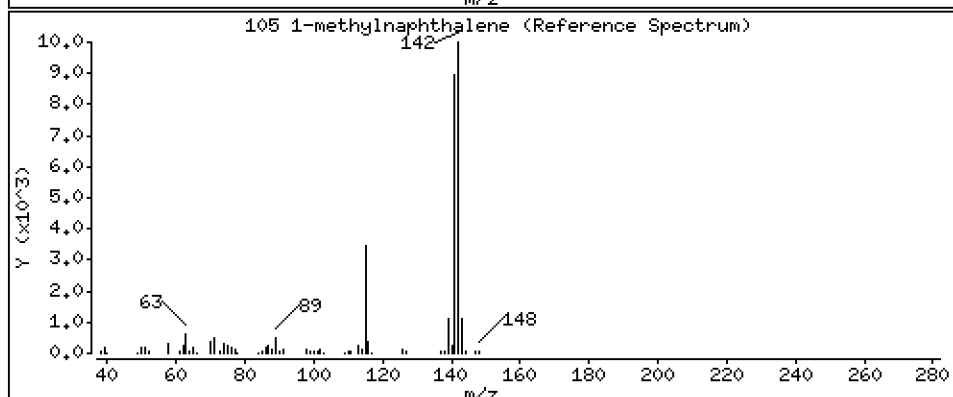
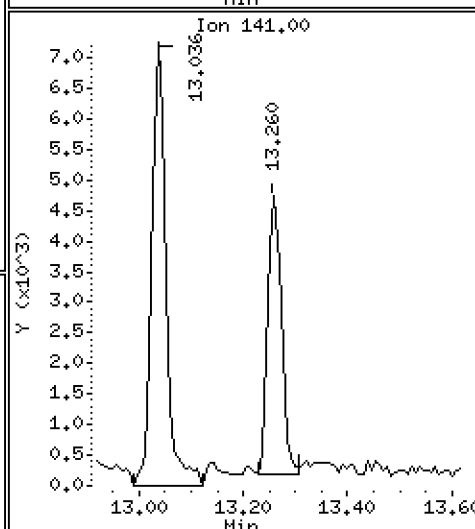
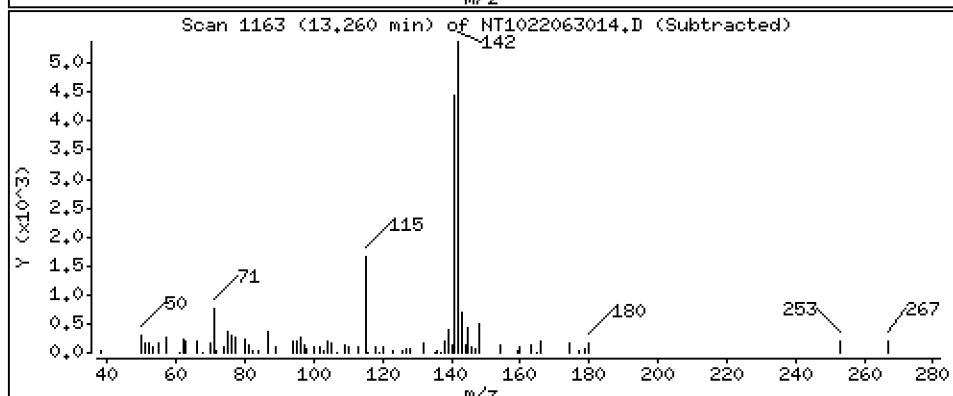
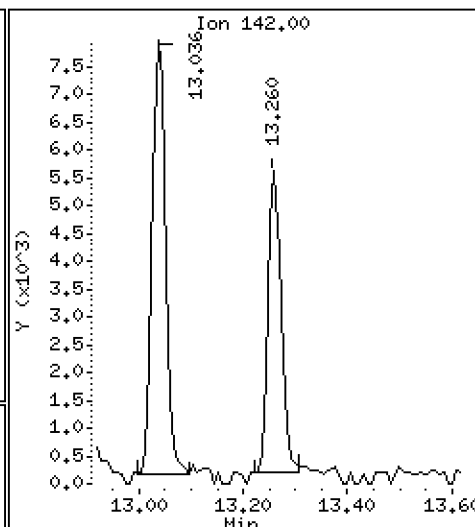
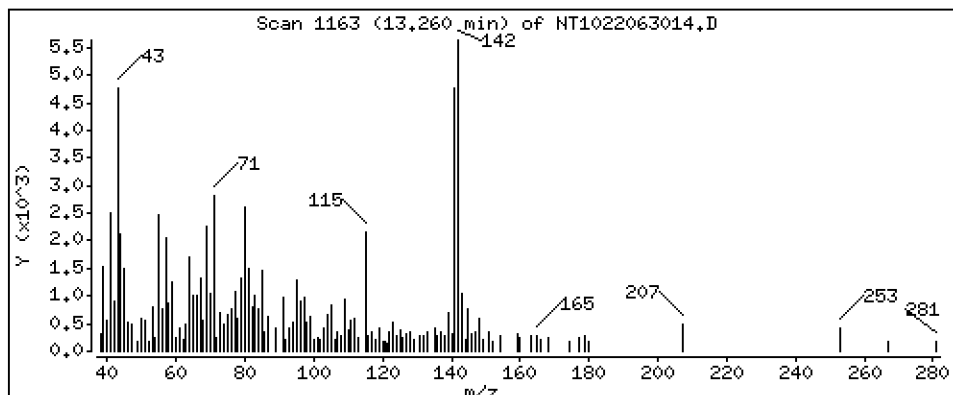
Operator: VTS

Column phase: ZB-5msi

Column diameter: 0,25

105 1-methylnaphthalene

Concentration: 0,03859 ug/mL



Date : 30-JUN-2022 21:59

Client ID:

Instrument: nt10.i

Sample Info: 22F0267-13

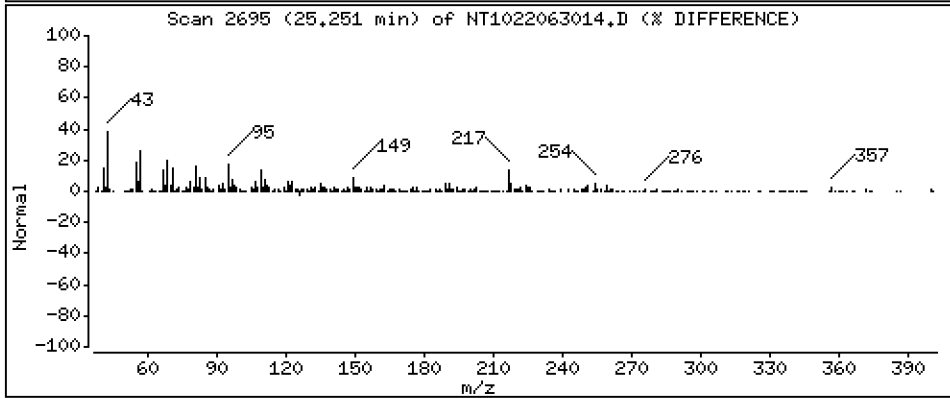
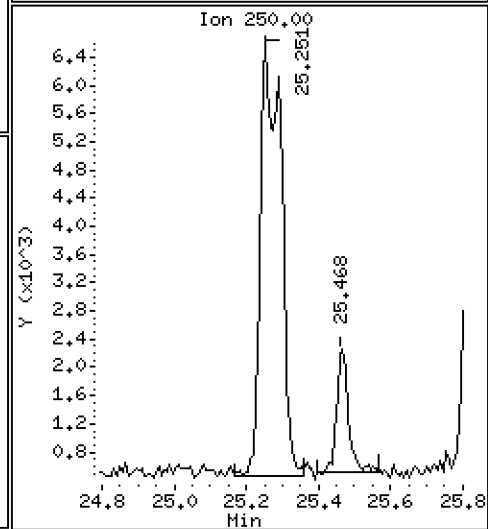
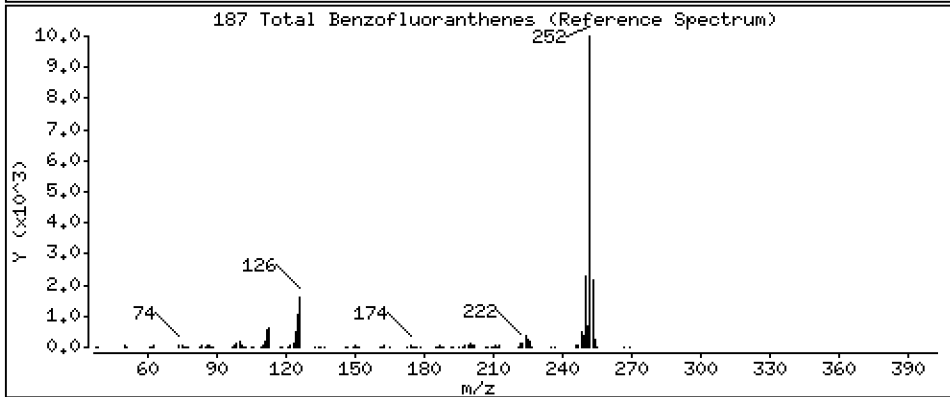
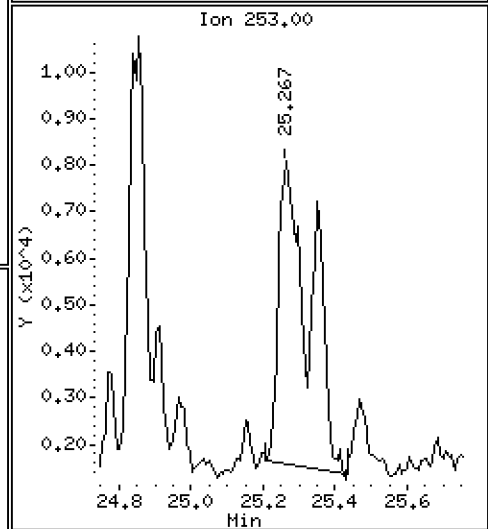
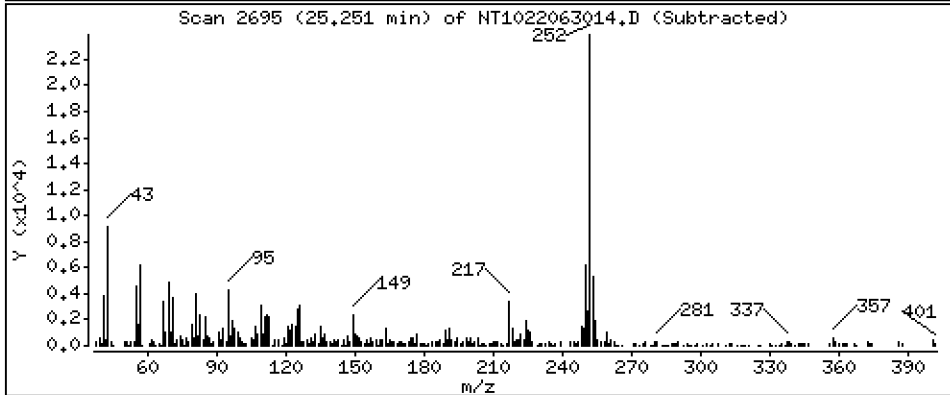
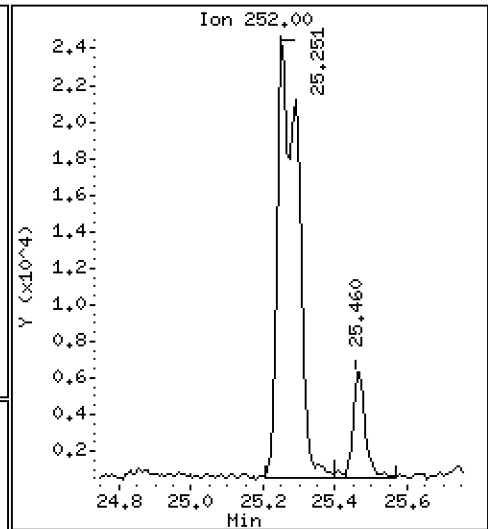
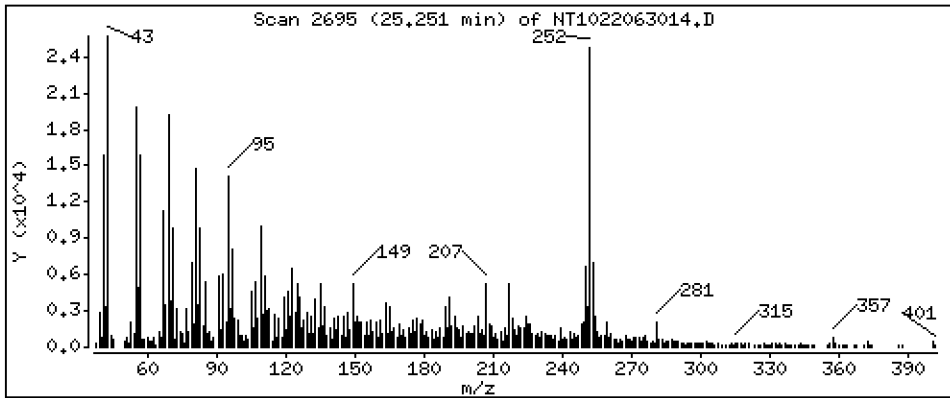
Operator: VTS

Column phase: ZB-5msi

Column diameter: 0,25

187 Total Benzofluoranthenes

Concentration: 2,357 ug/mL



ARI Labs, Inc.

Semivolatile Report SW846 Method 8270D

Data file : \\target\share\chem3\nt10.i\20220630.b\NT1022063014.D
 Lab Smp Id: 22F0267-13
 Inj Date : 30-JUN-2022 21:59
 Operator : VTS
 Smp Info : 22F0267-13
 Misc Info :
 Comment : 1ul Injection
 Method : \\target\share\chem3\nt10.i\20220630.b\ABN.m
 Meth Date : 01-Jul-2022 17:13 yev
 Cal Date : 23-JUN-2022 13:07
 Als bottle: 13
 Dil Factor: 1.00000
 Integrator: HP RTE
 Target Version: 4.14
 Processing Host: ORGDATA102

Inst ID: nt10.i

Quant Type: ISTD
 Cal File: NT1022062308.D

Compound Sublist: ICAL.sub

Compounds	QUANT	SIG	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS	
							ON-COLUMN	FINAL
	MASS						(ug/mL)	(ug/mL)
\$ 1 2-Fluorophenol	112		6.929	6.922	(0.761)	480594	5.03572	5.036
\$ 2 Phenol-d5	99		8.513	8.513	(0.935)	733584	5.18040	5.180
3 Phenol	94		8.529	8.529	(0.936)	5685	0.04607	0.04607
\$ 5 2-Chlorophenol-d4	132		8.768	8.768	(0.963)	654965	6.73524	6.735
4 Bis(2-Chloroethyl)ether	93		Compound Not Detected.					
6 2-Chlorophenol	128		Compound Not Detected.					
7 1,3-Dichlorobenzene	146		Compound Not Detected.					
* 8 1,4-Dichlorobenzene-d4	152		9.109	9.117	(1.000)	261361	4.00000	
9 1,4-Dichlorobenzene	146		9.140	9.148	(1.003)	4215	0.05026	0.05026
\$ 10 1,2-Dichlorobenzene-d4	152		9.474	9.474	(1.040)	270250	4.51002	4.510
12 1,2-Dichlorobenzene	146		Compound Not Detected.					
11 Benzyl alcohol	108		Compound Not Detected.					
14 2,2'-oxybis(1-Chloropropane)	121		Compound Not Detected.					
13 2-Methylphenol	108		Compound Not Detected.					
17 Hexachloroethane	117		Compound Not Detected.					
16 N-Nitroso-di-n-propylamine	70		Compound Not Detected.					
15 4-Methylphenol	108		Compound Not Detected.					
\$ 18 Nitrobenzene-d5	82		10.203	10.211	(0.880)	431201	4.37120	4.371
19 Nitrobenzene	77		Compound Not Detected.					
20 Isophorone	82		Compound Not Detected.					
21 2-Nitrophenol	139		Compound Not Detected.					
22 2,4-Dimethylphenol	107		Compound Not Detected.					
23 Bis(2-Chloroethoxy)methane	93		Compound Not Detected.					
24 Benzoic acid	105		11.131	11.123	(0.960)	5437	0.13839	0.1384
25 2,4-Dichlorophenol	162		Compound Not Detected.					
26 1,2,4-Trichlorobenzene	180		Compound Not Detected.					
* 27 Naphthalene-d8	136		11.596	11.604	(1.000)	927069	4.00000	
28 Naphthalene	128		11.635	11.643	(1.003)	25546	0.10767	0.1077
29 4-Chloroaniline	127		Compound Not Detected.					
30 Hexachlorobutadiene	225		Compound Not Detected.					
31 4-Chloro-3-methylphenol	107		Compound Not Detected.					
32 2-Methylnaphthalene	142		13.035	13.043	(1.124)	13255	0.05621	0.05621(H)
33 Hexachlorocyclopentadiene	237		Compound Not Detected.					

Compounds	QUANT	SIG	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS	
							ON-COLUMN (ug/mL)	FINAL (ug/mL)
34 2,4,6-Trichlorophenol	196							
35 2,4,5-Trichlorophenol	196							
\$ 36 2-Fluorobiphenyl	172		13.817	13.824	(0.908)	1047731	4.78810	4.788
37 2-Chloronaphthalene	162							
38 2-Nitroaniline	65							
39 Dimethylphthalate	163							
40 Acenaphthylene	152		14.908	14.916	(0.980)	74296	0.26284	0.2628
41 2,6-Dinitrotoluene	165							
* 42 Acenaphthene-d10	164		15.217	15.225	(1.000)	483550	4.00000	
43 3-Nitroaniline	138							
44 Acenaphthene	153		15.287	15.295	(1.005)	7429	0.05283	0.05283
45 2,4-Dinitrophenol	184							
46 Dibenzofuran	168		15.612	15.619	(1.026)	12553	0.05617	0.05617
47 4-Nitrophenol	109							
48 2,4-Dinitrotoluene	165							
50 Diethylphthalate	149		16.176	16.191	(1.063)	27454	0.18873	0.1887
49 Fluorene	166		16.331	16.338	(1.073)	23287	0.08720	0.08720
51 4-Chlorophenyl-phenylether	204							
52 4-Nitroaniline	138							
53 4,6-Dinitro-2-methylphenol	198							
54 N-Nitrosodiphenylamine	169							
\$ 55 2,4,6-Tribromophenol	330		16.870	16.878	(1.109)	173830	7.88382	7.884
56 4-Bromophenyl-phenylether	248							
57 Hexachlorobenzene	284							
58 Pentachlorophenol	266		18.022	18.029	(0.986)	828	0.07335	0.07335
* 59 Phenanthrene-d10	188		18.269	18.277	(1.000)	754417	4.00000	
60 Phenanthrene	178		18.323	18.331	(1.003)	167291	0.84405	0.8441
61 Anthracene	178		18.408	18.424	(1.008)	54262	0.25691	0.2569
62 Carbazole	167		18.757	18.757	(1.027)	22994	0.11801	0.1180
63 Di-n-butylphthalate	149		19.546	19.554	(1.070)	10828	0.03714	0.03714
64 Fluoranthene	202		20.730	20.722	(0.888)	352575	3.66419	3.664
65 Pyrene	202		21.147	21.147	(0.906)	312018	3.69489	3.695
\$ 66 Terphenyl-d14	244		21.434	21.434	(0.918)	275171	5.92472	5.925
67 Butylbenzylphthalate	149		22.355	22.363	(0.957)	4988	0.18552	0.1855
68 Benzo(a)anthracene	228		23.323	23.331	(0.999)	72156	1.27945	1.279
* 69 Chrysene-d12	240		23.354	23.354	(1.000)	133090	4.00000	
70 3,3'-Dichlorobenzidine	252							
71 Chrysene	228		23.393	23.400	(1.002)	56867	1.50227	1.502
72 bis(2-Ethylhexyl)phthalate	149							
* 134 Di-n-octylphthalate-d4	153		24.399	24.407	(1.000)	271376	4.00000	
73 Di-n-octylphthalate	149							
74 Benzo(b)fluoranthene	252		25.251	25.251	(0.969)	54320	1.26013	1.260
75 Benzo(k)fluoranthene	252		25.289	25.297	(0.971)	46919	1.13192	1.132 (M)
76 Benzo(a)pyrene	252		25.924	25.924	(0.995)	50477	1.43073	1.431
* 77 Perylene-d12	264		26.048	26.041	(1.000)	95183	4.00000	
78 Indeno(1,2,3-cd)pyrene	276		28.814	28.806	(1.106)	20773	0.55145	0.5515
79 Dibenzo(a,h)anthracene	278		28.814	28.814	(1.106)	6049	0.20976	0.2098
80 Benzo(g,h,i)perylene	276		29.630	29.622	(1.137)	14797	0.49140	0.4914
90 N-Nitrosodimethylamine	74							
91 Aniline	93							
93 Benzidine	184							
103 Pyridine	79							
105 1-methylnaphthalene	142		13.259	13.267	(1.143)	8940	0.03859	0.03859
111 Azobenzene (1,2-DP-Hydrazine)	77							

Compounds	QUANT SIG	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS		
						ON-COLUMN (ug/mL)	FINAL (ug/mL)	
187 Total Benzofluoranthenes	252	25.251	25.251	(0.969)	94727	2.35684	2.357	
120 2,3,4,6-Tetrachlorophenol	232	Compound Not Detected.						

QC Flag Legend

- M - Compound response manually integrated.
- H - Operator selected an alternate compound hit.

ARI Labs, Inc.

INTERNAL STANDARD COMPOUNDS
 AREA AND RT SUMMARY

Instrument ID: nt10.i Calibration Date: 30-JUN-2022
 Lab File ID: NT1022063014.D Calibration Time: 14:09
 Lab Smp Id: 22F0267-13
 Analysis Type: SV Level:
 Quant Type: ISTD Sample Type:
 Operator: VTS
 Method File: \\target\share\chem3\nt10.i\20220630.b\ABN.m
 Misc Info:

Test Mode:
 Use Last Continuing Calibrator.

COMPOUND	STANDARD	AREA LIMIT		SAMPLE	%DIFF
		LOWER	UPPER		
8 1,4-Dichlorobenze	207392	103696	414784	261361	26.02
27 Naphthalene-d8	696938	348469	1393876	927069	33.02
42 Acenaphthene-d10	395441	197721	790882	483550	22.28
59 Phenanthrene-d10	603067	301534	1206134	754417	25.10
69 Chrysene-d12	148146	74073	296292	133090	-10.16
134 Di-n-octylphthala	308009	154005	616018	271376	-11.89
77 Perylene-d12	115550	57775	231100	95183	-17.63

COMPOUND	STANDARD	RT LIMIT		SAMPLE	%DIFF
		LOWER	UPPER		
8 1,4-Dichlorobenze	9.12	8.62	9.62	9.11	-0.09
27 Naphthalene-d8	11.60	11.10	12.10	11.60	-0.07
42 Acenaphthene-d10	15.23	14.73	15.73	15.22	-0.05
59 Phenanthrene-d10	18.28	17.78	18.78	18.27	-0.04
69 Chrysene-d12	23.35	22.85	23.85	23.35	-0.00
134 Di-n-octylphthala	24.41	23.91	24.91	24.40	-0.03
77 Perylene-d12	26.04	25.54	26.54	26.05	0.03

AREA UPPER LIMIT = +100% of internal standard area.
 AREA LOWER LIMIT = - 50% of internal standard area.
 RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
 RT LOWER LIMIT = - 0.50 minutes of internal standard RT.

REVIEW SUMMARY FOR FILE - NT1022063014.D

Lab ID: 22F0267-13
nt10.i, ABN.m, 30-JUN-2022 21:59

RT	CO-ELUTION COMPOUNDS
28.815	Indeno(1,2,3-cd)pyrene and Dibenzo(a,h)anthracene
28.815	Dibenzo(a,h)anthracene and Indeno(1,2,3-cd)pyrene

Quant Method: ICAL

RRT CHECK

RRT	CCV	RRT	DELTA	COMPOUND

NONE				

RRT check based on Ccal File: NT1022063002.D

On Column LOD for nt10.i, ABN.m, ICAL.sub = 0.0000

* Only compounds listed in the work order have been verified by the analyst *

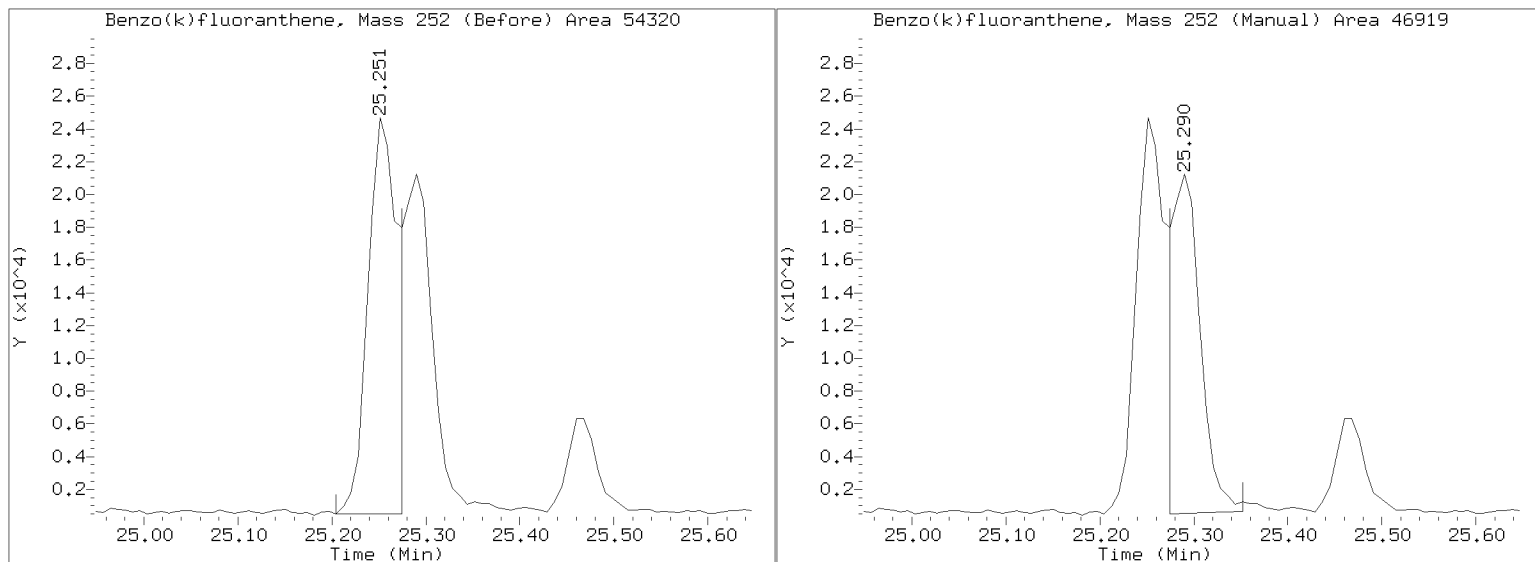
Quant Ion Manual Peak Adjustment Report

Datafile: //target/share/chem3/nt10.i/20220630.b/NT1022063014.D

Injection Date: 30-JUN-2022 21:59

Lab ID: 22F0267-13 Client ID:

Report Date: 07/01/2022 17:14





Form I
ORGANIC ANALYSIS DATA SHEET
EPA 8270E
Semivolatile Organic Compounds (67 ug/kg -1 ug/L)

Laboratory: Analytical Resources, LLC

Client: GeoEngineers

Project: RG Haley Site-Bellingham

Matrix: Water

Laboratory ID: 22F0267-15 C

SDG: 22F0267

Sampled: 06/15/22 12:30

Prepared: 06/20/22 19:17

File ID: NT622062216.D

% Solids:

Preparation: EPA 3520C (Liq Liq)

Analyzed: 06/22/22 19:33

Batch: BKF0450

Sequence: SKF0267

Initial/Final: 500 mL / 0.5 mL

Instrument: NT6

Column: ZB-5MSi

Calibration: FE00035

CAS NO.	COMPOUND	DILUTION	(ug/L)	Q	DL	RL
91-20-3	Naphthalene	1	0.2	U	0.2	1.0
91-57-6	2-Methylnaphthalene	1	0.2	U	0.2	1.0
83-32-9	Acenaphthene	1	0.3	U	0.3	1.0
85-01-8	Phenanthrene	1	2.1		0.2	1.0
206-44-0	Fluoranthene	1	3.1		0.4	1.0
56-55-3	Benzo(a)anthracene	1	1.4		0.4	1.0
218-01-9	Chrysene	1	1.8		0.4	1.0
205-99-2	Benzo(b)fluoranthene	1	0.9	J	0.4	1.0
207-08-9	Benzo(k)fluoranthene	1	1.2		0.4	1.0
50-32-8	Benzo(a)pyrene	1	1.2		0.5	1.0
193-39-5	Indeno(1,2,3-cd)pyrene	1	0.5	J	0.4	1.0
53-70-3	Dibenzo(a,h)anthracene	1	0.4	U	0.4	1.0
90-12-0	1-Methylnaphthalene	1	0.3	U	0.3	1.0

SURROGATES	ADDED:(ug/L)	(ug/L)	% REC	QC LIMITS	Q
2-Fluorophenol	37.500	27.7	74.0	33 - 120	
Phenol-d5	37.500	28.5	76.1	38 - 120	
2-Chlorophenol-d4	37.500	29.4	78.5	41 - 120	
1,2-Dichlorobenzene-d4	25.000	17.9	71.4	20 - 120	
Nitrobenzene-d5	25.000	19.6	78.4	27 - 120	
2-Fluorobiphenyl	25.000	17.6	70.2	33 - 120	
2,4,6-Tribromophenol	37.500	32.1	85.5	52 - 120	
p-Terphenyl-d14	25.000	9.95	39.8	28 - 120	

Data File: \\target\share\chem3\nt6.1\20220622.B\NT622062216.D

Date: 22-JUN-2022 19:33

Client ID:

Sample Info: 22F0267-15

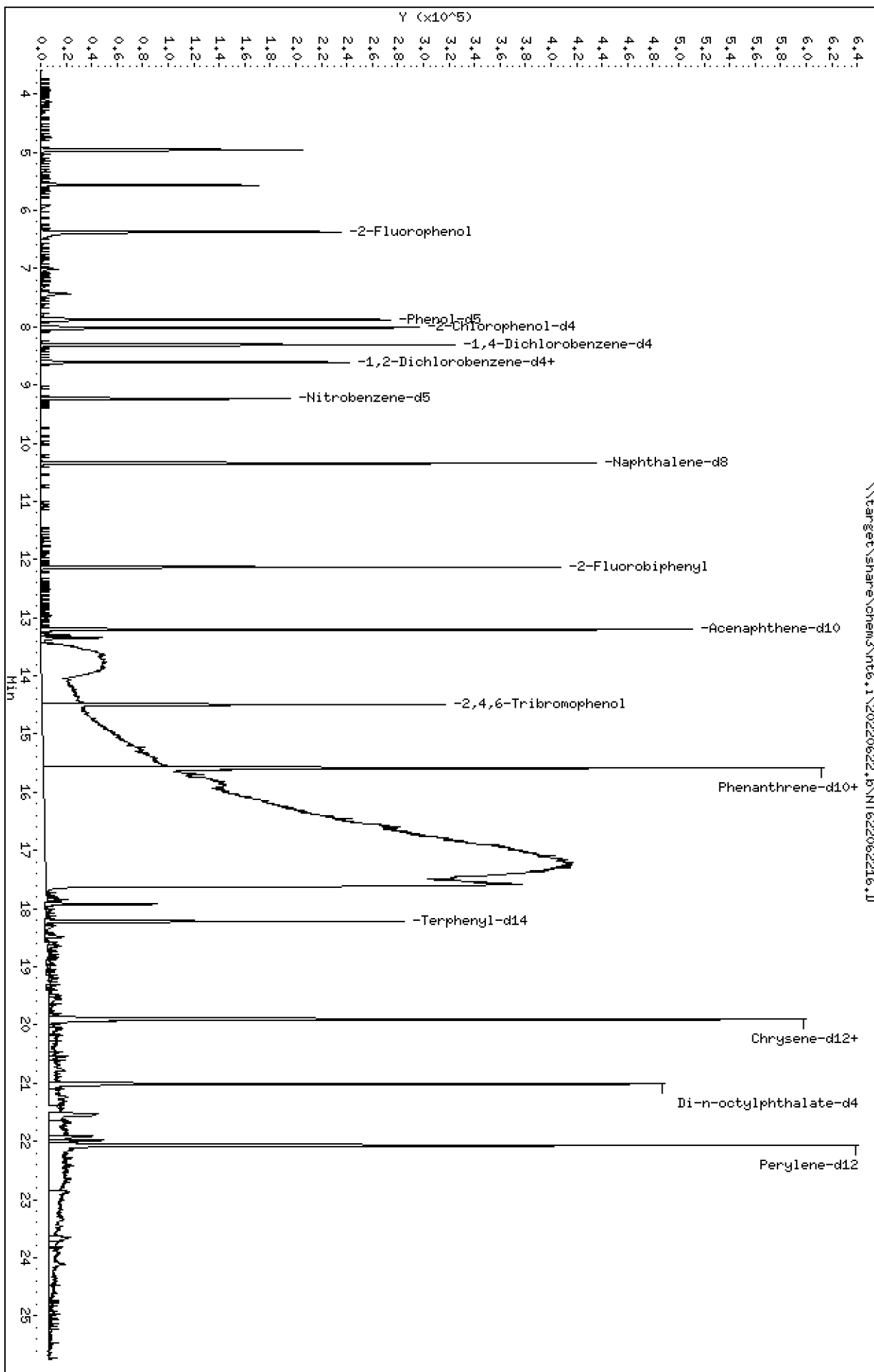
Column phase: ZB-5msi

Instrument: nt6.1

Operator: JZ

Column diameter: 0.32

\\target\share\chem3\nt6.1\20220622.B\NT622062216.D



Date : 22-JUN-2022 19:33

Client ID:

Instrument: nt6.i

Sample Info: 22F0267-15

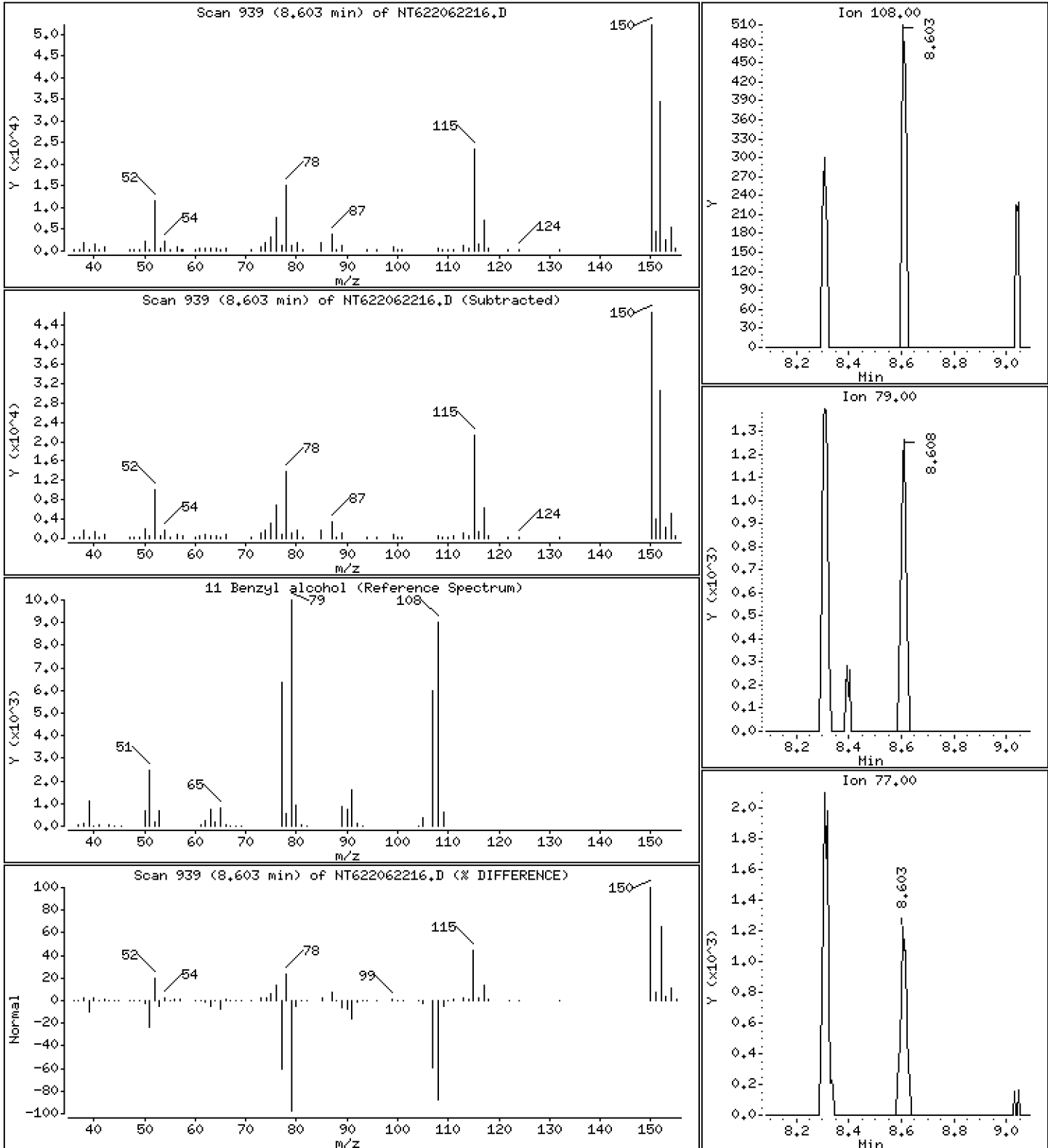
Operator: JZ

Column phase: ZB-5msi

Column diameter: 0.32

11 Benzyl alcohol

Concentration: 0.2233 ug/mL



Date : 22-JUN-2022 19:33

Client ID:

Instrument: nt6.i

Sample Info: 22F0267-15

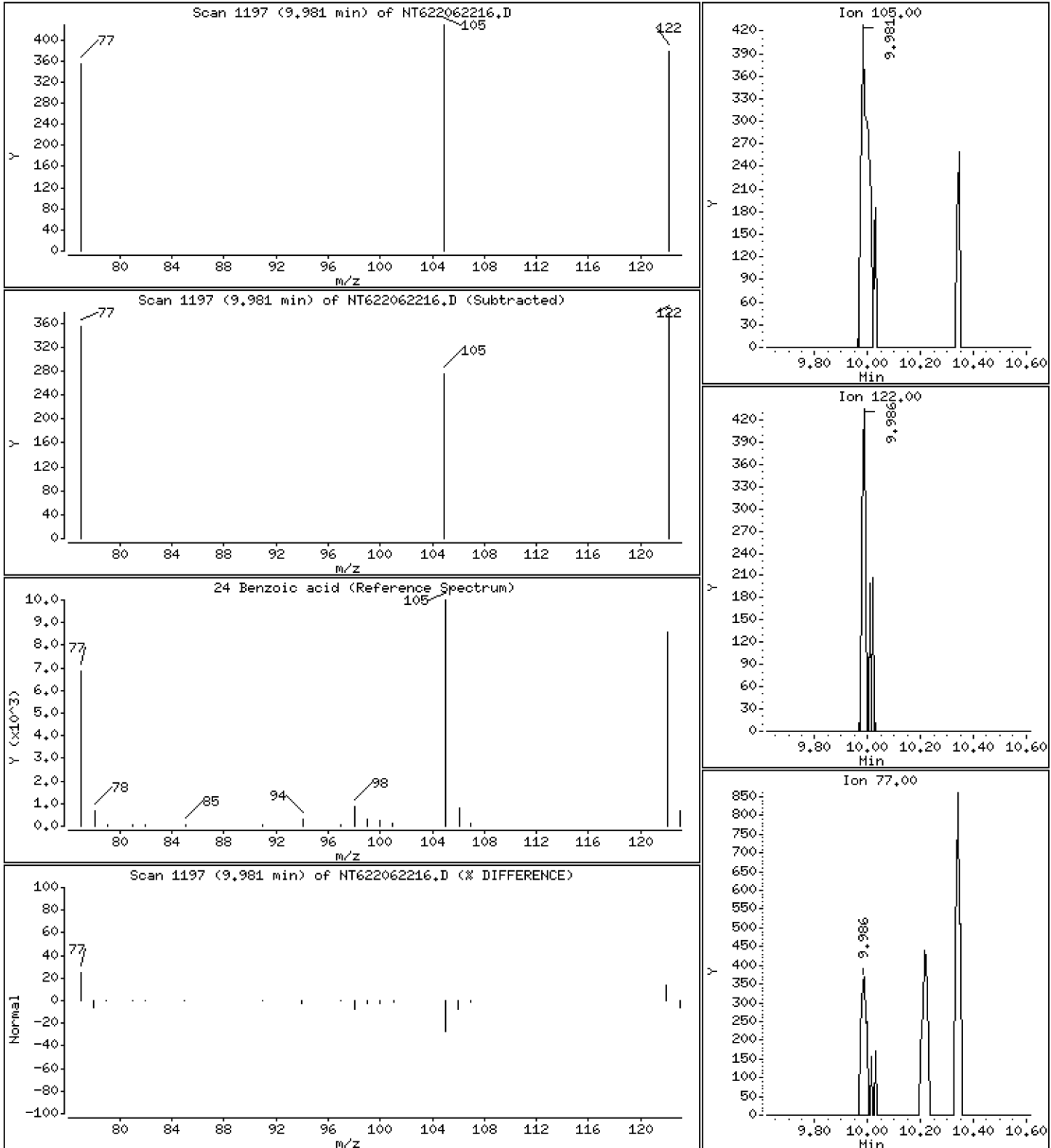
Operator: JZ

Column phase: ZB-5msi

Column diameter: 0.32

24 Benzoic acid

Concentration: 0.2606 ug/mL



Date : 22-JUN-2022 19:33

Client ID:

Instrument: nt6.i

Sample Info: 22F0267-15

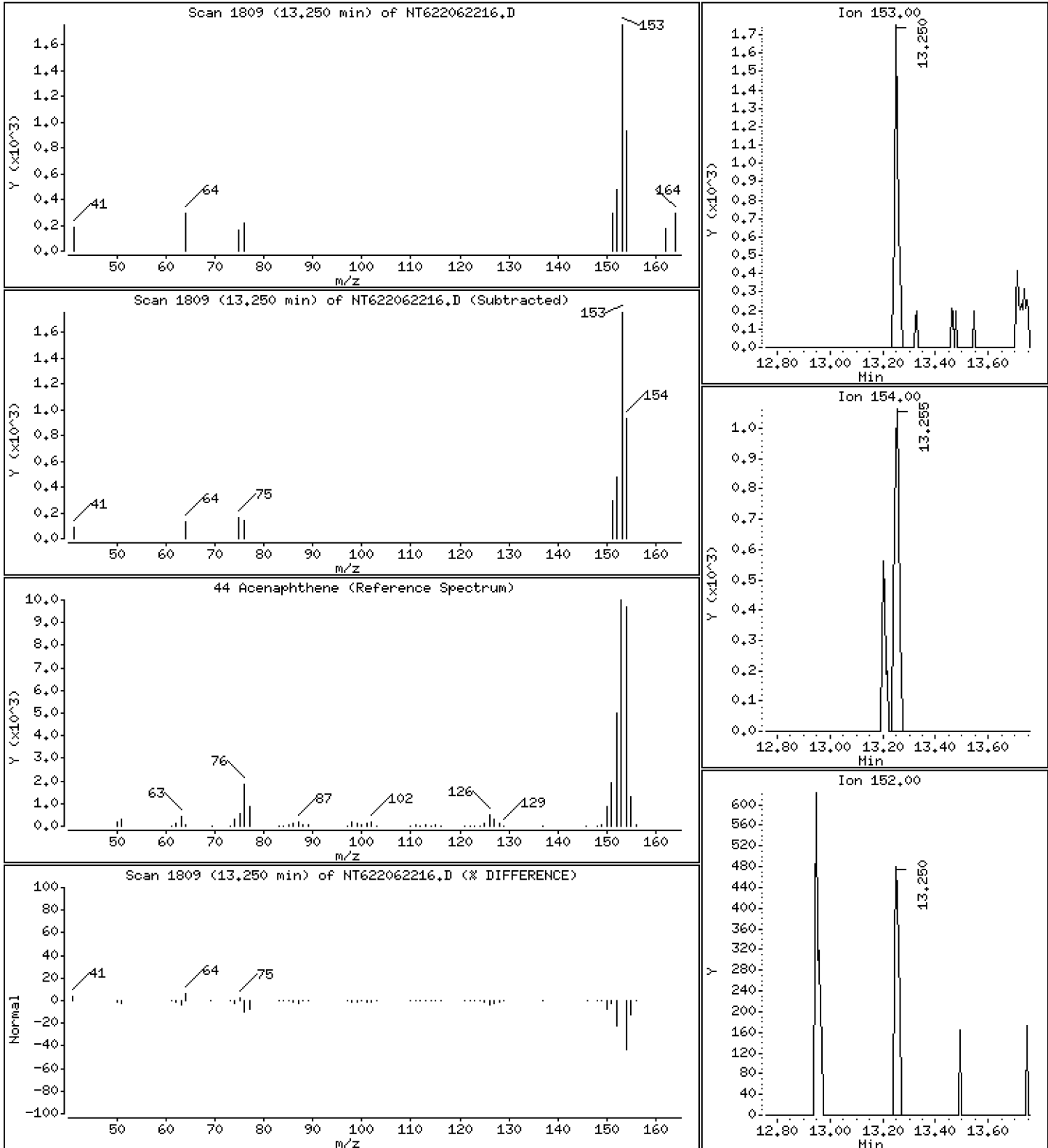
Operator: JZ

Column phase: ZB-5msi

Column diameter: 0.32

44 Acenaphthene

Concentration: 0.2039 ug/mL



Date : 22-JUN-2022 19:33

Client ID:

Instrument: nt6.i

Sample Info: 22F0267-15

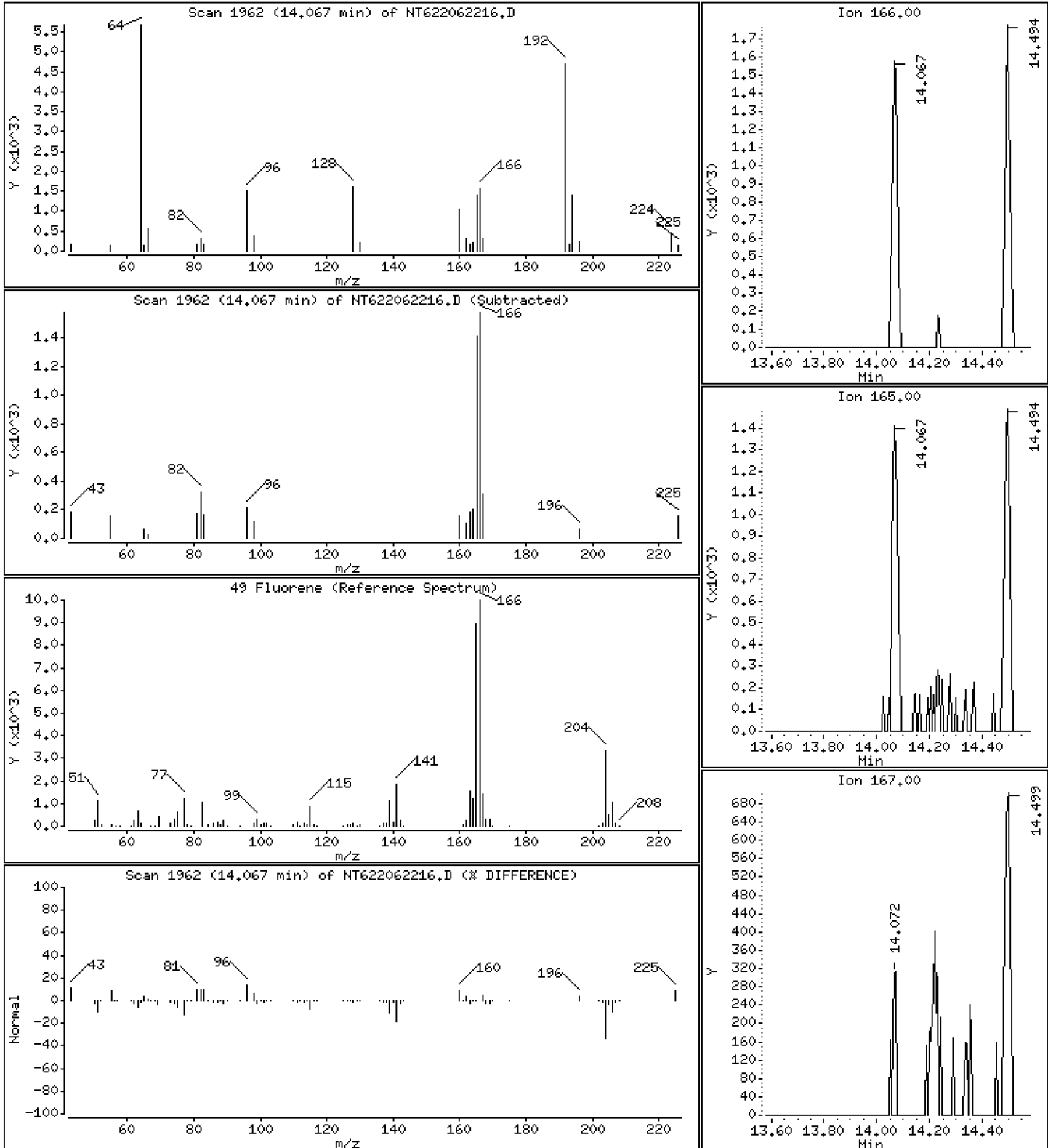
Operator: JZ

Column phase: ZB-5msi

Column diameter: 0.32

49 Fluorene

Concentration: 0.2322 ug/mL



Date : 22-JUN-2022 19:33

Client ID:

Instrument: nt6.i

Sample Info: 22F0267-15

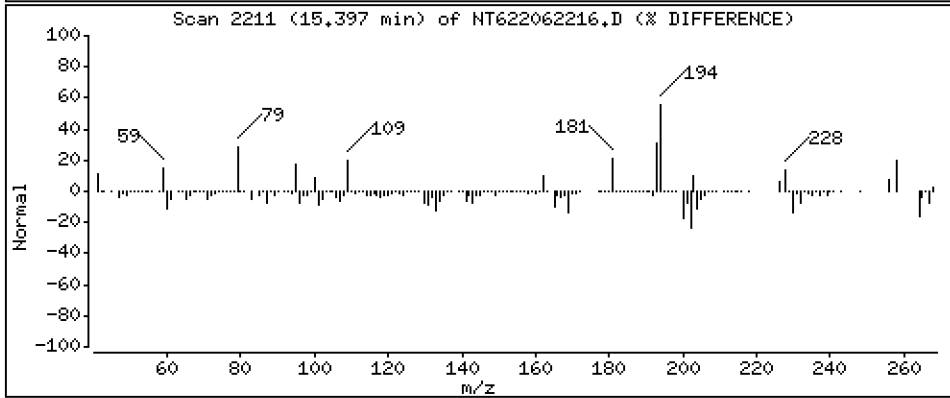
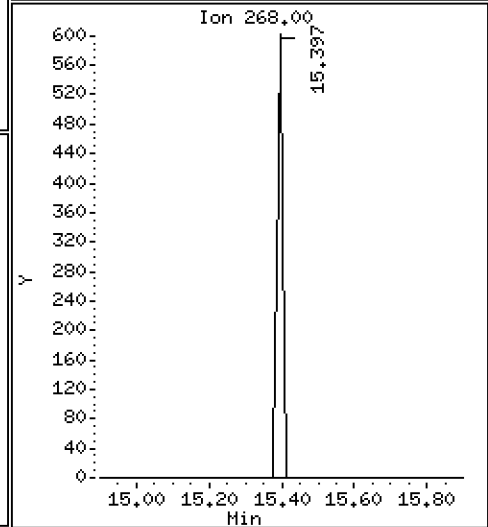
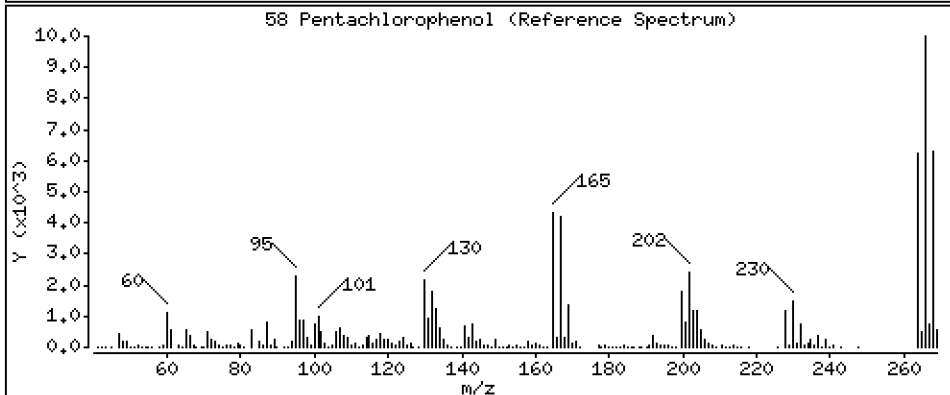
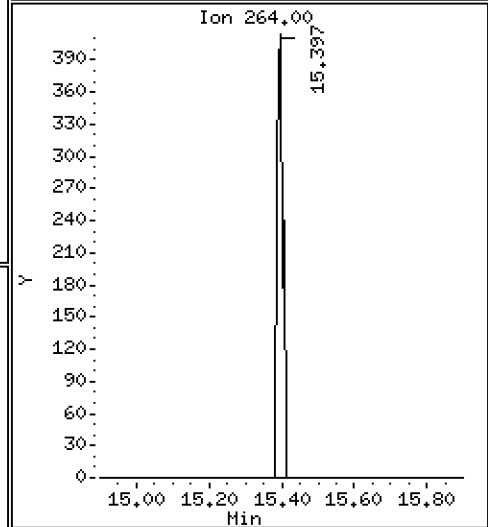
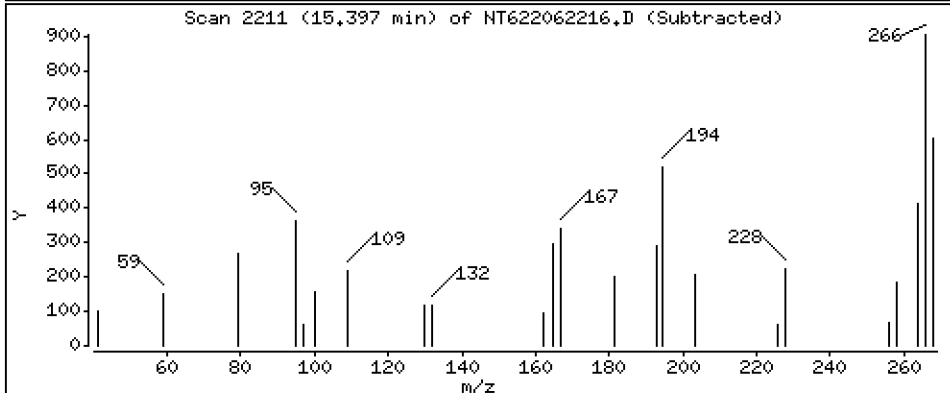
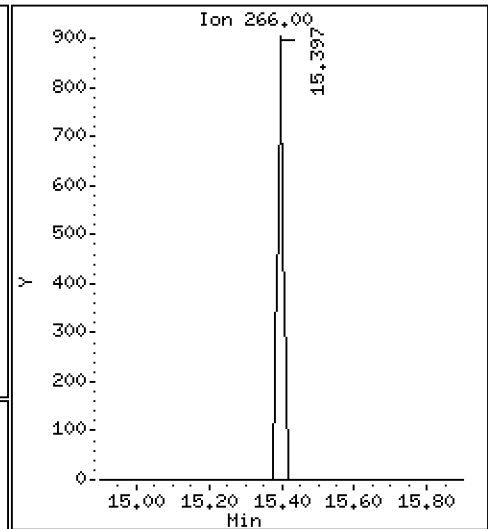
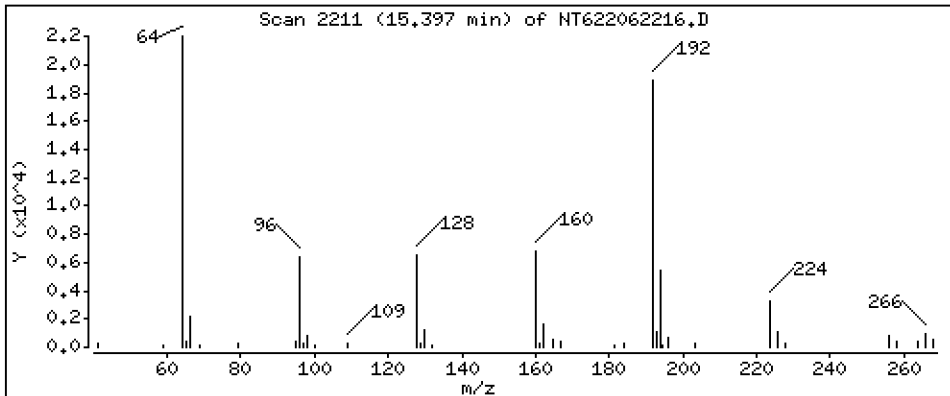
Operator: JZ

Column phase: ZB-5msi

Column diameter: 0.32

58 Pentachlorophenol

Concentration: 0.4644 ug/mL



Date : 22-JUN-2022 19:33

Client ID:

Instrument: nt6.i

Sample Info: 22F0267-15

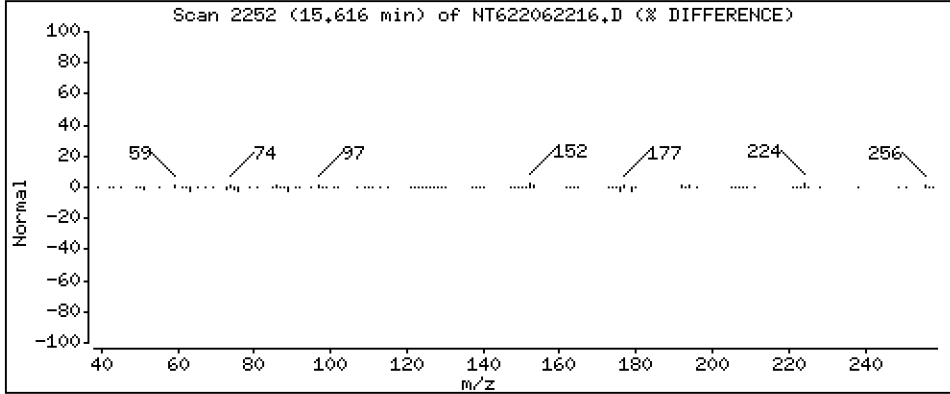
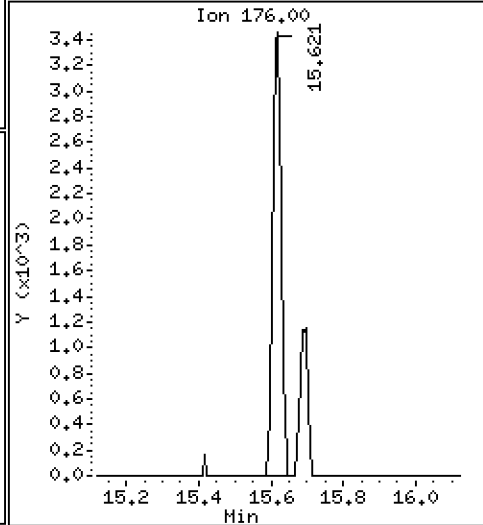
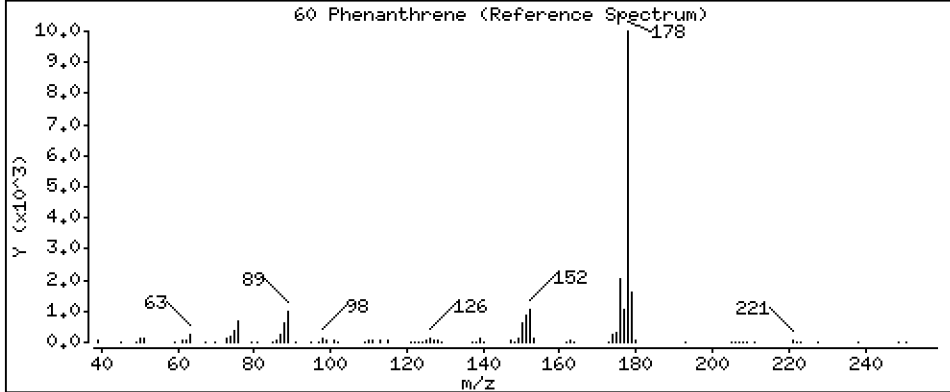
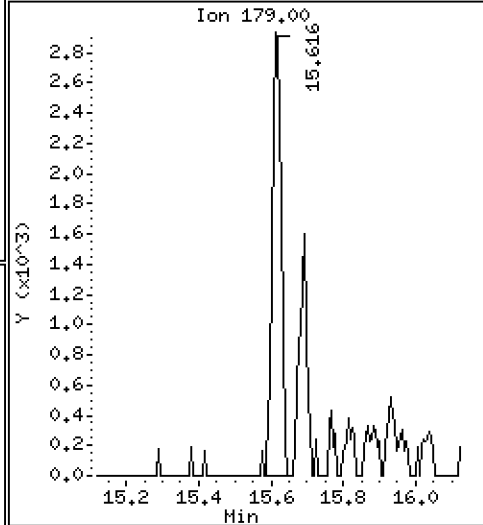
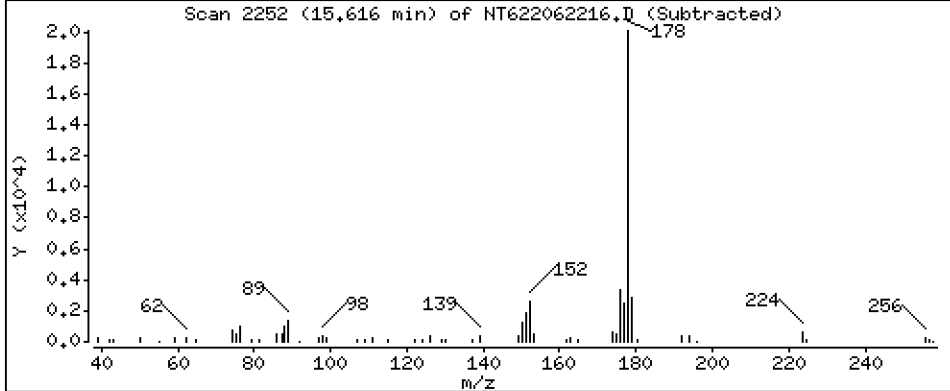
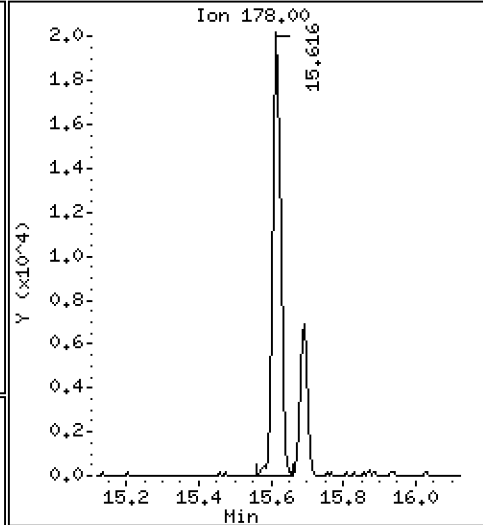
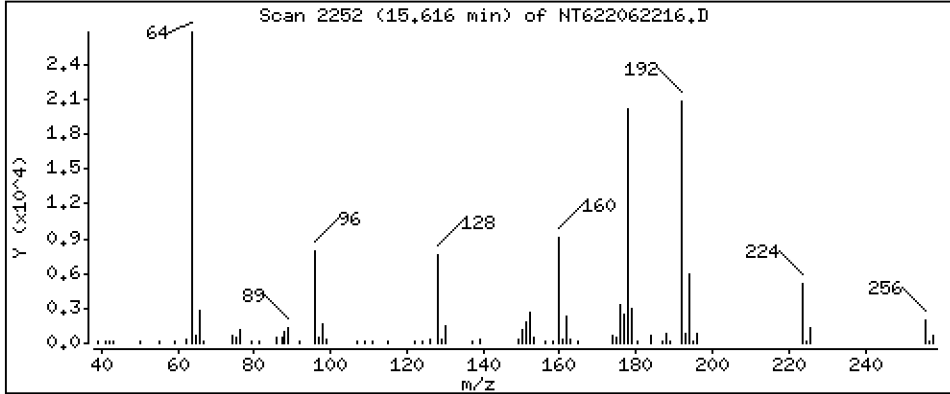
Operator: JZ

Column phase: ZB-5msi

Column diameter: 0.32

60 Phenanthrene

Concentration: 2.067 ug/mL



Date : 22-JUN-2022 19:33

Client ID:

Instrument: nt6.i

Sample Info: 22F0267-15

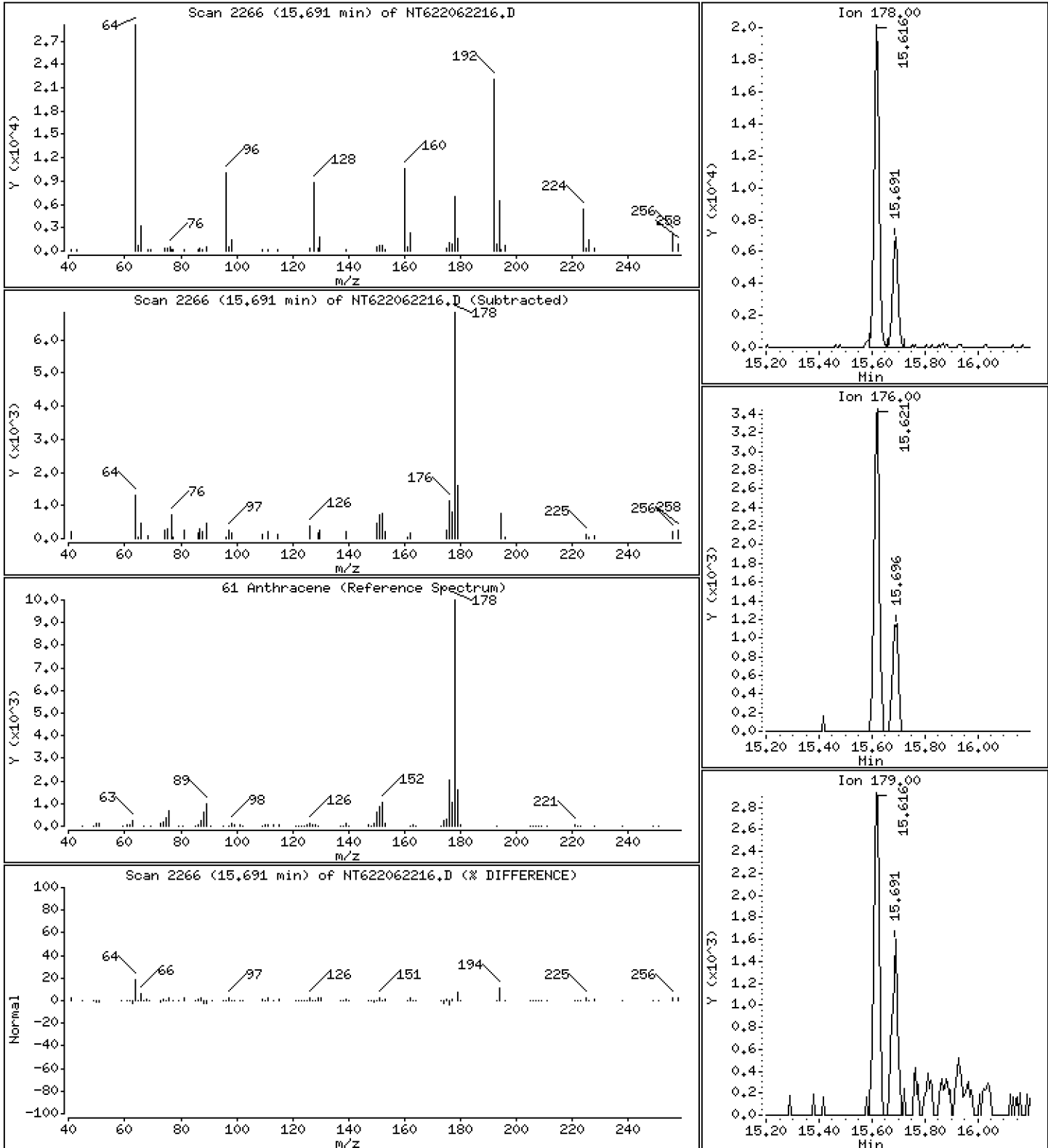
Operator: JZ

Column phase: ZB-5msi

Column diameter: 0.32

61 Anthracene

Concentration: 0.7663 ug/mL



Date : 22-JUN-2022 19:33

Client ID:

Instrument: nt6.i

Sample Info: 22F0267-15

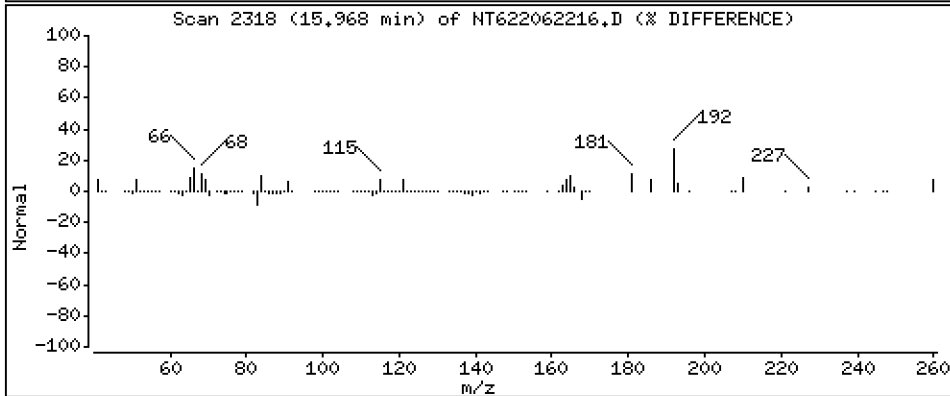
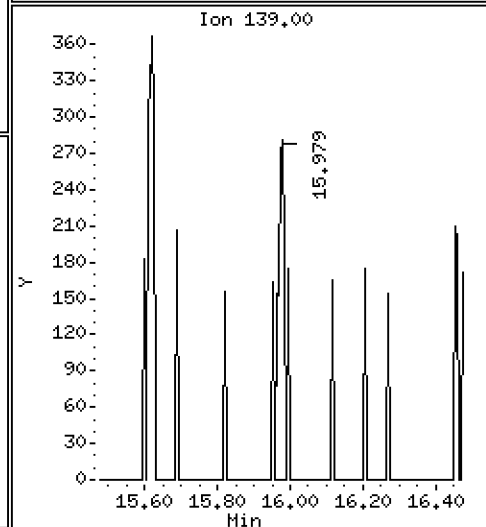
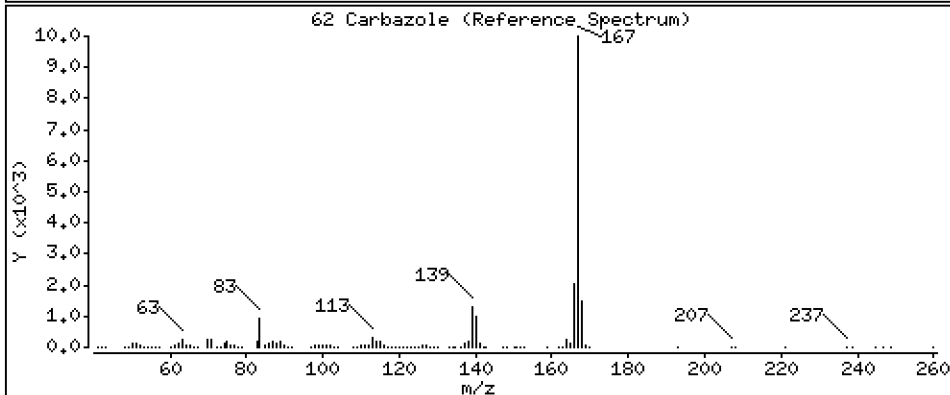
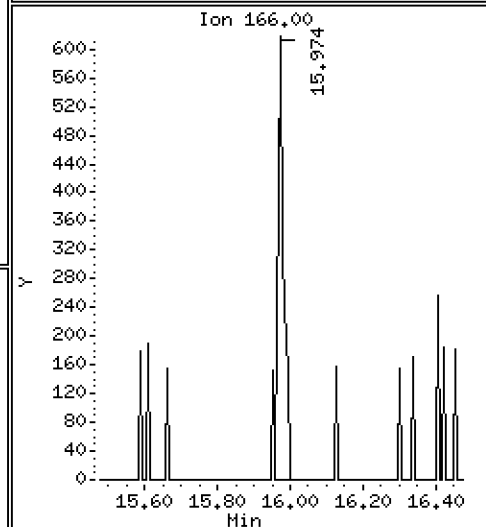
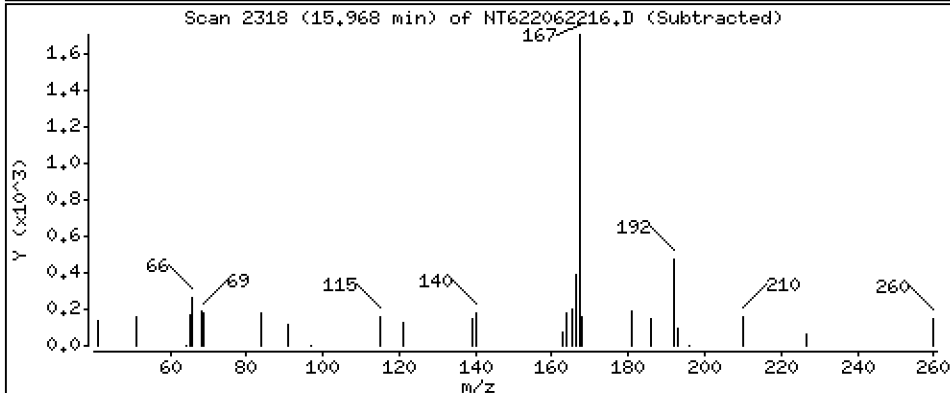
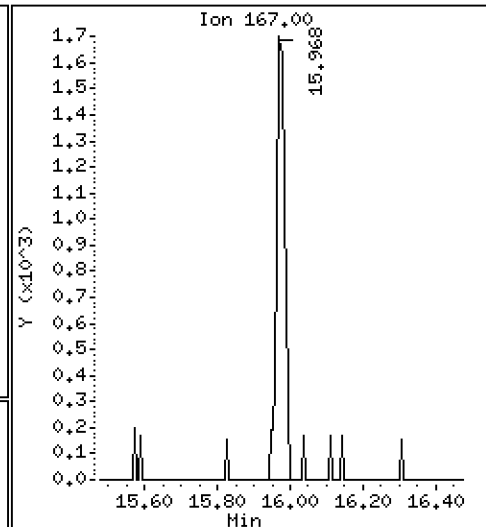
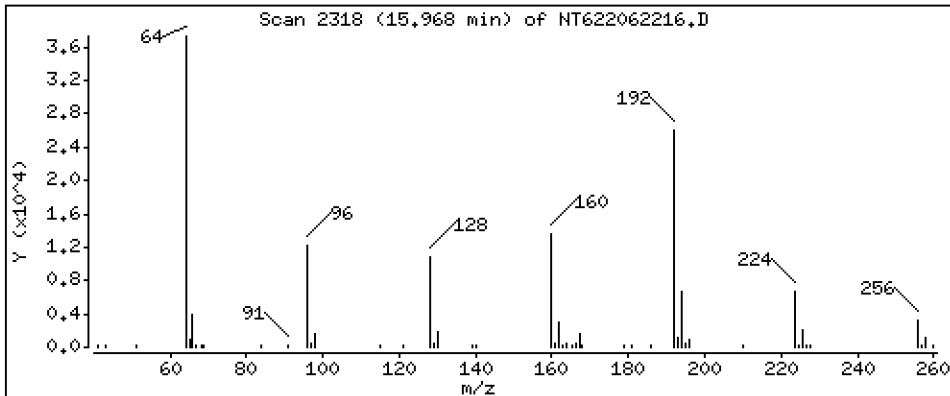
Operator: JZ

Column phase: ZB-5msi

Column diameter: 0.32

62 Carbazole

Concentration: 0.2506 ug/mL



Date : 22-JUN-2022 19:33

Client ID:

Instrument: nt6.i

Sample Info: 22F0267-15

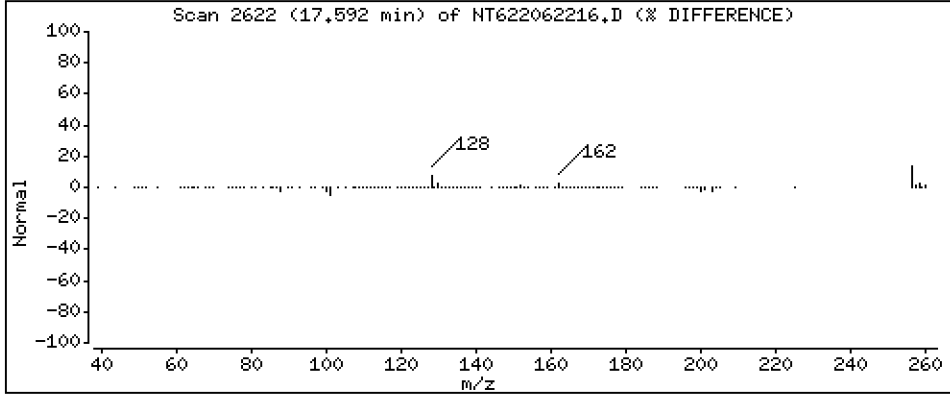
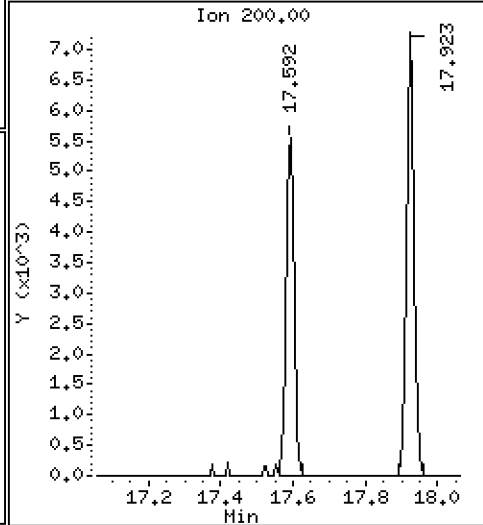
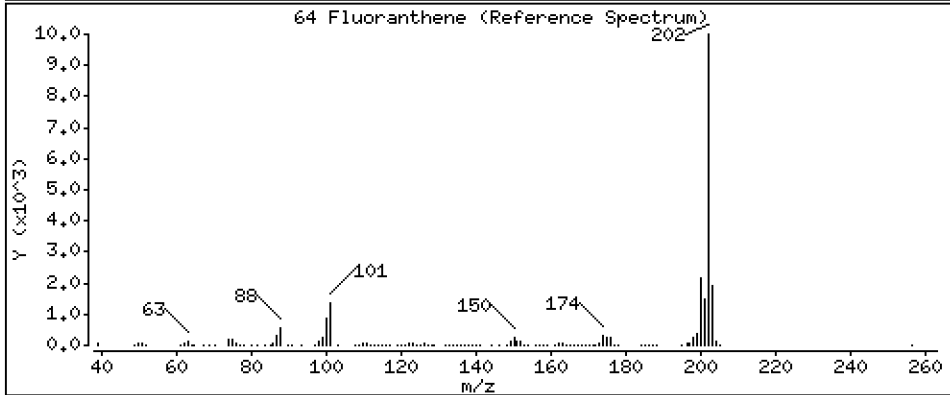
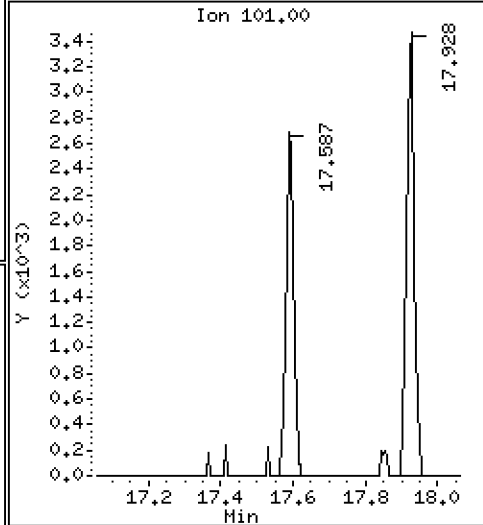
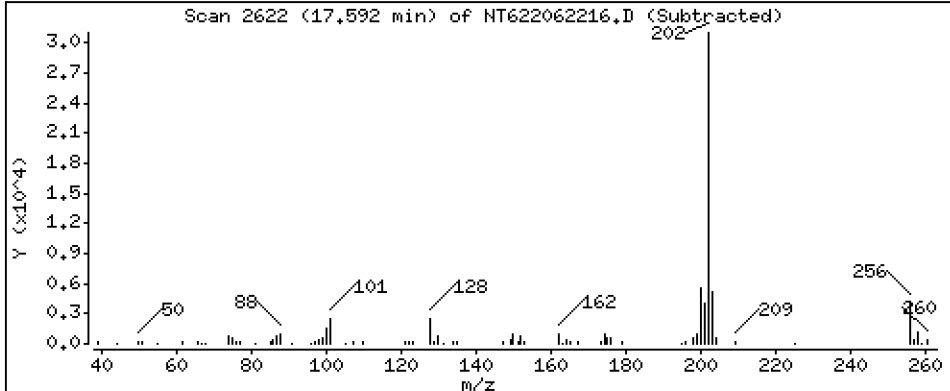
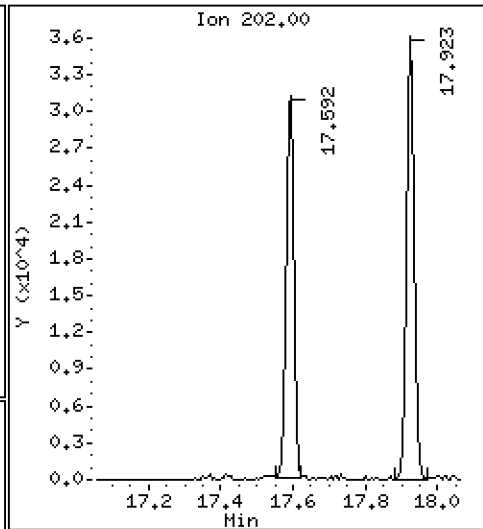
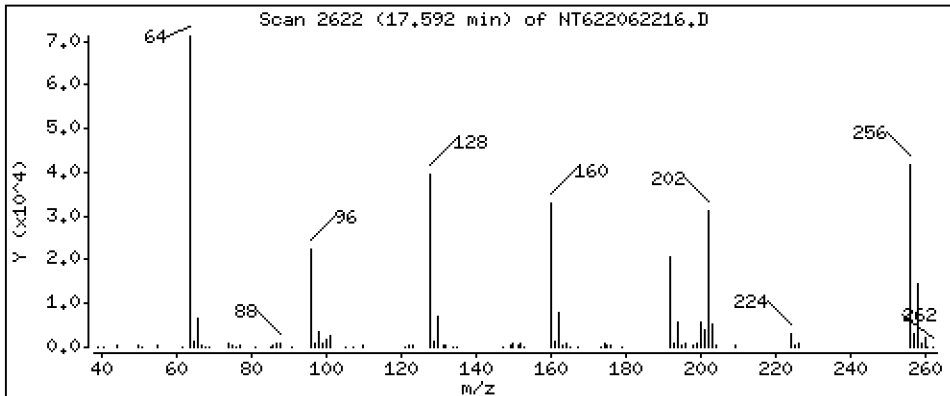
Operator: JZ

Column phase: ZB-5msi

Column diameter: 0.32

64 Fluoranthene

Concentration: 3,150 ug/mL



Date : 22-JUN-2022 19:33

Client ID:

Instrument: nt6.i

Sample Info: 22F0267-15

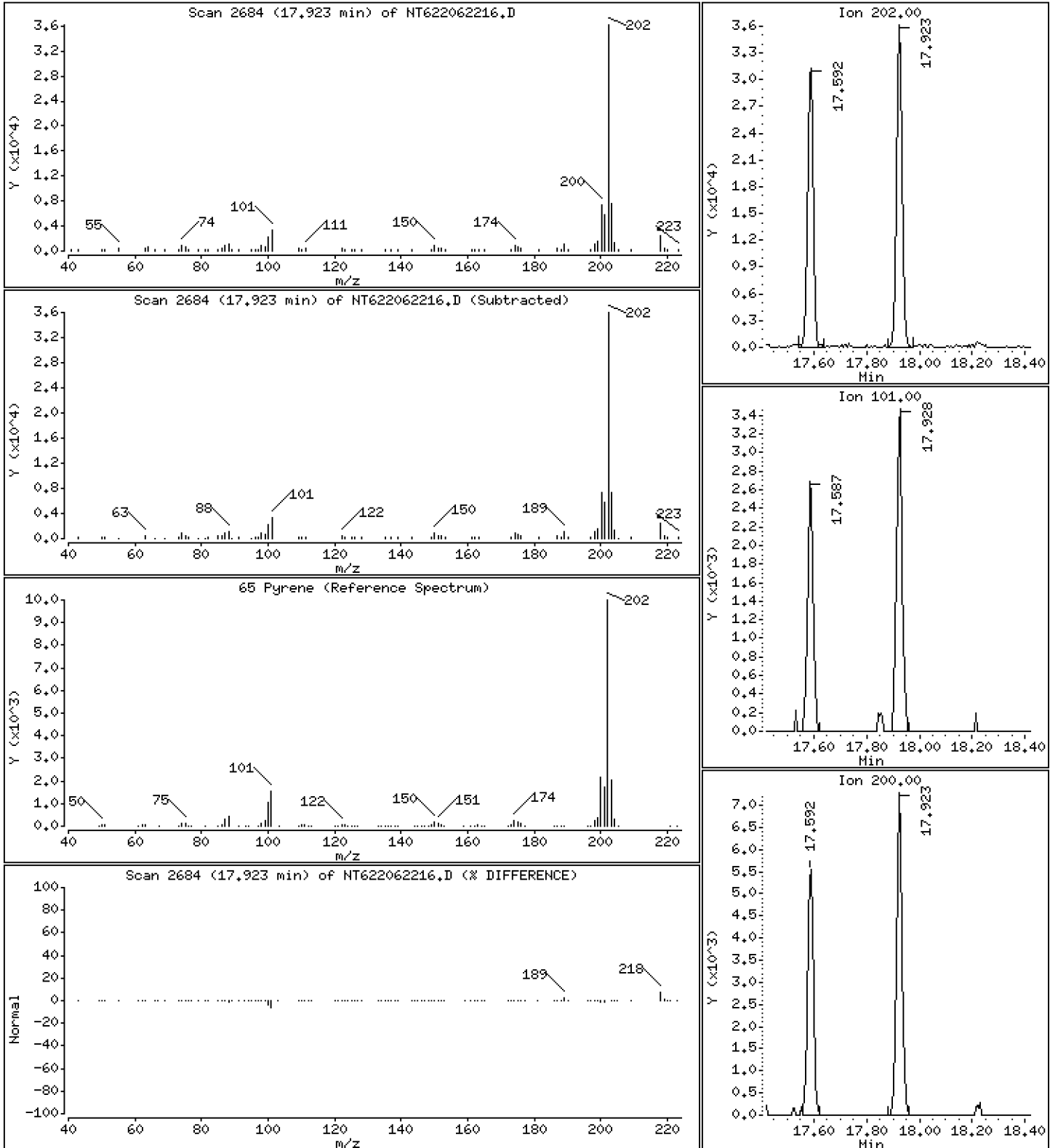
Operator: JZ

Column phase: ZB-5msi

Column diameter: 0.32

65 Pyrene

Concentration: 2,629 ug/mL



Date : 22-JUN-2022 19:33

Client ID:

Instrument: nt6.i

Sample Info: 22F0267-15

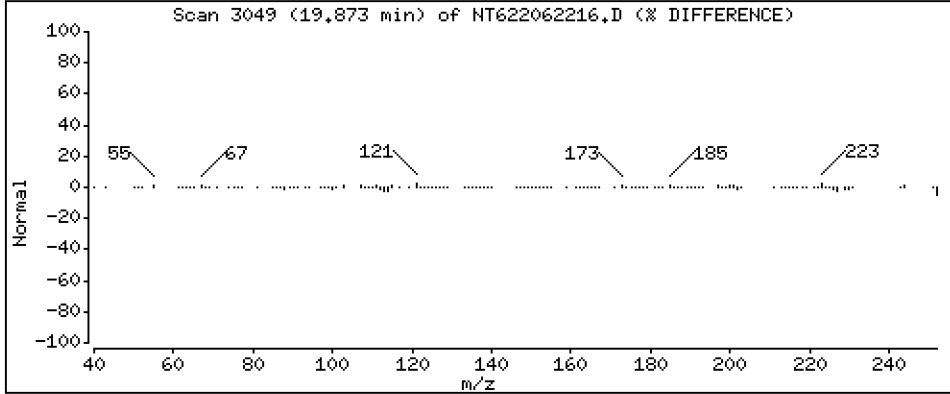
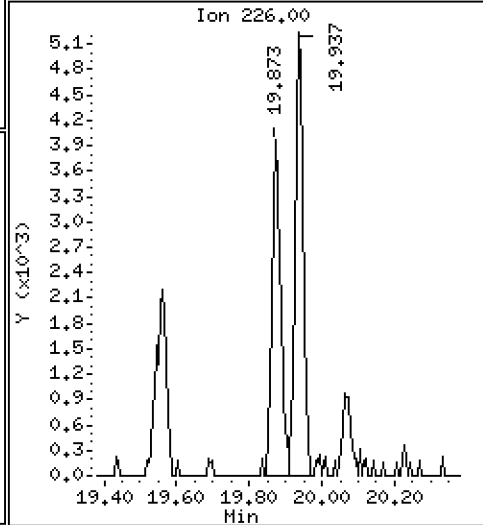
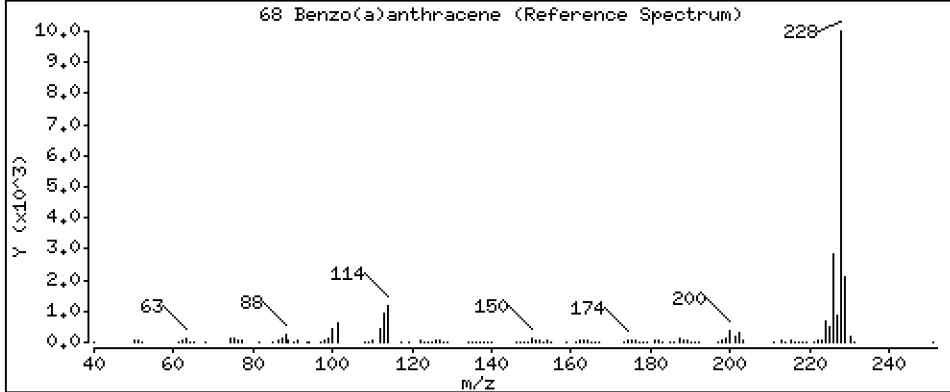
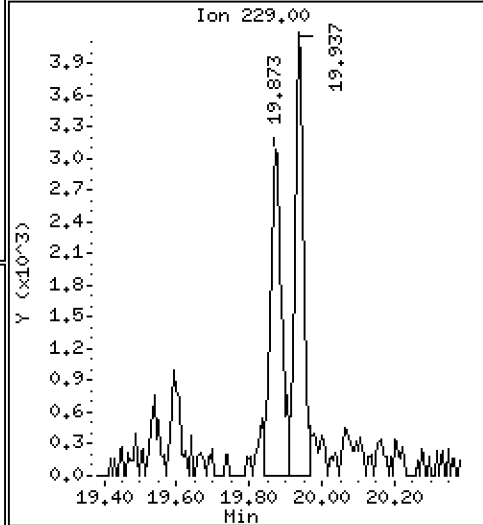
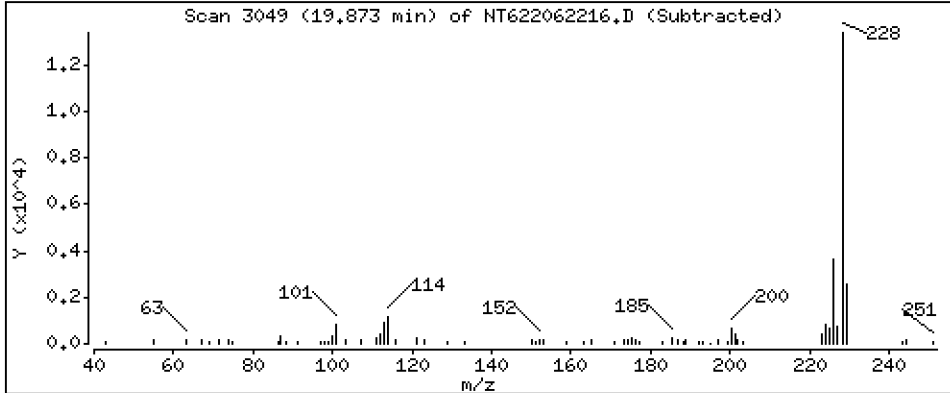
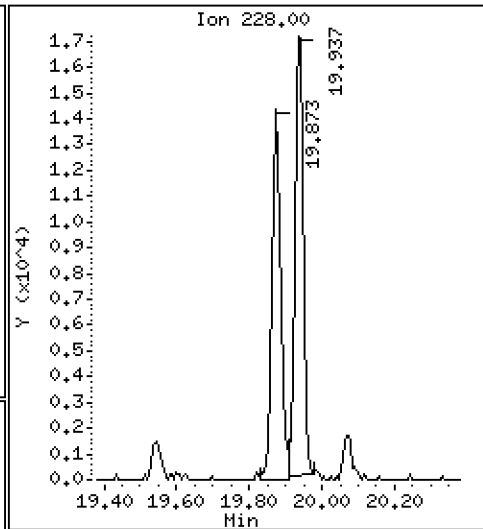
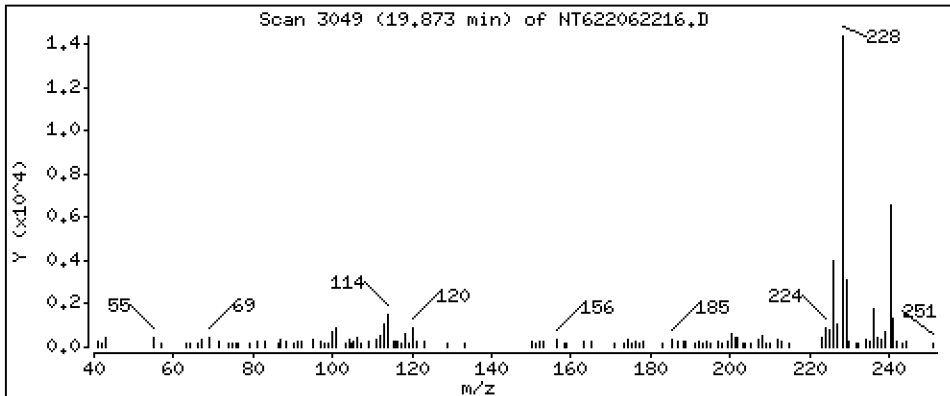
Operator: JZ

Column phase: ZB-5msi

Column diameter: 0.32

68 Benzo(a)anthracene

Concentration: 1.365 ug/mL



Date : 22-JUN-2022 19:33

Client ID:

Instrument: nt6.i

Sample Info: 22F0267-15

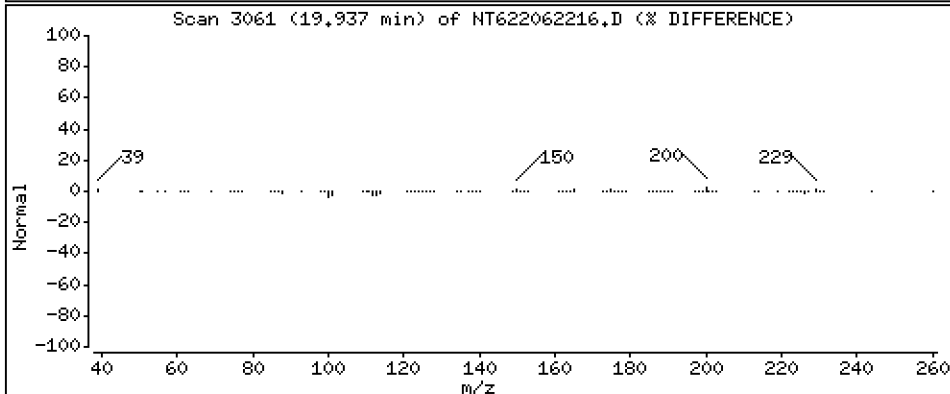
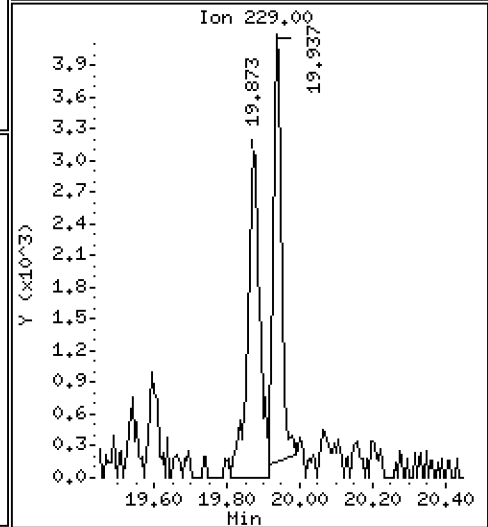
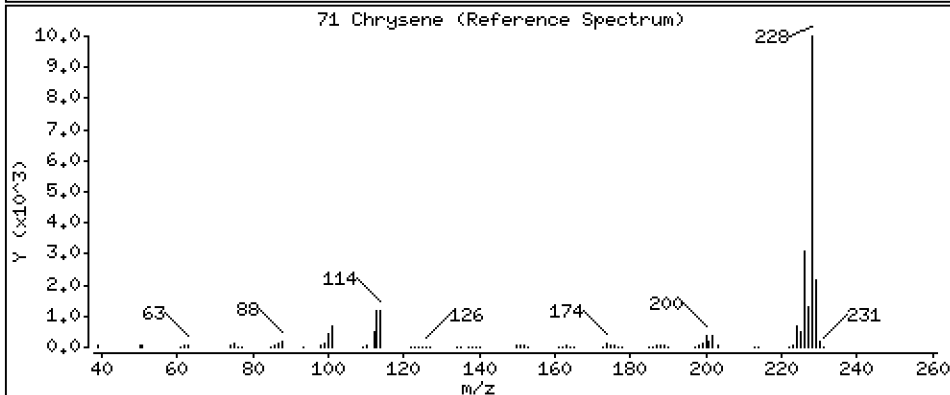
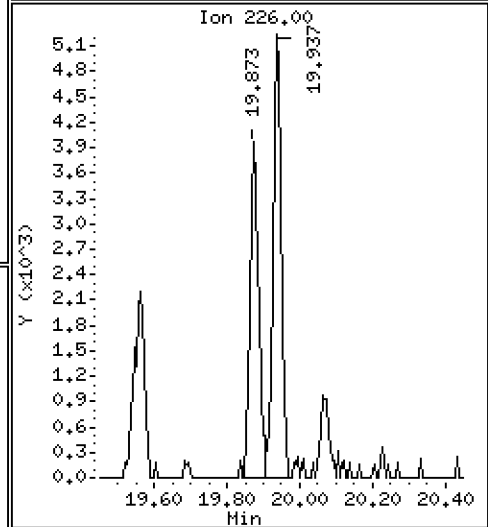
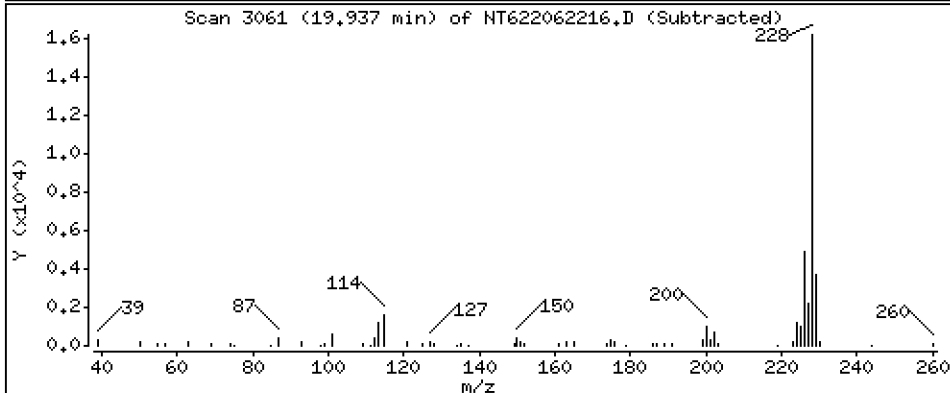
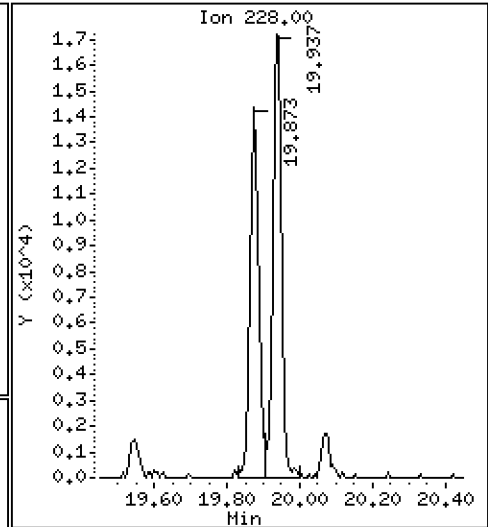
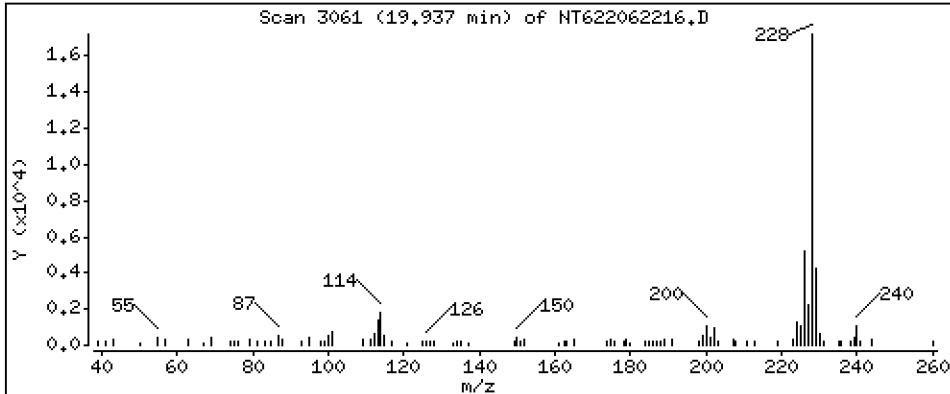
Operator: JZ

Column phase: ZB-5msi

Column diameter: 0.32

71 Chrysene

Concentration: 1.761 ug/mL



Date : 22-JUN-2022 19:33

Client ID:

Instrument: nt6.i

Sample Info: 22F0267-15

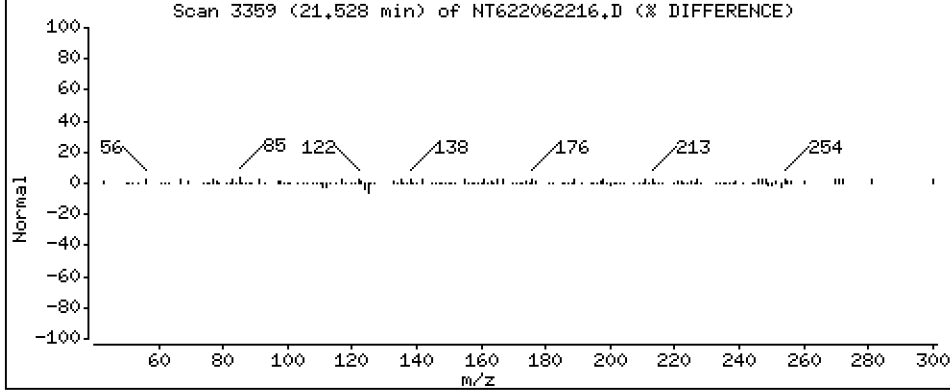
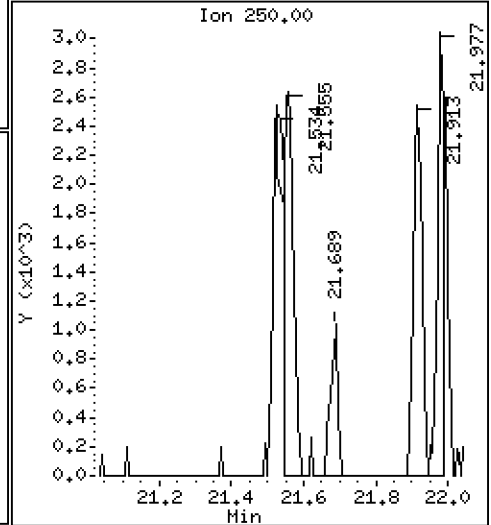
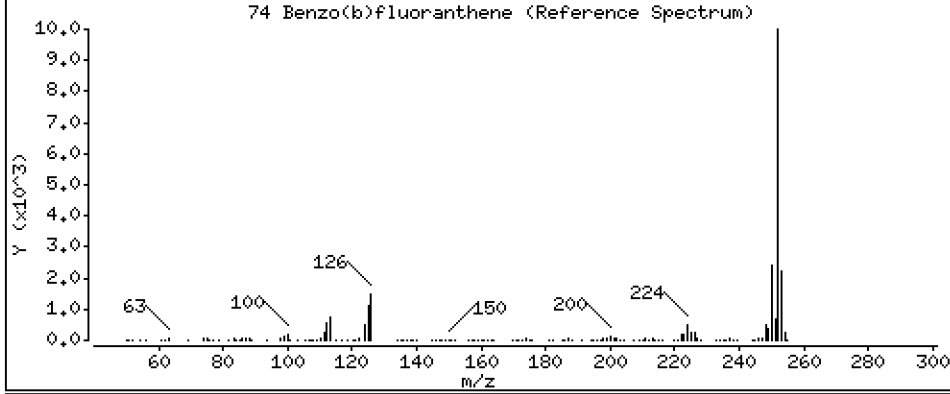
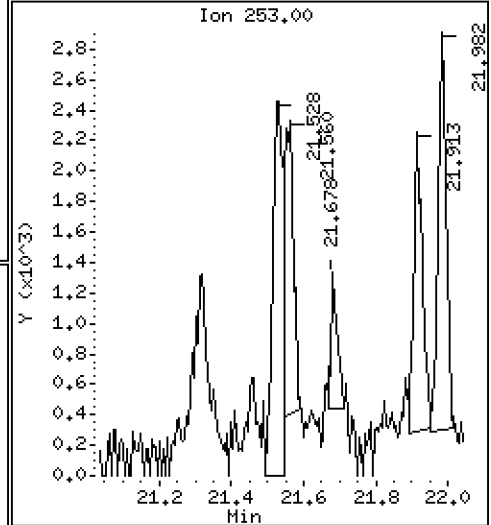
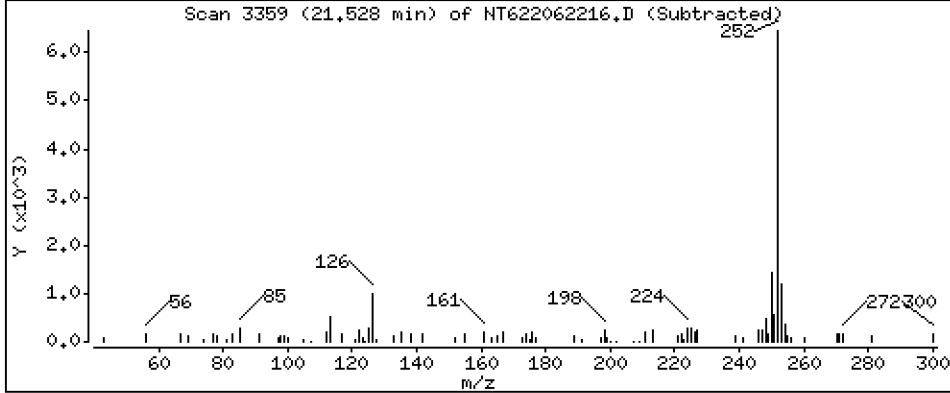
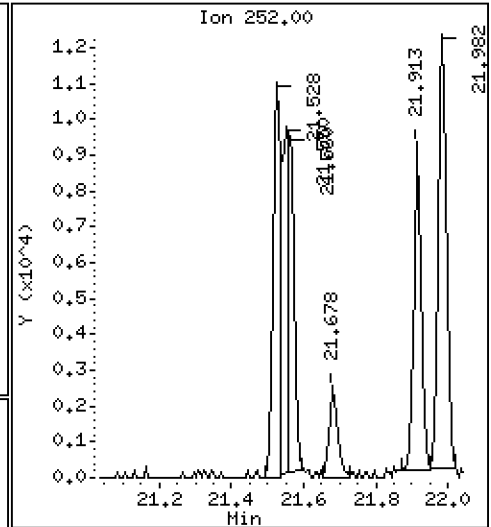
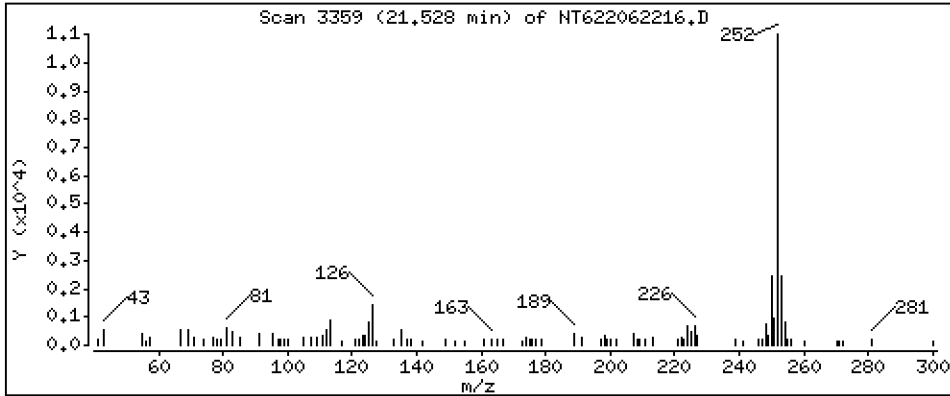
Operator: JZ

Column phase: ZB-5msi

Column diameter: 0.32

74 Benzo(b)fluoranthene

Concentration: 0.8810 ug/mL



Date : 22-JUN-2022 19:33

Client ID:

Instrument: nt6.i

Sample Info: 22F0267-15

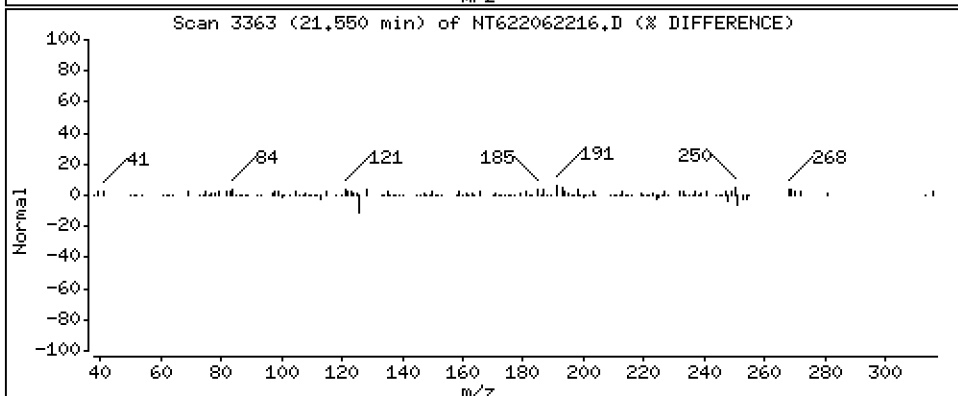
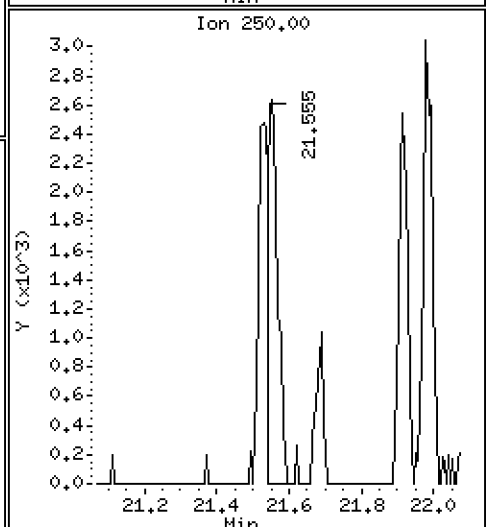
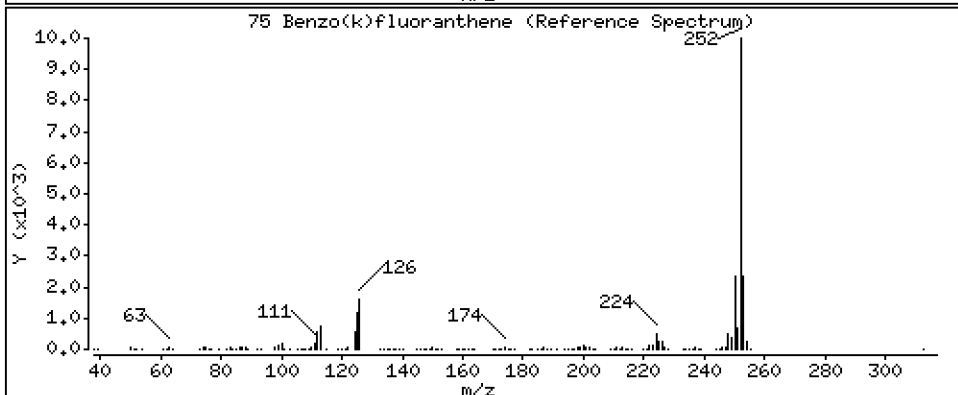
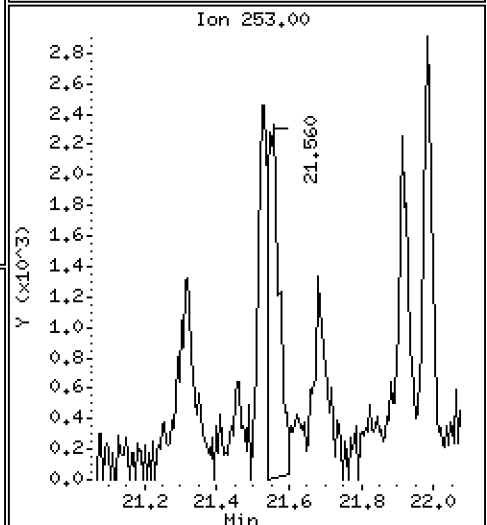
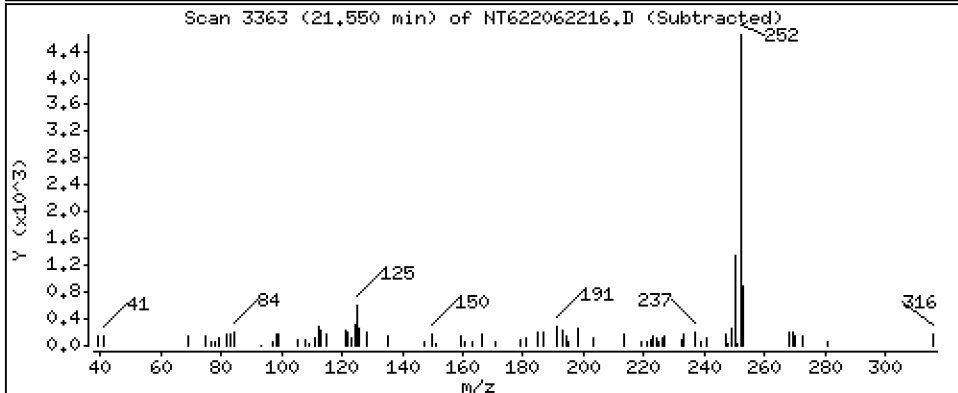
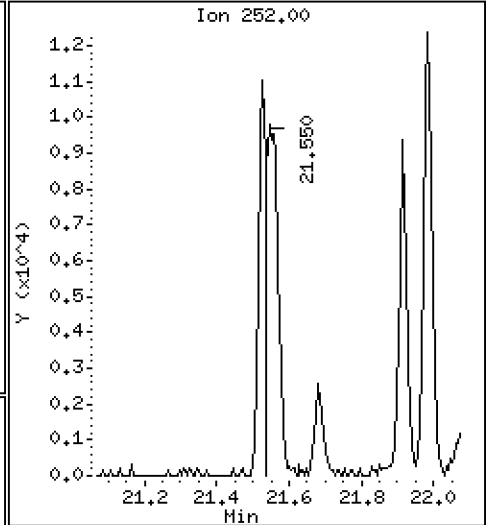
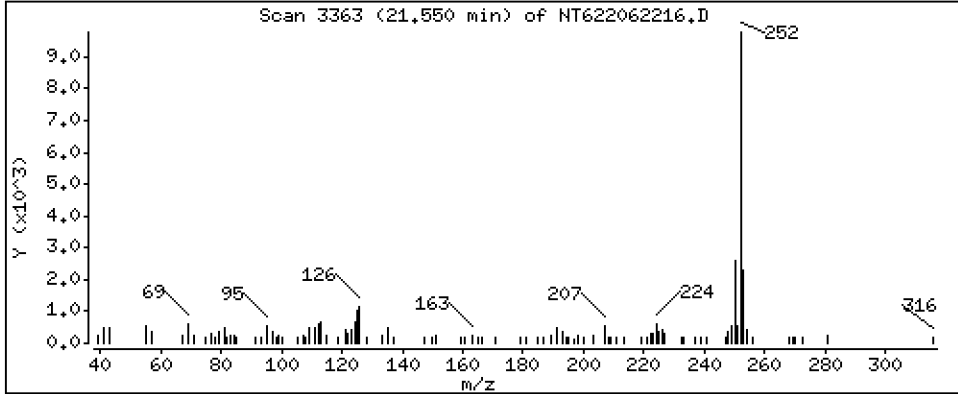
Operator: JZ

Column phase: ZB-5msi

Column diameter: 0.32

75 Benzo(k)fluoranthene

Concentration: 1.236 ug/mL



Date : 22-JUN-2022 19:33

Client ID:

Instrument: nt6.i

Sample Info: 22F0267-15

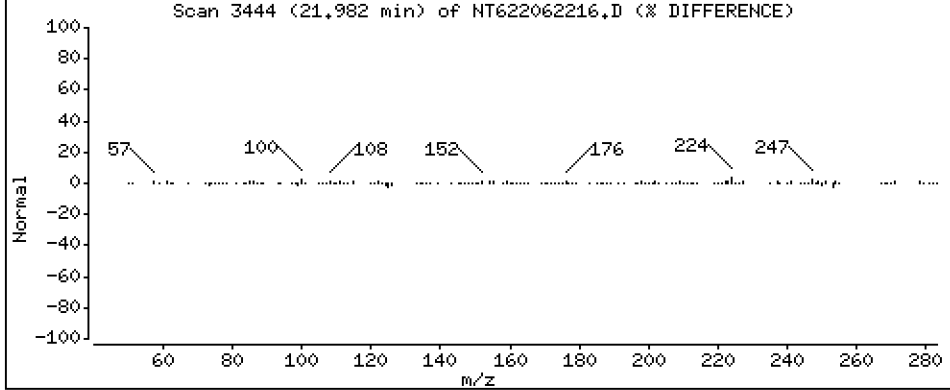
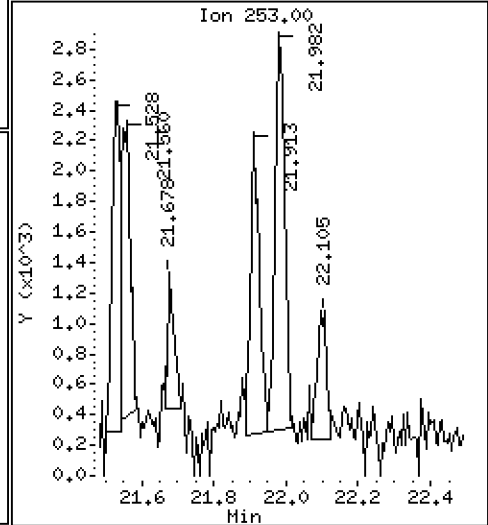
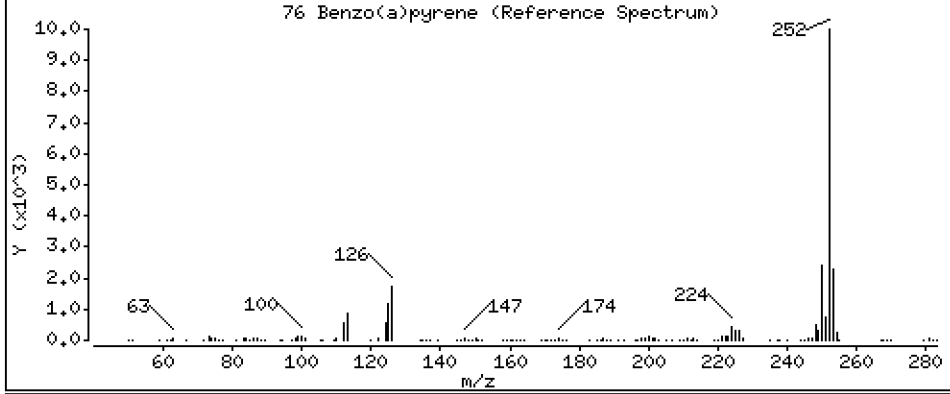
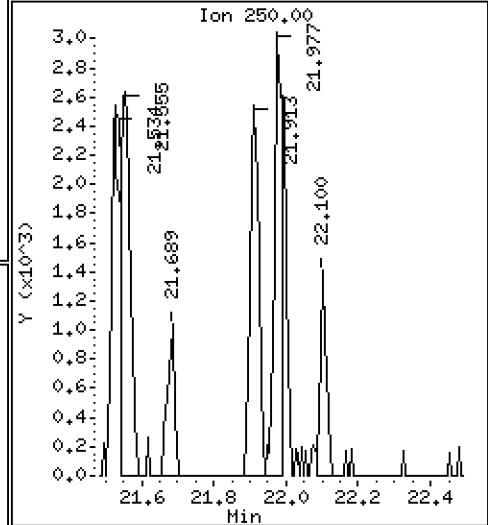
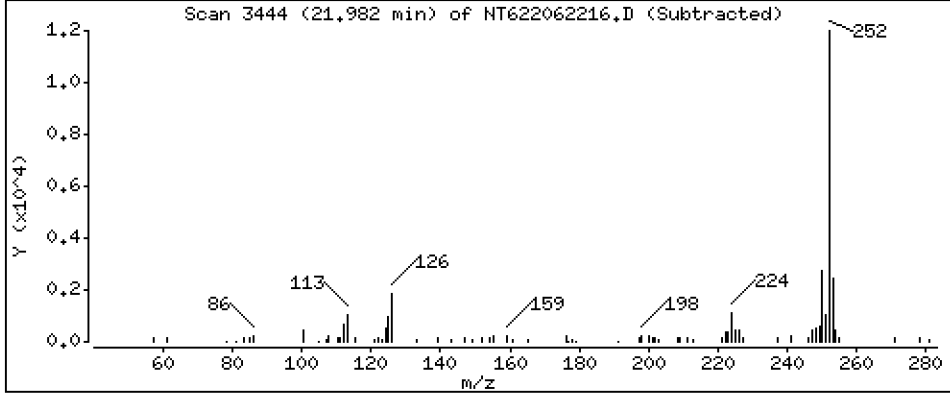
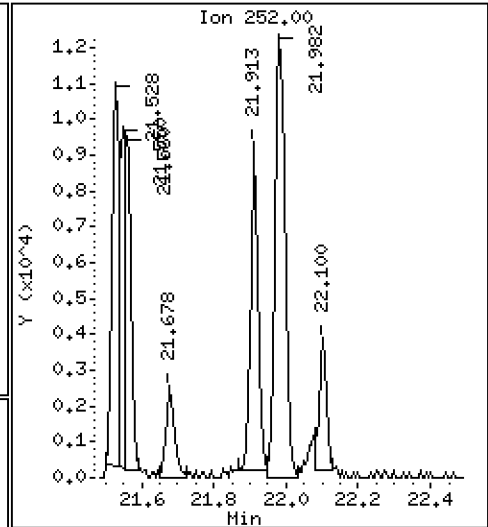
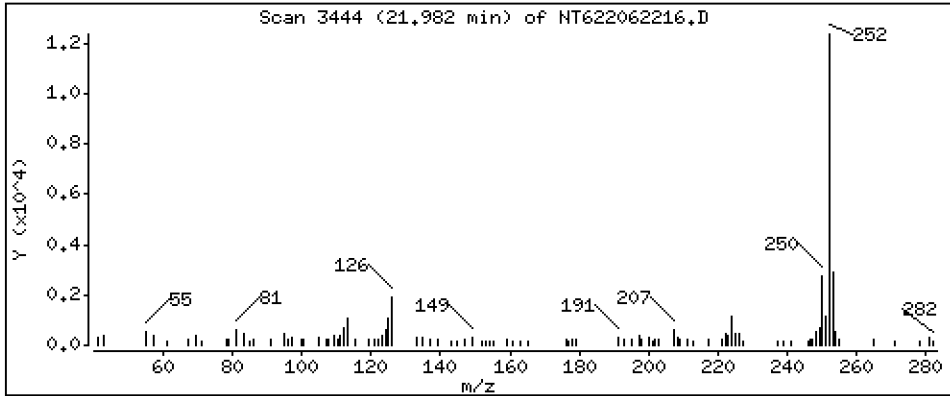
Operator: JZ

Column phase: ZB-5msi

Column diameter: 0.32

76 Benzo(a)pyrene

Concentration: 1.241 ug/mL



Date : 22-JUN-2022 19:33

Client ID:

Instrument: nt6.i

Sample Info: 22F0267-15

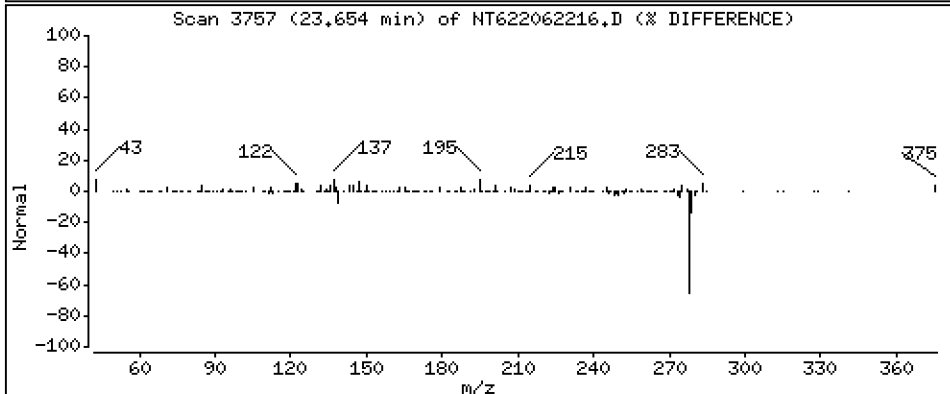
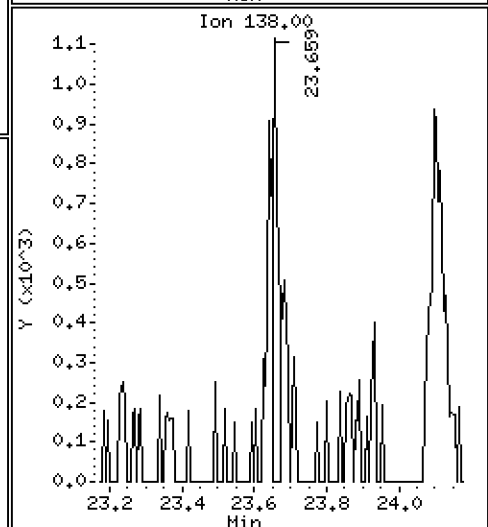
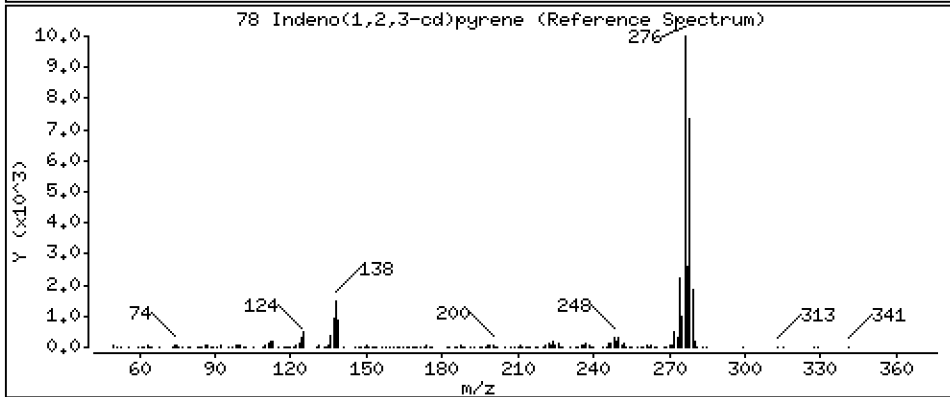
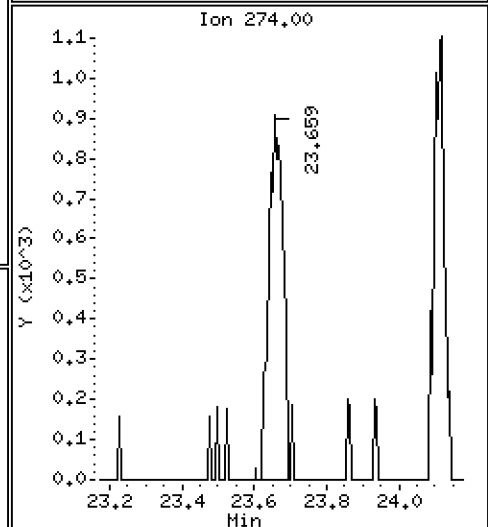
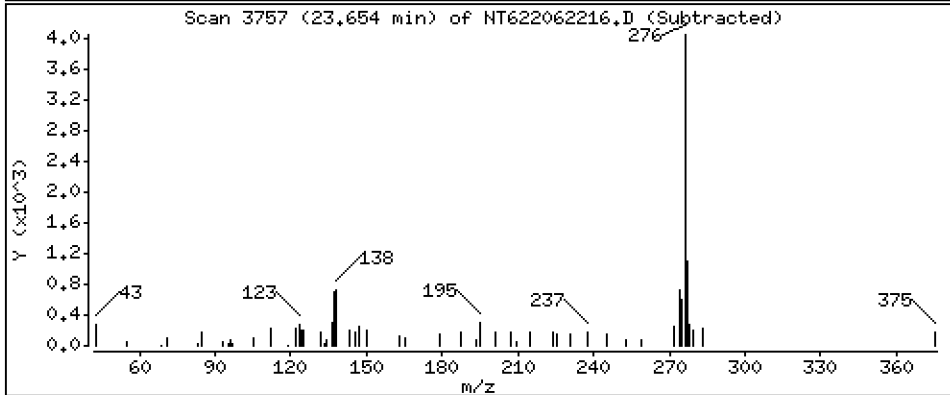
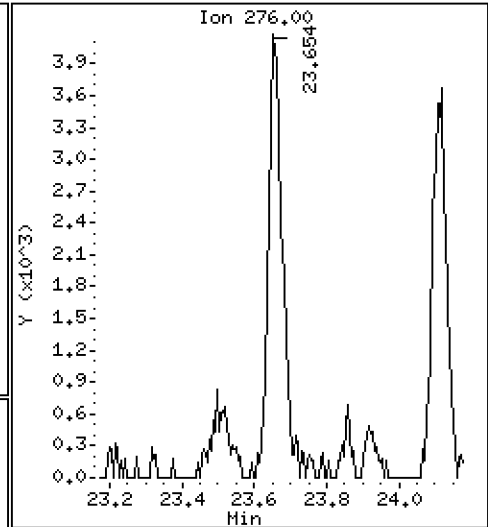
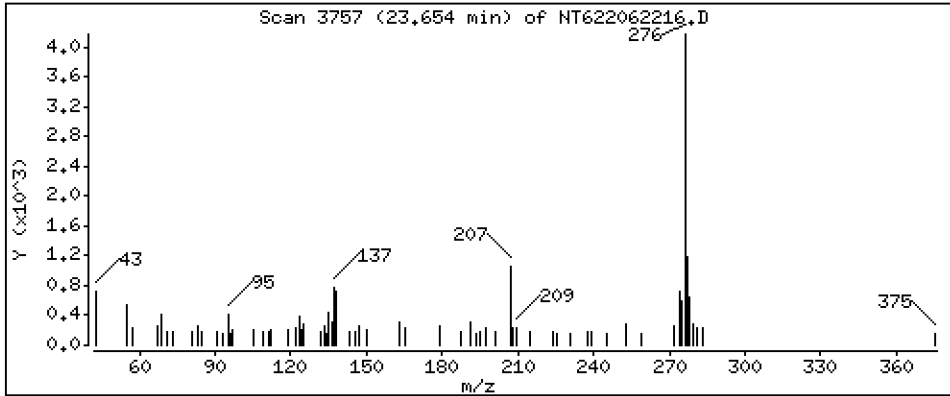
Operator: JZ

Column phase: ZB-5msi

Column diameter: 0.32

78 Indeno(1,2,3-cd)pyrene

Concentration: 0.4531 ug/mL



Date : 22-JUN-2022 19:33

Client ID:

Instrument: nt6.i

Sample Info: 22F0267-15

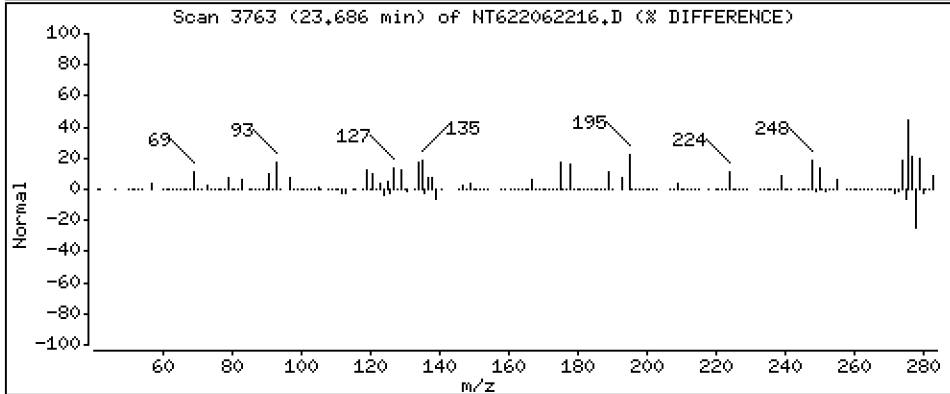
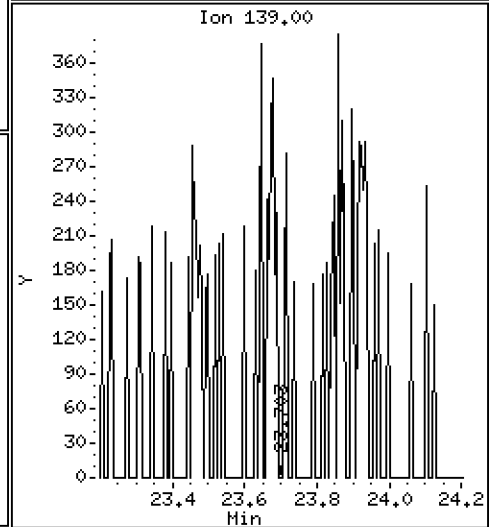
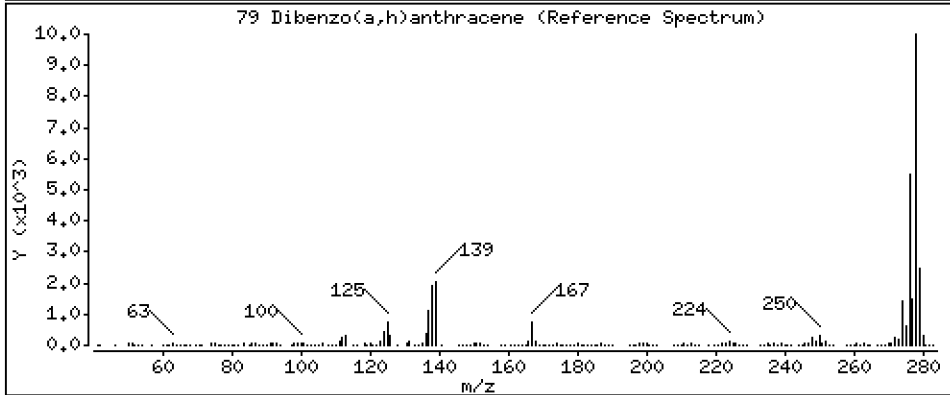
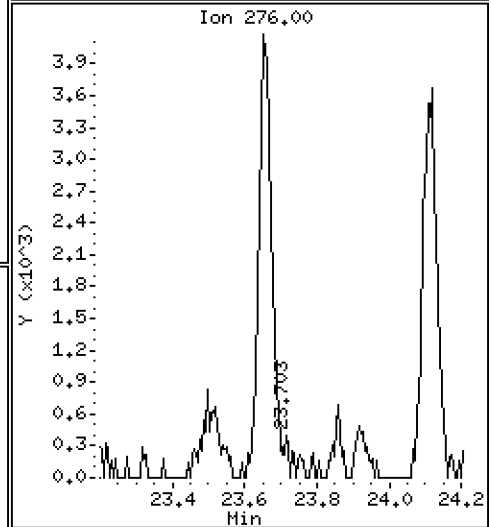
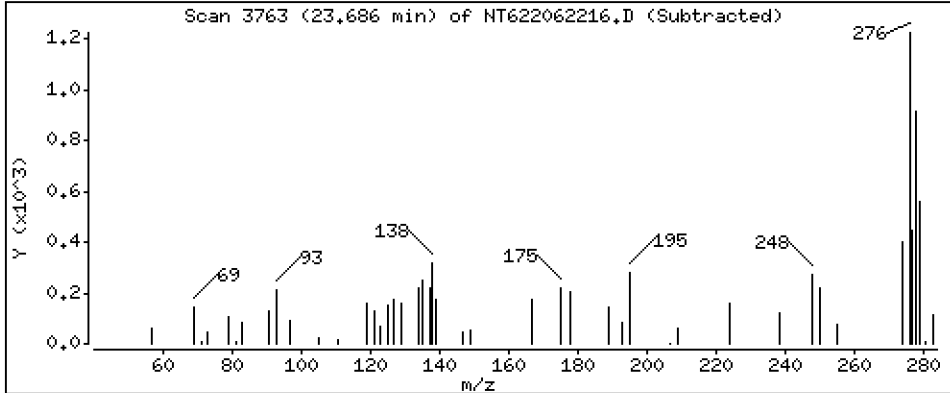
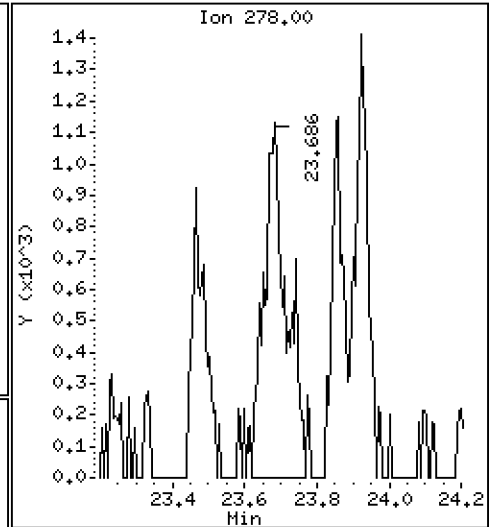
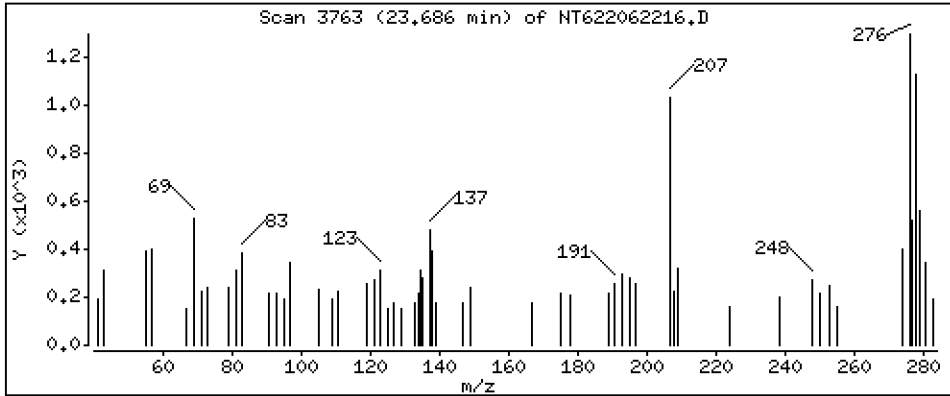
Operator: JZ

Column phase: ZB-5msi

Column diameter: 0,32

79 Dibenzo(a,h)anthracene

Concentration: 0,2319 ug/mL



Date : 22-JUN-2022 19:33

Client ID:

Instrument: nt6.i

Sample Info: 22F0267-15

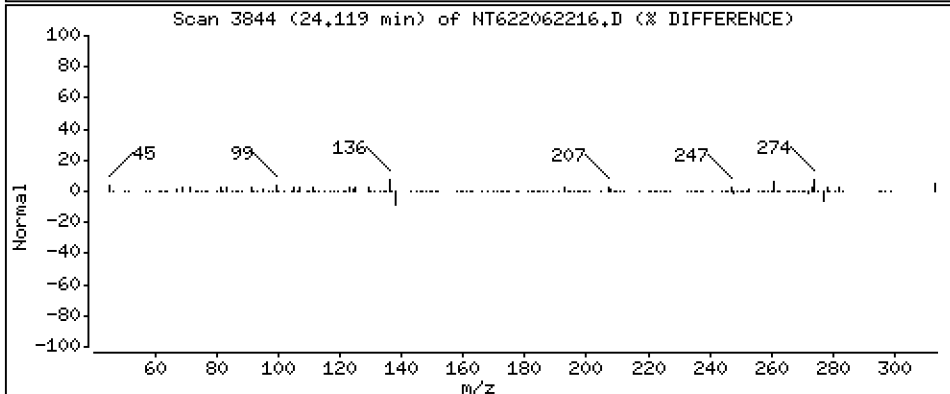
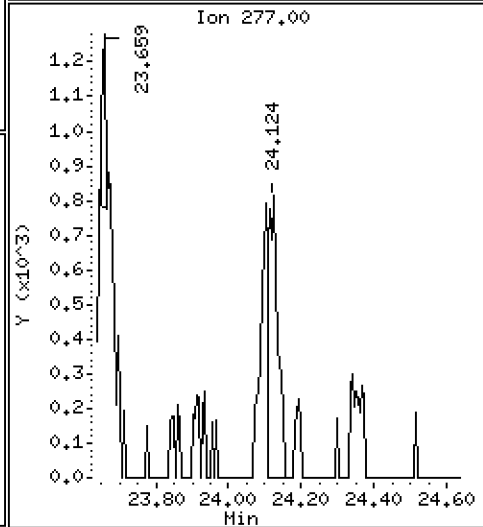
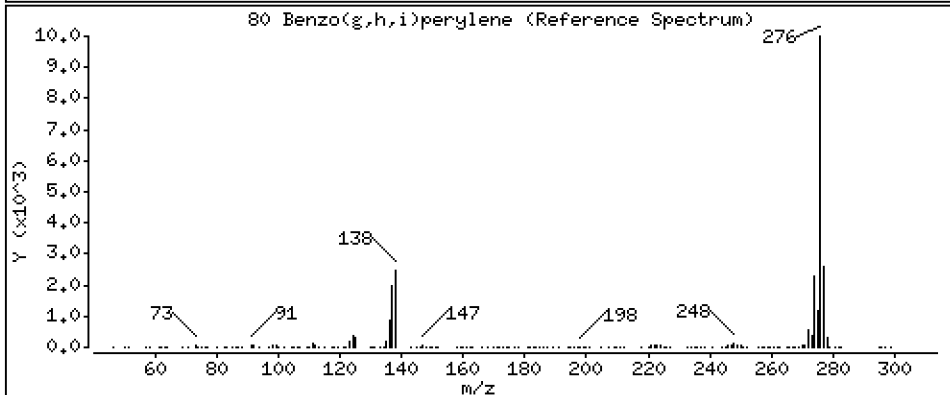
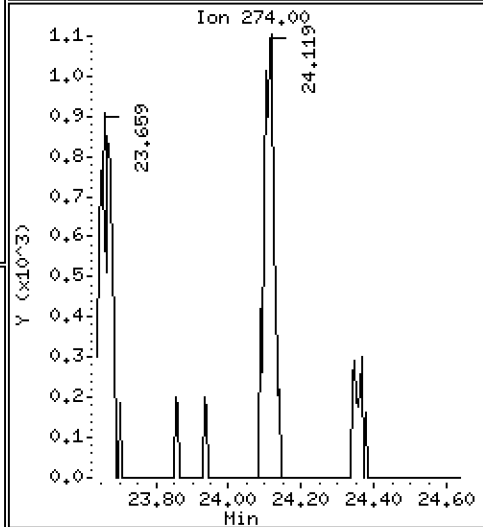
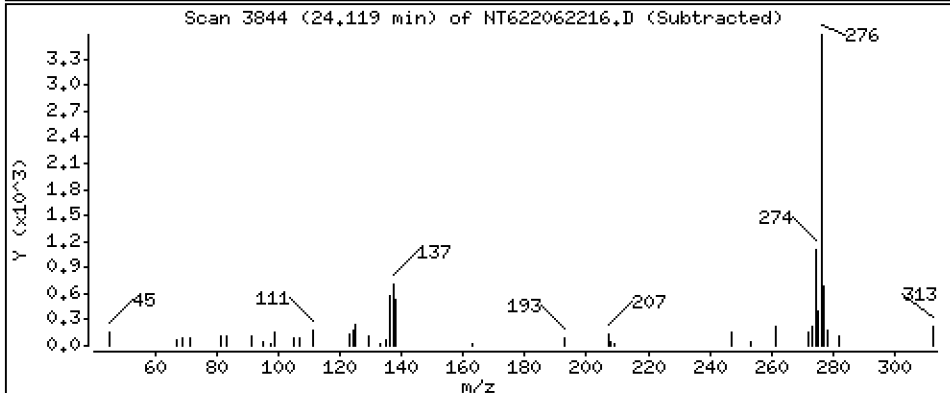
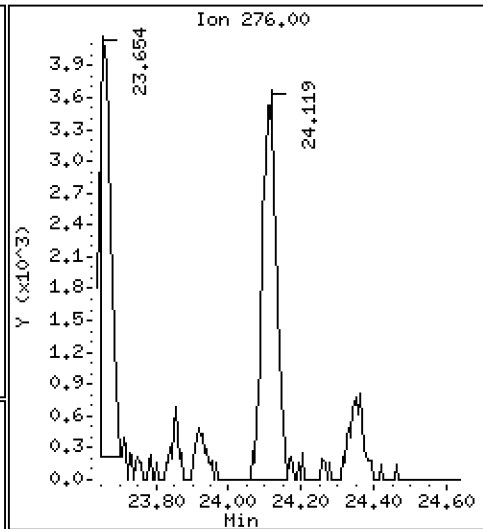
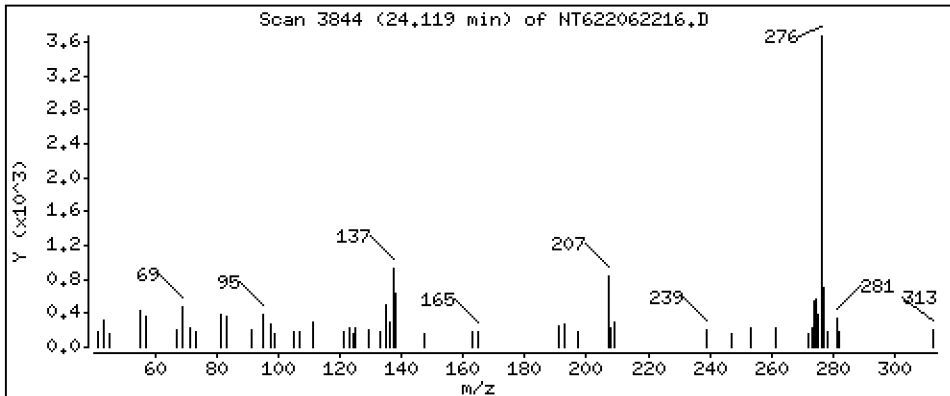
Operator: JZ

Column phase: ZB-5msi

Column diameter: 0.32

80 Benzo(g,h,i)perylene

Concentration: 0.4811 ug/mL



Date : 22-JUN-2022 19:33

Client ID:

Instrument: nt6.i

Sample Info: 22F0267-15

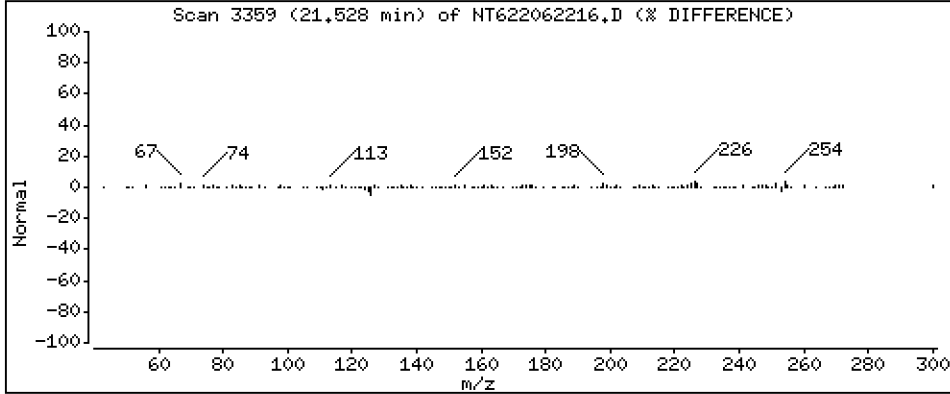
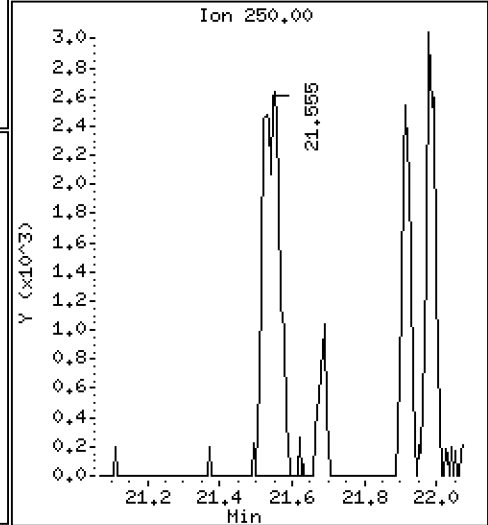
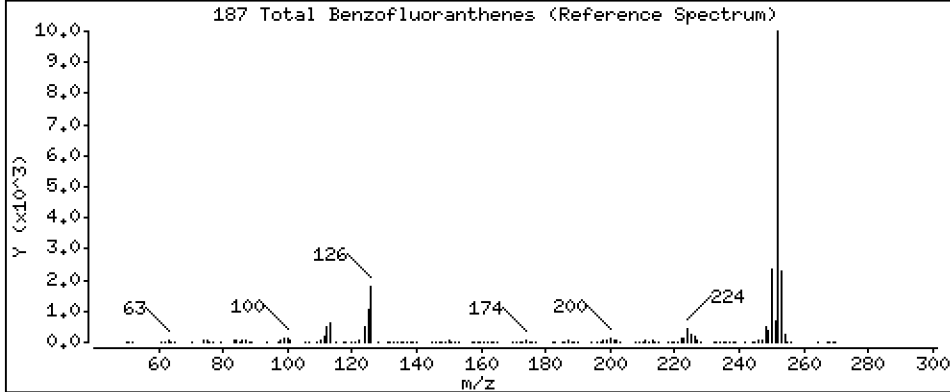
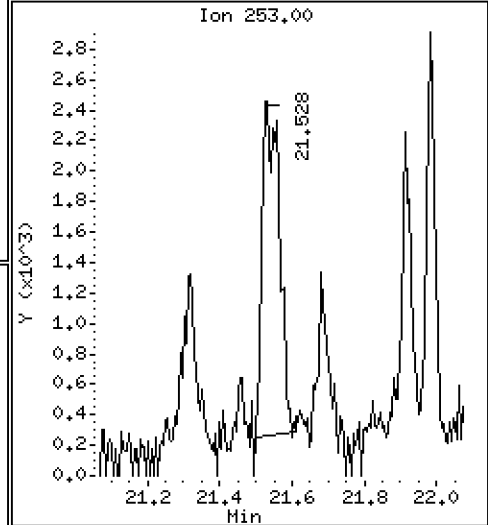
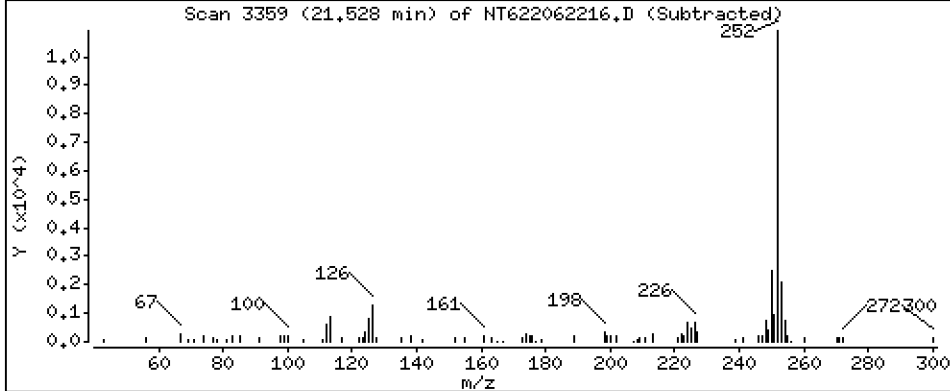
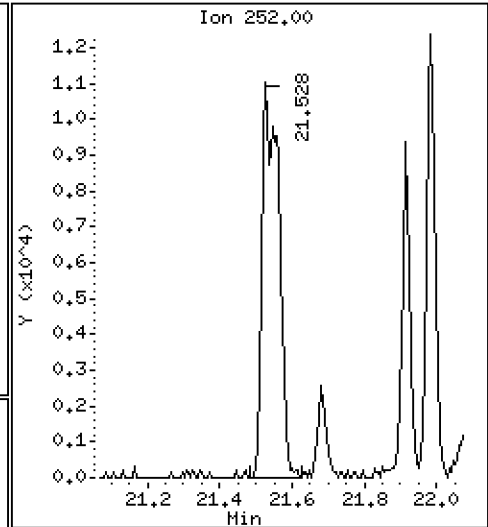
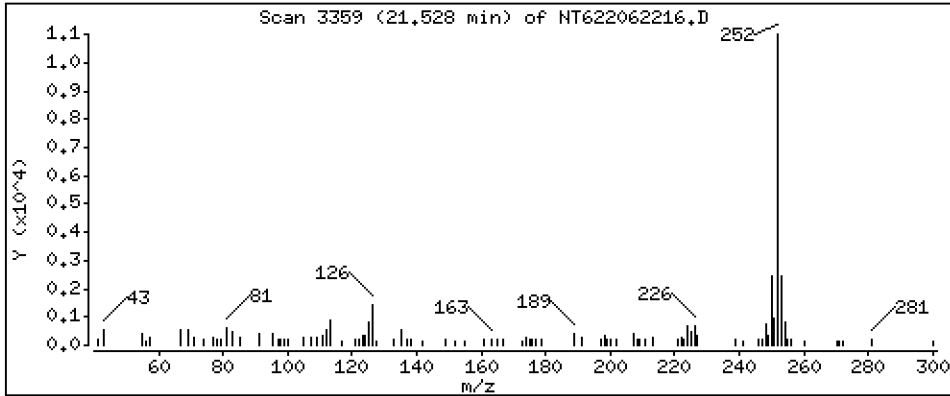
Operator: JZ

Column phase: ZB-5msi

Column diameter: 0.32

187 Total Benzofluoranthenes

Concentration: 2.045 ug/mL



ARI Labs, Inc.

Semivolatile Report SW846 Method 8270D

Data file : \\target\share\chem3\nt6.i\20220622.b\NT622062216.D
 Lab Smp Id: 22F0267-15
 Inj Date : 22-JUN-2022 19:33
 Operator : JZ Inst ID: nt6.i
 Smp Info : 22F0267-15
 Misc Info : 22-
 Comment : 1ul Injection
 Method : \\target\share\chem3\nt6.i\20220622.b\SW84620220516.m
 Meth Date : 24-Jun-2022 18:07 jianqing Quant Type: ISTD
 Cal Date : 16-MAY-2022 18:52 Cal File: NT622051604.D
 Als bottle: 16
 Dil Factor: 1.00000
 Integrator: HP RTE Compound Sublist: LLM DL.sub
 Target Version: 4.14
 Processing Host: JIANQING-202105

Compounds	QUANT	SIG	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS	
							ON-COLUMN	FINAL
	MASS						(ug/mL)	(ug/mL)
=====	====		====	=====	=====	=====	=====	=====
\$ 1 2-Fluorophenol	112		6.370	6.370	(0.767)	122817	27.7375	27.74
\$ 2 Phenol-d5	99		7.876	7.877	(0.948)	144560	28.5403	28.54
3 Phenol	94		Compound Not Detected.					
\$ 5 2-Chlorophenol-d4	132		8.015	8.016	(0.965)	134823	29.4497	29.45
4 Bis(2-Chloroethyl)ether	93		Compound Not Detected.					
6 2-Chlorophenol	128		Compound Not Detected.					
7 1,3-Dichlorobenzene	146		Compound Not Detected.					
* 8 1,4-Dichlorobenzene-d4	152		8.309	8.309	(1.000)	81921	20.0000	
9 1,4-Dichlorobenzene	146		Compound Not Detected.					
\$ 10 1,2-Dichlorobenzene-d4	152		8.608	8.608	(1.036)	58494	17.8533	17.85
12 1,2-Dichlorobenzene	146		Compound Not Detected.					
11 Benzyl alcohol	108		8.602	8.587	(1.035)	614	0.22330	0.2233
14 2,2'-oxybis(1-Chloropropane)	45		Compound Not Detected.					
13 2-Methylphenol	108		Compound Not Detected.					
17 Hexachloroethane	117		Compound Not Detected.					
16 N-Nitroso-di-n-propylamine	70		Compound Not Detected.					
15 4-Methylphenol	108		Compound Not Detected.					
\$ 18 Nitrobenzene-d5	82		9.233	9.239	(0.893)	87546	19.5890	19.59
19 Nitrobenzene	77		Compound Not Detected.					
20 Isophorone	82		Compound Not Detected.					
21 2-Nitrophenol	139		Compound Not Detected.					
22 2,4-Dimethylphenol	107		Compound Not Detected.					
23 Bis(2-Chloroethoxy)methane	93		Compound Not Detected.					
24 Benzoic acid	105		9.980	10.115	(0.965)	821	0.26056	0.2606 (M)
25 2,4-Dichlorophenol	162		Compound Not Detected.					
26 1,2,4-Trichlorobenzene	180		Compound Not Detected.					
* 27 Naphthalene-d8	136		10.344	10.350	(1.000)	291039	20.0000	
28 Naphthalene	128		Compound Not Detected.					
29 4-Chloroaniline	127		Compound Not Detected.					
30 Hexachlorobutadiene	225		Compound Not Detected.					
31 4-Chloro-3-methylphenol	107		Compound Not Detected.					
32 2-Methylnaphthalene	141		Compound Not Detected.					
33 Hexachlorocyclopentadiene	237		Compound Not Detected.					

Compounds	QUANT MASS	SIG	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS	
							ON-COLUMN (ug/mL)	FINAL (ug/mL)
34 2,4,6-Trichlorophenol	196					Compound Not Detected.		
35 2,4,5-Trichlorophenol	196					Compound Not Detected.		
\$ 36 2-Fluorobiphenyl	172		12.133	12.133	(0.919)	188687	17.5616	17.56
37 2-Chloronaphthalene	162					Compound Not Detected.		
38 2-Nitroaniline	65					Compound Not Detected.		
39 Dimethylphthalate	163					Compound Not Detected.		
40 Acenaphthylene	152					Compound Not Detected.		
41 2,6-Dinitrotoluene	165					Compound Not Detected.		
* 42 Acenaphthene-d10	164		13.206	13.207	(1.000)	176617	20.0000	
43 3-Nitroaniline	138					Compound Not Detected.		
44 Acenaphthene	153		13.249	13.255	(1.003)	1677	0.20395	0.2039
45 2,4-Dinitrophenol	184					Compound Not Detected.		
46 Dibenzofuran	168					Compound Not Detected.		
47 4-Nitrophenol	109					Compound Not Detected.		
48 2,4-Dinitrotoluene	165					Compound Not Detected.		
50 Diethylphthalate	149					Compound Not Detected.		
49 Fluorene	166		14.066	14.078	(1.065)	2207	0.23217	0.2322
51 4-Chlorophenyl-phenylether	204					Compound Not Detected.		
52 4-Nitroaniline	138					Compound Not Detected.		
53 4,6-Dinitro-2-methylphenol	198					Compound Not Detected.		
54 N-Nitrosodiphenylamine	169					Compound Not Detected.		
\$ 55 2,4,6-Tribromophenol	330		14.494	14.500	(1.097)	48191	32.0677	32.07
56 4-Bromophenyl-phenylether	248					Compound Not Detected.		
57 Hexachlorobenzene	284					Compound Not Detected.		
58 Pentachlorophenol	266		15.396	15.397	(0.988)	999	0.46437	0.4644
* 59 Phenanthrene-d10	188		15.583	15.584	(1.000)	315015	20.0000	
60 Phenanthrene	178		15.615	15.621	(1.002)	26838	2.06687	2.067 (M)
61 Anthracene	178		15.690	15.696	(1.007)	9953	0.76629	0.7663
62 Carbazole	167		15.968	15.974	(1.025)	2798	0.25061	0.2506
63 Di-n-butylphthalate	149					Compound Not Detected.		
64 Fluoranthene	202		17.591	17.560	(1.129)	46225	3.14980	3.150
65 Pyrene	202		17.923	17.918	(0.900)	53375	2.62879	2.629
\$ 66 Terphenyl-d14	244		18.222	18.222	(0.915)	152943	9.94808	9.948
67 Butylbenzylphthalate	149					Compound Not Detected.		
68 Benzo(a)anthracene	228		19.872	19.878	(0.998)	24480	1.36524	1.365
* 69 Chrysene-d12	240		19.904	19.905	(1.000)	323395	20.0000	
70 3,3'-Dichlorobenzidine	252					Compound Not Detected.		
71 Chrysene	228		19.936	19.947	(1.002)	29003	1.76071	1.761
72 bis(2-Ethylhexyl)phthalate	149					Compound Not Detected.		
* 134 Di-n-octylphthalate-d4	153		21.015	21.021	(1.000)	416745	20.0000	
73 Di-n-octylphthalate	149					Compound Not Detected.		
74 Benzo(b)fluoranthene	252		21.528	21.539	(0.975)	15564	0.88104	0.8810 (H)
75 Benzo(k)fluoranthene	252		21.549	21.571	(0.976)	21878	1.23600	1.236 (M)
76 Benzo(a)pyrene	252		21.982	21.988	(0.996)	20580	1.24143	1.241
* 77 Perylene-d12	264		22.073	22.068	(1.000)	357845	20.0000	
78 Indeno(1,2,3-cd)pyrene	276		23.654	23.676	(1.072)	10979	0.45310	0.4531 (M)
79 Dibenzo(a,h)anthracene	278		23.686	23.702	(1.073)	4700	0.23187	0.2319 (M)
80 Benzo(g,h,i)perylene	276		24.118	24.135	(1.093)	9998	0.48107	0.4811
90 N-Nitrosodimethylamine	74					Compound Not Detected.		
103 Pyridine	79					Compound Not Detected.		
105 1-methylnaphthalene	141					Compound Not Detected.		
111 Azobenzene (1,2-DP-Hydrazine)	77					Compound Not Detected.		
187 Total Benzofluoranthenes	252		21.528	21.571	(0.975)	34377	2.04495	2.045 (M)
144 alpha-Terpineol	59					Compound Not Detected.		

Compounds	QUANT SIG						CONCENTRATIONS	
	MASS		RT	EXP RT	REL RT	RESPONSE	ON-COLUMN (ug/mL)	FINAL (ug/mL)
=====	=====		=====	=====	=====	=====	=====	=====

QC Flag Legend

- M - Compound response manually integrated.
- H - Operator selected an alternate compound hit.

ARI Labs, Inc.

INTERNAL STANDARD COMPOUNDS
 AREA AND RT SUMMARY

Instrument ID: nt6.i Calibration Date: 22-JUN-2022
 Lab File ID: NT622062216.D Calibration Time: 10:58
 Lab Smp Id: 22F0267-15
 Analysis Type: SV Level:
 Quant Type: ISTD Sample Type:
 Operator: JZ
 Method File: \\target\share\chem3\nt6.i\20220622.b\SW84620220516.m
 Misc Info: 22-

Test Mode:
 Use Last Continuing Calibrator.

COMPOUND	STANDARD	AREA LIMIT		SAMPLE	%DIFF
		LOWER	UPPER		
8 1,4-Dichlorobenze	56102	28051	112204	81921	46.02
27 Naphthalene-d8	190364	95182	380728	291039	52.89
42 Acenaphthene-d10	122124	61062	244248	176617	44.62
59 Phenanthrene-d10	231281	115641	462562	315015	36.20
69 Chrysene-d12	202750	101375	405500	323395	59.50
134 Di-n-octylphthala	284466	142233	568932	416745	46.50
77 Perylene-d12	214859	107430	429718	357845	66.55

COMPOUND	STANDARD	RT LIMIT		SAMPLE	%DIFF
		LOWER	UPPER		
8 1,4-Dichlorobenze	8.31	7.81	8.81	8.31	-0.01
27 Naphthalene-d8	10.35	9.85	10.85	10.34	-0.06
42 Acenaphthene-d10	13.21	12.71	13.71	13.21	-0.00
59 Phenanthrene-d10	15.58	15.08	16.08	15.58	-0.00
69 Chrysene-d12	19.91	19.41	20.41	19.90	-0.00
134 Di-n-octylphthala	21.02	20.52	21.52	21.02	-0.03
77 Perylene-d12	22.07	21.57	22.57	22.07	0.02

AREA UPPER LIMIT = +100% of internal standard area.
 AREA LOWER LIMIT = - 50% of internal standard area.
 RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
 RT LOWER LIMIT = - 0.50 minutes of internal standard RT.

REVIEW SUMMARY FOR FILE - NT622062216.D

Lab ID: 22F0267-15
nt6.i, SW84620220516.m, 22-JUN-2022 19:33

RT CO-ELUTION COMPOUNDS

NO CO-ELUTIONS

Quant Method: ICAL

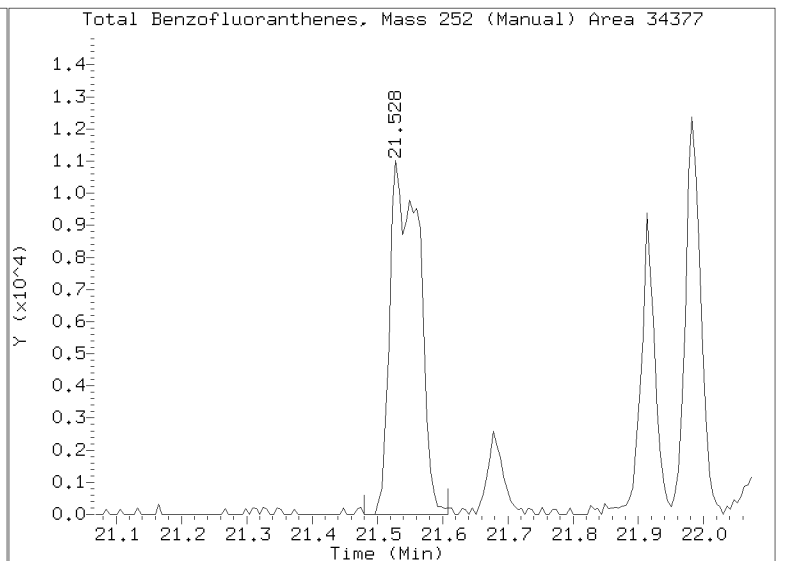
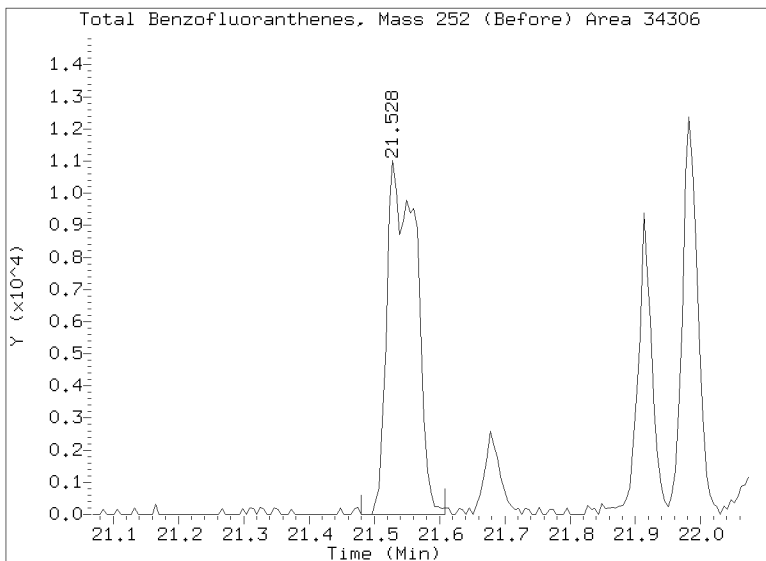
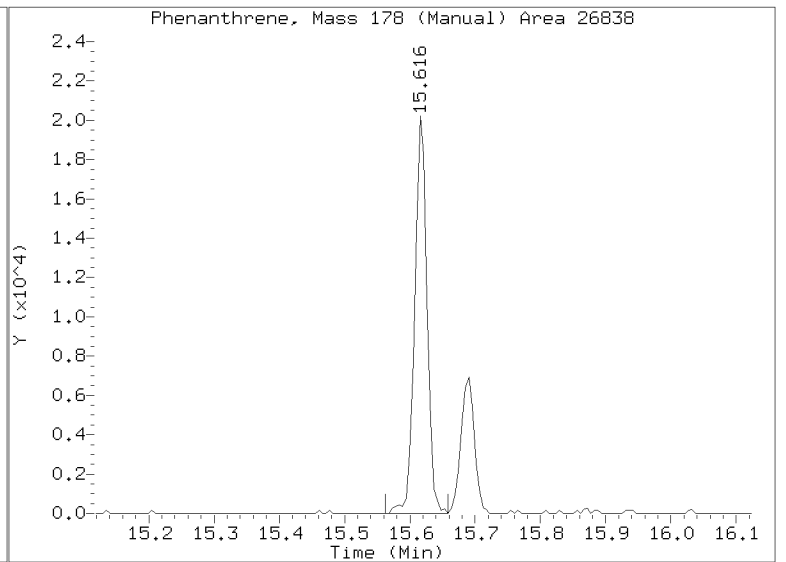
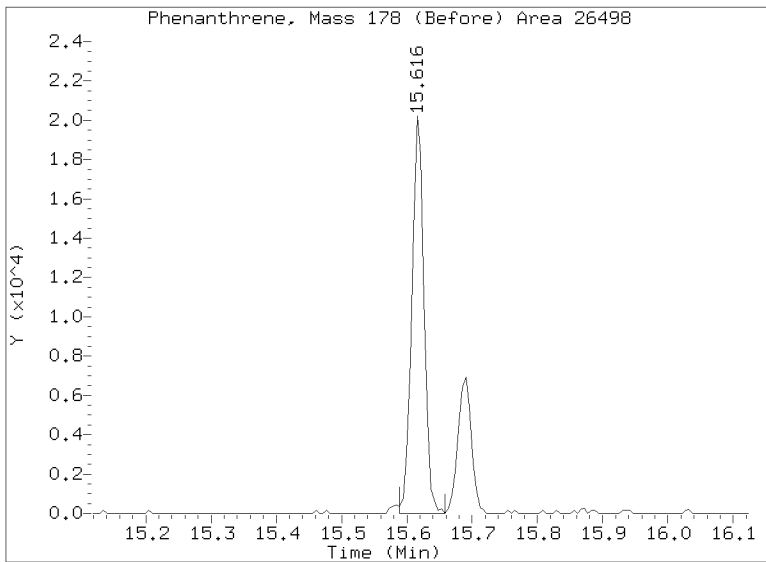
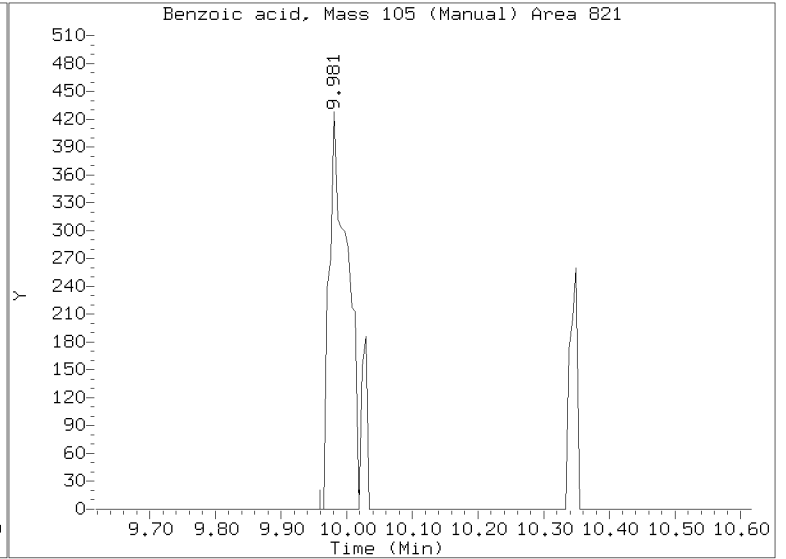
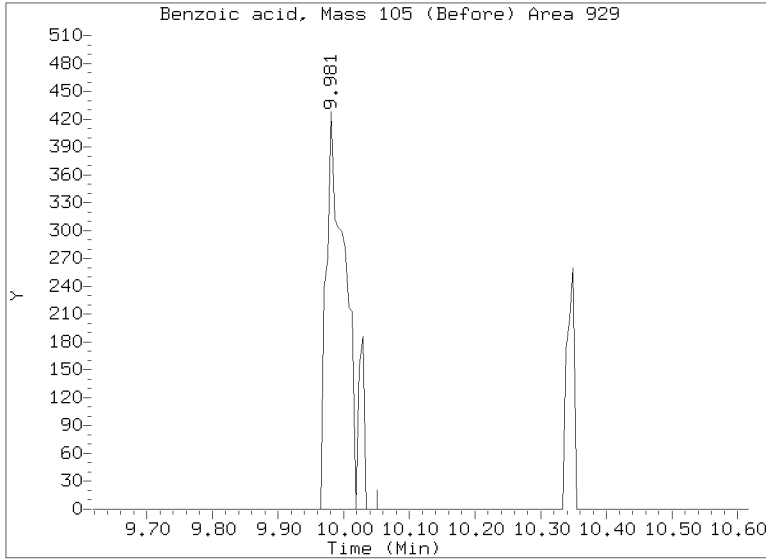
No RRT check performed

On Column LOD for nt6.i, SW84620220516.m, LLMDL.sub = 0.2000

* Only compounds listed in the work order have been verified by the analyst *

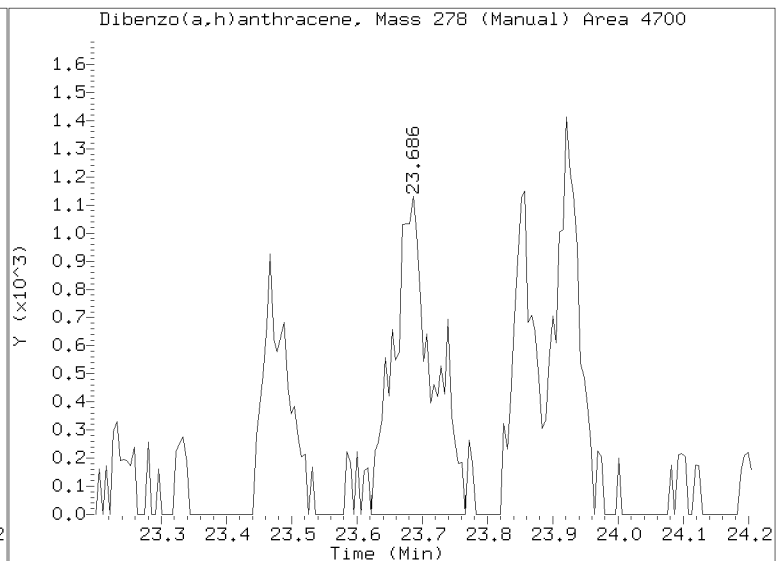
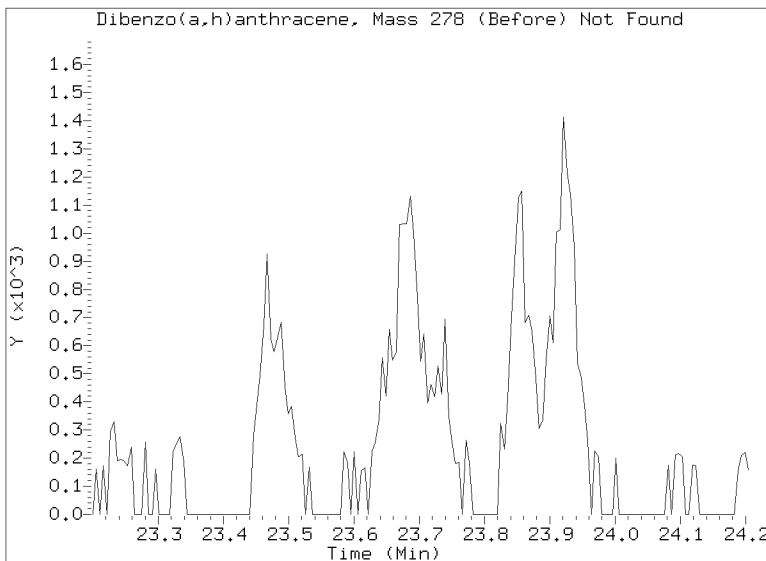
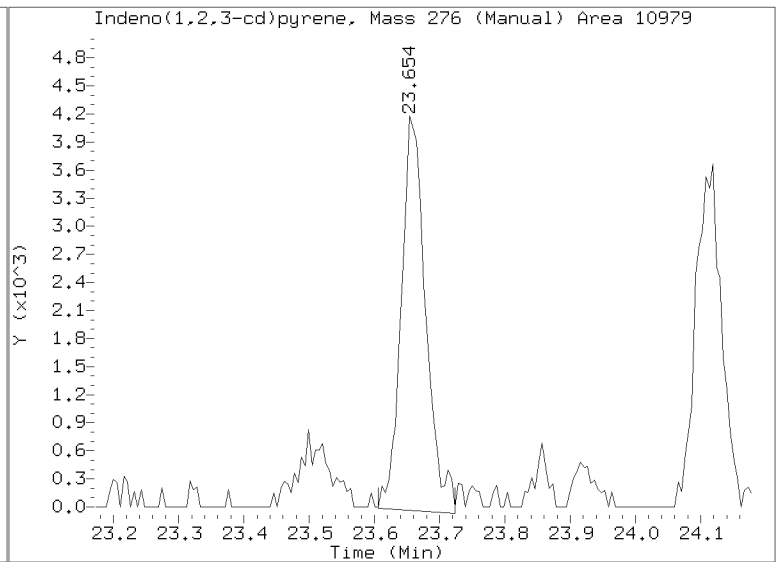
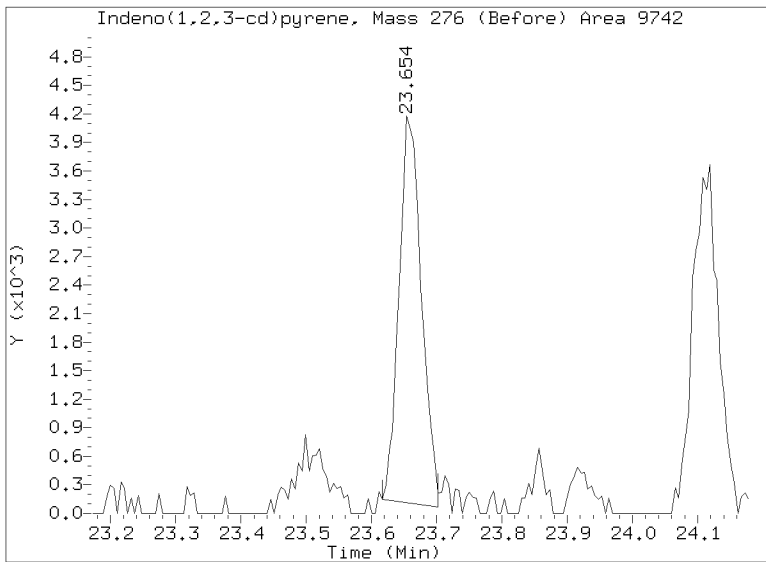
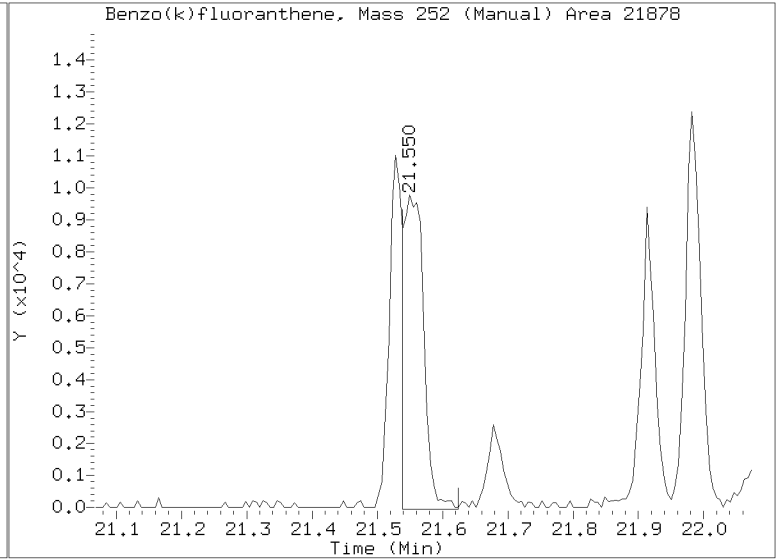
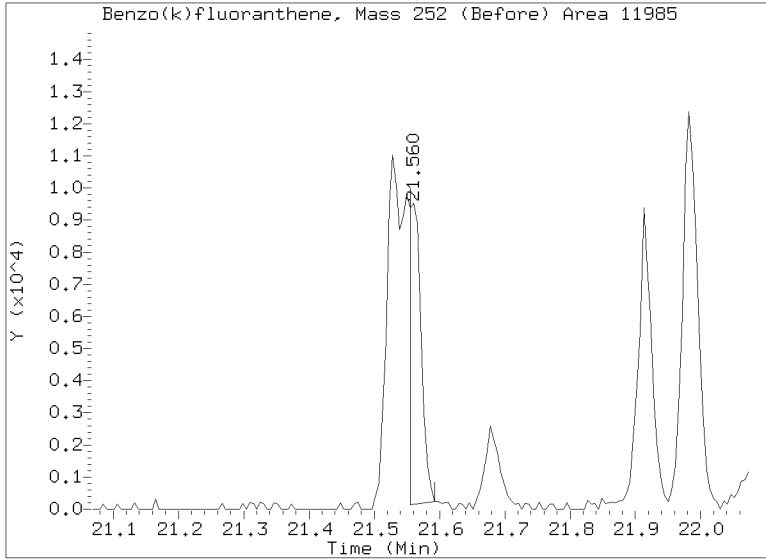
Quant Ion Manual Peak Adjustment Report

Datafile: //target/share/chem3/nt6.i/20220622.b/NT622062216.D
Injection Date: 22-JUN-2022 19:33
Lab ID:22F0267-15 Client ID:
Report Date: 06/24/2022 18:31



Quant Ion Manual Peak Adjustment Report

Datafile: //target/share/chem3/nt6.i/20220622.b/NT622062216.D
Injection Date: 22-JUN-2022 19:33
Lab ID:22F0267-15 Client ID:
Report Date: 06/24/2022 18:31





Form I
ORGANIC ANALYSIS DATA SHEET
EPA 8270E
Semivolatiles (20ug/kg - 0.2ug/L SepF)

Laboratory: Analytical Resources, LLC

Client: GeoEngineers

Project: RG Haley Site-Bellingham

Matrix: Sediment

Laboratory ID: 22F0267-16 A

SDG: 22F0267

Sampled: 06/14/22 10:15

Prepared: 06/21/22 13:45

File ID: NT1022063015.D

% Solids: 84.30

Preparation: EPA 3546 (Microwave)

Analyzed: 06/30/22 22:38

Batch: BKF0469

Sequence: SKG0010

Initial/Final: 11.87 g Wet / 1 mL

Instrument: NT10

Column: ZB-5MSi

Calibration: FF00062

Cleanups: GPC

CAS NO.	COMPOUND	DILUTION	CONC: (ug/kg dry)	Q	DL	RL
91-20-3	Naphthalene	1	11.5	J	4.2	20.0
91-57-6	2-Methylnaphthalene	1	7.9	J	4.5	20.0
83-32-9	Acenaphthene	1	6.2	J	5.2	20.0
87-86-5	Pentachlorophenol	1	31.2	U	31.2	99.9
85-01-8	Phenanthrene	1	124		8.7	20.0
206-44-0	Fluoranthene	1	427		6.1	20.0
56-55-3	Benzo(a)anthracene	1	147		6.0	20.0
218-01-9	Chrysene	1	177		6.1	20.0
205-99-2	Benzo(b)fluoranthene	1	135		7.0	20.0
207-08-9	Benzo(k)fluoranthene	1	120		5.0	20.0
50-32-8	Benzo(a)pyrene	1	176		4.2	20.0
193-39-5	Indeno(1,2,3-cd)pyrene	1	57.5		14.6	20.0
53-70-3	Dibenzo(a,h)anthracene	1	19.2	J	17.2	20.0
90-12-0	1-Methylnaphthalene	1	7.0	J	5.3	20.0

SURROGATES	ADDED: (ug/kg dry)	FOUND: (ug/kg dry)	% REC	QC LIMITS	Q
2-Fluorophenol	749.52	481	64.2	27 - 120	
Phenol-d5	749.52	470	62.7	29 - 120	
2-Chlorophenol-d4	749.52	633	84.5	31 - 120	
1,2-Dichlorobenzene-d4	499.68	413	82.6	32 - 120	
Nitrobenzene-d5	499.68	416	83.2	30 - 120	
2-Fluorobiphenyl	499.68	459	91.9	35 - 120	
2,4,6-Tribromophenol	749.52	706	94.2	24 - 134	
p-Terphenyl-d14	499.68	524	105	37 - 120	

Data File: \\target\share\chem3\nt10.1\20220630.16\NT1022063015.D

Date: 30-JUN-2022 22:38

Client ID:

Sample Info: 22F0267-16

Page 1

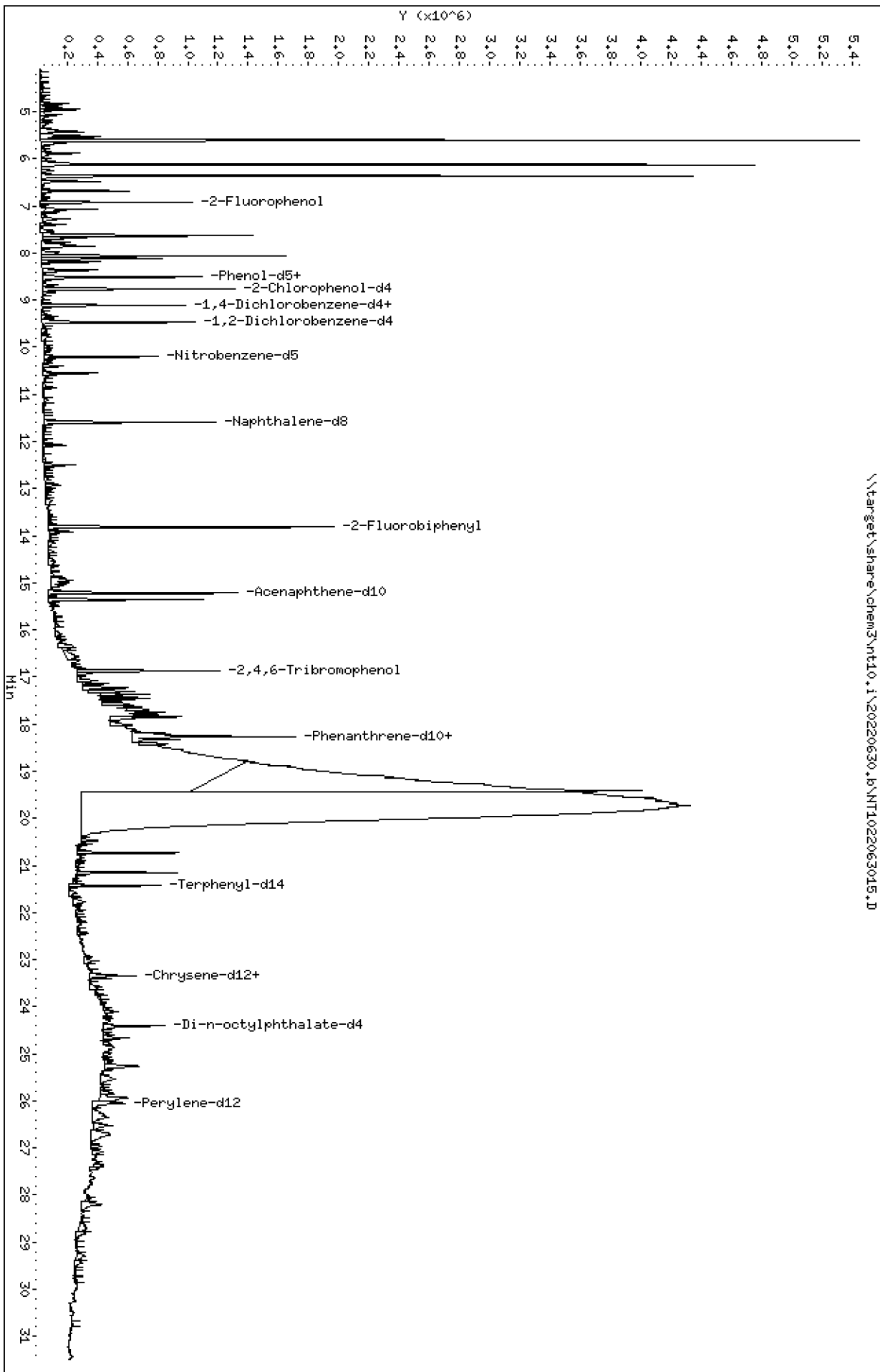
Instrument: nt10.1

Operator: VTS

Column diameter: 0.25

Column phase: ZB-5msi

\\target\share\chem3\nt10.1\20220630.16\NT1022063015.D



Date : 30-JUN-2022 22:38

Client ID:

Instrument: nt10.i

Sample Info: 22F0267-16

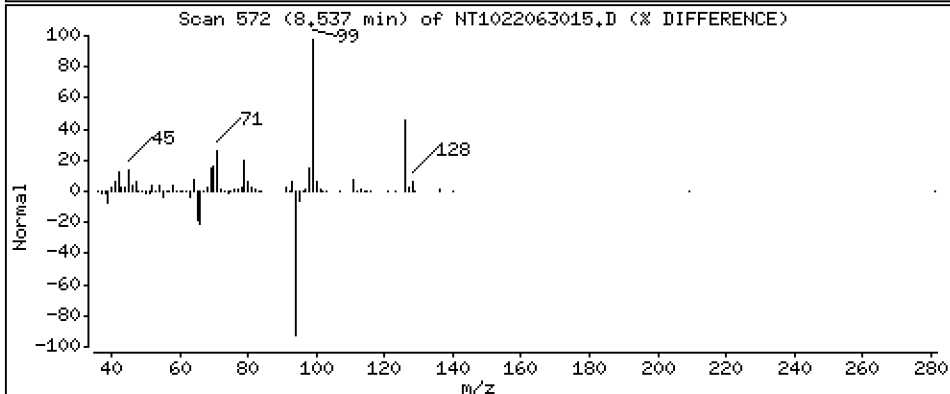
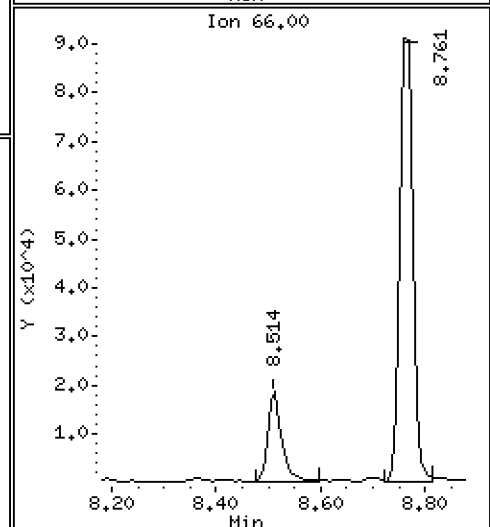
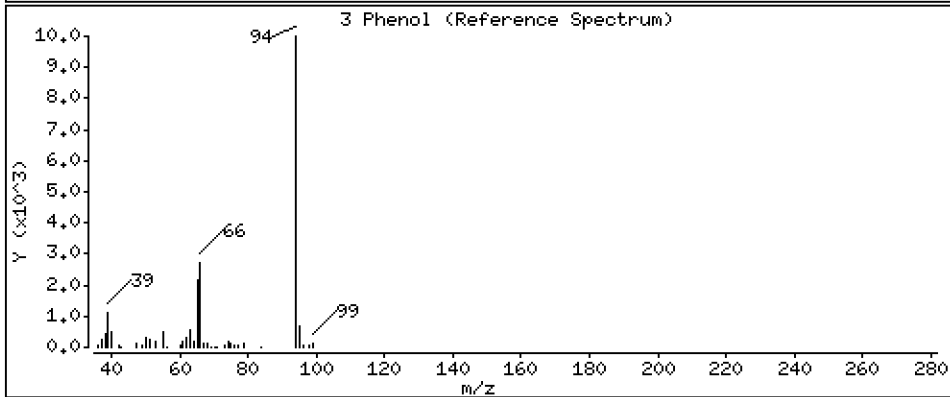
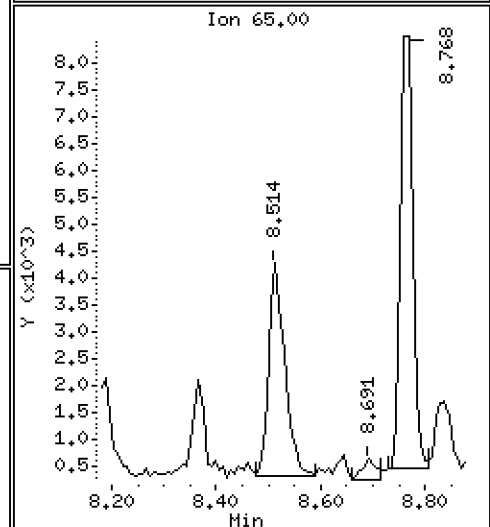
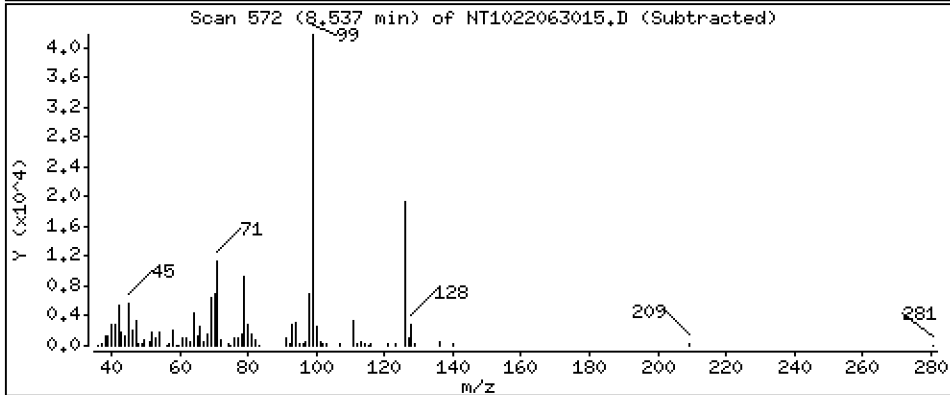
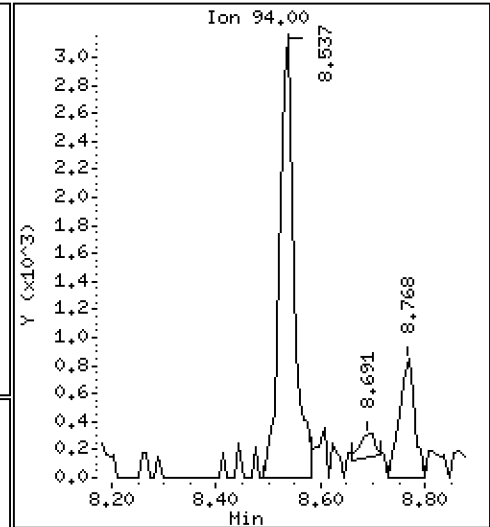
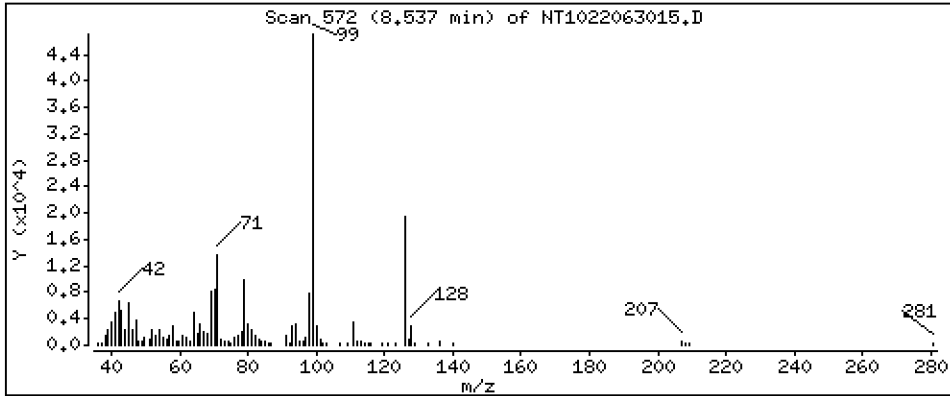
Operator: VTS

Column phase: ZB-5msi

Column diameter: 0.25

3 Phenol

Concentration: 0.04555 ug/mL



Date : 30-JUN-2022 22:38

Client ID:

Instrument: nt10.i

Sample Info: 22F0267-16

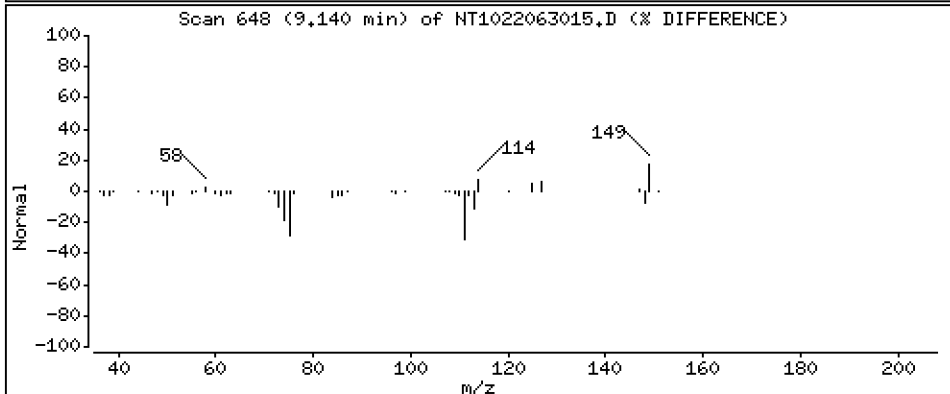
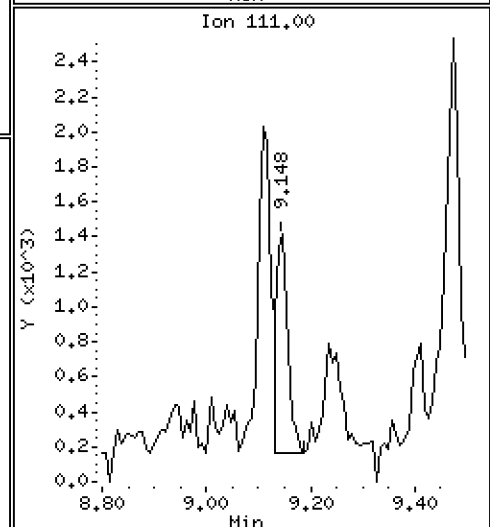
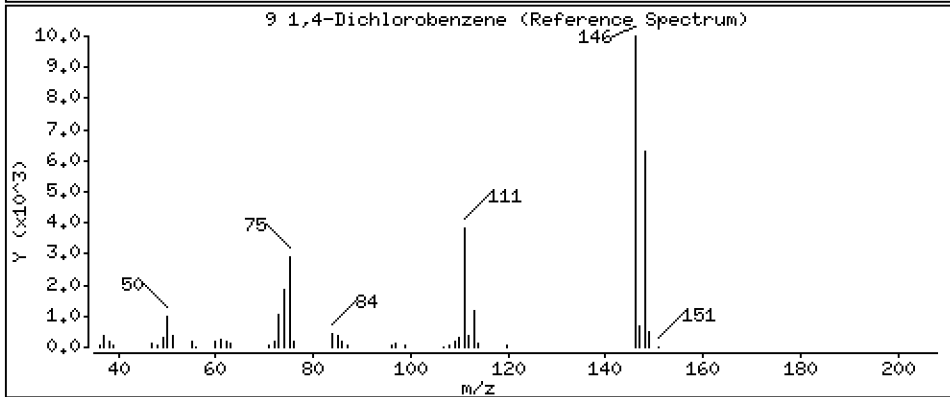
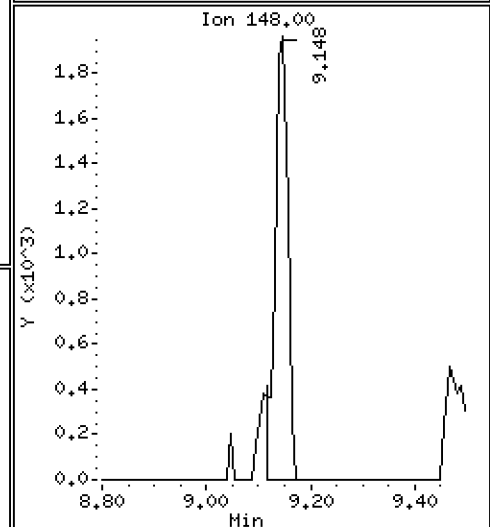
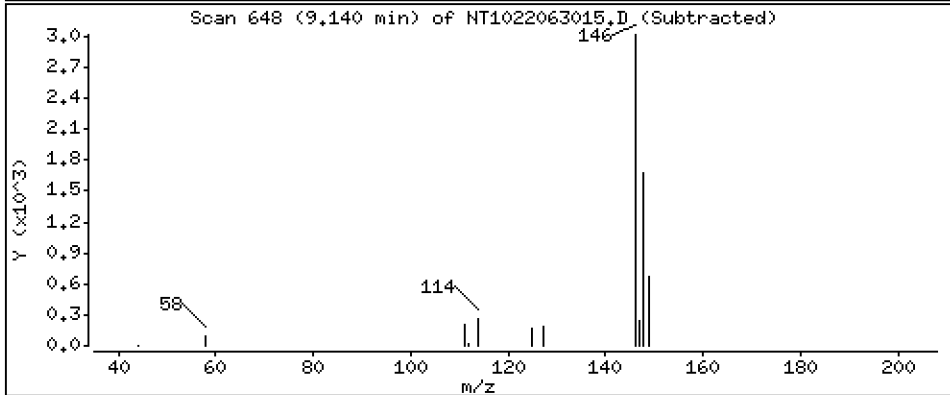
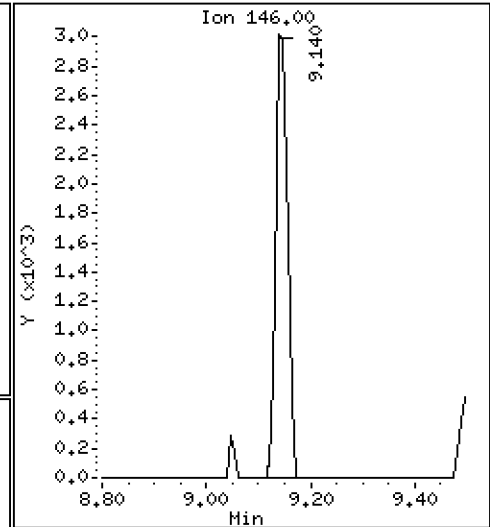
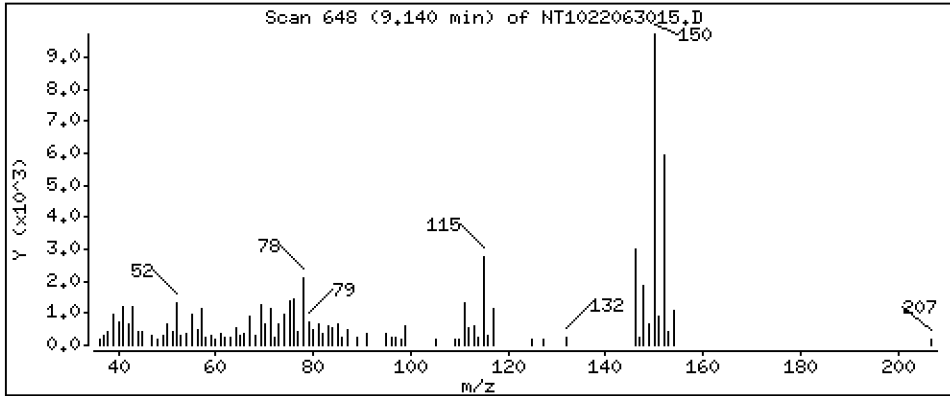
Operator: VTS

Column phase: ZB-5msi

Column diameter: 0,25

9 1,4-Dichlorobenzene

Concentration: 0,05070 ug/mL



Date : 30-JUN-2022 22:38

Client ID:

Instrument: nt10.i

Sample Info: 22F0267-16

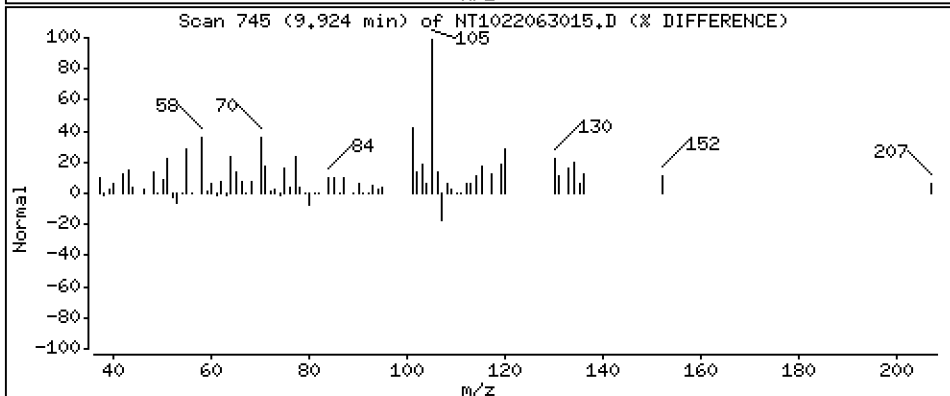
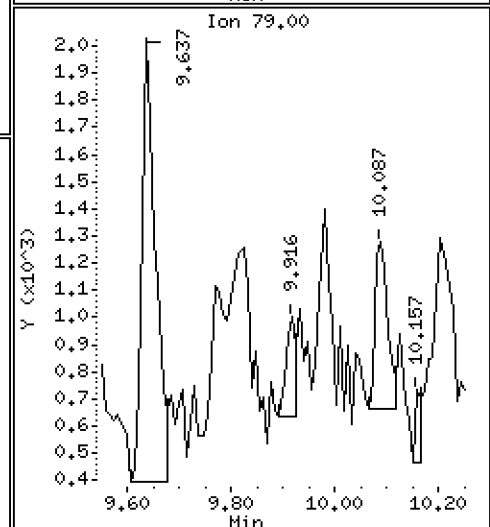
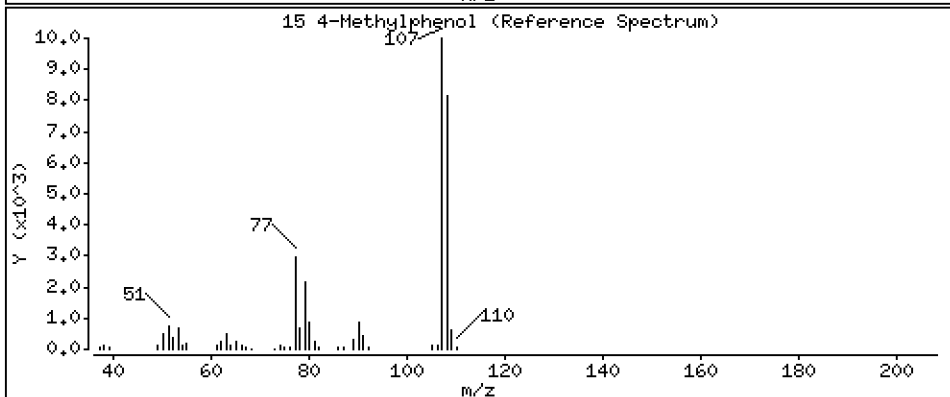
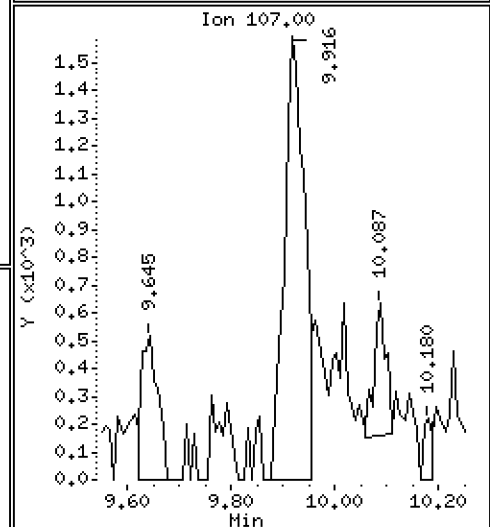
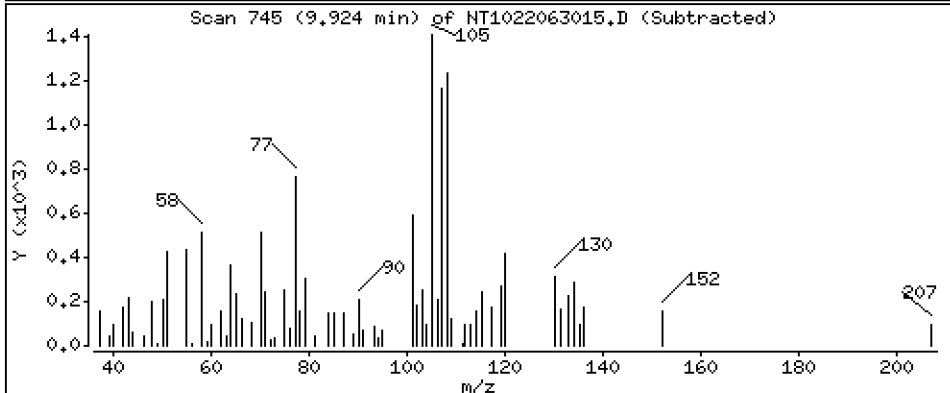
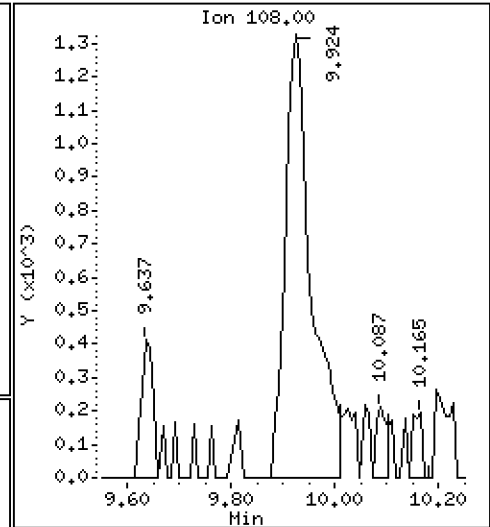
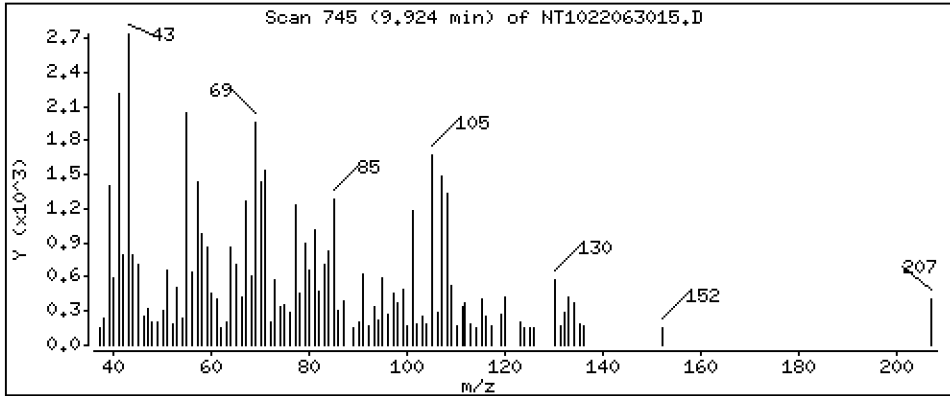
Operator: VTS

Column phase: ZB-5msi

Column diameter: 0.25

15 4-Methylphenol

Concentration: 0.05514 ug/mL



Date : 30-JUN-2022 22:38

Client ID:

Instrument: nt10.i

Sample Info: 22F0267-16

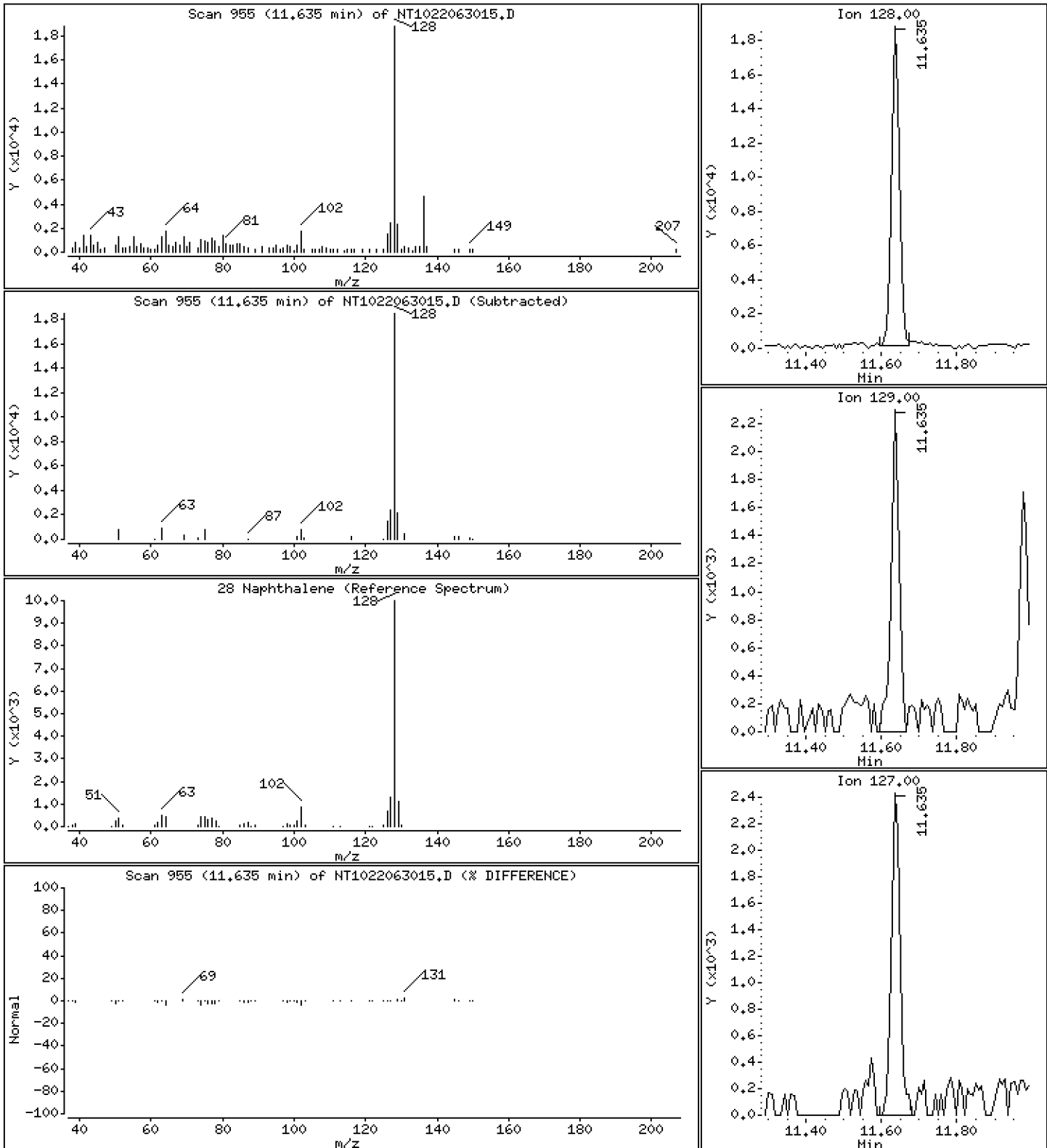
Operator: VTS

Column phase: ZB-5msi

Column diameter: 0.25

28 Naphthalene

Concentration: 0.1149 ug/mL



Date : 30-JUN-2022 22:38

Client ID:

Instrument: nt10.i

Sample Info: 22F0267-16

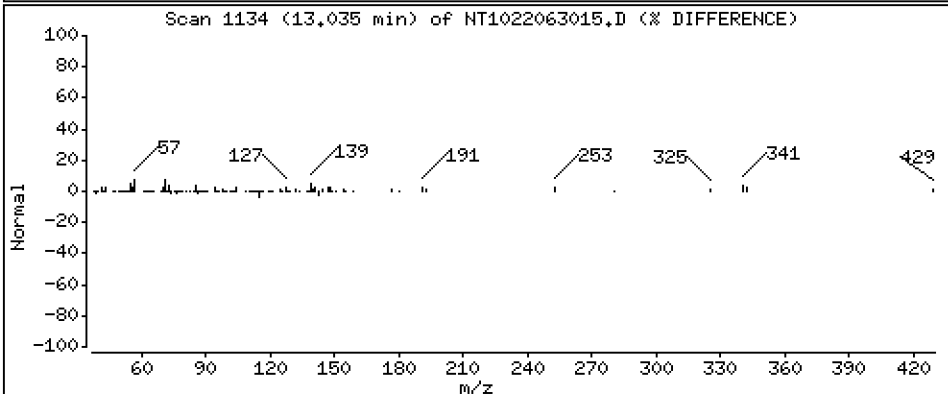
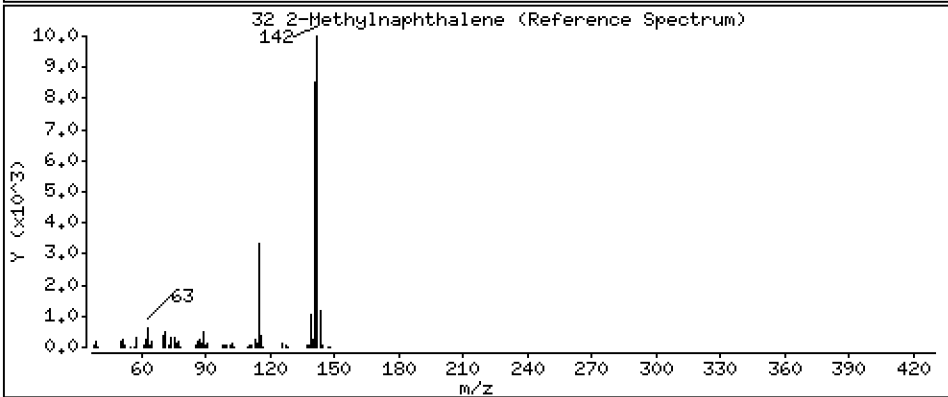
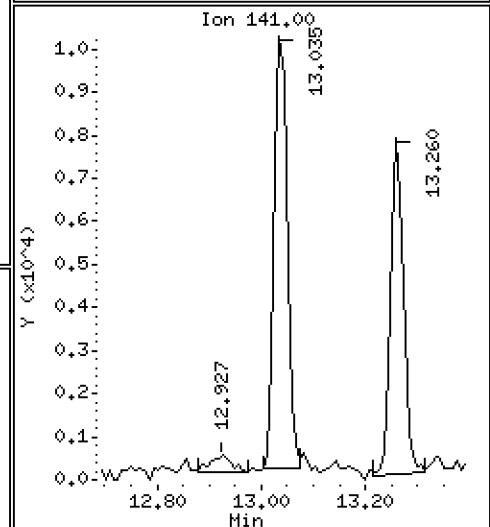
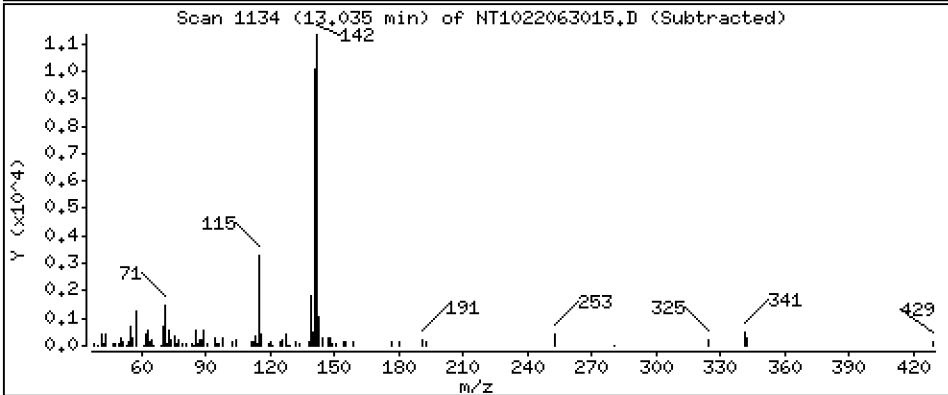
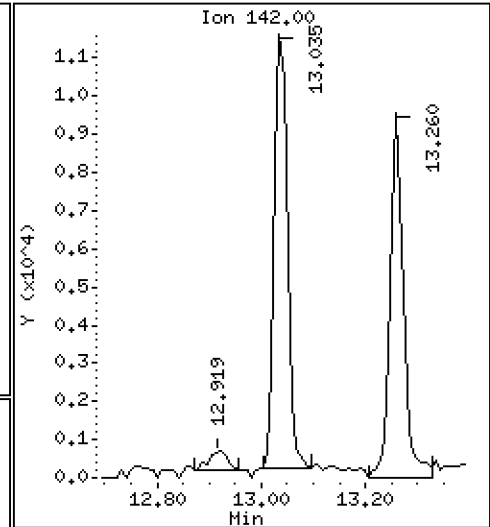
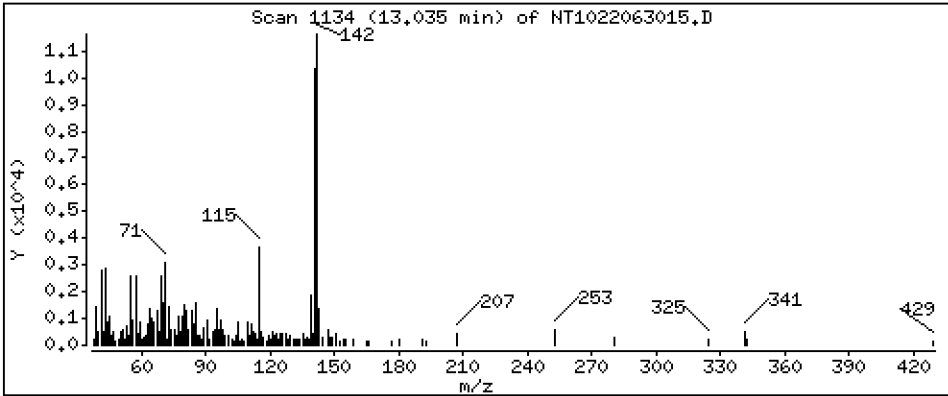
Operator: VTS

Column phase: ZB-5msi

Column diameter: 0.25

32 2-Methylnaphthalene

Concentration: 0.07857 ug/mL



Date : 30-JUN-2022 22:38

Client ID:

Instrument: nt10.i

Sample Info: 22F0267-16

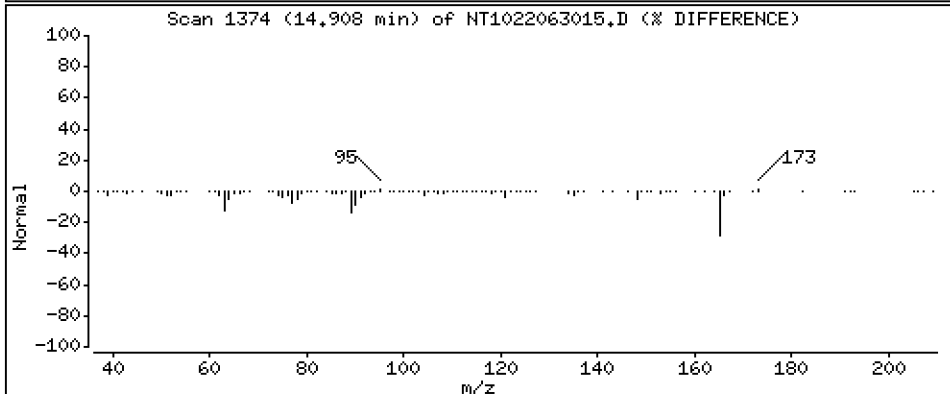
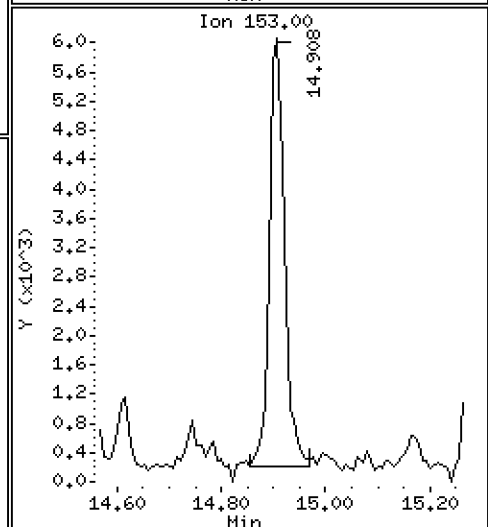
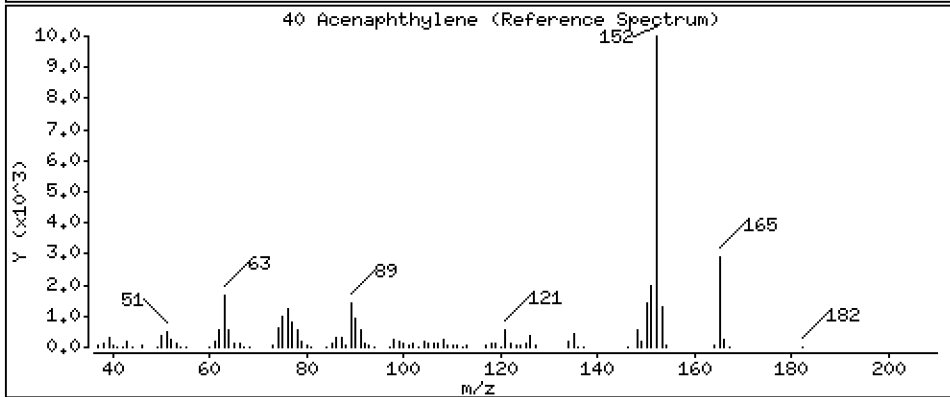
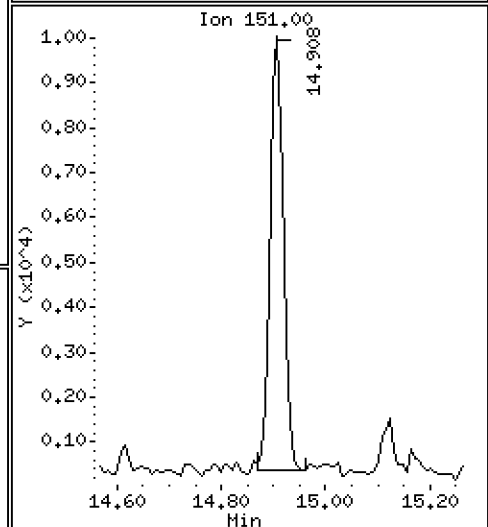
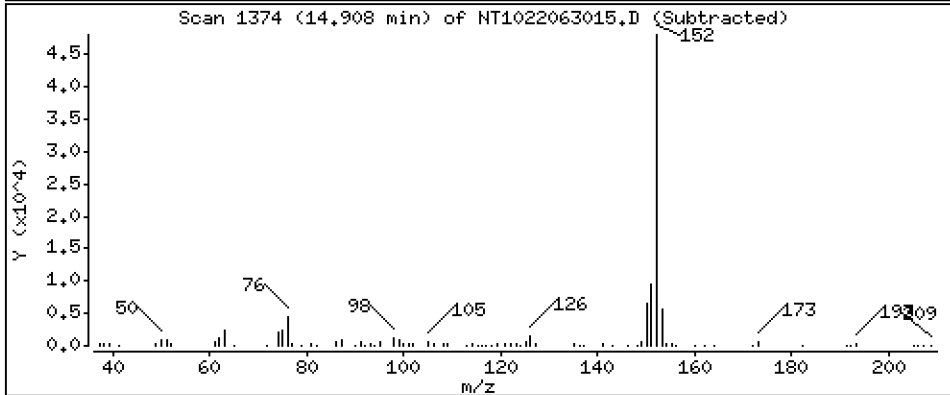
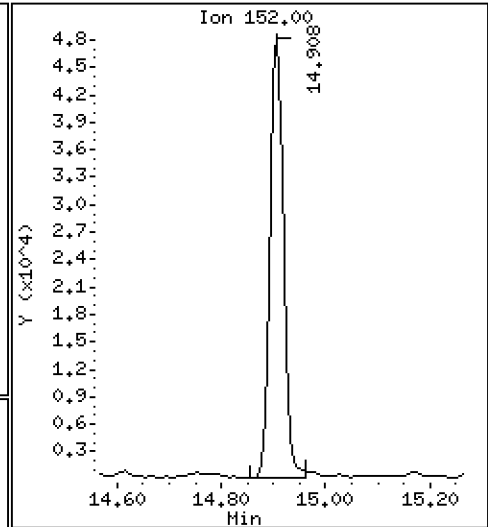
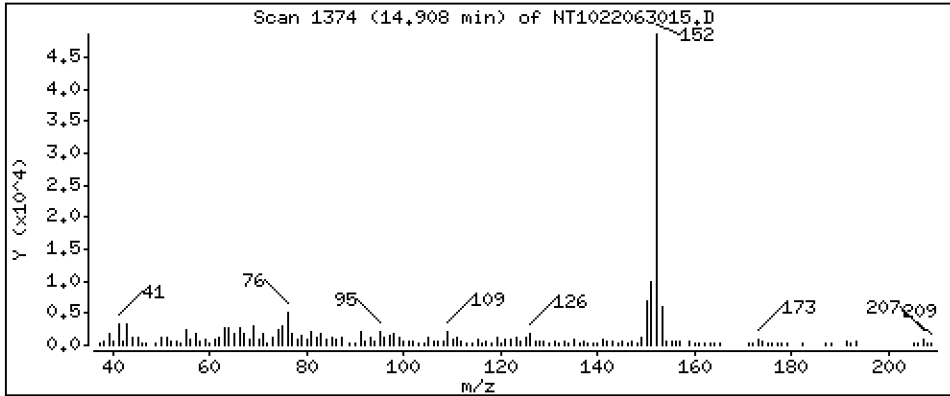
Operator: VTS

Column phase: ZB-5msi

Column diameter: 0.25

40 Acenaphthylene

Concentration: 0.2883 ug/mL



Date : 30-JUN-2022 22:38

Client ID:

Instrument: nt10.i

Sample Info: 22F0267-16

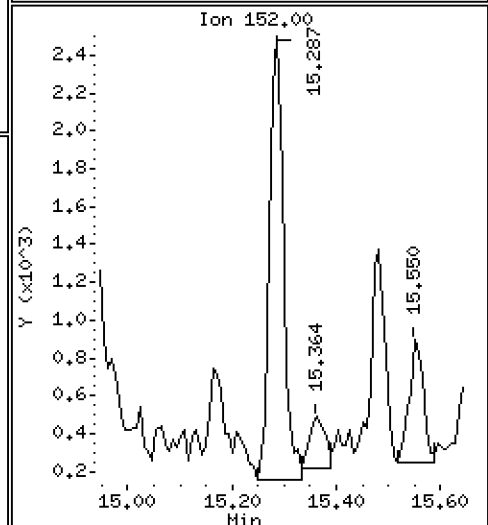
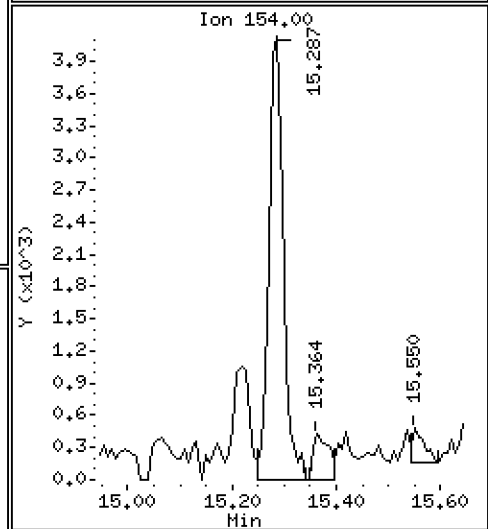
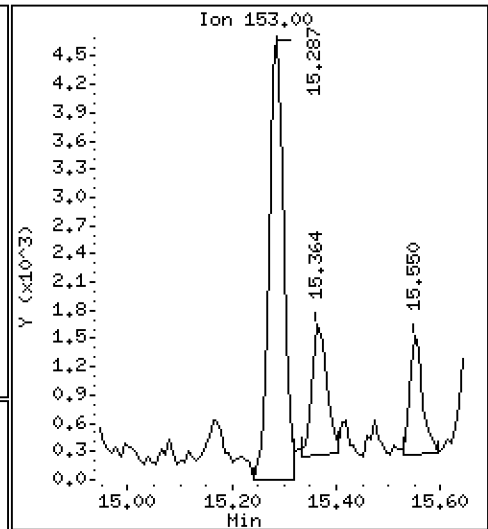
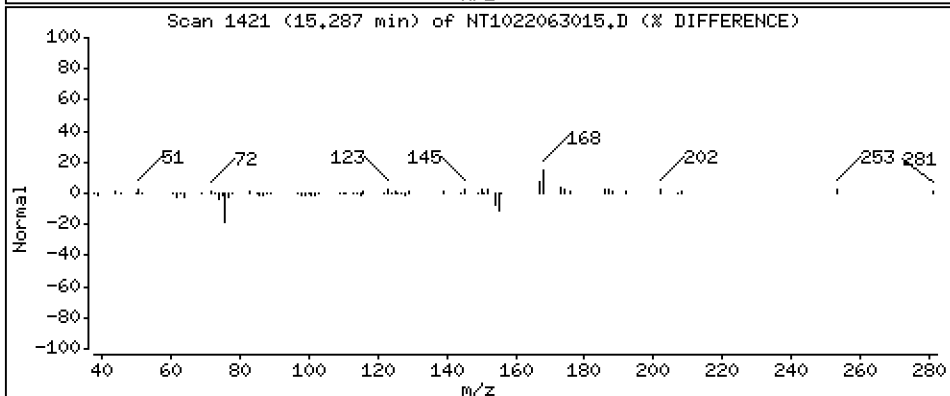
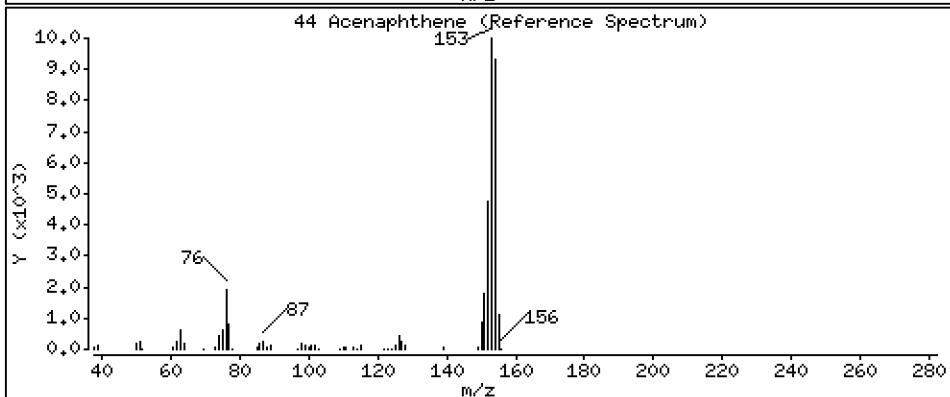
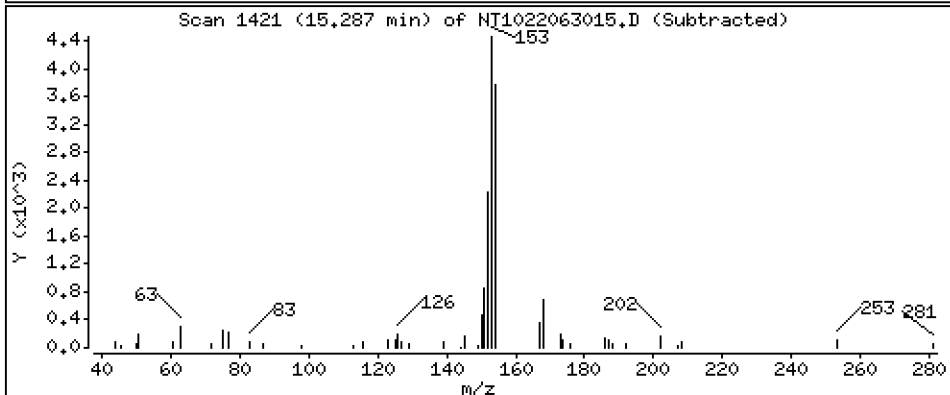
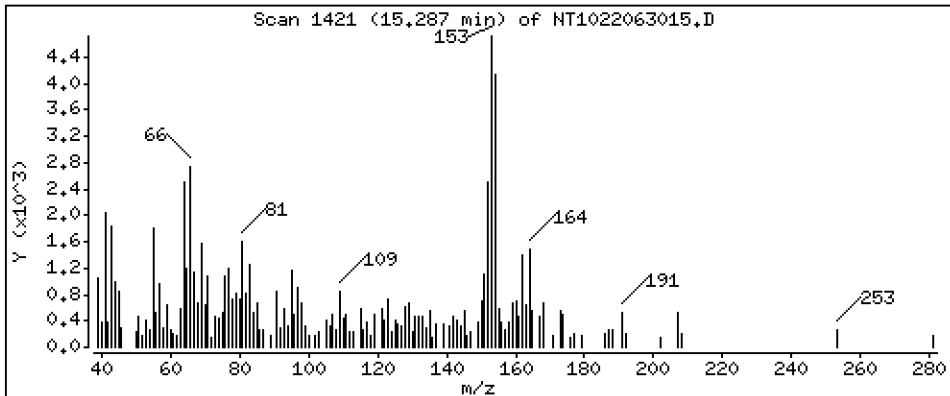
Operator: VTS

Column phase: ZB-5msi

Column diameter: 0.25

44 Acenaphthene

Concentration: 0.06158 ug/mL



Date : 30-JUN-2022 22:38

Client ID:

Instrument: nt10.i

Sample Info: 22F0267-16

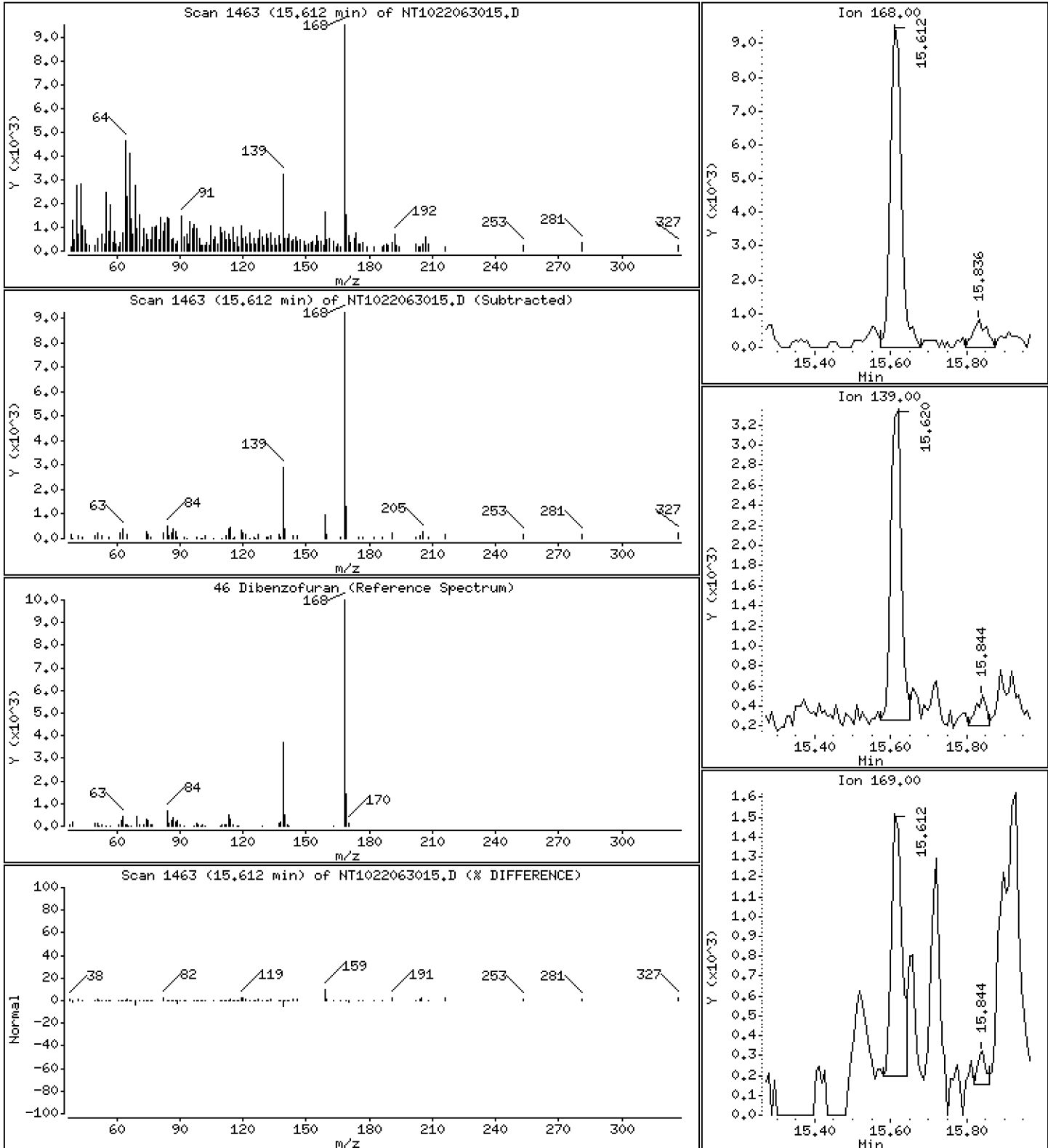
Operator: VTS

Column phase: ZB-5msi

Column diameter: 0,25

46 Dibenzofuran

Concentration: 0,08112 ug/mL



Date : 30-JUN-2022 22:38

Client ID:

Instrument: nt10.i

Sample Info: 22F0267-16

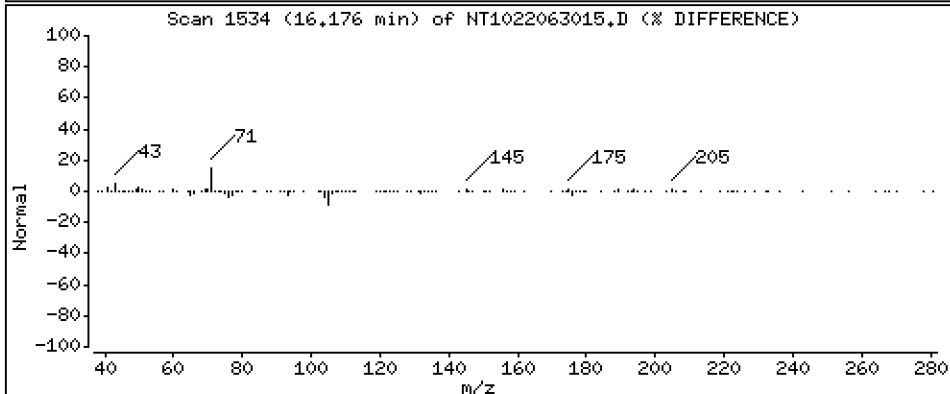
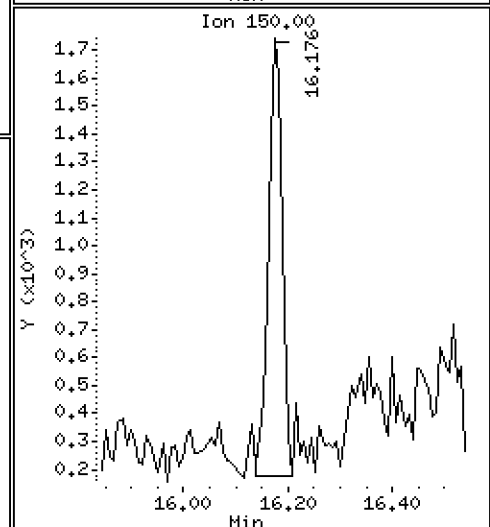
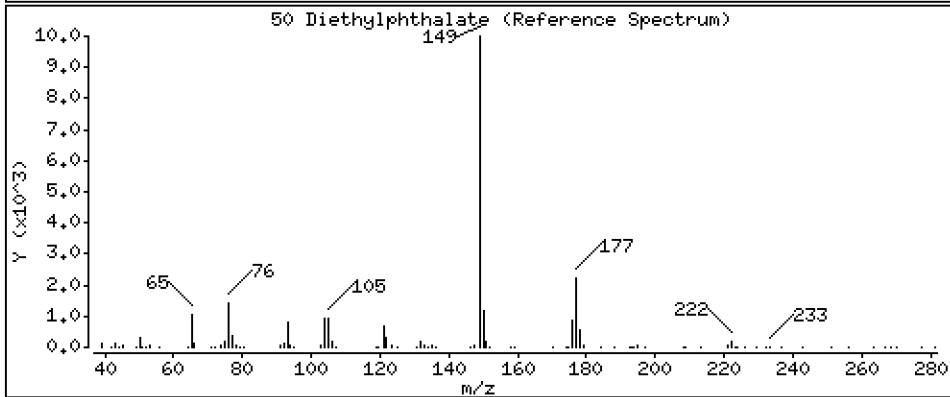
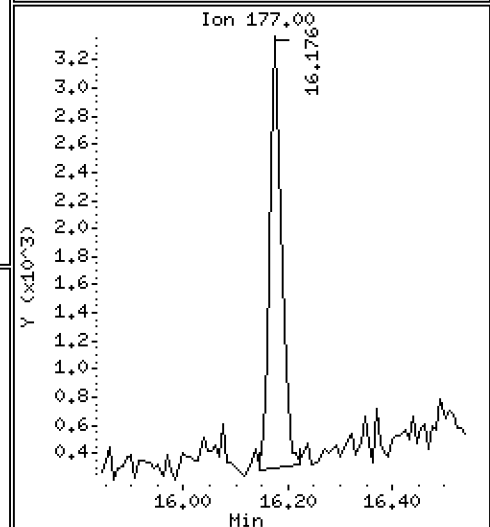
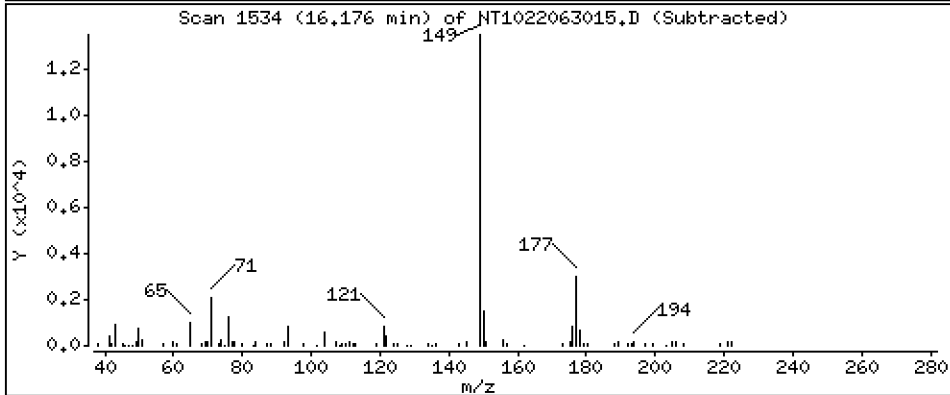
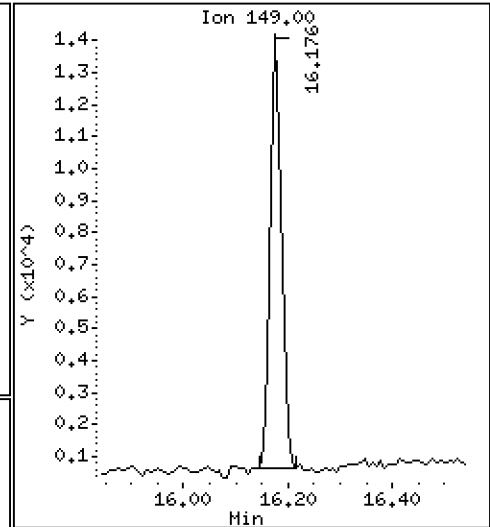
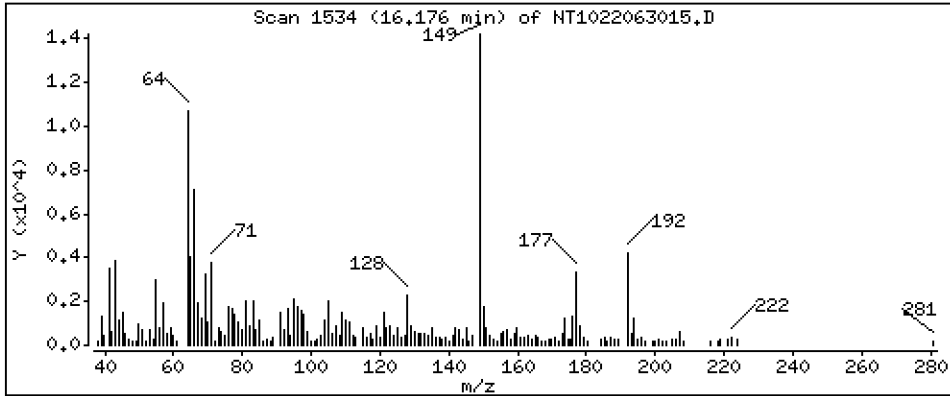
Operator: VTS

Column phase: ZB-5msi

Column diameter: 0.25

50 Diethylphthalate

Concentration: 0.1356 ug/mL



Date : 30-JUN-2022 22:38

Client ID:

Instrument: nt10.i

Sample Info: 22F0267-16

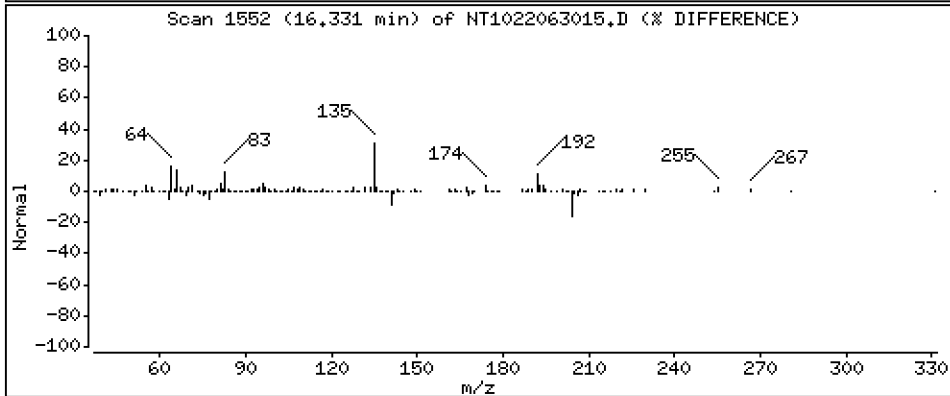
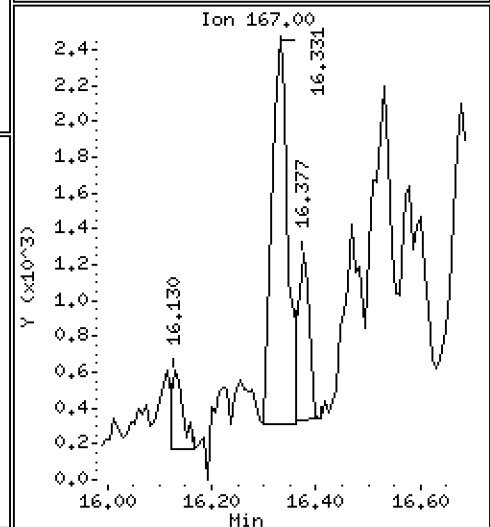
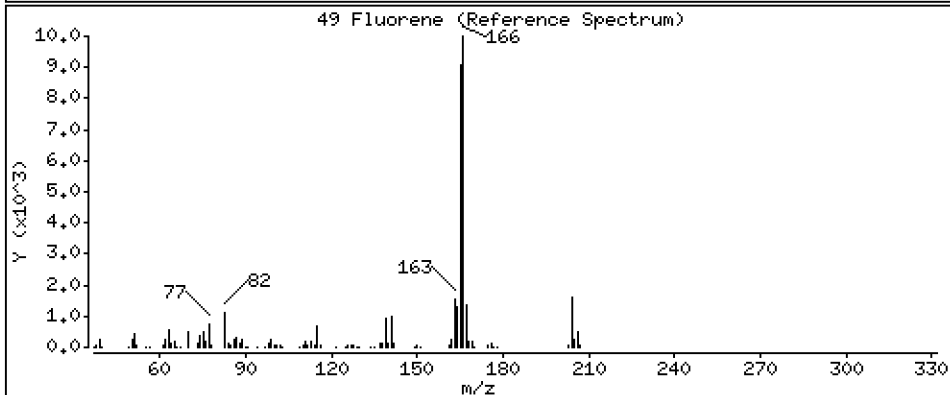
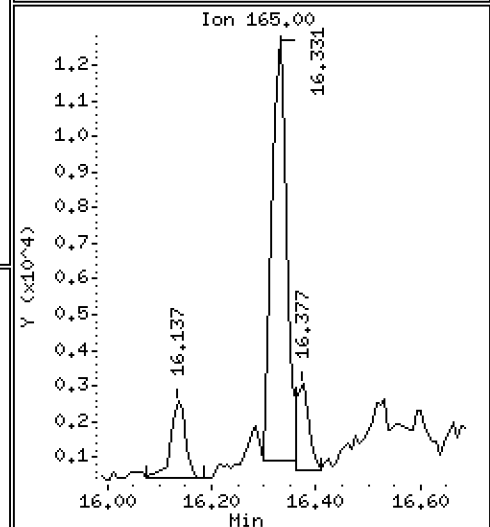
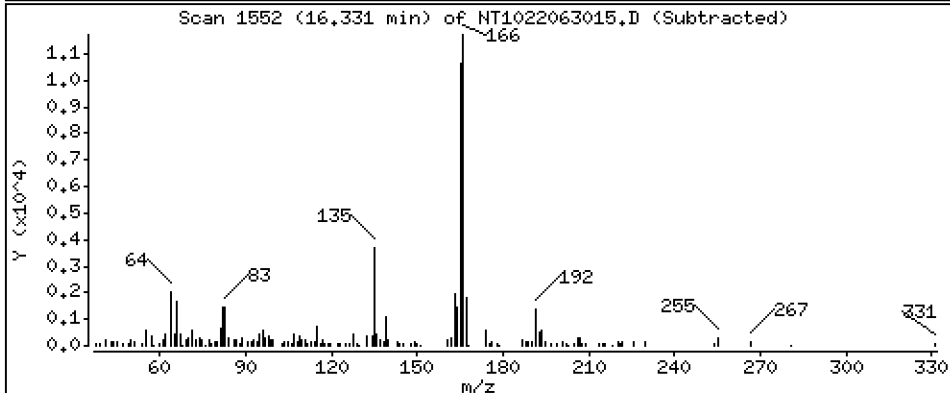
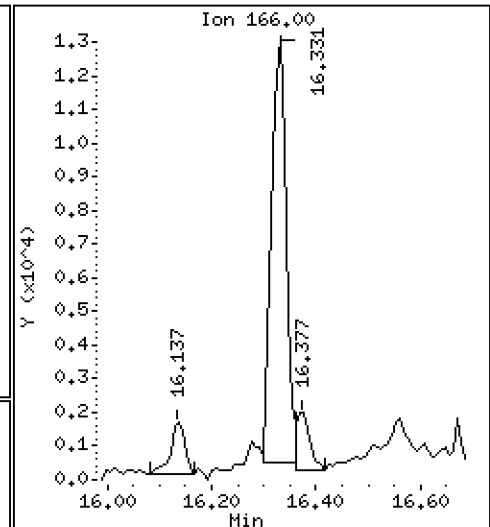
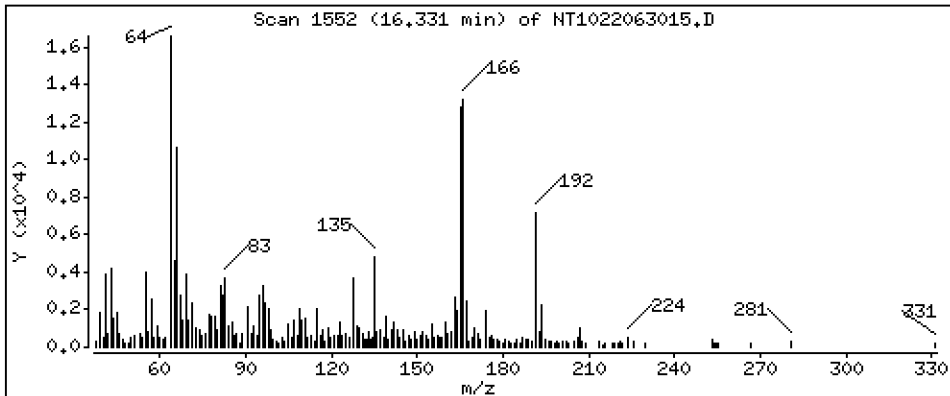
Operator: VTS

Column phase: ZB-5msi

Column diameter: 0.25

49 Fluorene

Concentration: 0.09237 ug/mL



Date : 30-JUN-2022 22:38

Client ID:

Instrument: nt10.i

Sample Info: 22F0267-16

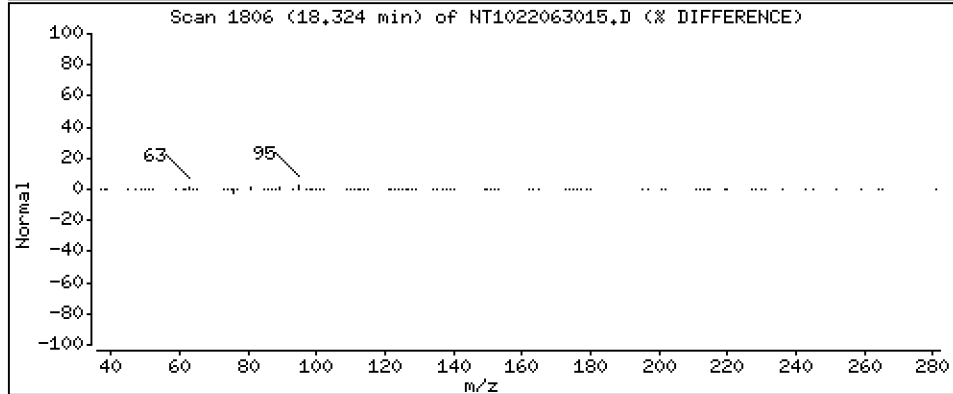
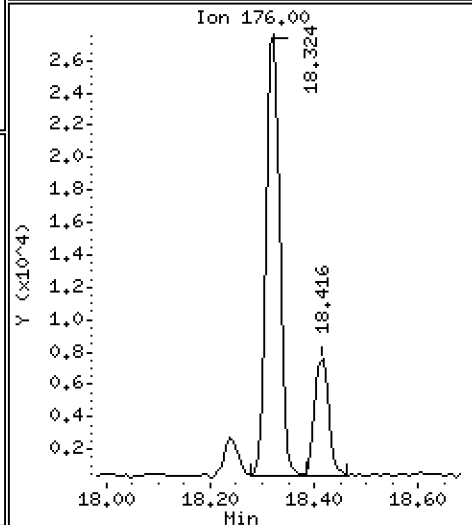
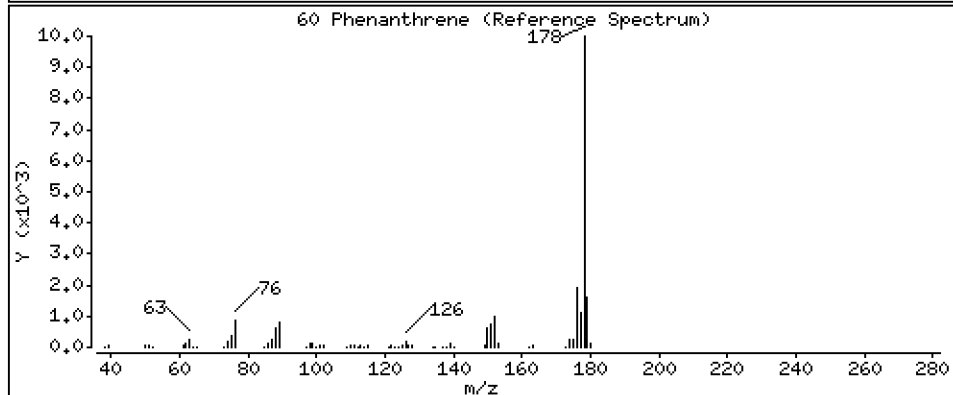
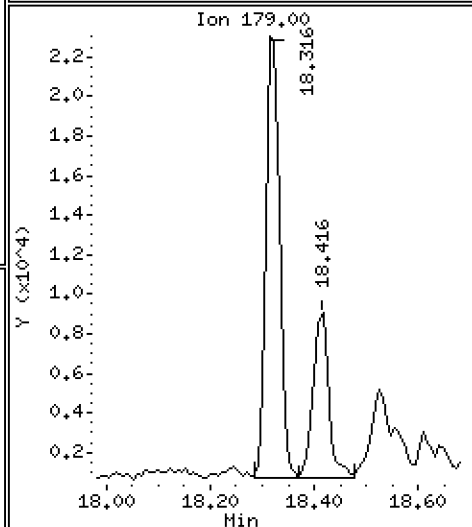
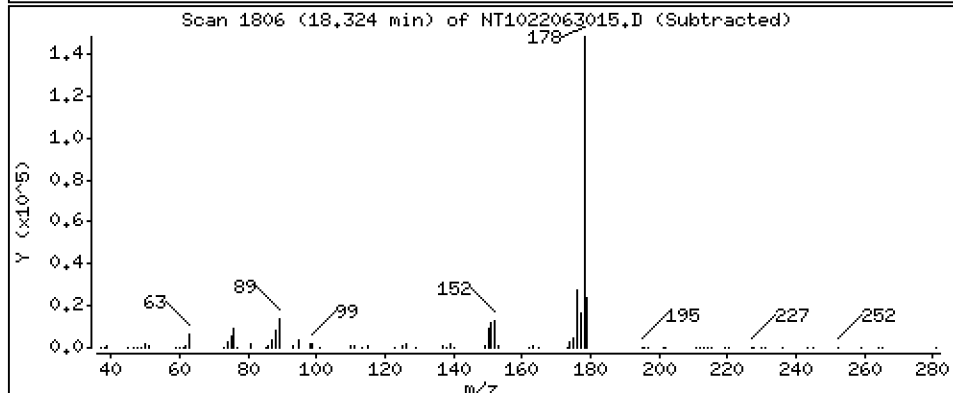
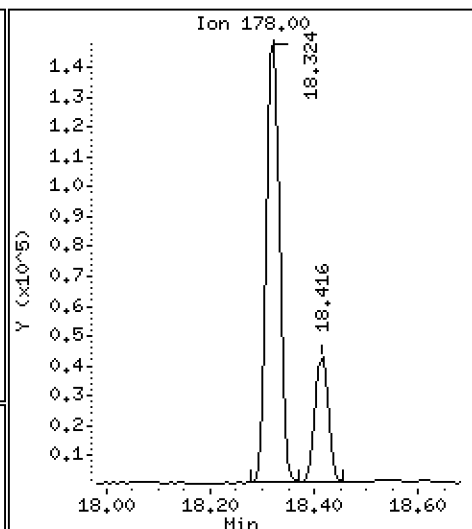
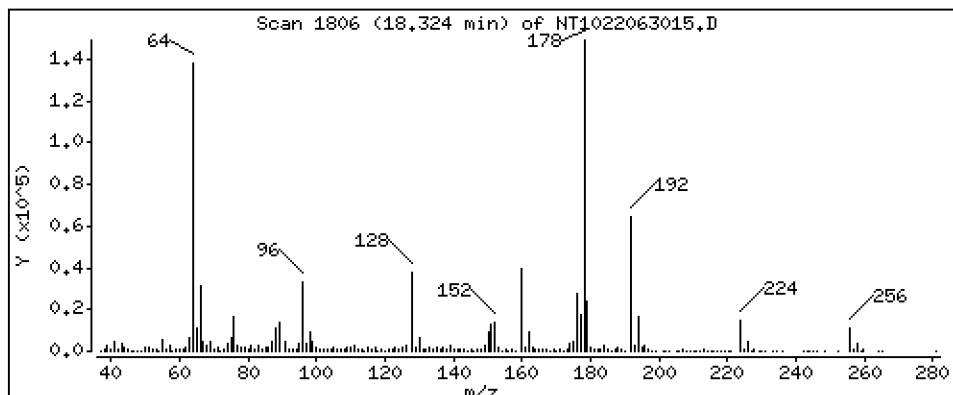
Operator: VTS

Column phase: ZB-5msi

Column diameter: 0,25

60 Phenanthrene

Concentration: 1,236 ug/mL



Date : 30-JUN-2022 22:38

Client ID:

Instrument: nt10.i

Sample Info: 22F0267-16

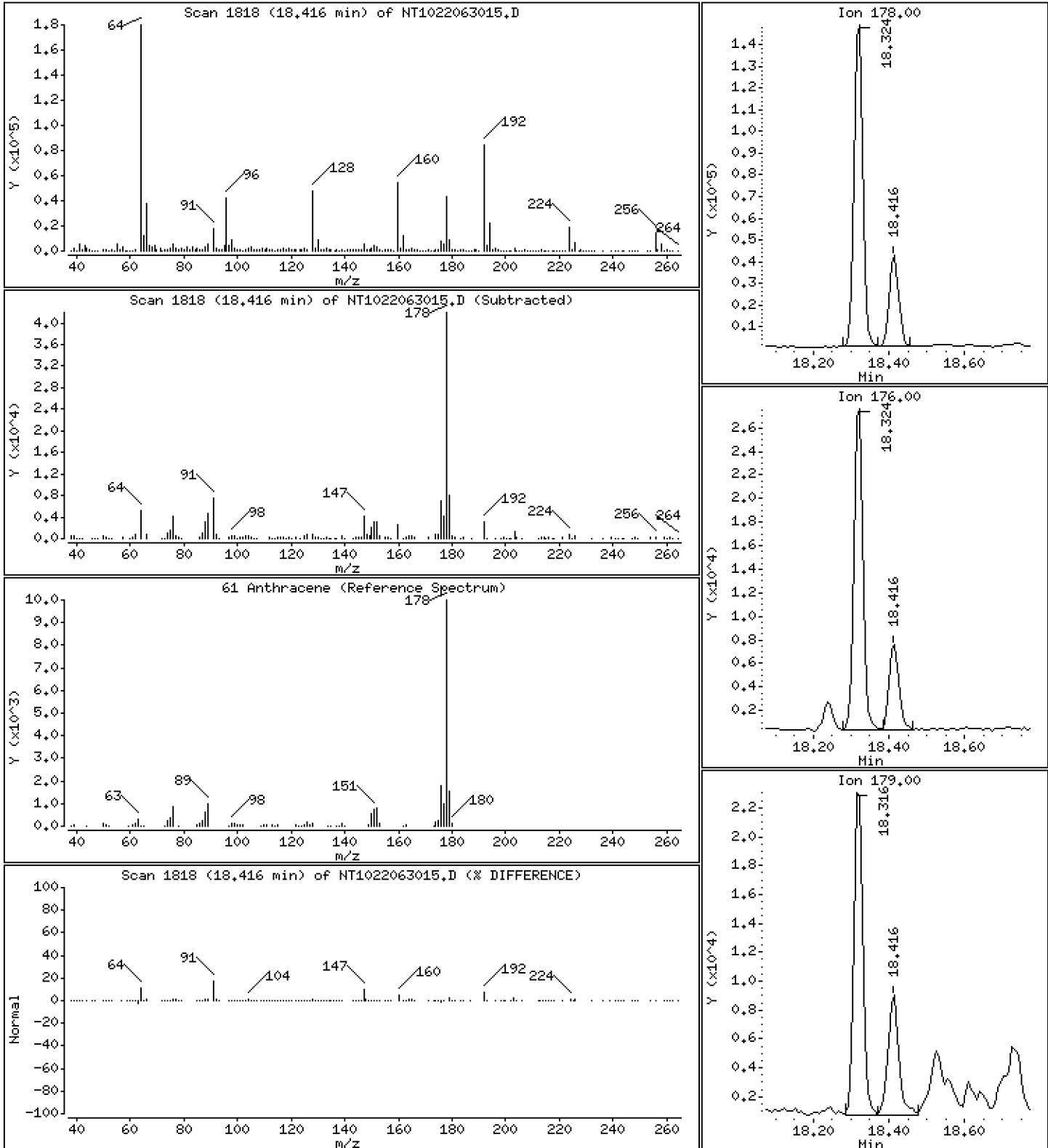
Operator: VTS

Column phase: ZB-5msi

Column diameter: 0,25

61 Anthracene

Concentration: 0,3329 ug/mL



Date : 30-JUN-2022 22:38

Client ID:

Instrument: nt10.i

Sample Info: 22F0267-16

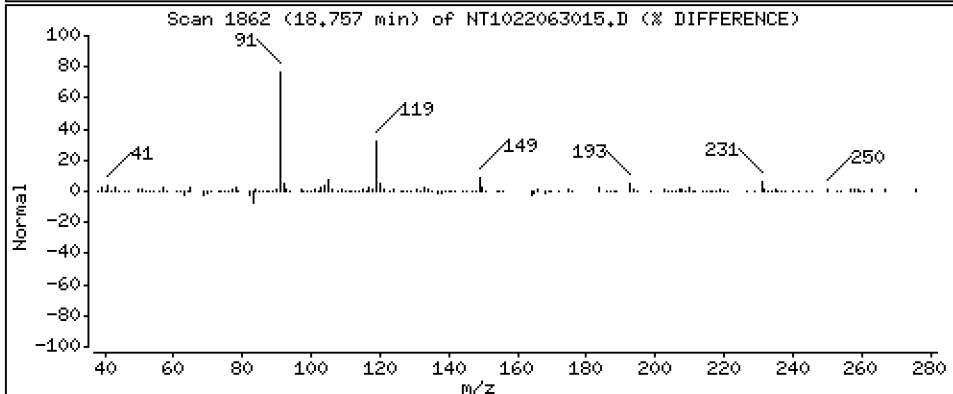
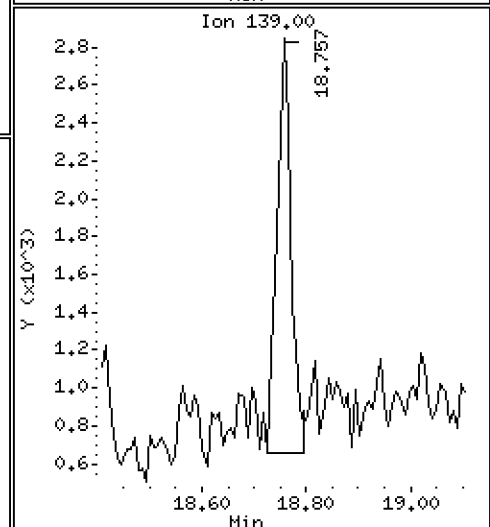
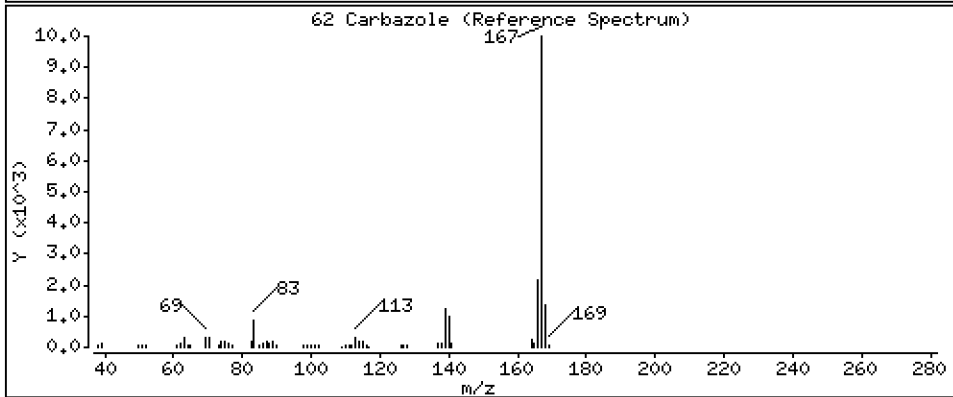
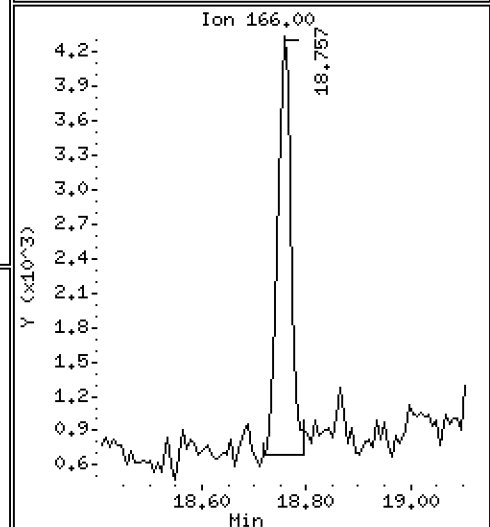
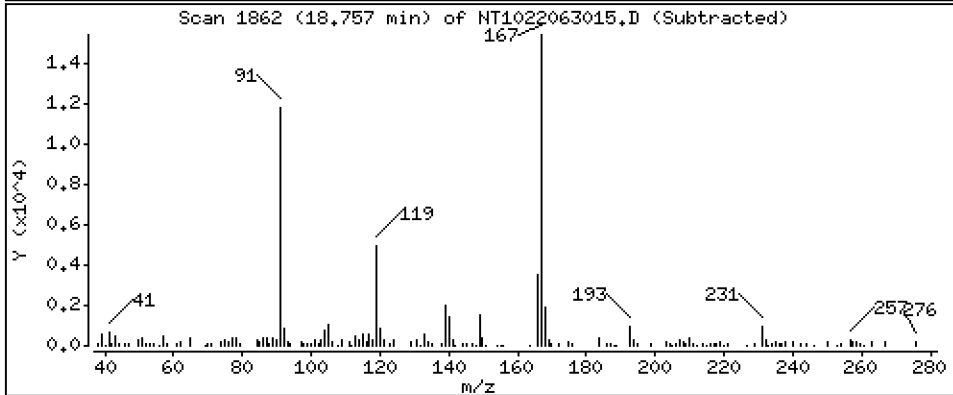
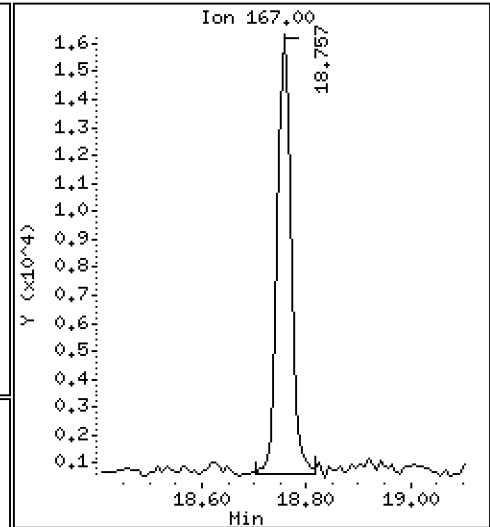
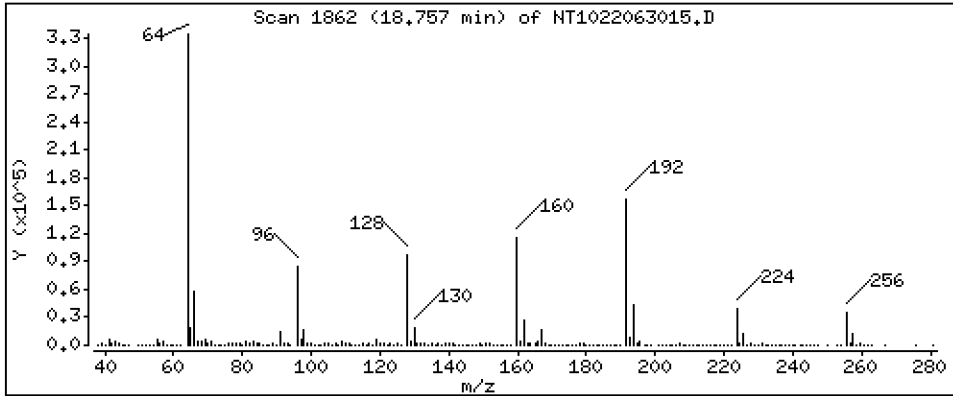
Operator: VTS

Column phase: ZB-5msi

Column diameter: 0,25

62 Carbazole

Concentration: 0,1397 ug/mL



Date : 30-JUN-2022 22:38

Client ID:

Instrument: nt10.i

Sample Info: 22F0267-16

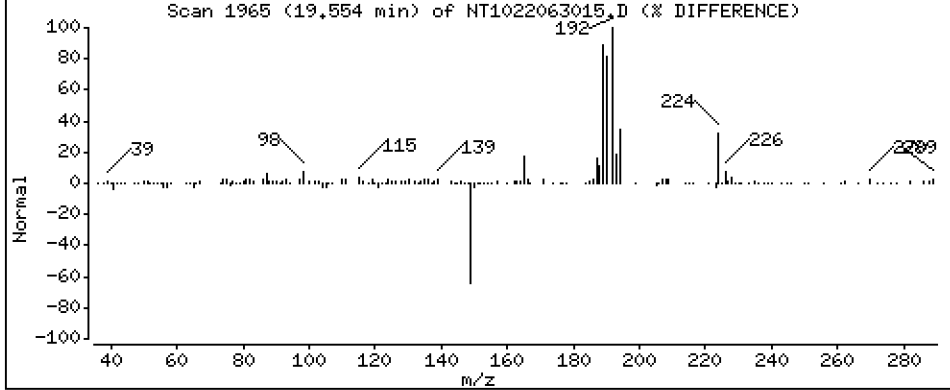
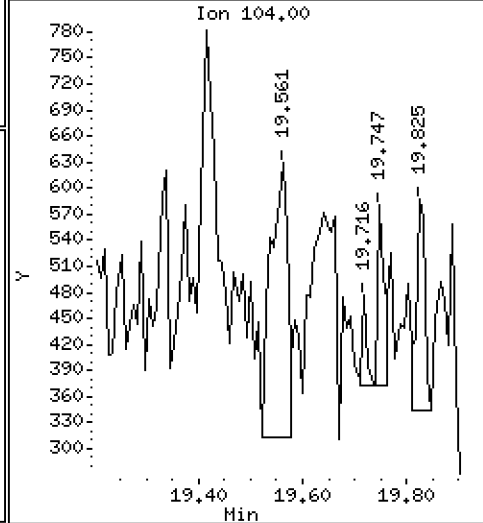
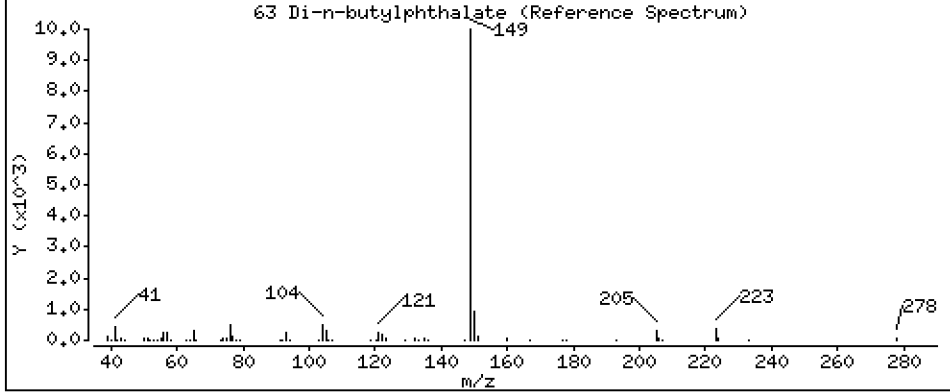
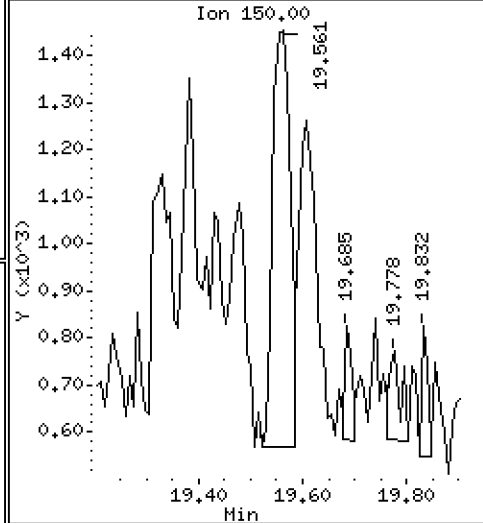
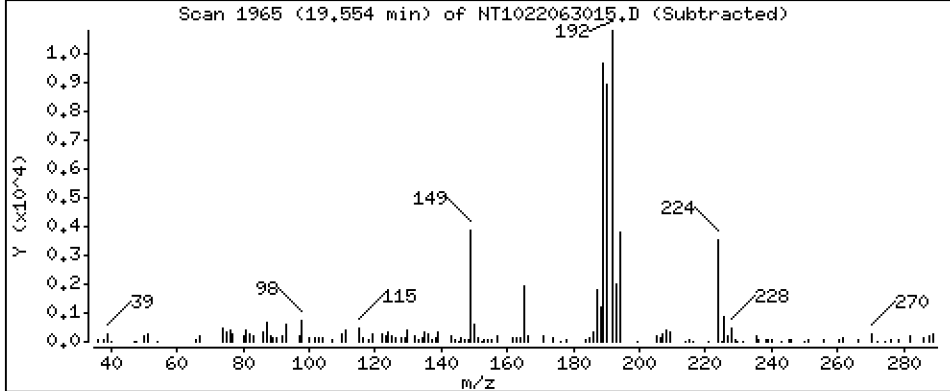
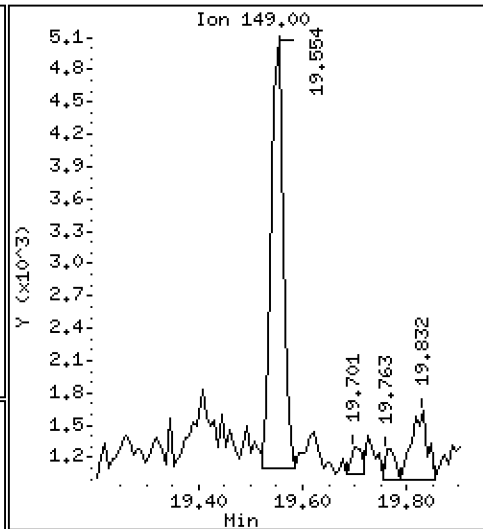
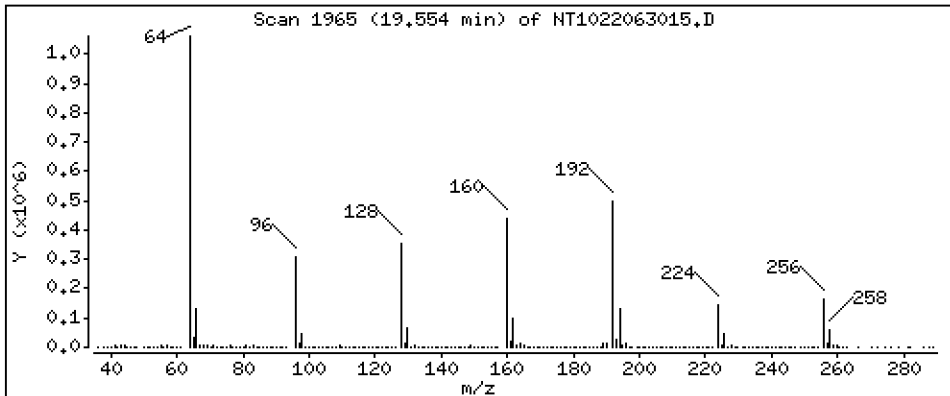
Operator: VTS

Column phase: ZB-5msi

Column diameter: 0.25

63 Di-n-butylphthalate

Concentration: 0.02024 ug/mL



Date : 30-JUN-2022 22:38

Client ID:

Instrument: nt10.i

Sample Info: 22F0267-16

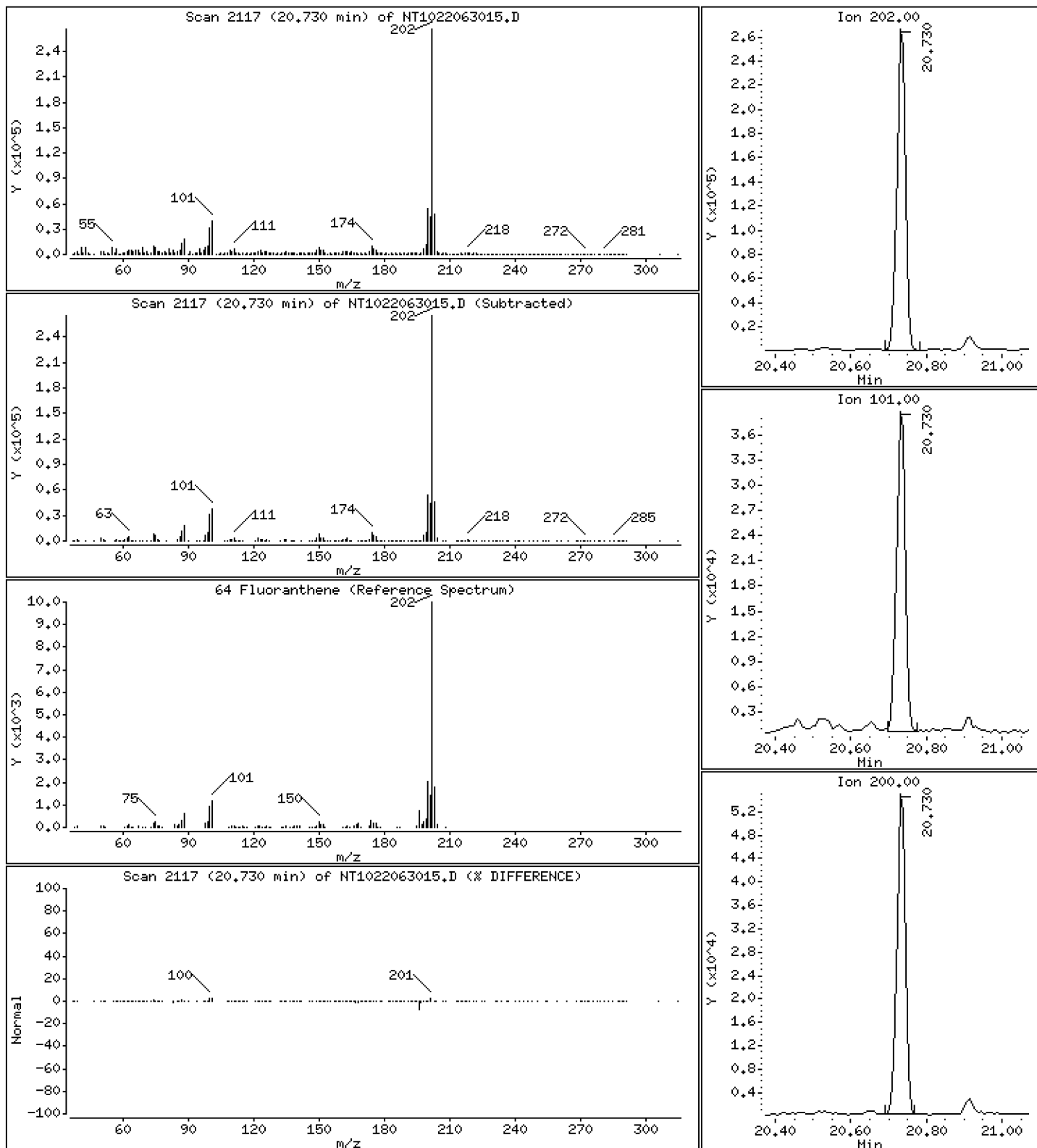
Operator: VTS

Column phase: ZB-5msi

Column diameter: 0,25

64 Fluoranthene

Concentration: 4,268 ug/mL



Date : 30-JUN-2022 22:38

Client ID:

Instrument: nt10.i

Sample Info: 22F0267-16

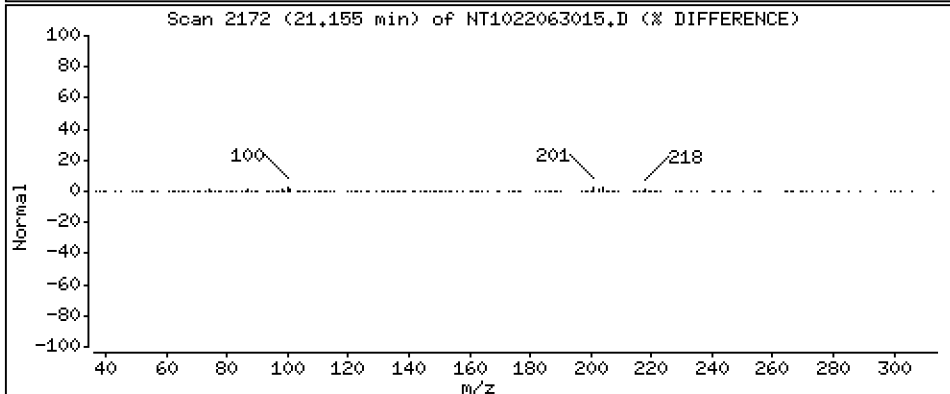
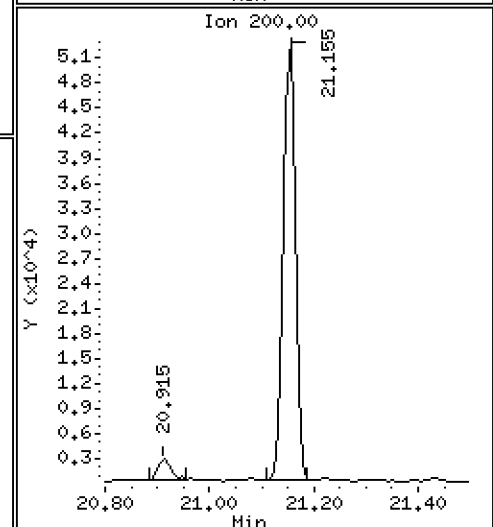
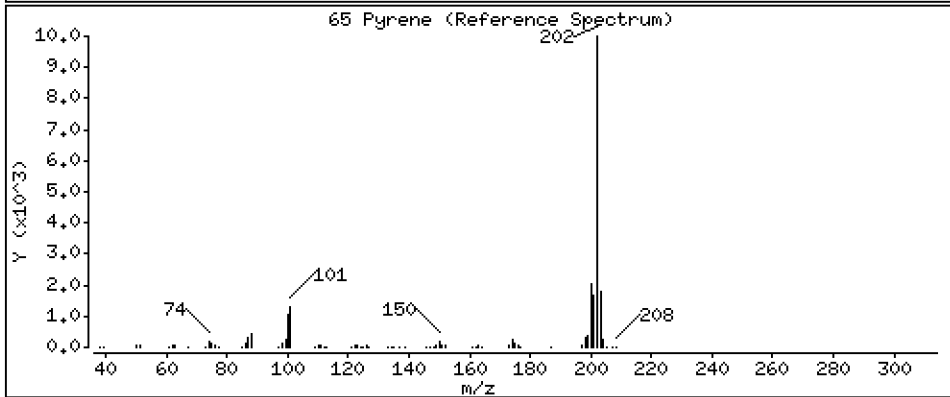
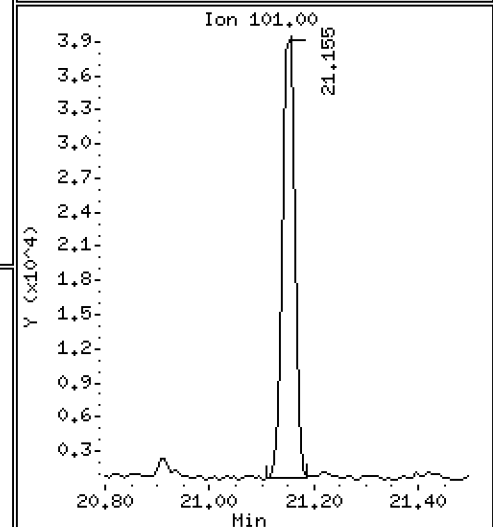
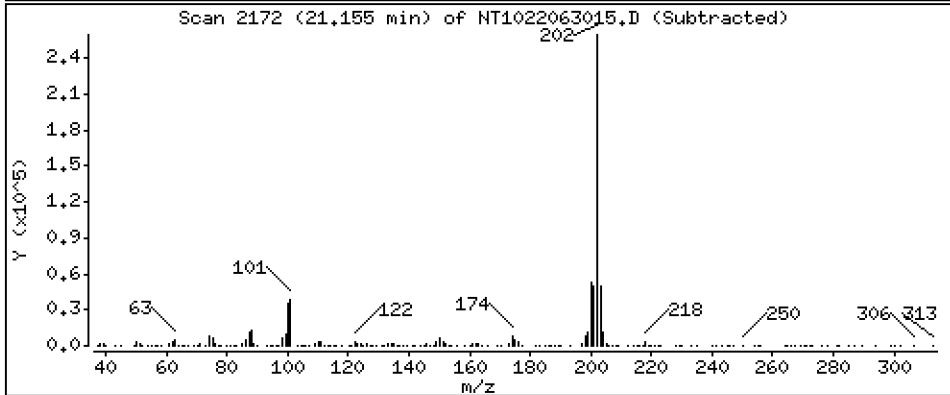
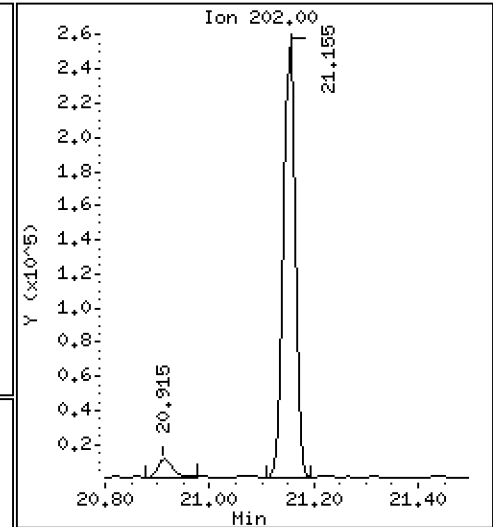
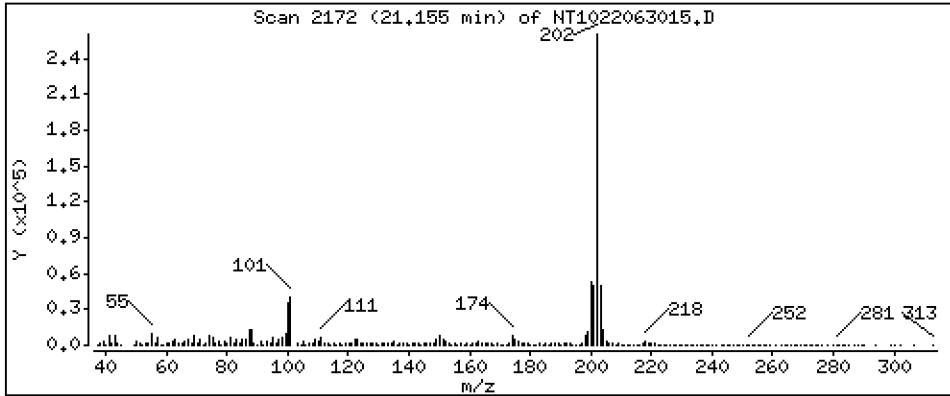
Operator: VTS

Column phase: ZB-5msi

Column diameter: 0,25

65 Pyrene

Concentration: 4,390 ug/mL



Date : 30-JUN-2022 22:38

Client ID:

Instrument: nt10.i

Sample Info: 22F0267-16

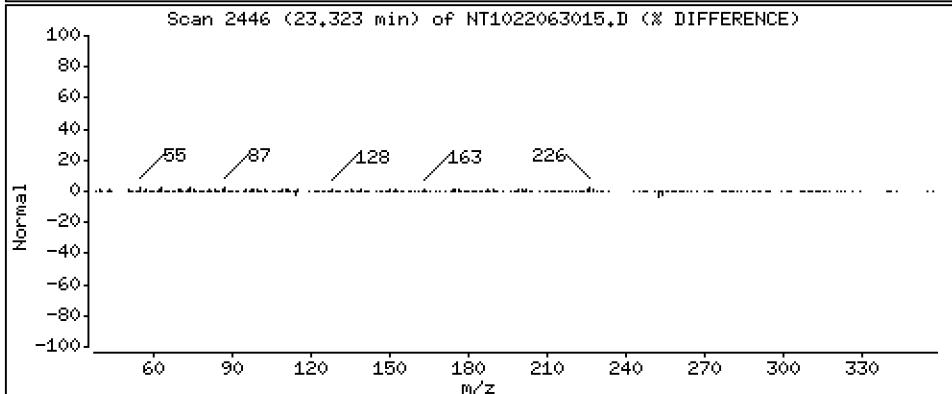
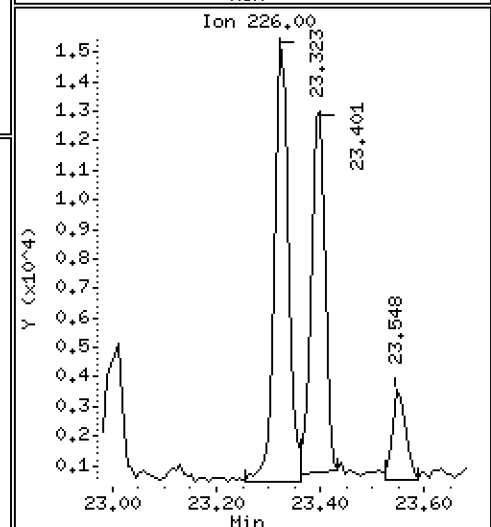
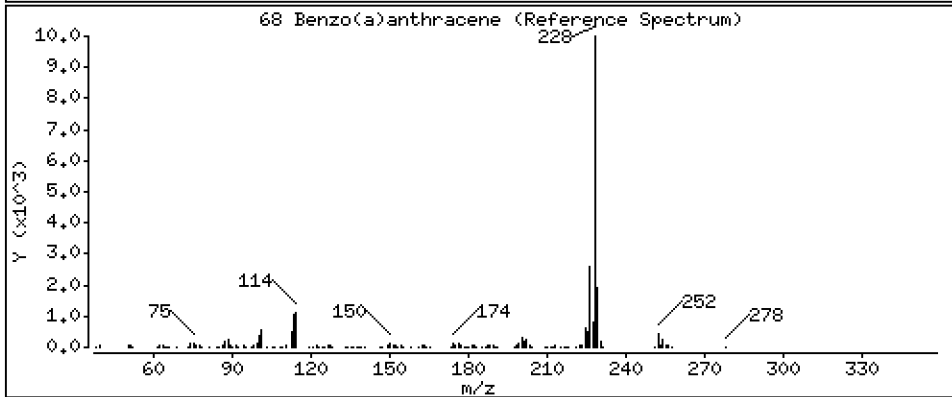
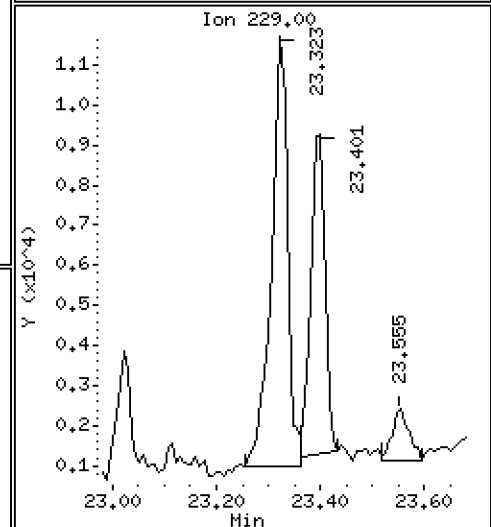
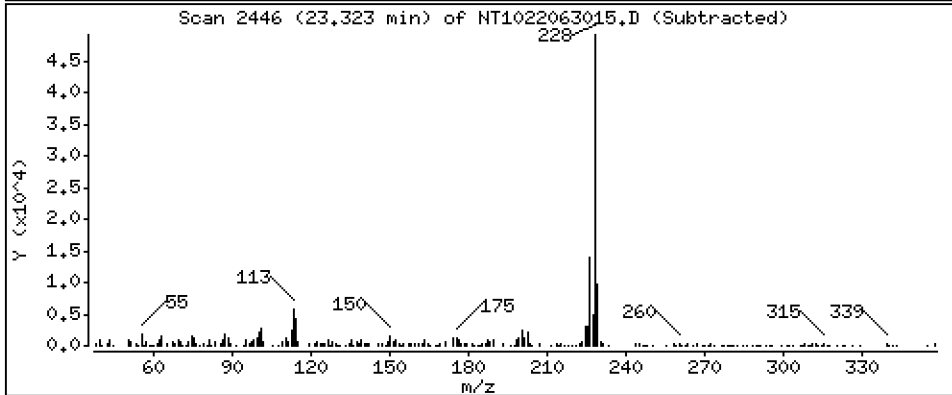
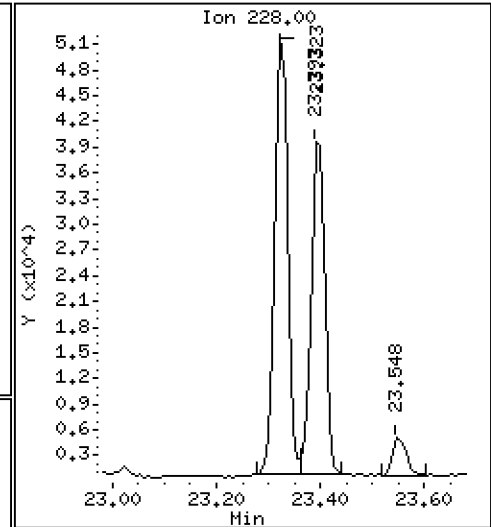
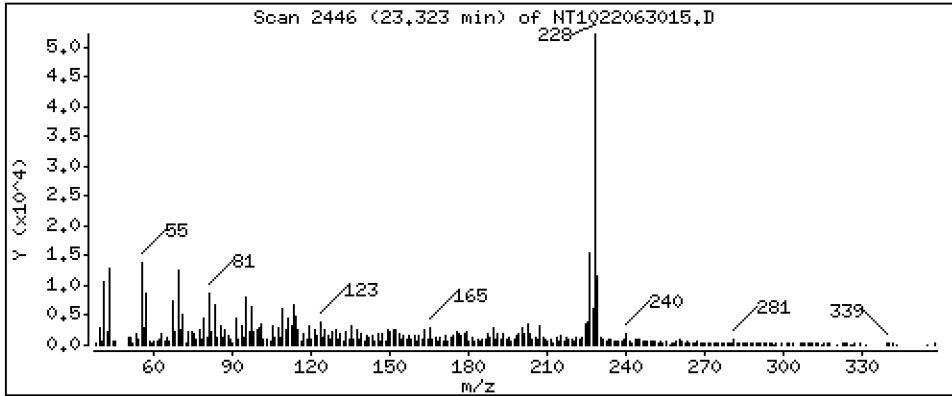
Operator: VTS

Column phase: ZB-5msi

Column diameter: 0.25

68 Benzo(a)anthracene

Concentration: 1.466 ug/mL



Date : 30-JUN-2022 22:38

Client ID:

Instrument: nt10.i

Sample Info: 22F0267-16

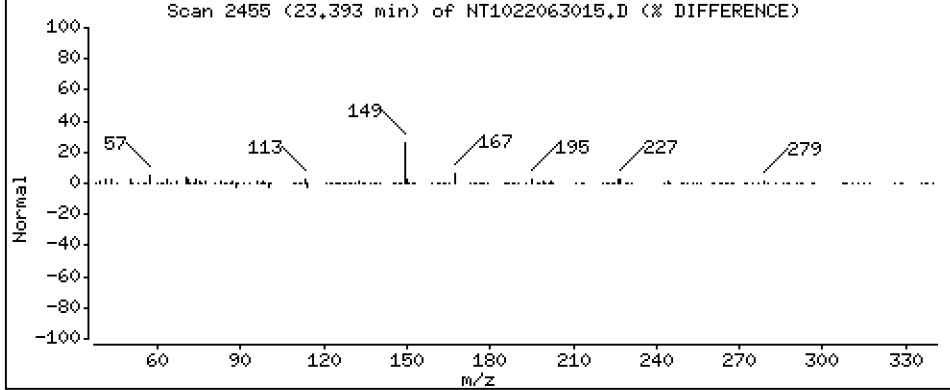
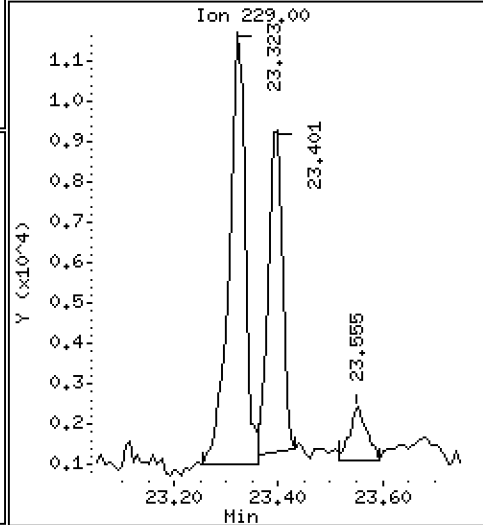
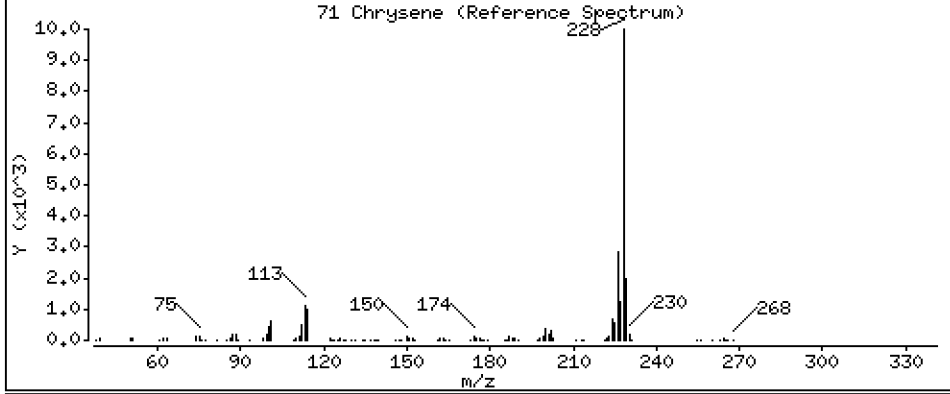
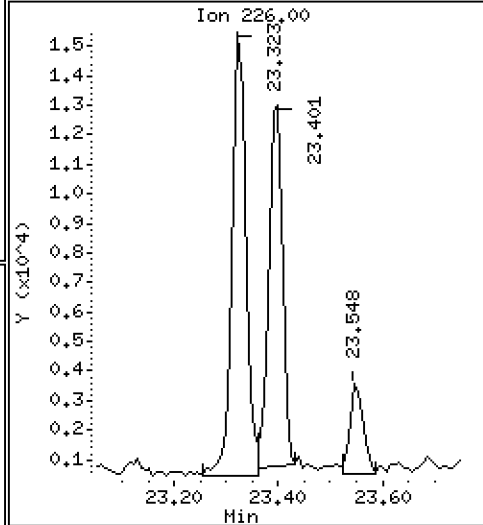
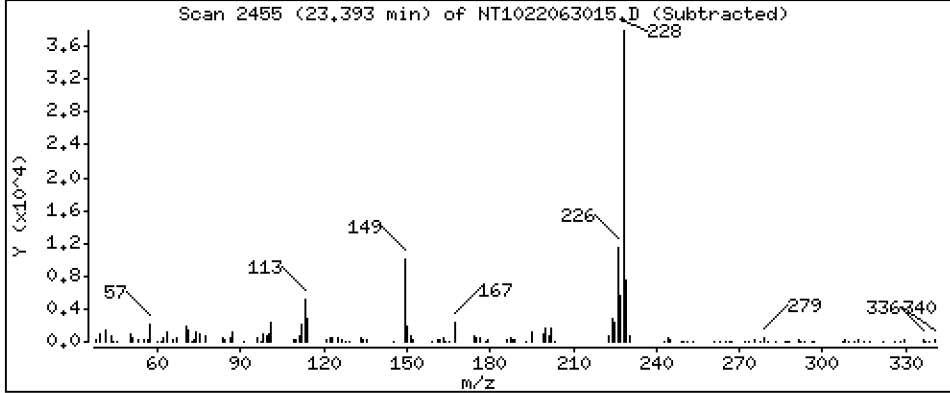
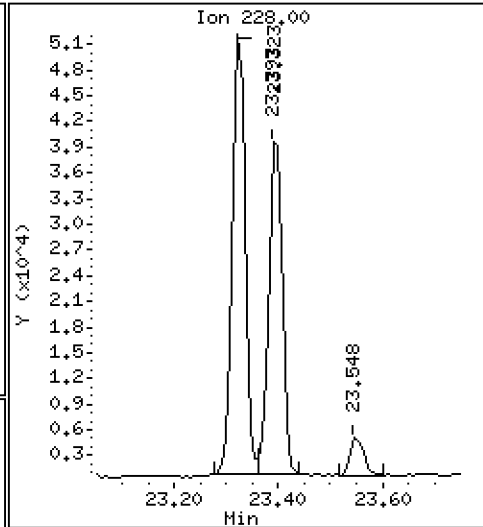
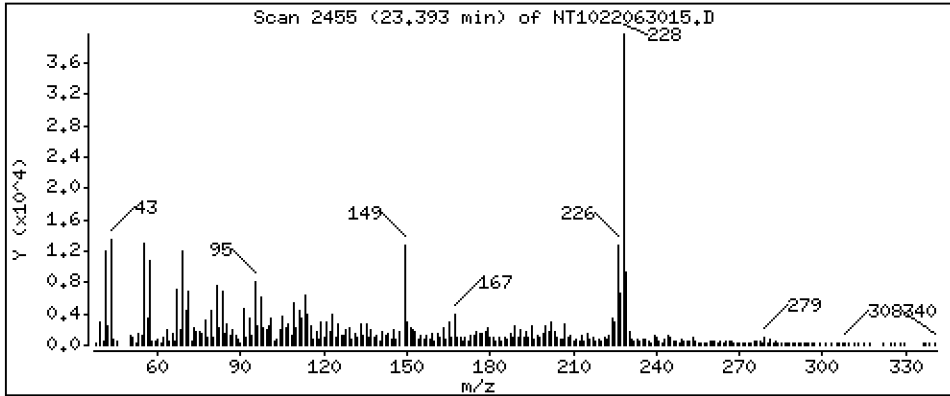
Operator: VTS

Column phase: ZB-5msi

Column diameter: 0,25

71 Chrysene

Concentration: 1,767 ug/mL



Date : 30-JUN-2022 22:38

Client ID:

Instrument: nt10.i

Sample Info: 22F0267-16

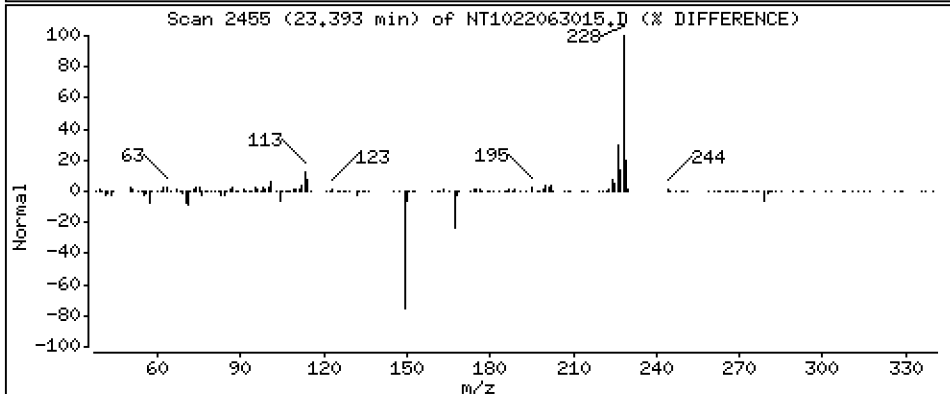
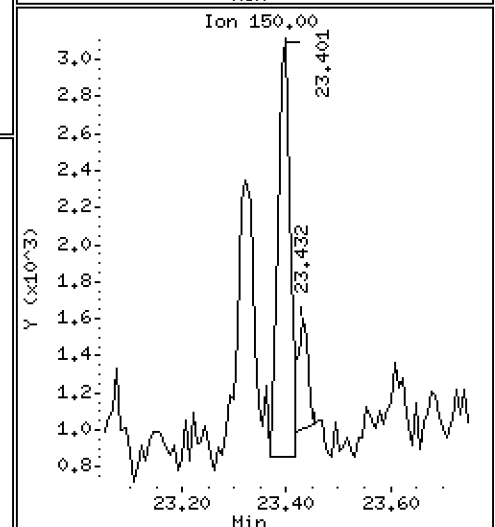
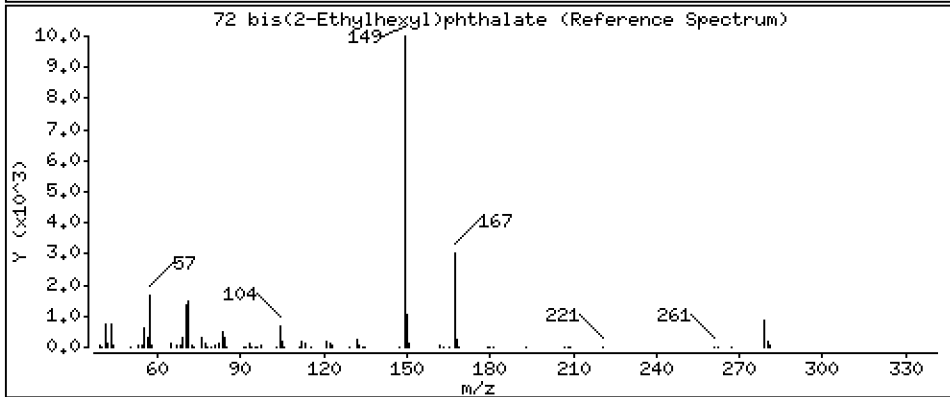
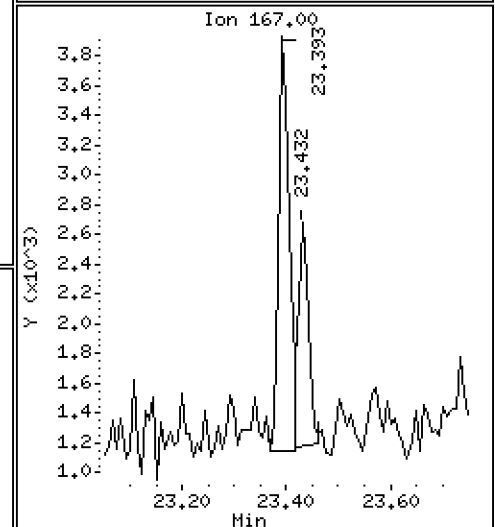
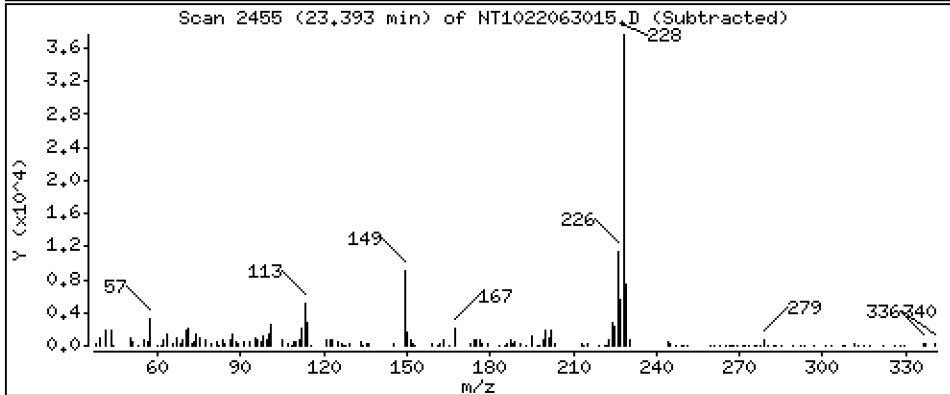
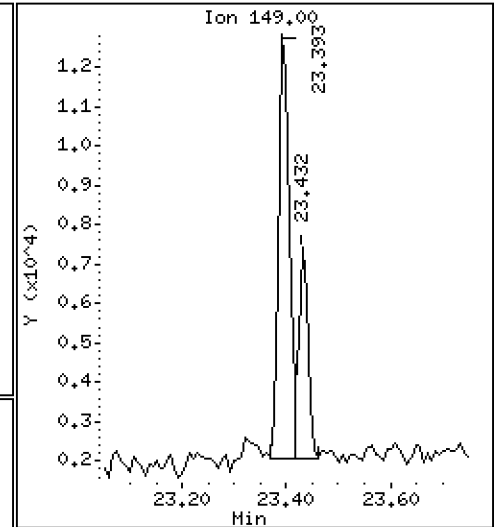
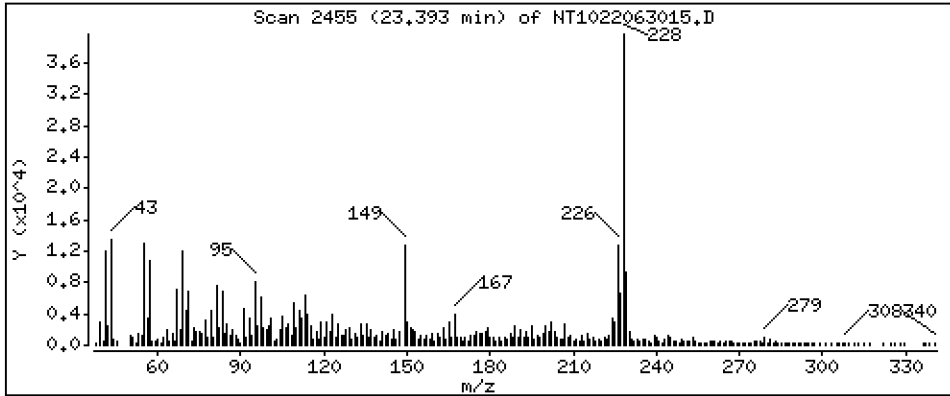
Operator: VTS

Column phase: ZB-5msi

Column diameter: 0,25

72 bis(2-Ethylhexyl)phthalate

Concentration: 0,4949 ug/mL



Date : 30-JUN-2022 22:38

Client ID:

Instrument: nt10.i

Sample Info: 22F0267-16

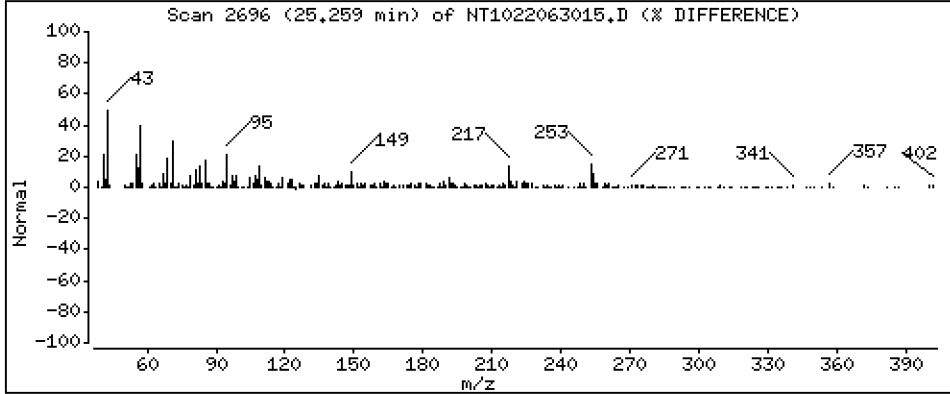
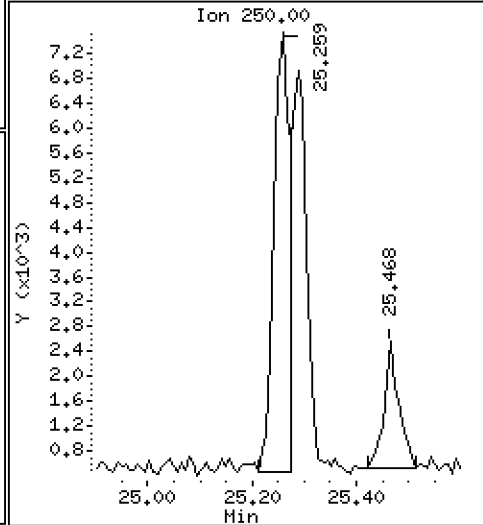
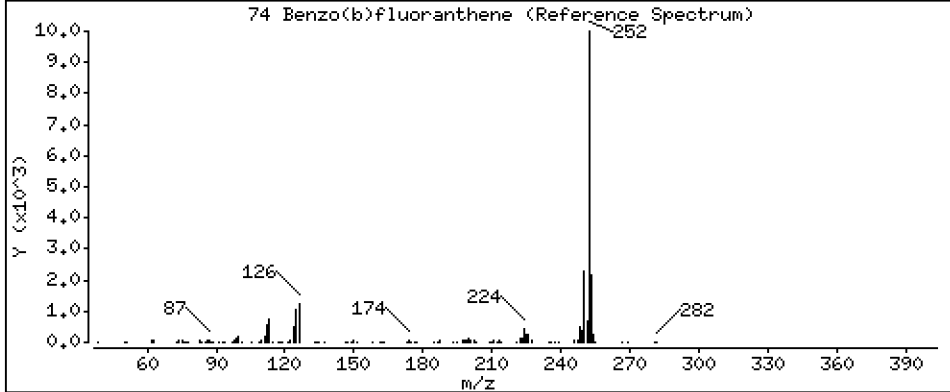
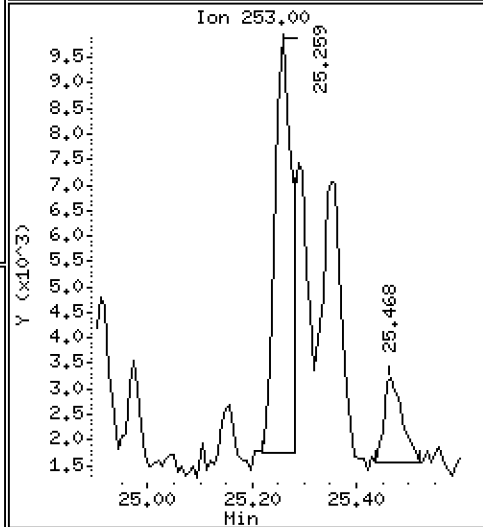
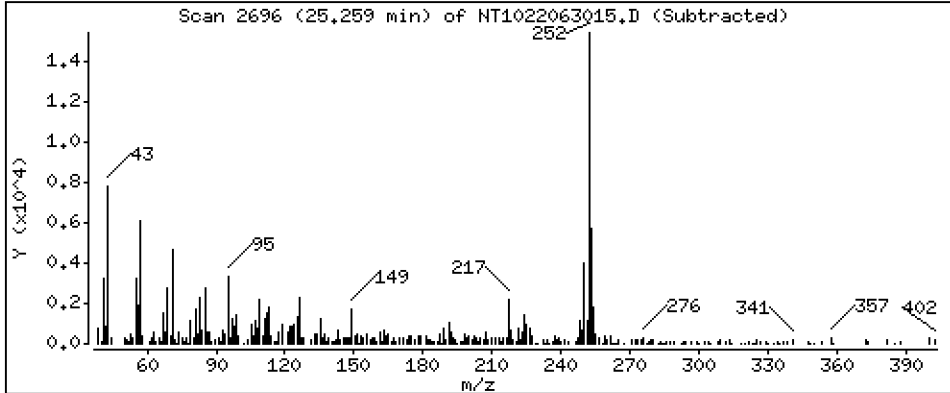
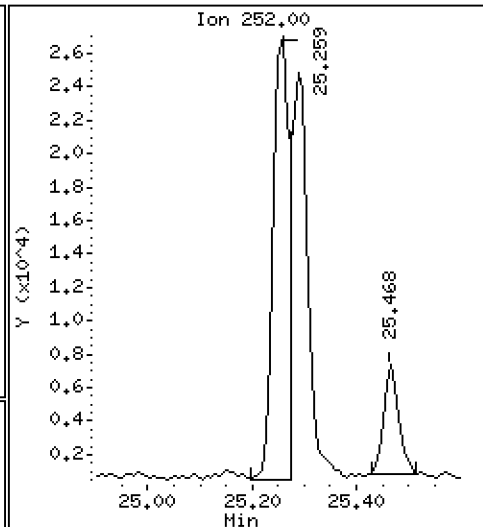
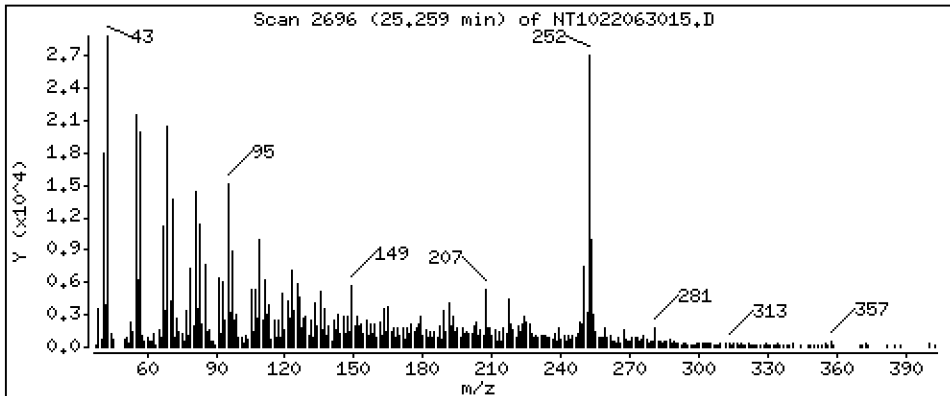
Operator: VTS

Column phase: ZB-5msi

Column diameter: 0,25

74 Benzo(b)fluoranthene

Concentration: 1,354 ug/mL



Date : 30-JUN-2022 22:38

Client ID:

Instrument: nt10.i

Sample Info: 22F0267-16

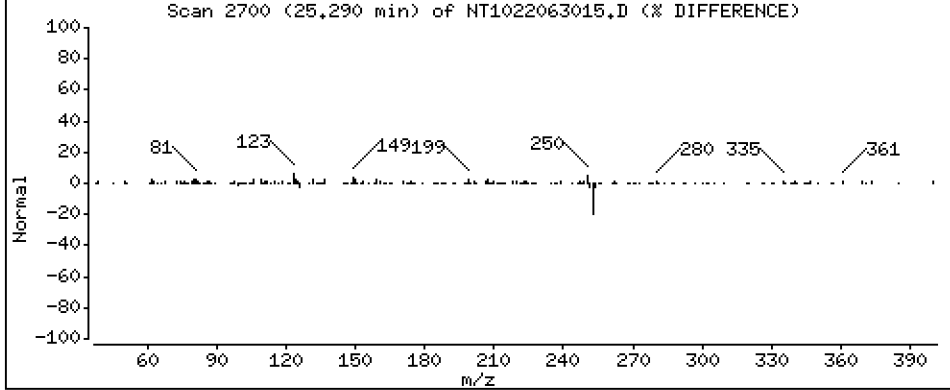
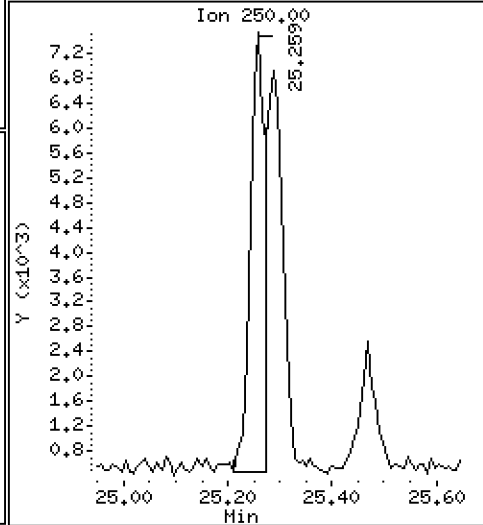
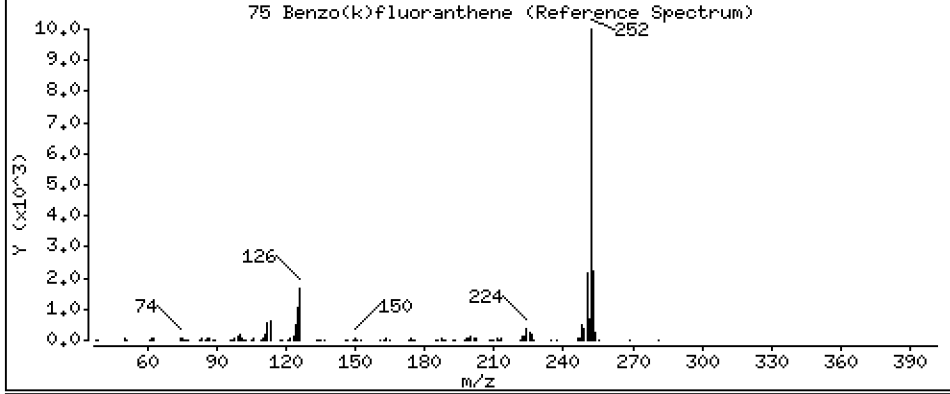
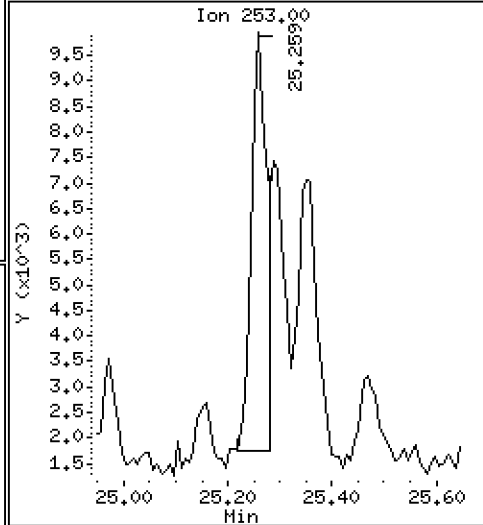
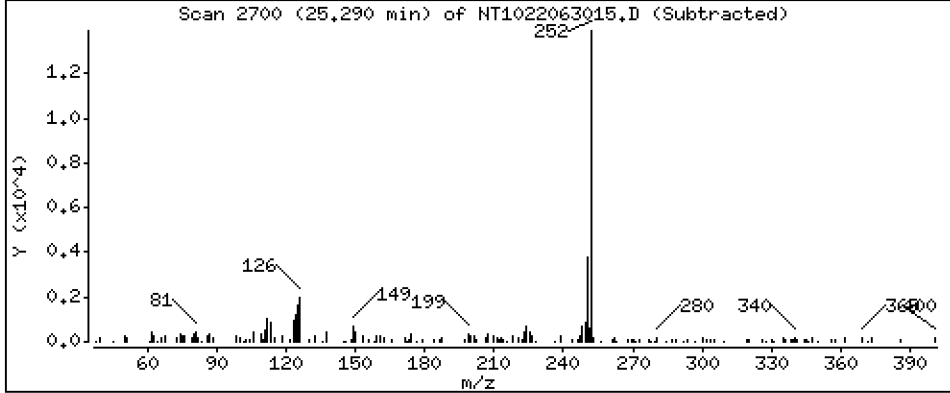
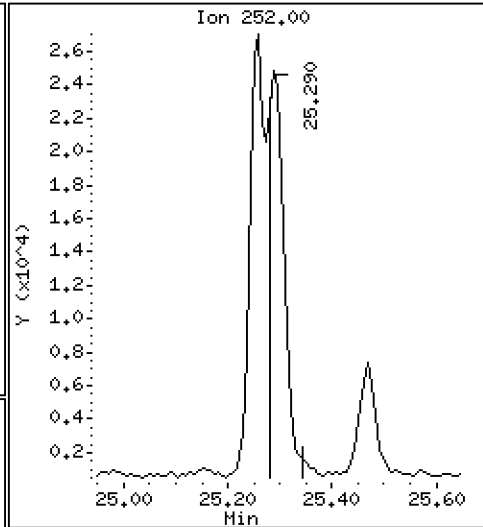
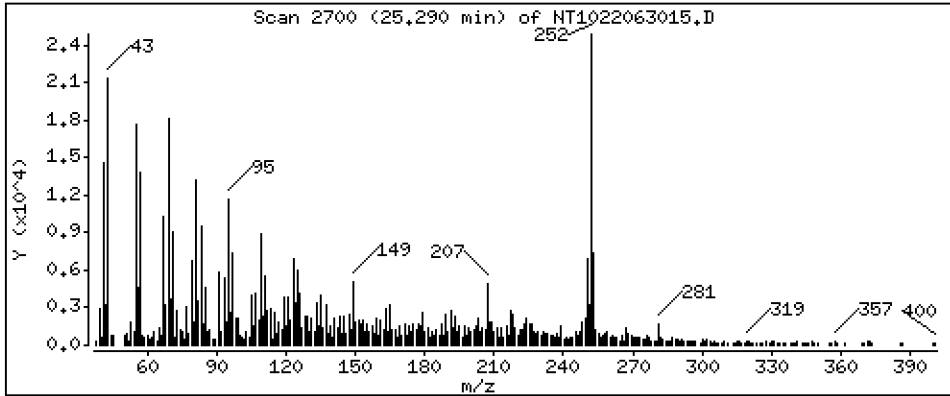
Operator: VTS

Column phase: ZB-5msi

Column diameter: 0,25

75 Benzo(k)fluoranthene

Concentration: 1,196 ug/mL



Date : 30-JUN-2022 22:38

Client ID:

Instrument: nt10.i

Sample Info: 22F0267-16

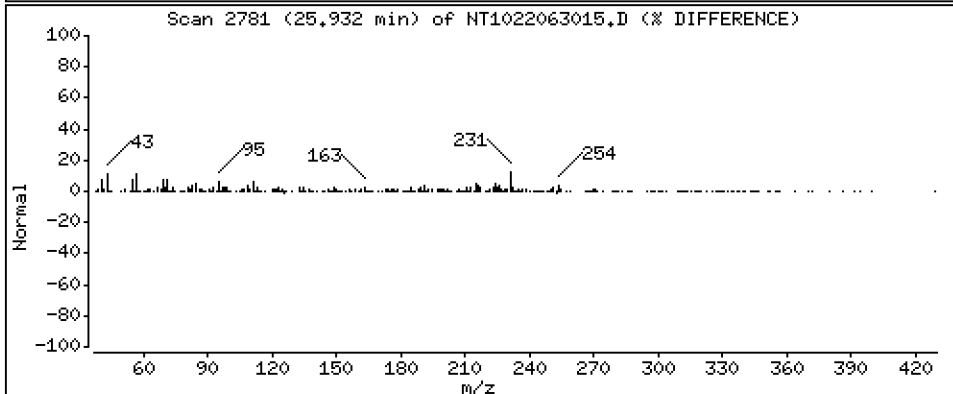
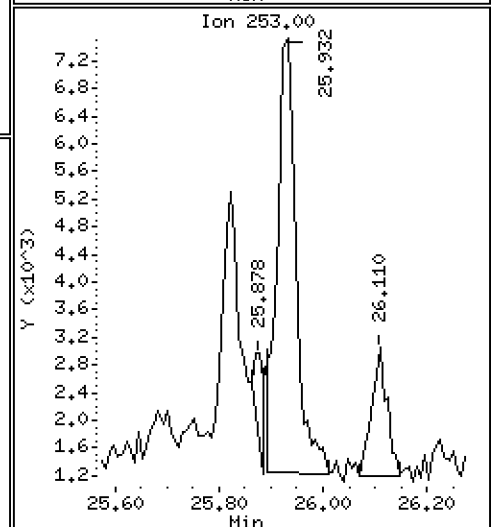
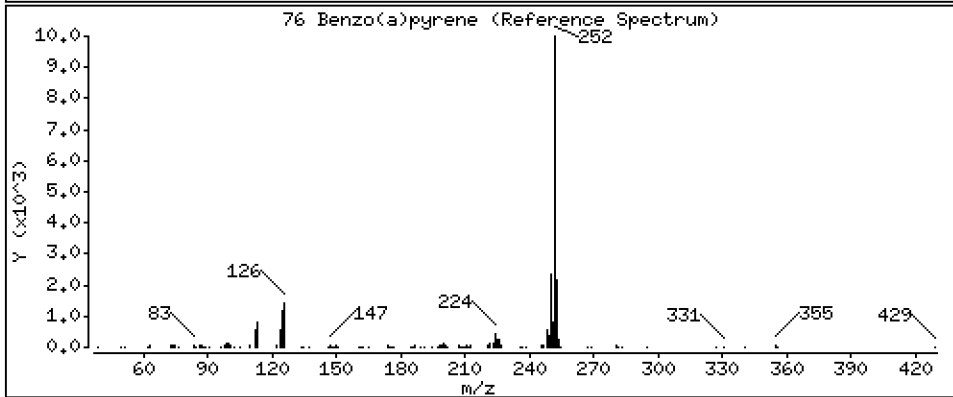
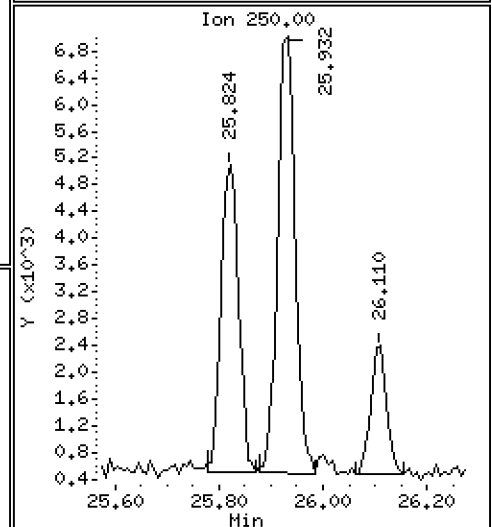
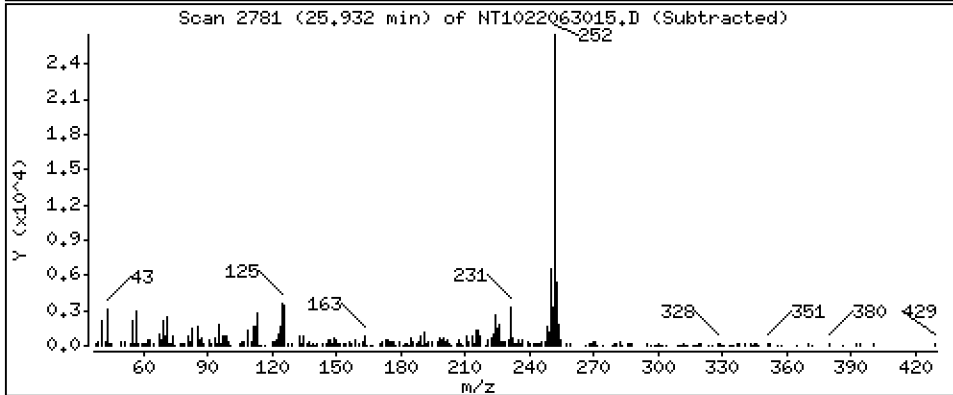
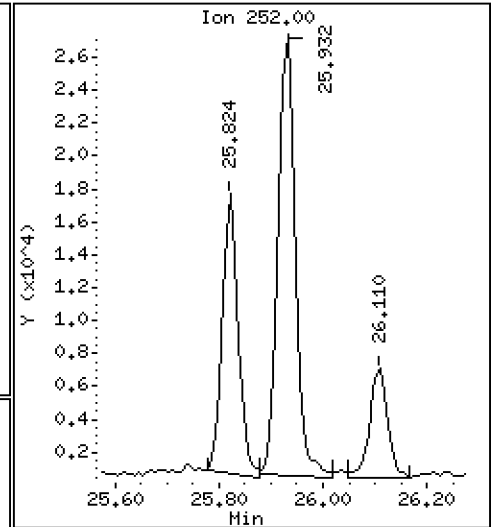
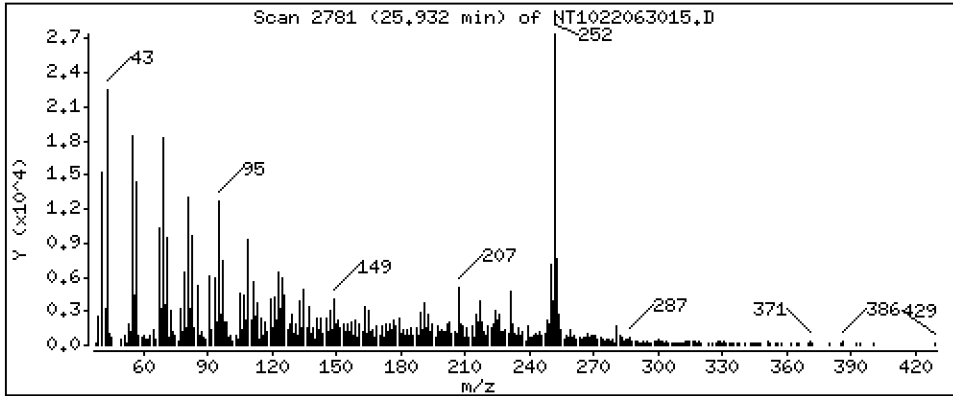
Operator: VTS

Column phase: ZB-5msi

Column diameter: 0,25

76 Benzo(a)pyrene

Concentration: 1,756 ug/mL



Date : 30-JUN-2022 22:38

Client ID:

Instrument: nt10.i

Sample Info: 22F0267-16

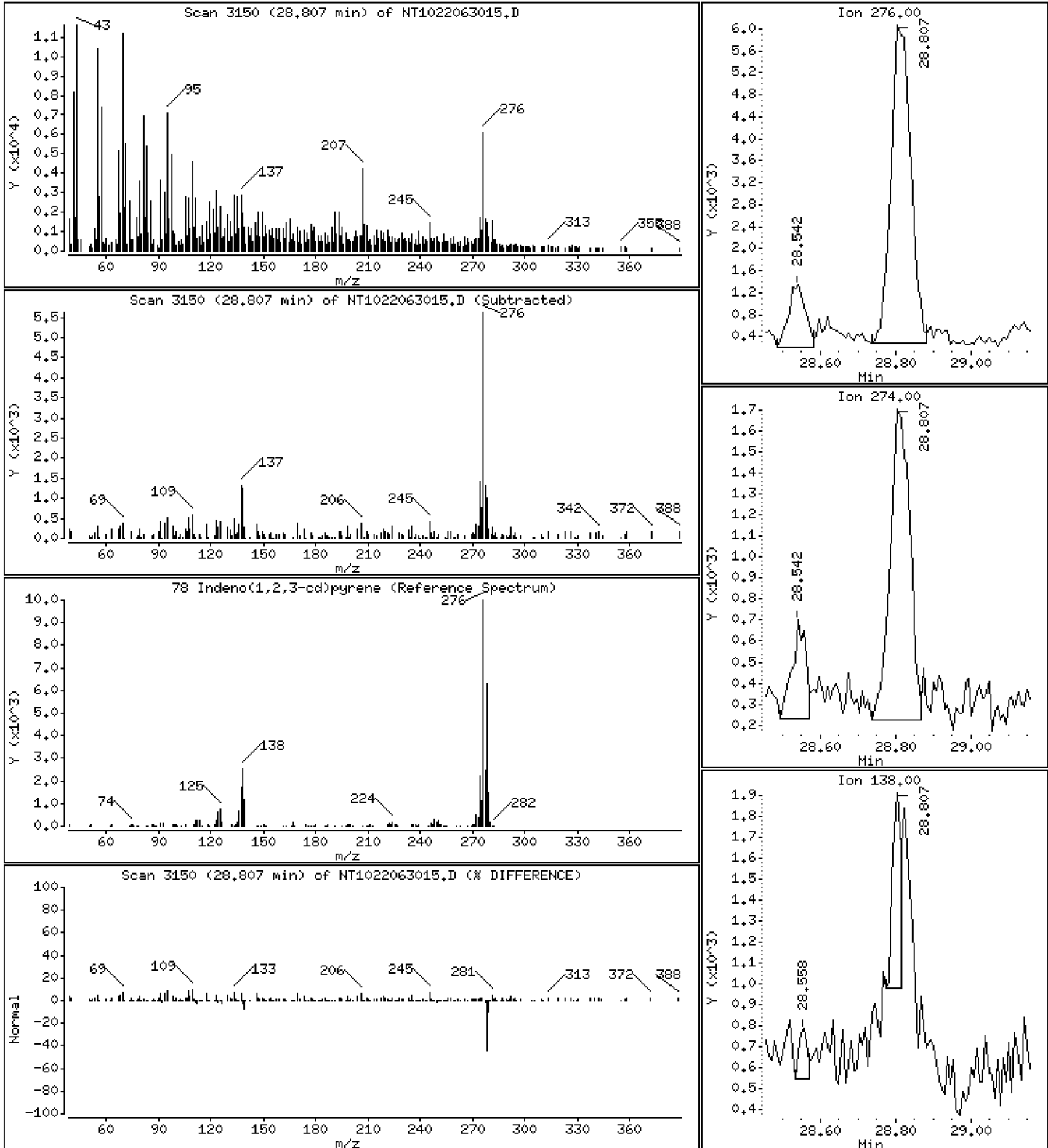
Operator: VTS

Column phase: ZB-5msi

Column diameter: 0,25

78 Indeno(1,2,3-cd)pyrene

Concentration: 0,5753 ug/mL



Date : 30-JUN-2022 22:38

Client ID:

Instrument: nt10.i

Sample Info: 22F0267-16

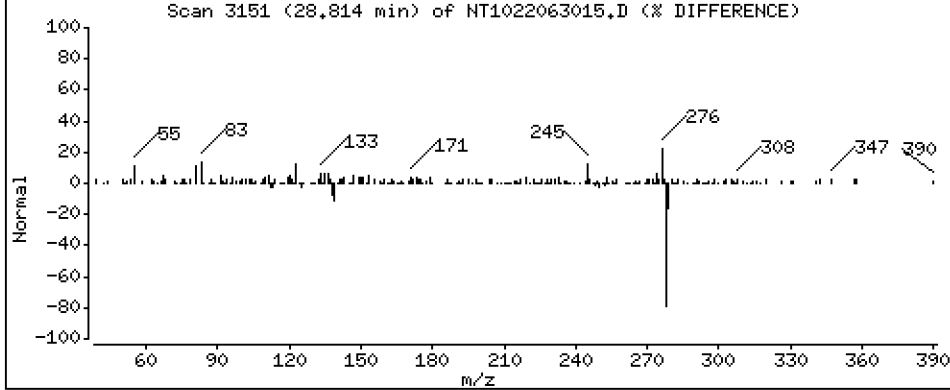
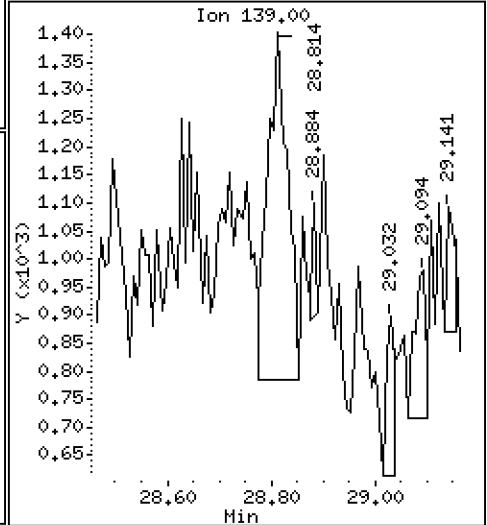
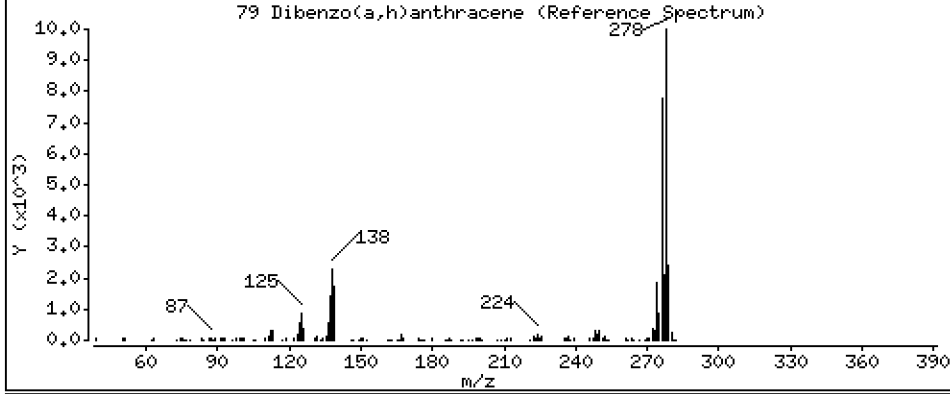
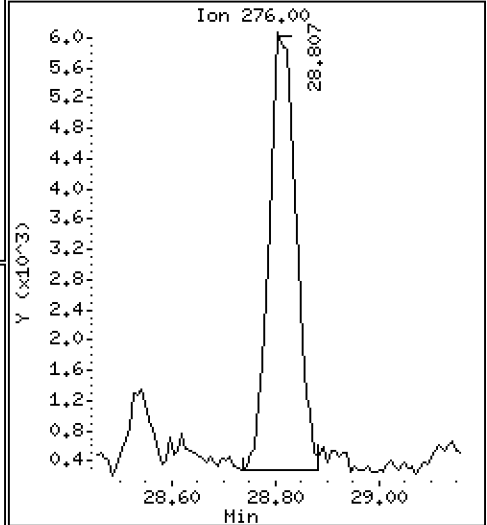
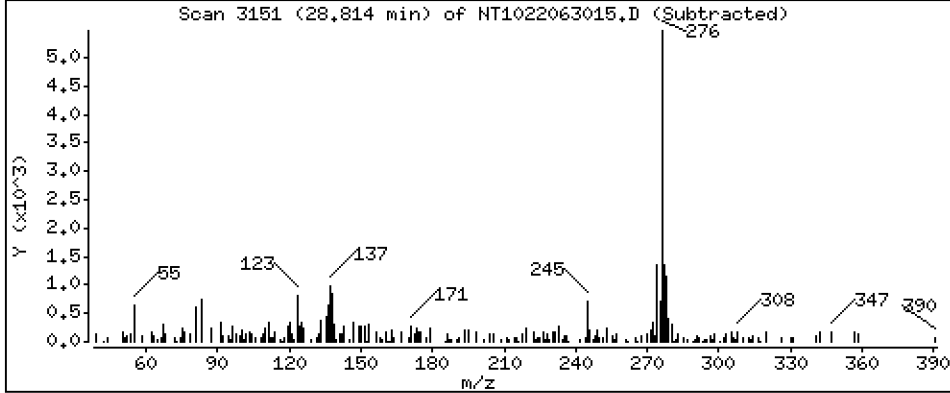
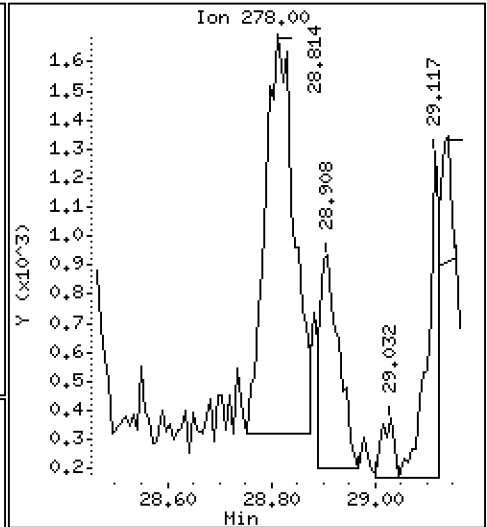
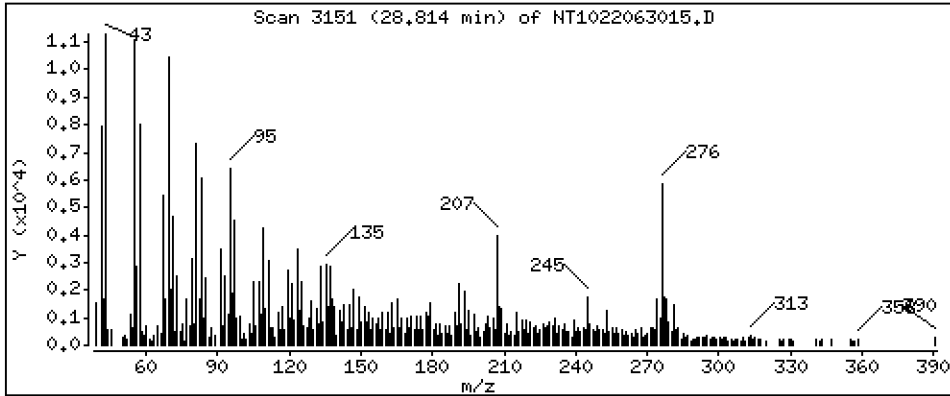
Operator: VTS

Column phase: ZB-5msi

Column diameter: 0,25

79 Dibenzo(a,h)anthracene

Concentration: 0,1926 ug/mL



Date : 30-JUN-2022 22:38

Client ID:

Instrument: nt10.i

Sample Info: 22F0267-16

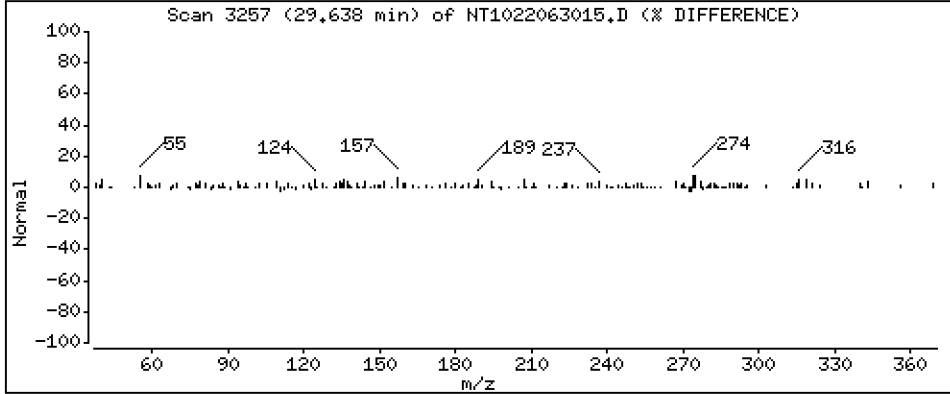
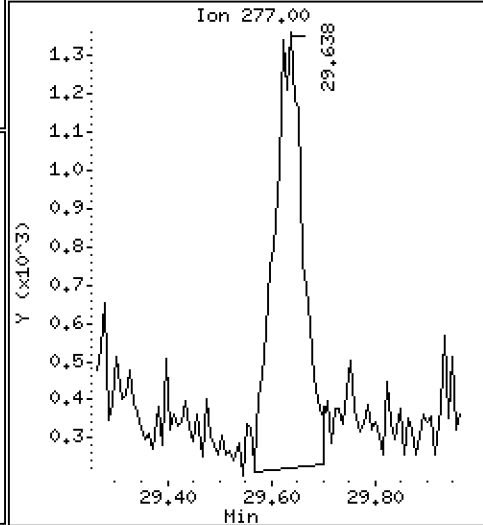
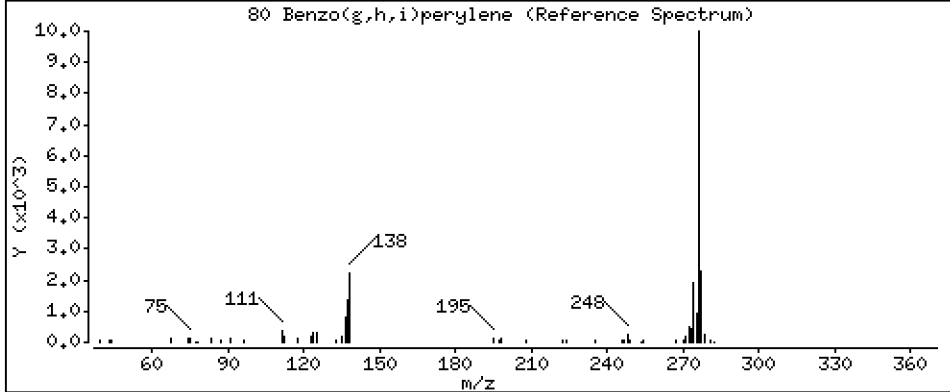
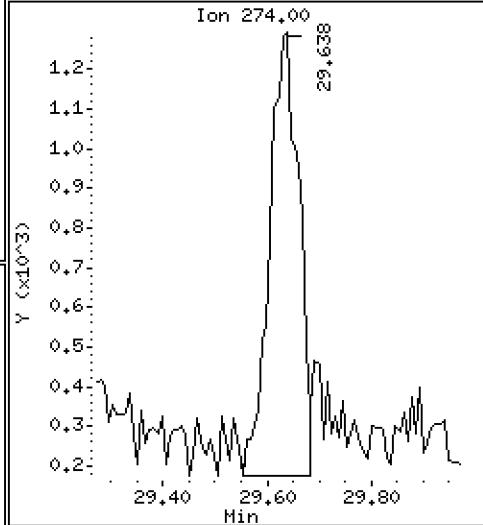
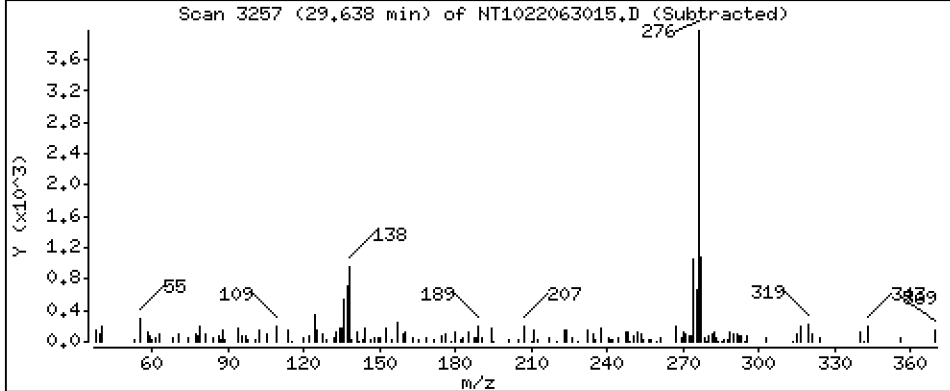
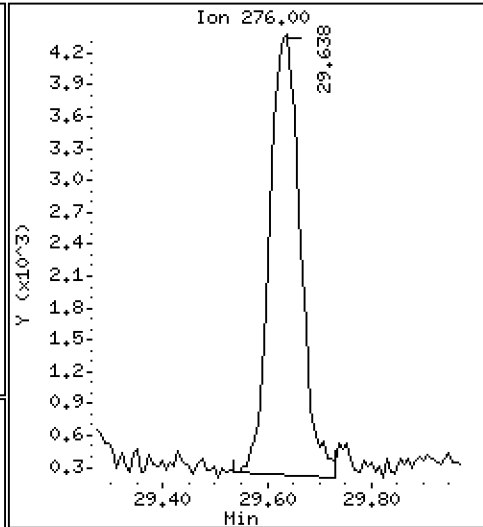
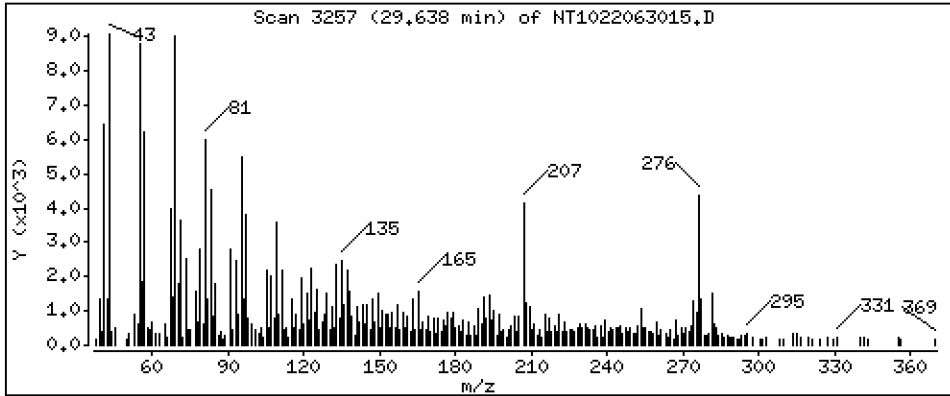
Operator: VTS

Column phase: ZB-5msi

Column diameter: 0,25

80 Benzo(g,h,i)perylene

Concentration: 0,5877 ug/mL



Date : 30-JUN-2022 22:38

Client ID:

Instrument: nt10.i

Sample Info: 22F0267-16

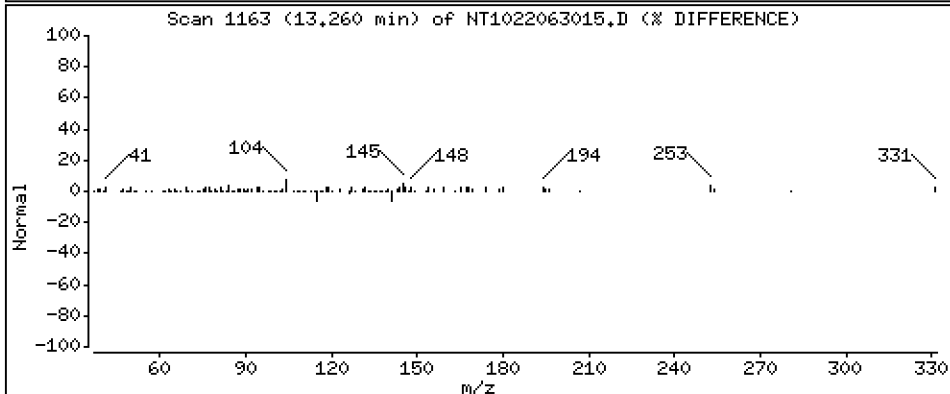
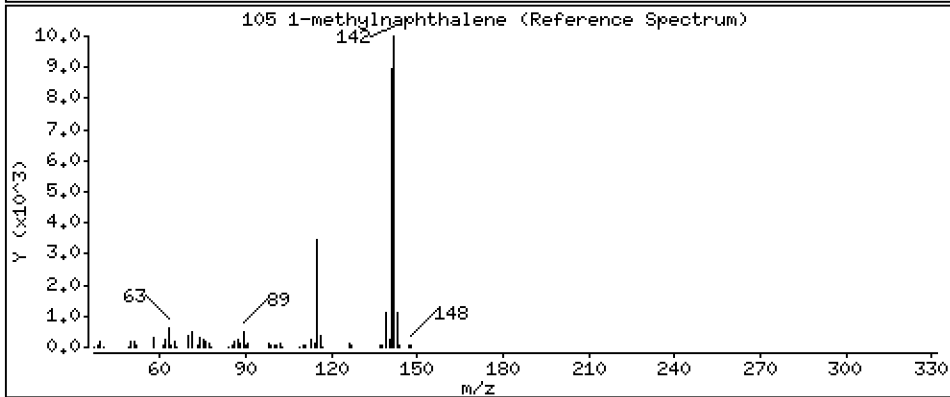
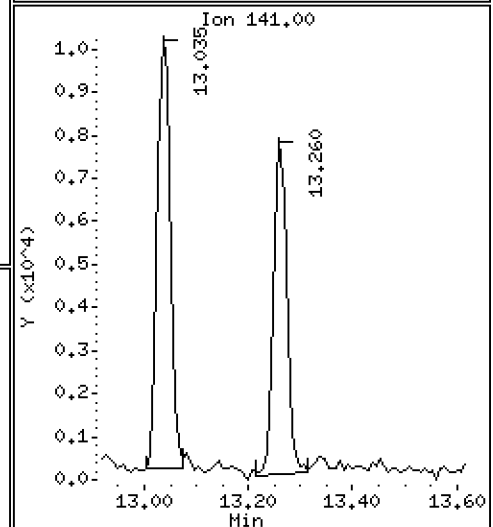
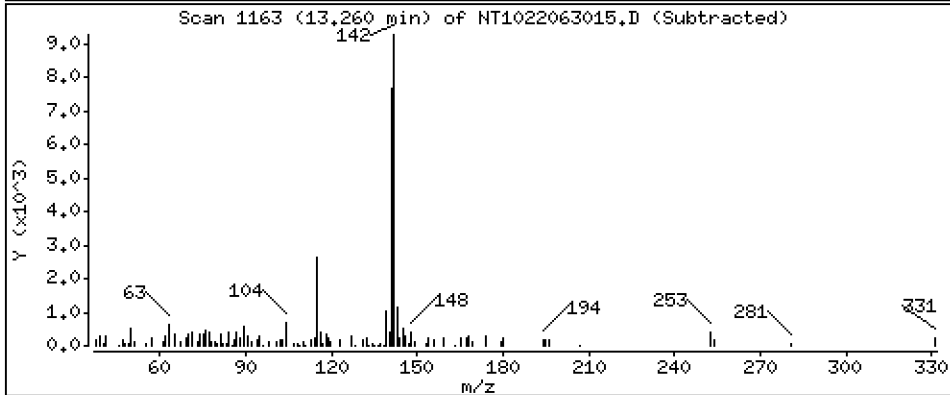
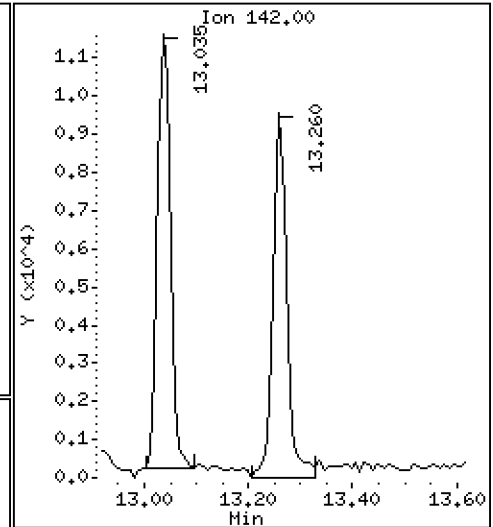
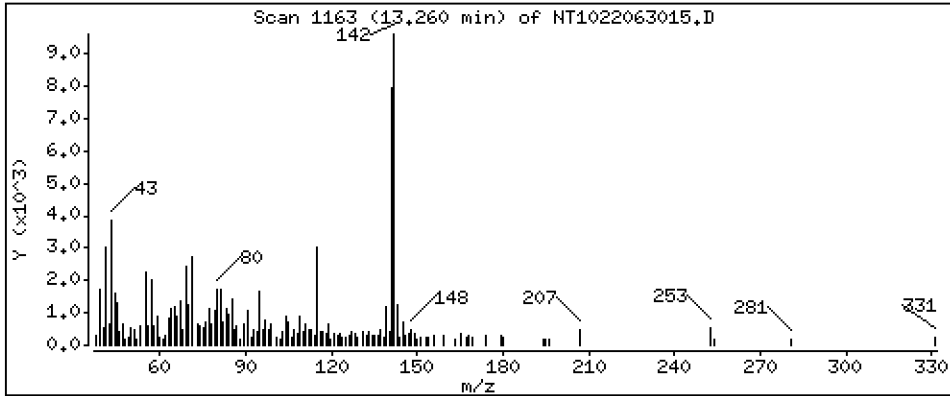
Operator: VTS

Column phase: ZB-5msi

Column diameter: 0.25

105 1-methylnaphthalene

Concentration: 0.07020 ug/mL



Date : 30-JUN-2022 22:38

Client ID:

Instrument: nt10.i

Sample Info: 22F0267-16

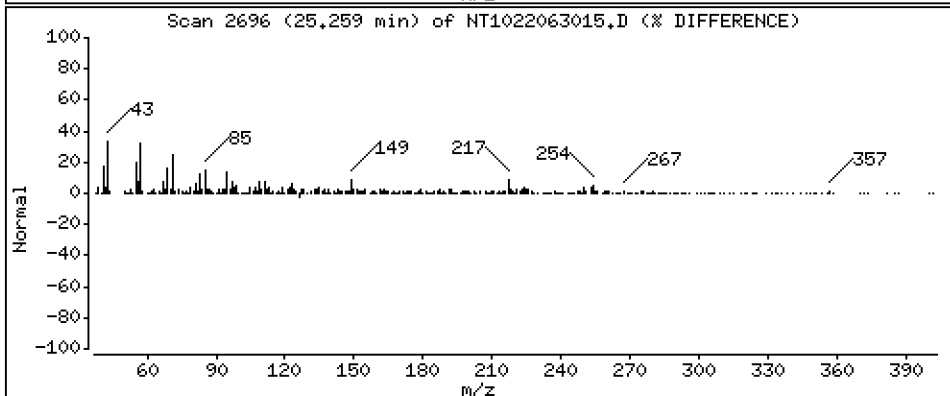
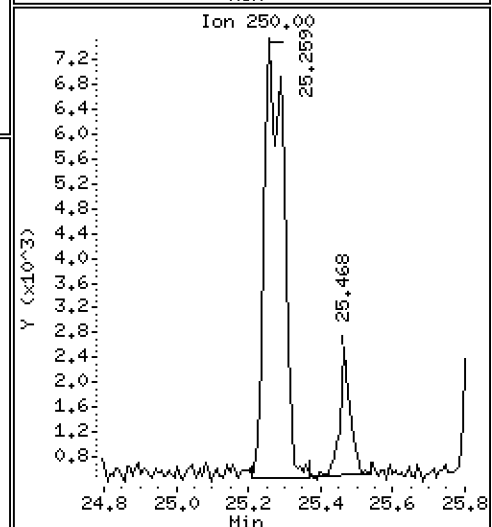
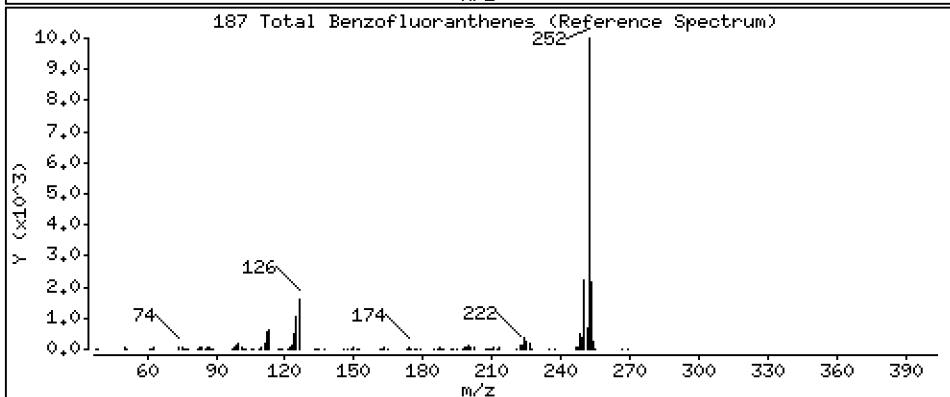
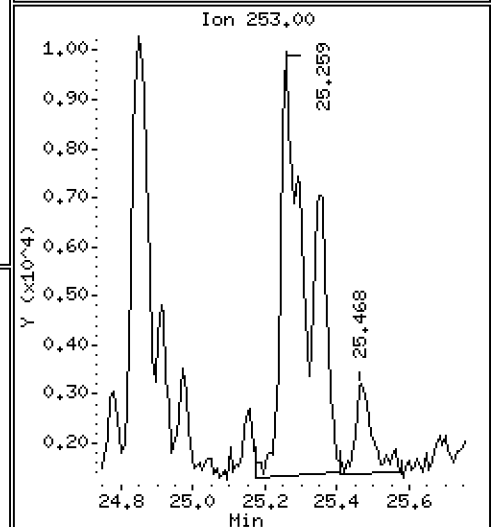
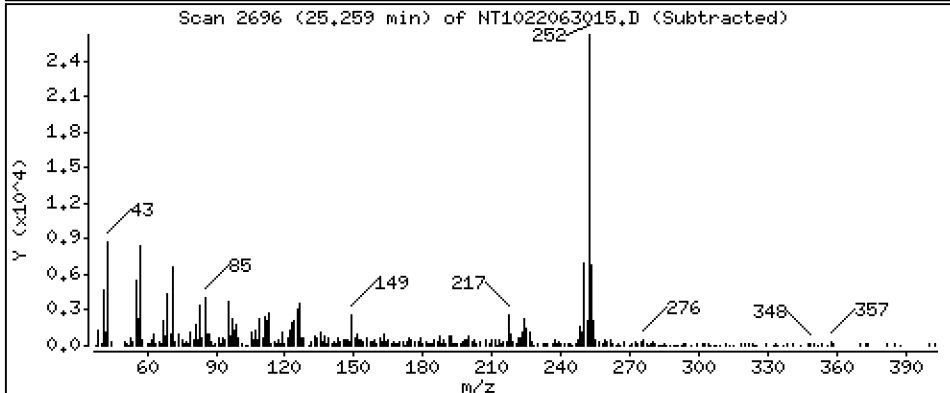
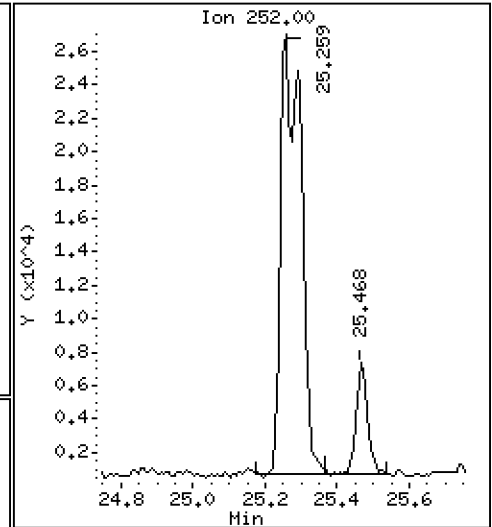
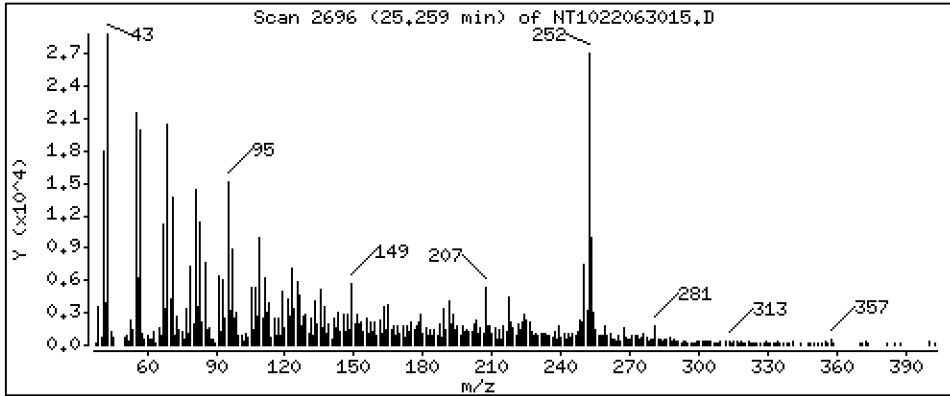
Operator: VTS

Column phase: ZB-5msi

Column diameter: 0,25

187 Total Benzofluoranthenes

Concentration: 2,640 ug/mL



ARI Labs, Inc.

Semivolatile Report SW846 Method 8270D

Data file : \\target\share\chem3\nt10.i\20220630.b\NT1022063015.D
 Lab Smp Id: 22F0267-16
 Inj Date : 30-JUN-2022 22:38
 Operator : VTS
 Smp Info : 22F0267-16
 Misc Info :
 Comment : 1ul Injection
 Method : \\target\share\chem3\nt10.i\20220630.b\ABN.m
 Meth Date : 01-Jul-2022 17:13 yev
 Cal Date : 23-JUN-2022 13:07
 Als bottle: 14
 Dil Factor: 1.00000
 Integrator: HP RTE
 Target Version: 4.14
 Processing Host: ORGDATA102

Inst ID: nt10.i

Quant Type: ISTD
 Cal File: NT1022062308.D

Compound Sublist: ICAL.sub

Compounds	QUANT	SIG	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS	
							ON-COLUMN	FINAL
	MASS						(ug/mL)	(ug/mL)
\$ 1 2-Fluorophenol	112		6.921	6.922	(0.760)	489394	4.81739	4.817
\$ 2 Phenol-d5	99		8.513	8.513	(0.935)	709366	4.70601	4.706
3 Phenol	94		8.536	8.529	(0.937)	5983	0.04555	0.04555
\$ 5 2-Chlorophenol-d4	132		8.768	8.768	(0.963)	655912	6.33651	6.337
4 Bis(2-Chloroethyl)ether	93		Compound Not Detected.					
6 2-Chlorophenol	128		Compound Not Detected.					
7 1,3-Dichlorobenzene	146		Compound Not Detected.					
* 8 1,4-Dichlorobenzene-d4	152		9.109	9.117	(1.000)	278209	4.00000	
9 1,4-Dichlorobenzene	146		9.140	9.148	(1.003)	4526	0.05070	0.05070
\$ 10 1,2-Dichlorobenzene-d4	152		9.473	9.474	(1.040)	263528	4.13151	4.132
12 1,2-Dichlorobenzene	146		Compound Not Detected.					
11 Benzyl alcohol	108		Compound Not Detected.					
14 2,2'-oxybis(1-Chloropropane)	121		Compound Not Detected.					
13 2-Methylphenol	108		Compound Not Detected.					
17 Hexachloroethane	117		Compound Not Detected.					
16 N-Nitroso-di-n-propylamine	70		Compound Not Detected.					
15 4-Methylphenol	108		9.924	9.901	(1.089)	4772	0.05514	0.05514
\$ 18 Nitrobenzene-d5	82		10.203	10.211	(0.880)	422726	4.15811	4.158
19 Nitrobenzene	77		Compound Not Detected.					
20 Isophorone	82		Compound Not Detected.					
21 2-Nitrophenol	139		Compound Not Detected.					
22 2,4-Dimethylphenol	107		Compound Not Detected.					
23 Bis(2-Chloroethoxy)methane	93		Compound Not Detected.					
24 Benzoic acid	105		Compound Not Detected.					
25 2,4-Dichlorophenol	162		Compound Not Detected.					
26 1,2,4-Trichlorobenzene	180		Compound Not Detected.					
* 27 Naphthalene-d8	136		11.596	11.604	(1.000)	955423	4.00000	
28 Naphthalene	128		11.635	11.643	(1.003)	28094	0.11489	0.1149
29 4-Chloroaniline	127		Compound Not Detected.					
30 Hexachlorobutadiene	225		Compound Not Detected.					
31 4-Chloro-3-methylphenol	107		Compound Not Detected.					
32 2-Methylnaphthalene	142		13.035	13.043	(1.124)	19095	0.07857	0.07857
33 Hexachlorocyclopentadiene	237		Compound Not Detected.					

Compounds	QUANT	SIG	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS	
							ON-COLUMN (ug/mL)	FINAL (ug/mL)
34 2,4,6-Trichlorophenol	196							
35 2,4,5-Trichlorophenol	196							
\$ 36 2-Fluorobiphenyl	172		13.816	13.824	(0.908)	1014408	4.59489	4.595
37 2-Chloronaphthalene	162							
38 2-Nitroaniline	65							
39 Dimethylphthalate	163							
40 Acenaphthylene	152		14.908	14.916	(0.980)	82207	0.28826	0.2883
41 2,6-Dinitrotoluene	165							
* 42 Acenaphthene-d10	164		15.217	15.225	(1.000)	487857	4.00000	
43 3-Nitroaniline	138							
44 Acenaphthene	153		15.287	15.295	(1.005)	8737	0.06158	0.06158
45 2,4-Dinitrophenol	184							
46 Dibenzofuran	168		15.611	15.619	(1.026)	18292	0.08112	0.08112
47 4-Nitrophenol	109							
48 2,4-Dinitrotoluene	165							
50 Diethylphthalate	149		16.176	16.191	(1.063)	19902	0.13561	0.1356
49 Fluorene	166		16.330	16.338	(1.073)	24888	0.09237	0.09237
51 4-Chlorophenyl-phenylether	204							
52 4-Nitroaniline	138							
53 4,6-Dinitro-2-methylphenol	198							
54 N-Nitrosodiphenylamine	169							
\$ 55 2,4,6-Tribromophenol	330		16.878	16.878	(1.109)	157044	7.06847	7.068
56 4-Bromophenyl-phenylether	248							
57 Hexachlorobenzene	284							
58 Pentachlorophenol	266							
* 59 Phenanthrene-d10	188		18.269	18.277	(1.000)	771125	4.00000	
60 Phenanthrene	178		18.323	18.331	(1.003)	250475	1.23637	1.236
61 Anthracene	178		18.416	18.424	(1.008)	71865	0.33288	0.3329
62 Carbazole	167		18.756	18.757	(1.027)	27822	0.13969	0.1397
63 Di-n-butylphthalate	149		19.553	19.554	(1.070)	6031	0.02024	0.02024
64 Fluoranthene	202		20.729	20.722	(0.888)	416281	4.26784	4.268
65 Pyrene	202		21.155	21.147	(0.906)	376347	4.39015	4.390
\$ 66 Terphenyl-d14	244		21.433	21.434	(0.918)	245583	5.24185	5.242
67 Butylbenzylphthalate	149							
68 Benzo(a)anthracene	228		23.323	23.331	(0.999)	83404	1.46608	1.466
* 69 Chrysene-d12	240		23.354	23.354	(1.000)	134253	4.00000	
70 3,3'-Dichlorobenzidine	252							
71 Chrysene	228		23.392	23.400	(1.002)	67677	1.76730	1.767
72 bis(2-Ethylhexyl)phthalate	149		23.392	23.400	(0.958)	15010	0.49494	0.4949
* 134 Di-n-octylphthalate-d4	153		24.407	24.407	(1.000)	274371	4.00000	
73 Di-n-octylphthalate	149							
74 Benzo(b)fluoranthene	252		25.258	25.251	(0.969)	56449	1.35425	1.354
75 Benzo(k)fluoranthene	252		25.289	25.297	(0.971)	47948	1.19626	1.196 (M)
76 Benzo(a)pyrene	252		25.932	25.924	(0.995)	59915	1.75625	1.756
* 77 Perylene-d12	264		26.056	26.041	(1.000)	92039	4.00000	
78 Indeno(1,2,3-cd)pyrene	276		28.806	28.806	(1.106)	20956	0.57532	0.5753
79 Dibenzo(a,h)anthracene	278		28.814	28.814	(1.106)	5371	0.19261	0.1926
80 Benzo(g,h,i)perylene	276		29.637	29.622	(1.137)	17113	0.58773	0.5877
90 N-Nitrosodimethylamine	74							
91 Aniline	93							
93 Benzidine	184							
103 Pyridine	79							
105 1-methylnaphthalene	142		13.259	13.267	(1.143)	16761	0.07020	0.07020
111 Azobenzene (1,2-DP-Hydrazine)	77							

Compounds	QUANT SIG	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS		
						ON-COLUMN (ug/mL)	FINAL (ug/mL)	
187 Total Benzofluoranthenes	252	25.258	25.251	(0.969)	102597	2.63984	2.640	
120 2,3,4,6-Tetrachlorophenol	232	Compound Not Detected.						

QC Flag Legend

M - Compound response manually integrated.

ARI Labs, Inc.

INTERNAL STANDARD COMPOUNDS
 AREA AND RT SUMMARY

Instrument ID: nt10.i Calibration Date: 30-JUN-2022
 Lab File ID: NT1022063015.D Calibration Time: 14:09
 Lab Smp Id: 22F0267-16
 Analysis Type: SV Level:
 Quant Type: ISTD Sample Type:
 Operator: VTS
 Method File: \\target\share\chem3\nt10.i\20220630.b\ABN.m
 Misc Info:

Test Mode:
 Use Last Continuing Calibrator.

COMPOUND	STANDARD	AREA LIMIT		SAMPLE	%DIFF
		LOWER	UPPER		
8 1,4-Dichlorobenze	207392	103696	414784	278209	34.15
27 Naphthalene-d8	696938	348469	1393876	955423	37.09
42 Acenaphthene-d10	395441	197721	790882	487857	23.37
59 Phenanthrene-d10	603067	301534	1206134	771125	27.87
69 Chrysene-d12	148146	74073	296292	134253	-9.38
134 Di-n-octylphthala	308009	154005	616018	274371	-10.92
77 Perylene-d12	115550	57775	231100	92039	-20.35

COMPOUND	STANDARD	RT LIMIT		SAMPLE	%DIFF
		LOWER	UPPER		
8 1,4-Dichlorobenze	9.12	8.62	9.62	9.11	-0.09
27 Naphthalene-d8	11.60	11.10	12.10	11.60	-0.07
42 Acenaphthene-d10	15.23	14.73	15.73	15.22	-0.05
59 Phenanthrene-d10	18.28	17.78	18.78	18.27	-0.04
69 Chrysene-d12	23.35	22.85	23.85	23.35	-0.00
134 Di-n-octylphthala	24.41	23.91	24.91	24.41	-0.00
77 Perylene-d12	26.04	25.54	26.54	26.06	0.06

AREA UPPER LIMIT = +100% of internal standard area.
 AREA LOWER LIMIT = - 50% of internal standard area.
 RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
 RT LOWER LIMIT = - 0.50 minutes of internal standard RT.

REVIEW SUMMARY FOR FILE - NT1022063015.D

Lab ID: 22F0267-16
nt10.i, ABN.m, 30-JUN-2022 22:38

RT CO-ELUTION COMPOUNDS

NO CO-ELUTIONS

Quant Method: ICAL

RRT CHECK

RRT	CCV	RRT	DELTA	COMPOUND
-----	-----	-----	-------	----------

NONE

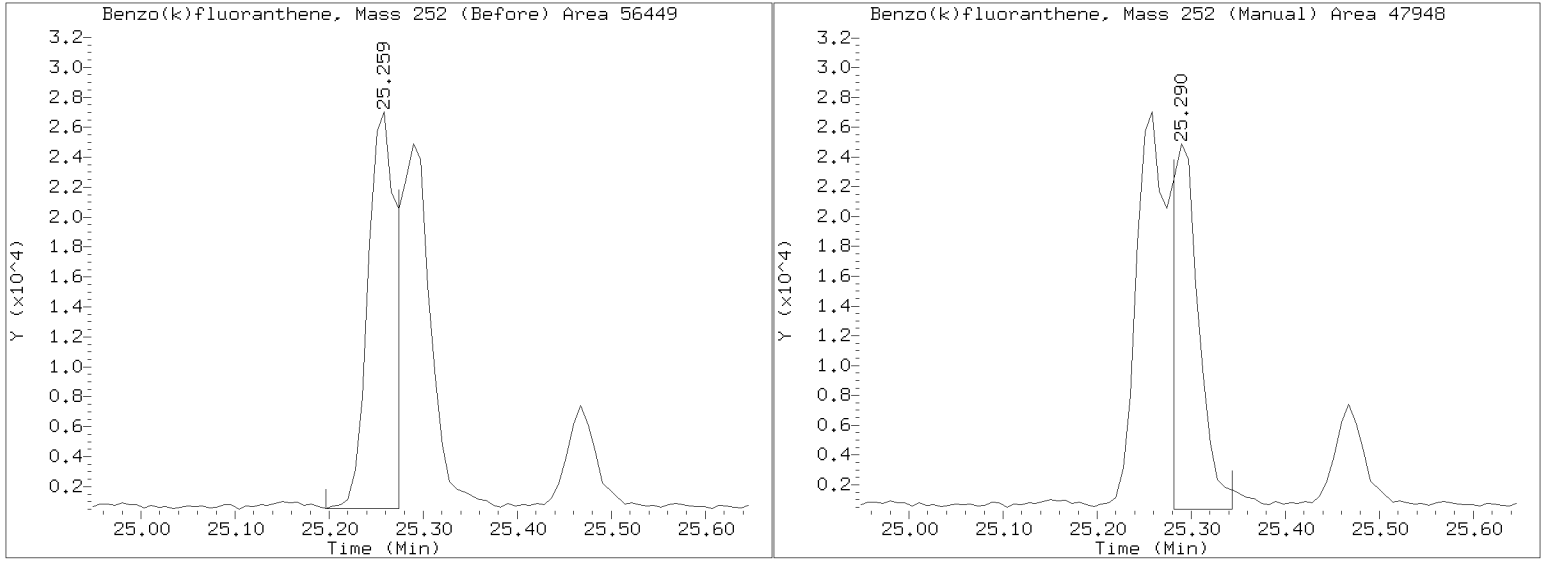
RRT check based on Ccal File: NT1022063002.D

On Column LOD for nt10.i, ABN.m, ICAL.sub = 0.0000

* Only compounds listed in the work order have been verified by the analyst *

Quant Ion Manual Peak Adjustment Report

Datafile: //target/share/chem3/nt10.i/20220630.b/NT1022063015.D
Injection Date: 30-JUN-2022 22:38
Lab ID:22F0267-16 Client ID:
Report Date: 07/01/2022 17:15





Form I
ORGANIC ANALYSIS DATA SHEET
EPA 8270E
Semivolatiles (20ug/kg - 0.2ug/L SepF)

Laboratory: Analytical Resources, LLC
 Client: GeoEngineers
 Project: RG Haley Site-Bellingham
 Matrix: Sediment Laboratory ID: 22F0267-18 A SDG: 22F0267
 Sampled: 06/14/22 10:30 Prepared: 06/21/22 13:45 File ID: NT1022063016.D
 % Solids: 87.98 Preparation: EPA 3546 (Microwave) Analyzed: 06/30/22 23:17
 Batch: BKF0469 Sequence: SKG0010 Initial/Final: 11.39 g Wet / 1 mL
 Instrument: NT10 Column: ZB-5MSi Calibration: FF00062
 Cleanups: GPC

CAS NO.	COMPOUND	DILUTION	CONC: (ug/kg dry)	Q	DL	RL
91-20-3	Naphthalene	1	4.2	U	4.2	20.0
91-57-6	2-Methylnaphthalene	1	4.5	U	4.5	20.0
83-32-9	Acenaphthene	1	5.2	U	5.2	20.0
87-86-5	Pentachlorophenol	1	32.4	J	31.2	99.8
85-01-8	Phenanthrene	1	14.6	J	8.7	20.0
206-44-0	Fluoranthene	1	33.8		6.1	20.0
56-55-3	Benzo(a)anthracene	1	14.0	J	5.9	20.0
218-01-9	Chrysene	1	17.6	J	6.0	20.0
205-99-2	Benzo(b)fluoranthene	1	12.3	J	7.0	20.0
207-08-9	Benzo(k)fluoranthene	1	9.9	J	5.0	20.0
50-32-8	Benzo(a)pyrene	1	15.7	J	4.2	20.0
193-39-5	Indeno(1,2,3-cd)pyrene	1	14.6	U	14.6	20.0
53-70-3	Dibenzo(a,h)anthracene	1	17.2	U	17.2	20.0
90-12-0	1-Methylnaphthalene	1	5.2	U	5.2	20.0

SURROGATES	ADDED: (ug/kg dry)	FOUND: (ug/kg dry)	% REC	QC LIMITS	Q
2-Fluorophenol	748.43	491	65.6	27 - 120	
Phenol-d5	748.43	491	65.6	29 - 120	
2-Chlorophenol-d4	748.43	662	88.5	31 - 120	
1,2-Dichlorobenzene-d4	498.96	436	87.5	32 - 120	
Nitrobenzene-d5	498.96	445	89.1	30 - 120	
2-Fluorobiphenyl	498.96	482	96.6	35 - 120	
2,4,6-Tribromophenol	748.43	762	102	24 - 134	
p-Terphenyl-d14	498.96	577	116	37 - 120	

Data File: \\target\share\chem3\nt10.1\20220630.16\NT1022063016.D

Date: 30-JUN-2022 23:17

Client ID:

Sample Info: 22F0267-18

Page 1

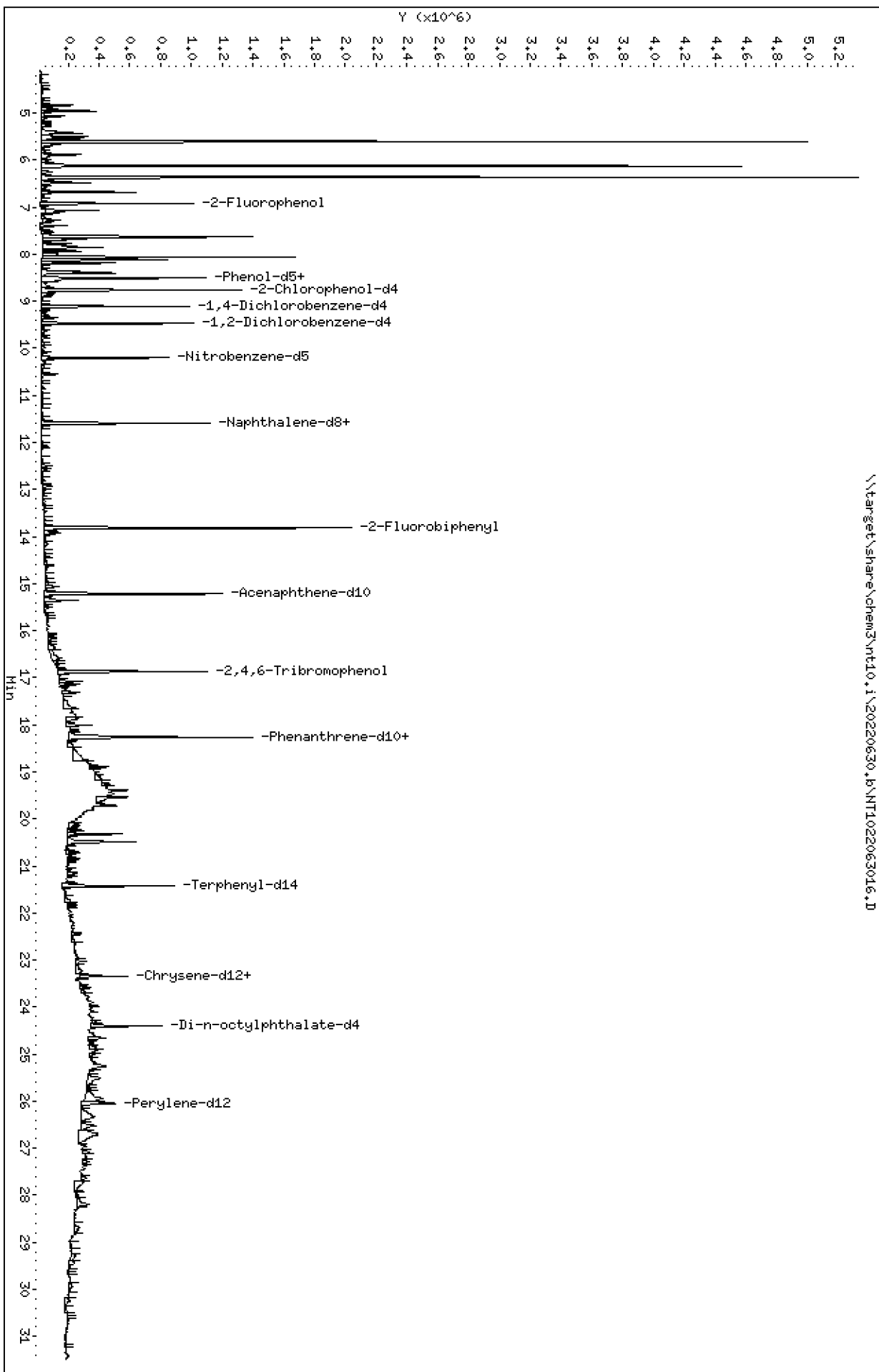
Instrument: nt10.1

Operator: VTS

Column diameter: 0.25

Column phase: ZB-5msi

\\target\share\chem3\nt10.1\20220630.16\NT1022063016.D



Date : 30-JUN-2022 23:17

Client ID:

Instrument: nt10.i

Sample Info: 22F0267-18

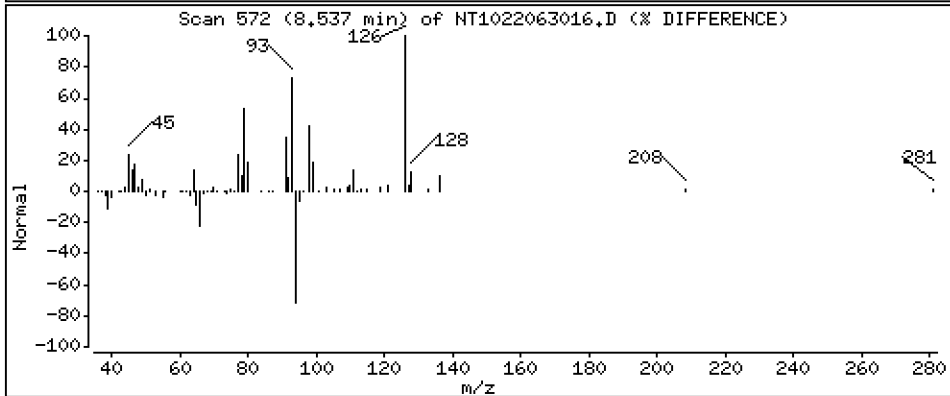
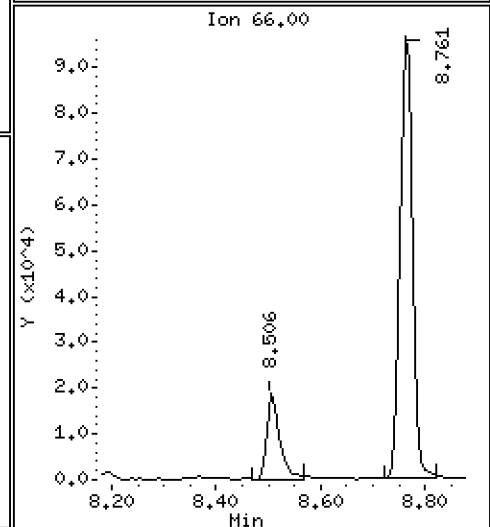
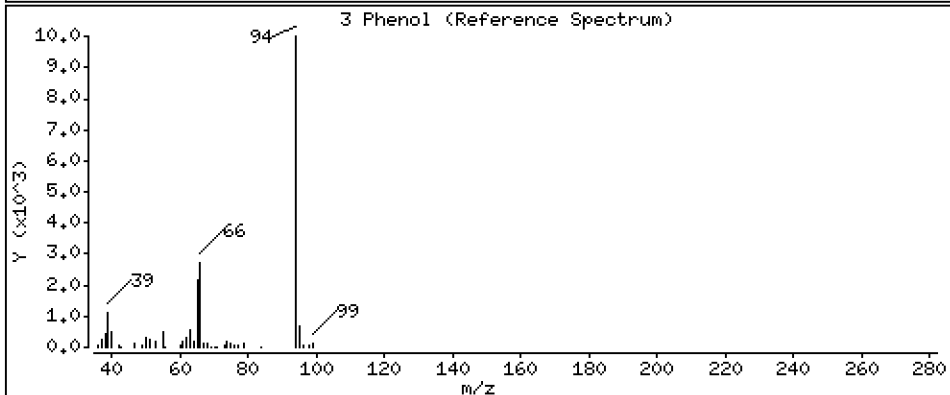
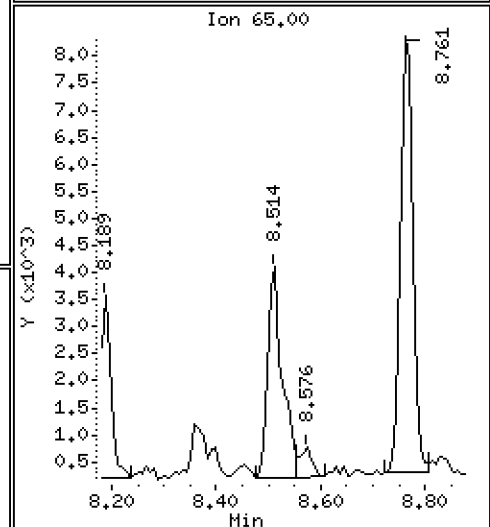
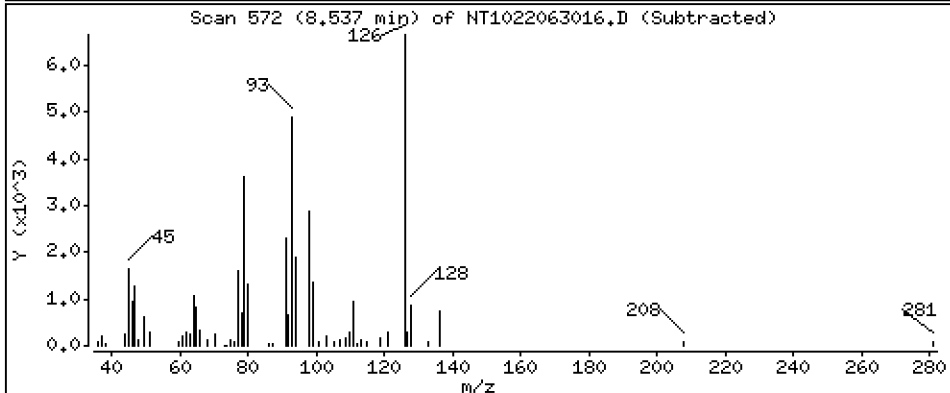
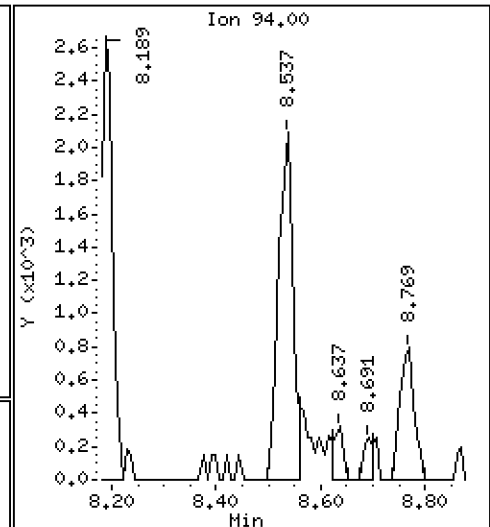
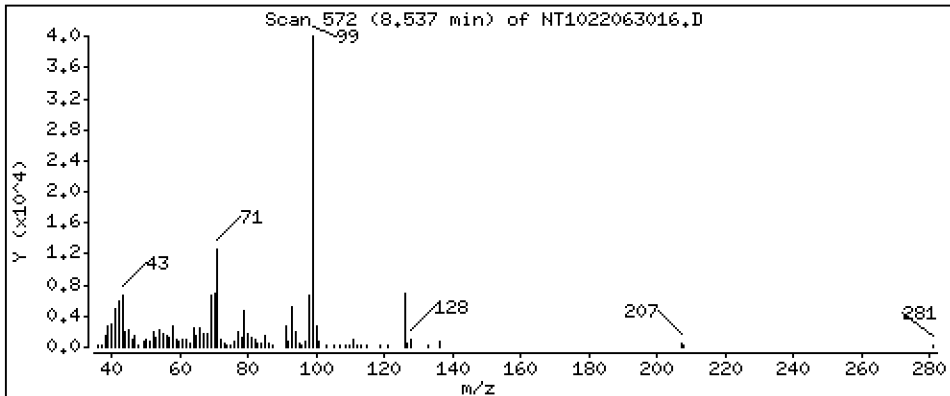
Operator: VTS

Column phase: ZB-5msi

Column diameter: 0,25

3 Phenol

Concentration: 0,03092 ug/mL



Date : 30-JUN-2022 23:17

Client ID:

Instrument: nt10.i

Sample Info: 22F0267-18

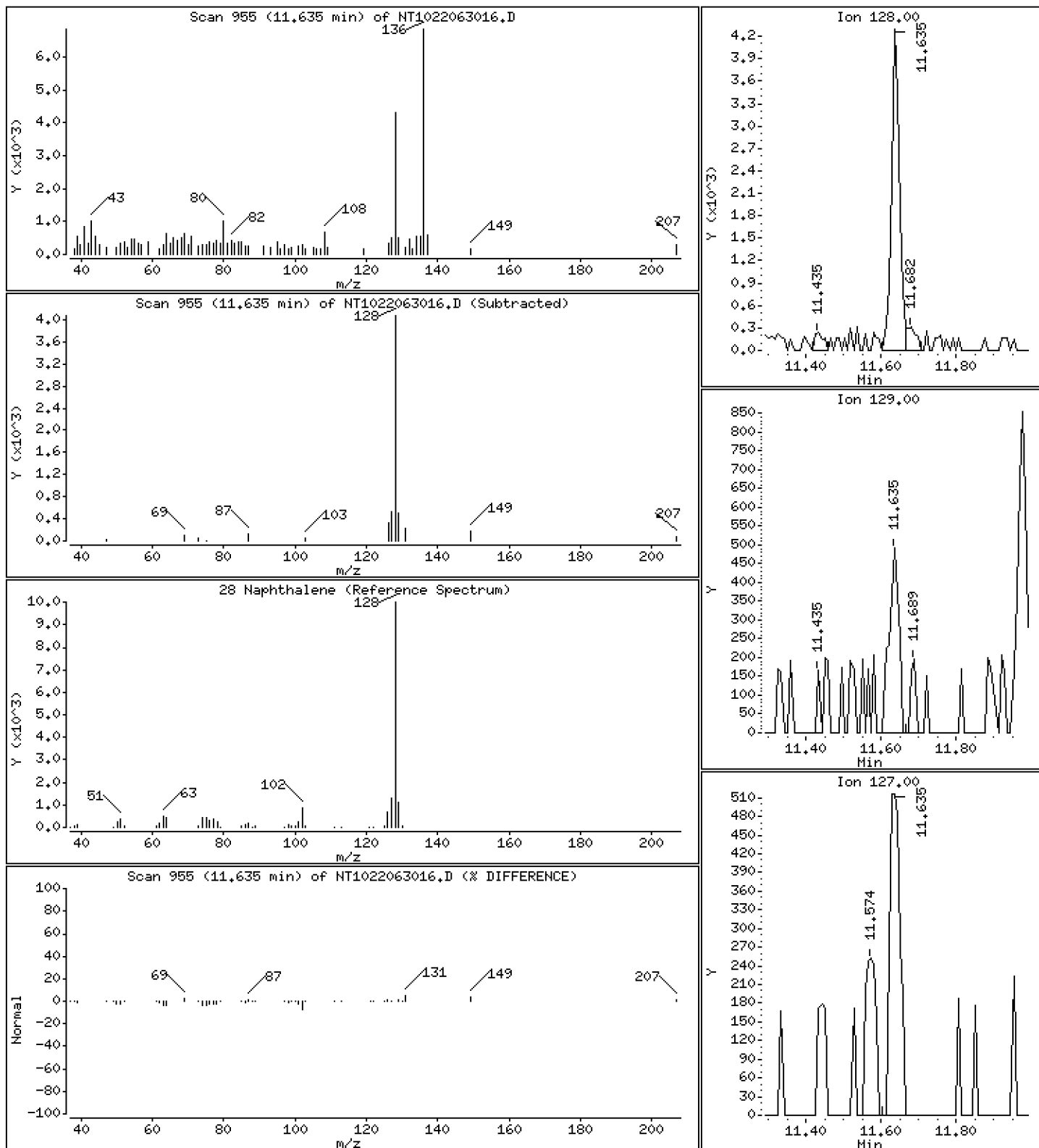
Operator: VTS

Column phase: ZB-5msi

Column diameter: 0.25

28 Naphthalene

Concentration: 0.02694 ug/mL



Date : 30-JUN-2022 23:17

Client ID:

Instrument: nt10.i

Sample Info: 22F0267-18

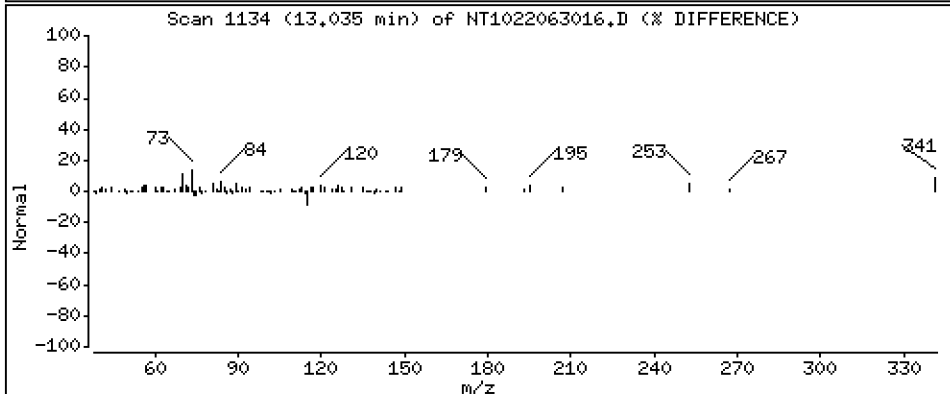
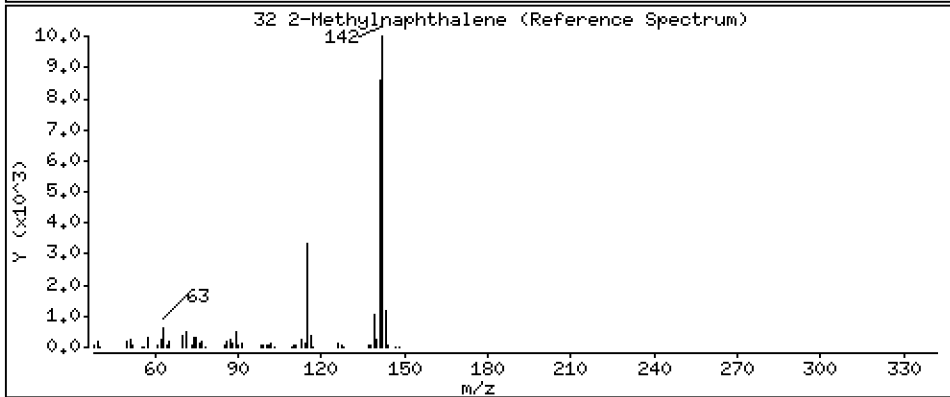
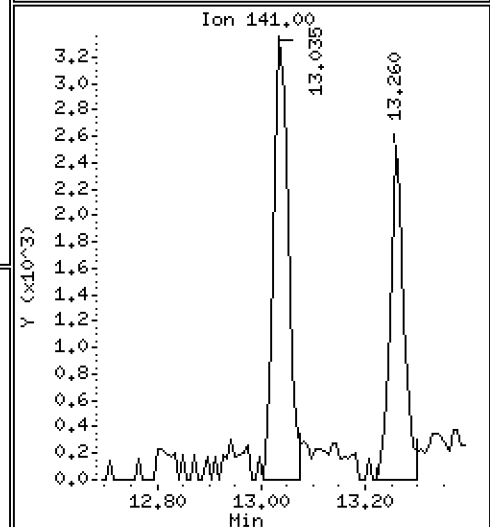
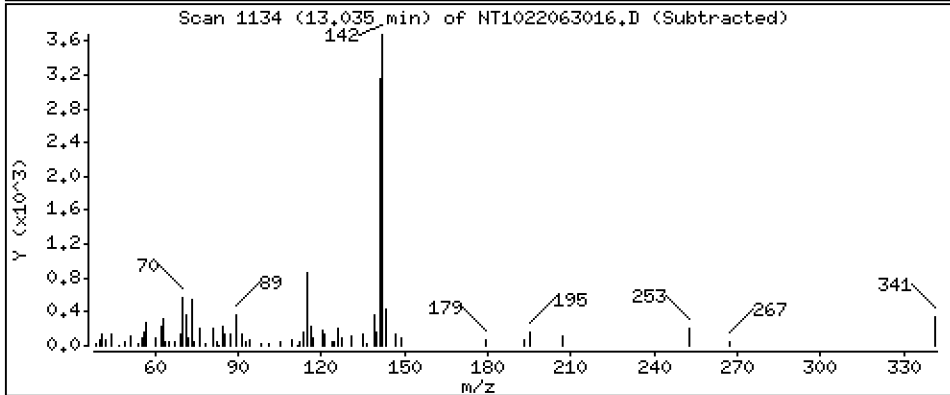
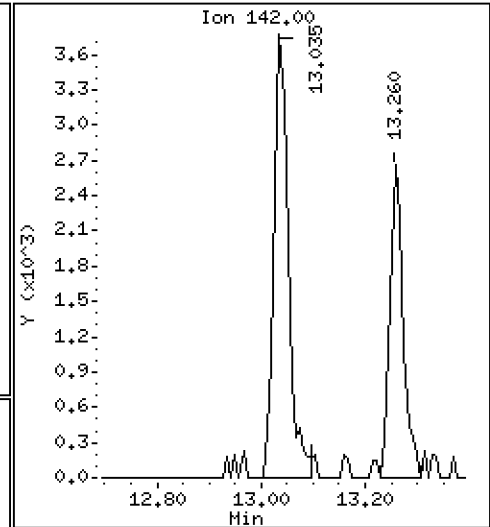
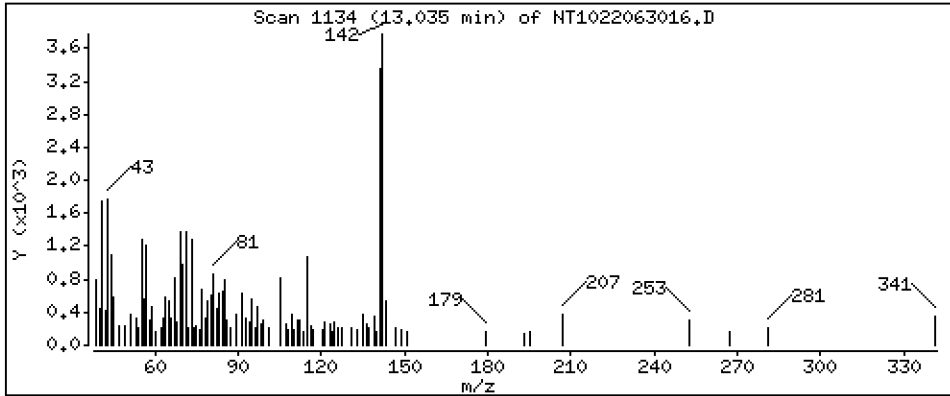
Operator: VTS

Column phase: ZB-5msi

Column diameter: 0.25

32 2-Methylnaphthalene

Concentration: 0.02882 ug/mL



Date : 30-JUN-2022 23:17

Client ID:

Instrument: nt10.i

Sample Info: 22F0267-18

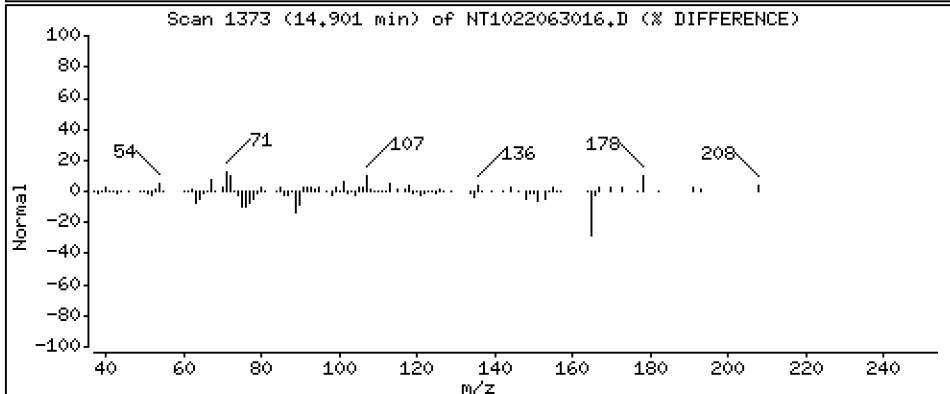
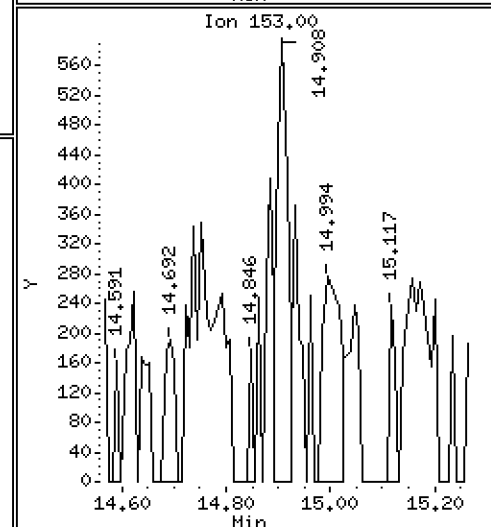
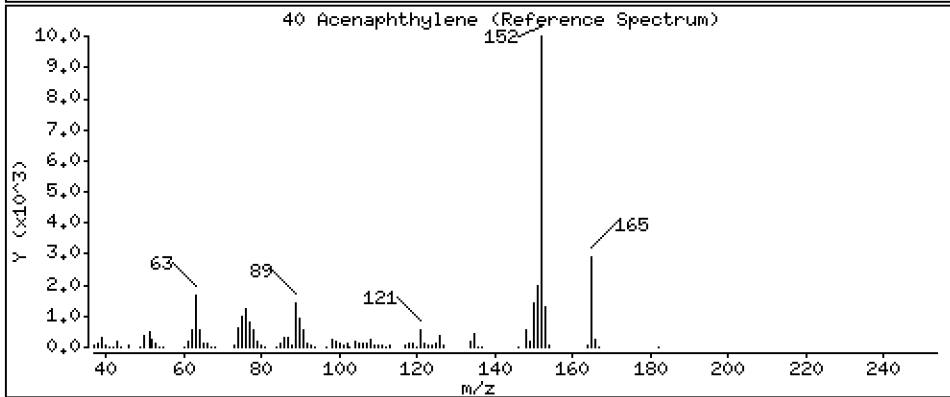
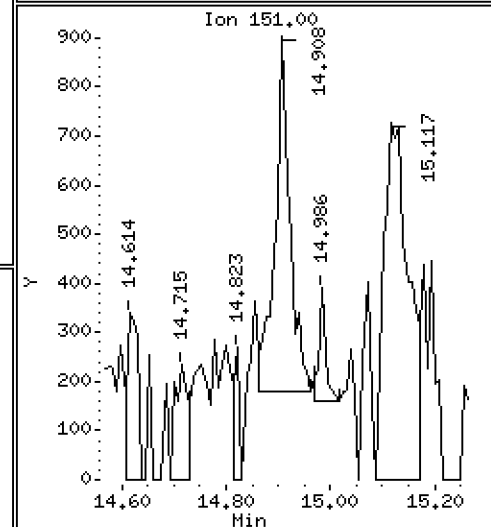
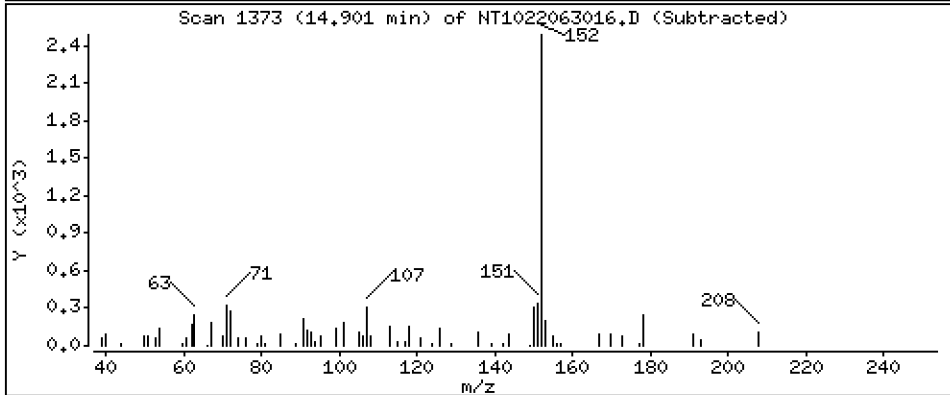
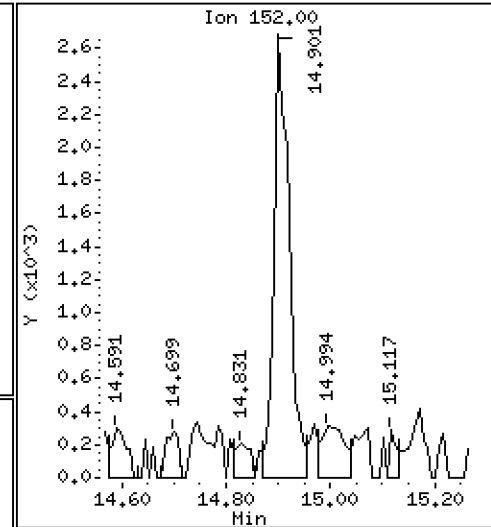
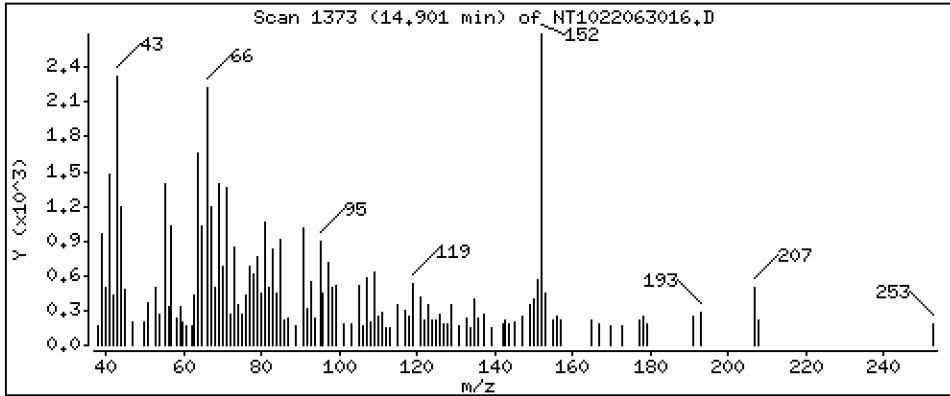
Operator: VTS

Column phase: ZB-5msi

Column diameter: 0.25

40 Acenaphthylene

Concentration: 0.01851 ug/mL



Date : 30-JUN-2022 23:17

Client ID:

Instrument: nt10.i

Sample Info: 22F0267-18

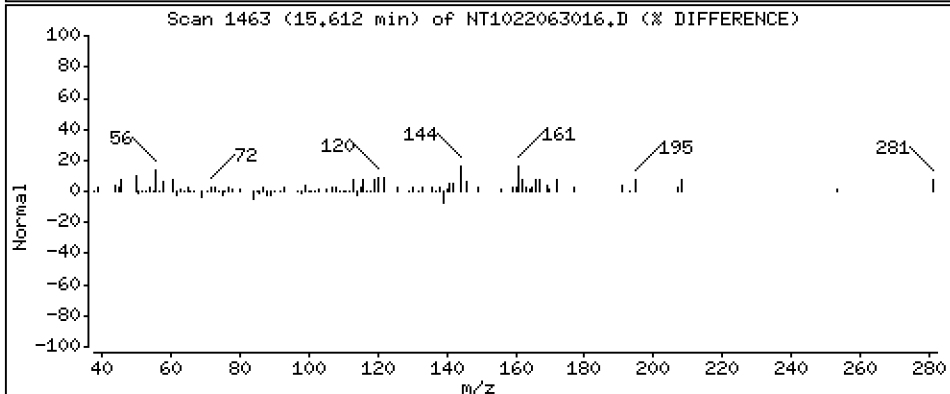
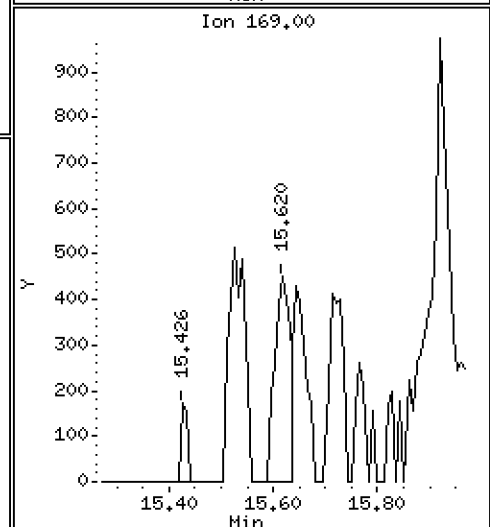
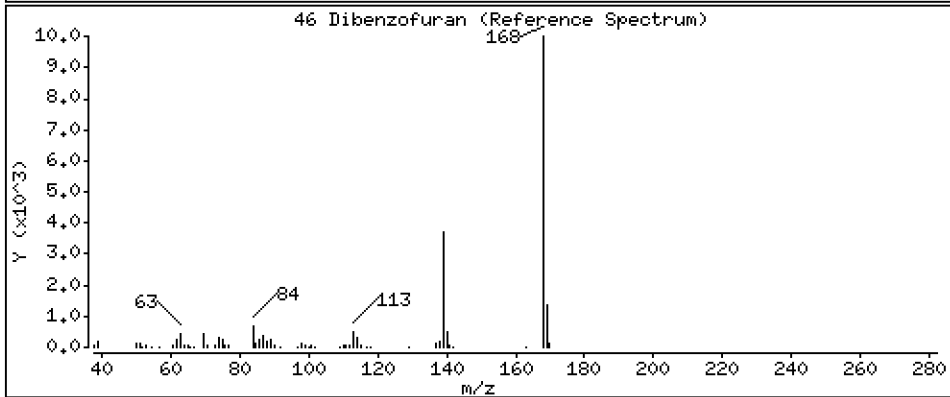
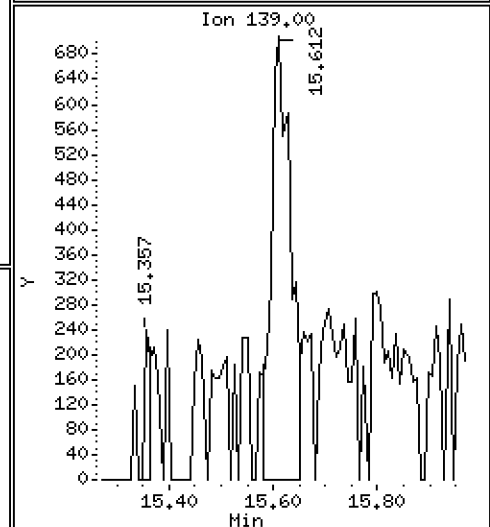
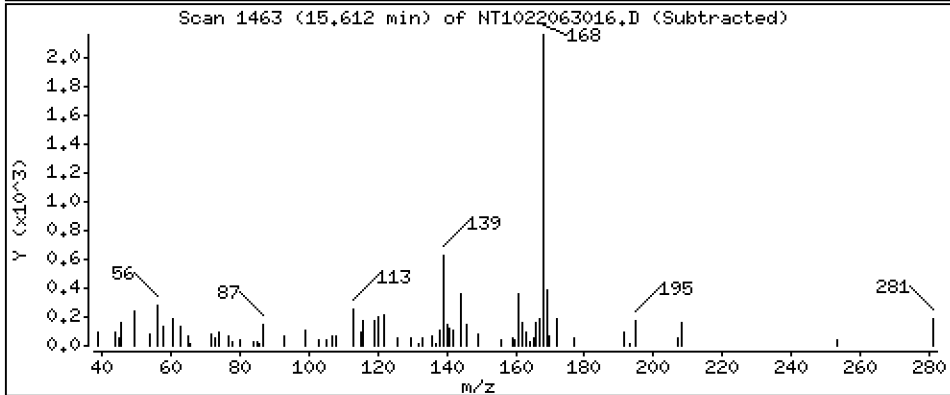
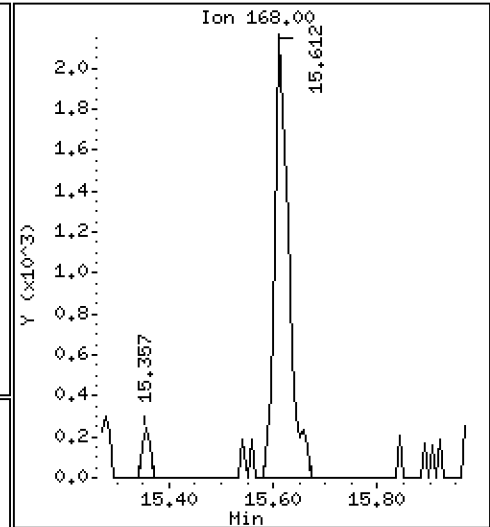
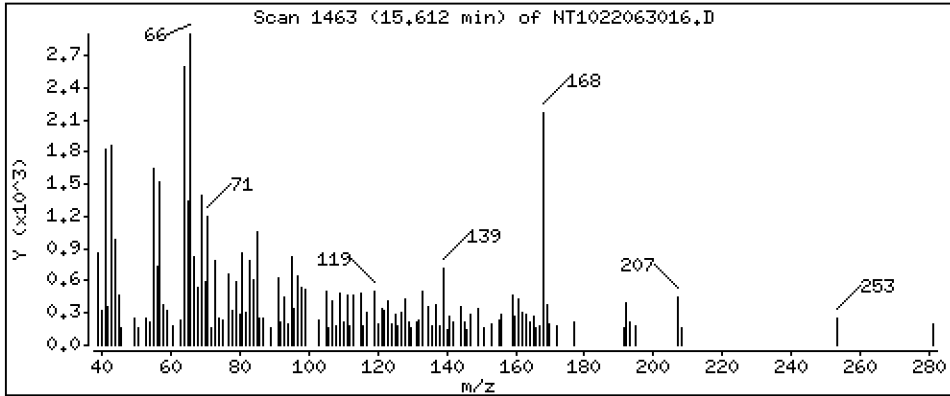
Operator: VTS

Column phase: ZB-5msi

Column diameter: 0,25

46 Dibenzofuran

Concentration: 0,01709 ug/mL



Date : 30-JUN-2022 23:17

Client ID:

Instrument: nt10.i

Sample Info: 22F0267-18

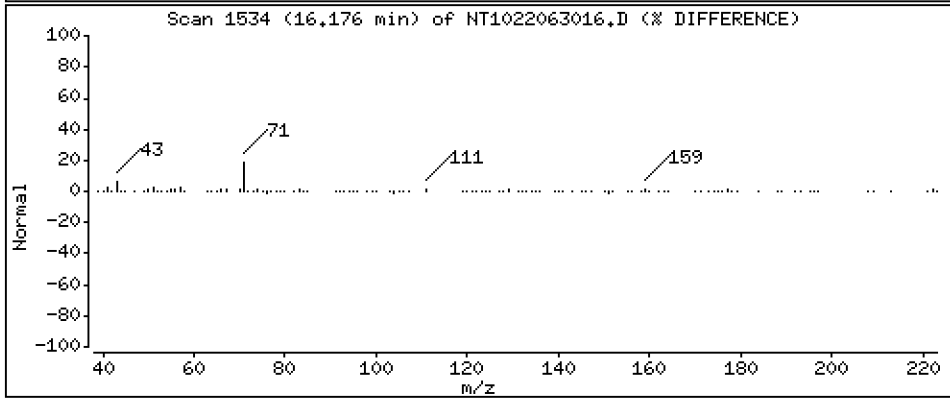
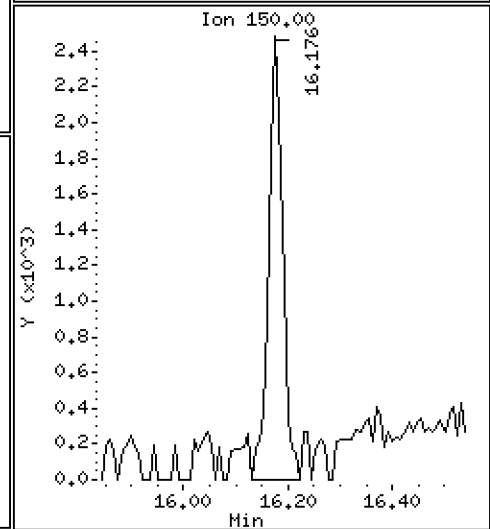
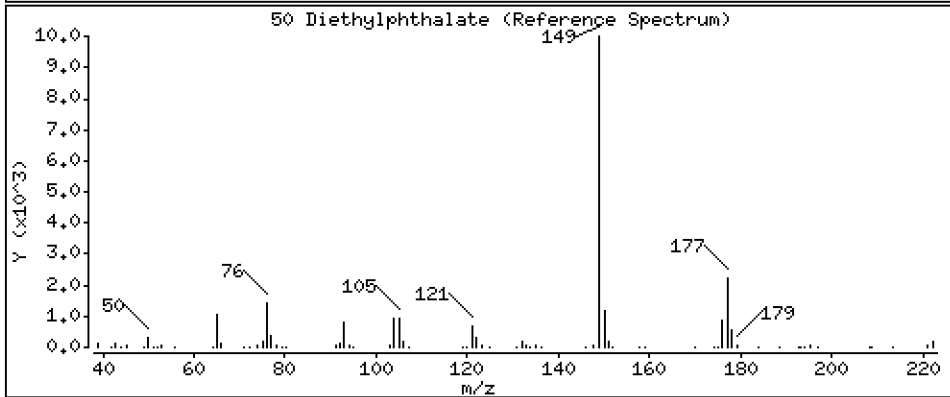
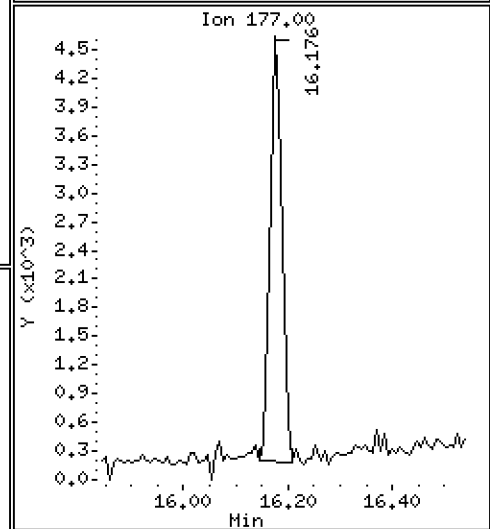
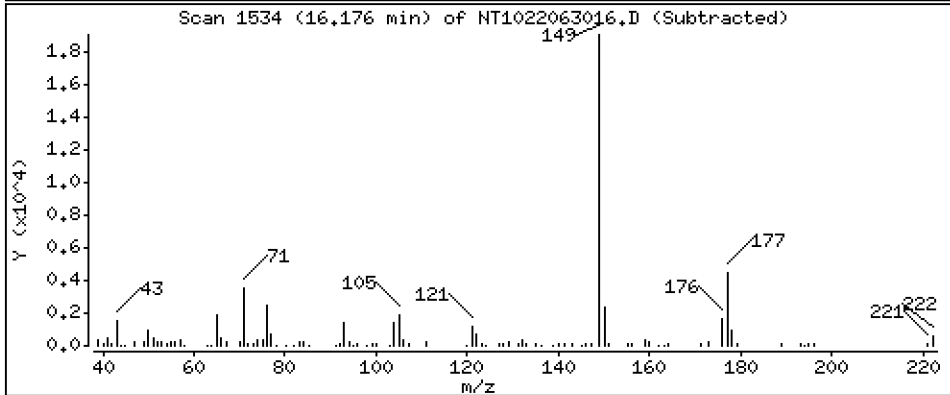
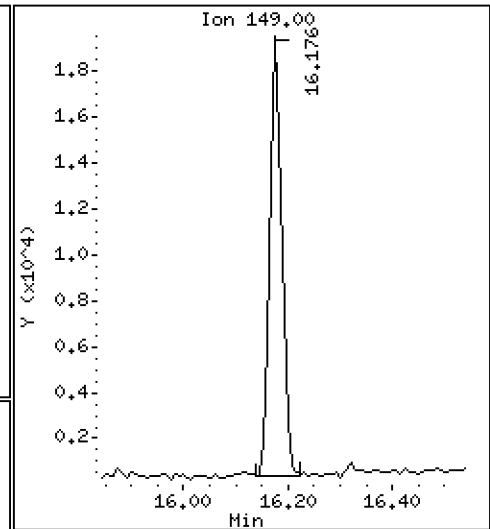
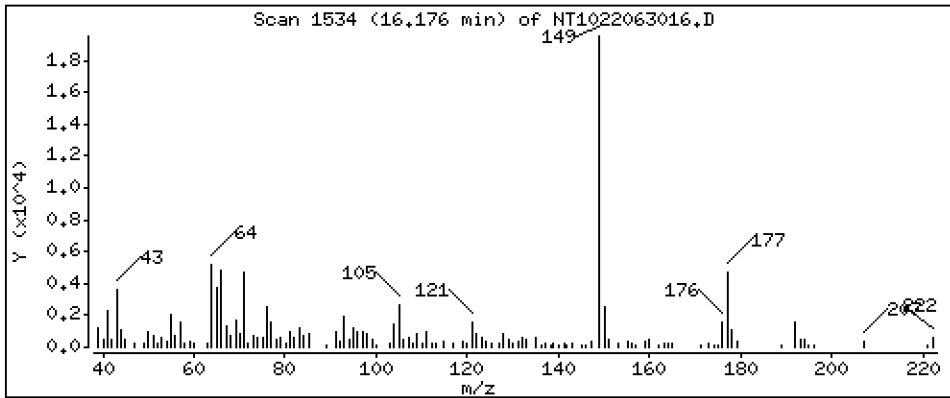
Operator: VTS

Column phase: ZB-5msi

Column diameter: 0,25

50 Diethylphthalate

Concentration: 0,2007 ug/mL



Date : 30-JUN-2022 23:17

Client ID:

Instrument: nt10.i

Sample Info: 22F0267-18

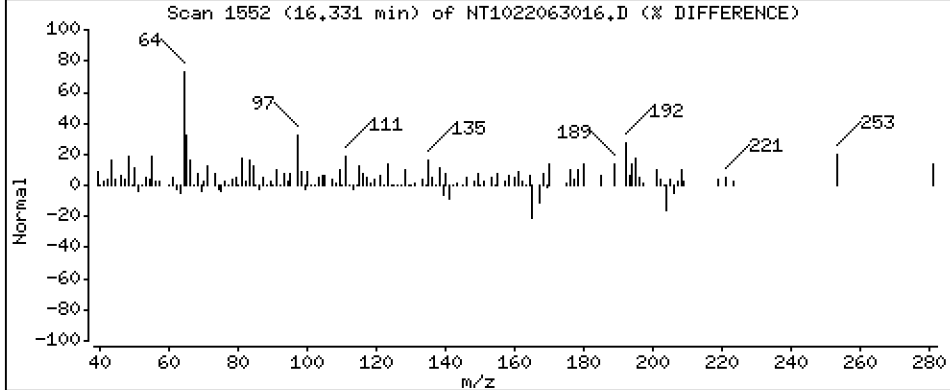
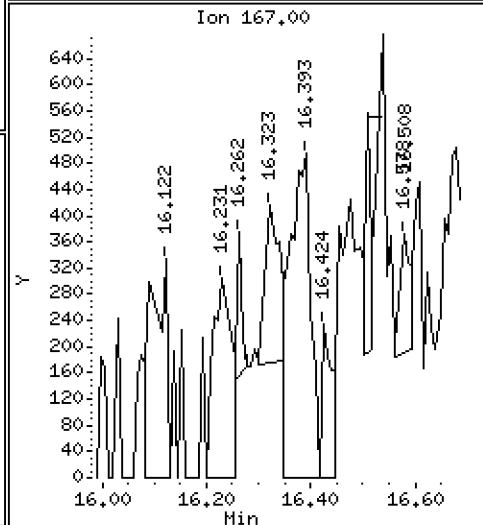
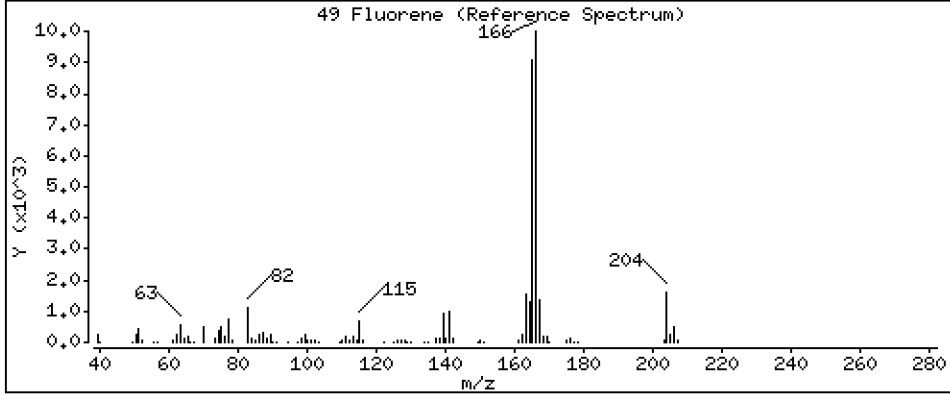
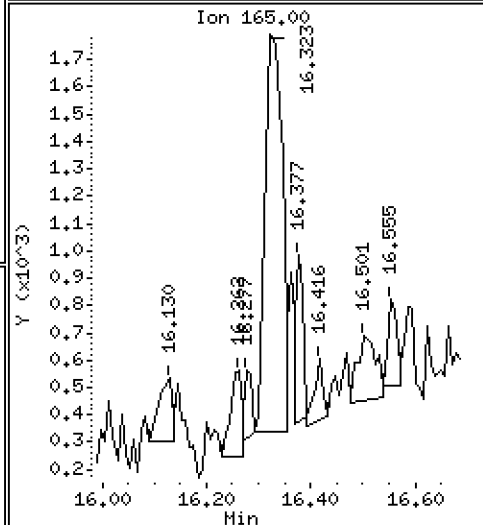
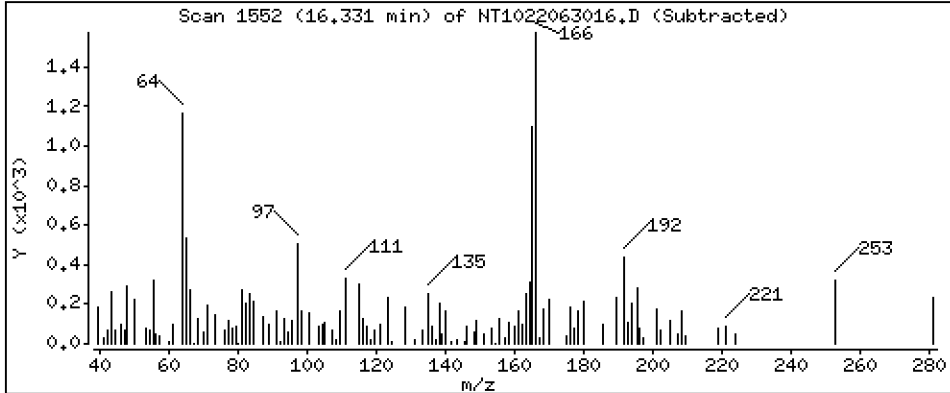
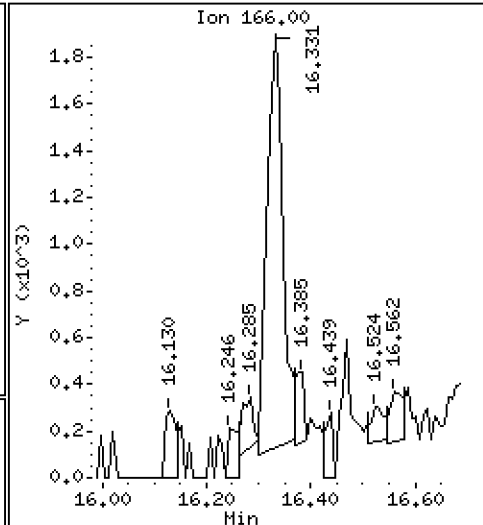
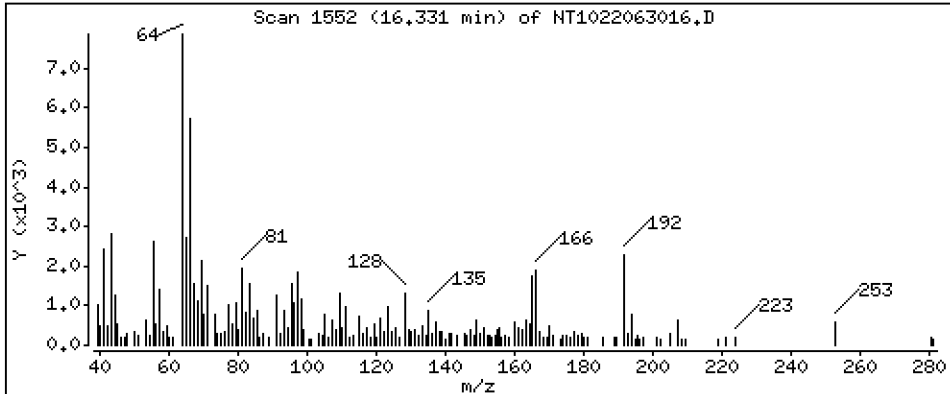
Operator: VTS

Column phase: ZB-5msi

Column diameter: 0.25

49 Fluorene

Concentration: 0.01397 ug/mL



Date : 30-JUN-2022 23:17

Client ID:

Instrument: nt10.i

Sample Info: 22F0267-18

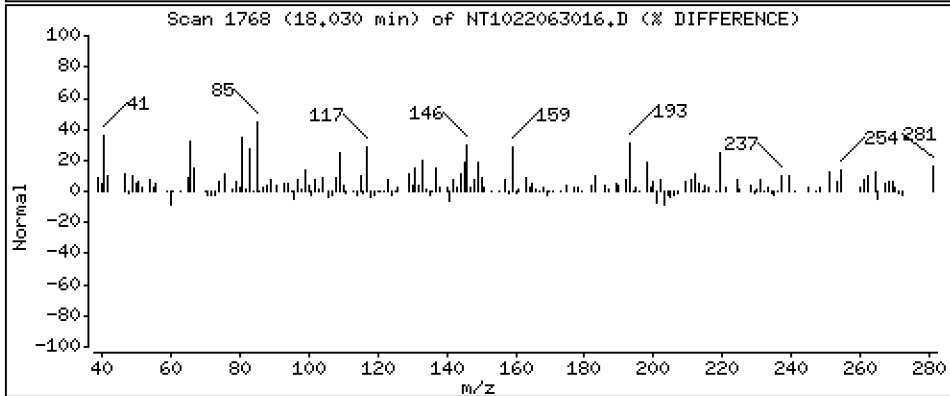
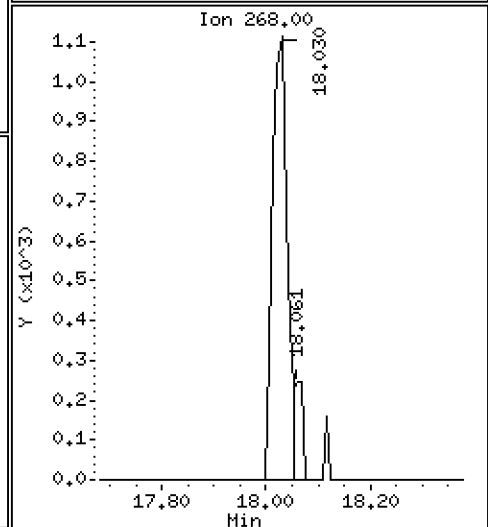
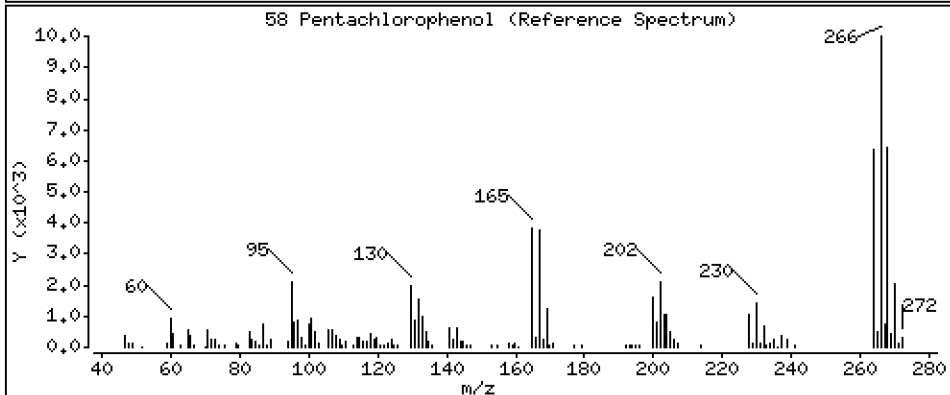
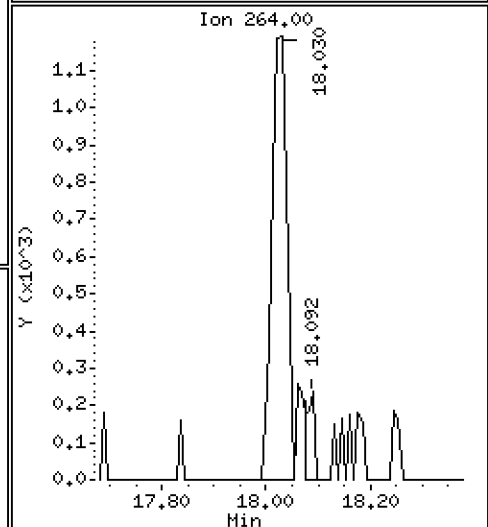
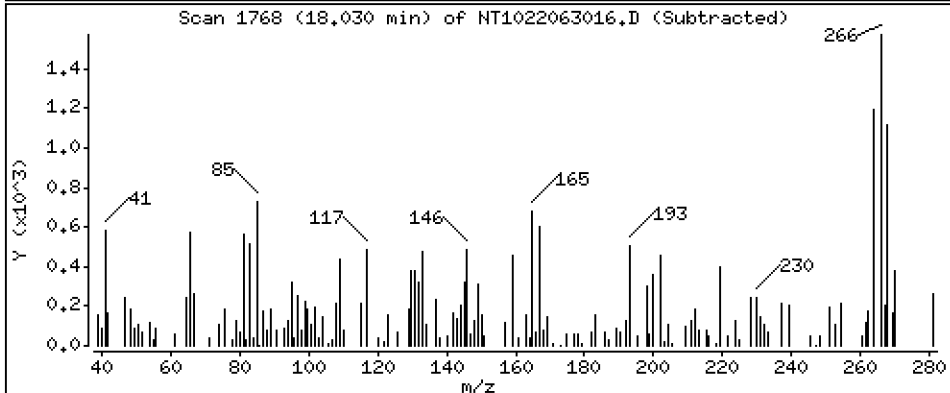
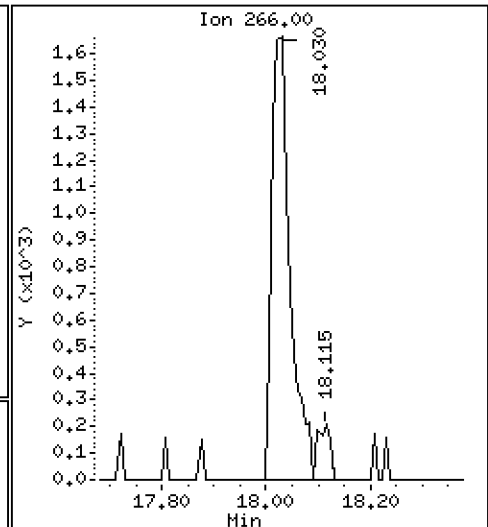
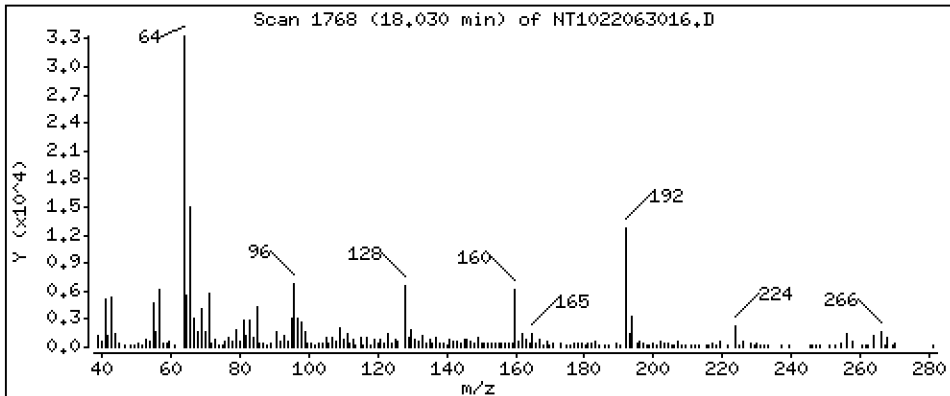
Operator: VTS

Column phase: ZB-5msi

Column diameter: 0,25

58 Pentachlorophenol

Concentration: 0,3247 ug/mL



Date : 30-JUN-2022 23:17

Client ID:

Instrument: nt10.i

Sample Info: 22F0267-18

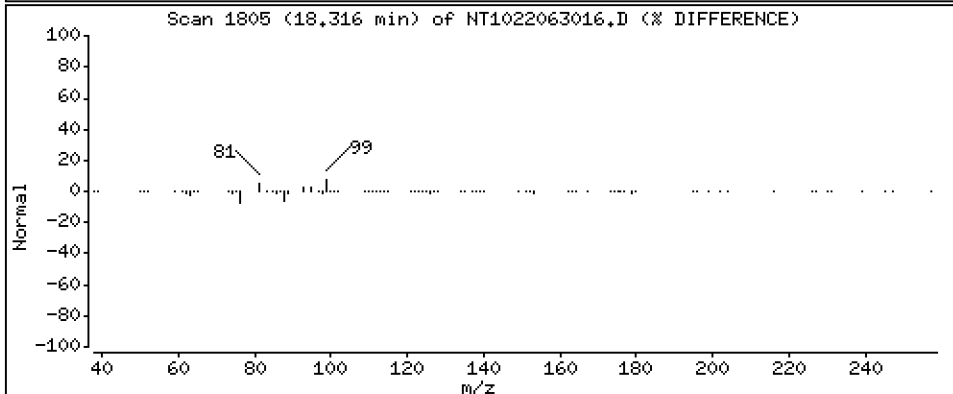
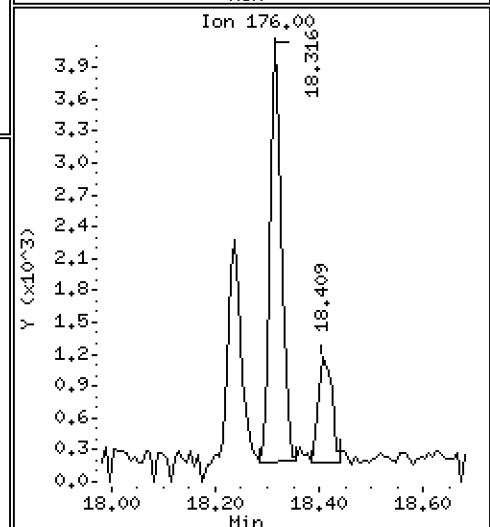
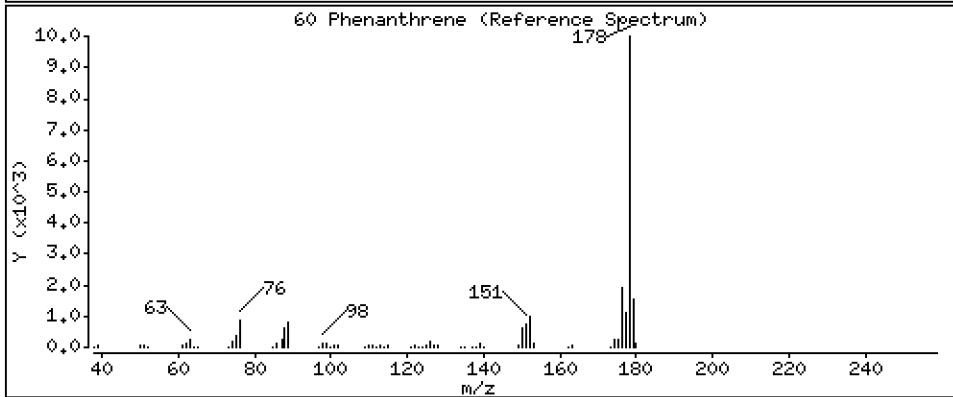
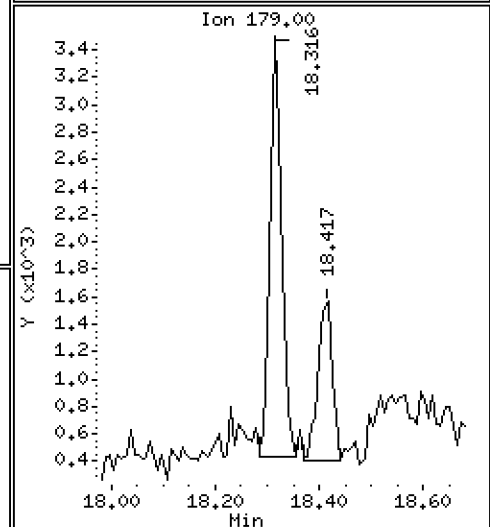
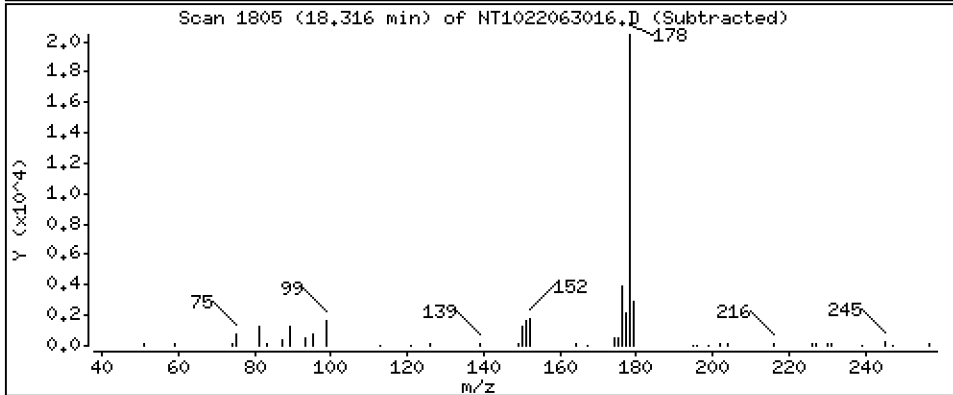
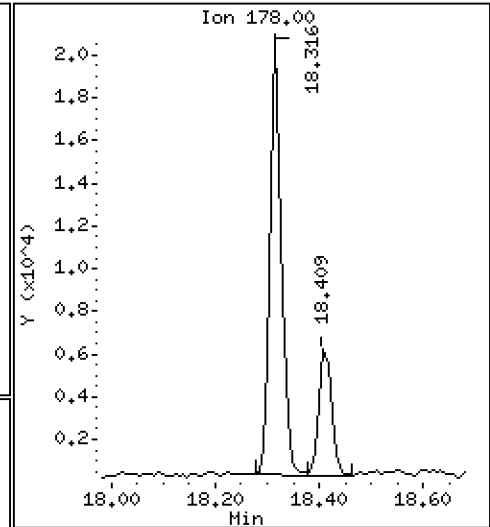
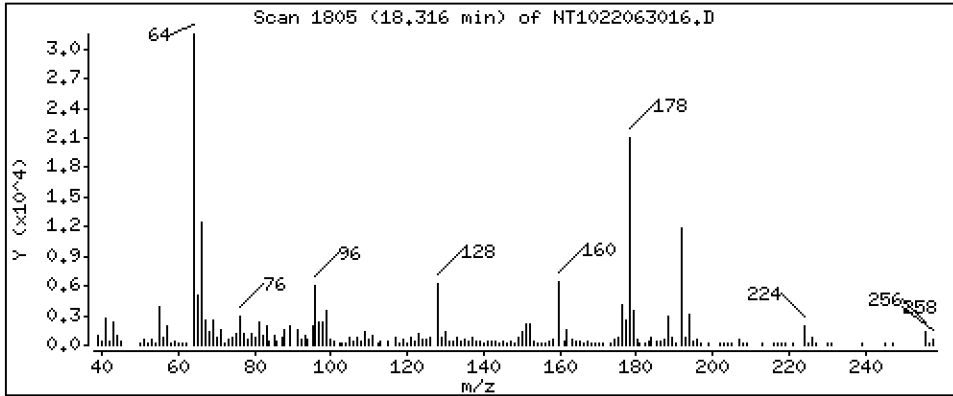
Operator: VTS

Column phase: ZB-5msi

Column diameter: 0,25

60 Phenanthrene

Concentration: 0,1468 ug/mL



Date : 30-JUN-2022 23:17

Client ID:

Instrument: nt10.i

Sample Info: 22F0267-18

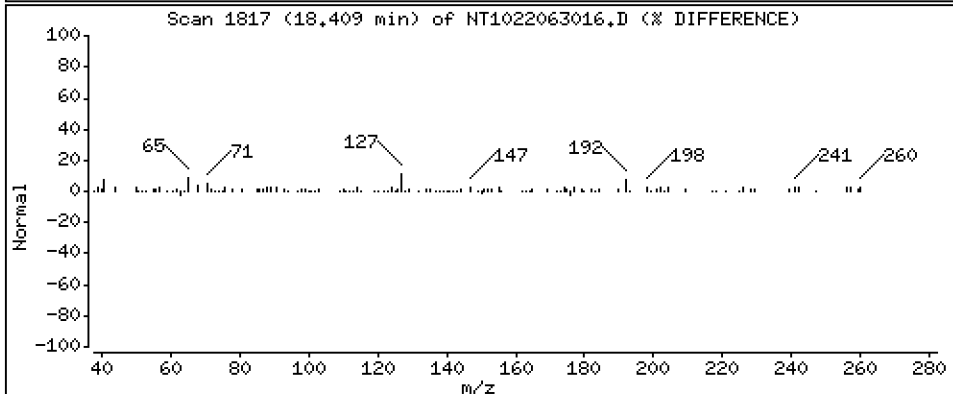
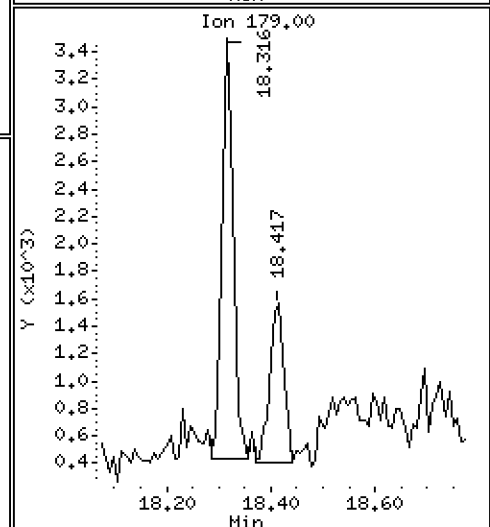
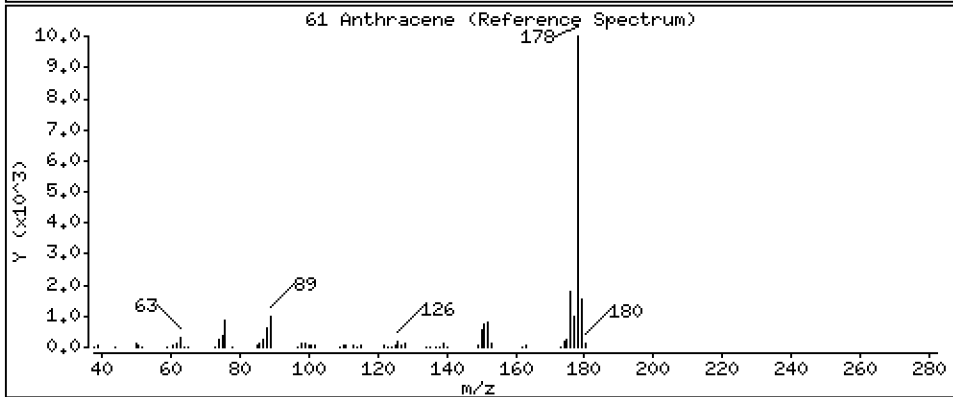
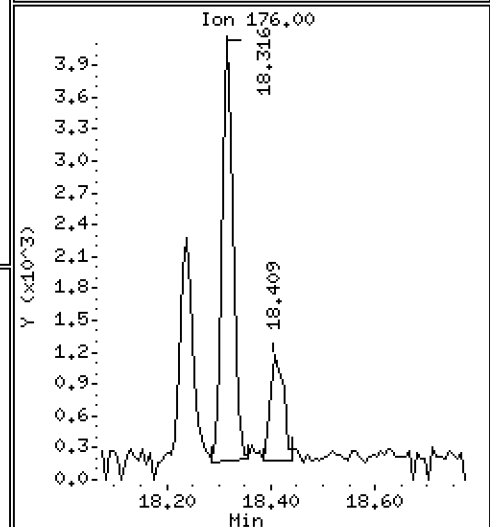
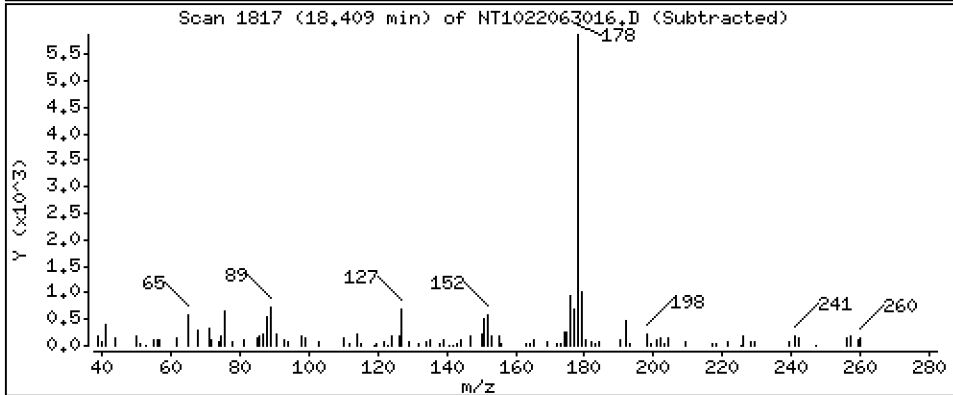
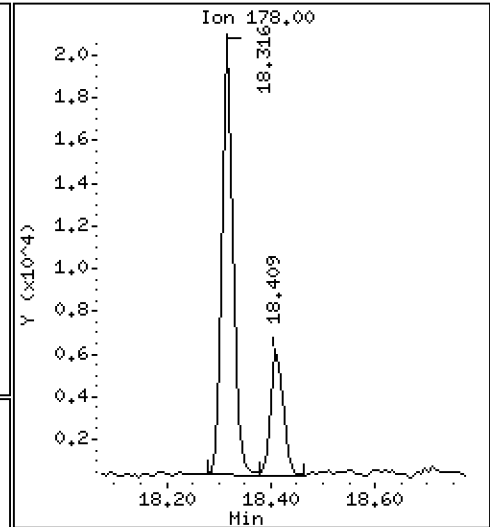
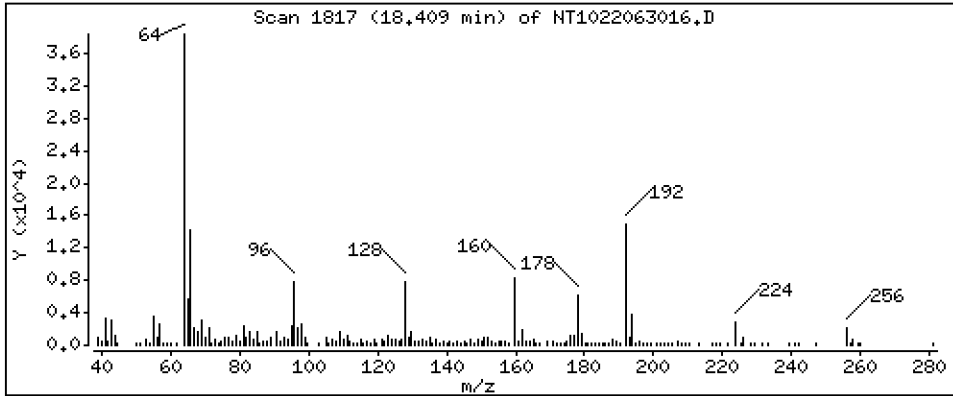
Operator: VTS

Column phase: ZB-5msi

Column diameter: 0,25

61 Anthracene

Concentration: 0,04186 ug/mL



Date : 30-JUN-2022 23:17

Client ID:

Instrument: nt10.i

Sample Info: 22F0267-18

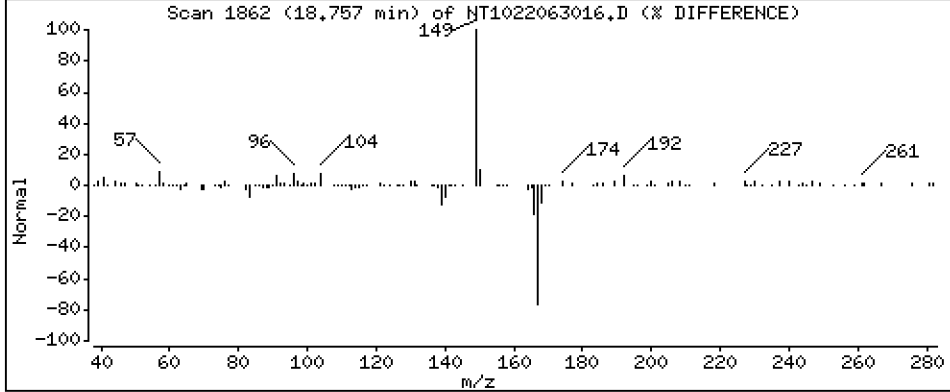
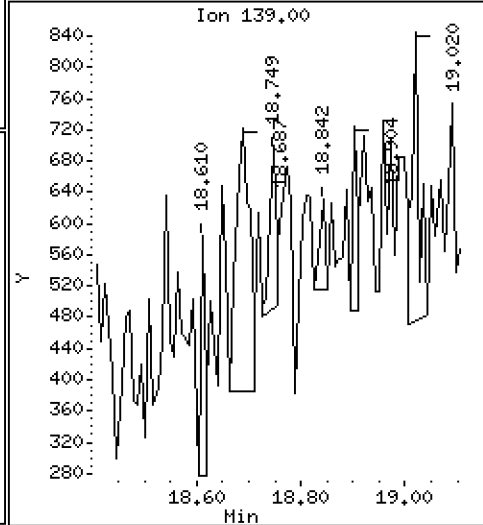
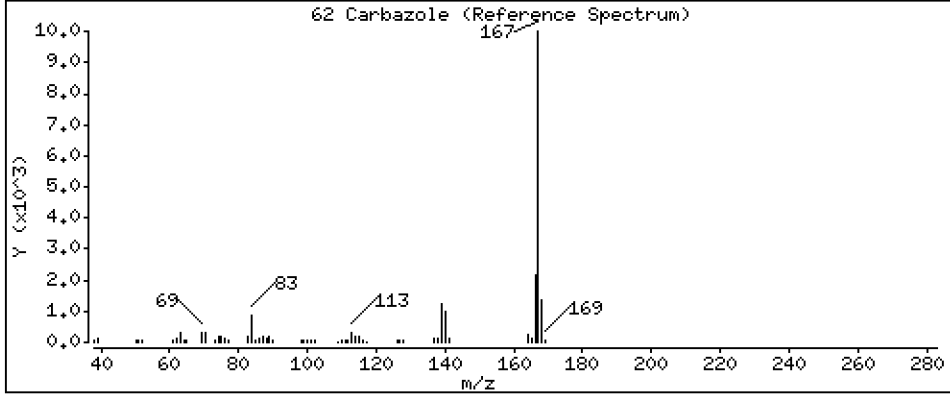
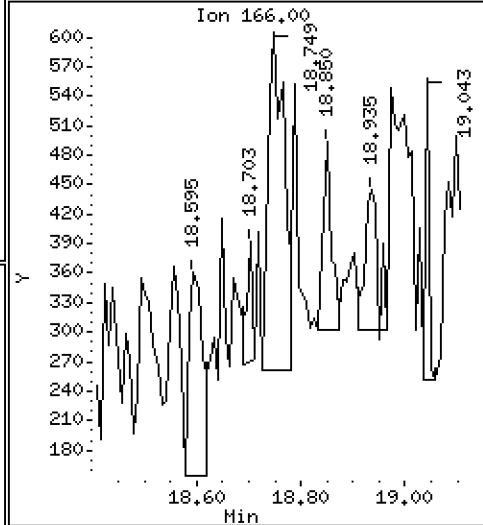
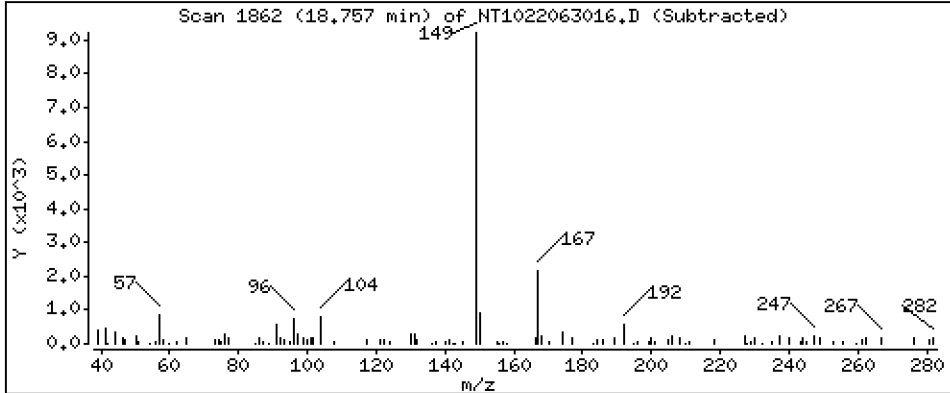
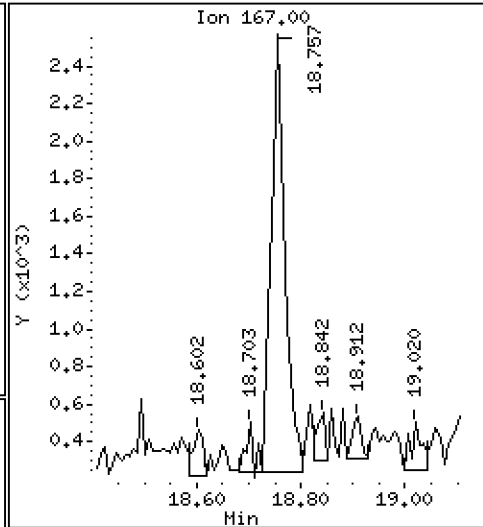
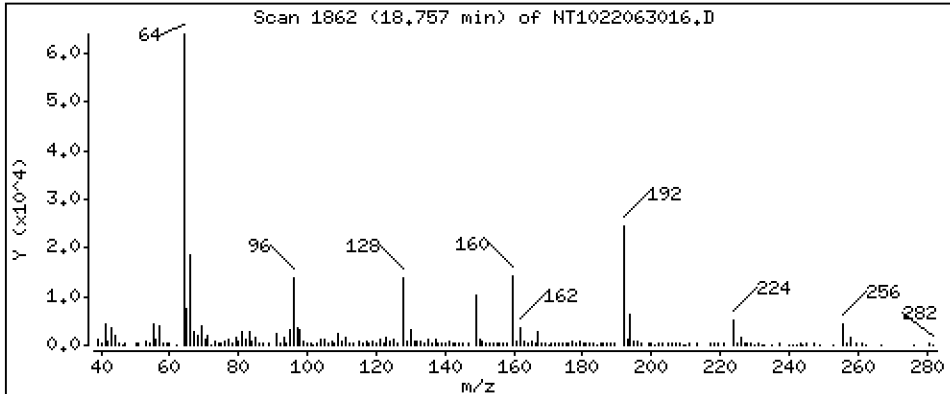
Operator: VTS

Column phase: ZB-5msi

Column diameter: 0.25

62 Carbazole

Concentration: 0.01947 ug/mL



Date : 30-JUN-2022 23:17

Client ID:

Instrument: nt10.i

Sample Info: 22F0267-18

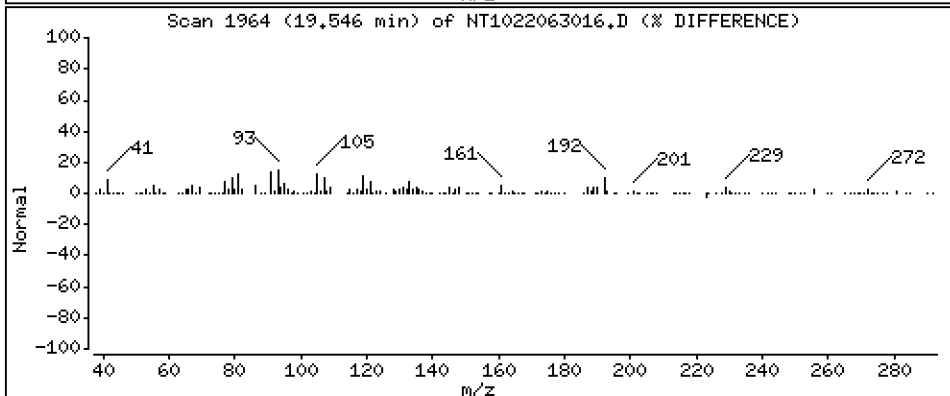
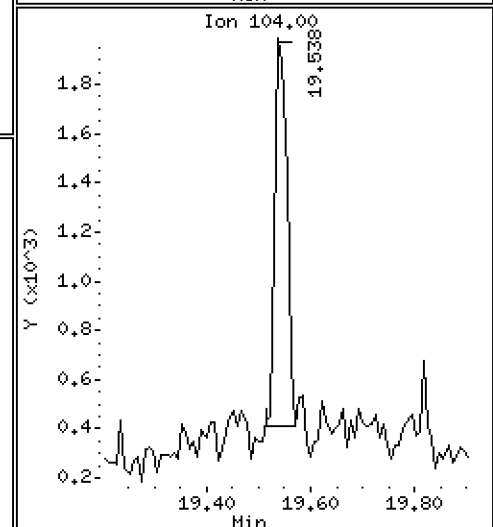
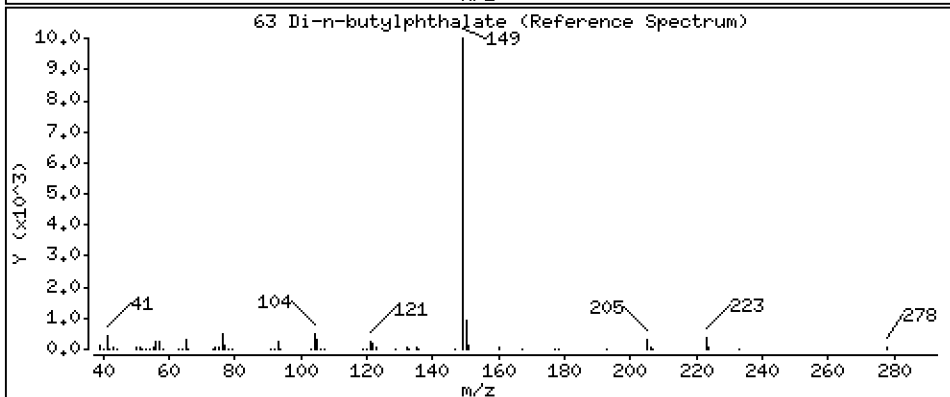
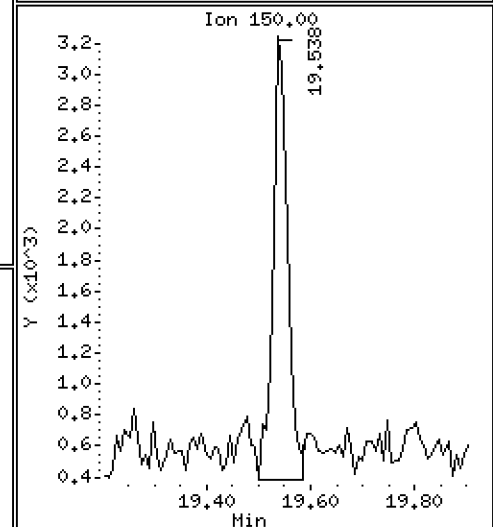
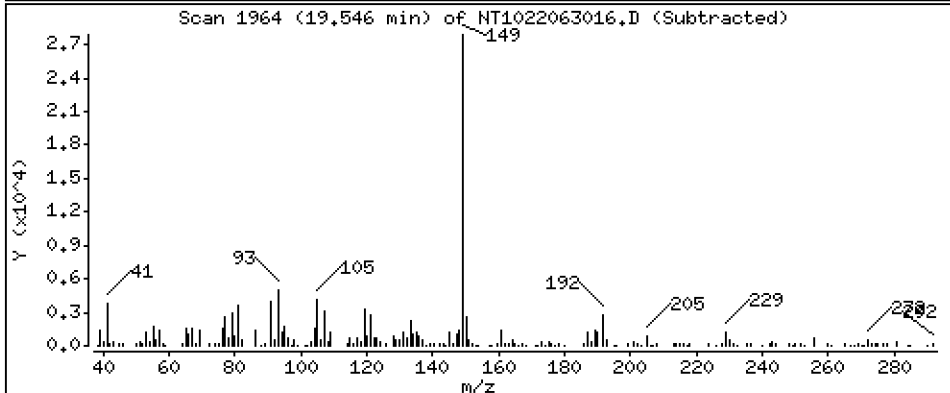
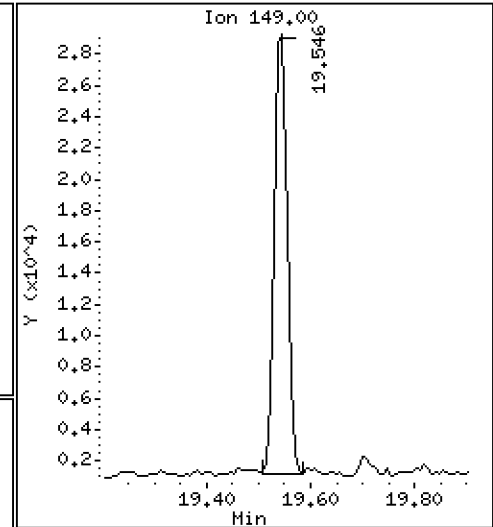
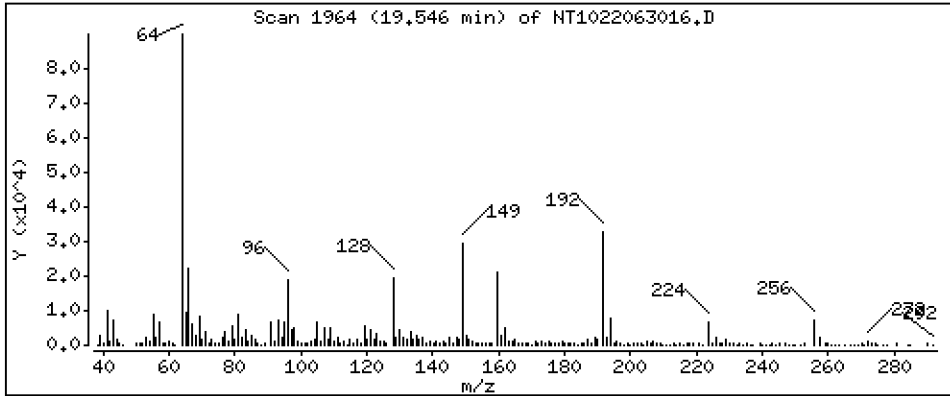
Operator: VTS

Column phase: ZB-5msi

Column diameter: 0,25

63 Di-n-butylphthalate

Concentration: 0,1478 ug/mL



Date : 30-JUN-2022 23:17

Client ID:

Instrument: nt10.i

Sample Info: 22F0267-18

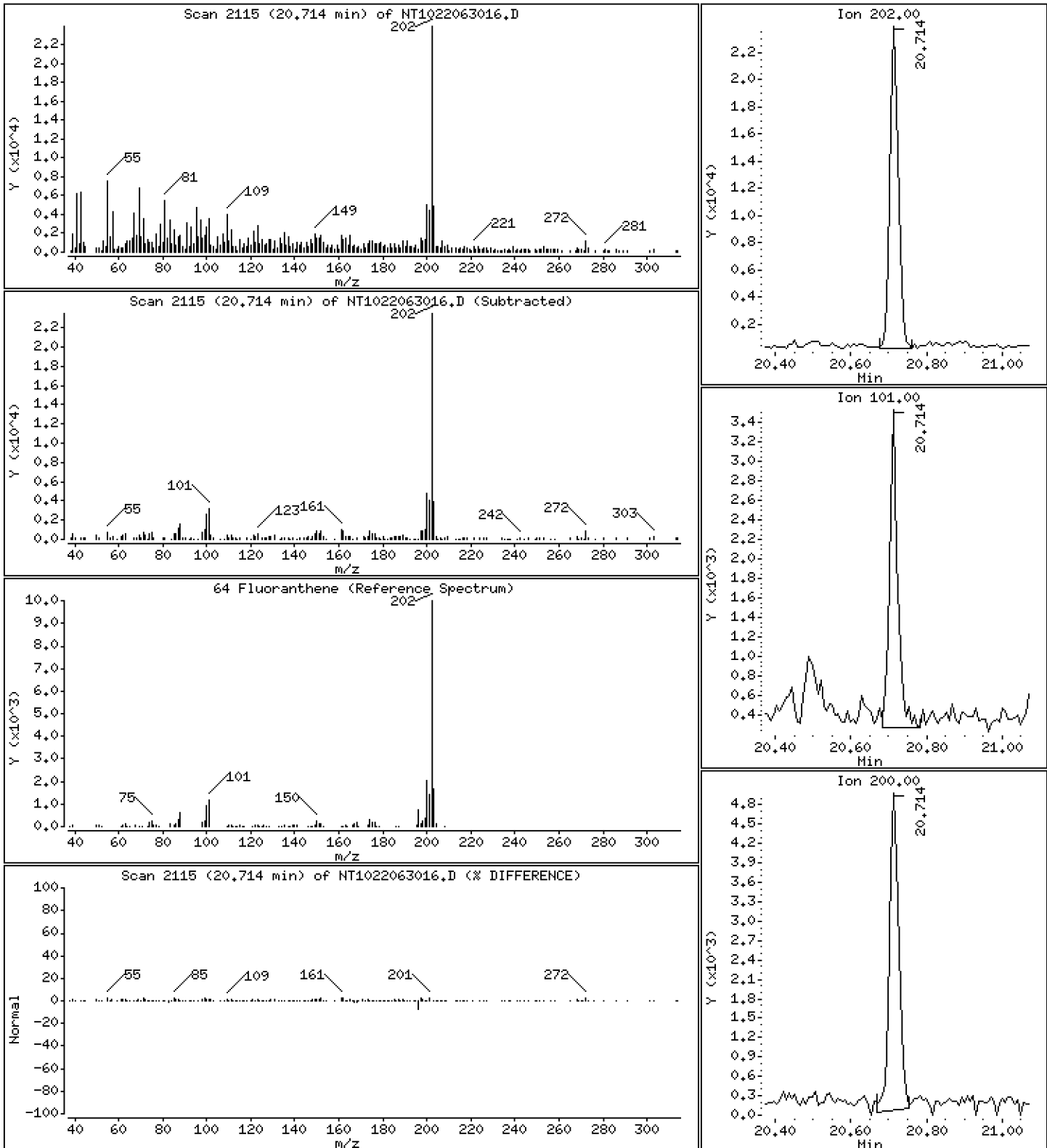
Operator: VTS

Column phase: ZB-5msi

Column diameter: 0,25

64 Fluoranthene

Concentration: 0,3387 ug/mL



Date : 30-JUN-2022 23:17

Client ID:

Instrument: nt10.i

Sample Info: 22F0267-18

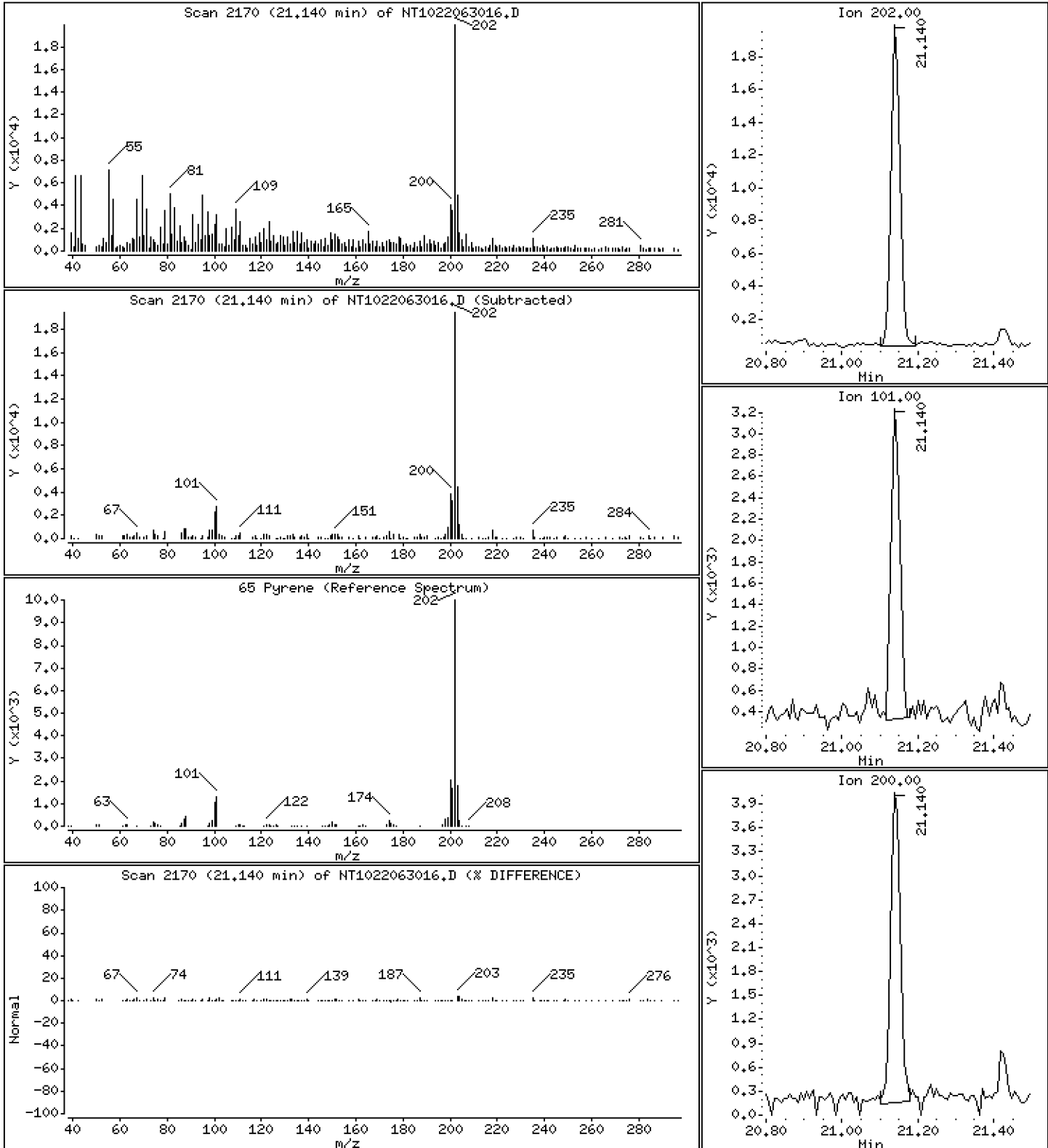
Operator: VTS

Column phase: ZB-5msi

Column diameter: 0,25

65 Pyrene

Concentration: 0,3358 ug/mL



Date : 30-JUN-2022 23:17

Client ID:

Instrument: nt10.i

Sample Info: 22F0267-18

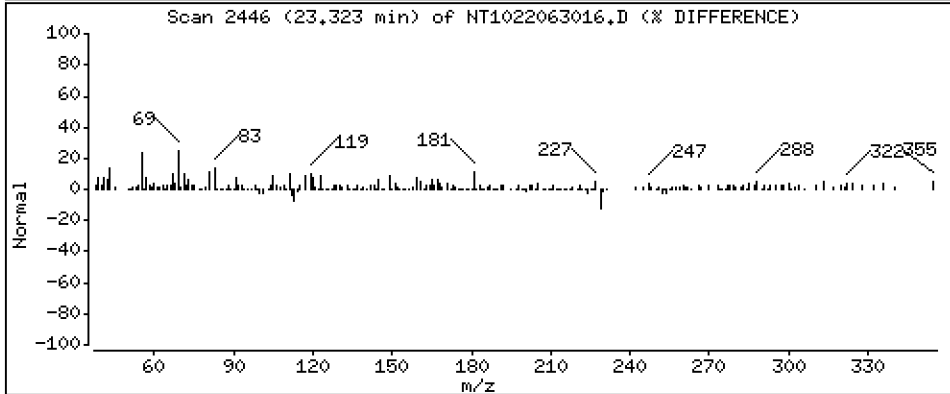
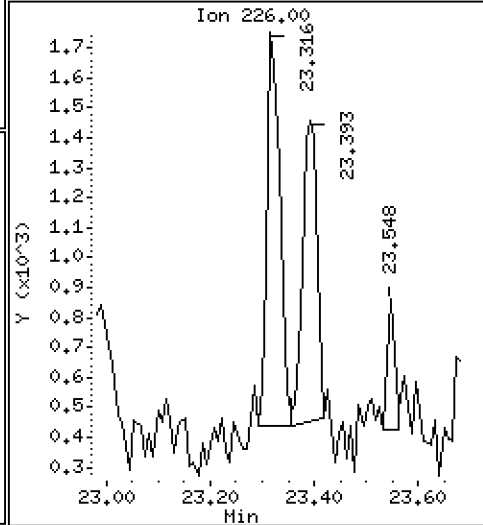
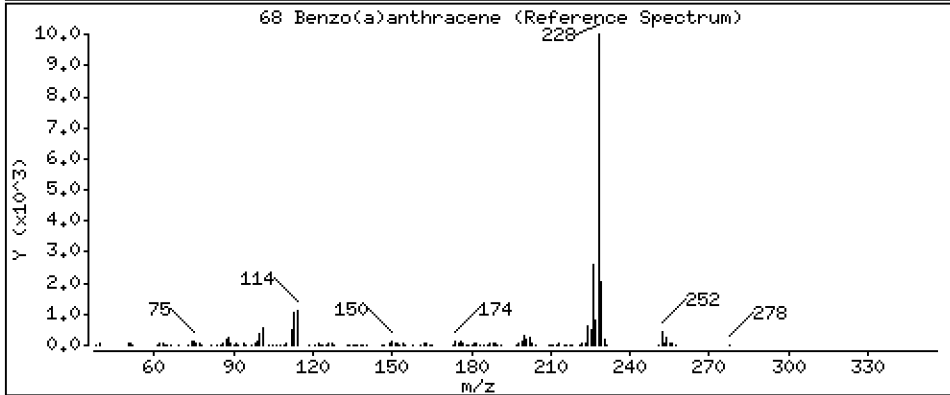
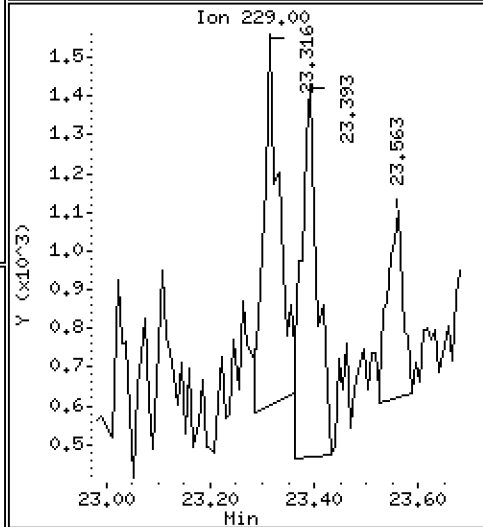
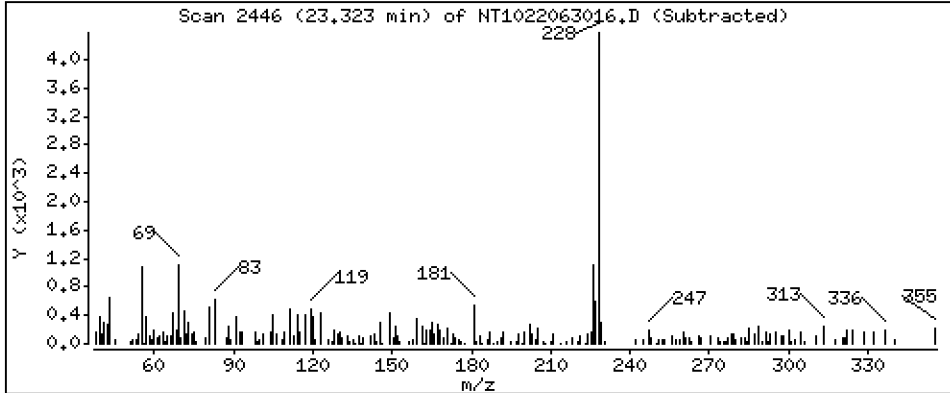
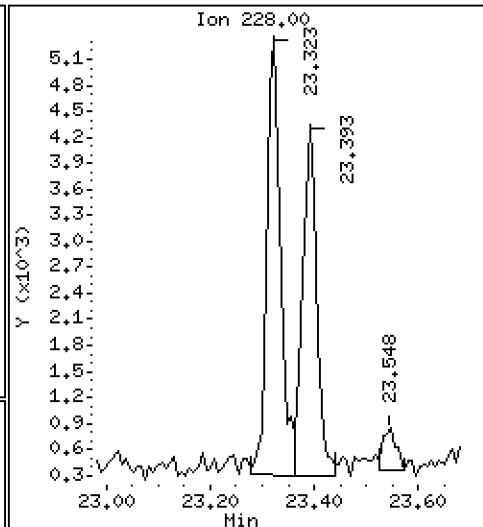
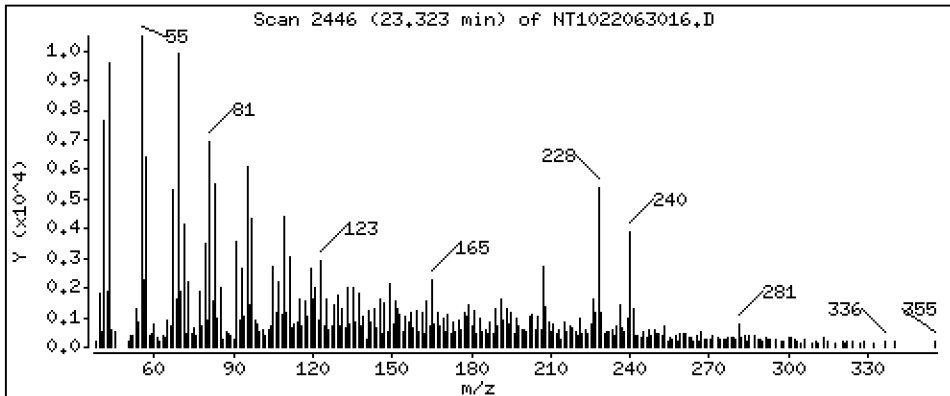
Operator: VTS

Column phase: ZB-5msi

Column diameter: 0,25

68 Benzo(a)anthracene

Concentration: 0,1405 ug/mL



Date : 30-JUN-2022 23:17

Client ID:

Instrument: nt10.i

Sample Info: 22F0267-18

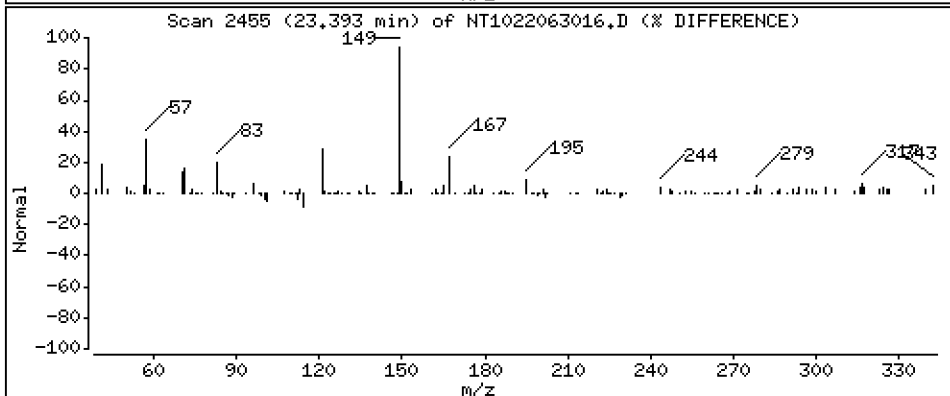
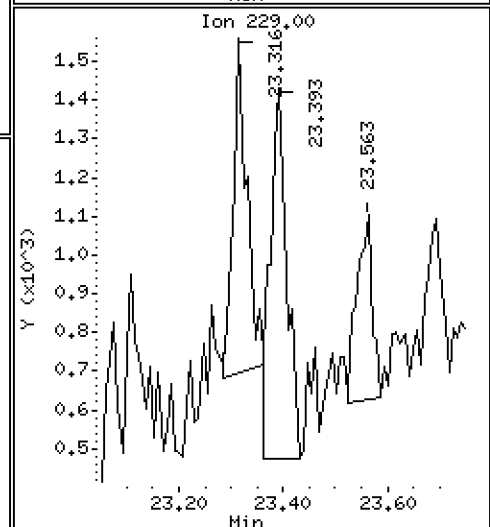
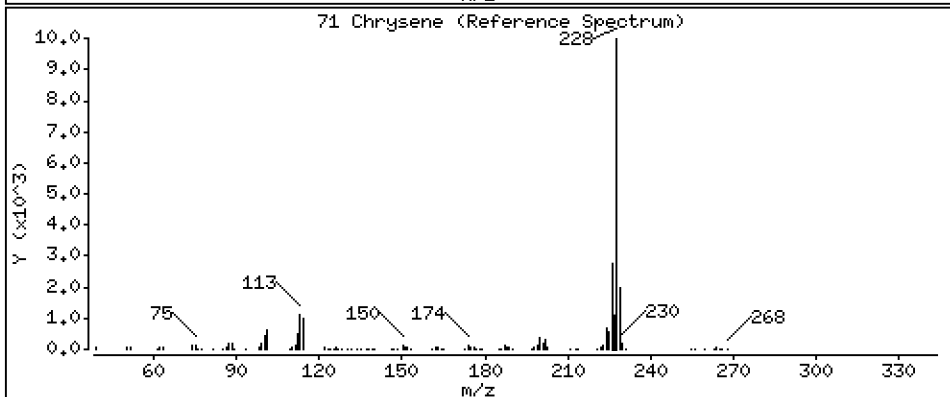
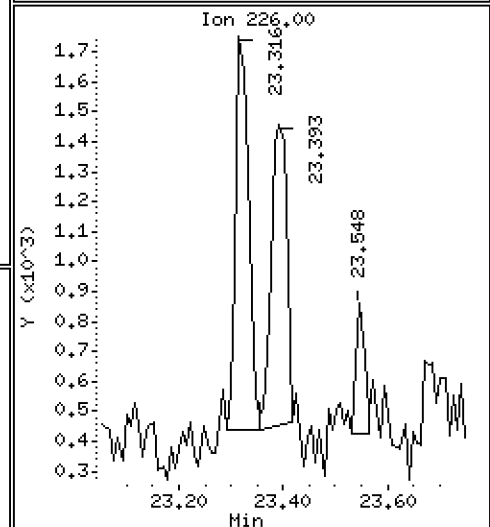
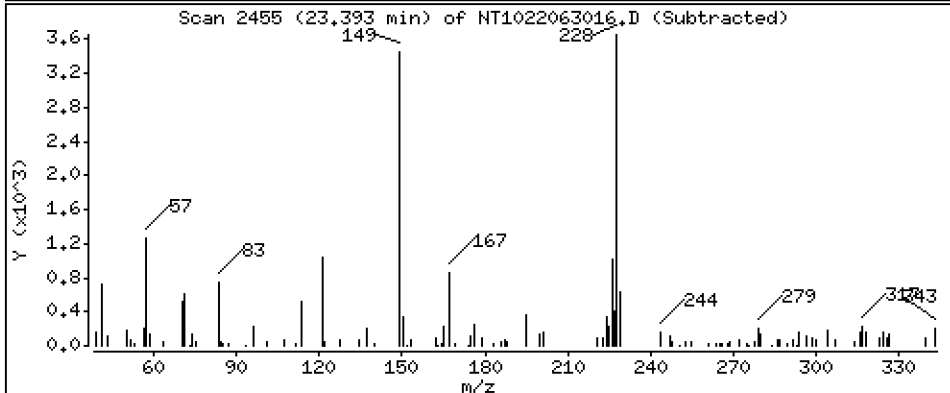
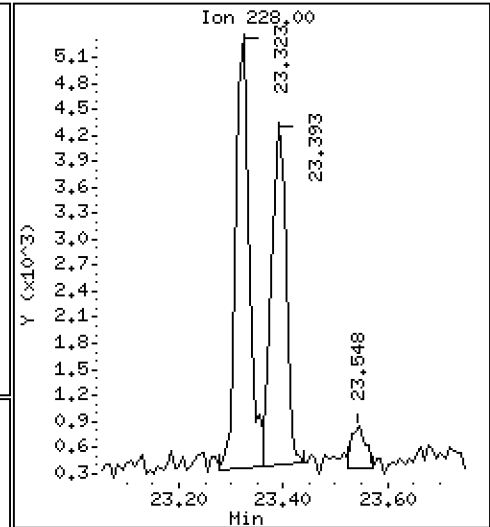
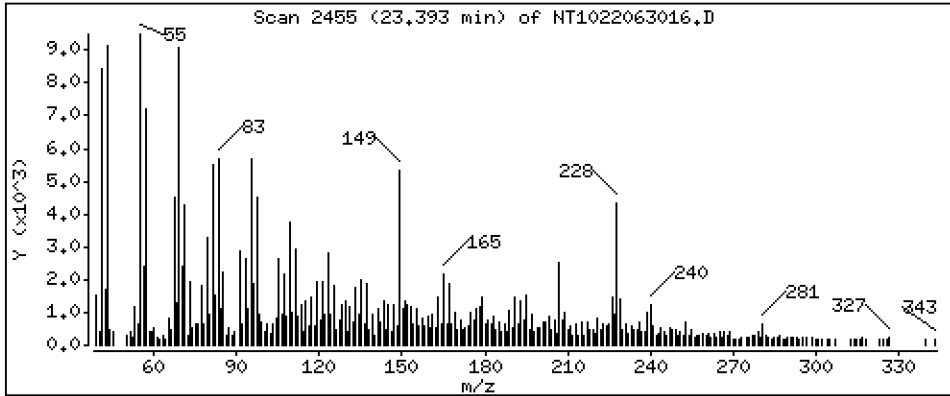
Operator: VTS

Column phase: ZB-5msi

Column diameter: 0,25

71 Chrysene

Concentration: 0,1762 ug/mL



Date : 30-JUN-2022 23:17

Client ID:

Instrument: nt10.i

Sample Info: 22F0267-18

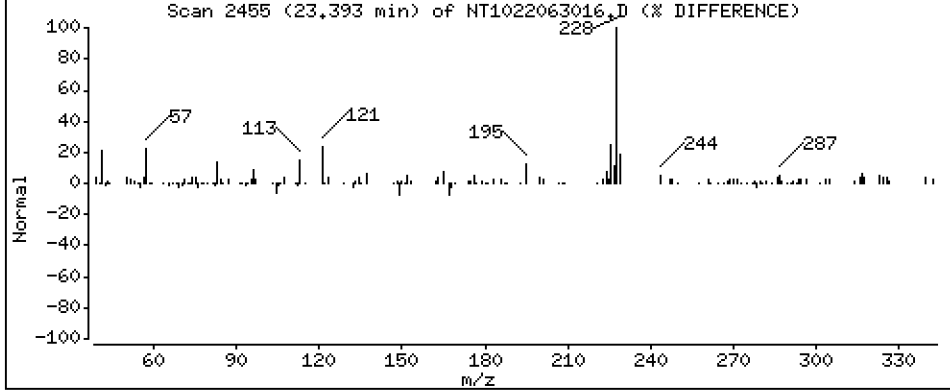
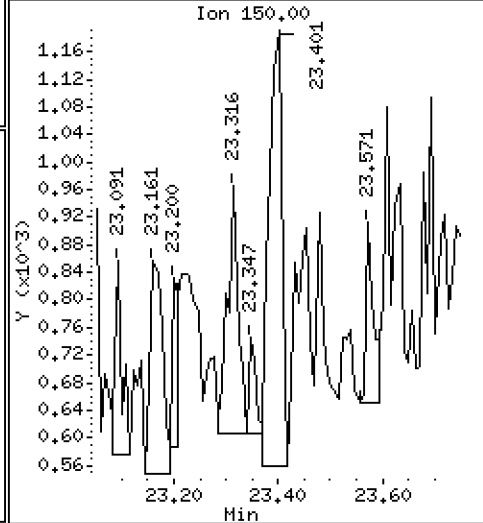
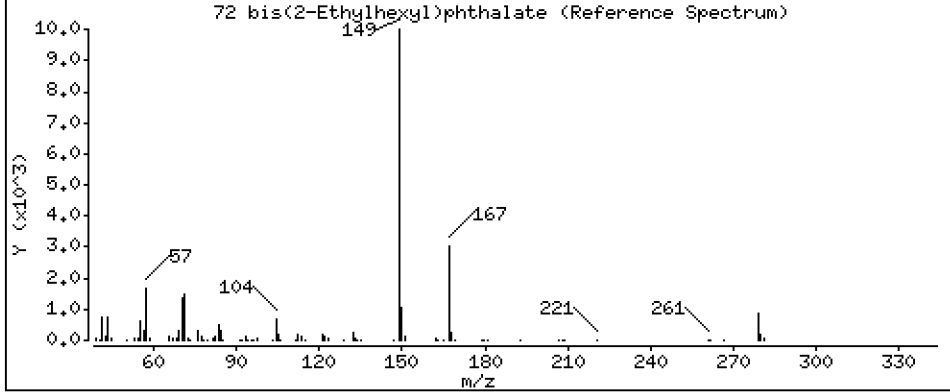
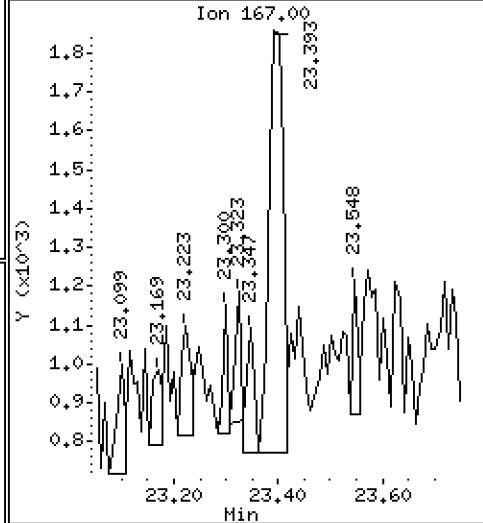
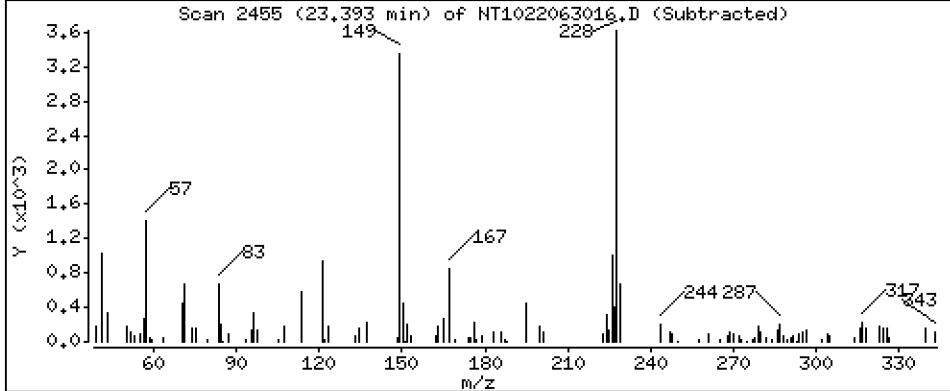
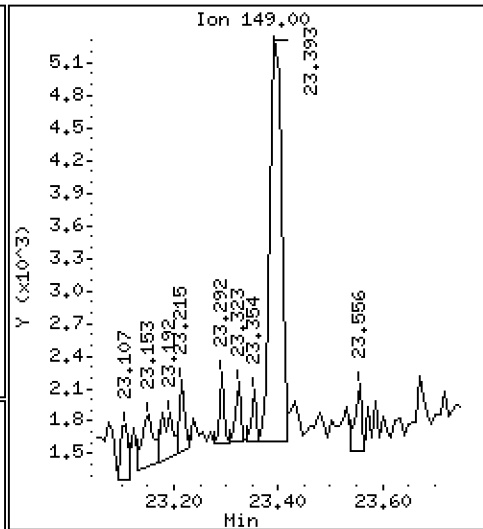
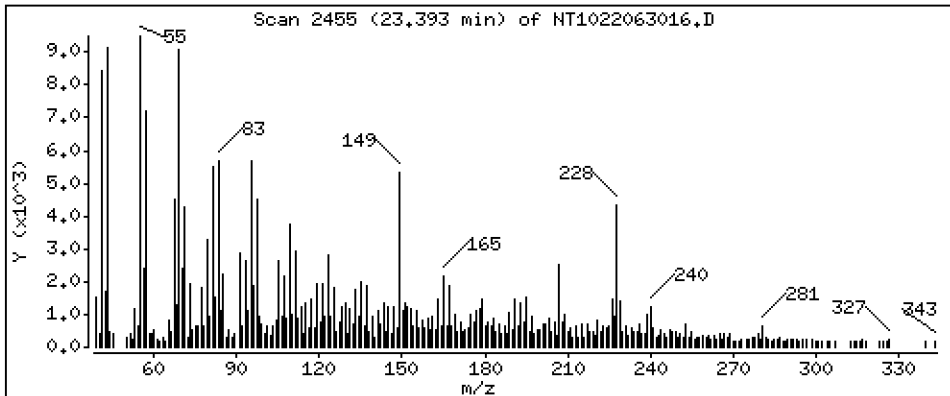
Operator: VTS

Column phase: ZB-5msi

Column diameter: 0,25

72 bis(2-Ethylhexyl)phthalate

Concentration: 0,1598 ug/mL



Date : 30-JUN-2022 23:17

Client ID:

Instrument: nt10.i

Sample Info: 22F0267-18

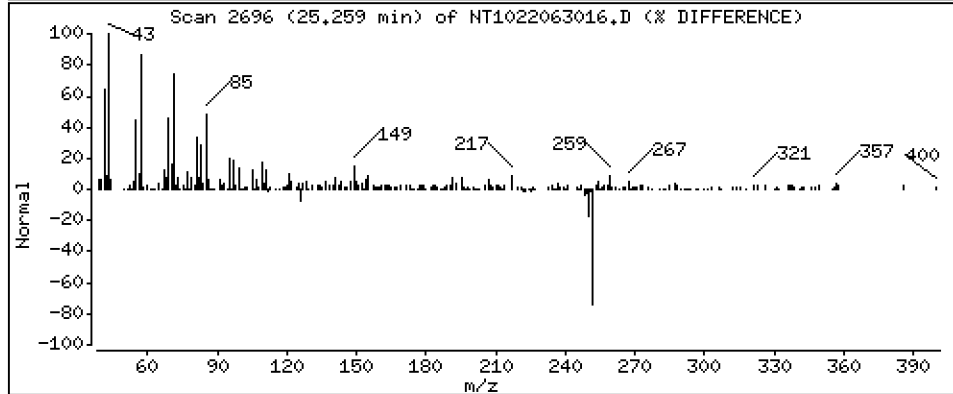
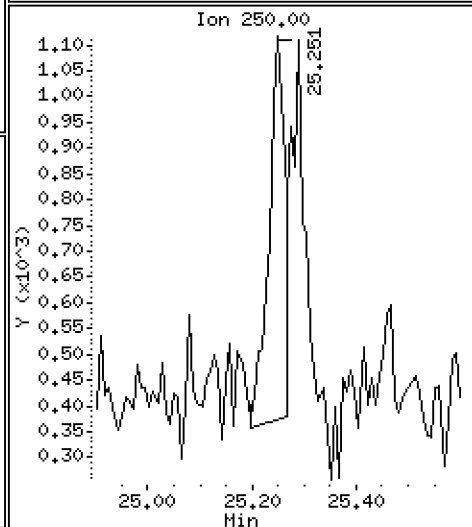
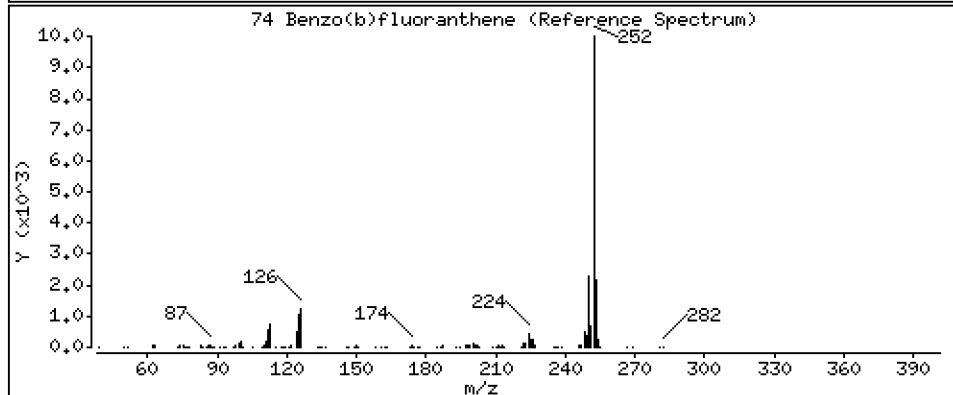
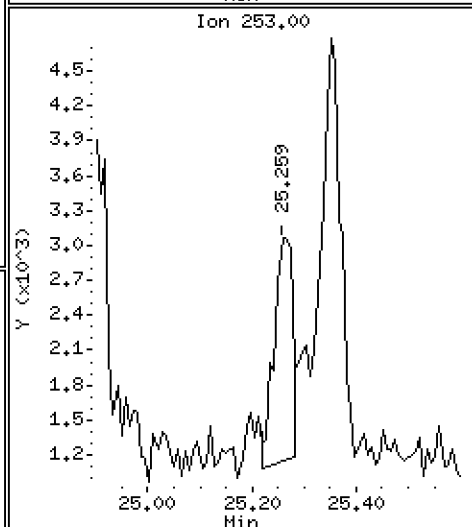
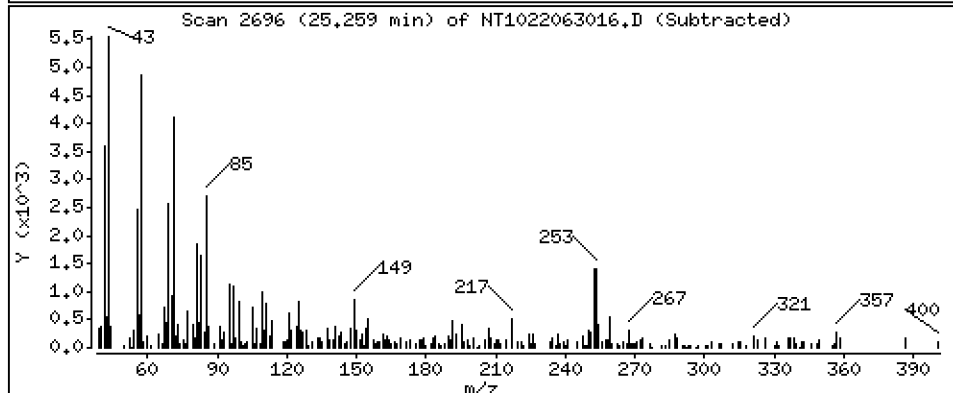
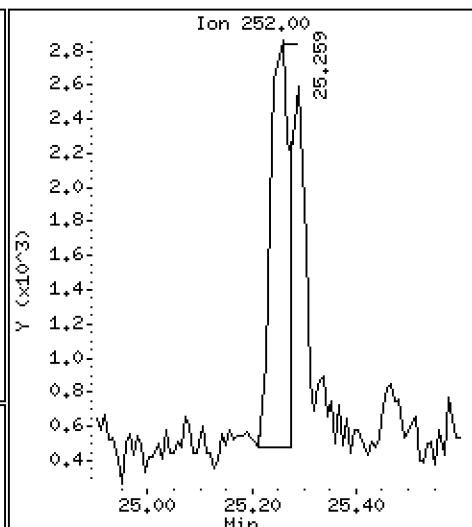
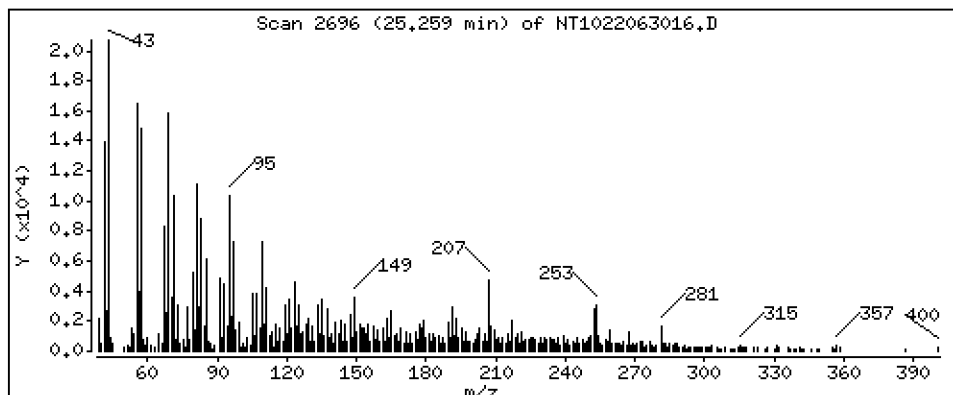
Operator: VTS

Column phase: ZB-5msi

Column diameter: 0,25

74 Benzo(b)fluoranthene

Concentration: 0,1236 ug/mL



Date : 30-JUN-2022 23:17

Client ID:

Instrument: nt10.i

Sample Info: 22F0267-18

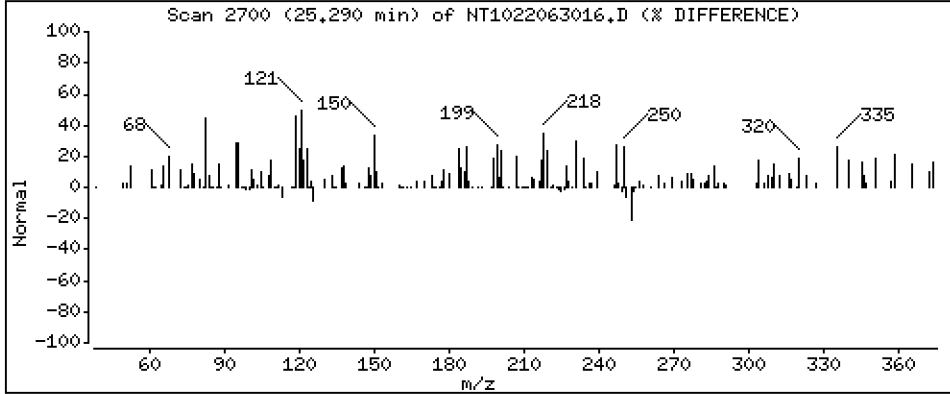
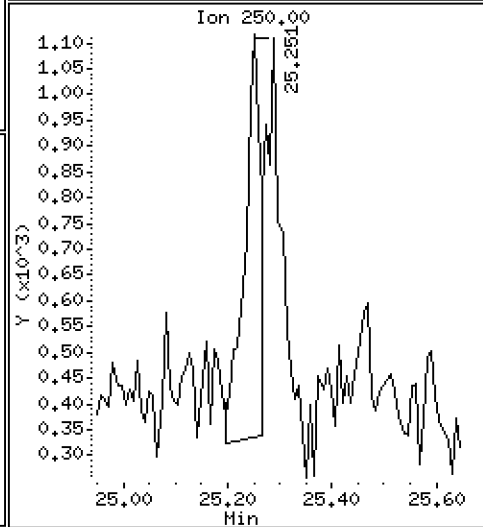
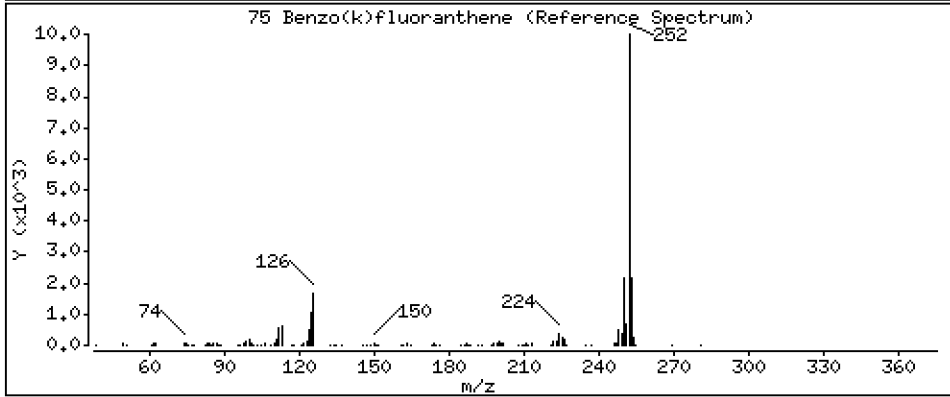
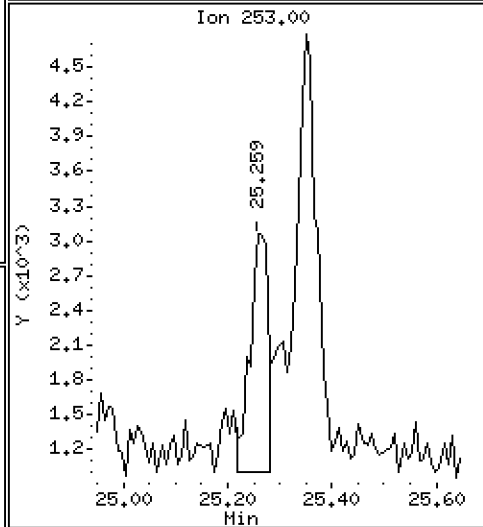
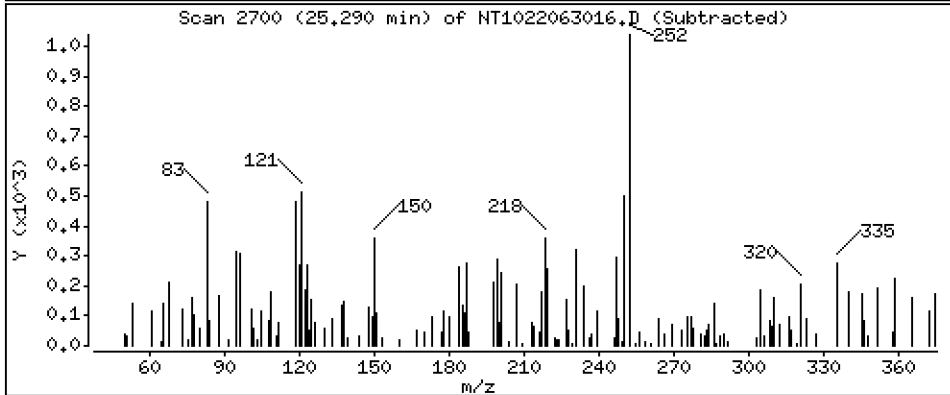
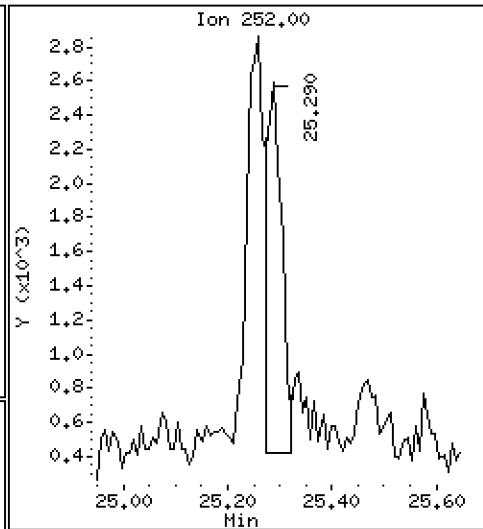
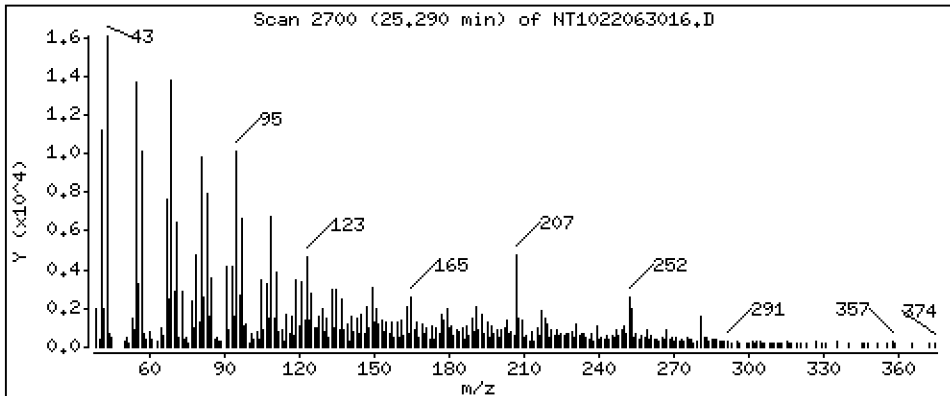
Operator: VTS

Column phase: ZB-5msi

Column diameter: 0,25

75 Benzo(k)fluoranthene

Concentration: 0,09926 ug/mL



Date : 30-JUN-2022 23:17

Client ID:

Instrument: nt10.i

Sample Info: 22F0267-18

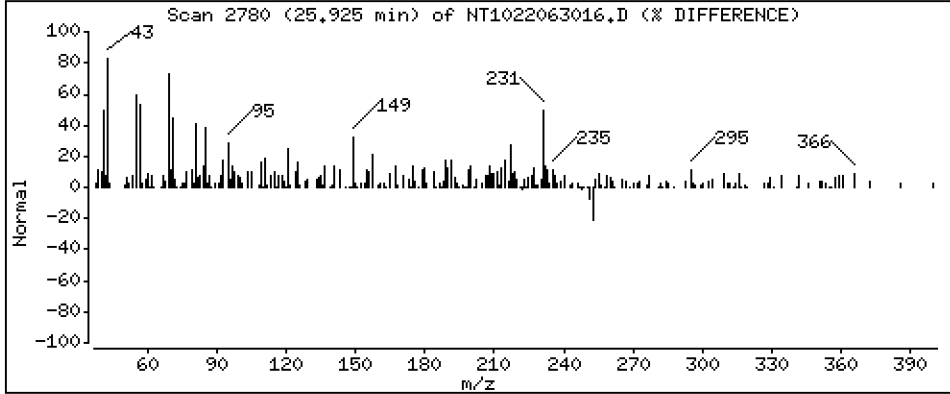
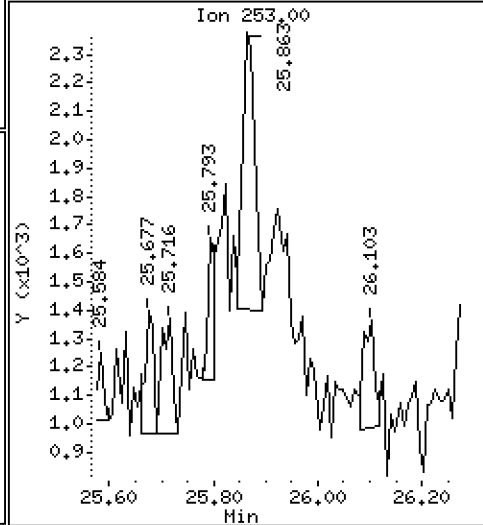
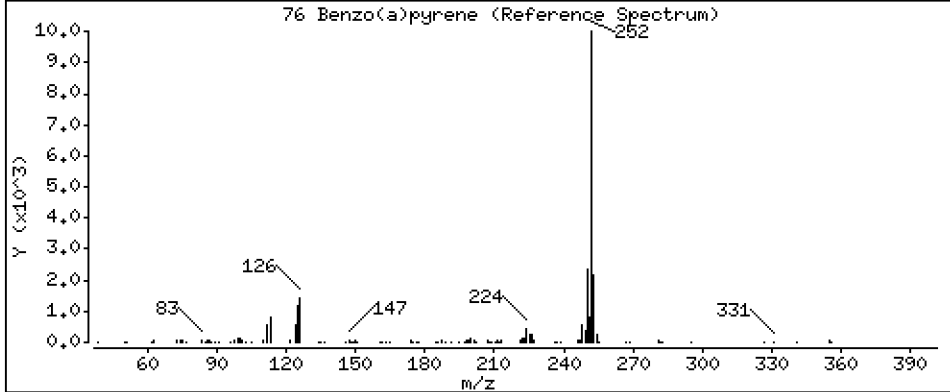
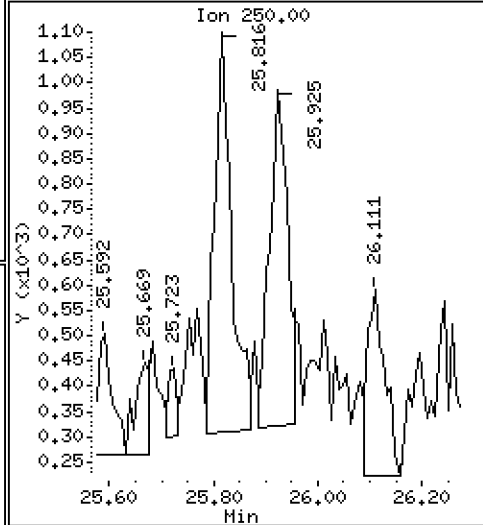
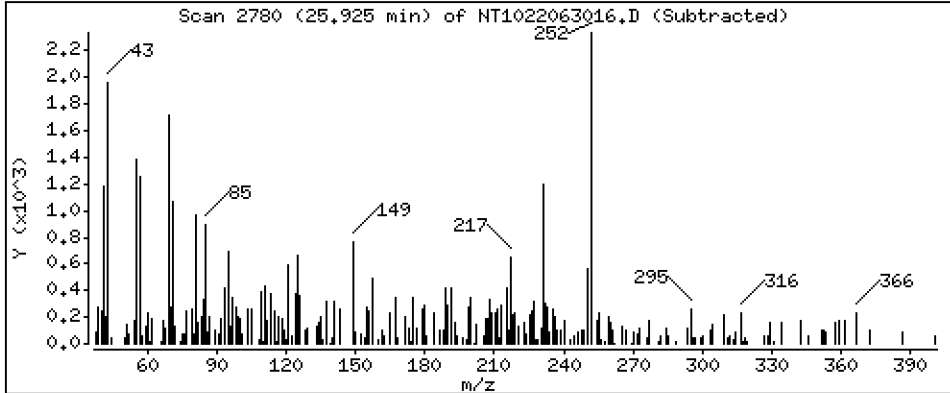
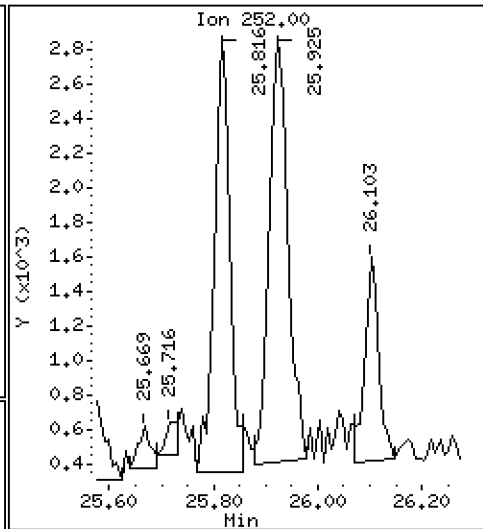
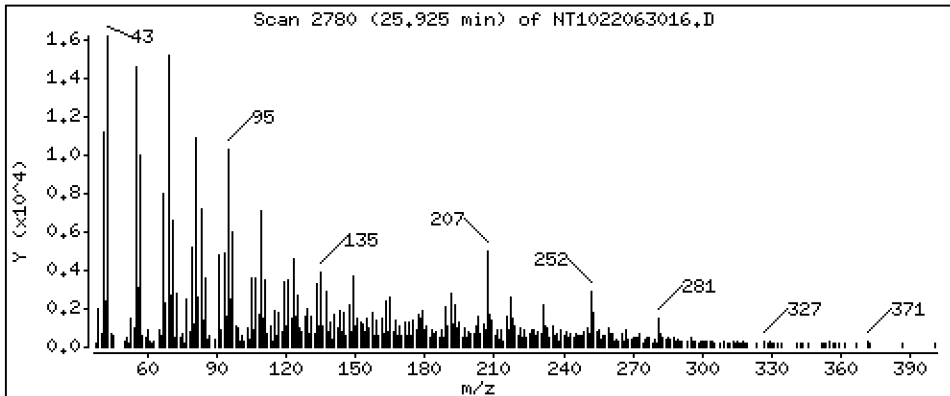
Operator: VTS

Column phase: ZB-5msi

Column diameter: 0,25

76 Benzo(a)pyrene

Concentration: 0,1578 ug/mL



Date : 30-JUN-2022 23:17

Client ID:

Instrument: nt10.i

Sample Info: 22F0267-18

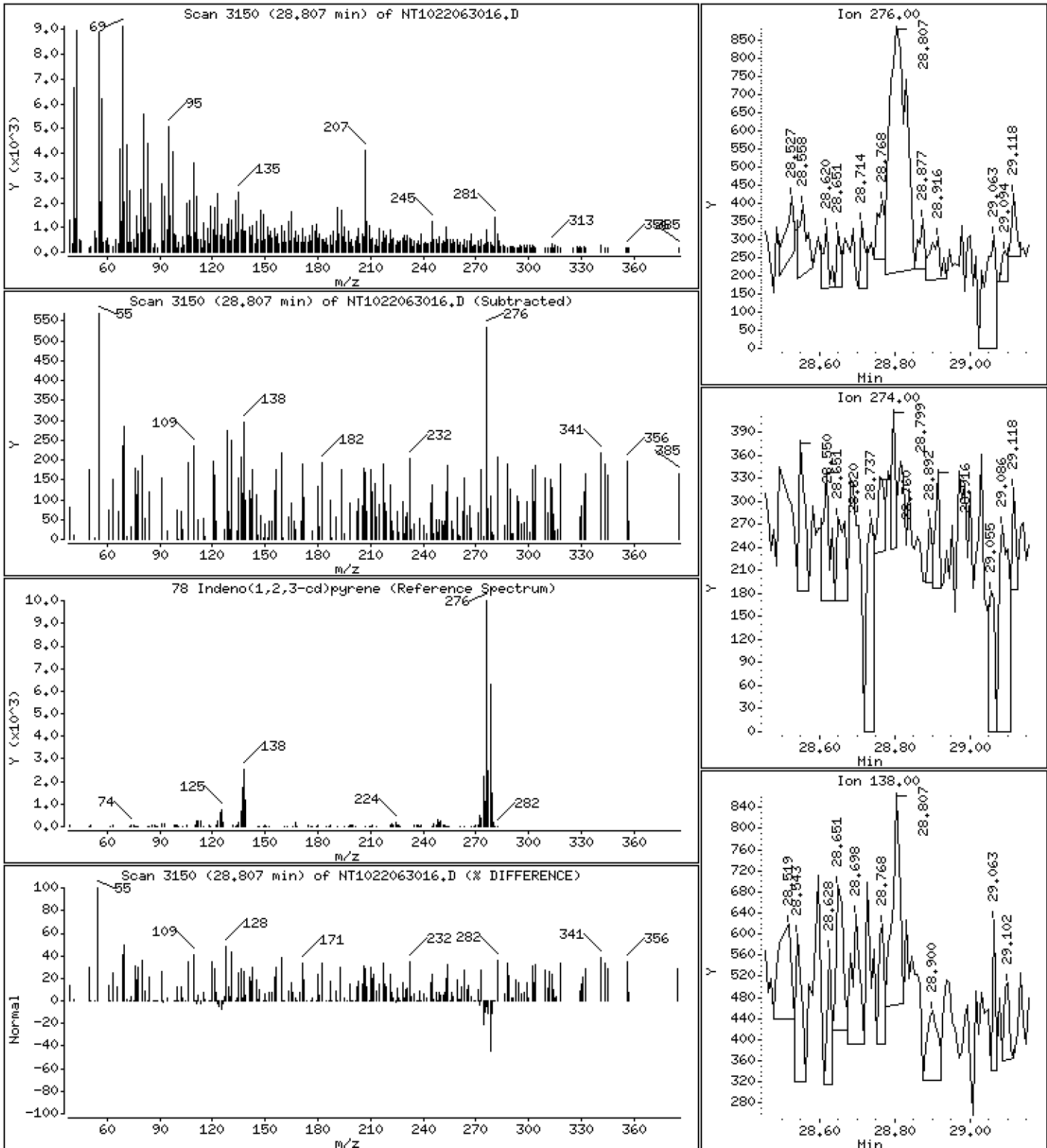
Operator: VTS

Column phase: ZB-5msi

Column diameter: 0,25

78 Indeno(1,2,3-cd)pyrene

Concentration: 0,05007 ug/mL



Date : 30-JUN-2022 23:17

Client ID:

Instrument: nt10.i

Sample Info: 22F0267-18

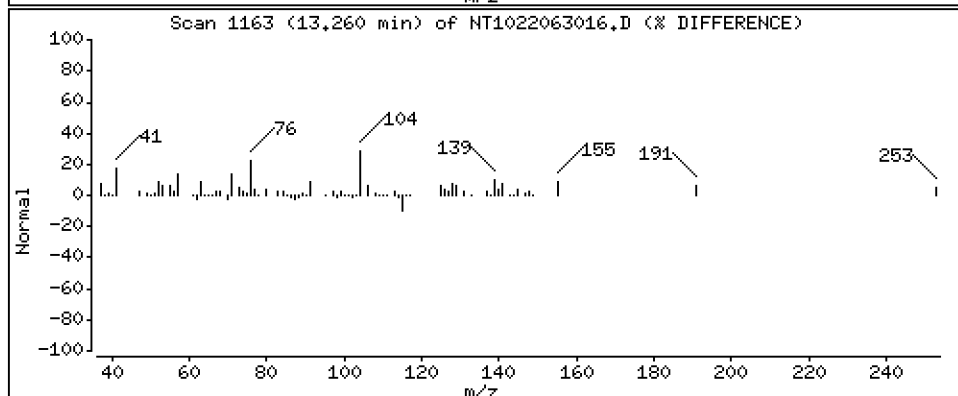
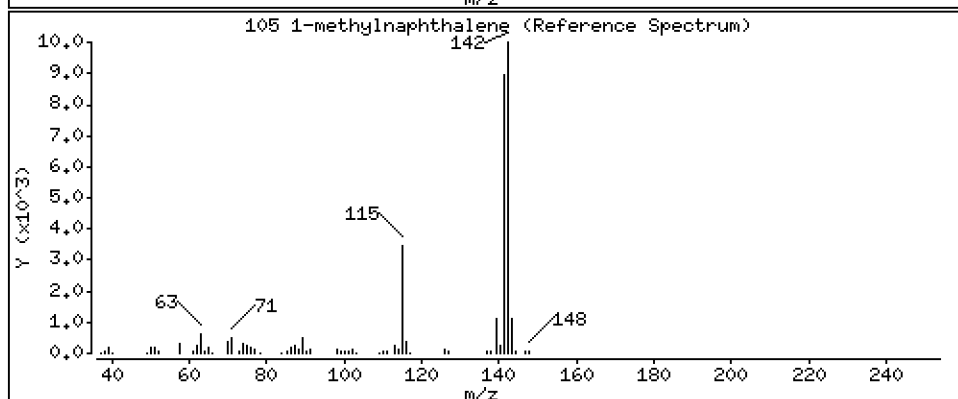
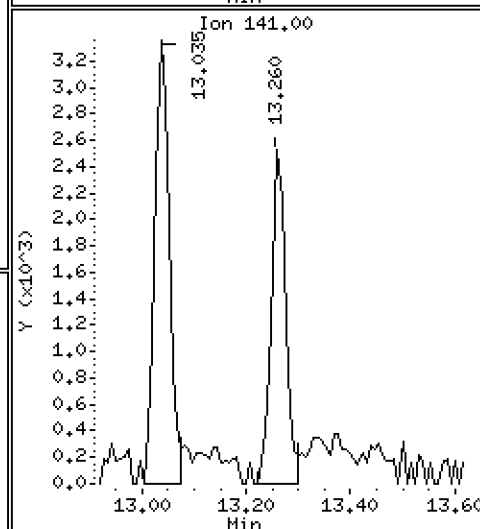
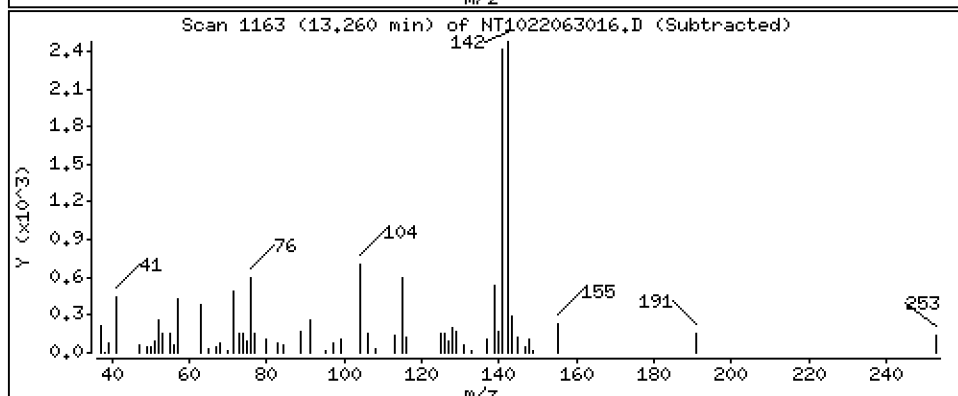
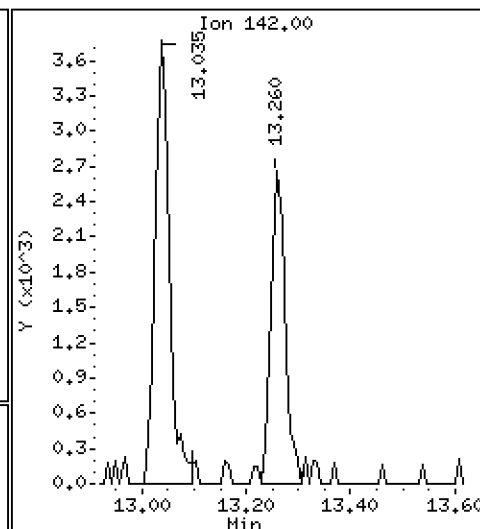
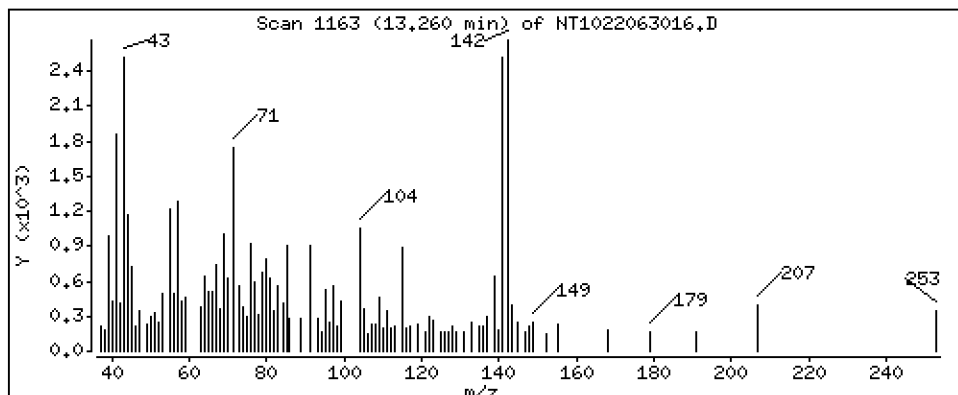
Operator: VTS

Column phase: ZB-5msi

Column diameter: 0,25

105 1-methylnaphthalene

Concentration: 0,02008 ug/mL



Date : 30-JUN-2022 23:17

Client ID:

Instrument: nt10.i

Sample Info: 22F0267-18

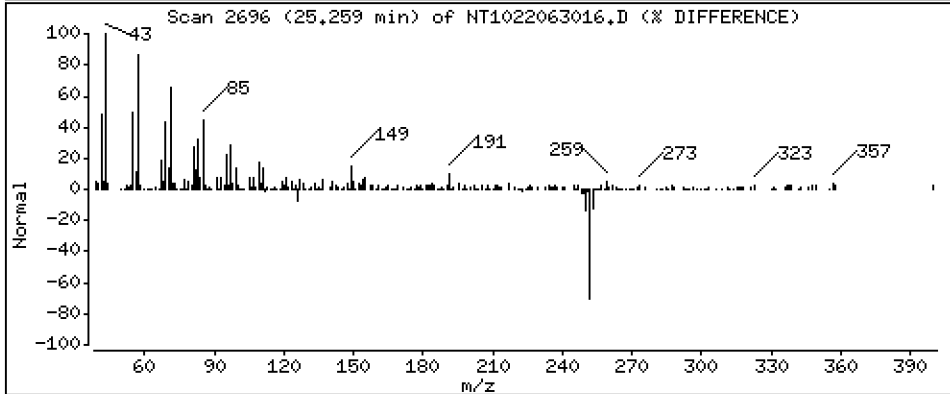
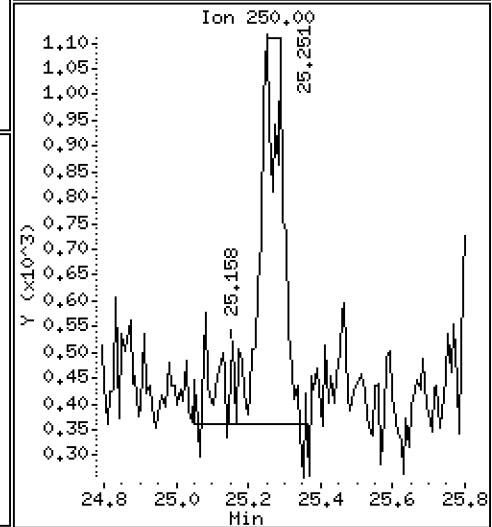
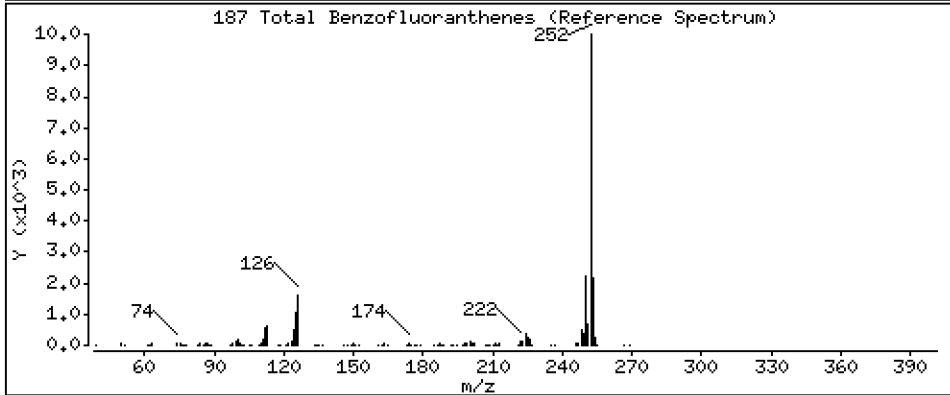
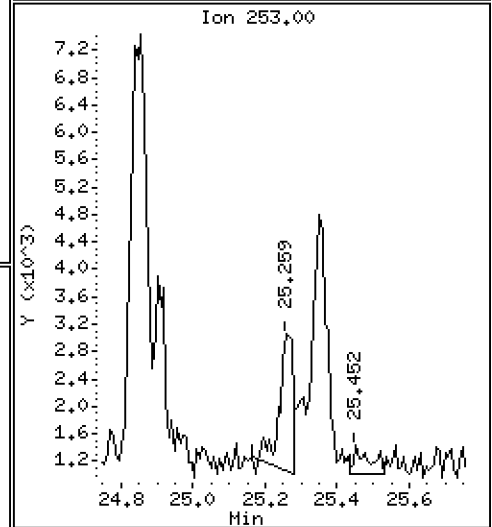
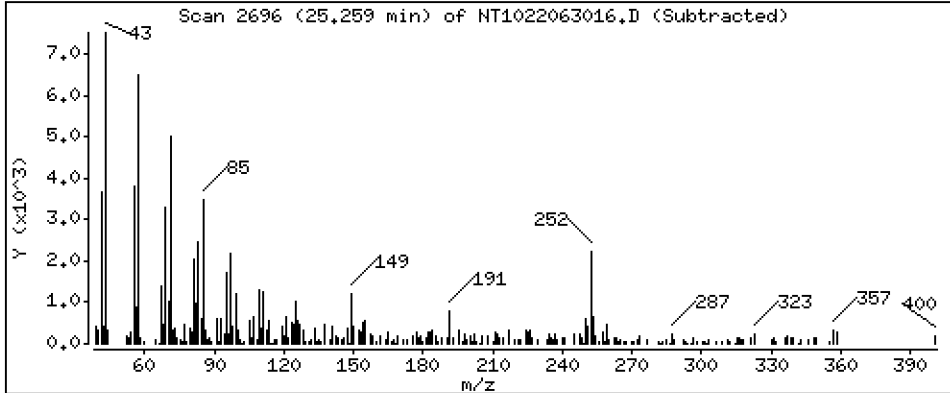
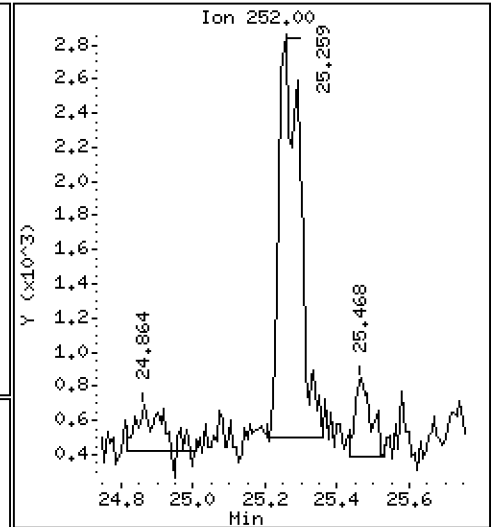
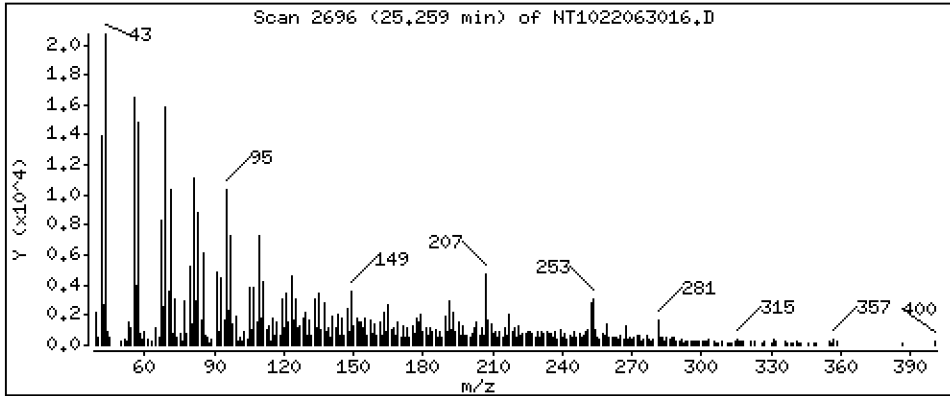
Operator: VTS

Column phase: ZB-5msi

Column diameter: 0,25

187 Total Benzofluoranthenes

Concentration: 0,2219 ug/mL



ARI Labs, Inc.

Semivolatile Report SW846 Method 8270D

Data file : \\target\share\chem3\nt10.i\20220630.b\NT1022063016.D
 Lab Smp Id: 22F0267-18
 Inj Date : 30-JUN-2022 23:17
 Operator : VTS
 Smp Info : 22F0267-18
 Misc Info :
 Comment : 1ul Injection
 Method : \\target\share\chem3\nt10.i\20220630.b\ABN.m
 Meth Date : 01-Jul-2022 17:13 yev
 Cal Date : 23-JUN-2022 13:07
 Als bottle: 15
 Dil Factor: 1.00000
 Integrator: HP RTE
 Target Version: 4.14
 Processing Host: ORGDATA102

Inst ID: nt10.i

Quant Type: ISTD
 Cal File: NT1022062308.D

Compound Sublist: ICAL.sub

Compounds	QUANT	SIG	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS	
							ON-COLUMN (ug/mL)	FINAL (ug/mL)
\$ 1 2-Fluorophenol	112		6.922	6.922	(0.760)	488166	4.92270	4.923
\$ 2 Phenol-d5	99		8.506	8.513	(0.934)	723967	4.92022	4.920
3 Phenol	94		8.536	8.529	(0.937)	3964	0.03092	0.03092
\$ 5 2-Chlorophenol-d4	132		8.768	8.768	(0.963)	670559	6.63628	6.636
4 Bis(2-Chloroethyl)ether	93		Compound Not Detected.					
6 2-Chlorophenol	128		Compound Not Detected.					
7 1,3-Dichlorobenzene	146		Compound Not Detected.					
* 8 1,4-Dichlorobenzene-d4	152		9.109	9.117	(1.000)	271574	4.00000	
9 1,4-Dichlorobenzene	146		Compound Not Detected.					
\$ 10 1,2-Dichlorobenzene-d4	152		9.474	9.474	(1.040)	272265	4.37278	4.373
12 1,2-Dichlorobenzene	146		Compound Not Detected.					
11 Benzyl alcohol	108		Compound Not Detected.					
14 2,2'-oxybis(1-Chloropropane)	121		Compound Not Detected.					
13 2-Methylphenol	108		Compound Not Detected.					
17 Hexachloroethane	117		Compound Not Detected.					
16 N-Nitroso-di-n-propylamine	70		Compound Not Detected.					
15 4-Methylphenol	108		Compound Not Detected.					
\$ 18 Nitrobenzene-d5	82		10.203	10.211	(0.880)	451042	4.45620	4.456
19 Nitrobenzene	77		Compound Not Detected.					
20 Isophorone	82		Compound Not Detected.					
21 2-Nitrophenol	139		Compound Not Detected.					
22 2,4-Dimethylphenol	107		Compound Not Detected.					
23 Bis(2-Chloroethoxy)methane	93		Compound Not Detected.					
24 Benzoic acid	105		Compound Not Detected.					
25 2,4-Dichlorophenol	162		Compound Not Detected.					
26 1,2,4-Trichlorobenzene	180		Compound Not Detected.					
* 27 Naphthalene-d8	136		11.596	11.604	(1.000)	951230	4.00000	
28 Naphthalene	128		11.635	11.643	(1.003)	6559	0.02694	0.02694
29 4-Chloroaniline	127		Compound Not Detected.					
30 Hexachlorobutadiene	225		Compound Not Detected.					
31 4-Chloro-3-methylphenol	107		Compound Not Detected.					
32 2-Methylnaphthalene	142		13.035	13.043	(1.124)	6974	0.02882	0.02882
33 Hexachlorocyclopentadiene	237		Compound Not Detected.					

Compounds	QUANT	SIG	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS	
							ON-COLUMN (ug/mL)	FINAL (ug/mL)
34 2,4,6-Trichlorophenol	196							
35 2,4,5-Trichlorophenol	196							
\$ 36 2-Fluorobiphenyl	172		13.817	13.824	(0.908)	1084806	4.83088	4.831
37 2-Chloronaphthalene	162							
38 2-Nitroaniline	65							
39 Dimethylphthalate	163							
40 Acenaphthylene	152		14.900	14.916	(0.979)	5368	0.01851	0.01851
41 2,6-Dinitrotoluene	165							
* 42 Acenaphthene-d10	164		15.217	15.225	(1.000)	496227	4.00000	
43 3-Nitroaniline	138							
44 Acenaphthene	153							
45 2,4-Dinitrophenol	184							
46 Dibenzofuran	168		15.612	15.619	(1.026)	3919	0.01709	0.01709
47 4-Nitrophenol	109							
48 2,4-Dinitrotoluene	165							
50 Diethylphthalate	149		16.176	16.191	(1.063)	29955	0.20066	0.2007
49 Fluorene	166		16.331	16.338	(1.073)	3828	0.01397	0.01397
51 4-Chlorophenyl-phenylether	204							
52 4-Nitroaniline	138							
53 4,6-Dinitro-2-methylphenol	198							
54 N-Nitrosodiphenylamine	169							
\$ 55 2,4,6-Tribromophenol	330		16.870	16.878	(1.109)	172663	7.63377	7.634
56 4-Bromophenyl-phenylether	248							
57 Hexachlorobenzene	284							
58 Pentachlorophenol	266		18.029	18.029	(0.987)	3938	0.32466	0.3247
* 59 Phenanthrene-d10	188		18.269	18.277	(1.000)	809754	4.00000	
60 Phenanthrene	178		18.316	18.331	(1.003)	31227	0.14679	0.1468
61 Anthracene	178		18.408	18.424	(1.008)	9490	0.04186	0.04186
62 Carbazole	167		18.757	18.757	(1.027)	4072	0.01947	0.01947
63 Di-n-butylphthalate	149		19.546	19.554	(1.070)	46298	0.14782	0.1478
64 Fluoranthene	202		20.714	20.722	(0.887)	35612	0.33872	0.3387
65 Pyrene	202		21.140	21.147	(0.905)	30879	0.33576	0.3358
\$ 66 Terphenyl-d14	244		21.426	21.434	(0.918)	301193	5.78427	5.784
67 Butylbenzylphthalate	149							
68 Benzo(a)anthracene	228		23.323	23.331	(0.999)	8883	0.14049	0.1405
* 69 Chrysene-d12	240		23.346	23.354	(1.000)	149213	4.00000	
70 3,3'-Dichlorobenzidine	252							
71 Chrysene	228		23.393	23.400	(1.002)	7375	0.17621	0.1762
72 bis(2-Ethylhexyl)phthalate	149		23.393	23.400	(0.959)	5368	0.15984	0.1598
* 134 Di-n-octylphthalate-d4	153		24.399	24.407	(1.000)	303832	4.00000	
73 Di-n-octylphthalate	149							
74 Benzo(b)fluoranthene	252		25.258	25.251	(0.970)	5765	0.12359	0.1236
75 Benzo(k)fluoranthene	252		25.289	25.297	(0.971)	4452	0.09926	0.09926 (M)
76 Benzo(a)pyrene	252		25.924	25.924	(0.995)	6024	0.15779	0.1578
* 77 Perylene-d12	264		26.048	26.041	(1.000)	102997	4.00000	
78 Indeno(1,2,3-cd)pyrene	276		28.806	28.806	(1.106)	2041	0.05007	0.05007
79 Dibenzo(a,h)anthracene	278							
80 Benzo(g,h,i)perylene	276							
90 N-Nitrosodimethylamine	74							
91 Aniline	93							
93 Benzidine	184							
103 Pyridine	79							
105 1-methylnaphthalene	142		13.259	13.267	(1.143)	4773	0.02008	0.02008
111 Azobenzene (1,2-DP-Hydrazine)	77							

Compounds	QUANT SIG	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS	
						ON-COLUMN (ug/mL)	FINAL (ug/mL)
187 Total Benzofluoranthenes	252	25.258	25.251	(0.970)	9649	0.22186	0.2219
120 2,3,4,6-Tetrachlorophenol	232	Compound Not Detected.					

QC Flag Legend

M - Compound response manually integrated.

ARI Labs, Inc.

INTERNAL STANDARD COMPOUNDS
 AREA AND RT SUMMARY

Instrument ID: nt10.i Calibration Date: 30-JUN-2022
 Lab File ID: NT1022063016.D Calibration Time: 14:09
 Lab Smp Id: 22F0267-18
 Analysis Type: SV Level:
 Quant Type: ISTD Sample Type:
 Operator: VTS
 Method File: \\target\share\chem3\nt10.i\20220630.b\ABN.m
 Misc Info:

Test Mode:
 Use Last Continuing Calibrator.

COMPOUND	STANDARD	AREA LIMIT		SAMPLE	%DIFF
		LOWER	UPPER		
8 1,4-Dichlorobenze	207392	103696	414784	271574	30.95
27 Naphthalene-d8	696938	348469	1393876	951230	36.49
42 Acenaphthene-d10	395441	197721	790882	496227	25.49
59 Phenanthrene-d10	603067	301534	1206134	809754	34.27
69 Chrysene-d12	148146	74073	296292	149213	0.72
134 Di-n-octylphthala	308009	154005	616018	303832	-1.36
77 Perylene-d12	115550	57775	231100	102997	-10.86

COMPOUND	STANDARD	RT LIMIT		SAMPLE	%DIFF
		LOWER	UPPER		
8 1,4-Dichlorobenze	9.12	8.62	9.62	9.11	-0.09
27 Naphthalene-d8	11.60	11.10	12.10	11.60	-0.07
42 Acenaphthene-d10	15.23	14.73	15.73	15.22	-0.05
59 Phenanthrene-d10	18.28	17.78	18.78	18.27	-0.04
69 Chrysene-d12	23.35	22.85	23.85	23.35	-0.03
134 Di-n-octylphthala	24.41	23.91	24.91	24.40	-0.03
77 Perylene-d12	26.04	25.54	26.54	26.05	0.03

AREA UPPER LIMIT = +100% of internal standard area.
 AREA LOWER LIMIT = - 50% of internal standard area.
 RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
 RT LOWER LIMIT = - 0.50 minutes of internal standard RT.

REVIEW SUMMARY FOR FILE - NT1022063016.D

Lab ID: 22F0267-18
nt10.i, ABN.m, 30-JUN-2022 23:17

RT CO-ELUTION COMPOUNDS

NO CO-ELUTIONS

Quant Method: ICAL

RRT CHECK

RRT	CCV	RRT	DELTA	COMPOUND
-----	-----	-----	-------	----------

NONE

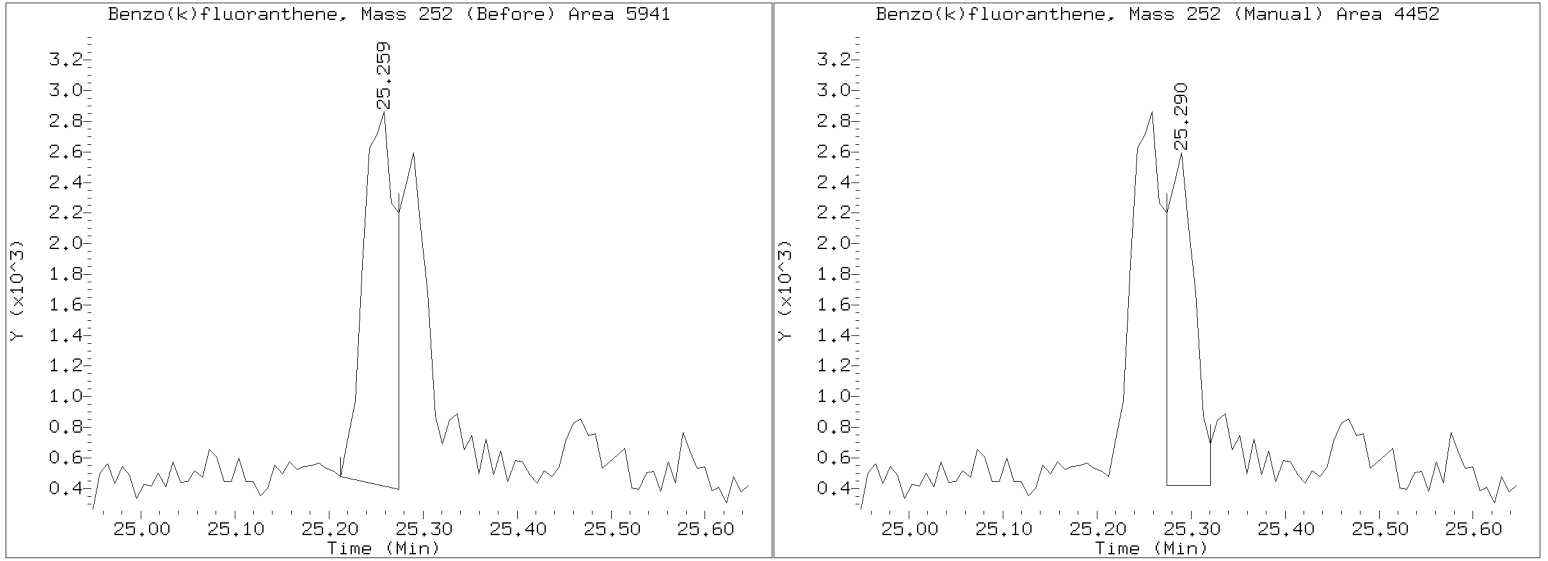
RRT check based on Ccal File: NT1022063002.D

On Column LOD for nt10.i, ABN.m, ICAL.sub = 0.0000

* Only compounds listed in the work order have been verified by the analyst *

Quant Ion Manual Peak Adjustment Report

Datafile: //target/share/chem3/nt10.i/20220630.b/NT1022063016.D
Injection Date: 30-JUN-2022 23:17
Lab ID:22F0267-18 Client ID:
Report Date: 07/01/2022 17:15





Form I
ORGANIC ANALYSIS DATA SHEET
EPA 8270E
Semivolatiles (20ug/kg - 0.2ug/L SepF)

Laboratory: Analytical Resources, LLC
 Client: GeoEngineers
 Project: RG Haley Site-Bellingham
 Matrix: Sediment Laboratory ID: 22F0267-20 A SDG: 22F0267
 Sampled: 06/14/22 15:05 Prepared: 06/21/22 13:45 File ID: NT1022063017.D
 % Solids: 86.39 Preparation: EPA 3546 (Microwave) Analyzed: 06/30/22 23:56
 Batch: BKF0469 Sequence: SKG0010 Initial/Final: 11.59 g Wet / 1 mL
 Instrument: NT10 Column: ZB-5MSi Calibration: FF00062
 Cleanups: GPC

CAS NO.	COMPOUND	DILUTION	CONC: (ug/kg dry)	Q	DL	RL
91-20-3	Naphthalene	1	8.6	J	4.2	20.0
91-57-6	2-Methylnaphthalene	1	9.3	J	4.5	20.0
83-32-9	Acenaphthene	1	5.2	U	5.2	20.0
87-86-5	Pentachlorophenol	1	31.2	U	31.2	99.9
85-01-8	Phenanthrene	1	15.8	J	8.7	20.0
206-44-0	Fluoranthene	1	37.5		6.1	20.0
56-55-3	Benzo(a)anthracene	1	9.7	J	6.0	20.0
218-01-9	Chrysene	1	14.3	J	6.1	20.0
205-99-2	Benzo(b)fluoranthene	1	9.3	J	7.0	20.0
207-08-9	Benzo(k)fluoranthene	1	8.6	J	5.0	20.0
50-32-8	Benzo(a)pyrene	1	11.4	J	4.2	20.0
193-39-5	Indeno(1,2,3-cd)pyrene	1	14.6	U	14.6	20.0
53-70-3	Dibenzo(a,h)anthracene	1	17.2	U	17.2	20.0
90-12-0	1-Methylnaphthalene	1	7.7	J	5.3	20.0

SURROGATES	ADDED: (ug/kg dry)	FOUND: (ug/kg dry)	% REC	QC LIMITS	Q
2-Fluorophenol	749.06	486	64.9	27 - 120	
Phenol-d5	749.06	467	62.4	29 - 120	
2-Chlorophenol-d4	749.06	632	84.4	31 - 120	
1,2-Dichlorobenzene-d4	499.37	427	85.5	32 - 120	
Nitrobenzene-d5	499.37	428	85.8	30 - 120	
2-Fluorobiphenyl	499.37	453	90.6	35 - 120	
2,4,6-Tribromophenol	749.06	662	88.4	24 - 134	
p-Terphenyl-d14	499.37	564	113	37 - 120	

Data File: \\target\share\chem3\nt10.1\20220630.1\NT1022063017.D

Date: 30-JUN-2022 23:56

Client ID:

Sample Info: 22F0267-20

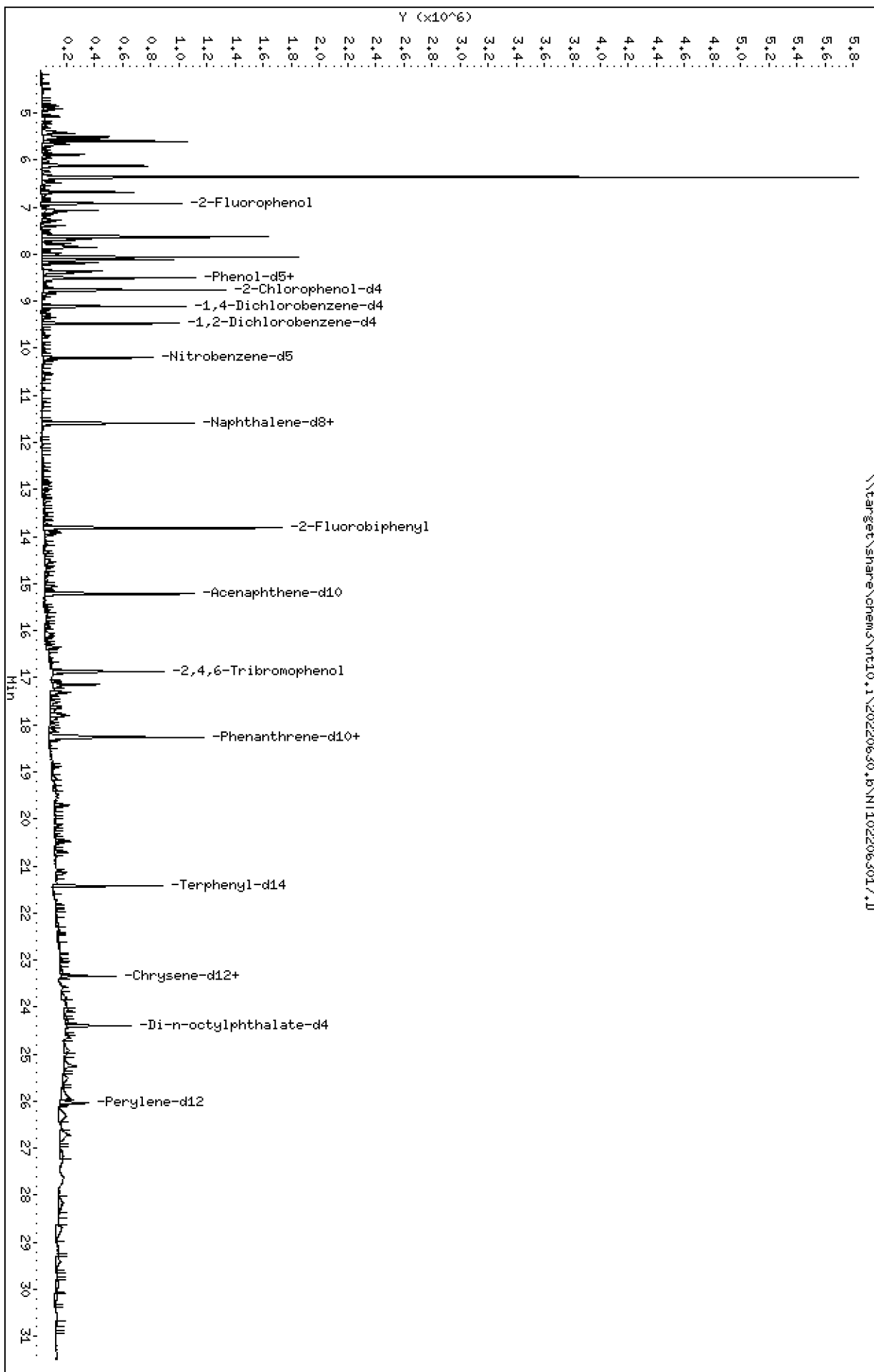
Page 1

Column phase: ZB-5msi

Instrument: nt10.1

Operator: VTS

Column diameter: 0.25



Date : 30-JUN-2022 23:56

Client ID:

Instrument: nt10.i

Sample Info: 22F0267-20

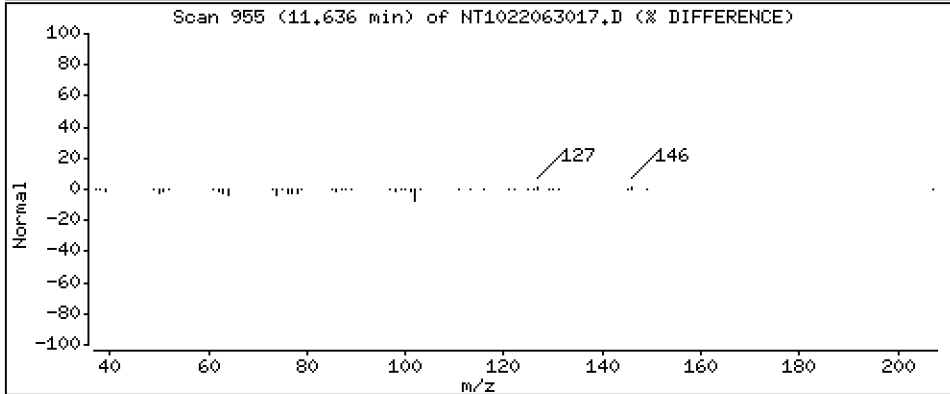
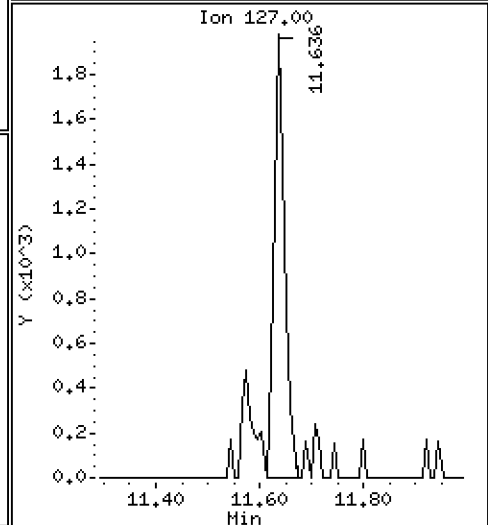
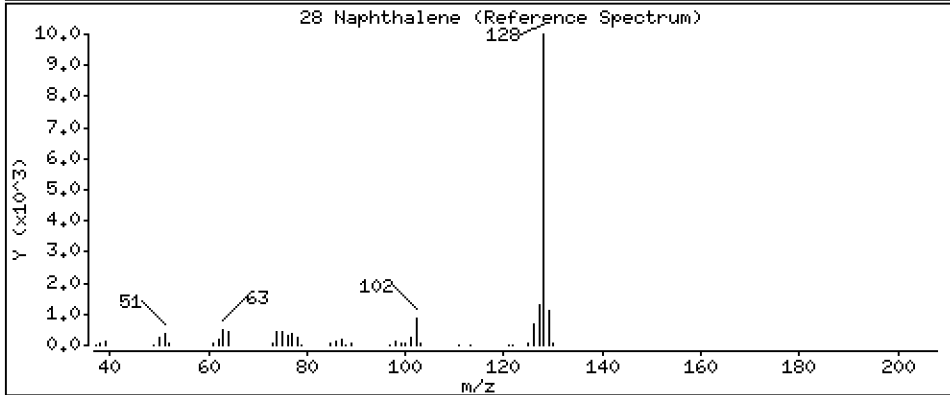
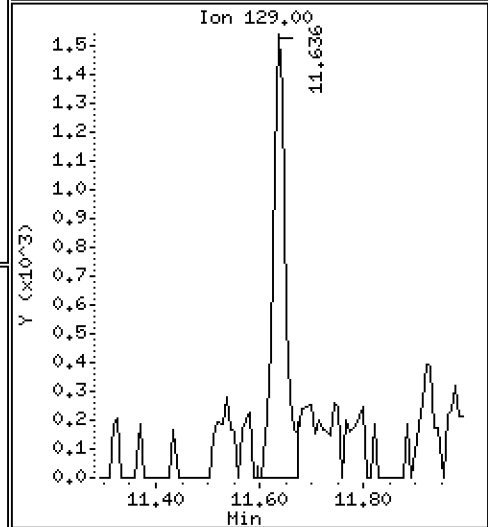
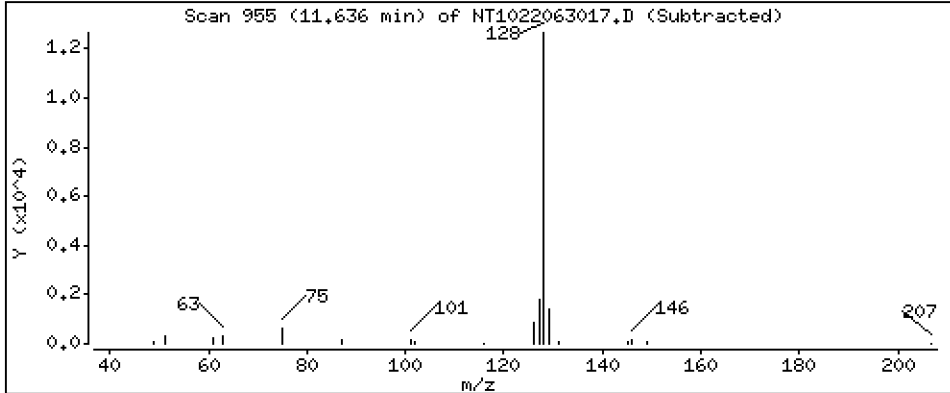
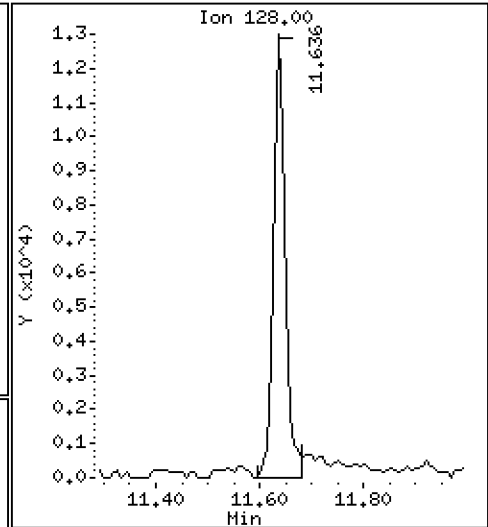
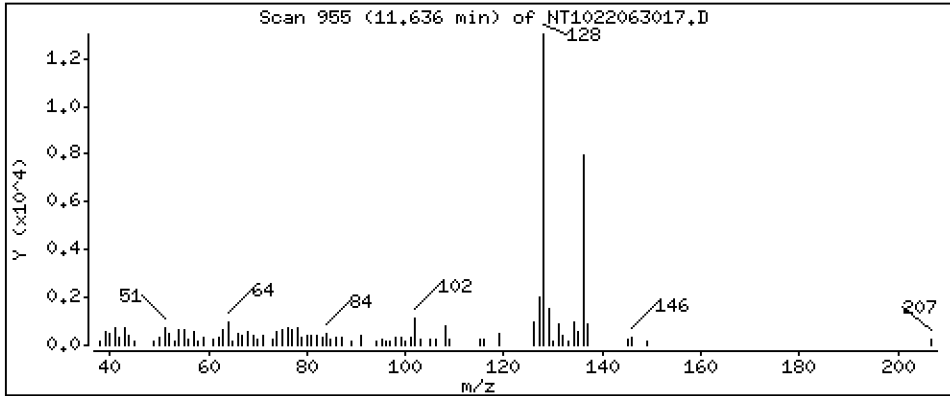
Operator: VTS

Column phase: ZB-5msi

Column diameter: 0.25

28 Naphthalene

Concentration: 0.08585 ug/mL



Date : 30-JUN-2022 23:56

Client ID:

Instrument: nt10.i

Sample Info: 22F0267-20

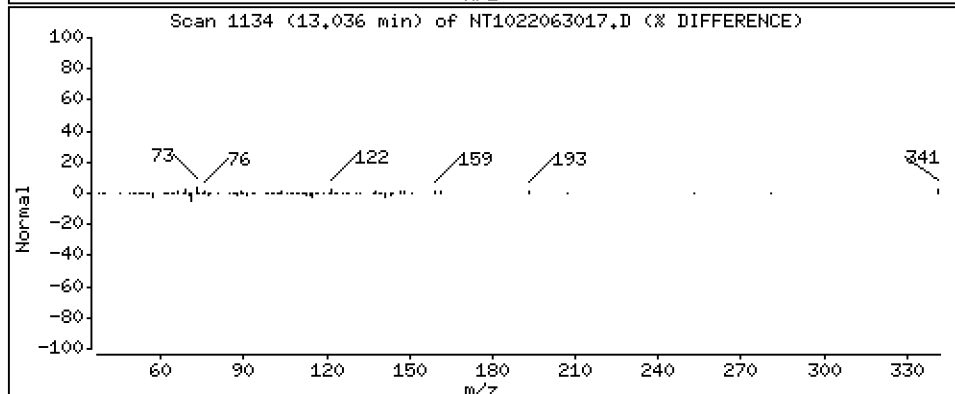
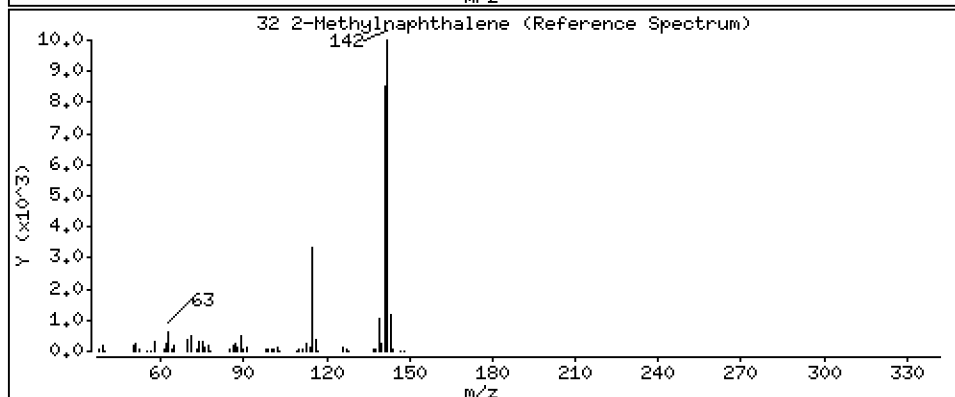
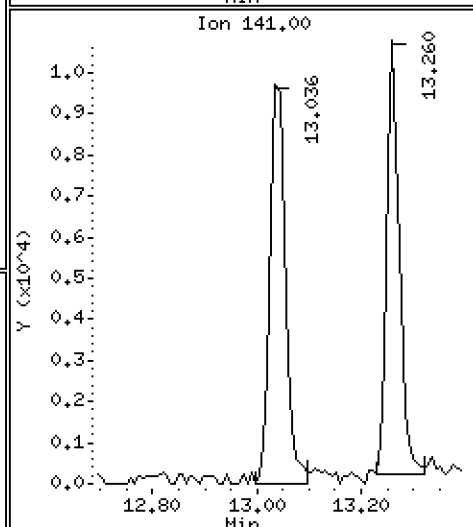
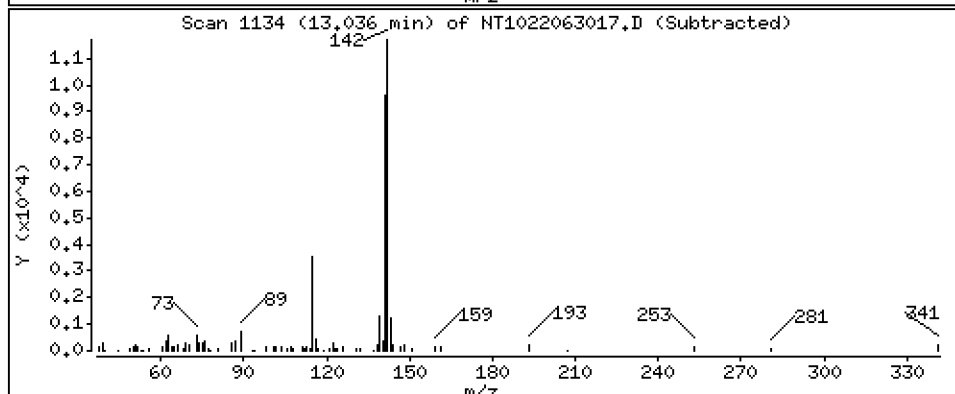
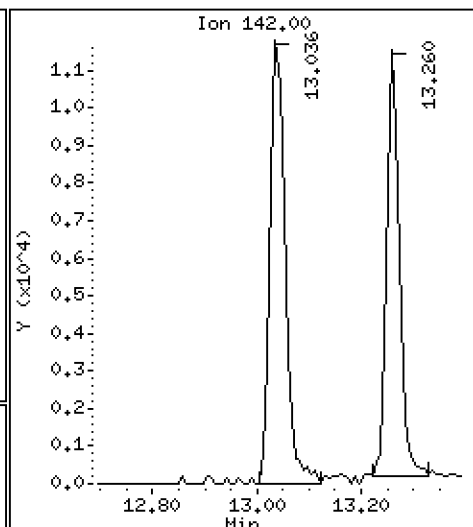
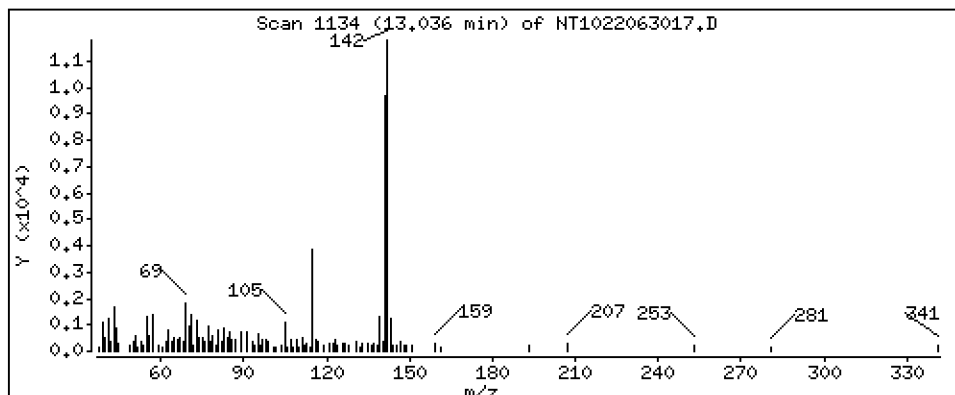
Operator: VTS

Column phase: ZB-5msi

Column diameter: 0.25

32 2-Methylnaphthalene

Concentration: 0.09341 ug/mL



Date : 30-JUN-2022 23:56

Client ID:

Instrument: nt10.i

Sample Info: 22F0267-20

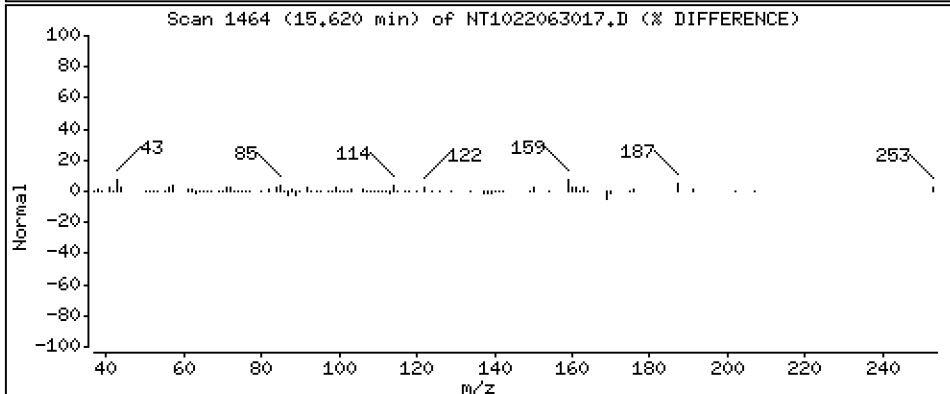
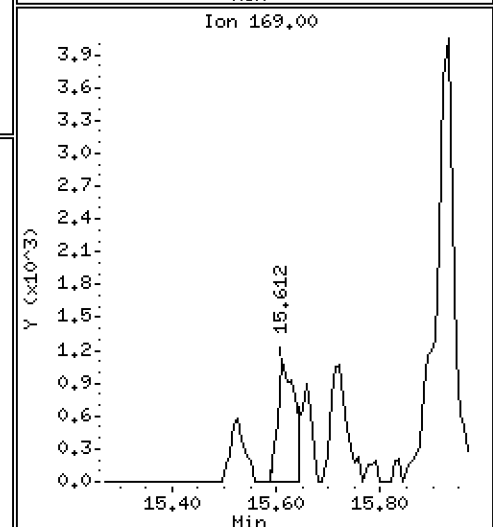
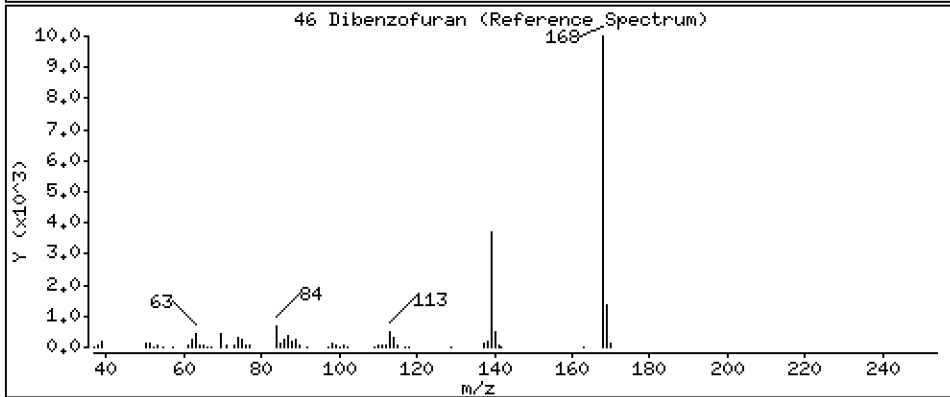
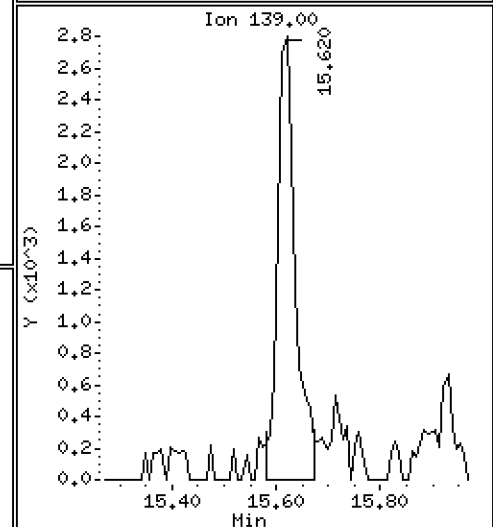
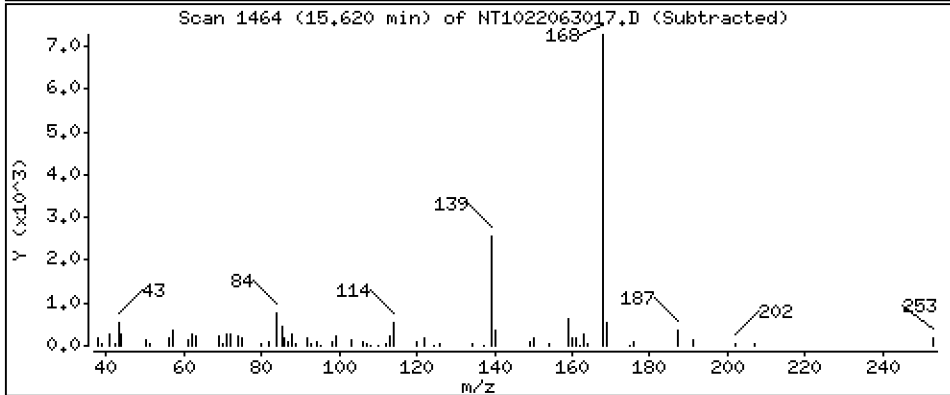
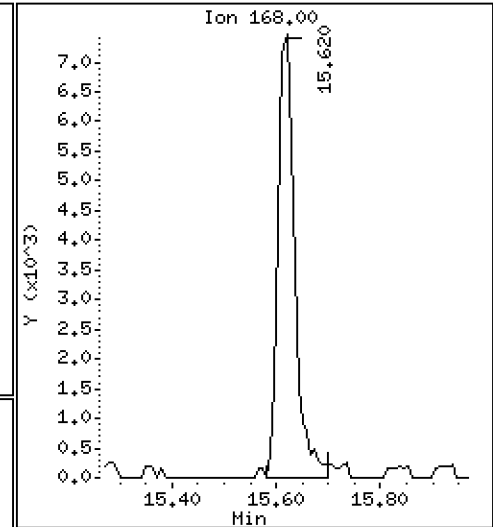
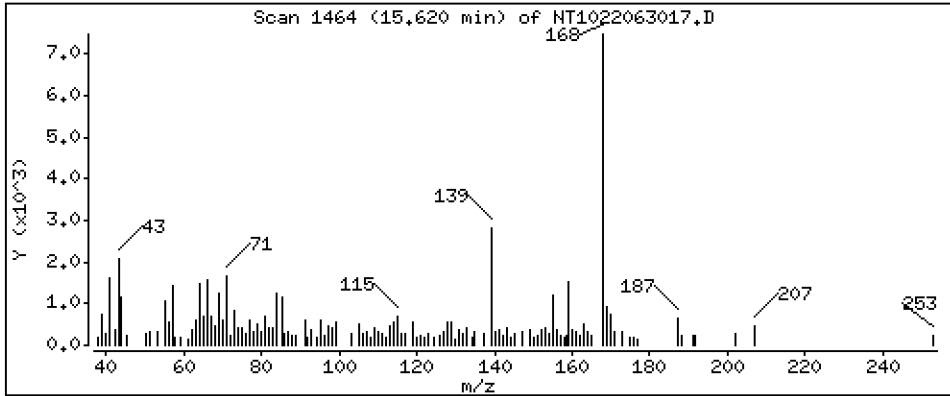
Operator: VTS

Column phase: ZB-5msi

Column diameter: 0,25

46 Dibenzofuran

Concentration: 0,07039 ug/mL



Date : 30-JUN-2022 23:56

Client ID:

Instrument: nt10.i

Sample Info: 22F0267-20

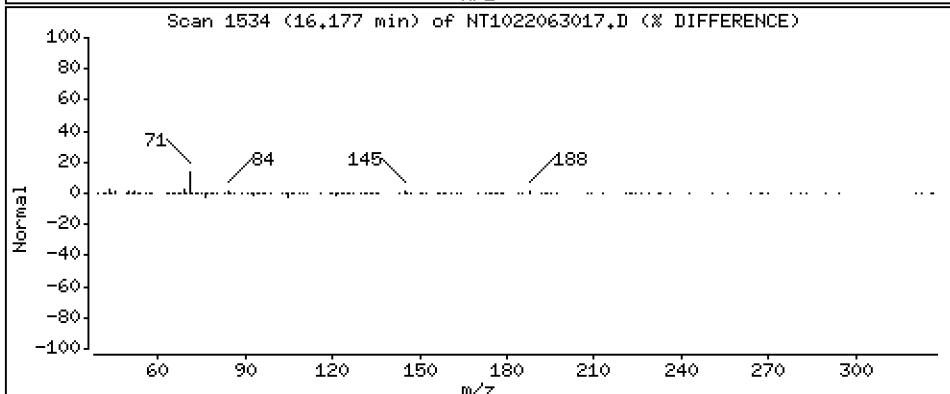
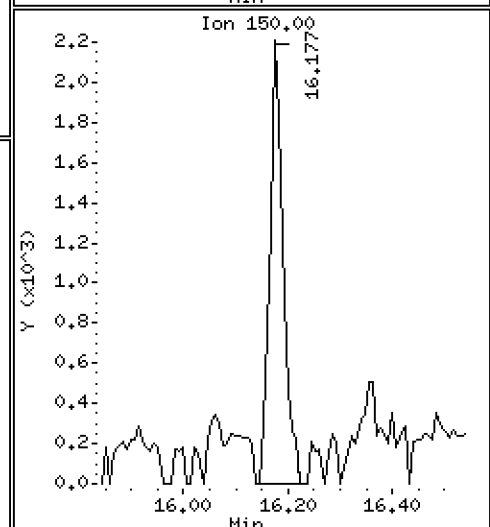
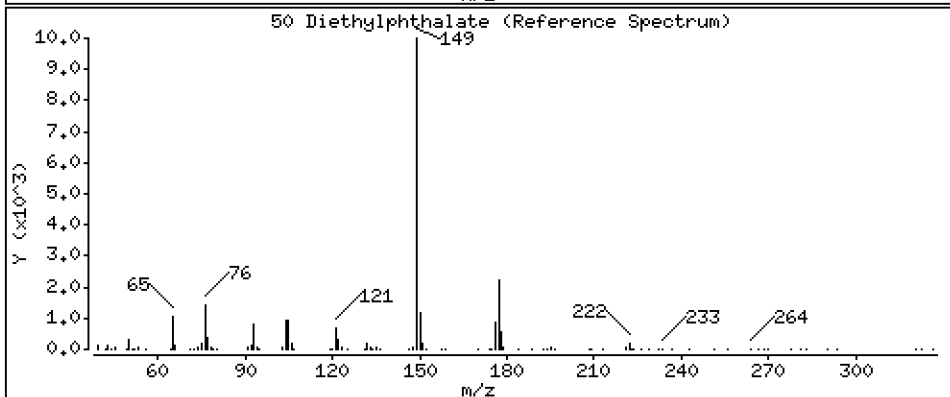
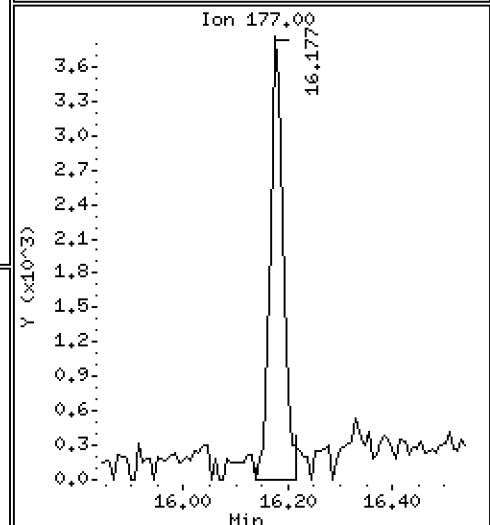
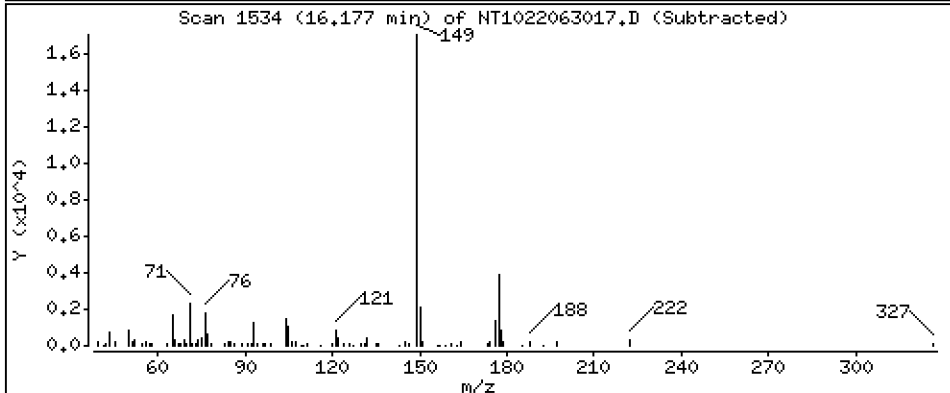
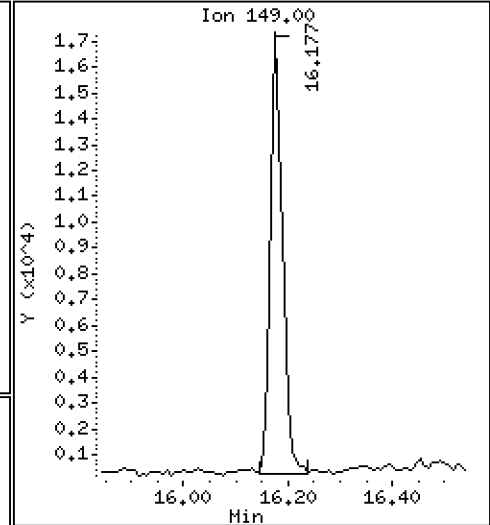
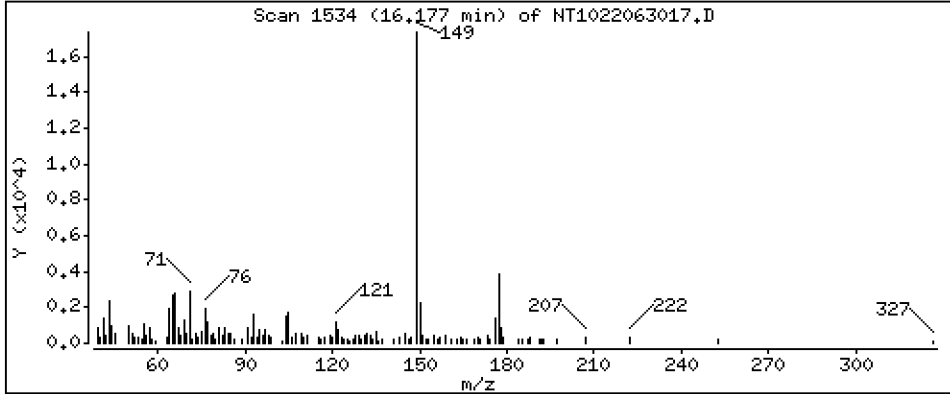
Operator: VTS

Column phase: ZB-5msi

Column diameter: 0.25

50 Diethylphthalate

Concentration: 0.1794 ug/mL



Date : 30-JUN-2022 23:56

Client ID:

Instrument: nt10.i

Sample Info: 22F0267-20

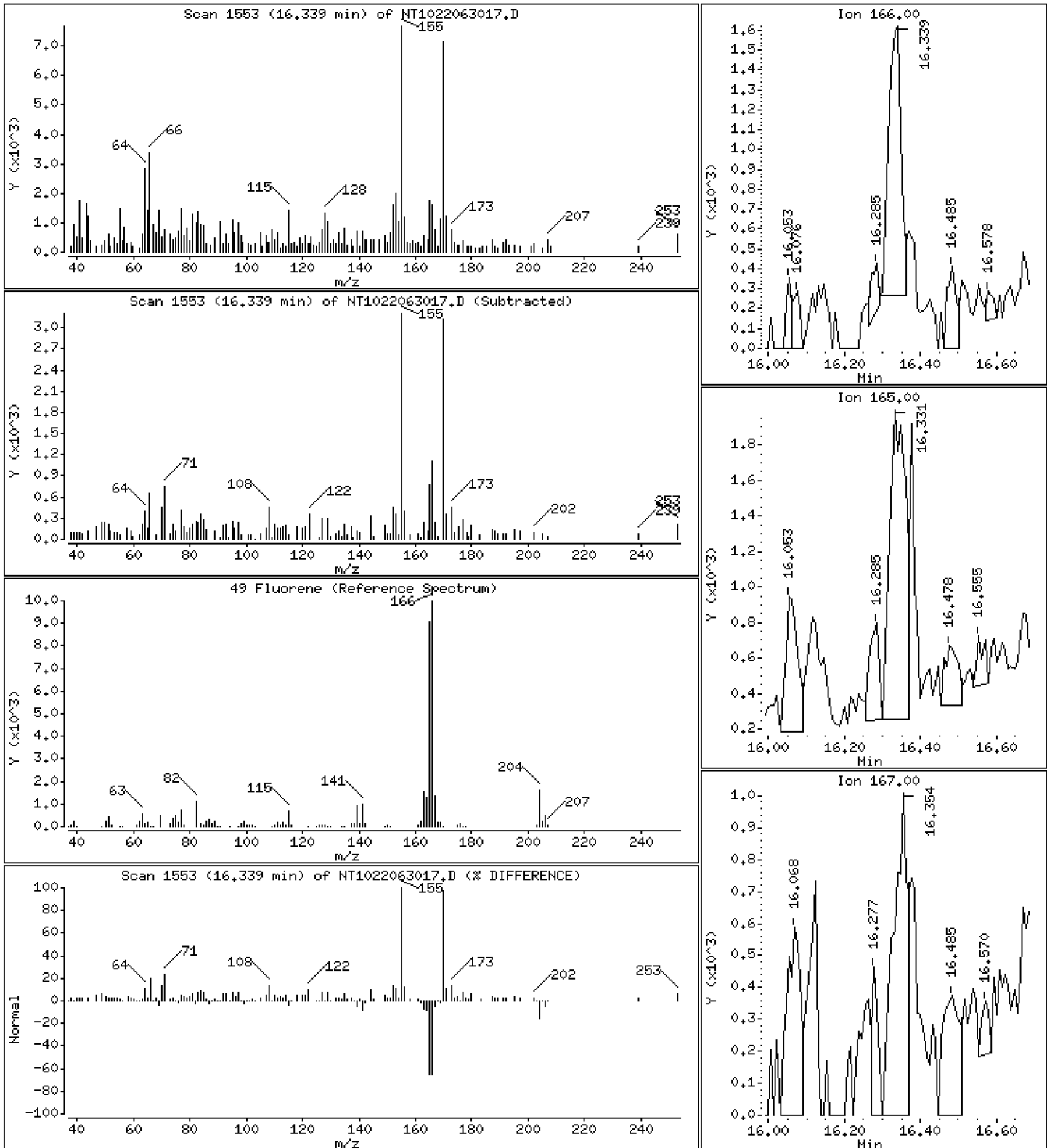
Operator: VTS

Column phase: ZB-5msi

Column diameter: 0.25

49 Fluorene

Concentration: 0.01156 ug/mL



Date : 30-JUN-2022 23:56

Client ID:

Instrument: nt10.i

Sample Info: 22F0267-20

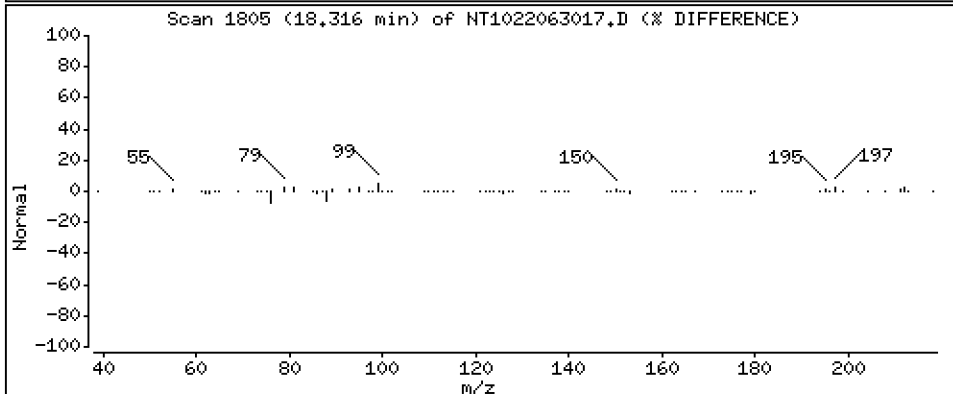
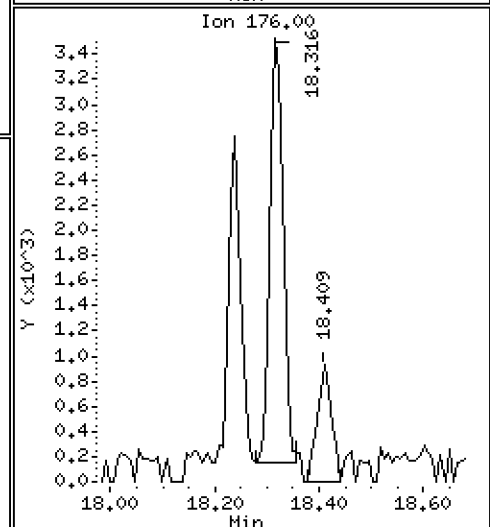
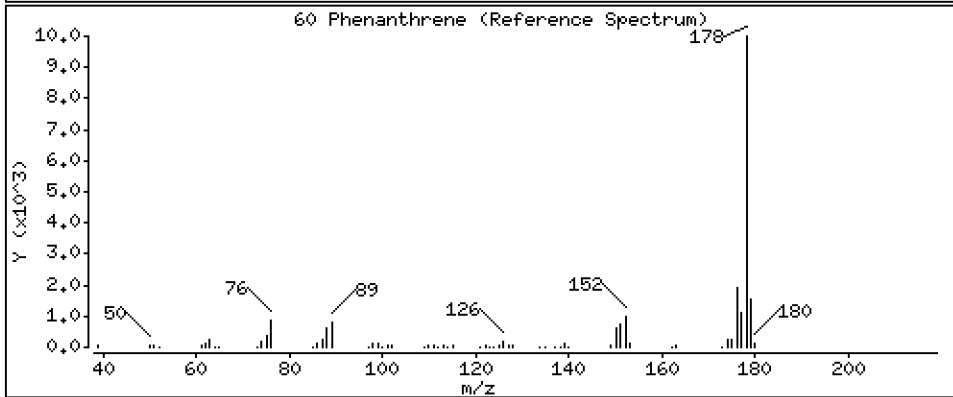
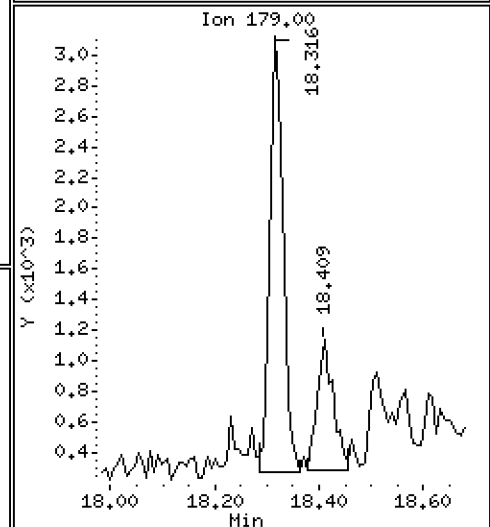
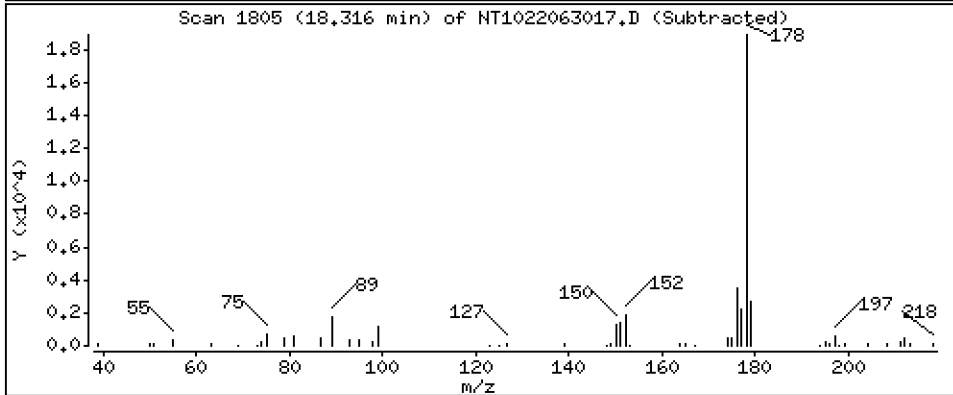
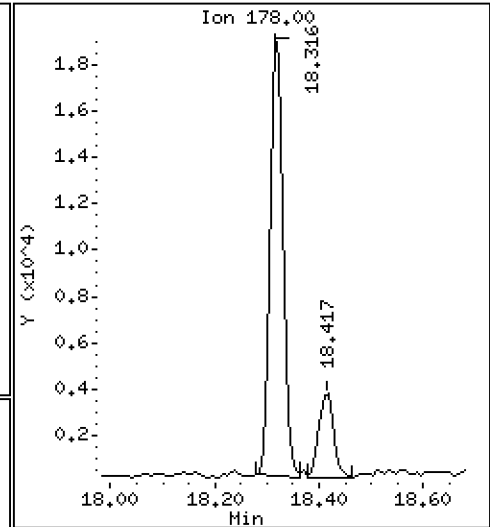
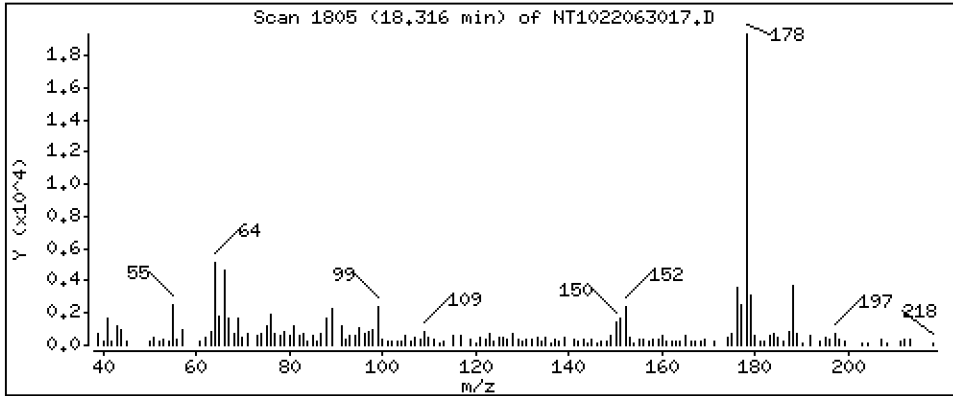
Operator: VTS

Column phase: ZB-5msi

Column diameter: 0,25

60 Phenanthrene

Concentration: 0,1577 ug/mL



Date : 30-JUN-2022 23:56

Client ID:

Instrument: nt10.i

Sample Info: 22F0267-20

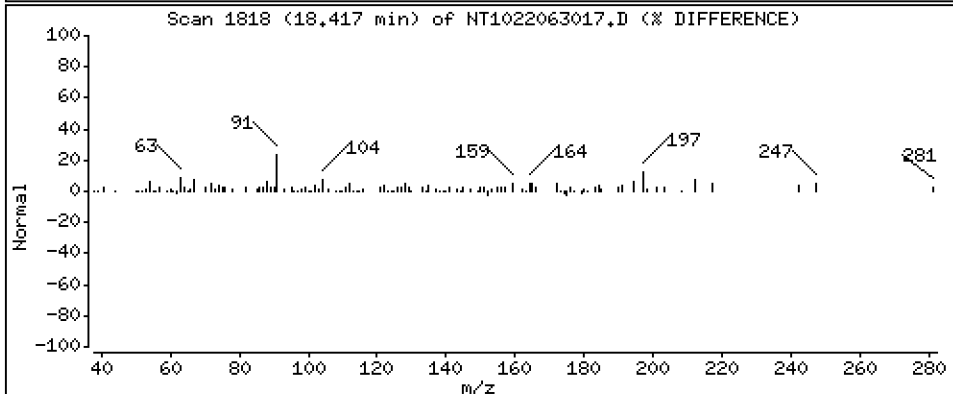
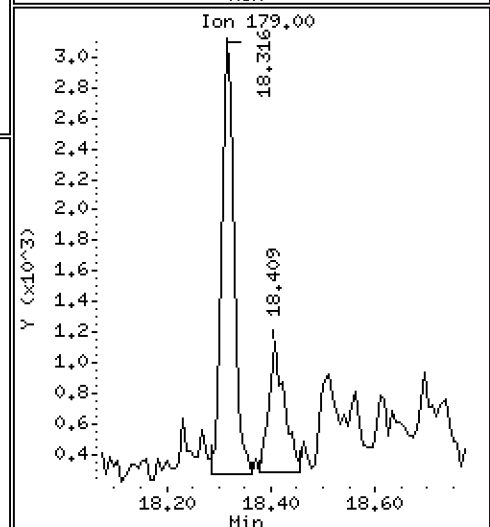
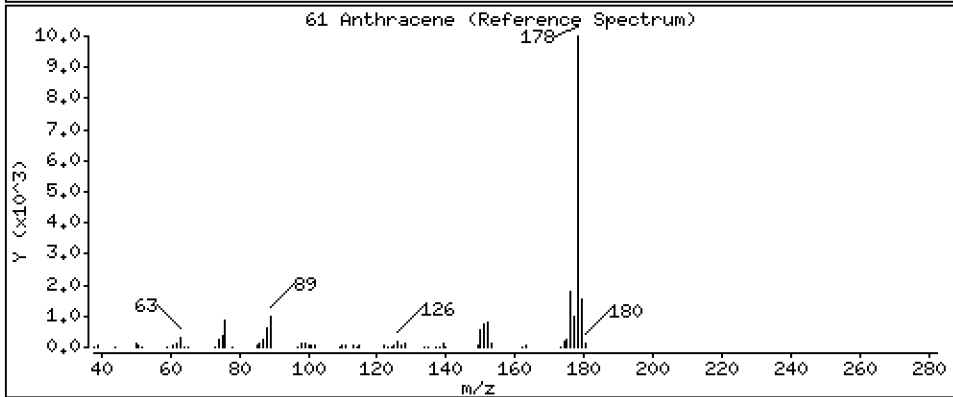
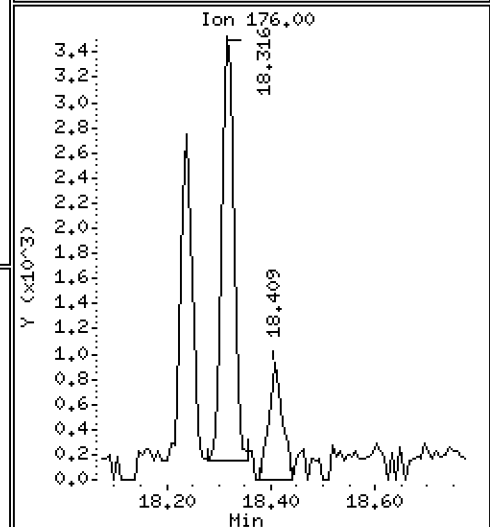
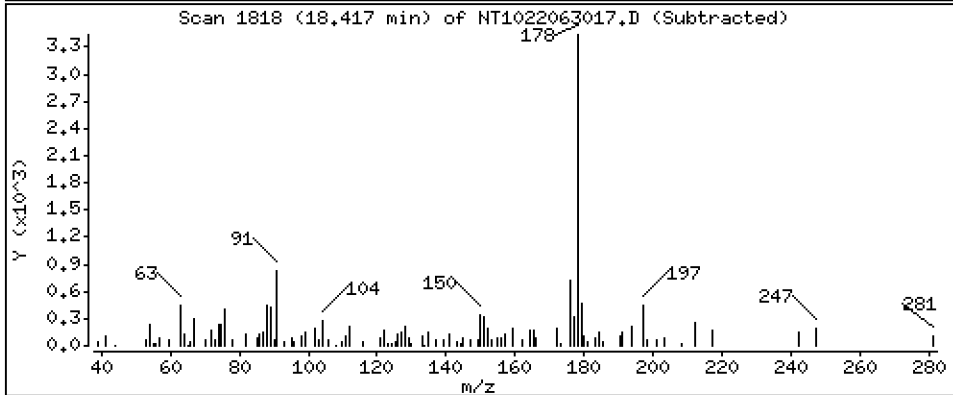
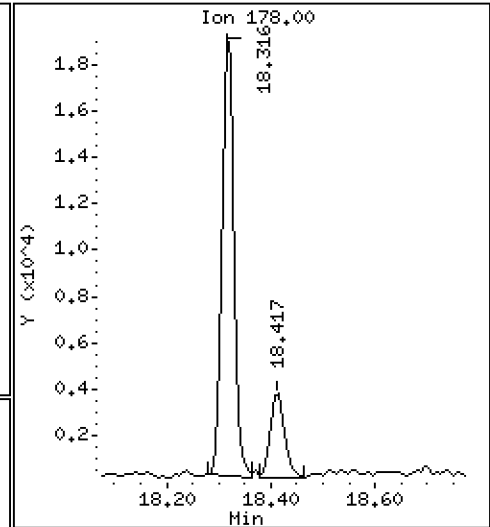
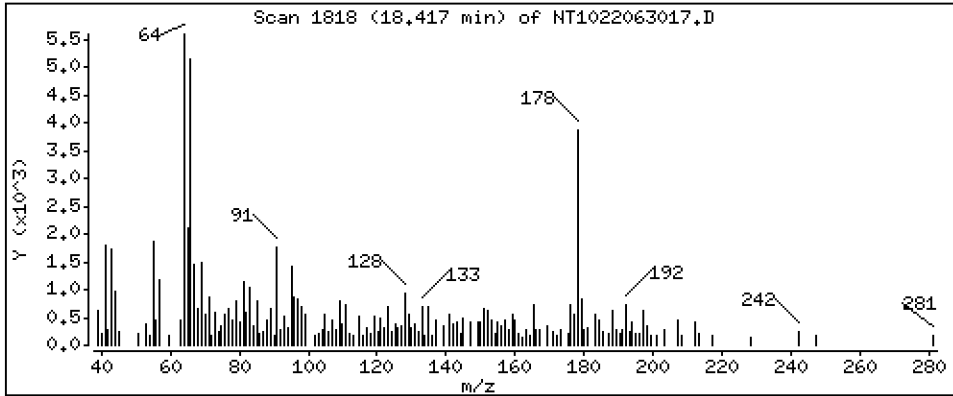
Operator: VTS

Column phase: ZB-5msi

Column diameter: 0,25

Concentration: 0,03296 ug/mL

61 Anthracene



Date : 30-JUN-2022 23:56

Client ID:

Instrument: nt10.i

Sample Info: 22F0267-20

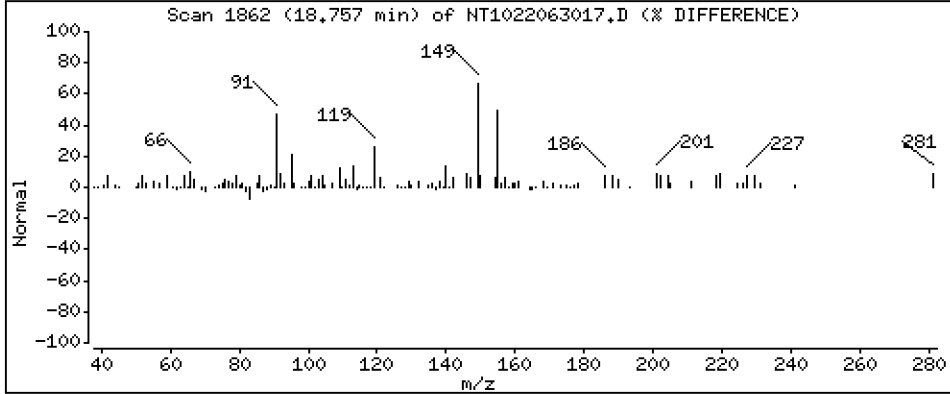
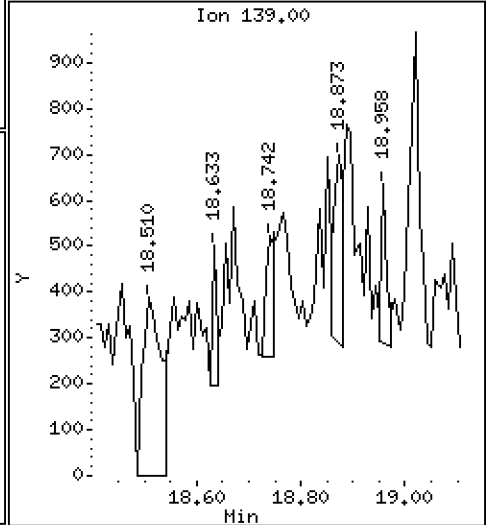
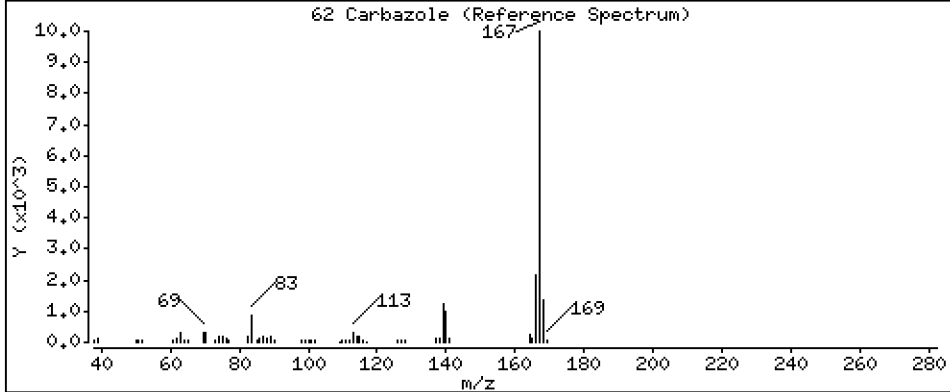
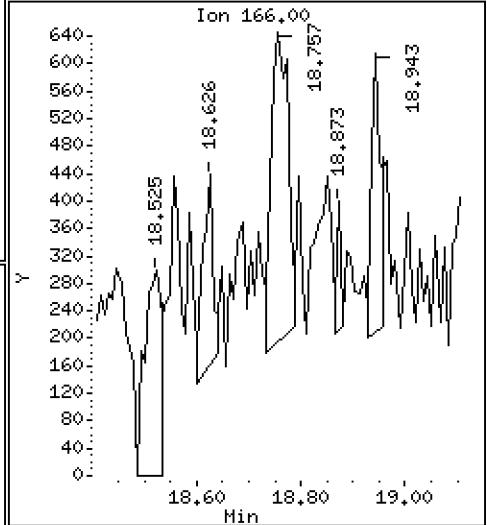
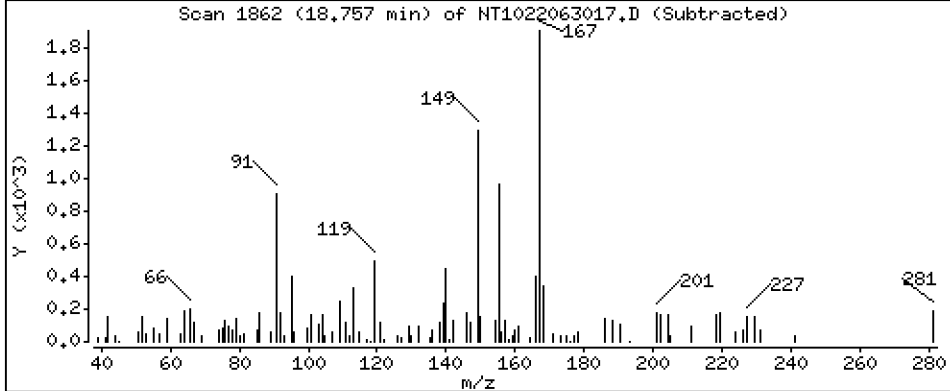
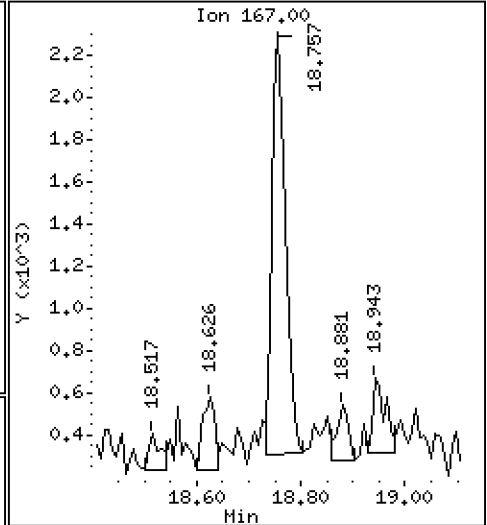
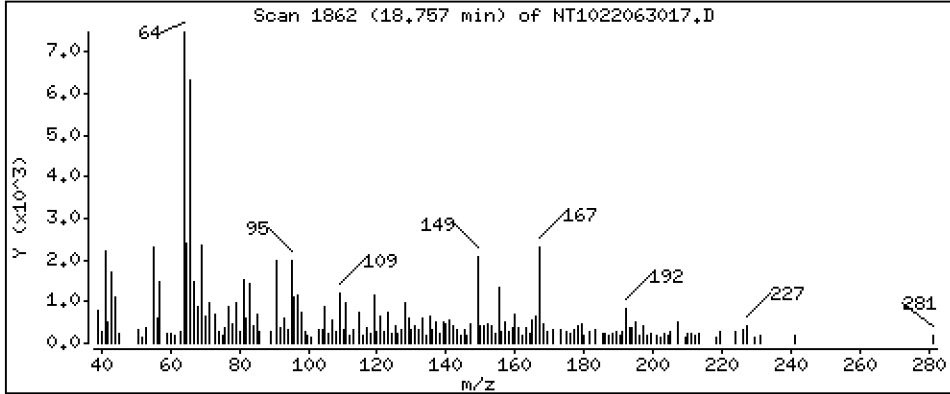
Operator: VTS

Column phase: ZB-5msi

Column diameter: 0.25

62 Carbazole

Concentration: 0.01725 ug/mL



Date : 30-JUN-2022 23:56

Client ID:

Instrument: nt10.i

Sample Info: 22F0267-20

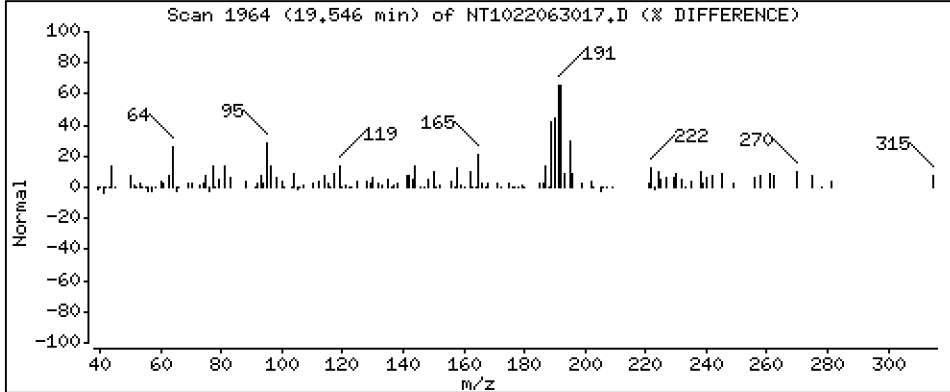
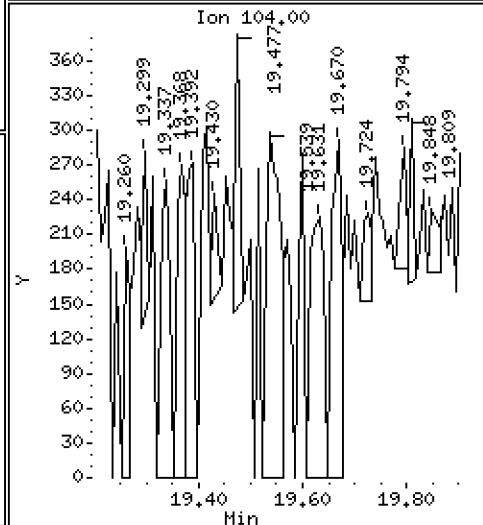
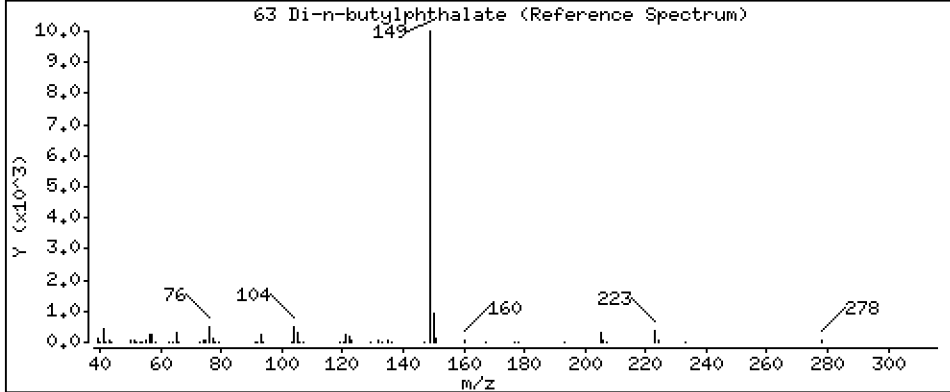
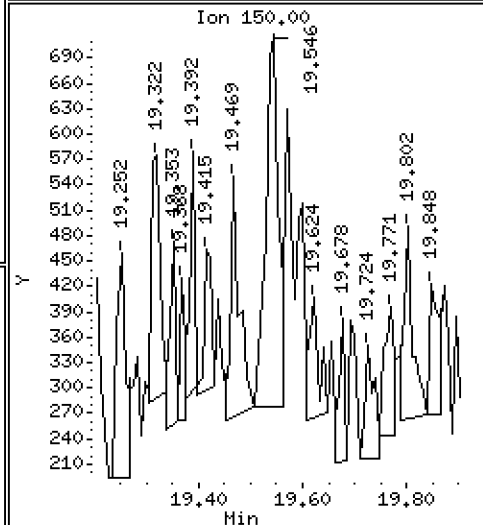
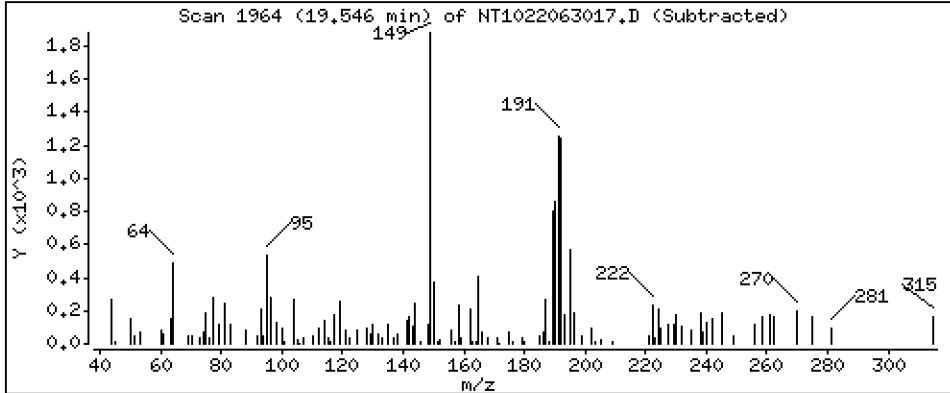
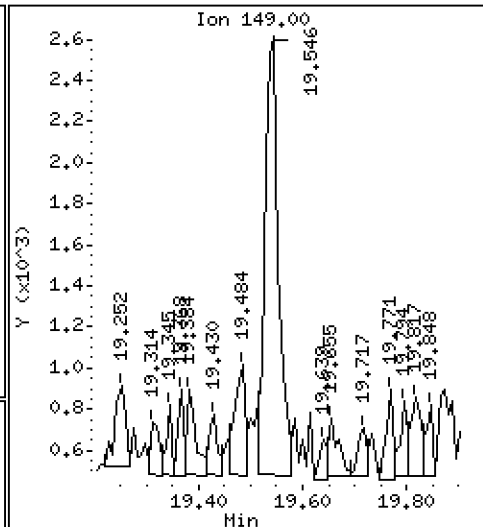
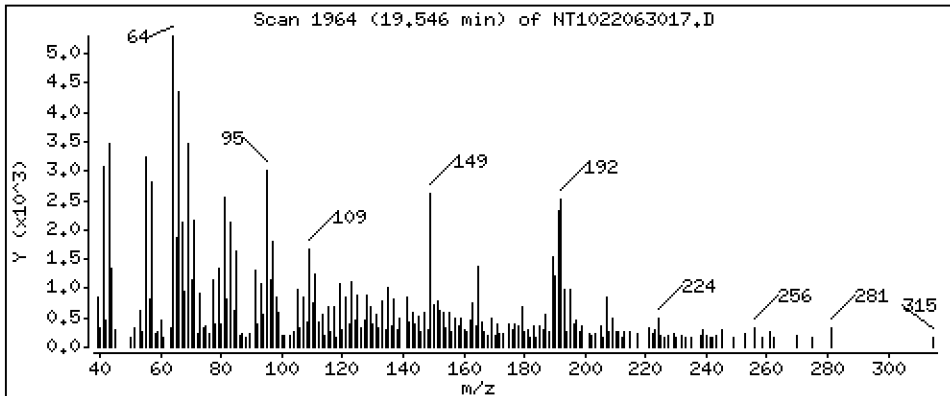
Operator: VTS

Column phase: ZB-5msi

Column diameter: 0.25

63 Di-n-butylphthalate

Concentration: 0.01352 ug/mL



Date : 30-JUN-2022 23:56

Client ID:

Instrument: nt10.i

Sample Info: 22F0267-20

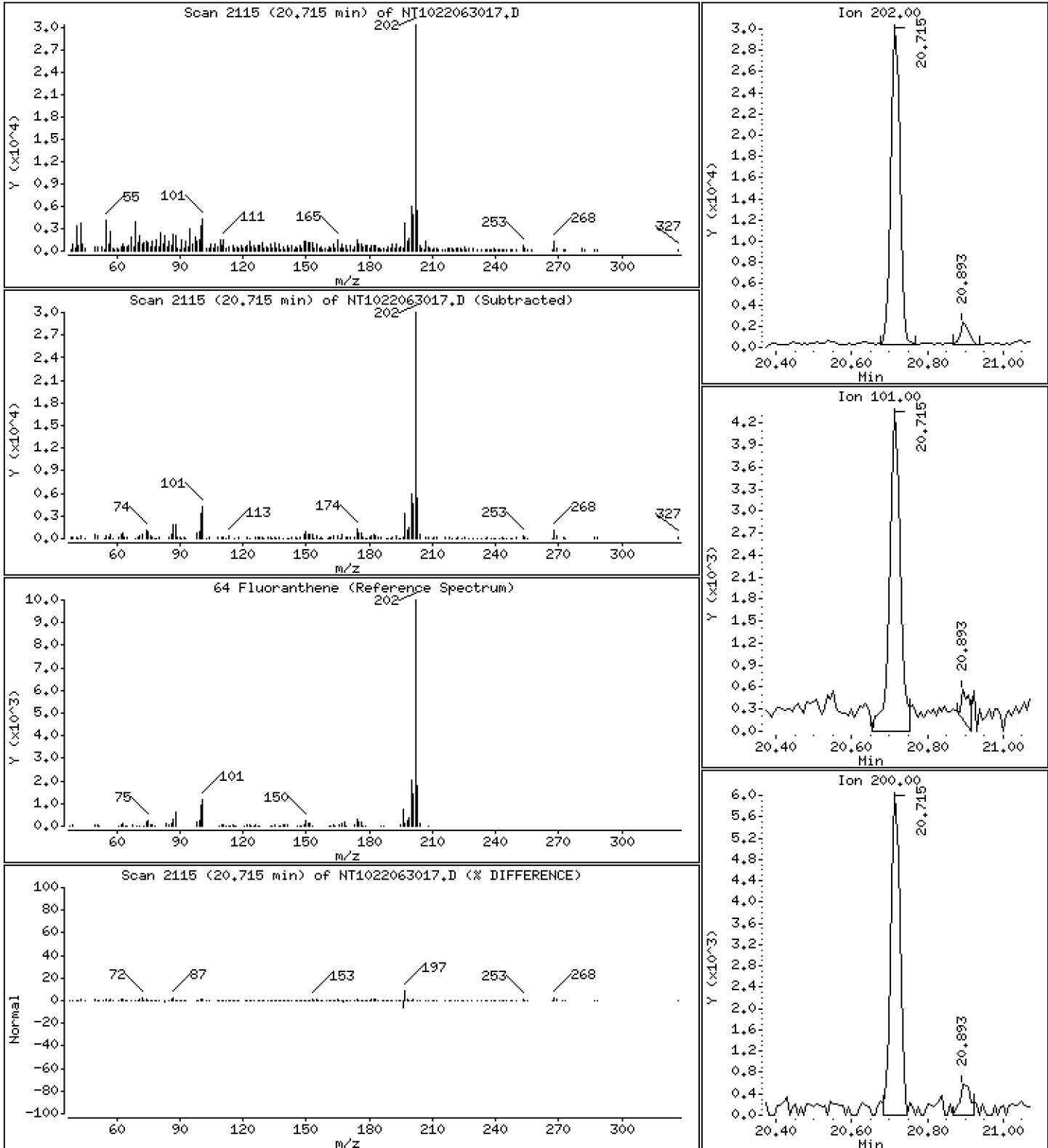
Operator: VTS

Column phase: ZB-5msi

Column diameter: 0,25

64 Fluoranthene

Concentration: 0,3759 ug/mL



Date : 30-JUN-2022 23:56

Client ID:

Instrument: nt10.i

Sample Info: 22F0267-20

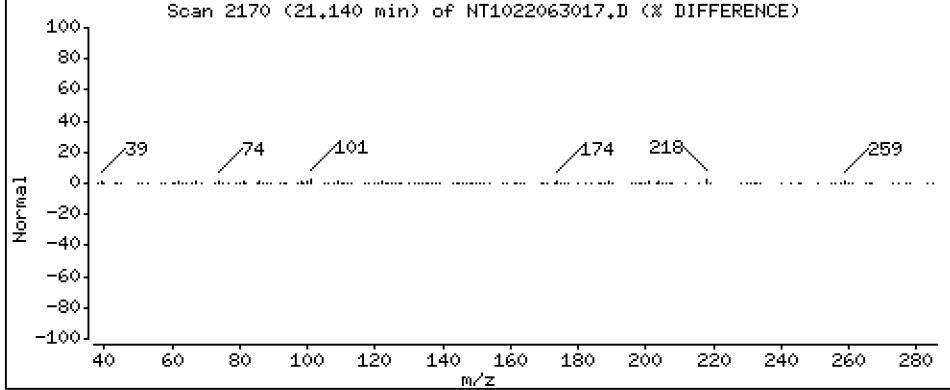
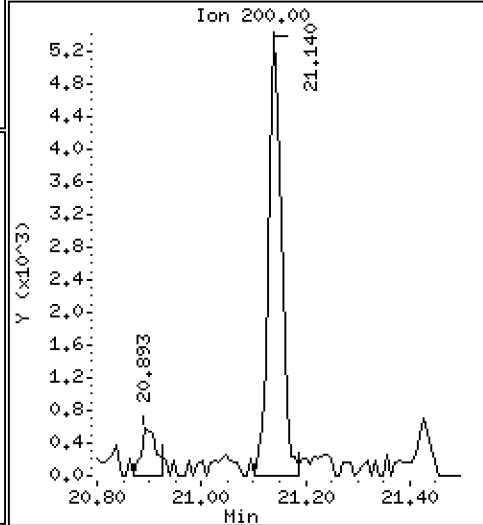
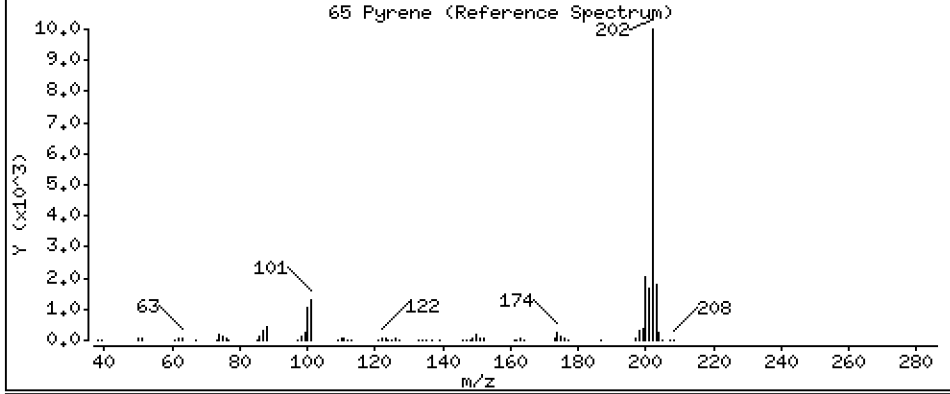
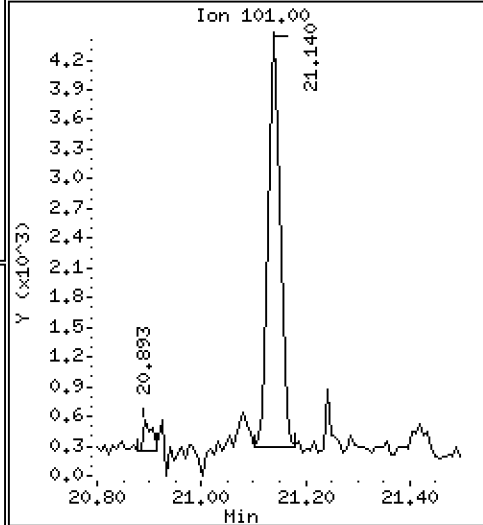
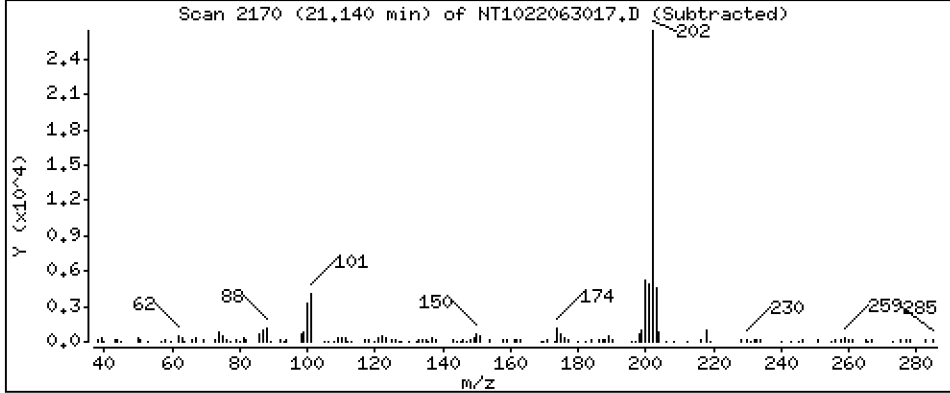
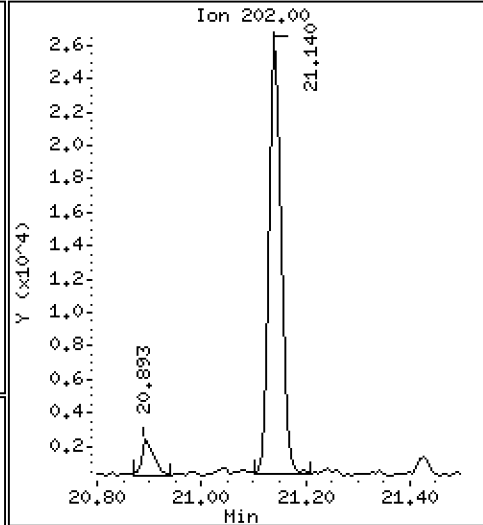
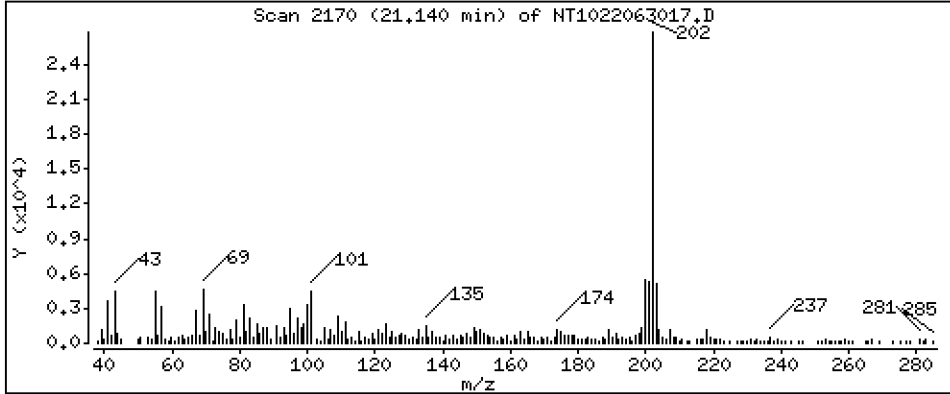
Operator: VTS

Column phase: ZB-5msi

Column diameter: 0,25

65 Pyrene

Concentration: 0,3766 ug/mL



Date : 30-JUN-2022 23:56

Client ID:

Instrument: nt10.i

Sample Info: 22F0267-20

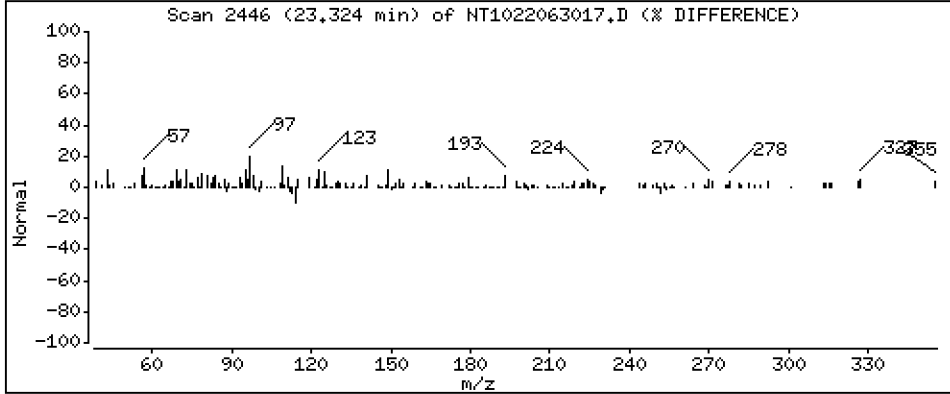
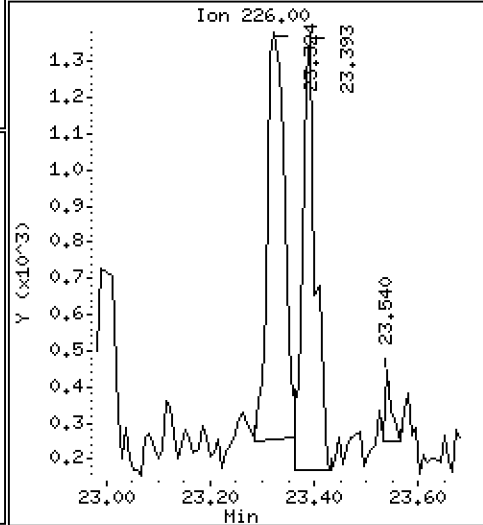
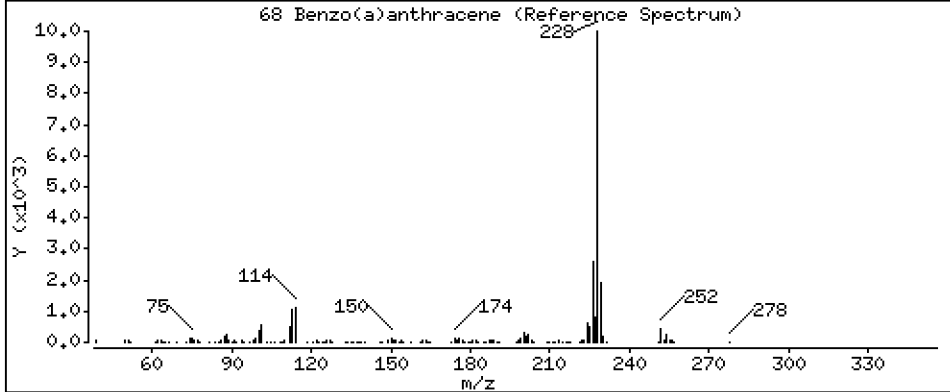
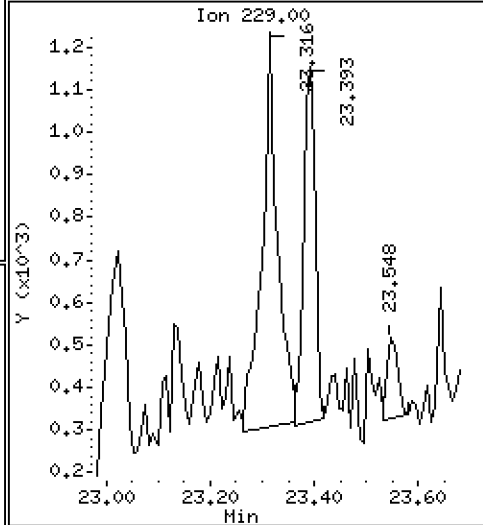
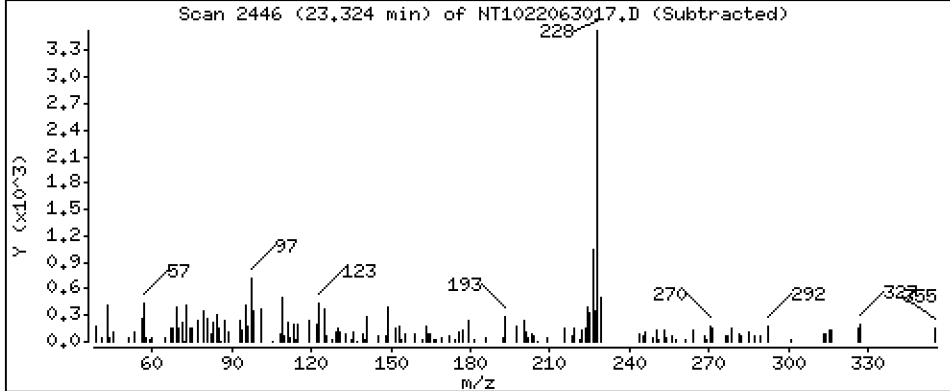
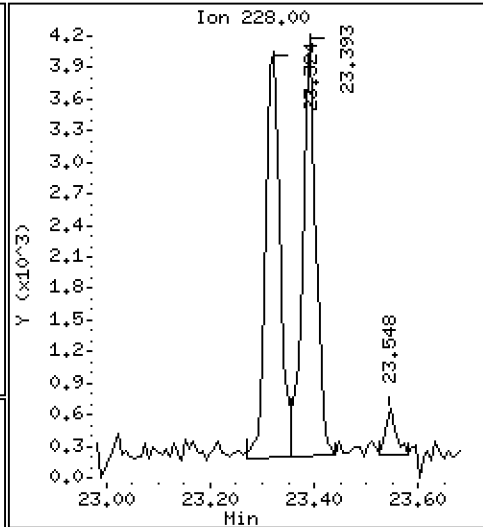
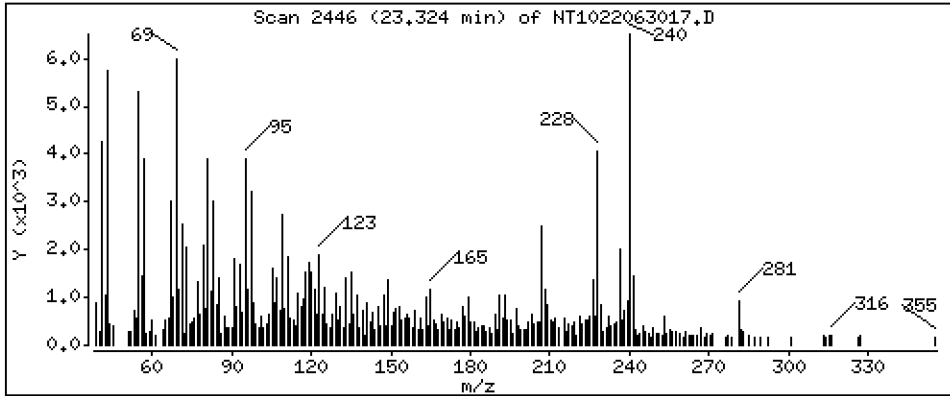
Operator: VTS

Column phase: ZB-5msi

Column diameter: 0,25

68 Benzo(a)anthracene

Concentration: 0,09702 ug/mL



Date : 30-JUN-2022 23:56

Client ID:

Instrument: nt10.i

Sample Info: 22F0267-20

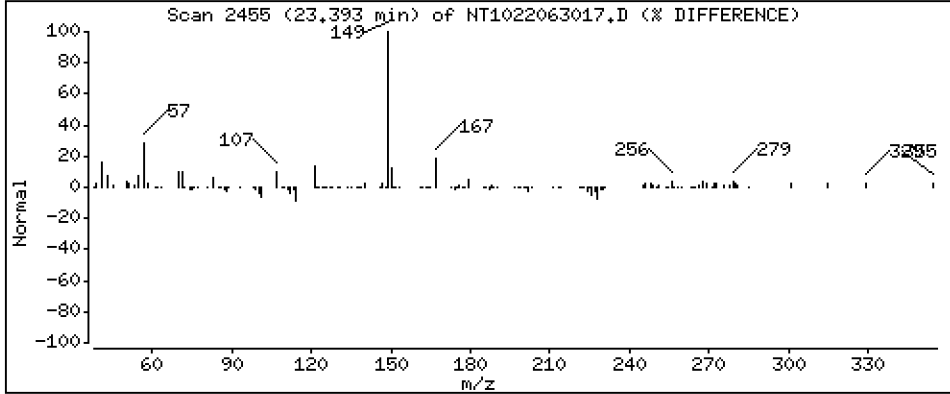
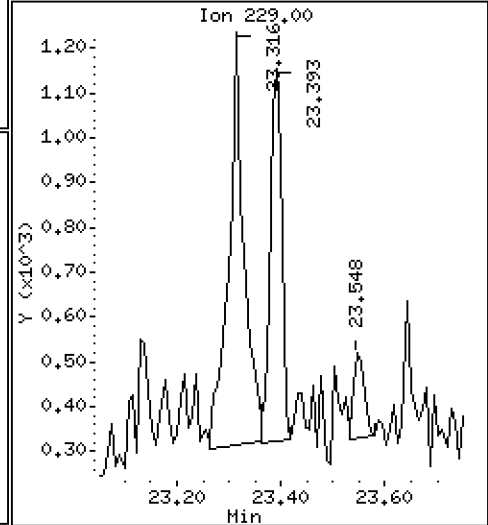
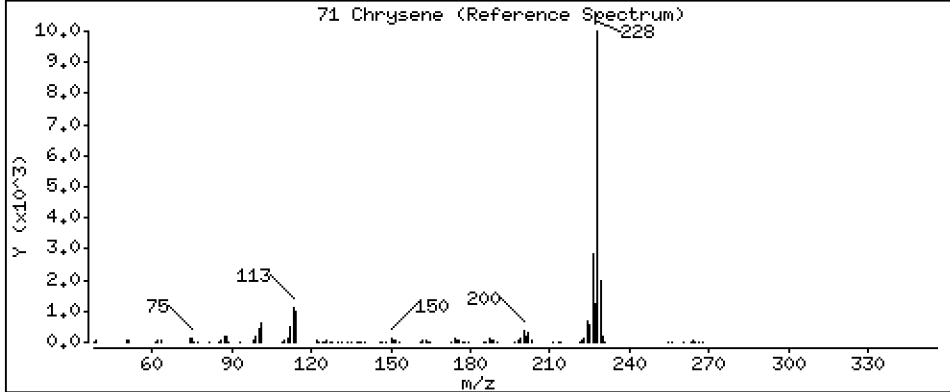
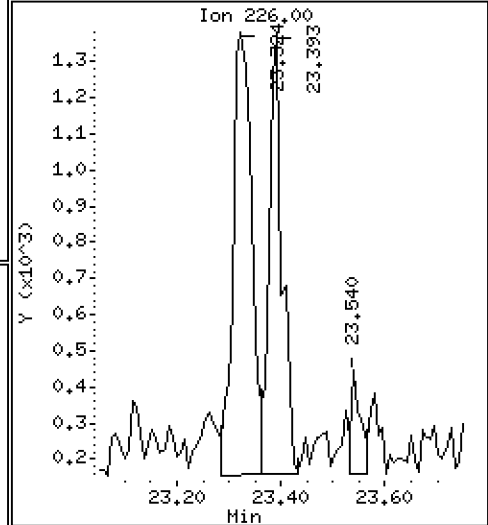
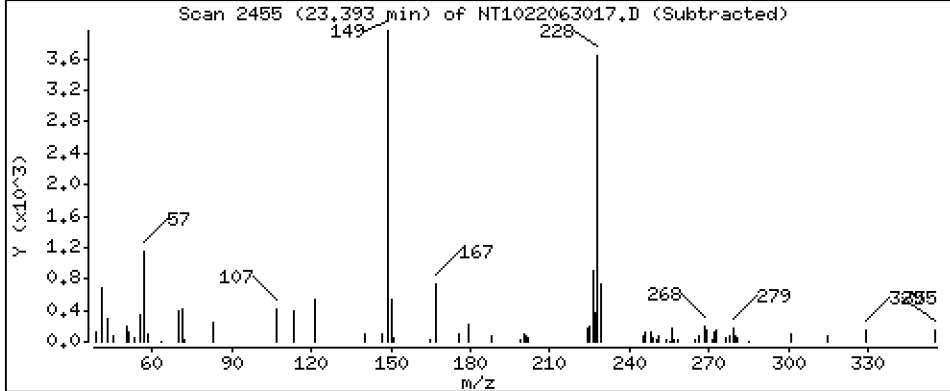
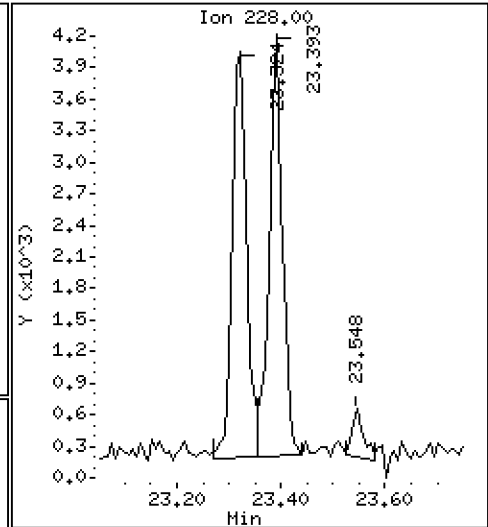
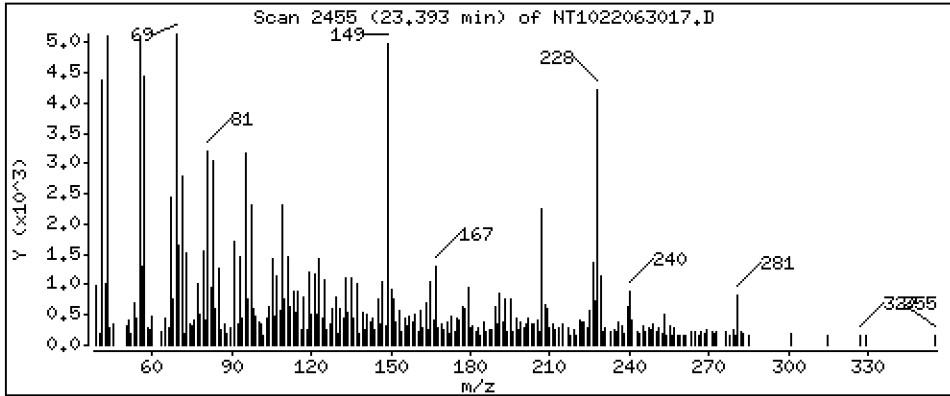
Operator: VTS

Column phase: ZB-5msi

Column diameter: 0,25

71 Chrysene

Concentration: 0,1429 ug/mL



Date : 30-JUN-2022 23:56

Client ID:

Instrument: nt10.i

Sample Info: 22F0267-20

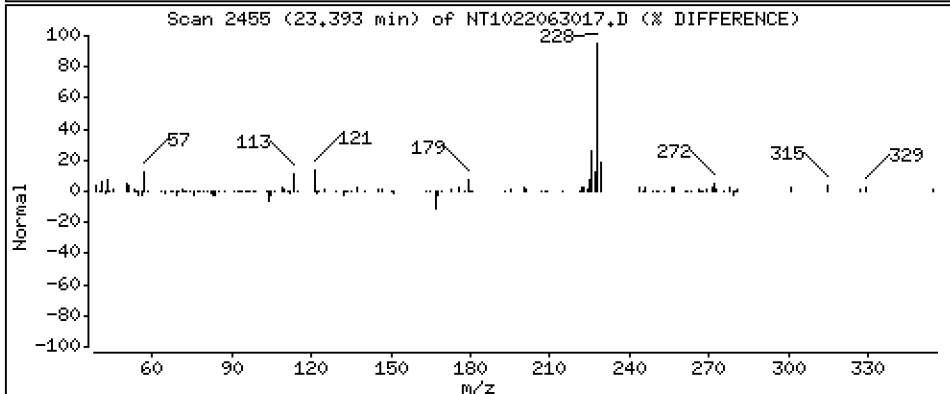
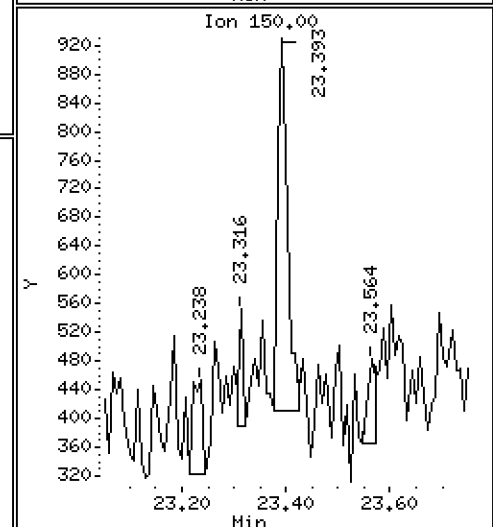
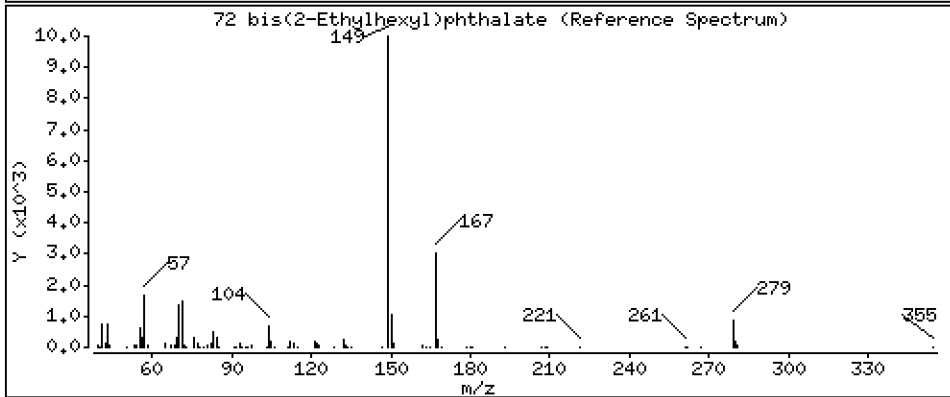
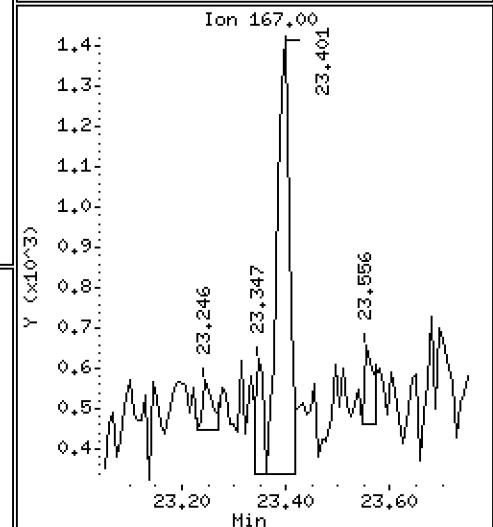
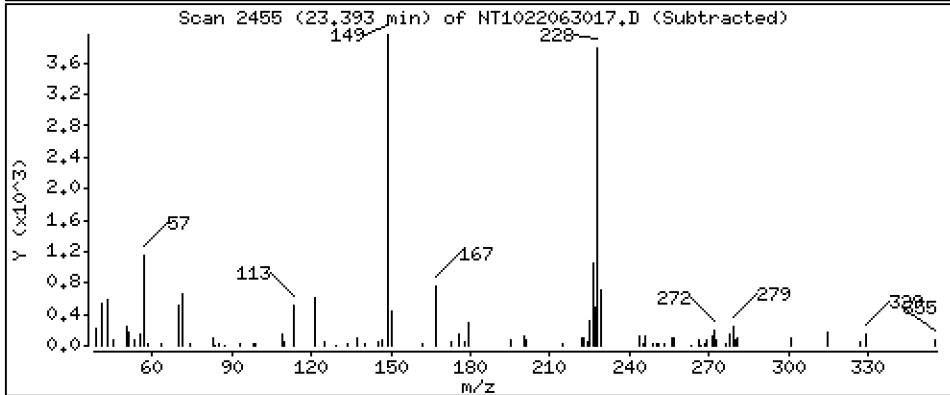
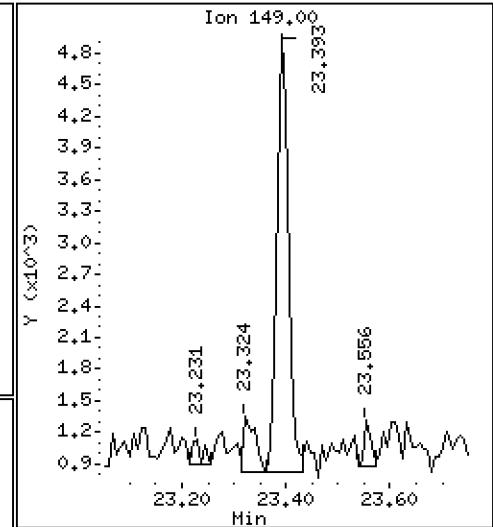
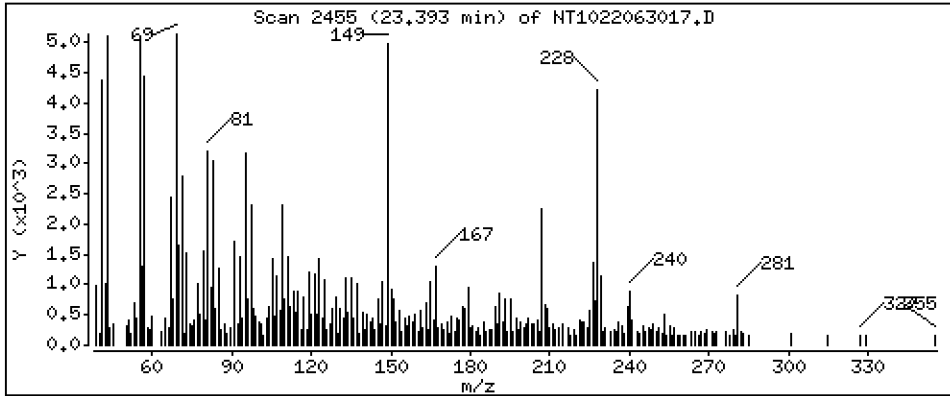
Operator: VTS

Column phase: ZB-5msi

Column diameter: 0,25

72 bis(2-Ethylhexyl)phthalate

Concentration: 0,1624 ug/mL



Date : 30-JUN-2022 23:56

Client ID:

Instrument: nt10.i

Sample Info: 22F0267-20

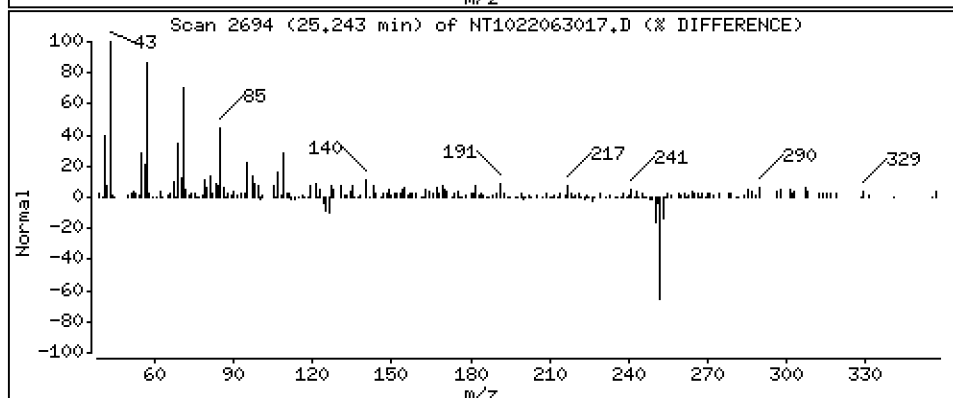
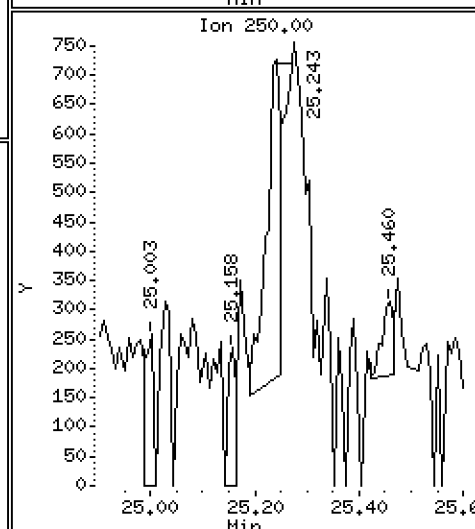
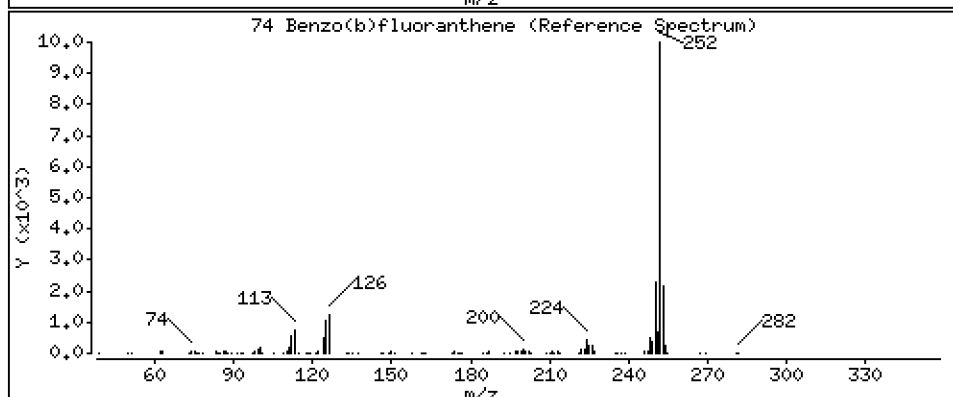
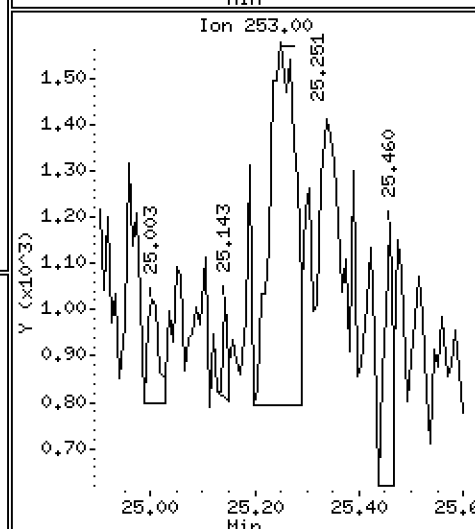
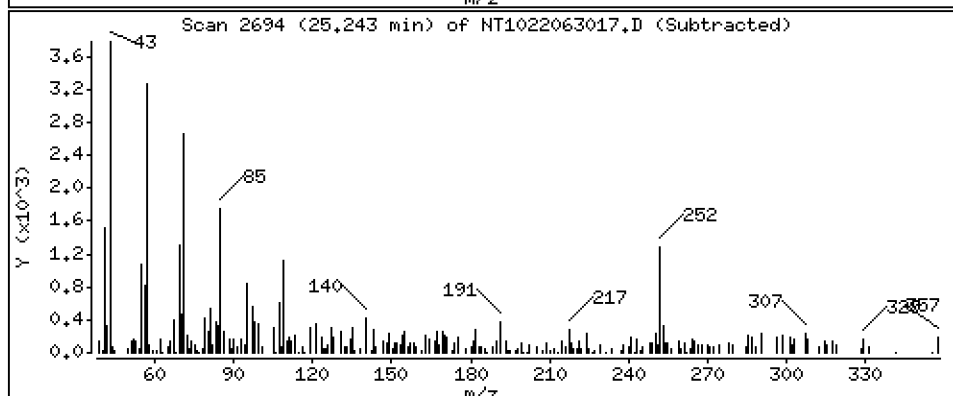
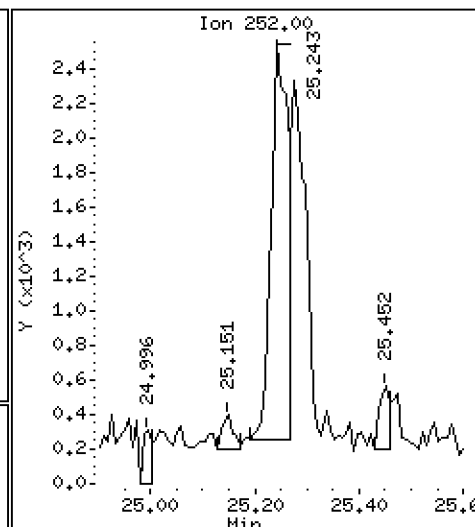
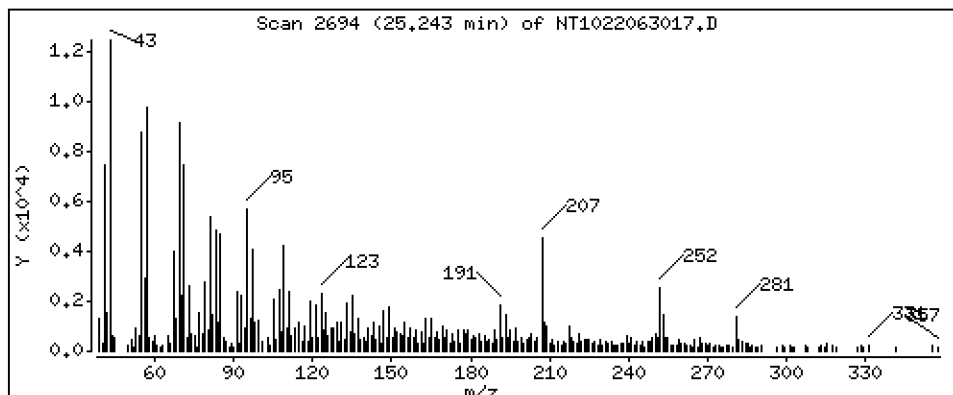
Operator: VTS

Column phase: ZB-5msi

Column diameter: 0,25

74 Benzo(b)fluoranthene

Concentration: 0,09333 ug/mL



Date : 30-JUN-2022 23:56

Client ID:

Instrument: nt10.i

Sample Info: 22F0267-20

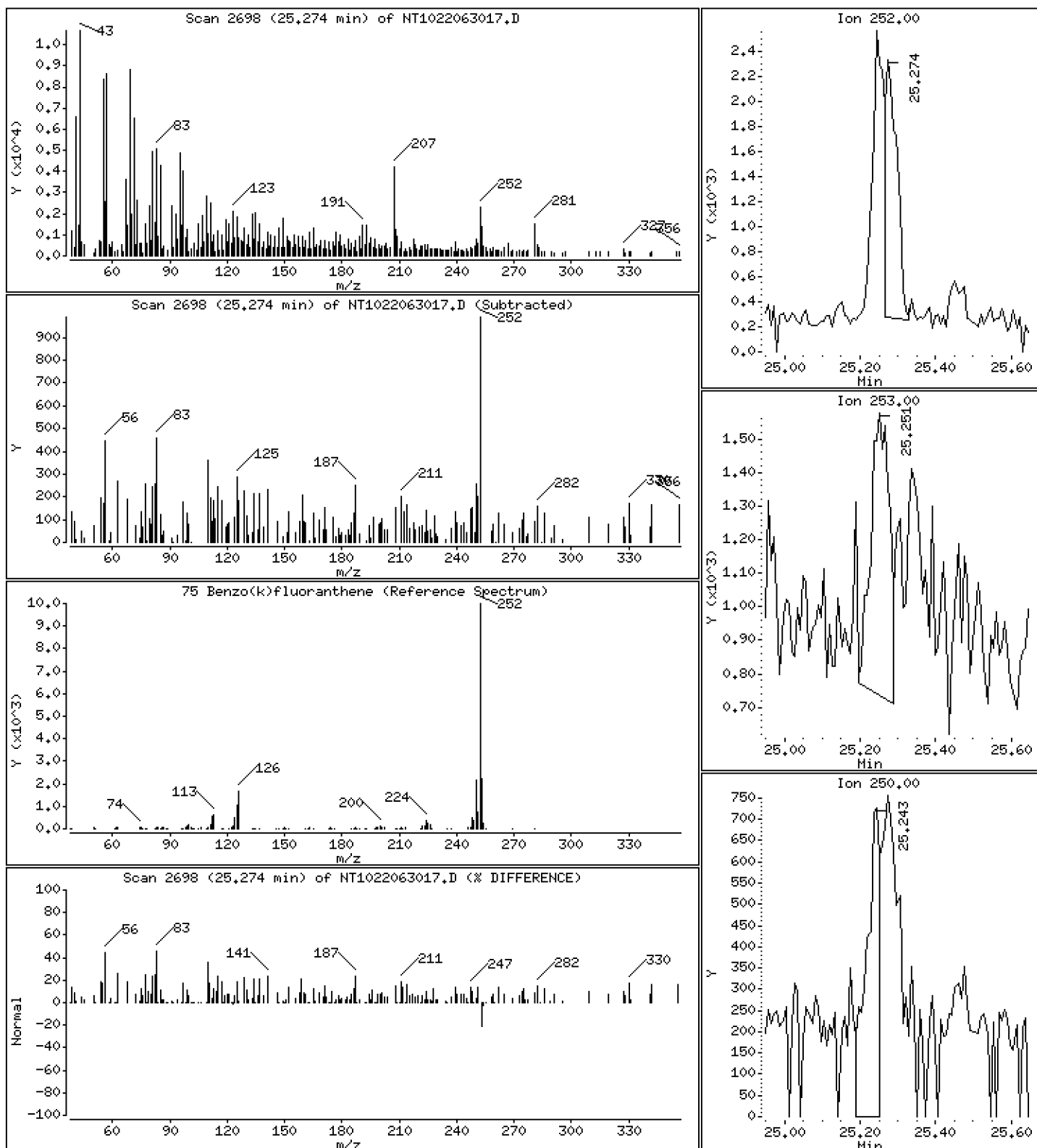
Operator: VTS

Column phase: ZB-5msi

Column diameter: 0,25

75 Benzo(k)fluoranthene

Concentration: 0,08570 ug/mL



Date : 30-JUN-2022 23:56

Client ID:

Instrument: nt10.i

Sample Info: 22F0267-20

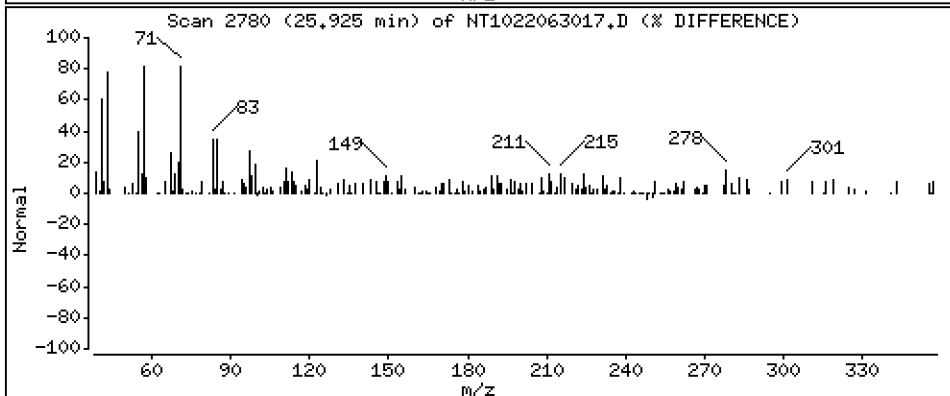
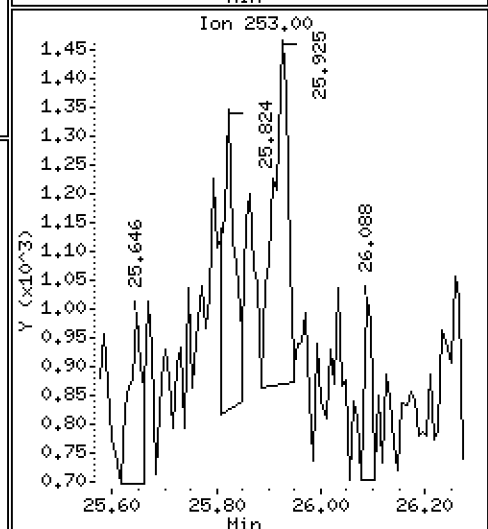
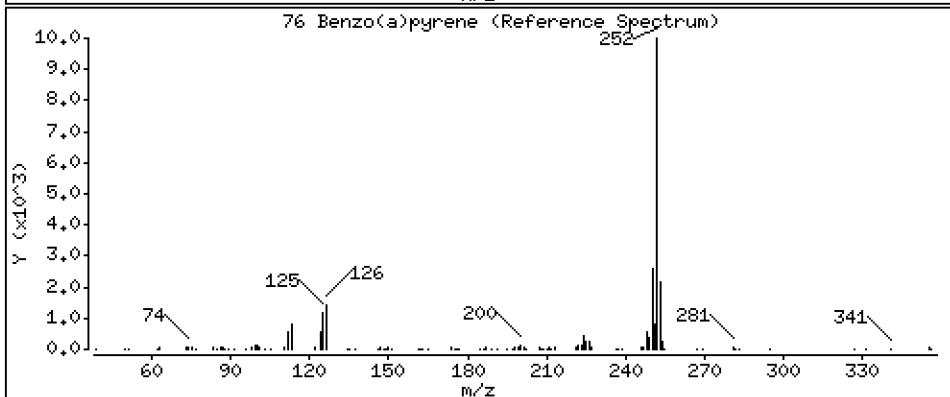
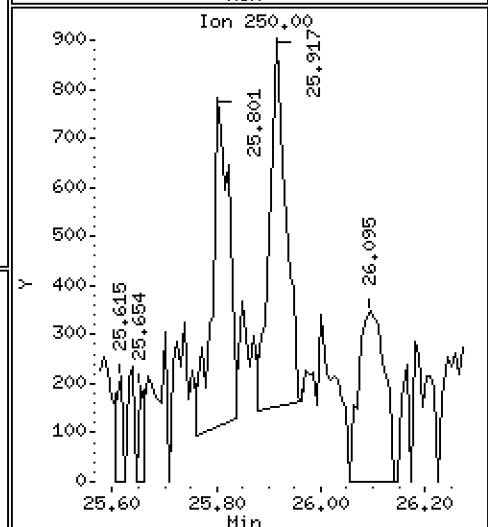
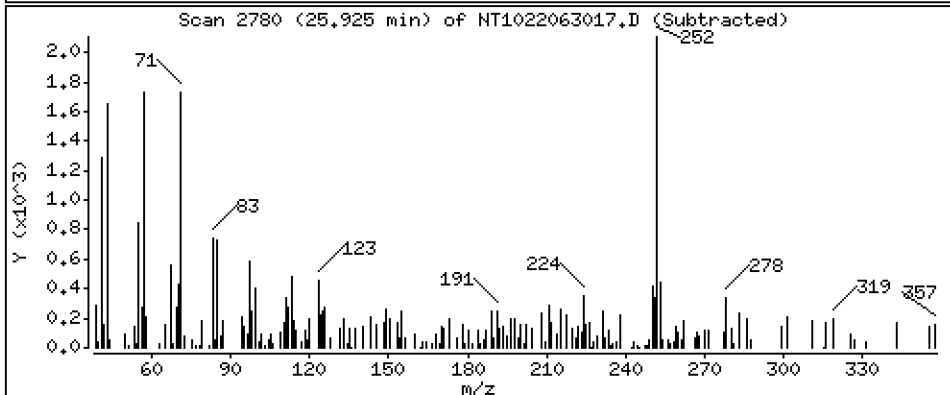
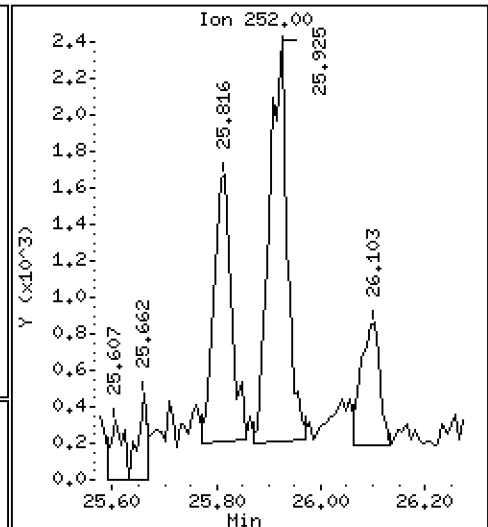
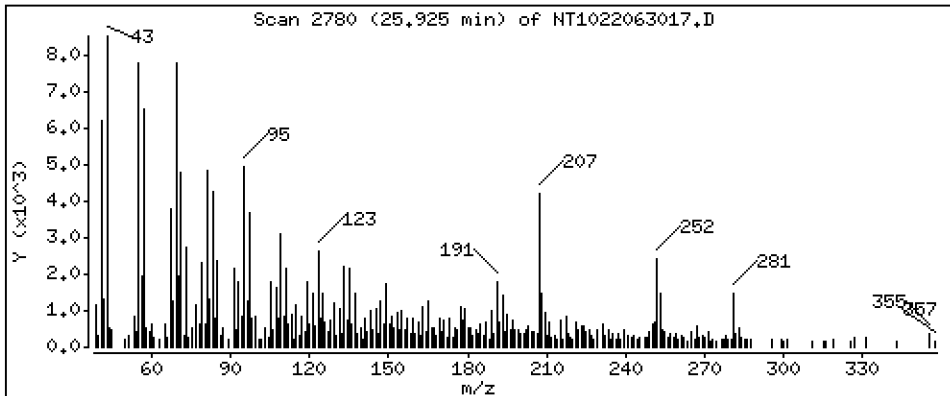
Operator: VTS

Column phase: ZB-5msi

Column diameter: 0,25

76 Benzo(a)pyrene

Concentration: 0,1140 ug/mL



Date : 30-JUN-2022 23:56

Client ID:

Instrument: nt10.i

Sample Info: 22F0267-20

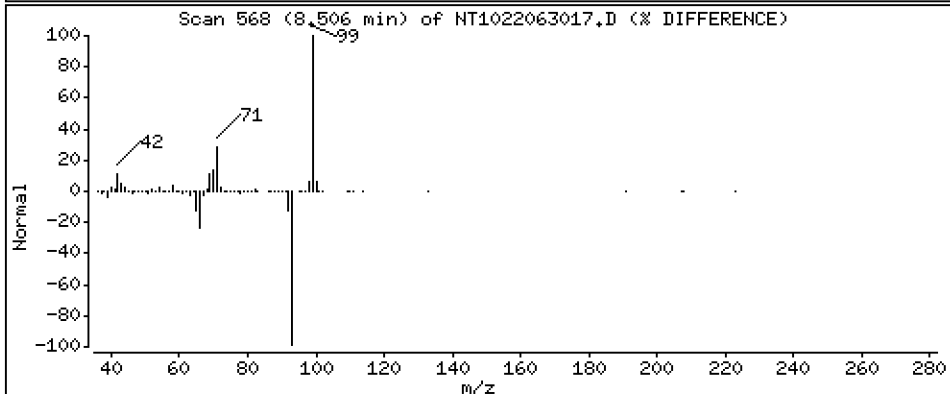
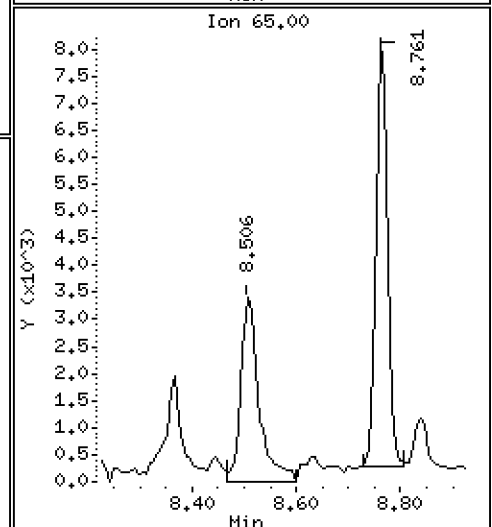
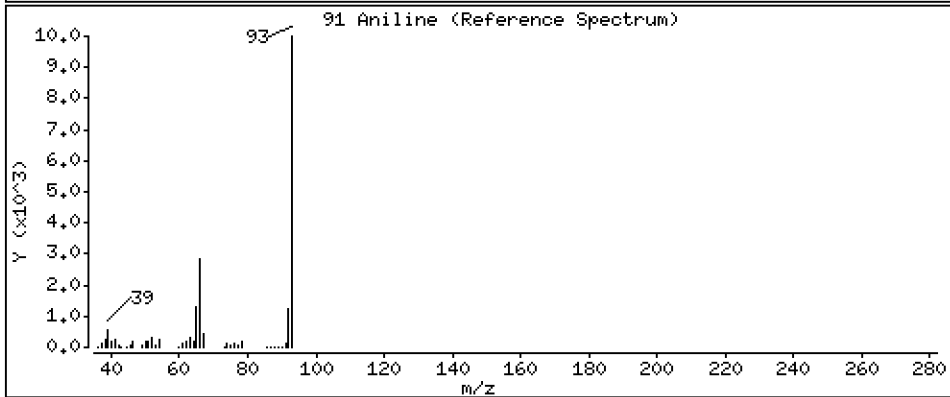
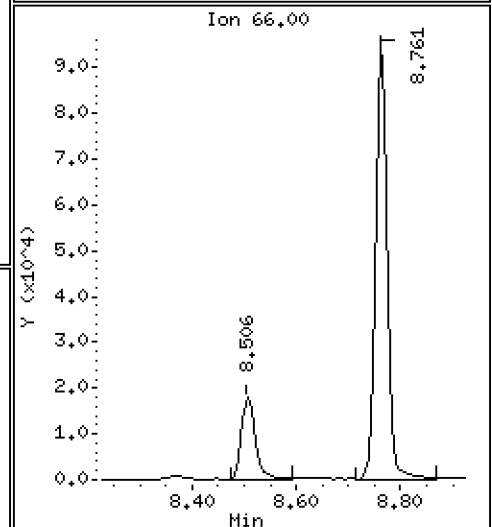
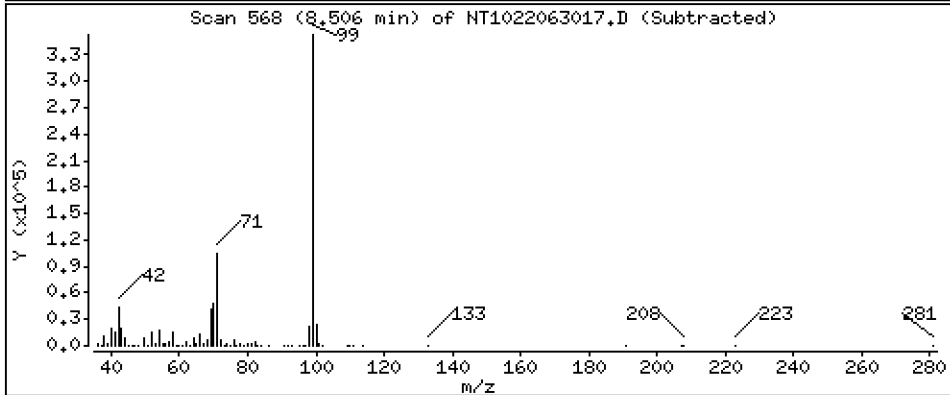
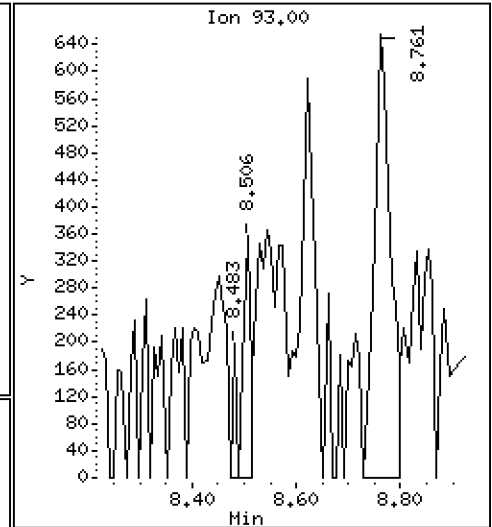
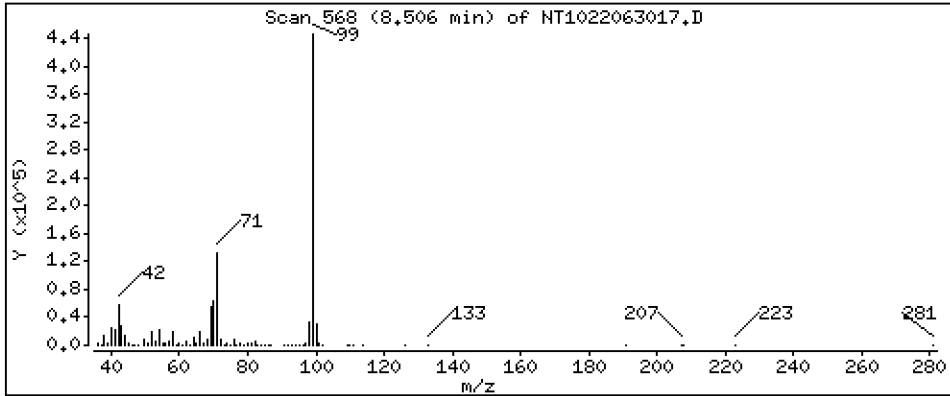
Operator: VTS

Column phase: ZB-5msi

Column diameter: 0,25

Concentration: 0,002365 ug/mL

91 Aniline



Date : 30-JUN-2022 23:56

Client ID:

Instrument: nt10.i

Sample Info: 22F0267-20

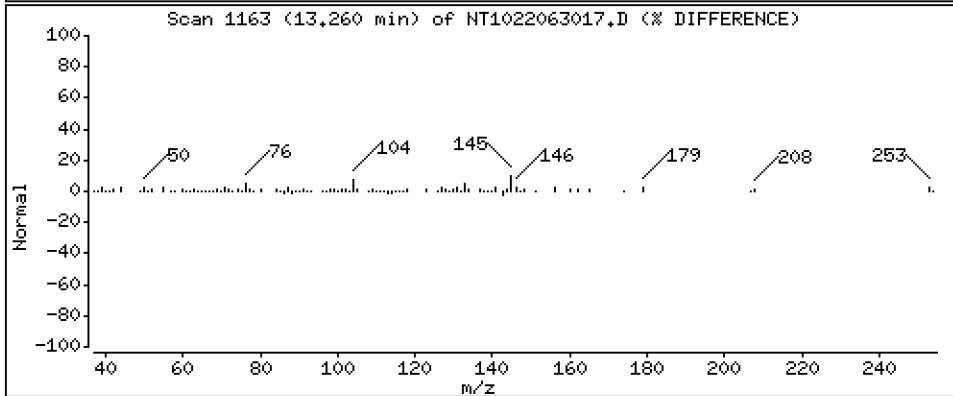
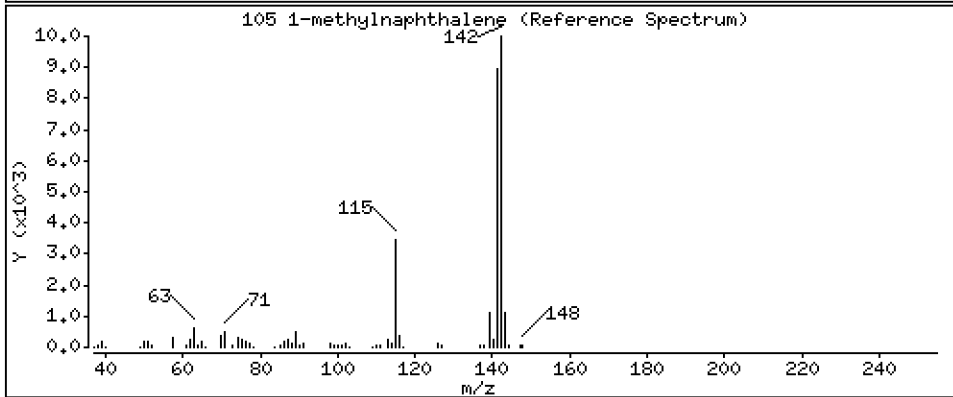
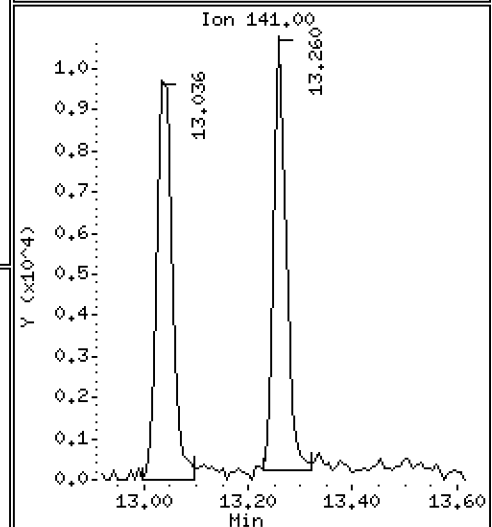
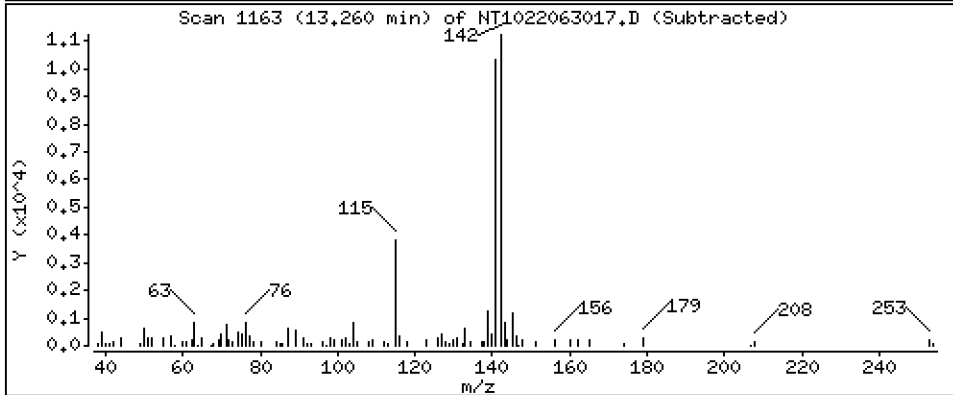
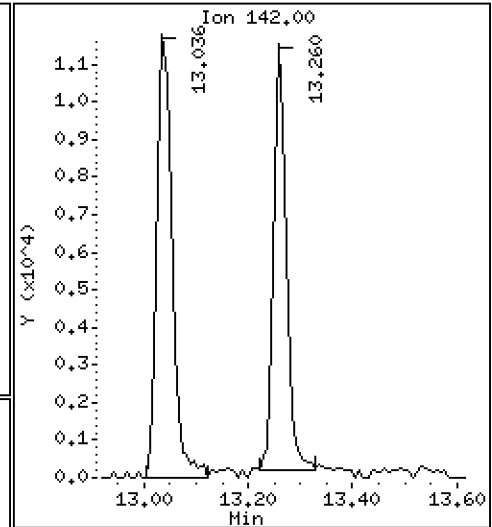
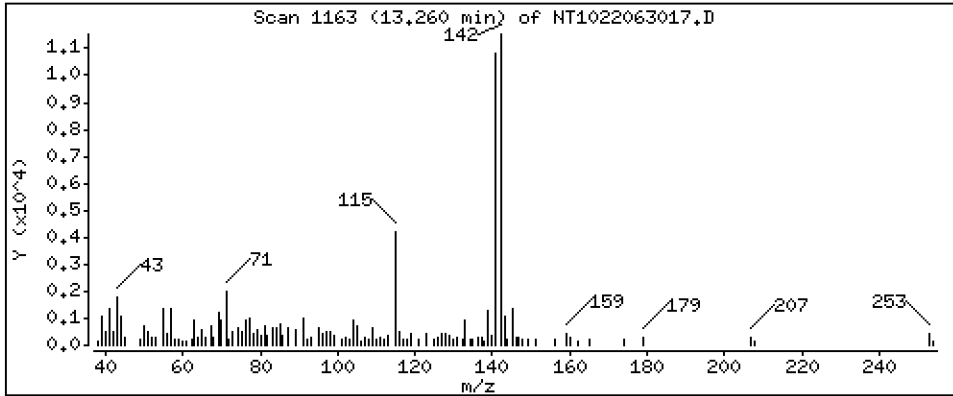
Operator: VTS

Column phase: ZB-5msi

Column diameter: 0,25

105 1-methylnaphthalene

Concentration: 0,07748 ug/mL



Date : 30-JUN-2022 23:56

Client ID:

Instrument: nt10.i

Sample Info: 22F0267-20

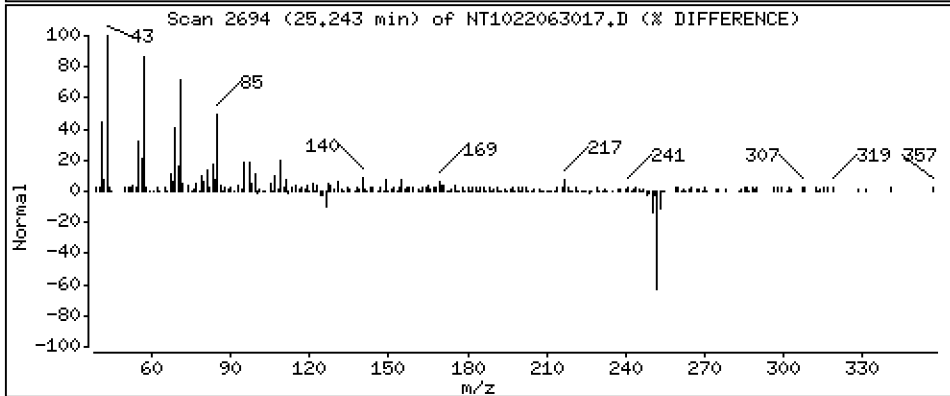
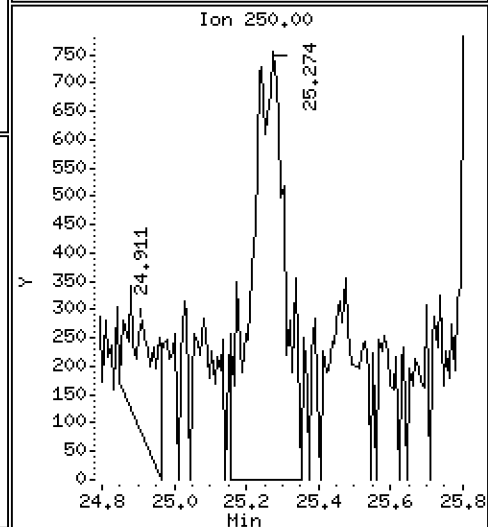
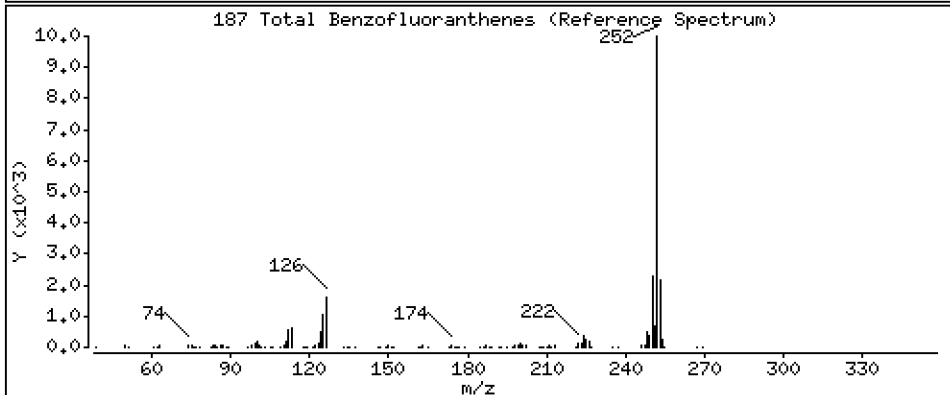
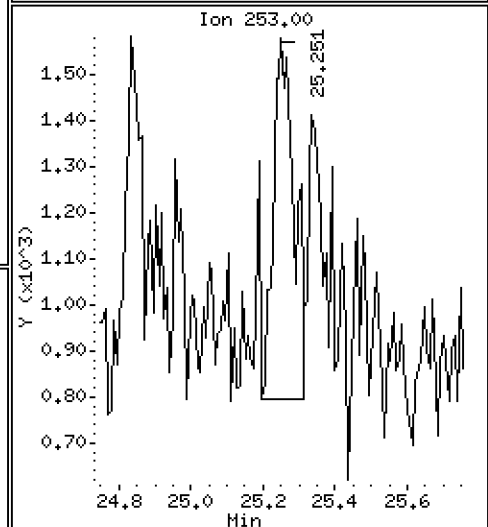
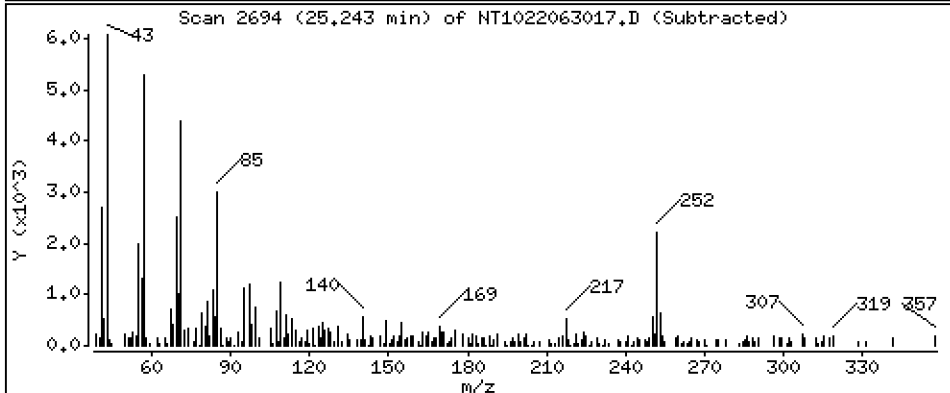
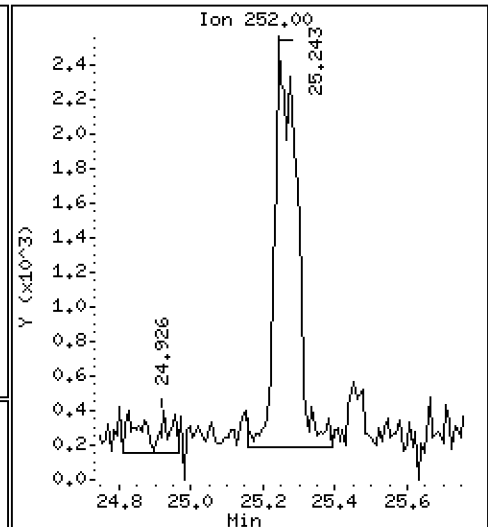
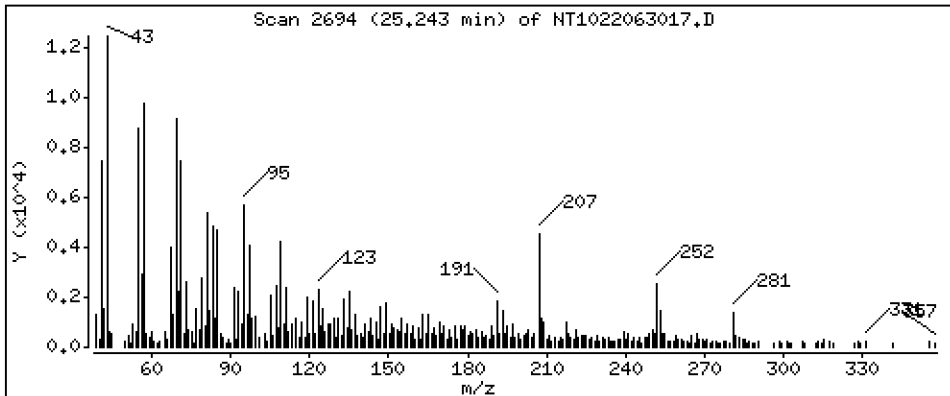
Operator: VTS

Column phase: ZB-5msi

Column diameter: 0,25

187 Total Benzofluoranthenes

Concentration: 0,1966 ug/mL



ARI Labs, Inc.

Semivolatile Report SW846 Method 8270D

Data file : \\target\share\chem3\nt10.i\20220630.b\NT1022063017.D
 Lab Smp Id: 22F0267-20
 Inj Date : 30-JUN-2022 23:56
 Operator : VTS
 Smp Info : 22F0267-20
 Misc Info :
 Comment : 1ul Injection
 Method : \\target\share\chem3\nt10.i\20220630.b\ABN.m
 Meth Date : 01-Jul-2022 17:13 yev
 Cal Date : 23-JUN-2022 13:07
 Als bottle: 16
 Dil Factor: 1.00000
 Integrator: HP RTE
 Target Version: 4.14
 Processing Host: ORGDATA102

Inst ID: nt10.i
 Quant Type: ISTD
 Cal File: NT1022062308.D
 Compound Sublist: ICAL.sub

Compounds	QUANT	SIG	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS	
							ON-COLUMN (ug/mL)	FINAL (ug/mL)
\$ 1 2-Fluorophenol	112		6.922	6.922	(0.760)	499403	4.86382	4.864
\$ 2 Phenol-d5	99		8.506	8.513	(0.934)	712571	4.67718	4.677
3 Phenol	94		Compound Not Detected.					
\$ 5 2-Chlorophenol-d4	132		8.761	8.768	(0.962)	662258	6.33002	6.330
4 Bis(2-Chloroethyl)ether	93		Compound Not Detected.					
6 2-Chlorophenol	128		Compound Not Detected.					
7 1,3-Dichlorobenzene	146		Compound Not Detected.					
* 8 1,4-Dichlorobenzene-d4	152		9.109	9.117	(1.000)	281189	4.00000	
9 1,4-Dichlorobenzene	146		Compound Not Detected.					
\$ 10 1,2-Dichlorobenzene-d4	152		9.474	9.474	(1.040)	275448	4.27263	4.273
12 1,2-Dichlorobenzene	146		Compound Not Detected.					
11 Benzyl alcohol	108		Compound Not Detected.					
14 2,2'-oxybis(1-Chloropropane)	121		Compound Not Detected.					
13 2-Methylphenol	108		Compound Not Detected.					
17 Hexachloroethane	117		Compound Not Detected.					
16 N-Nitroso-di-n-propylamine	70		Compound Not Detected.					
15 4-Methylphenol	108		Compound Not Detected.					
\$ 18 Nitrobenzene-d5	82		10.203	10.211	(0.880)	443070	4.28959	4.290
19 Nitrobenzene	77		Compound Not Detected.					
20 Isophorone	82		Compound Not Detected.					
21 2-Nitrophenol	139		Compound Not Detected.					
22 2,4-Dimethylphenol	107		Compound Not Detected.					
23 Bis(2-Chloroethoxy)methane	93		Compound Not Detected.					
24 Benzoic acid	105		Compound Not Detected.					
25 2,4-Dichlorophenol	162		Compound Not Detected.					
26 1,2,4-Trichlorobenzene	180		Compound Not Detected.					
* 27 Naphthalene-d8	136		11.596	11.604	(1.000)	970710	4.00000	
28 Naphthalene	128		11.635	11.643	(1.003)	21327	0.08585	0.08585
29 4-Chloroaniline	127		Compound Not Detected.					
30 Hexachlorobutadiene	225		Compound Not Detected.					
31 4-Chloro-3-methylphenol	107		Compound Not Detected.					
32 2-Methylnaphthalene	142		13.035	13.043	(1.124)	23063	0.09341	0.09341
33 Hexachlorocyclopentadiene	237		Compound Not Detected.					

Compounds	QUANT	SIG	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS	
							ON-COLUMN (ug/mL)	FINAL (ug/mL)
34 2,4,6-Trichlorophenol	196							
35 2,4,5-Trichlorophenol	196							
\$ 36 2-Fluorobiphenyl	172		13.817	13.824	(0.908)	1015865	4.53089	4.531
37 2-Chloronaphthalene	162							
38 2-Nitroaniline	65							
39 Dimethylphthalate	163							
40 Acenaphthylene	152							
41 2,6-Dinitrotoluene	165							
* 42 Acenaphthene-d10	164		15.217	15.225	(1.000)	495459	4.00000	
43 3-Nitroaniline	138							
44 Acenaphthene	153							
45 2,4-Dinitrophenol	184							
46 Dibenzofuran	168		15.619	15.619	(1.026)	16118	0.07039	0.07039
47 4-Nitrophenol	109							
48 2,4-Dinitrotoluene	165							
50 Diethylphthalate	149		16.176	16.191	(1.063)	26735	0.17937	0.1794
49 Fluorene	166		16.338	16.338	(1.074)	3163	0.01156	0.01156
51 4-Chlorophenyl-phenylether	204							
52 4-Nitroaniline	138							
53 4,6-Dinitro-2-methylphenol	198							
54 N-Nitrosodiphenylamine	169							
\$ 55 2,4,6-Tribromophenol	330		16.878	16.878	(1.109)	149551	6.63236	6.632
56 4-Bromophenyl-phenylether	248							
57 Hexachlorobenzene	284							
58 Pentachlorophenol	266							
* 59 Phenanthrene-d10	188		18.269	18.277	(1.000)	761824	4.00000	
60 Phenanthrene	178		18.316	18.331	(1.003)	31564	0.15771	0.1577
61 Anthracene	178		18.416	18.424	(1.008)	7029	0.03296	0.03296
62 Carbazole	167		18.757	18.757	(1.027)	3394	0.01725	0.01725
63 Di-n-butylphthalate	149		19.546	19.554	(1.070)	3981	0.01352	0.01352
64 Fluoranthene	202		20.714	20.722	(0.887)	46729	0.37592	0.3759
65 Pyrene	202		21.140	21.147	(0.905)	40952	0.37660	0.3766
\$ 66 Terphenyl-d14	244		21.426	21.434	(0.918)	347601	5.64774	5.648
67 Butylbenzylphthalate	149							
68 Benzo(a)anthracene	228		23.323	23.331	(0.999)	7251	0.09702	0.09702
* 69 Chrysene-d12	240		23.346	23.354	(1.000)	176367	4.00000	
70 3,3'-Dichlorobenzidine	252							
71 Chrysene	228		23.393	23.400	(1.002)	7068	0.14292	0.1429
72 bis(2-Ethylhexyl)phthalate	149		23.393	23.400	(0.959)	6207	0.16239	0.1624
* 134 Di-n-octylphthalate-d4	153		24.399	24.407	(1.000)	345810	4.00000	
73 Di-n-octylphthalate	149							
74 Benzo(b)fluoranthene	252		25.243	25.251	(0.969)	5129	0.09333	0.09333
75 Benzo(k)fluoranthene	252		25.274	25.297	(0.971)	4529	0.08570	0.08570 (M)
76 Benzo(a)pyrene	252		25.924	25.924	(0.996)	5126	0.11397	0.1140
* 77 Perylene-d12	264		26.041	26.041	(1.000)	121347	4.00000	
78 Indeno(1,2,3-cd)pyrene	276							
79 Dibenzo(a,h)anthracene	278							
80 Benzo(g,h,i)perylene	276							
90 N-Nitrosodimethylamine	74							
91 Aniline	93		8.506	8.575	(0.934)	314	0.00236	0.002365
93 Benzidine	184							
103 Pyridine	79							
105 1-methylnaphthalene	142		13.260	13.267	(1.143)	18796	0.07748	0.07748
111 Azobenzene (1,2-DP-Hydrazine)	77							

Compounds	QUANT SIG	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS	
						ON-COLUMN (ug/mL)	FINAL (ug/mL)
187 Total Benzofluoranthenes	252	25.243	25.251	(0.969)	10072	0.19656	0.1966
120 2,3,4,6-Tetrachlorophenol	232	Compound Not Detected.					

QC Flag Legend

M - Compound response manually integrated.

ARI Labs, Inc.

INTERNAL STANDARD COMPOUNDS
 AREA AND RT SUMMARY

Instrument ID: nt10.i Calibration Date: 30-JUN-2022
 Lab File ID: NT1022063017.D Calibration Time: 14:09
 Lab Smp Id: 22F0267-20
 Analysis Type: SV Level:
 Quant Type: ISTD Sample Type:
 Operator: VTS
 Method File: \\target\share\chem3\nt10.i\20220630.b\ABN.m
 Misc Info:

Test Mode:
 Use Last Continuing Calibrator.

COMPOUND	STANDARD	AREA LIMIT		SAMPLE	%DIFF
		LOWER	UPPER		
8 1,4-Dichlorobenze	207392	103696	414784	281189	35.58
27 Naphthalene-d8	696938	348469	1393876	970710	39.28
42 Acenaphthene-d10	395441	197721	790882	495459	25.29
59 Phenanthrene-d10	603067	301534	1206134	761824	26.32
69 Chrysene-d12	148146	74073	296292	176367	19.05
134 Di-n-octylphthala	308009	154005	616018	345810	12.27
77 Perylene-d12	115550	57775	231100	121347	5.02

COMPOUND	STANDARD	RT LIMIT		SAMPLE	%DIFF
		LOWER	UPPER		
8 1,4-Dichlorobenze	9.12	8.62	9.62	9.11	-0.08
27 Naphthalene-d8	11.60	11.10	12.10	11.60	-0.07
42 Acenaphthene-d10	15.23	14.73	15.73	15.22	-0.05
59 Phenanthrene-d10	18.28	17.78	18.78	18.27	-0.04
69 Chrysene-d12	23.35	22.85	23.85	23.35	-0.03
134 Di-n-octylphthala	24.41	23.91	24.91	24.40	-0.03
77 Perylene-d12	26.04	25.54	26.54	26.04	0.00

AREA UPPER LIMIT = +100% of internal standard area.
 AREA LOWER LIMIT = - 50% of internal standard area.
 RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
 RT LOWER LIMIT = - 0.50 minutes of internal standard RT.

REVIEW SUMMARY FOR FILE - NT1022063017.D

Lab ID: 22F0267-20
nt10.i, ABN.m, 30-JUN-2022 23:56

RT CO-ELUTION COMPOUNDS

NO CO-ELUTIONS

Quant Method: ICAL

RRT CHECK

RRT	CCV RRT	DELTA	COMPOUND
0.934	0.941	-0.0068	Aniline

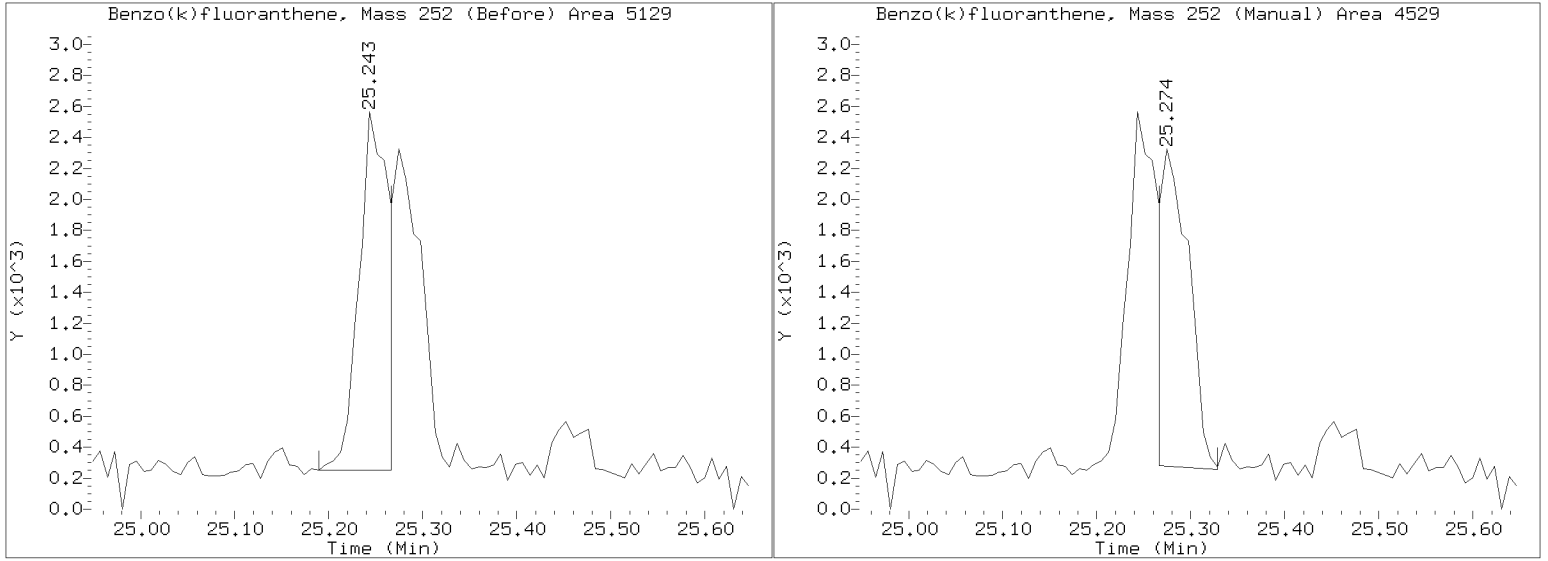
RRT check based on Ccal File: NT1022063002.D

On Column LOD for nt10.i, ABN.m, ICAL.sub = 0.0000

* Only compounds listed in the work order have been verified by the analyst *

Quant Ion Manual Peak Adjustment Report

Datafile: //target/share/chem3/nt10.i/20220630.b/NT1022063017.D
Injection Date: 30-JUN-2022 23:56
Lab ID:22F0267-20 Client ID:
Report Date: 07/01/2022 17:15





Form I
ORGANIC ANALYSIS DATA SHEET
EPA 8270E
Semivolatiles (20ug/kg - 0.2ug/L SepF)

Laboratory: Analytical Resources, LLC

Client: GeoEngineers

Project: RG Haley Site-Bellingham

Matrix: Sediment

Laboratory ID: 22F0267-22 A

SDG: 22F0267

Sampled: 06/15/22 09:45

Prepared: 06/21/22 13:45

File ID: NT1022063018.D

% Solids: 80.66

Preparation: EPA 3546 (Microwave)

Analyzed: 07/01/22 00:35

Batch: BKF0469

Sequence: SKG0010

Initial/Final: 12.46 g Wet / 1 mL

Instrument: NT10

Column: ZB-5MSi

Calibration: FF00062

Cleanups: GPC

CAS NO.	COMPOUND	DILUTION	CONC: (ug/kg dry)	Q	DL	RL
91-20-3	Naphthalene	1	16.2	J	4.2	19.9
91-57-6	2-Methylnaphthalene	1	21.4		4.5	19.9
83-32-9	Acenaphthene	1	5.2	U	5.2	19.9
87-86-5	Pentachlorophenol	1	31.1	U	31.1	99.5
85-01-8	Phenanthrene	1	12.5	J	8.7	19.9
206-44-0	Fluoranthene	1	27.3		6.1	19.9
56-55-3	Benzo(a)anthracene	1	8.0	J	5.9	19.9
218-01-9	Chrysene	1	11.3	J	6.0	19.9
205-99-2	Benzo(b)fluoranthene	1	7.0	U	7.0	19.9
207-08-9	Benzo(k)fluoranthene	1	9.8	J	5.0	19.9
50-32-8	Benzo(a)pyrene	1	6.3	J	4.2	19.9
193-39-5	Indeno(1,2,3-cd)pyrene	1	14.6	U	14.6	19.9
53-70-3	Dibenzo(a,h)anthracene	1	17.1	U	17.1	19.9
90-12-0	1-Methylnaphthalene	1	20.3		5.2	19.9

SURROGATES	ADDED: (ug/kg dry)	FOUND: (ug/kg dry)	% REC	QC LIMITS	Q
2-Fluorophenol	746.25	452	60.6	27 - 120	
Phenol-d5	746.25	445	59.6	29 - 120	
2-Chlorophenol-d4	746.25	598	80.2	31 - 120	
1,2-Dichlorobenzene-d4	497.50	393	79.1	32 - 120	
Nitrobenzene-d5	497.50	394	79.1	30 - 120	
2-Fluorobiphenyl	497.50	426	85.7	35 - 120	
2,4,6-Tribromophenol	746.25	631	84.5	24 - 134	
p-Terphenyl-d14	497.50	573	115	37 - 120	

Data File: \\target\share\chem3\nt10.1\20220630.1\NT1022063018.D

Date: 01-JUL-2022 00:35

Client ID:

Sample Info: 22F0267-22

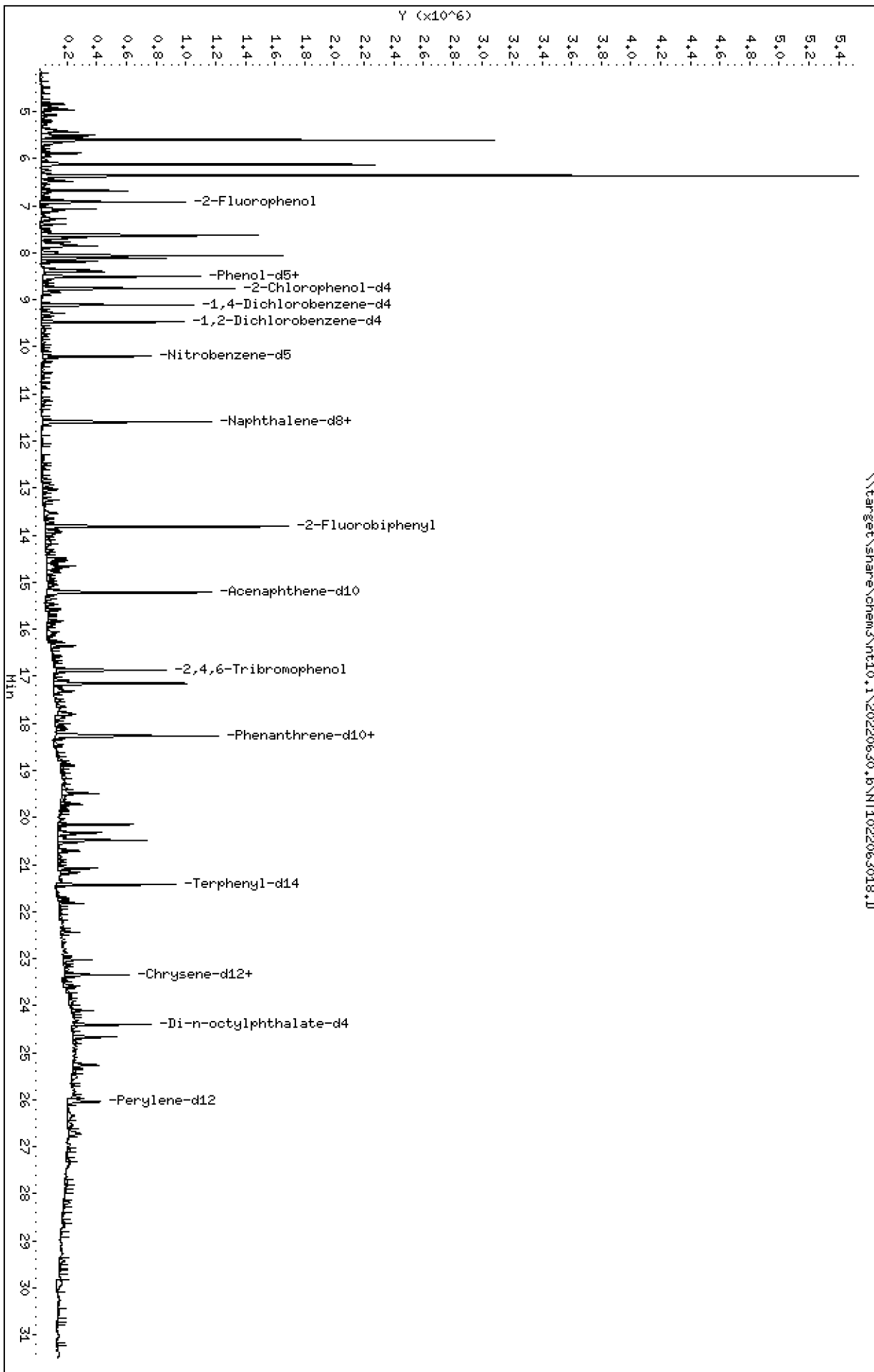
Column phase: ZB-5msi

Instrument: nt10.1

Operator: VTS

Column diameter: 0.25

\\target\share\chem3\nt10.1\20220630.1\NT1022063018.D



Date : 01-JUL-2022 00:35

Client ID:

Instrument: nt10.i

Sample Info: 22F0267-22

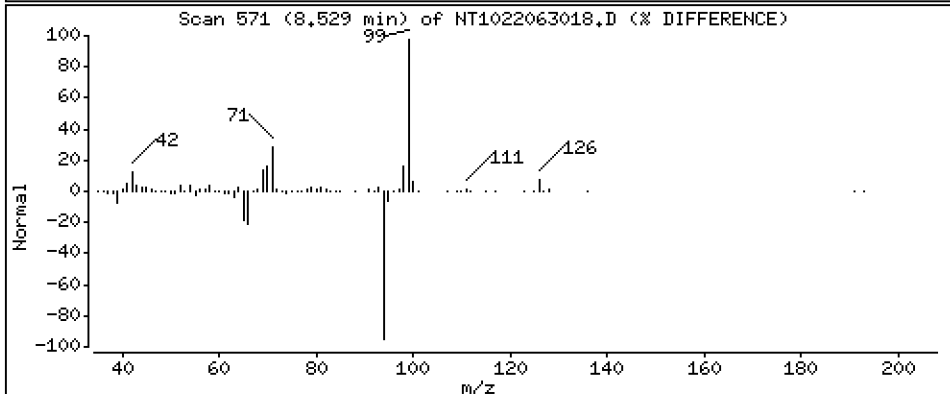
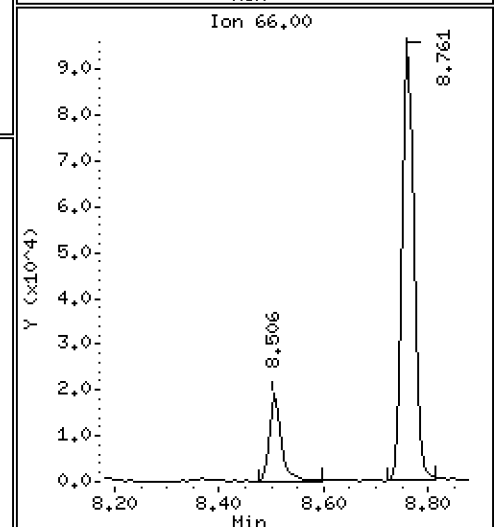
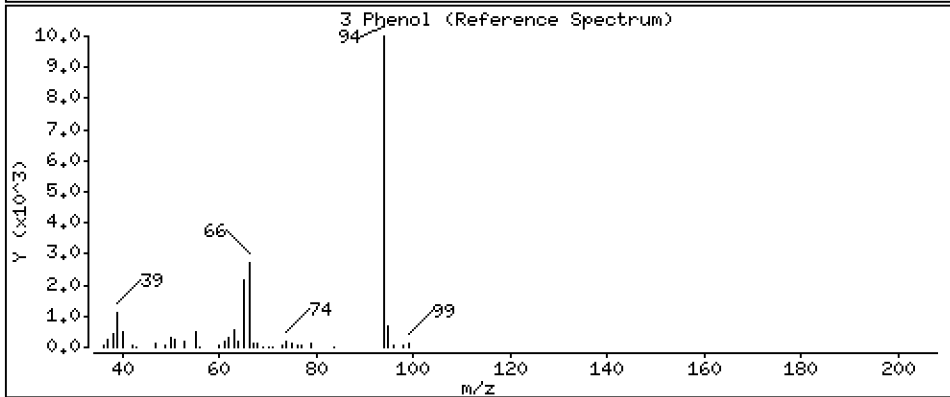
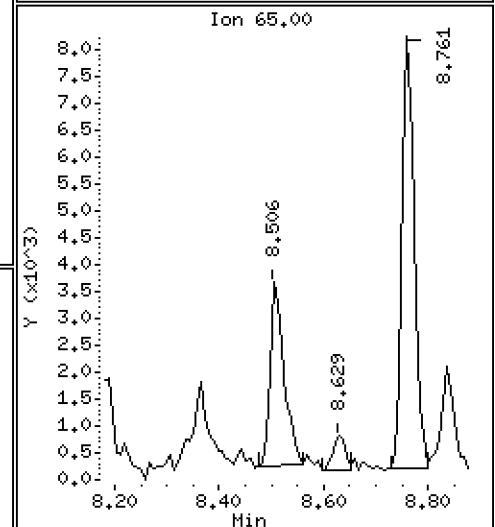
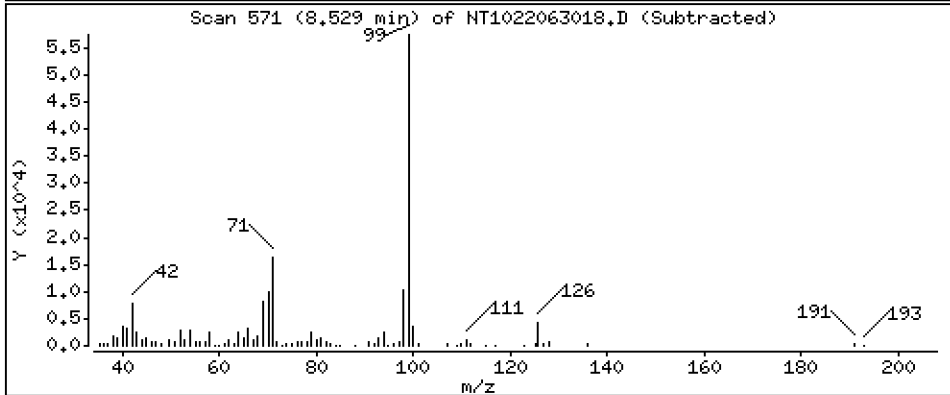
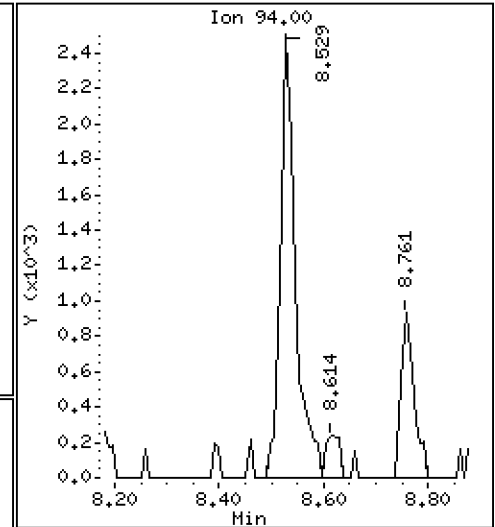
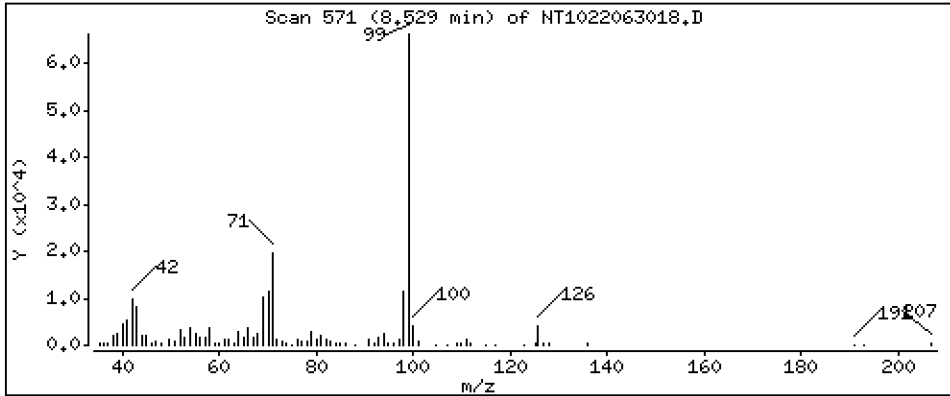
Operator: VTS

Column phase: ZB-5msi

Column diameter: 0,25

3 Phenol

Concentration: 0,03553 ug/mL



Date : 01-JUL-2022 00:35

Client ID:

Instrument: nt10.i

Sample Info: 22F0267-22

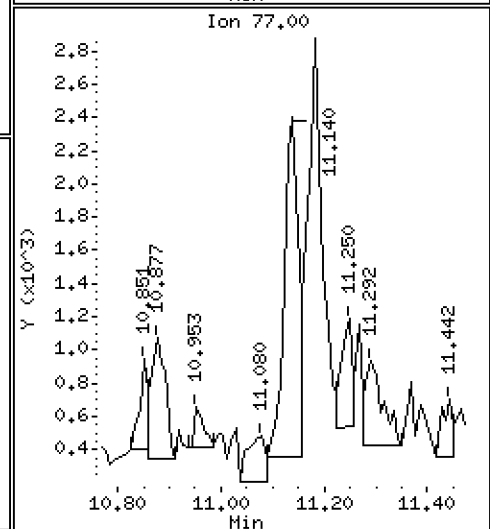
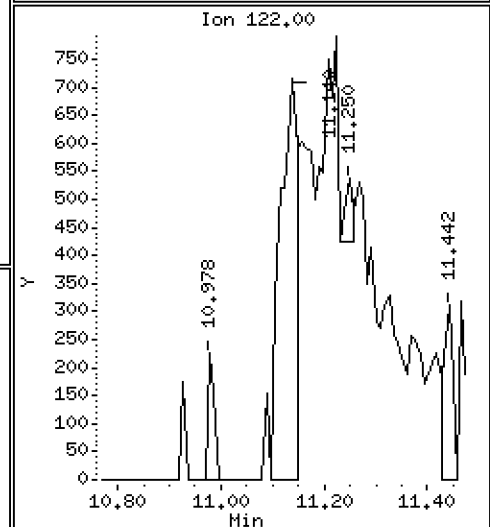
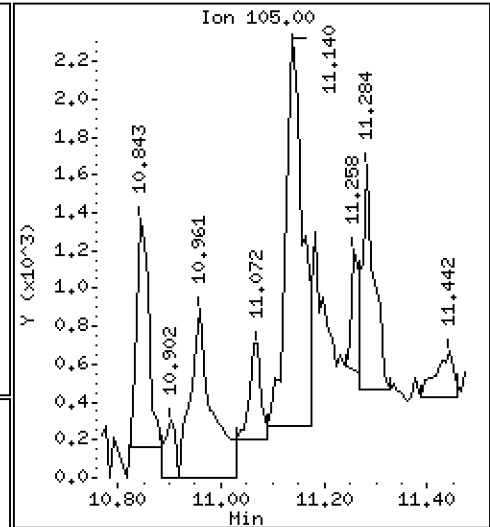
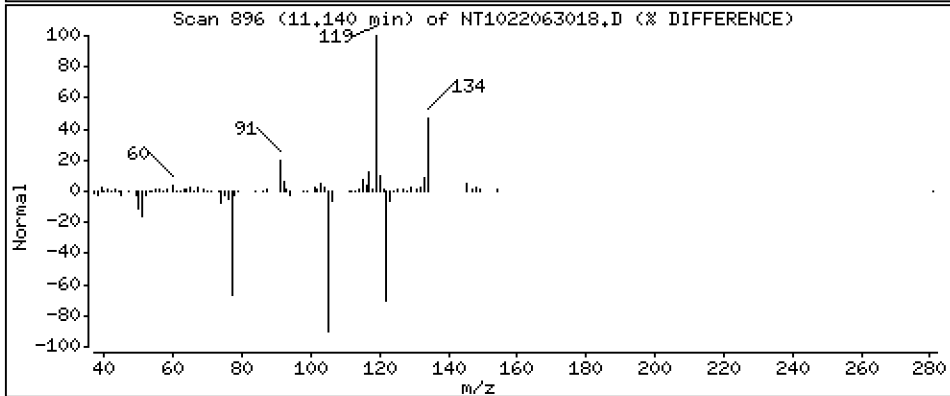
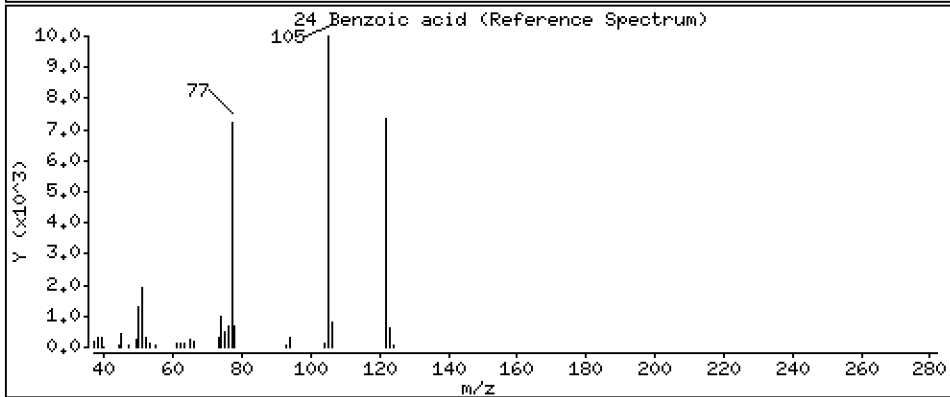
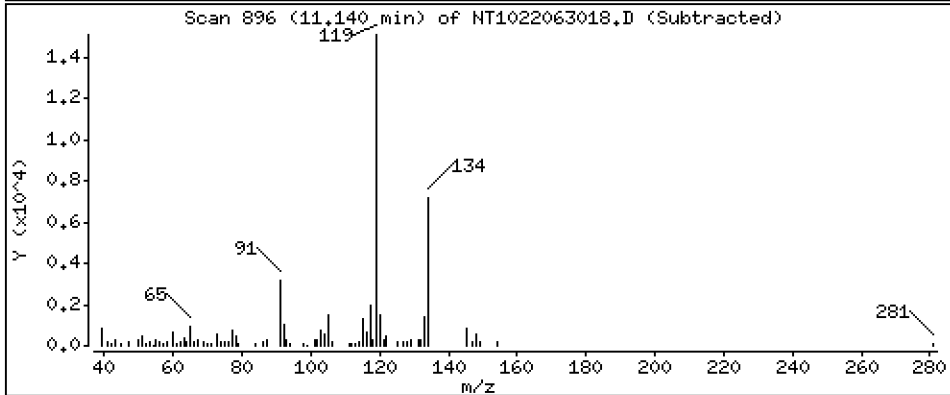
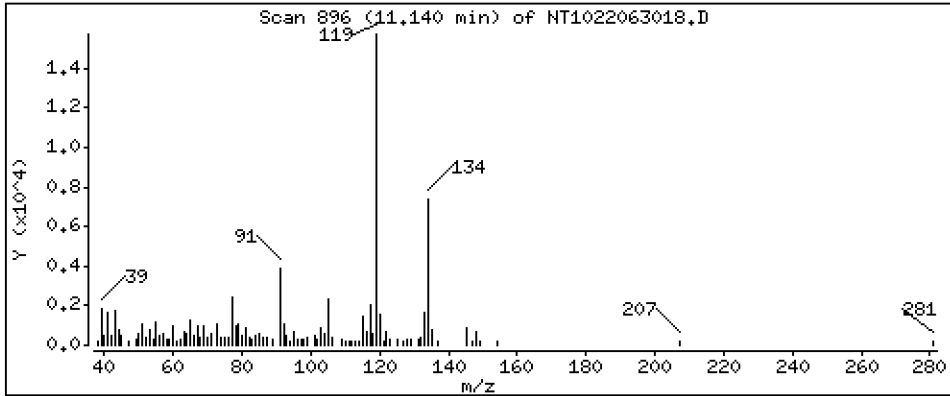
Operator: VTS

Column phase: ZB-5msi

Column diameter: 0.25

24 Benzoic acid

Concentration: 0.1150 ug/mL



Date : 01-JUL-2022 00:35

Client ID:

Instrument: nt10.i

Sample Info: 22F0267-22

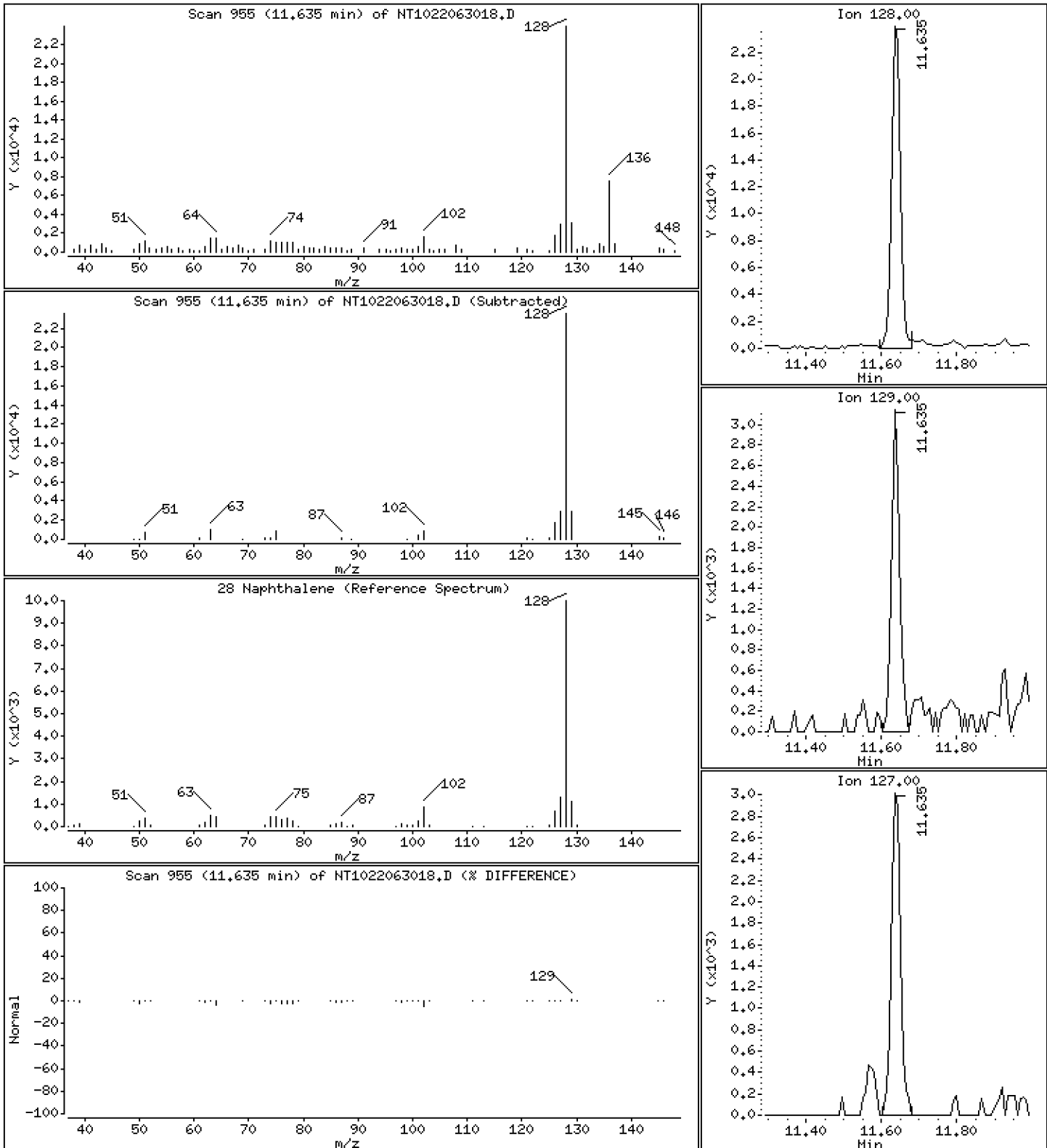
Operator: VTS

Column phase: ZB-5msi

Column diameter: 0.25

28 Naphthalene

Concentration: 0.1627 ug/mL



Date : 01-JUL-2022 00:35

Client ID:

Instrument: nt10.i

Sample Info: 22F0267-22

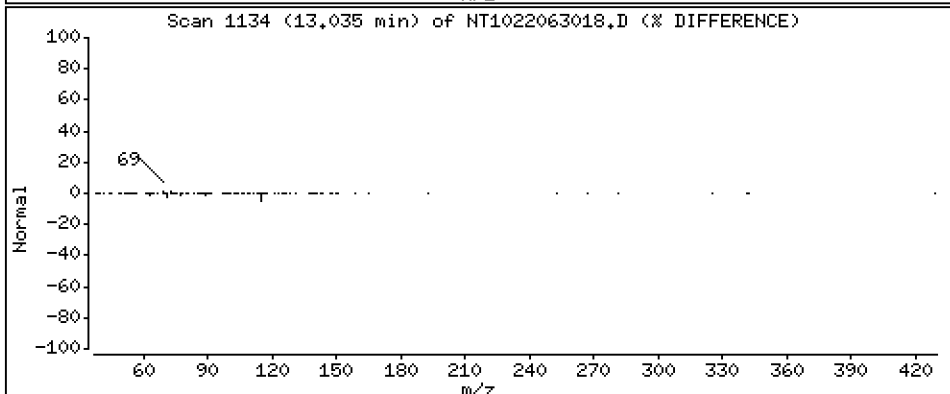
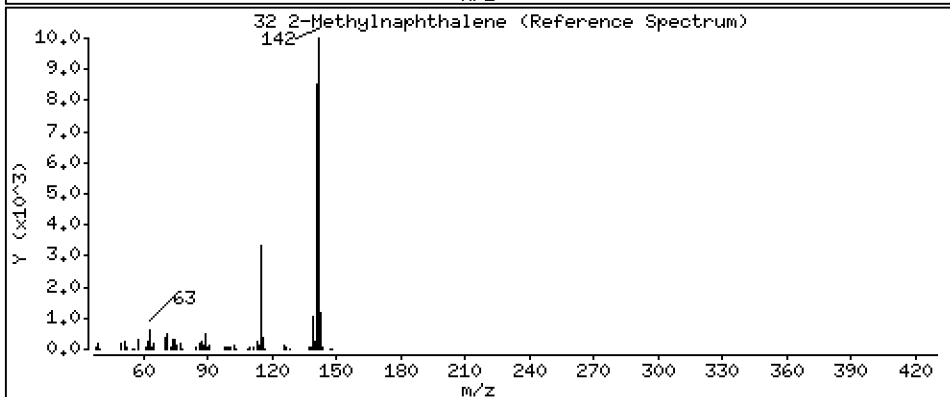
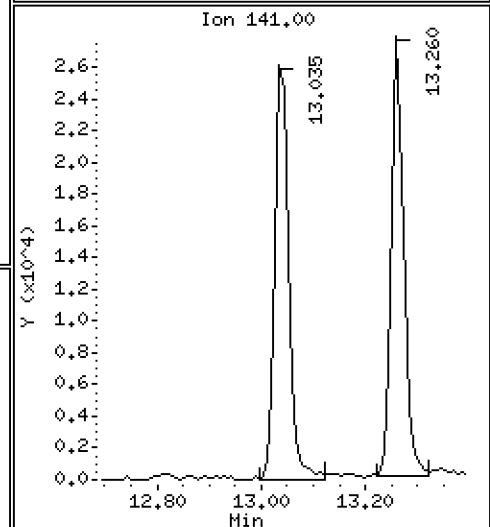
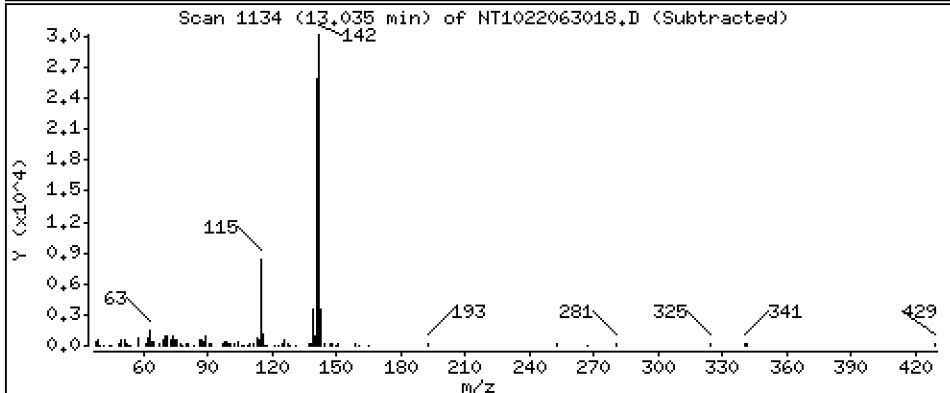
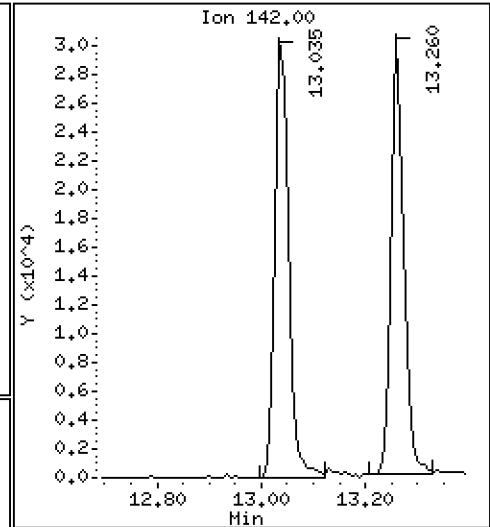
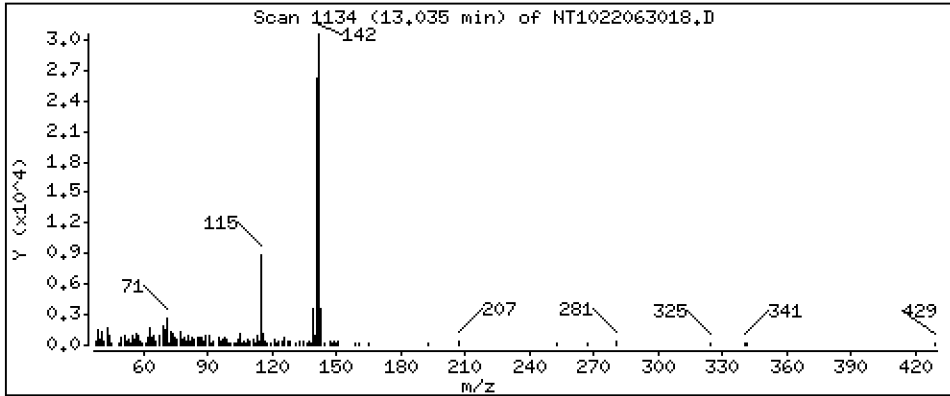
Operator: VTS

Column phase: ZB-5msi

Column diameter: 0.25

32 2-Methylnaphthalene

Concentration: 0.2149 ug/mL



Date : 01-JUL-2022 00:35

Client ID:

Instrument: nt10.i

Sample Info: 22F0267-22

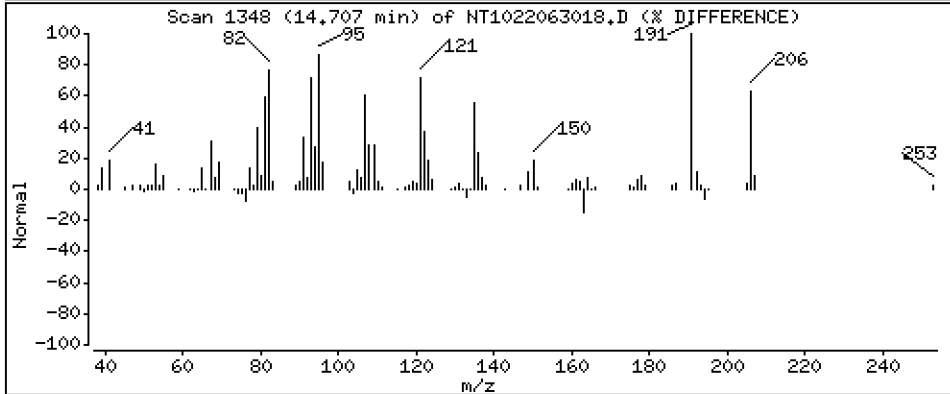
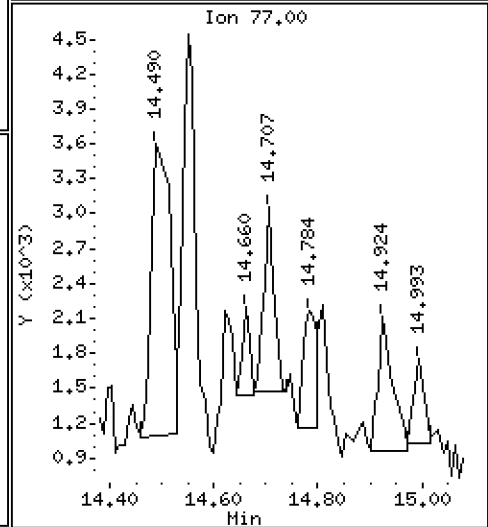
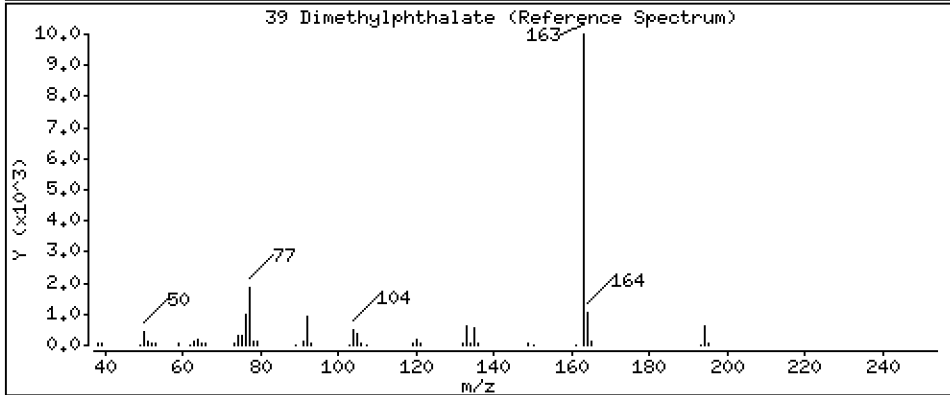
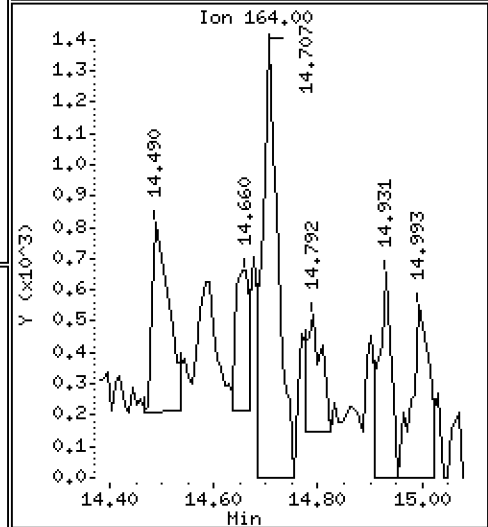
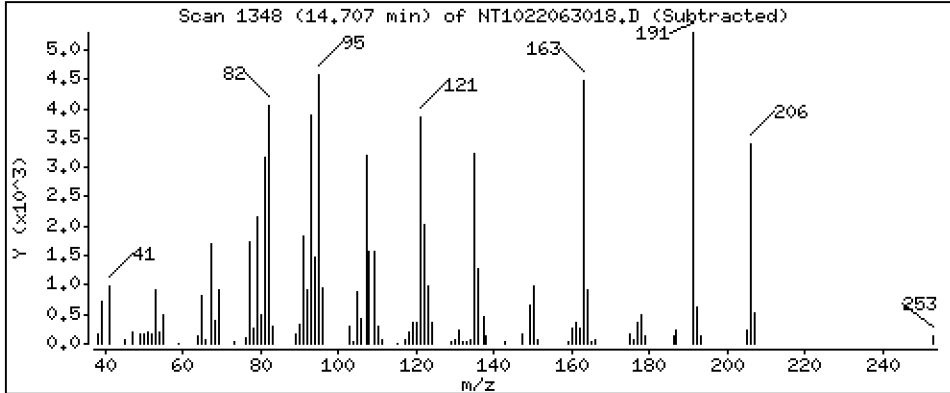
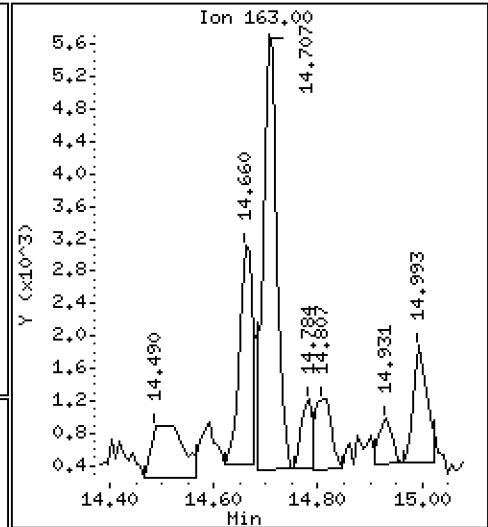
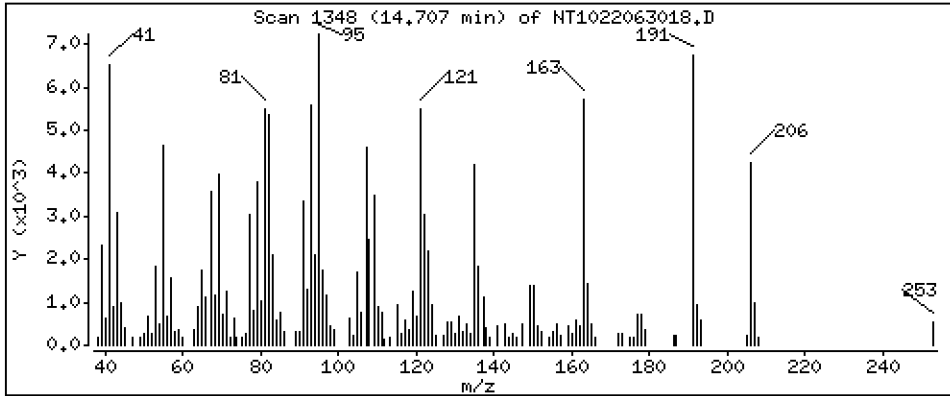
Operator: VTS

Column phase: ZB-5msi

Column diameter: 0.25

39 Dimethylphthalate

Concentration: 0.06020 ug/mL



Date : 01-JUL-2022 00:35

Client ID:

Instrument: nt10.i

Sample Info: 22F0267-22

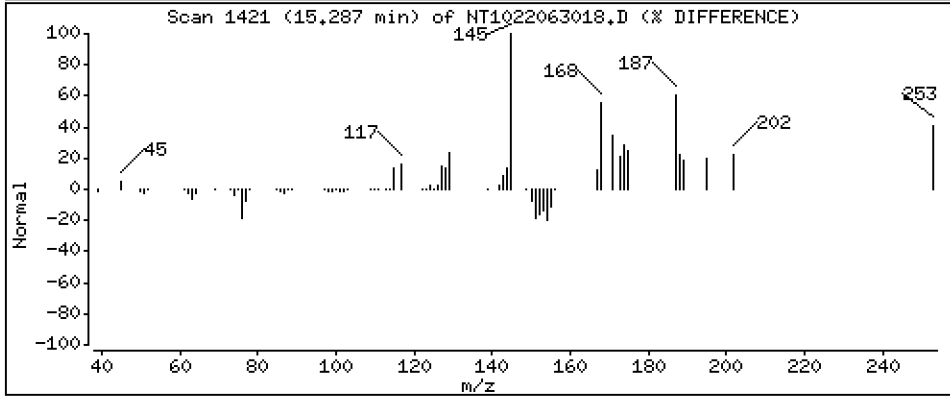
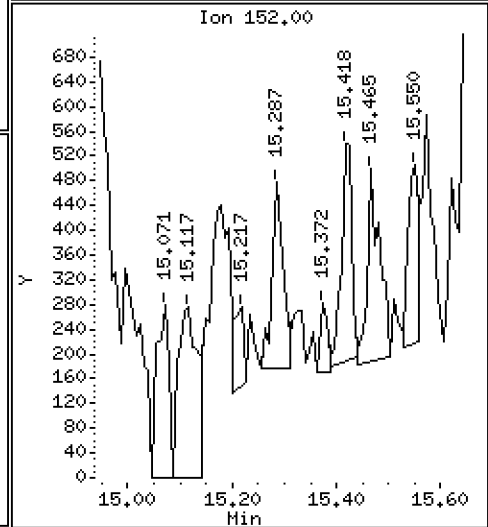
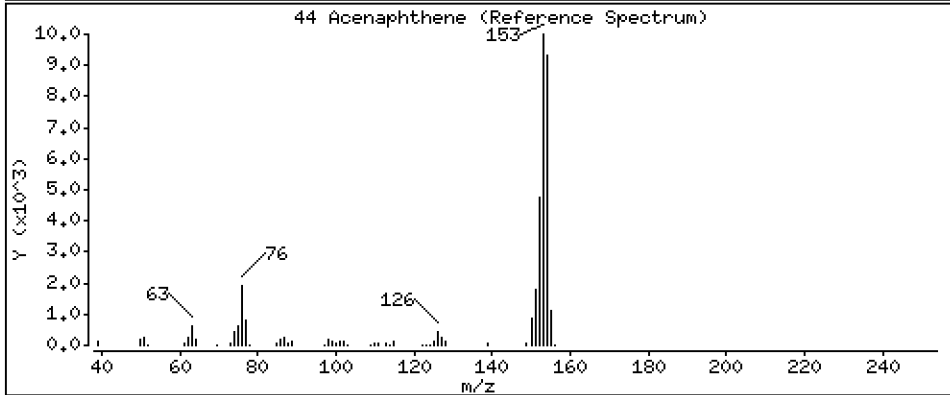
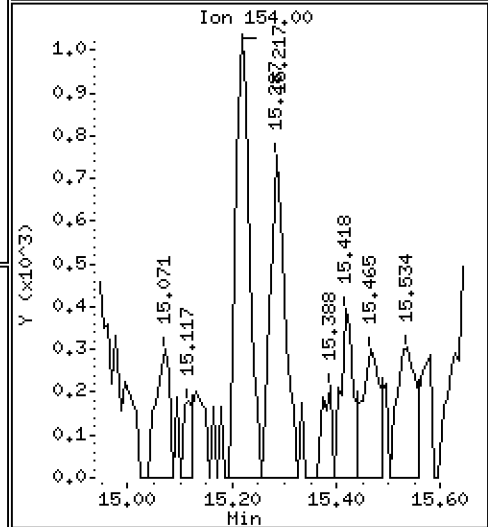
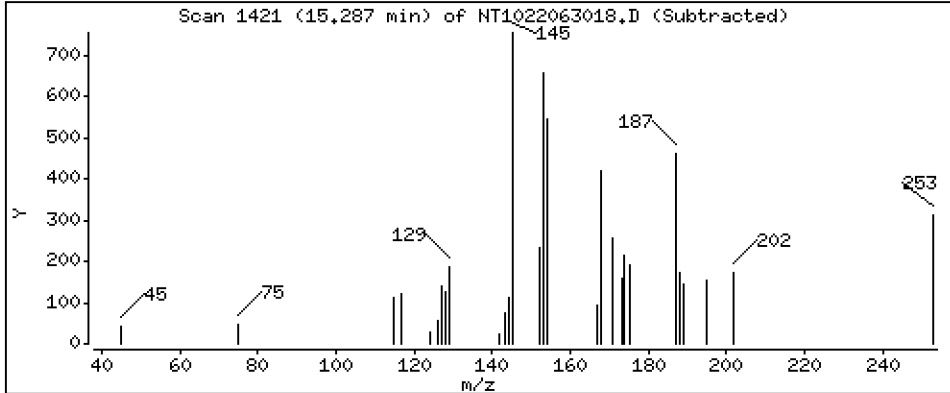
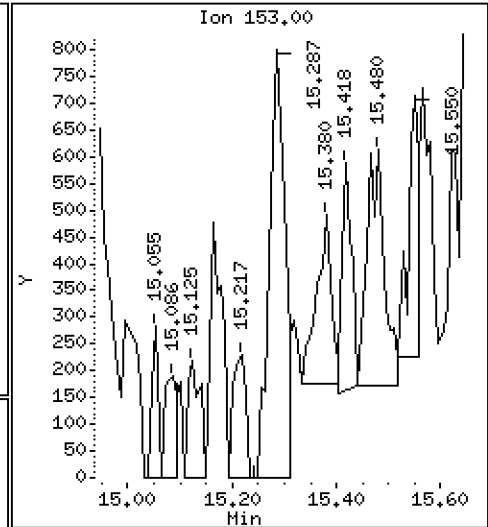
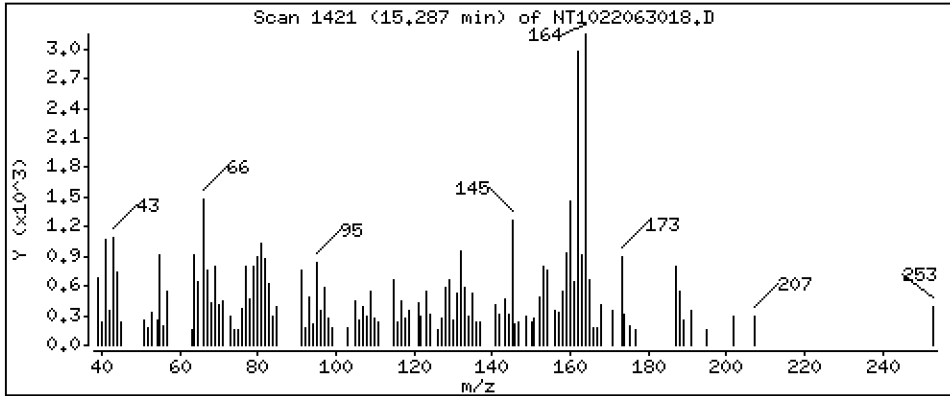
Operator: VTS

Column phase: ZB-5msi

Column diameter: 0.25

44 Acenaphthene

Concentration: 0.01149 ug/mL



Date : 01-JUL-2022 00:35

Client ID:

Instrument: nt10.i

Sample Info: 22F0267-22

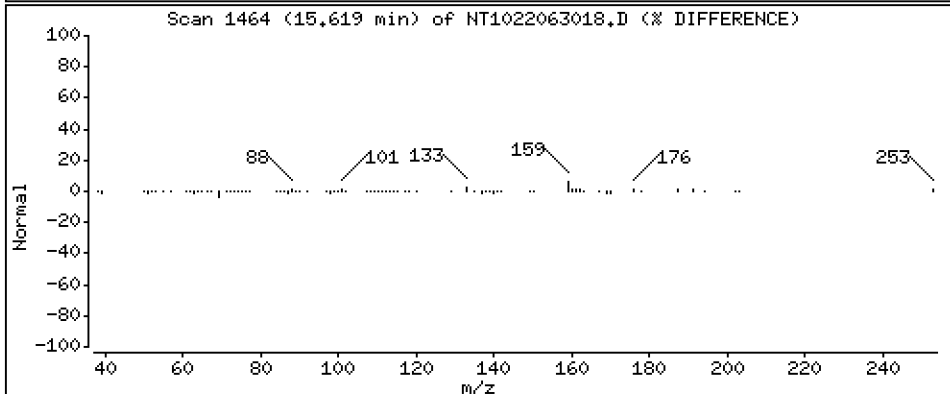
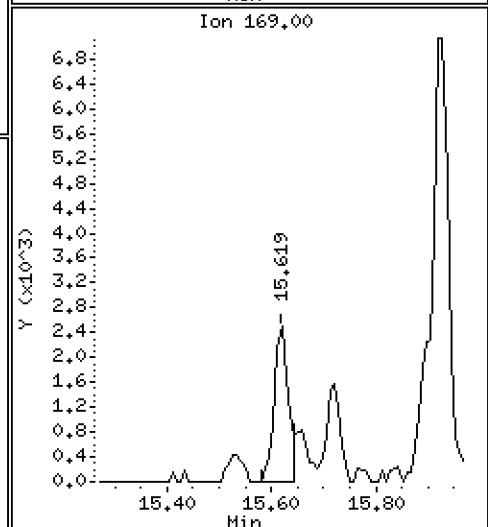
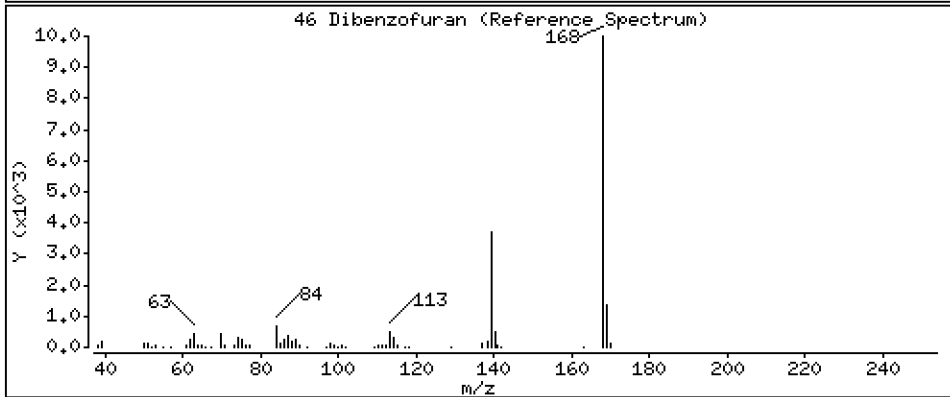
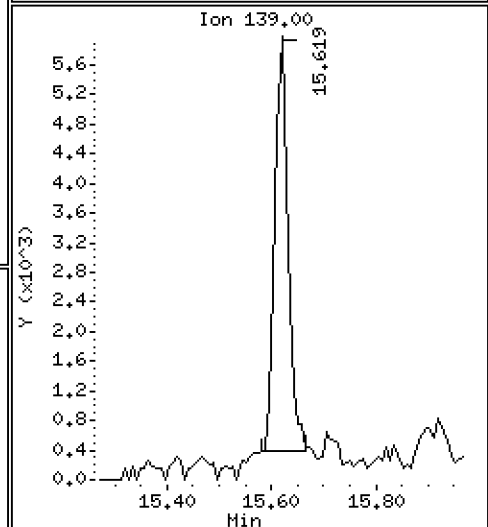
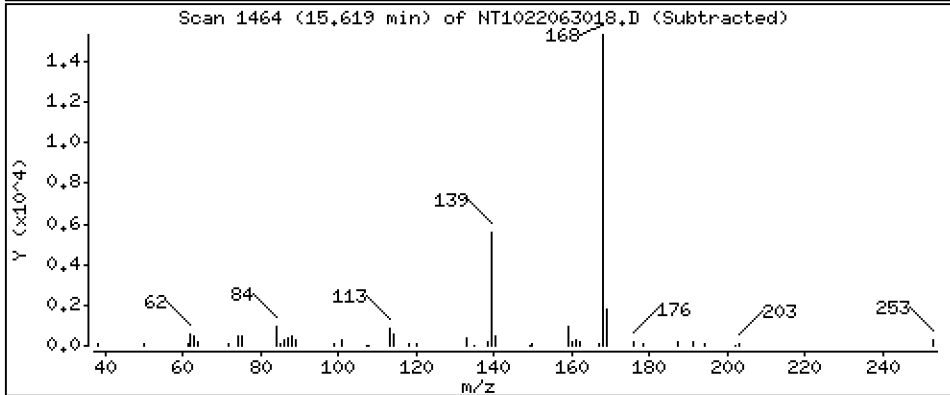
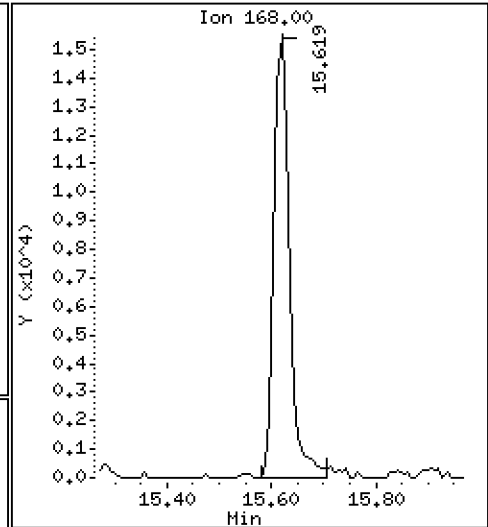
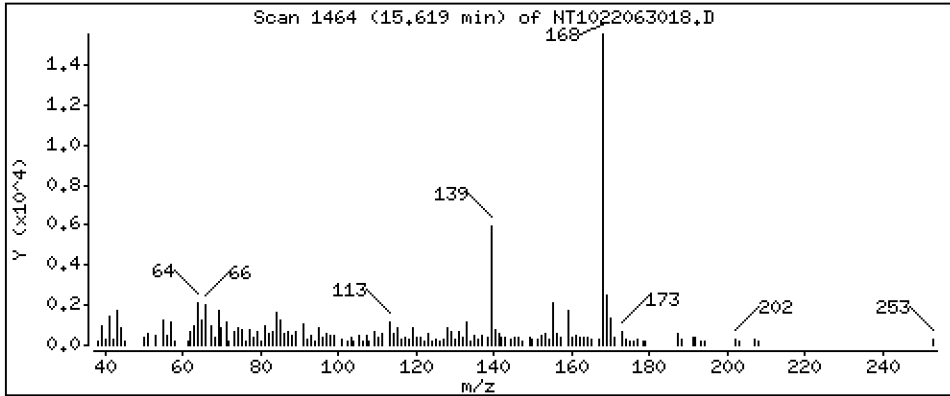
Operator: VTS

Column phase: ZB-5msi

Column diameter: 0,25

46 Dibenzofuran

Concentration: 0,1395 ug/mL



Date : 01-JUL-2022 00:35

Client ID:

Instrument: nt10.i

Sample Info: 22F0267-22

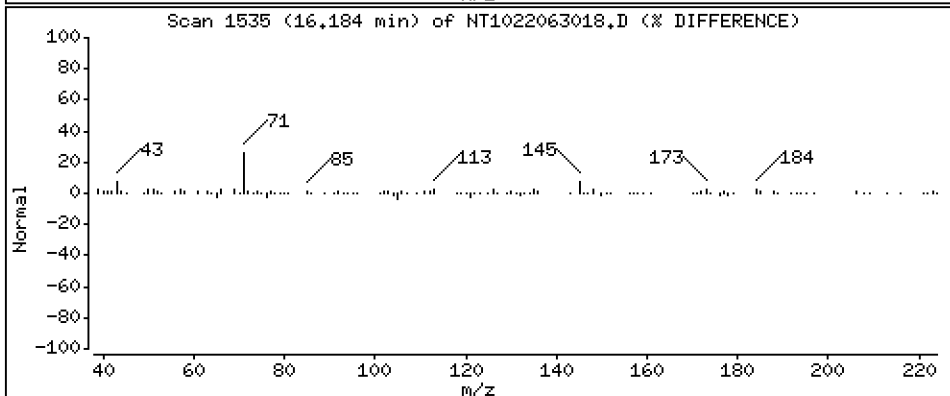
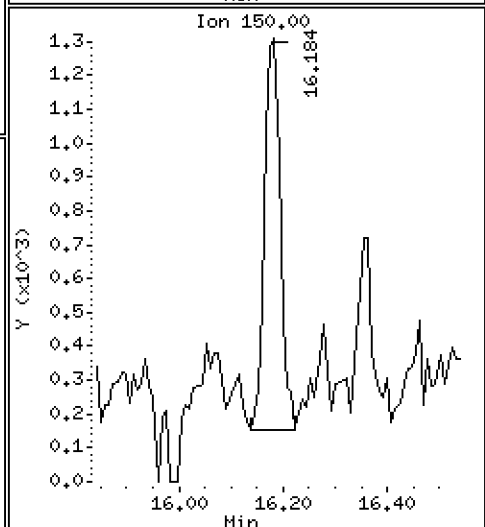
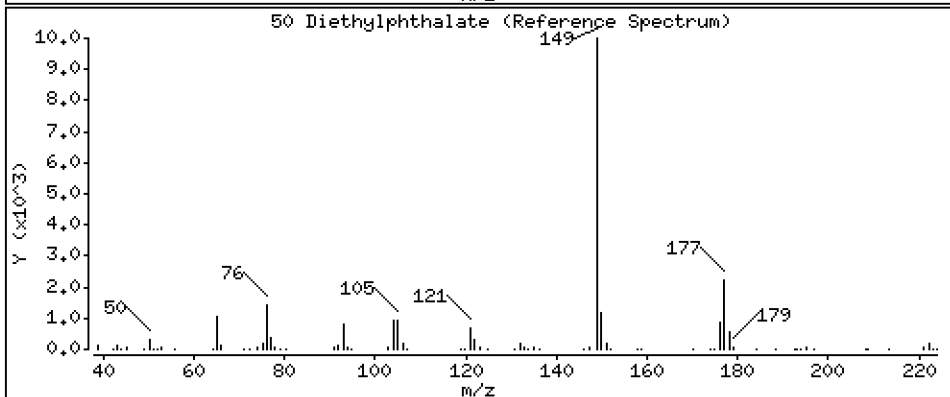
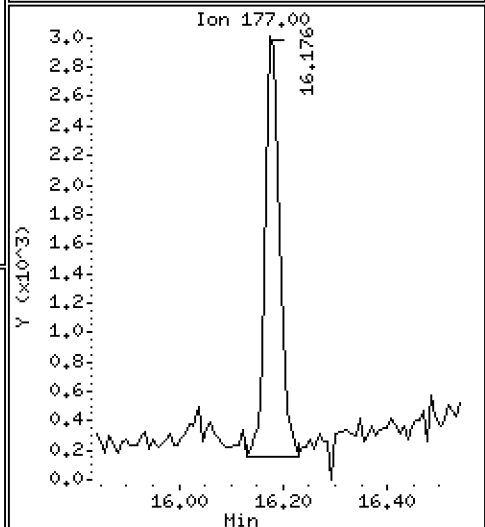
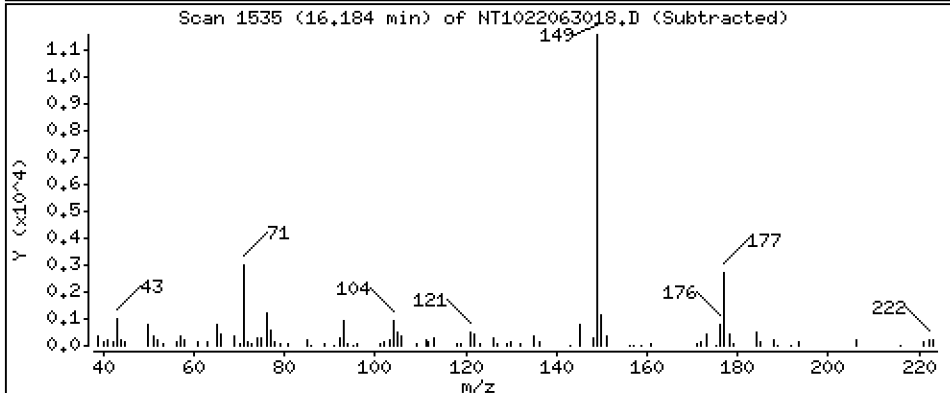
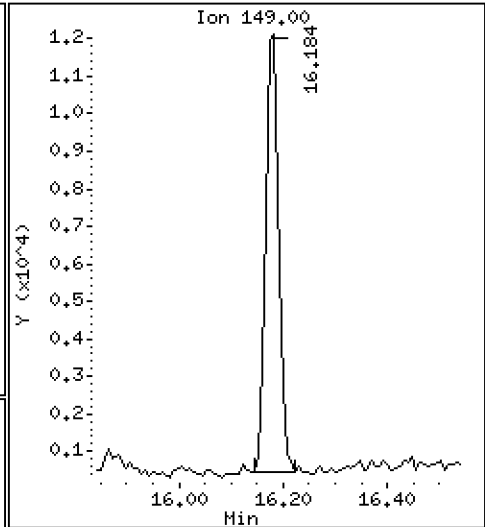
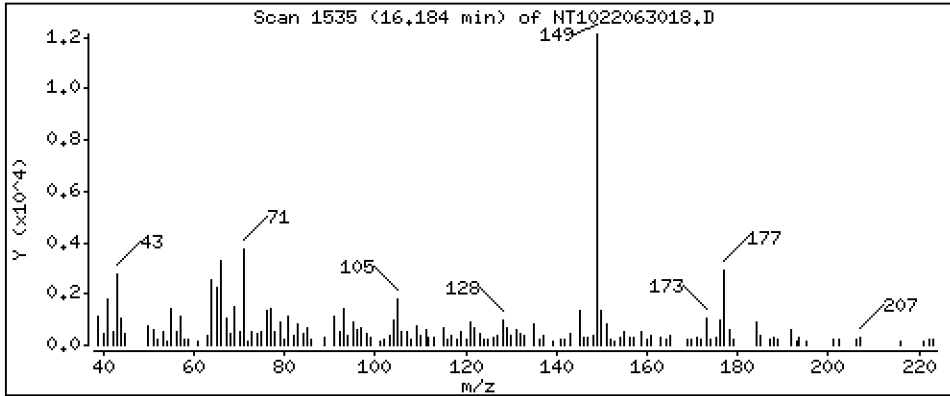
Operator: VTS

Column phase: ZB-5msi

Column diameter: 0.25

50 Diethylphthalate

Concentration: 0.1339 ug/mL



Date : 01-JUL-2022 00:35

Client ID:

Instrument: nt10.i

Sample Info: 22F0267-22

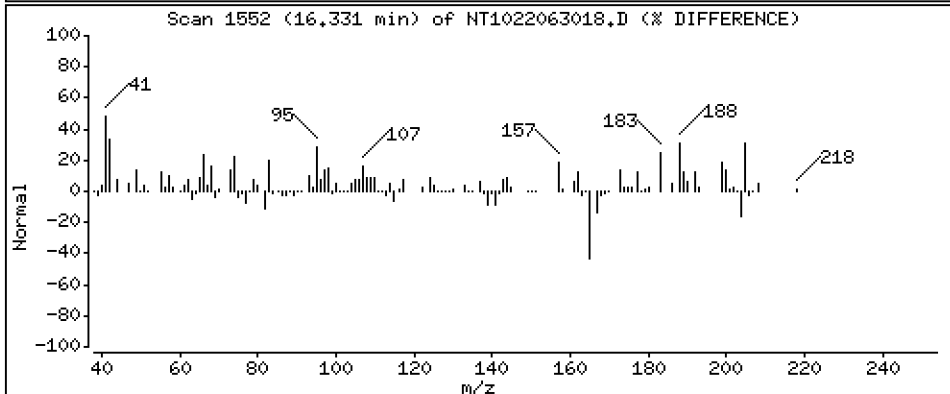
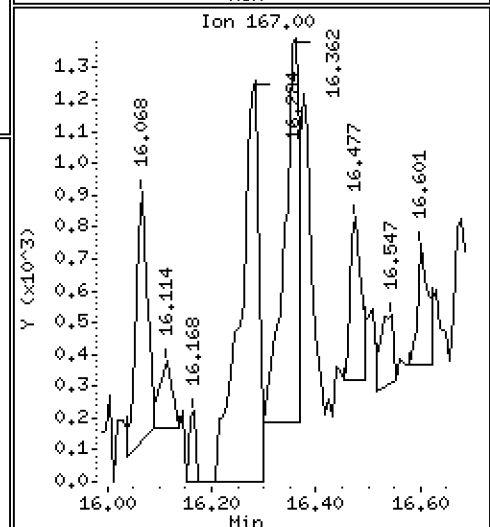
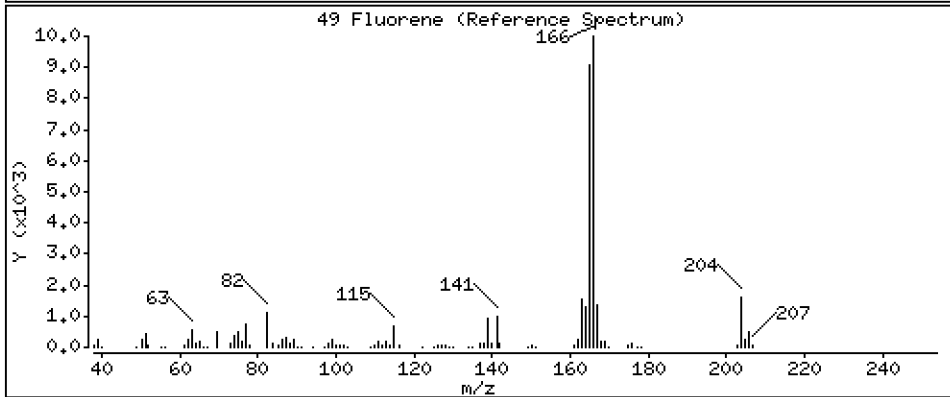
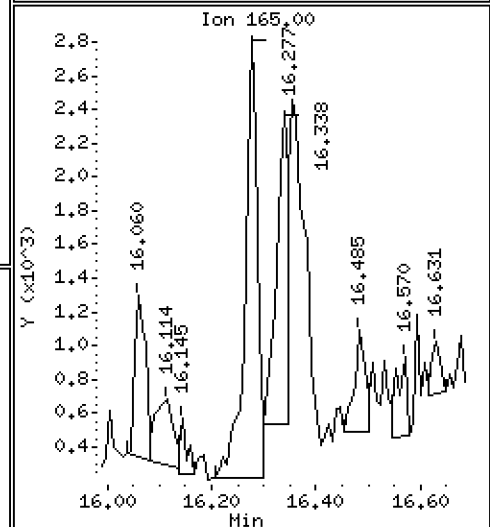
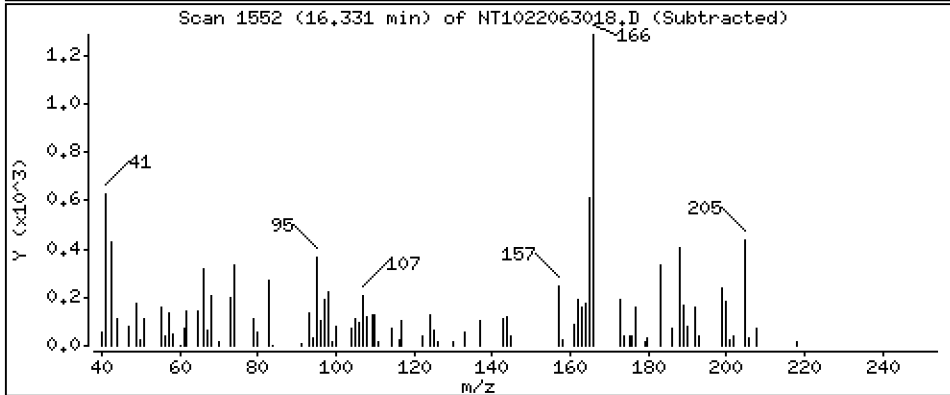
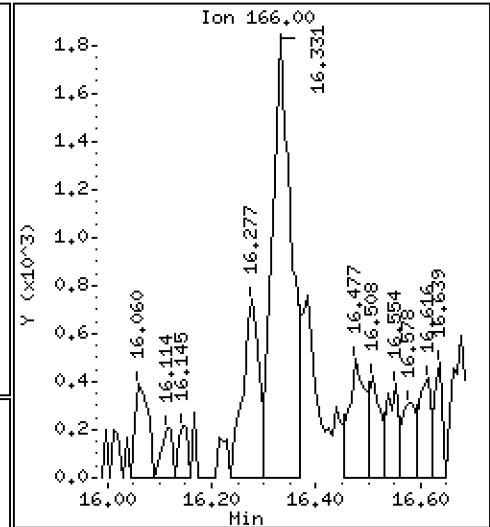
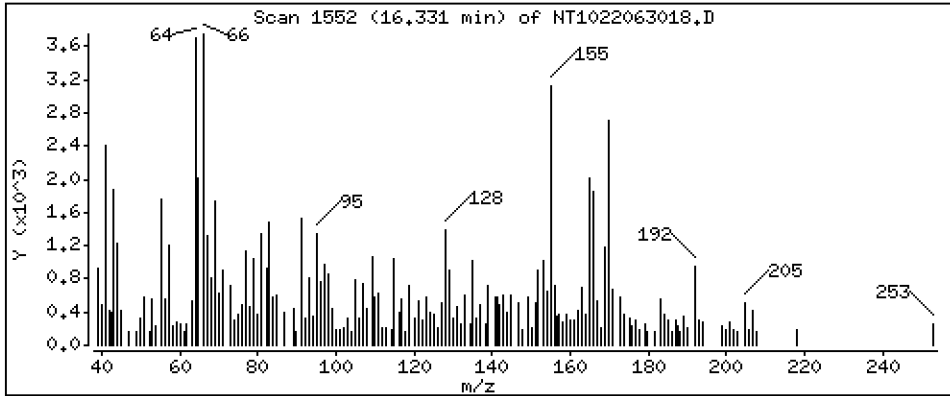
Operator: VTS

Column phase: ZB-5msi

Column diameter: 0.25

49 Fluorene

Concentration: 0.01905 ug/mL



Date : 01-JUL-2022 00:35

Client ID:

Instrument: nt10.i

Sample Info: 22F0267-22

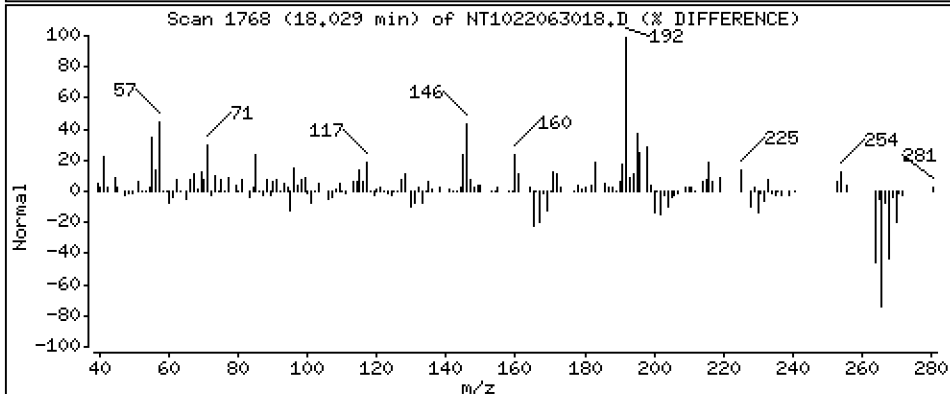
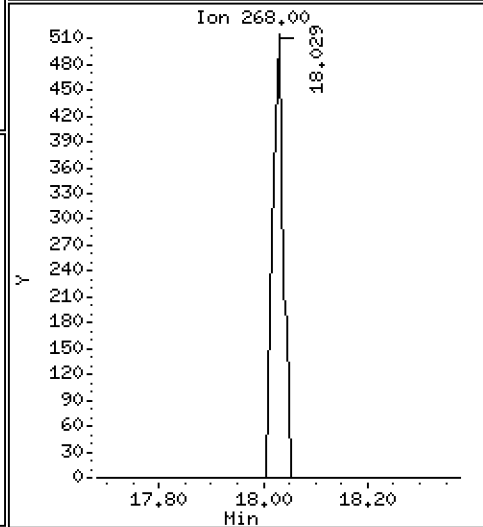
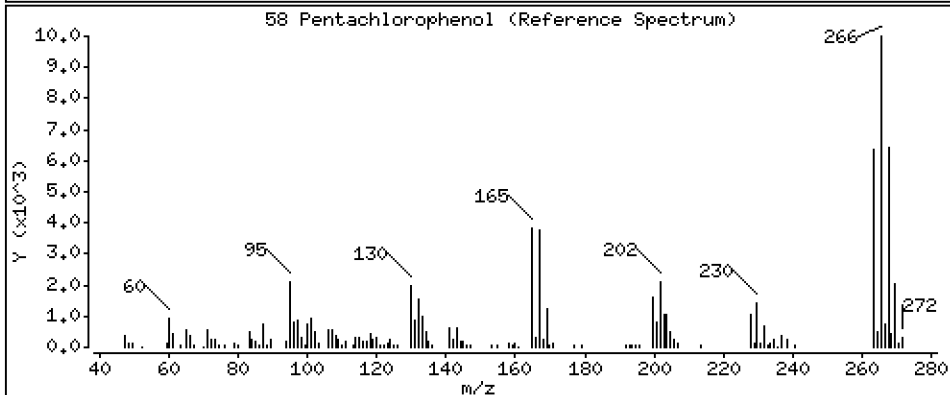
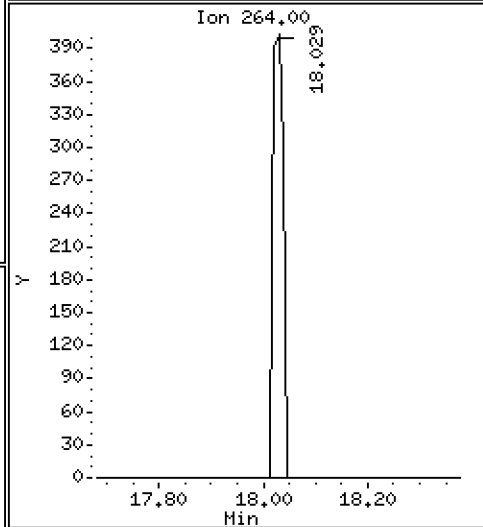
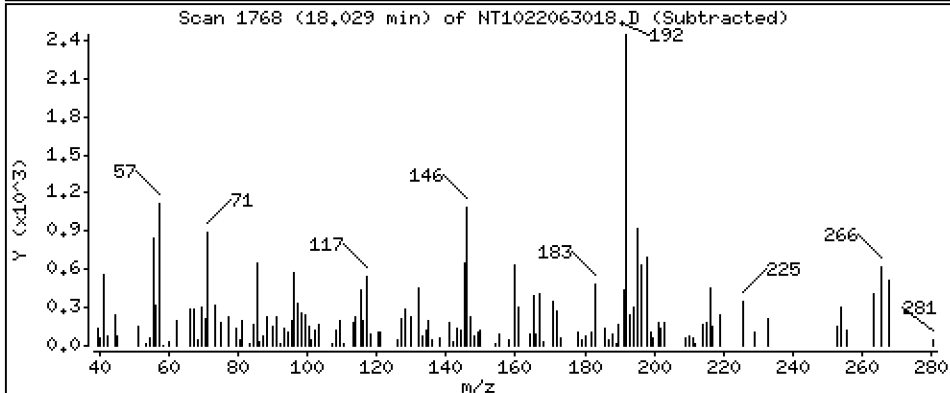
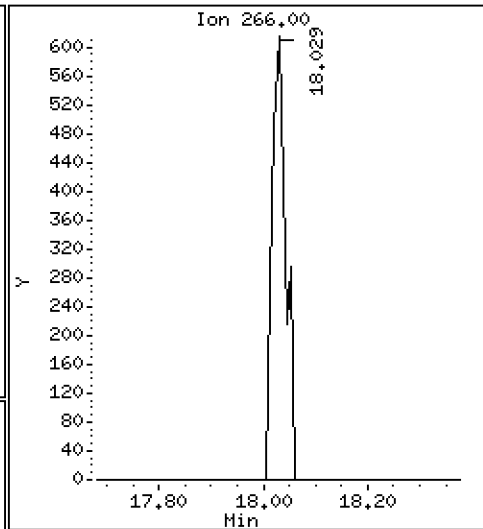
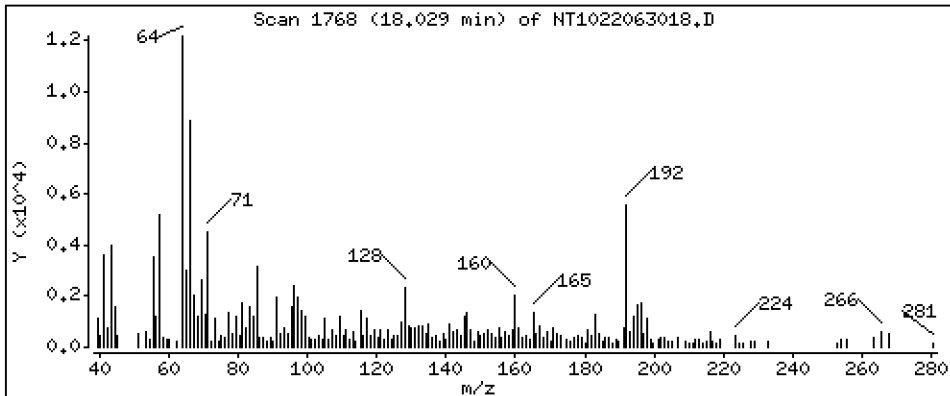
Operator: VTS

Column phase: ZB-5msi

Column diameter: 0,25

58 Pentachlorophenol

Concentration: 0,08946 ug/mL



Date : 01-JUL-2022 00:35

Client ID:

Instrument: nt10.i

Sample Info: 22F0267-22

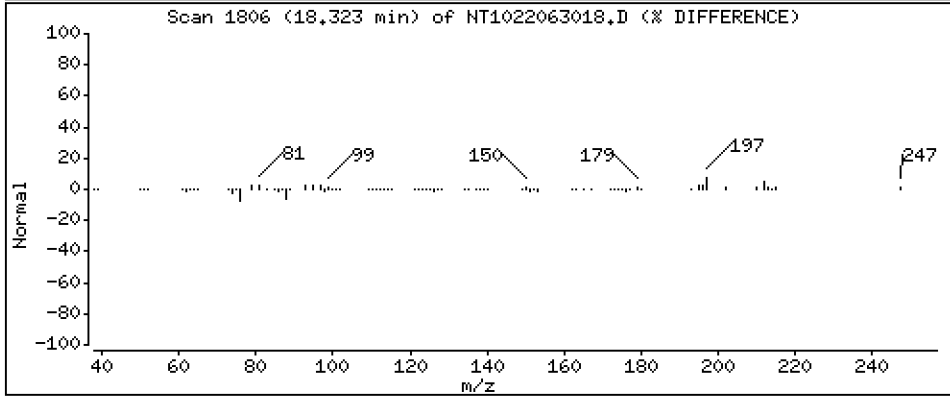
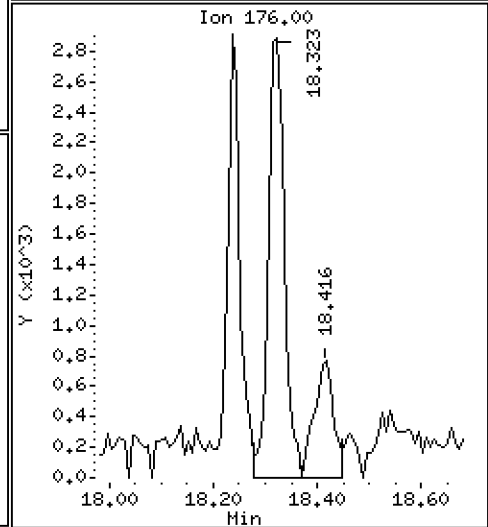
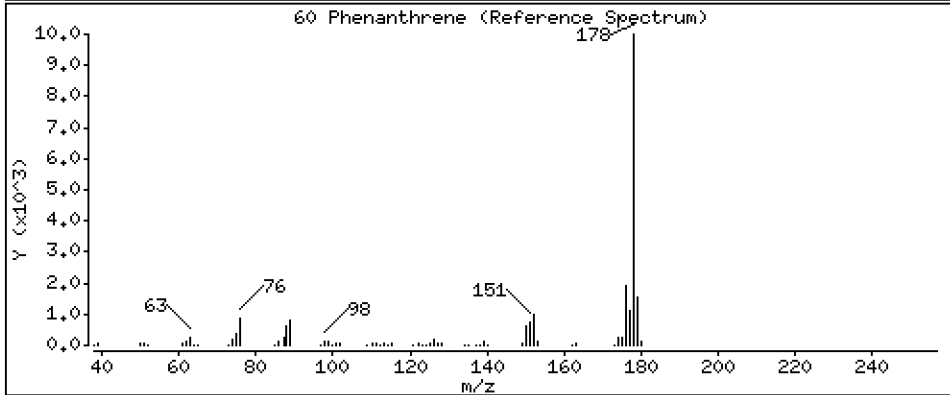
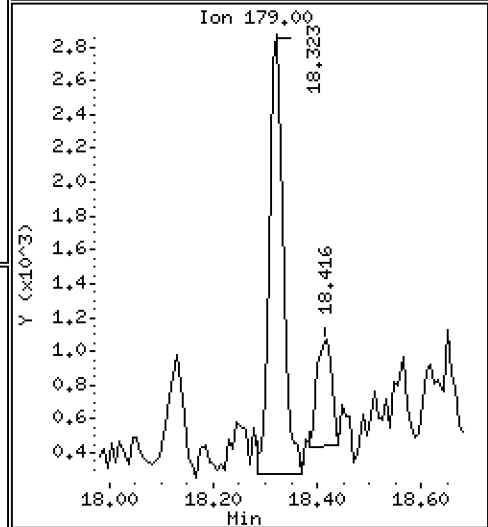
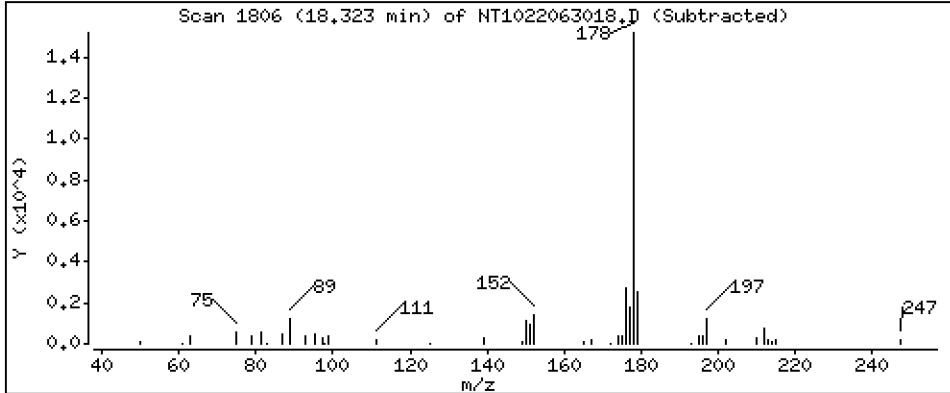
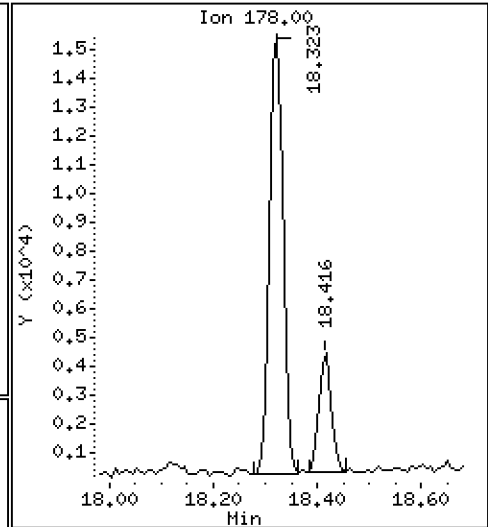
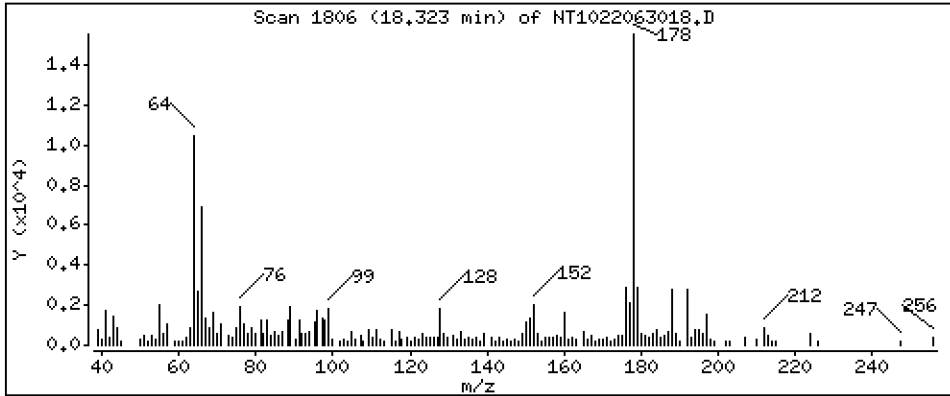
Operator: VTS

Column phase: ZB-5msi

Column diameter: 0.25

60 Phenanthrene

Concentration: 0.1252 ug/mL



Date : 01-JUL-2022 00:35

Client ID:

Instrument: nt10.i

Sample Info: 22F0267-22

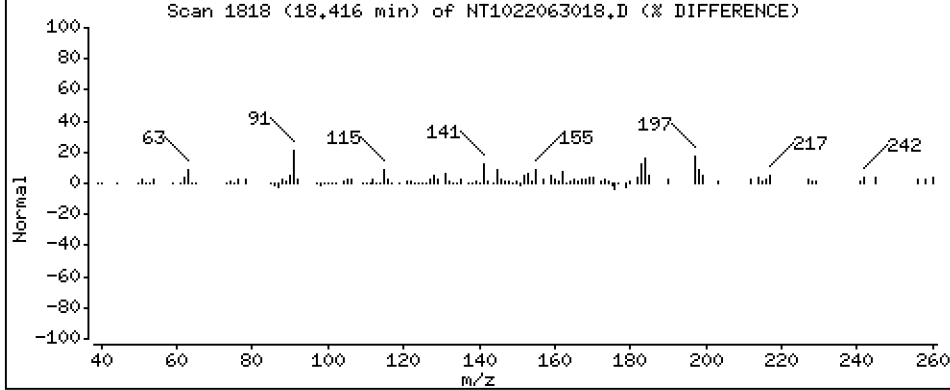
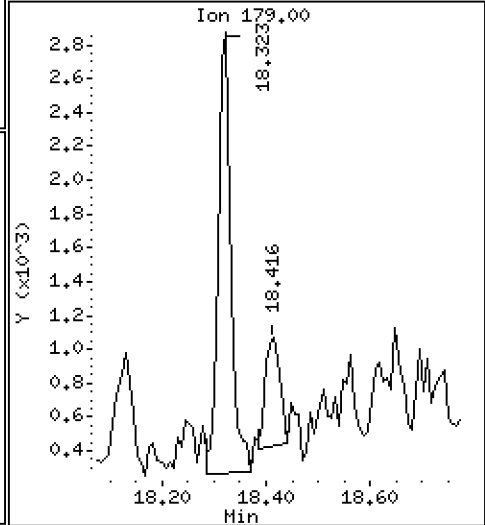
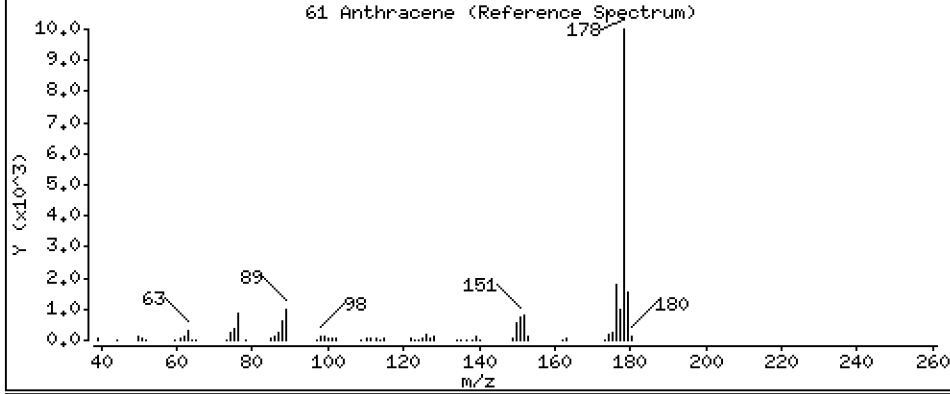
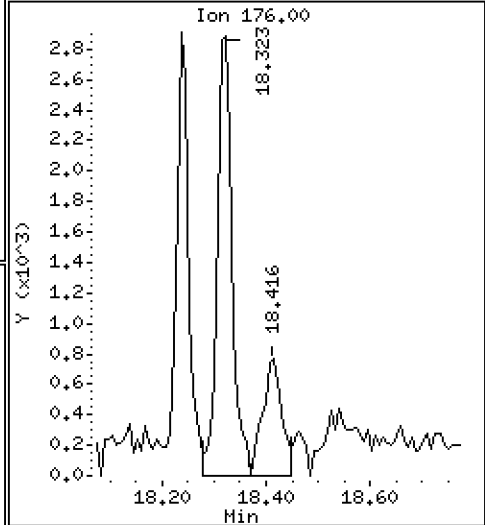
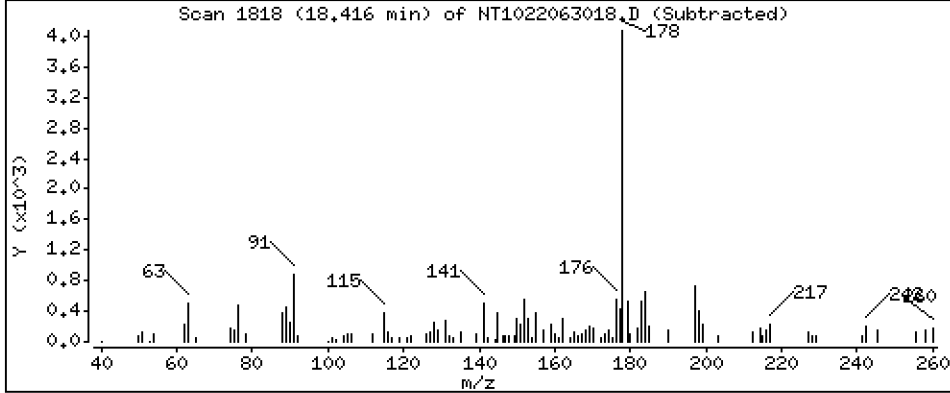
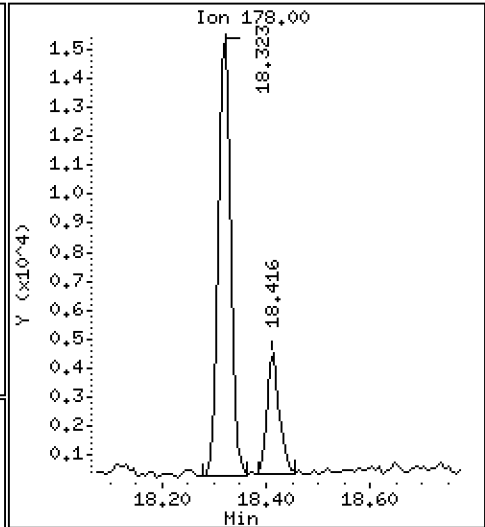
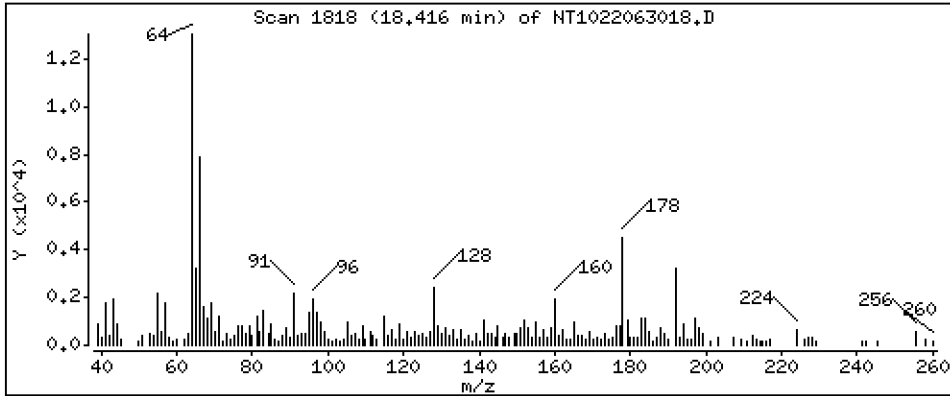
Operator: VTS

Column phase: ZB-5msi

Column diameter: 0.25

61 Anthracene

Concentration: 0.03013 ug/mL



Date : 01-JUL-2022 00:35

Client ID:

Instrument: nt10.i

Sample Info: 22F0267-22

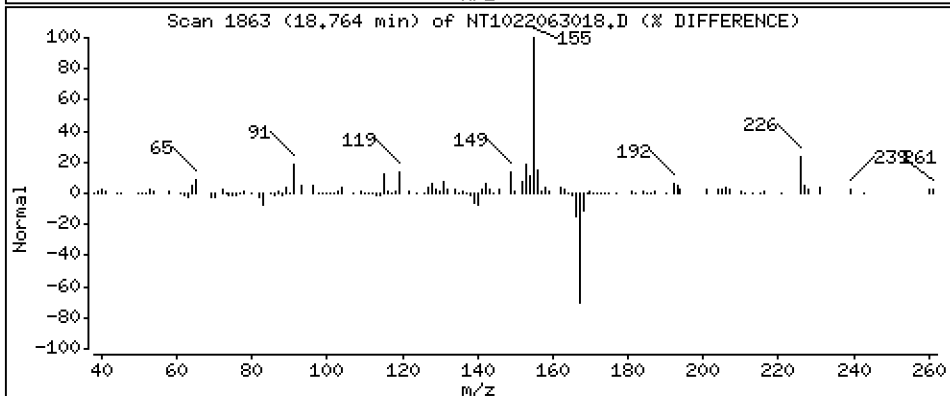
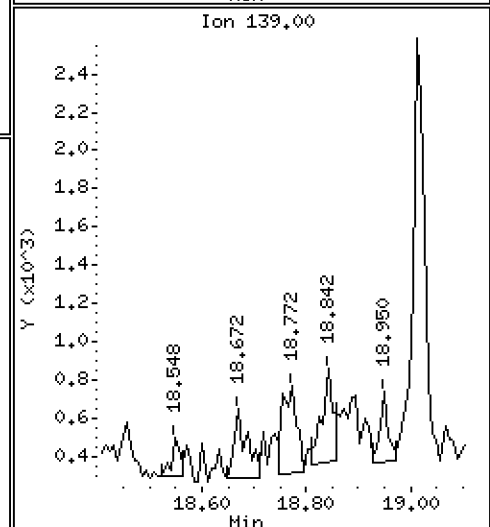
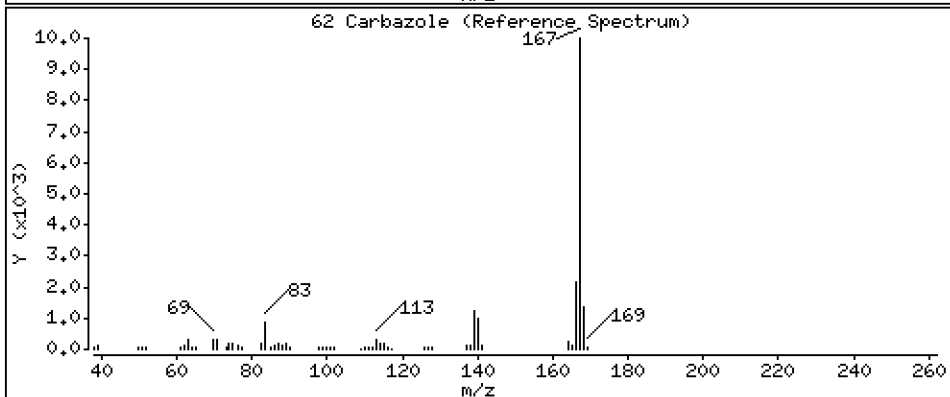
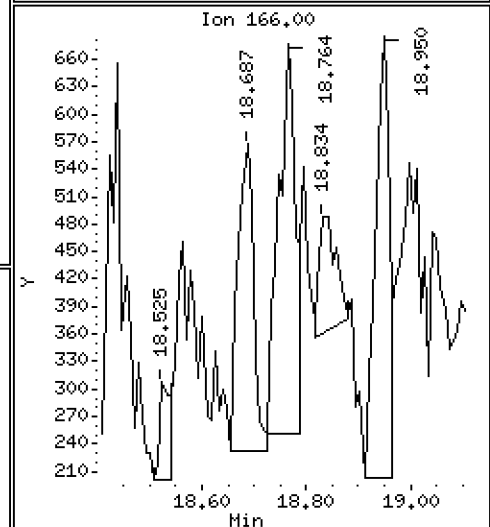
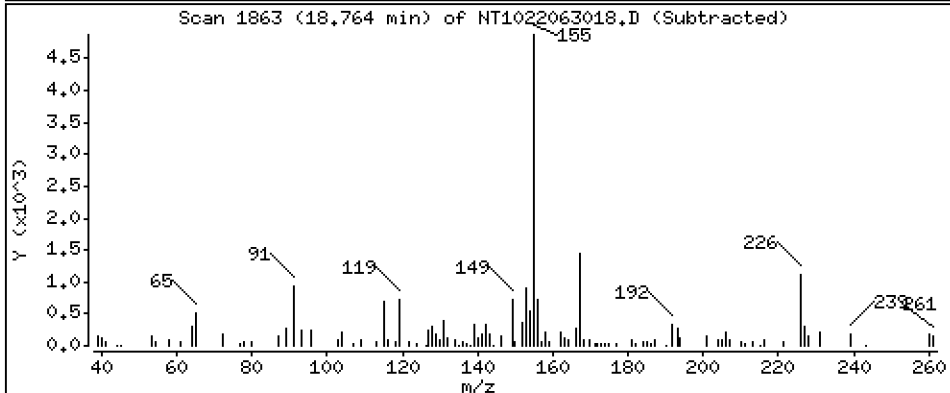
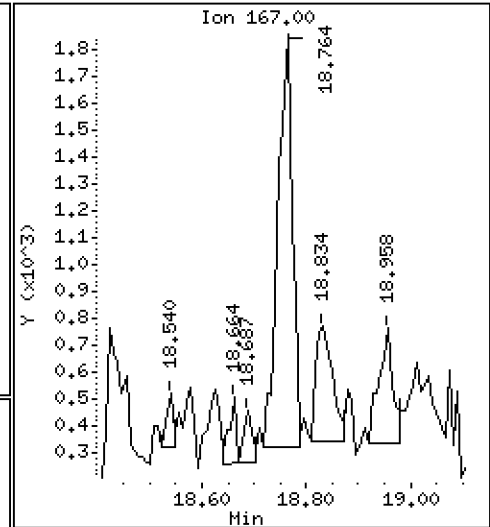
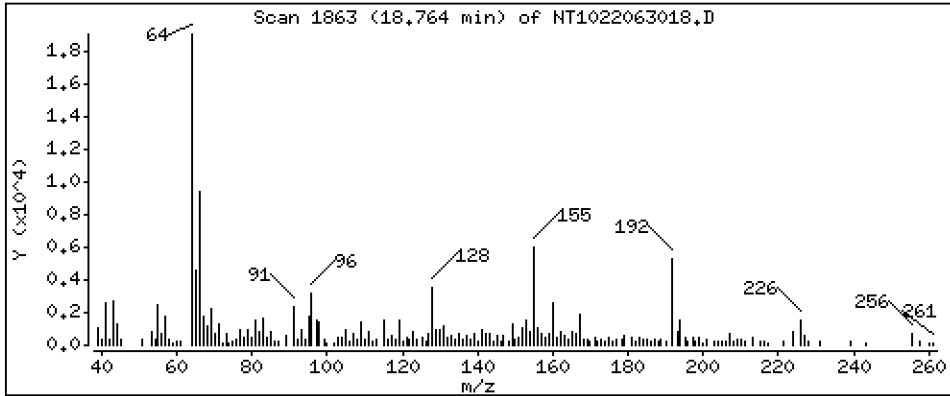
Operator: VTS

Column phase: ZB-5msi

Column diameter: 0.25

62 Carbazole

Concentration: 0.01376 ug/mL



Date : 01-JUL-2022 00:35

Client ID:

Instrument: nt10.i

Sample Info: 22F0267-22

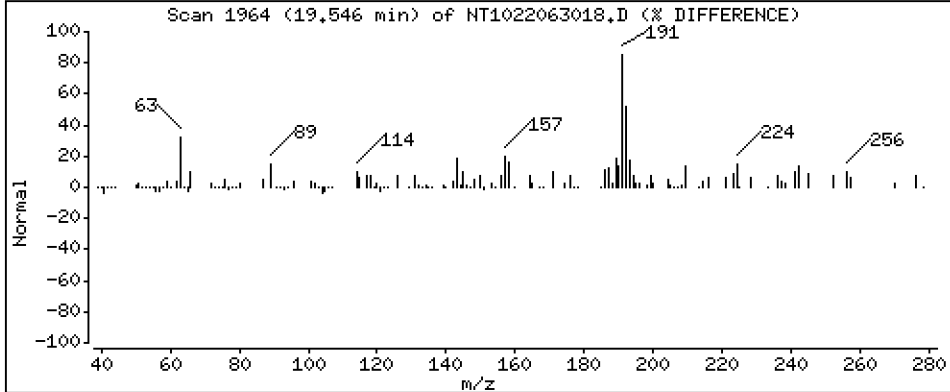
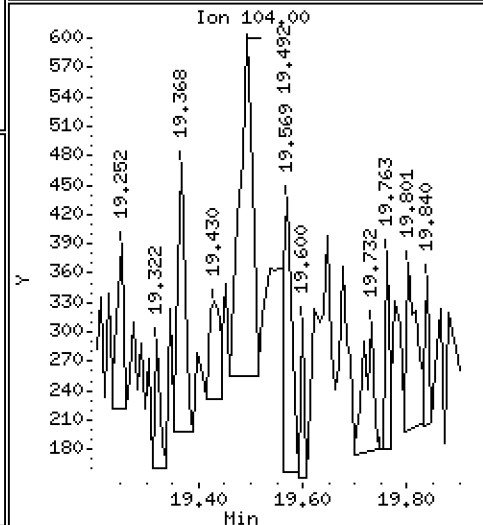
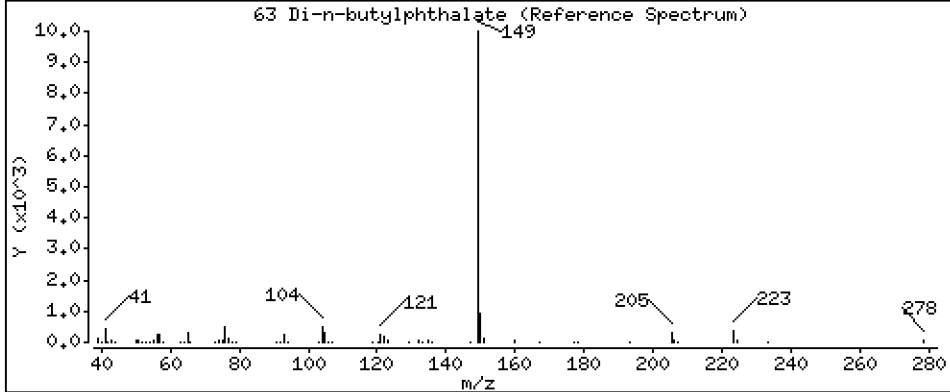
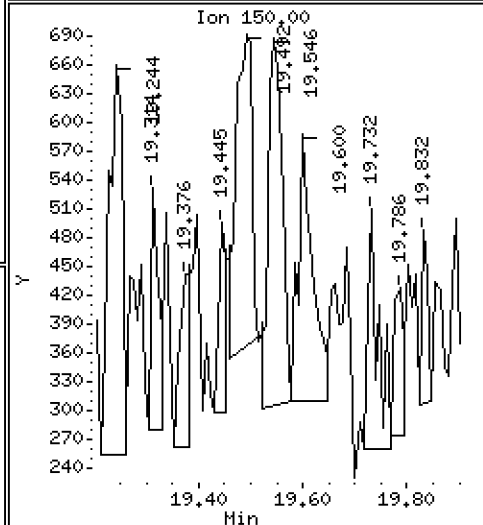
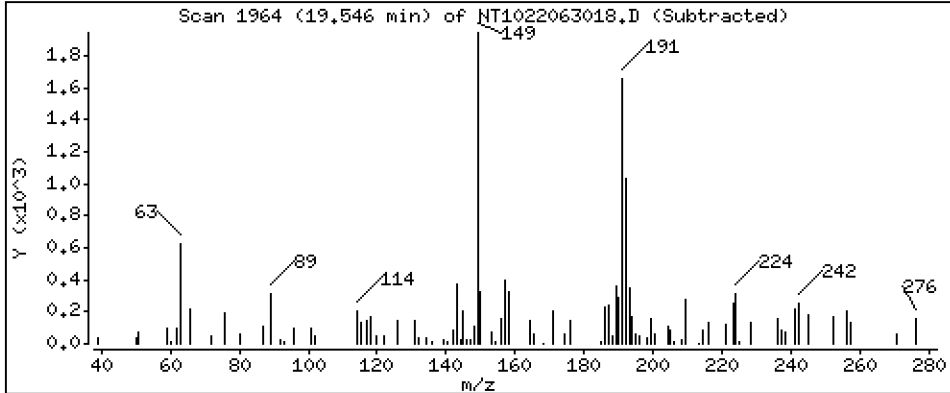
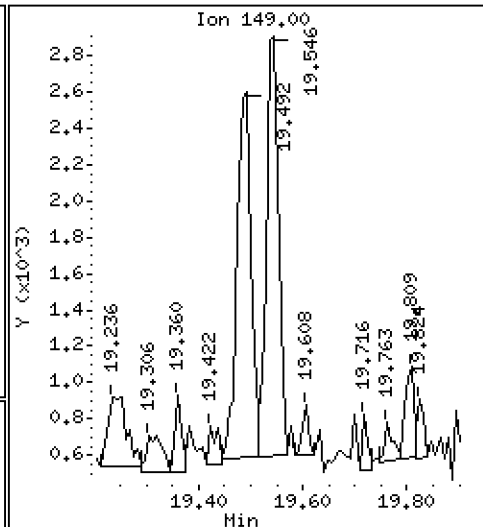
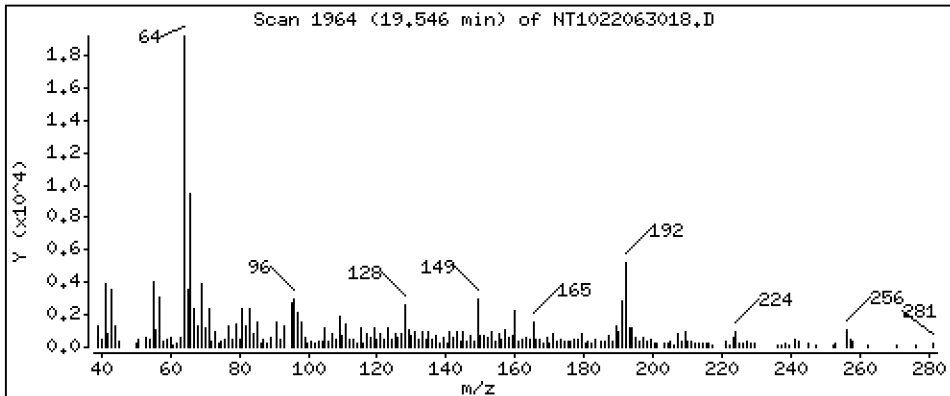
Operator: VTS

Column phase: ZB-5msi

Column diameter: 0.25

63 Di-n-butylphthalate

Concentration: 0.01238 ug/mL



Date : 01-JUL-2022 00:35

Client ID:

Instrument: nt10.i

Sample Info: 22F0267-22

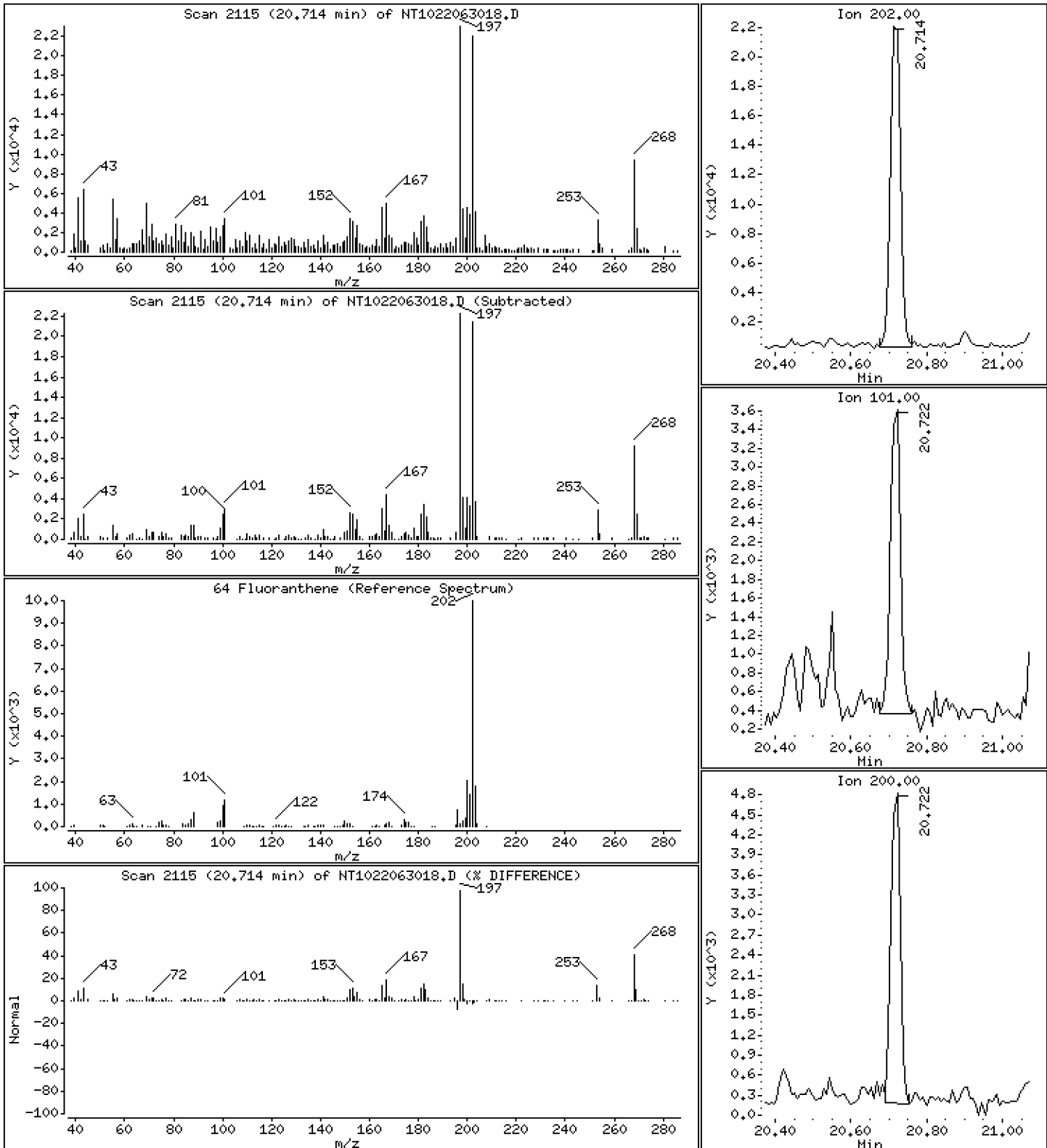
Operator: VTS

Column phase: ZB-5msi

Column diameter: 0,25

64 Fluoranthene

Concentration: 0,2742 ug/mL



Date : 01-JUL-2022 00:35

Client ID:

Instrument: nt10.i

Sample Info: 22F0267-22

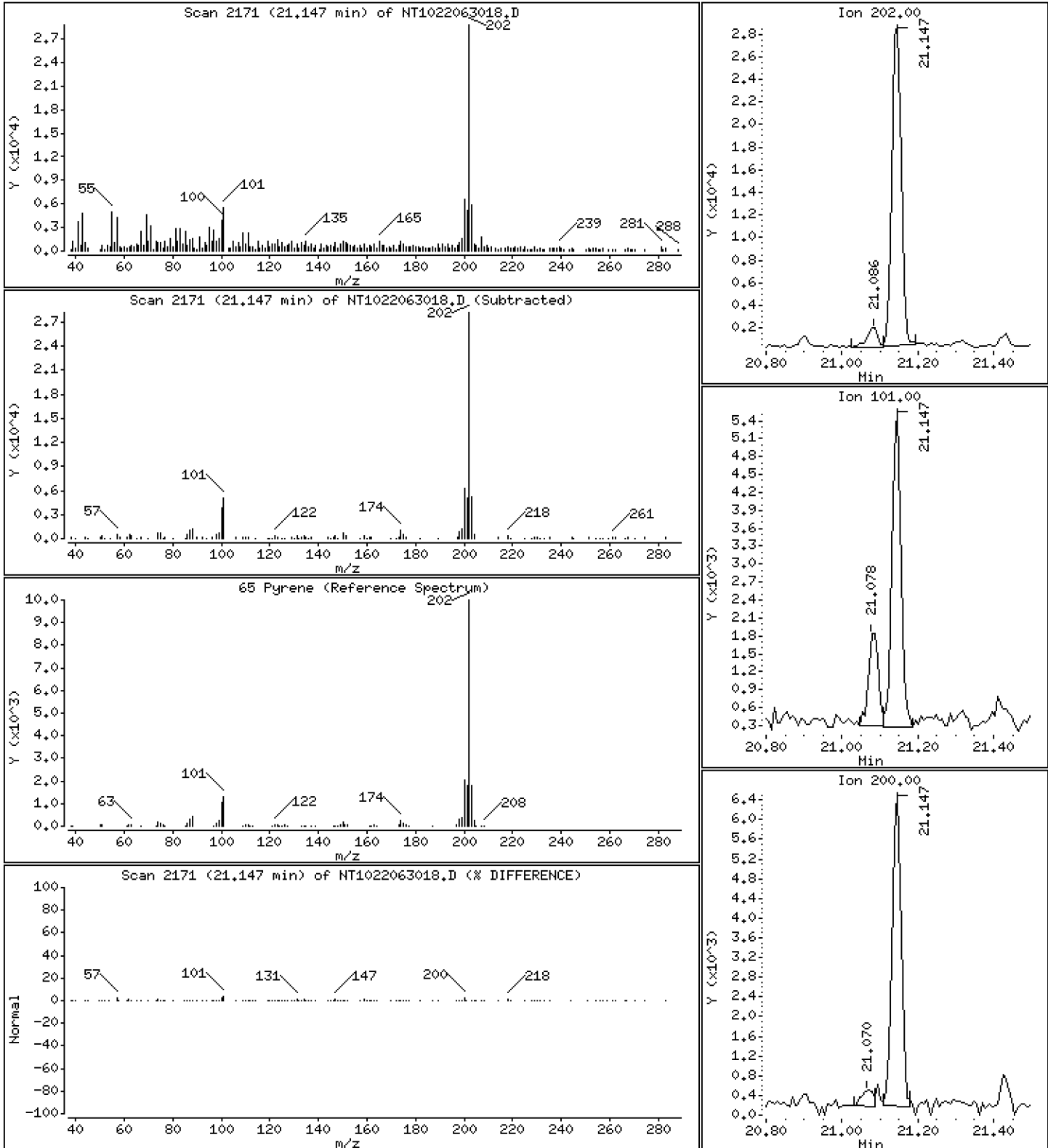
Operator: VTS

Column phase: ZB-5msi

Column diameter: 0,25

65 Pyrene

Concentration: 0,3779 ug/mL



Date : 01-JUL-2022 00:35

Client ID:

Instrument: nt10.i

Sample Info: 22F0267-22

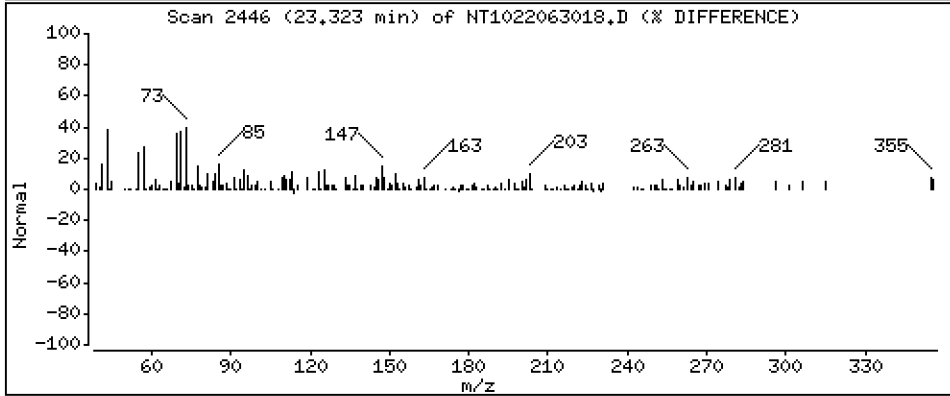
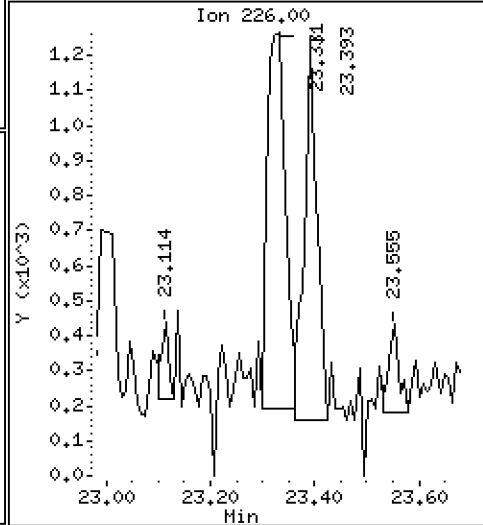
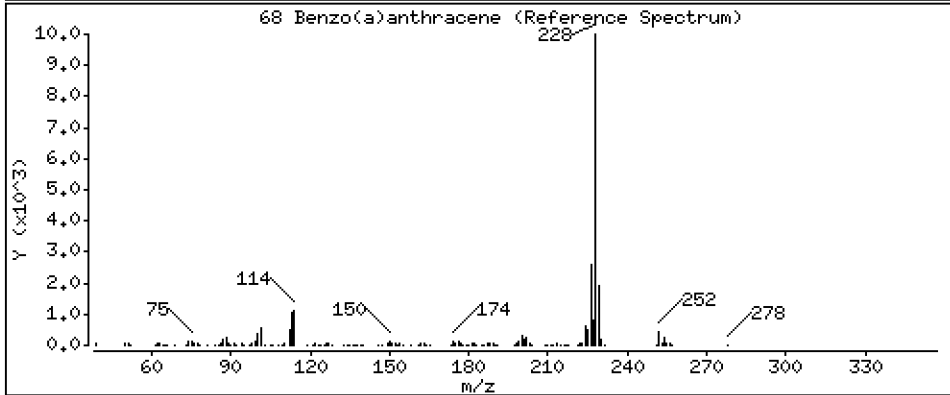
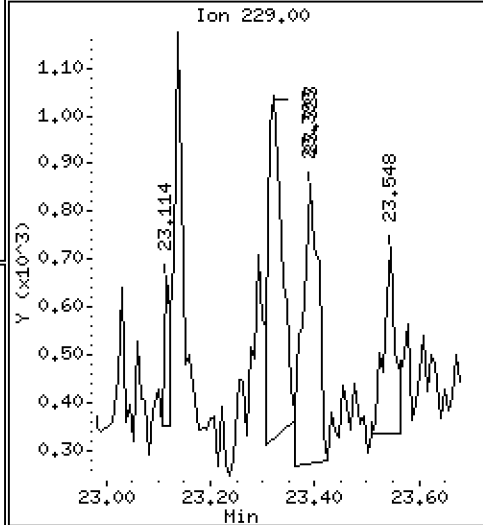
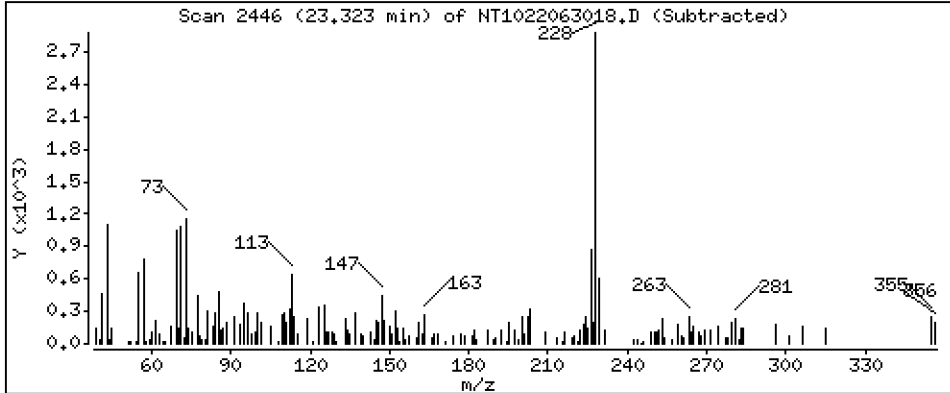
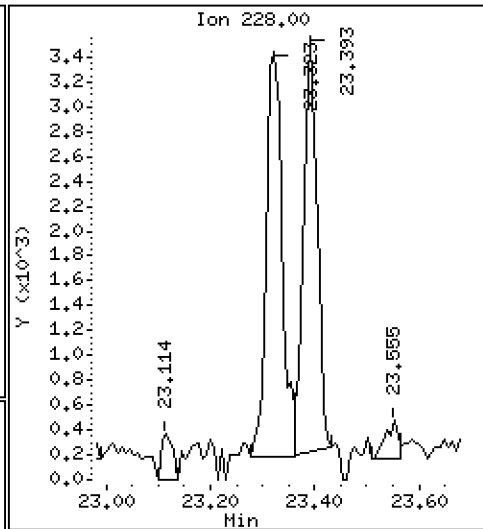
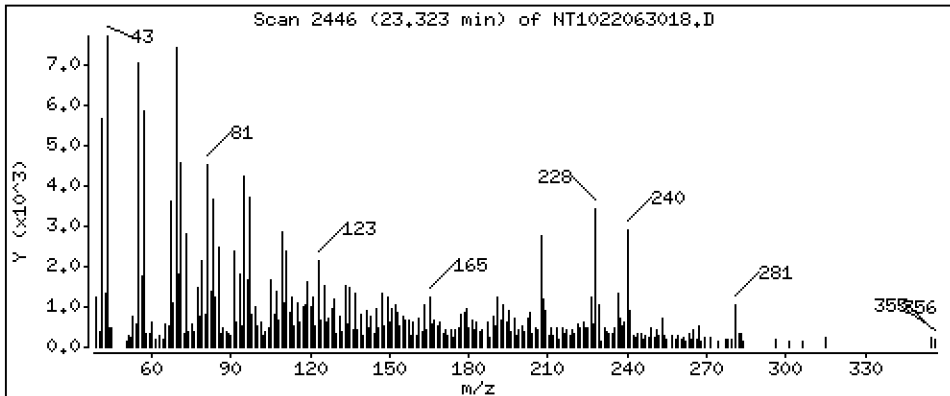
Operator: VTS

Column phase: ZB-5msi

Column diameter: 0.25

68 Benzo(a)anthracene

Concentration: 0.08013 ug/mL



Date : 01-JUL-2022 00:35

Client ID:

Instrument: nt10.i

Sample Info: 22F0267-22

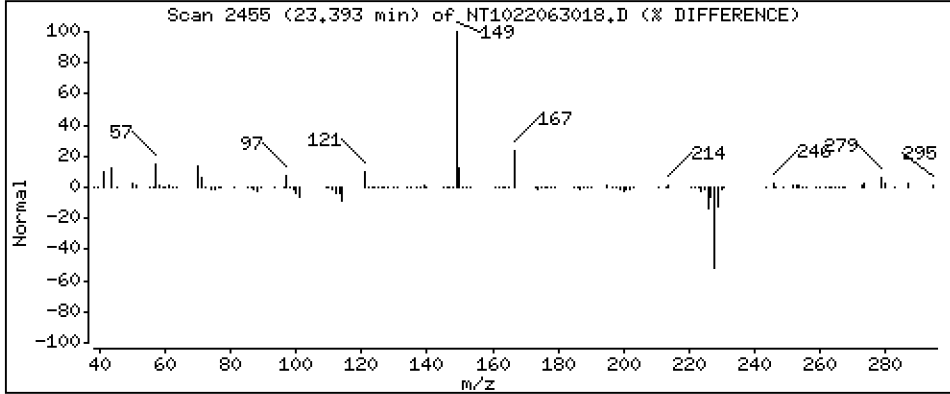
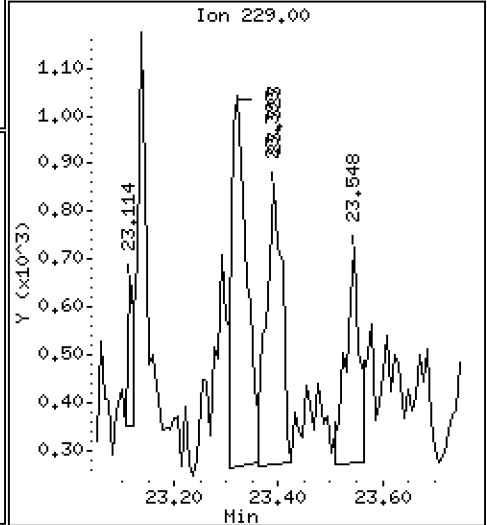
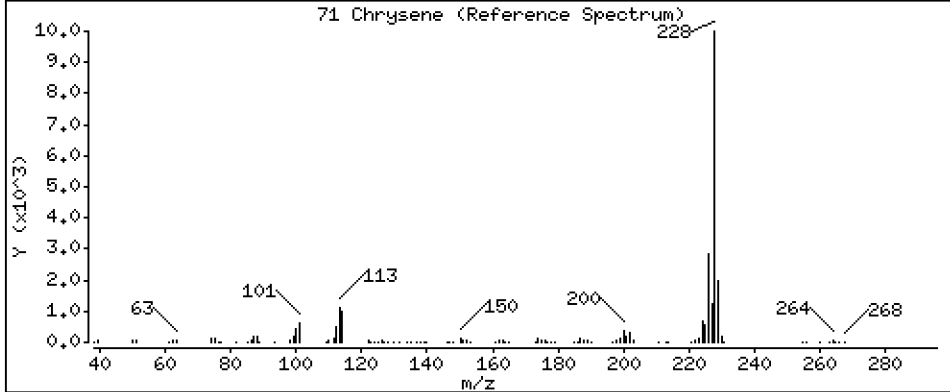
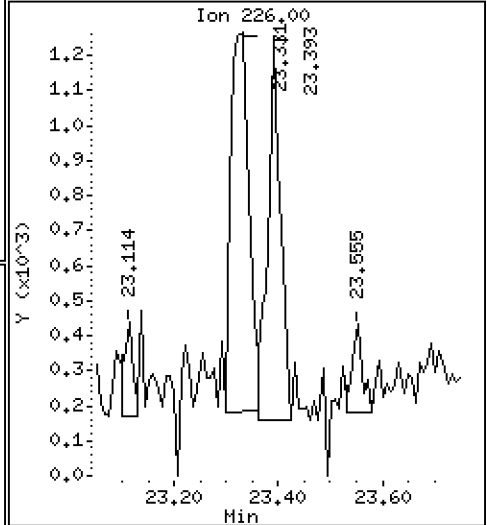
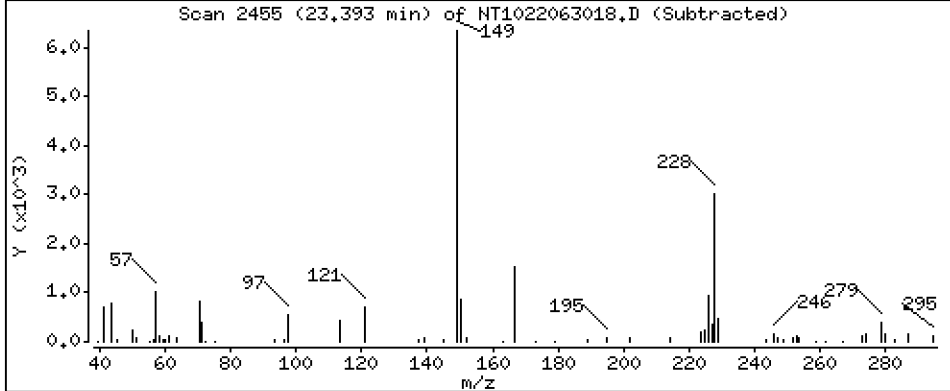
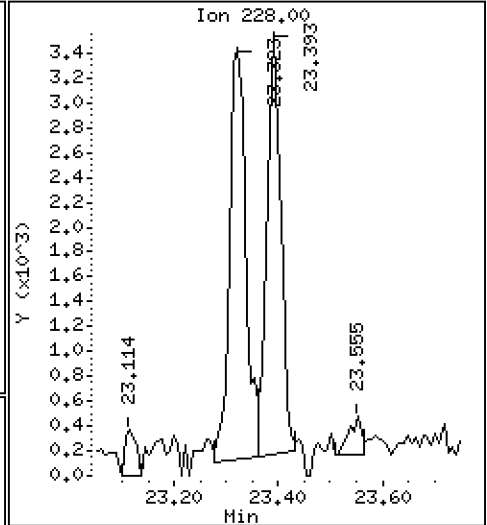
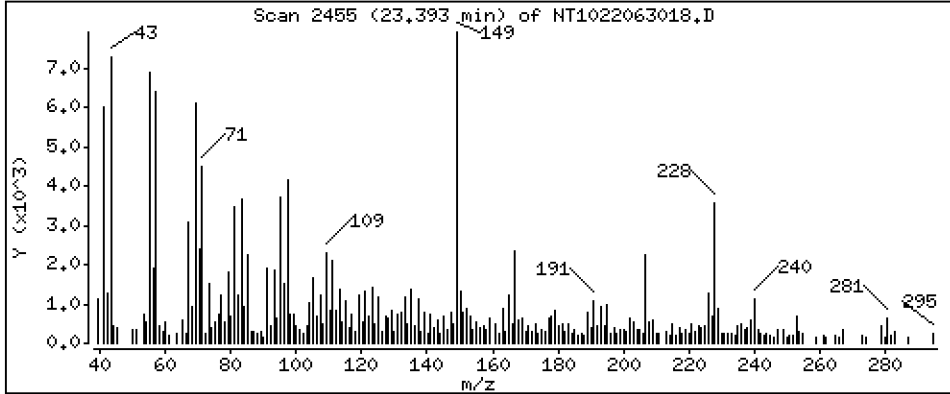
Operator: VTS

Column phase: ZB-5msi

Column diameter: 0,25

71 Chrysene

Concentration: 0,1131 ug/mL



Date : 01-JUL-2022 00:35

Client ID:

Instrument: nt10.i

Sample Info: 22F0267-22

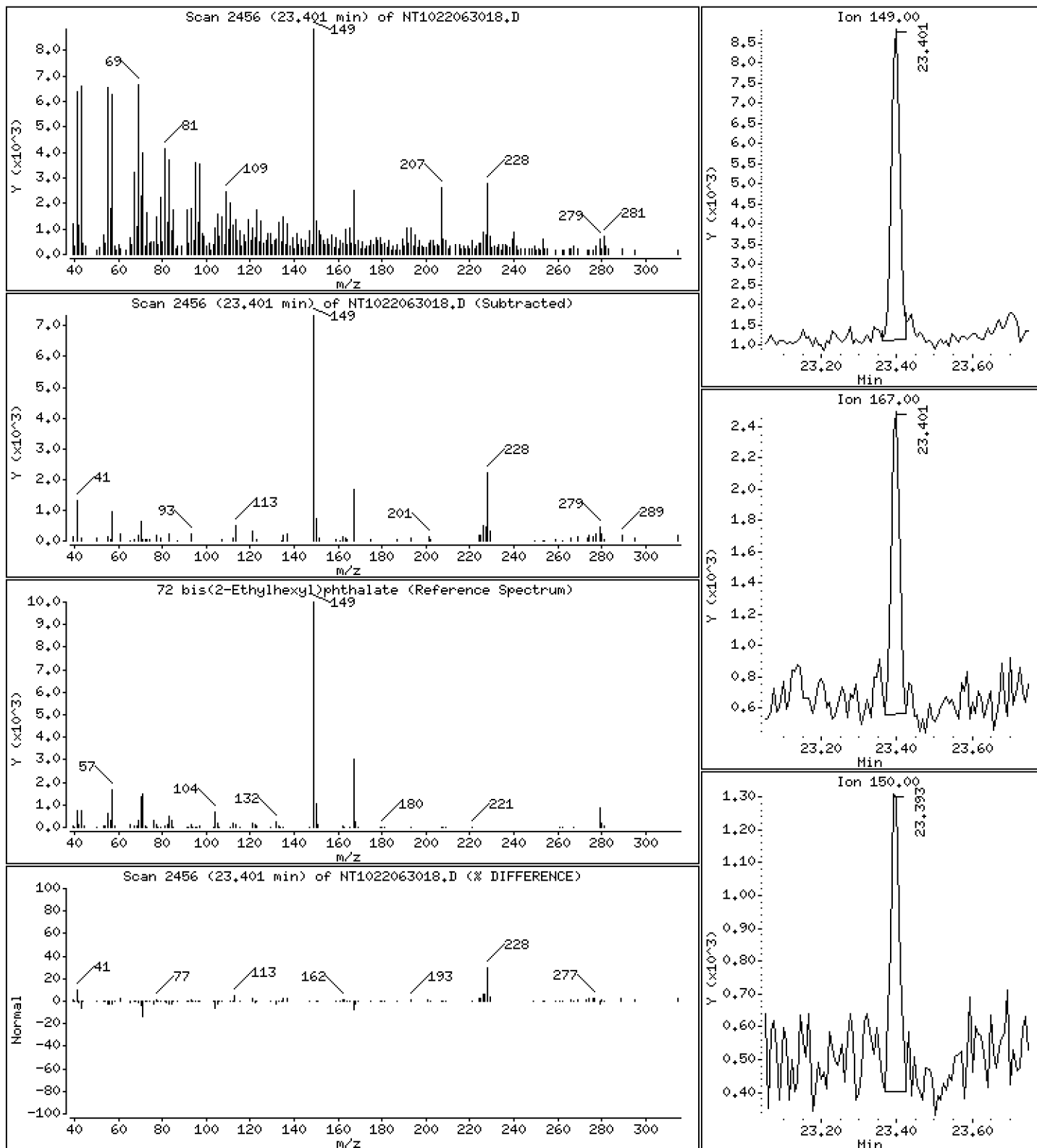
Operator: VTS

Column phase: ZB-5msi

Column diameter: 0,25

72 bis(2-Ethylhexyl)phthalate

Concentration: 0,2771 ug/mL



Date : 01-JUL-2022 00:35

Client ID:

Instrument: nt10.i

Sample Info: 22F0267-22

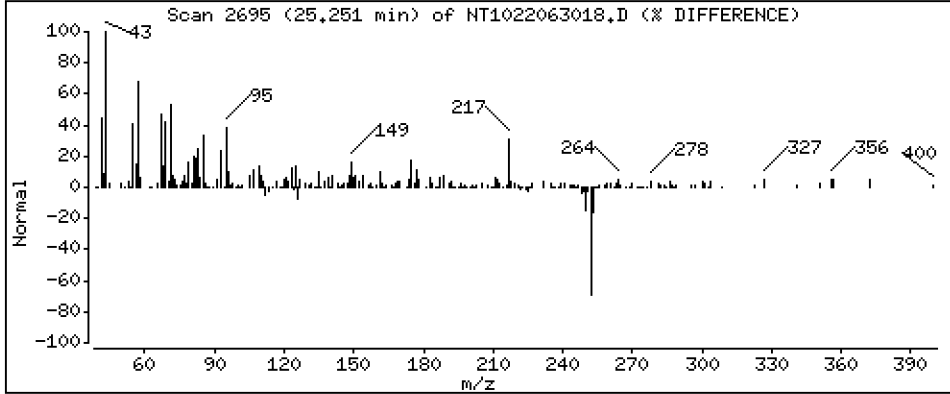
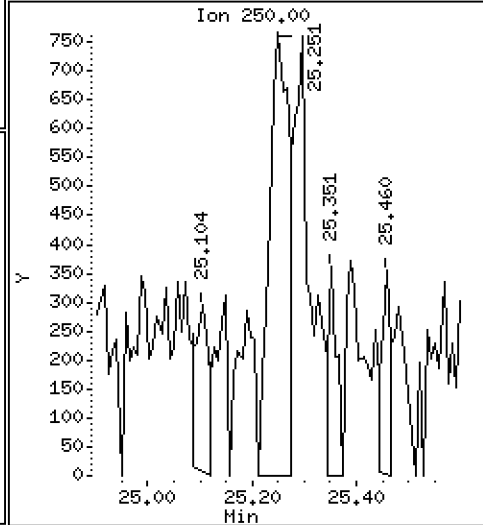
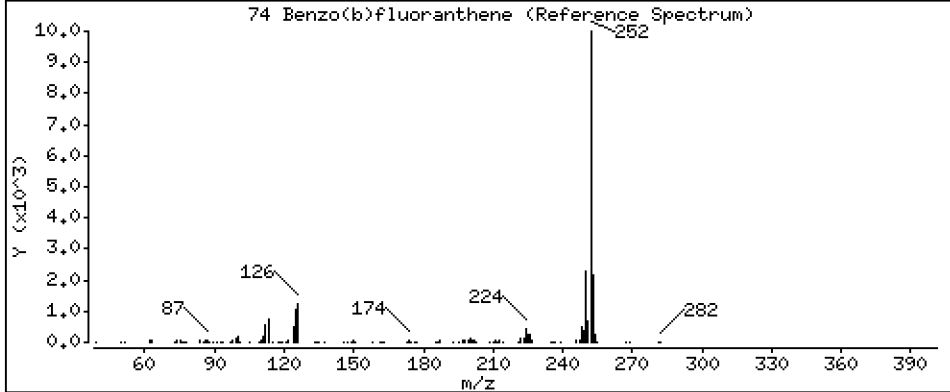
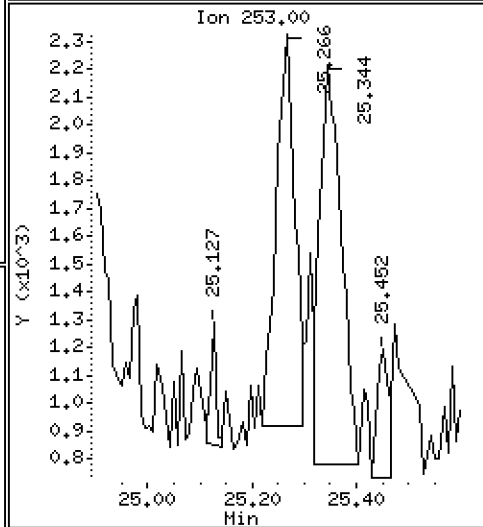
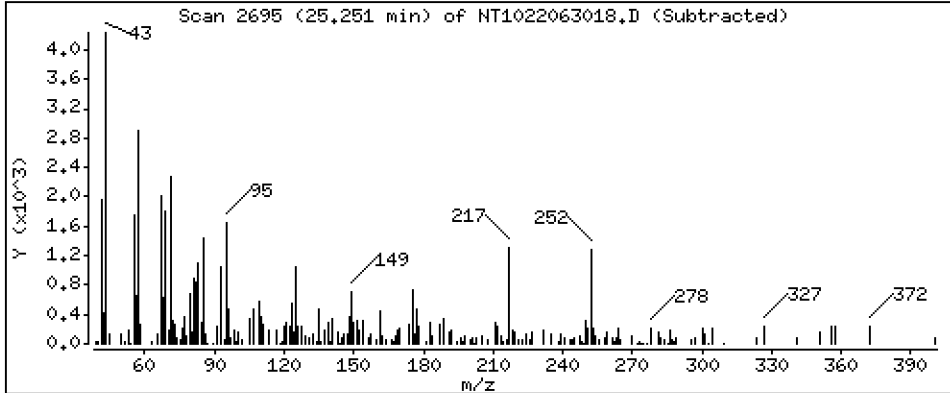
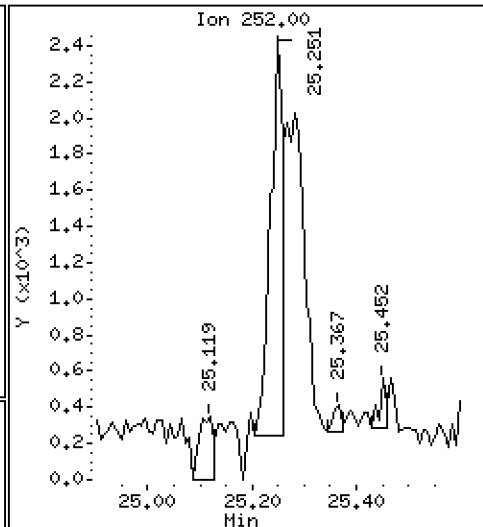
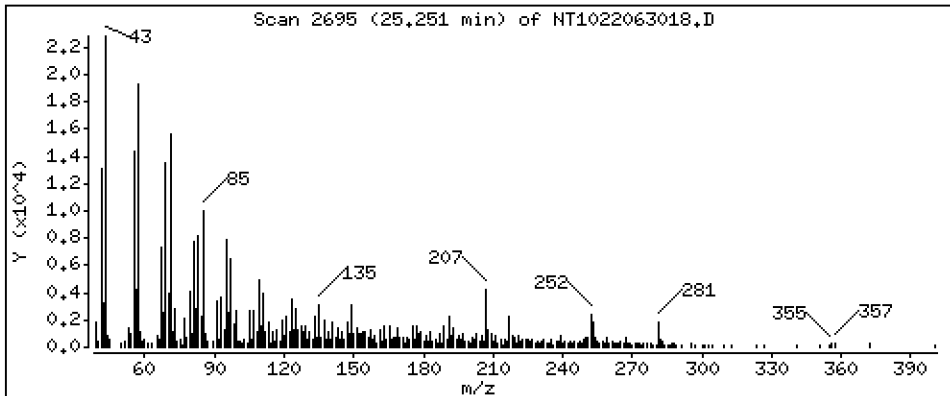
Operator: VTS

Column phase: ZB-5msi

Column diameter: 0.25

74 Benzo(b)fluoranthene

Concentration: 0.06160 ug/mL



Date : 01-JUL-2022 00:35

Client ID:

Instrument: nt10.i

Sample Info: 22F0267-22

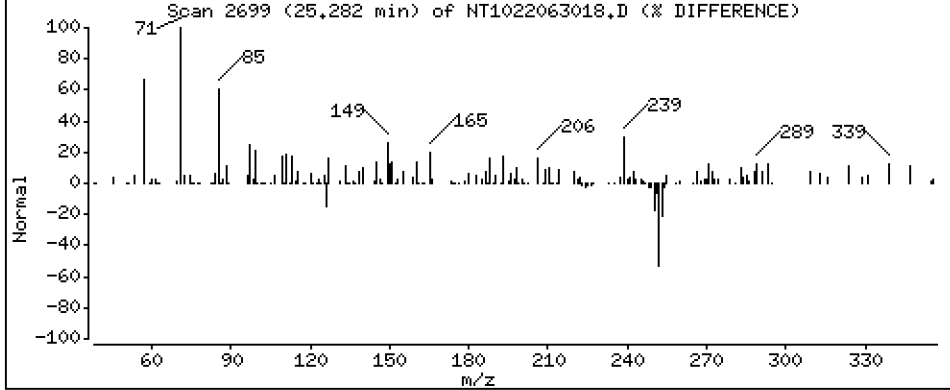
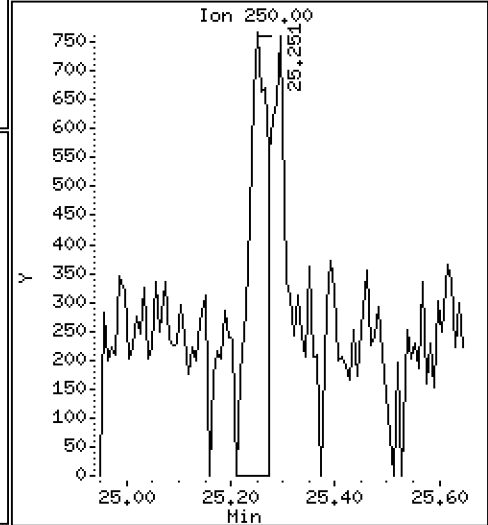
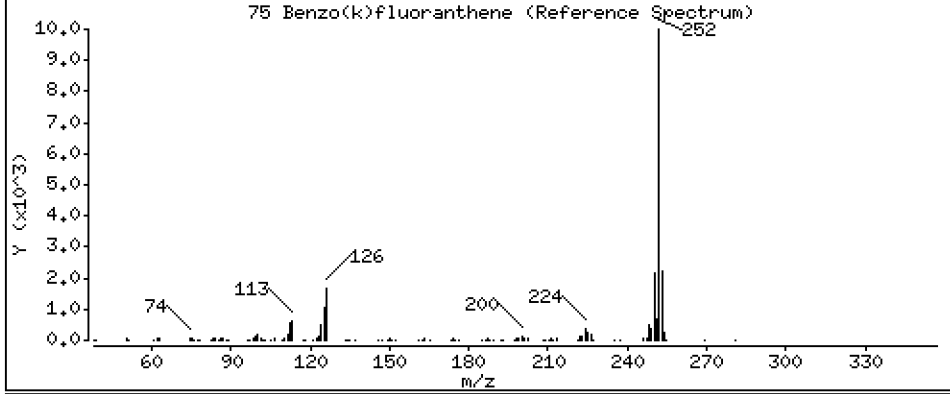
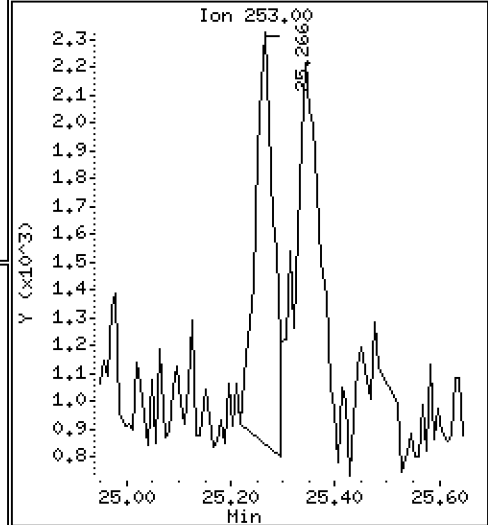
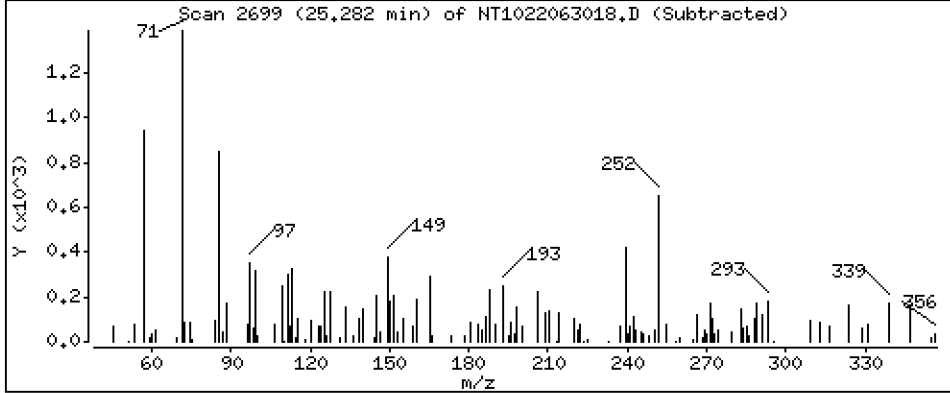
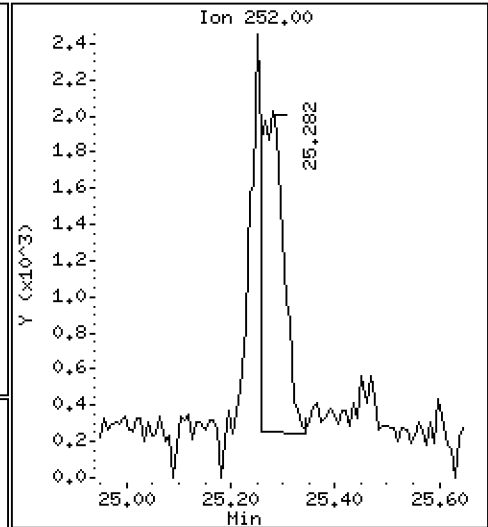
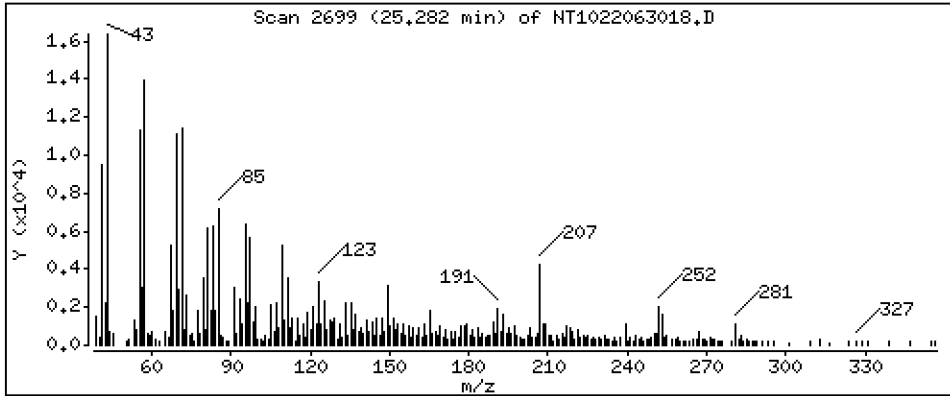
Operator: VTS

Column phase: ZB-5msi

Column diameter: 0,25

75 Benzo(k)fluoranthene

Concentration: 0,09804 ug/mL



Date : 01-JUL-2022 00:35

Client ID:

Instrument: nt10.i

Sample Info: 22F0267-22

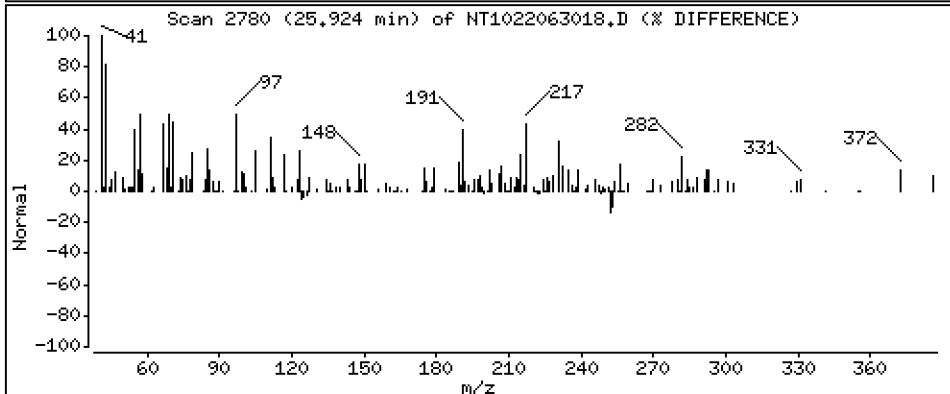
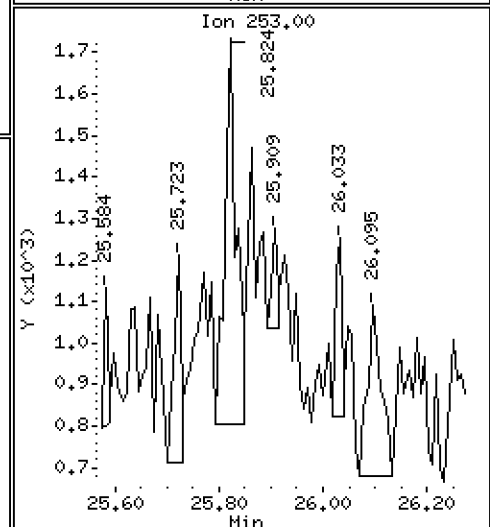
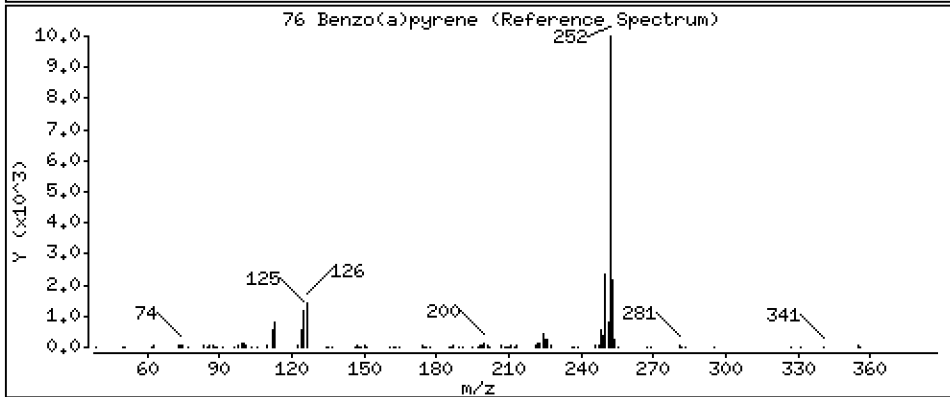
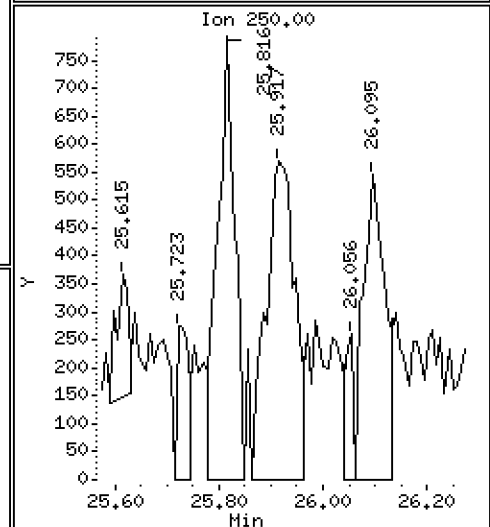
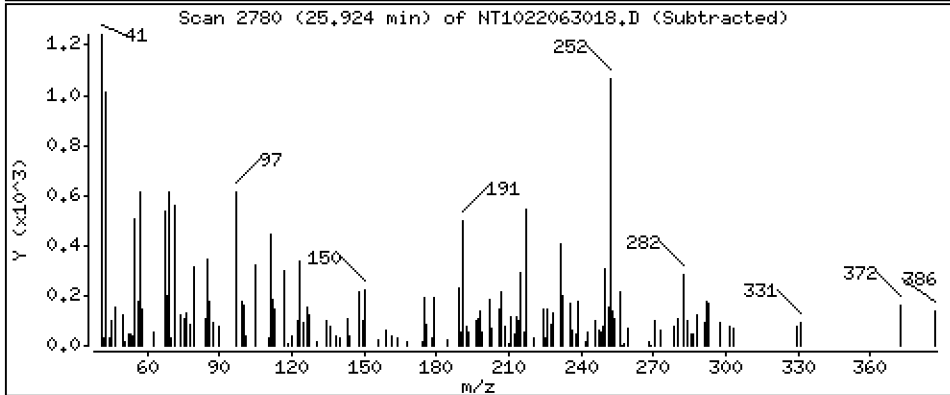
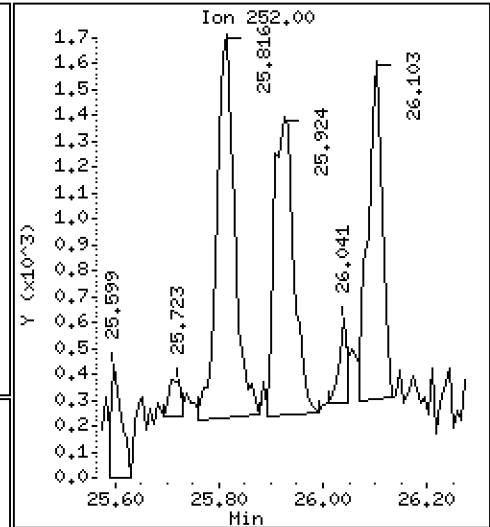
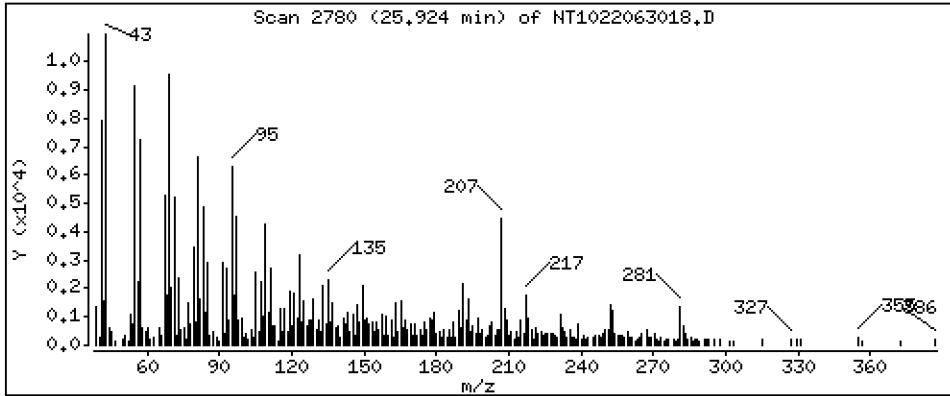
Operator: VTS

Column phase: ZB-5msi

Column diameter: 0.25

76 Benzo(a)pyrene

Concentration: 0.06376 ug/mL



Date : 01-JUL-2022 00:35

Client ID:

Instrument: nt10.i

Sample Info: 22F0267-22

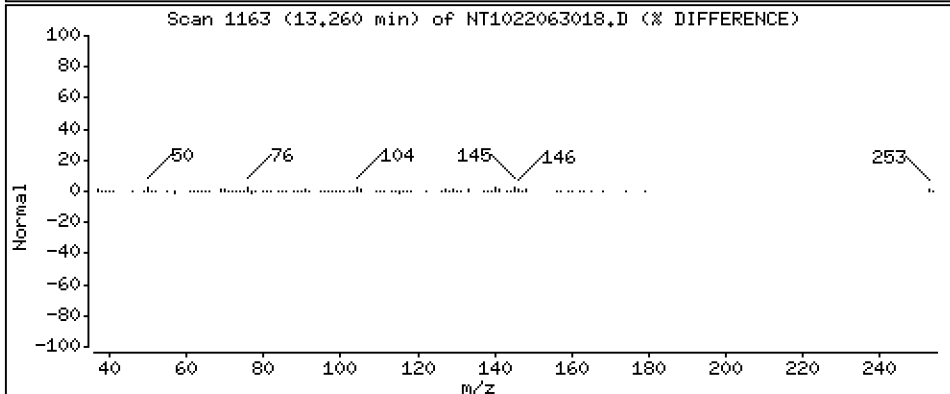
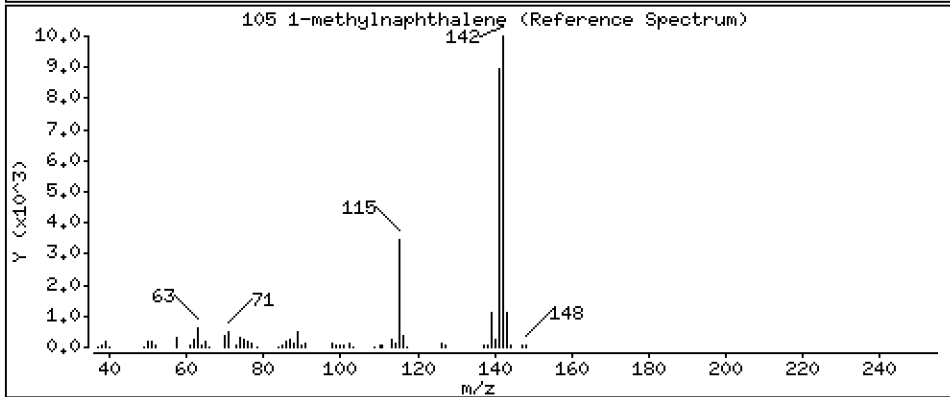
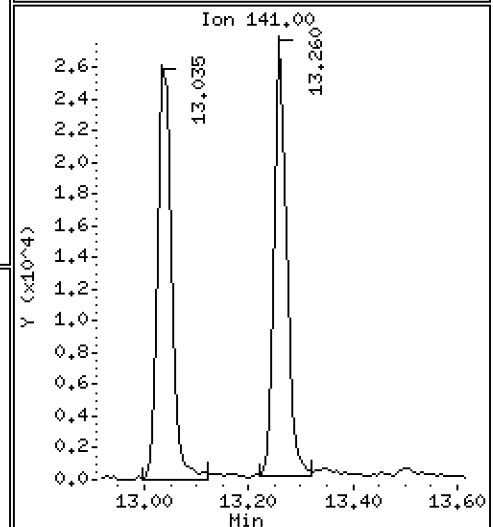
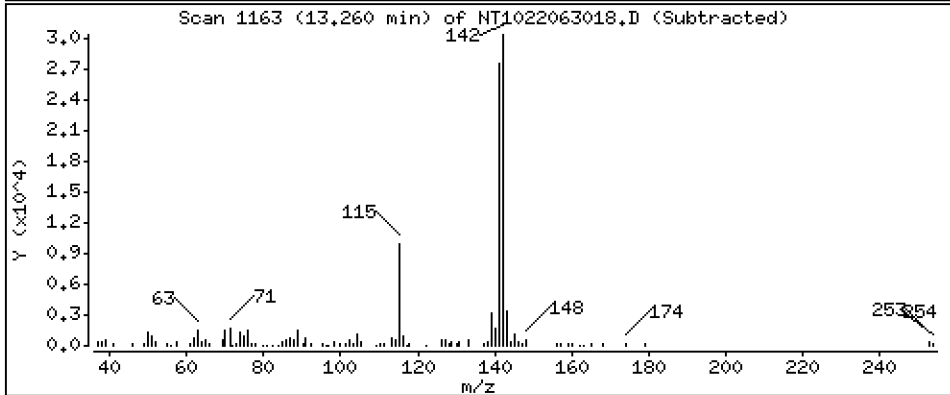
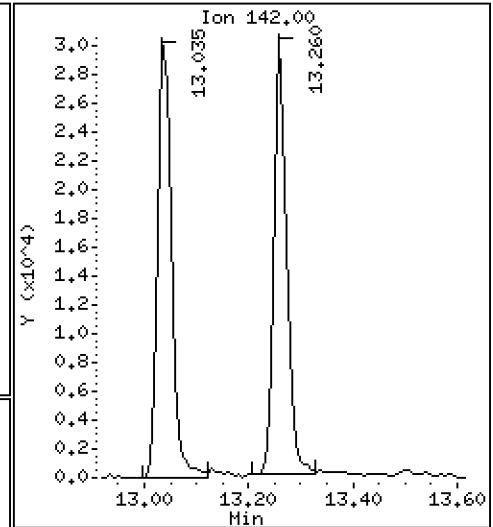
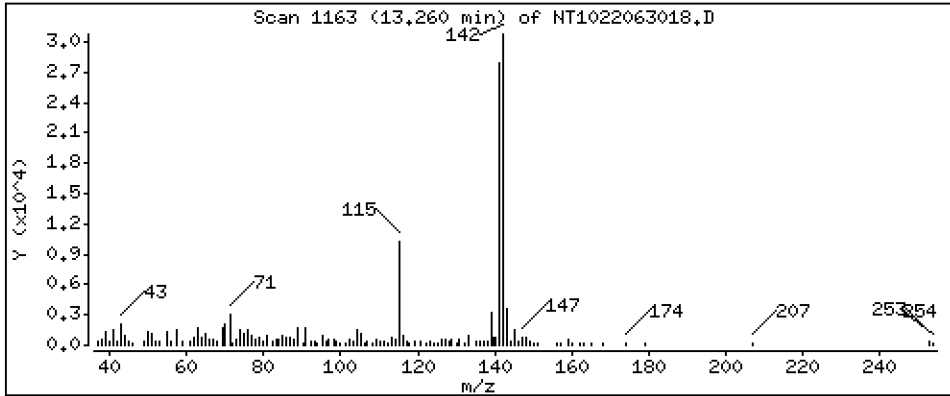
Operator: VTS

Column phase: ZB-5msi

Column diameter: 0,25

105 1-methylnaphthalene

Concentration: 0,2041 ug/mL



Date : 01-JUL-2022 00:35

Client ID:

Instrument: nt10.i

Sample Info: 22F0267-22

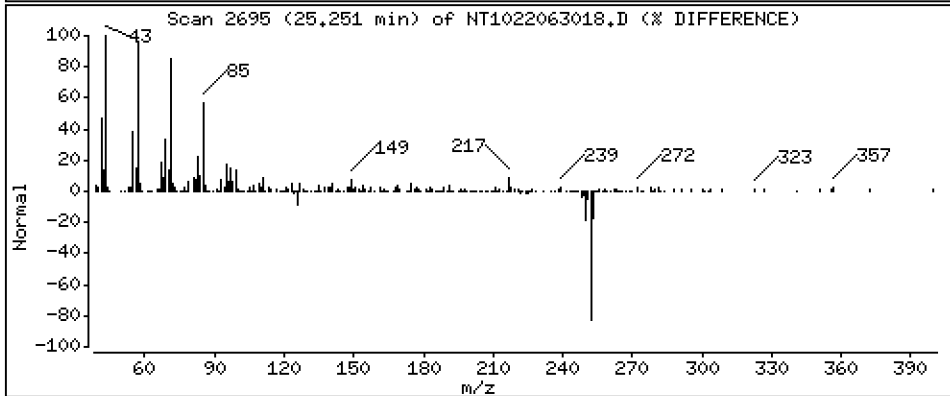
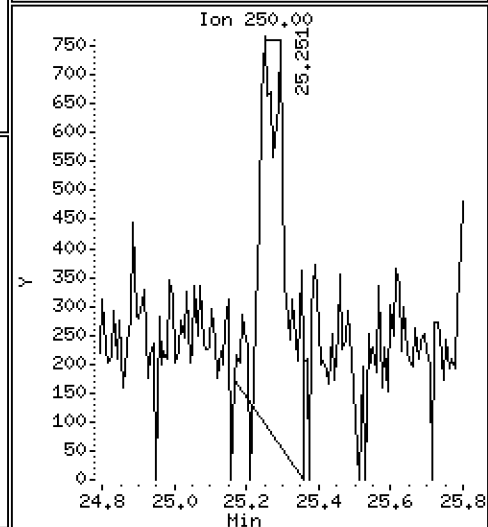
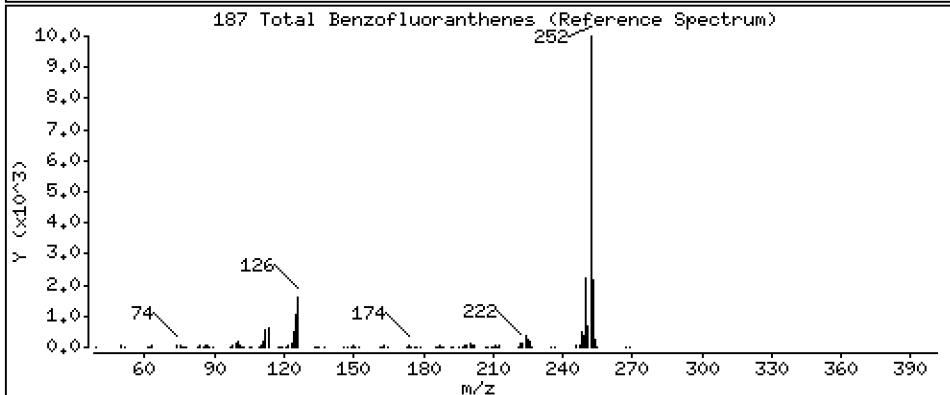
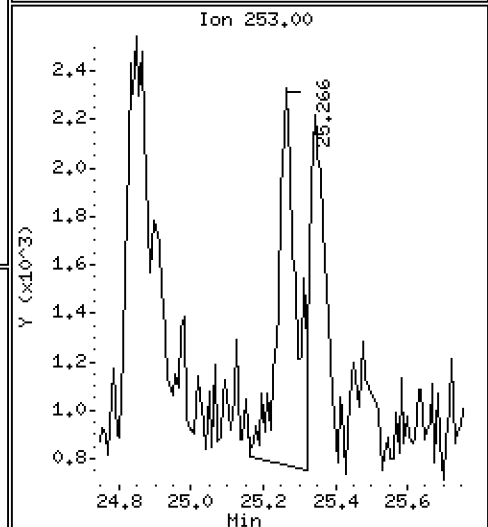
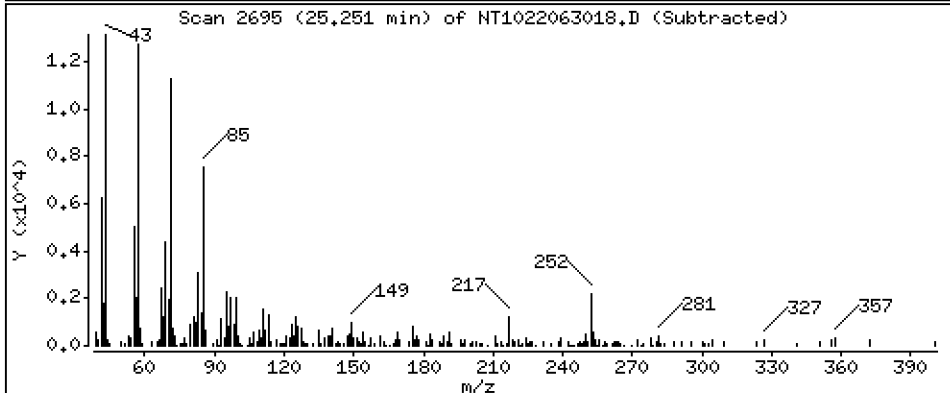
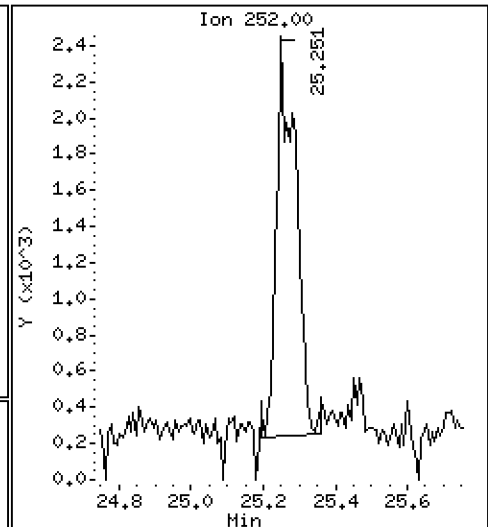
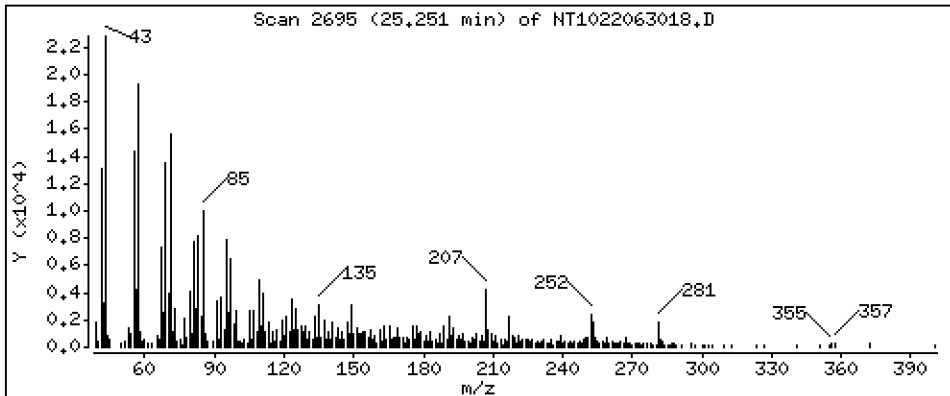
Operator: VTS

Column phase: ZB-5msi

Column diameter: 0,25

187 Total Benzofluoranthenes

Concentration: 0,1570 ug/mL



Date : 01-JUL-2022 00:35

Client ID:

Instrument: nt10.i

Sample Info: 22F0267-22

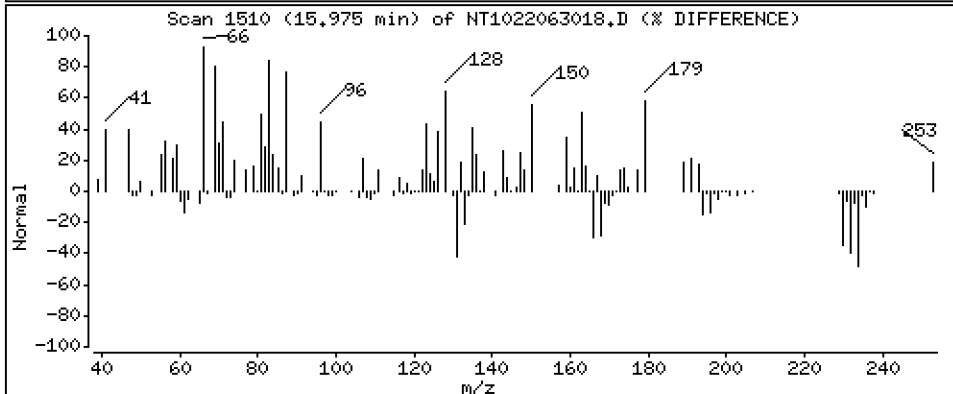
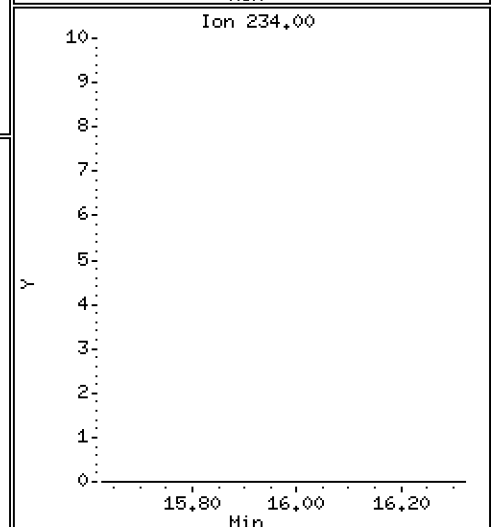
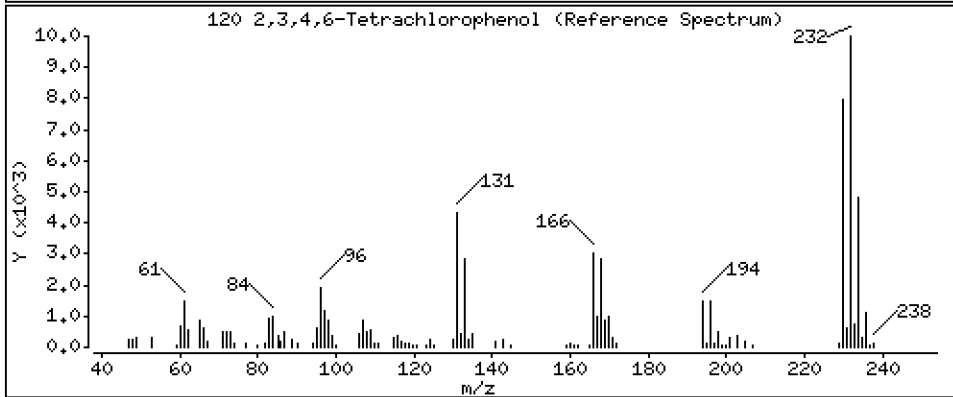
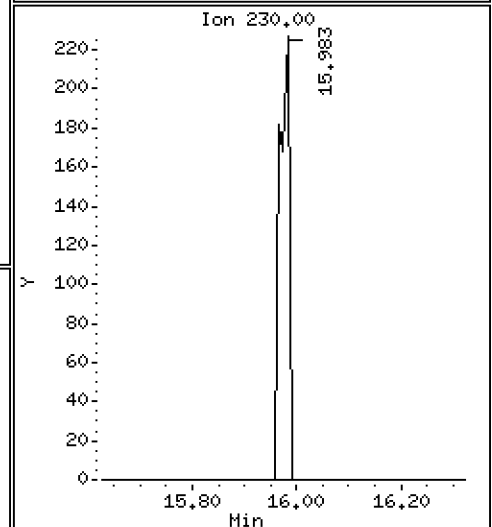
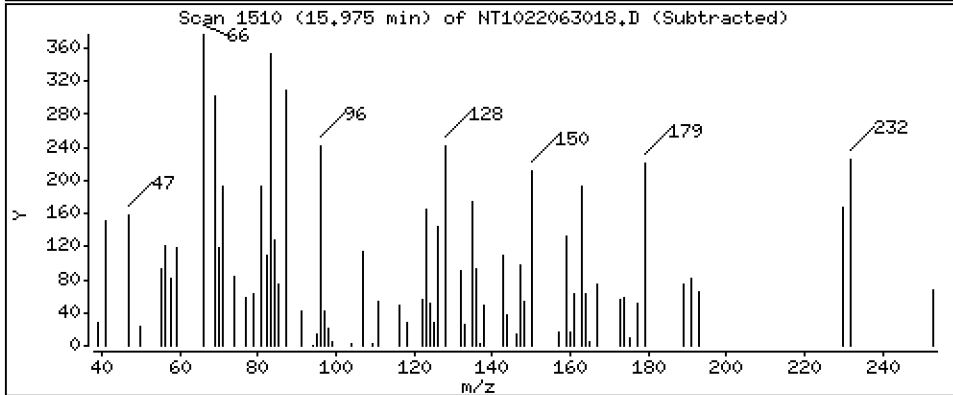
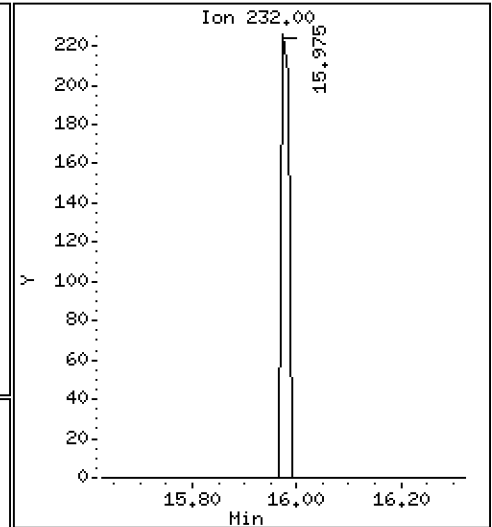
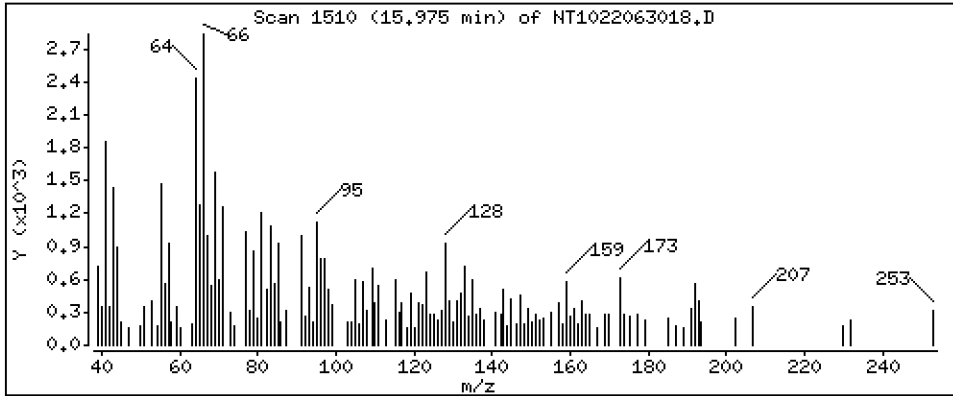
Operator: VTS

Column phase: ZB-5msi

Column diameter: 0,25

120 2,3,4,6-Tetrachlorophenol

Concentration: 0,004690 ug/mL



ARI Labs, Inc.

Semivolatile Report SW846 Method 8270D

Data file : \\target\share\chem3\nt10.i\20220630.b\NT1022063018.D
 Lab Smp Id: 22F0267-22
 Inj Date : 01-JUL-2022 00:35
 Operator : VTS
 Smp Info : 22F0267-22
 Misc Info :
 Comment : 1ul Injection
 Method : \\target\share\chem3\nt10.i\20220630.b\ABN.m
 Meth Date : 01-Jul-2022 17:13 yev
 Cal Date : 23-JUN-2022 13:07
 Als bottle: 17
 Dil Factor: 1.00000
 Integrator: HP RTE
 Target Version: 4.14
 Processing Host: ORGDATA102

Inst ID: nt10.i

Quant Type: ISTD
 Cal File: NT1022062308.D

Compound Sublist: ICAL.sub

Compounds	QUANT	SIG	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS	
							ON-COLUMN	FINAL
	MASS						(ug/mL)	(ug/mL)
\$ 1 2-Fluorophenol	112		6.921	6.922	(0.760)	473341	4.54312	4.543
\$ 2 Phenol-d5	99		8.505	8.513	(0.934)	691021	4.46993	4.470
3 Phenol	94		8.528	8.529	(0.936)	4786	0.03553	0.03553
\$ 5 2-Chlorophenol-d4	132		8.760	8.768	(0.962)	638329	6.01279	6.013
4 Bis(2-Chloroethyl)ether	93		Compound Not Detected.					
6 2-Chlorophenol	128		Compound Not Detected.					
7 1,3-Dichlorobenzene	146		Compound Not Detected.					
* 8 1,4-Dichlorobenzene-d4	152		9.109	9.117	(1.000)	285328	4.00000	
9 1,4-Dichlorobenzene	146		Compound Not Detected.					
\$ 10 1,2-Dichlorobenzene-d4	152		9.473	9.474	(1.040)	258582	3.95282	3.953
12 1,2-Dichlorobenzene	146		Compound Not Detected.					
11 Benzyl alcohol	108		Compound Not Detected.					
14 2,2'-oxybis(1-Chloropropane)	121		Compound Not Detected.					
13 2-Methylphenol	108		Compound Not Detected.					
17 Hexachloroethane	117		Compound Not Detected.					
16 N-Nitroso-di-n-propylamine	70		Compound Not Detected.					
15 4-Methylphenol	108		Compound Not Detected.					
\$ 18 Nitrobenzene-d5	82		10.203	10.211	(0.880)	410645	3.95718	3.957
19 Nitrobenzene	77		Compound Not Detected.					
20 Isophorone	82		Compound Not Detected.					
21 2-Nitrophenol	139		Compound Not Detected.					
22 2,4-Dimethylphenol	107		Compound Not Detected.					
23 Bis(2-Chloroethoxy)methane	93		Compound Not Detected.					
24 Benzoic acid	105		11.139	11.123	(0.961)	4751	0.11496	0.1150
25 2,4-Dichlorophenol	162		Compound Not Detected.					
26 1,2,4-Trichlorobenzene	180		Compound Not Detected.					
* 27 Naphthalene-d8	136		11.596	11.604	(1.000)	975244	4.00000	
28 Naphthalene	128		11.635	11.643	(1.003)	40599	0.16266	0.1627
29 4-Chloroaniline	127		Compound Not Detected.					
30 Hexachlorobutadiene	225		Compound Not Detected.					
31 4-Chloro-3-methylphenol	107		Compound Not Detected.					
32 2-Methylnaphthalene	142		13.035	13.043	(1.124)	53309	0.21490	0.2149
33 Hexachlorocyclopentadiene	237		Compound Not Detected.					

Compounds	QUANT	SIG	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS	
							ON-COLUMN (ug/mL)	FINAL (ug/mL)
34 2,4,6-Trichlorophenol	196							
35 2,4,5-Trichlorophenol	196							
\$ 36 2-Fluorobiphenyl	172		13.816	13.824	(0.908)	931326	4.28591	4.286
37 2-Chloronaphthalene	162							
38 2-Nitroaniline	65							
39 Dimethylphthalate	163		14.706	14.730	(0.966)	10138	0.06020	0.06020
40 Acenaphthylene	152							
41 2,6-Dinitrotoluene	165							
* 42 Acenaphthene-d10	164		15.217	15.225	(1.000)	480190	4.00000	
43 3-Nitroaniline	138							
44 Acenaphthene	153		15.287	15.295	(1.005)	1605	0.01149	0.01149
45 2,4-Dinitrophenol	184							
46 Dibenzofuran	168		15.619	15.619	(1.026)	30954	0.13947	0.1395
47 4-Nitrophenol	109							
48 2,4-Dinitrotoluene	165							
50 Diethylphthalate	149		16.183	16.191	(1.064)	19336	0.13385	0.1339
49 Fluorene	166		16.330	16.338	(1.073)	5051	0.01905	0.01905
51 4-Chlorophenyl-phenylether	204							
52 4-Nitroaniline	138							
53 4,6-Dinitro-2-methylphenol	198							
54 N-Nitrosodiphenylamine	169							
\$ 55 2,4,6-Tribromophenol	330		16.878	16.878	(1.109)	138453	6.33827	6.338
56 4-Bromophenyl-phenylether	248							
57 Hexachlorobenzene	284							
58 Pentachlorophenol	266		18.029	18.029	(0.987)	1066	0.08946	0.08946
* 59 Phenanthrene-d10	188		18.269	18.277	(1.000)	796265	4.00000	
60 Phenanthrene	178		18.323	18.331	(1.003)	26200	0.12524	0.1252
61 Anthracene	178		18.416	18.424	(1.008)	6717	0.03013	0.03013
62 Carbazole	167		18.764	18.757	(1.027)	2830	0.01376	0.01376
63 Di-n-butylphthalate	149		19.545	19.554	(1.070)	3810	0.01238	0.01238
64 Fluoranthene	202		20.714	20.722	(0.887)	38119	0.27423	0.2742
65 Pyrene	202		21.147	21.147	(0.906)	45992	0.37793	0.3779
\$ 66 Terphenyl-d14	244		21.433	21.434	(0.918)	396320	5.75396	5.754
67 Butylbenzylphthalate	149							
68 Benzo(a)anthracene	228		23.323	23.331	(0.999)	6702	0.08013	0.08013
* 69 Chrysene-d12	240		23.346	23.354	(1.000)	197374	4.00000	
70 3,3'-Dichlorobenzidine	252							
71 Chrysene	228		23.392	23.400	(1.002)	6258	0.11311	0.1131
72 bis(2-Ethylhexyl)phthalate	149		23.400	23.400	(0.959)	11379	0.27712	0.2771
* 134 Di-n-octylphthalate-d4	153		24.399	24.407	(1.000)	371489	4.00000	
73 Di-n-octylphthalate	149							
74 Benzo(b)fluoranthene	252		25.250	25.251	(0.969)	3466	0.06160	0.06160
75 Benzo(k)fluoranthene	252		25.281	25.297	(0.971)	5304	0.09804	0.09804 (M)
76 Benzo(a)pyrene	252		25.924	25.924	(0.995)	2936	0.06376	0.06376
* 77 Perylene-d12	264		26.048	26.041	(1.000)	124230	4.00000	
78 Indeno(1,2,3-cd)pyrene	276							
79 Dibenzo(a,h)anthracene	278							
80 Benzo(g,h,i)perylene	276							
90 N-Nitrosodimethylamine	74							
91 Aniline	93							
93 Benzidine	184							
103 Pyridine	79							
105 1-methylnaphthalene	142		13.259	13.267	(1.143)	49731	0.20406	0.2041
111 Azobenzene (1,2-DP-Hydrazine)	77							

Compounds	QUANT SIG	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS	
						ON-COLUMN (ug/mL)	FINAL (ug/mL)
187 Total Benzofluoranthenes	252	25.250	25.251	(0.969)	8237	0.15702	0.1570 (M)
120 2,3,4,6-Tetrachlorophenol	232	15.975	15.975	(1.050)	199	0.00469	0.004690

QC Flag Legend

M - Compound response manually integrated.

ARI Labs, Inc.

INTERNAL STANDARD COMPOUNDS
 AREA AND RT SUMMARY

Instrument ID: nt10.i Calibration Date: 30-JUN-2022
 Lab File ID: NT1022063018.D Calibration Time: 14:09
 Lab Smp Id: 22F0267-22
 Analysis Type: SV Level:
 Quant Type: ISTD Sample Type:
 Operator: VTS
 Method File: \\target\share\chem3\nt10.i\20220630.b\ABN.m
 Misc Info:

Test Mode:
 Use Last Continuing Calibrator.

COMPOUND	STANDARD	AREA LIMIT		SAMPLE	%DIFF
		LOWER	UPPER		
8 1,4-Dichlorobenze	207392	103696	414784	285328	37.58
27 Naphthalene-d8	696938	348469	1393876	975244	39.93
42 Acenaphthene-d10	395441	197721	790882	480190	21.43
59 Phenanthrene-d10	603067	301534	1206134	796265	32.04
69 Chrysene-d12	148146	74073	296292	197374	33.23
134 Di-n-octylphthala	308009	154005	616018	371489	20.61
77 Perylene-d12	115550	57775	231100	124230	7.51

COMPOUND	STANDARD	RT LIMIT		SAMPLE	%DIFF
		LOWER	UPPER		
8 1,4-Dichlorobenze	9.12	8.62	9.62	9.11	-0.09
27 Naphthalene-d8	11.60	11.10	12.10	11.60	-0.07
42 Acenaphthene-d10	15.23	14.73	15.73	15.22	-0.05
59 Phenanthrene-d10	18.28	17.78	18.78	18.27	-0.04
69 Chrysene-d12	23.35	22.85	23.85	23.35	-0.03
134 Di-n-octylphthala	24.41	23.91	24.91	24.40	-0.03
77 Perylene-d12	26.04	25.54	26.54	26.05	0.03

AREA UPPER LIMIT = +100% of internal standard area.
 AREA LOWER LIMIT = - 50% of internal standard area.
 RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
 RT LOWER LIMIT = - 0.50 minutes of internal standard RT.

REVIEW SUMMARY FOR FILE - NT1022063018.D

Lab ID: 22F0267-22
nt10.i, ABN.m, 01-JUL-2022 00:35

RT CO-ELUTION COMPOUNDS

NO CO-ELUTIONS

Quant Method: ICAL

RRT CHECK

RRT	CCV	RRT	DELTA	COMPOUND
-----	-----	-----	-------	----------

NONE

RRT check based on Ccal File: NT1022063002.D

On Column LOD for nt10.i, ABN.m, ICAL.sub = 0.0000

* Only compounds listed in the work order have been verified by the analyst *

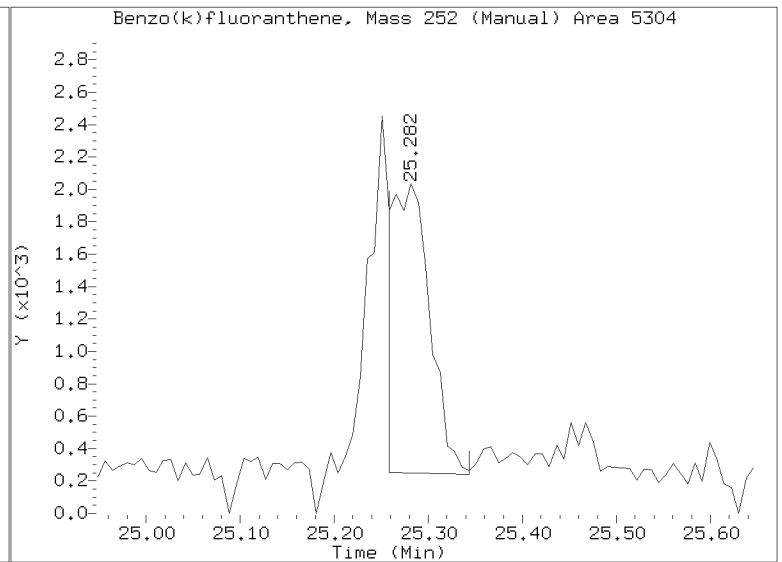
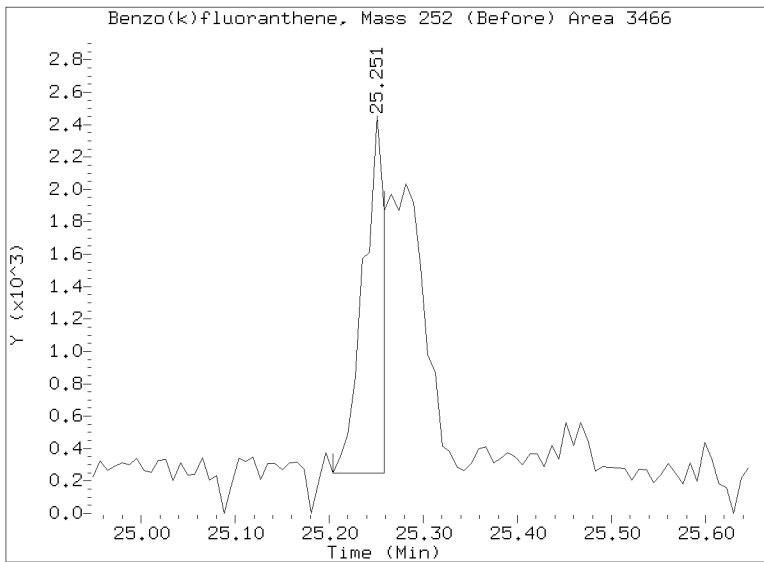
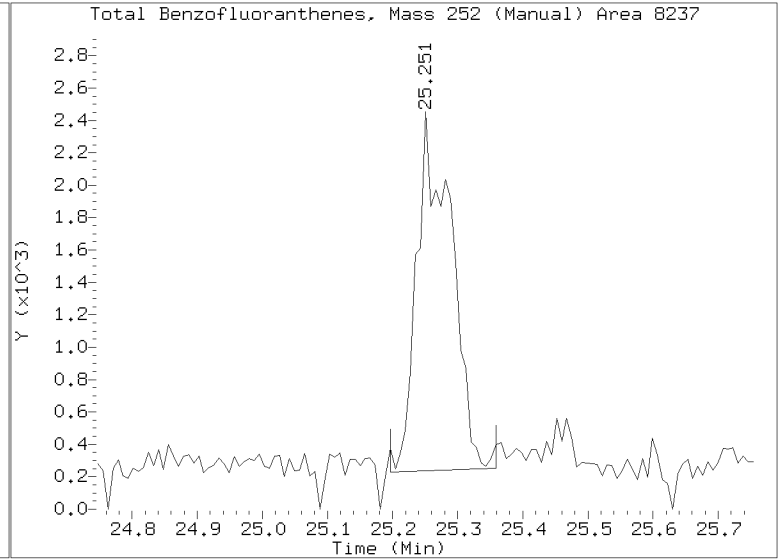
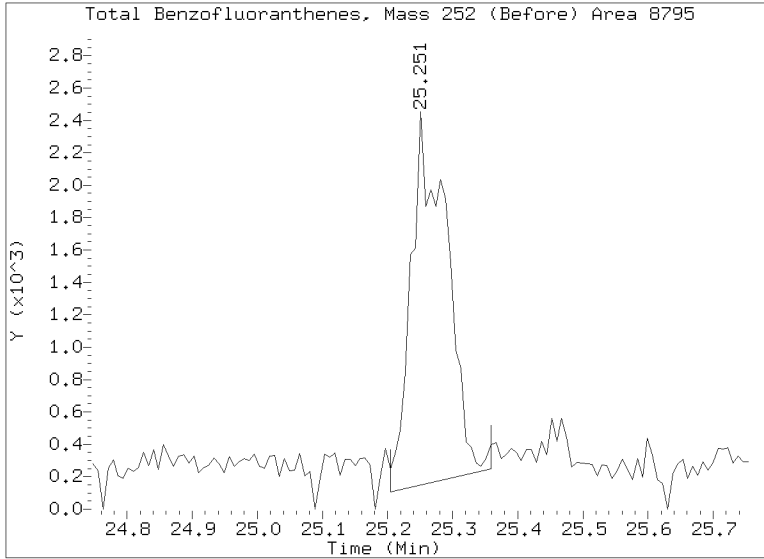
Quant Ion Manual Peak Adjustment Report

Datafile: //target/share/chem3/nt10.i/20220630.b/NT1022063018.D

Injection Date: 01-JUL-2022 00:35

Lab ID: 22F0267-22 Client ID:

Report Date: 07/01/2022 17:15





Form I
ORGANIC ANALYSIS DATA SHEET
EPA 8270E
Semivolatile Organic Compounds (67 ug/kg -1 ug/L)

Laboratory: Analytical Resources, LLC

Client: GeoEngineers

Project: RG Haley Site-Bellingham

Matrix: Water

Laboratory ID: 22F0267-24 C

SDG: 22F0267

Sampled: 06/14/22 11:10

Prepared: 06/20/22 19:17

File ID: NT622062217.D

% Solids:

Preparation: EPA 3520C (Liq Liq)

Analyzed: 06/22/22 20:07

Batch: BKF0450

Sequence: SKF0267

Initial/Final: 500 mL / 0.5 mL

Instrument: NT6

Column: ZB-5MSi

Calibration: FE00035

CAS NO.	COMPOUND	DILUTION	(ug/L)	Q	DL	RL
91-20-3	Naphthalene	1	0.2	U	0.2	1.0
91-57-6	2-Methylnaphthalene	1	0.2	U	0.2	1.0
83-32-9	Acenaphthene	1	0.3	U	0.3	1.0
85-01-8	Phenanthrene	1	0.2	U	0.2	1.0
206-44-0	Fluoranthene	1	0.4	U	0.4	1.0
56-55-3	Benzo(a)anthracene	1	0.4	U	0.4	1.0
218-01-9	Chrysene	1	0.4	U	0.4	1.0
205-99-2	Benzo(b)fluoranthene	1	0.4	U	0.4	1.0
207-08-9	Benzo(k)fluoranthene	1	0.4	U	0.4	1.0
50-32-8	Benzo(a)pyrene	1	0.5	U	0.5	1.0
193-39-5	Indeno(1,2,3-cd)pyrene	1	0.4	U	0.4	1.0
53-70-3	Dibenzo(a,h)anthracene	1	0.4	U	0.4	1.0
90-12-0	1-Methylnaphthalene	1	0.3	U	0.3	1.0

SURROGATES	ADDED:(ug/L)	(ug/L)	% REC	QC LIMITS	Q
2-Fluorophenol	37.500	24.6	65.6	33 - 120	
Phenol-d5	37.500	24.7	66.0	38 - 120	
2-Chlorophenol-d4	37.500	25.5	68.0	41 - 120	
1,2-Dichlorobenzene-d4	25.000	16.2	64.7	20 - 120	
Nitrobenzene-d5	25.000	18.2	73.0	27 - 120	
2-Fluorobiphenyl	25.000	17.7	70.8	33 - 120	
2,4,6-Tribromophenol	37.500	30.8	82.1	52 - 120	
p-Terphenyl-d14	25.000	18.1	72.3	28 - 120	

Data File: \\target\share\chem3\nt6.1\20220622.b\NT622062217.D

Date: 22-JUN-2022 20:07

Client ID:

Sample Info: 22F0267-24

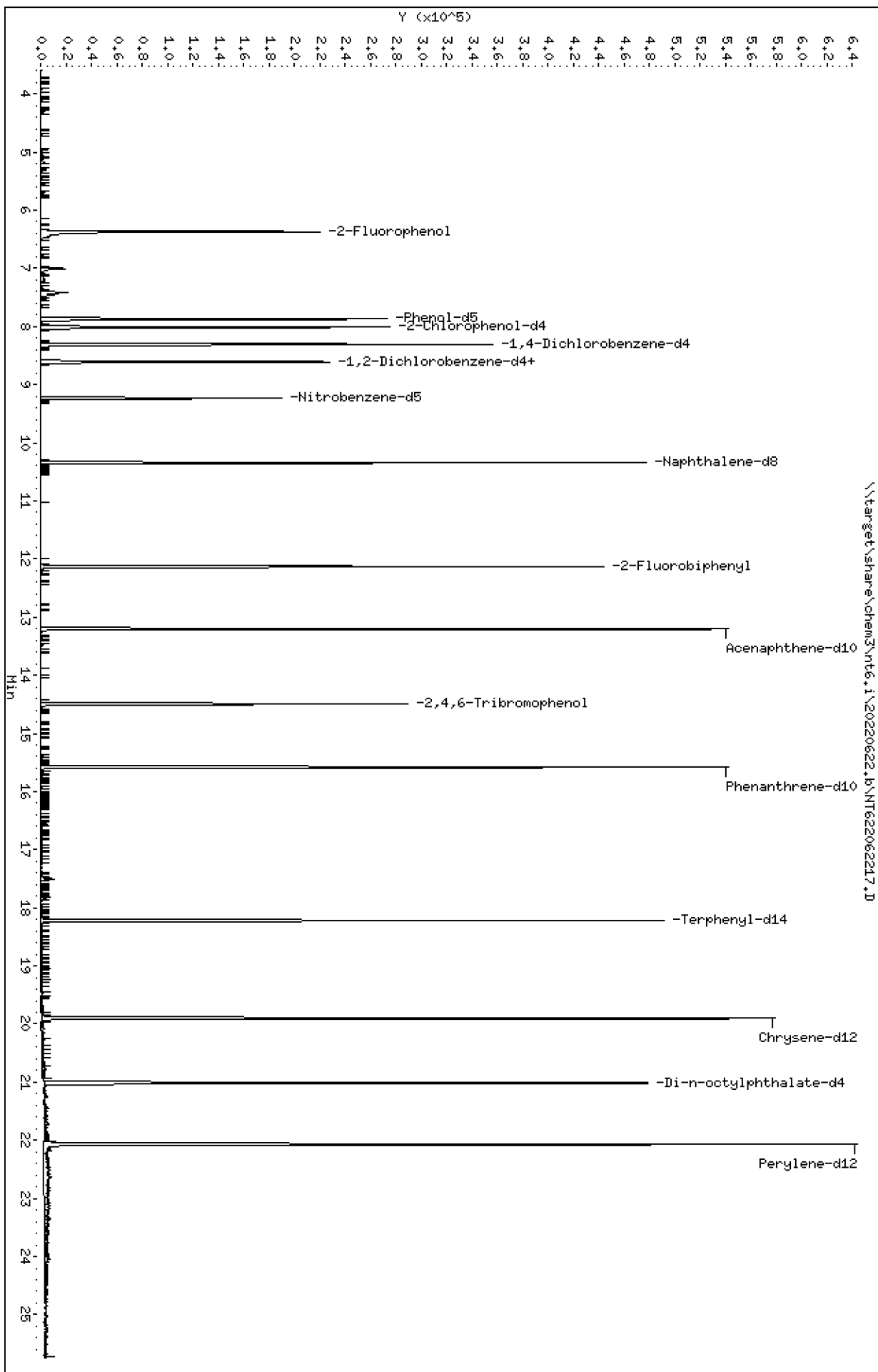
Column phase: ZB-5msi

Instrument: nt6.1

Operator: JZ

Column diameter: 0.32

\\target\share\chem3\nt6.1\20220622.b\NT622062217.D



Date : 22-JUN-2022 20:07

Client ID:

Instrument: nt6.i

Sample Info: 22F0267-24

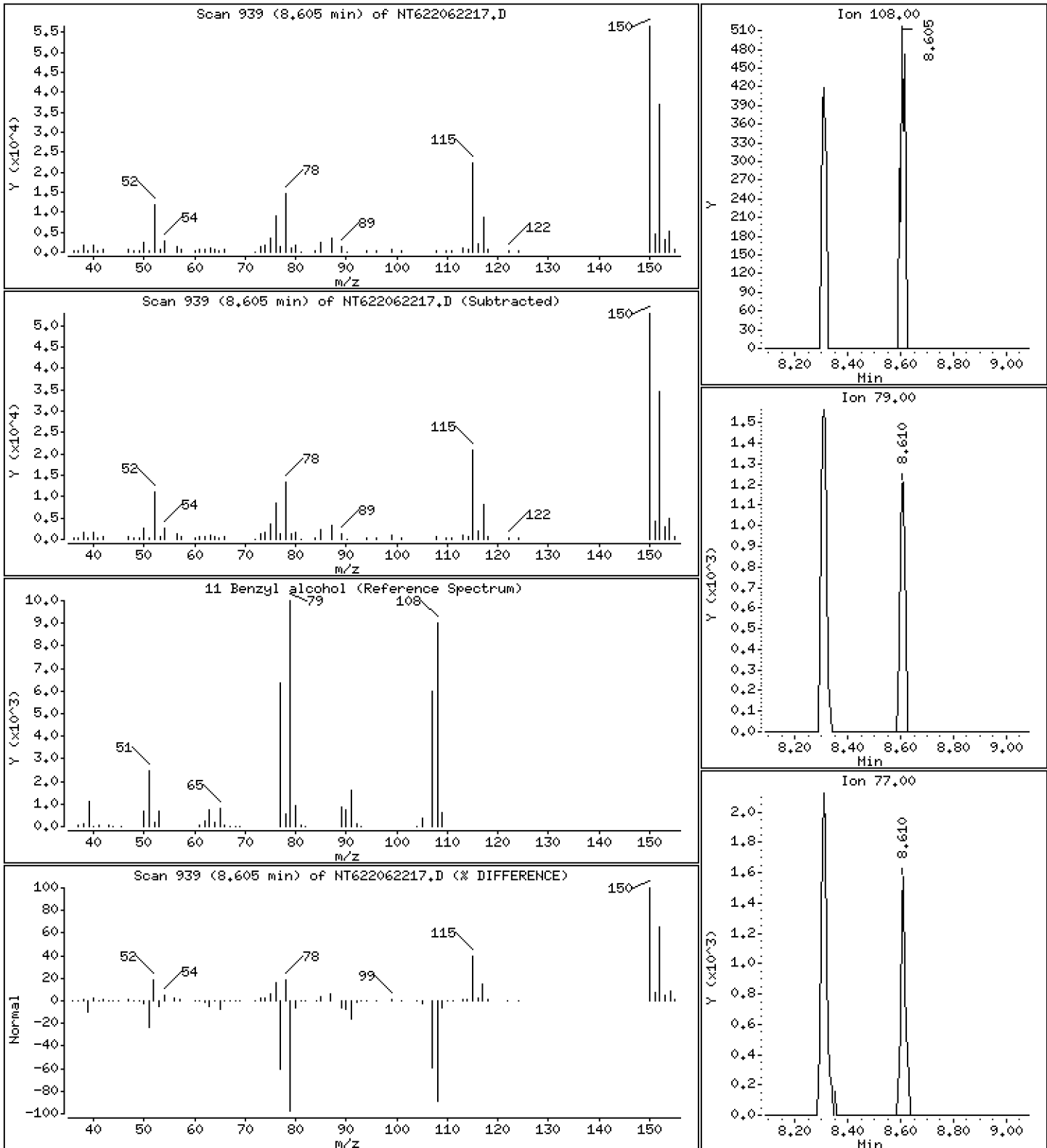
Operator: JZ

Column phase: ZB-5msi

Column diameter: 0.32

11 Benzyl alcohol

Concentration: 0.2222 ug/mL



ARI Labs, Inc.

Semivolatile Report SW846 Method 8270D

Data file : \\target\share\chem3\nt6.i\20220622.b\NT622062217.D
 Lab Smp Id: 22F0267-24
 Inj Date : 22-JUN-2022 20:07
 Operator : JZ Inst ID: nt6.i
 Smp Info : 22F0267-24
 Misc Info : 22-
 Comment : 1ul Injection
 Method : \\target\share\chem3\nt6.i\20220622.b\SW84620220516.m
 Meth Date : 24-Jun-2022 18:07 jianqing Quant Type: ISTD
 Cal Date : 16-MAY-2022 18:52 Cal File: NT622051604.D
 Als bottle: 17
 Dil Factor: 1.00000
 Integrator: HP RTE Compound Sublist: LLM DL.sub
 Target Version: 4.14
 Processing Host: JIANQING-202105

Compounds	QUANT	SIG	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS	
							ON-COLUMN	FINAL
	MASS						(ug/mL)	(ug/mL)
\$ 1 2-Fluorophenol	112		6.367	6.370	(0.766)	117277	24.5940	24.59
\$ 2 Phenol-d5	99		7.873	7.877	(0.947)	134945	24.7386	24.74
3 Phenol	94		Compound Not Detected.					
\$ 5 2-Chlorophenol-d4	132		8.017	8.016	(0.965)	125753	25.5061	25.51
4 Bis(2-Chloroethyl)ether	93		Compound Not Detected.					
6 2-Chlorophenol	128		Compound Not Detected.					
7 1,3-Dichlorobenzene	146		Compound Not Detected.					
* 8 1,4-Dichlorobenzene-d4	152		8.311	8.309	(1.000)	88224	20.0000	
9 1,4-Dichlorobenzene	146		Compound Not Detected.					
\$ 10 1,2-Dichlorobenzene-d4	152		8.610	8.608	(1.036)	57082	16.1777	16.18
12 1,2-Dichlorobenzene	146		Compound Not Detected.					
11 Benzyl alcohol	108		8.604	8.587	(1.035)	658	0.22221	0.2222
14 2,2'-oxybis(1-Chloropropane)	45		Compound Not Detected.					
13 2-Methylphenol	108		Compound Not Detected.					
17 Hexachloroethane	117		Compound Not Detected.					
16 N-Nitroso-di-n-propylamine	70		Compound Not Detected.					
15 4-Methylphenol	108		Compound Not Detected.					
\$ 18 Nitrobenzene-d5	82		9.235	9.239	(0.893)	84563	18.2413	18.24
19 Nitrobenzene	77		Compound Not Detected.					
20 Isophorone	82		Compound Not Detected.					
21 2-Nitrophenol	139		Compound Not Detected.					
22 2,4-Dimethylphenol	107		Compound Not Detected.					
23 Bis(2-Chloroethoxy)methane	93		Compound Not Detected.					
24 Benzoic acid	105		Compound Not Detected.					
25 2,4-Dichlorophenol	162		Compound Not Detected.					
26 1,2,4-Trichlorobenzene	180		Compound Not Detected.					
* 27 Naphthalene-d8	136		10.346	10.350	(1.000)	301892	20.0000	
28 Naphthalene	128		Compound Not Detected.					
29 4-Chloroaniline	127		Compound Not Detected.					
30 Hexachlorobutadiene	225		Compound Not Detected.					
31 4-Chloro-3-methylphenol	107		Compound Not Detected.					
32 2-Methylnaphthalene	141		Compound Not Detected.					
33 Hexachlorocyclopentadiene	237		Compound Not Detected.					

Compounds	QUANT	SIG	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS	
							ON-COLUMN (ug/mL)	FINAL (ug/mL)
=====	=====	=====	=====	=====	=====	=====	=====	=====
34 2,4,6-Trichlorophenol	196							
35 2,4,5-Trichlorophenol	196							
\$ 36 2-Fluorobiphenyl	172		12.130	12.133	(0.919)	204597	17.6988	17.70
37 2-Chloronaphthalene	162							
38 2-Nitroaniline	65							
39 Dimethylphthalate	163							
40 Acenaphthylene	152							
41 2,6-Dinitrotoluene	165							
* 42 Acenaphthene-d10	164		13.203	13.207	(1.000)	190025	20.0000	
43 3-Nitroaniline	138							
44 Acenaphthene	153							
45 2,4-Dinitrophenol	184							
46 Dibenzofuran	168							
47 4-Nitrophenol	109							
48 2,4-Dinitrotoluene	165							
50 Diethylphthalate	149							
49 Fluorene	166							
51 4-Chlorophenyl-phenylether	204							
52 4-Nitroaniline	138							
53 4,6-Dinitro-2-methylphenol	198							
54 N-Nitrosodiphenylamine	169							
\$ 55 2,4,6-Tribromophenol	330		14.496	14.500	(1.098)	49787	30.7921	30.79
56 4-Bromophenyl-phenylether	248							
57 Hexachlorobenzene	284							
58 Pentachlorophenol	266							
* 59 Phenanthrene-d10	188		15.580	15.584	(1.000)	333227	20.0000	
60 Phenanthrene	178							
61 Anthracene	178							
62 Carbazole	167							
63 Di-n-butylphthalate	149							
64 Fluoranthene	202							
65 Pyrene	202							
\$ 66 Terphenyl-d14	244		18.218	18.222	(0.915)	286600	18.0667	18.07
67 Butylbenzylphthalate	149							
68 Benzo(a)anthracene	228							
* 69 Chrysene-d12	240		19.901	19.905	(1.000)	333688	20.0000	
70 3,3'-Dichlorobenzidine	252							
71 Chrysene	228							
72 bis(2-Ethylhexyl)phthalate	149							
* 134 Di-n-octylphthalate-d4	153		21.017	21.021	(1.000)	426742	20.0000	
73 Di-n-octylphthalate	149							
74 Benzo(b)fluoranthene	252							
75 Benzo(k)fluoranthene	252							
76 Benzo(a)pyrene	252							
* 77 Perylene-d12	264		22.069	22.068	(1.000)	378379	20.0000	
78 Indeno(1,2,3-cd)pyrene	276							
79 Dibenzo(a,h)anthracene	278							
80 Benzo(g,h,i)perylene	276							
90 N-Nitrosodimethylamine	74							
103 Pyridine	79							
105 1-methylnaphthalene	141							
111 Azobenzene (1,2-DP-Hydrazine)	77							
187 Total Benzofluoranthenes	252							
144 alpha-Terpineol	59							

Compounds	QUANT	SIG					CONCENTRATIONS	
	MASS		RT	EXP RT	REL RT	RESPONSE	ON-COLUMN	FINAL
=====	=====		=====	=====	=====	=====	(ug/mL)	(ug/mL)
							=====	=====

ARI Labs, Inc.

INTERNAL STANDARD COMPOUNDS
 AREA AND RT SUMMARY

Instrument ID: nt6.i Calibration Date: 22-JUN-2022
 Lab File ID: NT622062217.D Calibration Time: 10:58
 Lab Smp Id: 22F0267-24
 Analysis Type: SV Level:
 Quant Type: ISTD Sample Type:
 Operator: JZ
 Method File: \\target\share\chem3\nt6.i\20220622.b\SW84620220516.m
 Misc Info: 22-

Test Mode:
 Use Last Continuing Calibrator.

COMPOUND	STANDARD	AREA LIMIT		SAMPLE	%DIFF
		LOWER	UPPER		
8 1,4-Dichlorobenze	56102	28051	112204	88224	57.26
27 Naphthalene-d8	190364	95182	380728	301892	58.59
42 Acenaphthene-d10	122124	61062	244248	190025	55.60
59 Phenanthrene-d10	231281	115641	462562	333227	44.08
69 Chrysene-d12	202750	101375	405500	333688	64.58
134 Di-n-octylphthala	284466	142233	568932	426742	50.02
77 Perylene-d12	214859	107430	429718	378379	76.11

COMPOUND	STANDARD	RT LIMIT		SAMPLE	%DIFF
		LOWER	UPPER		
8 1,4-Dichlorobenze	8.31	7.81	8.81	8.31	0.02
27 Naphthalene-d8	10.35	9.85	10.85	10.35	-0.04
42 Acenaphthene-d10	13.21	12.71	13.71	13.20	-0.03
59 Phenanthrene-d10	15.58	15.08	16.08	15.58	-0.03
69 Chrysene-d12	19.91	19.41	20.41	19.90	-0.02
134 Di-n-octylphthala	21.02	20.52	21.52	21.02	-0.02
77 Perylene-d12	22.07	21.57	22.57	22.07	0.01

AREA UPPER LIMIT = +100% of internal standard area.
 AREA LOWER LIMIT = - 50% of internal standard area.
 RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
 RT LOWER LIMIT = - 0.50 minutes of internal standard RT.

REVIEW SUMMARY FOR FILE - NT622062217.D

Lab ID: 22F0267-24
nt6.i, SW84620220516.m, 22-JUN-2022 20:07

RT CO-ELUTION COMPOUNDS

NO CO-ELUTIONS

Quant Method: ICAL

No RRT check performed

On Column LOD for nt6.i, SW84620220516.m, LLMDL.sub = 0.2000

* Only compounds listed in the work order have been verified by the analyst *



Form I
ORGANIC ANALYSIS DATA SHEET
EPA 8270E
Semivolatile Organic Compounds (67 ug/kg -1 ug/L)

Laboratory: Analytical Resources, LLC

Client: GeoEngineers

Project: RG Haley Site-Bellingham

Matrix: Water

Laboratory ID: 22F0267-25 C

SDG: 22F0267

Sampled: 06/14/22 11:50

Prepared: 06/20/22 19:17

File ID: NT622062218.D

% Solids:

Preparation: EPA 3520C (Liq Liq)

Analyzed: 06/22/22 20:40

Batch: BKF0450

Sequence: SKF0267

Initial/Final: 500 mL / 0.5 mL

Instrument: NT6

Column: ZB-5MSi

Calibration: FE00035

CAS NO.	COMPOUND	DILUTION	(ug/L)	Q	DL	RL
91-20-3	Naphthalene	1	0.2	U	0.2	1.0
91-57-6	2-Methylnaphthalene	1	0.2	U	0.2	1.0
83-32-9	Acenaphthene	1	0.3	U	0.3	1.0
85-01-8	Phenanthrene	1	0.2	U	0.2	1.0
206-44-0	Fluoranthene	1	0.4	U	0.4	1.0
56-55-3	Benzo(a)anthracene	1	0.4	U	0.4	1.0
218-01-9	Chrysene	1	0.4	U	0.4	1.0
205-99-2	Benzo(b)fluoranthene	1	0.4	U	0.4	1.0
207-08-9	Benzo(k)fluoranthene	1	0.4	U	0.4	1.0
50-32-8	Benzo(a)pyrene	1	0.5	U	0.5	1.0
193-39-5	Indeno(1,2,3-cd)pyrene	1	0.4	U	0.4	1.0
53-70-3	Dibenzo(a,h)anthracene	1	0.4	U	0.4	1.0
90-12-0	1-Methylnaphthalene	1	0.3	U	0.3	1.0

SURROGATES	ADDED:(ug/L)	(ug/L)	% REC	QC LIMITS	Q
2-Fluorophenol	37.500	26.6	70.9	33 - 120	
Phenol-d5	37.500	26.5	70.6	38 - 120	
2-Chlorophenol-d4	37.500	28.2	75.2	41 - 120	
1,2-Dichlorobenzene-d4	25.000	17.6	70.4	20 - 120	
Nitrobenzene-d5	25.000	20.0	79.8	27 - 120	
2-Fluorobiphenyl	25.000	18.6	74.3	33 - 120	
2,4,6-Tribromophenol	37.500	31.6	84.4	52 - 120	
p-Terphenyl-d14	25.000	14.2	56.9	28 - 120	

Data File: \\target\share\chem3\nt6.1\20220622.B\NT622062218.D

Date: 22-JUN-2022 20:40

Client ID:

Sample Info: 22F0267-25

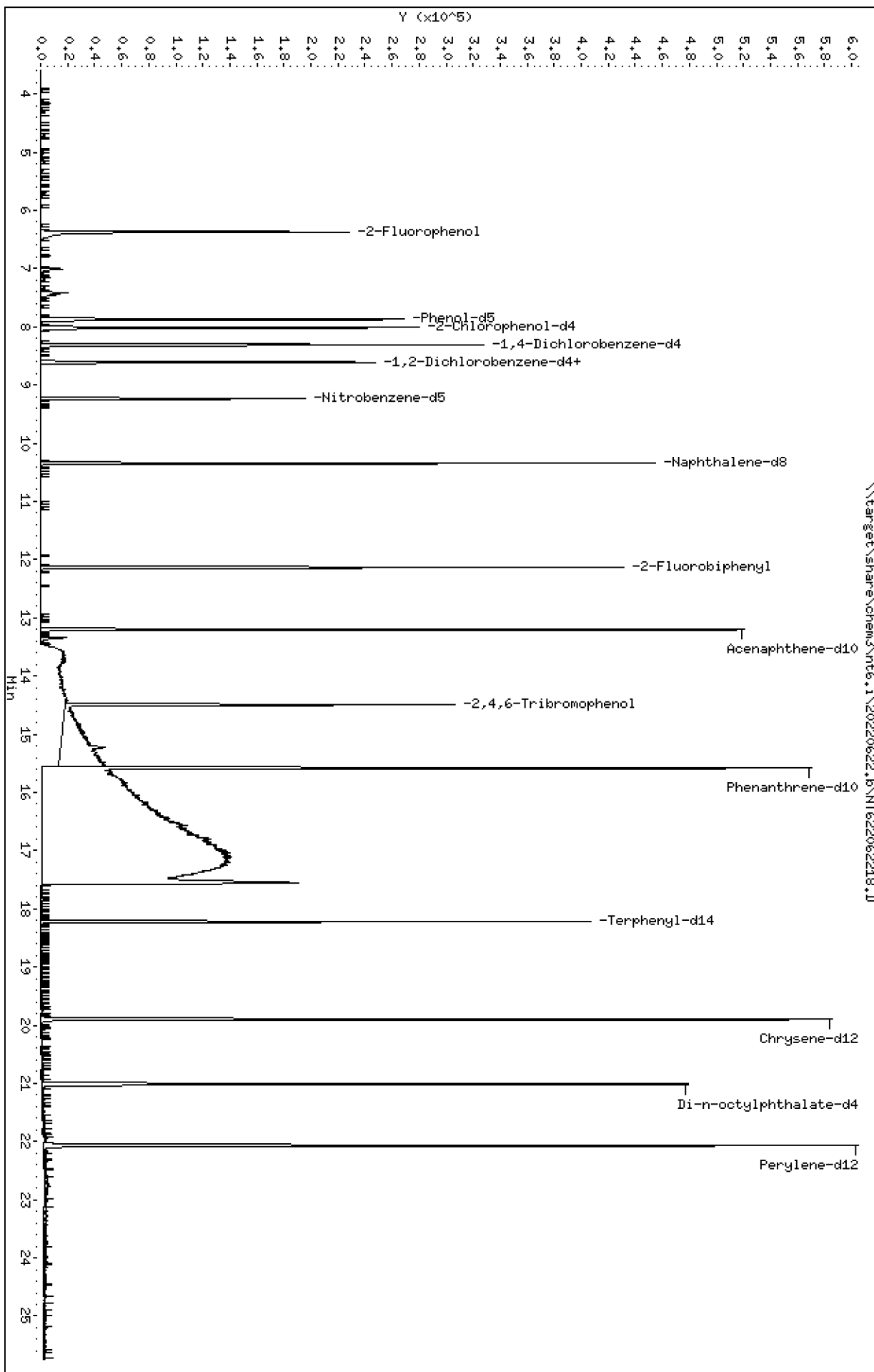
Column phase: ZB-5msi

Instrument: nt6.1

Operator: JZ

Column diameter: 0.32

\\target\share\chem3\nt6.1\20220622.B\NT622062218.D



Date : 22-JUN-2022 20:40

Client ID:

Instrument: nt6.i

Sample Info: 22F0267-25

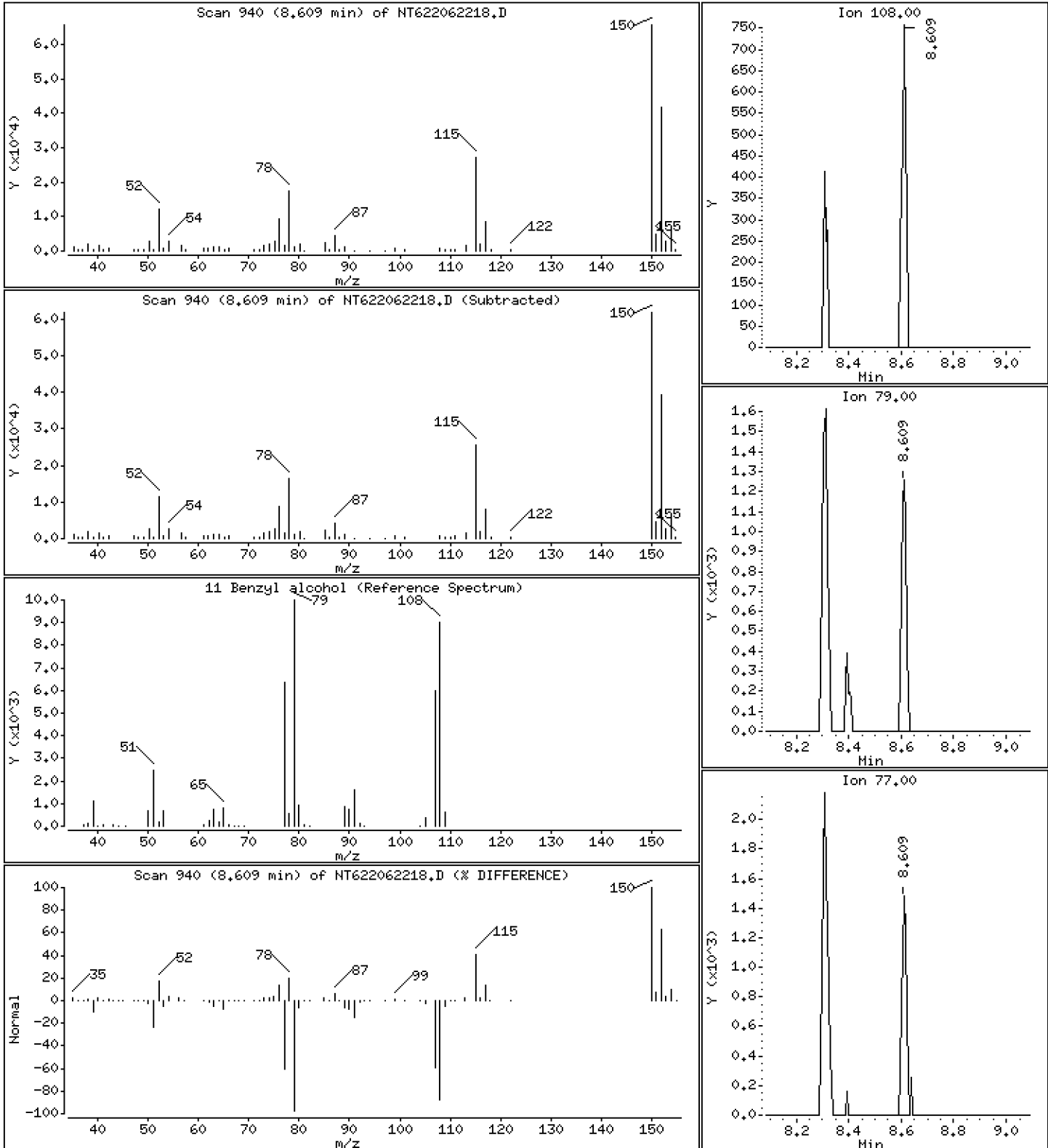
Operator: JZ

Column phase: ZB-5msi

Column diameter: 0.32

11 Benzyl alcohol

Concentration: 0.3014 ug/mL



ARI Labs, Inc.

Semivolatile Report SW846 Method 8270D

Data file : \\target\share\chem3\nt6.i\20220622.b\NT622062218.D
 Lab Smp Id: 22F0267-25
 Inj Date : 22-JUN-2022 20:40
 Operator : JZ Inst ID: nt6.i
 Smp Info : 22F0267-25
 Misc Info : 22-
 Comment : 1ul Injection
 Method : \\target\share\chem3\nt6.i\20220622.b\SW84620220516.m
 Meth Date : 24-Jun-2022 18:07 jianqing Quant Type: ISTD
 Cal Date : 16-MAY-2022 18:52 Cal File: NT622051604.D
 Als bottle: 18
 Dil Factor: 1.00000
 Integrator: HP RTE Compound Sublist: LLM DL.sub
 Target Version: 4.14
 Processing Host: JIANQING-202105

Compounds	QUANT	SIG	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS	
							ON-COLUMN	FINAL
	MASS						(ug/mL)	(ug/mL)
\$ 1 2-Fluorophenol	112		6.371	6.370	(0.767)	120213	26.5946	26.59
\$ 2 Phenol-d5	99		7.872	7.877	(0.947)	136855	26.4669	26.47
3 Phenol	94		Compound Not Detected.					
\$ 5 2-Chlorophenol-d4	132		8.016	8.016	(0.965)	131805	28.2022	28.20
4 Bis(2-Chloroethyl)ether	93		Compound Not Detected.					
6 2-Chlorophenol	128		Compound Not Detected.					
7 1,3-Dichlorobenzene	146		Compound Not Detected.					
* 8 1,4-Dichlorobenzene-d4	152		8.310	8.309	(1.000)	83630	20.0000	
9 1,4-Dichlorobenzene	146		Compound Not Detected.					
\$ 10 1,2-Dichlorobenzene-d4	152		8.609	8.608	(1.036)	58876	17.6027	17.60
12 1,2-Dichlorobenzene	146		Compound Not Detected.					
11 Benzyl alcohol	108		8.609	8.587	(1.036)	846	0.30139	0.3014
14 2,2'-oxybis(1-Chloropropane)	45		Compound Not Detected.					
13 2-Methylphenol	108		Compound Not Detected.					
17 Hexachloroethane	117		Compound Not Detected.					
16 N-Nitroso-di-n-propylamine	70		Compound Not Detected.					
15 4-Methylphenol	108		Compound Not Detected.					
\$ 18 Nitrobenzene-d5	82		9.234	9.239	(0.893)	88075	19.9541	19.95
19 Nitrobenzene	77		Compound Not Detected.					
20 Isophorone	82		Compound Not Detected.					
21 2-Nitrophenol	139		Compound Not Detected.					
22 2,4-Dimethylphenol	107		Compound Not Detected.					
23 Bis(2-Chloroethoxy)methane	93		Compound Not Detected.					
24 Benzoic acid	105		Compound Not Detected.					
25 2,4-Dichlorophenol	162		Compound Not Detected.					
26 1,2,4-Trichlorobenzene	180		Compound Not Detected.					
* 27 Naphthalene-d8	136		10.344	10.350	(1.000)	287440	20.0000	
28 Naphthalene	128		Compound Not Detected.					
29 4-Chloroaniline	127		Compound Not Detected.					
30 Hexachlorobutadiene	225		Compound Not Detected.					
31 4-Chloro-3-methylphenol	107		Compound Not Detected.					
32 2-Methylnaphthalene	141		Compound Not Detected.					
33 Hexachlorocyclopentadiene	237		Compound Not Detected.					

Compounds	QUANT	SIG	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS	
							ON-COLUMN (ug/mL)	FINAL (ug/mL)
34 2,4,6-Trichlorophenol	196							
35 2,4,5-Trichlorophenol	196							
\$ 36 2-Fluorobiphenyl	172		12.134	12.133	(0.919)	206038	18.5797	18.58
37 2-Chloronaphthalene	162							
38 2-Nitroaniline	65							
39 Dimethylphthalate	163							
40 Acenaphthylene	152							
41 2,6-Dinitrotoluene	165							
* 42 Acenaphthene-d10	164		13.202	13.207	(1.000)	182291	20.0000	
43 3-Nitroaniline	138							
44 Acenaphthene	153							
45 2,4-Dinitrophenol	184							
46 Dibenzofuran	168							
47 4-Nitrophenol	109							
48 2,4-Dinitrotoluene	165							
50 Diethylphthalate	149							
49 Fluorene	166							
51 4-Chlorophenyl-phenylether	204							
52 4-Nitroaniline	138							
53 4,6-Dinitro-2-methylphenol	198							
54 N-Nitrosodiphenylamine	169							
\$ 55 2,4,6-Tribromophenol	330		14.495	14.500	(1.098)	49086	31.6466	31.65
56 4-Bromophenyl-phenylether	248							
57 Hexachlorobenzene	284							
58 Pentachlorophenol	266							
* 59 Phenanthrene-d10	188		15.584	15.584	(1.000)	325500	20.0000	
60 Phenanthrene	178							
61 Anthracene	178							
62 Carbazole	167							
63 Di-n-butylphthalate	149							
64 Fluoranthene	202							
65 Pyrene	202							
\$ 66 Terphenyl-d14	244		18.223	18.222	(0.916)	225655	14.2138	14.21
67 Butylbenzylphthalate	149							
68 Benzo(a)anthracene	228							
* 69 Chrysene-d12	240		19.900	19.905	(1.000)	333947	20.0000	
70 3,3'-Dichlorobenzidine	252							
71 Chrysene	228							
72 bis(2-Ethylhexyl)phthalate	149							
* 134 Di-n-octylphthalate-d4	153		21.011	21.021	(1.000)	428756	20.0000	
73 Di-n-octylphthalate	149							
74 Benzo(b)fluoranthene	252							
75 Benzo(k)fluoranthene	252							
76 Benzo(a)pyrene	252							
* 77 Perylene-d12	264		22.068	22.068	(1.000)	374205	20.0000	
78 Indeno(1,2,3-cd)pyrene	276							
79 Dibenzo(a,h)anthracene	278							
80 Benzo(g,h,i)perylene	276							
90 N-Nitrosodimethylamine	74							
103 Pyridine	79							
105 1-methylnaphthalene	141							
111 Azobenzene (1,2-DP-Hydrazine)	77							
187 Total Benzofluoranthenes	252							
144 alpha-Terpineol	59							

Compounds	QUANT SIG	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS	
	MASS					ON-COLUMN	FINAL
=====	=====	=====	=====	=====	=====	=====	

ARI Labs, Inc.

INTERNAL STANDARD COMPOUNDS
 AREA AND RT SUMMARY

Instrument ID: nt6.i Calibration Date: 22-JUN-2022
 Lab File ID: NT622062218.D Calibration Time: 10:58
 Lab Smp Id: 22F0267-25
 Analysis Type: SV Level:
 Quant Type: ISTD Sample Type:
 Operator: JZ
 Method File: \\target\share\chem3\nt6.i\20220622.b\SW84620220516.m
 Misc Info: 22-

Test Mode:
 Use Last Continuing Calibrator.

COMPOUND	STANDARD	AREA LIMIT		SAMPLE	%DIFF
		LOWER	UPPER		
8 1,4-Dichlorobenze	56102	28051	112204	83630	49.07
27 Naphthalene-d8	190364	95182	380728	287440	50.99
42 Acenaphthene-d10	122124	61062	244248	182291	49.27
59 Phenanthrene-d10	231281	115641	462562	325500	40.74
69 Chrysene-d12	202750	101375	405500	333947	64.71
134 Di-n-octylphthala	284466	142233	568932	428756	50.72
77 Perylene-d12	214859	107430	429718	374205	74.16

COMPOUND	STANDARD	RT LIMIT		SAMPLE	%DIFF
		LOWER	UPPER		
8 1,4-Dichlorobenze	8.31	7.81	8.81	8.31	0.00
27 Naphthalene-d8	10.35	9.85	10.85	10.34	-0.05
42 Acenaphthene-d10	13.21	12.71	13.71	13.20	-0.04
59 Phenanthrene-d10	15.58	15.08	16.08	15.58	0.00
69 Chrysene-d12	19.91	19.41	20.41	19.90	-0.03
134 Di-n-octylphthala	21.02	20.52	21.52	21.01	-0.05
77 Perylene-d12	22.07	21.57	22.57	22.07	0.00

AREA UPPER LIMIT = +100% of internal standard area.
 AREA LOWER LIMIT = - 50% of internal standard area.
 RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
 RT LOWER LIMIT = - 0.50 minutes of internal standard RT.

REVIEW SUMMARY FOR FILE - NT622062218.D

Lab ID: 22F0267-25
nt6.i, SW84620220516.m, 22-JUN-2022 20:40

RT	CO-ELUTION COMPOUNDS
8.609	1,2-Dichlorobenzene-d4 and Benzyl alcohol

Quant Method: ICAL

No RRT check performed

On Column LOD for nt6.i, SW84620220516.m, LLMDL.sub = 0.2000

* Only compounds listed in the work order have been verified by the analyst *



Form I
ORGANIC ANALYSIS DATA SHEET
EPA 8270E
Semivolatile Organic Compounds (67 ug/kg -1 ug/L)

Laboratory: Analytical Resources, LLC

Client: GeoEngineers

Project: RG Haley Site-Bellingham

Matrix: Water

Laboratory ID: 22F0267-26 C

SDG: 22F0267

Sampled: 06/15/22 09:40

Prepared: 06/20/22 19:17

File ID: NT622062219.D

% Solids:

Preparation: EPA 3520C (Liq Liq)

Analyzed: 06/22/22 21:14

Batch: BKF0450

Sequence: SKF0267

Initial/Final: 500 mL / 0.5 mL

Instrument: NT6

Column: ZB-5MSi

Calibration: FE00035

CAS NO.	COMPOUND	DILUTION	(ug/L)	Q	DL	RL
91-20-3	Naphthalene	1	0.2	U	0.2	1.0
91-57-6	2-Methylnaphthalene	1	0.2	U	0.2	1.0
83-32-9	Acenaphthene	1	0.3	U	0.3	1.0
85-01-8	Phenanthrene	1	0.2	U	0.2	1.0
206-44-0	Fluoranthene	1	0.4	U	0.4	1.0
56-55-3	Benzo(a)anthracene	1	0.4	U	0.4	1.0
218-01-9	Chrysene	1	0.4	U	0.4	1.0
205-99-2	Benzo(b)fluoranthene	1	0.4	U	0.4	1.0
207-08-9	Benzo(k)fluoranthene	1	0.4	U	0.4	1.0
50-32-8	Benzo(a)pyrene	1	0.5	U	0.5	1.0
193-39-5	Indeno(1,2,3-cd)pyrene	1	0.4	U	0.4	1.0
53-70-3	Dibenzo(a,h)anthracene	1	0.4	U	0.4	1.0
90-12-0	1-Methylnaphthalene	1	0.3	U	0.3	1.0

SURROGATES	ADDED:(ug/L)	(ug/L)	% REC	QC LIMITS	Q
2-Fluorophenol	37.500	27.3	72.9	33 - 120	
Phenol-d5	37.500	27.3	72.7	38 - 120	
2-Chlorophenol-d4	37.500	28.2	75.2	41 - 120	
1,2-Dichlorobenzene-d4	25.000	16.9	67.4	20 - 120	
Nitrobenzene-d5	25.000	19.5	77.9	27 - 120	
2-Fluorobiphenyl	25.000	18.1	72.4	33 - 120	
2,4,6-Tribromophenol	37.500	31.2	83.1	52 - 120	
p-Terphenyl-d14	25.000	17.2	68.6	28 - 120	

Data File: \\target\share\chem3\nt6.1\20220622.B\NT622062219.D

Date: 22-JUN-2022 21:14

Client ID:

Sample Info: 22F0267-26

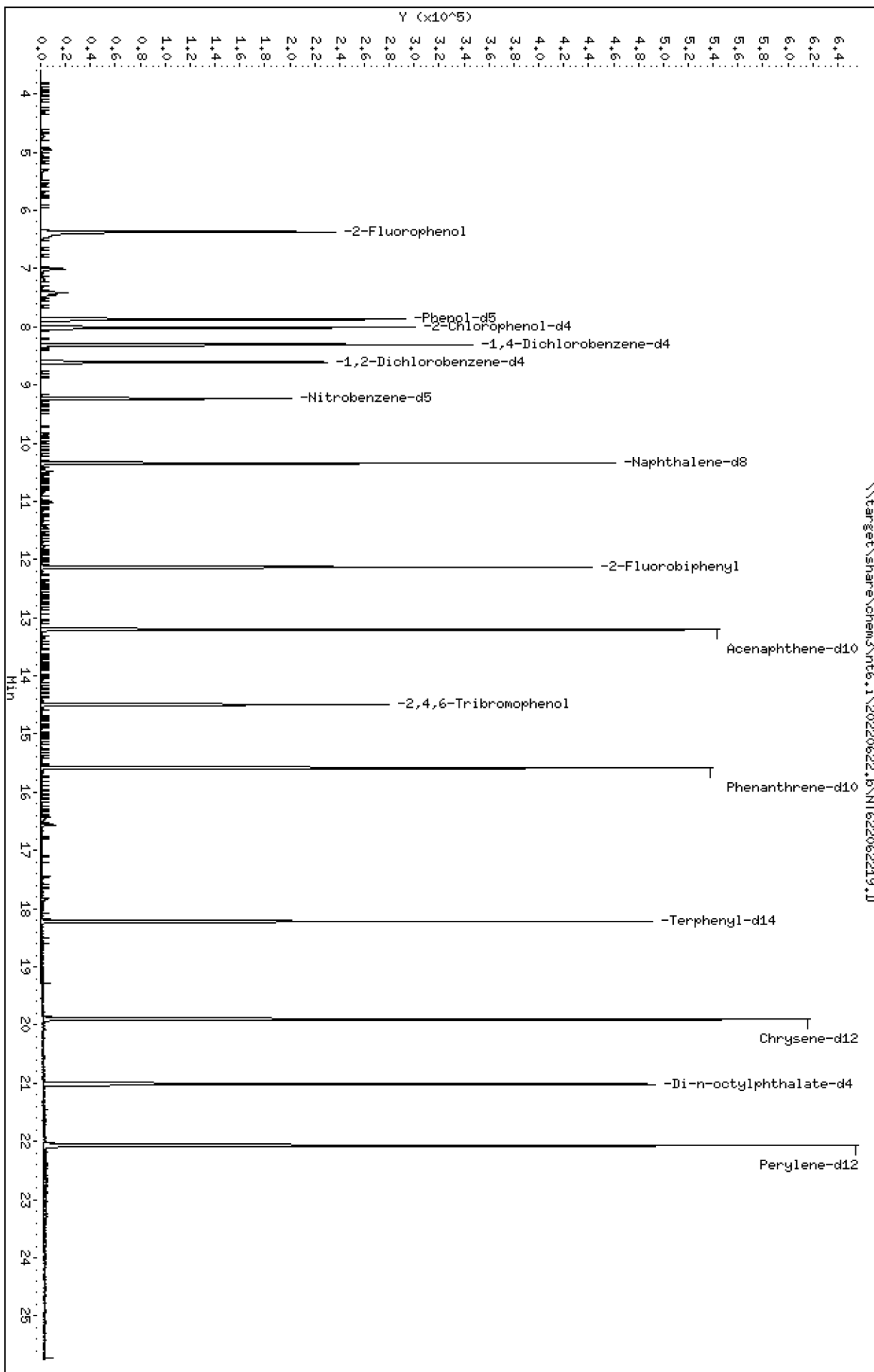
Column phase: ZB-5msi

Instrument: nt6.1

Operator: JZ

Column diameter: 0.32

\\target\share\chem3\nt6.1\20220622.B\NT622062219.D



ARI Labs, Inc.

Semivolatile Report SW846 Method 8270D

Data file : \\target\share\chem3\nt6.i\20220622.b\NT622062219.D
 Lab Smp Id: 22F0267-26
 Inj Date : 22-JUN-2022 21:14
 Operator : JZ Inst ID: nt6.i
 Smp Info : 22F0267-26
 Misc Info : 22-
 Comment : 1ul Injection
 Method : \\target\share\chem3\nt6.i\20220622.b\SW84620220516.m
 Meth Date : 24-Jun-2022 18:07 jianqing Quant Type: ISTD
 Cal Date : 16-MAY-2022 18:52 Cal File: NT622051604.D
 Als bottle: 19
 Dil Factor: 1.00000
 Integrator: HP RTE Compound Sublist: LLM DL.sub
 Target Version: 4.14
 Processing Host: JIANQING-202105

Compounds	QUANT	SIG	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS	
							ON-COLUMN	FINAL
	MASS						(ug/mL)	(ug/mL)
\$ 1 2-Fluorophenol	112		6.372	6.370	(0.767)	127364	27.3264	27.33
\$ 2 Phenol-d5	99		7.873	7.877	(0.947)	145403	27.2716	27.27
3 Phenol	94		Compound Not Detected.					
\$ 5 2-Chlorophenol-d4	132		8.012	8.016	(0.964)	135957	28.2128	28.21
4 Bis(2-Chloroethyl)ether	93		Compound Not Detected.					
6 2-Chlorophenol	128		Compound Not Detected.					
7 1,3-Dichlorobenzene	146		Compound Not Detected.					
* 8 1,4-Dichlorobenzene-d4	152		8.311	8.309	(1.000)	86232	20.0000	
9 1,4-Dichlorobenzene	146		Compound Not Detected.					
\$ 10 1,2-Dichlorobenzene-d4	152		8.610	8.608	(1.036)	58132	16.8558	16.86
12 1,2-Dichlorobenzene	146		Compound Not Detected.					
11 Benzyl alcohol	108		Compound Not Detected.					
14 2,2'-oxybis(1-Chloropropane)	45		Compound Not Detected.					
13 2-Methylphenol	108		Compound Not Detected.					
17 Hexachloroethane	117		Compound Not Detected.					
16 N-Nitroso-di-n-propylamine	70		Compound Not Detected.					
15 4-Methylphenol	108		Compound Not Detected.					
\$ 18 Nitrobenzene-d5	82		9.235	9.239	(0.893)	89657	19.4785	19.48
19 Nitrobenzene	77		Compound Not Detected.					
20 Isophorone	82		Compound Not Detected.					
21 2-Nitrophenol	139		Compound Not Detected.					
22 2,4-Dimethylphenol	107		Compound Not Detected.					
23 Bis(2-Chloroethoxy)methane	93		Compound Not Detected.					
24 Benzoic acid	105		Compound Not Detected.					
25 2,4-Dichlorophenol	162		Compound Not Detected.					
26 1,2,4-Trichlorobenzene	180		Compound Not Detected.					
* 27 Naphthalene-d8	136		10.346	10.350	(1.000)	299747	20.0000	
28 Naphthalene	128		Compound Not Detected.					
29 4-Chloroaniline	127		Compound Not Detected.					
30 Hexachlorobutadiene	225		Compound Not Detected.					
31 4-Chloro-3-methylphenol	107		Compound Not Detected.					
32 2-Methylnaphthalene	141		Compound Not Detected.					
33 Hexachlorocyclopentadiene	237		Compound Not Detected.					

Compounds	QUANT MASS	SIG	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS	
							ON-COLUMN (ug/mL)	FINAL (ug/mL)
34 2,4,6-Trichlorophenol	196							
35 2,4,5-Trichlorophenol	196							
\$ 36 2-Fluorobiphenyl	172		12.130	12.133	(0.919)	203734	18.1030	18.10
37 2-Chloronaphthalene	162							
38 2-Nitroaniline	65							
39 Dimethylphthalate	163							
40 Acenaphthylene	152							
41 2,6-Dinitrotoluene	165							
* 42 Acenaphthene-d10	164		13.204	13.207	(1.000)	184999	20.0000	
43 3-Nitroaniline	138							
44 Acenaphthene	153							
45 2,4-Dinitrophenol	184							
46 Dibenzofuran	168							
47 4-Nitrophenol	109							
48 2,4-Dinitrotoluene	165							
50 Diethylphthalate	149							
49 Fluorene	166							
51 4-Chlorophenyl-phenylether	204							
52 4-Nitroaniline	138							
53 4,6-Dinitro-2-methylphenol	198							
54 N-Nitrosodiphenylamine	169							
\$ 55 2,4,6-Tribromophenol	330		14.496	14.500	(1.098)	49077	31.1776	31.18
56 4-Bromophenyl-phenylether	248							
57 Hexachlorobenzene	284							
58 Pentachlorophenol	266							
* 59 Phenanthrene-d10	188		15.580	15.584	(1.000)	329901	20.0000	
60 Phenanthrene	178							
61 Anthracene	178							
62 Carbazole	167							
63 Di-n-butylphthalate	149							
64 Fluoranthene	202							
65 Pyrene	202							
\$ 66 Terphenyl-d14	244		18.219	18.222	(0.915)	276869	17.1554	17.16
67 Butylbenzylphthalate	149							
68 Benzo(a)anthracene	228							
* 69 Chrysene-d12	240		19.901	19.905	(1.000)	339482	20.0000	
70 3,3'-Dichlorobenzidine	252							
71 Chrysene	228							
72 bis(2-Ethylhexyl)phthalate	149							
* 134 Di-n-octylphthalate-d4	153		21.018	21.021	(1.000)	433132	20.0000	
73 Di-n-octylphthalate	149							
74 Benzo(b)fluoranthene	252							
75 Benzo(k)fluoranthene	252							
76 Benzo(a)pyrene	252							
* 77 Perylene-d12	264		22.070	22.068	(1.000)	383753	20.0000	
78 Indeno(1,2,3-cd)pyrene	276							
79 Dibenzo(a,h)anthracene	278							
80 Benzo(g,h,i)perylene	276							
90 N-Nitrosodimethylamine	74							
103 Pyridine	79							
105 1-methylnaphthalene	141							
111 Azobenzene (1,2-DP-Hydrazine)	77							
187 Total Benzofluoranthenes	252							
144 alpha-Terpineol	59							

Compounds	QUANT	SIG					CONCENTRATIONS	
	MASS		RT	EXP RT	REL RT	RESPONSE	ON-COLUMN	FINAL
=====	=====		=====	=====	=====	=====	(ug/mL)	(ug/mL)

ARI Labs, Inc.

INTERNAL STANDARD COMPOUNDS
 AREA AND RT SUMMARY

Instrument ID: nt6.i Calibration Date: 22-JUN-2022
 Lab File ID: NT622062219.D Calibration Time: 10:58
 Lab Smp Id: 22F0267-26
 Analysis Type: SV Level:
 Quant Type: ISTD Sample Type:
 Operator: JZ
 Method File: \\target\share\chem3\nt6.i\20220622.b\SW84620220516.m
 Misc Info: 22-

Test Mode:
 Use Last Continuing Calibrator.

COMPOUND	STANDARD	AREA LIMIT		SAMPLE	%DIFF
		LOWER	UPPER		
8 1,4-Dichlorobenze	56102	28051	112204	86232	53.71
27 Naphthalene-d8	190364	95182	380728	299747	57.46
42 Acenaphthene-d10	122124	61062	244248	184999	51.48
59 Phenanthrene-d10	231281	115641	462562	329901	42.64
69 Chrysene-d12	202750	101375	405500	339482	67.44
134 Di-n-octylphthala	284466	142233	568932	433132	52.26
77 Perylene-d12	214859	107430	429718	383753	78.61

COMPOUND	STANDARD	RT LIMIT		SAMPLE	%DIFF
		LOWER	UPPER		
8 1,4-Dichlorobenze	8.31	7.81	8.81	8.31	0.02
27 Naphthalene-d8	10.35	9.85	10.85	10.35	-0.03
42 Acenaphthene-d10	13.21	12.71	13.71	13.20	-0.03
59 Phenanthrene-d10	15.58	15.08	16.08	15.58	-0.02
69 Chrysene-d12	19.91	19.41	20.41	19.90	-0.02
134 Di-n-octylphthala	21.02	20.52	21.52	21.02	-0.02
77 Perylene-d12	22.07	21.57	22.57	22.07	0.01

AREA UPPER LIMIT = +100% of internal standard area.
 AREA LOWER LIMIT = - 50% of internal standard area.
 RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
 RT LOWER LIMIT = - 0.50 minutes of internal standard RT.

REVIEW SUMMARY FOR FILE - NT622062219.D

Lab ID: 22F0267-26

nt6.i, SW84620220516.m, 22-JUN-2022 21:14

RT CO-ELUTION COMPOUNDS

NO CO-ELUTIONS

Quant Method: ICAL

No RRT check performed

On Column LOD for nt6.i, SW84620220516.m, LLMDL.sub = 0.2000

* Only compounds listed in the work order have been verified by the analyst *



Form I
ORGANIC ANALYSIS DATA SHEET
EPA 8270E
Semivolatile Organic Compounds (67 ug/kg -1 ug/L)

Laboratory: Analytical Resources, LLC

Client: GeoEngineers

Project: RG Haley Site-Bellingham

Matrix: Water

Laboratory ID: 22F0267-27 C

SDG: 22F0267

Sampled: 06/15/22 09:50

Prepared: 06/20/22 19:17

File ID: NT622062410.D

% Solids:

Preparation: EPA 3520C (Liq Liq)

Analyzed: 06/24/22 15:29

Batch: BKF0450

Sequence: SKF0291

Initial/Final: 500 mL / 0.5 mL

Instrument: NT6

Column: ZB-5MSi

Calibration: FE00035

CAS NO.	COMPOUND	DILUTION	(ug/L)	Q	DL	RL
91-20-3	Naphthalene	1	0.2	U	0.2	1.0
91-57-6	2-Methylnaphthalene	1	0.2	U	0.2	1.0
83-32-9	Acenaphthene	1	0.3	U	0.3	1.0
85-01-8	Phenanthrene	1	0.2	U	0.2	1.0
206-44-0	Fluoranthene	1	0.4	U	0.4	1.0
56-55-3	Benzo(a)anthracene	1	0.4	U	0.4	1.0
218-01-9	Chrysene	1	0.4	U	0.4	1.0
205-99-2	Benzo(b)fluoranthene	1	0.4	U	0.4	1.0
207-08-9	Benzo(k)fluoranthene	1	0.4	U	0.4	1.0
50-32-8	Benzo(a)pyrene	1	0.5	U	0.5	1.0
193-39-5	Indeno(1,2,3-cd)pyrene	1	0.4	U	0.4	1.0
53-70-3	Dibenzo(a,h)anthracene	1	0.4	U	0.4	1.0
90-12-0	1-Methylnaphthalene	1	0.3	U	0.3	1.0

SURROGATES	ADDED:(ug/L)	(ug/L)	% REC	QC LIMITS	Q
2-Fluorophenol	37.500	18.7	49.7	33 - 120	
Phenol-d5	37.500	8.79	23.4	38 - 120	*
2-Chlorophenol-d4	37.500	22.7	60.5	41 - 120	
1,2-Dichlorobenzene-d4	25.000	15.0	60.1	20 - 120	
Nitrobenzene-d5	25.000	17.2	69.0	27 - 120	
2-Fluorobiphenyl	25.000	16.8	67.2	33 - 120	
2,4,6-Tribromophenol	37.500	24.2	64.6	52 - 120	
p-Terphenyl-d14	25.000	17.8	71.3	28 - 120	

Data File: \\target\share\chem3\nt6.1\20220624.6\NT622062410.D

Date: 24-JUN-2022 15:29

Client ID:

Sample Info: 22F0267-27

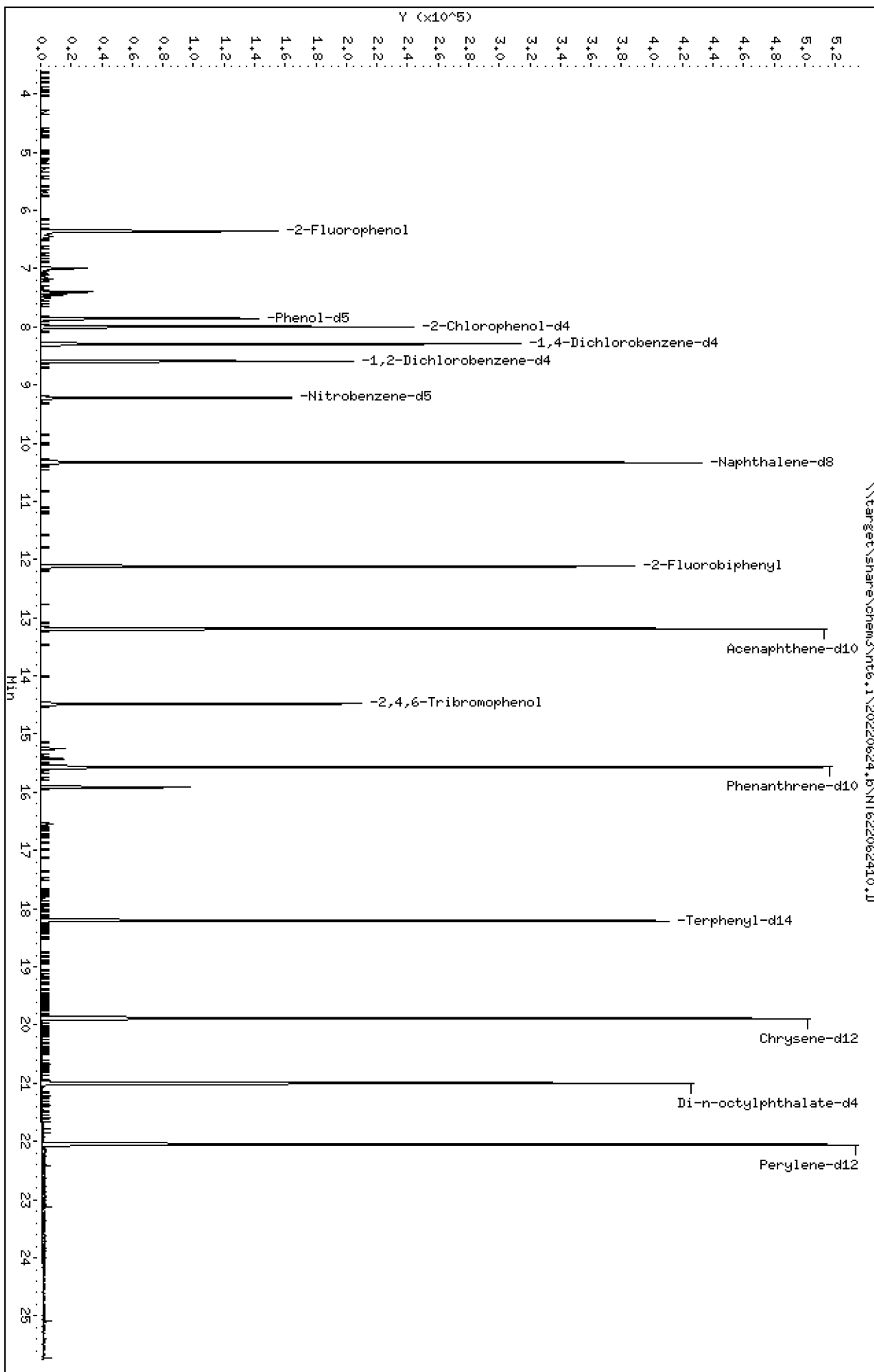
Column phase: ZB-5msi

Instrument: nt6.1

Operator: JZ

Column diameter: 0.32

\\target\share\chem3\nt6.1\20220624.6\NT622062410.D



ARI Labs, Inc.

Semivolatile Report SW846 Method 8270D

Data file : \\target\share\chem3\nt6.i\20220624.b\NT622062410.D
 Lab Smp Id: 22F0267-27
 Inj Date : 24-JUN-2022 15:29
 Operator : JZ Inst ID: nt6.i
 Smp Info : 22F0267-27
 Misc Info : 22-
 Comment : 1ul Injection
 Method : \\target\share\chem3\nt6.i\20220624.b\SW84620220516.m
 Meth Date : 24-Jun-2022 18:54 jianqing Quant Type: ISTD
 Cal Date : 16-MAY-2022 18:52 Cal File: NT622051604.D
 Als bottle: 10
 Dil Factor: 1.00000
 Integrator: HP RTE Compound Sublist: LLM DL.sub
 Target Version: 4.14
 Processing Host: JIANQING-202105

Compounds	QUANT	SIG	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS	
							ON-COLUMN (ug/mL)	FINAL (ug/mL)
\$ 1 2-Fluorophenol	112		6.356	6.356	(0.766)	78830	18.6511	18.65
\$ 2 Phenol-d5	99		7.857	7.862	(0.947)	42499	8.79010	8.790
3 Phenol	94		Compound Not Detected.					
\$ 5 2-Chlorophenol-d4	132		8.001	8.001	(0.965)	99146	22.6881	22.69
4 Bis(2-Chloroethyl)ether	93		Compound Not Detected.					
6 2-Chlorophenol	128		Compound Not Detected.					
7 1,3-Dichlorobenzene	146		Compound Not Detected.					
* 8 1,4-Dichlorobenzene-d4	152		8.295	8.300	(1.000)	78197	20.0000	
9 1,4-Dichlorobenzene	146		Compound Not Detected.					
\$ 10 1,2-Dichlorobenzene-d4	152		8.594	8.594	(1.036)	46961	15.0159	15.02
12 1,2-Dichlorobenzene	146		Compound Not Detected.					
11 Benzyl alcohol	108		Compound Not Detected.					
14 2,2'-oxybis(1-Chloropropane)	45		Compound Not Detected.					
13 2-Methylphenol	108		Compound Not Detected.					
17 Hexachloroethane	117		Compound Not Detected.					
16 N-Nitroso-di-n-propylamine	70		Compound Not Detected.					
15 4-Methylphenol	108		Compound Not Detected.					
\$ 18 Nitrobenzene-d5	82		9.219	9.224	(0.892)	73034	17.2471	17.25
19 Nitrobenzene	77		Compound Not Detected.					
20 Isophorone	82		Compound Not Detected.					
21 2-Nitrophenol	139		Compound Not Detected.					
22 2,4-Dimethylphenol	107		Compound Not Detected.					
23 Bis(2-Chloroethoxy)methane	93		Compound Not Detected.					
24 Benzoic acid	105		Compound Not Detected.					
25 2,4-Dichlorophenol	162		Compound Not Detected.					
26 1,2,4-Trichlorobenzene	180		Compound Not Detected.					
* 27 Naphthalene-d8	136		10.330	10.335	(1.000)	275763	20.0000	
28 Naphthalene	128		Compound Not Detected.					
29 4-Chloroaniline	127		Compound Not Detected.					
30 Hexachlorobutadiene	225		Compound Not Detected.					
31 4-Chloro-3-methylphenol	107		Compound Not Detected.					
32 2-Methylnaphthalene	141		Compound Not Detected.					
33 Hexachlorocyclopentadiene	237		Compound Not Detected.					

Compounds	QUANT	SIG	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS	
							ON-COLUMN (ug/mL)	FINAL (ug/mL)
=====	=====	=====	=====	=====	=====	=====	=====	=====
34 2,4,6-Trichlorophenol	196							
35 2,4,5-Trichlorophenol	196							
\$ 36 2-Fluorobiphenyl	172		12.119	12.119	(0.919)	177244	16.7920	16.79
37 2-Chloronaphthalene	162							
38 2-Nitroaniline	65							
39 Dimethylphthalate	163							
40 Acenaphthylene	152							
41 2,6-Dinitrotoluene	165							
* 42 Acenaphthene-d10	164		13.193	13.193	(1.000)	173510	20.0000	
43 3-Nitroaniline	138							
44 Acenaphthene	153							
45 2,4-Dinitrophenol	184							
46 Dibenzofuran	168							
47 4-Nitrophenol	109							
48 2,4-Dinitrotoluene	165							
50 Diethylphthalate	149							
49 Fluorene	166							
51 4-Chlorophenyl-phenylether	204							
52 4-Nitroaniline	138							
53 4,6-Dinitro-2-methylphenol	198							
54 N-Nitrosodiphenylamine	169							
\$ 55 2,4,6-Tribromophenol	330		14.485	14.485	(1.098)	35748	24.2137	24.21
56 4-Bromophenyl-phenylether	248							
57 Hexachlorobenzene	284							
58 Pentachlorophenol	266							
* 59 Phenanthrene-d10	188		15.564	15.569	(1.000)	314128	20.0000	
60 Phenanthrene	178							
61 Anthracene	178							
62 Carbazole	167							
63 Di-n-butylphthalate	149							
64 Fluoranthene	202							
65 Pyrene	202							
\$ 66 Terphenyl-d14	244		18.208	18.208	(0.916)	233915	17.8163	17.82
67 Butylbenzylphthalate	149							
68 Benzo(a)anthracene	228							
* 69 Chrysene-d12	240		19.885	19.890	(1.000)	276174	20.0000	
70 3,3'-Dichlorobenzidine	252							
71 Chrysene	228							
72 bis(2-Ethylhexyl)phthalate	149							
* 134 Di-n-octylphthalate-d4	153		21.001	21.007	(1.000)	371541	20.0000	
73 Di-n-octylphthalate	149							
74 Benzo(b)fluoranthene	252							
75 Benzo(k)fluoranthene	252							
76 Benzo(a)pyrene	252							
* 77 Perylene-d12	264		22.053	22.054	(1.000)	308259	20.0000	
78 Indeno(1,2,3-cd)pyrene	276							
79 Dibenzo(a,h)anthracene	278							
80 Benzo(g,h,i)perylene	276							
90 N-Nitrosodimethylamine	74							
103 Pyridine	79							
105 1-methylnaphthalene	141							
111 Azobenzene (1,2-DP-Hydrazine)	77							
187 Total Benzofluoranthenes	252							
144 alpha-Terpineol	59							

Compounds	QUANT SIG	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS	
	MASS					ON-COLUMN	FINAL
=====	=====	=====	=====	=====	=====	=====	

ARI Labs, Inc.

INTERNAL STANDARD COMPOUNDS
 AREA AND RT SUMMARY

Instrument ID: nt6.i Calibration Date: 24-JUN-2022
 Lab File ID: NT622062410.D Calibration Time: 10:22
 Lab Smp Id: 22F0267-27
 Analysis Type: SV Level:
 Quant Type: ISTD Sample Type:
 Operator: JZ
 Method File: \\target\share\chem3\nt6.i\20220624.b\SW84620220516.m
 Misc Info: 22-

Test Mode:
 Use Last Continuing Calibrator.

COMPOUND	STANDARD	AREA LIMIT		SAMPLE	%DIFF
		LOWER	UPPER		
8 1,4-Dichlorobenze	61282	30641	122564	78197	27.60
27 Naphthalene-d8	213957	106979	427914	275763	28.89
42 Acenaphthene-d10	139427	69714	278854	173510	24.45
59 Phenanthrene-d10	268928	134464	537856	314128	16.81
69 Chrysene-d12	229100	114550	458200	276174	20.55
134 Di-n-octylphthala	325717	162859	651434	371541	14.07
77 Perylene-d12	228006	114003	456012	308259	35.20

COMPOUND	STANDARD	RT LIMIT		SAMPLE	%DIFF
		LOWER	UPPER		
8 1,4-Dichlorobenze	8.30	7.80	8.80	8.30	-0.07
27 Naphthalene-d8	10.34	9.84	10.84	10.33	-0.05
42 Acenaphthene-d10	13.19	12.69	13.69	13.19	-0.00
59 Phenanthrene-d10	15.57	15.07	16.07	15.56	-0.04
69 Chrysene-d12	19.89	19.39	20.39	19.89	-0.03
134 Di-n-octylphthala	21.01	20.51	21.51	21.00	-0.03
77 Perylene-d12	22.05	21.55	22.55	22.05	-0.00

AREA UPPER LIMIT = +100% of internal standard area.
 AREA LOWER LIMIT = - 50% of internal standard area.
 RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
 RT LOWER LIMIT = - 0.50 minutes of internal standard RT.

REVIEW SUMMARY FOR FILE - NT622062410.D

Lab ID: 22F0267-27
nt6.i, SW84620220516.m, 24-JUN-2022 15:29

RT CO-ELUTION COMPOUNDS

NO CO-ELUTIONS

Quant Method: ICAL

No RRT check performed

On Column LOD for nt6.i, SW84620220516.m, LLMDL.sub = 0.2000

* Only compounds listed in the work order have been verified by the analyst *



PREPARATION BATCH SUMMARY

EPA 8270E

Laboratory: Analytical Resources, LLC

SDG: 22F0267

Client: GeoEngineers

Project: RG Haley Site-Bellingham

Batch: BKF0450

Batch Matrix: Water

Preparation: EPA 3520C (Liq Liq)

SAMPLE NAME	LAB SAMPLE ID	LAB FILE ID	DATE PREPARED	OBSERVATIONS
Z1A-3-PW	22F0267-09	NT622062212.D	06/20/22 19:17	PAH Waters
Z1A-6-PW	22F0267-10	NT622062213.D	06/20/22 19:17	PAH Waters
Z1A-9-PW	22F0267-11	NT622062214.D	06/20/22 19:17	PAH Waters
Z1A-12-PW	22F0267-12	NT622062215.D	06/20/22 19:17	PAH Waters
DUP-1-PW	22F0267-15	NT622062216.D	06/20/22 19:17	PAH Waters
Z1B-1-PW	22F0267-24	NT622062217.D	06/20/22 19:17	PAH Waters
Z1B-2-PW	22F0267-25	NT622062218.D	06/20/22 19:17	PAH Waters
Z1B-3-PW	22F0267-26	NT622062219.D	06/20/22 19:17	PAH Waters
Z1B-4-PW	22F0267-27	NT622062410.D	06/20/22 19:17	PAH Waters
Blank	BKF0450-BLK1	NT622062209.D	06/20/22 19:17	
LCS	BKF0450-BS1	NT622062210.D	06/20/22 19:17	
LCS Dup	BKF0450-BSD1	NT622062211.D	06/20/22 19:17	



Batch: BKF0450

Prepared using: EPA 3520C (Liq Liq)

8270E SVOC (67ug/kg or 1ug/L LiqLiq) in Water (Version:PAH Waters)

Matrix: Water

Date Prepared: 6/24/22

Balance ID: N/A

Set Up By: CTO G/20/22

WO Comments
22F0267: Porewaters -Processing 6.7 L of sediment \$520. Processing 10L Sediment \$575. <G>MS/MSD</G><E>Samples request with and without AS cleanups.
Logged as separate samples with version for the cleanups<E>

The following standards may be missing from this batch!

Designator	Description
QLS 14	QLS Spike (Freezer)
21	BHT/SKYDROL

Analysis: 8270E SVOC (67ug/kg or 1ug/L LiqLiq)

Lab Number & Container	Initial (mL) (Target) Actual	Disassemble Liq/Liq (Mantle #)	Liq/Liq Start Time	Liq/Liq End Time	Final Effective Vol (mL)	Vol (mL) to Lab	Extraction Comments
22F0267-09 C	(500.00) <u>500</u>	<u>23</u>	<u>19:51</u>	<u>8:00</u>	0.5	0.5	
22F0267-10 C	(500.00) <u>↓</u>	<u>24</u>	<u>↓</u>	<u>↓</u>	0.5	0.5	
22F0267-11 C	(500.00) <u>↓</u>	<u>27</u>	<u>↓</u>	<u>↓</u>	0.5	0.5	
22F0267-12 C	(500.00) <u>↓</u>	<u>28</u>	<u>↓</u>	<u>↓</u>	0.5	0.5	
22F0267-15 C	(500.00) <u>↓</u>	<u>29</u>	<u>↓</u>	<u>↓</u>	0.5	0.5	
22F0267-24 C	(500.00) <u>↓</u>	<u>10</u>	<u>↓</u>	<u>↓</u>	0.5	0.5	
22F0267-25 C	(500.00) <u>↓</u>	<u>11</u>	<u>↓</u>	<u>↓</u>	0.5	0.5	
22F0267-26 C	(500.00) <u>↓</u>	<u>12</u>	<u>↓</u>	<u>↓</u>	0.5	0.5	
22F0267-27 C	(500.00) <u>↓</u>	<u>11</u>	<u>↓</u>	<u>↓</u>	0.5	0.5	<u>-27 most over heated solvent</u> <u>① evaporated away</u>

Batch QC

Lab Number	Initial (mL) (Target) Actual	Disassemble Liq/Liq (Mantle #)	Liq/Liq Start Time	Liq/Liq End Time	Final Effective Vol (mL)	Vol (mL) to Lab	Extraction Comments
BKF0450-BLK1	(500.00) <u>500</u>	<u>20</u>	<u>19:51</u>	<u>8:00</u>	0.5	0.5	
BKF0450-BS1	(500.00) <u>↓</u>	<u>21</u>	<u>↓</u>	<u>↓</u>	0.5	0.5	
BKF0450-BSD1	(500.00) <u>↓</u>	<u>22</u>	<u>↓</u>	<u>↓</u>	0.5	0.5	

① Sit 6/24/22

Sit 6/24/22 CTO/JSm 6/24/22 OG2022 1917
Client ID verified By Date Preparation Reviewed By Date Extraction Date and Time



Batch: BKF0450

Prepared using: EPA 3520C (Liq Liq)

8270E SVOC (67ug/kg or 1ug/L LiqLiq) in Water (Version:PAH Waters)

WO Comments

22F0267: Porewaters -Processing 6.7 L of sediment S520. Processing 10L Sediment S575. <G>MS/MSD</G><E>Samples request with and without AS cleanups.
Logged as separate samples with version for the cleanups</E>

Prep Steps	Reagents Used	Standard ID	Surrogates & Spike Standards Used	Type	Vial ID / Standard ID	Vol uL	Analyst	Witness
Liquid/Liquid SH 6/24/22 Analyst/Date	Liquid/Liquid Setup Analyst: SH Date: 6/24/22		Surrogate	A	K002721 Exp: 03/20/2023	125uL	SH	CB
KD 80 - 85°C 0 (1) 2 4 5 6 SP 6/22/22 Analyst/Date	Methylene Chloride K004645		100/150µg/mL					
	1:1 Sulfuric Acid/DI H2O K003392		Full List Spike (Freezer)	7	K004966 (V) Exp: 08/03/2022 K004448	125uL	SH	CB
	Liquid/Liquid Breakdown Analyst: CTJ Date: 6/24/22		Base Spike	56	K004966 (V) Exp: 08/03/2022 K003759	100uL	SH	CB
TurboVap 1 2 3 4 5 CTJ/SS - 6/22/22 Analyst/Date	Anhydrous Sodium Sulfate K005218		200µg/mL					
	KD Analyst: SP Date: 6/22/22		Acid Spike	38	K004966 (V) Exp: 08/03/2022 K003760	100uL	SH	CB
Vialing CTJ/SS - 6/22/22 Analyst/Date	Methylene Chloride K004645		100/200µg/mL					
	Vialing Analyst: CTJ/SS Date: 6/22/22							
	Methylene Chloride K004645							

(V) indicates a virtual standard combining two or more physical standards. In these cases the Standard ID refers to the virtual standard, not the parent standards.

If a Standard ID is missing, but should be present, check the standard definition in Element LIMS to be sure Standard Info 6 has the correct letter or number designator matching the vial designator in the Standard ID column. If it is correct, check the batch and bench sheet in Element LIMS to be sure the correct standards are selected for surrogate(s) and spike(s).



Batch: BKF0450

Prepared using: EPA 3520C (Liq Liq)

8270E SVOC (67ug/kg or 1ug/L LiqLiq) in Water (Version:PAH Waters)

WO Comments
22F0267: Porewaters -Processing 6.7 L of sediment \$520. Processing 10L Sediment \$575. <G>MS/MSD</G><E>Samples request with and without AS cleanups.
Logged as separate samples with version for the cleanups</E>

Prep Instructions	
<p>SPECIAL INSTRUCTIONS:</p> <ol style="list-style-type: none"> 1. Add ~200mL DCM to Liq/Liq. 2. Add 500mL sample. 3. Add surr/spk. 4. Adjust Acid (pH <2) using 1:1 Sulfuric Acid. (1/4 pipet for blanks & 1/2 pipet for samples). Stir to mix. Let sit 10 minutes. Verify pH. 5. Extract minimum 8 hrs. 6. KD (NO drying column) to 5mL at 80°. 7. TurboVap to 0.5mL. 8. Vial in DCM. <p>Archive <input checked="" type="checkbox"/> Y <input type="checkbox"/> N</p>	



Extraction Parameter: SLOA Extraction Batch B/4/150

Total Solids Batch: MA Work Order(s): 22F0267

Screens: Soil/Sediment/Solid/Other:	Analyst/Date
<input type="checkbox"/> No Anomalies (standard soil/wet sediment/sand/gravel)=	
<input type="checkbox"/> Standing Water Decanted (Not shared)=	
<input type="checkbox"/> Standing Water Homogenized (Shared samples)=	
<input type="checkbox"/> Clay/Clumps (Difficult to homogenize)=	
<input type="checkbox"/> Rocks (%+size)?	
<input type="checkbox"/> Organics (Leaves/sticks/grass)=	
<input type="checkbox"/> Oily, obvious fuel/sulfur odors=	
<input type="checkbox"/> Received in 32oz jar(s)=Homogenized in Pyrex dish=	
<input type="checkbox"/> Previously Frozen =	
<input type="checkbox"/> Other (Details)=	
Aqueous:	
<input type="checkbox"/> No Anomalies	
<input checked="" type="checkbox"/> Turbid/Color= <u>267</u> <u>-49, 108, 11, 12, 24, 25, 26, 27</u> slight turbid / <u>267</u> gray turbid <u>-15</u>	<u>SH #6/24/22</u>
<input type="checkbox"/> Particulates(%)=(Note: >5%=Notify Supervisor/Lead)	
<input type="checkbox"/> Emulsions (%)=	
<input checked="" type="checkbox"/> Oily, obvious fuel/sulfur odors= <u>267 sulfur/267 strong</u> <u>-49</u> <u>-49</u> sulfur	<u>SH #6/24/22</u>
<input type="checkbox"/> Other (Details)=	
<input type="checkbox"/> Received in 1.0L Bottle(s)=No Bottle Rinse=	
<input checked="" type="checkbox"/> Other Notes/Comments= (Note problems, concerns, corrective actions).	
<u>22F0267-27 round bottom near dry (maybe 'kunk' in round bottom flask)</u> <u>calibration of E for heating mantle to hot to</u> <u>touch sample should be re-extended for possible loss #6/24/22</u>	
<input type="checkbox"/> Share Samples Y / N	
<input type="checkbox"/> Multiple Jars Y / N	
<input type="checkbox"/> Sample Pre-Screens indicate analyte activity=	
<input type="checkbox"/> Sample weights/volumes reduced based on Pre-Screen=	



PREPARATION BATCH SUMMARY
EPA 8270E

Laboratory: Analytical Resources, LLC

SDG: 22F0267

Client: GeoEngineers

Project: RG Haley Site-Bellingham

Batch: BKF0469

Batch Matrix: Solid

Preparation: EPA 3546 (Microwave)

SAMPLE NAME	LAB SAMPLE ID	LAB FILE ID	DATE PREPARED	OBSERVATIONS
Z1A-3-MS	22F0267-01	NT1022063008.D	06/21/22 13:45	PAH PCP solids
Z1A-6-MS	22F0267-03	NT1022063011.D	06/21/22 13:45	PAH PCP solids
Z1A-9-MS	22F0267-05	NT1022063012.D	06/21/22 13:45	PAH PCP solids
Z1A-12-MS	22F0267-07	NT1022063013.D	06/21/22 13:45	PAH PCP solids
DUP-1-MS	22F0267-13	NT1022063014.D	06/21/22 13:45	PAH PCP solids
Z1B-1-MS	22F0267-16	NT1022063015.D	06/21/22 13:45	PAH PCP solids
Z1B-2-MS	22F0267-18	NT1022063016.D	06/21/22 13:45	PAH PCP solids
Z1B-3-MS	22F0267-20	NT1022063017.D	06/21/22 13:45	PAH PCP solids
Z1B-4-MS	22F0267-22	NT1022063018.D	06/21/22 13:45	PAH PCP solids
Blank	BKF0469-BLK1	NT1022063005.D	06/21/22 13:45	
LCS	BKF0469-BS1	NT1022063006.D	06/21/22 13:45	
LCS Dup	BKF0469-BSD1	NT1022063007.D	06/21/22 13:45	
Z1A-3-MS	BKF0469-MS1	NT1022063009.D	06/21/22 13:45	
Z1A-3-MS	BKF0469-MSD1	NT1022063010.D	06/21/22 13:45	



Batch: BKF0469

Prepared using: EPA 3546 (Microwave)

8270E SVOC (20ug/kg solid or 0.2ug/L low H2O Sepf) in Solid (Version:PAH PCP)

Matrix: Solid

Date Prepared: 6/21/22

Balance ID: B146462614

Set Up By: CTC 6/21/22

WO Comments

22F0267: Porewaters -Processing 6.7 L of sediment \$520. Processing 10L Sediment \$575. <G>MS/MSD</G><E>Samples request with and without AS cleanups. Logged as separate samples with version for the cleanups</E>

The following standards may be missing from this batch!

Designator	Description
39	Benzidine Spike
QLS 14	QLS Spike (Freezer)

Analysis: 8270E SVOC (20ug/kg solid or 0.2ug/L low H2O Sepf)

Lab Number & Container	% Solids	Initial (g)		(REQ) GPC C/U (1:1) 123	Water Wash 1mL	Final Effective Vol (mL)	Vol (mL) to Lab	Extraction Comments
		Target Dry: 10 (Wet)	Actual					
22F0267-01 A	51.1	(19.55)	<u>19.58</u>	(1:1)	1mL	1	0.5	PAH PCP solids
22F0267-03 A	30.1	(33.25)	<u>33.28</u>	(1:1)	1mL	1	0.5	PAH PCP solids
22F0267-05 A	79.3	(12.62)	<u>12.66</u>	(1:1)	1mL	1	0.5	PAH PCP solids
22F0267-07 A	83.2	(12.01)	<u>12.06</u>	(1:1)	1mL	1	0.5	PAH PCP solids
22F0267-13 A	84.4	(11.84)	<u>11.86</u>	(1:1)	1mL	1	0.5	PAH PCP solids
22F0267-16 A	84.3	(11.86)	<u>11.87</u>	(1:1)	1mL	1	0.5	PAH PCP solids
22F0267-18 A	88.0	(11.37)	<u>11.39</u>	(1:1)	1mL	1	0.5	PAH PCP solids
22F0267-20 A	86.4	(11.58)	<u>11.59</u>	(1:1)	1mL	1	0.5	PAH PCP solids
22F0267-22 A	80.7	(12.40)	<u>12.46</u>	(1:1)	1mL	1	0.5	PAH PCP solids

Batch QC

Lab Number	% Solids	Initial (g)		(REQ) GPC C/U (1:1) 123	Water Wash 1mL	Final Effective Vol (mL)	Vol (mL) to Lab	Extraction Comments
		Target Dry: 10 (Wet)	Actual					
BKF0469-BLK1	100.0	(10.00)	<u>10.00</u>	(1:1)	1mL	1	0.5	Use 5g Neutral Sodium Sulfate for Blanks
BKF0469-BS1	100.0	(10.00)	<u>10.00</u>	(1:1)	1mL	1	0.5	Use 5g Neutral Sodium Sulfate for Blanks
BKF0469-BSD1	100.0	(10.00)	<u>10.00</u>	(1:1)	1mL	1	0.5	Use 5g Neutral Sodium Sulfate for Blanks
BKF0469-MS1	51.1	(19.55)	<u>19.55</u>	(1:1)	1mL	1	0.5	Use 22F0267-01
BKF0469-MSD1	51.1	(19.55)	<u>19.55</u>	(1:1)	1mL	1	0.5	Use 22F0267-01

Client verified By: [Signature] Date: 6/21/22

Preparation Reviewed By: [Signature] Date: 6/21/22

Extraction Date and Time: 6/21/22 13:45



Batch: BKF0469

Prepared using: EPA 3546 (Microwave)

8270E SVOC (20ug/kg solid or 0.2ug/L low H2O Sepf) in Solid (Version:PAH PCP)

WO Comments

22F0267: Porewaters -Processing 6.7 L of sediment \$520. Processing 10L Sediment \$575. <G>MS/MSD</G><E>Samples request with and without AS cleanups. Logged as separate samples with version for the cleanups<E>

Prep Steps	Reagents Used	Surrogates & Spike Standards Used
Microwave 1 2 3 CT 6/21/22 Analyst/Date	Station/Reagent Microwave Analyst: <u>CT/M</u> Date: <u>6/21/22</u>	Type Surrogate Vial ID / Standard ID: <u>A K002721</u> Exp: 03/20/2023 Vol uL: 50µL Analyst: <u>CT</u> Witness: <u>Y</u>
	Standard ID Anhydrous Sodium Sulfate <u>K0045218</u> 1:1 Methylene Chloride/Acetone <u>K0045451</u> Methylene Chloride <u>K0044274</u> Pre-Deactivated Glass Wool <u>K0045222</u>	100/150µg/mL Full List Spike (Freezer) 7 K004967 (V) Exp: 08/03/2022 <u>K004448</u> 100µg/mL Base Spike 56 K004967 (V) Exp: 08/03/2022 <u>K0037839</u> 200µg/mL Acid Spike 38 K004967 (V) Exp: 08/03/2022 <u>K003766</u> 100/200µg/mL
Pre-GPC KD 100°C Exchange to Hexane (add 10 mL to KD) 0 2 4 5 6 SR 6/22/22 Analyst/Date	Pre GPC KD Analyst: <u>SR</u> Date: <u>6/22/22</u> Pre-Deactivated Glass Wool	(V) indicates a virtual standard combining two or more physical standards. In these cases the Standard ID refers to the virtual standard, not the parent standards. If a Standard ID is missing, but should be present, check the standard definition in Element LIMS to be sure Standard Info 6 has the correct letter or number designator matching the vial designator in the Standard ID column. If it is correct, check the batch and bench sheet in Element LIMS to be sure the correct standards are selected for surrogate(s) and spike(s).
TurboVap Pre GPC 1 2 3 4 5 DM 6-23-22 Analyst/Date	Anhydrous Sodium Sulfate <u>K005082</u> Methylene Chloride <u>K004645</u> Hexane <u>K004447</u> GPC Filter Prep Analyst: <u>DM</u> Date: <u>6-23-22</u>	
	Methylene Chloride <u>K004645</u> GPC Analyst: <u>MS</u> Date: <u>052322</u> Methylene Chloride <u>K004645</u>	
Post GPC KD 80-85°C 0 2 4 5 6 SR 6-24-22 Analyst/Date	GPC Calibration File <u>CKP117</u> Post GPC KD Analyst: <u>SP</u> Date: <u>6-24-22</u> Methylene Chloride <u>K004645</u>	
Water Wash WT 052822 Analyst/Date	Vialing Analyst: <u>MS</u> Date: <u>052822</u> Methylene Chloride <u>K004645</u>	



Batch: BKF0469

Prepared using: EPA 3546 (Microwave)

8270E SVOC (20ug/kg solid or 0.2ug/L low H2O Sep) in Solid (Version:PAH PCP)

WO Comments
22F0267: Porewaters -Processing 6.7 L of sediment \$520, Processing 10L Sediment \$575. <G>MS/MSD</G><E>Samples request with and without AS cleanups.
Logged as separate samples with version for the cleanups</E>

Prep Instructions	
<p>SPECIAL INSTRUCTIONS:</p> <ol style="list-style-type: none"> 1. Weigh into beakers-lightly dry with Sodium Sulfate. 2. Transfer to microwave vessel. 3. Add DCM ONLY to the vessels (until solvent is 3 inches above soil layer after homogenization). 4. Add surr/spike. 5. Microwave on appropriate power setting determined by # of samples. 6. After microwave-re-homogenize while hot then let cool 10-15 min in Refrigerator 05. Re-homogenize while cool. 7. Decant DCM into Erlenmeyer flask with a funnel containing pre-deactivated glasswool. 8. Rinse with DCM 9. Microwave a 2nd time using 1:1 DCM/ACE. 10. Let cool and decant the solvent then empty the soil into the funnel and rinse with DCM. 11. KD: Add 10 mL Hexane directly to extract in the KD. 12. GPC REQUIRED 100°C water bath (CLP) KD to 5mL. 13. Vialers to take 1:5 Split Pre- GPC. 14. (After GPC): KD at 80°C. 15. TurboVap to 1mL in DCM. 16. WATER WASH REQUIRED: <ol style="list-style-type: none"> 16a. Vial 1mL of all extracts in 2mL amber vials in DCM. 16b. Add ~0.5mL DI water and vortex for ~5 seconds each. 16c. Centrifuge extracts for 5 minutes at 1500-2000rpm. 16d. Transfer and vial 0.5mL to new 2mL amber vials (Avoiding collecting water in syringe and cleaning syringe with Acetone and DCM between each vial). 17. Archive water wahed vials and deliver new vials to GC Department for analysis. <p>A. Need Total Solids Y <input type="checkbox"/> N <input checked="" type="checkbox"/></p> <p>B. Archive/Freeze <input checked="" type="checkbox"/> Y <input type="checkbox"/> N</p>	



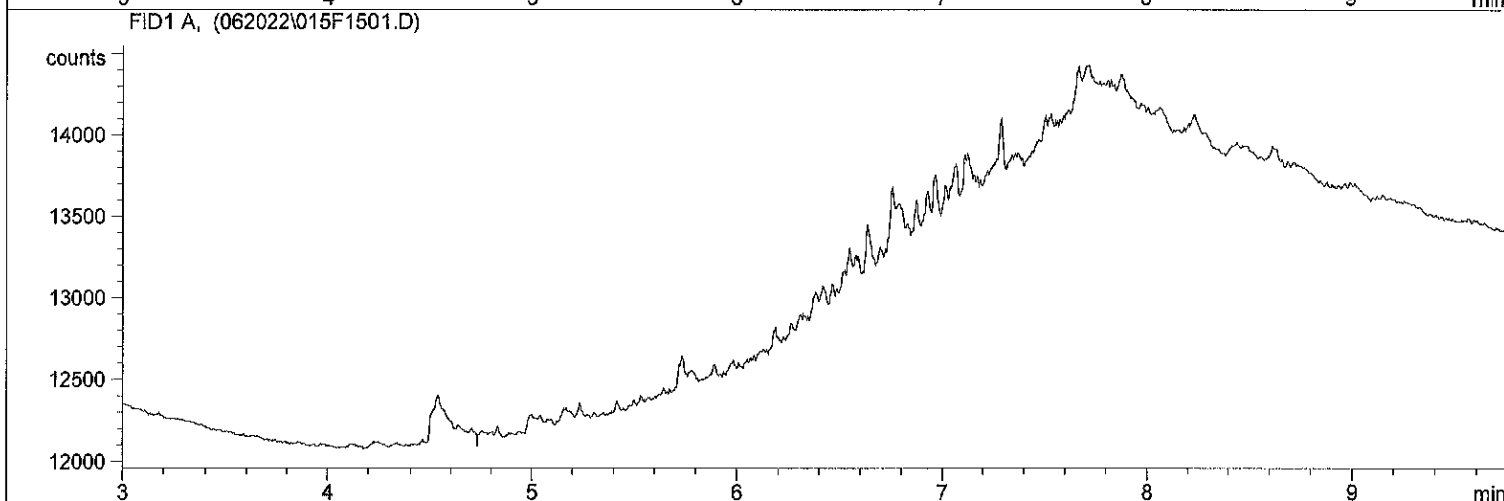
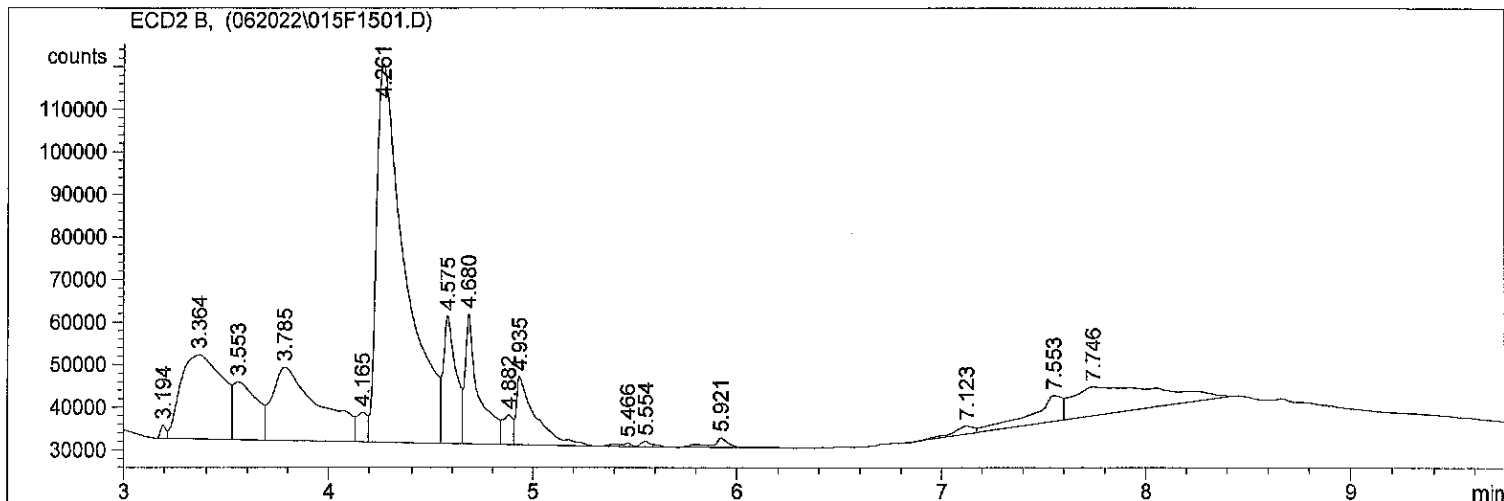
Extraction Parameter: SVDA Extraction Batch BKFO469

Total Solids Batch: BKFO432 Work Order(s): 22F0267

Screens: Soil/Sediment/Solid/Other:	Analyst/Date
<input checked="" type="checkbox"/> No Anomalies (standard soil/wet sediment/sand/gravel)= 21.	<u>φ6/24/22</u>
<input checked="" type="checkbox"/> Standing Water Decanted (Not shared)= φ5, φ6, φ7, φ8, 16,	<u>φ6/24/22</u>
<input type="checkbox"/> Standing Water Homogenized (Shared samples)=	
<input type="checkbox"/> Clay/Clumps (Difficult to homogenize)=	
<input checked="" type="checkbox"/> Rocks (%+size) ^{10.0%} = φ1, φ2, φ5, φ6, φ7, φ8, 14, 16, 24, 22 ^{20.0%} = 17, 18, 19	<u>φ6/24/22</u>
<input checked="" type="checkbox"/> Organics (Leaves/sticks/grass)= ^{20.0%} = φ3, φ4.	<u>φ6/24/22</u>
<input checked="" type="checkbox"/> Oily, obvious fuel/sulfur odors= φ3, φ4, φ5. fuel odor = φ3.	<u>φ6/24/22</u>
<input type="checkbox"/> Received in 32oz jar(s)=Homogenized in Pyrex dish=	
<input type="checkbox"/> Previously Frozen =	
<input checked="" type="checkbox"/> Other (Details)= ^{20.0%} shell pieces = 23.	<u>φ6/24/22</u>
Aqueous:	
<input type="checkbox"/> No Anomalies	
<input type="checkbox"/> Turbid/Color=	
<input type="checkbox"/> Particulates(%)=(Note: >5%=Notify Supervisor/Lead)	
<input type="checkbox"/> Emulsions (%)=	
<input type="checkbox"/> Oily, obvious fuel/sulfur odors=	
<input type="checkbox"/> Other (Details)=	
<input type="checkbox"/> Received in 1.0L Bottle(s)=No Bottle Rinse=	
<input type="checkbox"/> Other Notes/Comments= (Note problems, concerns, corrective actions).	
<input checked="" type="checkbox"/> Share Samples <u>Y/N</u>	<u>φ6/24/22</u>
<input checked="" type="checkbox"/> Multiple Jars <u>Y/N</u> = φ1, φ2, φ3, φ5, φ7, 13, 16, 18, 22 = x 2. (23, 29, 3) ^{φ6/24/22}	<u>φ6/24/22</u>
<input type="checkbox"/> Sample Pre-Screens indicate analyte activity=	
<input type="checkbox"/> Sample weights/volumes reduced based on Pre-Screen=	

=====
Injection Date : 6/20/2022 6:22:15 PM Seq. Line : 15
Sample Name : 22F0267 01 Location : Vial 15
Acq. Operator : YL Inj : 1
 Inj Volume : 1 µl

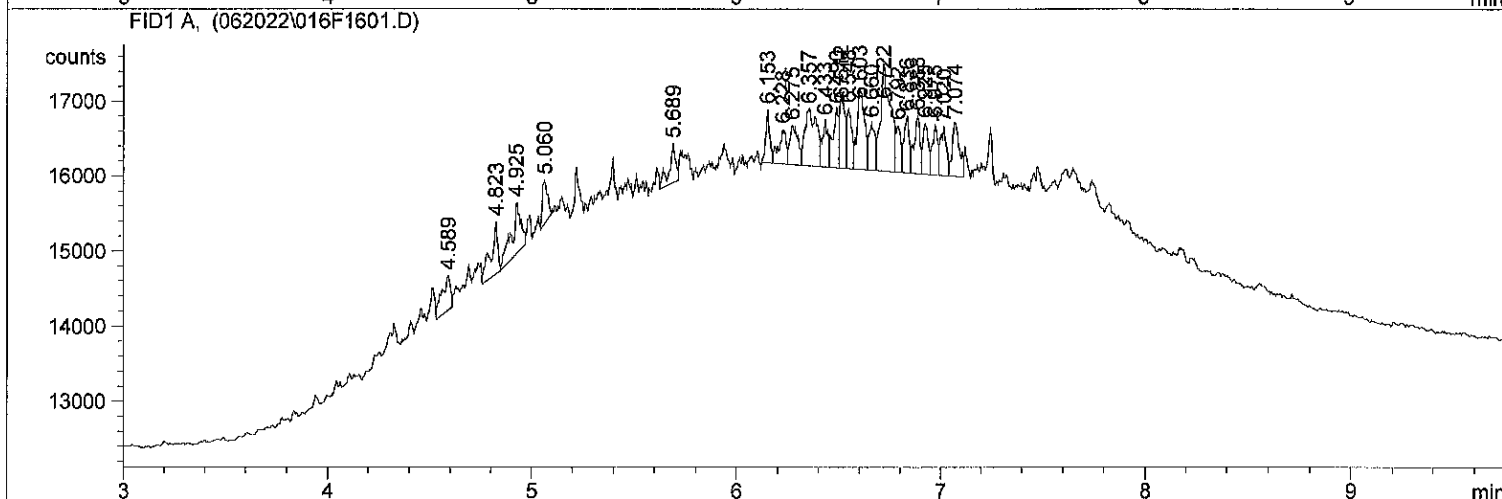
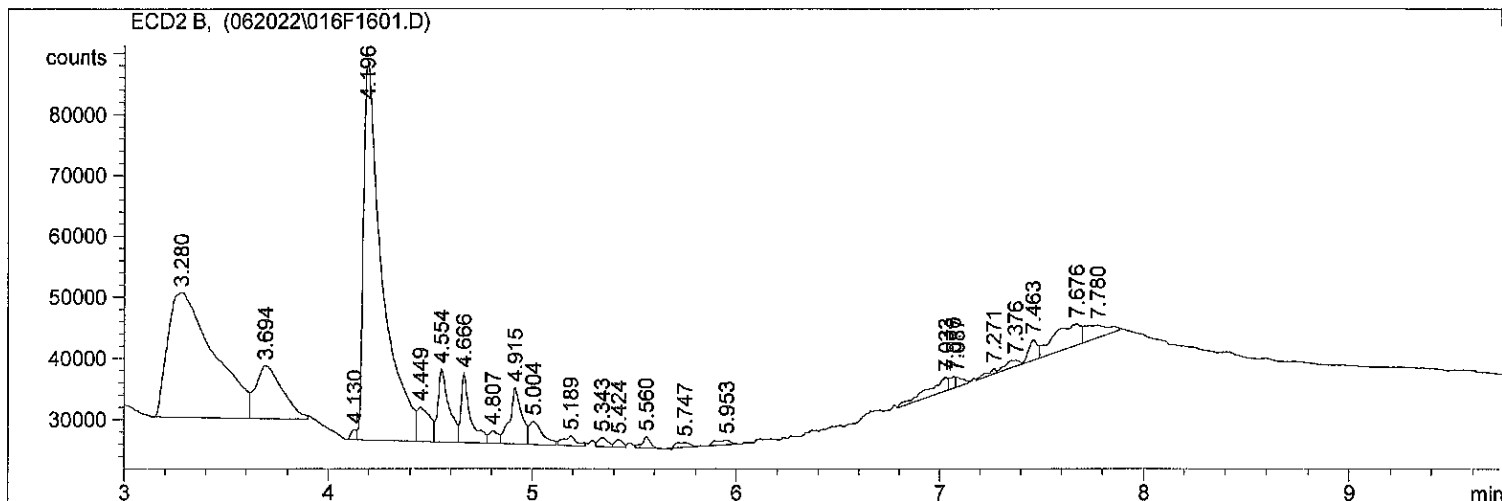
Sequence File : C:\HPCHEM\1\SEQUENCE\062022.S
Method : C:\HPCHEM\1\METHODS\SCREEN.M
Last changed : 7/9/2021 3:37:33 AM by TW
SCREEN METHOD
=====



*** End of Report ***

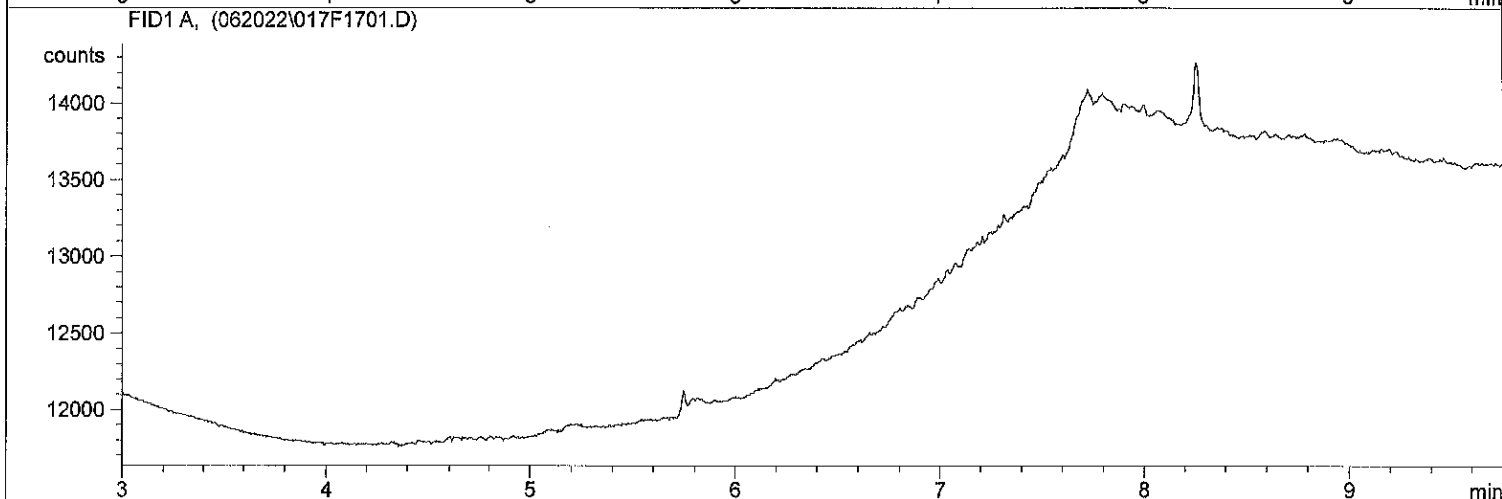
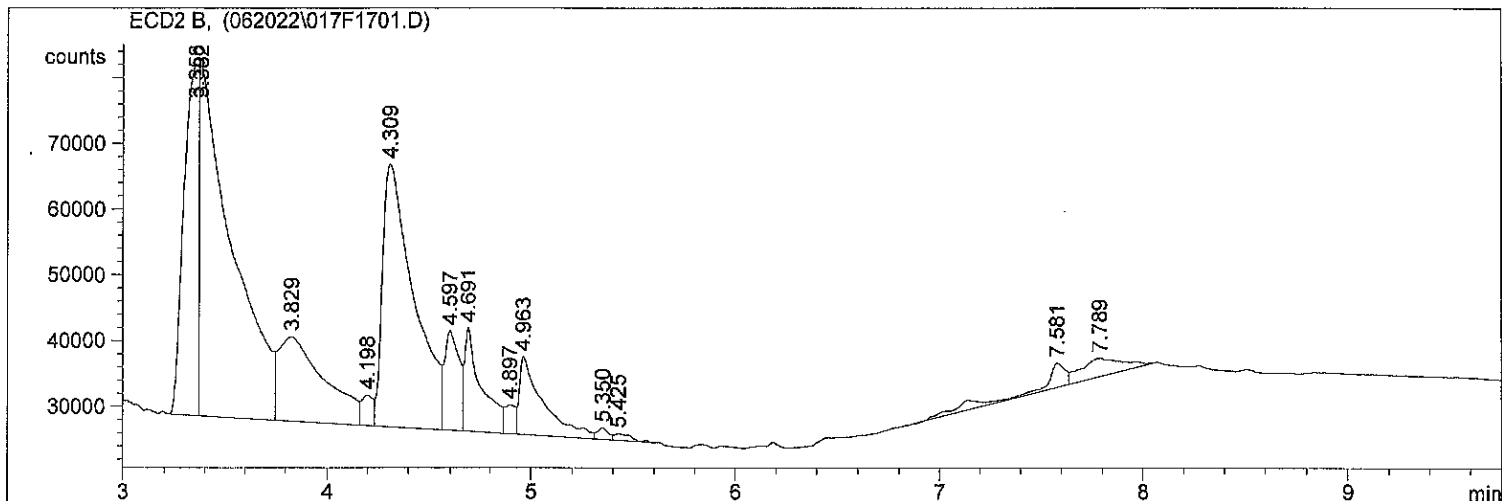
Injection Date : 6/20/2022 6:35:48 PM Seq. Line : 16
Sample Name : 22F0267 03 Location : Vial 16
Acq. Operator : YL Inj : 1
 Inj Volume : 1 µl

Sequence File : C:\HPCHEM\1\SEQUENCE\062022.S
Method : C:\HPCHEM\1\METHODS\SCREEN.M
Last changed : 7/9/2021 3:37:33 AM by TW
SCREEN METHOD



*** End of Report ***

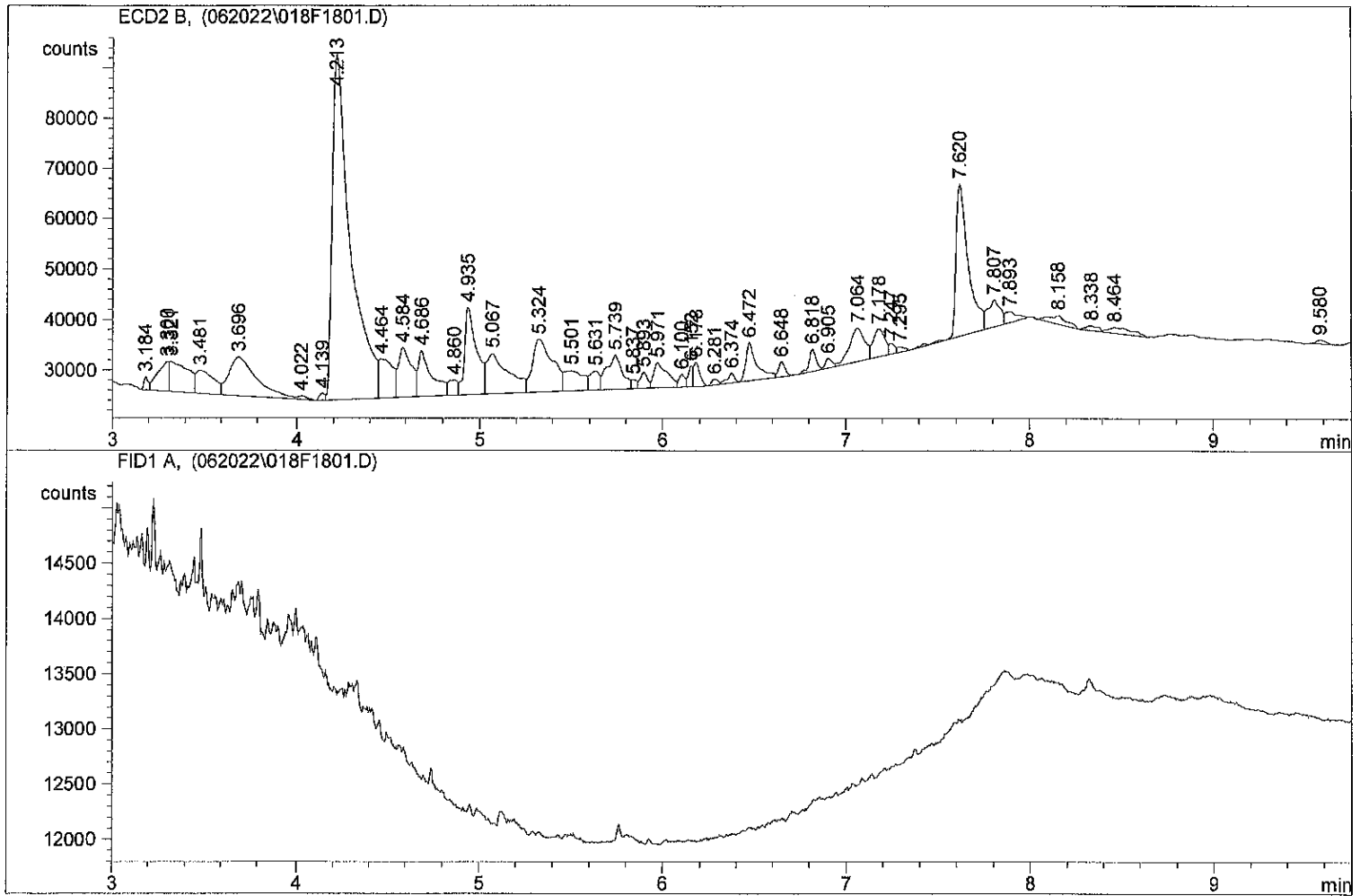
=====
Injection Date : 6/20/2022 6:50:18 PM Seq. Line : 17
Sample Name : 22F0267 05 Location : Vial 17
Acq. Operator : YL Inj : 1
 Inj Volume : 1 µl
Sequence File : C:\HPCHEM\1\SEQUENCE\062022.S
Method : C:\HPCHEM\1\METHODS\SCREEN.M
Last changed : 7/9/2021 3:37:33 AM by TW
SCREEN METHOD
=====



*** End of Report ***

=====
Injection Date : 6/20/2022 7:04:42 PM Seq. Line : 18
Sample Name : 22F0267 07 Location : Vial 18
Acq. Operator : YL Inj : 1
 Inj Volume : 1 µl

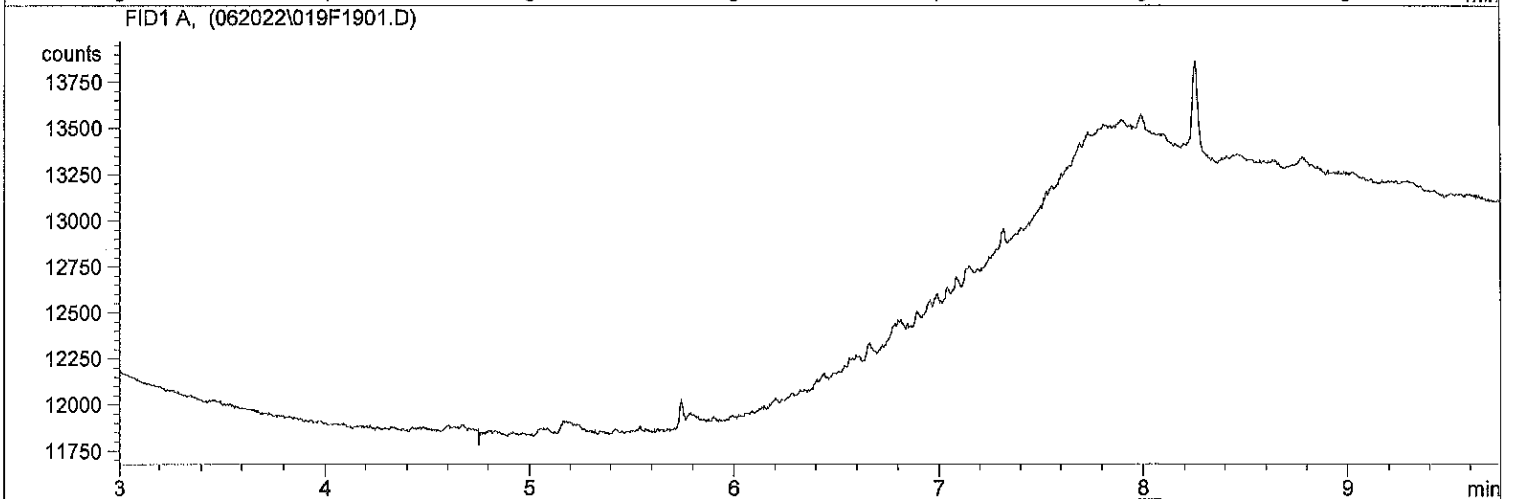
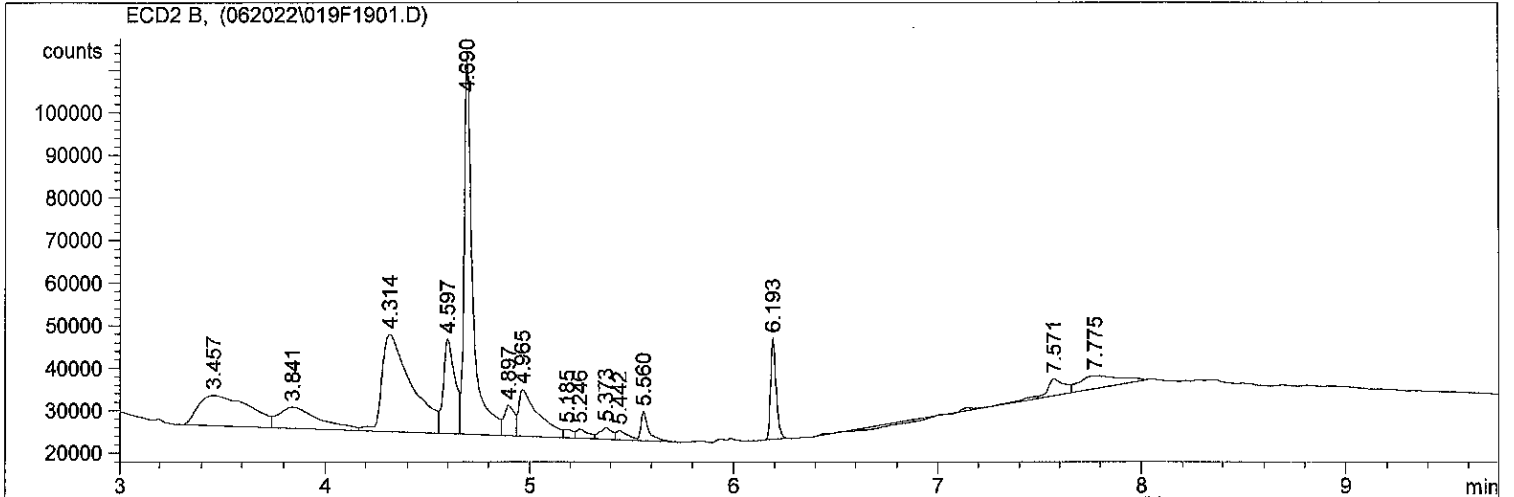
Sequence File : C:\HPCHEM\1\SEQUENCE\062022.S
Method : C:\HPCHEM\1\METHODS\SCREEN.M
Last changed : 7/9/2021 3:37:33 AM by TW
SCREEN METHOD
=====



*** End of Report ***

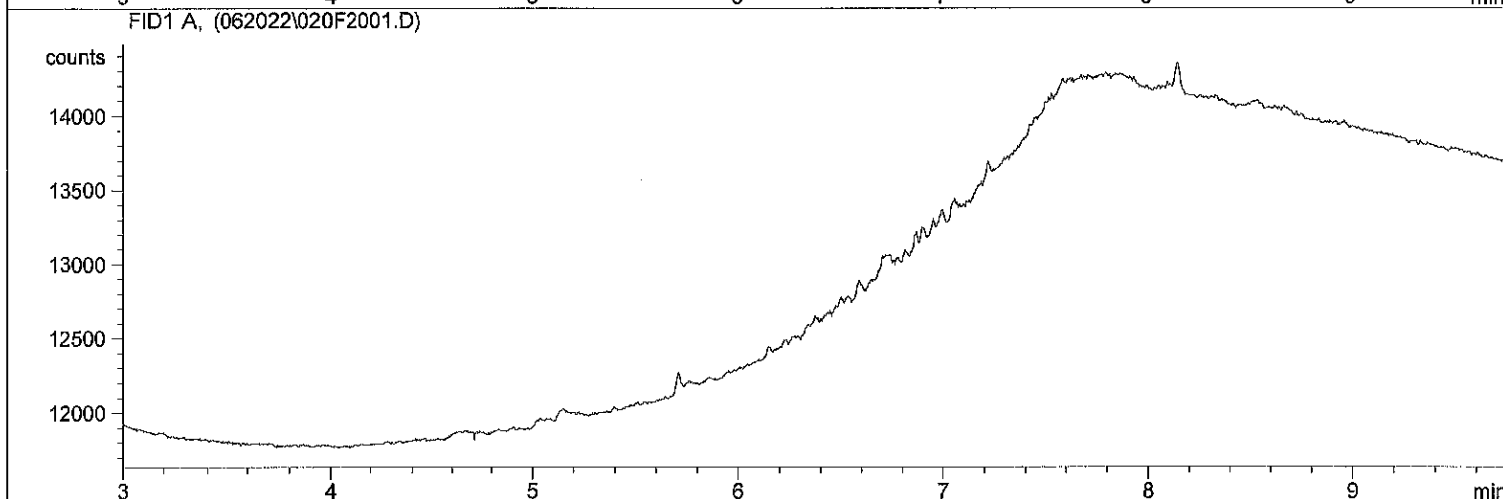
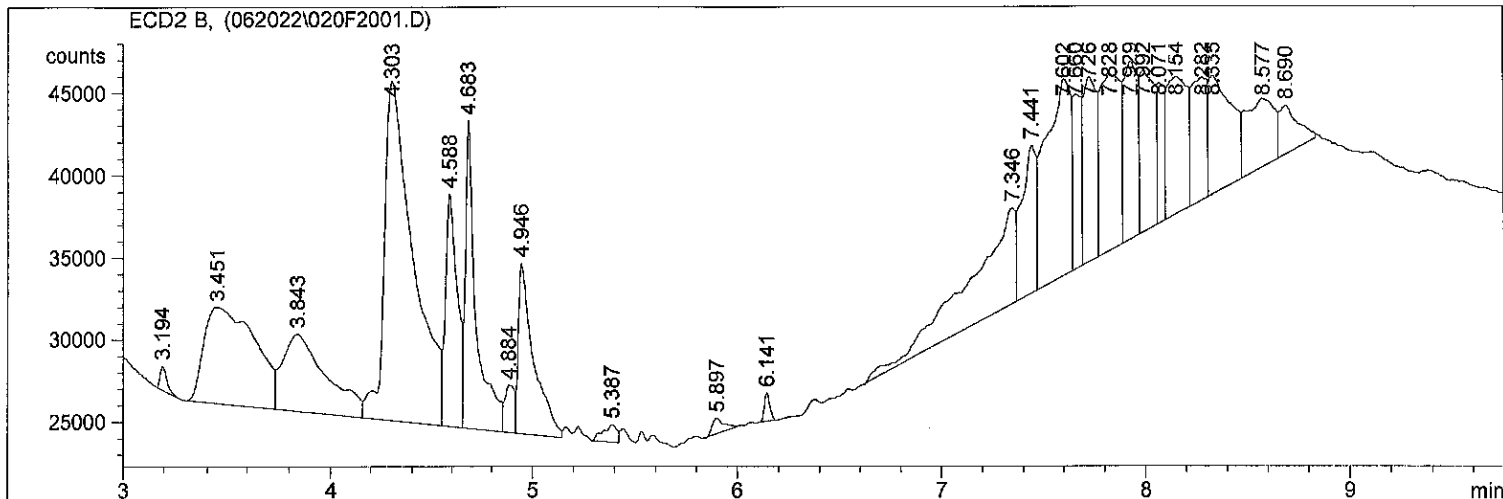
=====
Injection Date : 6/20/2022 7:19:10 PM Seq. Line : 19
Sample Name : 22F0267 14 Location : Vial 19
Acq. Operator : YL Inj : 1
 Inj Volume : 1 µl

Sequence File : C:\HPCHEM\1\SEQUENCE\062022.S
Method : C:\HPCHEM\1\METHODS\SCREEN.M
Last changed : 7/9/2021 3:37:33 AM by TW
SCREEN METHOD
=====



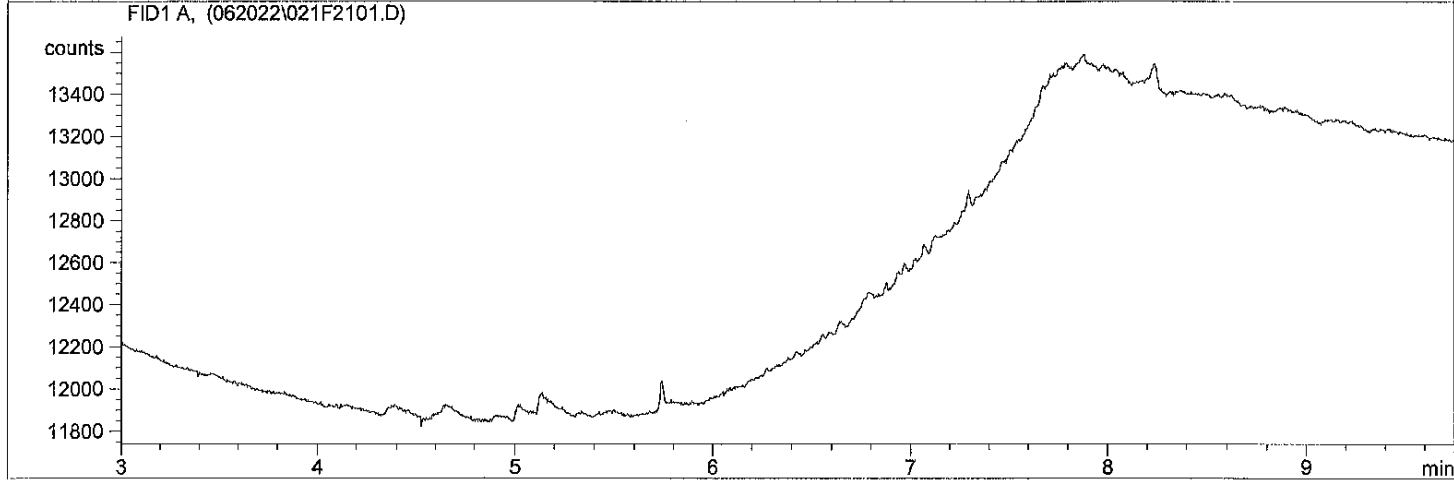
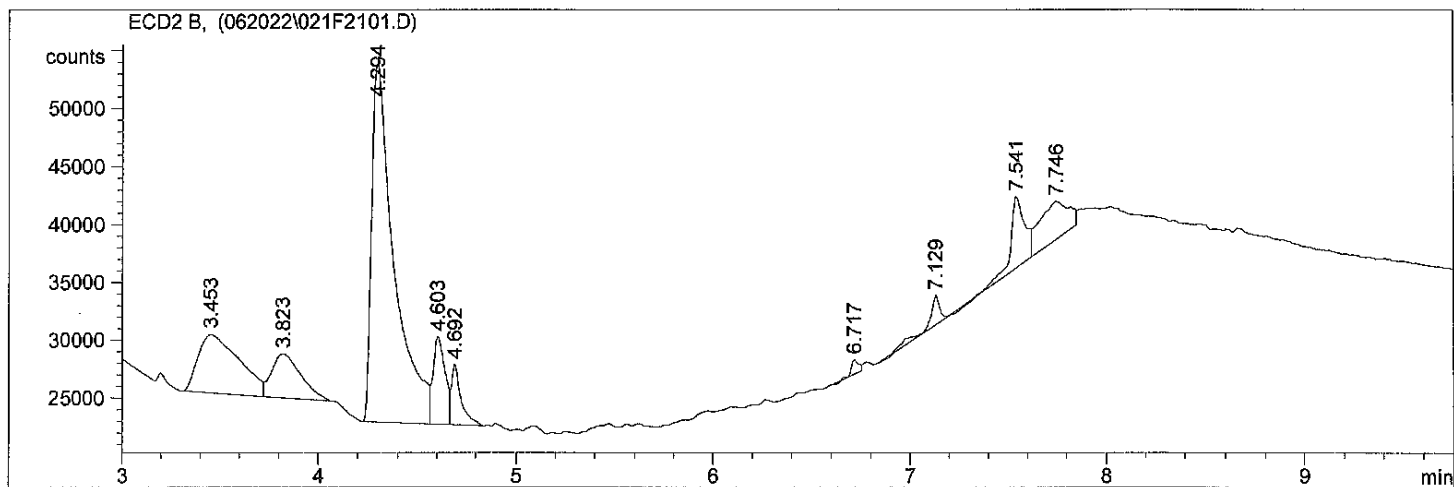
*** End of Report ***

Injection Date : 6/20/2022 7:32:40 PM Seq. Line : 20
Sample Name : 22F0267 16 Location : Vial 20
Acq. Operator : YL Inj : 1
 Inj Volume : 1 µl
Sequence File : C:\HPCHEM\1\SEQUENCE\062022.S
Method : C:\HPCHEM\1\METHODS\SCREEN.M
Last changed : 7/9/2021 3:37:33 AM by TW
SCREEN METHOD



*** End of Report ***

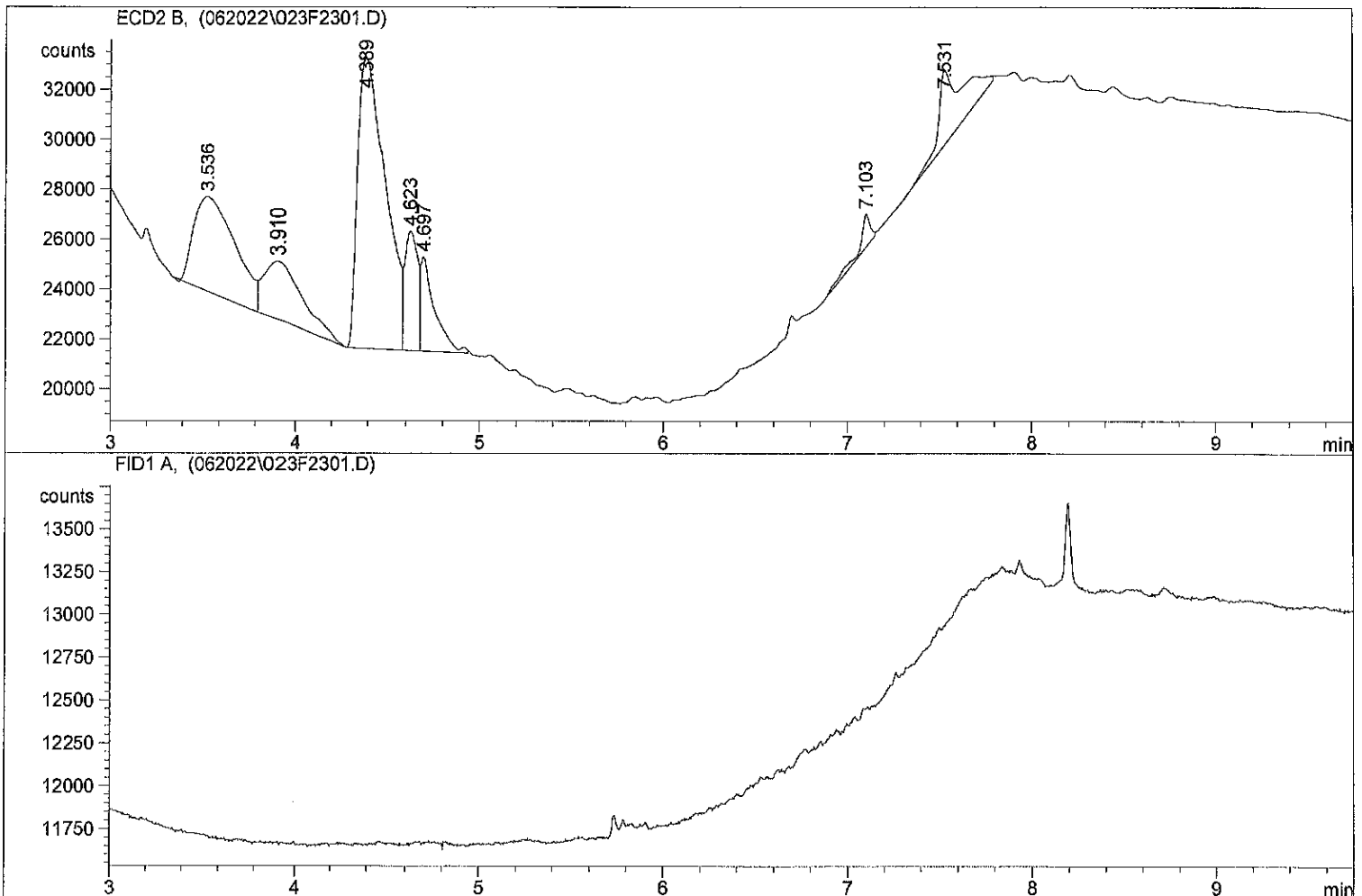
=====
Injection Date : 6/20/2022 7:47:24 PM Seq. Line : 21
Sample Name : 22F0267 18 Location : Vial 21
Acq. Operator : YL Inj : 1
 Inj Volume : 1 µl
Sequence File : C:\HPCHEM\1\SEQUENCE\062022.S
Method : C:\HPCHEM\1\METHODS\SCREEN.M
Last changed : 7/9/2021 3:37:33 AM by TW
SCREEN METHOD
=====



*** End of Report ***

=====
Injection Date : 6/20/2022 8:15:19 PM Seq. Line : 23
Sample Name : 22F0267 22 Location : Vial 23
Acq. Operator : YL Inj : 1
 Inj Volume : 1 µl

Sequence File : C:\HPCHEM\1\SEQUENCE\062022.S
Method : C:\HPCHEM\1\METHODS\SCREEN.M
Last changed : 7/9/2021 3:37:33 AM by TW
SCREEN METHOD
=====

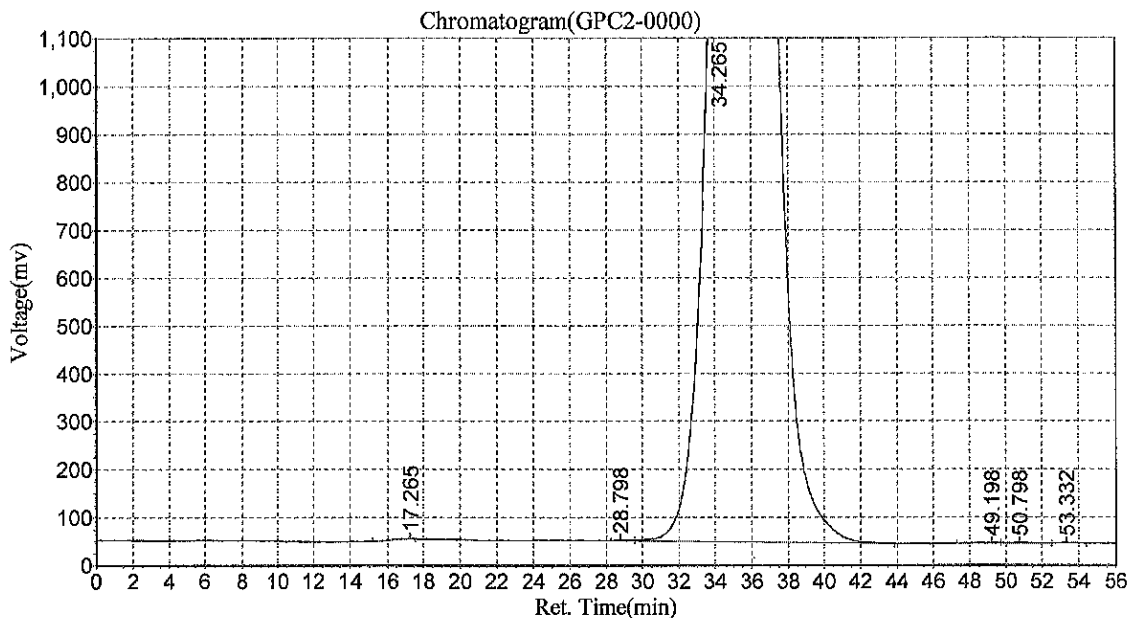


*** End of Report ***

BKF469 22F267 BAN

Date:2022-06-23,8:57:04 PM
 Data File:c:\n2000\data\gpc2\062322\GPC2-0000
 Method File:E:\GPC2_InHouse.mtd

Analyst:°CCT
 Date/Time:2022-06-23,8:57:05 PM



Results

Peak No.	Peak ID	Ret Time	Height	Area	Conc
1		17.265	1506.875	140232.797	0.0355
2		28.798	2214.800	137463.531	0.0348
3		34.265	1324915.250	394559520.000	99.7992
4		49.198	1685.389	152210.156	0.0385
5		50.798	2126.056	234663.688	0.0594
6		53.332	1893.111	129398.992	0.0327
Total			1334341.481	395353489.164	100.000

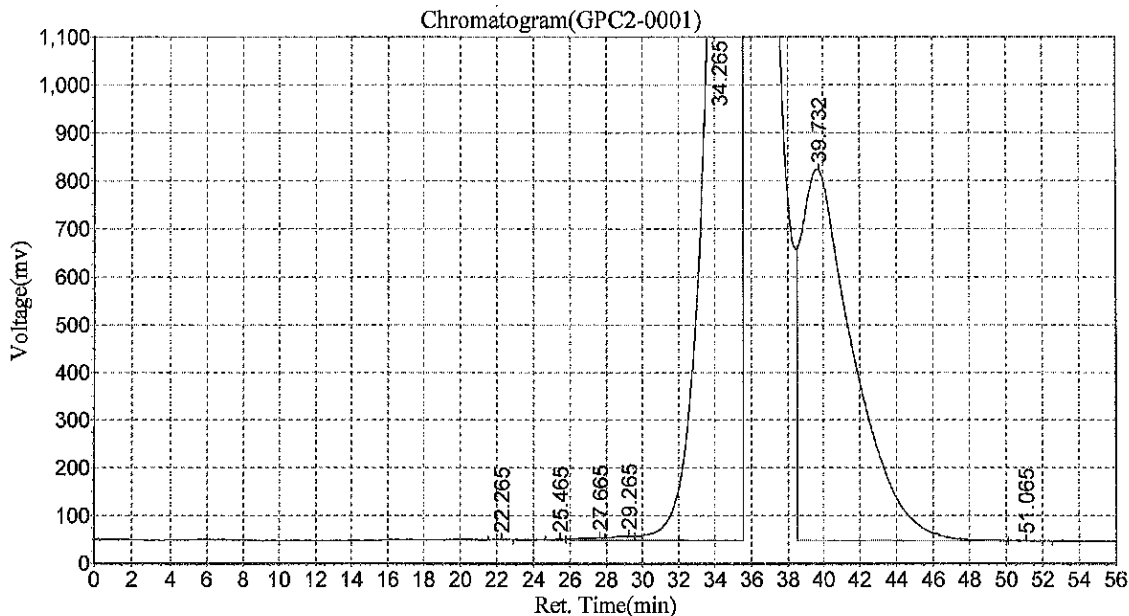
Ingredient Table

No	Peak ID	Ret Time	Peak Width	Factor1	Factor2	ISTD Wt.
1	Collect Pest	29.000	0.010	0.00E+000	0.00E+000	0.0000
2	Dump Pest	46.000	0.010	0.00E+000	0.00E+000	0.0000
3	Dump BAN	48.000	0.010	0.00E+000	0.00E+000	0.0000
4	Collect BAN	24.000	0.010	0.00E+000	0.00E+000	0.0000

BKF469 22F267 BAN

Date:2022-06-23,9:54:47 PM
 Data File:c:\n2000\data\gpc2\062322\GPC2-0001
 Method File:E:\GPC2_InHouse.mtd

Analyst:°CCT
 Date/Time:2022-06-23,9:54:48 PM



Results

Peak No.	Peak ID	Ret Time	Height	Area	Conc
1		22.265	1808.948	109399.047	0.0305
2		25.465	3073.679	161240.500	0.0450
3		27.665	6356.370	605489.625	0.1689
4		29.265	9572.235	823467.063	0.2298
5		34.265	1326312.500	199784656.000	55.7441
6		39.732	776458.750	156711776.000	43.7259
7		51.065	2164.530	200001.922	0.0558
Total			2125747.012	358396030.156	100.000

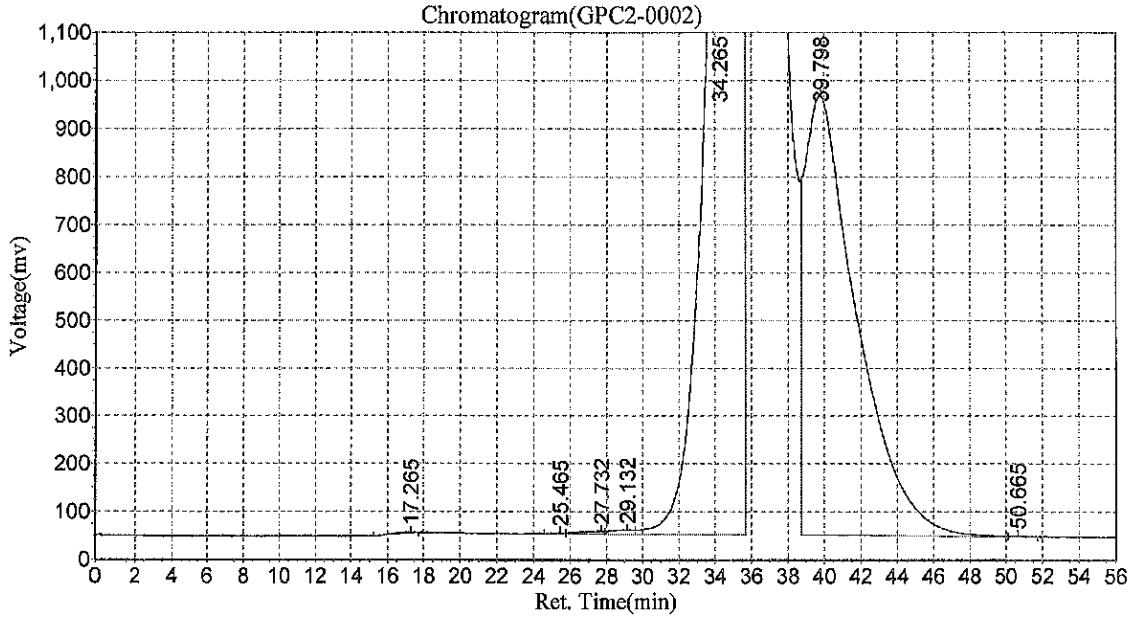
Ingredient Table

No	Peak ID	Ret Time	Peak Width	Factor1	Factor2	ISTD Wt.
1	Collect Pest	29.000	0.010	0.00E+000	0.00E+000	0.0000
2	Dump Pest	46.000	0.010	0.00E+000	0.00E+000	0.0000
3	Dump BAN	48.000	0.010	0.00E+000	0.00E+000	0.0000
4	Collect BAN	24.000	0.010	0.00E+000	0.00E+000	0.0000

BKF469 22F267 BAN

Date:2022-06-23,10:52:29 PM
 Data File:c:\n2000\data\gpc2\062322\GPC2-0002
 Method File:E:\GPC2_InHouse.mtd

Analyst:°CCT
 Date/Time:2022-06-23,10:52:30 PM



Results

Peak No.	Peak ID	Ret Time	Height	Area	Conc
1		17.265	2731.819	240912.984	0.0607
2		25.465	3528.135	188705.750	0.0476
3		27.732	7411.162	700678.313	0.1766
4		29.132	9928.913	894076.813	0.2253
5		34.265	1322514.000	212643296.000	53.5929
6		39.798	918800.438	181960880.000	45.8599
7		50.665	2194.663	146791.031	0.0370
Total			2267109.130	396775340.891	100.000

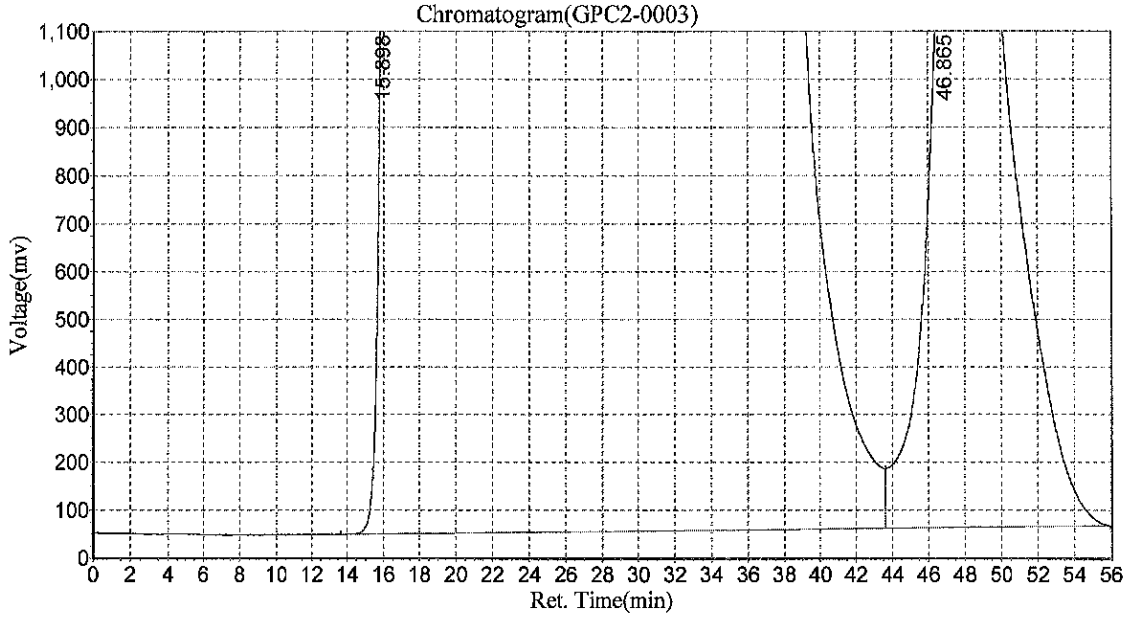
Ingredient Table

No	Peak ID	Ret Time	Peak Width	Factor1	Factor2	ISTD Wt.
1	Collect Pest	29.000	0.010	0.00E+000	0.00E+000	0.0000
2	Dump Pest	46.000	0.010	0.00E+000	0.00E+000	0.0000
3	Dump BAN	48.000	0.010	0.00E+000	0.00E+000	0.0000
4	Collect BAN	24.000	0.010	0.00E+000	0.00E+000	0.0000

BKF469 22F267 BAN

Date:2022-06-23,11:50:12 PM
 Data File:c:\n2000\data\gpc2\062322\GPC2-0003
 Method File:E:\GPC2_InHouse.mtd

Analyst:°CCT
 Date/Time:2022-06-23,11:50:13 PM



Results

Peak No.	Peak ID	Ret Time	Height	Area	Conc
1		15.898	1328865.250	1963738624.000	81.3403
2		46.865	1313330.875	450488352.000	18.6597
Total			2642196.125	2414226976.000	100.000

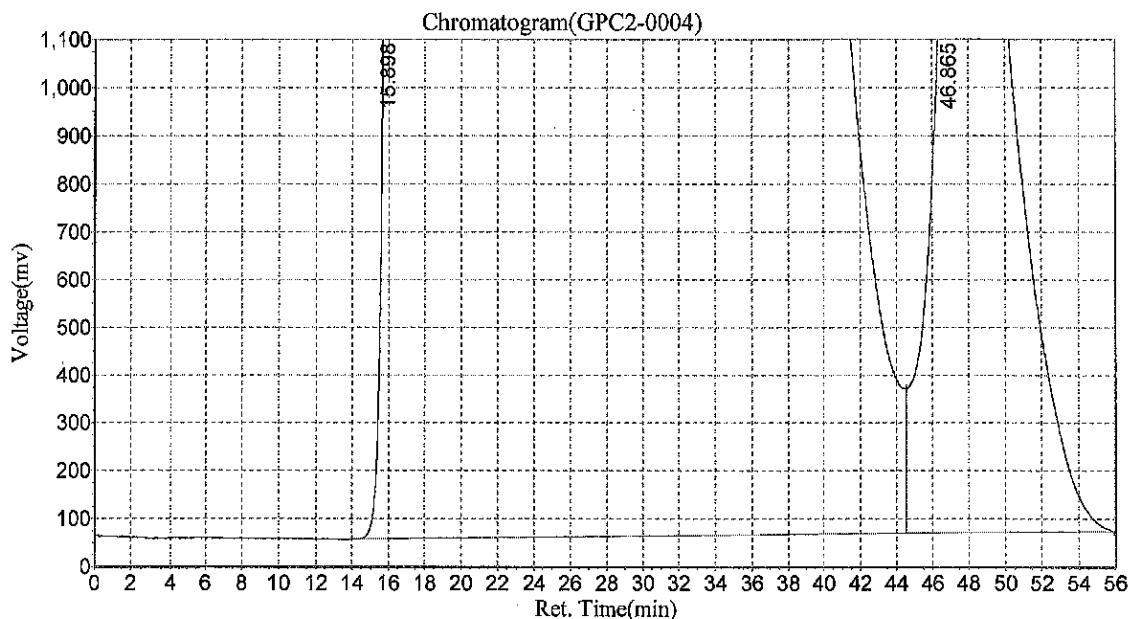
Ingredient Table

No	Peak ID	Ret Time	Peak Width	Factor1	Factor2	ISTD Wt.
1	Collect Pest	29.000	0.010	0.00E+000	0.00E+000	0.0000
2	Dump Pest	46.000	0.010	0.00E+000	0.00E+000	0.0000
3	Dump BAN	48.000	0.010	0.00E+000	0.00E+000	0.0000
4	Collect BAN	24.000	0.010	0.00E+000	0.00E+000	0.0000

BKF469 22F267 BAN

Date:2022-06-24,12:47:53 AM
 Data File:c:\n2000\data\gpc2\062322\GPC2-0004
 Method File:E:\GPC2_InHouse.mtd

Analyst:°CCT
 Date/Time:2022-06-24,12:47:54 AM



Results

Peak No.	Peak ID	Ret Time	Height	Area	Conc
1		15.898	1321441.125	2138112896.000	82.4606
2		46.865	1306029.000	454778272.000	17.5394
Total			2627470.125	2592891168.000	100.000

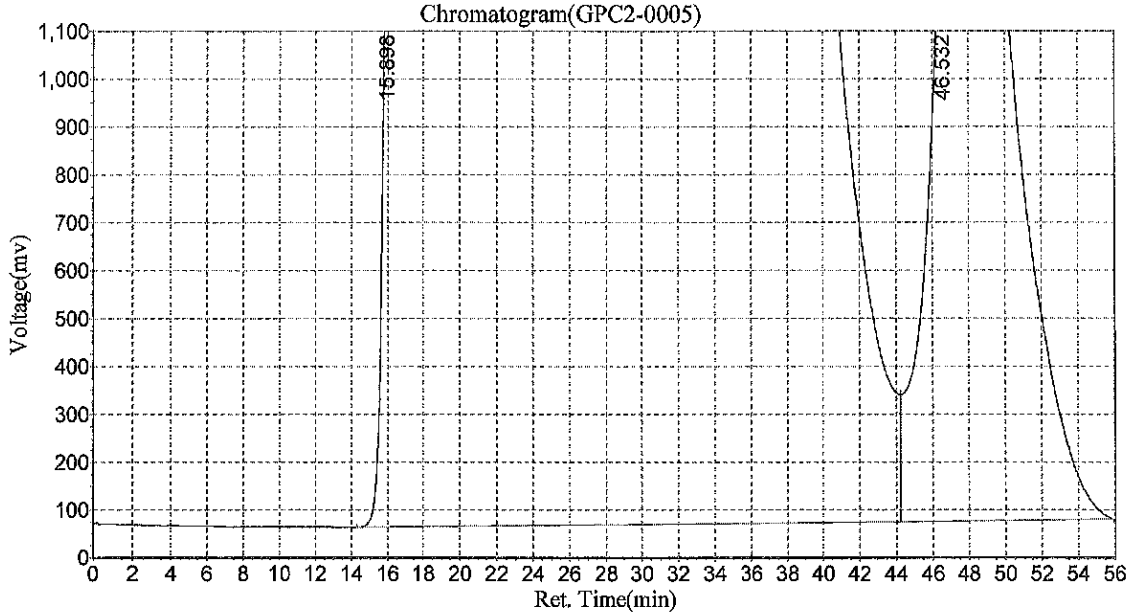
Ingredient Table

No	Peak ID	Ret Time	Peak Width	Factor1	Factor2	ISTD Wt.
1	Collect Pest	29.000	0.010	0.00E+000	0.00E+000	0.0000
2	Dump Pest	46.000	0.010	0.00E+000	0.00E+000	0.0000
3	Dump BAN	48.000	0.010	0.00E+000	0.00E+000	0.0000
4	Collect BAN	24.000	0.010	0.00E+000	0.00E+000	0.0000

BKF469 22F267 BAN

Date:2022-06-24,1:45:37 AM
 Data File:c:\n2000\data\gpc2\062322\GPC2-0005
 Method File:E:\GPC2_InHouse.mtd

Analyst:£°CCT
 Date/Time:2022-06-24,1:45:38 AM



Results

Peak No.	Peak ID	Ret Time	Height	Area	Conc
1		15.898	1315296.125	2081832704.000	81.4997
2		46.532	1300524.625	472571360.000	18.5003
Total			2615820.750	2554404064.000	100.000

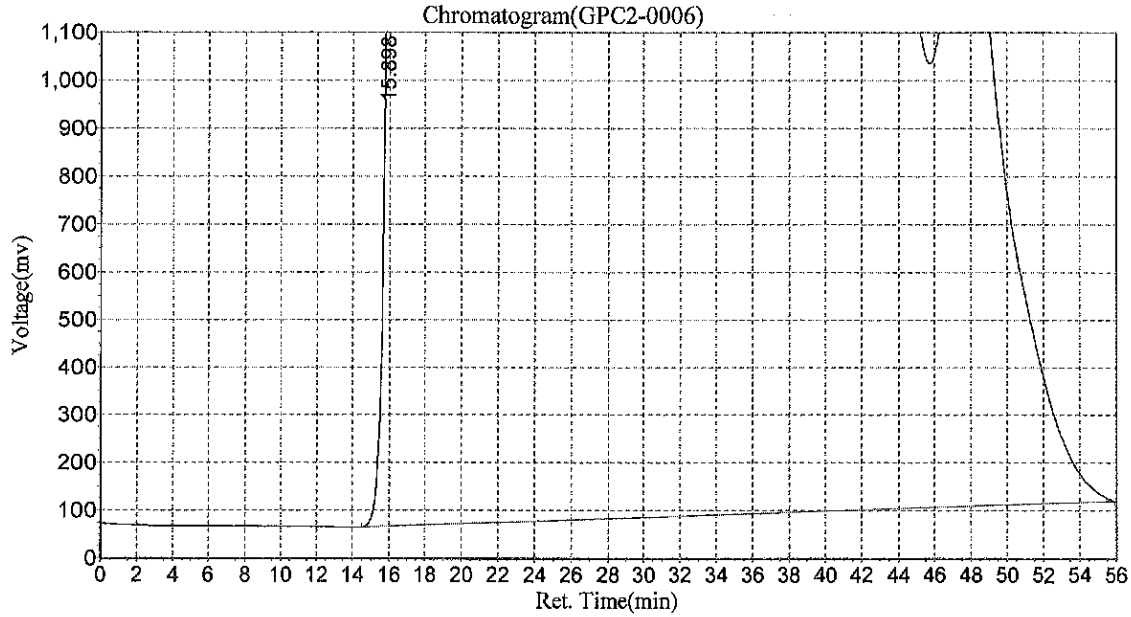
Ingredient Table

No	Peak ID	Ret Time	Peak Width	Factor1	Factor2	ISTD Wt.
1	Collect Pest	29.000	0.010	0.00E+000	0.00E+000	0.0000
2	Dump Pest	46.000	0.010	0.00E+000	0.00E+000	0.0000
3	Dump BAN	48.000	0.010	0.00E+000	0.00E+000	0.0000
4	Collect BAN	24.000	0.010	0.00E+000	0.00E+000	0.0000

BKF469 22F267 BAN

Date:2022-06-24,2:43:19 AM
 Data File:c:\n2000\data\gpc2\062322\GPC2-0006
 Method File:E:\GPC2_InHouse.mtd

Analyst:°CCT
 Date/Time:2022-06-24,2:43:20 AM



Results

Peak No.	Peak ID	Ret Time	Height	Area	Conc
1		15.898	1312428.875	2661842944.000	100.0000
Total			1312428.875	2661842944.000	100.000

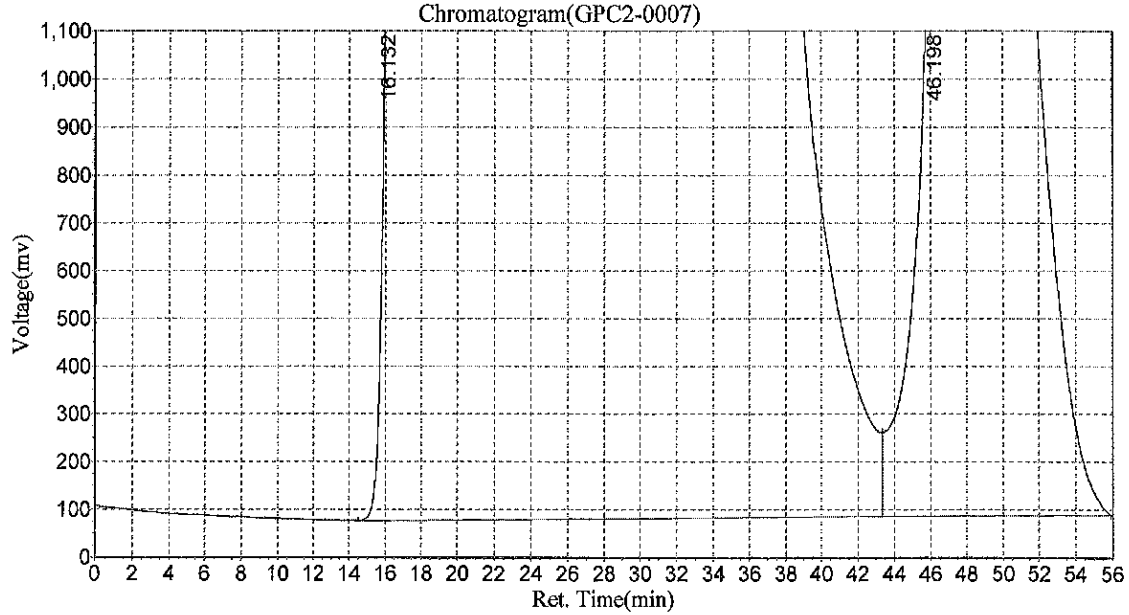
Ingredient Table

No	Peak ID	Ret Time	Peak Width	Factor1	Factor2	ISTD Wt.
1	Collect Pest	29.000	0.010	0.00E+000	0.00E+000	0.0000
2	Dump Pest	46.000	0.010	0.00E+000	0.00E+000	0.0000
3	Dump BAN	48.000	0.010	0.00E+000	0.00E+000	0.0000
4	Collect BAN	24.000	0.010	0.00E+000	0.00E+000	0.0000

BKF469 22F267 BAN

Date:2022-06-24,3:41:07 AM
 Data File:c:\n2000\data\gpc2\062322\GPC2-0007
 Method File:E:\GPC2_InHouse.mtd

Analyst:°CCT
 Date/Time:2022-06-24,3:41:08 AM



Results

Peak No.	Peak ID	Ret Time	Height	Area	Conc
1		16.132	1302130.125	1918041856.000	76.0685
2		46.198	1290518.750	603425344.000	23.9315
Total			2592648.875	2521467200.000	100.000

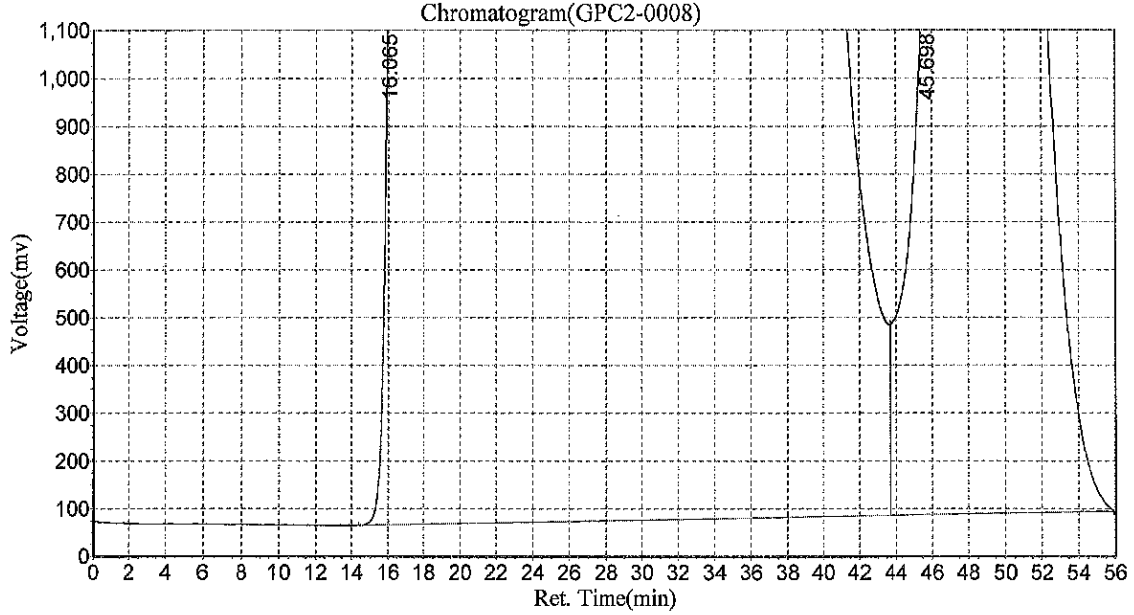
Ingredient Table

No	Peak ID	Ret Time	Peak Width	Factor1	Factor2	ISTD Wt.
1	Collect Pest	29.000	0.010	0.00E+000	0.00E+000	0.0000
2	Dump Pest	46.000	0.010	0.00E+000	0.00E+000	0.0000
3	Dump BAN	48.000	0.010	0.00E+000	0.00E+000	0.0000
4	Collect BAN	24.000	0.010	0.00E+000	0.00E+000	0.0000

BKF469 22F267 BAN

Date:2022-06-24,4:38:48 AM
 Data File:c:\n2000\data\gpc2\062322\GPC2-0008
 Method File:E:\GPC2_InHouse.mtd

Analyst:°CCT
 Date/Time:2022-06-24,4:38:49 AM



Results

Peak No.	Peak ID	Ret Time	Height	Area	Conc
1		16.065	1312827.625	2073223936.000	76.0445
2		45.698	1288449.500	653107584.000	23.9555
Total			2601277.125	2726331520.000	100.000

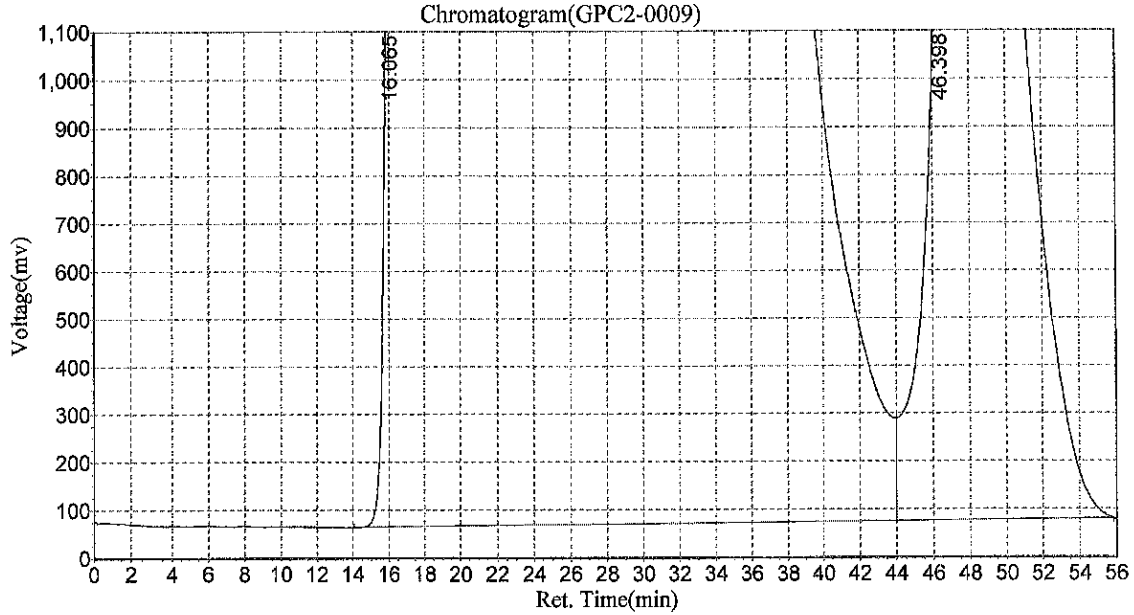
Ingredient Table

No	Peak ID	Ret Time	Peak Width	Factor1	Factor2	ISTD Wt.
1	Collect Pest	29.000	0.010	0.00E+000	0.00E+000	0.0000
2	Dump Pest	46.000	0.010	0.00E+000	0.00E+000	0.0000
3	Dump BAN	48.000	0.010	0.00E+000	0.00E+000	0.0000
4	Collect BAN	24.000	0.010	0.00E+000	0.00E+000	0.0000

BKF469 22F267 BAN

Date:2022-06-24,5:36:32 AM
 Data File:c:\n2000\data\gpc2\062322\GPC2-0009
 Method File:E:\GPC2_InHouse.mtd

Analyst:°CCT
 Date/Time:2022-06-24,5:36:33 AM



Results

Peak No.	Peak ID	Ret Time	Height	Area	Conc
1		16.065	1314471.875	1999283328.000	79.2055
2		46.398	1299681.750	524887872.000	20.7945
Total			2614153.625	2524171200.000	100.000

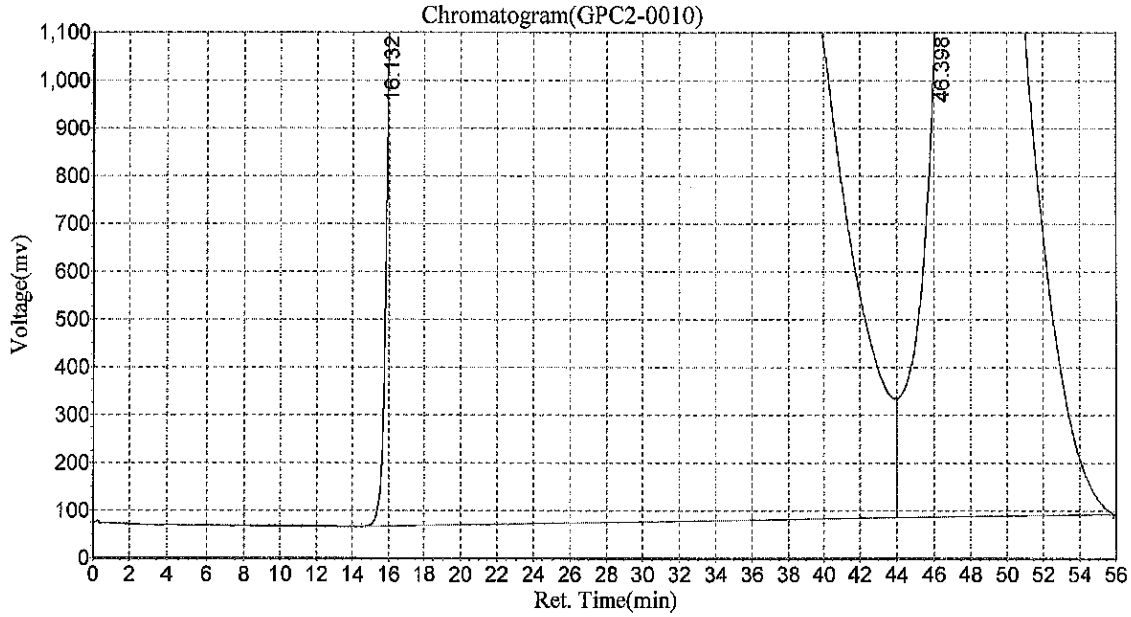
Ingredient Table

No	Peak ID	Ret Time	Peak Width	Factor1	Factor2	ISTD Wt.
1	Collect Pest	29.000	0.010	0.00E+000	0.00E+000	0.0000
2	Dump Pest	46.000	0.010	0.00E+000	0.00E+000	0.0000
3	Dump BAN	48.000	0.010	0.00E+000	0.00E+000	0.0000
4	Collect BAN	24.000	0.010	0.00E+000	0.00E+000	0.0000

BKF469 22F267 BAN

Date:2022-06-24,6:34:13 AM
 Data File:c:\n2000\data\gpc2\062322\GPC2-0010
 Method File:E:\GPC2_InHouse.mtd

Analyst:°CCT
 Date/Time:2022-06-24,6:34:14 AM



Results

Peak No.	Peak ID	Ret Time	Height	Area	Conc
1		16.132	1311965.250	2000430080.000	79.3066
2		46.398	1289150.125	521970144.000	20.6934
Total			2601115.375	2522400224.000	100.000

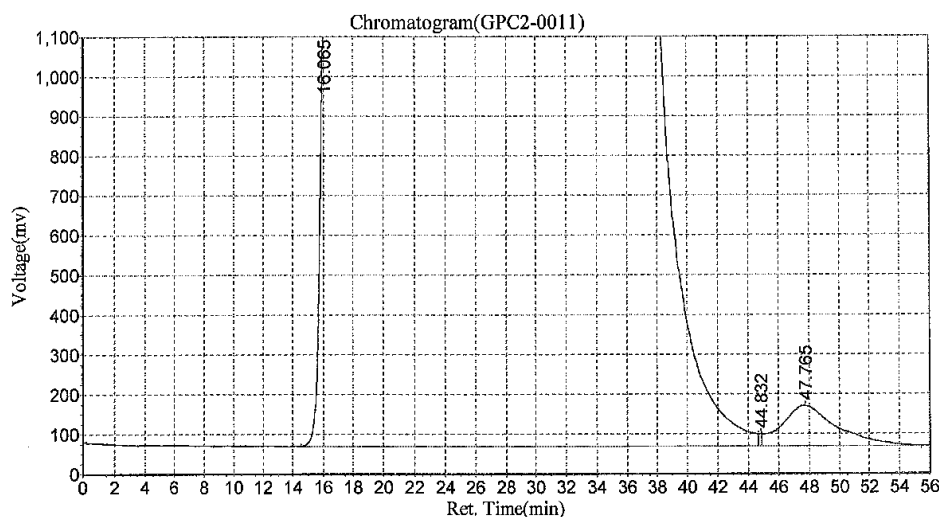
Ingredient Table

No	Peak ID	Ret Time	Peak Width	Factor1	Factor2	ISTD Wt.
1	Collect Pest	29.000	0.010	0.00E+000	0.00E+000	0.0000
2	Dump Pest	46.000	0.010	0.00E+000	0.00E+000	0.0000
3	Dump BAN	48.000	0.010	0.00E+000	0.00E+000	0.0000
4	Collect BAN	24.000	0.010	0.00E+000	0.00E+000	0.0000

BKF469 22F267 BAN

Date:2022-06-24,7:31:57 AM
 Data File:c:\n2000\data\gpc2\062322\GPC2-0011
 Method File:E:\GPC2_InHouse.mtd

Analyst:°CCT
 Date/Time:2022-06-24,7:31:58 AM



Results

Peak No.	Peak ID	Ret Time	Height	Area	Conc
1		16.065	1309769.625	1852426880.000	98.6413
2		44.832	30432.270	360114.469	0.0192
3		47.765	101298.211	25155778.000	1.3395
Total			1441500.105	1877942772.469	100.000

Ingredient Table

No	Peak ID	Ret Time	Peak Width	Factor1	Factor2	ISTD Wt.
1	Collect Pest	29.000	0.010	0.00E+000	0.00E+000	0.0000
2	Dump Pest	46.000	0.010	0.00E+000	0.00E+000	0.0000
3	Dump BAN	48.000	0.010	0.00E+000	0.00E+000	0.0000
4	Collect BAN	24.000	0.010	0.00E+000	0.00E+000	0.0000

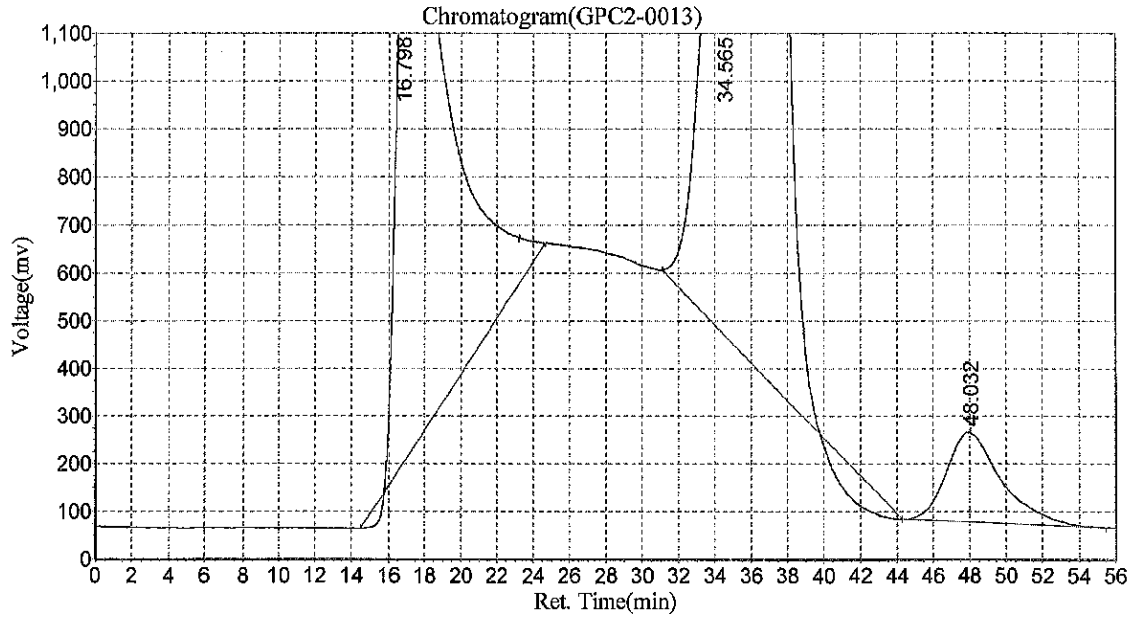
54 56

Conc
6.8383
1.1378
0.5631
0.4214
2.0776
4.5778
80.1777
4.2064
ISTD Wt.
0.0000
0.0000
0.0000
0.0000

BKF469 22F267 BAN

Date:2022-06-24,9:27:22 AM
 Data File:c:\n2000\data\gpc2\062322\GPC2-0013
 Method File:E:\GPC2_InHouse.mtd

Analyst:£°CCT
 Date/Time:2022-06-24,9:27:23 AM



Results

Peak No.	Peak ID	Ret Time	Height	Area	Conc
1		16.798	1180429.375	254405632.000	42.1534
2		34.565	904758.500	309636896.000	51.3049
3		48.032	187432.000	39480604.000	6.5417
Total			2272619.875	603523132.000	100.000

Ingredient Table

No	Peak ID	Ret Time	Peak Width	Factor1	Factor2	ISTD Wt.
1	Collect Pest	29.000	0.010	0.00E+000	0.00E+000	0.0000
2	Dump Pest	46.000	0.010	0.00E+000	0.00E+000	0.0000
3	Dump BAN	48.000	0.010	0.00E+000	0.00E+000	0.0000
4	Collect BAN	24.000	0.010	0.00E+000	0.00E+000	0.0000



CLEANUP BATCH SUMMARY

Laboratory: Analytical Resources, LLC

SDG: 22F0267

Client: GeoEngineers

Project: RG Haley Site-Bellingham

Cleanup Batch: CKF0212

Cleanup Type: GPC

Cleanup Method: EPA 3640A GPC Cleanup 1:1

Analysis: EPA 8270E

SAMPLE NAME	LAB SAMPLE ID	LAB FILE ID	DATE PREPARED	OBSERVATIONS
Z1A-12-MS	22F0267-07	NT1022063013.D	06/28/2022	
Matrix Spike	BKF0469-MS1	NT1022063009.D	06/28/2022	
LCS Dup	BKF0469-BSD1	NT1022063007.D	06/28/2022	
LCS	BKF0469-BS1	NT1022063006.D	06/28/2022	
Blank	BKF0469-BLK1	NT1022063005.D	06/28/2022	
Z1B-4-MS	22F0267-22	NT1022063018.D	06/28/2022	
Z1B-3-MS	22F0267-20	NT1022063017.D	06/28/2022	
Z1B-2-MS	22F0267-18	NT1022063016.D	06/28/2022	
Z1B-1-MS	22F0267-16	NT1022063015.D	06/28/2022	
Z1A-9-MS	22F0267-05	NT1022063012.D	06/28/2022	
Matrix Spike Dup	BKF0469-MSD1	NT1022063010.D	06/28/2022	
Z1A-3-MS	22F0267-01	NT1022063008.D	06/28/2022	
DUP-1-MS	22F0267-13	NT1022063014.D	06/28/2022	
Z1A-6-MS	22F0267-03	NT1022063011.D	06/28/2022	



CLEANUP BENCH SHEET

CKF0212

Matrix: Solid Cleanup using: Organics - EPA 3640A GPC Cleanup 1:1 Check Standard: CKD0132-GPC1 Printed: 6/28/2022 7:21:04PM

Lab Number	Sample Container	Sample Name	Extract Container	Initial (uL)	Final (uL)	Analysis	Clean Up Date	Cleaned By	Cleanup Comments
22F0267-22	A	Z1B-4-MS	A 02	1	1	VOC (20ug/kg solid or 0.2ug/L low H ₂	6/28/2022	CCT	
22F0267-20	A	Z1B-3-MS	A 02	1	1	VOC (20ug/kg solid or 0.2ug/L low H ₂	6/28/2022	CCT	
22F0267-07	A	Z1A-12-MS	A 02	1	1	VOC (20ug/kg solid or 0.2ug/L low H ₂	6/28/2022	CCT	
22F0267-13	A	DUP-1-MS	A 02	1	1	VOC (20ug/kg solid or 0.2ug/L low H ₂	6/28/2022	CCT	
22F0267-16	A	Z1B-1-MS	A 02	1	1	VOC (20ug/kg solid or 0.2ug/L low H ₂	6/28/2022	CCT	
22F0267-18	A	Z1B-2-MS	A 02	1	1	VOC (20ug/kg solid or 0.2ug/L low H ₂	6/28/2022	CCT	
22F0267-01	A	Z1A-3-MS	A 02	1	1	VOC (20ug/kg solid or 0.2ug/L low H ₂	6/28/2022	CCT	
22F0267-03	A	Z1A-6-MS	A 02	1	1	VOC (20ug/kg solid or 0.2ug/L low H ₂	6/28/2022	CCT	
22F0267-05	A	Z1A-9-MS	A 02	1	1	VOC (20ug/kg solid or 0.2ug/L low H ₂	6/28/2022	CCT	
BKF0469-MSD1	-	Matrix Spike Dup	-	1	1	-	6/28/2022	CCT	
BKF0469-MS1	-	Matrix Spike	-	1	1	-	6/28/2022	CCT	
BKF0469-BLK1	-	Blank	-	1	1	-	6/28/2022	CCT	
BKF0469-BS1	-	LCS	-	1	1	-	6/28/2022	CCT	
BKF0469-BSD1	-	LCS Dup	-	1	1	-	6/28/2022	CCT	



Form I
METHOD BLANK DATA SHEET
EPA 8270E

Blank

Laboratory:	<u>Analytical Resources, LLC</u>	SDG:	<u>22F0267</u>
Client:	<u>GeoEngineers</u>	Project:	<u>RG Haley Site-Bellingham</u>
Matrix:	<u>Water</u>	Laboratory ID:	<u>BKF0450-BLK1</u>
Sampled:	<u>N/A</u>	Prepared:	<u>06/20/22 19:17</u>
Solids:		Preparation:	<u>EPA 3520C (Liq Liq)</u>
Batch:	<u>BKF0450</u>	Sequence:	<u>SKF0267</u>
Instrument:	<u>NT6</u>	Column:	<u>ZB-5MSi</u>
		File ID:	<u>NT622062209.D</u>
		Analyzed:	<u>06/22/22 15:38</u>
		Initial/Final:	<u>500 mL / 0.5 mL</u>
		Calibration:	<u>FE00035</u>

CAS NO.	COMPOUND	DILUTION	CONC. (ug/L)	Q	DL	RL
91-20-3	Naphthalene	1	0.2	U	0.2	1.0
91-57-6	2-Methylnaphthalene	1	0.2	U	0.2	1.0
83-32-9	Acenaphthene	1	0.3	U	0.3	1.0
87-86-5	Pentachlorophenol	1	2.6	U	2.6	10.0
85-01-8	Phenanthrene	1	0.2	U	0.2	1.0
206-44-0	Fluoranthene	1	0.4	U	0.4	1.0
56-55-3	Benzo(a)anthracene	1	0.4	U	0.4	1.0
218-01-9	Chrysene	1	0.4	U	0.4	1.0
205-99-2	Benzo(b)fluoranthene	1	0.4	U	0.4	1.0
207-08-9	Benzo(k)fluoranthene	1	0.4	U	0.4	1.0
50-32-8	Benzo(a)pyrene	1	0.5	U	0.5	1.0
193-39-5	Indeno(1,2,3-cd)pyrene	1	0.4	U	0.4	1.0
53-70-3	Dibenzo(a,h)anthracene	1	0.4	U	0.4	1.0
90-12-0	1-Methylnaphthalene	1	0.3	U	0.3	1.0

SURROGATES	ADDED (ug/L)	CONC. (ug/L)	% REC	QC LIMITS	Q
2-Fluorophenol	37.500	30.6	81.6	33 - 120	
Phenol-d5	37.500	30.5	81.3	38 - 120	
2-Chlorophenol-d4	37.500	31.8	84.7	41 - 120	
1,2-Dichlorobenzene-d4	25.000	19.6	78.6	20 - 120	
Nitrobenzene-d5	25.000	22.5	90.0	27 - 120	
2-Fluorobiphenyl	25.000	20.6	82.6	33 - 120	
2,4,6-Tribromophenol	37.500	33.4	89.1	52 - 120	
p-Terphenyl-d14	25.000	21.4	85.6	28 - 120	

Data File: \\target\share\chem3\nt6.1\20220622.B\NT622062209.D

Date: 22-JUN-2022 15:38

Client ID:

Sample Info: BKF0450-BLK1,

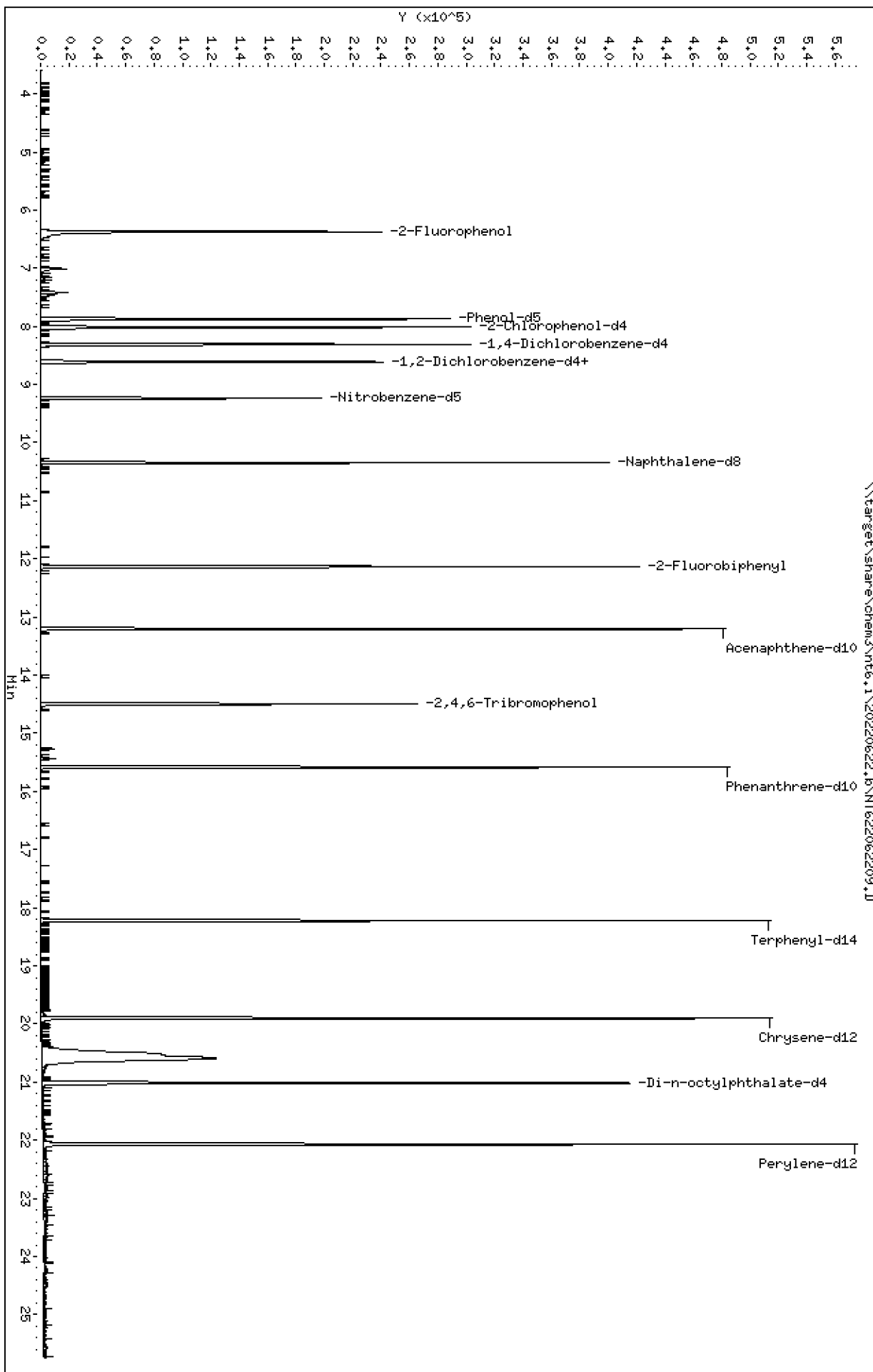
Column phase: ZB-5msi

Instrument: nt6.1

Operator: JZ

Column diameter: 0.32

\\target\share\chem3\nt6.1\20220622.B\NT622062209.D



Date : 22-JUN-2022 15:38

Client ID:

Instrument: nt6.i

Sample Info: BKF0450-BLK1,

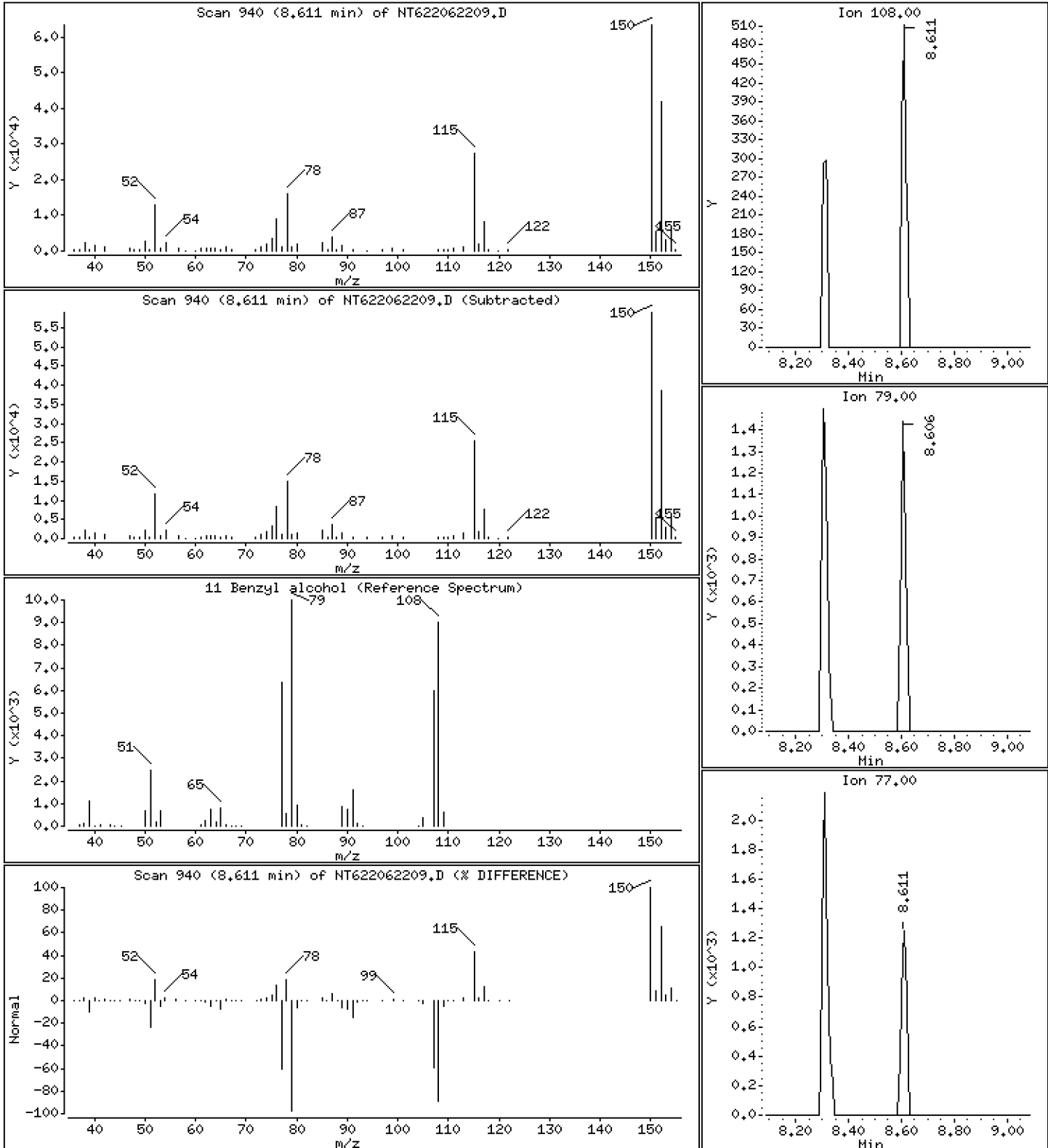
Operator: JZ

Column phase: ZB-5msi

Column diameter: 0.32

11 Benzyl alcohol

Concentration: 0.2468 ug/mL



ARI Labs, Inc.

Semivolatile Report SW846 Method 8270D

Data file : \\target\share\chem3\nt6.i\20220622.b\NT622062209.D
 Lab Smp Id: BKF0450-BLK1
 Inj Date : 22-JUN-2022 15:38
 Operator : JZ Inst ID: nt6.i
 Smp Info : BKF0450-BLK1,
 Misc Info : 22-
 Comment : 1ul Injection
 Method : \\target\share\chem3\nt6.i\20220622.b\SW84620220516.m
 Meth Date : 24-Jun-2022 18:07 jianqing Quant Type: ISTD
 Cal Date : 16-MAY-2022 18:52 Cal File: NT622051604.D
 Als bottle: 9
 Dil Factor: 1.00000
 Integrator: HP RTE Compound Sublist: LLM DL.sub
 Target Version: 4.14
 Processing Host: JIANQING-202105

Compounds	QUANT	SIG	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS	
							ON-COLUMN	FINAL
	MASS						(ug/mL)	(ug/mL)
=====	====		====	=====	=====	=====	=====	=====
\$ 1 2-Fluorophenol	112		6.373	6.370	(0.767)	125953	30.5934	30.59
\$ 2 Phenol-d5	99		7.874	7.877	(0.947)	143514	30.4730	30.47
3 Phenol	94		Compound Not Detected.					
\$ 5 2-Chlorophenol-d4	132		8.012	8.016	(0.964)	135231	31.7691	31.77
4 Bis(2-Chloroethyl)ether	93		Compound Not Detected.					
6 2-Chlorophenol	128		Compound Not Detected.					
7 1,3-Dichlorobenzene	146		Compound Not Detected.					
* 8 1,4-Dichlorobenzene-d4	152		8.312	8.309	(1.000)	76170	20.0000	
9 1,4-Dichlorobenzene	146		Compound Not Detected.					
\$ 10 1,2-Dichlorobenzene-d4	152		8.611	8.608	(1.036)	59834	19.6412	19.64
12 1,2-Dichlorobenzene	146		Compound Not Detected.					
11 Benzyl alcohol	108		8.611	8.587	(1.036)	631	0.24681	0.2468
14 2,2'-oxybis(1-Chloropropane)	45		Compound Not Detected.					
13 2-Methylphenol	108		Compound Not Detected.					
17 Hexachloroethane	117		Compound Not Detected.					
16 N-Nitroso-di-n-propylamine	70		Compound Not Detected.					
15 4-Methylphenol	108		Compound Not Detected.					
\$ 18 Nitrobenzene-d5	82		9.236	9.239	(0.893)	90545	22.4938	22.49
19 Nitrobenzene	77		Compound Not Detected.					
20 Isophorone	82		Compound Not Detected.					
21 2-Nitrophenol	139		Compound Not Detected.					
22 2,4-Dimethylphenol	107		Compound Not Detected.					
23 Bis(2-Chloroethoxy)methane	93		Compound Not Detected.					
24 Benzoic acid	105		Compound Not Detected.					
25 2,4-Dichlorophenol	162		Compound Not Detected.					
26 1,2,4-Trichlorobenzene	180		Compound Not Detected.					
* 27 Naphthalene-d8	136		10.347	10.350	(1.000)	262137	20.0000	
28 Naphthalene	128		Compound Not Detected.					
29 4-Chloroaniline	127		Compound Not Detected.					
30 Hexachlorobutadiene	225		Compound Not Detected.					
31 4-Chloro-3-methylphenol	107		Compound Not Detected.					
32 2-Methylnaphthalene	141		Compound Not Detected.					
33 Hexachlorocyclopentadiene	237		Compound Not Detected.					

Compounds	QUANT MASS	SIG	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS	
							ON-COLUMN (ug/mL)	FINAL (ug/mL)
34 2,4,6-Trichlorophenol	196							
35 2,4,5-Trichlorophenol	196							
\$ 36 2-Fluorobiphenyl	172		12.136	12.133	(0.919)	207615	20.6380	20.64
37 2-Chloronaphthalene	162							
38 2-Nitroaniline	65							
39 Dimethylphthalate	163							
40 Acenaphthylene	152							
41 2,6-Dinitrotoluene	165							
* 42 Acenaphthene-d10	164		13.204	13.207	(1.000)	165366	20.0000	
43 3-Nitroaniline	138							
44 Acenaphthene	153							
45 2,4-Dinitrophenol	184							
46 Dibenzofuran	168							
47 4-Nitrophenol	109							
48 2,4-Dinitrotoluene	165							
50 Diethylphthalate	149							
49 Fluorene	166							
51 4-Chlorophenyl-phenylether	204							
52 4-Nitroaniline	138							
53 4,6-Dinitro-2-methylphenol	198							
54 N-Nitrosodiphenylamine	169							
\$ 55 2,4,6-Tribromophenol	330		14.497	14.500	(1.098)	46993	33.3981	33.40
56 4-Bromophenyl-phenylether	248							
57 Hexachlorobenzene	284							
58 Pentachlorophenol	266							
* 59 Phenanthrene-d10	188		15.581	15.584	(1.000)	290460	20.0000	
60 Phenanthrene	178							
61 Anthracene	178							
62 Carbazole	167							
63 Di-n-butylphthalate	149							
64 Fluoranthene	202							
65 Pyrene	202							
\$ 66 Terphenyl-d14	244		18.219	18.222	(0.915)	296885	21.3899	21.39
67 Butylbenzylphthalate	149							
68 Benzo(a)anthracene	228							
* 69 Chrysene-d12	240		19.902	19.905	(1.000)	291959	20.0000	
70 3,3'-Dichlorobenzidine	252							
71 Chrysene	228							
72 bis(2-Ethylhexyl)phthalate	149							
* 134 Di-n-octylphthalate-d4	153		21.013	21.021	(1.000)	369126	20.0000	
73 Di-n-octylphthalate	149							
74 Benzo(b)fluoranthene	252							
75 Benzo(k)fluoranthene	252							
76 Benzo(a)pyrene	252							
* 77 Perylene-d12	264		22.070	22.068	(1.000)	331722	20.0000	
78 Indeno(1,2,3-cd)pyrene	276							
79 Dibenzo(a,h)anthracene	278							
80 Benzo(g,h,i)perylene	276							
90 N-Nitrosodimethylamine	74							
103 Pyridine	79							
105 1-methylnaphthalene	141							
111 Azobenzene (1,2-DP-Hydrazine)	77							
187 Total Benzofluoranthenes	252							
144 alpha-Terpineol	59							

Compounds	QUANT SIG	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS	
	MASS					ON-COLUMN	FINAL
=====	====	====	=====	=====	=====	=====	

ARI Labs, Inc.

INTERNAL STANDARD COMPOUNDS
 AREA AND RT SUMMARY

Instrument ID: nt6.i Calibration Date: 22-JUN-2022
 Lab File ID: NT622062209.D Calibration Time: 10:58
 Lab Smp Id: BKF0450-BLK1
 Analysis Type: SV Level:
 Quant Type: ISTD Sample Type:
 Operator: JZ
 Method File: \\target\share\chem3\nt6.i\20220622.b\SW84620220516.m
 Misc Info: 22-

Test Mode:
 Use Last Continuing Calibrator.

COMPOUND	STANDARD	AREA LIMIT		SAMPLE	%DIFF
		LOWER	UPPER		
8 1,4-Dichlorobenze	56102	28051	112204	76170	35.77
27 Naphthalene-d8	190364	95182	380728	262137	37.70
42 Acenaphthene-d10	122124	61062	244248	165366	35.41
59 Phenanthrene-d10	231281	115641	462562	290460	25.59
69 Chrysene-d12	202750	101375	405500	291959	44.00
134 Di-n-octylphthala	284466	142233	568932	369126	29.76
77 Perylene-d12	214859	107430	429718	331722	54.39

COMPOUND	STANDARD	RT LIMIT		SAMPLE	%DIFF
		LOWER	UPPER		
8 1,4-Dichlorobenze	8.31	7.81	8.81	8.31	0.03
27 Naphthalene-d8	10.35	9.85	10.85	10.35	-0.03
42 Acenaphthene-d10	13.21	12.71	13.71	13.20	-0.02
59 Phenanthrene-d10	15.58	15.08	16.08	15.58	-0.02
69 Chrysene-d12	19.91	19.41	20.41	19.90	-0.02
134 Di-n-octylphthala	21.02	20.52	21.52	21.01	-0.04
77 Perylene-d12	22.07	21.57	22.57	22.07	0.01

AREA UPPER LIMIT = +100% of internal standard area.
 AREA LOWER LIMIT = - 50% of internal standard area.
 RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
 RT LOWER LIMIT = - 0.50 minutes of internal standard RT.

REVIEW SUMMARY FOR FILE - NT622062209.D

Lab ID: BKF0450-BLK1

nt6.i, SW84620220516.m, 22-JUN-2022 15:38

RT CO-ELUTION COMPOUNDS

8.611 1,2-Dichlorobenzene-d4 and Benzyl alcohol

Quant Method: ICAL

No RRT check performed

On Column LOD for nt6.i, SW84620220516.m, LLMDL.sub = 0.2000

* Only compounds listed in the work order have been verified by the analyst *



Form I
METHOD BLANK DATA SHEET
EPA 8270E

Blank

Laboratory: Analytical Resources, LLC SDG: 22F0267
 Client: GeoEngineers Project: RG Haley Site-Bellingham
 Matrix: Solid Laboratory ID: BKF0469-BLK1 File ID: NT1022063005.D
 Sampled: N/A Prepared: 06/21/22 13:45 Analyzed: 06/30/22 16:07
 Solids: Preparation: EPA 3546 (Microwave) Initial/Final: 10 g / 1 mL
 Batch: BKF0469 Sequence: SKG0010 Calibration: FF00062
 Instrument: NT10 Column: ZB-5MSi Cleanups: GPC

CAS NO.	COMPOUND	DILUTION	CONC: (ug/kg wet)	Q	DL	RL
91-20-3	Naphthalene	1	4.2	U	4.2	20.0
91-57-6	2-Methylnaphthalene	1	4.5	U	4.5	20.0
83-32-9	Acenaphthene	1	5.2	U	5.2	20.0
87-86-5	Pentachlorophenol	1	31.3	U	31.3	100
85-01-8	Phenanthrene	1	8.7	U	8.7	20.0
206-44-0	Fluoranthene	1	6.1	U	6.1	20.0
56-55-3	Benzo(a)anthracene	1	6.0	U	6.0	20.0
218-01-9	Chrysene	1	6.1	U	6.1	20.0
205-99-2	Benzo(b)fluoranthene	1	7.0	U	7.0	20.0
207-08-9	Benzo(k)fluoranthene	1	5.0	U	5.0	20.0
50-32-8	Benzo(a)pyrene	1	4.2	U	4.2	20.0
193-39-5	Indeno(1,2,3-cd)pyrene	1	14.7	U	14.7	20.0
53-70-3	Dibenzo(a,h)anthracene	1	17.2	U	17.2	20.0
90-12-0	1-Methylnaphthalene	1	5.3	U	5.3	20.0

SURROGATES	ADDED: (ug/kg wet)	FOUND: (ug/kg wet)	% REC	QC LIMITS	Q
2-Fluorophenol	750.00	499	66.5	27 - 120	
Phenol-d5	750.00	487	64.9	29 - 120	
2-Chlorophenol-d4	750.00	645	86.0	31 - 120	
1,2-Dichlorobenzene-d4	500.00	443	88.6	32 - 120	
Nitrobenzene-d5	500.00	424	84.8	30 - 120	
2-Fluorobiphenyl	500.00	469	93.7	35 - 120	
2,4,6-Tribromophenol	750.00	752	100	24 - 134	
p-Terphenyl-d14	500.00	648	130	37 - 120	*

Data File: \\target\share\chem3\nt10.1\20220630.1\NT1022063005.D

Date: 30-JUN-2022 16:07

Client ID:

Sample Info: BKF0469-BLK1

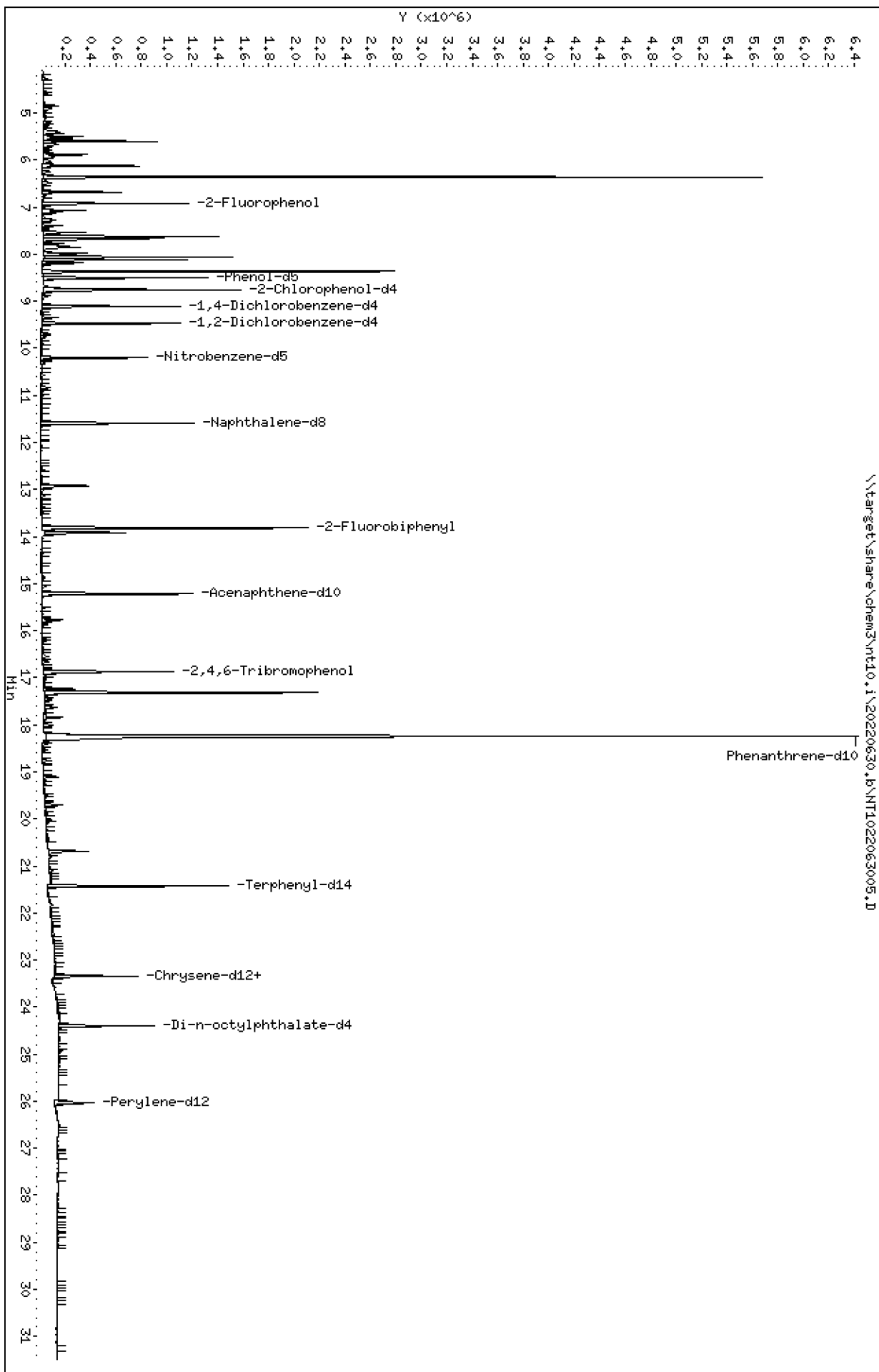
Column phase: ZB-5msi

Instrument: nt10.1

Operator: VTS

Column diameter: 0.25

\\target\share\chem3\nt10.1\20220630.1\NT1022063005.D



Date : 30-JUN-2022 16:07

Client ID:

Instrument: nt10.i

Sample Info: BKF0469-BLK1

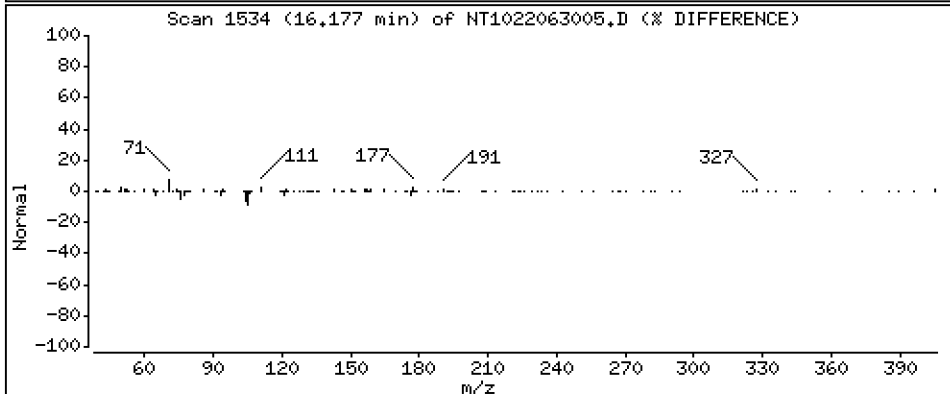
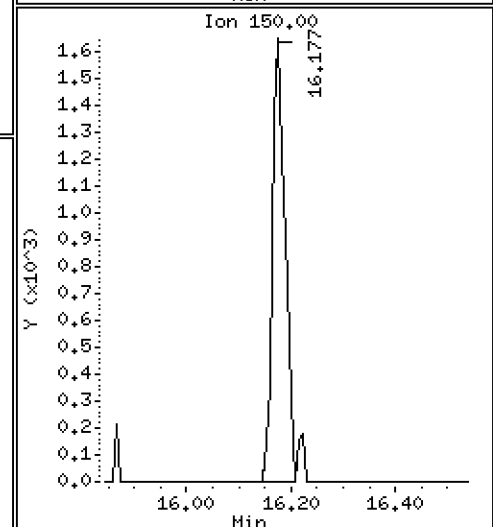
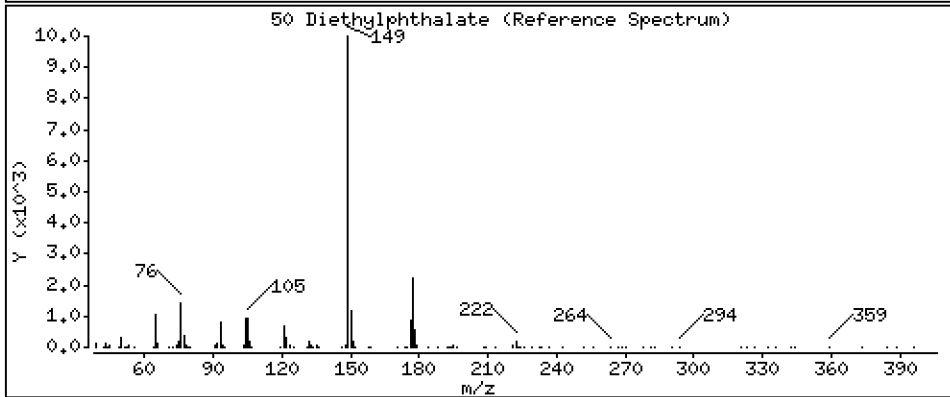
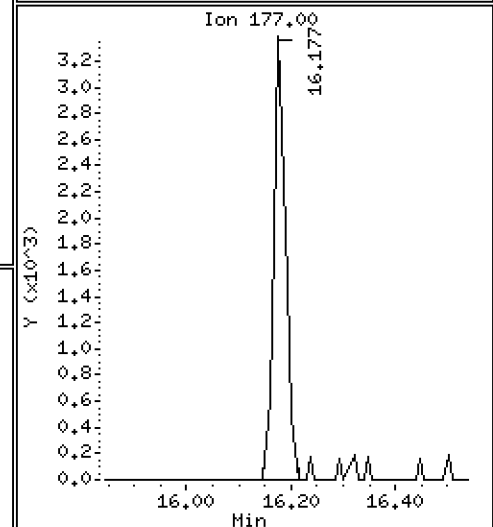
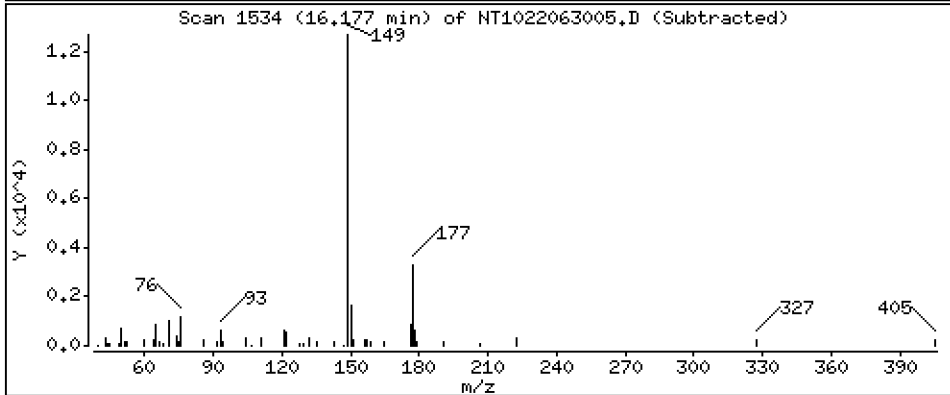
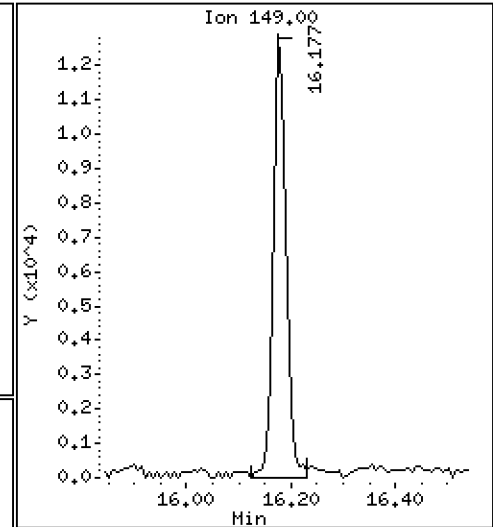
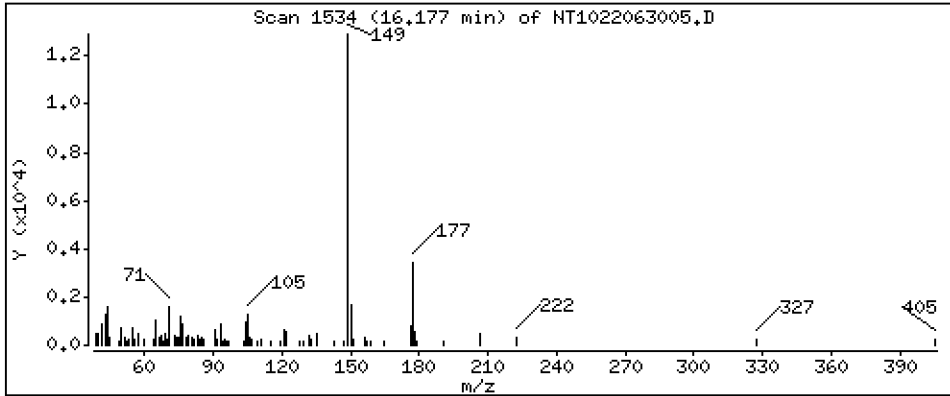
Operator: VTS

Column phase: ZB-5msi

Column diameter: 0,25

50 Diethylphthalate

Concentration: 0,1258 ug/mL



Date : 30-JUN-2022 16:07

Client ID:

Instrument: nt10.i

Sample Info: BKF0469-BLK1

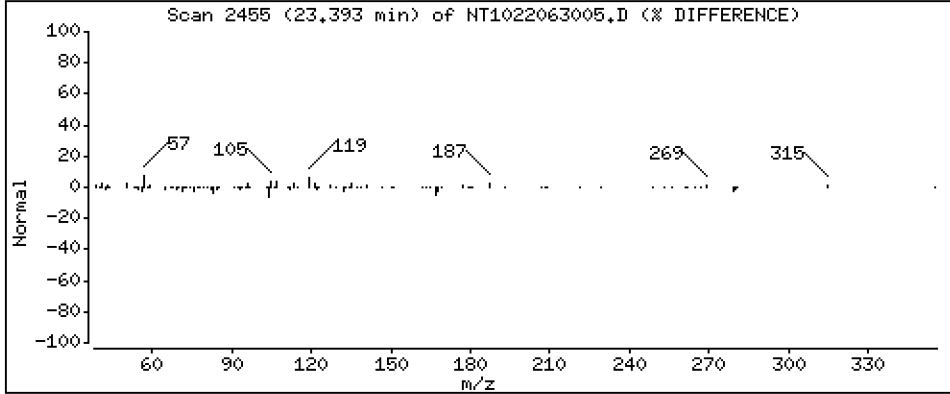
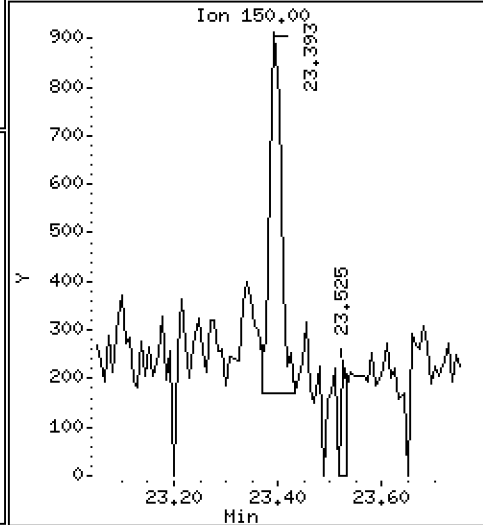
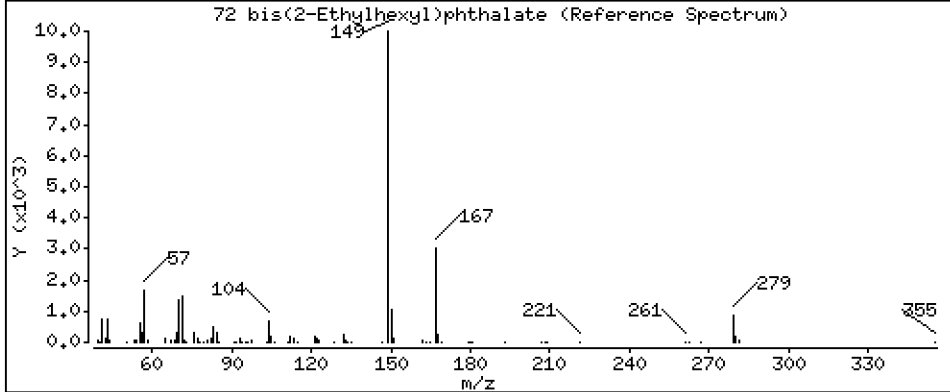
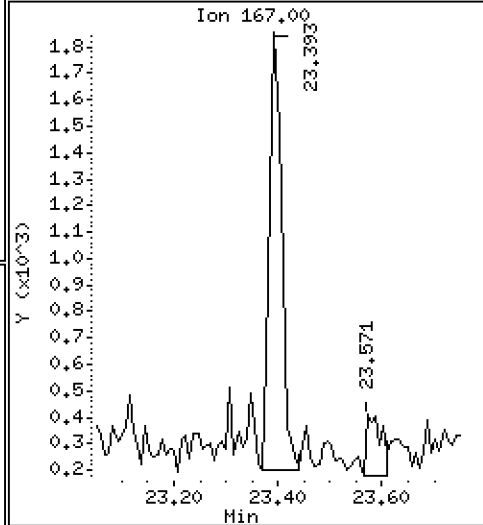
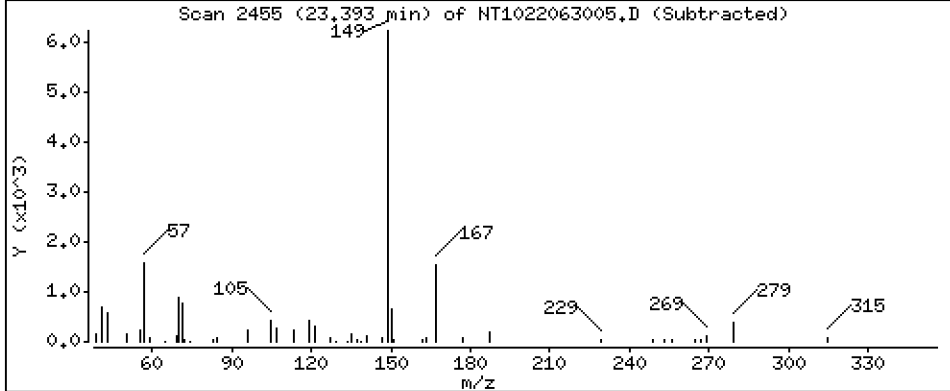
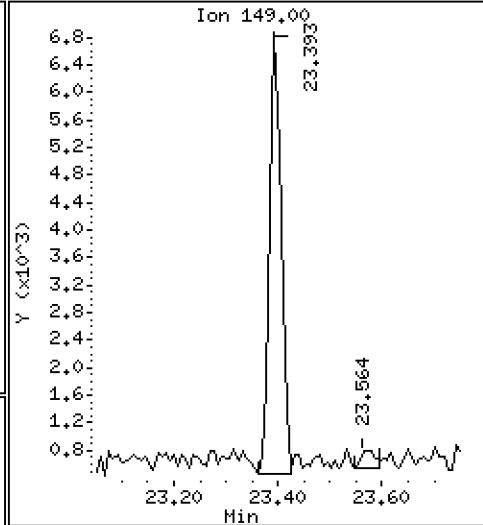
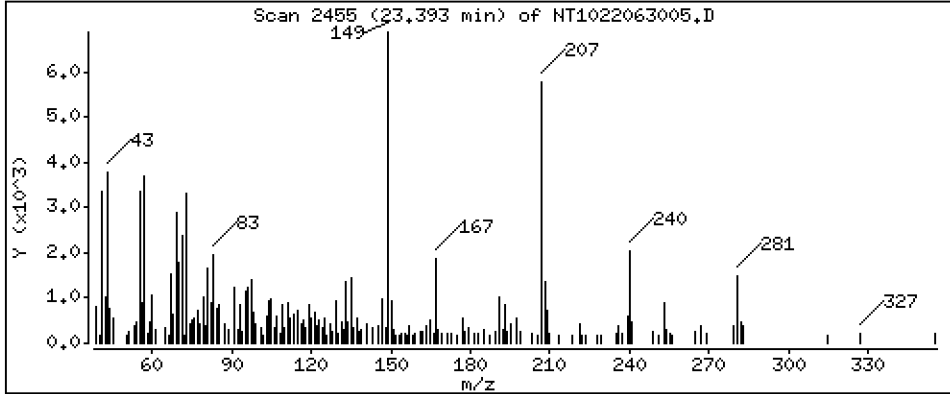
Operator: VTS

Column phase: ZB-5msi

Column diameter: 0,25

72 bis(2-Ethylhexyl)phthalate

Concentration: 0,1447 ug/mL



ARI Labs, Inc.

Semivolatile Report SW846 Method 8270D

Data file : \\target\share\chem3\nt10.i\20220630.b\NT1022063005.D
 Lab Smp Id: BKF0469-BLK1
 Inj Date : 30-JUN-2022 16:07
 Operator : VTS
 Smp Info : BKF0469-BLK1
 Misc Info :
 Comment : 1ul Injection
 Method : \\target\share\chem3\nt10.i\20220630.b\ABN.m
 Meth Date : 01-Jul-2022 17:13 yev
 Cal Date : 23-JUN-2022 13:07
 Als bottle: 4
 Dil Factor: 1.00000
 Integrator: HP RTE
 Target Version: 4.14
 Processing Host: ORGDATA102

Inst ID: nt10.i

Quant Type: ISTD
 Cal File: NT1022062308.D

Compound Sublist: ICAL.sub

Compounds	QUANT	SIG	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS	
							ON-COLUMN	FINAL
	MASS						(ug/mL)	(ug/mL)
=====	=====		=====	=====	=====	=====	=====	=====
\$ 1 2-Fluorophenol	112		6.922	6.922	(0.760)	562209	4.98958	4.990
\$ 2 Phenol-d5	99		8.506	8.513	(0.934)	814358	4.87093	4.871
3 Phenol	94		Compound Not Detected.					
\$ 5 2-Chlorophenol-d4	132		8.761	8.768	(0.962)	740154	6.44674	6.447
4 Bis(2-Chloroethyl)ether	93		Compound Not Detected.					
6 2-Chlorophenol	128		Compound Not Detected.					
7 1,3-Dichlorobenzene	146		Compound Not Detected.					
* 8 1,4-Dichlorobenzene-d4	152		9.109	9.117	(1.000)	308573	4.00000	
9 1,4-Dichlorobenzene	146		Compound Not Detected.					
\$ 10 1,2-Dichlorobenzene-d4	152		9.474	9.474	(1.040)	313330	4.42892	4.429
12 1,2-Dichlorobenzene	146		Compound Not Detected.					
11 Benzyl alcohol	108		Compound Not Detected.					
14 2,2'-oxybis(1-Chloropropane)	121		Compound Not Detected.					
13 2-Methylphenol	108		Compound Not Detected.					
17 Hexachloroethane	117		Compound Not Detected.					
16 N-Nitroso-di-n-propylamine	70		Compound Not Detected.					
15 4-Methylphenol	108		Compound Not Detected.					
\$ 18 Nitrobenzene-d5	82		10.203	10.211	(0.880)	492349	4.24177	4.242
19 Nitrobenzene	77		Compound Not Detected.					
20 Isophorone	82		Compound Not Detected.					
21 2-Nitrophenol	139		Compound Not Detected.					
22 2,4-Dimethylphenol	107		Compound Not Detected.					
23 Bis(2-Chloroethoxy)methane	93		Compound Not Detected.					
24 Benzoic acid	105		Compound Not Detected.					
25 2,4-Dichlorophenol	162		Compound Not Detected.					
26 1,2,4-Trichlorobenzene	180		Compound Not Detected.					
* 27 Naphthalene-d8	136		11.596	11.604	(1.000)	1090835	4.00000	
28 Naphthalene	128		Compound Not Detected.					
29 4-Chloroaniline	127		Compound Not Detected.					
30 Hexachlorobutadiene	225		Compound Not Detected.					
31 4-Chloro-3-methylphenol	107		Compound Not Detected.					
32 2-Methylnaphthalene	142		Compound Not Detected.					
33 Hexachlorocyclopentadiene	237		Compound Not Detected.					

Compounds	QUANT	SIG	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS	
							ON-COLUMN (ug/mL)	FINAL (ug/mL)
34 2,4,6-Trichlorophenol	196							
35 2,4,5-Trichlorophenol	196							
\$ 36 2-Fluorobiphenyl	172		13.817	13.824	(0.908)	1190420	4.68571	4.686
37 2-Chloronaphthalene	162							
38 2-Nitroaniline	65							
39 Dimethylphthalate	163							
40 Acenaphthylene	152							
41 2,6-Dinitrotoluene	165							
* 42 Acenaphthene-d10	164		15.217	15.225	(1.000)	561409	4.00000	
43 3-Nitroaniline	138							
44 Acenaphthene	153							
45 2,4-Dinitrophenol	184							
46 Dibenzofuran	168							
47 4-Nitrophenol	109							
48 2,4-Dinitrotoluene	165							
50 Diethylphthalate	149		16.176	16.191	(1.063)	21250	0.12582	0.1258
49 Fluorene	166							
51 4-Chlorophenyl-phenylether	204							
52 4-Nitroaniline	138							
53 4,6-Dinitro-2-methylphenol	198							
54 N-Nitrosodiphenylamine	169							
\$ 55 2,4,6-Tribromophenol	330		16.878	16.878	(1.109)	192417	7.52073	7.521
56 4-Bromophenyl-phenylether	248							
57 Hexachlorobenzene	284							
58 Pentachlorophenol	266							
* 59 Phenanthrene-d10	188		18.269	18.277	(1.000)	896231	4.00000	
60 Phenanthrene	178							
61 Anthracene	178							
62 Carbazole	167							
63 Di-n-butylphthalate	149							
64 Fluoranthene	202							
65 Pyrene	202							
\$ 66 Terphenyl-d14	244		21.426	21.434	(0.918)	798730	6.47562	6.476
67 Butylbenzylphthalate	149							
68 Benzo(a)anthracene	228							
* 69 Chrysene-d12	240		23.346	23.354	(1.000)	353451	4.00000	
70 3,3'-Dichlorobenzidine	252							
71 Chrysene	228							
72 bis(2-Ethylhexyl)phthalate	149		23.393	23.400	(0.959)	9348	0.14468	0.1447
* 134 Di-n-octylphthalate-d4	153		24.399	24.407	(1.000)	584548	4.00000	
73 Di-n-octylphthalate	149							
74 Benzo(b)fluoranthene	252							
75 Benzo(k)fluoranthene	252							
76 Benzo(a)pyrene	252							
* 77 Perylene-d12	264		26.033	26.041	(1.000)	208303	4.00000	
78 Indeno(1,2,3-cd)pyrene	276							
79 Dibenzo(a,h)anthracene	278							
80 Benzo(g,h,i)perylene	276							
90 N-Nitrosodimethylamine	74							
91 Aniline	93							
93 Benzidine	184							
103 Pyridine	79							
105 1-methylnaphthalene	142							
111 Azobenzene (1,2-DP-Hydrazine)	77							

Compounds	QUANT MASS	SIG	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS	
							ON-COLUMN (ug/mL)	FINAL (ug/mL)
=====	=====	=====	=====	=====	=====	=====	=====	
187 Total Benzofluoranthenes	252					Compound Not Detected.		
120 2,3,4,6-Tetrachlorophenol	232					Compound Not Detected.		

ARI Labs, Inc.

INTERNAL STANDARD COMPOUNDS
 AREA AND RT SUMMARY

Instrument ID: nt10.i Calibration Date: 30-JUN-2022
 Lab File ID: NT1022063005.D Calibration Time: 14:09
 Lab Smp Id: BKF0469-BLK1
 Analysis Type: SV Level:
 Quant Type: ISTD Sample Type:
 Operator: VTS
 Method File: \\target\share\chem3\nt10.i\20220630.b\ABN.m
 Misc Info:

Test Mode:
 Use Last Continuing Calibrator.

COMPOUND	STANDARD	AREA LIMIT		SAMPLE	%DIFF
		LOWER	UPPER		
8 1,4-Dichlorobenze	207392	103696	414784	308573	48.79
27 Naphthalene-d8	696938	348469	1393876	1090835	56.52
42 Acenaphthene-d10	395441	197721	790882	561409	41.97
59 Phenanthrene-d10	603067	301534	1206134	896231	48.61
69 Chrysene-d12	148146	74073	296292	353451	138.58
134 Di-n-octylphthala	308009	154005	616018	584548	89.78
77 Perylene-d12	115550	57775	231100	208303	80.27

<-

COMPOUND	STANDARD	RT LIMIT		SAMPLE	%DIFF
		LOWER	UPPER		
8 1,4-Dichlorobenze	9.12	8.62	9.62	9.11	-0.08
27 Naphthalene-d8	11.60	11.10	12.10	11.60	-0.07
42 Acenaphthene-d10	15.23	14.73	15.73	15.22	-0.05
59 Phenanthrene-d10	18.28	17.78	18.78	18.27	-0.04
69 Chrysene-d12	23.35	22.85	23.85	23.35	-0.03
134 Di-n-octylphthala	24.41	23.91	24.91	24.40	-0.03
77 Perylene-d12	26.04	25.54	26.54	26.03	-0.03

AREA UPPER LIMIT = +100% of internal standard area.
 AREA LOWER LIMIT = - 50% of internal standard area.
 RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
 RT LOWER LIMIT = - 0.50 minutes of internal standard RT.

REVIEW SUMMARY FOR FILE - NT1022063005.D

Lab ID: BKF0469-BLK1
nt10.i, ABN.m, 30-JUN-2022 16:07

RT CO-ELUTION COMPOUNDS

NO CO-ELUTIONS

Quant Method: ICAL

RRT CHECK

RRT	CCV	RRT	DELTA	COMPOUND
-----	-----	-----	-------	----------

NONE

RRT check based on Ccal File: NT1022063002.D

On Column LOD for nt10.i, ABN.m, ICAL.sub = 0.0000

* Only compounds listed in the work order have been verified by the analyst *



LCS / LCS DUPLICATE RECOVERY
EPA 8270E

Laboratory: Analytical Resources, LLC
Client: GeoEngineers
Matrix: Water
Batch: BKF0450
Preparation: EPA 3520C (Liq Liq)
Initial/Final: 500 mL / 0.5 mL

SDG: 22F0267
Project: RG Haley Site-Bellingham
Analyzed: 06/22/22 16:12
Laboratory ID: BKF0450-BS1
Sequence Name: LCS

COMPOUND	SPIKE ADDED (ug/L)	LCS CONCENTRATION (ug/L)	Q	LCS % REC. #	QC LIMITS REC.
Naphthalene	25.0	17.4		69.4	40.5 - 120
2-Methylnaphthalene	25.0	17.6		70.6	47.3 - 120
Acenaphthene	25.0	18.3		73.2	50.4 - 120
Pentachlorophenol	65.0	51.8		79.6	40.3 - 128
Phenanthrene	25.0	19.6		78.5	58.8 - 120
Fluoranthene	25.0	22.8		91.2	66.7 - 120
Benzo(a)anthracene	25.0	20.0		79.9	58.3 - 128
Chrysene	25.0	18.9		75.6	58.9 - 120
Benzo(b)fluoranthene	25.0	22.8		91.3	64.9 - 120
Benzo(k)fluoranthene	25.0	19.4		77.5	63.9 - 120
Benzo(a)pyrene	25.0	20.3		81.1	70.6 - 120
Indeno(1,2,3-cd)pyrene	25.0	16.0		63.9	46.5 - 120
Dibenzo(a,h)anthracene	25.0	16.0		64.2	49.6 - 120
1-Methylnaphthalene	25.0	18.8		75.3	46.9 - 120

* Indicates values outside of QC limits

COMPOUND	SPIKE ADDED (ug/L)	LCS CONCENTRATION (ug/L)	Q	LCS % REC. #	% RPD #	QC LIMITS	
						RPD	REC.
Naphthalene	25.0	19.1		76.5	9.66	30	40.5 - 120
2-Methylnaphthalene	25.0	19.3		77.3	9.11	30	47.3 - 120
Acenaphthene	25.0	20.0		80.0	8.95	30	50.4 - 120
Pentachlorophenol	65.0	56.7		87.2	9.06	30	40.3 - 128
Phenanthrene	25.0	21.6		86.2	9.43	30	58.8 - 120
Fluoranthene	25.0	24.8		99.2	8.45	30	66.7 - 120
Benzo(a)anthracene	25.0	21.5		86.2	7.51	30	58.3 - 128
Chrysene	25.0	20.6		82.4	8.59	30	58.9 - 120
Benzo(b)fluoranthene	25.0	21.9		87.4	4.37	30	64.9 - 120
Benzo(k)fluoranthene	25.0	23.3		93.3	18.5	30	63.9 - 120
Benzo(a)pyrene	25.0	22.0		87.9	8.03	30	70.6 - 120
Indeno(1,2,3-cd)pyrene	25.0	17.1		68.4	6.76	30	46.5 - 120
Dibenzo(a,h)anthracene	25.0	17.4		69.6	8.04	30	49.6 - 120
1-Methylnaphthalene	25.0	21.1		84.5	11.5	30	46.9 - 120

* Indicates values outside of QC limits

Data File: \\target\share\chem3\nt6.1\20220622.B\NT622062210.D

Date: 22-JUN-2022 16:12

Client ID:

Sample Info: BKF0450-BS1,

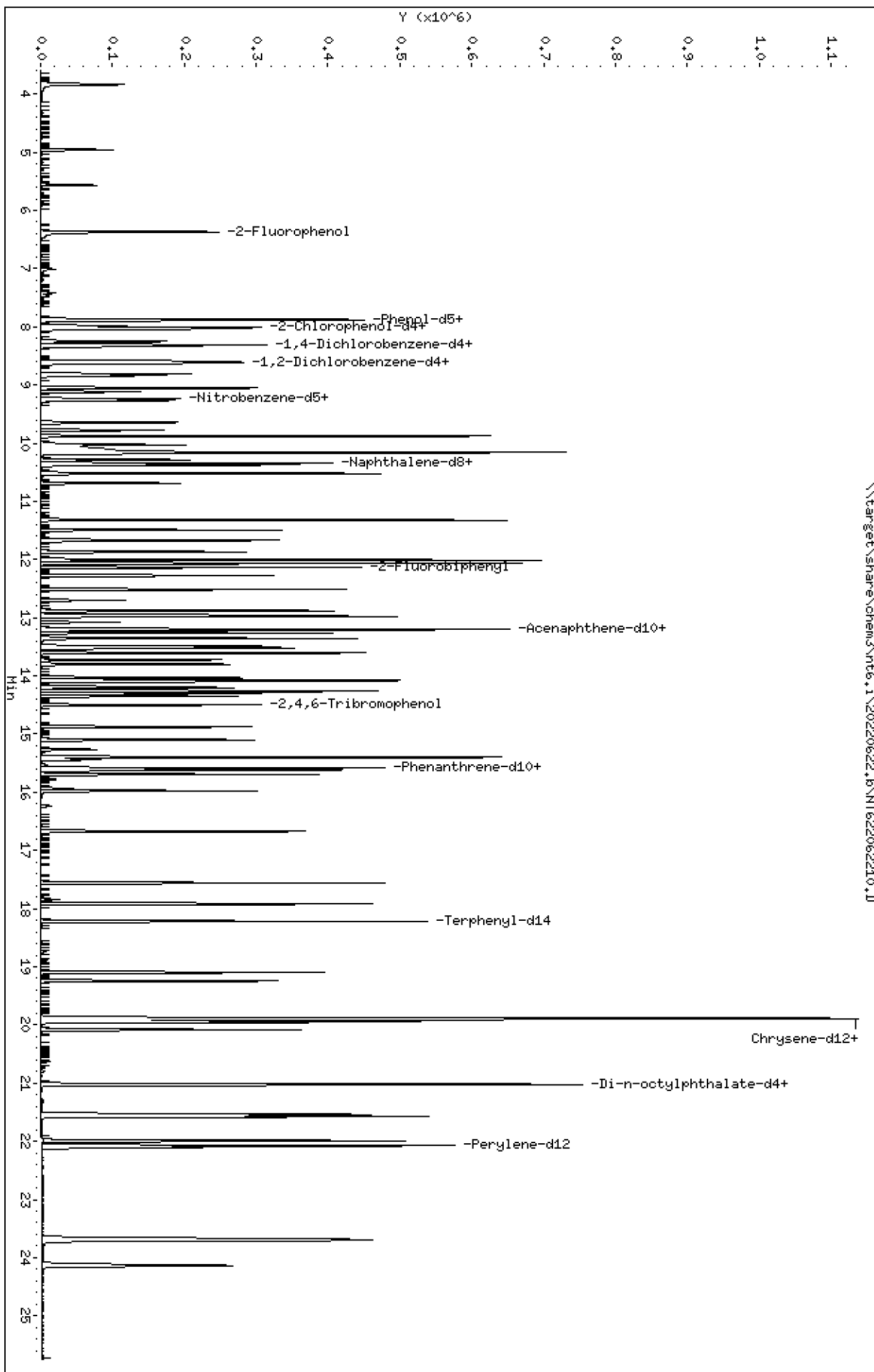
Column phase: ZB-5msi

Instrument: nt6.1

Operator: JZ

Column diameter: 0.32

\\target\share\chem3\nt6.1\20220622.B\NT622062210.D



Date : 22-JUN-2022 16:12

Client ID:

Instrument: nt6.i

Sample Info: BKF0450-BS1.

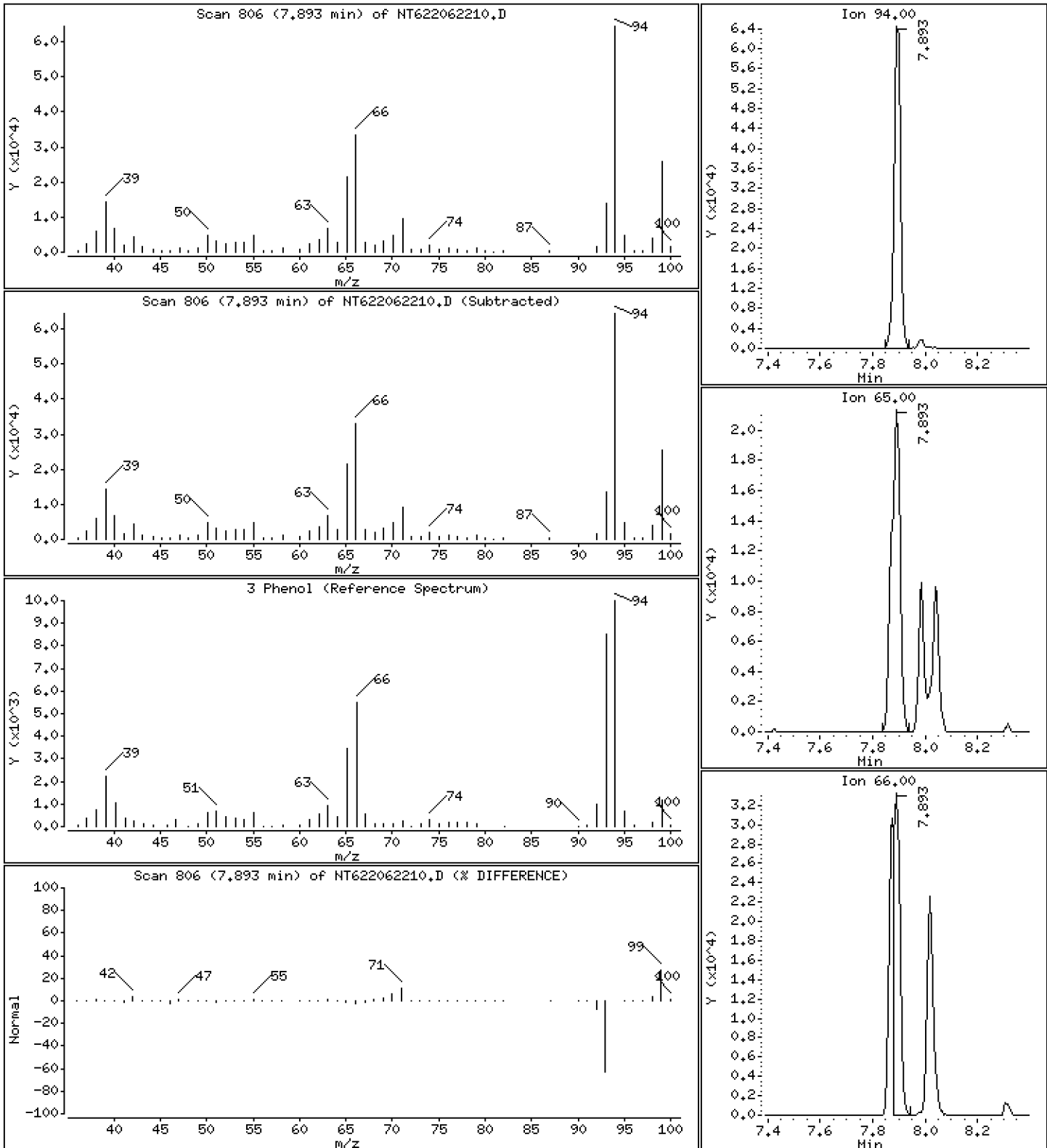
Operator: JZ

Column phase: ZB-5msi

Column diameter: 0.32

3 Phenol

Concentration: 16.33 ug/mL



Date : 22-JUN-2022 16:12

Client ID:

Instrument: nt6.i

Sample Info: BKF0450-BS1.

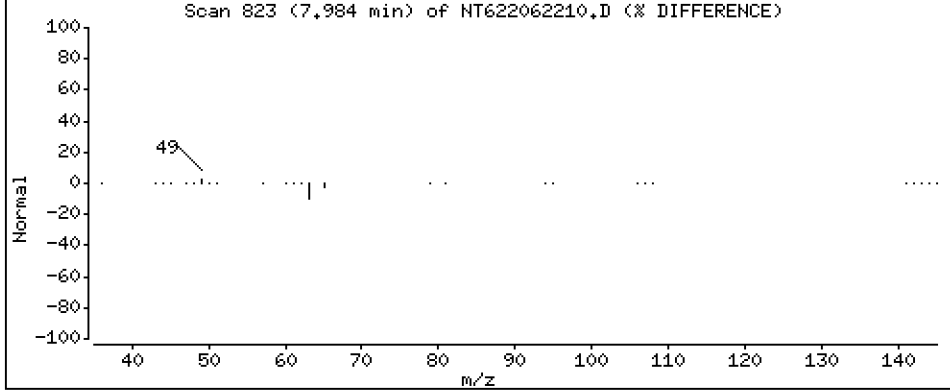
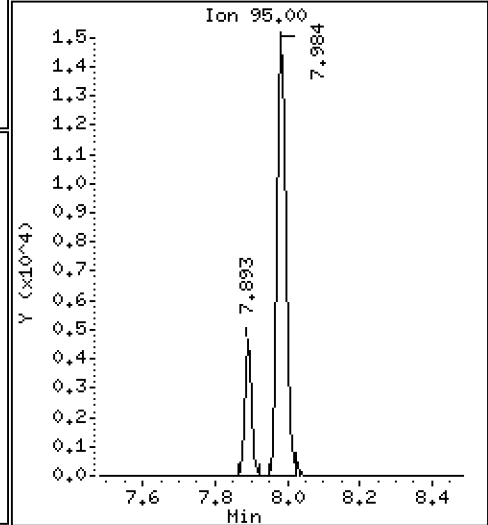
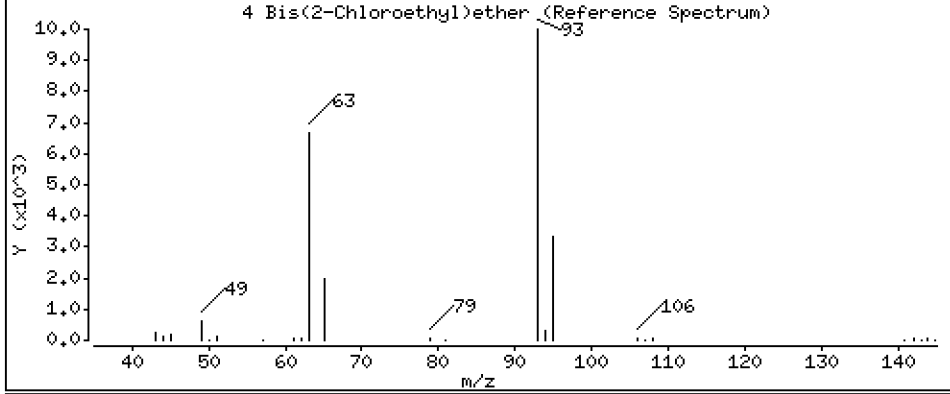
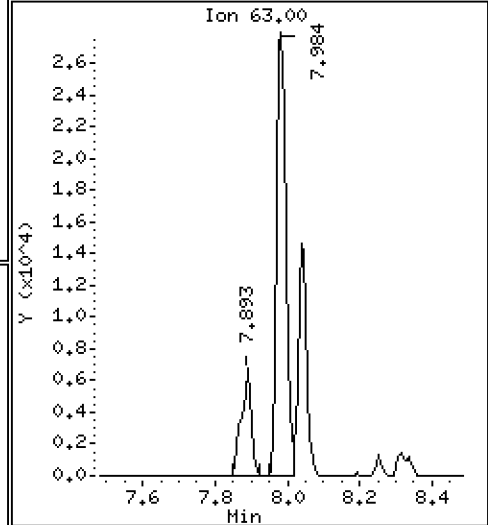
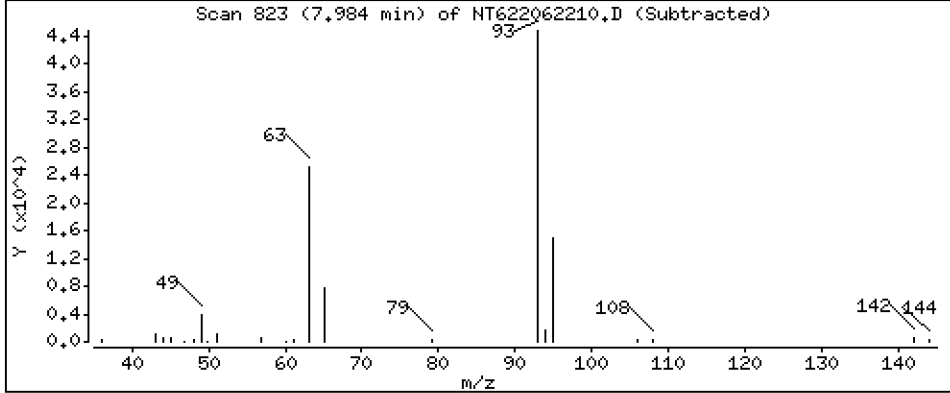
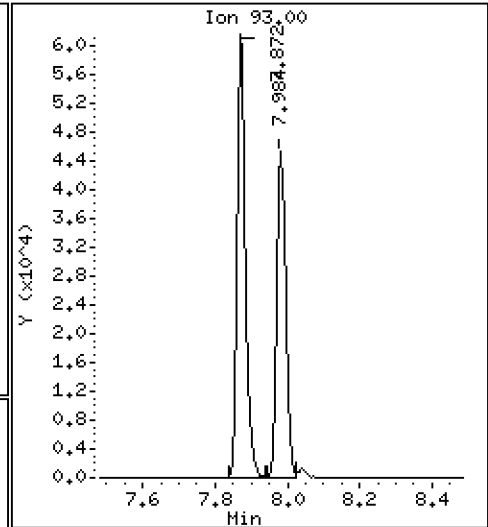
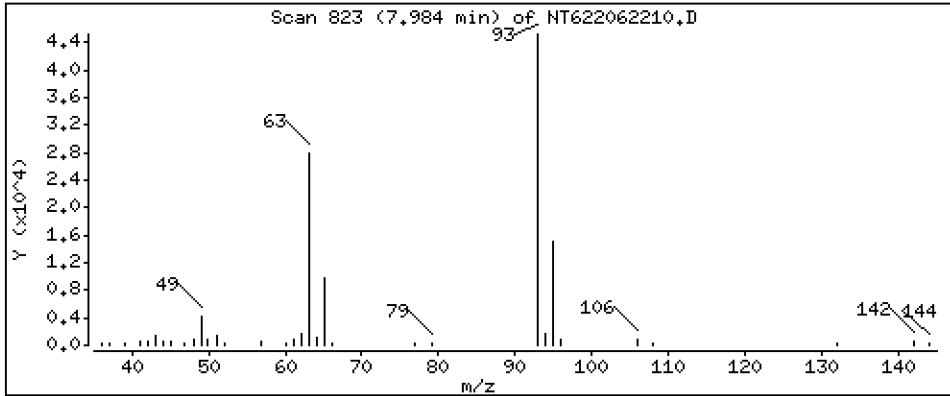
Operator: JZ

Column phase: ZB-5msi

Column diameter: 0.32

4 Bis(2-Chloroethyl)ether

Concentration: 19.60 ug/mL



Date : 22-JUN-2022 16:12

Client ID:

Instrument: nt6.i

Sample Info: BKF0450-BS1.

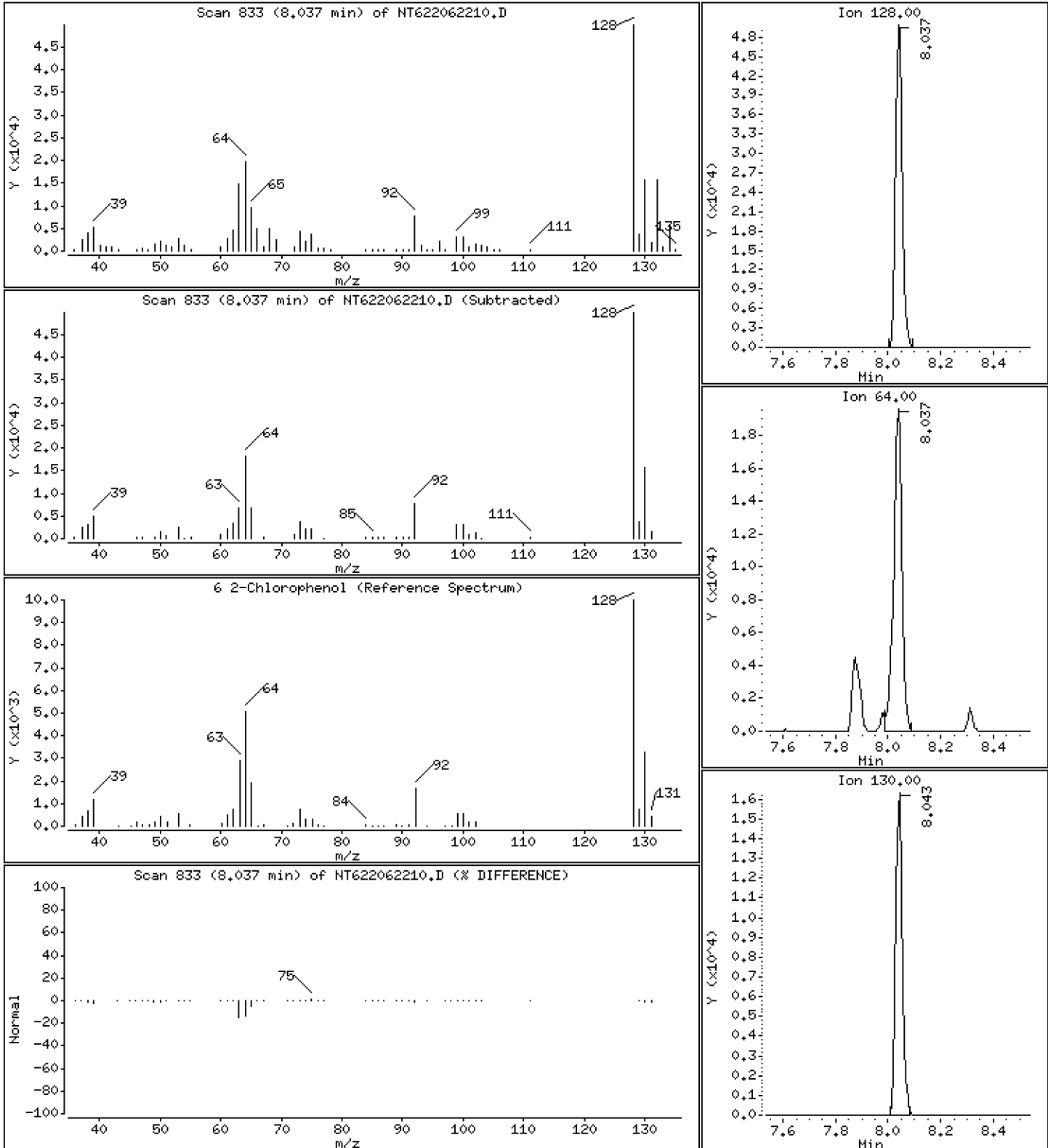
Operator: JZ

Column phase: ZB-5msi

Column diameter: 0.32

6 2-Chlorophenol

Concentration: 16.52 ug/mL



Date : 22-JUN-2022 16:12

Client ID:

Instrument: nt6.i

Sample Info: BKF0450-BS1.

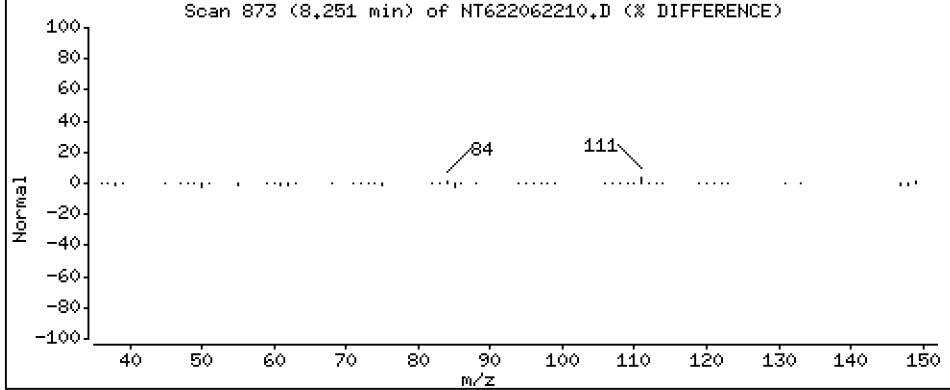
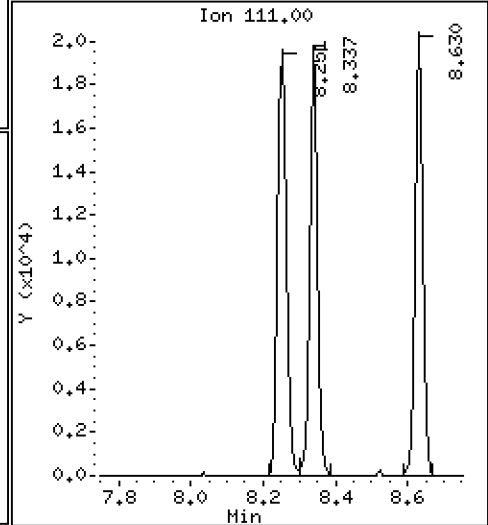
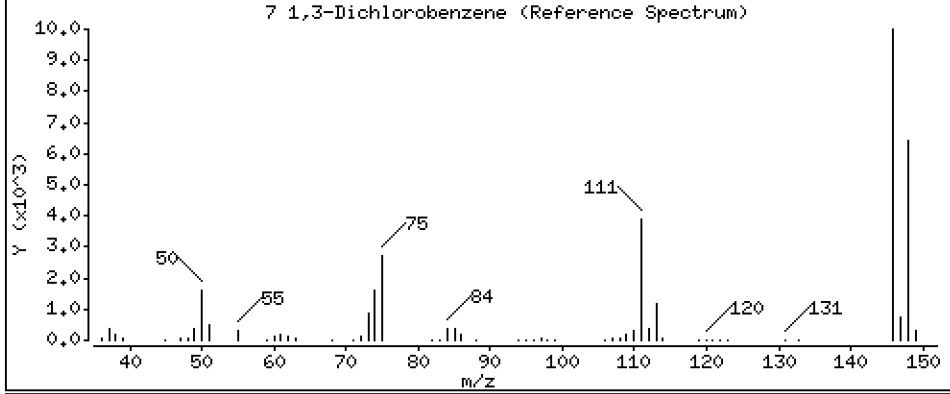
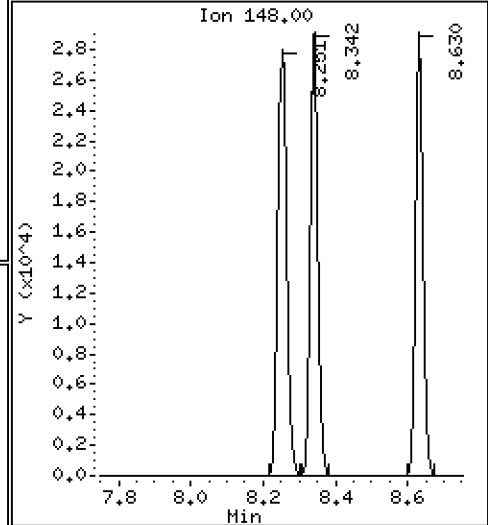
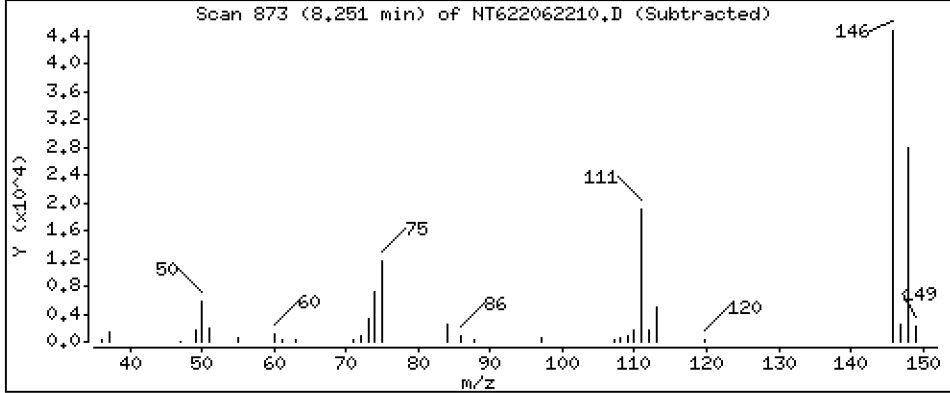
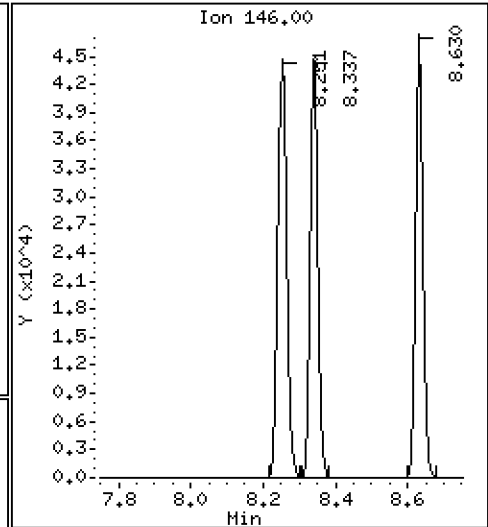
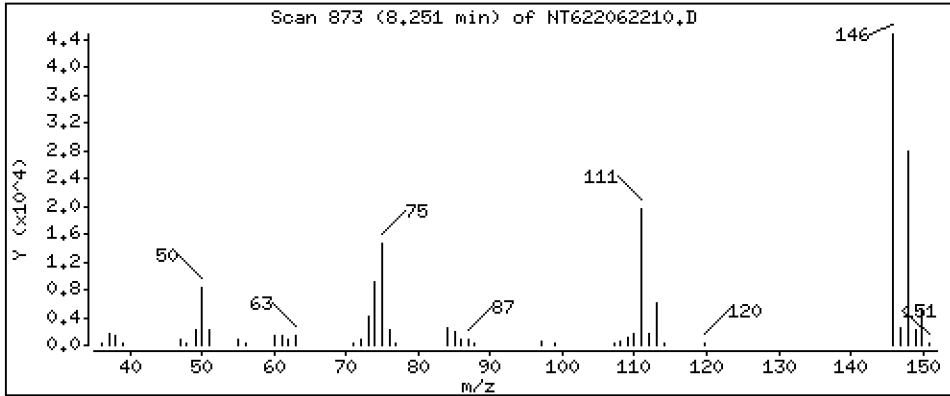
Operator: JZ

Column phase: ZB-5msi

Column diameter: 0.32

7 1,3-Dichlorobenzene

Concentration: 13.84 ug/mL



Date : 22-JUN-2022 16:12

Client ID:

Instrument: nt6.i

Sample Info: BKF0450-BS1.

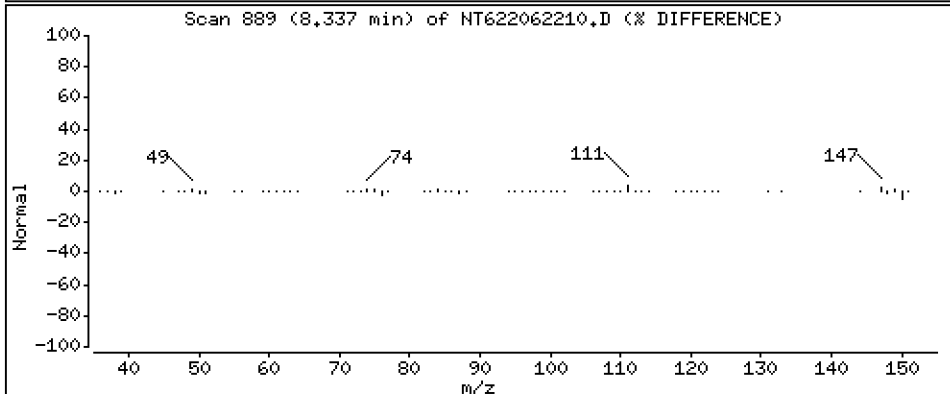
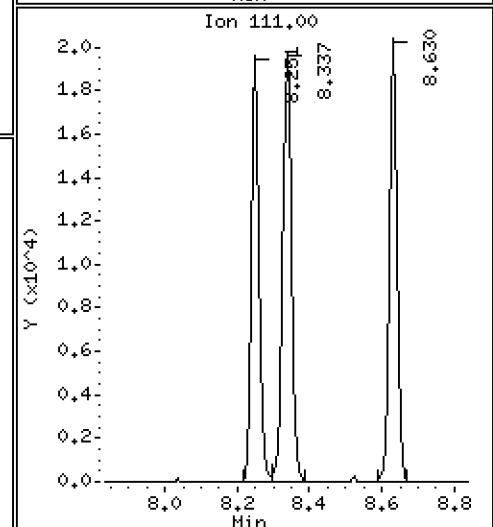
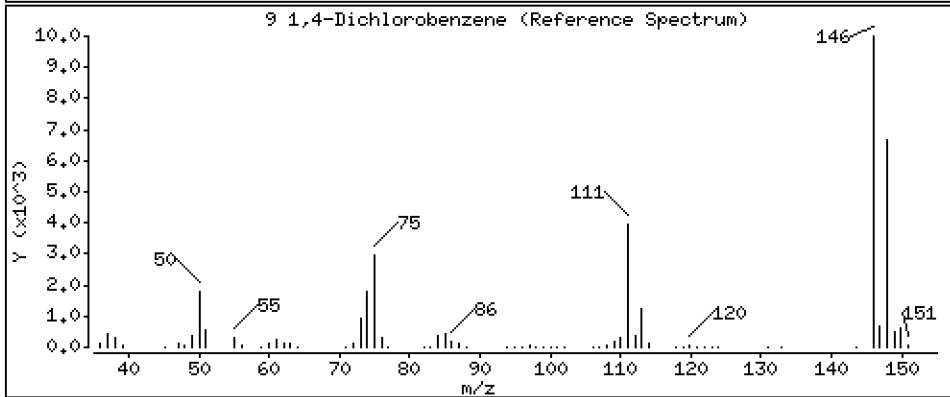
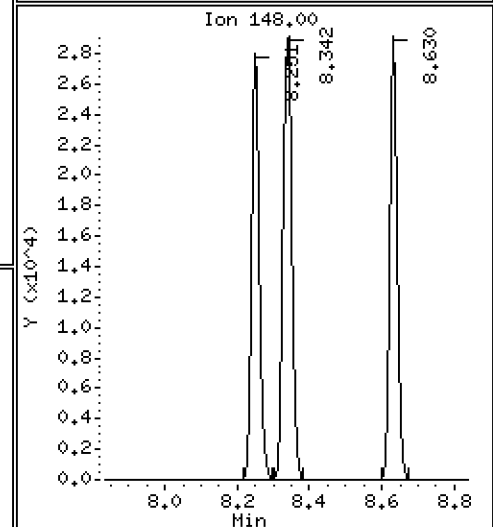
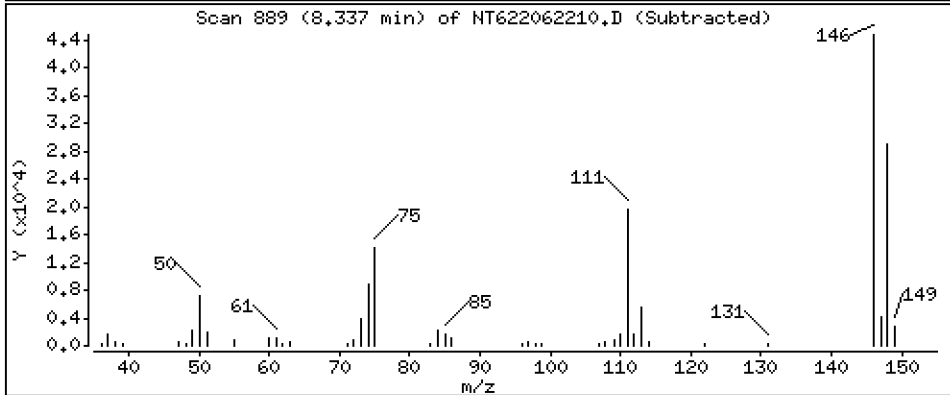
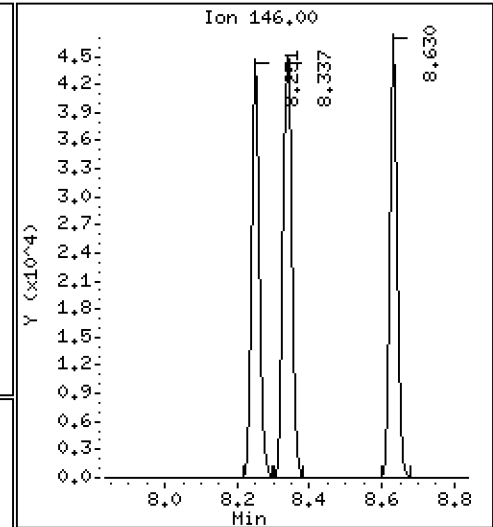
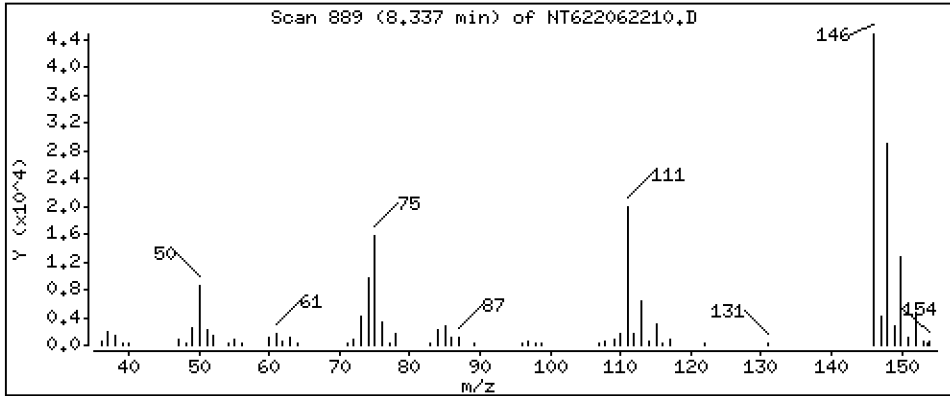
Operator: JZ

Column phase: ZB-5msi

Column diameter: 0.32

9 1,4-Dichlorobenzene

Concentration: 14.24 ug/mL



Date : 22-JUN-2022 16:12

Client ID:

Instrument: nt6.i

Sample Info: BKF0450-BS1.

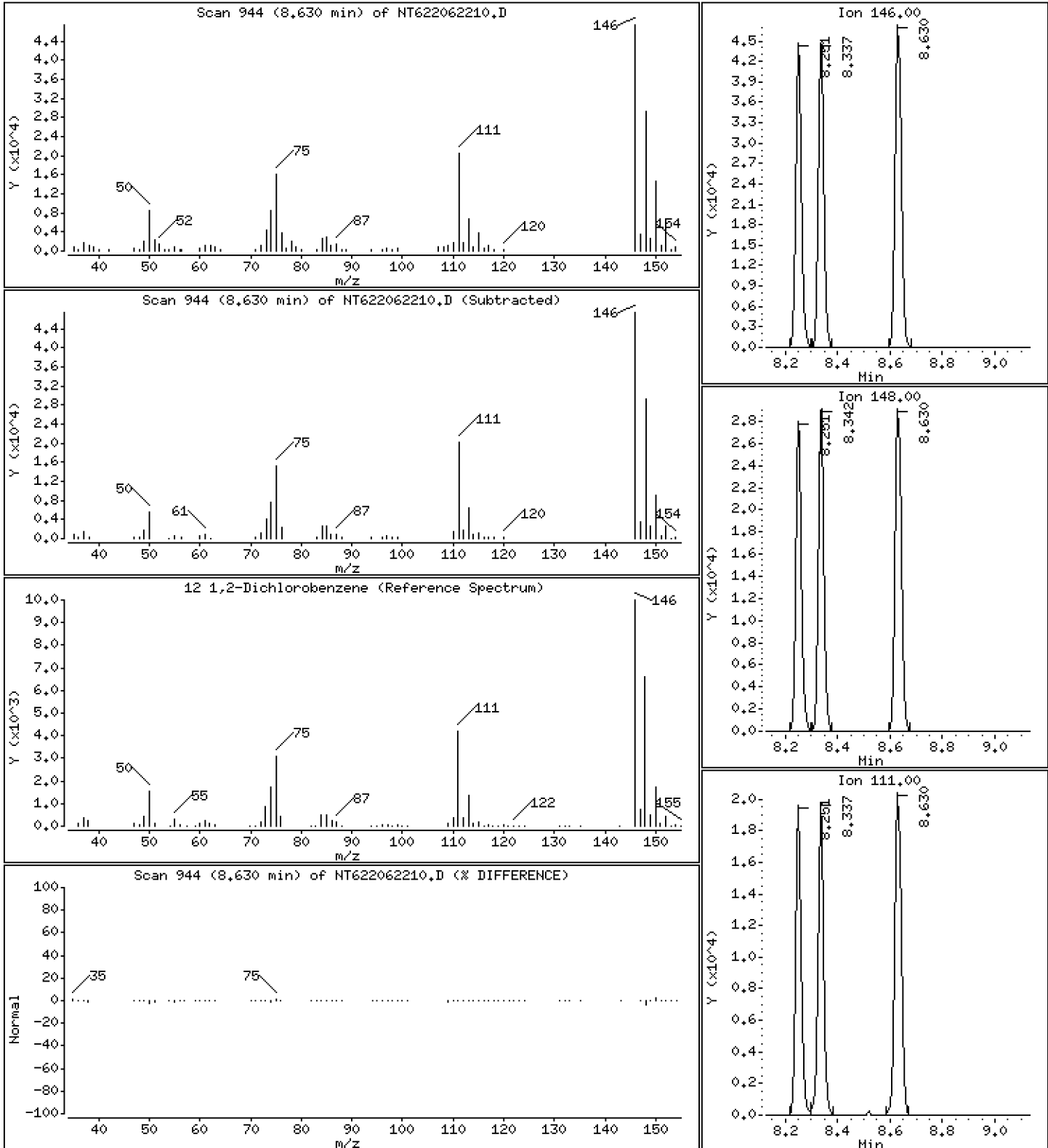
Operator: JZ

Column phase: ZB-5msi

Column diameter: 0.32

12 1,2-Dichlorobenzene

Concentration: 14.92 ug/mL



Date : 22-JUN-2022 16:12

Client ID:

Instrument: nt6.i

Sample Info: BKF0450-BS1.

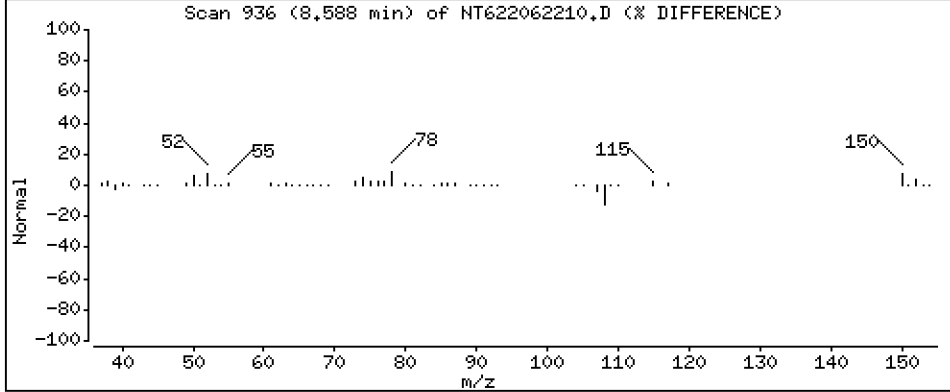
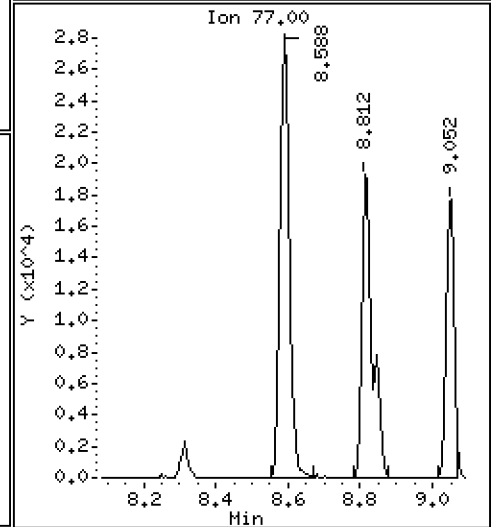
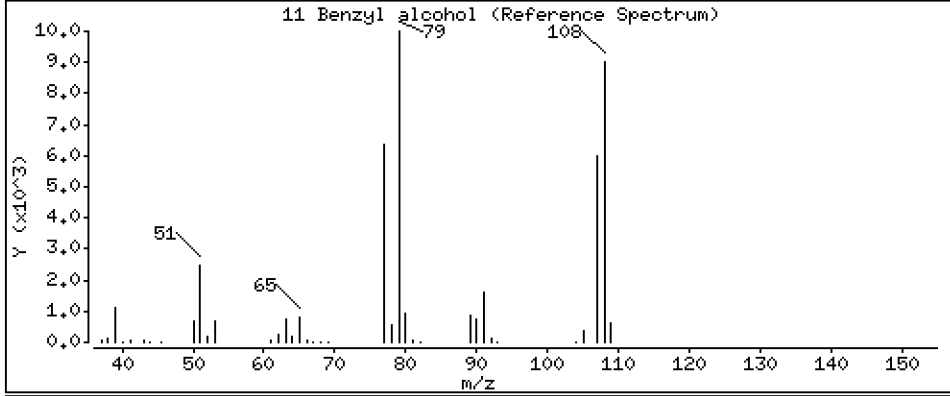
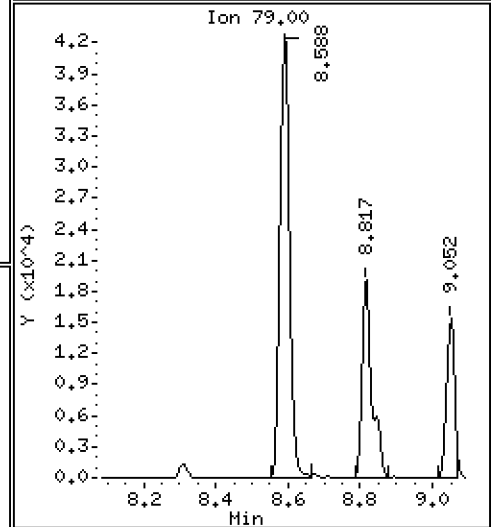
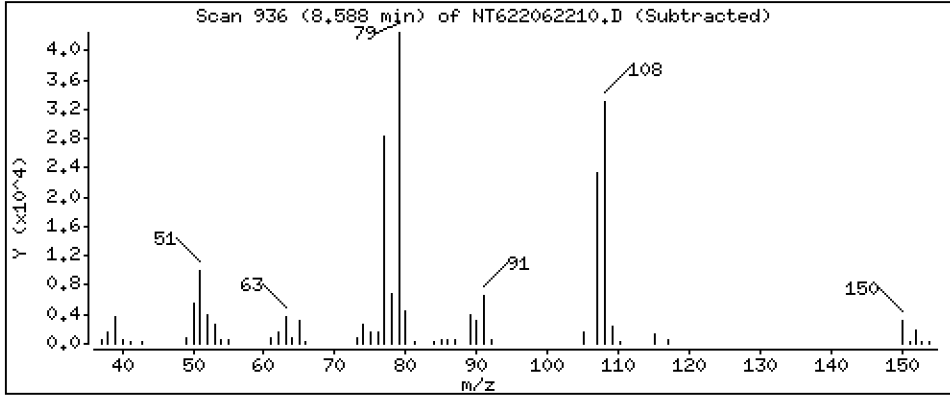
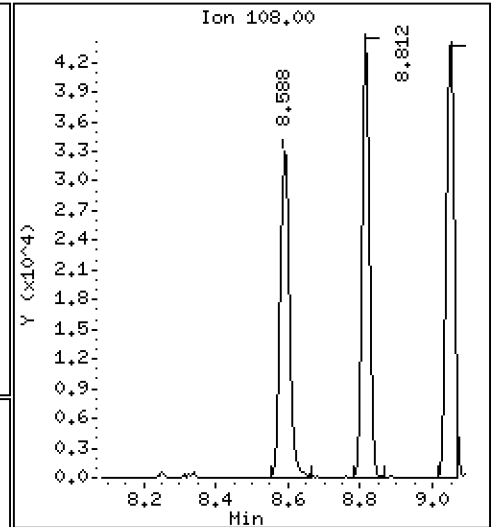
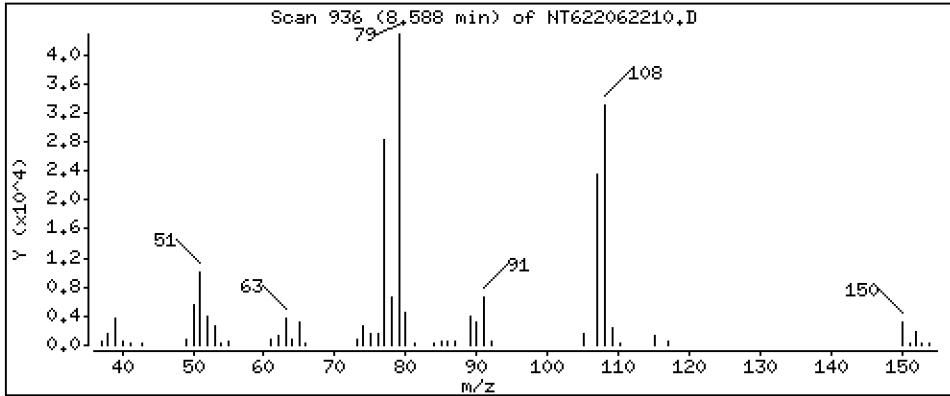
Operator: JZ

Column phase: ZB-5msi

Column diameter: 0.32

11 Benzyl alcohol

Concentration: 19.69 ug/mL



Date : 22-JUN-2022 16:12

Client ID:

Instrument: nt6.i

Sample Info: BKF0450-BS1.

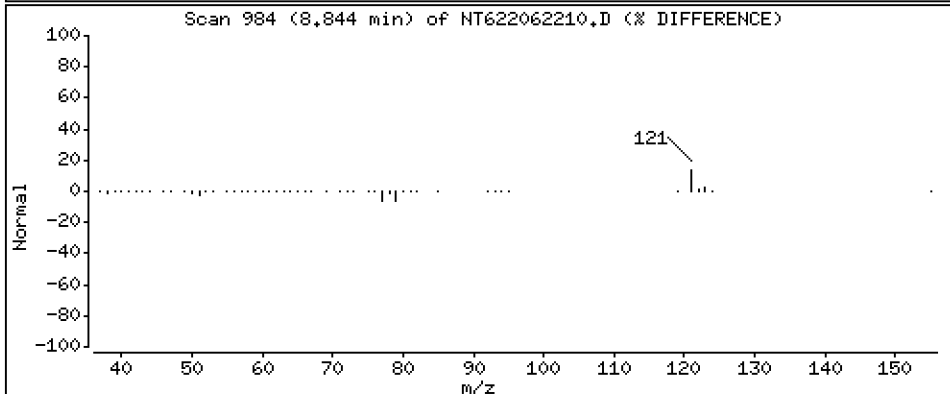
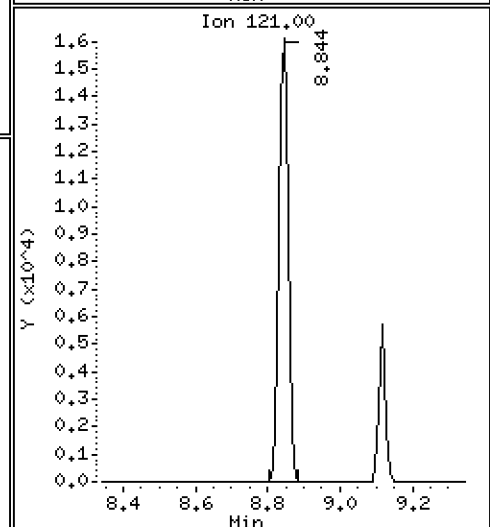
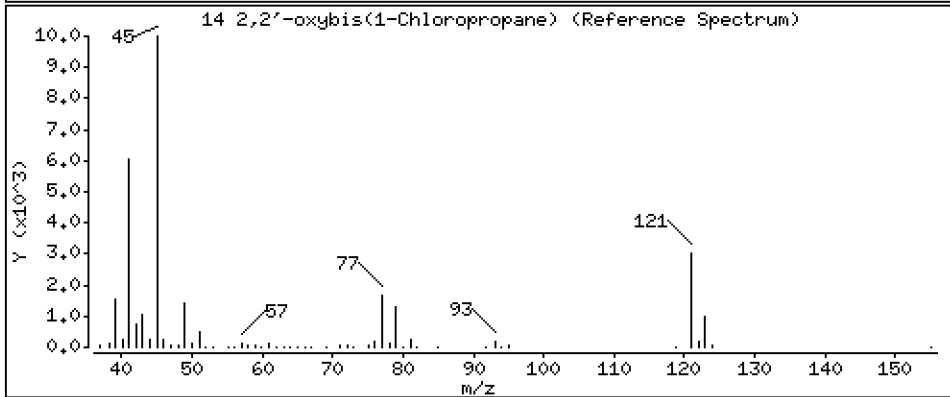
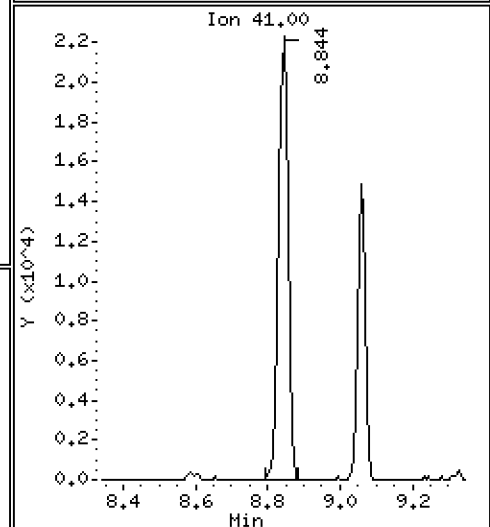
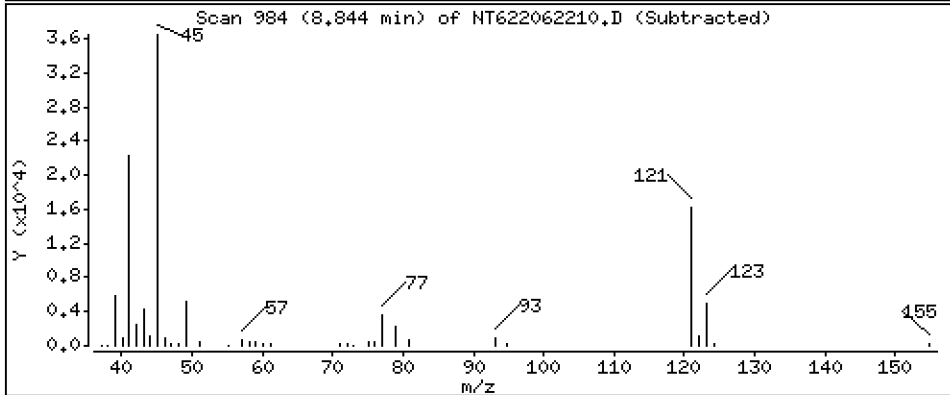
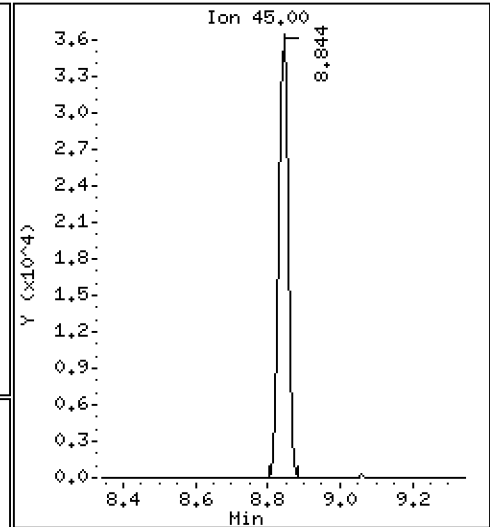
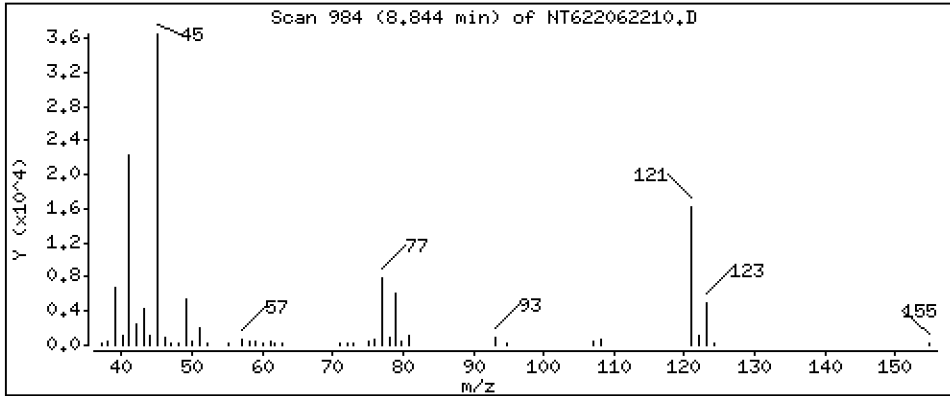
Operator: JZ

Column phase: ZB-5msi

Column diameter: 0.32

14 2,2'-oxybis(1-Chloropropane)

Concentration: 21.60 ug/mL



Date : 22-JUN-2022 16:12

Client ID:

Instrument: nt6.i

Sample Info: BKF0450-BS1.

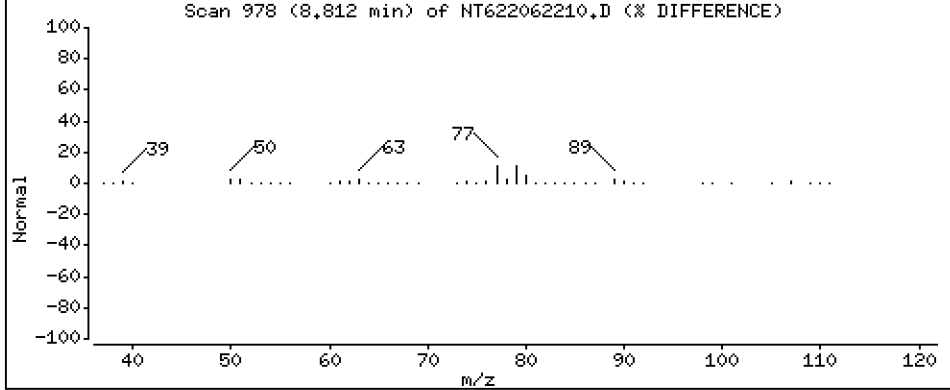
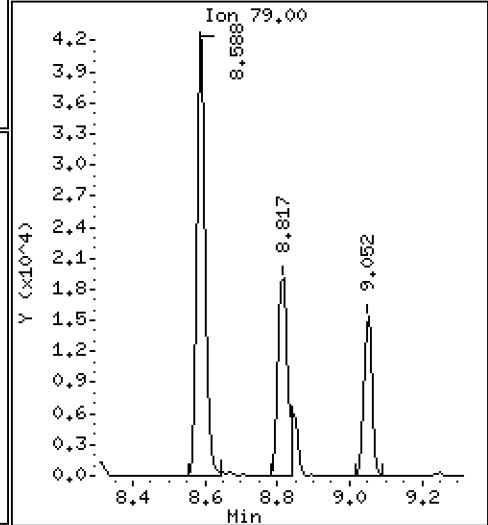
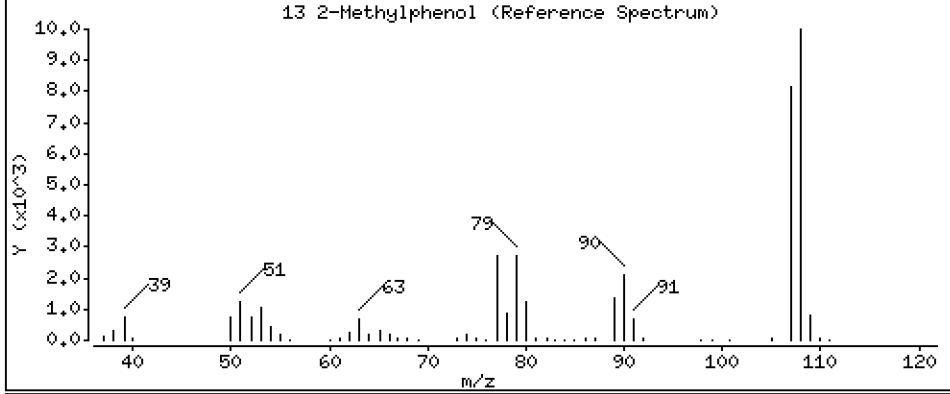
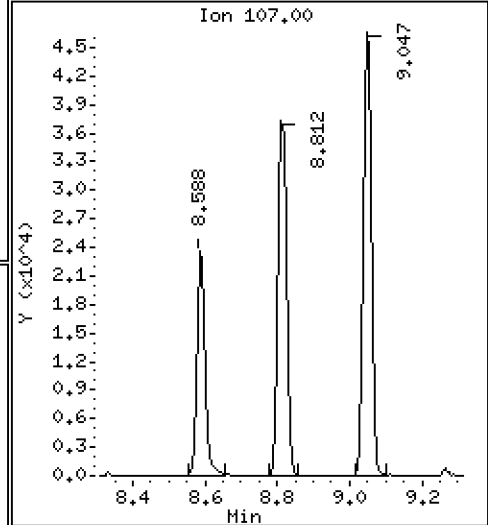
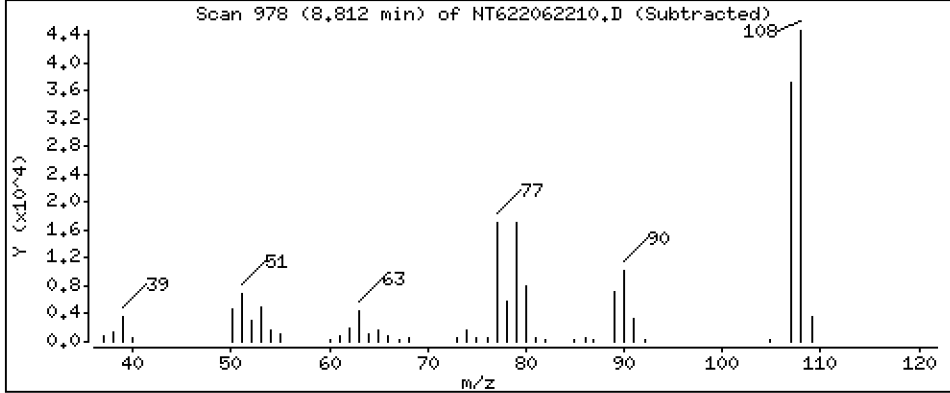
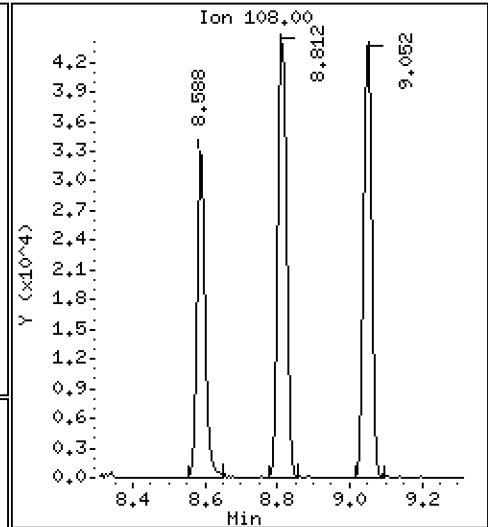
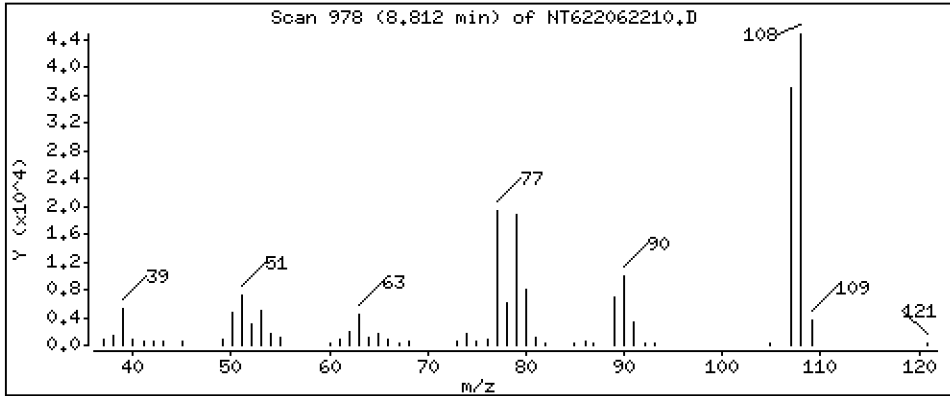
Operator: JZ

Column phase: ZB-5msi

Column diameter: 0.32

13 2-Methylphenol

Concentration: 16.55 ug/mL



Date : 22-JUN-2022 16:12

Client ID:

Instrument: nt6.i

Sample Info: BKF0450-BS1.

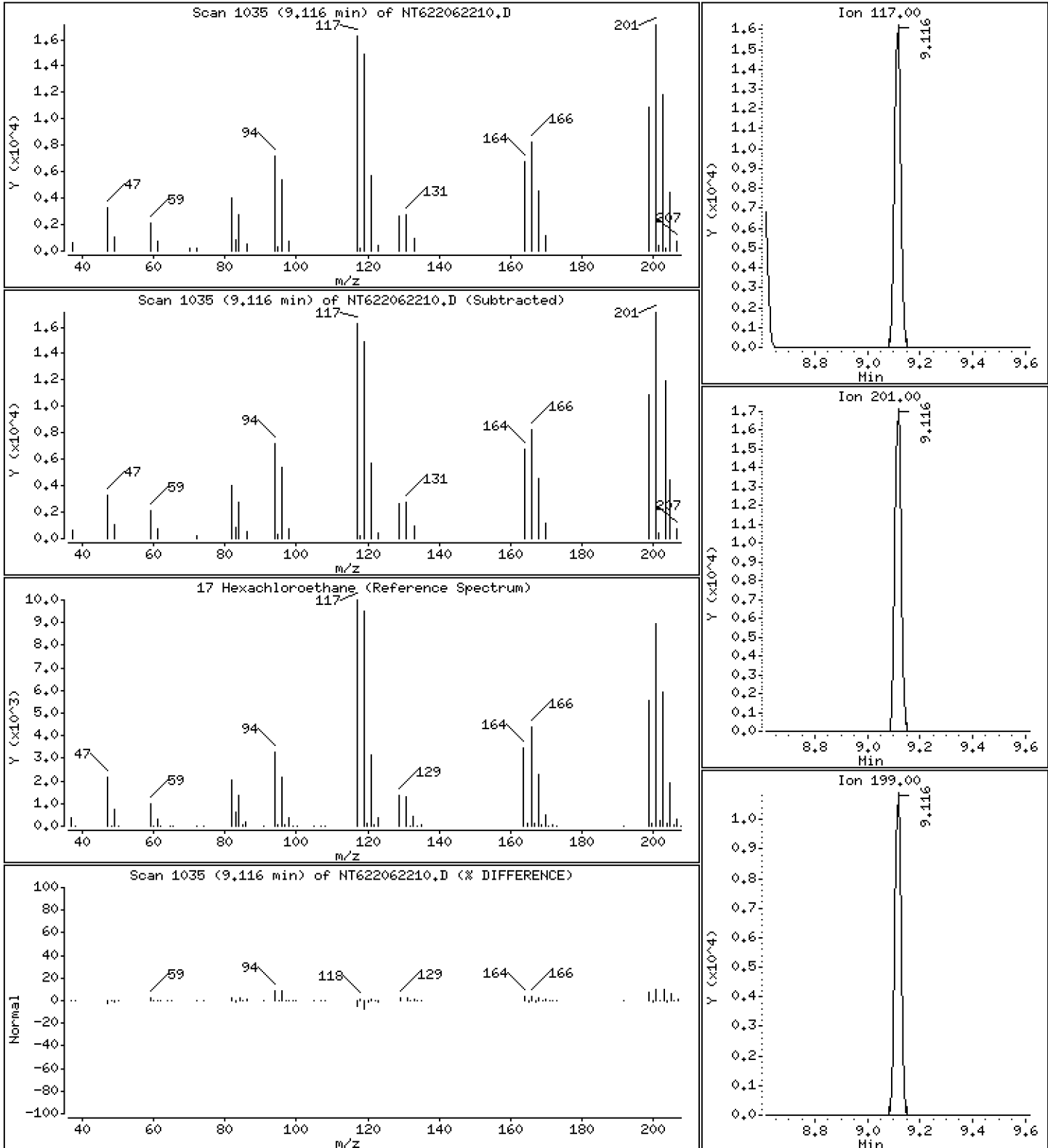
Operator: JZ

Column phase: ZB-5msi

Column diameter: 0.32

17 Hexachloroethane

Concentration: 12.07 ug/mL



Date : 22-JUN-2022 16:12

Client ID:

Instrument: nt6.i

Sample Info: BKF0450-BS1.

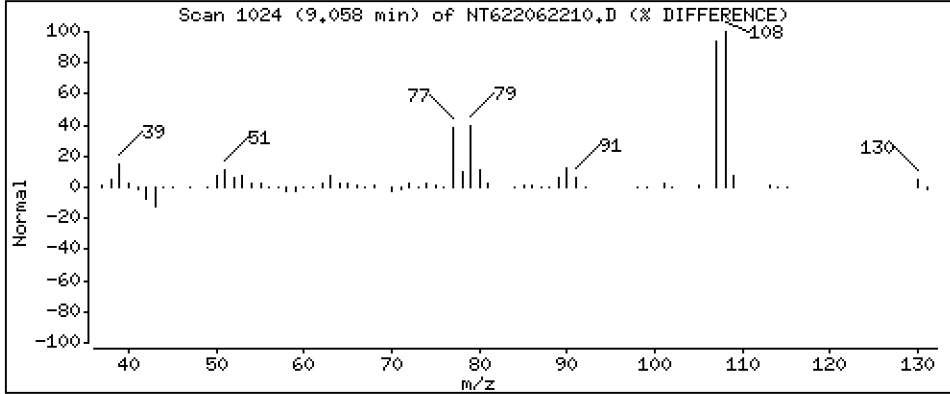
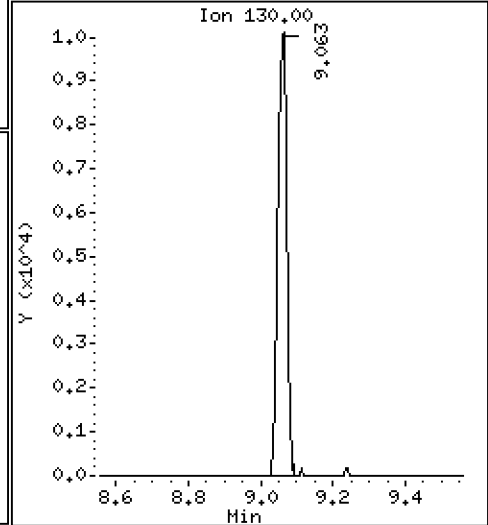
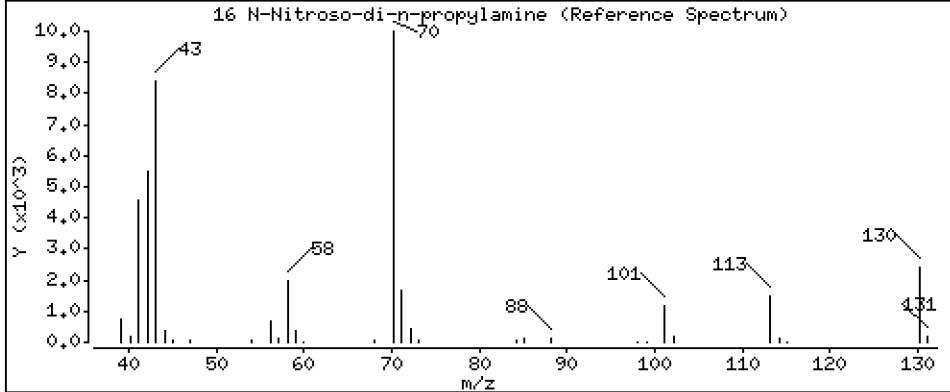
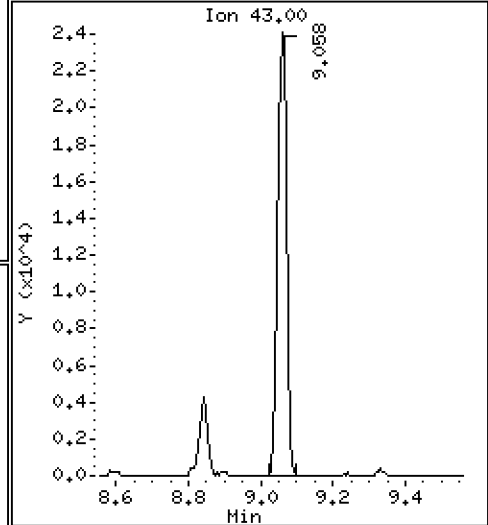
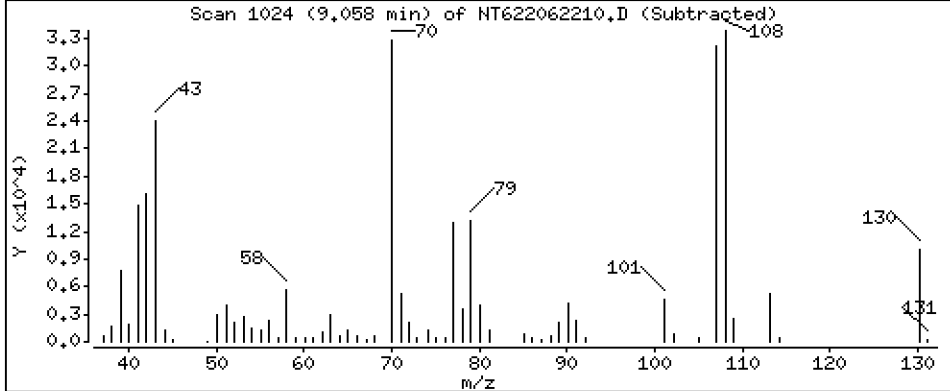
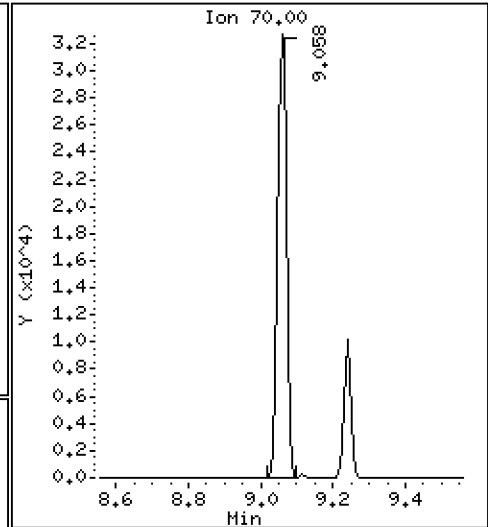
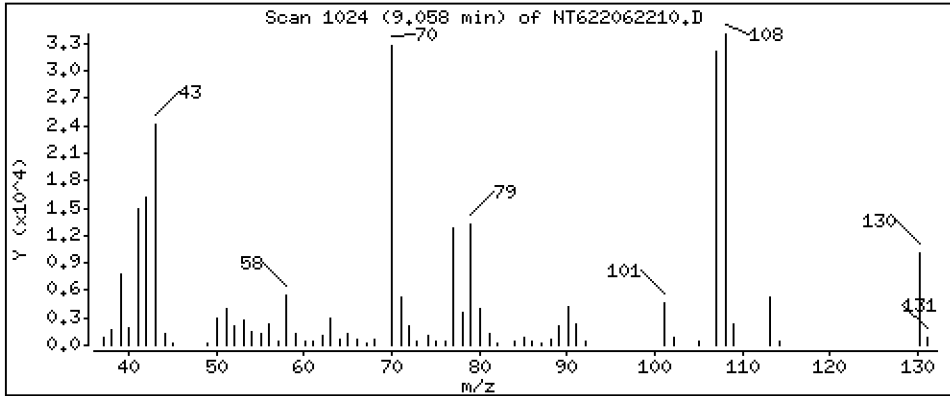
Operator: JZ

Column phase: ZB-5msi

Column diameter: 0.32

16 N-Nitroso-di-n-propylamine

Concentration: 19.26 ug/mL



Date : 22-JUN-2022 16:12

Client ID:

Instrument: nt6.i

Sample Info: BKF0450-BS1.

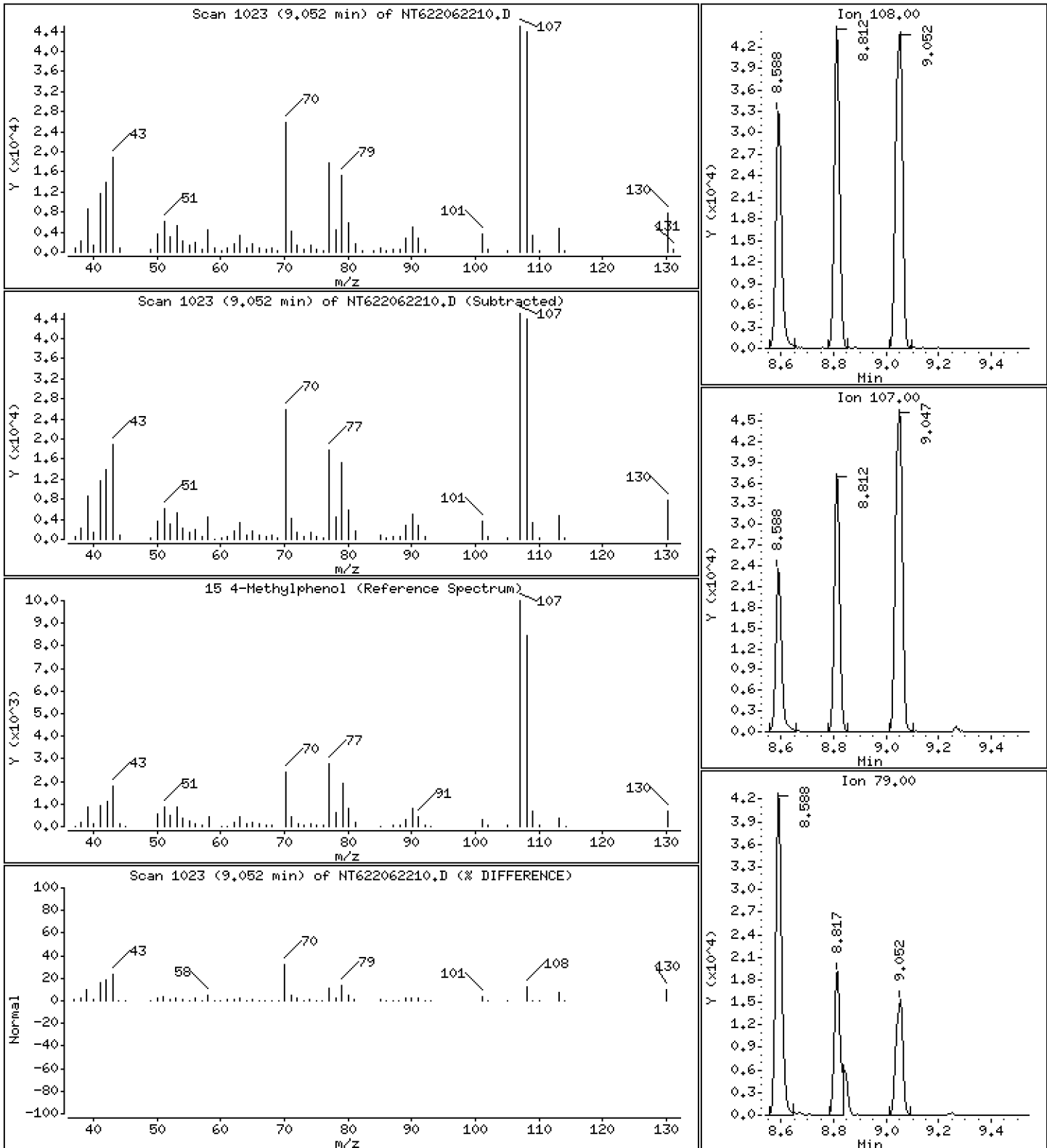
Operator: JZ

Column phase: ZB-5msi

Column diameter: 0.32

15 4-Methylphenol

Concentration: 17.31 ug/mL



Date : 22-JUN-2022 16:12

Client ID:

Instrument: nt6.i

Sample Info: BKF0450-BS1.

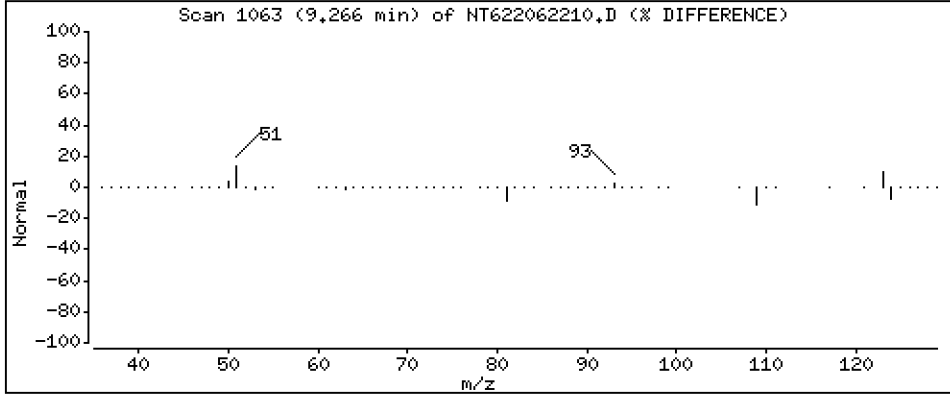
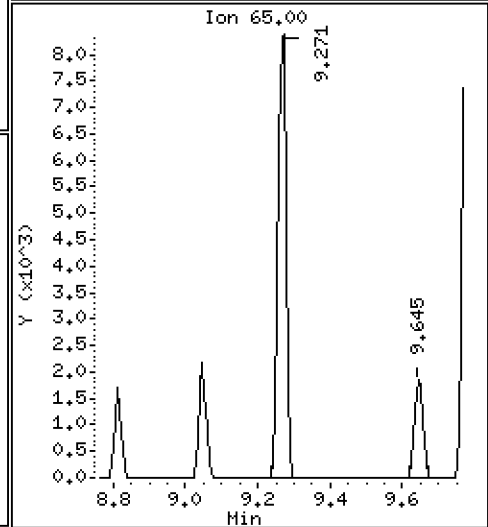
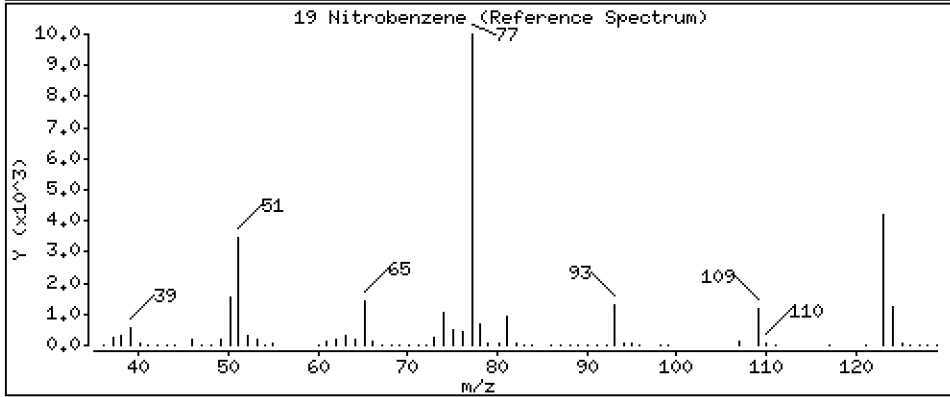
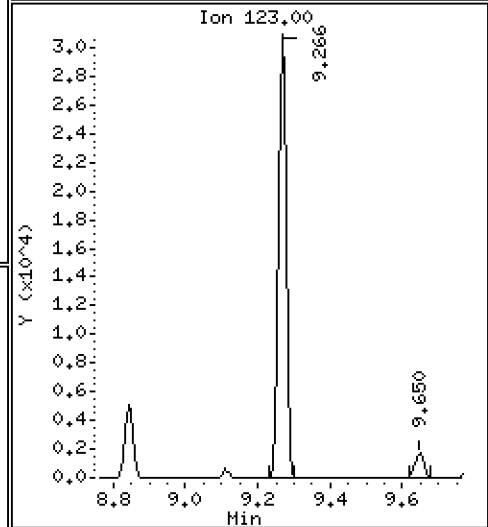
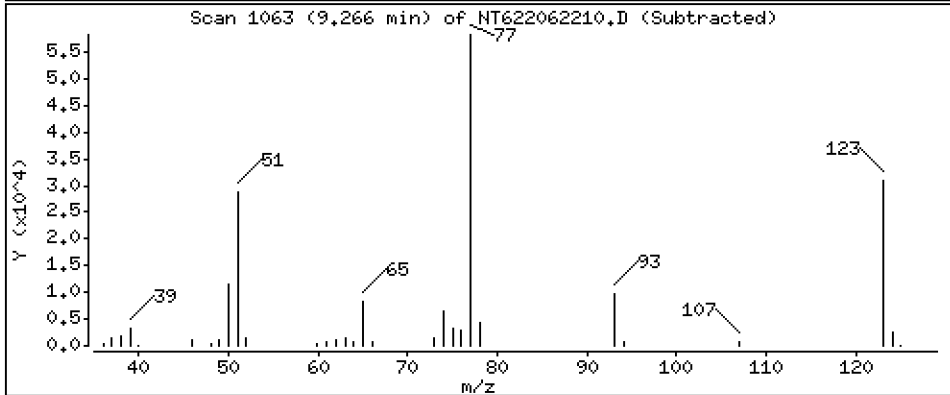
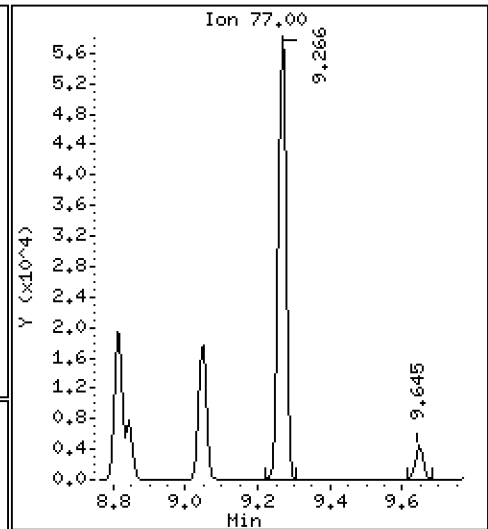
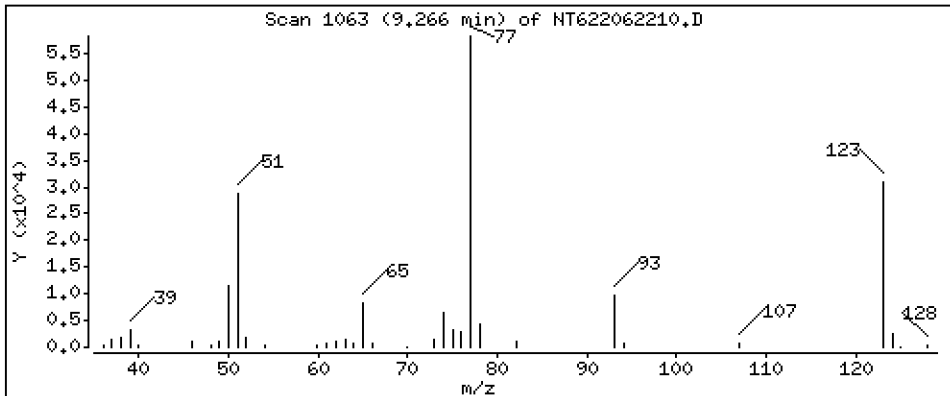
Operator: JZ

Column phase: ZB-5msi

Column diameter: 0.32

19 Nitrobenzene

Concentration: 19.35 ug/mL



Date : 22-JUN-2022 16:12

Client ID:

Instrument: nt6.i

Sample Info: BKF0450-BS1.

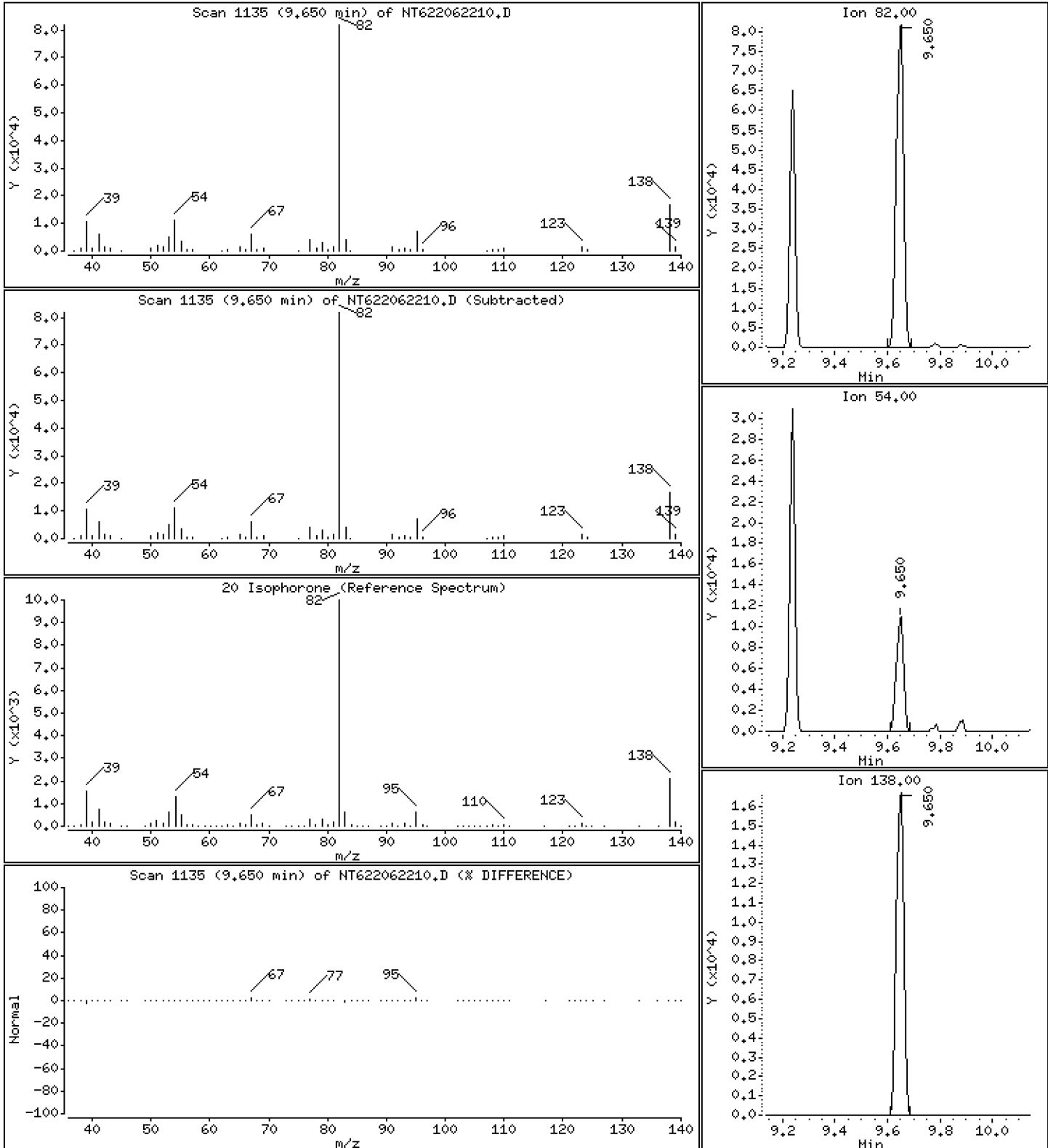
Operator: JZ

Column phase: ZB-5msi

Column diameter: 0.32

20 Isophorone

Concentration: 28.82 ug/mL



Date : 22-JUN-2022 16:12

Client ID:

Instrument: nt6.i

Sample Info: BKF0450-BS1.

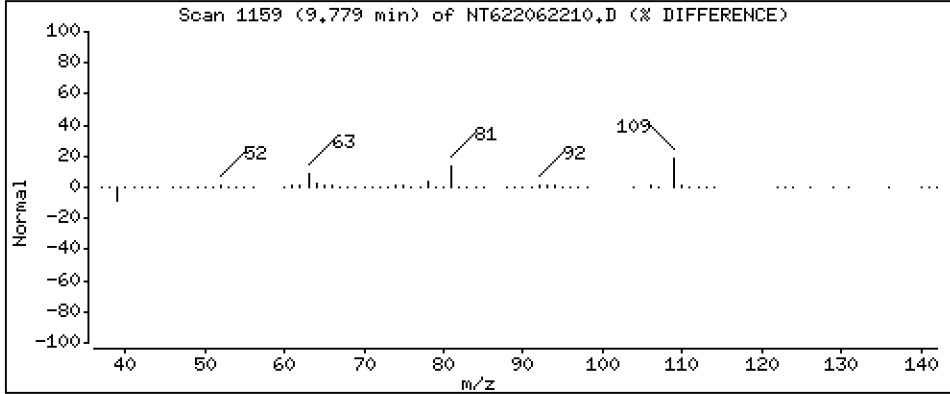
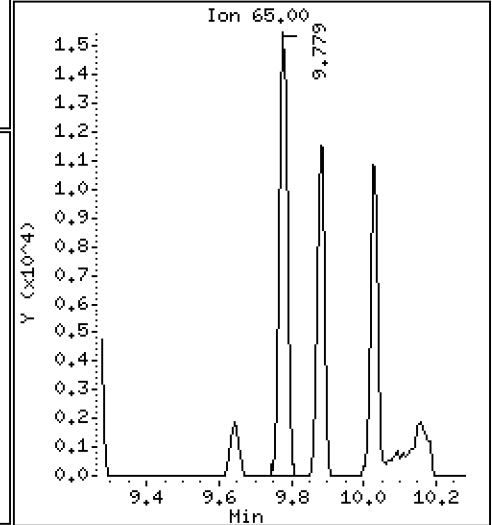
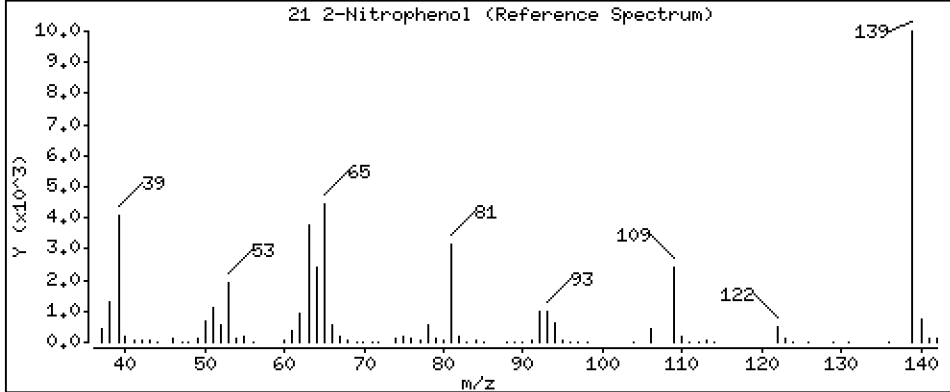
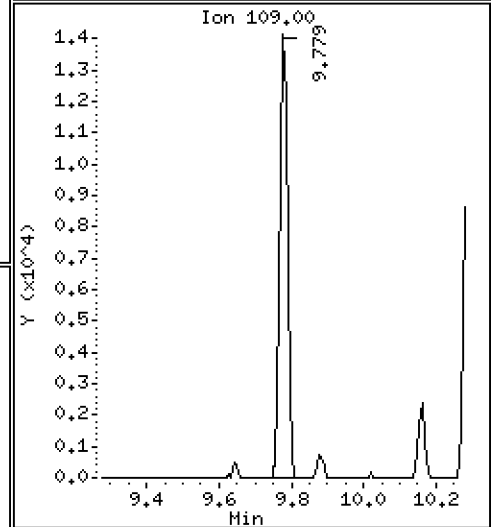
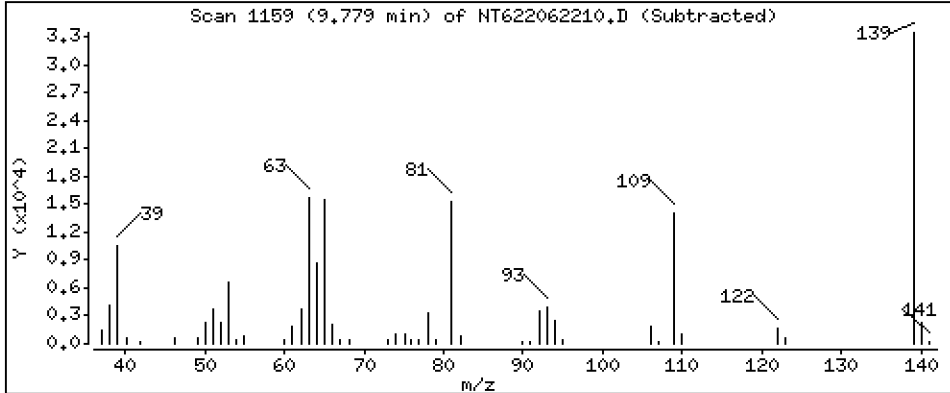
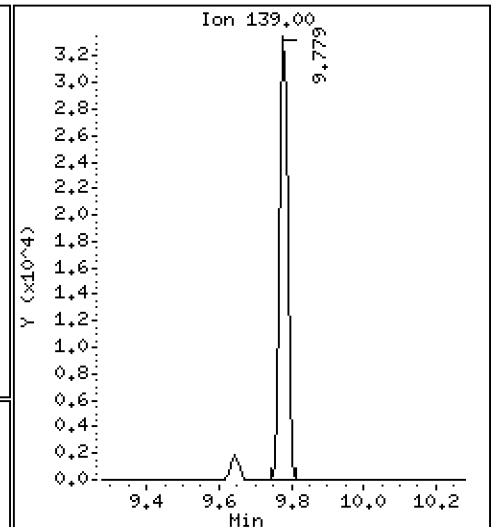
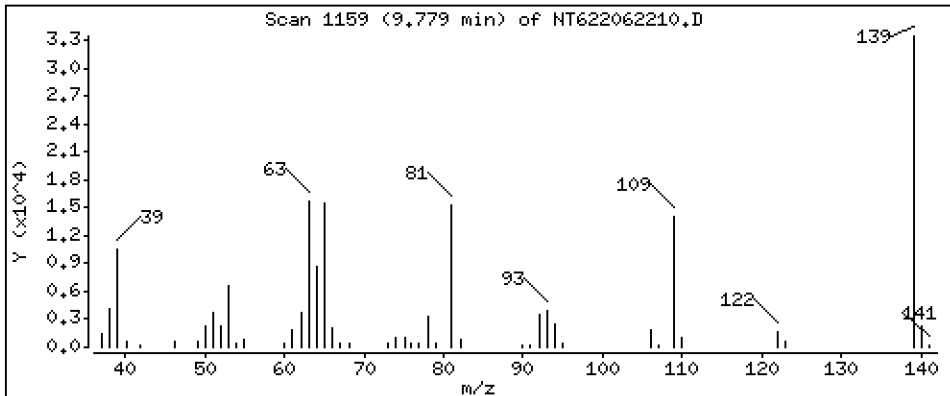
Operator: JZ

Column phase: ZB-5msi

Column diameter: 0.32

21 2-Nitrophenol

Concentration: 18.36 ug/mL



Date : 22-JUN-2022 16:12

Client ID:

Instrument: nt6.i

Sample Info: BKF0450-BS1.

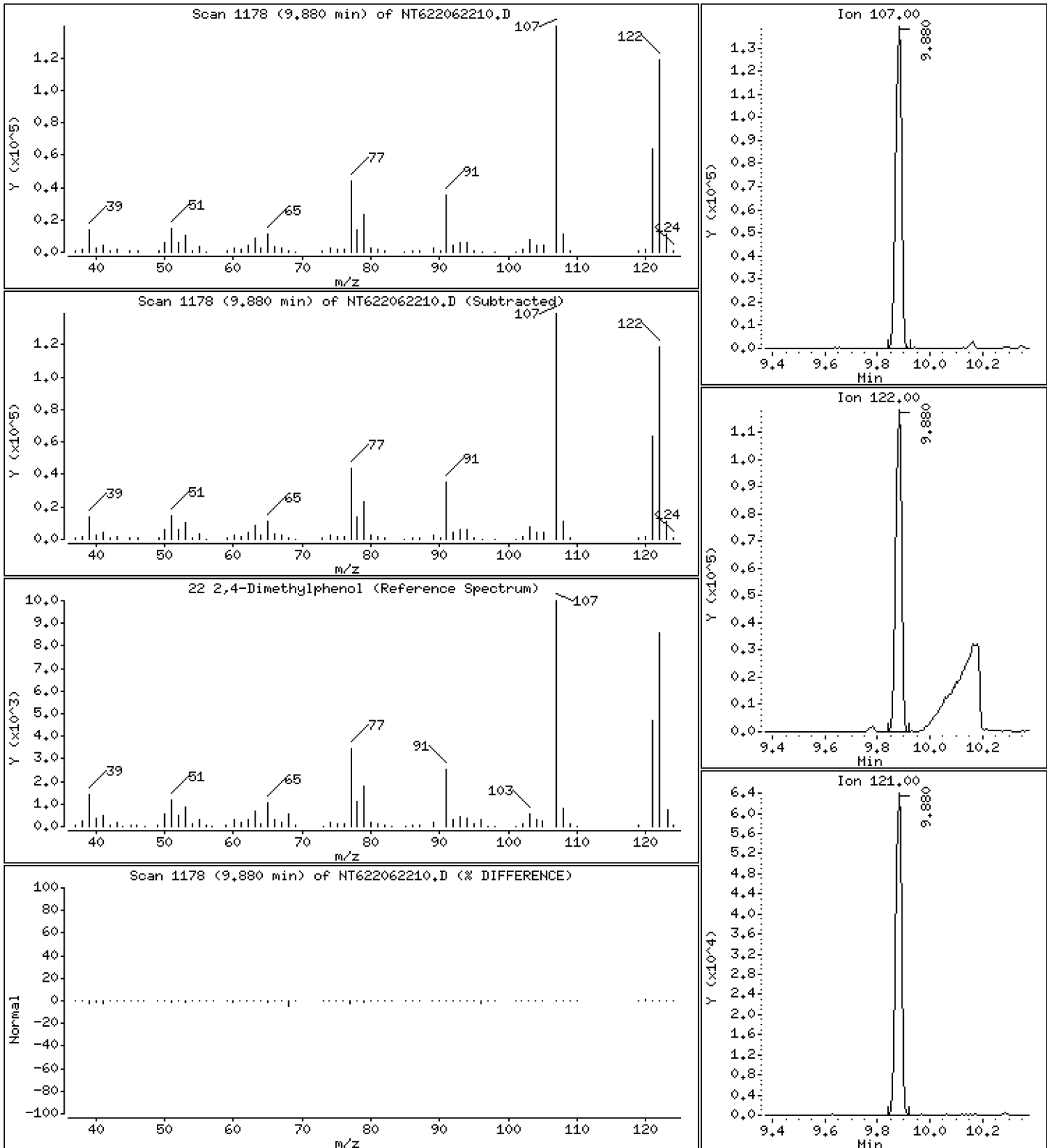
Operator: JZ

Column phase: ZB-5msi

Column diameter: 0.32

22 2,4-Dimethylphenol

Concentration: 41.16 ug/mL



Date : 22-JUN-2022 16:12

Client ID:

Instrument: nt6.i

Sample Info: BKF0450-BS1.

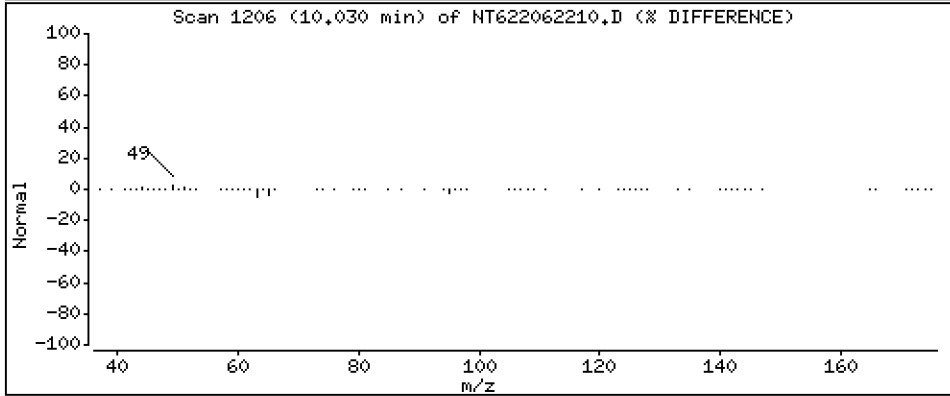
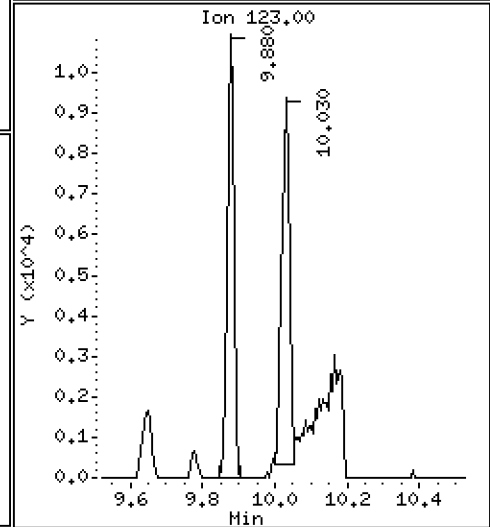
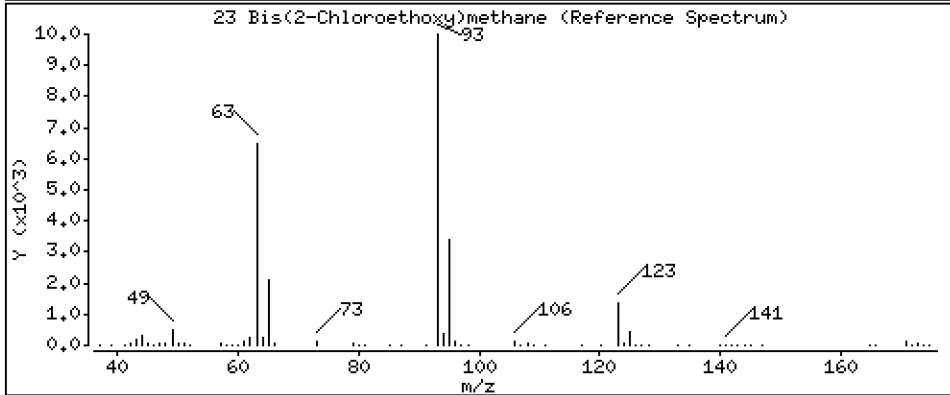
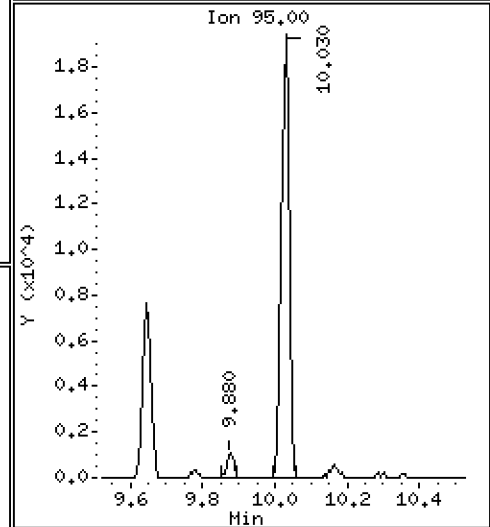
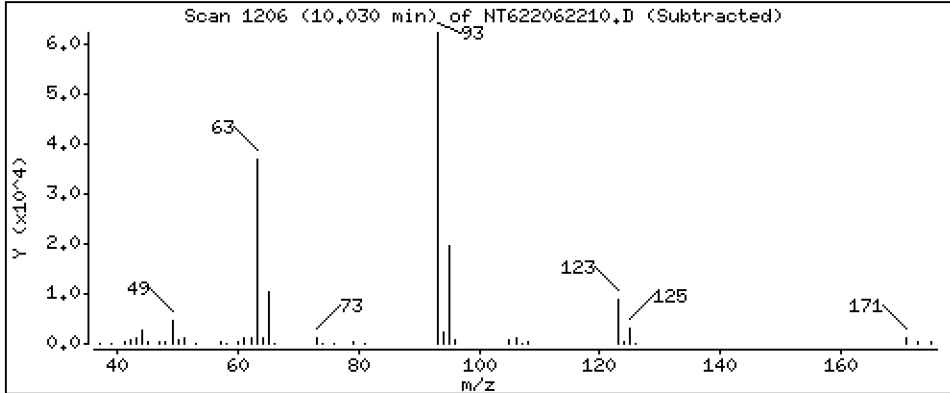
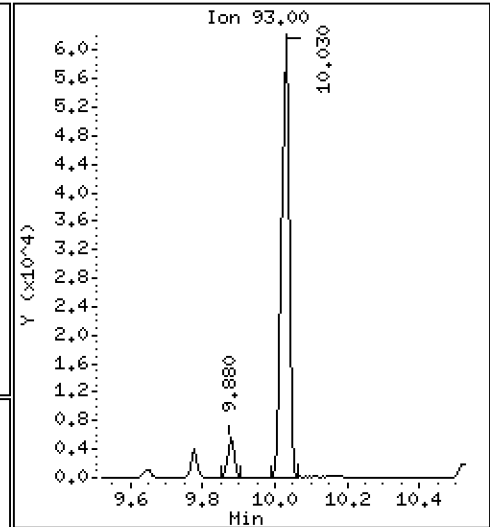
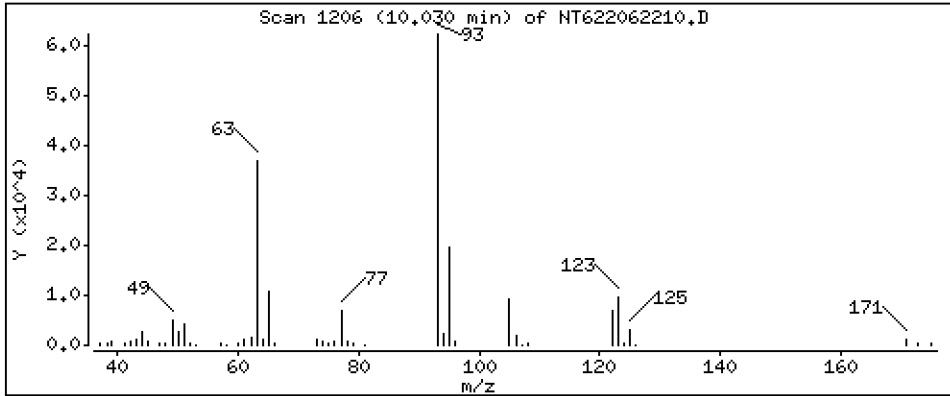
Operator: JZ

Column phase: ZB-5msi

Column diameter: 0.32

23 Bis(2-Chloroethoxy)methane

Concentration: 22.57 ug/mL



Date : 22-JUN-2022 16:12

Client ID:

Instrument: nt6.i

Sample Info: BKF0450-BS1.

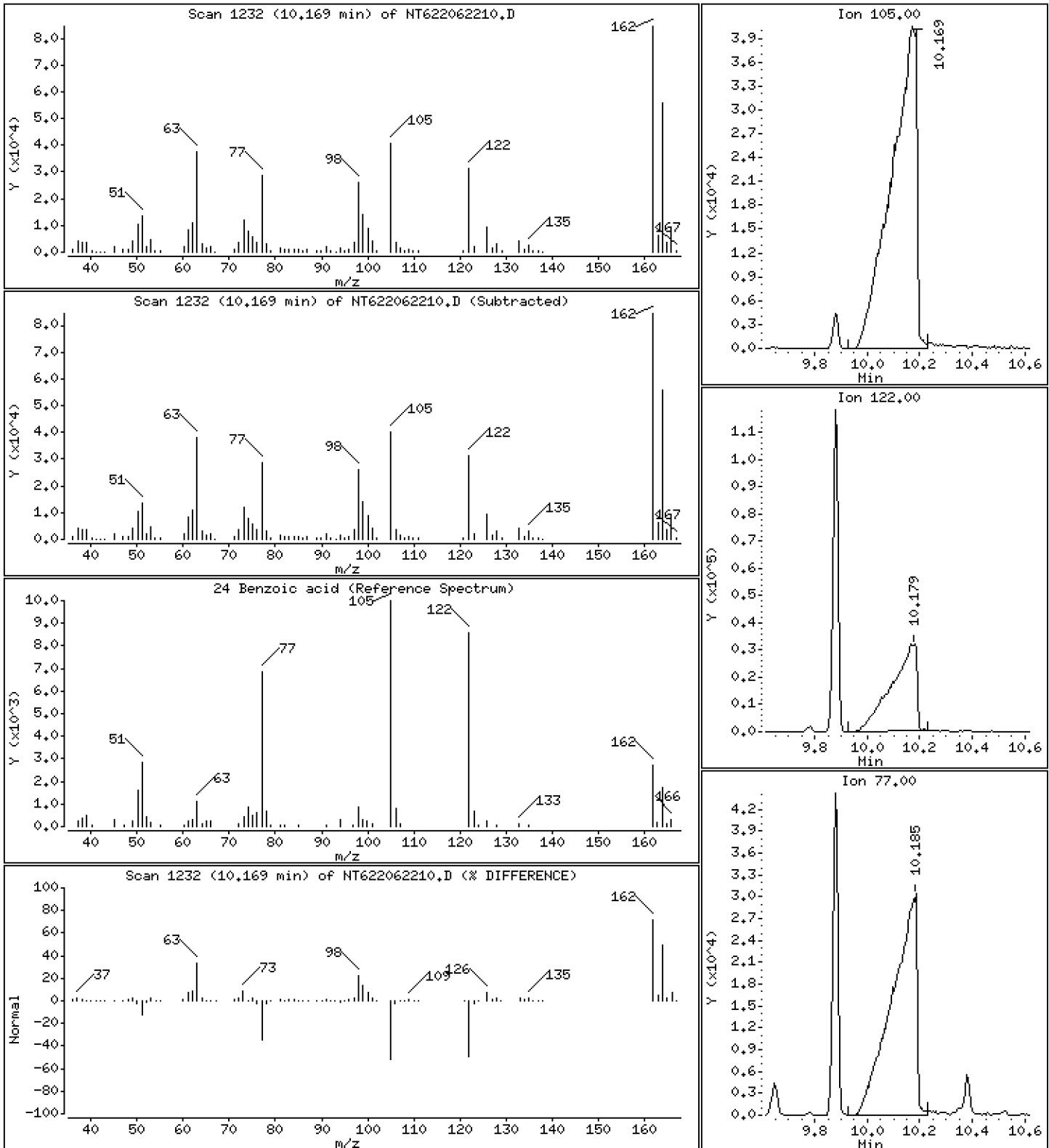
Operator: JZ

Column phase: ZB-5msi

Column diameter: 0.32

24 Benzoic acid

Concentration: 91.17 ug/mL



Date : 22-JUN-2022 16:12

Client ID:

Instrument: nt6.i

Sample Info: BKF0450-BS1.

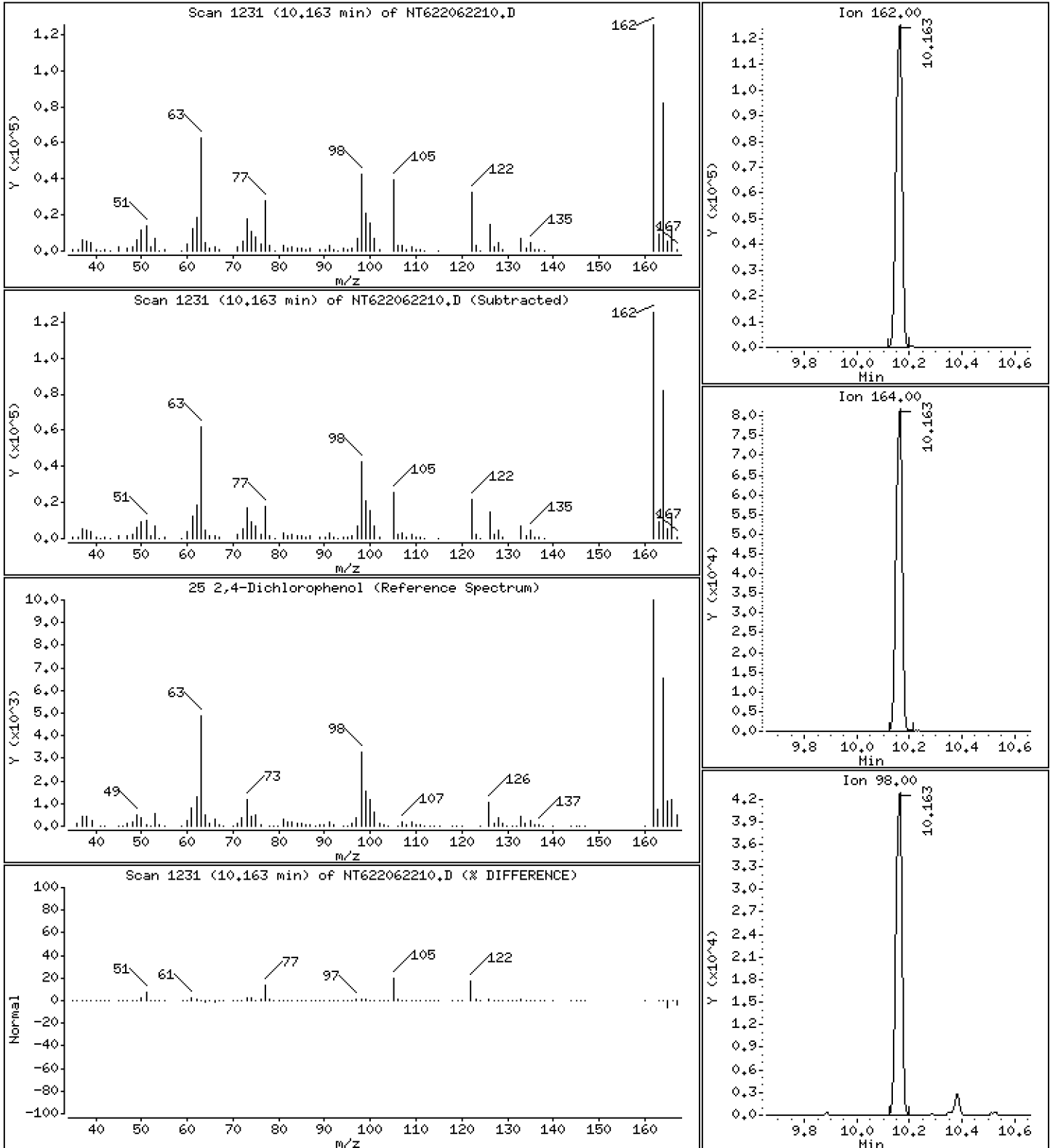
Operator: JZ

Column phase: ZB-5msi

Column diameter: 0.32

25 2,4-Dichlorophenol

Concentration: 47.67 ug/mL



Date : 22-JUN-2022 16:12

Client ID:

Instrument: nt6.i

Sample Info: BKF0450-BS1.

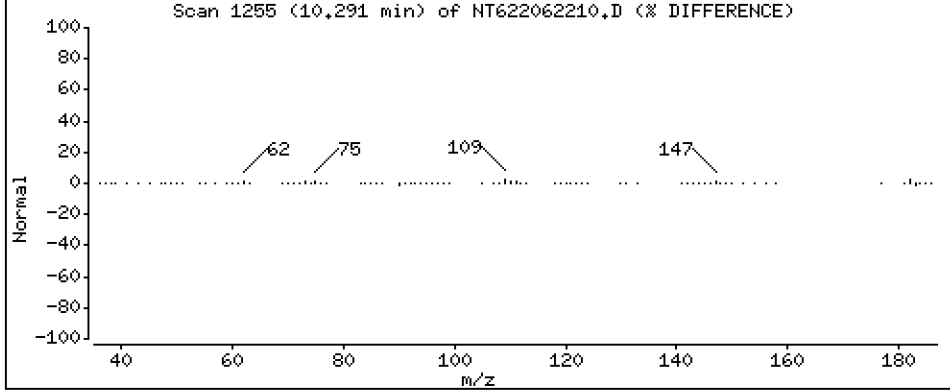
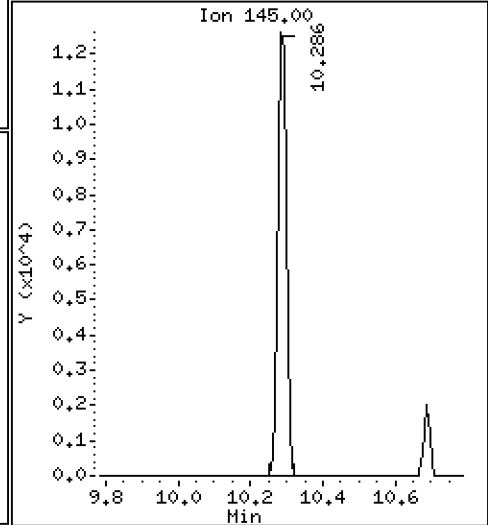
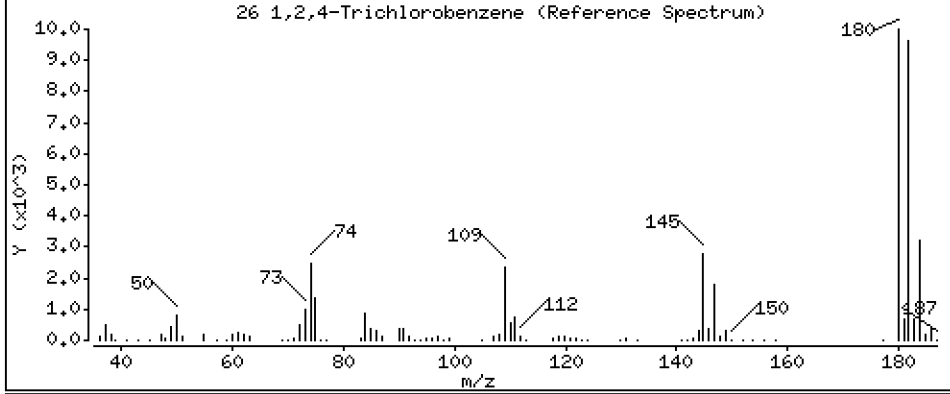
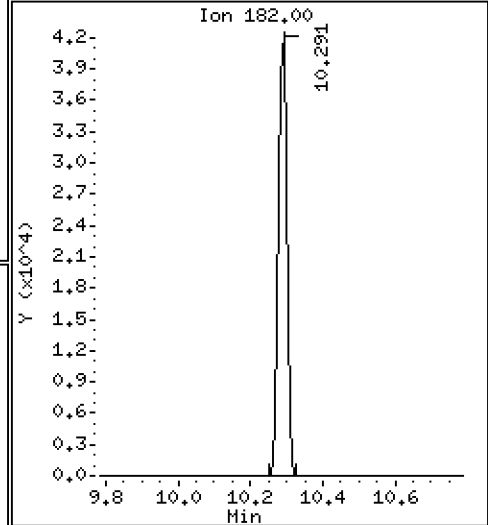
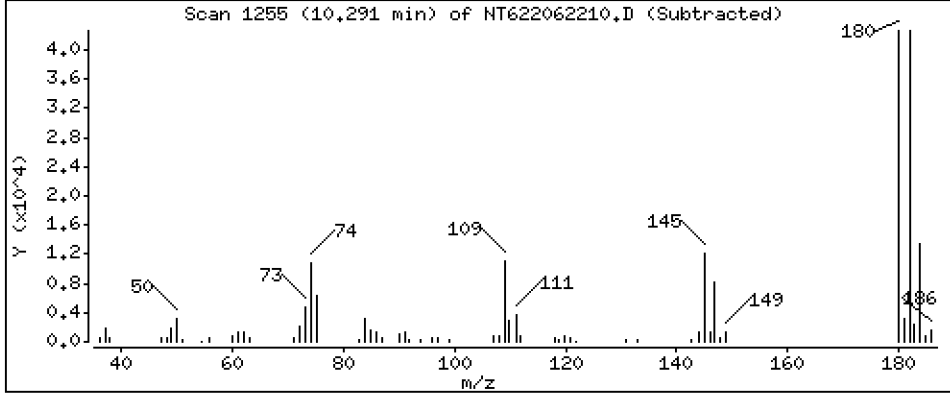
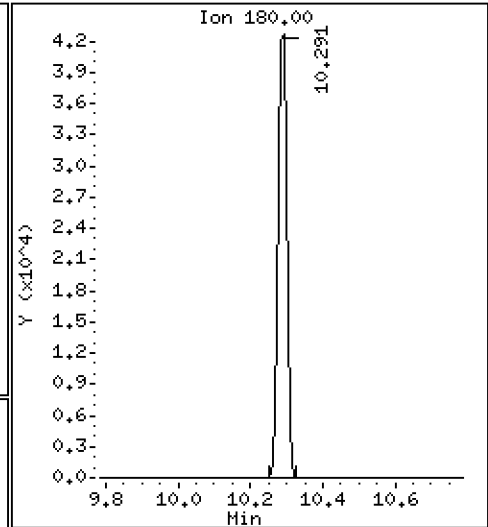
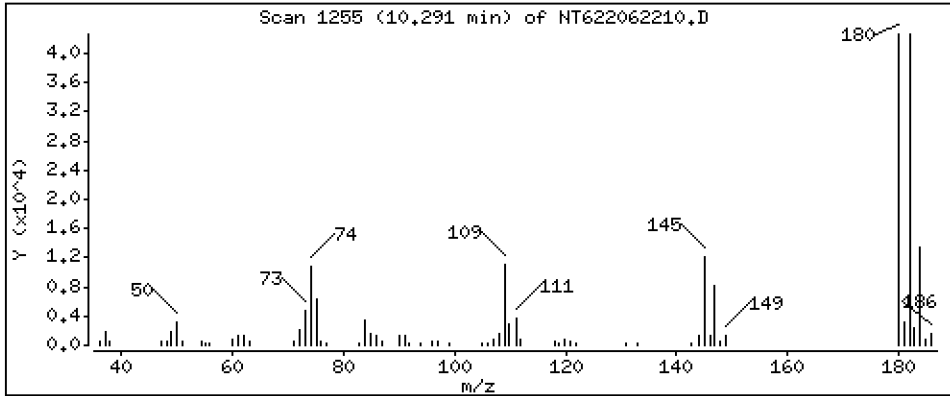
Operator: JZ

Column phase: ZB-5msi

Column diameter: 0.32

26 1,2,4-Trichlorobenzene

Concentration: 14.56 ug/mL



Date : 22-JUN-2022 16:12

Client ID:

Instrument: nt6.i

Sample Info: BKF0450-BS1.

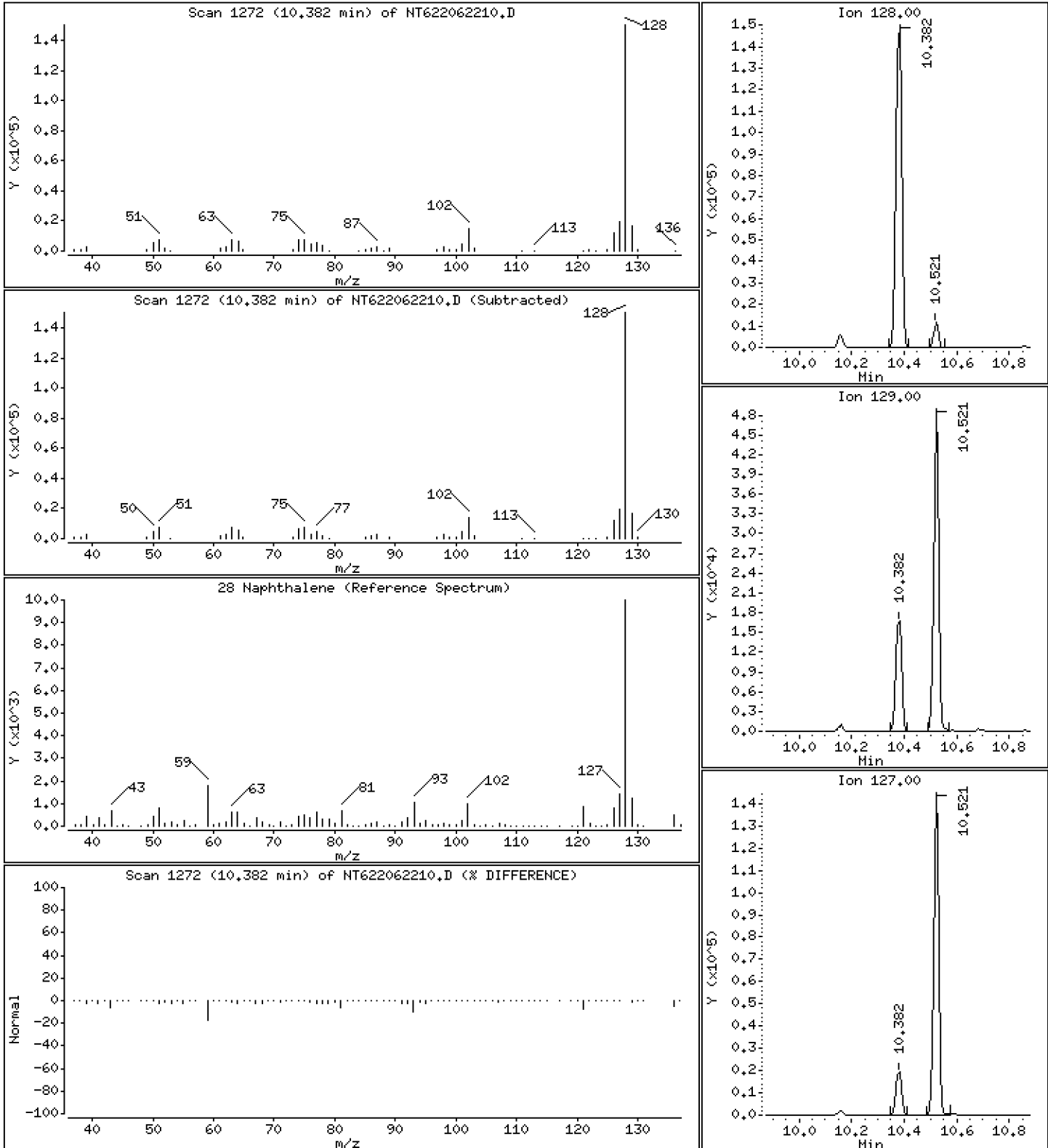
Operator: JZ

Column phase: ZB-5msi

Column diameter: 0.32

28 Naphthalene

Concentration: 17.36 ug/mL



Date : 22-JUN-2022 16:12

Client ID:

Instrument: nt6.i

Sample Info: BKF0450-BS1.

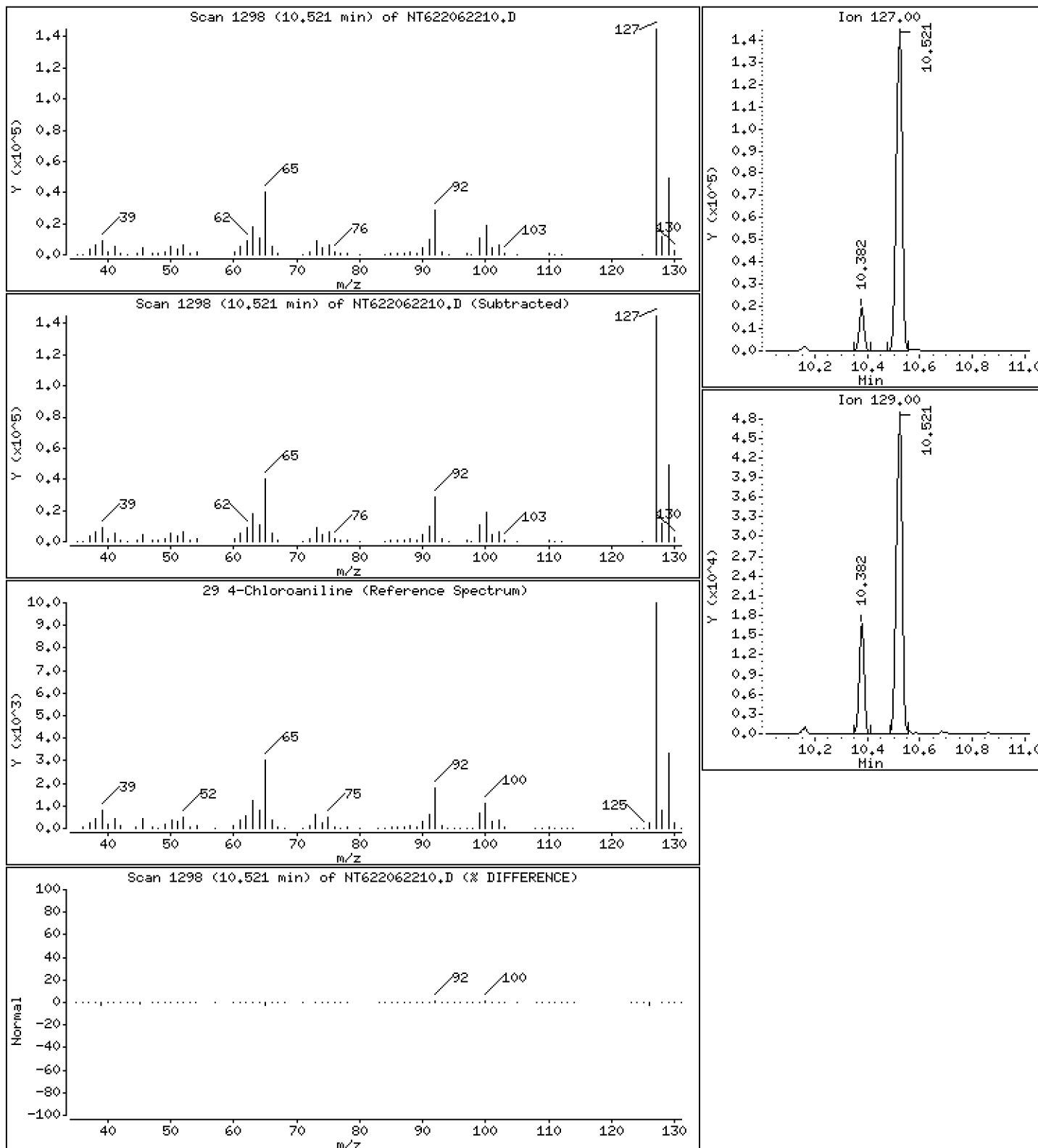
Operator: JZ

Column phase: ZB-5msi

Column diameter: 0.32

29 4-Chloroaniline

Concentration: 41.31 ug/mL



Date : 22-JUN-2022 16:12

Client ID:

Instrument: nt6.i

Sample Info: BKF0450-BS1.

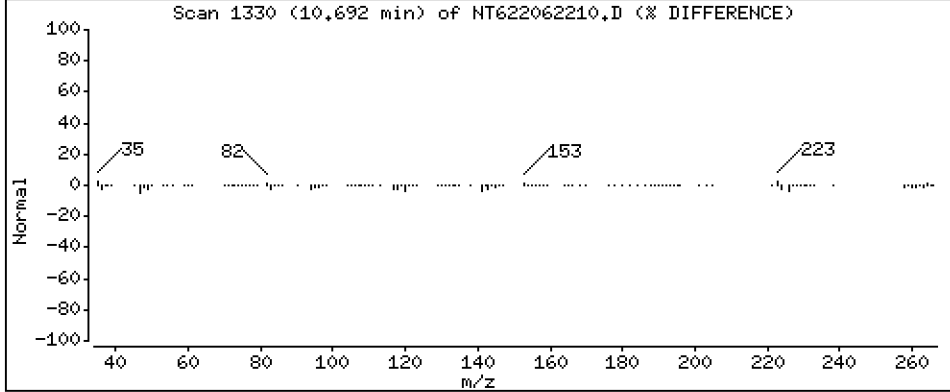
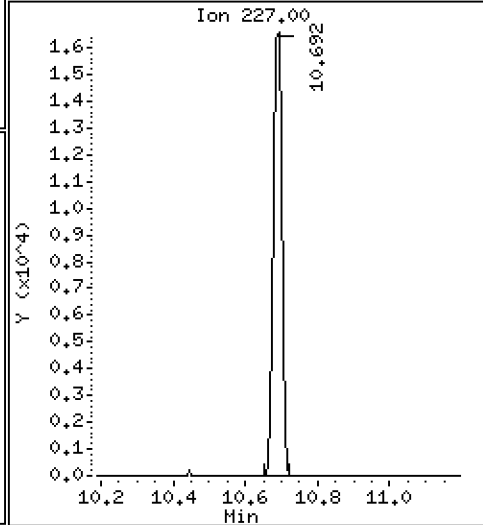
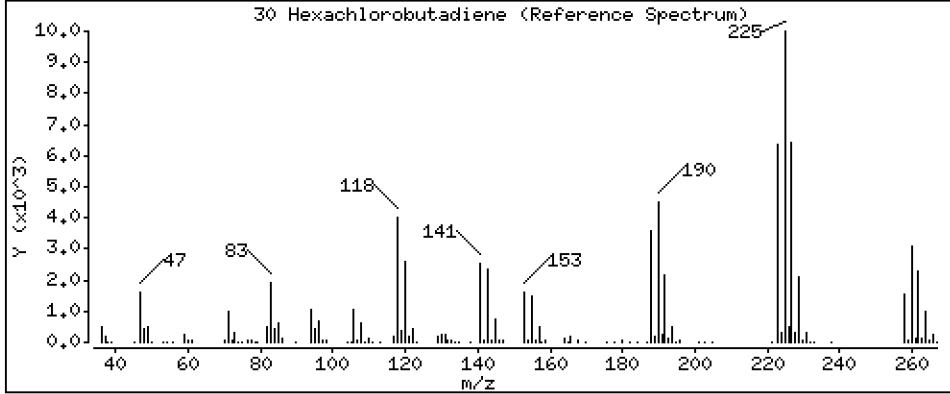
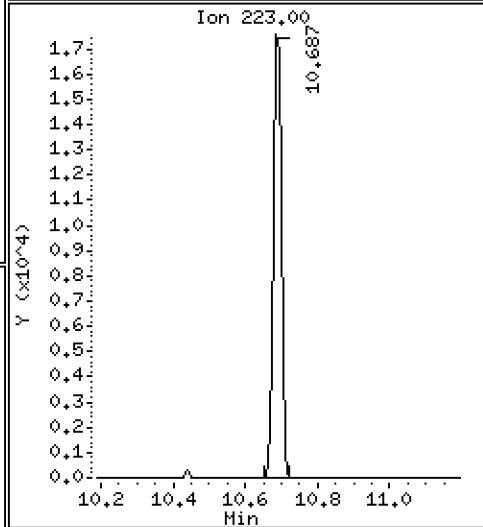
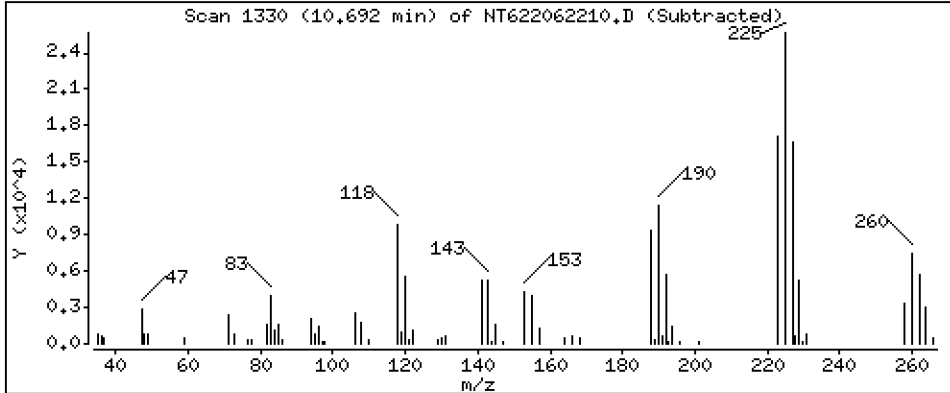
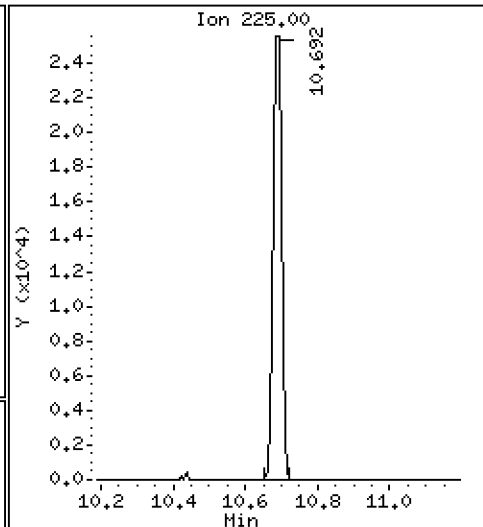
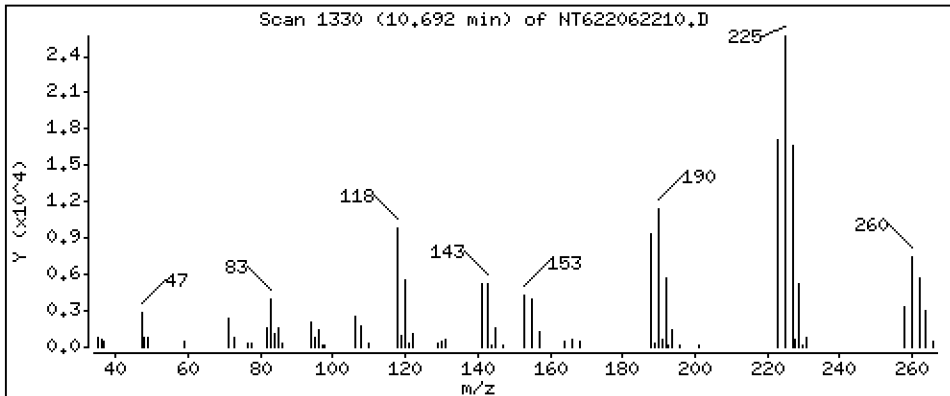
Operator: JZ

Column phase: ZB-5msi

Column diameter: 0.32

30 Hexachlorobutadiene

Concentration: 13.03 ug/mL



Date : 22-JUN-2022 16:12

Client ID:

Instrument: nt6.i

Sample Info: BKF0450-BS1.

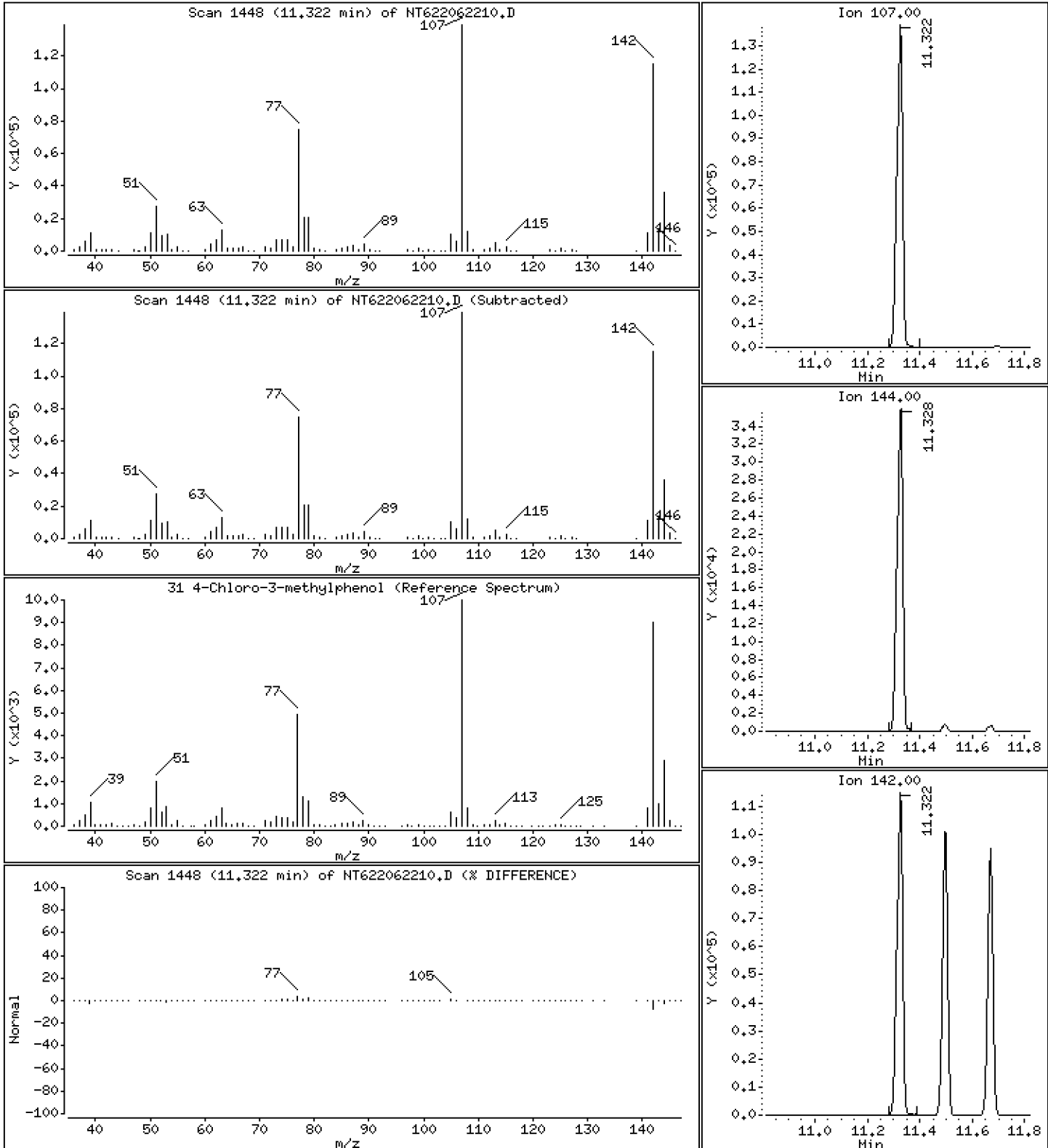
Operator: JZ

Column phase: ZB-5msi

Column diameter: 0.32

31 4-Chloro-3-methylphenol

Concentration: 49.99 ug/mL



Date : 22-JUN-2022 16:12

Client ID:

Instrument: nt6.i

Sample Info: BKF0450-BS1.

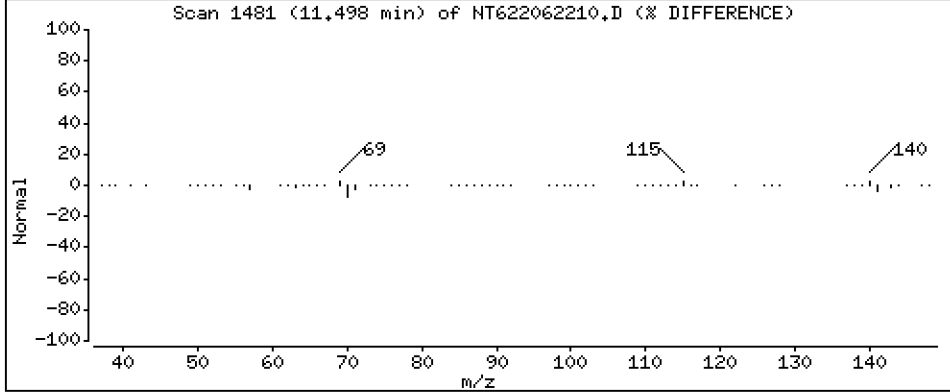
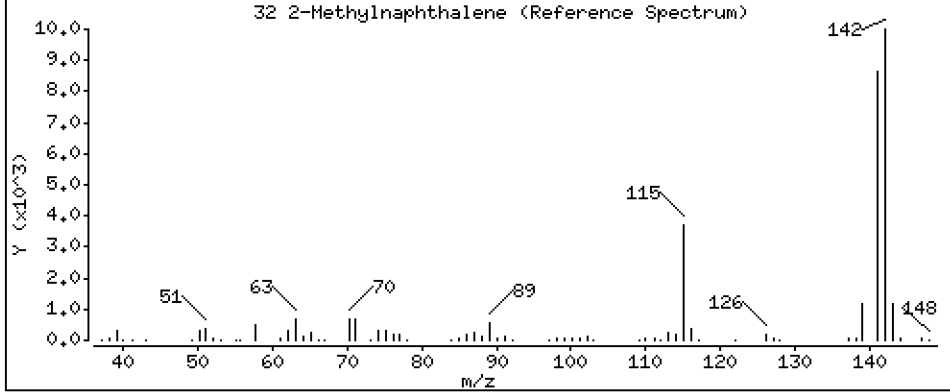
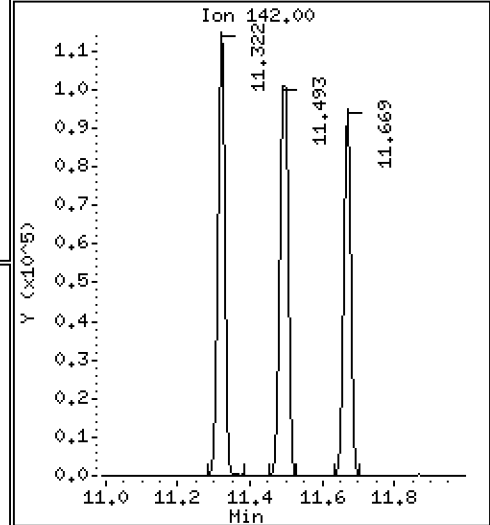
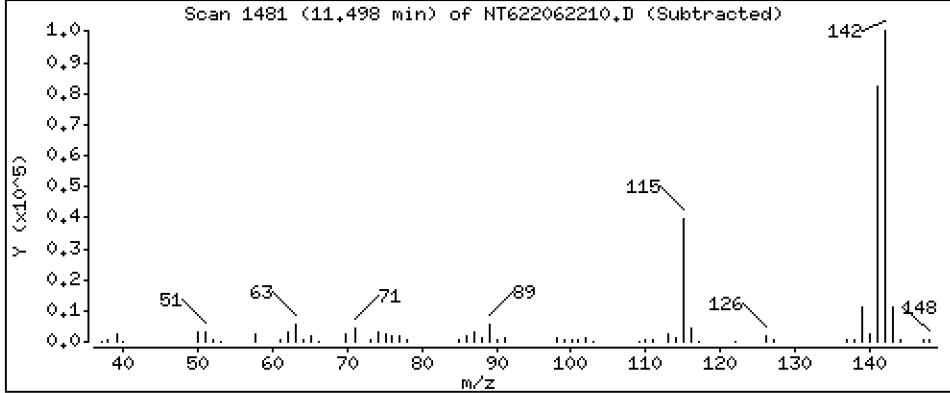
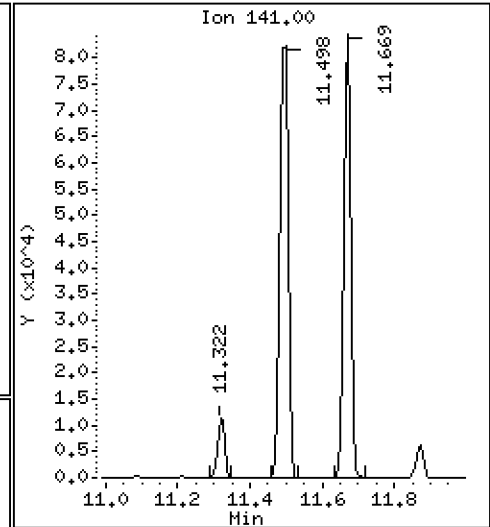
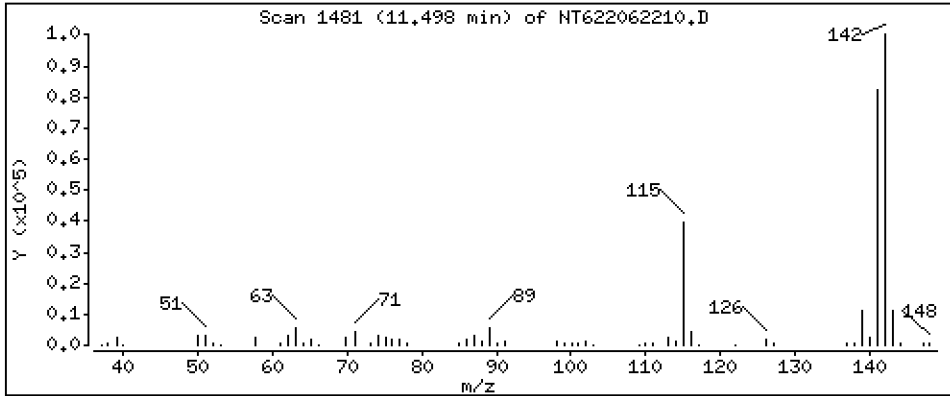
Operator: JZ

Column phase: ZB-5msi

Column diameter: 0.32

32 2-Methylnaphthalene

Concentration: 17.65 ug/mL



Date : 22-JUN-2022 16:12

Client ID:

Instrument: nt6.i

Sample Info: BKF0450-BS1.

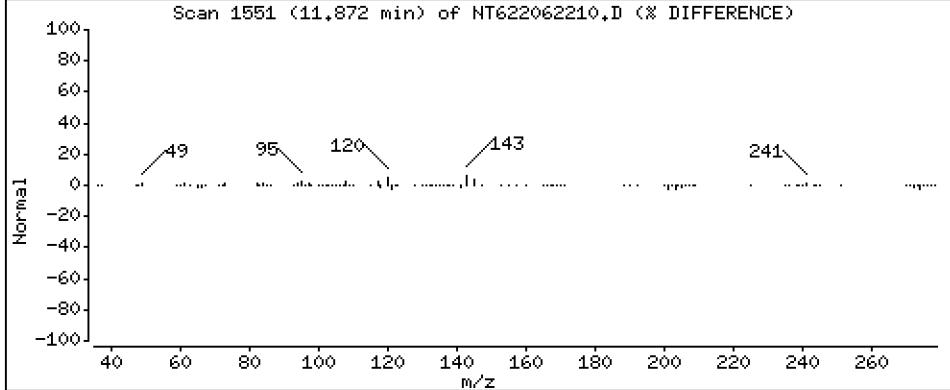
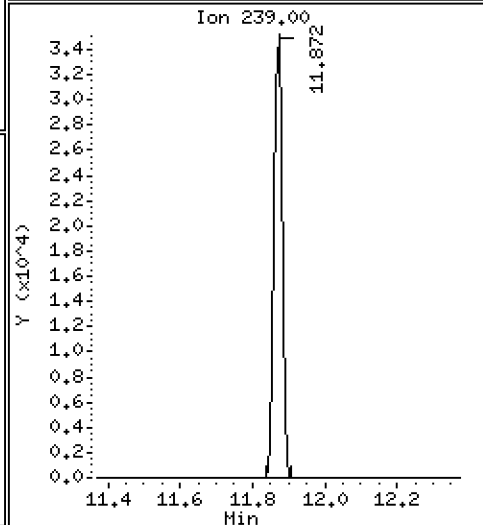
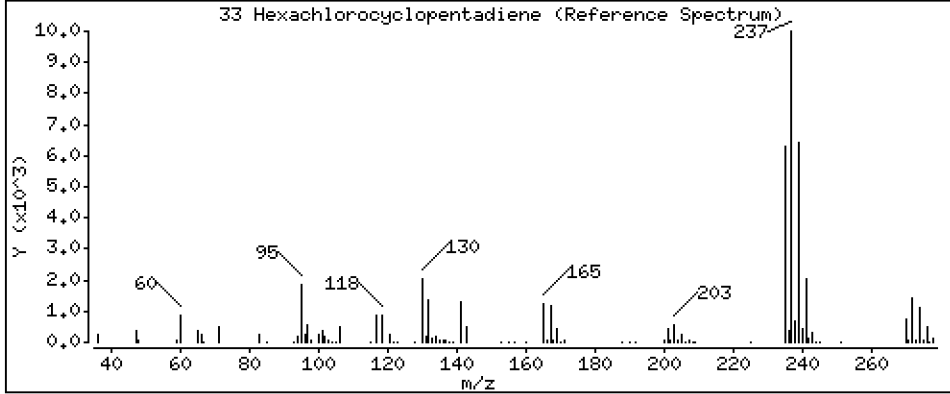
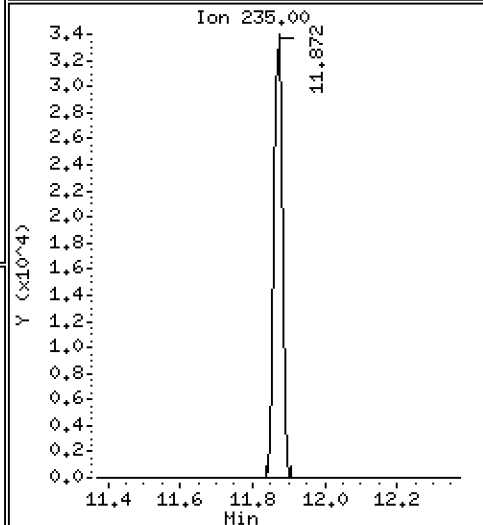
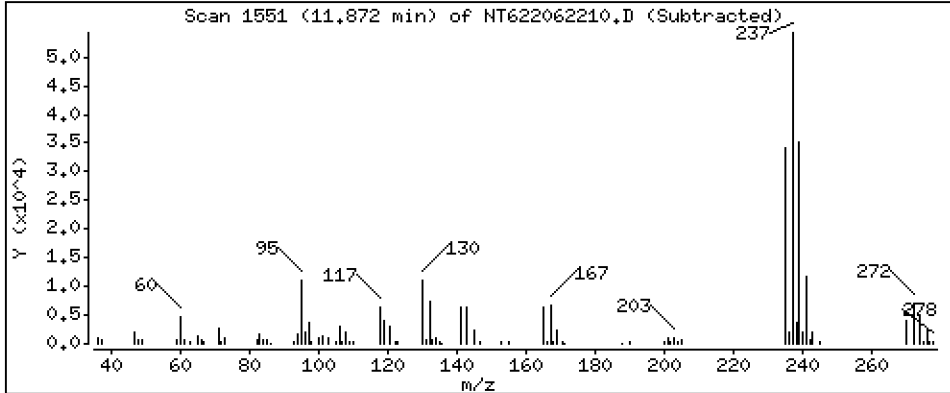
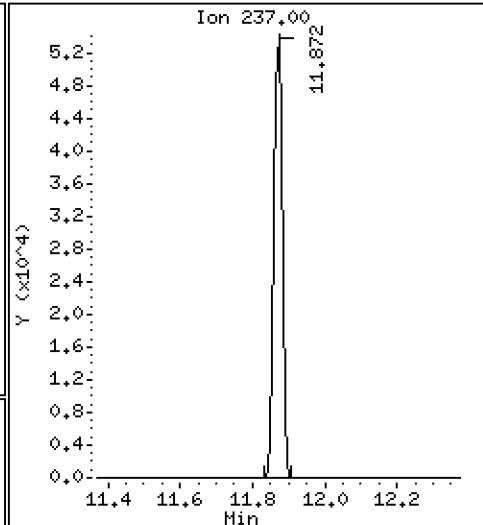
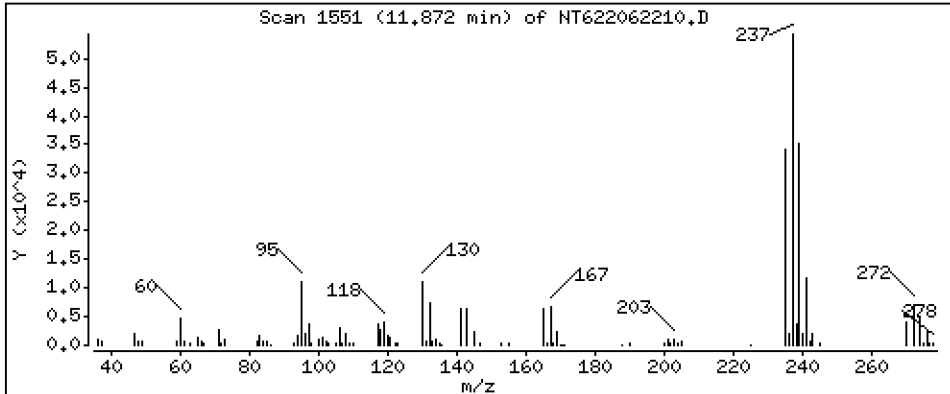
Operator: JZ

Column phase: ZB-5msi

Column diameter: 0.32

33 Hexachlorocyclopentadiene

Concentration: 24.69 ug/mL



Date : 22-JUN-2022 16:12

Client ID:

Instrument: nt6.i

Sample Info: BKF0450-BS1.

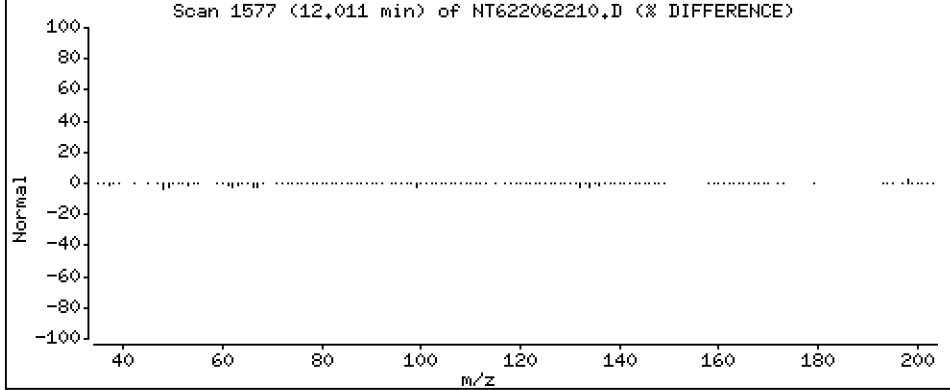
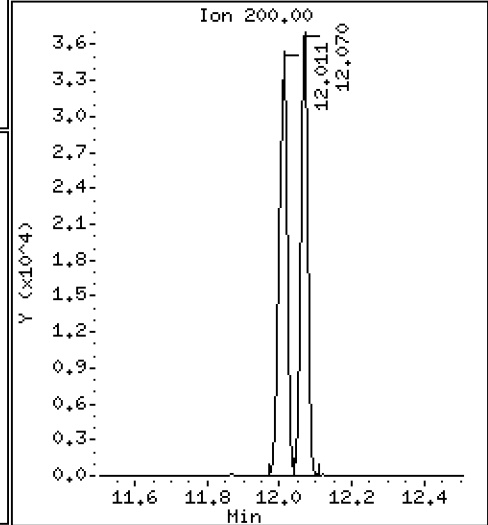
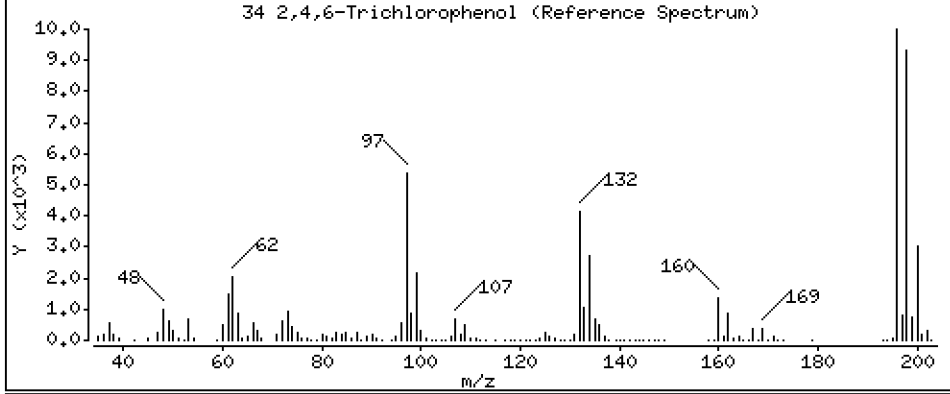
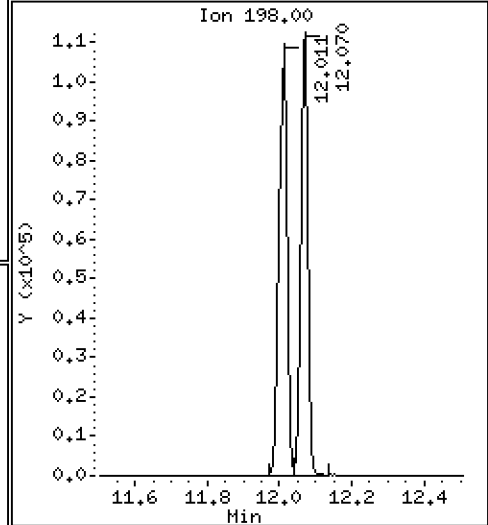
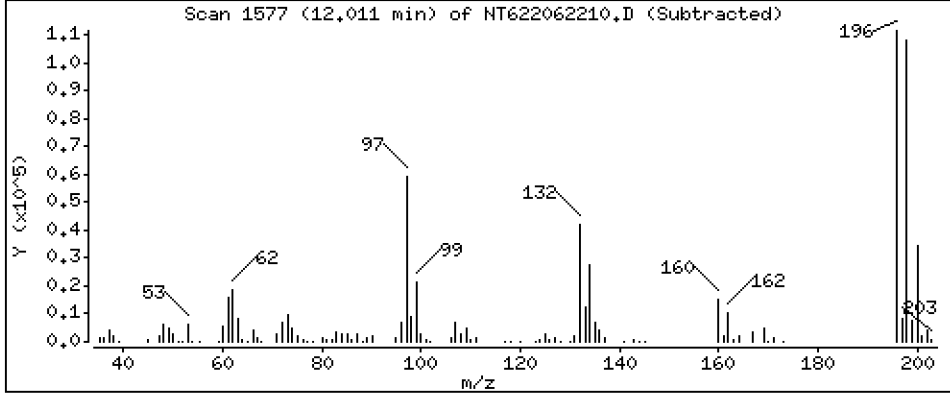
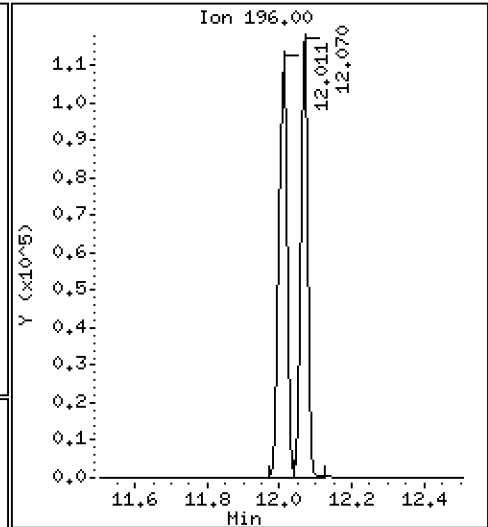
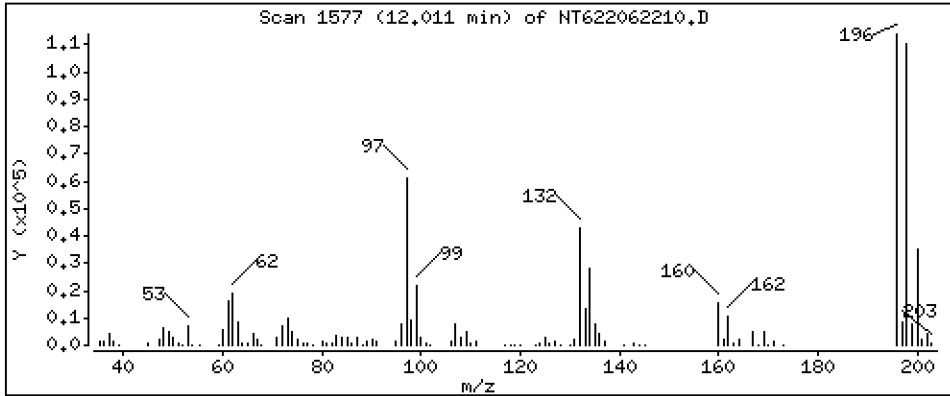
Operator: JZ

Column phase: ZB-5msi

Column diameter: 0.32

34 2,4,6-Trichlorophenol

Concentration: 49.22 ug/mL



Date : 22-JUN-2022 16:12

Client ID:

Instrument: nt6.i

Sample Info: BKF0450-BS1.

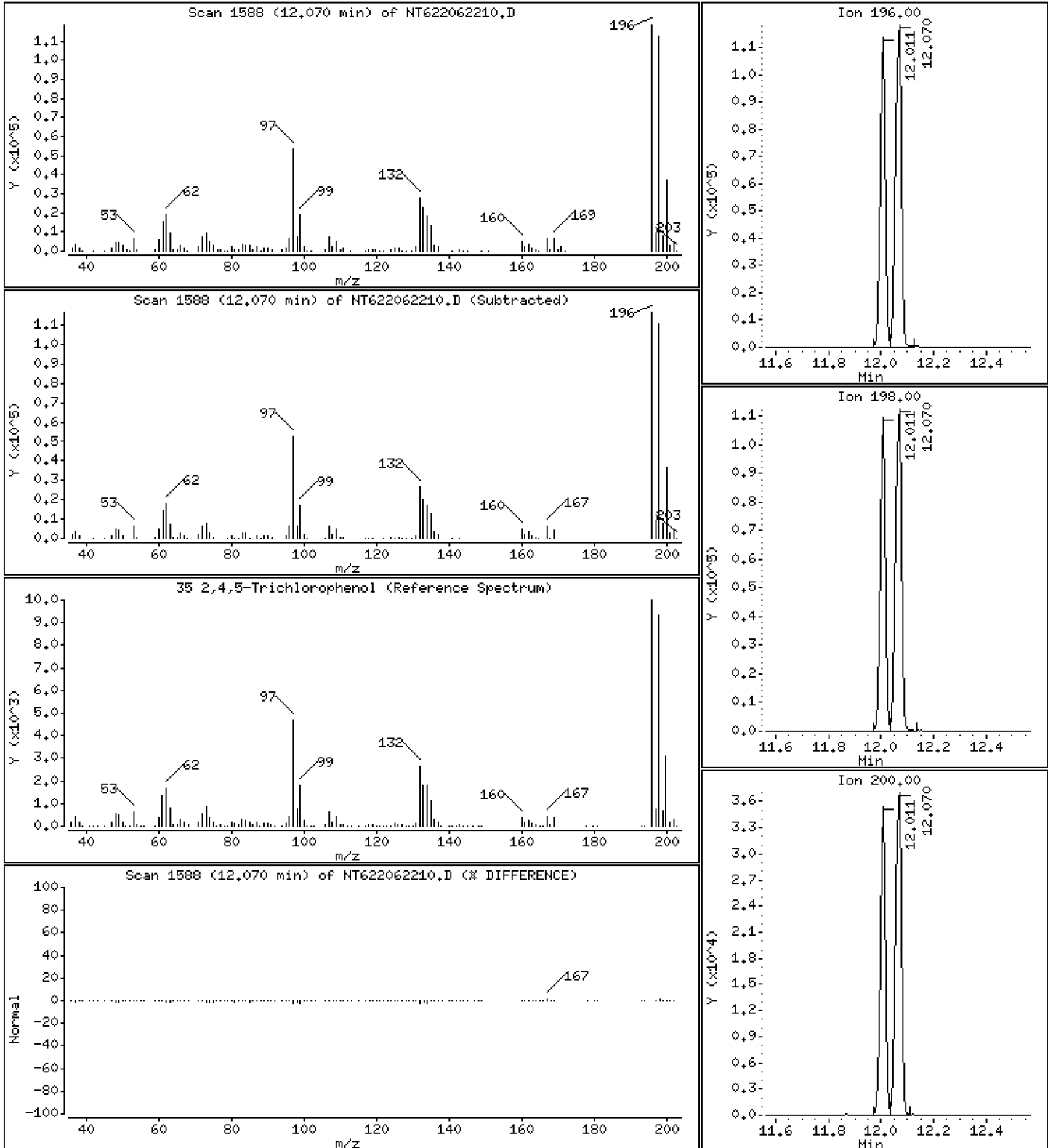
Operator: JZ

Column phase: ZB-5msi

Column diameter: 0.32

35 2,4,5-Trichlorophenol

Concentration: 47.59 ug/mL



Date : 22-JUN-2022 16:12

Client ID:

Instrument: nt6.i

Sample Info: BKF0450-BS1.

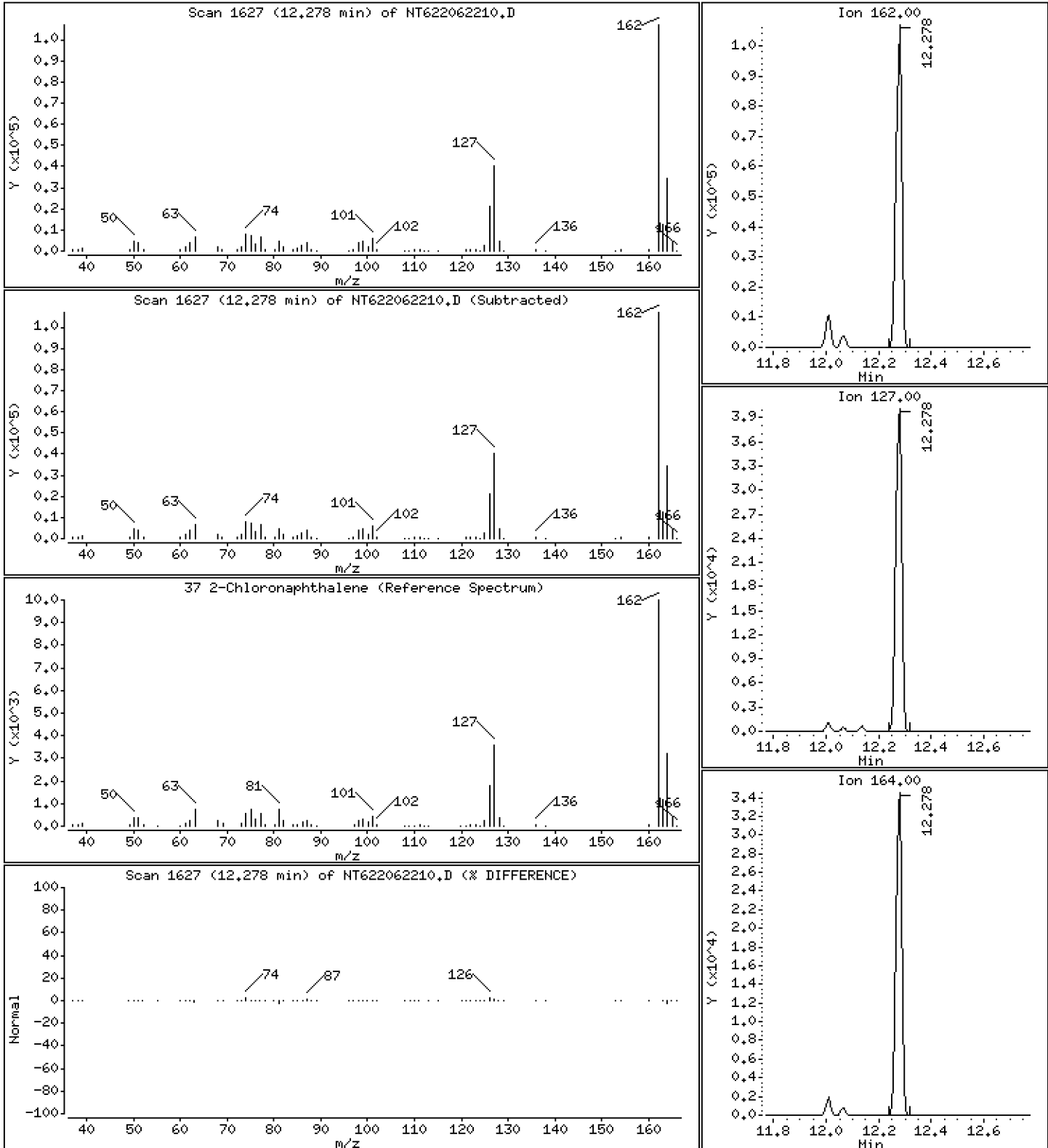
Operator: JZ

Column phase: ZB-5msi

Column diameter: 0.32

37 2-Chloronaphthalene

Concentration: 17.22 ug/mL



Date : 22-JUN-2022 16:12

Client ID:

Instrument: nt6.i

Sample Info: BKF0450-BS1.

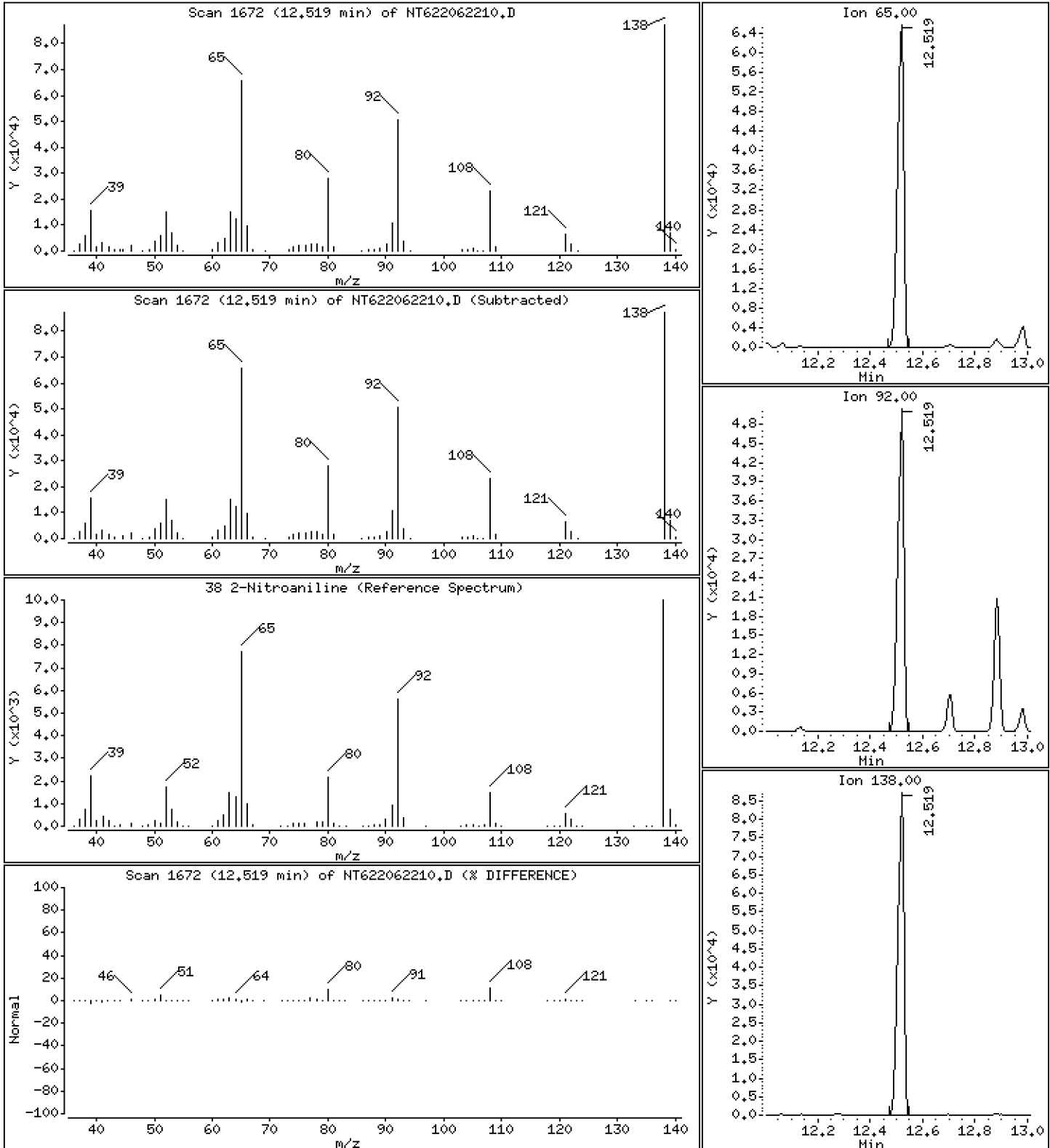
Operator: JZ

Column phase: ZB-5msi

Column diameter: 0.32

38 2-Nitroaniline

Concentration: 46.01 ug/mL



Date : 22-JUN-2022 16:12

Client ID:

Instrument: nt6.i

Sample Info: BKF0450-BS1.

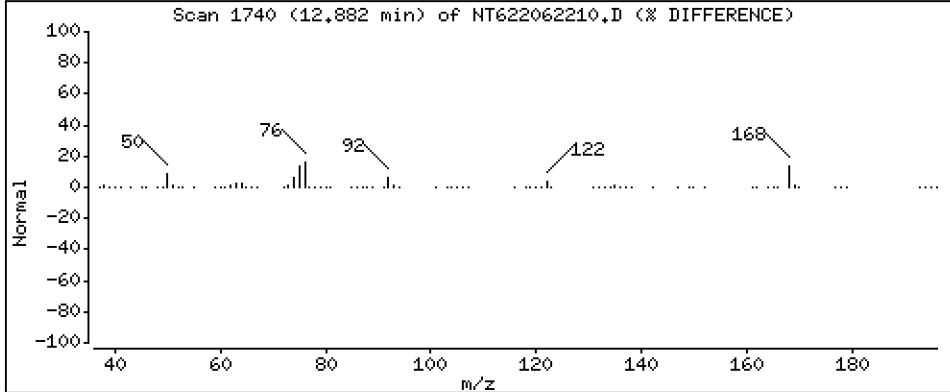
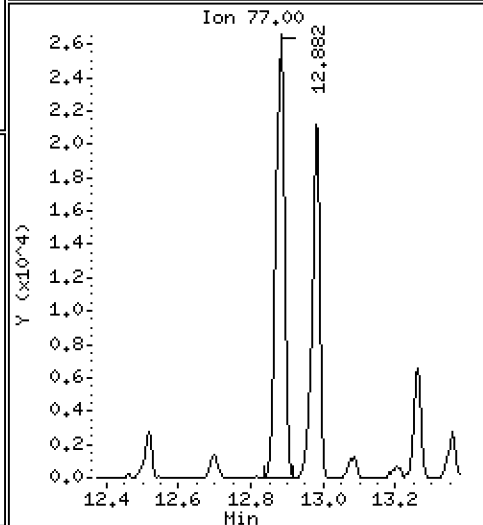
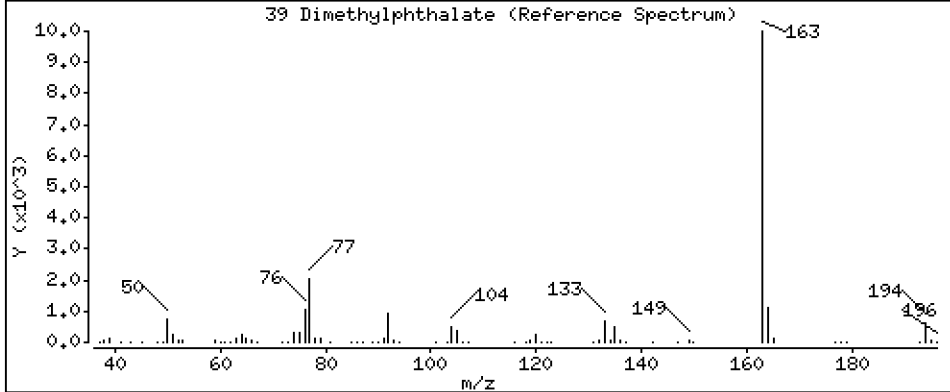
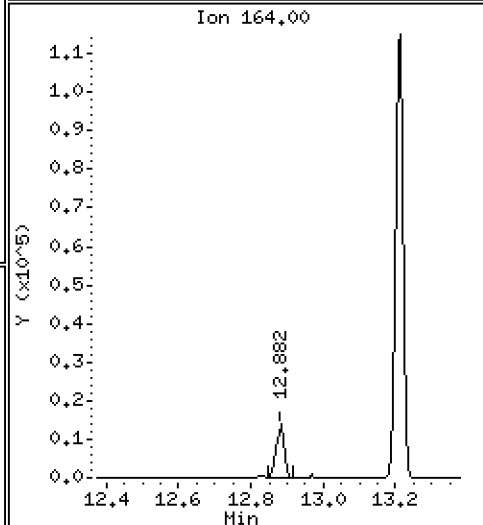
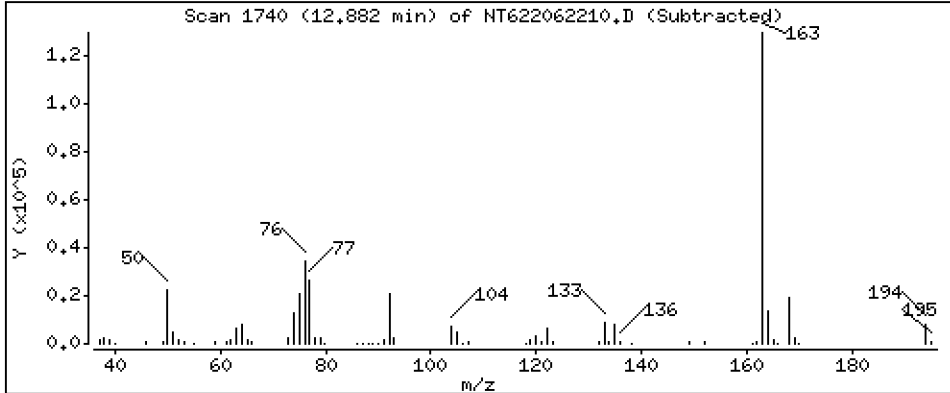
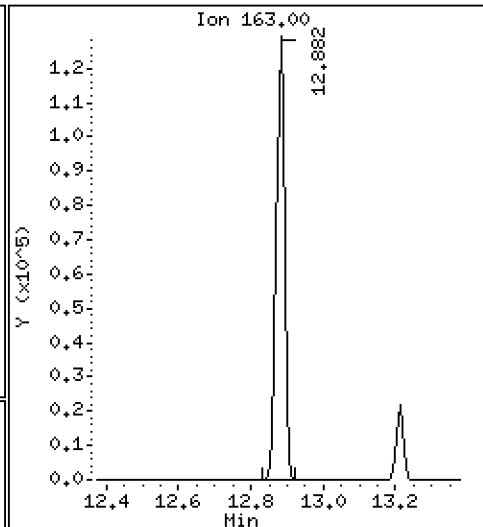
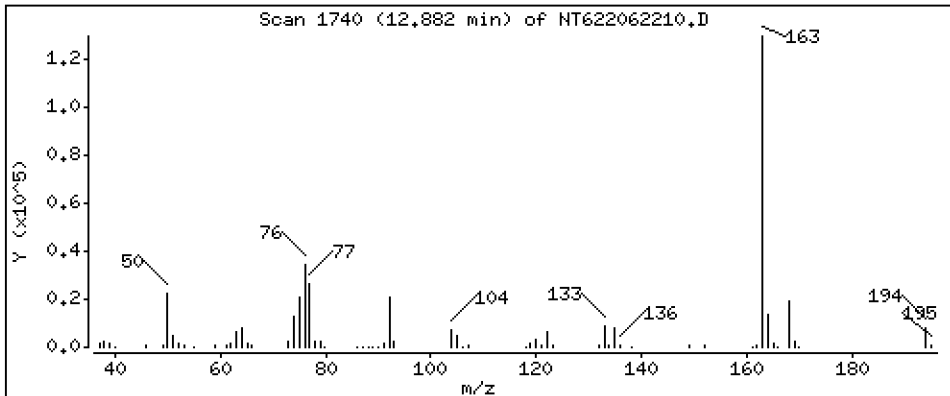
Operator: JZ

Column phase: ZB-5msi

Column diameter: 0.32

39 Dimethylphthalate

Concentration: 20.66 ug/mL



Date : 22-JUN-2022 16:12

Client ID:

Instrument: nt6.i

Sample Info: BKF0450-BS1.

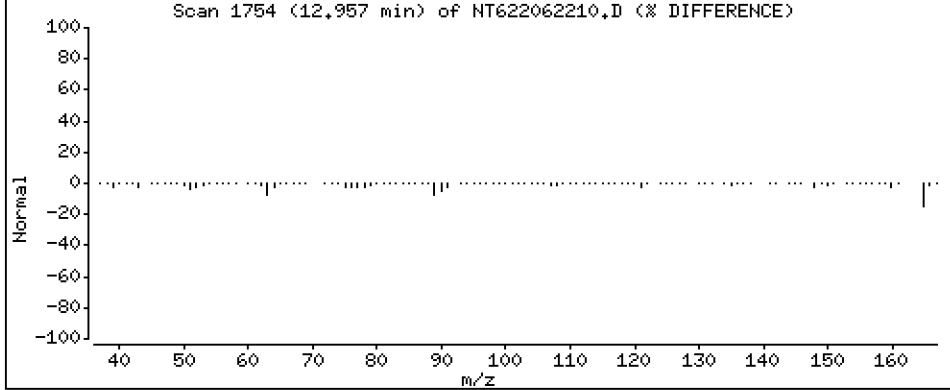
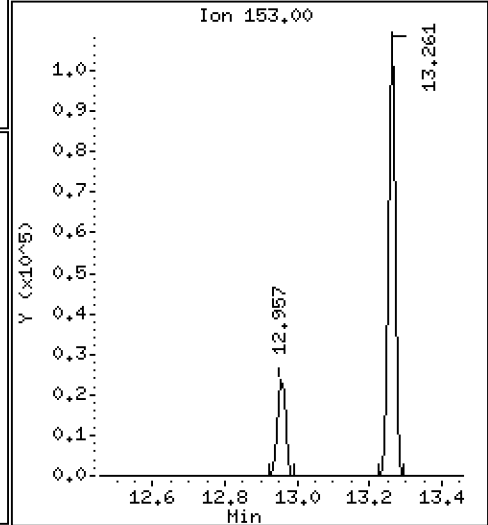
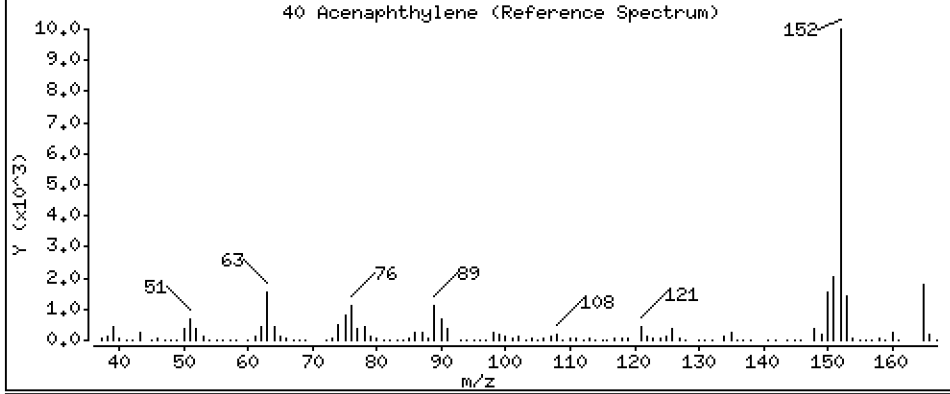
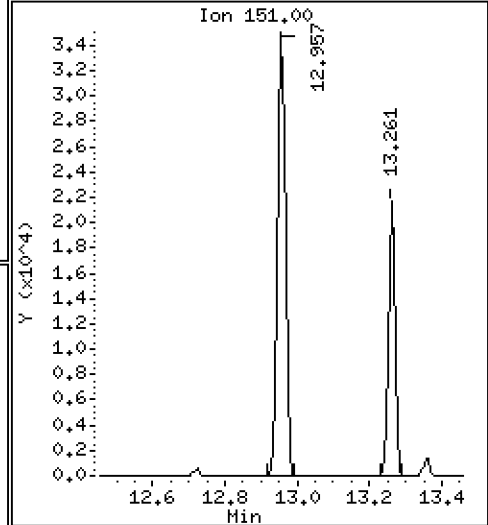
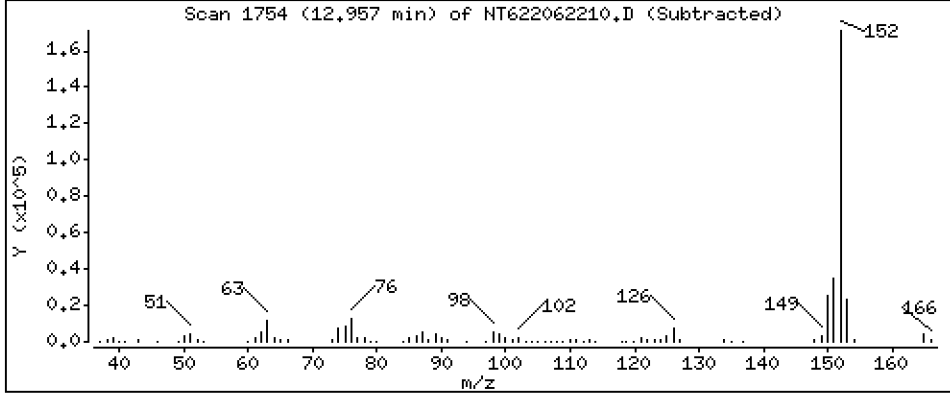
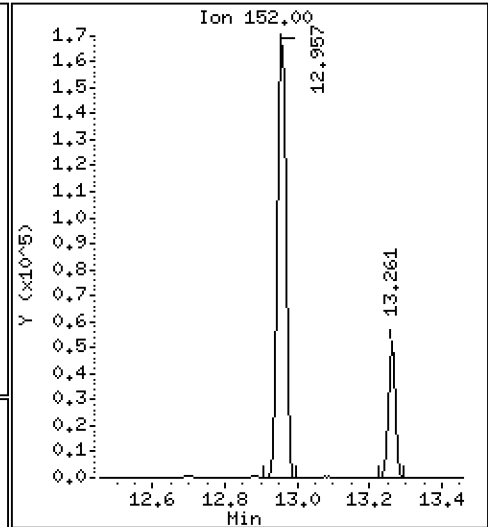
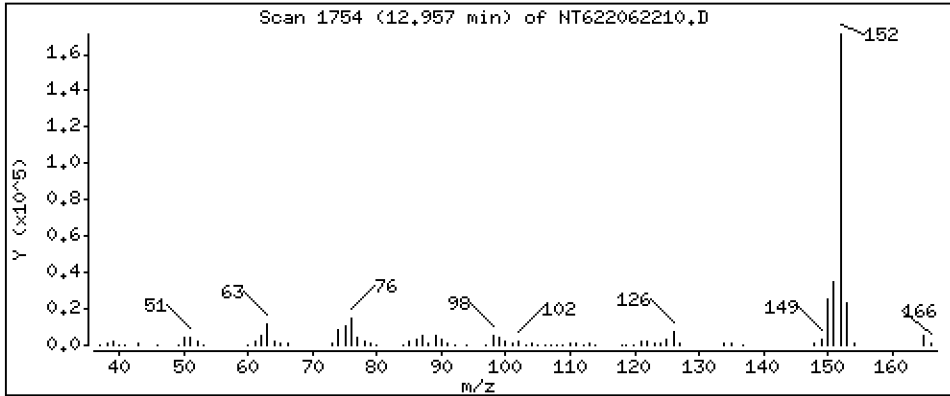
Operator: JZ

Column phase: ZB-5msi

Column diameter: 0.32

40 Acenaphthylene

Concentration: 17.78 ug/mL



Date : 22-JUN-2022 16:12

Client ID:

Instrument: nt6.i

Sample Info: BKF0450-BS1.

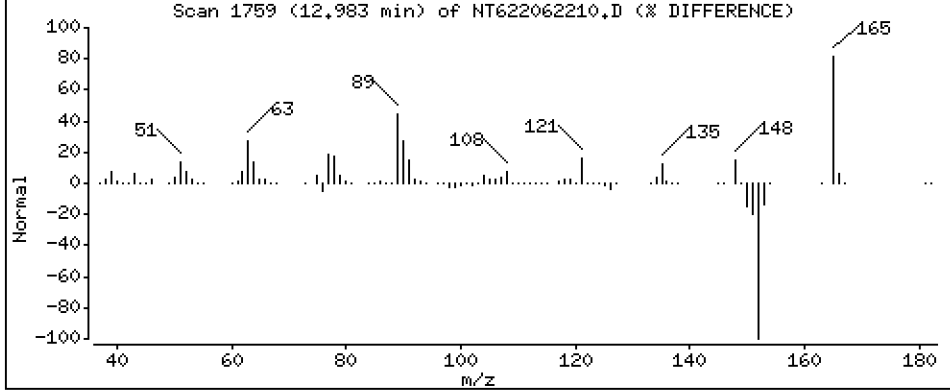
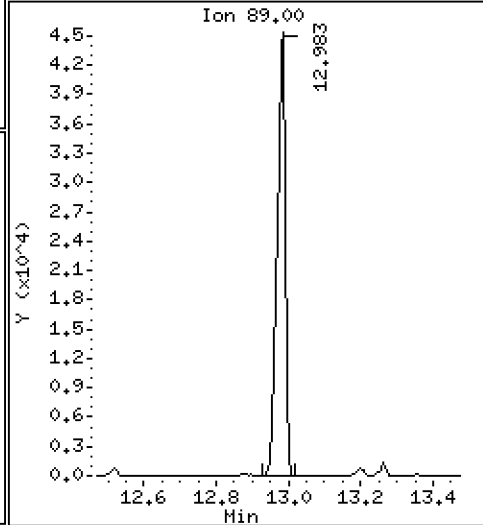
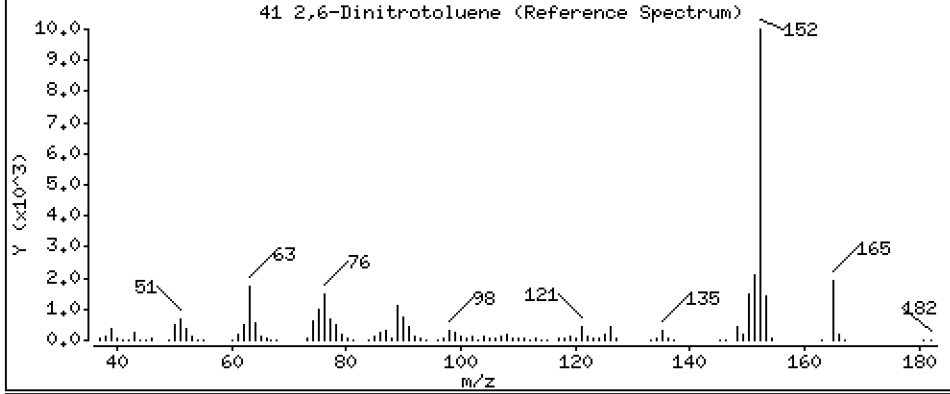
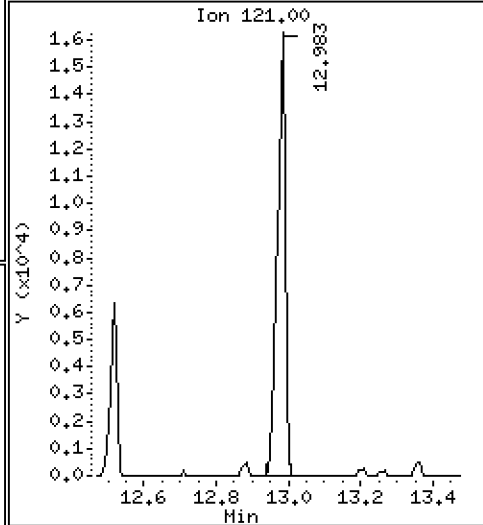
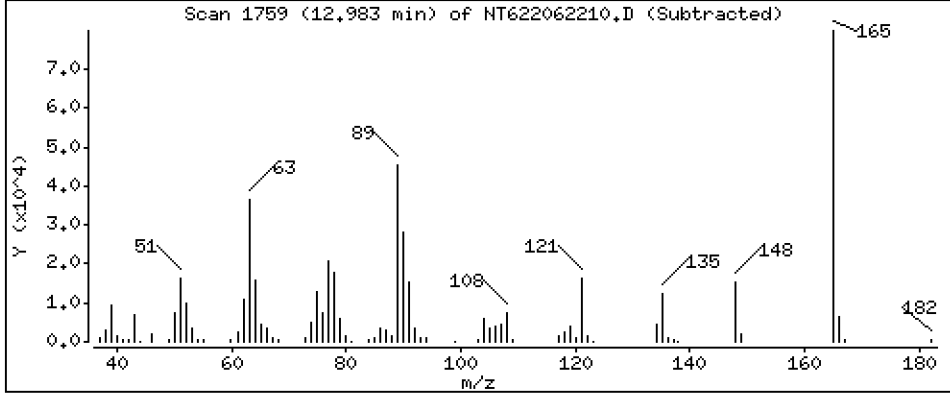
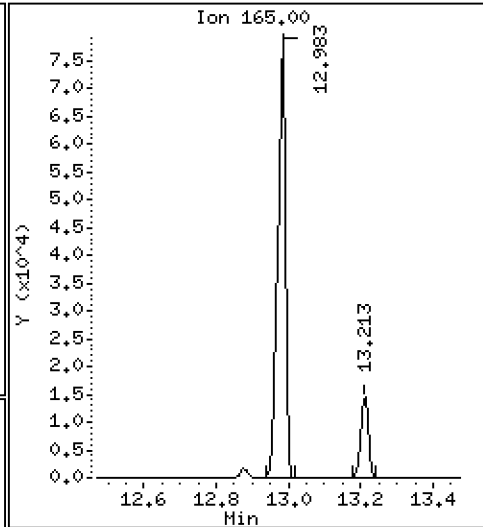
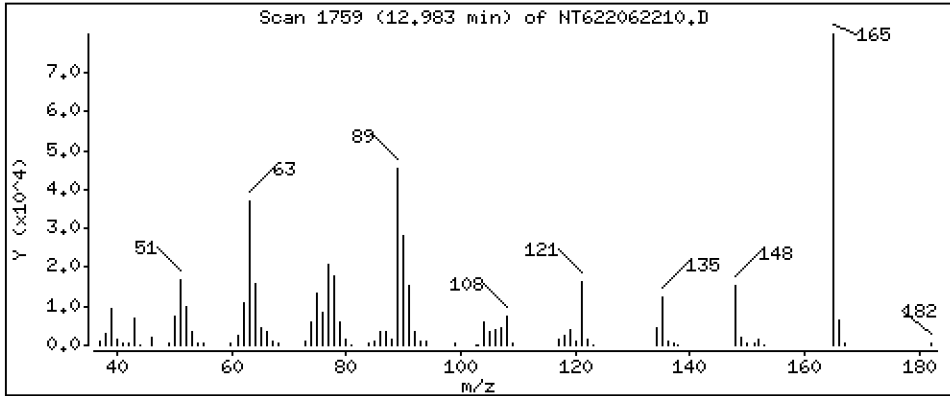
Operator: JZ

Column phase: ZB-5msi

Column diameter: 0.32

41 2,6-Dinitrotoluene

Concentration: 52.07 ug/mL



Date : 22-JUN-2022 16:12

Client ID:

Instrument: nt6.i

Sample Info: BKF0450-BS1.

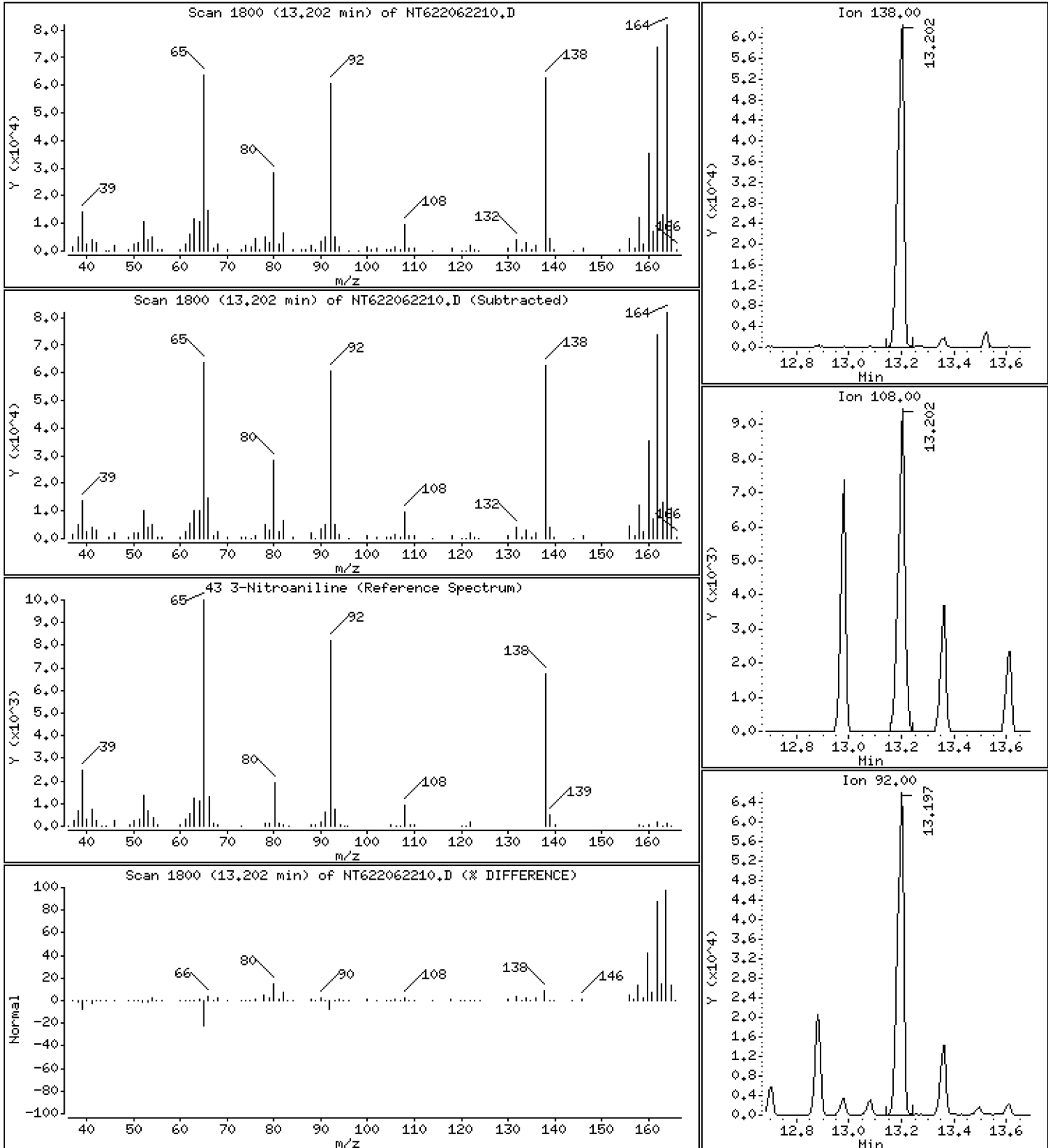
Operator: JZ

Column phase: ZB-5msi

Column diameter: 0.32

43 3-Nitroaniline

Concentration: 47.16 ug/mL



Date : 22-JUN-2022 16:12

Client ID:

Instrument: nt6.i

Sample Info: BKF0450-BS1.

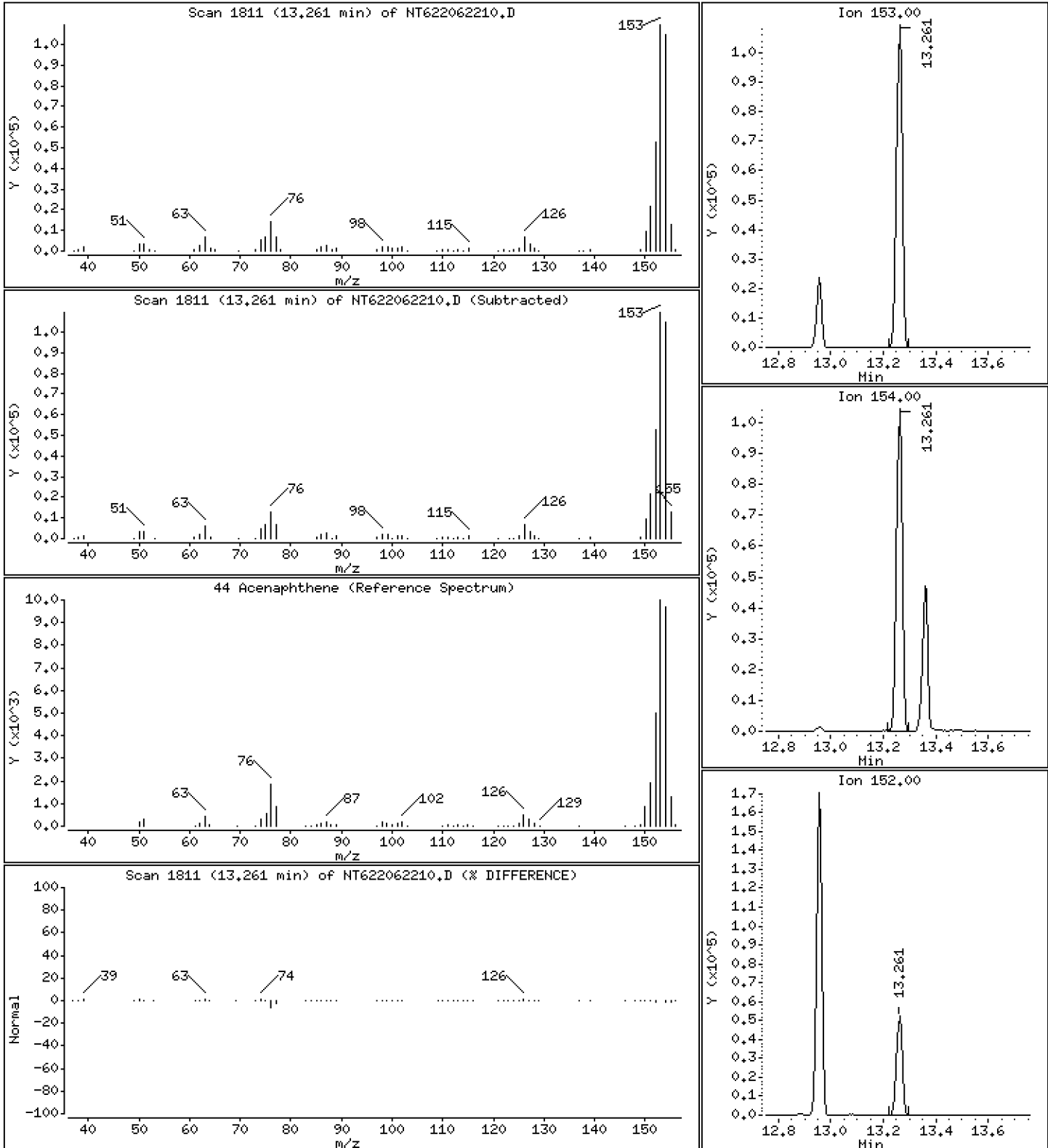
Operator: JZ

Column phase: ZB-5msi

Column diameter: 0.32

44 Acenaphthene

Concentration: 18.29 ug/mL



Date : 22-JUN-2022 16:12

Client ID:

Instrument: nt6.i

Sample Info: BKF0450-BS1.

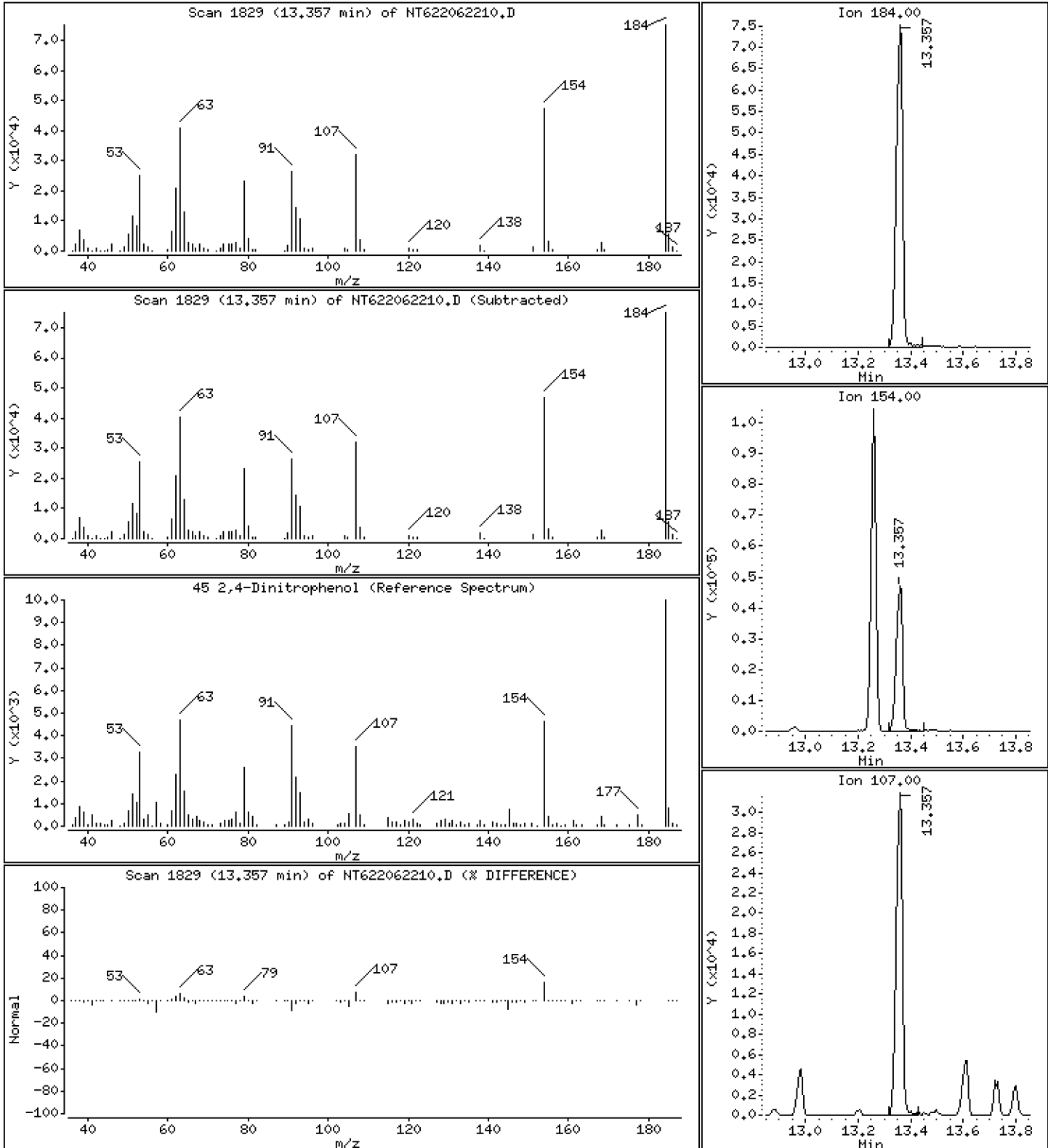
Operator: JZ

Column phase: ZB-5msi

Column diameter: 0.32

45 2,4-Dinitrophenol

Concentration: 82.10 ug/mL



Date : 22-JUN-2022 16:12

Client ID:

Instrument: nt6.i

Sample Info: BKF0450-BS1.

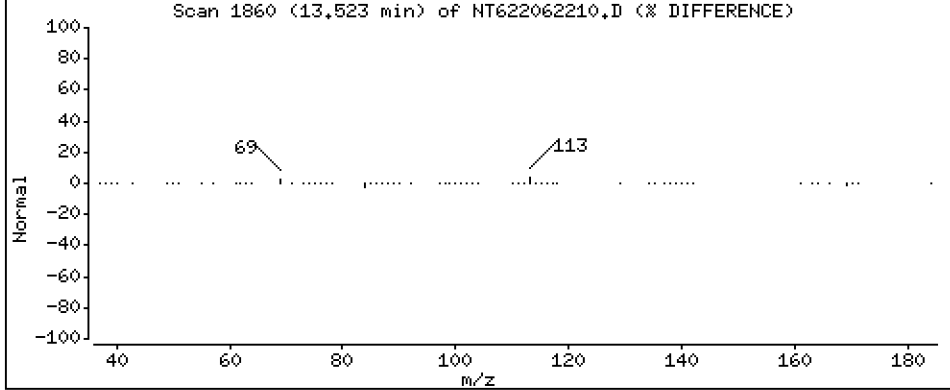
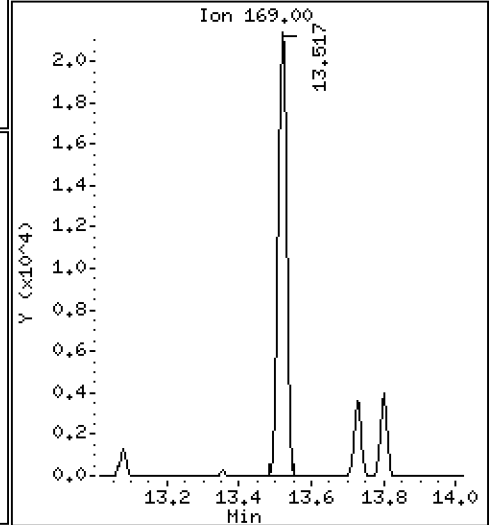
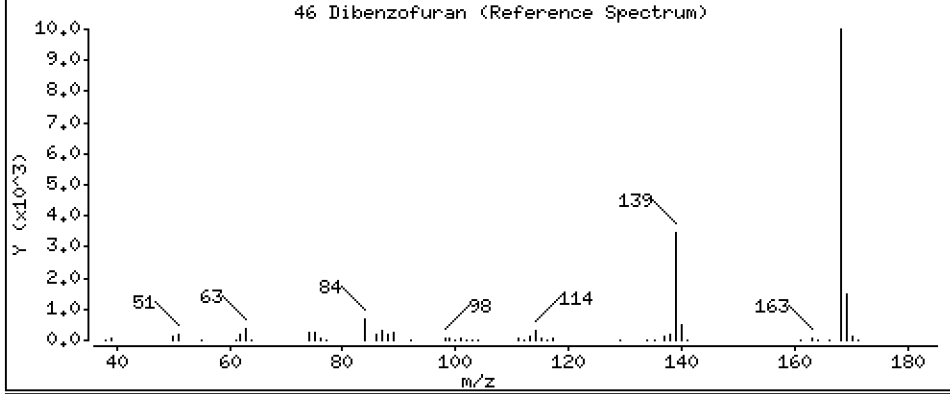
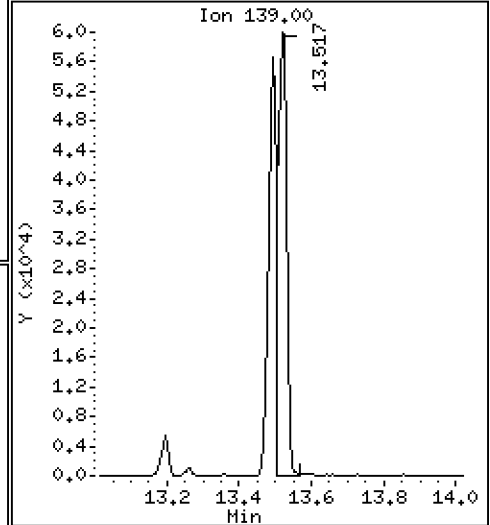
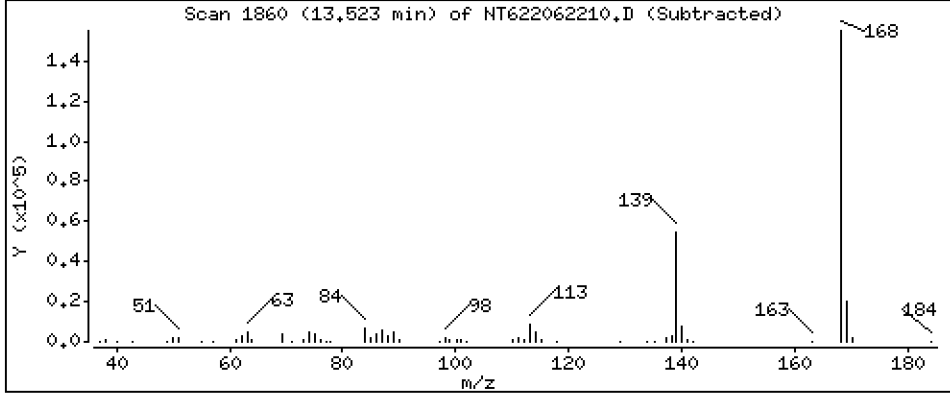
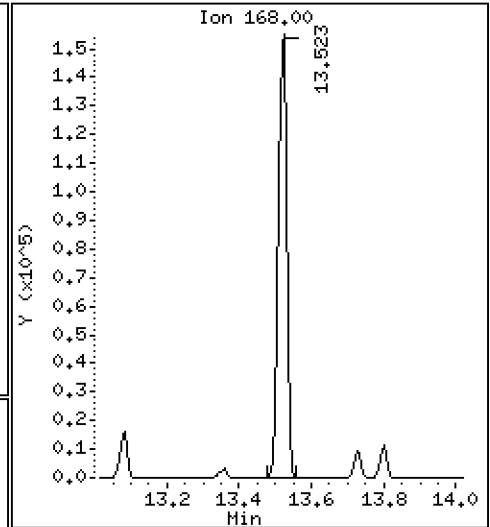
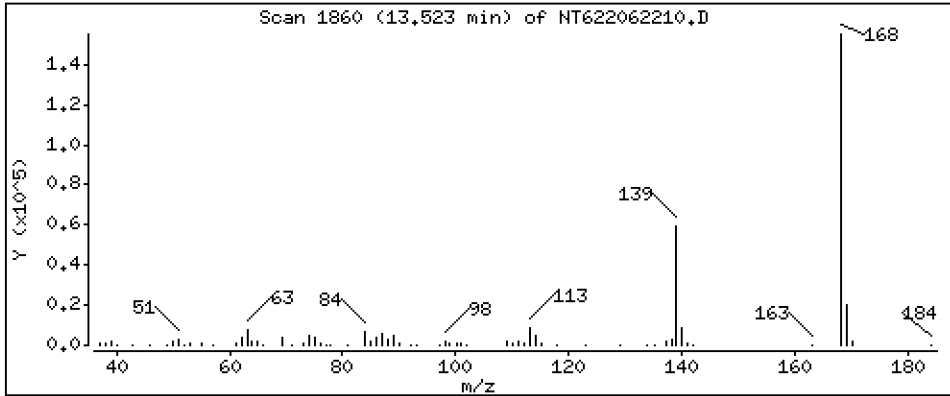
Operator: JZ

Column phase: ZB-5msi

Column diameter: 0.32

46 Dibenzofuran

Concentration: 19.32 ug/mL



Date : 22-JUN-2022 16:12

Client ID:

Instrument: nt6.i

Sample Info: BKF0450-BS1.

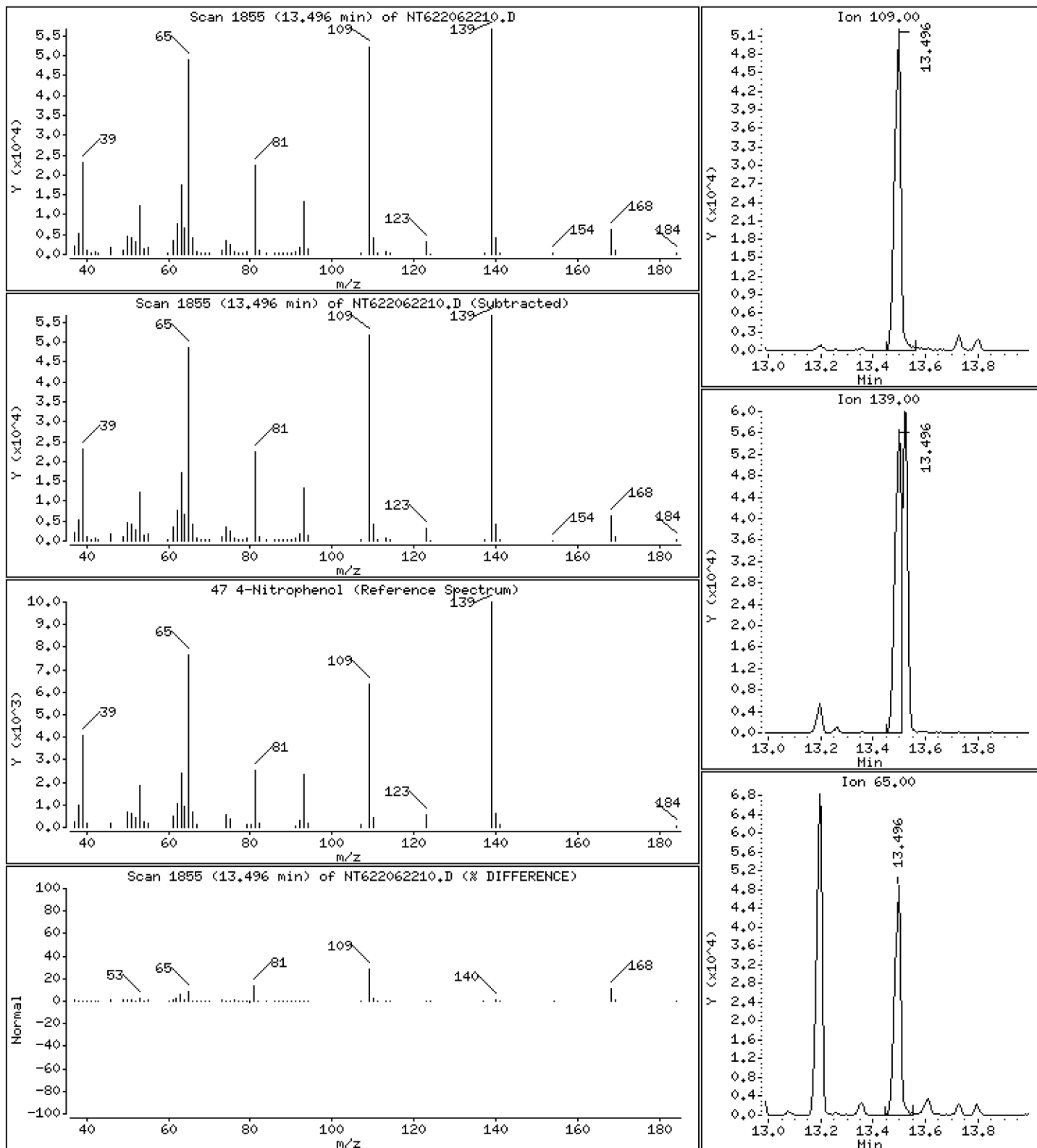
Operator: JZ

Column phase: ZB-5msi

Column diameter: 0.32

47 4-Nitrophenol

Concentration: 52.85 ug/mL



Date : 22-JUN-2022 16:12

Client ID:

Instrument: nt6.i

Sample Info: BKF0450-BS1.

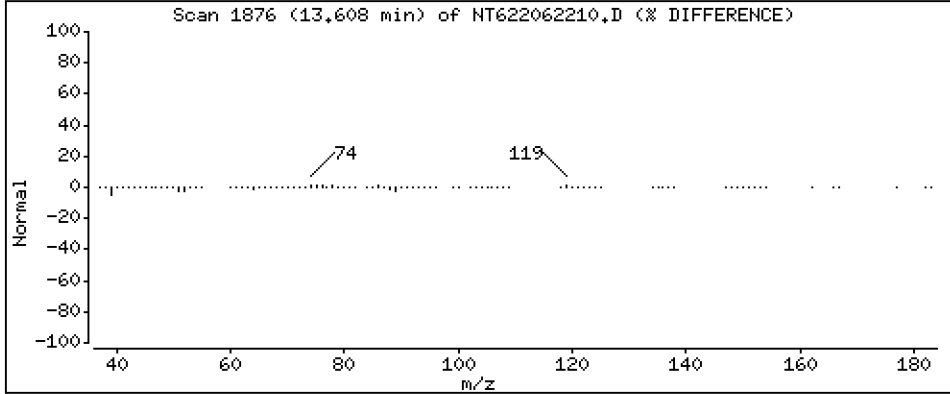
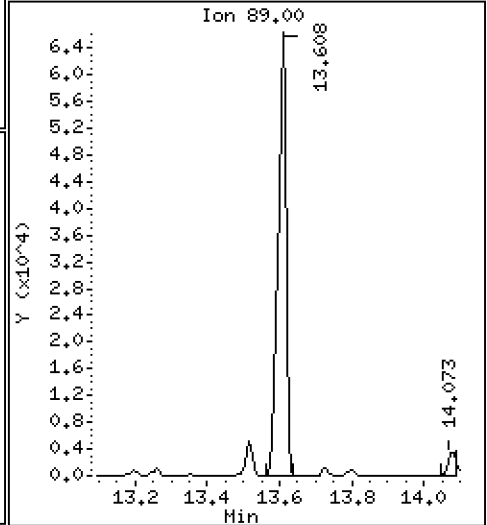
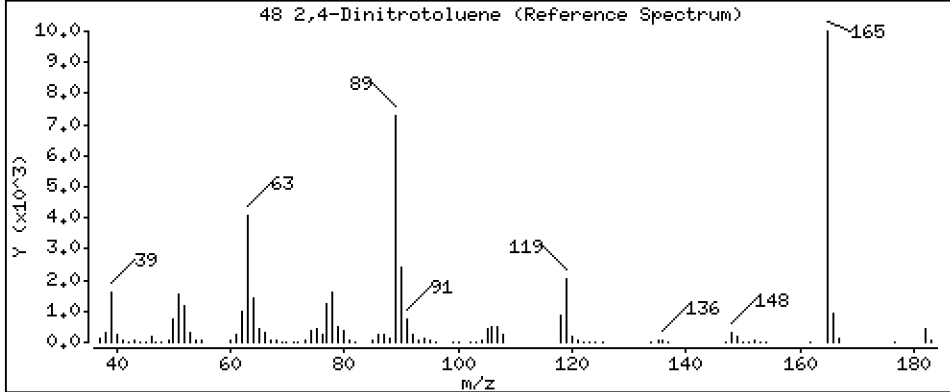
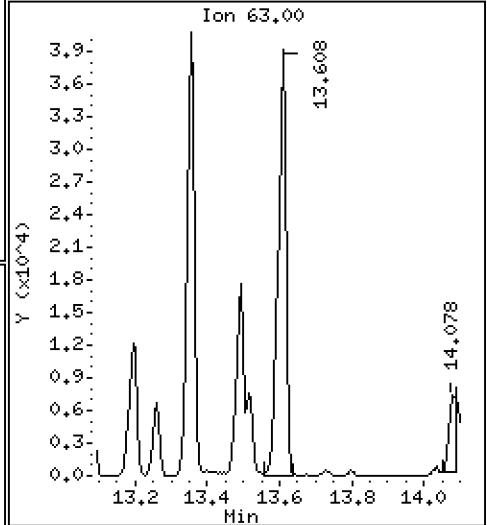
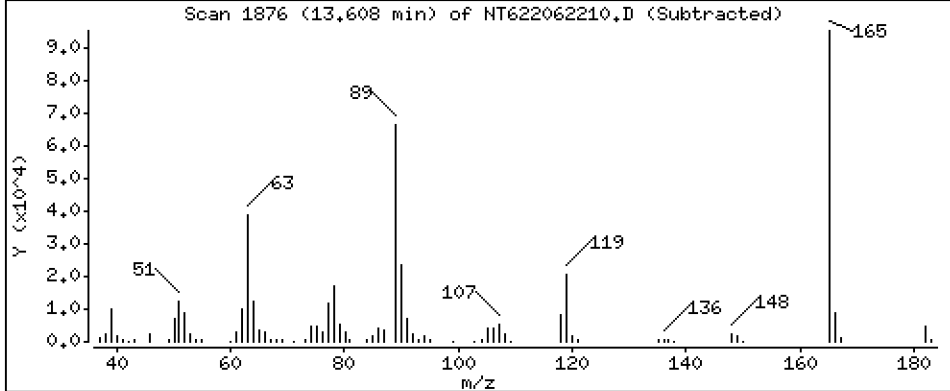
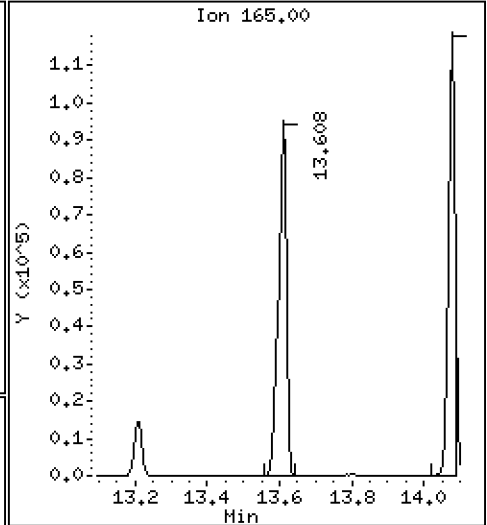
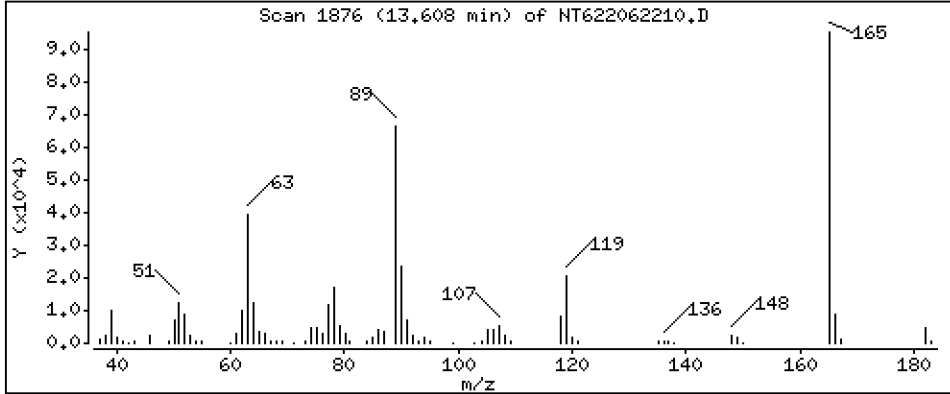
Operator: JZ

Column phase: ZB-5msi

Column diameter: 0.32

48 2,4-Dinitrotoluene

Concentration: 52.10 ug/mL



Date : 22-JUN-2022 16:12

Client ID:

Instrument: nt6.i

Sample Info: BKF0450-BS1.

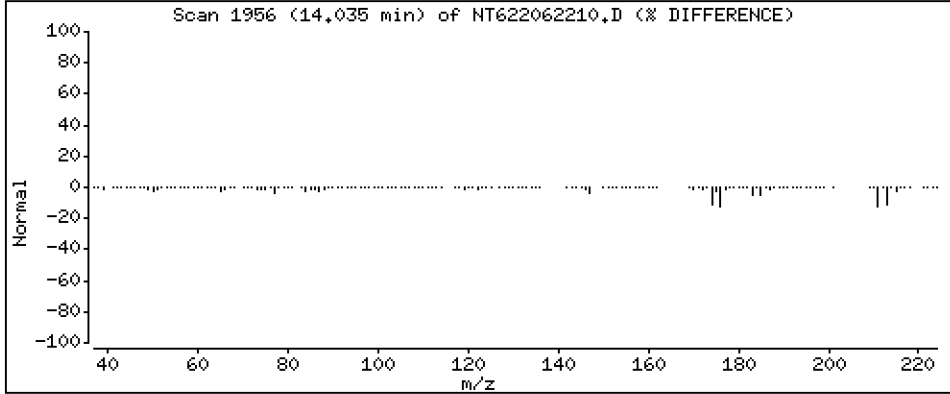
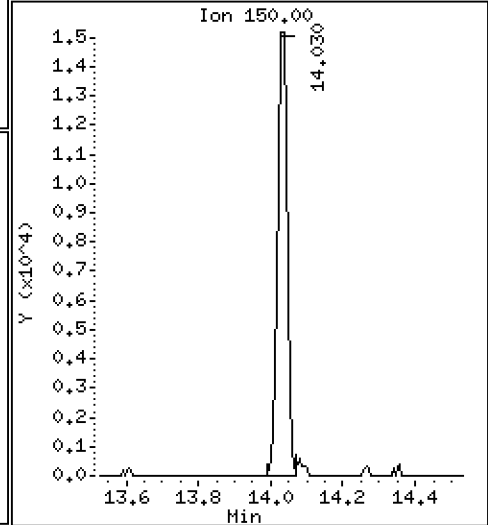
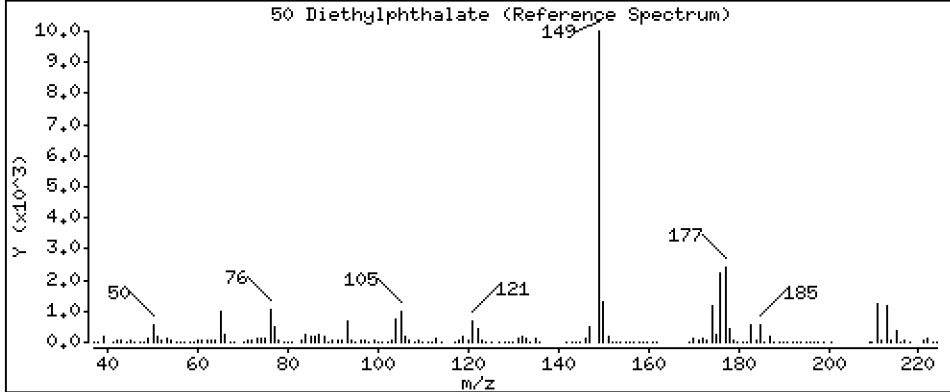
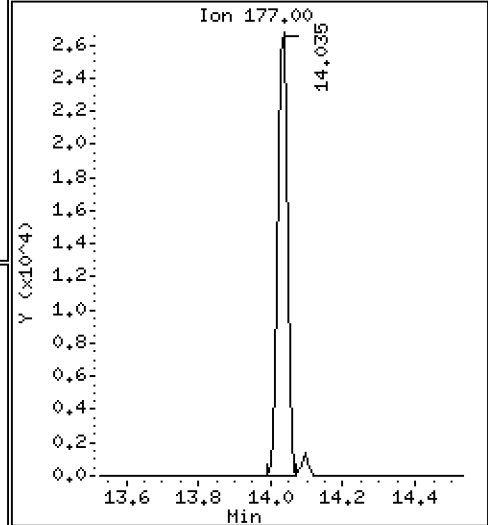
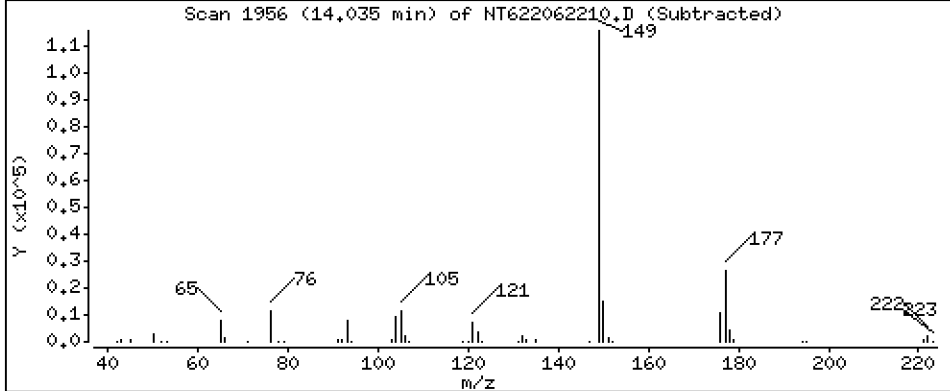
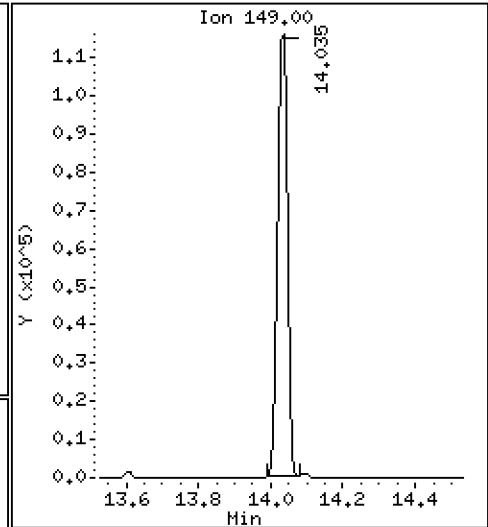
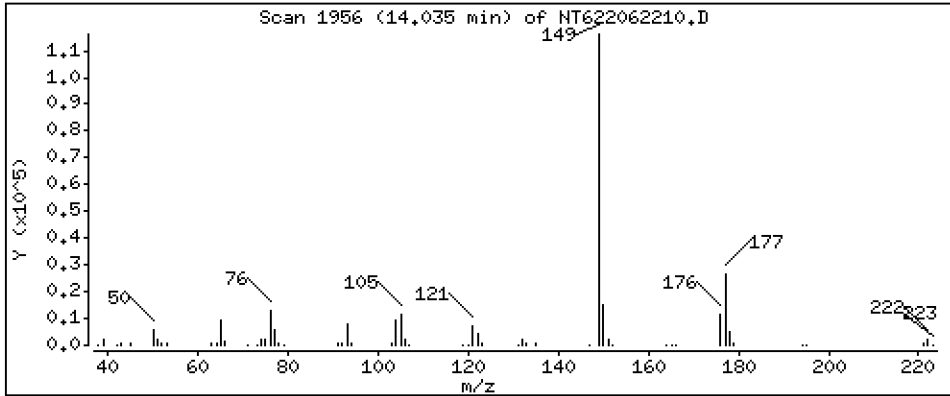
Operator: JZ

Column phase: ZB-5msi

Column diameter: 0.32

50 Diethylphthalate

Concentration: 21.97 ug/mL



Date : 22-JUN-2022 16:12

Client ID:

Instrument: nt6.i

Sample Info: BKF0450-BS1.

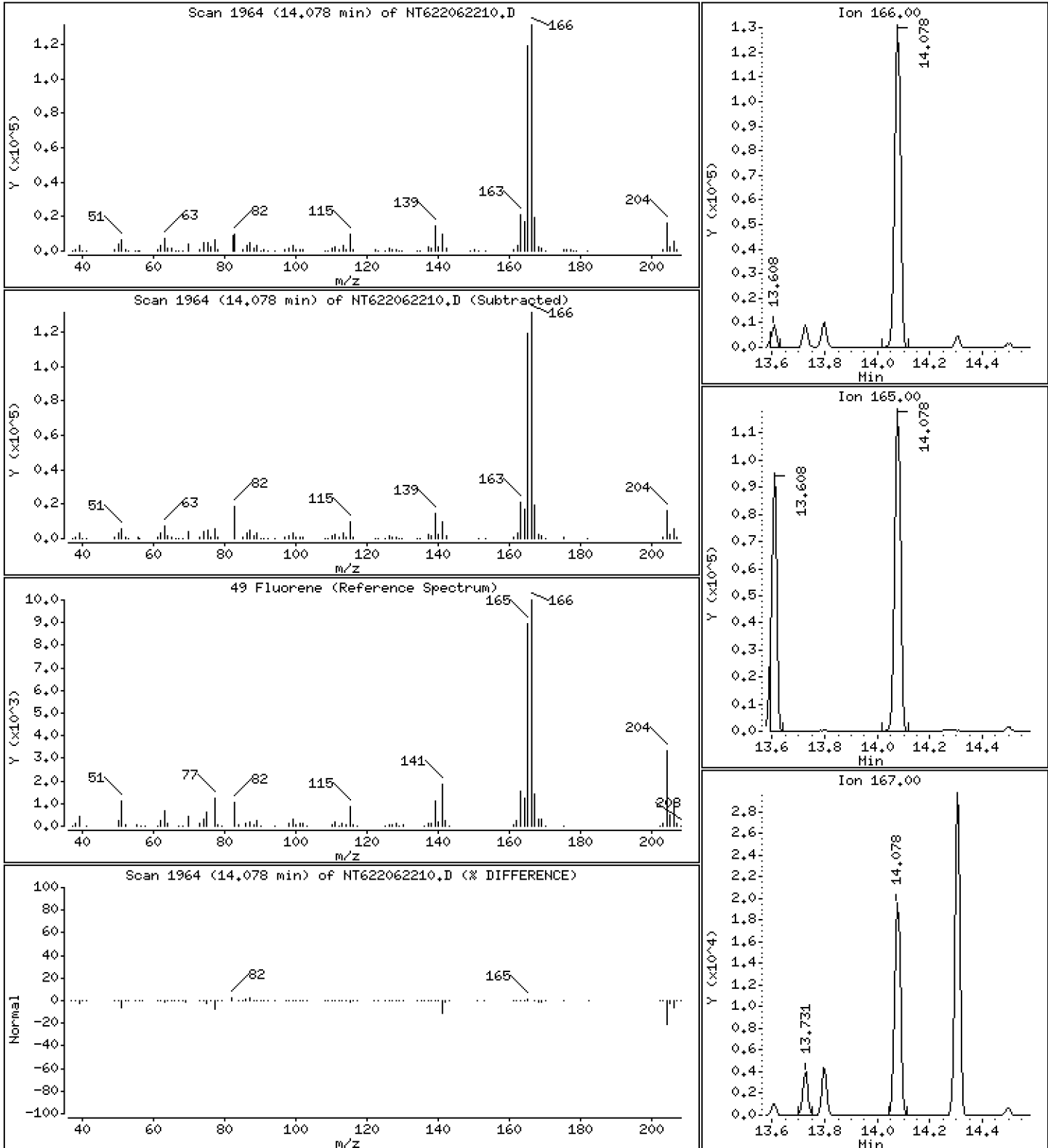
Operator: JZ

Column phase: ZB-5msi

Column diameter: 0.32

49 Fluorene

Concentration: 19.02 ug/mL



Date : 22-JUN-2022 16:12

Client ID:

Instrument: nt6.i

Sample Info: BKF0450-BS1.

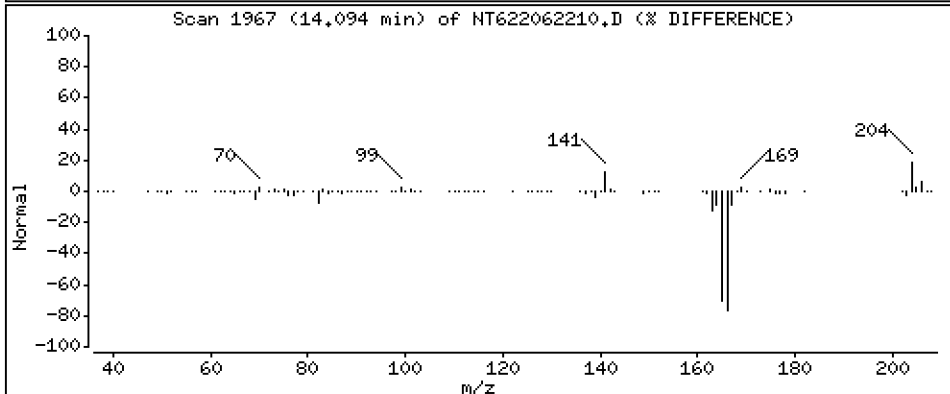
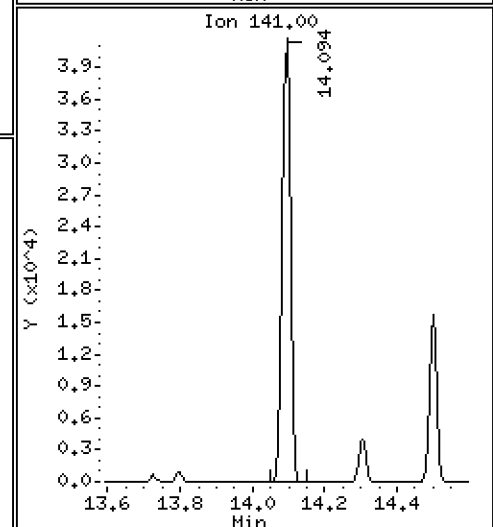
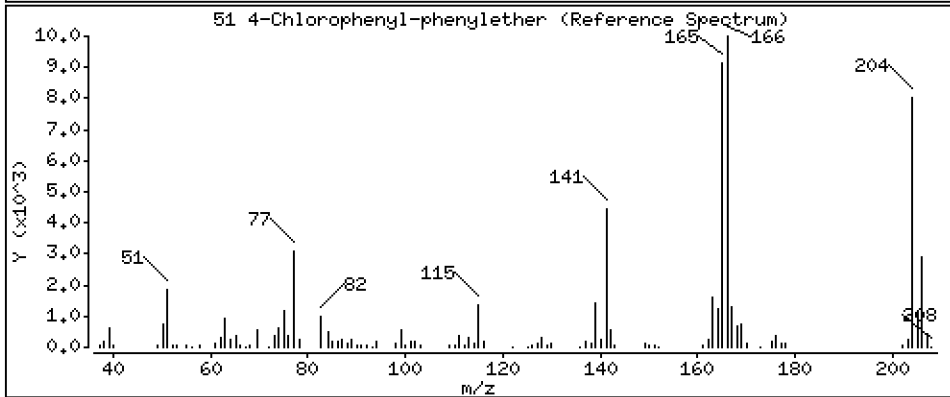
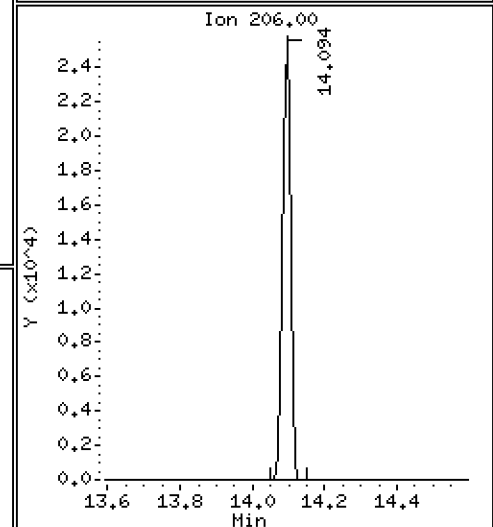
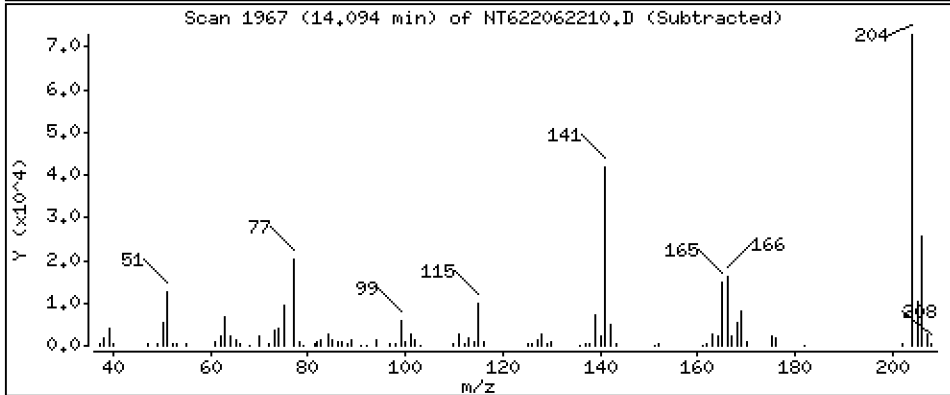
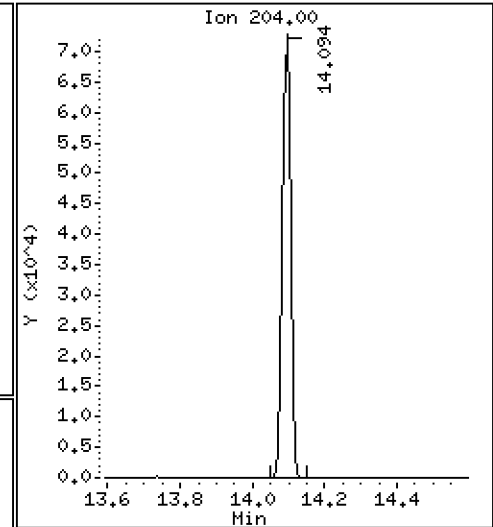
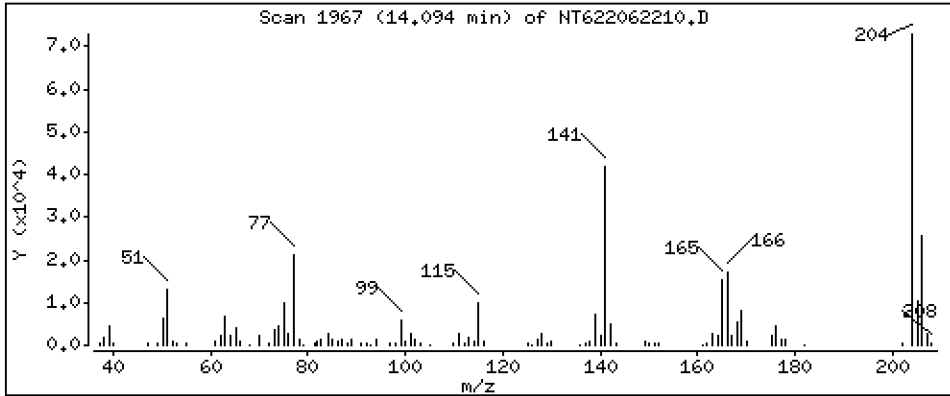
Operator: JZ

Column phase: ZB-5msi

Column diameter: 0,32

51 4-Chlorophenyl-phenylether

Concentration: 19,68 ug/mL



Date : 22-JUN-2022 16:12

Client ID:

Instrument: nt6.i

Sample Info: BKF0450-BS1.

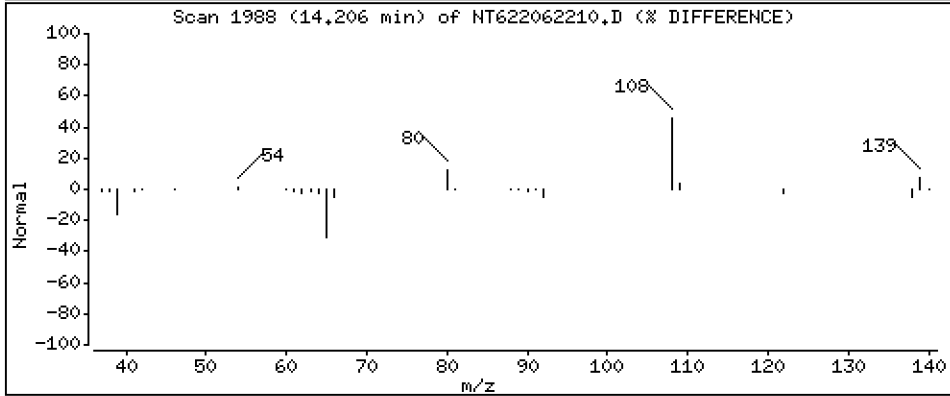
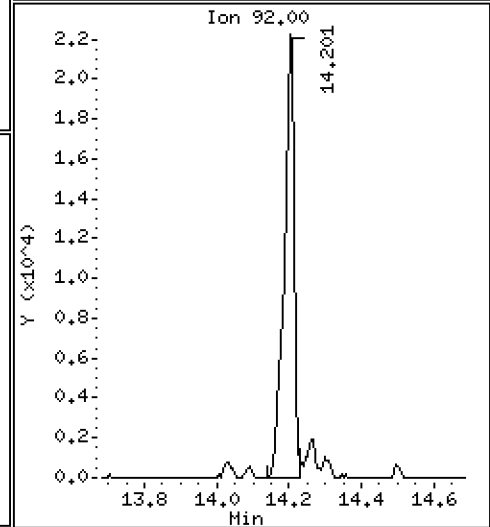
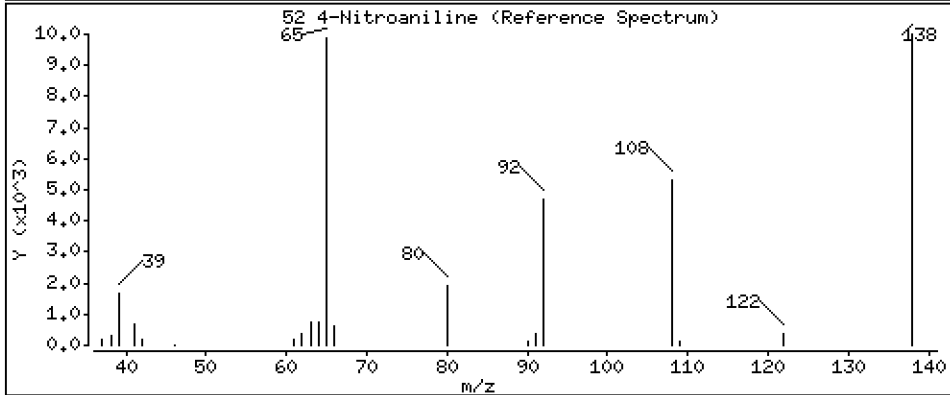
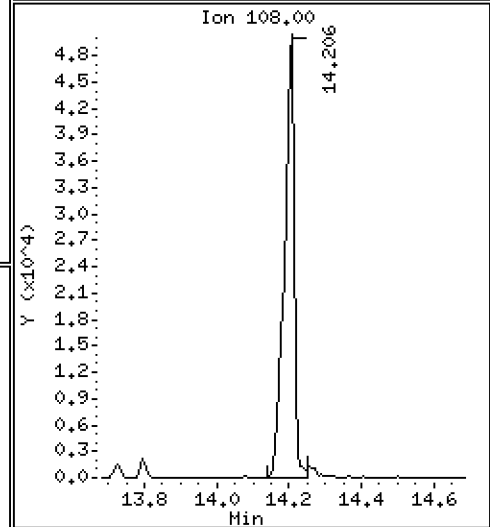
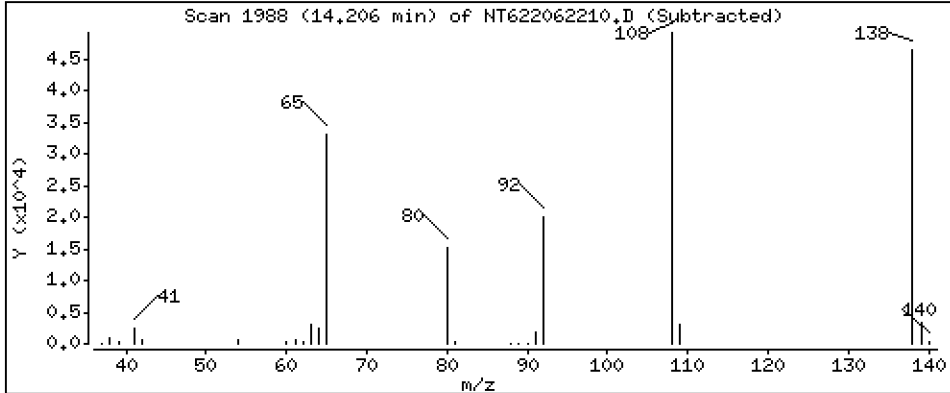
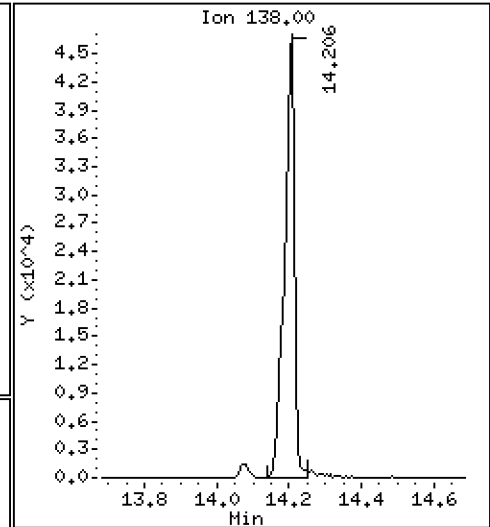
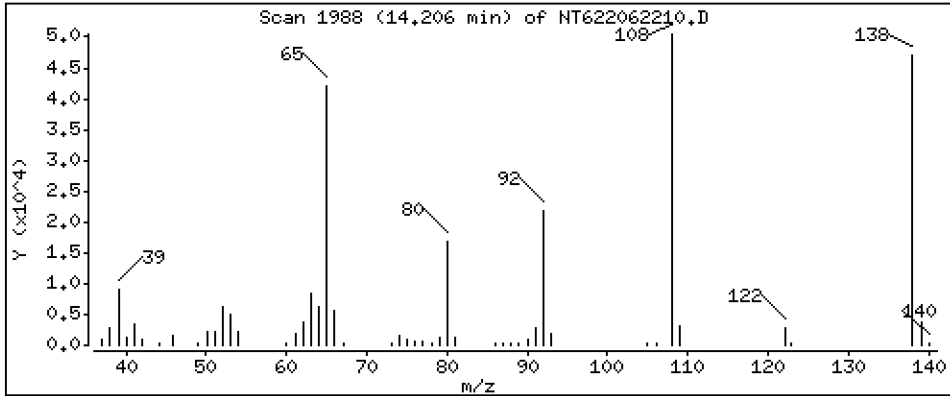
Operator: JZ

Column phase: ZB-5msi

Column diameter: 0.32

52 4-Nitroaniline

Concentration: 47.52 ug/mL



Date : 22-JUN-2022 16:12

Client ID:

Instrument: nt6.i

Sample Info: BKF0450-BS1.

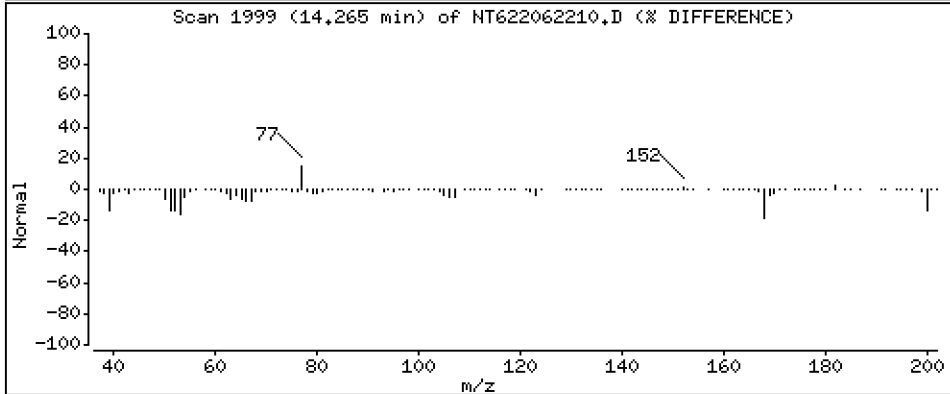
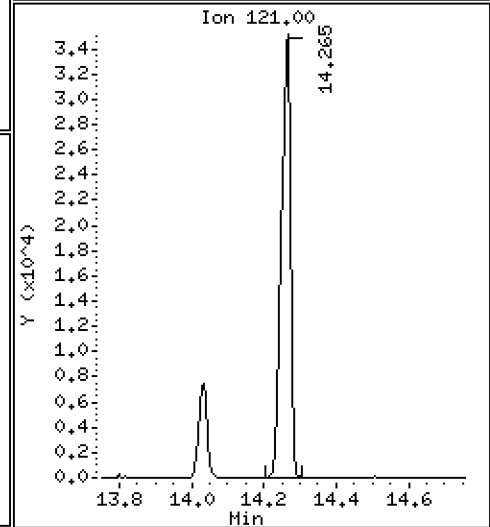
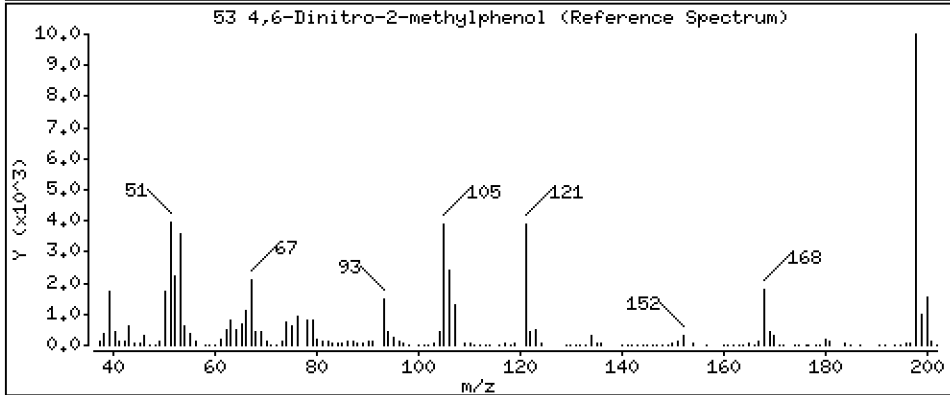
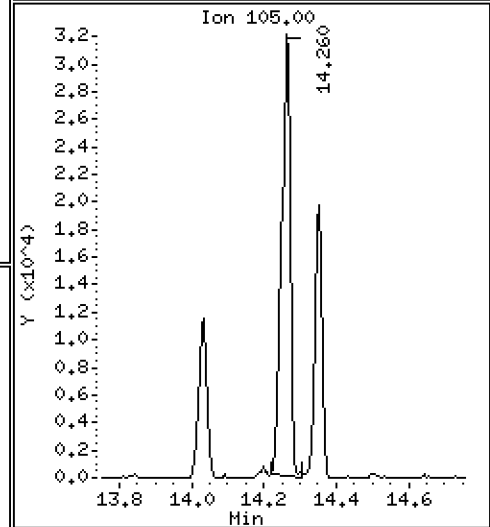
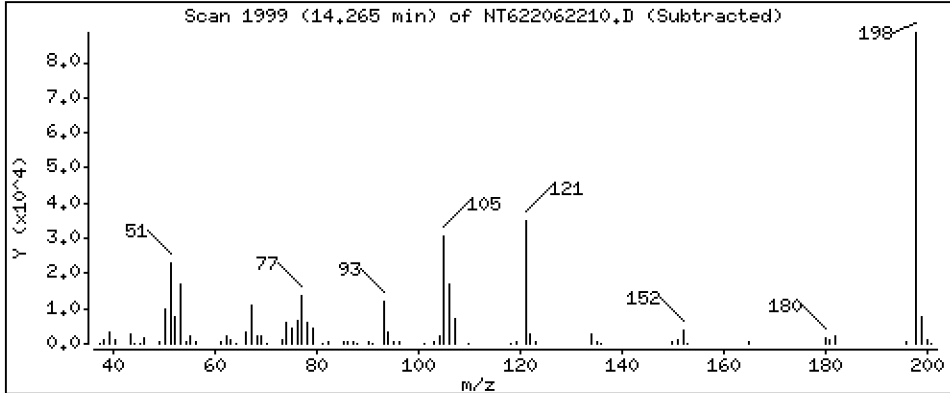
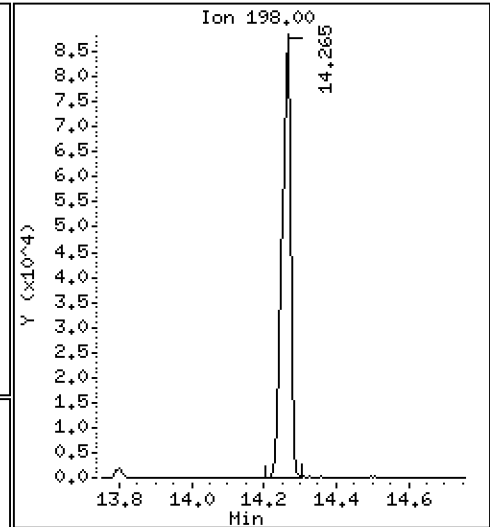
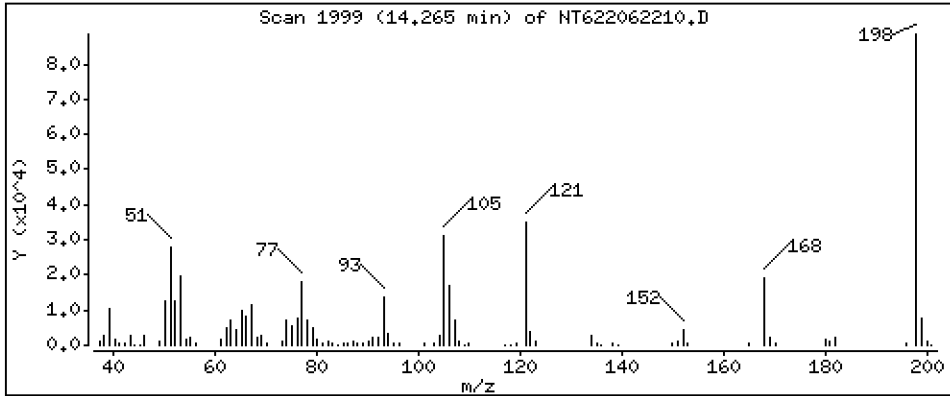
Operator: JZ

Column phase: ZB-5msi

Column diameter: 0.32

53 4,6-Dinitro-2-methylphenol

Concentration: 78.37 ug/mL



Date : 22-JUN-2022 16:12

Client ID:

Instrument: nt6.i

Sample Info: BKF0450-BS1.

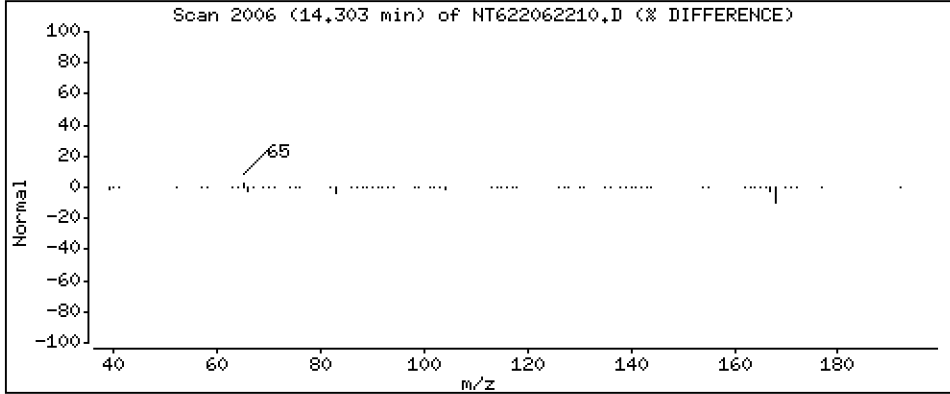
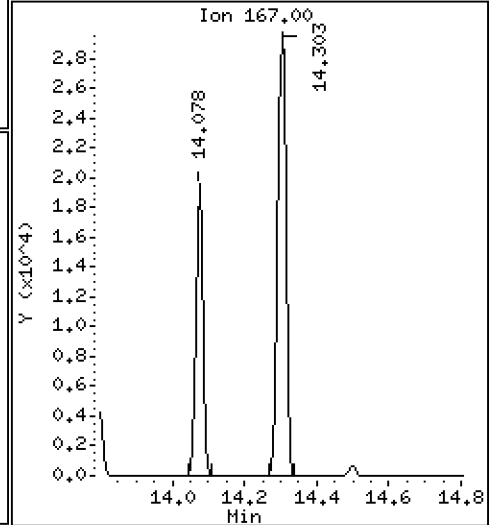
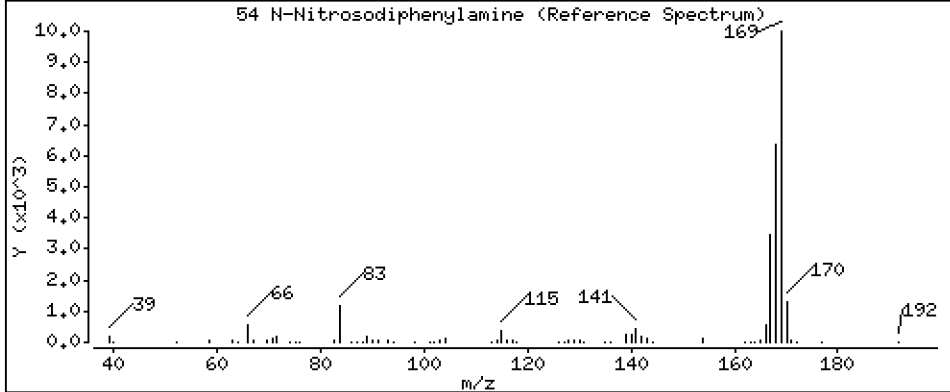
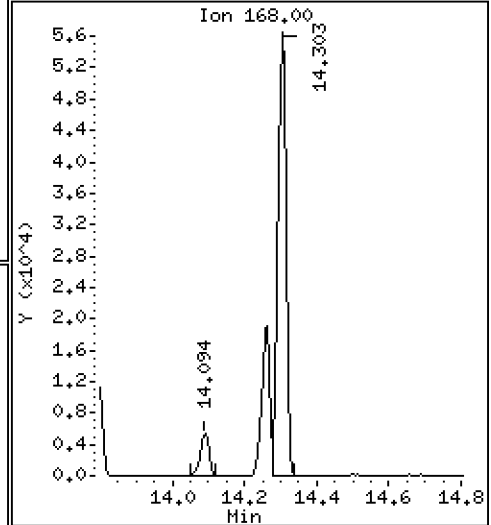
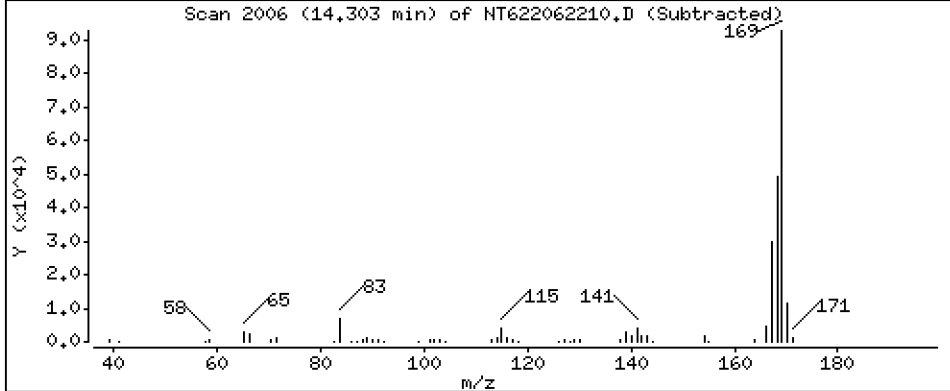
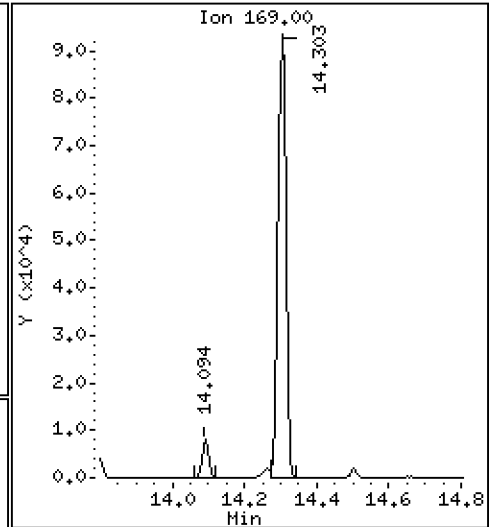
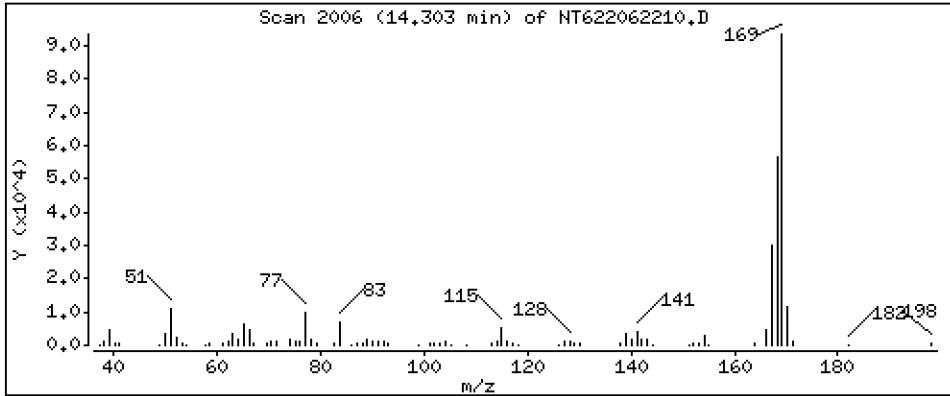
Operator: JZ

Column phase: ZB-5msi

Column diameter: 0.32

54 N-Nitrosodiphenylamine

Concentration: 18.20 ug/mL



Date : 22-JUN-2022 16:12

Client ID:

Instrument: nt6.i

Sample Info: BKF0450-BS1.

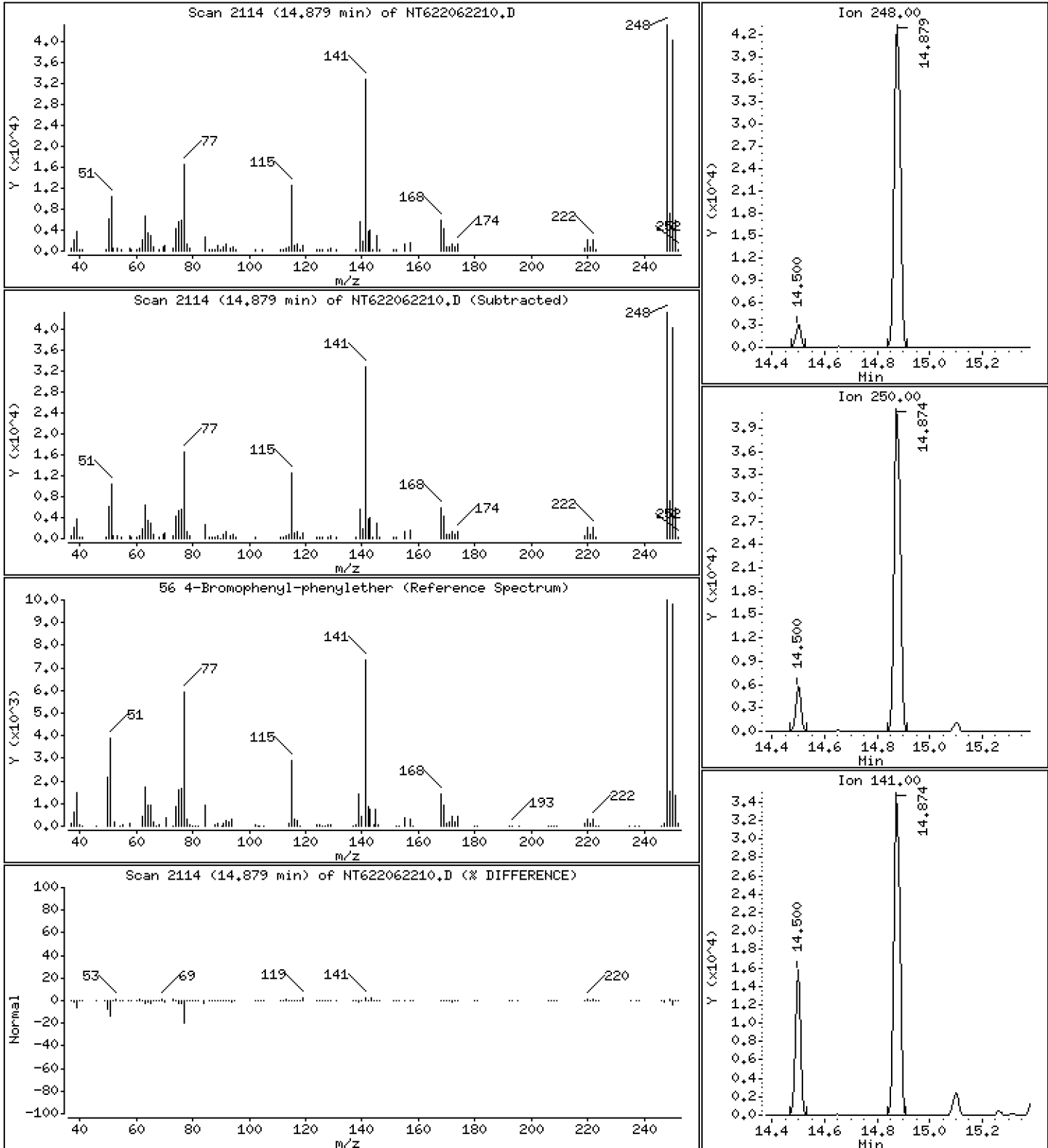
Operator: JZ

Column phase: ZB-5msi

Column diameter: 0.32

56 4-Bromophenyl-phenylether

Concentration: 20.75 ug/mL



Date : 22-JUN-2022 16:12

Client ID:

Instrument: nt6.i

Sample Info: BKF0450-BS1.

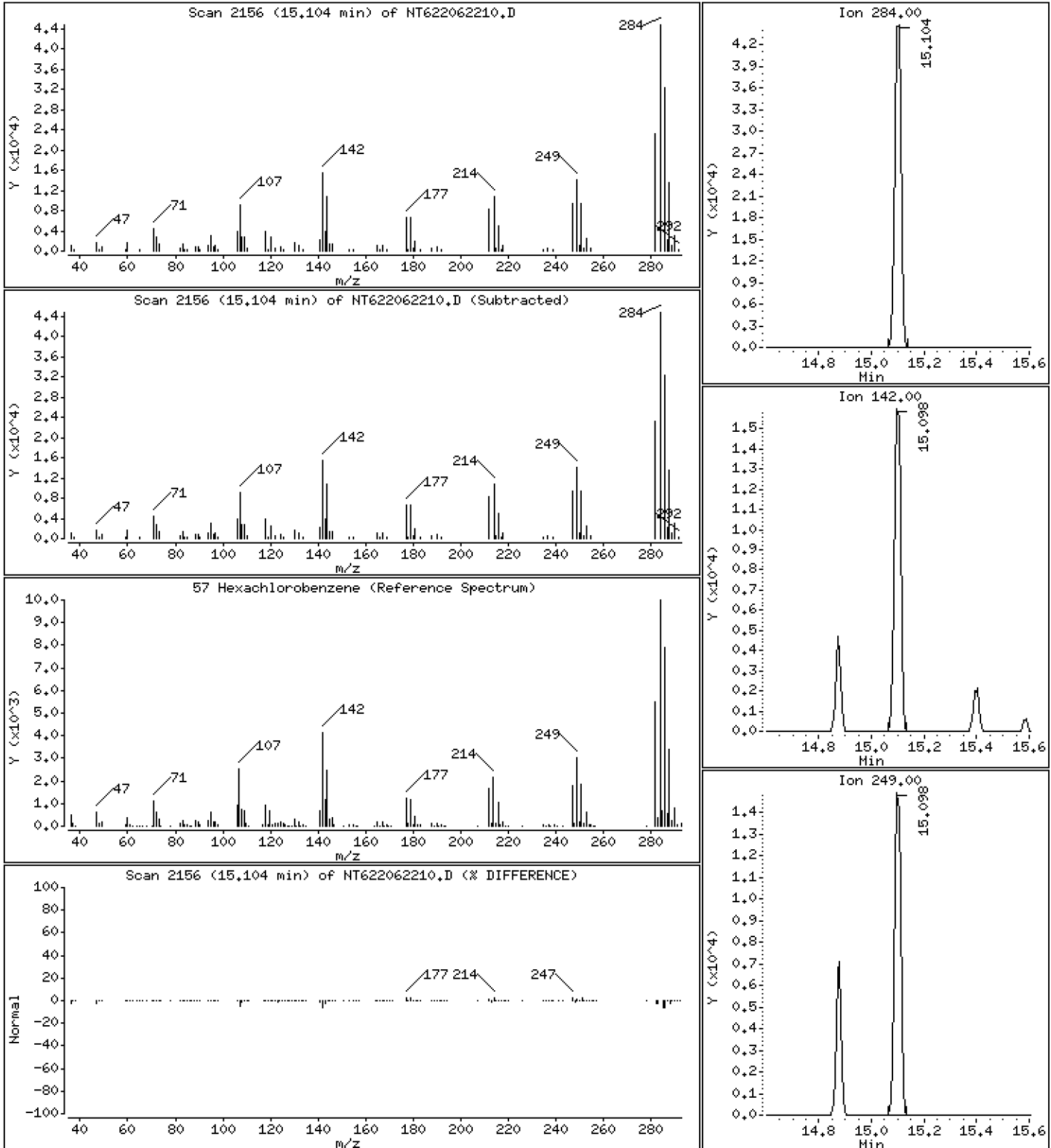
Operator: JZ

Column phase: ZB-5msi

Column diameter: 0.32

57 Hexachlorobenzene

Concentration: 20,11 ug/mL



Date : 22-JUN-2022 16:12

Client ID:

Instrument: nt6.i

Sample Info: BKF0450-BS1.

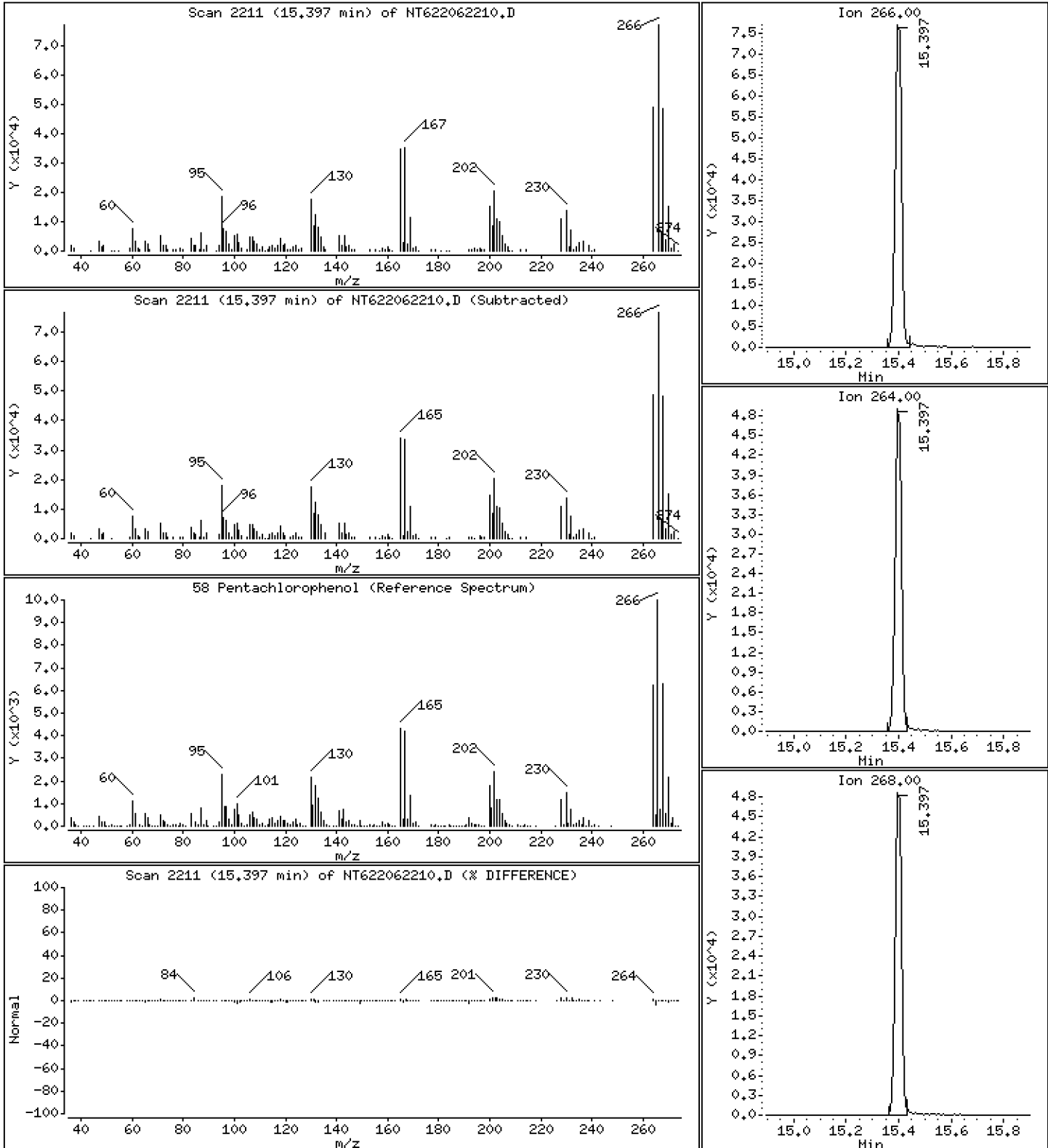
Operator: JZ

Column phase: ZB-5msi

Column diameter: 0.32

58 Pentachlorophenol

Concentration: 51.75 ug/mL



Date : 22-JUN-2022 16:12

Client ID:

Instrument: nt6.i

Sample Info: BKF0450-BS1.

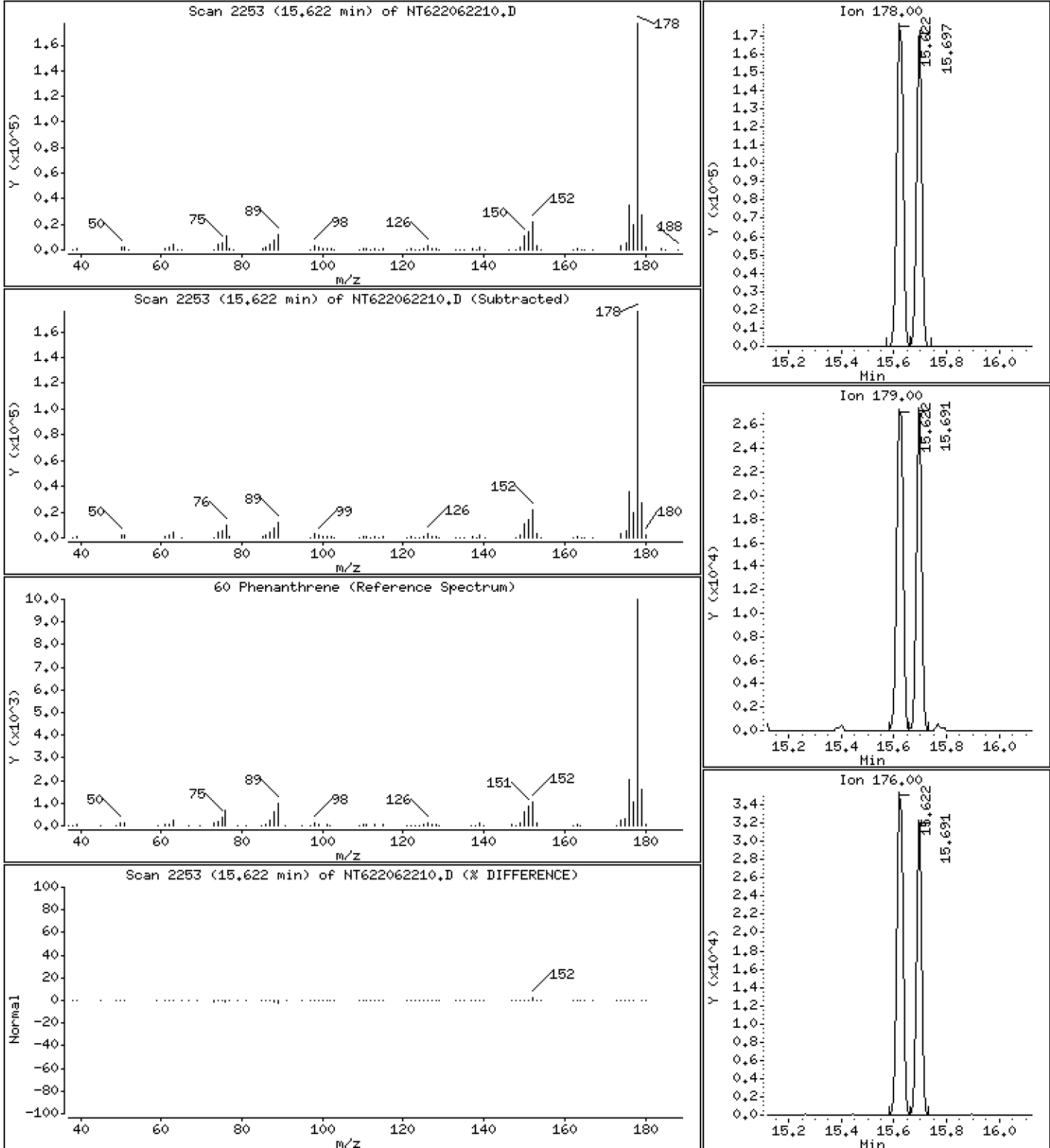
Operator: JZ

Column phase: ZB-5msi

Column diameter: 0.32

60 Phenanthrene

Concentration: 19.61 ug/mL



Date : 22-JUN-2022 16:12

Client ID:

Instrument: nt6.i

Sample Info: BKF0450-BS1.

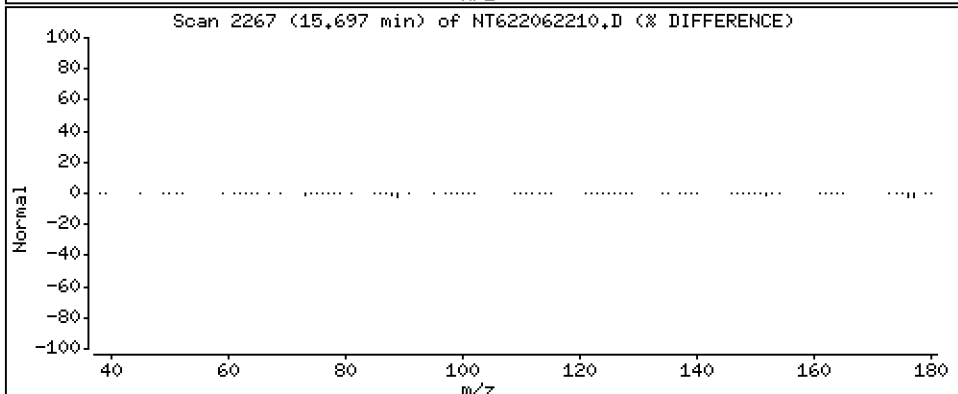
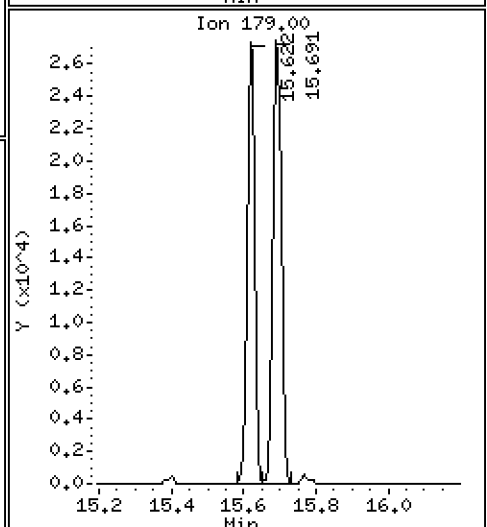
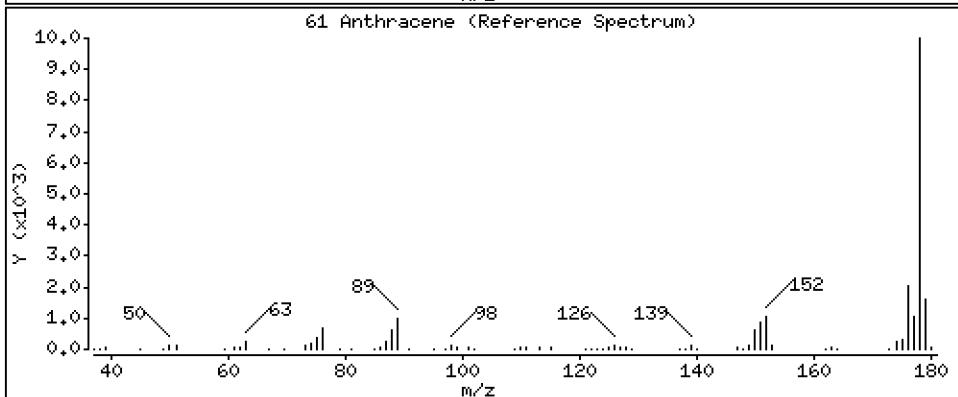
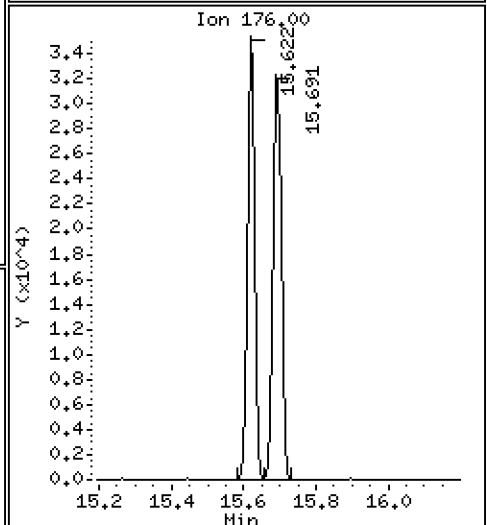
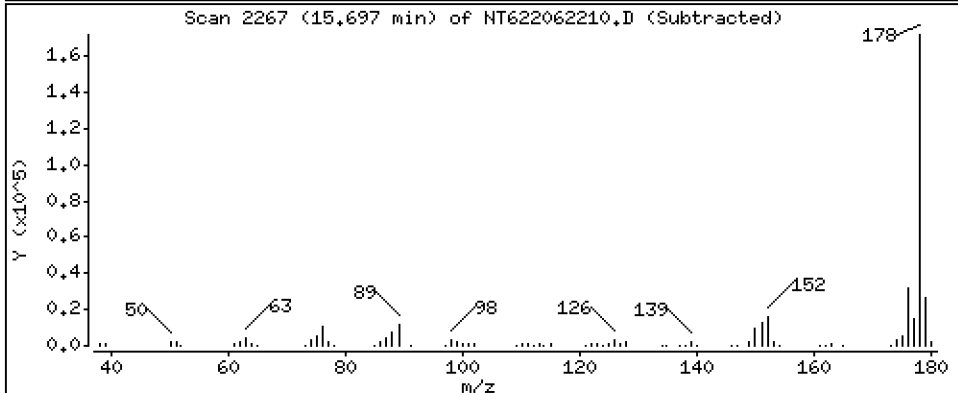
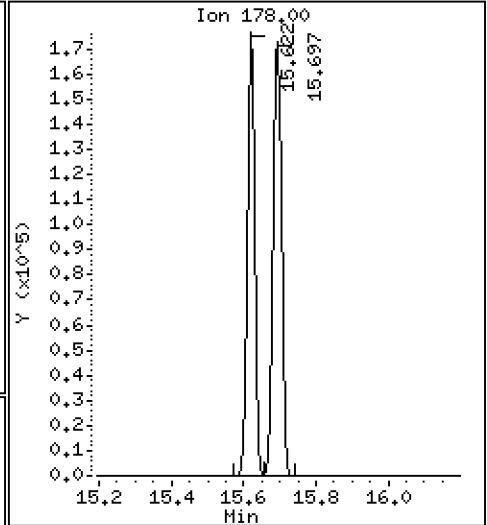
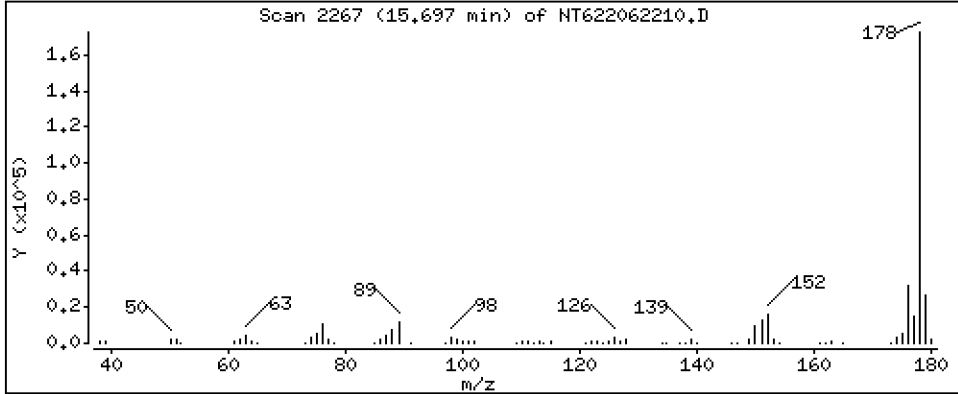
Operator: JZ

Column phase: ZB-5msi

Column diameter: 0.32

61 Anthracene

Concentration: 19.03 ug/mL



Date : 22-JUN-2022 16:12

Client ID:

Instrument: nt6.i

Sample Info: BKF0450-BS1.

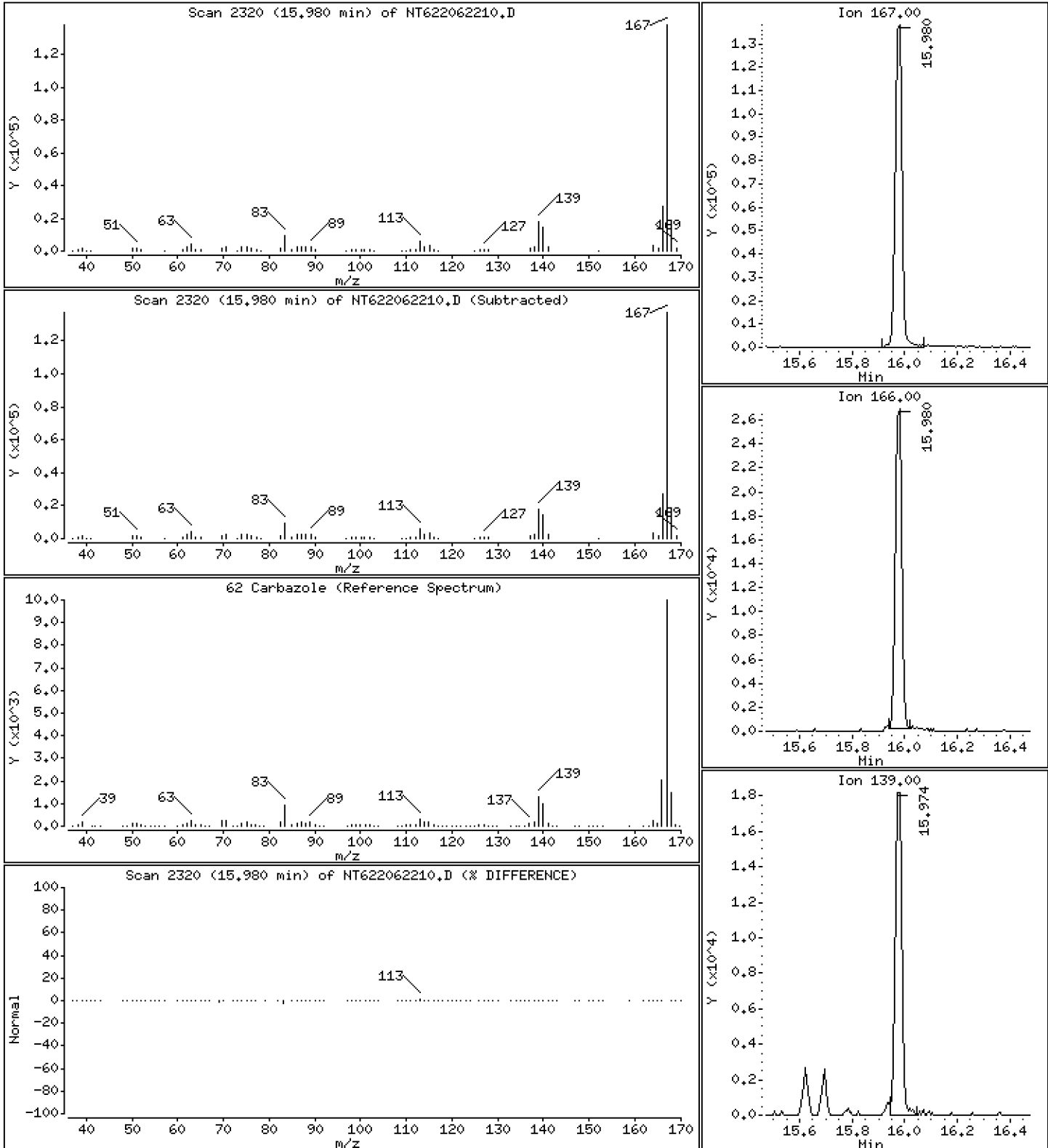
Operator: JZ

Column phase: ZB-5msi

Column diameter: 0.32

62 Carbazole

Concentration: 19.23 ug/mL



Date : 22-JUN-2022 16:12

Client ID:

Instrument: nt6.i

Sample Info: BKF0450-BS1.

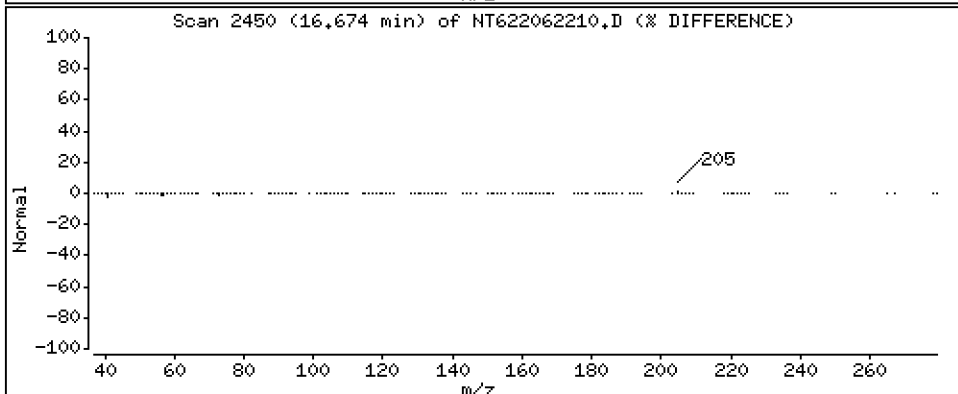
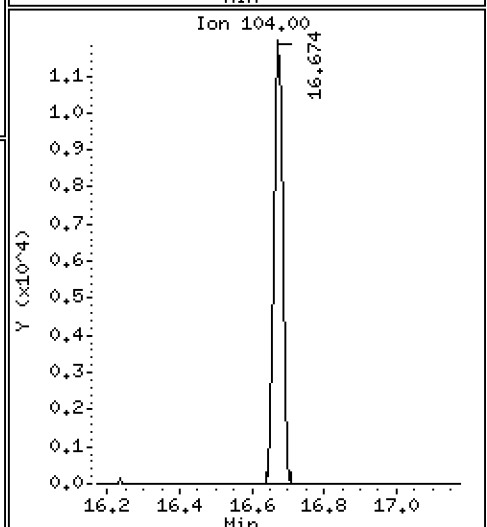
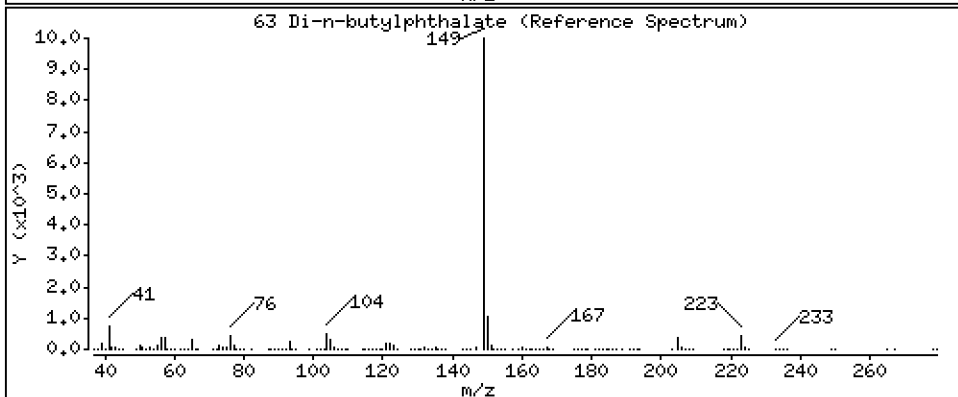
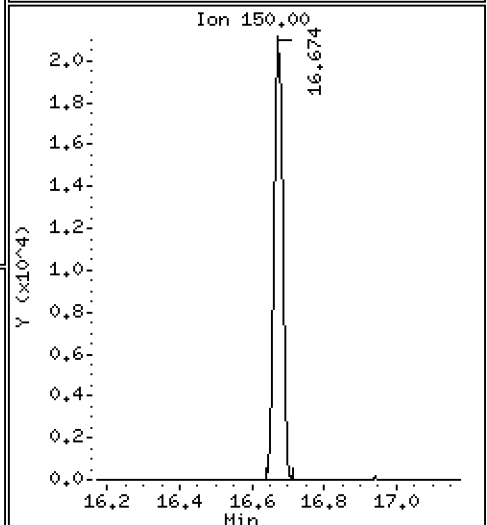
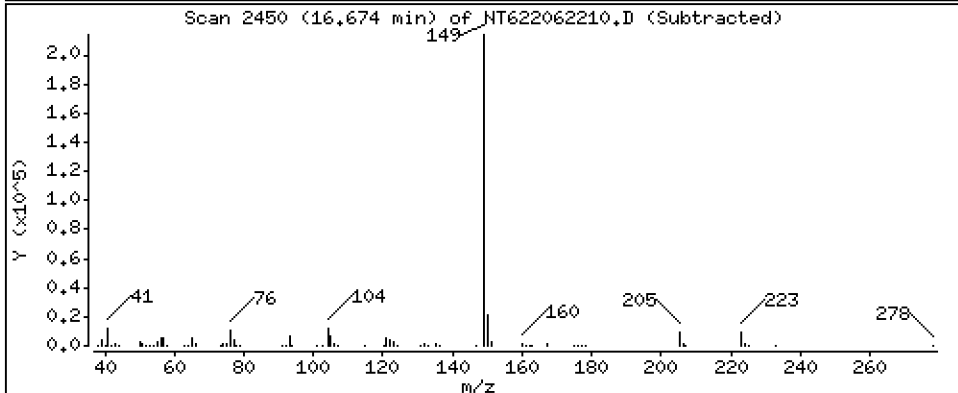
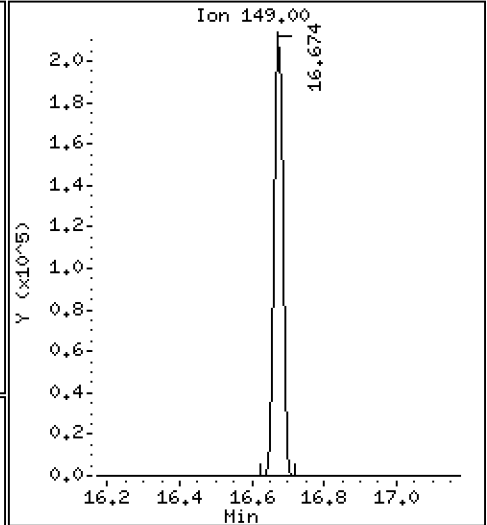
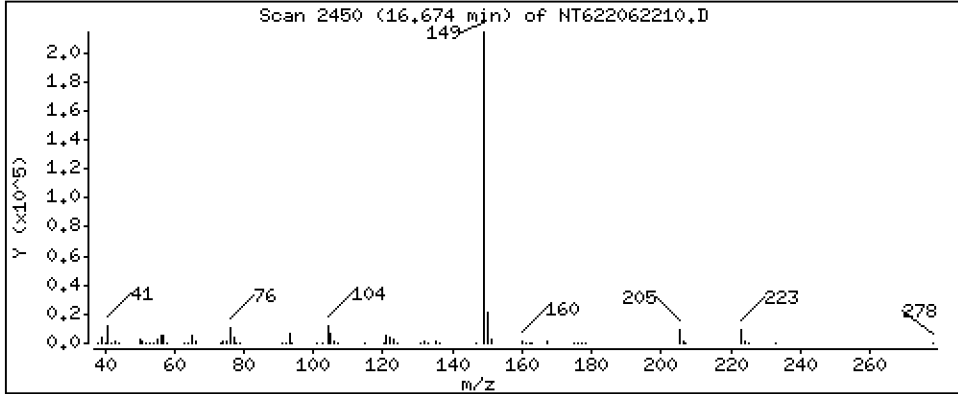
Operator: JZ

Column phase: ZB-5msi

Column diameter: 0.32

63 Di-n-butylphthalate

Concentration: 22,20 ug/mL



Date : 22-JUN-2022 16:12

Client ID:

Instrument: nt6.i

Sample Info: BKF0450-BS1.

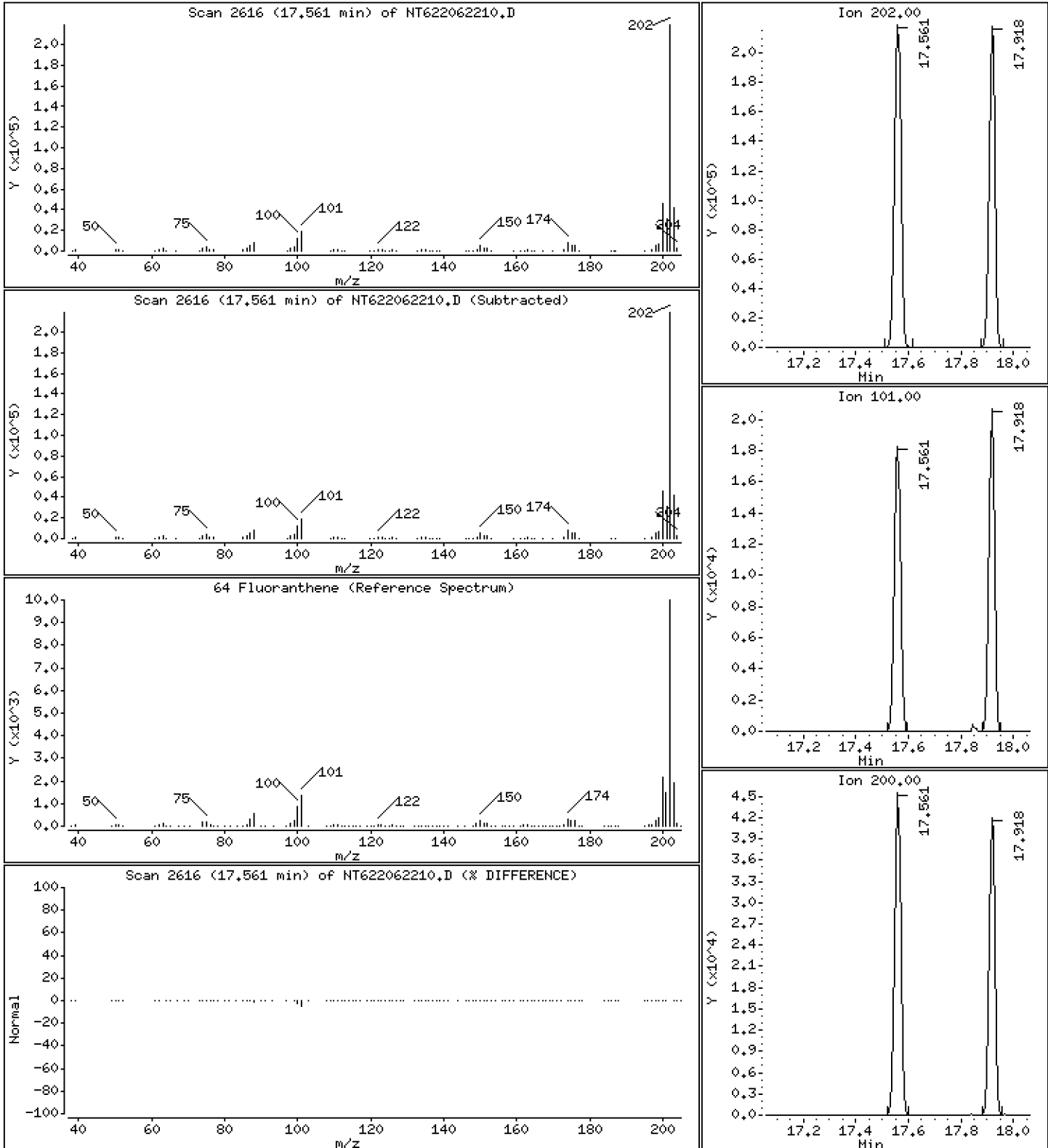
Operator: JZ

Column phase: ZB-5msi

Column diameter: 0.32

64 Fluoranthene

Concentration: 22.80 ug/mL



Date : 22-JUN-2022 16:12

Client ID:

Instrument: nt6.i

Sample Info: BKF0450-BS1.

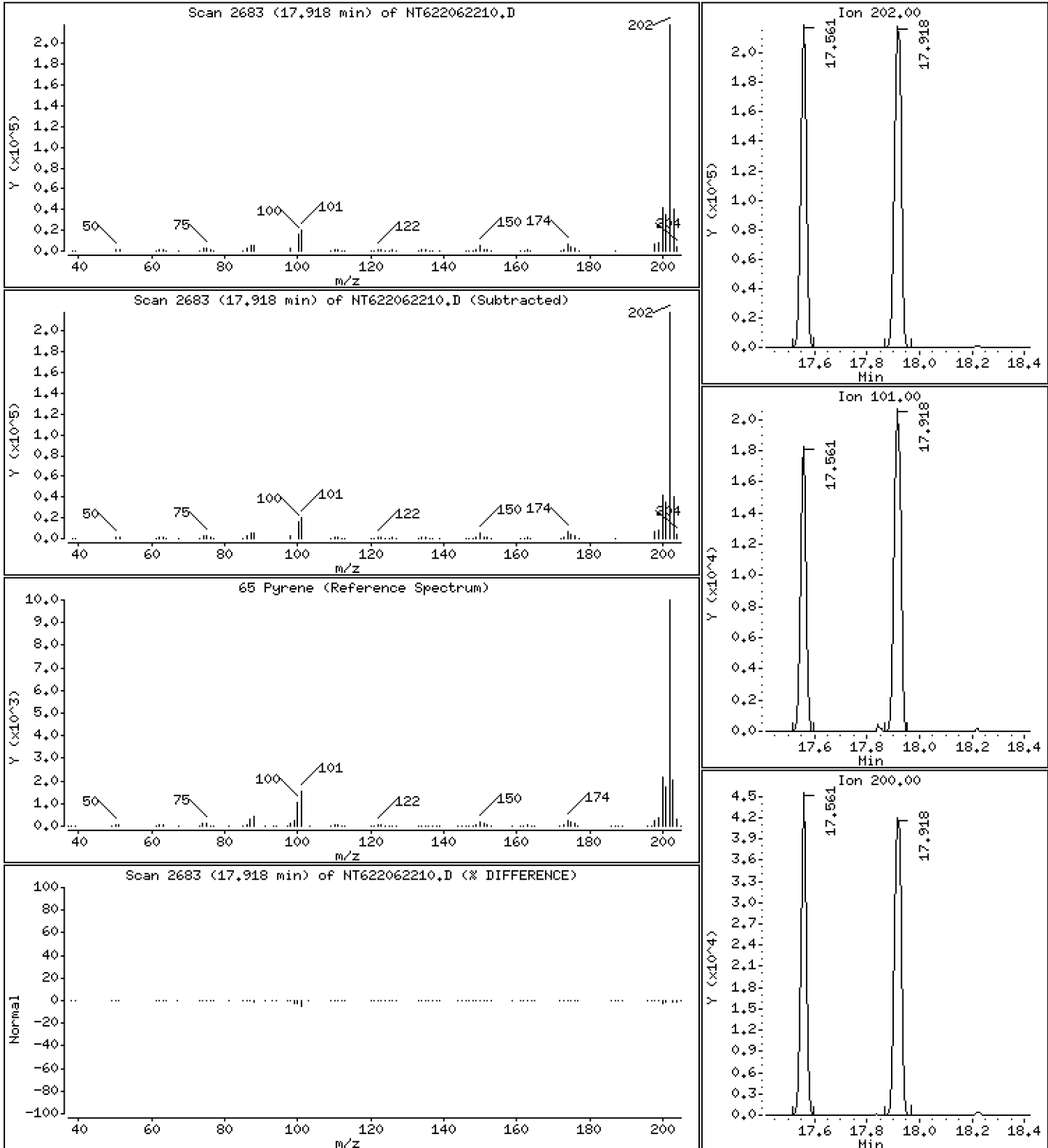
Operator: JZ

Column phase: ZB-5msi

Column diameter: 0.32

65 Pyrene

Concentration: 16.88 ug/mL



Date : 22-JUN-2022 16:12

Client ID:

Instrument: nt6.i

Sample Info: BKF0450-BS1.

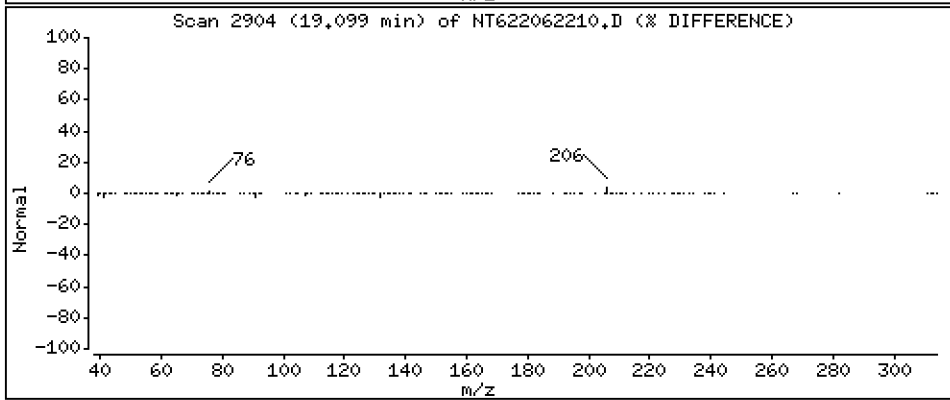
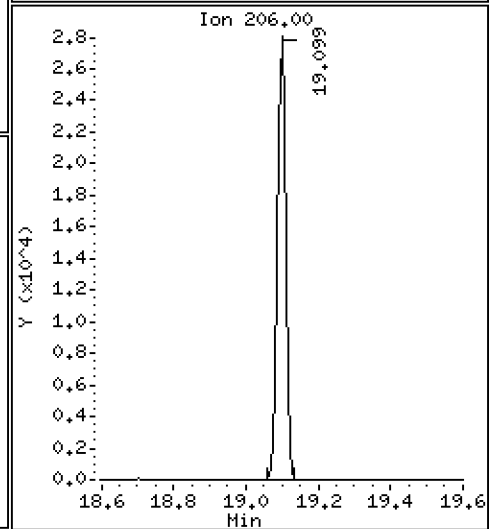
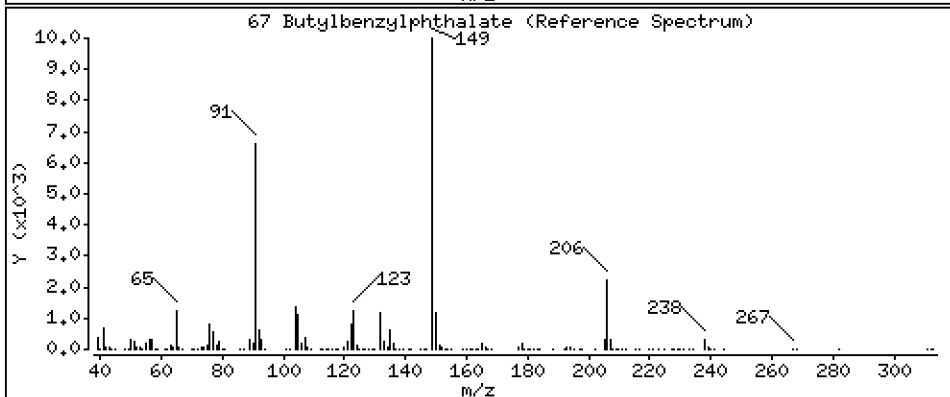
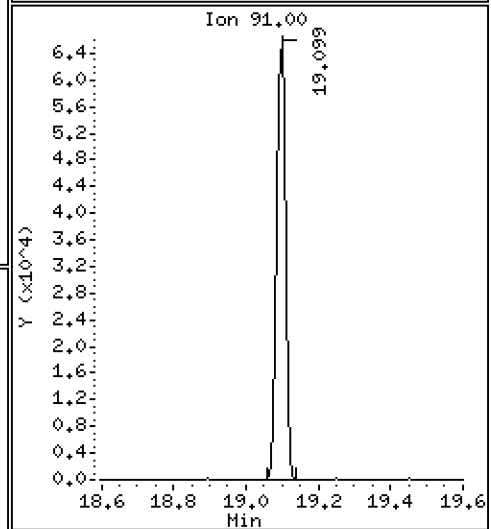
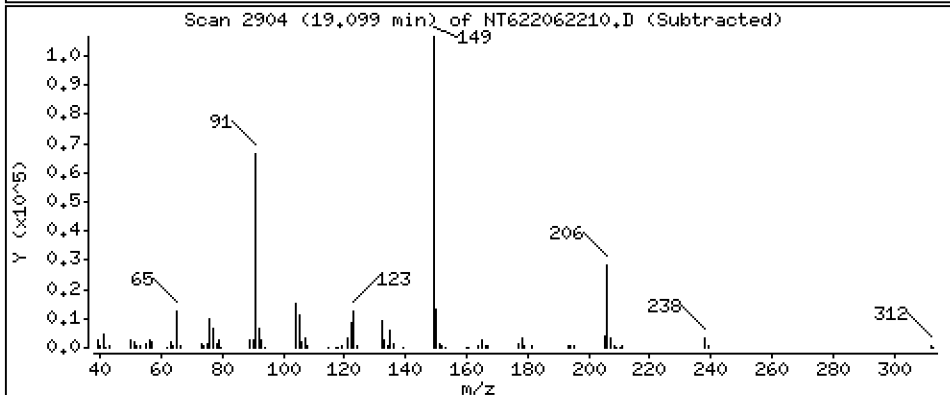
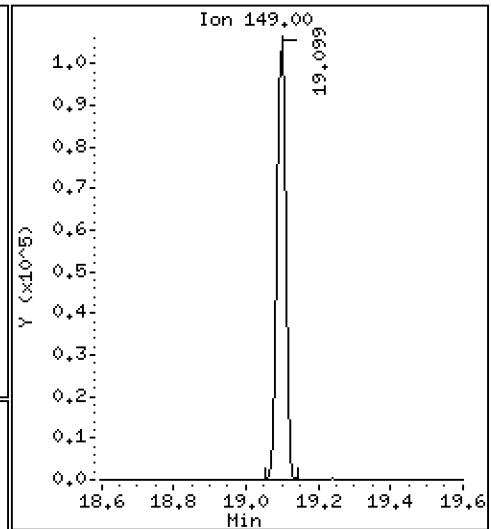
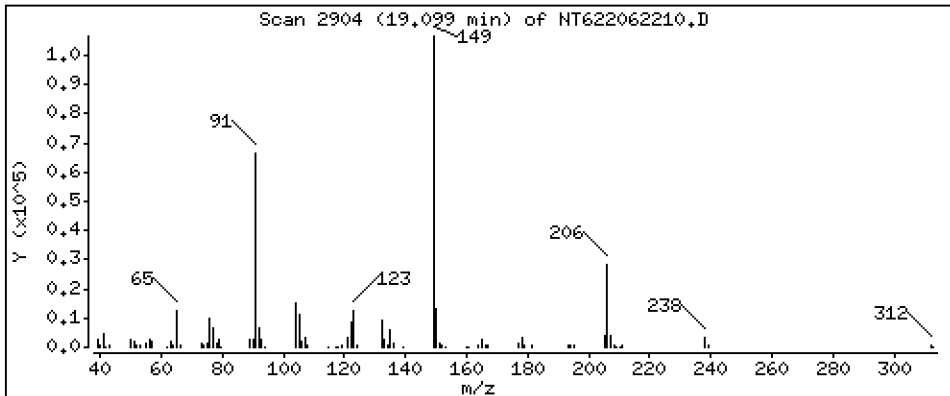
Operator: JZ

Column phase: ZB-5msi

Column diameter: 0,32

67 Butylbenzylphthalate

Concentration: 19,40 ug/mL



Date : 22-JUN-2022 16:12

Client ID:

Instrument: nt6.i

Sample Info: BKF0450-BS1.

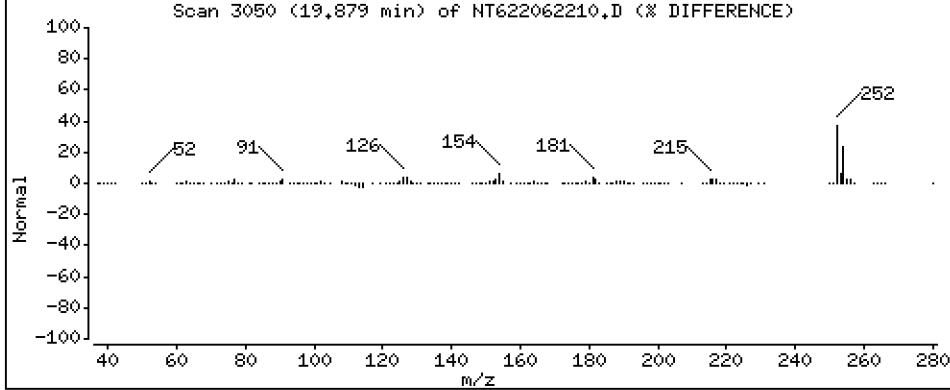
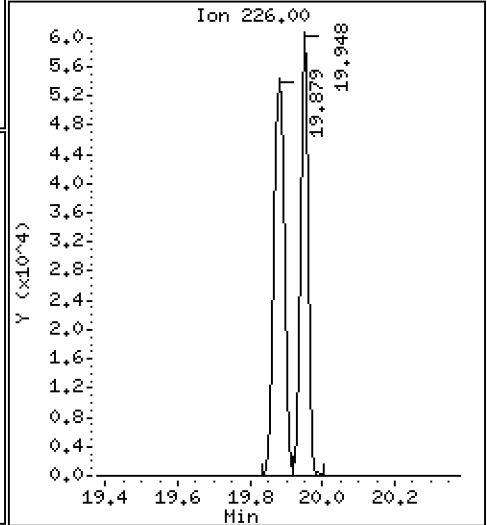
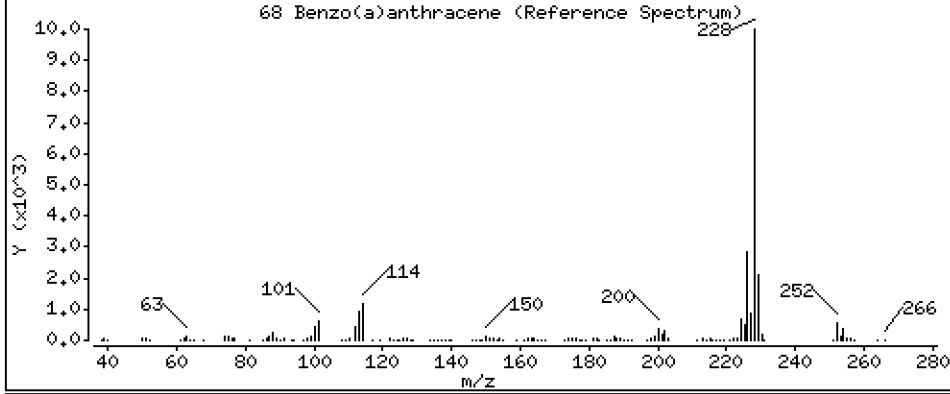
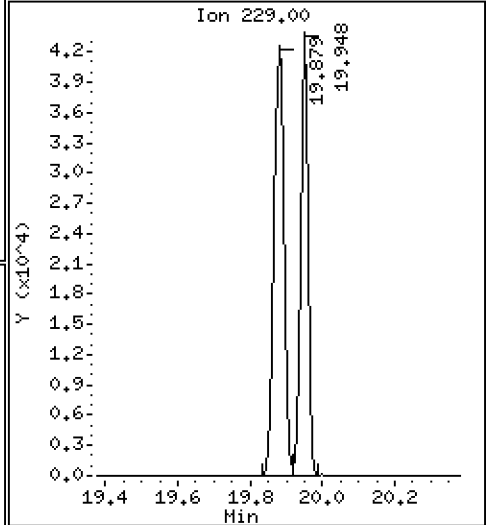
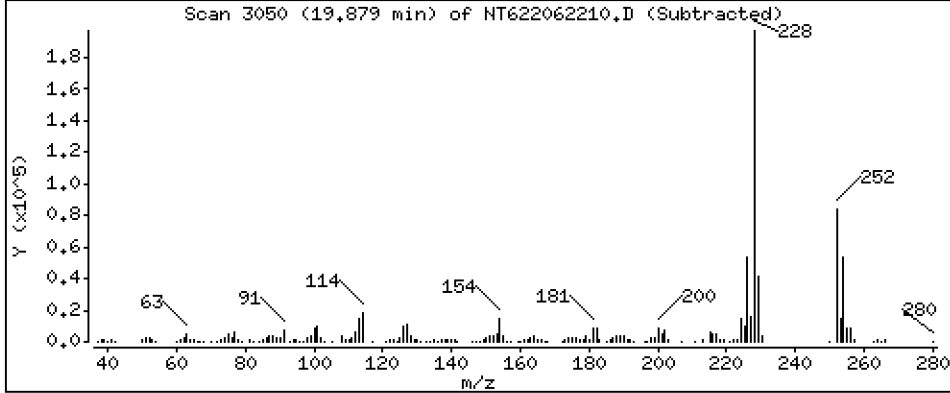
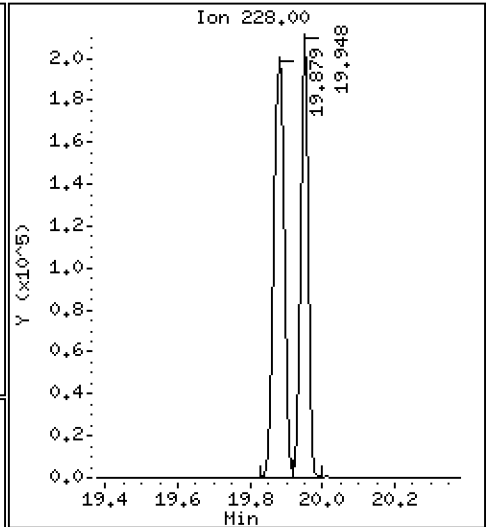
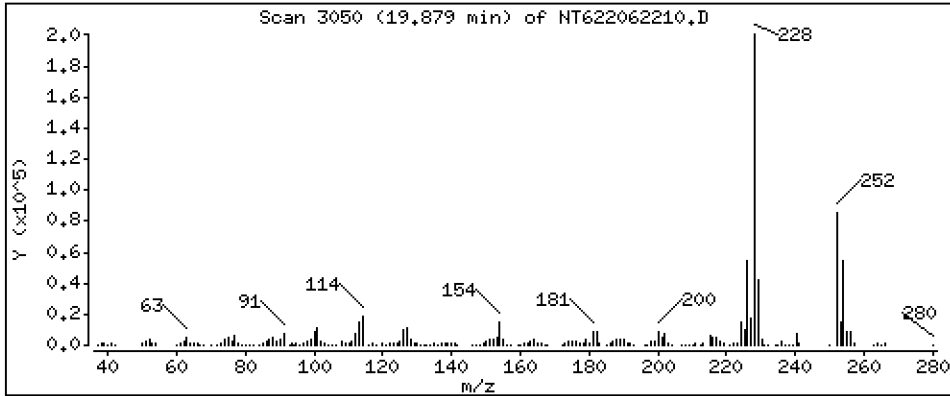
Operator: JZ

Column phase: ZB-5msi

Column diameter: 0,32

68 Benzo(a)anthracene

Concentration: 19,98 ug/mL



Date : 22-JUN-2022 16:12

Client ID:

Instrument: nt6.i

Sample Info: BKF0450-BS1.

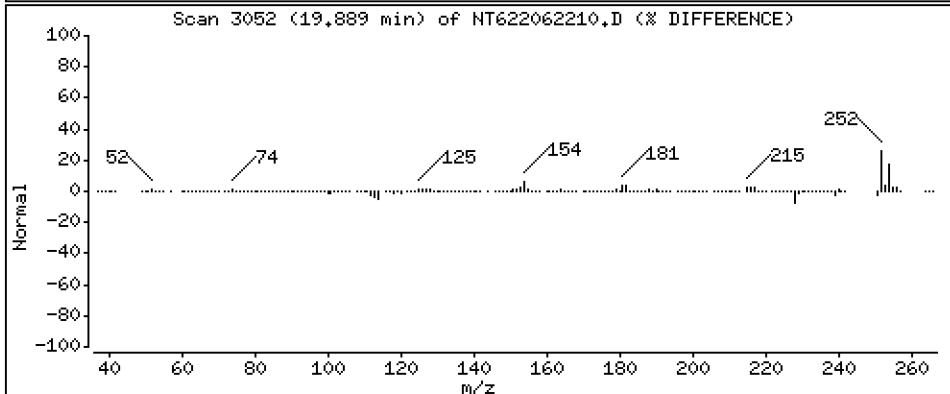
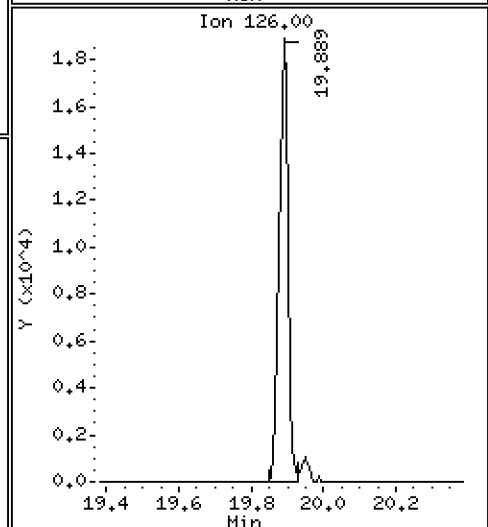
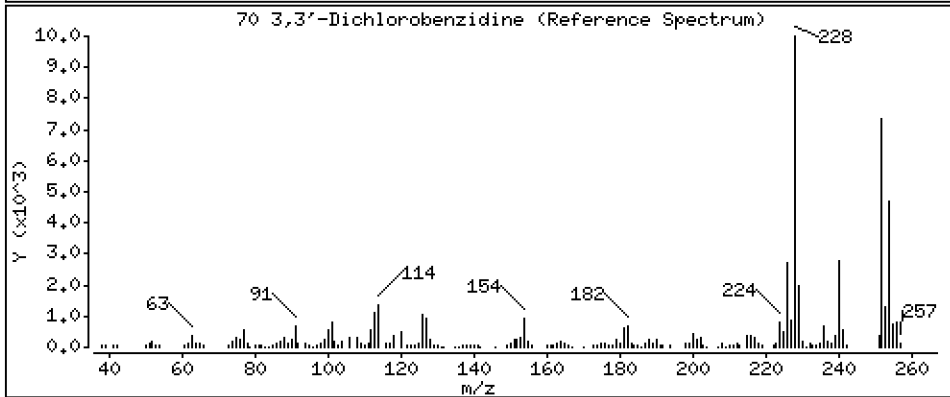
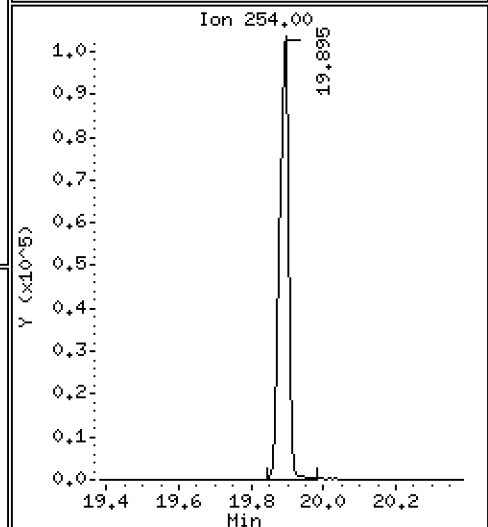
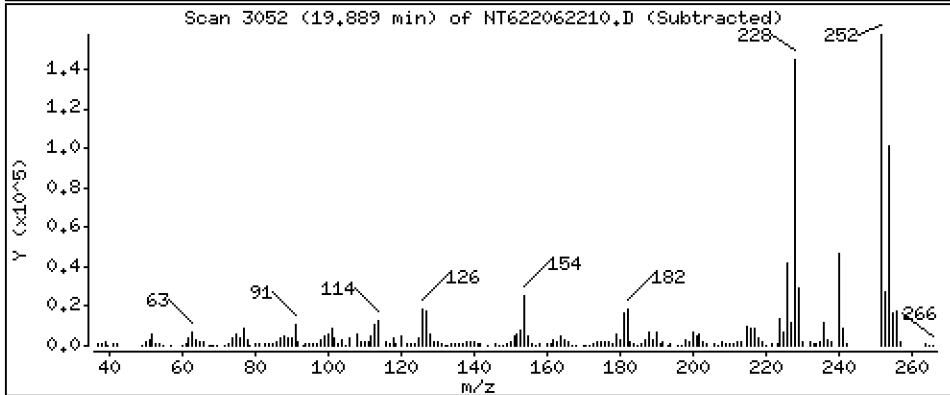
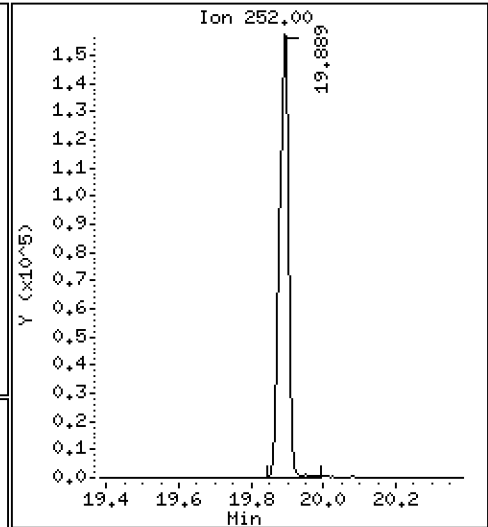
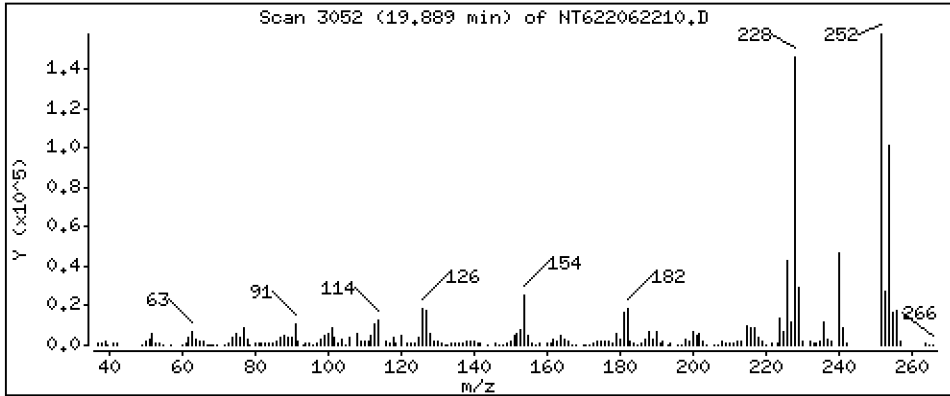
Operator: JZ

Column phase: ZB-5msi

Column diameter: 0.32

70 3,3'-Dichlorobenzidine

Concentration: 46.94 ug/mL



Date : 22-JUN-2022 16:12

Client ID:

Instrument: nt6.i

Sample Info: BKF0450-BS1.

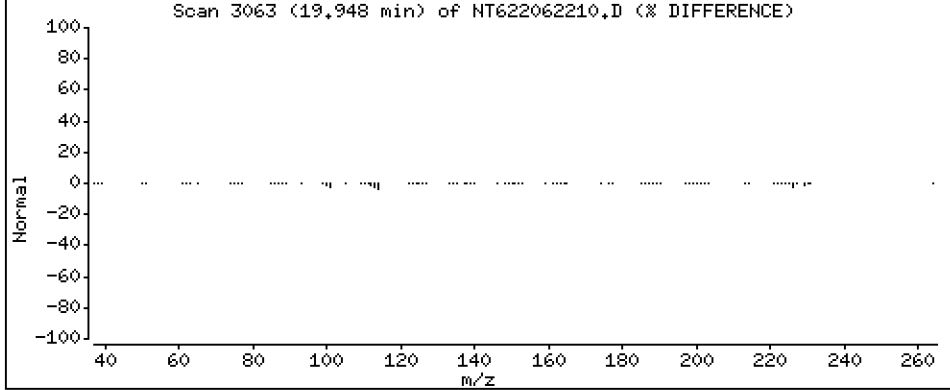
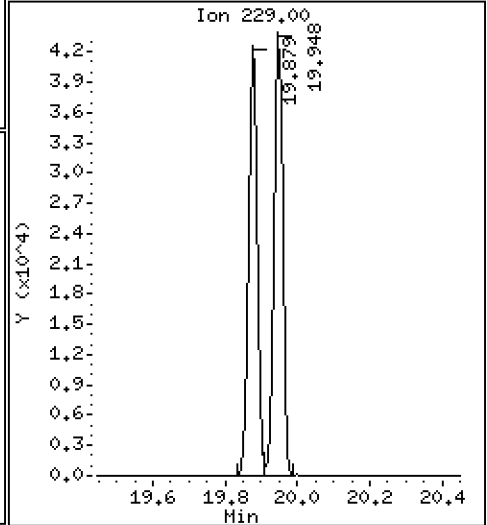
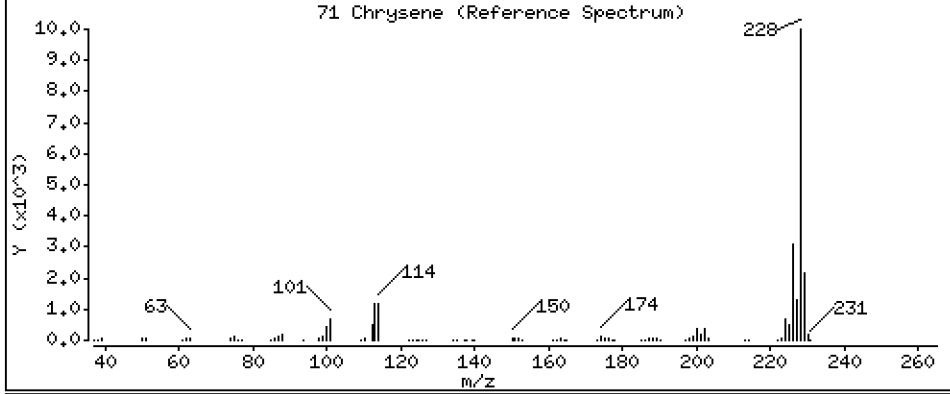
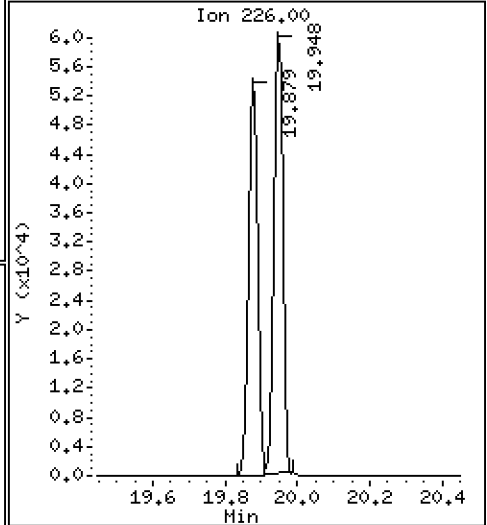
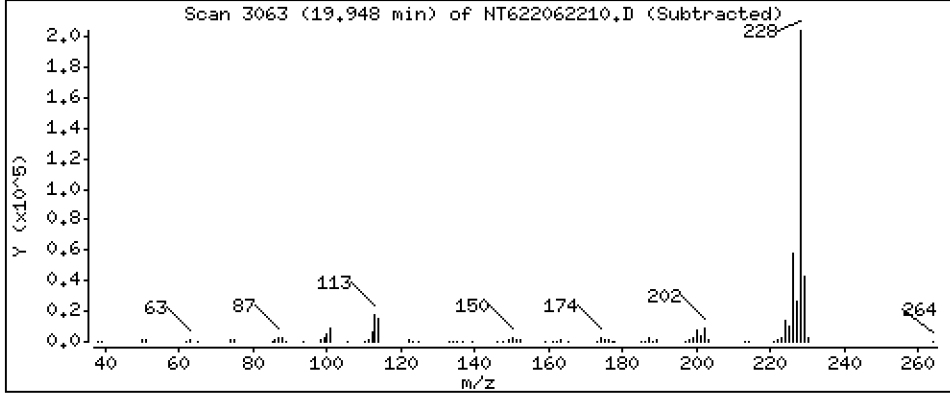
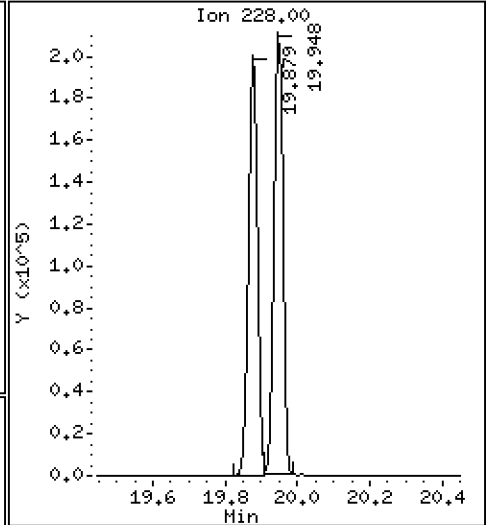
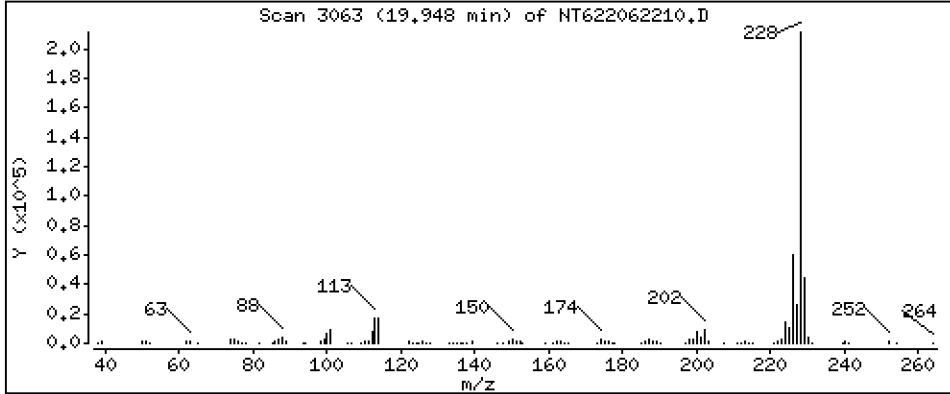
Operator: JZ

Column phase: ZB-5msi

Column diameter: 0,32

71 Chrysene

Concentration: 18,91 ug/mL



Date : 22-JUN-2022 16:12

Client ID:

Instrument: nt6.i

Sample Info: BKF0450-BS1.

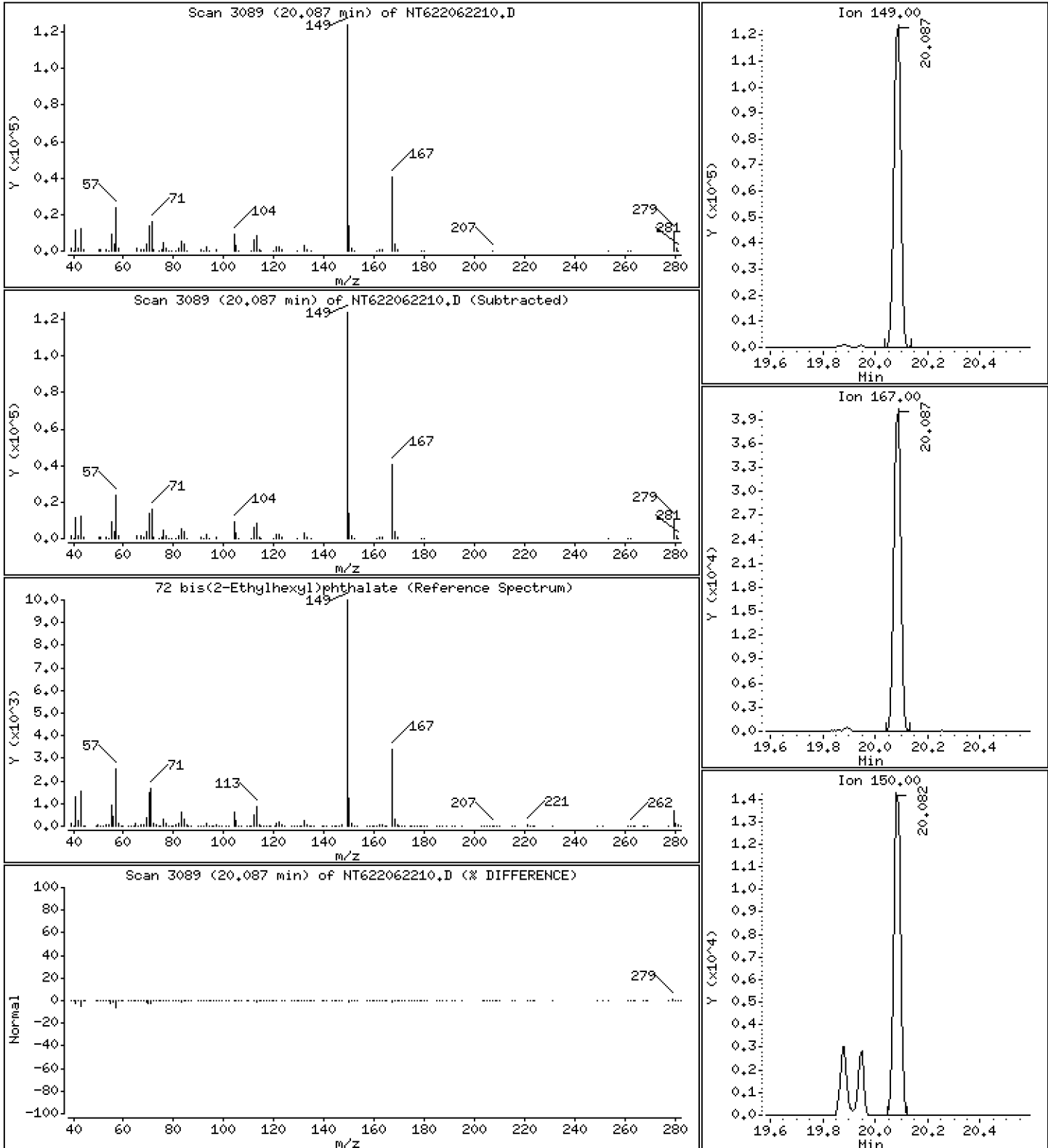
Operator: JZ

Column phase: ZB-5msi

Column diameter: 0.32

72 bis(2-Ethylhexyl)phthalate

Concentration: 20.55 ug/mL



Date : 22-JUN-2022 16:12

Client ID:

Instrument: nt6.i

Sample Info: BKF0450-BS1.

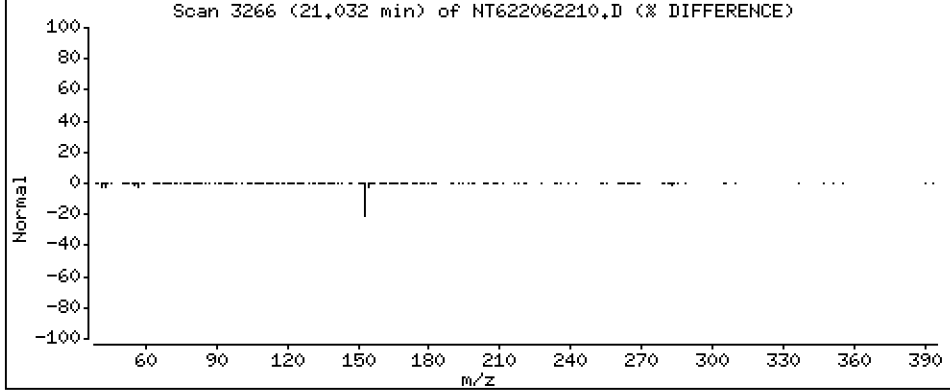
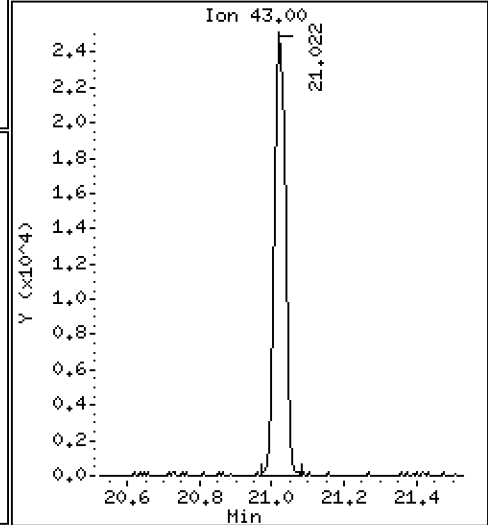
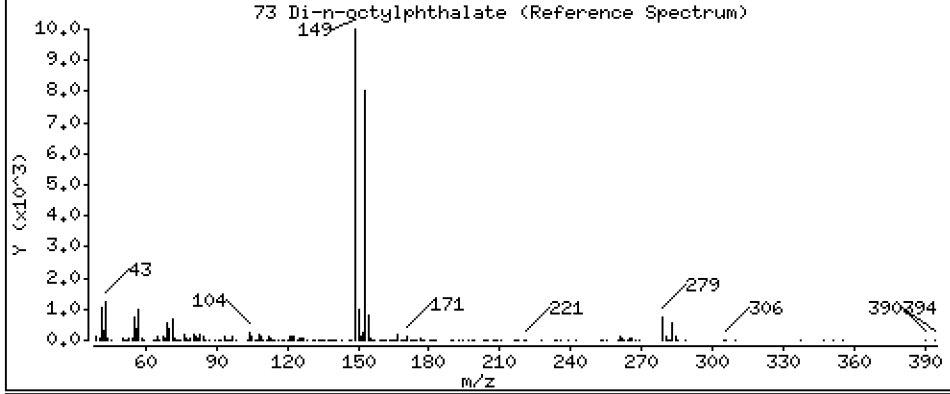
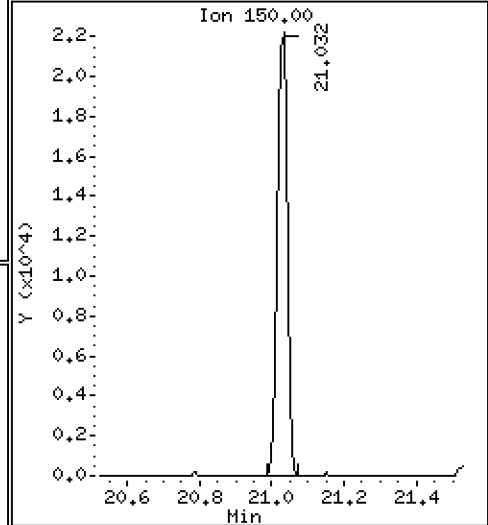
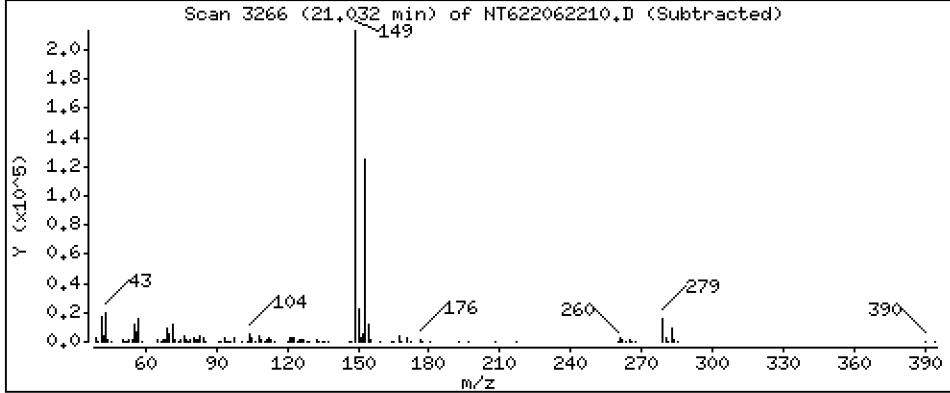
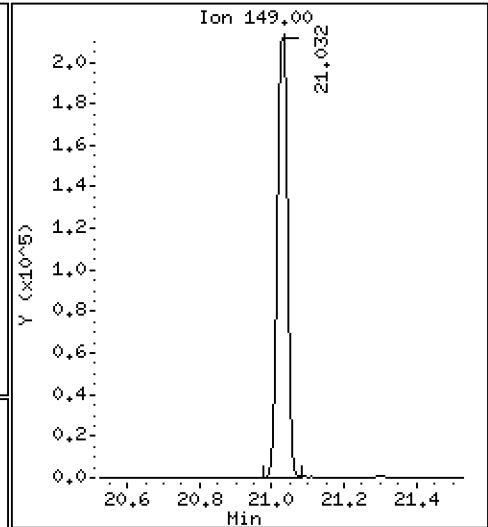
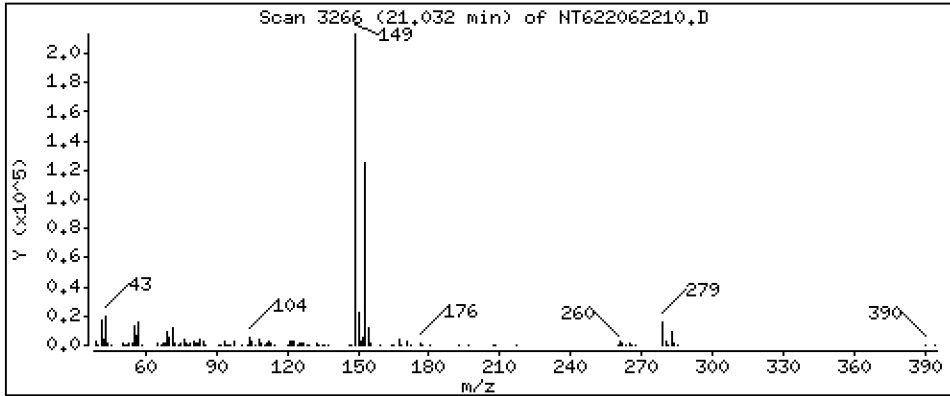
Operator: JZ

Column phase: ZB-5msi

Column diameter: 0.32

73 Di-n-octylphthalate

Concentration: 20.92 ug/mL



Date : 22-JUN-2022 16:12

Client ID:

Instrument: nt6.i

Sample Info: BKF0450-BS1.

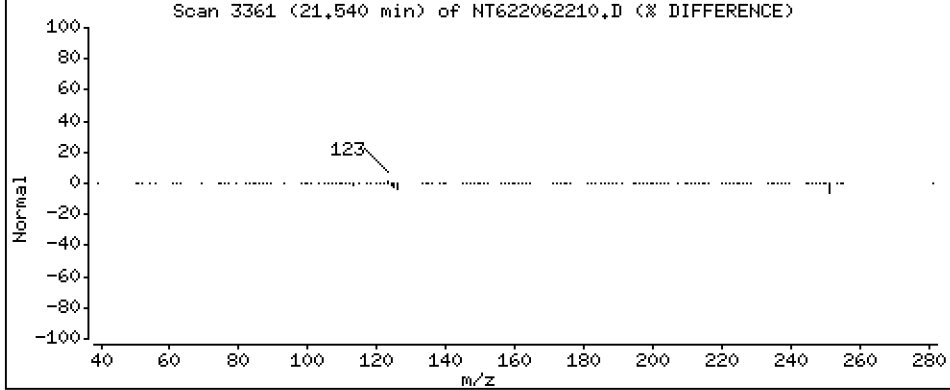
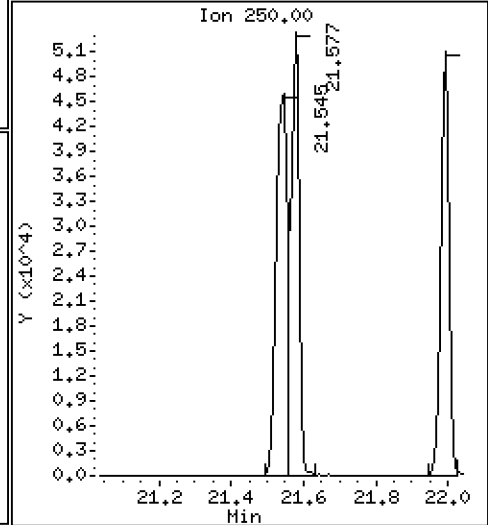
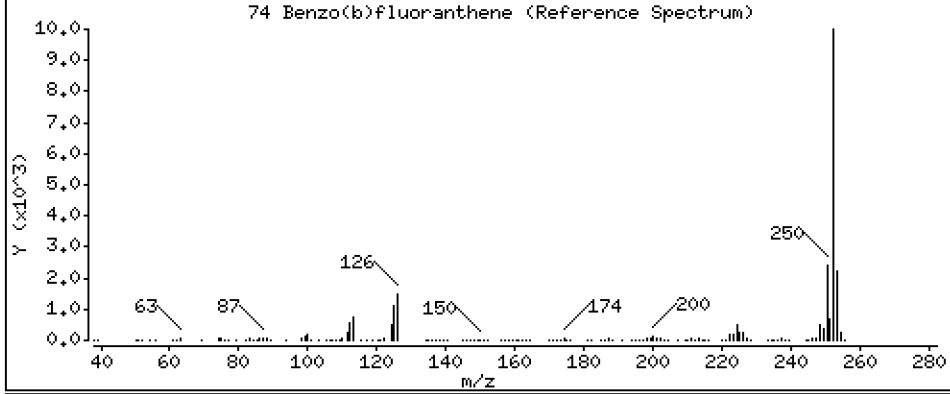
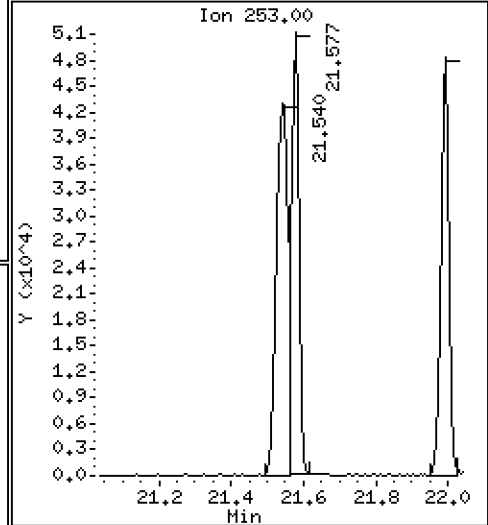
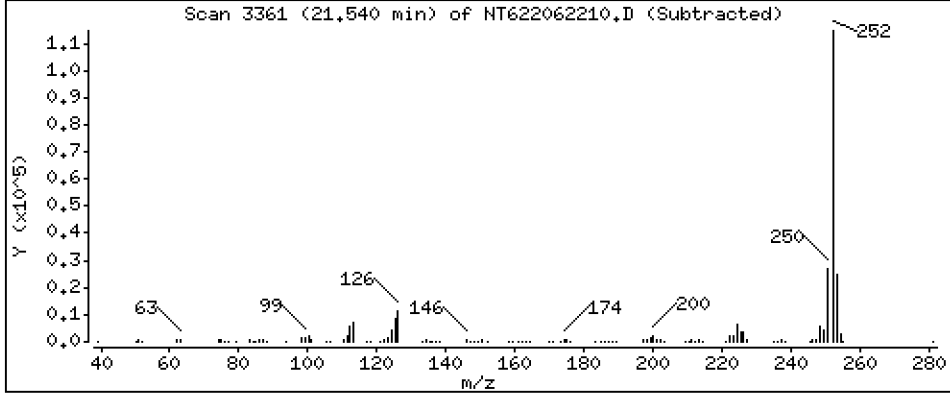
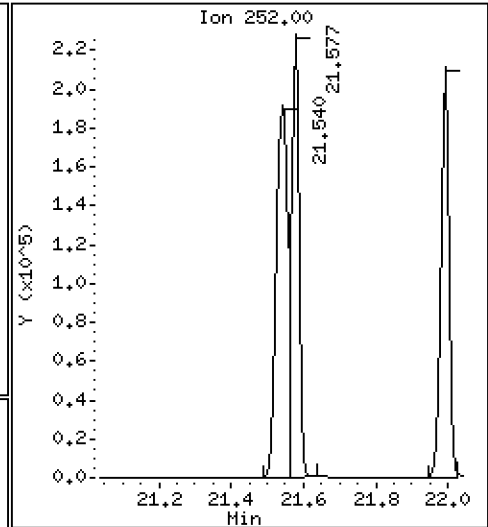
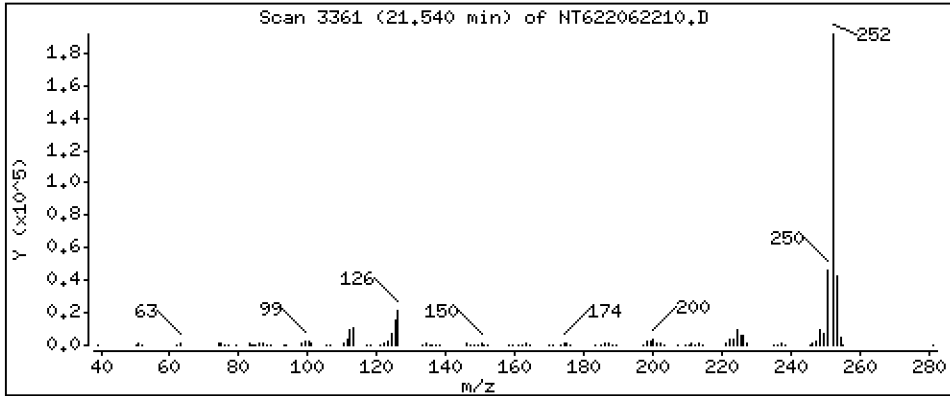
Operator: JZ

Column phase: ZB-5msi

Column diameter: 0,32

74 Benzo(b)fluoranthene

Concentration: 22,83 ug/mL



Date : 22-JUN-2022 16:12

Client ID:

Instrument: nt6.i

Sample Info: BKF0450-BS1.

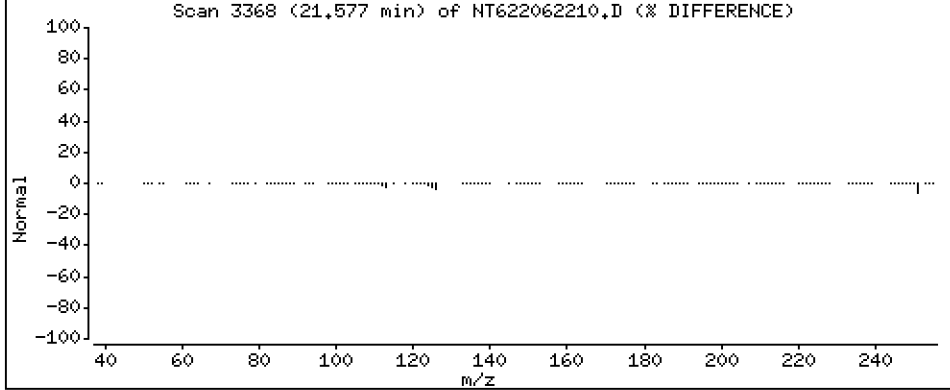
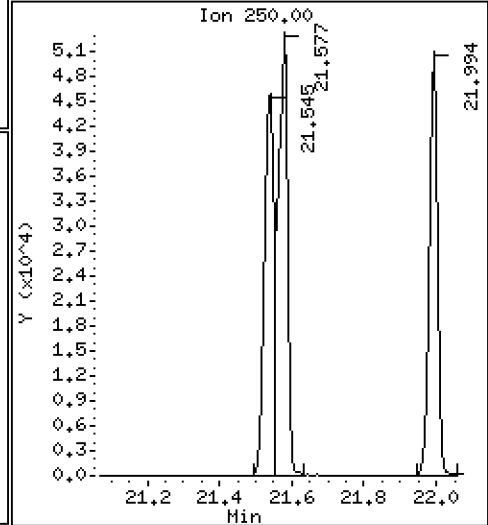
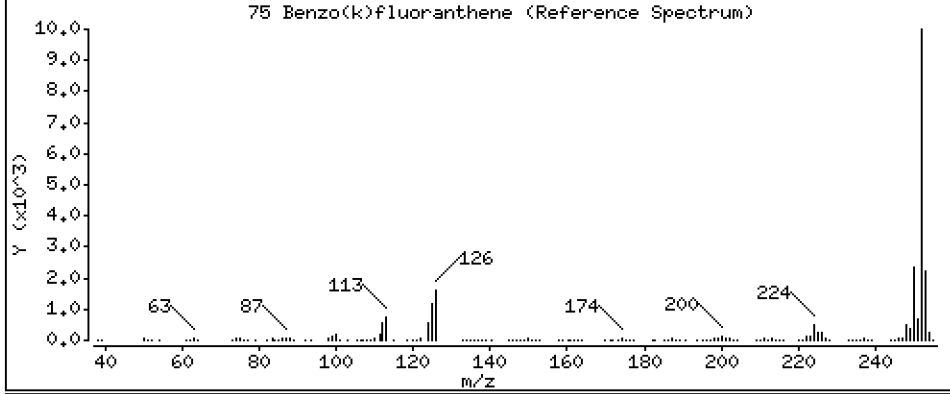
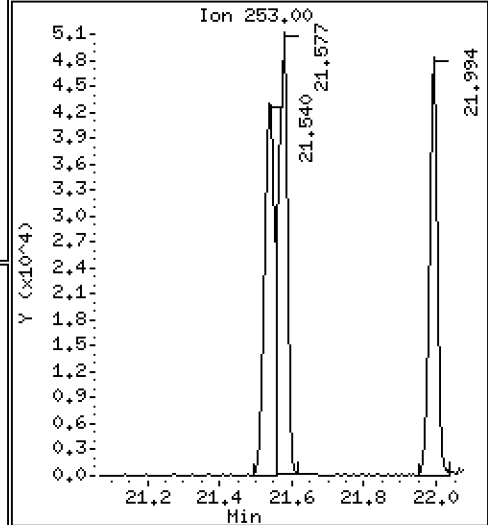
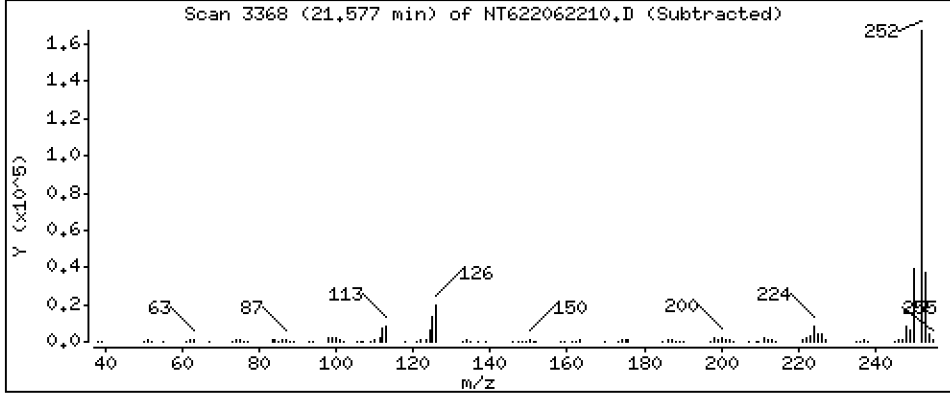
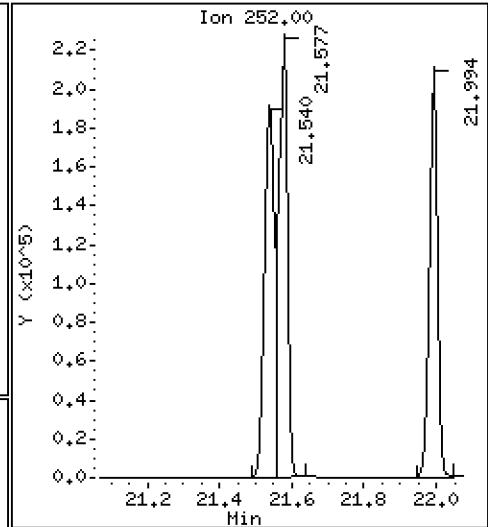
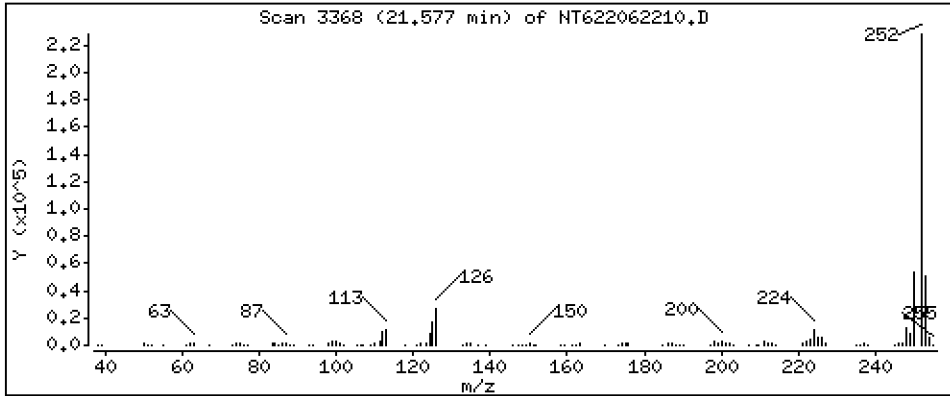
Operator: JZ

Column phase: ZB-5msi

Column diameter: 0.32

75 Benzo(k)fluoranthene

Concentration: 19.39 ug/mL



Date : 22-JUN-2022 16:12

Client ID:

Instrument: nt6.i

Sample Info: BKF0450-BS1.

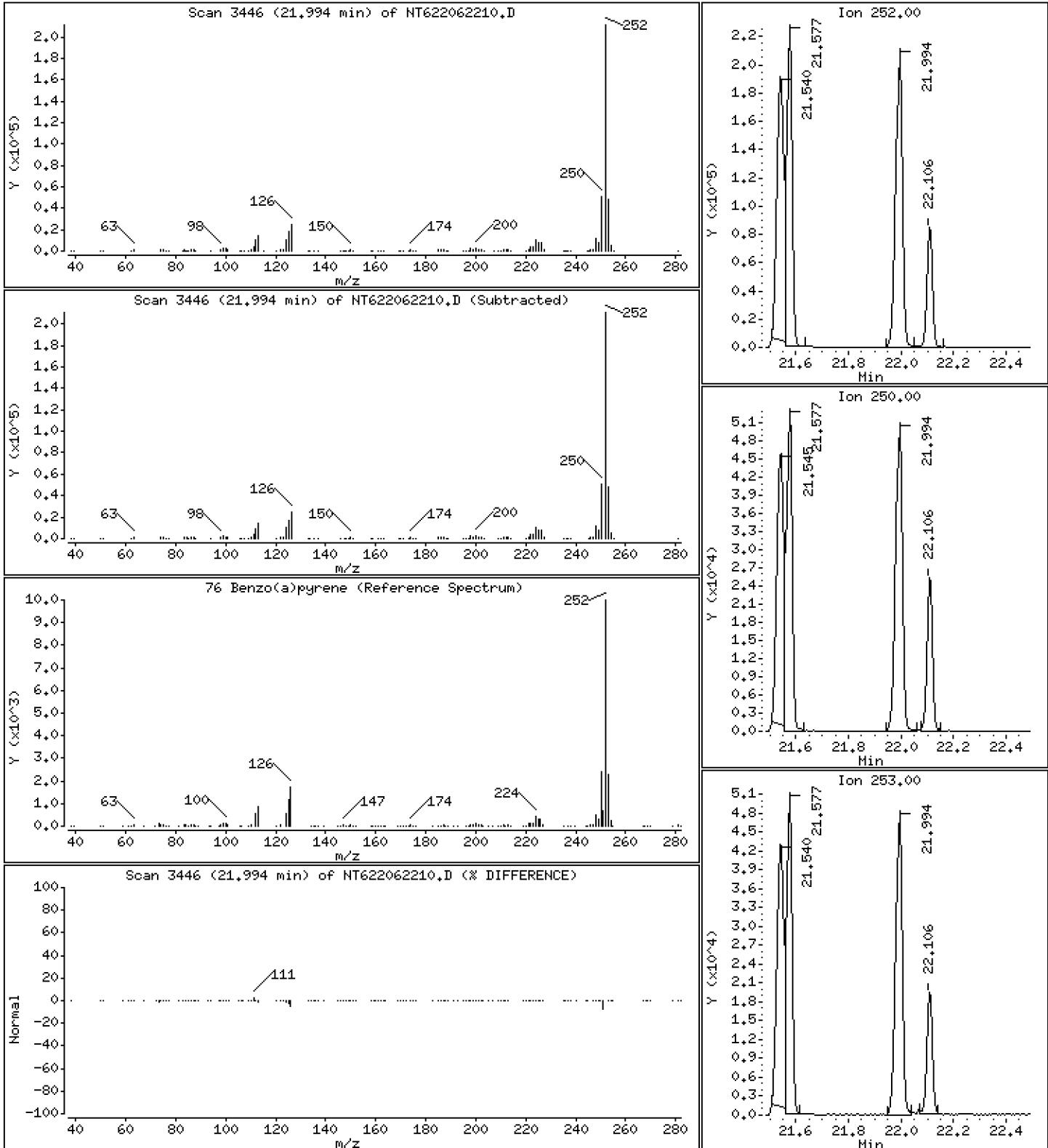
Operator: JZ

Column phase: ZB-5msi

Column diameter: 0,32

76 Benzo(a)pyrene

Concentration: 20,27 ug/mL



Date : 22-JUN-2022 16:12

Client ID:

Instrument: nt6.i

Sample Info: BKF0450-BS1.

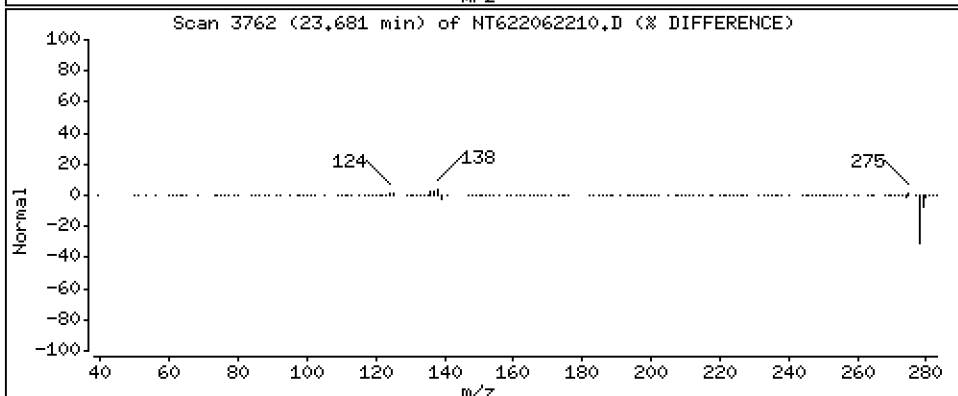
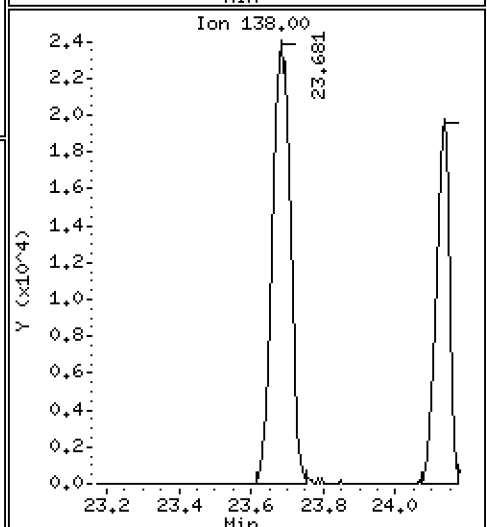
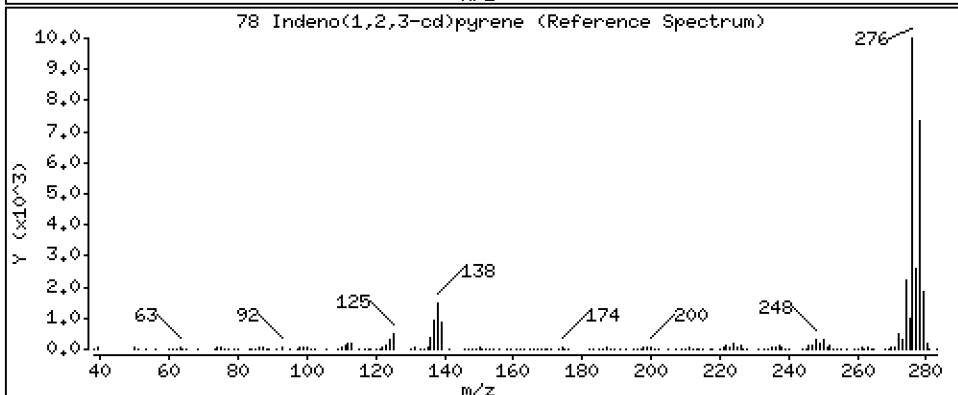
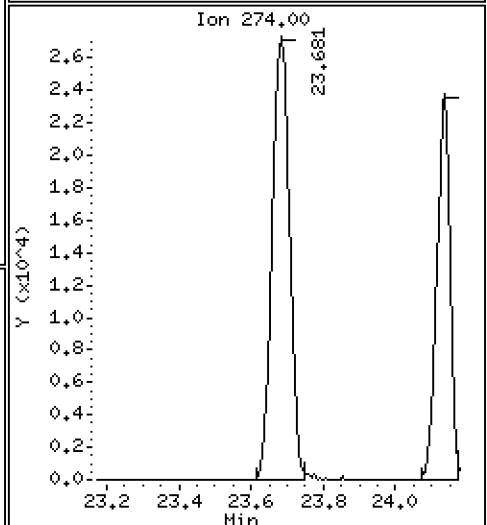
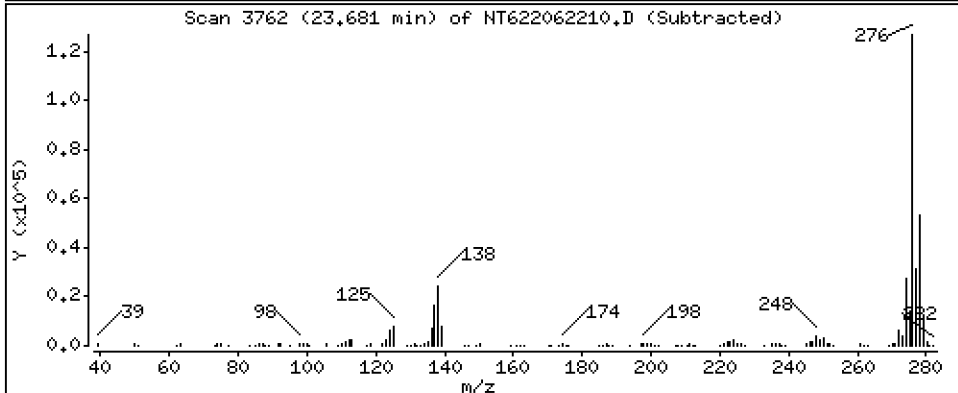
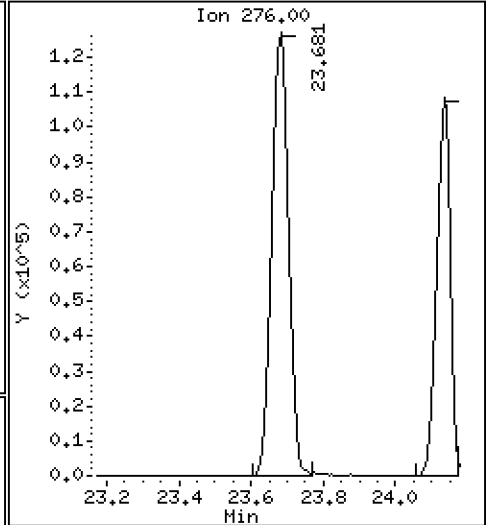
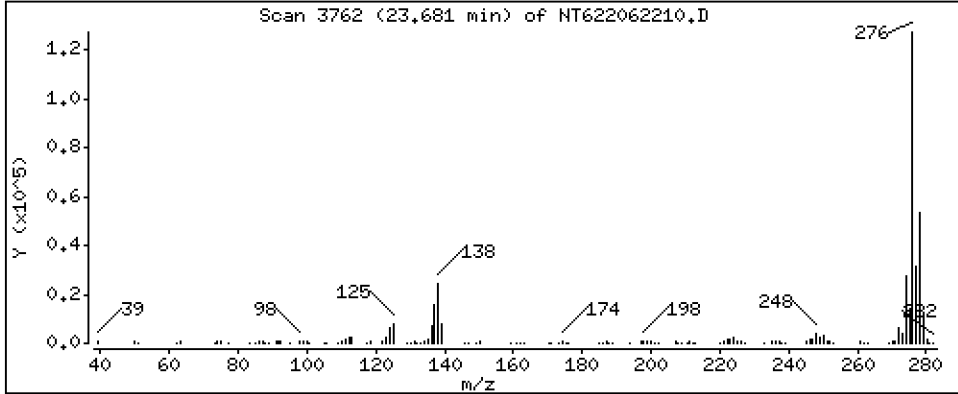
Operator: JZ

Column phase: ZB-5msi

Column diameter: 0.32

78 Indeno(1,2,3-cd)pyrene

Concentration: 15.98 ug/mL



Date : 22-JUN-2022 16:12

Client ID:

Instrument: nt6.i

Sample Info: BKF0450-BS1.

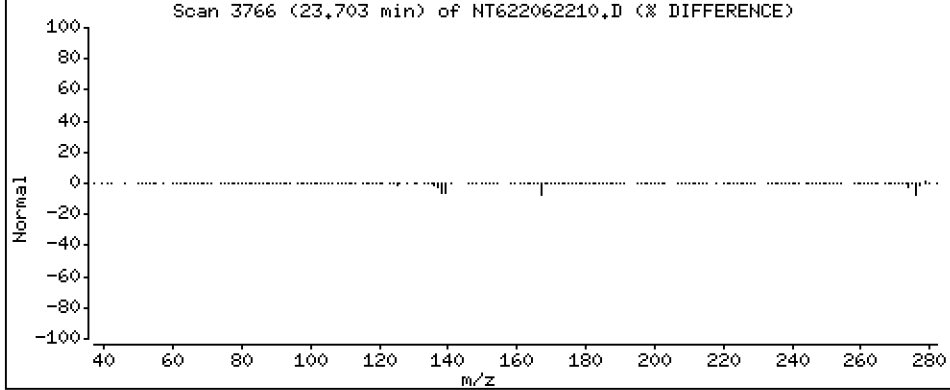
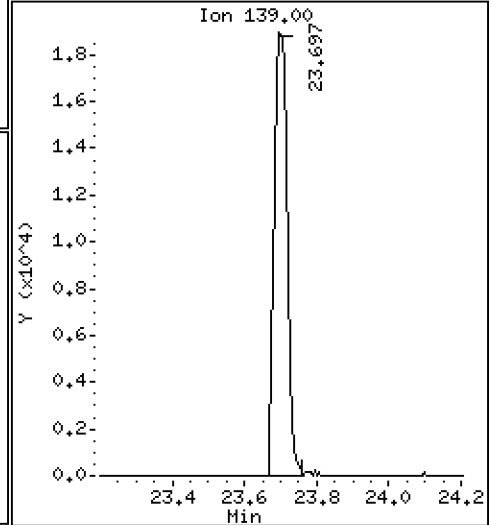
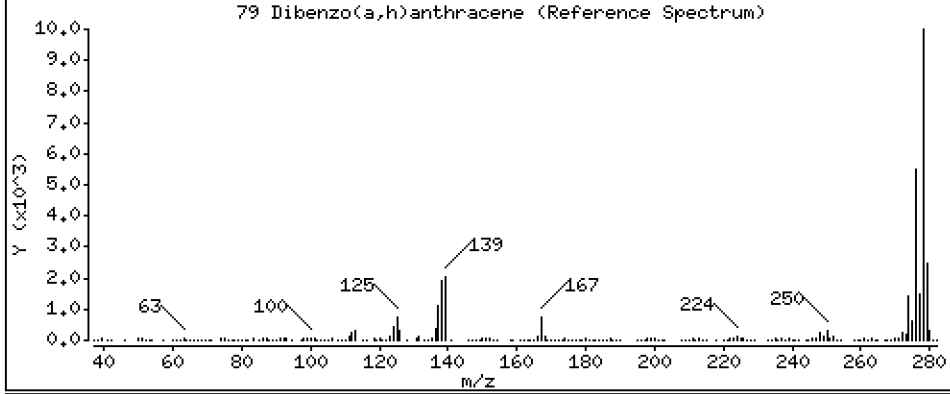
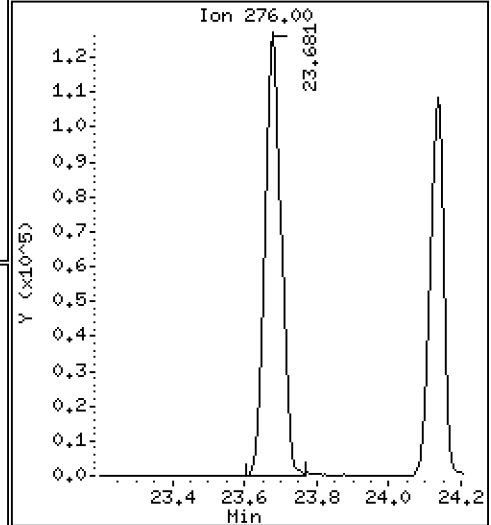
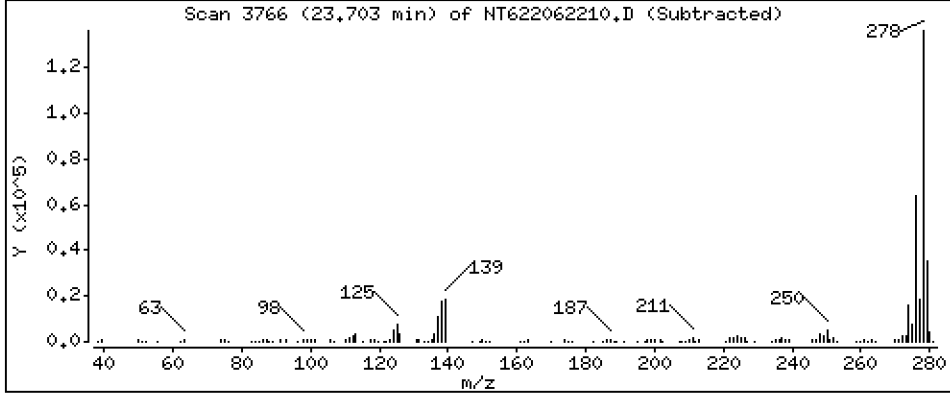
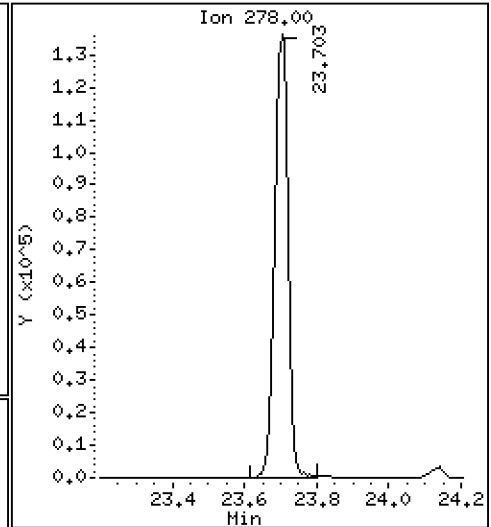
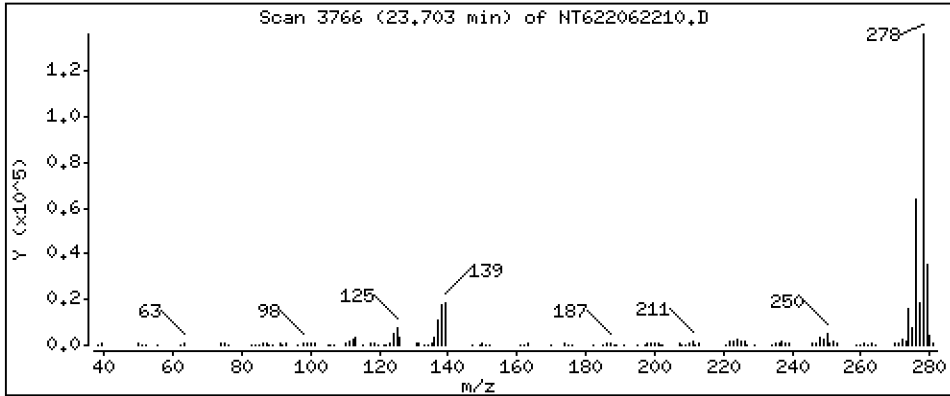
Operator: JZ

Column phase: ZB-5msi

Column diameter: 0,32

79 Dibenzo(a,h)anthracene

Concentration: 16,05 ug/mL



Date : 22-JUN-2022 16:12

Client ID:

Instrument: nt6.i

Sample Info: BKF0450-BS1.

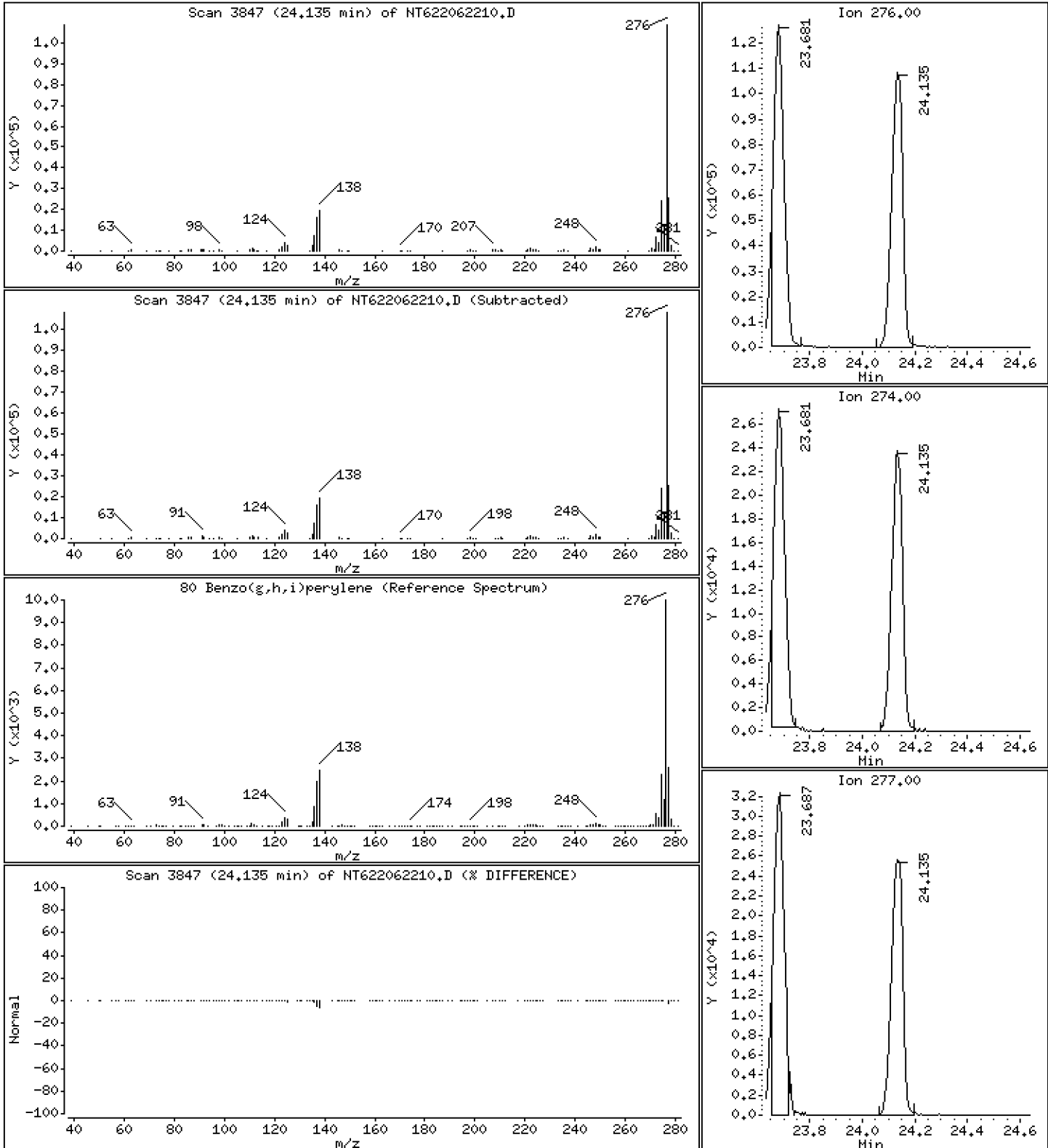
Operator: JZ

Column phase: ZB-5msi

Column diameter: 0,32

80 Benzo(g,h,i)perylene

Concentration: 14,22 ug/mL



Date : 22-JUN-2022 16:12

Client ID:

Instrument: nt6.i

Sample Info: BKF0450-BS1.

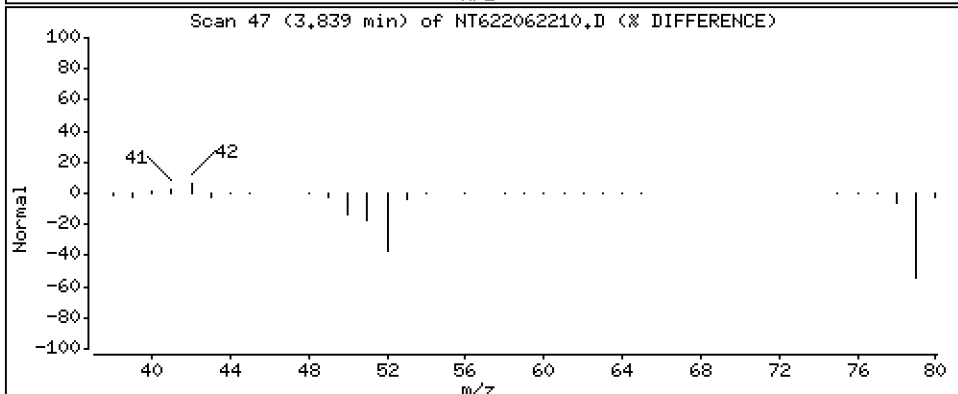
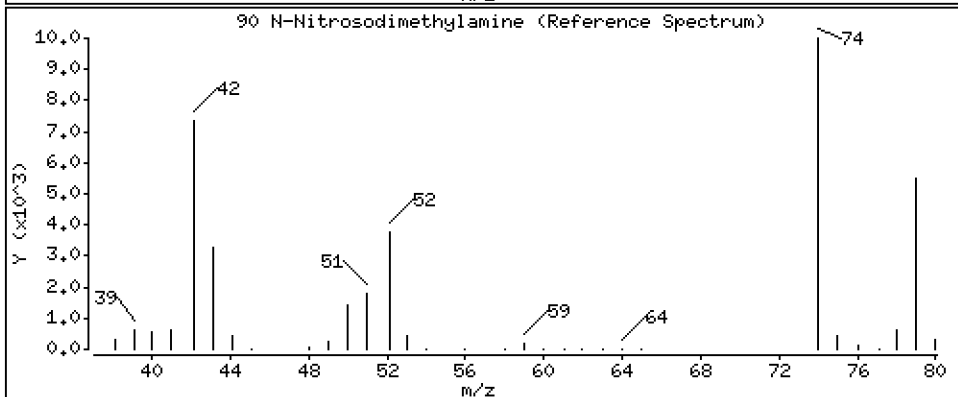
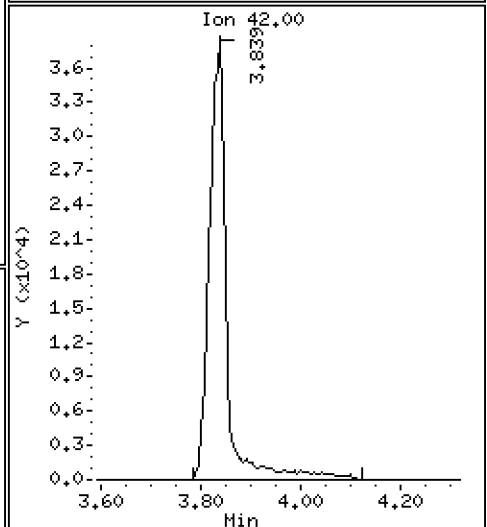
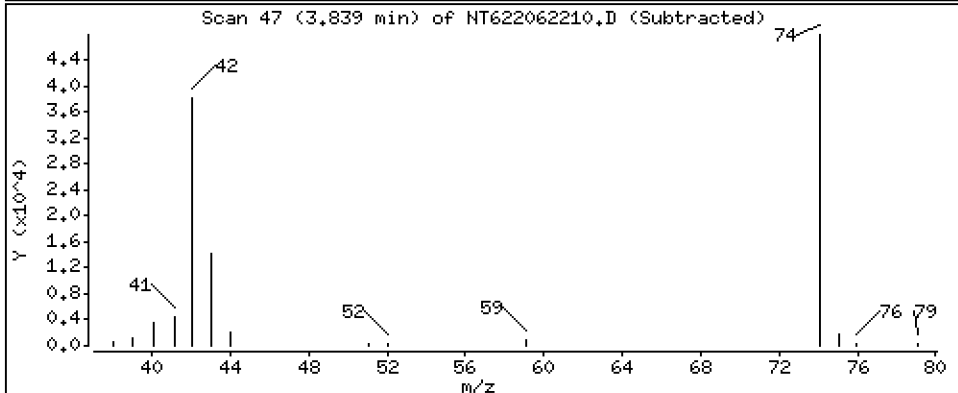
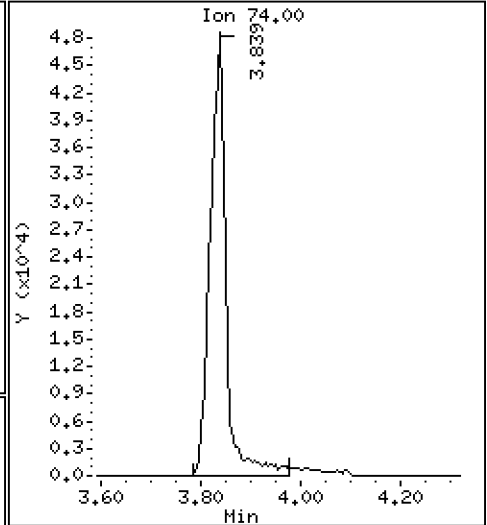
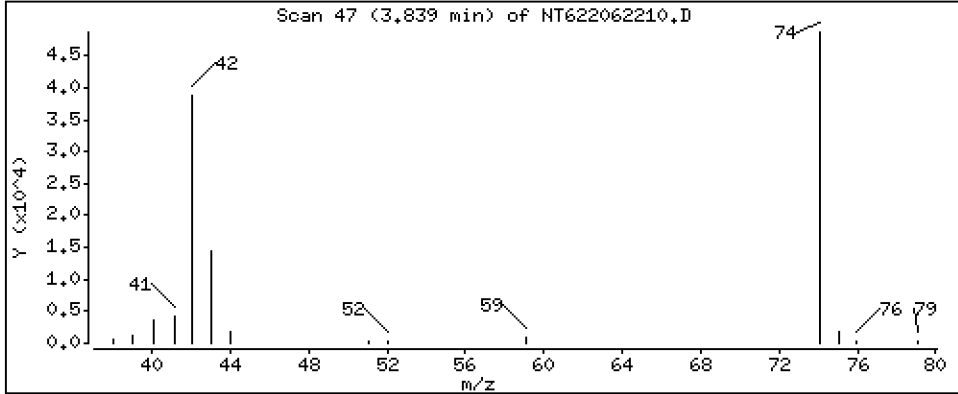
Operator: JZ

Column phase: ZB-5msi

Column diameter: 0,32

90 N-Nitrosodimethylamine

Concentration: 54,62 ug/mL



Date : 22-JUN-2022 16:12

Client ID:

Instrument: nt6.i

Sample Info: BKF0450-BS1.

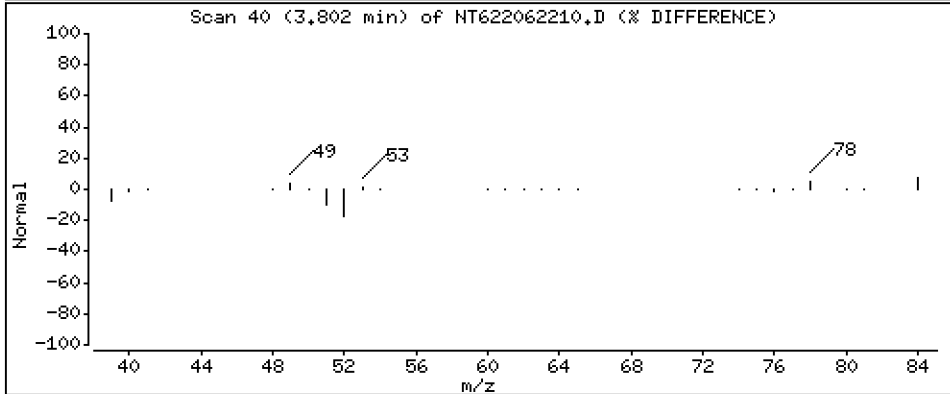
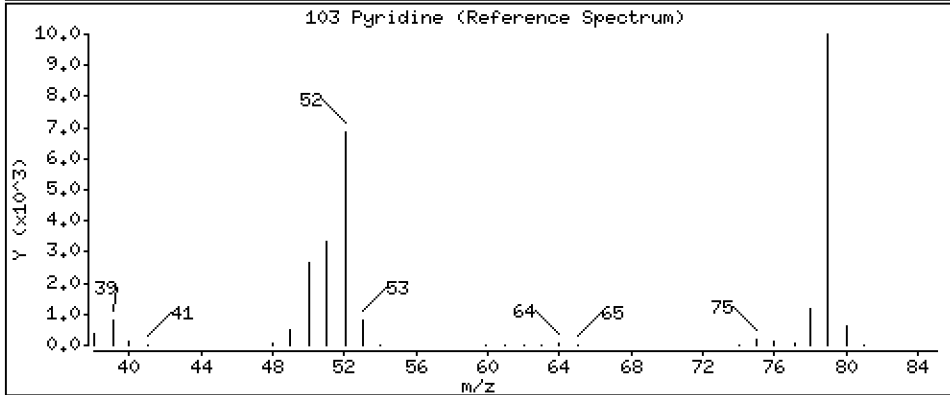
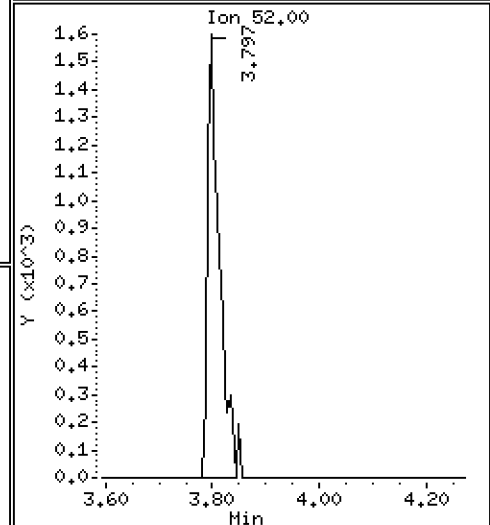
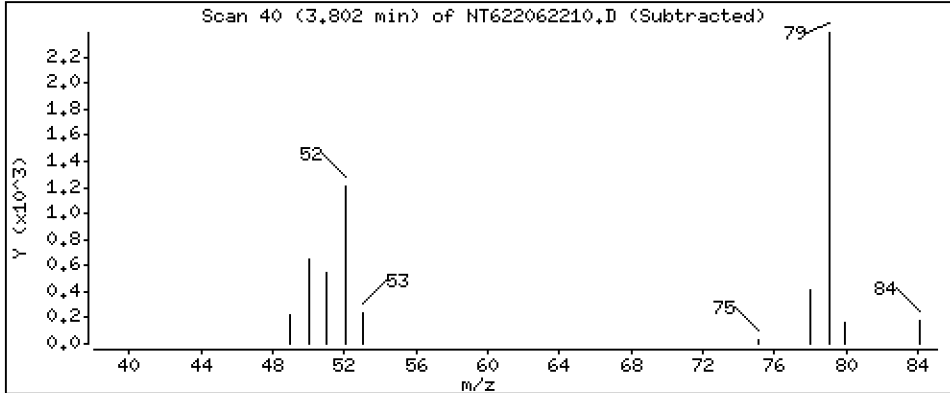
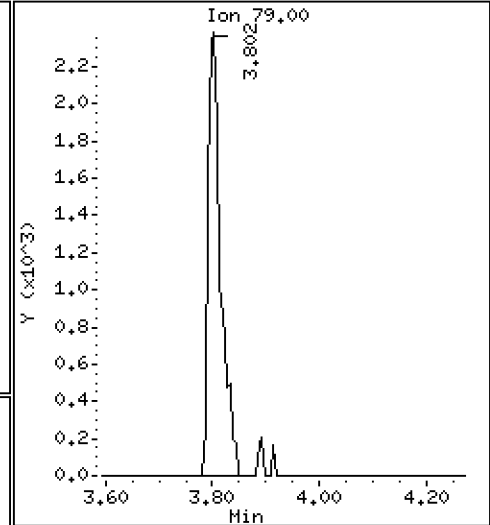
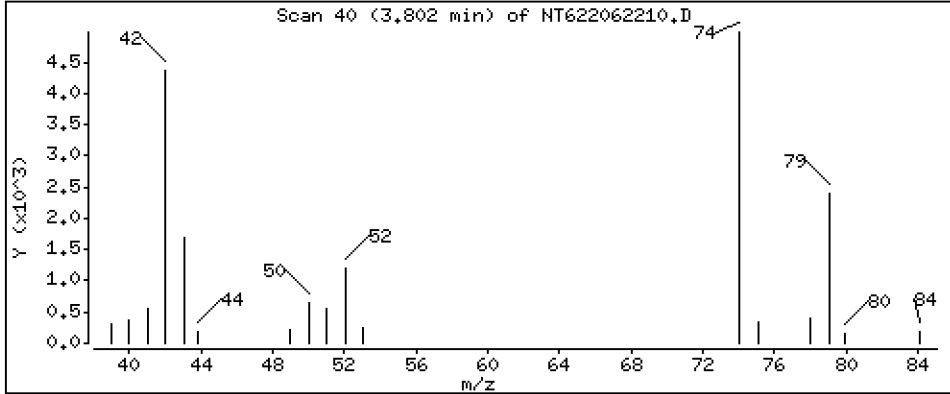
Operator: JZ

Column phase: ZB-5msi

Column diameter: 0.32

103 Pyridine

Concentration: 1.068 ug/mL



Date : 22-JUN-2022 16:12

Client ID:

Instrument: nt6.i

Sample Info: BKF0450-BS1.

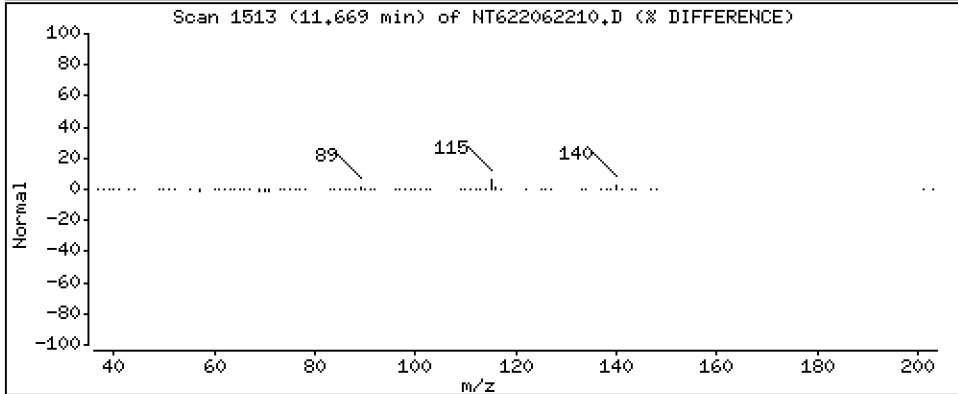
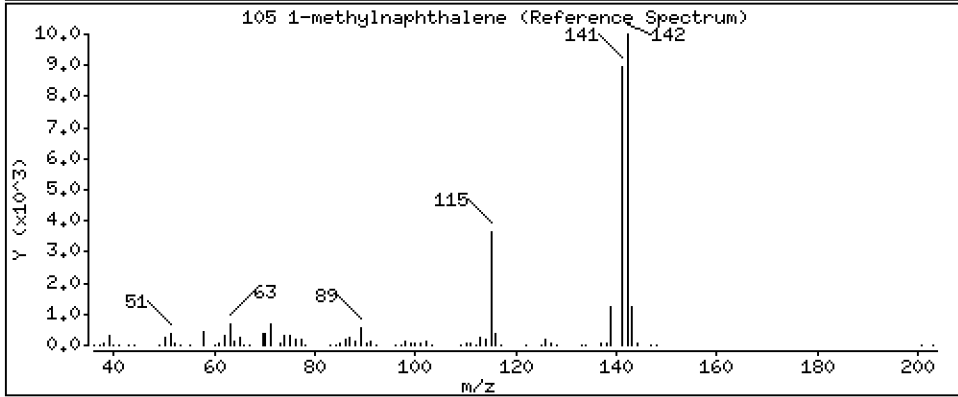
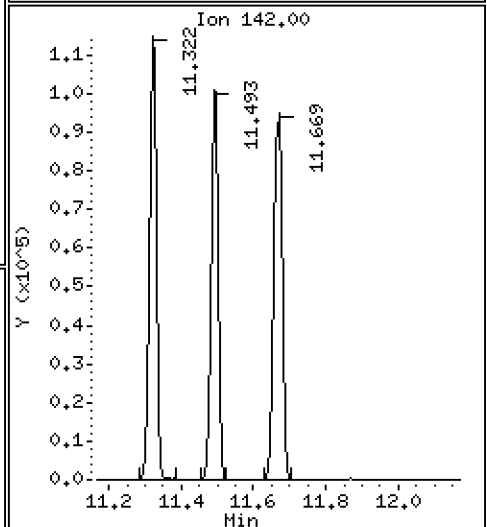
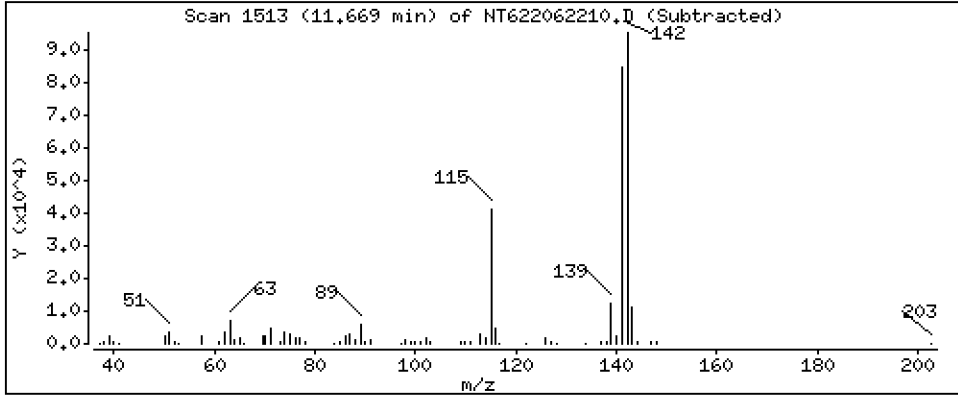
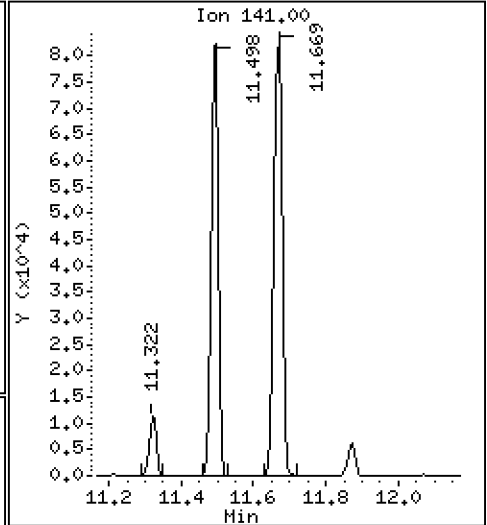
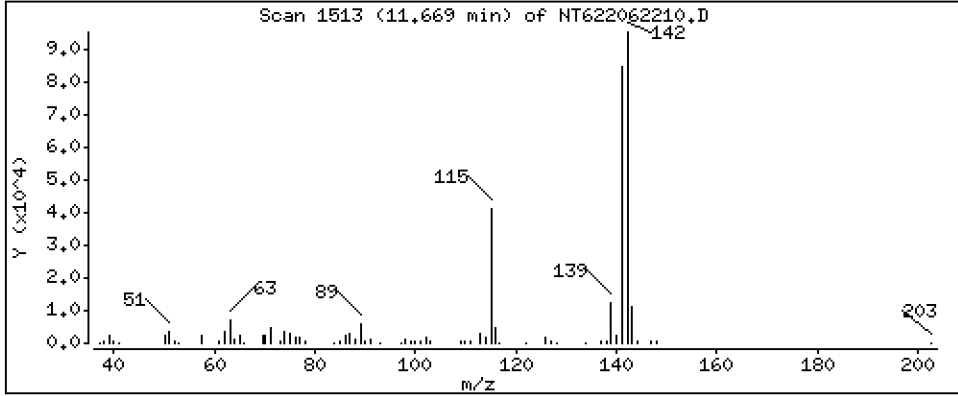
Operator: JZ

Column phase: ZB-5msi

Column diameter: 0.32

105 1-methylnaphthalene

Concentration: 18.82 ug/mL



Date : 22-JUN-2022 16:12

Client ID:

Instrument: nt6.i

Sample Info: BKF0450-BS1.

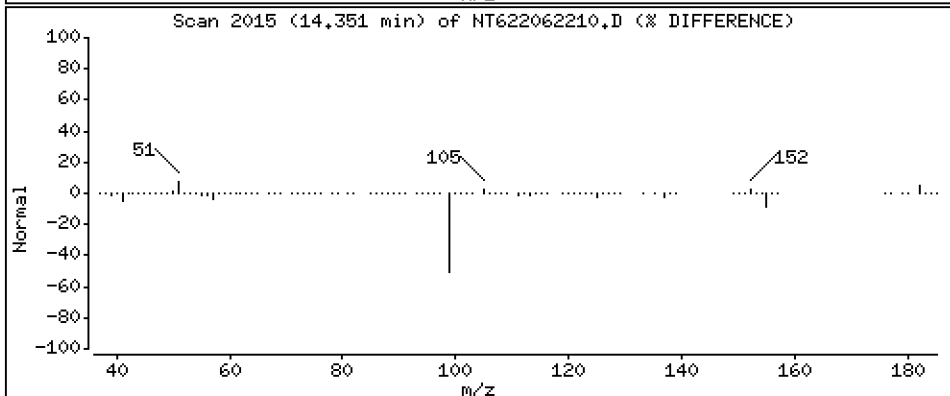
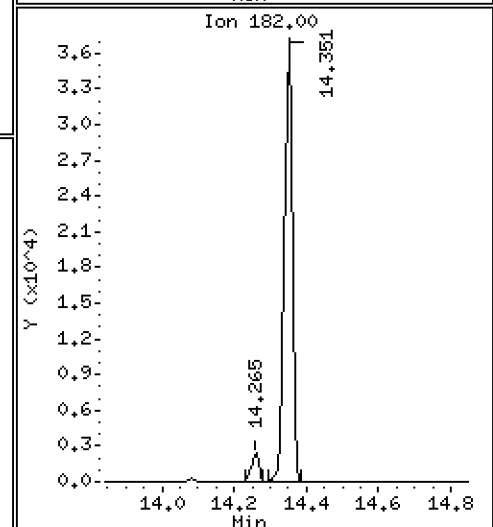
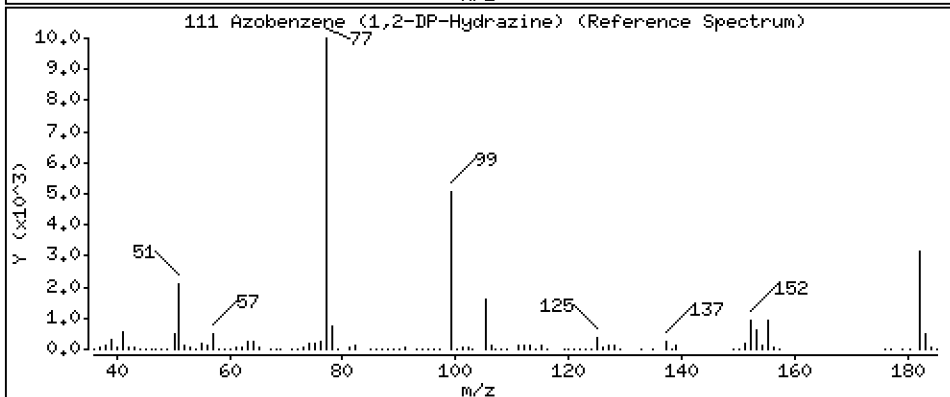
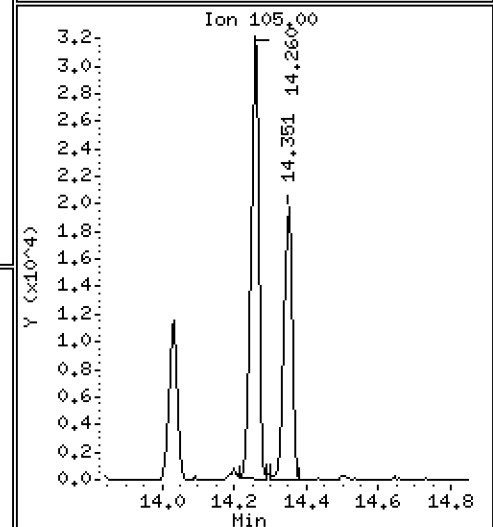
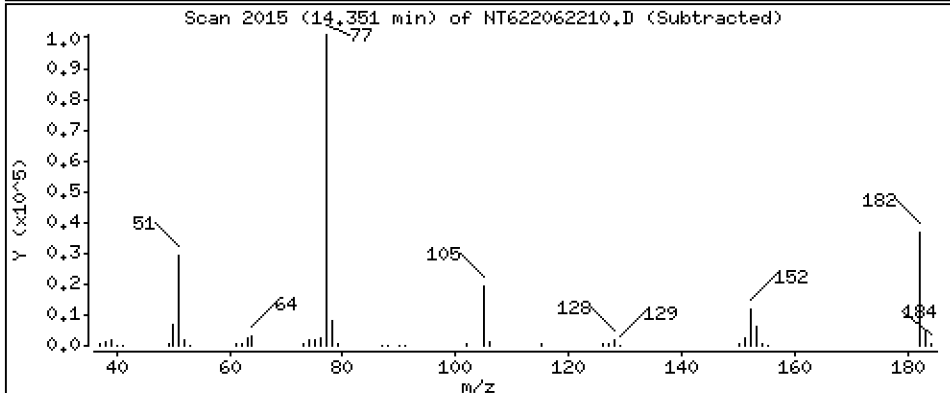
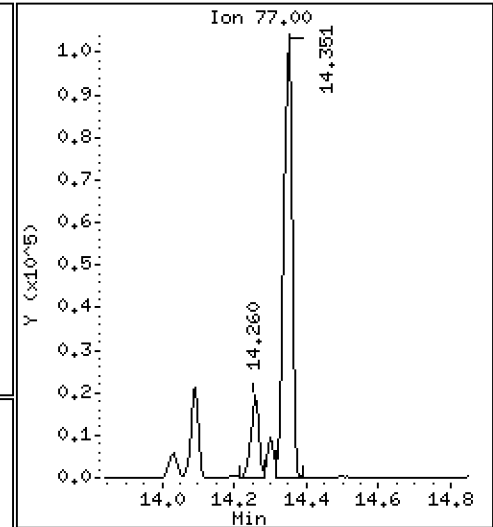
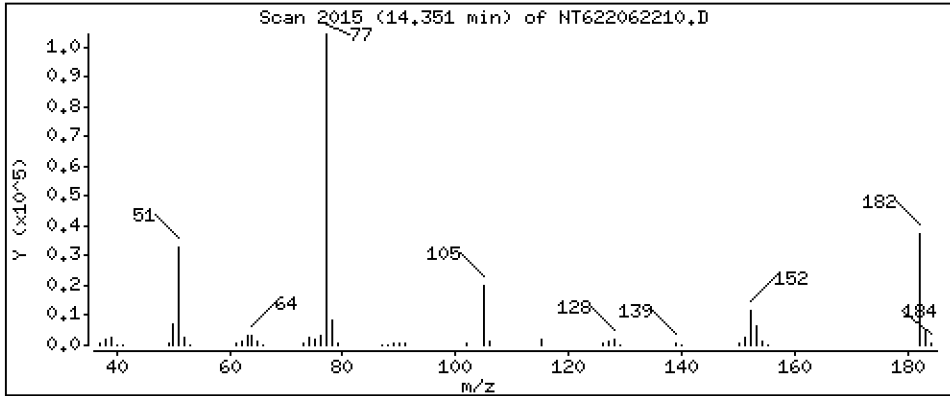
Operator: JZ

Column phase: ZB-5msi

Column diameter: 0.32

111 Azobenzene (1,2-DP-Hydrazine)

Concentration: 18.47 ug/mL



Date : 22-JUN-2022 16:12

Client ID:

Instrument: nt6.i

Sample Info: BKF0450-BS1.

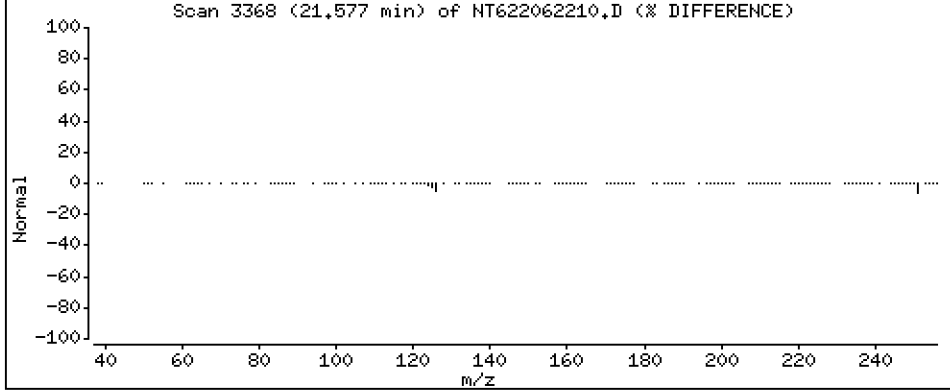
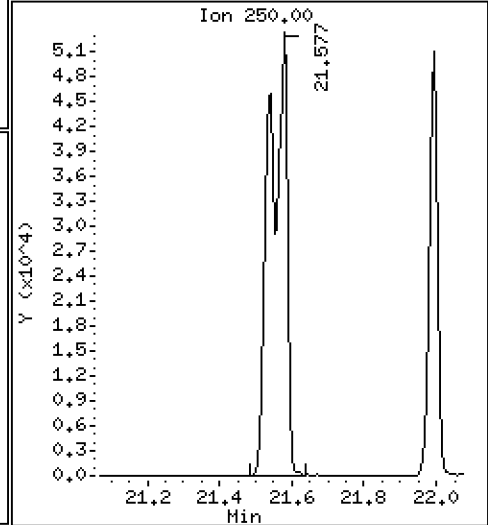
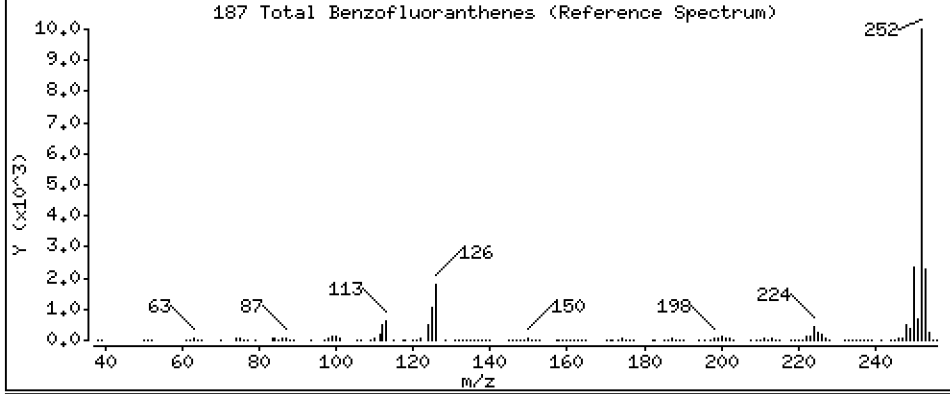
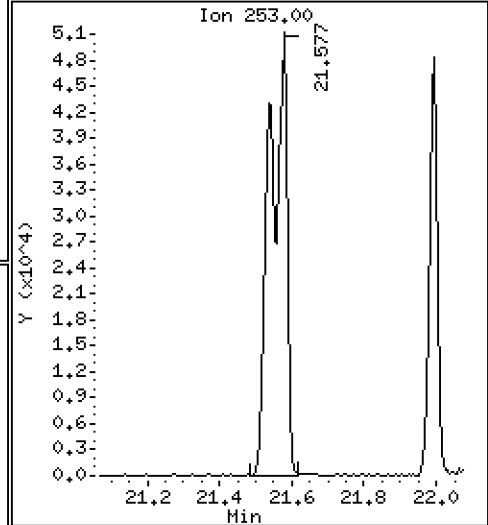
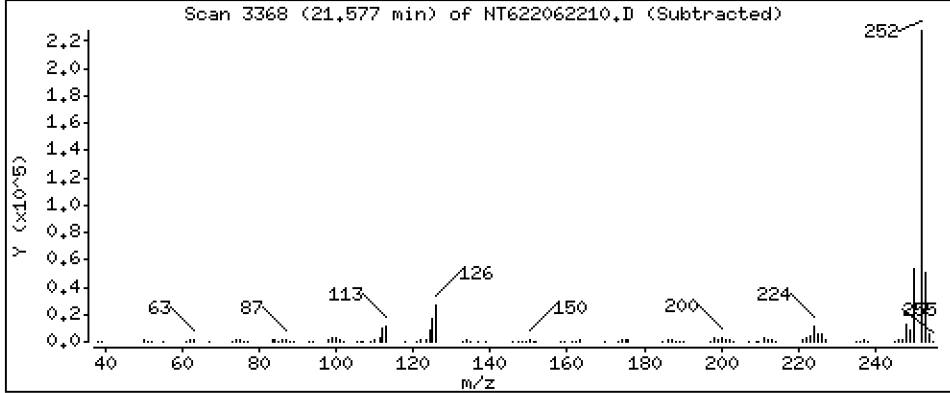
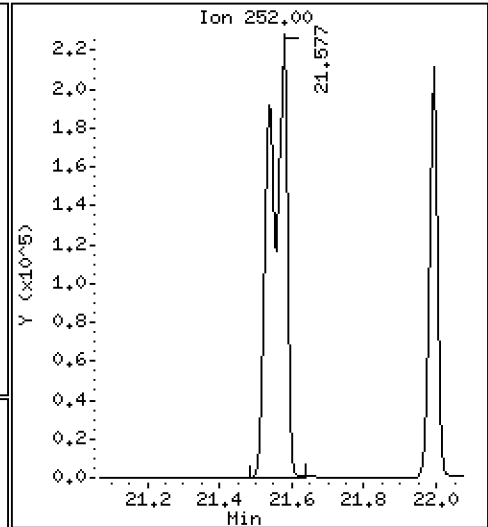
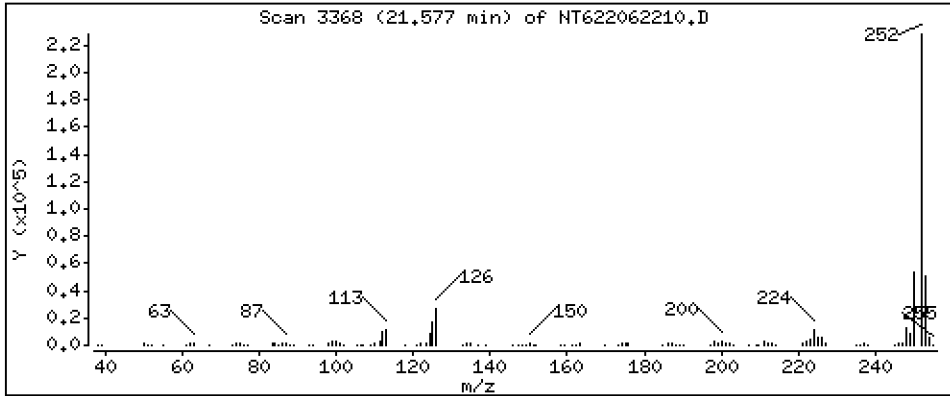
Operator: JZ

Column phase: ZB-5msi

Column diameter: 0.32

187 Total Benzofluoranthenes

Concentration: 42.26 ug/mL



ARI Labs, Inc.

Semivolatile Report SW846 Method 8270D

Data file : \\target\share\chem3\nt6.i\20220622.b\NT622062210.D
 Lab Smp Id: BKF0450-BS1
 Inj Date : 22-JUN-2022 16:12
 Operator : JZ Inst ID: nt6.i
 Smp Info : BKF0450-BS1,
 Misc Info : 22-
 Comment : 1ul Injection
 Method : \\target\share\chem3\nt6.i\20220622.b\SW84620220516.m
 Meth Date : 24-Jun-2022 18:07 jianqing Quant Type: ISTD
 Cal Date : 16-MAY-2022 18:52 Cal File: NT622051604.D
 Als bottle: 10
 Dil Factor: 1.00000
 Integrator: HP RTE Compound Sublist: LLM DL.sub
 Target Version: 4.14
 Processing Host: JIANQING-202105

Compounds	QUANT	SIG	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS	
							ON-COLUMN	FINAL
	MASS						(ug/mL)	(ug/mL)
\$ 1 2-Fluorophenol	112		6.371	6.370	(0.767)	126603	29.8458	29.85
\$ 2 Phenol-d5	99		7.877	7.877	(0.948)	151588	31.2396	31.24
3 Phenol	94		7.893	7.893	(0.950)	92112	16.3321	16.33
\$ 5 2-Chlorophenol-d4	132		8.016	8.016	(0.965)	135297	30.8486	30.85
4 Bis(2-Chloroethyl)ether	93		7.984	7.983	(0.961)	66720	19.6039	19.60
6 2-Chlorophenol	128		8.037	8.037	(0.967)	76064	16.5178	16.52
7 1,3-Dichlorobenzene	146		8.251	8.251	(0.993)	66193	13.8350	13.84
* 8 1,4-Dichlorobenzene-d4	152		8.309	8.309	(1.000)	78481	20.0000	
9 1,4-Dichlorobenzene	146		8.336	8.336	(1.003)	66456	14.2392	14.24
\$ 10 1,2-Dichlorobenzene-d4	152		8.608	8.608	(1.036)	58525	18.6458	18.65
12 1,2-Dichlorobenzene	146		8.630	8.630	(1.039)	66101	14.9161	14.92
11 Benzyl alcohol	108		8.587	8.587	(1.033)	51866	19.6899	19.69
14 2,2'-oxybis(1-Chloropropane)	45		8.843	8.843	(1.064)	56448	21.6036	21.60
13 2-Methylphenol	108		8.811	8.811	(1.060)	63218	16.5495	16.55
17 Hexachloroethane	117		9.116	9.116	(1.097)	22713	12.0675	12.07
16 N-Nitroso-di-n-propylamine	70		9.057	9.057	(1.090)	49147	19.2616	19.26
15 4-Methylphenol	108		9.052	9.041	(1.089)	70517	17.3068	17.31
\$ 18 Nitrobenzene-d5	82		9.239	9.239	(0.893)	91437	22.3880	22.39
19 Nitrobenzene	77		9.265	9.265	(0.895)	75056	19.3518	19.35
20 Isophorone	82		9.650	9.639	(0.932)	141705	28.8194	28.82
21 2-Nitrophenol	139		9.778	9.778	(0.945)	44065	18.3618	18.36
22 2,4-Dimethylphenol	107		9.880	9.874	(0.955)	185708	41.1591	41.16
23 Bis(2-Chloroethoxy)methane	93		10.029	10.024	(0.969)	79230	22.5743	22.57
24 Benzoic acid	105		10.168	10.115	(0.982)	262542	91.1746	91.17
25 2,4-Dichlorophenol	162		10.163	10.157	(0.982)	175271	47.6748	47.67
26 1,2,4-Trichlorobenzene	180		10.291	10.285	(0.994)	60973	14.5554	14.56
* 27 Naphthalene-d8	136		10.350	10.350	(1.000)	265970	20.0000	
28 Naphthalene	128		10.382	10.376	(1.003)	194065	17.3596	17.36
29 4-Chloroaniline	127		10.521	10.515	(1.017)	189823	41.3144	41.31
30 Hexachlorobutadiene	225		10.691	10.691	(1.033)	35222	13.0319	13.03
31 4-Chloro-3-methylphenol	107		11.322	11.316	(1.094)	185089	49.9865	49.99
32 2-Methylnaphthalene	141		11.498	11.493	(1.111)	112643	17.6459	17.65
33 Hexachlorocyclopentadiene	237		11.872	11.872	(0.899)	74501	24.6865	24.69

Compounds	QUANT	SIG	CONCENTRATIONS						
			MASS	RT	EXP RT	REL RT	RESPONSE	ON-COLUMN (ug/mL)	FINAL (ug/mL)
34 2,4,6-Trichlorophenol	196		12.011	12.005	(0.909)	153361	49.2211	49.22	
35 2,4,5-Trichlorophenol	196		12.069	12.064	(0.913)	157903	47.5912	47.59	
\$ 36 2-Fluorobiphenyl	172		12.134	12.133	(0.918)	205660	20.2620	20.26	
37 2-Chloronaphthalene	162		12.278	12.272	(0.929)	139109	17.2151	17.22	
38 2-Nitroaniline	65		12.518	12.507	(0.947)	93992	46.0136	46.01	
39 Dimethylphthalate	163		12.881	12.876	(0.975)	182722	20.6630	20.66	
40 Acenaphthylene	152		12.956	12.956	(0.981)	232938	17.7791	17.78	
41 2,6-Dinitrotoluene	165		12.983	12.972	(0.983)	104968	52.0721	52.07	
* 42 Acenaphthene-d10	164		13.212	13.207	(1.000)	166849	20.0000		
43 3-Nitroaniline	138		13.202	13.186	(0.999)	92842	47.1636	47.16	
44 Acenaphthene	153		13.261	13.255	(1.004)	142082	18.2907	18.29	
45 2,4-Dinitrophenol	184		13.357	13.351	(1.011)	106305	82.0973	82.10	
46 Dibenzofuran	168		13.522	13.517	(1.023)	216893	19.3204	19.32	
47 4-Nitrophenol	109		13.496	13.490	(1.021)	75195	52.8523	52.85	
48 2,4-Dinitrotoluene	165		13.608	13.597	(1.030)	135536	52.0972	52.10	
50 Diethylphthalate	149		14.035	14.030	(1.062)	187659	21.9696	21.97	
49 Fluorene	166		14.078	14.078	(1.065)	170823	19.0221	19.02	
51 4-Chlorophenyl-phenylether	204		14.094	14.094	(1.067)	99180	19.6809	19.68	
52 4-Nitroaniline	138		14.206	14.184	(1.075)	84587	47.5151	47.52	
53 4,6-Dinitro-2-methylphenol	198		14.265	14.254	(0.915)	132481	78.3700	78.37	
54 N-Nitrosodiphenylamine	169		14.302	14.302	(0.917)	121787	18.1990	18.20	
\$ 55 2,4,6-Tribromophenol	330		14.500	14.500	(1.097)	52039	36.6555	36.66	
56 4-Bromophenyl-phenylether	248		14.879	14.879	(0.954)	60185	20.7529	20.75	
57 Hexachlorobenzene	284		15.103	15.103	(0.969)	63479	20.1129	20.11	
58 Pentachlorophenol	266		15.397	15.397	(0.988)	109113	51.7517	51.75	
* 59 Phenanthrene-d10	188		15.589	15.584	(1.000)	308733	20.0000		
60 Phenanthrene	178		15.621	15.621	(1.002)	249607	19.6140	19.61	
61 Anthracene	178		15.696	15.696	(1.007)	242209	19.0273	19.03	
62 Carbazole	167		15.979	15.974	(1.025)	210374	19.2260	19.23	
63 Di-n-butylphthalate	149		16.673	16.673	(1.070)	304163	22.1981	22.20	
64 Fluoranthene	202		17.560	17.560	(1.126)	327885	22.7969	22.80	
65 Pyrene	202		17.918	17.918	(0.900)	336878	16.8824	16.88	
\$ 66 Terphenyl-d14	244		18.222	18.222	(0.915)	305078	20.1913	20.19	
67 Butylbenzylphthalate	149		19.098	19.098	(0.959)	151593	19.4048	19.40	
68 Benzo(a)anthracene	228		19.878	19.878	(0.998)	352076	19.9791	19.98	
* 69 Chrysene-d12	240		19.910	19.905	(1.000)	317827	20.0000		
70 3,3'-Dichlorobenzidine	252		19.889	19.883	(0.999)	247782	46.9445	46.94	
71 Chrysene	228		19.948	19.947	(1.002)	306162	18.9120	18.91	
72 bis(2-Ethylhexyl)phthalate	149		20.086	20.086	(0.956)	193587	20.5484	20.55	
* 134 Di-n-octylphthalate-d4	153		21.021	21.021	(1.000)	407228	20.0000		
73 Di-n-octylphthalate	149		21.032	21.026	(1.000)	355557	20.9204	20.92	
74 Benzo(b)fluoranthene	252		21.539	21.539	(0.976)	391239	22.8324	22.83	
75 Benzo(k)fluoranthene	252		21.577	21.571	(0.977)	332845	19.3859	19.39	
76 Benzo(a)pyrene	252		21.993	21.988	(0.996)	326006	20.2739	20.27	
* 77 Perylene-d12	264		22.079	22.068	(1.000)	347106	20.0000		
78 Indeno(1,2,3-cd)pyrene	276		23.681	23.676	(1.073)	375697	15.9844	15.98	
79 Dibenzo(a,h)anthracene	278		23.702	23.702	(1.074)	315517	16.0475	16.05	
80 Benzo(g,h,i)perylene	276		24.135	24.135	(1.093)	286714	14.2224	14.22	
90 N-Nitrosodimethylamine	74		3.839	3.817	(0.462)	108164	54.6176	54.62	
103 Pyridine	79		3.801	3.769	(0.458)	3981	1.06801	1.068	
105 1-methylnaphthalene	141		11.669	11.669	(1.127)	113383	18.8188	18.82	
111 Azobenzene (1,2-DP-Hydrazine)	77		14.350	14.345	(0.921)	145218	18.4750	18.47	
187 Total Benzofluoranthenes	252		21.577	21.571	(0.977)	689039	42.2563	42.26	
144 alpha-Terpineol	59		Compound Not Detected.						

Compounds	QUANT SIG	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS	
	MASS					ON-COLUMN	FINAL
=====	=====	=====	=====	=====	=====	=====	

ARI Labs, Inc.

INTERNAL STANDARD COMPOUNDS
 AREA AND RT SUMMARY

Instrument ID: nt6.i Calibration Date: 22-JUN-2022
 Lab File ID: NT622062210.D Calibration Time: 10:58
 Lab Smp Id: BKF0450-BS1
 Analysis Type: SV Level:
 Quant Type: ISTD Sample Type:
 Operator: JZ
 Method File: \\target\share\chem3\nt6.i\20220622.b\SW84620220516.m
 Misc Info: 22-

Test Mode:
 Use Last Continuing Calibrator.

COMPOUND	STANDARD	AREA LIMIT		SAMPLE	%DIFF
		LOWER	UPPER		
8 1,4-Dichlorobenze	56102	28051	112204	78481	39.89
27 Naphthalene-d8	190364	95182	380728	265970	39.72
42 Acenaphthene-d10	122124	61062	244248	166849	36.62
59 Phenanthrene-d10	231281	115641	462562	308733	33.49
69 Chrysene-d12	202750	101375	405500	317827	56.76
134 Di-n-octylphthala	284466	142233	568932	407228	43.16
77 Perylene-d12	214859	107430	429718	347106	61.55

COMPOUND	STANDARD	RT LIMIT		SAMPLE	%DIFF
		LOWER	UPPER		
8 1,4-Dichlorobenze	8.31	7.81	8.81	8.31	0.00
27 Naphthalene-d8	10.35	9.85	10.85	10.35	0.00
42 Acenaphthene-d10	13.21	12.71	13.71	13.21	0.04
59 Phenanthrene-d10	15.58	15.08	16.08	15.59	0.03
69 Chrysene-d12	19.91	19.41	20.41	19.91	0.03
134 Di-n-octylphthala	21.02	20.52	21.52	21.02	0.00
77 Perylene-d12	22.07	21.57	22.57	22.08	0.05

AREA UPPER LIMIT = +100% of internal standard area.
 AREA LOWER LIMIT = - 50% of internal standard area.
 RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
 RT LOWER LIMIT = - 0.50 minutes of internal standard RT.

REVIEW SUMMARY FOR FILE - NT622062210.D

Lab ID: BKF0450-BS1
nt6.i, SW84620220516.m, 22-JUN-2022 16:12

RT CO-ELUTION COMPOUNDS

NO CO-ELUTIONS

Quant Method: ICAL

No RRT check performed

On Column LOD for nt6.i, SW84620220516.m, LLMDL.sub = 0.2000

* Only compounds listed in the work order have been verified by the analyst *

Data File: \\target\share\chem3\nt6.1\20220622.1\NT622062211.D

Date: 22-JUN-2022 16:45

Client ID:

Sample Info: BKF0450-BSM1,

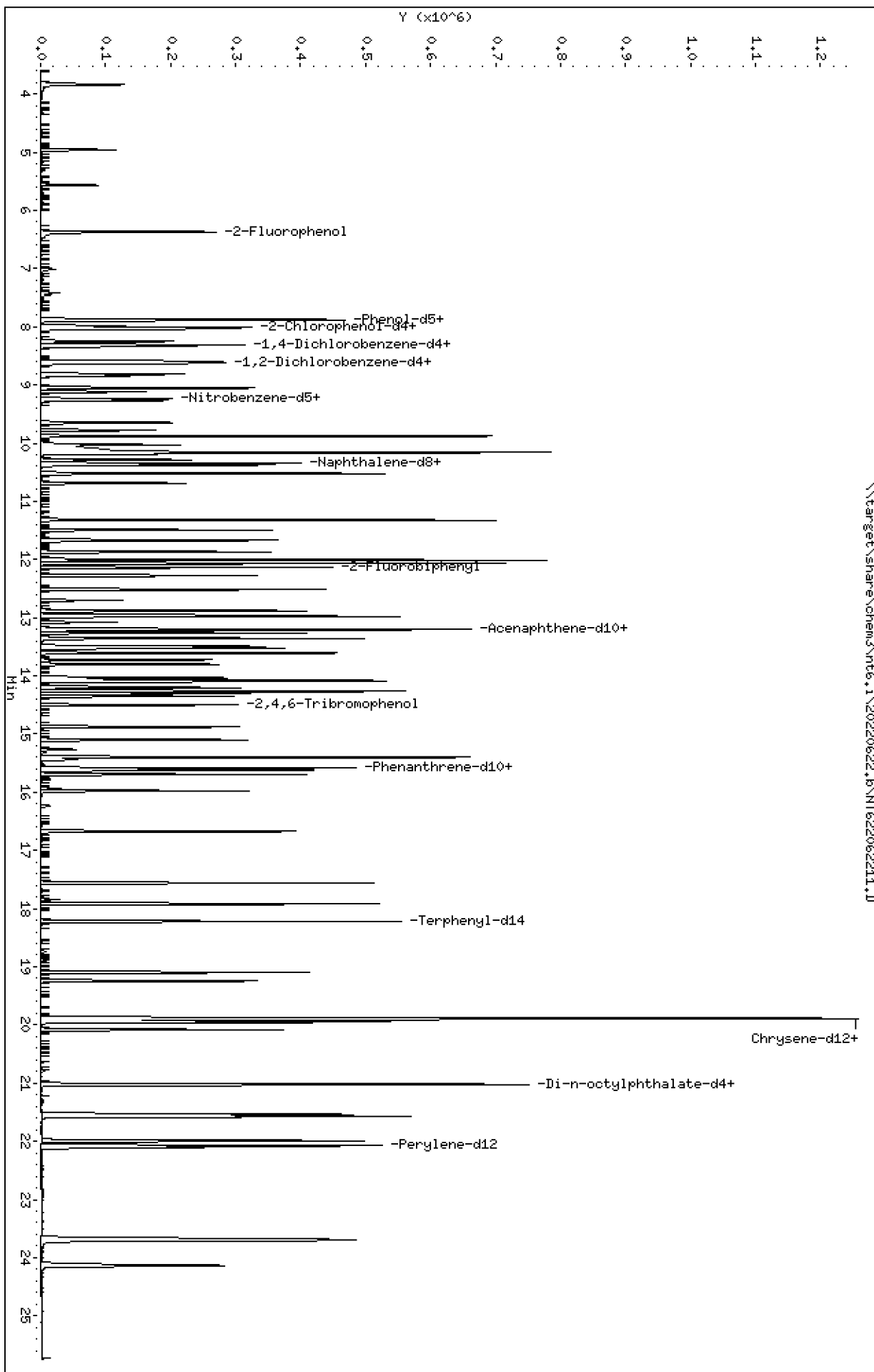
Column phase: ZB-5msi

Instrument: nt6.1

Operator: JZ

Column diameter: 0.32

\\target\share\chem3\nt6.1\20220622.1\NT622062211.D



Date : 22-JUN-2022 16:45

Client ID:

Instrument: nt6.i

Sample Info: BKF0450-BSD1,

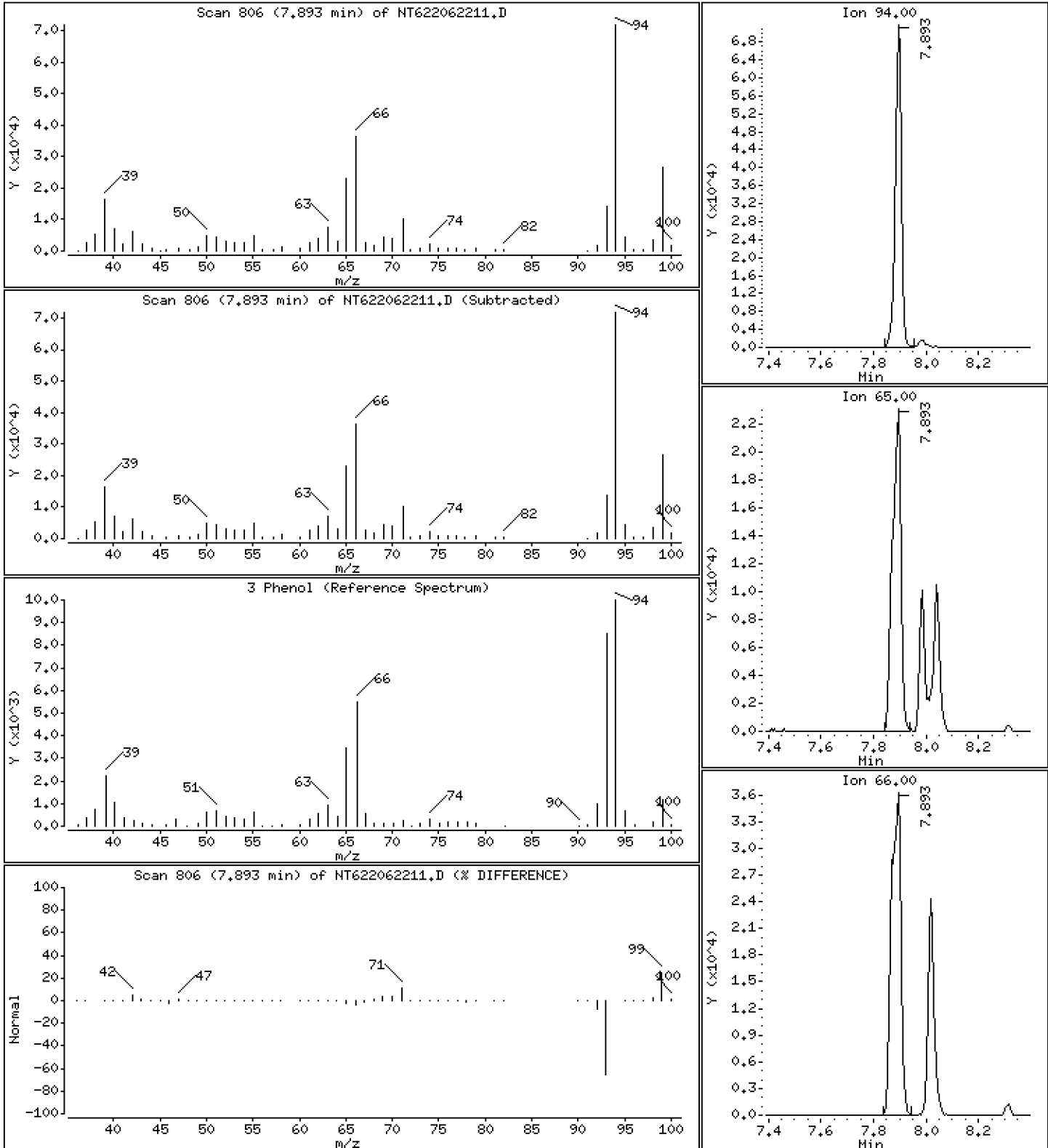
Operator: JZ

Column phase: ZB-5msi

Column diameter: 0.32

3 Phenol

Concentration: 17.62 ug/mL



Date : 22-JUN-2022 16:45

Client ID:

Instrument: nt6.i

Sample Info: BKF0450-BSD1,

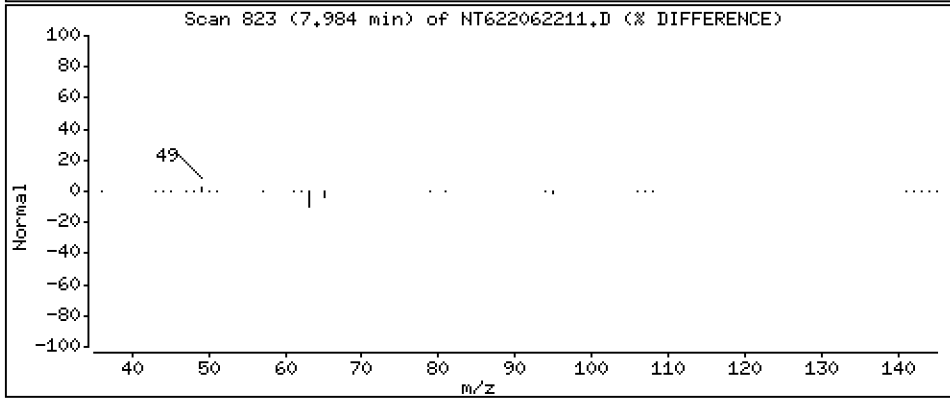
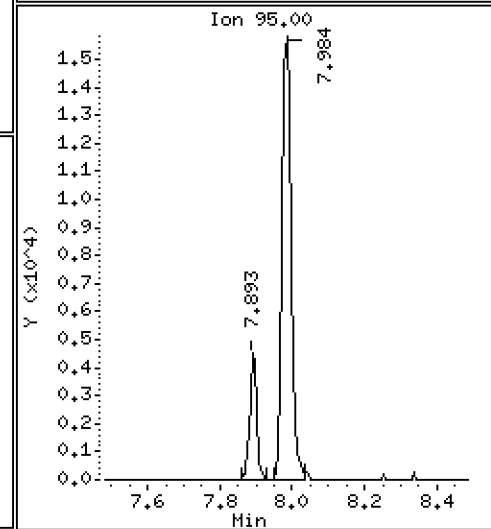
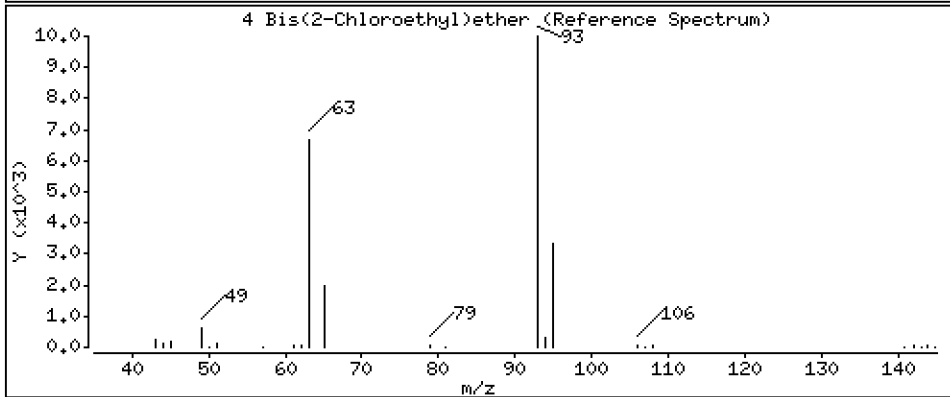
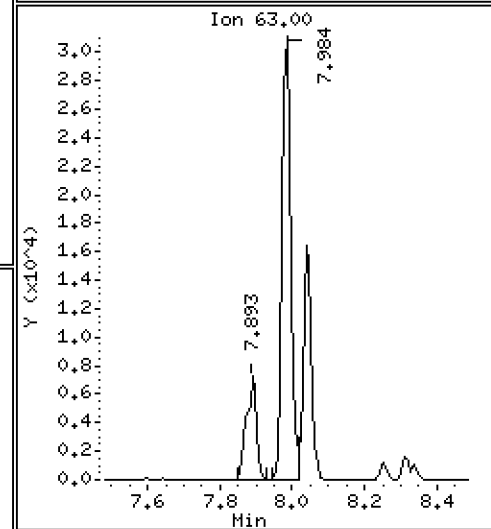
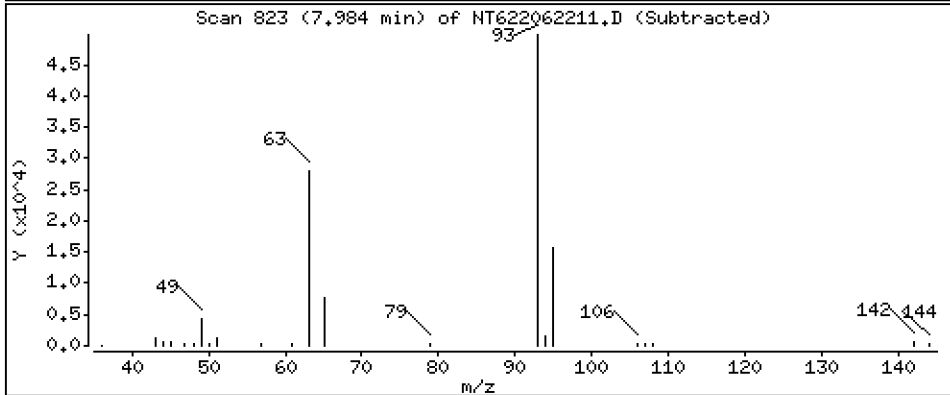
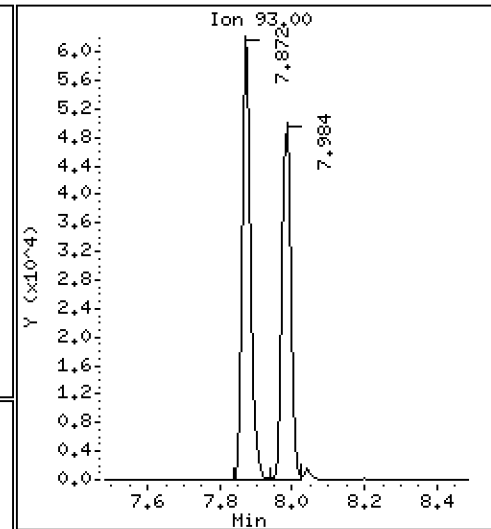
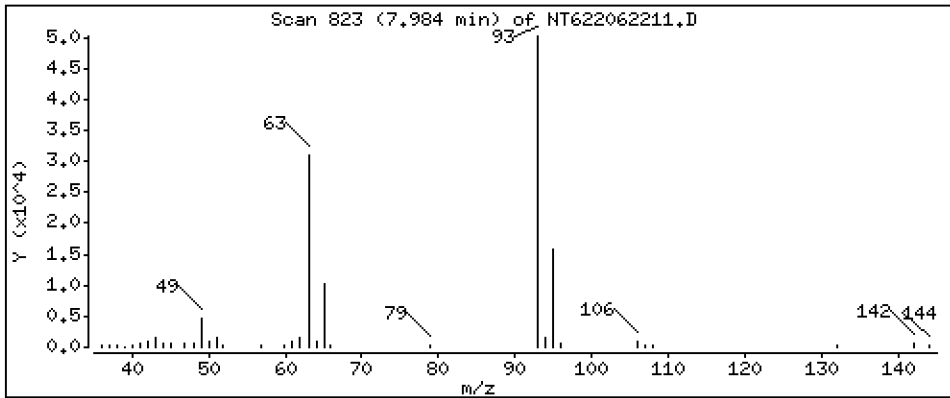
Operator: JZ

Column phase: ZB-5msi

Column diameter: 0.32

4 Bis(2-Chloroethyl)ether

Concentration: 21.84 ug/mL



Date : 22-JUN-2022 16:45

Client ID:

Instrument: nt6.i

Sample Info: BKF0450-BSD1,

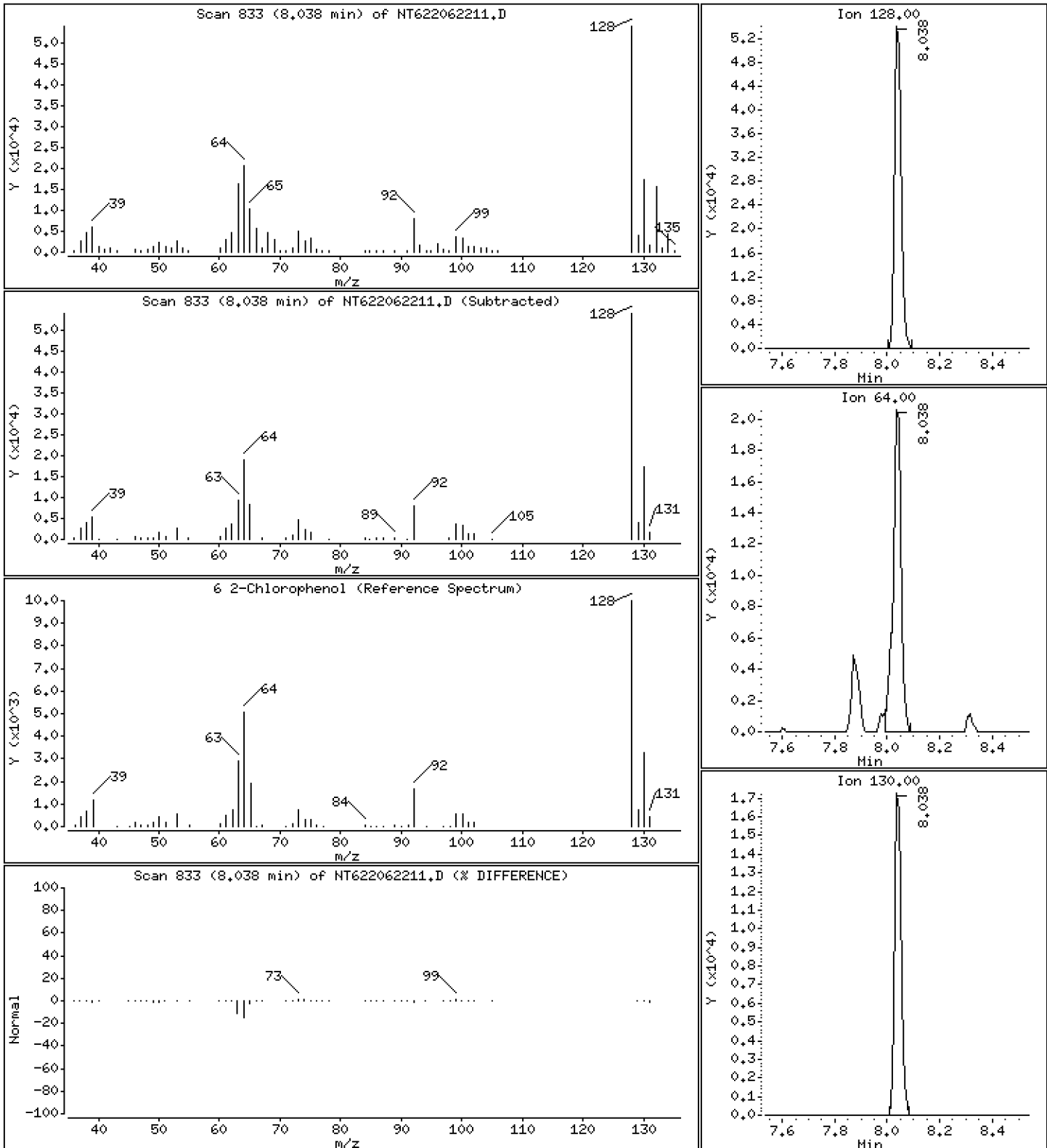
Operator: JZ

Column phase: ZB-5msi

Column diameter: 0.32

6 2-Chlorophenol

Concentration: 17.85 ug/mL



Date : 22-JUN-2022 16:45

Client ID:

Instrument: nt6.i

Sample Info: BKF0450-BSD1,

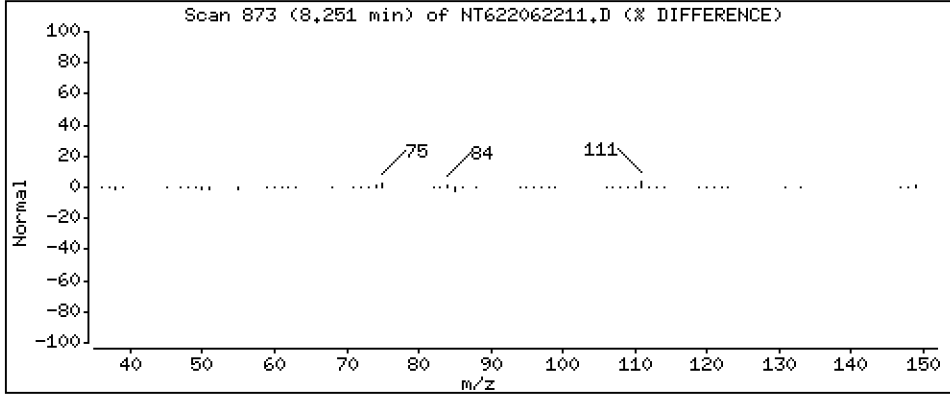
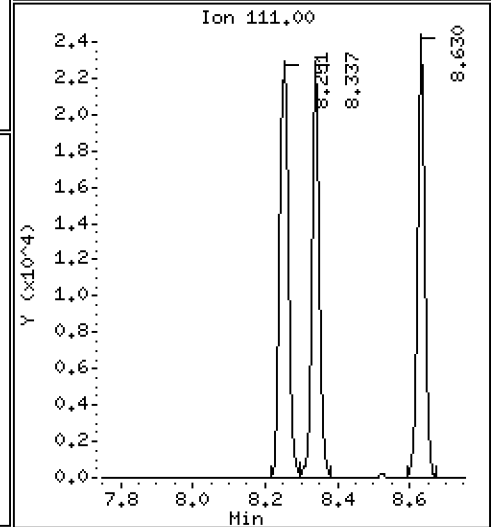
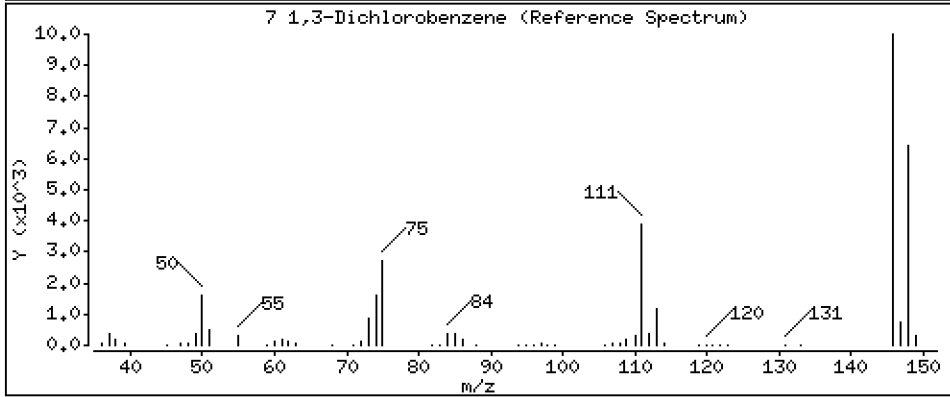
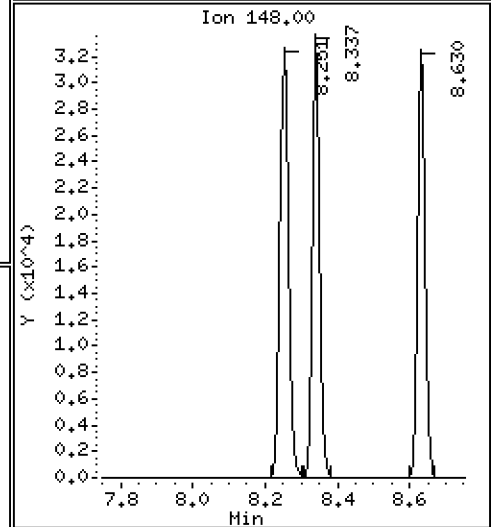
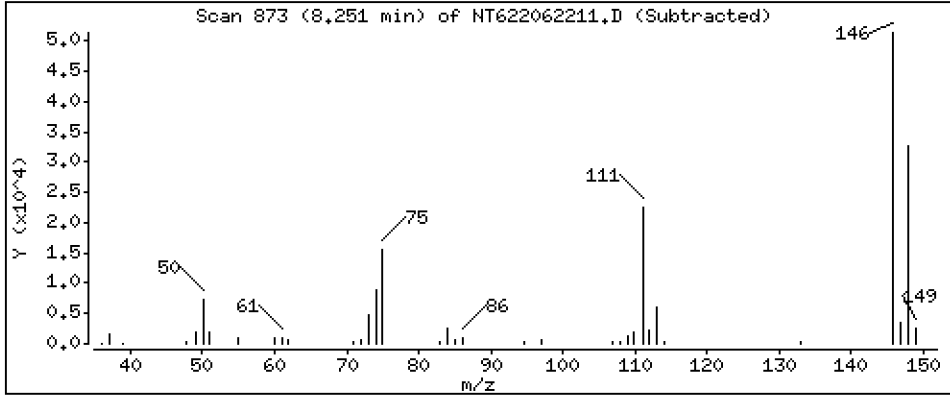
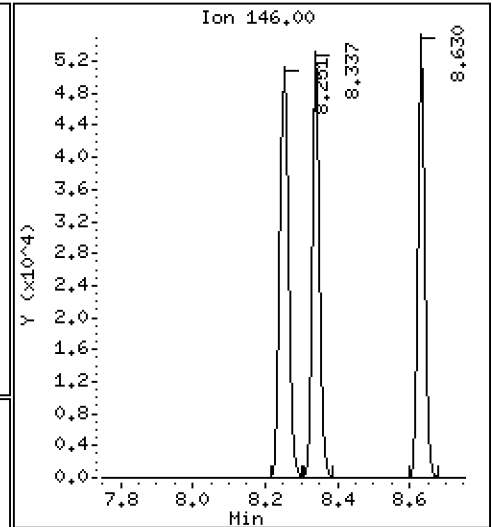
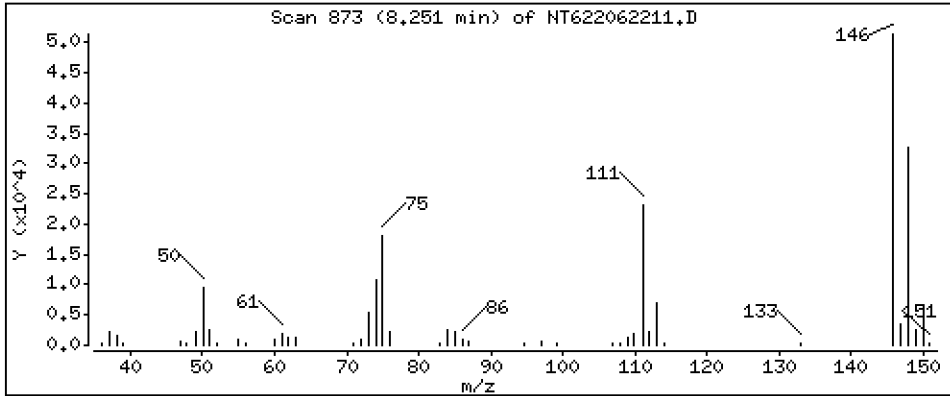
Operator: JZ

Column phase: ZB-5msi

Column diameter: 0,32

7 1,3-Dichlorobenzene

Concentration: 15,86 ug/mL



Date : 22-JUN-2022 16:45

Client ID:

Instrument: nt6.i

Sample Info: BKF0450-BSD1,

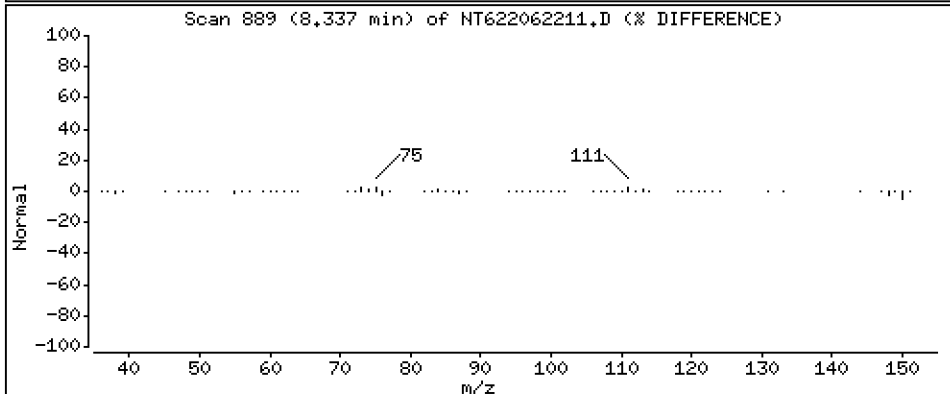
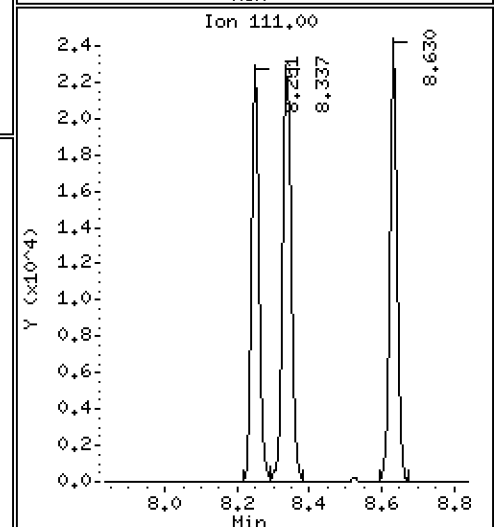
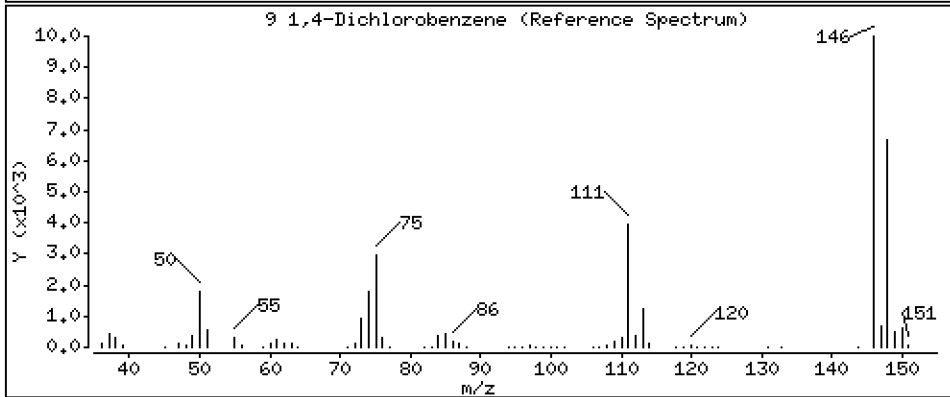
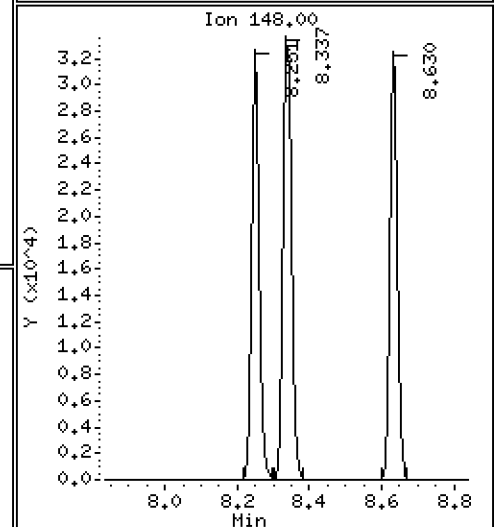
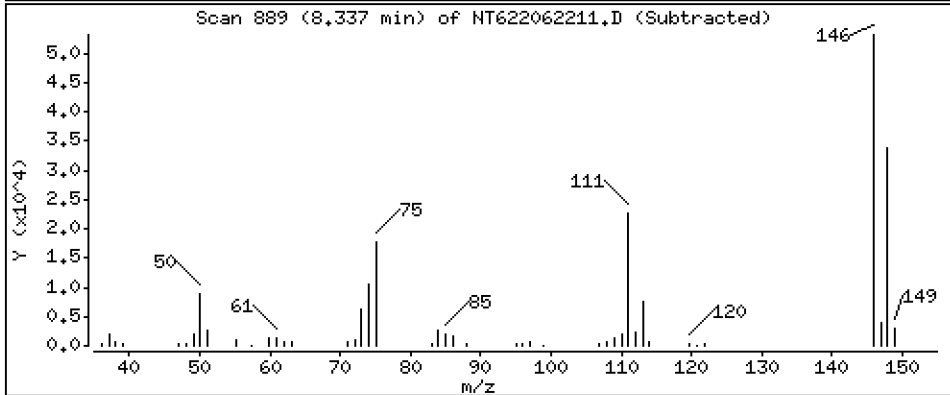
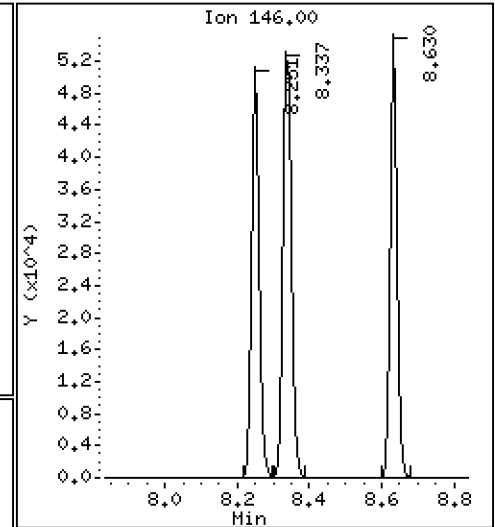
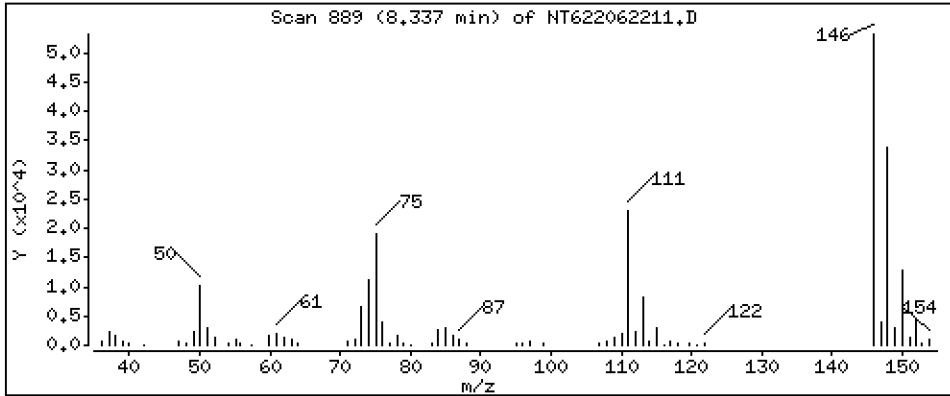
Operator: JZ

Column phase: ZB-5msi

Column diameter: 0.32

9 1,4-Dichlorobenzene

Concentration: 16.02 ug/mL



Date : 22-JUN-2022 16:45

Client ID:

Instrument: nt6.i

Sample Info: BKF0450-BSD1,

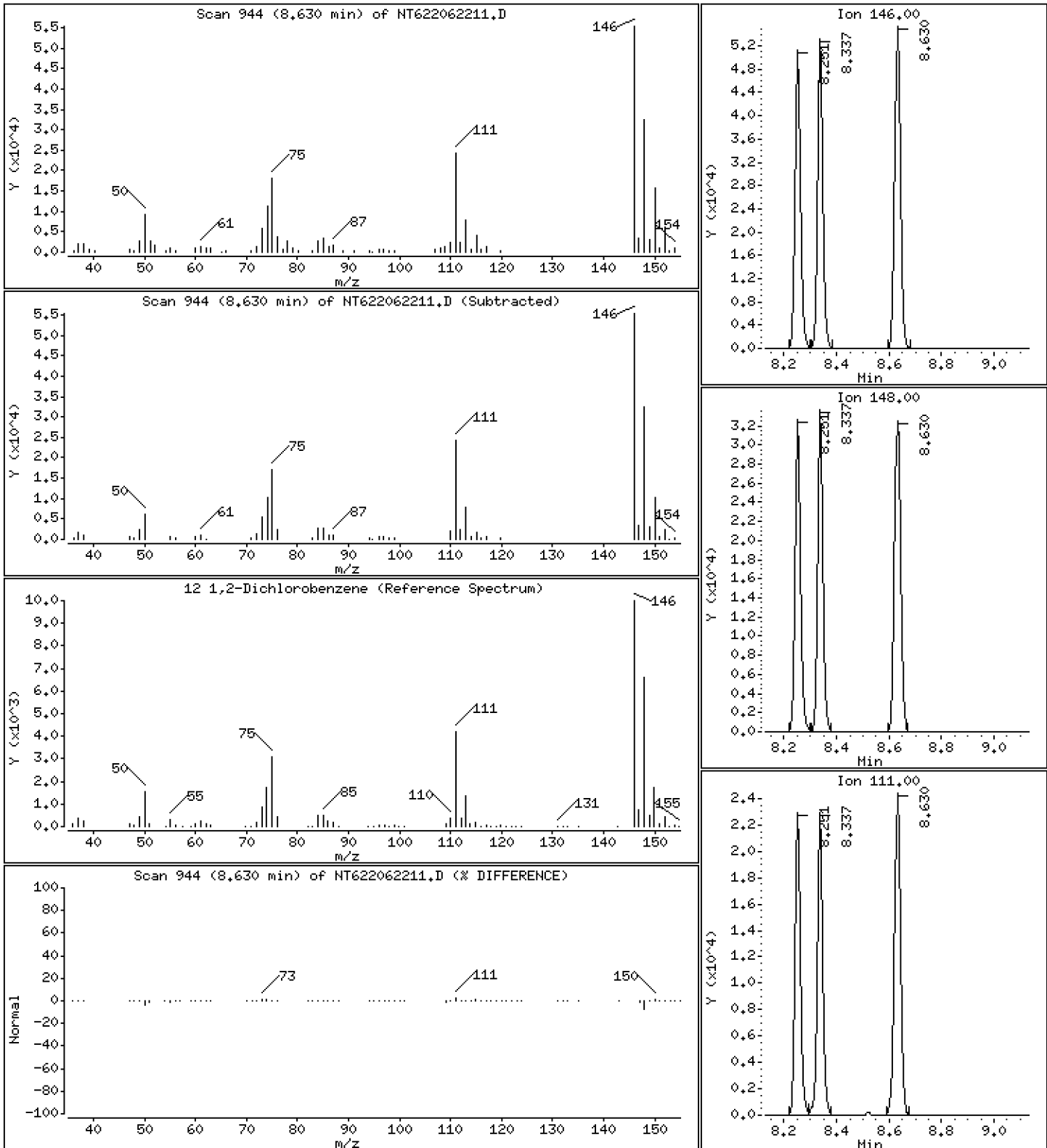
Operator: JZ

Column phase: ZB-5msi

Column diameter: 0.32

12 1,2-Dichlorobenzene

Concentration: 16.61 ug/mL



Date : 22-JUN-2022 16:45

Client ID:

Instrument: nt6.i

Sample Info: BKF0450-BSD1,

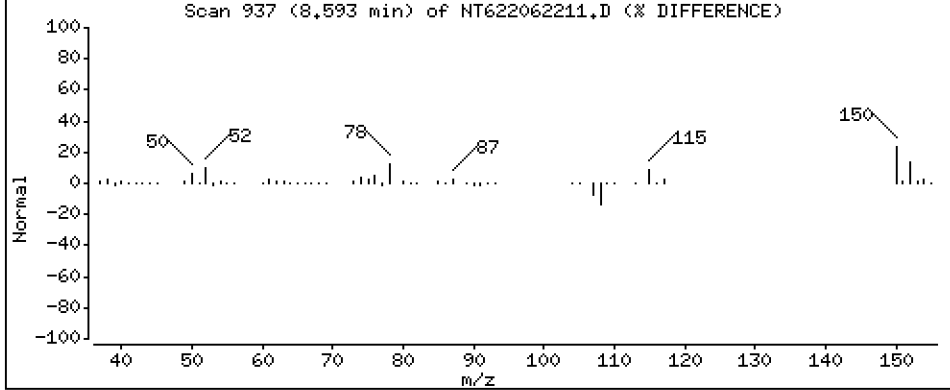
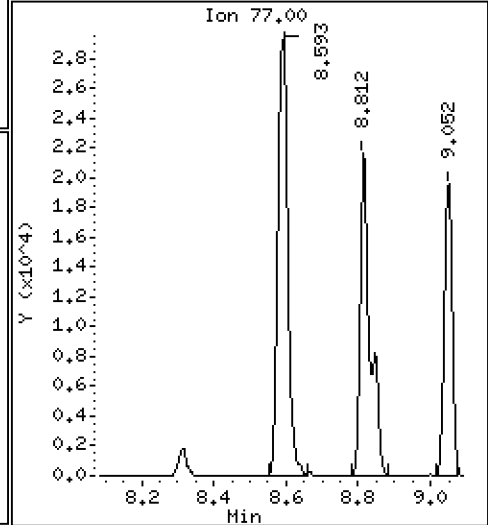
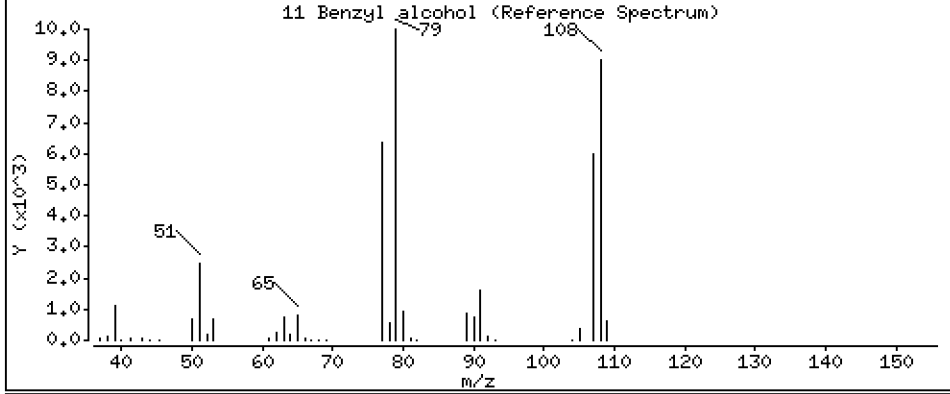
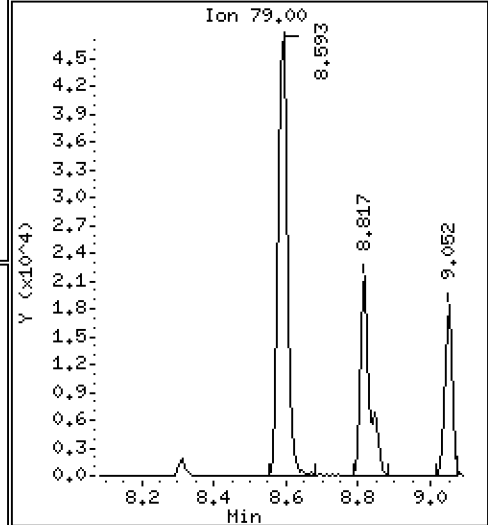
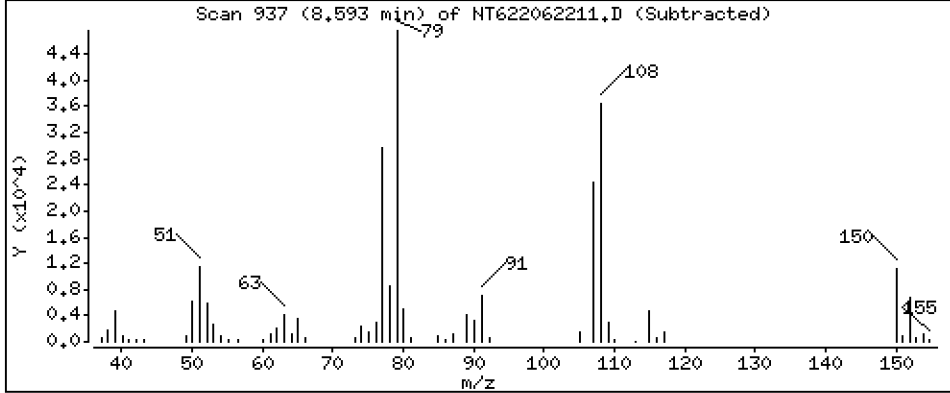
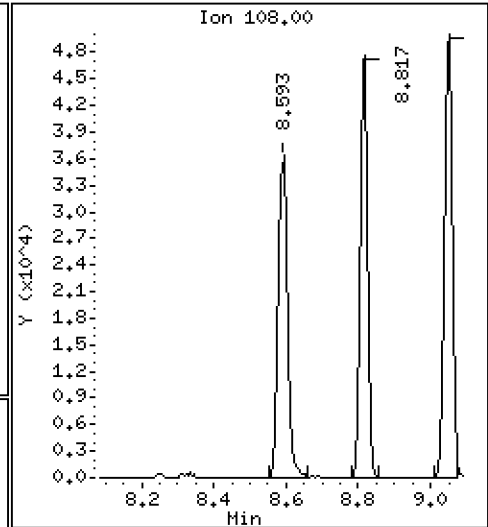
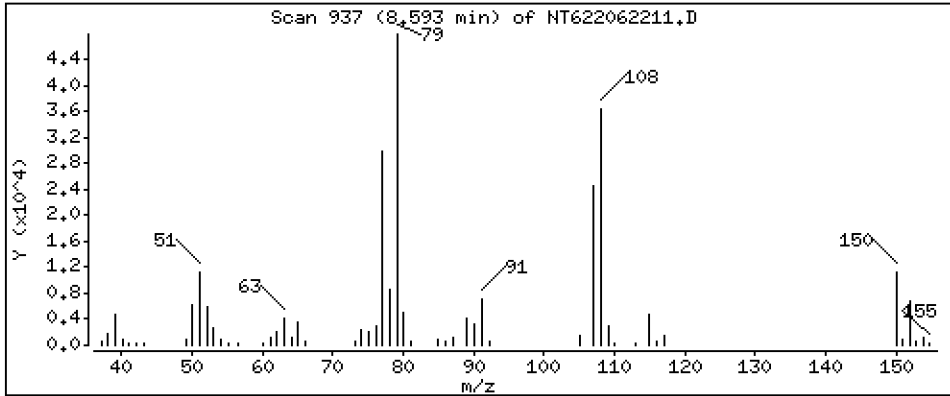
Operator: JZ

Column phase: ZB-5msi

Column diameter: 0.32

11 Benzyl alcohol

Concentration: 21.81 ug/mL



Date : 22-JUN-2022 16:45

Client ID:

Instrument: nt6.i

Sample Info: BKF0450-BSD1,

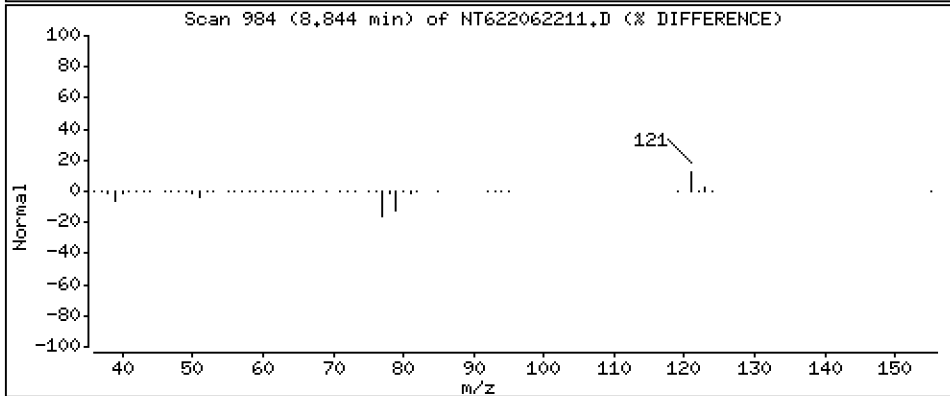
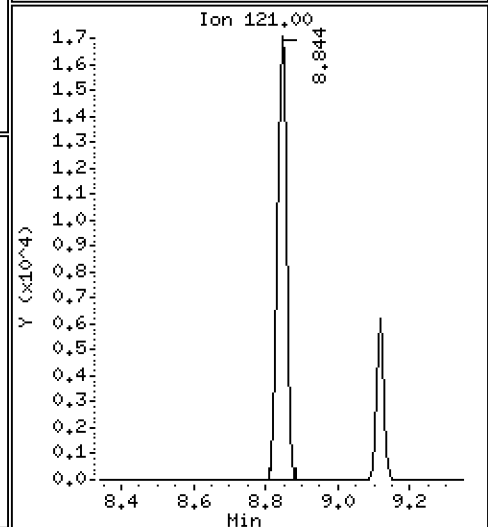
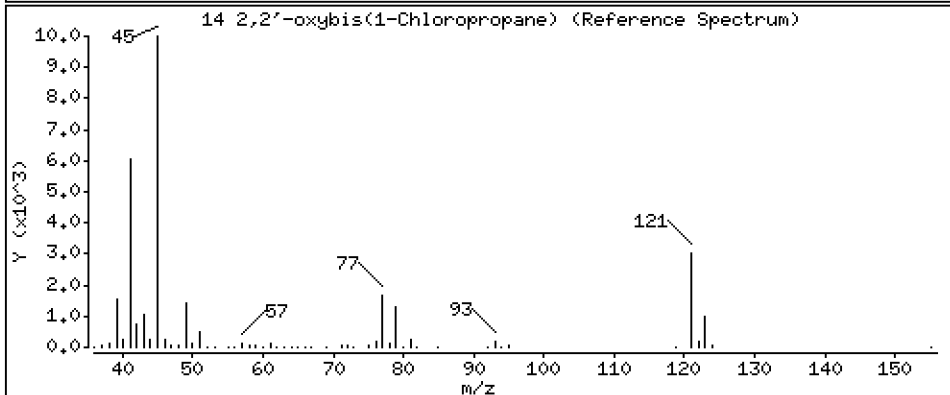
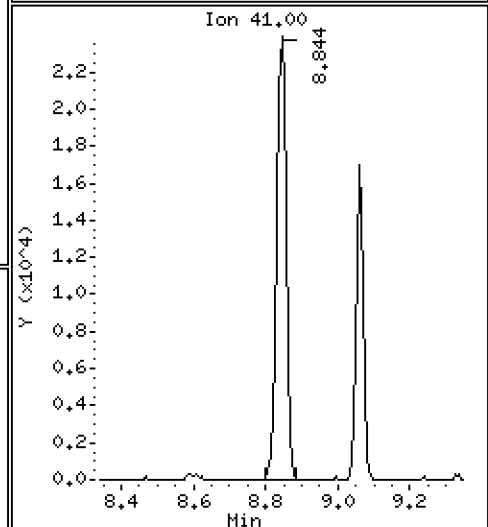
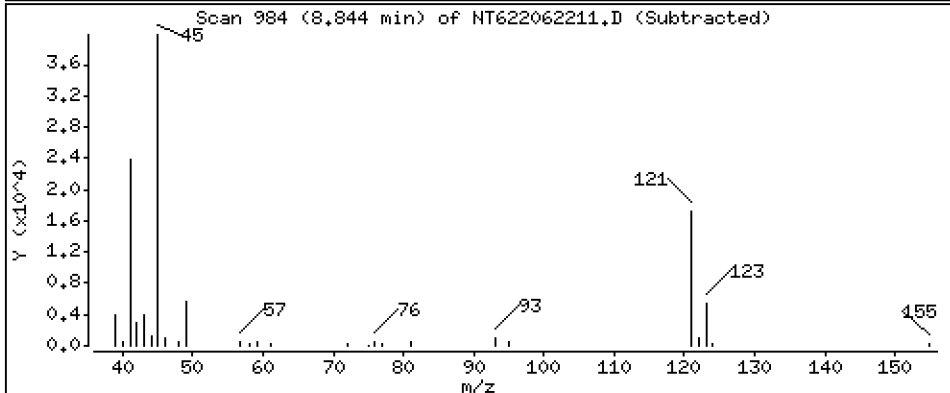
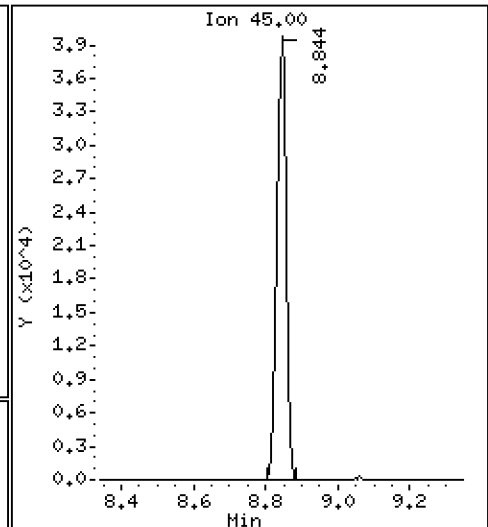
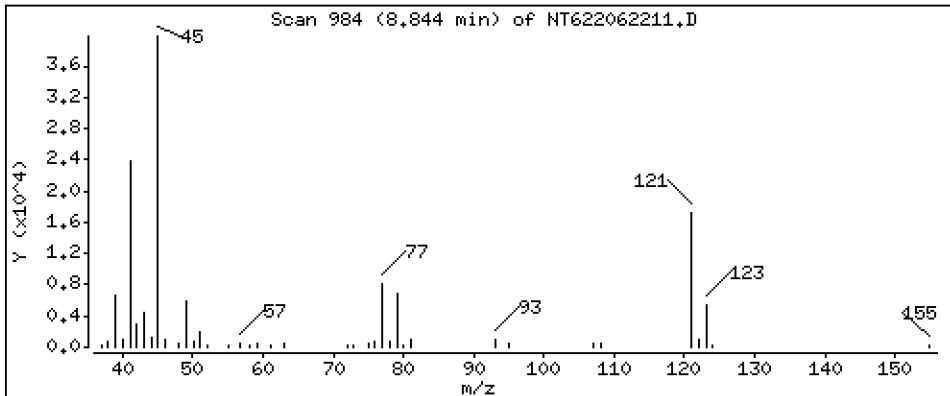
Operator: JZ

Column phase: ZB-5msi

Column diameter: 0.32

14 2,2'-oxybis(1-Chloropropane)

Concentration: 23.79 ug/mL



Date : 22-JUN-2022 16:45

Client ID:

Instrument: nt6.i

Sample Info: BKF0450-BSD1,

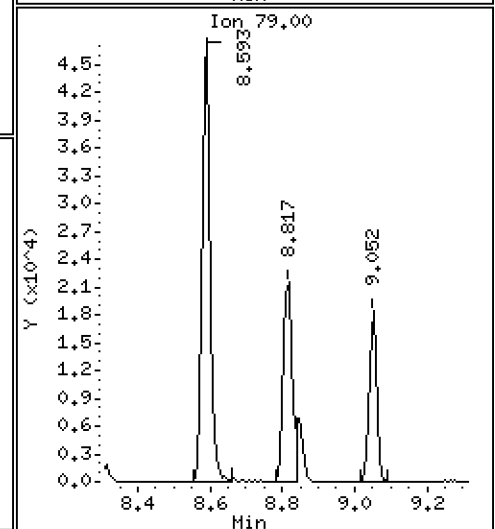
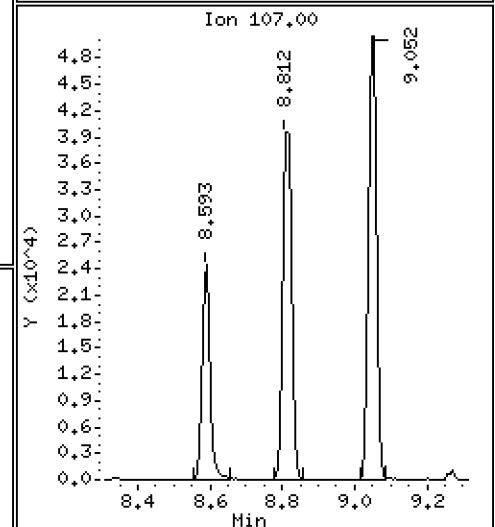
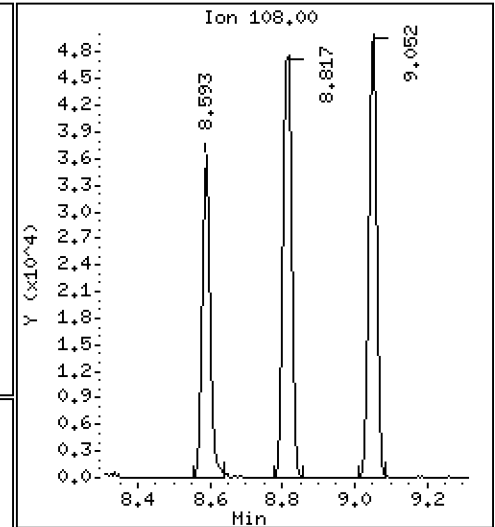
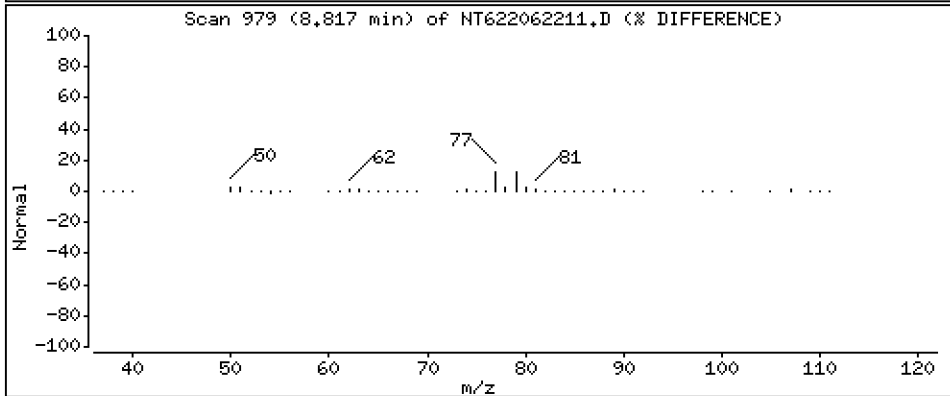
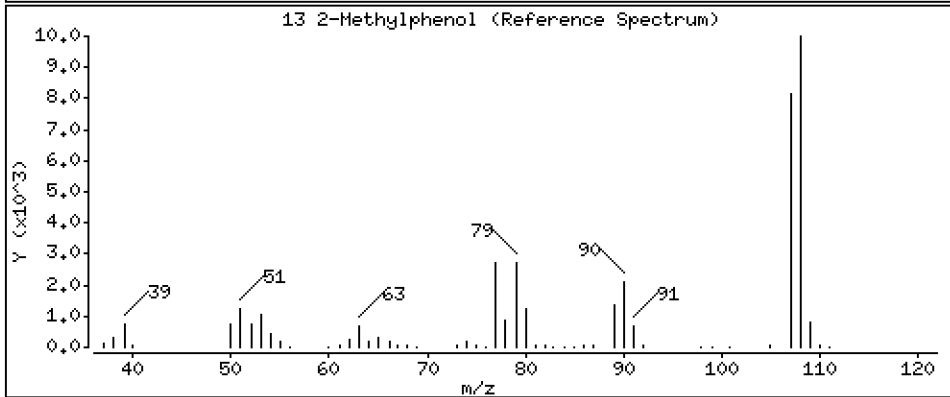
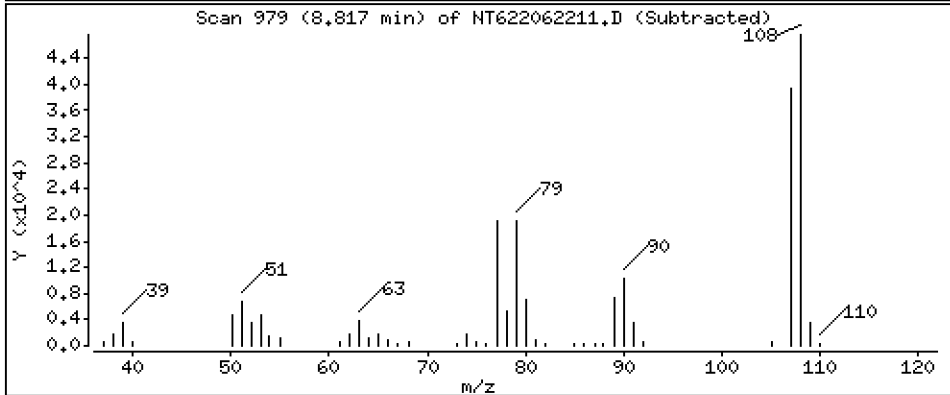
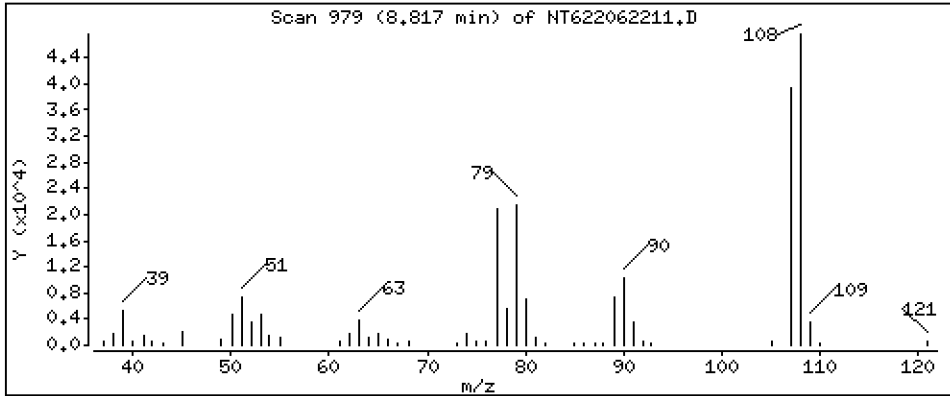
Operator: JZ

Column phase: ZB-5msi

Column diameter: 0.32

13 2-Methylphenol

Concentration: 18.00 ug/mL



Date : 22-JUN-2022 16:45

Client ID:

Instrument: nt6.i

Sample Info: BKF0450-BSD1,

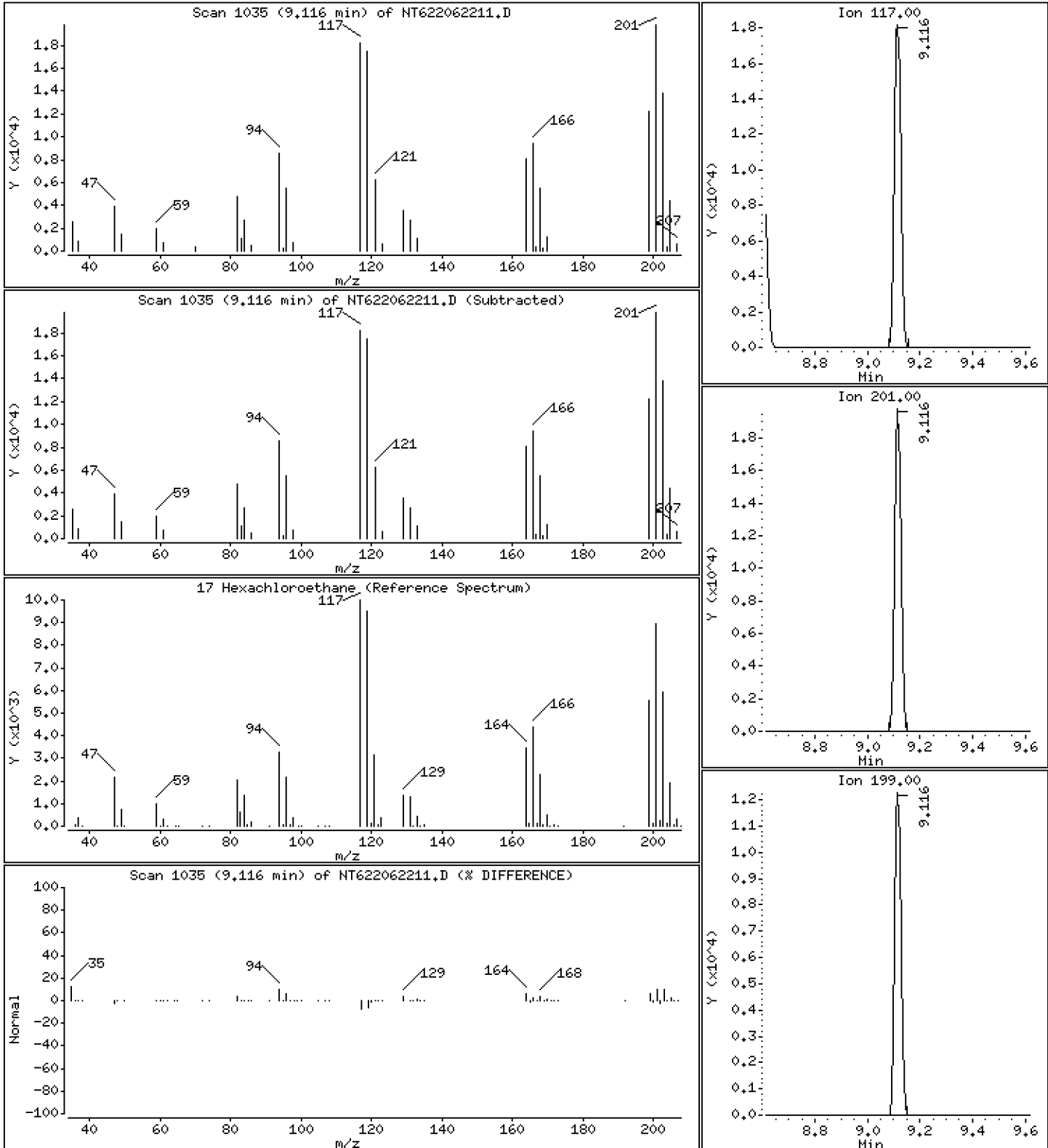
Operator: JZ

Column phase: ZB-5msi

Column diameter: 0.32

17 Hexachloroethane

Concentration: 14.91 ug/mL



Date : 22-JUN-2022 16:45

Client ID:

Instrument: nt6.i

Sample Info: BKF0450-BSD1,

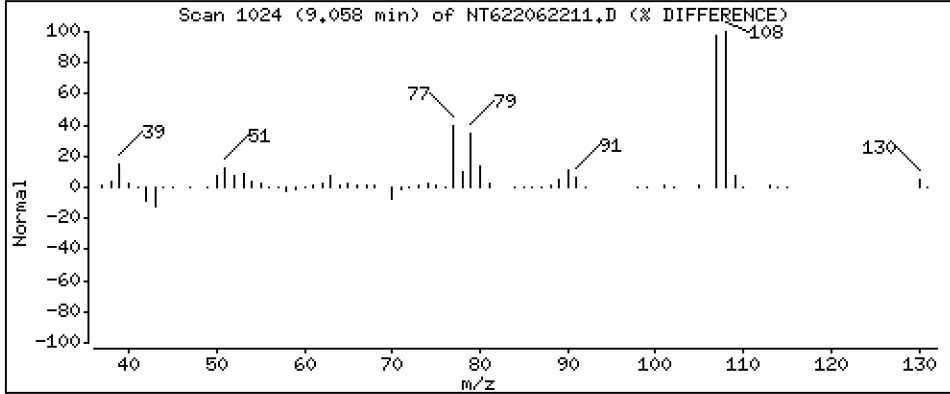
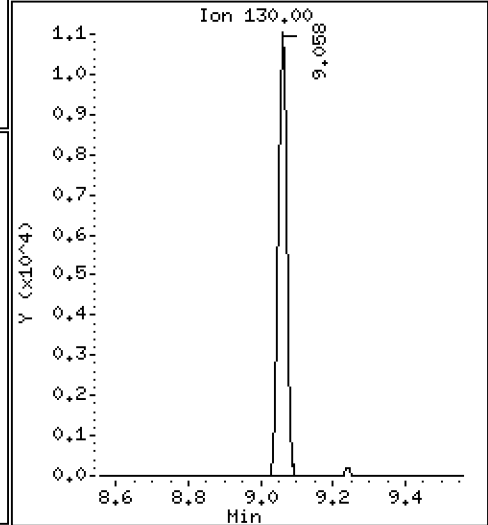
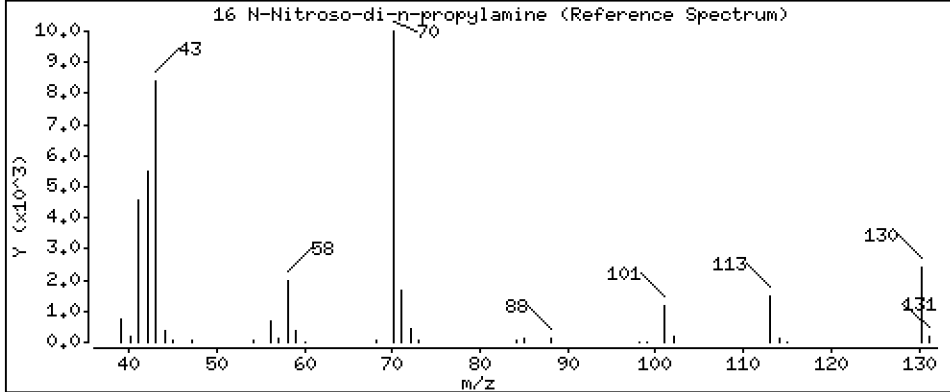
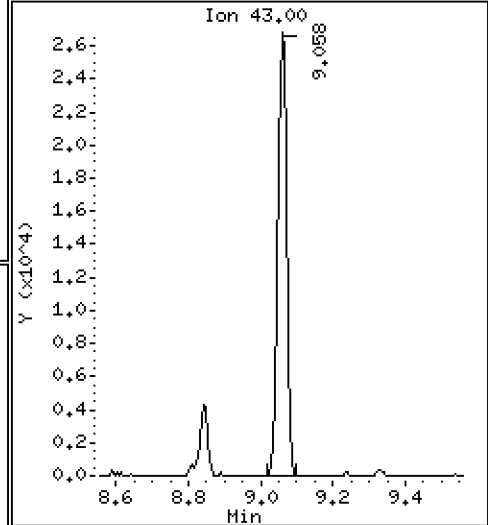
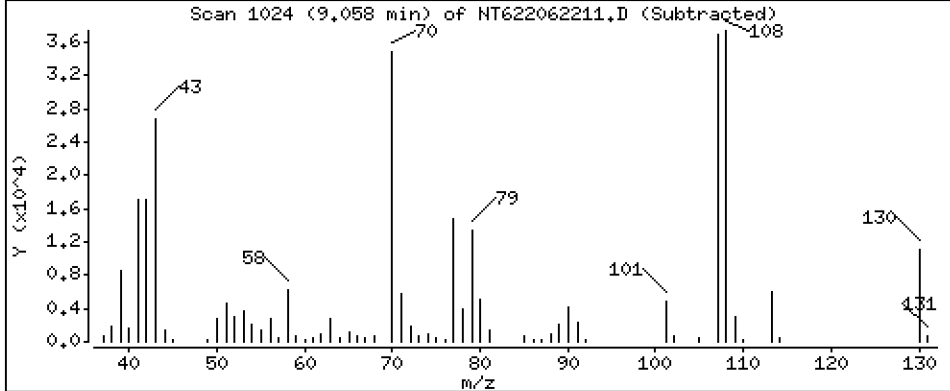
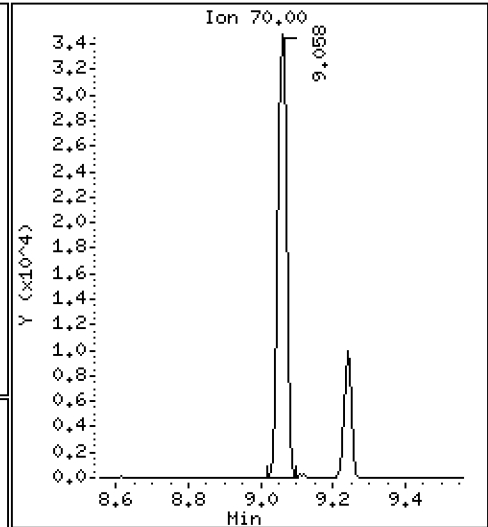
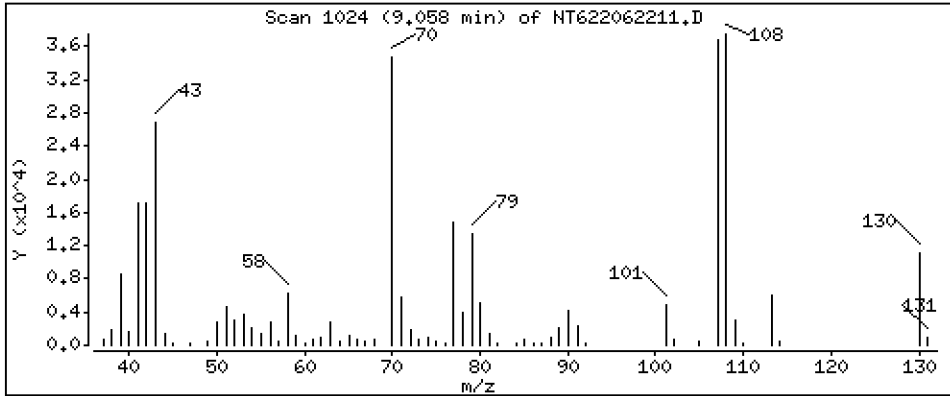
Operator: JZ

Column phase: ZB-5msi

Column diameter: 0.32

16 N-Nitroso-di-n-propylamine

Concentration: 20.57 ug/mL



Date : 22-JUN-2022 16:45

Client ID:

Instrument: nt6.i

Sample Info: BKF0450-BSD1,

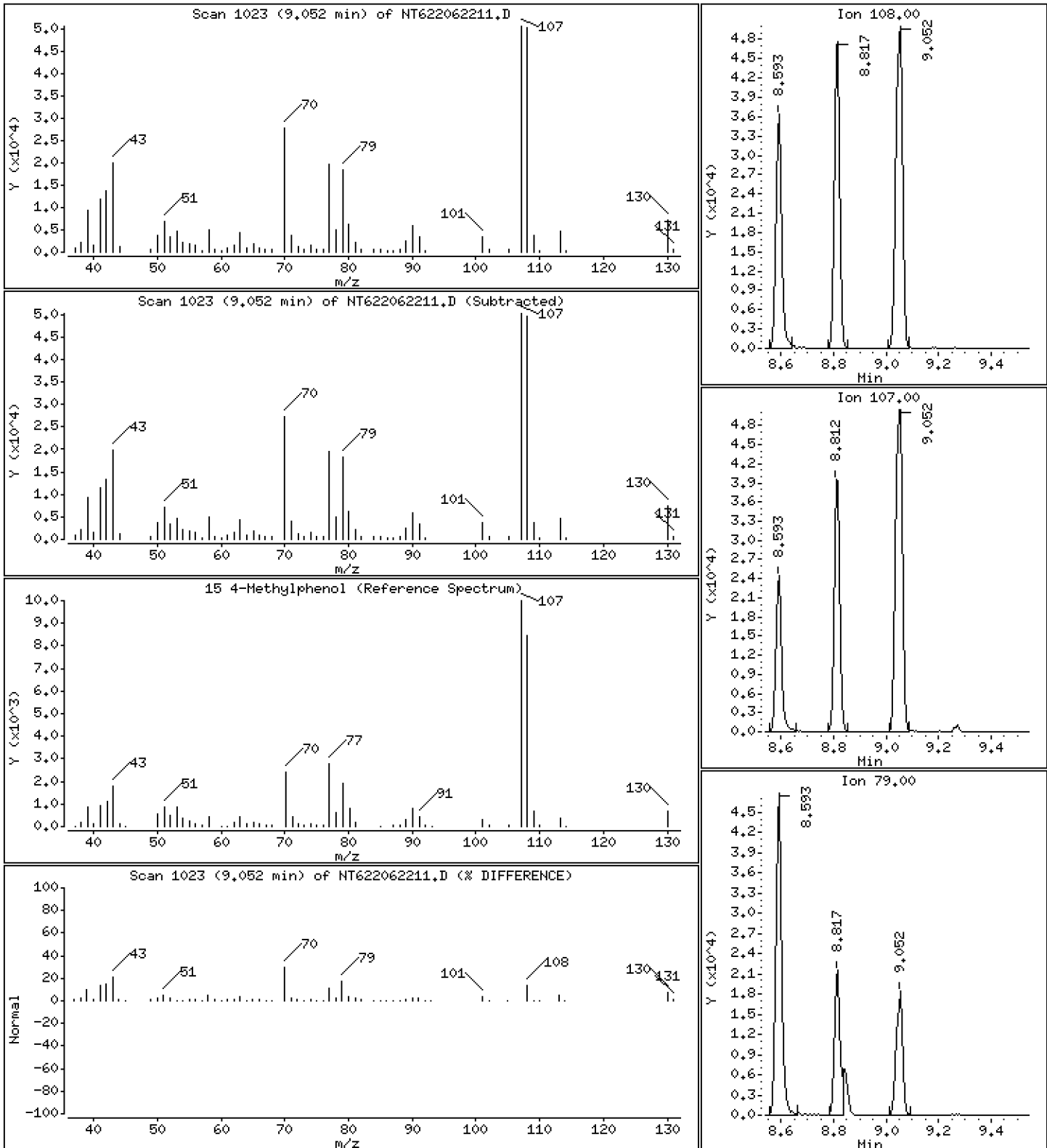
Operator: JZ

Column phase: ZB-5msi

Column diameter: 0.32

15 4-Methylphenol

Concentration: 19.28 ug/mL



Date : 22-JUN-2022 16:45

Client ID:

Instrument: nt6.i

Sample Info: BKF0450-BSD1,

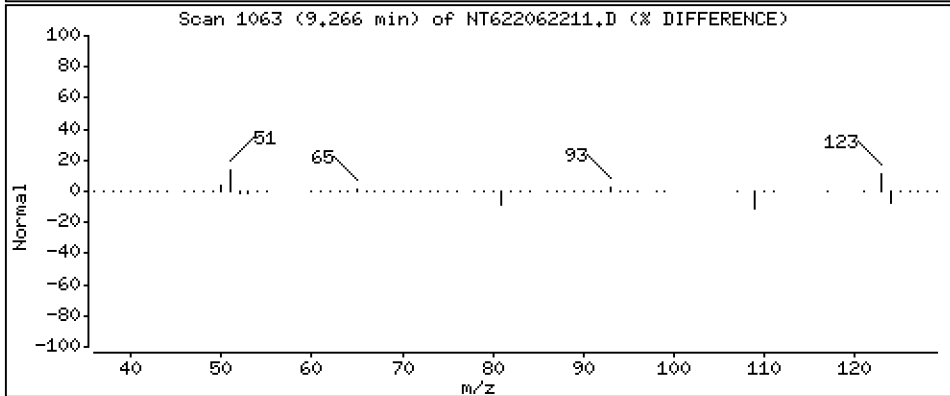
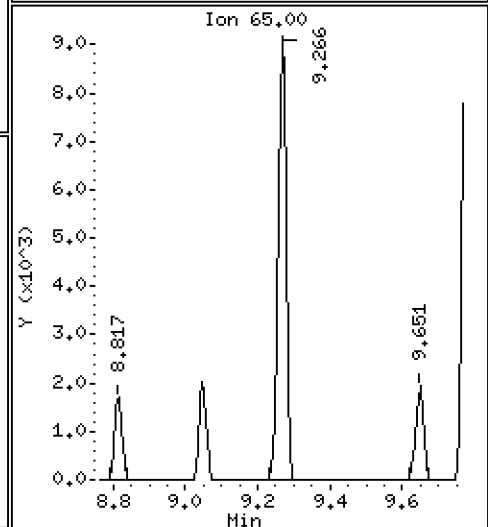
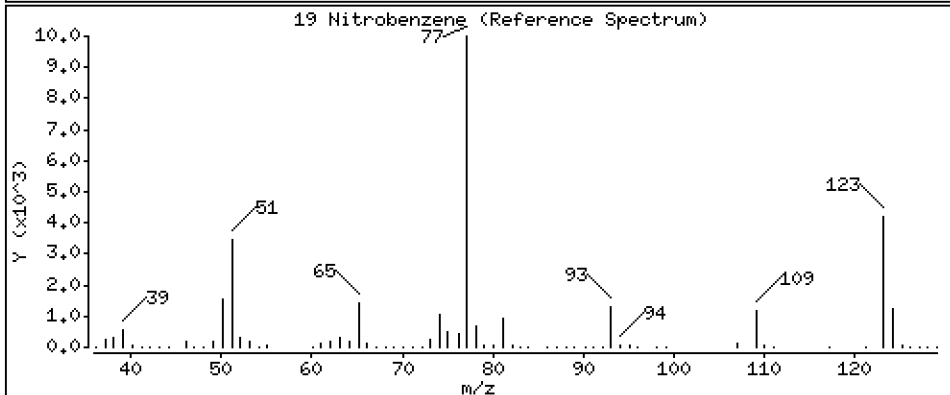
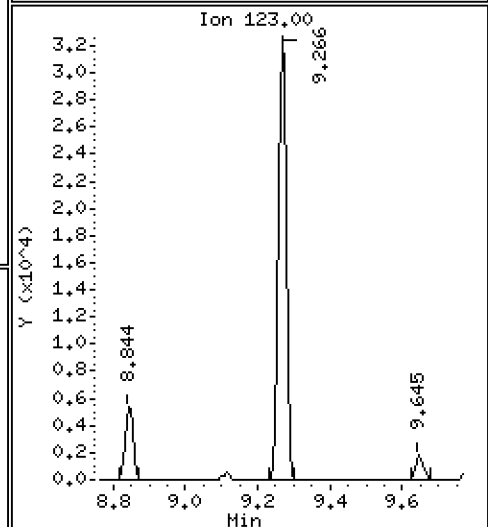
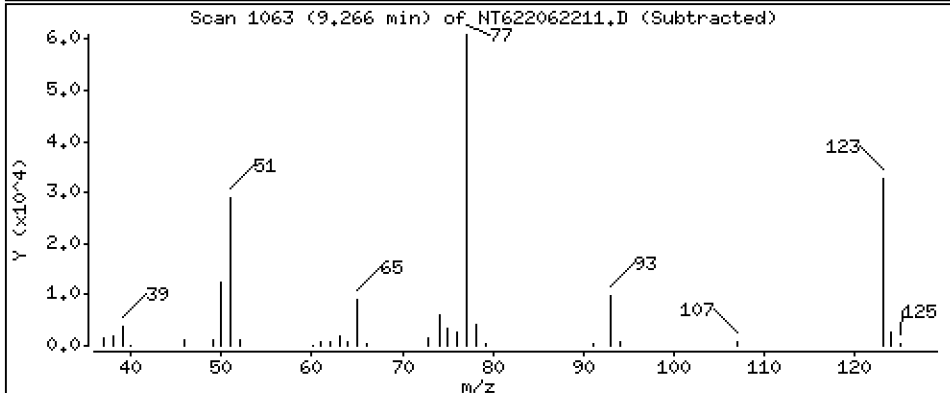
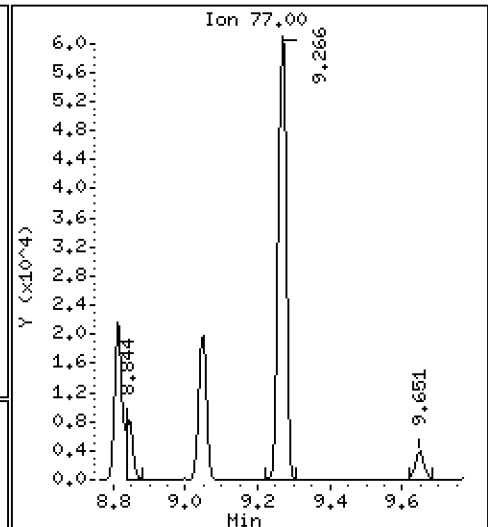
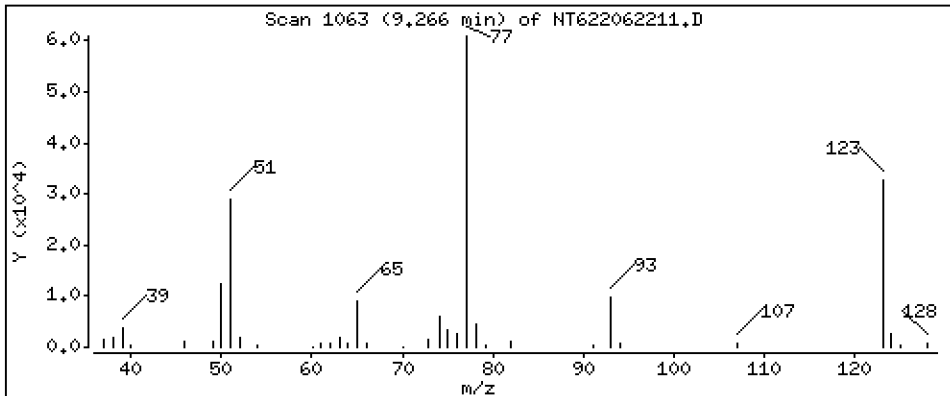
Operator: JZ

Column phase: ZB-5msi

Column diameter: 0.32

19 Nitrobenzene

Concentration: 21.00 ug/mL



Date : 22-JUN-2022 16:45

Client ID:

Instrument: nt6.i

Sample Info: BKF0450-BSD1,

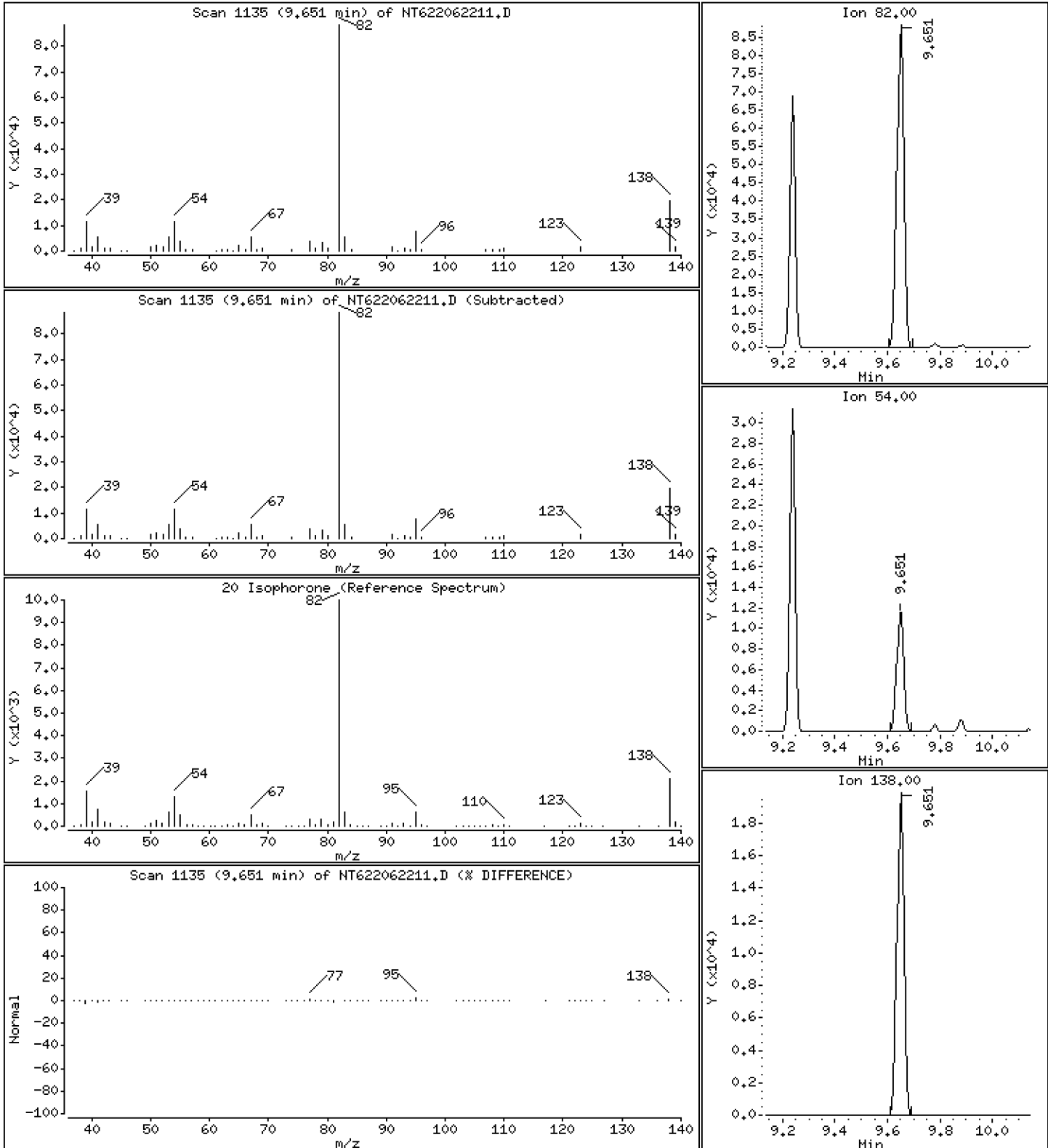
Operator: JZ

Column phase: ZB-5msi

Column diameter: 0.32

20 Isophorone

Concentration: 30.95 ug/mL



Date : 22-JUN-2022 16:45

Client ID:

Instrument: nt6.i

Sample Info: BKF0450-BSD1,

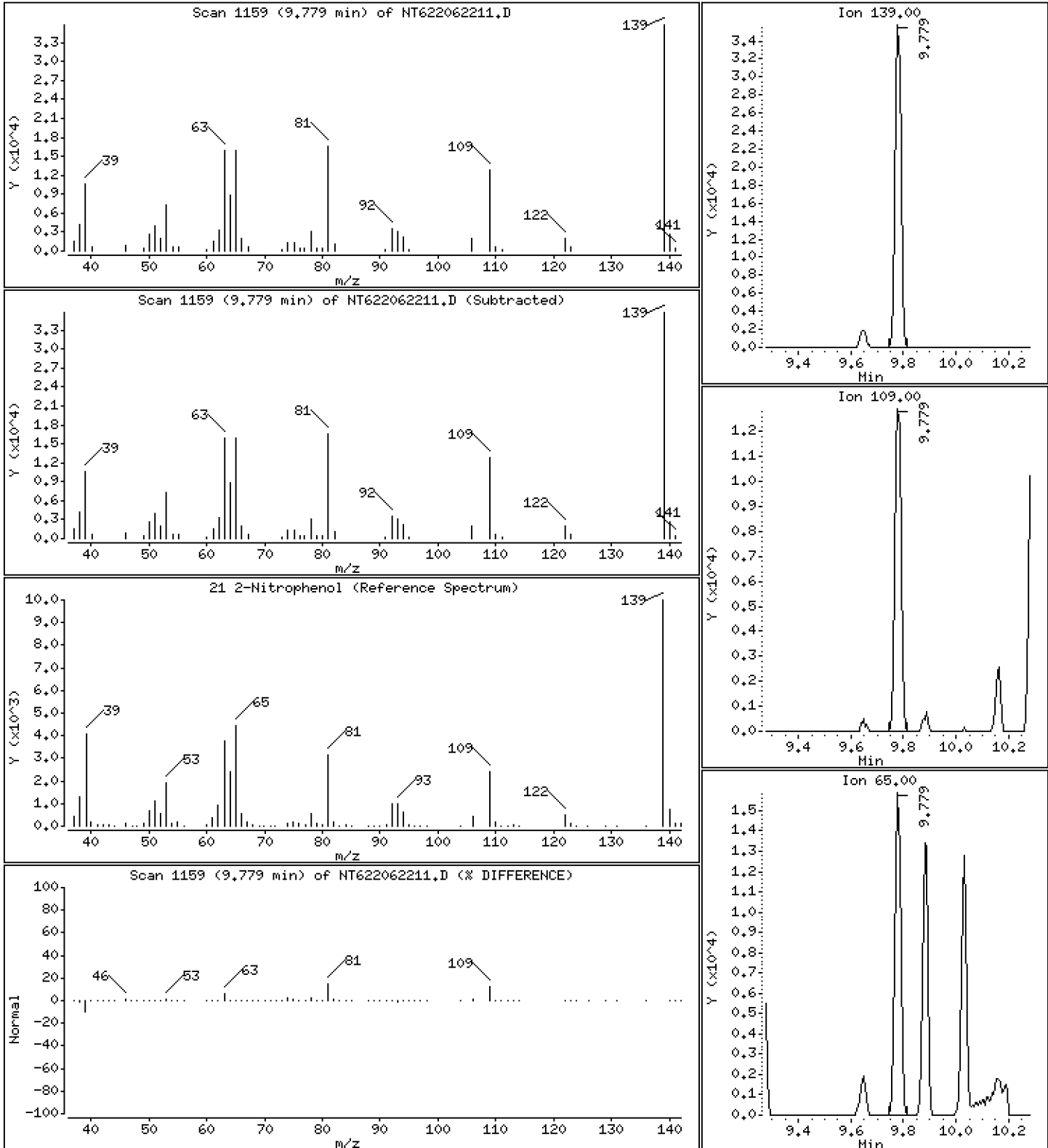
Operator: JZ

Column phase: ZB-5msi

Column diameter: 0.32

21 2-Nitrophenol

Concentration: 20.06 ug/mL



Date : 22-JUN-2022 16:45

Client ID:

Instrument: nt6.i

Sample Info: BKF0450-BSD1,

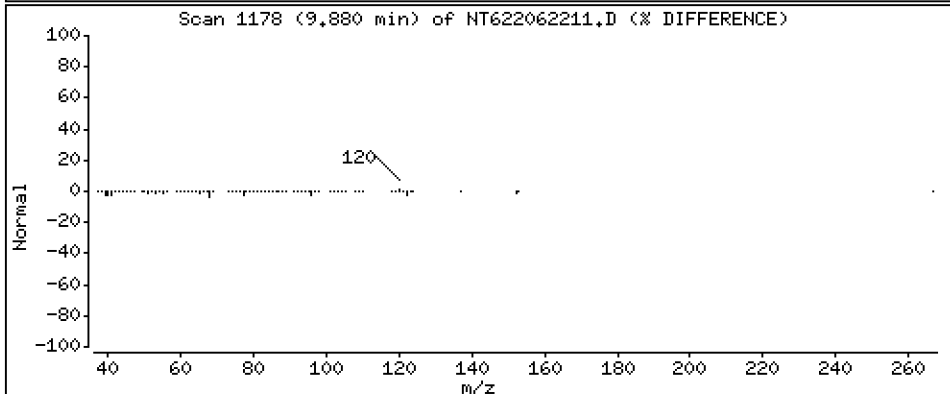
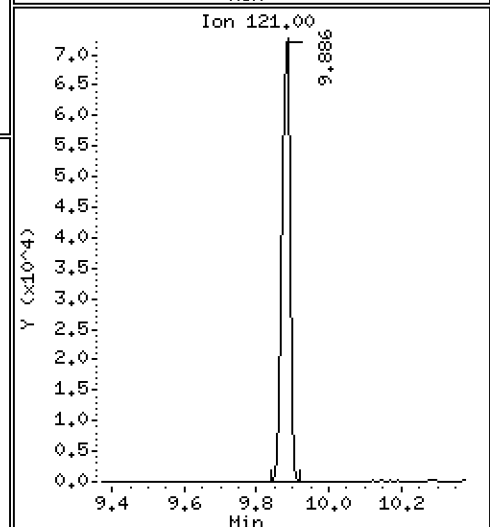
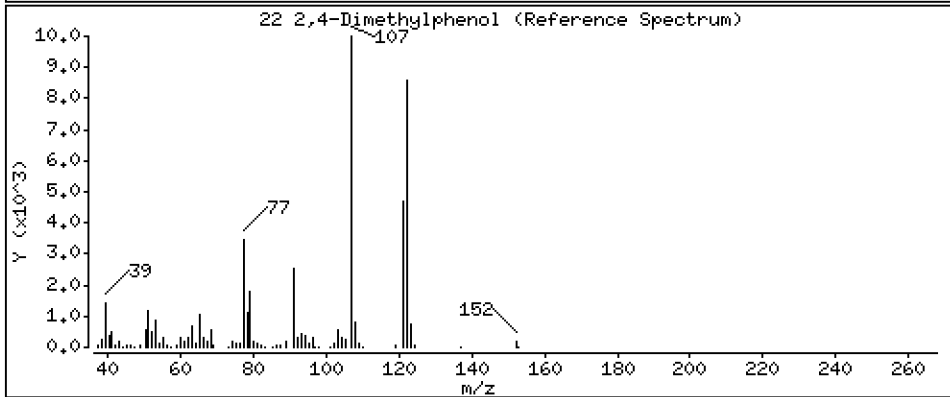
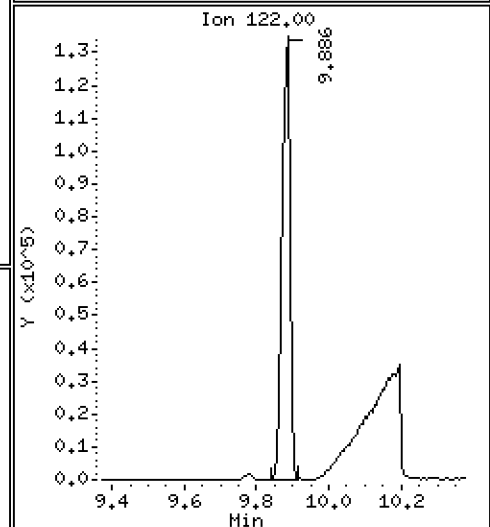
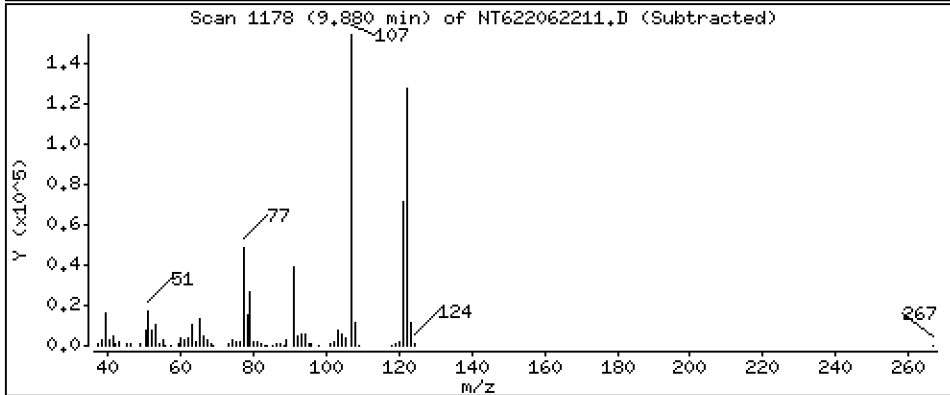
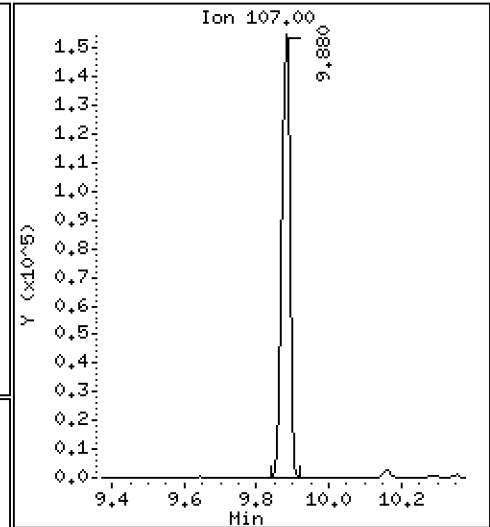
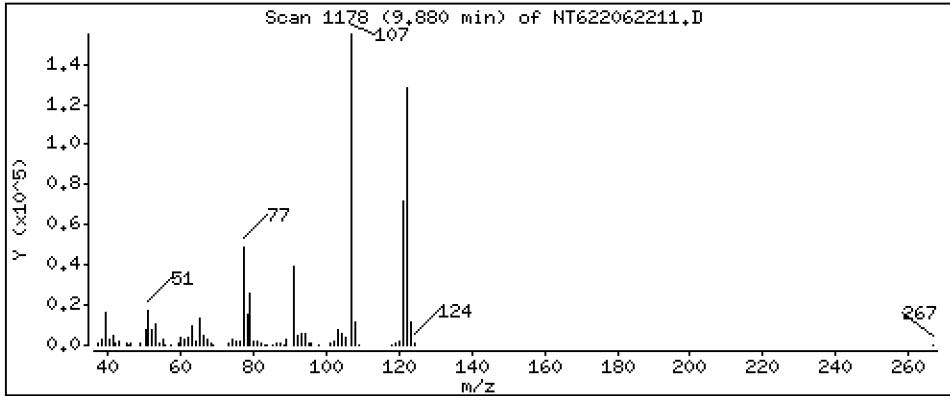
Operator: JZ

Column phase: ZB-5msi

Column diameter: 0.32

22 2,4-Dimethylphenol

Concentration: 46.66 ug/mL



Date : 22-JUN-2022 16:45

Client ID:

Instrument: nt6.i

Sample Info: BKF0450-BSD1,

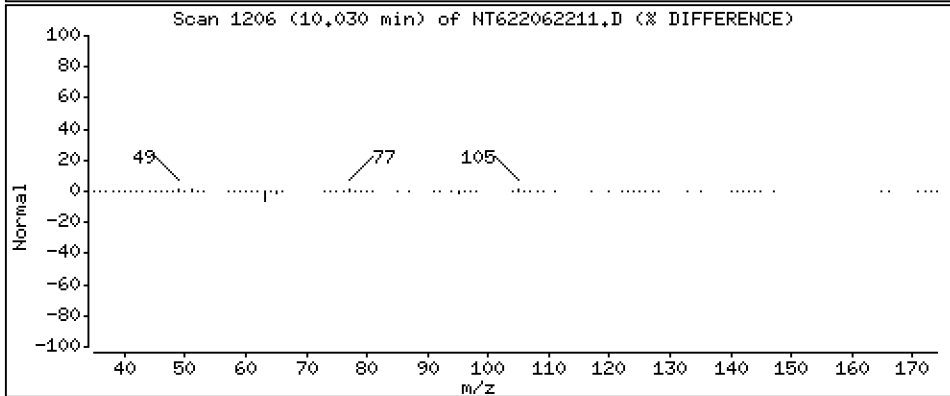
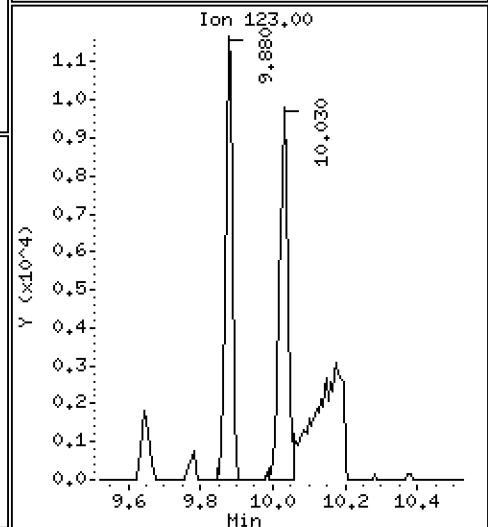
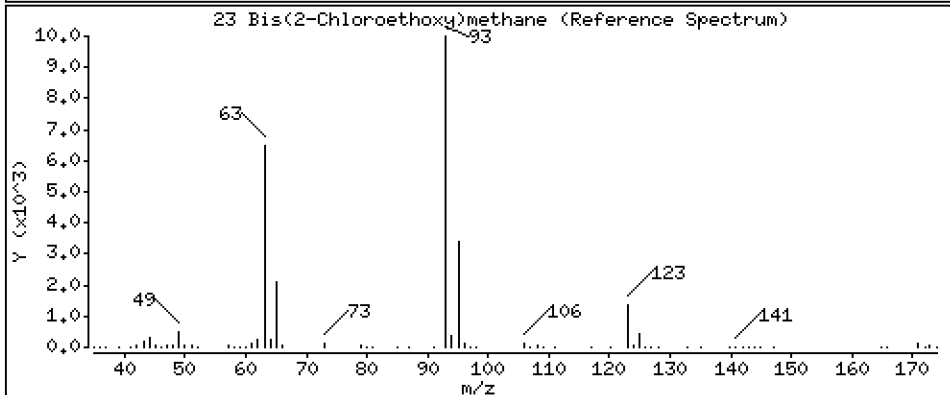
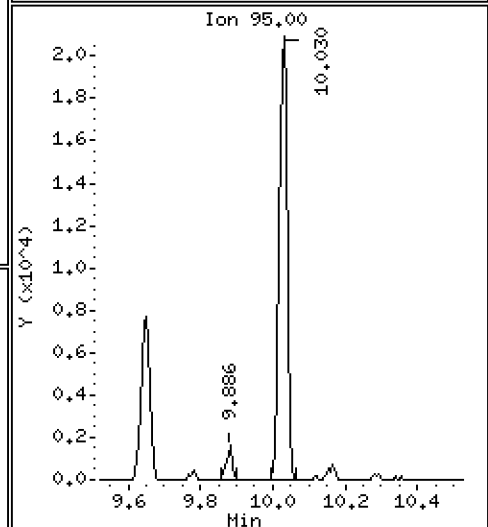
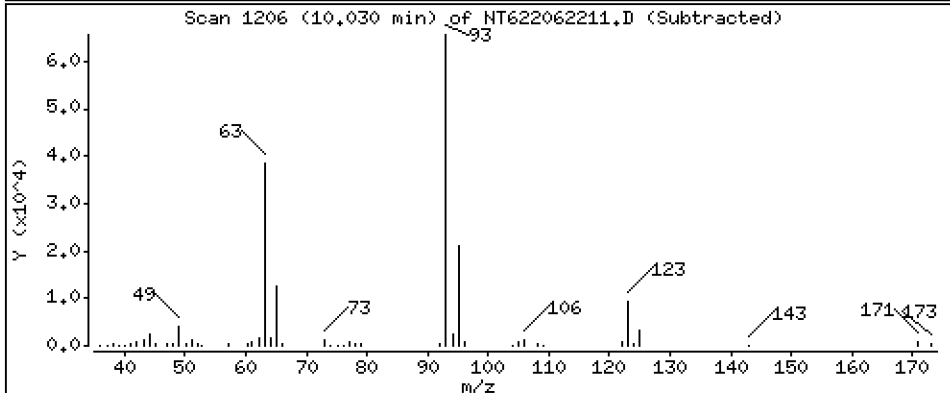
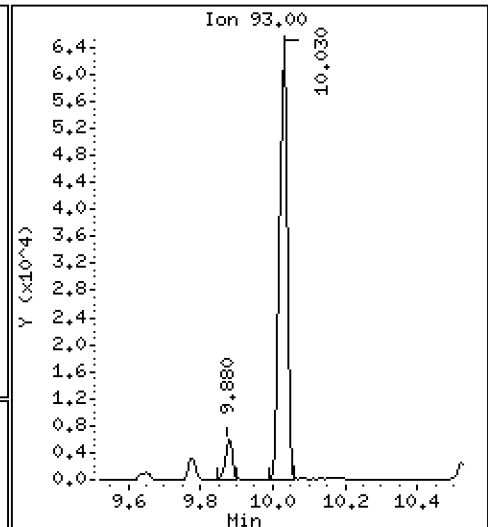
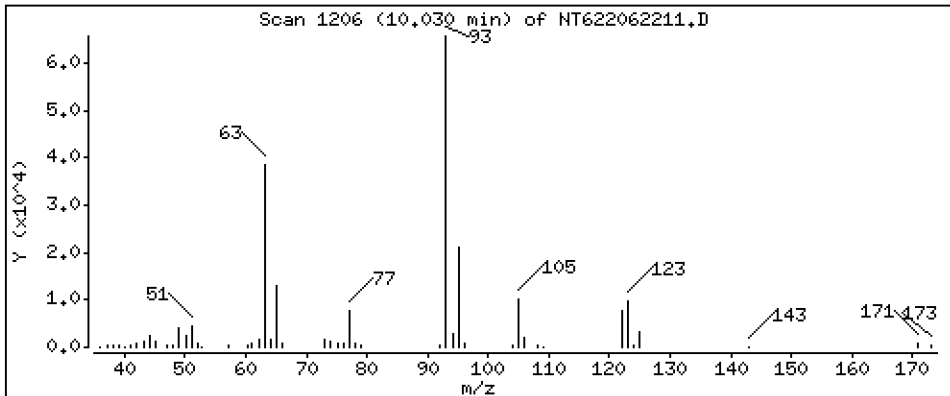
Operator: JZ

Column phase: ZB-5msi

Column diameter: 0.32

23 Bis(2-Chloroethoxy)methane

Concentration: 24.21 ug/mL



Date : 22-JUN-2022 16:45

Client ID:

Instrument: nt6.i

Sample Info: BKF0450-BSD1,

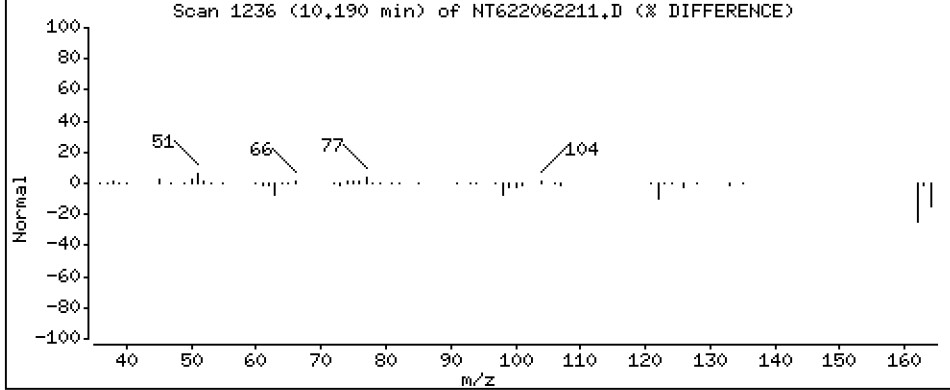
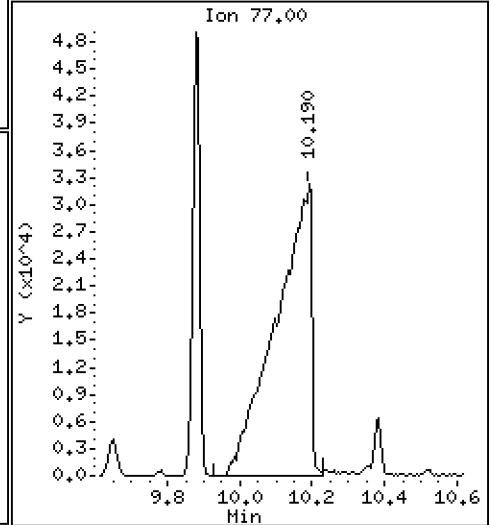
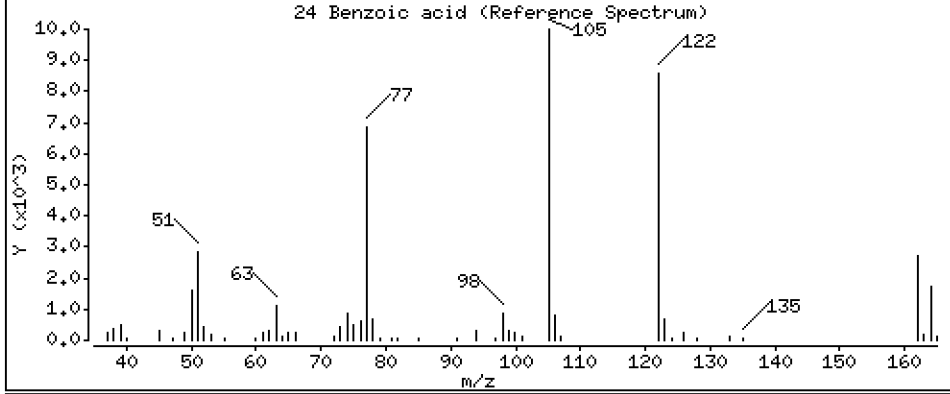
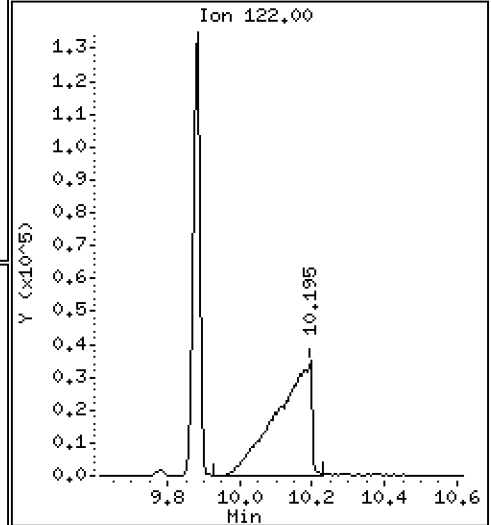
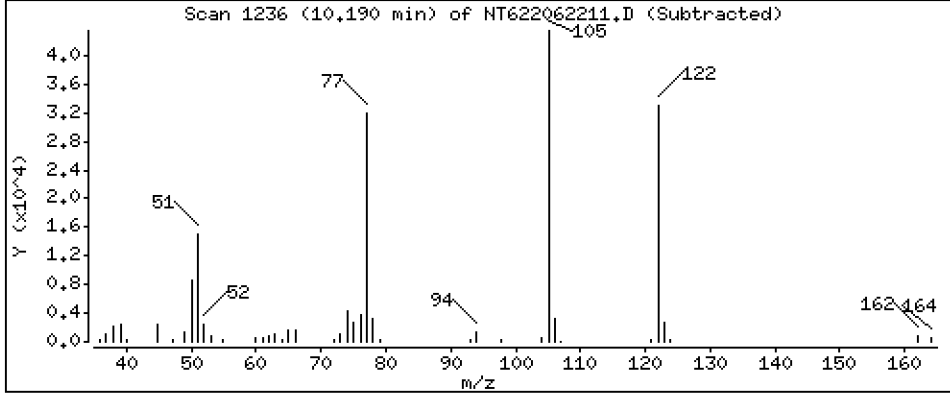
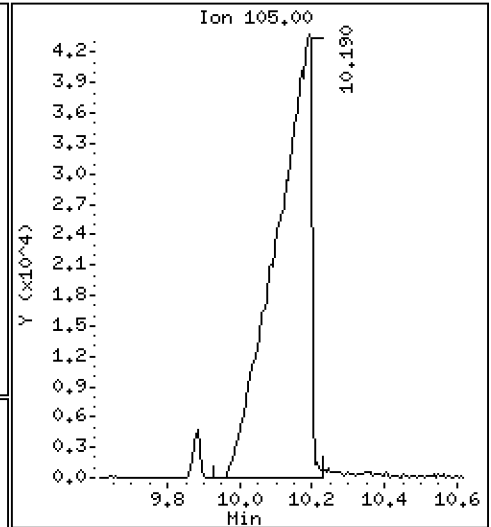
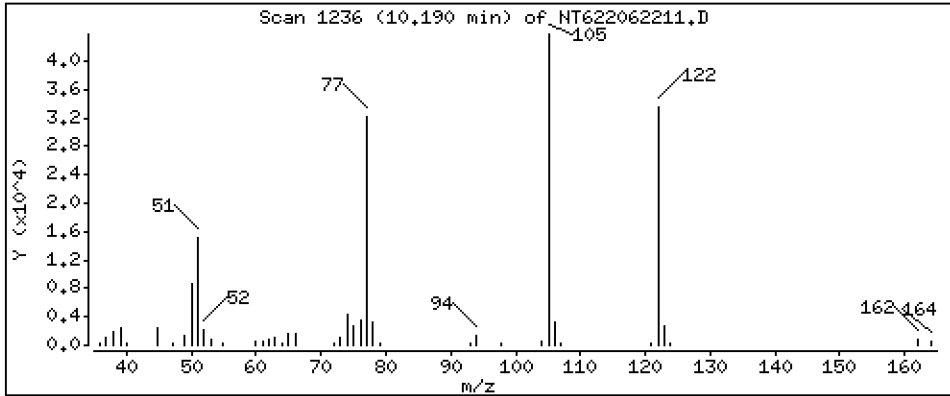
Operator: JZ

Column phase: ZB-5msi

Column diameter: 0,32

24 Benzoic acid

Concentration: 102,1 ug/mL



Date : 22-JUN-2022 16:45

Client ID:

Instrument: nt6.i

Sample Info: BKF0450-BSD1,

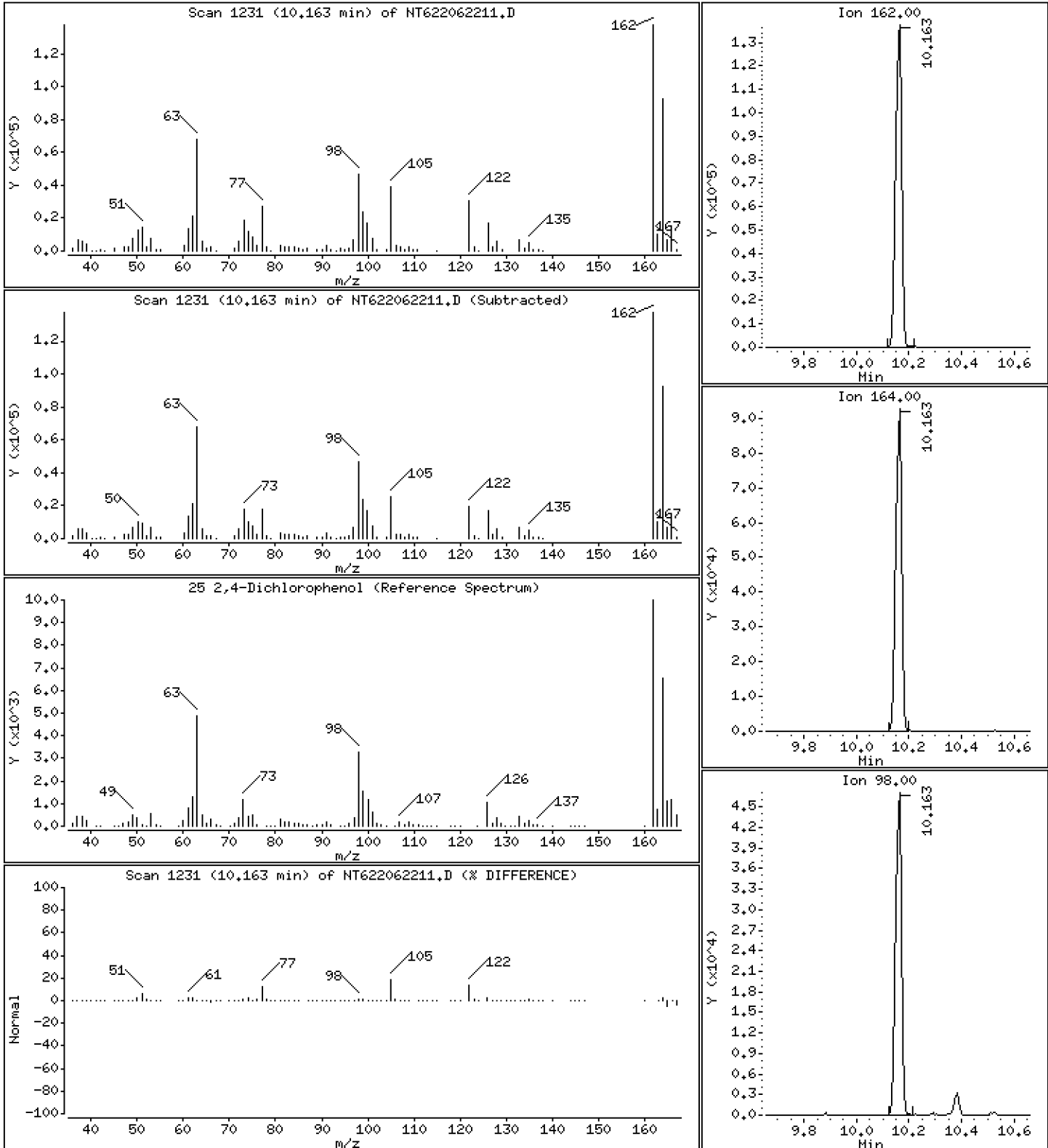
Operator: JZ

Column phase: ZB-5msi

Column diameter: 0.32

25 2,4-Dichlorophenol

Concentration: 52.44 ug/mL



Date : 22-JUN-2022 16:45

Client ID:

Instrument: nt6.i

Sample Info: BKF0450-BSD1,

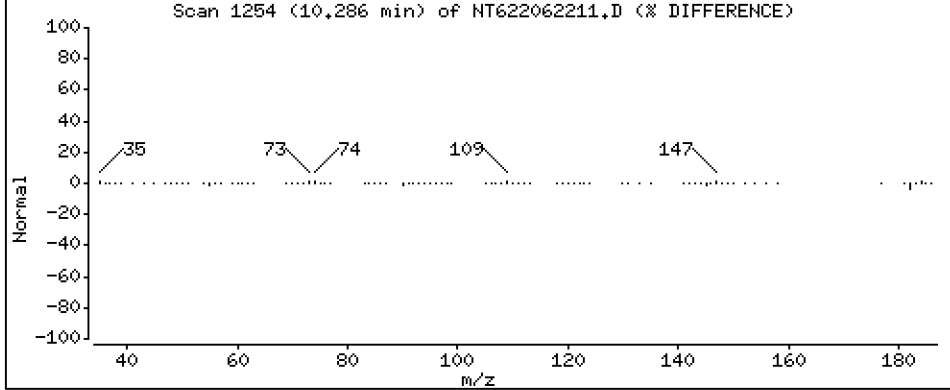
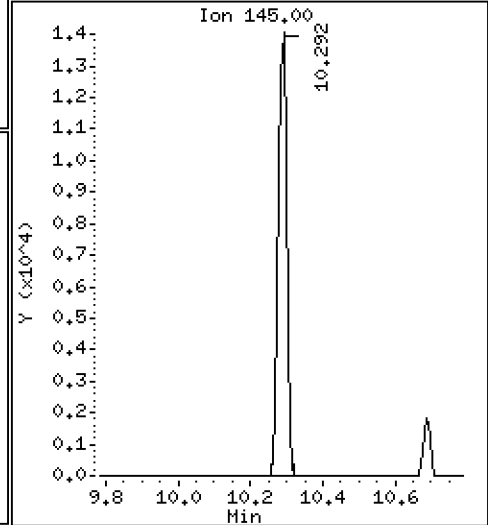
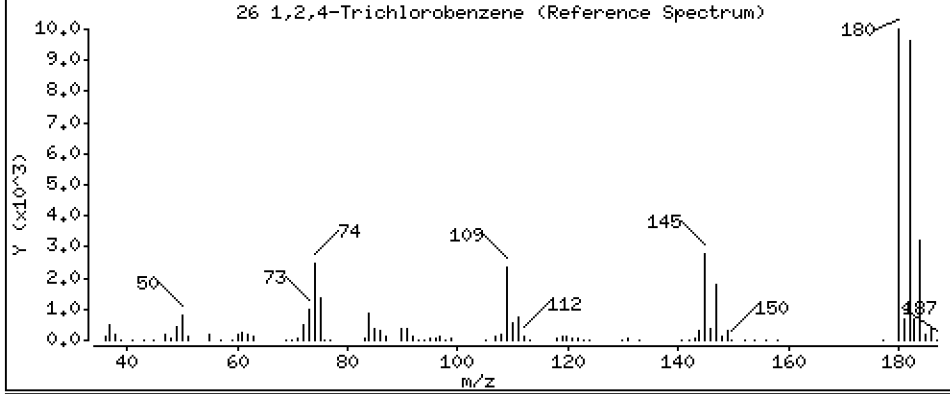
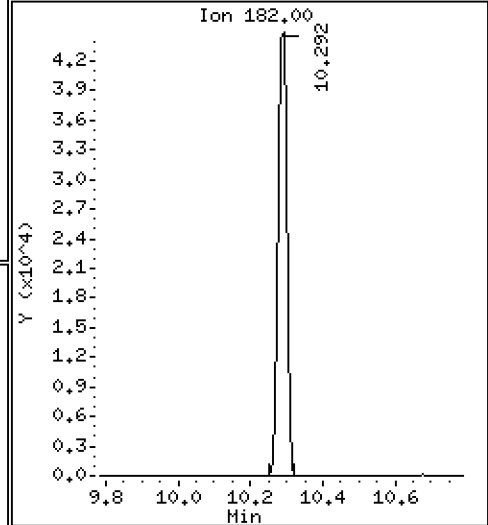
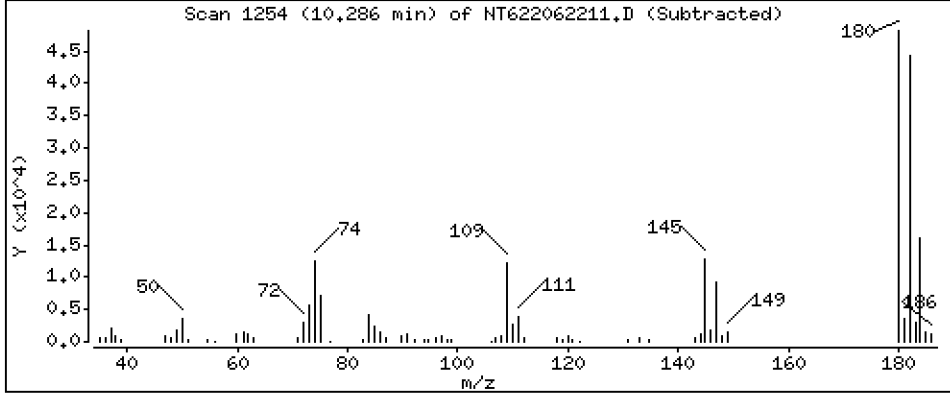
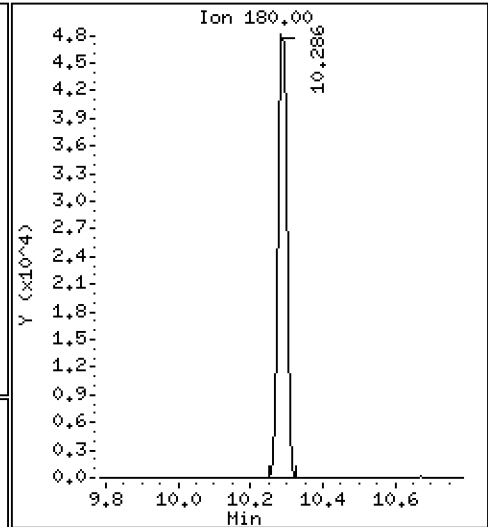
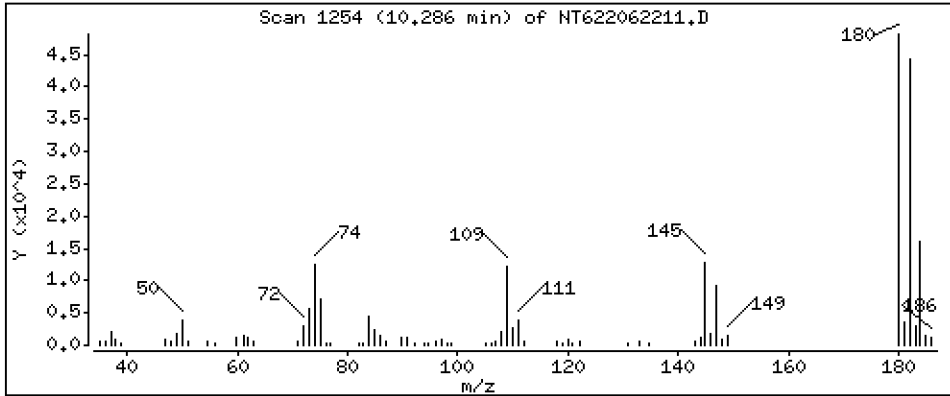
Operator: JZ

Column phase: ZB-5msi

Column diameter: 0,32

26 1,2,4-Trichlorobenzene

Concentration: 16,74 ug/mL



Date : 22-JUN-2022 16:45

Client ID:

Instrument: nt6.i

Sample Info: BKF0450-BSD1,

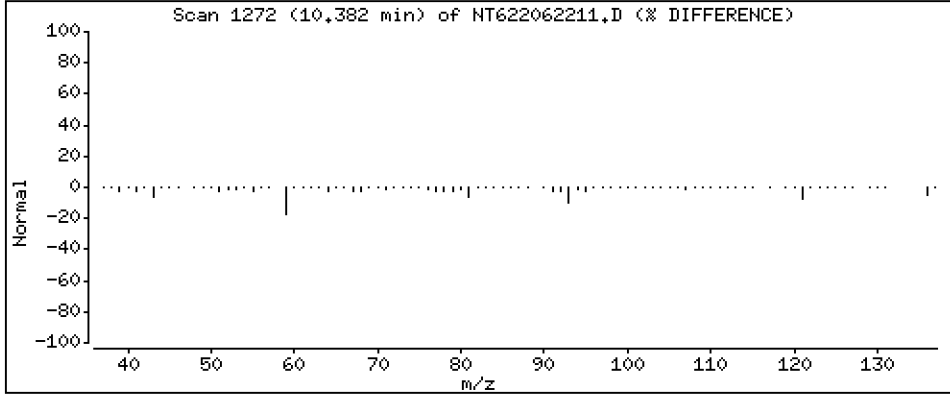
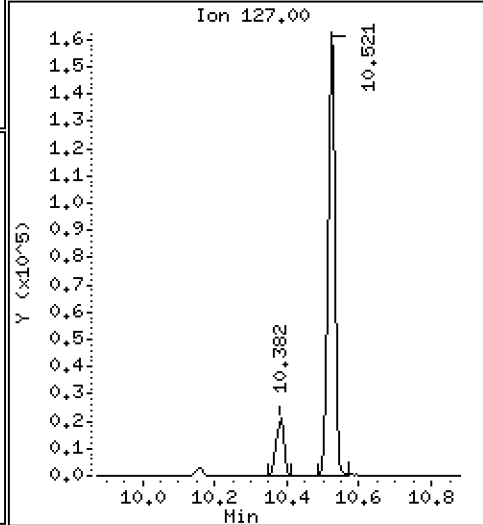
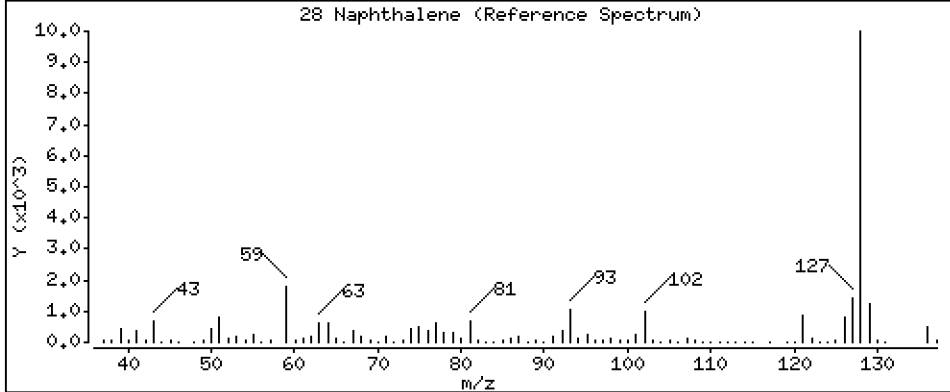
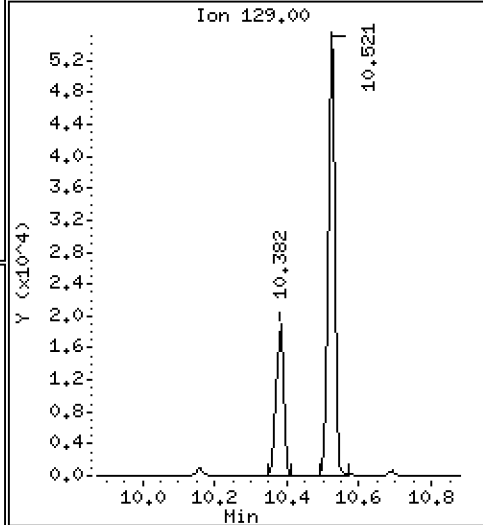
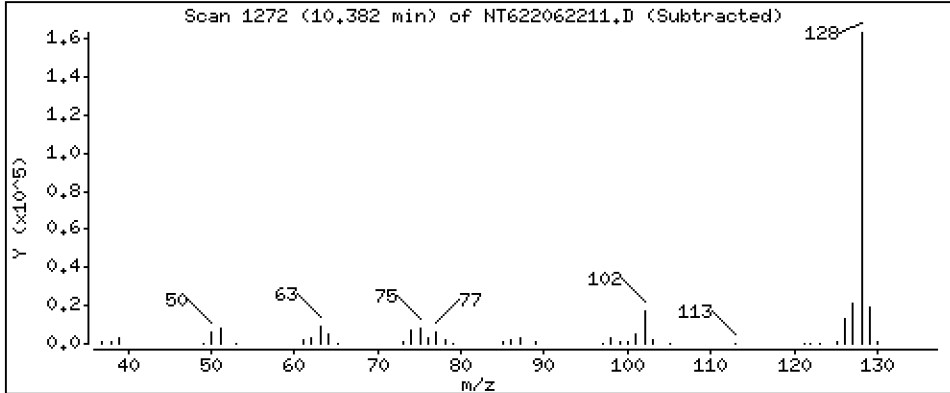
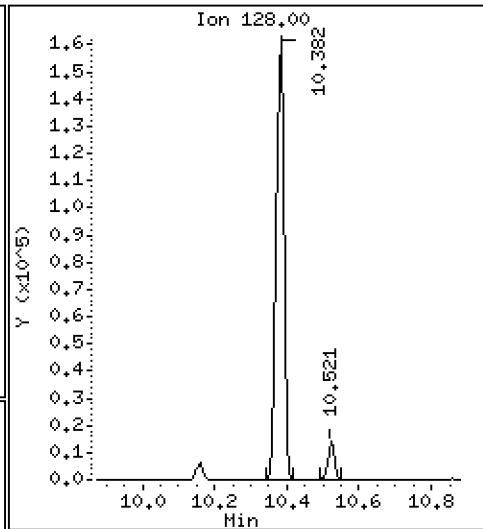
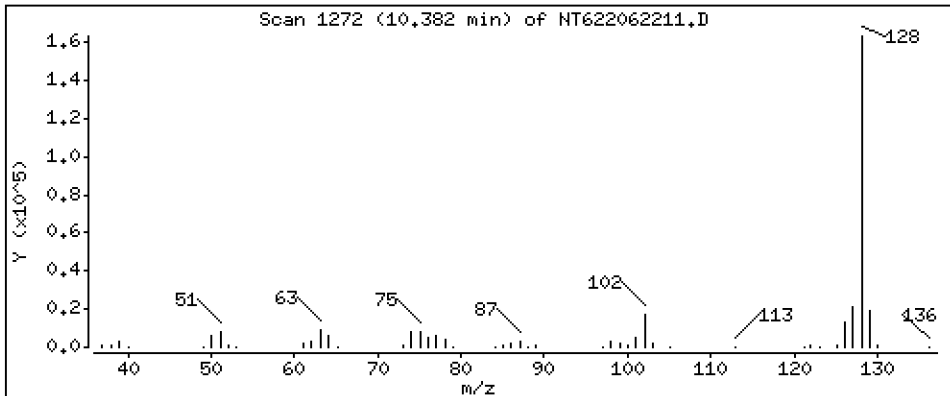
Operator: JZ

Column phase: ZB-5msi

Column diameter: 0.32

28 Naphthalene

Concentration: 19.12 ug/mL



Date : 22-JUN-2022 16:45

Client ID:

Instrument: nt6.i

Sample Info: BKF0450-BSD1,

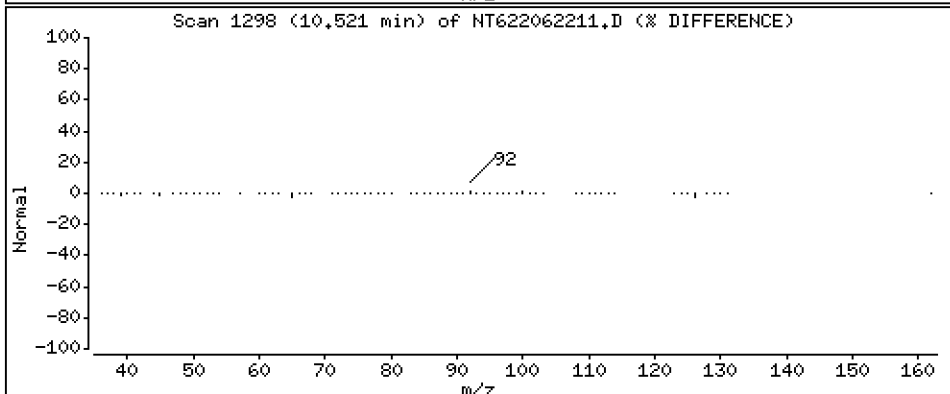
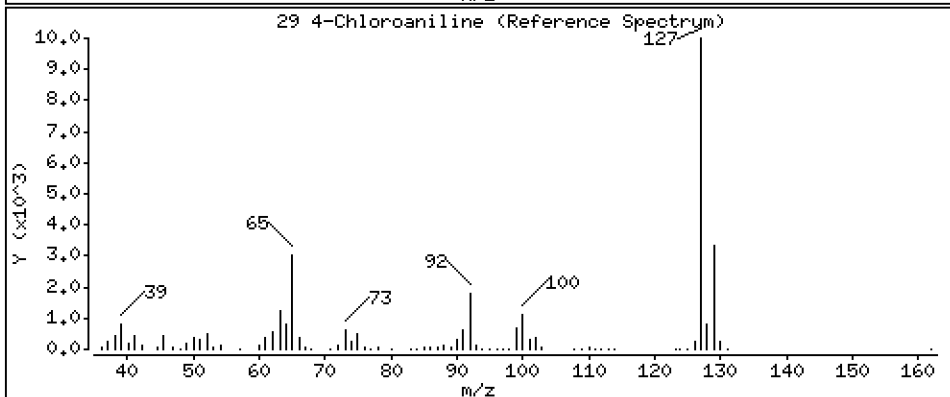
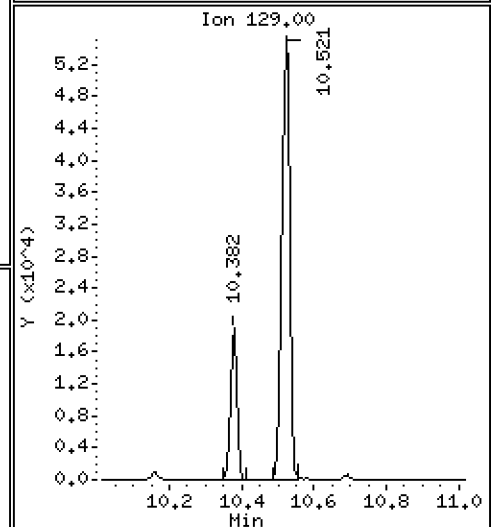
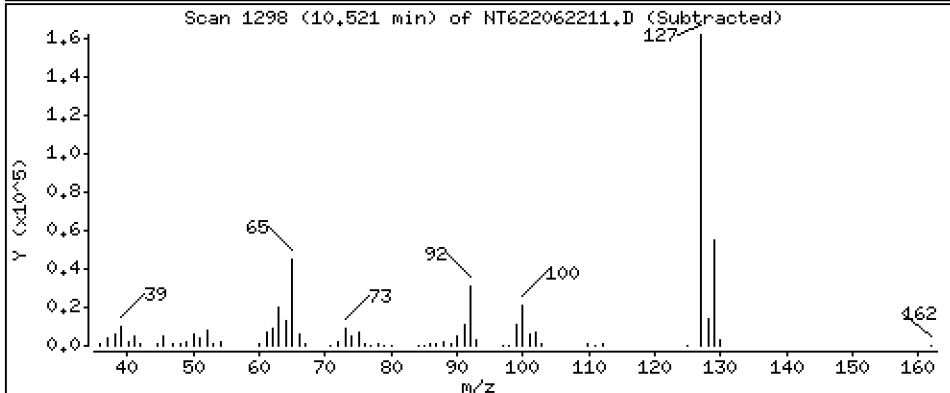
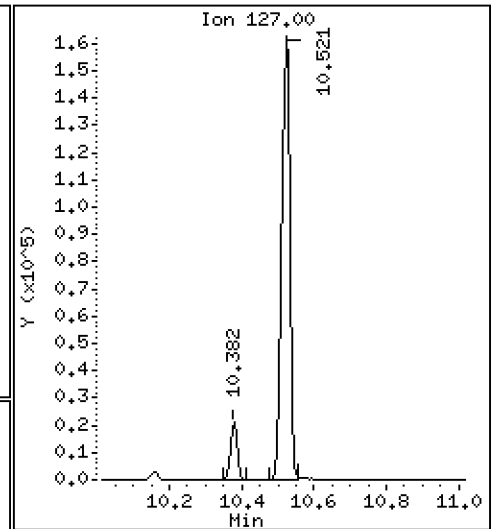
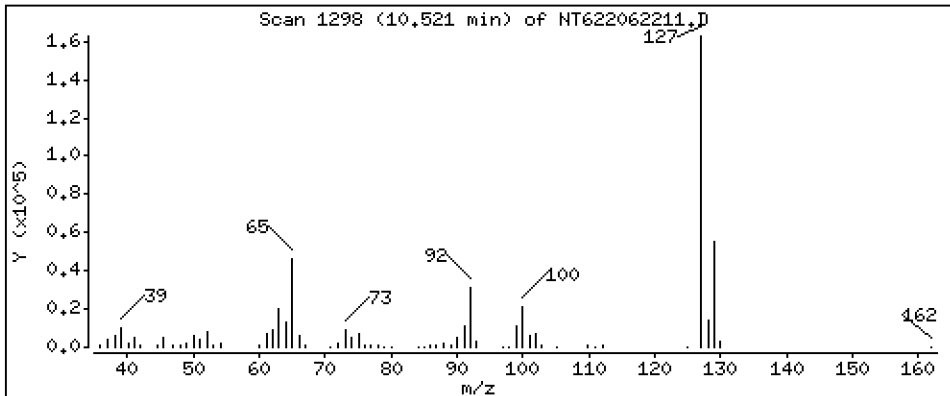
Operator: JZ

Column phase: ZB-5msi

Column diameter: 0,32

29 4-Chloroaniline

Concentration: 47,56 ug/mL



Date : 22-JUN-2022 16:45

Client ID:

Instrument: nt6.i

Sample Info: BKF0450-BSD1,

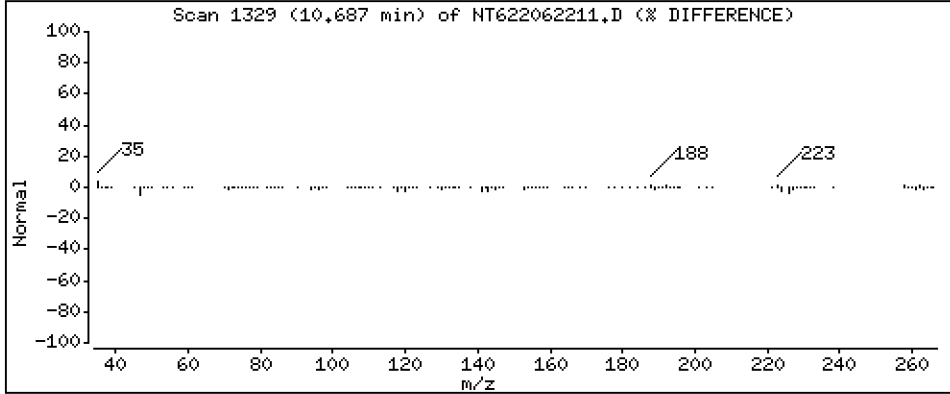
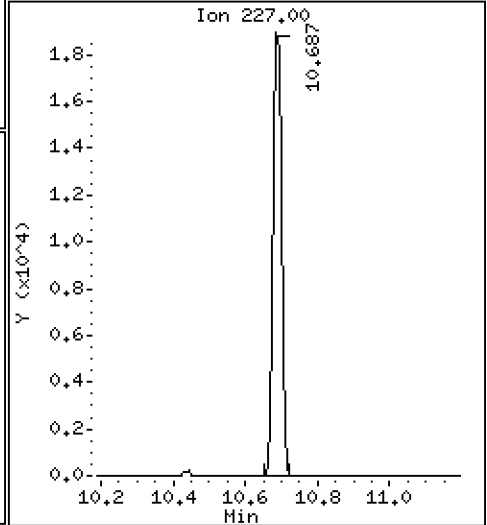
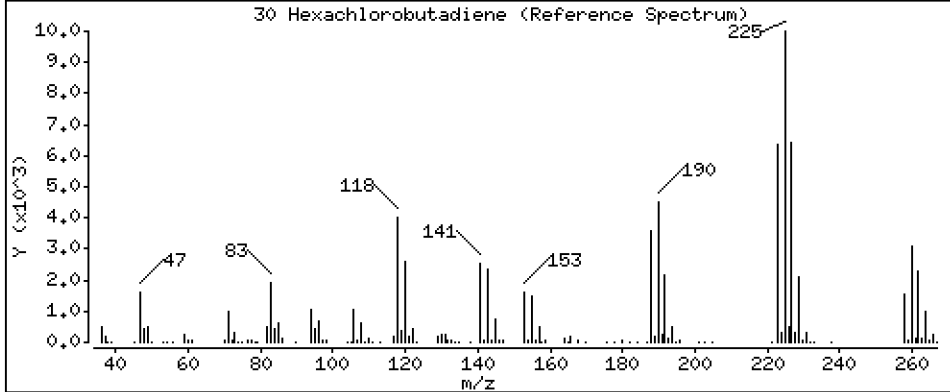
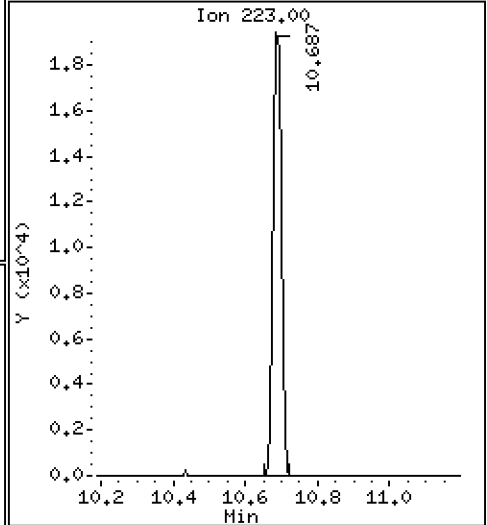
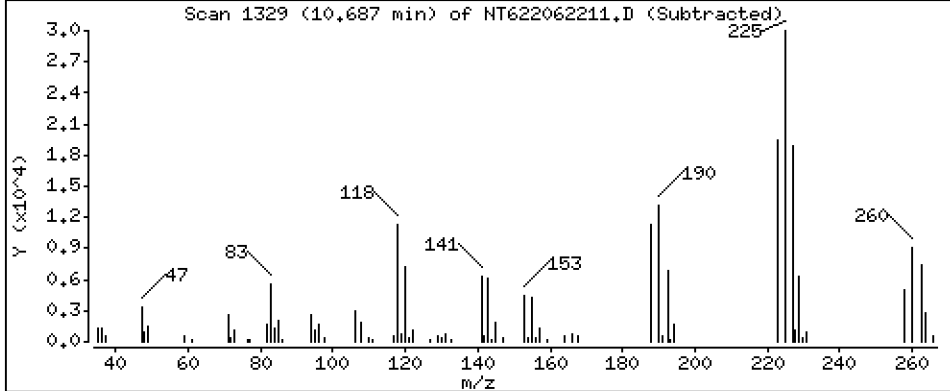
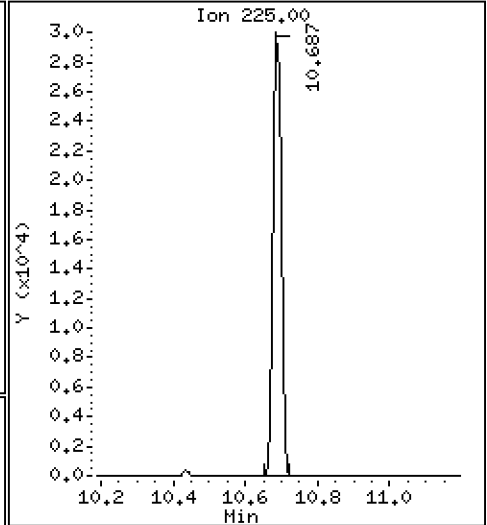
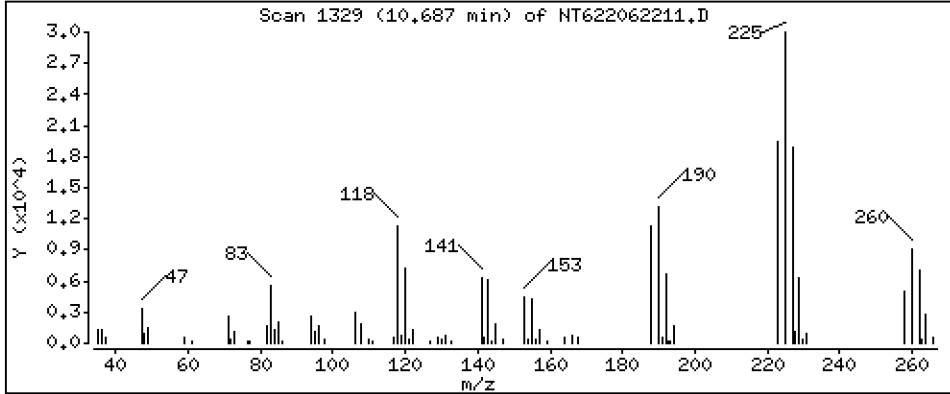
Operator: JZ

Column phase: ZB-5msi

Column diameter: 0.32

30 Hexachlorobutadiene

Concentration: 15.03 ug/mL



Date : 22-JUN-2022 16:45

Client ID:

Instrument: nt6.i

Sample Info: BKF0450-BSD1,

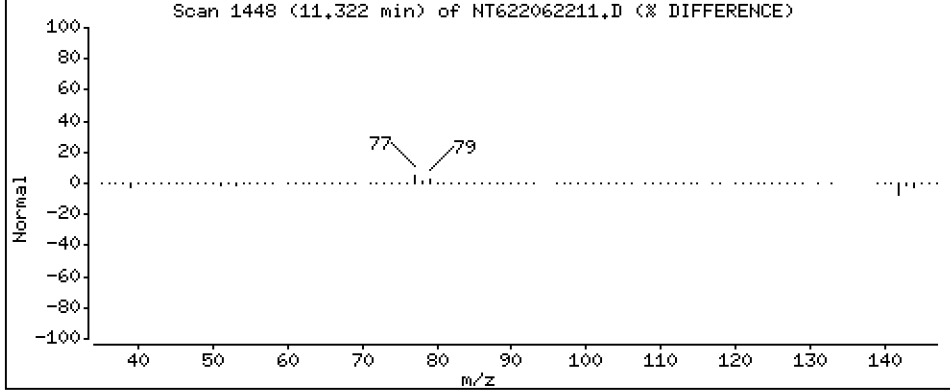
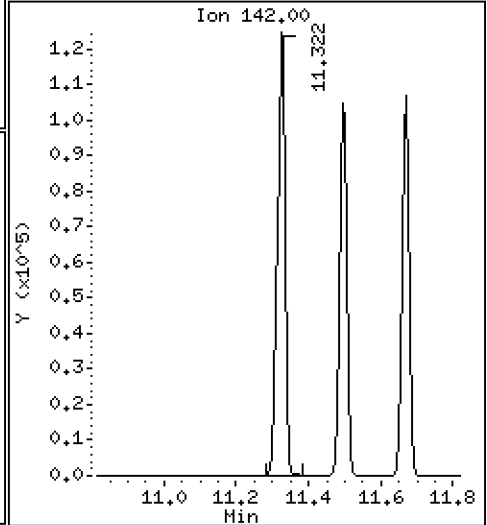
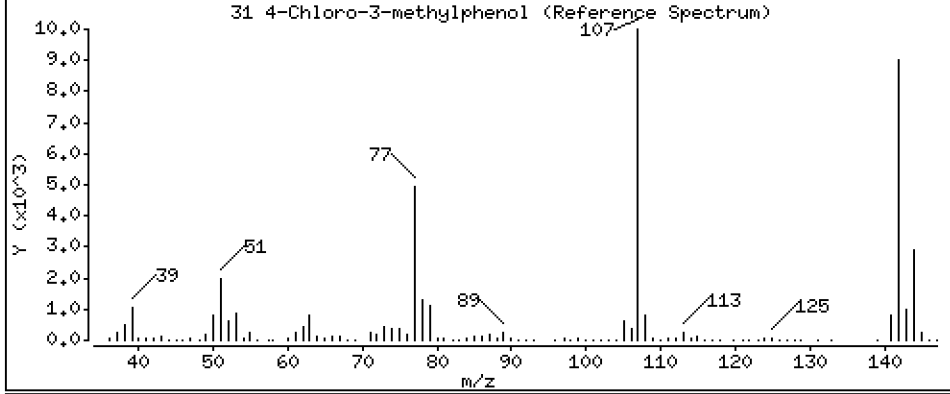
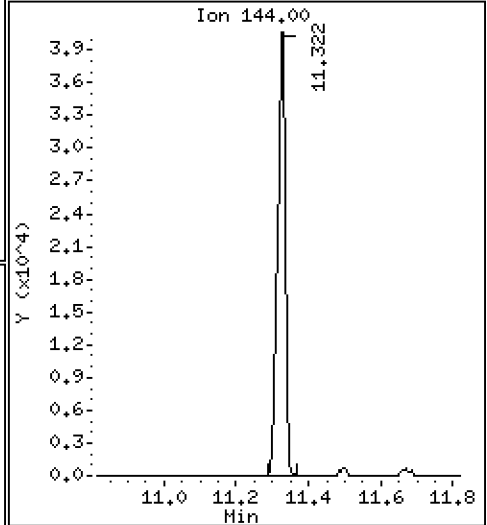
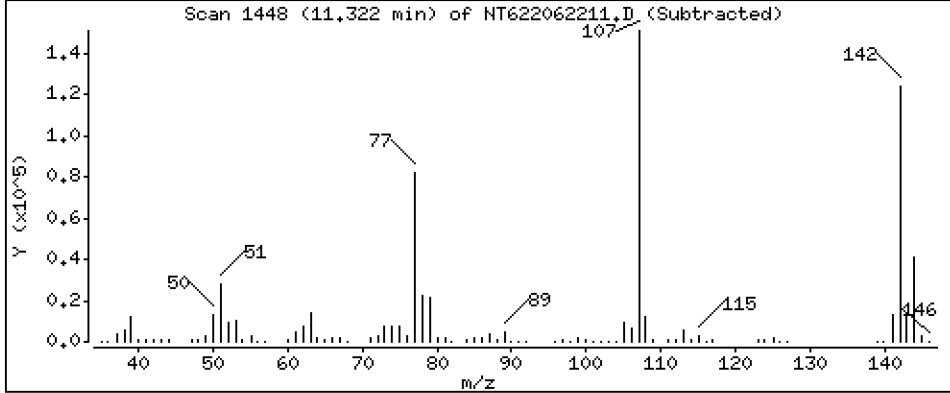
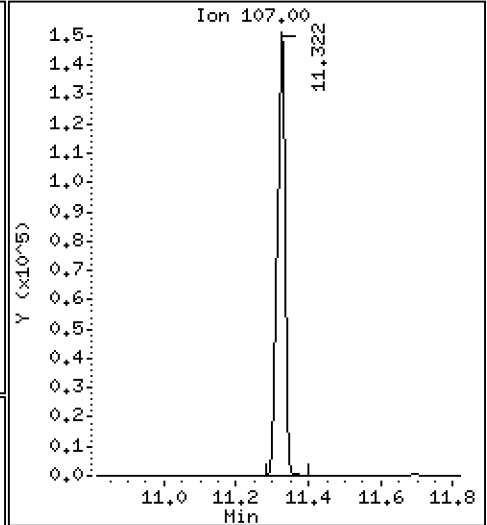
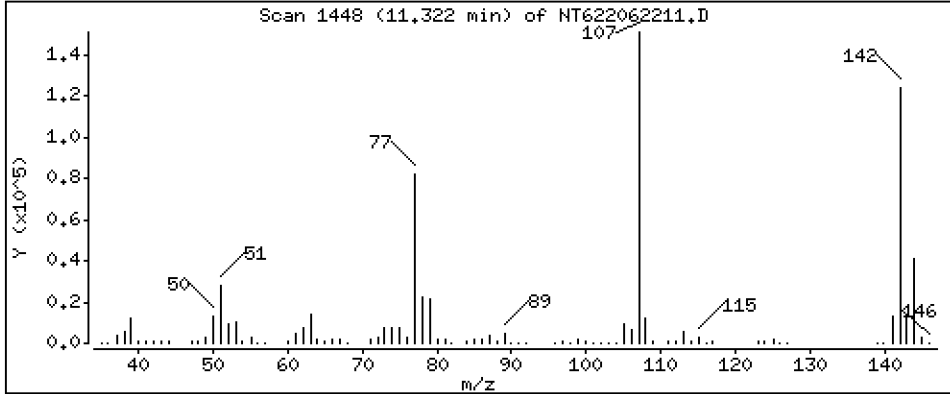
Operator: JZ

Column phase: ZB-5msi

Column diameter: 0.32

31 4-Chloro-3-methylphenol

Concentration: 55.13 ug/mL



Date : 22-JUN-2022 16:45

Client ID:

Instrument: nt6.i

Sample Info: BKF0450-BSD1,

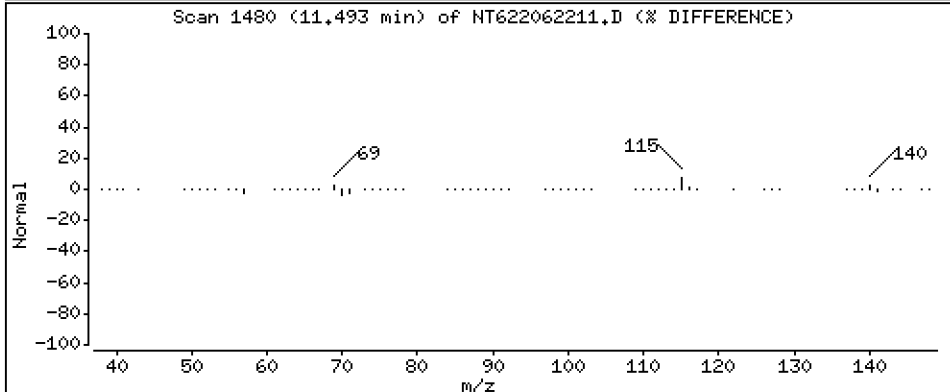
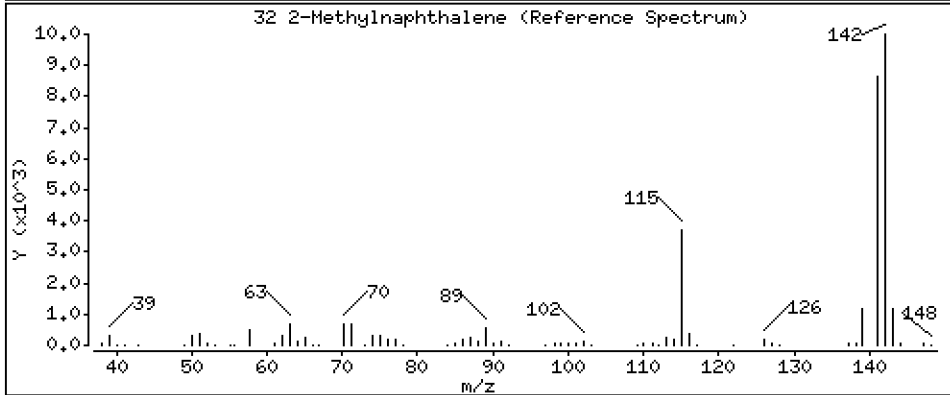
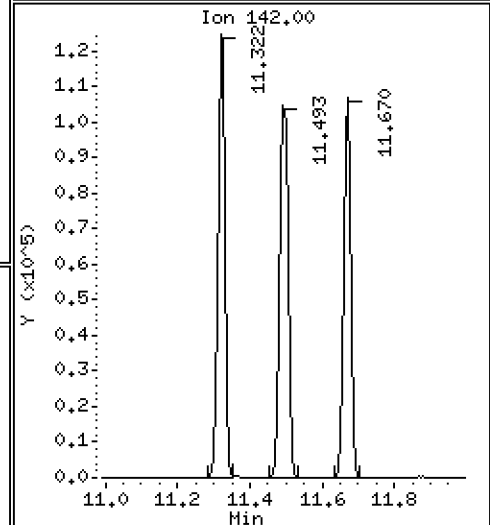
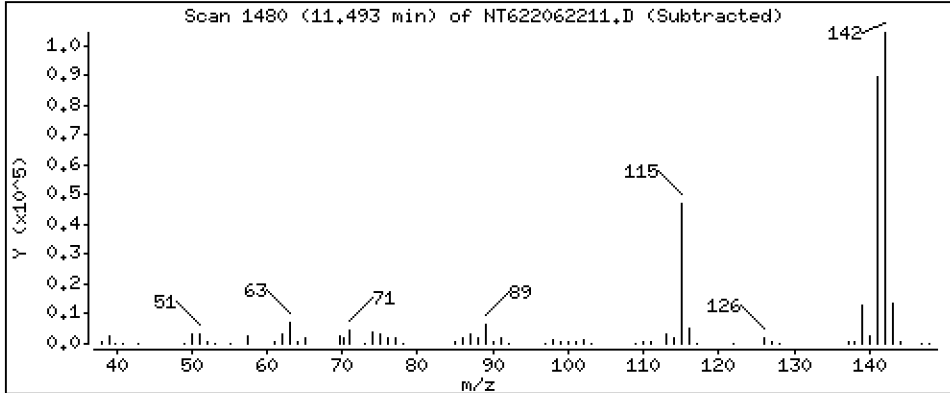
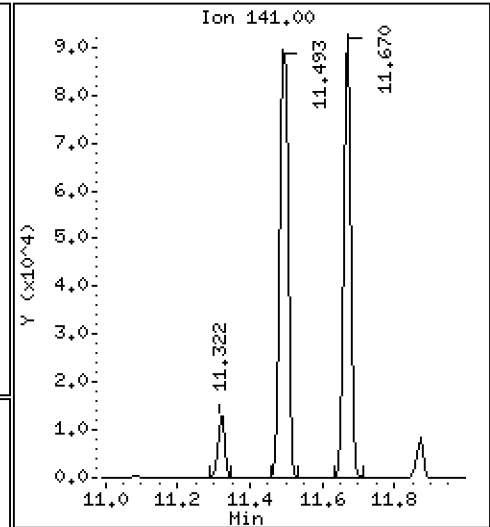
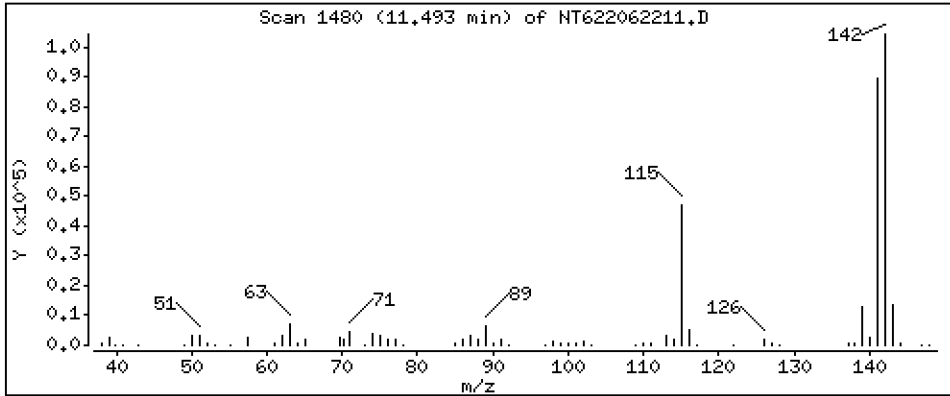
Operator: JZ

Column phase: ZB-5msi

Column diameter: 0.32

32 2-Methylnaphthalene

Concentration: 19.33 ug/mL



Date : 22-JUN-2022 16:45

Client ID:

Instrument: nt6.i

Sample Info: BKF0450-BSD1,

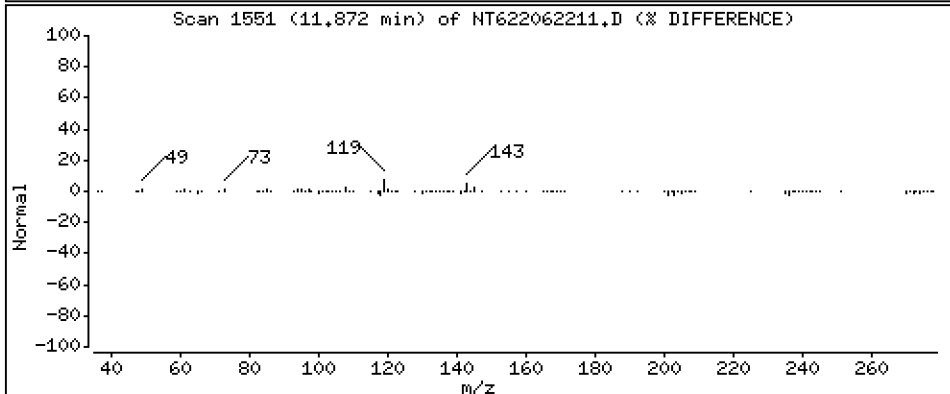
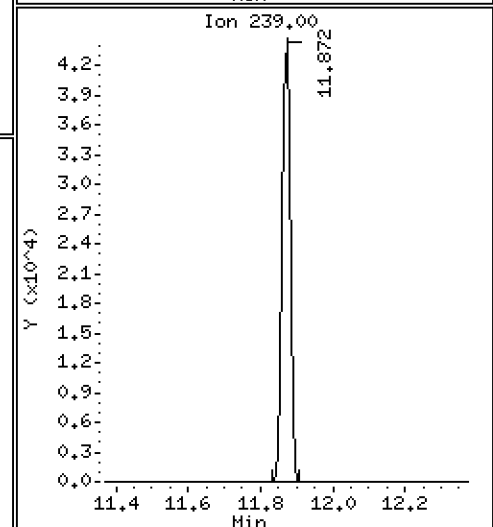
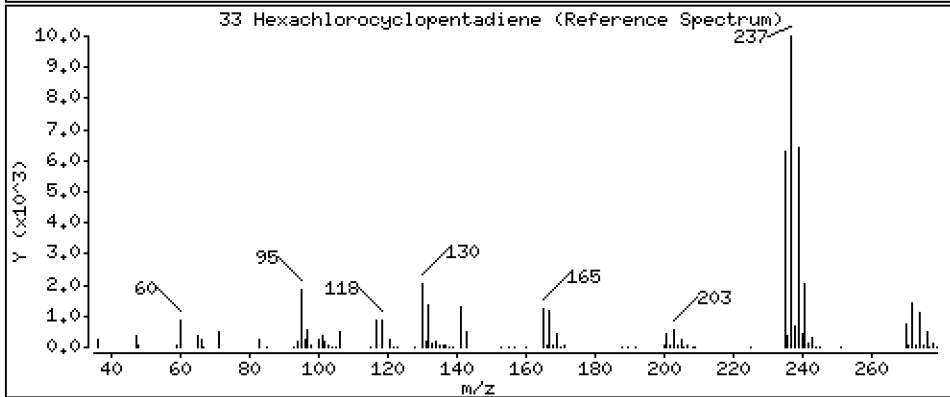
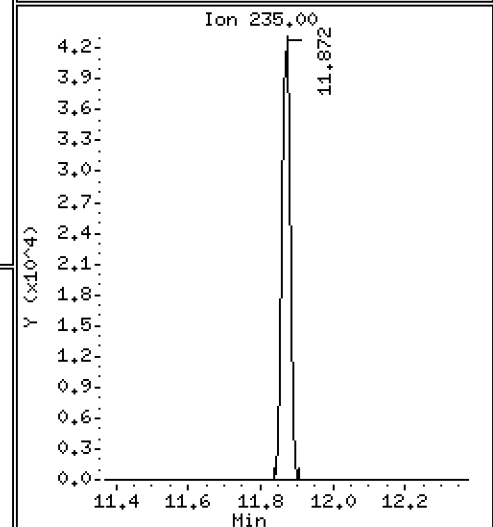
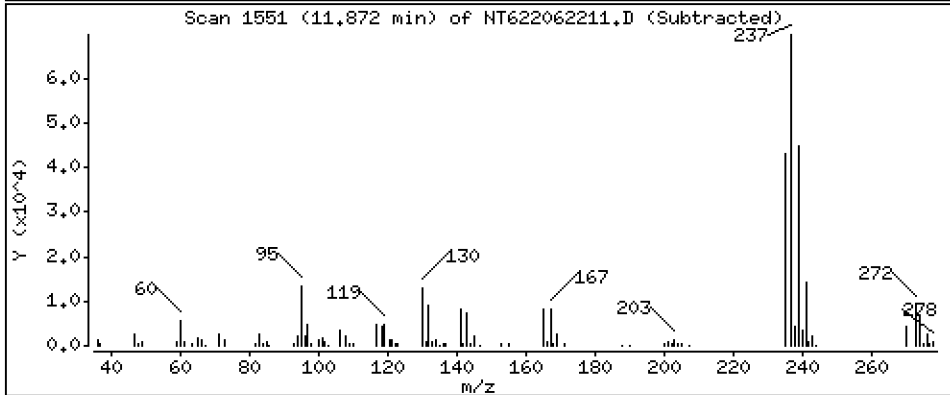
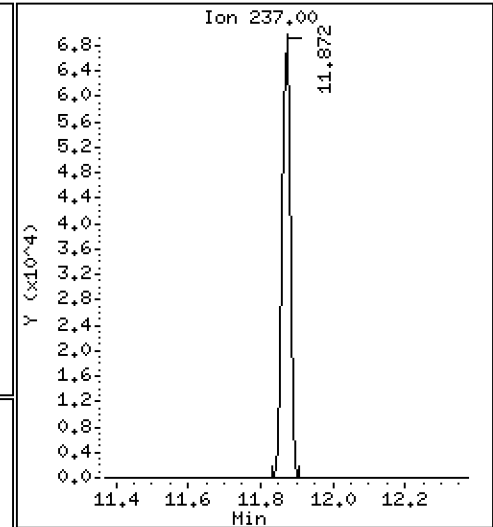
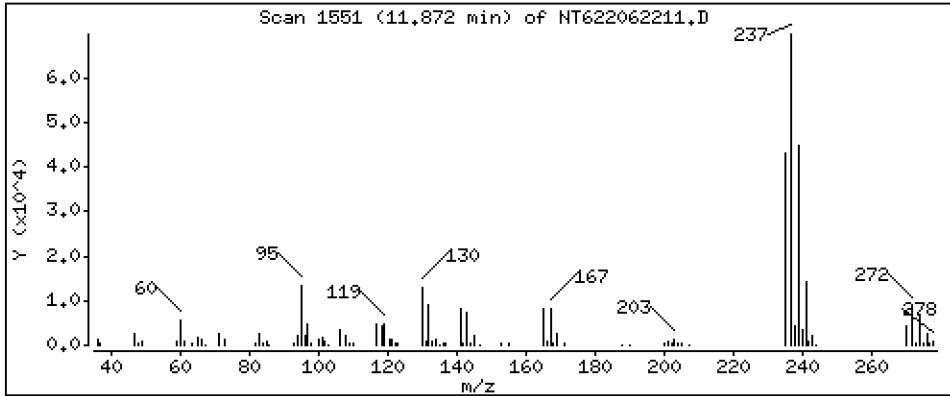
Operator: JZ

Column phase: ZB-5msi

Column diameter: 0.32

33 Hexachlorocyclopentadiene

Concentration: 31.01 ug/mL



Date : 22-JUN-2022 16:45

Client ID:

Instrument: nt6.i

Sample Info: BKF0450-BSD1,

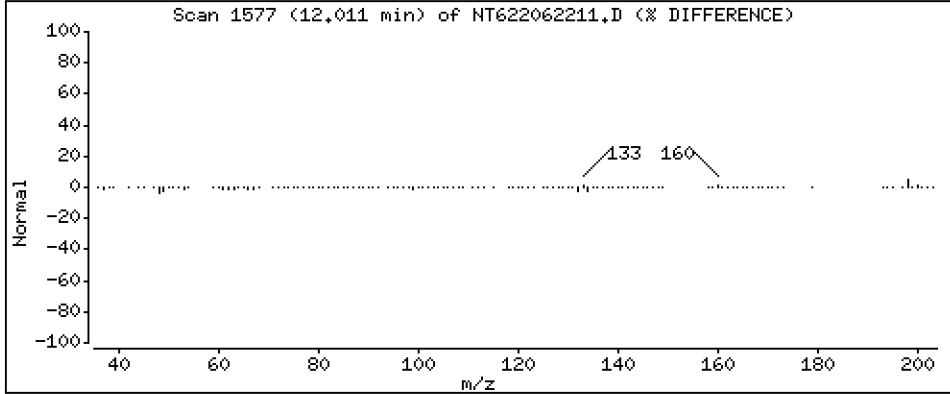
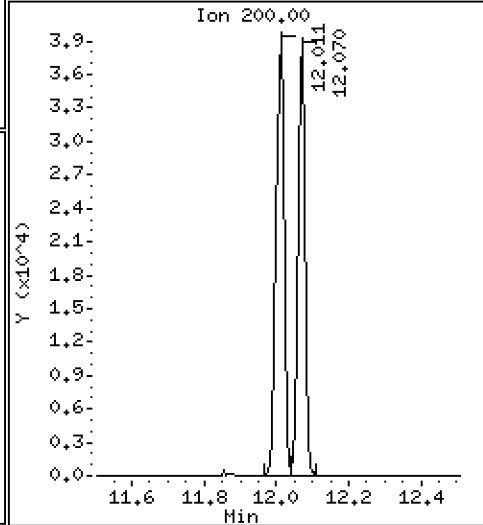
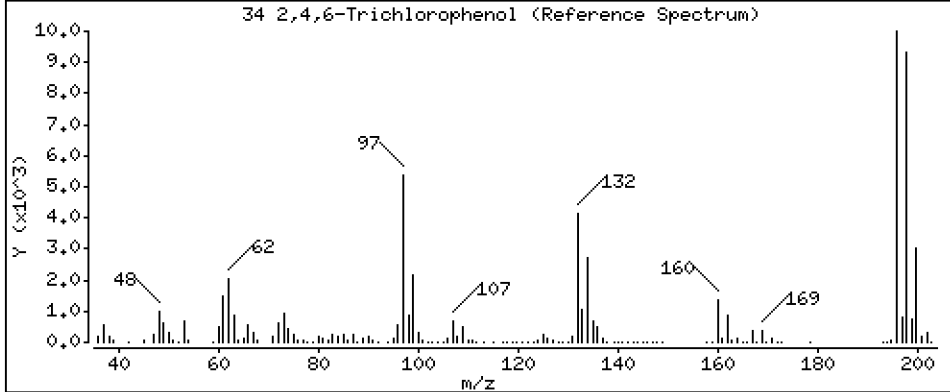
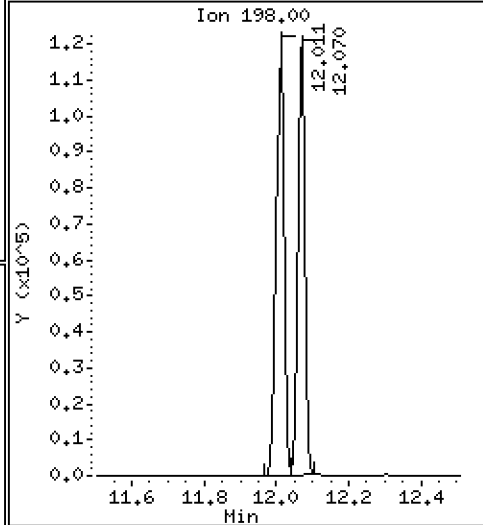
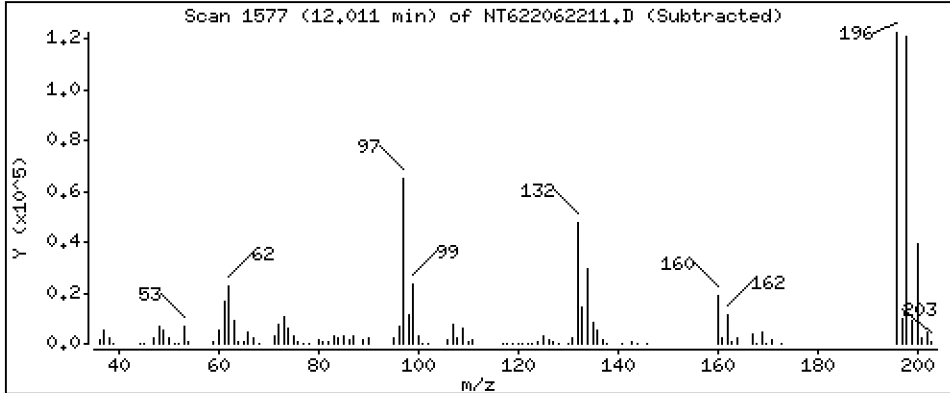
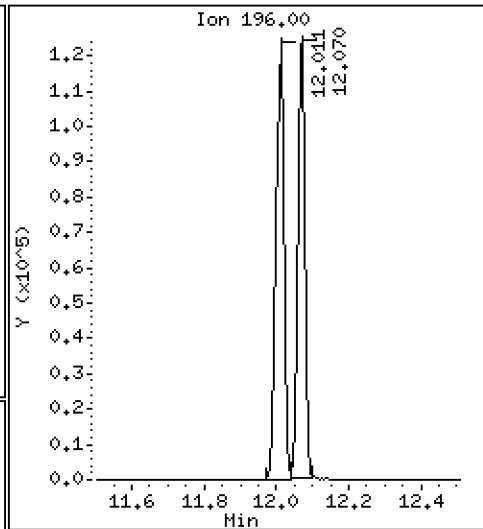
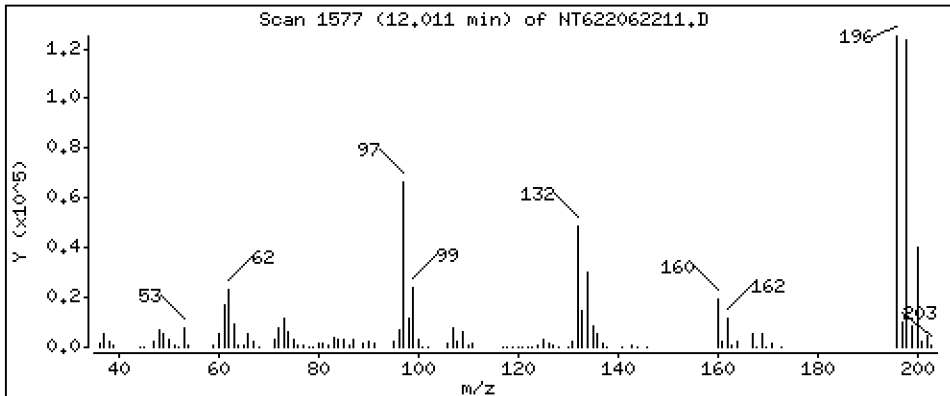
Operator: JZ

Column phase: ZB-5msi

Column diameter: 0.32

34 2,4,6-Trichlorophenol

Concentration: 54.32 ug/mL



Date : 22-JUN-2022 16:45

Client ID:

Instrument: nt6.i

Sample Info: BKF0450-BSD1,

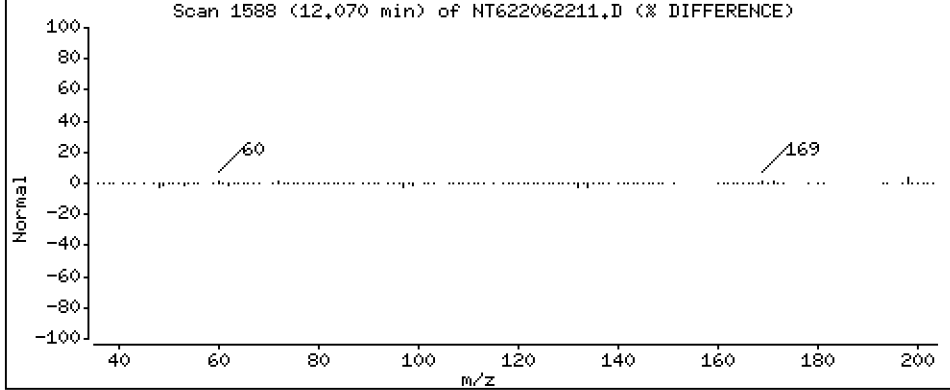
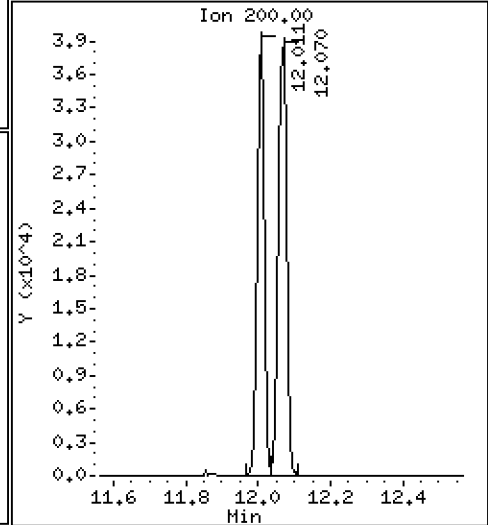
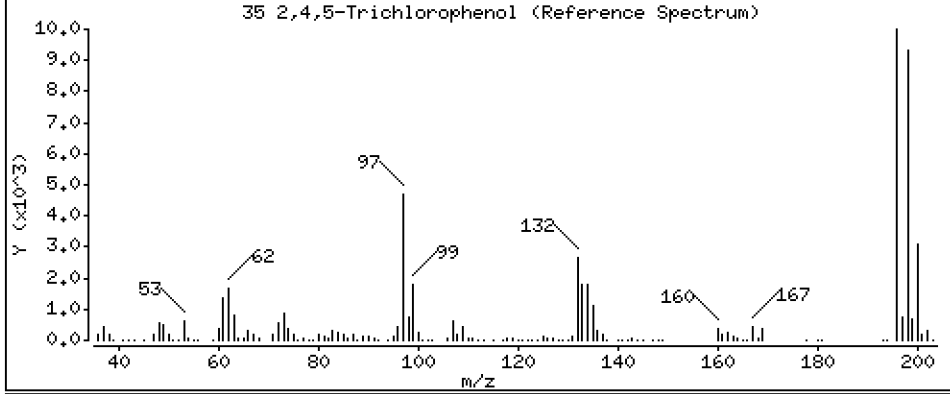
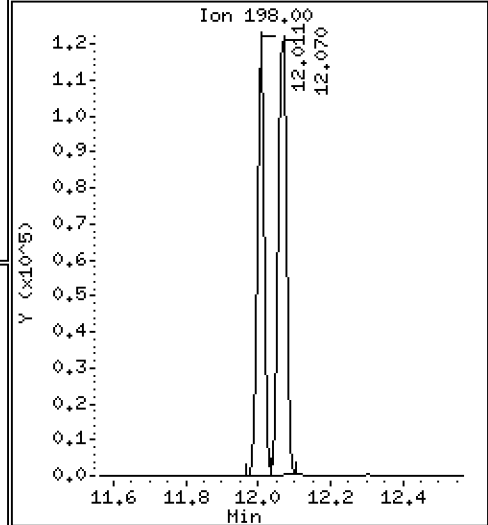
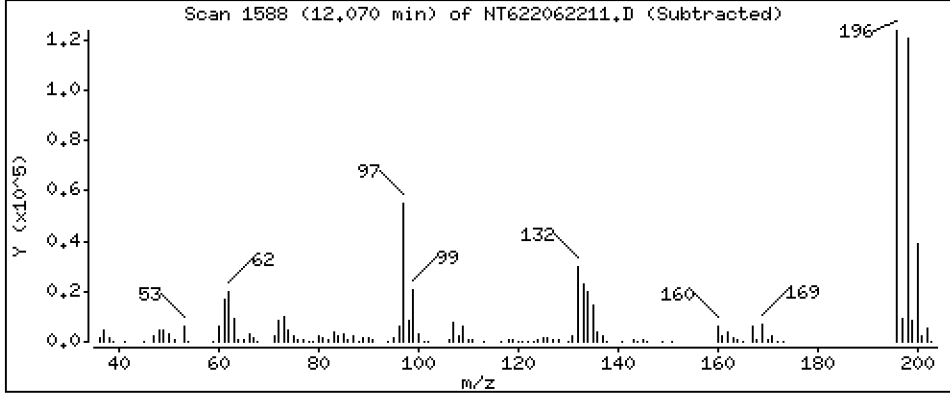
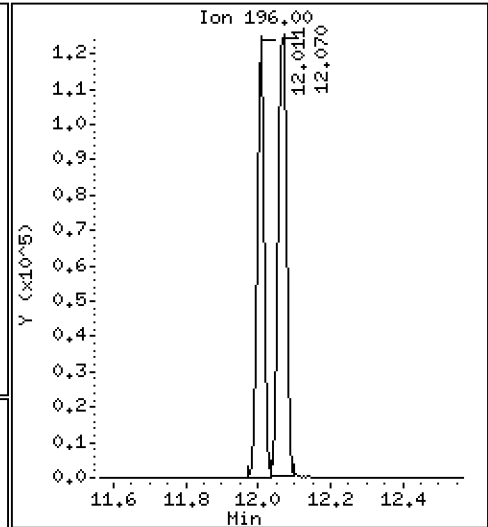
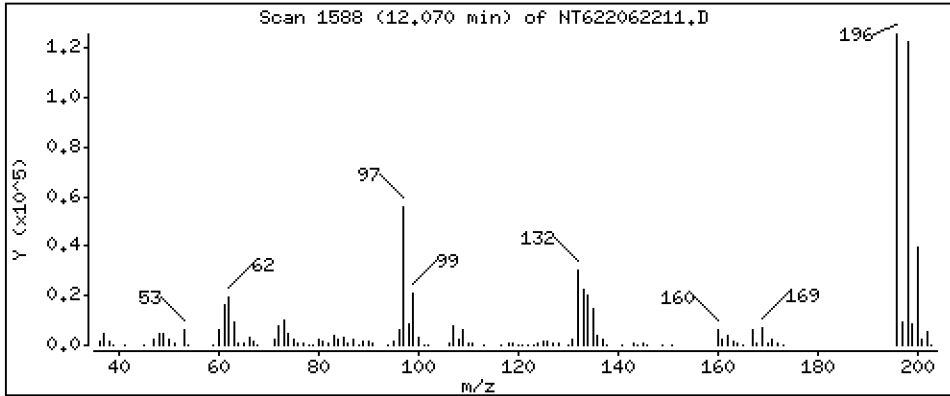
Operator: JZ

Column phase: ZB-5msi

Column diameter: 0.32

35 2,4,5-Trichlorophenol

Concentration: 52.32 ug/mL



Date : 22-JUN-2022 16:45

Client ID:

Instrument: nt6.i

Sample Info: BKF0450-BSD1,

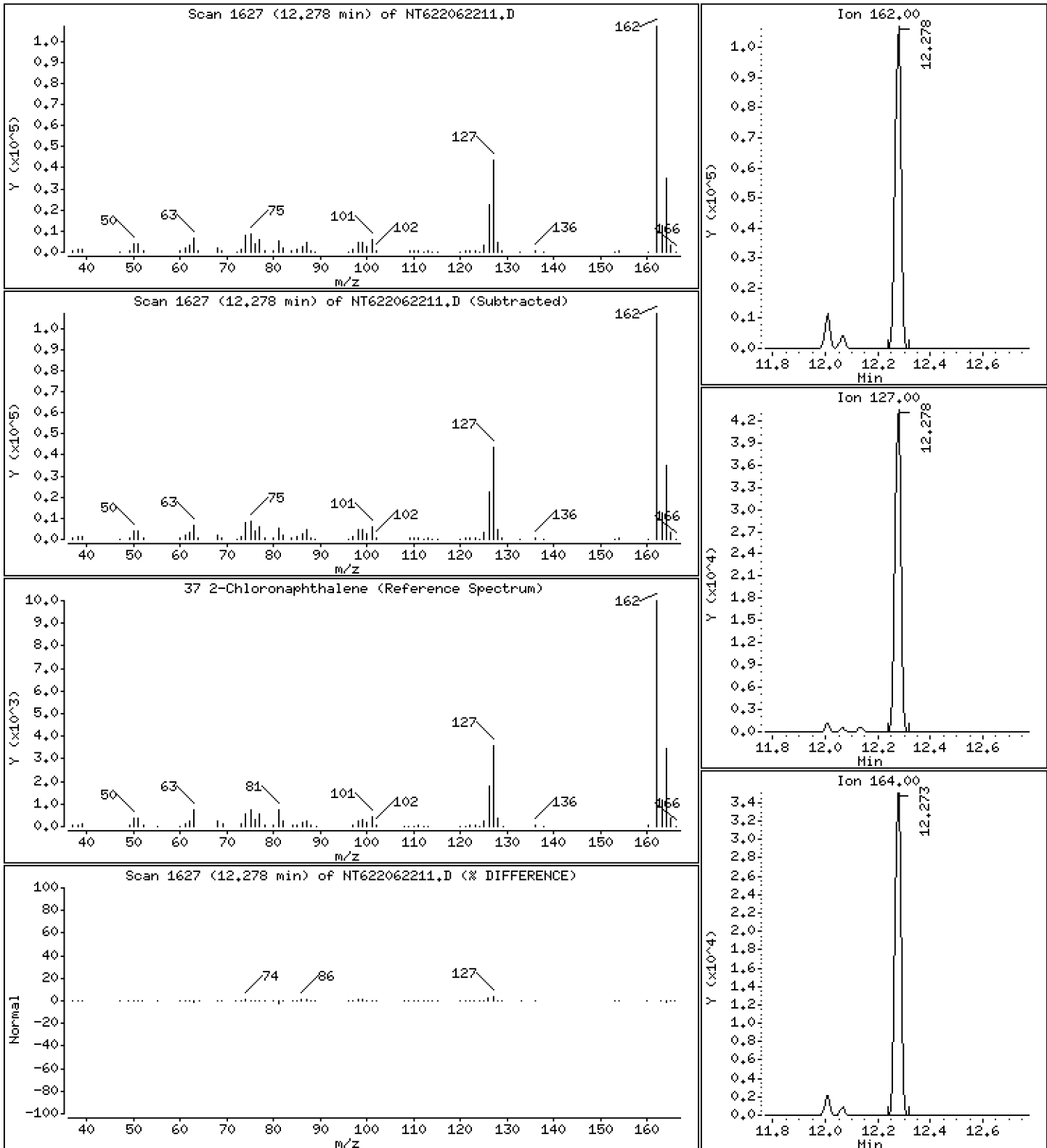
Operator: JZ

Column phase: ZB-5msi

Column diameter: 0.32

37 2-Chloronaphthalene

Concentration: 18.71 ug/mL



Date : 22-JUN-2022 16:45

Client ID:

Instrument: nt6.i

Sample Info: BKF0450-BSD1,

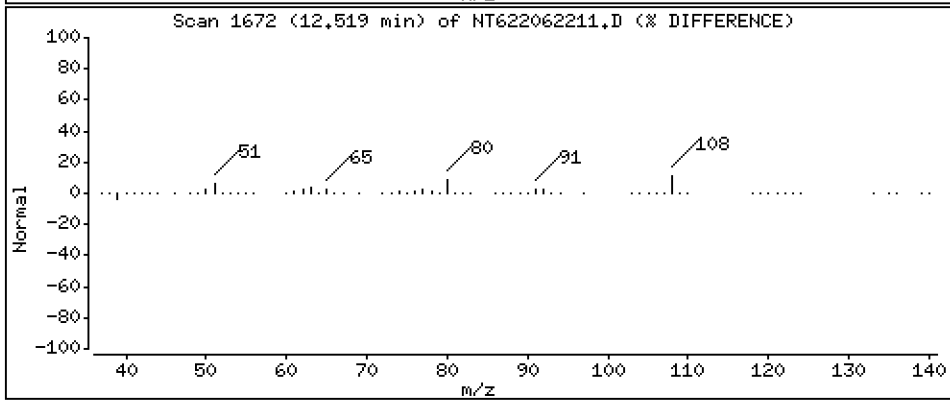
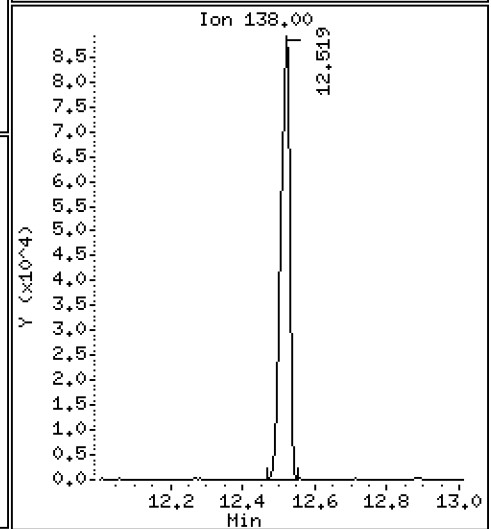
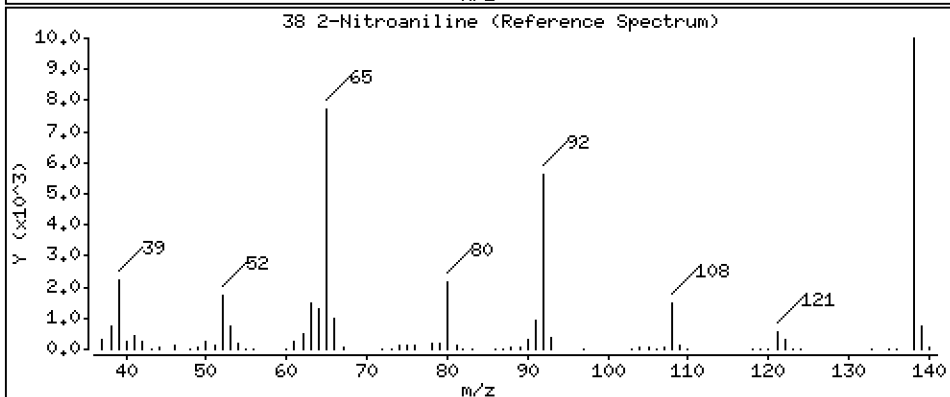
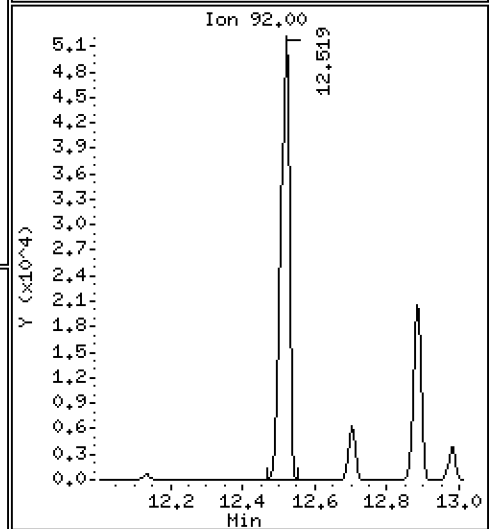
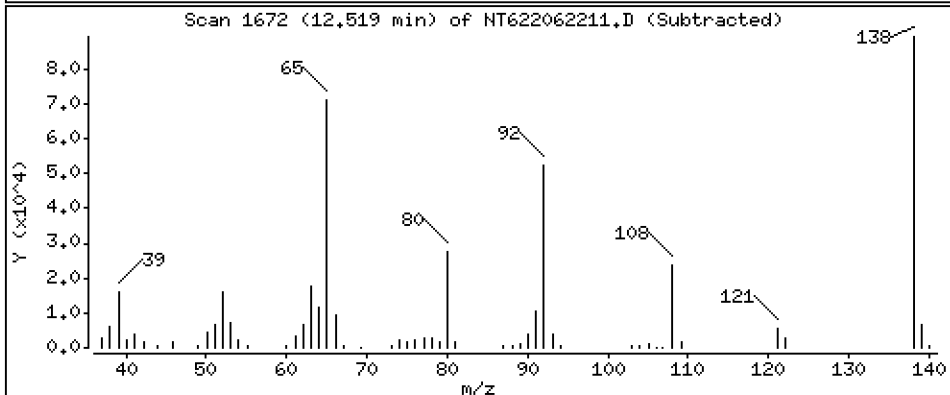
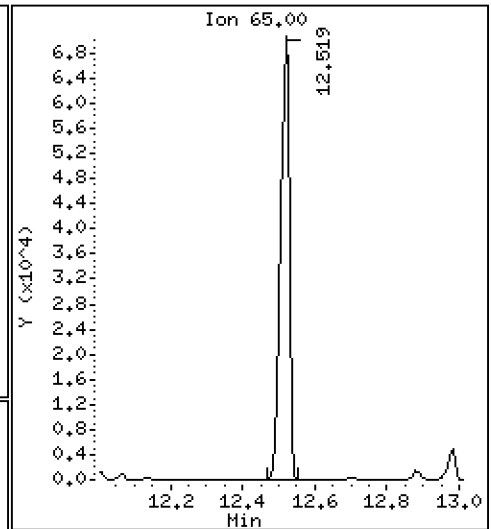
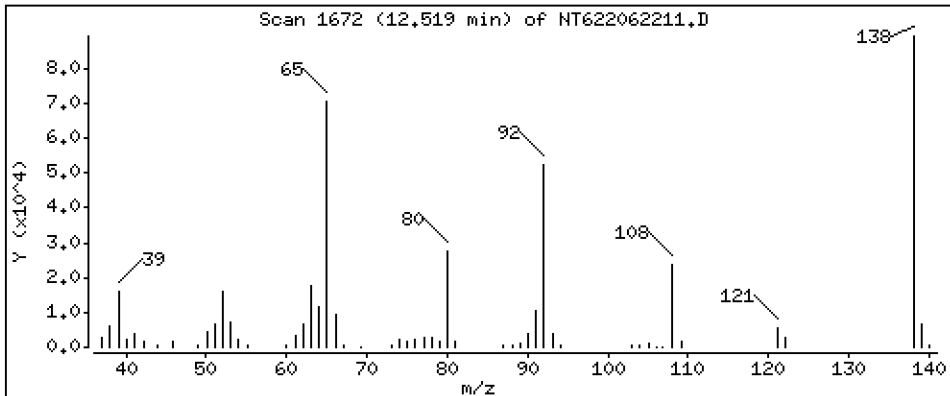
Operator: JZ

Column phase: ZB-5msi

Column diameter: 0.32

38 2-Nitroaniline

Concentration: 53.23 ug/mL



Date : 22-JUN-2022 16:45

Client ID:

Instrument: nt6.i

Sample Info: BKF0450-BSD1,

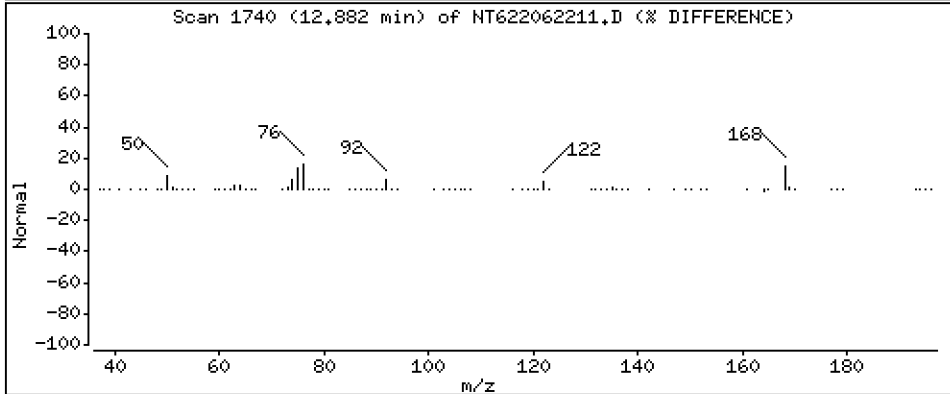
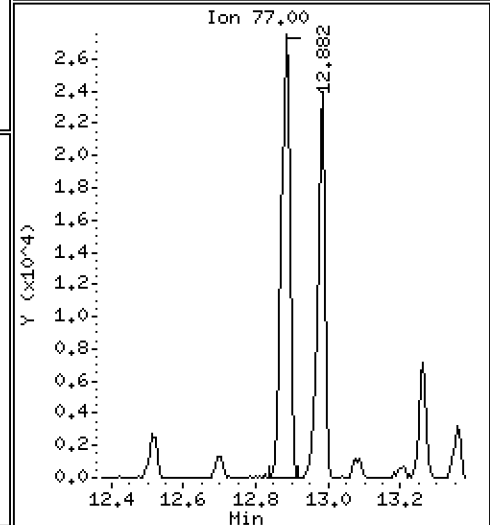
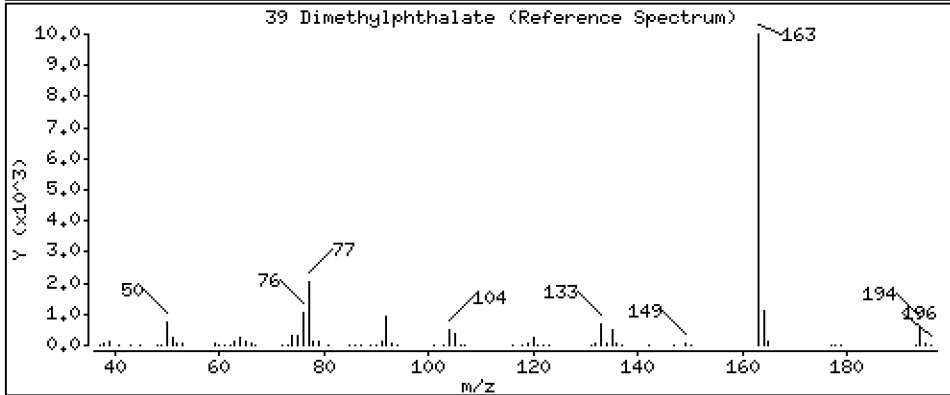
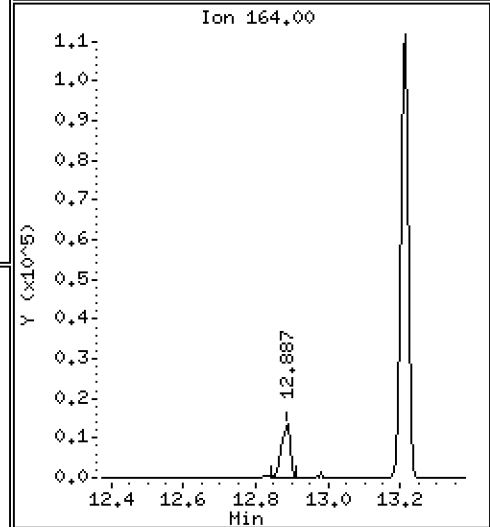
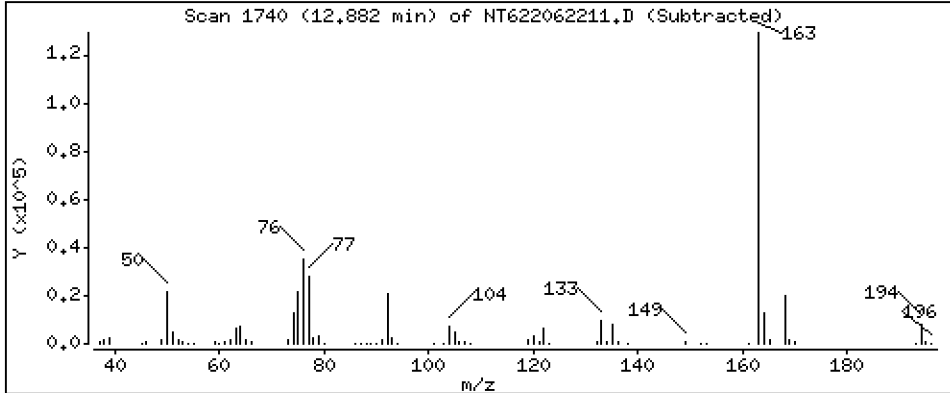
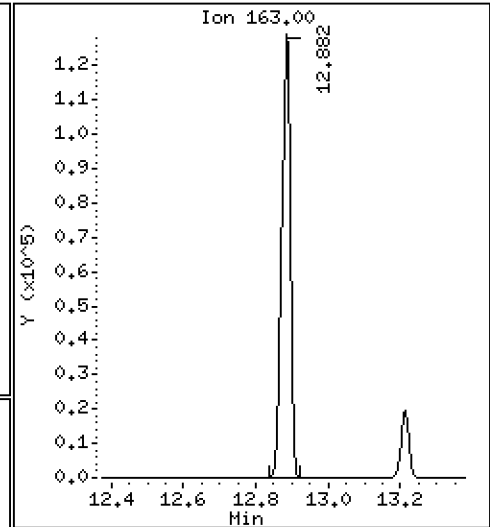
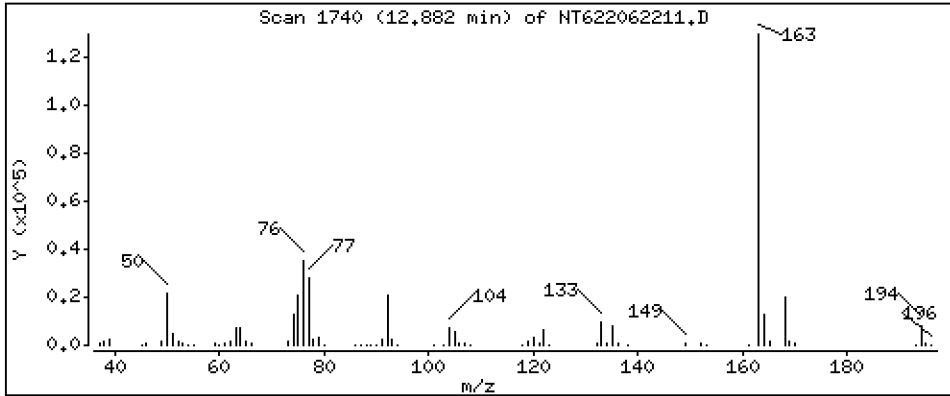
Operator: JZ

Column phase: ZB-5msi

Column diameter: 0.32

39 Dimethylphthalate

Concentration: 22,18 ug/mL



Date : 22-JUN-2022 16:45

Client ID:

Instrument: nt6.i

Sample Info: BKF0450-BSD1,

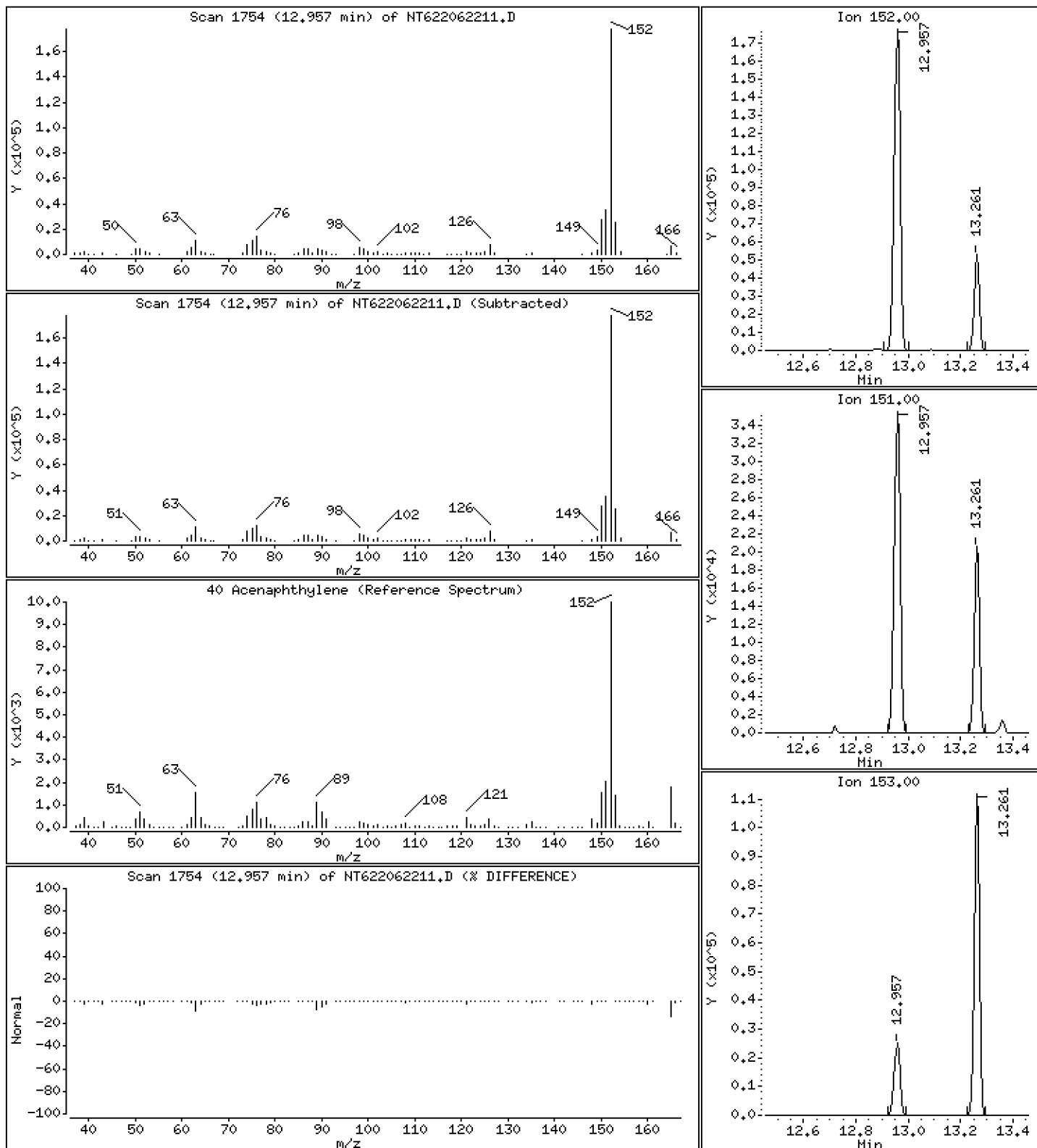
Operator: JZ

Column phase: ZB-5msi

Column diameter: 0,32

40 Acenaphthylene

Concentration: 19,25 ug/mL



Date : 22-JUN-2022 16:45

Client ID:

Instrument: nt6.i

Sample Info: BKF0450-BSD1,

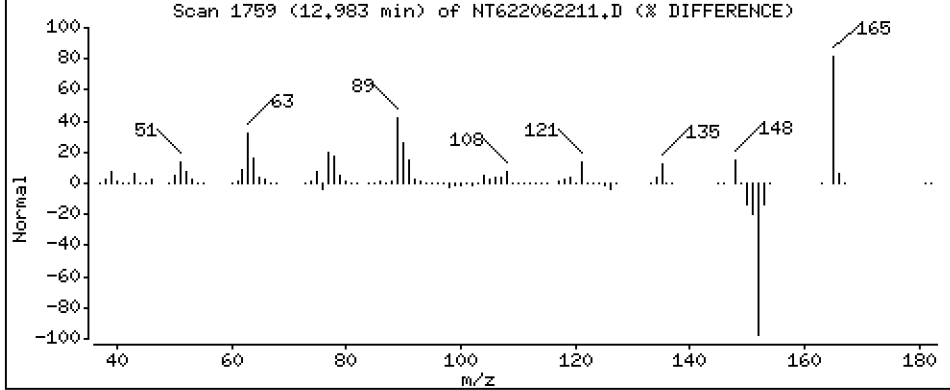
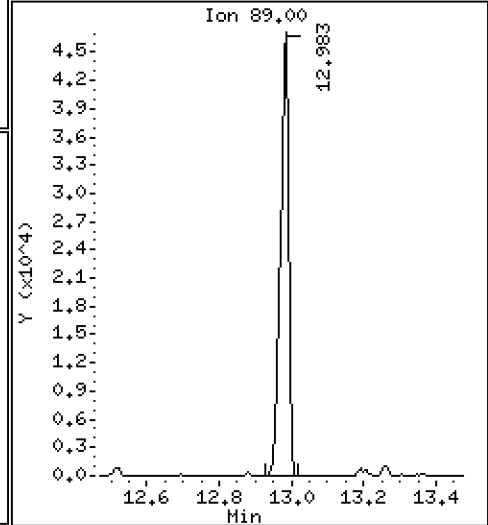
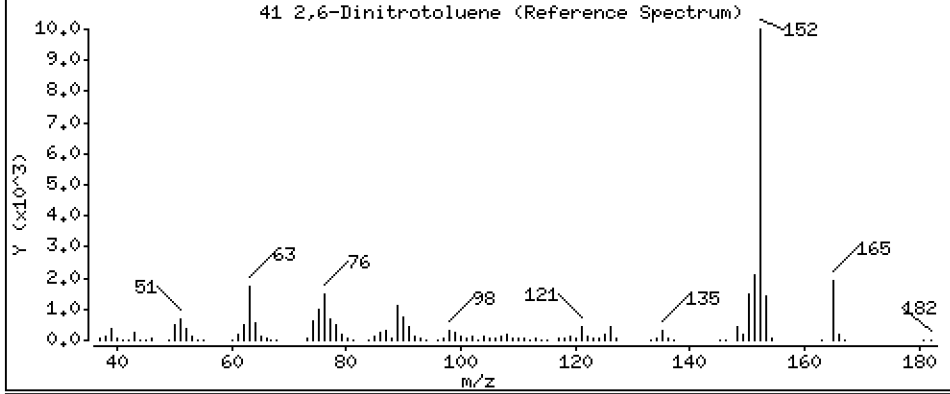
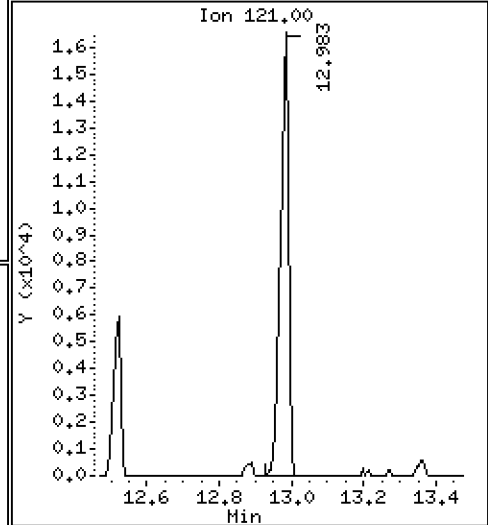
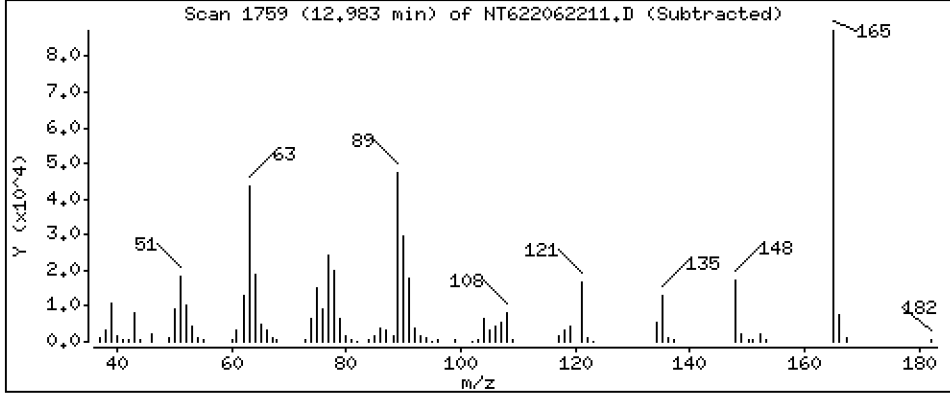
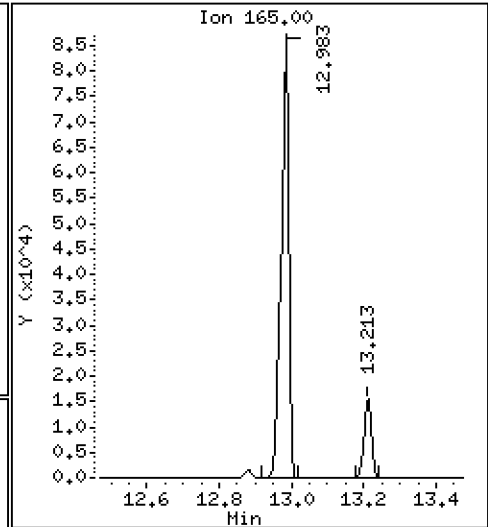
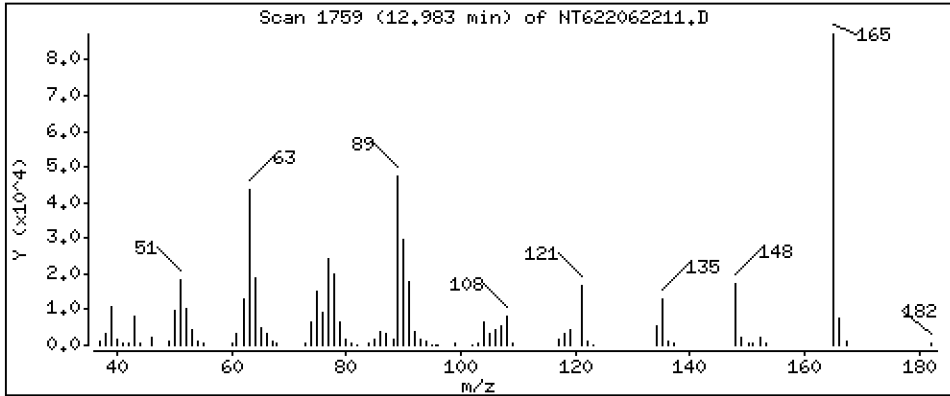
Operator: JZ

Column phase: ZB-5msi

Column diameter: 0.32

41 2,6-Dinitrotoluene

Concentration: 58.65 ug/mL



Date : 22-JUN-2022 16:45

Client ID:

Instrument: nt6.i

Sample Info: BKF0450-BSD1,

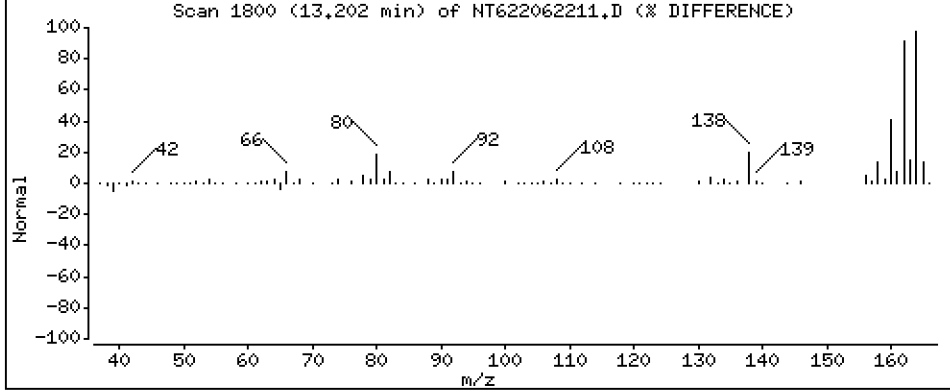
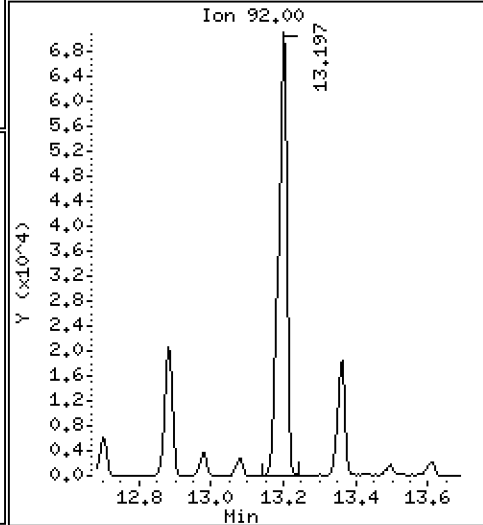
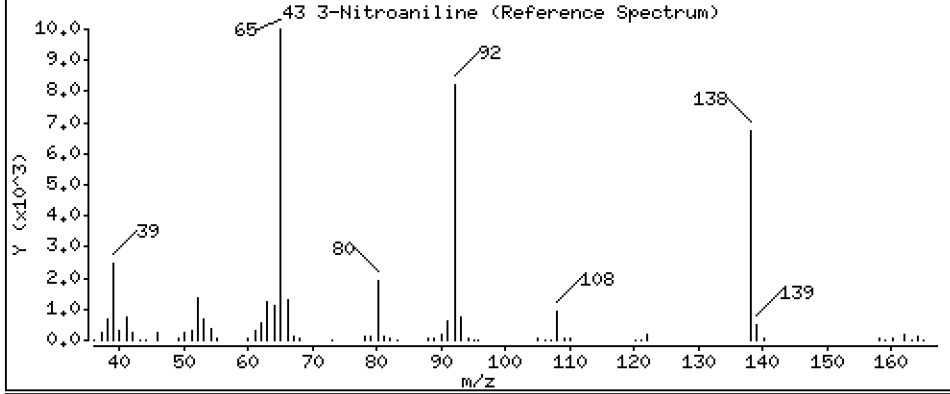
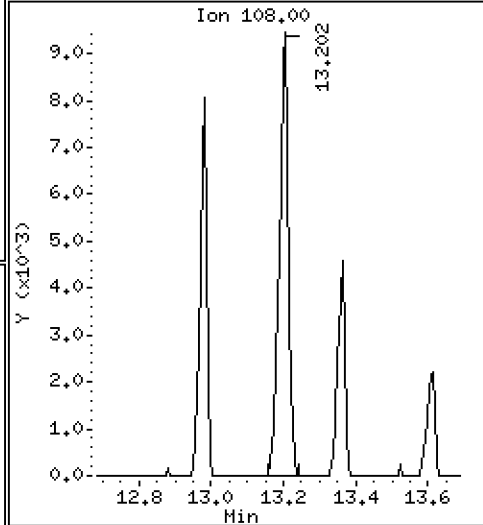
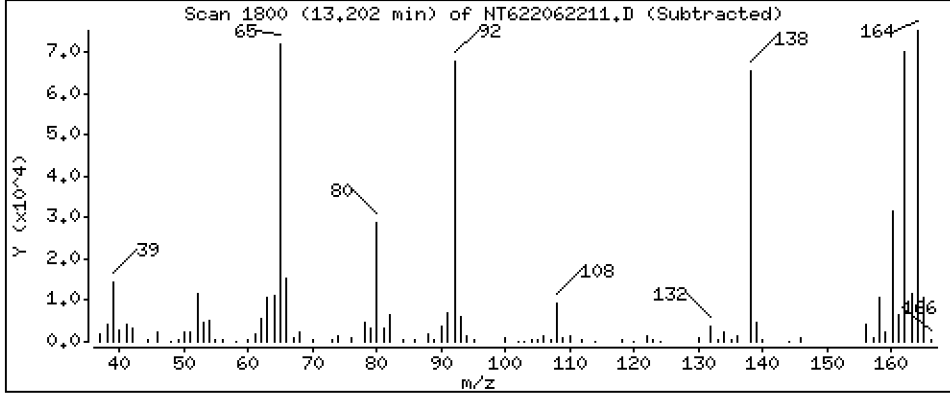
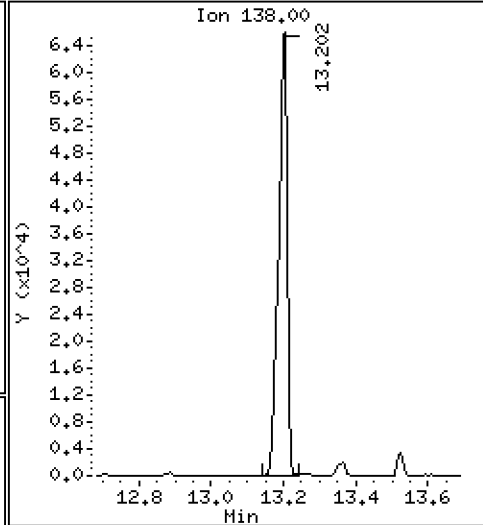
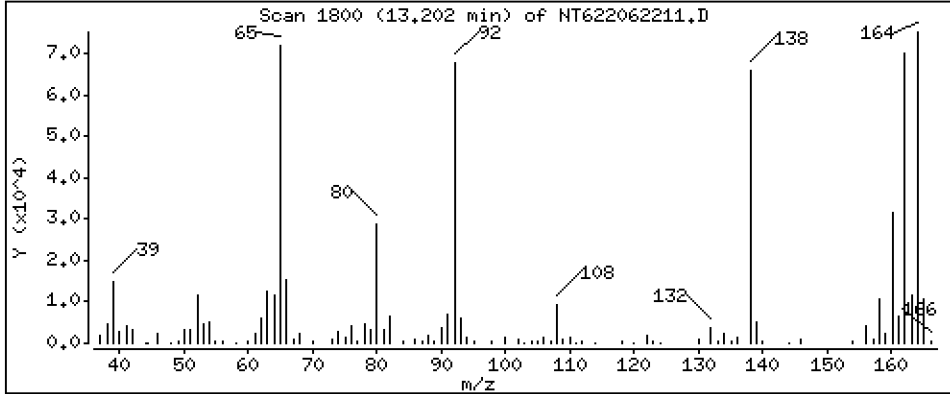
Operator: JZ

Column phase: ZB-5msi

Column diameter: 0.32

43 3-Nitroaniline

Concentration: 52.91 ug/mL



Date : 22-JUN-2022 16:45

Client ID:

Instrument: nt6.i

Sample Info: BKF0450-BSD1,

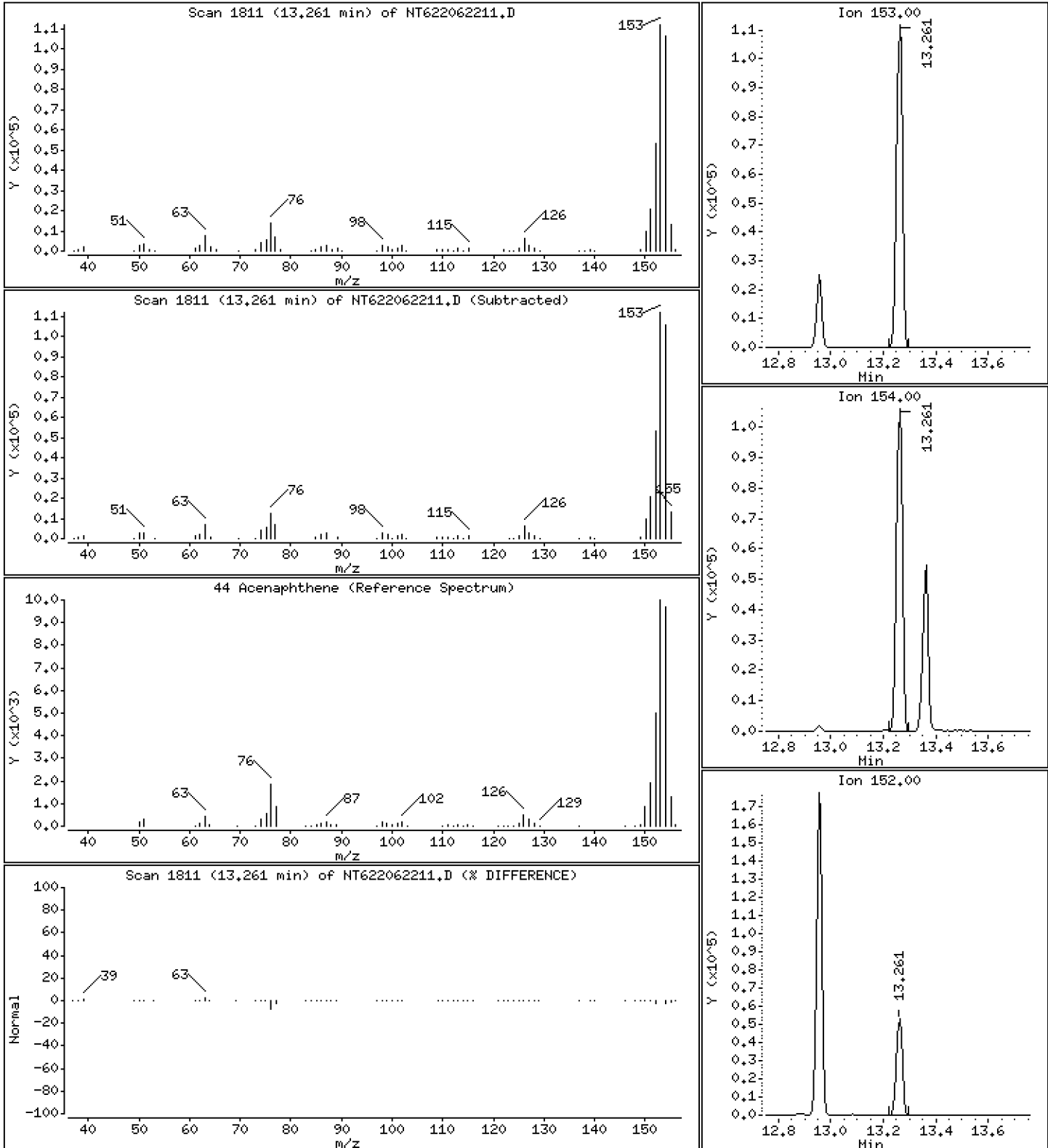
Operator: JZ

Column phase: ZB-5msi

Column diameter: 0,32

44 Acenaphthene

Concentration: 20,00 ug/mL



Date : 22-JUN-2022 16:45

Client ID:

Instrument: nt6.i

Sample Info: BKF0450-BSD1,

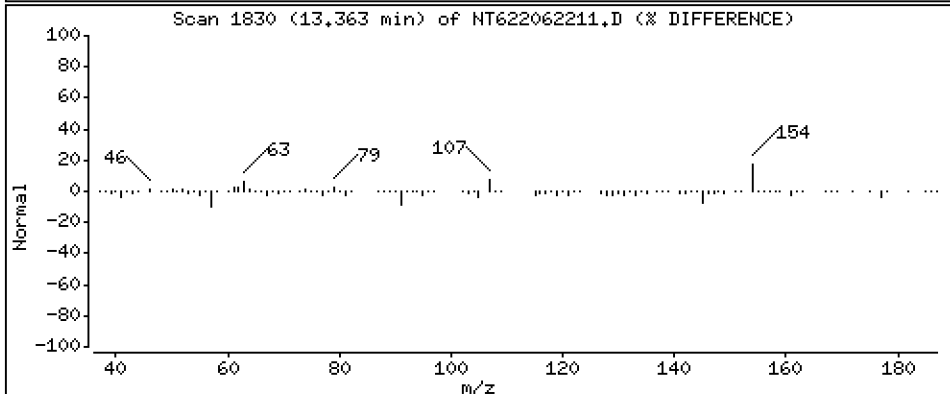
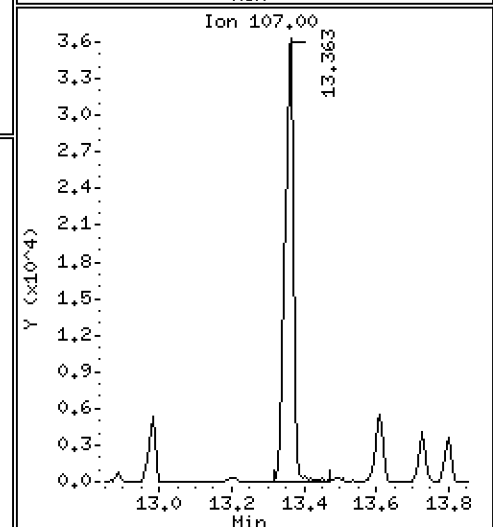
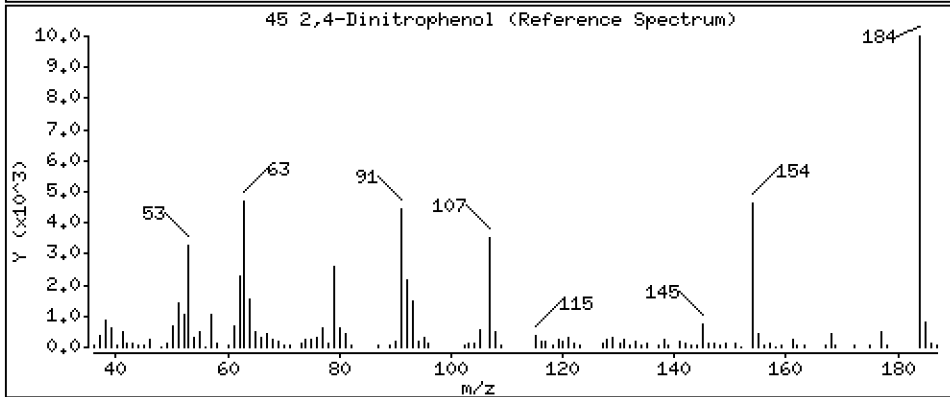
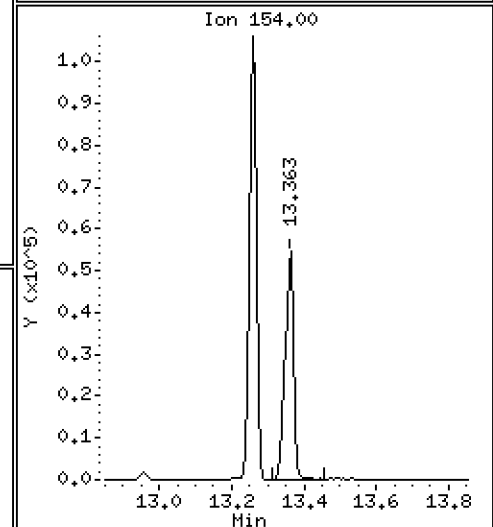
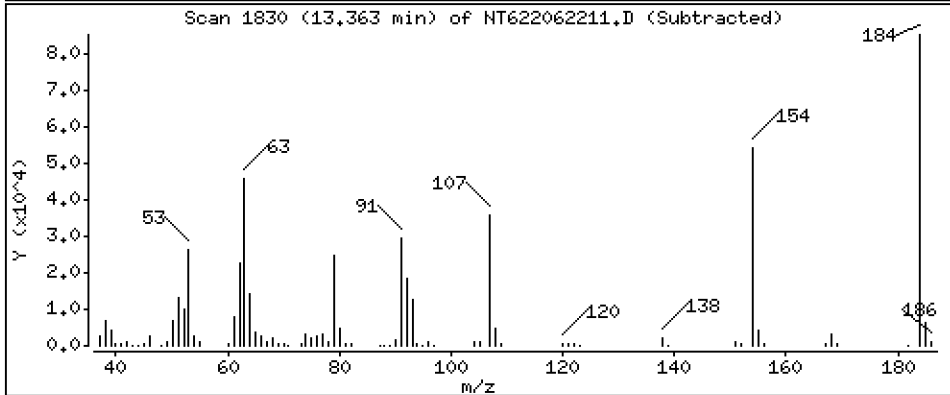
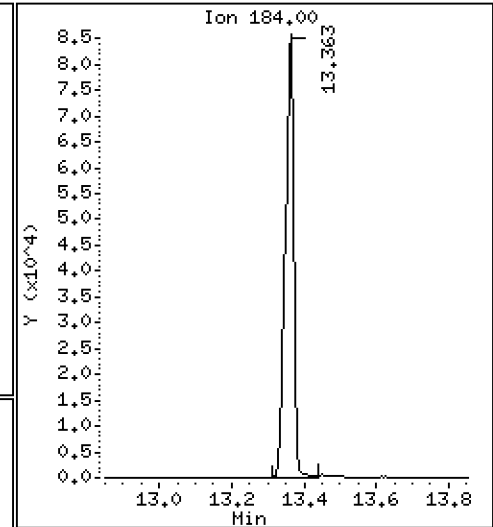
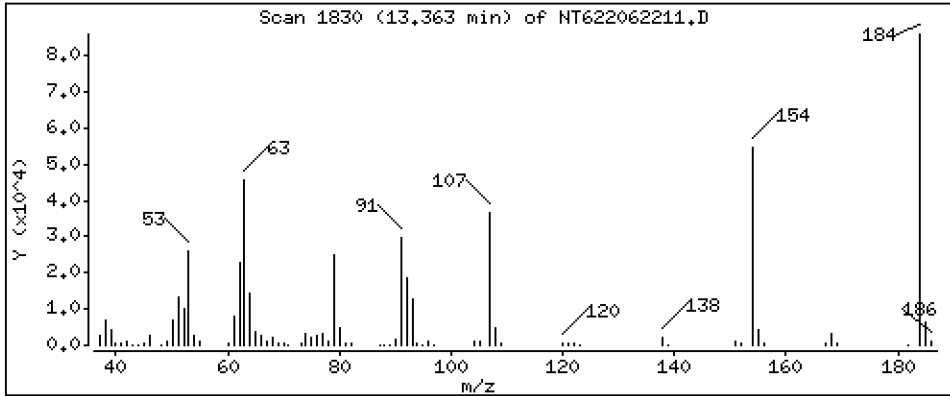
Operator: JZ

Column phase: ZB-5msi

Column diameter: 0.32

45 2,4-Dinitrophenol

Concentration: 96.87 ug/mL



Date : 22-JUN-2022 16:45

Client ID:

Instrument: nt6.i

Sample Info: BKF0450-BSD1,

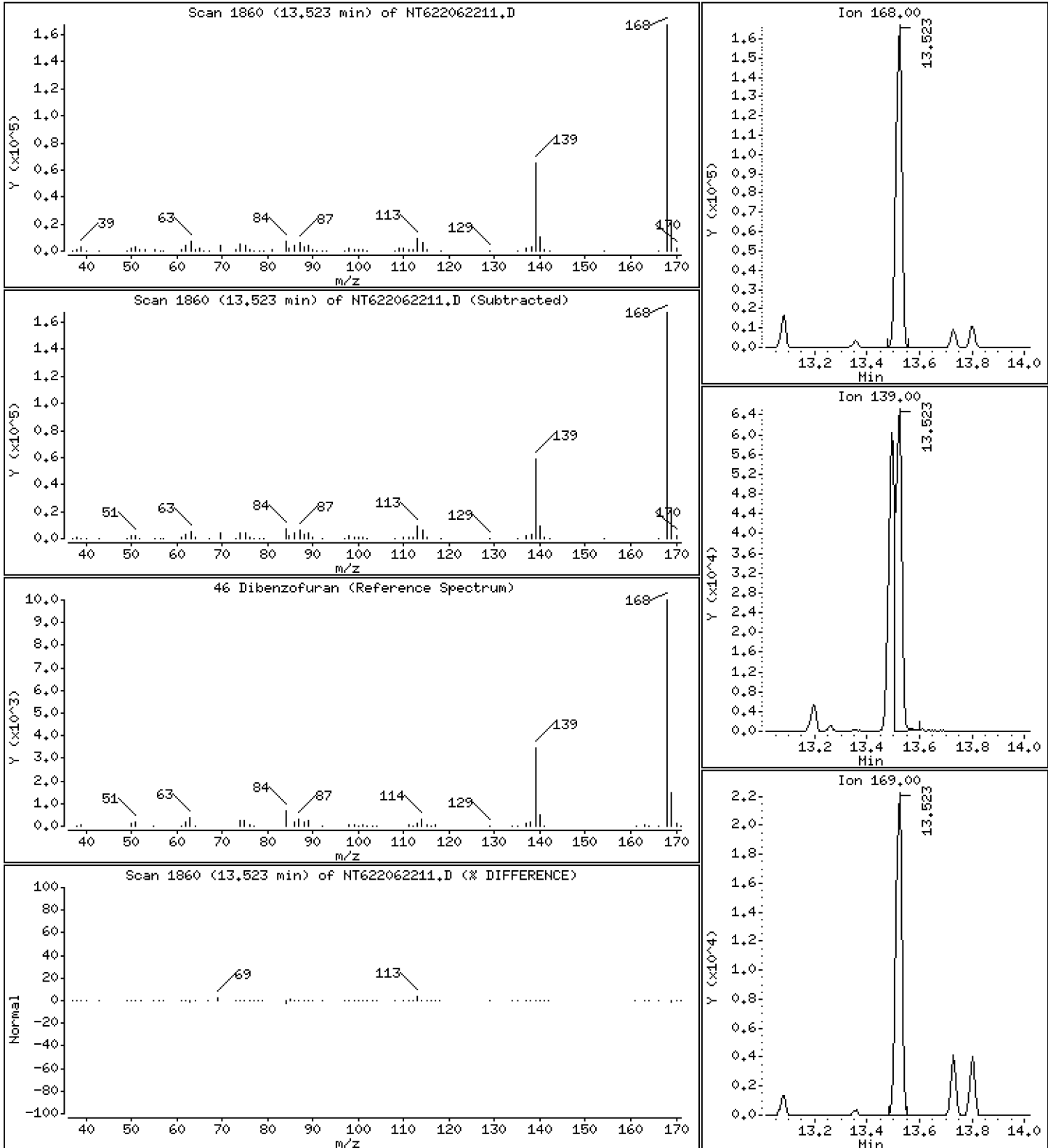
Operator: JZ

Column phase: ZB-5msi

Column diameter: 0.32

46 Dibenzofuran

Concentration: 20.87 ug/mL



Date : 22-JUN-2022 16:45

Client ID:

Instrument: nt6.i

Sample Info: BKF0450-BSD1,

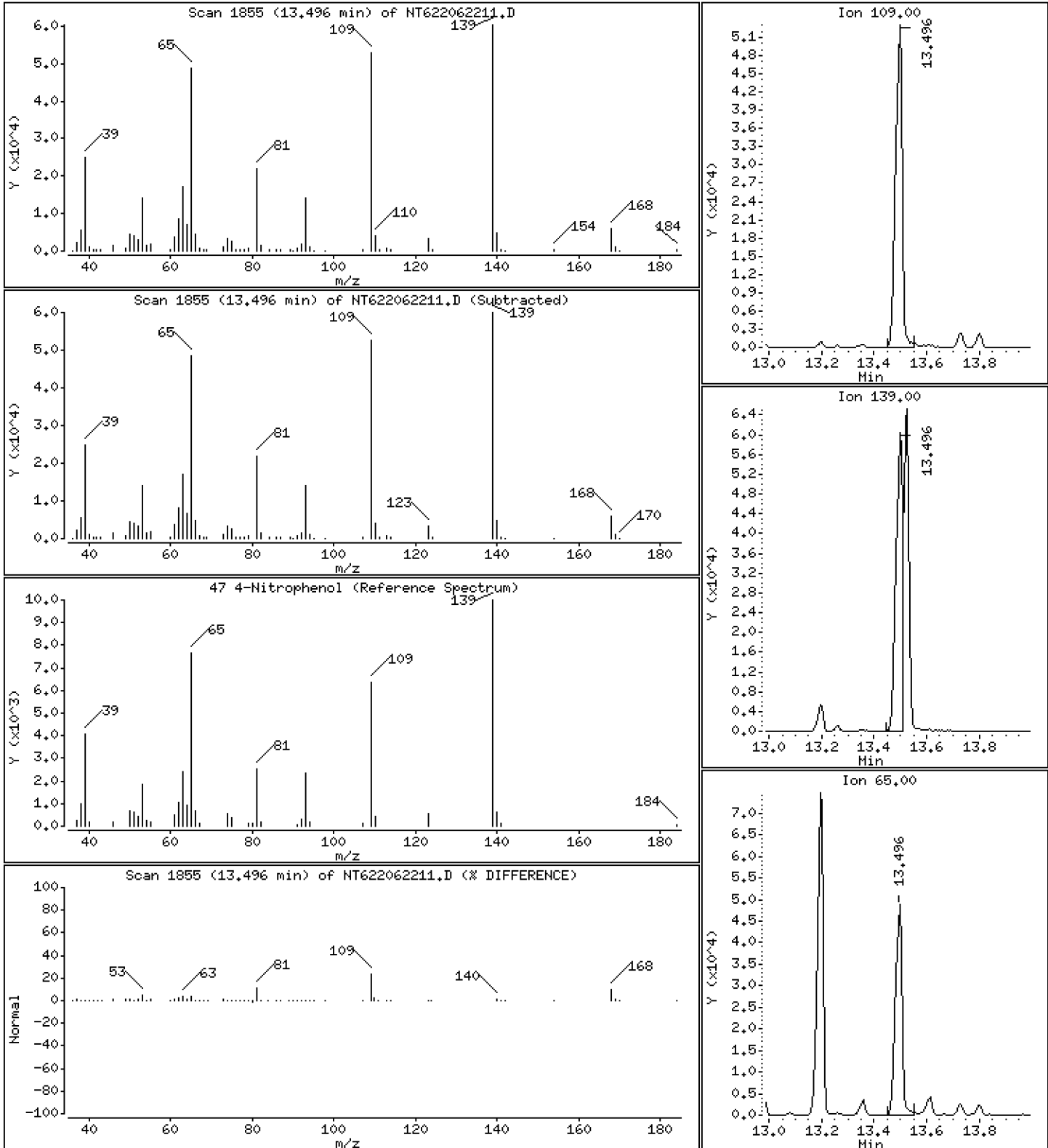
Operator: JZ

Column phase: ZB-5msi

Column diameter: 0.32

47 4-Nitrophenol

Concentration: 58.81 ug/mL



Date : 22-JUN-2022 16:45

Client ID:

Instrument: nt6.i

Sample Info: BKF0450-BSD1,

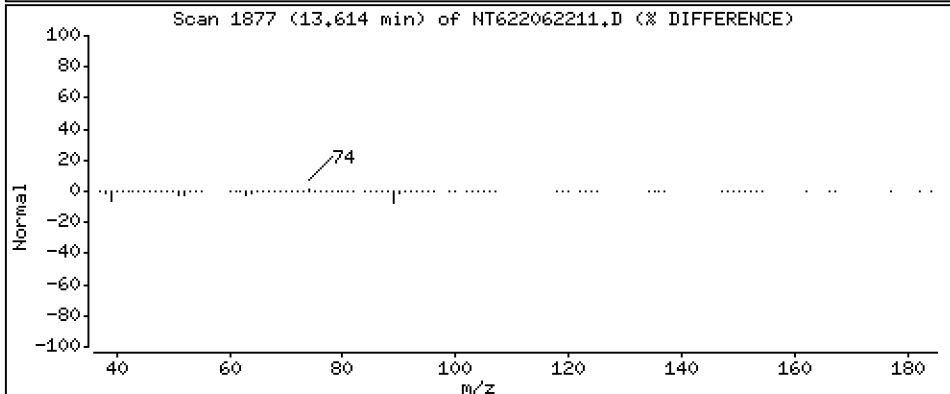
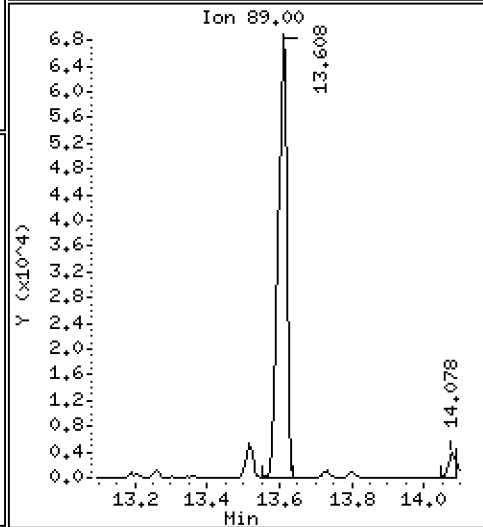
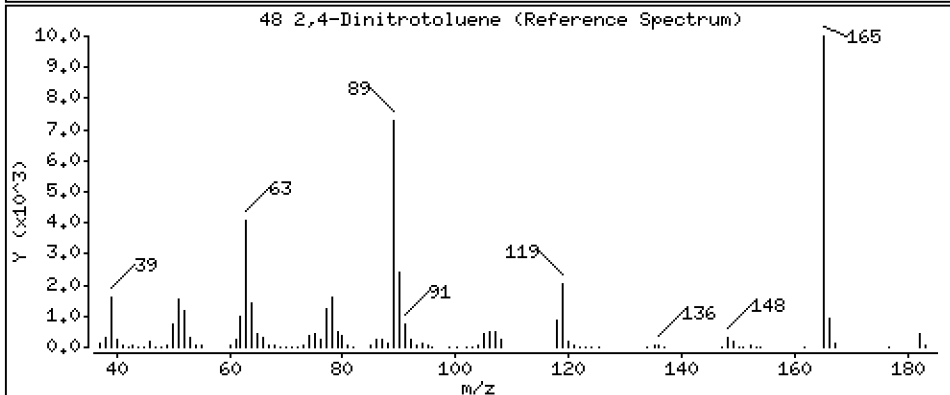
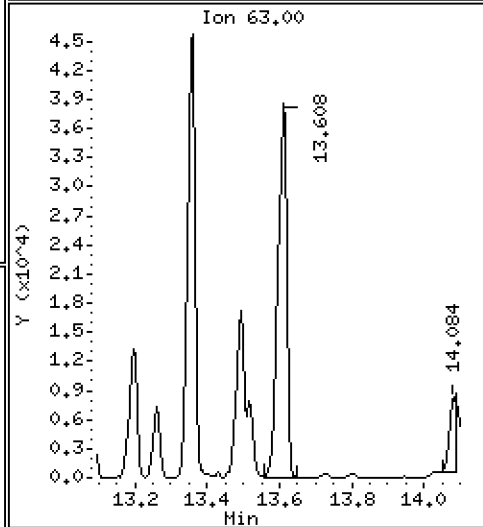
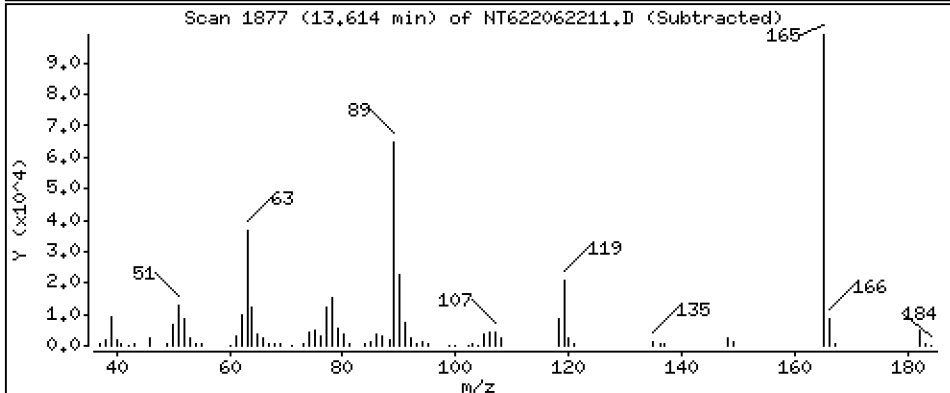
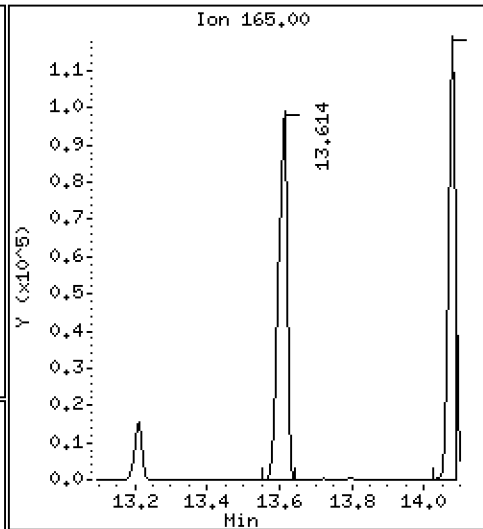
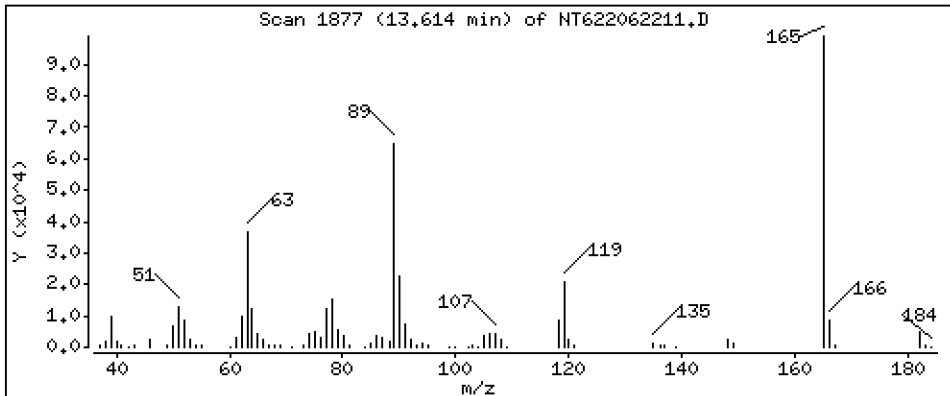
Operator: JZ

Column phase: ZB-5msi

Column diameter: 0.32

48 2,4-Dinitrotoluene

Concentration: 58.70 ug/mL



Date : 22-JUN-2022 16:45

Client ID:

Instrument: nt6.i

Sample Info: BKF0450-BSD1,

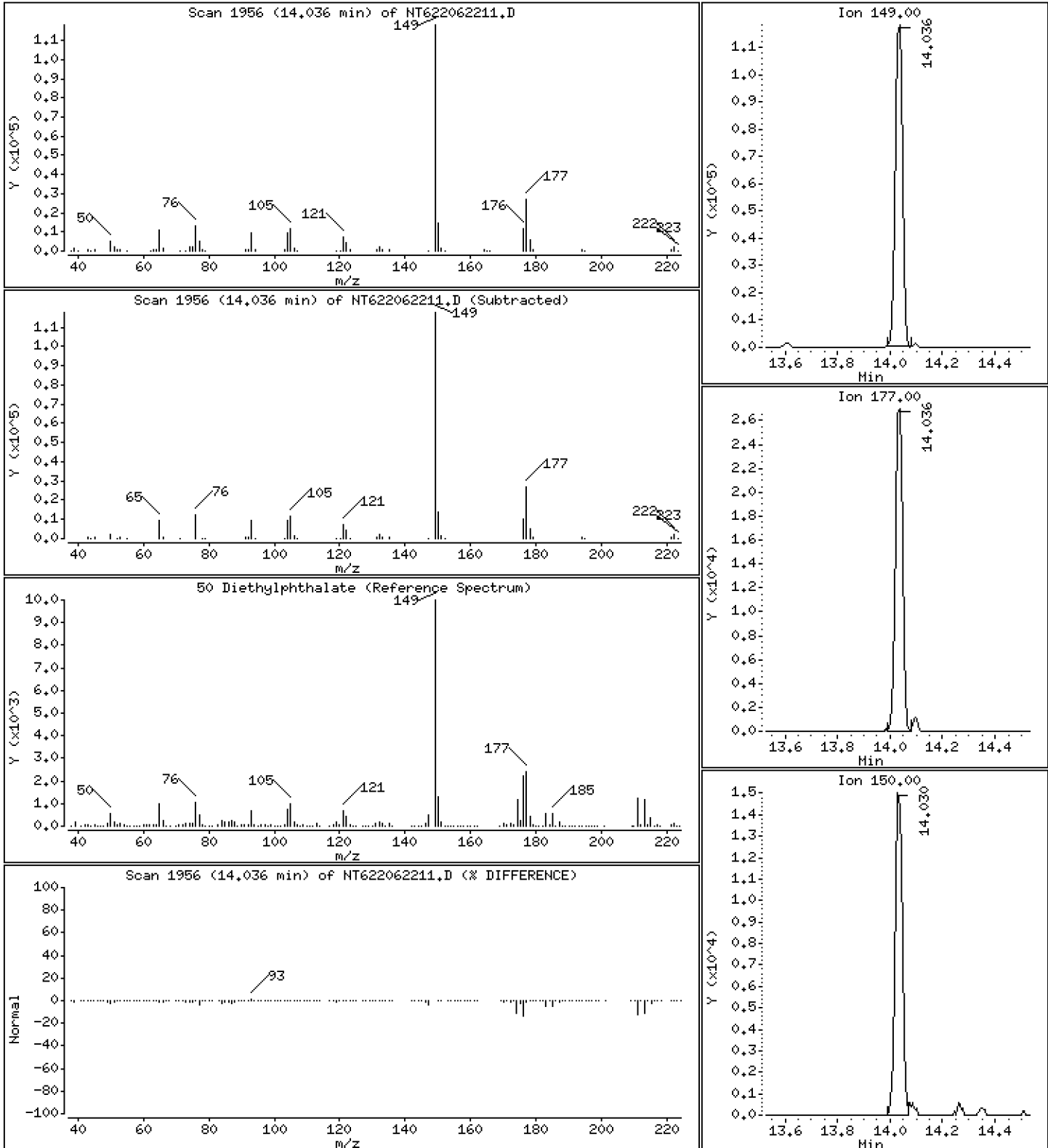
Operator: JZ

Column phase: ZB-5msi

Column diameter: 0,32

50 Diethylphthalate

Concentration: 23,45 ug/mL



Date : 22-JUN-2022 16:45

Client ID:

Instrument: nt6.i

Sample Info: BKF0450-BSD1,

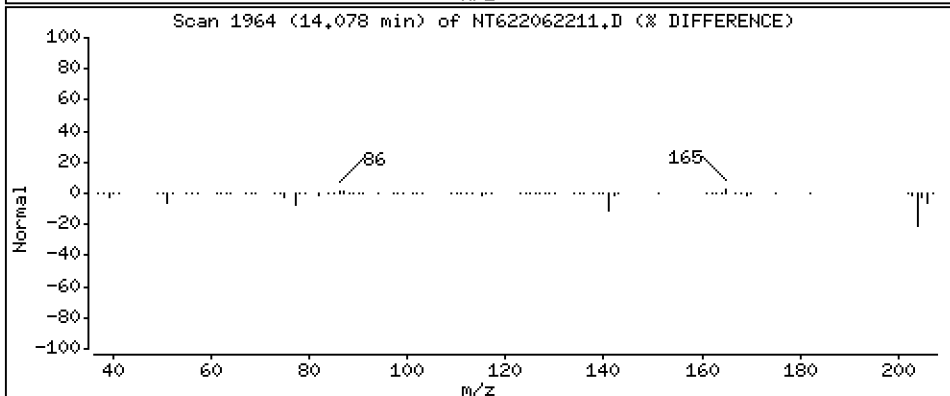
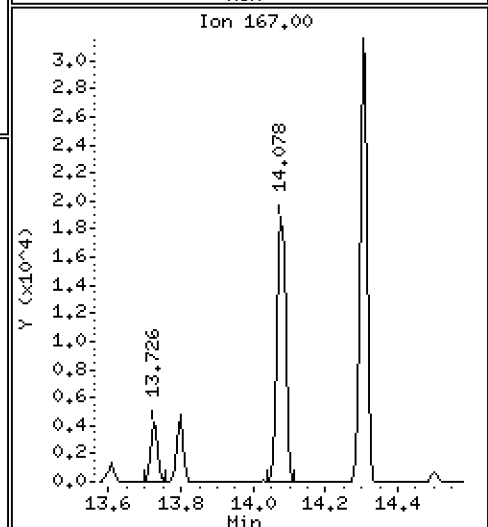
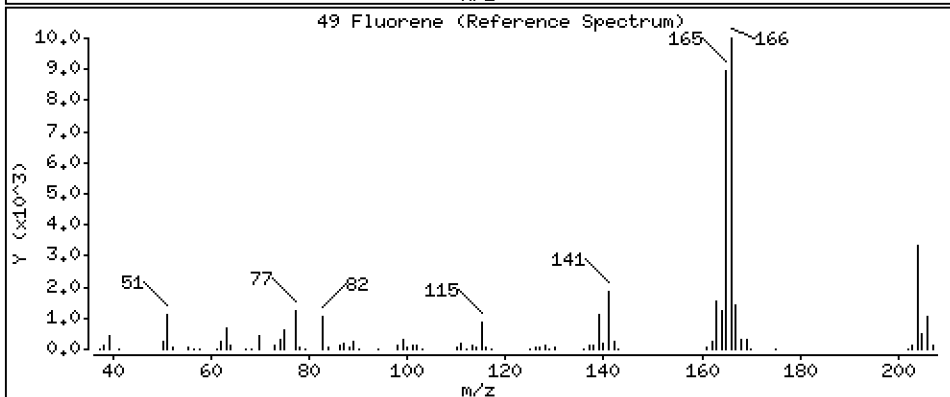
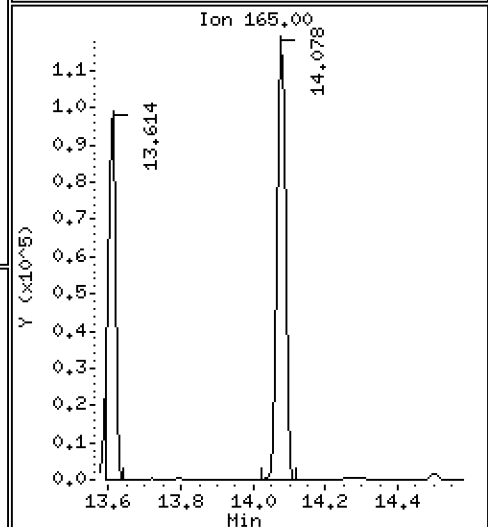
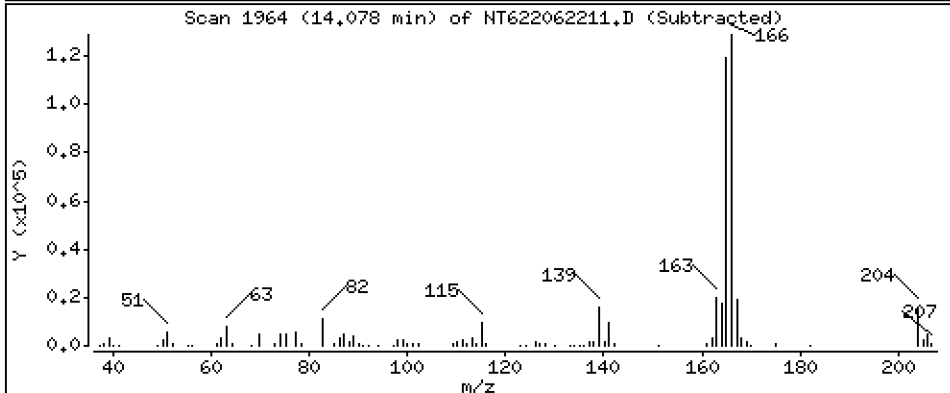
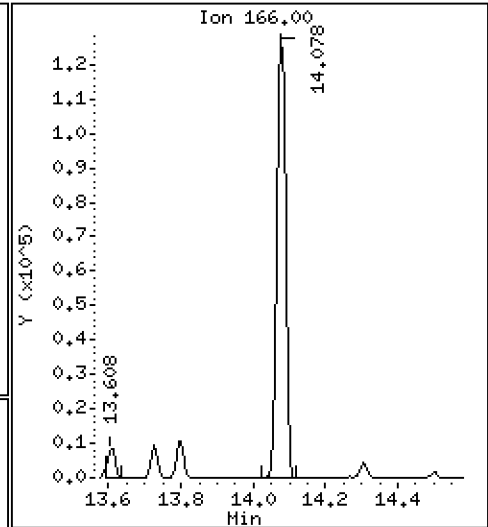
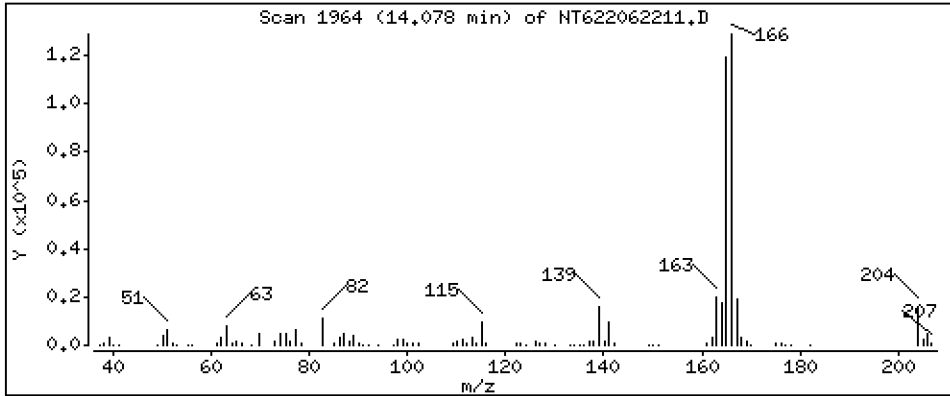
Operator: JZ

Column phase: ZB-5msi

Column diameter: 0.32

49 Fluorene

Concentration: 20.82 ug/mL



Date : 22-JUN-2022 16:45

Client ID:

Instrument: nt6.i

Sample Info: BKF0450-BSD1,

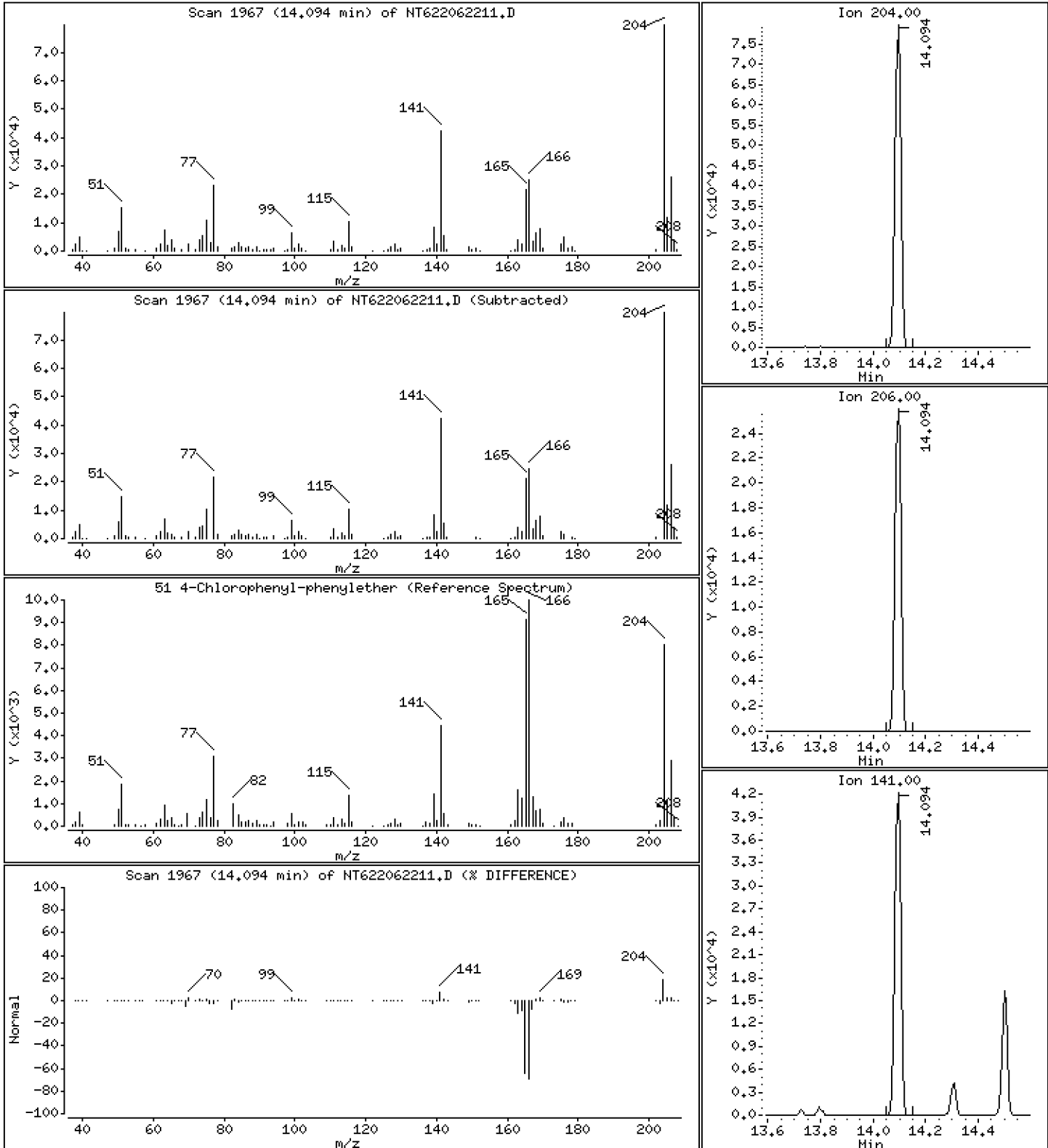
Operator: JZ

Column phase: ZB-5msi

Column diameter: 0,32

51 4-Chlorophenyl-phenylether

Concentration: 21,50 ug/mL



Date : 22-JUN-2022 16:45

Client ID:

Instrument: nt6.i

Sample Info: BKF0450-BSD1,

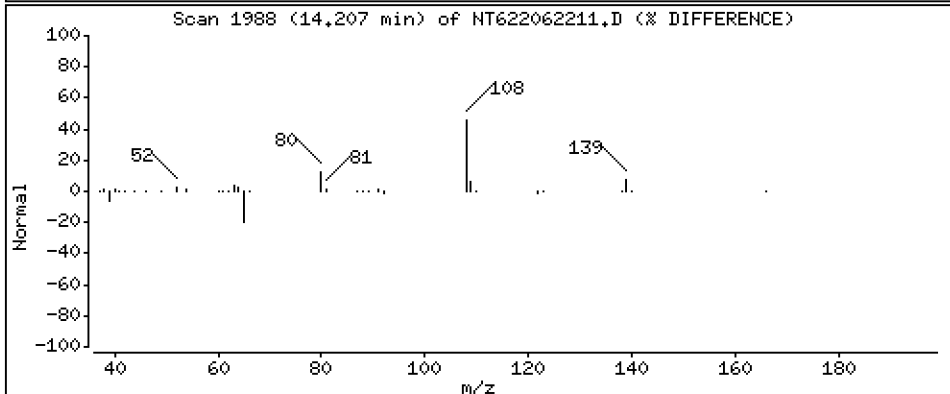
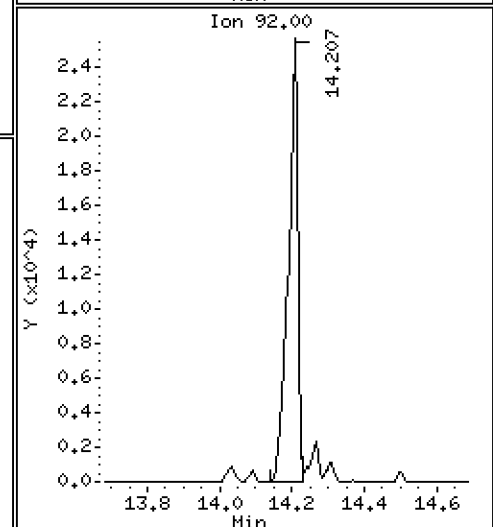
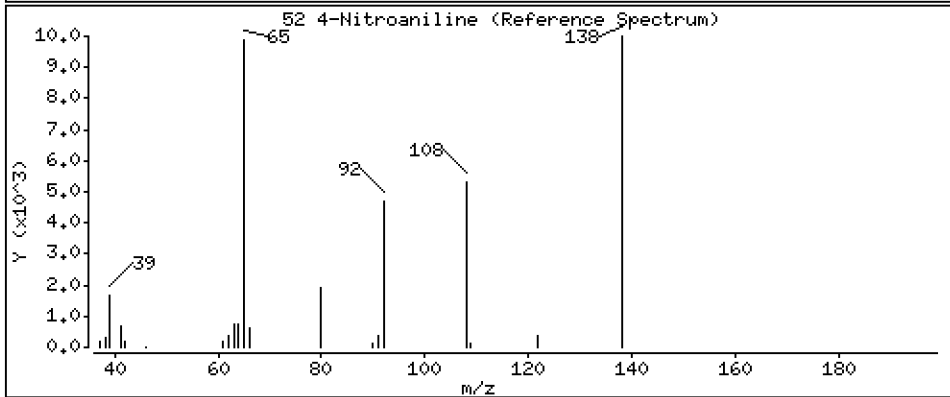
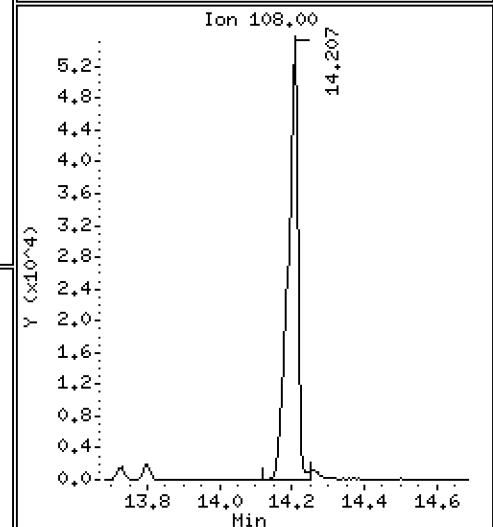
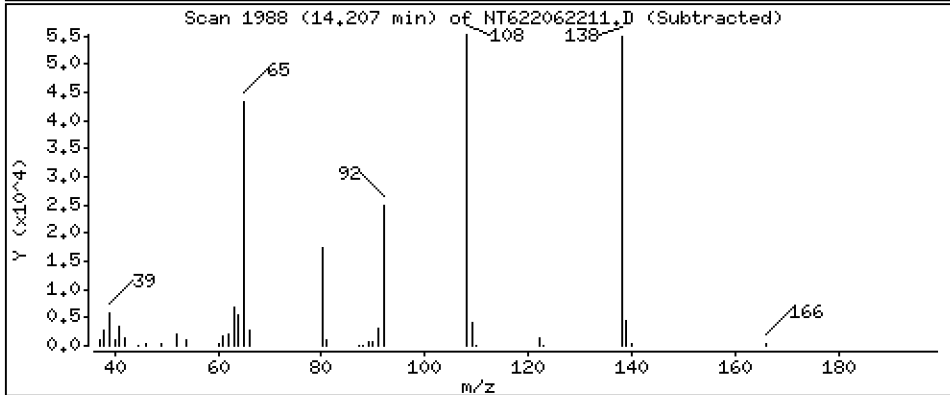
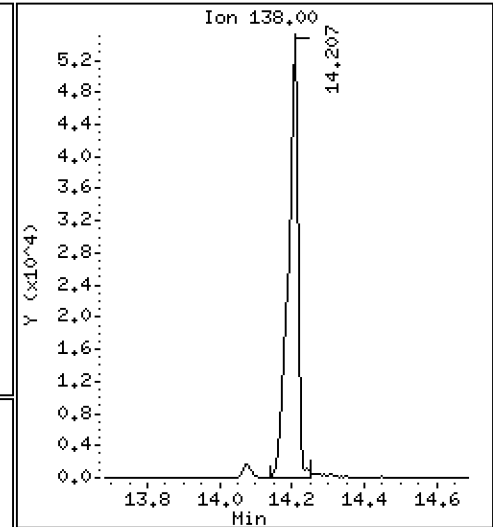
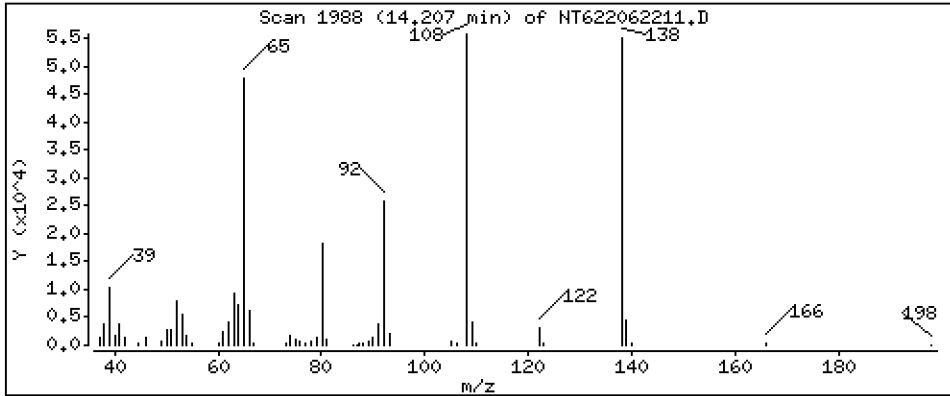
Operator: JZ

Column phase: ZB-5msi

Column diameter: 0,32

52 4-Nitroaniline

Concentration: 55,23 ug/mL



Date : 22-JUN-2022 16:45

Client ID:

Instrument: nt6.i

Sample Info: BKF0450-BSD1,

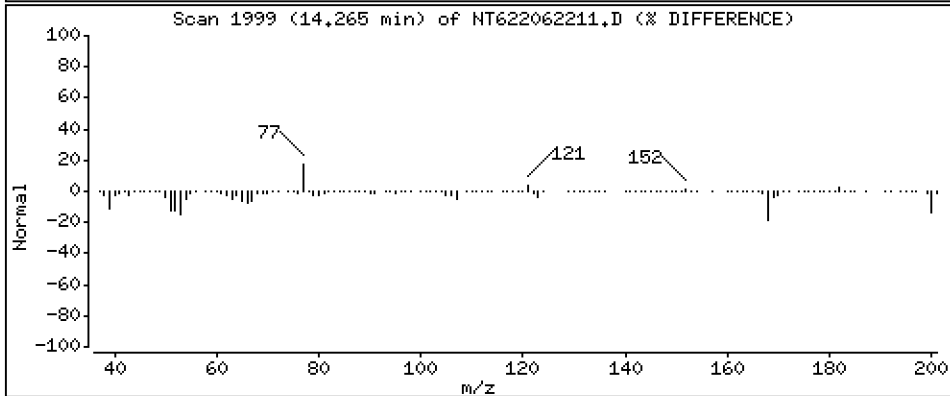
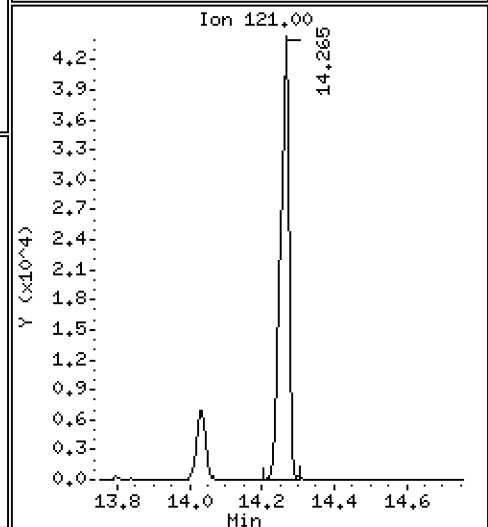
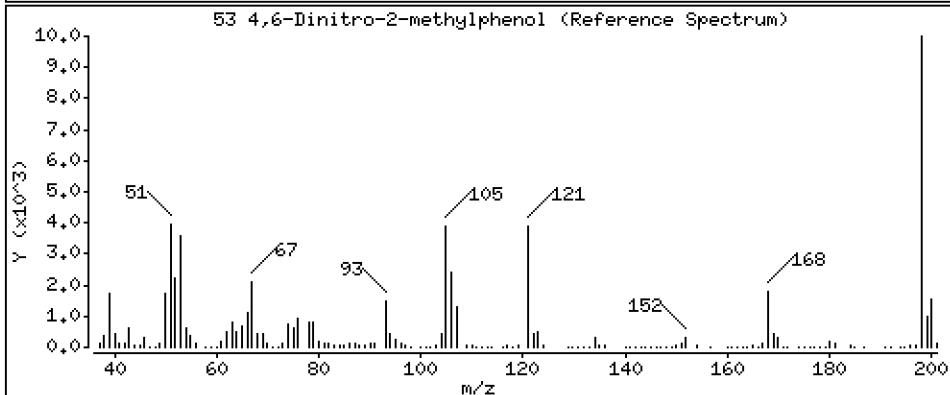
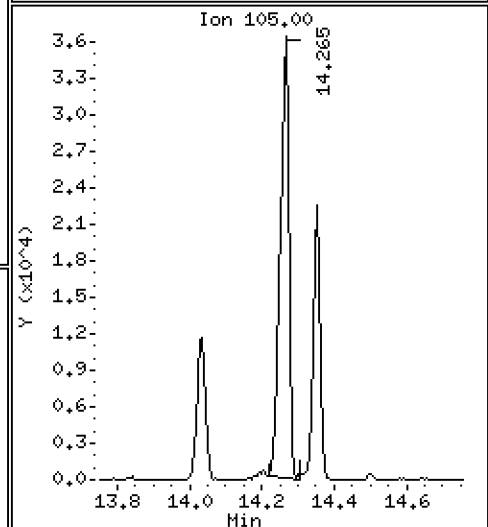
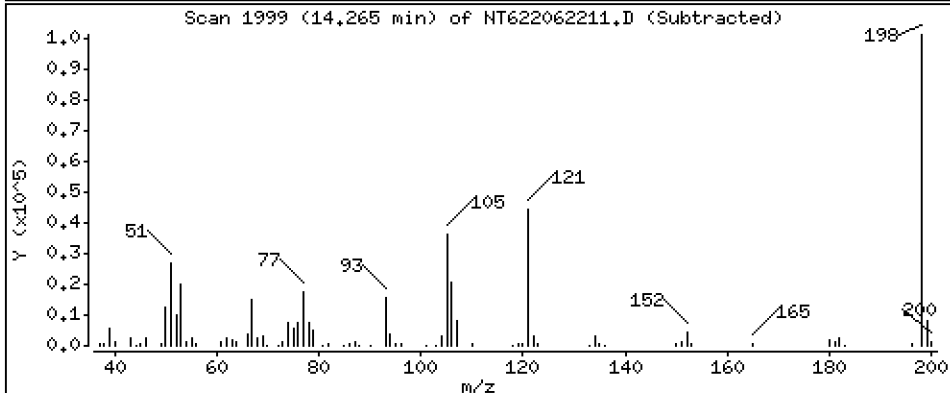
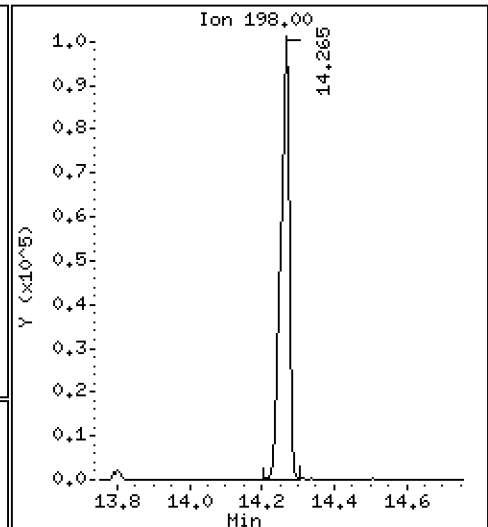
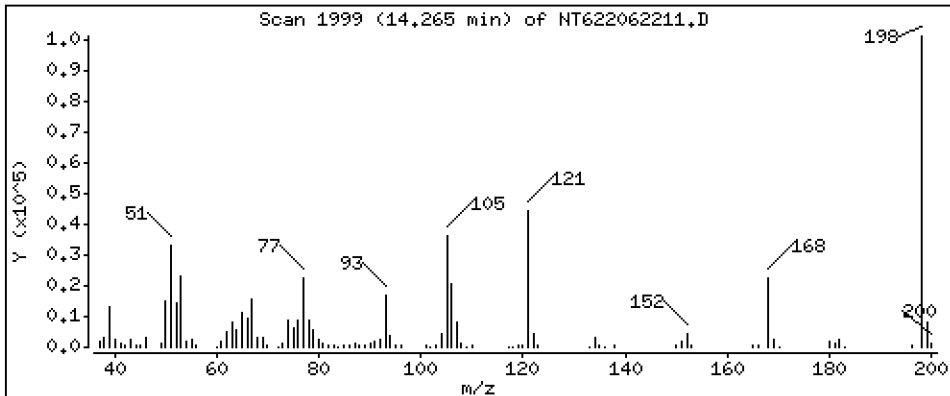
Operator: JZ

Column phase: ZB-5msi

Column diameter: 0.32

53 4,6-Dinitro-2-methylphenol

Concentration: 93.54 ug/mL



Date : 22-JUN-2022 16:45

Client ID:

Instrument: nt6.i

Sample Info: BKF0450-BSD1,

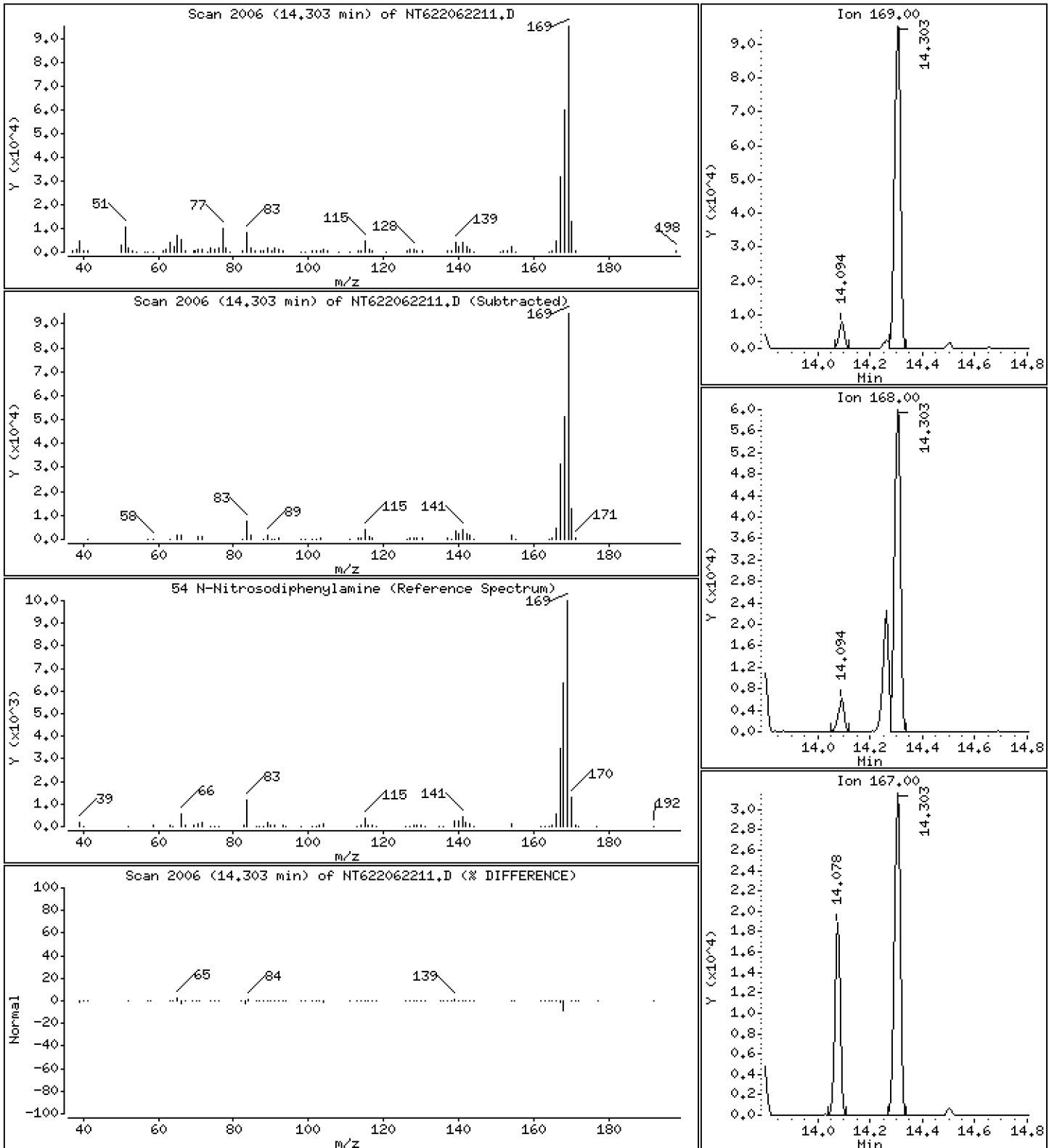
Operator: JZ

Column phase: ZB-5msi

Column diameter: 0.32

54 N-Nitrosodiphenylamine

Concentration: 19.67 ug/mL



Date : 22-JUN-2022 16:45

Client ID:

Instrument: nt6.i

Sample Info: BKF0450-BSD1,

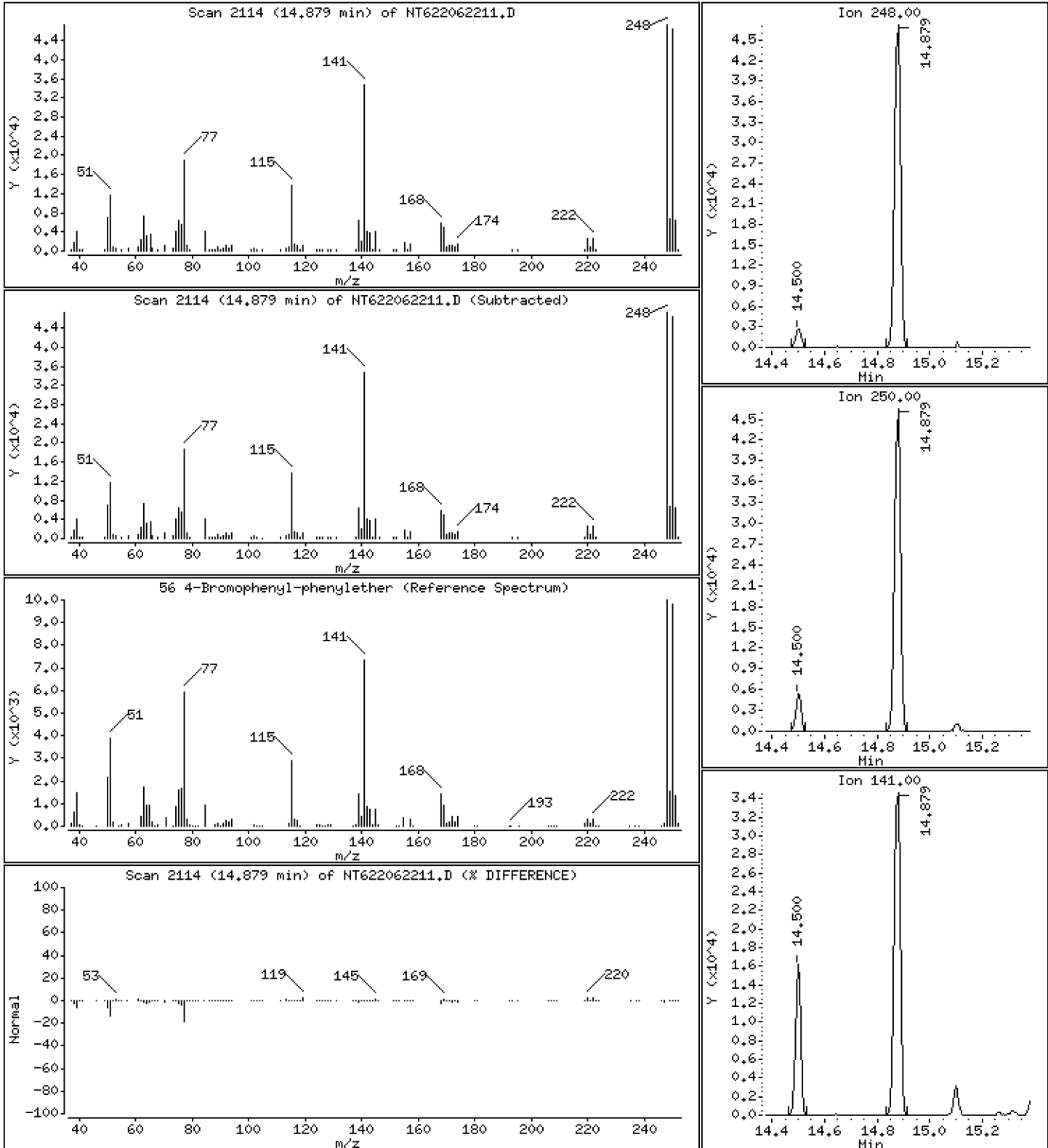
Operator: JZ

Column phase: ZB-5msi

Column diameter: 0.32

56 4-Bromophenyl-phenylether

Concentration: 22.84 ug/mL



Date : 22-JUN-2022 16:45

Client ID:

Instrument: nt6.i

Sample Info: BKF0450-BSD1,

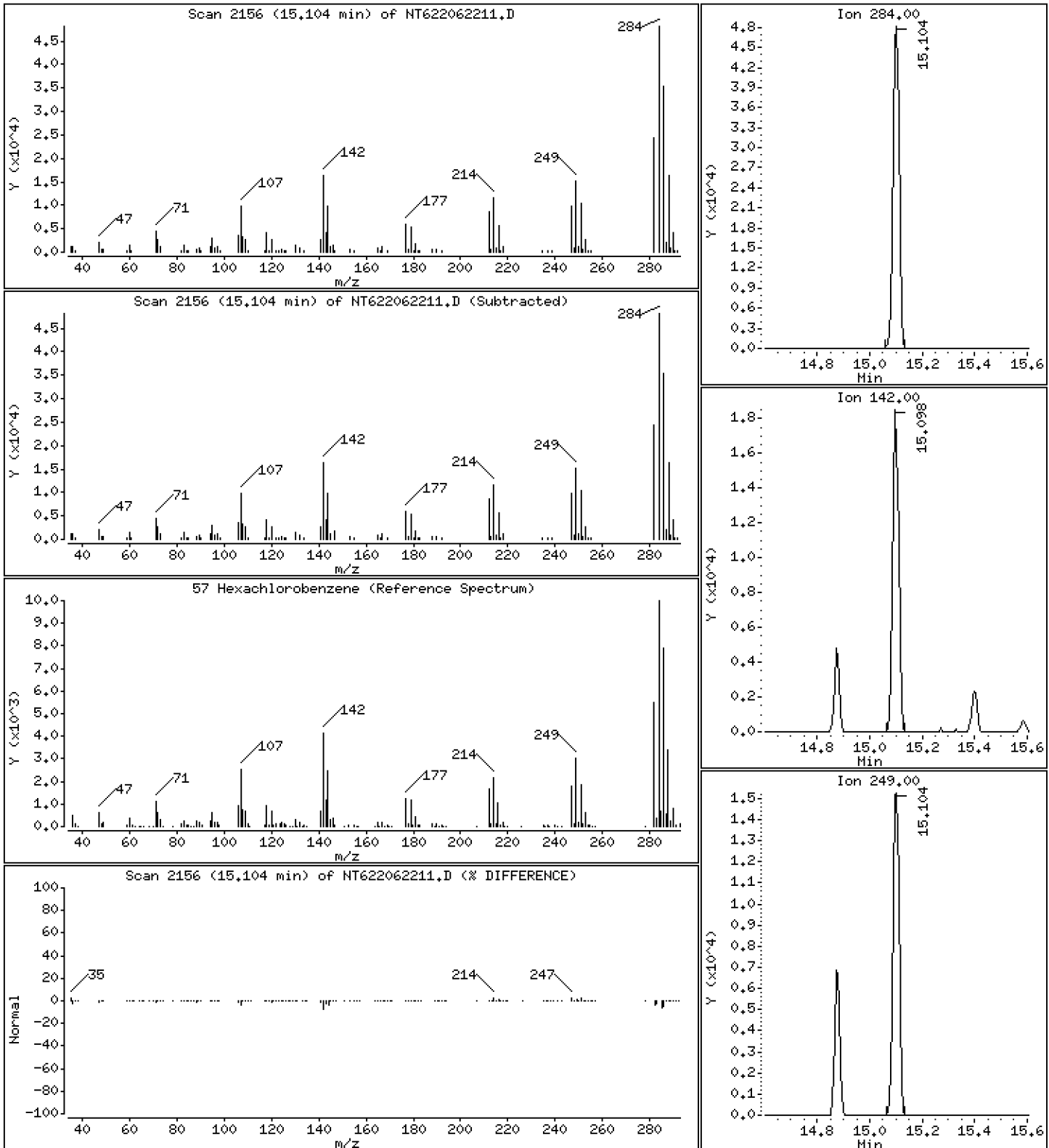
Operator: JZ

Column phase: ZB-5msi

Column diameter: 0.32

57 Hexachlorobenzene

Concentration: 22.09 ug/mL



Date : 22-JUN-2022 16:45

Client ID:

Instrument: nt6.i

Sample Info: BKF0450-BSD1,

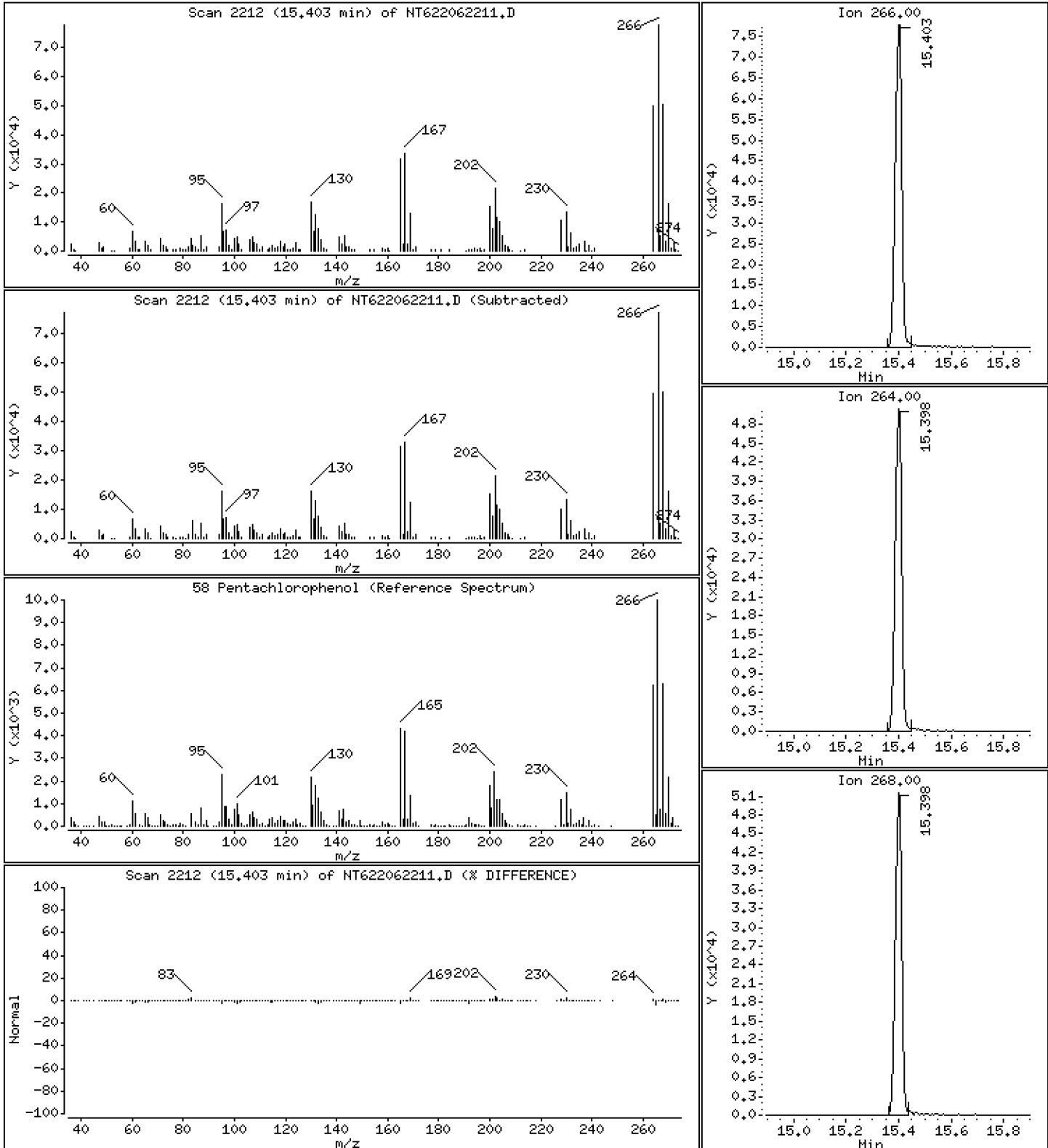
Operator: JZ

Column phase: ZB-5msi

Column diameter: 0.32

58 Pentachlorophenol

Concentration: 56.66 ug/mL



Date : 22-JUN-2022 16:45

Client ID:

Instrument: nt6.i

Sample Info: BKF0450-BSD1,

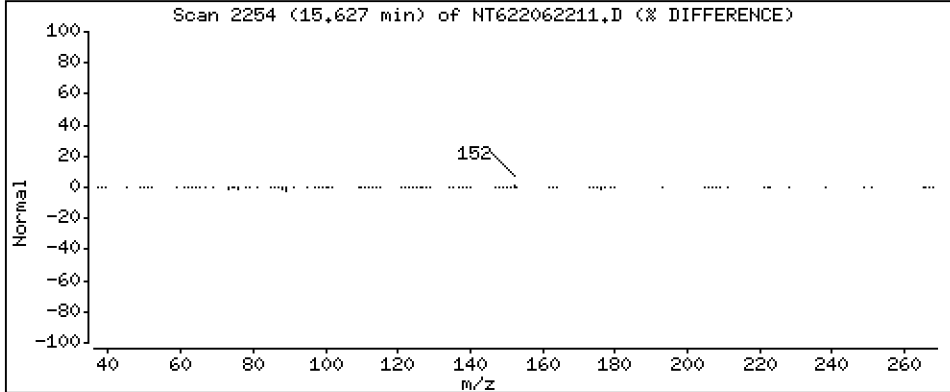
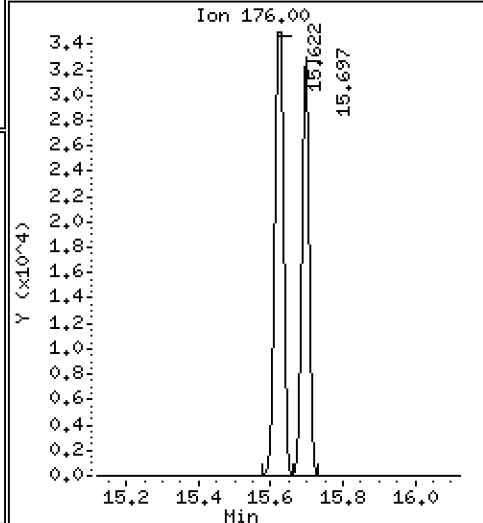
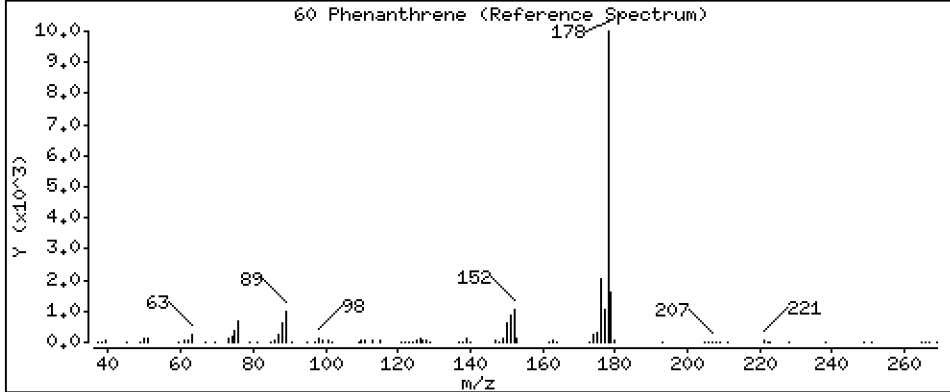
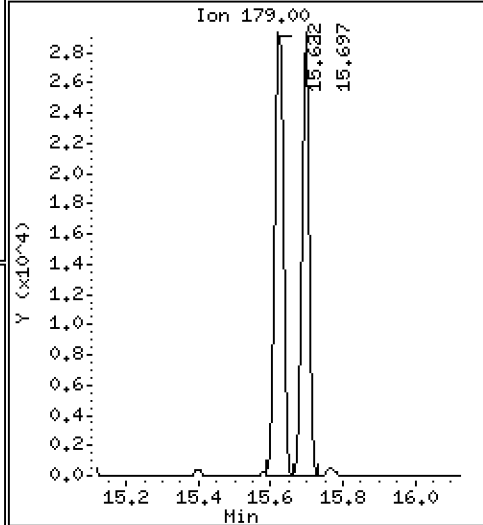
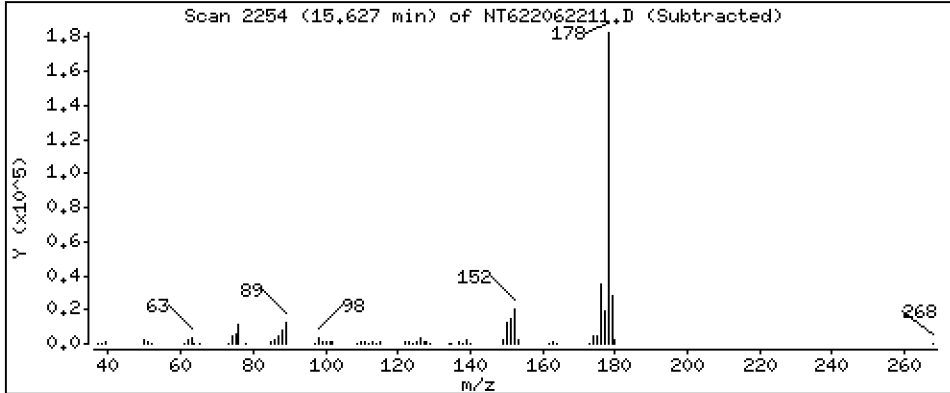
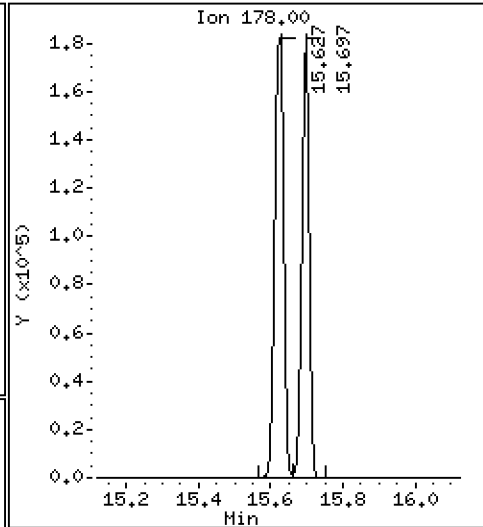
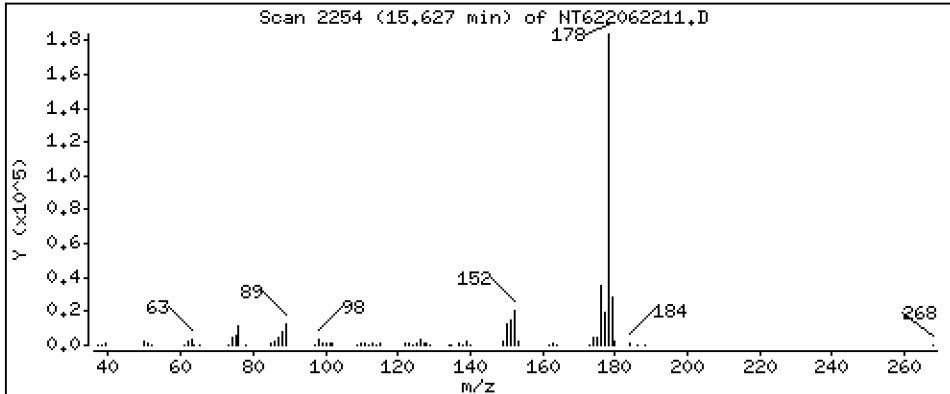
Operator: JZ

Column phase: ZB-5msi

Column diameter: 0,32

60 Phenanthrene

Concentration: 21,56 ug/mL



Date : 22-JUN-2022 16:45

Client ID:

Instrument: nt6.i

Sample Info: BKF0450-BSD1,

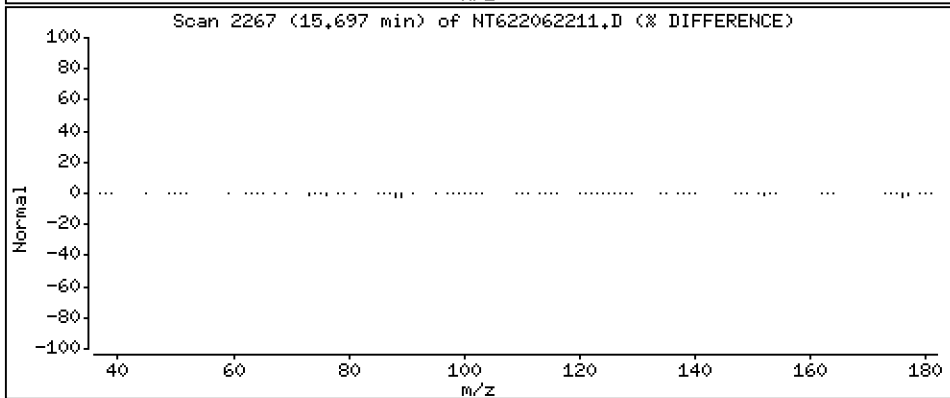
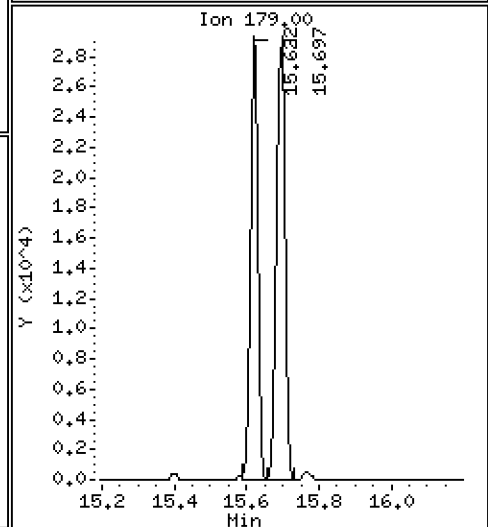
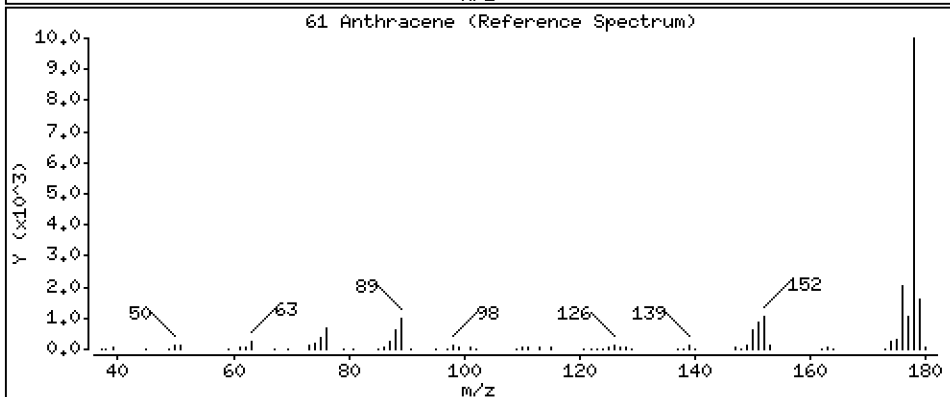
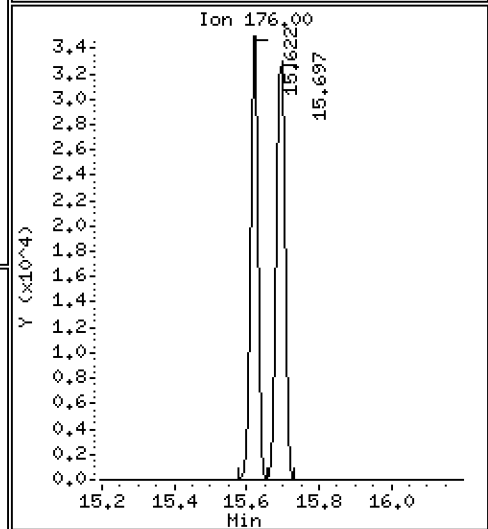
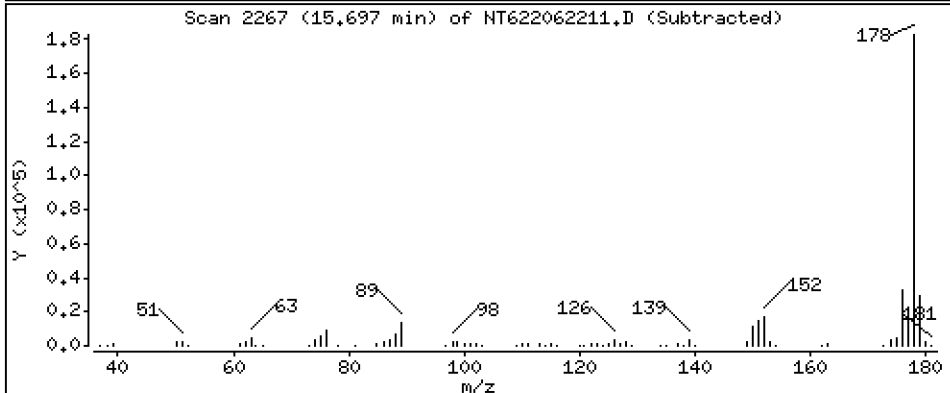
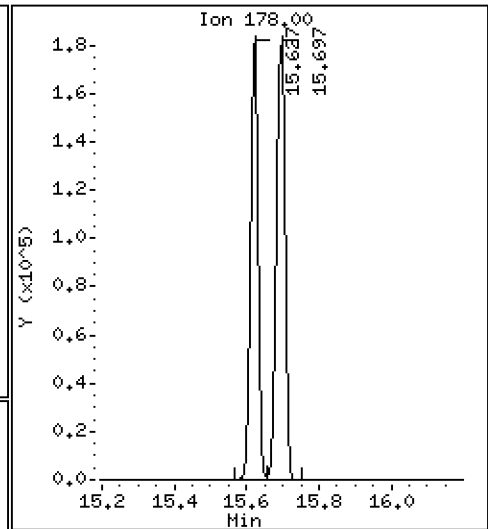
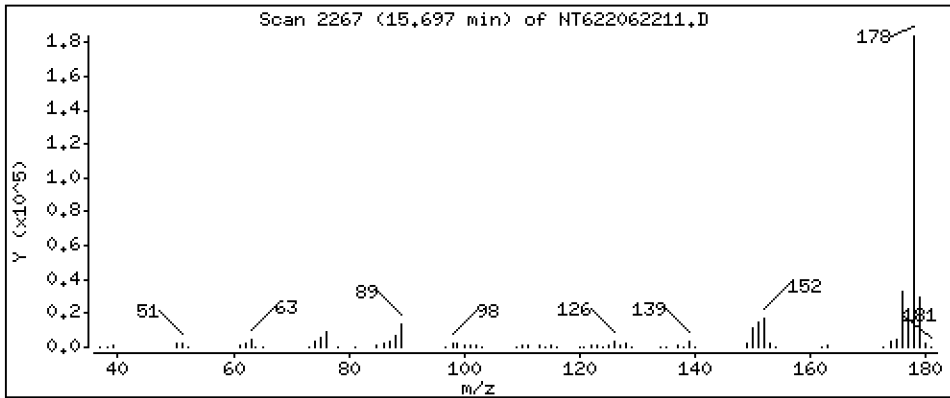
Operator: JZ

Column phase: ZB-5msi

Column diameter: 0.32

61 Anthracene

Concentration: 20.88 ug/mL



Date : 22-JUN-2022 16:45

Client ID:

Instrument: nt6.i

Sample Info: BKF0450-BSD1,

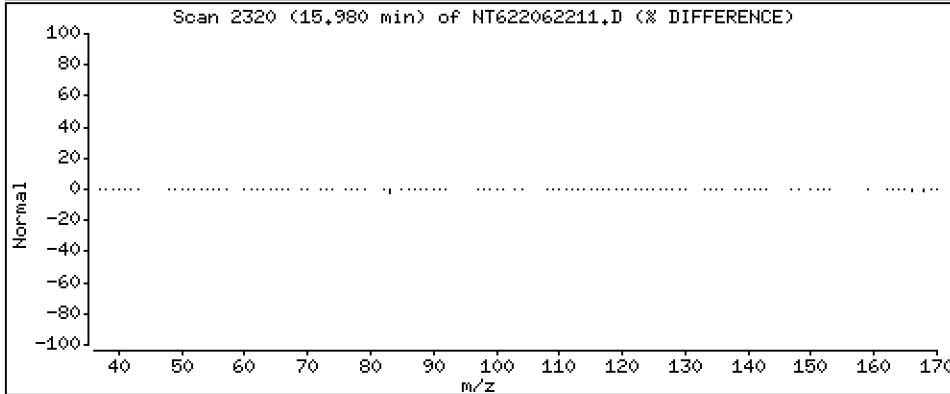
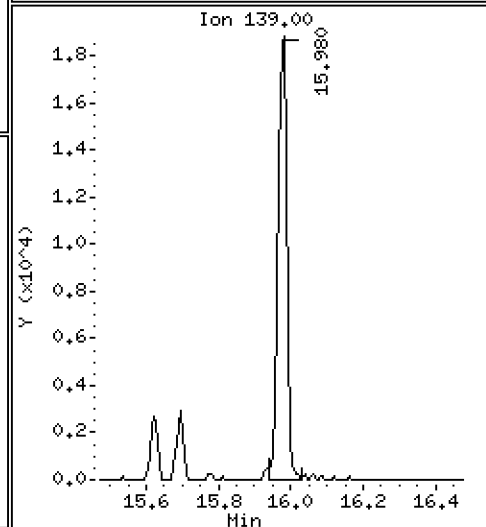
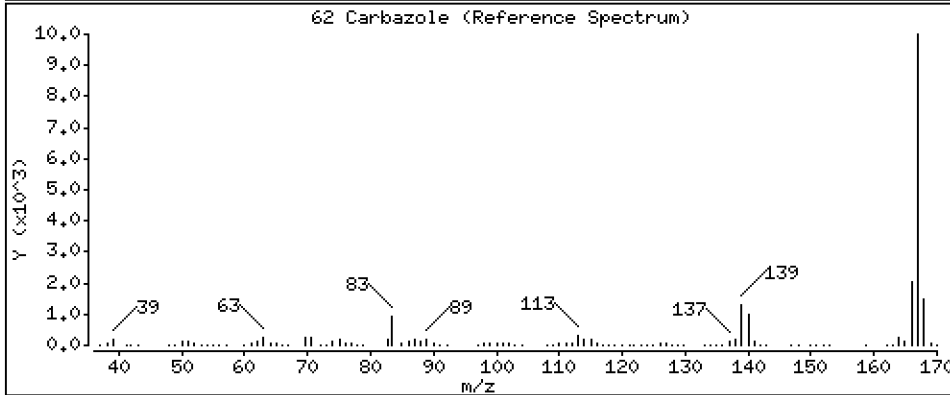
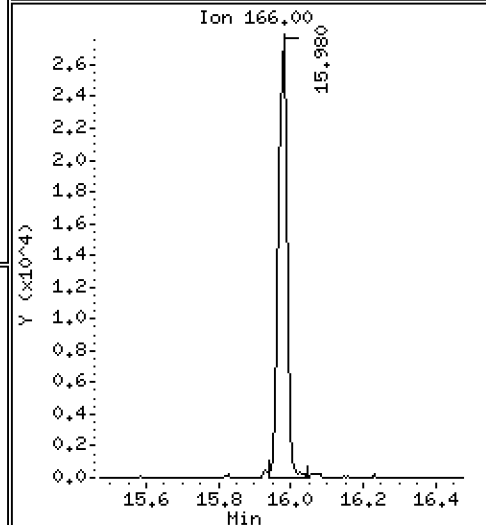
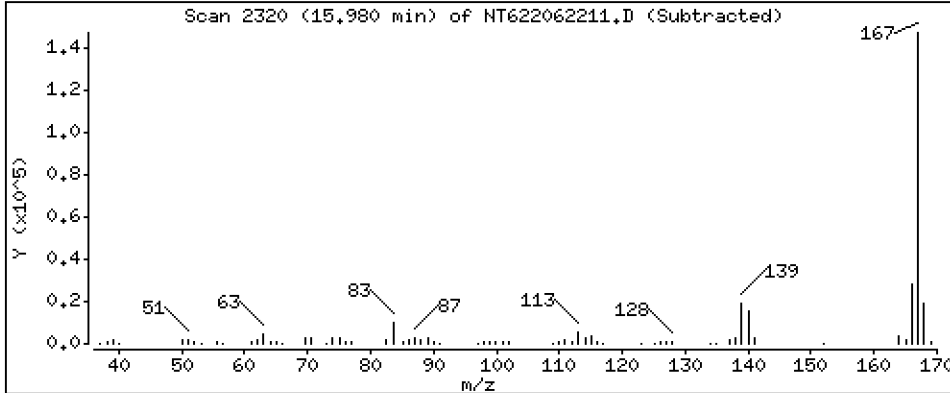
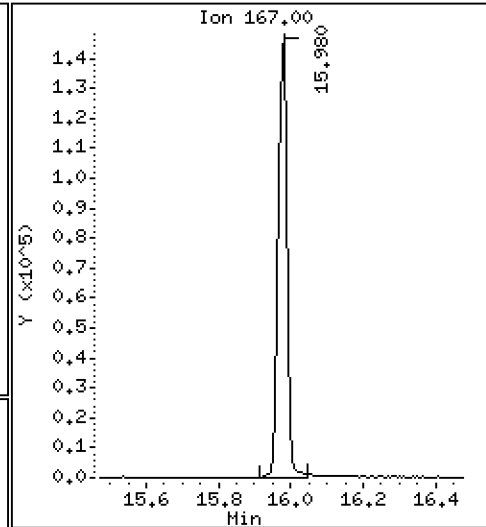
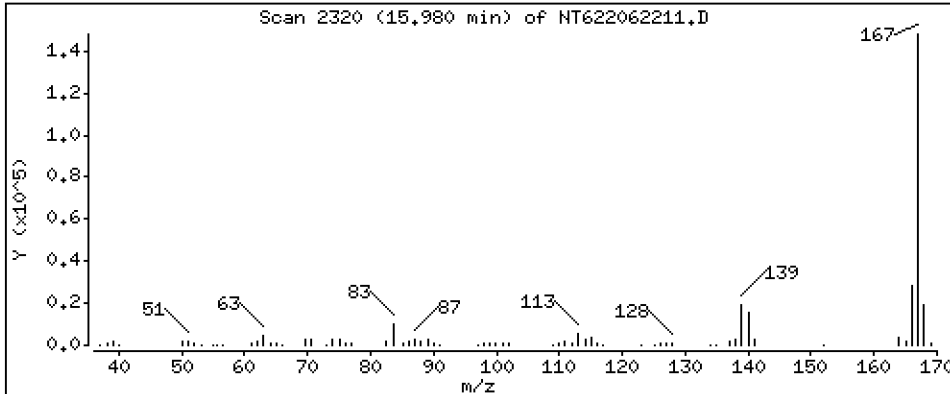
Operator: JZ

Column phase: ZB-5msi

Column diameter: 0.32

62 Carbazole

Concentration: 20.49 ug/mL



Date : 22-JUN-2022 16:45

Client ID:

Instrument: nt6.i

Sample Info: BKF0450-BSD1,

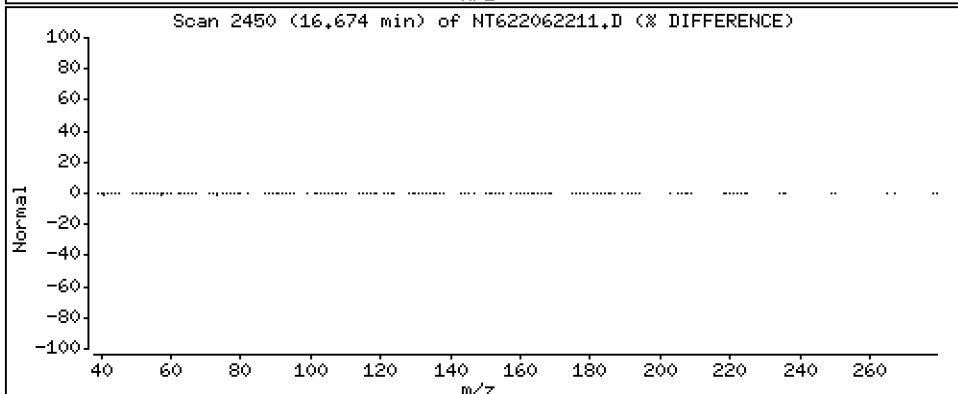
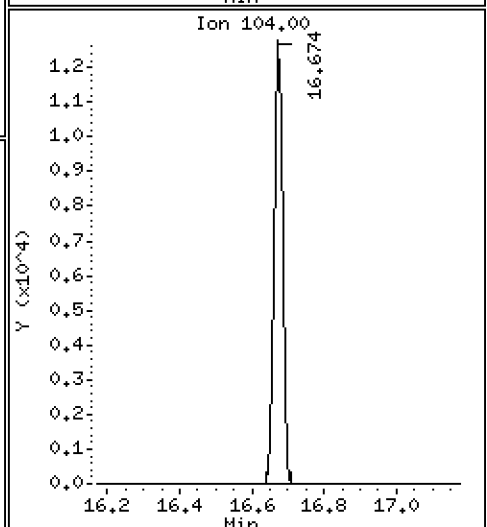
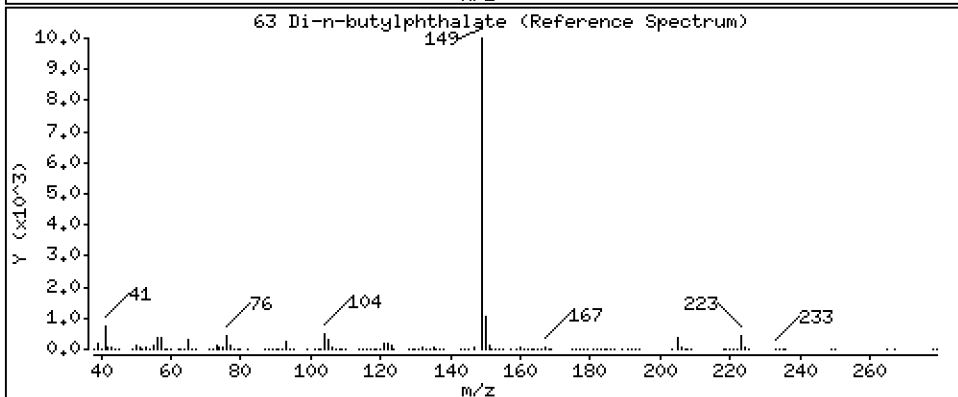
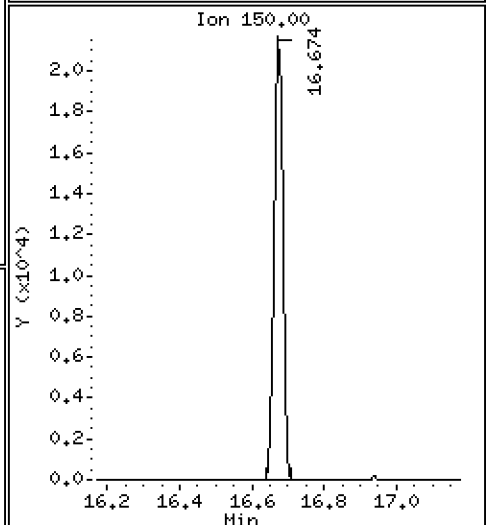
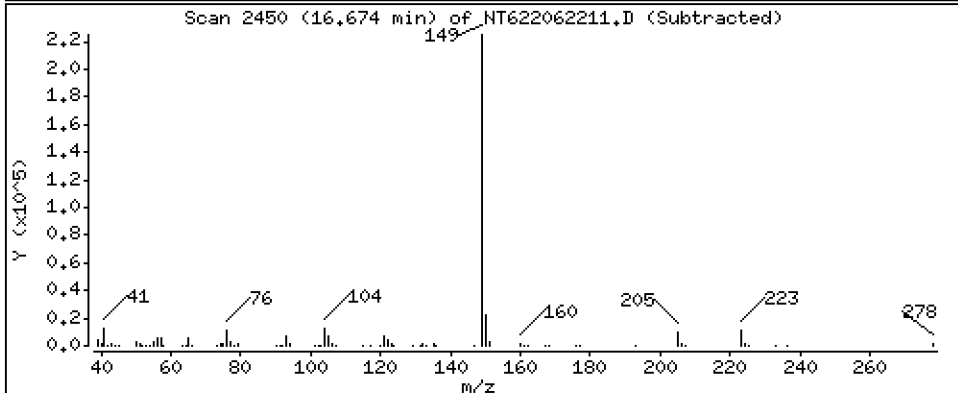
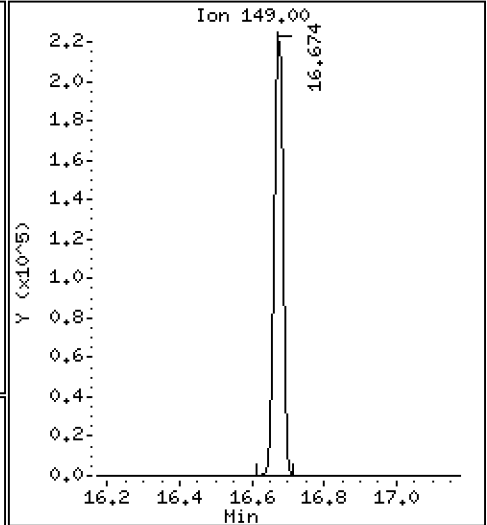
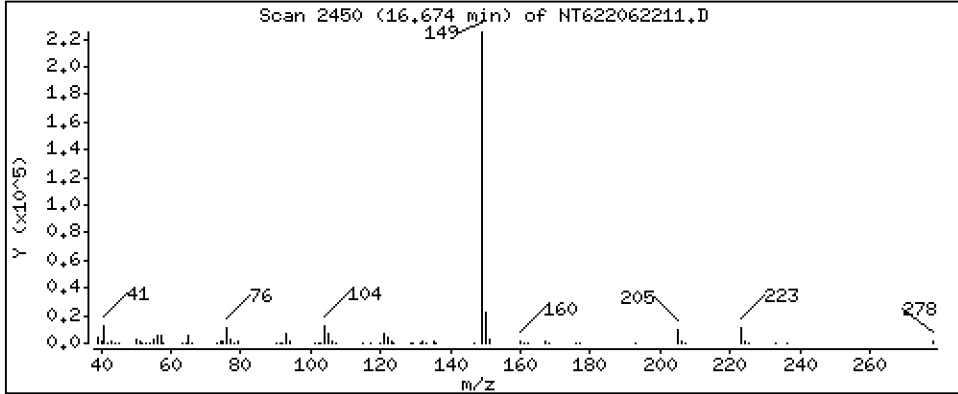
Operator: JZ

Column phase: ZB-5msi

Column diameter: 0.32

63 Di-n-butylphthalate

Concentration: 24.16 ug/mL



Date : 22-JUN-2022 16:45

Client ID:

Instrument: nt6.i

Sample Info: BKF0450-BSD1,

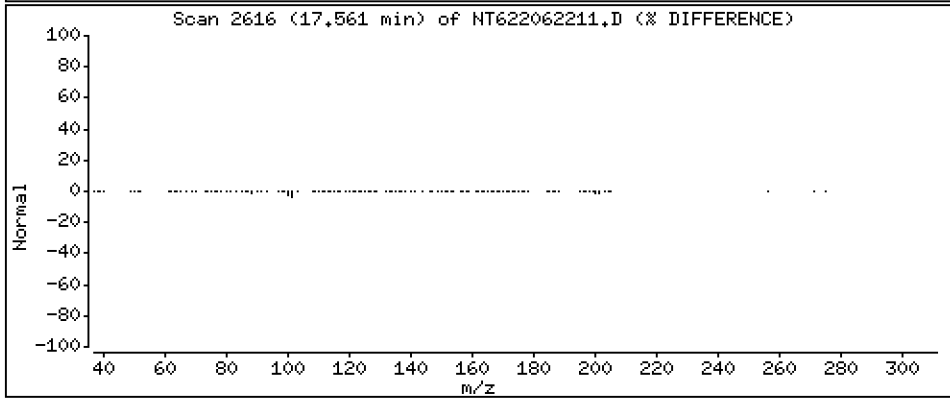
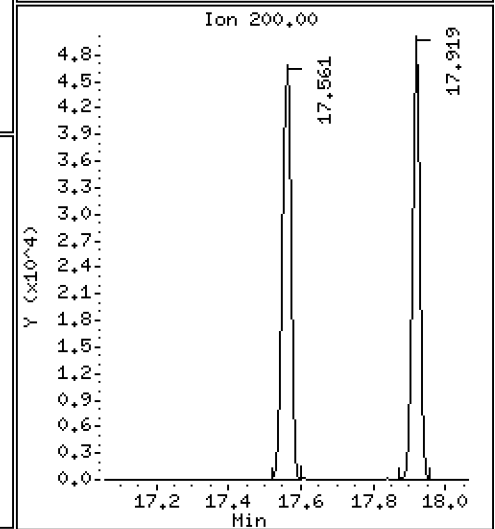
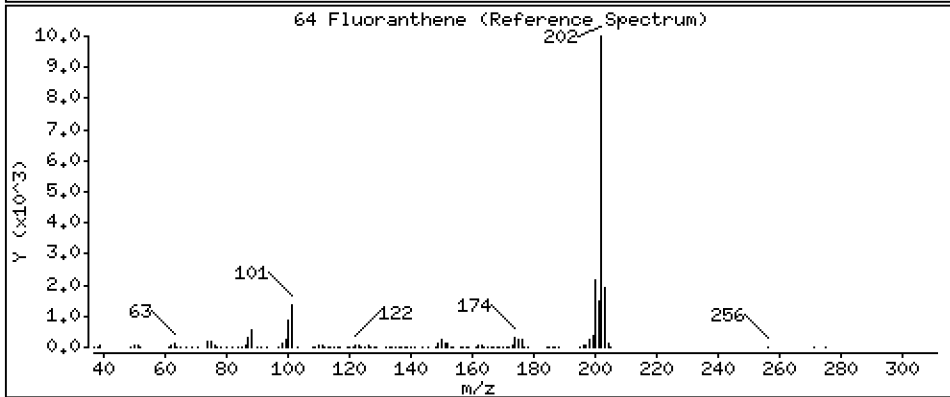
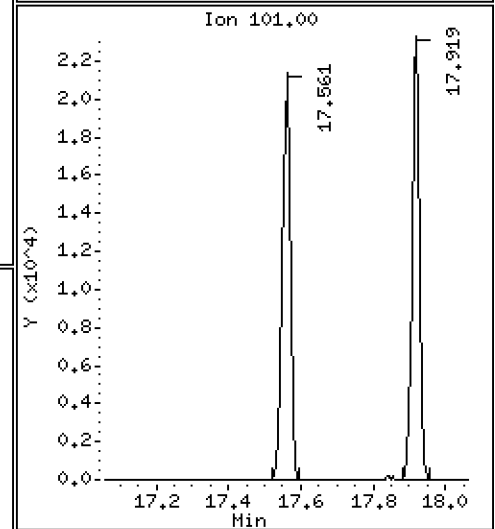
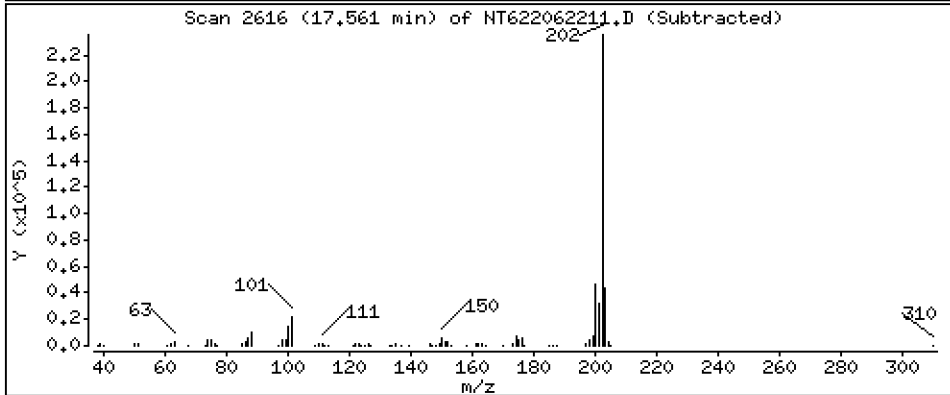
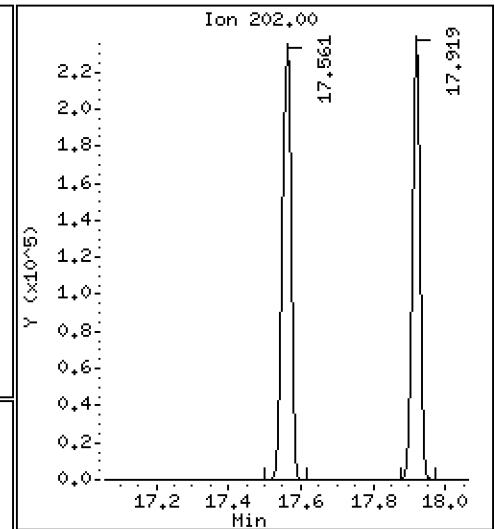
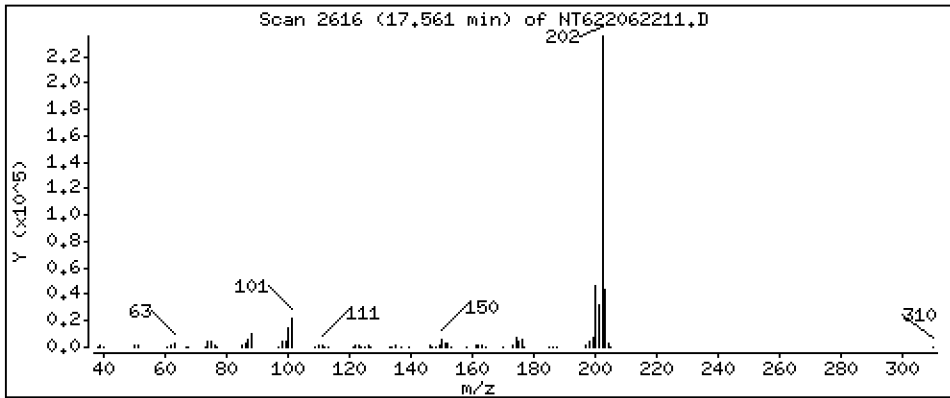
Operator: JZ

Column phase: ZB-5msi

Column diameter: 0,32

64 Fluoranthene

Concentration: 24,81 ug/mL



Date : 22-JUN-2022 16:45

Client ID:

Instrument: nt6.i

Sample Info: BKF0450-BSD1,

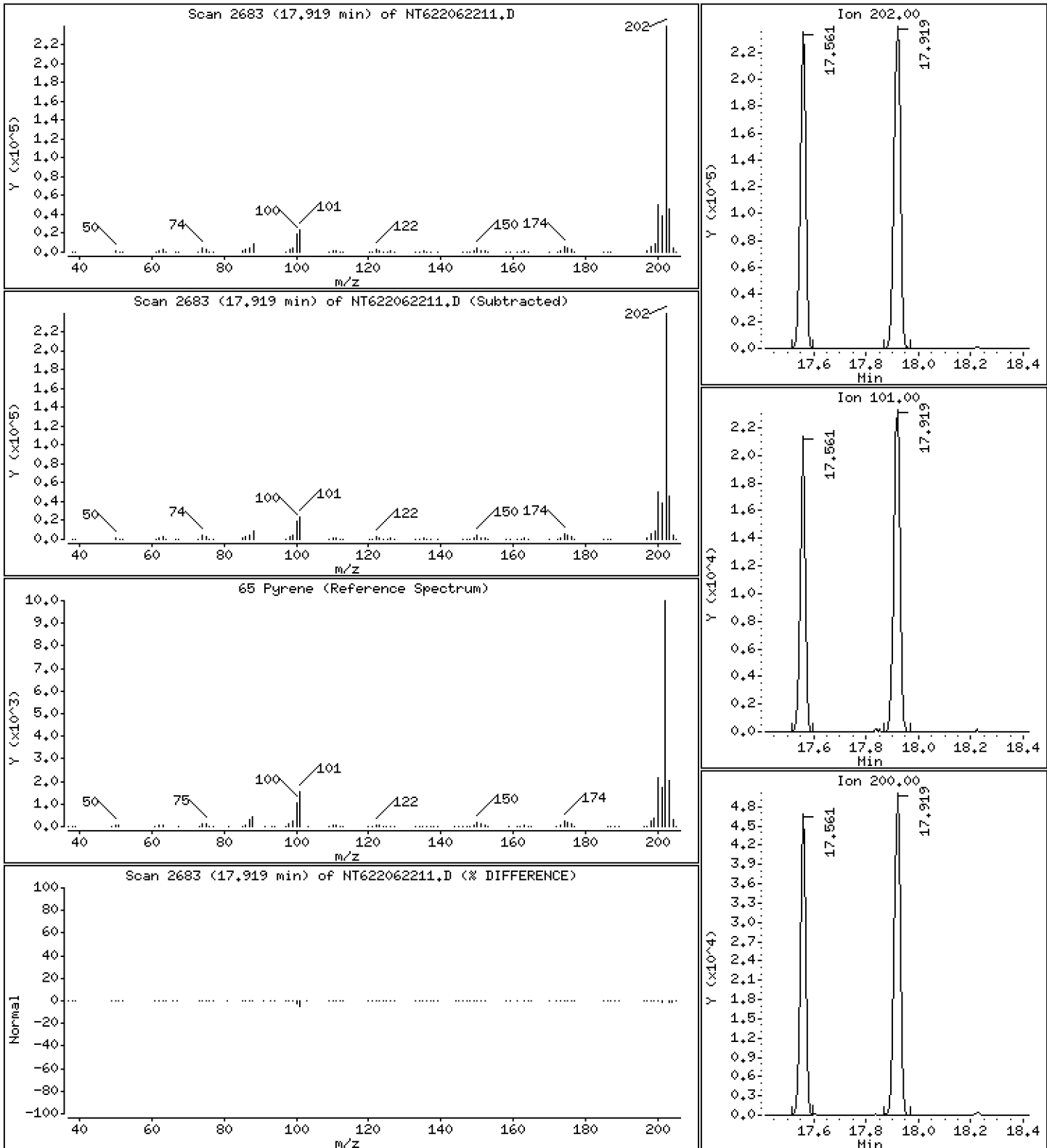
Operator: JZ

Column phase: ZB-5msi

Column diameter: 0.32

65 Pyrene

Concentration: 18,28 ug/mL



Date : 22-JUN-2022 16:45

Client ID:

Instrument: nt6.i

Sample Info: BKF0450-BSD1,

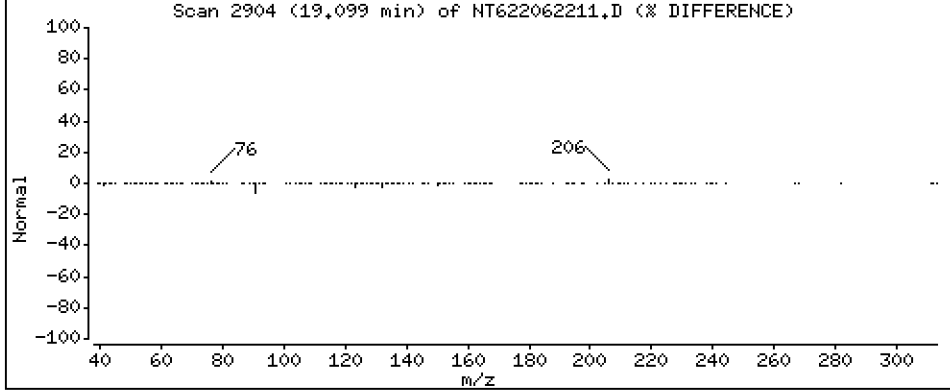
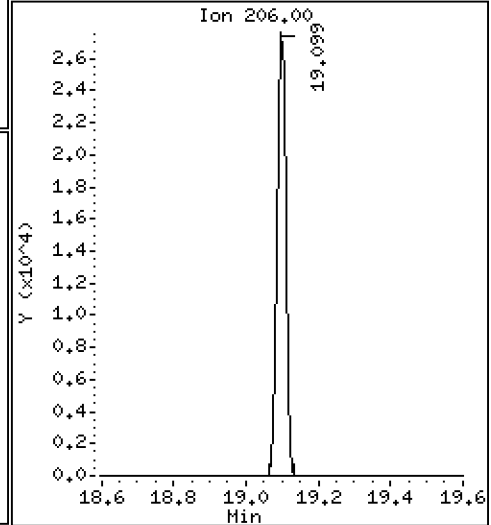
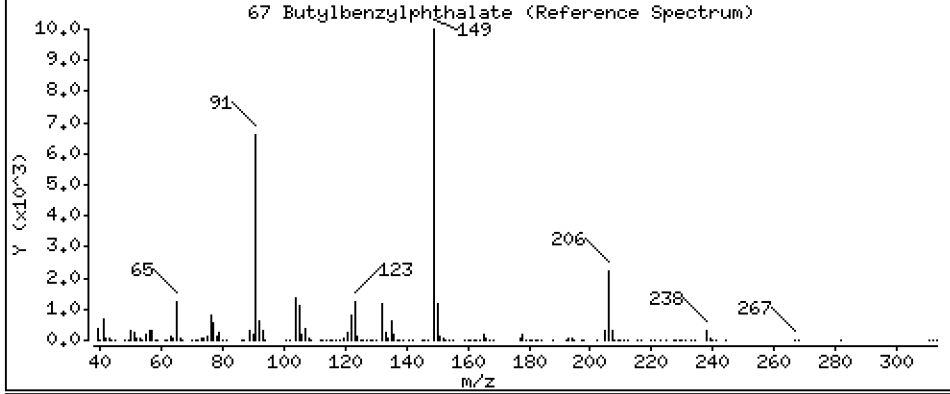
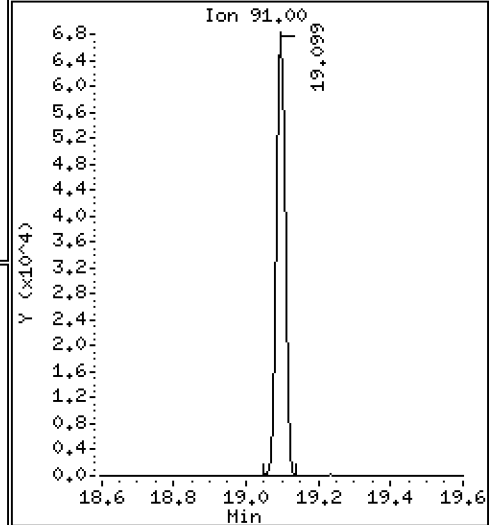
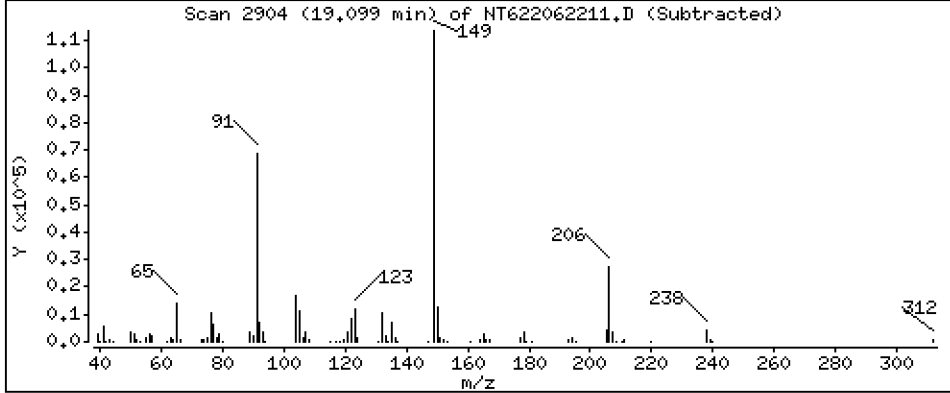
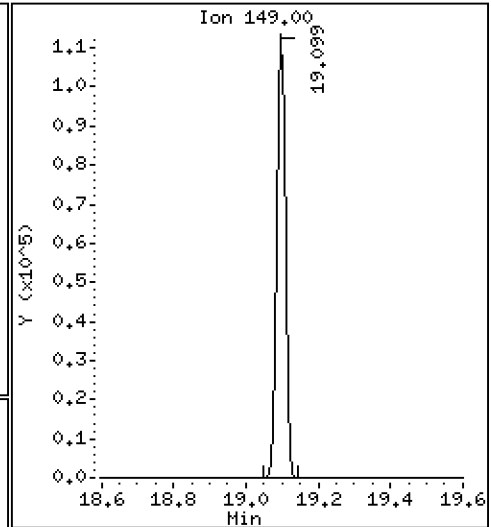
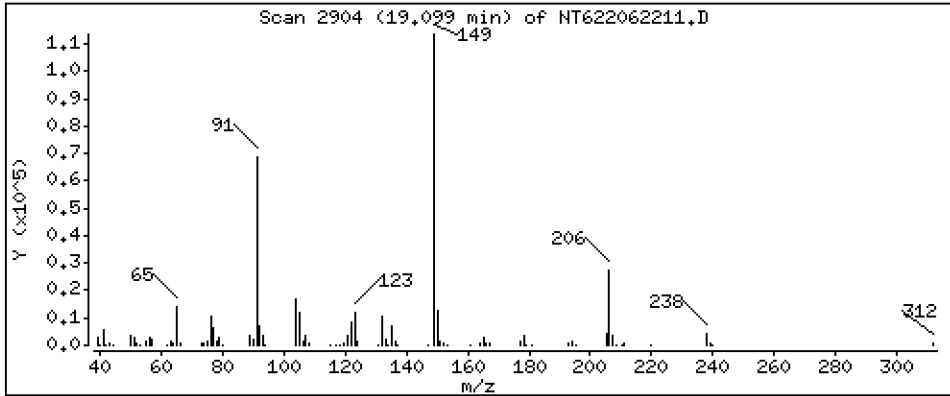
Operator: JZ

Column phase: ZB-5msi

Column diameter: 0,32

67 Butylbenzylphthalate

Concentration: 21,25 ug/mL



Date : 22-JUN-2022 16:45

Client ID:

Instrument: nt6.i

Sample Info: BKF0450-BSD1,

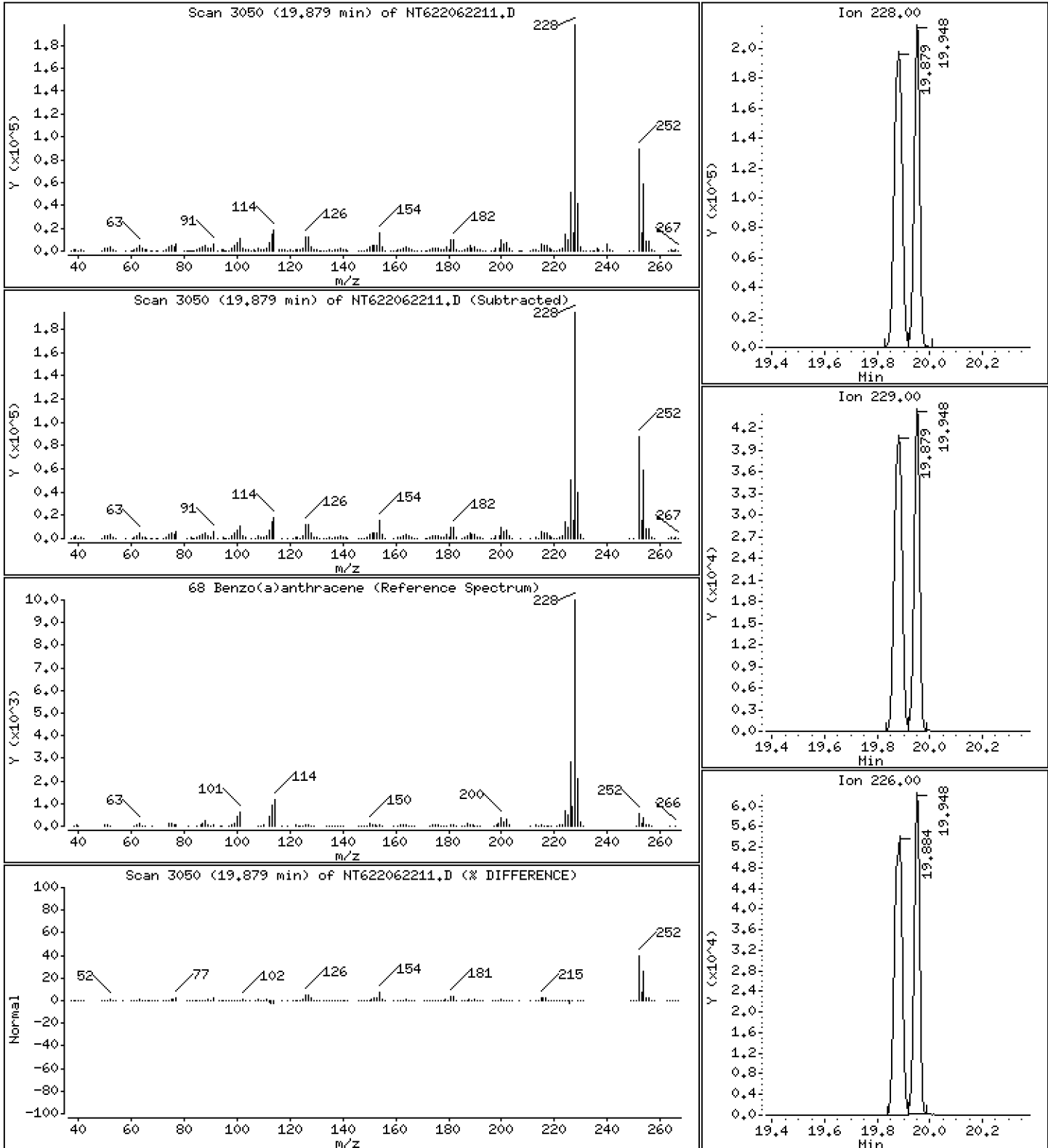
Operator: JZ

Column phase: ZB-5msi

Column diameter: 0,32

68 Benzo(a)anthracene

Concentration: 21,54 ug/mL



Date : 22-JUN-2022 16:45

Client ID:

Instrument: nt6.i

Sample Info: BKF0450-BSD1,

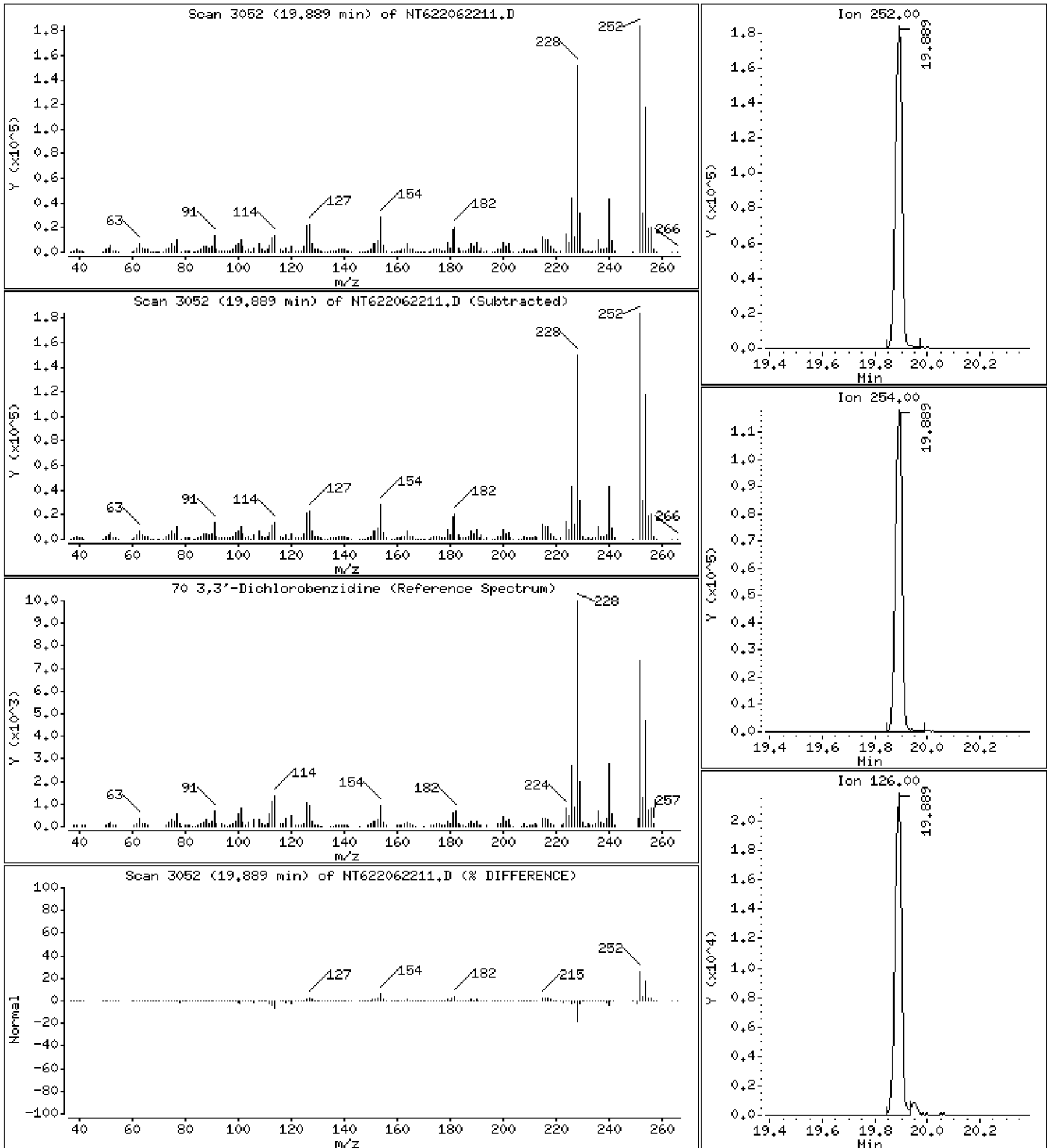
Operator: JZ

Column phase: ZB-5msi

Column diameter: 0,32

70 3,3'-Dichlorobenzidine

Concentration: 53,63 ug/mL



Date : 22-JUN-2022 16:45

Client ID:

Instrument: nt6.i

Sample Info: BKF0450-BSD1,

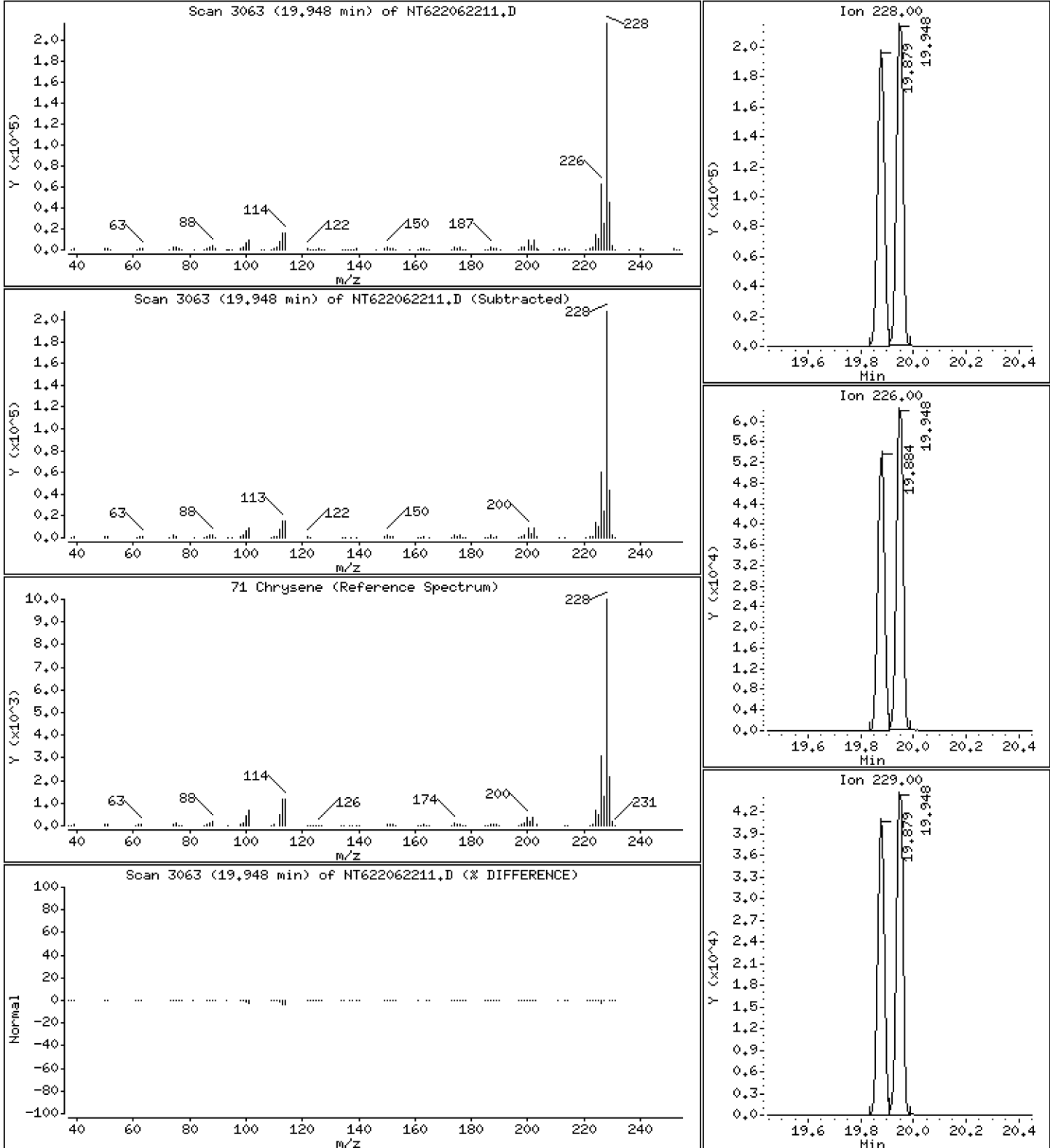
Operator: JZ

Column phase: ZB-5msi

Column diameter: 0,32

71 Chrysene

Concentration: 20,61 ug/mL



Date : 22-JUN-2022 16:45

Client ID:

Instrument: nt6.i

Sample Info: BKF0450-BSD1,

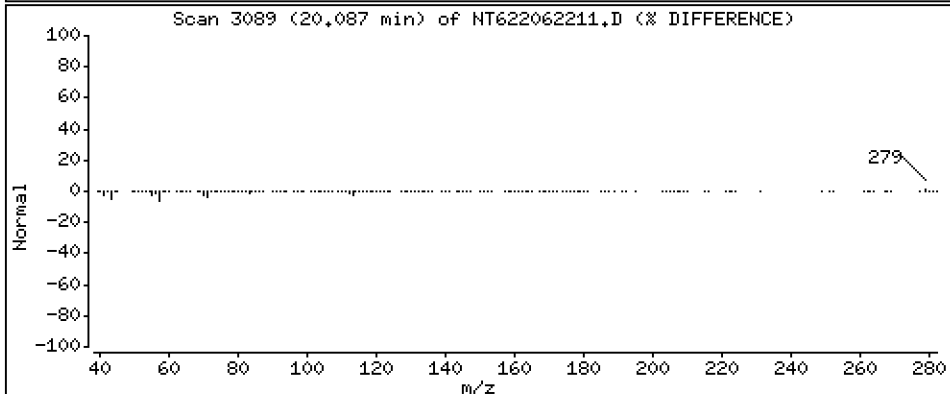
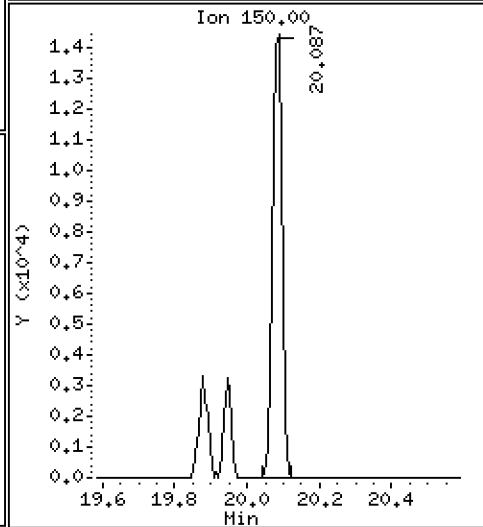
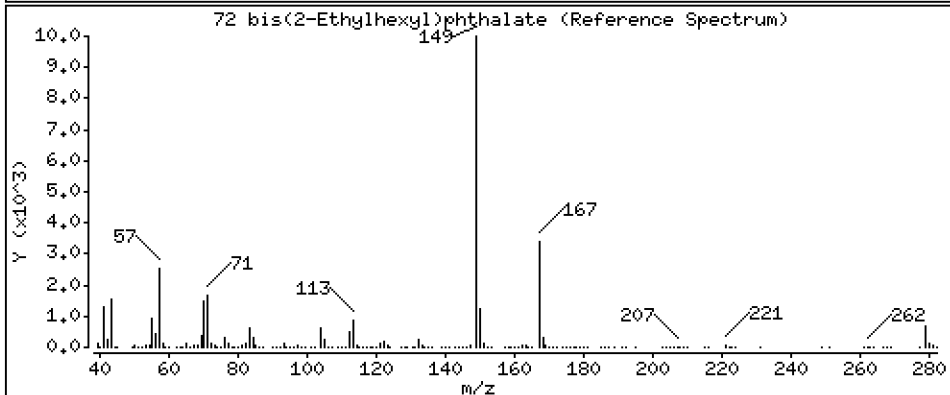
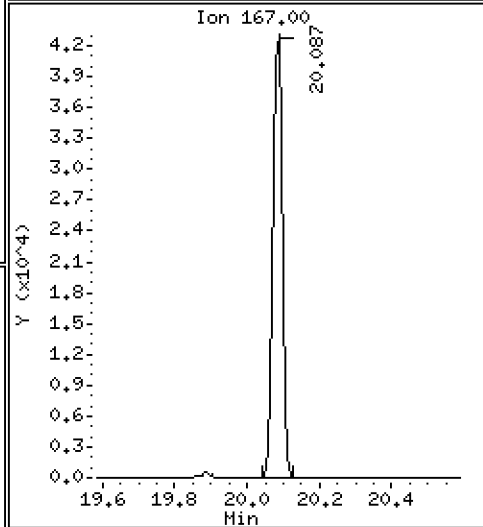
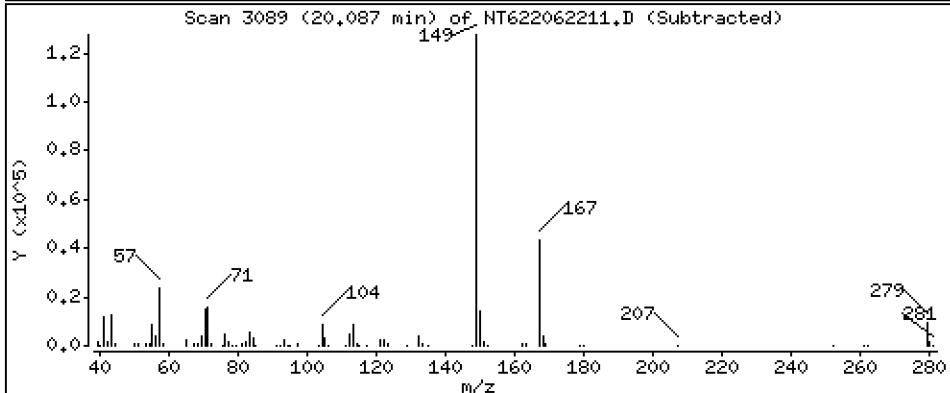
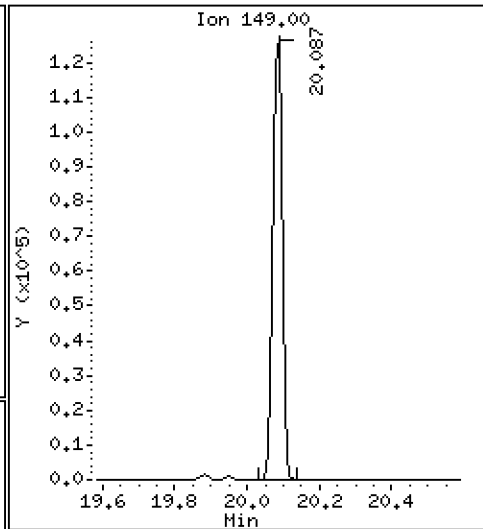
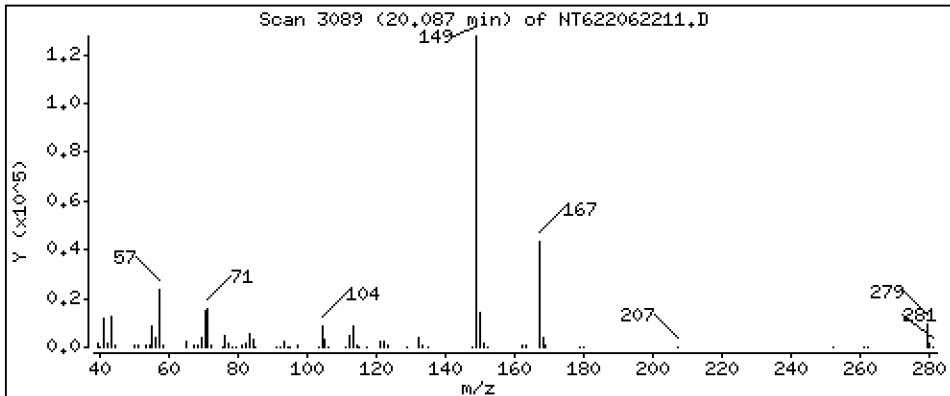
Operator: JZ

Column phase: ZB-5msi

Column diameter: 0.32

72 bis(2-Ethylhexyl)phthalate

Concentration: 21.35 ug/mL



Date : 22-JUN-2022 16:45

Client ID:

Instrument: nt6.i

Sample Info: BKF0450-BSD1,

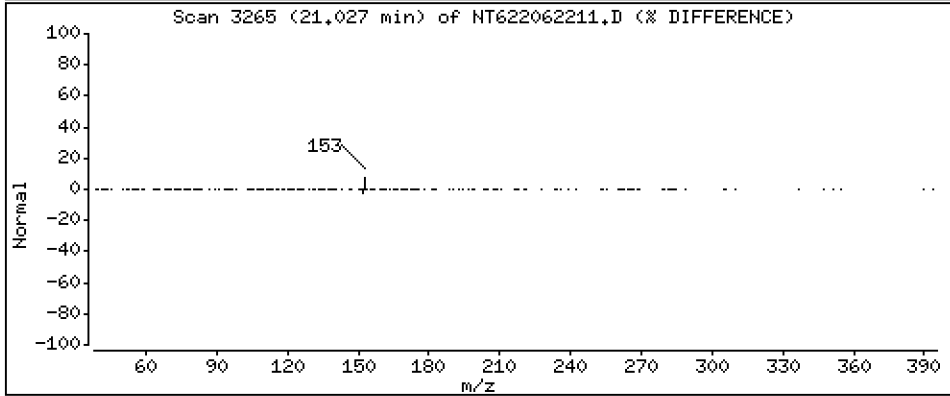
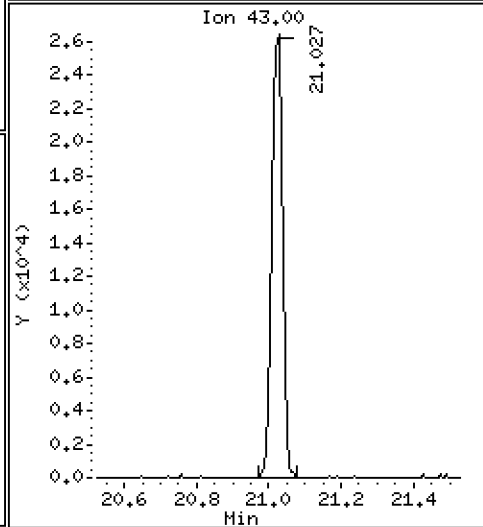
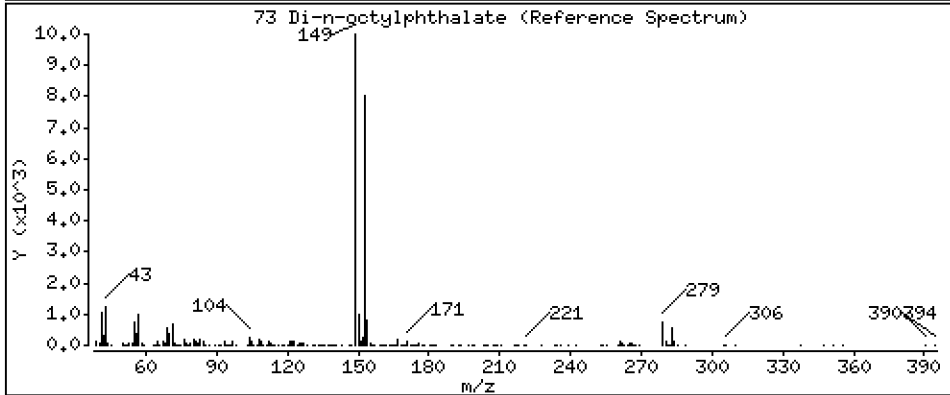
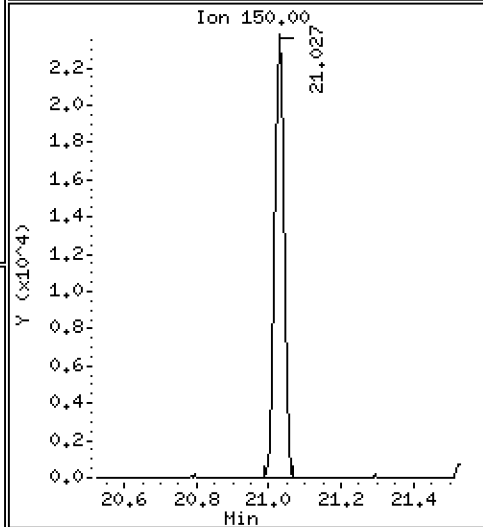
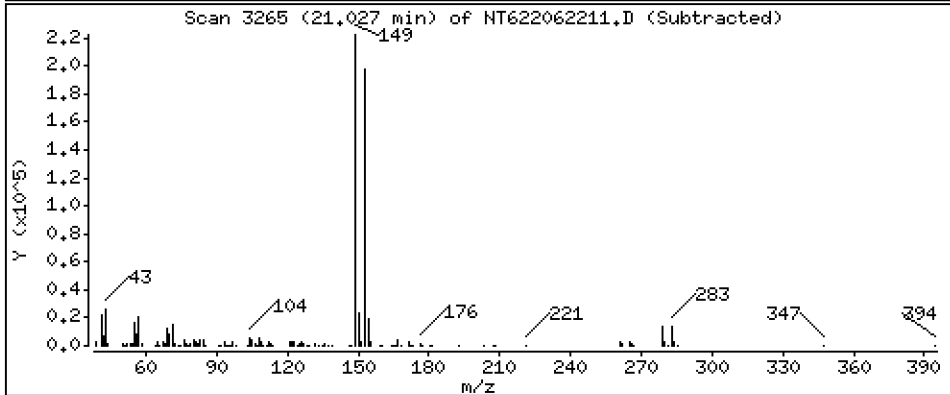
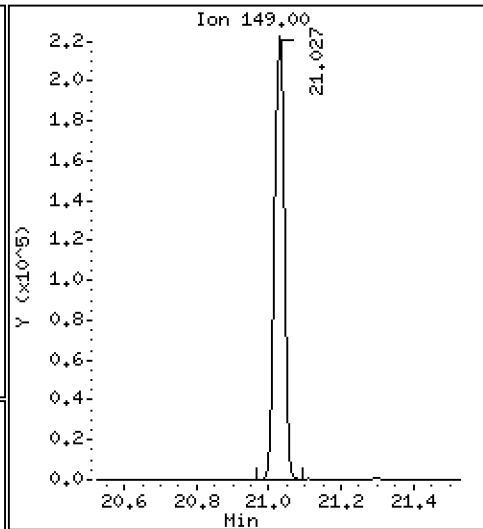
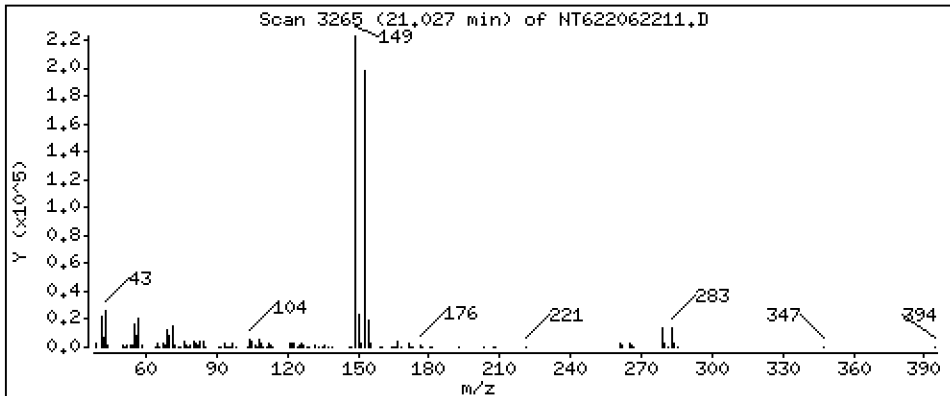
Operator: JZ

Column phase: ZB-5msi

Column diameter: 0.32

73 Di-n-octylphthalate

Concentration: 22.04 ug/mL



Date : 22-JUN-2022 16:45

Client ID:

Instrument: nt6.i

Sample Info: BKF0450-BSD1,

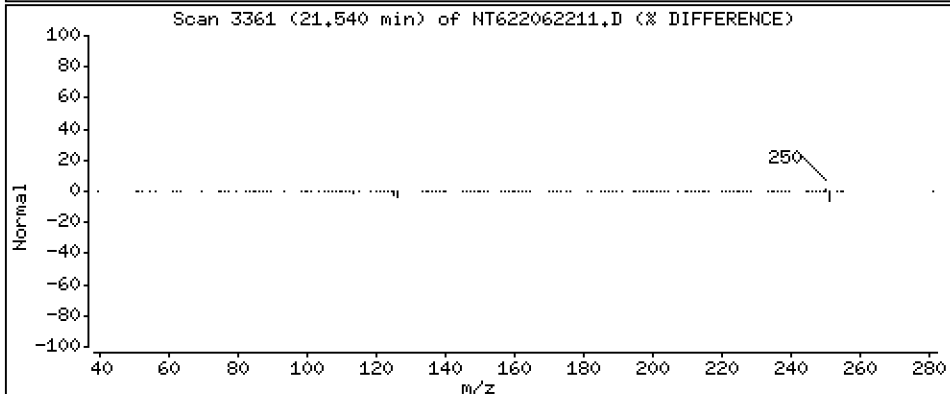
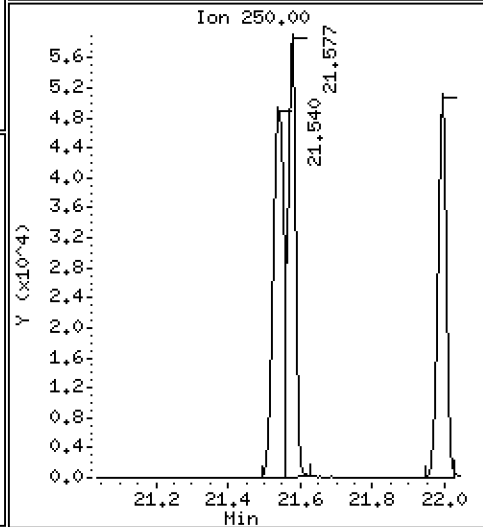
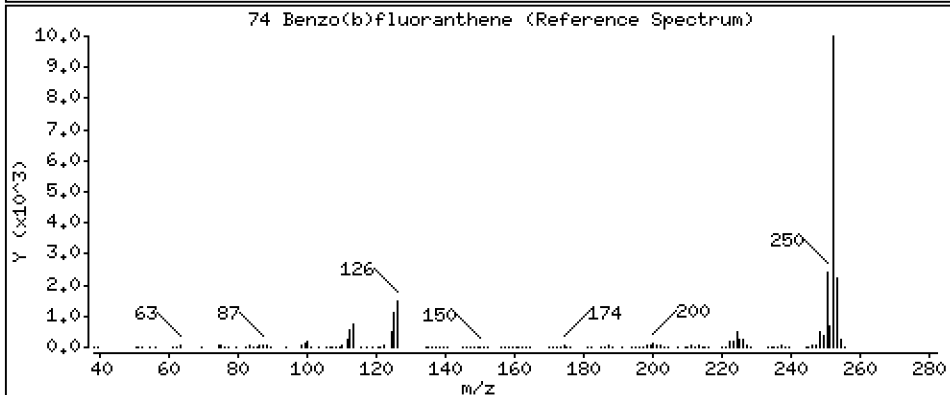
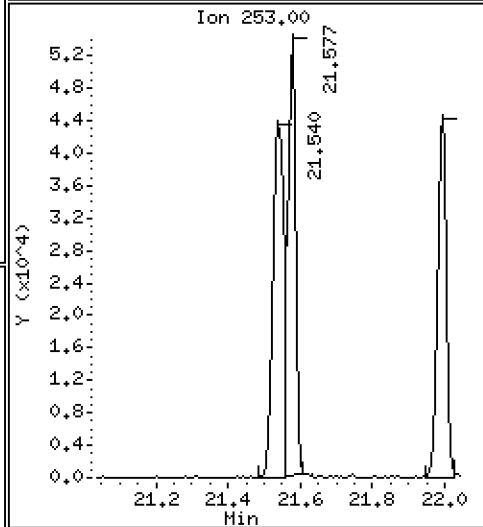
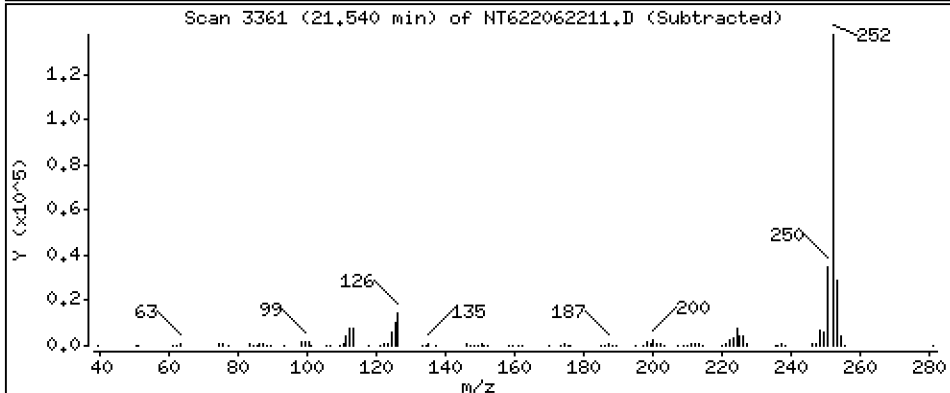
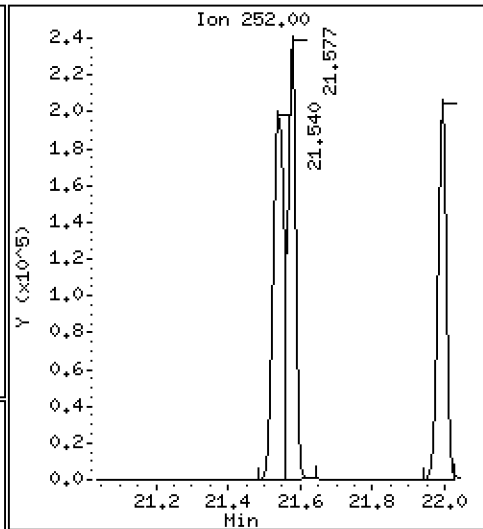
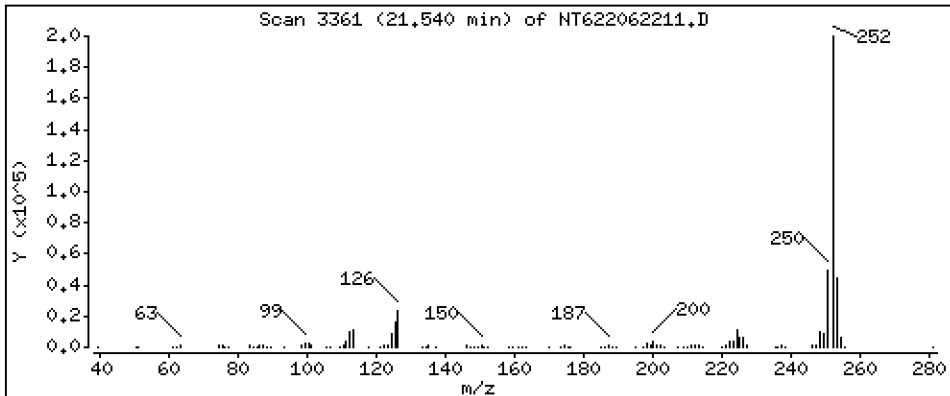
Operator: JZ

Column phase: ZB-5msi

Column diameter: 0,32

74 Benzo(b)fluoranthene

Concentration: 21,86 ug/mL



Date : 22-JUN-2022 16:45

Client ID:

Instrument: nt6.i

Sample Info: BKF0450-BSD1,

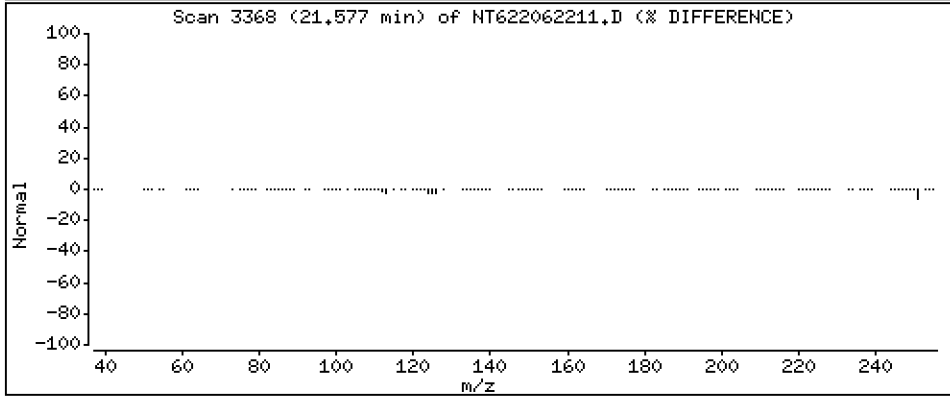
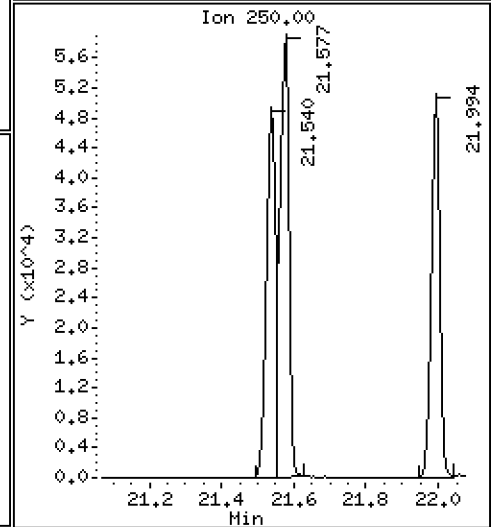
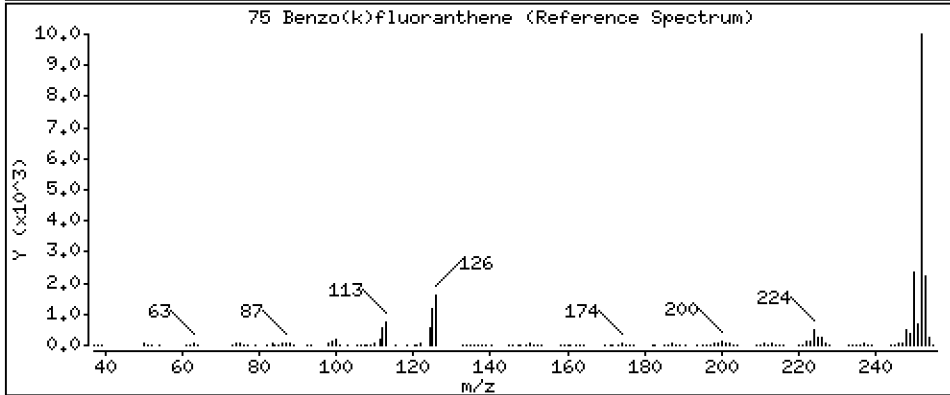
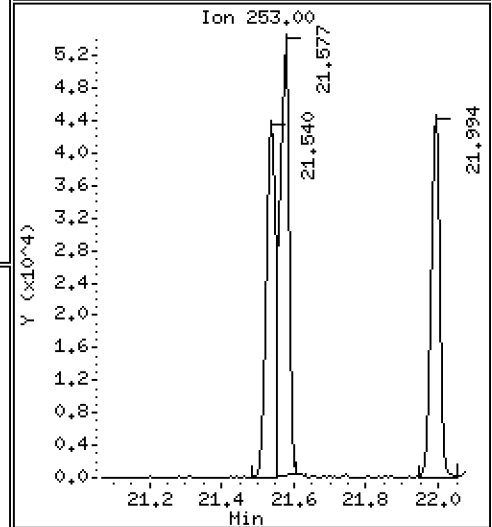
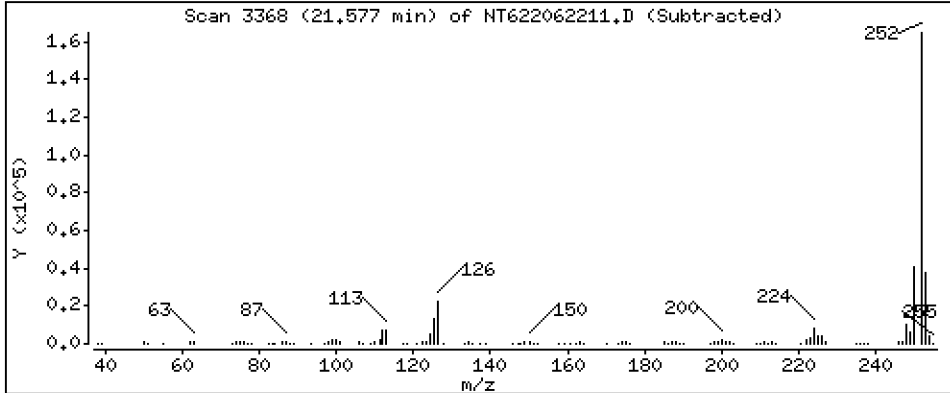
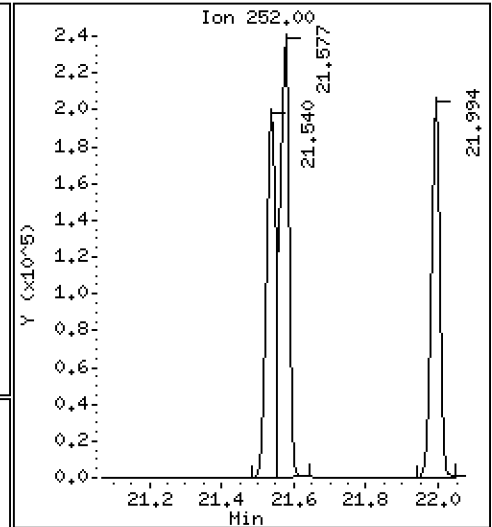
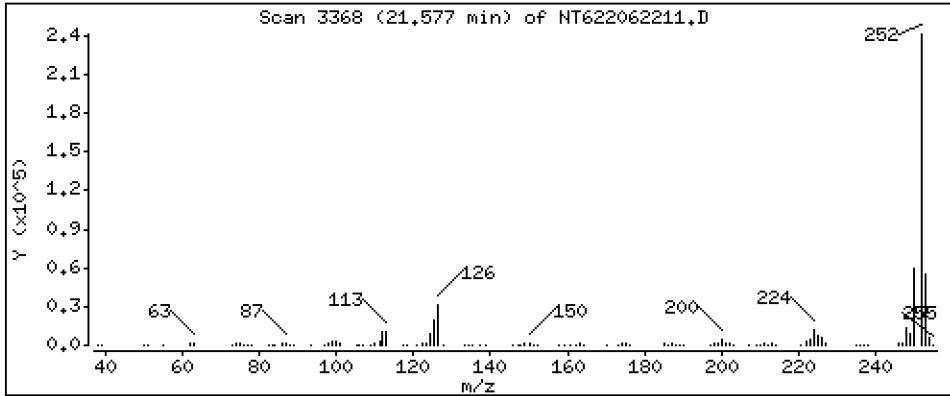
Operator: JZ

Column phase: ZB-5msi

Column diameter: 0,32

75 Benzo(k)fluoranthene

Concentration: 23,33 ug/mL



Date : 22-JUN-2022 16:45

Client ID:

Instrument: nt6.i

Sample Info: BKF0450-BSD1,

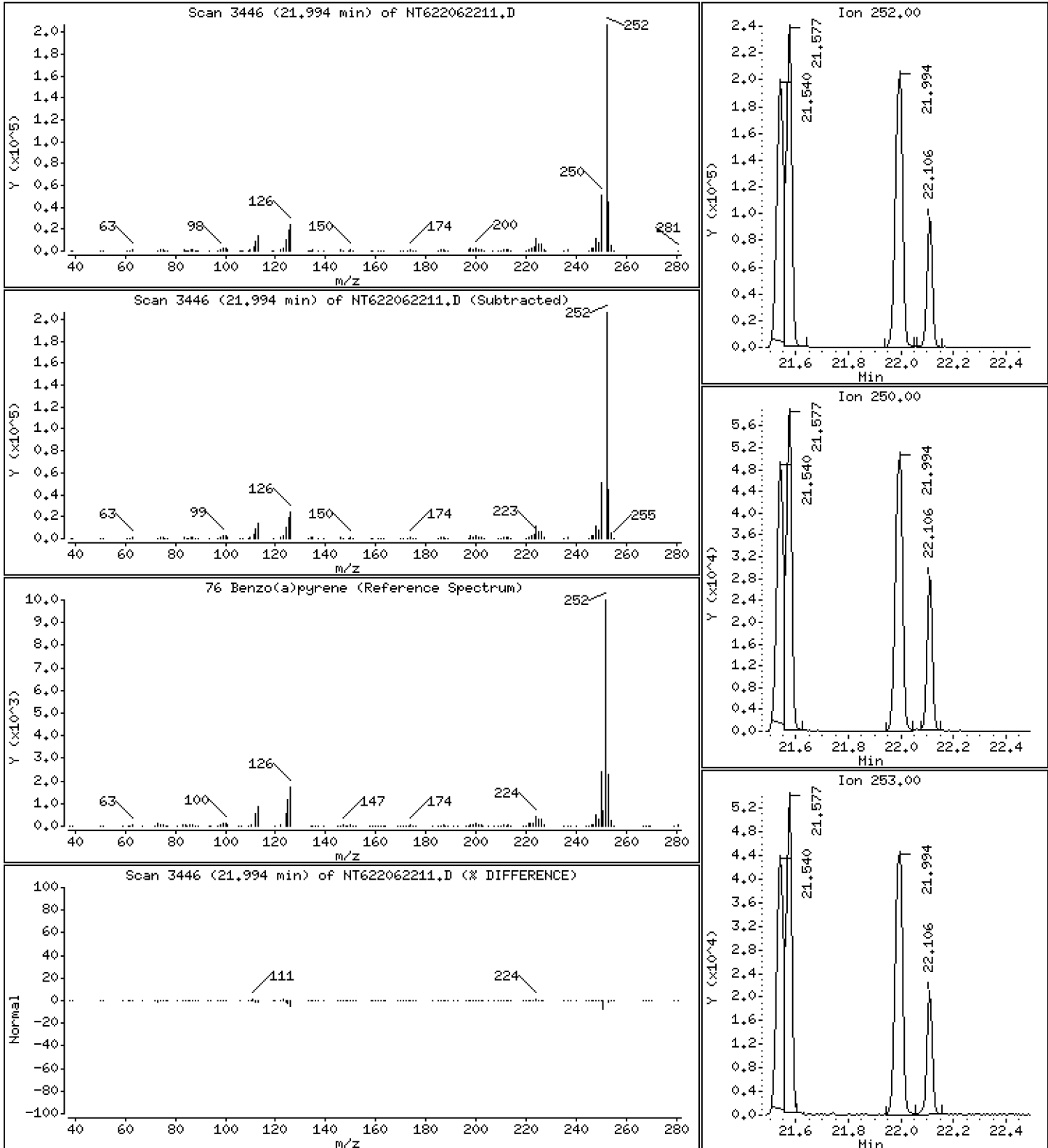
Operator: JZ

Column phase: ZB-5msi

Column diameter: 0,32

76 Benzo(a)pyrene

Concentration: 21,97 ug/mL



Date : 22-JUN-2022 16:45

Client ID:

Instrument: nt6.i

Sample Info: BKF0450-BSD1,

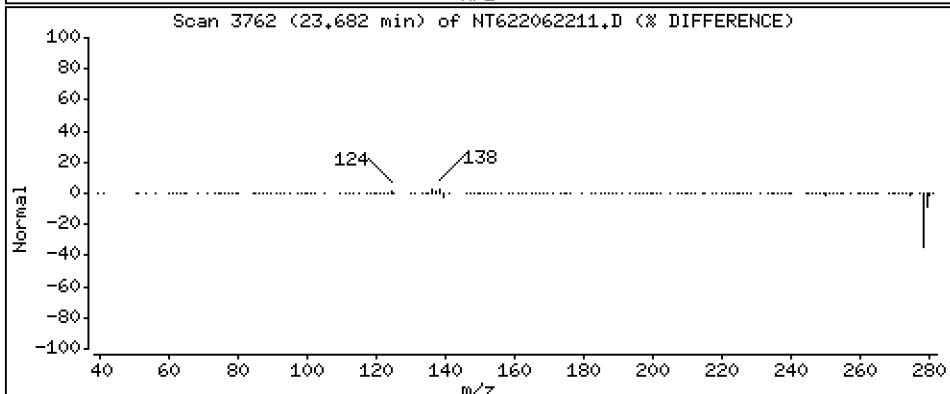
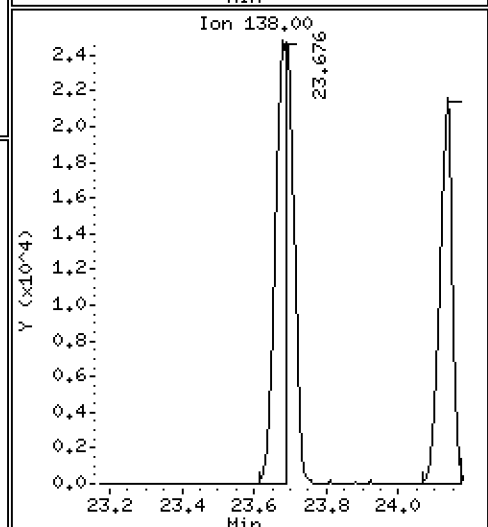
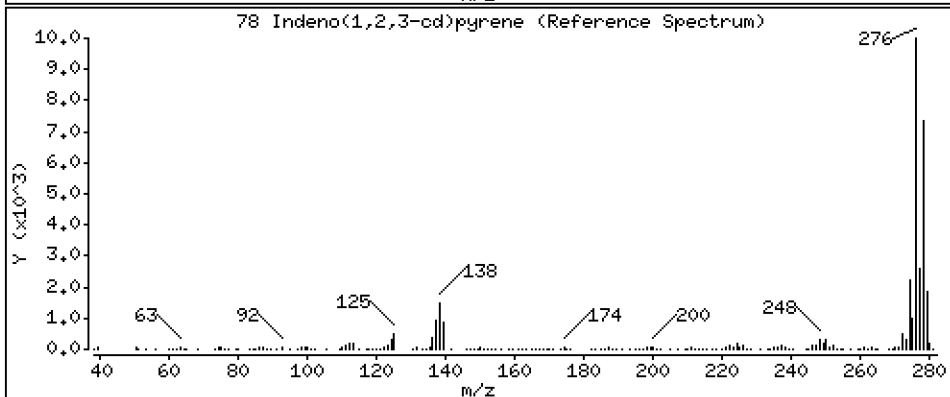
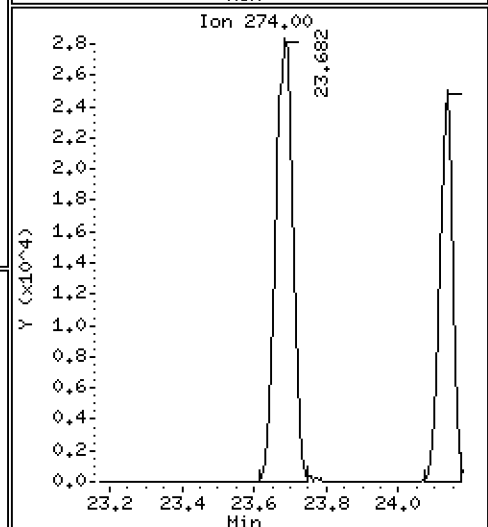
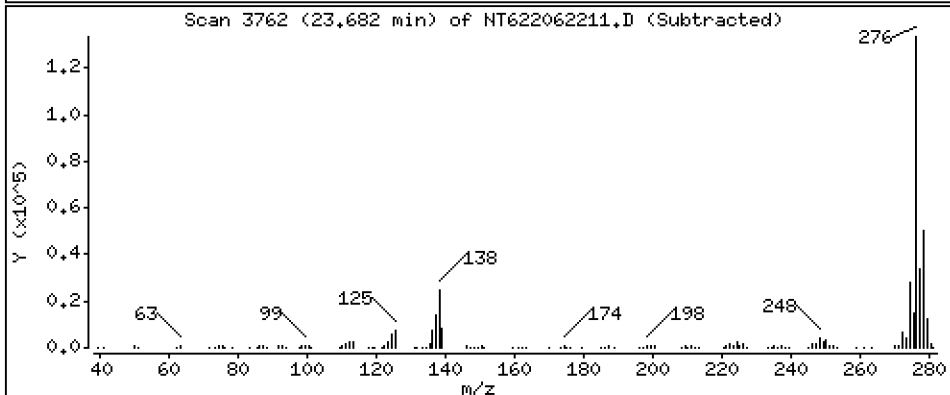
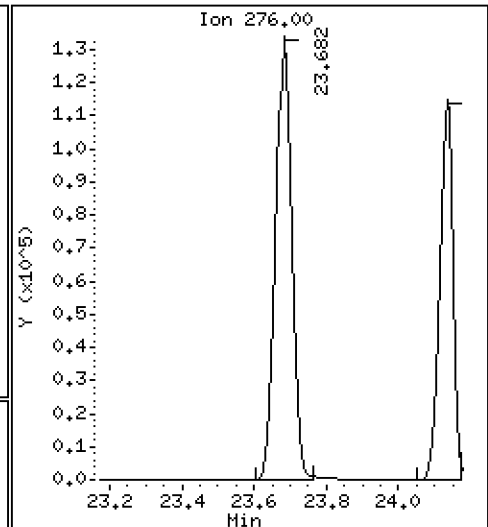
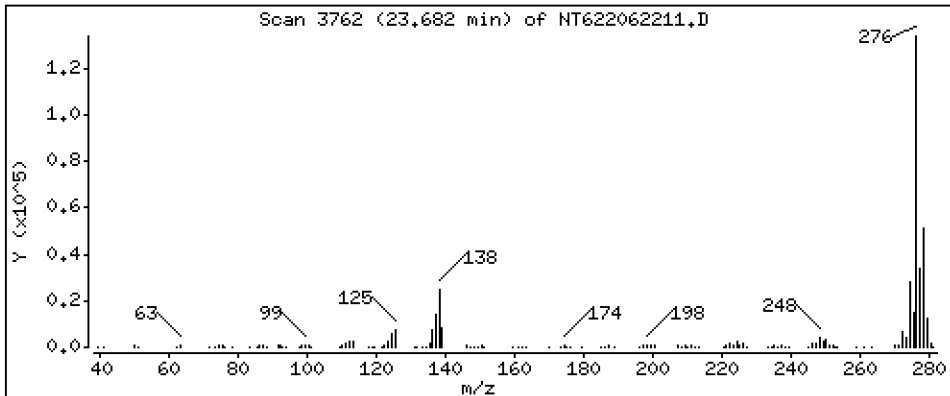
Operator: JZ

Column phase: ZB-5msi

Column diameter: 0.32

78 Indeno(1,2,3-cd)pyrene

Concentration: 17.10 ug/mL



Date : 22-JUN-2022 16:45

Client ID:

Instrument: nt6.i

Sample Info: BKF0450-BSD1,

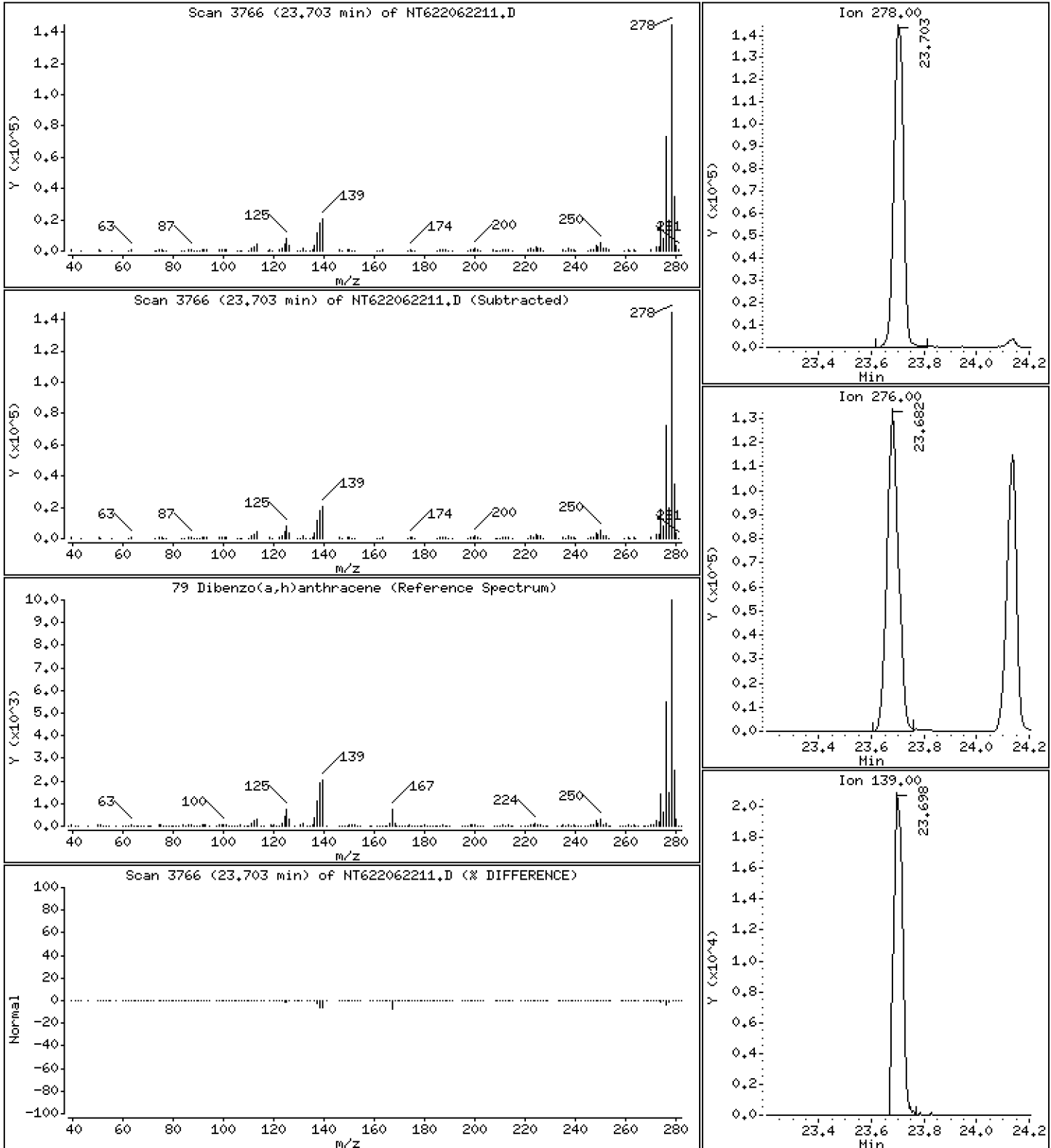
Operator: JZ

Column phase: ZB-5msi

Column diameter: 0,32

79 Dibenzo(a,h)anthracene

Concentration: 17,39 ug/mL



Date : 22-JUN-2022 16:45

Client ID:

Instrument: nt6.i

Sample Info: BKF0450-BSD1,

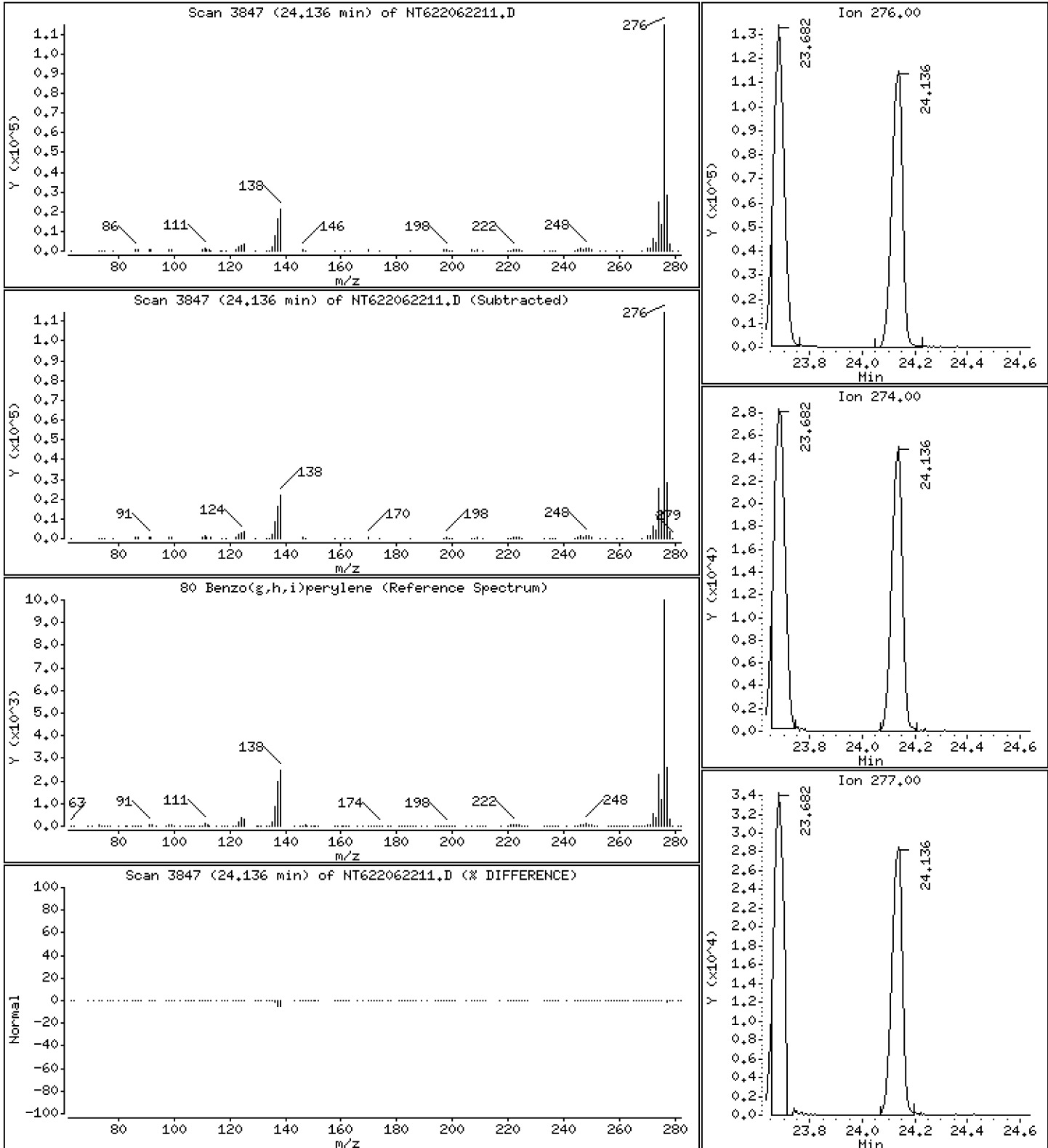
Operator: JZ

Column phase: ZB-5msi

Column diameter: 0,32

80 Benzo(g,h,i)perylene

Concentration: 15,26 ug/mL



Date : 22-JUN-2022 16:45

Client ID:

Instrument: nt6.i

Sample Info: BKF0450-BSD1,

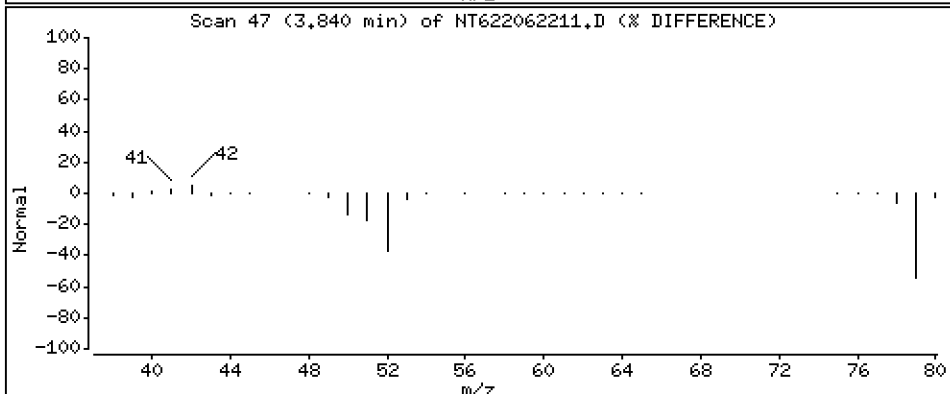
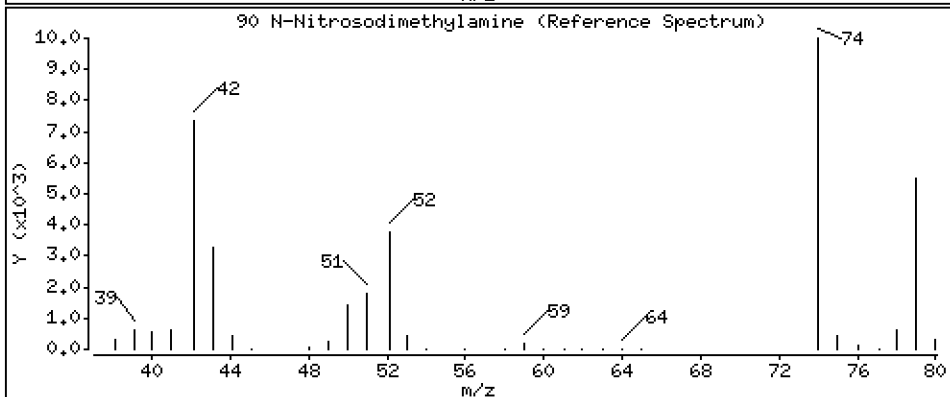
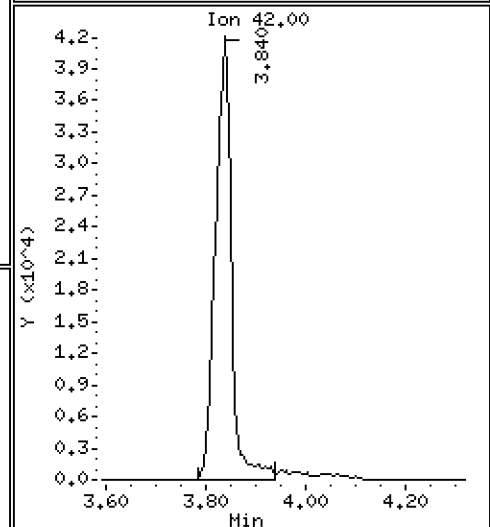
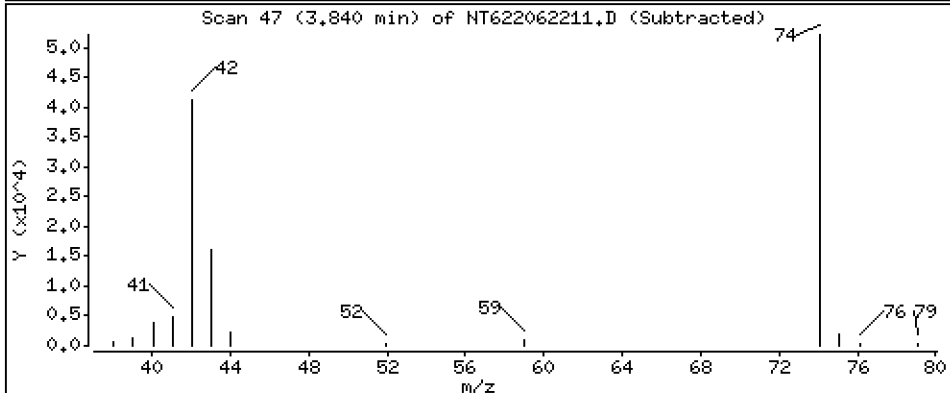
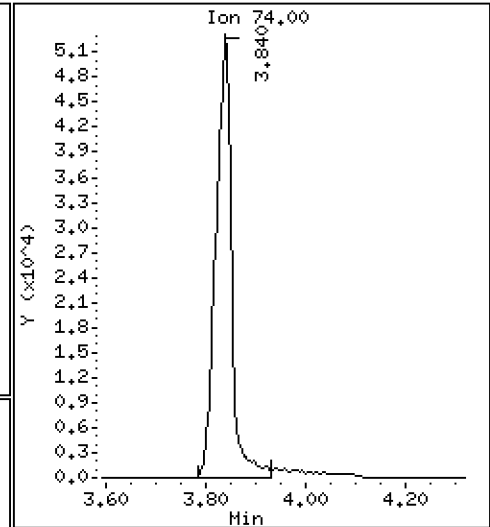
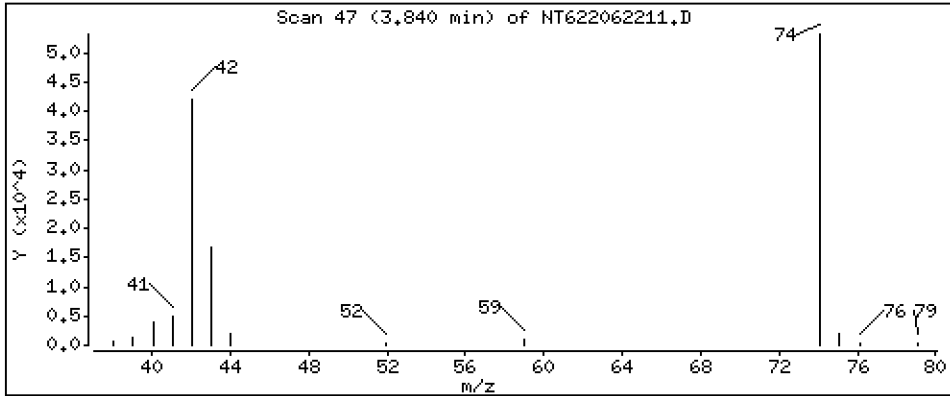
Operator: JZ

Column phase: ZB-5msi

Column diameter: 0.32

90 N-Nitrosodimethylamine

Concentration: 60.91 ug/mL



Date : 22-JUN-2022 16:45

Client ID:

Instrument: nt6.i

Sample Info: BKF0450-BSD1,

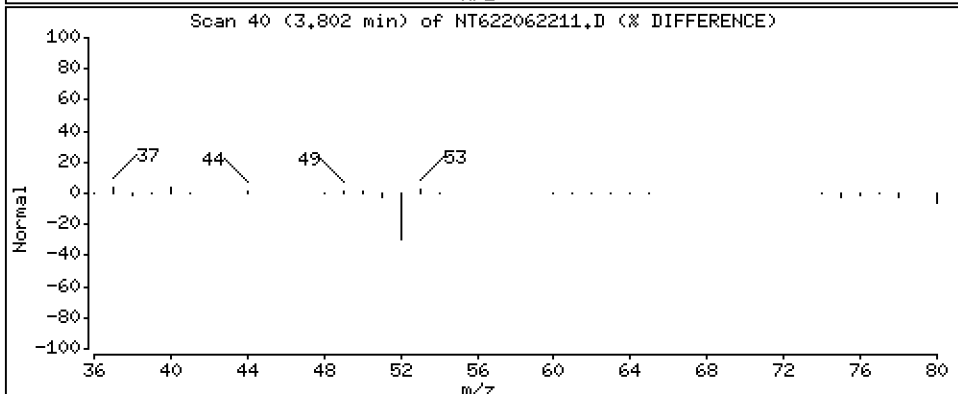
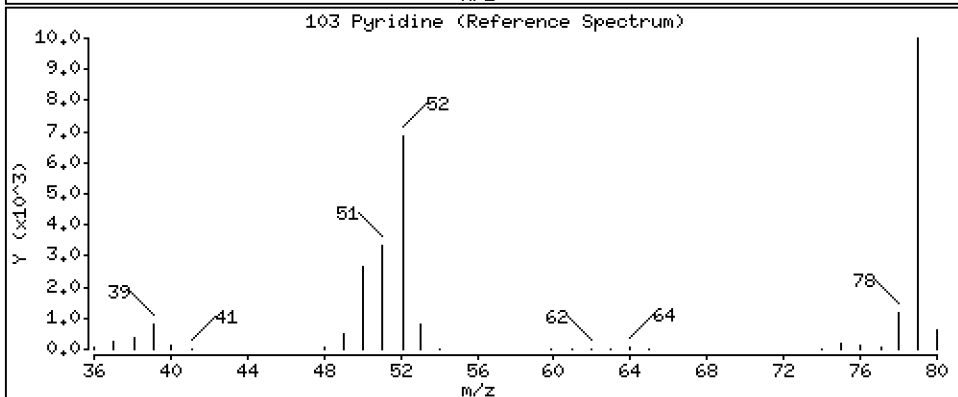
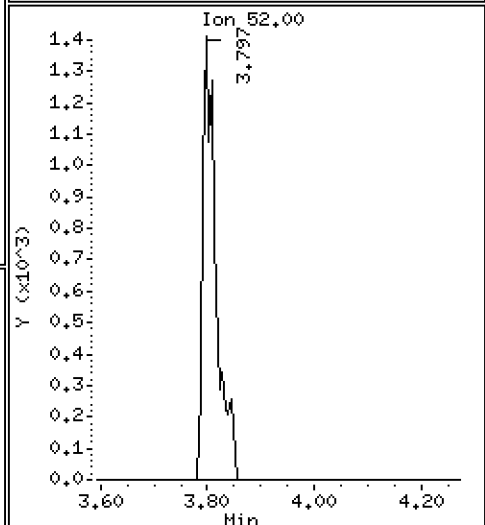
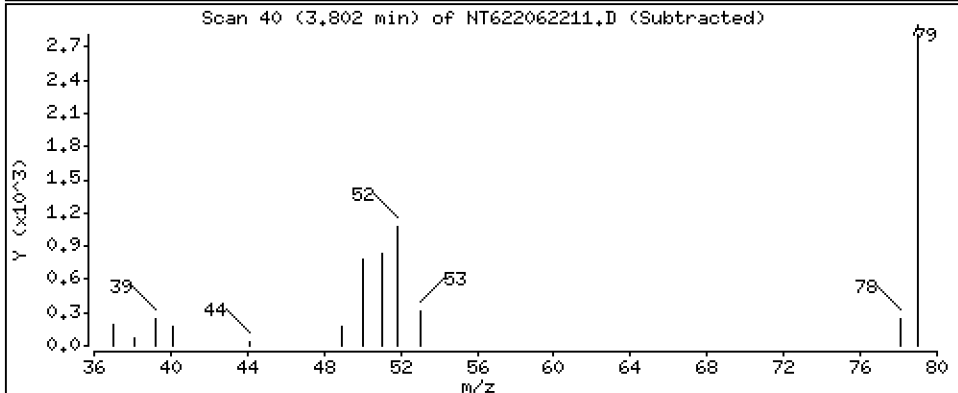
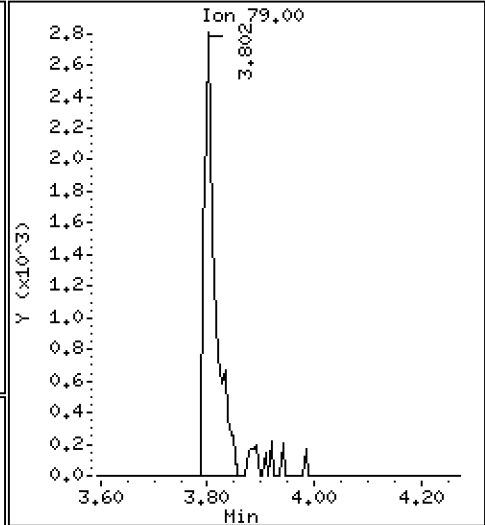
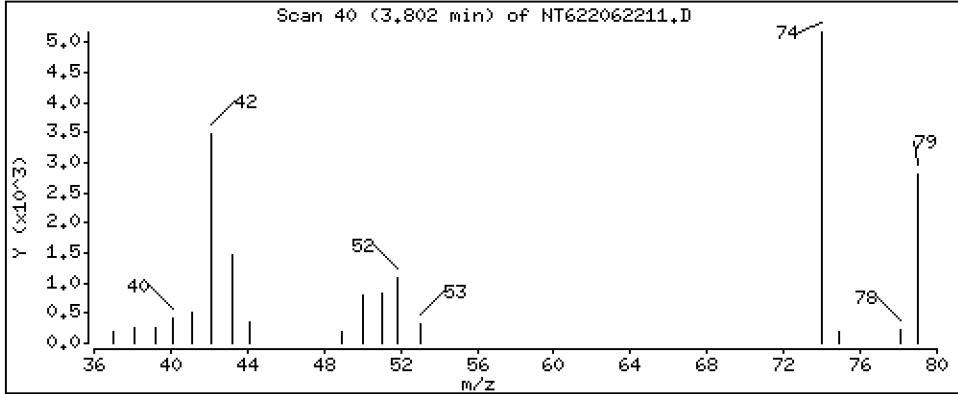
Operator: JZ

Column phase: ZB-5msi

Column diameter: 0.32

103 Pyridine

Concentration: 1.127 ug/mL



Date : 22-JUN-2022 16:45

Client ID:

Instrument: nt6.i

Sample Info: BKF0450-BSD1,

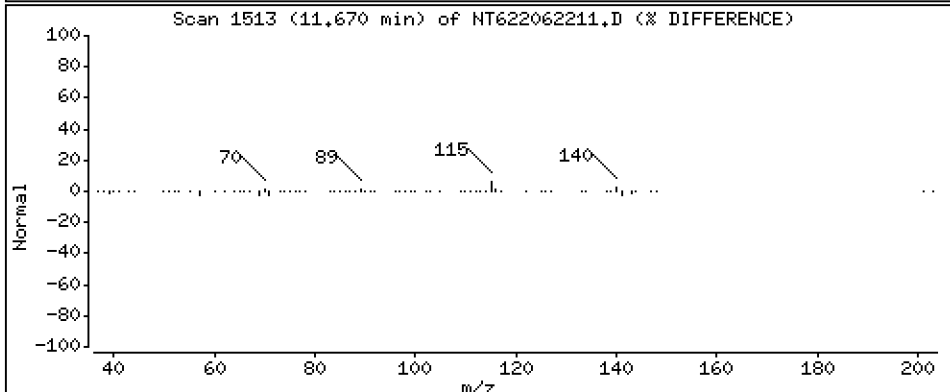
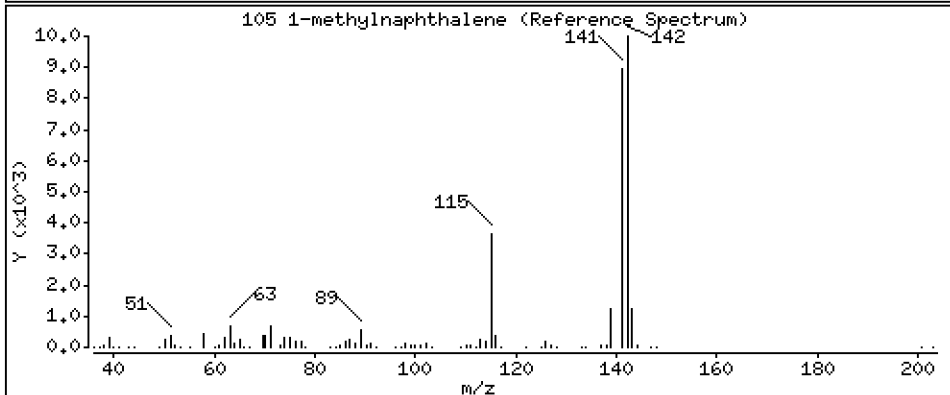
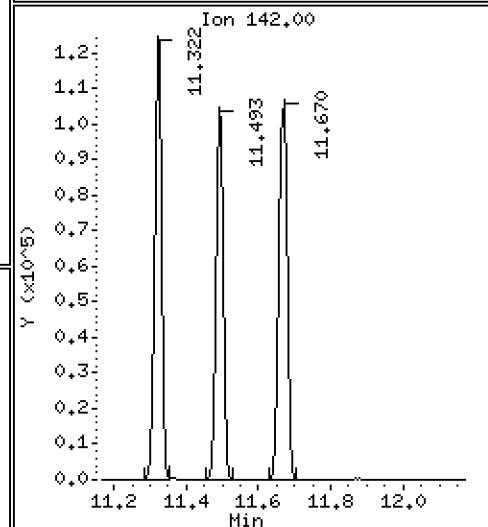
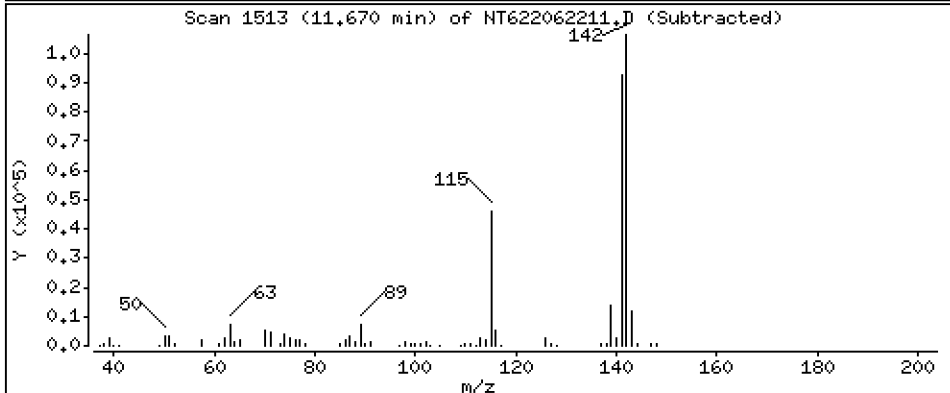
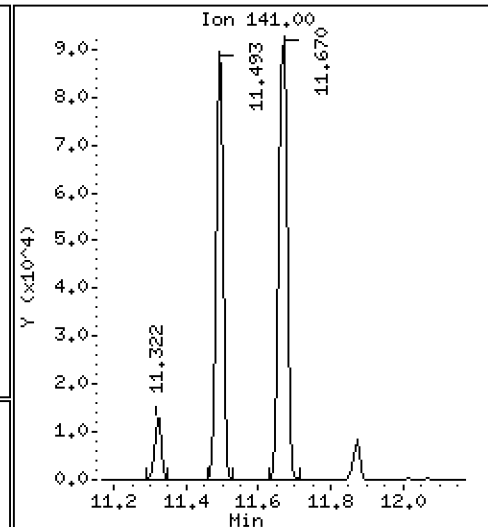
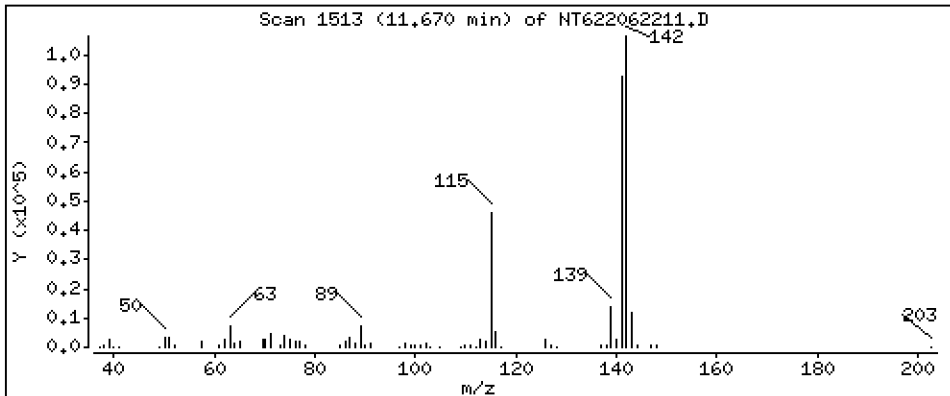
Operator: JZ

Column phase: ZB-5msi

Column diameter: 0.32

105 1-methylnaphthalene

Concentration: 21.11 ug/mL



Date : 22-JUN-2022 16:45

Client ID:

Instrument: nt6.i

Sample Info: BKF0450-BSD1,

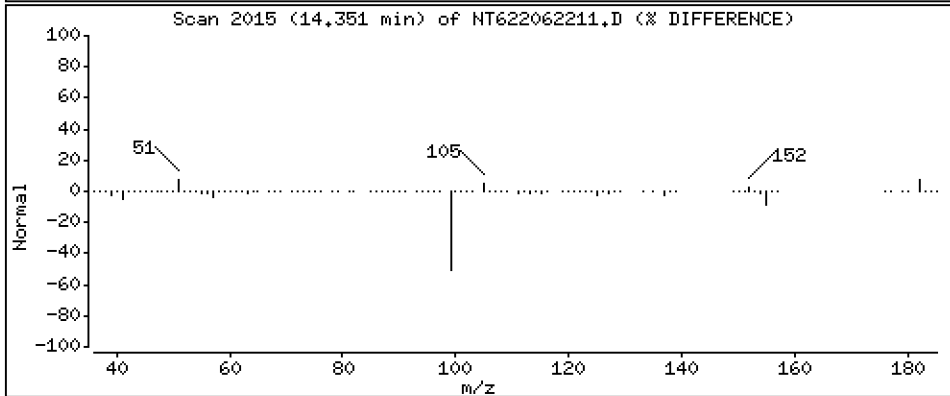
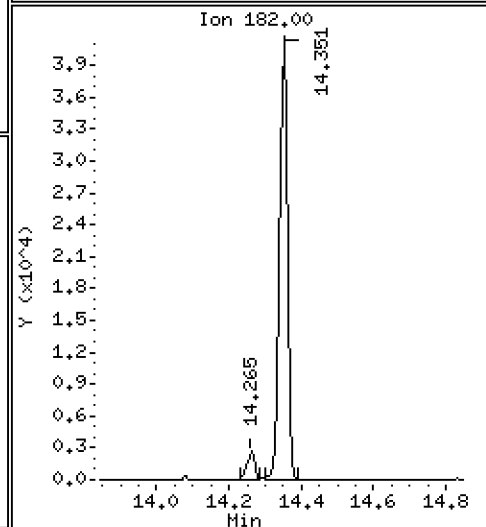
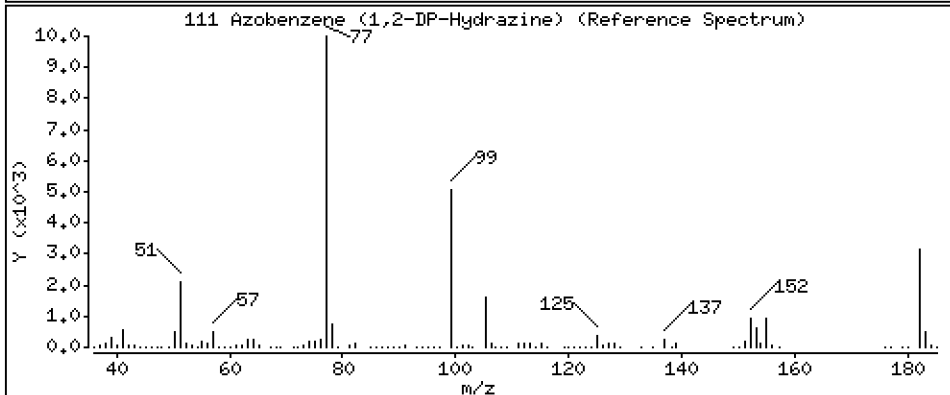
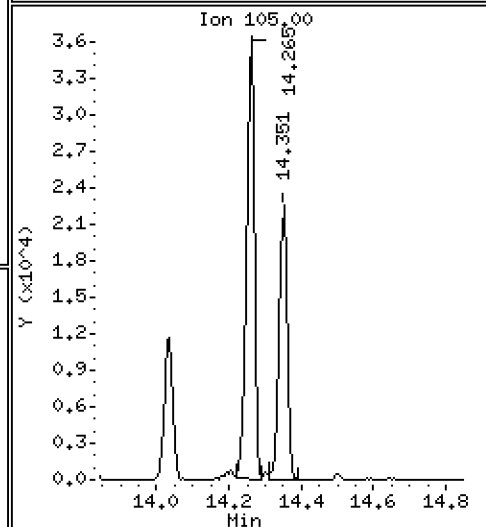
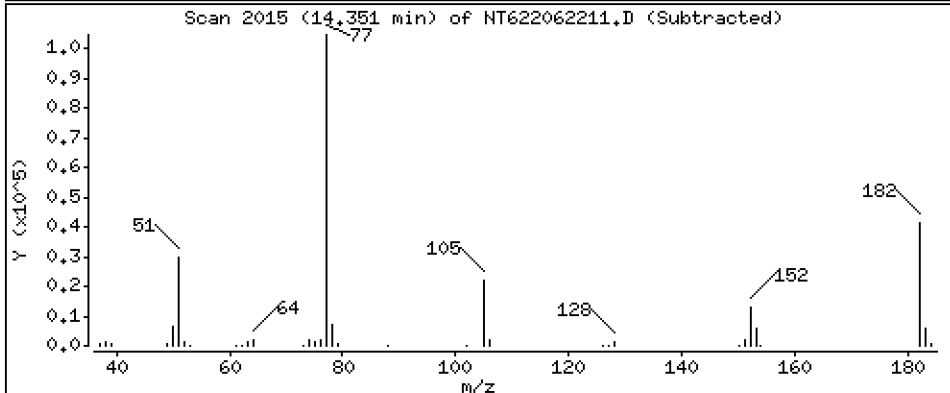
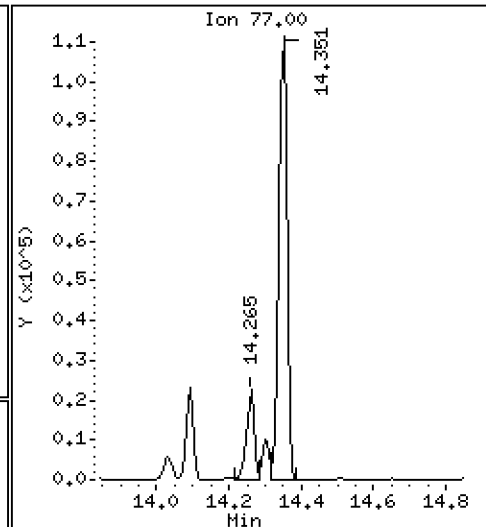
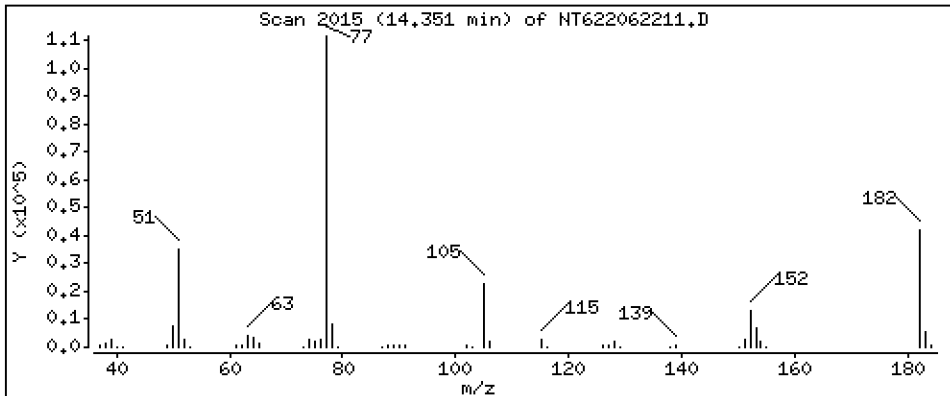
Operator: JZ

Column phase: ZB-5msi

Column diameter: 0.32

111 Azobenzene (1,2-DP-Hydrazine)

Concentration: 19.72 ug/mL



Date : 22-JUN-2022 16:45

Client ID:

Instrument: nt6.i

Sample Info: BKF0450-BSD1,

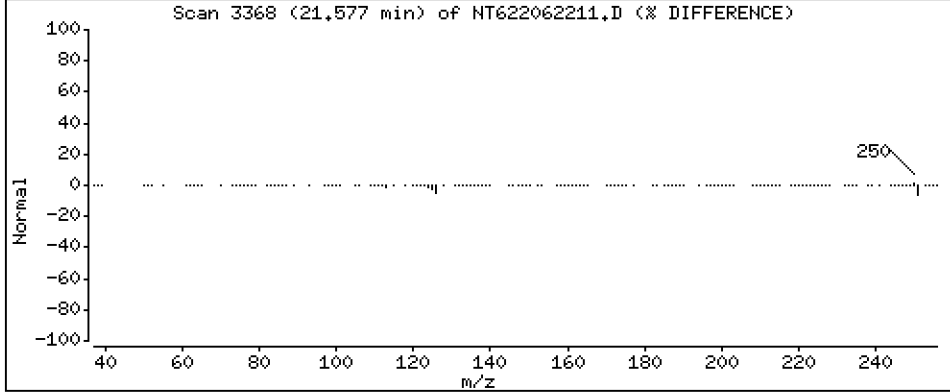
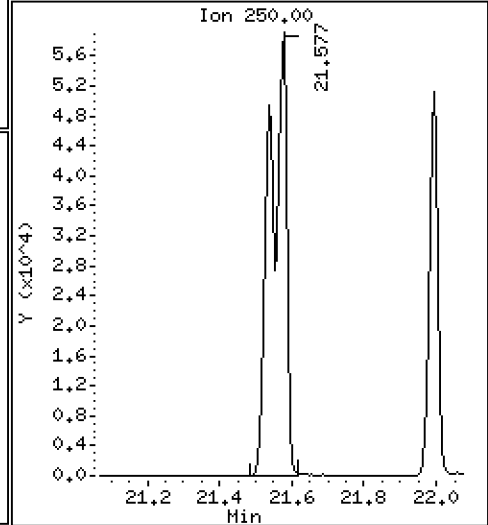
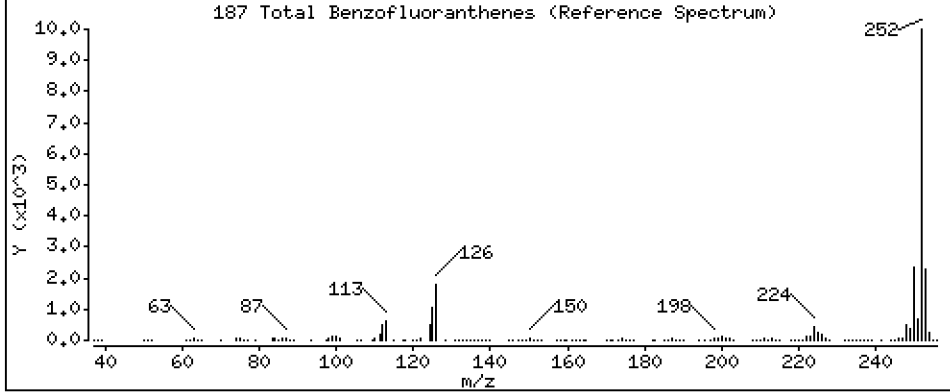
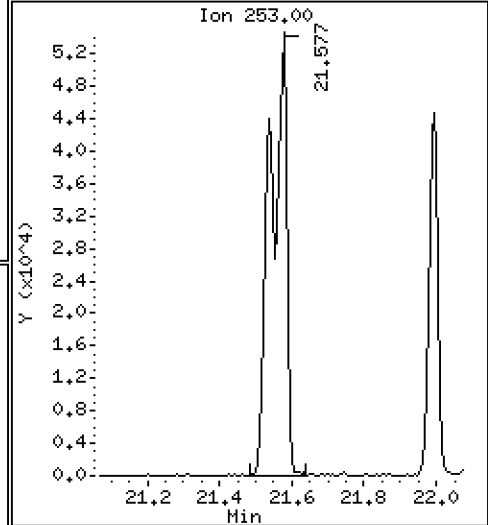
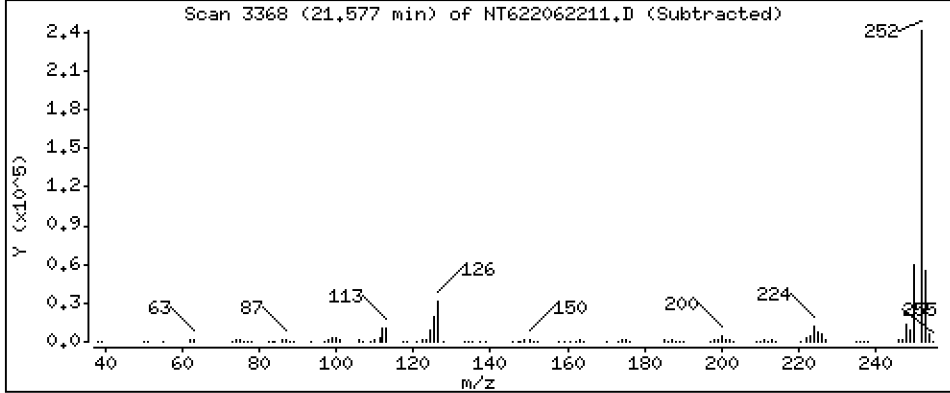
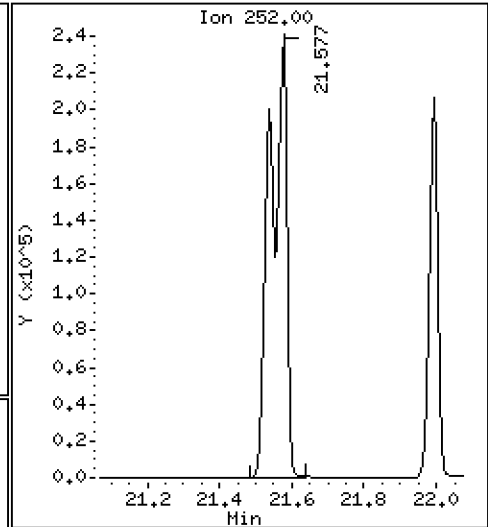
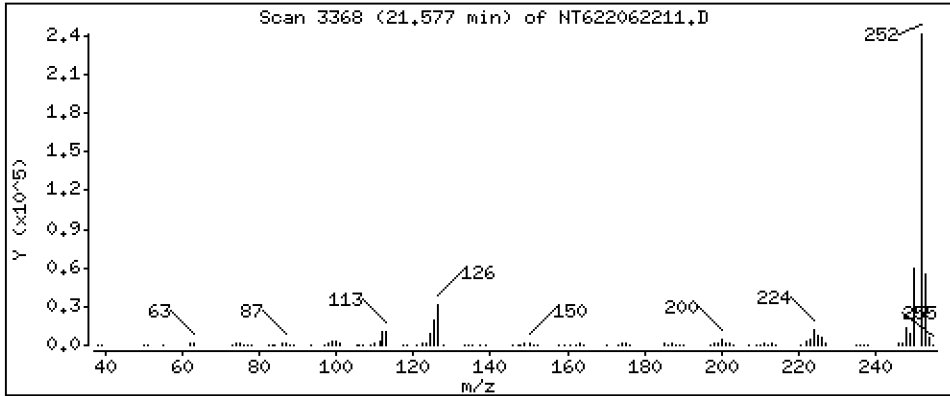
Operator: JZ

Column phase: ZB-5msi

Column diameter: 0,32

187 Total Benzofluoranthenes

Concentration: 45,21 ug/mL



ARI Labs, Inc.

Semivolatile Report SW846 Method 8270D

Data file : \\target\share\chem3\nt6.i\20220622.b\NT622062211.D
 Lab Smp Id: BKF0450-BSD1
 Inj Date : 22-JUN-2022 16:45
 Operator : JZ Inst ID: nt6.i
 Smp Info : BKF0450-BSD1,
 Misc Info : 22-
 Comment : 1ul Injection
 Method : \\target\share\chem3\nt6.i\20220622.b\SW84620220516.m
 Meth Date : 24-Jun-2022 18:07 jianqing Quant Type: ISTD
 Cal Date : 16-MAY-2022 18:52 Cal File: NT622051604.D
 Als bottle: 11
 Dil Factor: 1.00000
 Integrator: HP RTE Compound Sublist: LLM DL.sub
 Target Version: 4.14
 Processing Host: JIANQING-202105

Compounds	QUANT	SIG	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS	
							ON-COLUMN	FINAL
	MASS						(ug/mL)	(ug/mL)
\$ 1 2-Fluorophenol	112		6.371	6.370	(0.766)	132130	31.8351	31.84
\$ 2 Phenol-d5	99		7.877	7.877	(0.947)	158417	33.3663	33.37
3 Phenol	94		7.893	7.893	(0.949)	97220	17.6176	17.62
\$ 5 2-Chlorophenol-d4	132		8.016	8.016	(0.964)	142682	33.2493	33.25
4 Bis(2-Chloroethyl)ether	93		7.984	7.983	(0.960)	72729	21.8404	21.84
6 2-Chlorophenol	128		8.037	8.037	(0.967)	80435	17.8518	17.85
7 1,3-Dichlorobenzene	146		8.251	8.251	(0.992)	74224	15.8554	15.86
* 8 1,4-Dichlorobenzene-d4	152		8.315	8.309	(1.000)	76789	20.0000	
9 1,4-Dichlorobenzene	146		8.336	8.336	(1.003)	73158	16.0205	16.02
\$ 10 1,2-Dichlorobenzene-d4	152		8.609	8.608	(1.035)	59936	19.5161	19.52
12 1,2-Dichlorobenzene	146		8.630	8.630	(1.038)	72019	16.6096	16.61
11 Benzyl alcohol	108		8.593	8.587	(1.033)	56223	21.8142	21.81
14 2,2'-oxybis(1-Chloropropane)	45		8.844	8.843	(1.064)	60810	23.7858	23.79
13 2-Methylphenol	108		8.817	8.811	(1.060)	67280	18.0010	18.00
17 Hexachloroethane	117		9.116	9.116	(1.096)	27458	14.9099	14.91
16 N-Nitroso-di-n-propylamine	70		9.057	9.057	(1.089)	51346	20.5668	20.57
15 4-Methylphenol	108		9.052	9.041	(1.089)	76865	19.2804	19.28
\$ 18 Nitrobenzene-d5	82		9.239	9.239	(0.893)	94379	23.4385	23.44
19 Nitrobenzene	77		9.266	9.265	(0.895)	80296	20.9985	21.00
20 Isophorone	82		9.650	9.639	(0.932)	150061	30.9548	30.95
21 2-Nitrophenol	139		9.778	9.778	(0.945)	47464	20.0607	20.06
22 2,4-Dimethylphenol	107		9.880	9.874	(0.955)	207582	46.6644	46.66
23 Bis(2-Chloroethoxy)methane	93		10.029	10.024	(0.969)	83758	24.2054	24.21
24 Benzoic acid	105		10.190	10.115	(0.985)	289821	102.086	102.1
25 2,4-Dichlorophenol	162		10.163	10.157	(0.982)	190085	52.4429	52.44
26 1,2,4-Trichlorobenzene	180		10.286	10.285	(0.994)	69126	16.7374	16.74
* 27 Naphthalene-d8	136		10.350	10.350	(1.000)	262224	20.0000	
28 Naphthalene	128		10.382	10.376	(1.003)	210759	19.1223	19.12
29 4-Chloroaniline	127		10.521	10.515	(1.017)	215422	47.5558	47.56
30 Hexachlorobutadiene	225		10.686	10.691	(1.033)	40043	15.0273	15.03
31 4-Chloro-3-methylphenol	107		11.322	11.316	(1.094)	201253	55.1283	55.13
32 2-Methylnaphthalene	141		11.493	11.493	(1.110)	121653	19.3296	19.33
33 Hexachlorocyclopentadiene	237		11.872	11.872	(0.899)	90982	31.0058	31.01

Compounds	QUANT	SIG						CONCENTRATIONS	
			MASS	RT	EXP RT	REL RT	RESPONSE	ON-COLUMN (ug/mL)	FINAL (ug/mL)
34 2,4,6-Trichlorophenol	196		12.011	12.005	(0.909)	164573	54.3232	54.32	
35 2,4,5-Trichlorophenol	196		12.070	12.064	(0.913)	168776	52.3163	52.32	
§ 36 2-Fluorobiphenyl	172		12.134	12.133	(0.918)	213140	21.5967	21.60	
37 2-Chloronaphthalene	162		12.278	12.272	(0.929)	146986	18.7077	18.71	
38 2-Nitroaniline	65		12.518	12.507	(0.947)	105730	53.2333	53.23	
39 Dimethylphthalate	163		12.881	12.876	(0.975)	190721	22.1815	22.18	
40 Acenaphthylene	152		12.956	12.956	(0.981)	245180	19.2461	19.25	
41 2,6-Dinitrotoluene	165		12.983	12.972	(0.983)	114947	58.6457	58.65	
* 42 Acenaphthene-d10	164		13.213	13.207	(1.000)	162231	20.0000		
43 3-Nitroaniline	138		13.202	13.186	(0.999)	101268	52.9084	52.91	
44 Acenaphthene	153		13.261	13.255	(1.004)	151086	20.0035	20.00	
45 2,4-Dinitrophenol	184		13.362	13.351	(1.011)	125464	96.8746	96.87	
46 Dibenzofuran	168		13.522	13.517	(1.023)	227842	20.8734	20.87	
47 4-Nitrophenol	109		13.496	13.490	(1.021)	81350	58.8061	58.81	
48 2,4-Dinitrotoluene	165		13.613	13.597	(1.030)	148496	58.7036	58.70	
50 Diethylphthalate	149		14.035	14.030	(1.062)	194732	23.4466	23.45	
49 Fluorene	166		14.078	14.078	(1.065)	181778	20.8182	20.82	
51 4-Chlorophenyl-phenylether	204		14.094	14.094	(1.067)	105329	21.4960	21.50	
52 4-Nitroaniline	138		14.206	14.184	(1.075)	95595	55.2272	55.23	
53 4,6-Dinitro-2-methylphenol	198		14.265	14.254	(0.915)	152236	93.5421	93.54	
54 N-Nitrosodiphenylamine	169		14.302	14.302	(0.917)	126717	19.6687	19.67	
§ 55 2,4,6-Tribromophenol	330		14.505	14.500	(1.098)	51929	37.6193	37.62	
56 4-Bromophenyl-phenylether	248		14.879	14.879	(0.954)	63771	22.8406	22.84	
57 Hexachlorobenzene	284		15.103	15.103	(0.969)	67124	22.0910	22.09	
58 Pentachlorophenol	266		15.402	15.397	(0.988)	115013	56.6616	56.66	
* 59 Phenanthrene-d10	188		15.589	15.584	(1.000)	297228	20.0000		
60 Phenanthrene	178		15.627	15.621	(1.002)	264100	21.5562	21.56	
61 Anthracene	178		15.696	15.696	(1.007)	255843	20.8763	20.88	
62 Carbazole	167		15.979	15.974	(1.025)	215847	20.4897	20.49	
63 Di-n-butylphthalate	149		16.674	16.673	(1.070)	318727	24.1614	24.16	
64 Fluoranthene	202		17.560	17.560	(1.126)	343509	24.8076	24.81	
65 Pyrene	202		17.918	17.918	(0.900)	349631	18.2796	18.28	
§ 66 Terphenyl-d14	244		18.222	18.222	(0.915)	310525	21.4410	21.44	
67 Butylbenzylphthalate	149		19.098	19.098	(0.959)	159090	21.2457	21.25	
68 Benzo(a)anthracene	228		19.878	19.878	(0.998)	363810	21.5383	21.54	
* 69 Chrysene-d12	240		19.910	19.905	(1.000)	304645	20.0000		
70 3,3'-Dichlorobenzidine	252		19.889	19.883	(0.999)	271310	53.6262	53.63	
71 Chrysene	228		19.948	19.947	(1.002)	319793	20.6088	20.61	
72 bis(2-Ethylhexyl)phthalate	149		20.087	20.086	(0.956)	196997	21.3524	21.35	
* 134 Di-n-octylphthalate-d4	153		21.021	21.021	(1.000)	398798	20.0000		
73 Di-n-octylphthalate	149		21.027	21.026	(1.000)	366782	22.0370	22.04	
74 Benzo(b)fluoranthene	252		21.539	21.539	(0.976)	358905	21.8563	21.86	
75 Benzo(k)fluoranthene	252		21.577	21.571	(0.977)	383837	23.3281	23.33	
76 Benzo(a)pyrene	252		21.993	21.988	(0.996)	338548	21.9695	21.97	
* 77 Perylene-d12	264		22.079	22.068	(1.000)	332640	20.0000		
78 Indeno(1,2,3-cd)pyrene	276		23.681	23.676	(1.073)	385244	17.1034	17.10	
79 Dibenzo(a,h)anthracene	278		23.702	23.702	(1.074)	327688	17.3914	17.39	
80 Benzo(g,h,i)perylene	276		24.135	24.135	(1.093)	294748	15.2568	15.26	
90 N-Nitrosodimethylamine	74		3.839	3.817	(0.462)	118020	60.9075	60.91	
103 Pyridine	79		3.802	3.769	(0.457)	4112	1.12746	1.127	
105 1-methylnaphthalene	141		11.669	11.669	(1.127)	125421	21.1142	21.11	
111 Azobenzene (1,2-DP-Hydrazine)	77		14.350	14.345	(0.921)	149224	19.7195	19.72	
187 Total Benzofluoranthenes	252		21.577	21.571	(0.977)	706469	45.2093	45.21	
144 alpha-Terpineol	59		Compound Not Detected.						

Compounds	QUANT SIG	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS	
	MASS					ON-COLUMN	FINAL
=====	====	====	=====	=====	=====	=====	

ARI Labs, Inc.

INTERNAL STANDARD COMPOUNDS
 AREA AND RT SUMMARY

Instrument ID: nt6.i Calibration Date: 22-JUN-2022
 Lab File ID: NT622062211.D Calibration Time: 10:58
 Lab Smp Id: BKF0450-BSD1
 Analysis Type: SV Level:
 Quant Type: ISTD Sample Type:
 Operator: JZ
 Method File: \\target\share\chem3\nt6.i\20220622.b\SW84620220516.m
 Misc Info: 22-

Test Mode:
 Use Last Continuing Calibrator.

COMPOUND	STANDARD	AREA LIMIT		SAMPLE	%DIFF
		LOWER	UPPER		
8 1,4-Dichlorobenze	56102	28051	112204	76789	36.87
27 Naphthalene-d8	190364	95182	380728	262224	37.75
42 Acenaphthene-d10	122124	61062	244248	162231	32.84
59 Phenanthrene-d10	231281	115641	462562	297228	28.51
69 Chrysene-d12	202750	101375	405500	304645	50.26
134 Di-n-octylphthala	284466	142233	568932	398798	40.19
77 Perylene-d12	214859	107430	429718	332640	54.82

COMPOUND	STANDARD	RT LIMIT		SAMPLE	%DIFF
		LOWER	UPPER		
8 1,4-Dichlorobenze	8.31	7.81	8.81	8.32	0.07
27 Naphthalene-d8	10.35	9.85	10.85	10.35	0.00
42 Acenaphthene-d10	13.21	12.71	13.71	13.21	0.04
59 Phenanthrene-d10	15.58	15.08	16.08	15.59	0.04
69 Chrysene-d12	19.91	19.41	20.41	19.91	0.03
134 Di-n-octylphthala	21.02	20.52	21.52	21.02	0.00
77 Perylene-d12	22.07	21.57	22.57	22.08	0.05

AREA UPPER LIMIT = +100% of internal standard area.
 AREA LOWER LIMIT = - 50% of internal standard area.
 RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
 RT LOWER LIMIT = - 0.50 minutes of internal standard RT.

REVIEW SUMMARY FOR FILE - NT622062211.D

Lab ID: BKF0450-BSD1
nt6.i, SW84620220516.m, 22-JUN-2022 16:45

RT CO-ELUTION COMPOUNDS

NO CO-ELUTIONS

Quant Method: ICAL

No RRT check performed

On Column LOD for nt6.i, SW84620220516.m, LLMDL.sub = 0.2000

* Only compounds listed in the work order have been verified by the analyst *



LCS / LCS DUPLICATE RECOVERY
EPA 8270E

Laboratory: Analytical Resources, LLC

SDG: 22F0267

Client: GeoEngineers

Project: RG Haley Site-Bellingham

Matrix: Solid

Analyzed: 06/30/22 16:46

Batch: BKF0469

Laboratory ID: BKF0469-BS1

Preparation: EPA 3546 (Microwave)

Sequence Name: LCS

Initial/Final: 10 g / 1 mL

COMPOUND	SPIKE ADDED (ug/kg wet)	LCS CONCENTRATION (ug/kg wet)	Q	LCS % REC. #	QC LIMITS REC.
Naphthalene	500	372		74.3	43 - 120
2-Methylnaphthalene	500	406		81.2	43 - 120
Acenaphthene	500	386		77.3	45 - 120
Pentachlorophenol	1300	1070	Q	82.5	16 - 120
Phenanthrene	500	395		78.9	49 - 120
Fluoranthene	500	503		101	53 - 145
Benzo(a)anthracene	500	362		72.3	49 - 120
Chrysene	500	408		81.6	47 - 120
Benzo(b)fluoranthene	500	368		73.5	42 - 132
Benzo(k)fluoranthene	500	346		69.2	39 - 129
Benzo(a)pyrene	500	363		72.5	42 - 120
Indeno(1,2,3-cd)pyrene	500	344		68.8	42 - 163
Dibenzo(a,h)anthracene	500	364		72.9	30 - 133
1-Methylnaphthalene	500	403		80.7	42 - 120

* Indicates values outside of QC limits

COMPOUND	SPIKE ADDED (ug/kg wet)	LCSD CONCENTRATION (ug/kg wet)	Q	LCSD % REC. #	% RPD #	QC LIMITS	
						RPD	REC.
Naphthalene	500	355		71.0	4.58	30	43 - 120
2-Methylnaphthalene	500	392		78.3	3.60	30	43 - 120
Acenaphthene	500	370		74.0	4.31	30	45 - 120
Pentachlorophenol	1300	1060	Q	81.8	0.876	30	16 - 120
Phenanthrene	500	372		74.4	5.91	30	49 - 120
Fluoranthene	500	440		88.1	13.2	30	53 - 145
Benzo(a)anthracene	500	332		66.4	8.63	30	49 - 120
Chrysene	500	377		75.4	7.92	30	47 - 120
Benzo(b)fluoranthene	500	344		68.8	6.60	30	42 - 132
Benzo(k)fluoranthene	500	326		65.1	6.09	30	39 - 129
Benzo(a)pyrene	500	342		68.4	5.79	30	42 - 120
Indeno(1,2,3-cd)pyrene	500	325		65.0	5.57	30	42 - 163
Dibenzo(a,h)anthracene	500	341		68.2	6.68	30	30 - 133
1-Methylnaphthalene	500	391		78.3	3.01	30	42 - 120

* Indicates values outside of QC limits

Data File: \\target\share\chem3\nt10.1\20220630.1\NT1022063006.D

Date: 30-JUN-2022 16:46

Client ID:

Sample Info: BKF0469-BS1

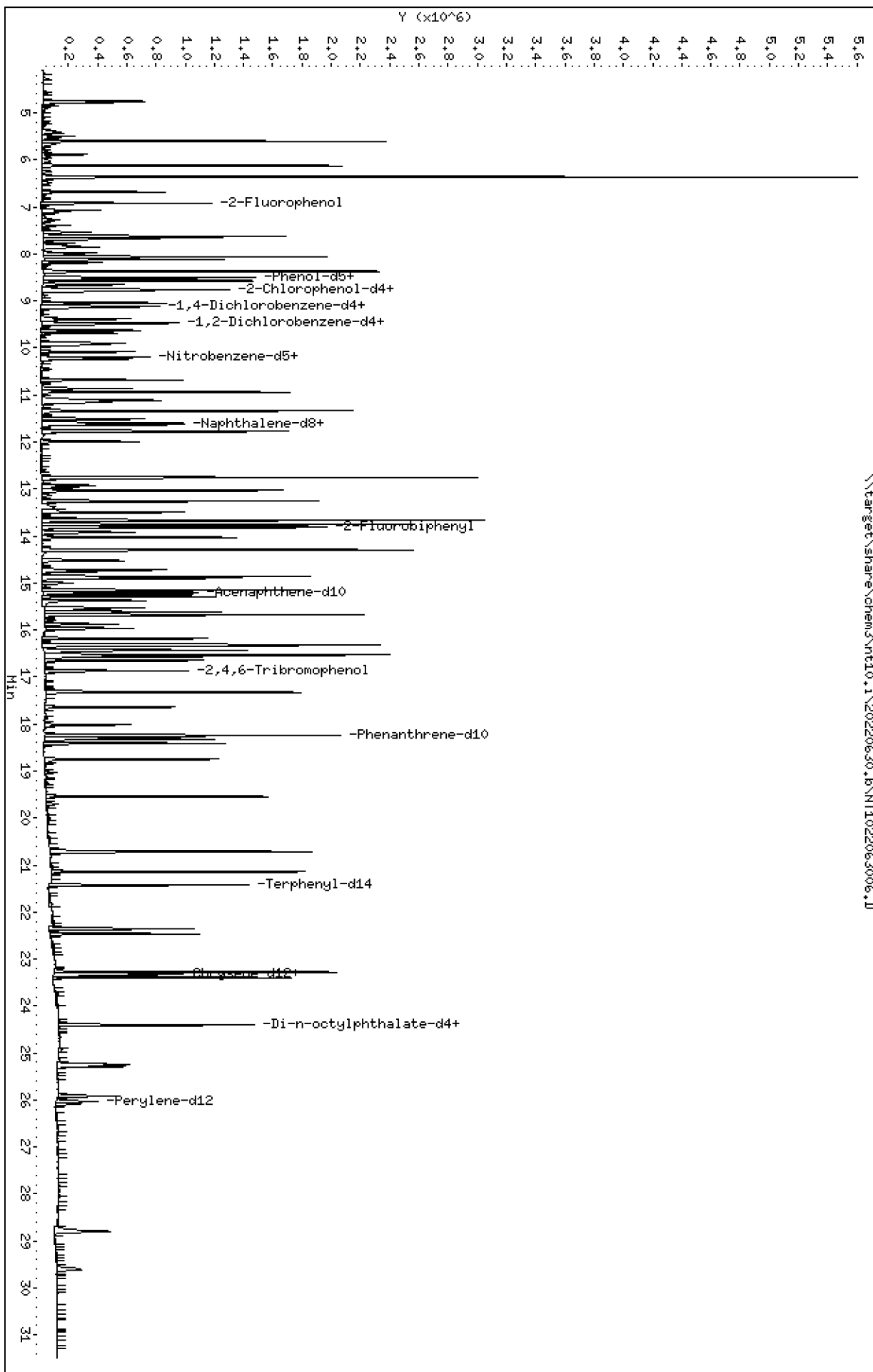
Column phase: ZB-5msi

Instrument: nt10.1

Operator: VTS

Column diameter: 0.25

Page 1



Date : 30-JUN-2022 16:46

Client ID:

Instrument: nt10.i

Sample Info: BKF0469-BS1

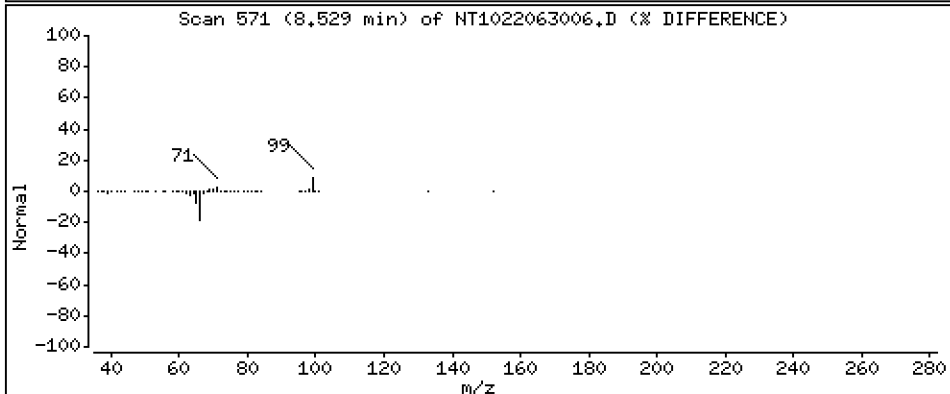
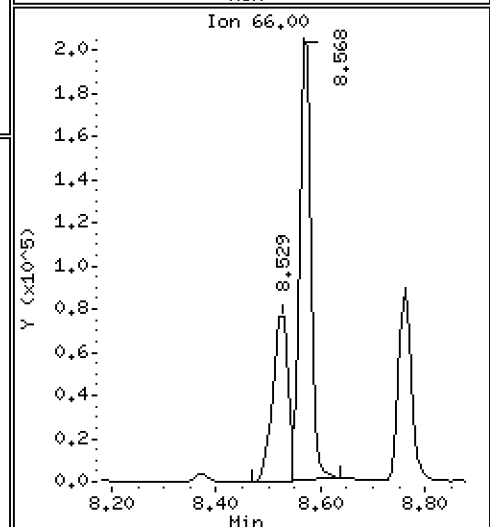
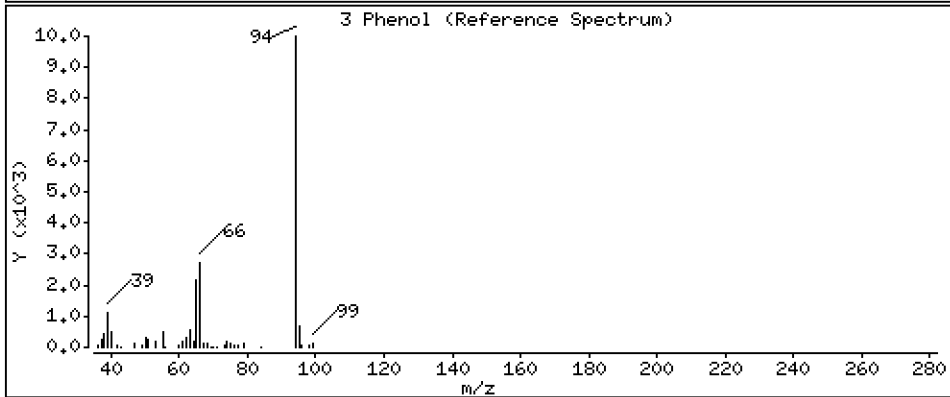
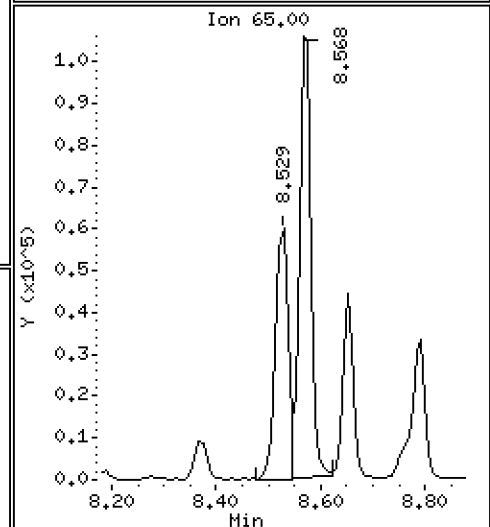
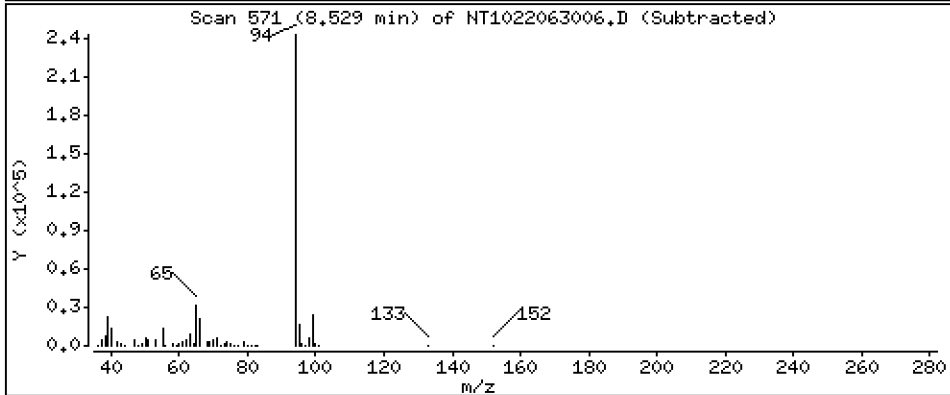
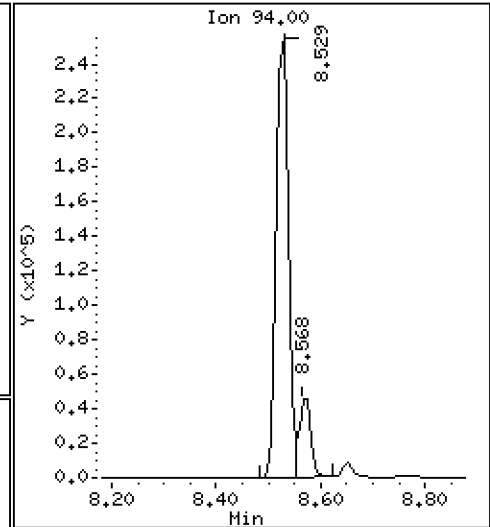
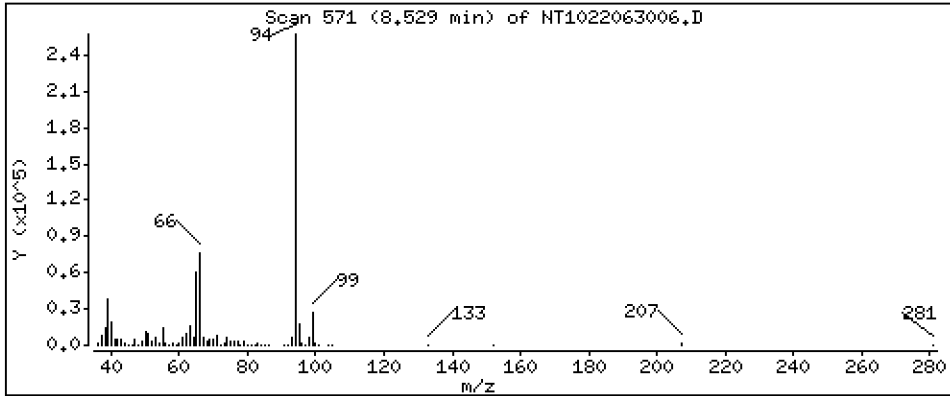
Operator: VTS

Column phase: ZB-5msi

Column diameter: 0,25

3 Phenol

Concentration: 3,487 ug/mL



Date : 30-JUN-2022 16:46

Client ID:

Instrument: nt10.i

Sample Info: BKF0469-BS1

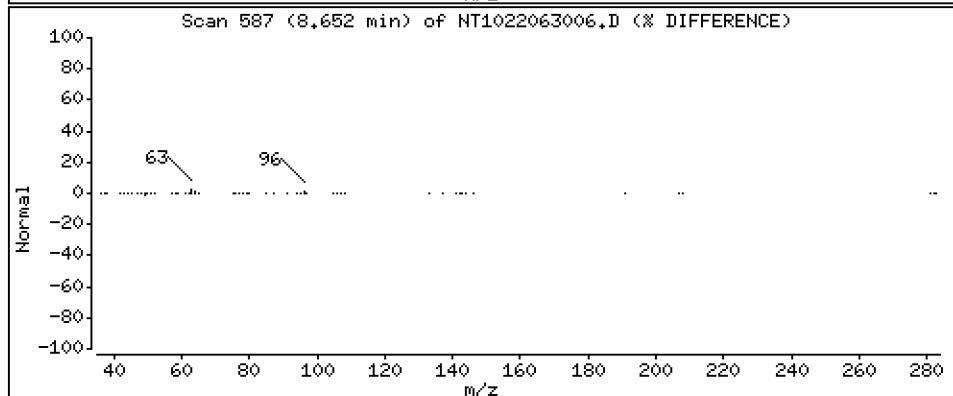
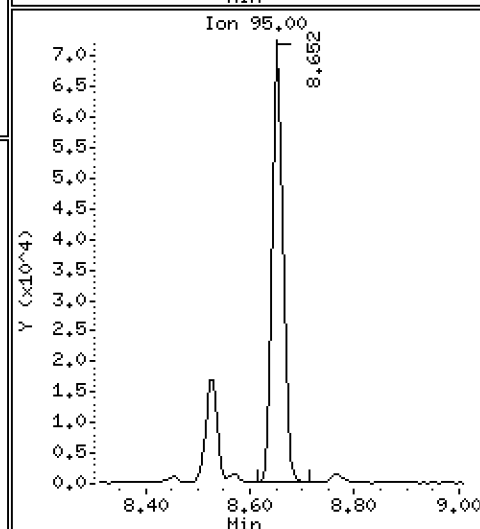
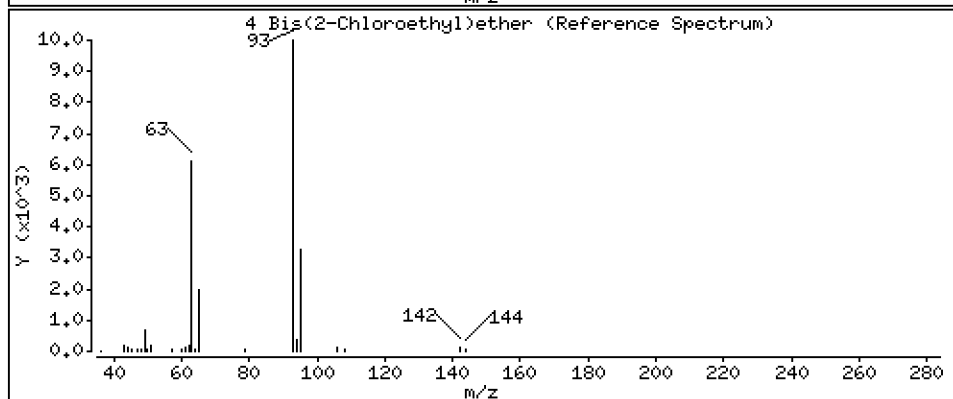
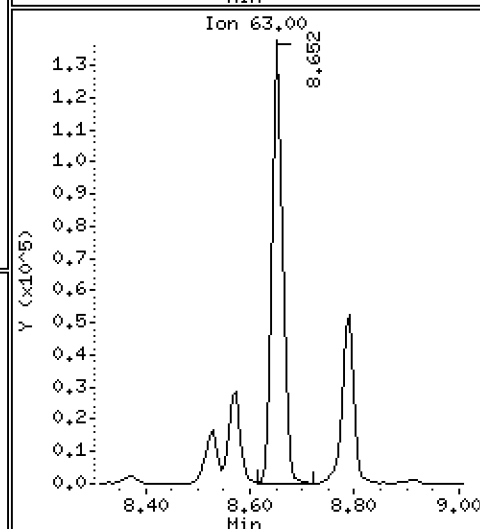
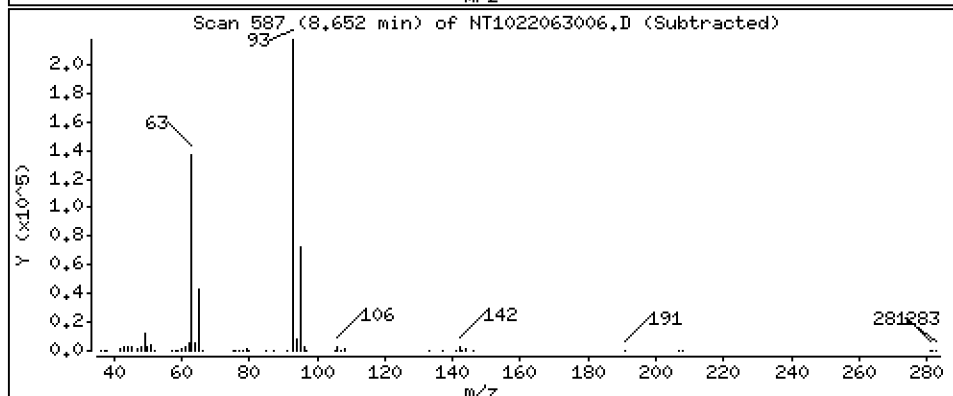
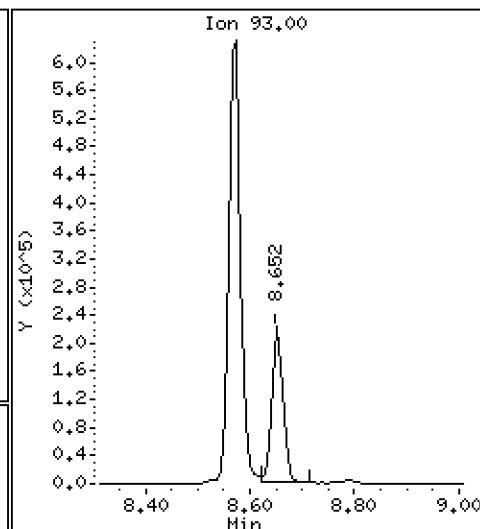
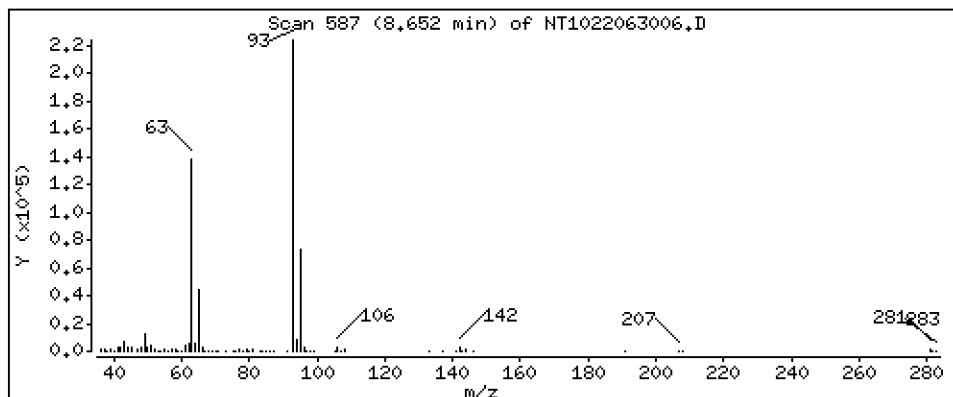
Operator: VTS

Column phase: ZB-5msi

Column diameter: 0,25

4 Bis(2-Chloroethyl)ether

Concentration: 3,927 ug/mL



Date : 30-JUN-2022 16:46

Client ID:

Instrument: nt10.i

Sample Info: BKF0469-BS1

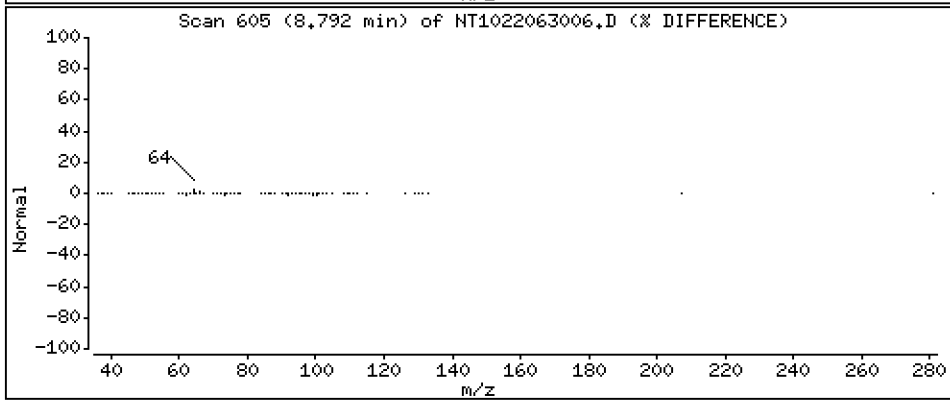
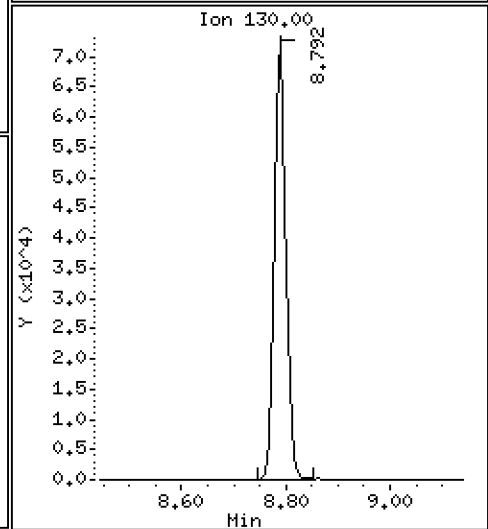
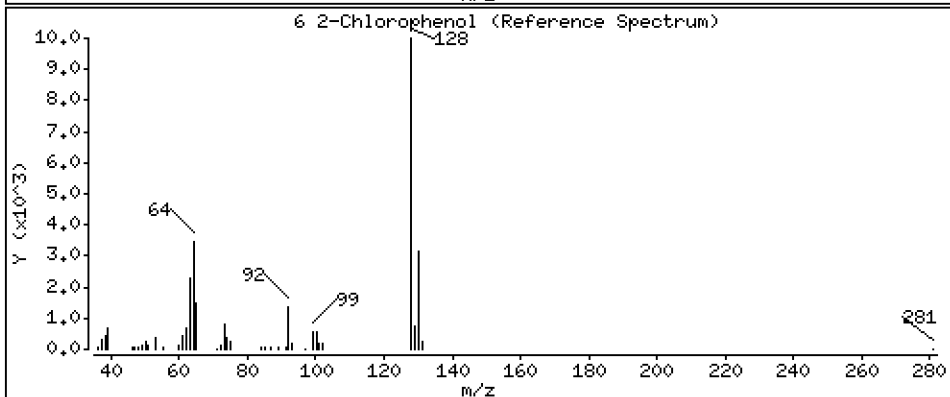
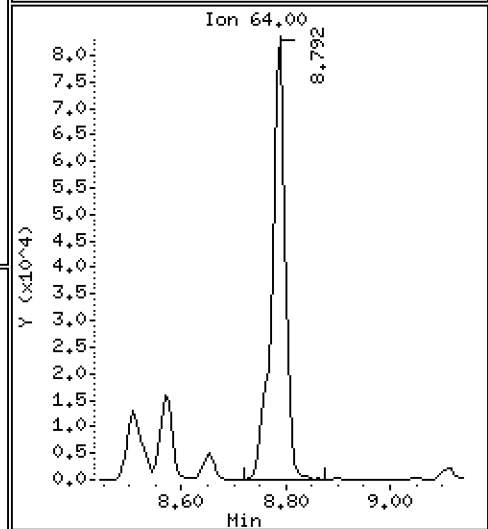
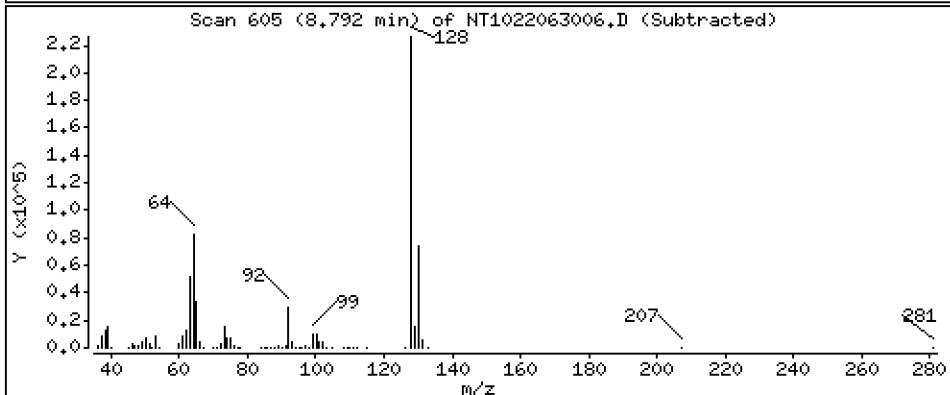
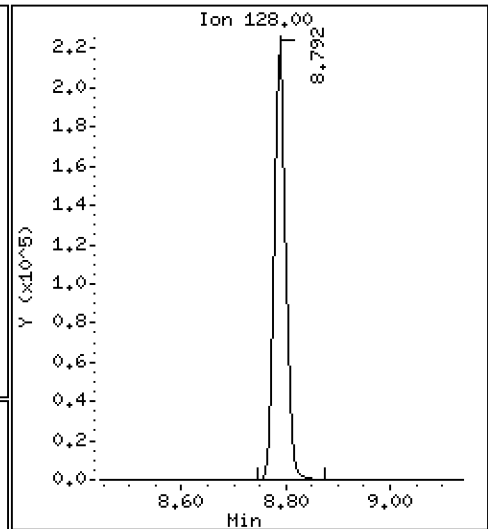
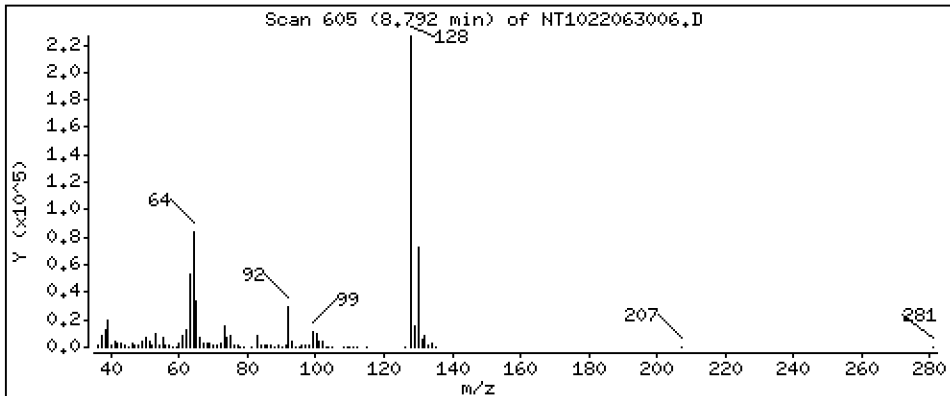
Operator: VTS

Column phase: ZB-5msi

Column diameter: 0,25

6 2-Chlorophenol

Concentration: 3,742 ug/mL



Date : 30-JUN-2022 16:46

Client ID:

Instrument: nt10.i

Sample Info: BKF0469-BS1

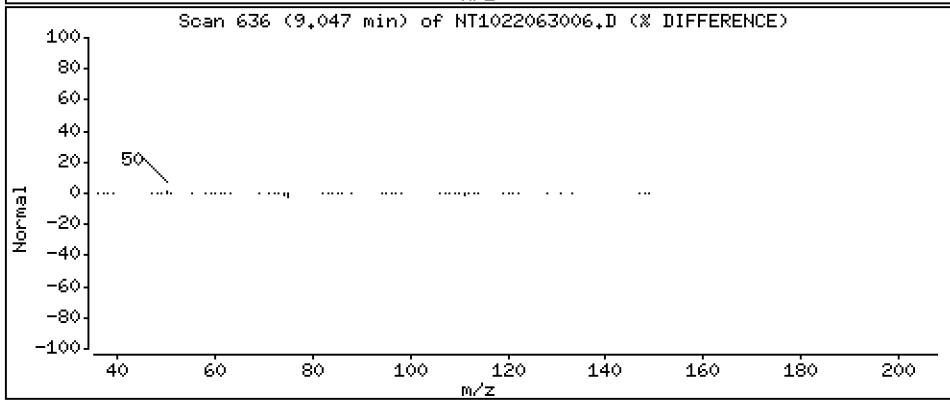
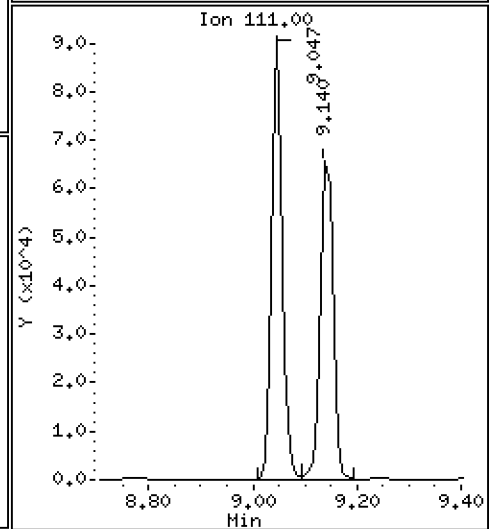
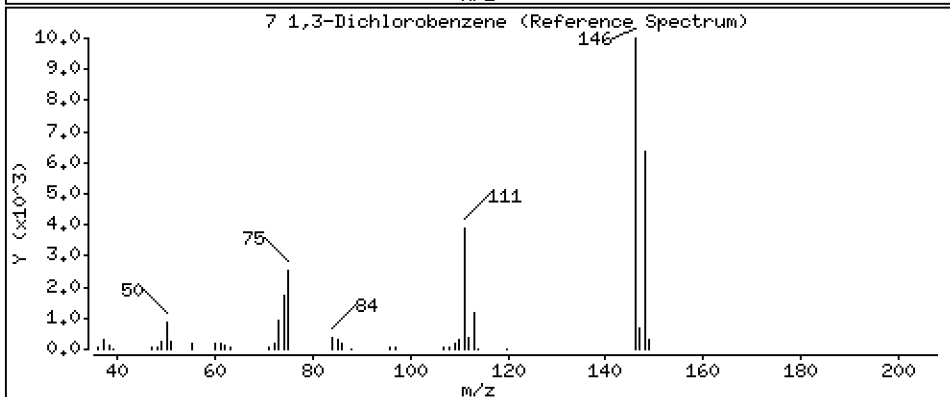
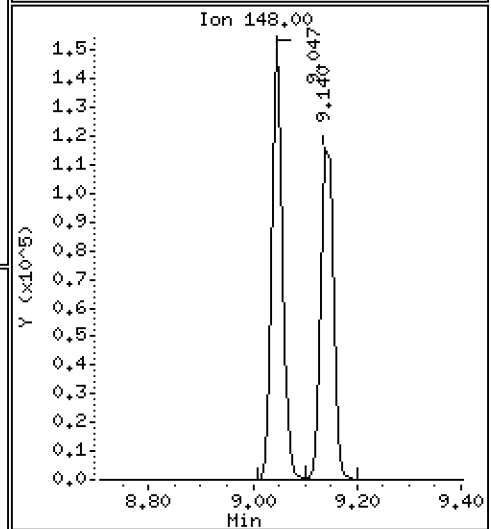
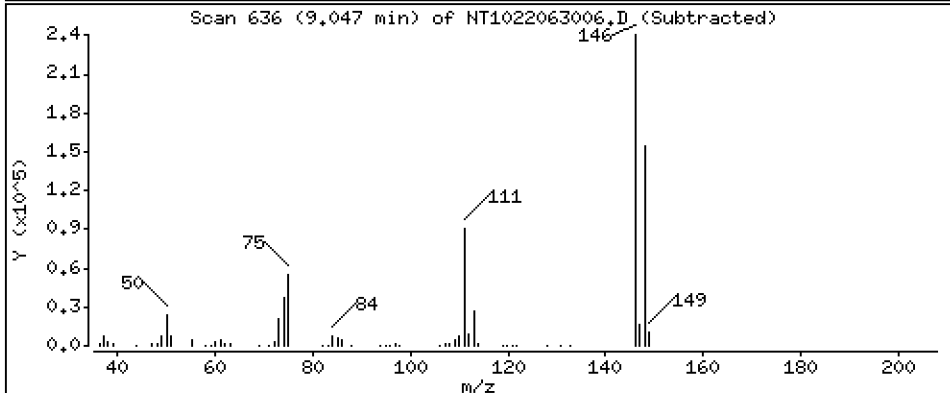
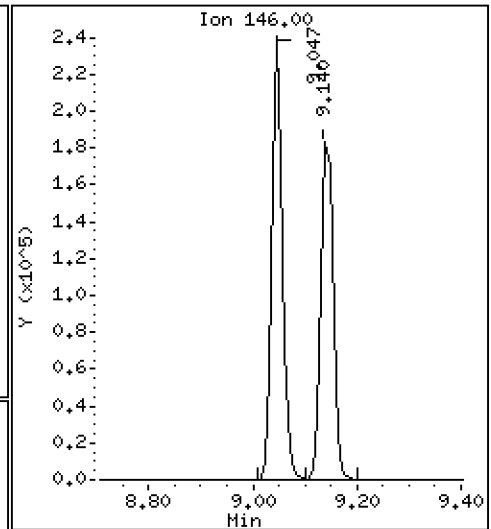
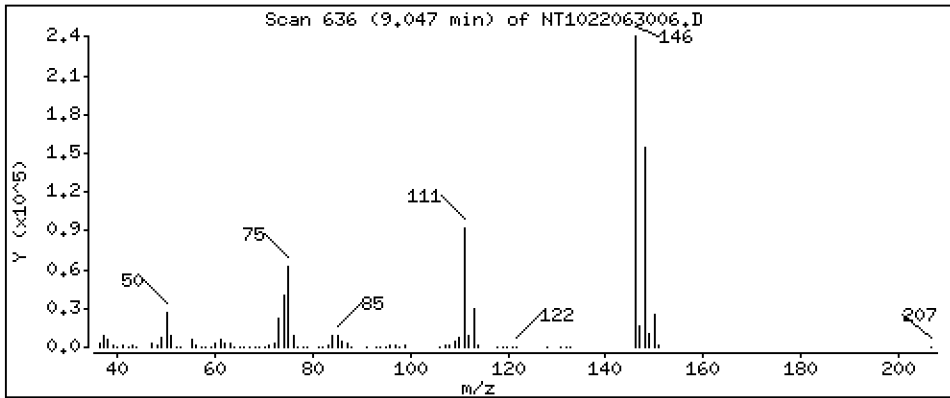
Operator: VTS

Column phase: ZB-5msi

Column diameter: 0,25

7 1,3-Dichlorobenzene

Concentration: 3,559 ug/mL



Date : 30-JUN-2022 16:46

Client ID:

Instrument: nt10.i

Sample Info: BKF0469-BS1

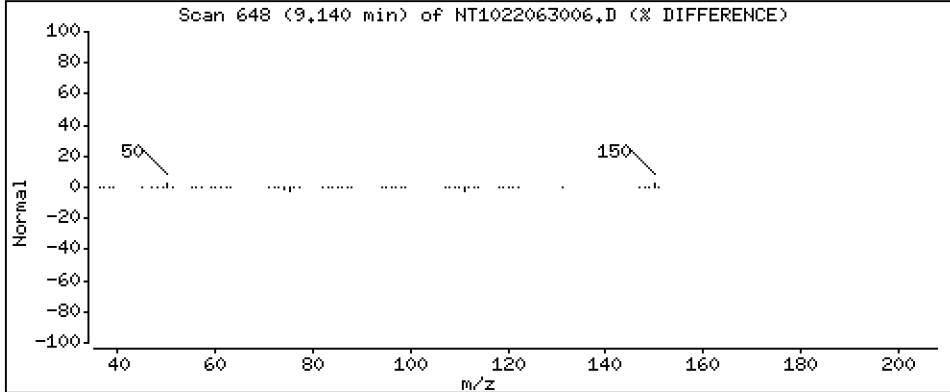
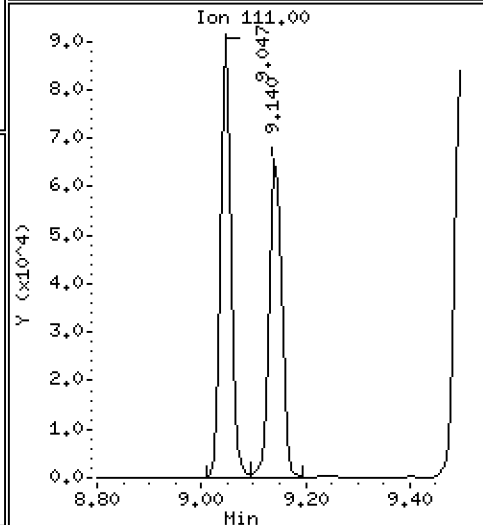
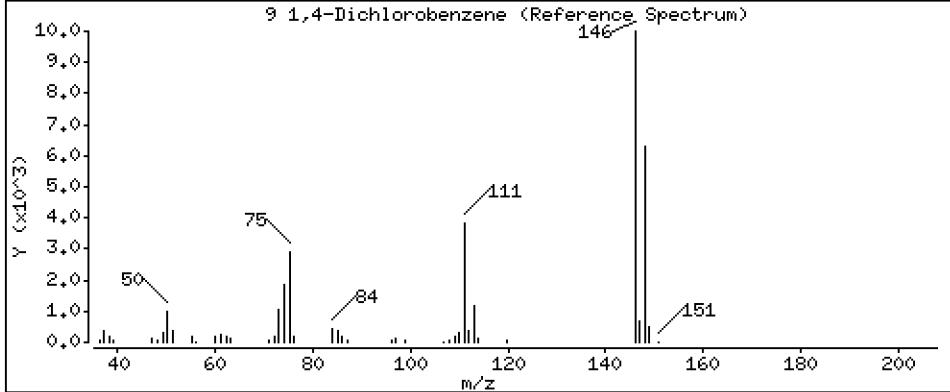
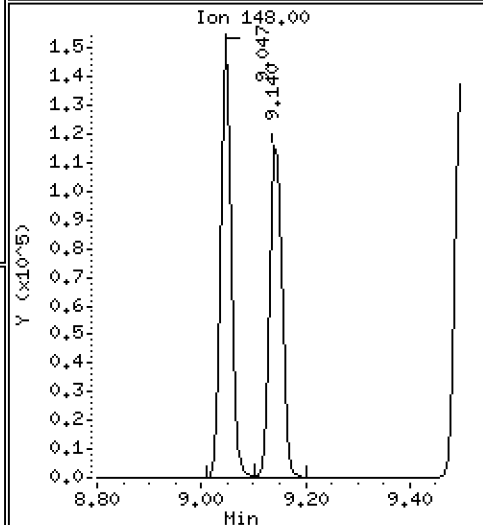
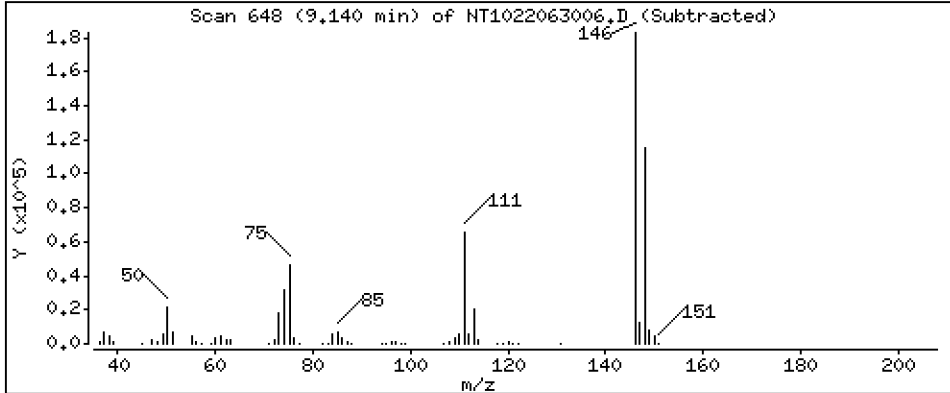
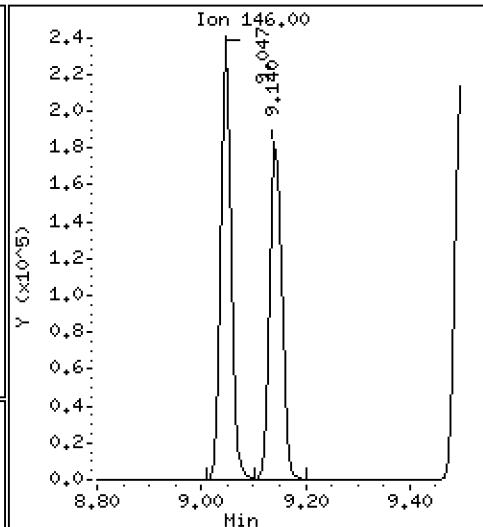
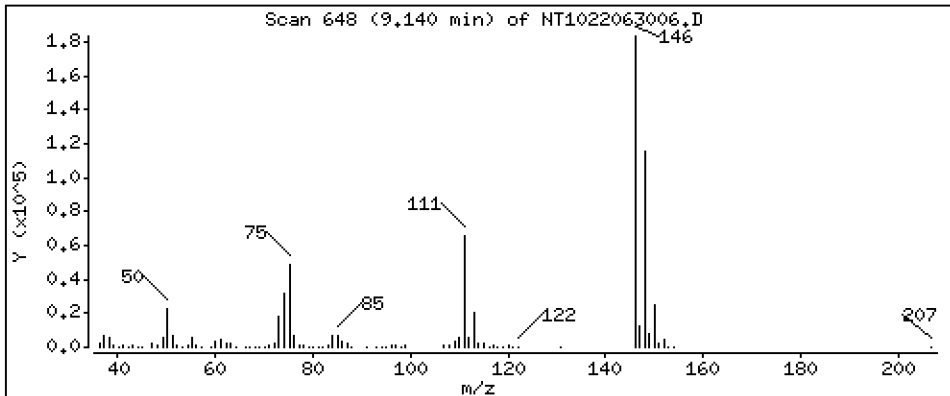
Operator: VTS

Column phase: ZB-5msi

Column diameter: 0,25

9 1,4-Dichlorobenzene

Concentration: 3,754 ug/mL



Date : 30-JUN-2022 16:46

Client ID:

Instrument: nt10.i

Sample Info: BKF0469-BS1

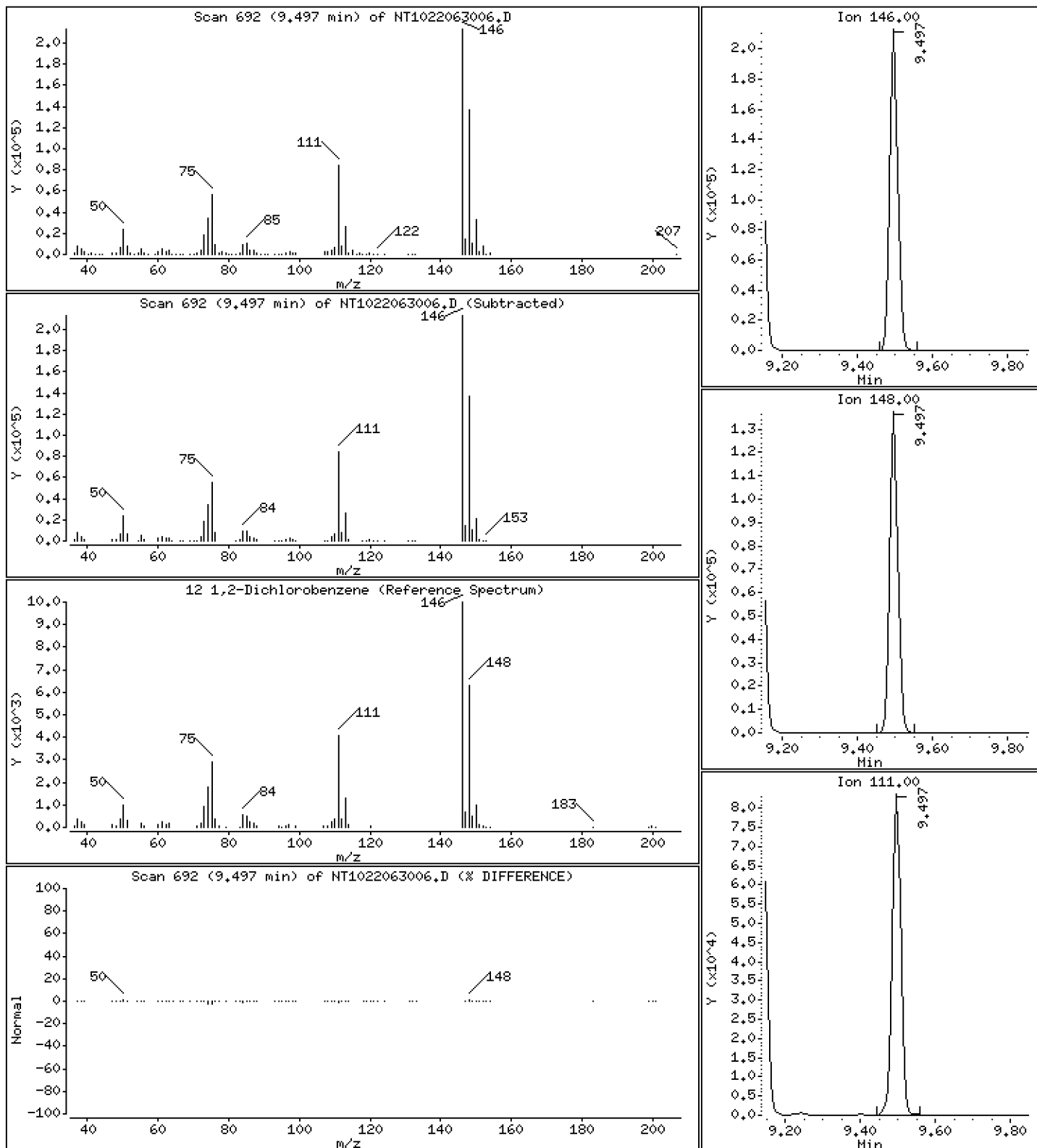
Operator: VTS

Column phase: ZB-5msi

Column diameter: 0,25

12 1,2-Dichlorobenzene

Concentration: 3,809 ug/mL



Date : 30-JUN-2022 16:46

Client ID:

Instrument: nt10.i

Sample Info: BKF0469-BS1

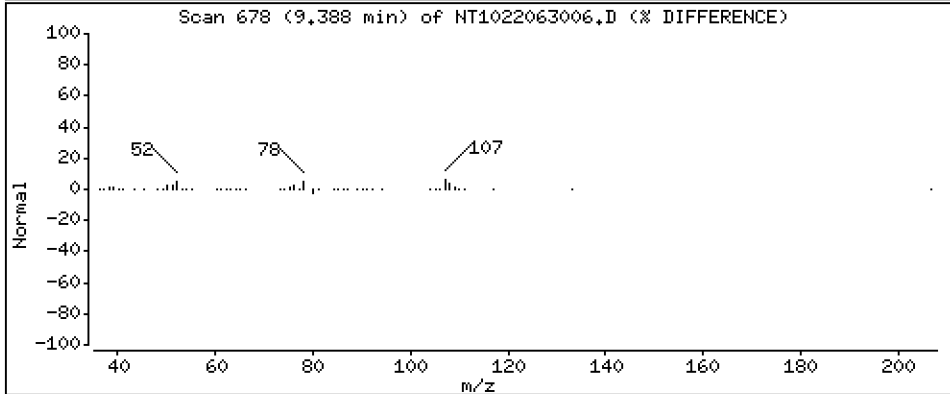
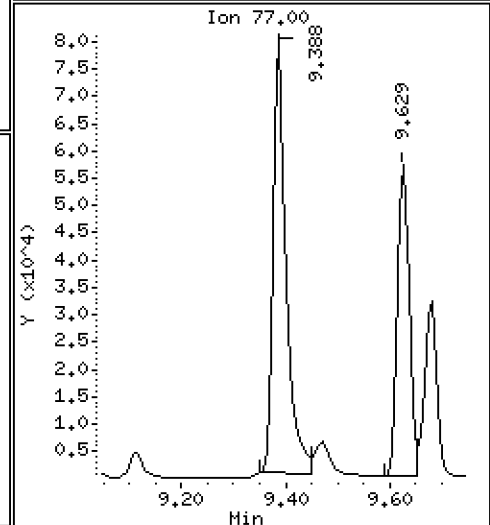
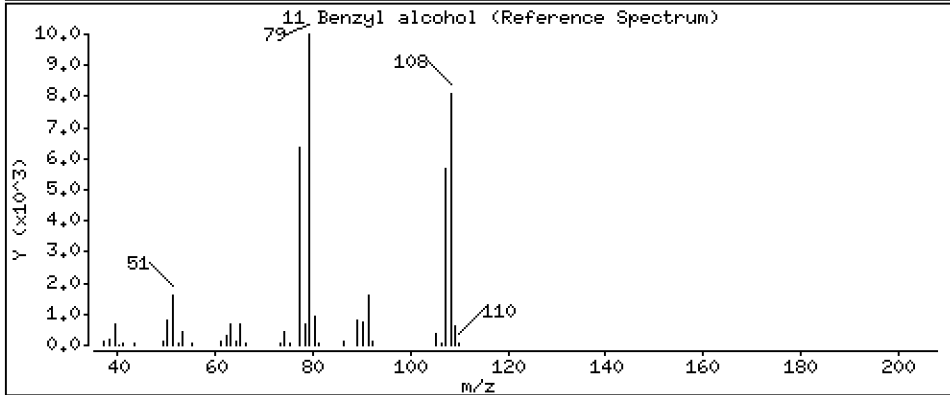
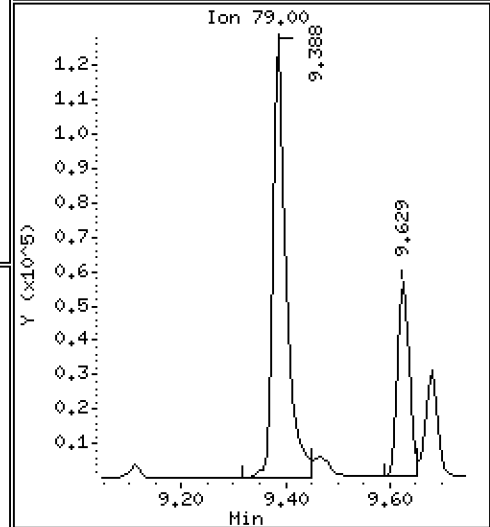
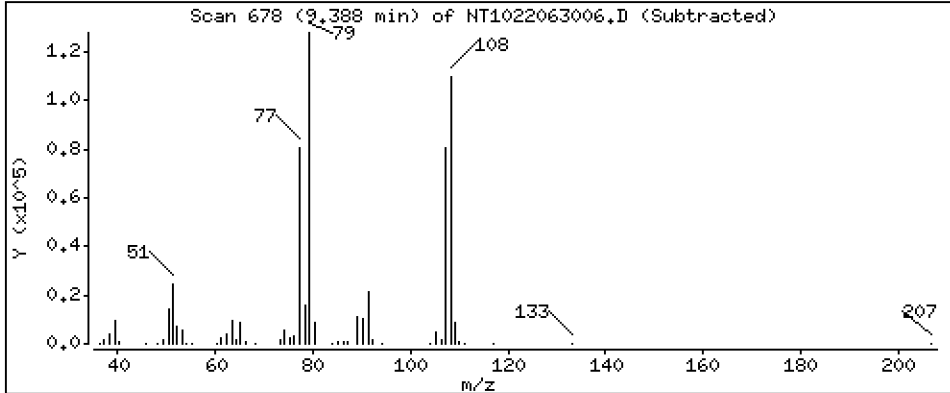
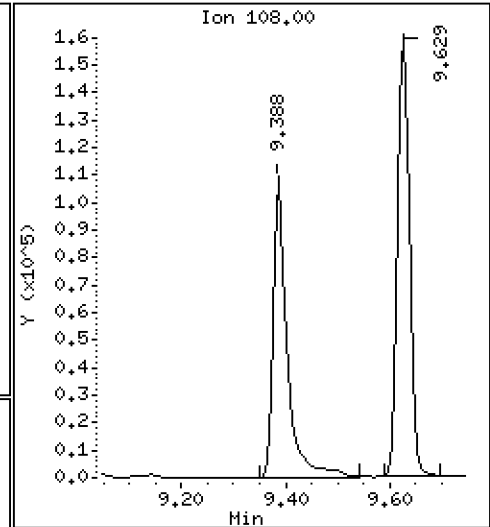
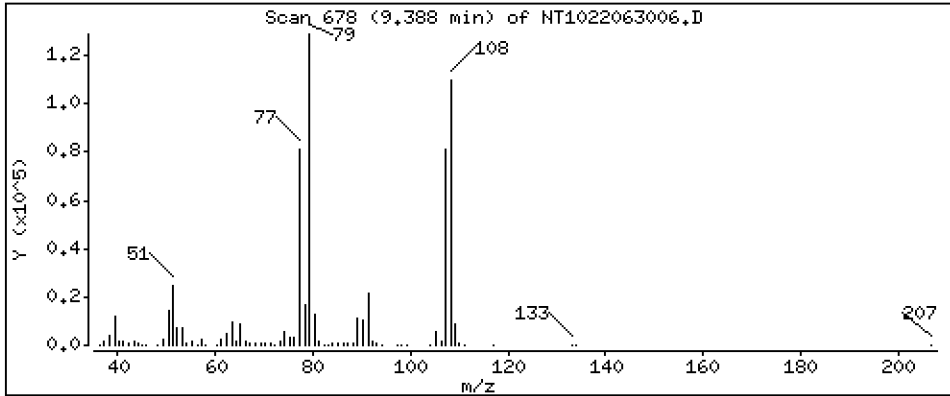
Operator: VTS

Column phase: ZB-5msi

Column diameter: 0.25

11 Benzyl alcohol

Concentration: 4.382 ug/mL



Date : 30-JUN-2022 16:46

Client ID:

Instrument: nt10.i

Sample Info: BKF0469-BS1

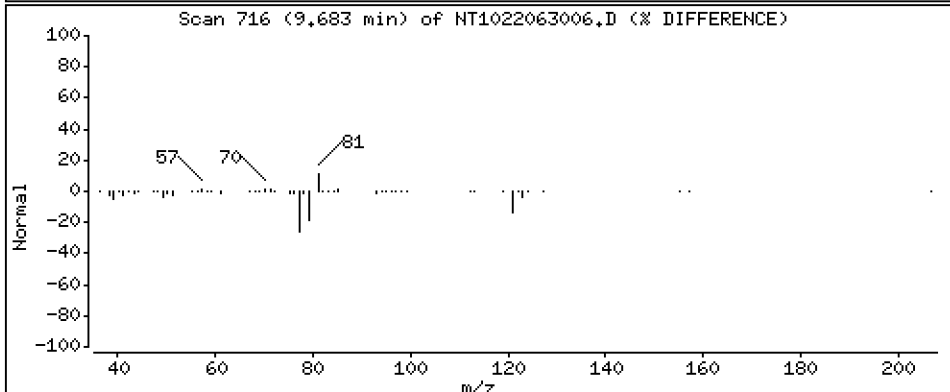
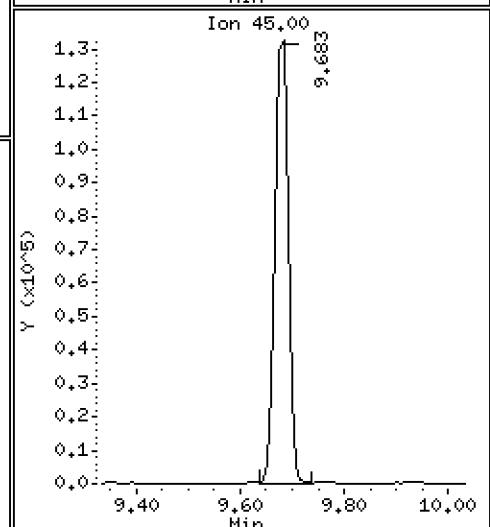
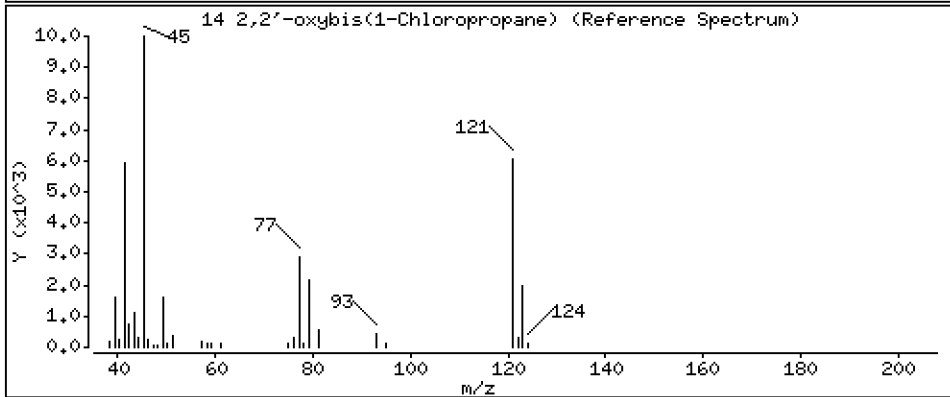
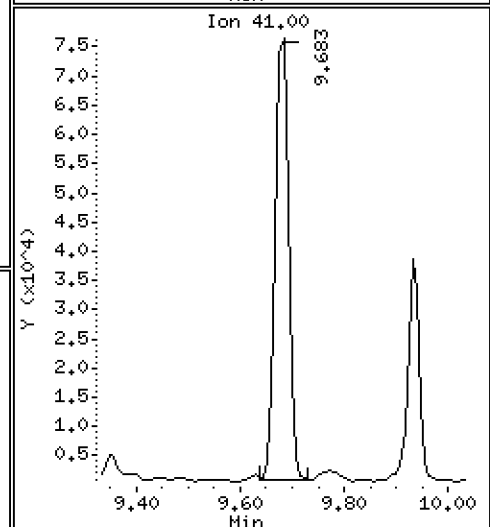
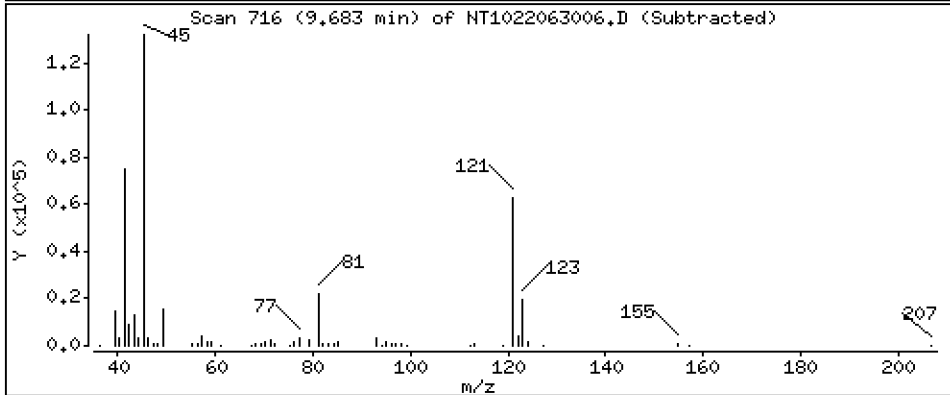
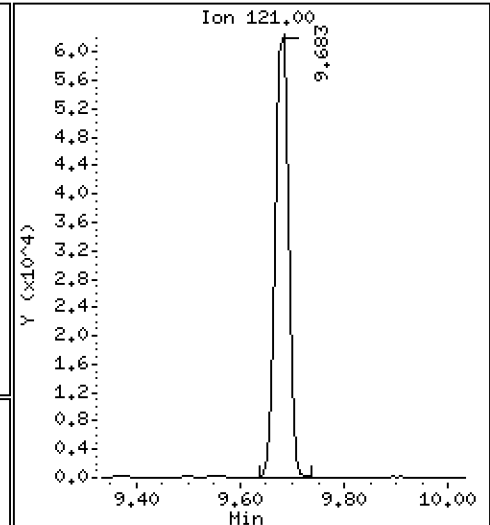
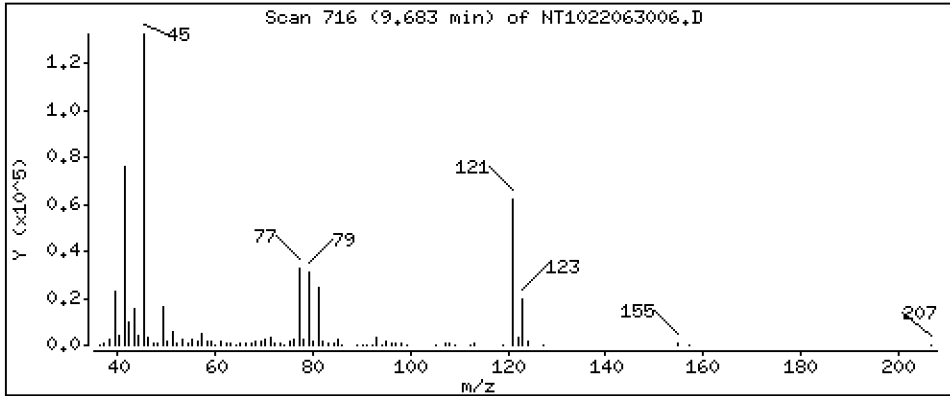
Operator: VTS

Column phase: ZB-5msi

Column diameter: 0.25

14 2,2'-oxybis(1-Chloropropane)

Concentration: 5.457 ug/mL



Date : 30-JUN-2022 16:46

Client ID:

Instrument: nt10.i

Sample Info: BKF0469-BS1

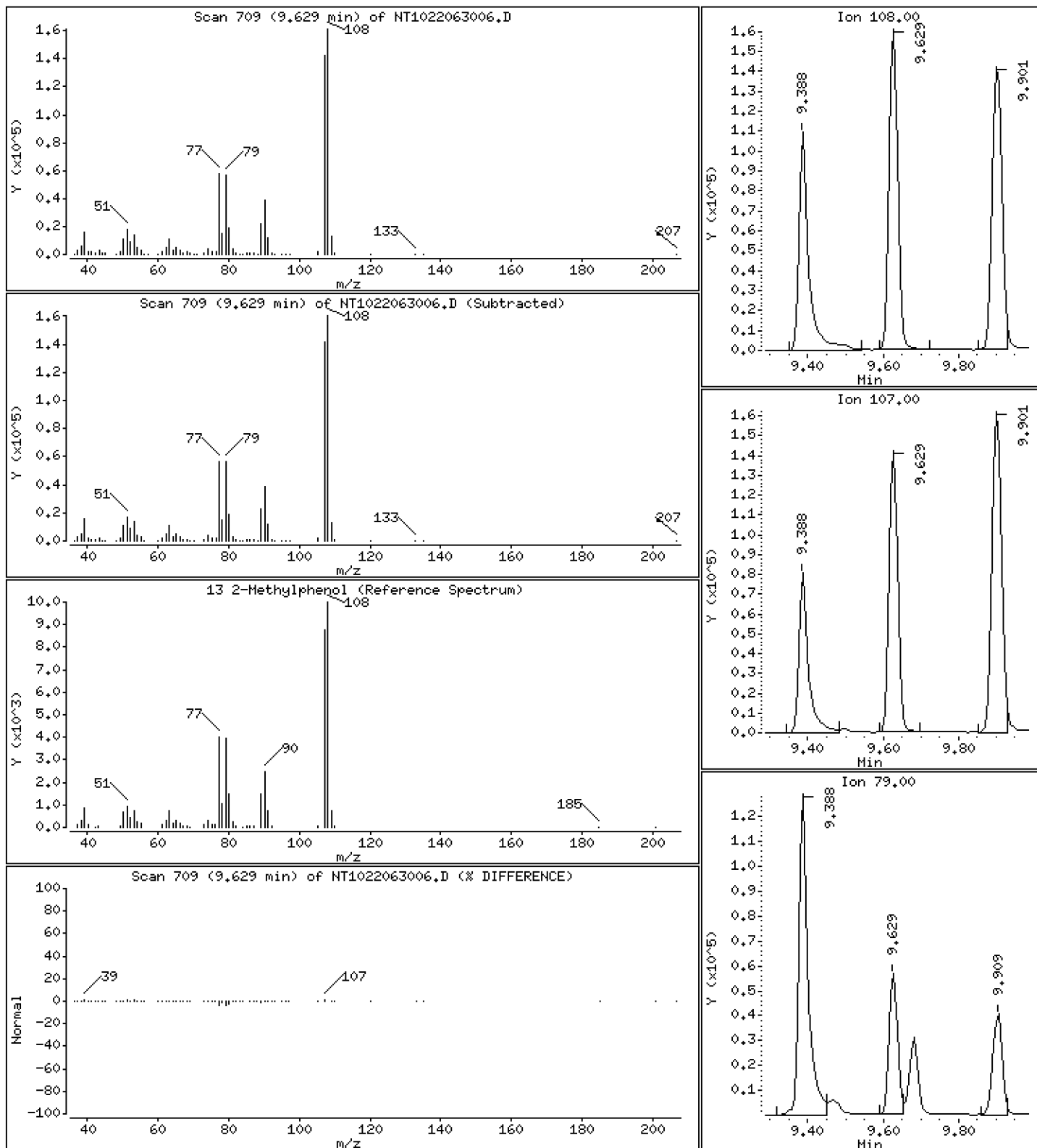
Operator: VTS

Column phase: ZB-5msi

Column diameter: 0.25

13 2-Methylphenol

Concentration: 3.492 ug/mL



Date : 30-JUN-2022 16:46

Client ID:

Instrument: nt10.i

Sample Info: BKF0469-BS1

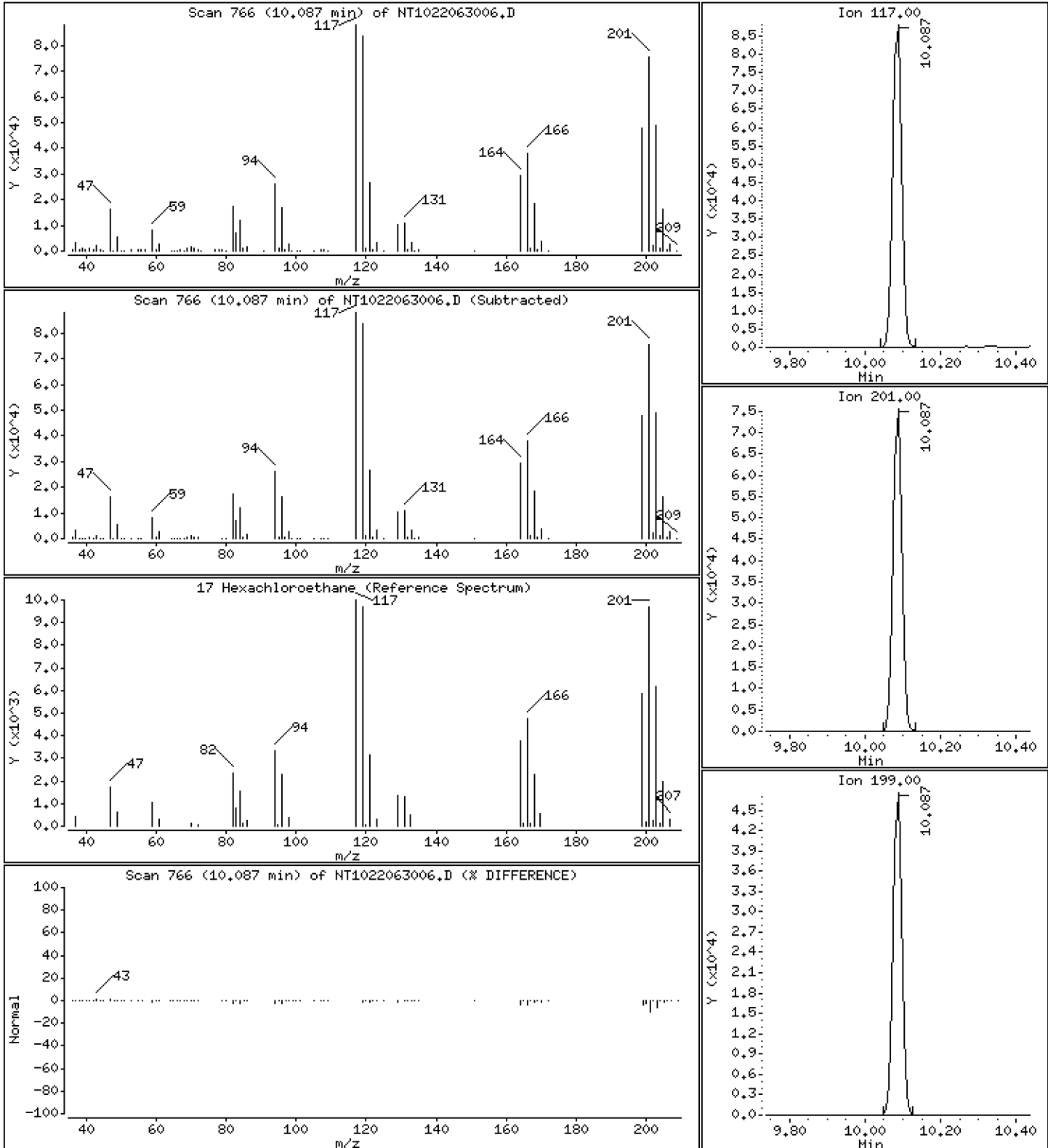
Operator: VTS

Column phase: ZB-5msi

Column diameter: 0,25

17 Hexachloroethane

Concentration: 3,995 ug/mL



Date : 30-JUN-2022 16:46

Client ID:

Instrument: nt10.i

Sample Info: BKF0469-BS1

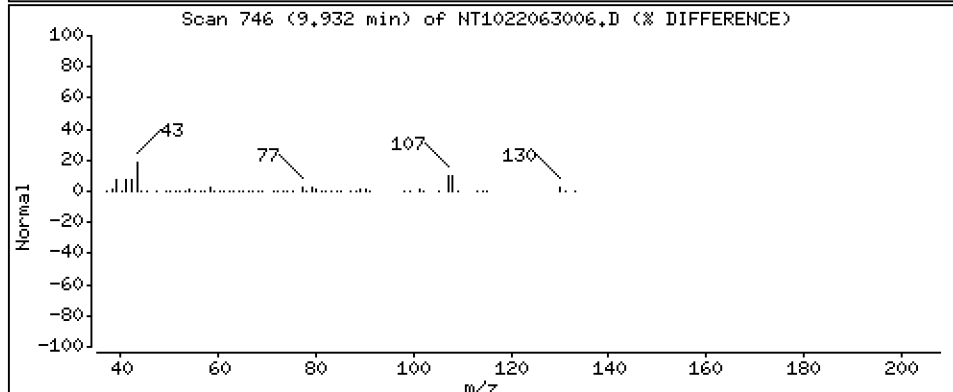
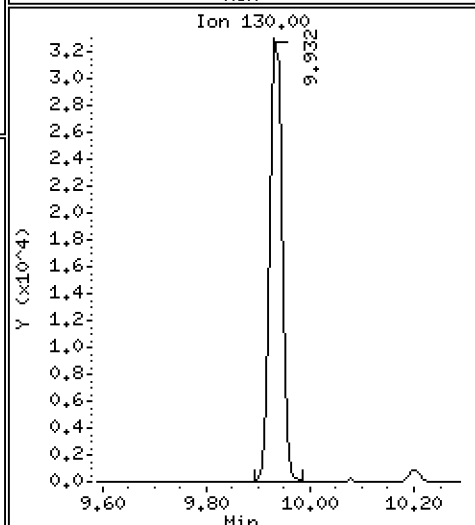
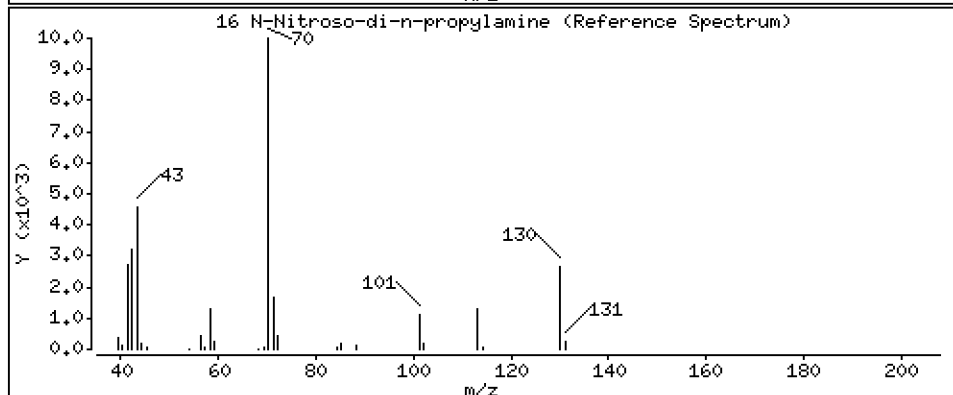
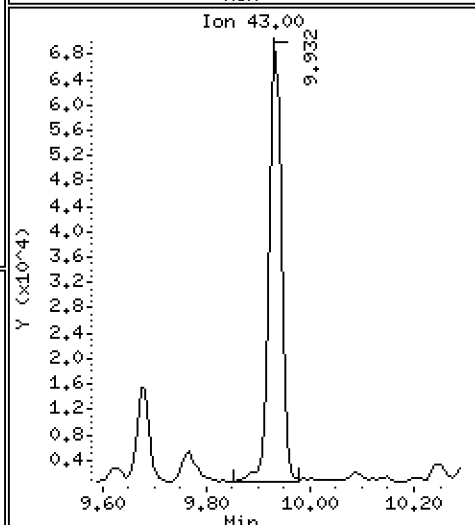
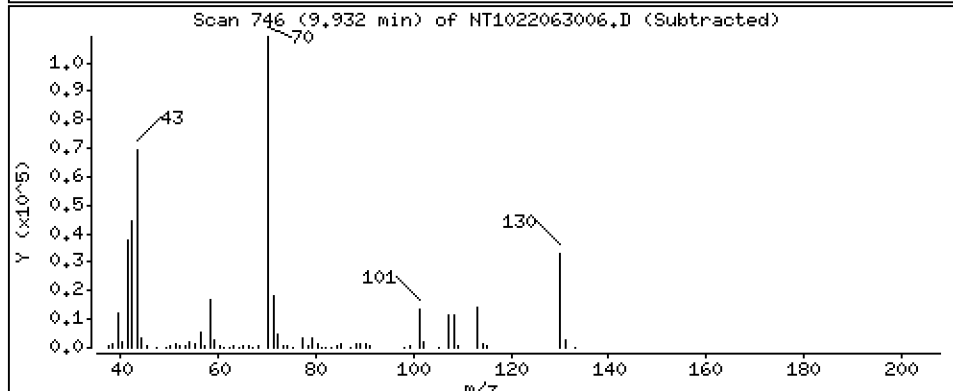
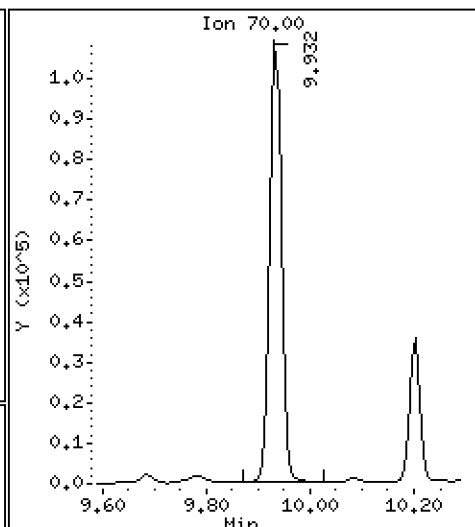
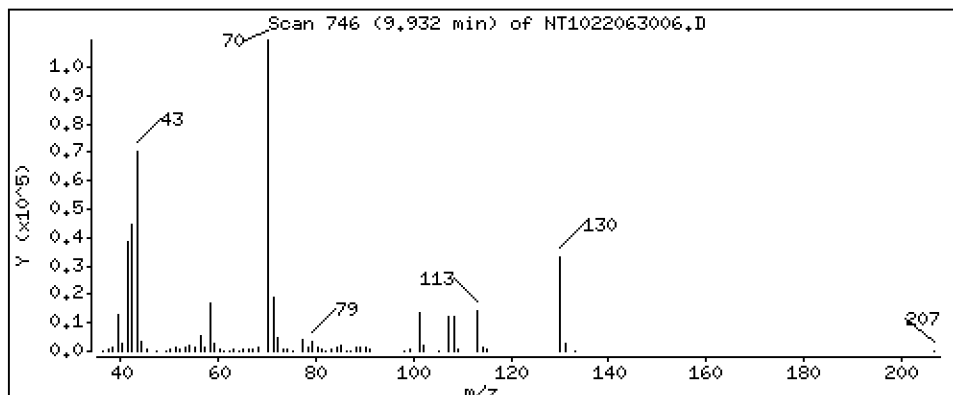
Operator: VTS

Column phase: ZB-5msi

Column diameter: 0,25

16 N-Nitroso-di-n-propylamine

Concentration: 3,361 ug/mL



Date : 30-JUN-2022 16:46

Client ID:

Instrument: nt10.i

Sample Info: BKF0469-BS1

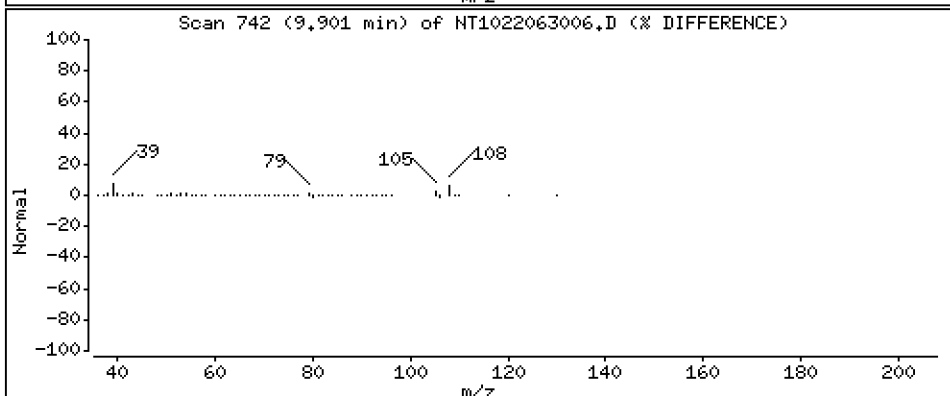
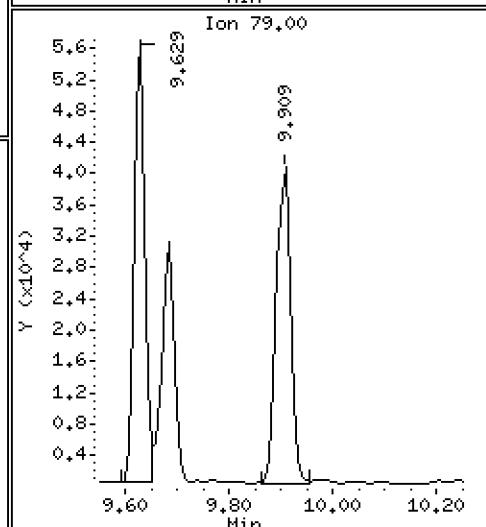
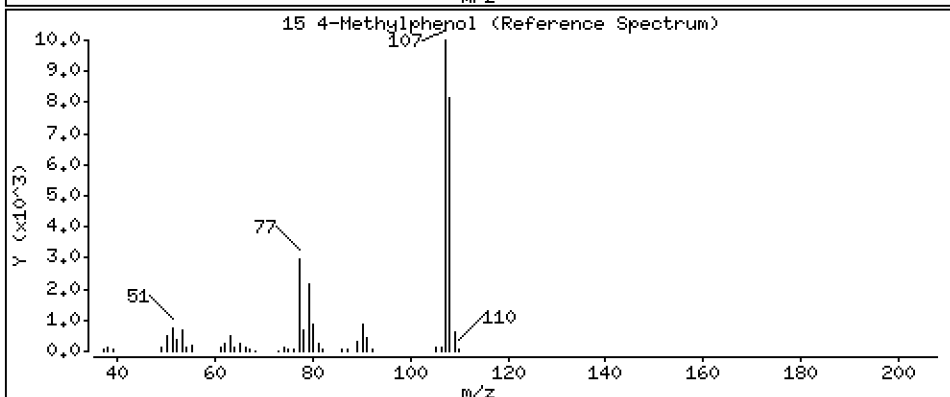
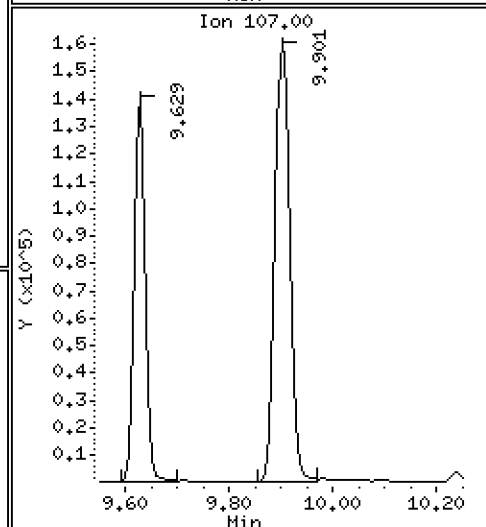
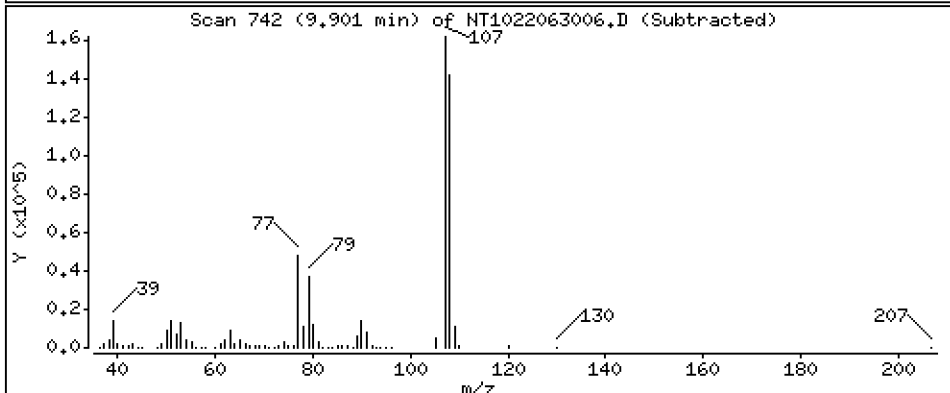
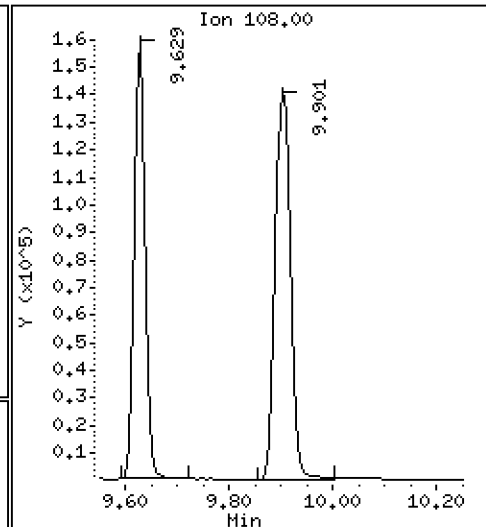
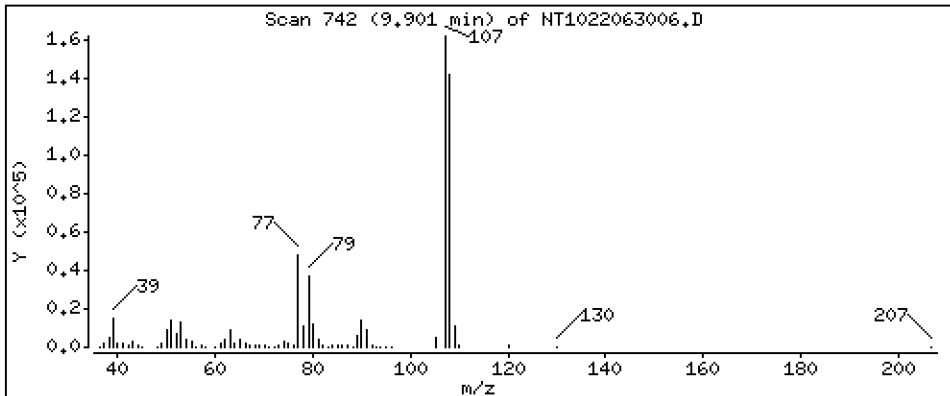
Operator: VTS

Column phase: ZB-5msi

Column diameter: 0,25

15 4-Methylphenol

Concentration: 3,754 ug/mL



Date : 30-JUN-2022 16:46

Client ID:

Instrument: nt10.i

Sample Info: BKF0469-BS1

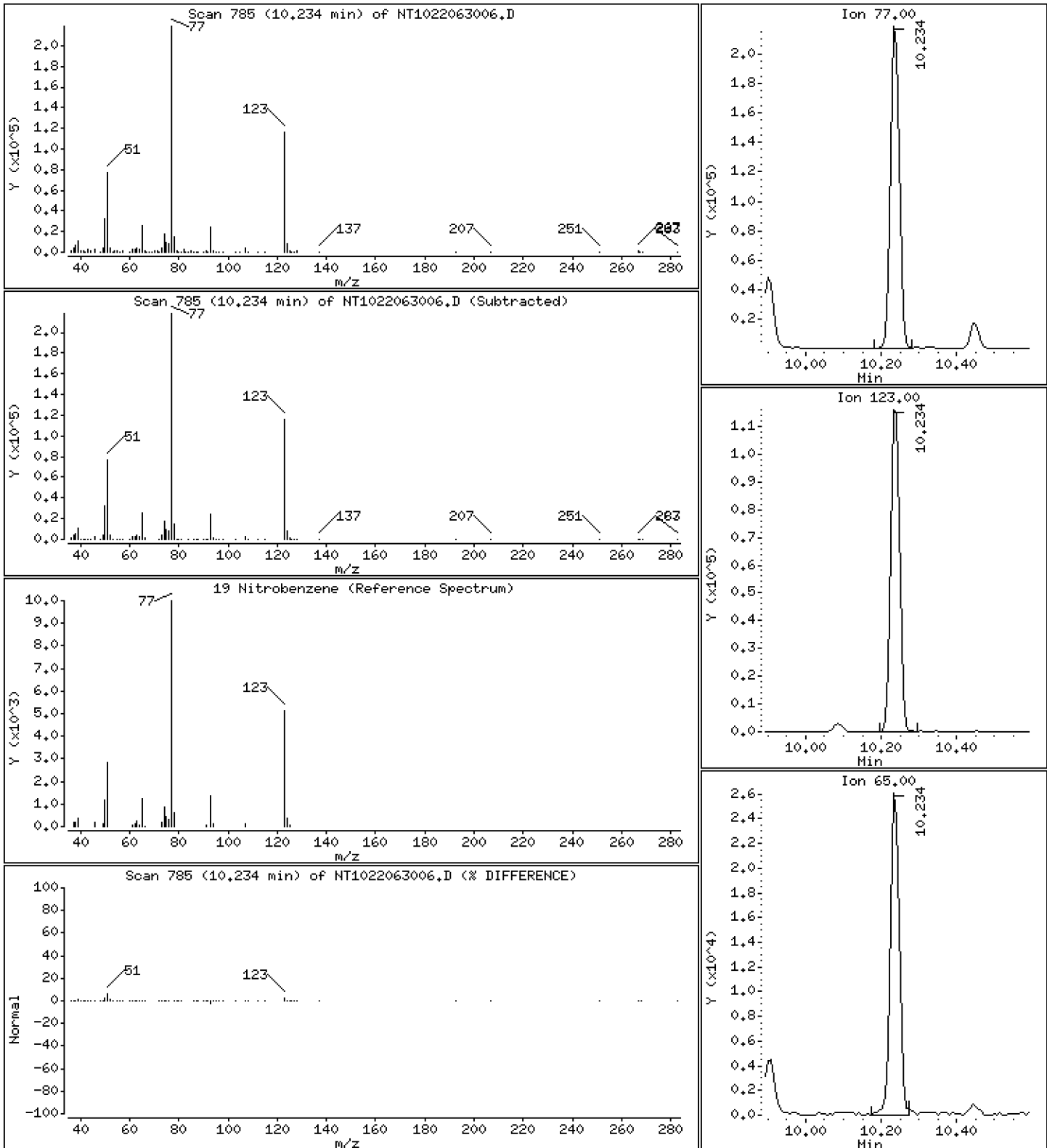
Operator: VTS

Column phase: ZB-5msi

Column diameter: 0,25

19 Nitrobenzene

Concentration: 3,992 ug/mL



Date : 30-JUN-2022 16:46

Client ID:

Instrument: nt10.i

Sample Info: BKF0469-BS1

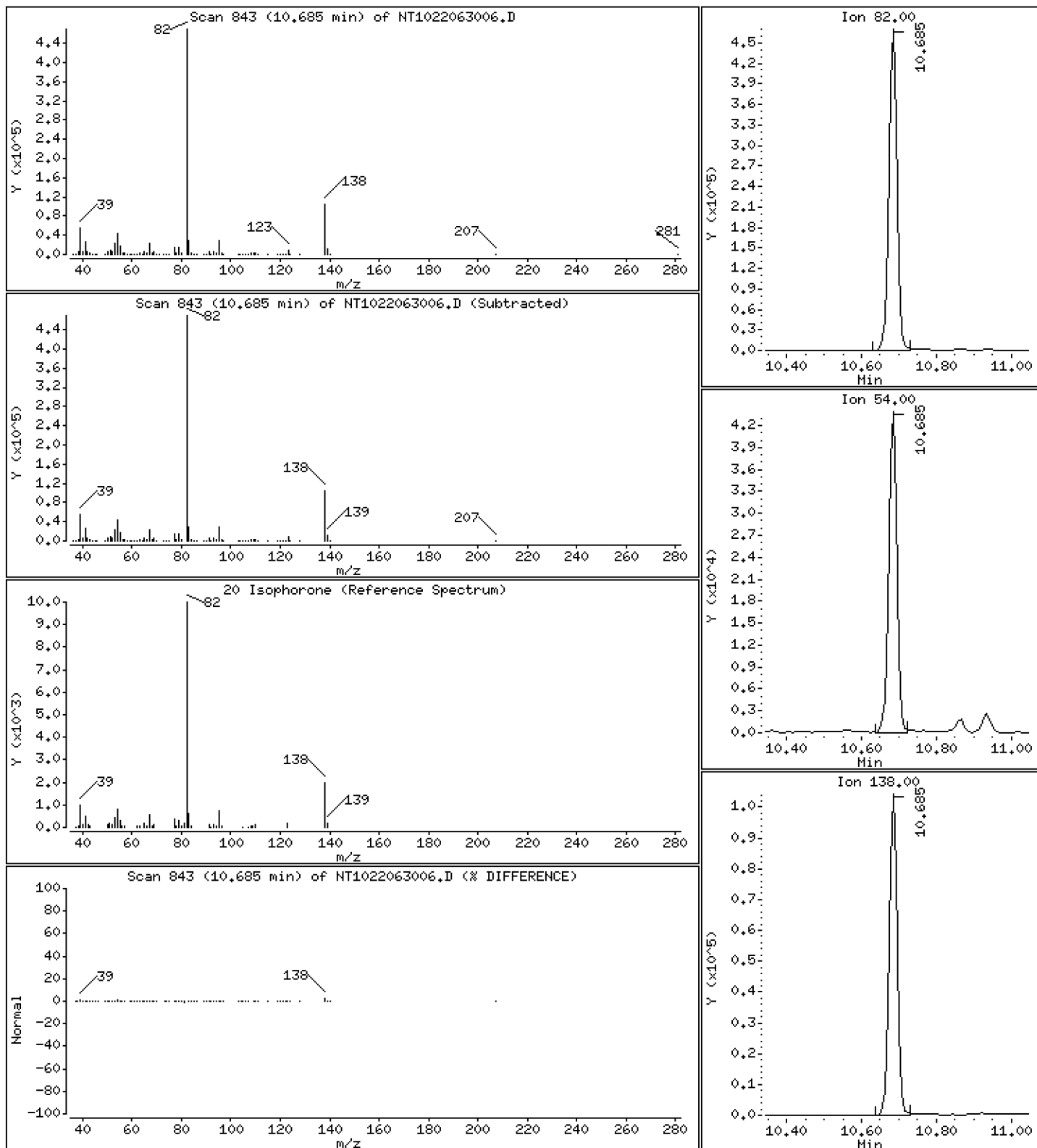
Operator: VTS

Column phase: ZB-5msi

Column diameter: 0,25

20 Isophorone

Concentration: 5,898 ug/mL



Date : 30-JUN-2022 16:46

Client ID:

Instrument: nt10.i

Sample Info: BKF0469-BS1

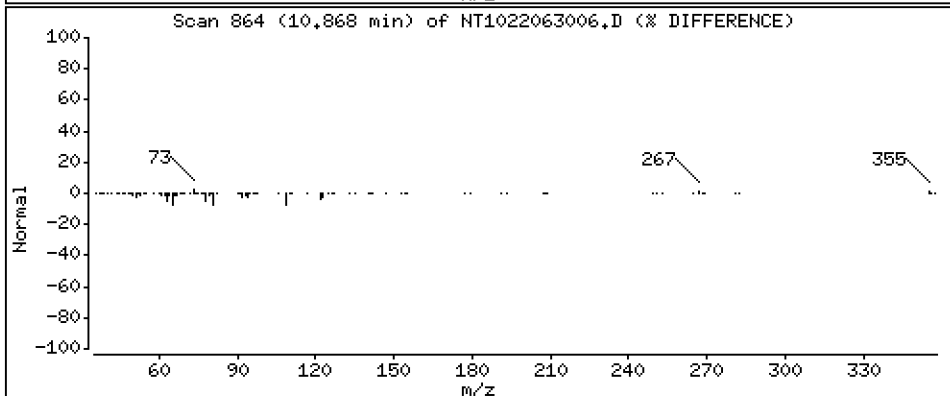
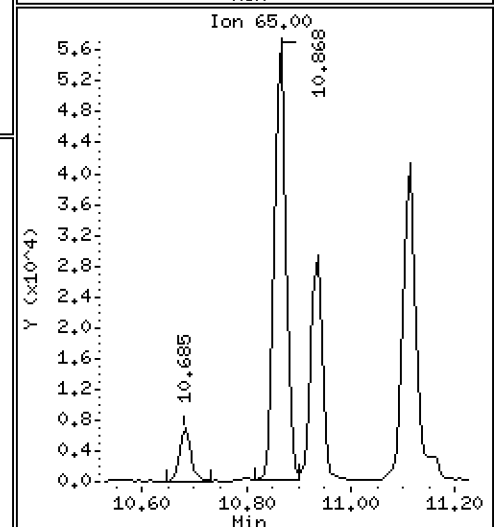
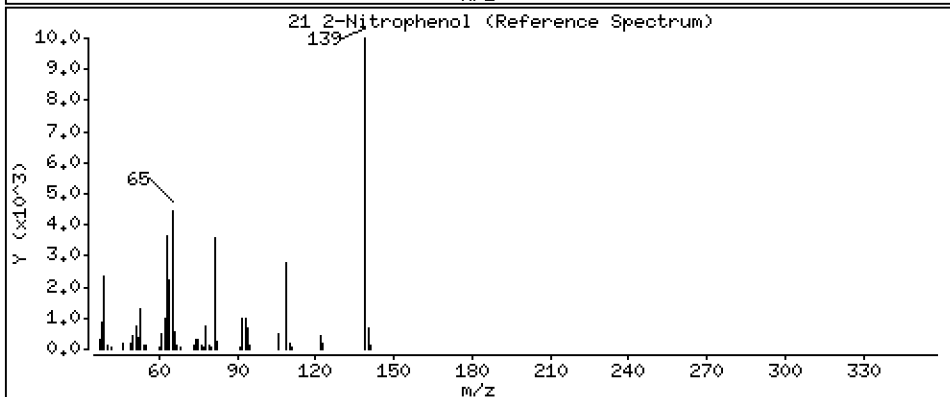
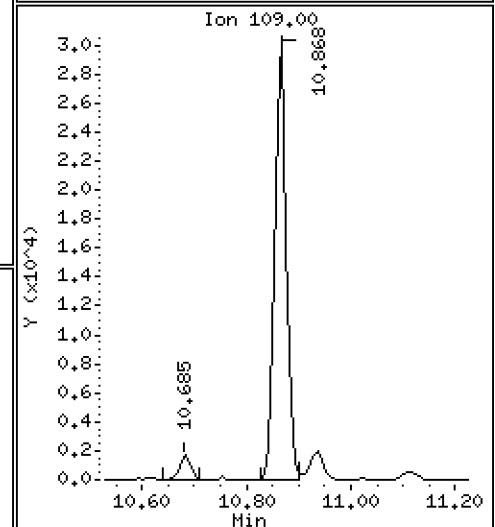
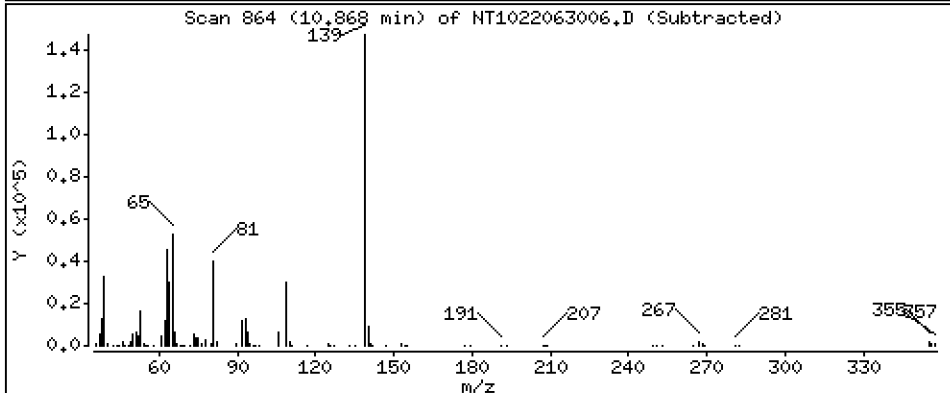
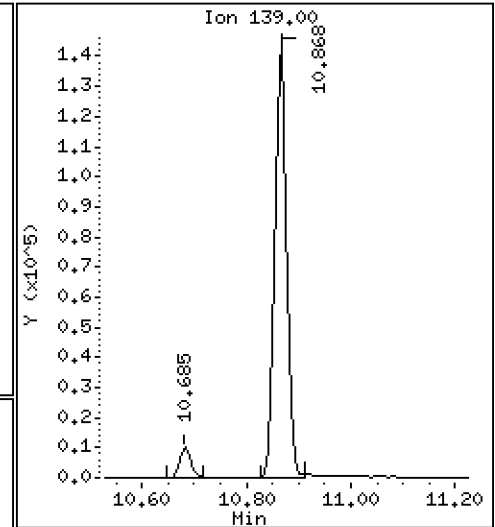
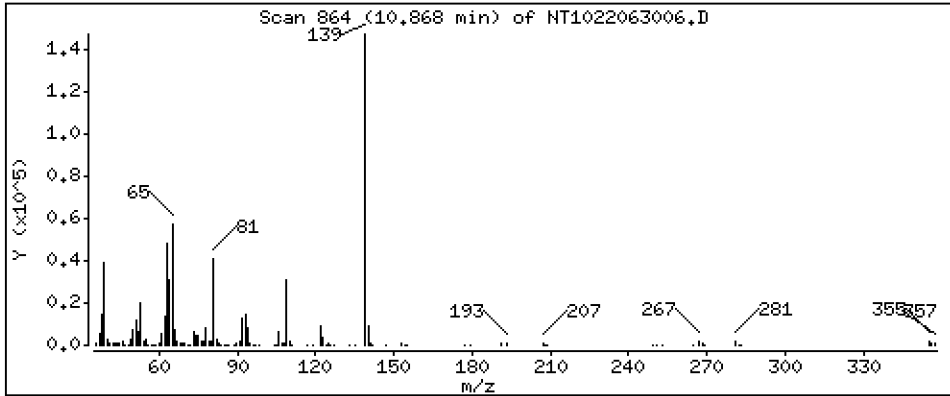
Operator: VTS

Column phase: ZB-5msi

Column diameter: 0,25

21 2-Nitrophenol

Concentration: 4,133 ug/mL



Date : 30-JUN-2022 16:46

Client ID:

Instrument: nt10.i

Sample Info: BKF0469-BS1

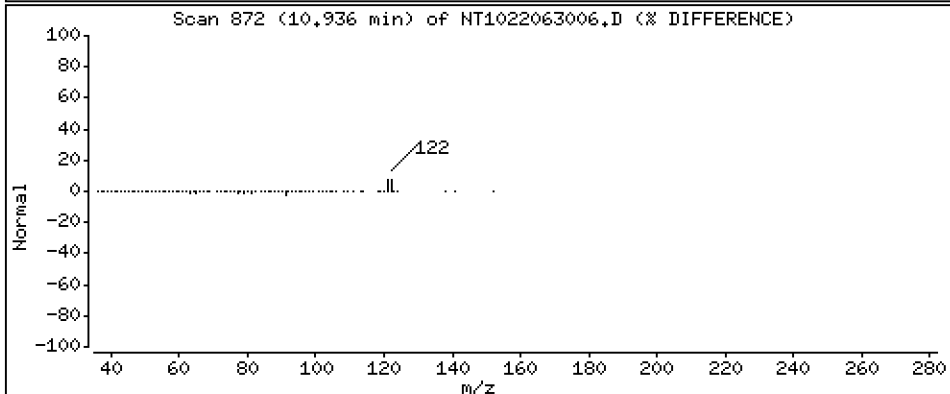
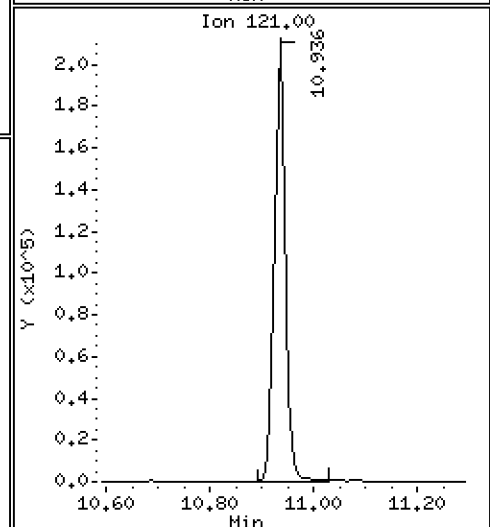
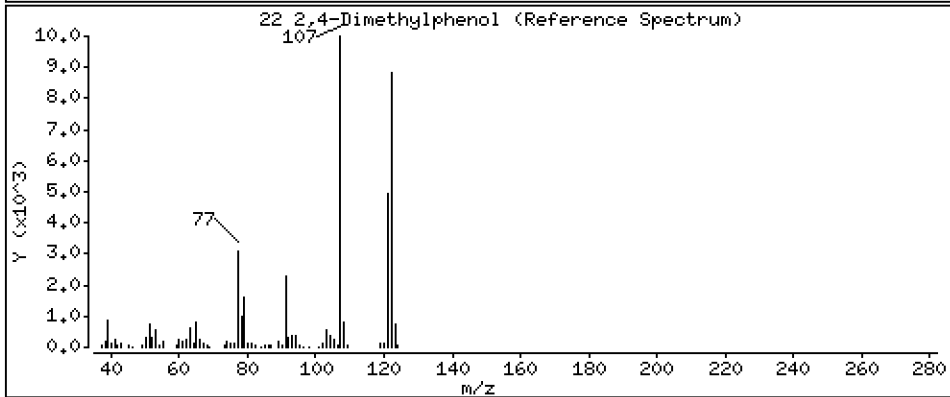
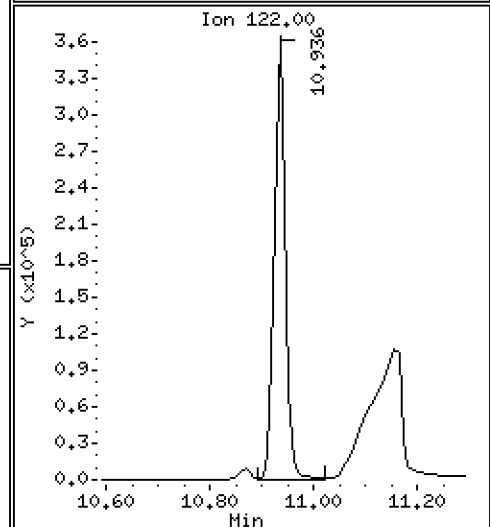
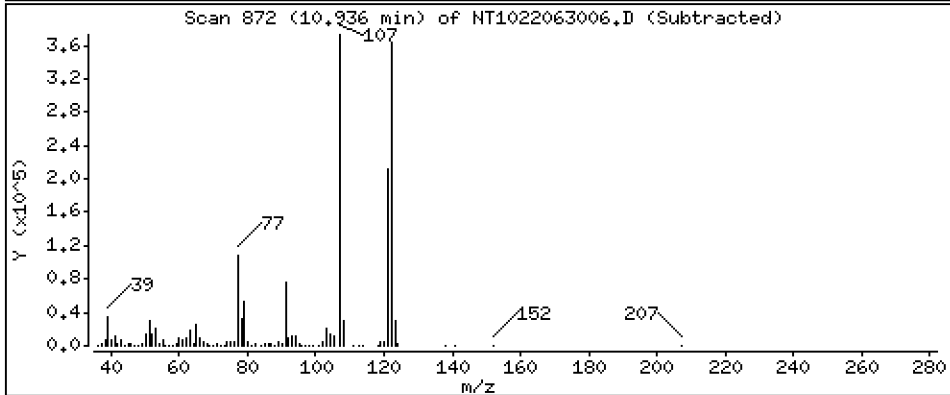
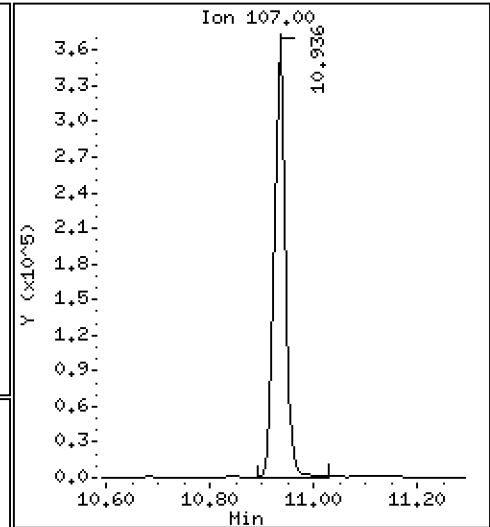
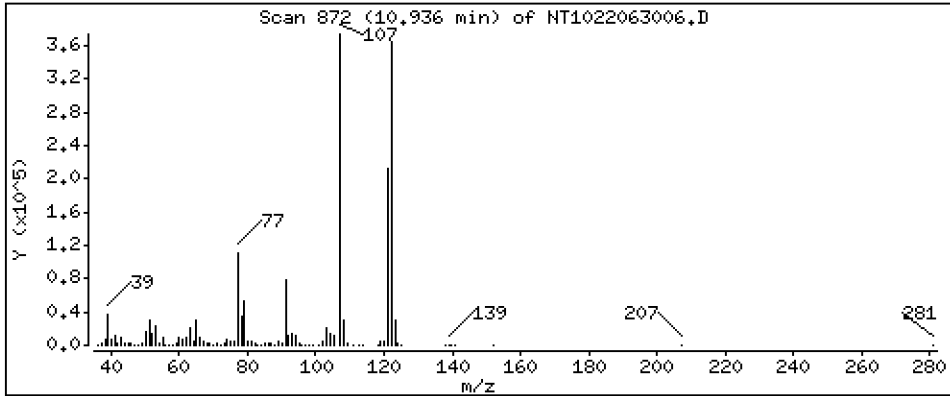
Operator: VTS

Column phase: ZB-5msi

Column diameter: 0,25

22 2,4-Dimethylphenol

Concentration: 8,635 ug/mL



Date : 30-JUN-2022 16:46

Client ID:

Instrument: nt10.i

Sample Info: BKF0469-BS1

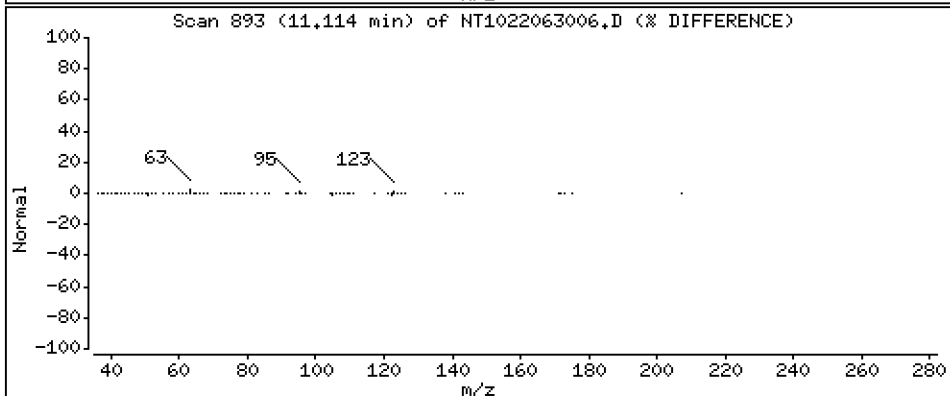
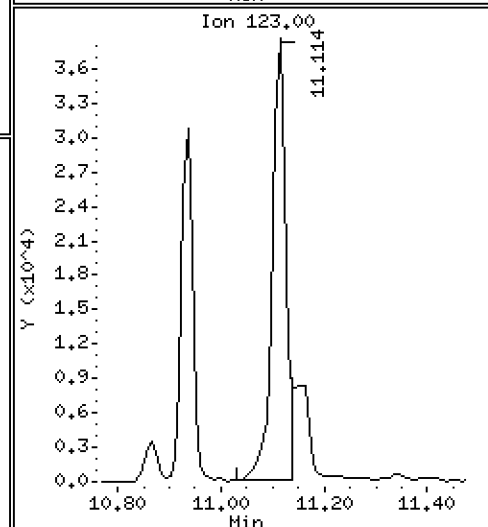
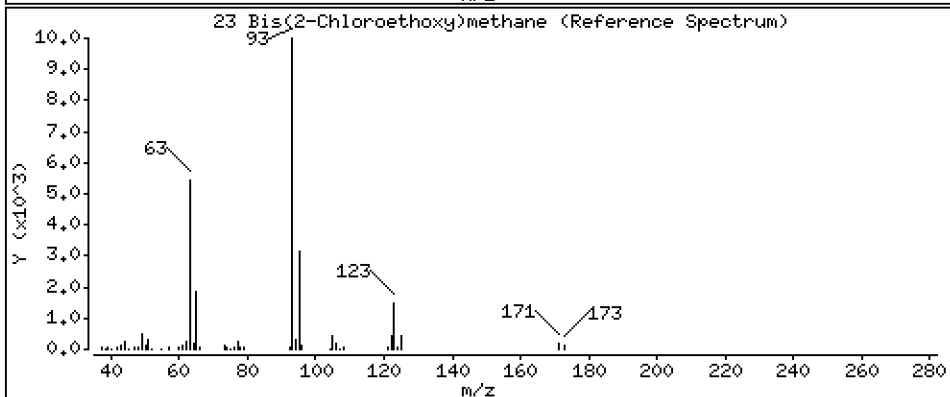
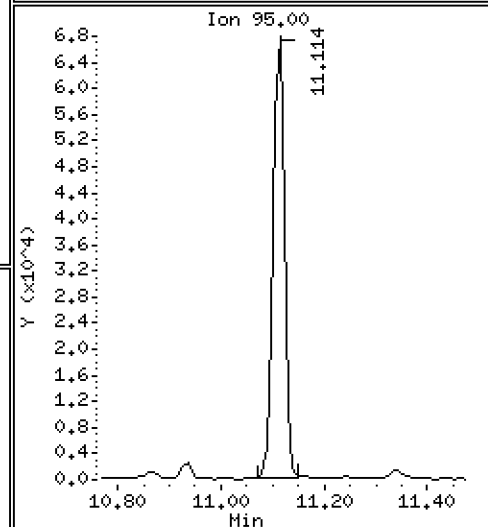
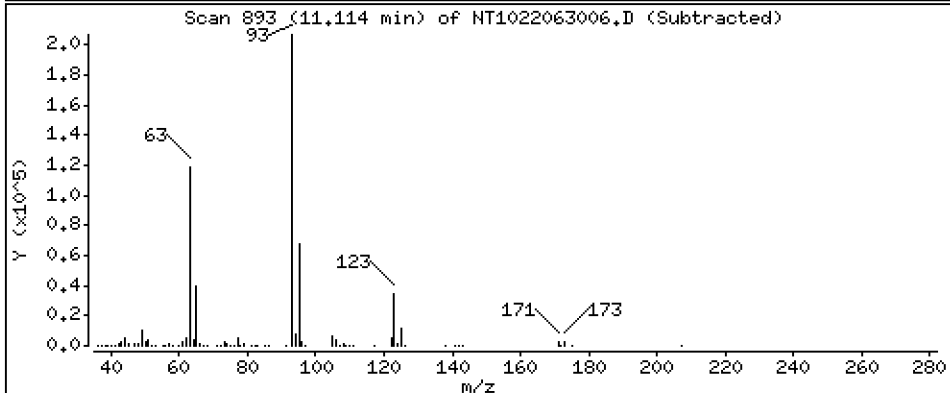
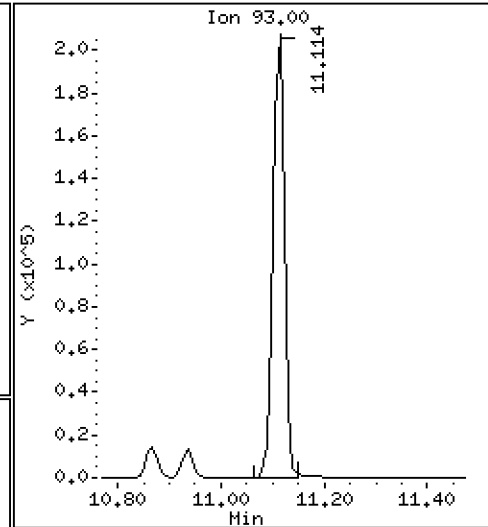
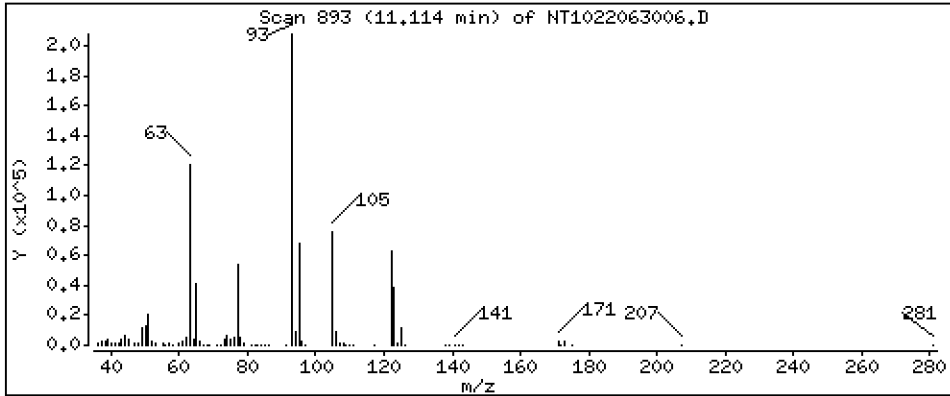
Operator: VTS

Column phase: ZB-5msi

Column diameter: 0,25

23 Bis(2-Chloroethoxy)methane

Concentration: 4,268 ug/mL



Date : 30-JUN-2022 16:46

Client ID:

Instrument: nt10.i

Sample Info: BKF0469-BS1

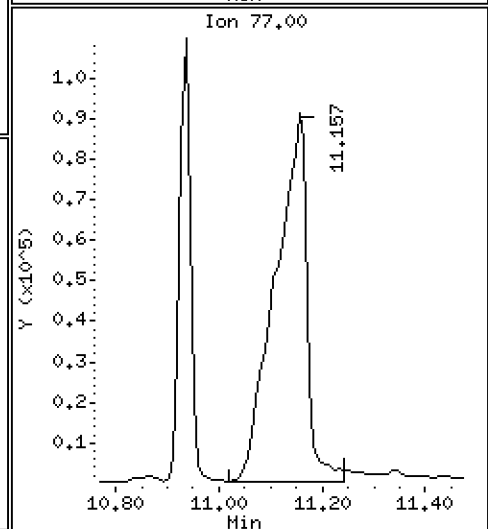
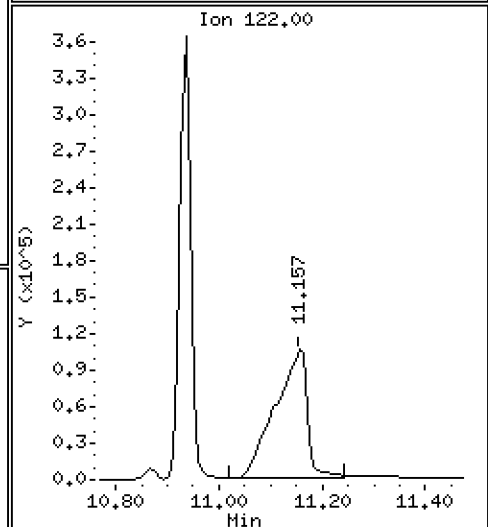
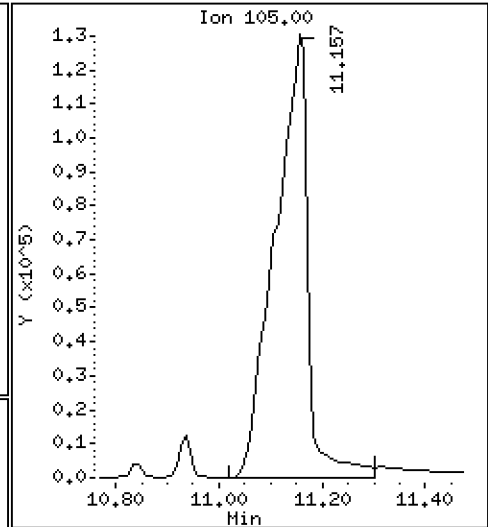
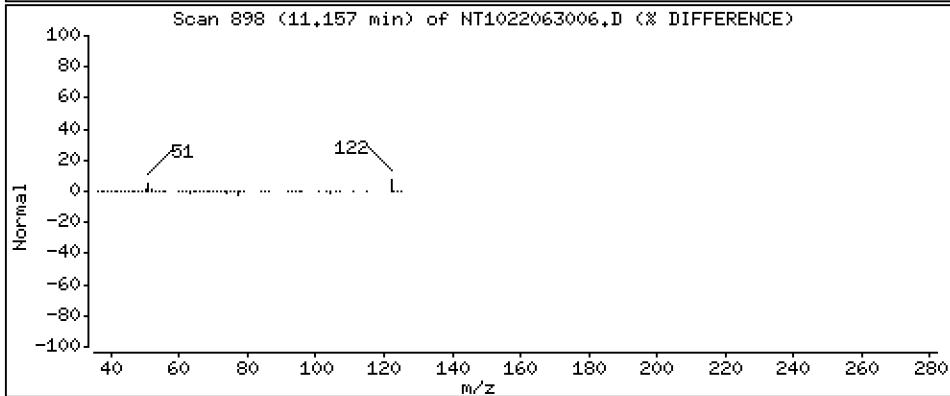
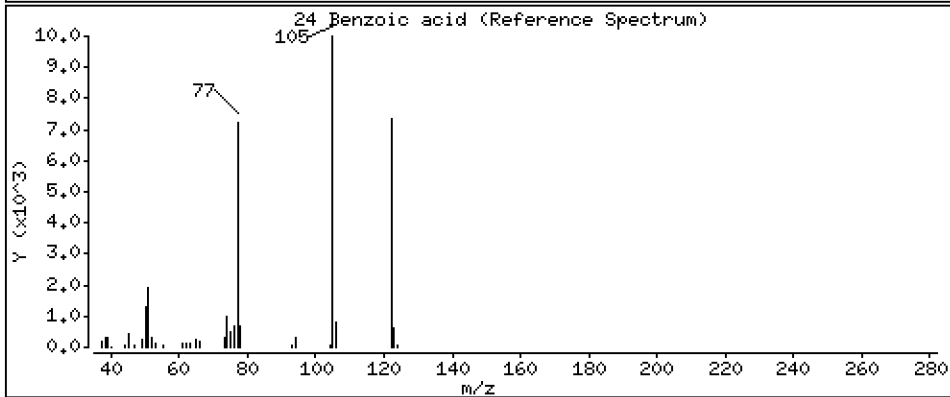
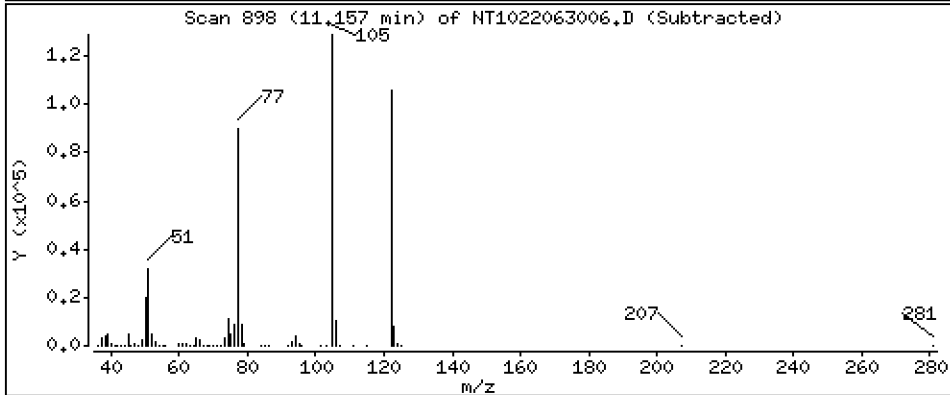
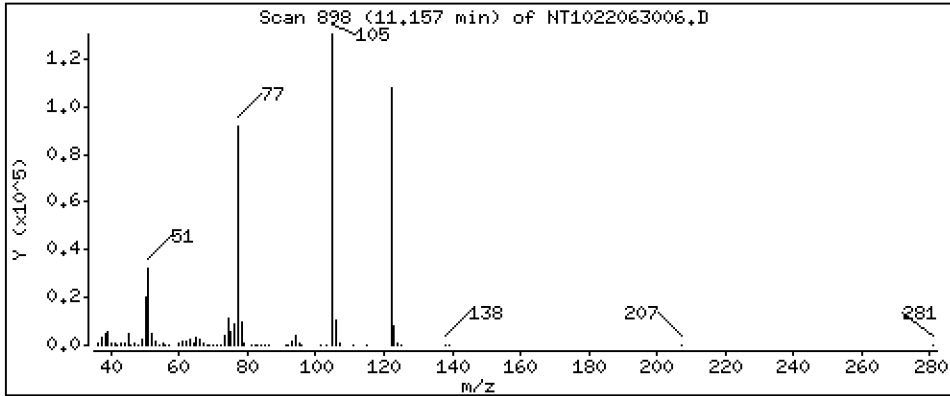
Operator: VTS

Column phase: ZB-5msi

Column diameter: 0,25

24 Benzoic acid

Concentration: 16,51 ug/mL



Date : 30-JUN-2022 16:46

Client ID:

Instrument: nt10.i

Sample Info: BKF0469-BS1

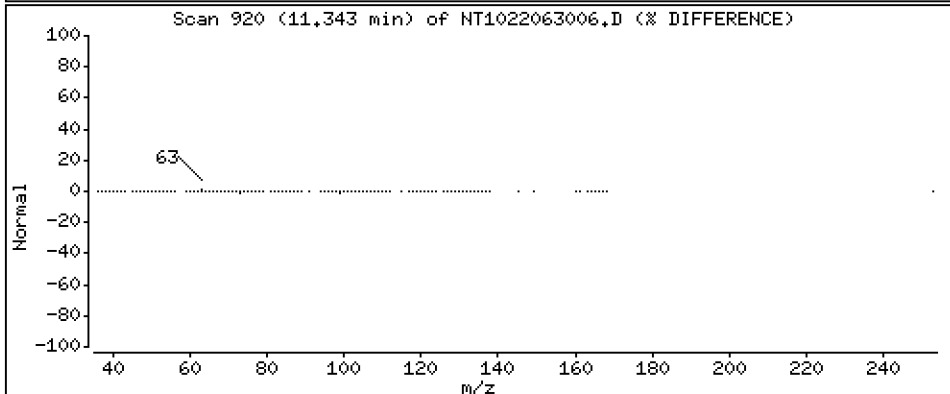
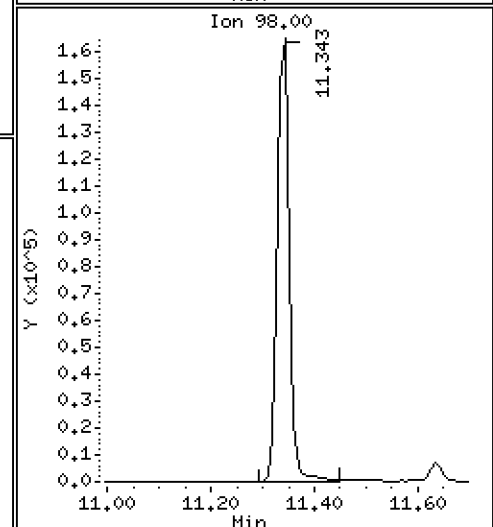
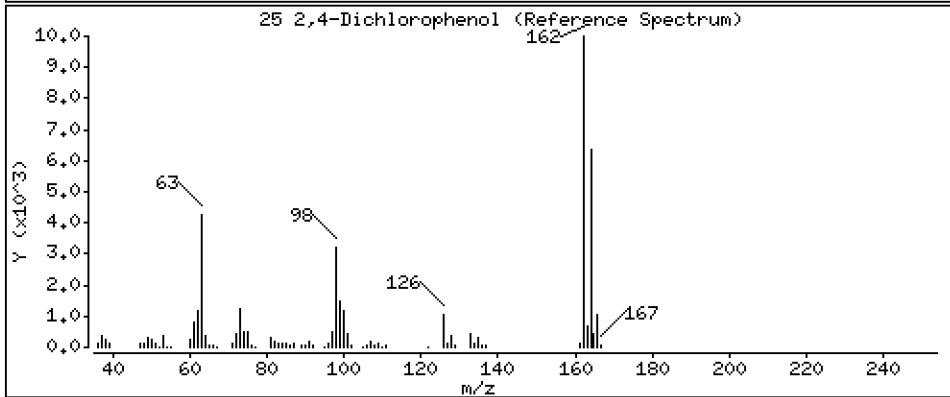
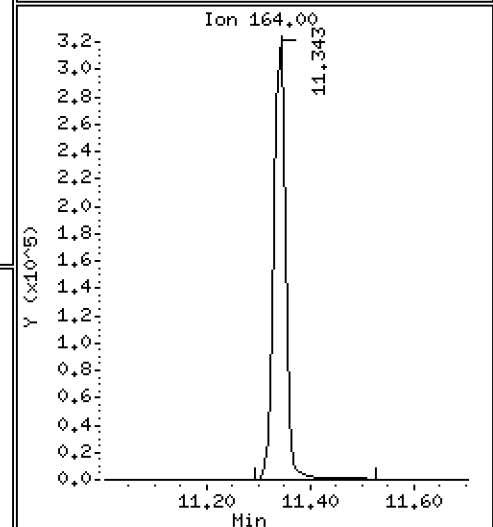
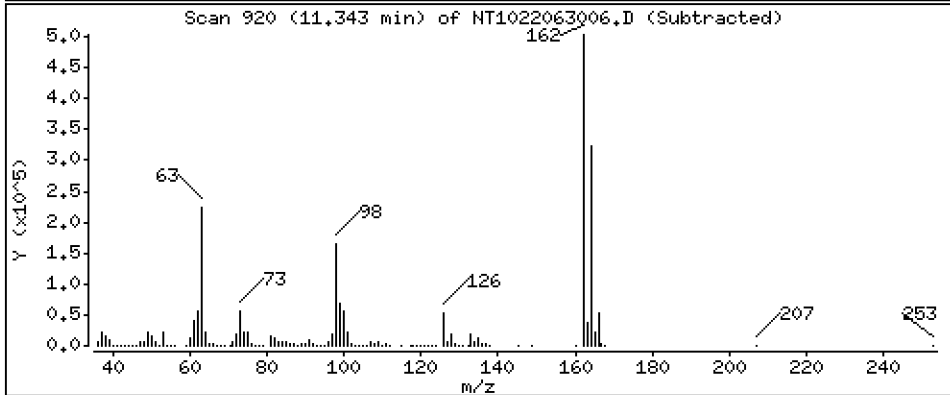
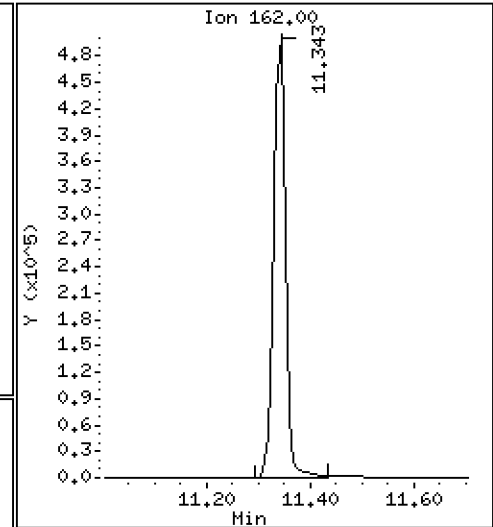
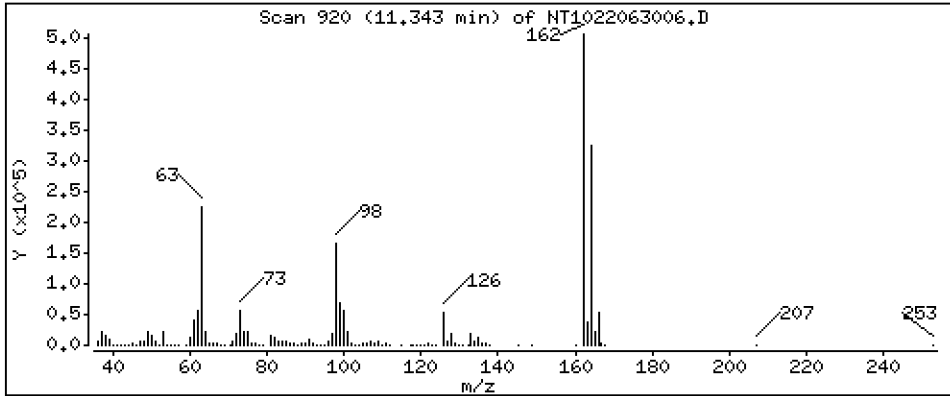
Operator: VTS

Column phase: ZB-5msi

Column diameter: 0,25

25 2,4-Dichlorophenol

Concentration: 13,30 ug/mL



Date : 30-JUN-2022 16:46

Client ID:

Instrument: nt10.i

Sample Info: BKF0469-BS1

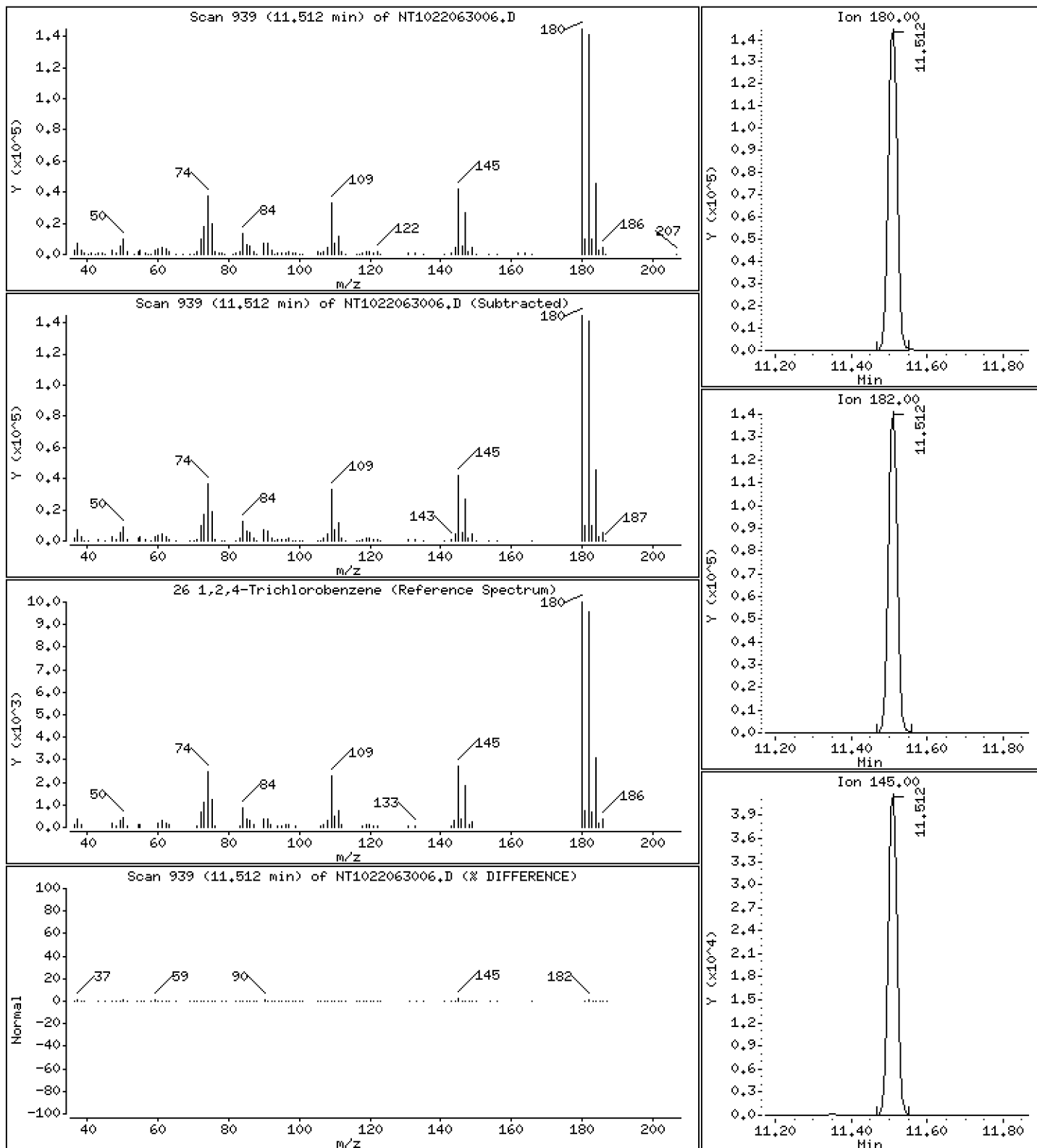
Operator: VTS

Column phase: ZB-5msi

Column diameter: 0,25

26 1,2,4-Trichlorobenzene

Concentration: 3,529 ug/mL



Date : 30-JUN-2022 16:46

Client ID:

Instrument: nt10.i

Sample Info: BKF0469-BS1

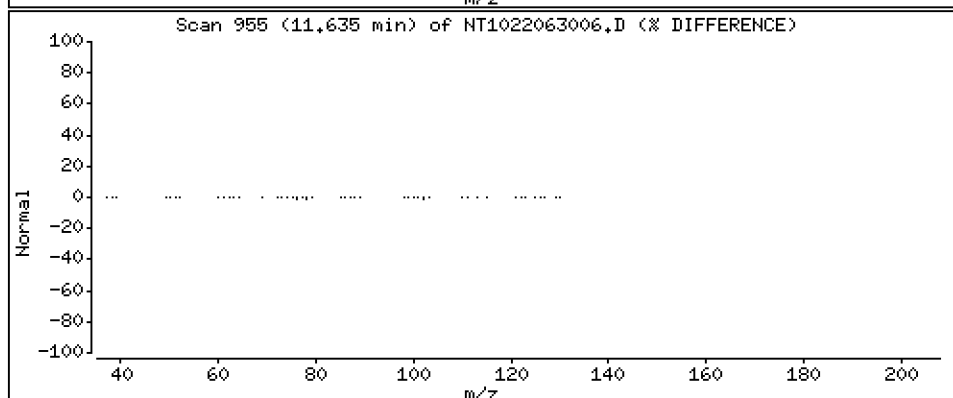
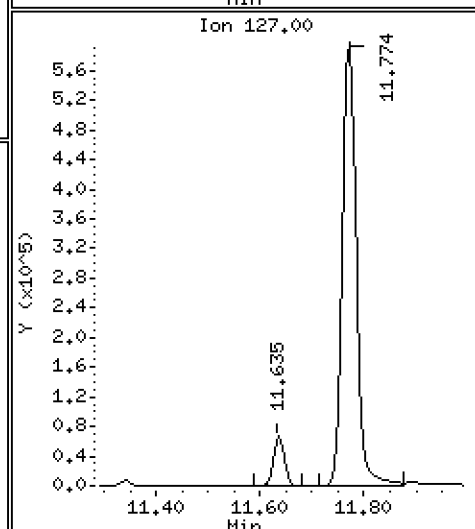
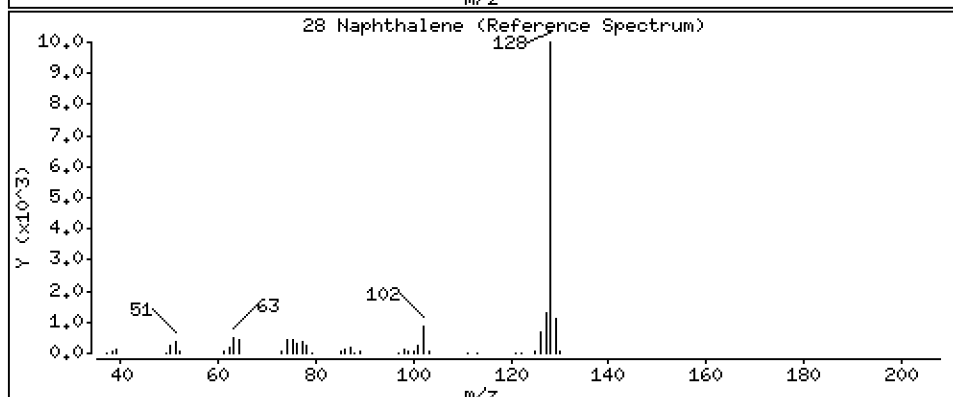
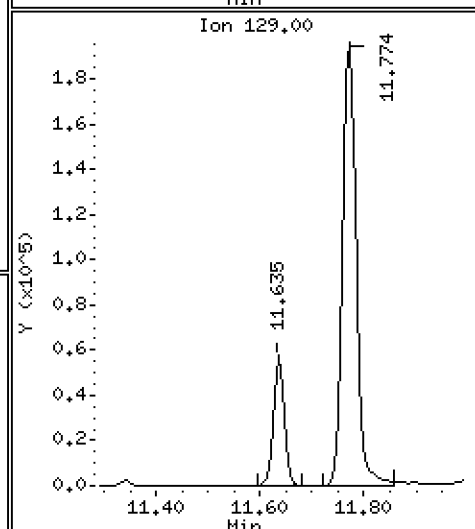
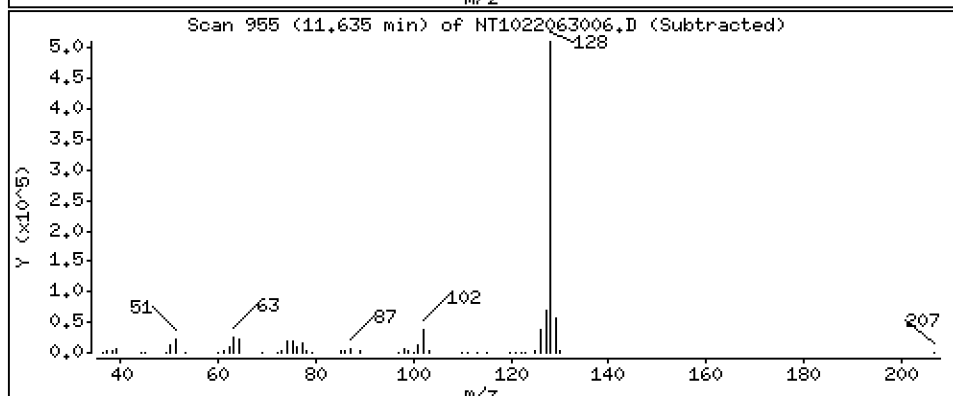
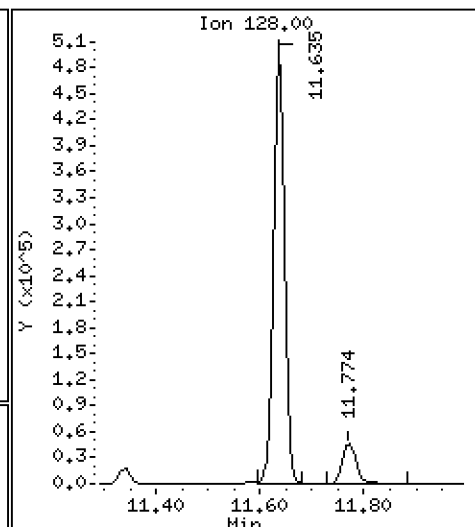
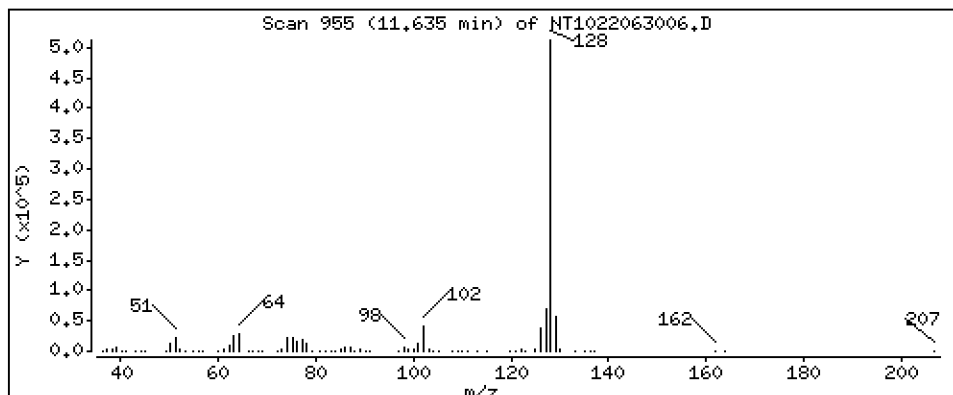
Operator: VTS

Column phase: ZB-5msi

Column diameter: 0,25

28 Naphthalene

Concentration: 3,717 ug/mL



Date : 30-JUN-2022 16:46

Client ID:

Instrument: nt10.i

Sample Info: BKF0469-BS1

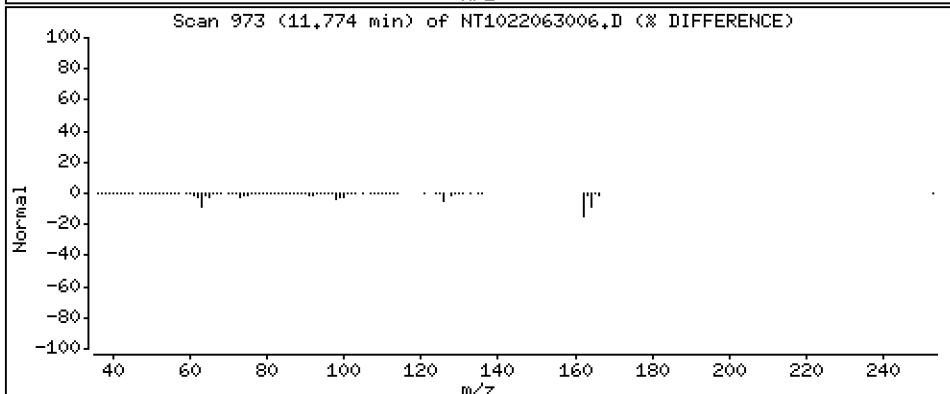
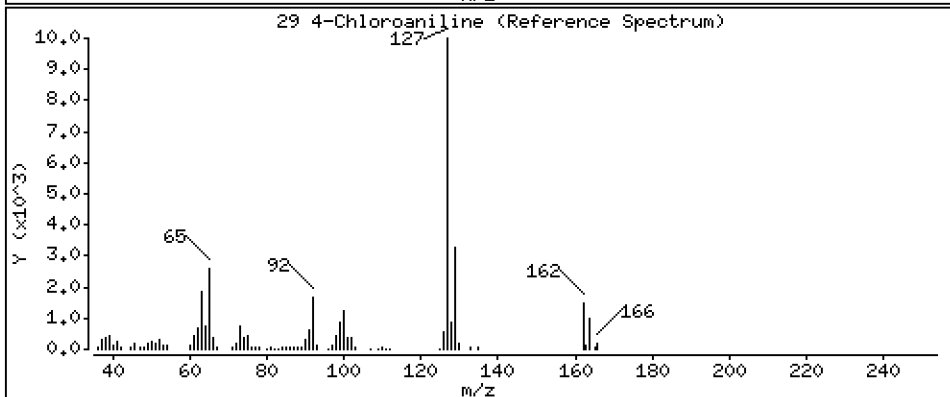
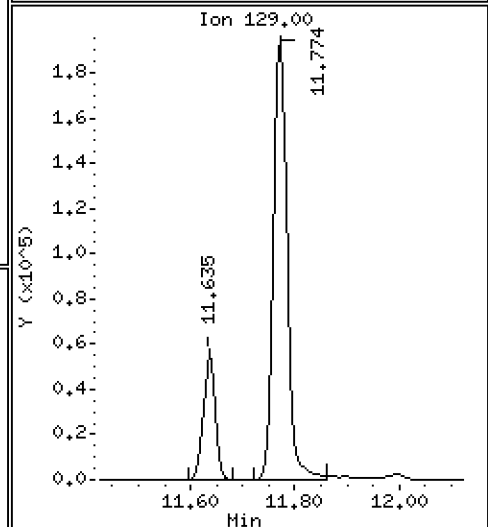
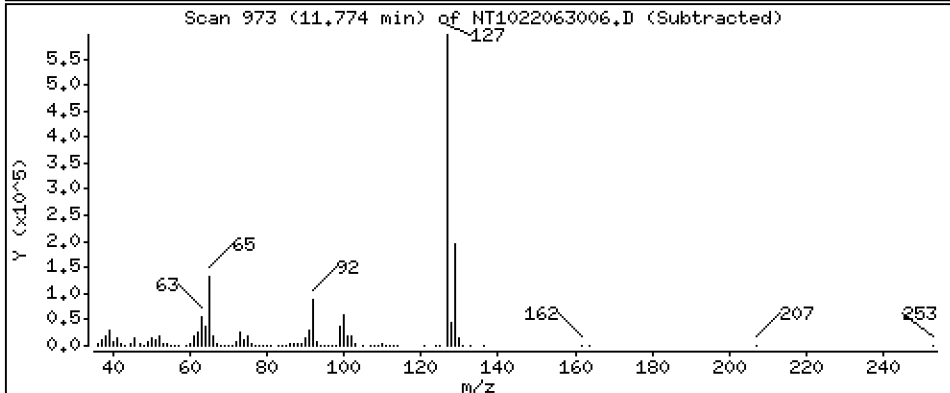
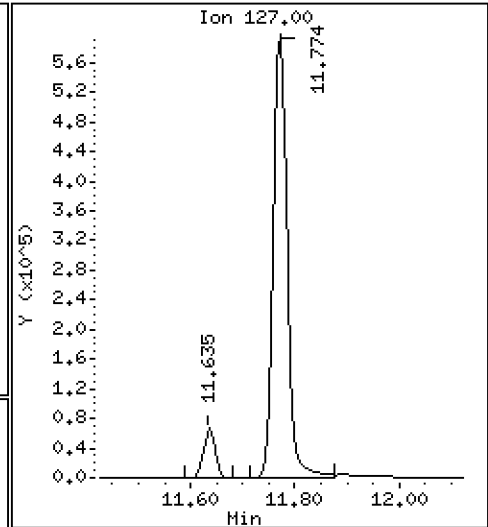
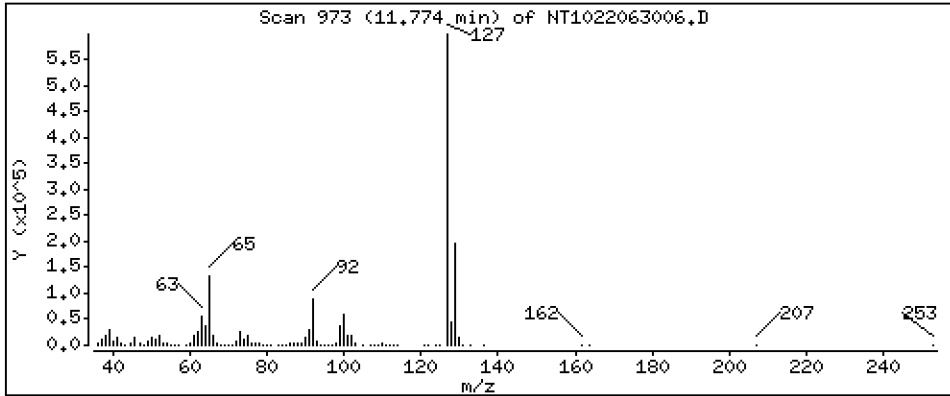
Operator: VTS

Column phase: ZB-5msi

Column diameter: 0,25

29 4-Chloroaniline

Concentration: 11,70 ug/mL



Date : 30-JUN-2022 16:46

Client ID:

Instrument: nt10.i

Sample Info: BKF0469-BS1

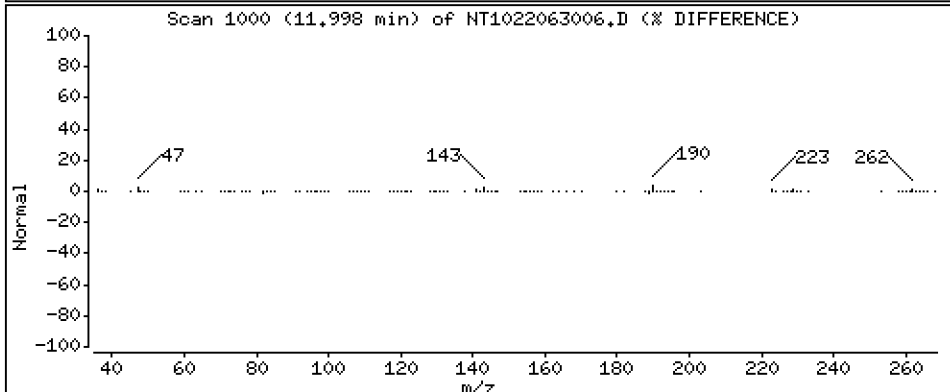
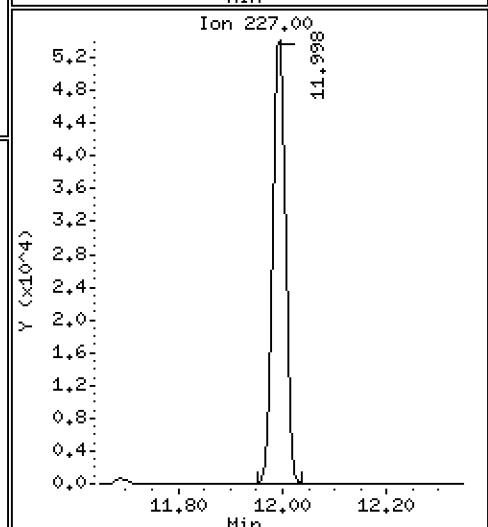
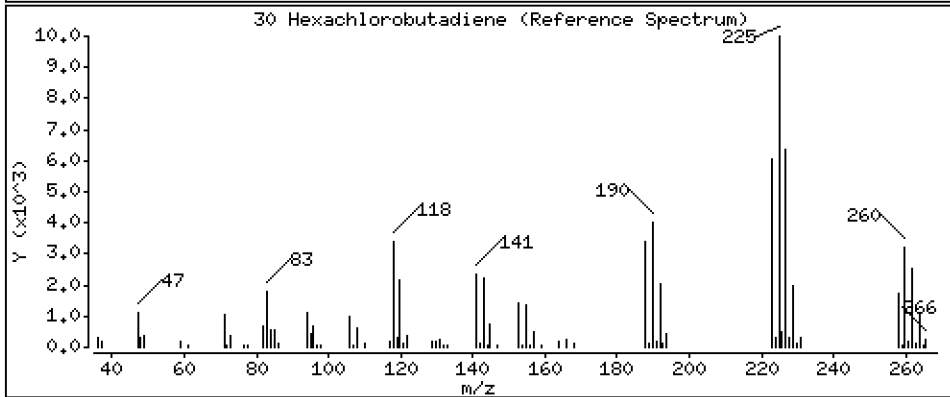
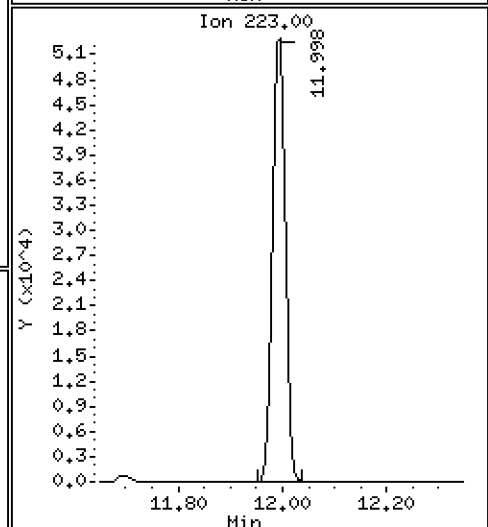
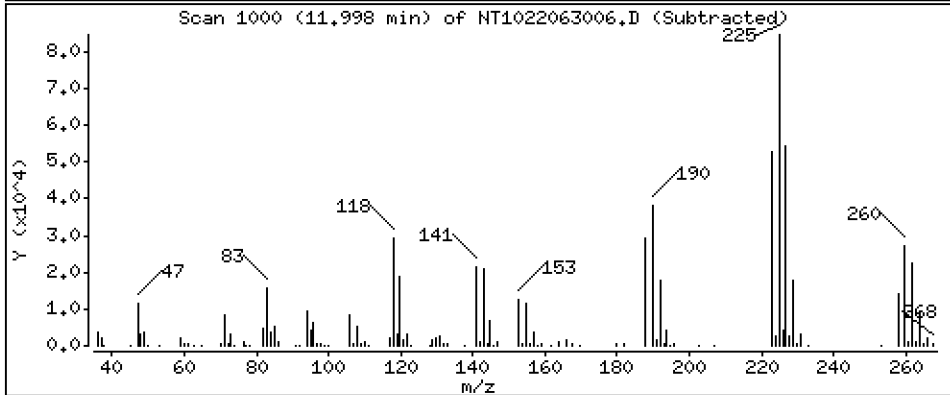
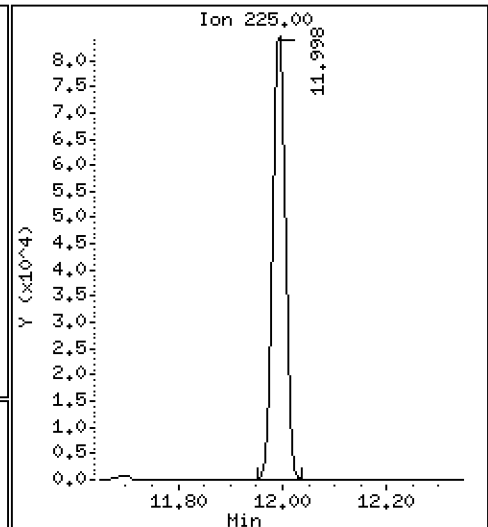
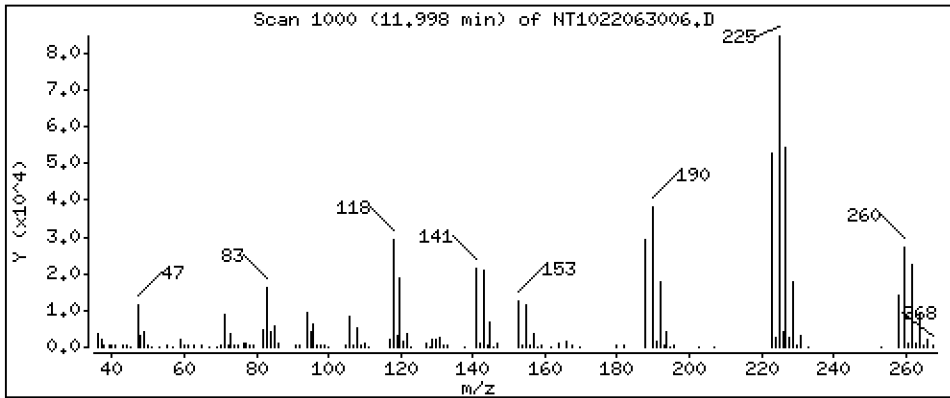
Operator: VTS

Column phase: ZB-5msi

Column diameter: 0,25

30 Hexachlorobutadiene

Concentration: 4,025 ug/mL



Date : 30-JUN-2022 16:46

Client ID:

Instrument: nt10.i

Sample Info: BKF0469-BS1

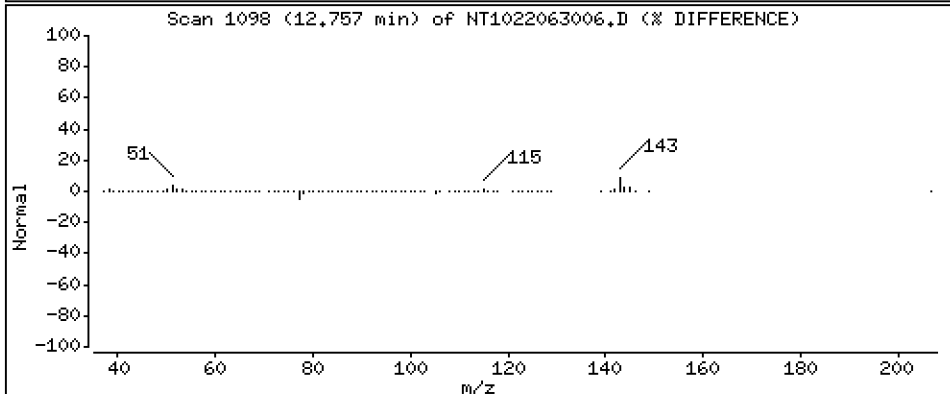
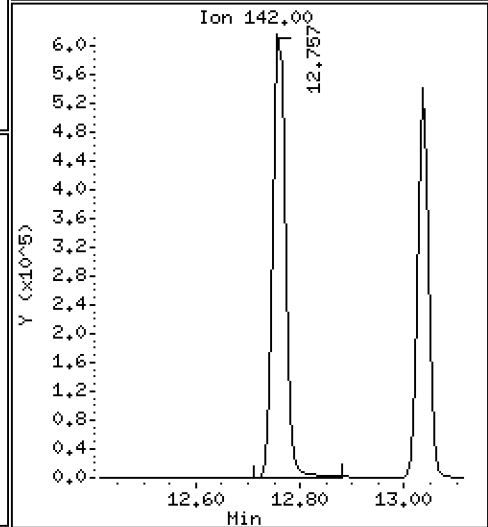
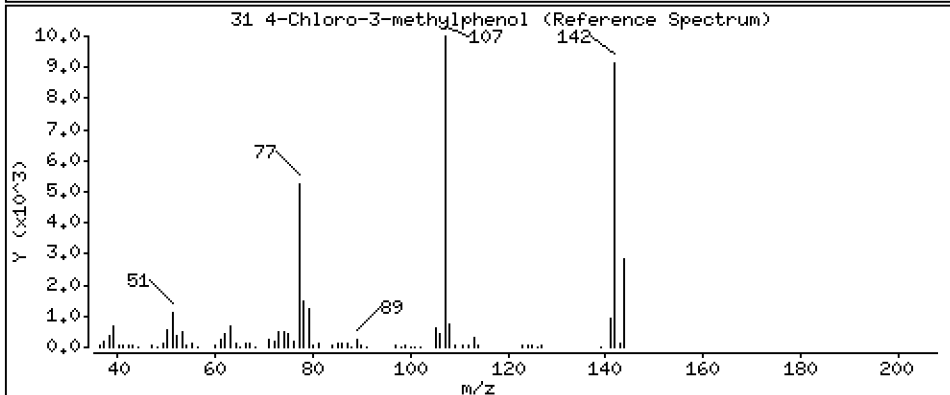
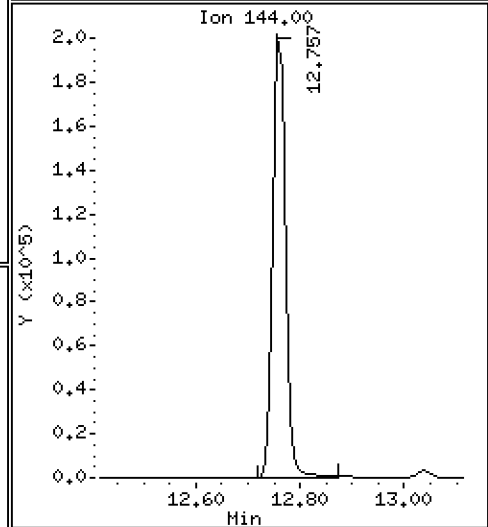
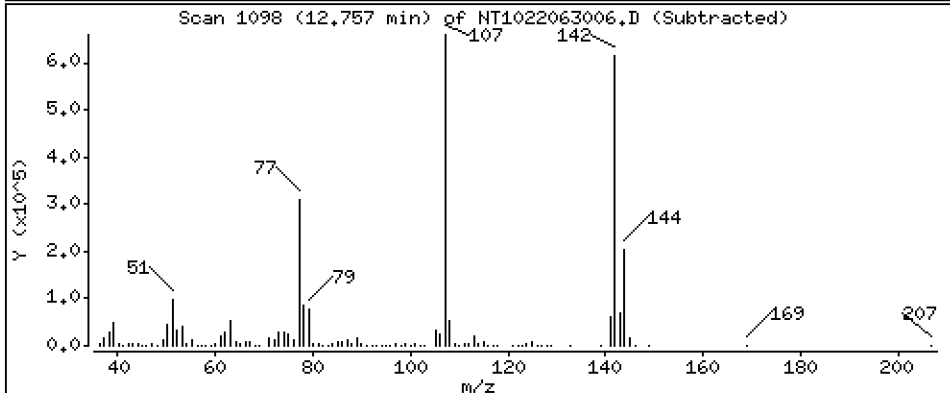
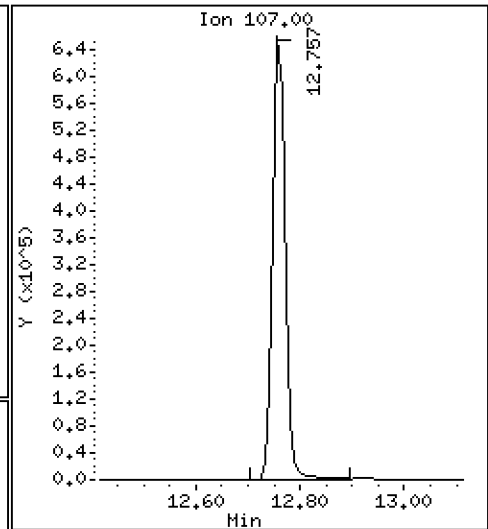
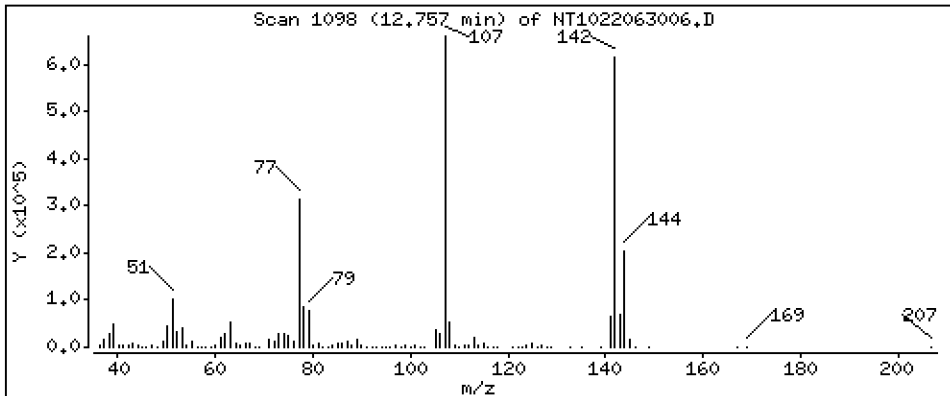
Operator: VTS

Column phase: ZB-5msi

Column diameter: 0,25

31 4-Chloro-3-methylphenol

Concentration: 12,78 ug/mL



Date : 30-JUN-2022 16:46

Client ID:

Instrument: nt10.i

Sample Info: BKF0469-BS1

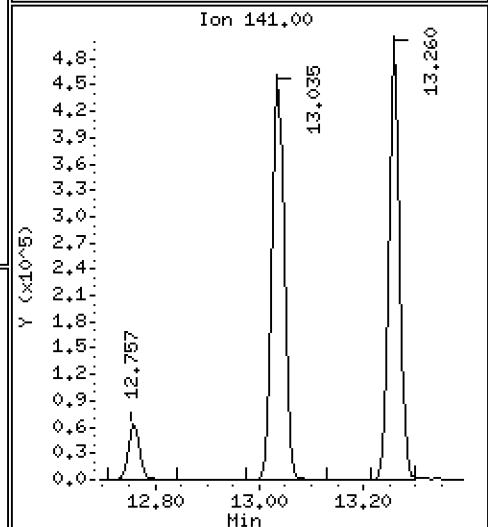
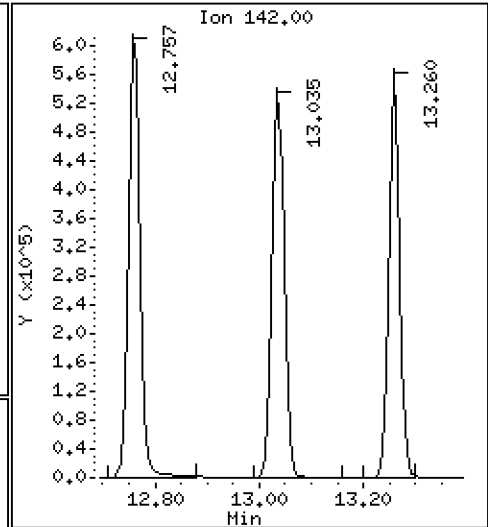
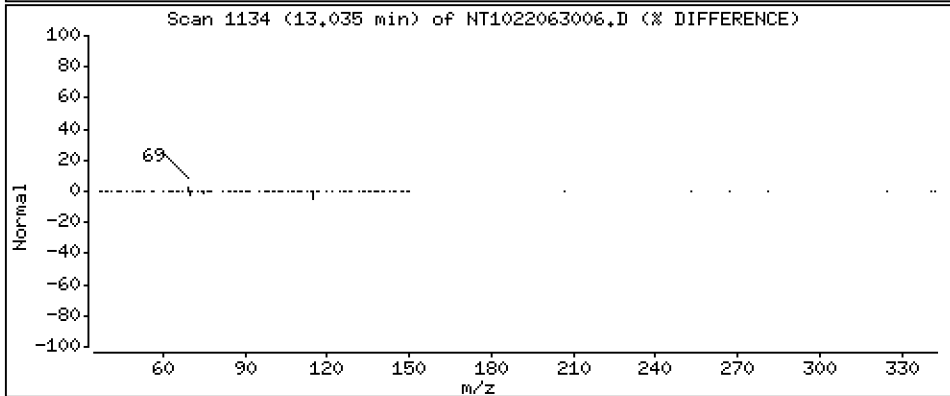
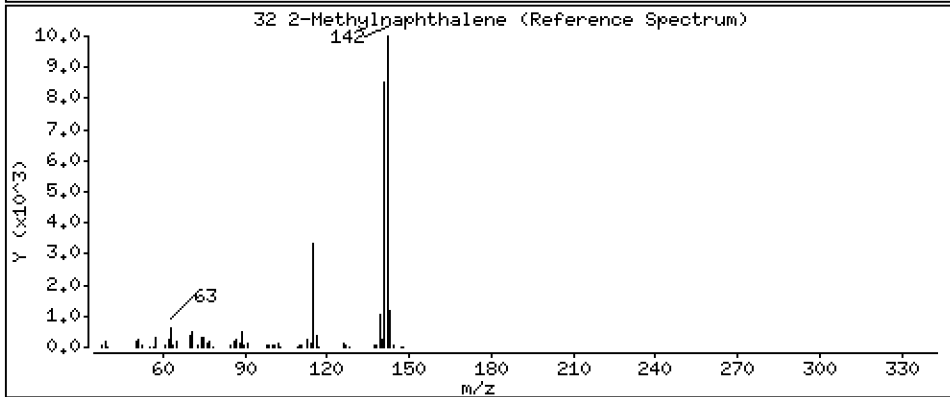
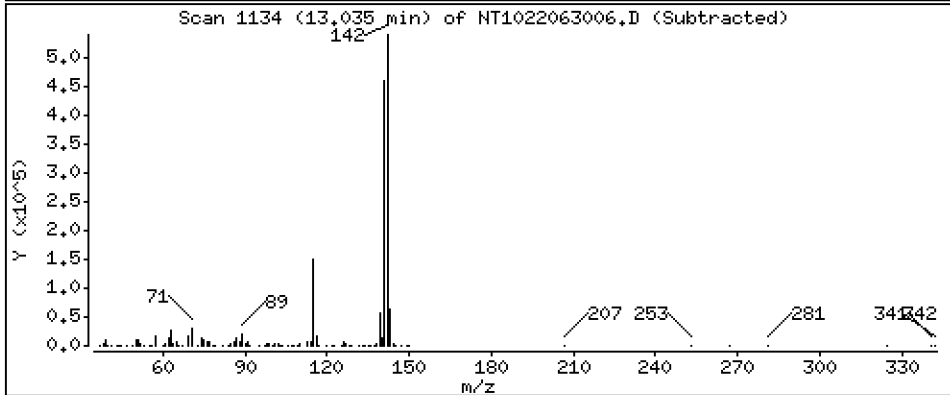
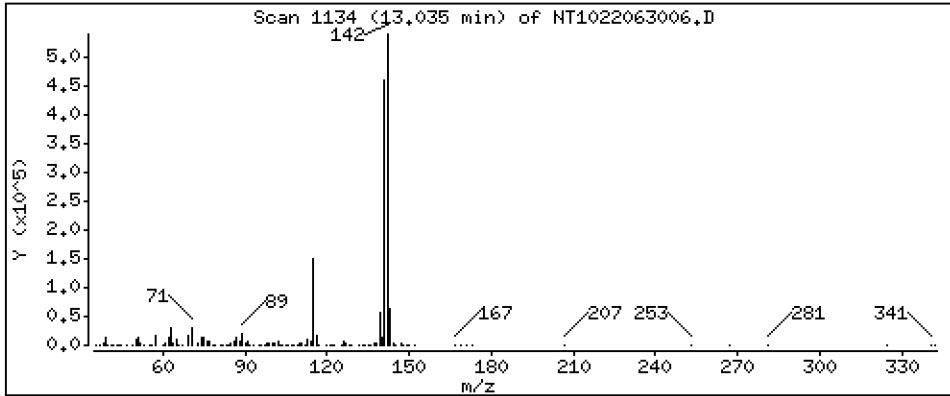
Operator: VTS

Column phase: ZB-5msi

Column diameter: 0,25

32 2-Methylnaphthalene

Concentration: 4,059 ug/mL



Date : 30-JUN-2022 16:46

Client ID:

Instrument: nt10.i

Sample Info: BKF0469-BS1

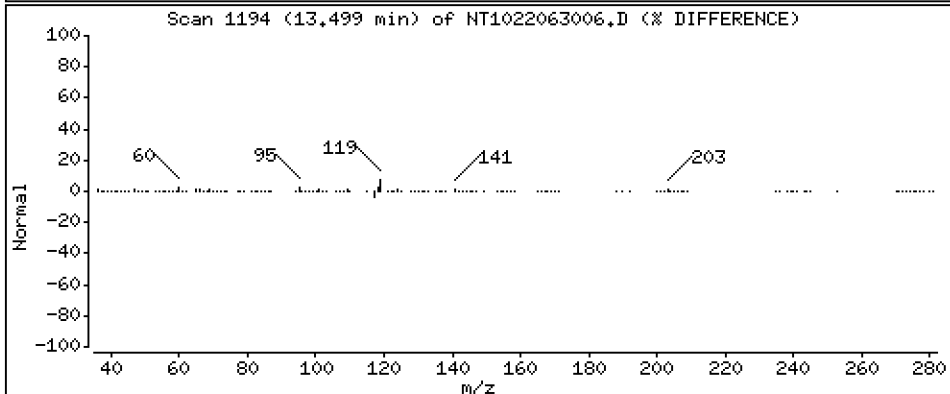
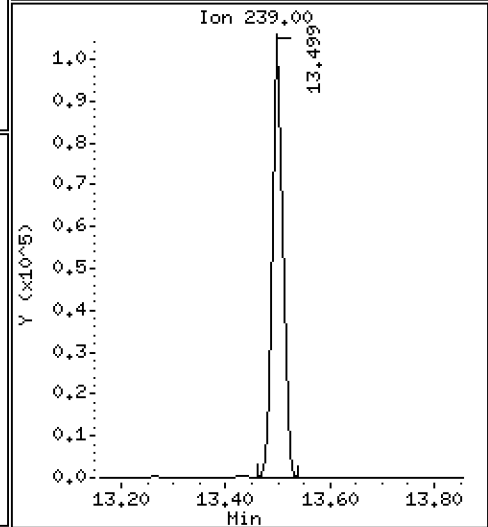
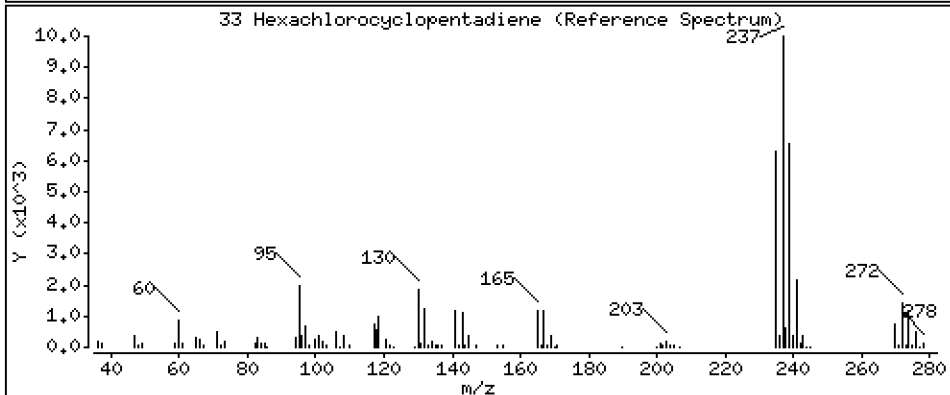
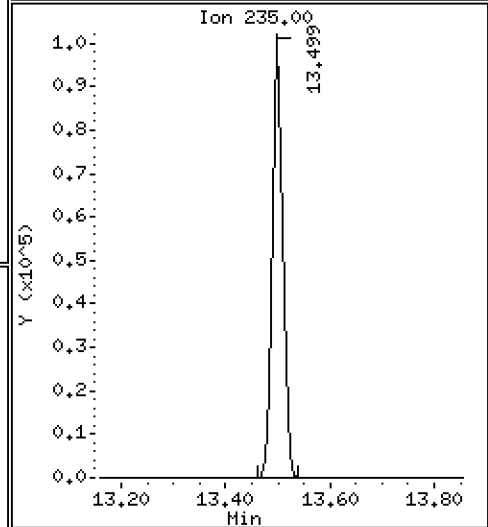
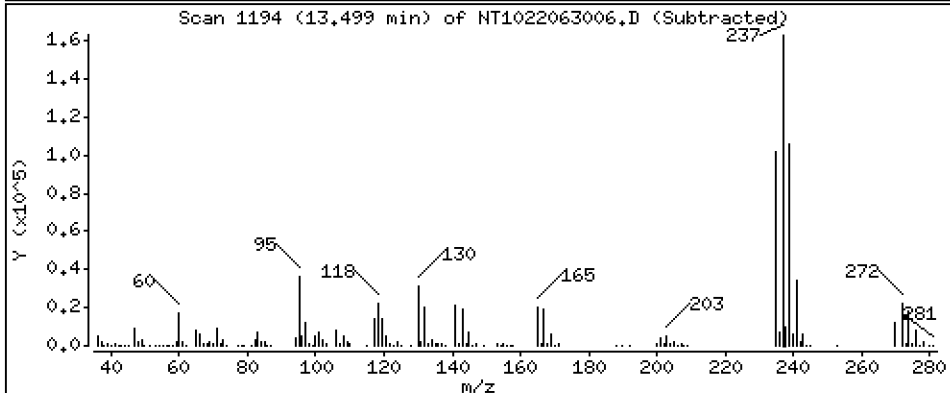
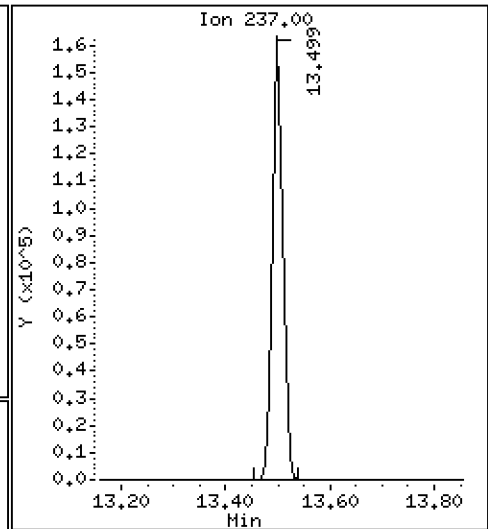
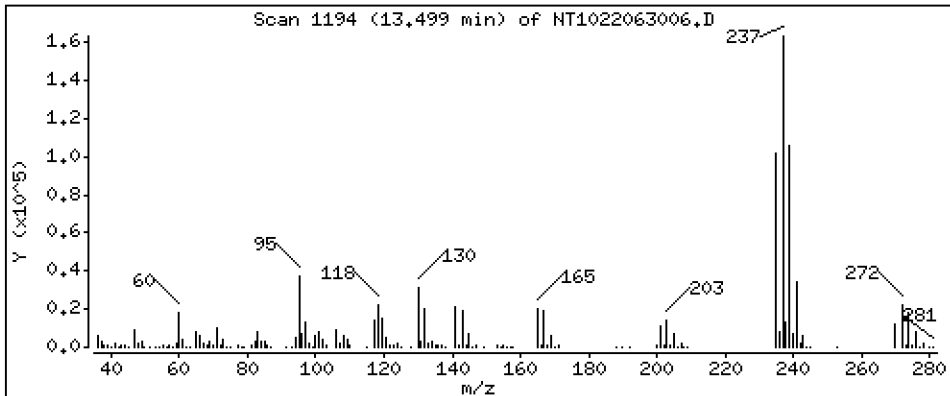
Operator: VTS

Column phase: ZB-5msi

Column diameter: 0,25

33 Hexachlorocyclopentadiene

Concentration: 8,048 ug/mL



Date : 30-JUN-2022 16:46

Client ID:

Instrument: nt10.i

Sample Info: BKF0469-BS1

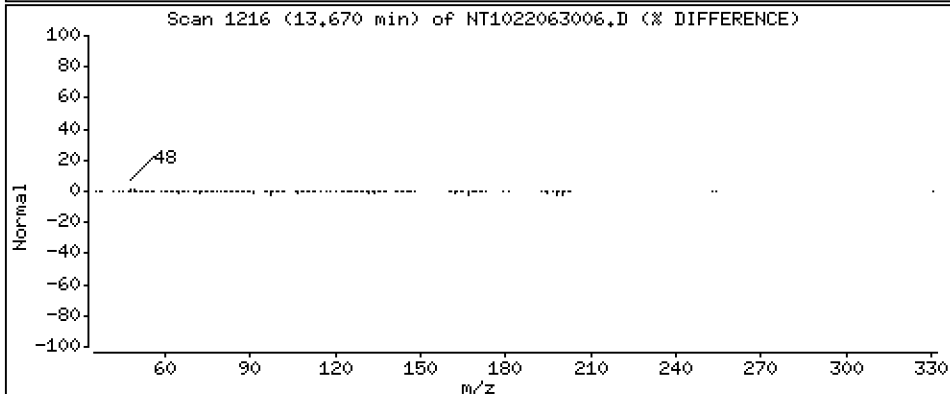
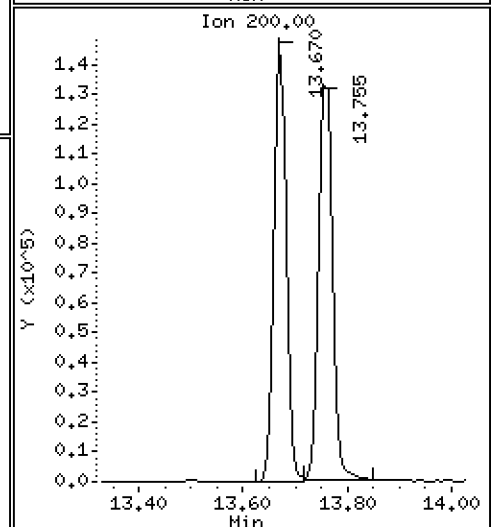
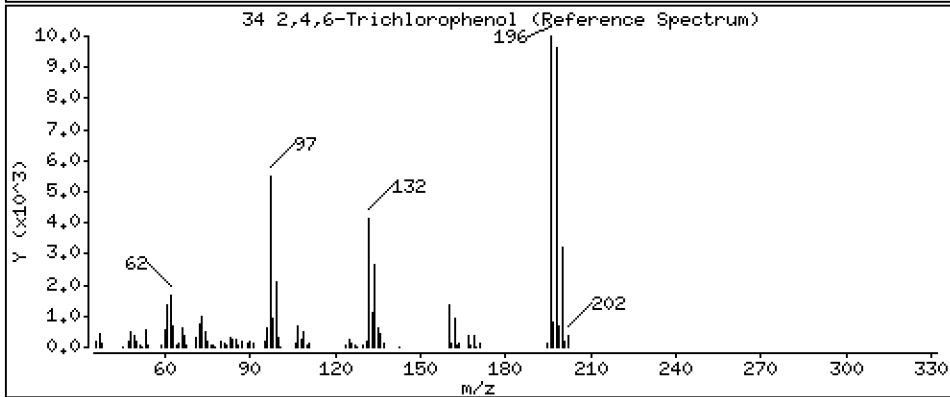
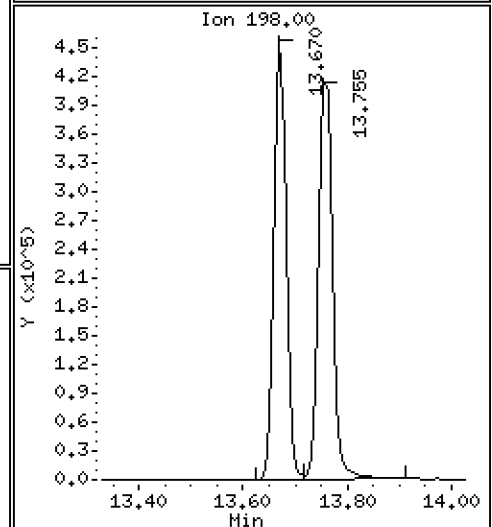
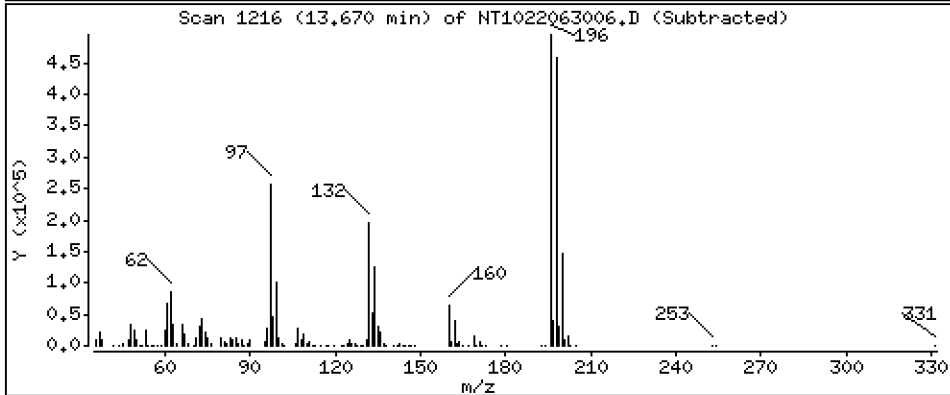
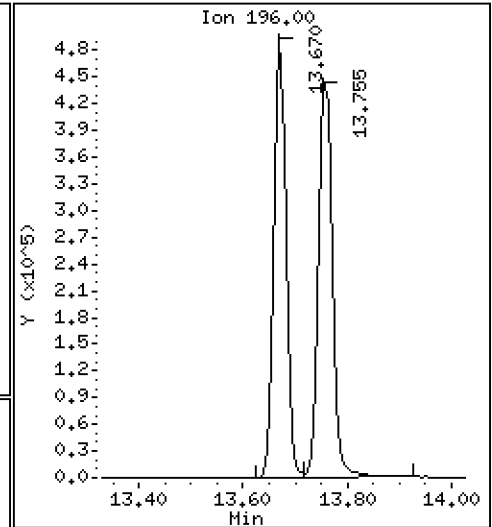
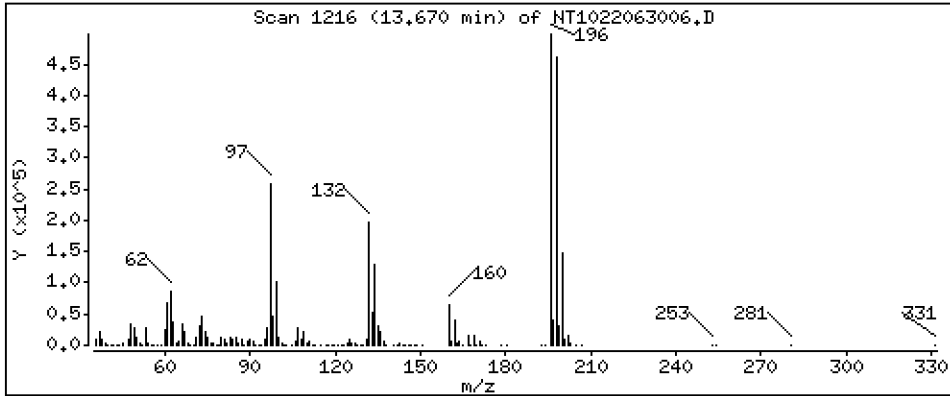
Operator: VTS

Column phase: ZB-5msi

Column diameter: 0,25

34 2,4,6-Trichlorophenol

Concentration: 14,54 ug/mL



Date : 30-JUN-2022 16:46

Client ID:

Instrument: nt10.i

Sample Info: BKF0469-BS1

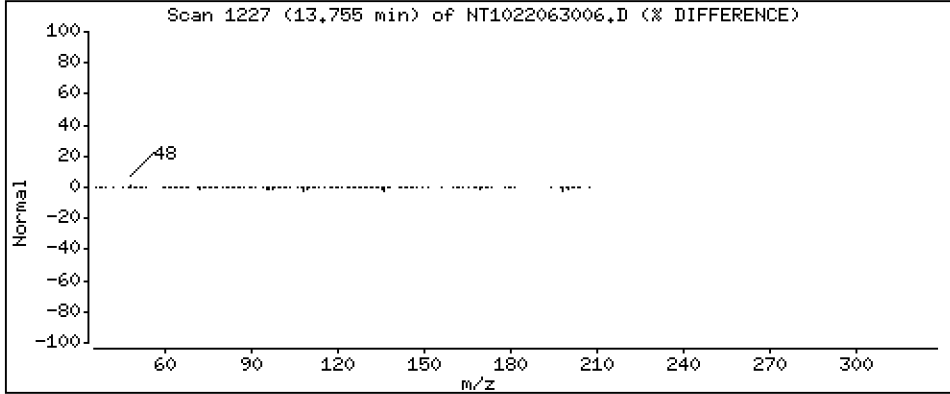
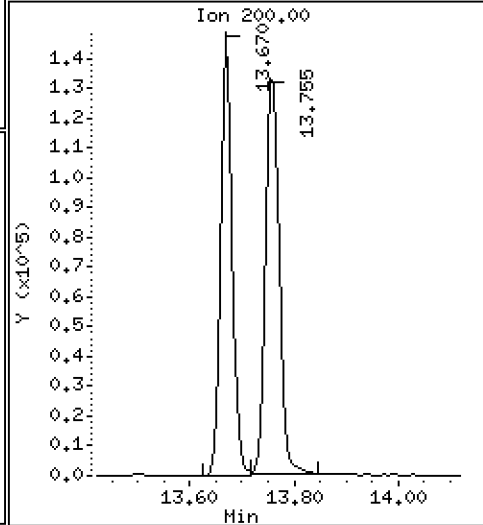
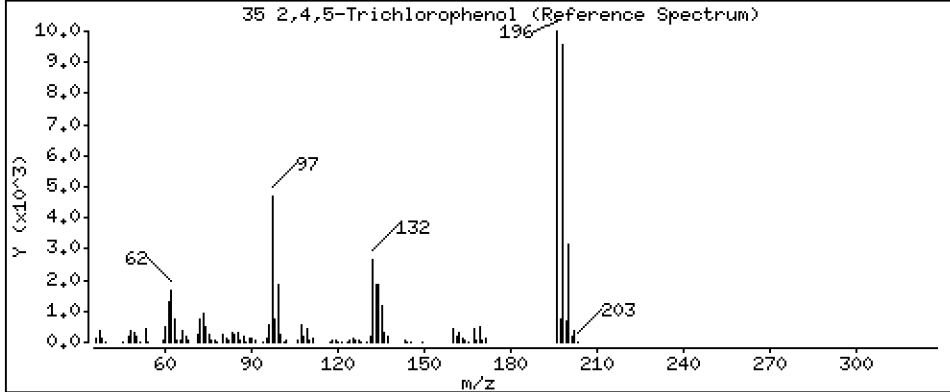
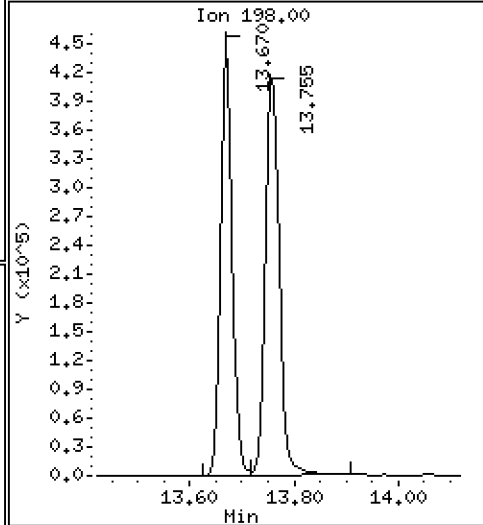
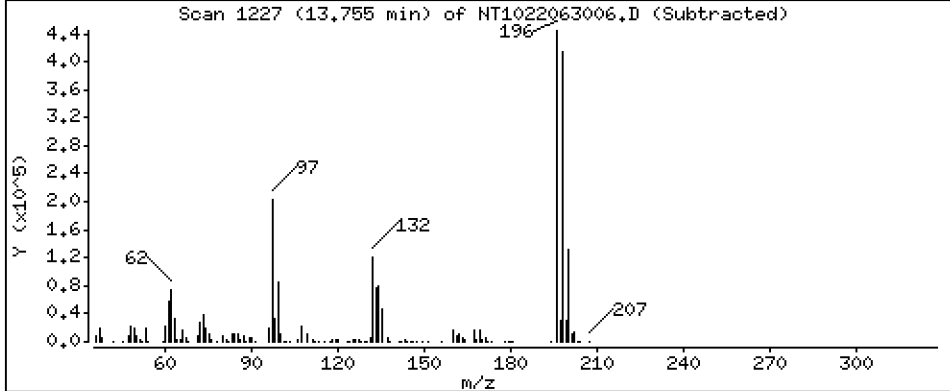
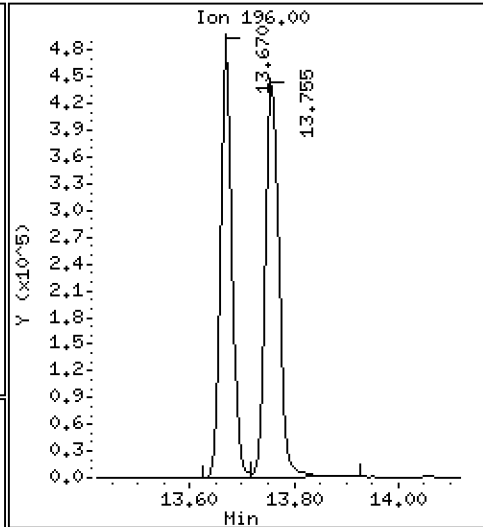
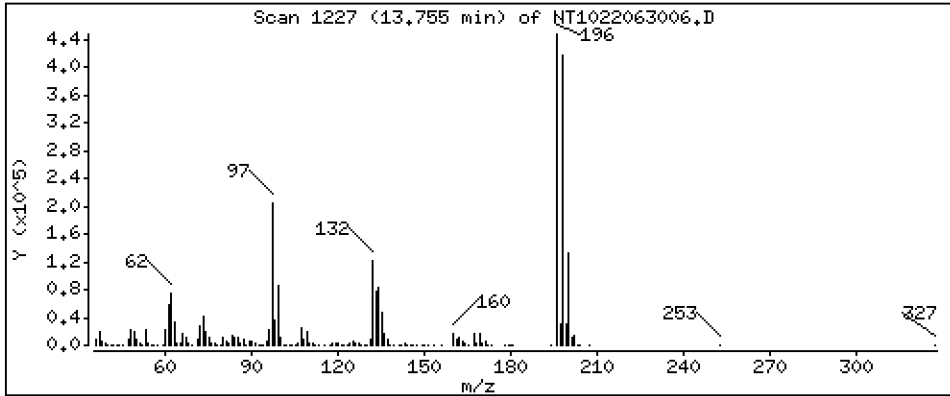
Operator: VTS

Column phase: ZB-5msi

Column diameter: 0,25

35 2,4,5-Trichlorophenol

Concentration: 12,89 ug/mL



Date : 30-JUN-2022 16:46

Client ID:

Instrument: nt10.i

Sample Info: BKF0469-BS1

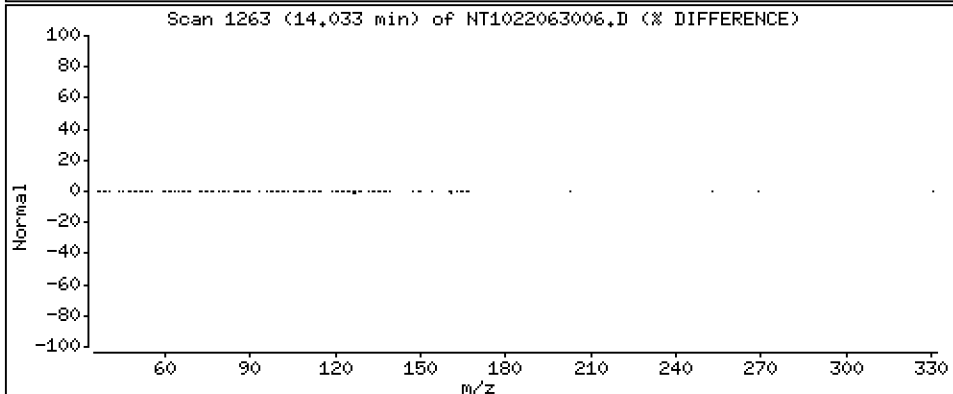
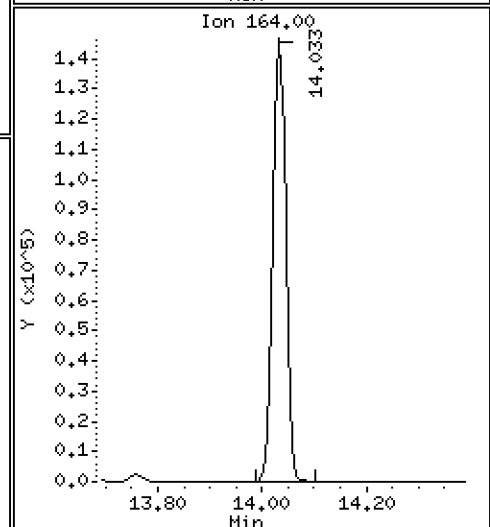
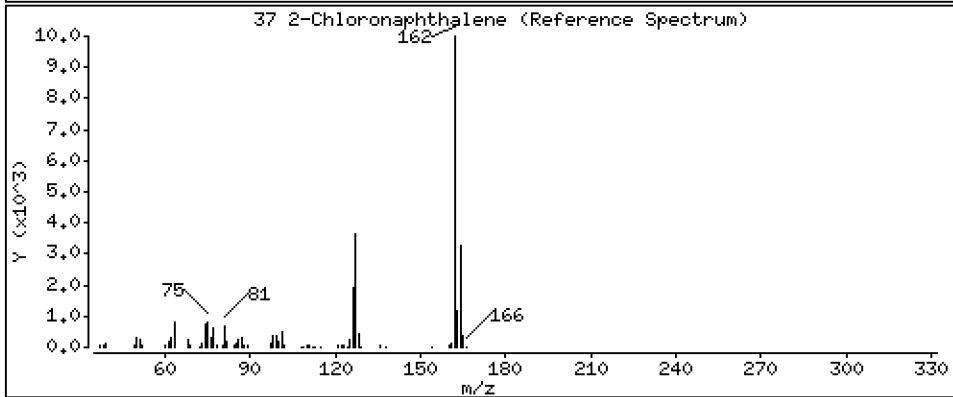
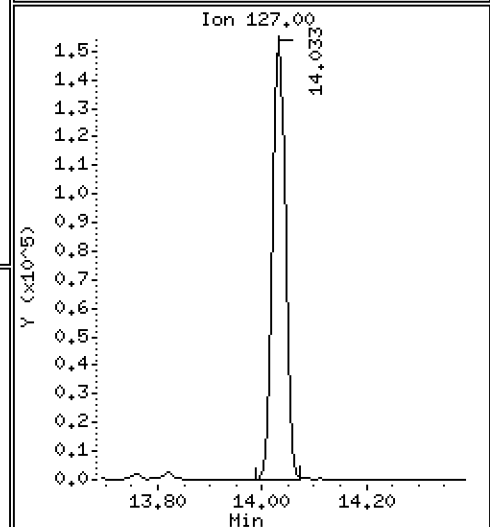
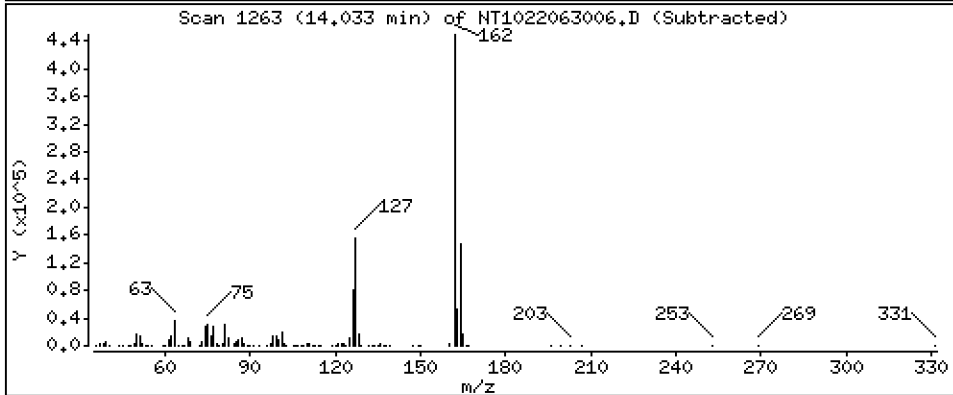
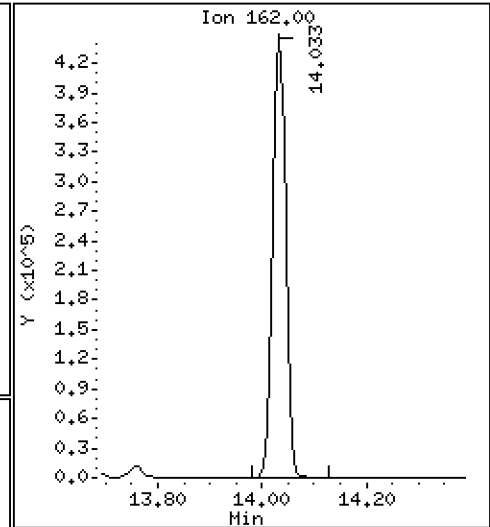
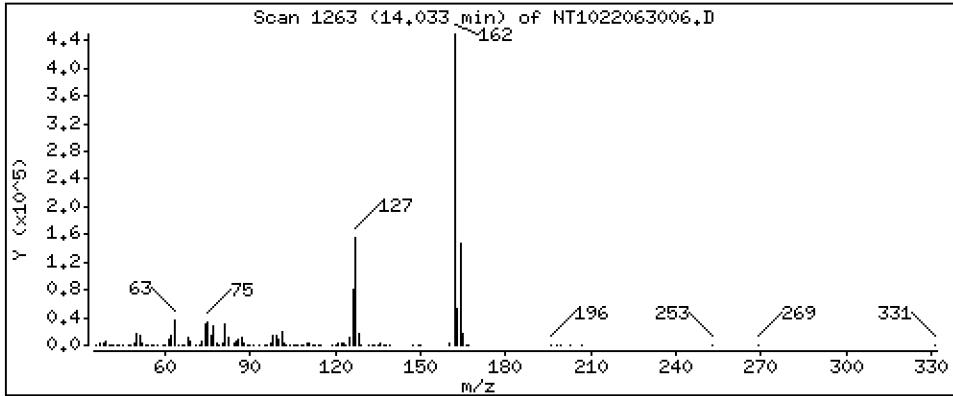
Operator: VTS

Column phase: ZB-5msi

Column diameter: 0,25

37 2-Chloronaphthalene

Concentration: 4,091 ug/mL



Date : 30-JUN-2022 16:46

Client ID:

Instrument: nt10.i

Sample Info: BKF0469-BS1

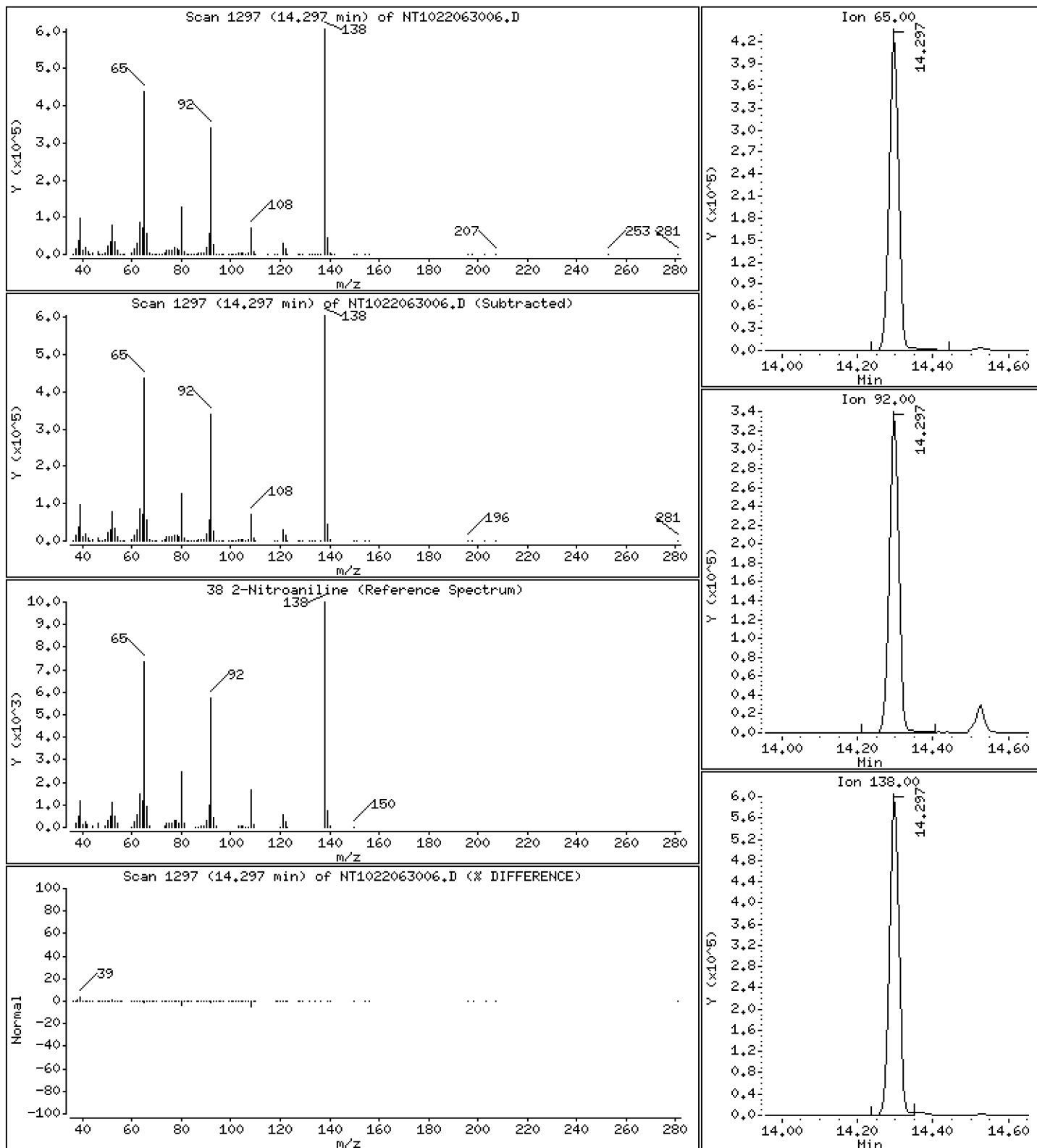
Operator: VTS

Column phase: ZB-5msi

Column diameter: 0,25

38 2-Nitroaniline

Concentration: 14,85 ug/mL



Date : 30-JUN-2022 16:46

Client ID:

Instrument: nt10.i

Sample Info: BKF0469-BS1

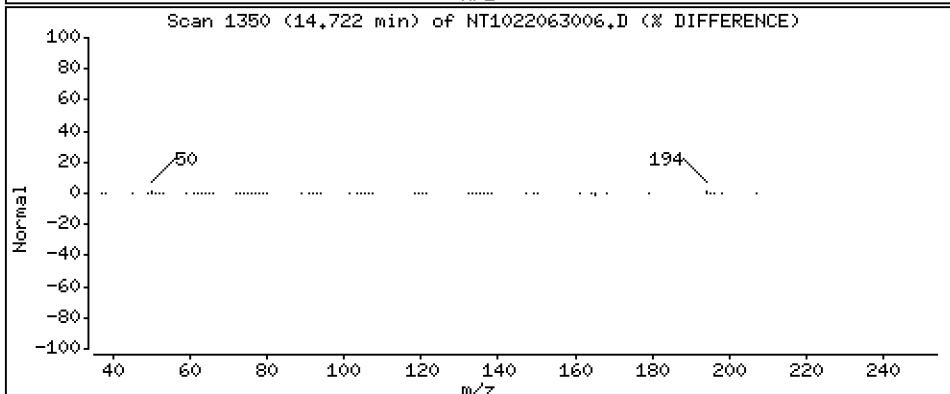
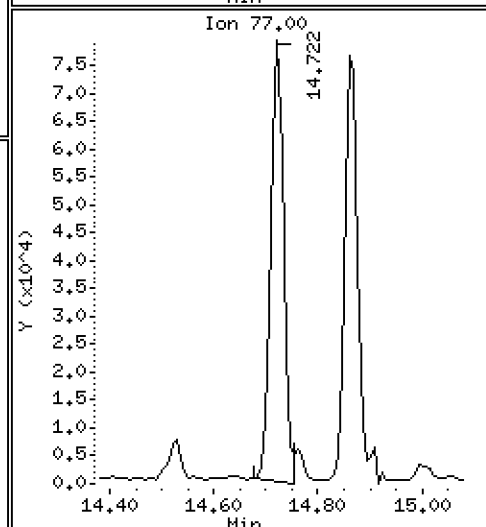
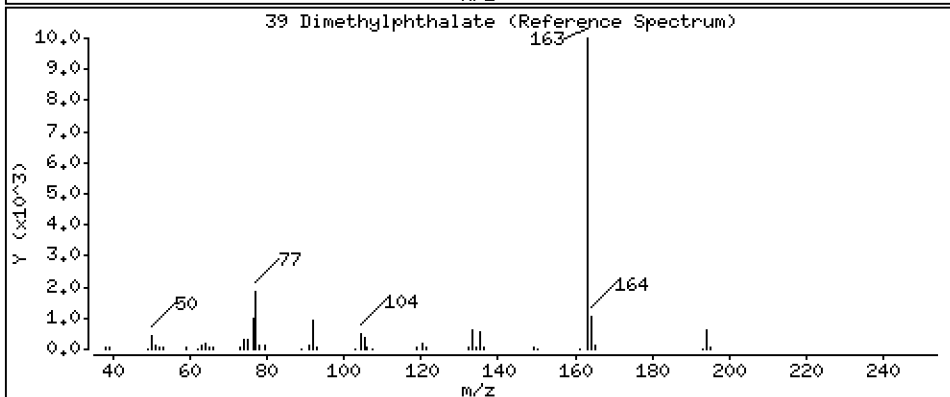
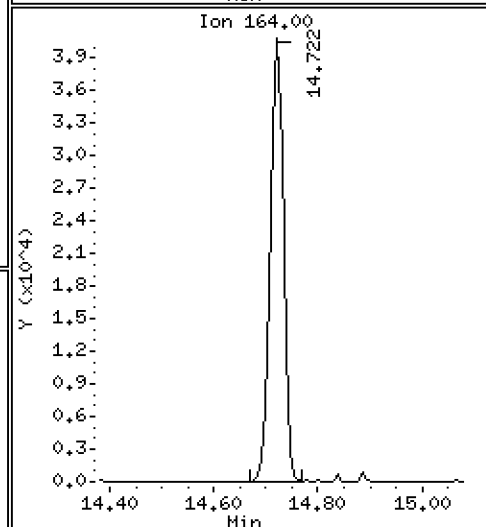
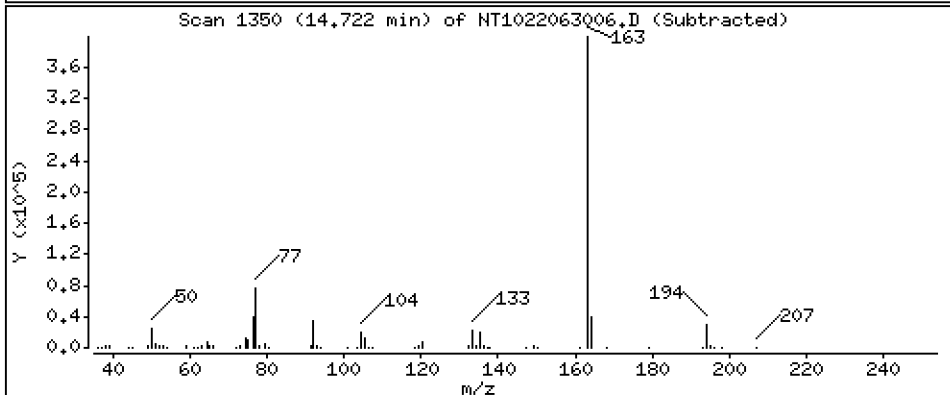
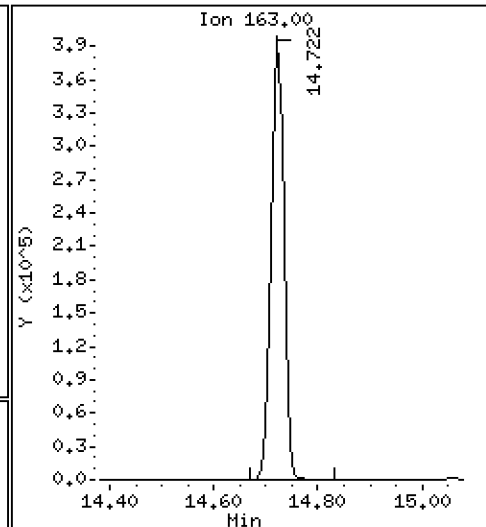
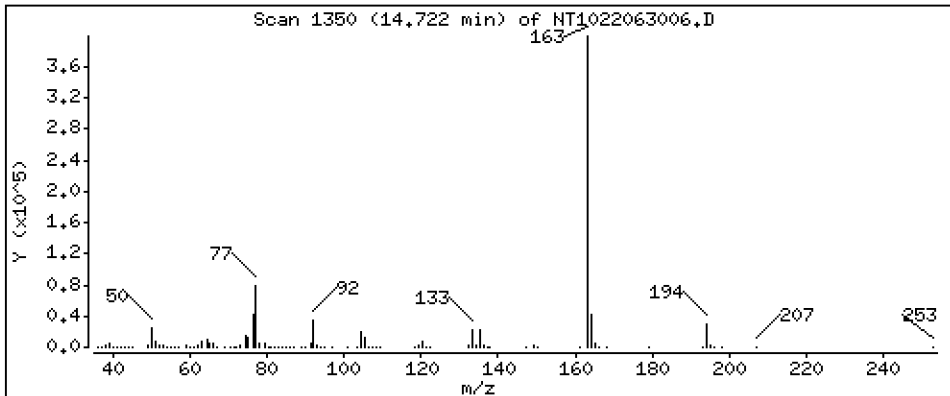
Operator: VTS

Column phase: ZB-5msi

Column diameter: 0,25

39 Dimethylphthalate

Concentration: 4,002 ug/mL



Date : 30-JUN-2022 16:46

Client ID:

Instrument: nt10.i

Sample Info: BKF0469-BS1

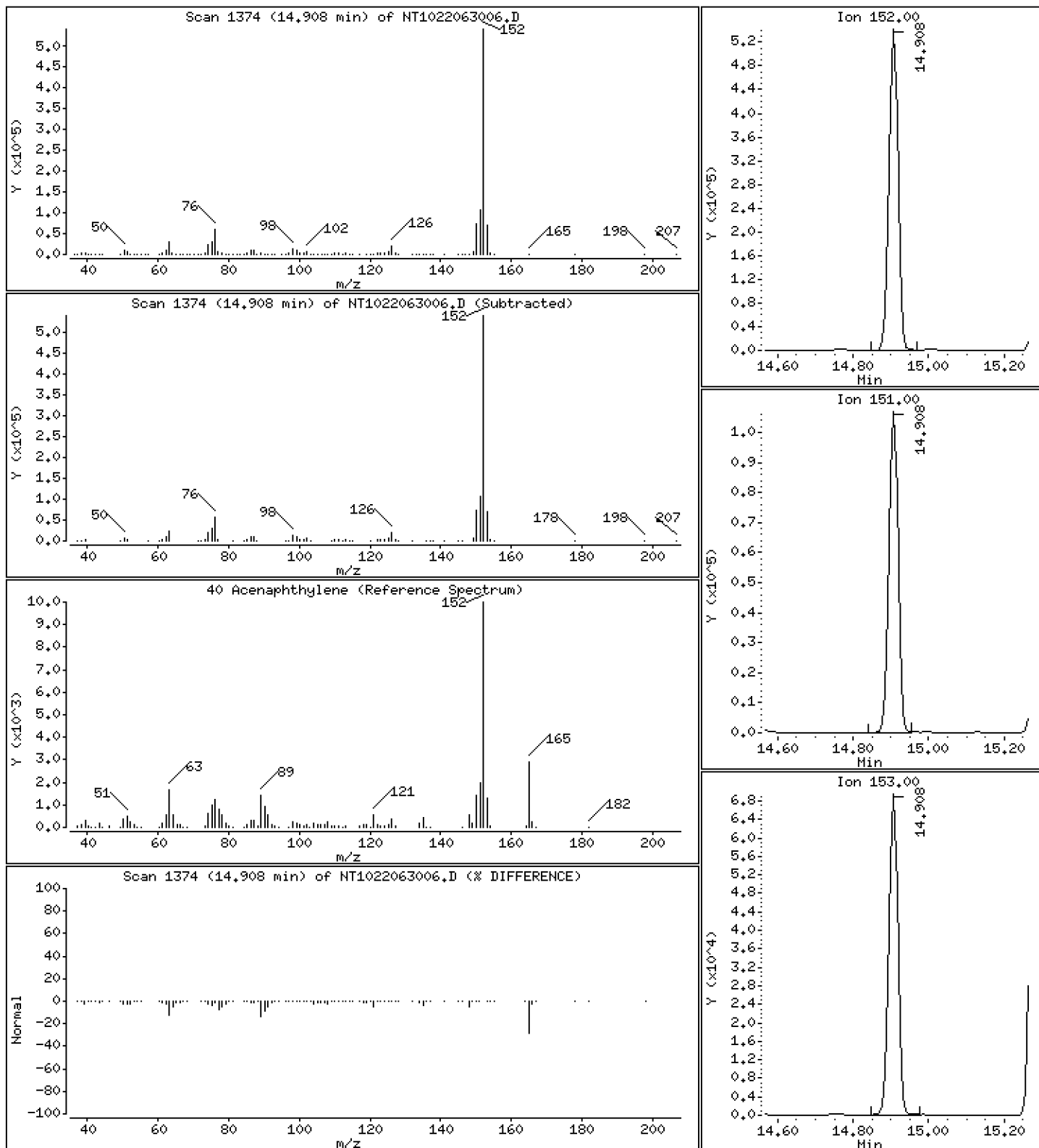
Operator: VTS

Column phase: ZB-5msi

Column diameter: 0,25

40 Acenaphthylene

Concentration: 3,233 ug/mL



Date : 30-JUN-2022 16:46

Client ID:

Instrument: nt10.i

Sample Info: BKF0469-BS1

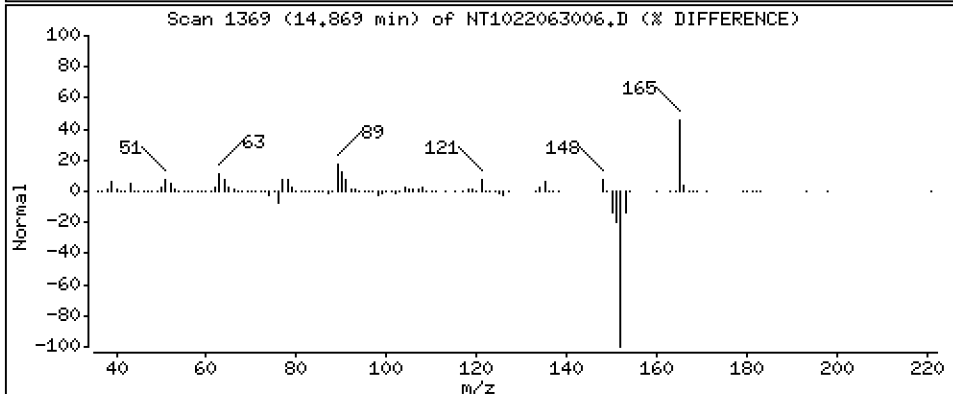
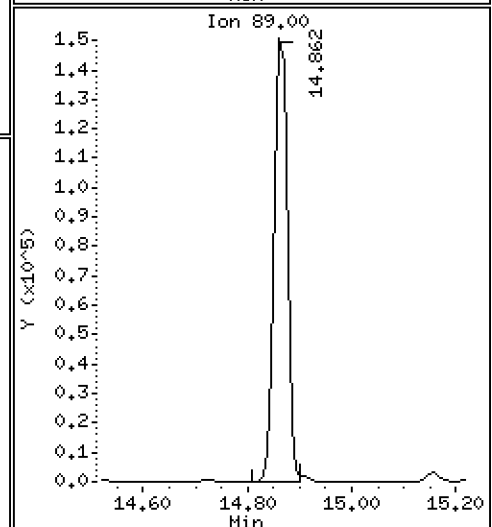
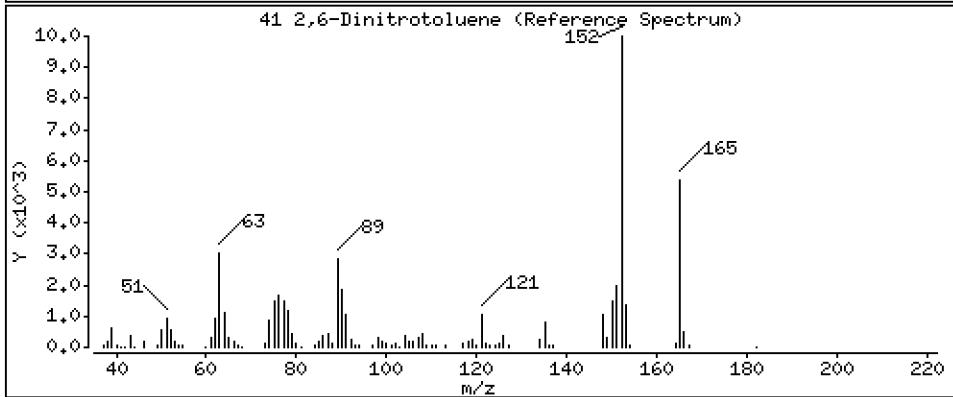
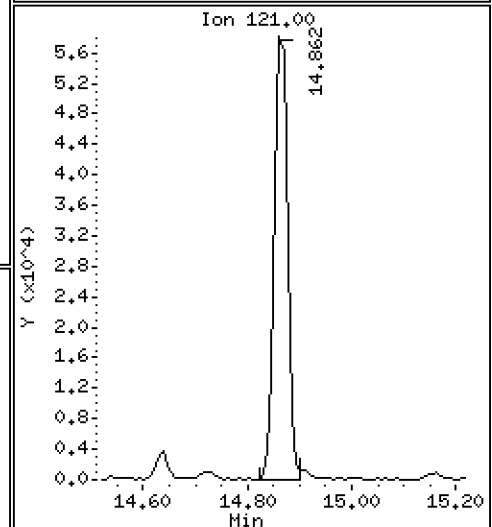
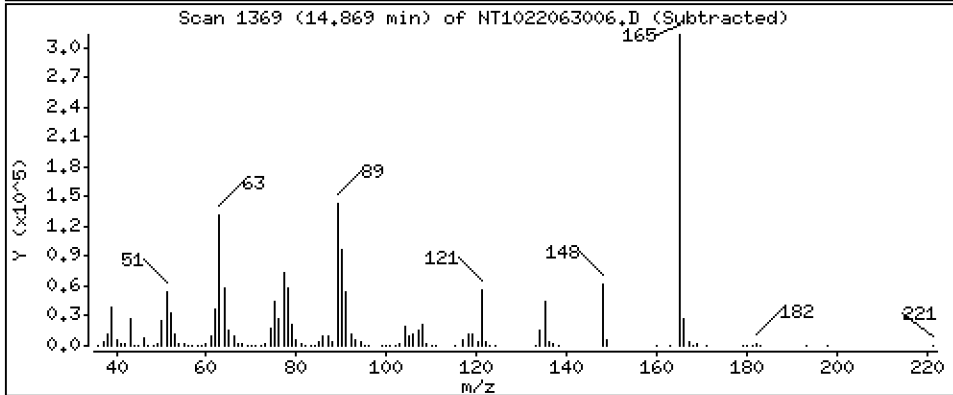
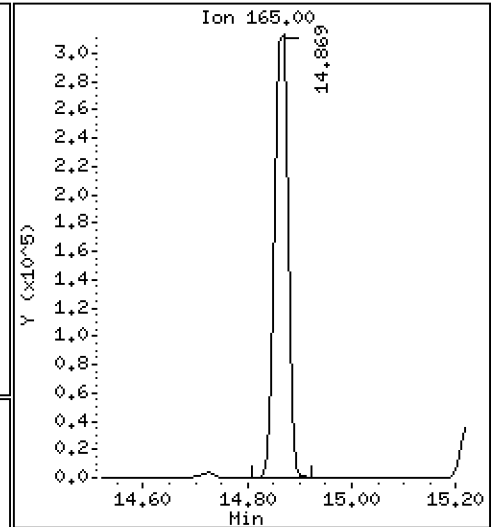
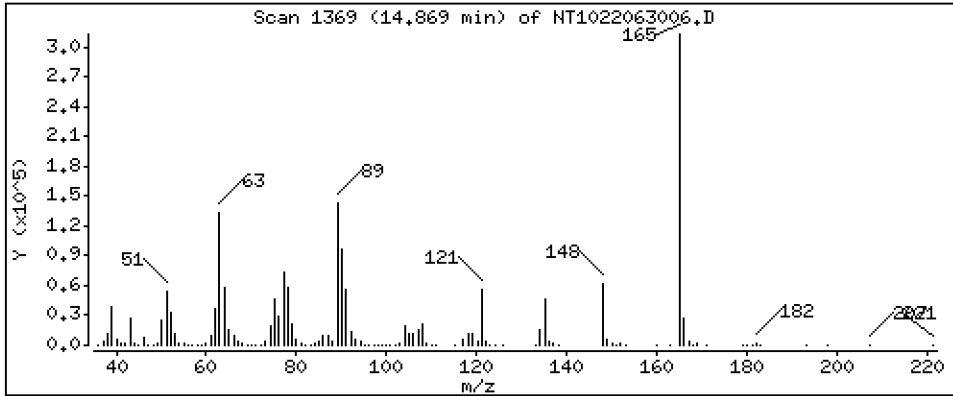
Operator: VTS

Column phase: ZB-5msi

Column diameter: 0,25

41 2,6-Dinitrotoluene

Concentration: 14,46 ug/mL



Date : 30-JUN-2022 16:46

Client ID:

Instrument: nt10.i

Sample Info: BKF0469-BS1

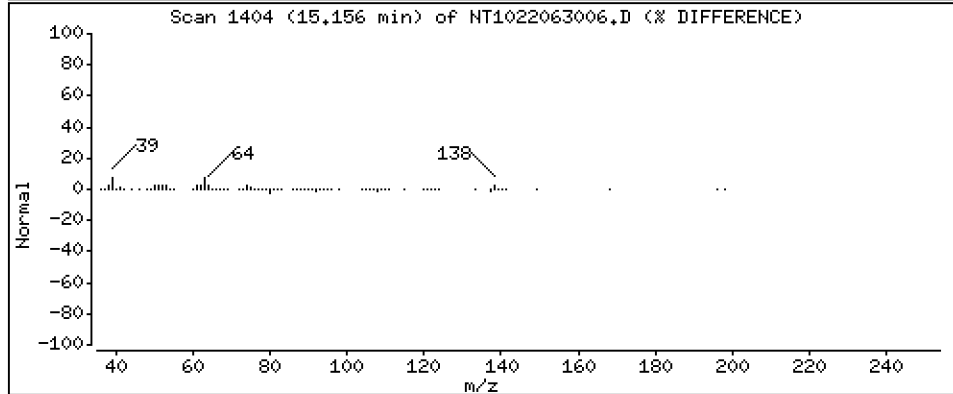
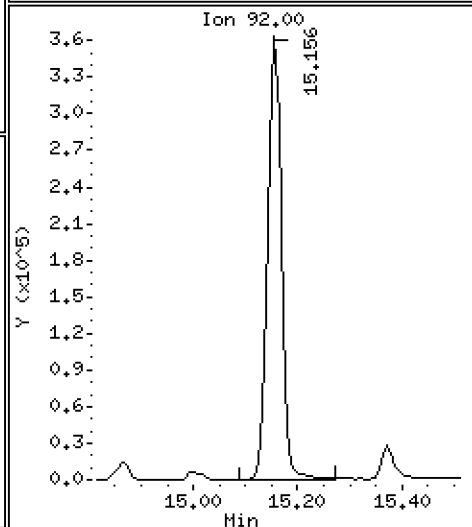
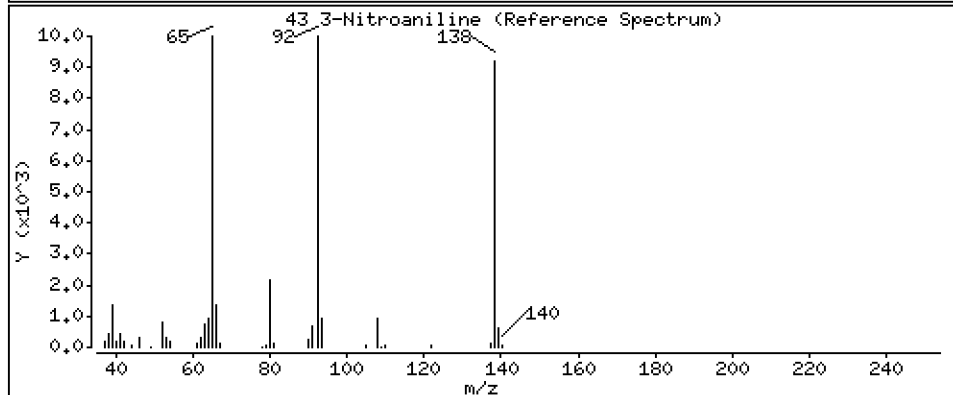
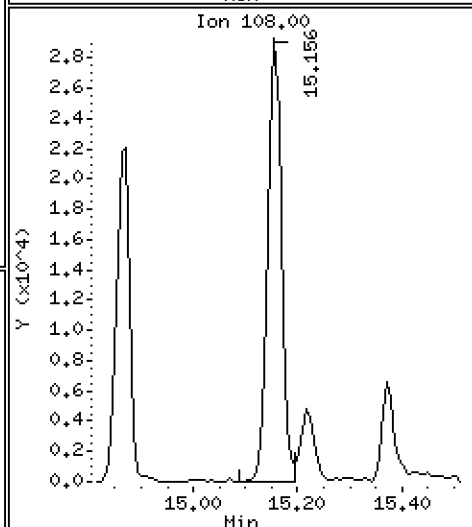
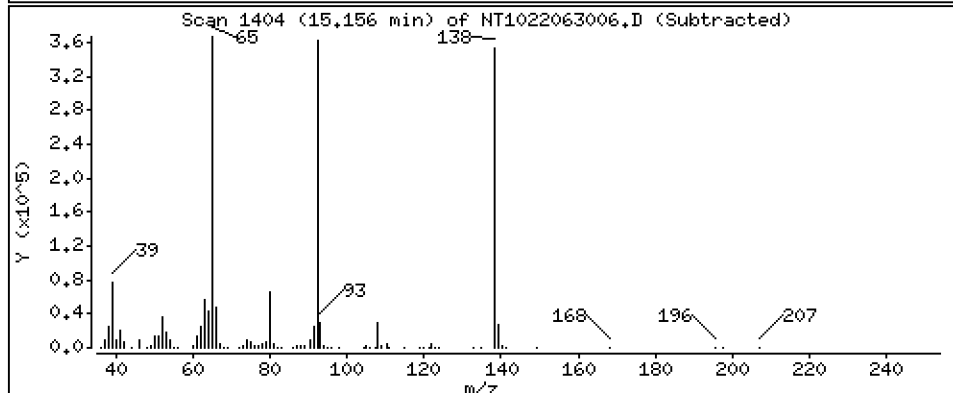
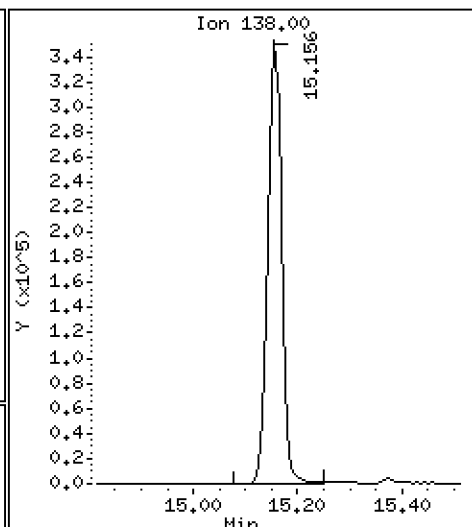
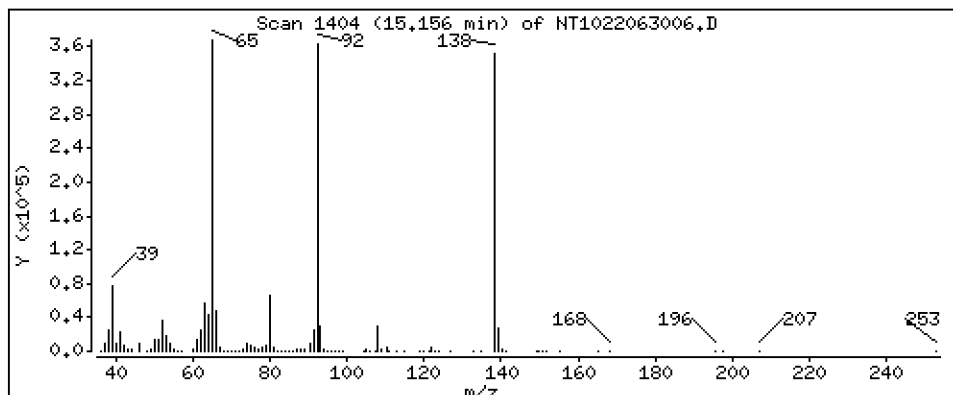
Operator: VTS

Column phase: ZB-5msi

Column diameter: 0,25

43 3-Nitroaniline

Concentration: 14,14 ug/mL



Date : 30-JUN-2022 16:46

Client ID:

Instrument: nt10.i

Sample Info: BKF0469-BS1

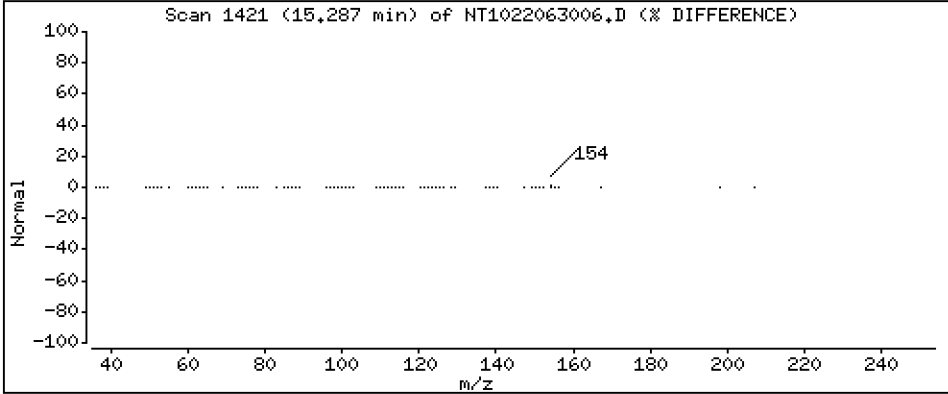
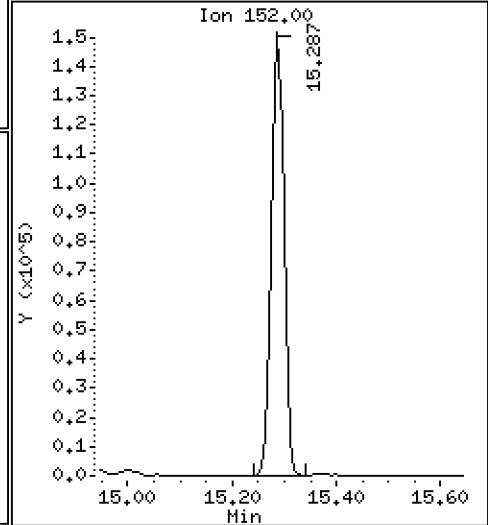
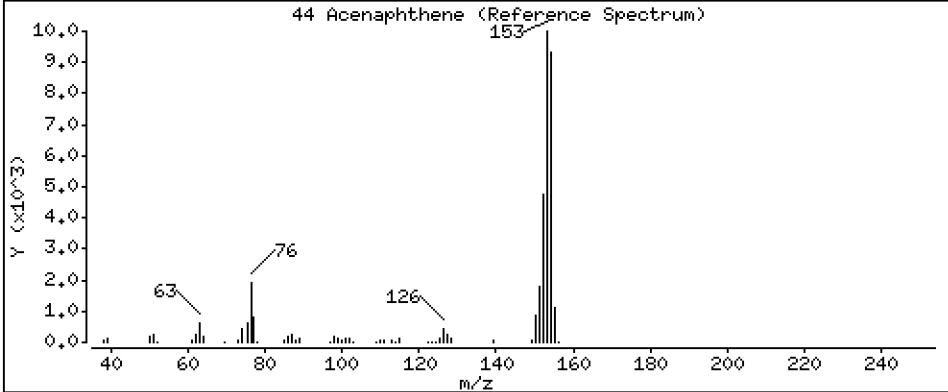
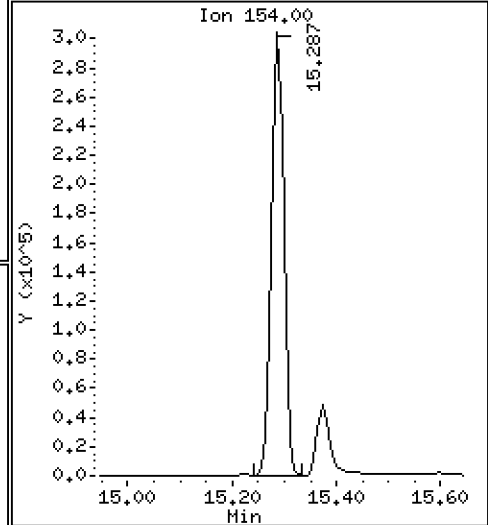
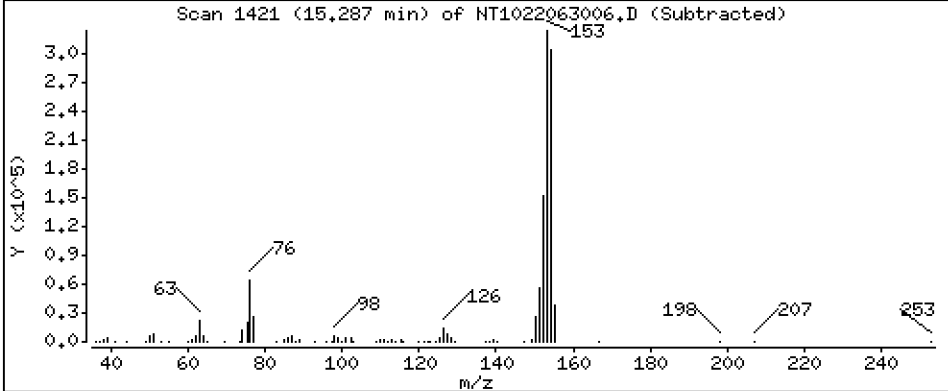
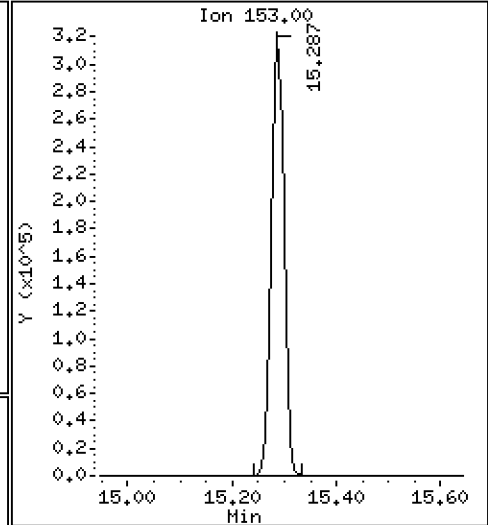
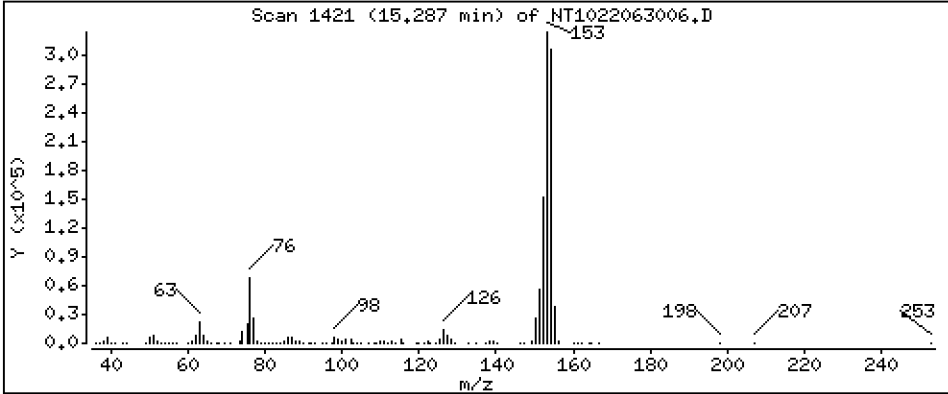
Operator: VTS

Column phase: ZB-5msi

Column diameter: 0,25

44 Acenaphthene

Concentration: 3,865 ug/mL



Date : 30-JUN-2022 16:46

Client ID:

Instrument: nt10.i

Sample Info: BKF0469-BS1

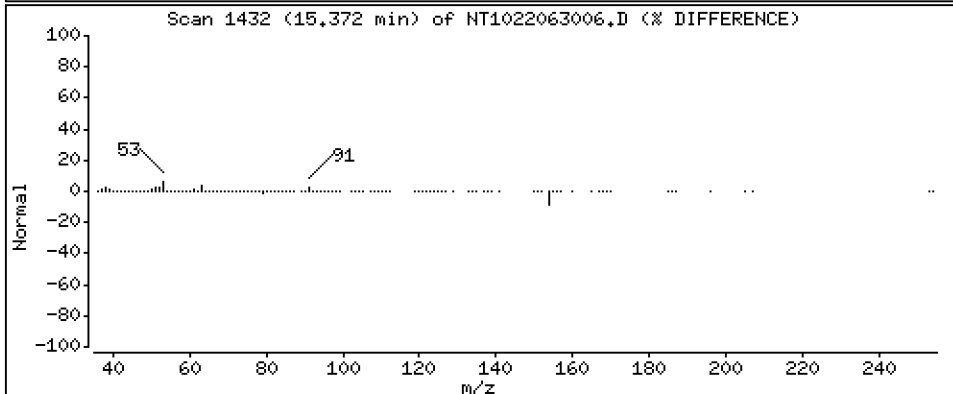
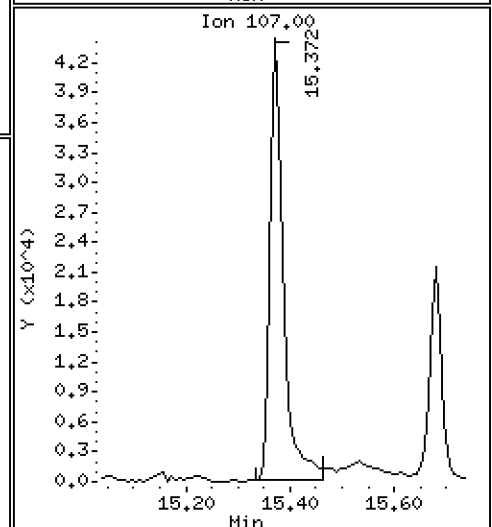
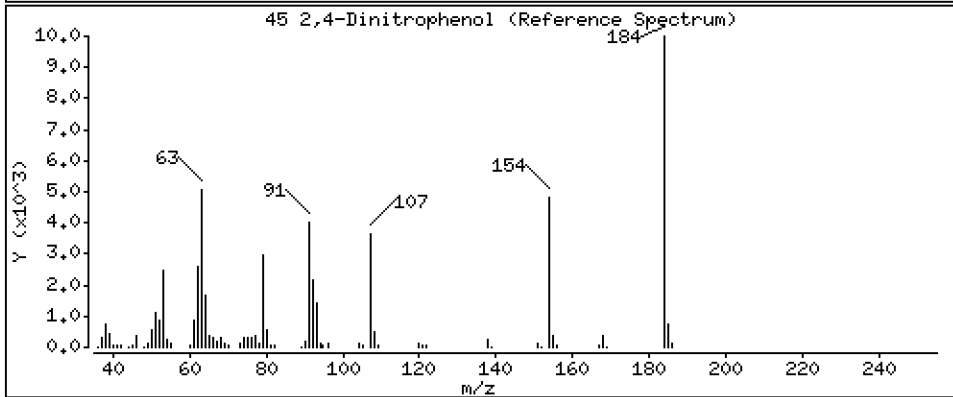
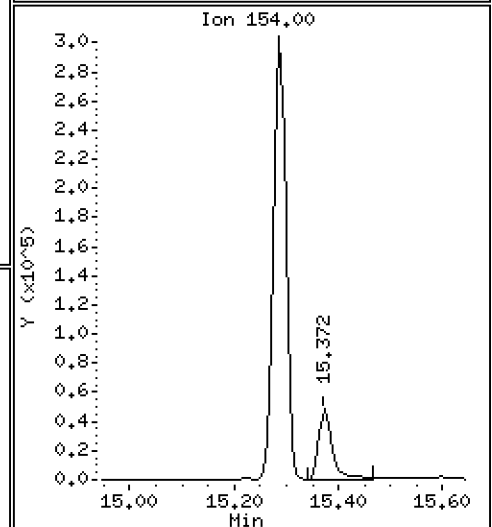
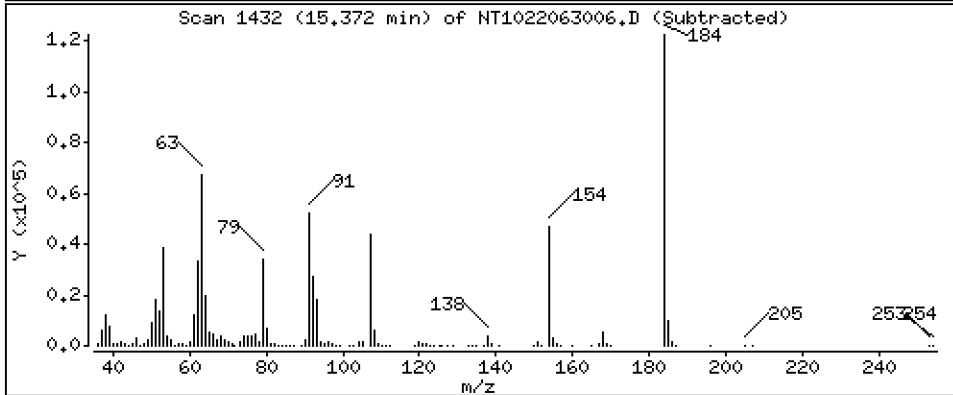
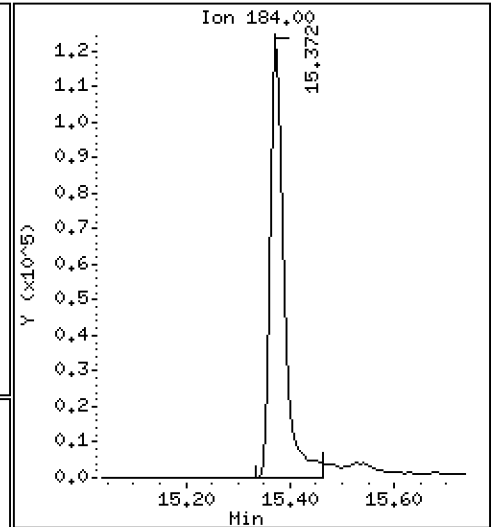
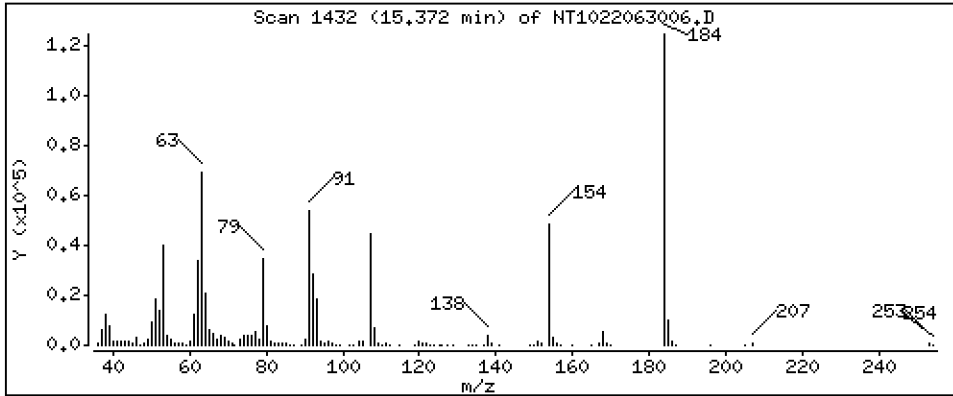
Operator: VTS

Column phase: ZB-5msi

Column diameter: 0,25

45 2,4-Dinitrophenol

Concentration: 13,17 ug/mL



Date : 30-JUN-2022 16:46

Client ID:

Instrument: nt10.i

Sample Info: BKF0469-BS1

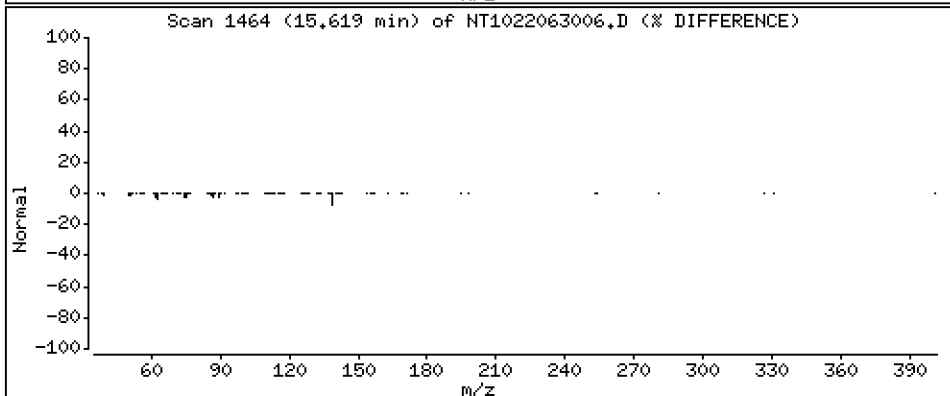
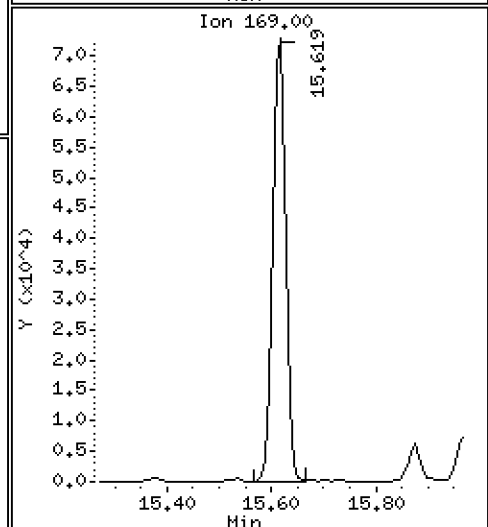
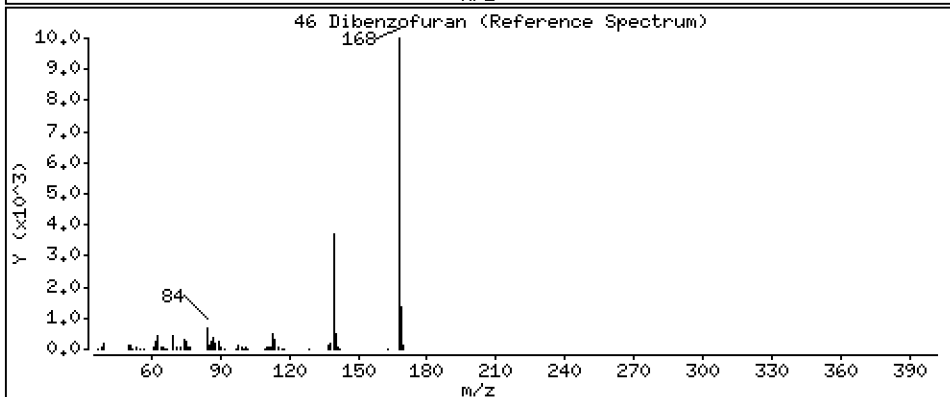
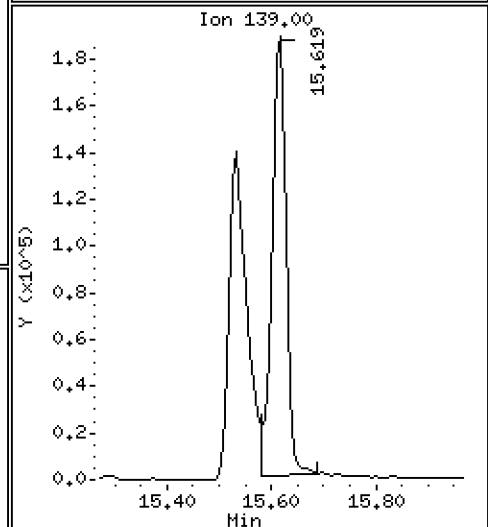
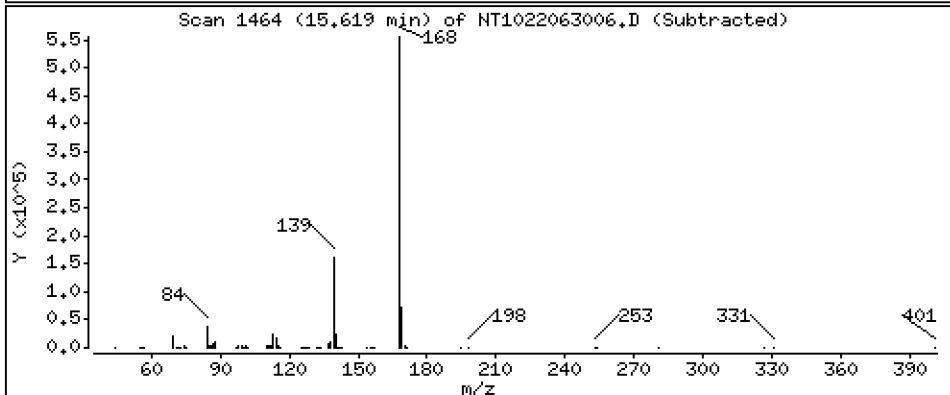
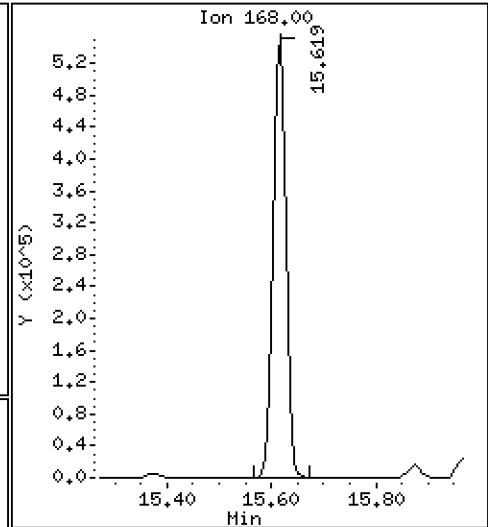
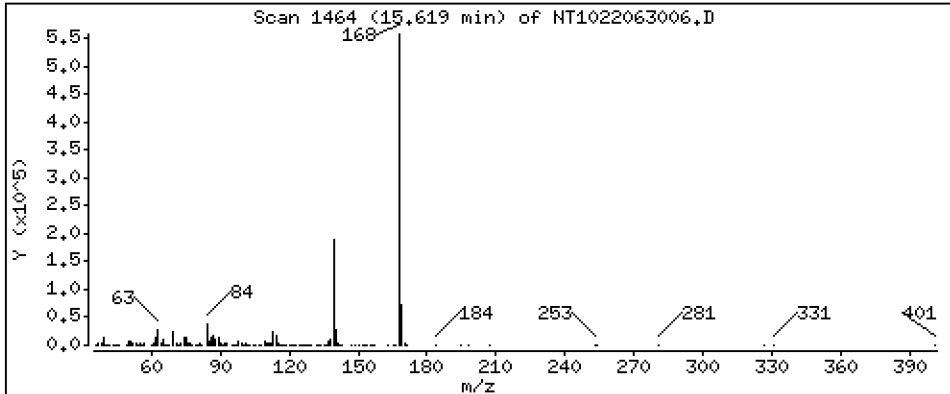
Operator: VTS

Column phase: ZB-5msi

Column diameter: 0,25

46 Dibenzofuran

Concentration: 4,270 ug/mL



Date : 30-JUN-2022 16:46

Client ID:

Instrument: nt10.i

Sample Info: BKF0469-BS1

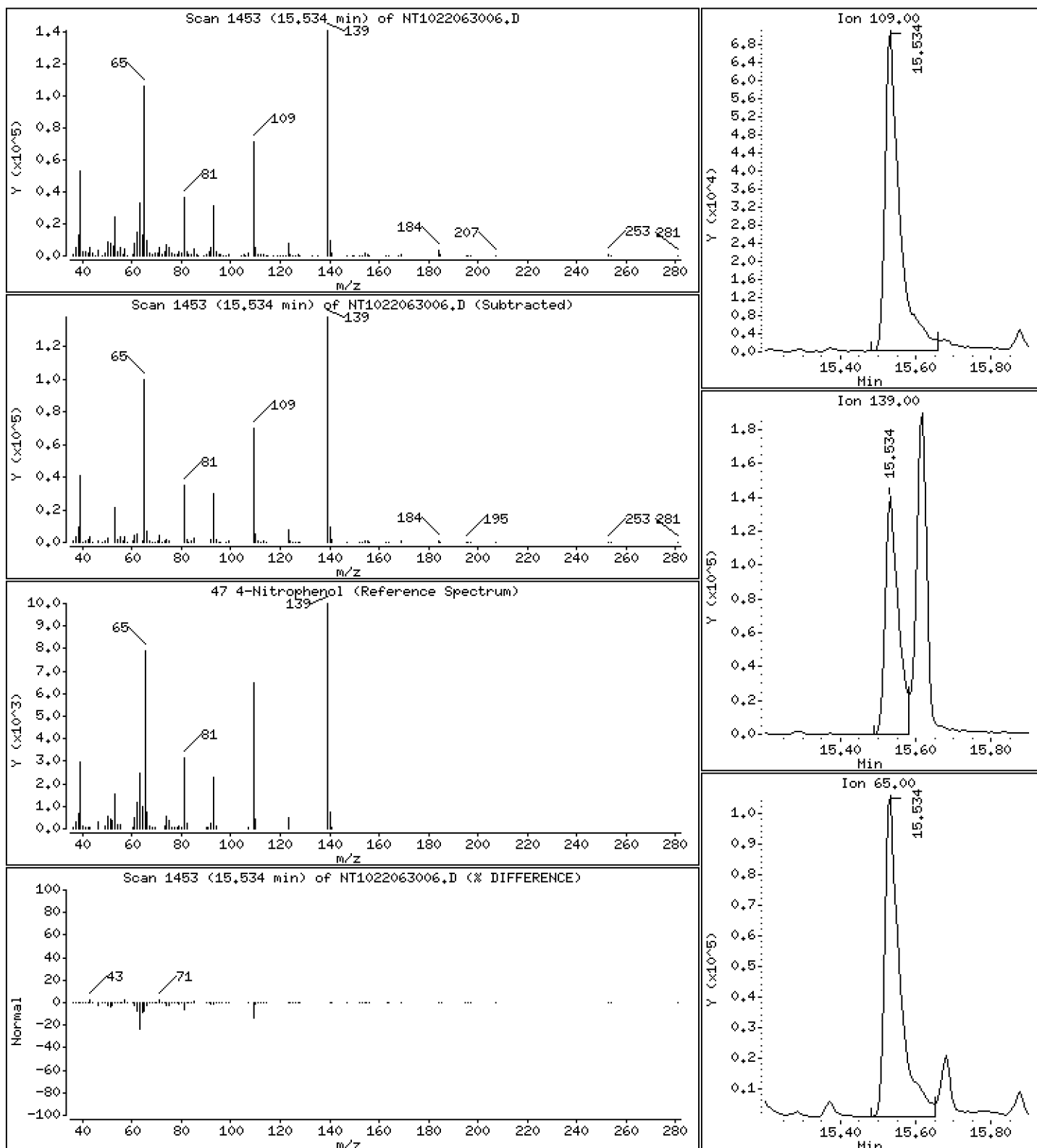
Operator: VTS

Column phase: ZB-5msi

Column diameter: 0,25

47 4-Nitrophenol

Concentration: 12,85 ug/mL



Date : 30-JUN-2022 16:46

Client ID:

Instrument: nt10.i

Sample Info: BKF0469-BS1

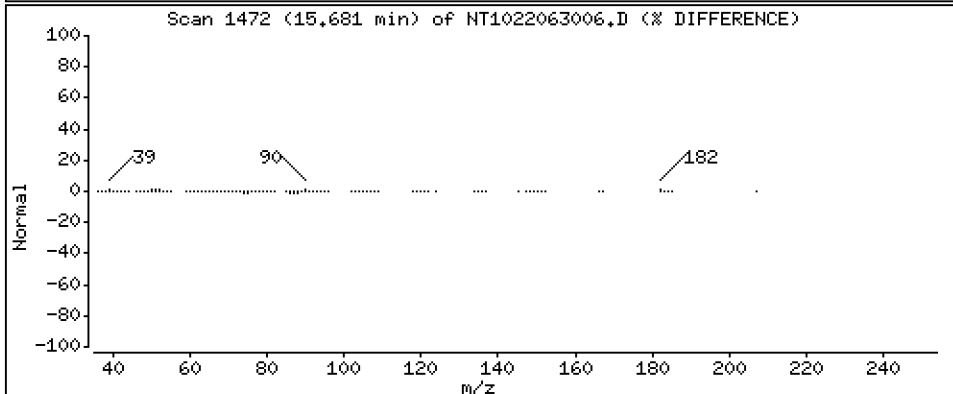
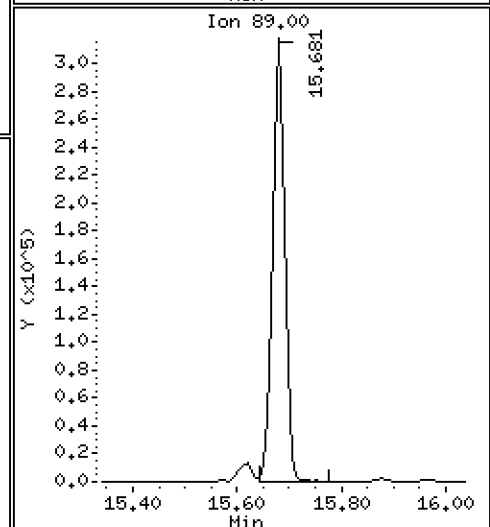
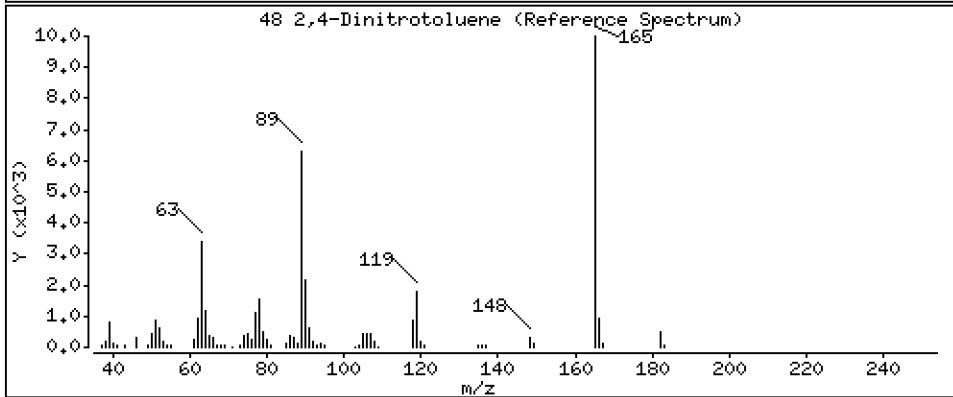
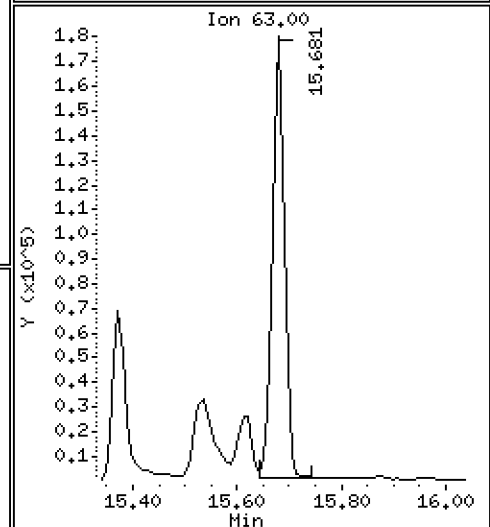
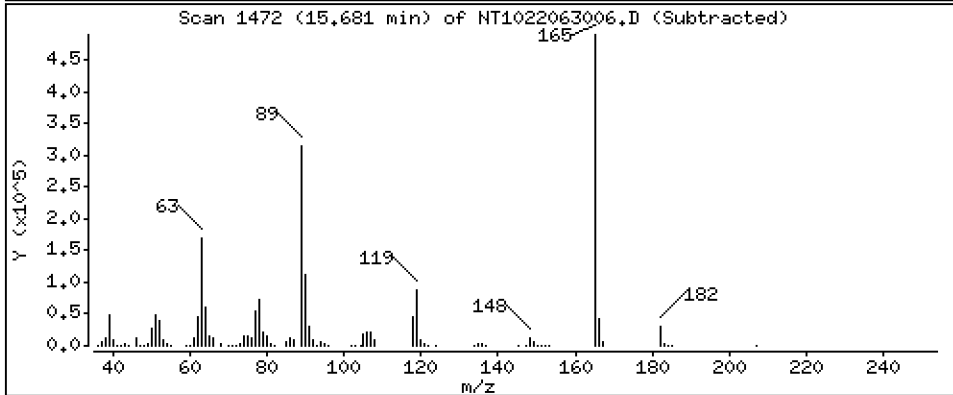
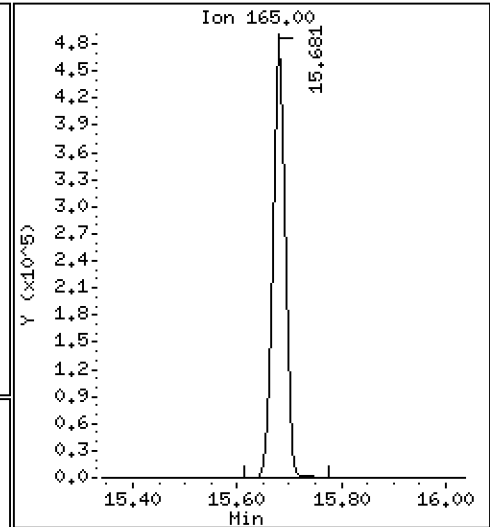
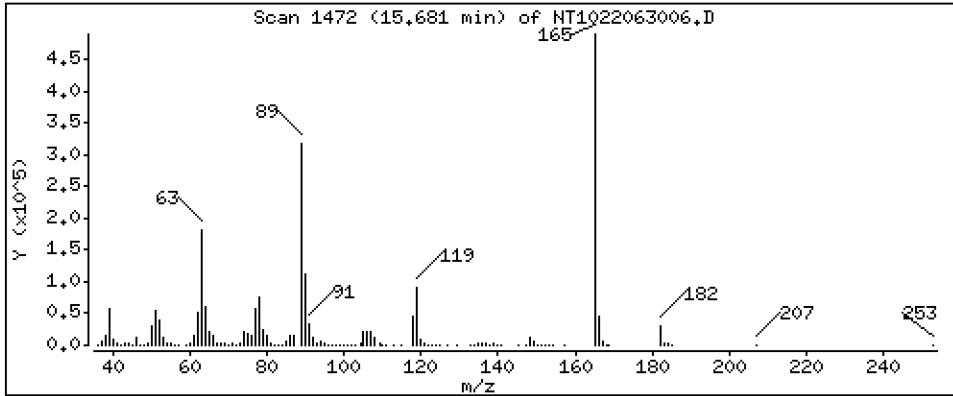
Operator: VTS

Column phase: ZB-5msi

Column diameter: 0,25

48 2,4-Dinitrotoluene

Concentration: 15,65 ug/mL



Date : 30-JUN-2022 16:46

Client ID:

Instrument: nt10.i

Sample Info: BKF0469-BS1

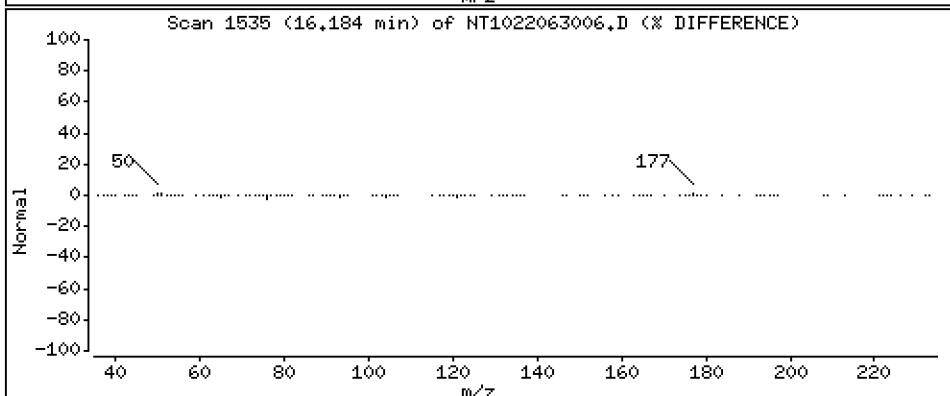
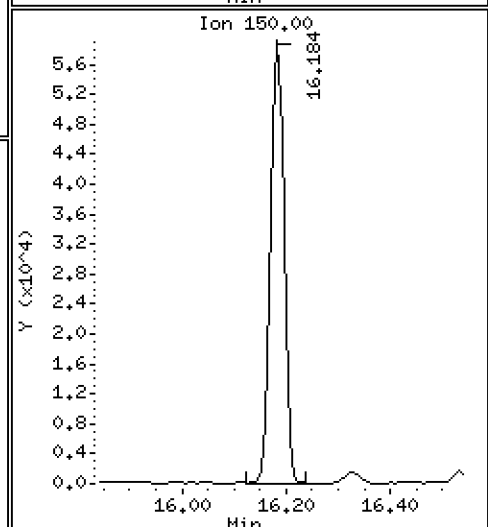
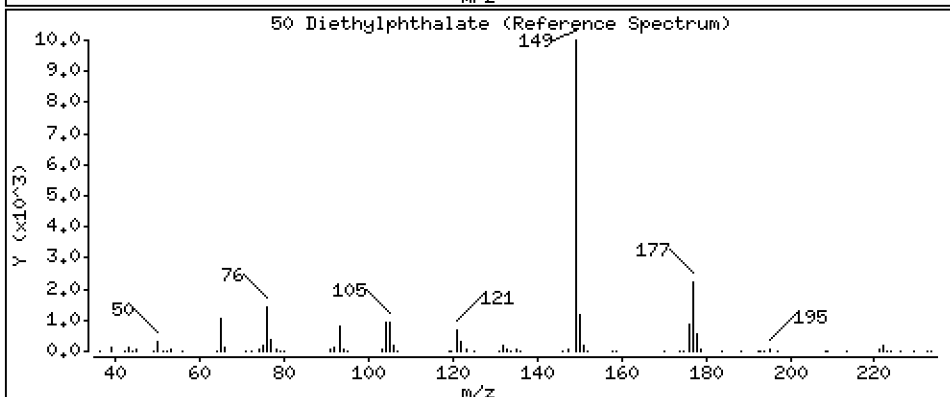
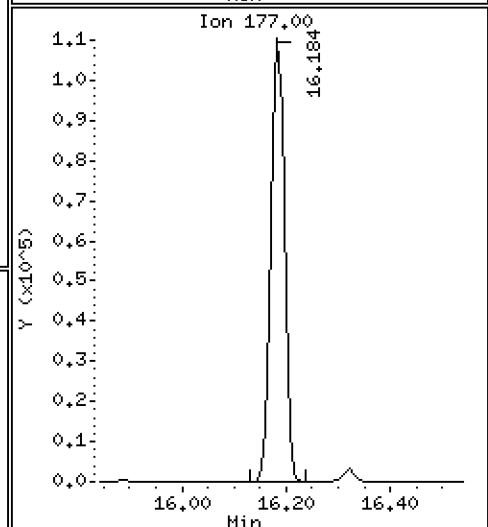
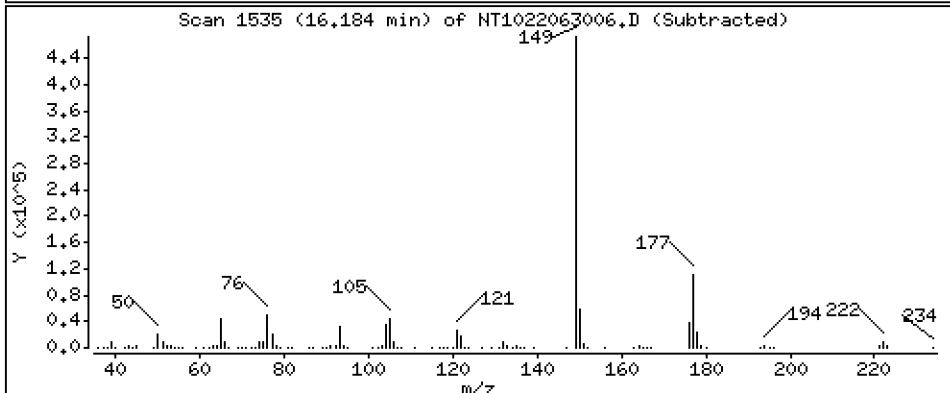
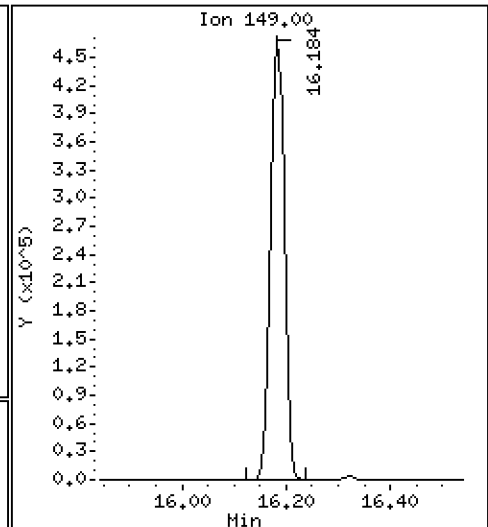
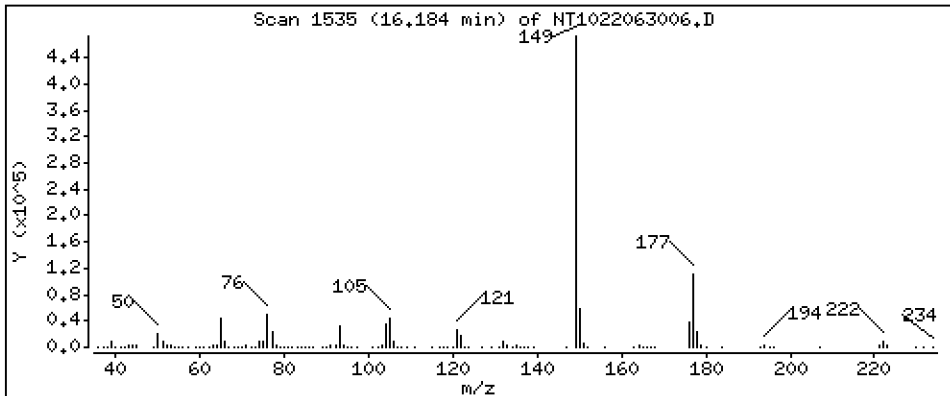
Operator: VTS

Column phase: ZB-5msi

Column diameter: 0,25

50 Diethylphthalate

Concentration: 6,061 ug/mL



Date : 30-JUN-2022 16:46

Client ID:

Instrument: nt10.i

Sample Info: BKF0469-BS1

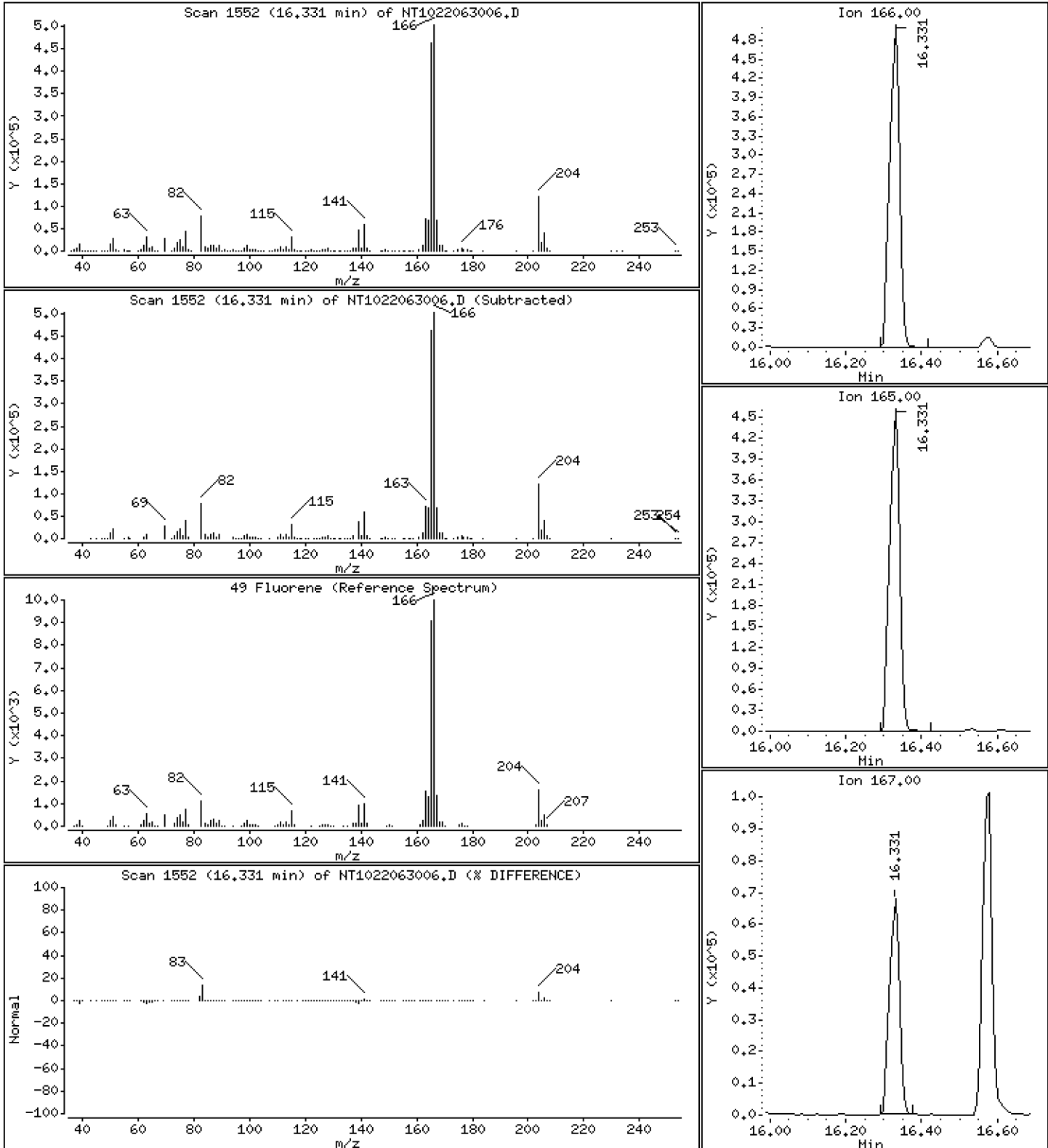
Operator: VTS

Column phase: ZB-5msi

Column diameter: 0,25

49 Fluorene

Concentration: 3,110 ug/mL



Date : 30-JUN-2022 16:46

Client ID:

Instrument: nt10.i

Sample Info: BKF0469-BS1

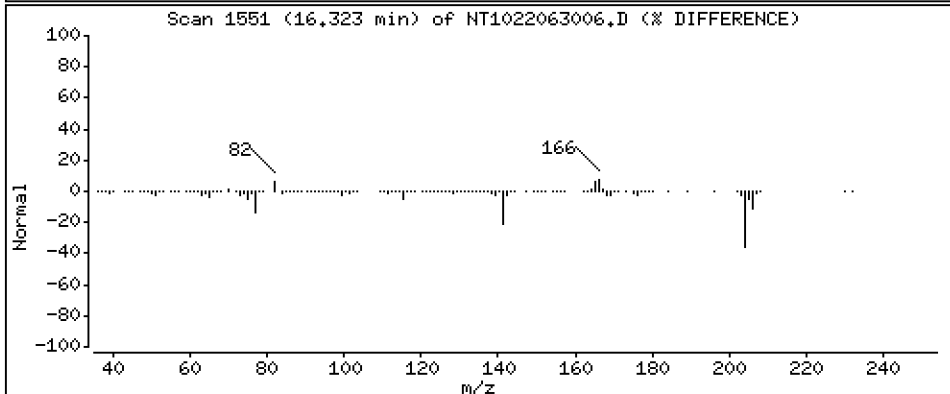
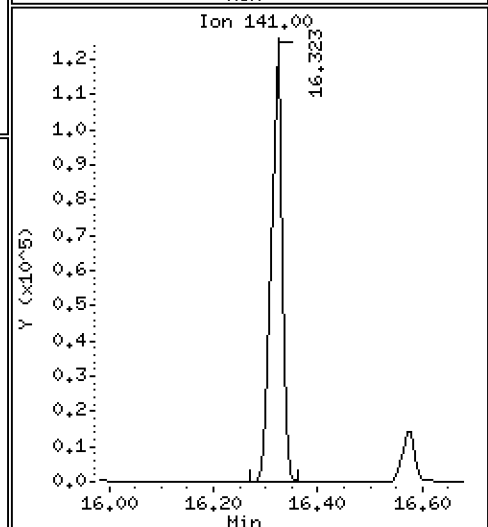
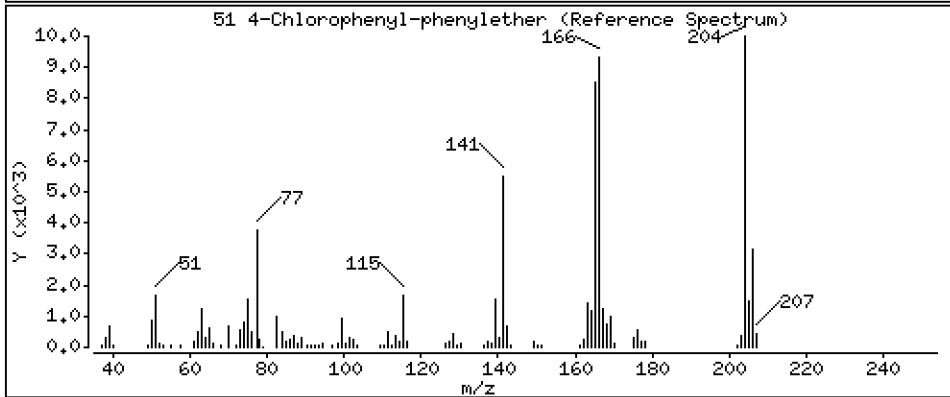
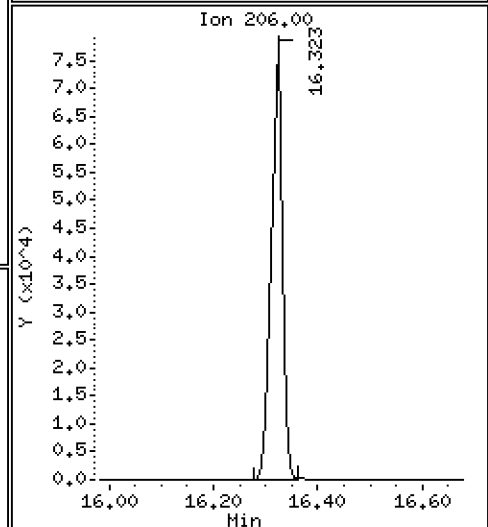
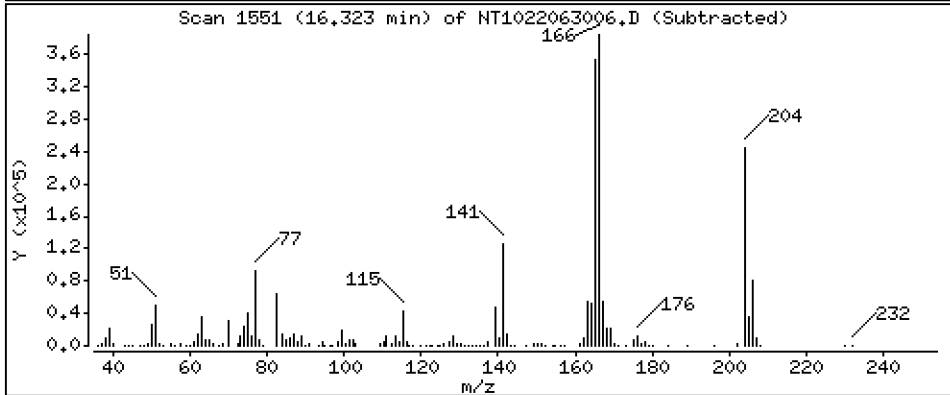
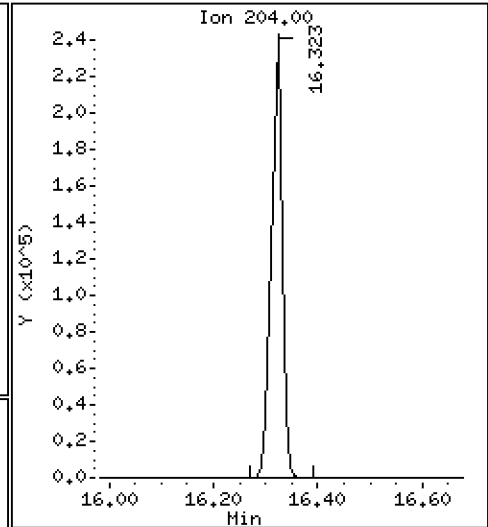
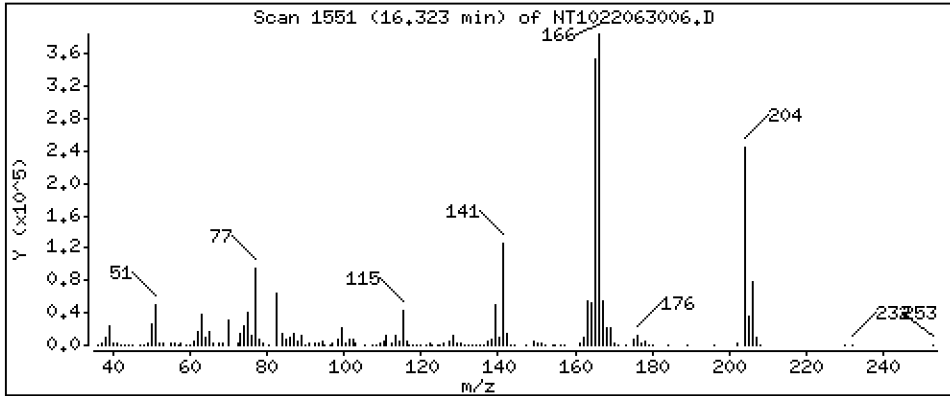
Operator: VTS

Column phase: ZB-5msi

Column diameter: 0,25

51 4-Chlorophenyl-phenylether

Concentration: 2,163 ug/mL



Date : 30-JUN-2022 16:46

Client ID:

Instrument: nt10.i

Sample Info: BKF0469-BS1

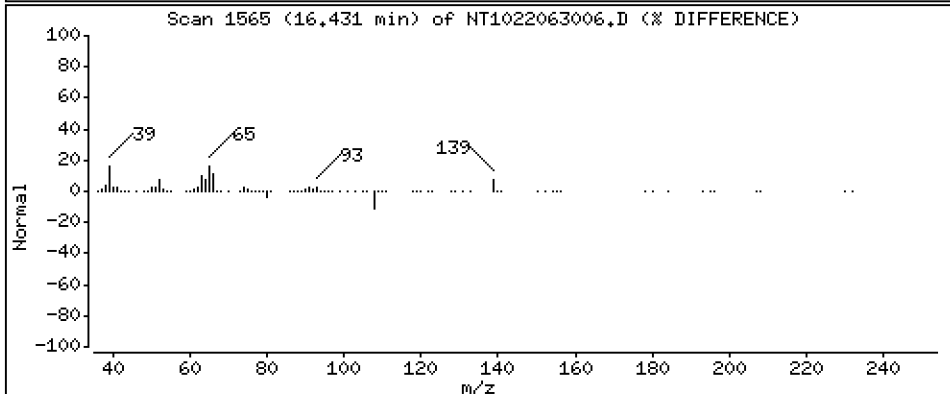
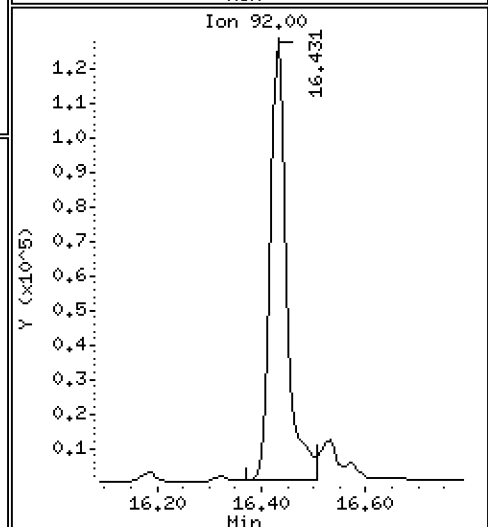
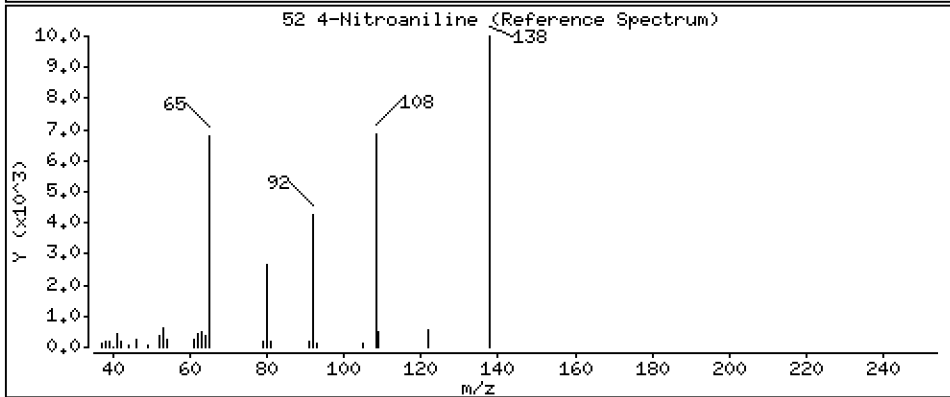
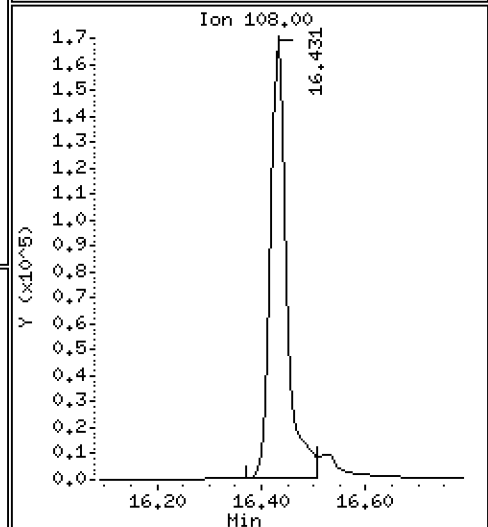
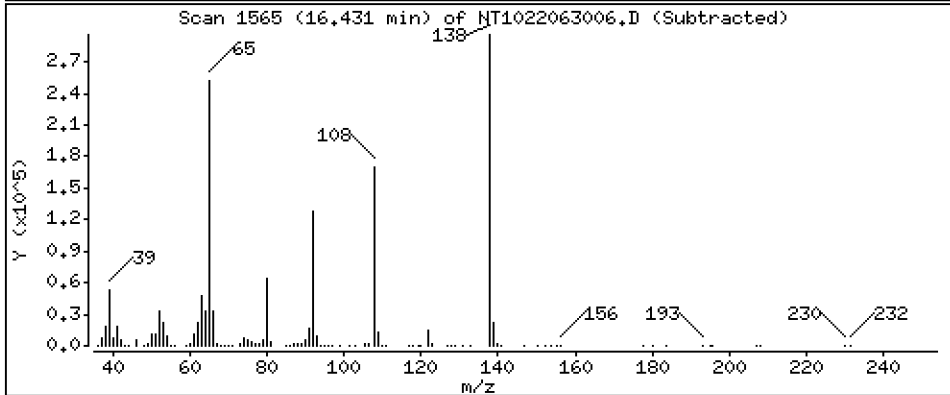
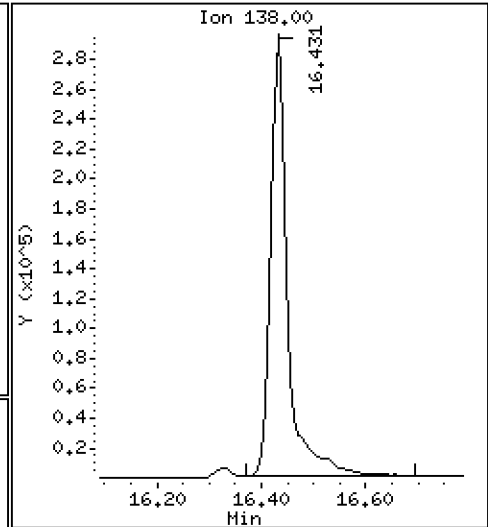
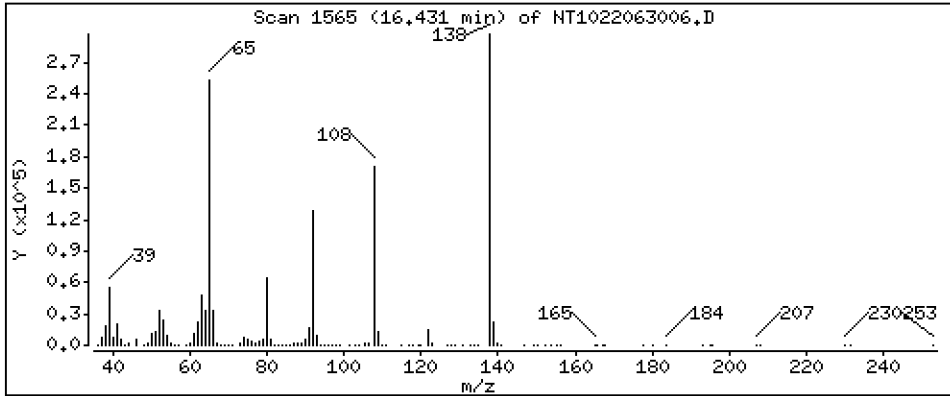
Operator: VTS

Column phase: ZB-5msi

Column diameter: 0,25

52 4-Nitroaniline

Concentration: 14,74 ug/mL



Date : 30-JUN-2022 16:46

Client ID:

Instrument: nt10.i

Sample Info: BKF0469-BS1

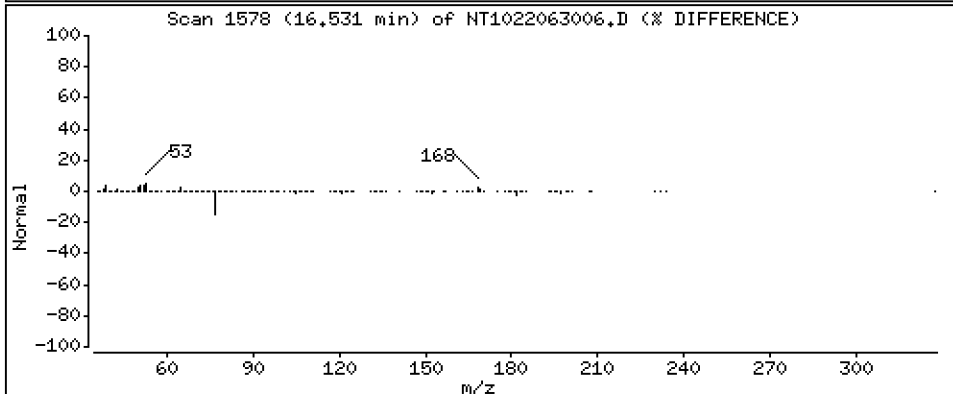
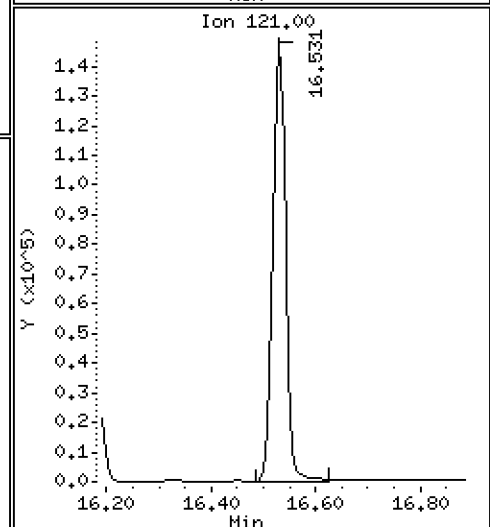
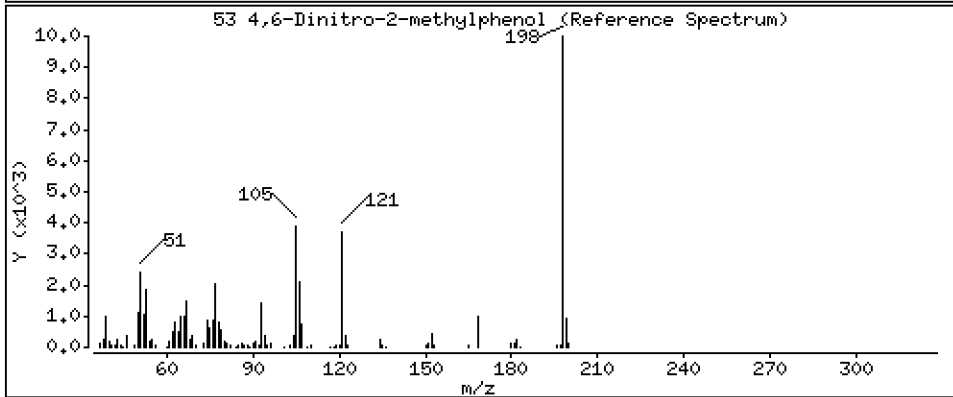
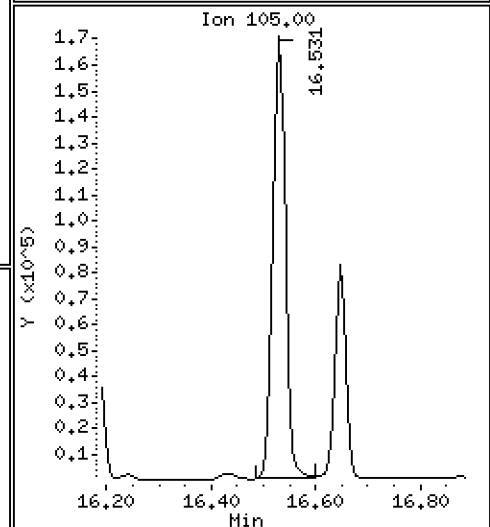
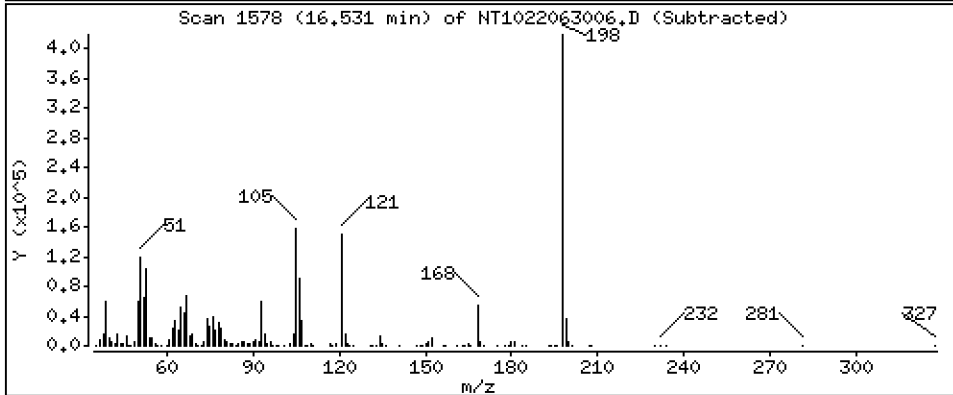
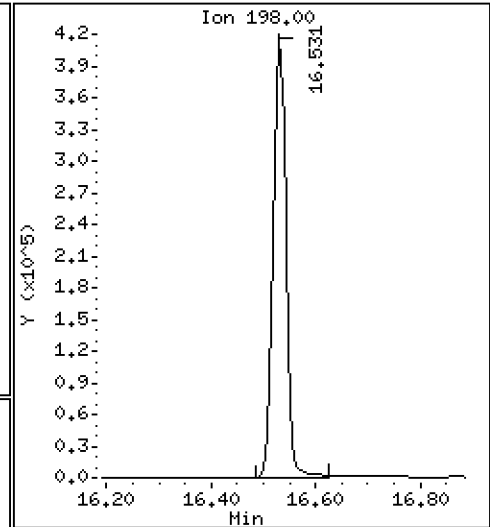
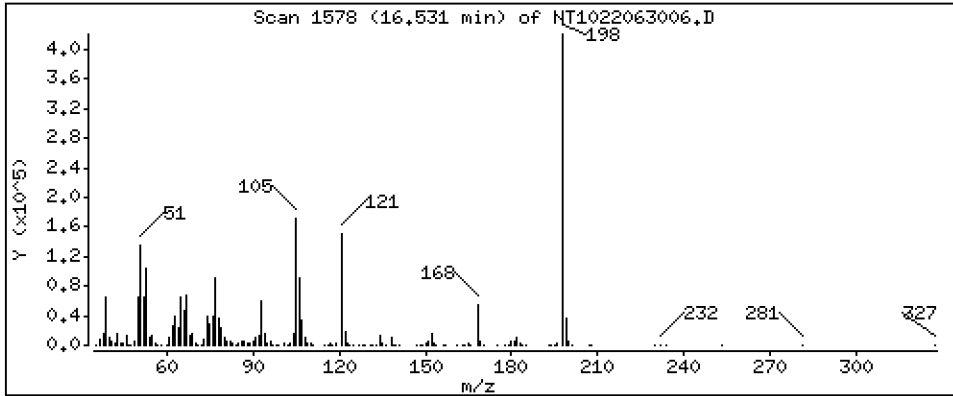
Operator: VTS

Column phase: ZB-5msi

Column diameter: 0,25

53 4,6-Dinitro-2-methylphenol

Concentration: 22,62 ug/mL



Date : 30-JUN-2022 16:46

Client ID:

Instrument: nt10.i

Sample Info: BKF0469-BS1

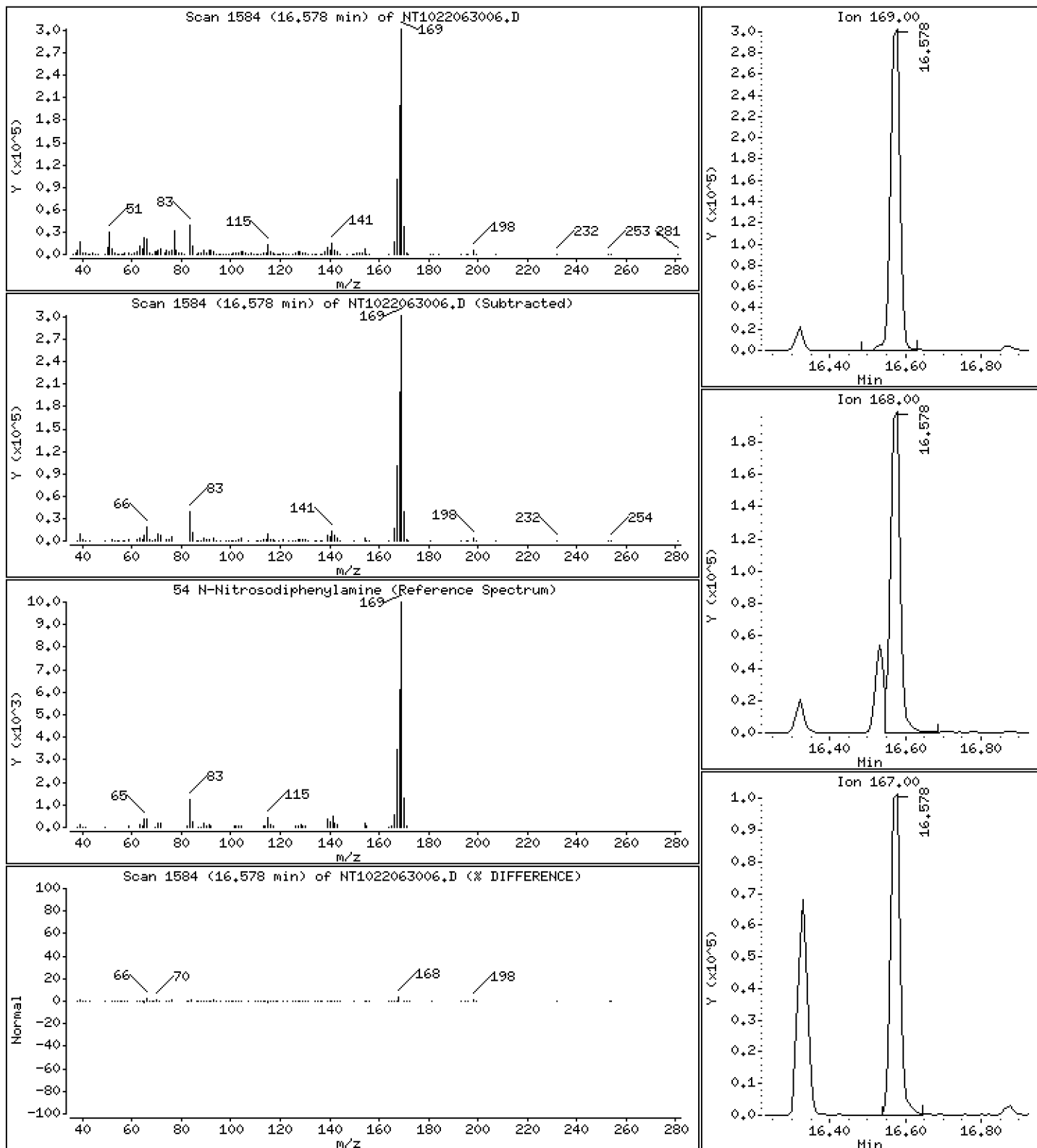
Operator: VTS

Column phase: ZB-5msi

Column diameter: 0,25

54 N-Nitrosodiphenylamine

Concentration: 4,102 ug/mL



Date : 30-JUN-2022 16:46

Client ID:

Instrument: nt10.i

Sample Info: BKF0469-BS1

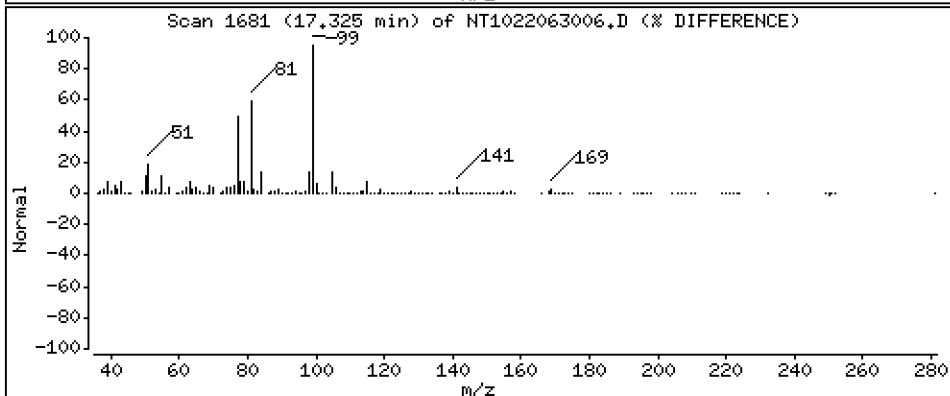
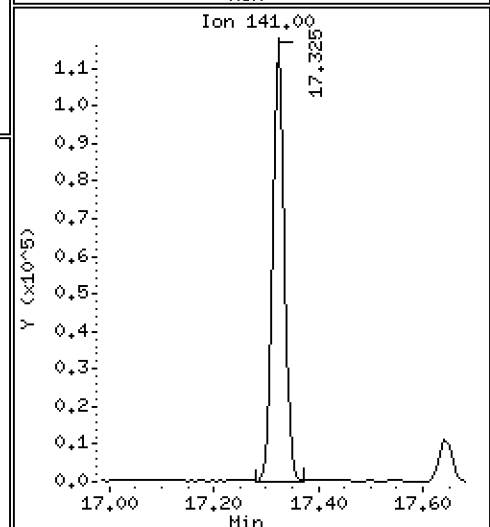
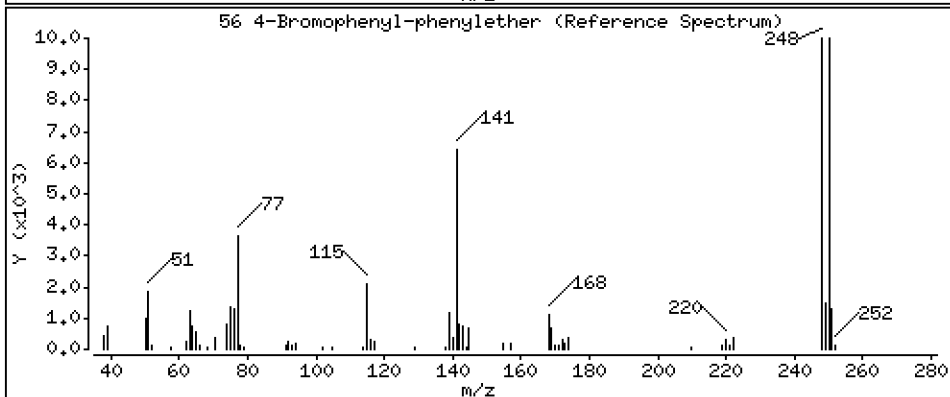
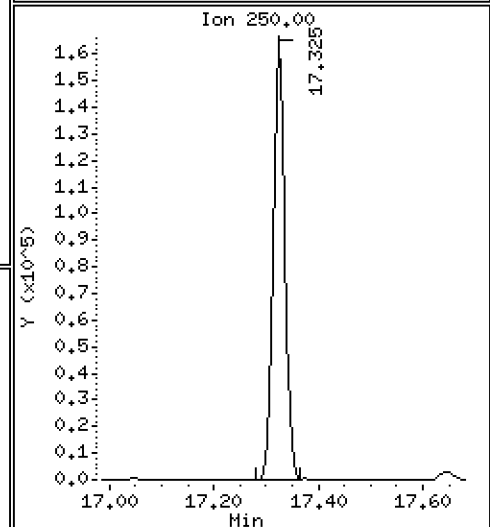
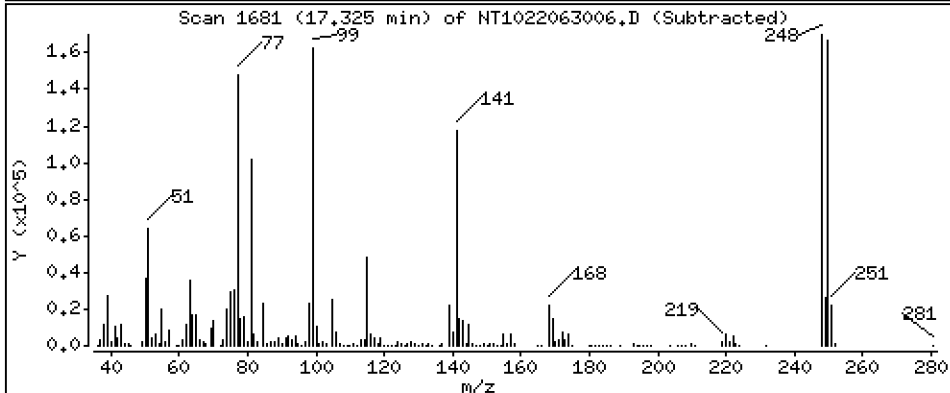
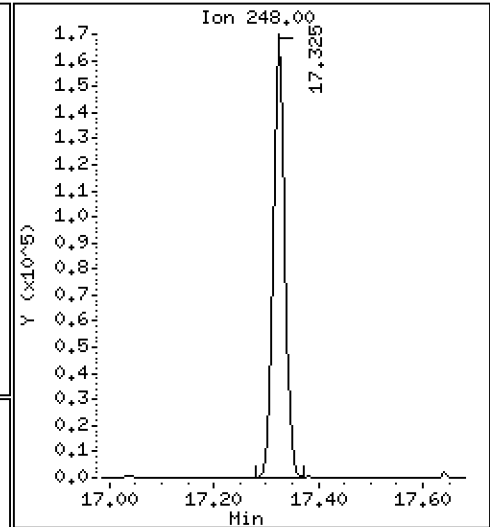
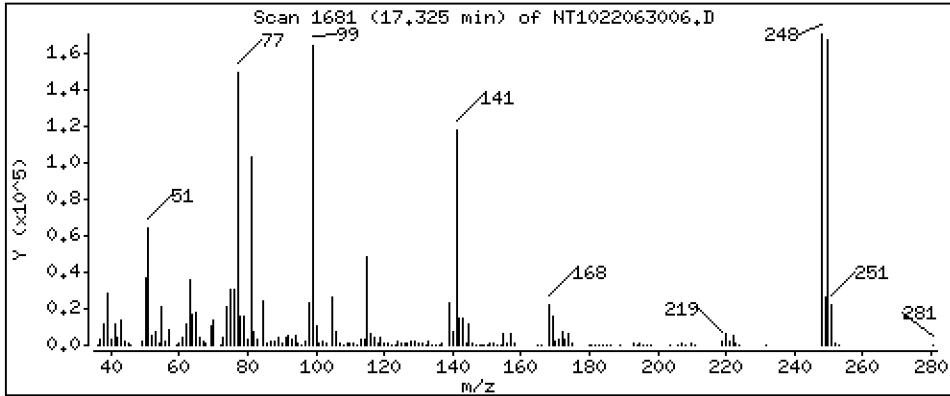
Operator: VTS

Column phase: ZB-5msi

Column diameter: 0,25

56 4-Bromophenyl-phenylether

Concentration: 4,732 ug/mL



Date : 30-JUN-2022 16:46

Client ID:

Instrument: nt10.i

Sample Info: BKF0469-BS1

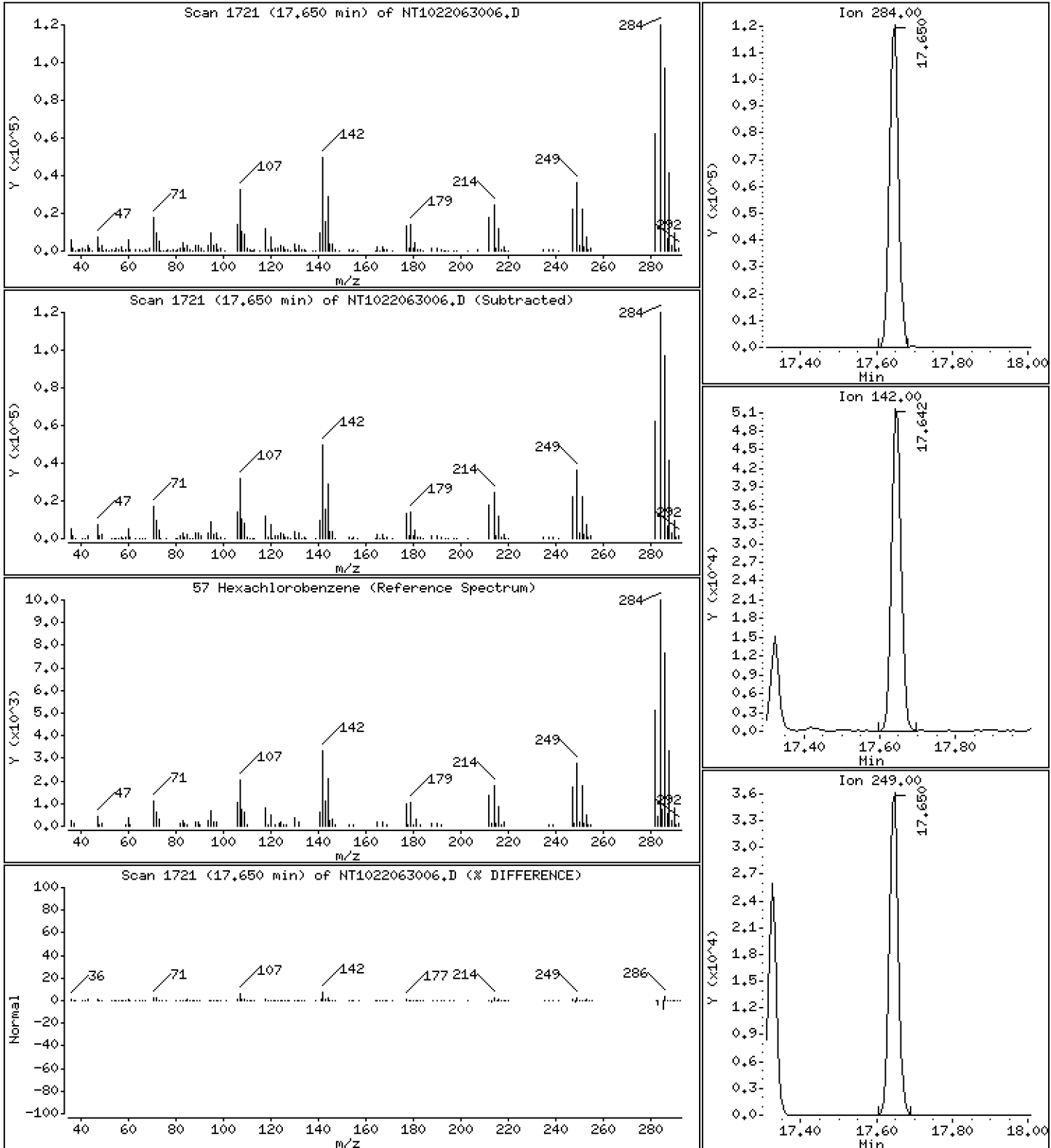
Operator: VTS

Column phase: ZB-5msi

Column diameter: 0,25

57 Hexachlorobenzene

Concentration: 4,065 ug/mL



Date : 30-JUN-2022 16:46

Client ID:

Instrument: nt10.i

Sample Info: BKF0469-BS1

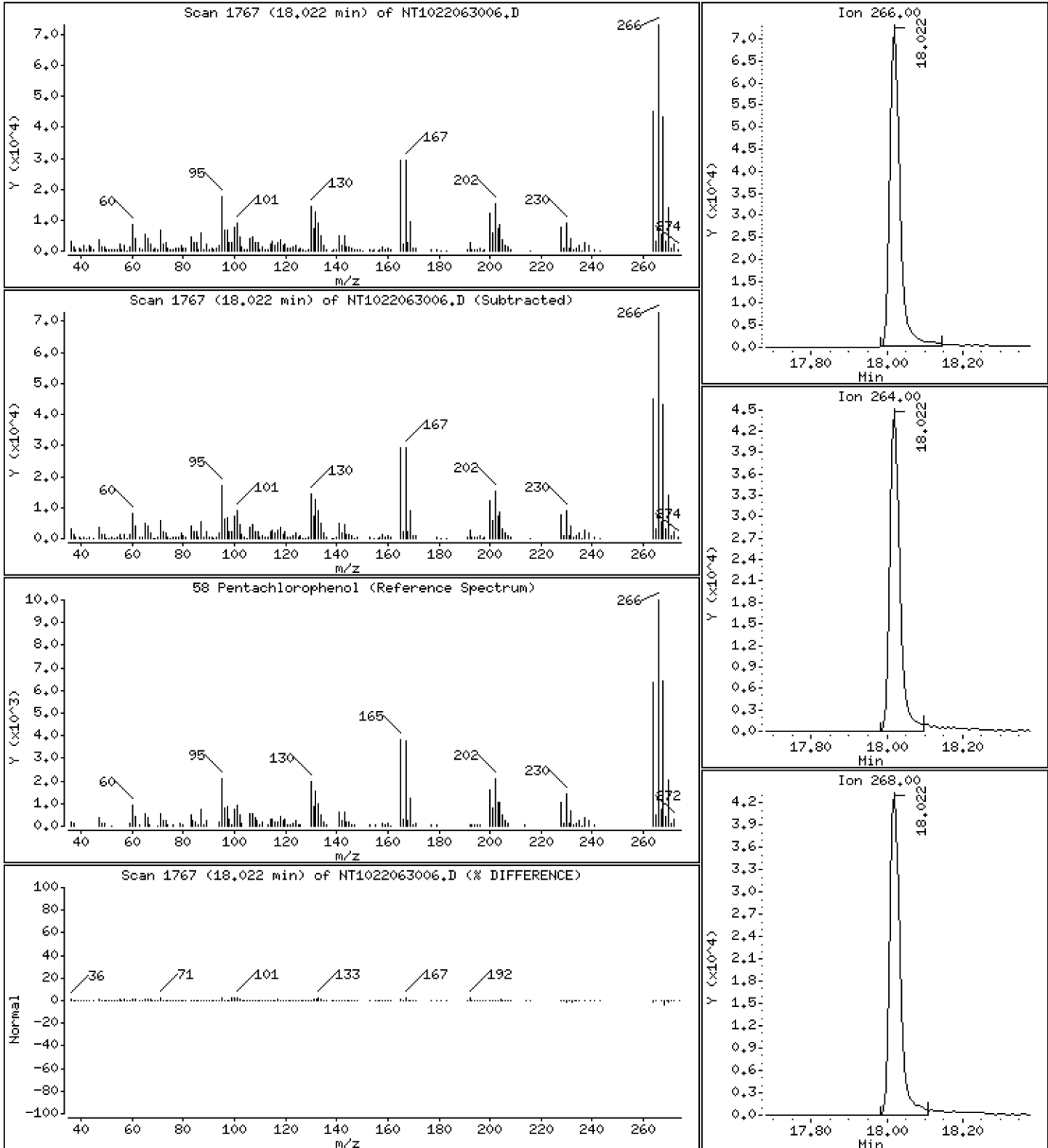
Operator: VTS

Column phase: ZB-5msi

Column diameter: 0,25

58 Pentachlorophenol

Concentration: 10,73 ug/mL



Date : 30-JUN-2022 16:46

Client ID:

Instrument: nt10.i

Sample Info: BKF0469-BS1

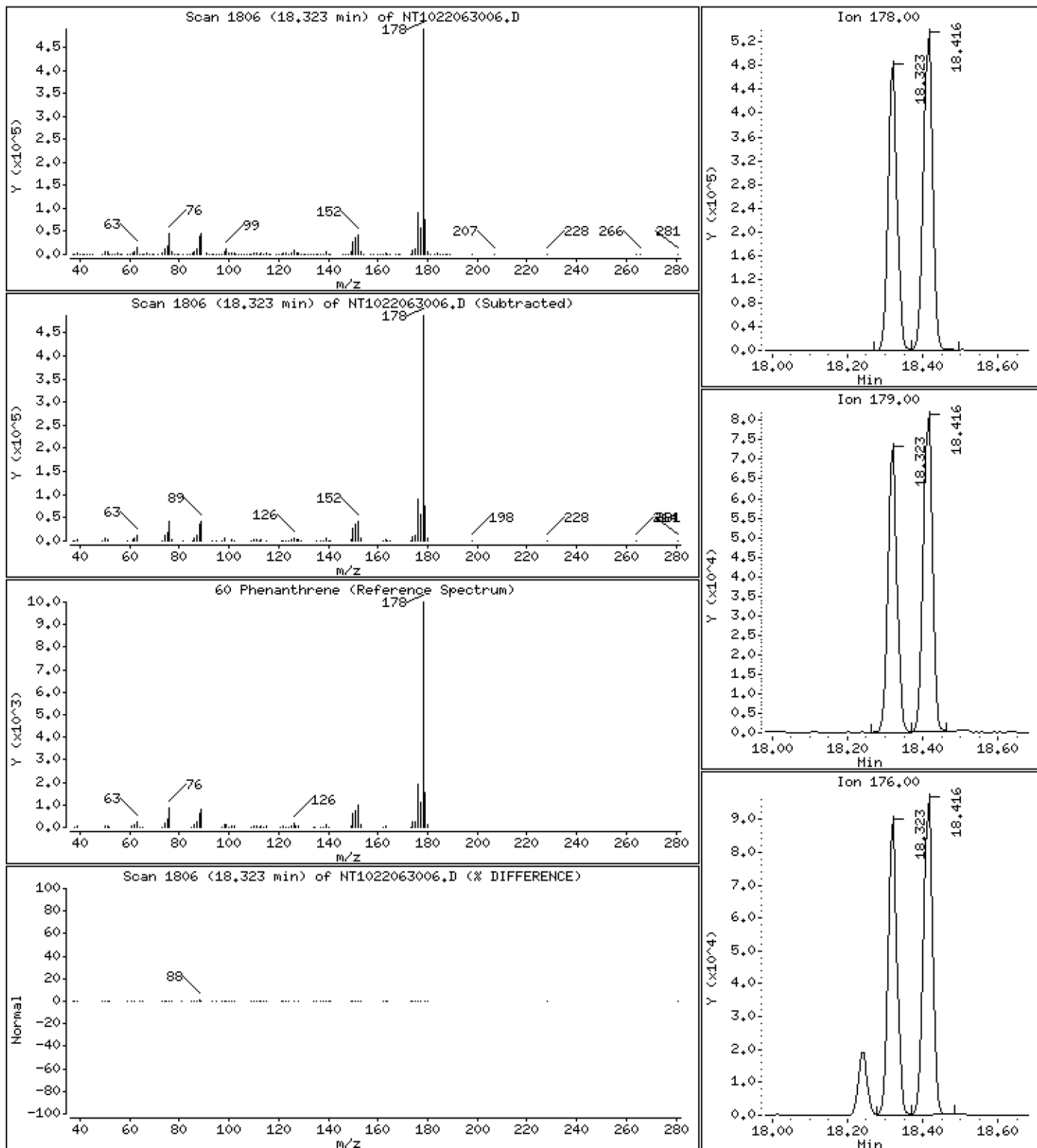
Operator: VTS

Column phase: ZB-5msi

Column diameter: 0,25

60 Phenanthrene

Concentration: 3,947 ug/mL



Date : 30-JUN-2022 16:46

Client ID:

Instrument: nt10.i

Sample Info: BKF0469-BS1

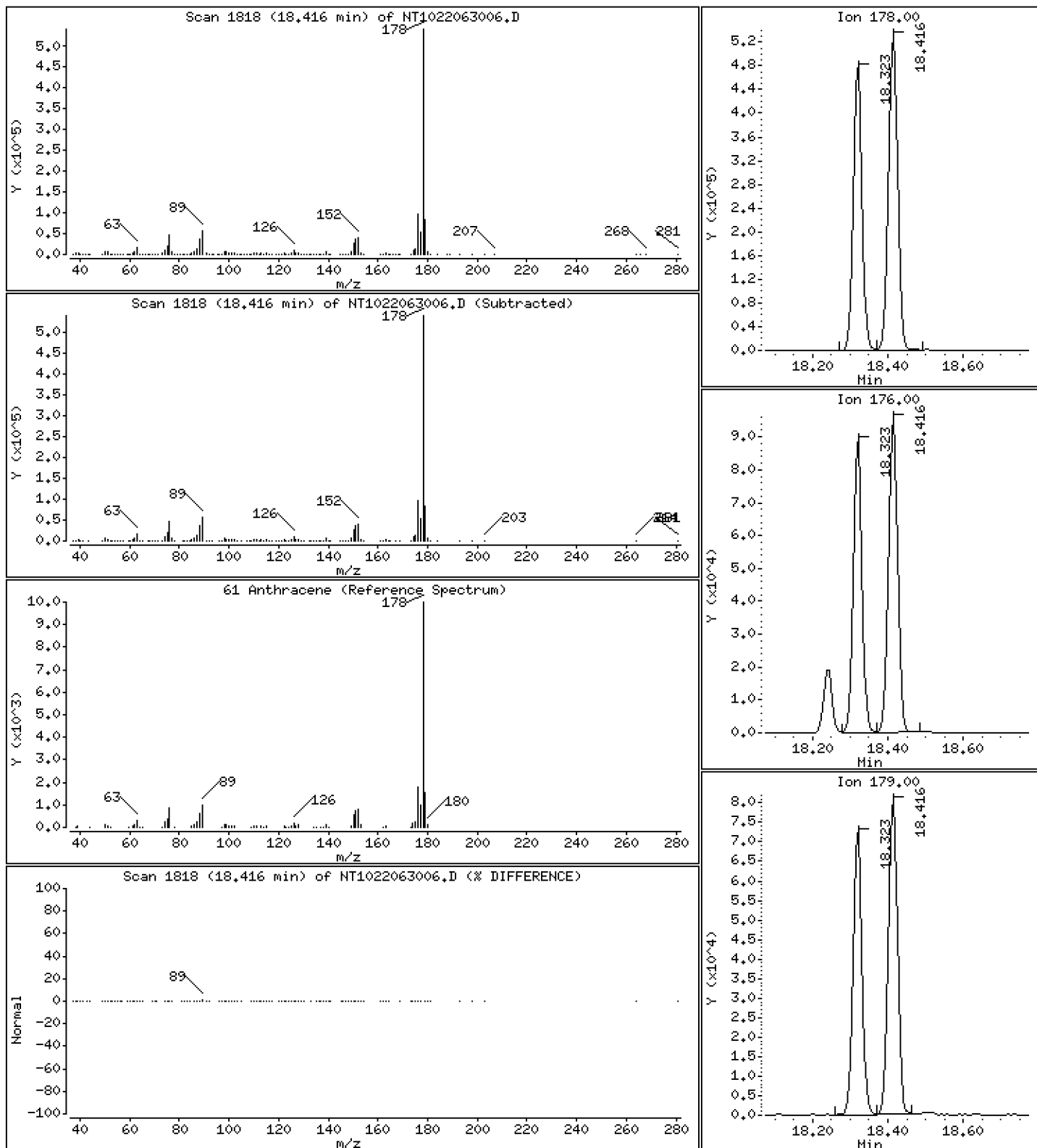
Operator: VTS

Column phase: ZB-5msi

Column diameter: 0,25

61 Anthracene

Concentration: 4,000 ug/mL



Date : 30-JUN-2022 16:46

Client ID:

Instrument: nt10.i

Sample Info: BKF0469-BS1

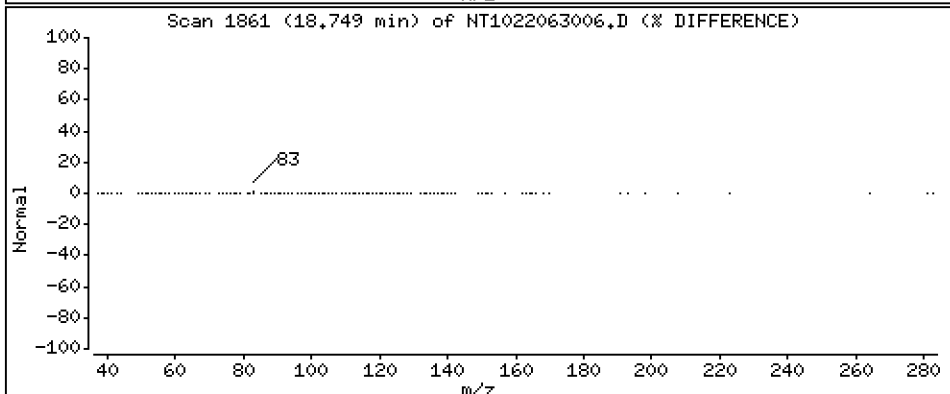
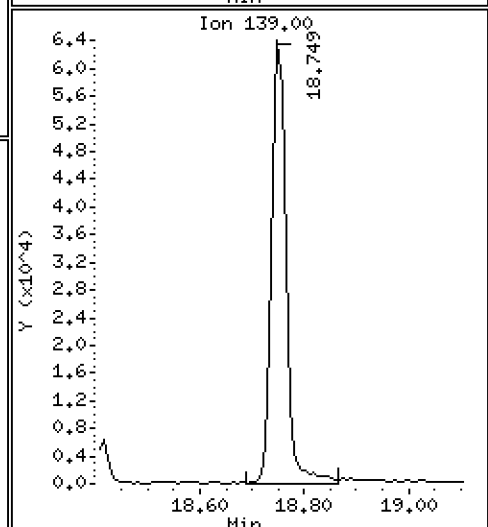
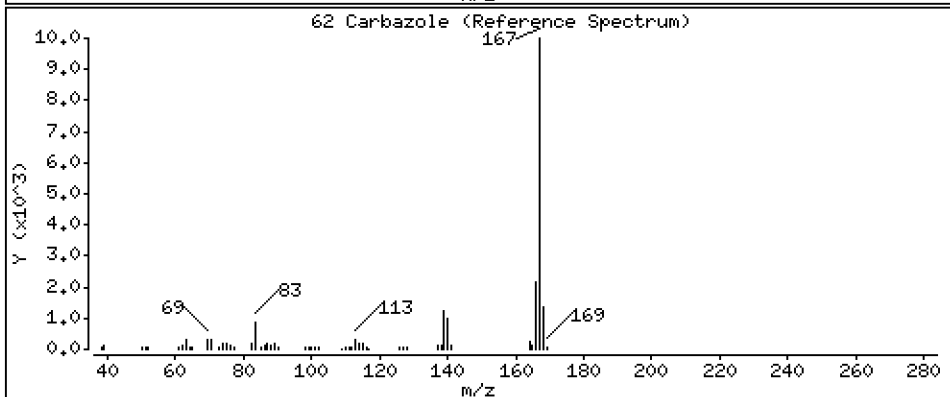
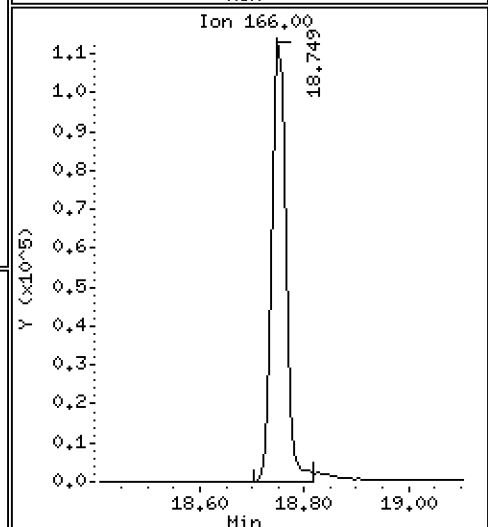
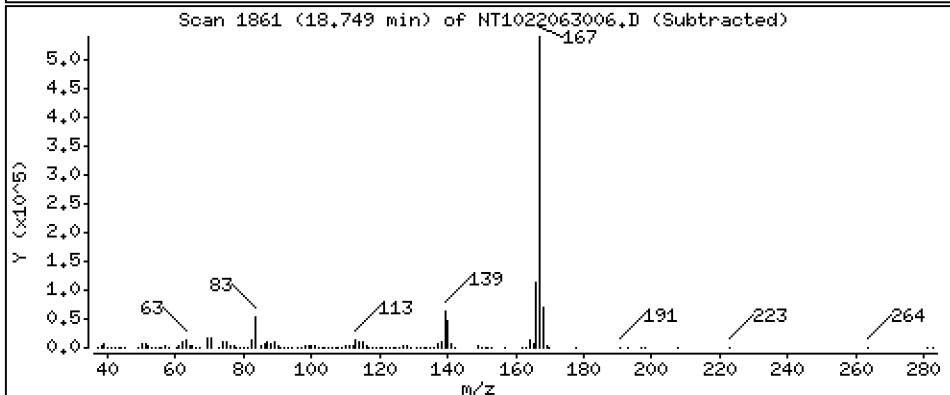
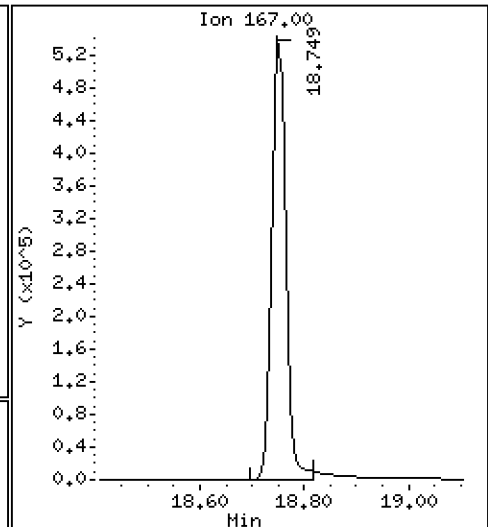
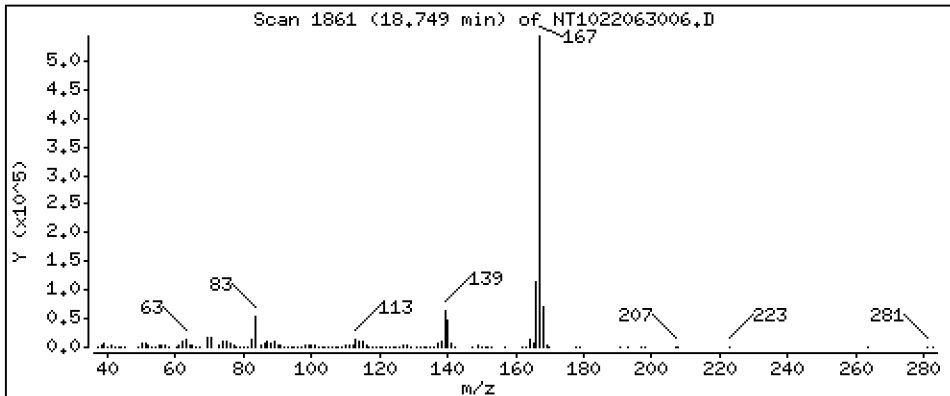
Operator: VTS

Column phase: ZB-5msi

Column diameter: 0,25

62 Carbazole

Concentration: 4,912 ug/mL



Date : 30-JUN-2022 16:46

Client ID:

Instrument: nt10.i

Sample Info: BKF0469-BS1

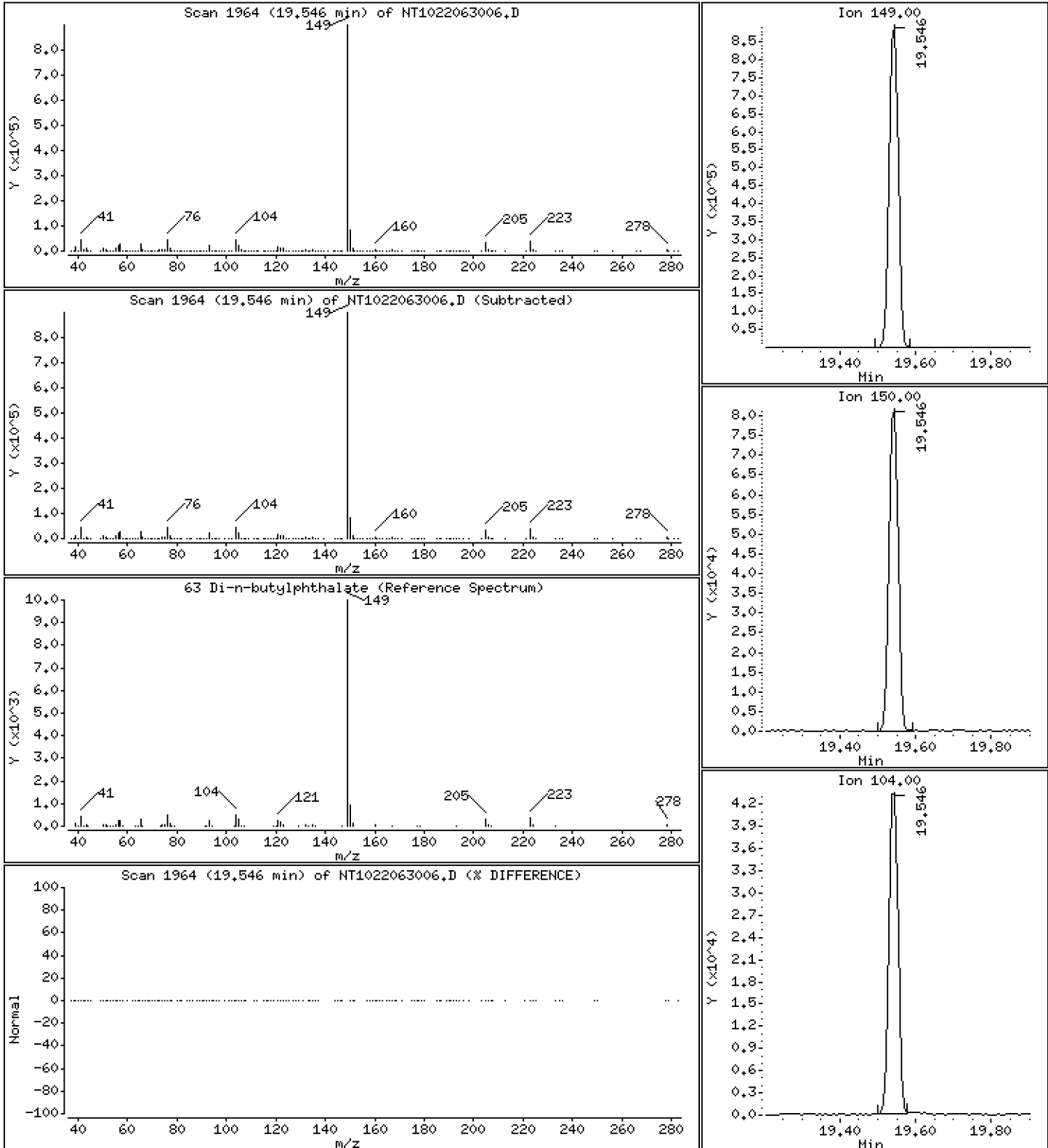
Operator: VTS

Column phase: ZB-5msi

Column diameter: 0,25

63 Di-n-butylphthalate

Concentration: 4,672 ug/mL



Date : 30-JUN-2022 16:46

Client ID:

Instrument: nt10.i

Sample Info: BKF0469-BS1

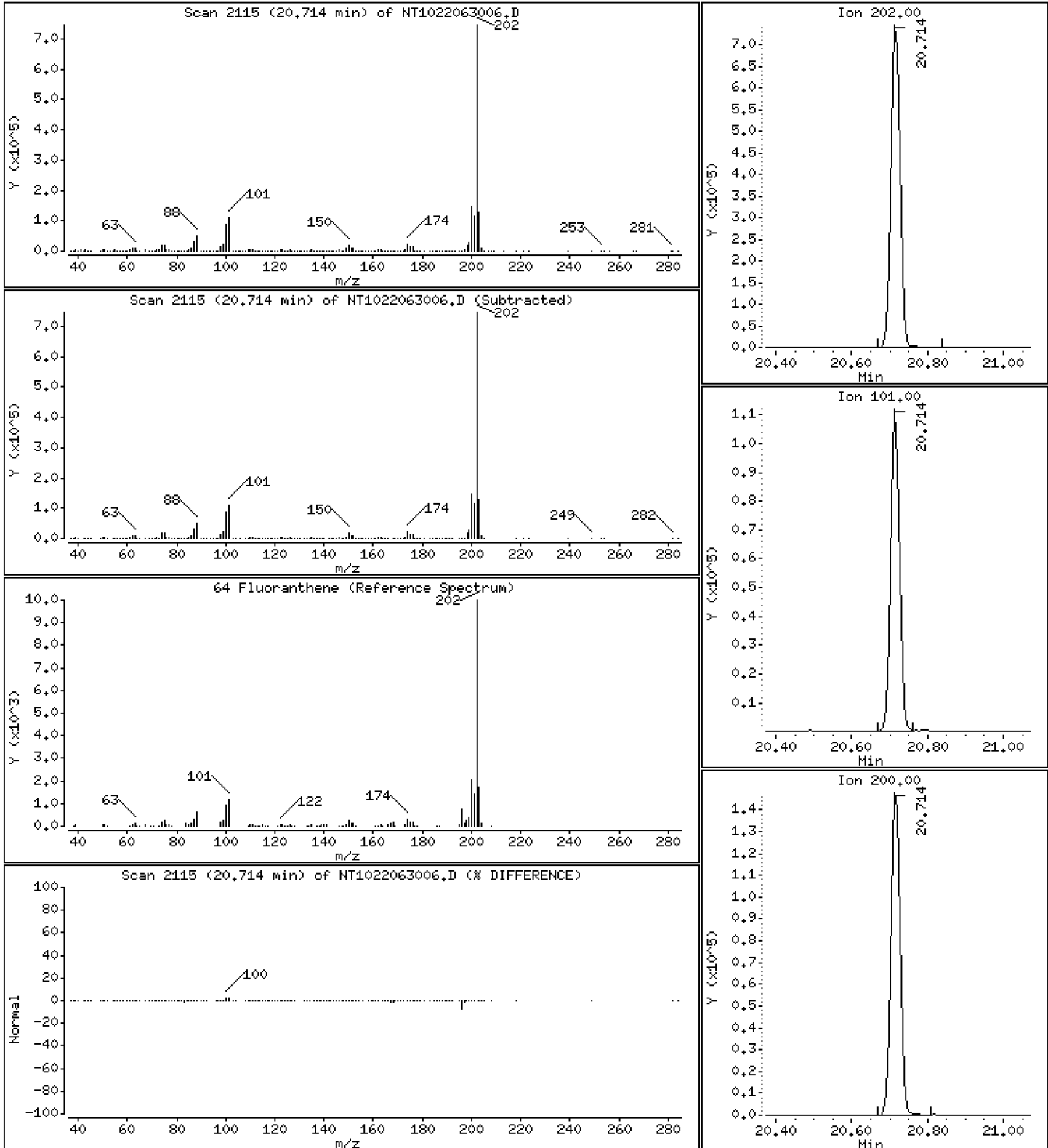
Operator: VTS

Column phase: ZB-5msi

Column diameter: 0,25

64 Fluoranthene

Concentration: 5,026 ug/mL



Date : 30-JUN-2022 16:46

Client ID:

Instrument: nt10.i

Sample Info: BKF0469-BS1

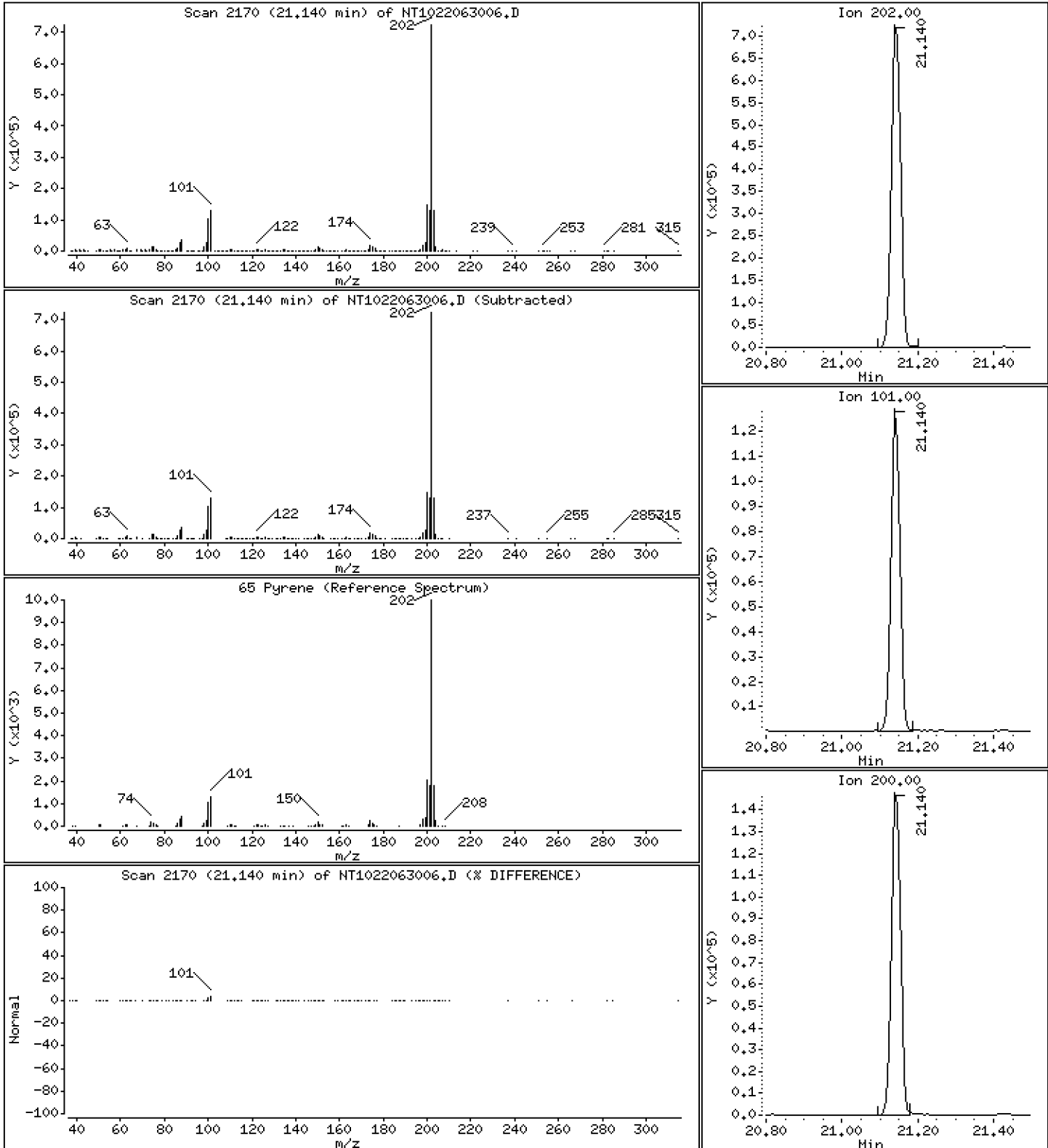
Operator: VTS

Column phase: ZB-5msi

Column diameter: 0,25

65 Pyrene

Concentration: 5,454 ug/mL



Date : 30-JUN-2022 16:46

Client ID:

Instrument: nt10.i

Sample Info: BKF0469-BS1

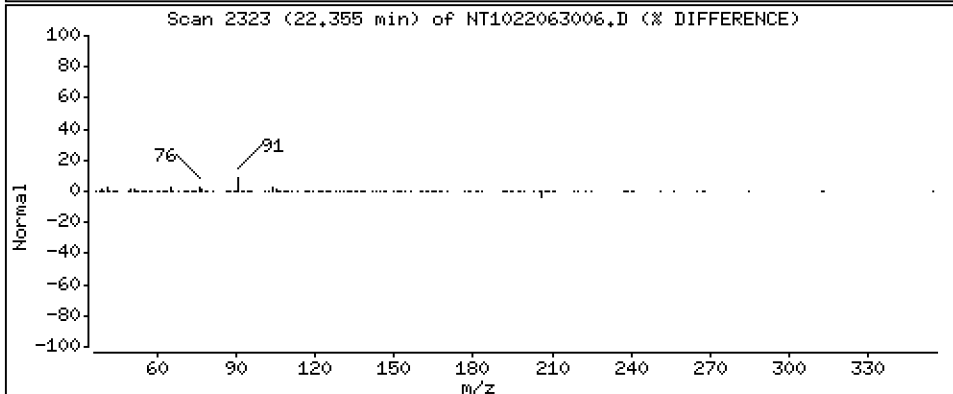
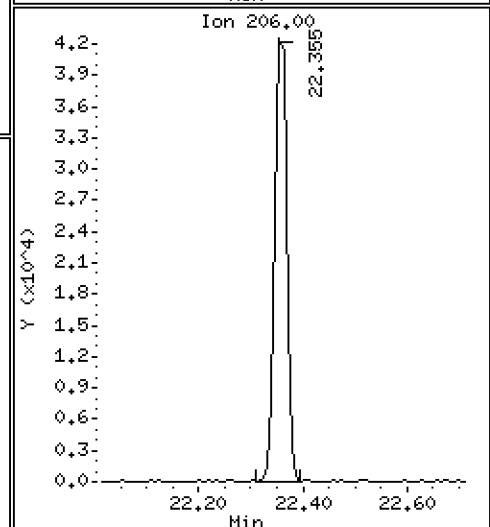
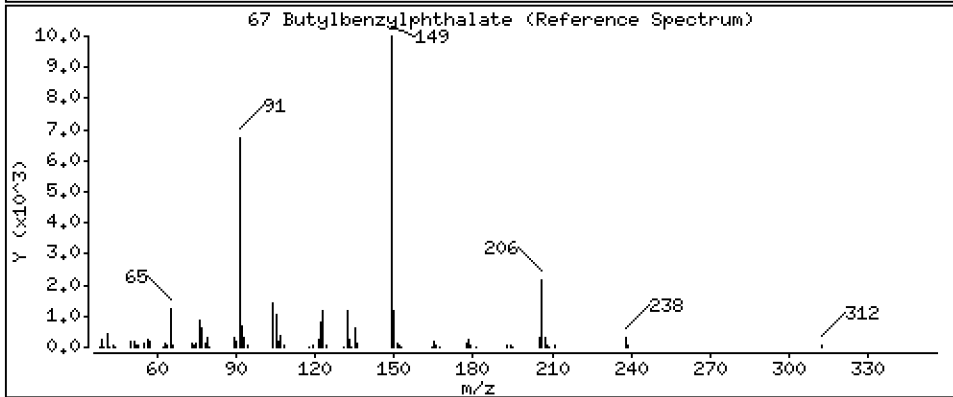
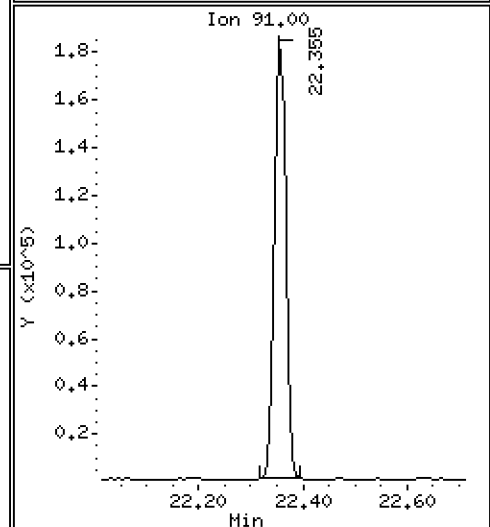
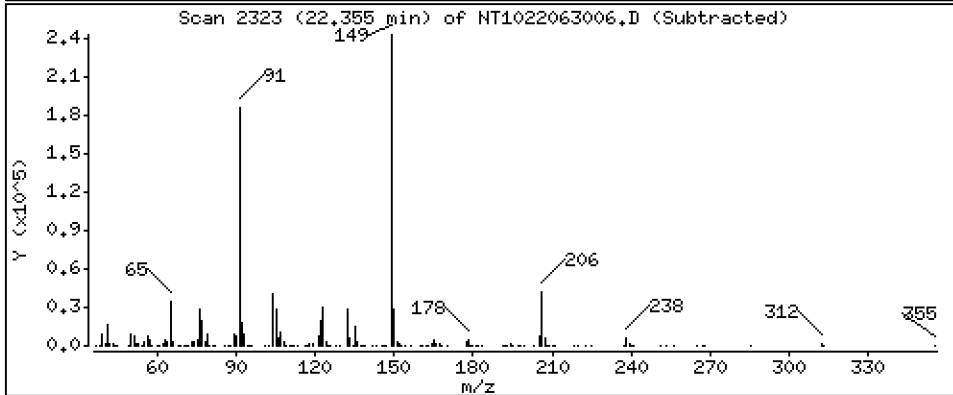
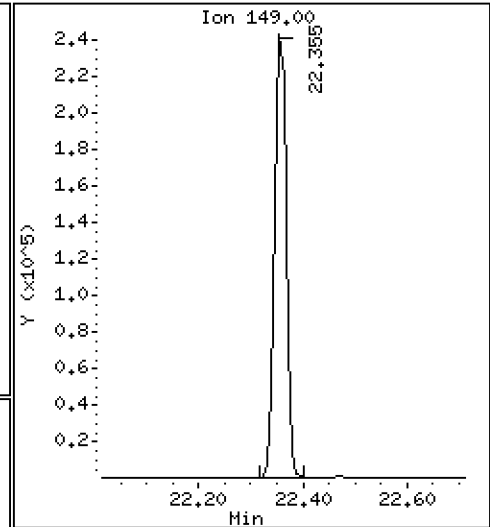
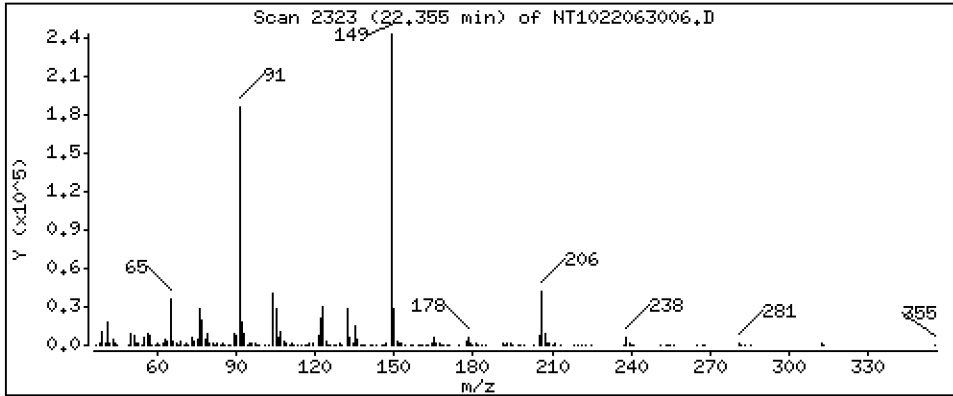
Operator: VTS

Column phase: ZB-5msi

Column diameter: 0,25

67 Butylbenzylphthalate

Concentration: 5,277 ug/mL



Date : 30-JUN-2022 16:46

Client ID:

Instrument: nt10.i

Sample Info: BKF0469-BS1

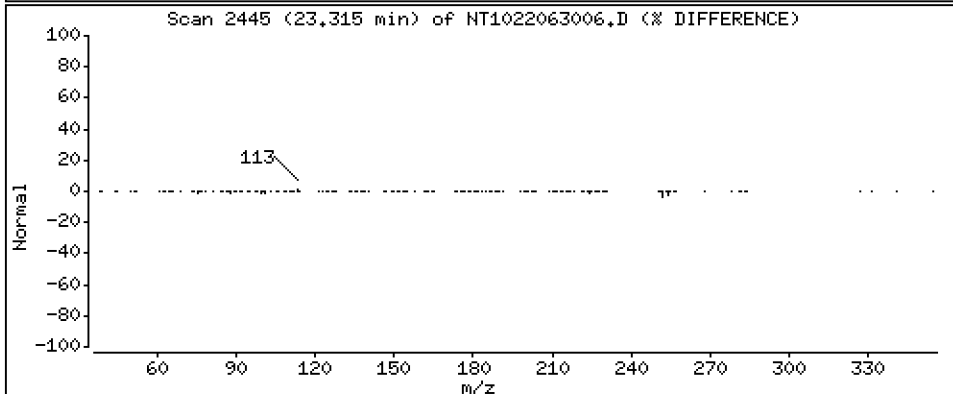
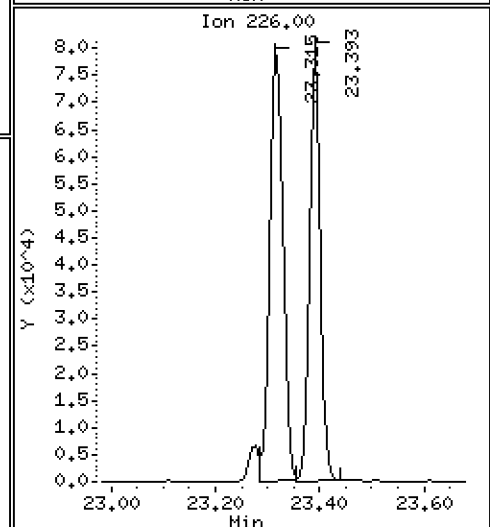
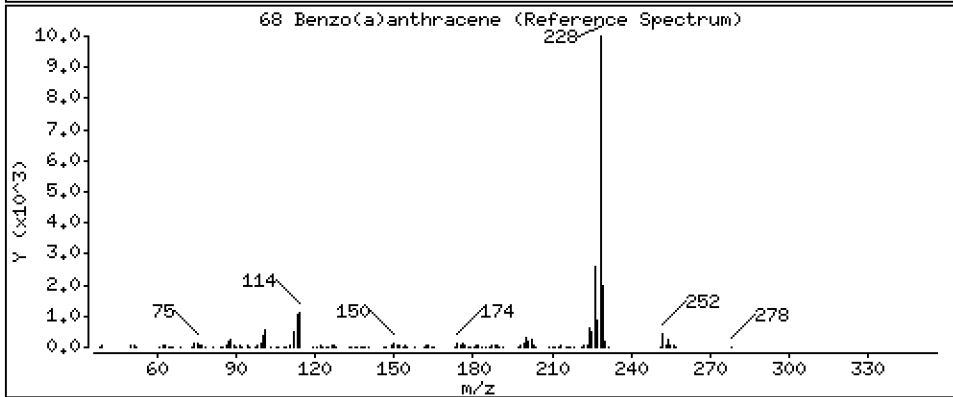
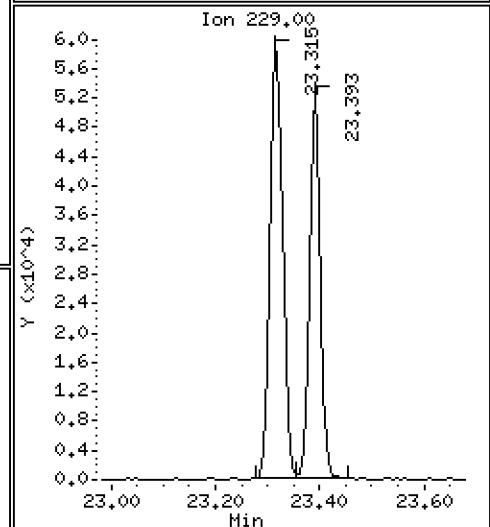
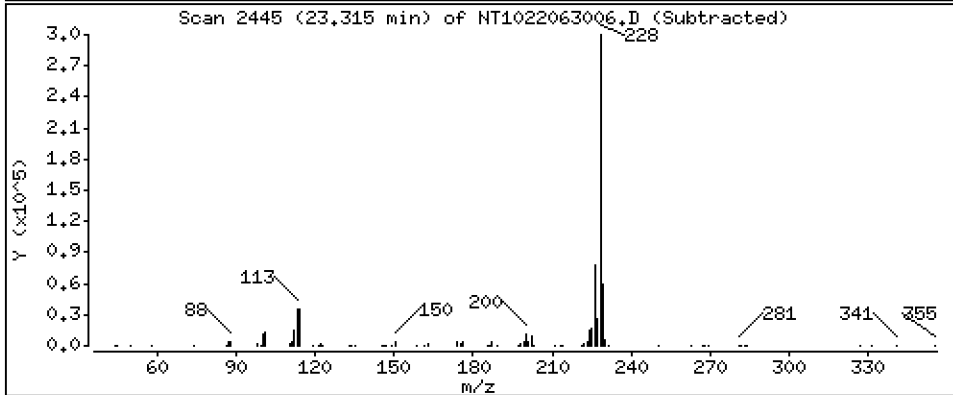
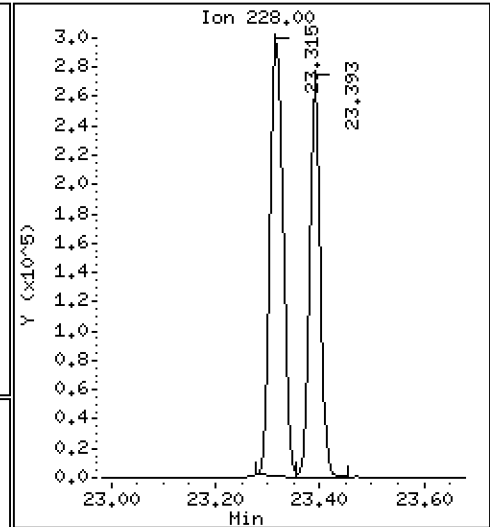
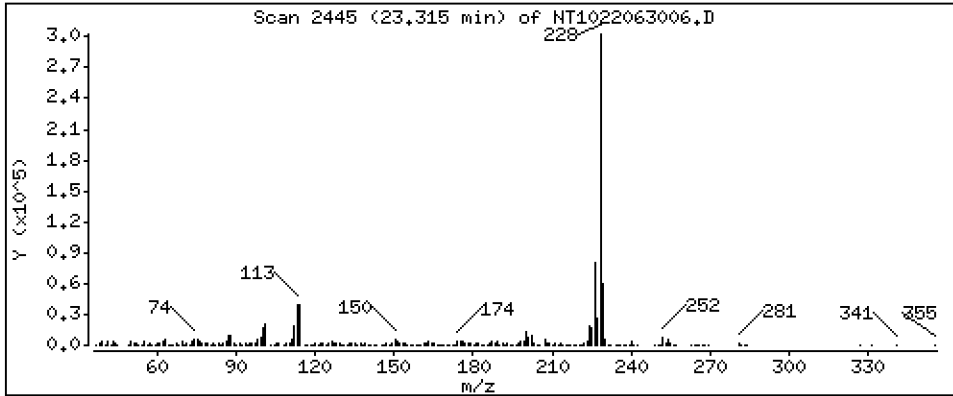
Operator: VTS

Column phase: ZB-5msi

Column diameter: 0,25

68 Benzo(a)anthracene

Concentration: 3,617 ug/mL



Date : 30-JUN-2022 16:46

Client ID:

Instrument: nt10.i

Sample Info: BKF0469-BS1

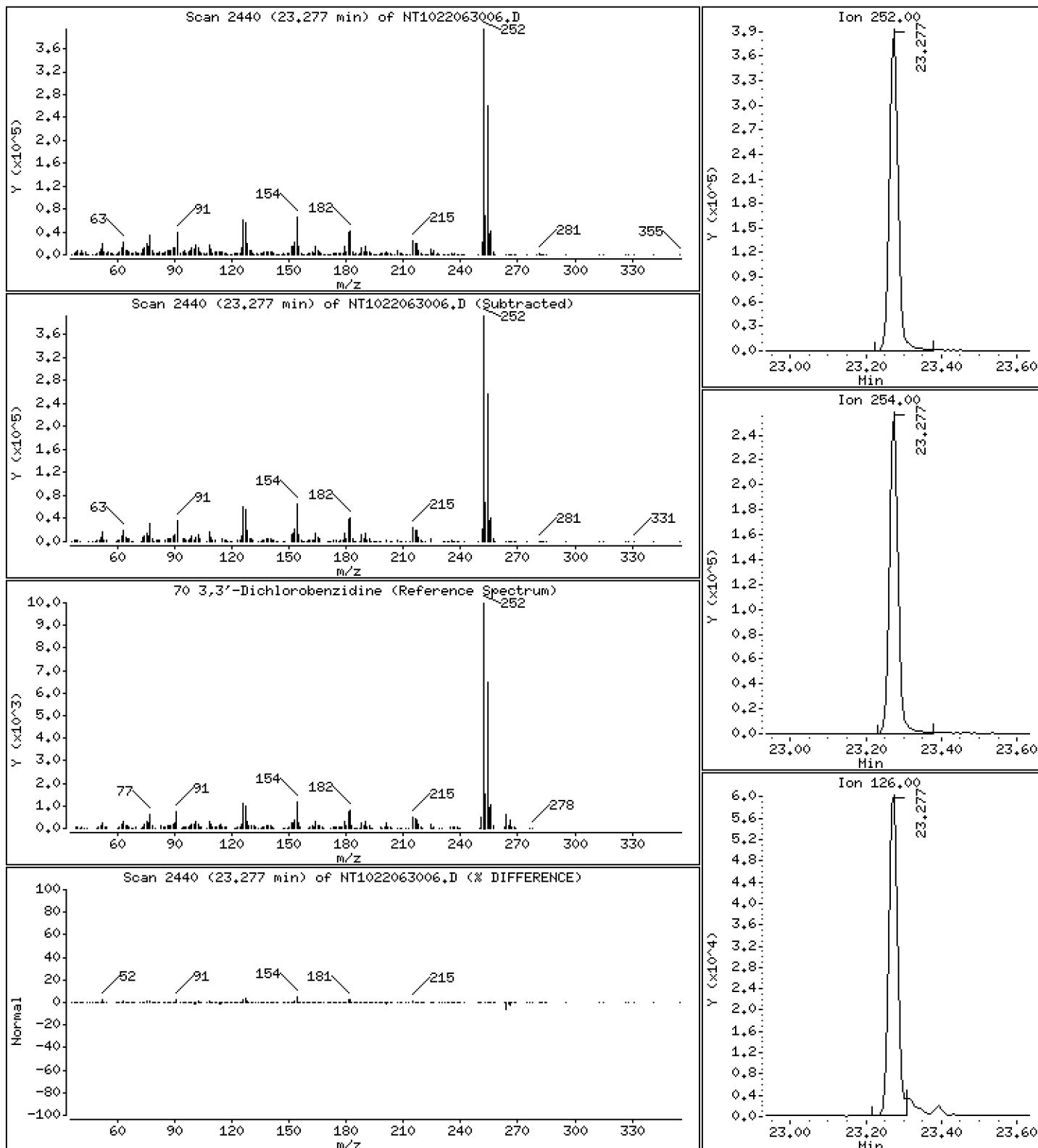
Operator: VTS

Column phase: ZB-5msi

Column diameter: 0,25

70 3,3'-Dichlorobenzidine

Concentration: 12,96 ug/mL



Date : 30-JUN-2022 16:46

Client ID:

Instrument: nt10.i

Sample Info: BKF0469-BS1

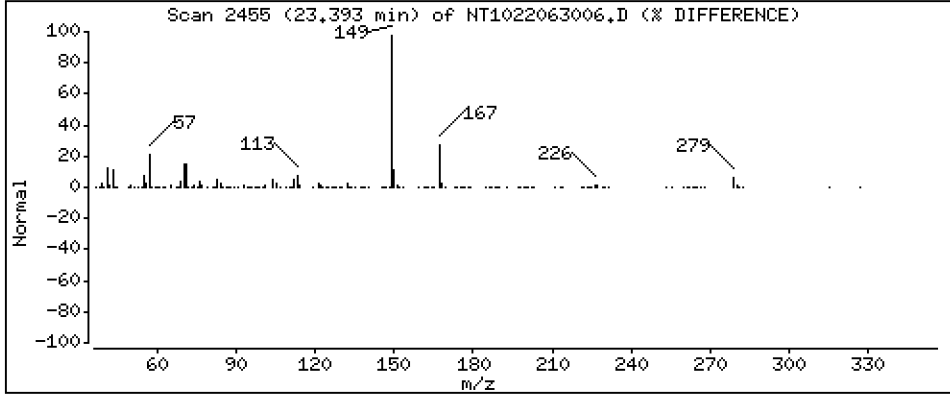
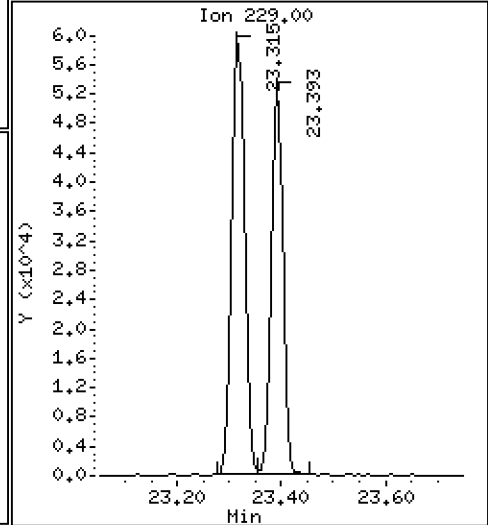
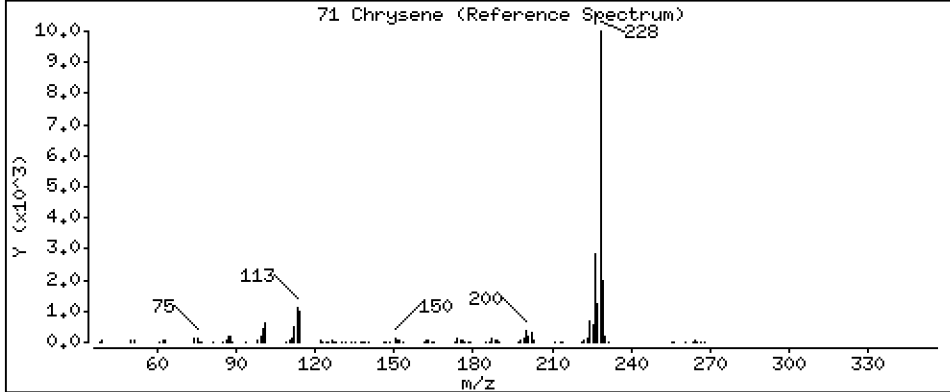
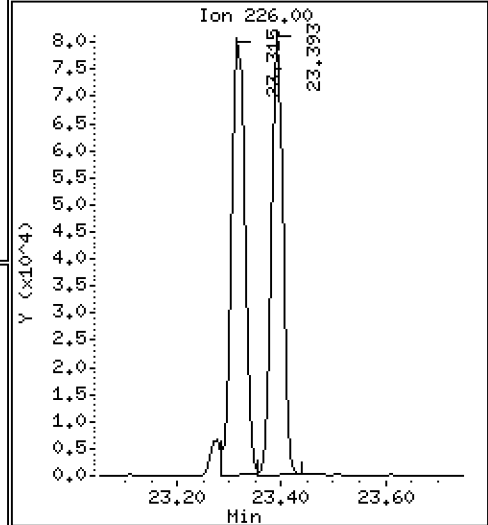
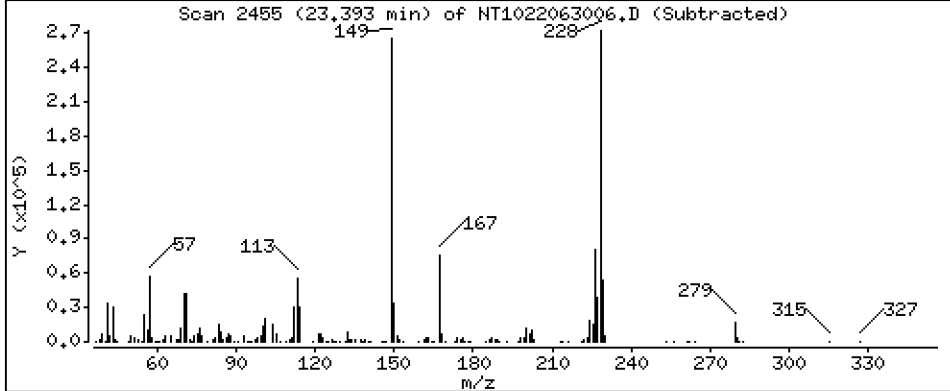
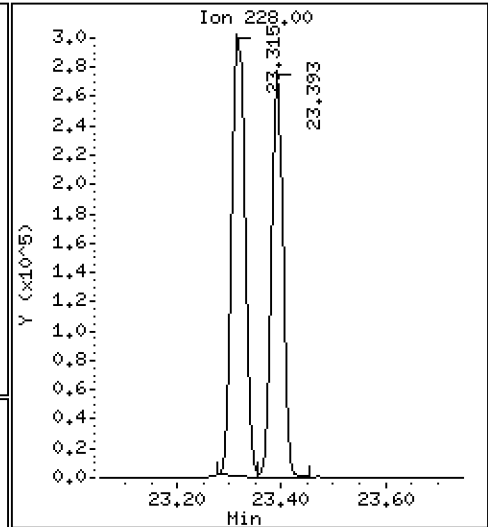
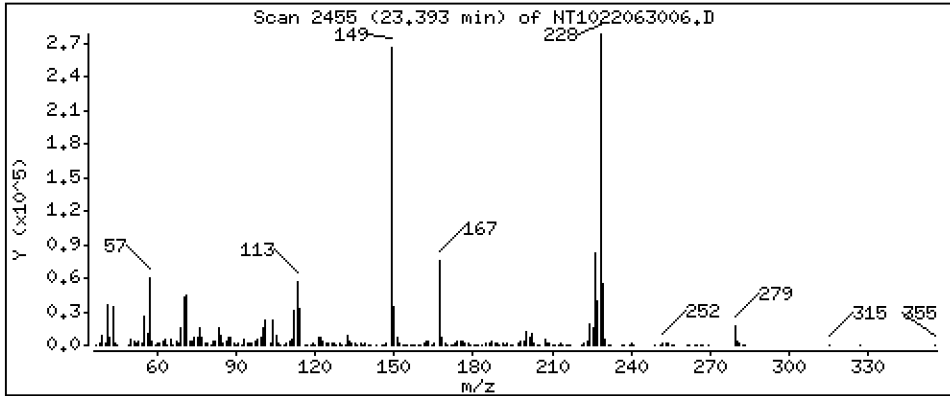
Operator: VTS

Column phase: ZB-5msi

Column diameter: 0,25

71 Chrysene

Concentration: 4,079 ug/mL



Date : 30-JUN-2022 16:46

Client ID:

Instrument: nt10.i

Sample Info: BKF0469-BS1

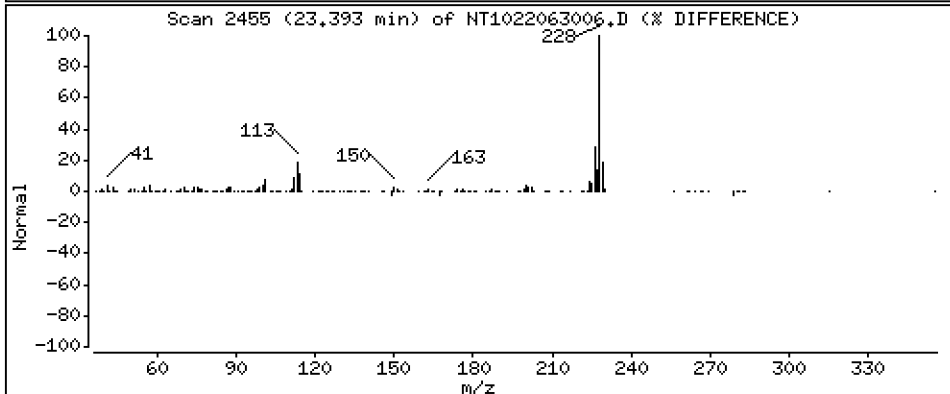
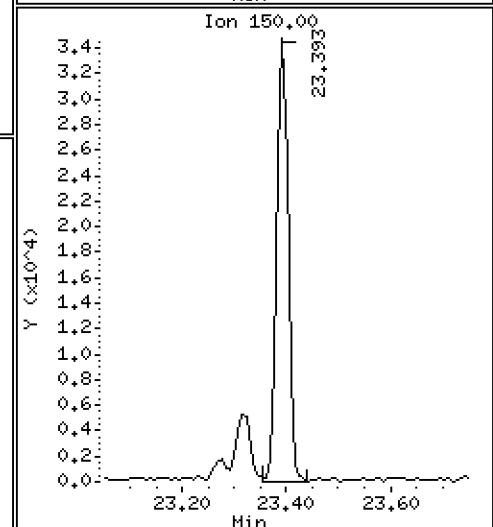
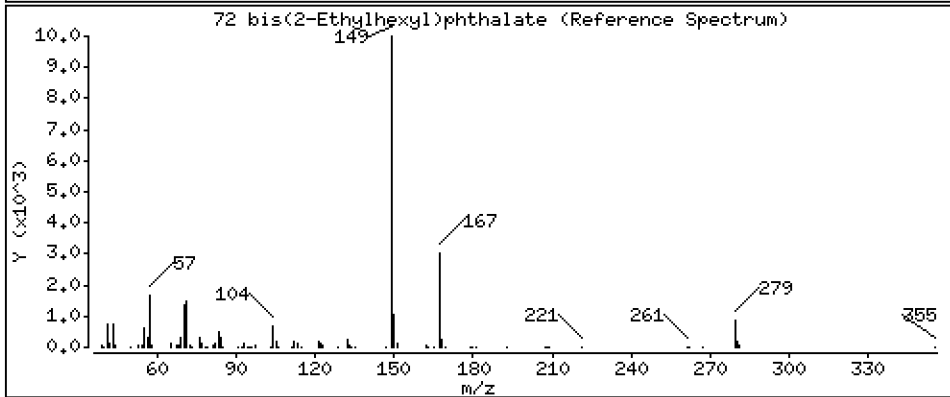
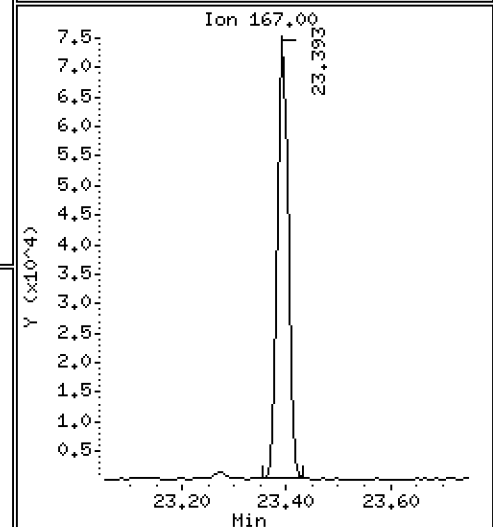
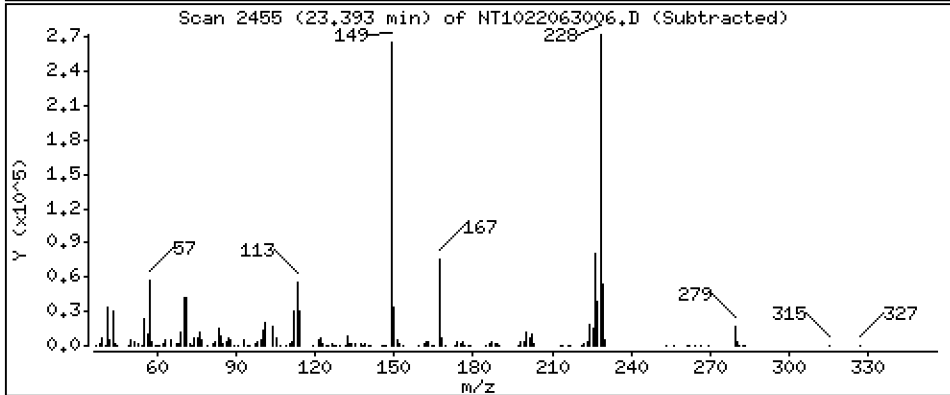
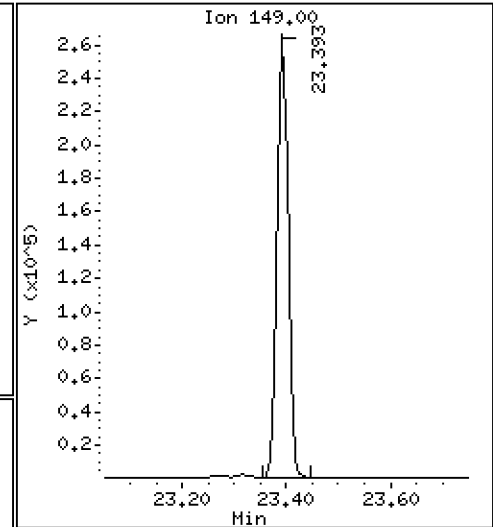
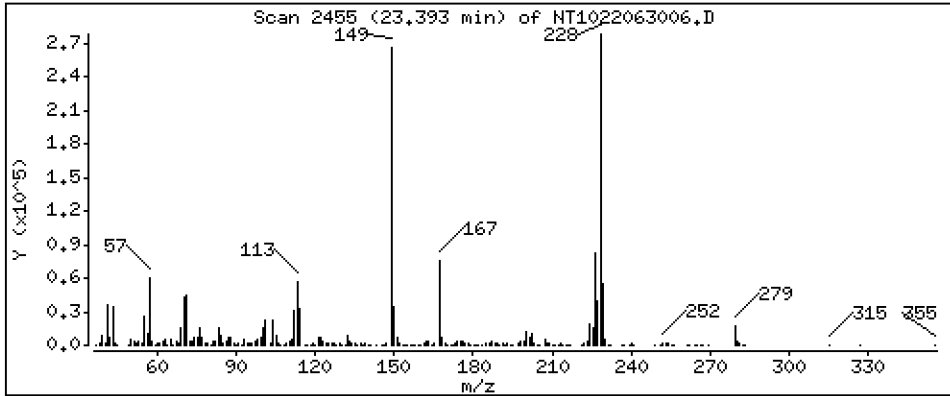
Operator: VTS

Column phase: ZB-5msi

Column diameter: 0,25

72 bis(2-Ethylhexyl)phthalate

Concentration: 5,403 ug/mL



Date : 30-JUN-2022 16:46

Client ID:

Instrument: nt10.i

Sample Info: BKF0469-BS1

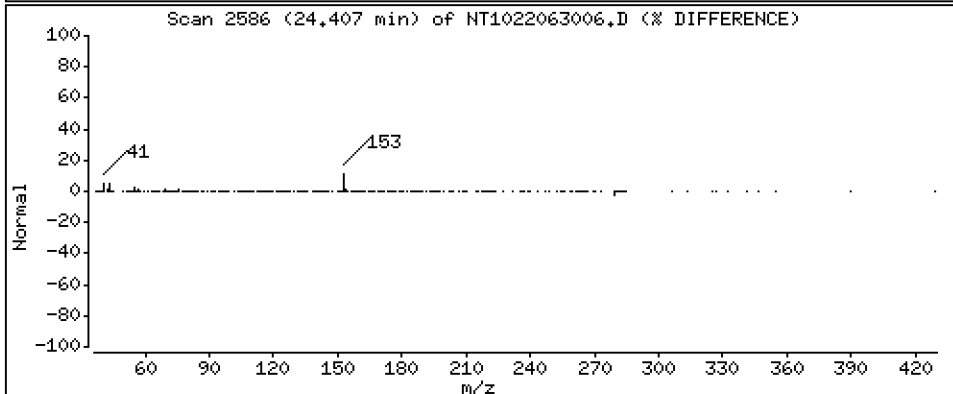
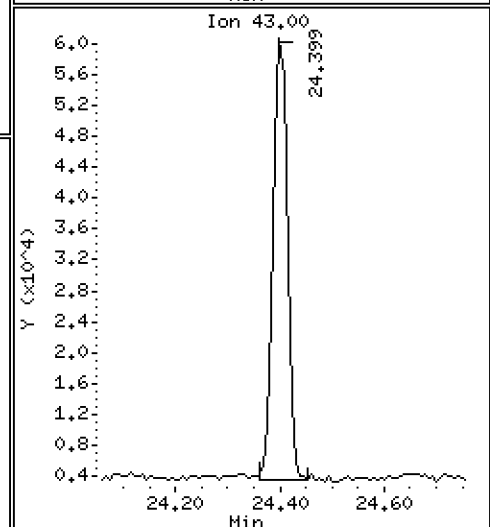
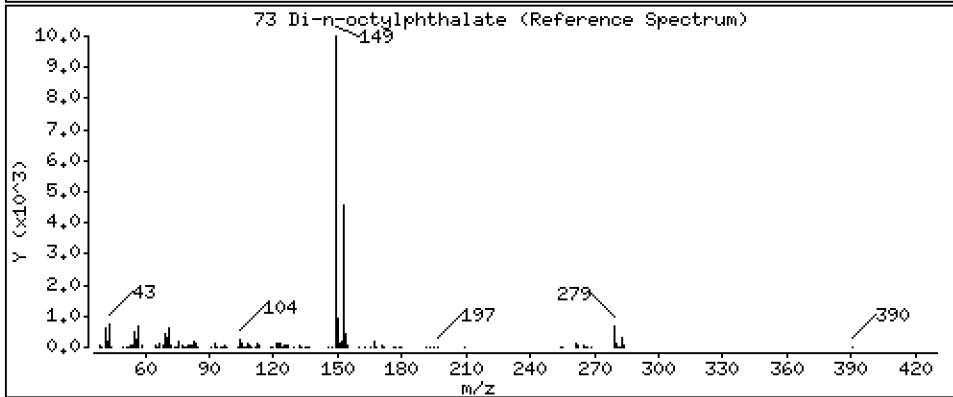
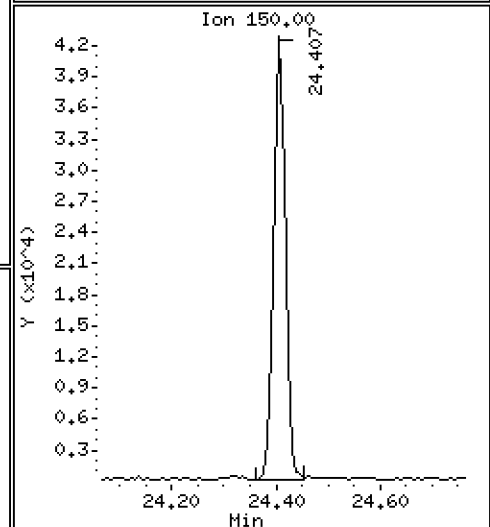
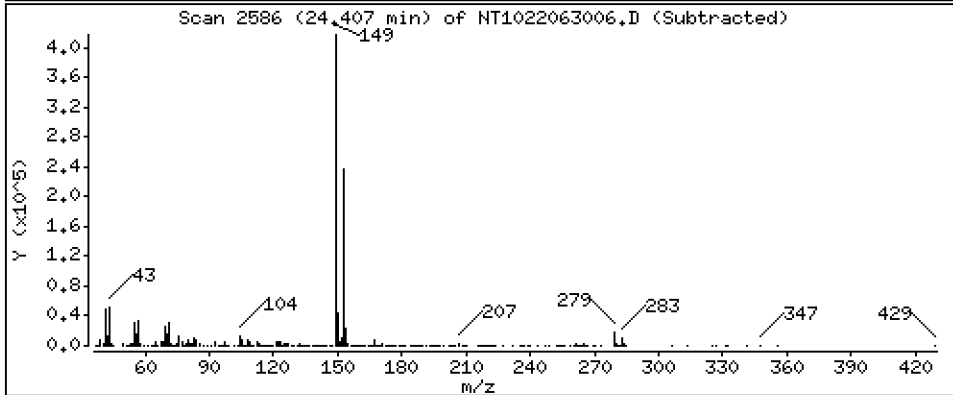
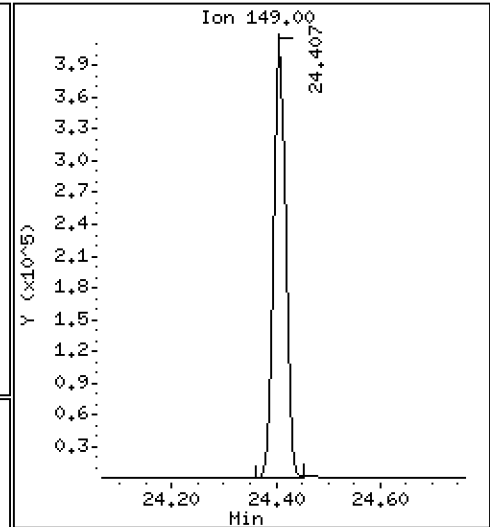
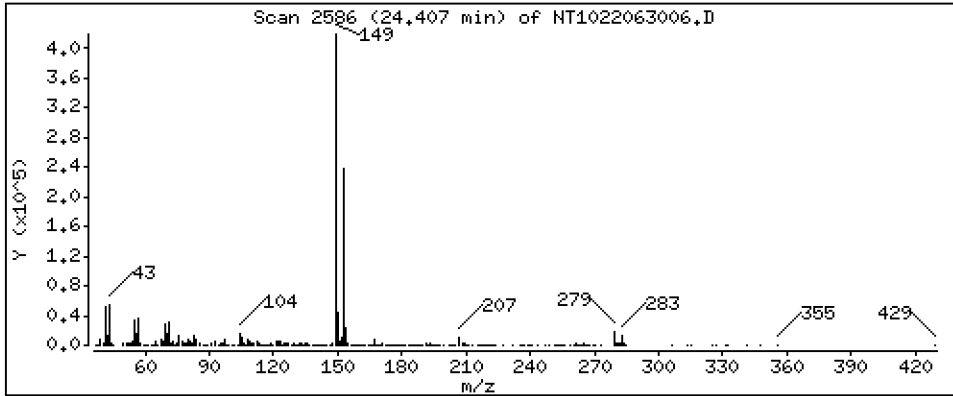
Operator: VTS

Column phase: ZB-5msi

Column diameter: 0,25

73 Di-n-octylphthalate

Concentration: 4,471 ug/mL



Date : 30-JUN-2022 16:46

Client ID:

Instrument: nt10.i

Sample Info: BKF0469-BS1

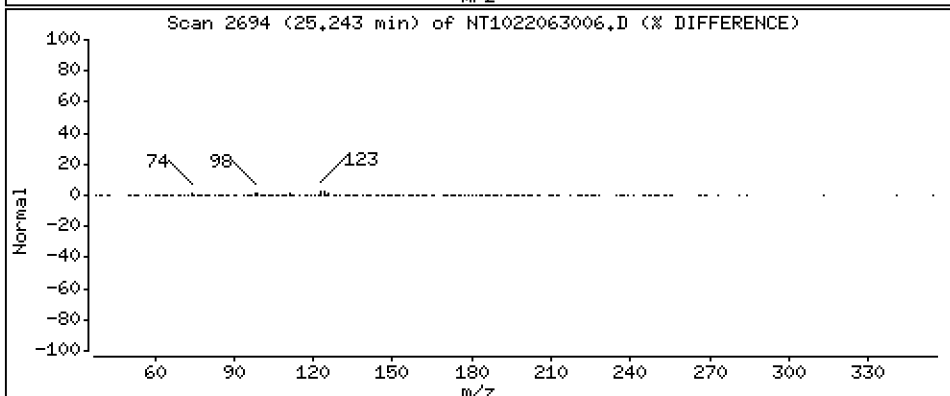
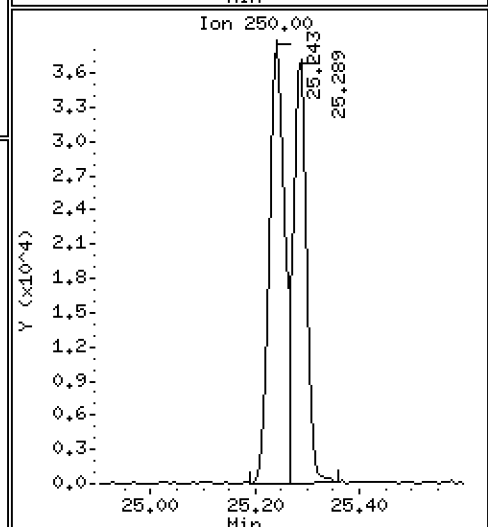
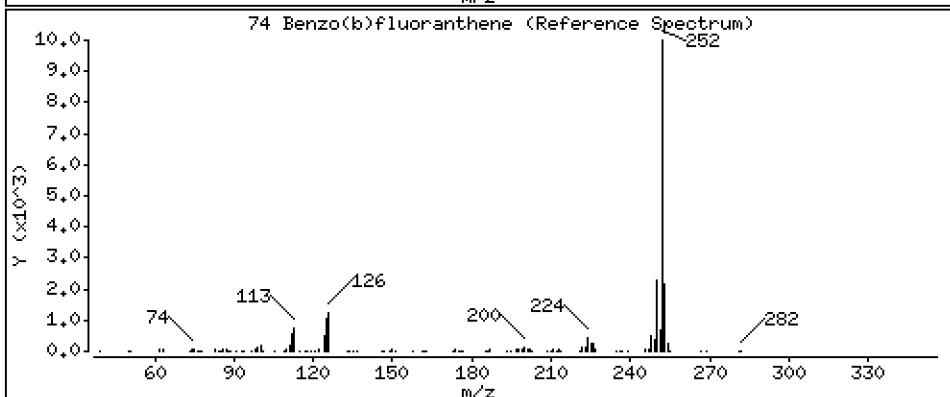
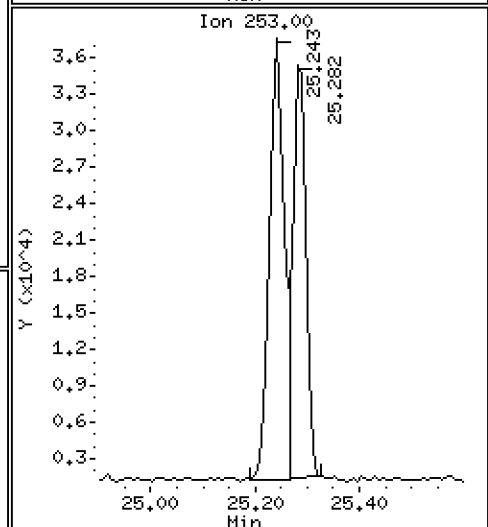
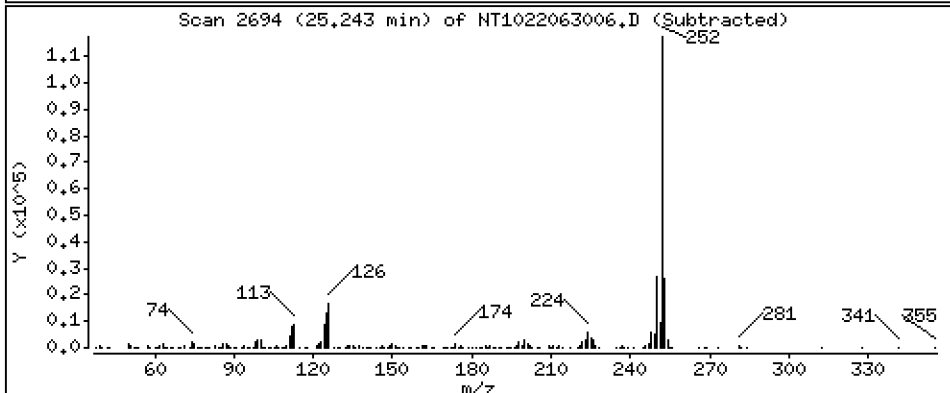
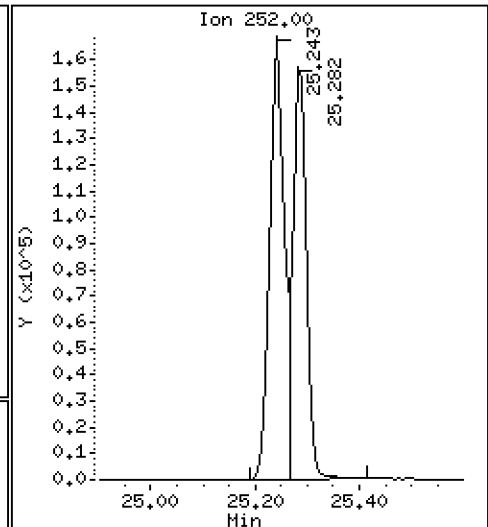
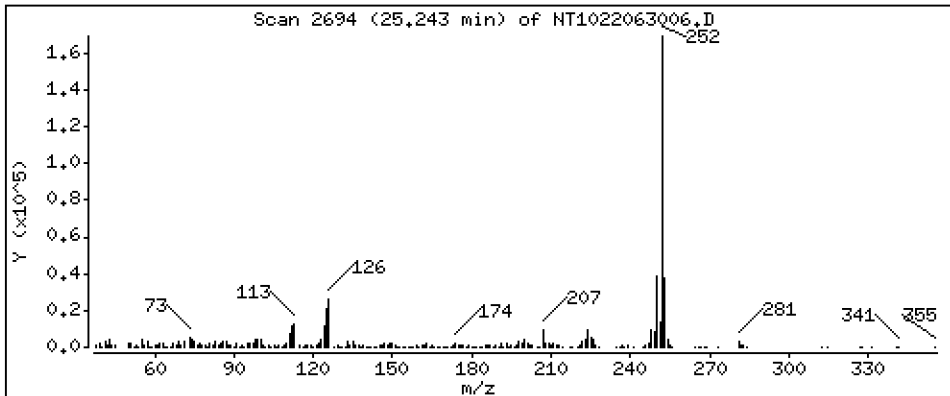
Operator: VTS

Column phase: ZB-5msi

Column diameter: 0,25

74 Benzo(b)fluoranthene

Concentration: 3,676 ug/mL



Date : 30-JUN-2022 16:46

Client ID:

Instrument: nt10.i

Sample Info: BKF0469-BS1

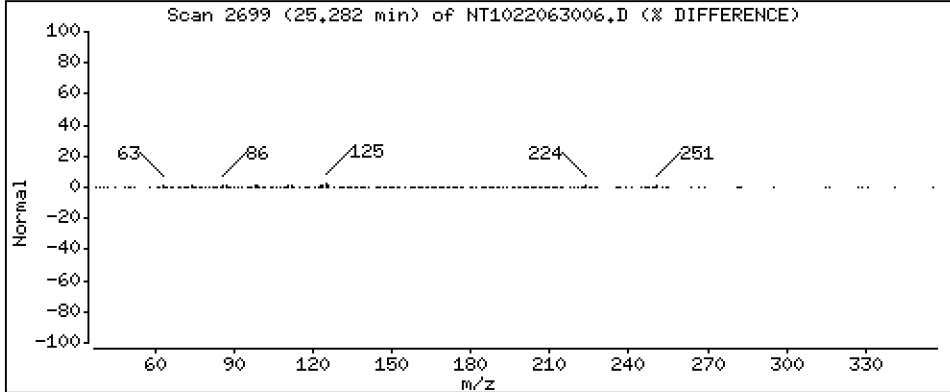
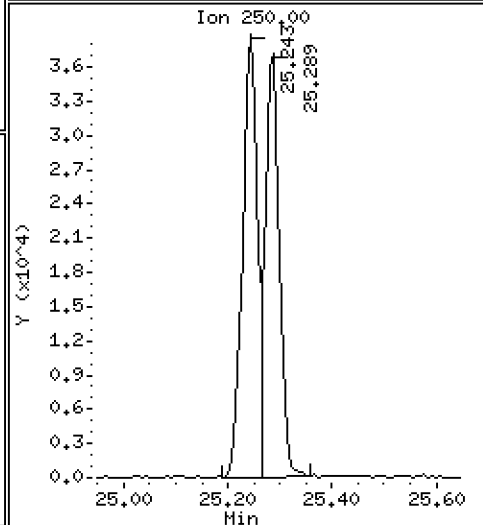
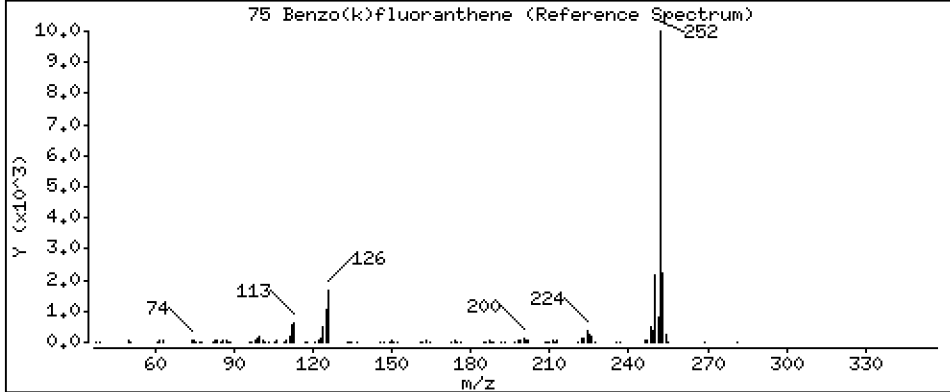
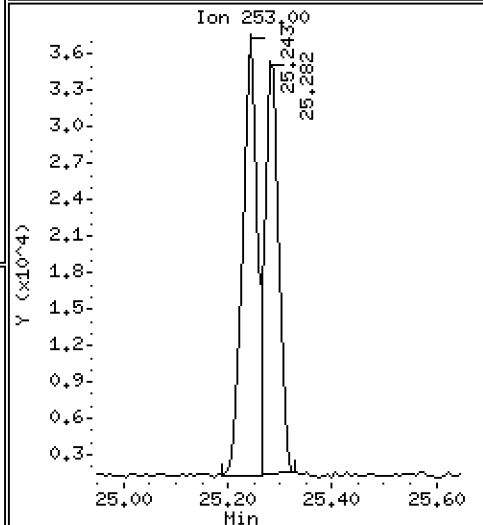
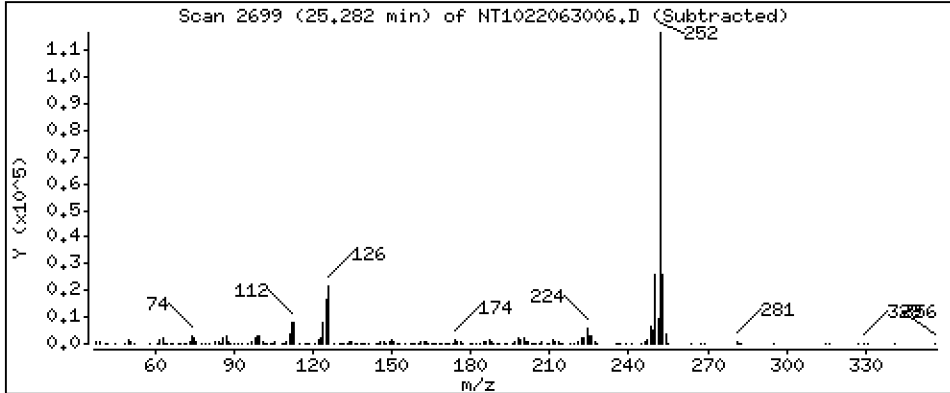
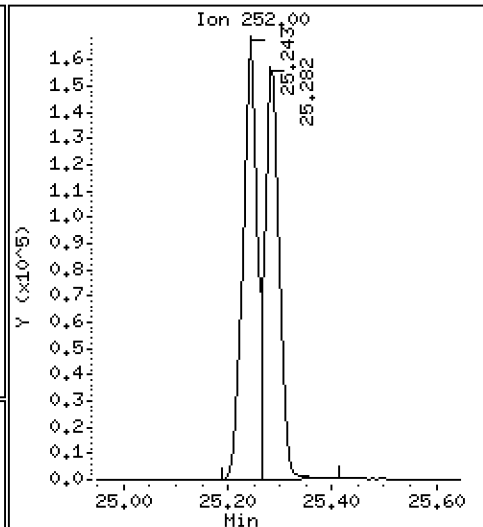
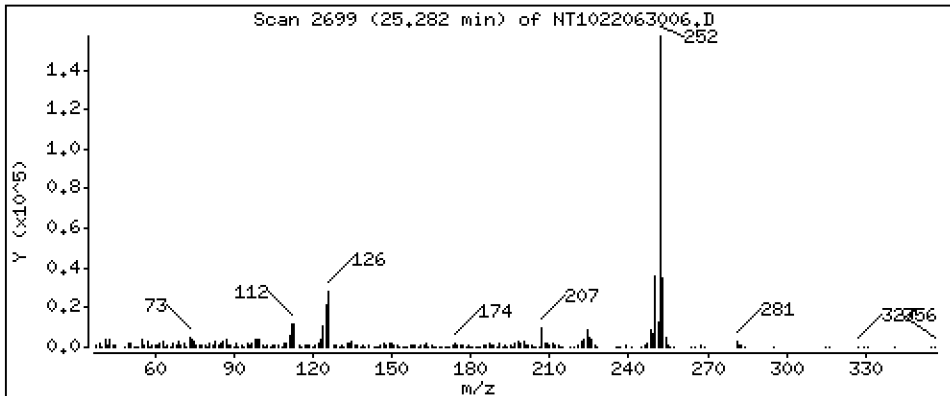
Operator: VTS

Column phase: ZB-5msi

Column diameter: 0,25

75 Benzo(k)fluoranthene

Concentration: 3,460 ug/mL



Date : 30-JUN-2022 16:46

Client ID:

Instrument: nt10.i

Sample Info: BKF0469-BS1

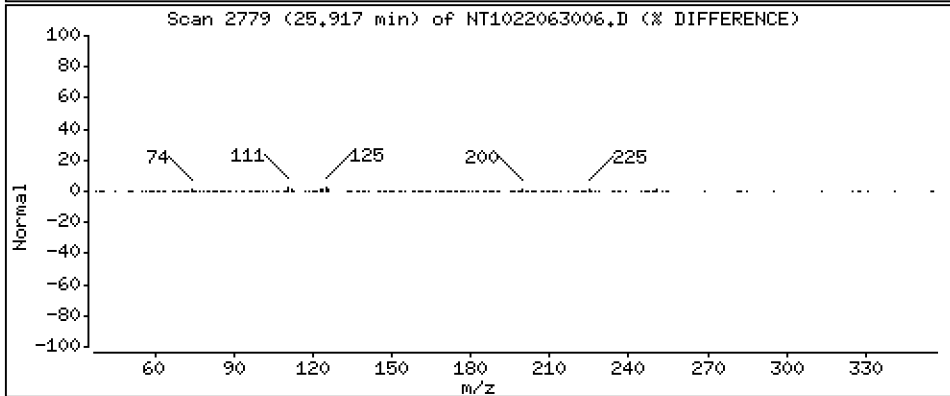
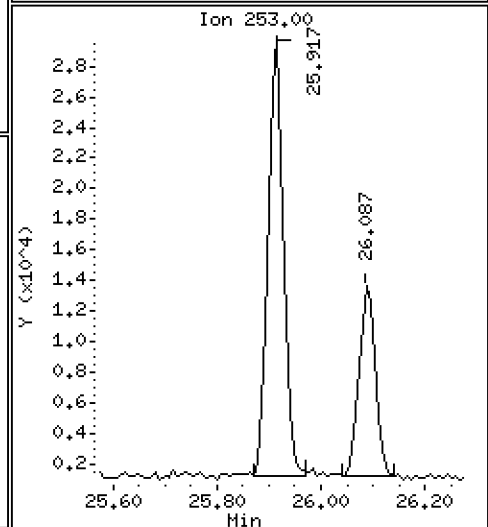
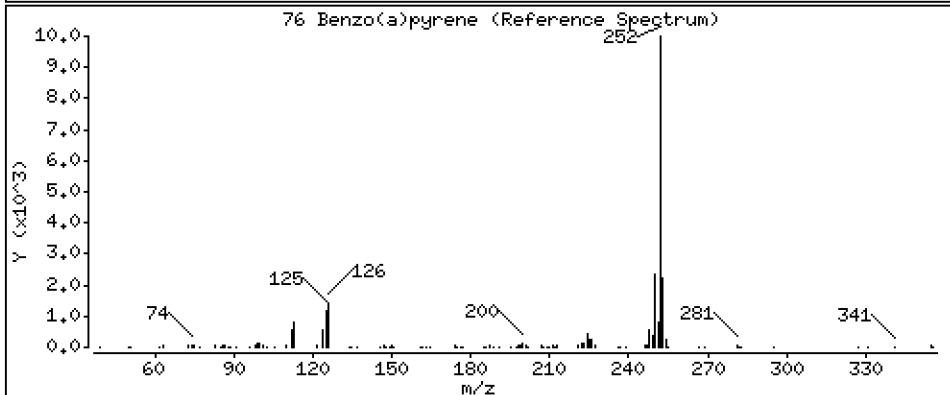
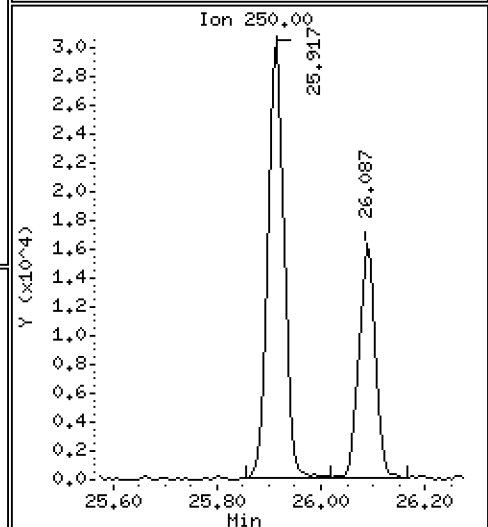
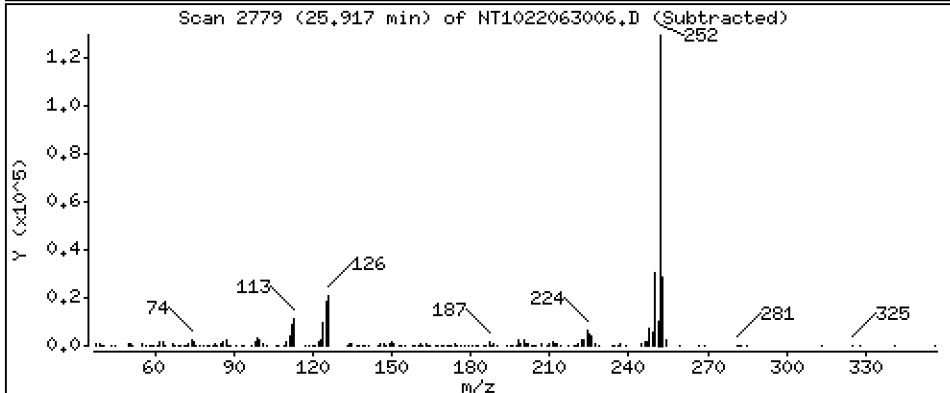
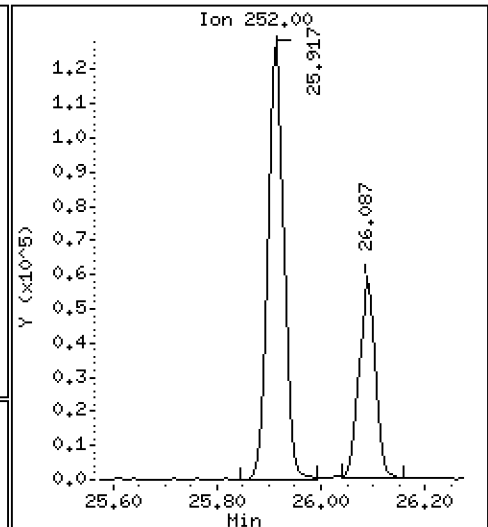
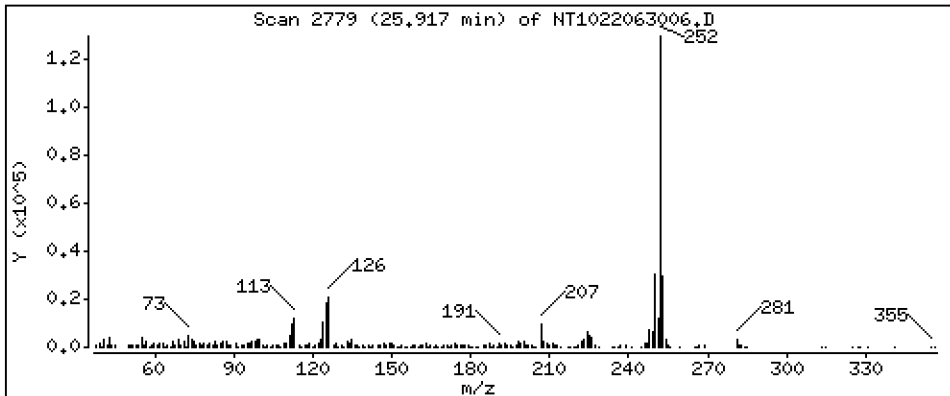
Operator: VTS

Column phase: ZB-5msi

Column diameter: 0,25

76 Benzo(a)pyrene

Concentration: 3,626 ug/mL



Date : 30-JUN-2022 16:46

Client ID:

Instrument: nt10.i

Sample Info: BKF0469-BS1

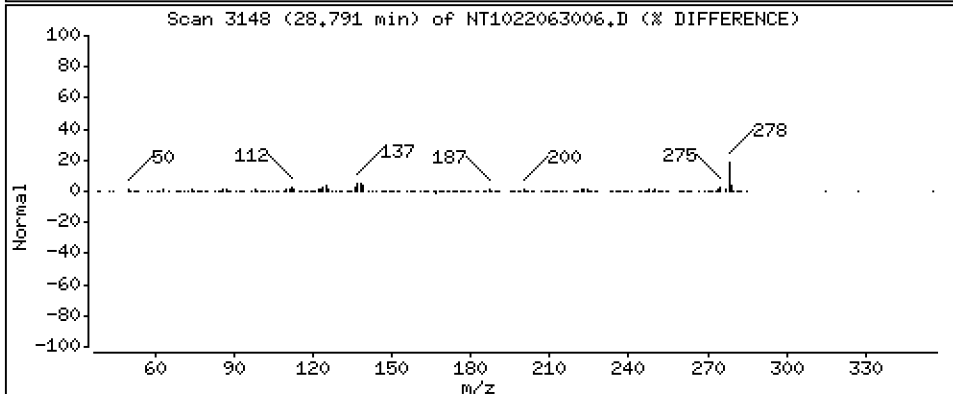
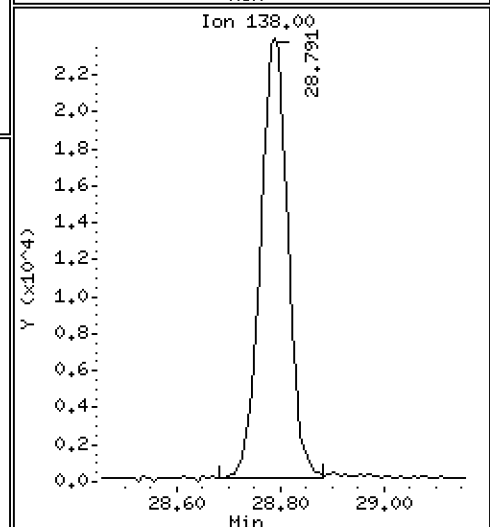
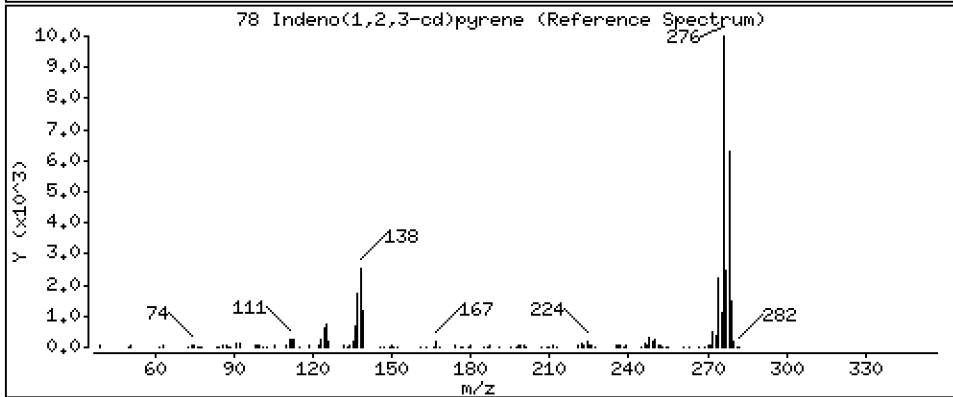
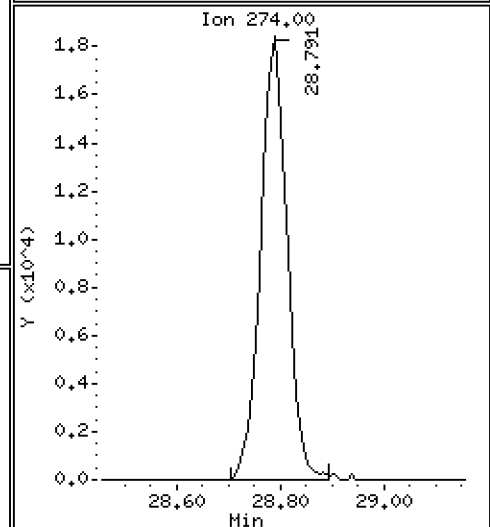
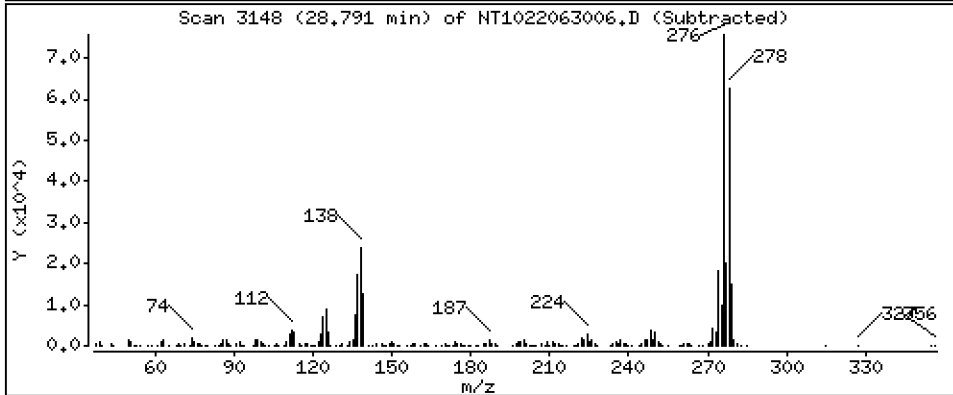
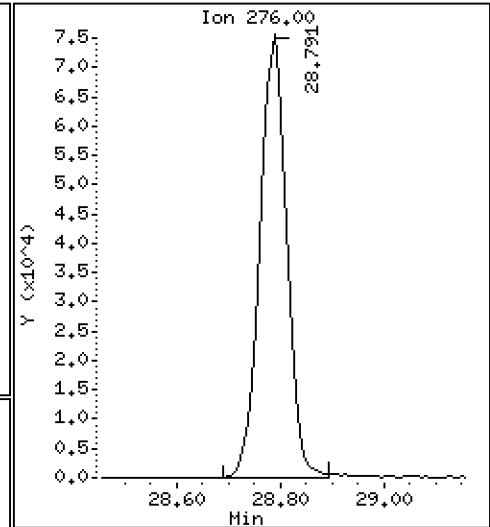
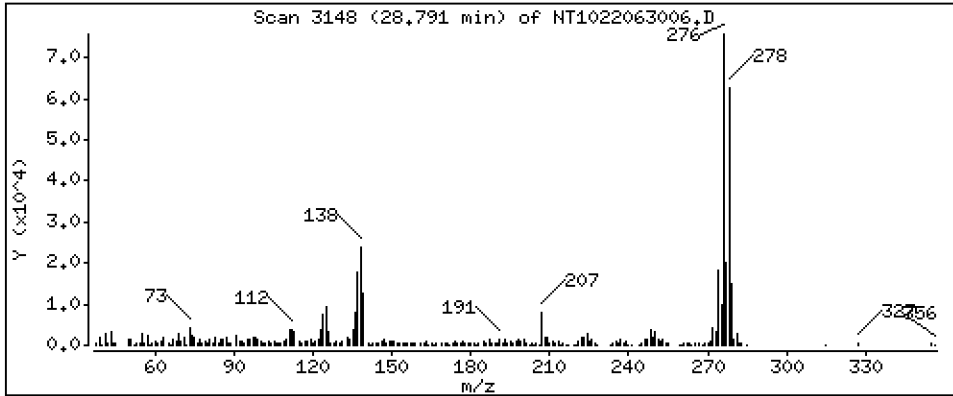
Operator: VTS

Column phase: ZB-5msi

Column diameter: 0,25

78 Indeno(1,2,3-cd)pyrene

Concentration: 3,438 ug/mL



Date : 30-JUN-2022 16:46

Client ID:

Instrument: nt10.i

Sample Info: BKF0469-BS1

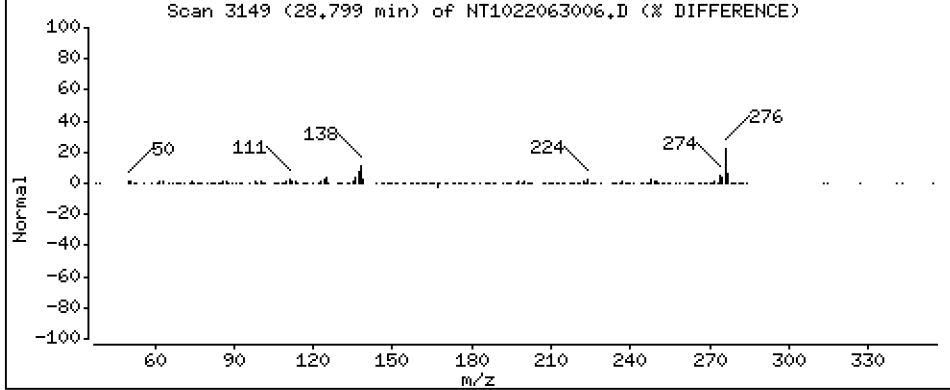
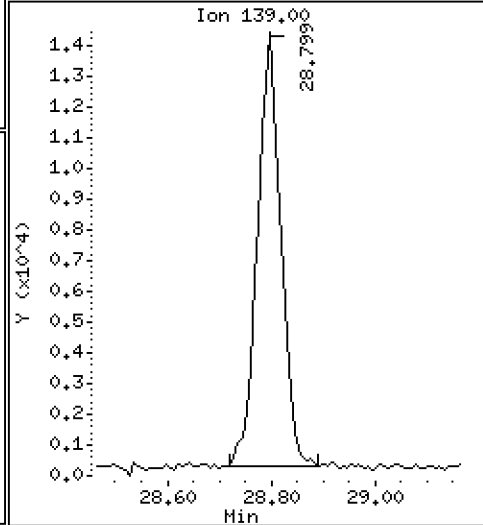
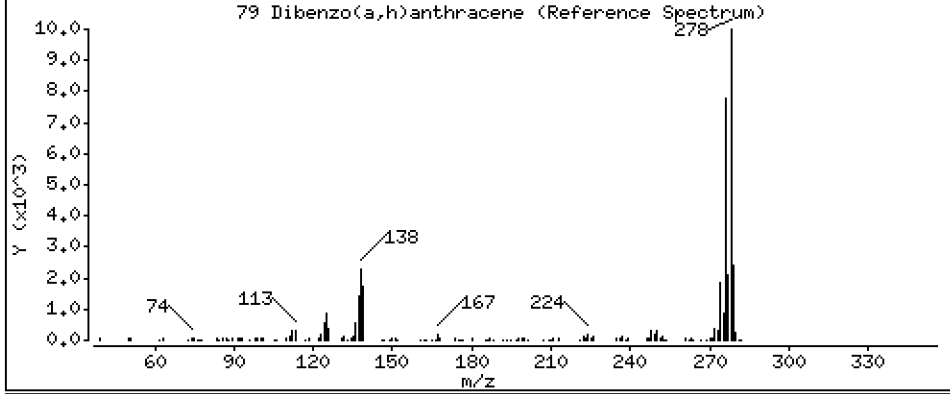
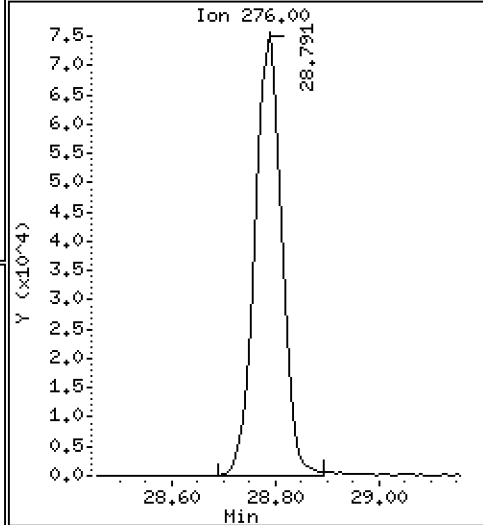
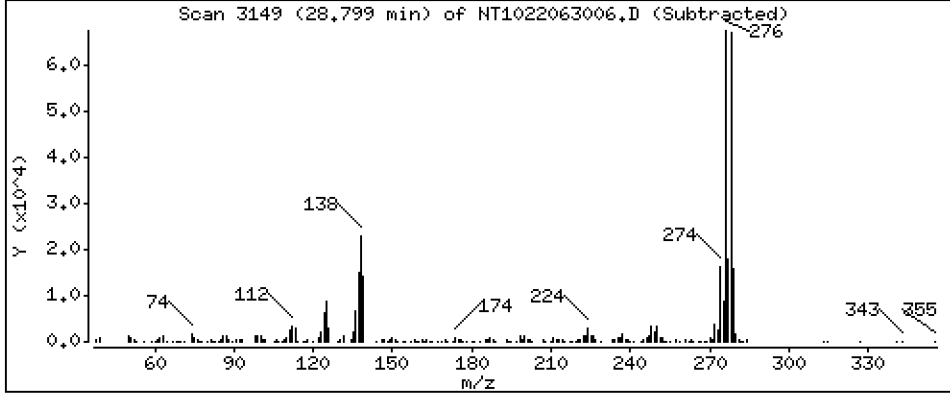
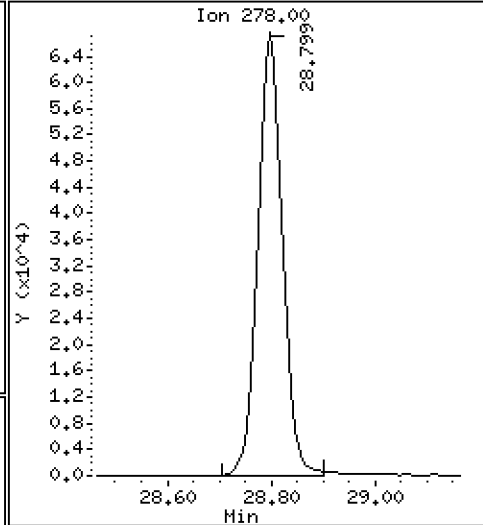
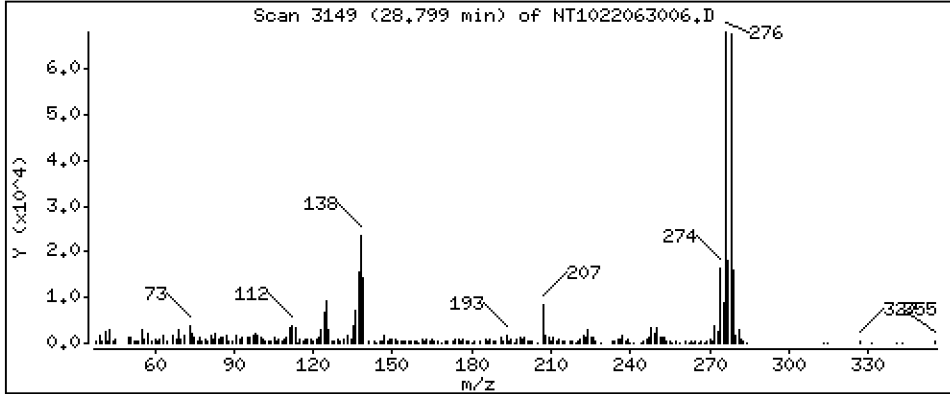
Operator: VTS

Column phase: ZB-5msi

Column diameter: 0,25

79 Dibenzo(a,h)anthracene

Concentration: 3,643 ug/mL



Date : 30-JUN-2022 16:46

Client ID:

Instrument: nt10.i

Sample Info: BKF0469-BS1

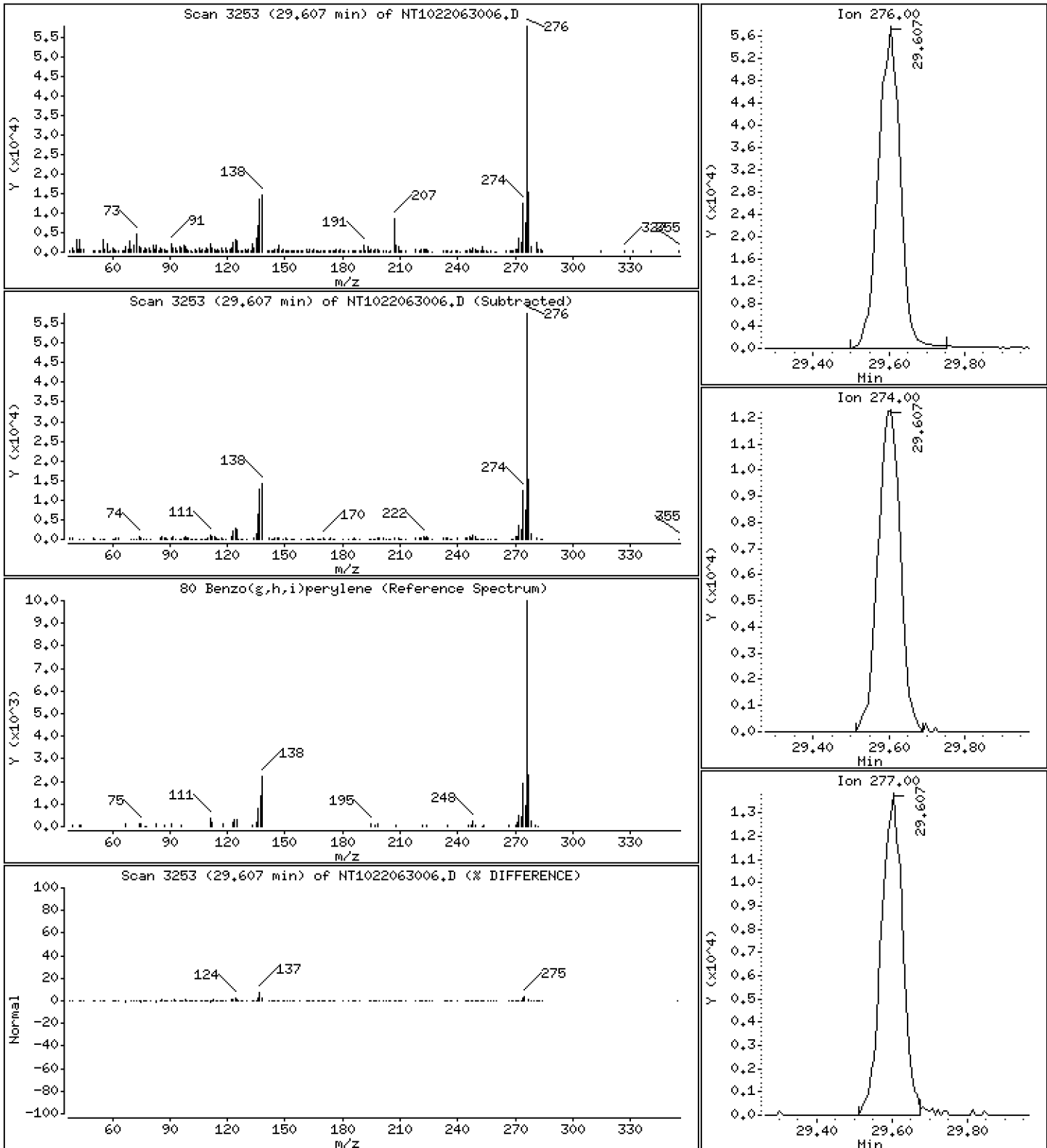
Operator: VTS

Column phase: ZB-5msi

Column diameter: 0,25

80 Benzo(g,h,i)perylene

Concentration: 3,634 ug/mL



Date : 30-JUN-2022 16:46

Client ID:

Instrument: nt10.i

Sample Info: BKF0469-BS1

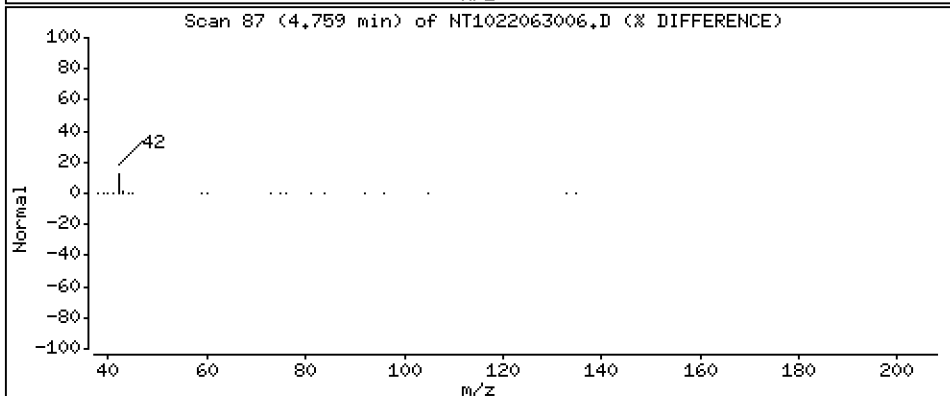
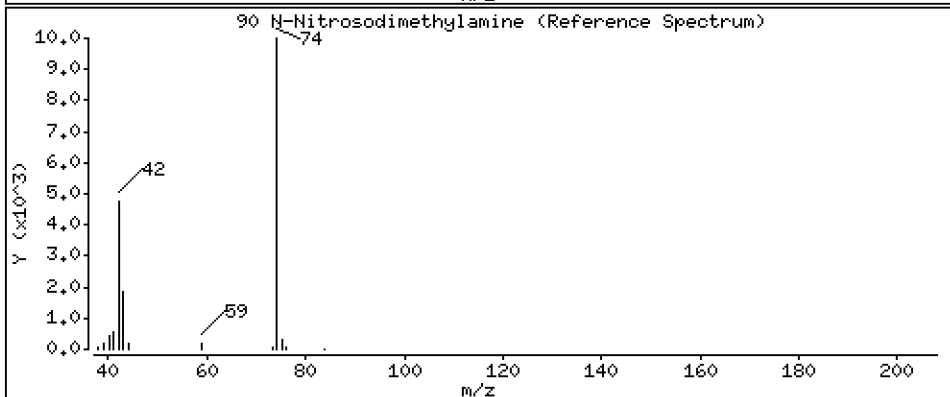
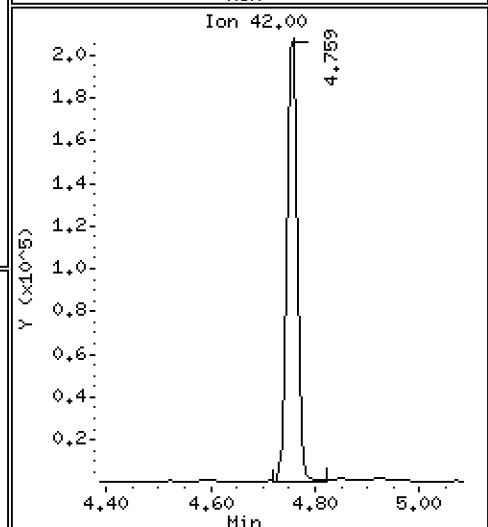
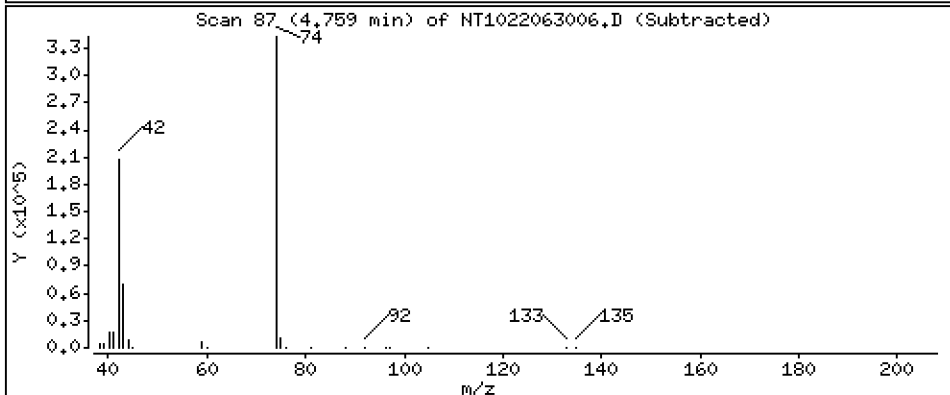
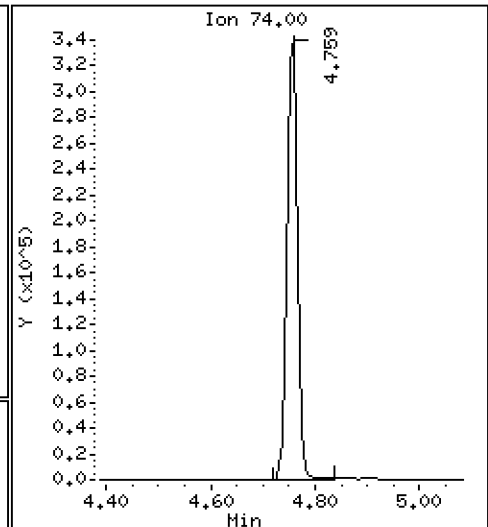
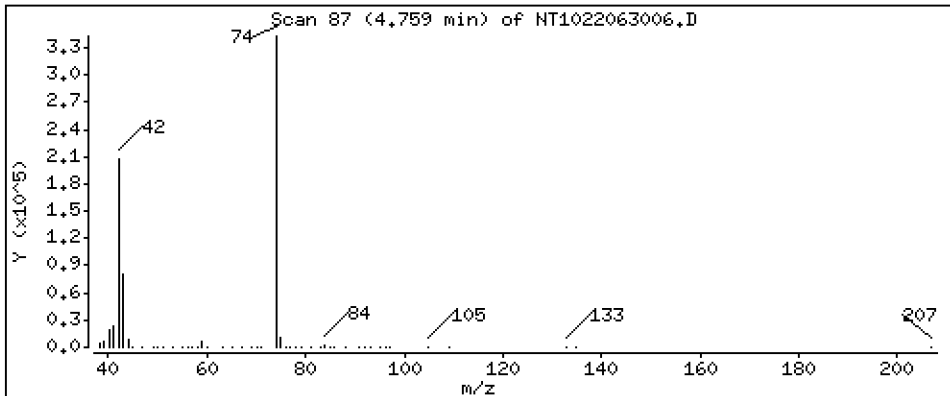
Operator: VTS

Column phase: ZB-5msi

Column diameter: 0,25

90 N-Nitrosodimethylamine

Concentration: 8,747 ug/mL



Date : 30-JUN-2022 16:46

Client ID:

Instrument: nt10.i

Sample Info: BKF0469-BS1

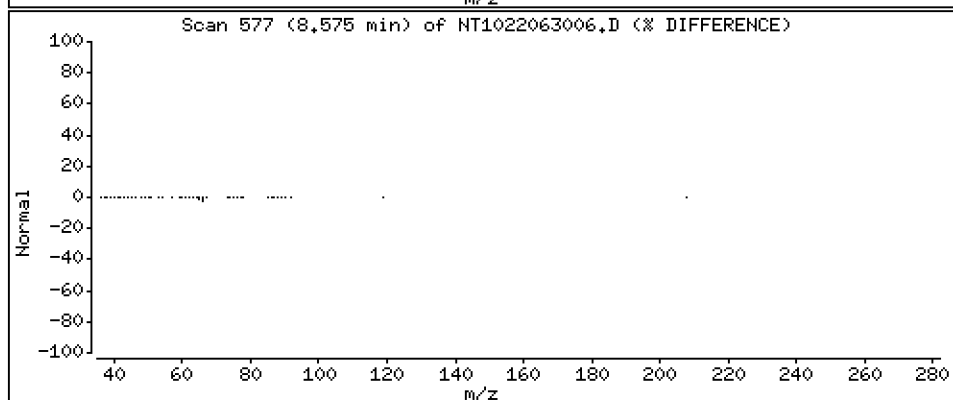
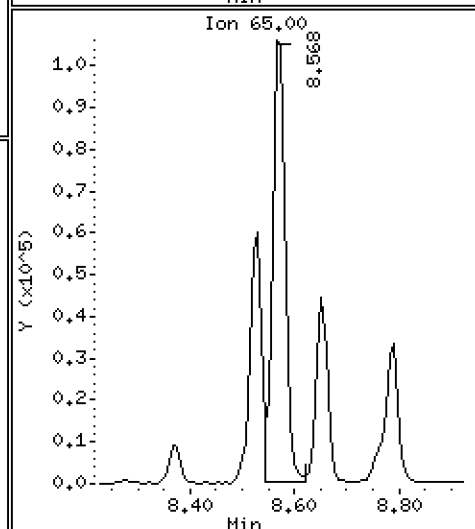
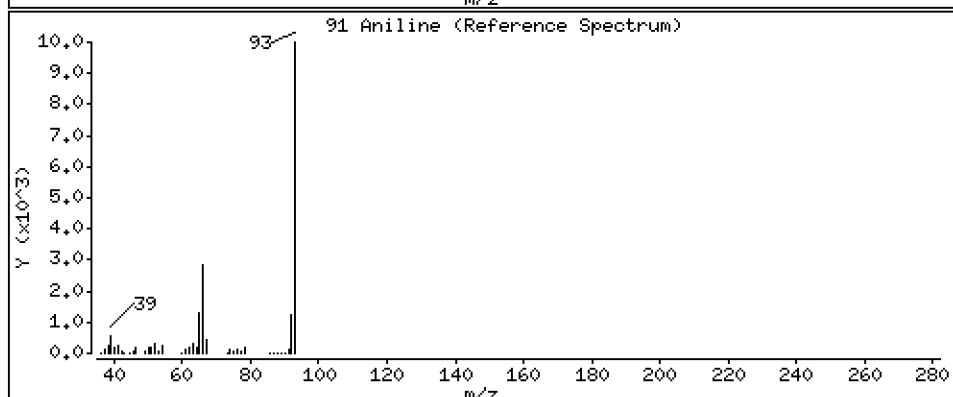
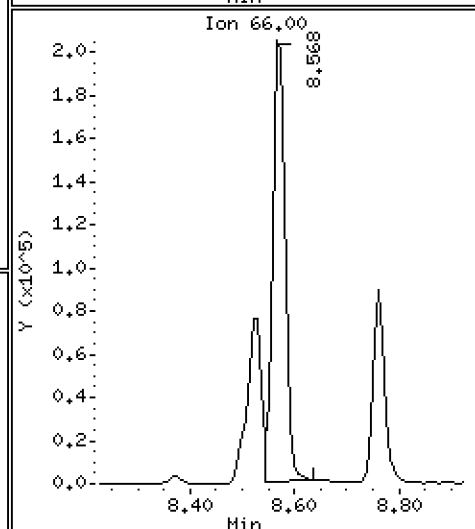
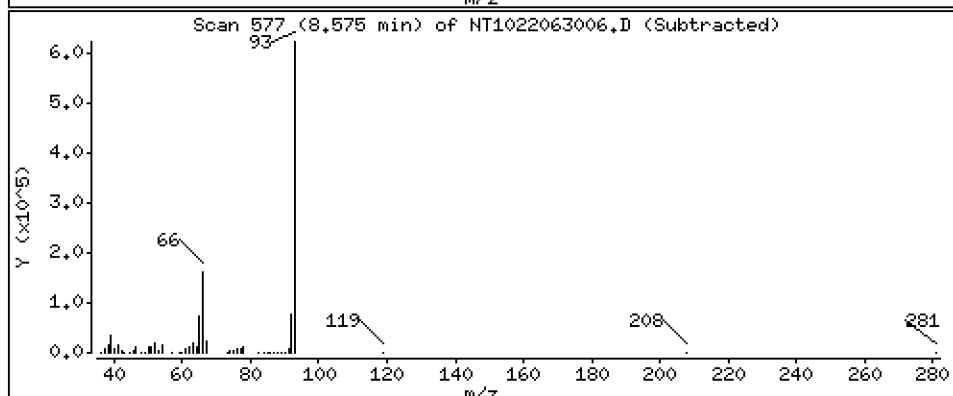
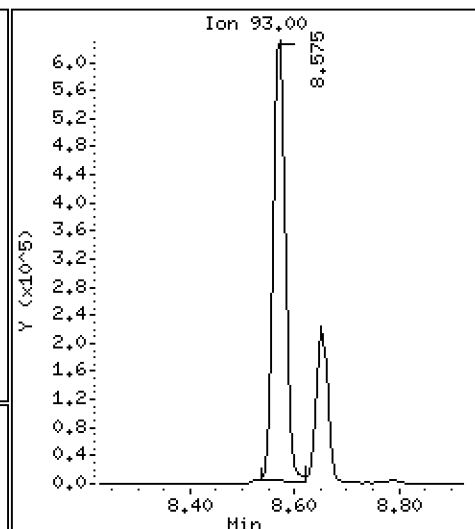
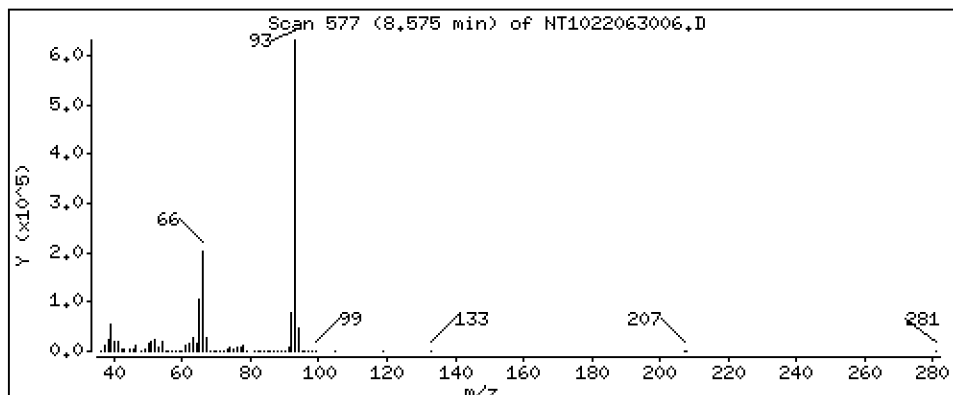
Operator: VTS

Column phase: ZB-5msi

Column diameter: 0,25

91 Aniline

Concentration: 8,675 ug/mL



Date : 30-JUN-2022 16:46

Client ID:

Instrument: nt10.i

Sample Info: BKF0469-BS1

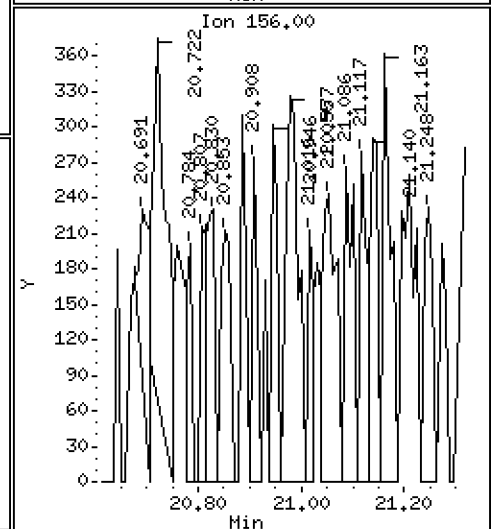
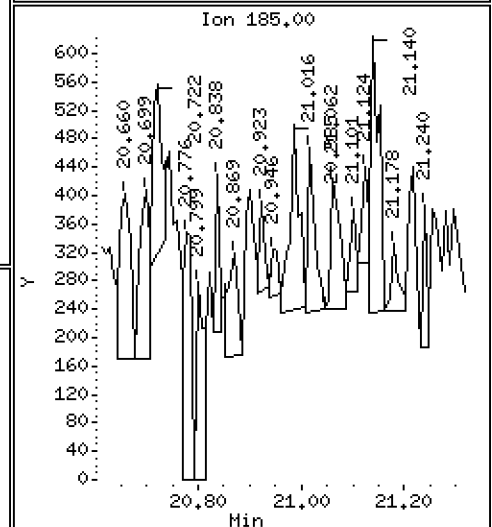
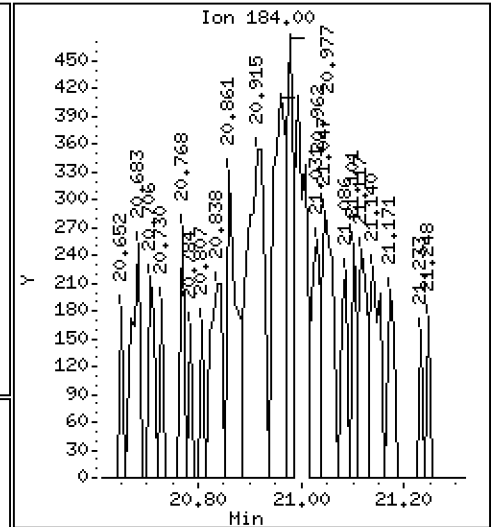
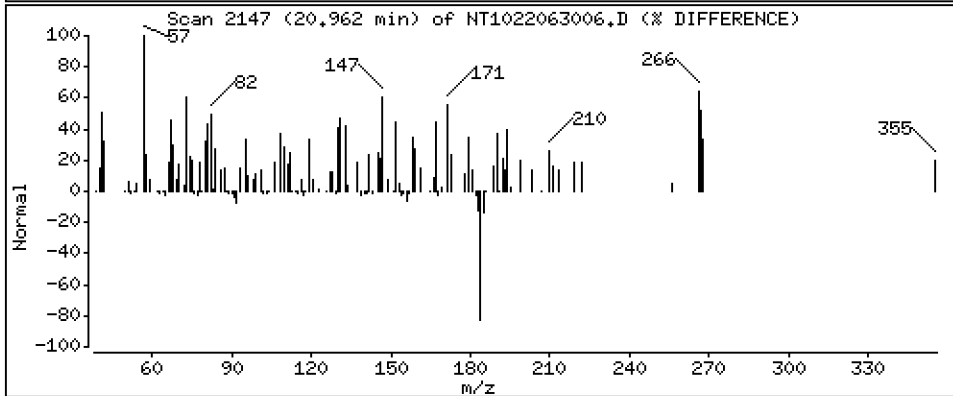
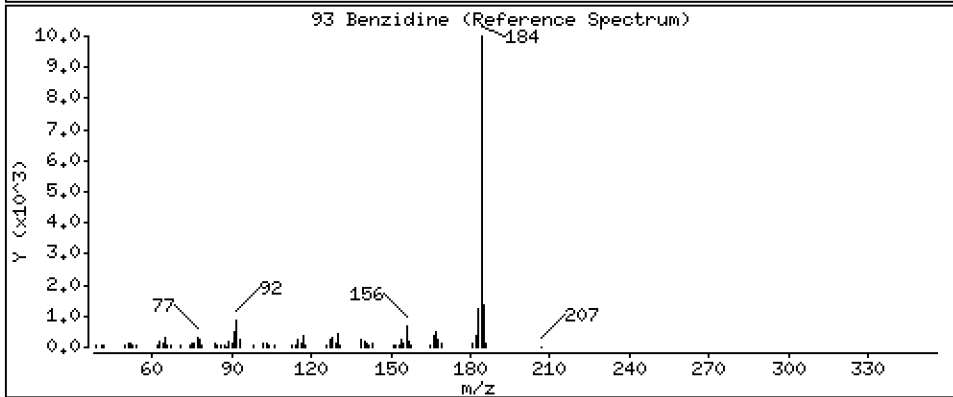
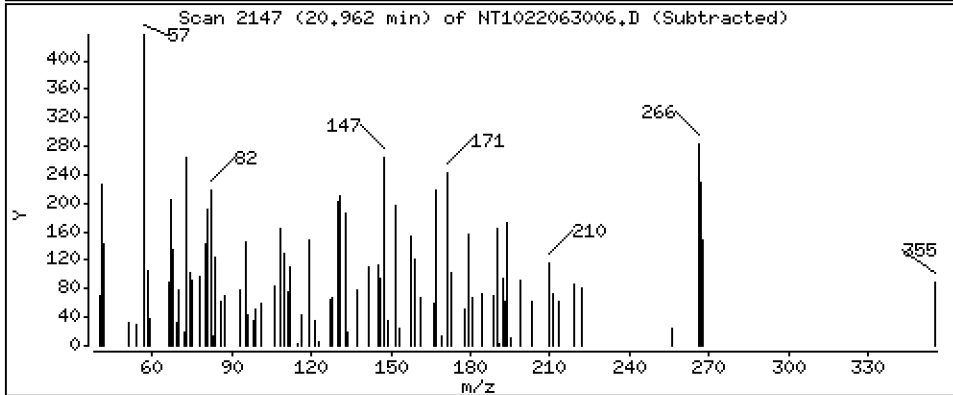
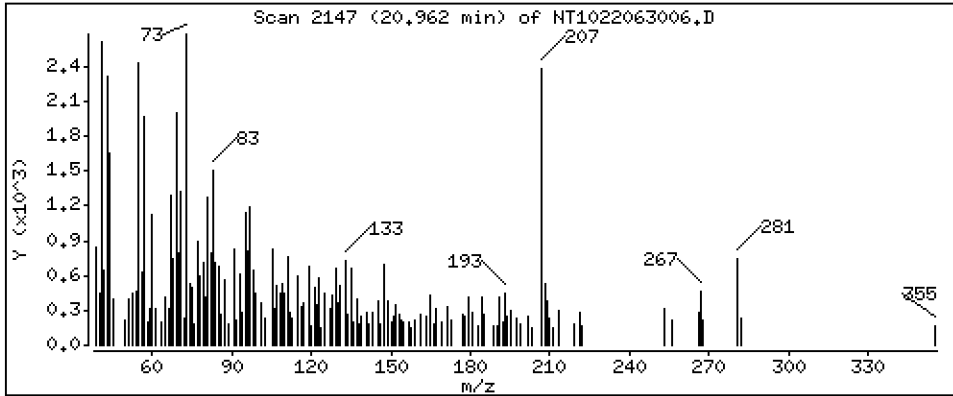
Operator: VTS

Column phase: ZB-5msi

Column diameter: 0,25

Concentration: 0,01395 ug/mL

93 Benzidine



Date : 30-JUN-2022 16:46

Client ID:

Instrument: nt10.i

Sample Info: BKF0469-BS1

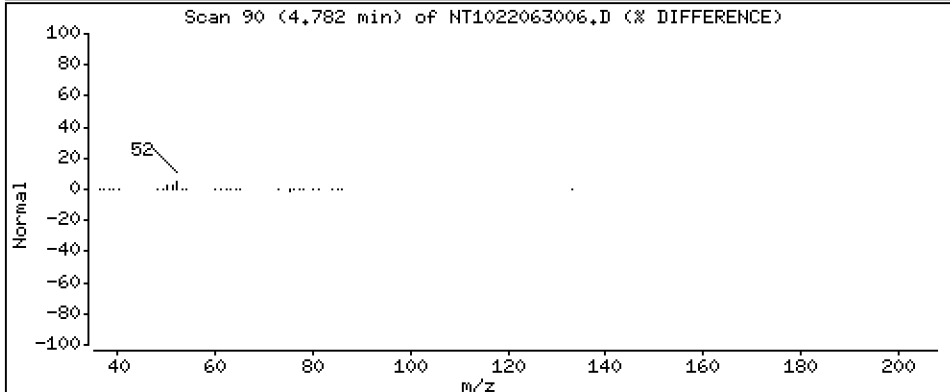
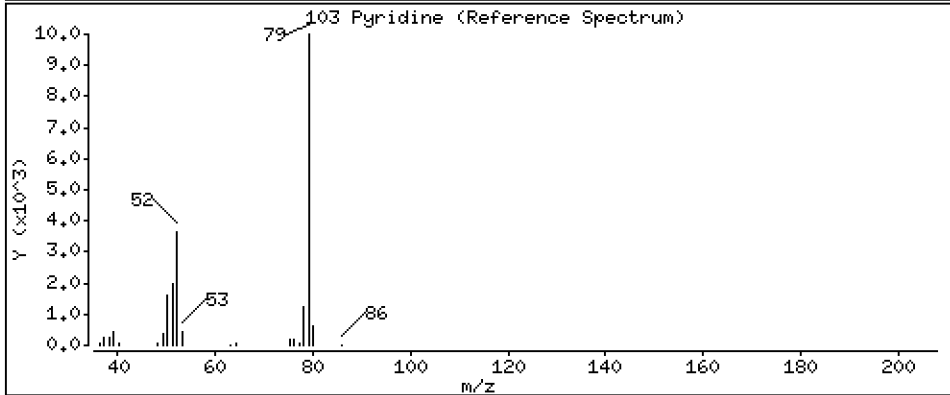
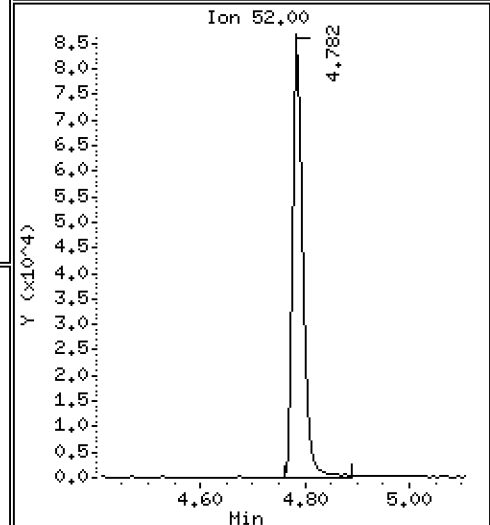
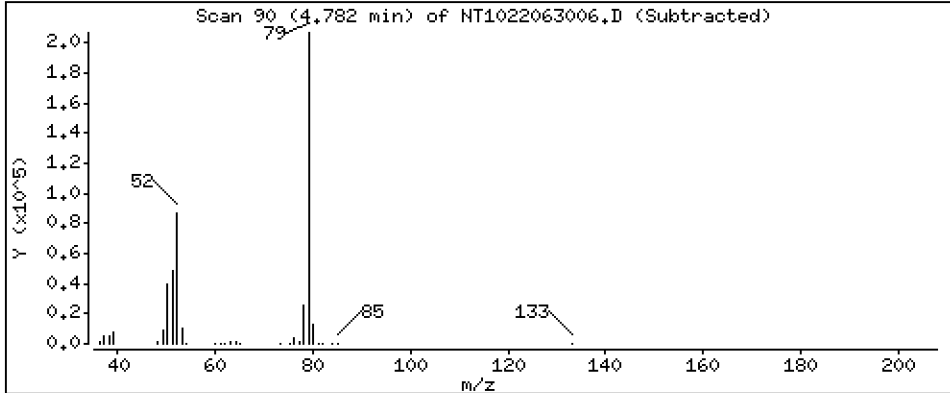
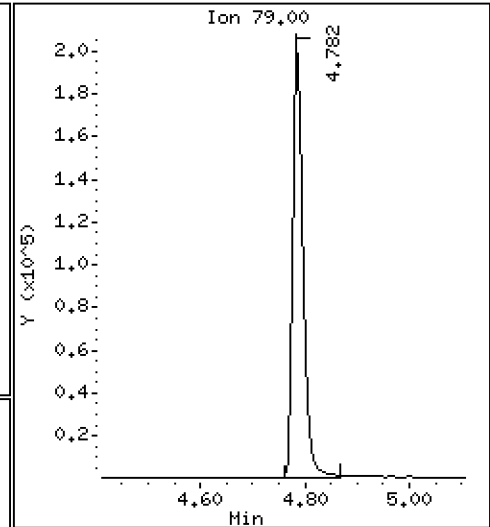
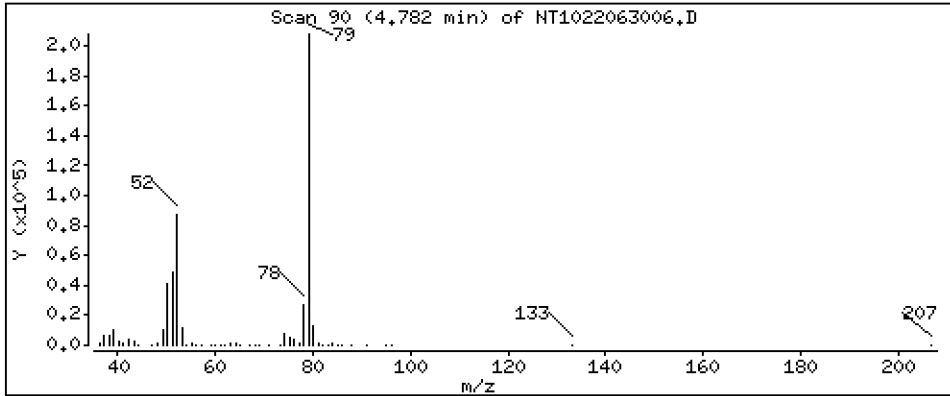
Operator: VTS

Column phase: ZB-5msi

Column diameter: 0,25

103 Pyridine

Concentration: 1,815 ug/mL



Date : 30-JUN-2022 16:46

Client ID:

Instrument: nt10.i

Sample Info: BKF0469-BS1

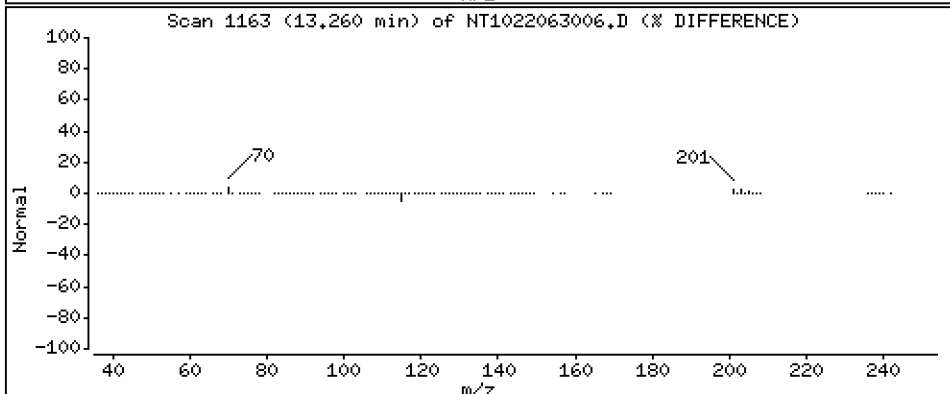
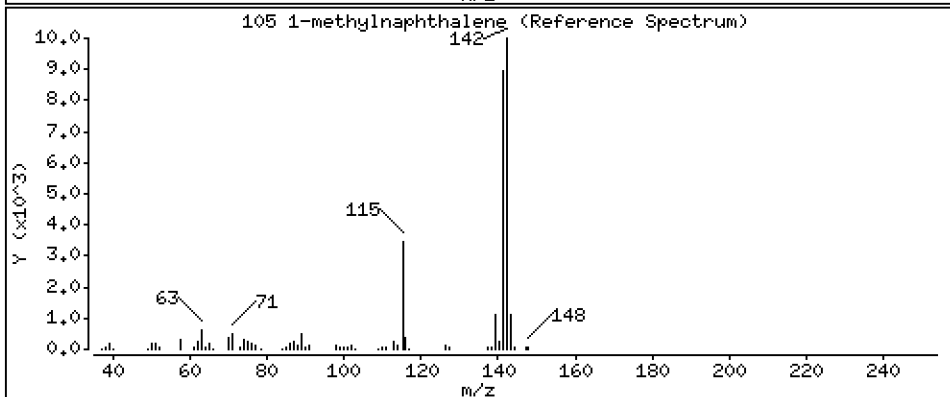
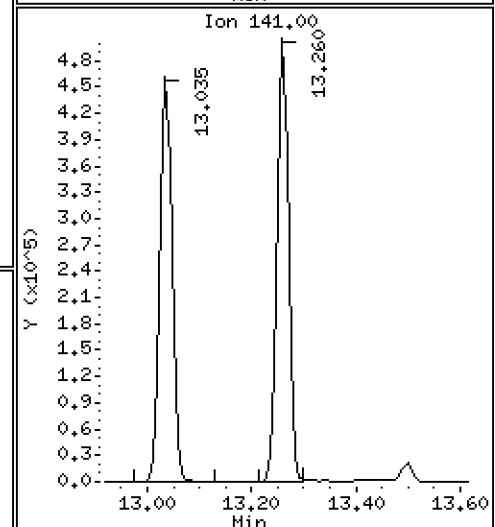
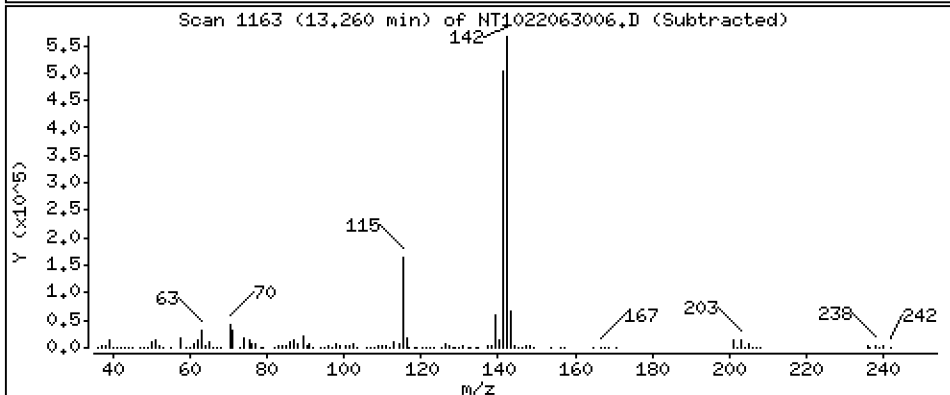
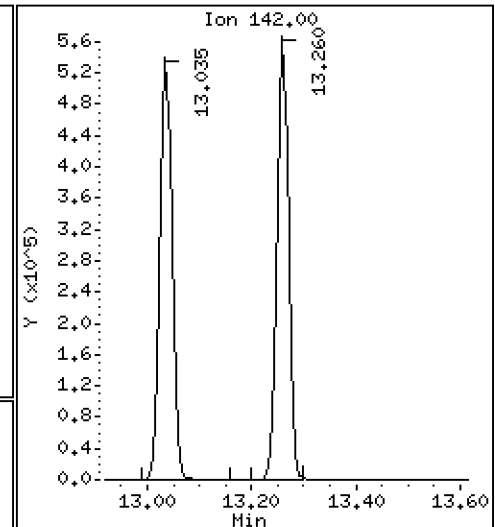
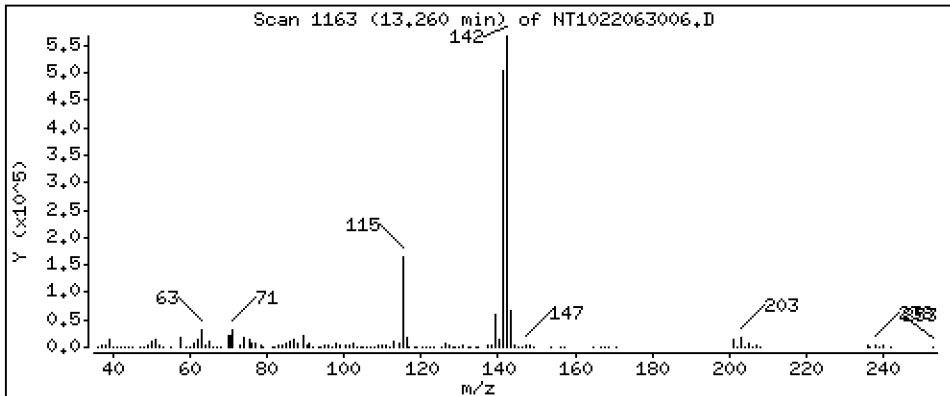
Operator: VTS

Column phase: ZB-5msi

Column diameter: 0,25

105 1-methylnaphthalene

Concentration: 4,034 ug/mL



Date : 30-JUN-2022 16:46

Client ID:

Instrument: nt10.i

Sample Info: BKF0469-BS1

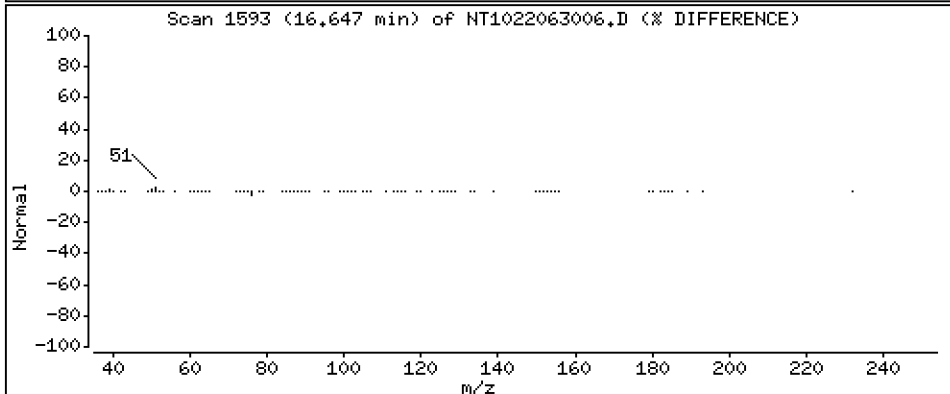
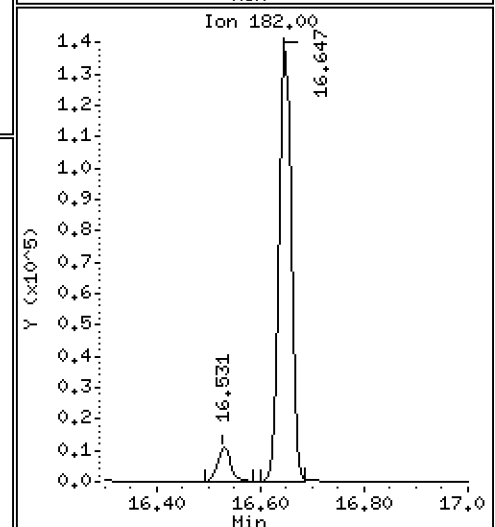
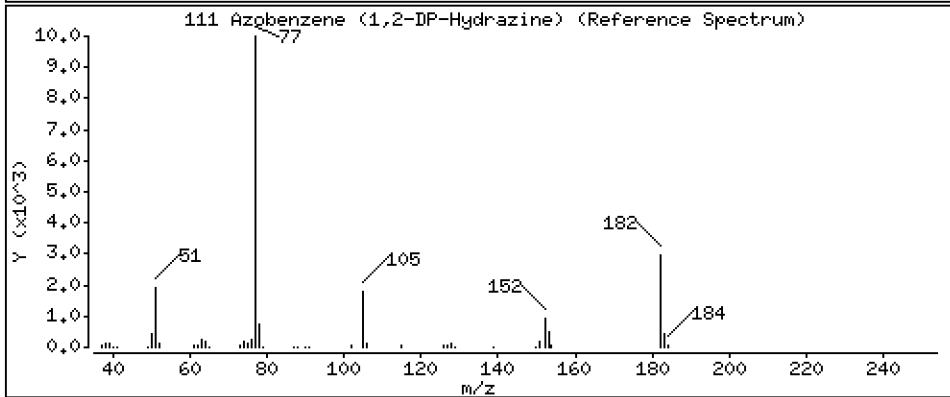
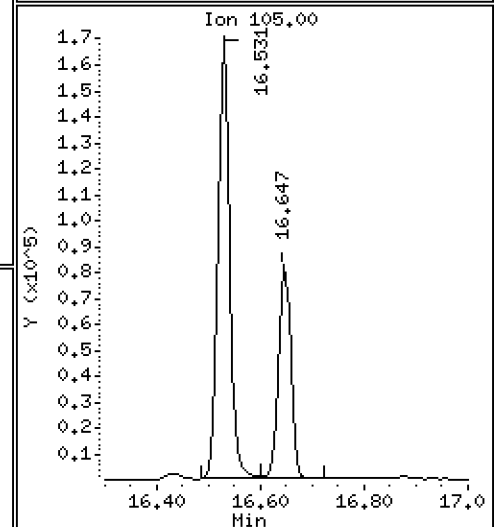
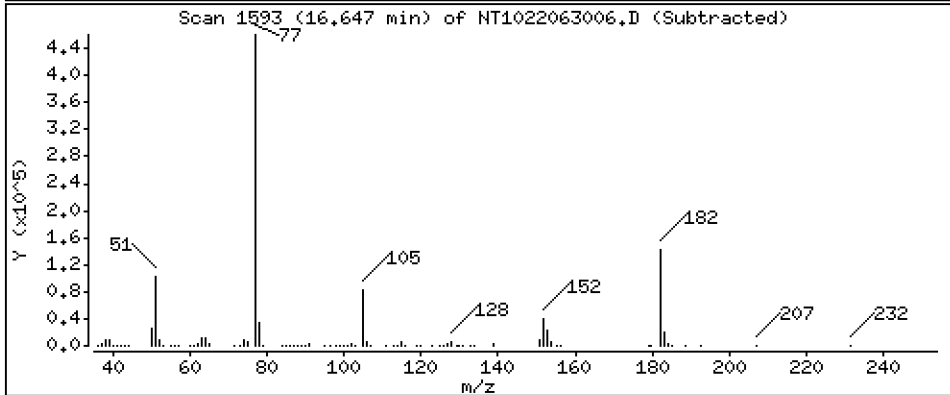
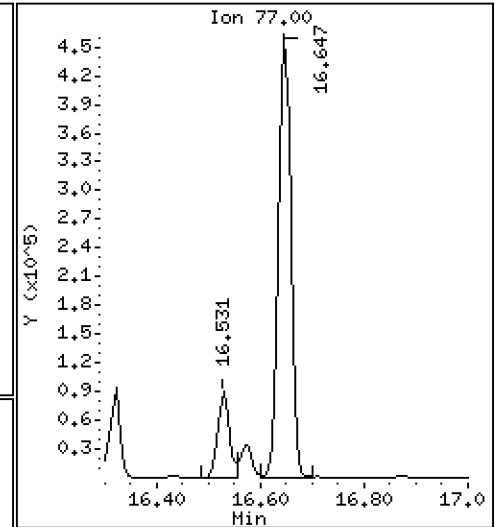
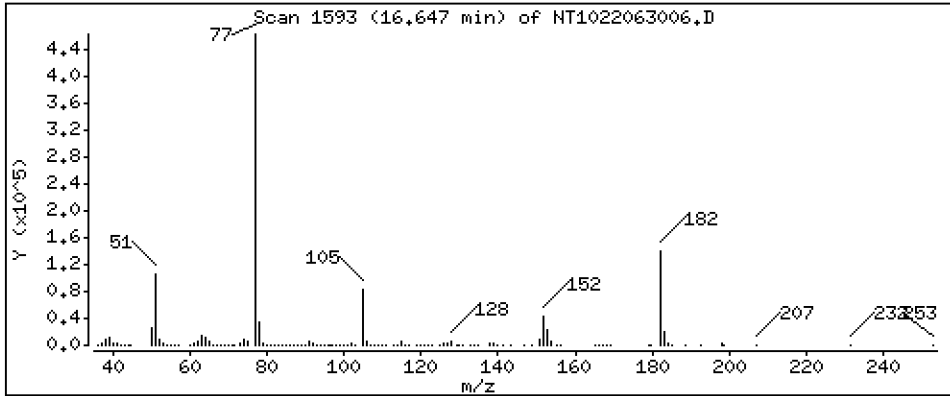
Operator: VTS

Column phase: ZB-5msi

Column diameter: 0,25

111 Azobenzene (1,2-DP-Hydrazine)

Concentration: 3,915 ug/mL



Date : 30-JUN-2022 16:46

Client ID:

Instrument: nt10.i

Sample Info: BKF0469-BS1

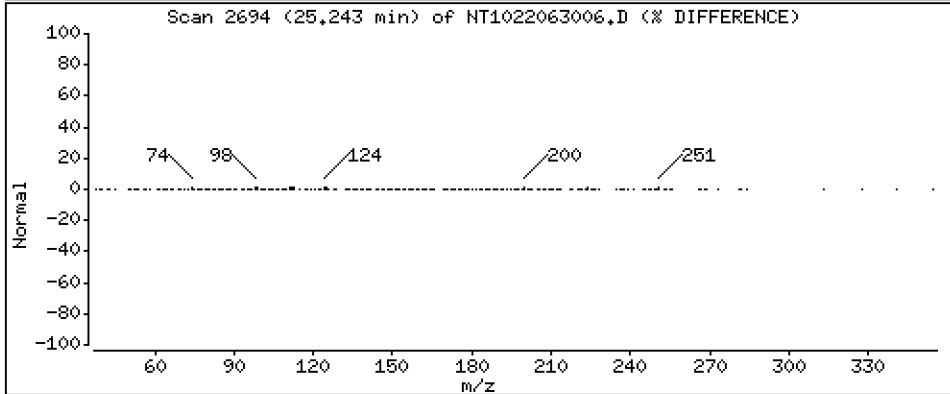
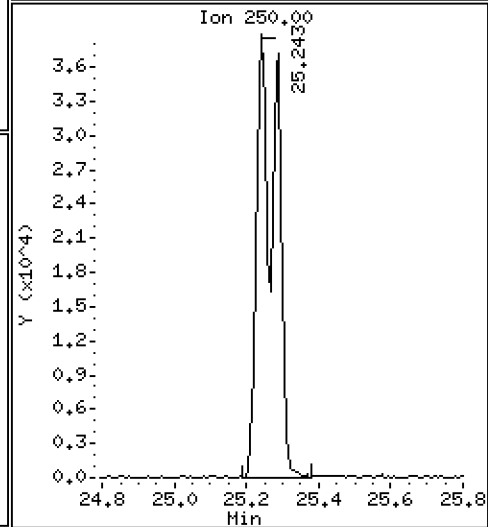
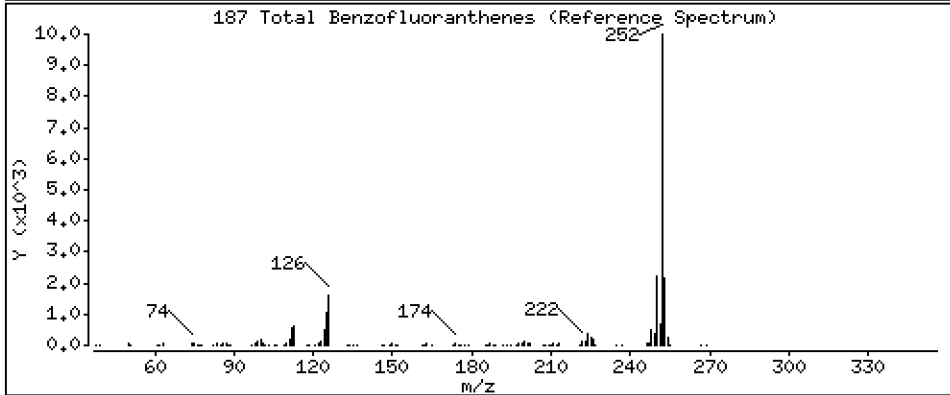
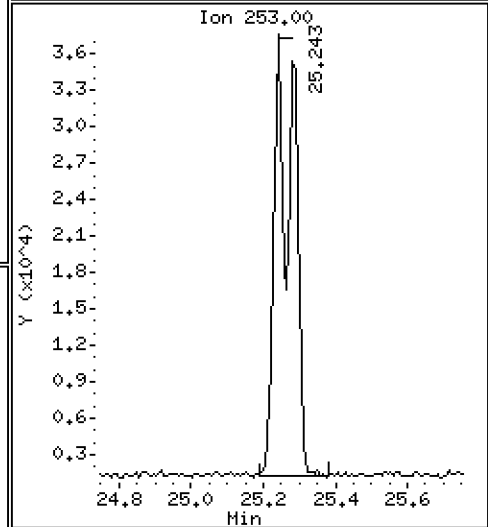
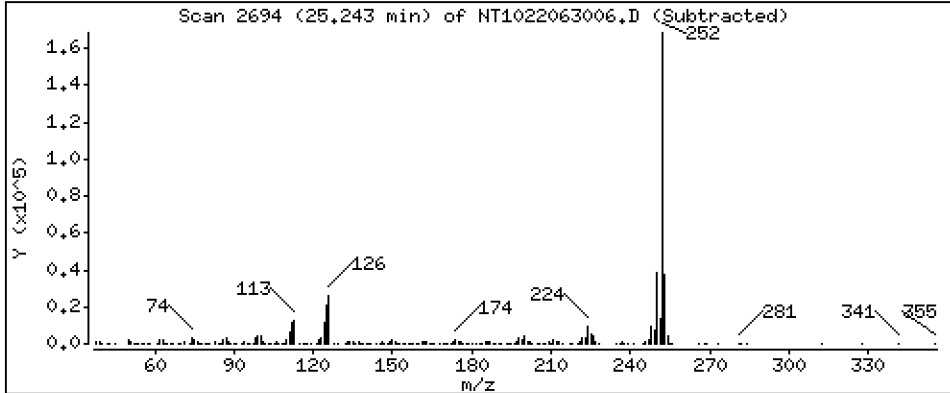
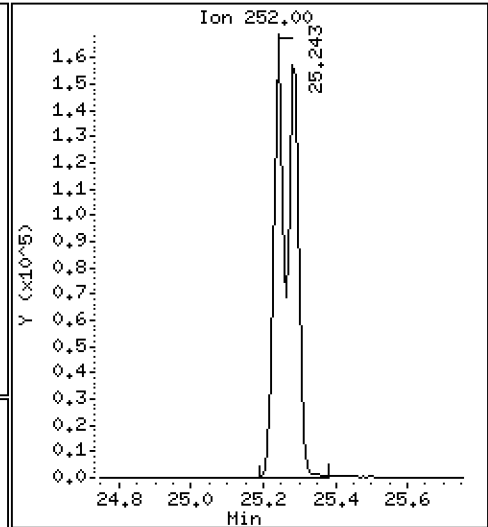
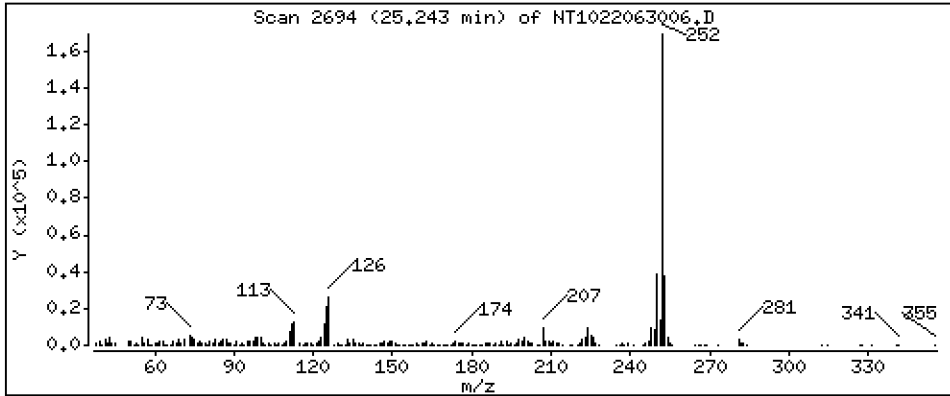
Operator: VTS

Column phase: ZB-5msi

Column diameter: 0,25

187 Total Benzofluoranthenes

Concentration: 7,154 ug/mL



Date : 30-JUN-2022 16:46

Client ID:

Instrument: nt10.i

Sample Info: BKF0469-BS1

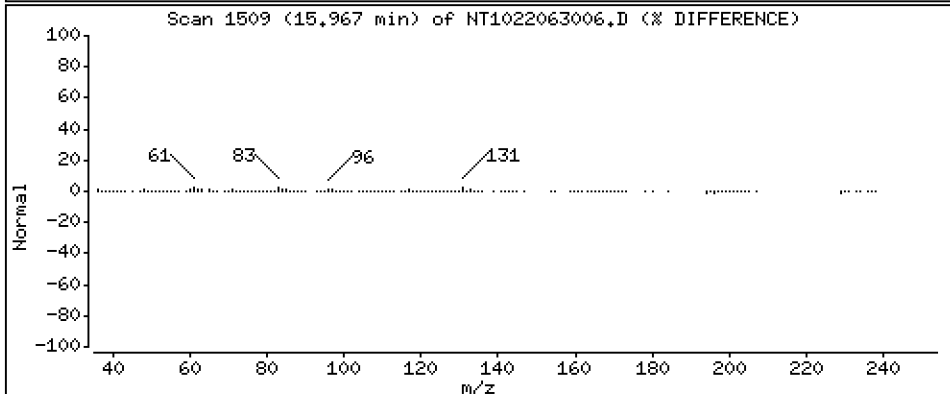
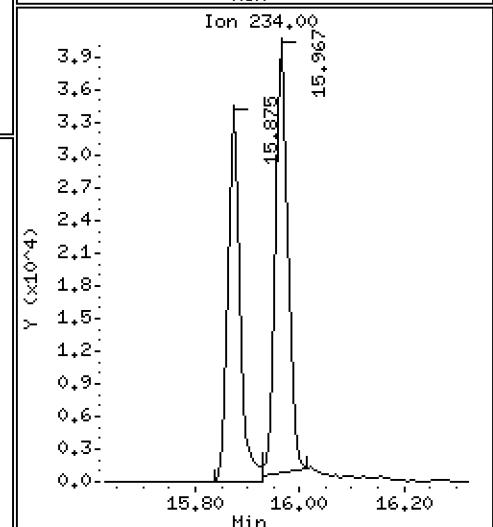
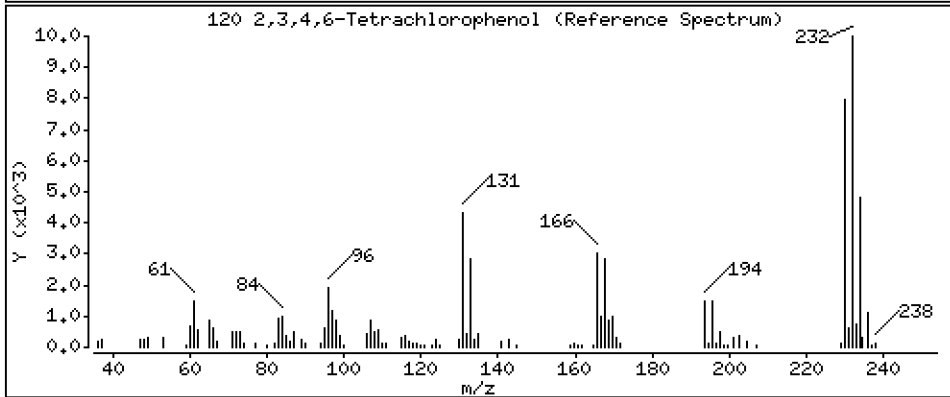
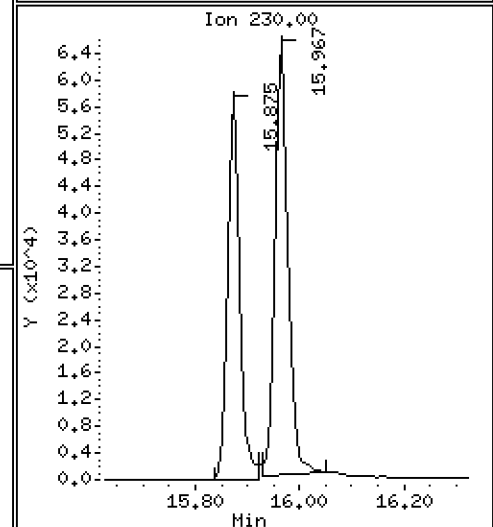
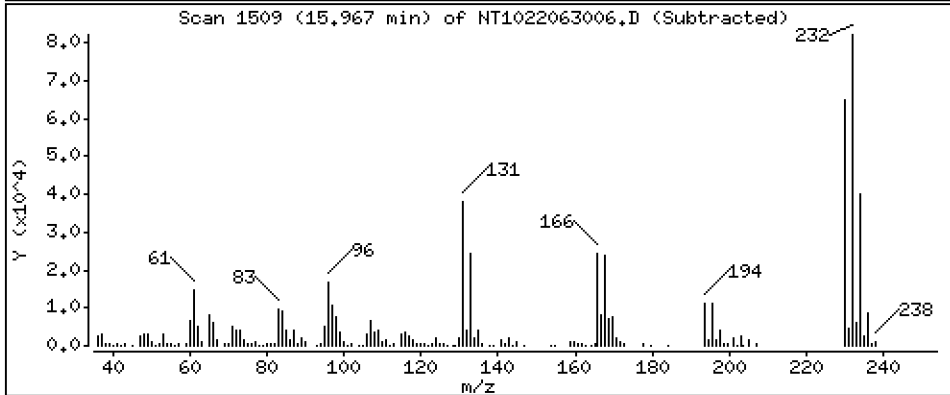
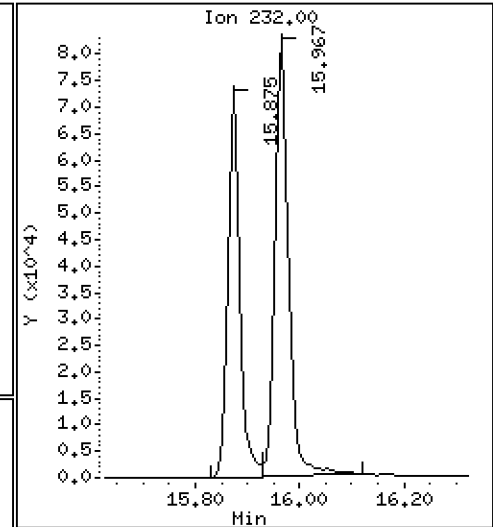
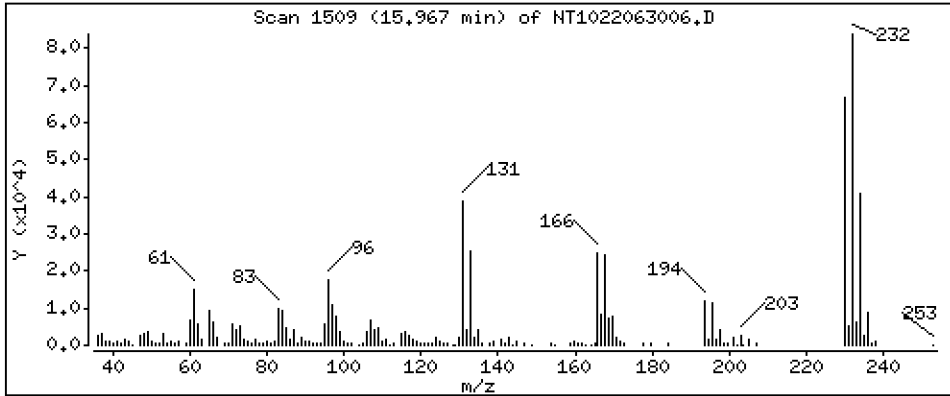
Operator: VTS

Column phase: ZB-5msi

Column diameter: 0,25

120 2,3,4,6-Tetrachlorophenol

Concentration: 4,045 ug/mL



ARI Labs, Inc.

Semivolatile Report SW846 Method 8270D

Data file : \\target\share\chem3\nt10.i\20220630.b\NT1022063006.D
 Lab Smp Id: BKF0469-BS1
 Inj Date : 30-JUN-2022 16:46
 Operator : VTS
 Smp Info : BKF0469-BS1
 Misc Info :
 Comment : 1ul Injection
 Method : \\target\share\chem3\nt10.i\20220630.b\ABN.m
 Meth Date : 01-Jul-2022 17:13 yev
 Cal Date : 23-JUN-2022 13:07
 Als bottle: 5
 Dil Factor: 1.00000
 Integrator: HP RTE
 Target Version: 4.14
 Processing Host: ORGDATA102

Inst ID: nt10.i

Quant Type: ISTD
 Cal File: NT1022062308.D

Compound Sublist: ICAL.sub

Compounds	QUANT	SIG	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS	
							ON-COLUMN (ug/mL)	FINAL (ug/mL)
\$ 1 2-Fluorophenol	112		6.921	6.922	(0.760)	556669	6.37980	6.380
\$ 2 Phenol-d5	99		8.505	8.513	(0.934)	838241	6.47454	6.475
3 Phenol	94		8.528	8.529	(0.936)	393427	3.48734	3.487
\$ 5 2-Chlorophenol-d4	132		8.760	8.768	(0.962)	674970	7.59183	7.592
4 Bis(2-Chloroethyl)ether	93		8.652	8.660	(0.950)	318808	3.92660	3.927
6 2-Chlorophenol	128		8.791	8.791	(0.965)	336577	3.74222	3.742
7 1,3-Dichlorobenzene	146		9.046	9.055	(0.993)	346258	3.55943	3.559
* 8 1,4-Dichlorobenzene-d4	152		9.109	9.117	(1.000)	238954	4.00000	
9 1,4-Dichlorobenzene	146		9.140	9.148	(1.003)	287829	3.75360	3.754
\$ 10 1,2-Dichlorobenzene-d4	152		9.473	9.474	(1.040)	255637	4.66620	4.666
12 1,2-Dichlorobenzene	146		9.497	9.505	(1.043)	310102	3.80946	3.809
11 Benzyl alcohol	108		9.388	9.396	(1.031)	196914	4.38160	4.382
14 2,2'-oxybis(1-Chloropropane)	121		9.683	9.683	(1.063)	105059	5.45733	5.457
13 2-Methylphenol	108		9.629	9.637	(1.057)	242914	3.49227	3.492
17 Hexachloroethane	117		10.086	10.087	(1.107)	136543	3.99458	3.995
16 N-Nitroso-di-n-propylamine	70		9.931	9.939	(1.090)	162592	3.36106	3.361
15 4-Methylphenol	108		9.900	9.901	(1.087)	279045	3.75386	3.754
\$ 18 Nitrobenzene-d5	82		10.203	10.211	(0.880)	408581	4.81027	4.810
19 Nitrobenzene	77		10.234	10.242	(0.883)	341789	3.99238	3.992
20 Isophorone	82		10.684	10.692	(0.921)	730460	5.89817	5.898
21 2-Nitrophenol	139		10.868	10.876	(0.937)	223502	4.13325	4.133
22 2,4-Dimethylphenol	107		10.935	10.944	(0.943)	567225	8.63500	8.635
23 Bis(2-Chloroethoxy)methane	93		11.114	11.123	(0.958)	317543	4.26770	4.268
24 Benzoic acid	105		11.156	11.123	(0.962)	575871	16.5085	16.51
25 2,4-Dichlorophenol	162		11.343	11.352	(0.978)	888231	13.3045	13.30
26 1,2,4-Trichlorobenzene	180		11.511	11.519	(0.993)	252878	3.52882	3.529
* 27 Naphthalene-d8	136		11.596	11.604	(1.000)	798255	4.00000	
28 Naphthalene	128		11.635	11.643	(1.003)	759425	3.71723	3.717
29 4-Chloroaniline	127		11.774	11.774	(1.015)	1055235	11.6978	11.70
30 Hexachlorobutadiene	225		11.998	11.998	(1.035)	137611	4.02530	4.025
31 4-Chloro-3-methylphenol	107		12.756	12.764	(1.100)	1039336	12.7759	12.78
32 2-Methylnaphthalene	142		13.035	13.043	(1.124)	824160	4.05903	4.059
33 Hexachlorocyclopentadiene	237		13.499	13.507	(0.887)	218579	8.04804	8.048

Compounds	QUANT SIG					CONCENTRATIONS	
	MASS	RT	EXP RT	REL RT	RESPONSE	ON-COLUMN (ug/mL)	FINAL (ug/mL)
34 2,4,6-Trichlorophenol	196	13.669	13.677	(0.898)	751434	14.5415	14.54
35 2,4,5-Trichlorophenol	196	13.754	13.770	(0.904)	790236	12.8852	12.89
§ 36 2-Fluorobiphenyl	172	13.816	13.824	(0.908)	1008218	4.90010	4.900
37 2-Chloronaphthalene	162	14.033	14.041	(0.922)	742059	4.09111	4.091
38 2-Nitroaniline	65	14.296	14.304	(0.939)	720408	14.8481	14.85
39 Dimethylphthalate	163	14.722	14.730	(0.967)	638062	4.00167	4.002
40 Acenaphthylene	152	14.908	14.916	(0.980)	859207	3.23273	3.233
41 2,6-Dinitrotoluene	165	14.869	14.869	(0.977)	535323	14.4557	14.46
* 42 Acenaphthene-d10	164	15.217	15.225	(1.000)	454678	4.00000	
43 3-Nitroaniline	138	15.155	15.163	(0.996)	616367	14.1387	14.14
44 Acenaphthene	153	15.287	15.295	(1.005)	511042	3.86472	3.865
45 2,4-Dinitrophenol	184	15.372	15.387	(1.010)	222933	13.1711	13.17
46 Dibenzofuran	168	15.619	15.619	(1.026)	897418	4.27040	4.270
47 4-Nitrophenol	109	15.534	15.550	(1.021)	188163	12.8519	12.85
48 2,4-Dinitrotoluene	165	15.681	15.689	(1.030)	774552	15.6491	15.65
50 Diethylphthalate	149	16.183	16.191	(1.064)	828961	6.06052	6.061
49 Fluorene	166	16.330	16.338	(1.073)	781037	3.11041	3.110
51 4-Chlorophenyl-phenylether	204	16.323	16.331	(1.073)	238547	2.16327	2.163
52 4-Nitroaniline	138	16.431	16.439	(1.080)	643396	14.7353	14.74
53 4,6-Dinitro-2-methylphenol	198	16.531	16.539	(0.905)	670313	22.6200	22.62
54 N-Nitrosodiphenylamine	169	16.577	16.577	(0.907)	490067	4.10240	4.102
§ 55 2,4,6-Tribromophenol	330	16.878	16.878	(1.109)	164659	7.94139	7.941
56 4-Bromophenyl-phenylether	248	17.325	17.333	(0.948)	261895	4.73184	4.732
57 Hexachlorobenzene	284	17.650	17.658	(0.966)	207596	4.06503	4.065
58 Pentachlorophenol	266	18.021	18.029	(0.986)	128333	10.7301	10.73
* 59 Phenanthrene-d10	188	18.269	18.277	(1.000)	759715	4.00000	
60 Phenanthrene	178	18.323	18.331	(1.003)	787695	3.94653	3.947
61 Anthracene	178	18.416	18.424	(1.008)	850863	4.00035	4.000
62 Carbazole	167	18.749	18.757	(1.026)	963939	4.91244	4.912
63 Di-n-butylphthalate	149	19.545	19.554	(1.070)	1419828	4.67221	4.672
64 Fluoranthene	202	20.714	20.722	(0.887)	1208398	5.02605	5.026
65 Pyrene	202	21.139	21.147	(0.905)	1156658	5.45366	5.454
§ 66 Terphenyl-d14	244	21.426	21.434	(0.918)	730945	6.36917	6.369
67 Butylbenzylphthalate	149	22.355	22.363	(0.958)	350607	5.27739	5.277
68 Benzo(a)anthracene	228	23.315	23.331	(0.999)	504083	3.61731	3.617
* 69 Chrysene-d12	240	23.346	23.354	(1.000)	328861	4.00000	
70 3,3'-Dichlorobenzidine	252	23.276	23.284	(0.997)	588310	12.9556	12.96
71 Chrysene	228	23.392	23.400	(1.002)	392701	4.07906	4.079
72 bis(2-Ethylhexyl)phthalate	149	23.392	23.400	(0.959)	362575	5.40293	5.403
* 134 Di-n-octylphthalate-d4	153	24.399	24.407	(1.000)	607131	4.00000	
73 Di-n-octylphthalate	149	24.406	24.415	(1.000)	616992	4.47112	4.471
74 Benzo(b)fluoranthene	252	25.243	25.251	(0.970)	334771	3.67638	3.676
75 Benzo(k)fluoranthene	252	25.281	25.297	(0.971)	302976	3.46014	3.460
76 Benzo(a)pyrene	252	25.916	25.924	(0.996)	270242	3.62607	3.626
* 77 Perylene-d12	264	26.032	26.041	(1.000)	201067	4.00000	
78 Indeno(1,2,3-cd)pyrene	276	28.790	28.806	(1.106)	273597	3.43827	3.438
79 Dibenzo(a,h)anthracene	278	28.798	28.814	(1.106)	221931	3.64318	3.643
80 Benzo(g,h,i)perylene	276	29.606	29.622	(1.137)	231140	3.63377	3.634
90 N-Nitrosodimethylamine	74	4.758	4.736	(0.522)	499352	8.74685	8.747
91 Aniline	93	8.575	8.575	(0.941)	978792	8.67475	8.675
93 Benzidine	184	20.961	20.962	(0.898)	677	0.01395	0.01395
103 Pyridine	79	4.782	4.759	(0.525)	293701	1.81484	1.815
105 1-methylnaphthalene	142	13.259	13.267	(1.143)	804704	4.03398	4.034
111 Azobenzene (1,2-DP-Hydrazine)	77	16.646	16.655	(1.094)	710955	3.91514	3.915

Compounds	QUANT SIG	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS	
						ON-COLUMN (ug/mL)	FINAL (ug/mL)
187 Total Benzofluoranthenes	252	25.243	25.251	(0.970)	607439	7.15447	7.154
120 2,3,4,6-Tetrachlorophenol	232	15.967	15.975	(1.049)	160730	4.04485	4.045

ARI Labs, Inc.

INTERNAL STANDARD COMPOUNDS
 AREA AND RT SUMMARY

Instrument ID: nt10.i Calibration Date: 30-JUN-2022
 Lab File ID: NT1022063006.D Calibration Time: 14:09
 Lab Smp Id: BKF0469-BS1
 Analysis Type: SV Level:
 Quant Type: ISTD Sample Type:
 Operator: VTS
 Method File: \\target\share\chem3\nt10.i\20220630.b\ABN.m
 Misc Info:

Test Mode:
 Use Last Continuing Calibrator.

COMPOUND	STANDARD	AREA LIMIT		SAMPLE	%DIFF
		LOWER	UPPER		
8 1,4-Dichlorobenze	207392	103696	414784	238954	15.22
27 Naphthalene-d8	696938	348469	1393876	798255	14.54
42 Acenaphthene-d10	395441	197721	790882	454678	14.98
59 Phenanthrene-d10	603067	301534	1206134	759715	25.98
69 Chrysene-d12	148146	74073	296292	328861	121.98
134 Di-n-octylphthala	308009	154005	616018	607131	97.11
77 Perylene-d12	115550	57775	231100	201067	74.01

<-

COMPOUND	STANDARD	RT LIMIT		SAMPLE	%DIFF
		LOWER	UPPER		
8 1,4-Dichlorobenze	9.12	8.62	9.62	9.11	-0.09
27 Naphthalene-d8	11.60	11.10	12.10	11.60	-0.07
42 Acenaphthene-d10	15.23	14.73	15.73	15.22	-0.05
59 Phenanthrene-d10	18.28	17.78	18.78	18.27	-0.04
69 Chrysene-d12	23.35	22.85	23.85	23.35	-0.03
134 Di-n-octylphthala	24.41	23.91	24.91	24.40	-0.03
77 Perylene-d12	26.04	25.54	26.54	26.03	-0.03

AREA UPPER LIMIT = +100% of internal standard area.
 AREA LOWER LIMIT = - 50% of internal standard area.
 RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
 RT LOWER LIMIT = - 0.50 minutes of internal standard RT.

REVIEW SUMMARY FOR FILE - NT1022063006.D

Lab ID: BKF0469-BS1
nt10.i, ABN.m, 30-JUN-2022 16:46

RT CO-ELUTION COMPOUNDS

NO CO-ELUTIONS

Quant Method: ICAL

RRT CHECK

RRT	CCV	RRT	DELTA	COMPOUND
-----	-----	-----	-------	----------

NONE

RRT check based on Ccal File: NT1022063002.D

On Column LOD for nt10.i, ABN.m, ICAL.sub = 0.0000

* Only compounds listed in the work order have been verified by the analyst *

Data File: \\target\share\chem3\nt10.1\20220630.1\NT1022063007.D

Date: 30-JUN-2022 17:25

Client ID:

Sample Info: BKF0469-BSM1

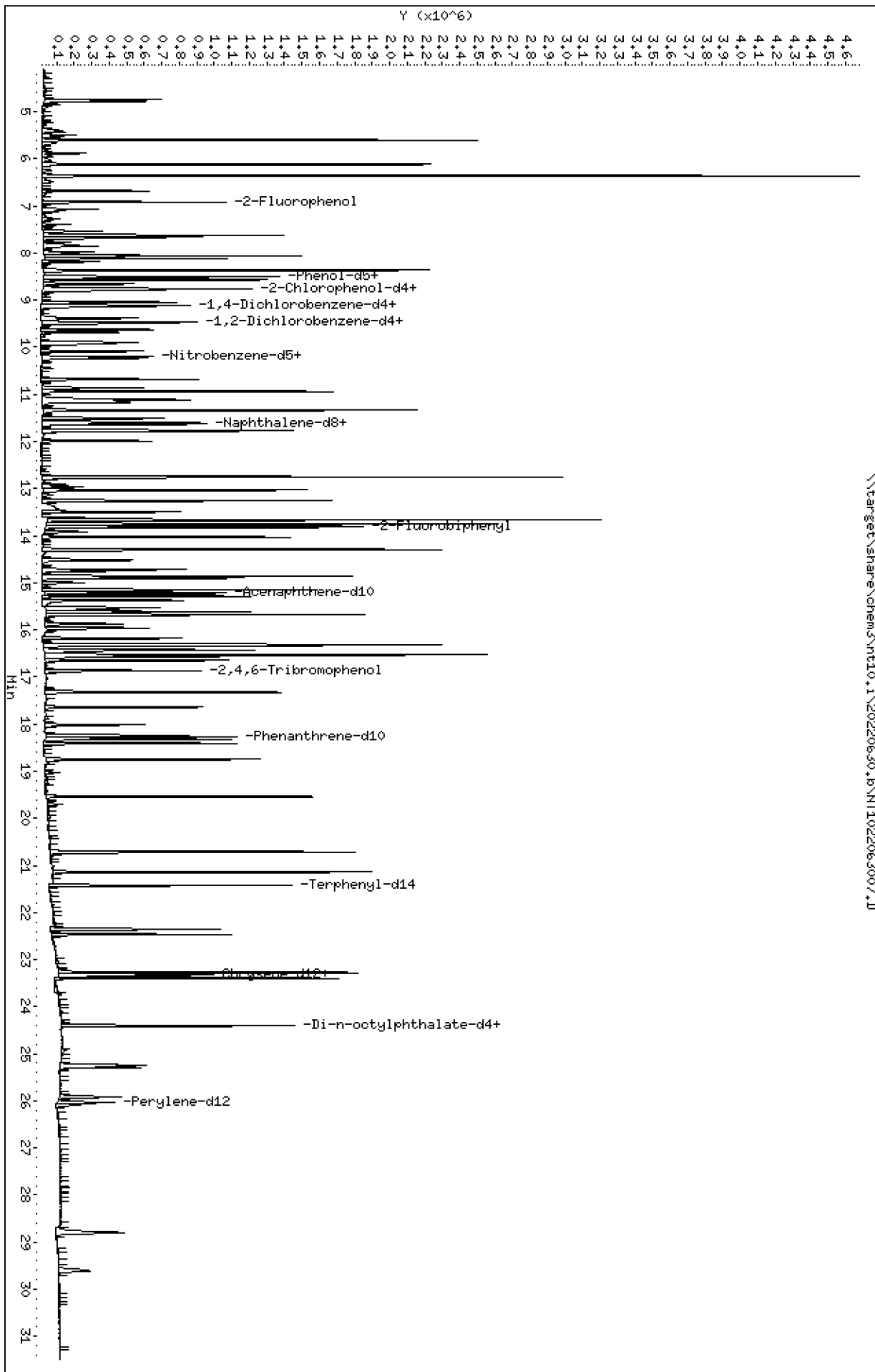
Column phase: ZB-5msi

Instrument: nt10.1

Operator: VTS

Column diameter: 0.25

\\target\share\chem3\nt10.1\20220630.1\NT1022063007.D



Date : 30-JUN-2022 17:25

Client ID:

Instrument: nt10.i

Sample Info: BKF0469-BSD1

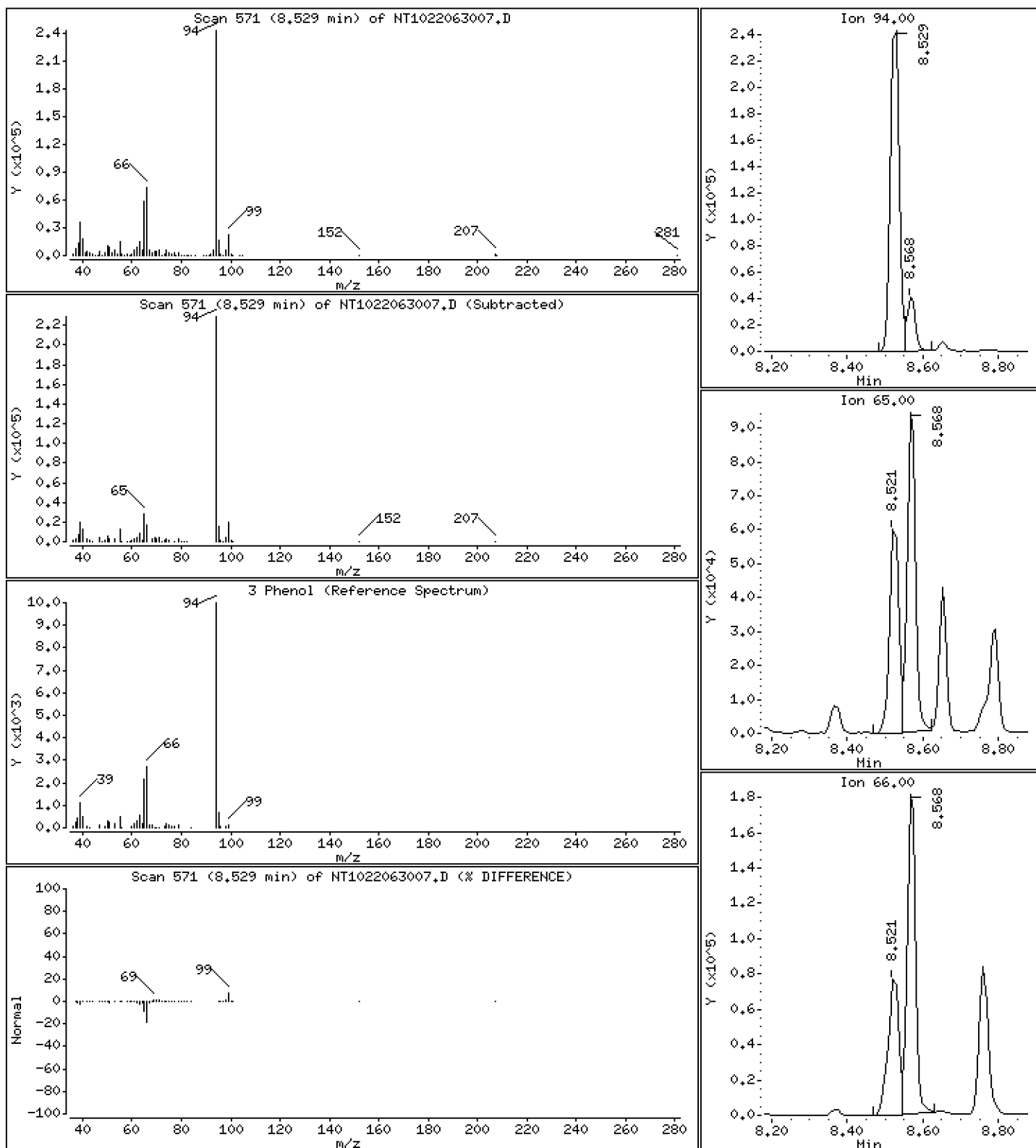
Operator: VTS

Column phase: ZB-5msi

Column diameter: 0,25

3 Phenol

Concentration: 3,403 ug/mL



Date : 30-JUN-2022 17:25

Client ID:

Instrument: nt10.i

Sample Info: BKF0469-BSD1

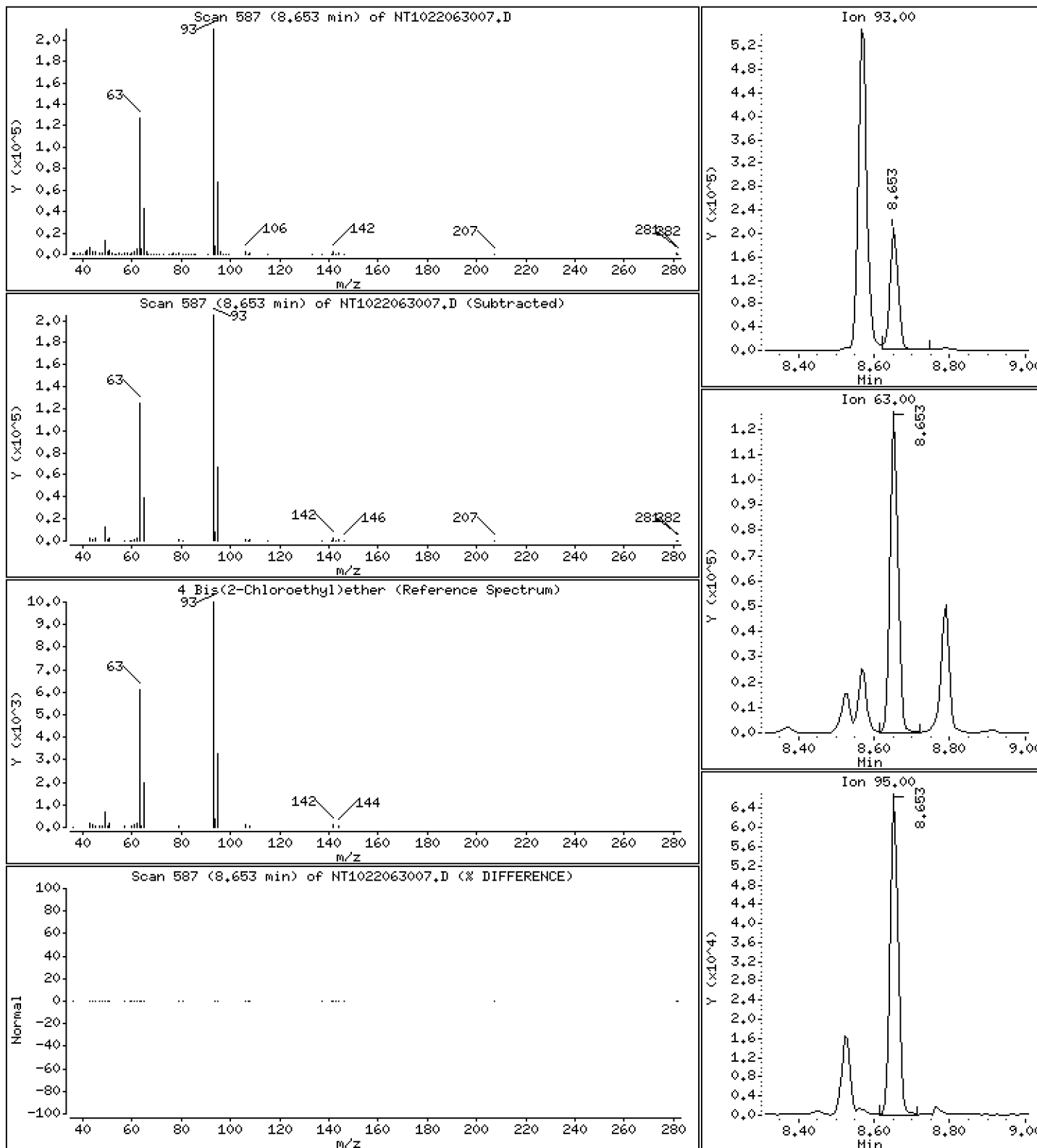
Operator: VTS

Column phase: ZB-5msi

Column diameter: 0,25

4 Bis(2-Chloroethyl)ether

Concentration: 3,761 ug/mL



Date : 30-JUN-2022 17:25

Client ID:

Instrument: nt10.i

Sample Info: BKF0469-BSD1

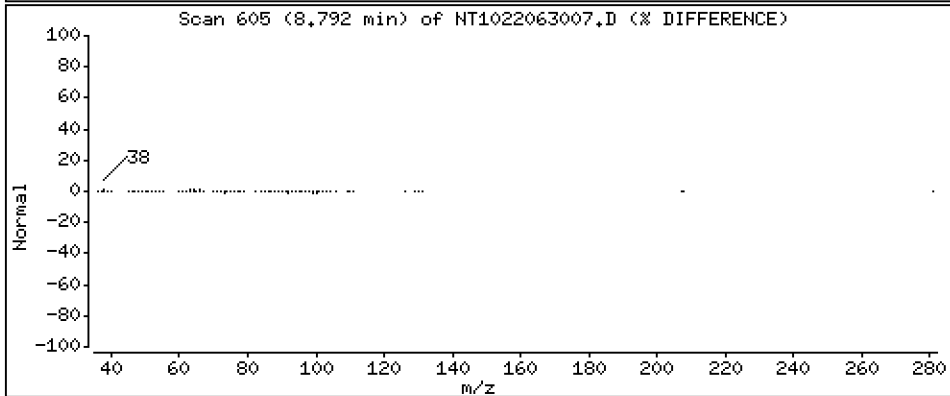
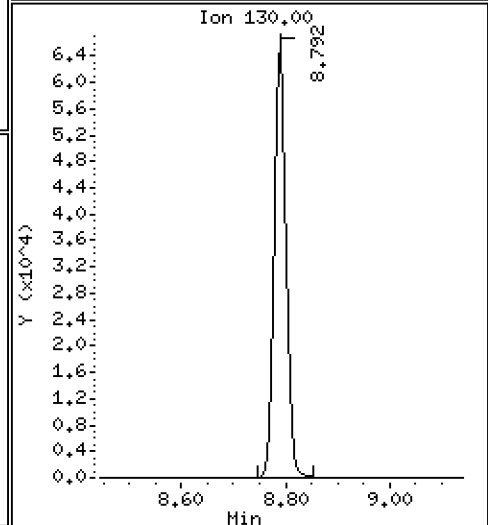
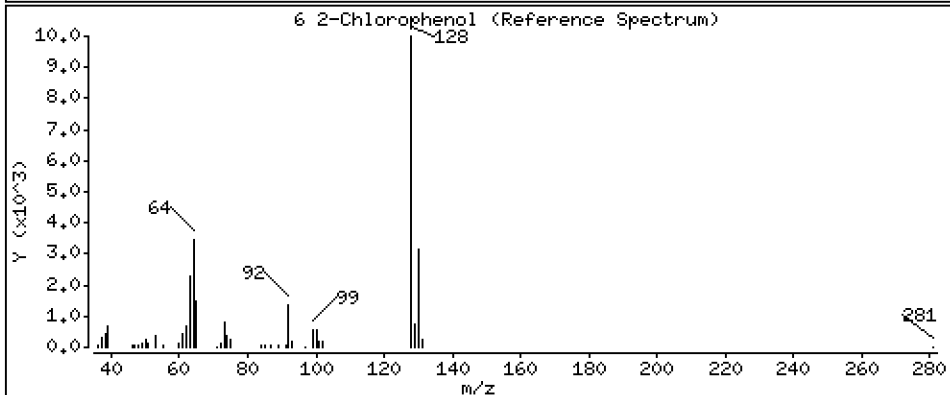
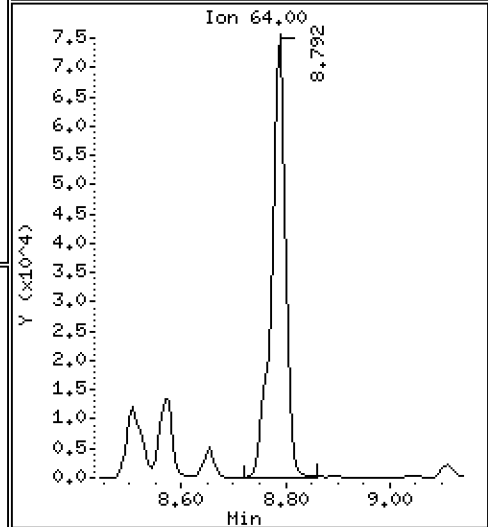
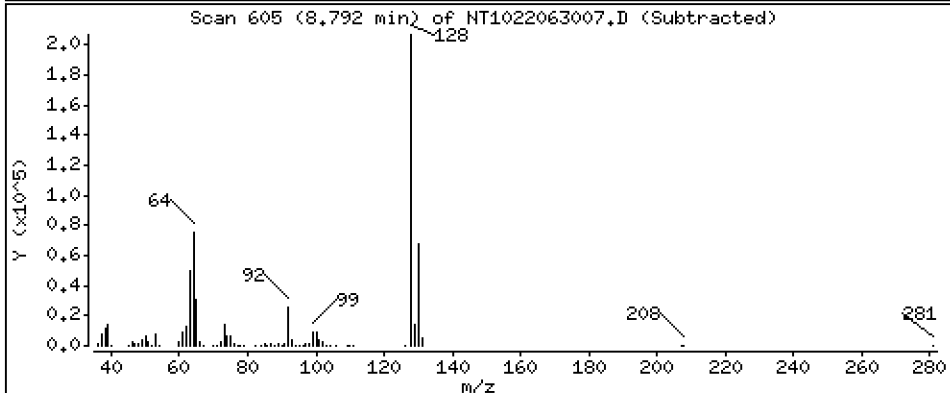
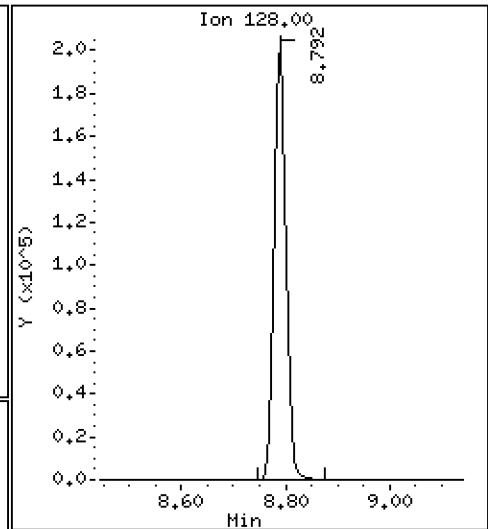
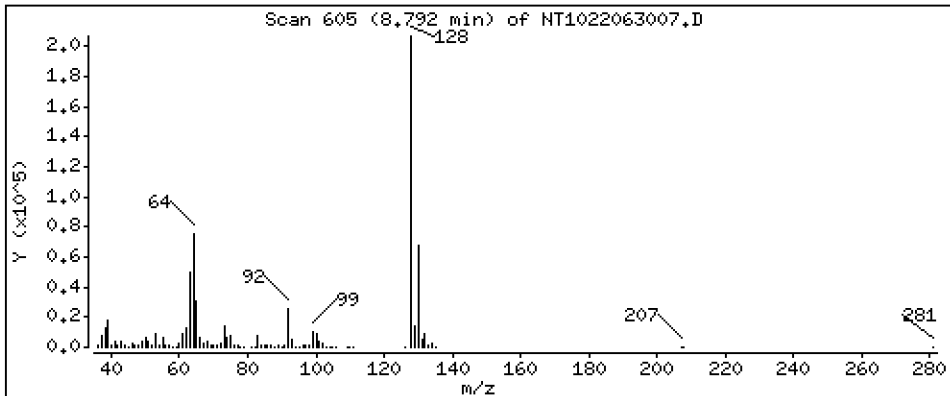
Operator: VTS

Column phase: ZB-5msi

Column diameter: 0,25

6 2-Chlorophenol

Concentration: 3,575 ug/mL



Date : 30-JUN-2022 17:25

Client ID:

Instrument: nt10.i

Sample Info: BKF0469-BSD1

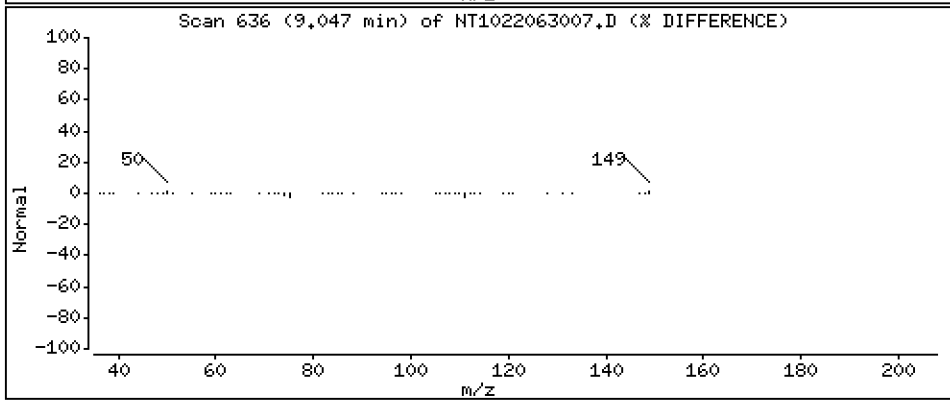
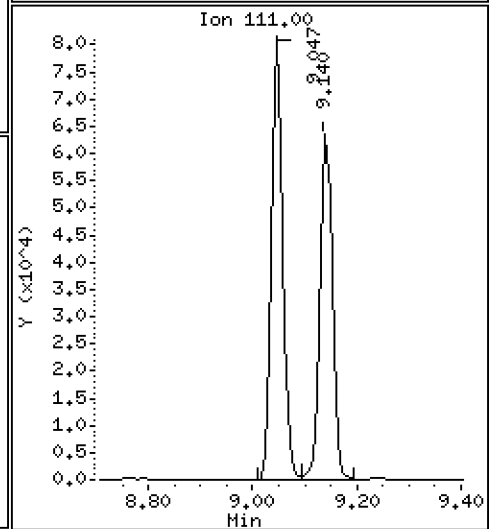
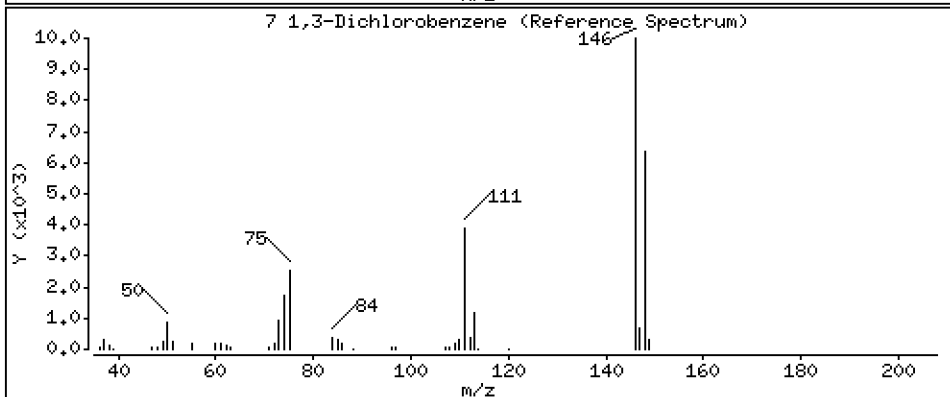
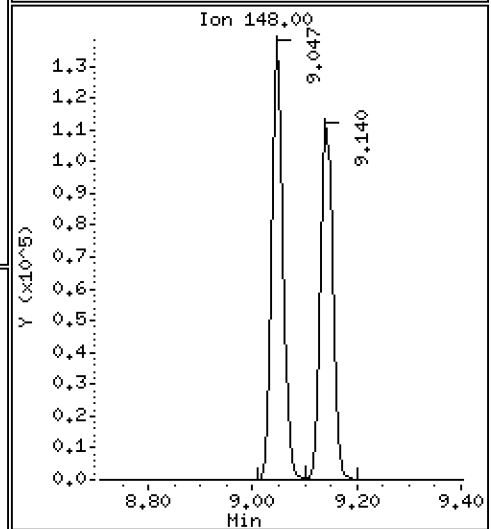
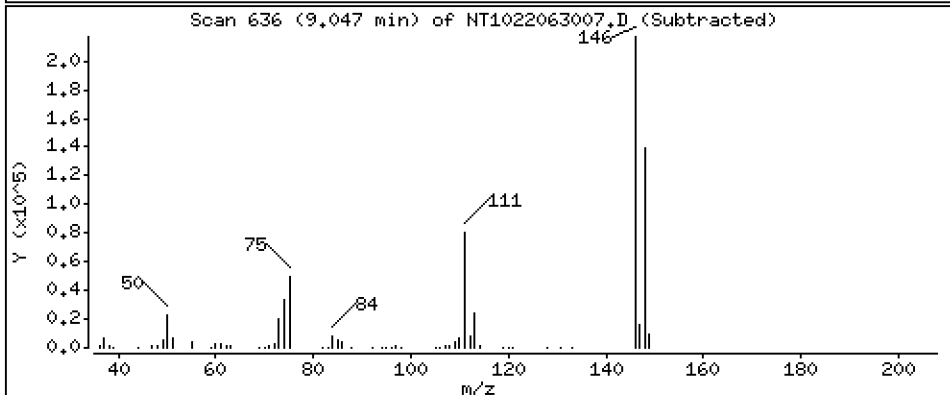
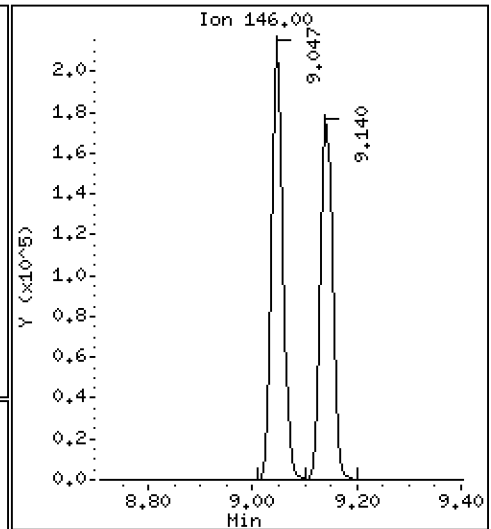
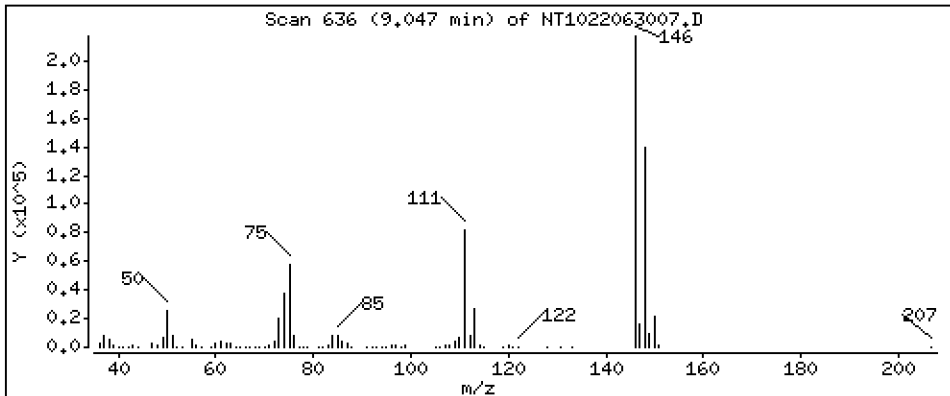
Operator: VTS

Column phase: ZB-5msi

Column diameter: 0,25

7 1,3-Dichlorobenzene

Concentration: 3,428 ug/mL



Date : 30-JUN-2022 17:25

Client ID:

Instrument: nt10.i

Sample Info: BKF0469-BSD1

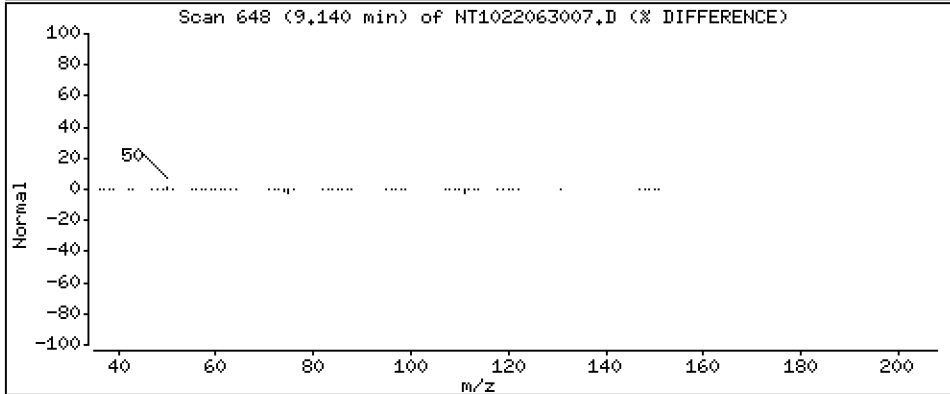
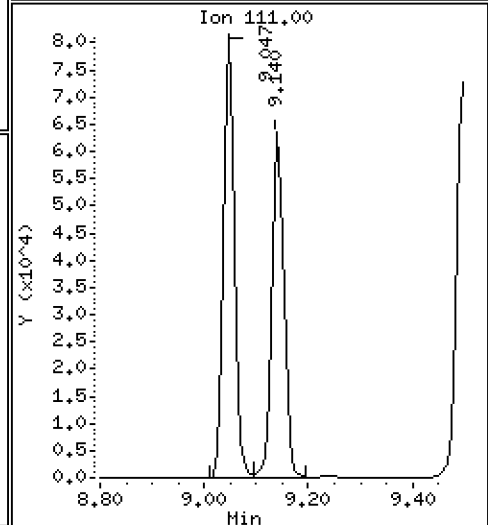
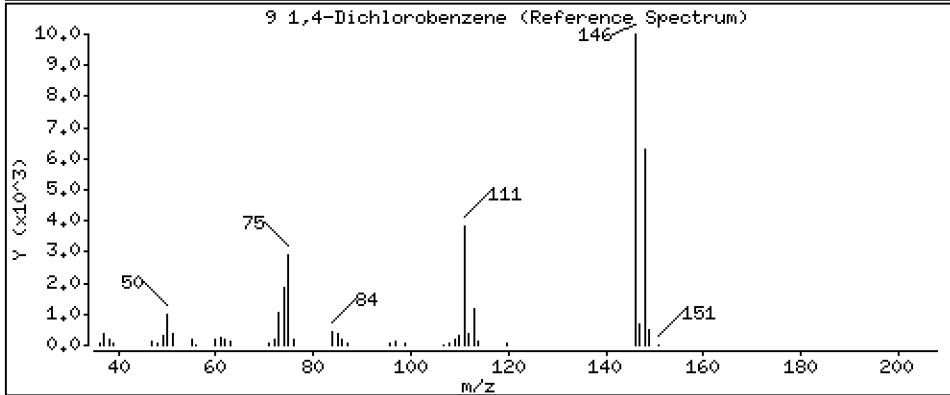
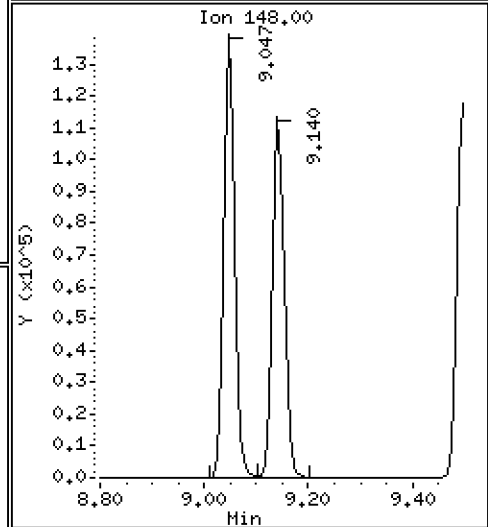
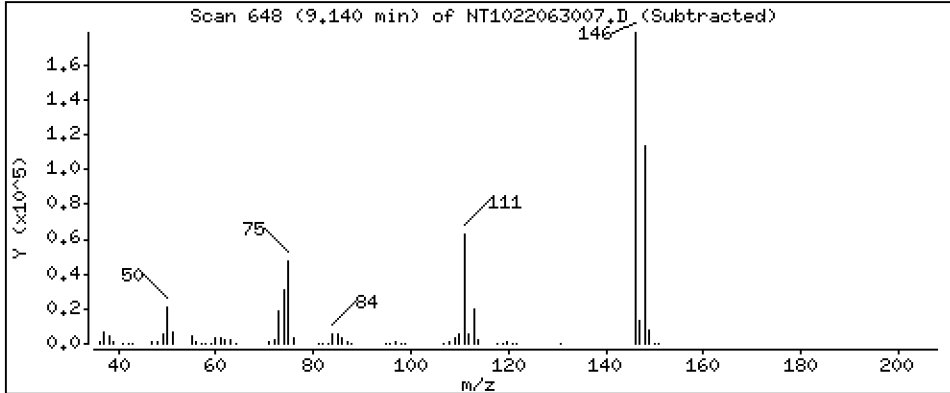
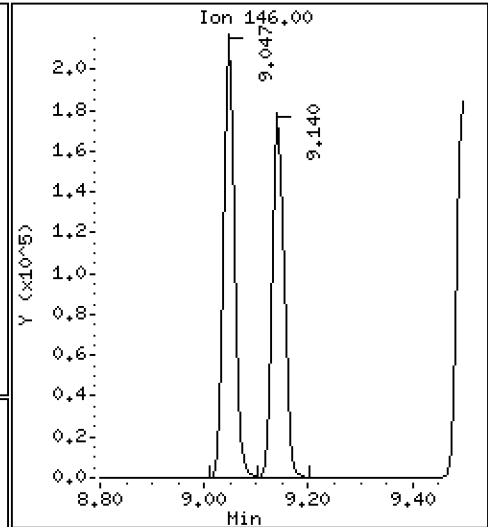
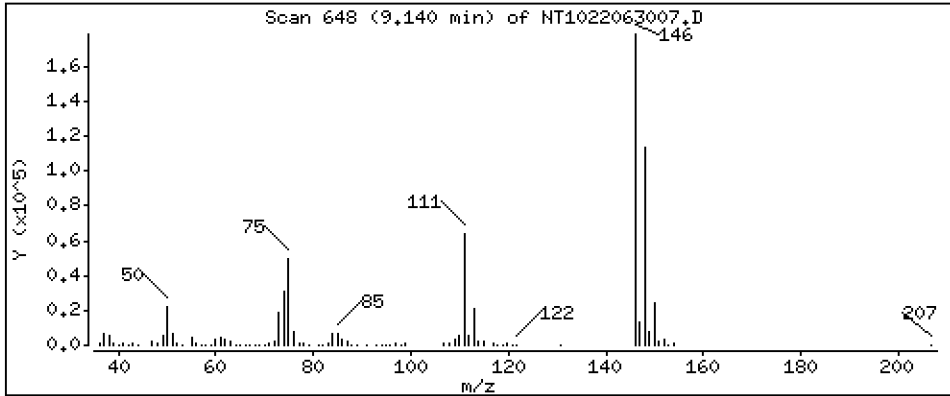
Operator: VTS

Column phase: ZB-5msi

Column diameter: 0,25

9 1,4-Dichlorobenzene

Concentration: 3,611 ug/mL



Date : 30-JUN-2022 17:25

Client ID:

Instrument: nt10.i

Sample Info: BKF0469-BSD1

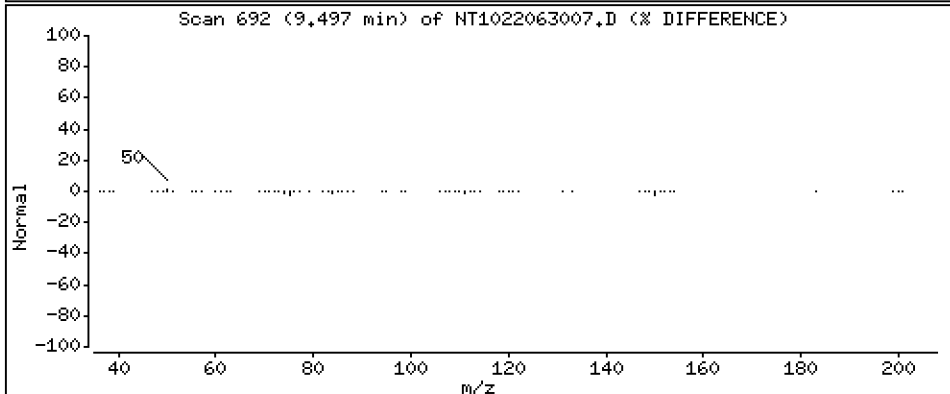
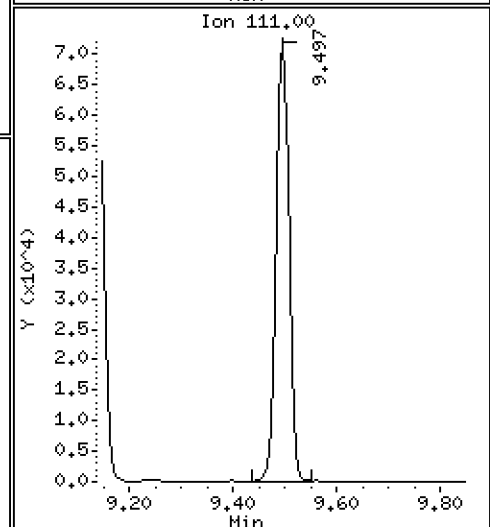
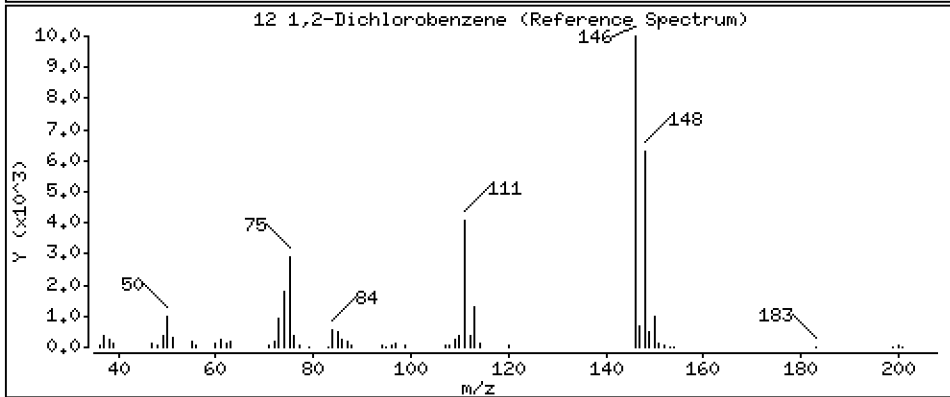
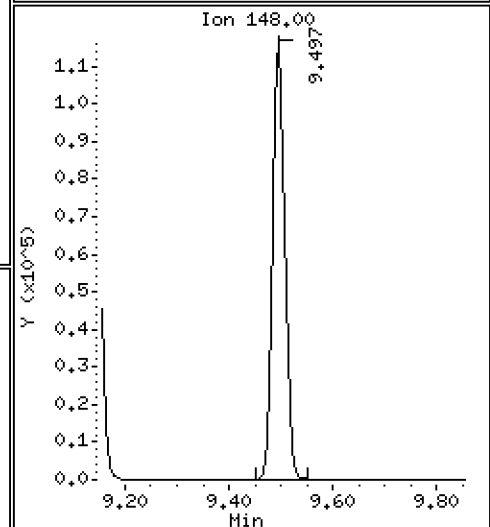
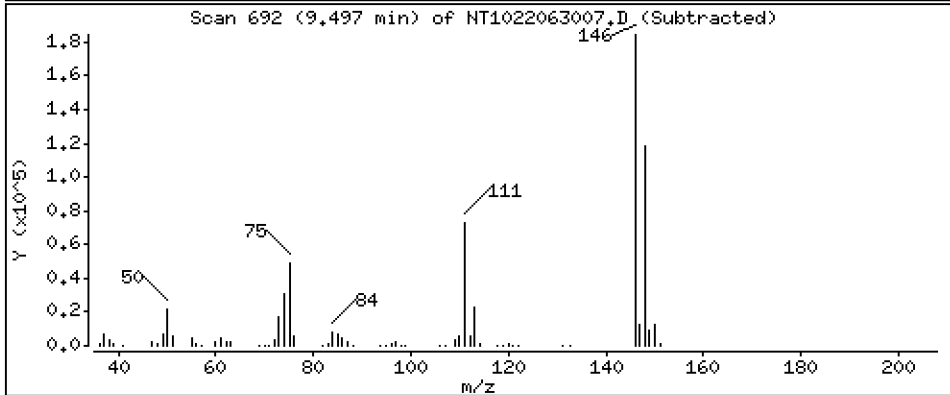
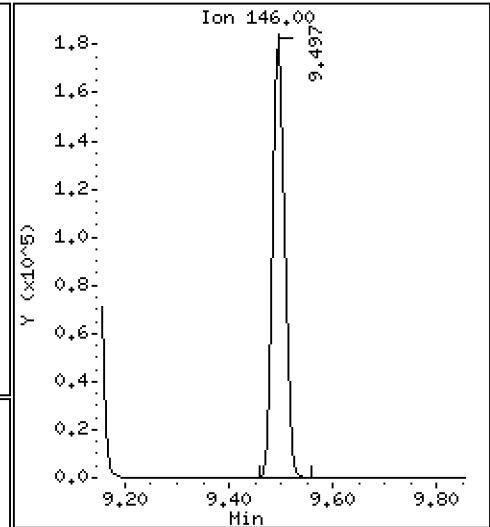
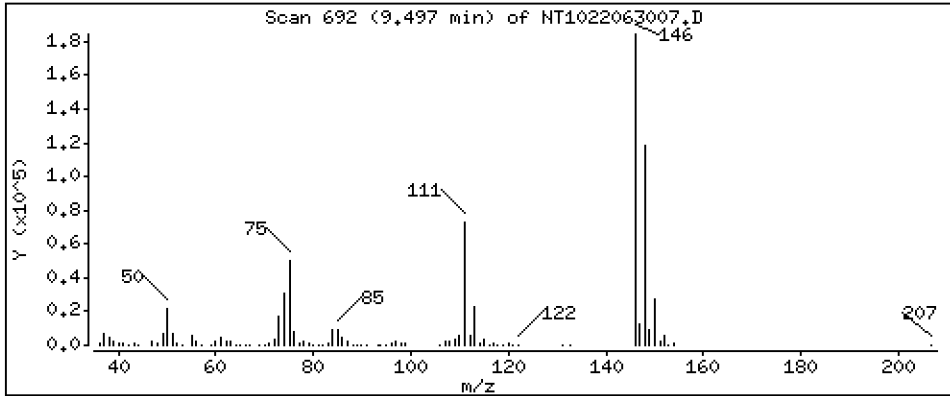
Operator: VTS

Column phase: ZB-5msi

Column diameter: 0,25

12 1,2-Dichlorobenzene

Concentration: 3,627 ug/mL



Date : 30-JUN-2022 17:25

Client ID:

Instrument: nt10.i

Sample Info: BKF0469-BSD1

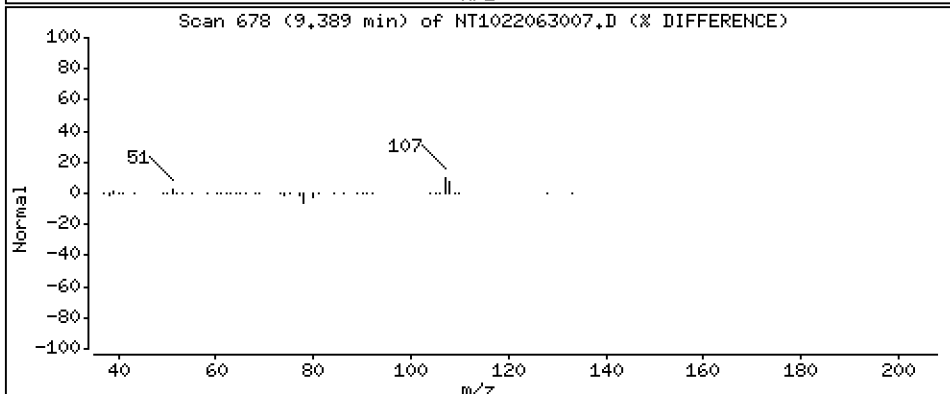
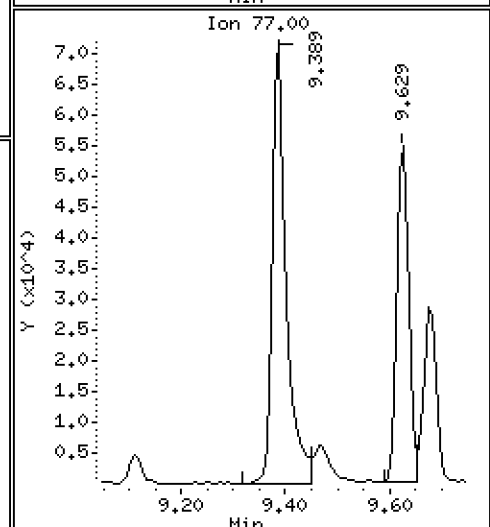
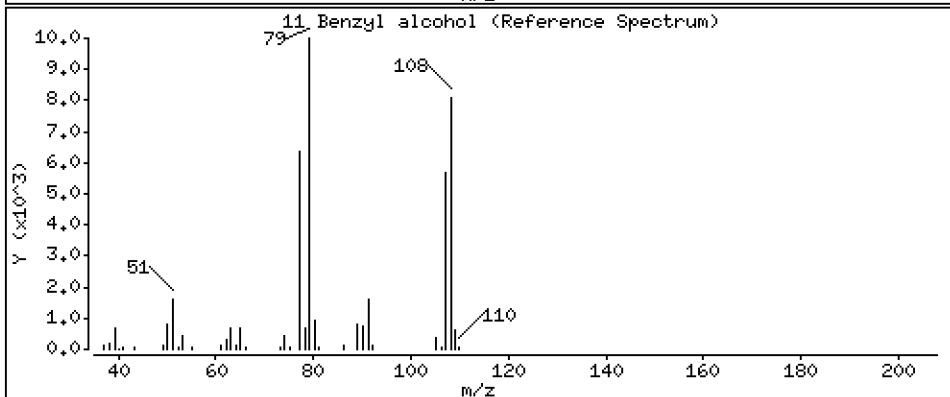
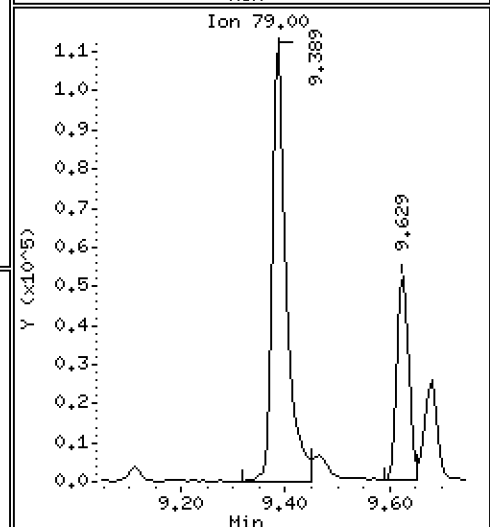
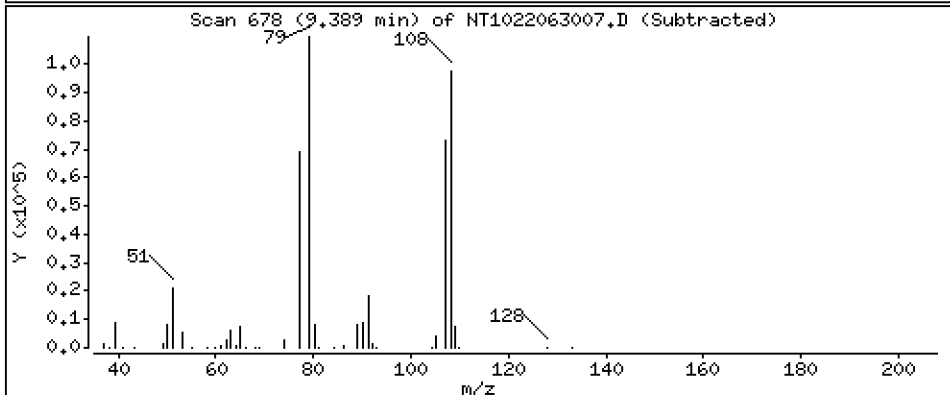
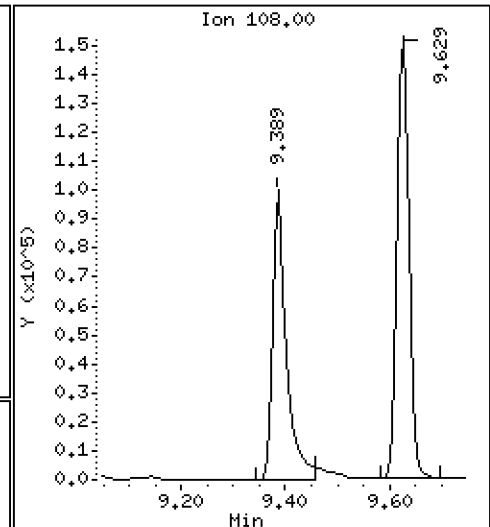
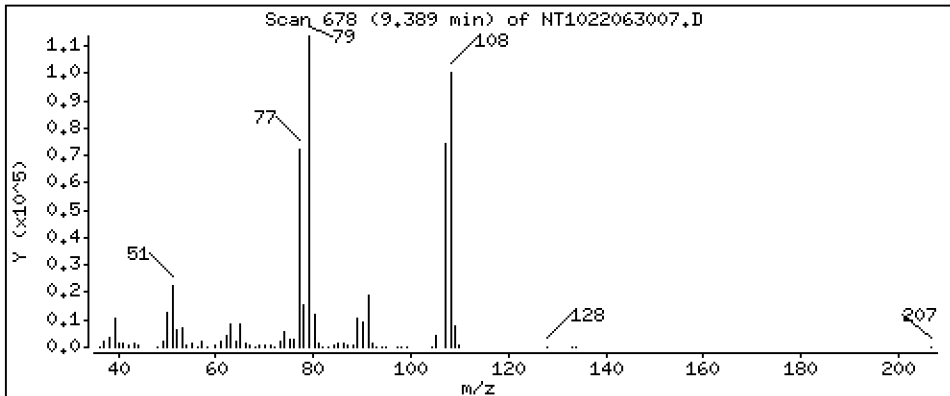
Operator: VTS

Column phase: ZB-5msi

Column diameter: 0,25

11 Benzyl alcohol

Concentration: 4,016 ug/mL



Date : 30-JUN-2022 17:25

Client ID:

Instrument: nt10.i

Sample Info: BKF0469-BSD1

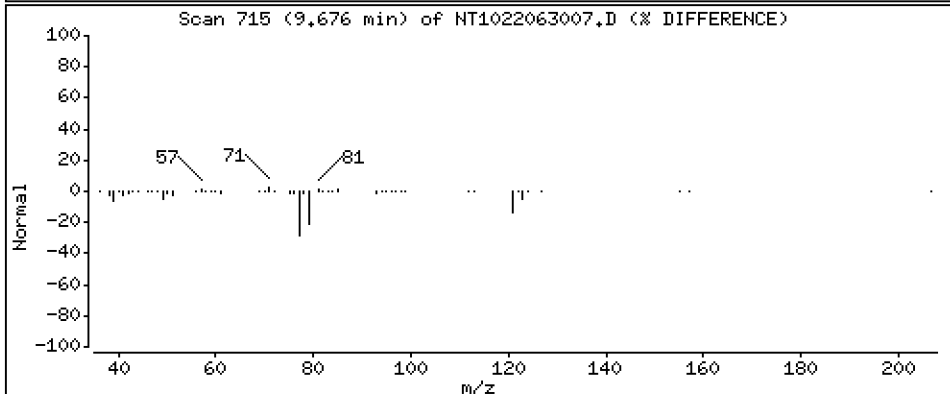
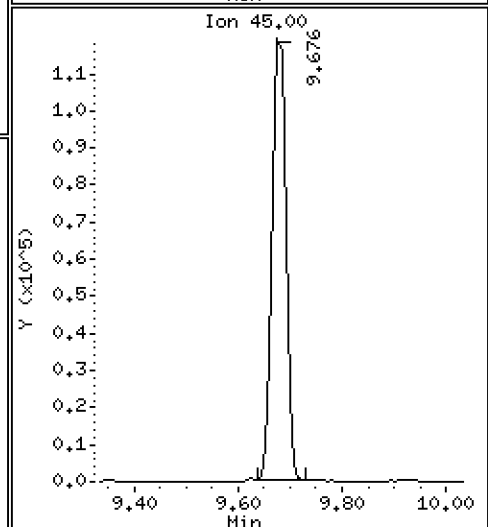
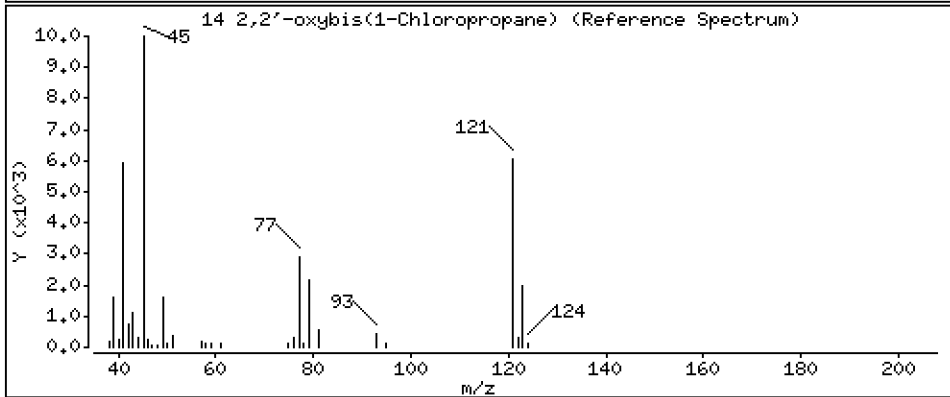
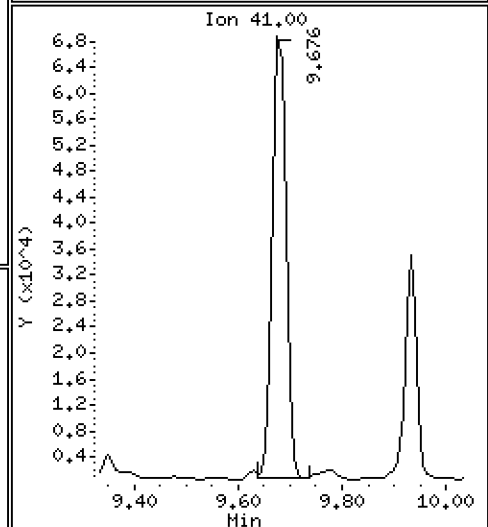
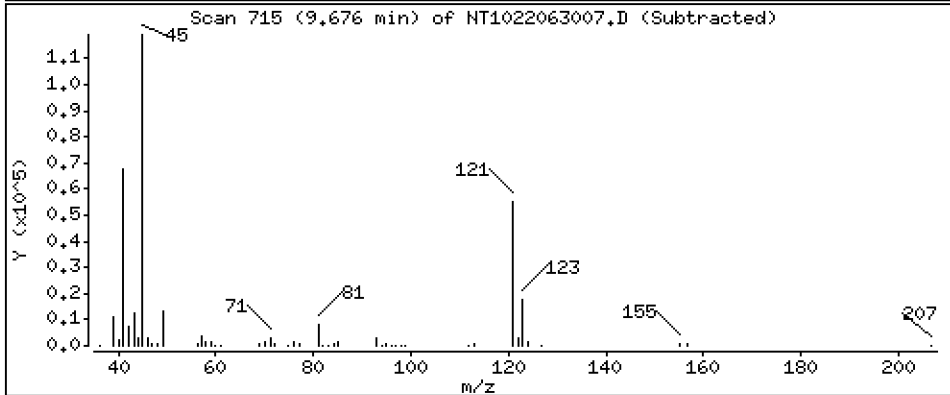
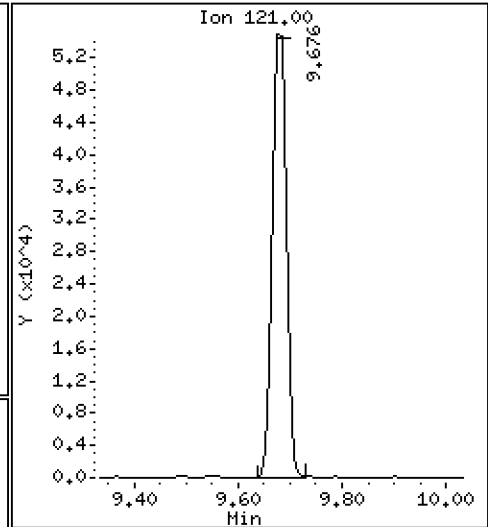
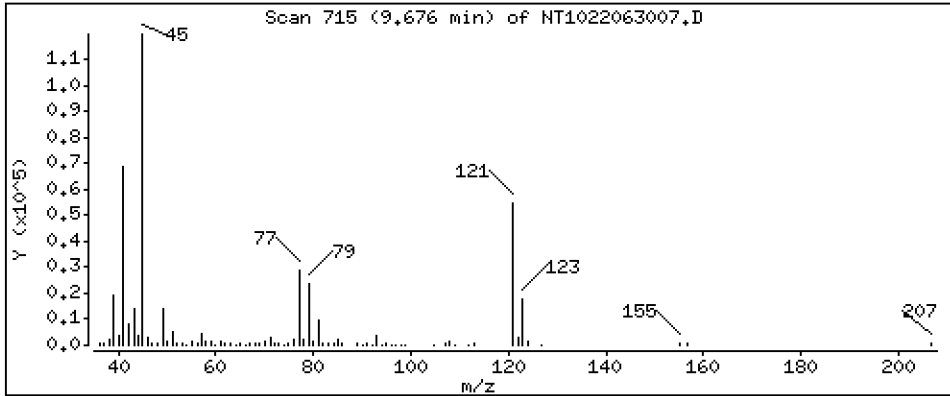
Operator: VTS

Column phase: ZB-5msi

Column diameter: 0,25

14 2,2'-oxybis(1-Chloropropane)

Concentration: 5,183 ug/mL



Date : 30-JUN-2022 17:25

Client ID:

Instrument: nt10.i

Sample Info: BKF0469-BSD1

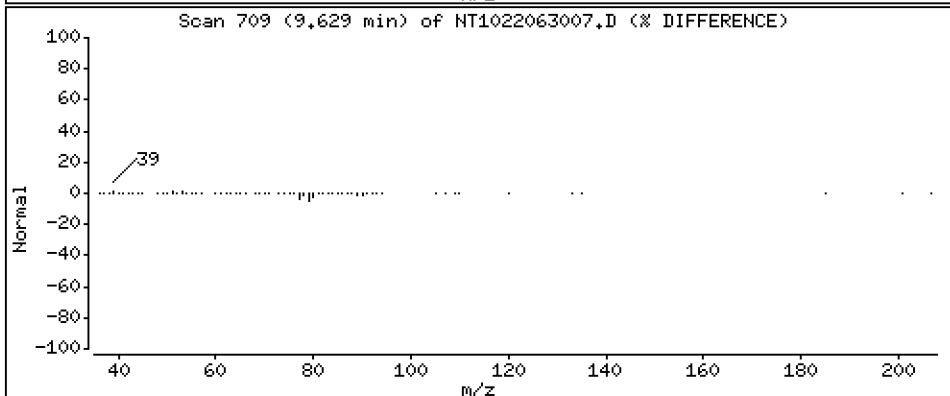
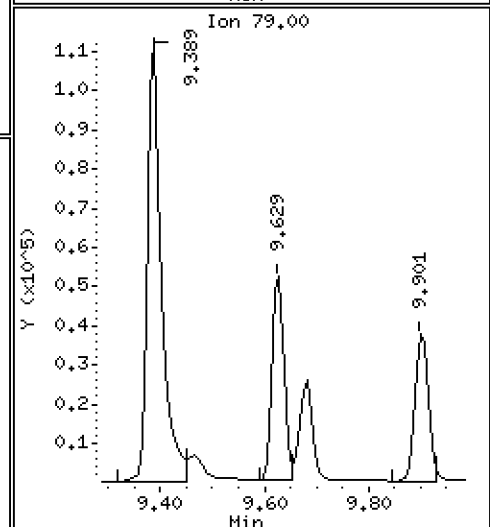
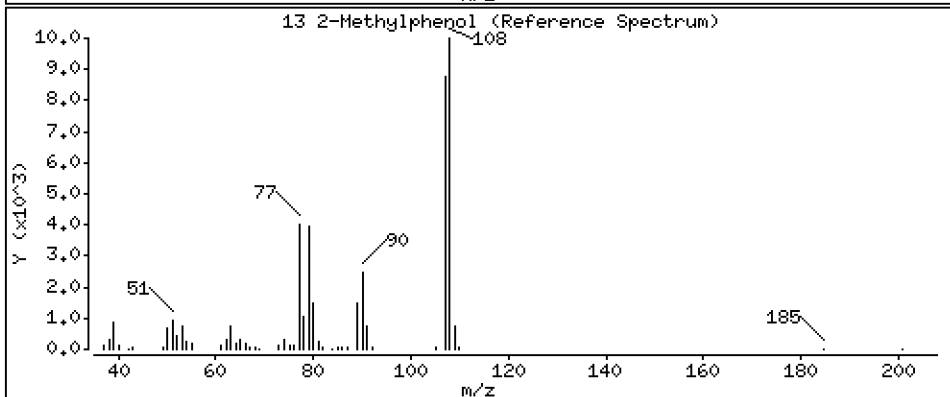
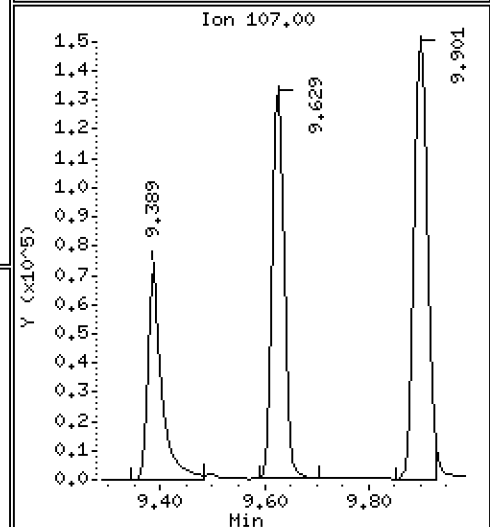
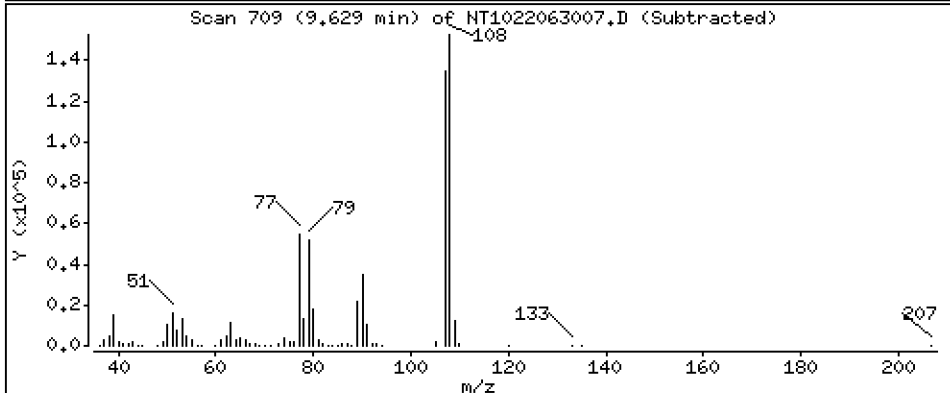
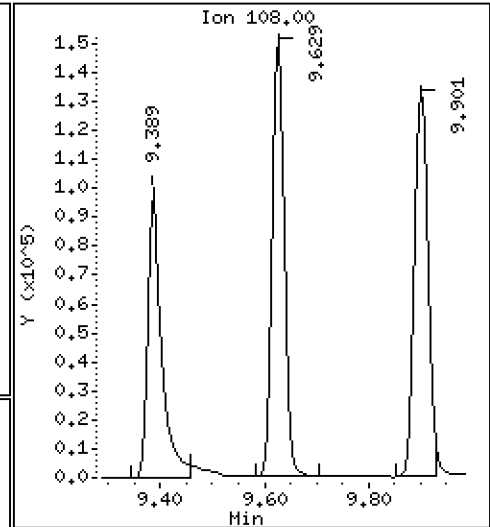
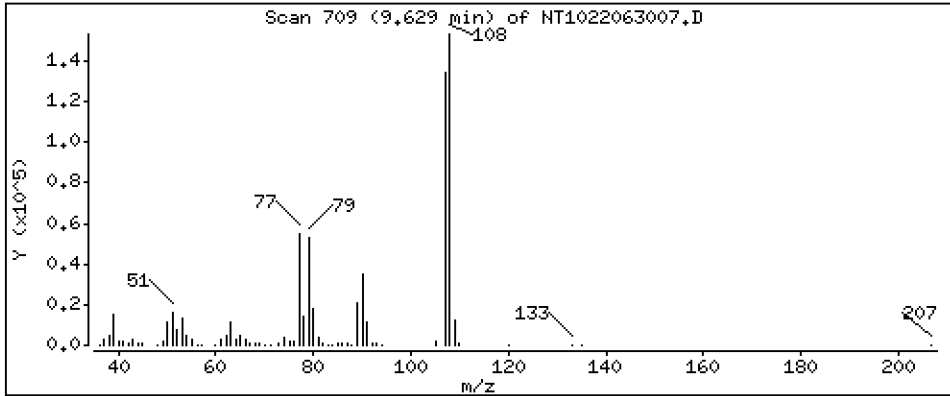
Operator: VTS

Column phase: ZB-5msi

Column diameter: 0.25

13 2-Methylphenol

Concentration: 3,360 ug/mL



Date : 30-JUN-2022 17:25

Client ID:

Instrument: nt10.i

Sample Info: BKF0469-BSD1

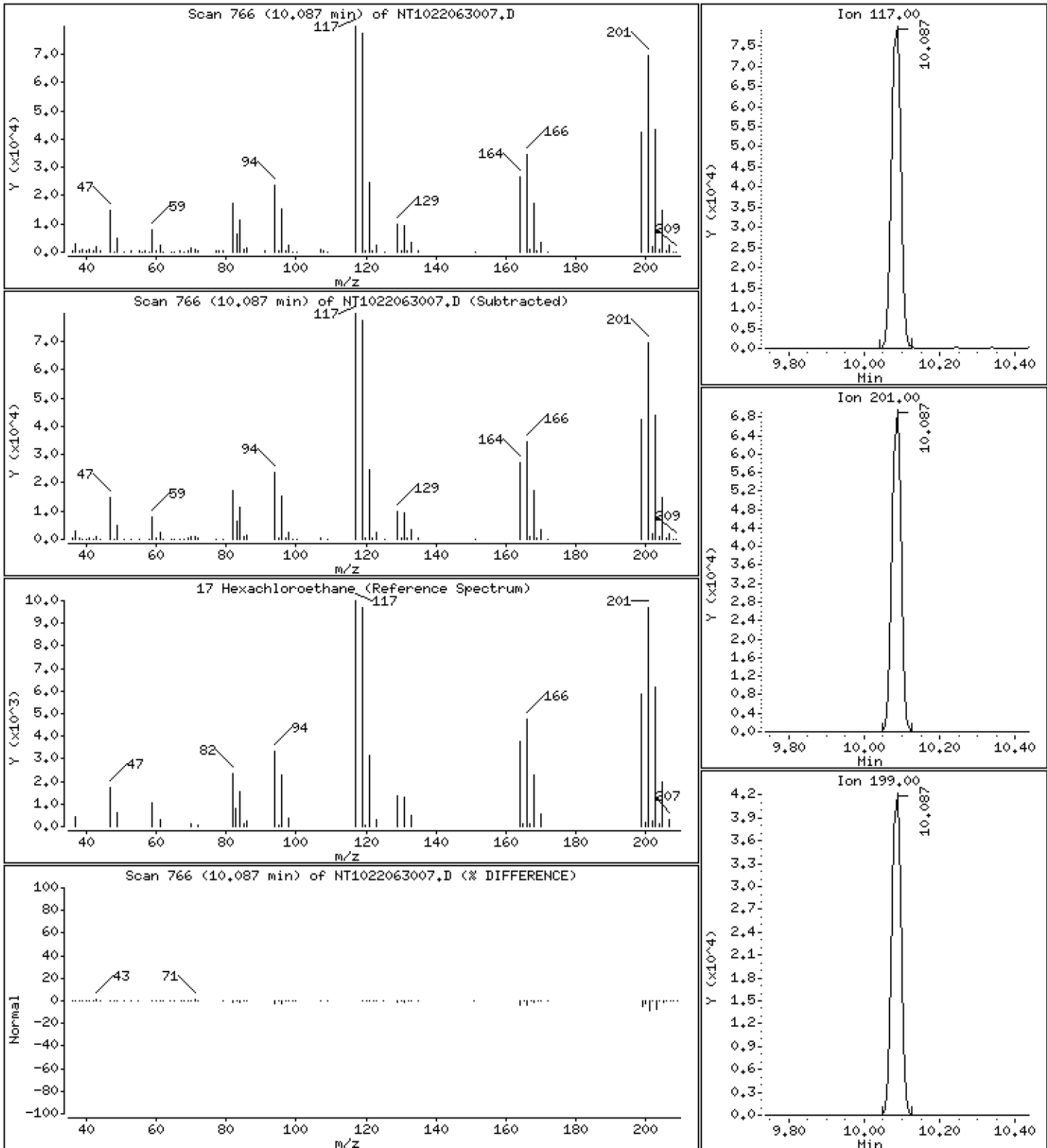
Operator: VTS

Column phase: ZB-5msi

Column diameter: 0,25

17 Hexachloroethane

Concentration: 3,877 ug/mL



Date : 30-JUN-2022 17:25

Client ID:

Instrument: nt10.i

Sample Info: BKF0469-BSD1

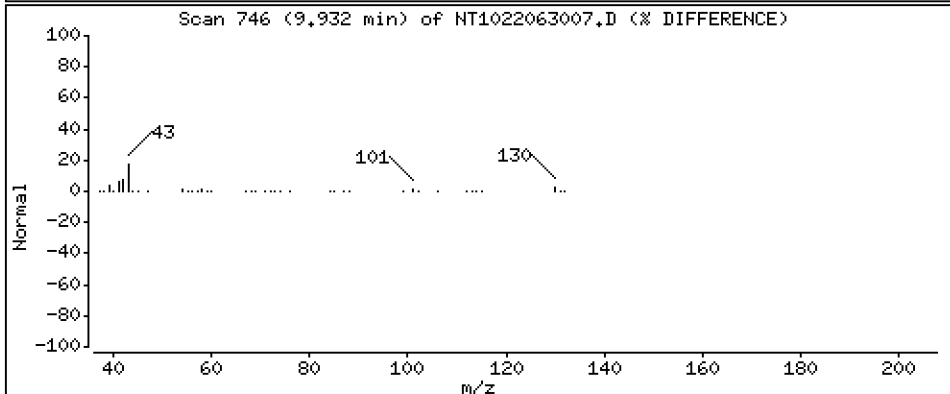
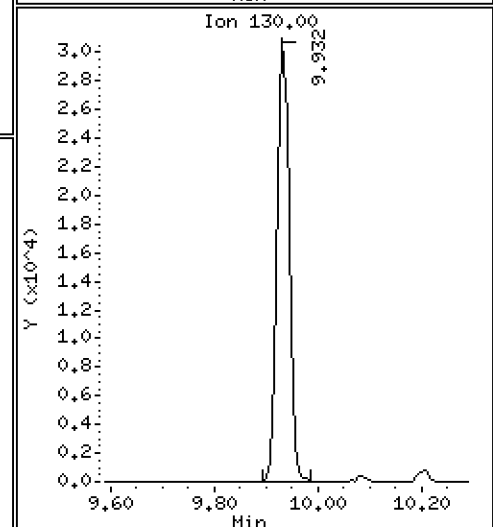
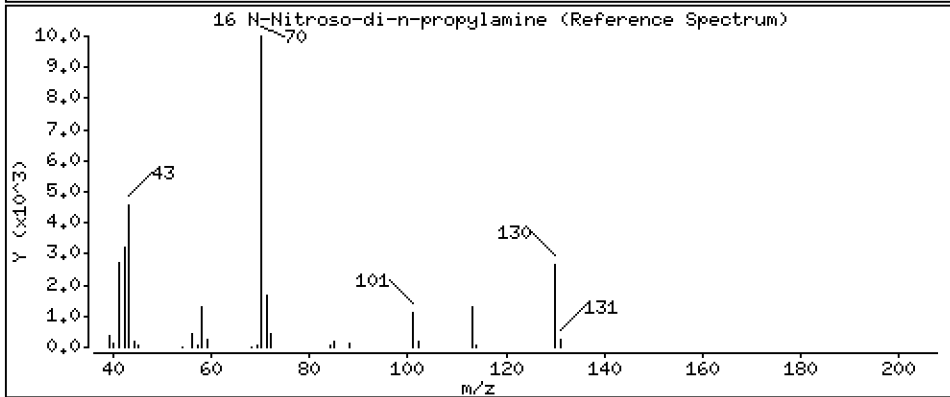
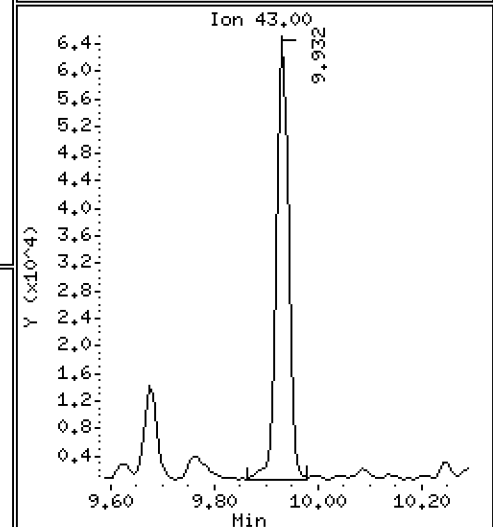
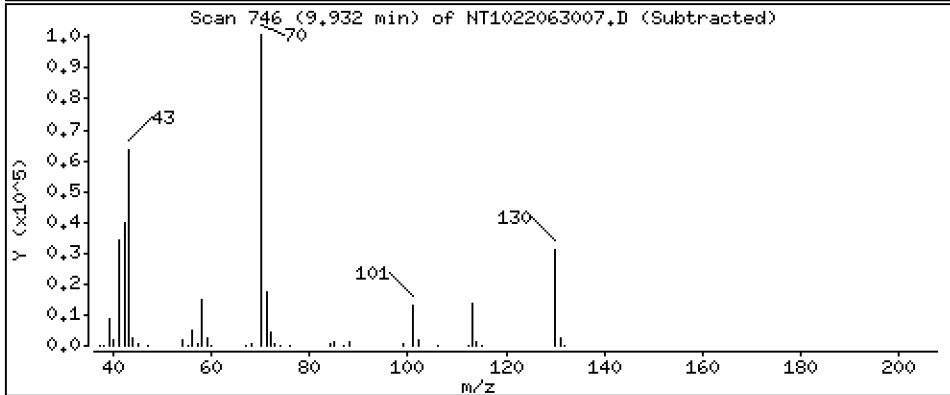
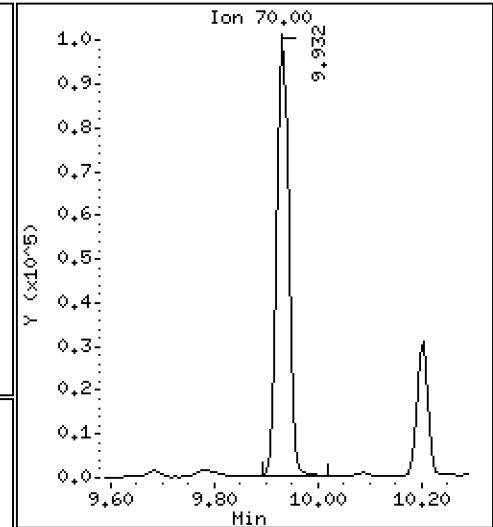
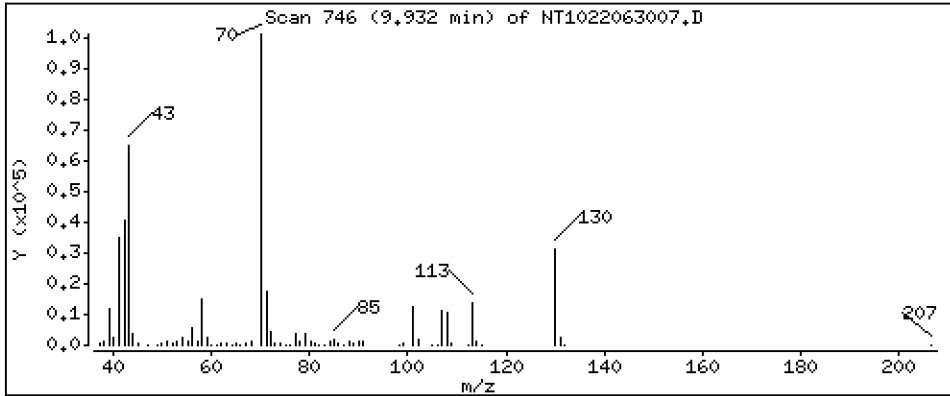
Operator: VTS

Column phase: ZB-5msi

Column diameter: 0,25

16 N-Nitroso-di-n-propylamine

Concentration: 3,143 ug/mL



Date : 30-JUN-2022 17:25

Client ID:

Instrument: nt10.i

Sample Info: BKF0469-BSD1

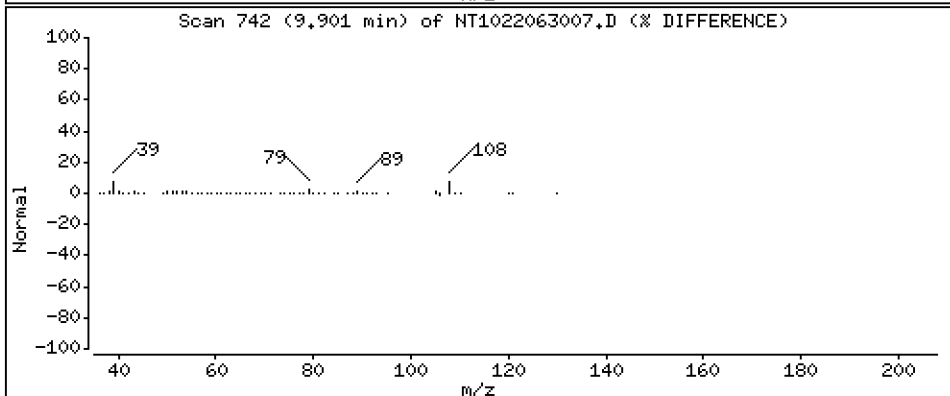
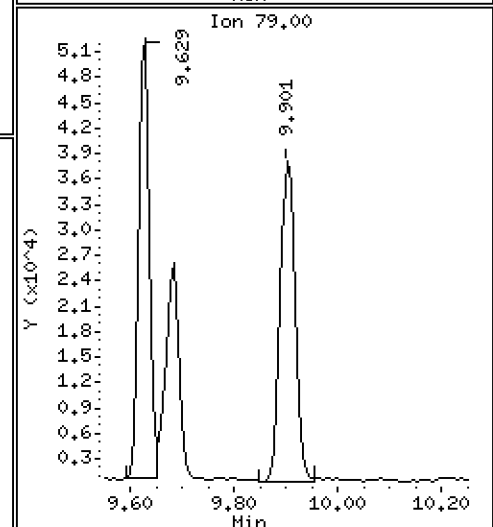
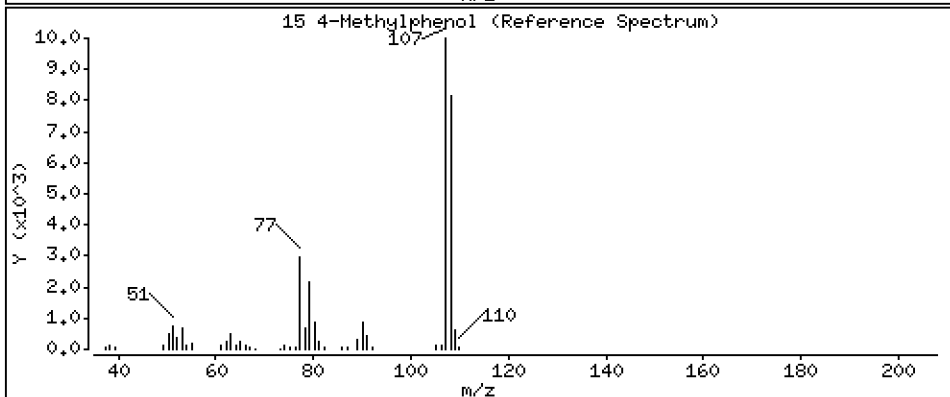
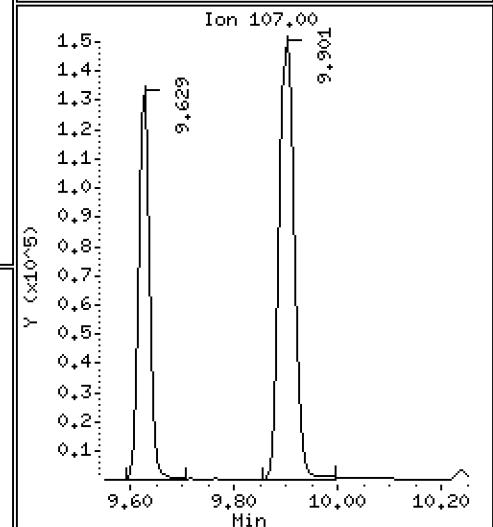
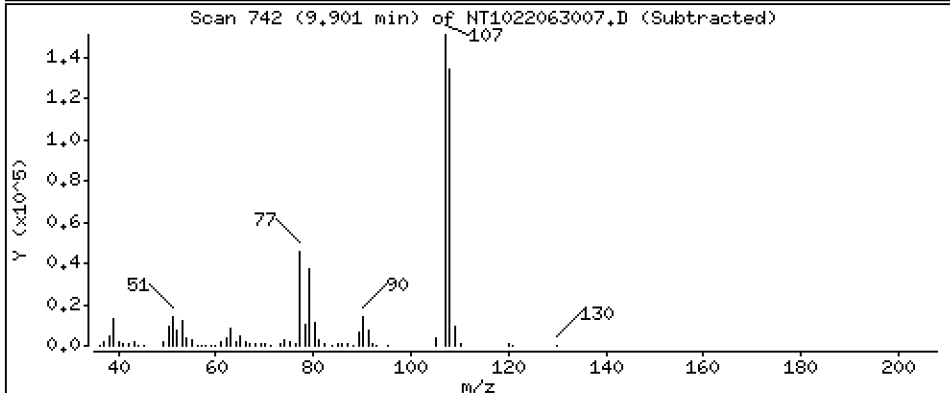
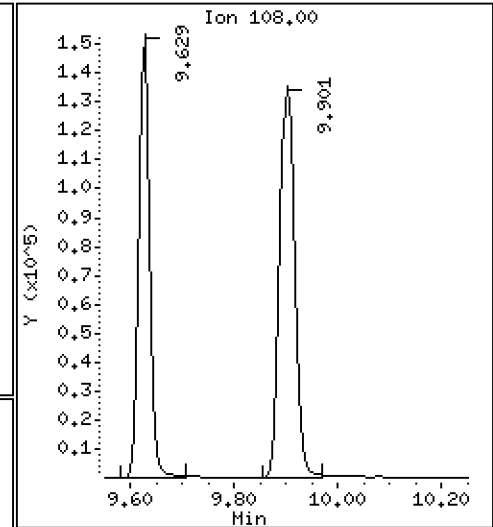
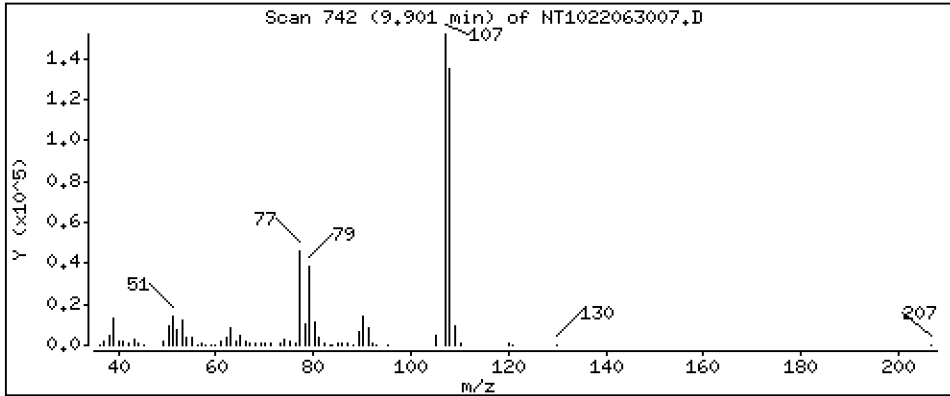
Operator: VTS

Column phase: ZB-5msi

Column diameter: 0,25

15 4-Methylphenol

Concentration: 3,579 ug/mL



Date : 30-JUN-2022 17:25

Client ID:

Instrument: nt10.i

Sample Info: BKF0469-BSD1

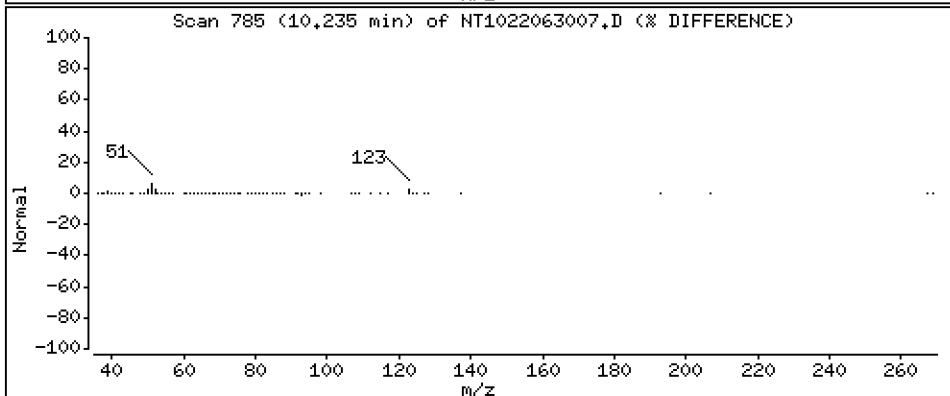
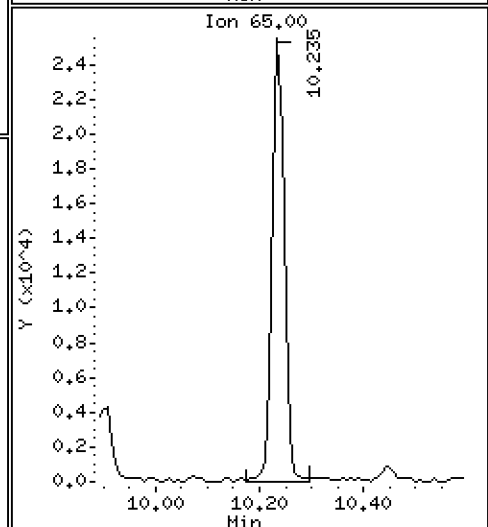
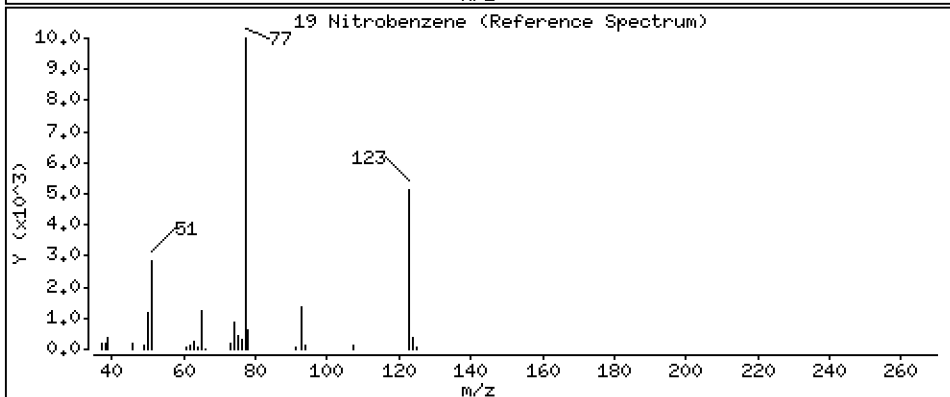
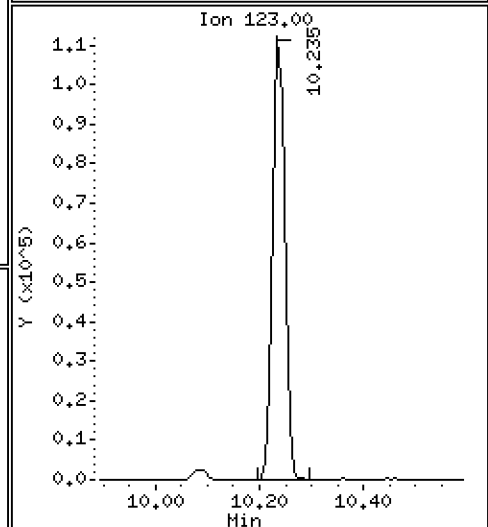
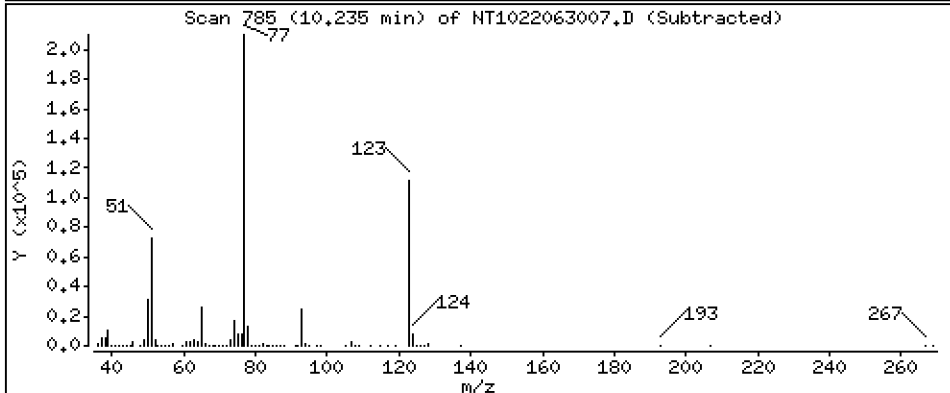
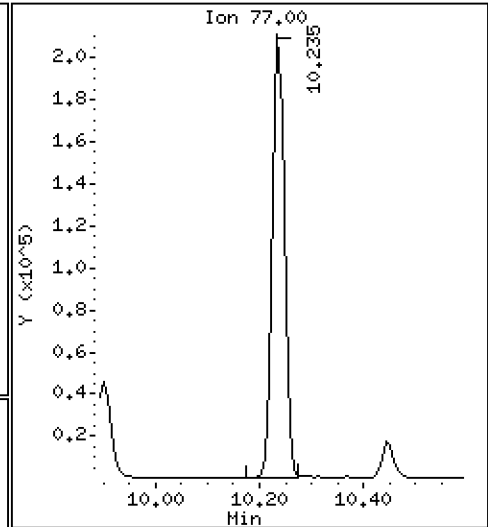
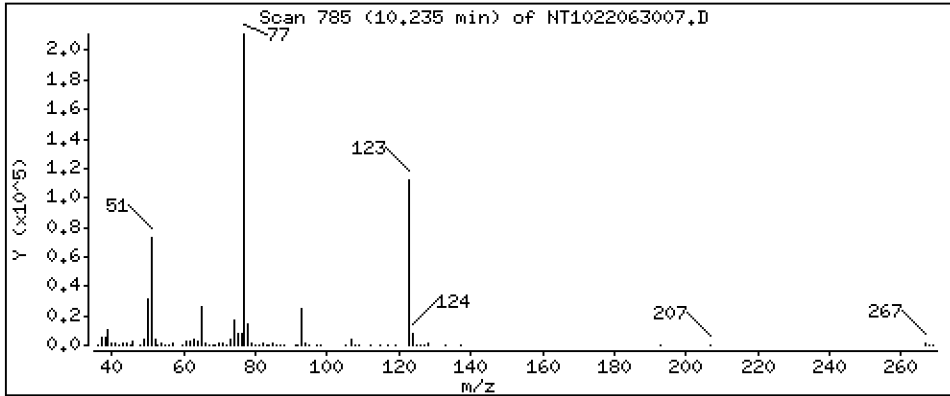
Operator: VTS

Column phase: ZB-5msi

Column diameter: 0,25

19 Nitrobenzene

Concentration: 3,826 ug/mL



Date : 30-JUN-2022 17:25

Client ID:

Instrument: nt10.i

Sample Info: BKF0469-BSD1

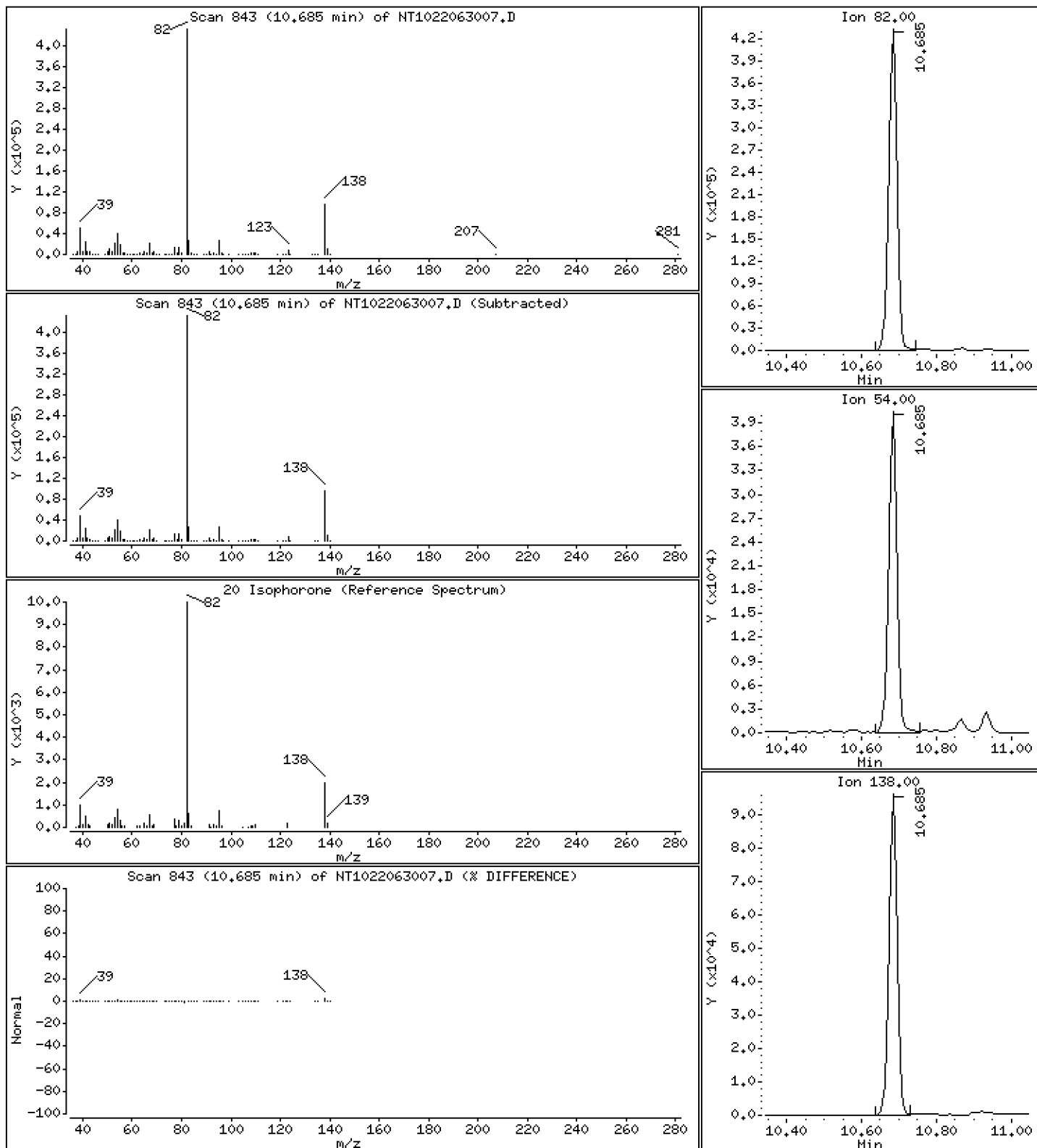
Operator: VTS

Column phase: ZB-5msi

Column diameter: 0,25

20 Isophorone

Concentration: 5,688 ug/mL



Date : 30-JUN-2022 17:25

Client ID:

Instrument: nt10.i

Sample Info: BKF0469-BSD1

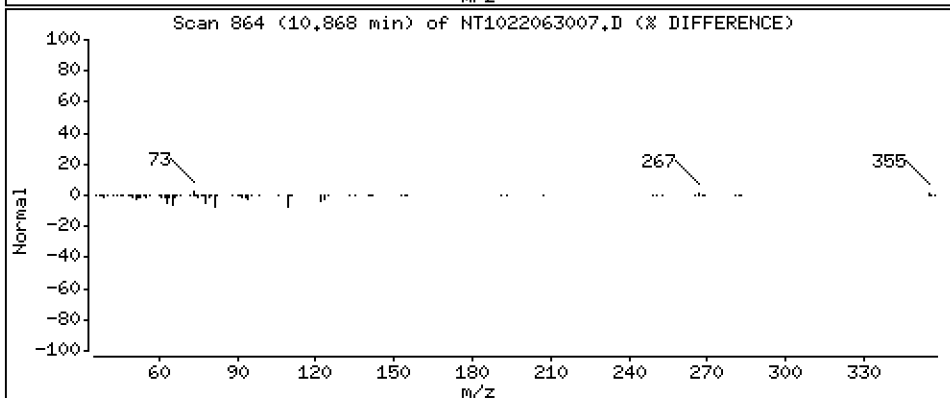
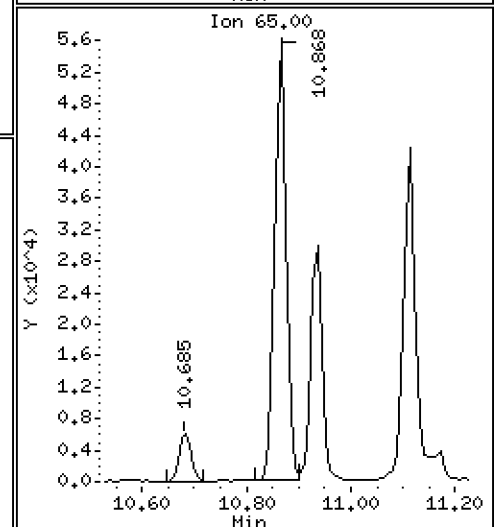
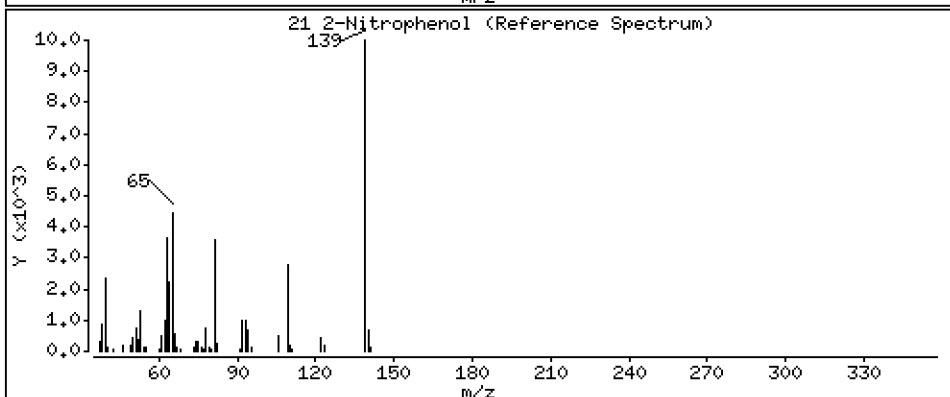
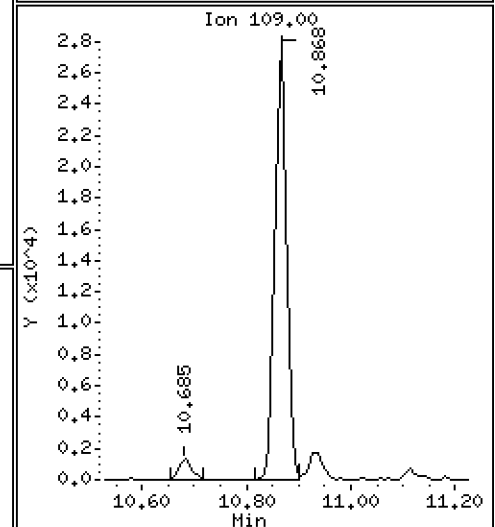
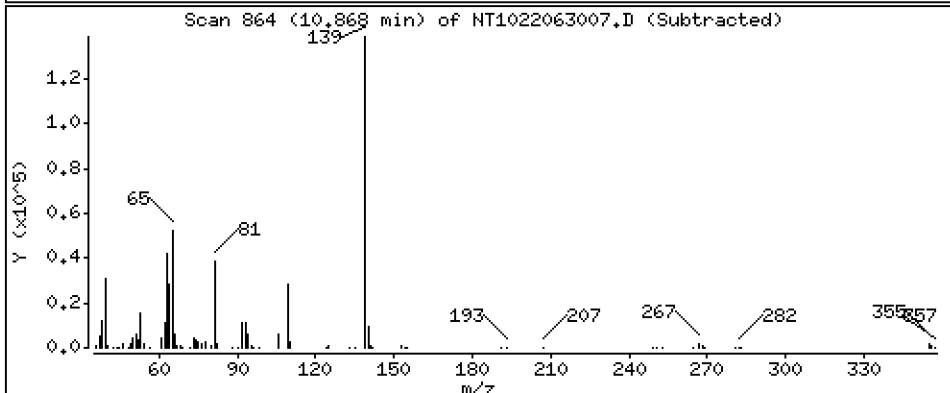
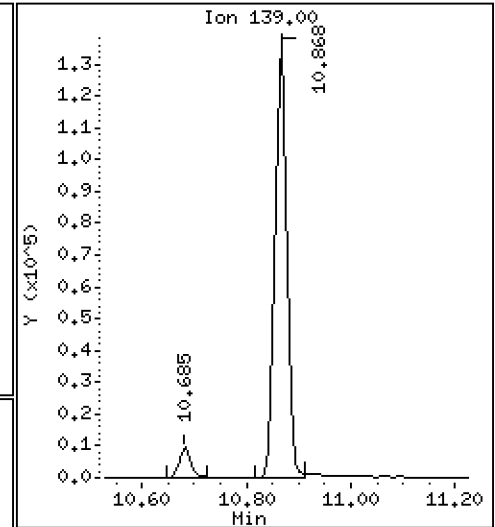
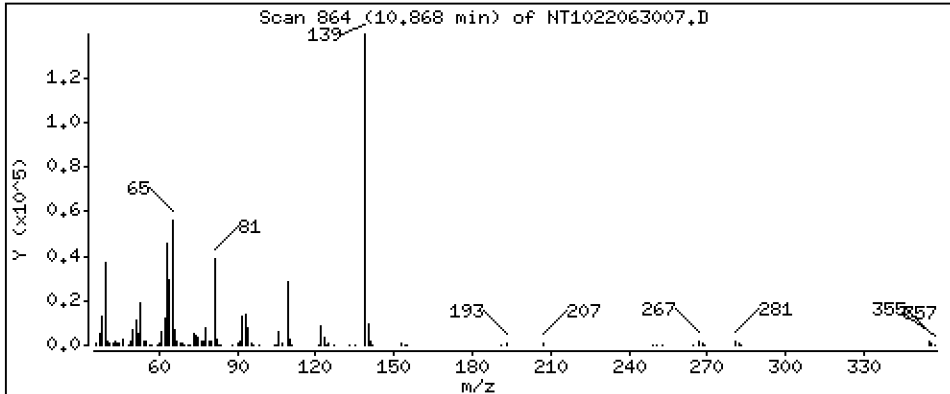
Operator: VTS

Column phase: ZB-5msi

Column diameter: 0,25

21 2-Nitrophenol

Concentration: 4,073 ug/mL



Date : 30-JUN-2022 17:25

Client ID:

Instrument: nt10.i

Sample Info: BKF0469-BSD1

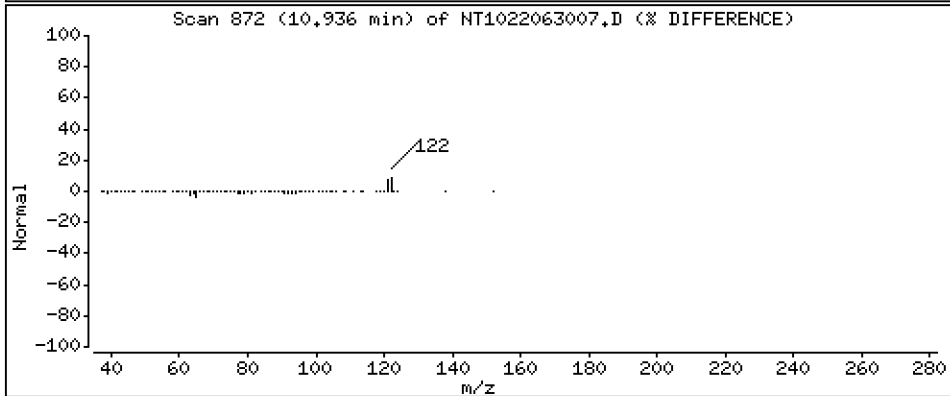
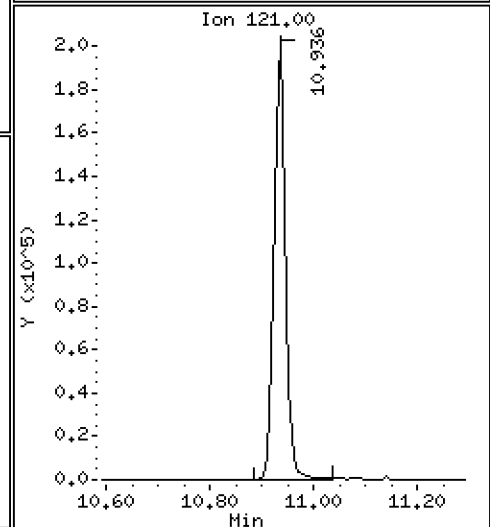
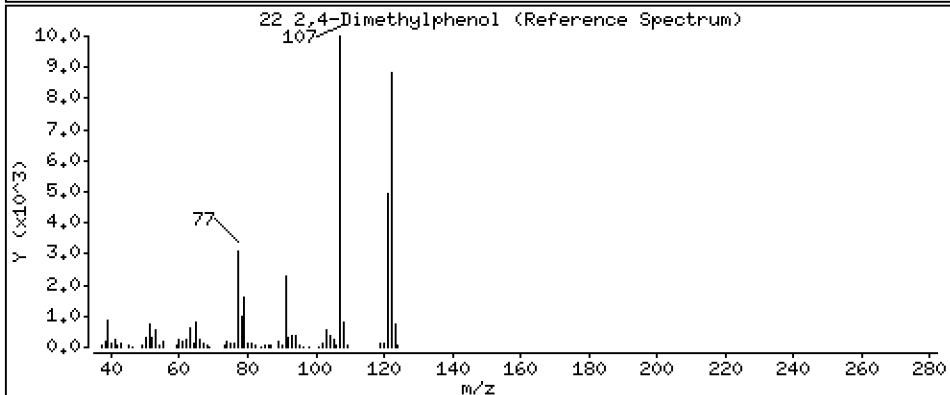
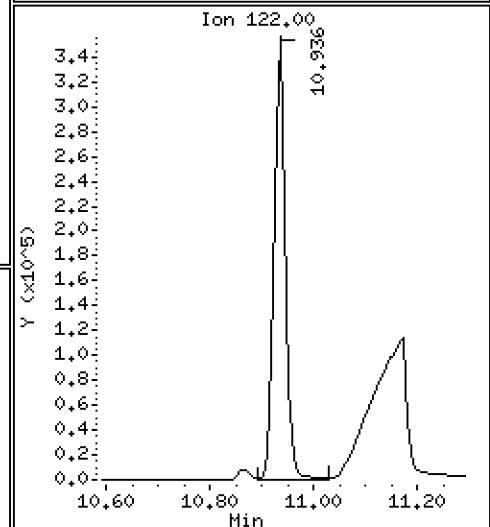
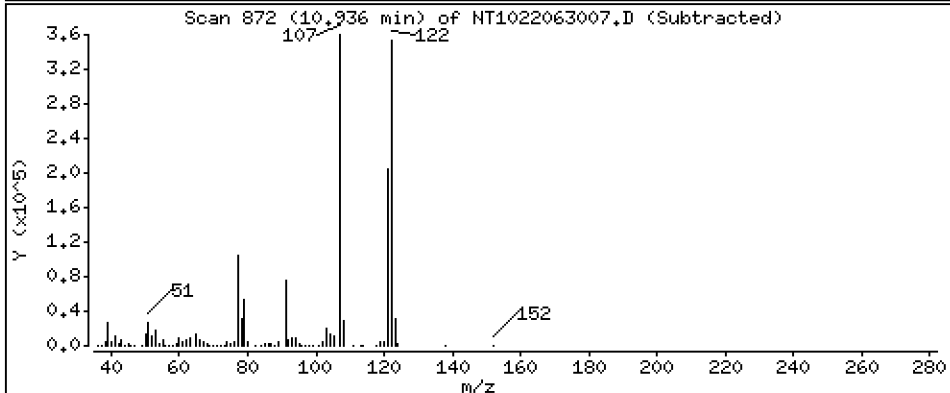
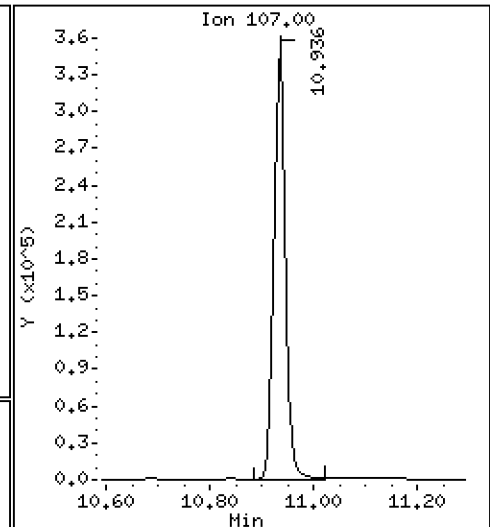
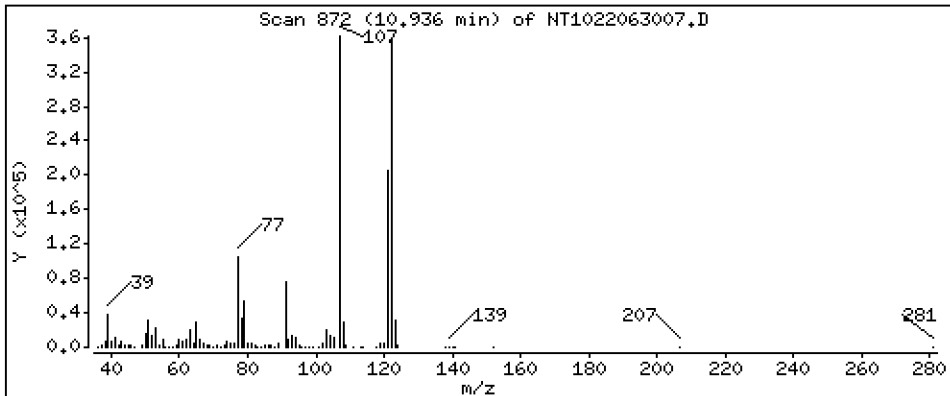
Operator: VTS

Column phase: ZB-5msi

Column diameter: 0,25

22 2,4-Dimethylphenol

Concentration: 8,719 ug/mL



Date : 30-JUN-2022 17:25

Client ID:

Instrument: nt10.i

Sample Info: BKF0469-BSD1

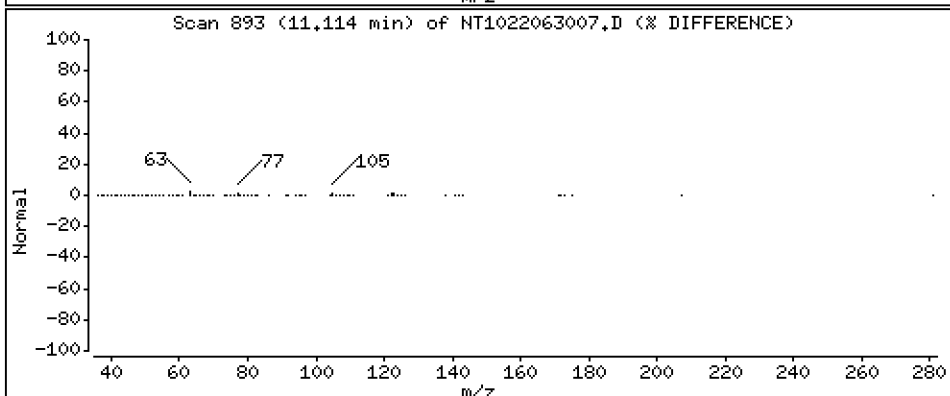
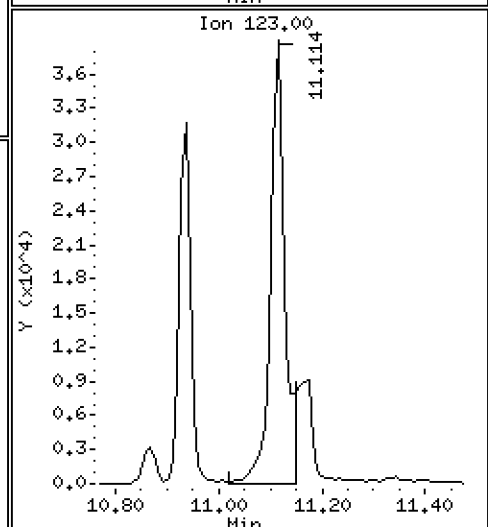
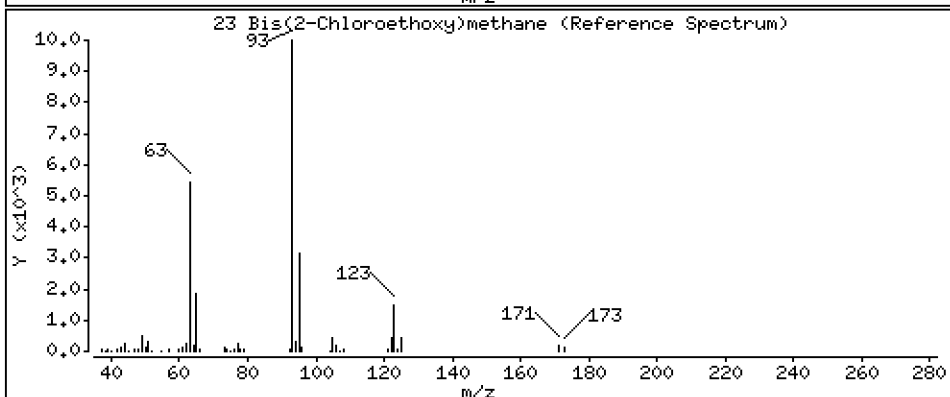
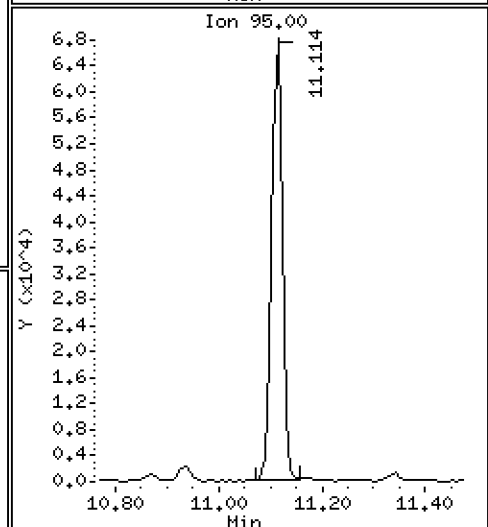
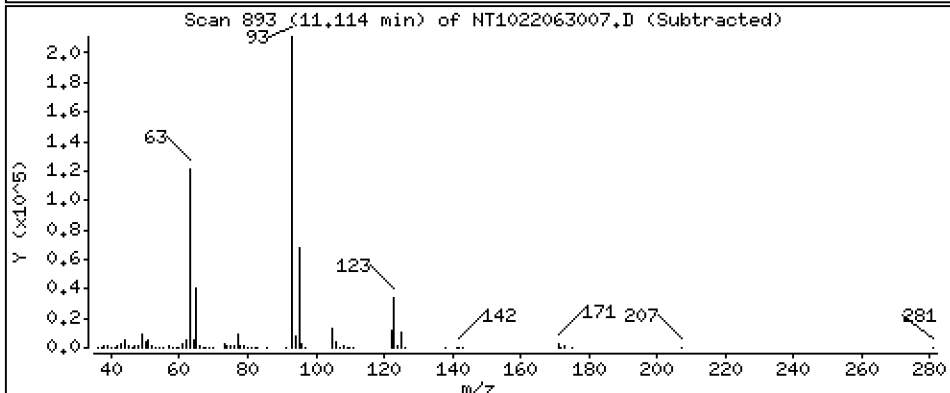
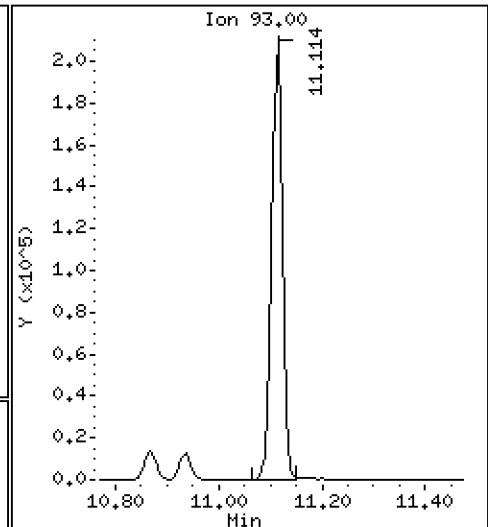
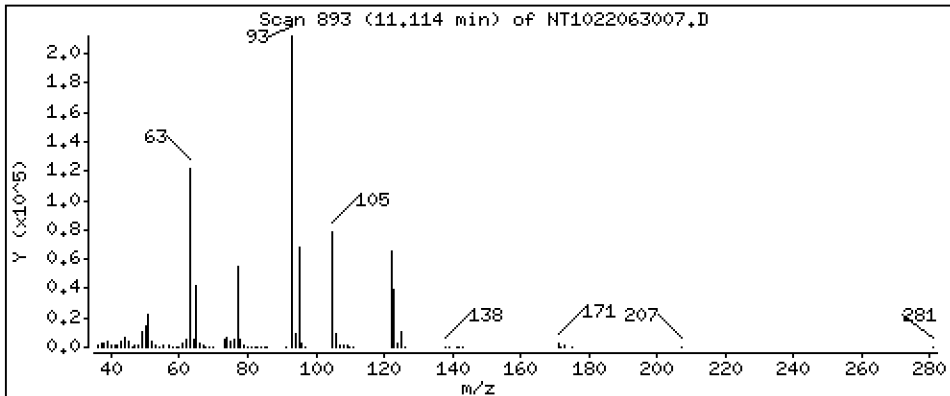
Operator: VTS

Column phase: ZB-5msi

Column diameter: 0,25

23 Bis(2-Chloroethoxy)methane

Concentration: 4,144 ug/mL



Date : 30-JUN-2022 17:25

Client ID:

Instrument: nt10.i

Sample Info: BKF0469-BSD1

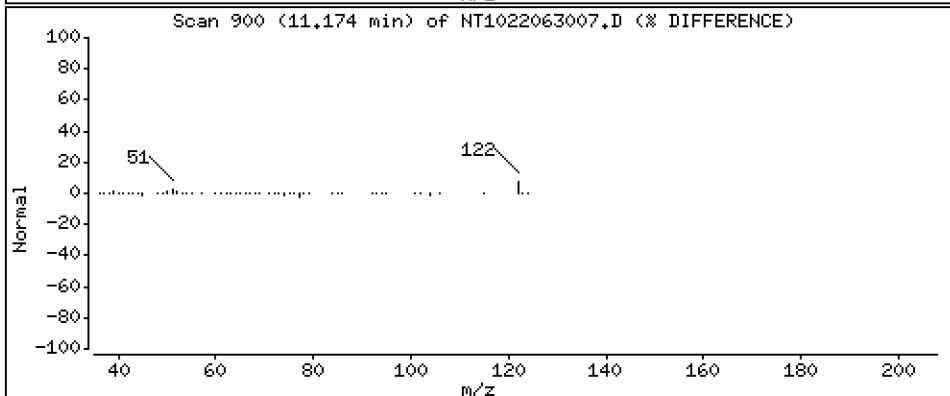
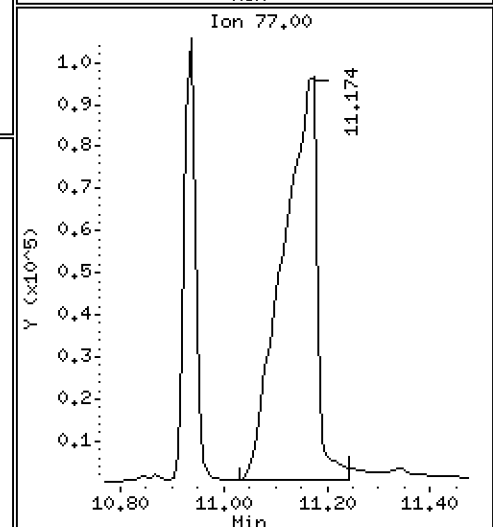
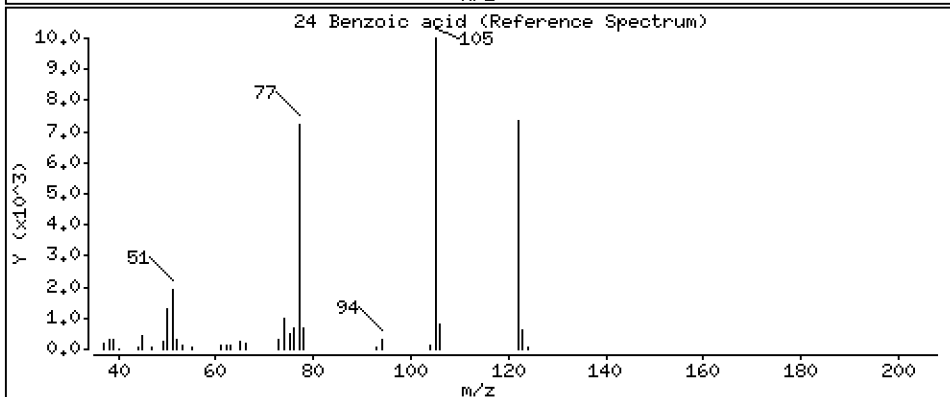
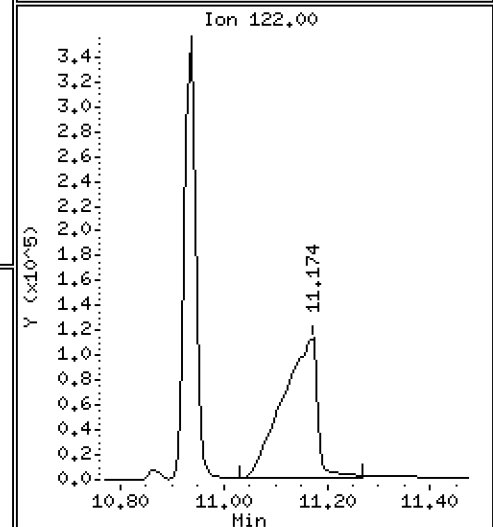
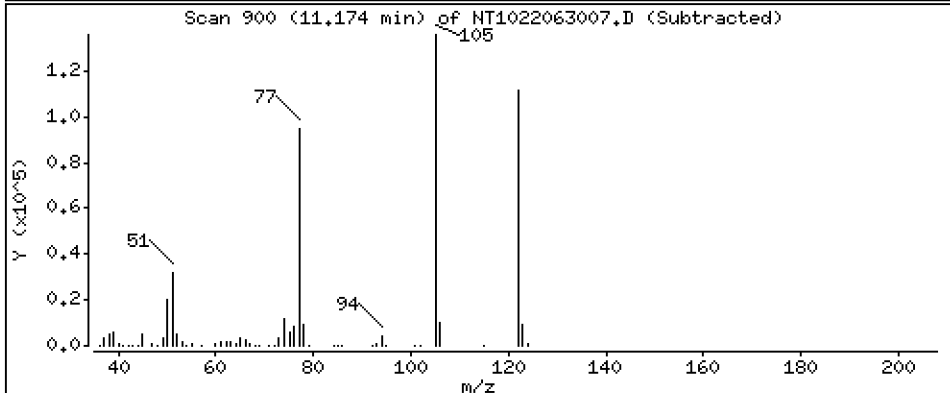
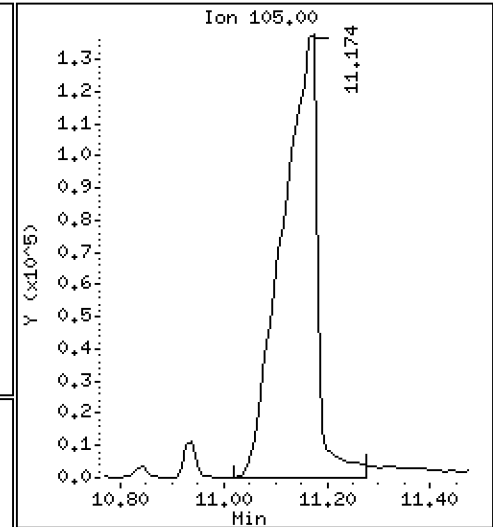
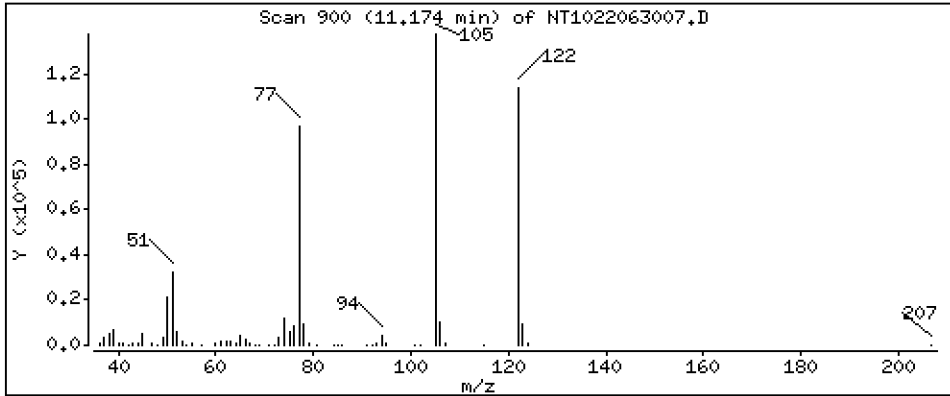
Operator: VTS

Column phase: ZB-5msi

Column diameter: 0,25

24 Benzoic acid

Concentration: 19,03 ug/mL



Date : 30-JUN-2022 17:25

Client ID:

Instrument: nt10.i

Sample Info: BKF0469-BSD1

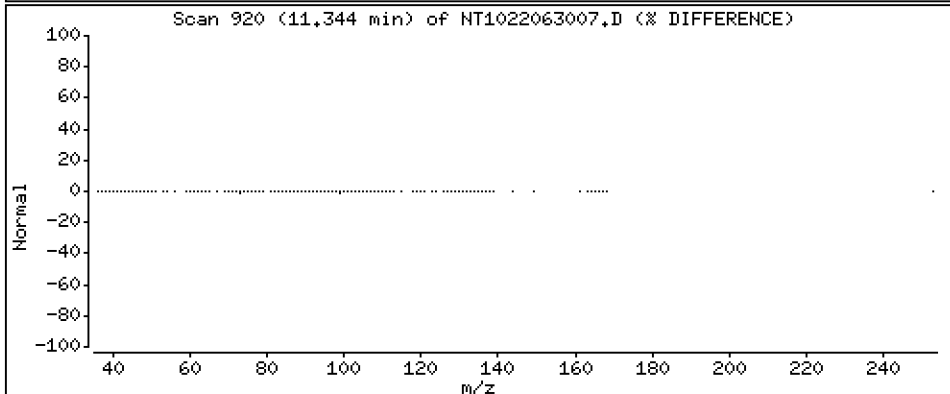
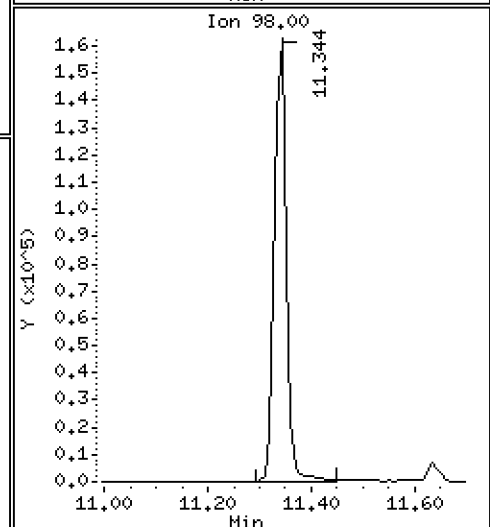
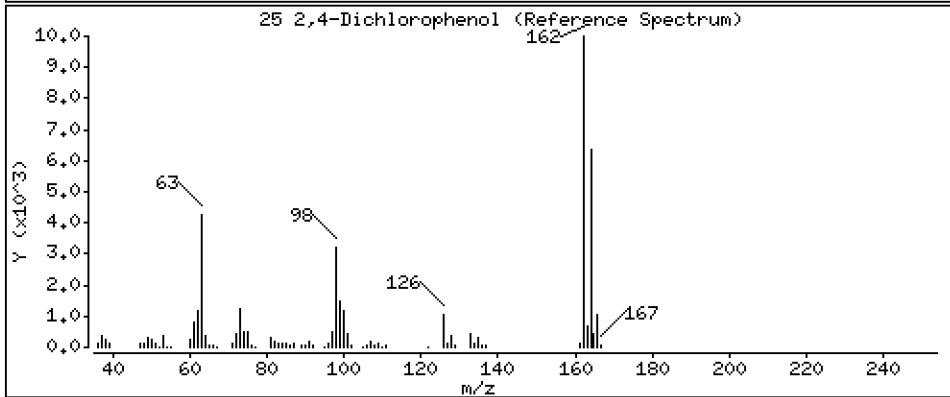
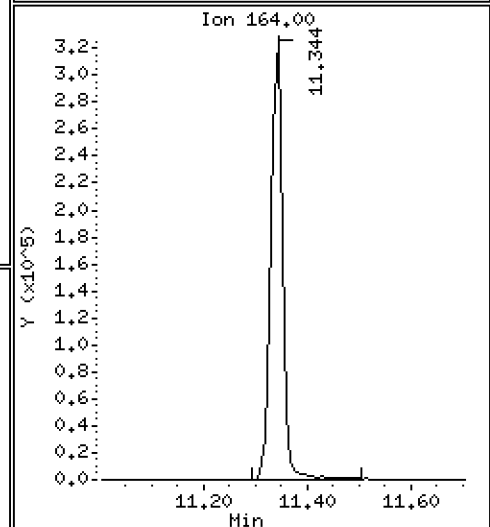
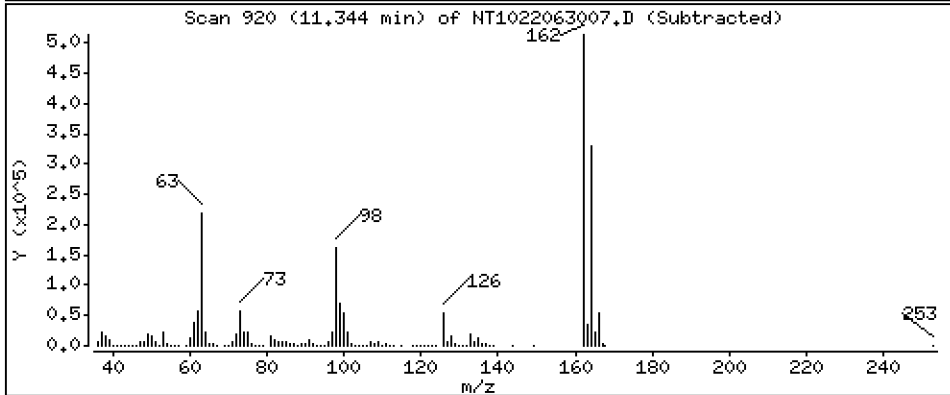
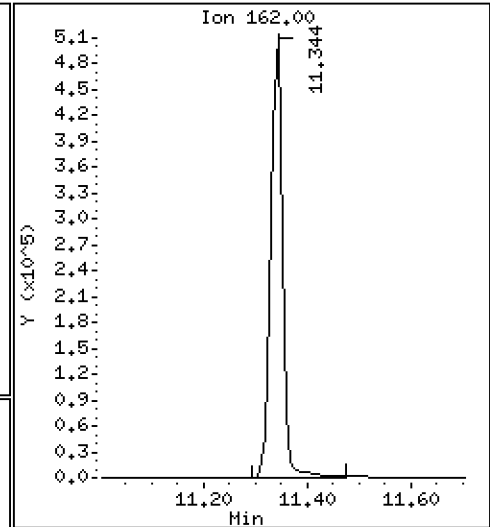
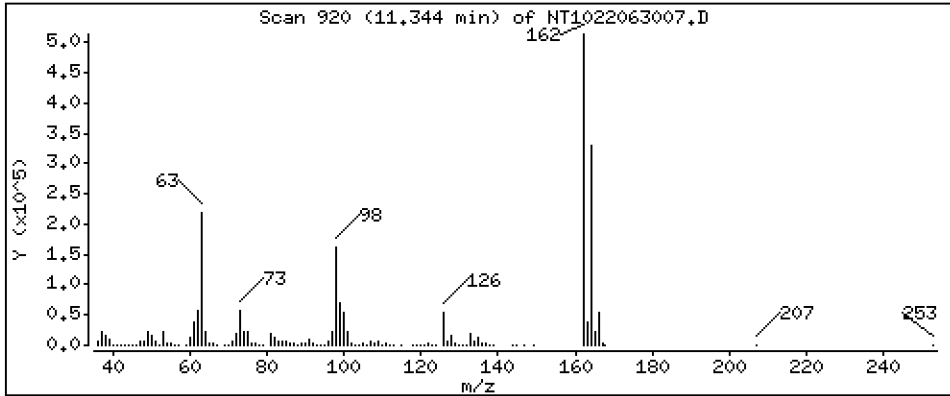
Operator: VTS

Column phase: ZB-5msi

Column diameter: 0,25

25 2,4-Dichlorophenol

Concentration: 13,02 ug/mL



Date : 30-JUN-2022 17:25

Client ID:

Instrument: nt10.i

Sample Info: BKF0469-BSD1

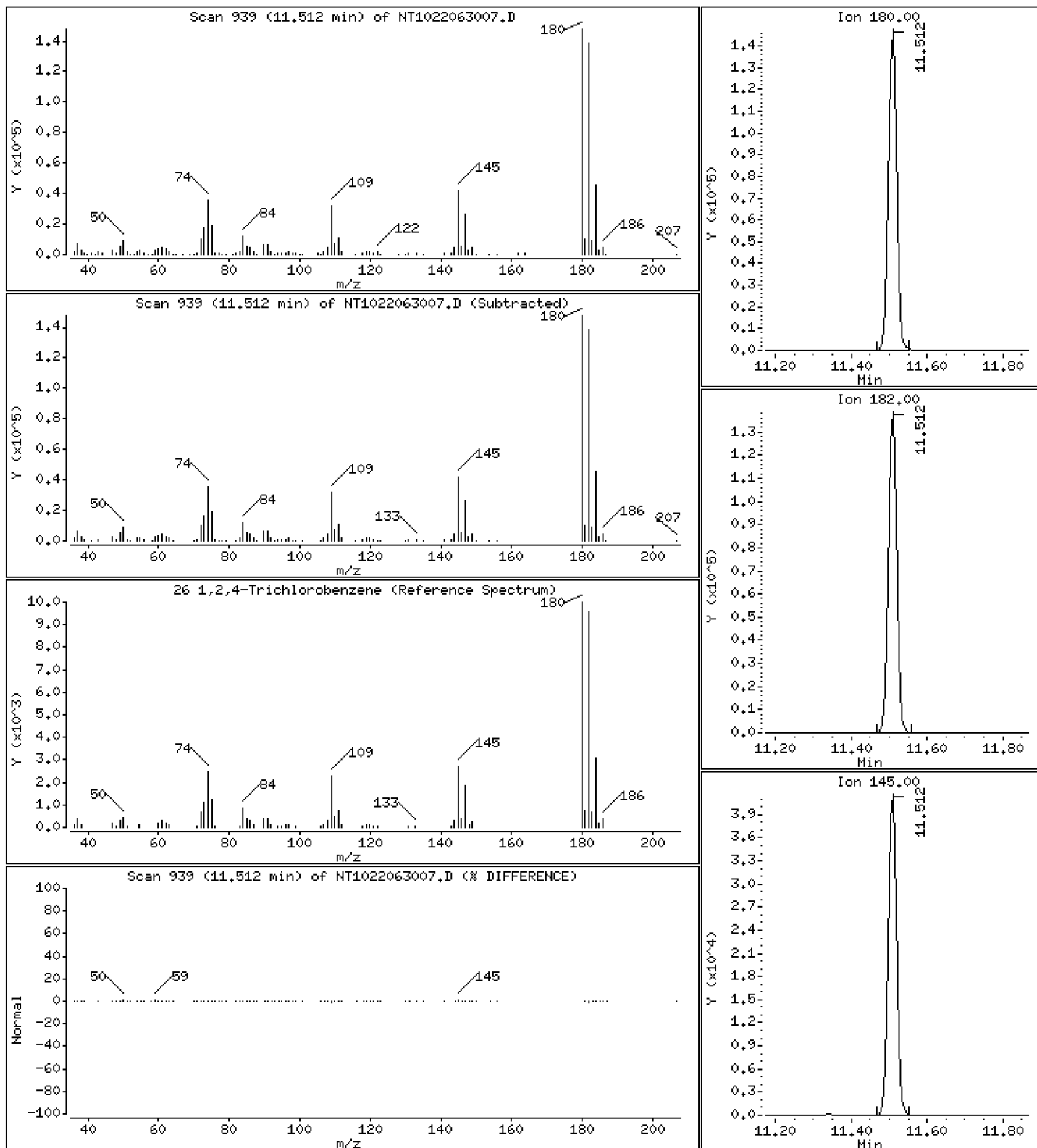
Operator: VTS

Column phase: ZB-5msi

Column diameter: 0,25

26 1,2,4-Trichlorobenzene

Concentration: 3,382 ug/mL



Date : 30-JUN-2022 17:25

Client ID:

Instrument: nt10.i

Sample Info: BKF0469-BSD1

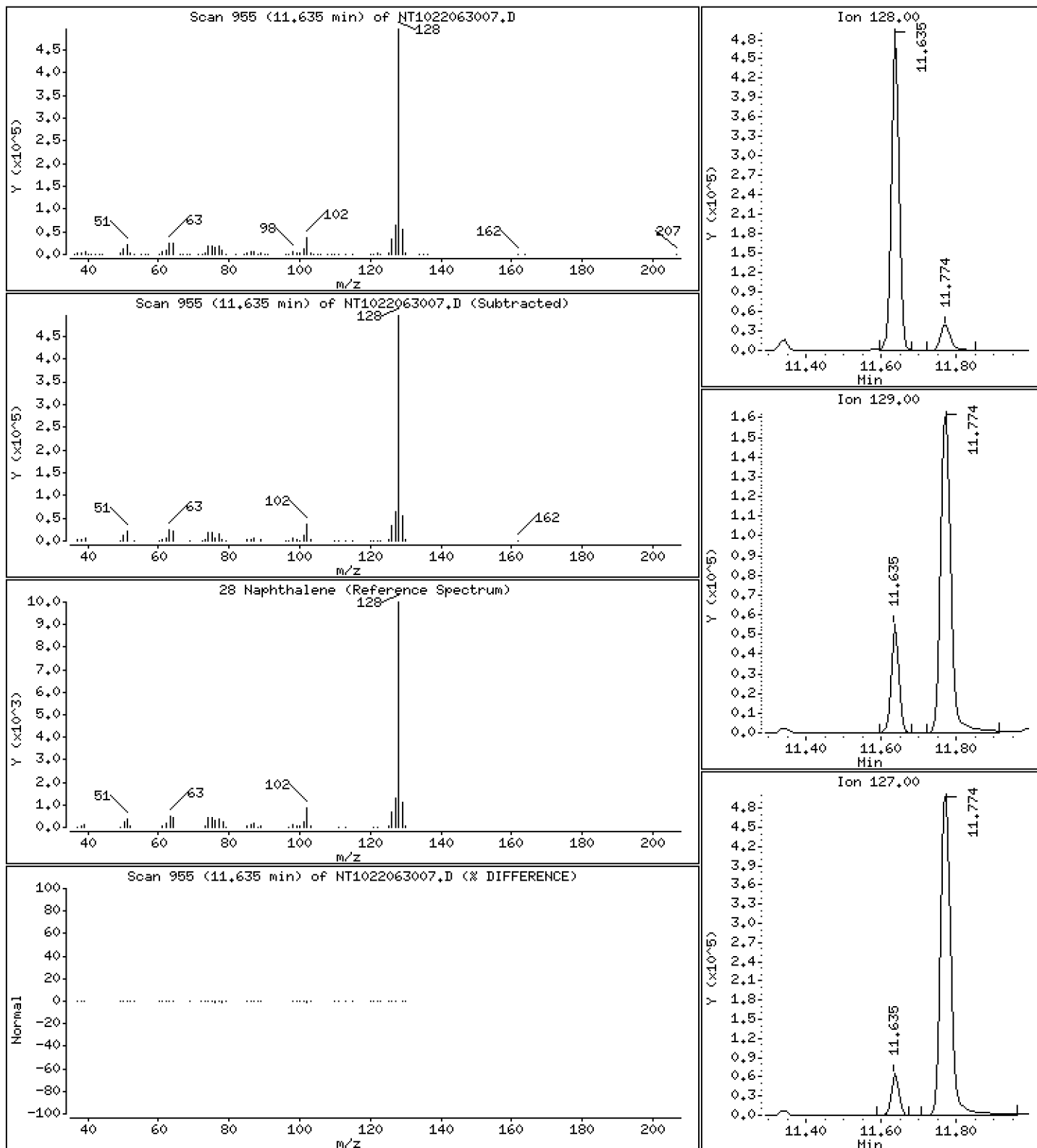
Operator: VTS

Column phase: ZB-5msi

Column diameter: 0.25

28 Naphthalene

Concentration: 3,551 ug/mL



Date : 30-JUN-2022 17:25

Client ID:

Instrument: nt10.i

Sample Info: BKF0469-BSD1

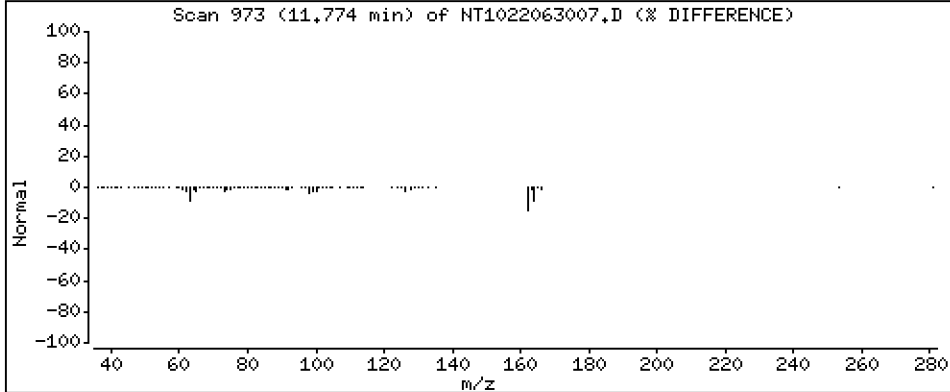
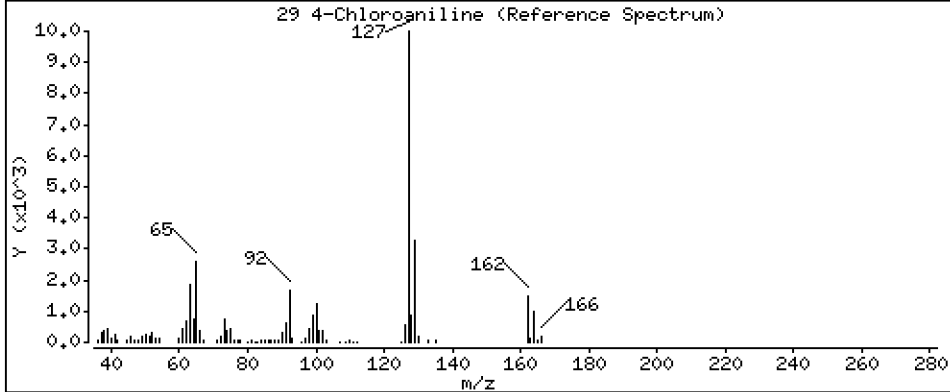
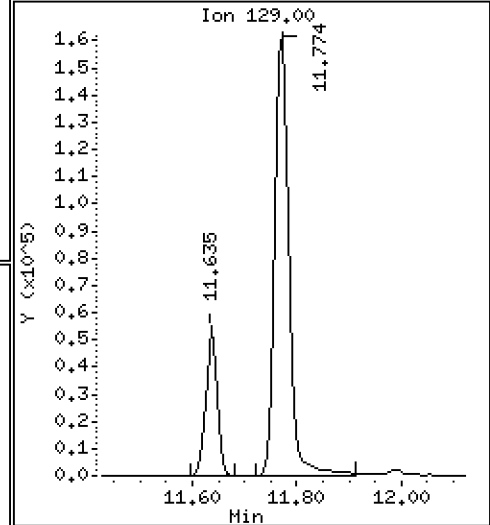
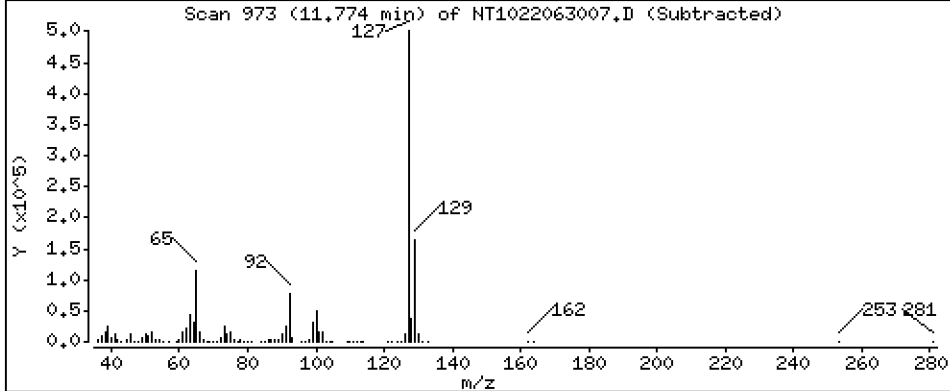
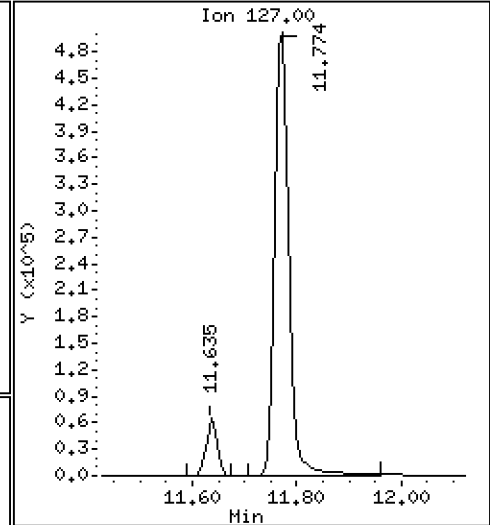
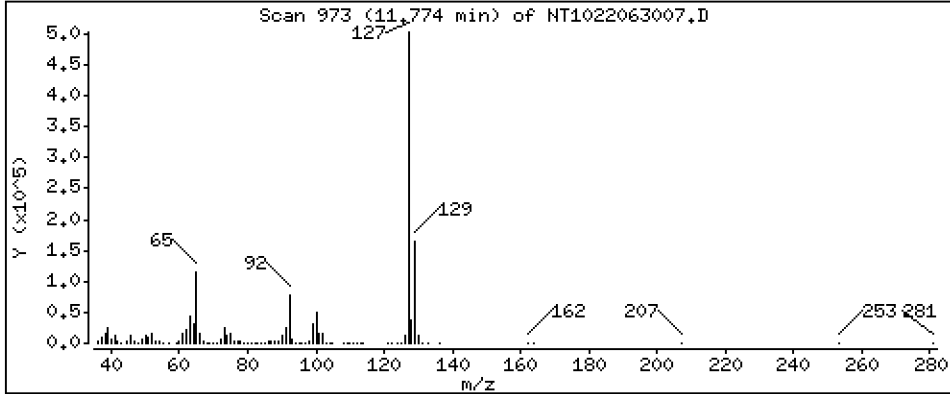
Operator: VTS

Column phase: ZB-5msi

Column diameter: 0,25

29 4-Chloroaniline

Concentration: 10,97 ug/mL



Date : 30-JUN-2022 17:25

Client ID:

Instrument: nt10.i

Sample Info: BKF0469-BSD1

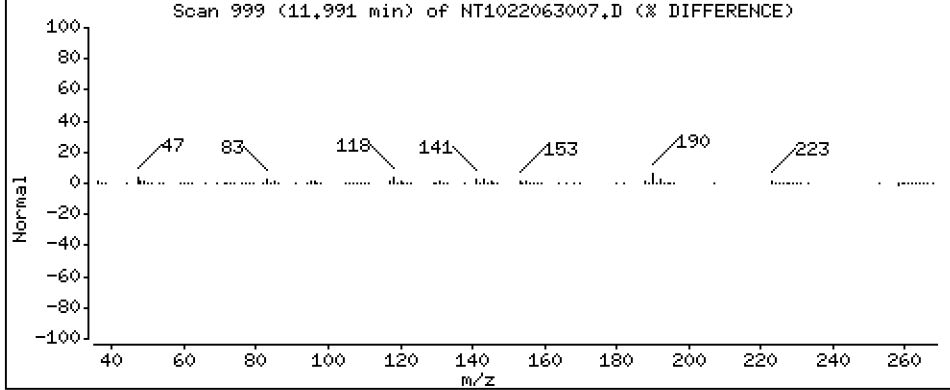
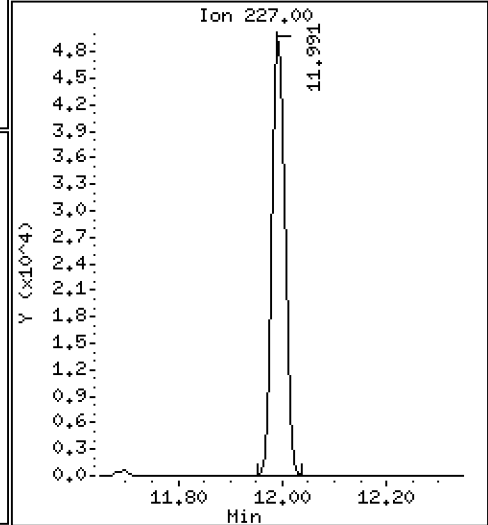
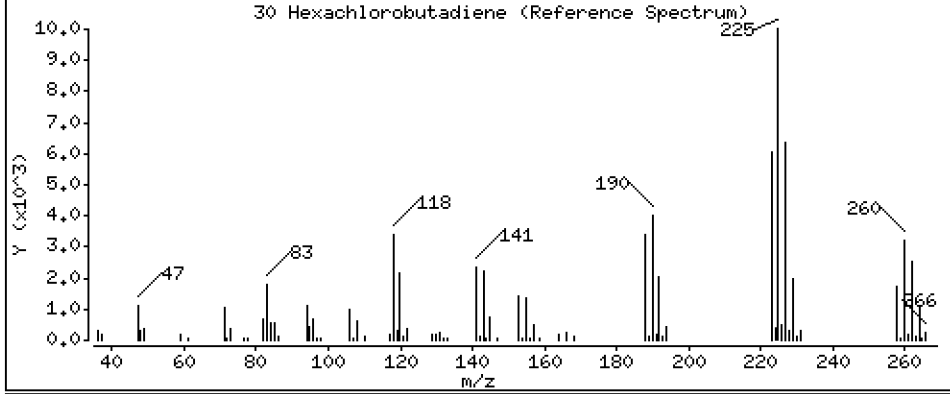
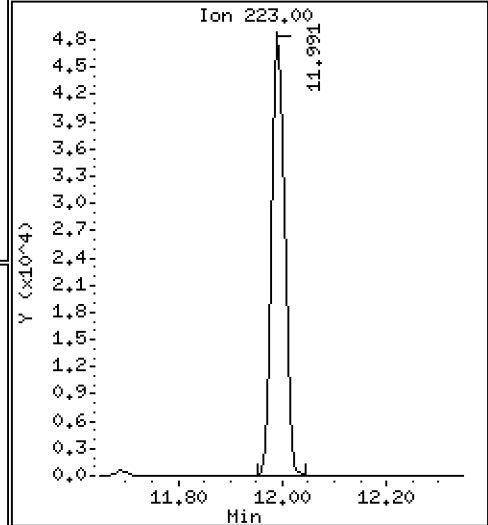
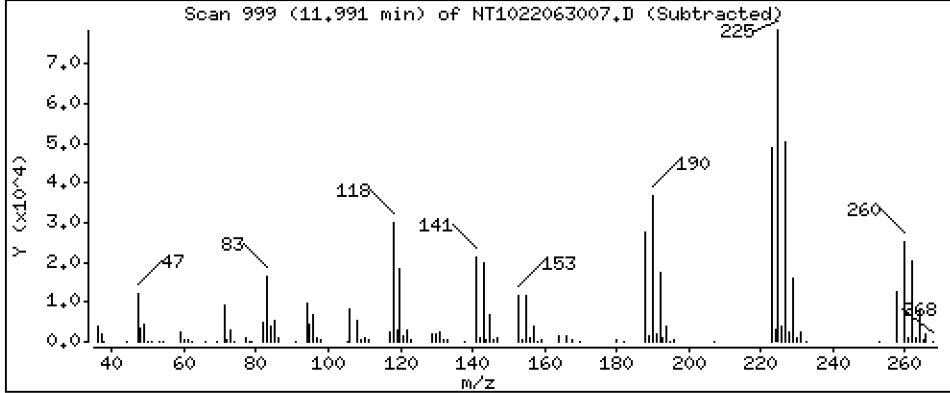
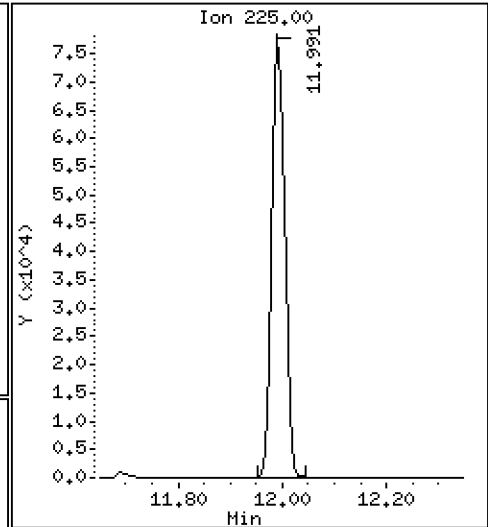
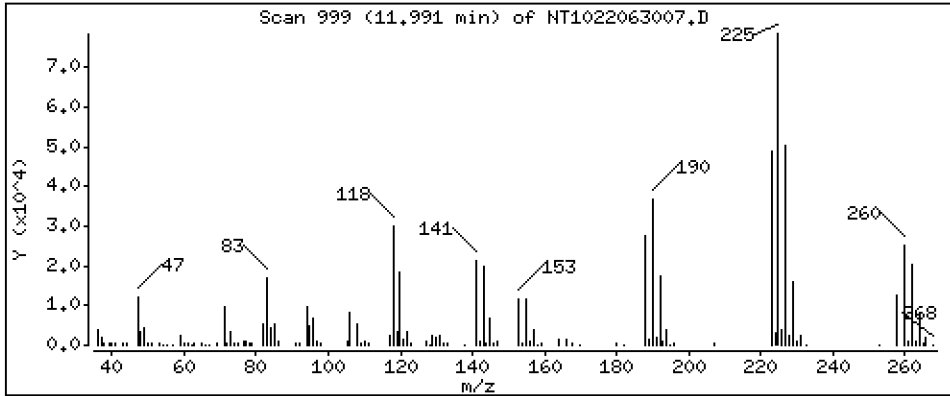
Operator: VTS

Column phase: ZB-5msi

Column diameter: 0,25

30 Hexachlorobutadiene

Concentration: 3,910 ug/mL



Date : 30-JUN-2022 17:25

Client ID:

Instrument: nt10.i

Sample Info: BKF0469-BSD1

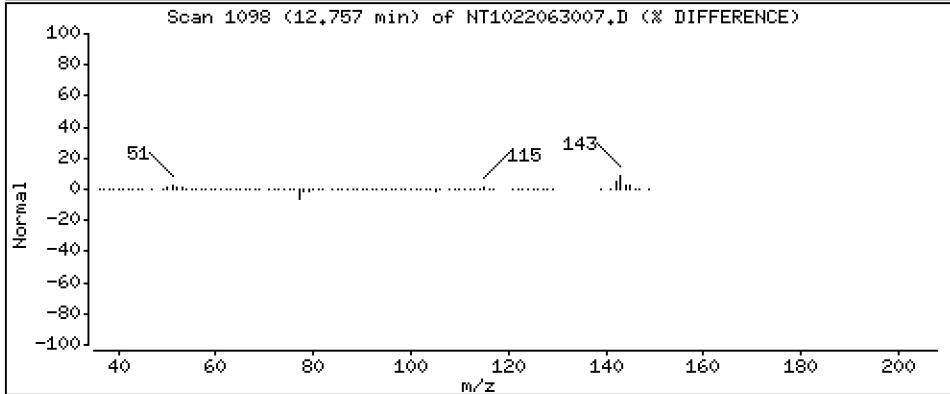
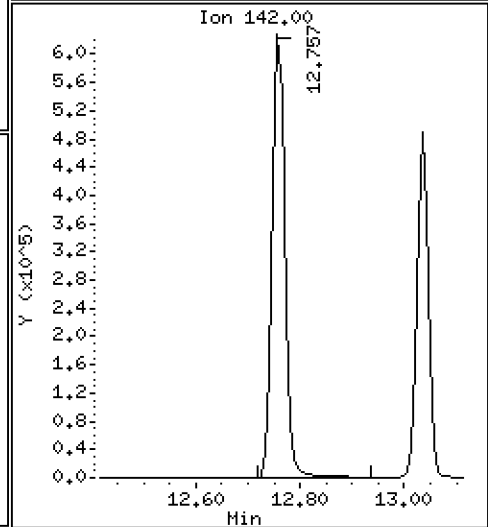
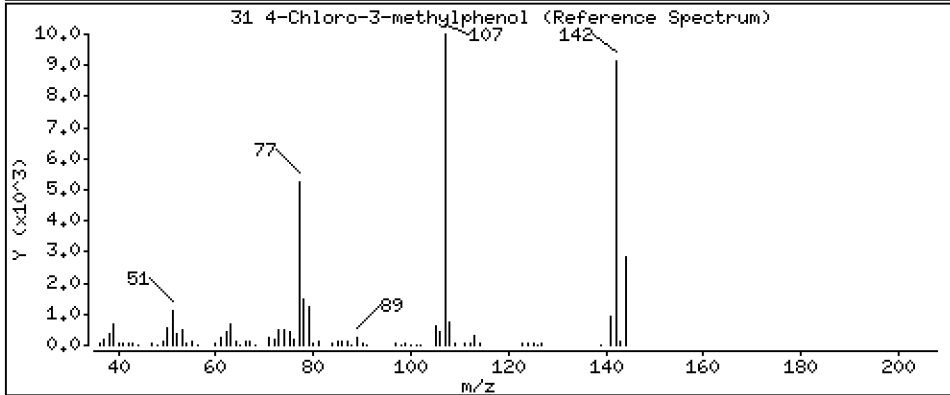
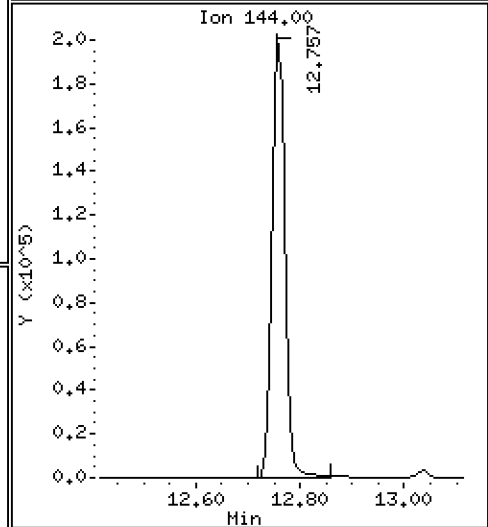
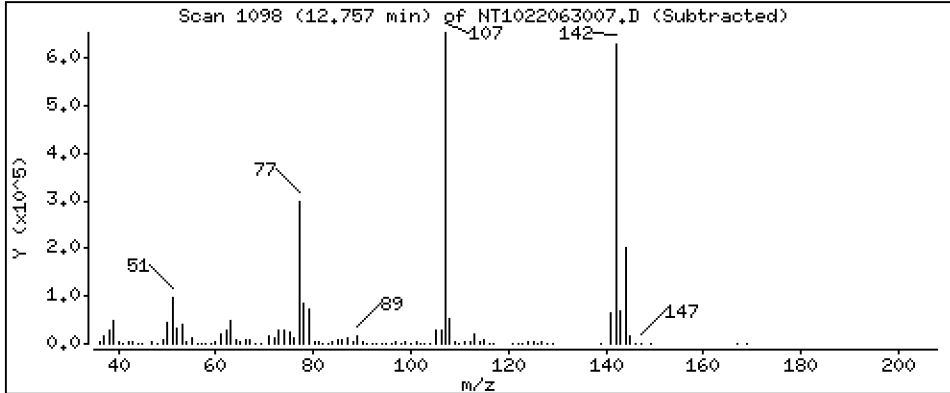
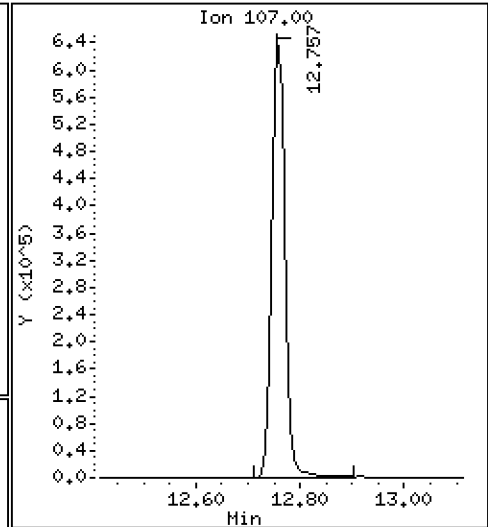
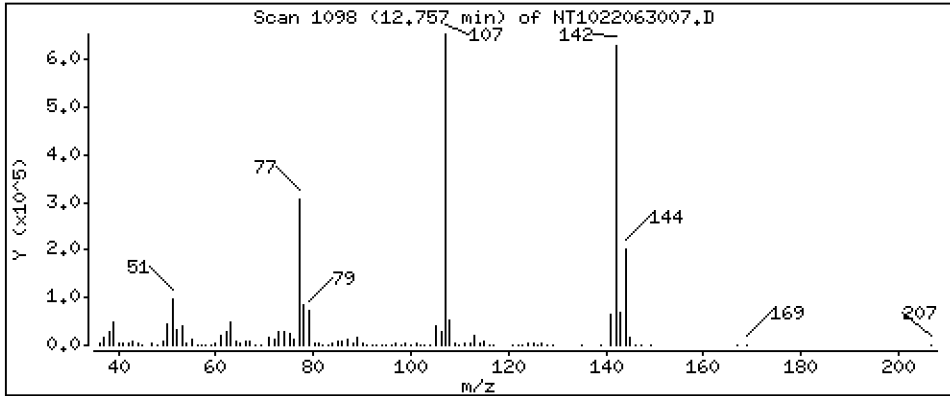
Operator: VTS

Column phase: ZB-5msi

Column diameter: 0,25

31 4-Chloro-3-methylphenol

Concentration: 13,27 ug/mL



Date : 30-JUN-2022 17:25

Client ID:

Instrument: nt10.i

Sample Info: BKF0469-BSD1

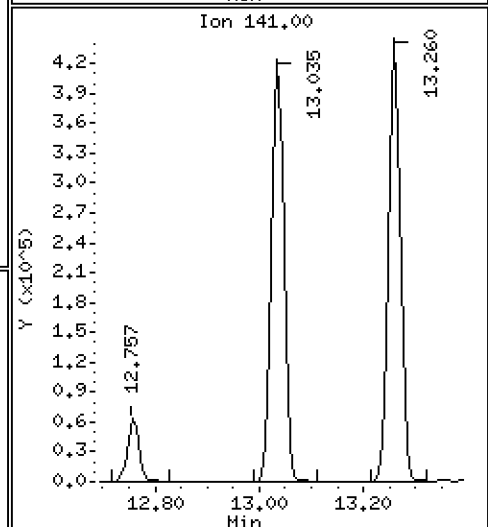
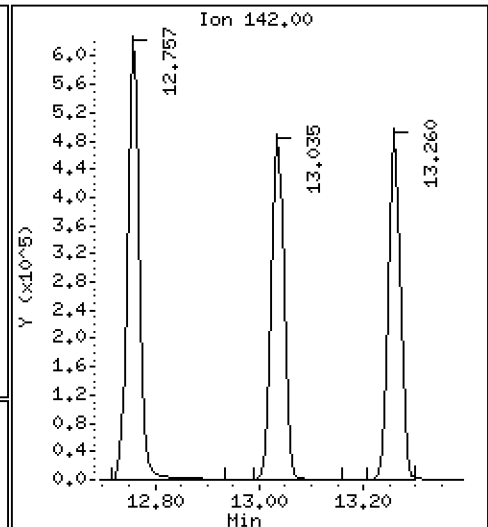
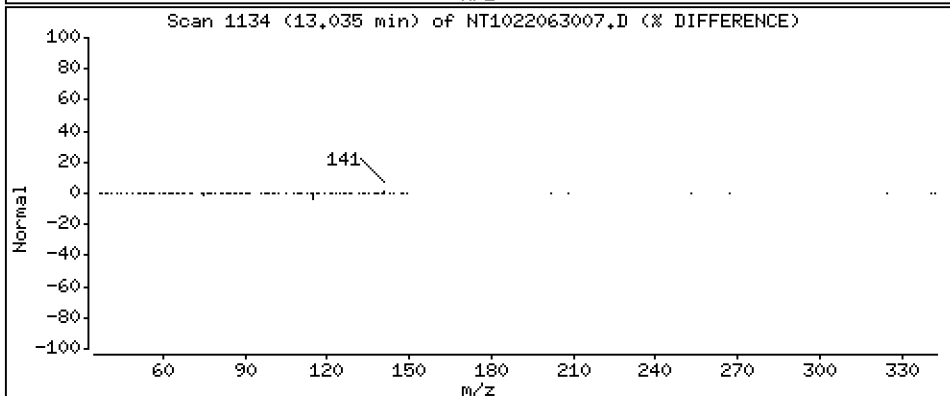
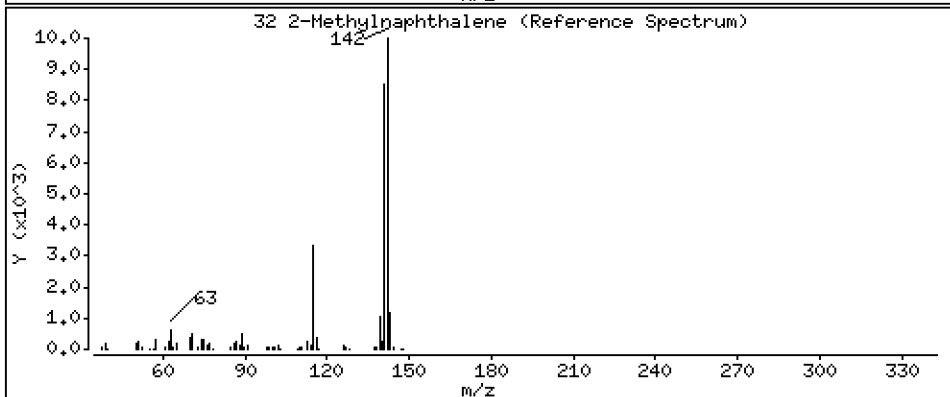
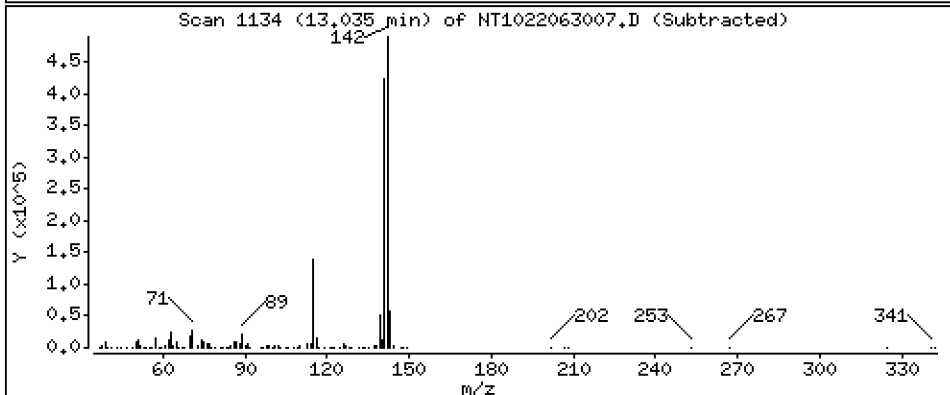
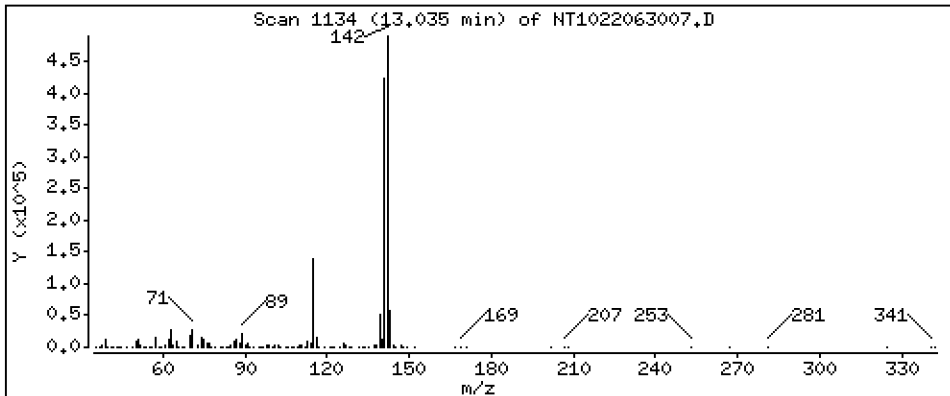
Operator: VTS

Column phase: ZB-5msi

Column diameter: 0,25

32 2-Methylnaphthalene

Concentration: 3,915 ug/mL



Date : 30-JUN-2022 17:25

Client ID:

Instrument: nt10.i

Sample Info: BKF0469-BSD1

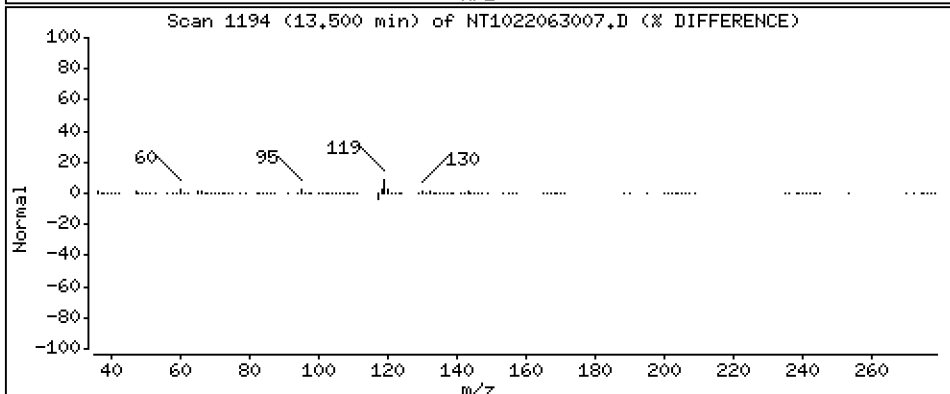
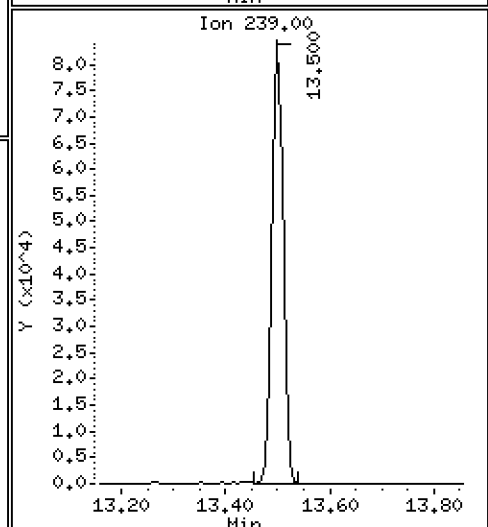
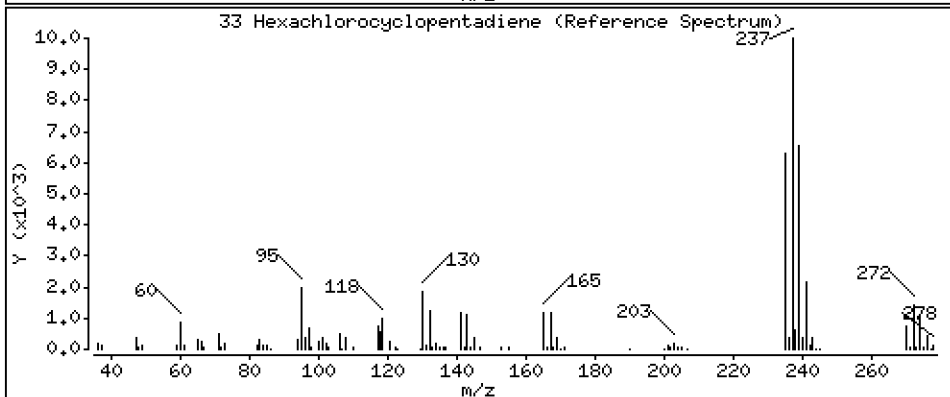
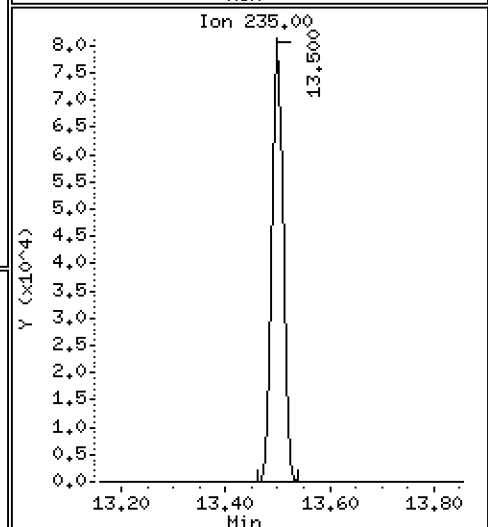
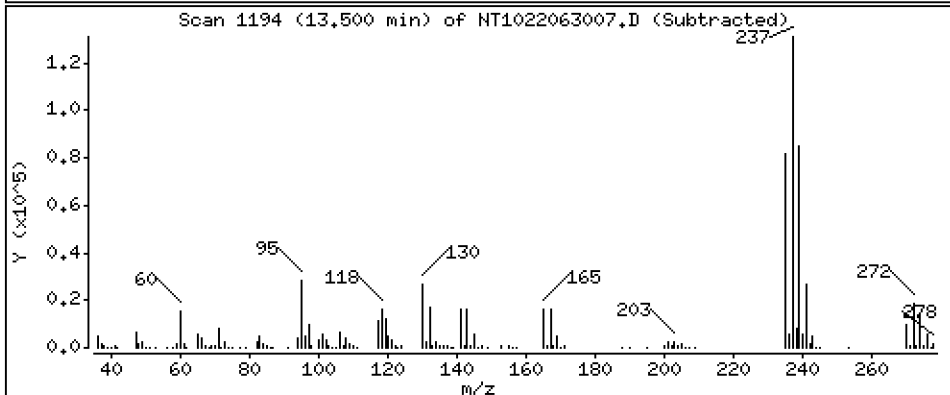
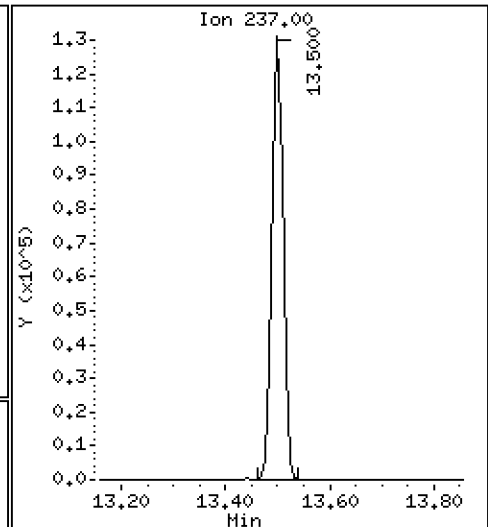
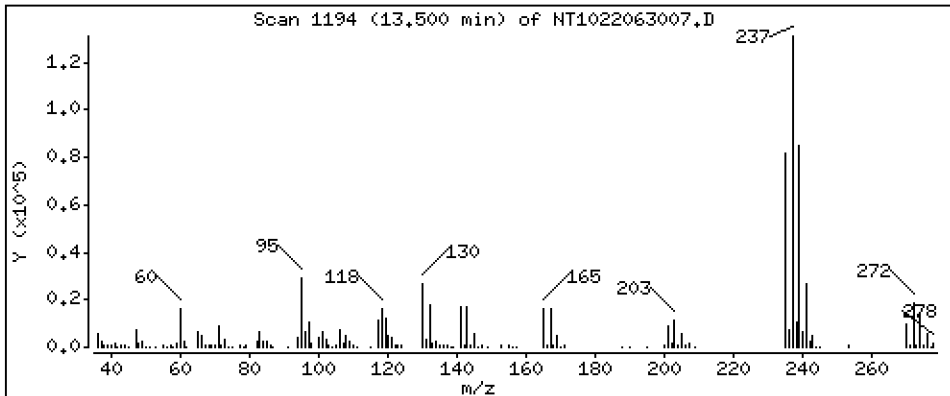
Operator: VTS

Column phase: ZB-5msi

Column diameter: 0,25

33 Hexachlorocyclopentadiene

Concentration: 6,835 ug/mL



Date : 30-JUN-2022 17:25

Client ID:

Instrument: nt10.i

Sample Info: BKF0469-BSD1

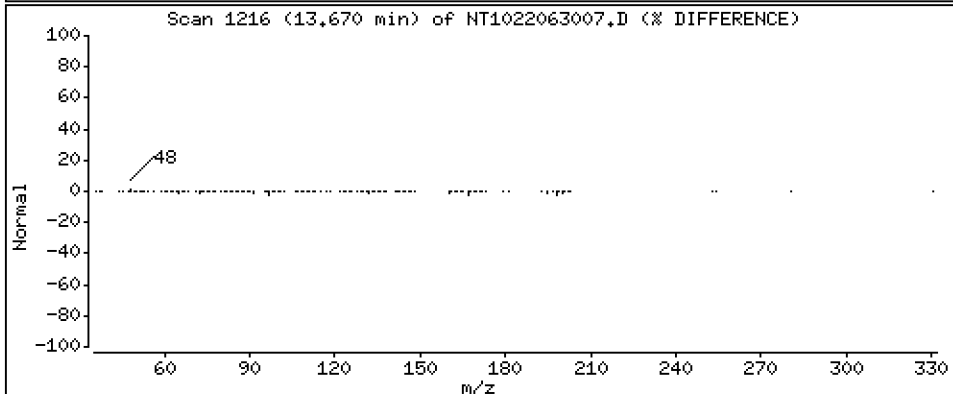
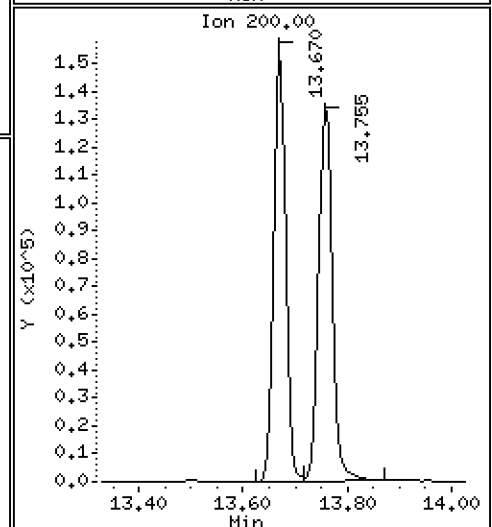
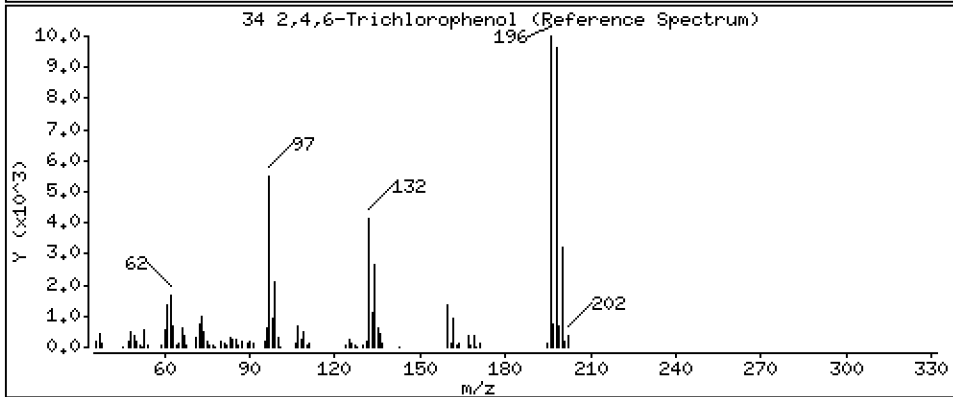
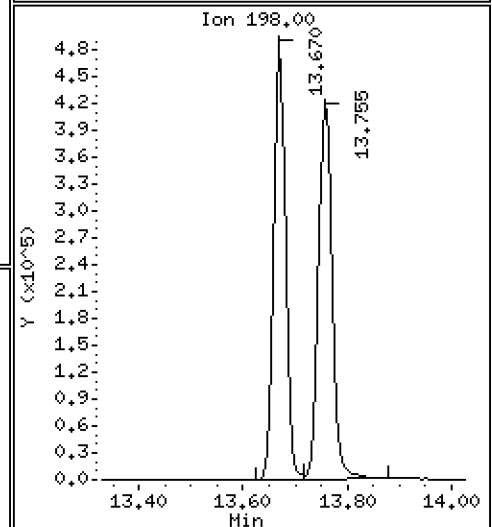
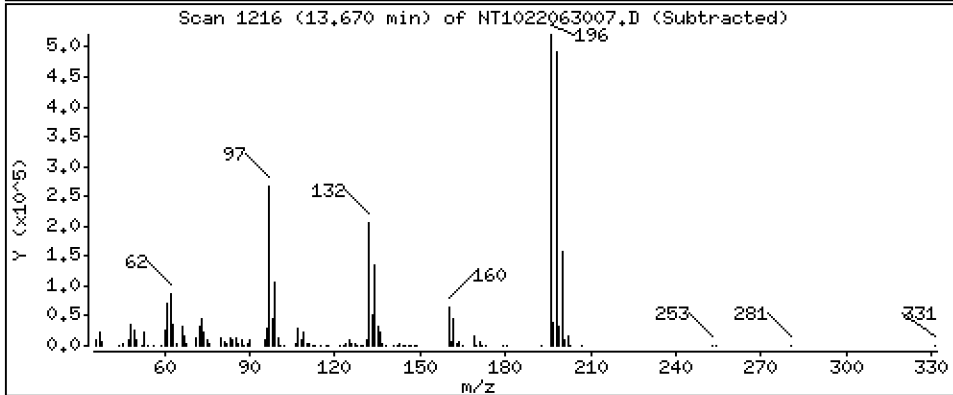
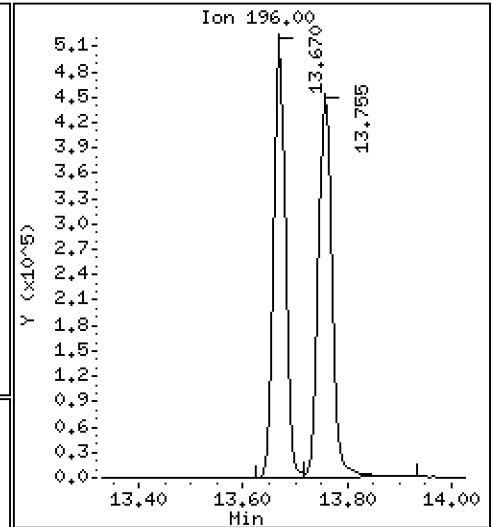
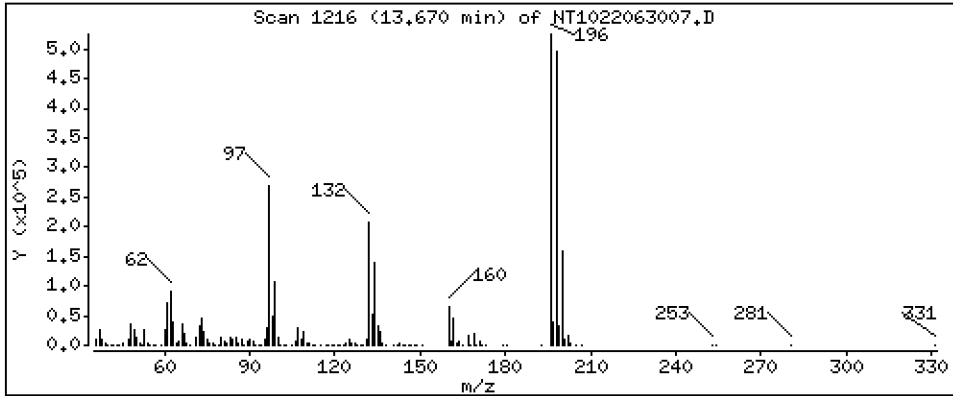
Operator: VTS

Column phase: ZB-5msi

Column diameter: 0,25

34 2,4,6-Trichlorophenol

Concentration: 14,76 ug/mL



Date : 30-JUN-2022 17:25

Client ID:

Instrument: nt10.i

Sample Info: BKF0469-BSD1

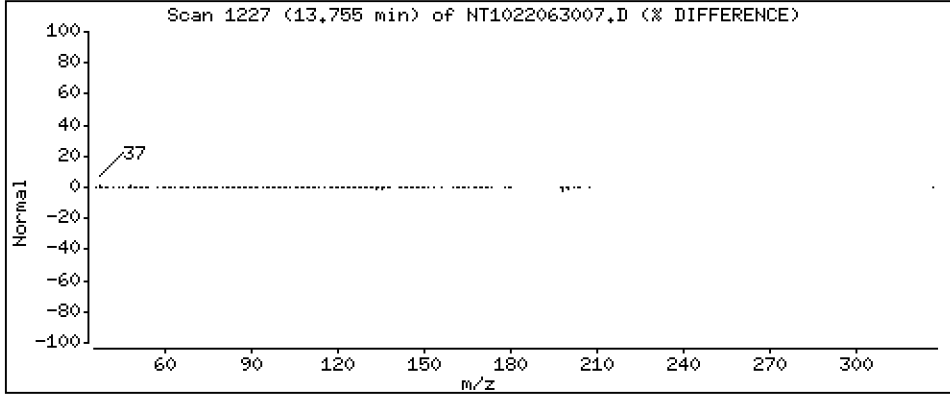
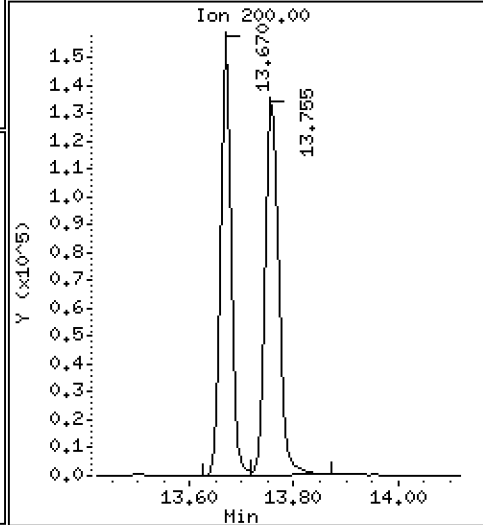
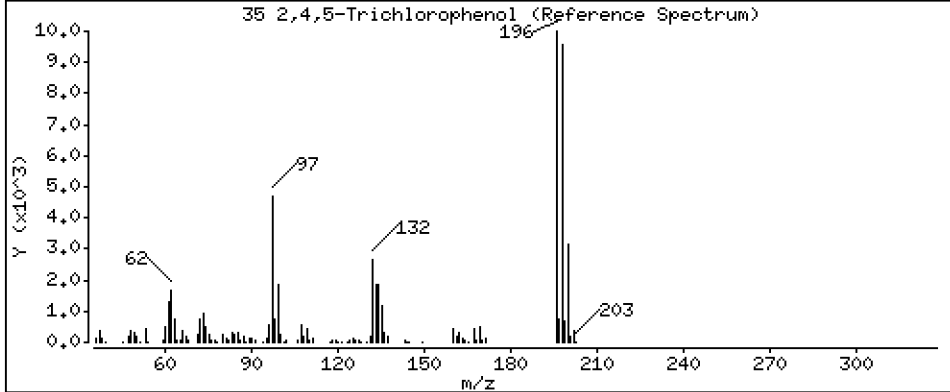
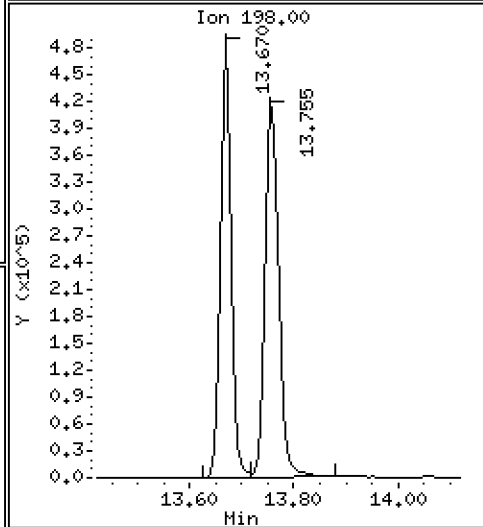
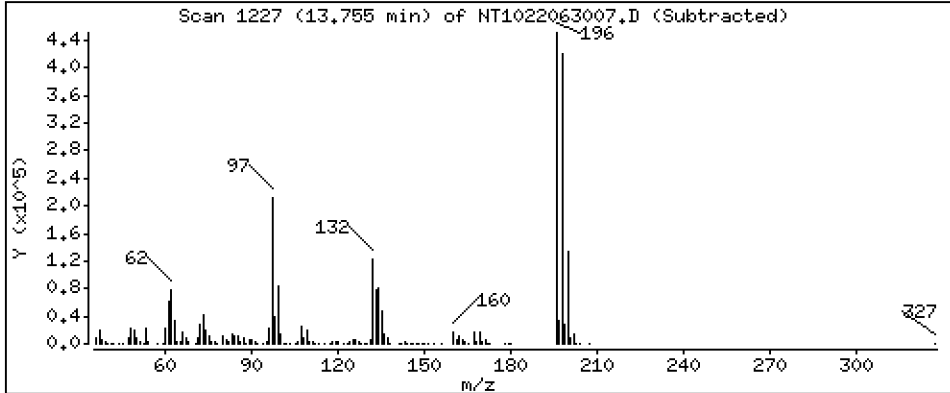
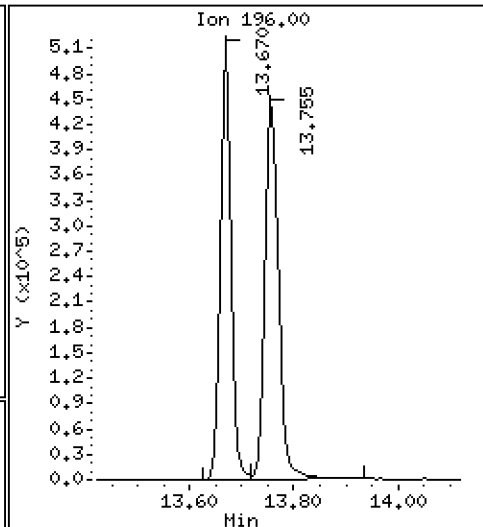
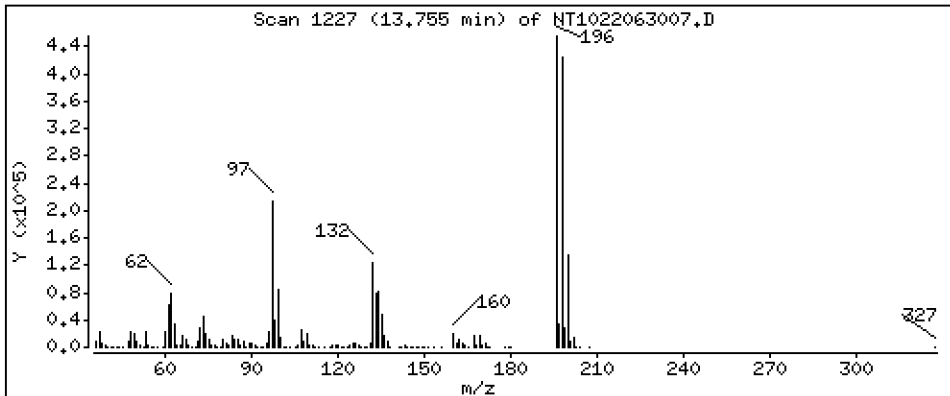
Operator: VTS

Column phase: ZB-5msi

Column diameter: 0.25

35 2,4,5-Trichlorophenol

Concentration: 12.99 ug/mL



Date : 30-JUN-2022 17:25

Client ID:

Instrument: nt10.i

Sample Info: BKF0469-BSD1

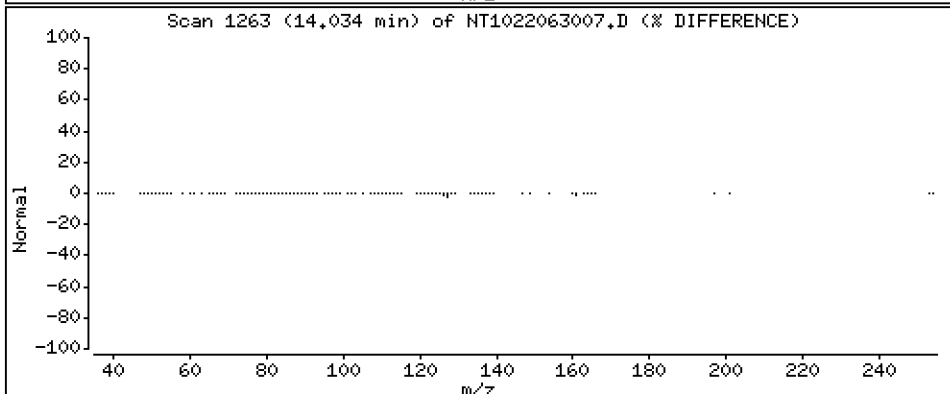
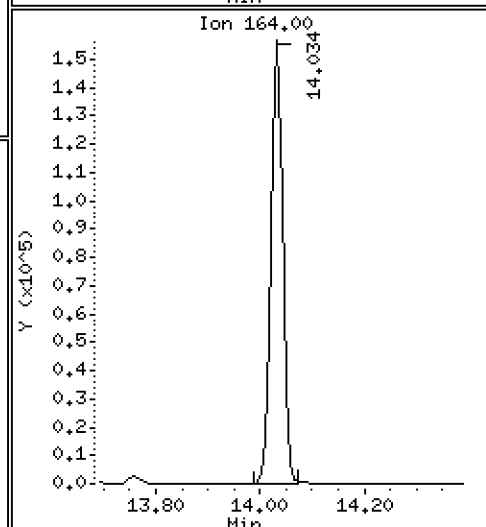
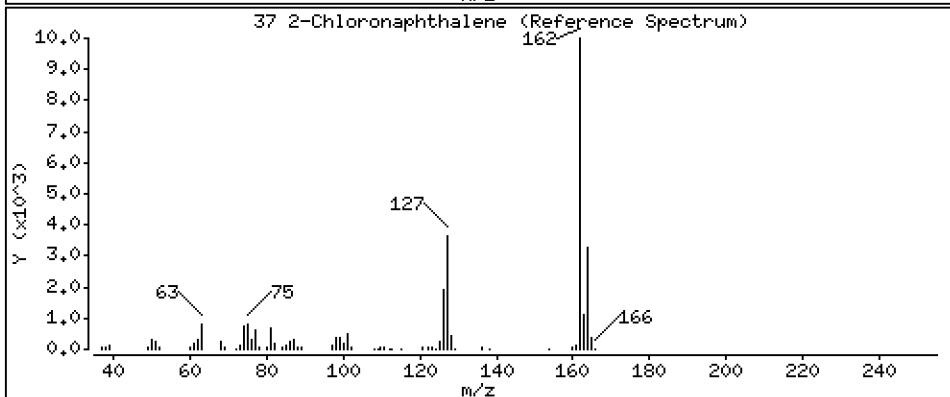
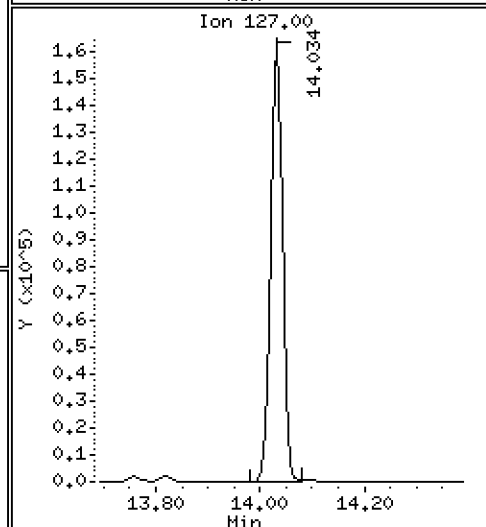
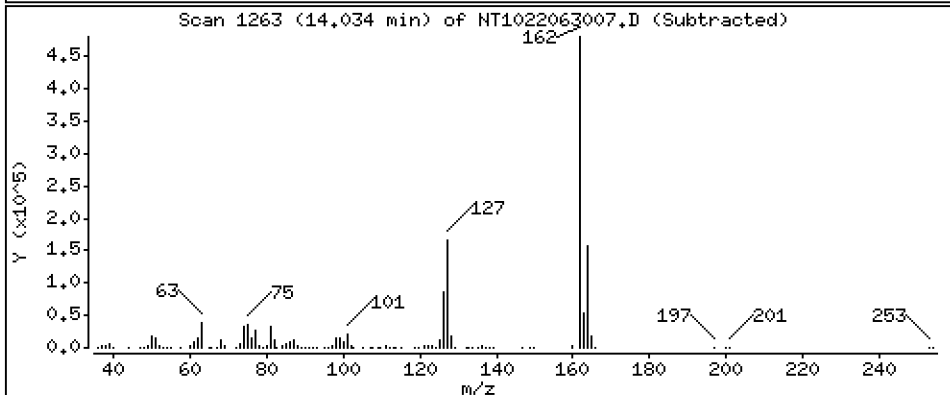
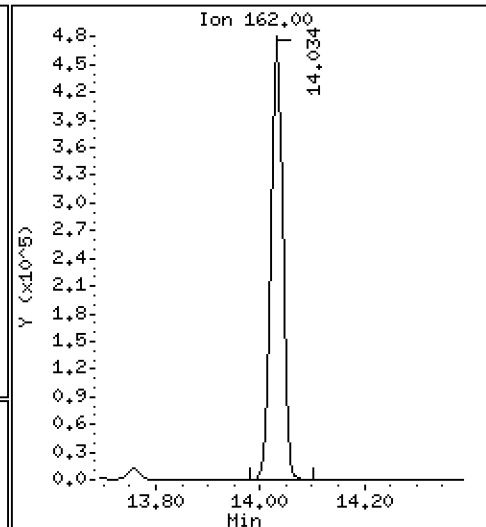
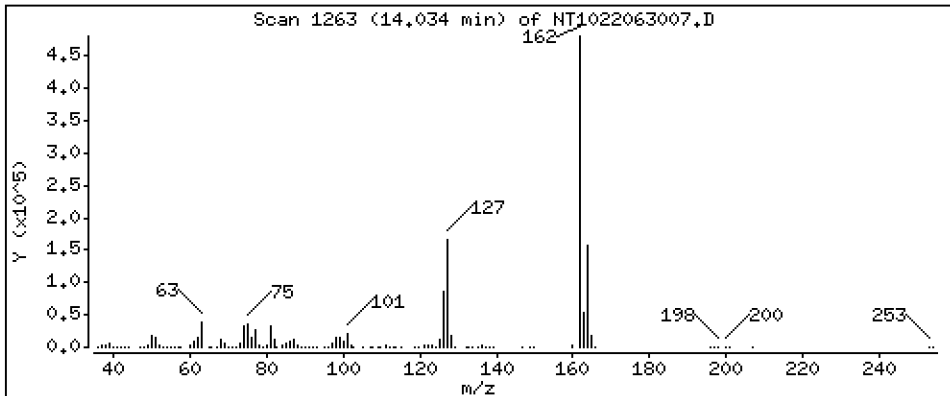
Operator: VTS

Column phase: ZB-5msi

Column diameter: 0,25

37 2-Chloronaphthalene

Concentration: 3,909 ug/mL



Date : 30-JUN-2022 17:25

Client ID:

Instrument: nt10.i

Sample Info: BKF0469-BSD1

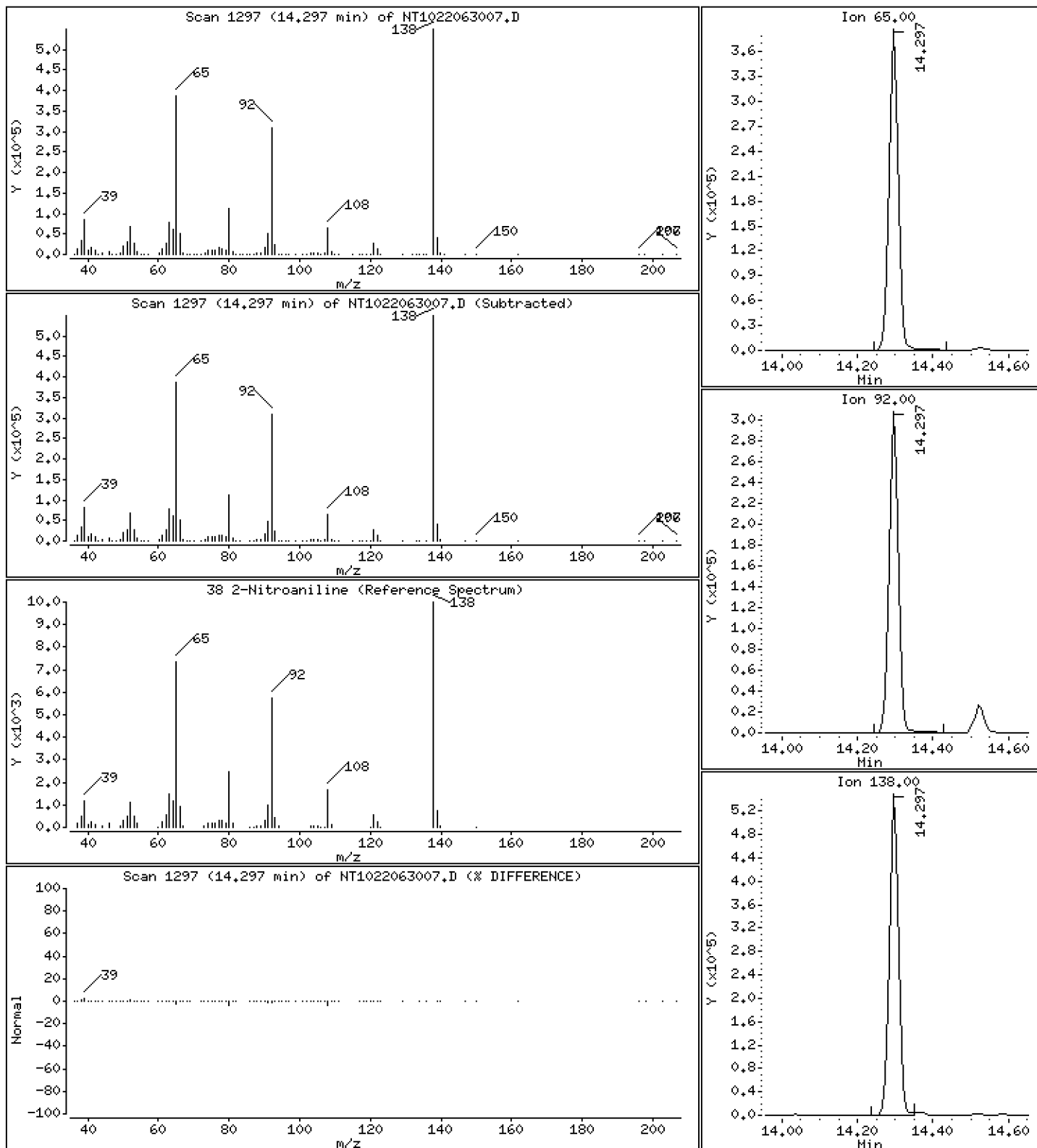
Operator: VTS

Column phase: ZB-5msi

Column diameter: 0,25

38 2-Nitroaniline

Concentration: 13,21 ug/mL



Date : 30-JUN-2022 17:25

Client ID:

Instrument: nt10.i

Sample Info: BKF0469-BSD1

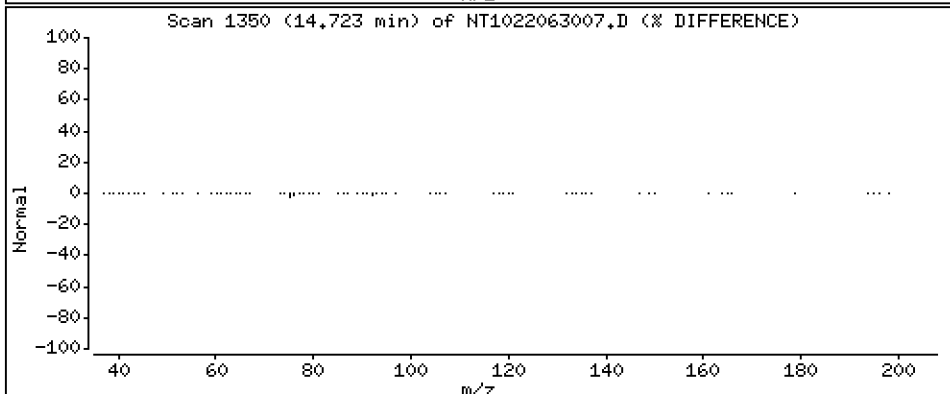
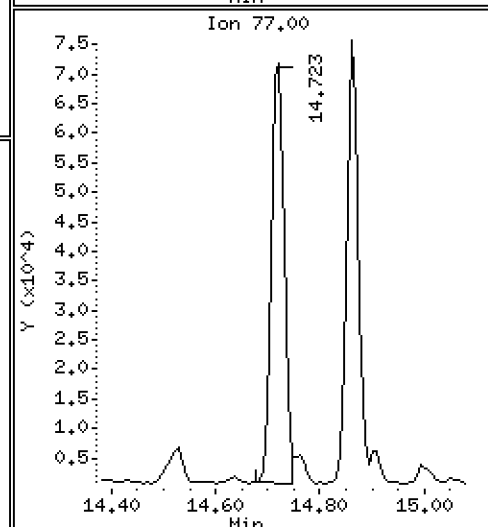
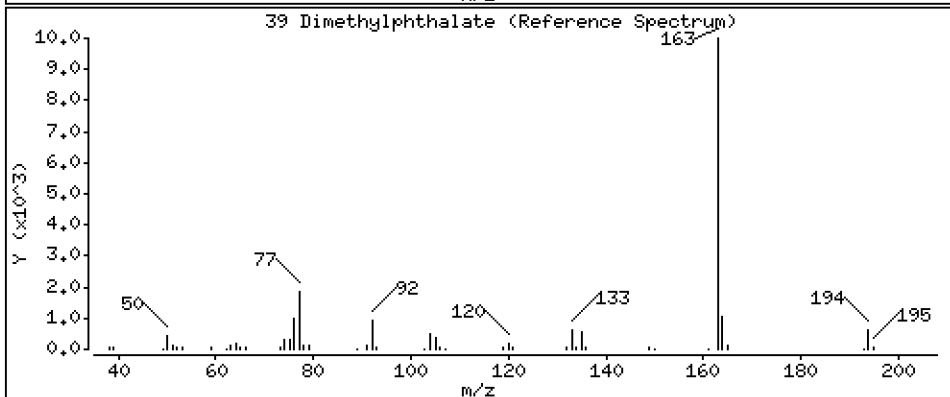
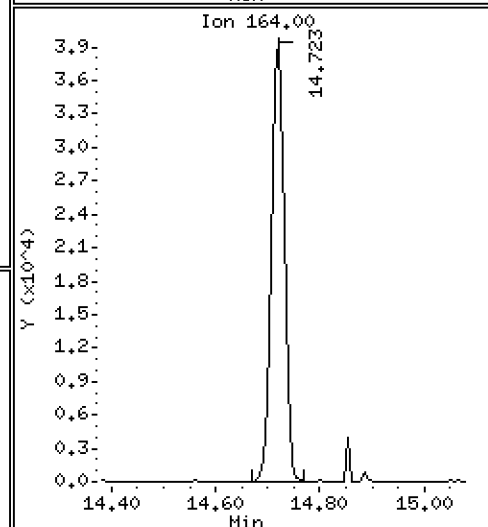
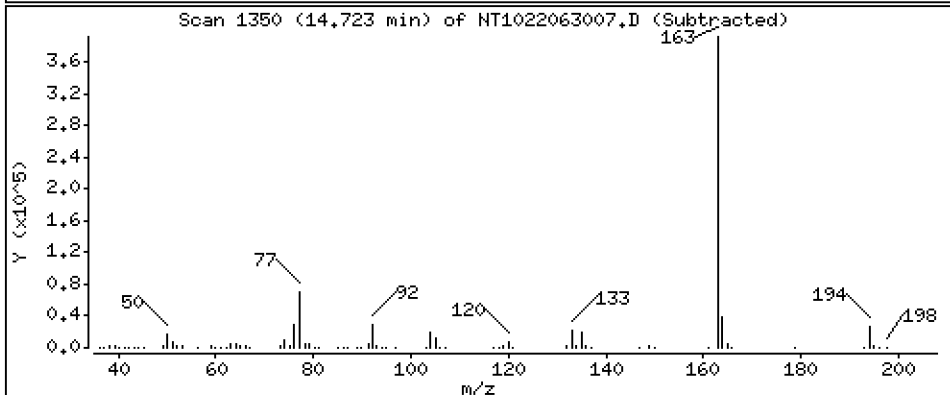
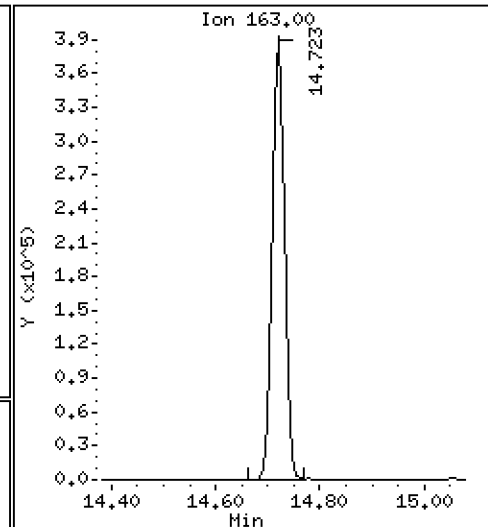
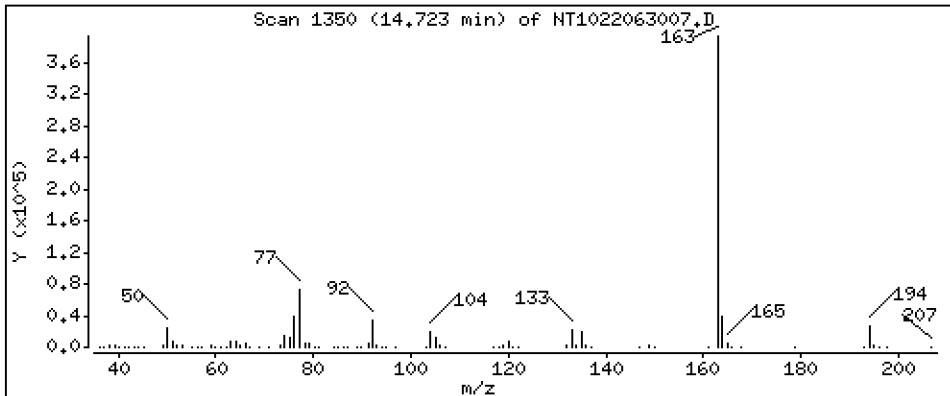
Operator: VTS

Column phase: ZB-5msi

Column diameter: 0,25

39 Dimethylphthalate

Concentration: 3,830 ug/mL



Date : 30-JUN-2022 17:25

Client ID:

Instrument: nt10.i

Sample Info: BKF0469-BSD1

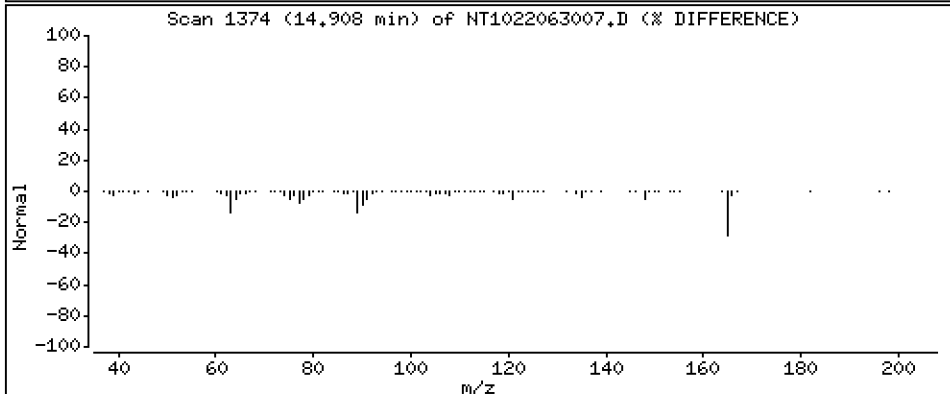
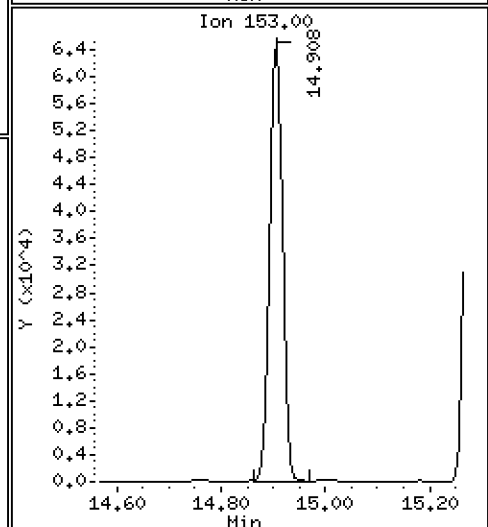
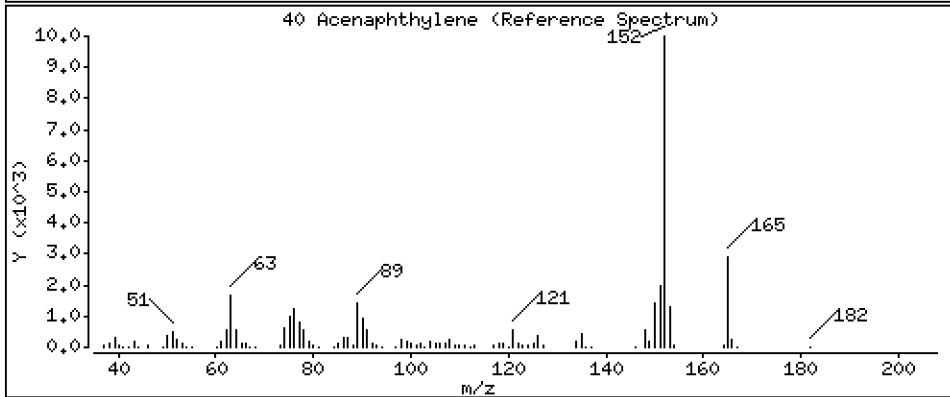
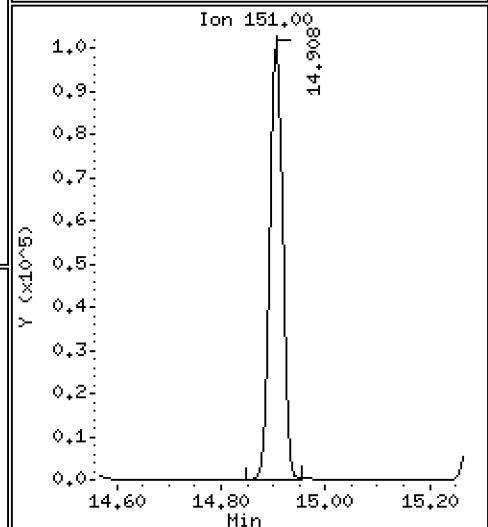
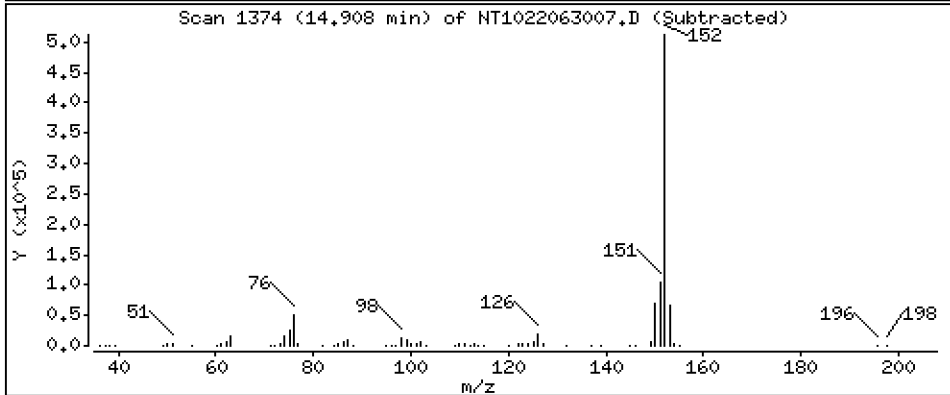
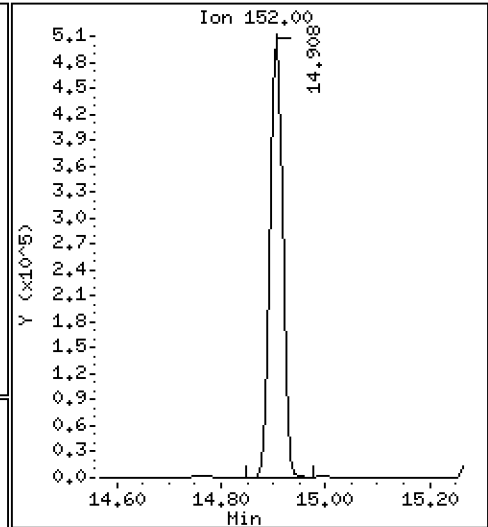
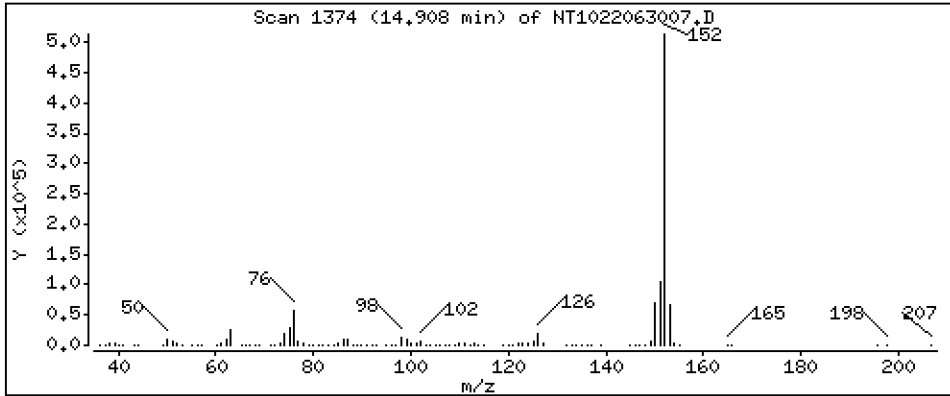
Operator: VTS

Column phase: ZB-5msi

Column diameter: 0,25

40 Acenaphthylene

Concentration: 3,116 ug/mL



Date : 30-JUN-2022 17:25

Client ID:

Instrument: nt10.i

Sample Info: BKF0469-BSD1

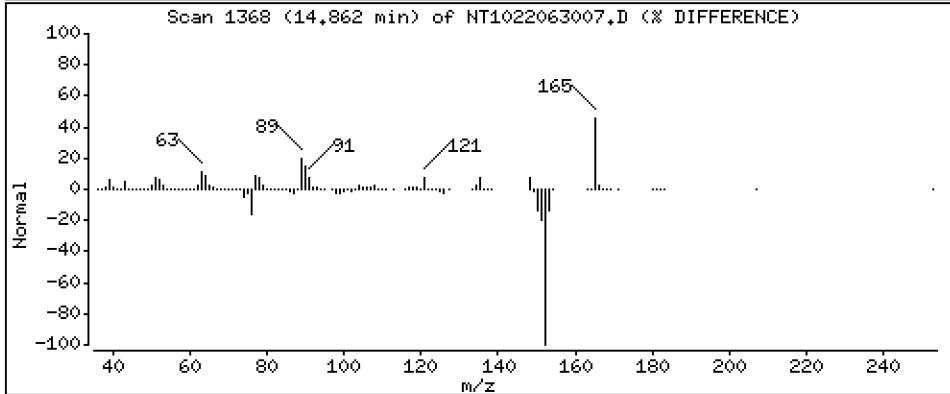
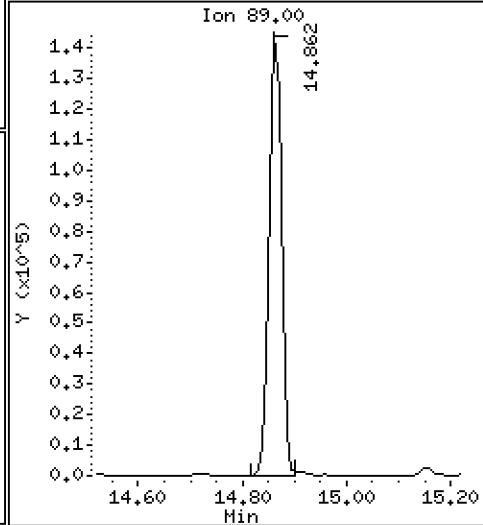
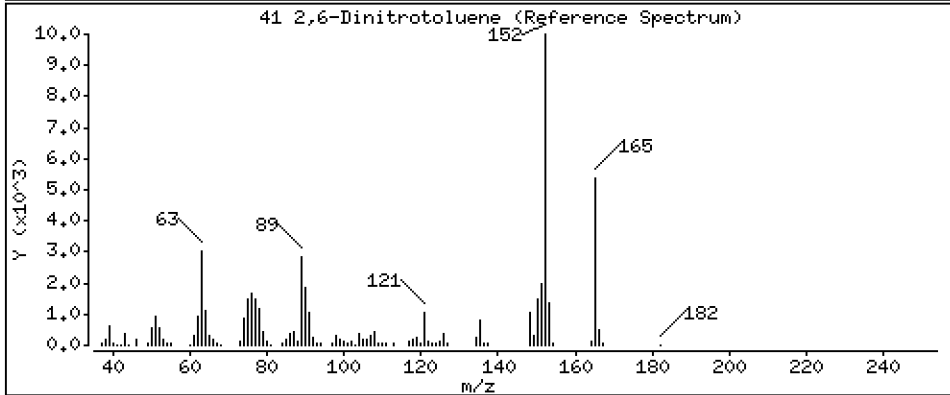
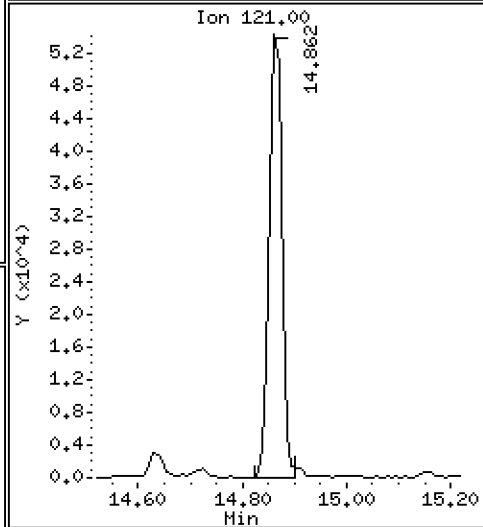
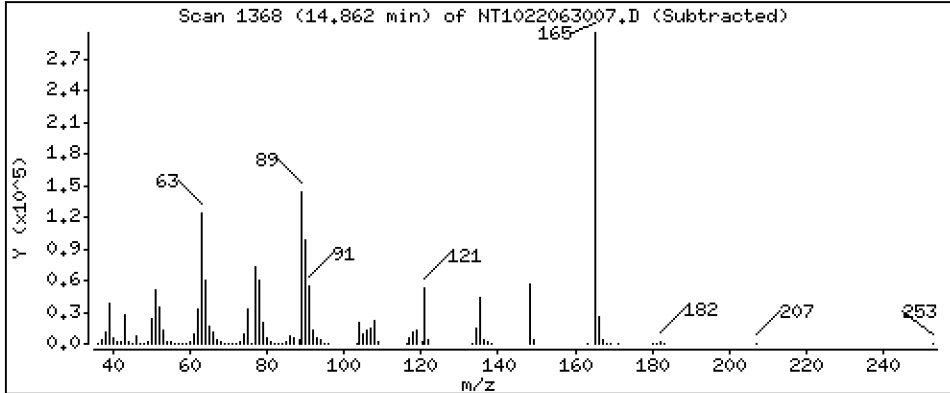
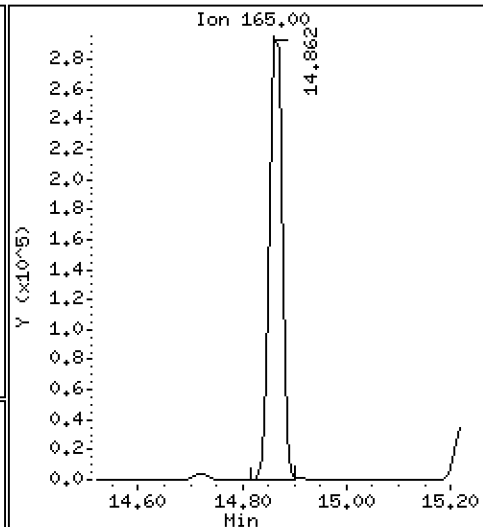
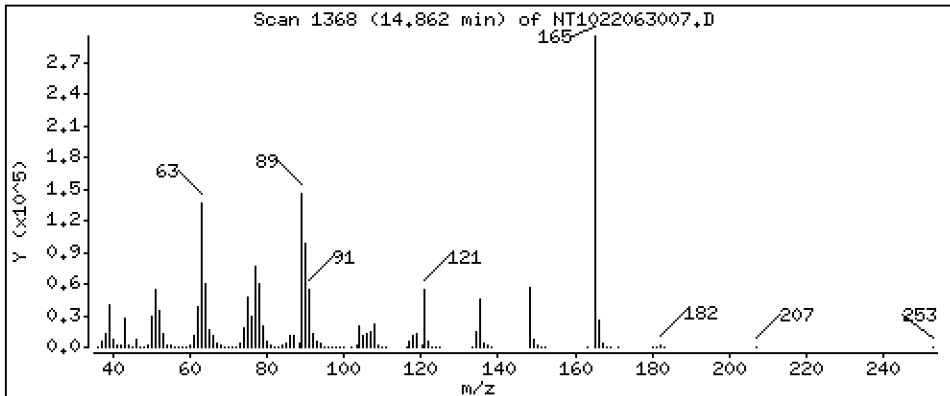
Operator: VTS

Column phase: ZB-5msi

Column diameter: 0,25

41 2,6-Dinitrotoluene

Concentration: 12,95 ug/mL



Date : 30-JUN-2022 17:25

Client ID:

Instrument: nt10.i

Sample Info: BKF0469-BSD1

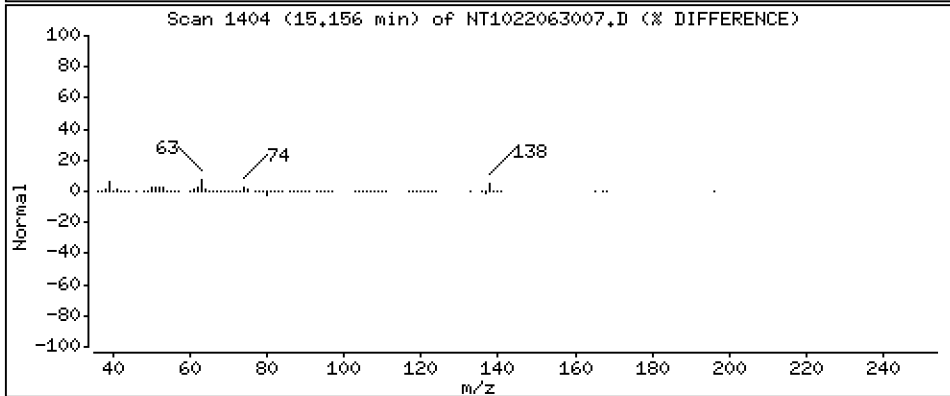
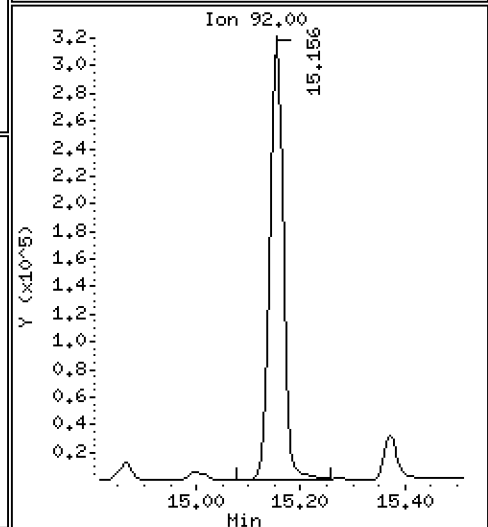
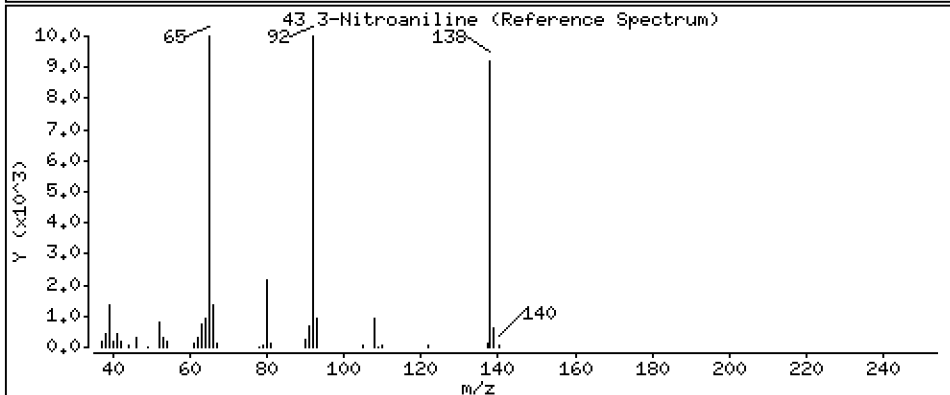
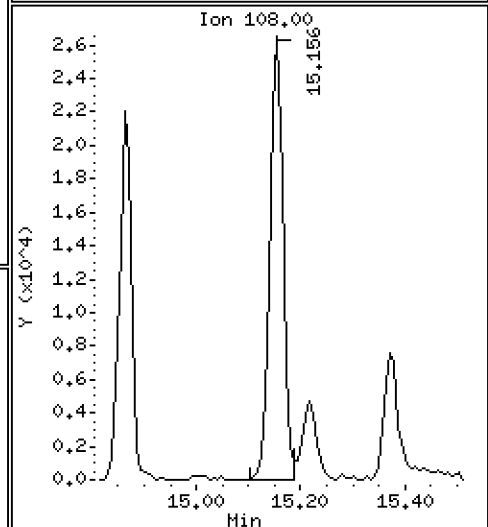
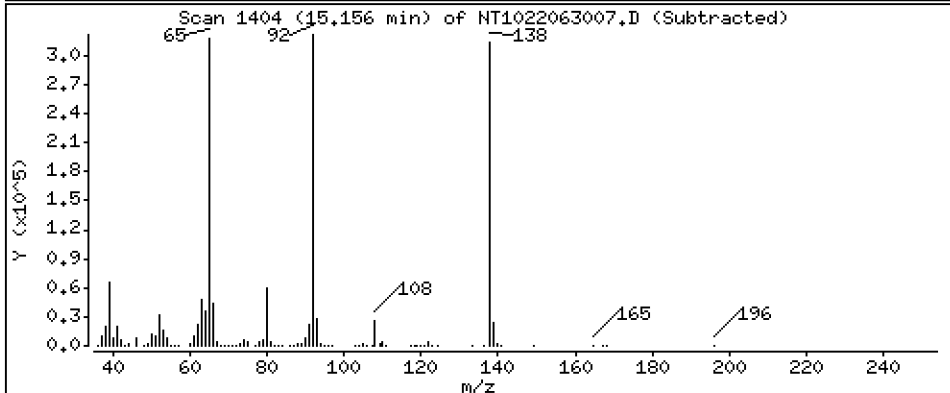
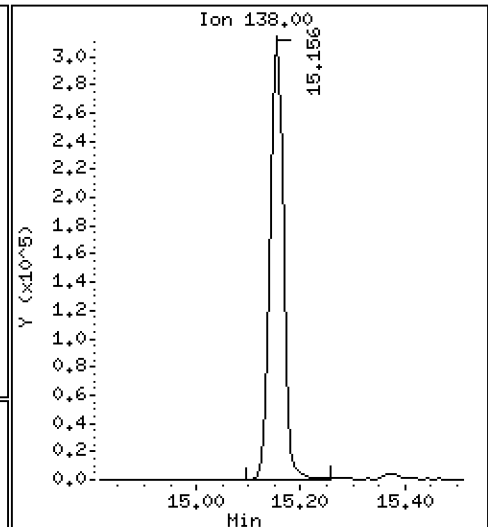
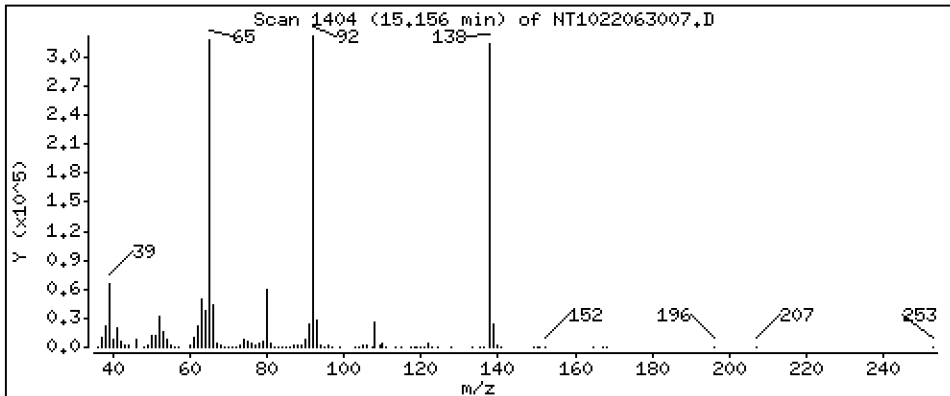
Operator: VTS

Column phase: ZB-5msi

Column diameter: 0,25

43 3-Nitroaniline

Concentration: 12,25 ug/mL



Date : 30-JUN-2022 17:25

Client ID:

Instrument: nt10.i

Sample Info: BKF0469-BSD1

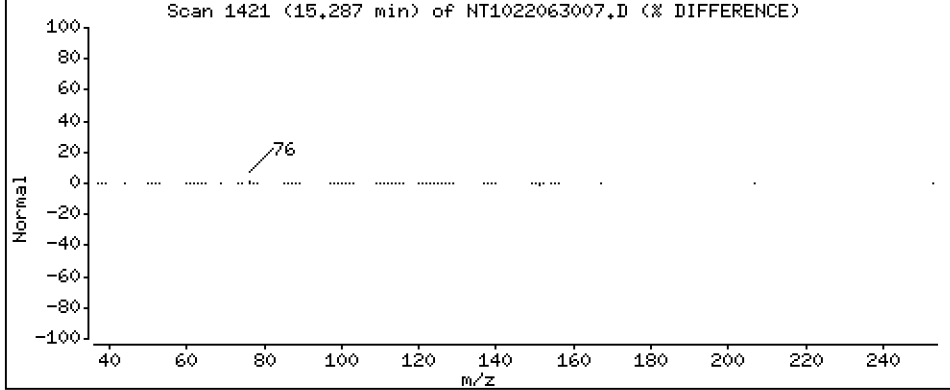
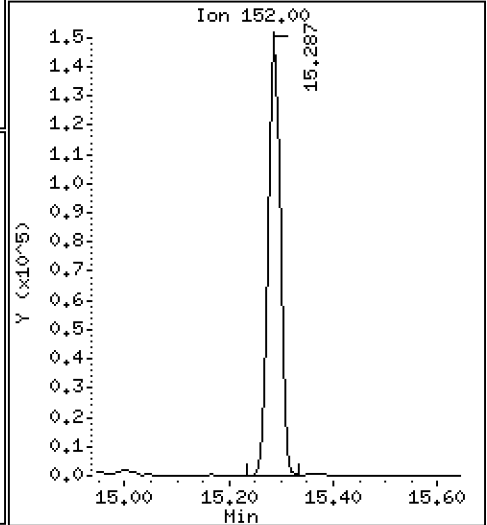
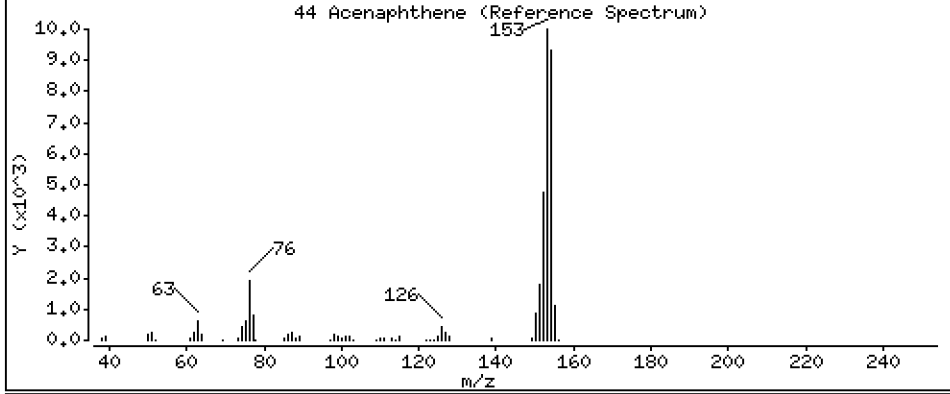
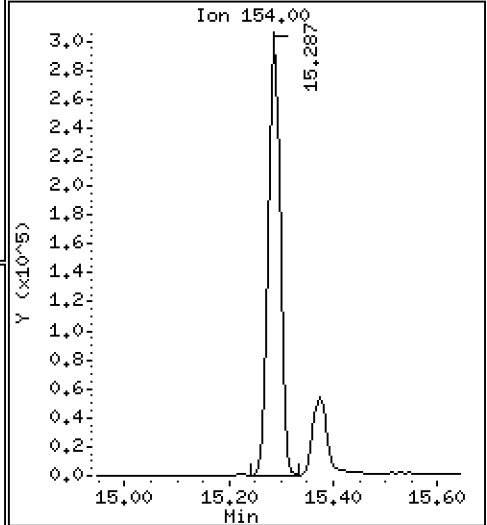
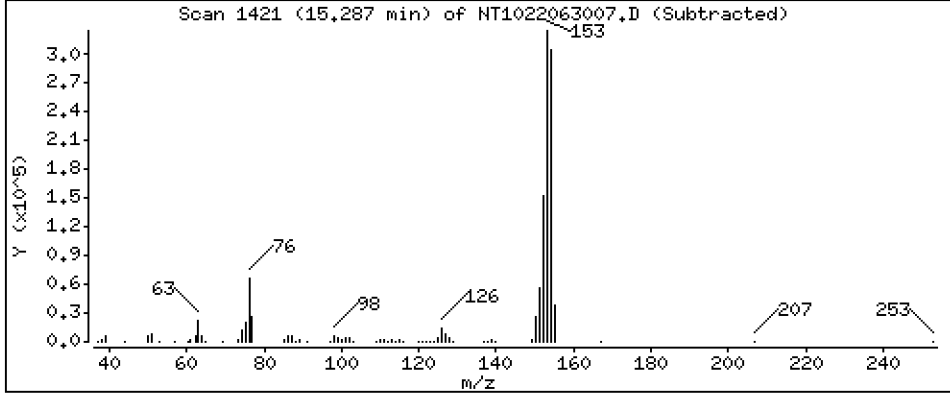
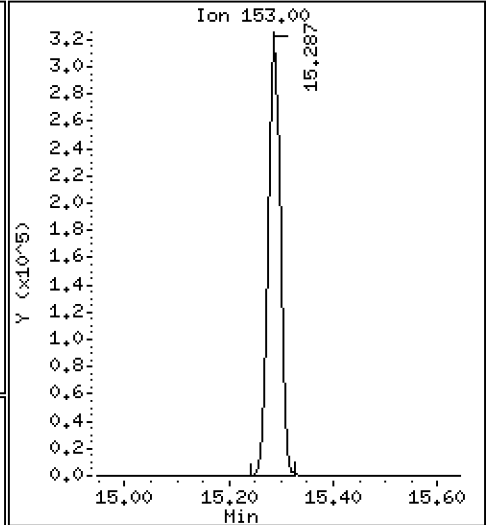
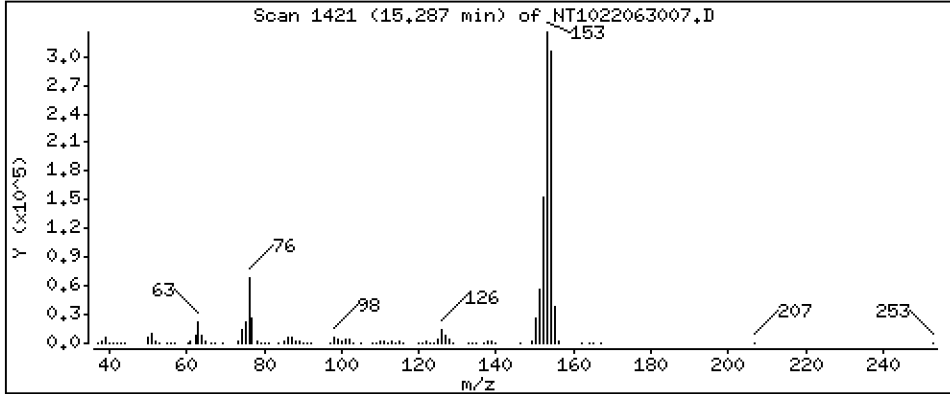
Operator: VTS

Column phase: ZB-5msi

Column diameter: 0,25

44 Acenaphthene

Concentration: 3,702 ug/mL



Date : 30-JUN-2022 17:25

Client ID:

Instrument: nt10.i

Sample Info: BKF0469-BSD1

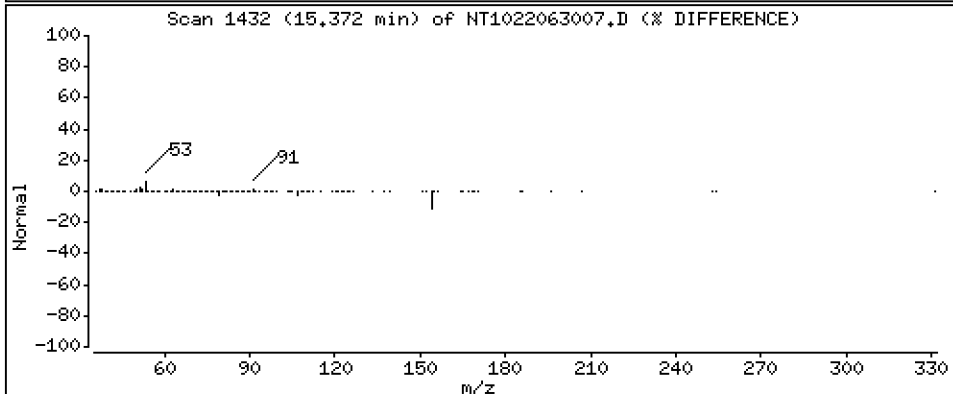
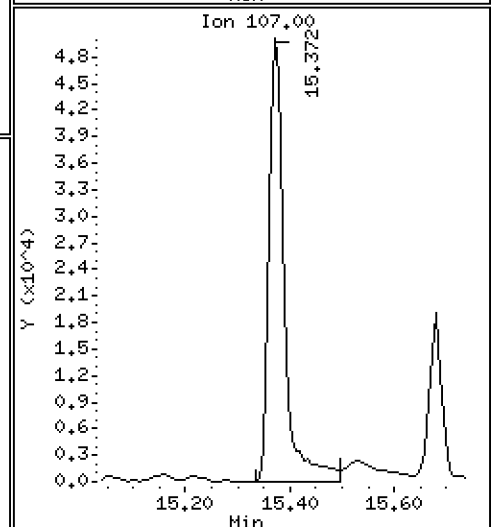
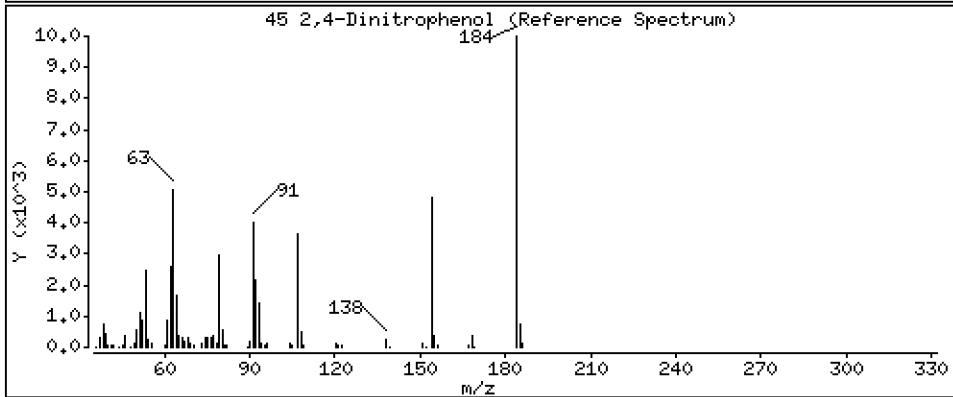
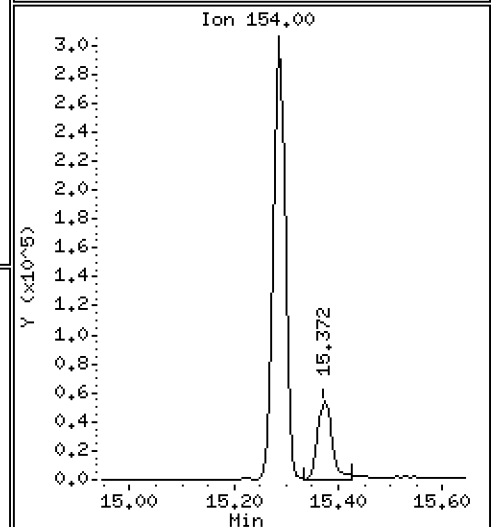
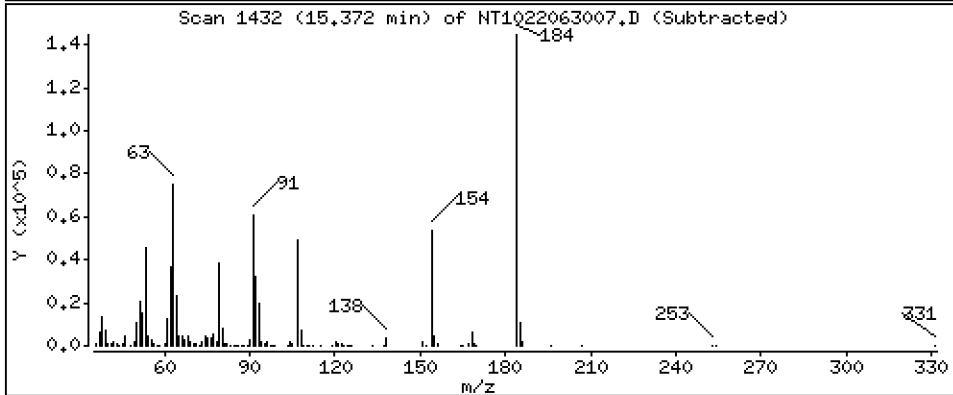
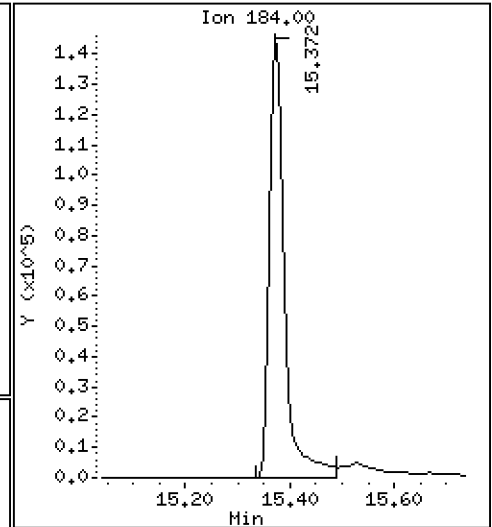
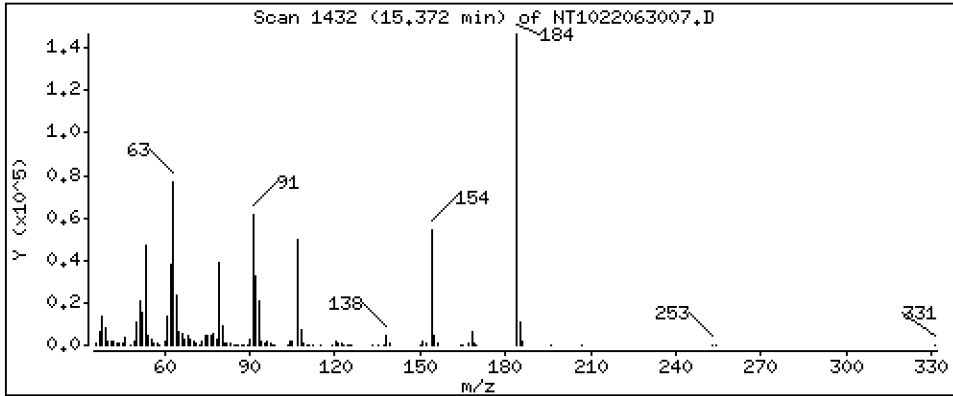
Operator: VTS

Column phase: ZB-5msi

Column diameter: 0,25

45 2,4-Dinitrophenol

Concentration: 16,87 ug/mL



Date : 30-JUN-2022 17:25

Client ID:

Instrument: nt10.i

Sample Info: BKF0469-BSD1

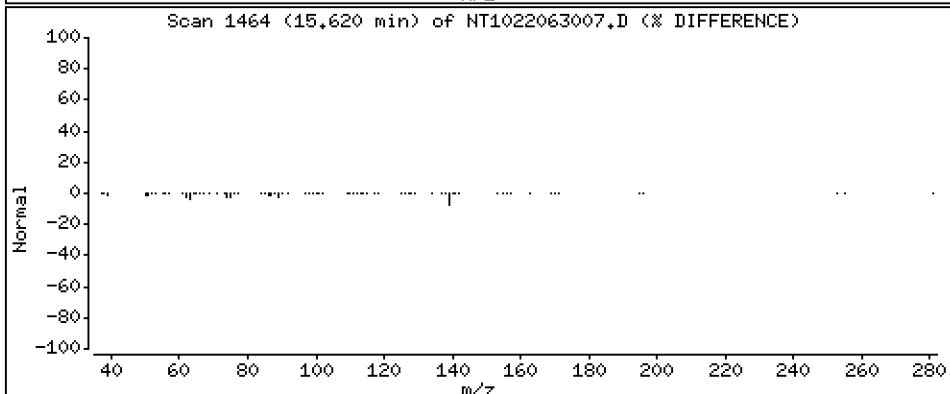
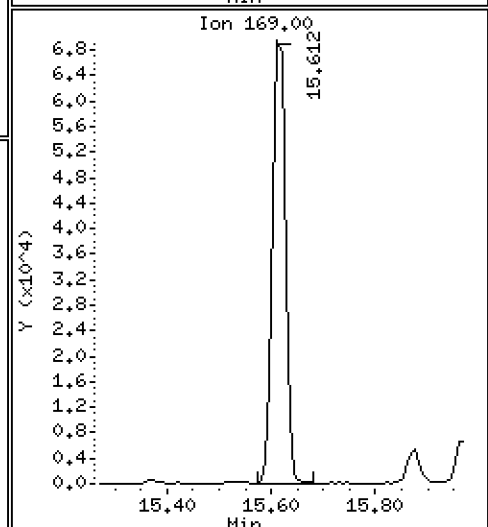
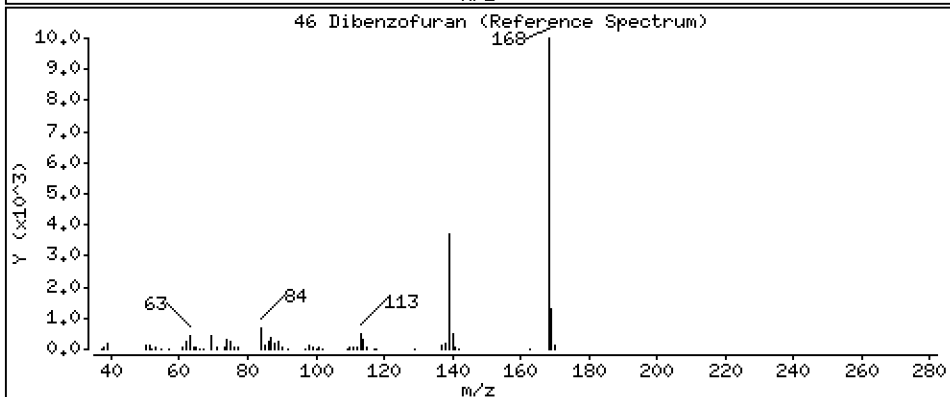
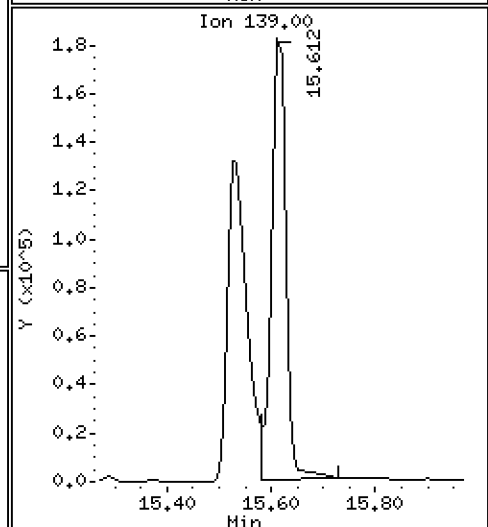
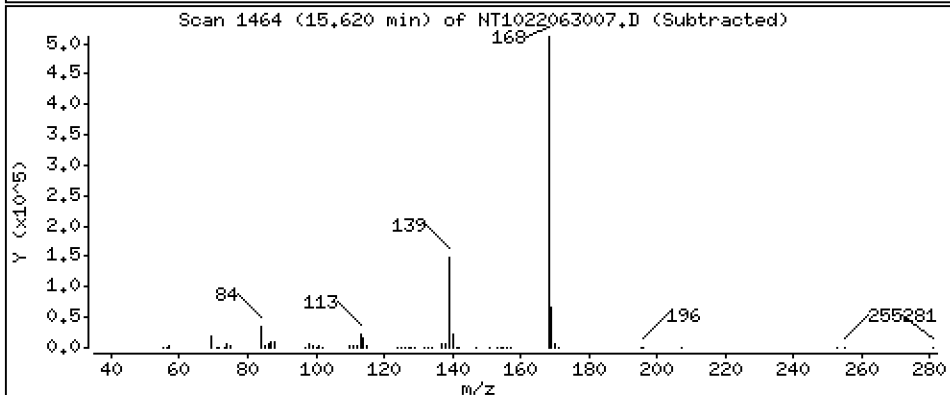
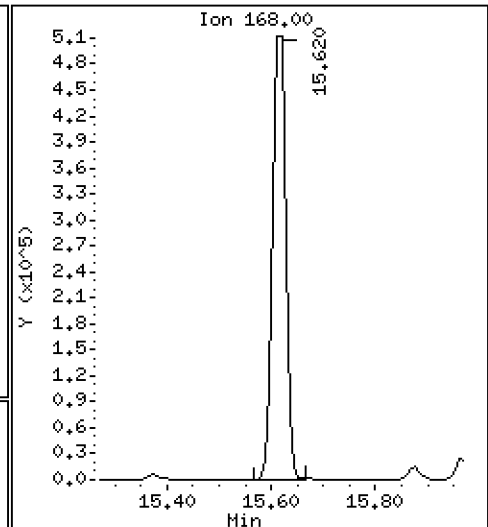
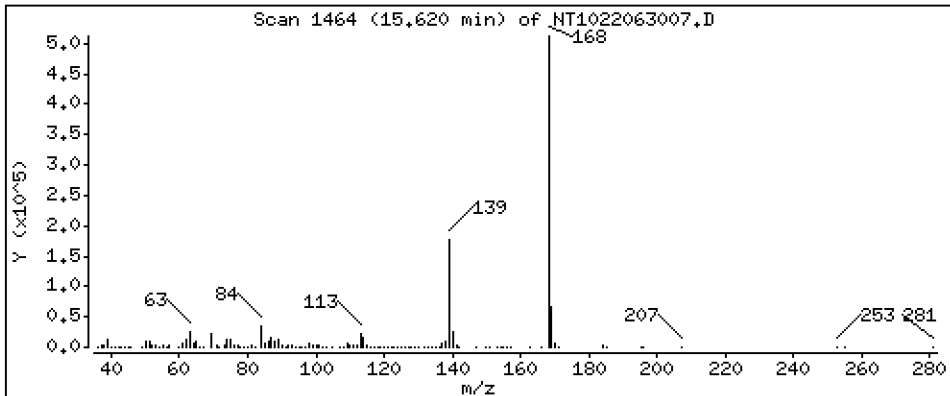
Operator: VTS

Column phase: ZB-5msi

Column diameter: 0,25

46 Dibenzofuran

Concentration: 4,079 ug/mL



Date : 30-JUN-2022 17:25

Client ID:

Instrument: nt10.i

Sample Info: BKF0469-BSD1

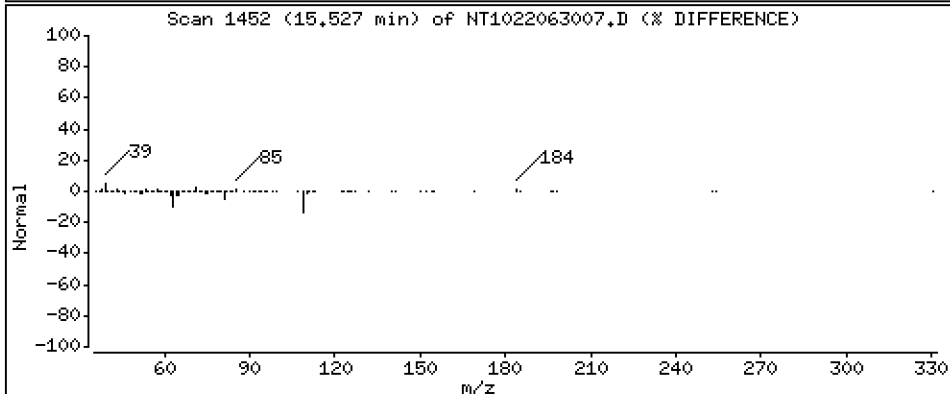
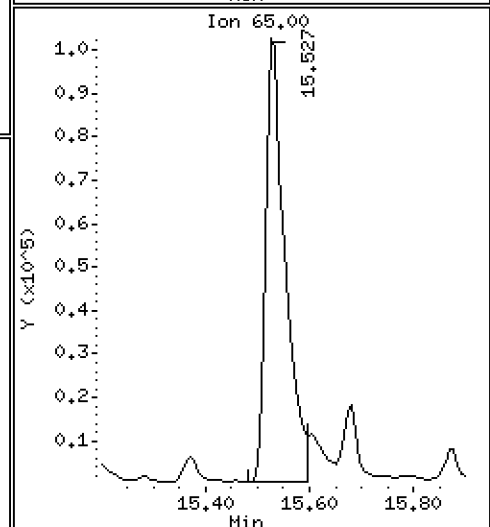
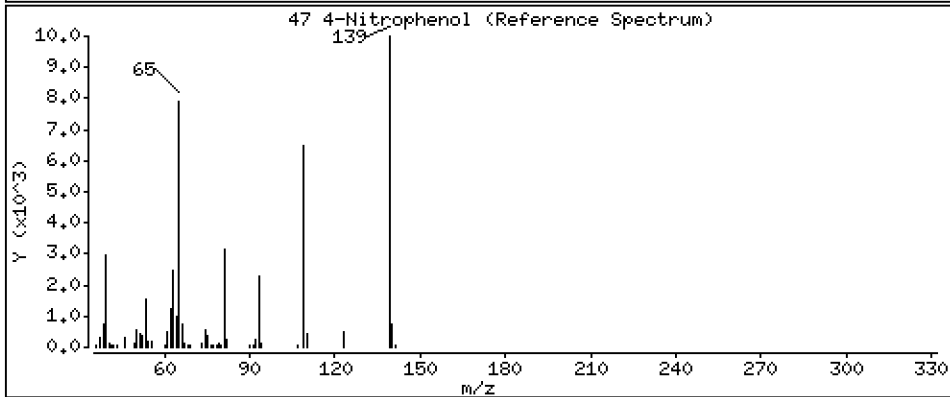
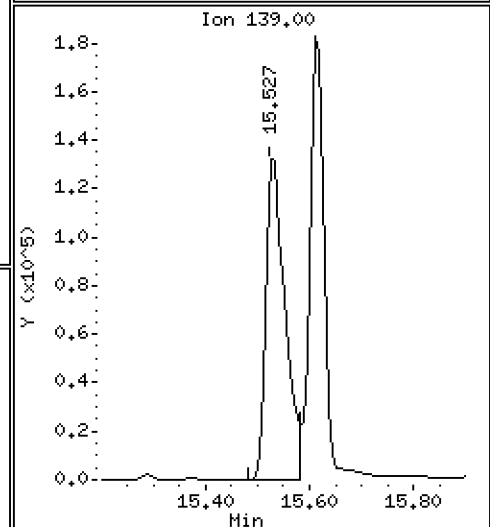
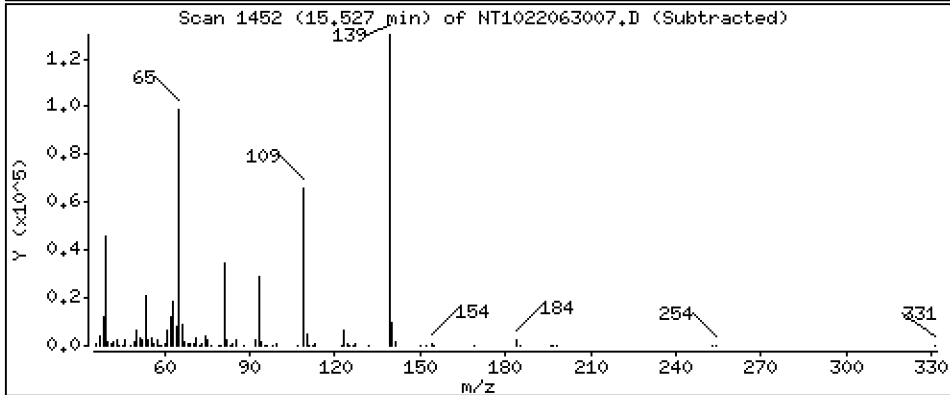
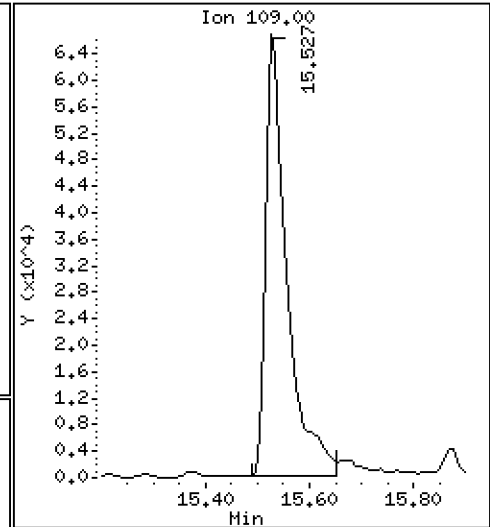
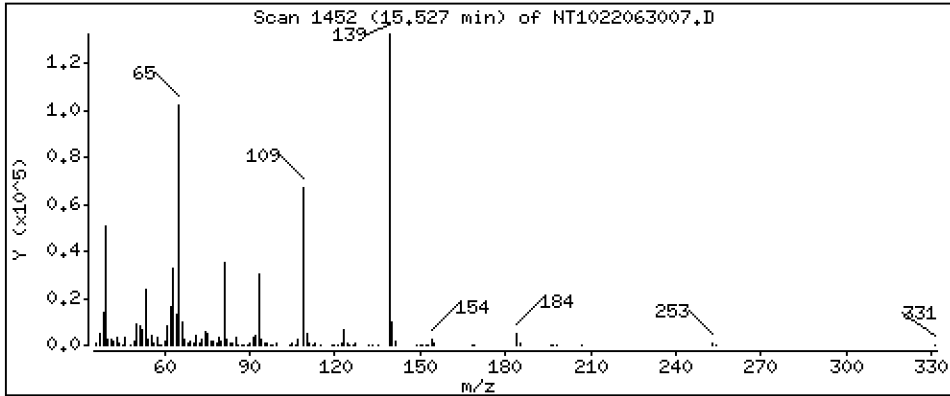
Operator: VTS

Column phase: ZB-5msi

Column diameter: 0,25

47 4-Nitrophenol

Concentration: 13,01 ug/mL



Date : 30-JUN-2022 17:25

Client ID:

Instrument: nt10.i

Sample Info: BKF0469-BSD1

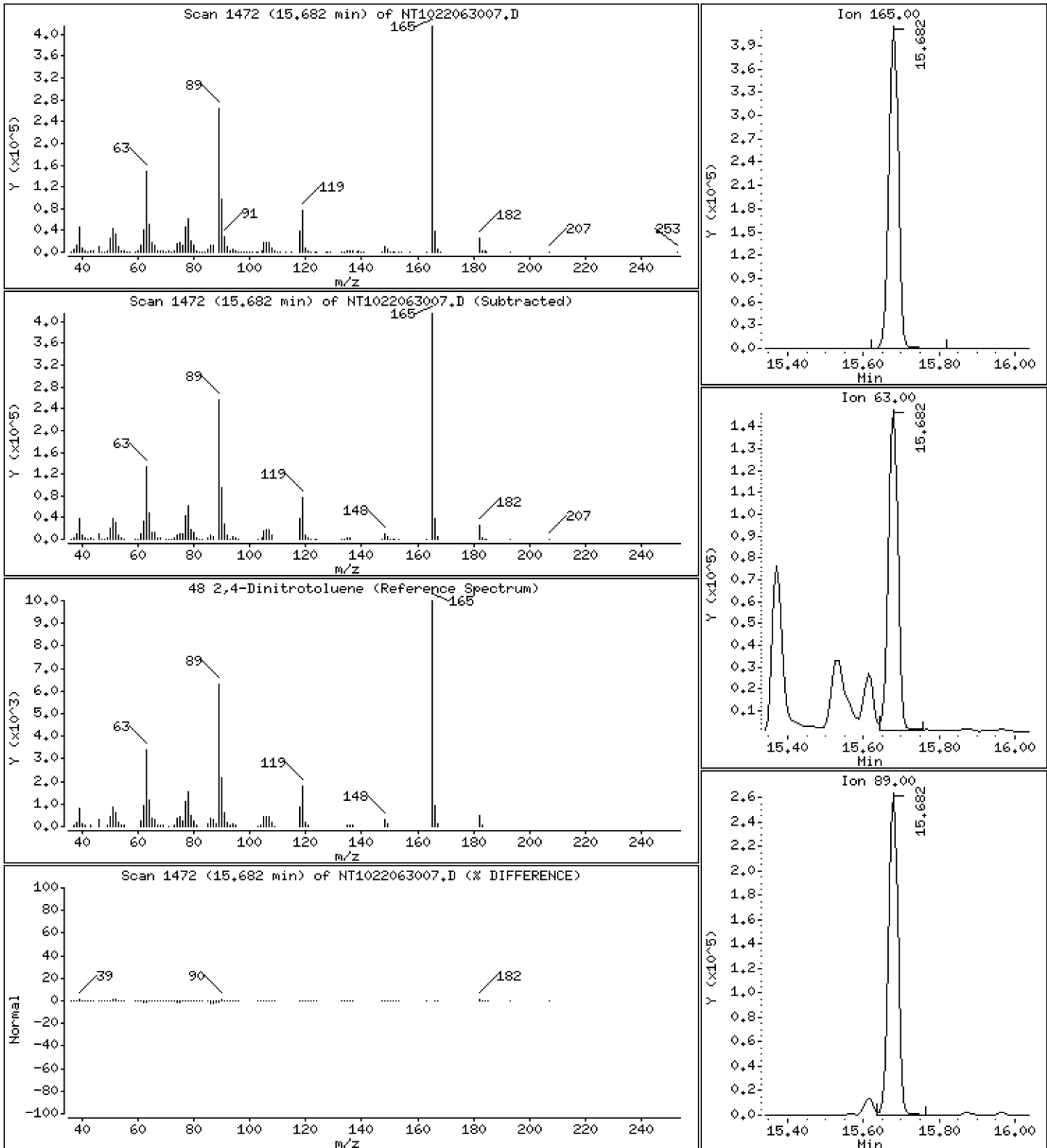
Operator: VTS

Column phase: ZB-5msi

Column diameter: 0,25

48 2,4-Dinitrotoluene

Concentration: 13,80 ug/mL



Date : 30-JUN-2022 17:25

Client ID:

Instrument: nt10.i

Sample Info: BKF0469-BSD1

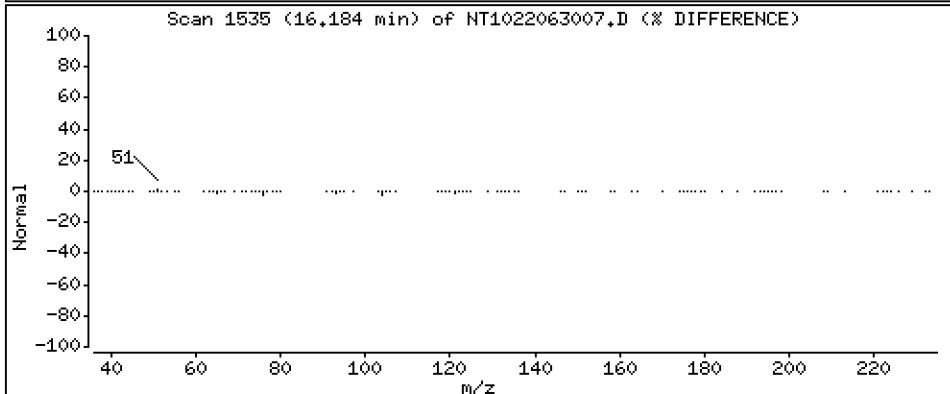
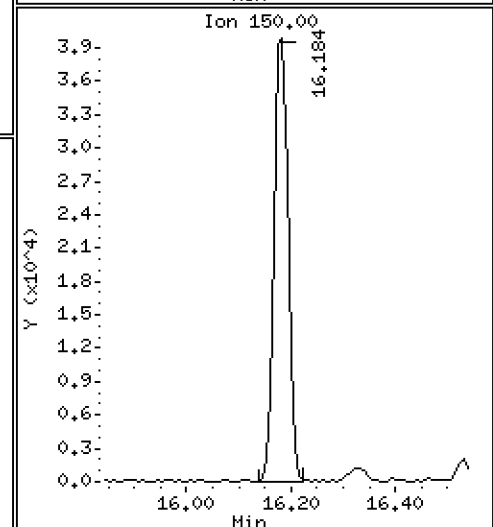
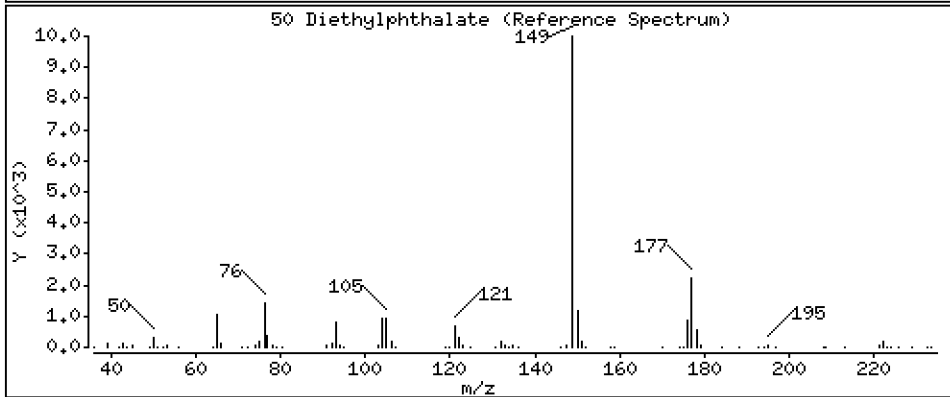
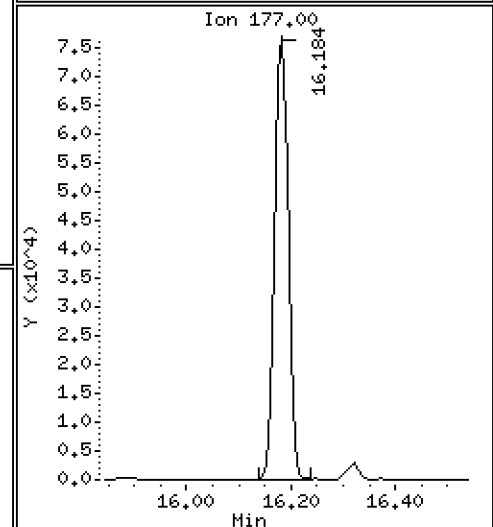
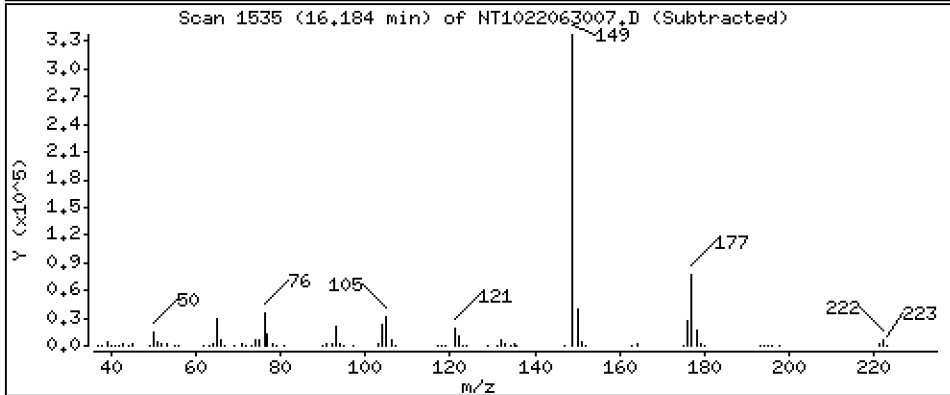
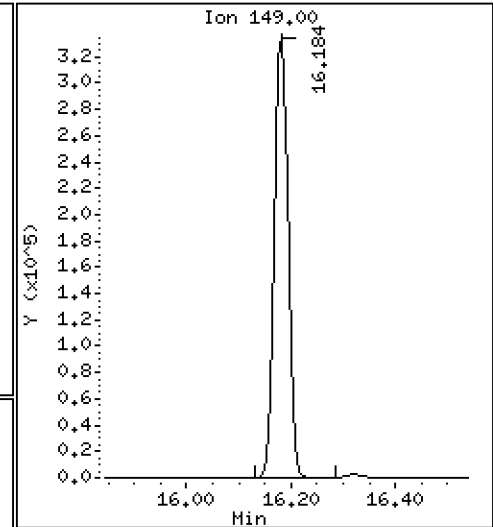
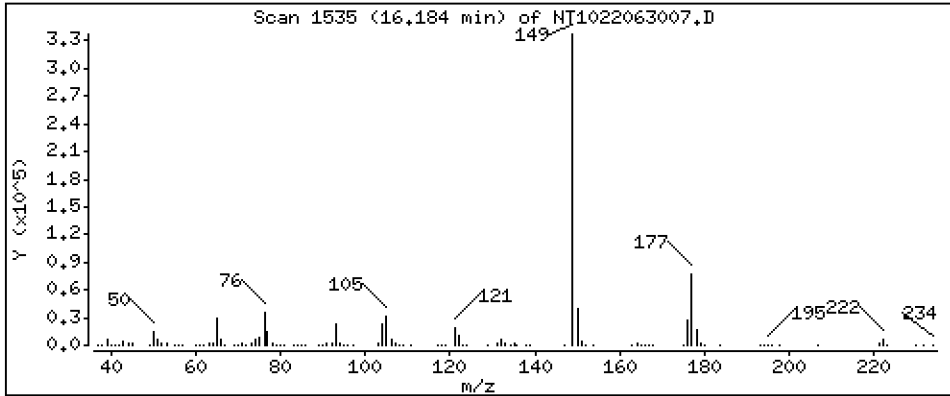
Operator: VTS

Column phase: ZB-5msi

Column diameter: 0,25

50 Diethylphthalate

Concentration: 4,306 ug/mL



Date : 30-JUN-2022 17:25

Client ID:

Instrument: nt10.i

Sample Info: BKF0469-BSD1

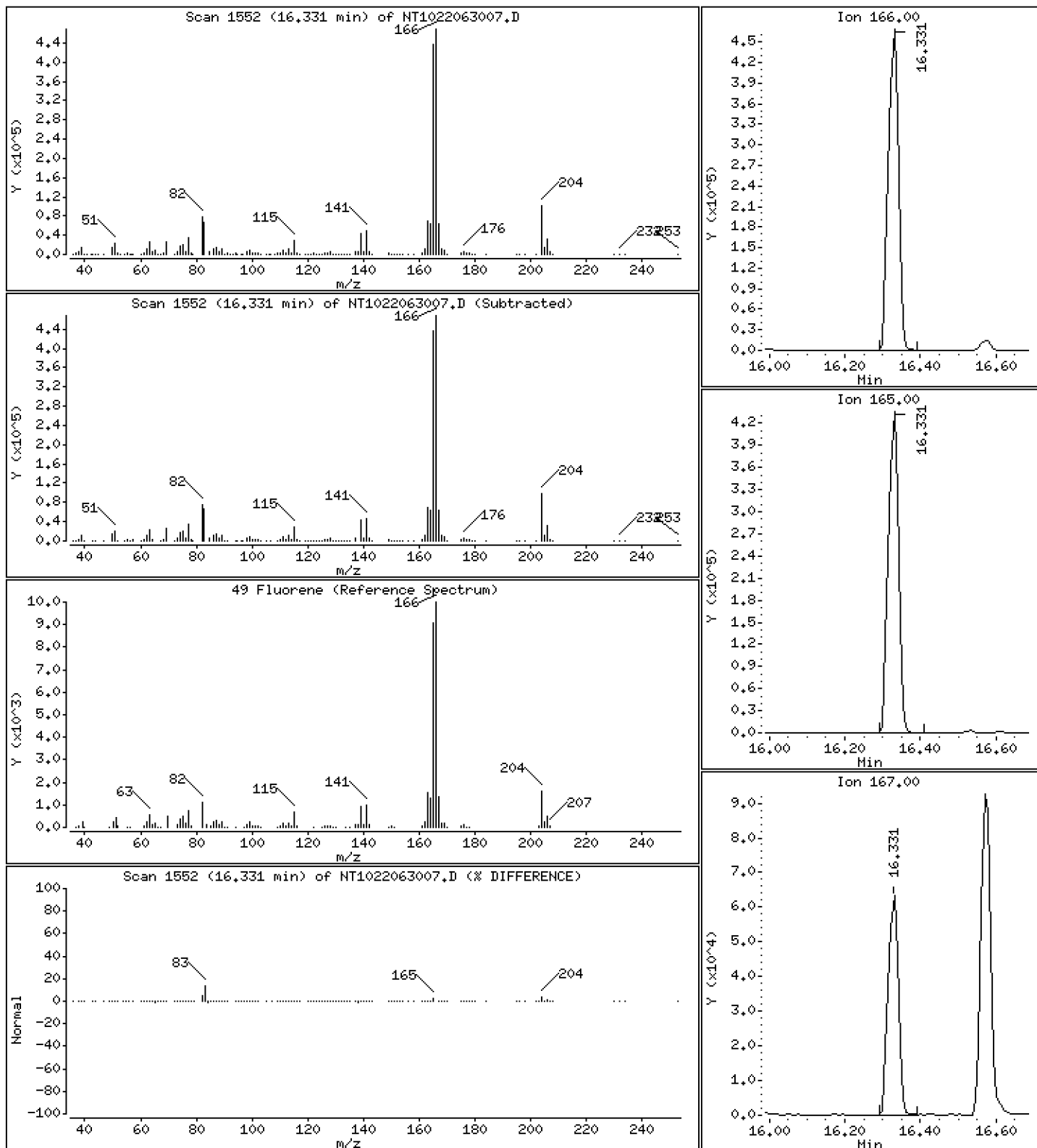
Operator: VTS

Column phase: ZB-5msi

Column diameter: 0,25

49 Fluorene

Concentration: 3,097 ug/mL



Date : 30-JUN-2022 17:25

Client ID:

Instrument: nt10.i

Sample Info: BKF0469-BSD1

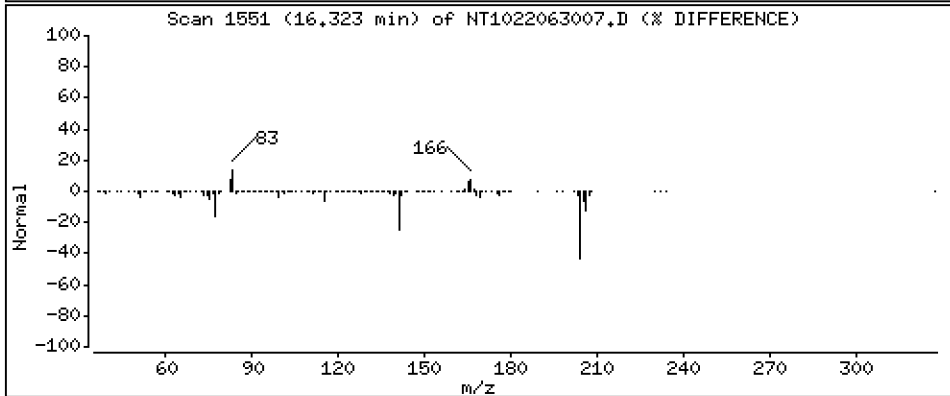
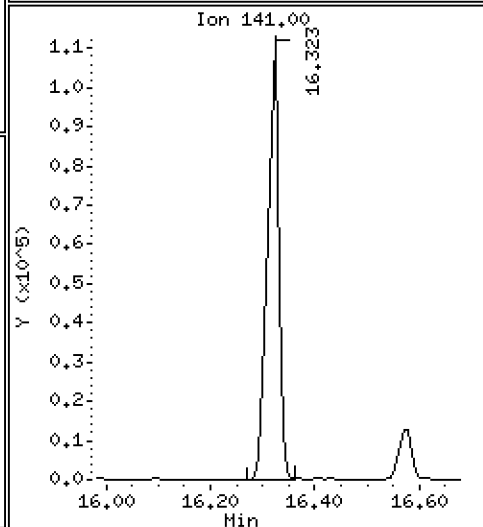
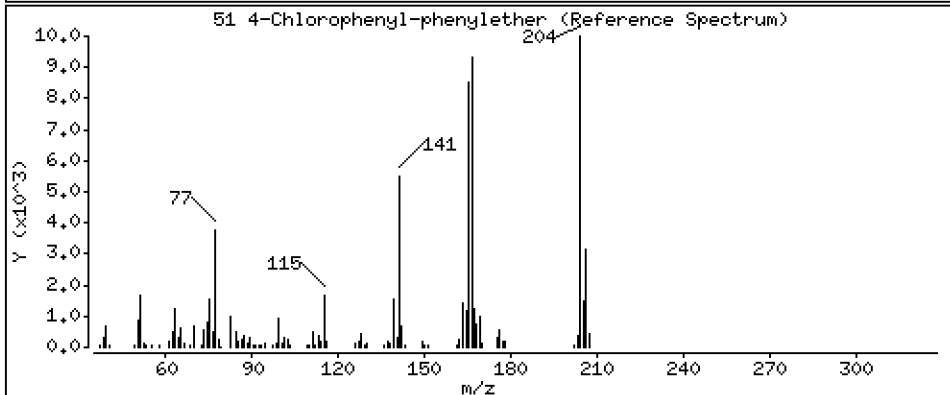
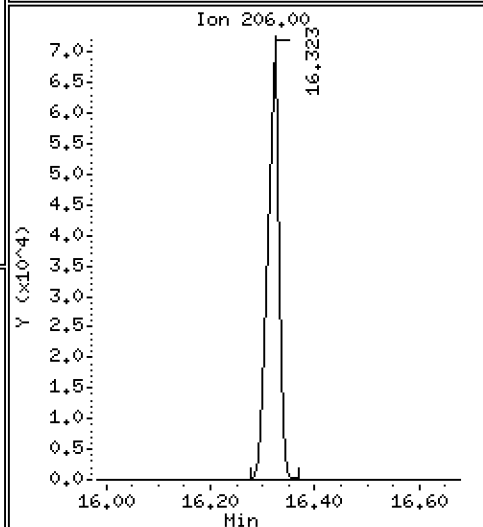
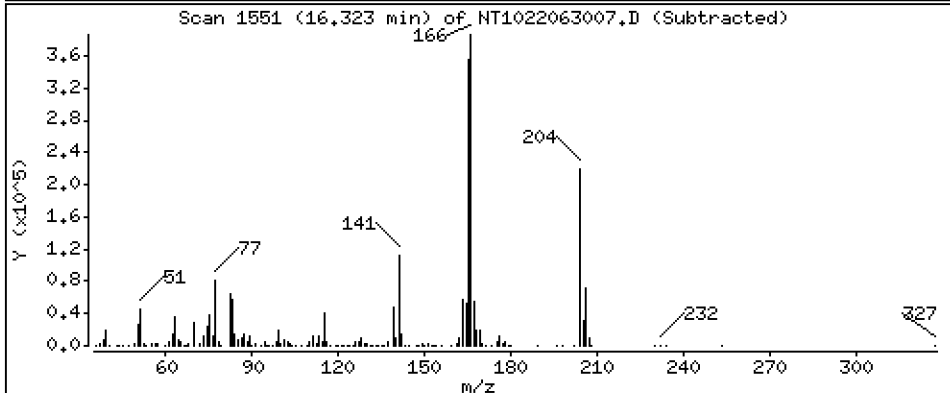
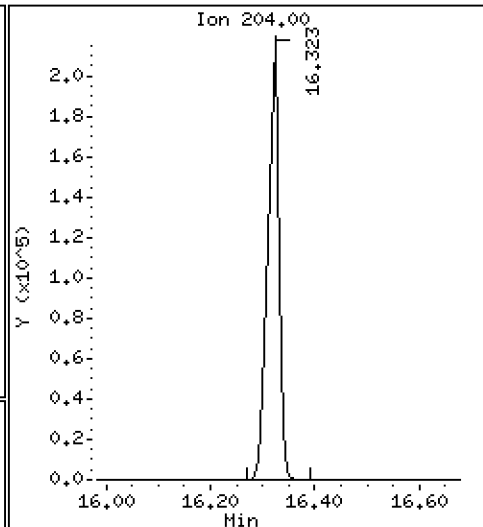
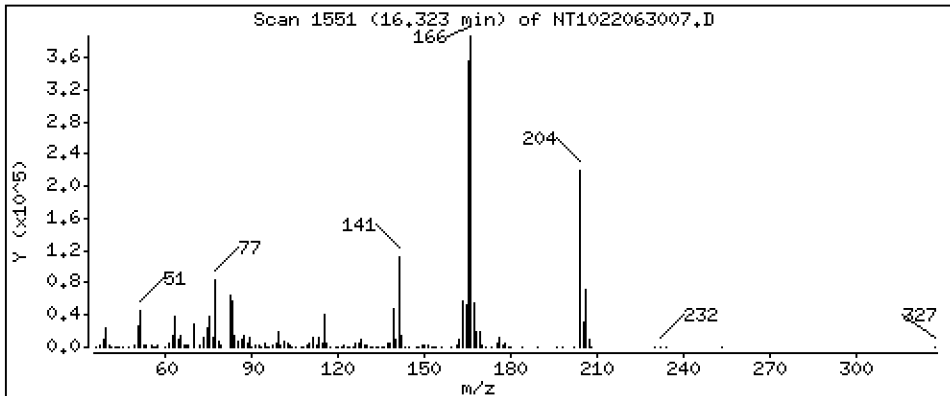
Operator: VTS

Column phase: ZB-5msi

Column diameter: 0,25

51 4-Chlorophenyl-phenylether

Concentration: 1,954 ug/mL



Date : 30-JUN-2022 17:25

Client ID:

Instrument: nt10.i

Sample Info: BKF0469-BSD1

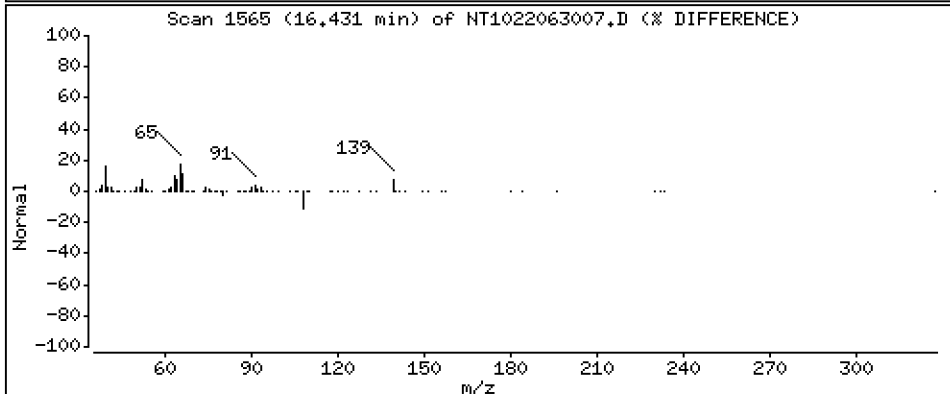
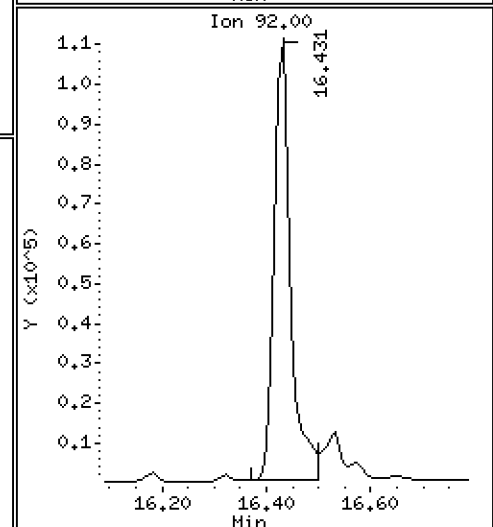
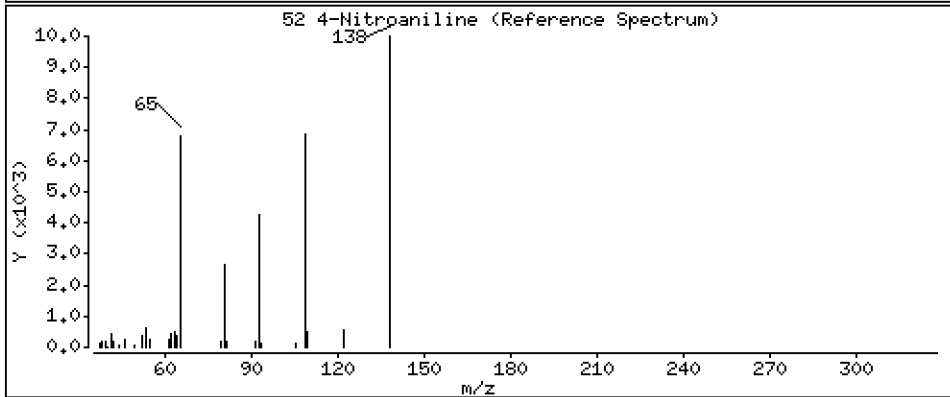
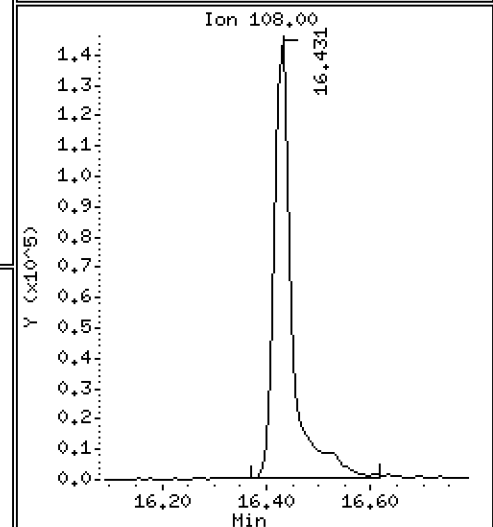
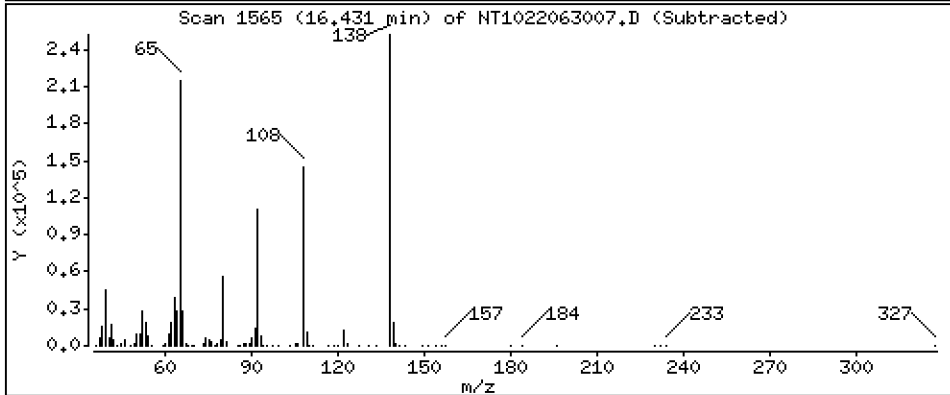
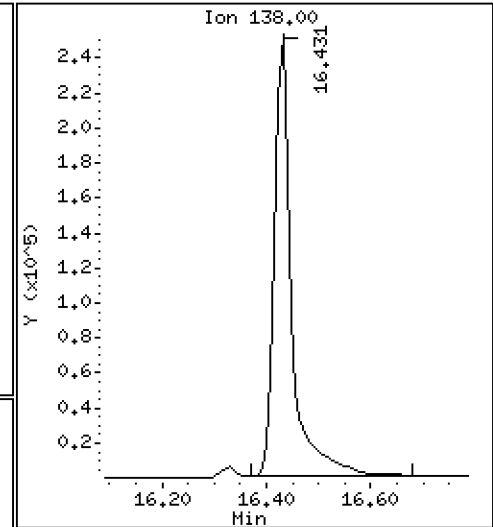
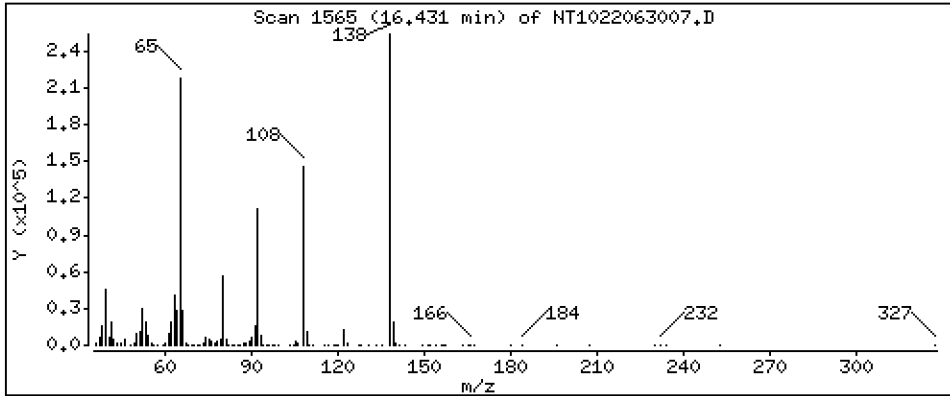
Operator: VTS

Column phase: ZB-5msi

Column diameter: 0,25

52 4-Nitroaniline

Concentration: 13,03 ug/mL



Date : 30-JUN-2022 17:25

Client ID:

Instrument: nt10.i

Sample Info: BKF0469-BSD1

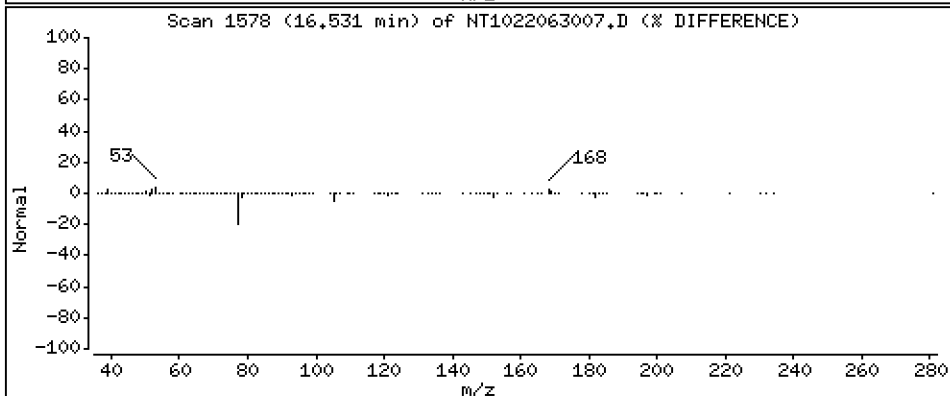
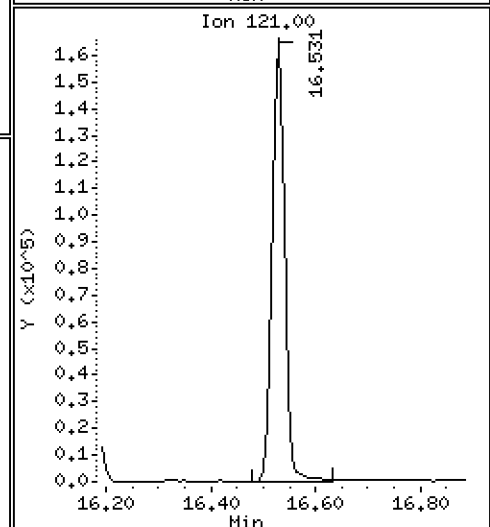
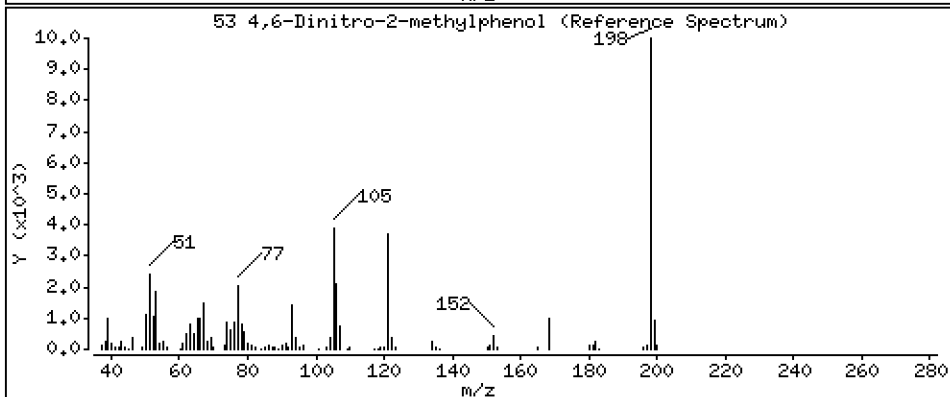
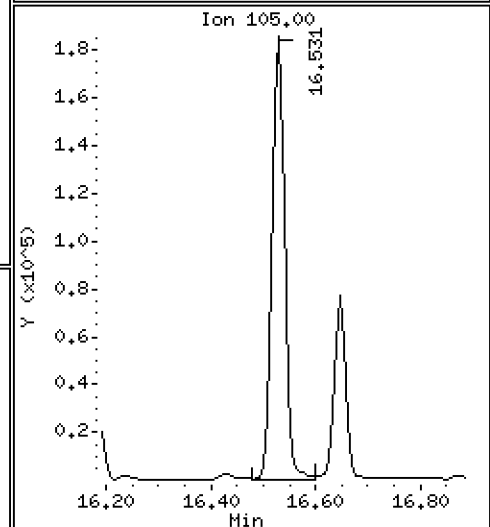
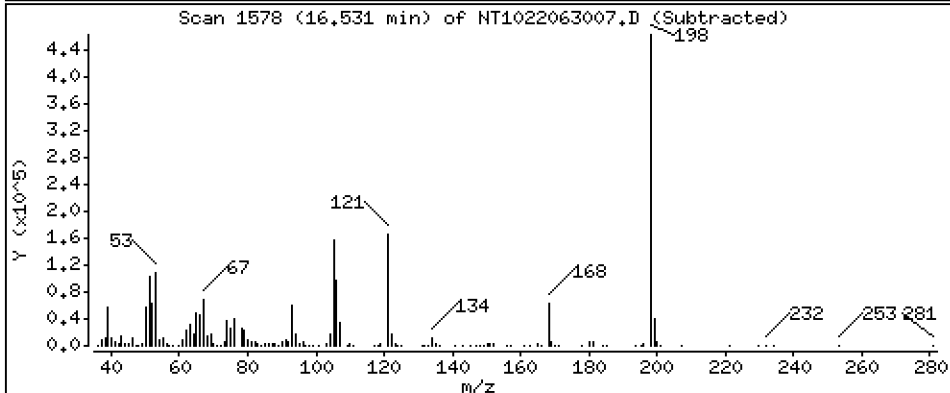
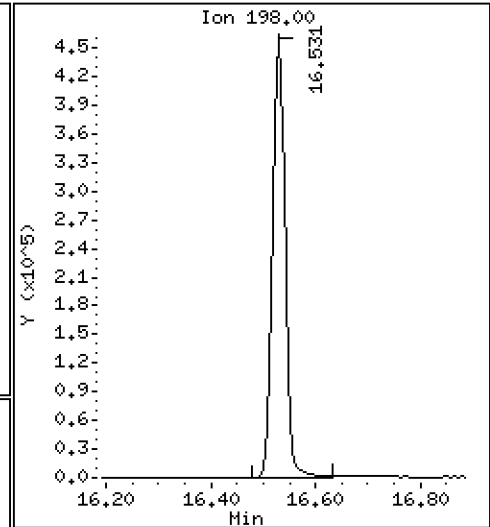
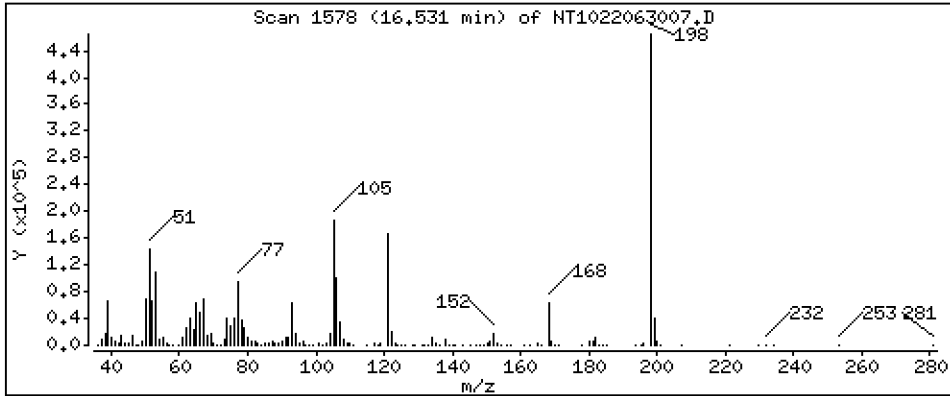
Operator: VTS

Column phase: ZB-5msi

Column diameter: 0,25

53 4,6-Dinitro-2-methylphenol

Concentration: 24,31 ug/mL



Date : 30-JUN-2022 17:25

Client ID:

Instrument: nt10.i

Sample Info: BKF0469-BSD1

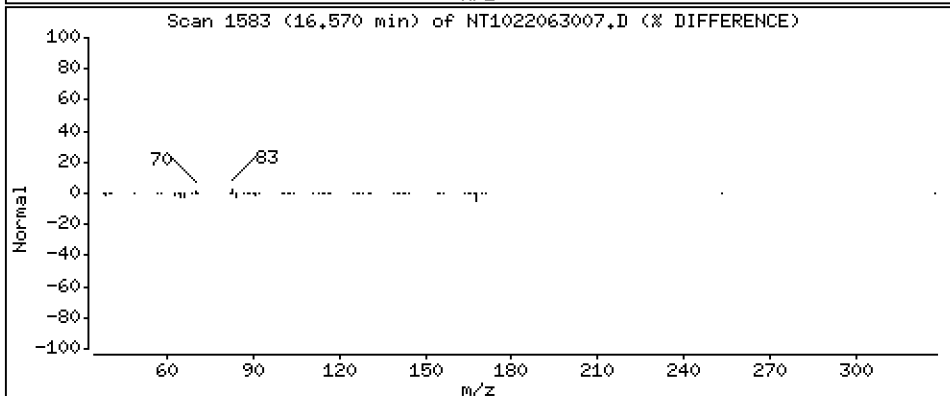
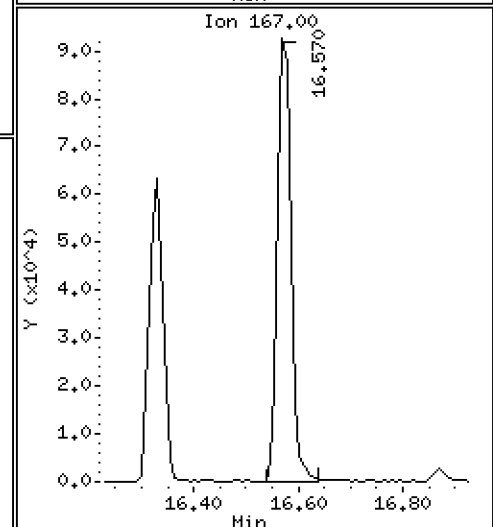
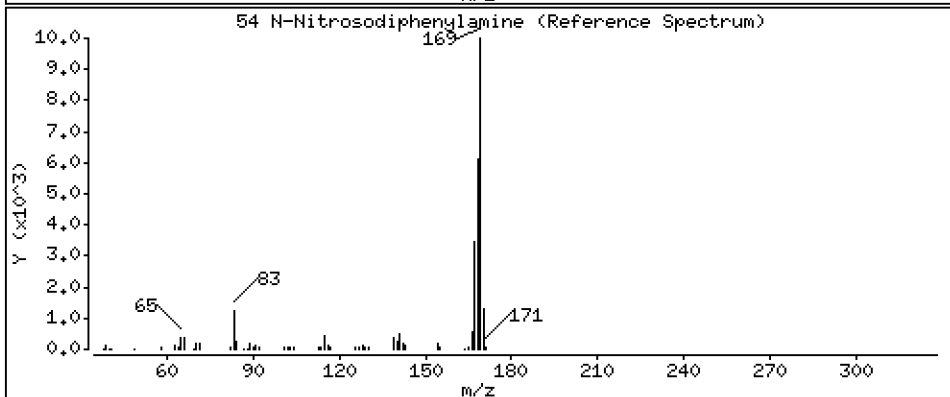
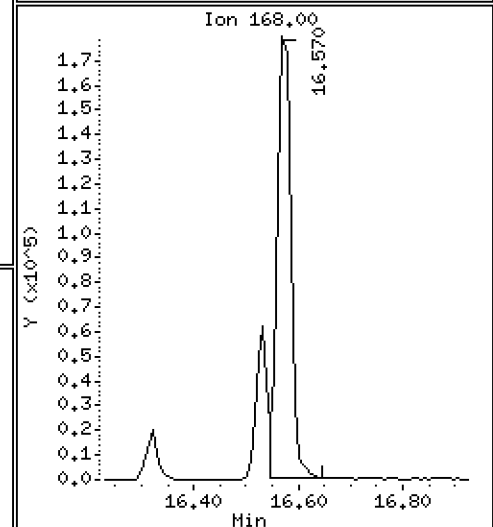
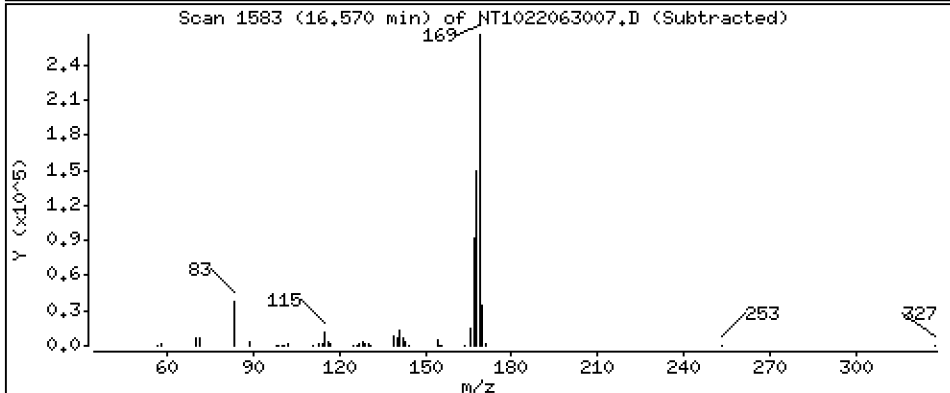
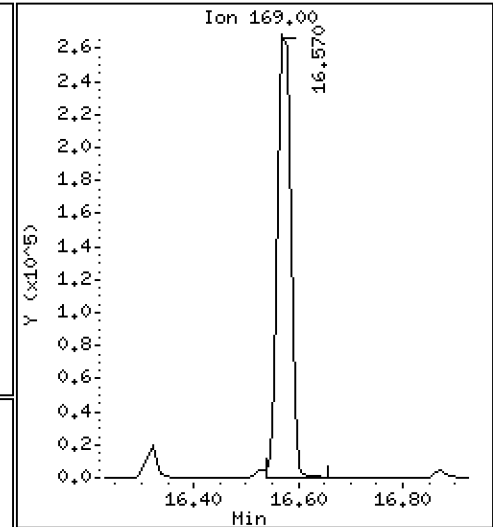
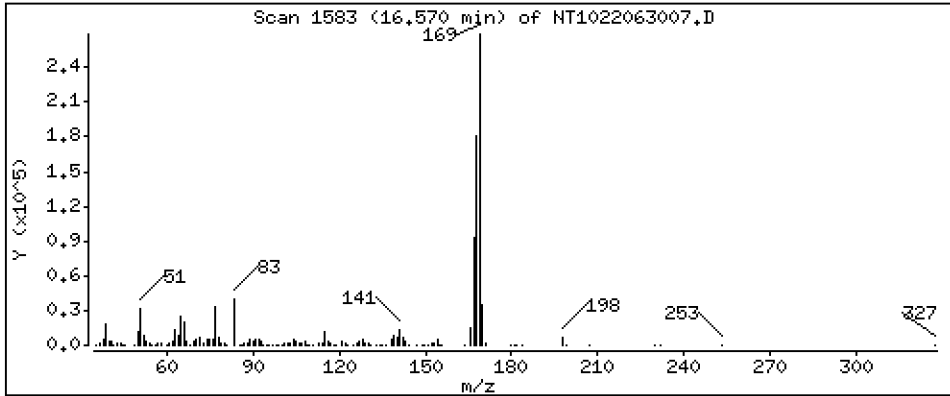
Operator: VTS

Column phase: ZB-5msi

Column diameter: 0,25

54 N-Nitrosodiphenylamine

Concentration: 3,729 ug/mL



Date : 30-JUN-2022 17:25

Client ID:

Instrument: nt10.i

Sample Info: BKF0469-BSD1

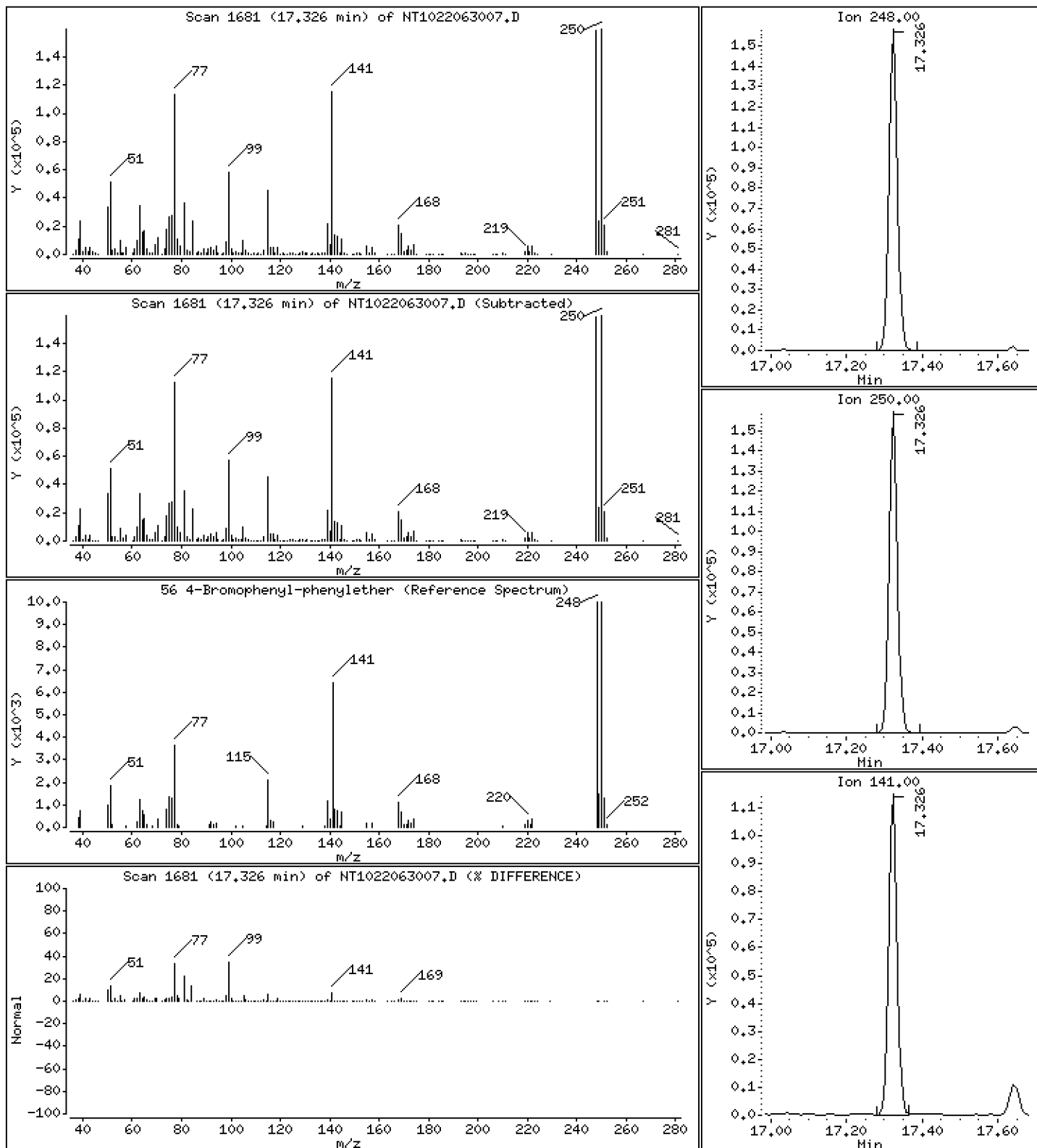
Operator: VTS

Column phase: ZB-5msi

Column diameter: 0,25

56 4-Bromophenyl-phenylether

Concentration: 4,409 ug/mL



Date : 30-JUN-2022 17:25

Client ID:

Instrument: nt10.i

Sample Info: BKF0469-BSD1

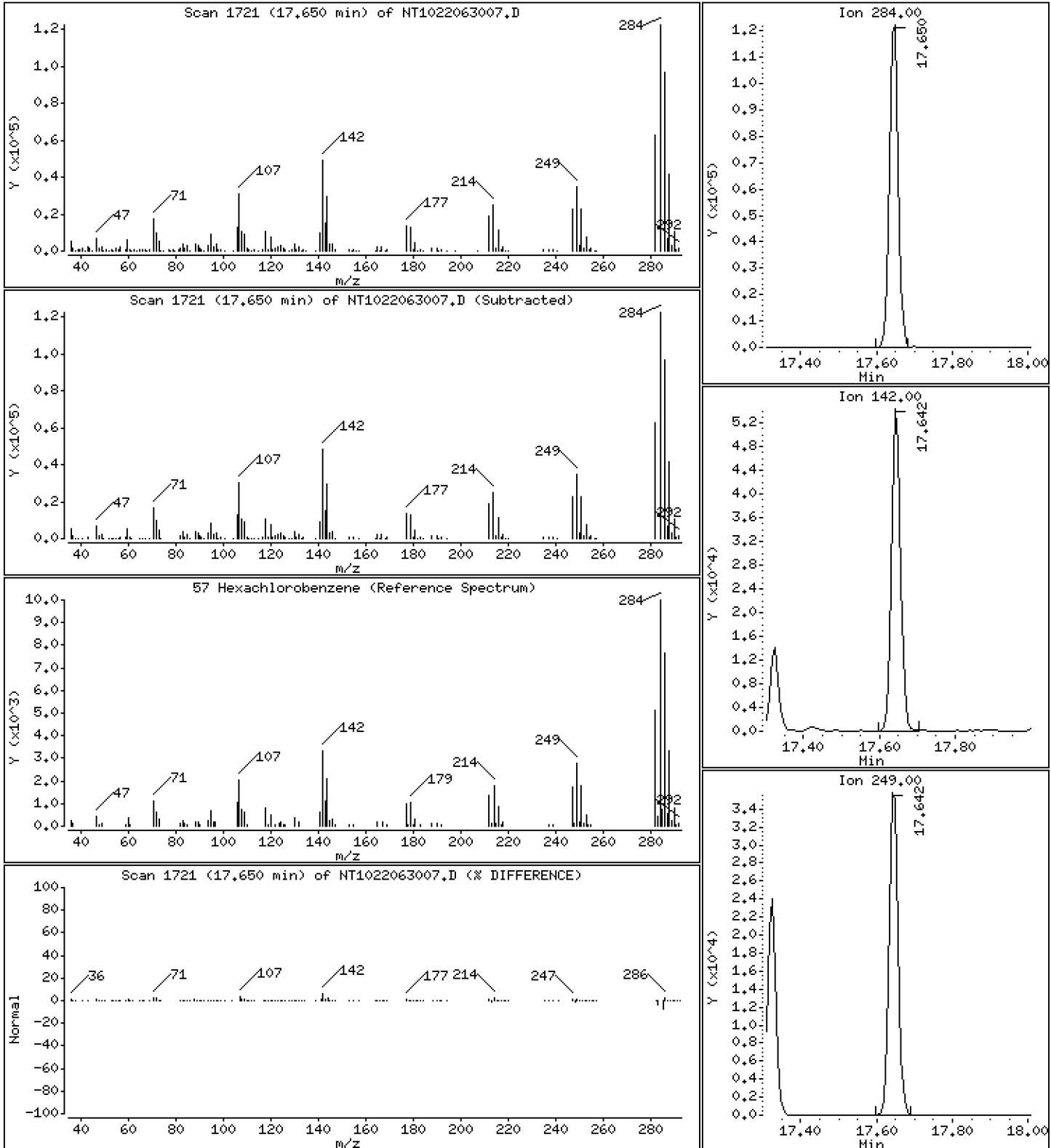
Operator: VTS

Column phase: ZB-5msi

Column diameter: 0,25

57 Hexachlorobenzene

Concentration: 3,925 ug/mL



Date : 30-JUN-2022 17:25

Client ID:

Instrument: nt10.i

Sample Info: BKF0469-BSD1

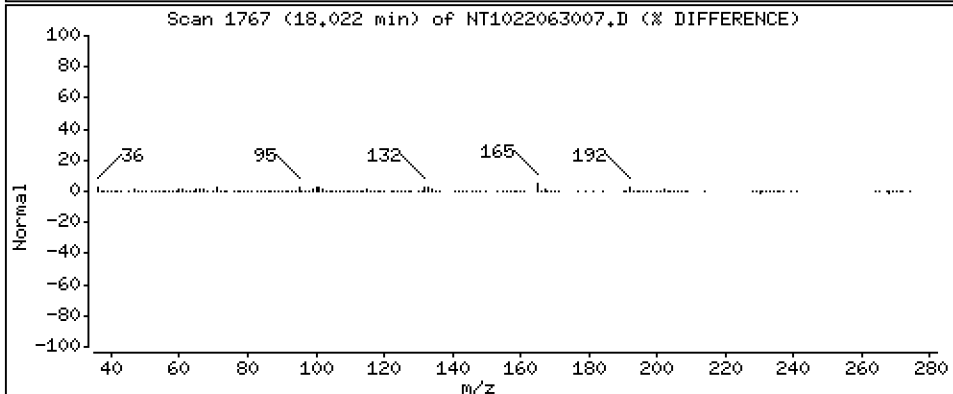
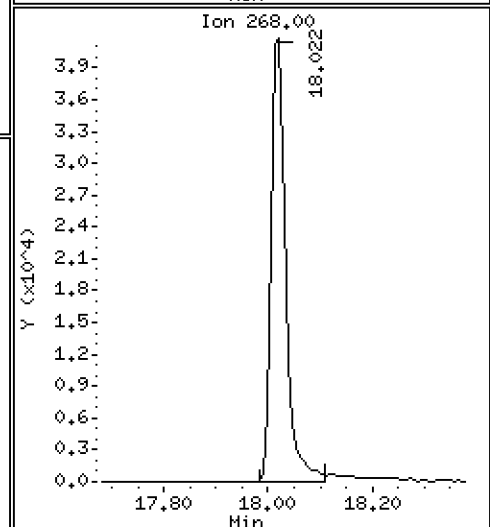
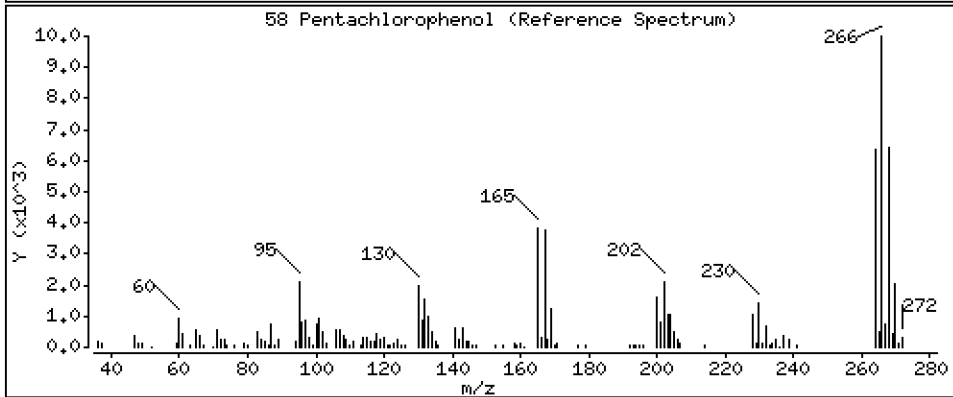
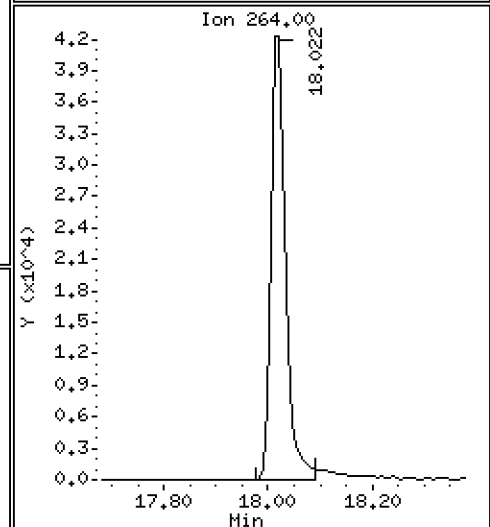
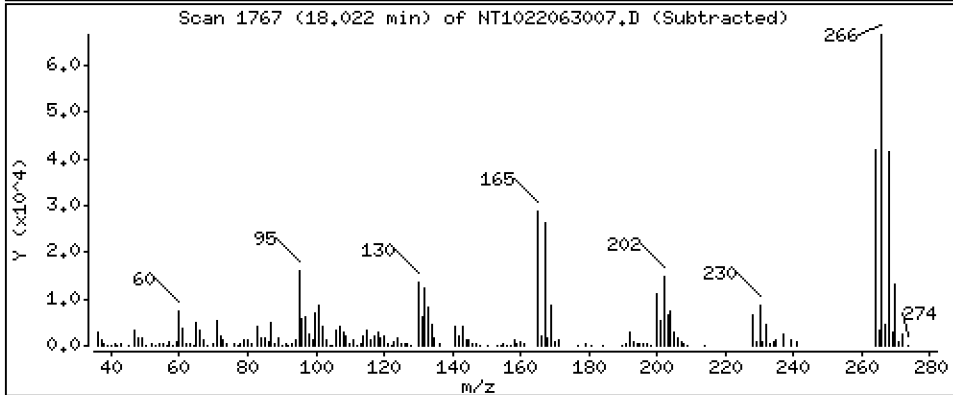
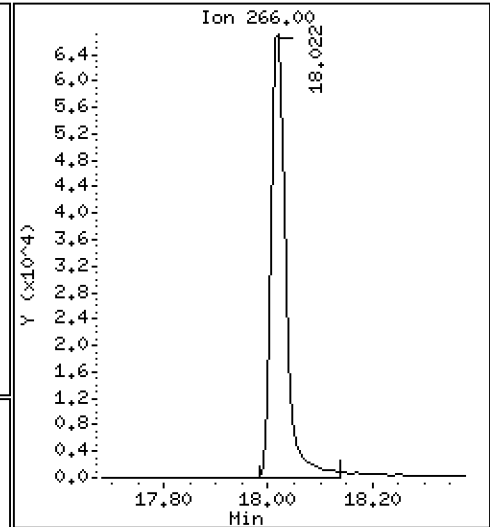
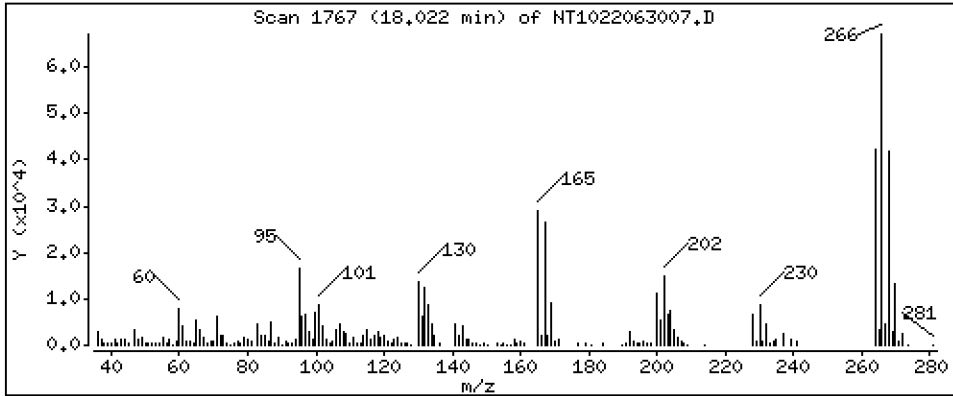
Operator: VTS

Column phase: ZB-5msi

Column diameter: 0,25

58 Pentachlorophenol

Concentration: 10,64 ug/mL



Date : 30-JUN-2022 17:25

Client ID:

Instrument: nt10.i

Sample Info: BKF0469-BSD1

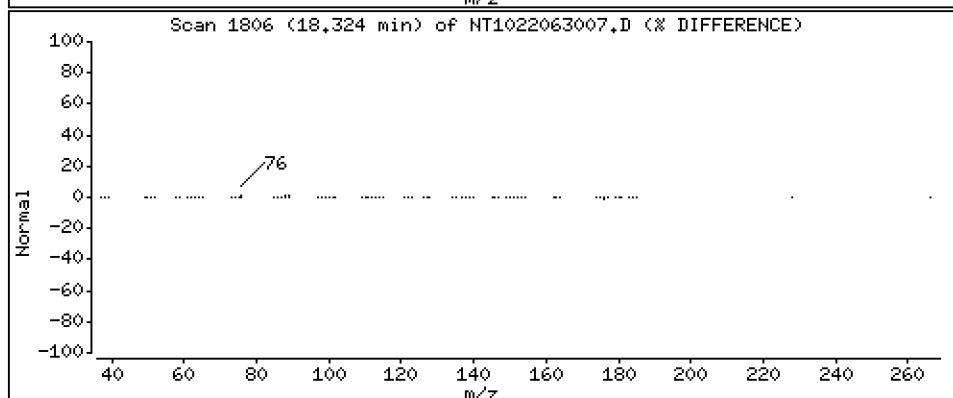
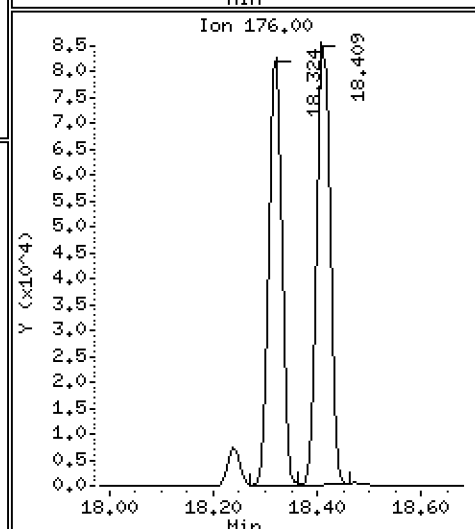
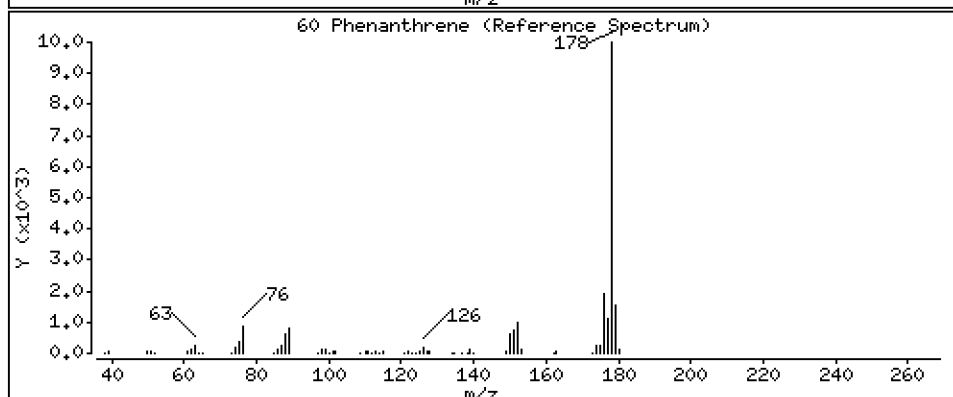
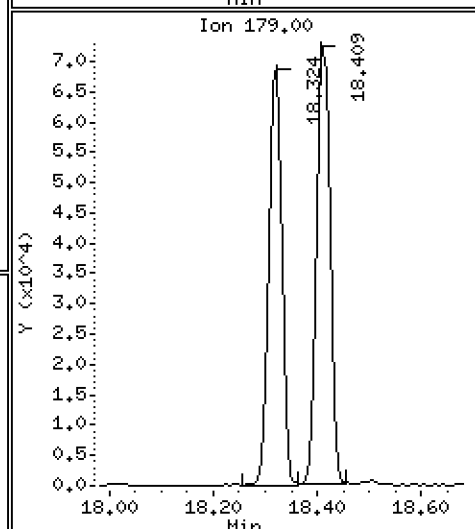
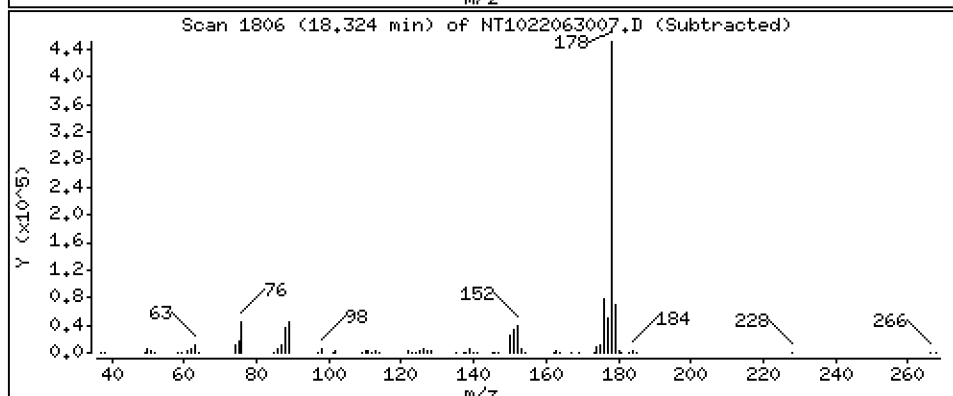
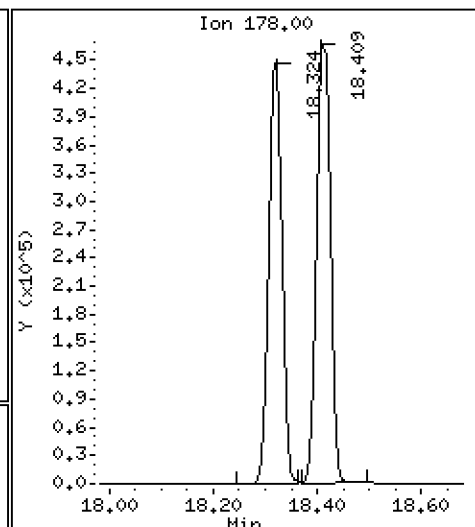
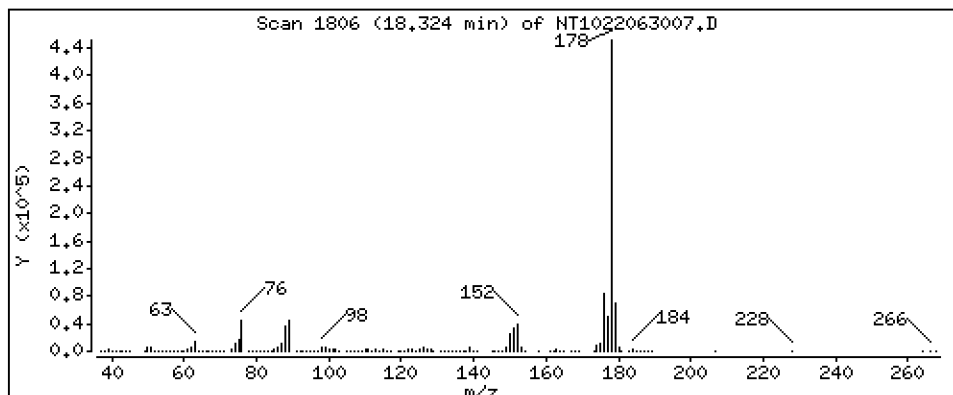
Operator: VTS

Column phase: ZB-5msi

Column diameter: 0,25

60 Phenanthrene

Concentration: 3,720 ug/mL



Date : 30-JUN-2022 17:25

Client ID:

Instrument: nt10.i

Sample Info: BKF0469-BSD1

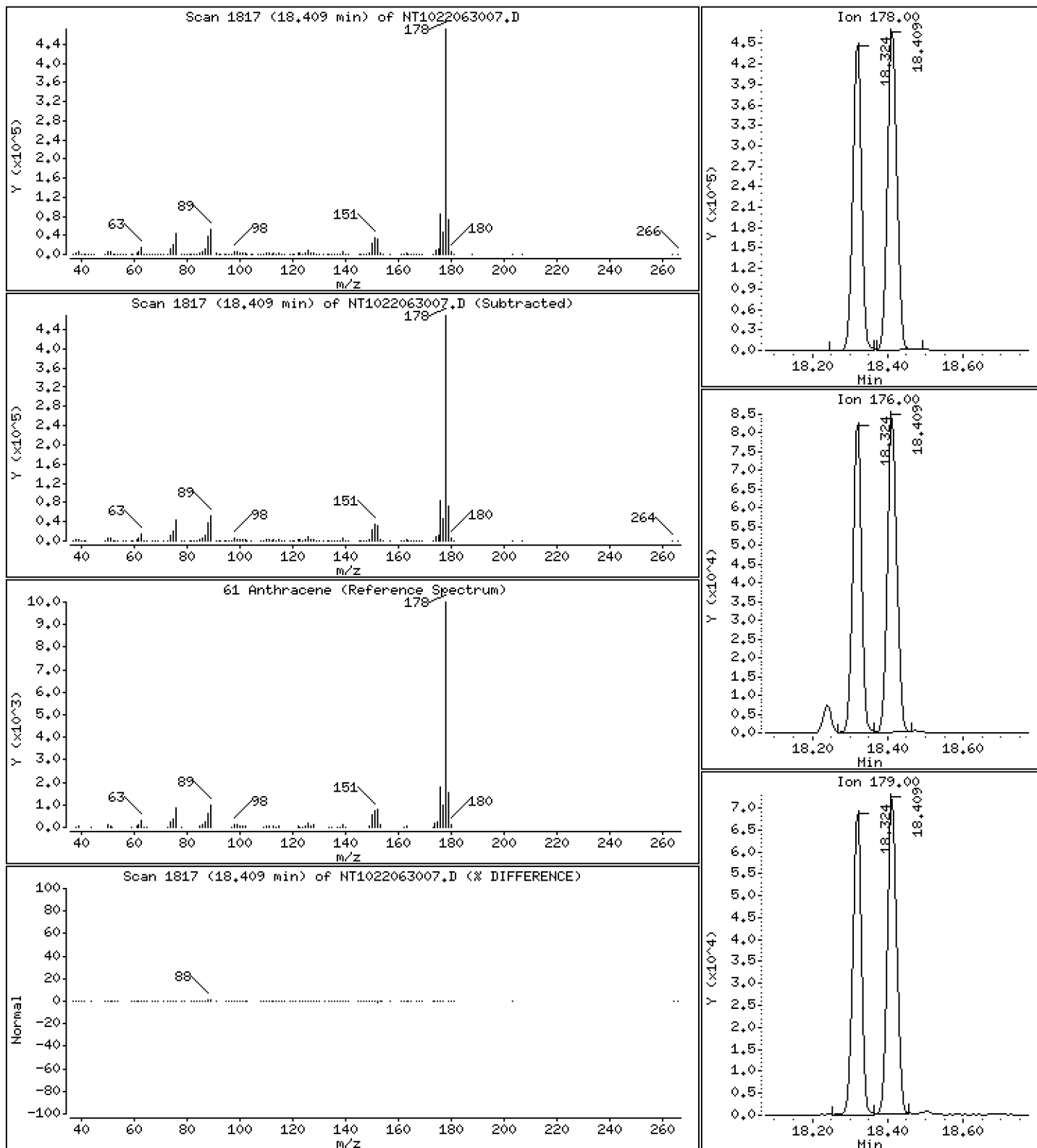
Operator: VTS

Column phase: ZB-5msi

Column diameter: 0,25

61 Anthracene

Concentration: 3,769 ug/mL



Date : 30-JUN-2022 17:25

Client ID:

Instrument: nt10.i

Sample Info: BKF0469-BSD1

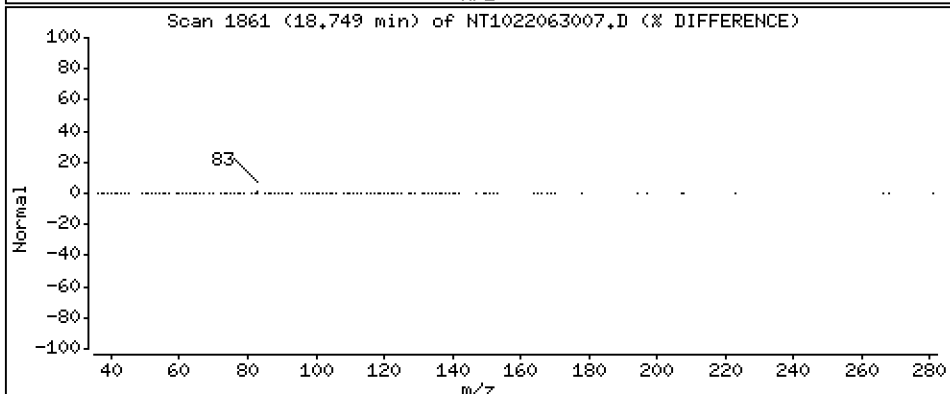
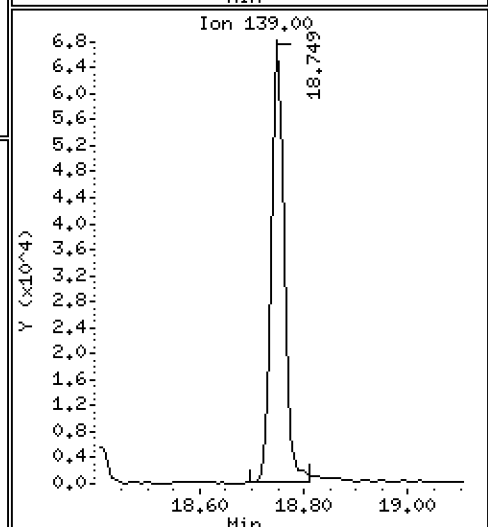
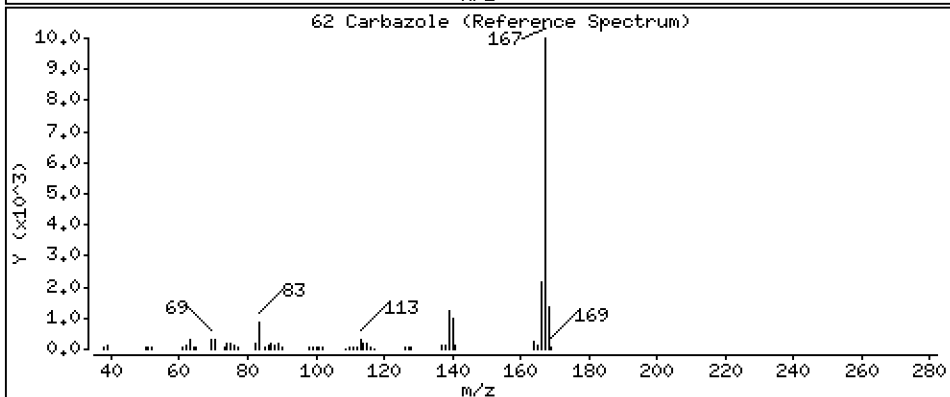
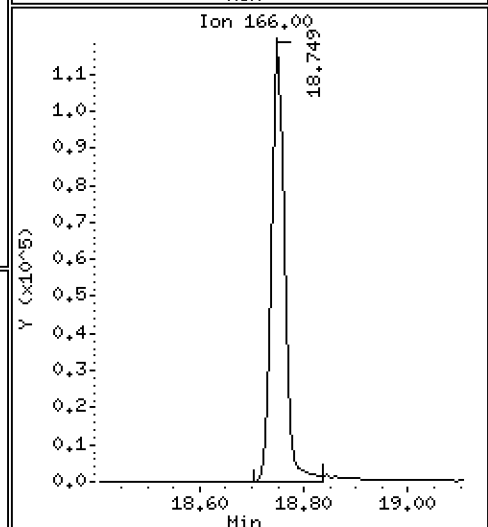
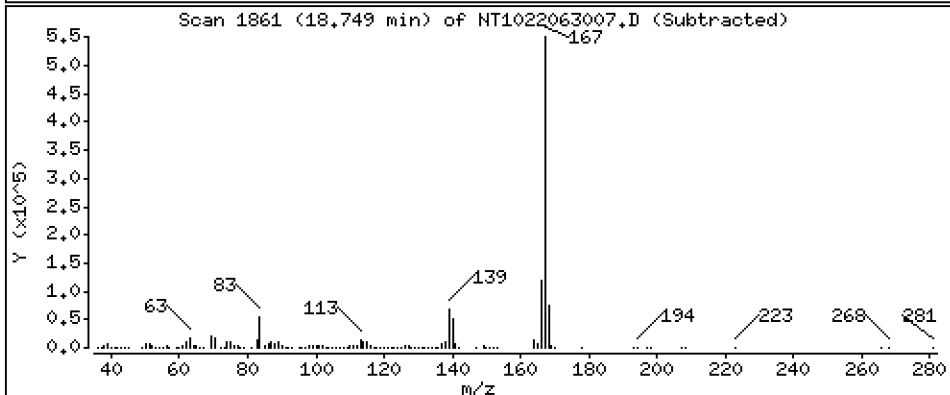
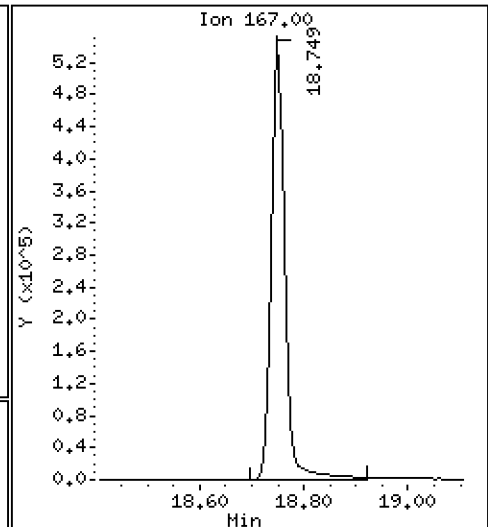
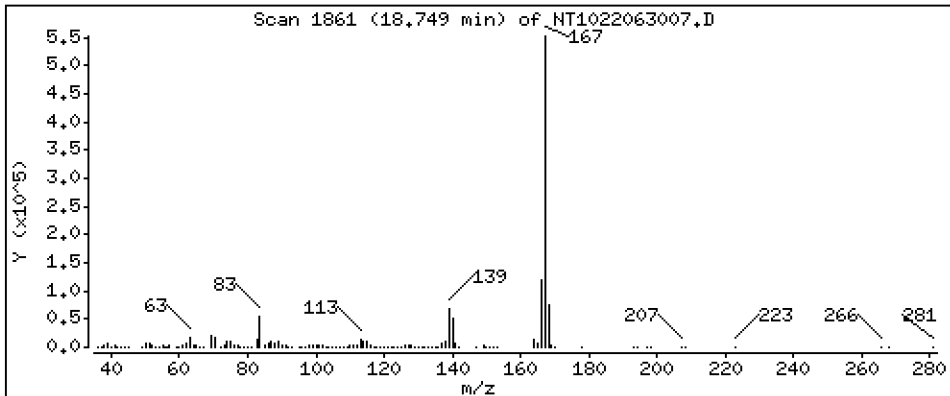
Operator: VTS

Column phase: ZB-5msi

Column diameter: 0,25

62 Carbazole

Concentration: 4,693 ug/mL



Date : 30-JUN-2022 17:25

Client ID:

Instrument: nt10.i

Sample Info: BKF0469-BSD1

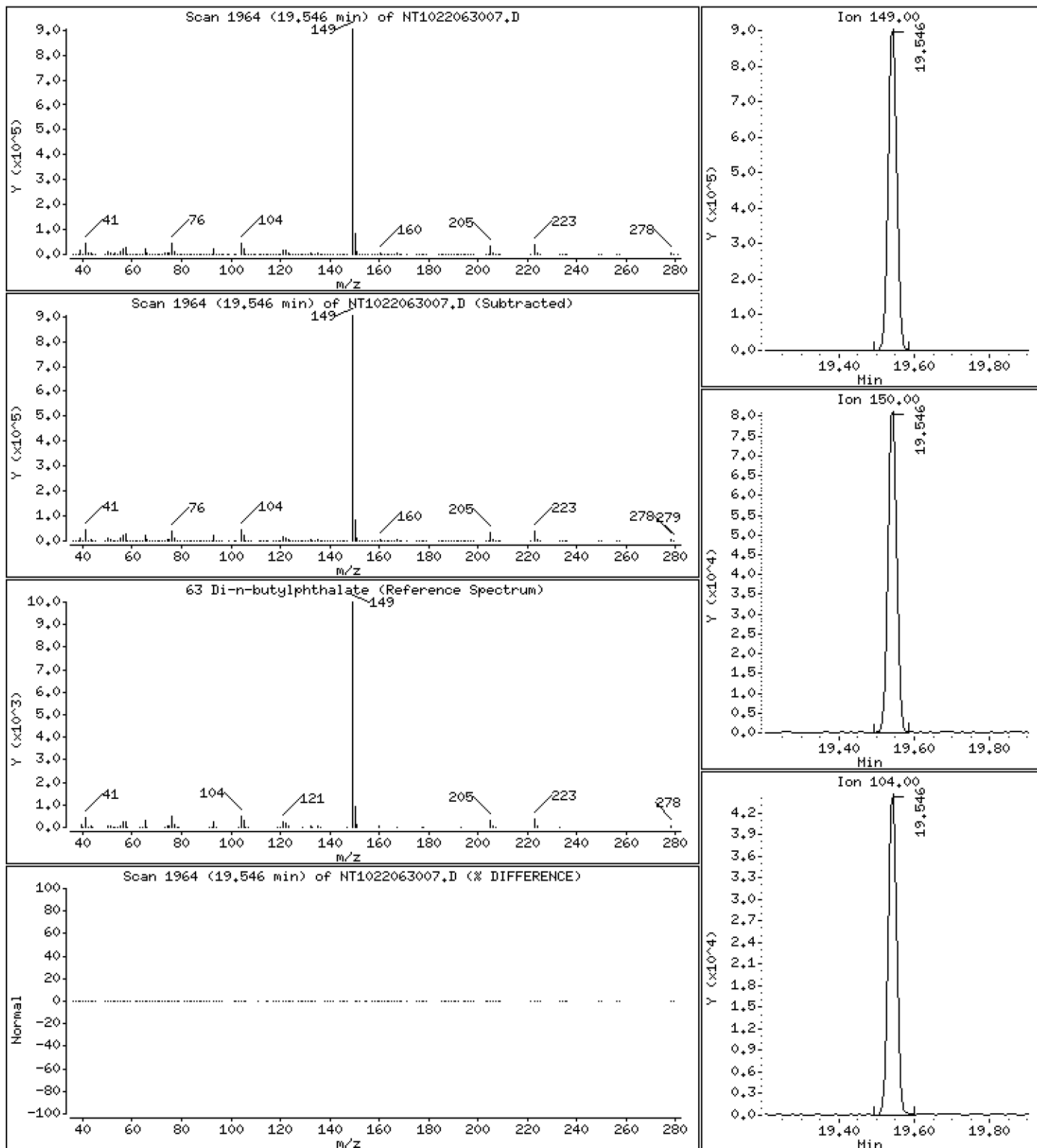
Operator: VTS

Column phase: ZB-5msi

Column diameter: 0,25

63 Di-n-butylphthalate

Concentration: 4,447 ug/mL



Date : 30-JUN-2022 17:25

Client ID:

Instrument: nt10.i

Sample Info: BKF0469-BSD1

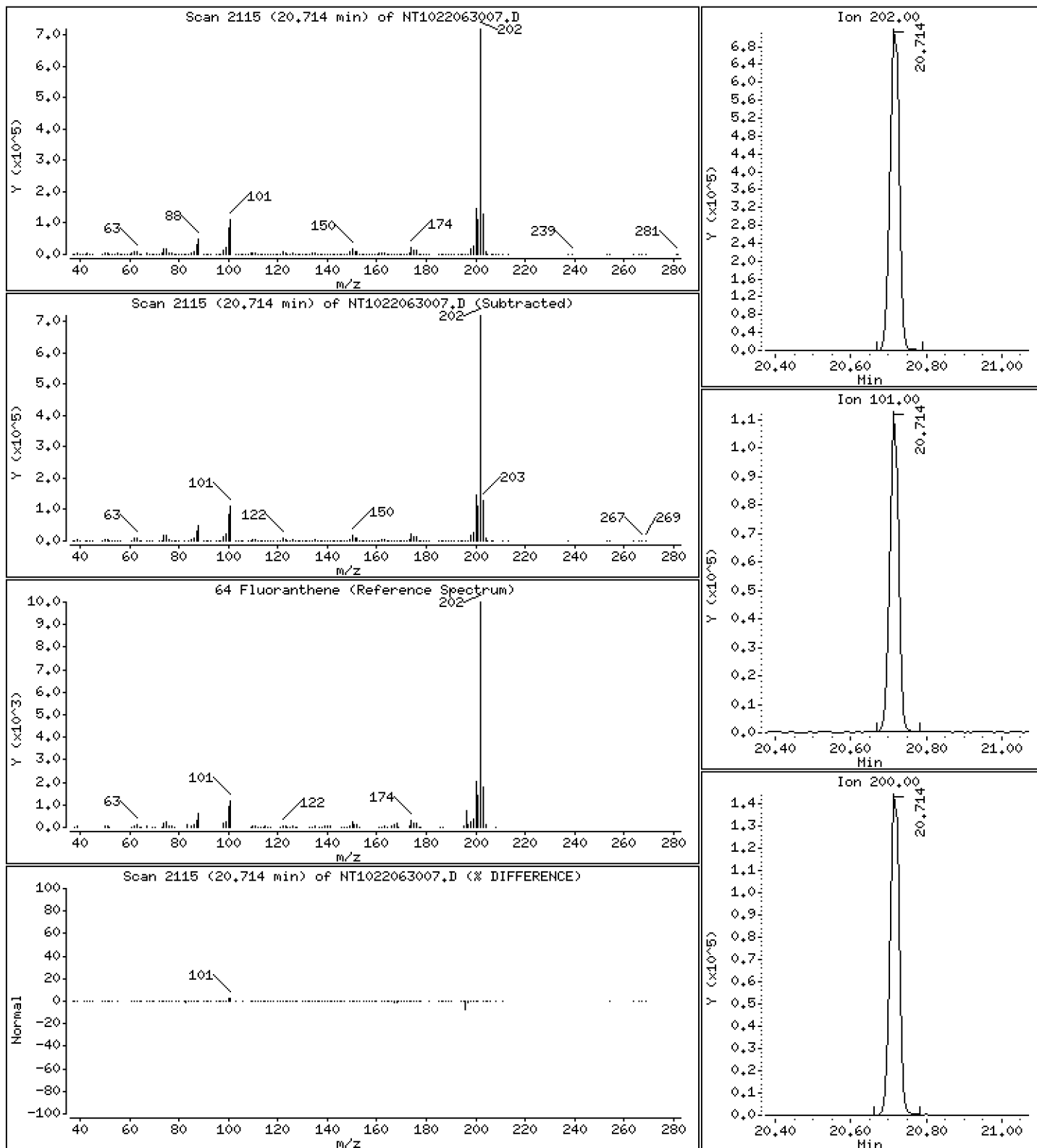
Operator: VTS

Column phase: ZB-5msi

Column diameter: 0,25

64 Fluoranthene

Concentration: 4,404 ug/mL



Date : 30-JUN-2022 17:25

Client ID:

Instrument: nt10.i

Sample Info: BKF0469-BSD1

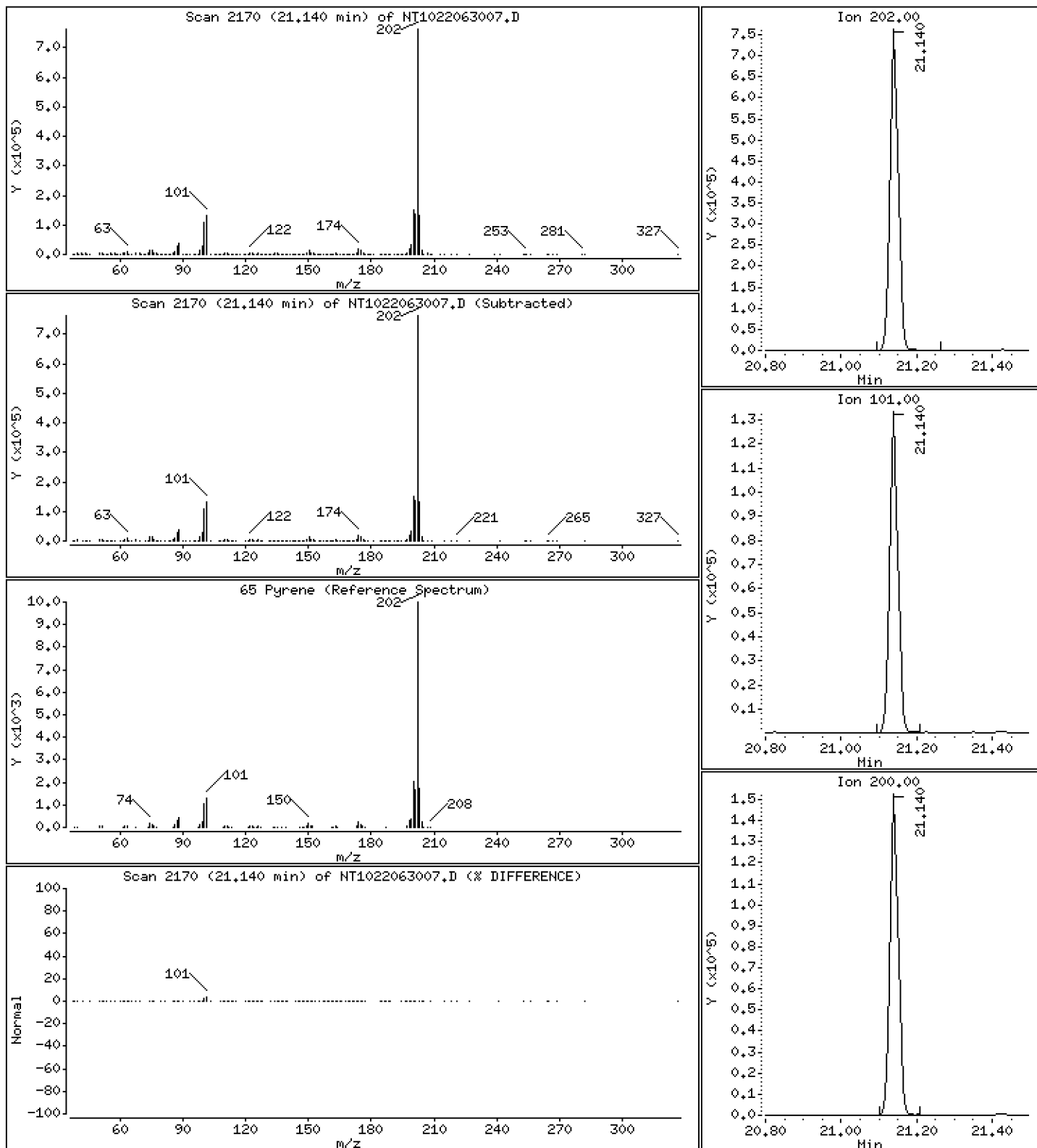
Operator: VTS

Column phase: ZB-5msi

Column diameter: 0,25

65 Pyrene

Concentration: 4,860 ug/mL



Date : 30-JUN-2022 17:25

Client ID:

Instrument: nt10.i

Sample Info: BKF0469-BSD1

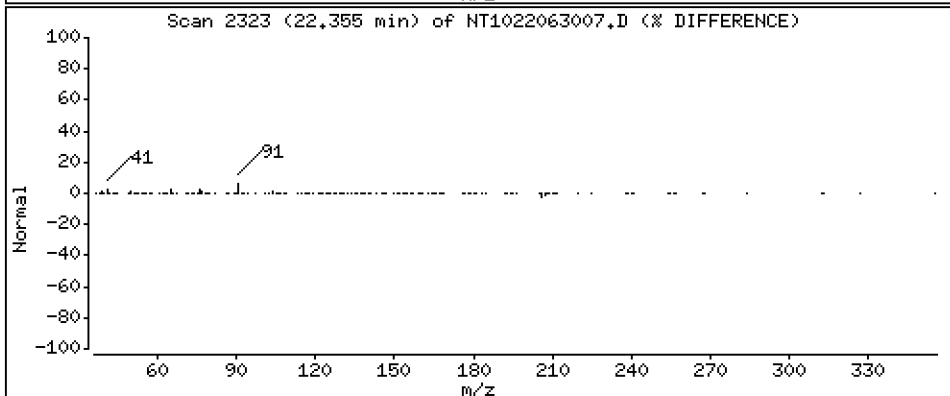
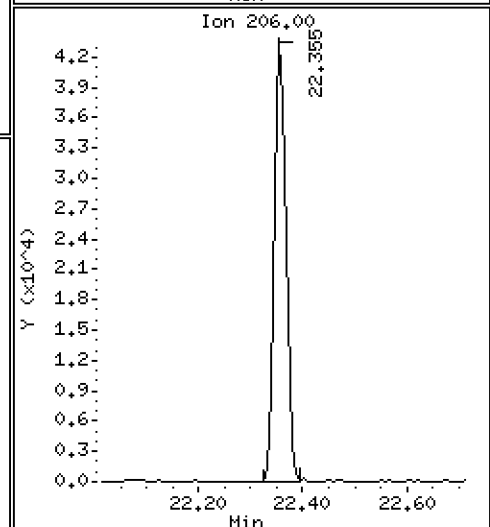
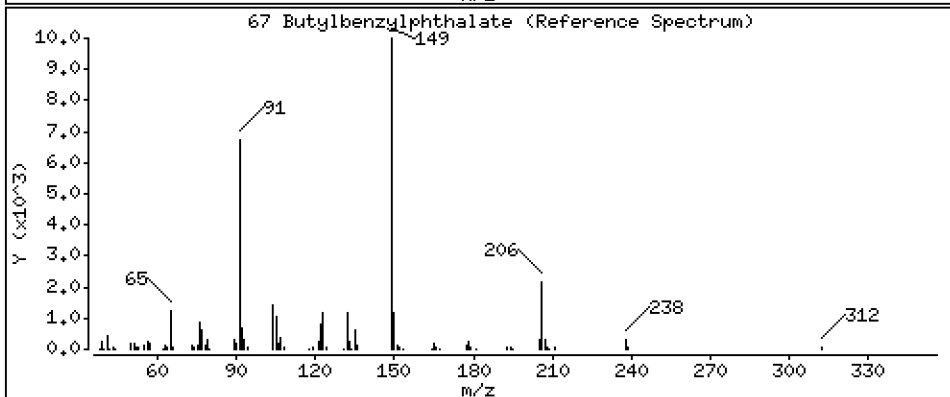
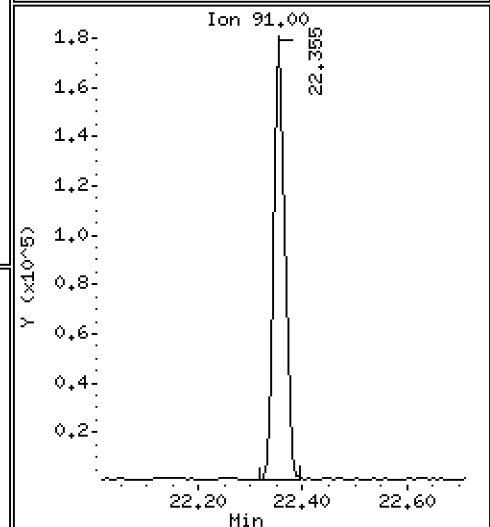
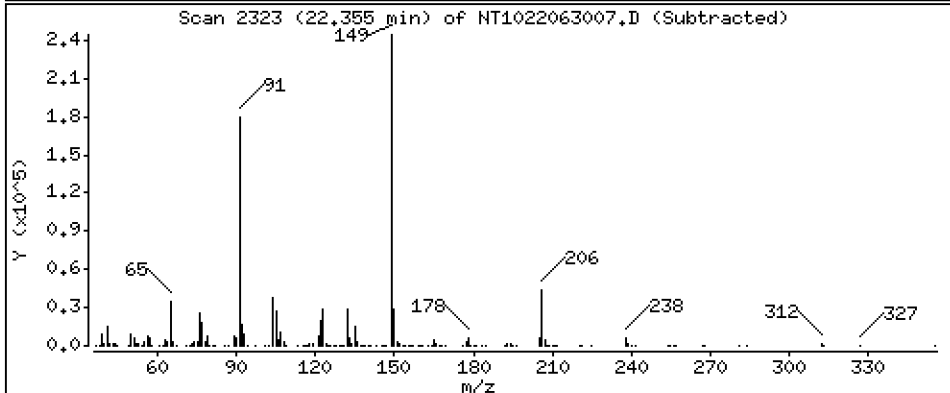
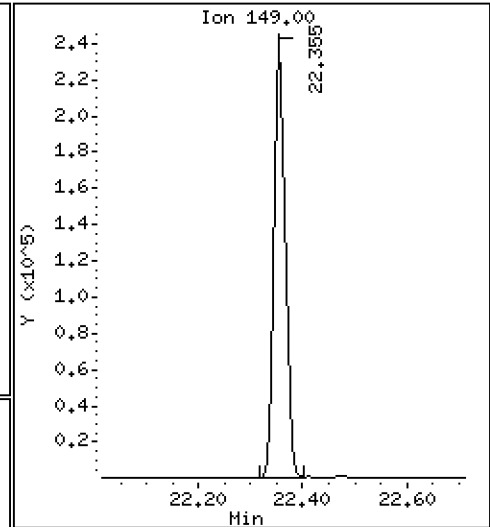
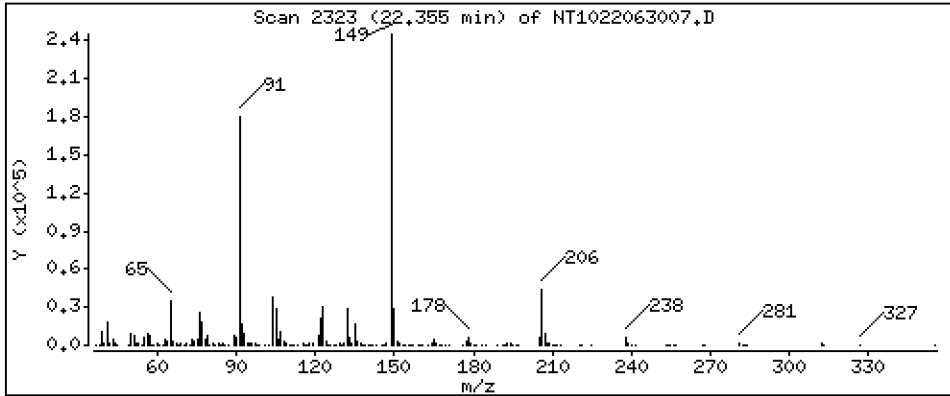
Operator: VTS

Column phase: ZB-5msi

Column diameter: 0,25

67 Butylbenzylphthalate

Concentration: 4,840 ug/mL



Date : 30-JUN-2022 17:25

Client ID:

Instrument: nt10.i

Sample Info: BKF0469-BSD1

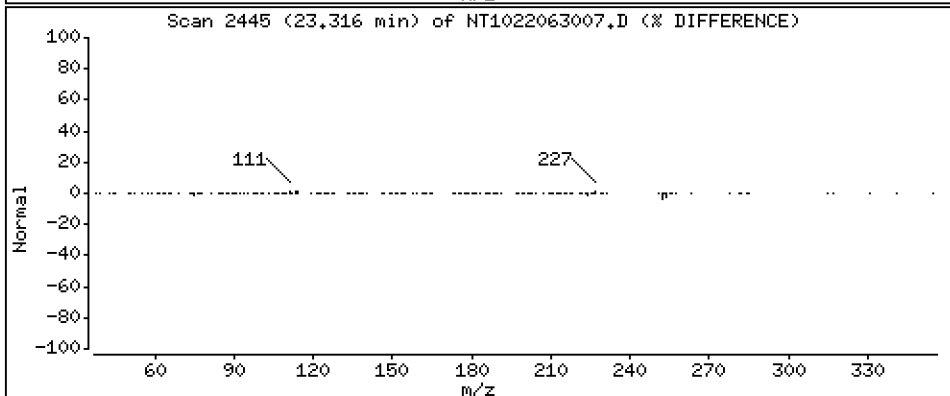
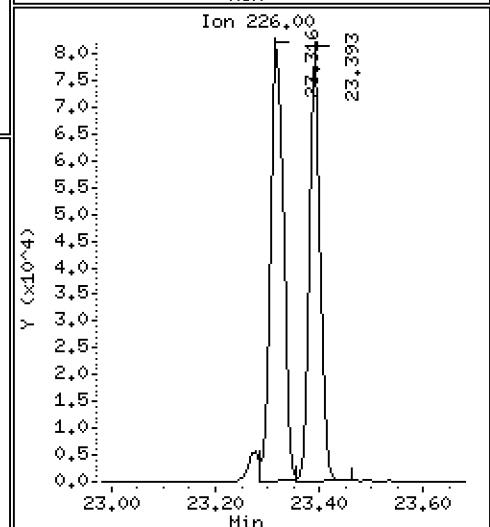
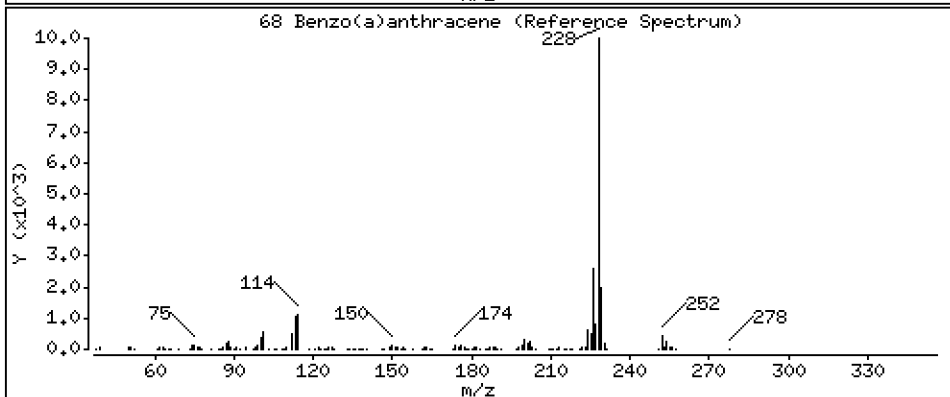
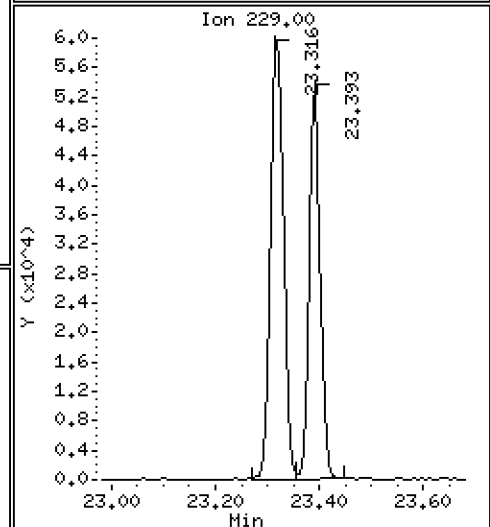
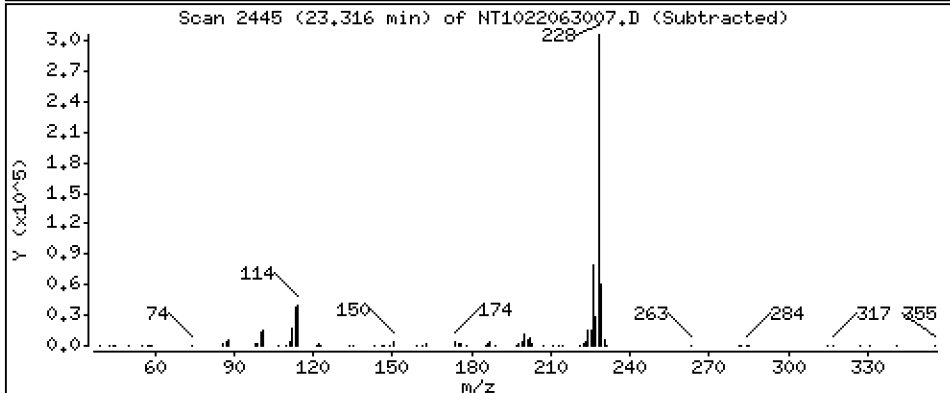
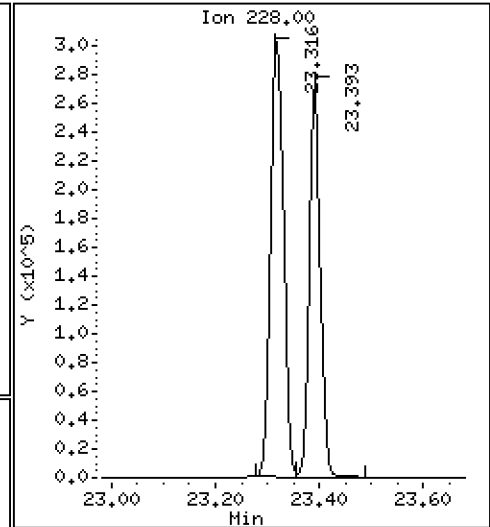
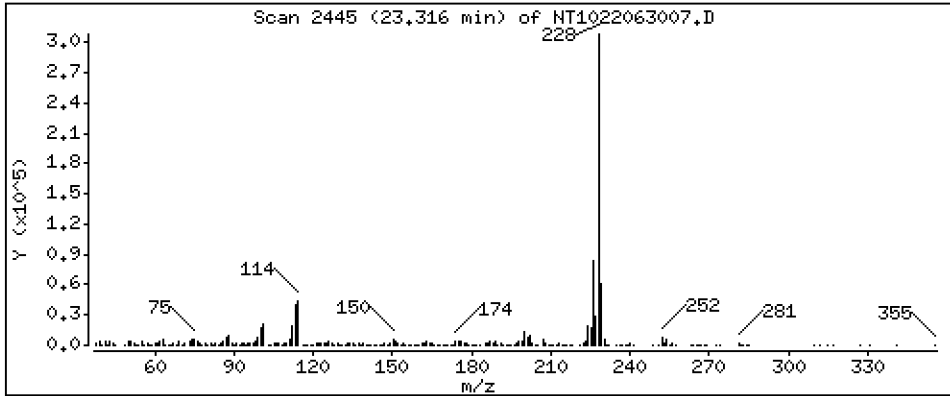
Operator: VTS

Column phase: ZB-5msi

Column diameter: 0,25

68 Benzo(a)anthracene

Concentration: 3,318 ug/mL



Date : 30-JUN-2022 17:25

Client ID:

Instrument: nt10.i

Sample Info: BKF0469-BSD1

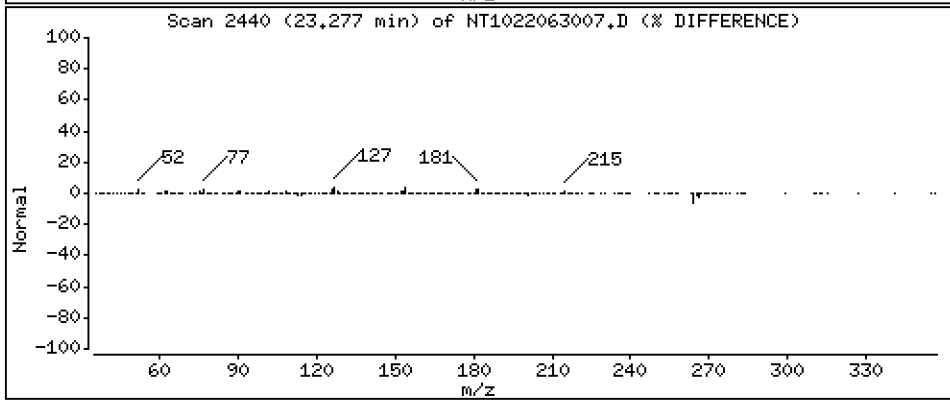
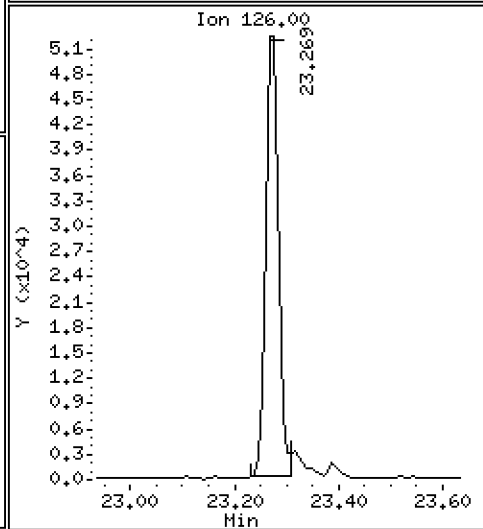
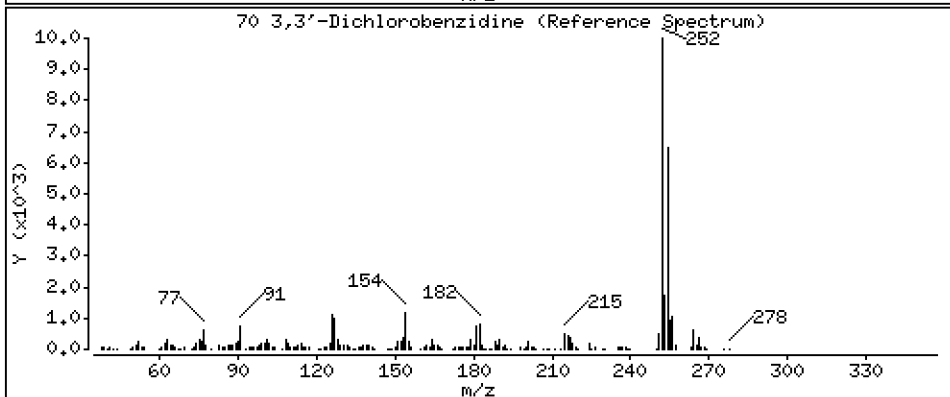
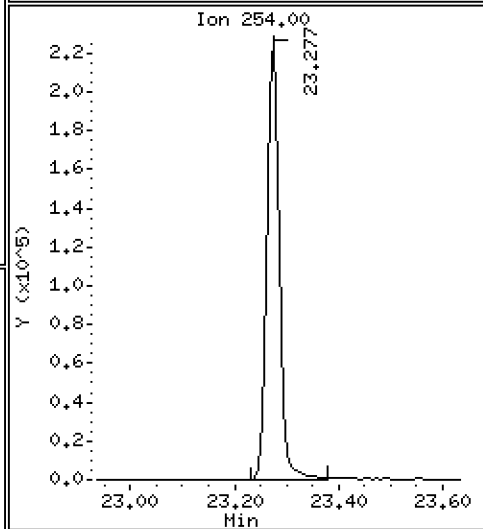
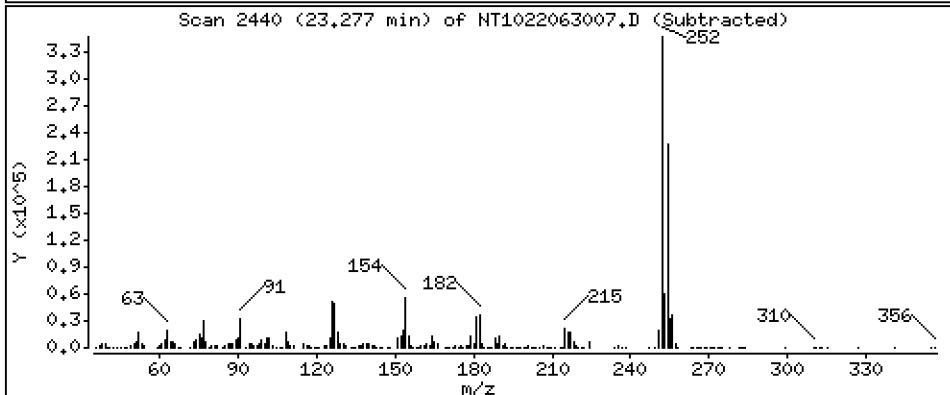
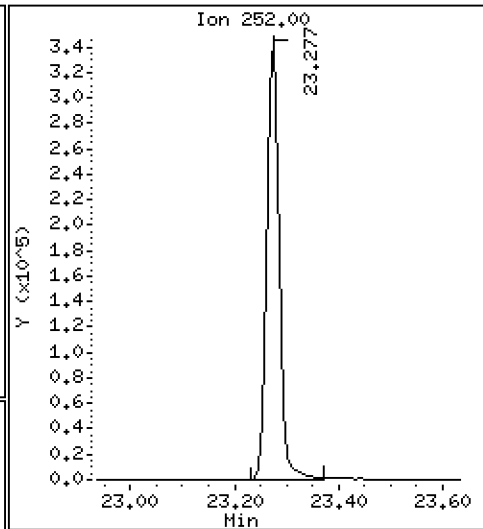
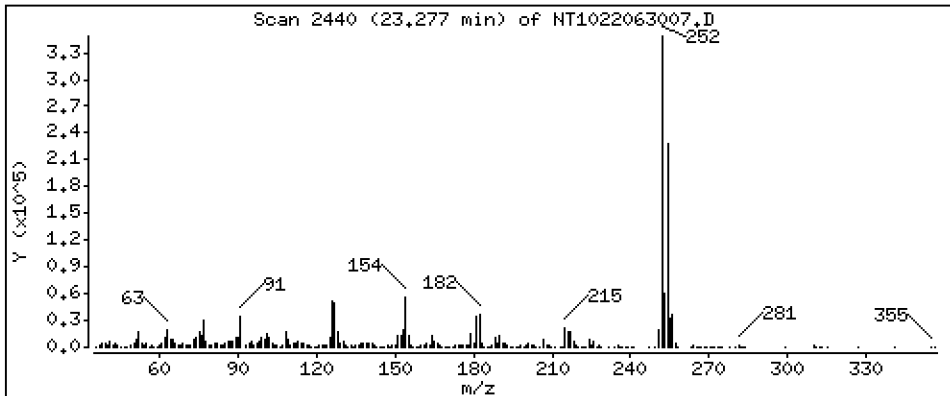
Operator: VTS

Column phase: ZB-5msi

Column diameter: 0,25

70 3,3'-Dichlorobenzidine

Concentration: 10,90 ug/mL



Date : 30-JUN-2022 17:25

Client ID:

Instrument: nt10.i

Sample Info: BKF0469-BSD1

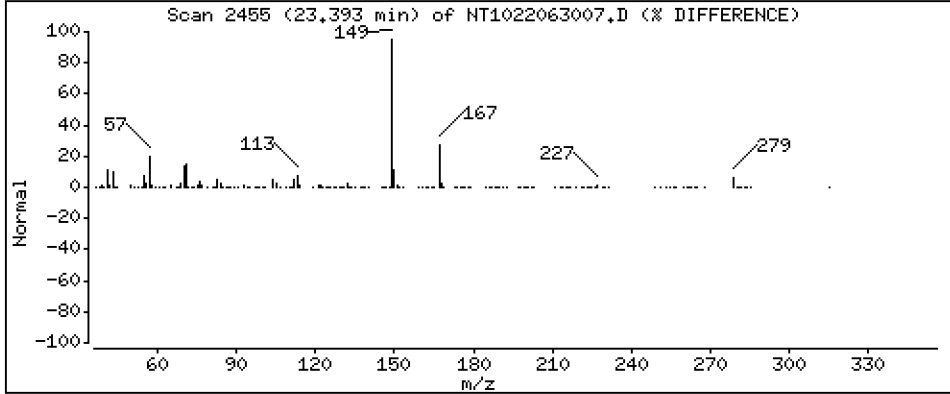
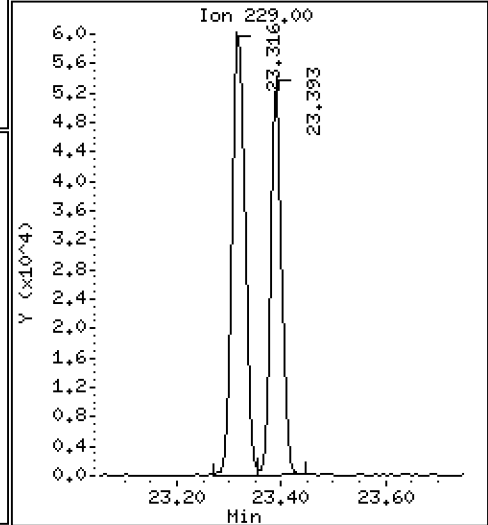
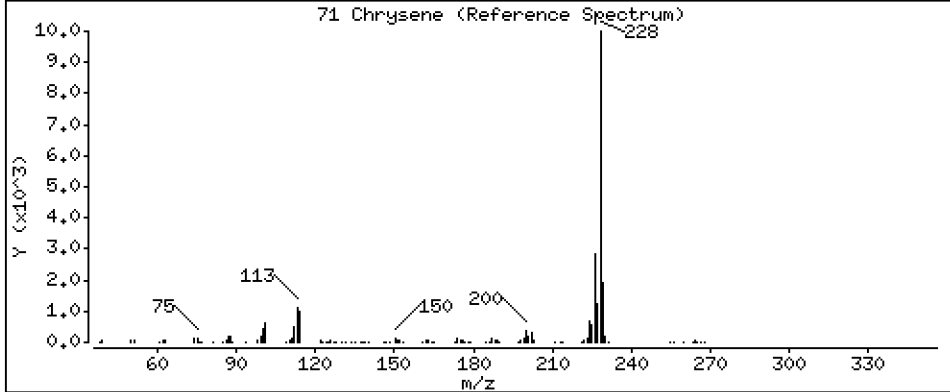
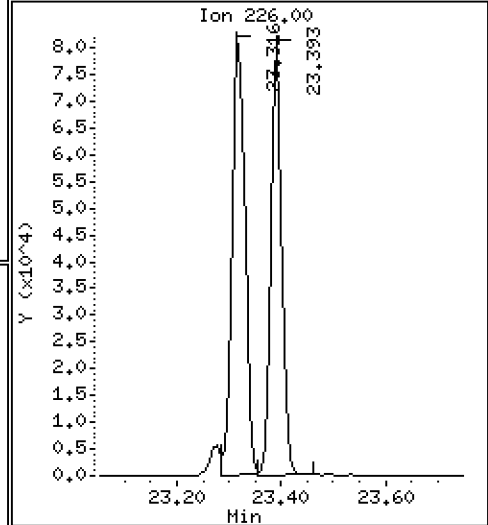
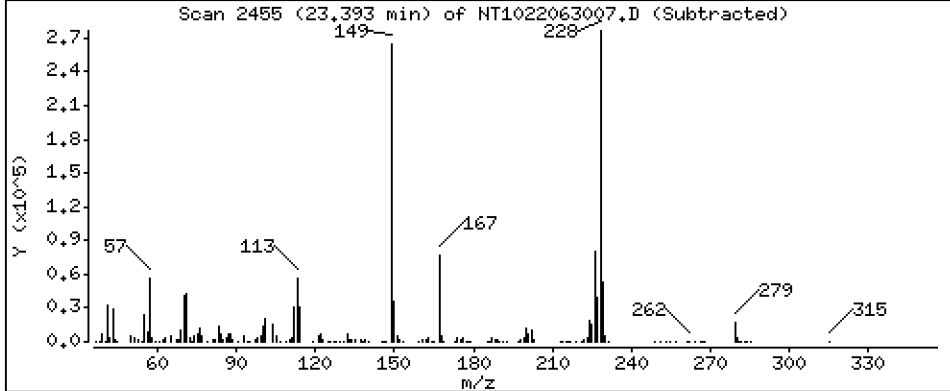
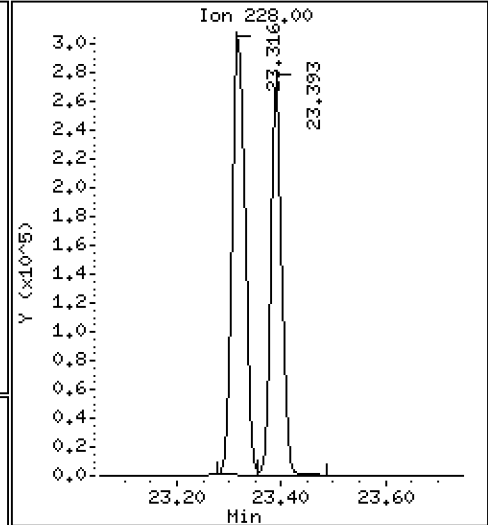
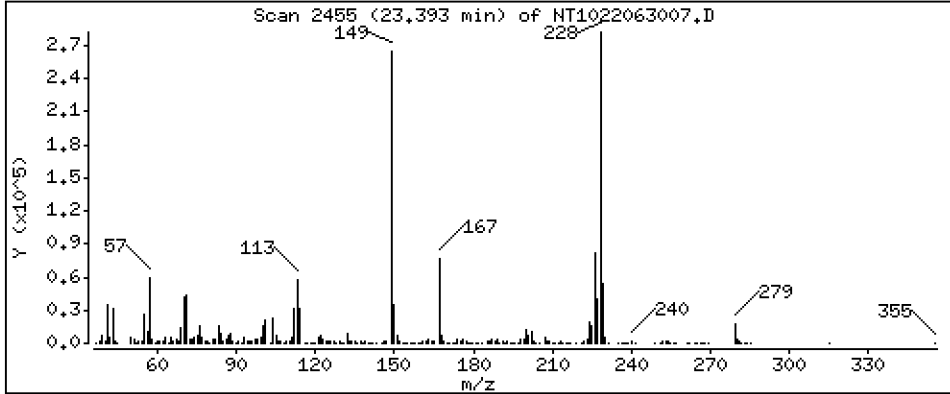
Operator: VTS

Column phase: ZB-5msi

Column diameter: 0,25

71 Chrysene

Concentration: 3,768 ug/mL



Date : 30-JUN-2022 17:25

Client ID:

Instrument: nt10.i

Sample Info: BKF0469-BSD1

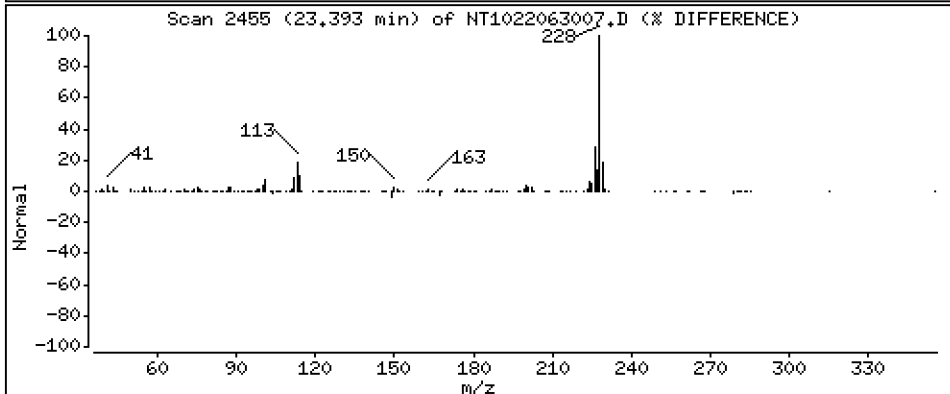
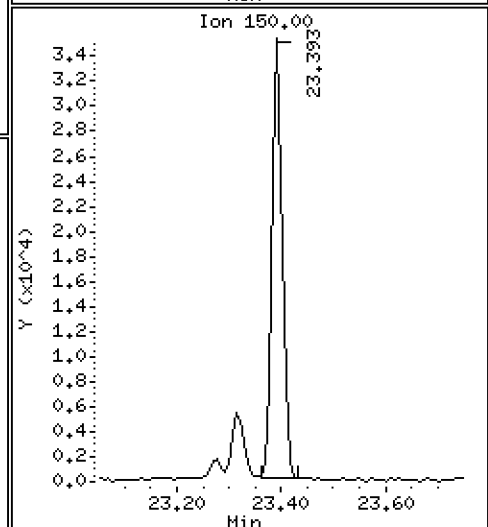
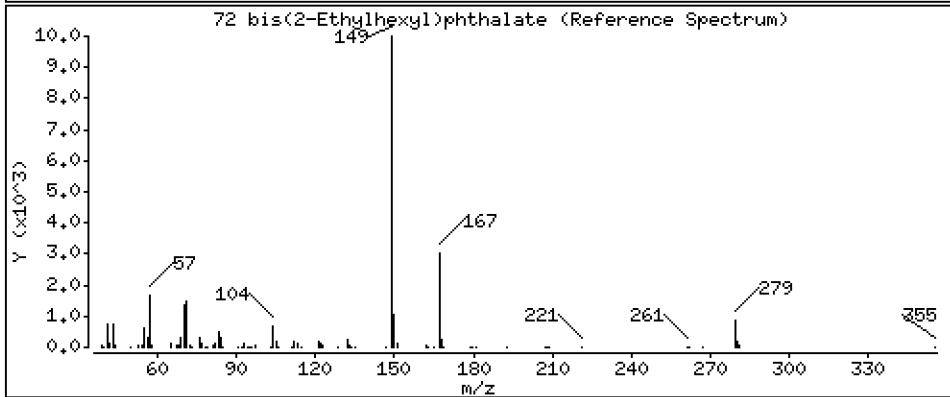
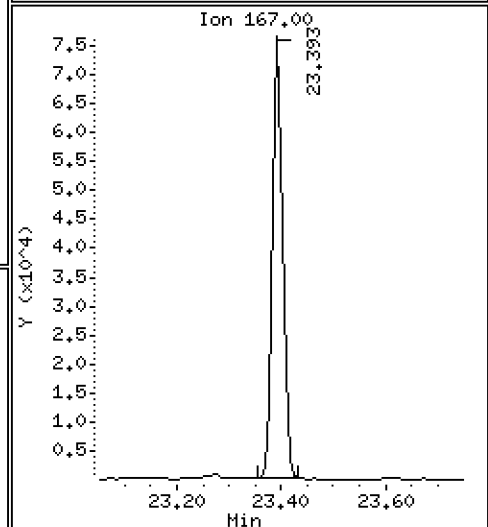
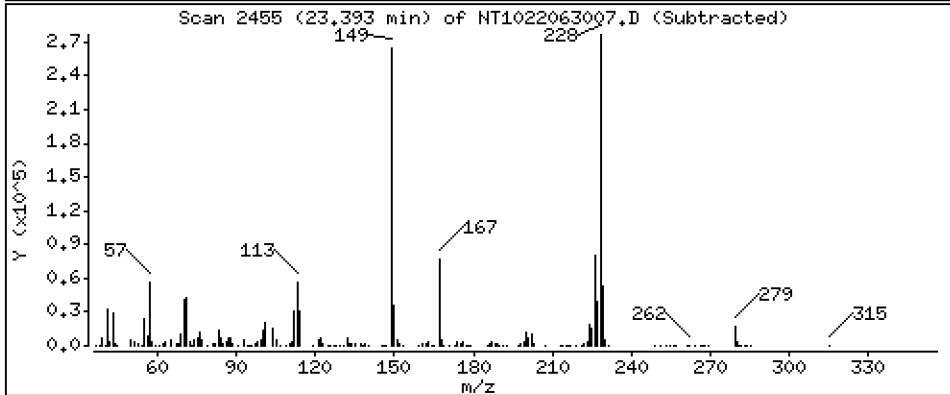
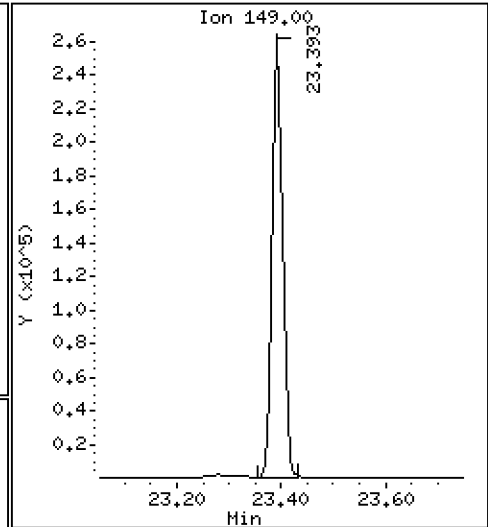
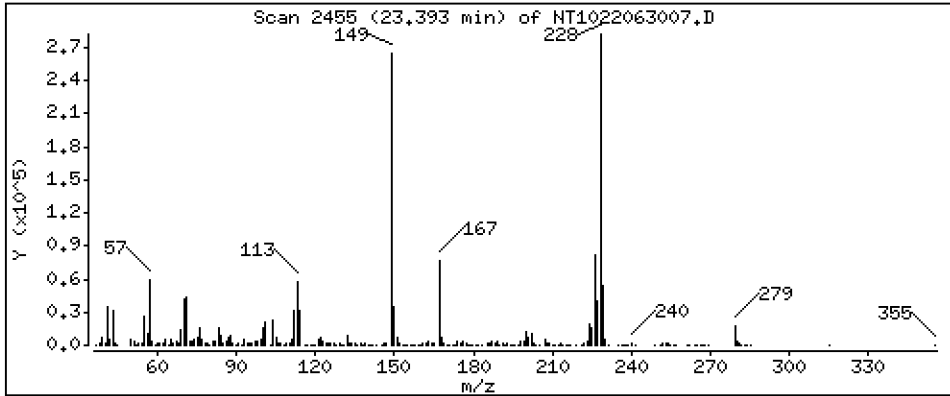
Operator: VTS

Column phase: ZB-5msi

Column diameter: 0,25

72 bis(2-Ethylhexyl)phthalate

Concentration: 4,999 ug/mL



Date : 30-JUN-2022 17:25

Client ID:

Instrument: nt10.i

Sample Info: BKF0469-BSD1

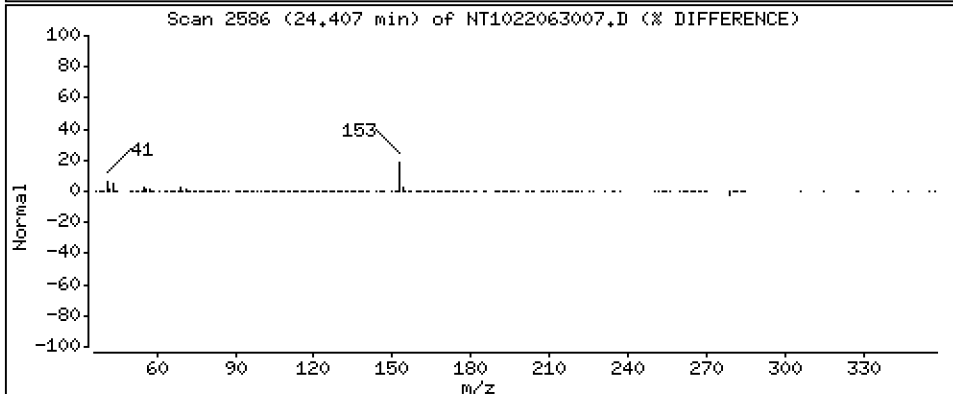
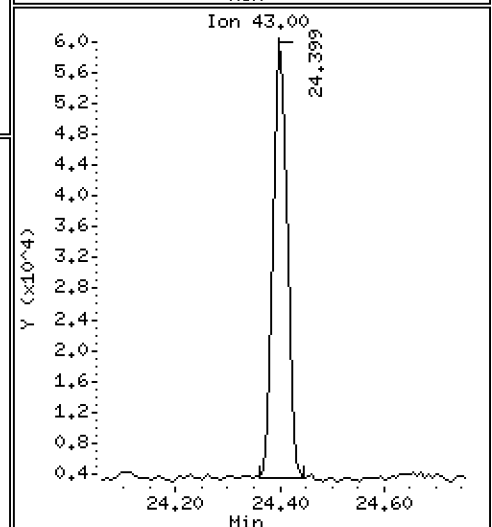
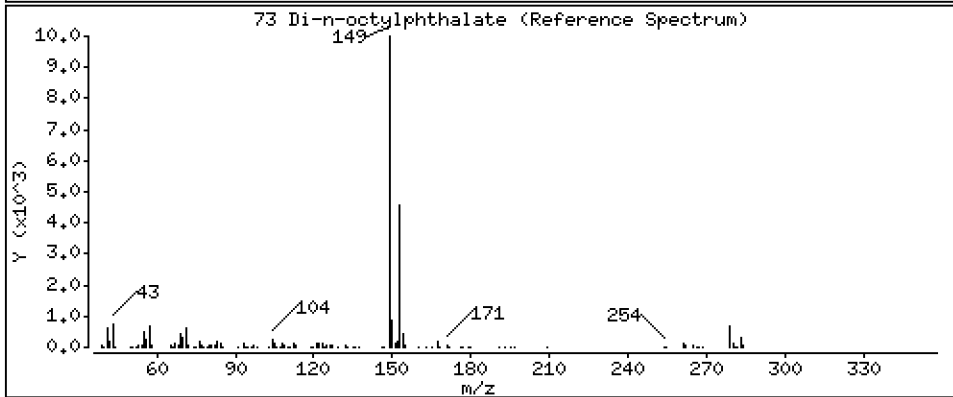
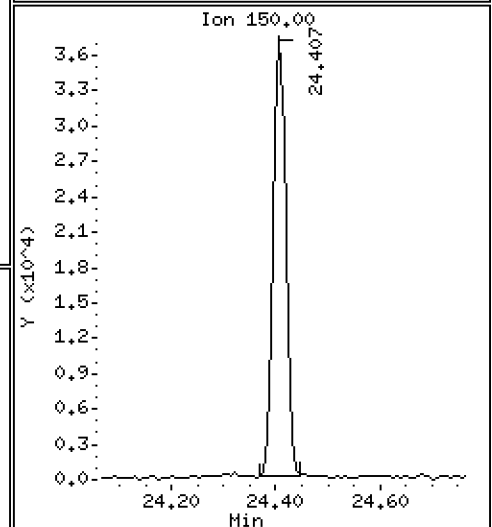
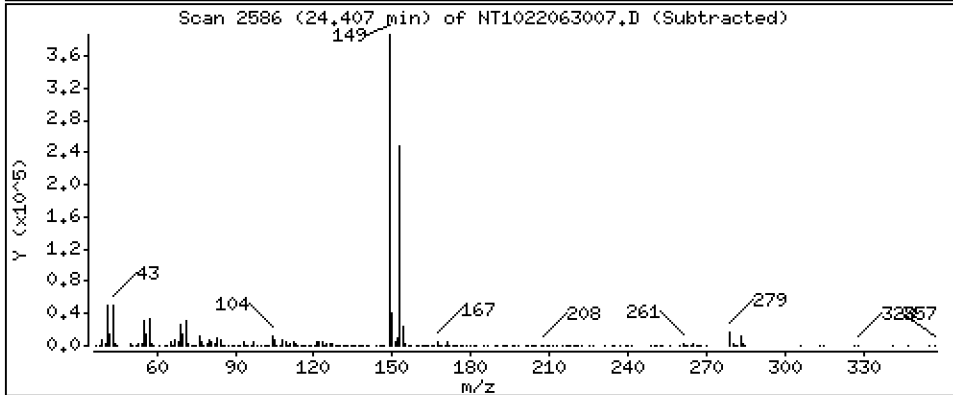
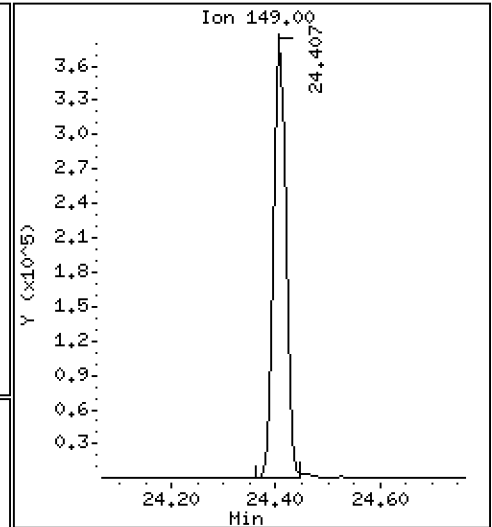
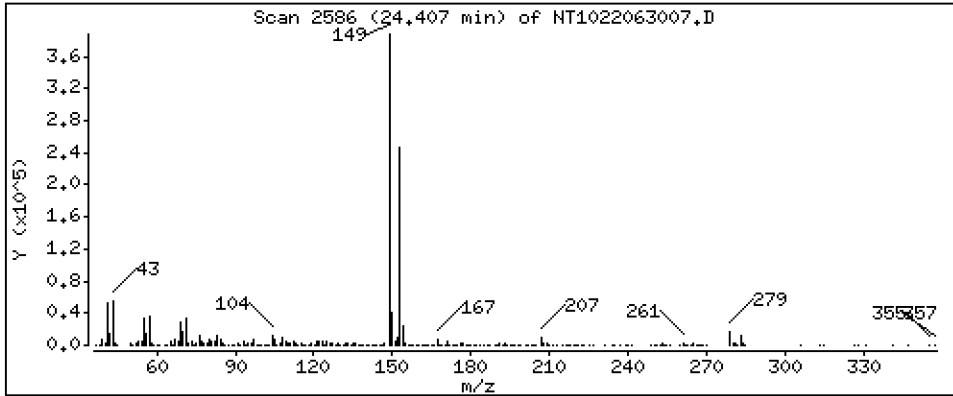
Operator: VTS

Column phase: ZB-5msi

Column diameter: 0,25

73 Di-n-octylphthalate

Concentration: 4,063 ug/mL



Date : 30-JUN-2022 17:25

Client ID:

Instrument: nt10.i

Sample Info: BKF0469-BSD1

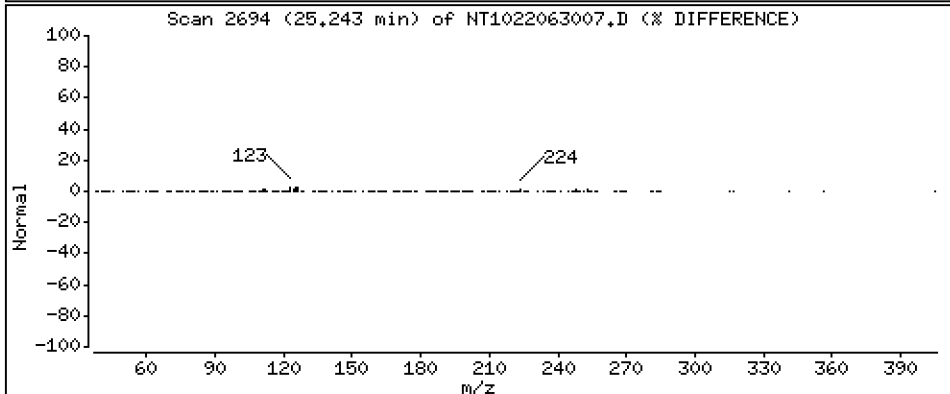
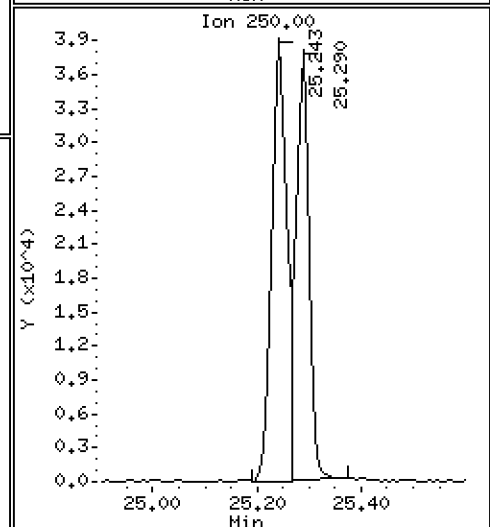
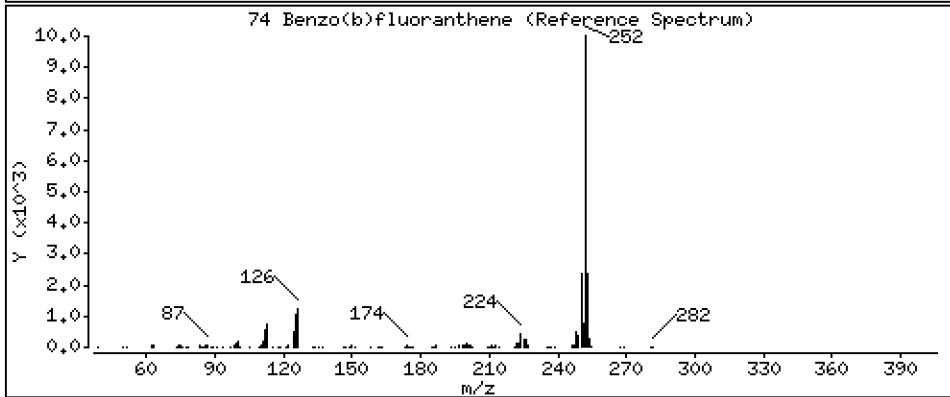
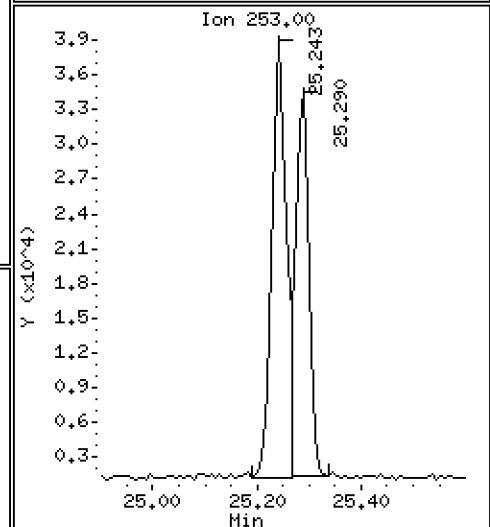
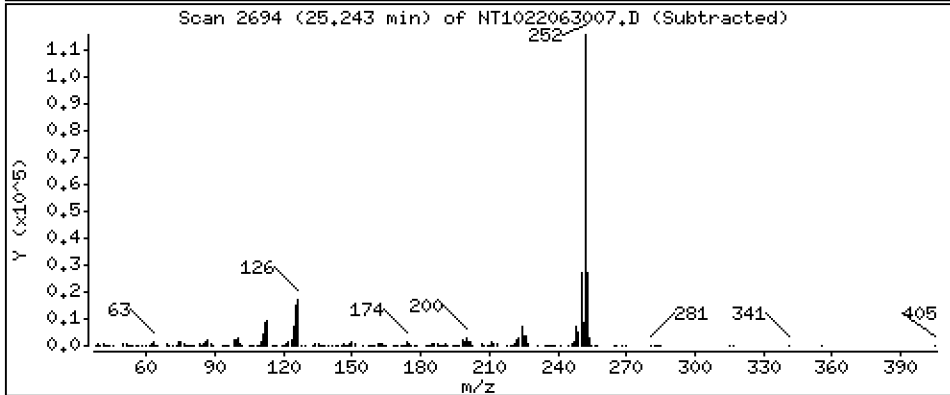
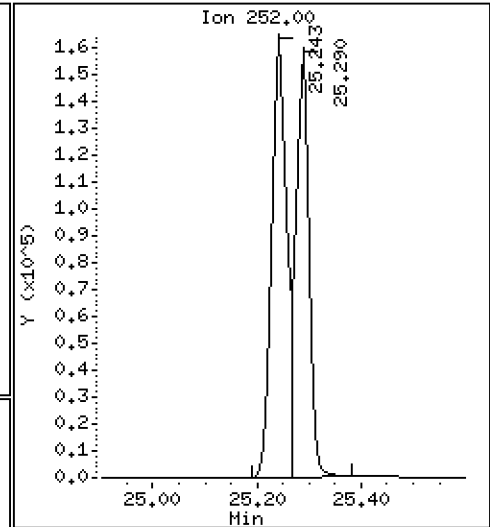
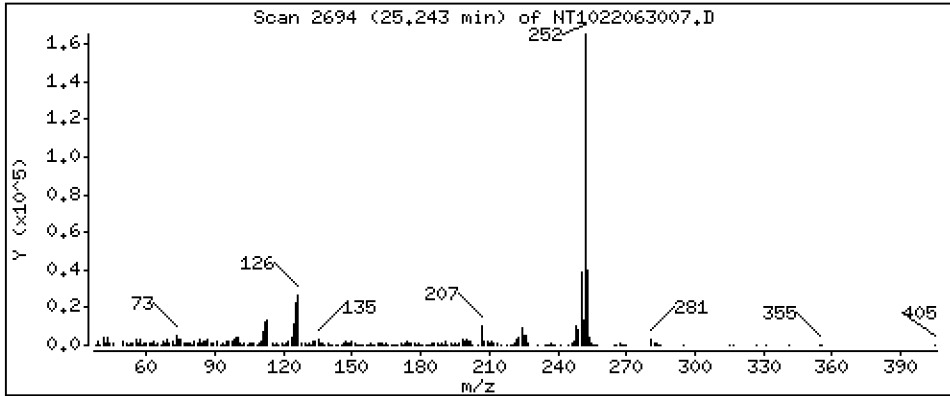
Operator: VTS

Column phase: ZB-5msi

Column diameter: 0,25

74 Benzo(b)fluoranthene

Concentration: 3,441 ug/mL



Date : 30-JUN-2022 17:25

Client ID:

Instrument: nt10.i

Sample Info: BKF0469-BSD1

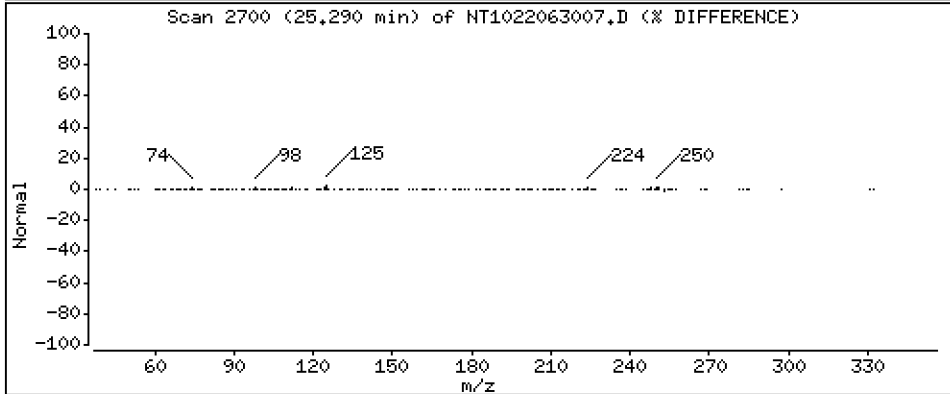
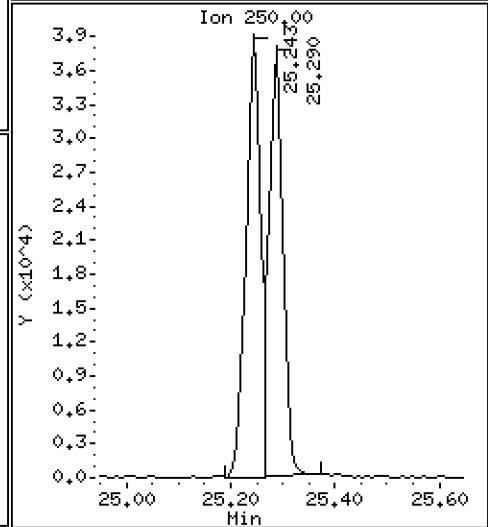
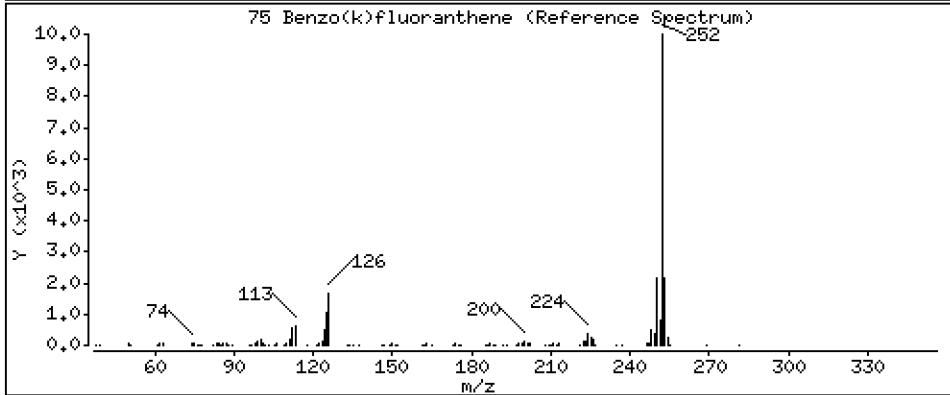
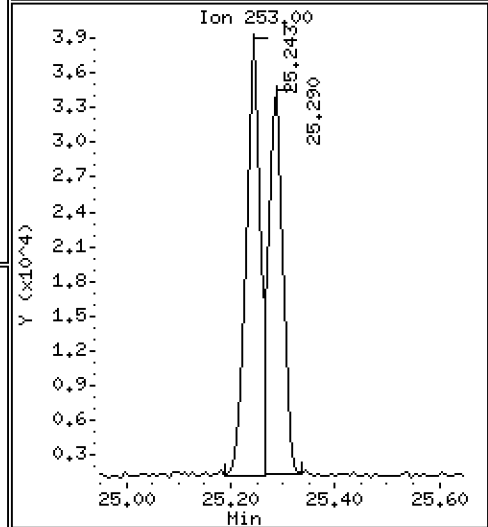
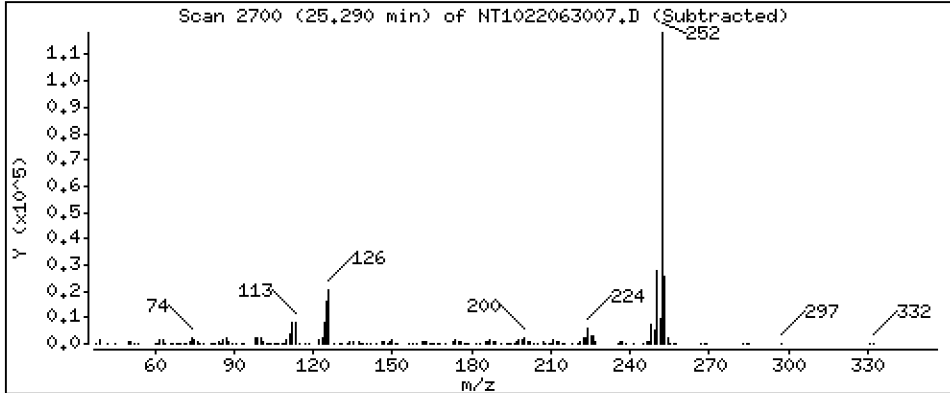
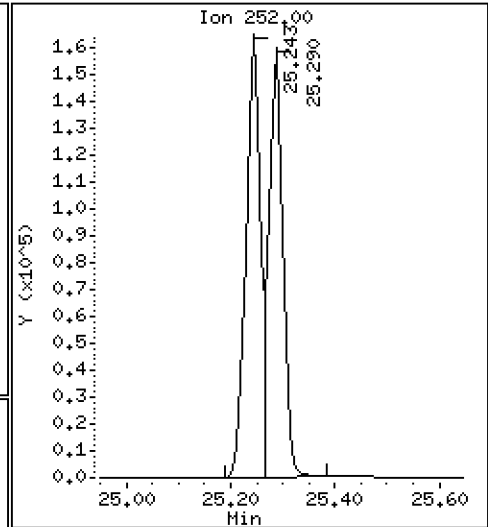
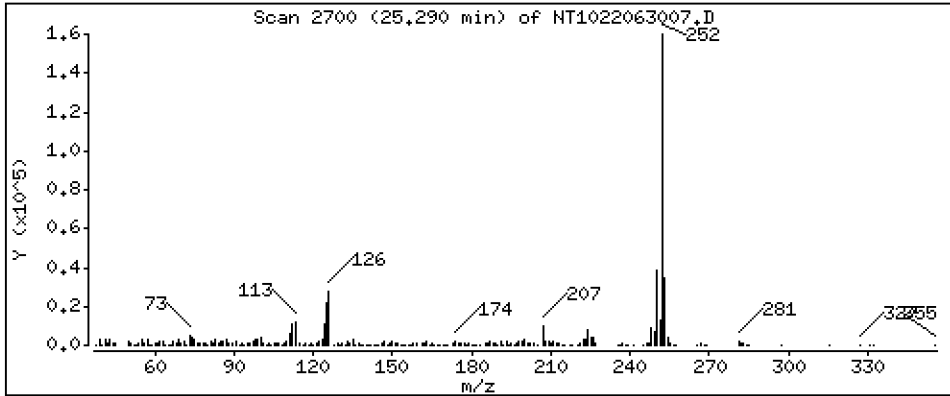
Operator: VTS

Column phase: ZB-5msi

Column diameter: 0,25

75 Benzo(k)fluoranthene

Concentration: 3,256 ug/mL



Date : 30-JUN-2022 17:25

Client ID:

Instrument: nt10.i

Sample Info: BKF0469-BSD1

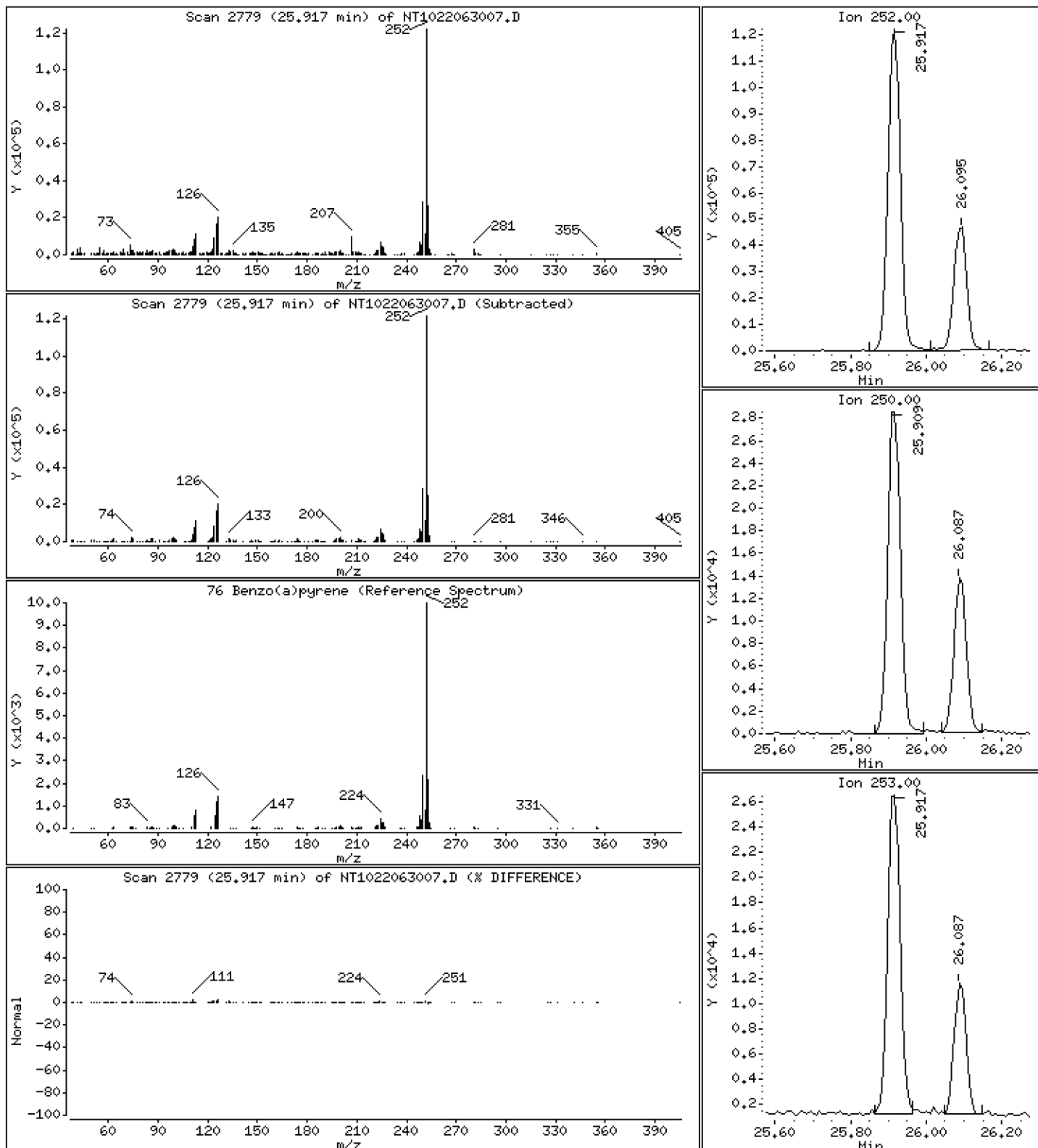
Operator: VTS

Column phase: ZB-5msi

Column diameter: 0,25

76 Benzo(a)pyrene

Concentration: 3,422 ug/mL



Date : 30-JUN-2022 17:25

Client ID:

Instrument: nt10.i

Sample Info: BKF0469-BSD1

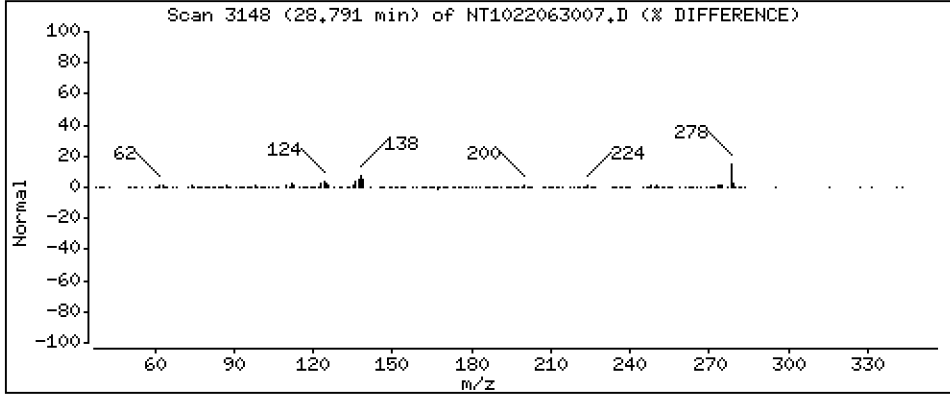
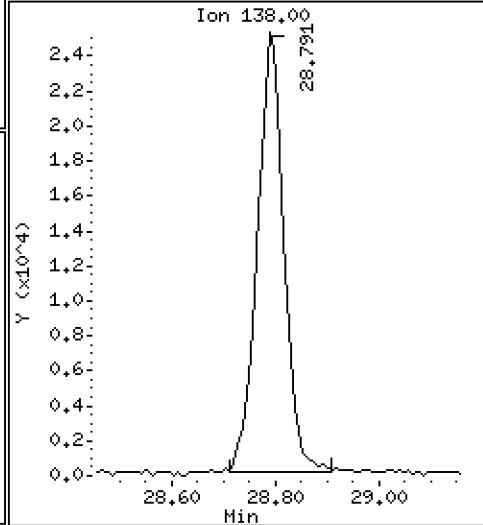
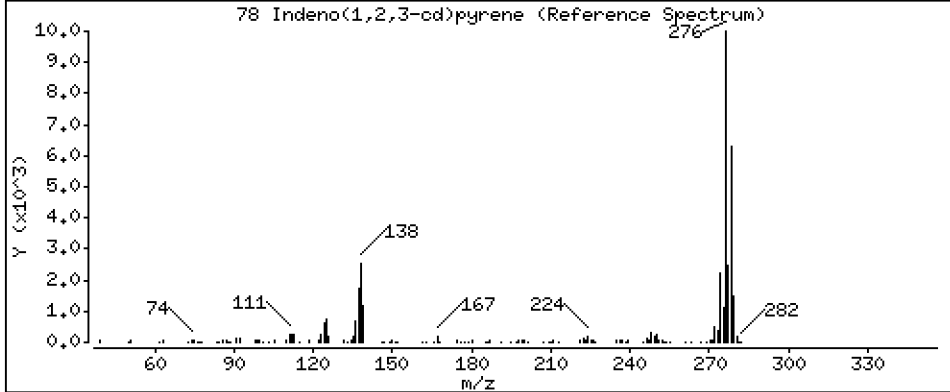
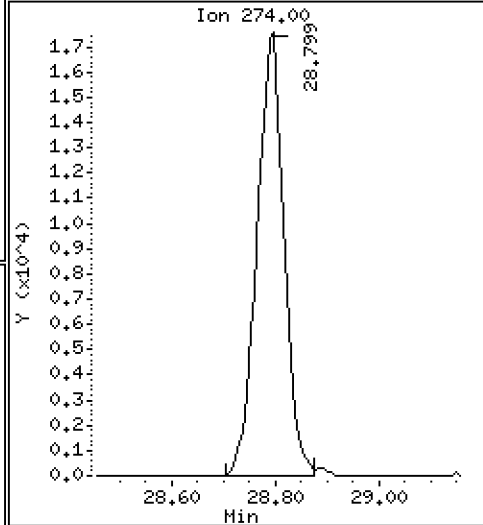
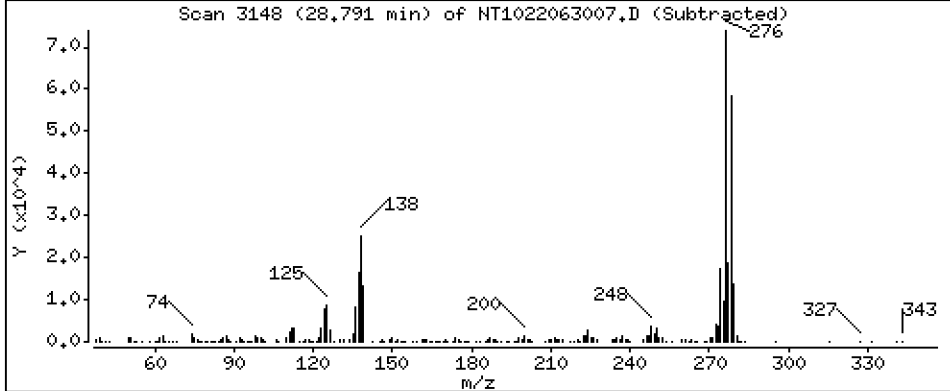
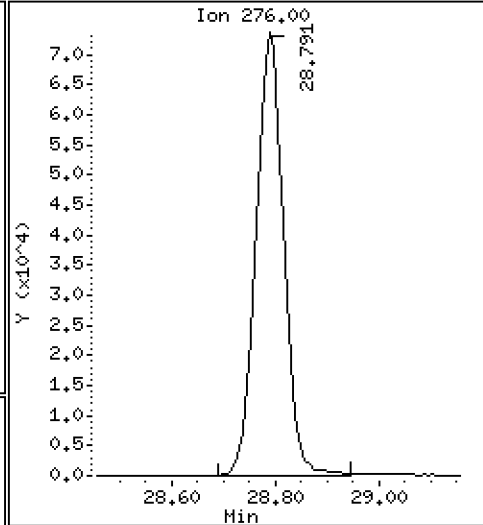
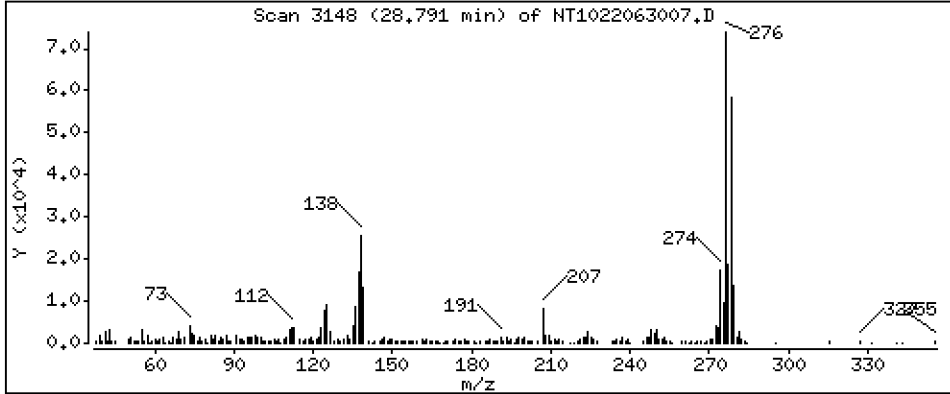
Operator: VTS

Column phase: ZB-5msi

Column diameter: 0,25

78 Indeno(1,2,3-cd)pyrene

Concentration: 3,252 ug/mL



Date : 30-JUN-2022 17:25

Client ID:

Instrument: nt10.i

Sample Info: BKF0469-BSD1

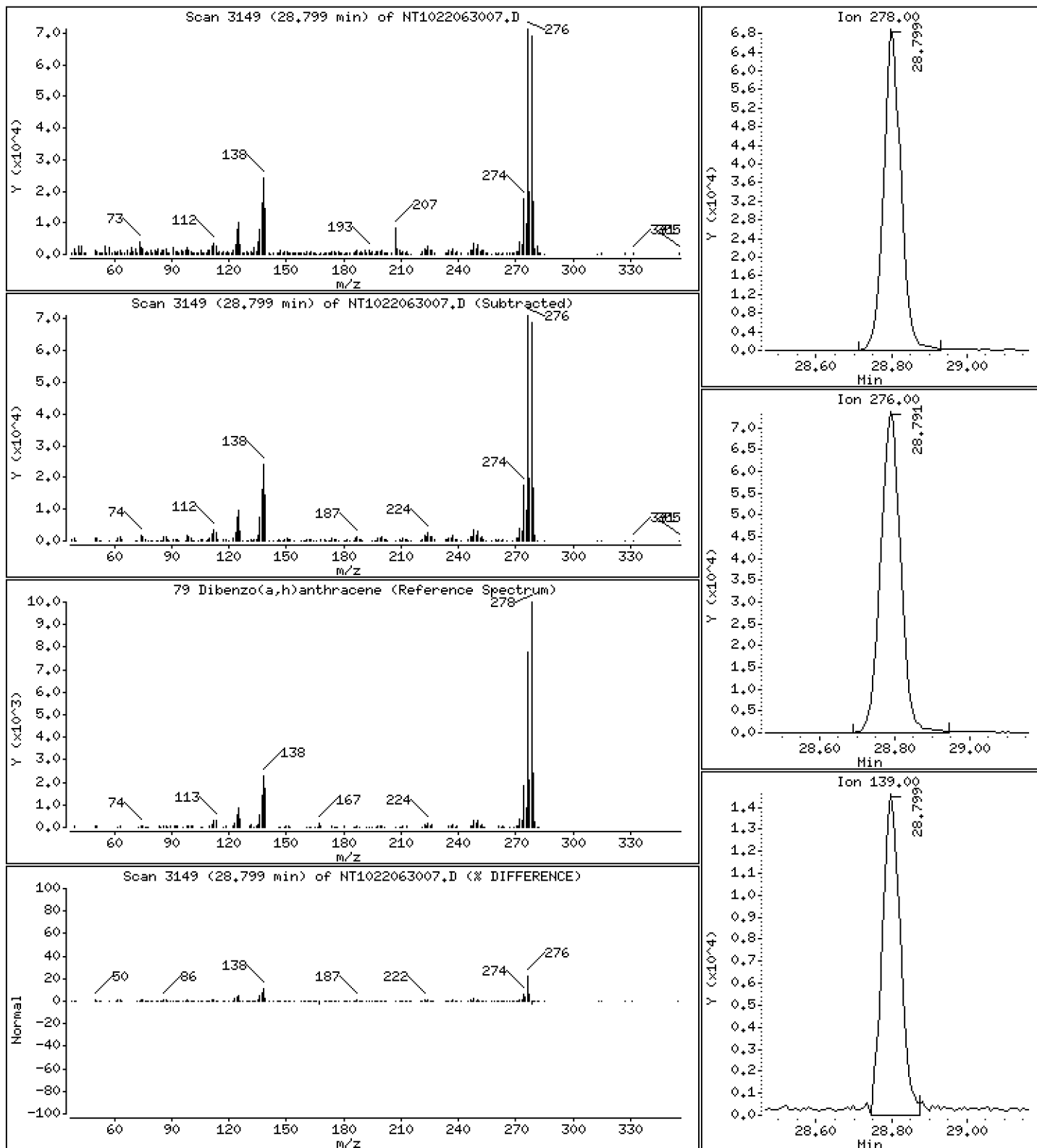
Operator: VTS

Column phase: ZB-5msi

Column diameter: 0,25

79 Dibenzo(a,h)anthracene

Concentration: 3,408 ug/mL



Date : 30-JUN-2022 17:25

Client ID:

Instrument: nt10.i

Sample Info: BKF0469-BSD1

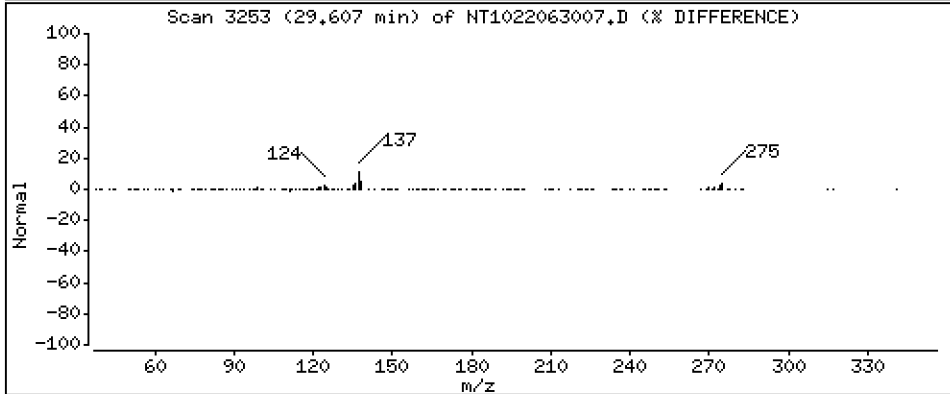
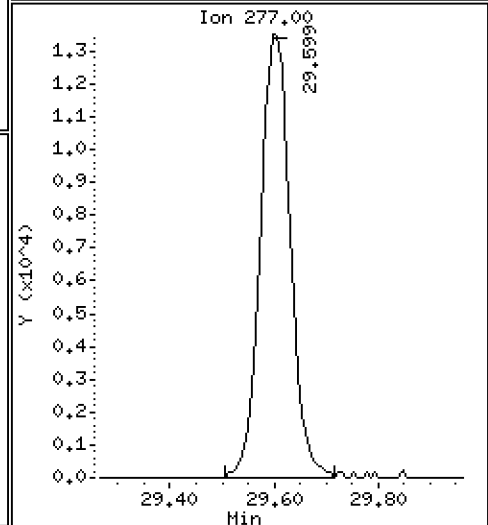
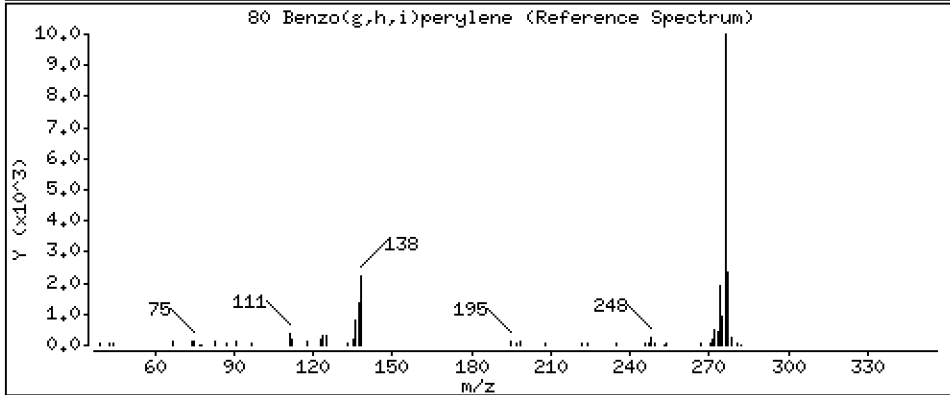
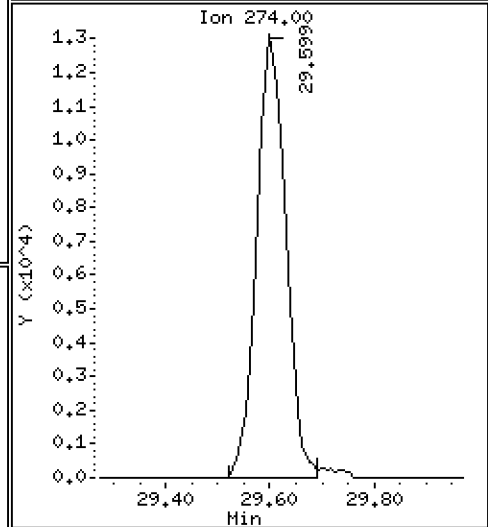
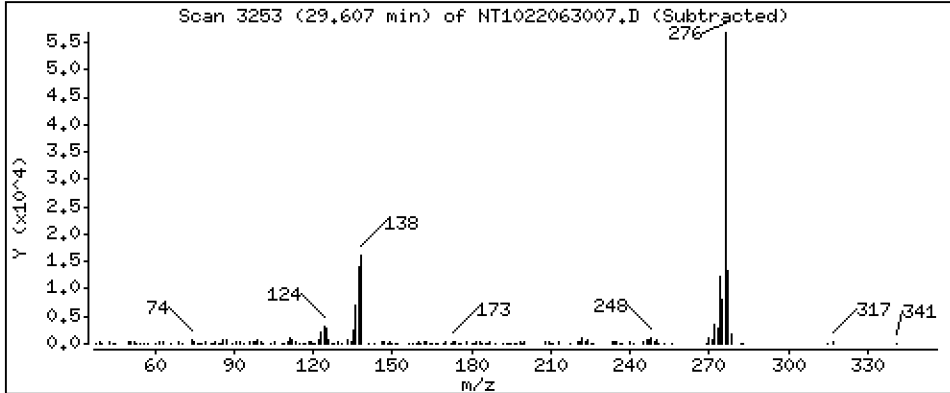
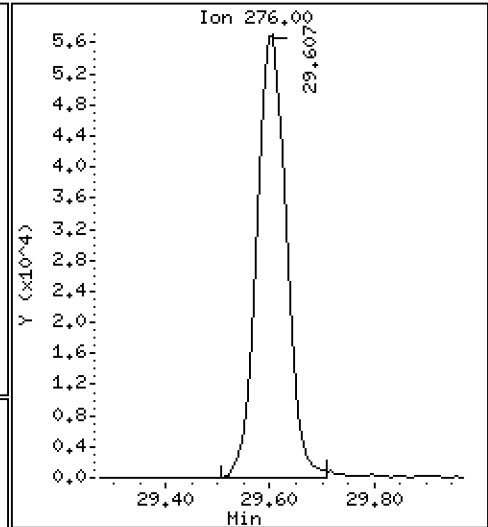
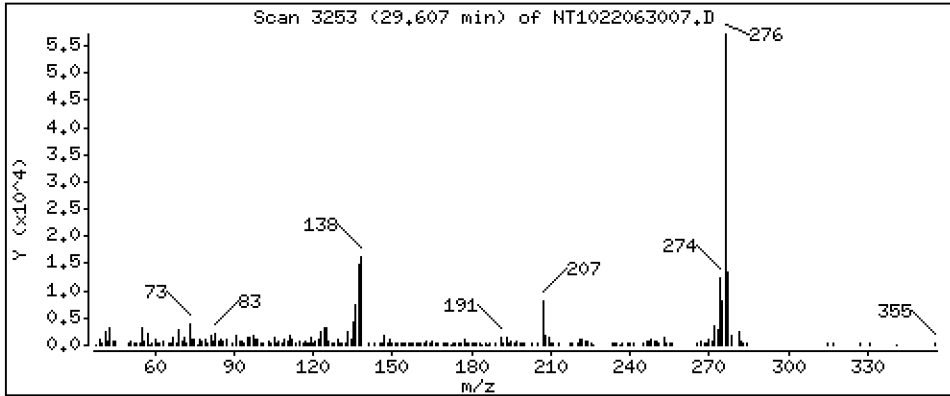
Operator: VTS

Column phase: ZB-5msi

Column diameter: 0,25

80 Benzo(g,h,i)perylene

Concentration: 3,365 ug/mL



Date : 30-JUN-2022 17:25

Client ID:

Instrument: nt10.i

Sample Info: BKF0469-BSD1

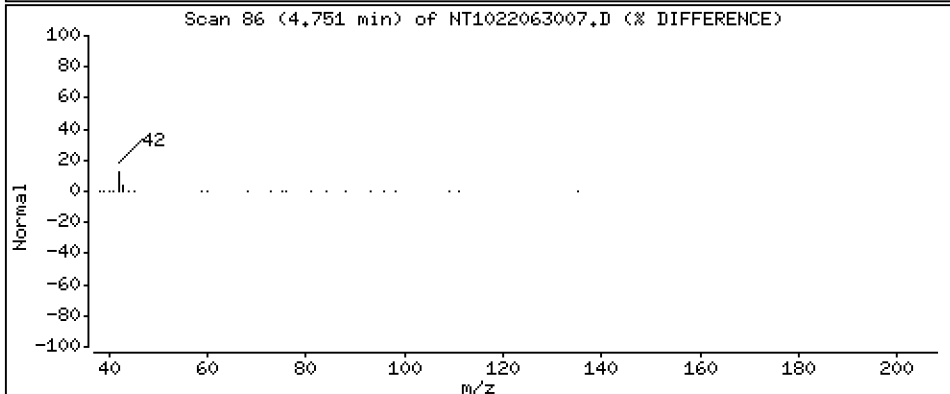
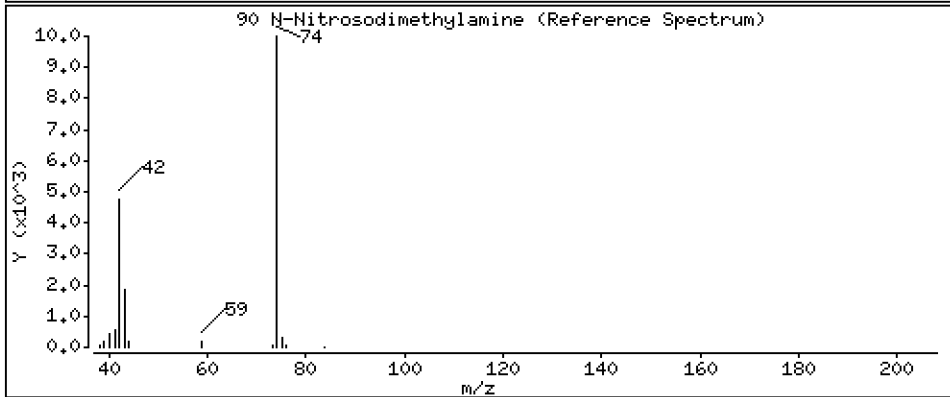
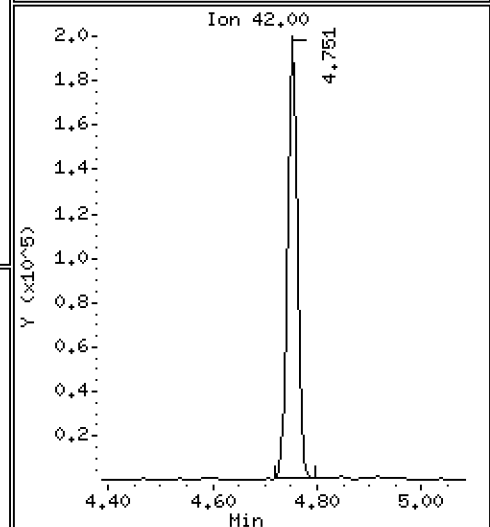
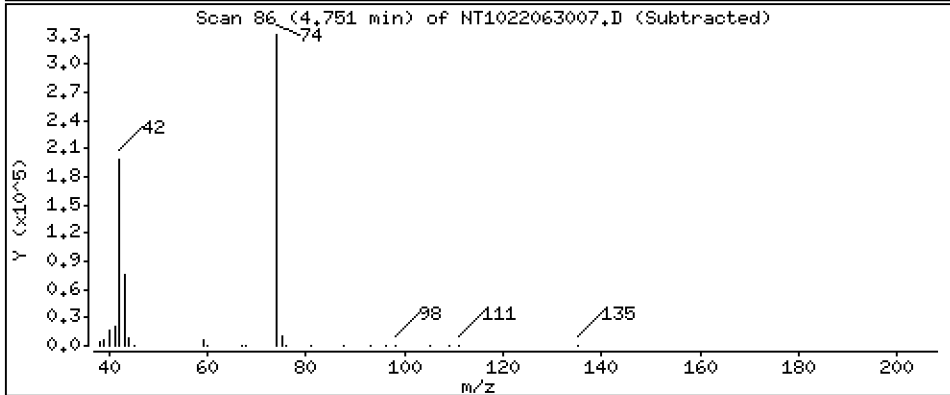
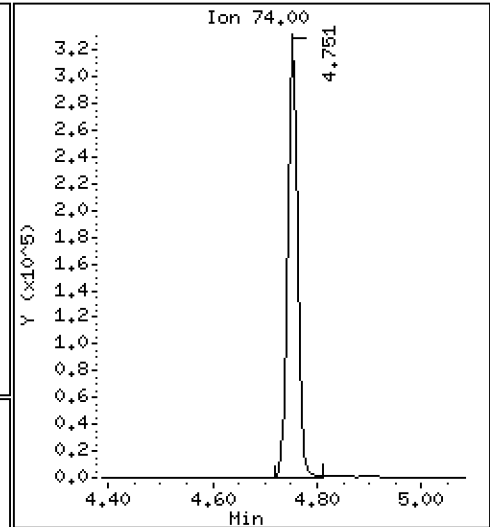
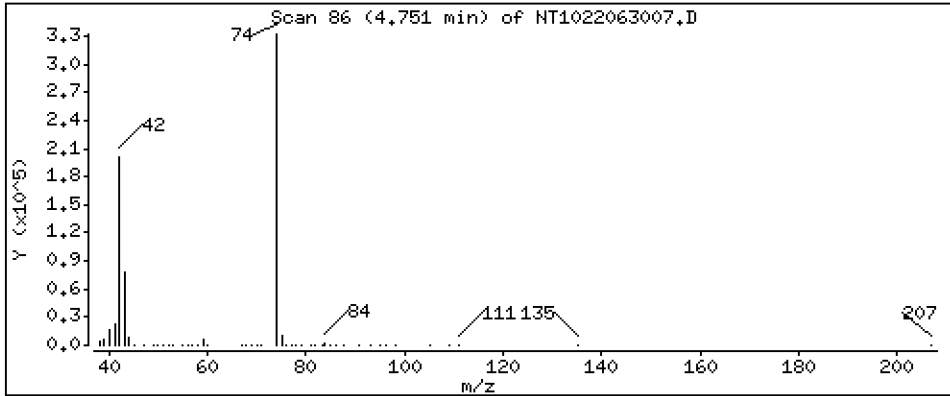
Operator: VTS

Column phase: ZB-5msi

Column diameter: 0.25

90 N-Nitrosodimethylamine

Concentration: 7.946 ug/mL



Date : 30-JUN-2022 17:25

Client ID:

Instrument: nt10.i

Sample Info: BKF0469-BSD1

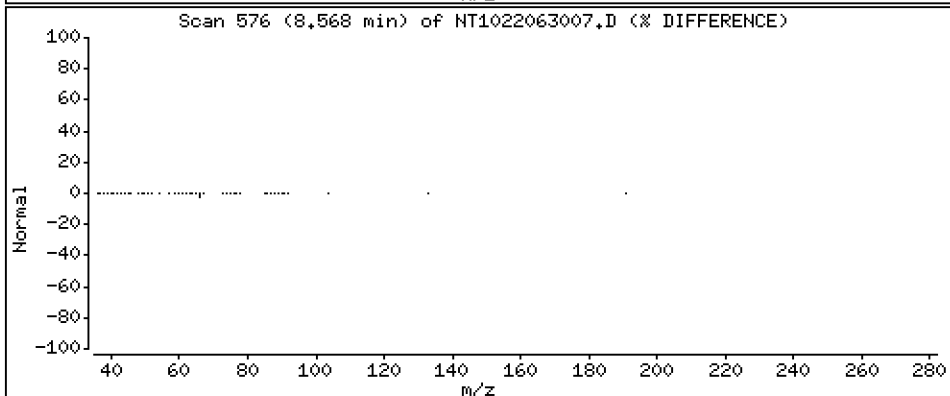
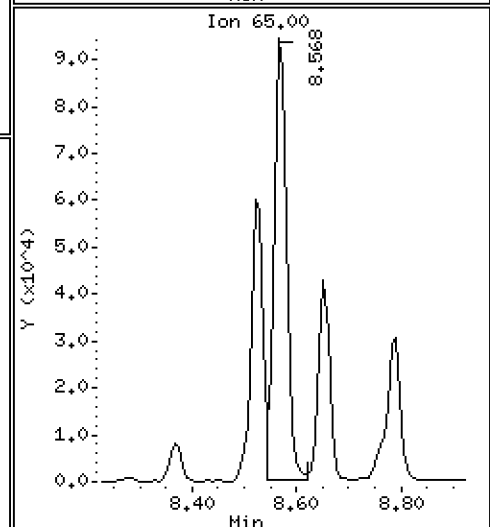
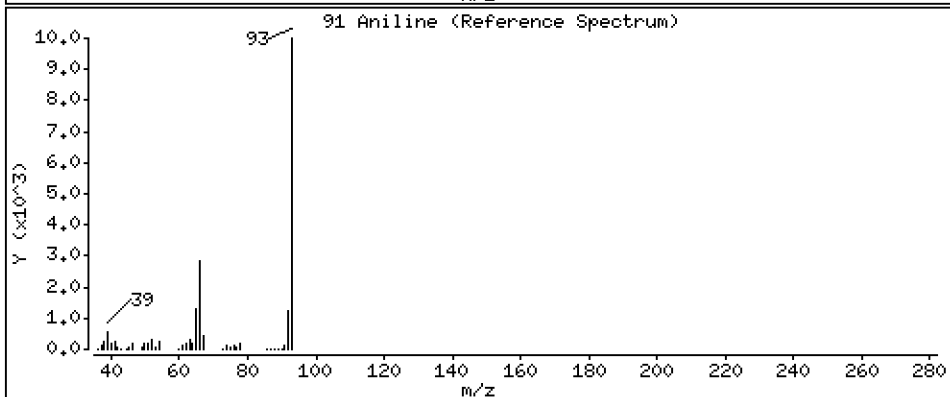
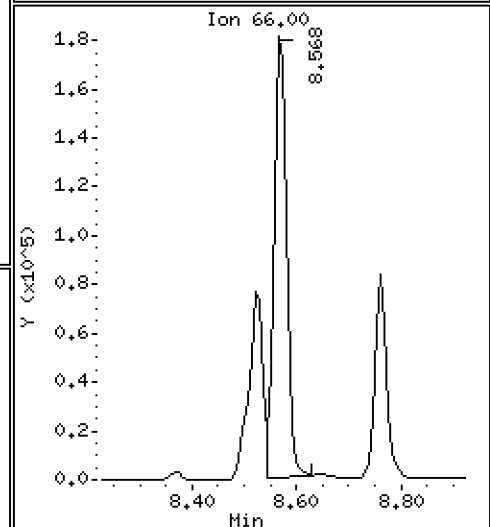
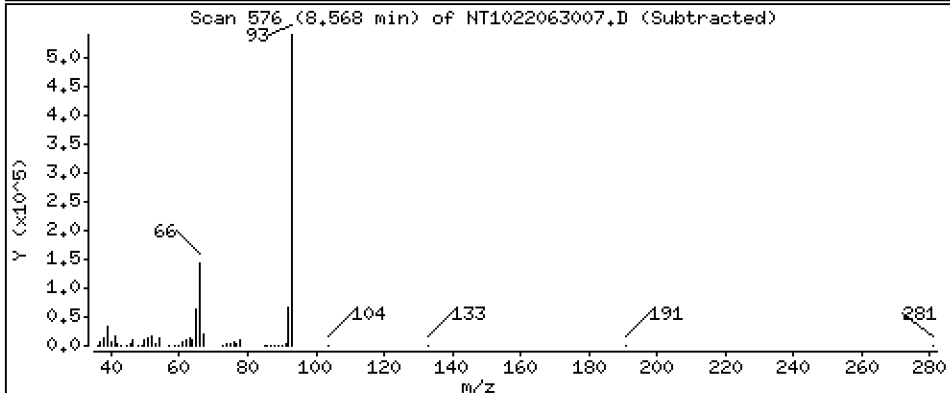
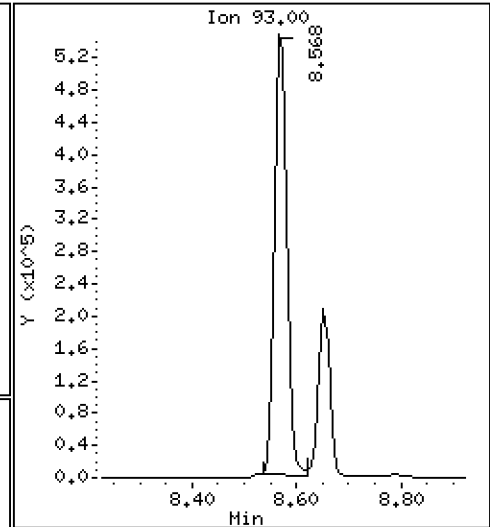
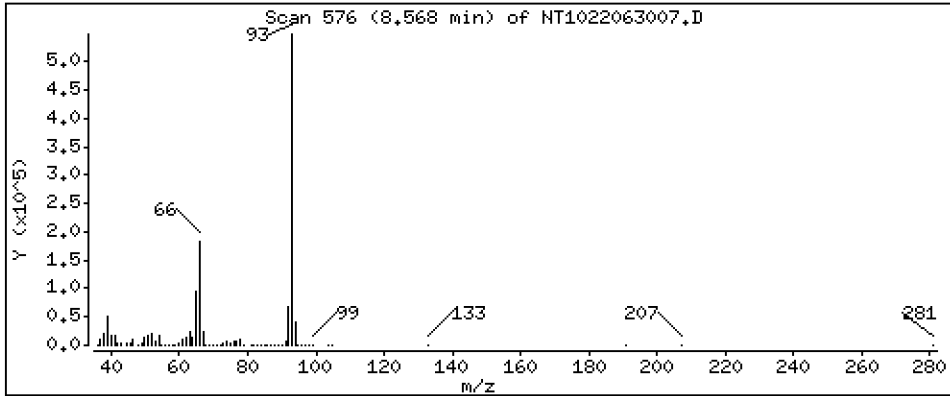
Operator: VTS

Column phase: ZB-5msi

Column diameter: 0,25

91 Aniline

Concentration: 7,775 ug/mL



Date : 30-JUN-2022 17:25

Client ID:

Instrument: nt10.i

Sample Info: BKF0469-BSD1

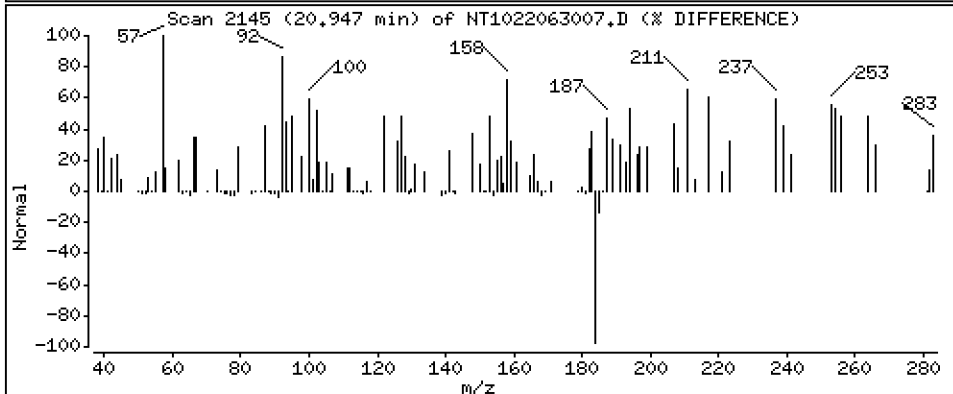
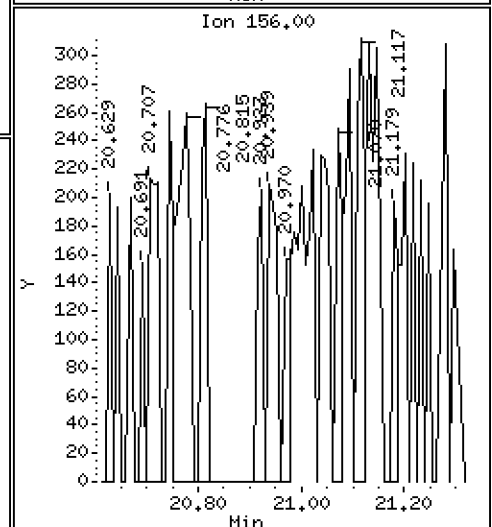
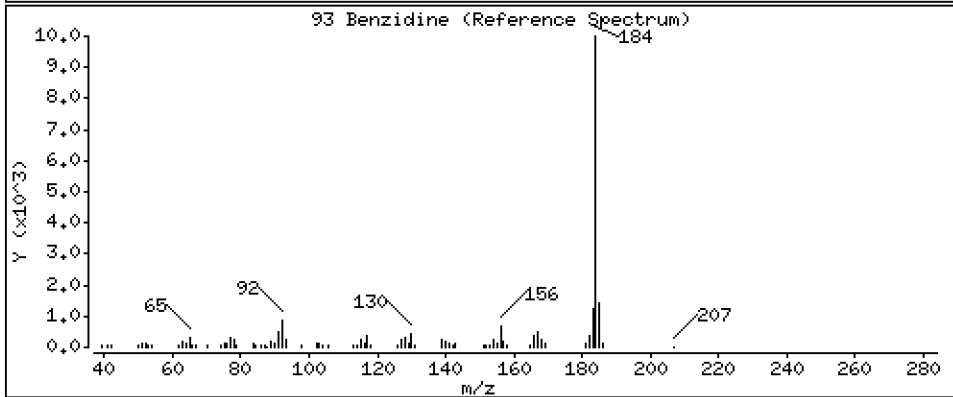
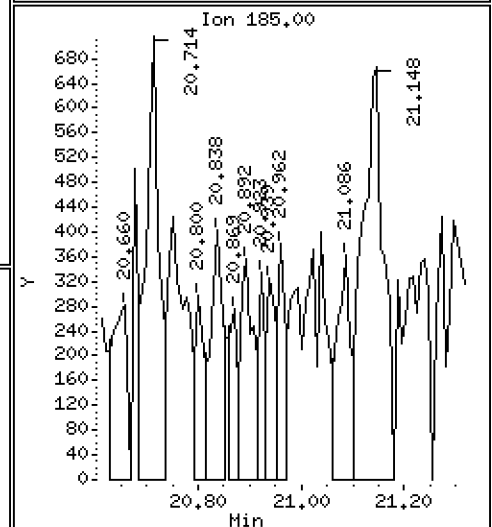
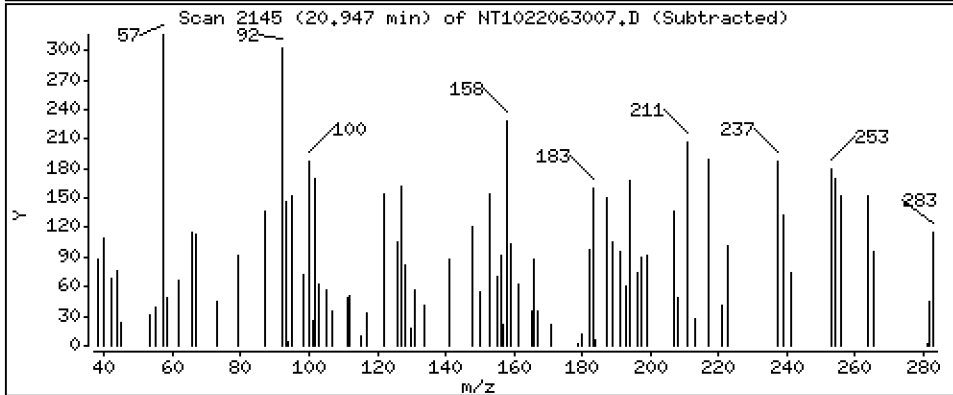
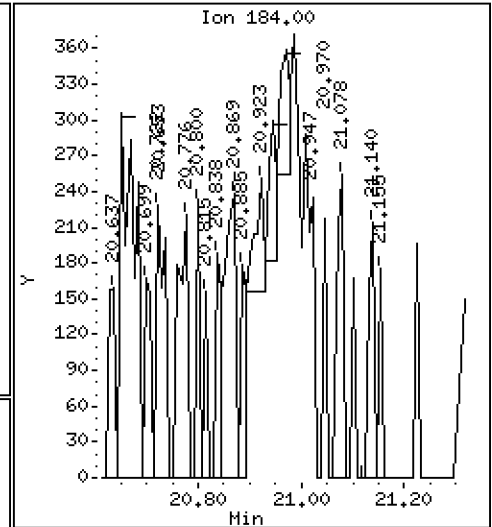
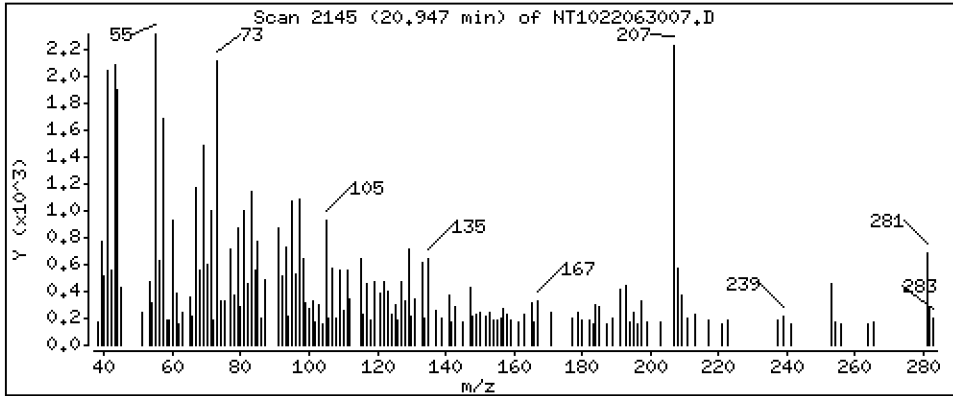
Operator: VTS

Column phase: ZB-5msi

Column diameter: 0,25

Concentration: 0,002349 ug/mL

93 Benzidine



Date : 30-JUN-2022 17:25

Client ID:

Instrument: nt10.i

Sample Info: BKF0469-BSD1

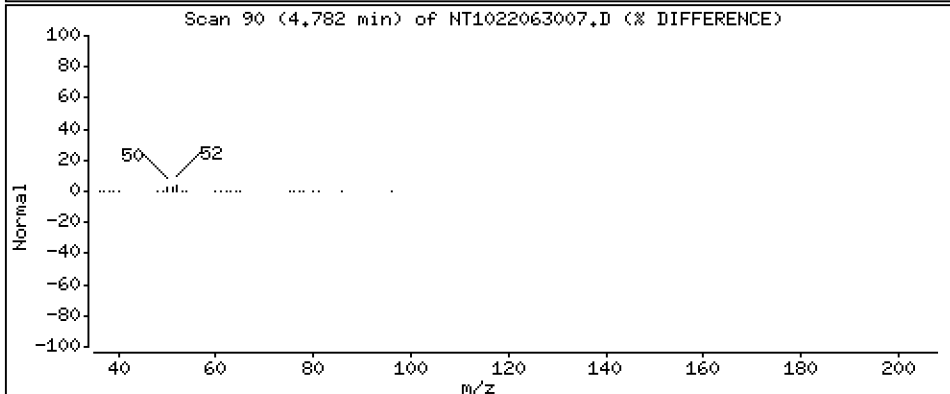
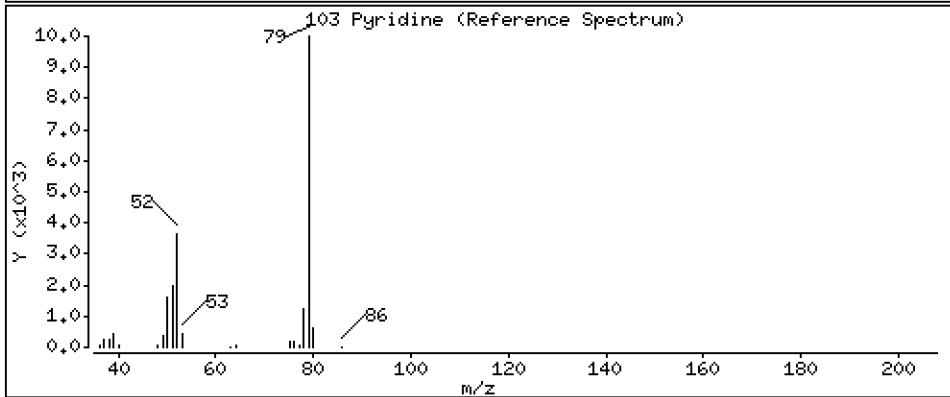
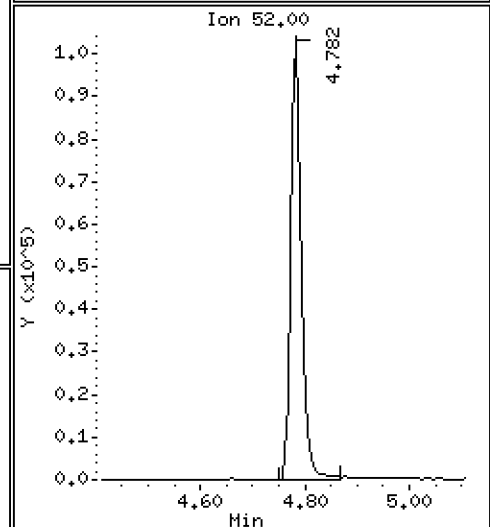
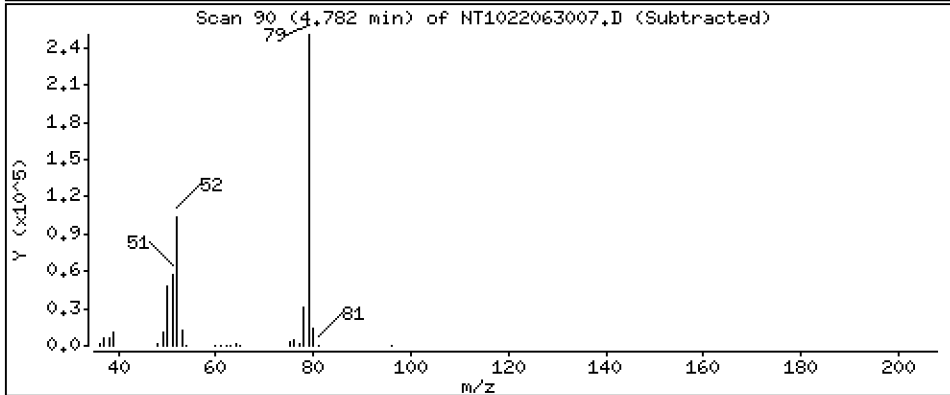
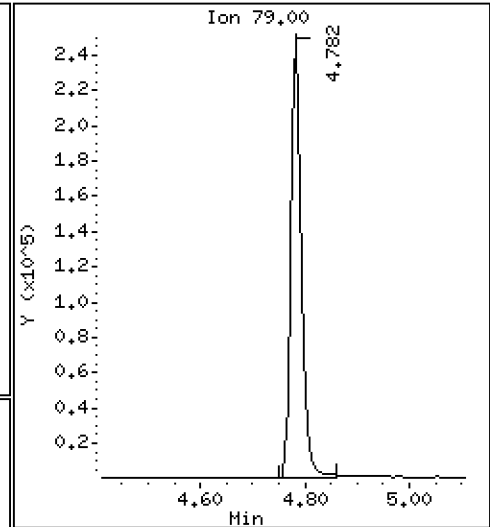
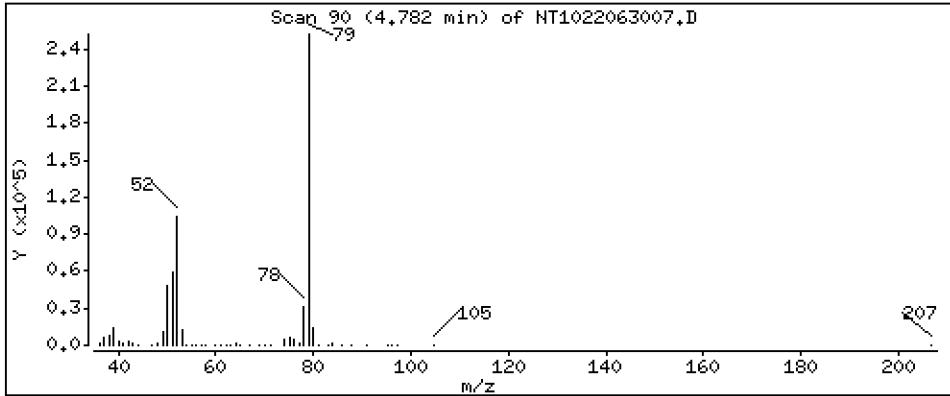
Operator: VTS

Column phase: ZB-5msi

Column diameter: 0,25

103 Pyridine

Concentration: 2,248 ug/mL



Date : 30-JUN-2022 17:25

Client ID:

Instrument: nt10.i

Sample Info: BKF0469-BSD1

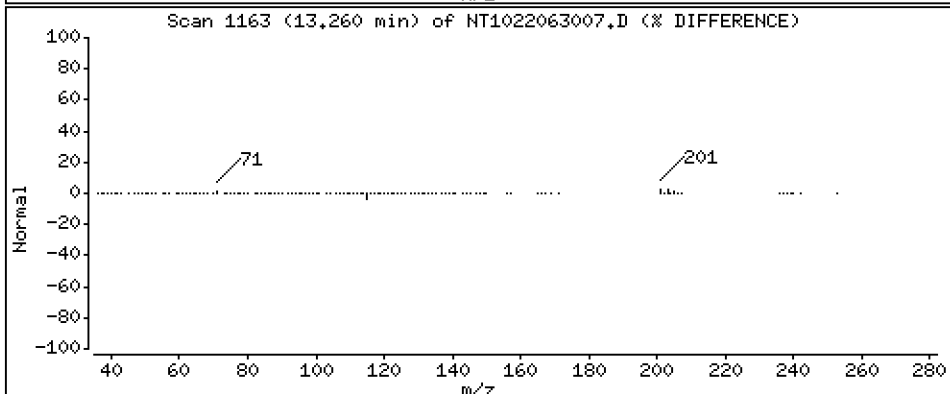
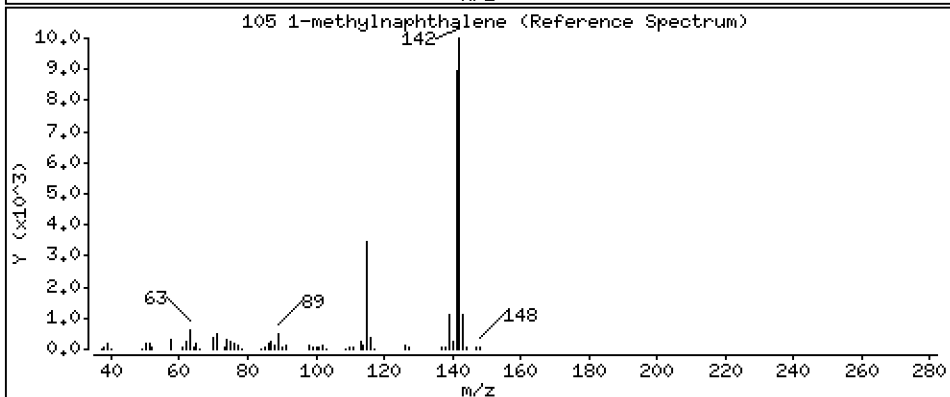
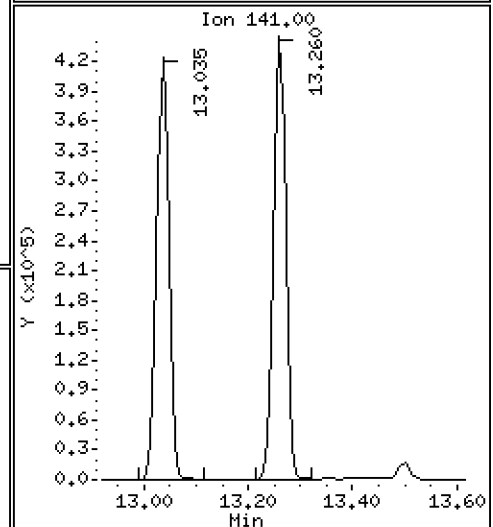
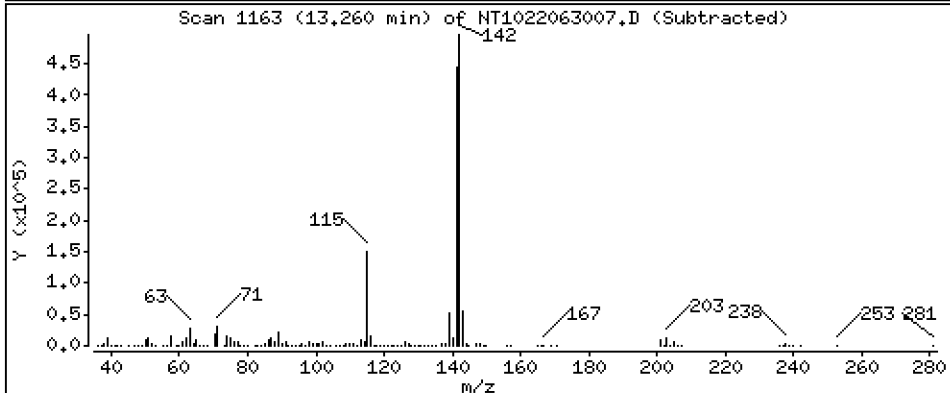
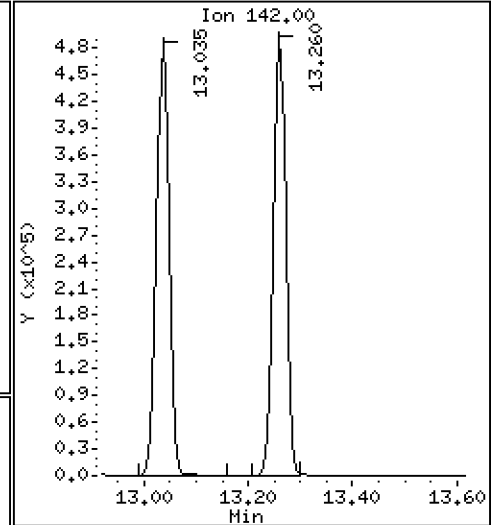
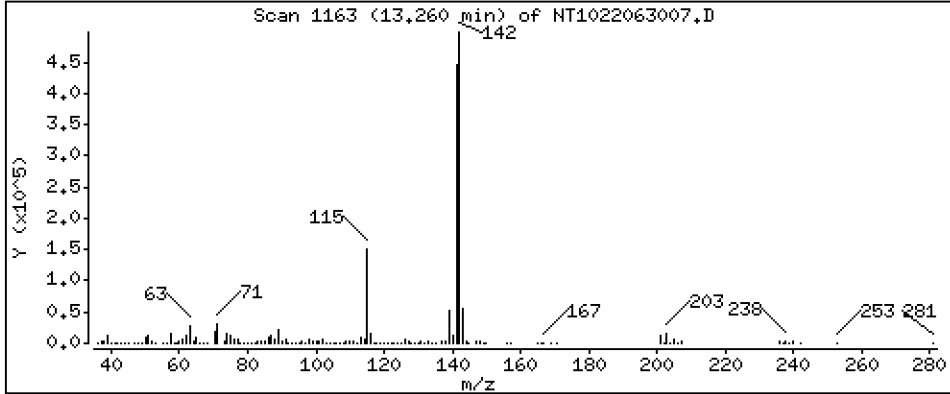
Operator: VTS

Column phase: ZB-5msi

Column diameter: 0,25

105 1-methylnaphthalene

Concentration: 3,914 ug/mL



Date : 30-JUN-2022 17:25

Client ID:

Instrument: nt10.i

Sample Info: BKF0469-BSD1

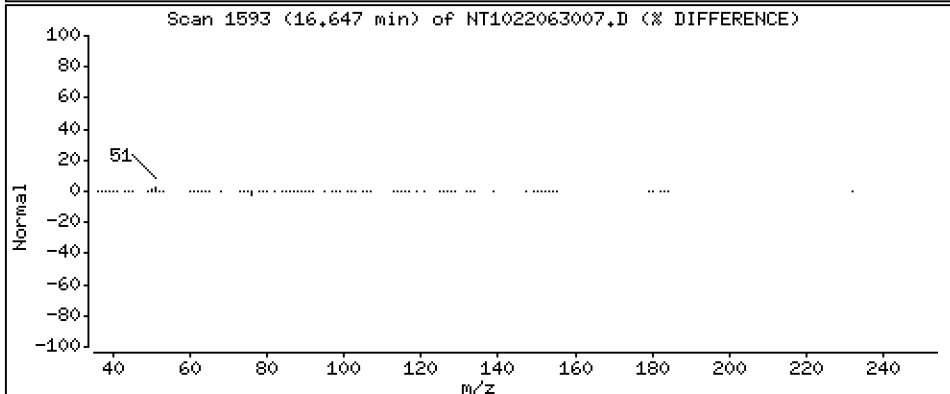
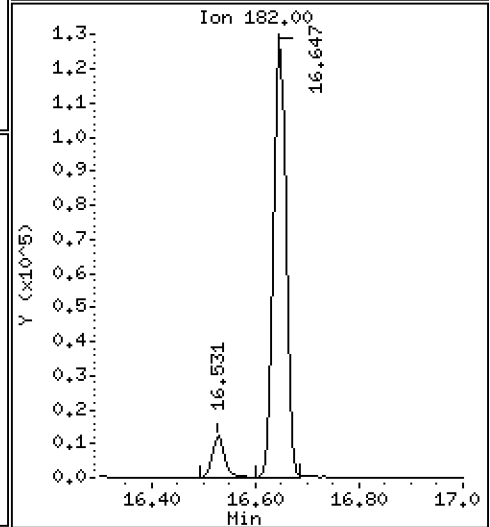
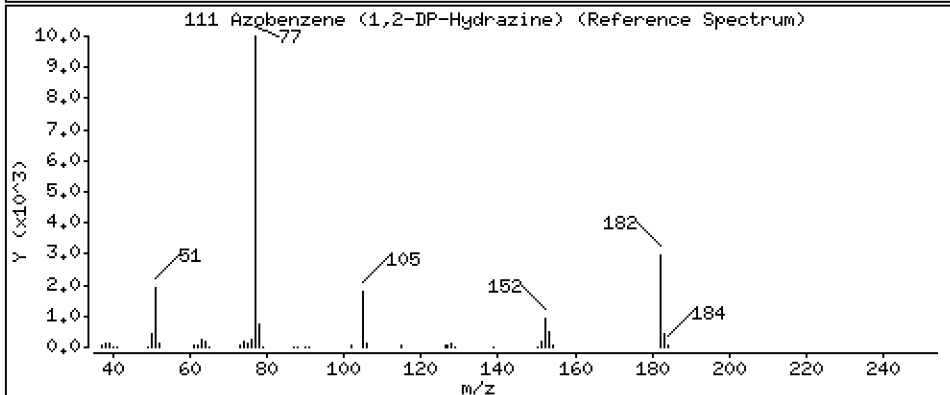
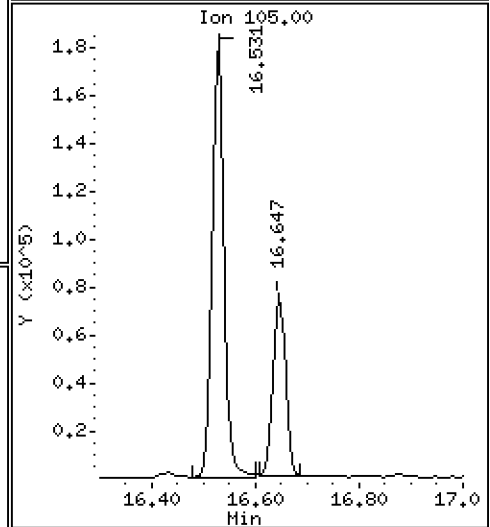
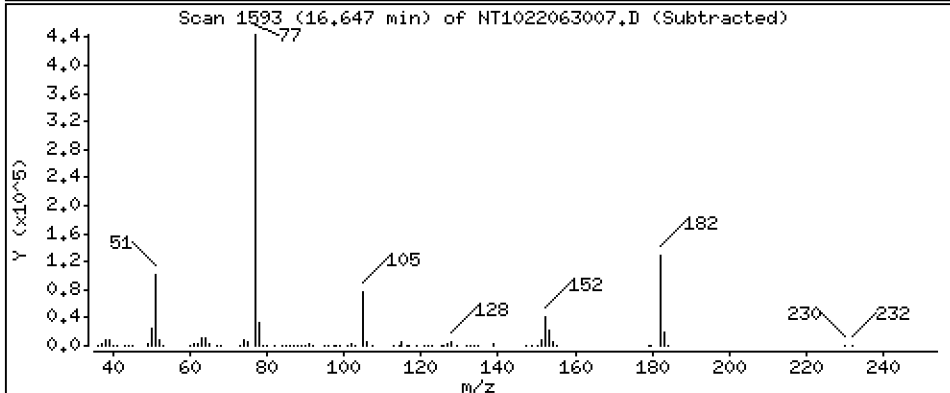
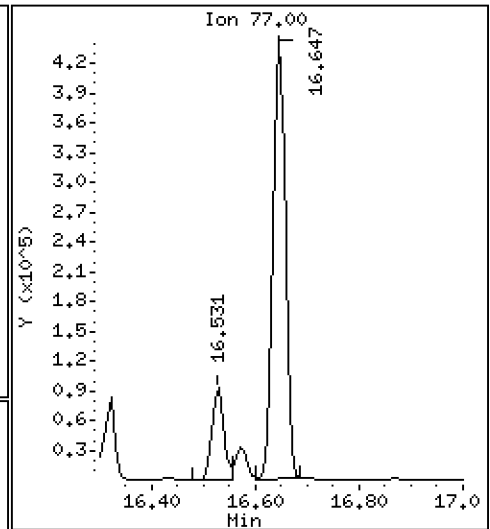
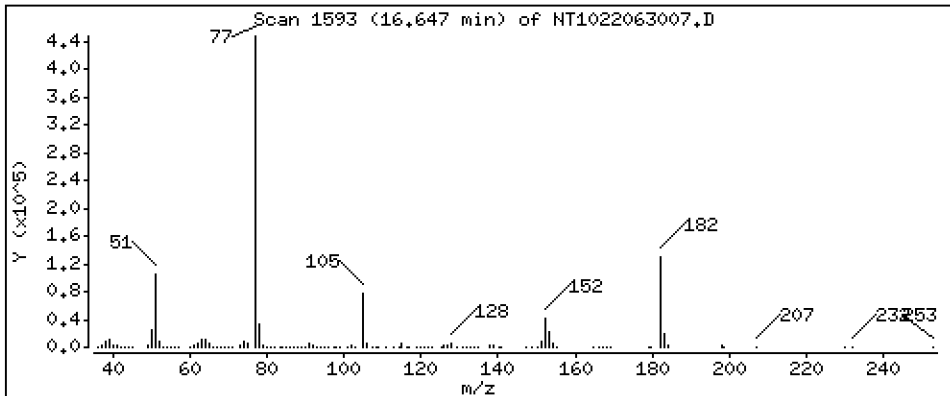
Operator: VTS

Column phase: ZB-5msi

Column diameter: 0,25

111 Azobenzene (1,2-DP-Hydrazine)

Concentration: 3,800 ug/mL



Date : 30-JUN-2022 17:25

Client ID:

Instrument: nt10.i

Sample Info: BKF0469-BSD1

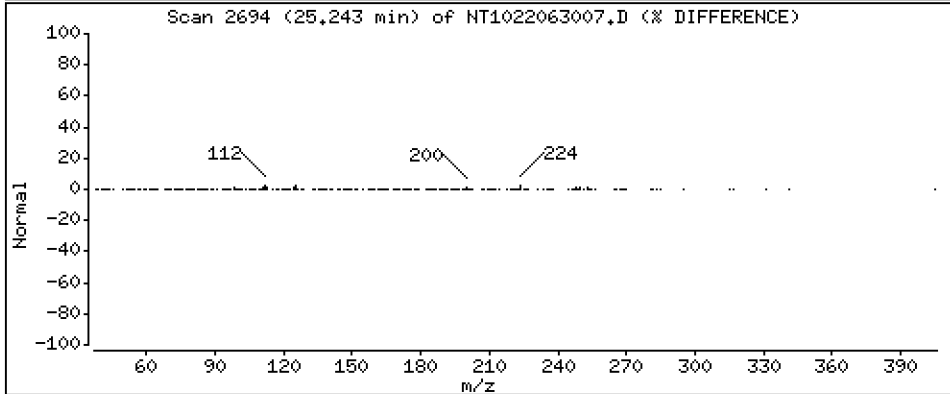
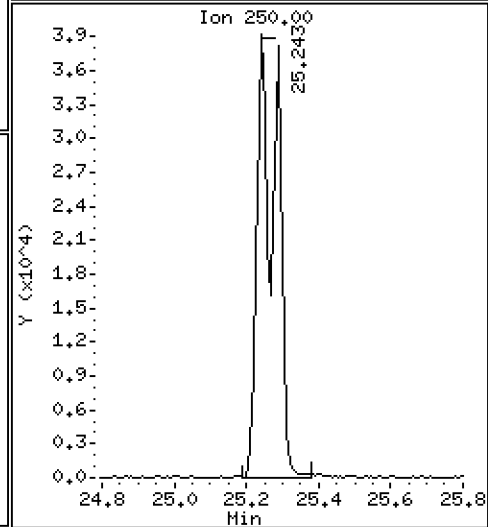
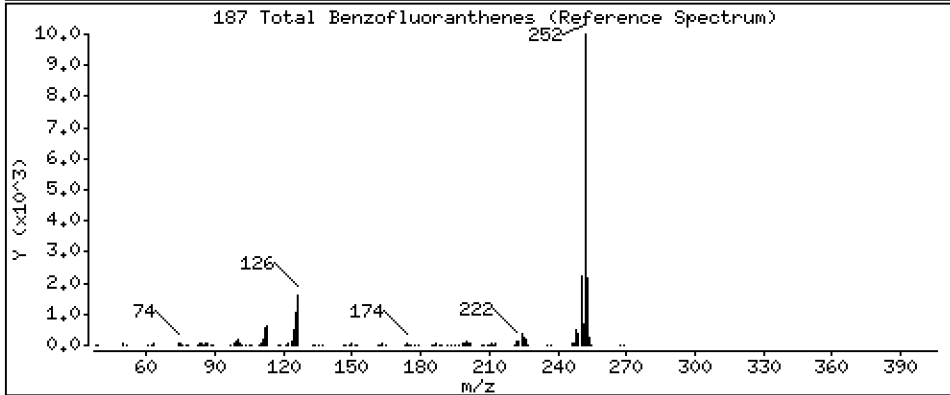
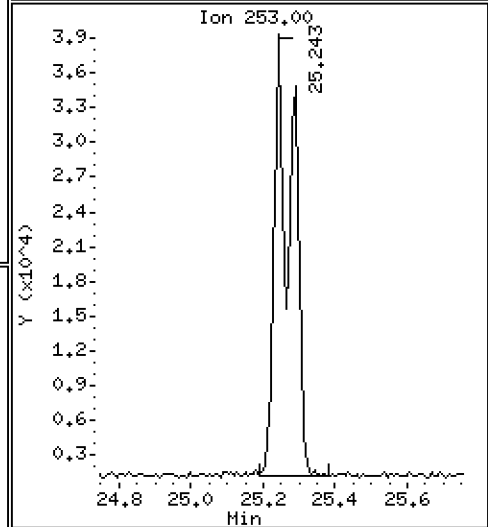
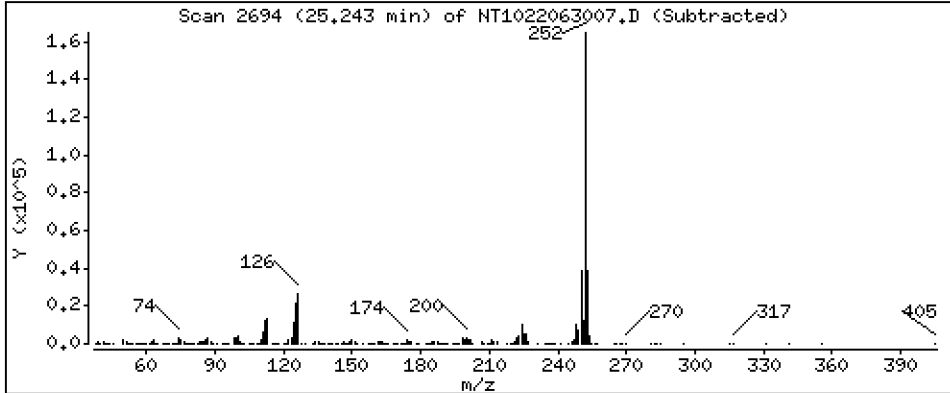
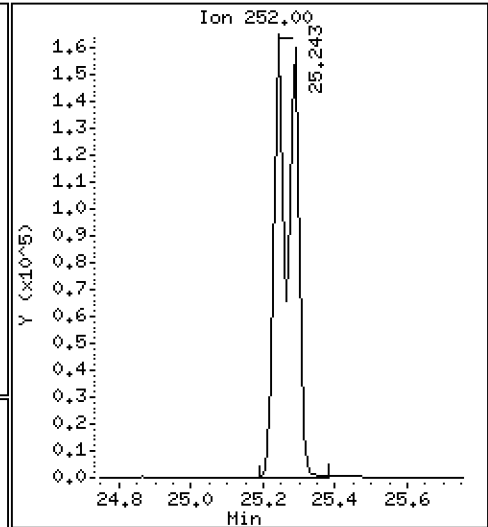
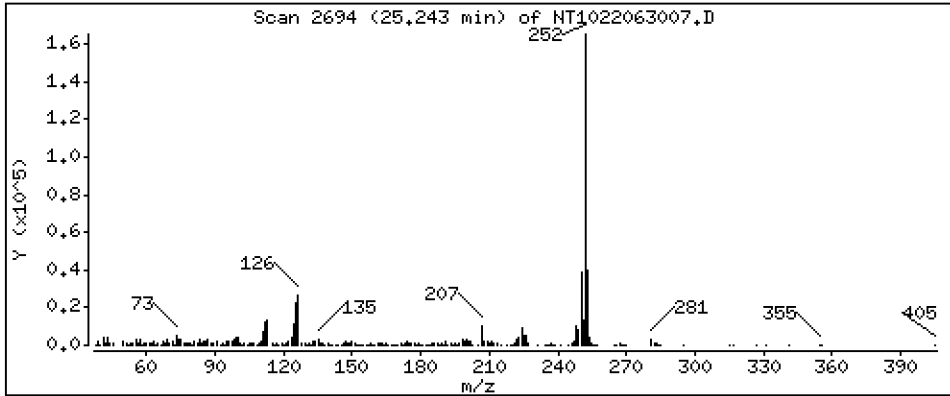
Operator: VTS

Column phase: ZB-5msi

Column diameter: 0,25

187 Total Benzofluoranthenes

Concentration: 6,735 ug/mL



Date : 30-JUN-2022 17:25

Client ID:

Instrument: nt10.i

Sample Info: BKF0469-BSD1

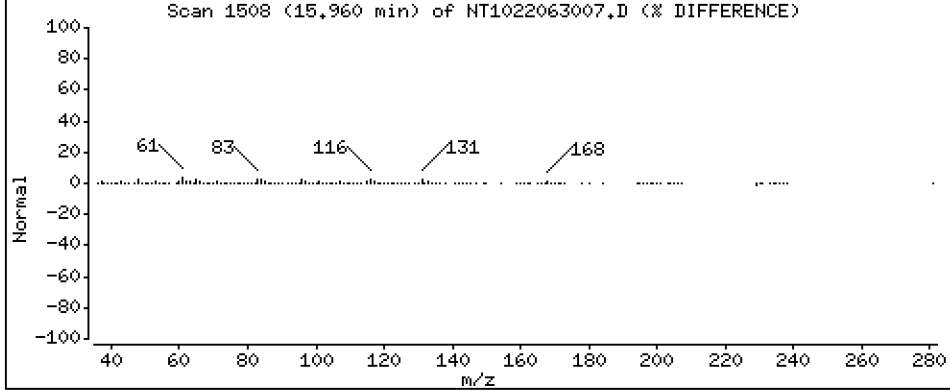
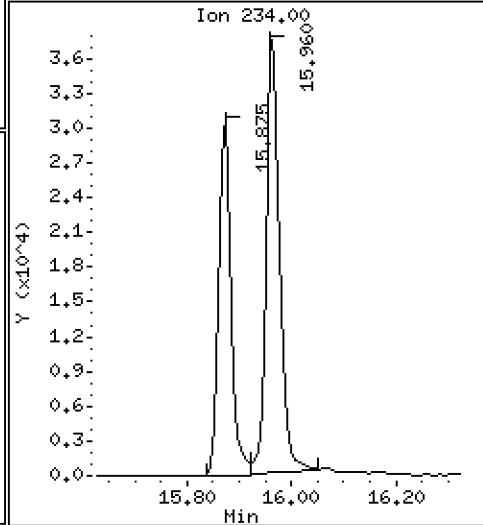
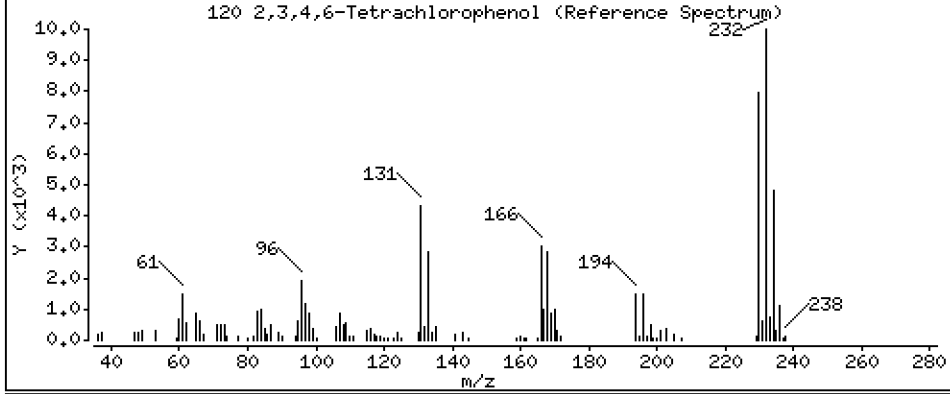
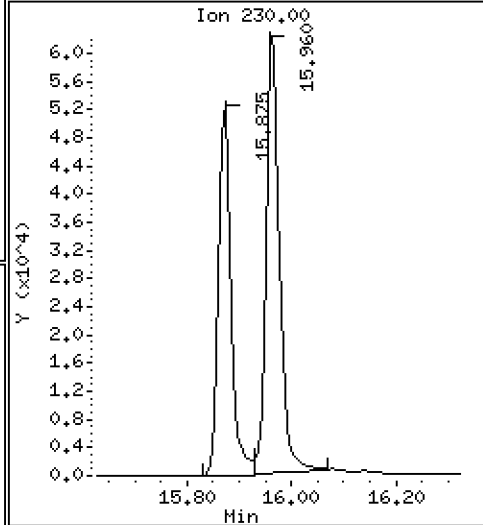
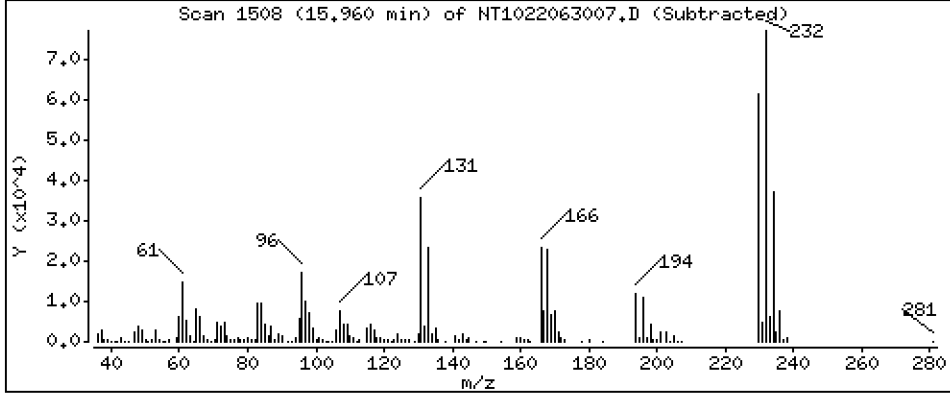
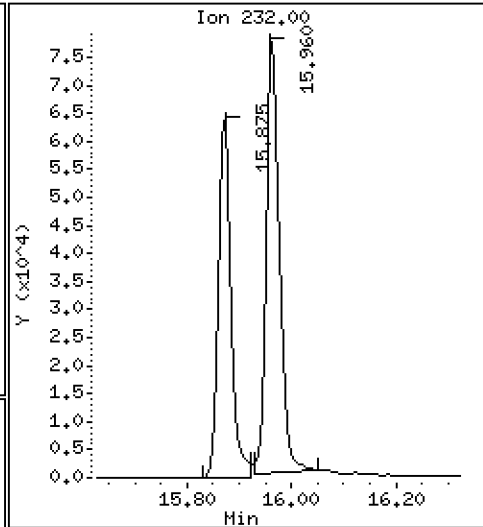
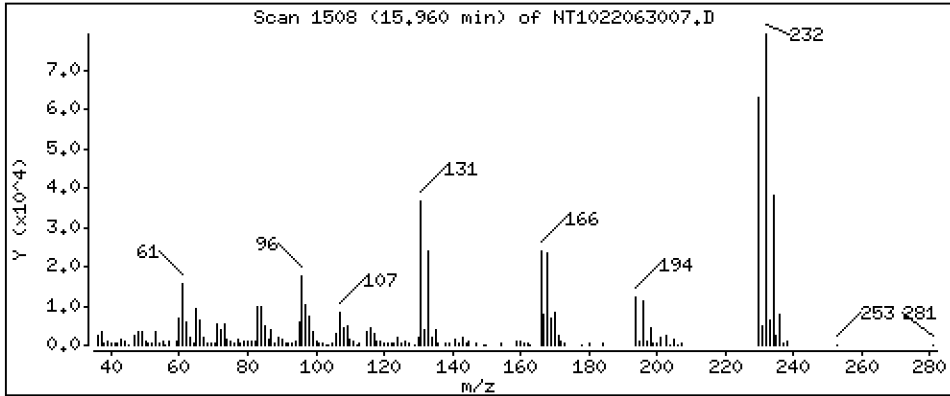
Operator: VTS

Column phase: ZB-5msi

Column diameter: 0,25

120 2,3,4,6-Tetrachlorophenol

Concentration: 3,418 ug/mL



ARI Labs, Inc.

Semivolatile Report SW846 Method 8270D

Data file : \\target\share\chem3\nt10.i\20220630.b\NT1022063007.D
 Lab Smp Id: BKF0469-BSD1
 Inj Date : 30-JUN-2022 17:25
 Operator : VTS
 Smp Info : BKF0469-BSD1
 Misc Info :
 Comment : 1ul Injection
 Method : \\target\share\chem3\nt10.i\20220630.b\ABN.m
 Meth Date : 01-Jul-2022 17:13 yev
 Cal Date : 23-JUN-2022 13:07
 Als bottle: 6
 Dil Factor: 1.00000
 Integrator: HP RTE
 Target Version: 4.14
 Processing Host: ORGDATA102

Inst ID: nt10.i

Quant Type: ISTD
 Cal File: NT1022062308.D

Compound Sublist: ICAL.sub

Compounds	QUANT	SIG	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS	
							ON-COLUMN	FINAL
	MASS						(ug/mL)	(ug/mL)
\$ 1 2-Fluorophenol	112		6.921	6.922	(0.760)	509119	5.89783	5.898
\$ 2 Phenol-d5	99		8.505	8.513	(0.934)	776833	6.06500	6.065
3 Phenol	94		8.529	8.529	(0.936)	379757	3.40251	3.403
\$ 5 2-Chlorophenol-d4	132		8.760	8.768	(0.962)	562910	6.39976	6.400
4 Bis(2-Chloroethyl)ether	93		8.652	8.660	(0.950)	302106	3.76106	3.761
6 2-Chlorophenol	128		8.791	8.791	(0.965)	318083	3.57477	3.575
7 1,3-Dichlorobenzene	146		9.047	9.055	(0.993)	329918	3.42808	3.428
* 8 1,4-Dichlorobenzene-d4	152		9.109	9.117	(1.000)	236402	4.00000	
9 1,4-Dichlorobenzene	146		9.140	9.148	(1.003)	273953	3.61121	3.611
\$ 10 1,2-Dichlorobenzene-d4	152		9.473	9.474	(1.040)	228324	4.21264	4.213
12 1,2-Dichlorobenzene	146		9.497	9.505	(1.043)	292093	3.62696	3.627
11 Benzyl alcohol	108		9.388	9.396	(1.031)	178556	4.01600	4.016
14 2,2'-oxybis(1-Chloropropane)	121		9.675	9.683	(1.062)	98715	5.18314	5.183
13 2-Methylphenol	108		9.629	9.637	(1.057)	231210	3.35989	3.360
17 Hexachloroethane	117		10.087	10.087	(1.107)	131096	3.87663	3.877
16 N-Nitroso-di-n-propylamine	70		9.931	9.939	(1.090)	150441	3.14345	3.143
15 4-Methylphenol	108		9.900	9.901	(1.087)	263242	3.57950	3.579
\$ 18 Nitrobenzene-d5	82		10.203	10.211	(0.880)	370764	4.45011	4.450
19 Nitrobenzene	77		10.234	10.242	(0.883)	321255	3.82565	3.826
20 Isophorone	82		10.684	10.692	(0.921)	690984	5.68814	5.688
21 2-Nitrophenol	139		10.868	10.876	(0.937)	216019	4.07271	4.073
22 2,4-Dimethylphenol	107		10.936	10.944	(0.943)	561824	8.71945	8.719
23 Bis(2-Chloroethoxy)methane	93		11.114	11.123	(0.958)	302479	4.14446	4.144
24 Benzoic acid	105		11.173	11.123	(0.964)	654415	19.0304	19.03
25 2,4-Dichlorophenol	162		11.343	11.352	(0.978)	852833	13.0232	13.02
26 1,2,4-Trichlorobenzene	180		11.511	11.519	(0.993)	237734	3.38214	3.382
* 27 Naphthalene-d8	136		11.596	11.604	(1.000)	782997	4.00000	
28 Naphthalene	128		11.635	11.643	(1.003)	711569	3.55086	3.551
29 4-Chloroaniline	127		11.774	11.774	(1.015)	970770	10.9712	10.97
30 Hexachlorobutadiene	225		11.990	11.998	(1.034)	131101	3.90961	3.910
31 4-Chloro-3-methylphenol	107		12.756	12.764	(1.100)	1060636	13.2729	13.27
32 2-Methylnaphthalene	142		13.035	13.043	(1.124)	779790	3.91534	3.915
33 Hexachlorocyclopentadiene	237		13.499	13.507	(0.887)	182980	6.83507	6.835

Compounds	QUANT SIG				CONCENTRATIONS		
	MASS	RT	EXP RT	REL RT	RESPONSE	ON-COLUMN (ug/mL)	FINAL (ug/mL)
34 2,4,6-Trichlorophenol	196	13.669	13.677	(0.898)	757394	14.7572	14.76
35 2,4,5-Trichlorophenol	196	13.755	13.770	(0.904)	791075	12.9885	12.99
\$ 36 2-Fluorobiphenyl	172	13.817	13.824	(0.908)	918760	4.49592	4.496
37 2-Chloronaphthalene	162	14.033	14.041	(0.922)	704256	3.90930	3.909
38 2-Nitroaniline	65	14.296	14.304	(0.939)	636611	13.2109	13.21
39 Dimethylphthalate	163	14.722	14.730	(0.967)	606559	3.83016	3.830
40 Acenaphthylene	152	14.908	14.916	(0.980)	822572	3.11610	3.116
41 2,6-Dinitrotoluene	165	14.861	14.869	(0.977)	476201	12.9473	12.95
* 42 Acenaphthene-d10	164	15.217	15.225	(1.000)	451584	4.00000	
43 3-Nitroaniline	138	15.155	15.163	(0.996)	530472	12.2517	12.25
44 Acenaphthene	153	15.287	15.295	(1.005)	486165	3.70178	3.702
45 2,4-Dinitrophenol	184	15.372	15.387	(1.010)	286236	16.8677	16.87
46 Dibenzofuran	168	15.619	15.619	(1.026)	851315	4.07877	4.079
47 4-Nitrophenol	109	15.526	15.550	(1.020)	189205	13.0067	13.01
48 2,4-Dinitrotoluene	165	15.681	15.689	(1.030)	678516	13.8027	13.80
50 Diethylphthalate	149	16.184	16.191	(1.063)	584974	4.30604	4.306
49 Fluorene	166	16.331	16.338	(1.073)	772317	3.09675	3.097
51 4-Chlorophenyl-phenylether	204	16.323	16.331	(1.073)	214019	1.95413	1.954
52 4-Nitroaniline	138	16.431	16.439	(1.080)	565188	13.0328	13.03
53 4,6-Dinitro-2-methylphenol	198	16.531	16.539	(0.905)	730583	24.3101	24.31
54 N-Nitrosodiphenylamine	169	16.570	16.577	(0.907)	451905	3.72864	3.729
\$ 55 2,4,6-Tribromophenol	330	16.870	16.878	(1.109)	153853	7.47640	7.476
56 4-Bromophenyl-phenylether	248	17.325	17.333	(0.948)	247569	4.40879	4.409
57 Hexachlorobenzene	284	17.650	17.658	(0.966)	203651	3.92475	3.925
58 Pentachlorophenol	266	18.021	18.029	(0.986)	129004	10.6365	10.64
* 59 Phenanthrene-d10	188	18.269	18.277	(1.000)	770780	4.00000	
60 Phenanthrene	178	18.323	18.331	(1.003)	753286	3.71996	3.720
61 Anthracene	178	18.408	18.424	(1.008)	813223	3.76850	3.769
62 Carbazole	167	18.749	18.757	(1.026)	934197	4.69252	4.693
63 Di-n-butylphthalate	149	19.546	19.554	(1.070)	1368660	4.44699	4.447
64 Fluoranthene	202	20.714	20.722	(0.887)	1146285	4.40443	4.404
65 Pyrene	202	21.139	21.147	(0.905)	1115284	4.86009	4.860
\$ 66 Terphenyl-d14	244	21.426	21.434	(0.918)	690284	5.52809	5.528
67 Butylbenzylphthalate	149	22.355	22.363	(0.958)	349851	4.83984	4.840
68 Benzo(a)anthracene	228	23.315	23.331	(0.999)	503106	3.31812	3.318
* 69 Chrysene-d12	240	23.346	23.354	(1.000)	357819	4.00000	
70 3,3'-Dichlorobenzidine	252	23.276	23.284	(0.997)	538457	10.8982	10.90
71 Chrysene	228	23.393	23.400	(1.002)	393304	3.76830	3.768
72 bis(2-Ethylhexyl)phthalate	149	23.393	23.400	(0.959)	356080	4.99912	4.999
* 134 Di-n-octylphthalate-d4	153	24.399	24.407	(1.000)	644418	4.00000	
73 Di-n-octylphthalate	149	24.407	24.415	(1.000)	595160	4.06336	4.063
74 Benzo(b)fluoranthene	252	25.243	25.251	(0.970)	331365	3.44143	3.441
75 Benzo(k)fluoranthene	252	25.289	25.297	(0.971)	301438	3.25569	3.256
76 Benzo(a)pyrene	252	25.916	25.924	(0.996)	269662	3.42186	3.422
* 77 Perylene-d12	264	26.033	26.041	(1.000)	212609	4.00000	
78 Indeno(1,2,3-cd)pyrene	276	28.791	28.806	(1.106)	273636	3.25208	3.252
79 Dibenzo(a,h)anthracene	278	28.798	28.814	(1.106)	219492	3.40754	3.408
80 Benzo(g,h,i)perylene	276	29.606	29.622	(1.137)	226338	3.36511	3.365
90 N-Nitrosodimethylamine	74	4.751	4.736	(0.522)	448802	7.94626	7.946
91 Aniline	93	8.567	8.575	(0.941)	867905	7.77503	7.775
93 Benzidine	184	20.946	20.962	(0.897)	124	0.00235	0.002349
103 Pyridine	79	4.782	4.759	(0.525)	359892	2.24785	2.248
105 1-methylnaphthalene	142	13.259	13.267	(1.143)	765910	3.91432	3.914
111 Azobenzene (1,2-DP-Hydrazine)	77	16.647	16.655	(1.094)	685405	3.80030	3.800

Compounds	QUANT SIG	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS	
						ON-COLUMN (ug/mL)	FINAL (ug/mL)
187 Total Benzofluoranthenes	252	25.243	25.251	(0.970)	604628	6.73476	6.735
120 2,3,4,6-Tetrachlorophenol	232	15.959	15.975	(1.049)	135111	3.41765	3.418

ARI Labs, Inc.

INTERNAL STANDARD COMPOUNDS
 AREA AND RT SUMMARY

Instrument ID: nt10.i Calibration Date: 30-JUN-2022
 Lab File ID: NT1022063007.D Calibration Time: 14:09
 Lab Smp Id: BKF0469-BSD1
 Analysis Type: SV Level:
 Quant Type: ISTD Sample Type:
 Operator: VTS
 Method File: \\target\share\chem3\nt10.i\20220630.b\ABN.m
 Misc Info:

Test Mode:
 Use Last Continuing Calibrator.

COMPOUND	STANDARD	AREA LIMIT		SAMPLE	%DIFF
		LOWER	UPPER		
8 1,4-Dichlorobenze	207392	103696	414784	236402	13.99
27 Naphthalene-d8	696938	348469	1393876	782997	12.35
42 Acenaphthene-d10	395441	197721	790882	451584	14.20
59 Phenanthrene-d10	603067	301534	1206134	770780	27.81
69 Chrysene-d12	148146	74073	296292	357819	141.53 <-
134 Di-n-octylphthala	308009	154005	616018	644418	109.22 <-
77 Perylene-d12	115550	57775	231100	212609	84.00

COMPOUND	STANDARD	RT LIMIT		SAMPLE	%DIFF
		LOWER	UPPER		
8 1,4-Dichlorobenze	9.12	8.62	9.62	9.11	-0.09
27 Naphthalene-d8	11.60	11.10	12.10	11.60	-0.07
42 Acenaphthene-d10	15.23	14.73	15.73	15.22	-0.05
59 Phenanthrene-d10	18.28	17.78	18.78	18.27	-0.04
69 Chrysene-d12	23.35	22.85	23.85	23.35	-0.03
134 Di-n-octylphthala	24.41	23.91	24.91	24.40	-0.03
77 Perylene-d12	26.04	25.54	26.54	26.03	-0.03

AREA UPPER LIMIT = +100% of internal standard area.
 AREA LOWER LIMIT = - 50% of internal standard area.
 RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
 RT LOWER LIMIT = - 0.50 minutes of internal standard RT.

REVIEW SUMMARY FOR FILE - NT1022063007.D

Lab ID: BKF0469-BSD1
nt10.i, ABN.m, 30-JUN-2022 17:25

RT CO-ELUTION COMPOUNDS

NO CO-ELUTIONS

Quant Method: ICAL

RRT CHECK

RRT	CCV RRT	DELTA	COMPOUND
0.964	0.959	0.0050	Benzoic acid

RRT check based on Ccal File: NT1022063002.D

On Column LOD for nt10.i, ABN.m, ICAL.sub = 0.0000

* Only compounds listed in the work order have been verified by the analyst *



MS / MS DUPLICATE RECOVERY
EPA 8270E

Laboratory: Analytical Resources, LLC
Client: GeoEngineers
Matrix: Solid
Batch: BKF0469
Preparation: EPA 3546 (Microwave)
Initial/Final: 19.55 g / 1 mL

SDG: 22F0267
Project: RG Haley Site-Bellingham
Analyzed: 06/30/22 18:44
Laboratory ID: BKF0469-MS1
Sequence Name: Matrix Spike
Source Sample: Z1A-3-MS

COMPOUND	SPIKE ADDED (ug/kg dry)	SAMPLE CONCENTRATION (ug/kg dry)	Q	MS CONCENTRATION (ug/kg dry)	Q	MS % REC. #	QC LIMITS REC.
Naphthalene	500	67.1		471		80.7	43 - 120
2-Methylnaphthalene	500	18.4	J	430		82.2	43 - 120
Acenaphthene	500	5.6	J	399		78.7	45 - 120
Pentachlorophenol	1300	ND	U	1750	*, Q	134 *	16 - 120
Phenanthrene	500	69.7		512		88.4	49 - 120
Fluoranthene	500	115		518		80.5	53 - 145
Benzo(a)anthracene	500	32.9		364		66.2	49 - 120
Chrysene	500	51.3		515		92.7	47 - 120
Benzo(b)fluoranthene	500	32.6		392		71.8	42 - 132
Benzo(k)fluoranthene	500	28.6		328		59.8	39 - 129
Benzo(a)pyrene	500	37.7		409		74.2	42 - 120
Indeno(1,2,3-cd)pyrene	500	20.0		204	*	36.8 *	42 - 163
Dibenzo(a,h)anthracene	500	ND	U	213		42.5	30 - 133
1-Methylnaphthalene	500	13.1	J	413		80.0	42 - 120

* Values outside of QC limits



MS / MS DUPLICATE RECOVERY
EPA 8270E

Laboratory: Analytical Resources, LLC
 Client: GeoEngineers
 Matrix: Solid
 Batch: BKF0469
 Preparation: EPA 3546 (Microwave)
 Initial/Final: 19.55 g / 1 mL

SDG: 22F0267
 Project: RG Haley Site-Bellingham
 Analyzed: 06/30/22 19:23
 Laboratory ID: BKF0469-MSD1
 Sequence Name: Matrix Spike Dup
 Source Sample: Z1A-3-MS

COMPOUND	SPIKE ADDED (ug/kg dry)	MSD CONCENTRATION (ug/kg dry)	Q	MSD % REC. #	% RPD #	QC LIMITS	
						RPD	REC.
Naphthalene	500	476		81.8	1.13	30	43 - 120
2-Methylnaphthalene	500	439		84.1	2.19	30	43 - 120
Acenaphthene	500	414		81.7	3.67	30	45 - 120
Pentachlorophenol	1300	1660	*, Q	128 *	4.94	30	16 - 120
Phenanthrene	500	499		85.9	2.52	30	49 - 120
Fluoranthene	500	426		62.0	19.6	30	53 - 145
Benzo(a)anthracene	500	357		64.7	2.10	30	49 - 120
Chrysene	500	505		90.7	1.92	30	47 - 120
Benzo(b)fluoranthene	500	392		71.8	0.0217	30	42 - 132
Benzo(k)fluoranthene	500	341		62.4	3.86	30	39 - 129
Benzo(a)pyrene	500	379		68.3	7.47	30	42 - 120
Indeno(1,2,3-cd)pyrene	500	201	*	36.1 *	1.69	30	42 - 163
Dibenzo(a,h)anthracene	500	220		43.9	3.15	30	30 - 133
1-Methylnaphthalene	500	436		84.5	5.32	30	42 - 120

* Values outside of QC limits

Data File: \\target\share\chem3\nt10.1\20220630.1\NT1022063009.D

Date: 30-JUN-2022 18:44

Client ID:

Sample Info: BKF0469-HSI

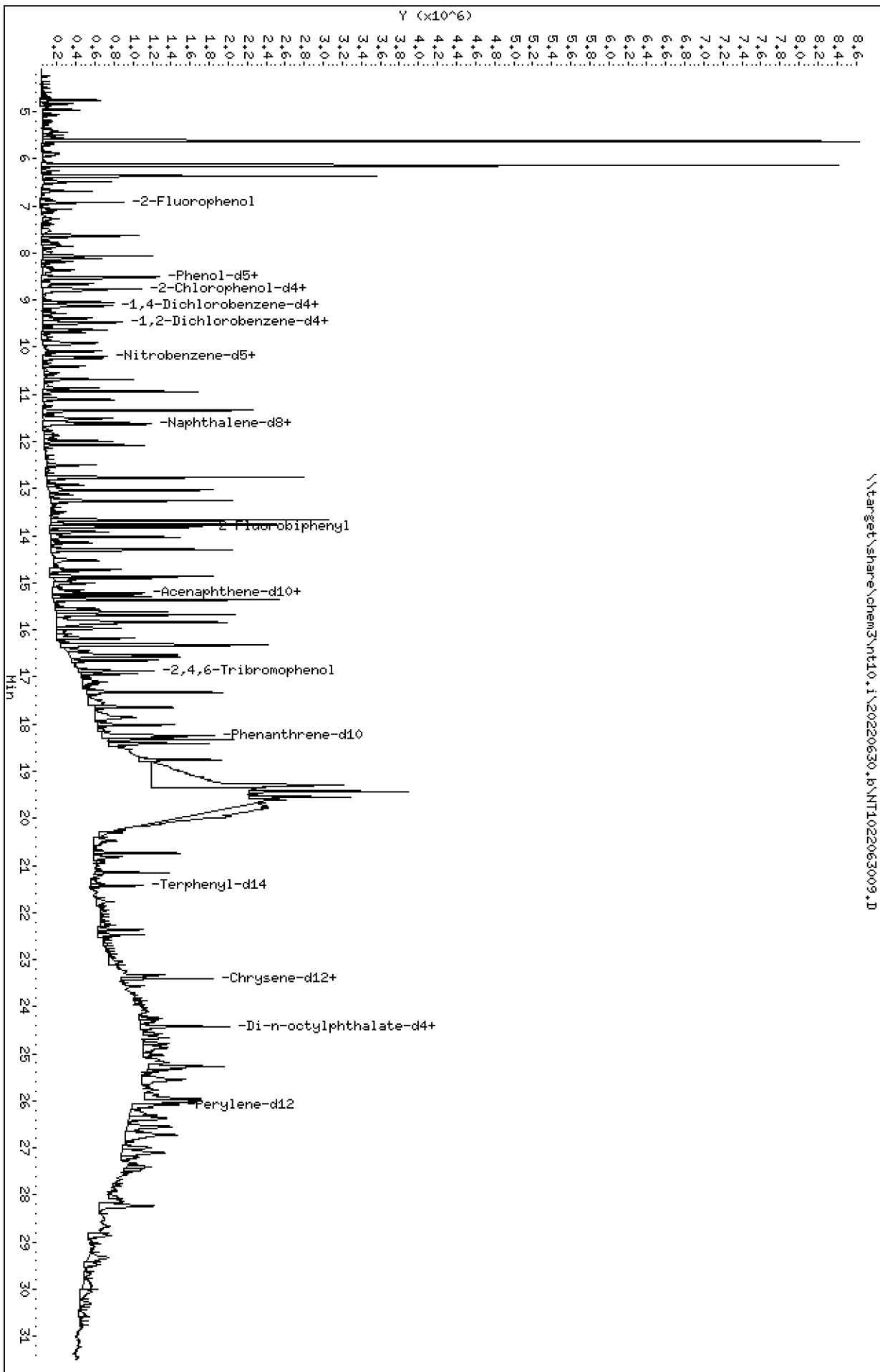
Page 1

Column phase: ZB-5msi

Instrument: nt10.1

Operator: VTS

Column diameter: 0.25



Date : 30-JUN-2022 18:44

Client ID:

Instrument: nt10.i

Sample Info: BKF0469-MS1

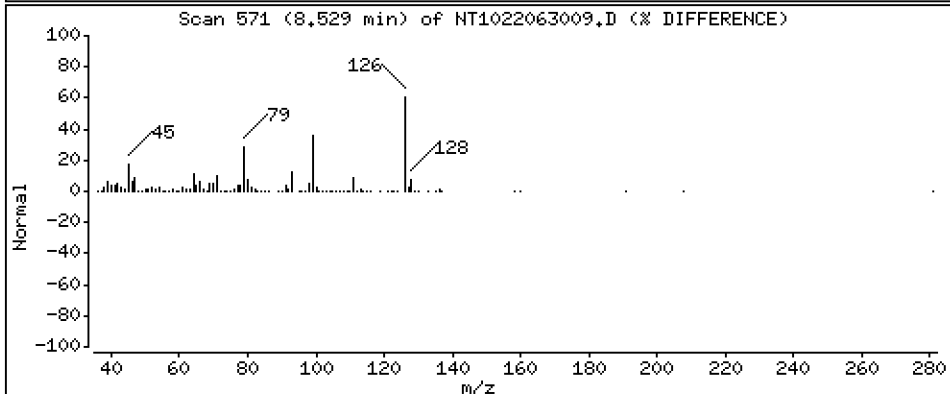
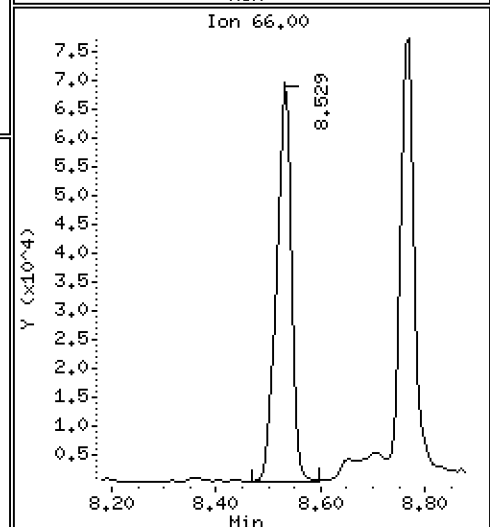
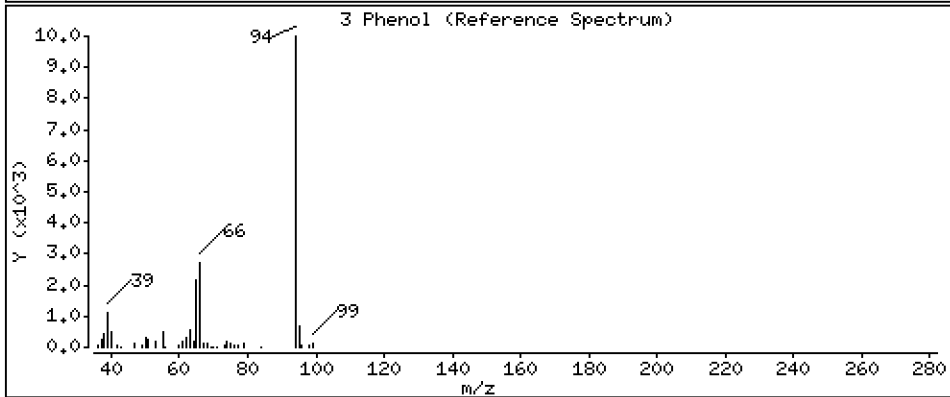
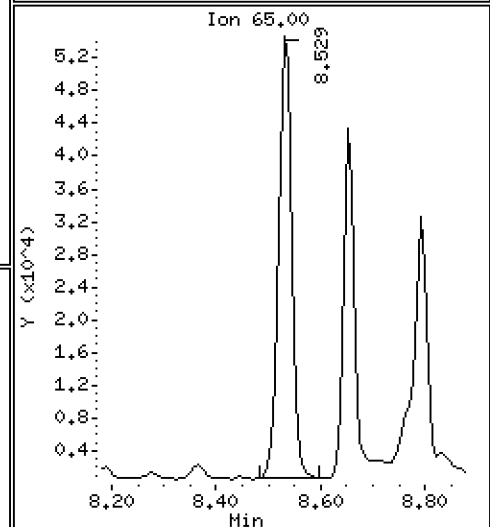
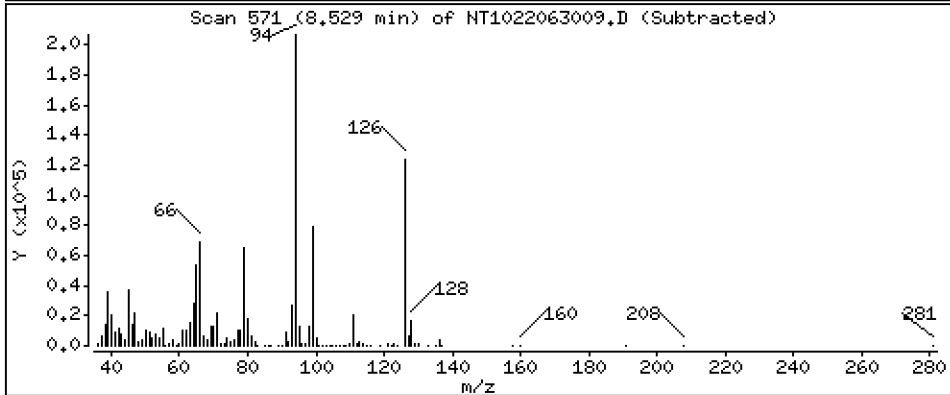
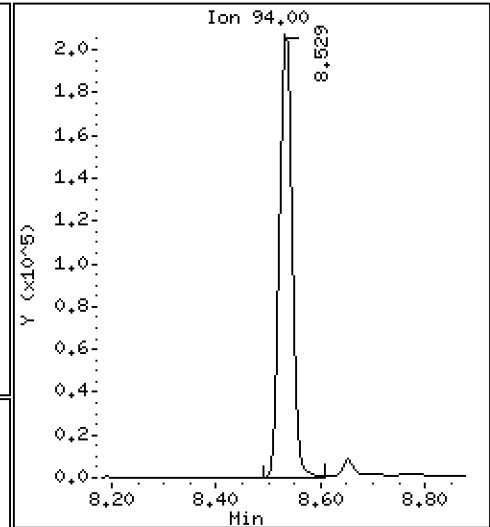
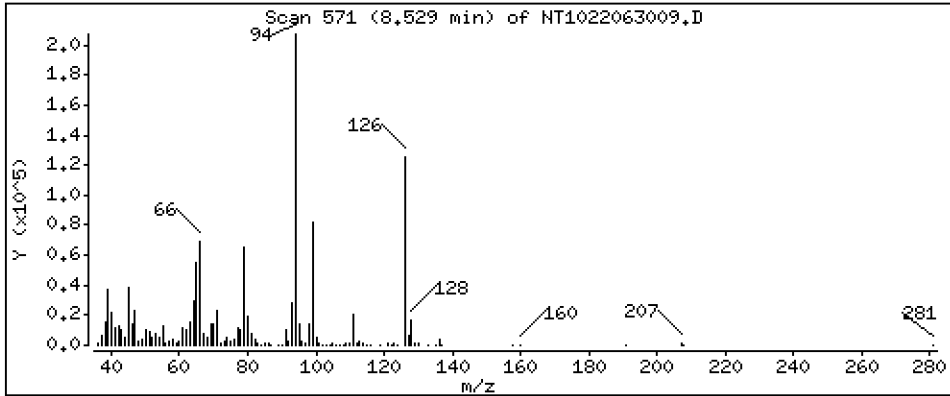
Operator: VTS

Column phase: ZB-5msi

Column diameter: 0,25

3 Phenol

Concentration: 3,242 ug/mL



Date : 30-JUN-2022 18:44

Client ID:

Instrument: nt10.i

Sample Info: BKF0469-MS1

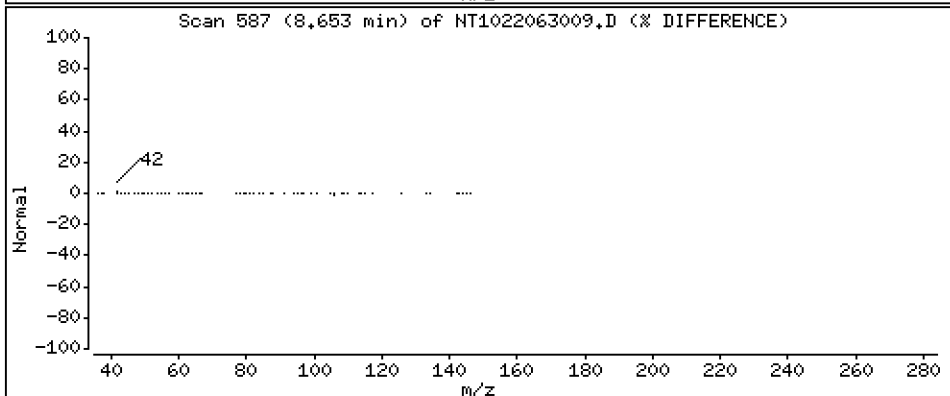
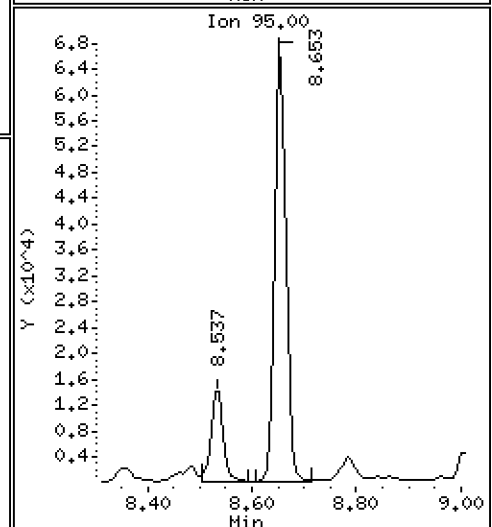
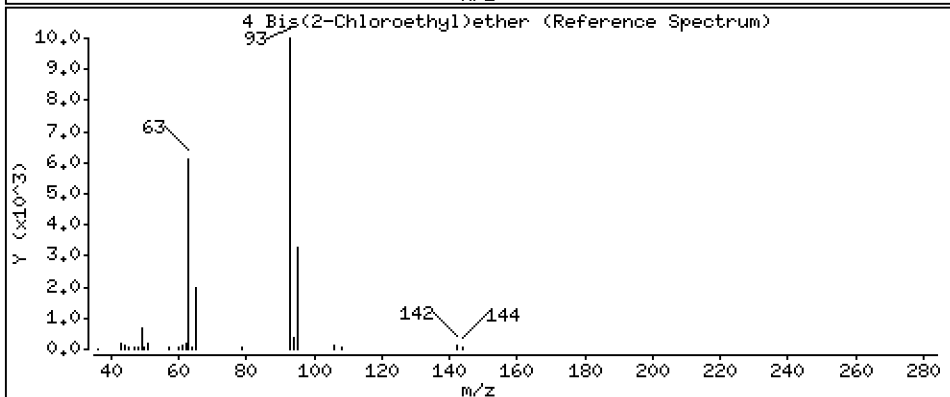
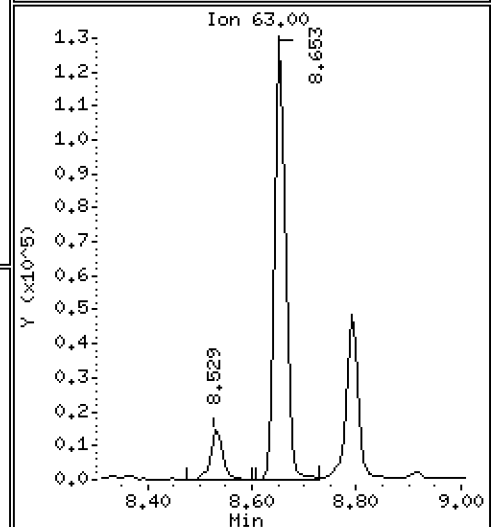
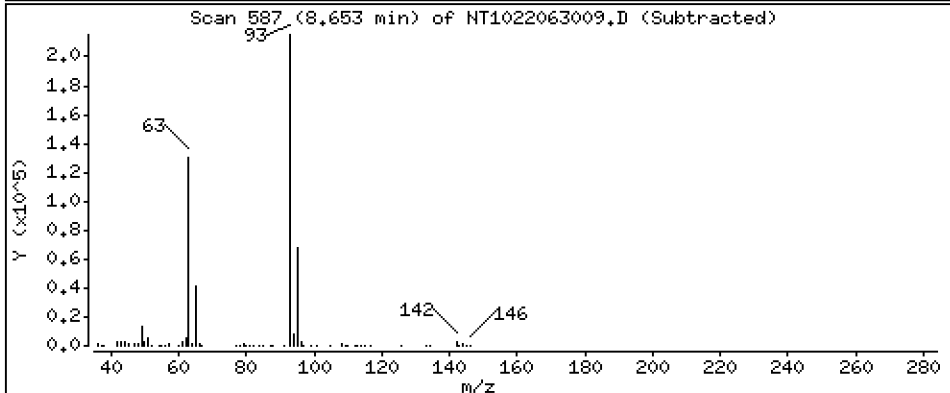
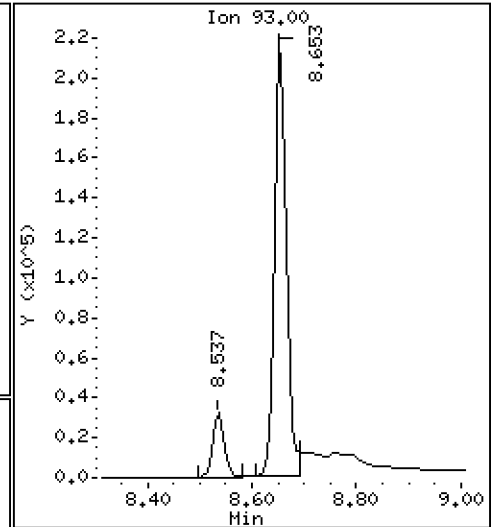
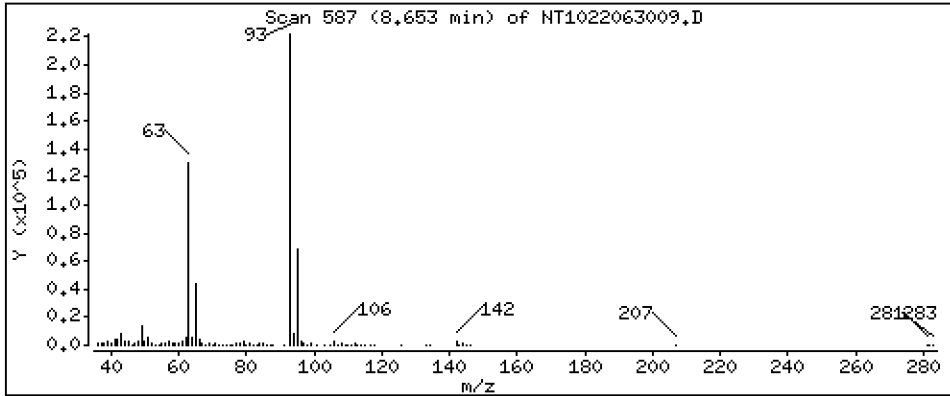
Operator: VTS

Column phase: ZB-5msi

Column diameter: 0.25

4 Bis(2-Chloroethyl)ether

Concentration: 4.468 ug/mL



Date : 30-JUN-2022 18:44

Client ID:

Instrument: nt10.i

Sample Info: BKF0469-MS1

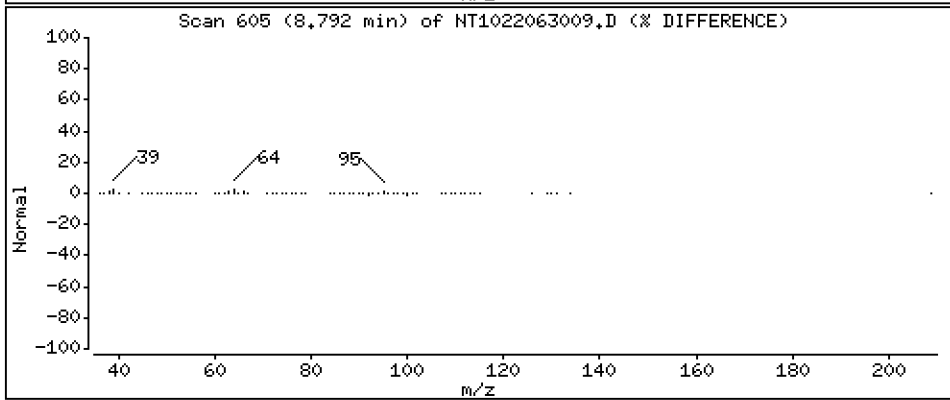
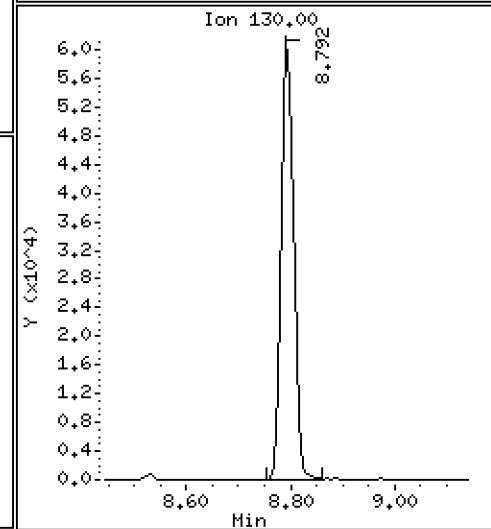
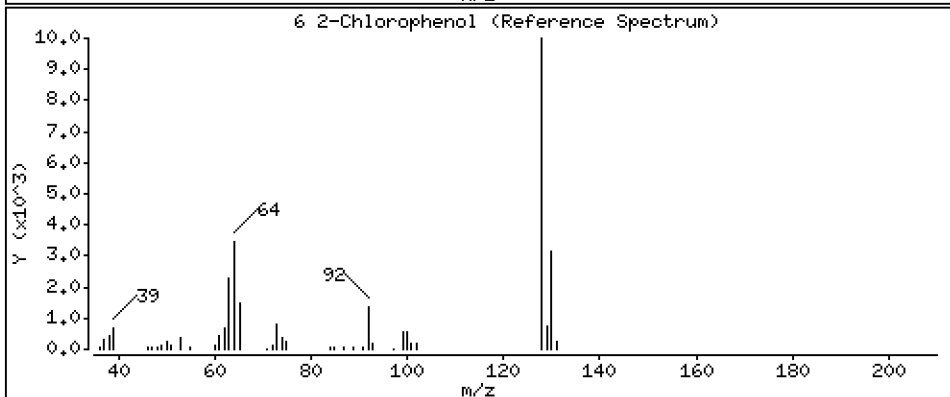
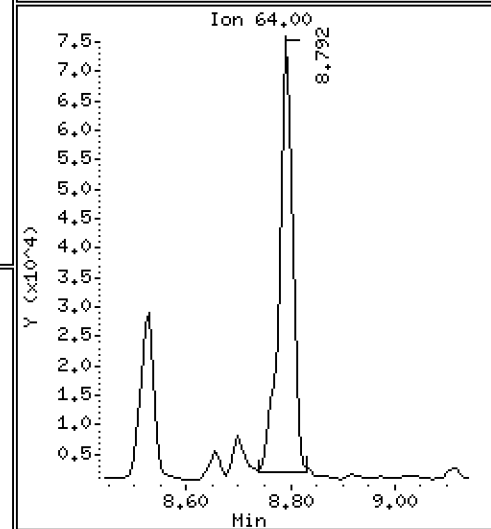
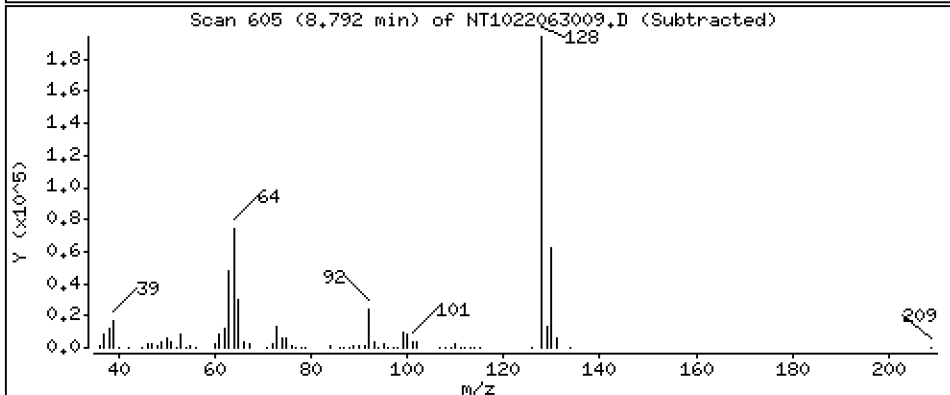
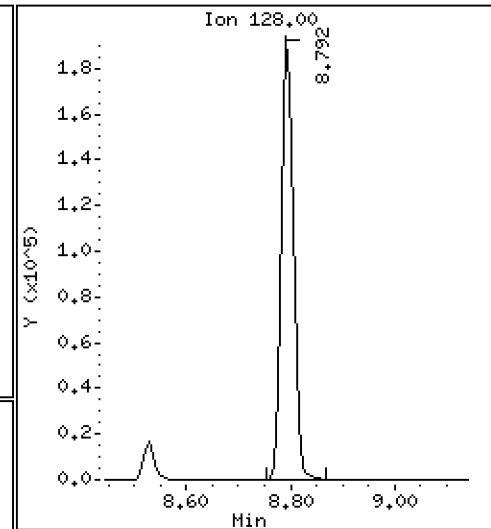
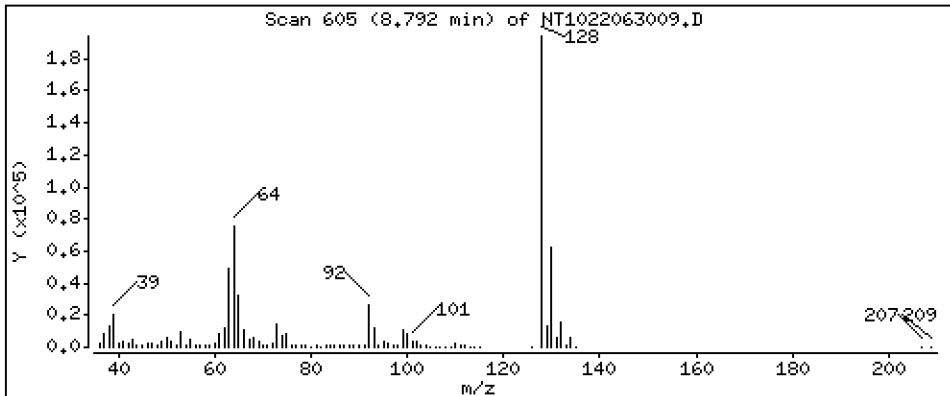
Operator: VTS

Column phase: ZB-5msi

Column diameter: 0,25

6 2-Chlorophenol

Concentration: 3,655 ug/mL



Date : 30-JUN-2022 18:44

Client ID:

Instrument: nt10.i

Sample Info: BKF0469-MS1

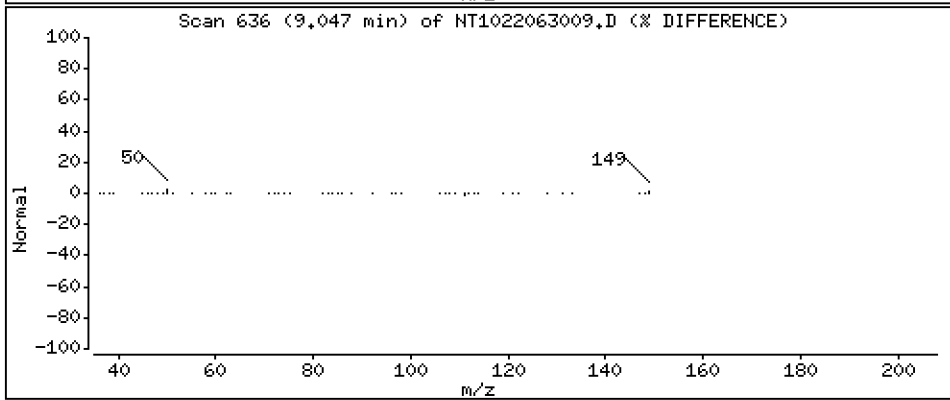
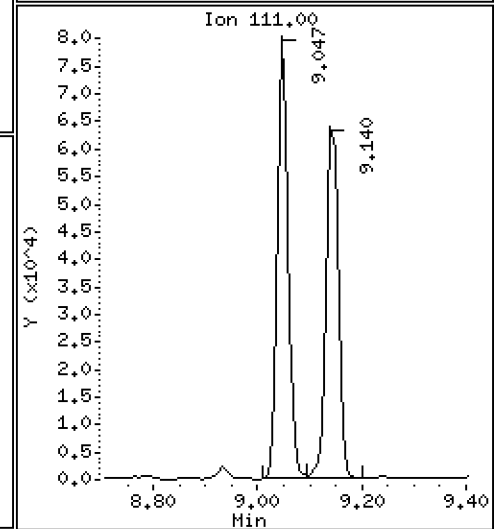
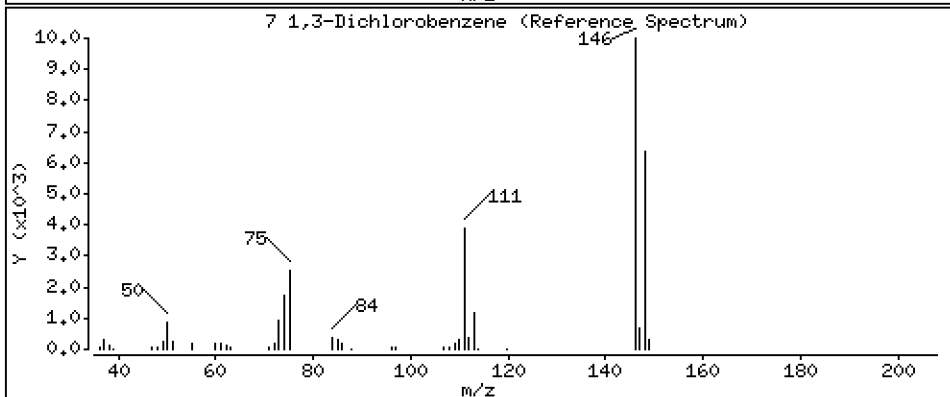
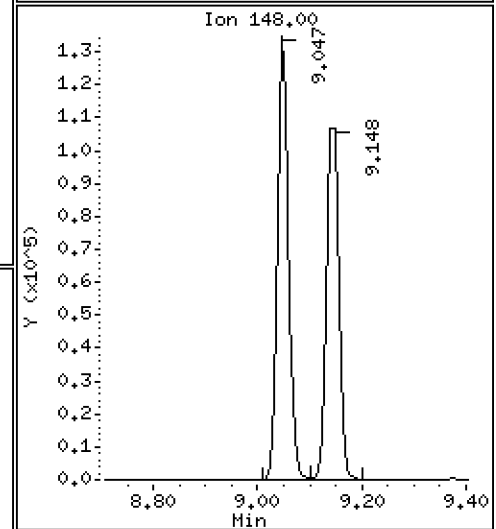
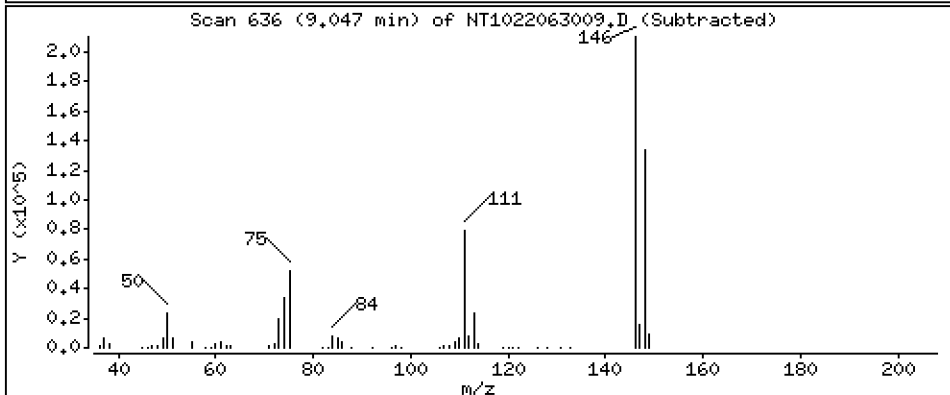
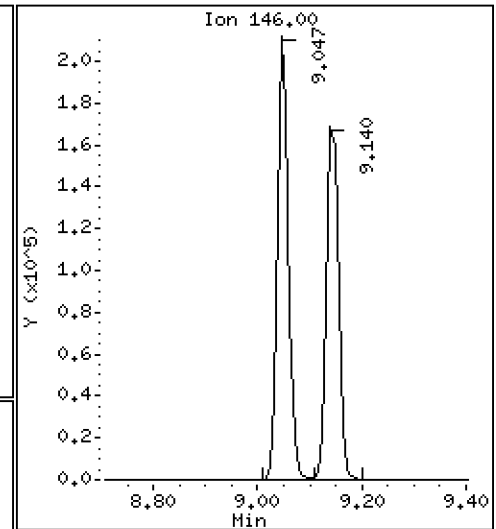
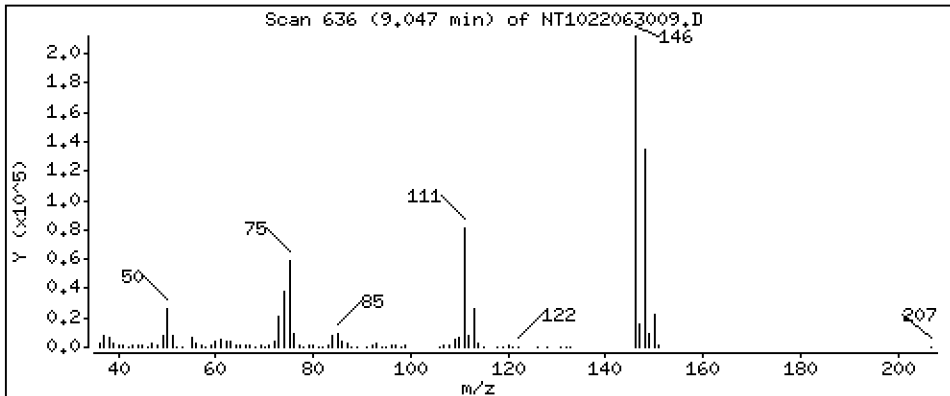
Operator: VTS

Column phase: ZB-5msi

Column diameter: 0,25

7 1,3-Dichlorobenzene

Concentration: 3,490 ug/mL



Date : 30-JUN-2022 18:44

Client ID:

Instrument: nt10.i

Sample Info: BKF0469-MS1

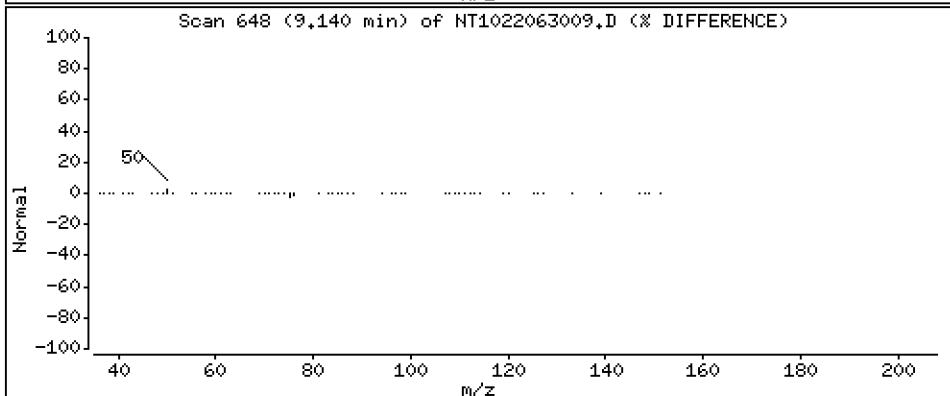
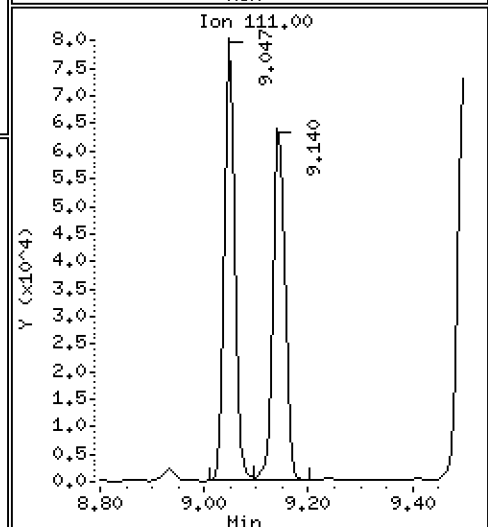
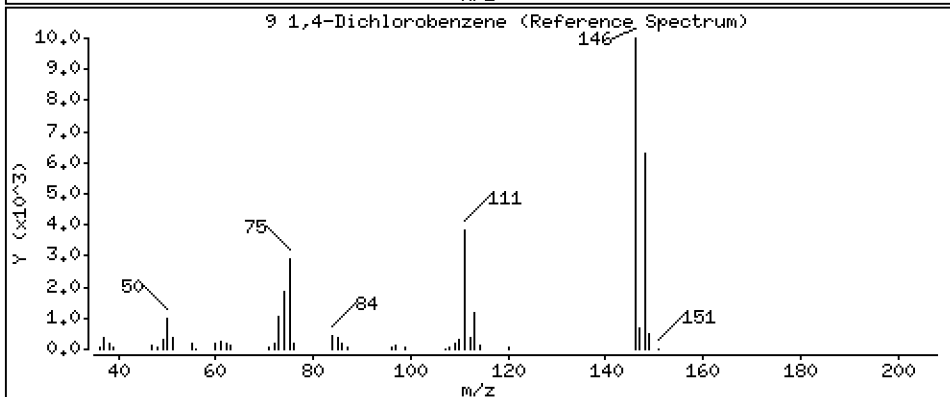
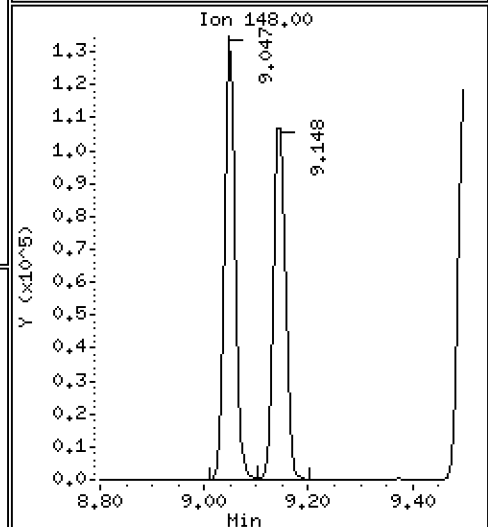
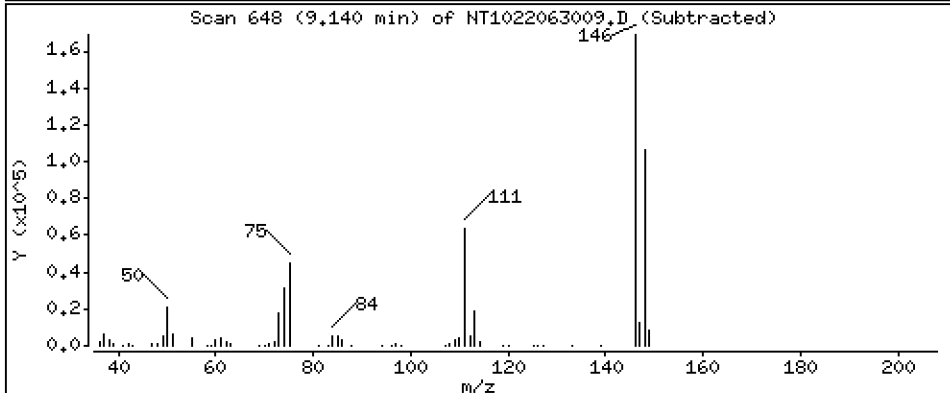
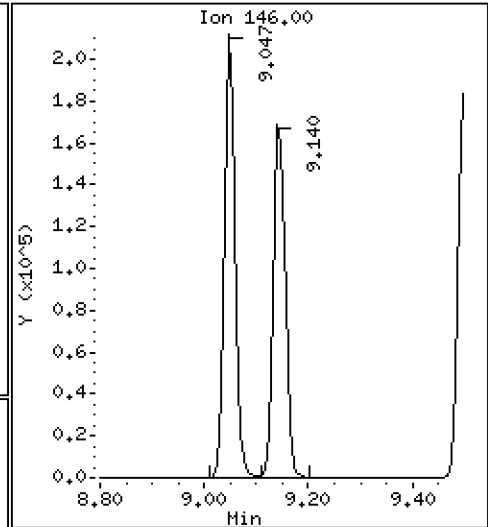
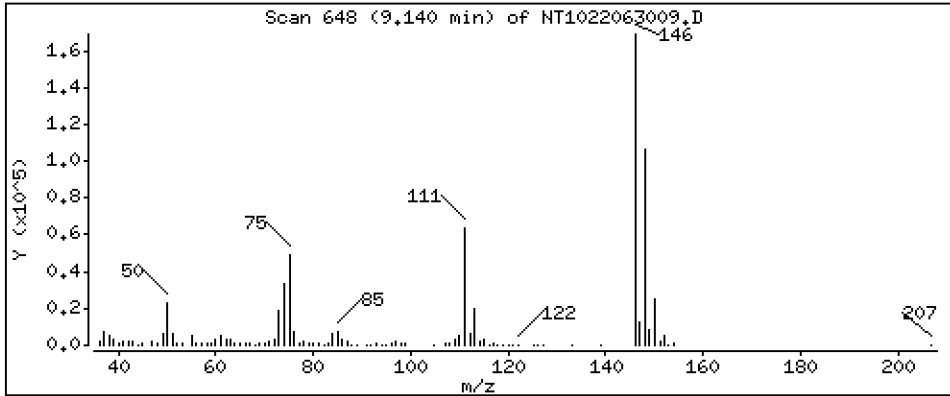
Operator: VTS

Column phase: ZB-5msi

Column diameter: 0,25

9 1,4-Dichlorobenzene

Concentration: 3,679 ug/mL



Date : 30-JUN-2022 18:44

Client ID:

Instrument: nt10.i

Sample Info: BKF0469-MS1

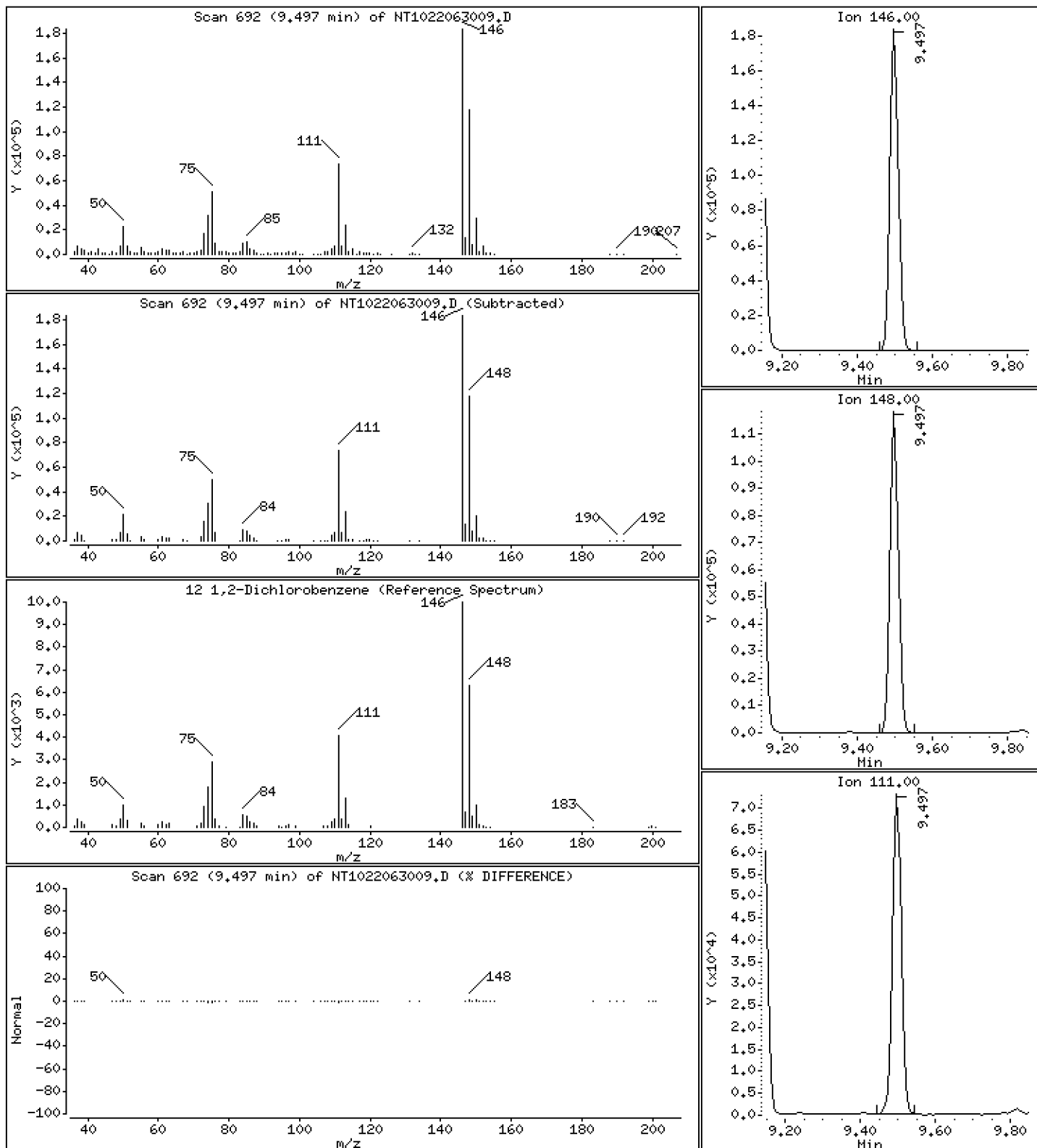
Operator: VTS

Column phase: ZB-5msi

Column diameter: 0,25

12 1,2-Dichlorobenzene

Concentration: 3,741 ug/mL



Date : 30-JUN-2022 18:44

Client ID:

Instrument: nt10.i

Sample Info: BKF0469-MS1

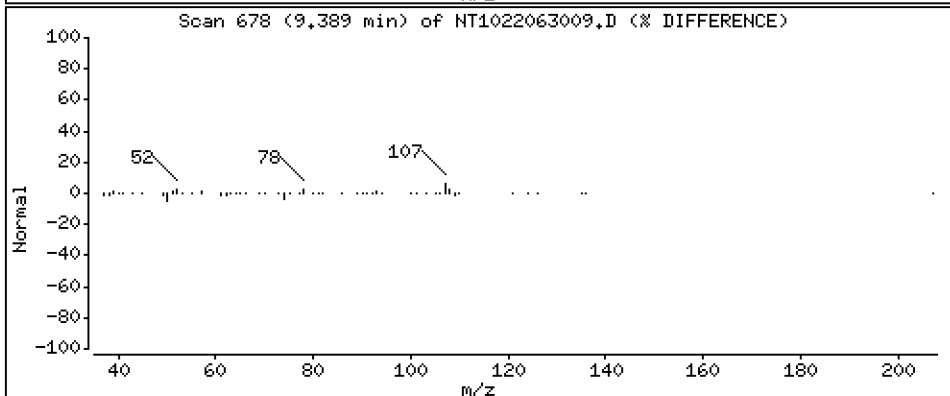
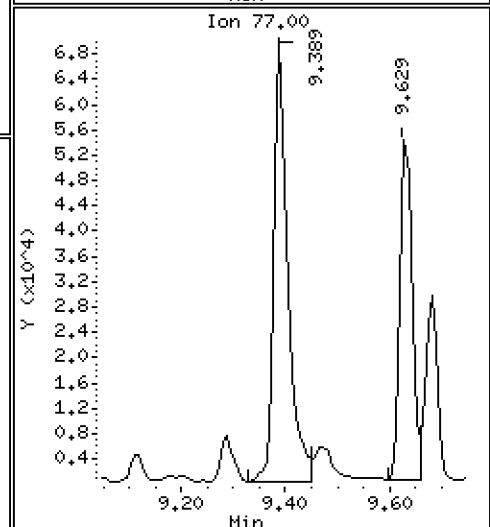
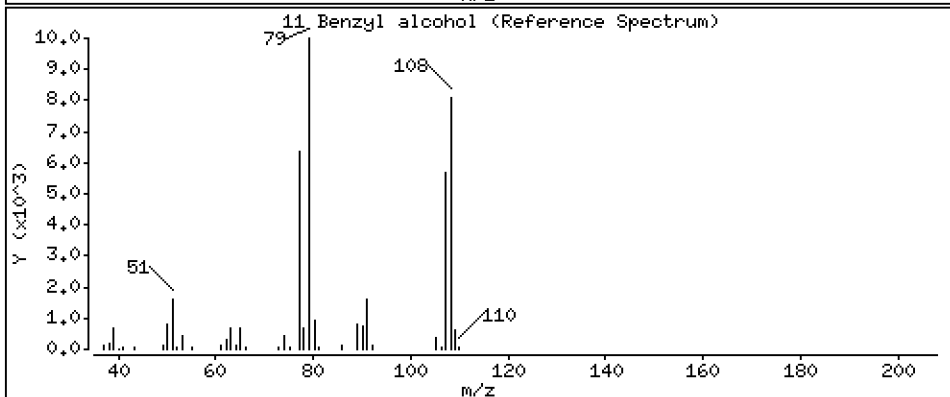
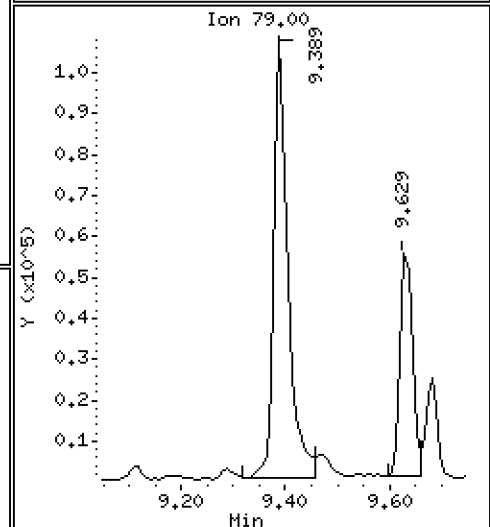
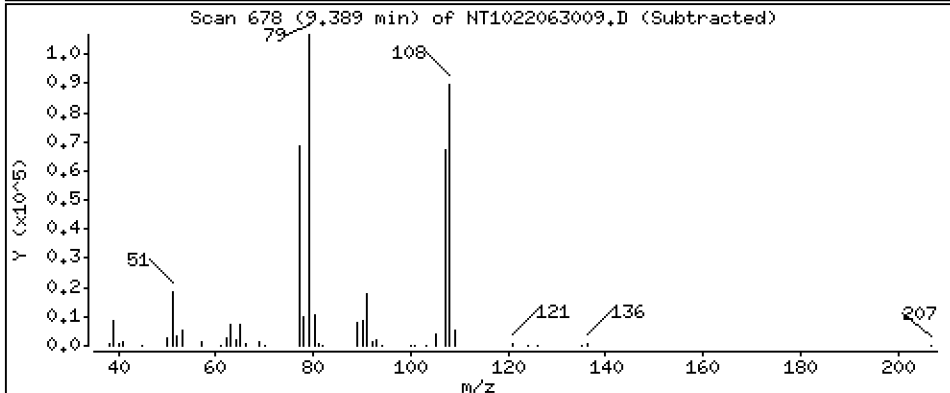
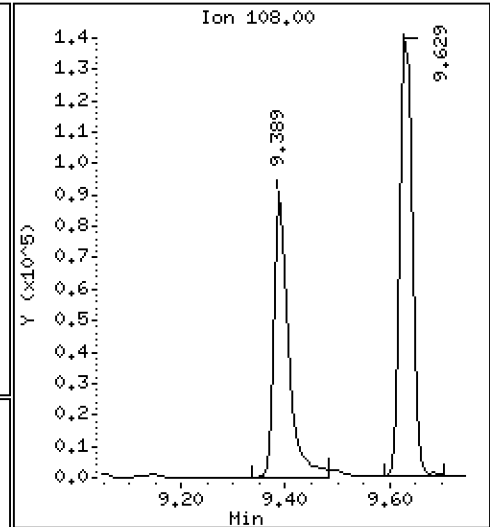
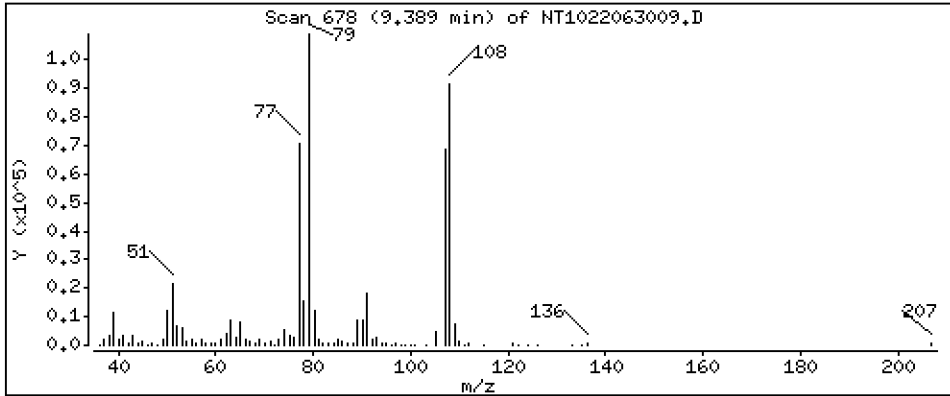
Operator: VTS

Column phase: ZB-5msi

Column diameter: 0.25

11 Benzyl alcohol

Concentration: 4.194 ug/mL



Date : 30-JUN-2022 18:44

Client ID:

Instrument: nt10.i

Sample Info: BKF0469-MS1

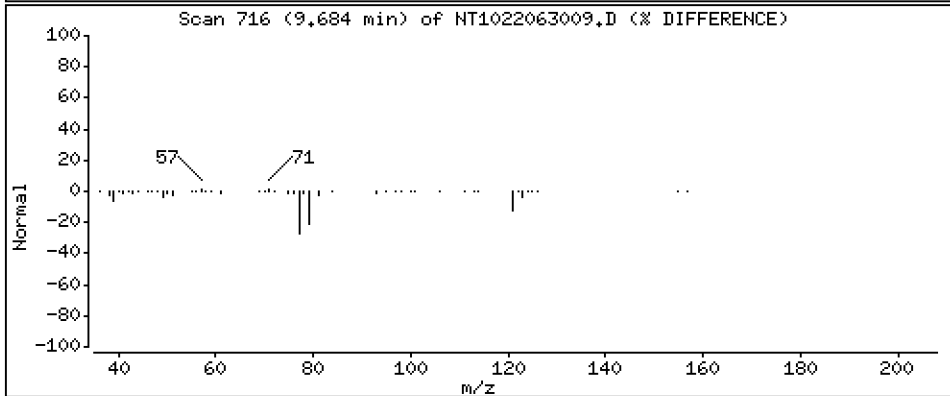
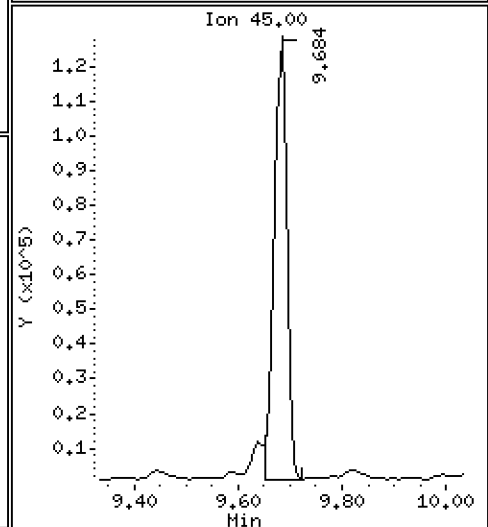
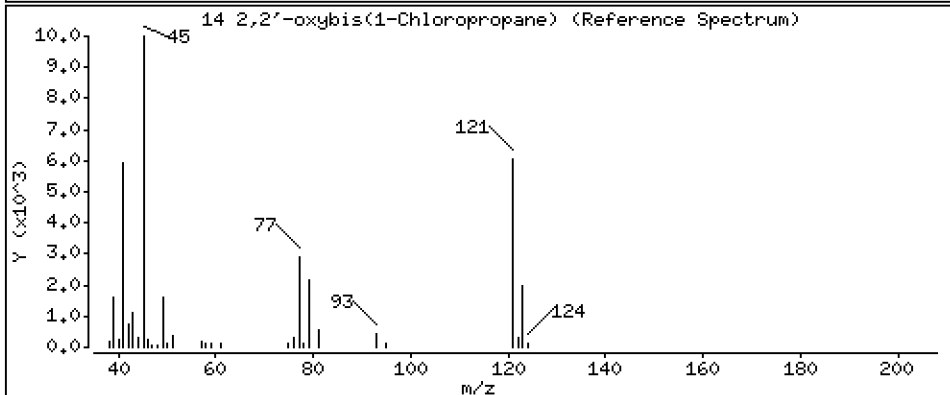
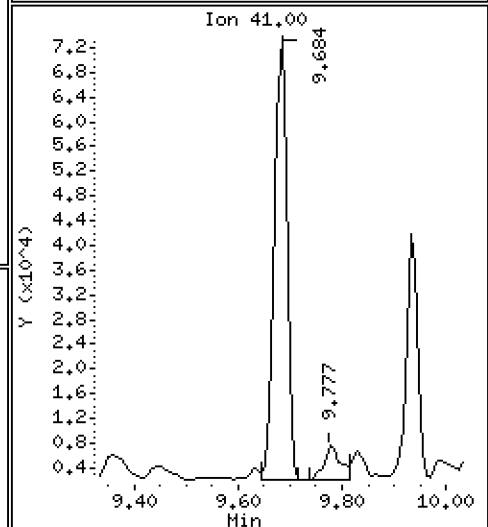
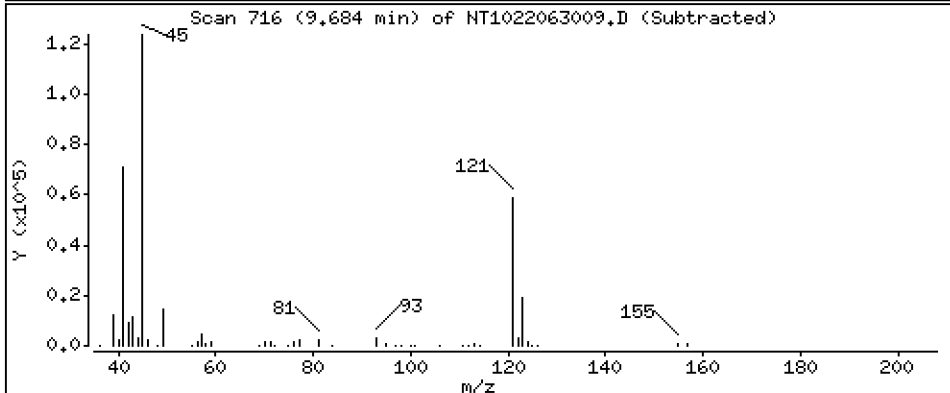
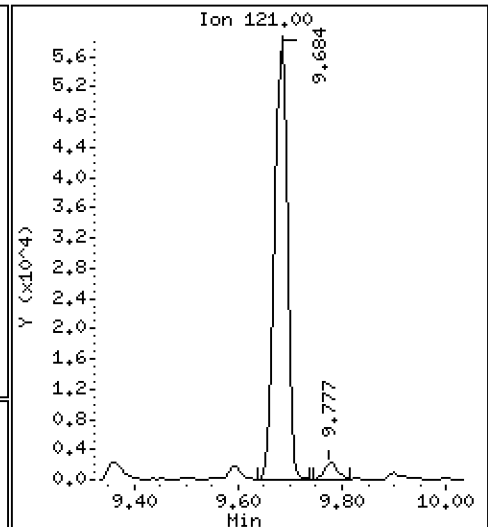
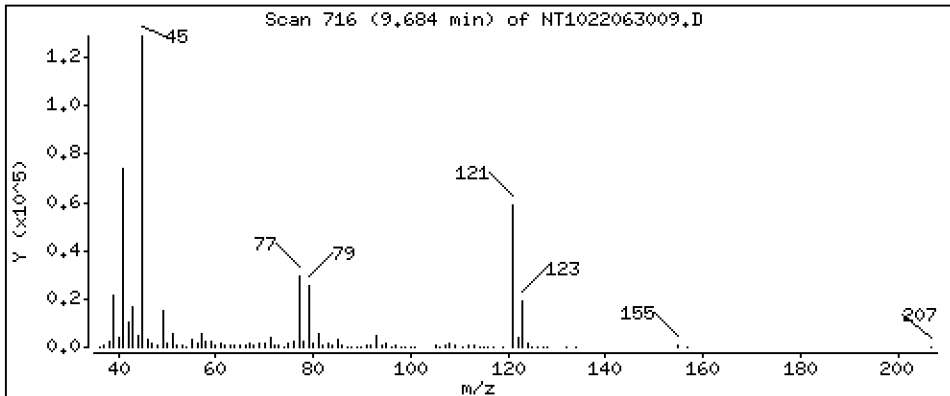
Operator: VTS

Column phase: ZB-5msi

Column diameter: 0,25

14 2,2'-oxybis(1-Chloropropane)

Concentration: 5,402 ug/mL



Date : 30-JUN-2022 18:44

Client ID:

Instrument: nt10.i

Sample Info: BKF0469-MS1

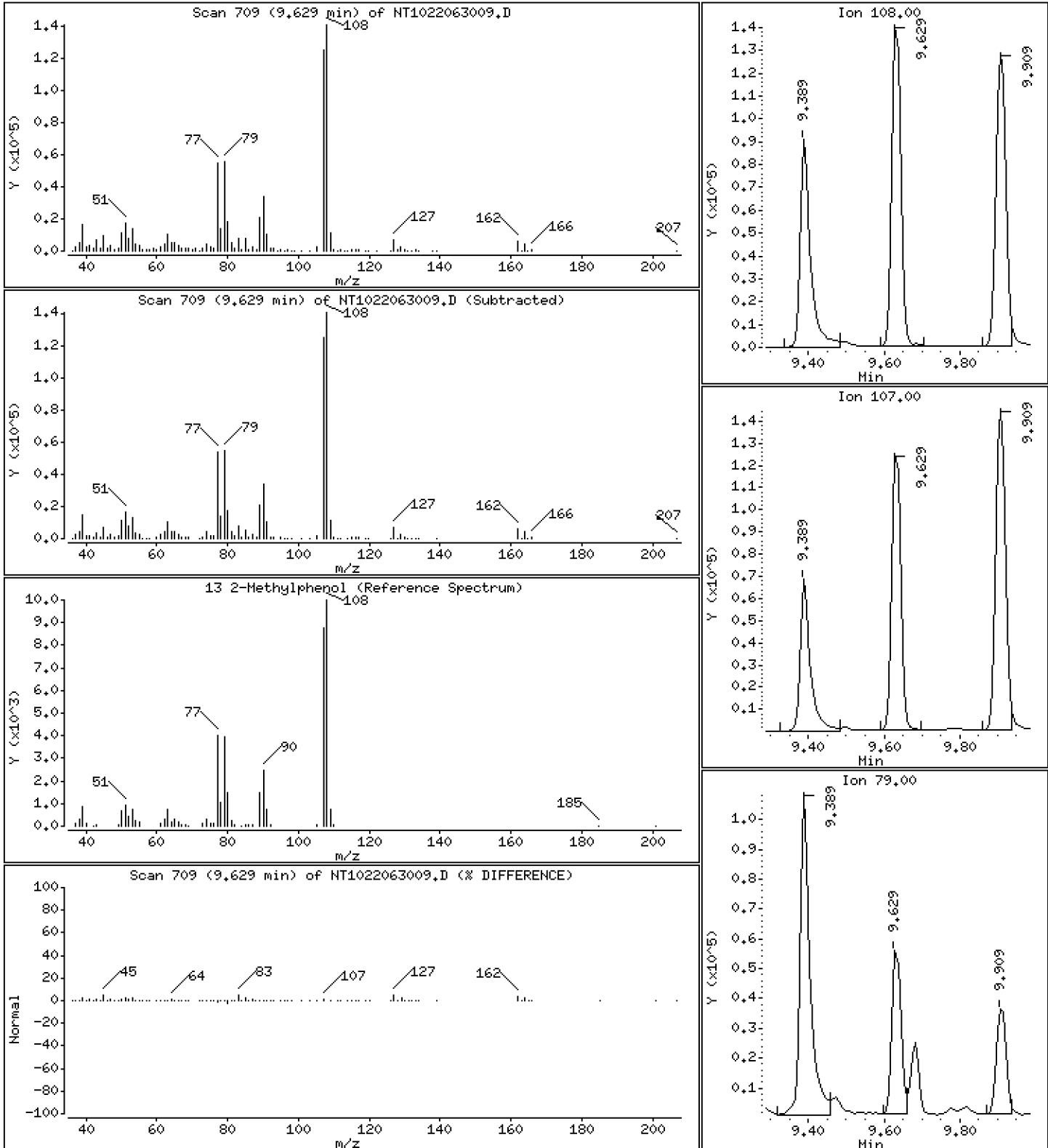
Operator: VTS

Column phase: ZB-5msi

Column diameter: 0,25

13 2-Methylphenol

Concentration: 3,448 ug/mL



Date : 30-JUN-2022 18:44

Client ID:

Instrument: nt10.i

Sample Info: BKF0469-MS1

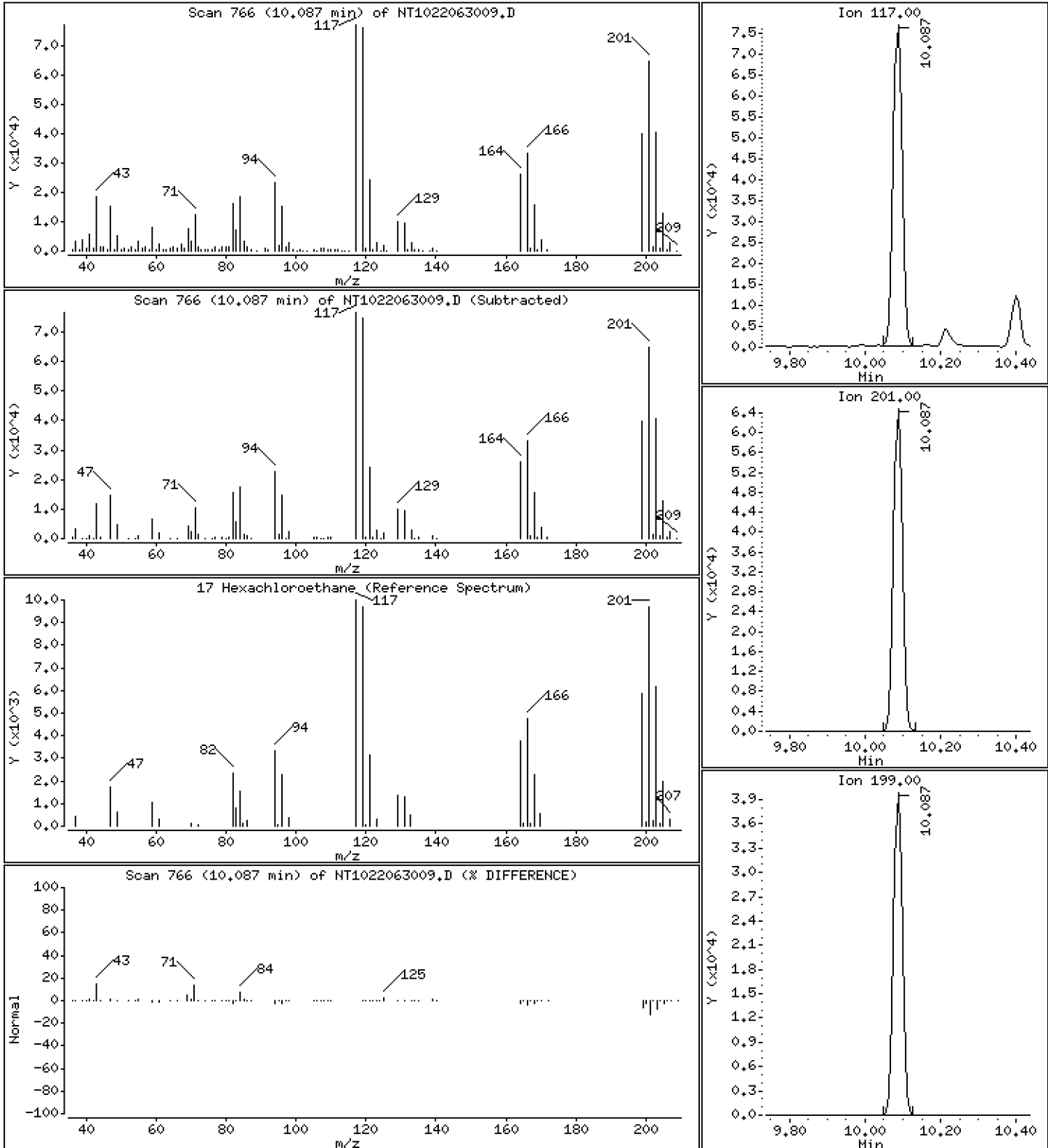
Operator: VTS

Column phase: ZB-5msi

Column diameter: 0.25

17 Hexachloroethane

Concentration: 3,892 ug/mL



Date : 30-JUN-2022 18:44

Client ID:

Instrument: nt10.i

Sample Info: BKF0469-MS1

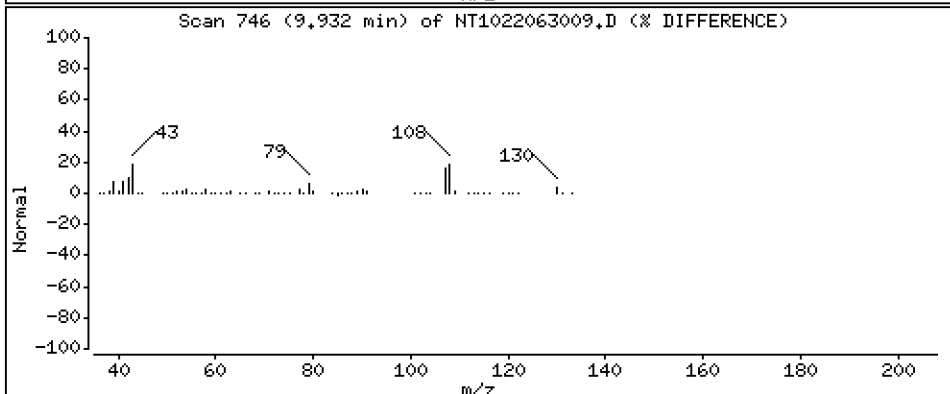
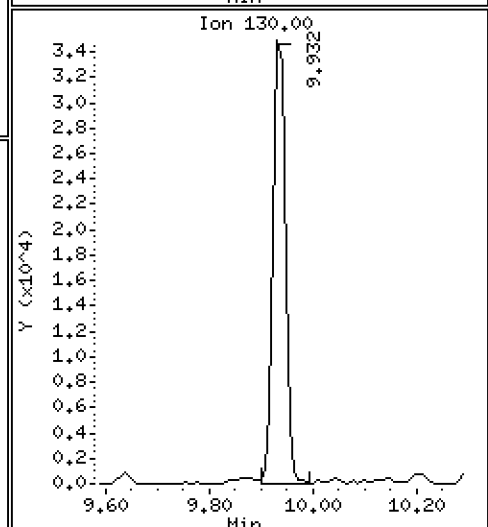
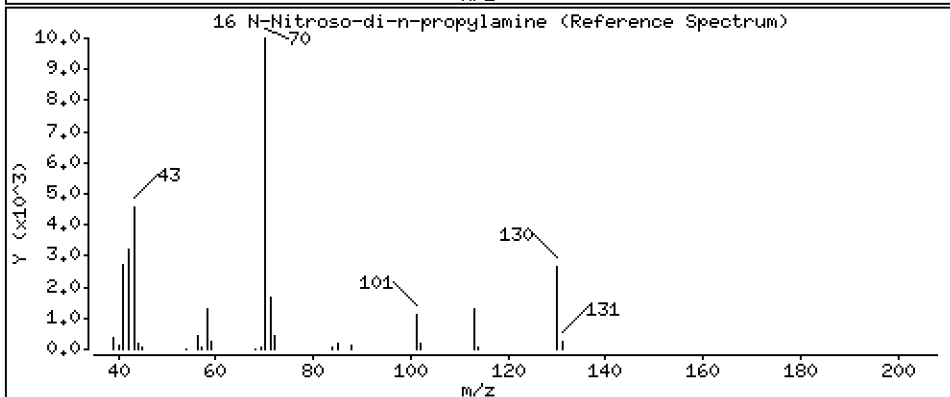
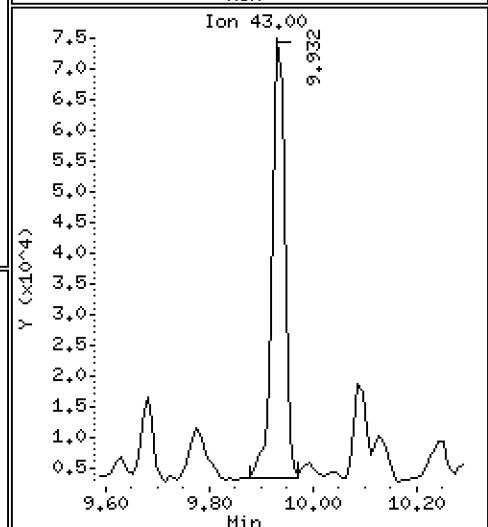
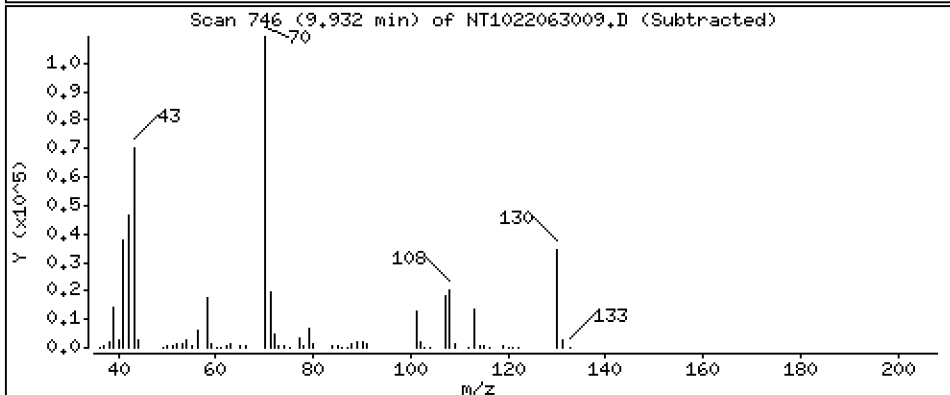
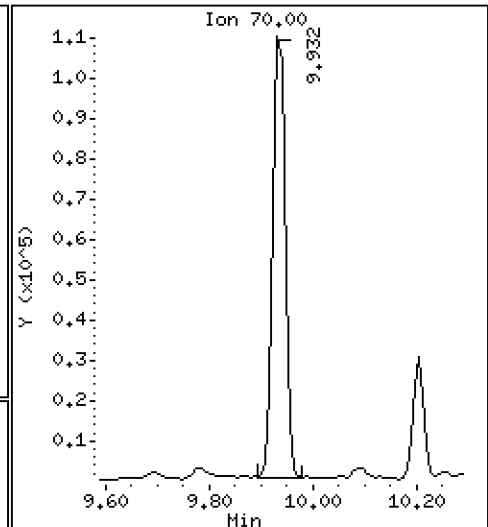
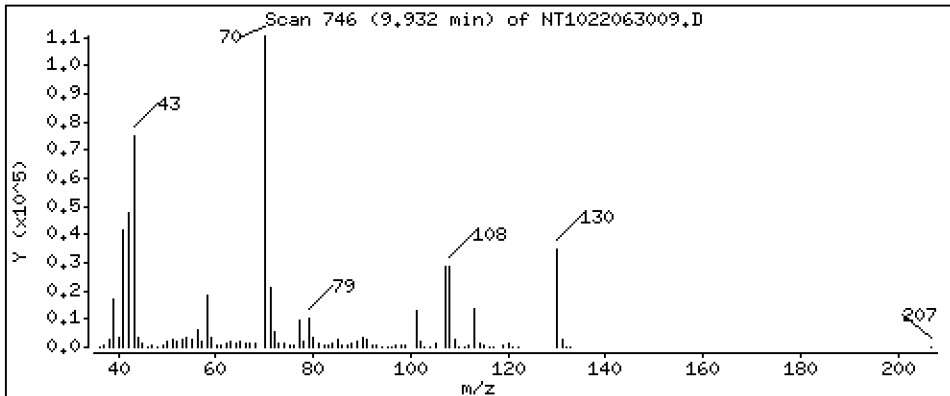
Operator: VTS

Column phase: ZB-5msi

Column diameter: 0,25

16 N-Nitroso-di-n-propylamine

Concentration: 3,886 ug/mL



Date : 30-JUN-2022 18:44

Client ID:

Instrument: nt10.i

Sample Info: BKF0469-MS1

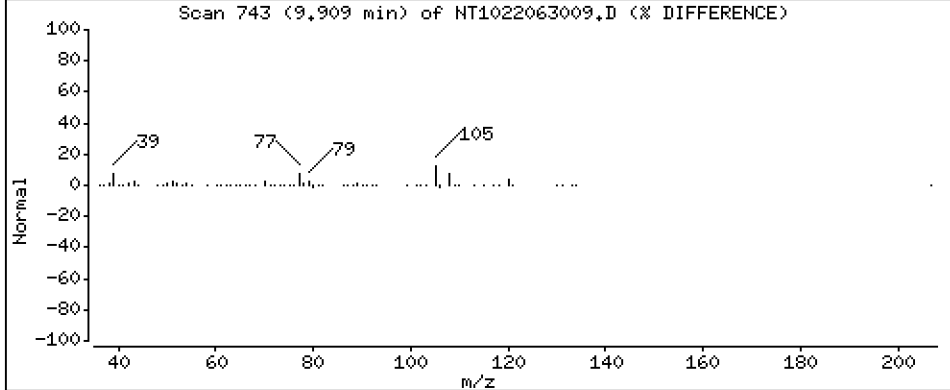
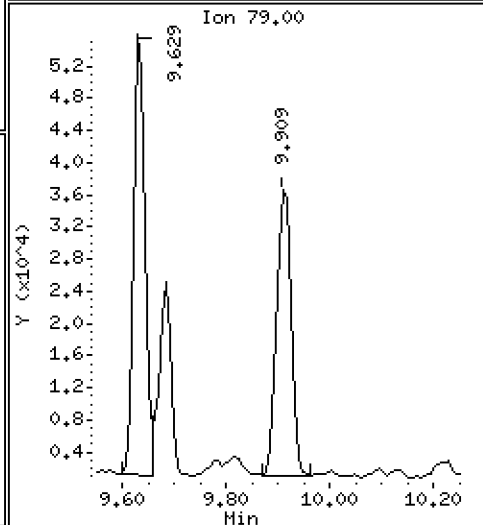
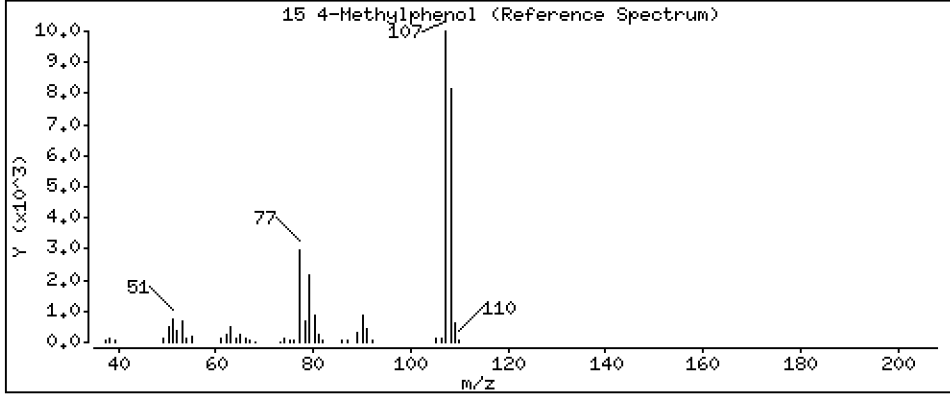
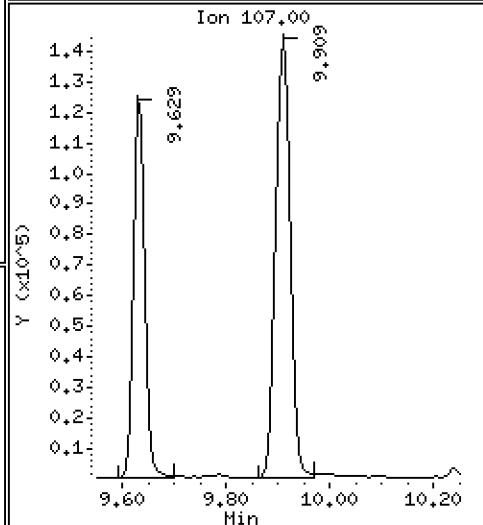
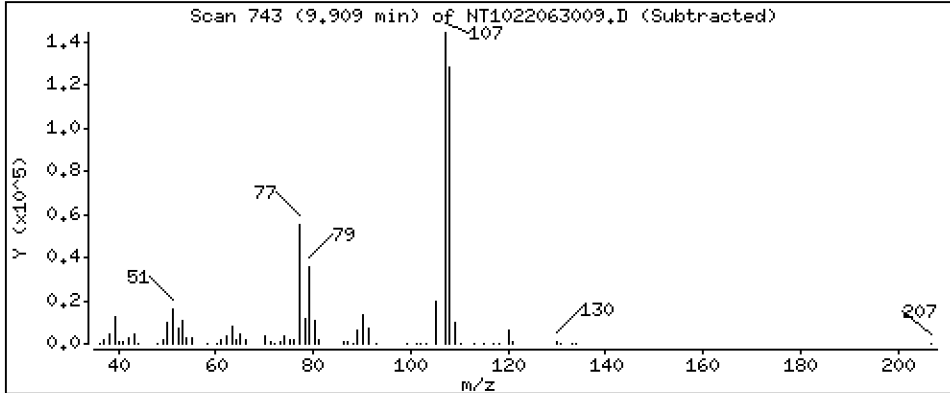
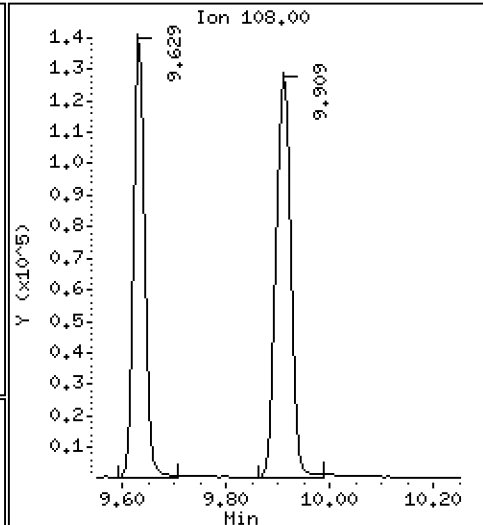
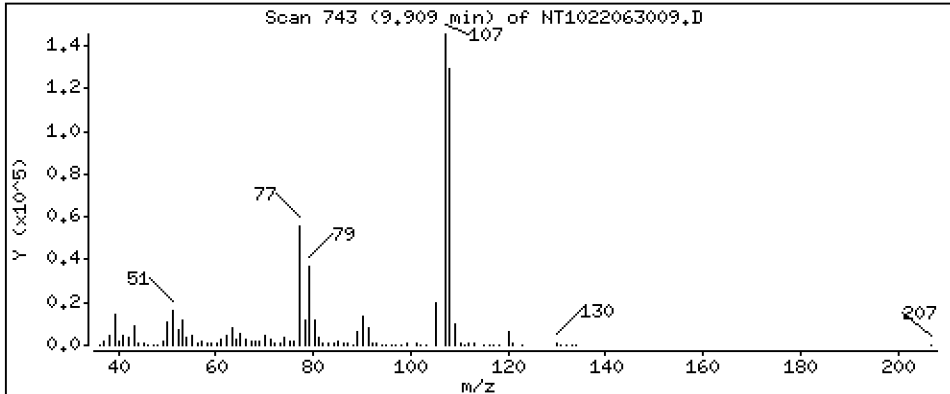
Operator: VTS

Column phase: ZB-5msi

Column diameter: 0,25

15 4-Methylphenol

Concentration: 3,665 ug/mL



Date : 30-JUN-2022 18:44

Client ID:

Instrument: nt10.i

Sample Info: BKF0469-MS1

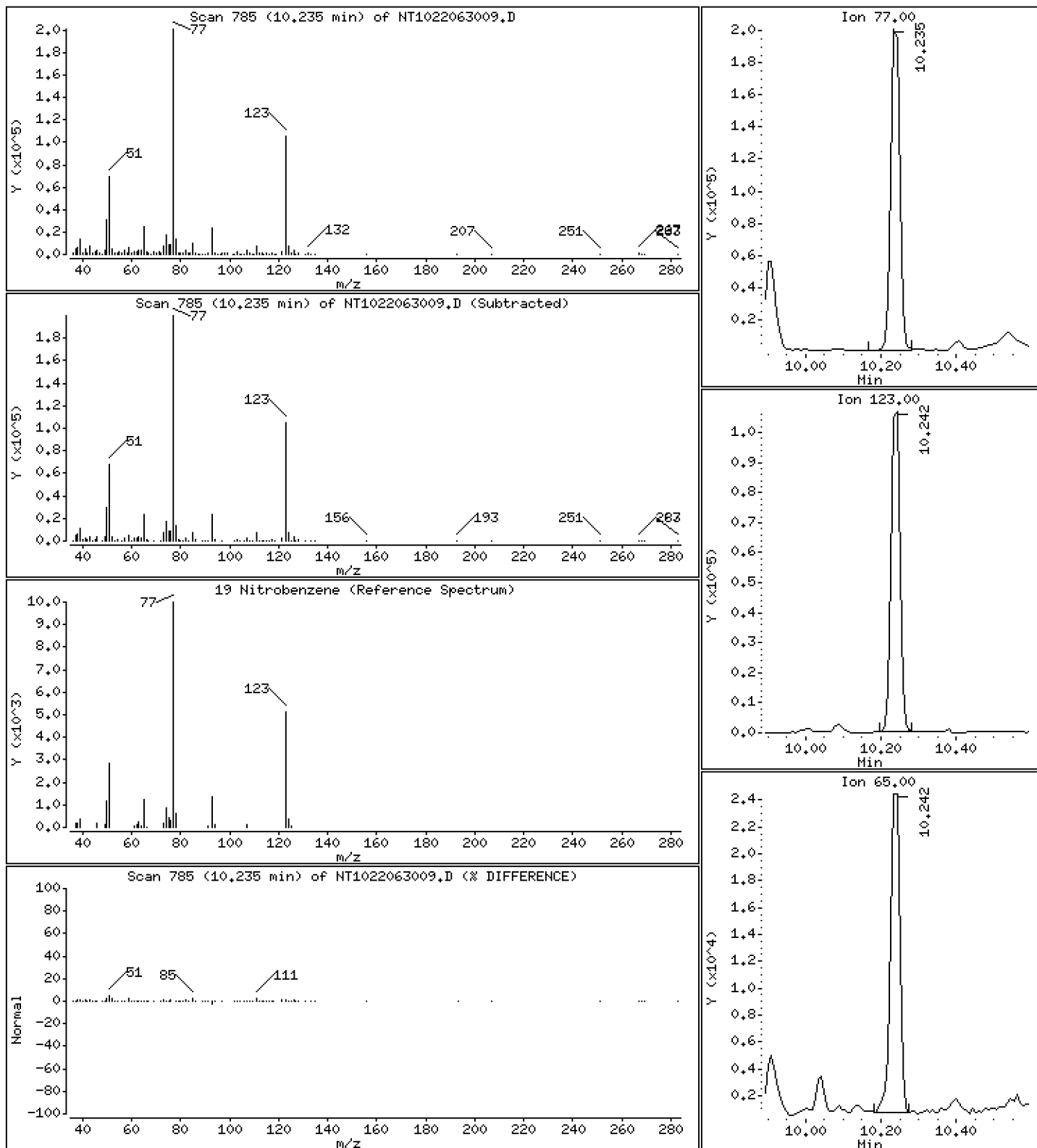
Operator: VTS

Column phase: ZB-5msi

Column diameter: 0,25

19 Nitrobenzene

Concentration: 3,887 ug/mL



Date : 30-JUN-2022 18:44

Client ID:

Instrument: nt10.i

Sample Info: BKF0469-MS1

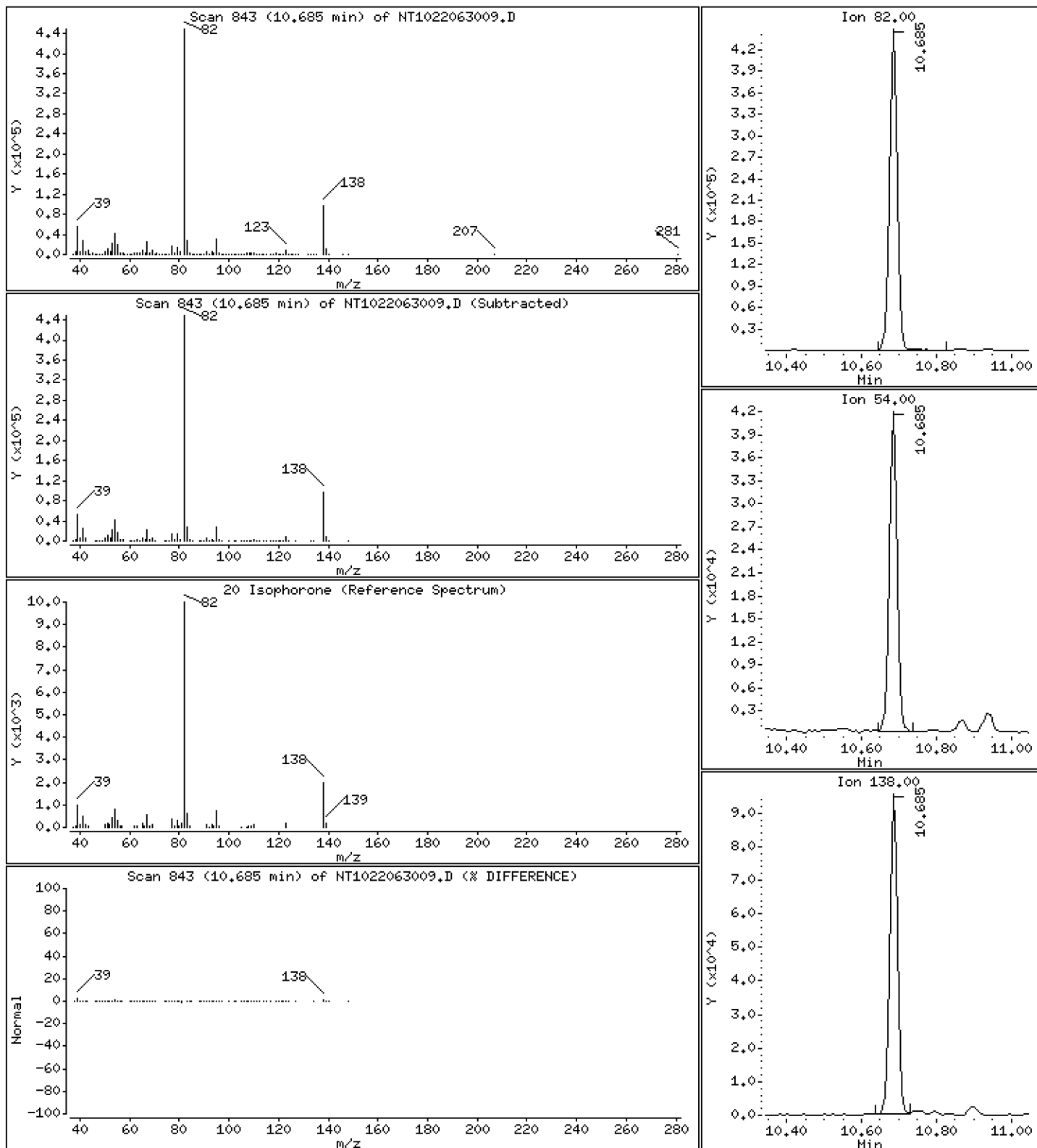
Operator: VTS

Column phase: ZB-5msi

Column diameter: 0,25

20 Isophorone

Concentration: 6,273 ug/mL



Date : 30-JUN-2022 18:44

Client ID:

Instrument: nt10.i

Sample Info: BKF0469-MS1

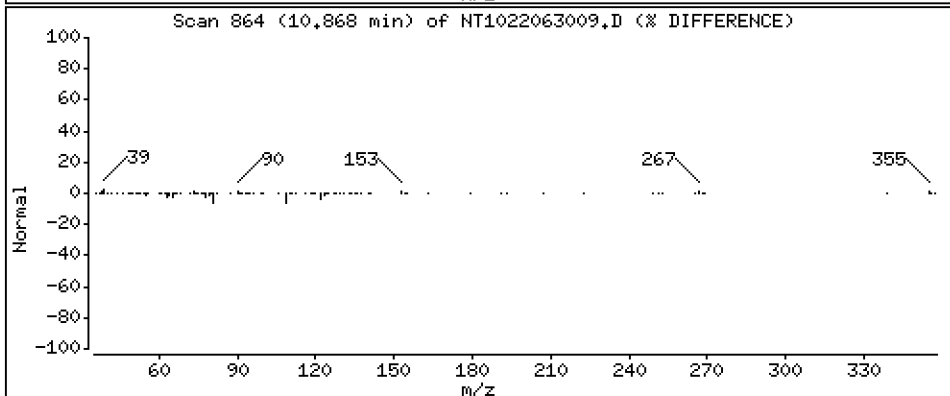
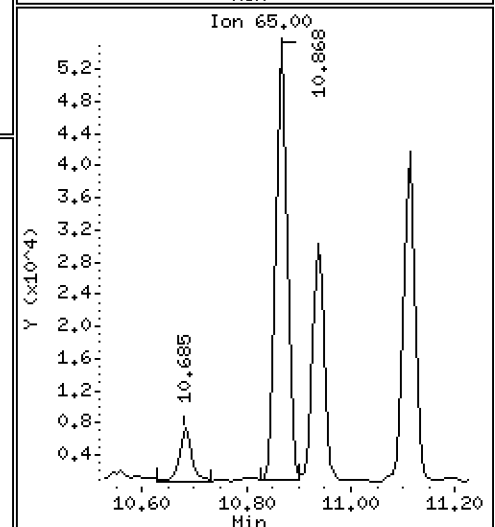
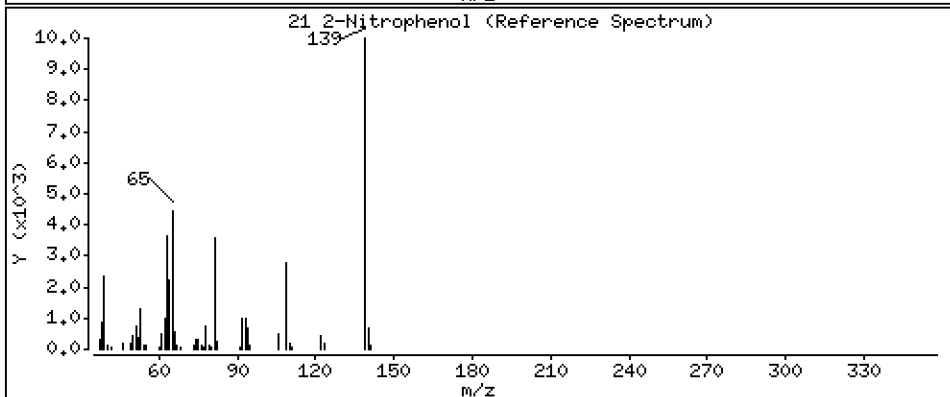
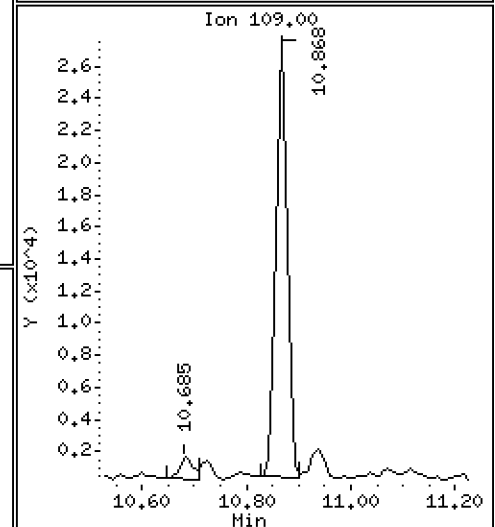
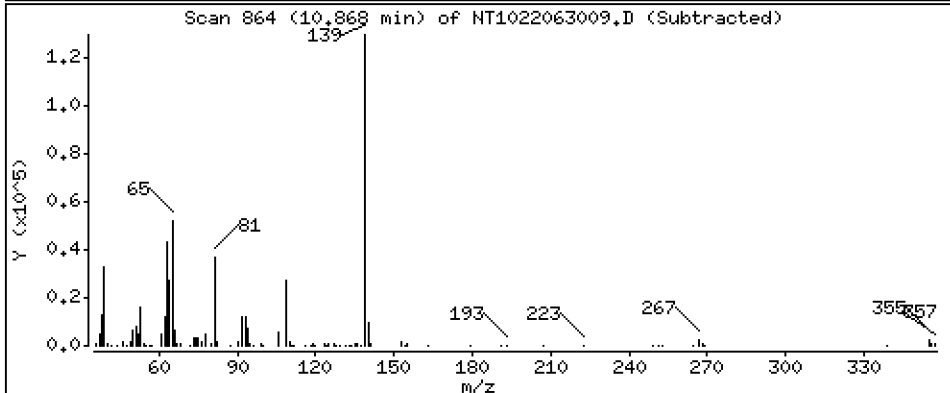
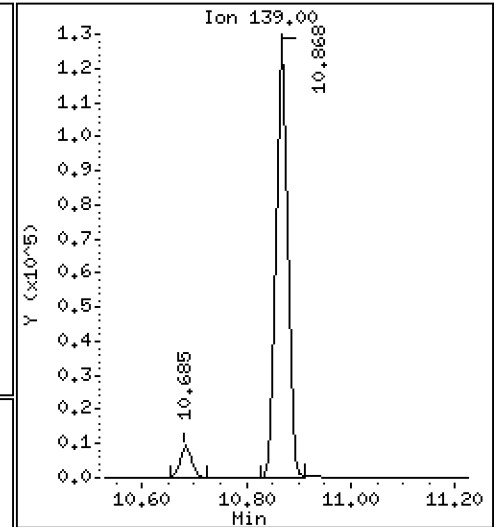
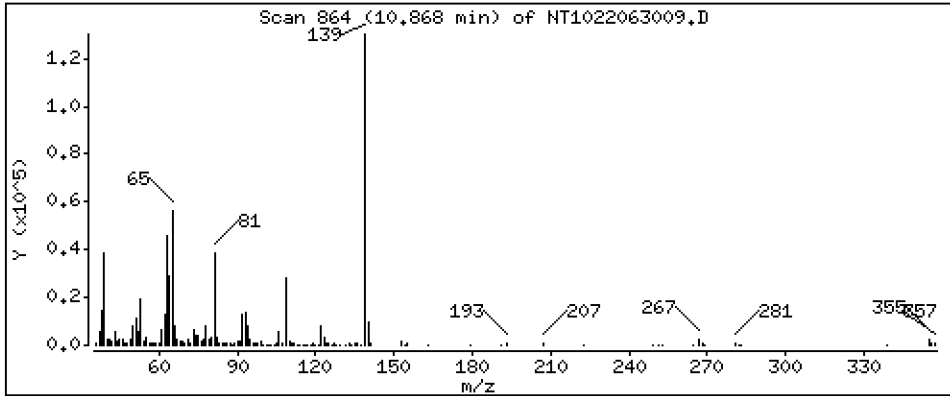
Operator: VTS

Column phase: ZB-5msi

Column diameter: 0,25

21 2-Nitrophenol

Concentration: 3,897 ug/mL



Date : 30-JUN-2022 18:44

Client ID:

Instrument: nt10.i

Sample Info: BKF0469-MS1

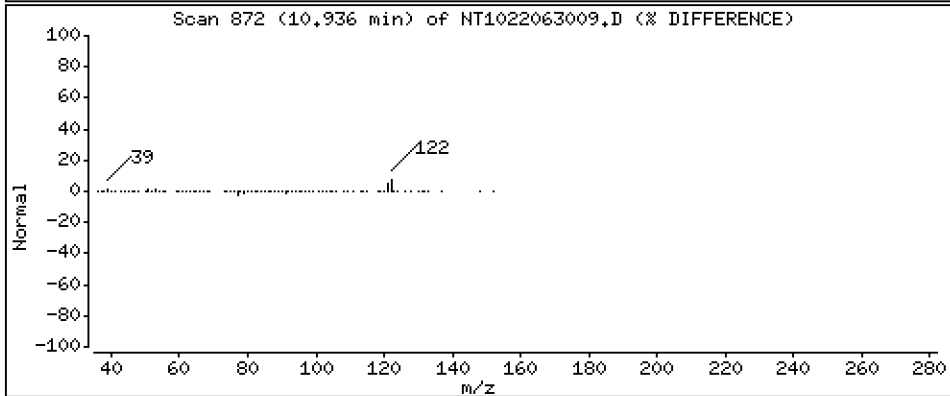
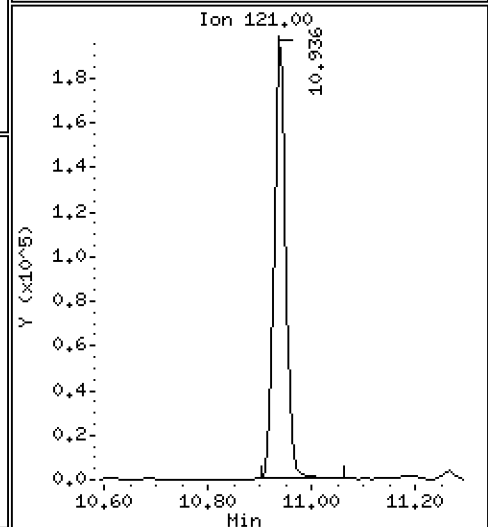
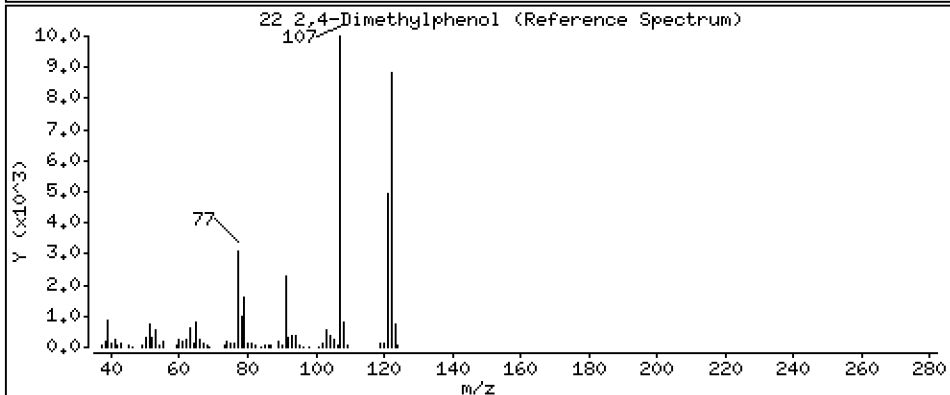
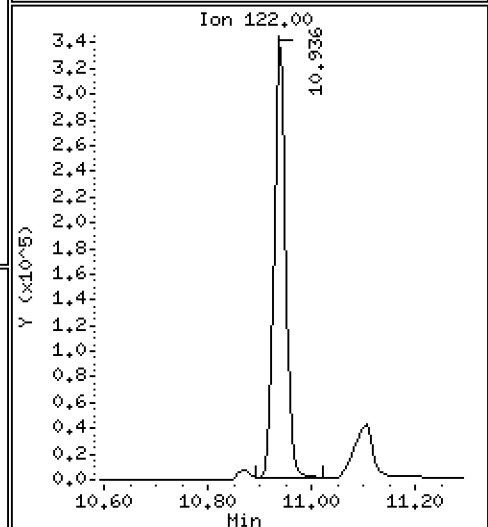
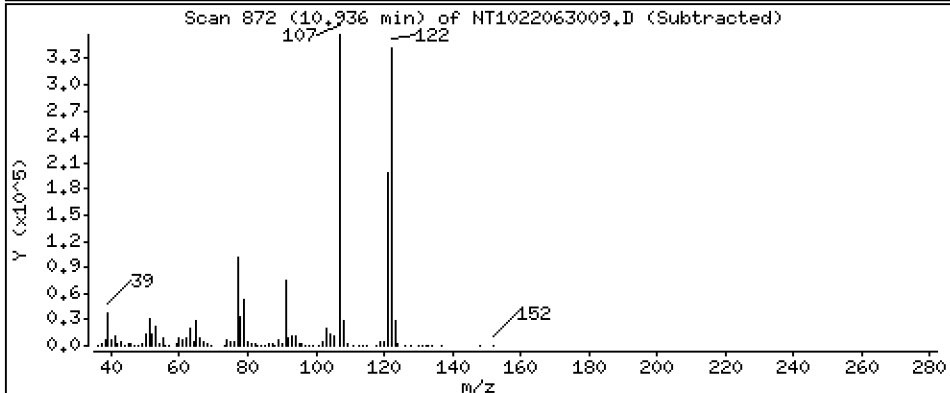
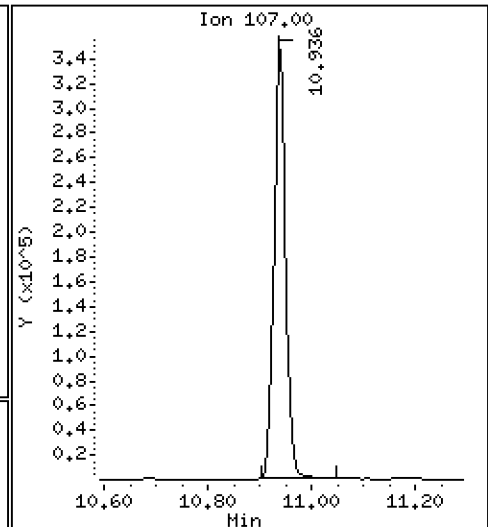
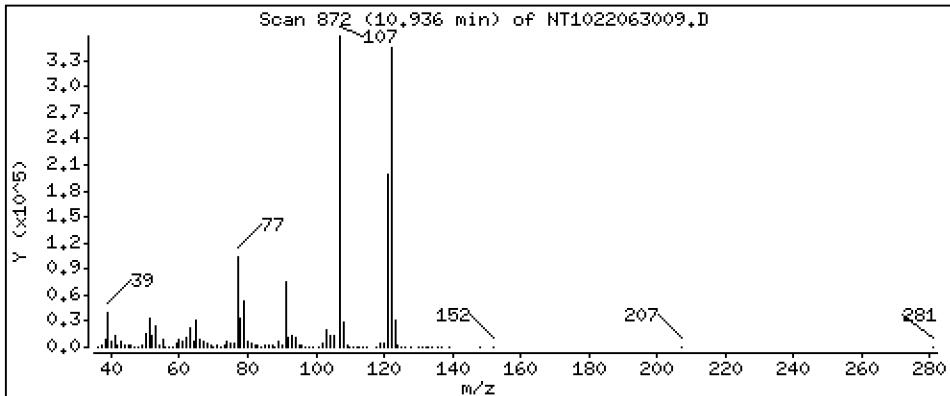
Operator: VTS

Column phase: ZB-5msi

Column diameter: 0,25

22 2,4-Dimethylphenol

Concentration: 9,188 ug/mL



Date : 30-JUN-2022 18:44

Client ID:

Instrument: nt10.i

Sample Info: BKF0469-MS1

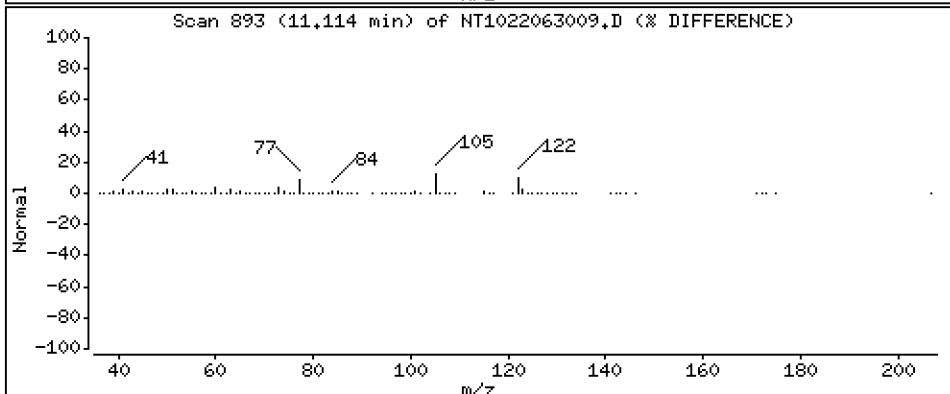
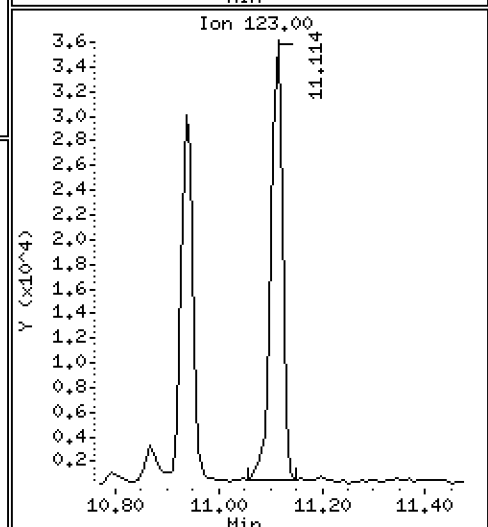
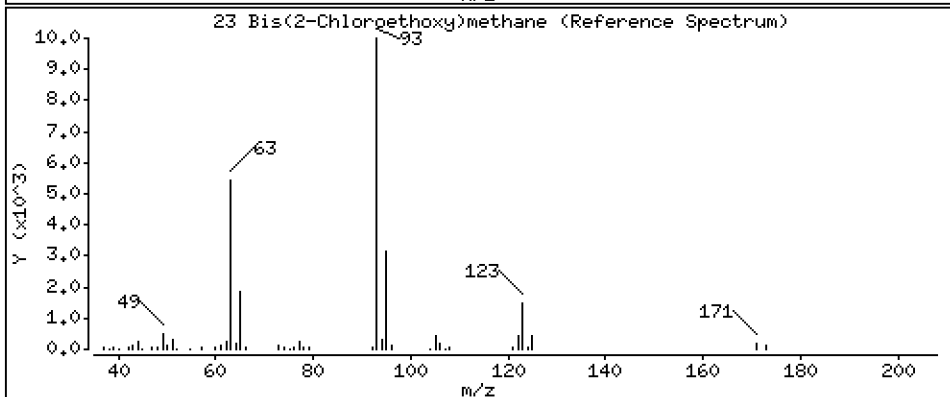
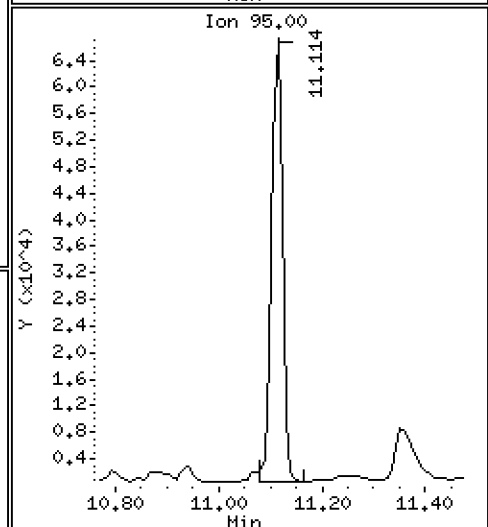
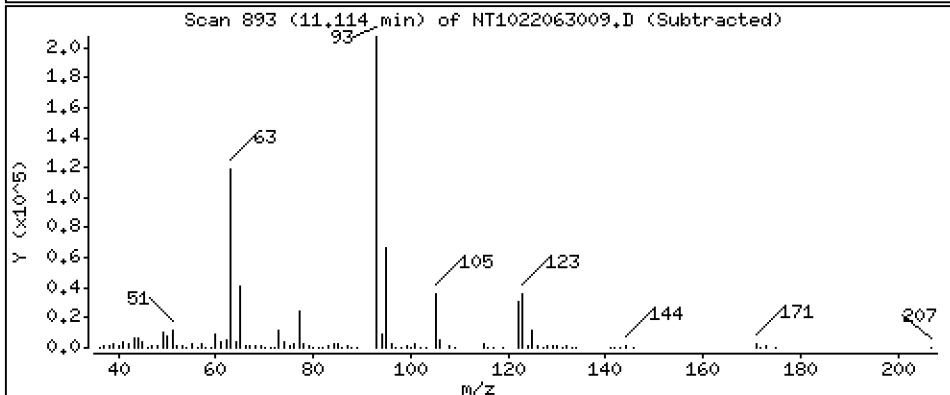
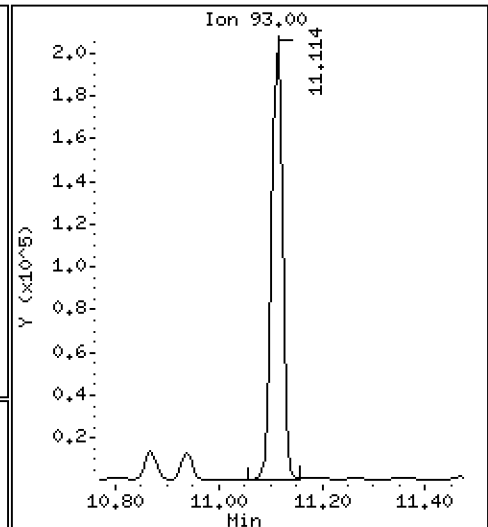
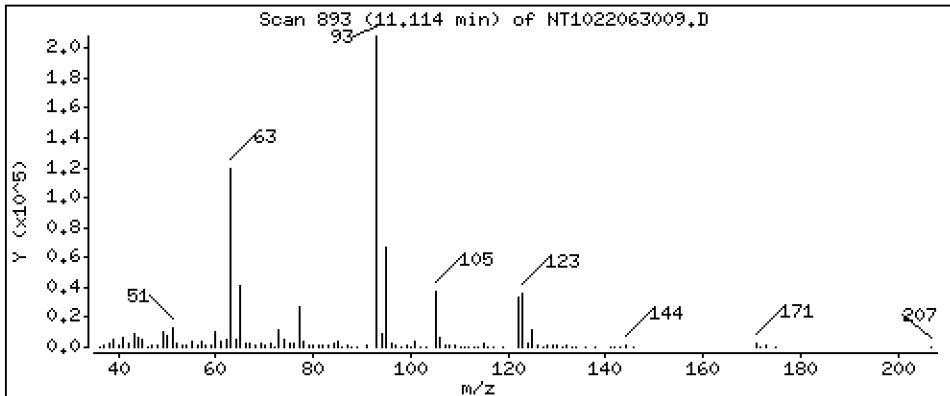
Operator: VTS

Column phase: ZB-5msi

Column diameter: 0,25

23 Bis(2-Chloroethoxy)methane

Concentration: 4,369 ug/mL



Date : 30-JUN-2022 18:44

Client ID:

Instrument: nt10.i

Sample Info: BKF0469-MS1

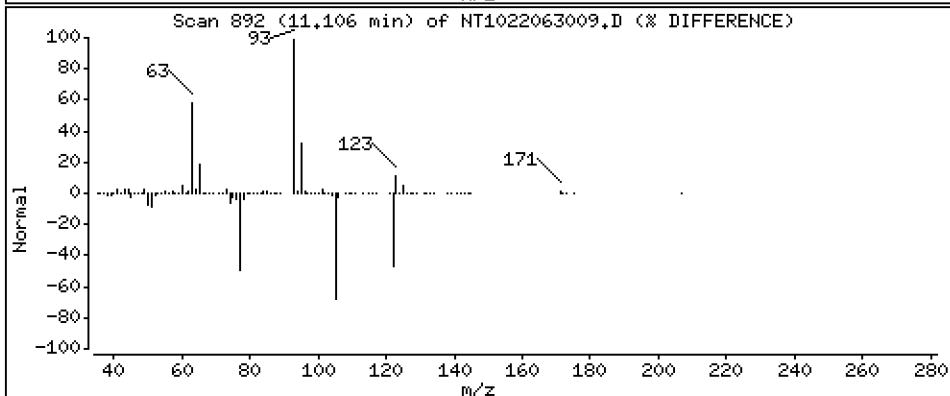
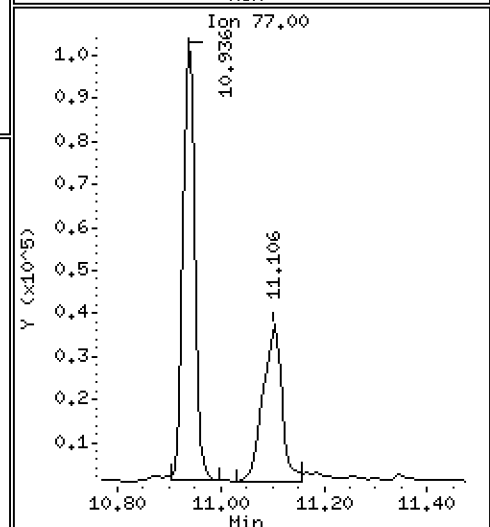
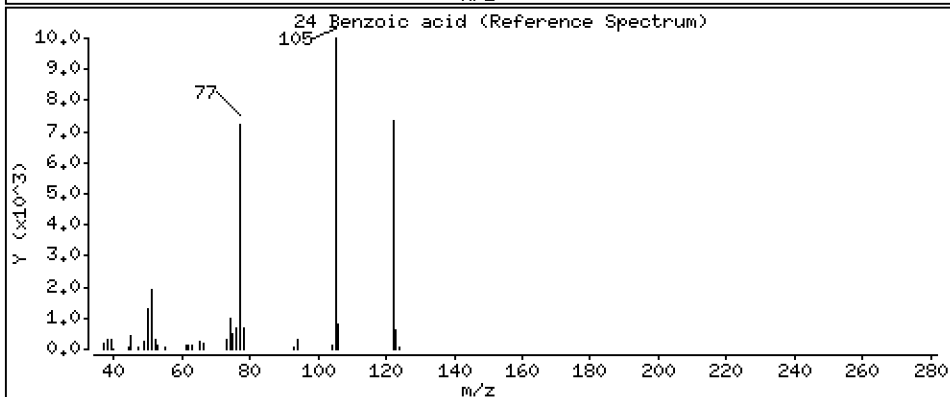
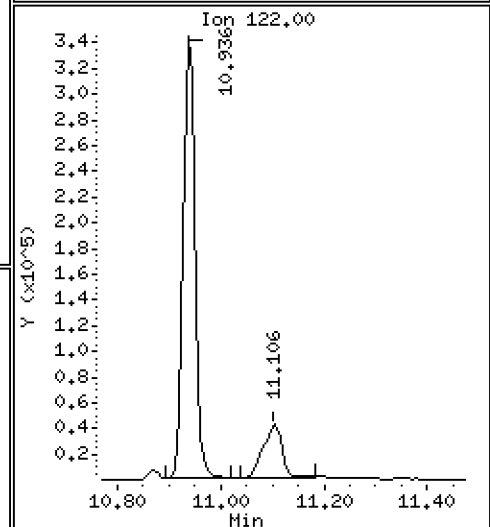
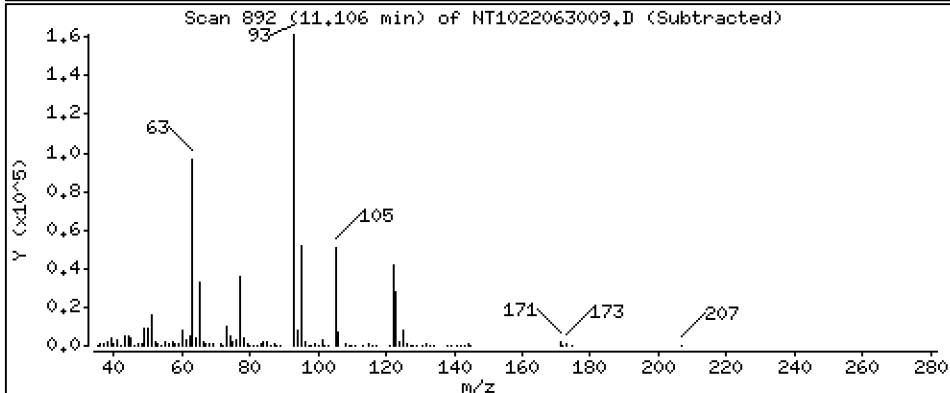
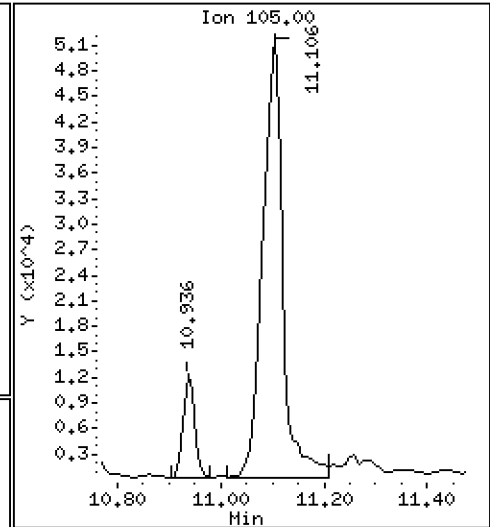
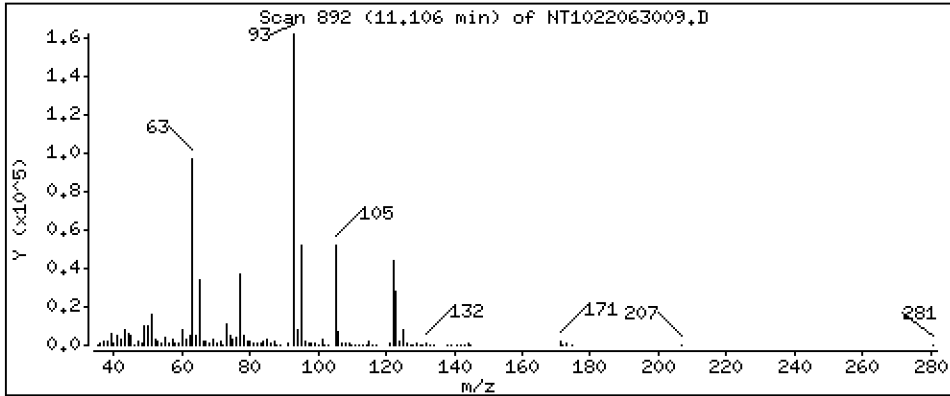
Operator: VTS

Column phase: ZB-5msi

Column diameter: 0,25

24 Benzoic acid

Concentration: 4,309 ug/mL



Date : 30-JUN-2022 18:44

Client ID:

Instrument: nt10.i

Sample Info: BKF0469-MS1

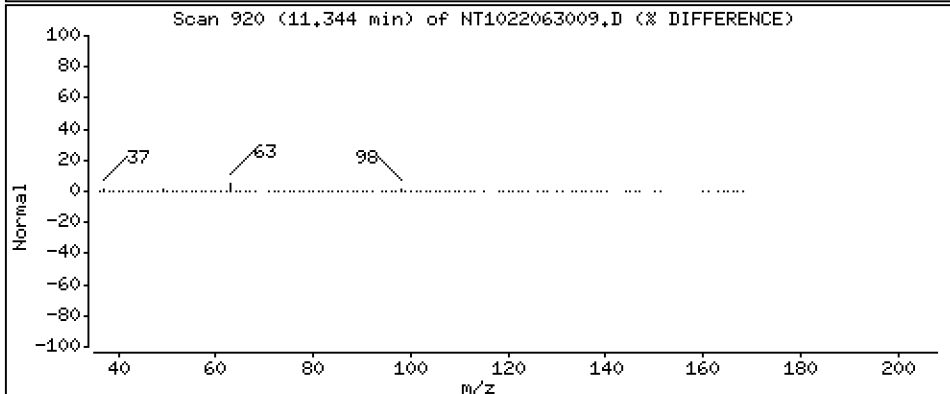
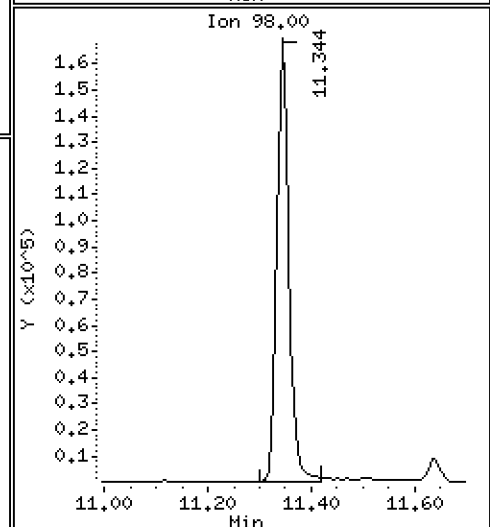
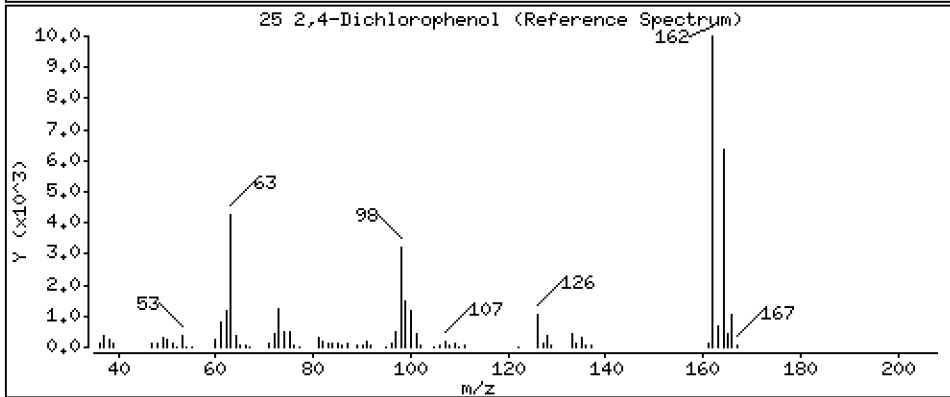
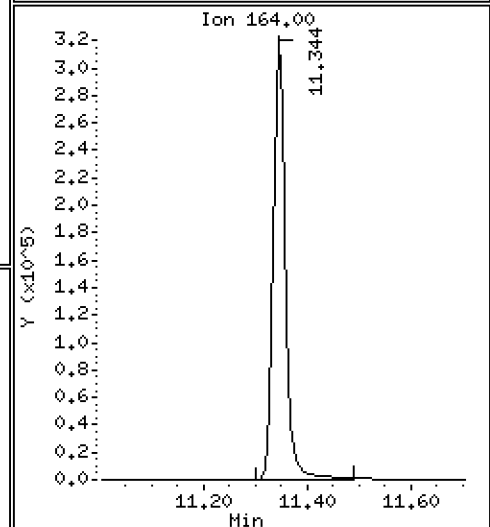
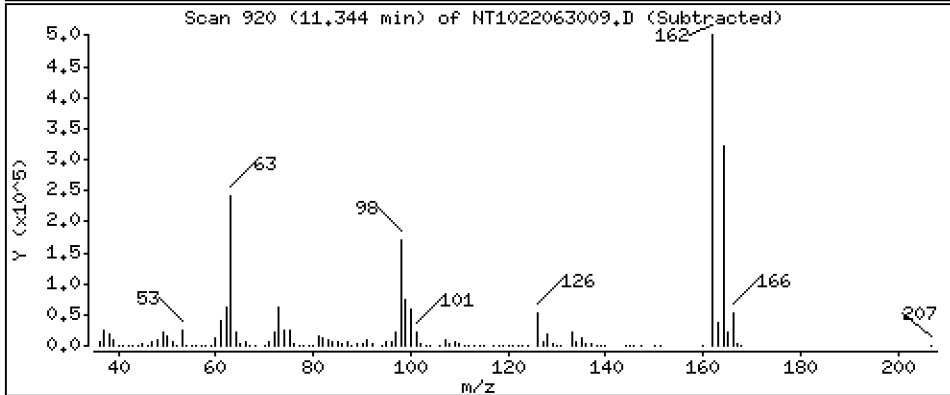
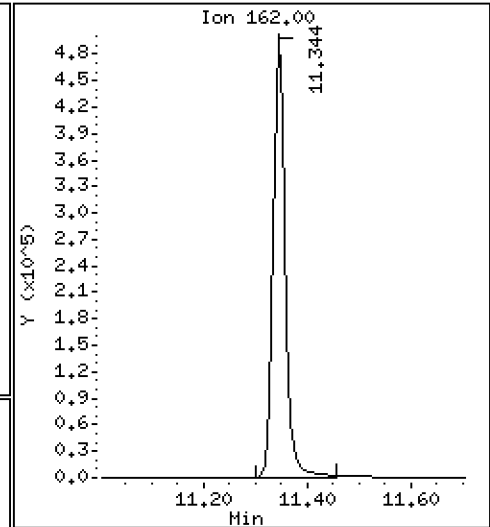
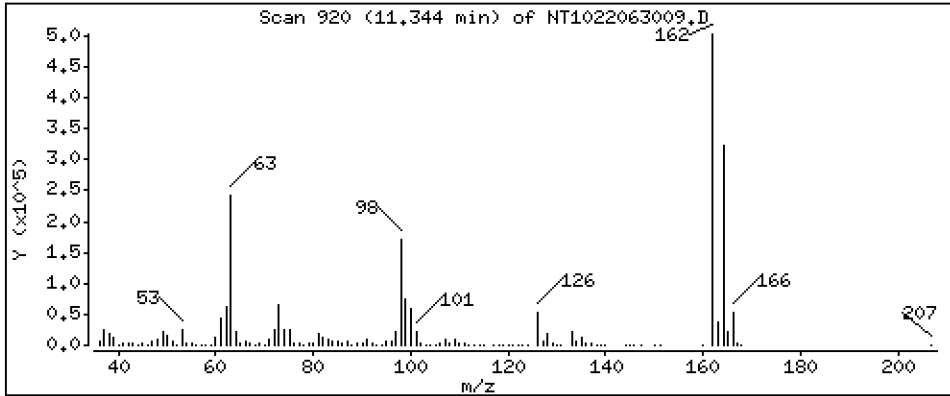
Operator: VTS

Column phase: ZB-5msi

Column diameter: 0,25

25 2,4-Dichlorophenol

Concentration: 13,95 ug/mL



Date : 30-JUN-2022 18:44

Client ID:

Instrument: nt10.i

Sample Info: BKF0469-MS1

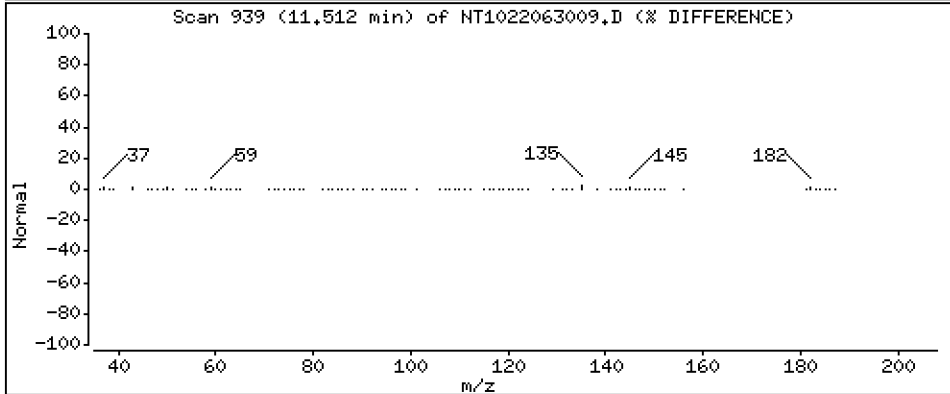
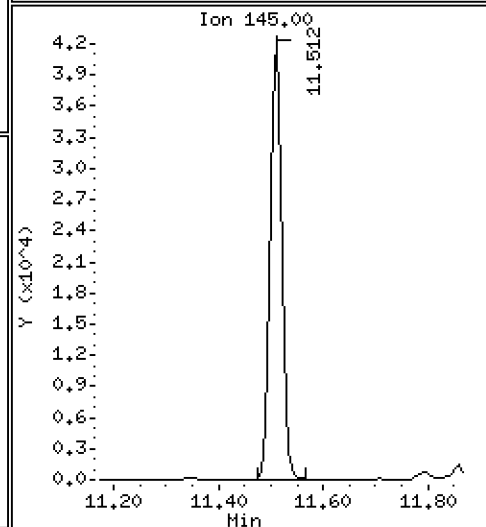
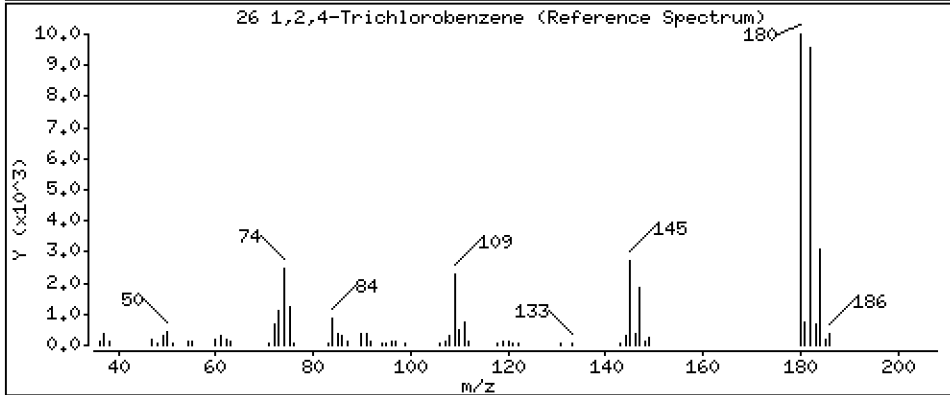
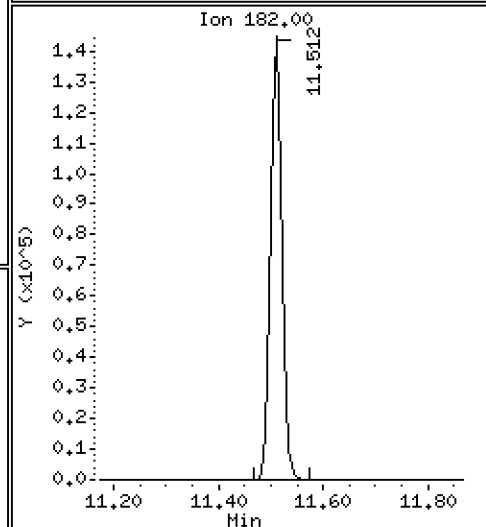
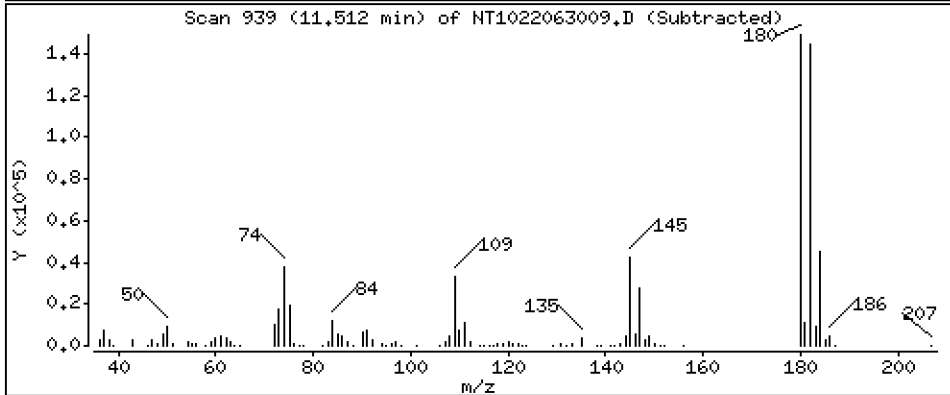
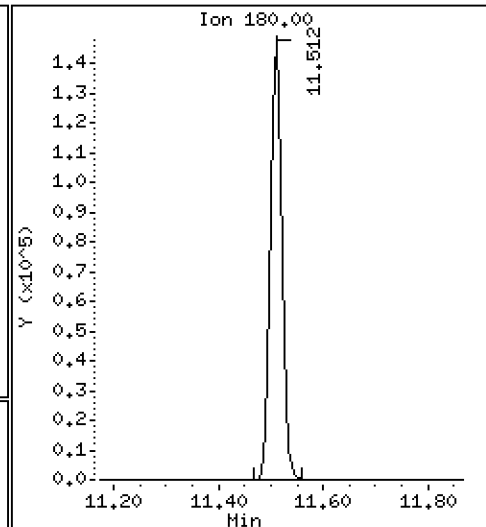
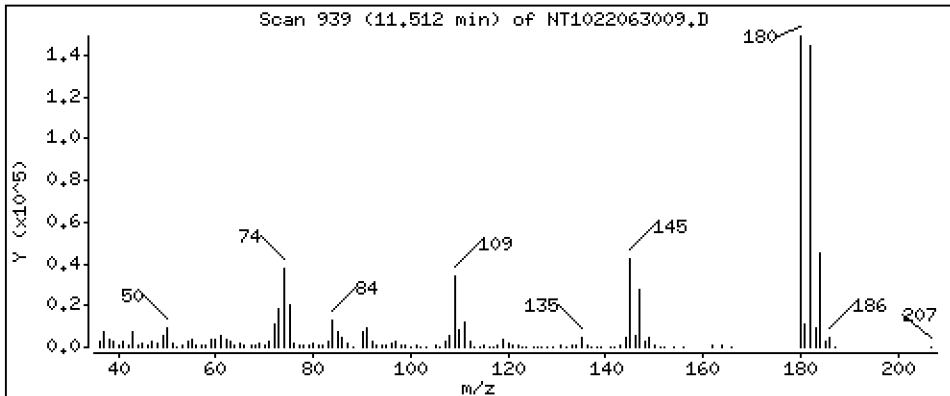
Operator: VTS

Column phase: ZB-5msi

Column diameter: 0,25

26 1,2,4-Trichlorobenzene

Concentration: 3,527 ug/mL



Date : 30-JUN-2022 18:44

Client ID:

Instrument: nt10.i

Sample Info: BKF0469-MS1

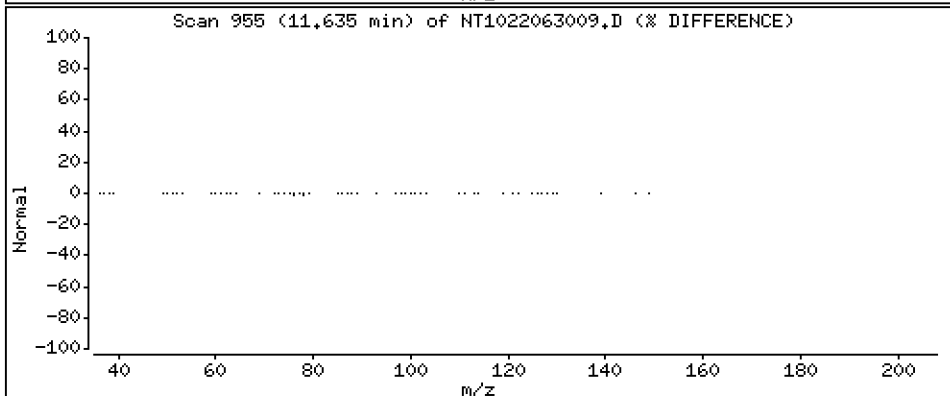
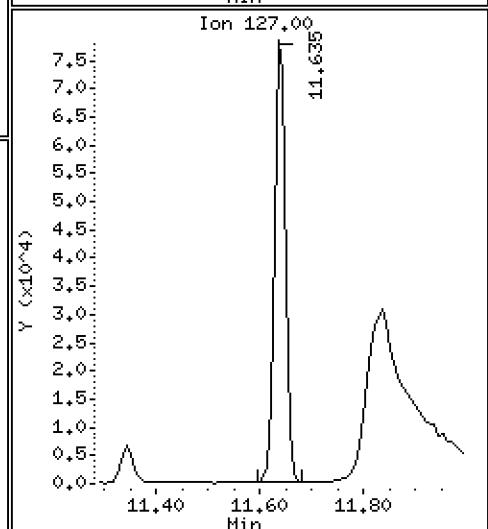
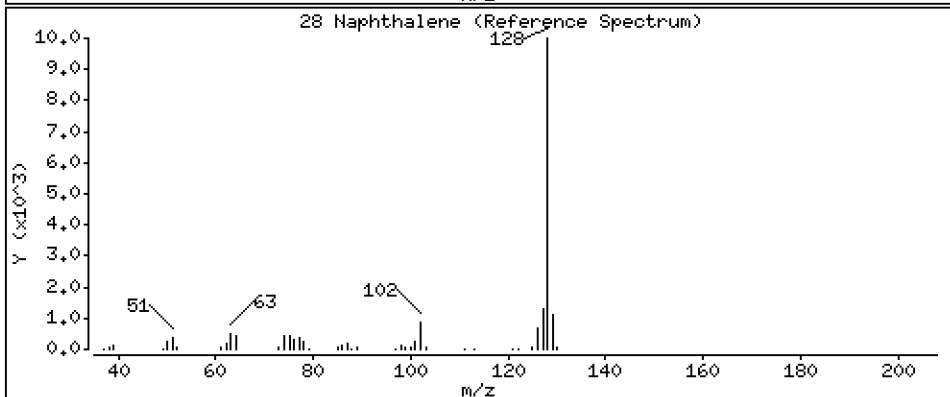
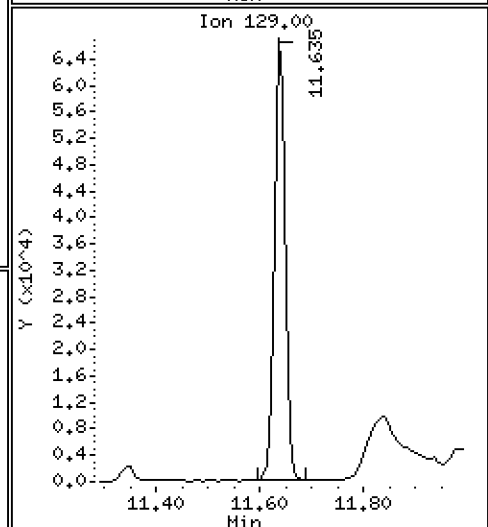
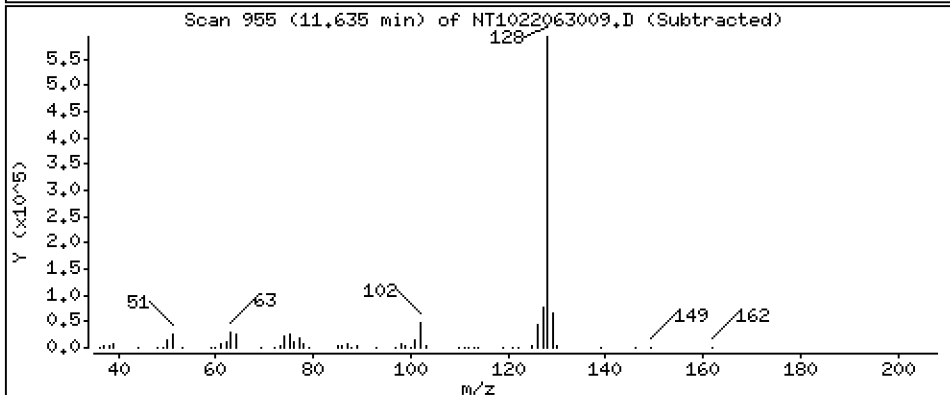
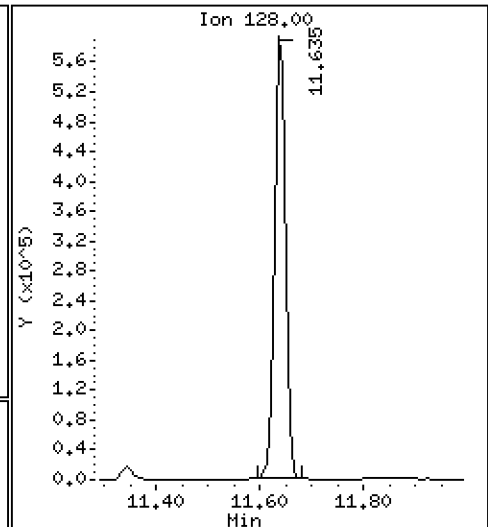
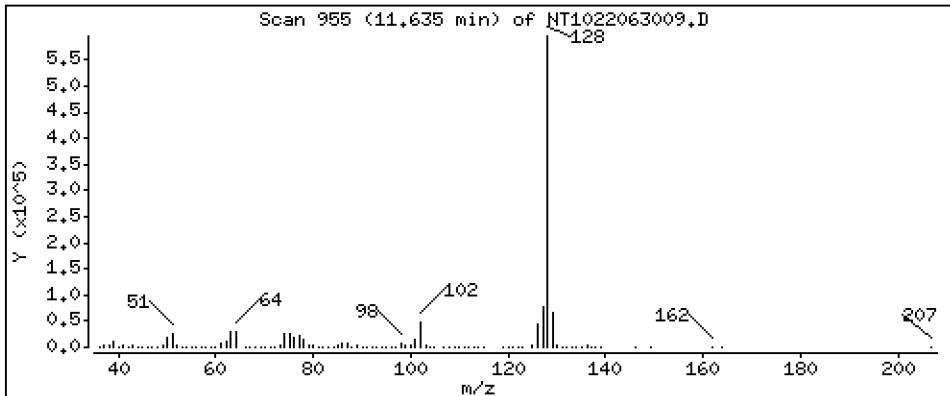
Operator: VTS

Column phase: ZB-5msi

Column diameter: 0,25

28 Naphthalene

Concentration: 4,708 ug/mL



Date : 30-JUN-2022 18:44

Client ID:

Instrument: nt10.i

Sample Info: BKF0469-MS1

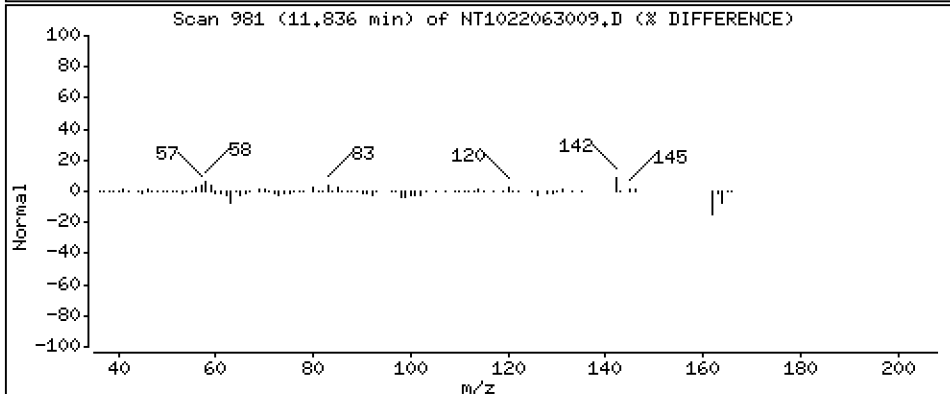
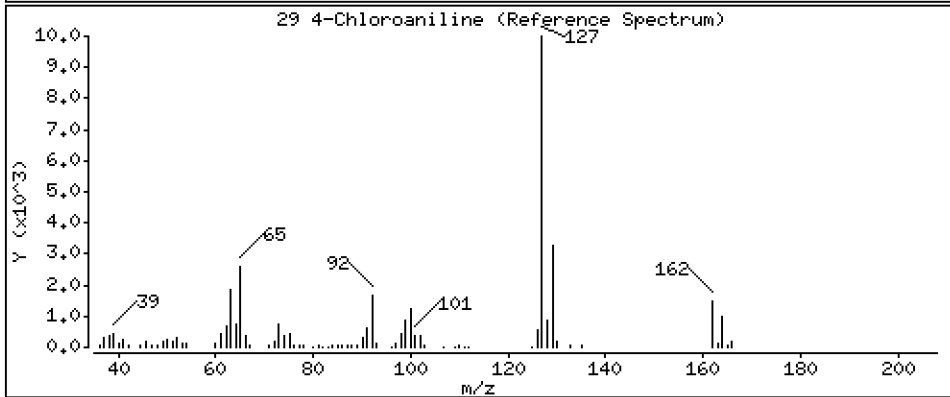
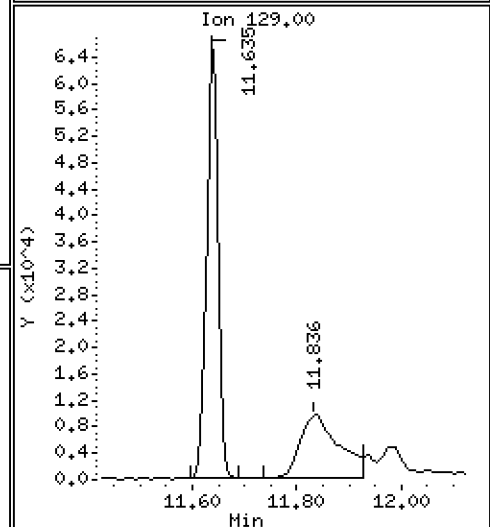
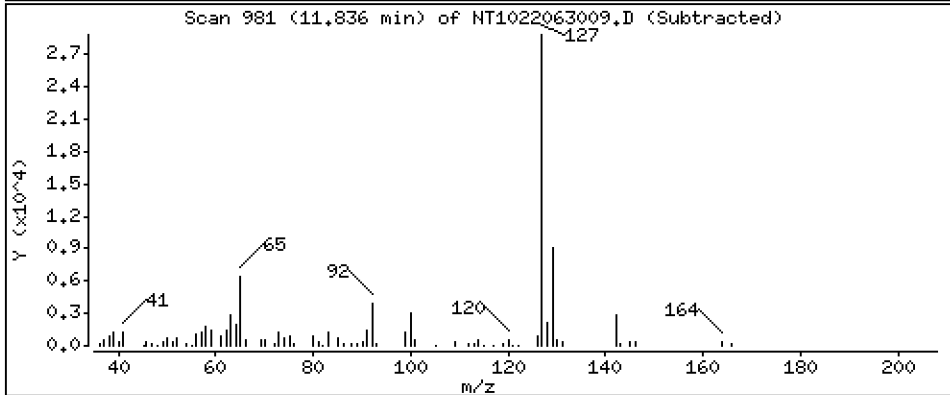
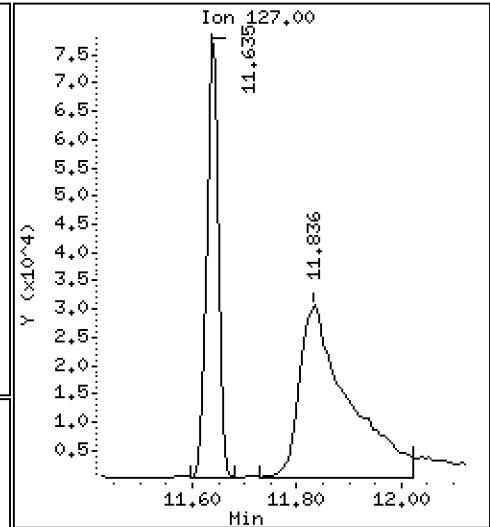
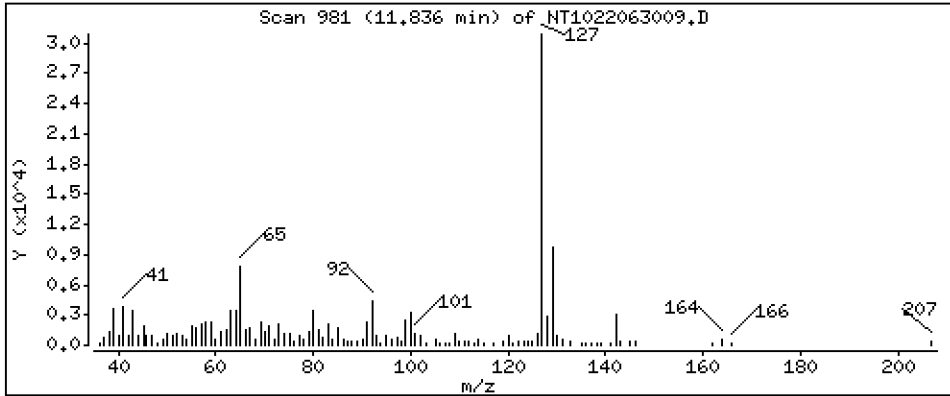
Operator: VTS

Column phase: ZB-5msi

Column diameter: 0,25

29 4-Chloroaniline

Concentration: 2,306 ug/mL



Date : 30-JUN-2022 18:44

Client ID:

Instrument: nt10.i

Sample Info: BKF0469-MS1

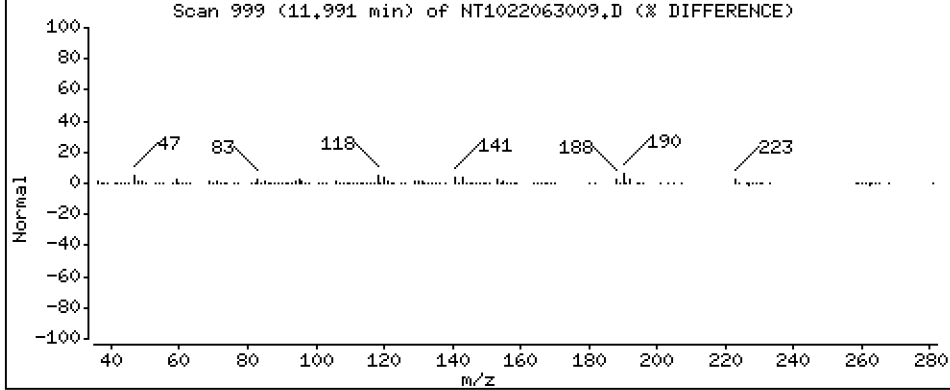
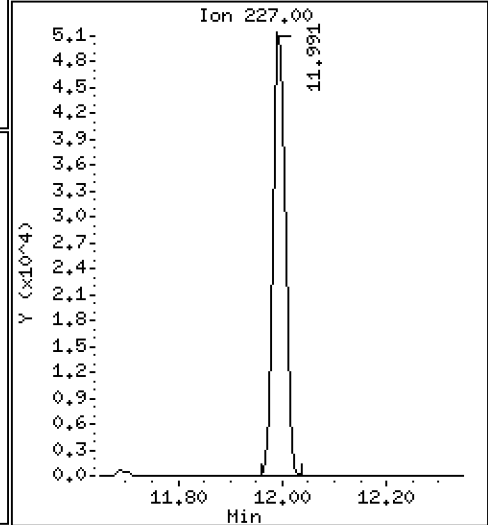
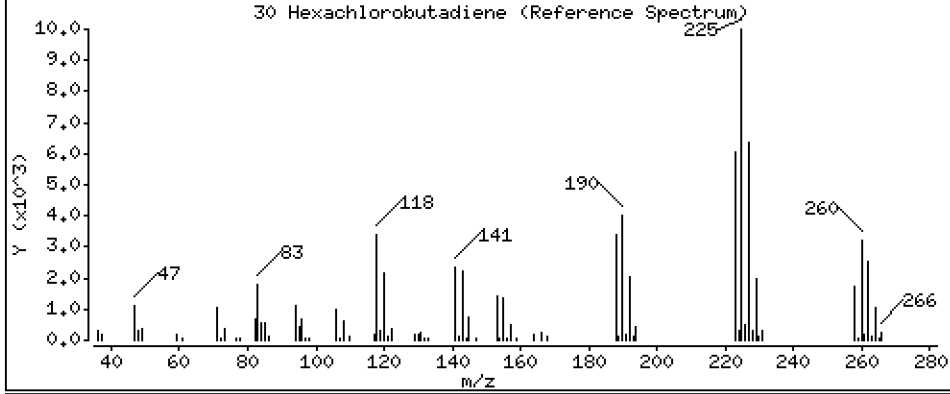
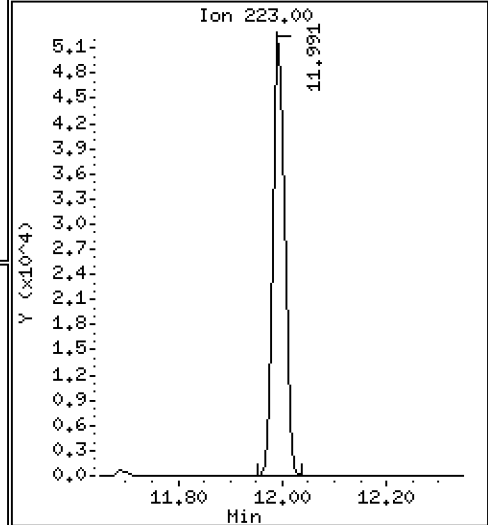
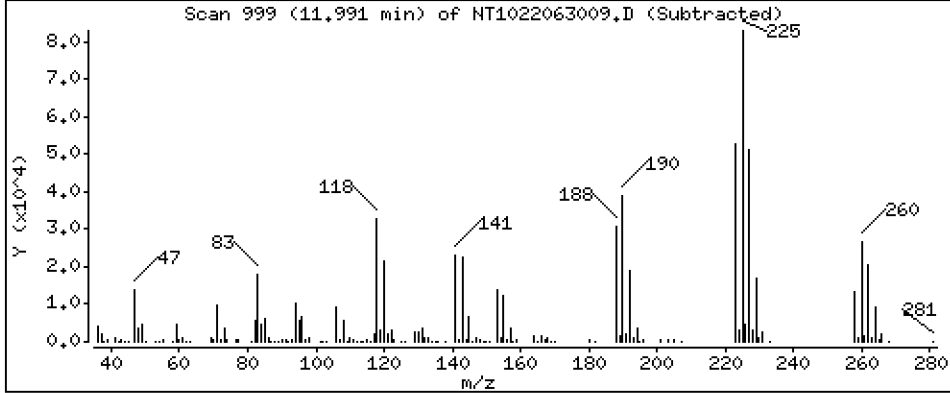
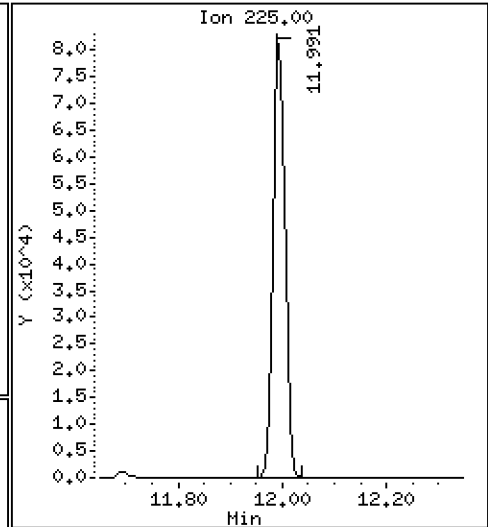
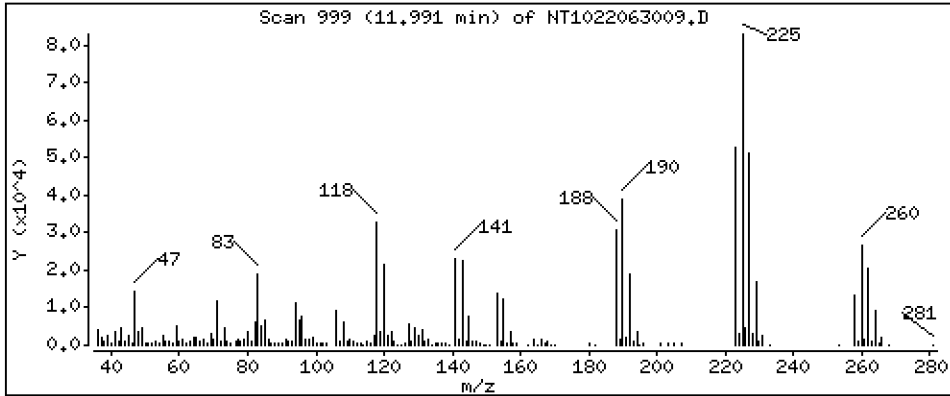
Operator: VTS

Column phase: ZB-5msi

Column diameter: 0,25

30 Hexachlorobutadiene

Concentration: 3,877 ug/mL



Date : 30-JUN-2022 18:44

Client ID:

Instrument: nt10.i

Sample Info: BKF0469-MS1

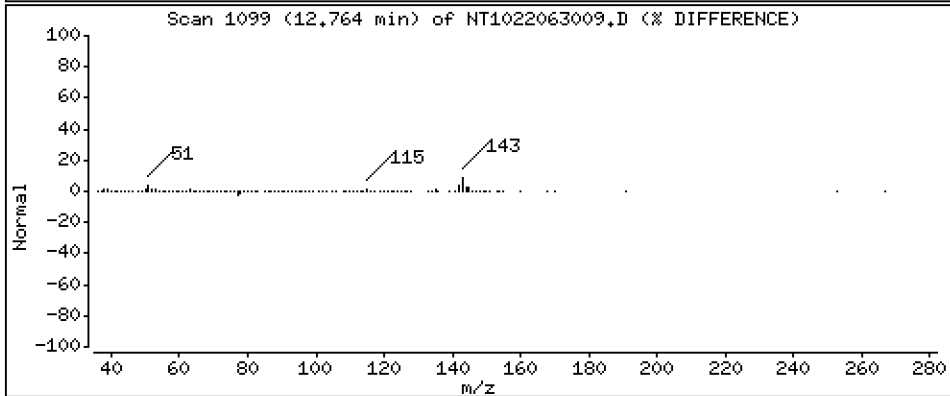
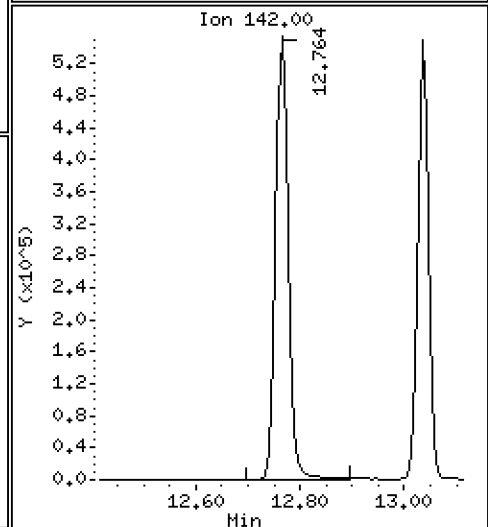
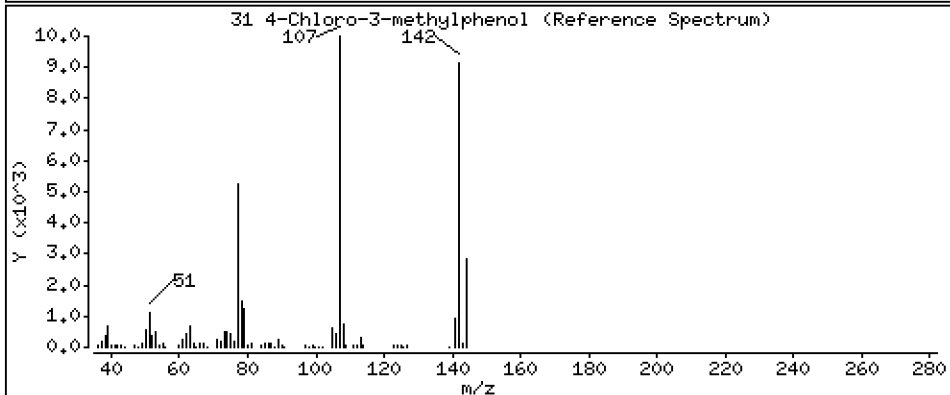
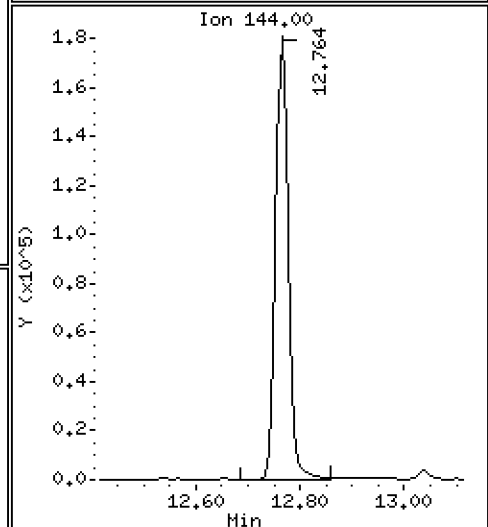
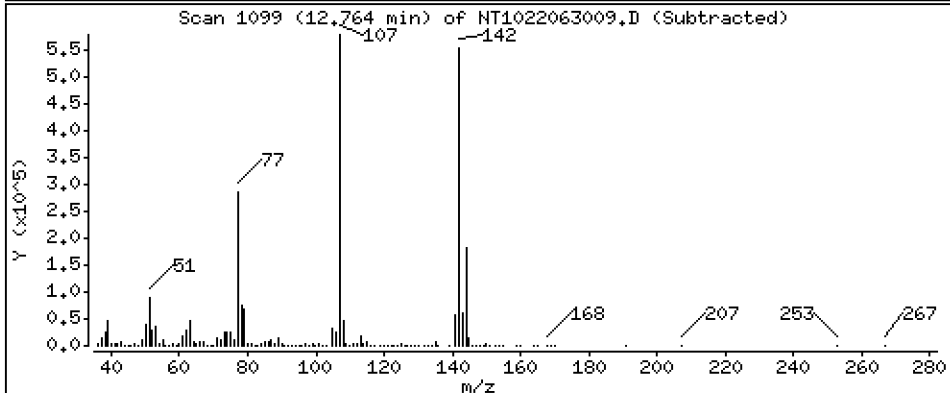
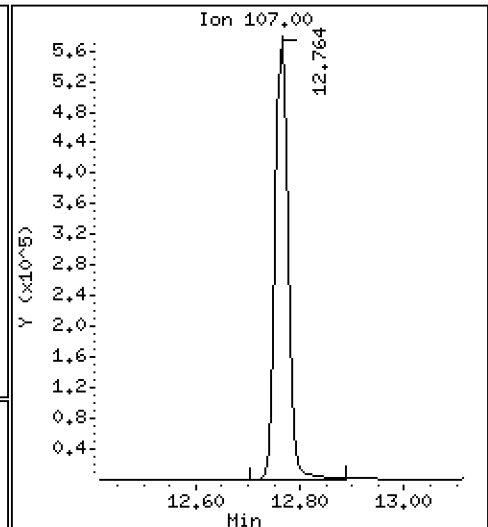
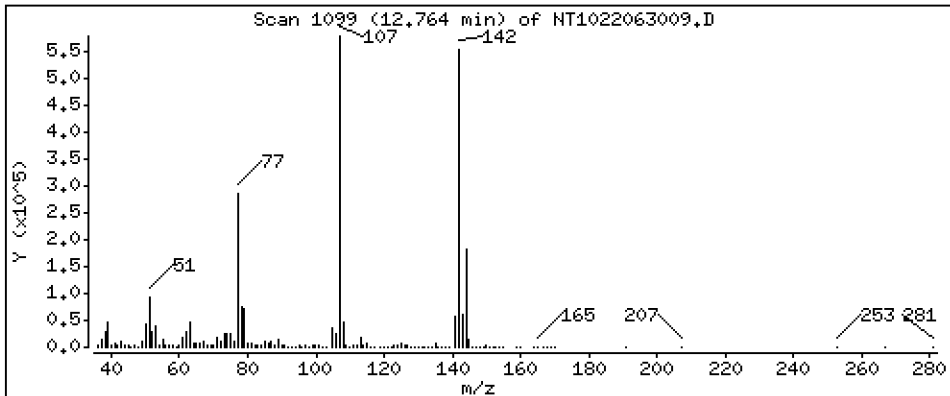
Operator: VTS

Column phase: ZB-5msi

Column diameter: 0,25

31 4-Chloro-3-methylphenol

Concentration: 12,45 ug/mL



Date : 30-JUN-2022 18:44

Client ID:

Instrument: nt10.i

Sample Info: BKF0469-MS1

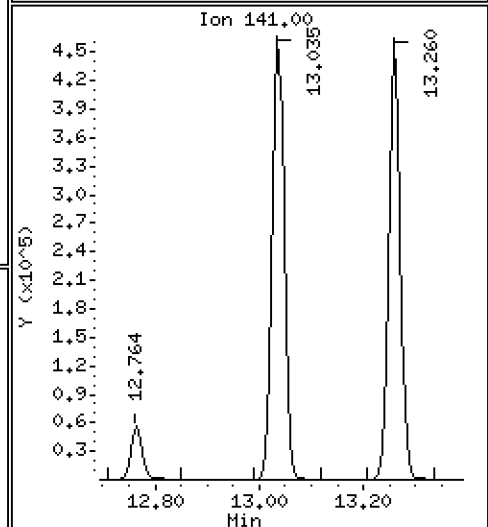
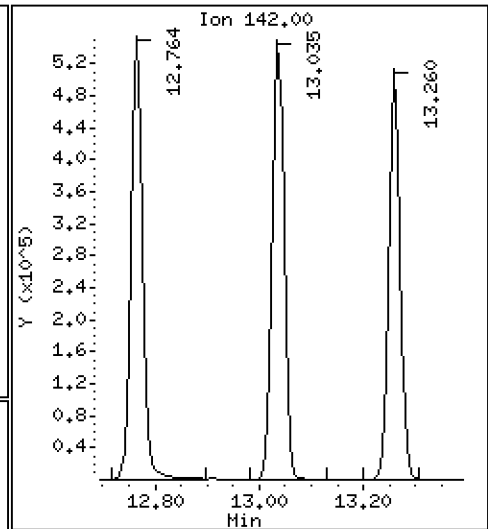
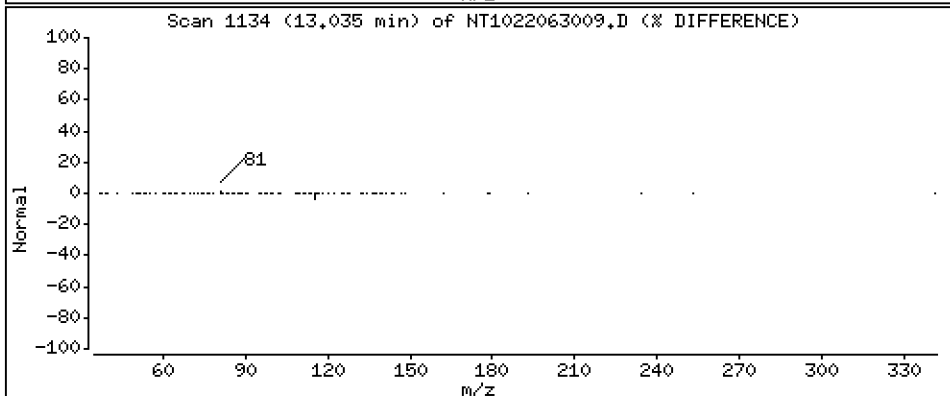
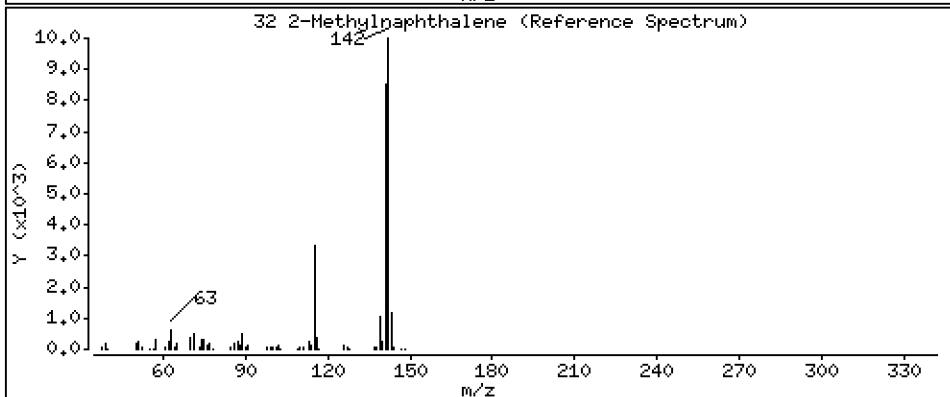
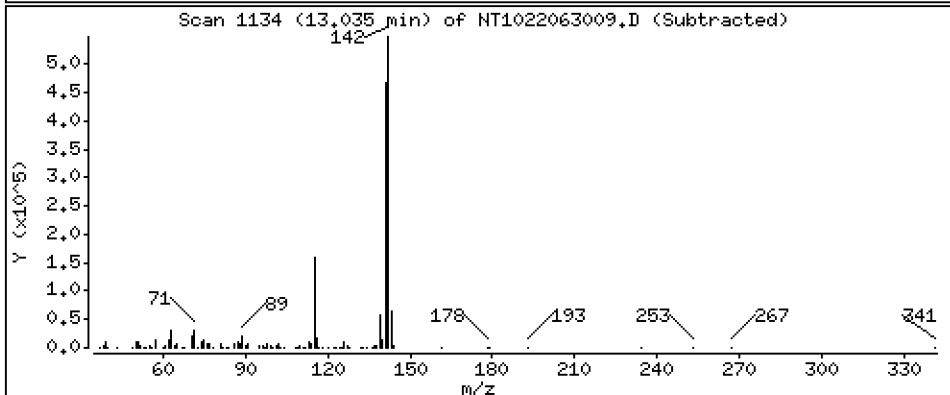
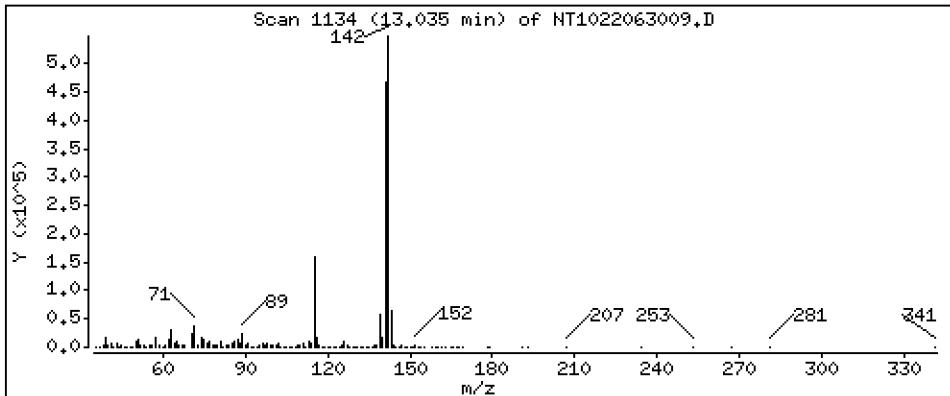
Operator: VTS

Column phase: ZB-5msi

Column diameter: 0,25

32 2-Methylnaphthalene

Concentration: 4,296 ug/mL



Date : 30-JUN-2022 18:44

Client ID:

Instrument: nt10.i

Sample Info: BKF0469-MS1

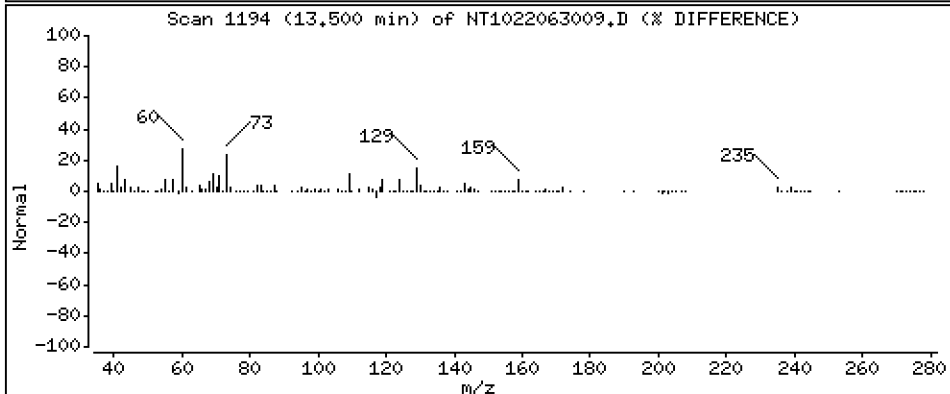
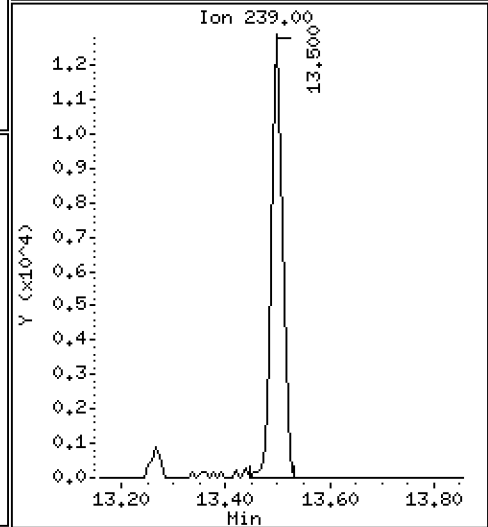
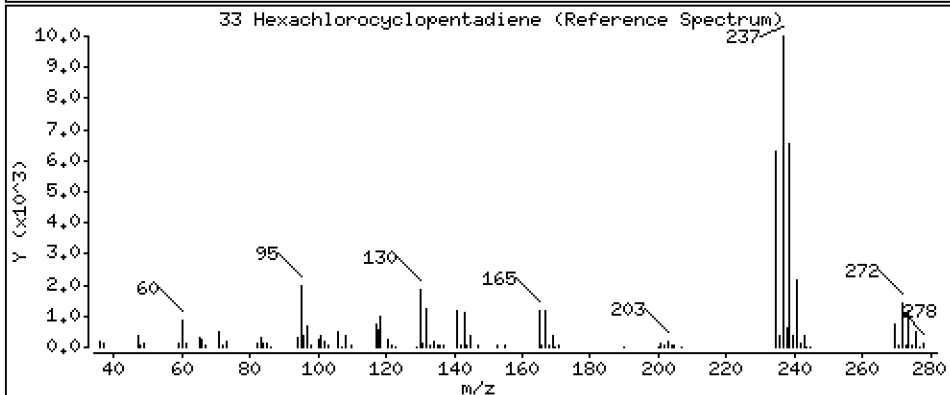
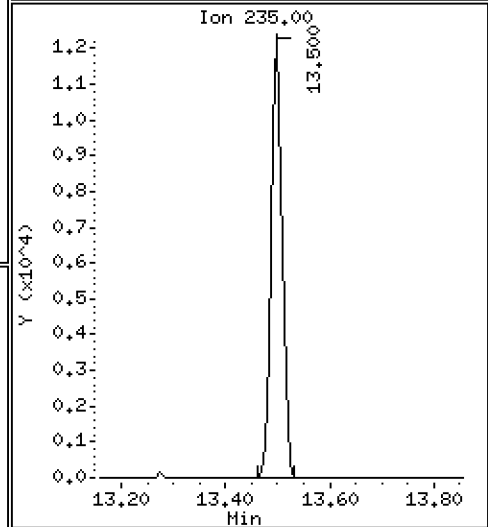
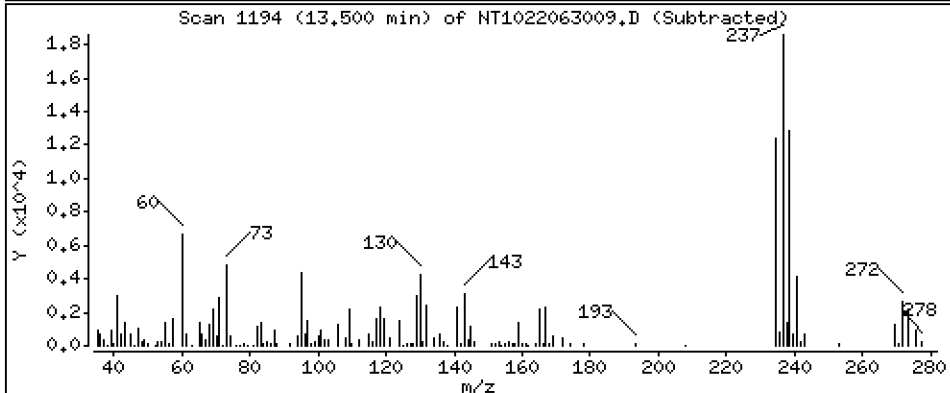
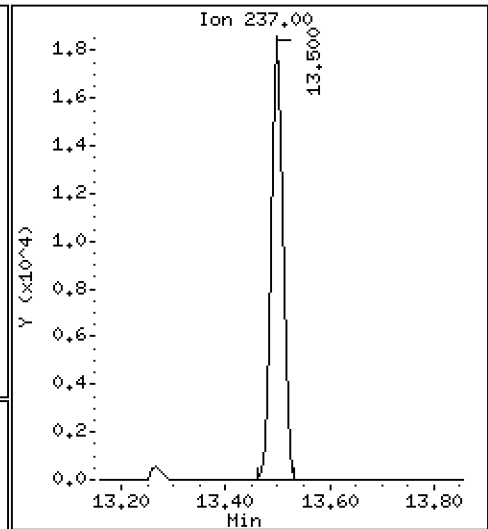
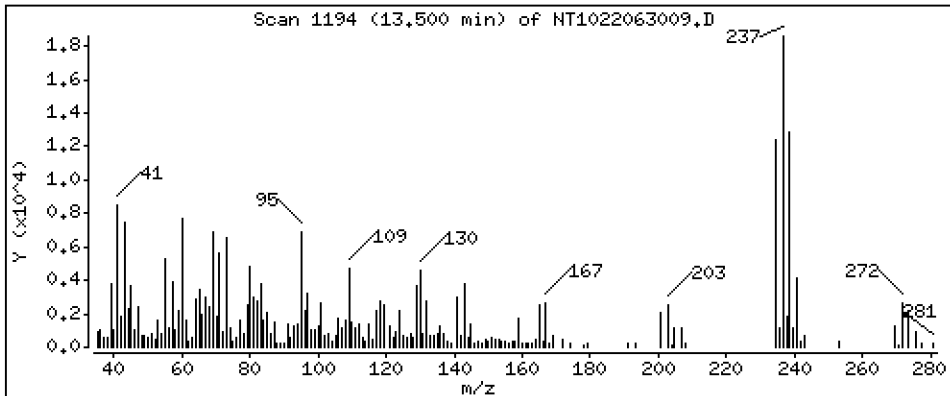
Operator: VTS

Column phase: ZB-5msi

Column diameter: 0,25

33 Hexachlorocyclopentadiene

Concentration: 1,219 ug/mL



Date : 30-JUN-2022 18:44

Client ID:

Instrument: nt10.i

Sample Info: BKF0469-MS1

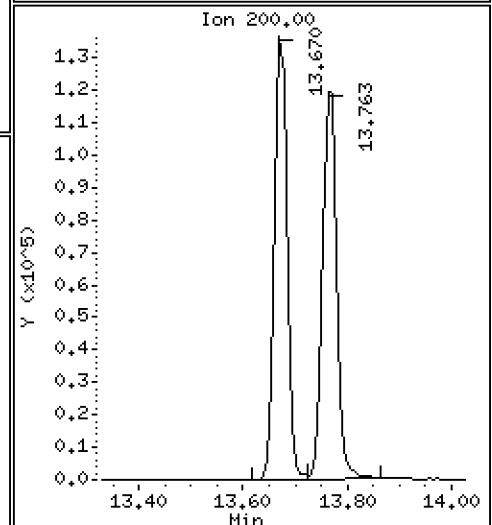
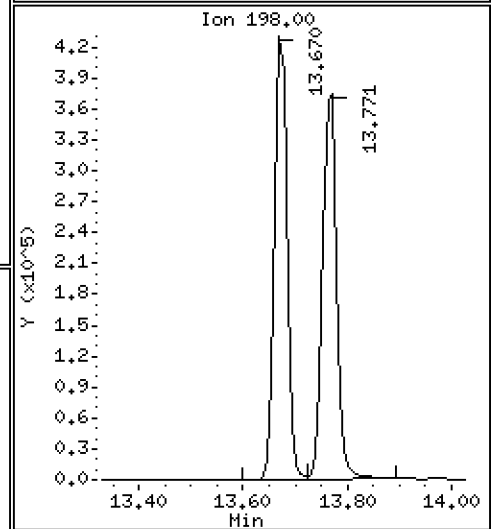
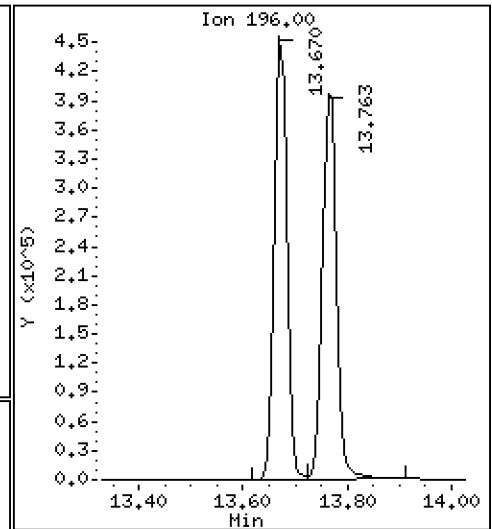
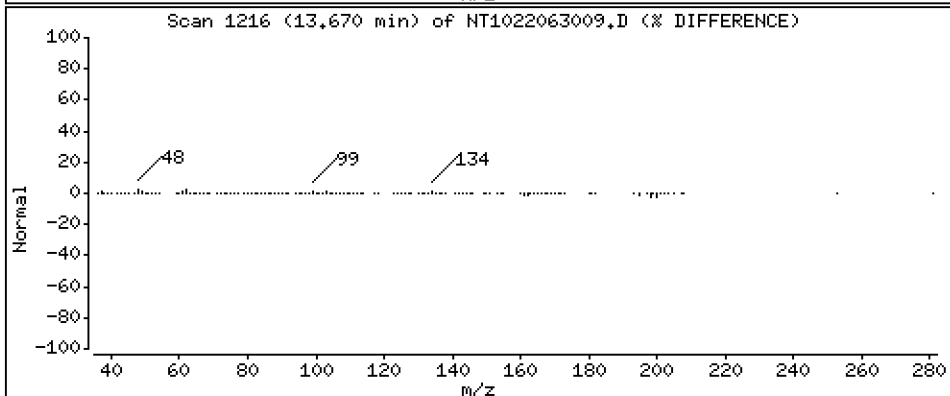
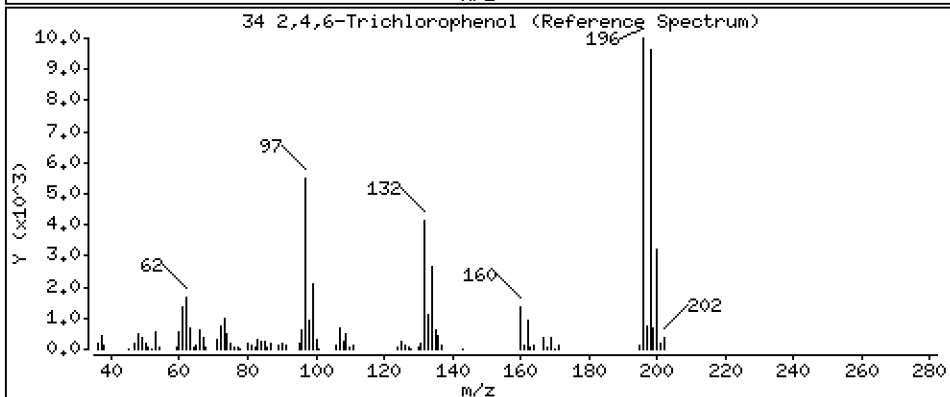
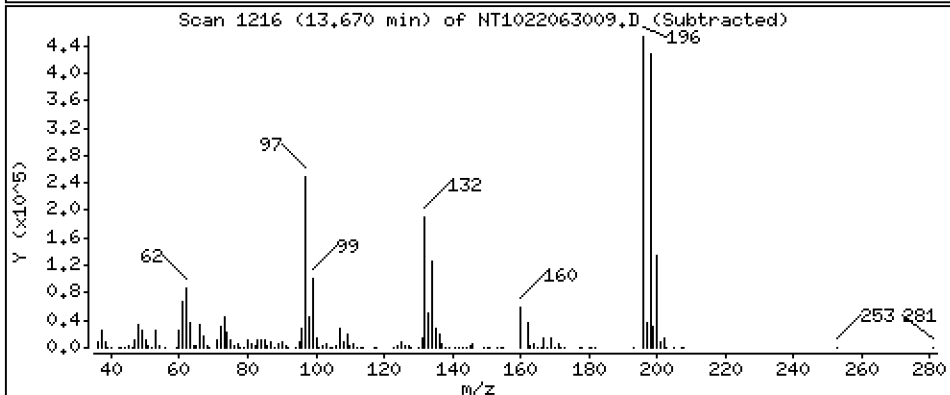
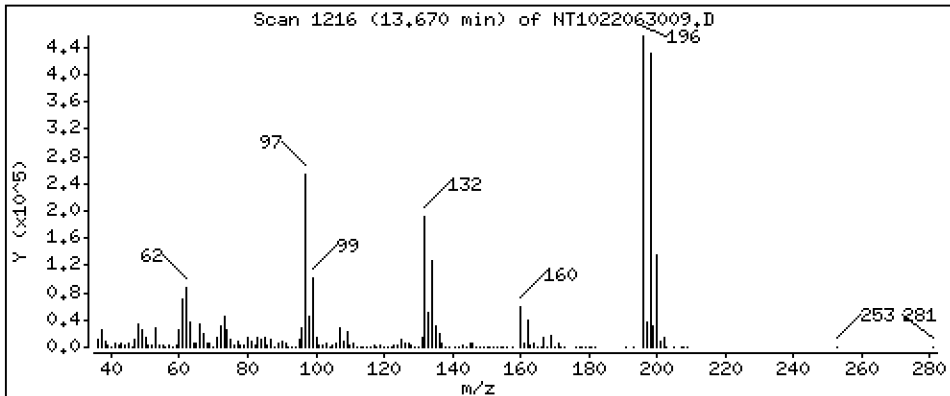
Operator: VTS

Column phase: ZB-5msi

Column diameter: 0,25

34 2,4,6-Trichlorophenol

Concentration: 15,68 ug/mL



Date : 30-JUN-2022 18:44

Client ID:

Instrument: nt10.i

Sample Info: BKF0469-MS1

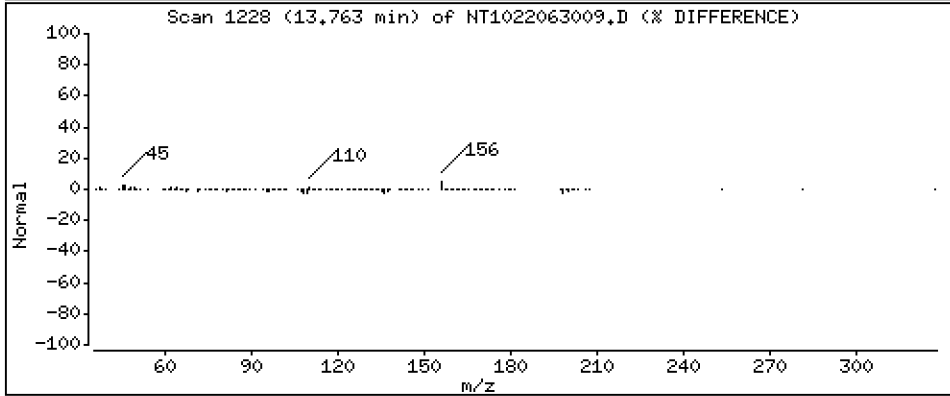
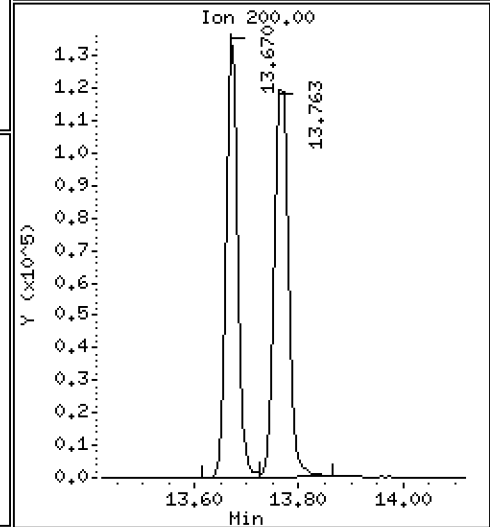
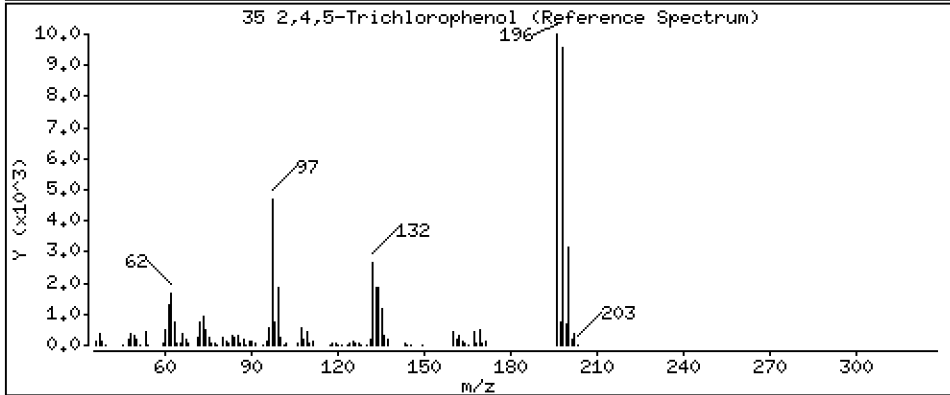
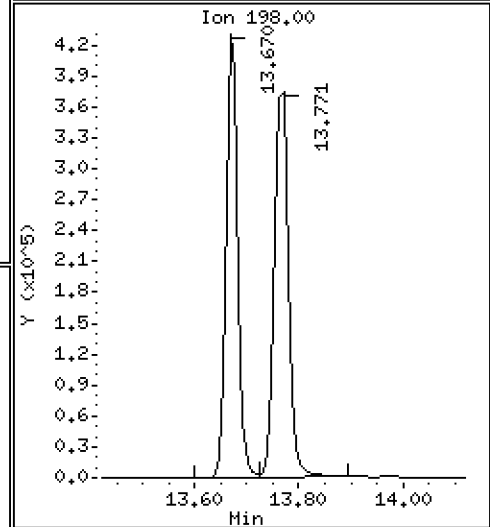
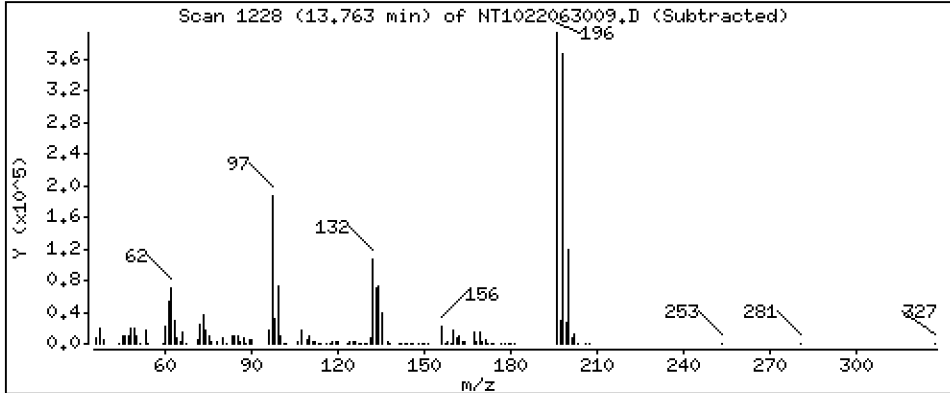
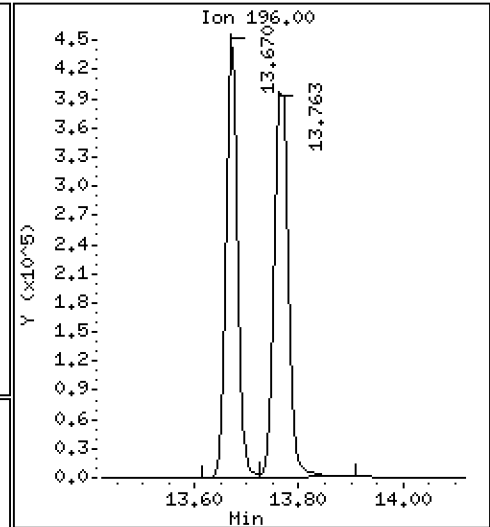
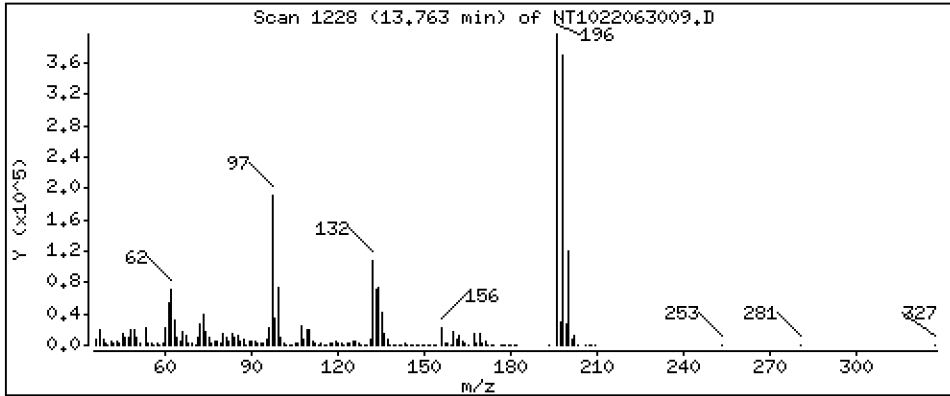
Operator: VTS

Column phase: ZB-5msi

Column diameter: 0,25

35 2,4,5-Trichlorophenol

Concentration: 13,14 ug/mL



Date : 30-JUN-2022 18:44

Client ID:

Instrument: nt10.i

Sample Info: BKF0469-MS1

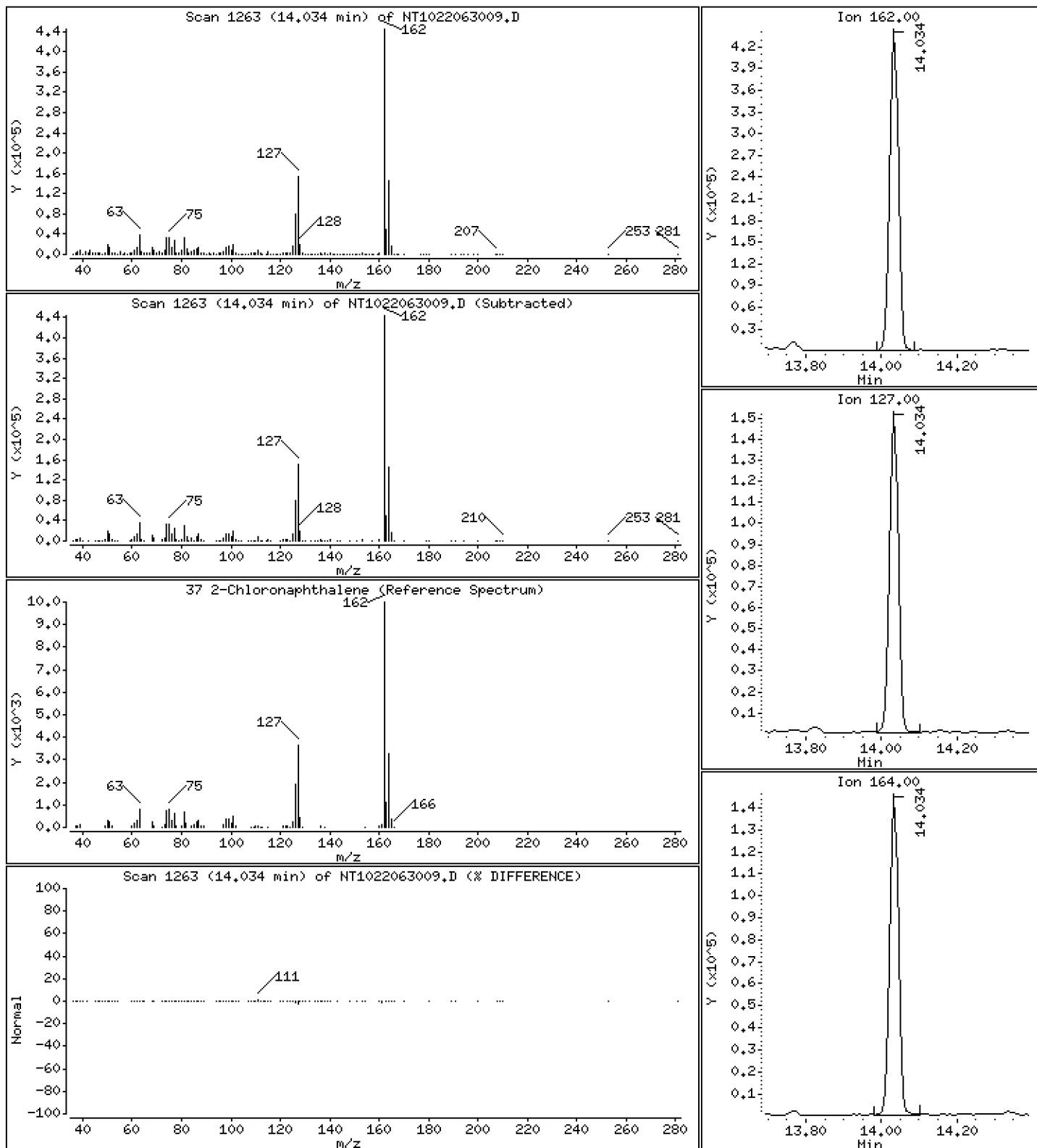
Operator: VTS

Column phase: ZB-5msi

Column diameter: 0,25

37 2-Chloronaphthalene

Concentration: 4,114 ug/mL



Date : 30-JUN-2022 18:44

Client ID:

Instrument: nt10.i

Sample Info: BKF0469-MS1

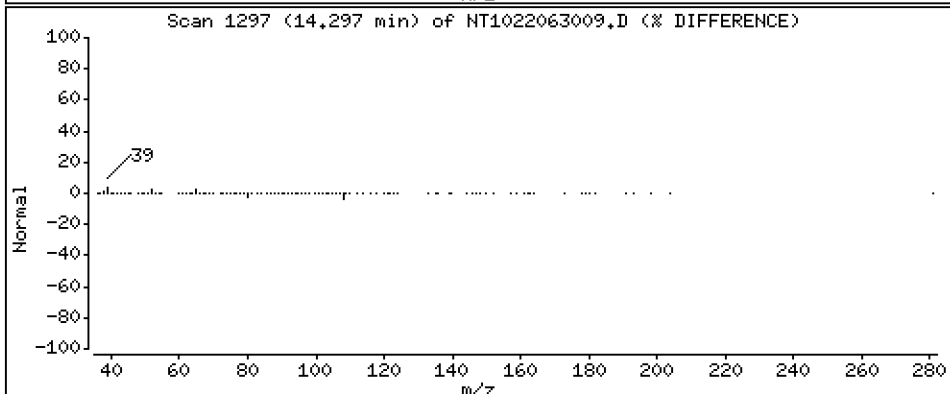
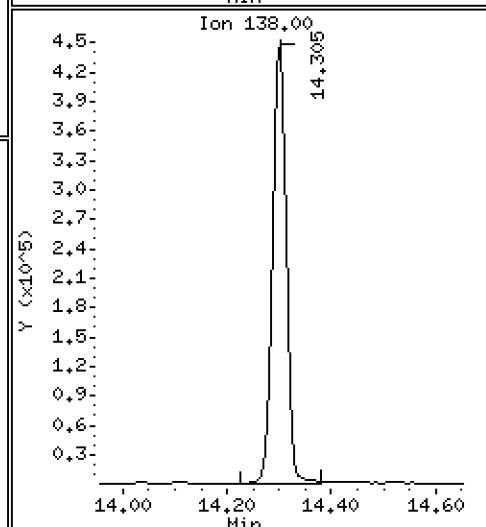
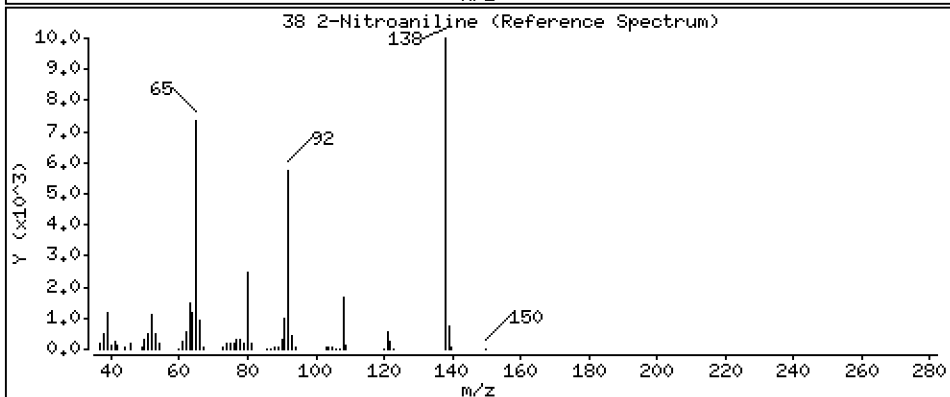
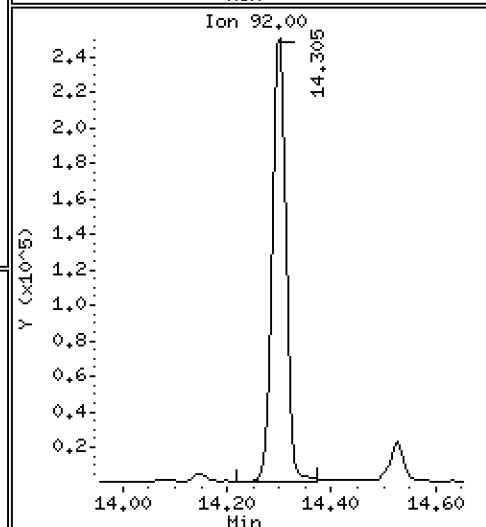
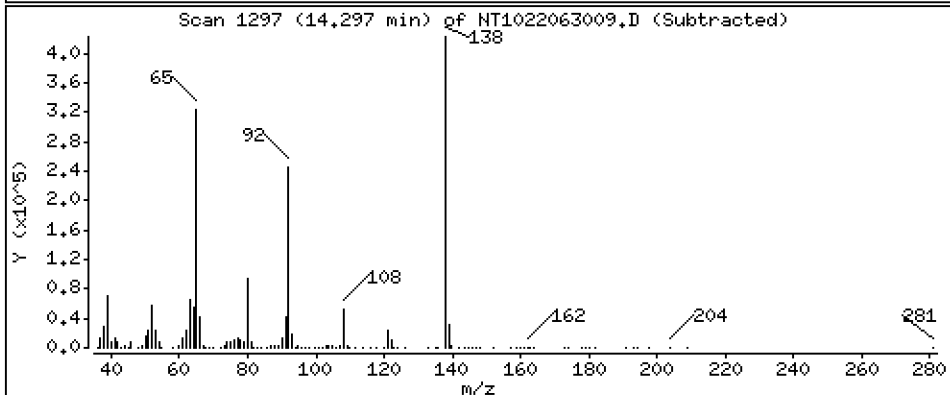
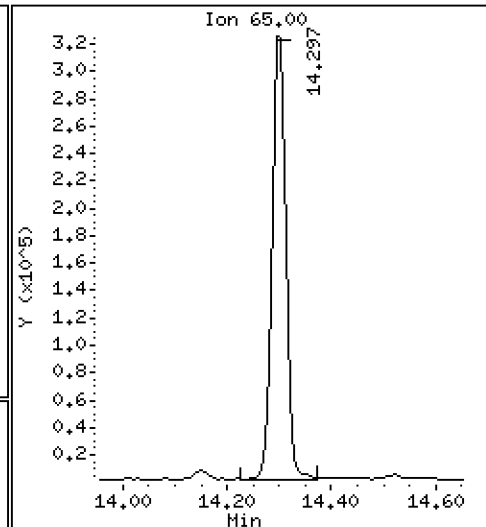
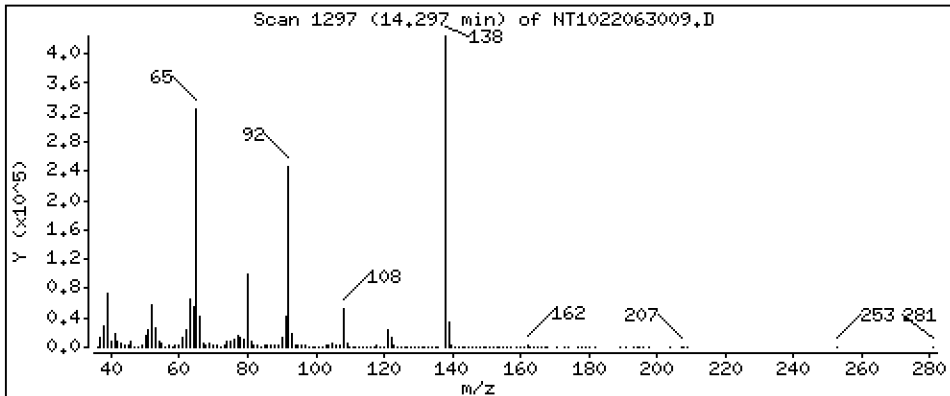
Operator: VTS

Column phase: ZB-5msi

Column diameter: 0,25

38 2-Nitroaniline

Concentration: 13,22 ug/mL



Date : 30-JUN-2022 18:44

Client ID:

Instrument: nt10.i

Sample Info: BKF0469-MS1

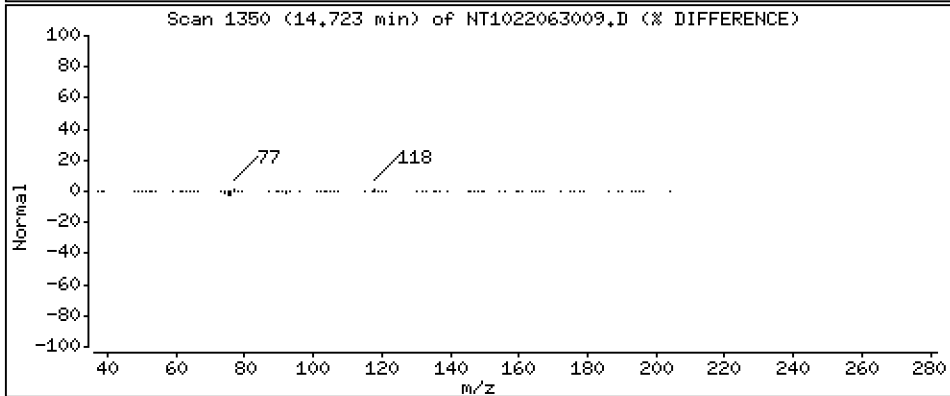
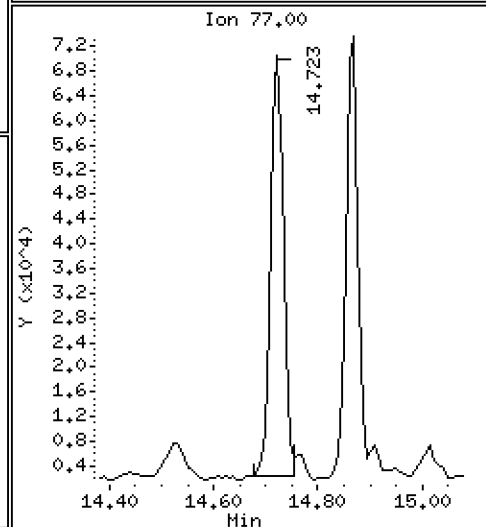
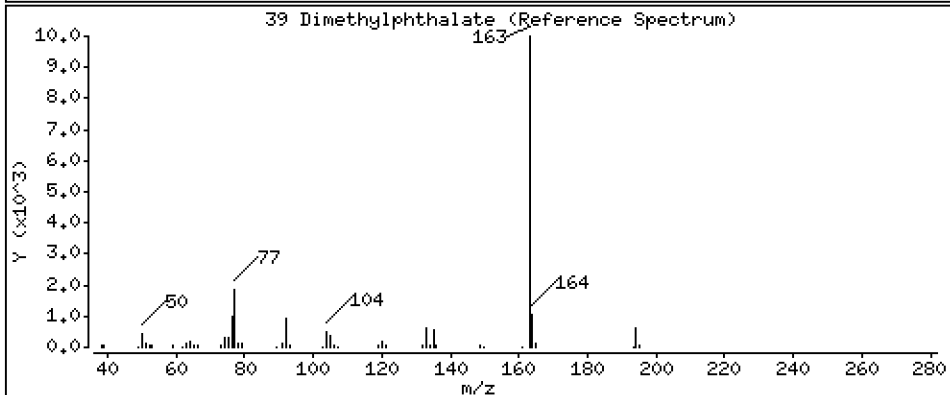
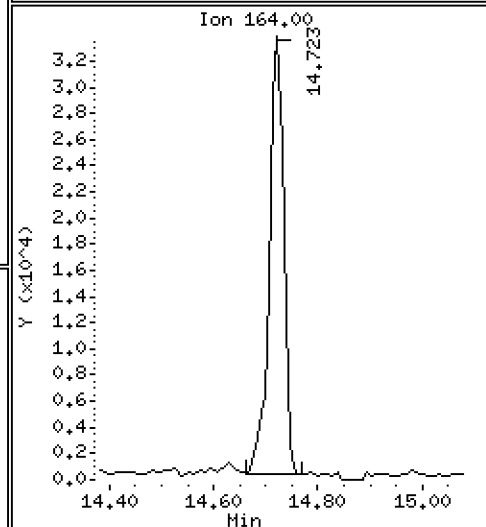
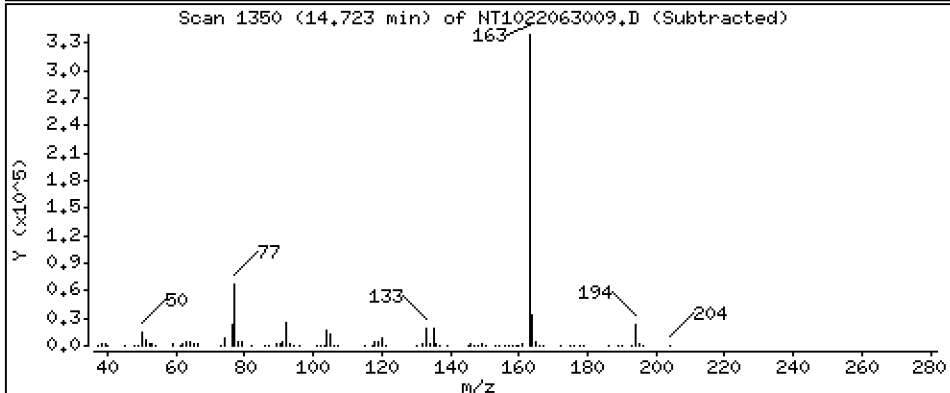
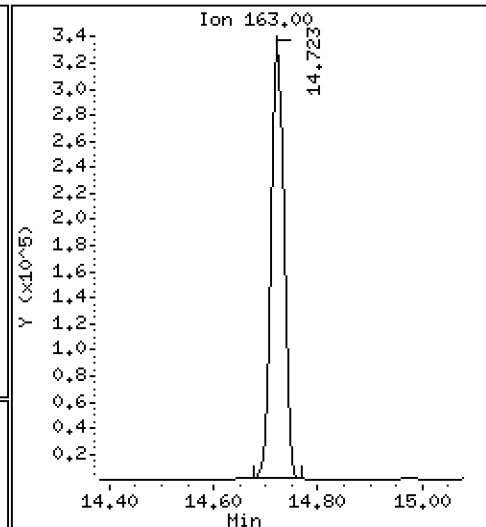
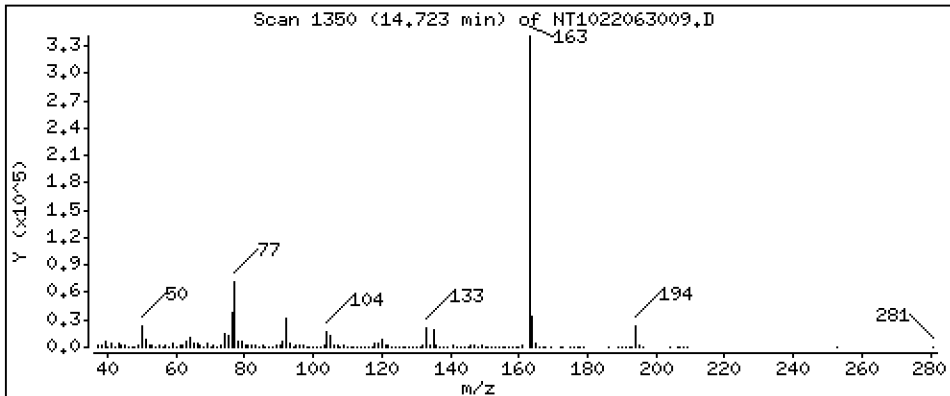
Operator: VTS

Column phase: ZB-5msi

Column diameter: 0,25

39 Dimethylphthalate

Concentration: 3,799 ug/mL



Date : 30-JUN-2022 18:44

Client ID:

Instrument: nt10.i

Sample Info: BKF0469-MS1

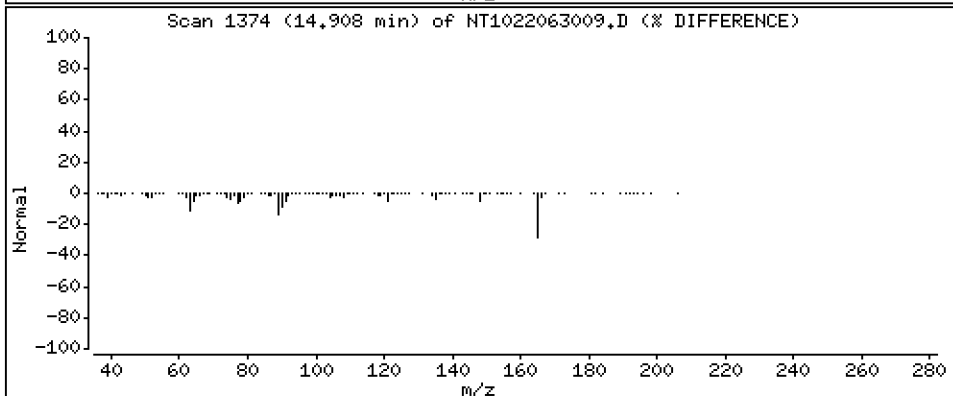
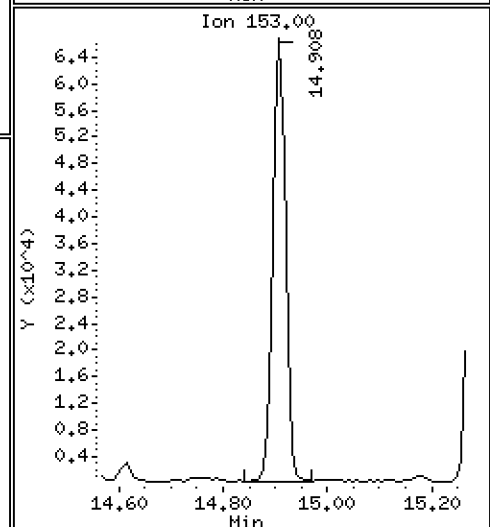
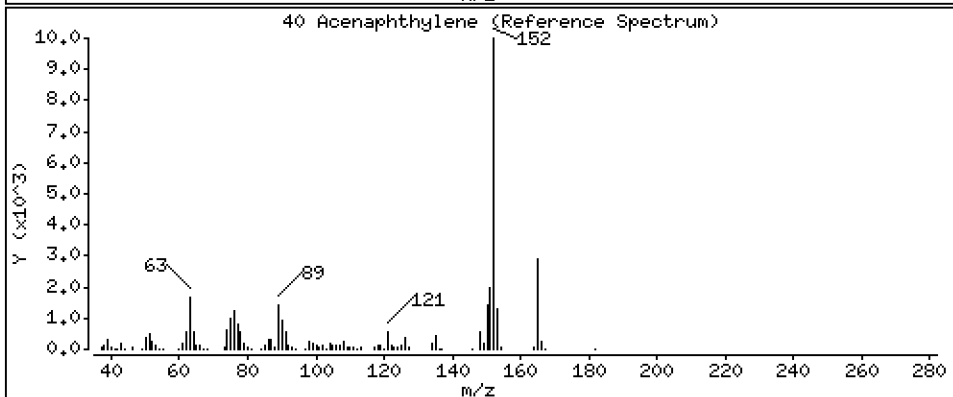
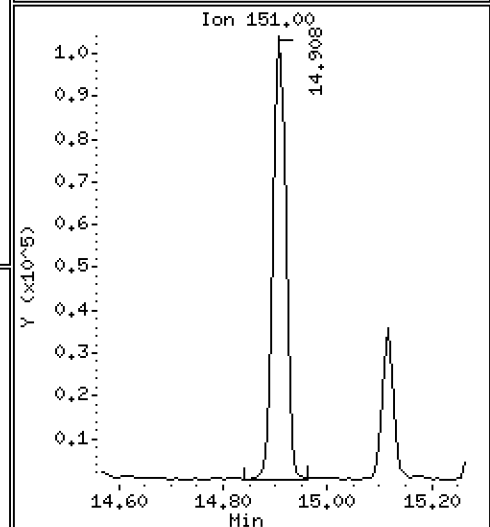
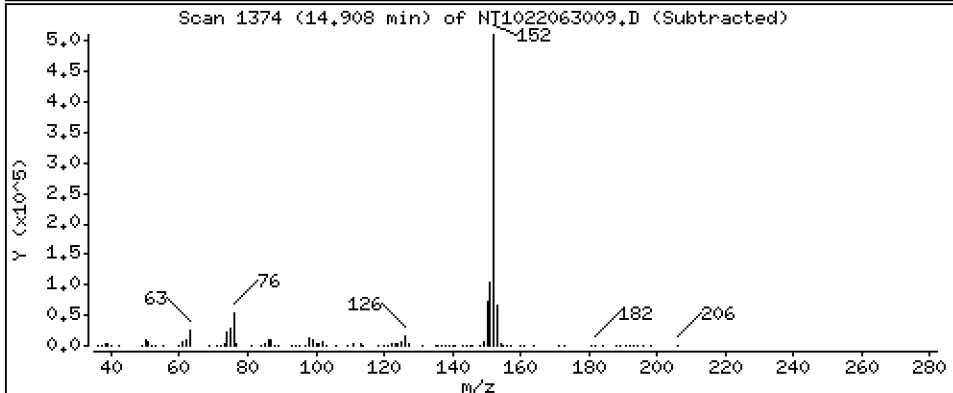
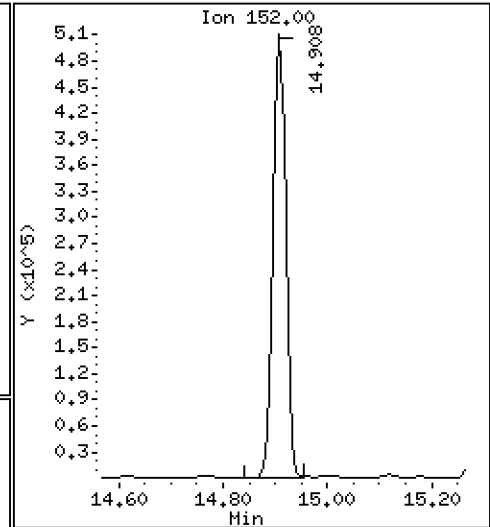
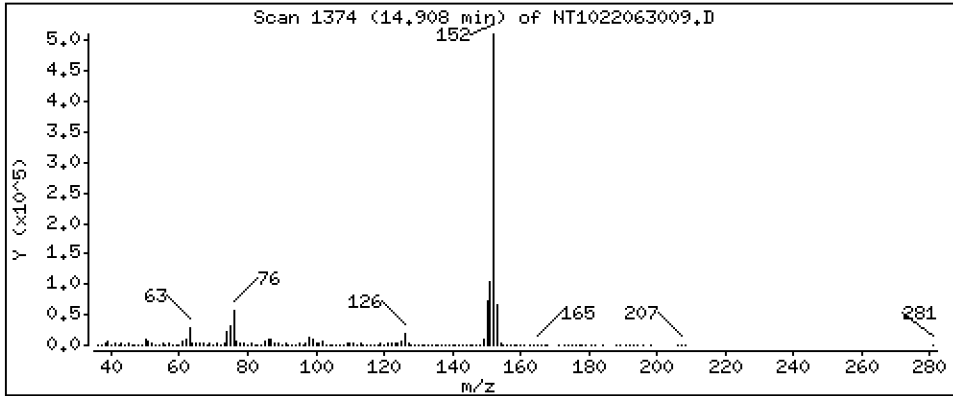
Operator: VTS

Column phase: ZB-5msi

Column diameter: 0,25

40 Acenaphthylene

Concentration: 3,502 ug/mL



Date : 30-JUN-2022 18:44

Client ID:

Instrument: nt10.i

Sample Info: BKF0469-MS1

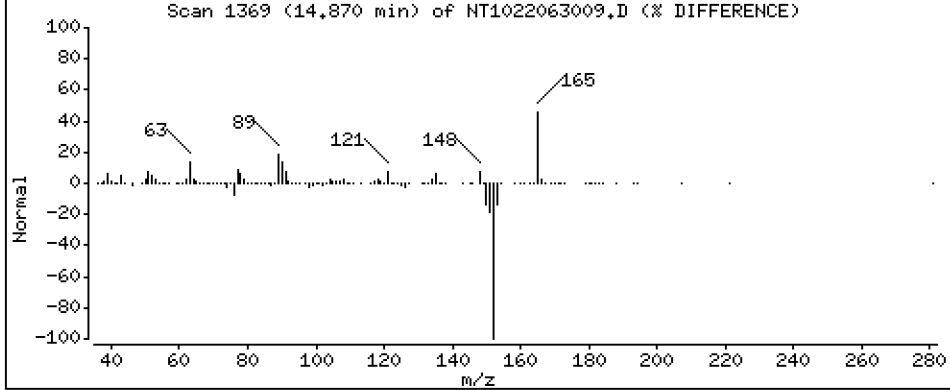
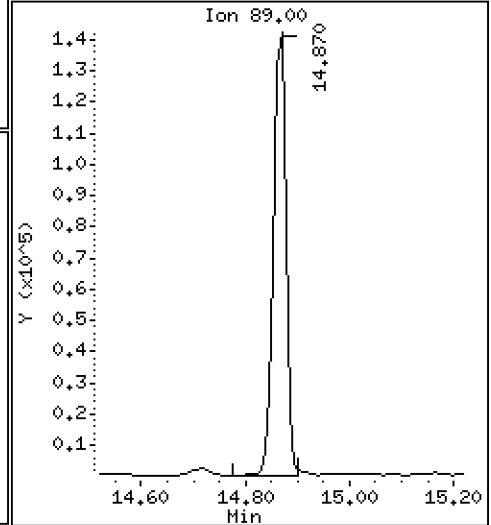
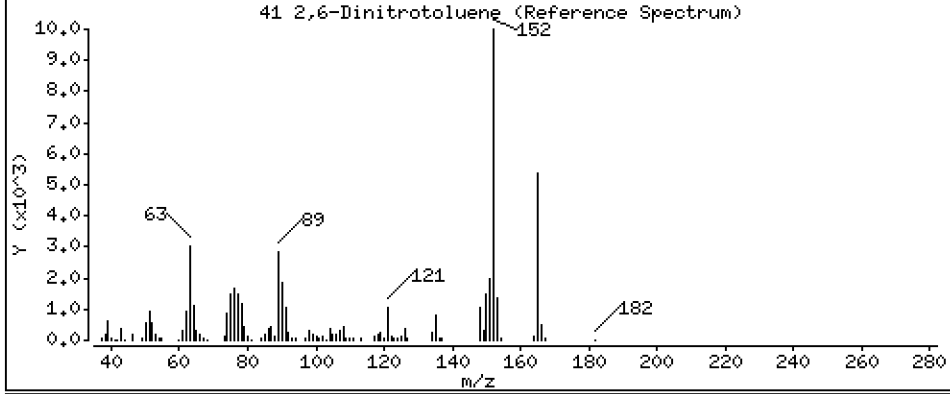
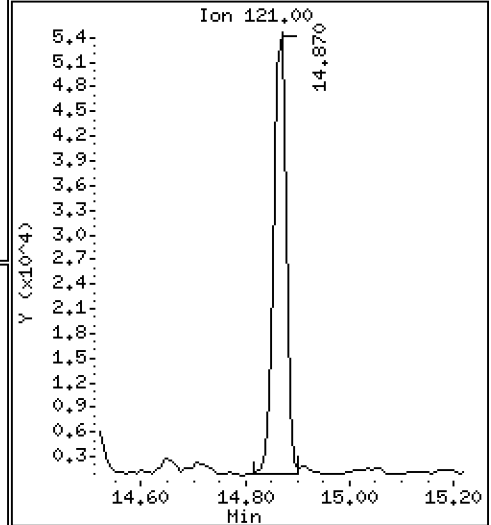
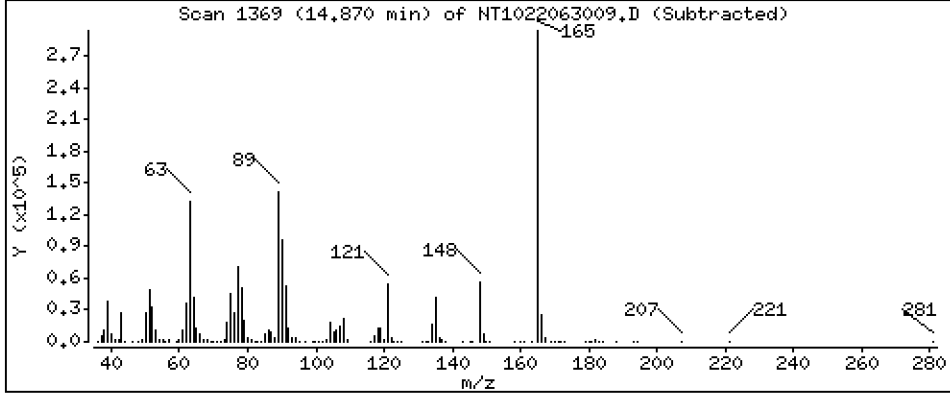
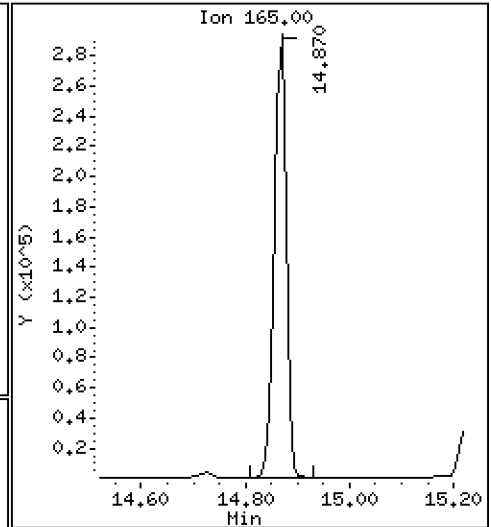
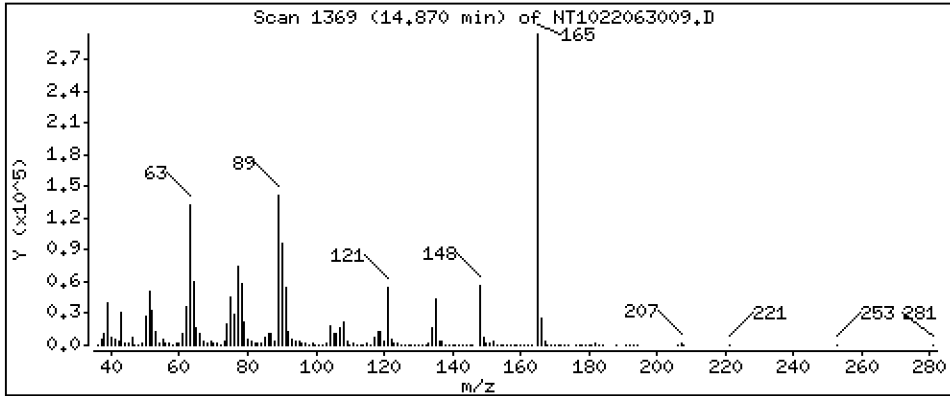
Operator: VTS

Column phase: ZB-5msi

Column diameter: 0,25

41 2,6-Dinitrotoluene

Concentration: 13,33 ug/mL



Date : 30-JUN-2022 18:44

Client ID:

Instrument: nt10.i

Sample Info: BKF0469-MS1

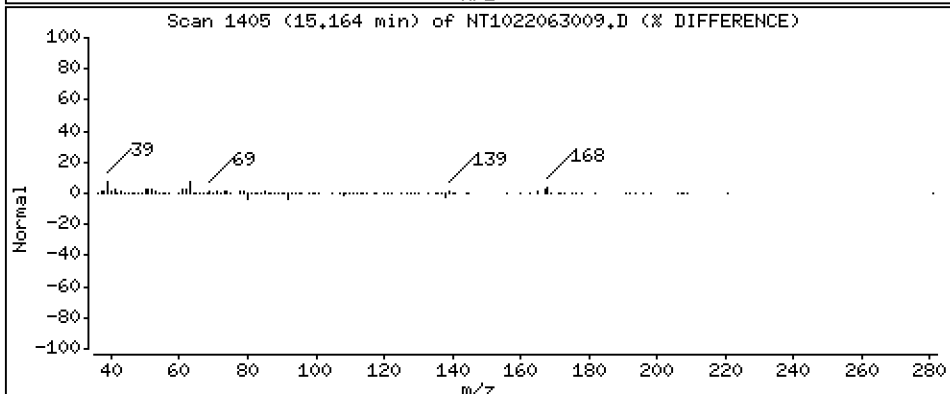
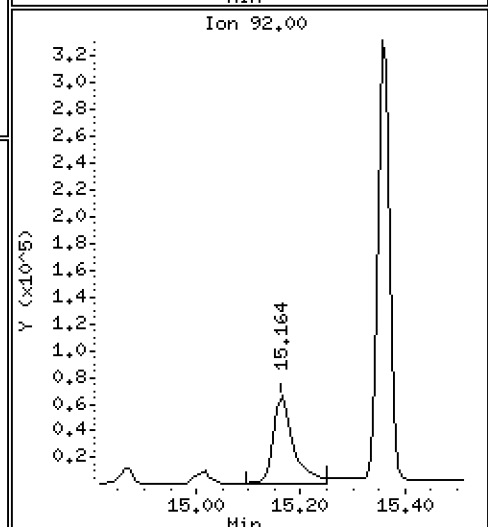
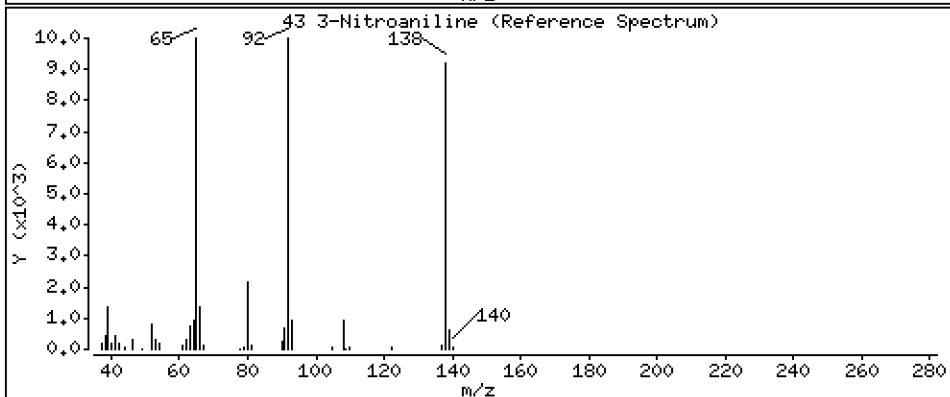
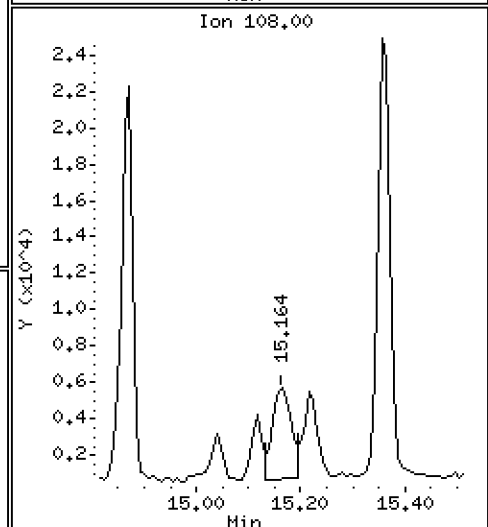
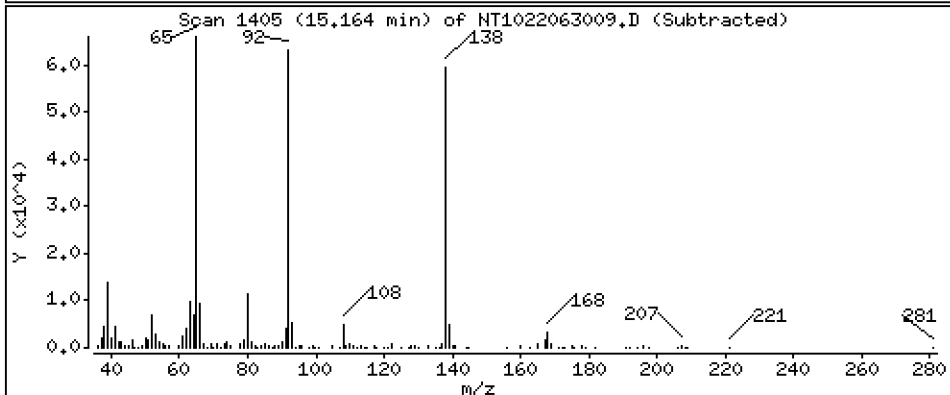
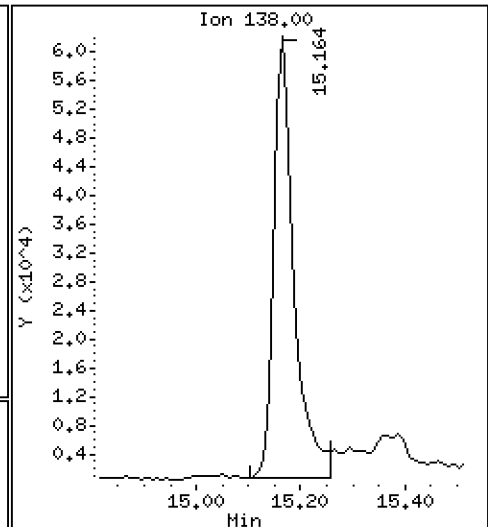
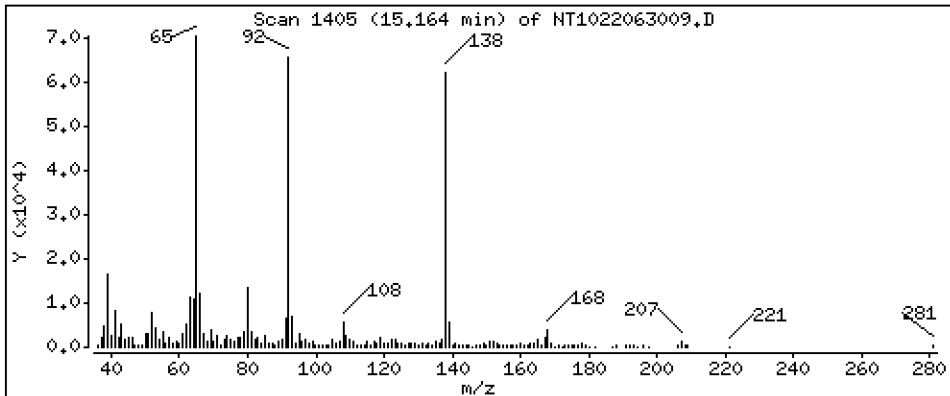
Operator: VTS

Column phase: ZB-5msi

Column diameter: 0,25

43 3-Nitroaniline

Concentration: 4,113 ug/mL



Date : 30-JUN-2022 18:44

Client ID:

Instrument: nt10.i

Sample Info: BKF0469-MS1

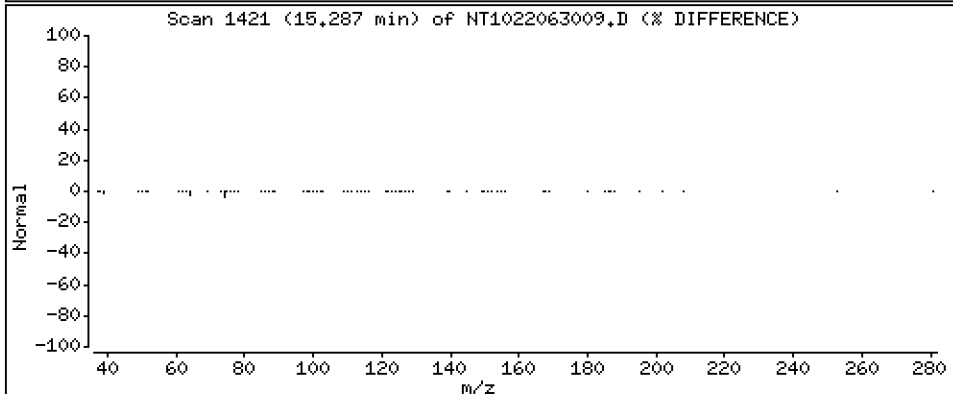
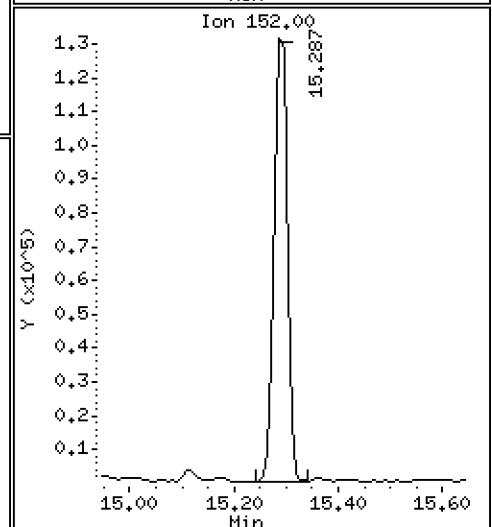
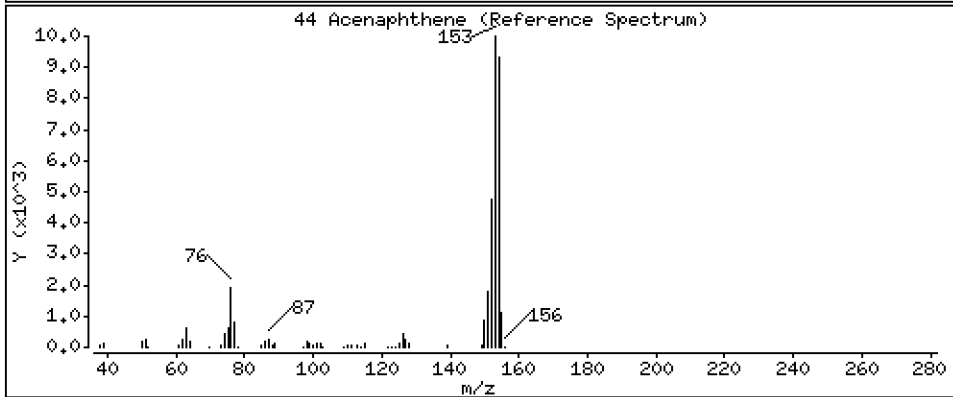
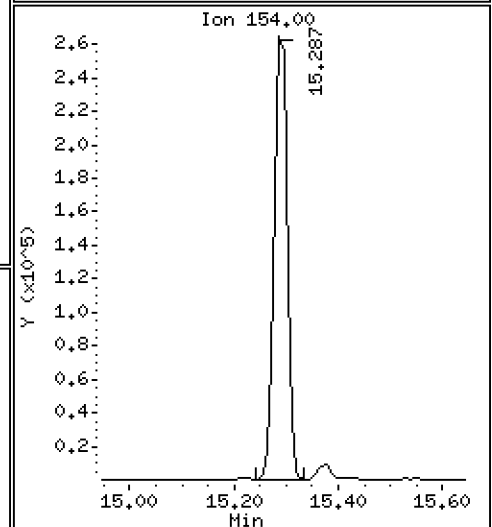
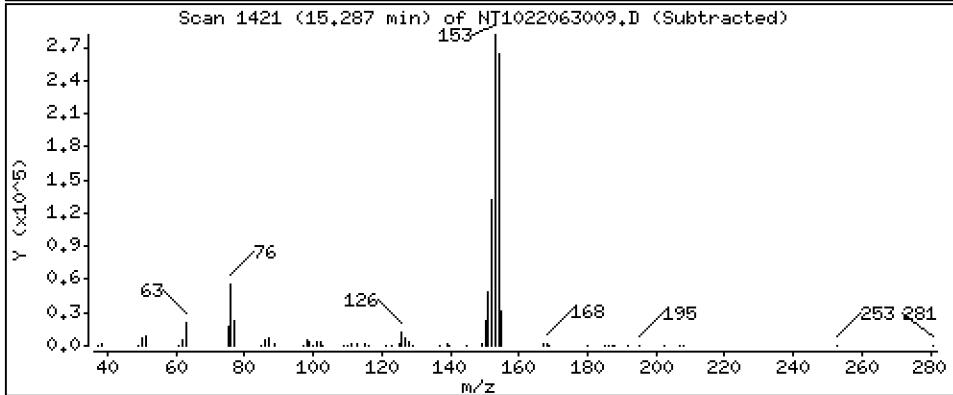
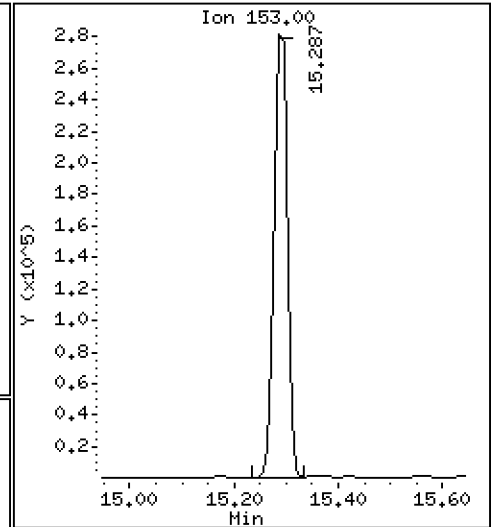
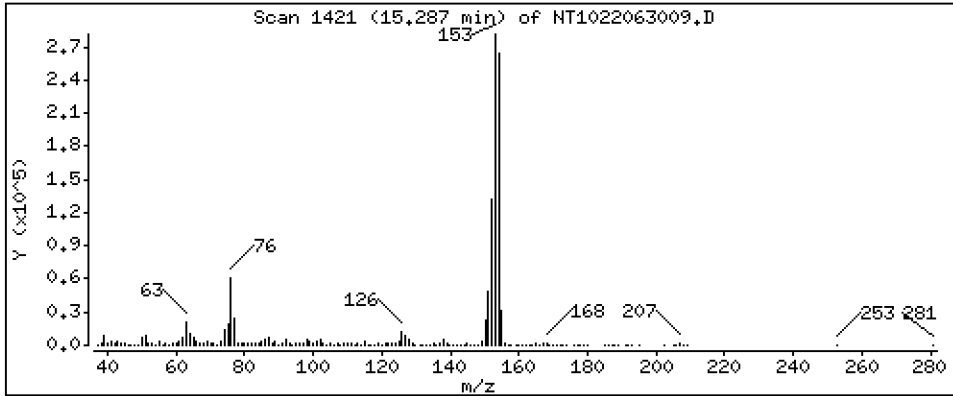
Operator: VTS

Column phase: ZB-5msi

Column diameter: 0,25

44 Acenaphthene

Concentration: 3,992 ug/mL



Date : 30-JUN-2022 18:44

Client ID:

Instrument: nt10.i

Sample Info: BKF0469-MS1

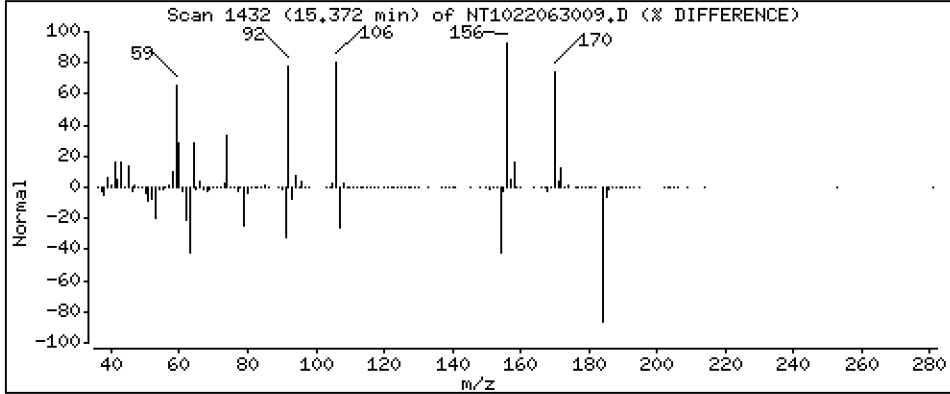
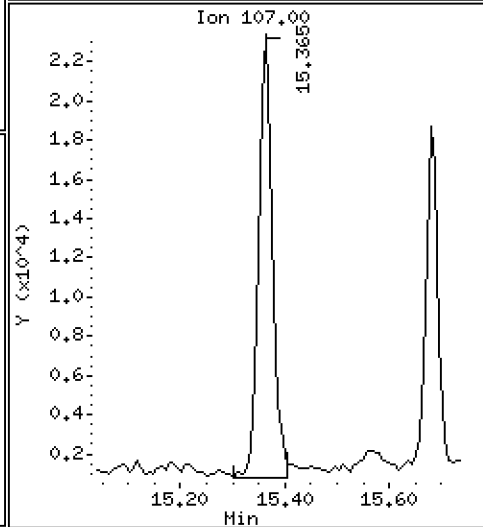
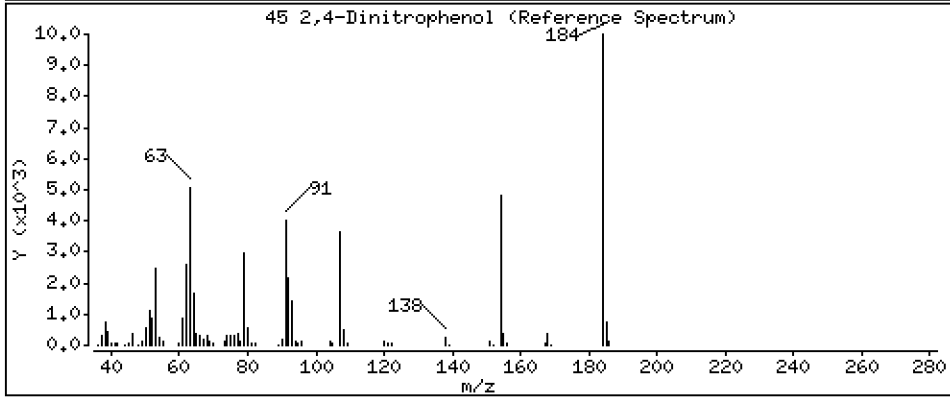
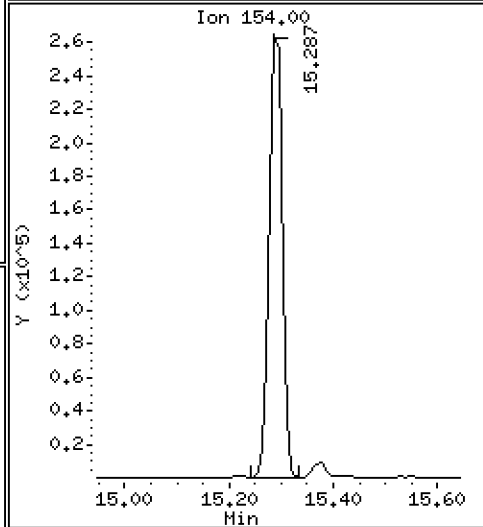
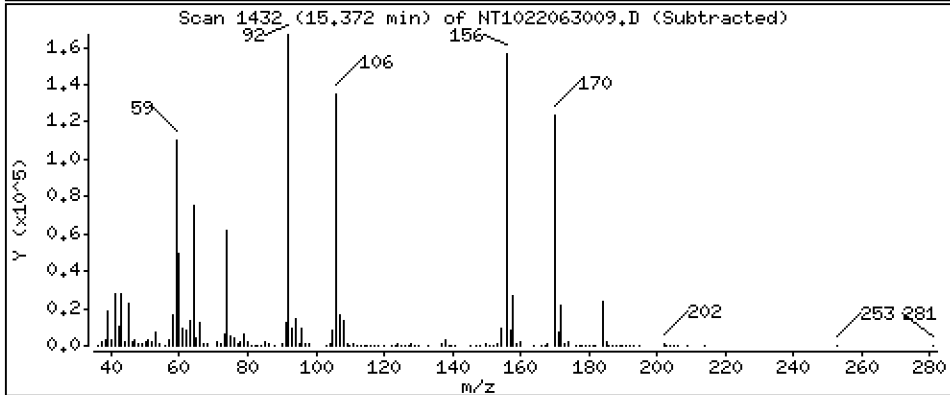
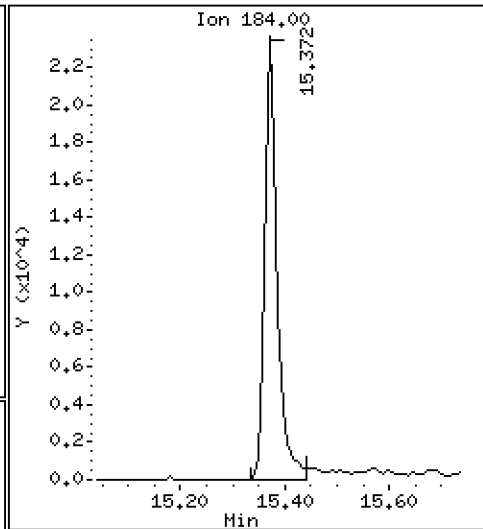
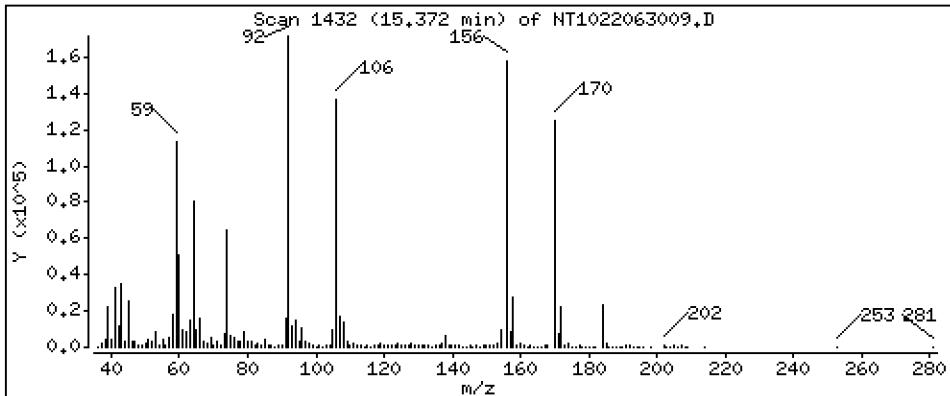
Operator: VTS

Column phase: ZB-5msi

Column diameter: 0,25

45 2,4-Dinitrophenol

Concentration: 2,679 ug/mL



Date : 30-JUN-2022 18:44

Client ID:

Instrument: nt10.i

Sample Info: BKF0469-MS1

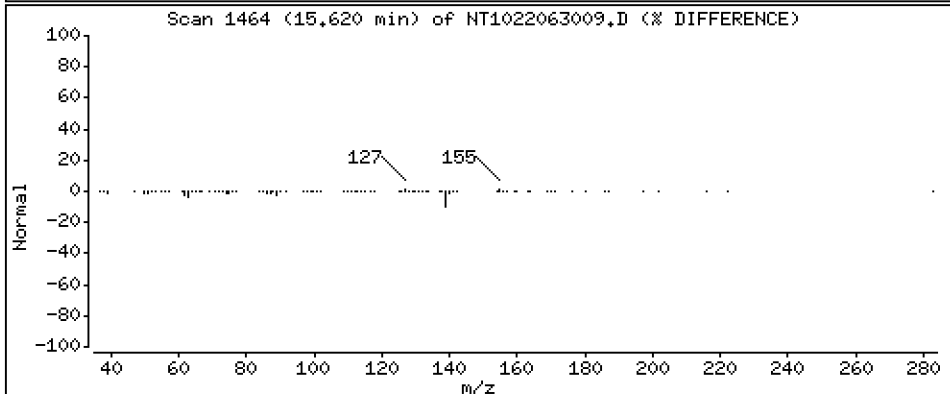
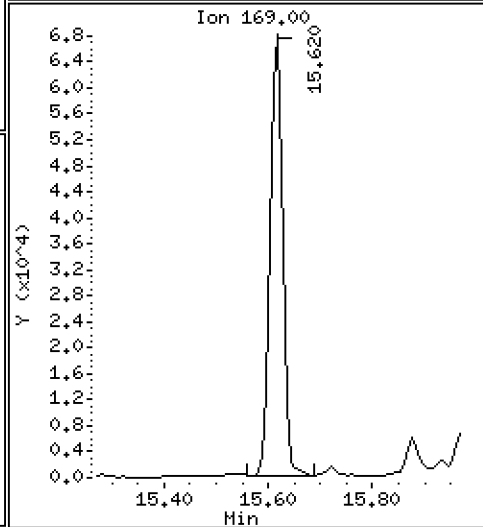
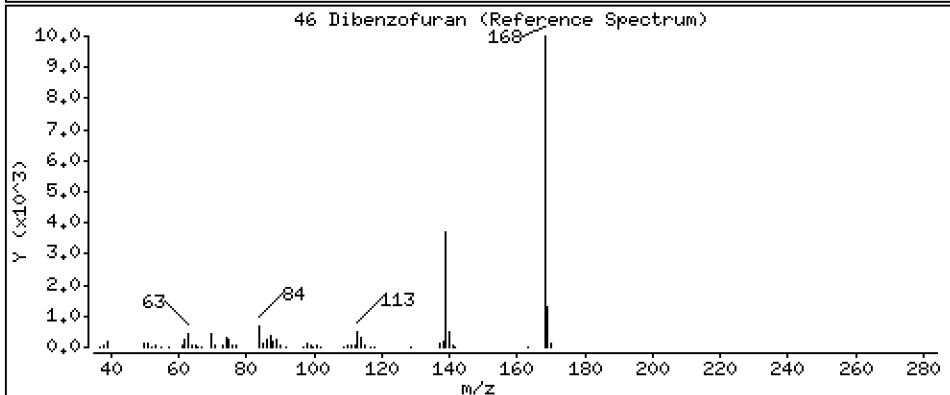
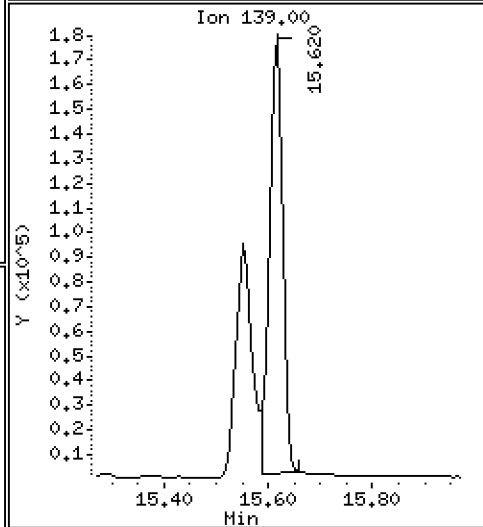
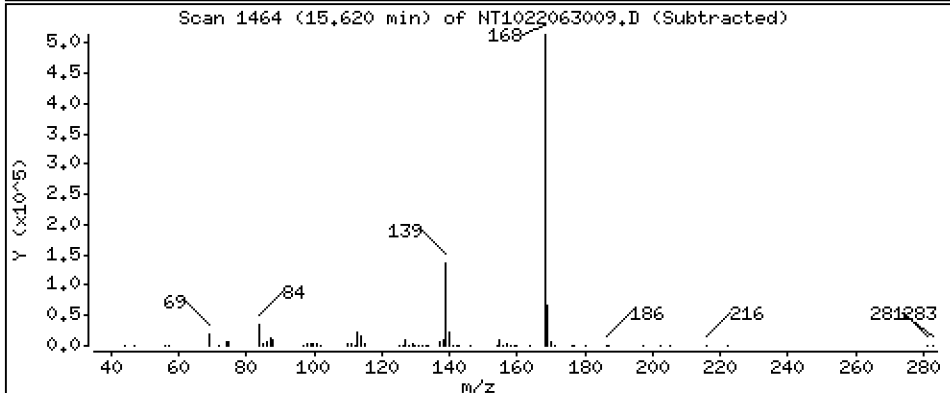
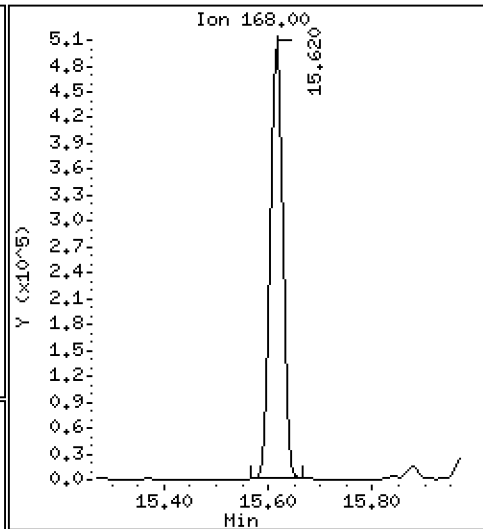
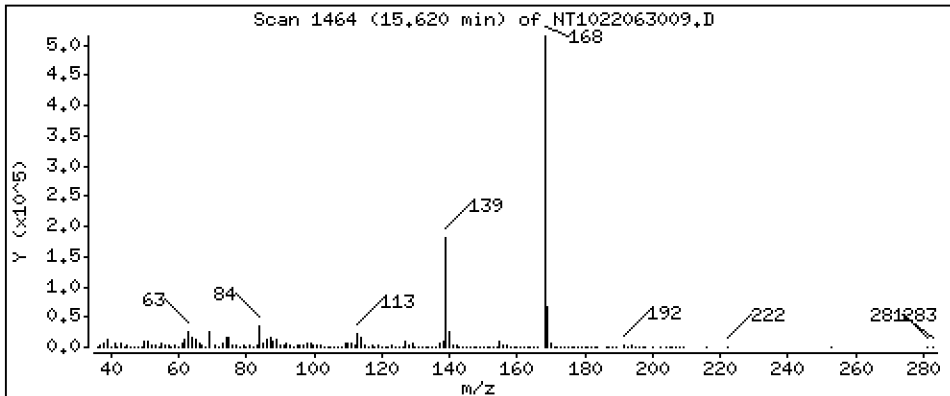
Operator: VTS

Column phase: ZB-5msi

Column diameter: 0,25

46 Dibenzofuran

Concentration: 4,315 ug/mL



Date : 30-JUN-2022 18:44

Client ID:

Instrument: nt10.i

Sample Info: BKF0469-MS1

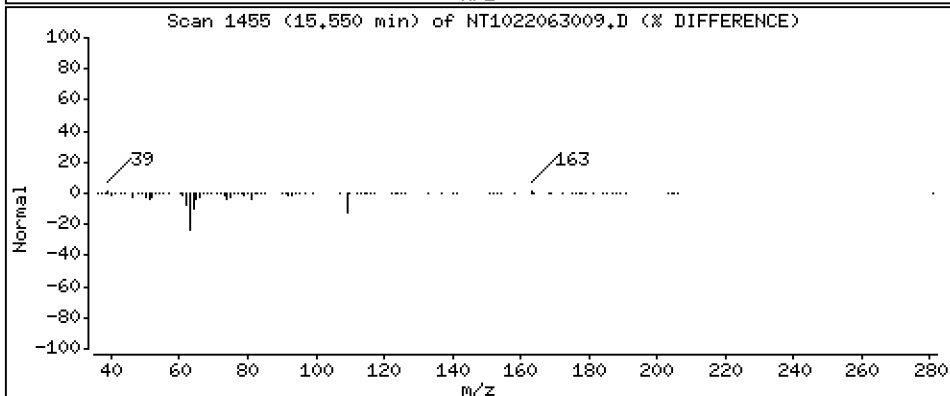
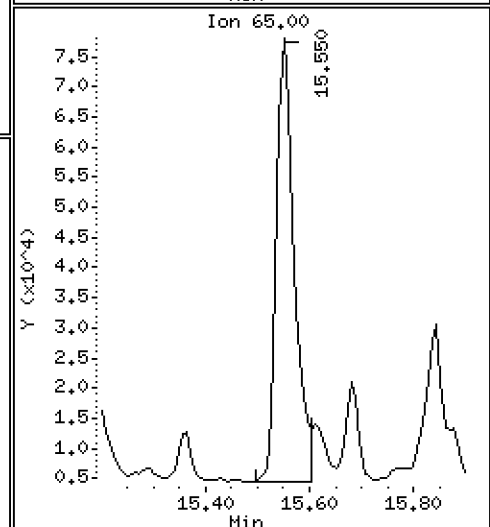
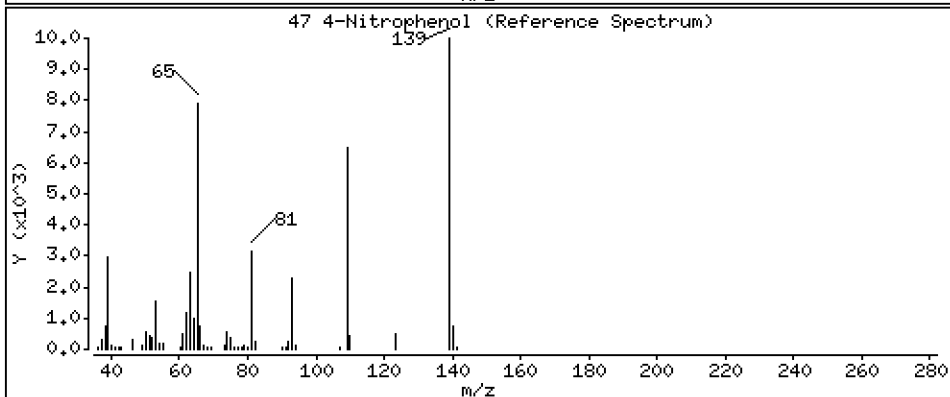
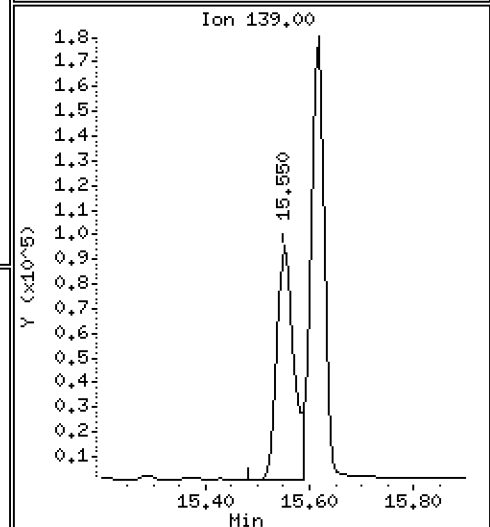
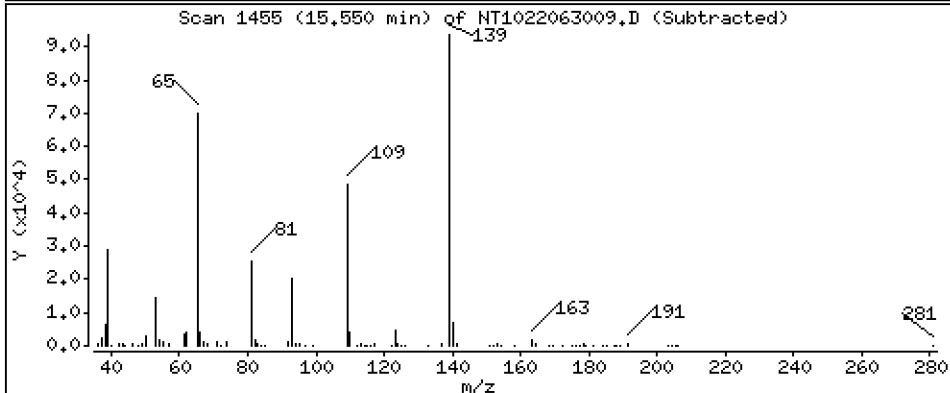
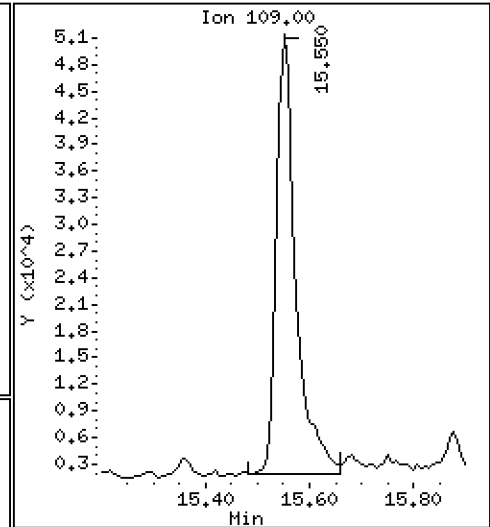
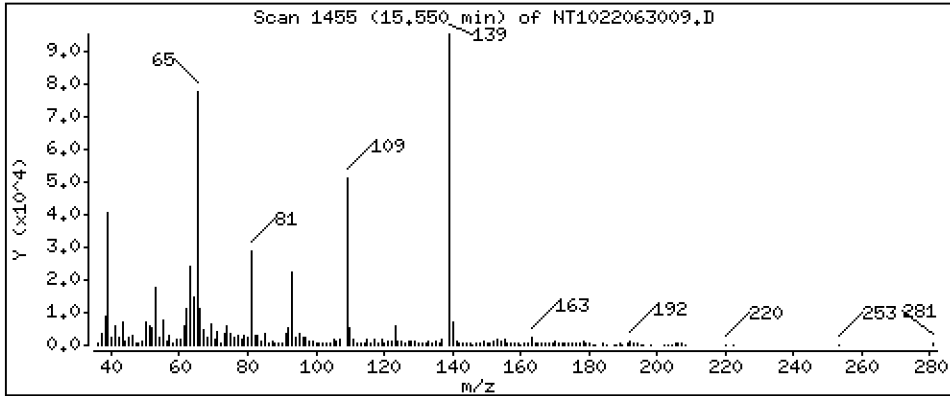
Operator: VTS

Column phase: ZB-5msi

Column diameter: 0,25

47 4-Nitrophenol

Concentration: 9,723 ug/mL



Date : 30-JUN-2022 18:44

Client ID:

Instrument: nt10.i

Sample Info: BKF0469-MS1

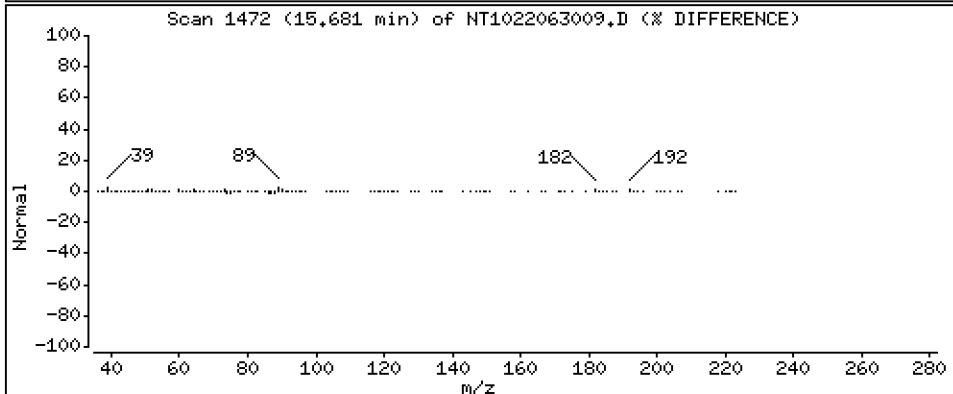
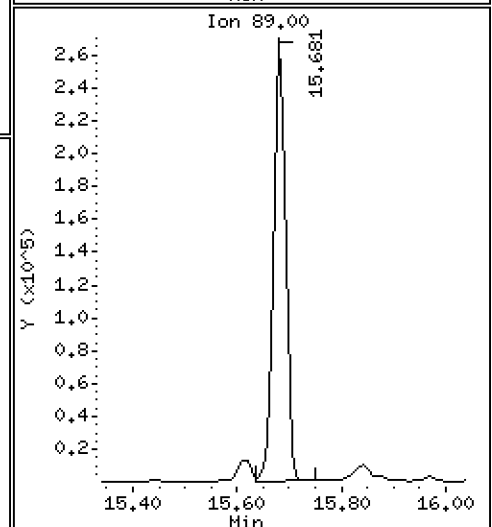
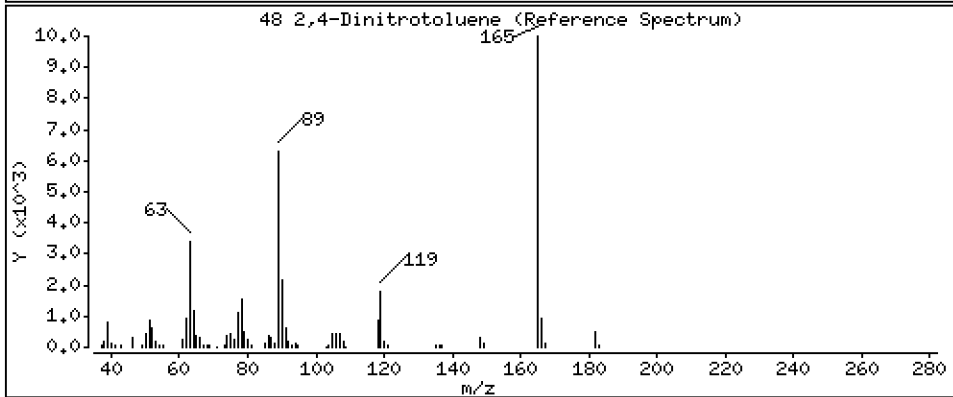
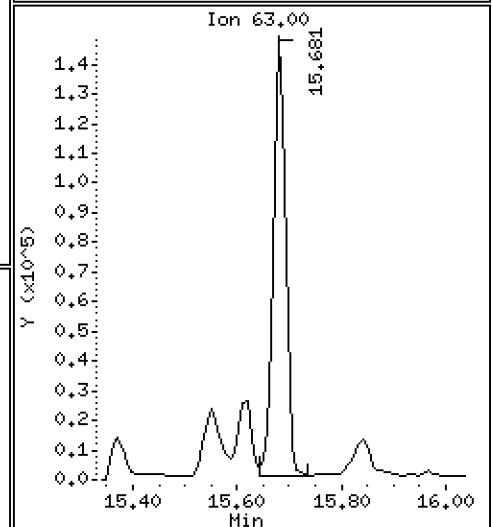
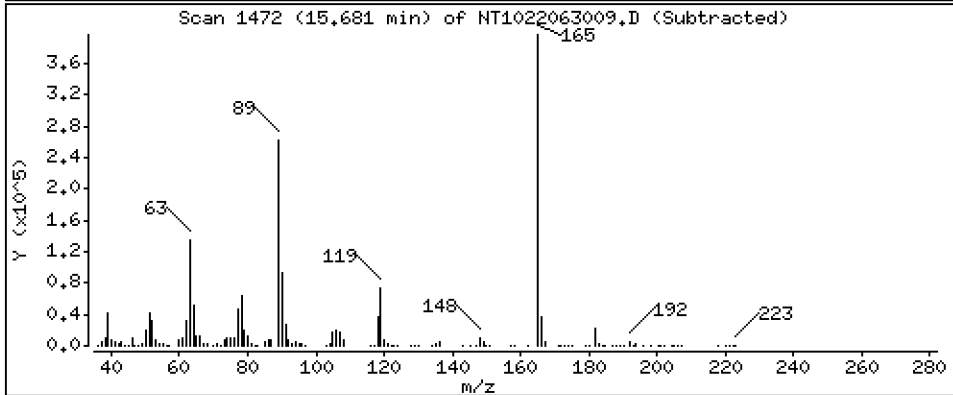
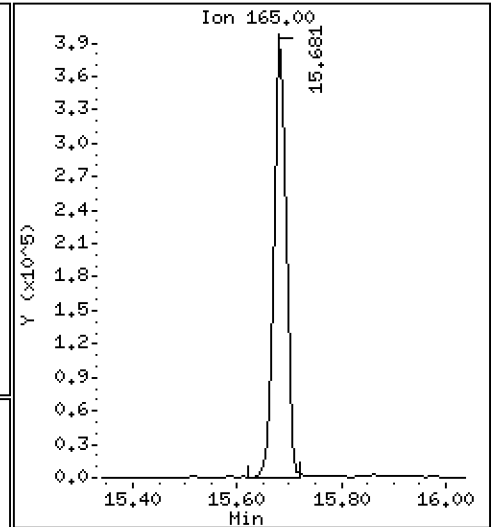
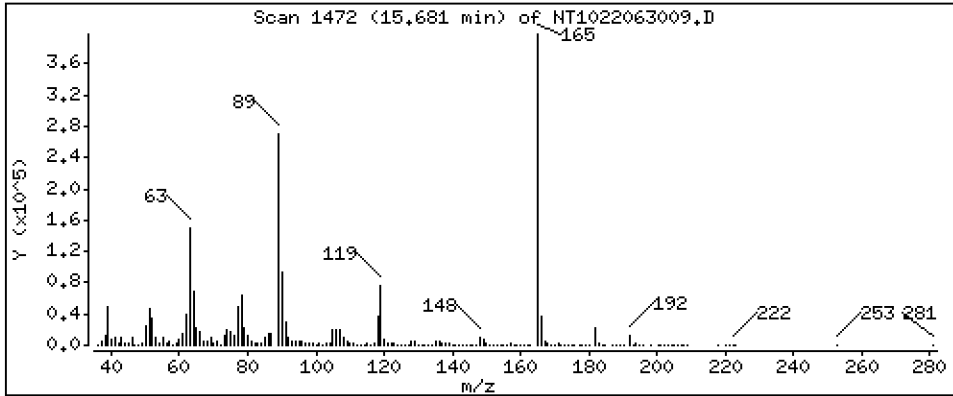
Operator: VTS

Column phase: ZB-5msi

Column diameter: 0,25

48 2,4-Dinitrotoluene

Concentration: 14,01 ug/mL



Date : 30-JUN-2022 18:44

Client ID:

Instrument: nt10.i

Sample Info: BKF0469-MS1

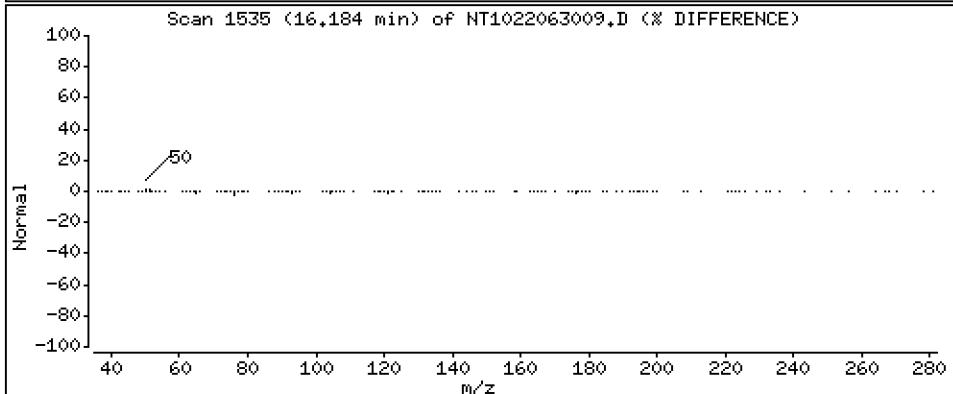
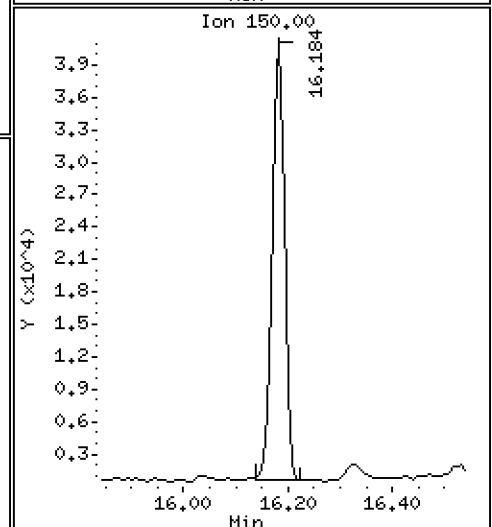
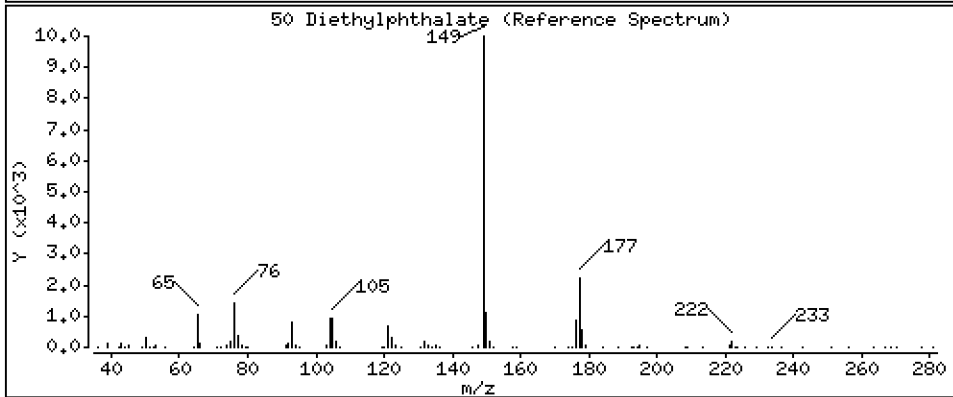
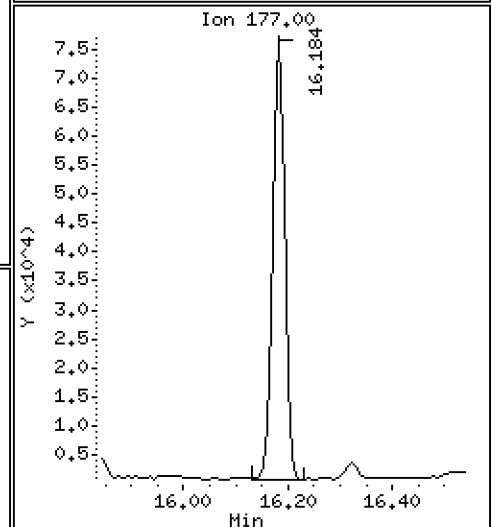
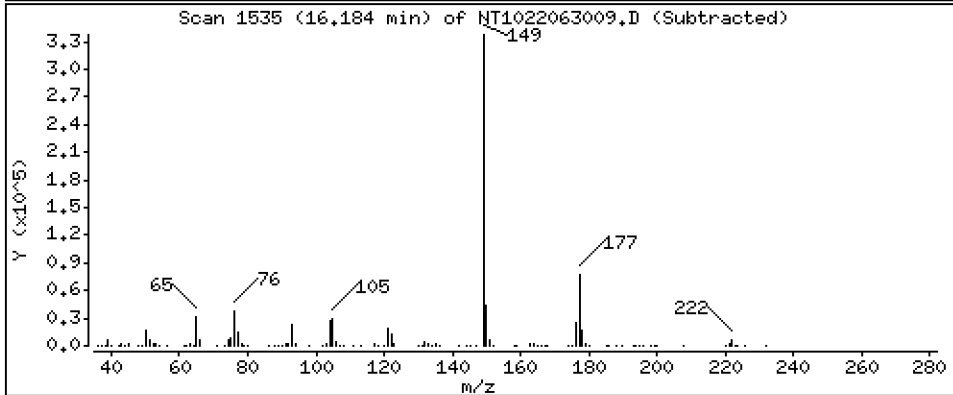
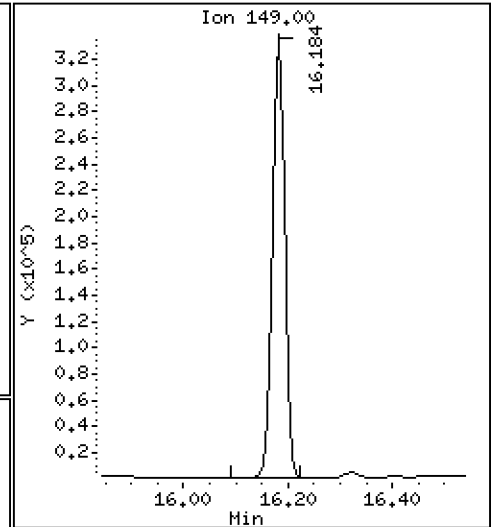
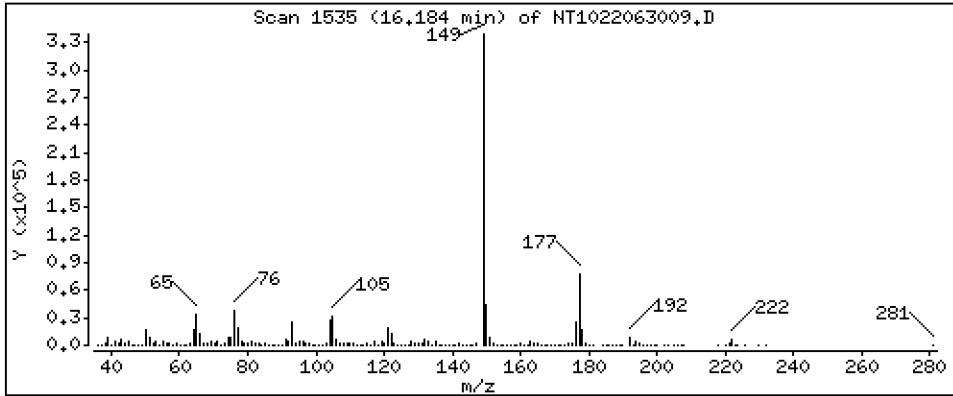
Operator: VTS

Column phase: ZB-5msi

Column diameter: 0,25

50 Diethylphthalate

Concentration: 4,812 ug/mL



Date : 30-JUN-2022 18:44

Client ID:

Instrument: nt10.i

Sample Info: BKF0469-MS1

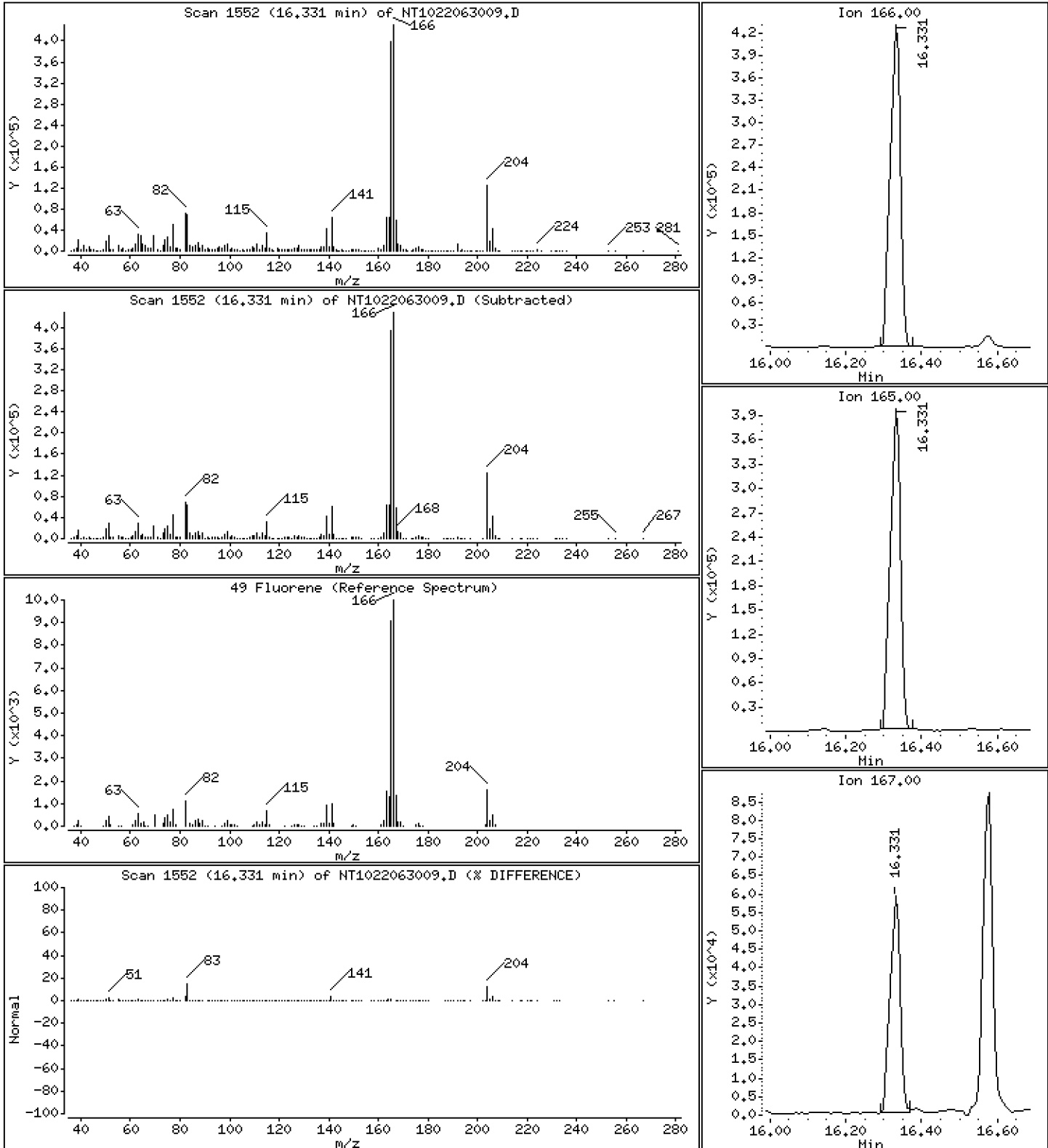
Operator: VTS

Column phase: ZB-5msi

Column diameter: 0,25

49 Fluorene

Concentration: 3,400 ug/mL



Date : 30-JUN-2022 18:44

Client ID:

Instrument: nt10.i

Sample Info: BKF0469-MS1

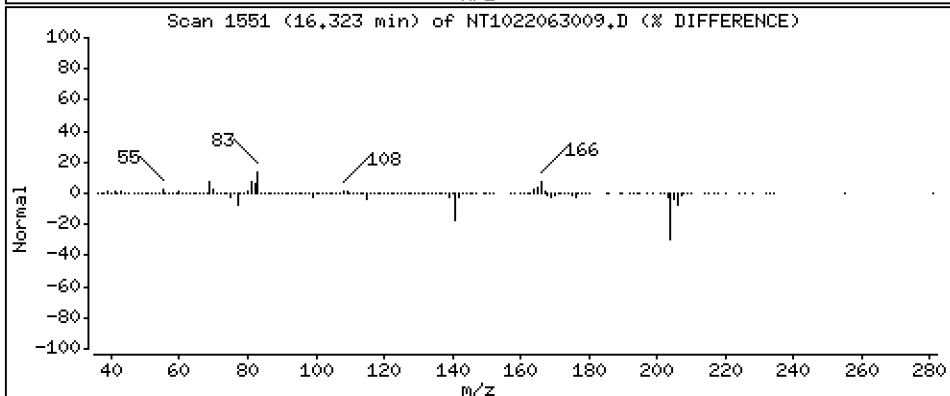
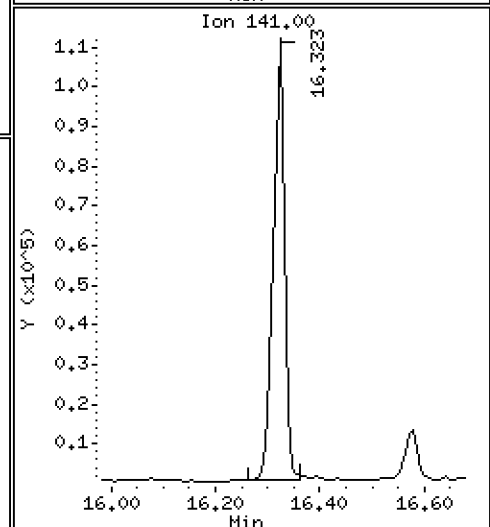
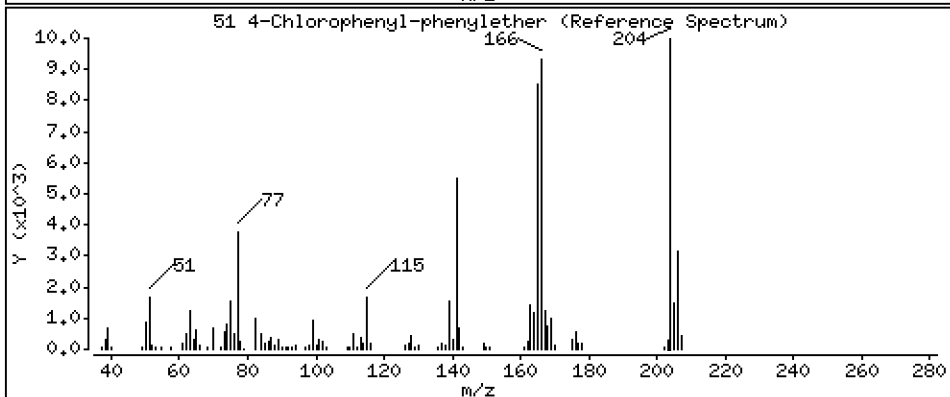
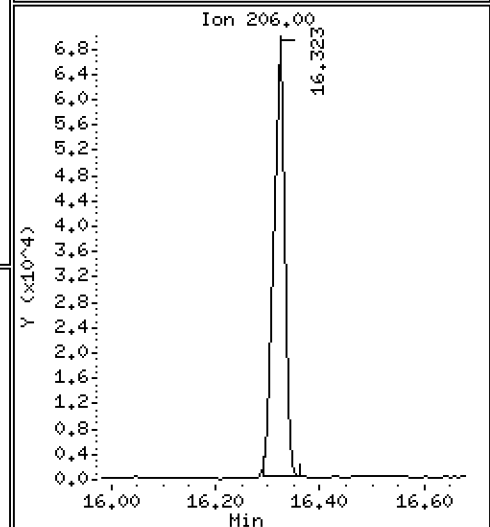
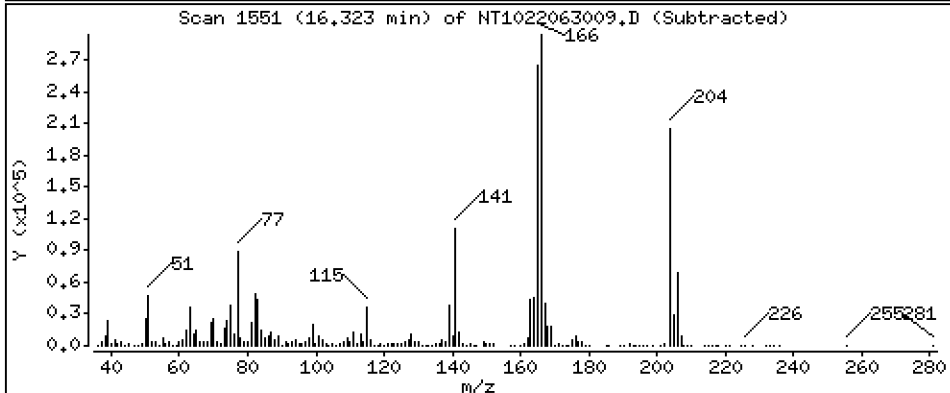
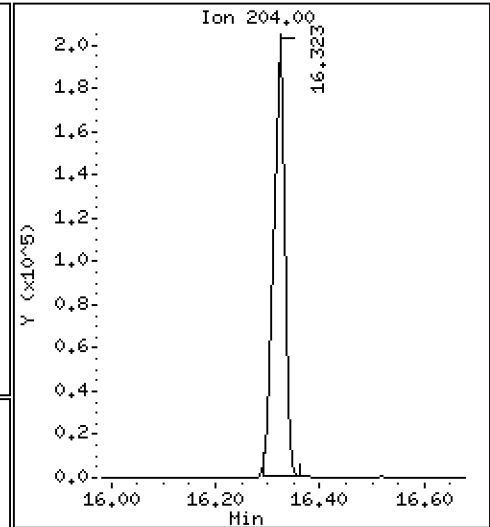
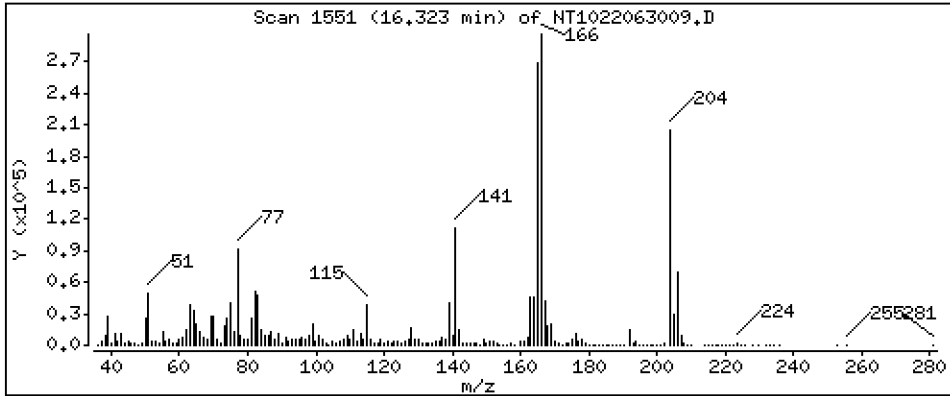
Operator: VTS

Column phase: ZB-5msi

Column diameter: 0,25

51 4-Chlorophenyl-phenylether

Concentration: 2,412 ug/mL



Date : 30-JUN-2022 18:44

Client ID:

Instrument: nt10.i

Sample Info: BKF0469-MS1

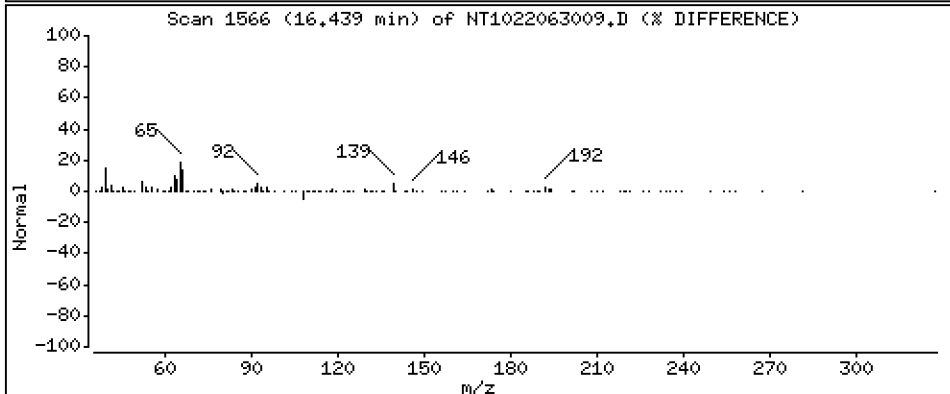
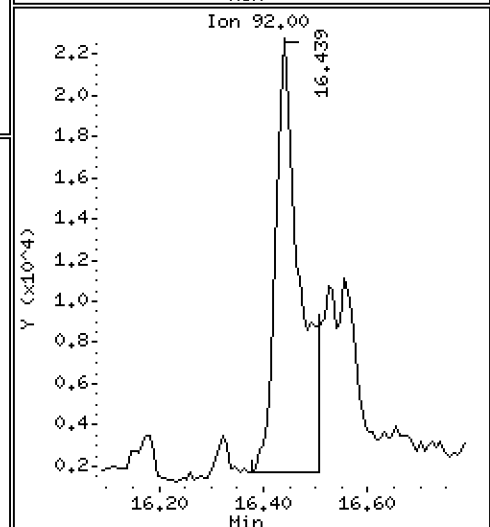
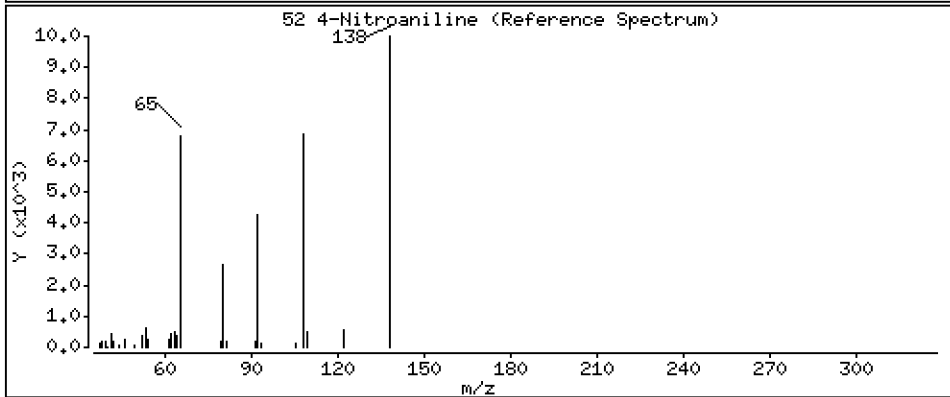
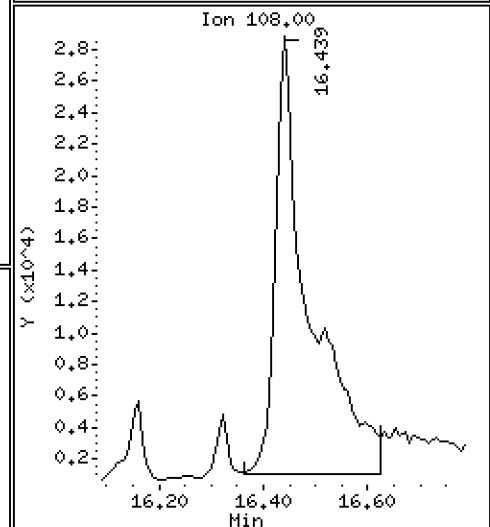
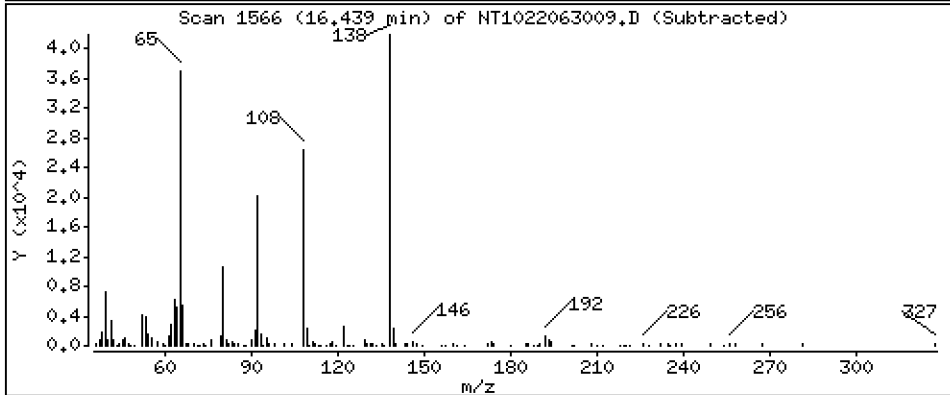
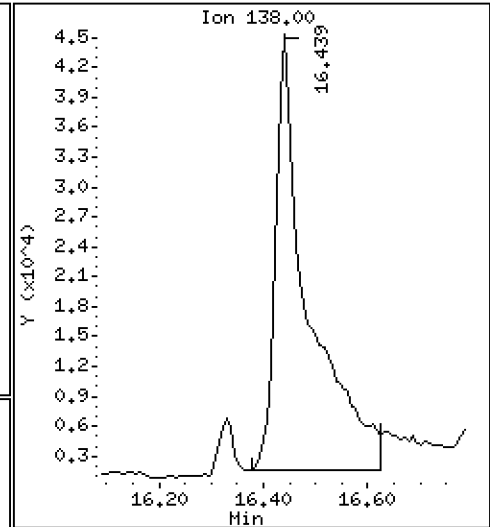
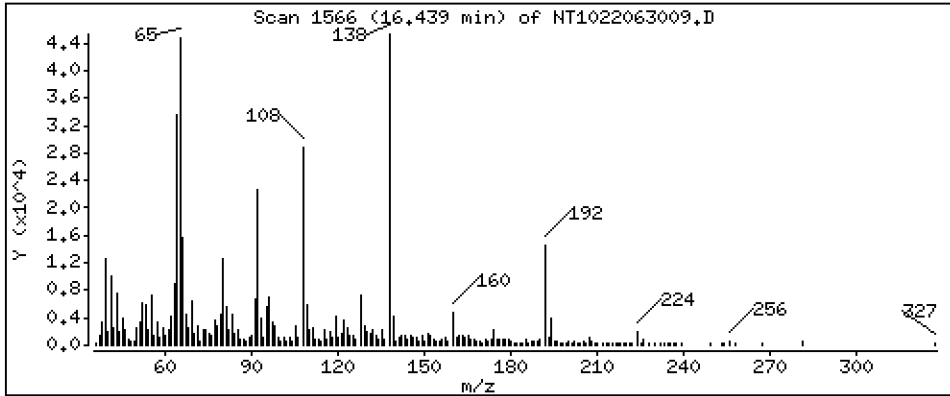
Operator: VTS

Column phase: ZB-5msi

Column diameter: 0,25

52 4-Nitroaniline

Concentration: 4,878 ug/mL



Date : 30-JUN-2022 18:44

Client ID:

Instrument: nt10.i

Sample Info: BKF0469-MS1

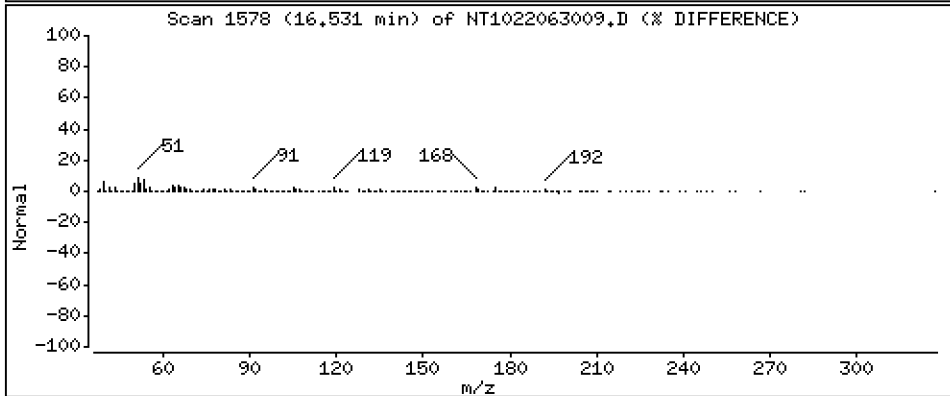
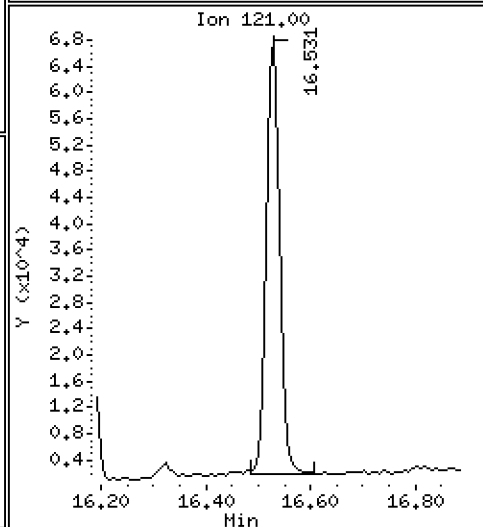
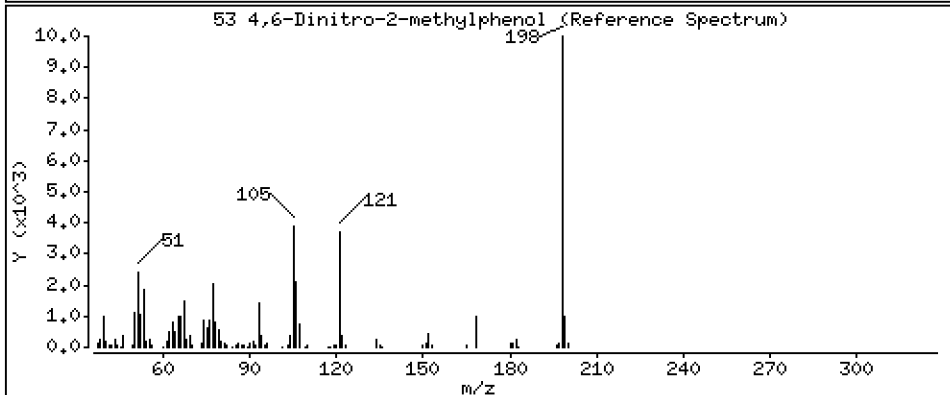
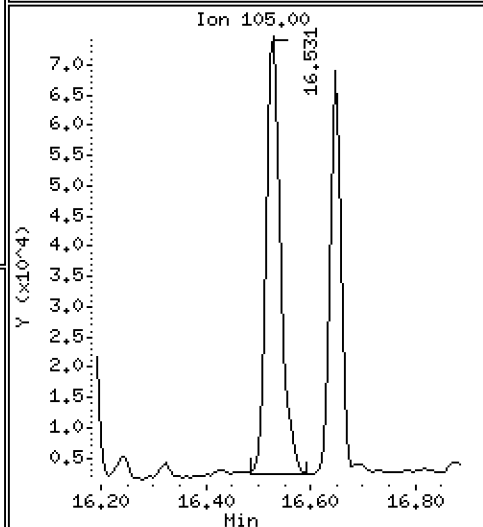
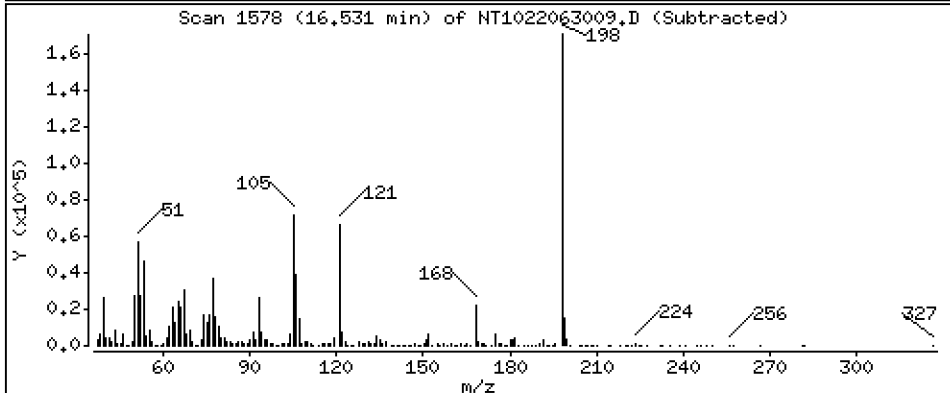
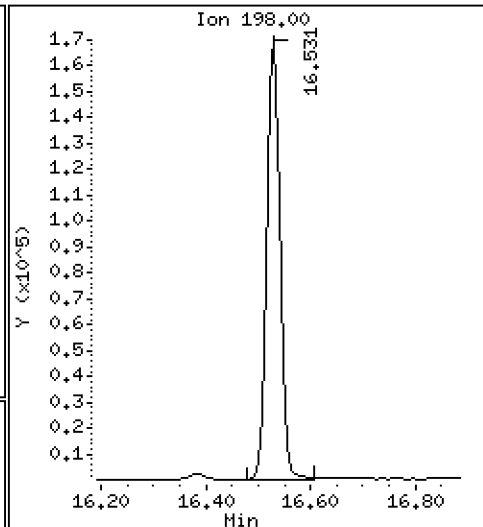
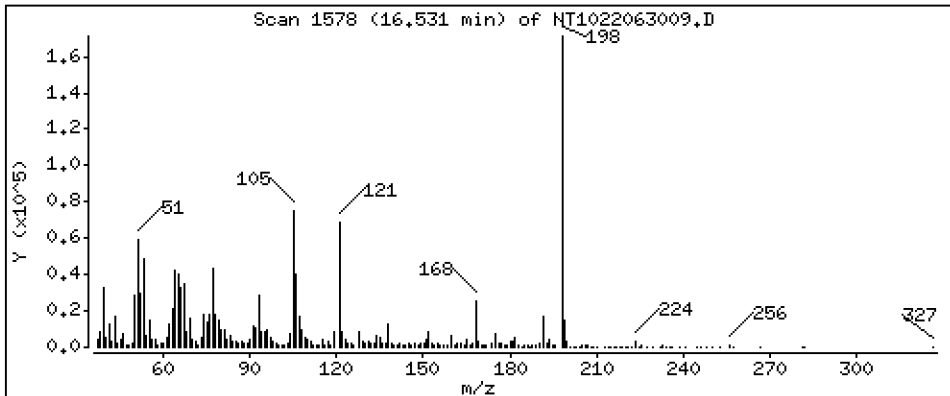
Operator: VTS

Column phase: ZB-5msi

Column diameter: 0,25

53 4,6-Dinitro-2-methylphenol

Concentration: 12,18 ug/mL



Date : 30-JUN-2022 18:44

Client ID:

Instrument: nt10.i

Sample Info: BKF0469-MS1

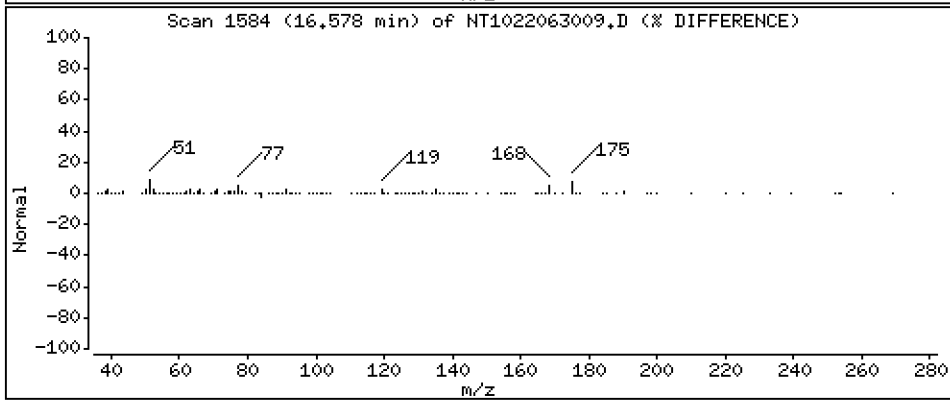
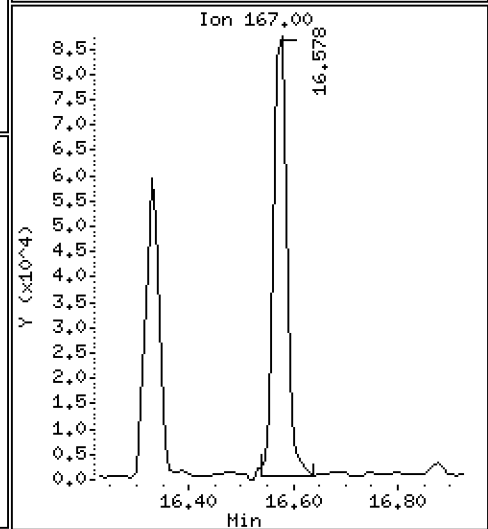
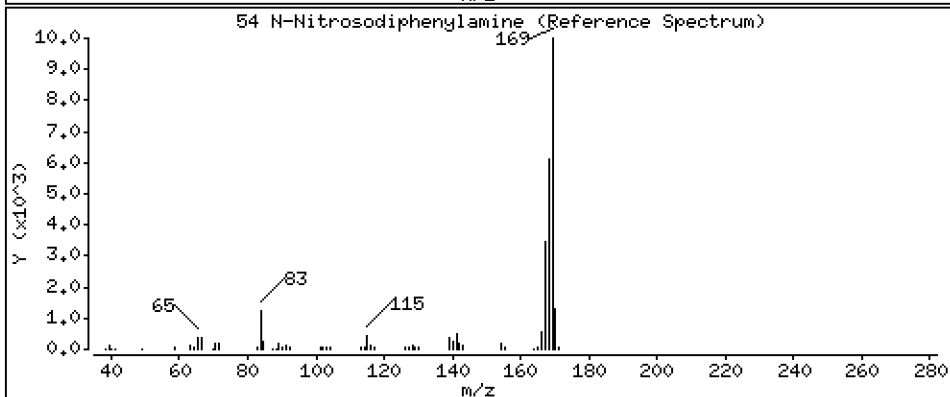
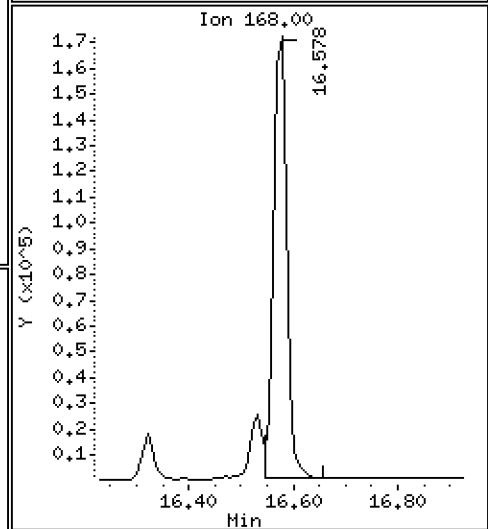
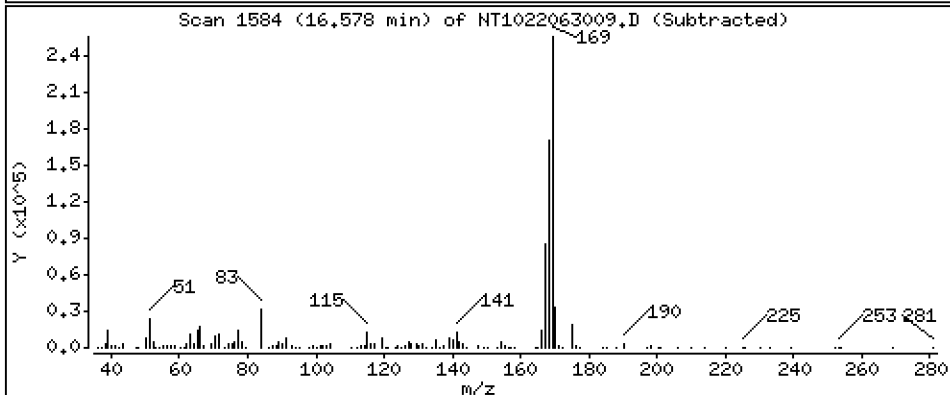
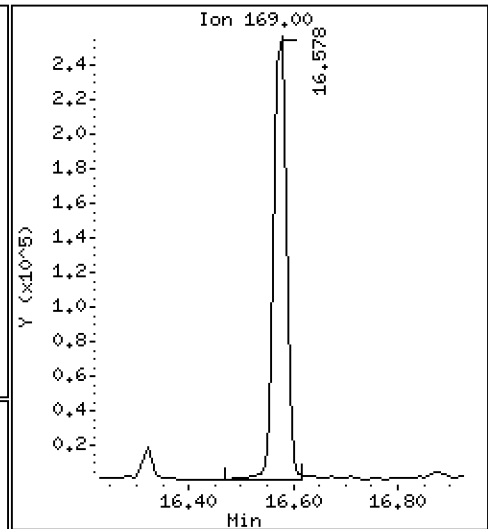
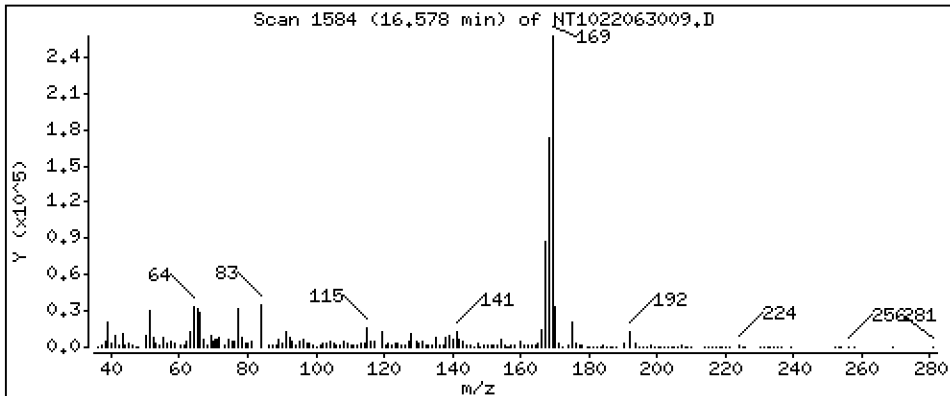
Operator: VTS

Column phase: ZB-5msi

Column diameter: 0,25

54 N-Nitrosodiphenylamine

Concentration: 4,499 ug/mL



Date : 30-JUN-2022 18:44

Client ID:

Instrument: nt10.i

Sample Info: BKF0469-MS1

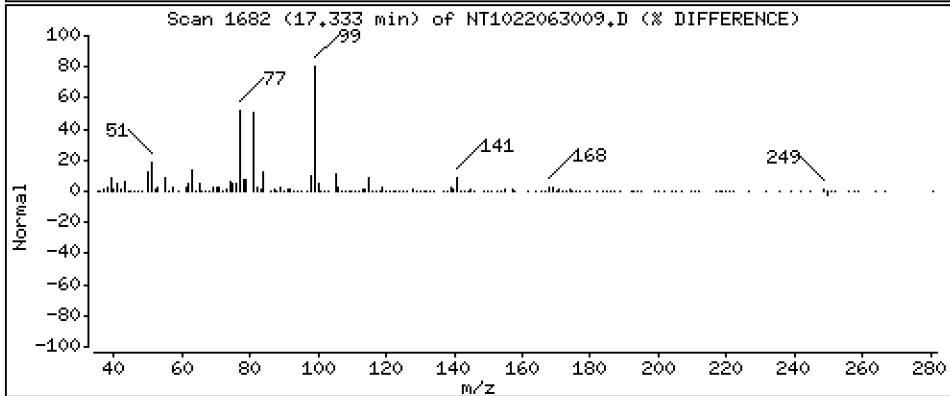
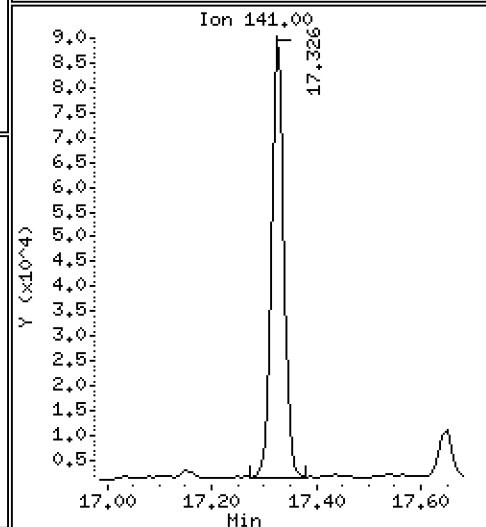
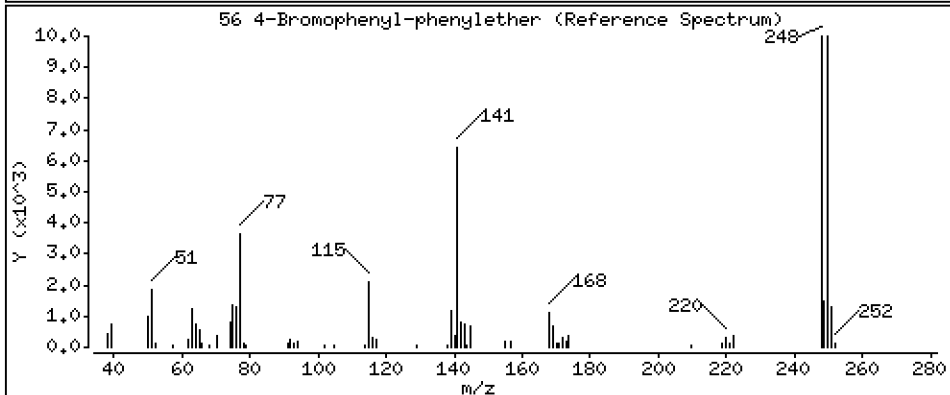
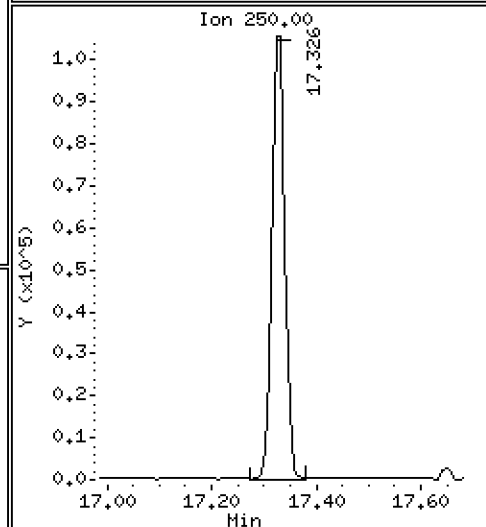
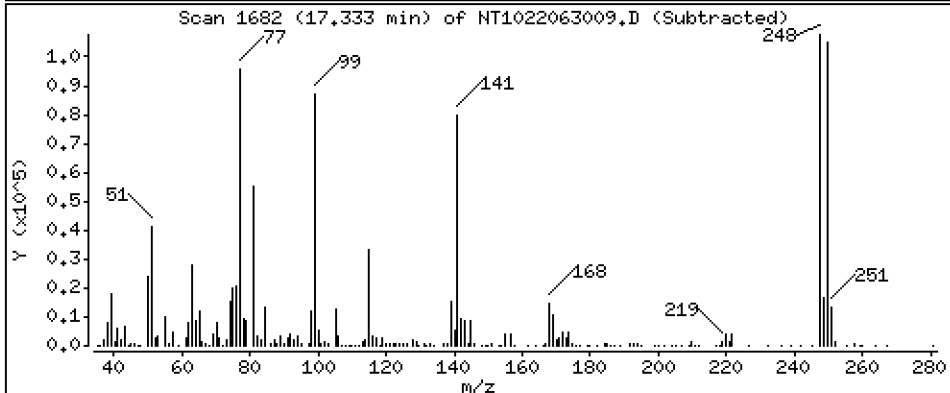
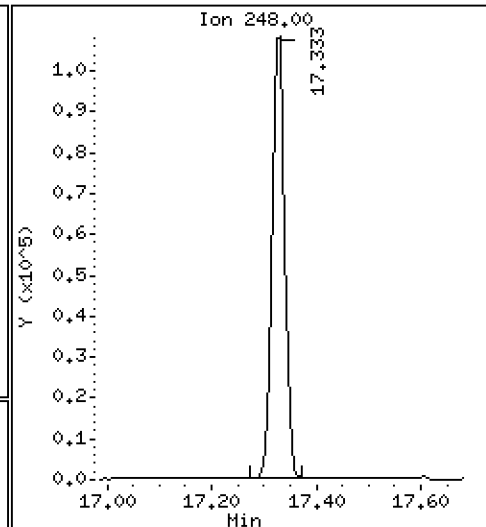
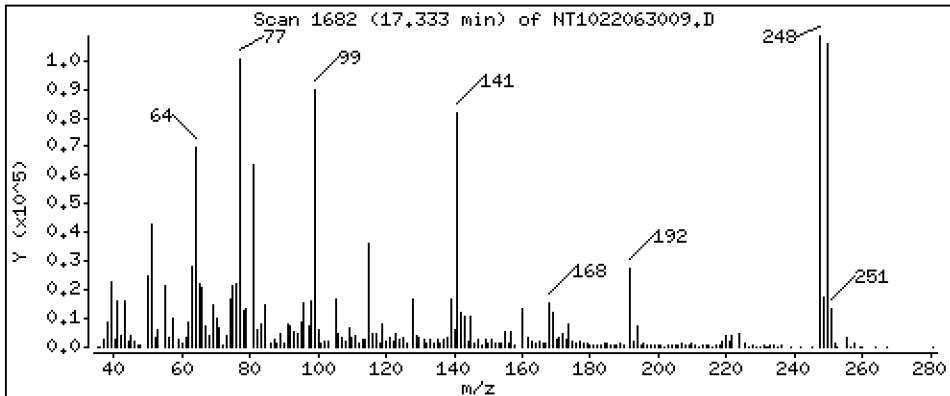
Operator: VTS

Column phase: ZB-5msi

Column diameter: 0,25

56 4-Bromophenyl-phenylether

Concentration: 4,273 ug/mL



Date : 30-JUN-2022 18:44

Client ID:

Instrument: nt10.i

Sample Info: BKF0469-MS1

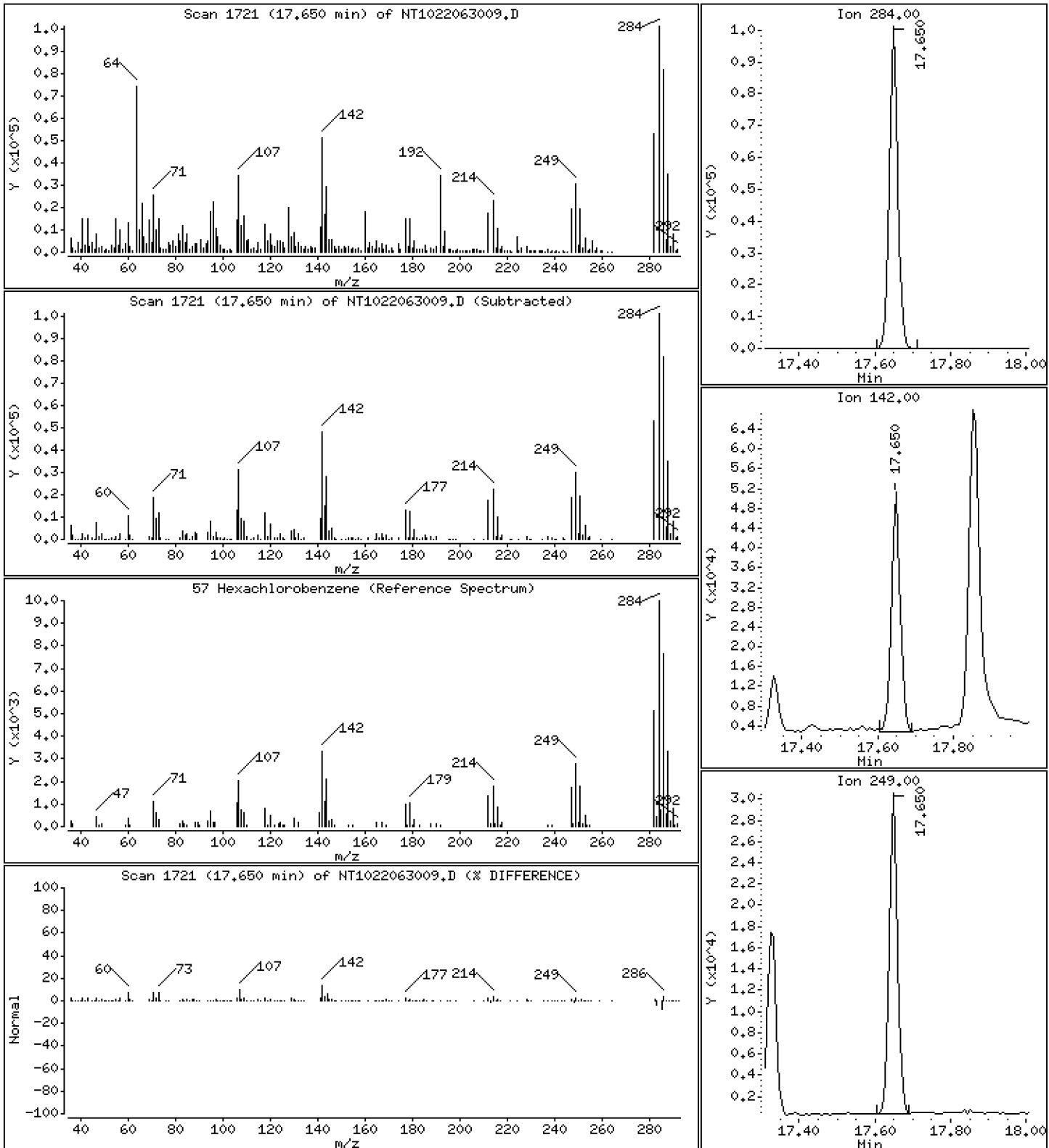
Operator: VTS

Column phase: ZB-5msi

Column diameter: 0,25

57 Hexachlorobenzene

Concentration: 4,004 ug/mL



Date : 30-JUN-2022 18:44

Client ID:

Instrument: nt10.i

Sample Info: BKF0469-MS1

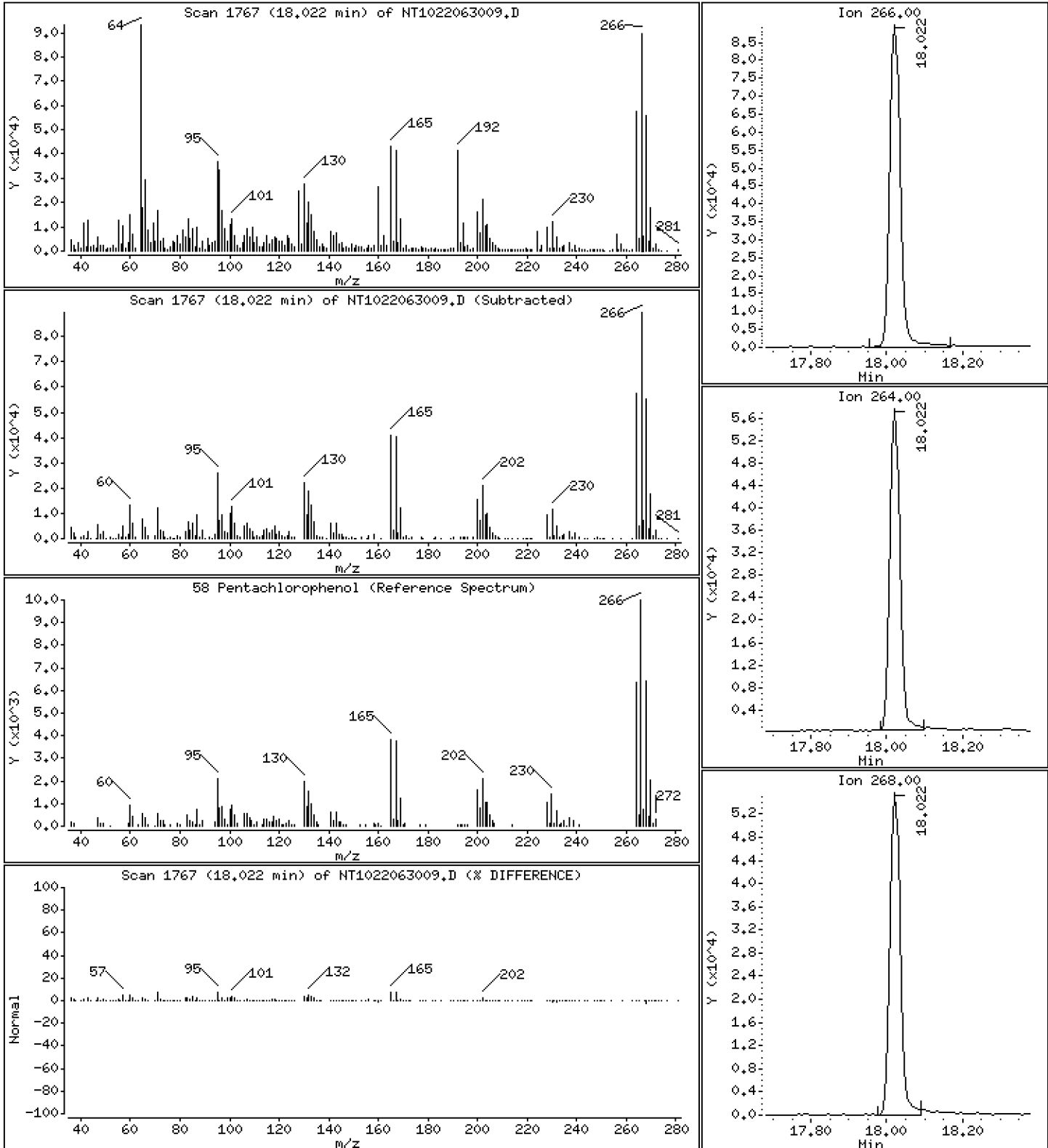
Operator: VTS

Column phase: ZB-5msi

Column diameter: 0,25

58 Pentachlorophenol

Concentration: 17,48 ug/mL



Date : 30-JUN-2022 18:44

Client ID:

Instrument: nt10.i

Sample Info: BKF0469-MS1

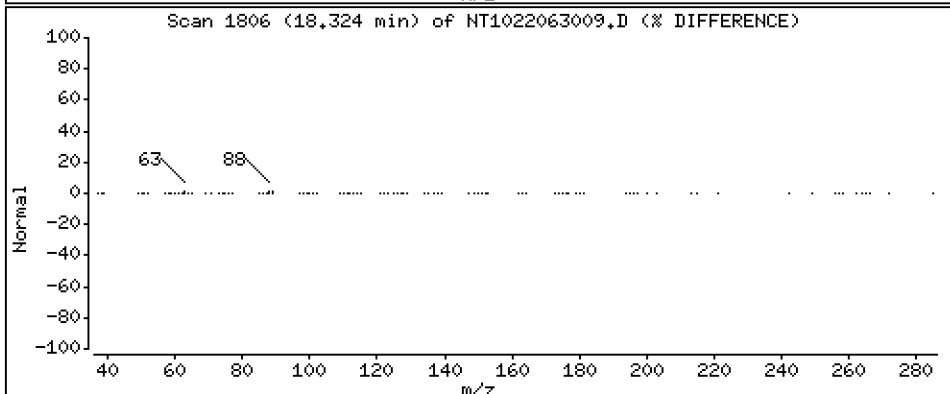
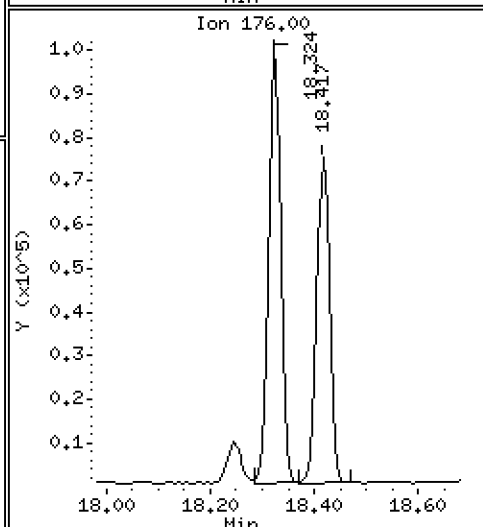
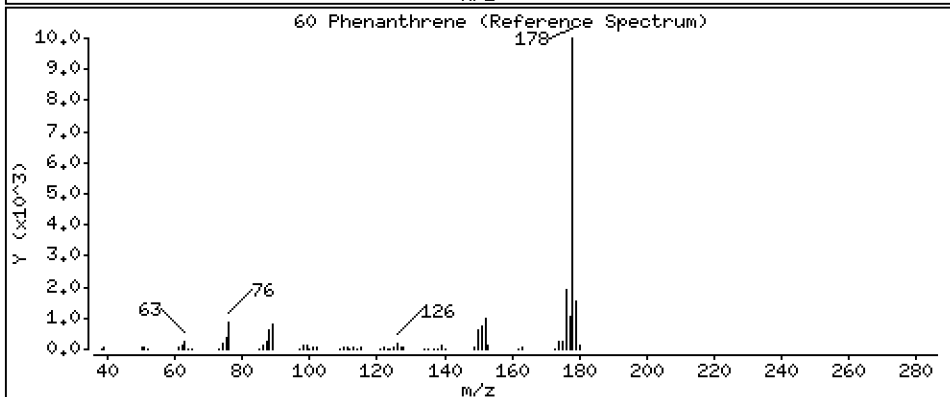
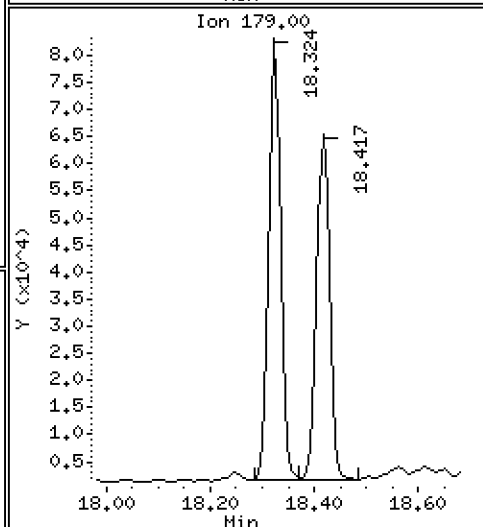
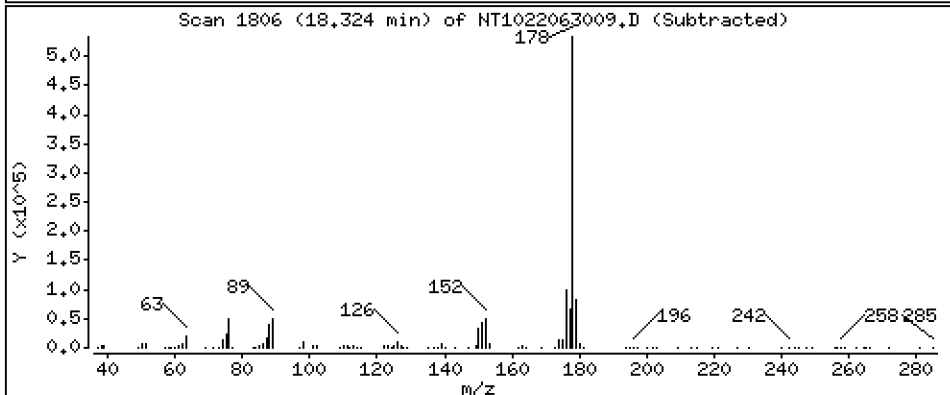
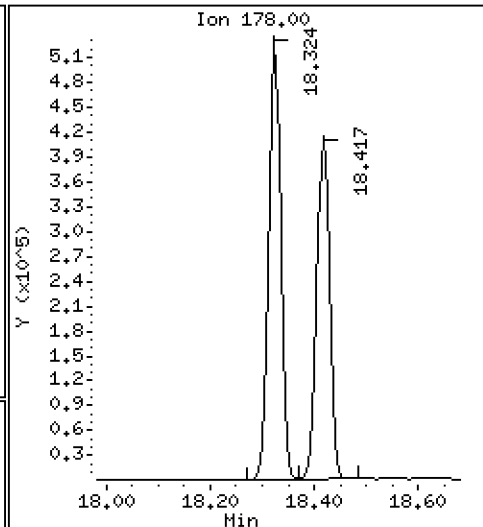
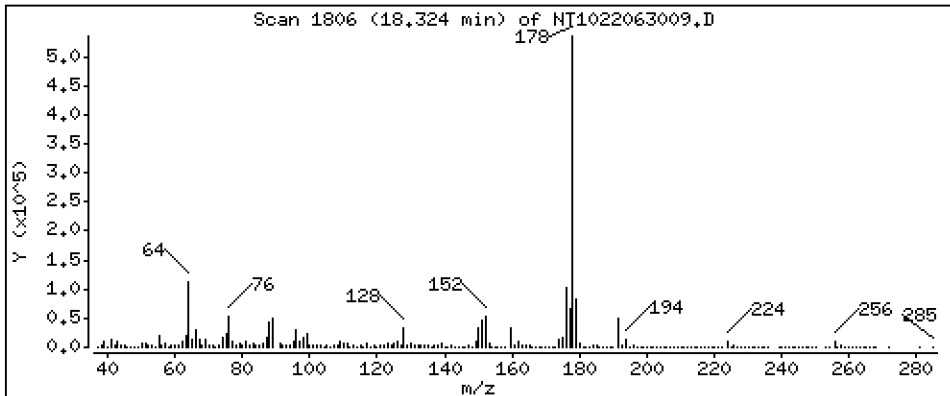
Operator: VTS

Column phase: ZB-5msi

Column diameter: 0,25

60 Phenanthrene

Concentration: 5,118 ug/mL



Date : 30-JUN-2022 18:44

Client ID:

Instrument: nt10.i

Sample Info: BKF0469-MS1

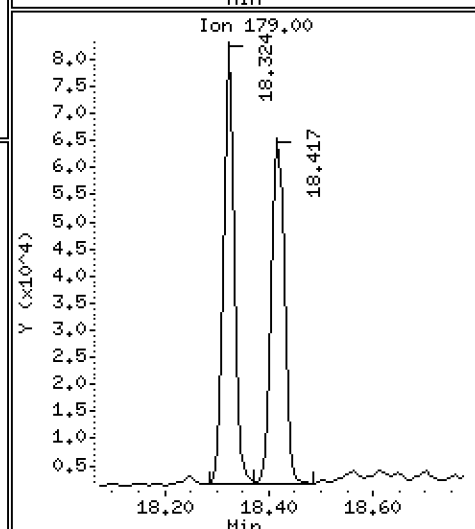
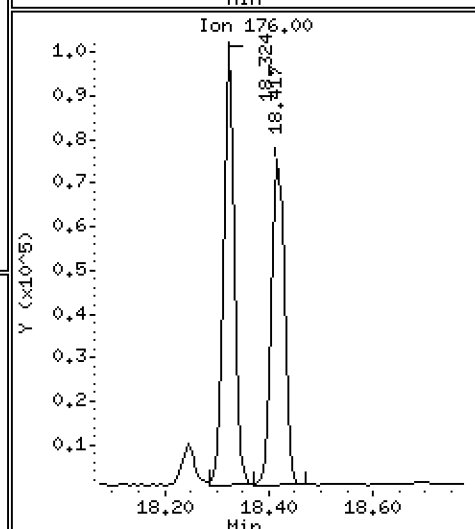
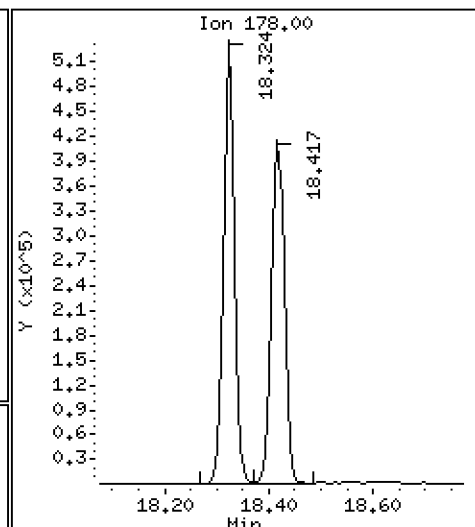
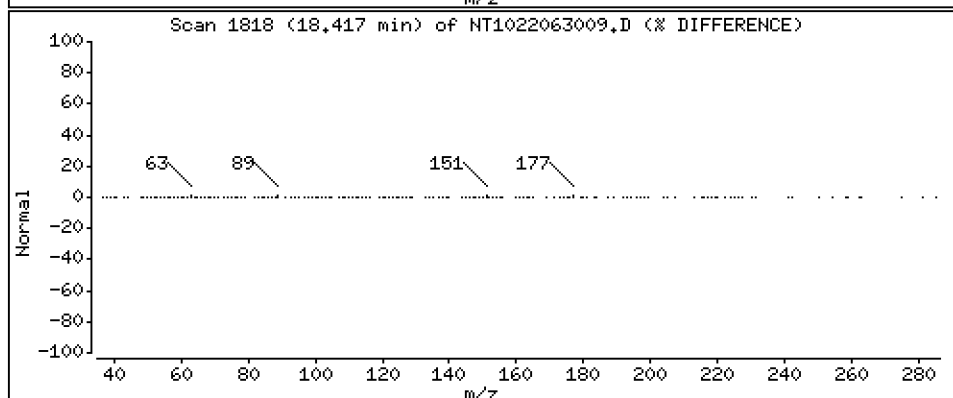
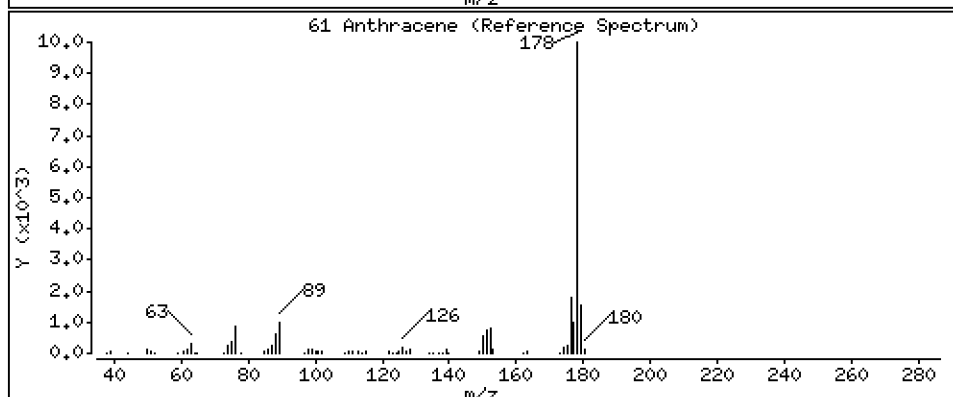
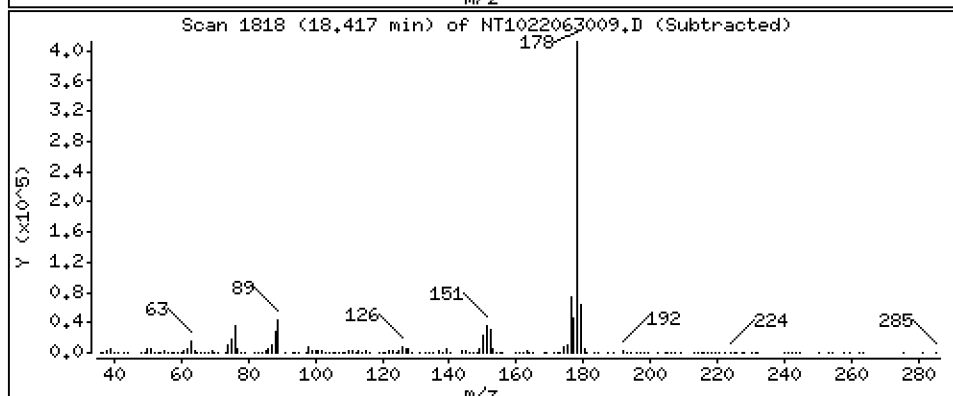
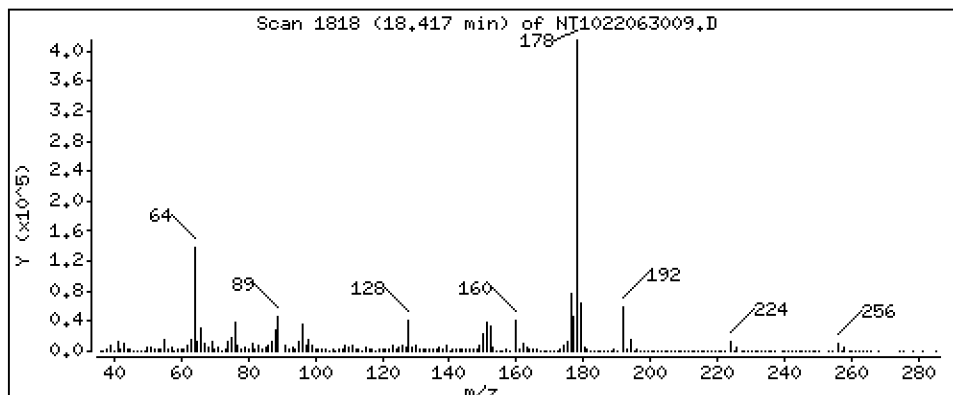
Operator: VTS

Column phase: ZB-5msi

Column diameter: 0,25

61 Anthracene

Concentration: 4,096 ug/mL



Date : 30-JUN-2022 18:44

Client ID:

Instrument: nt10.i

Sample Info: BKF0469-MS1

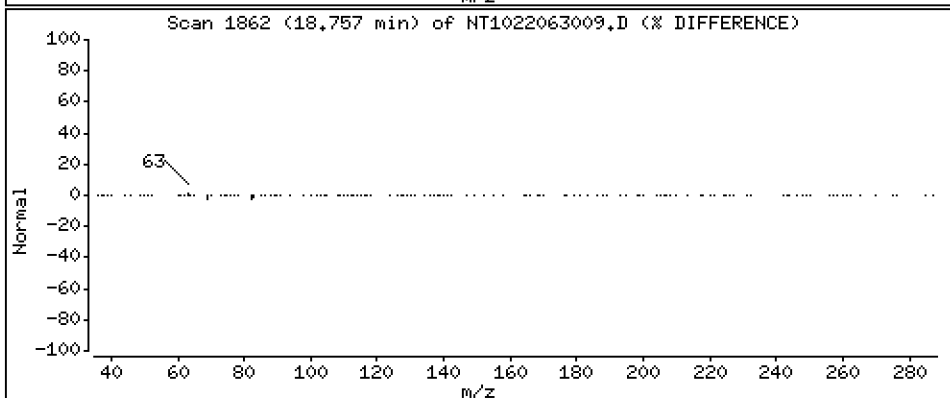
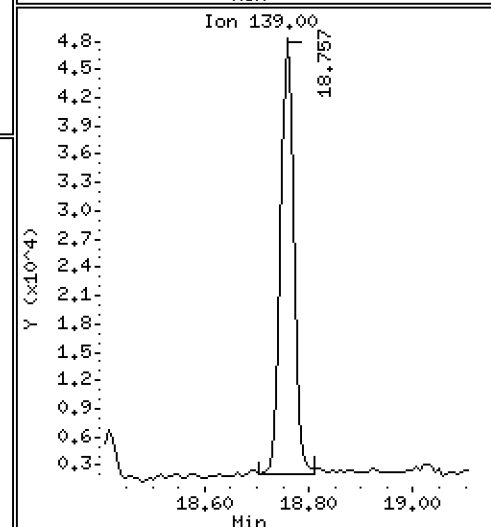
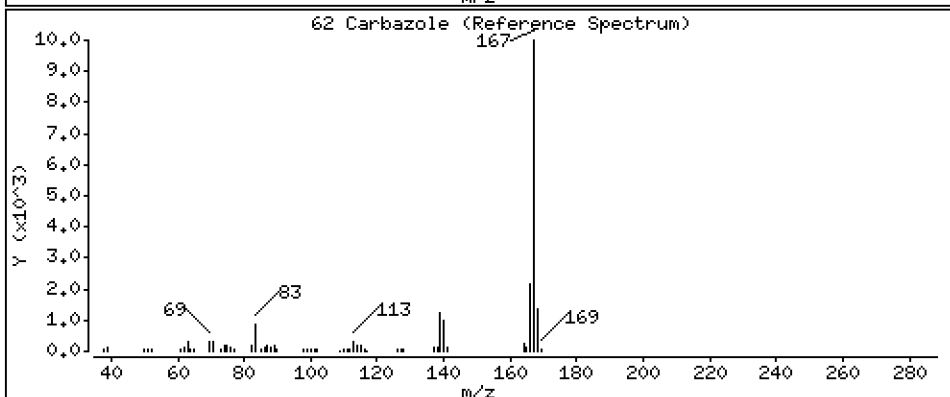
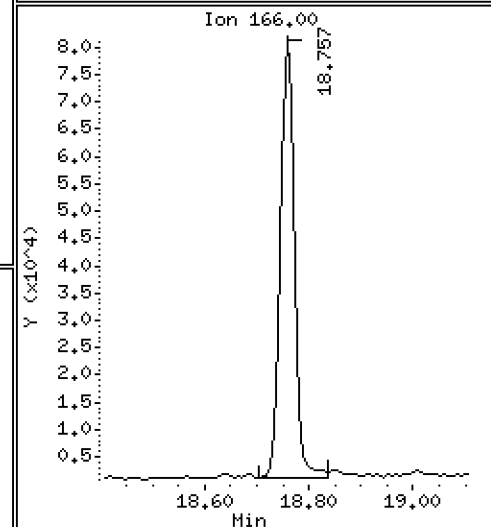
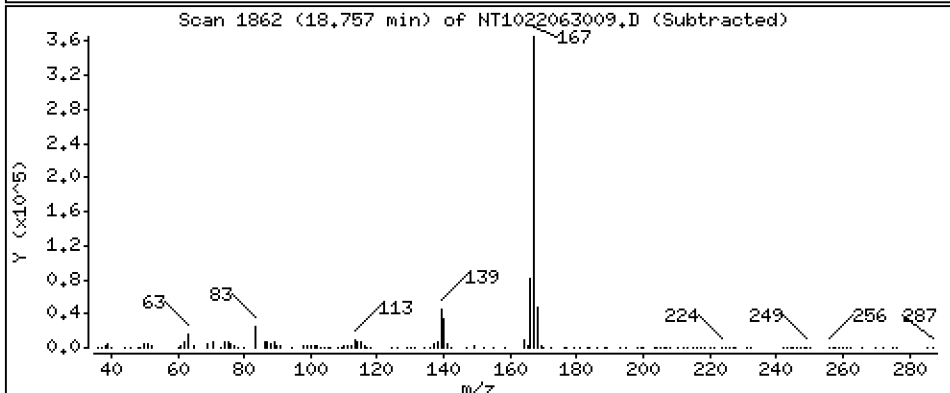
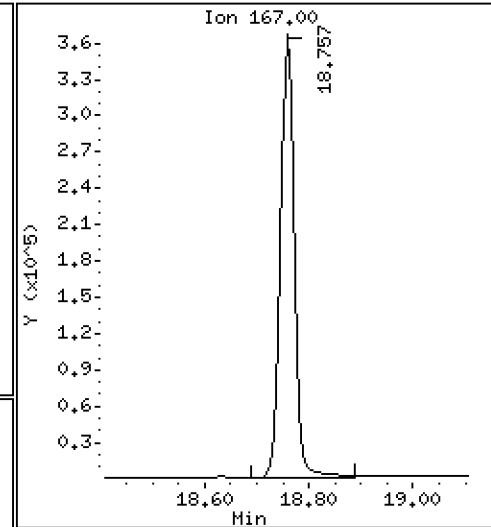
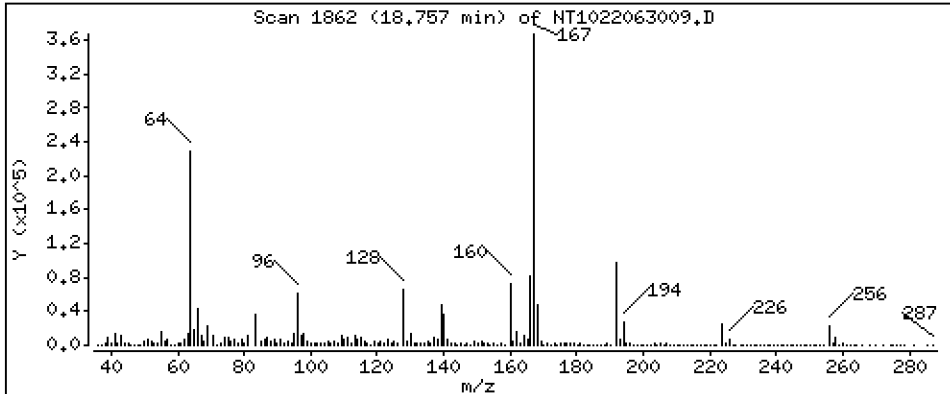
Operator: VTS

Column phase: ZB-5msi

Column diameter: 0,25

62 Carbazole

Concentration: 4,223 ug/mL



Date : 30-JUN-2022 18:44

Client ID:

Instrument: nt10.i

Sample Info: BKF0469-MS1

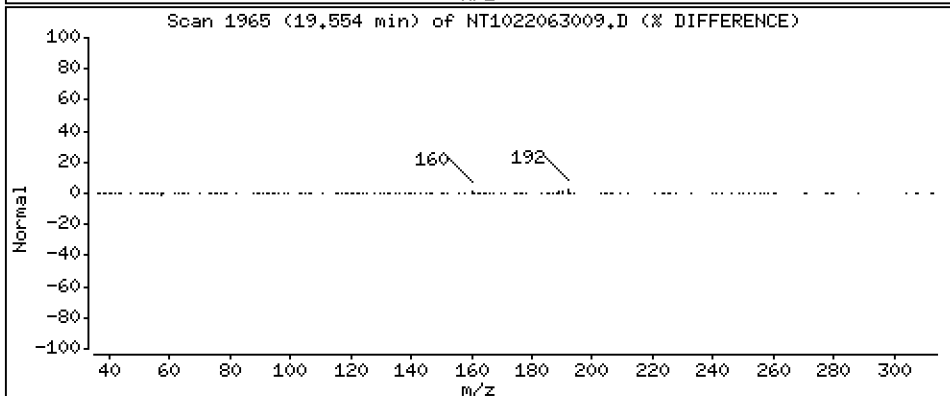
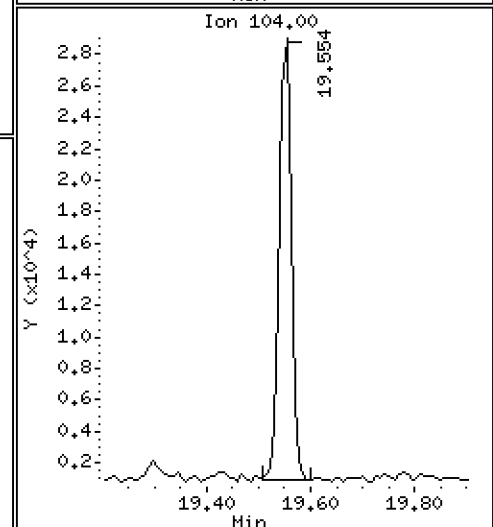
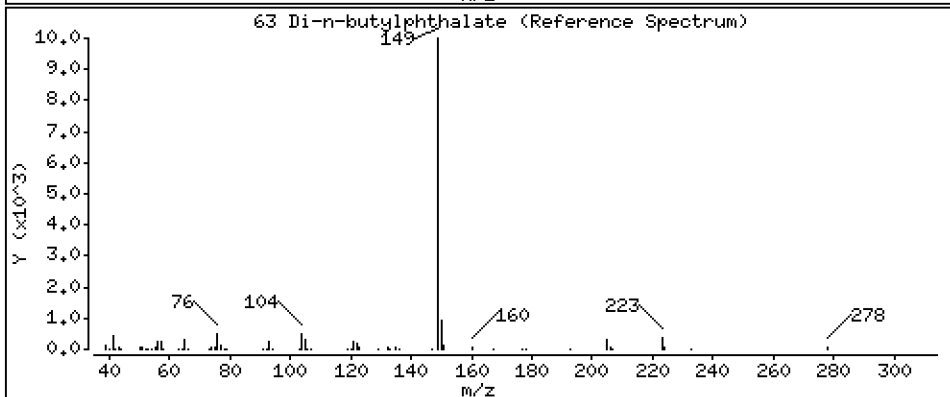
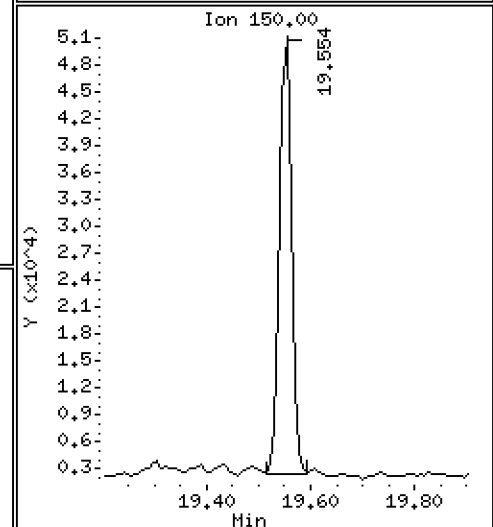
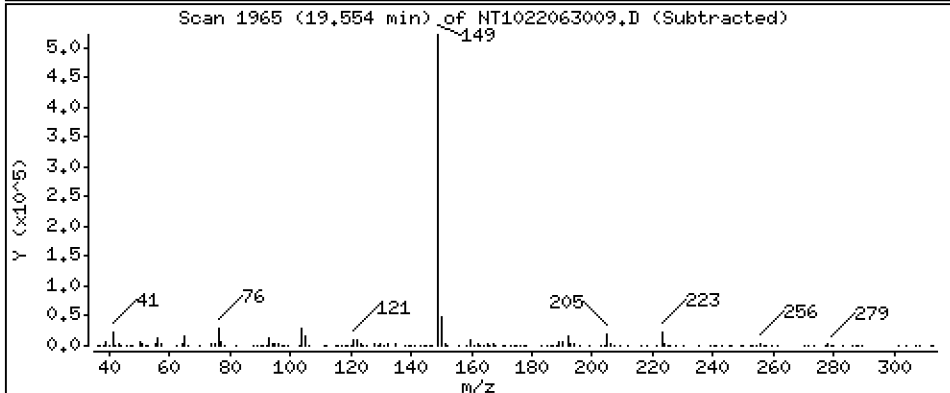
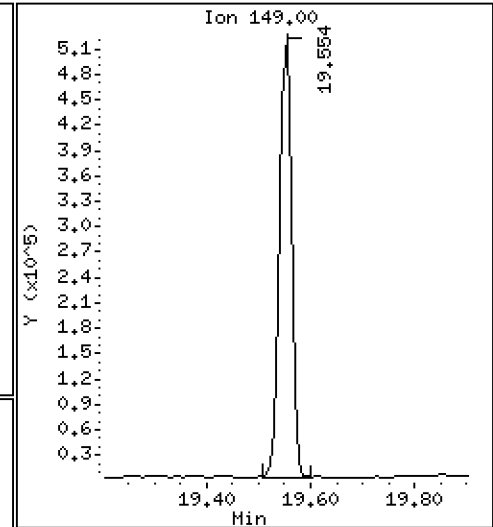
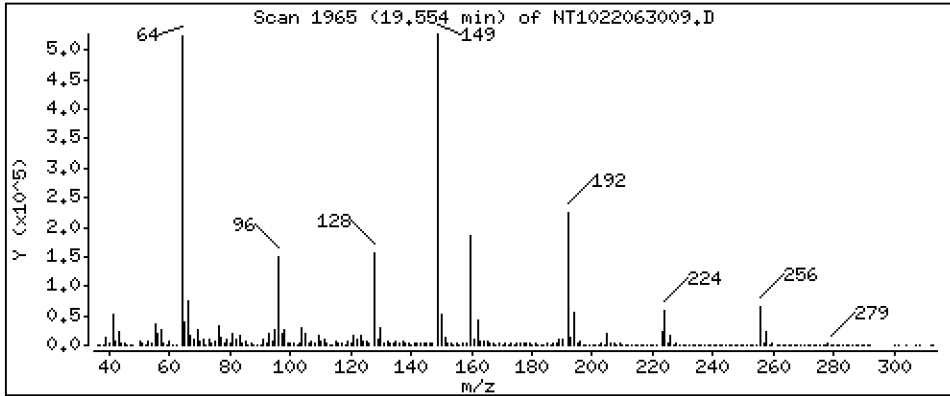
Operator: VTS

Column phase: ZB-5msi

Column diameter: 0.25

63 Di-n-butylphthalate

Concentration: 3.391 ug/mL



Date : 30-JUN-2022 18:44

Client ID:

Instrument: nt10.i

Sample Info: BKF0469-MS1

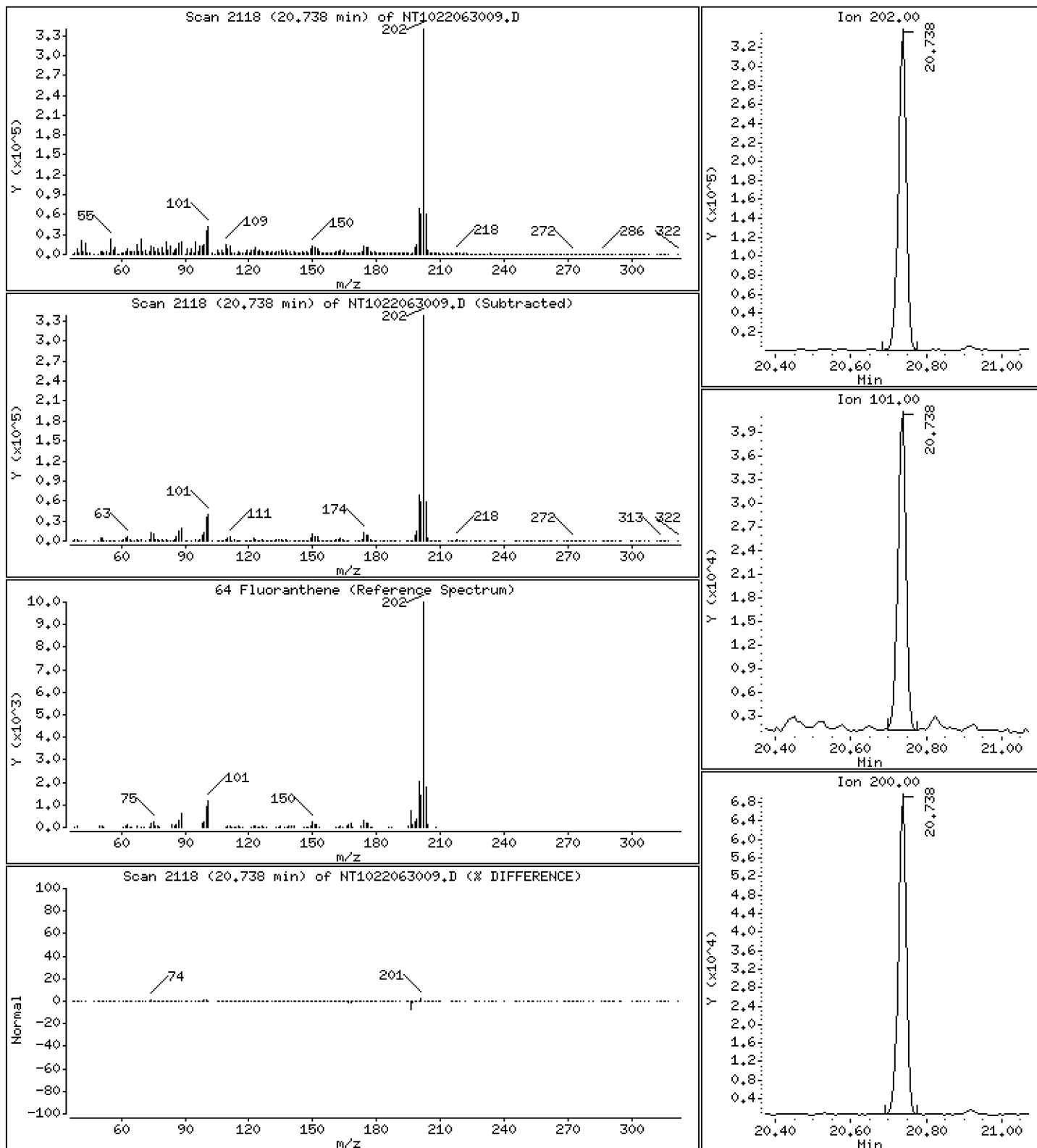
Operator: VTS

Column phase: ZB-5msi

Column diameter: 0,25

64 Fluoranthene

Concentration: 5,178 ug/mL



Date : 30-JUN-2022 18:44

Client ID:

Instrument: nt10.i

Sample Info: BKF0469-MS1

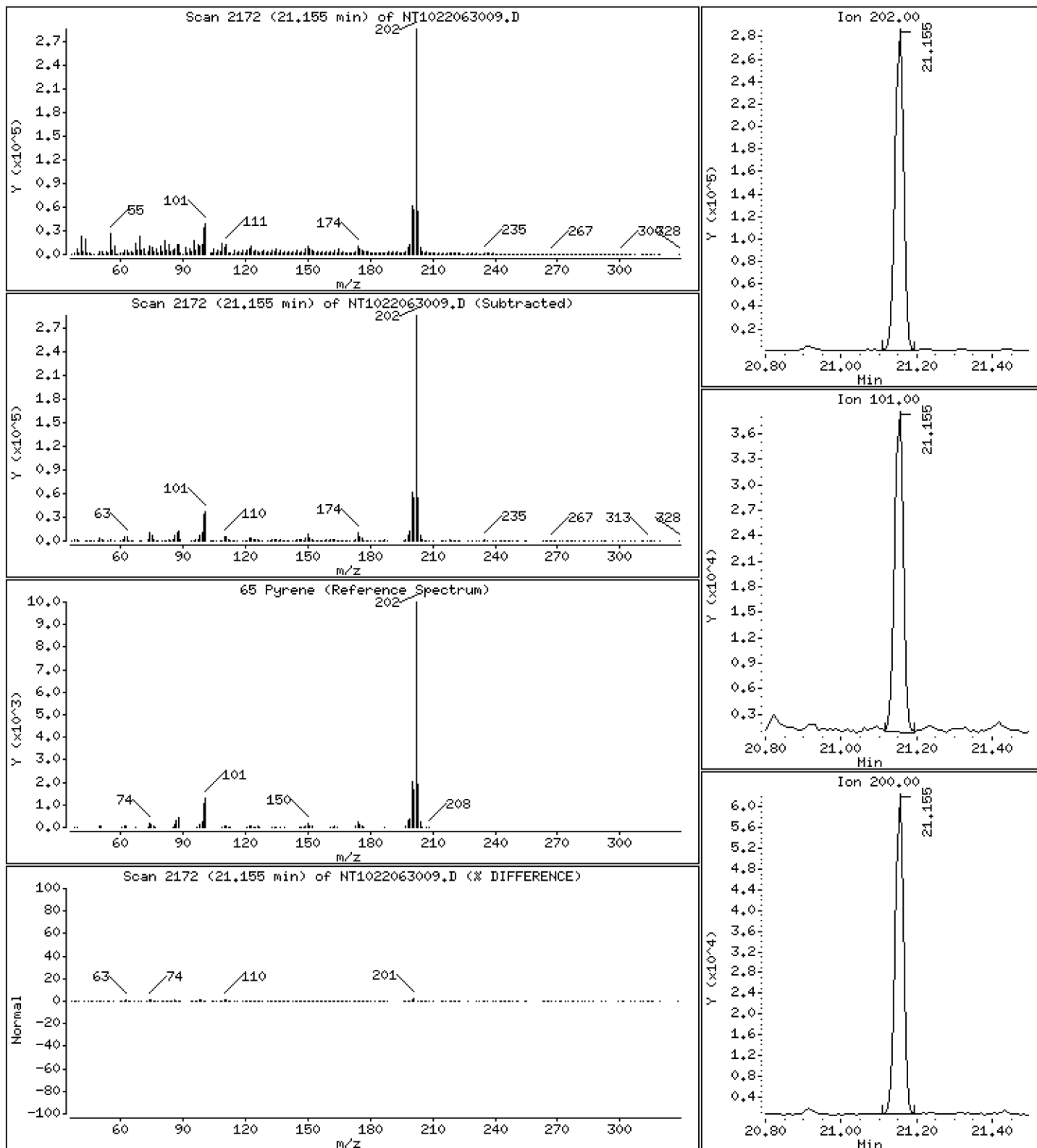
Operator: VTS

Column phase: ZB-5msi

Column diameter: 0,25

65 Pyrene

Concentration: 4,966 ug/mL



Date : 30-JUN-2022 18:44

Client ID:

Instrument: nt10.i

Sample Info: BKF0469-MS1

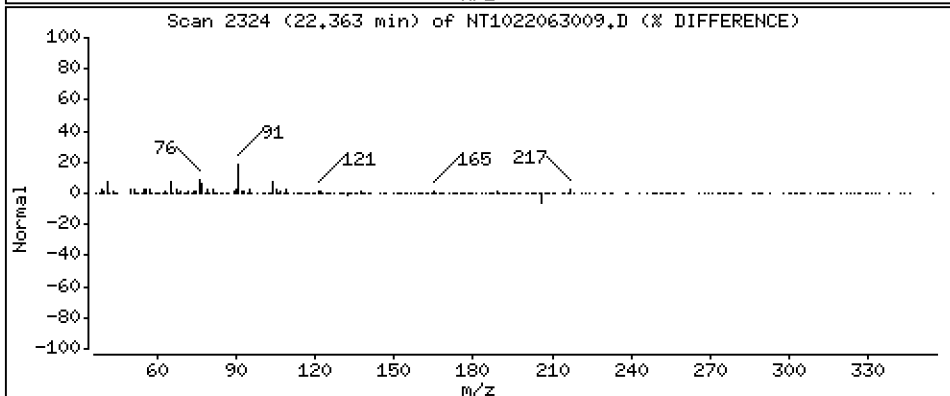
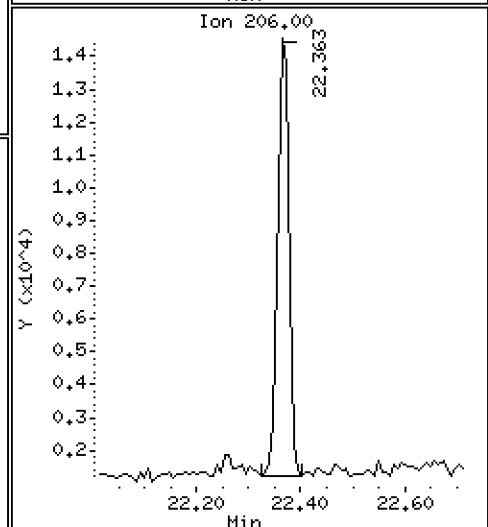
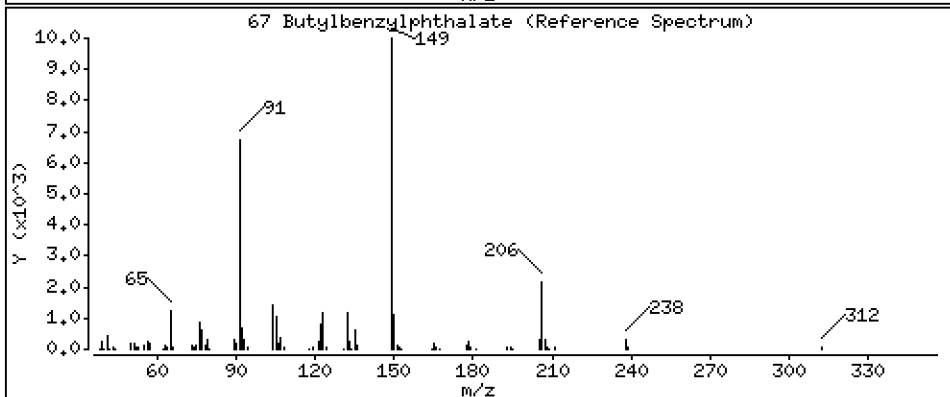
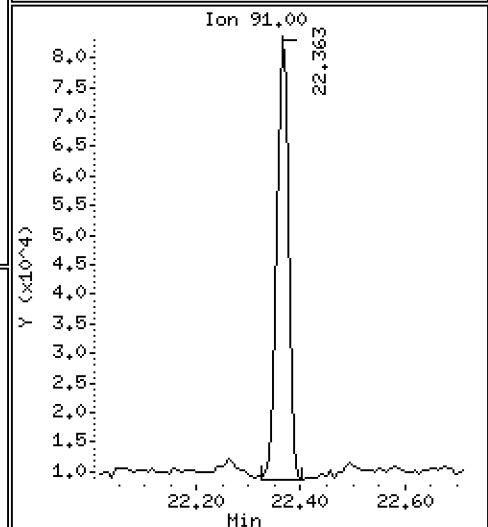
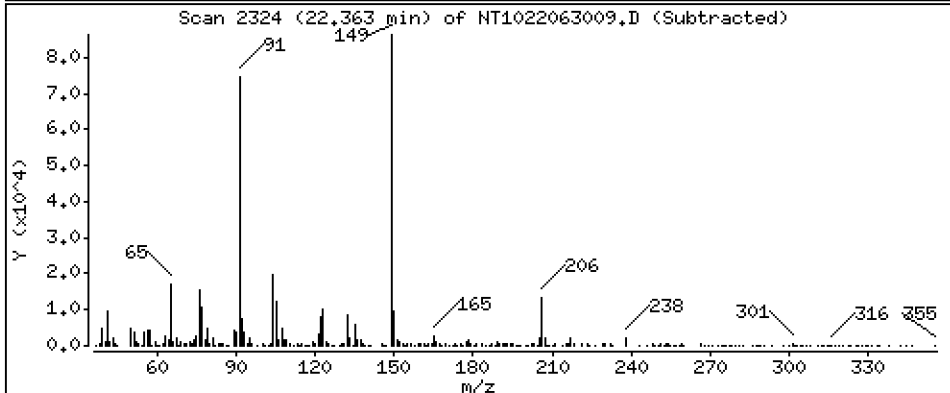
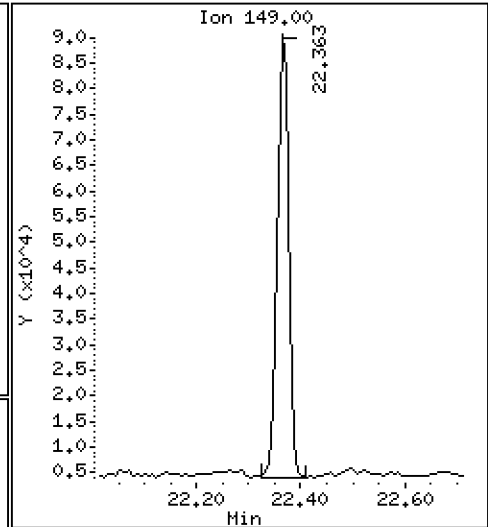
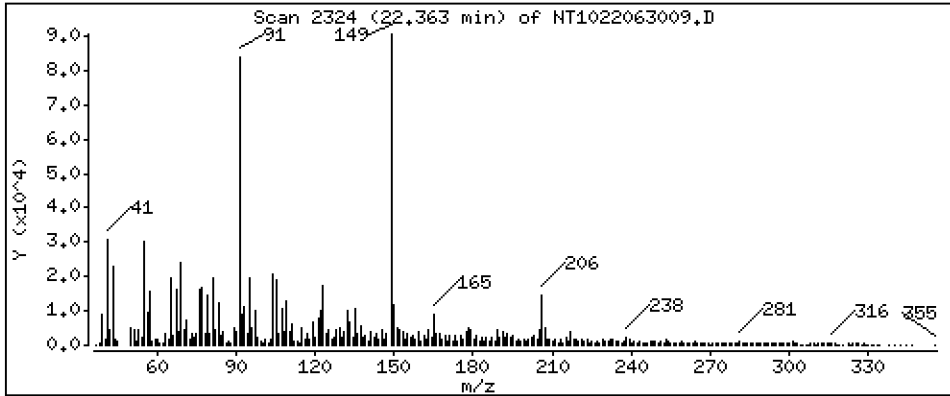
Operator: VTS

Column phase: ZB-5msi

Column diameter: 0,25

67 Butylbenzylphthalate

Concentration: 4,689 ug/mL



Date : 30-JUN-2022 18:44

Client ID:

Instrument: nt10.i

Sample Info: BKF0469-MS1

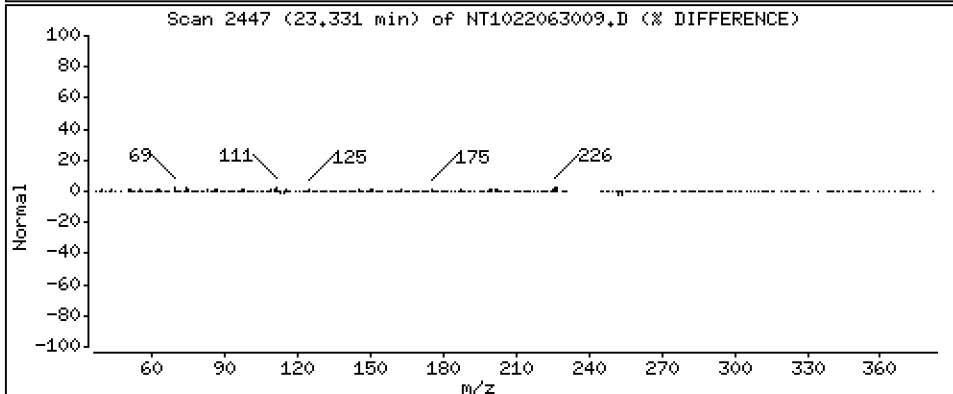
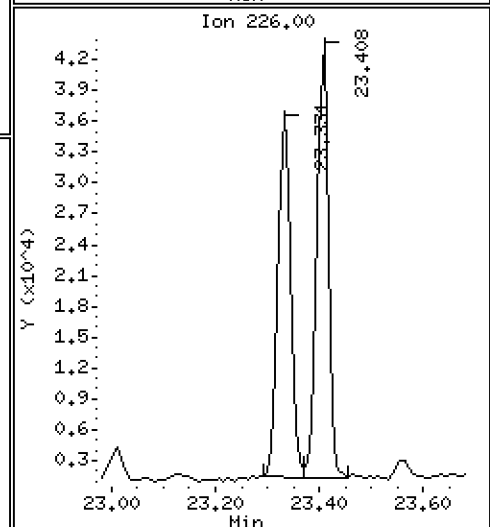
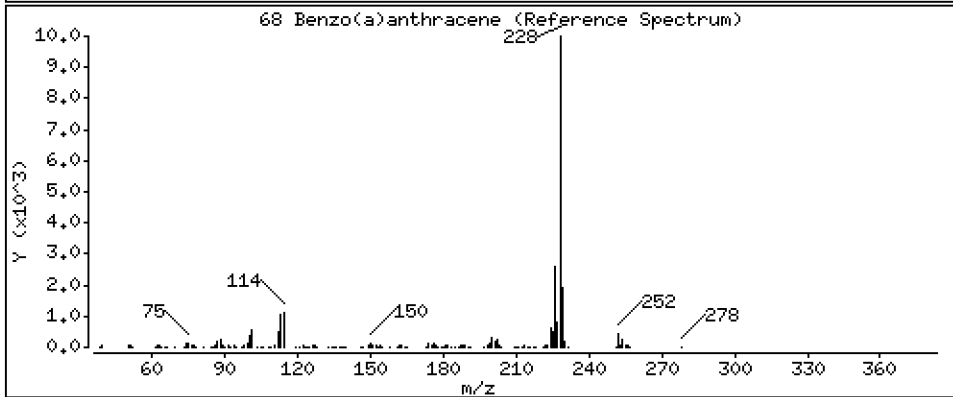
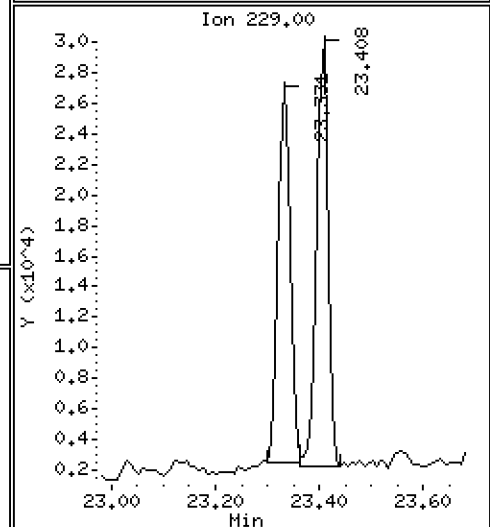
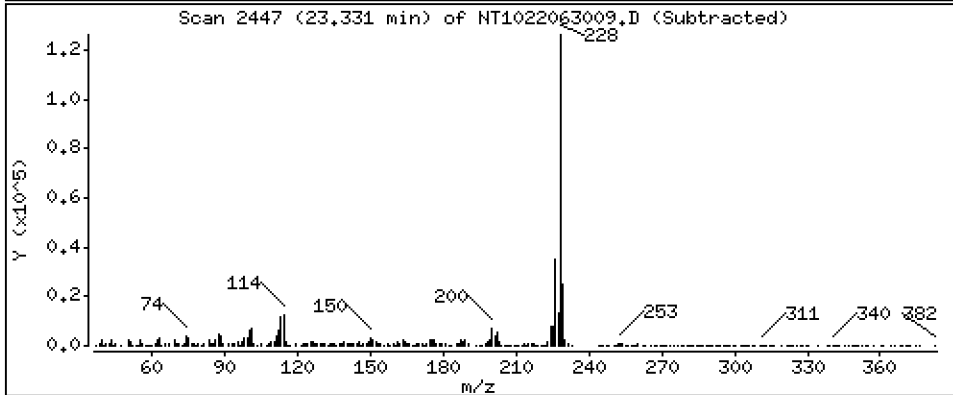
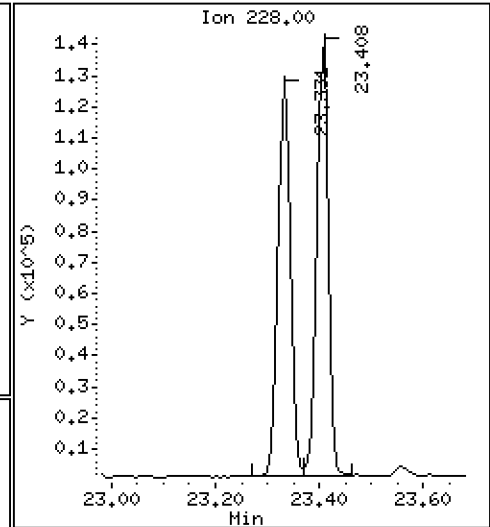
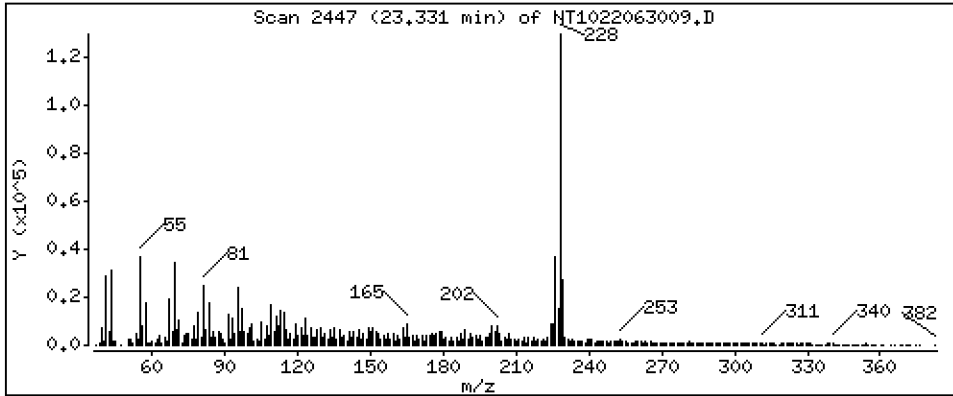
Operator: VTS

Column phase: ZB-5msi

Column diameter: 0,25

68 Benzo(a)anthracene

Concentration: 3,641 ug/mL



Date : 30-JUN-2022 18:44

Client ID:

Instrument: nt10.i

Sample Info: BKF0469-MS1

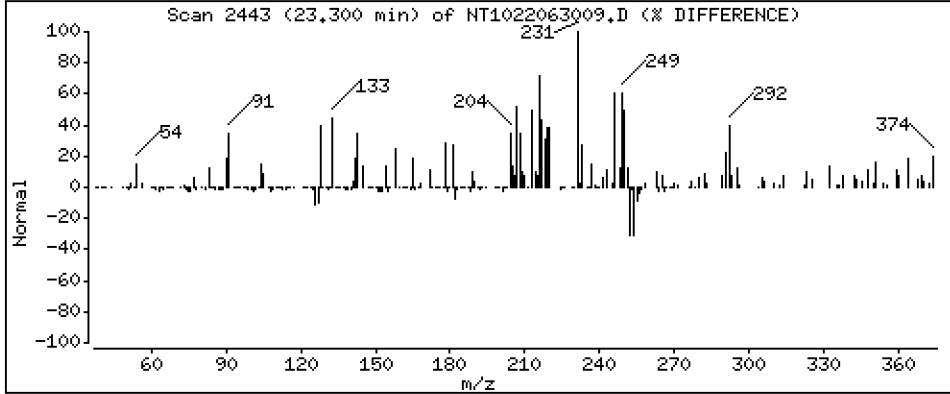
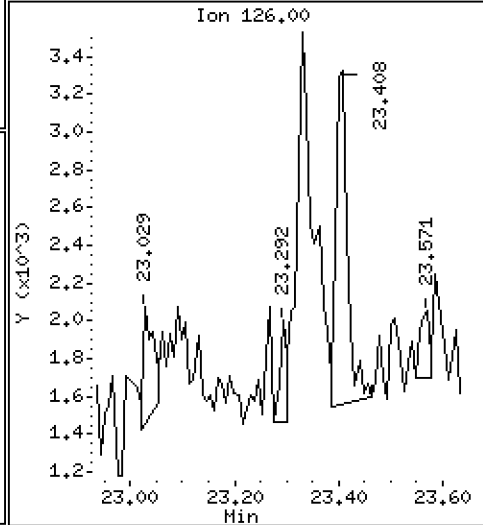
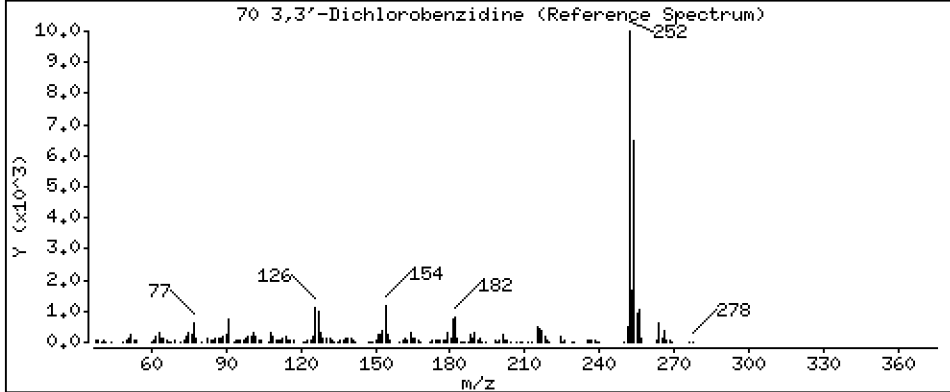
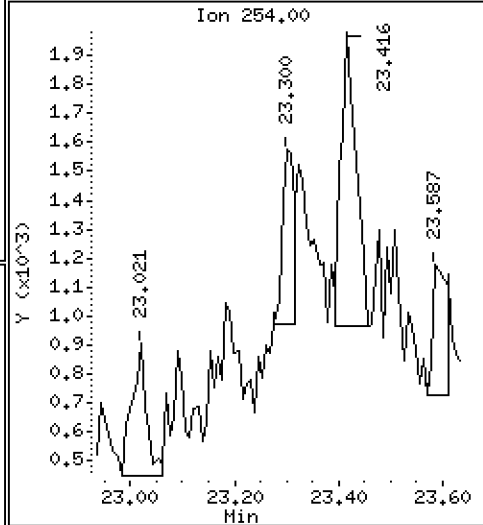
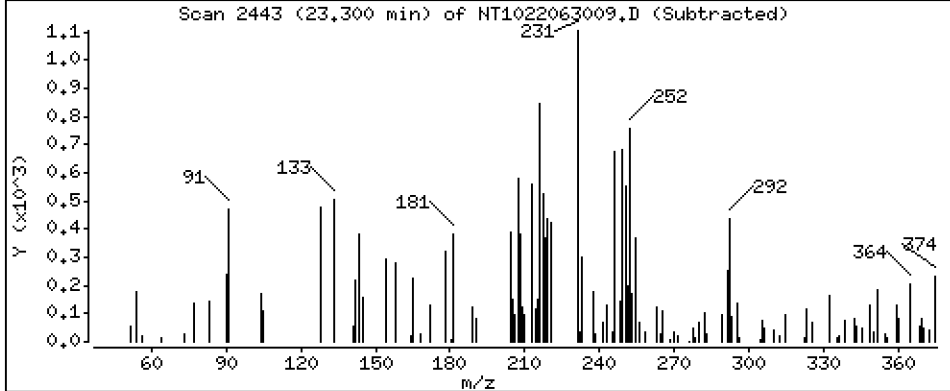
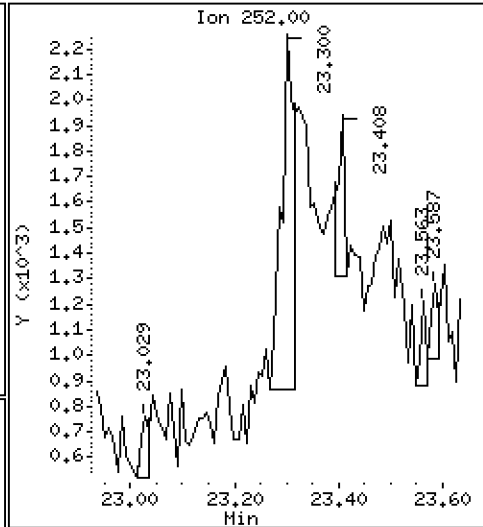
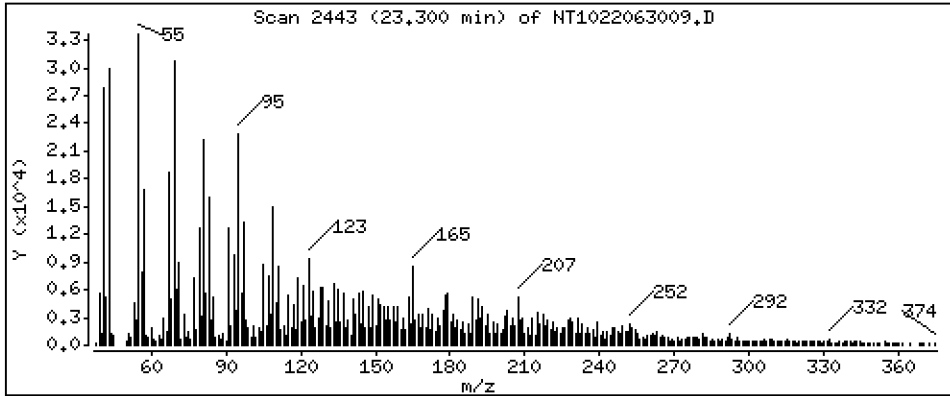
Operator: VTS

Column phase: ZB-5msi

Column diameter: 0,25

70 3,3'-Dichlorobenzidine

Concentration: 0,1322 ug/mL



Date : 30-JUN-2022 18:44

Client ID:

Instrument: nt10.i

Sample Info: BKF0469-MS1

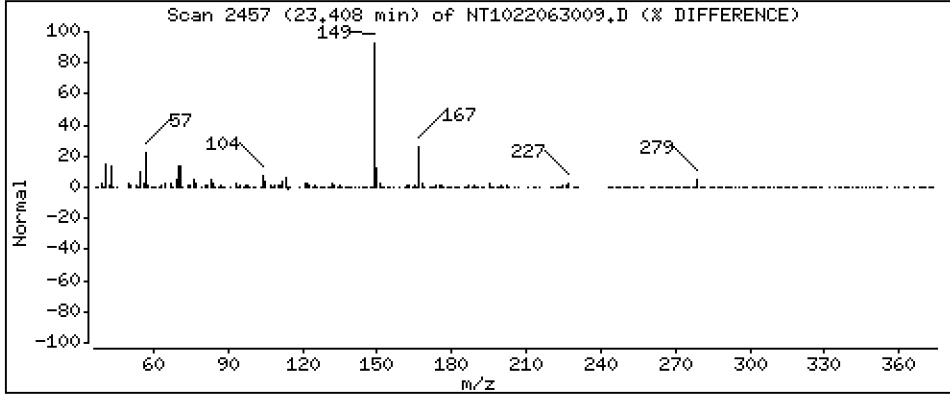
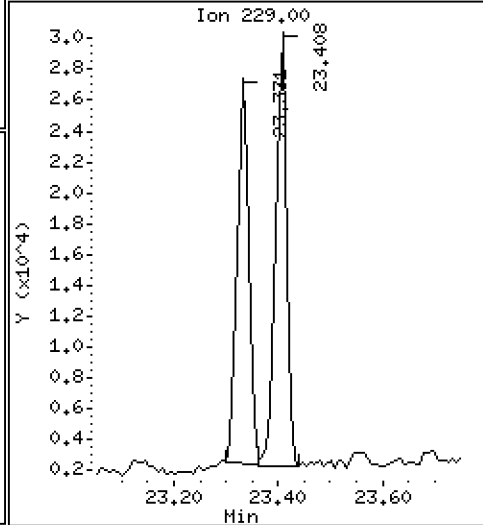
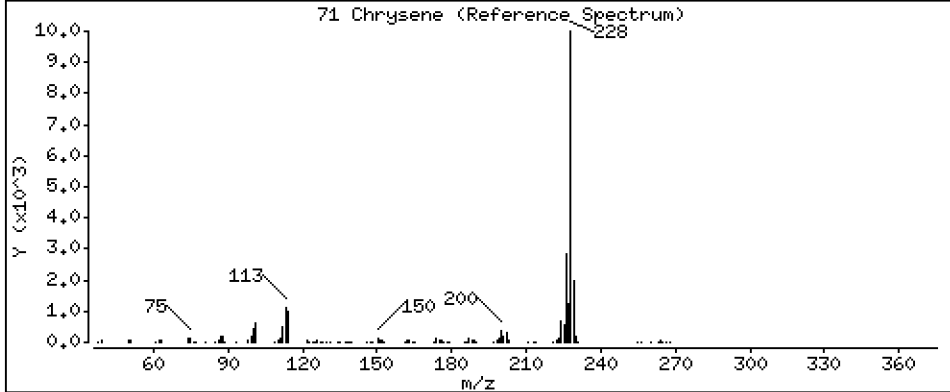
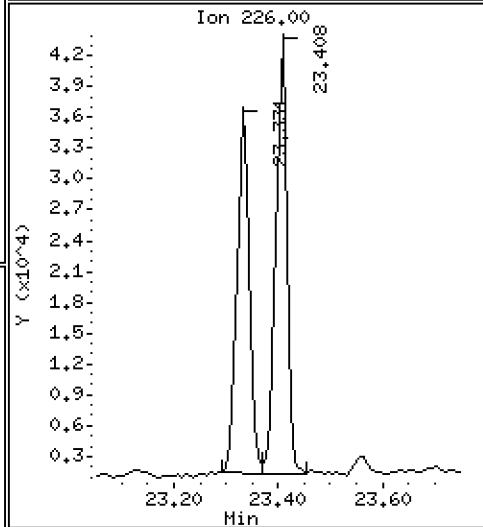
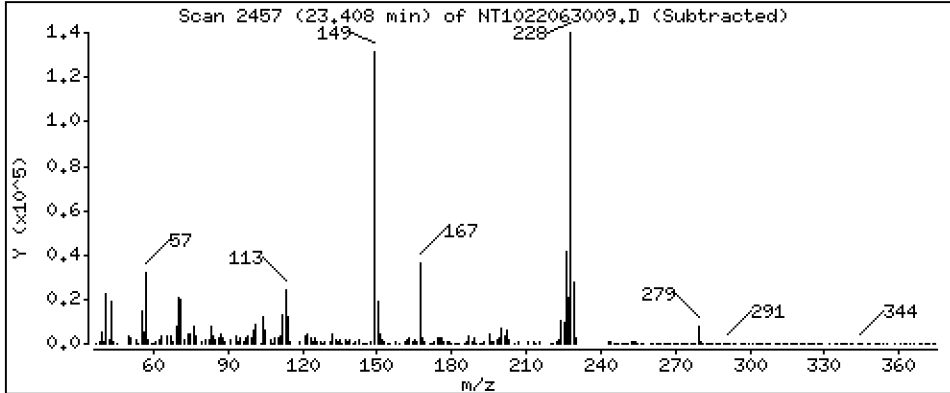
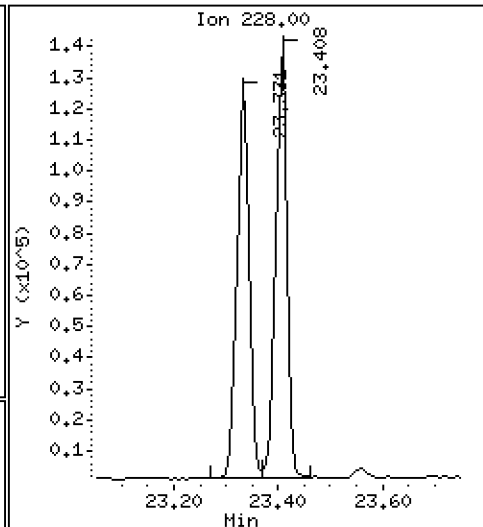
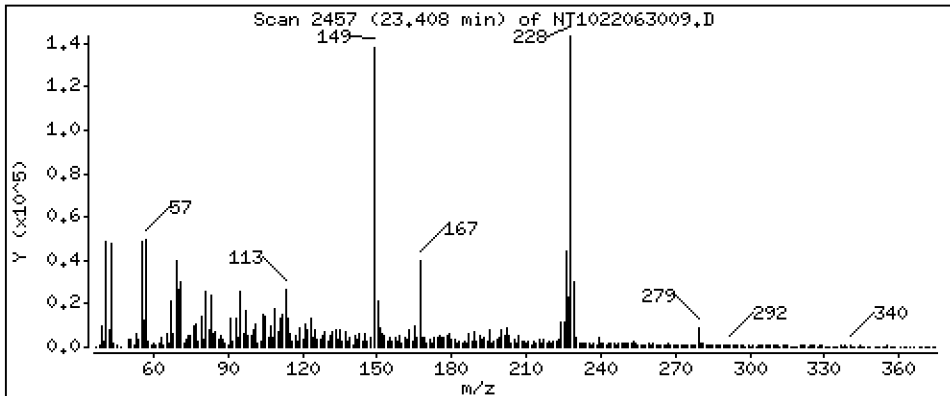
Operator: VTS

Column phase: ZB-5msi

Column diameter: 0,25

71 Chrysene

Concentration: 5,146 ug/mL



Date : 30-JUN-2022 18:44

Client ID:

Instrument: nt10.i

Sample Info: BKF0469-MS1

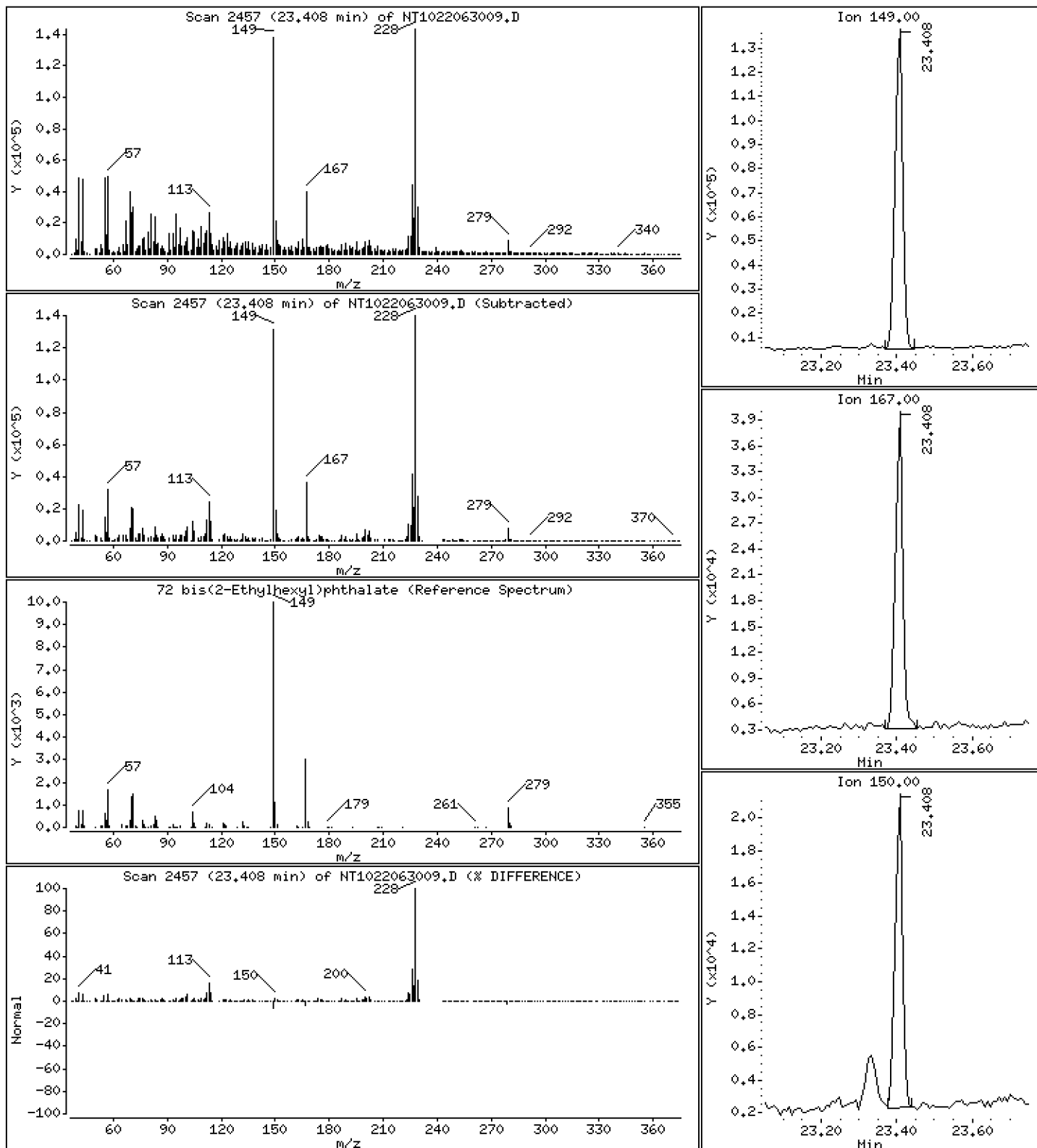
Operator: VTS

Column phase: ZB-5msi

Column diameter: 0,25

72 bis(2-Ethylhexyl)phthalate

Concentration: 5,264 ug/mL



Date : 30-JUN-2022 18:44

Client ID:

Instrument: nt10.i

Sample Info: BKF0469-MS1

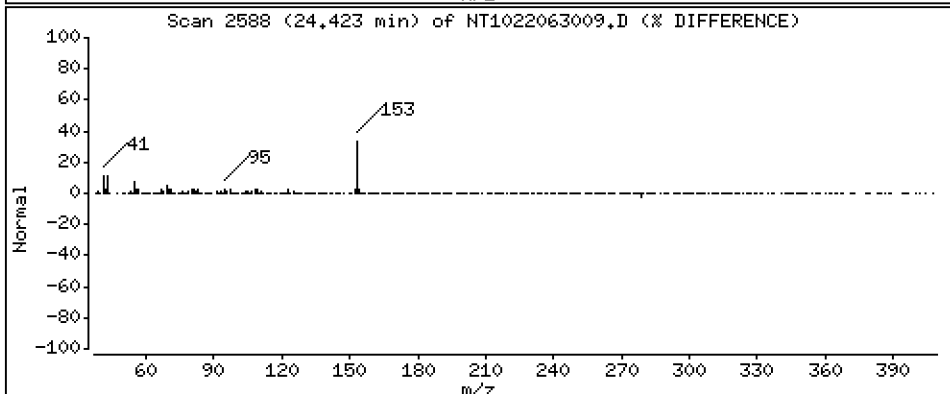
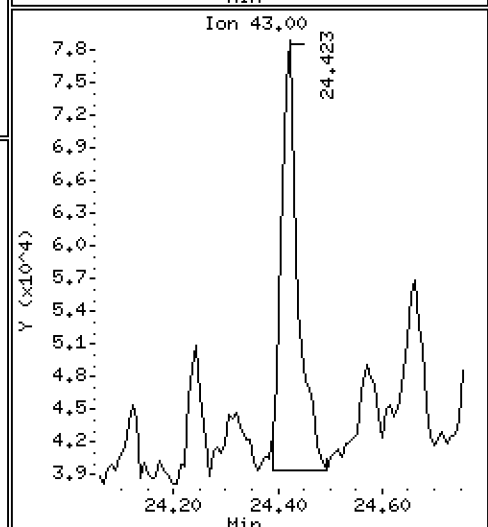
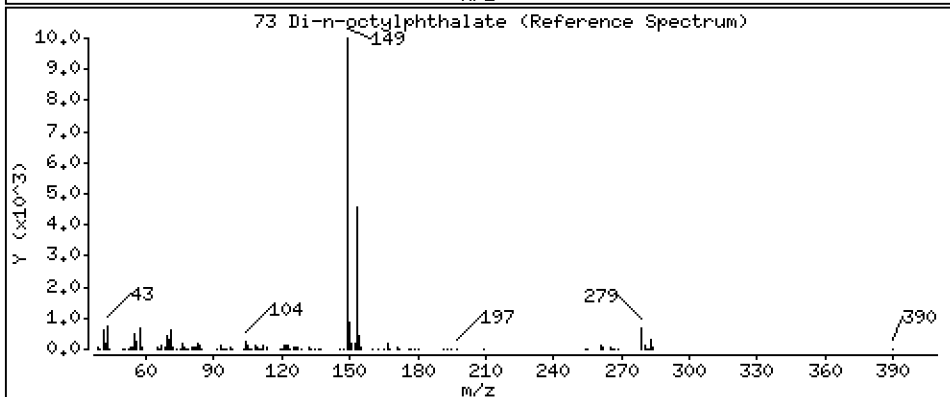
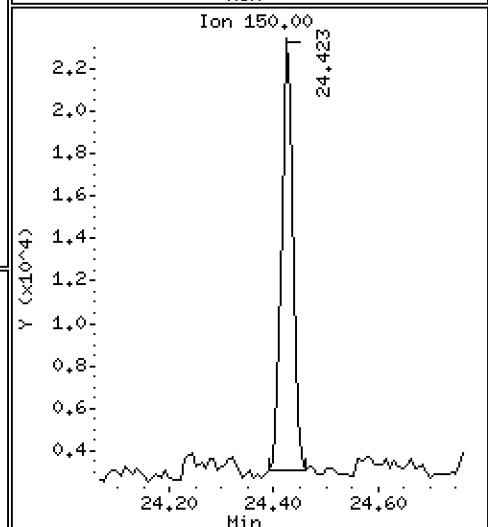
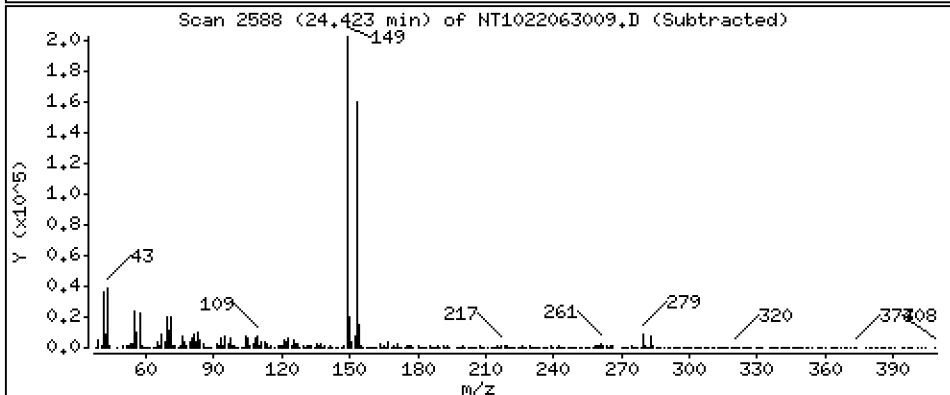
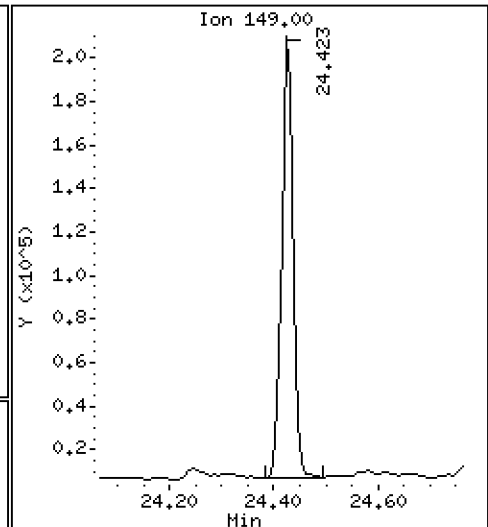
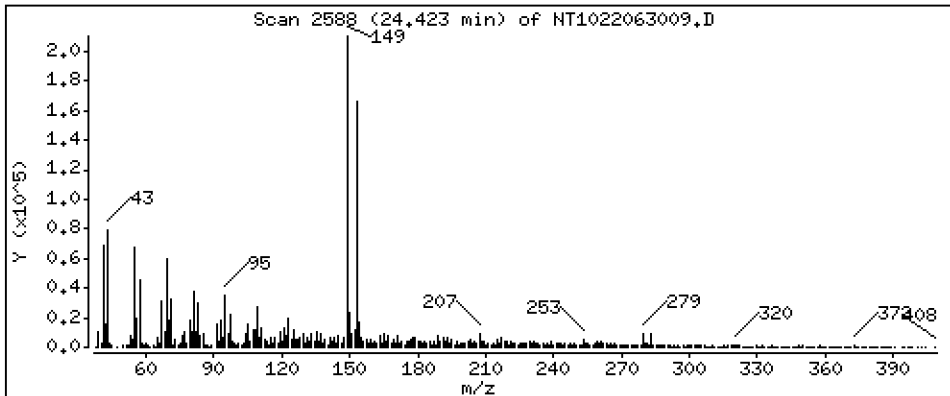
Operator: VTS

Column phase: ZB-5msi

Column diameter: 0,25

73 Di-n-octylphthalate

Concentration: 4,368 ug/mL



Date : 30-JUN-2022 18:44

Client ID:

Instrument: nt10.i

Sample Info: BKF0469-MS1

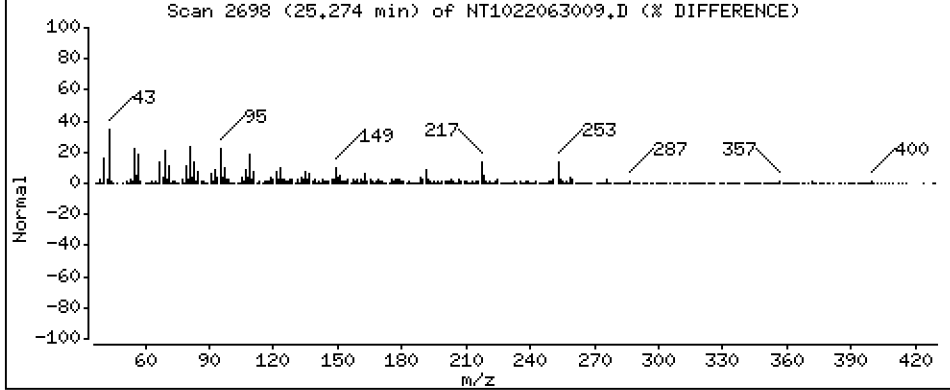
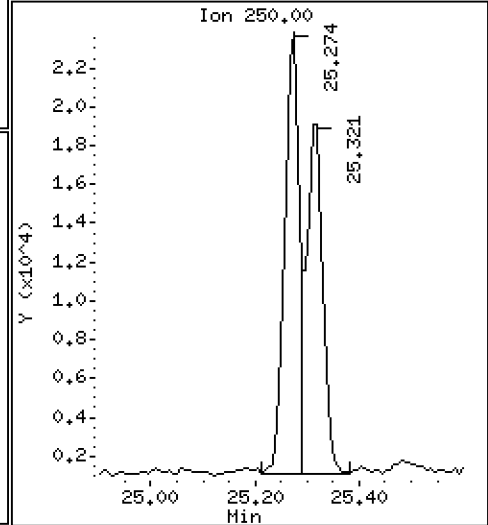
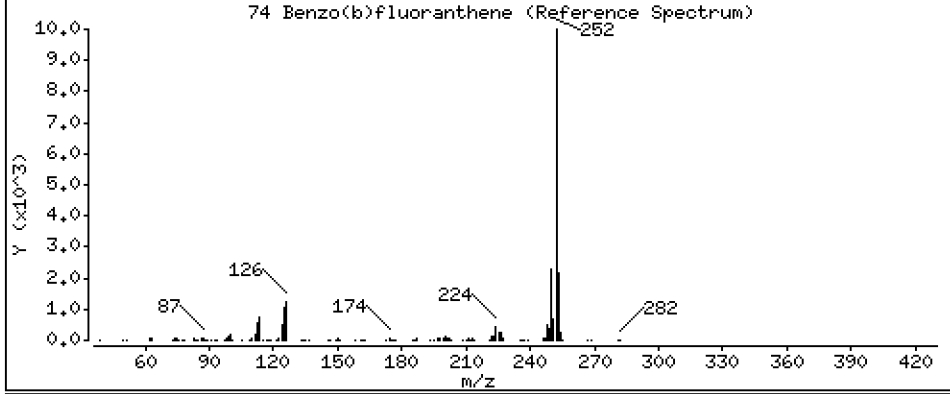
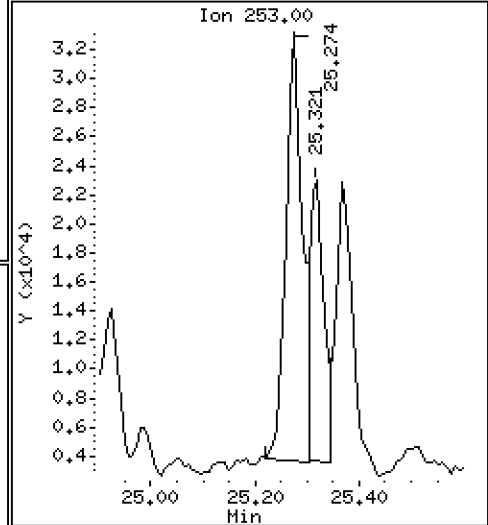
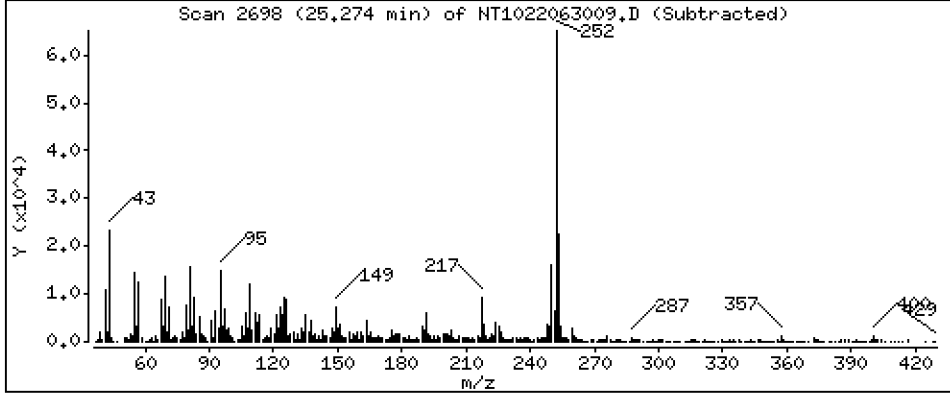
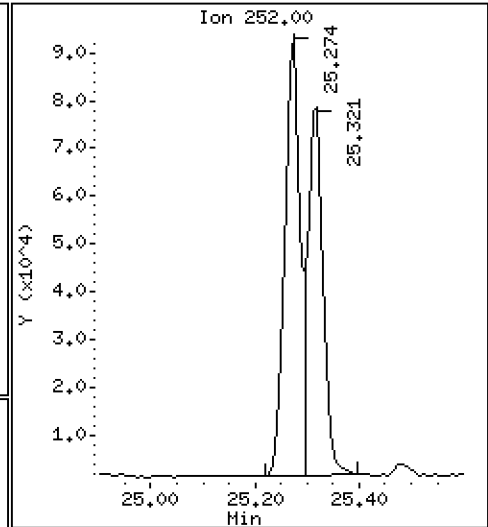
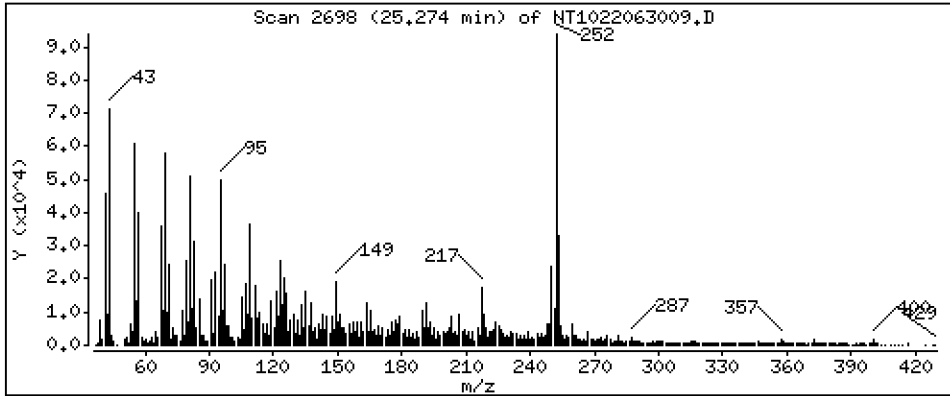
Operator: VTS

Column phase: ZB-5msi

Column diameter: 0,25

74 Benzo(b)fluoranthene

Concentration: 3,915 ug/mL



Date : 30-JUN-2022 18:44

Client ID:

Instrument: nt10.i

Sample Info: BKF0469-MS1

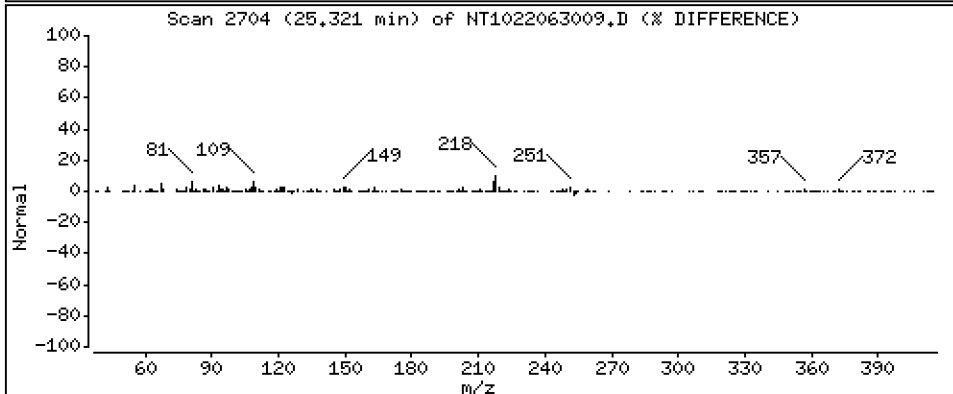
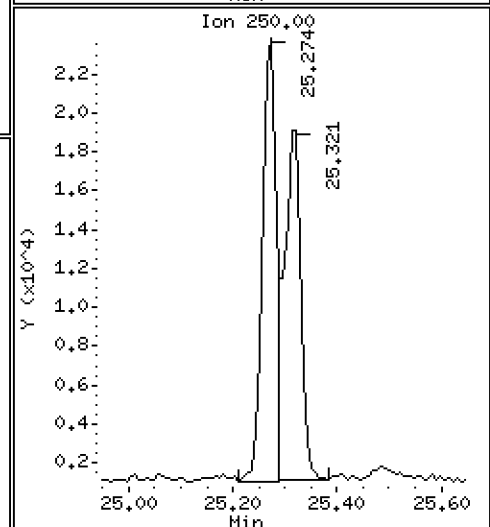
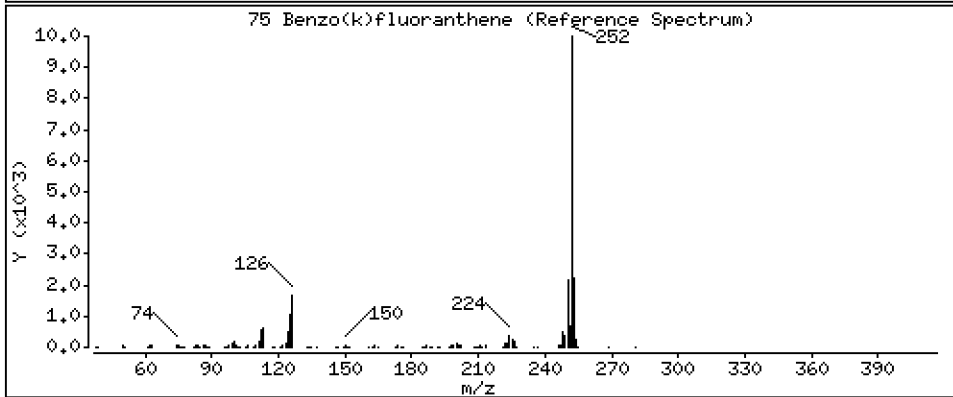
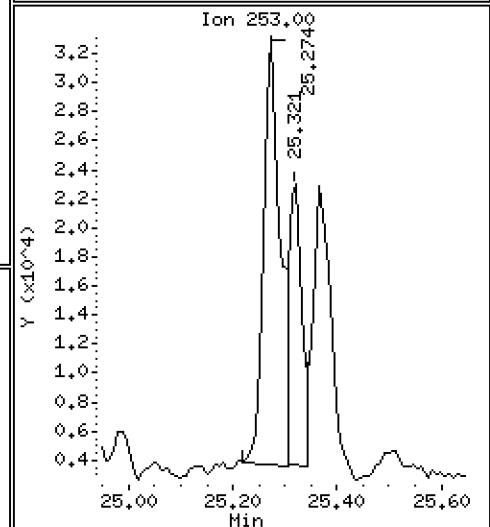
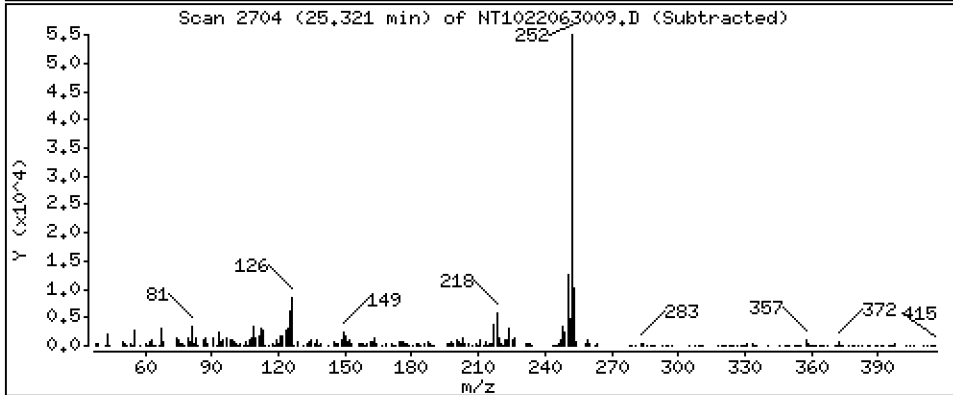
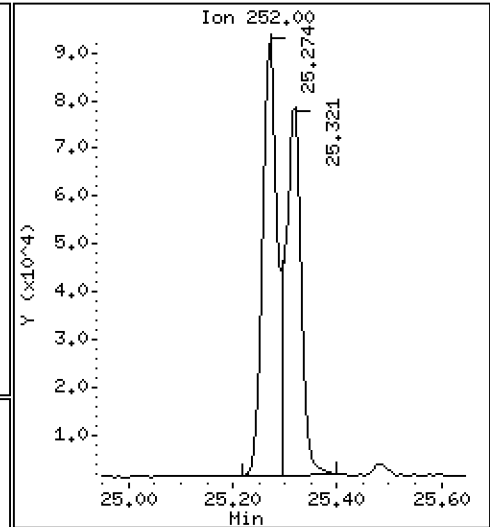
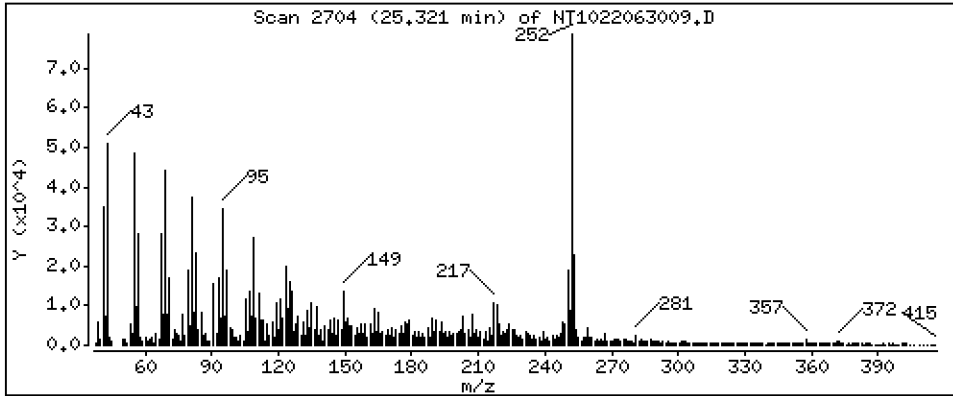
Operator: VTS

Column phase: ZB-5msi

Column diameter: 0,25

75 Benzo(k)fluoranthene

Concentration: 3,276 ug/mL



Date : 30-JUN-2022 18:44

Client ID:

Instrument: nt10.i

Sample Info: BKF0469-MS1

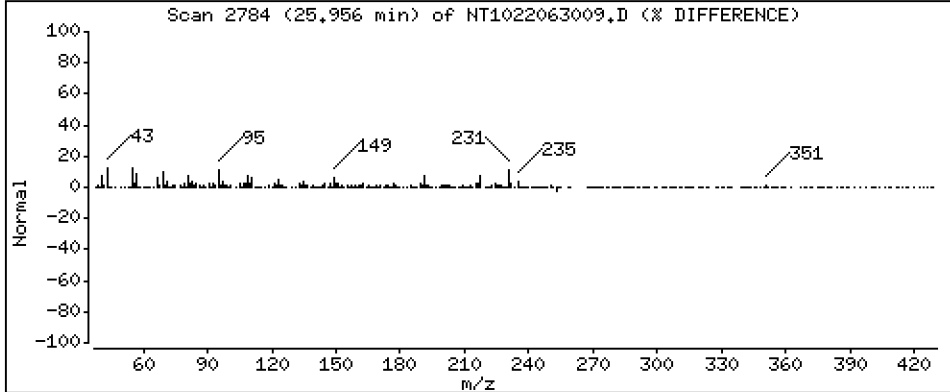
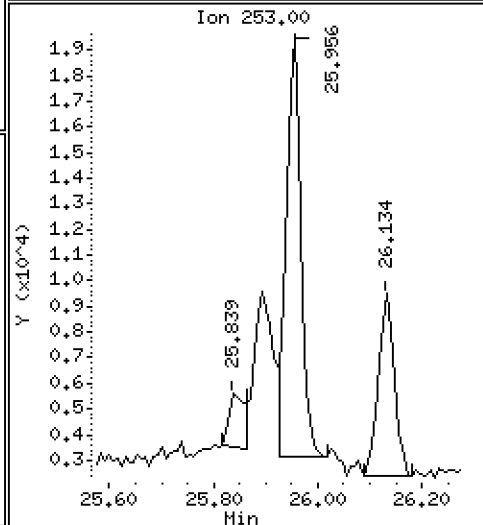
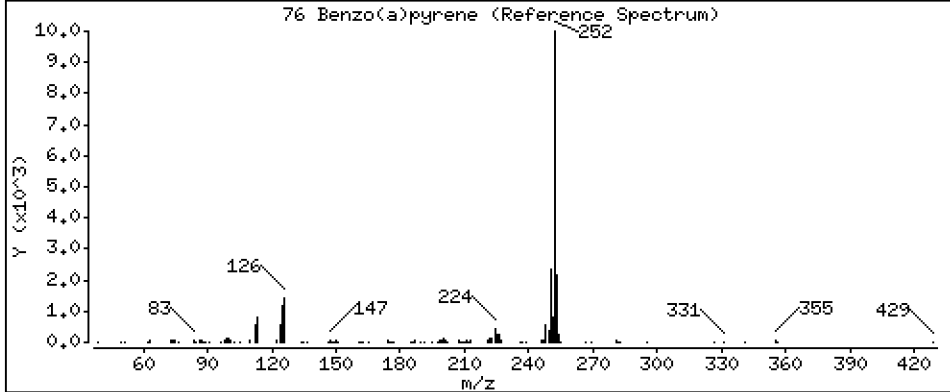
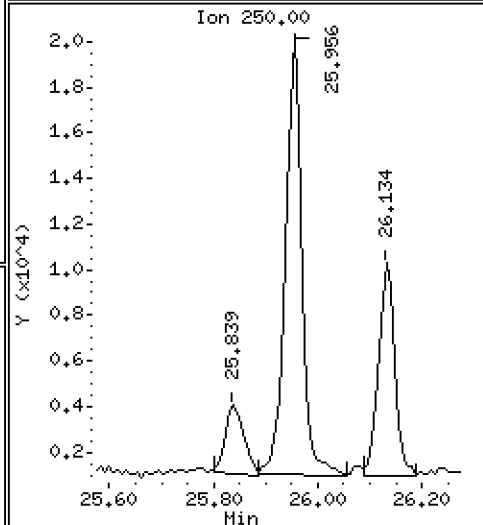
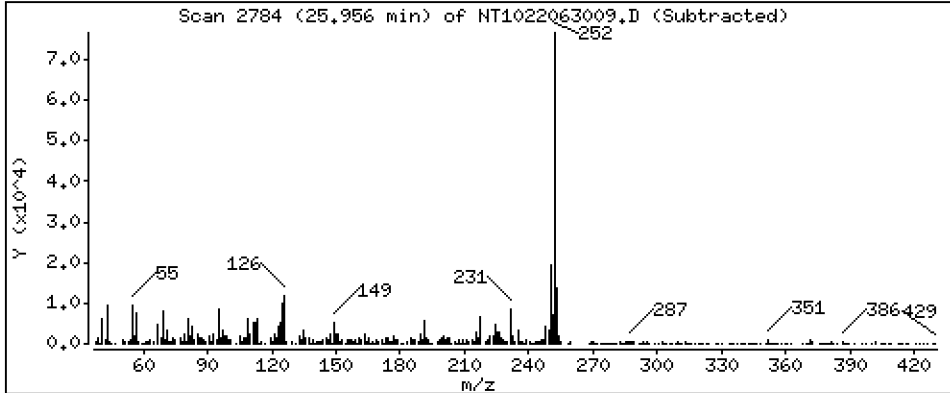
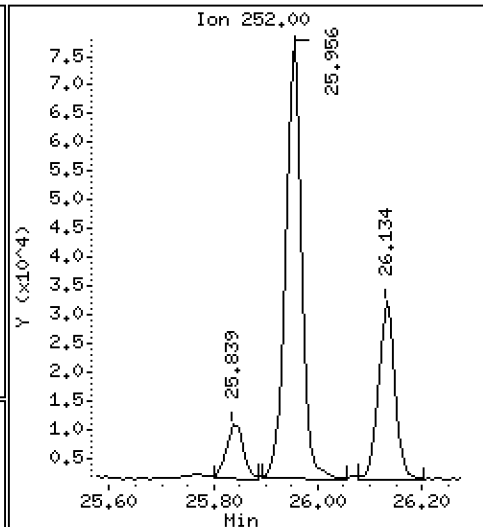
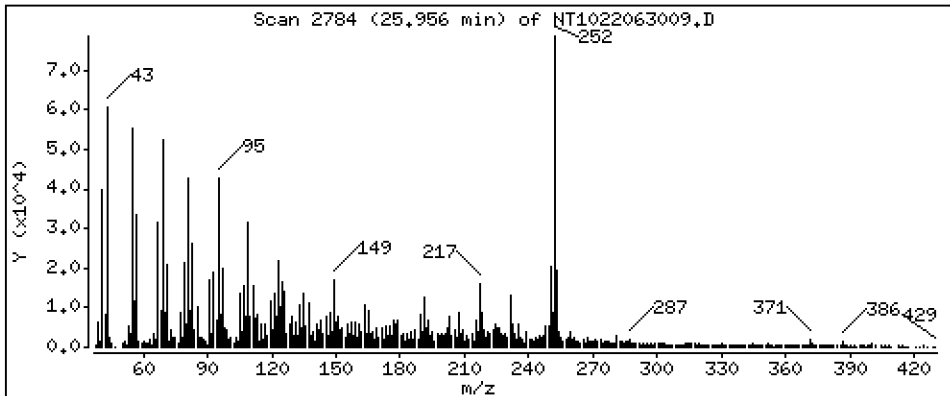
Operator: VTS

Column phase: ZB-5msi

Column diameter: 0,25

76 Benzo(a)pyrene

Concentration: 4,088 ug/mL



Date : 30-JUN-2022 18:44

Client ID:

Instrument: nt10.i

Sample Info: BKF0469-MS1

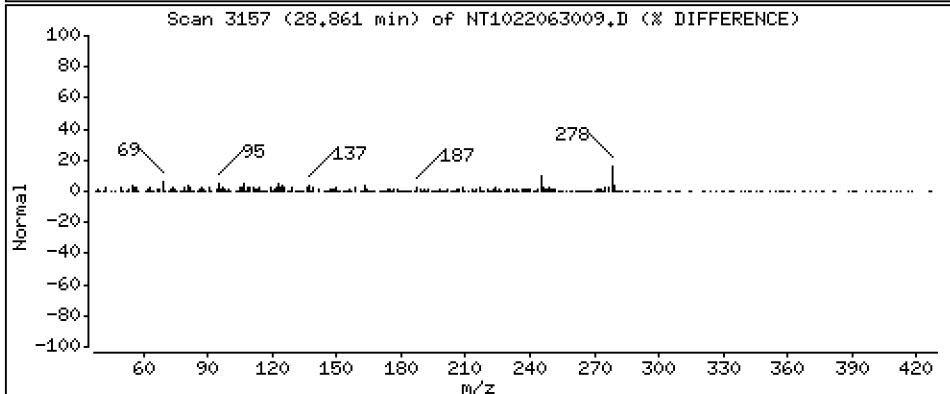
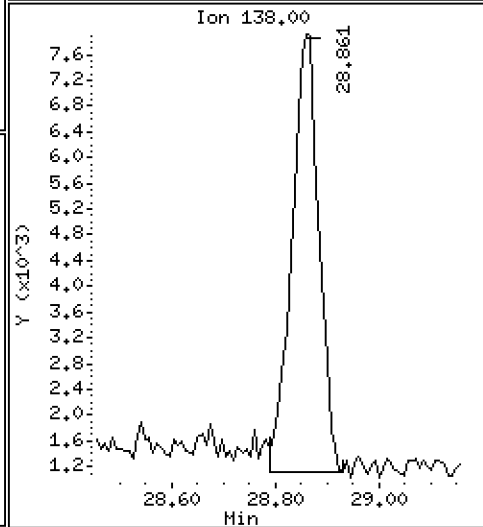
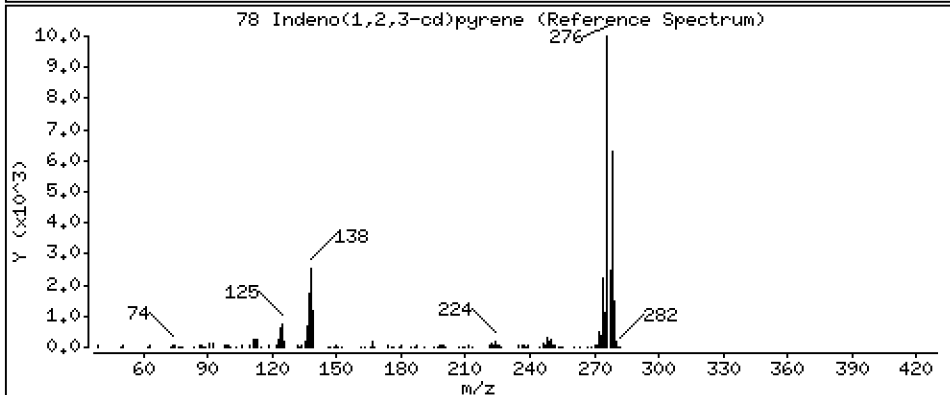
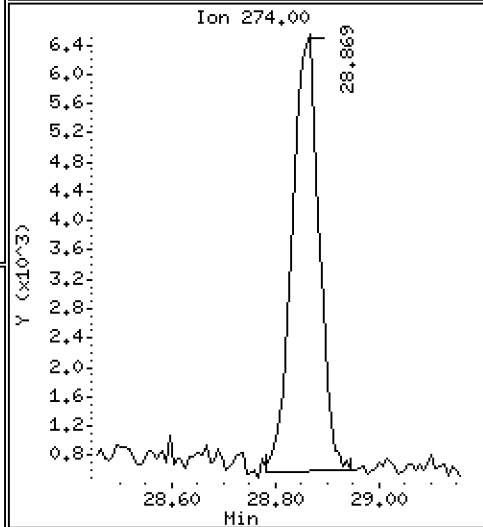
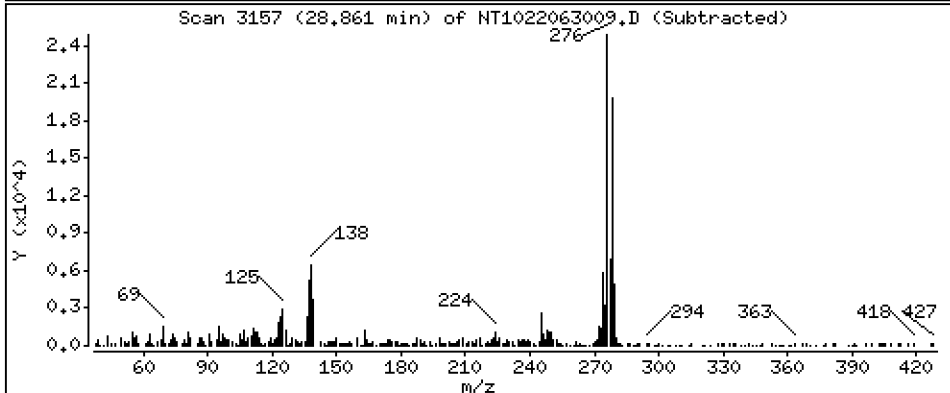
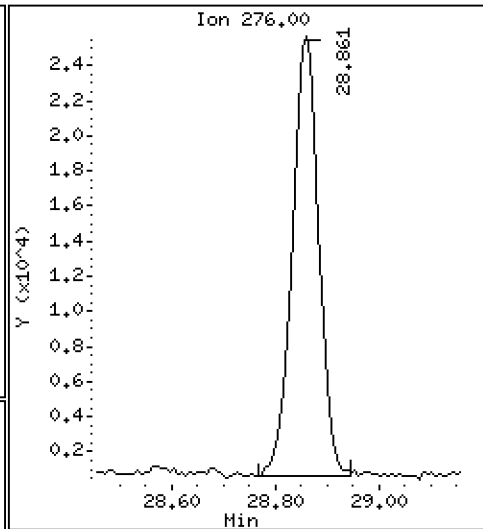
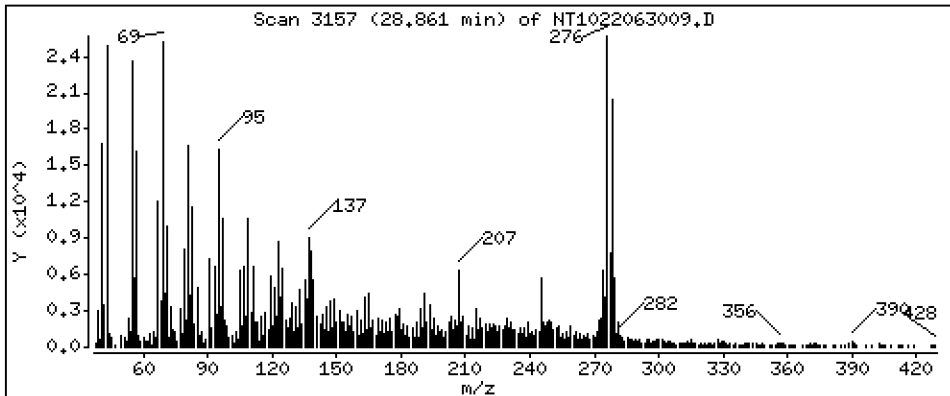
Operator: VTS

Column phase: ZB-5msi

Column diameter: 0,25

78 Indeno(1,2,3-cd)pyrene

Concentration: 2,040 ug/mL



Date : 30-JUN-2022 18:44

Client ID:

Instrument: nt10.i

Sample Info: BKF0469-MS1

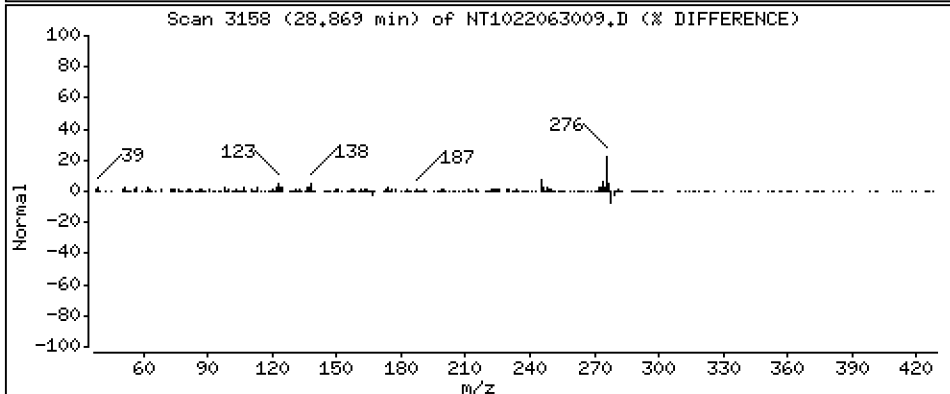
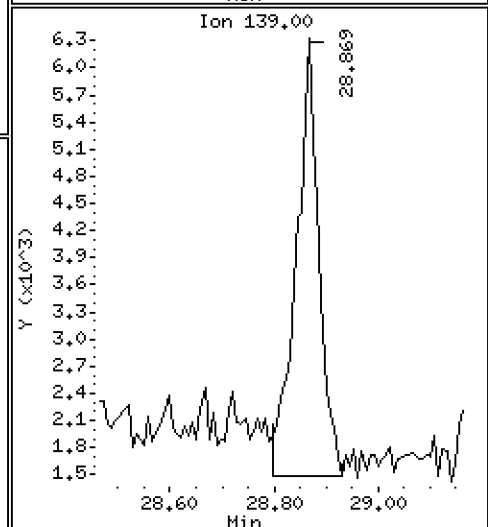
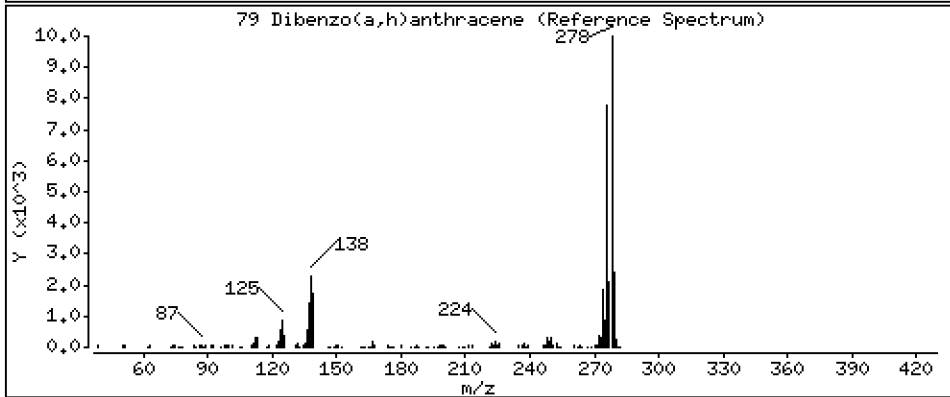
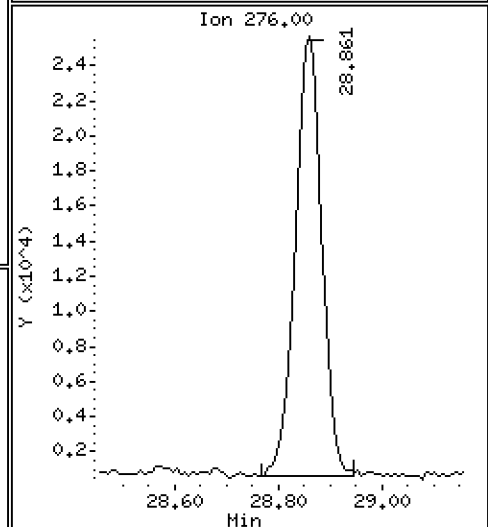
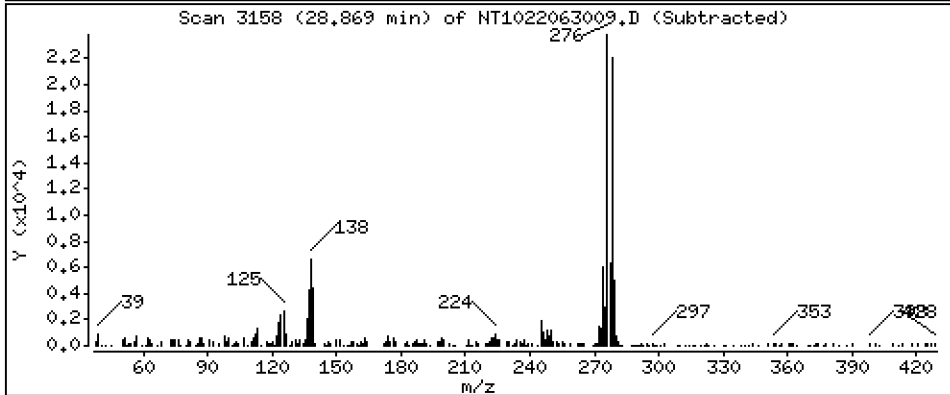
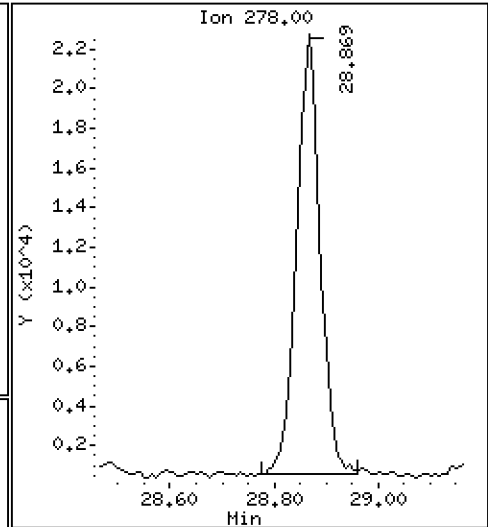
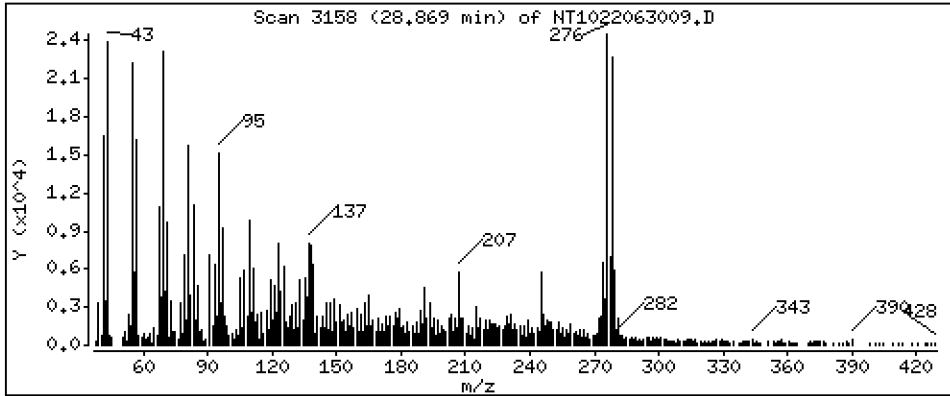
Operator: VTS

Column phase: ZB-5msi

Column diameter: 0,25

79 Dibenzo(a,h)anthracene

Concentration: 2,127 ug/mL



Date : 30-JUN-2022 18:44

Client ID:

Instrument: nt10.i

Sample Info: BKF0469-MS1

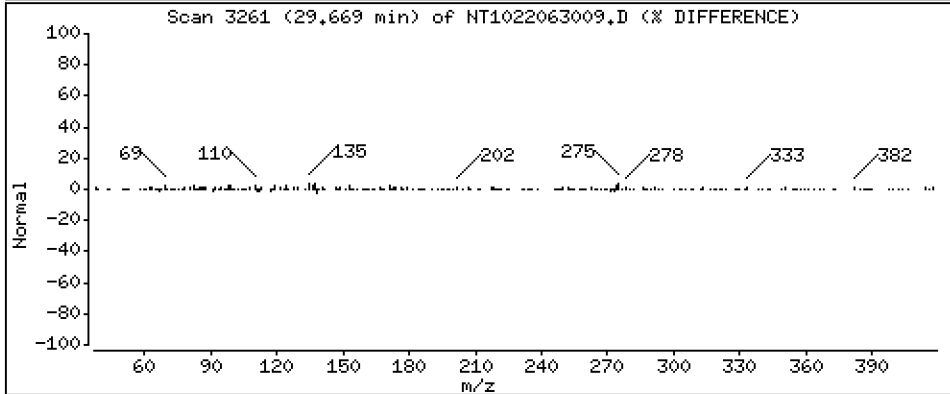
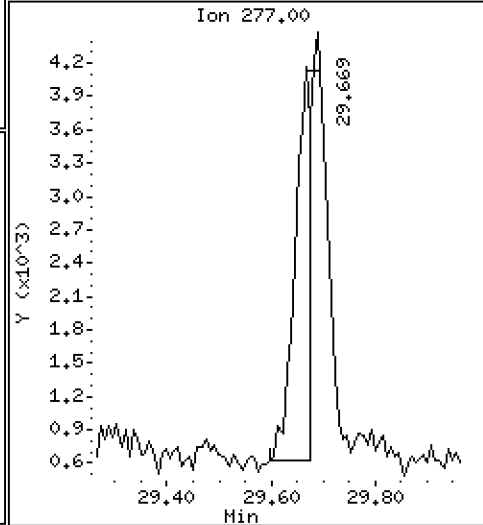
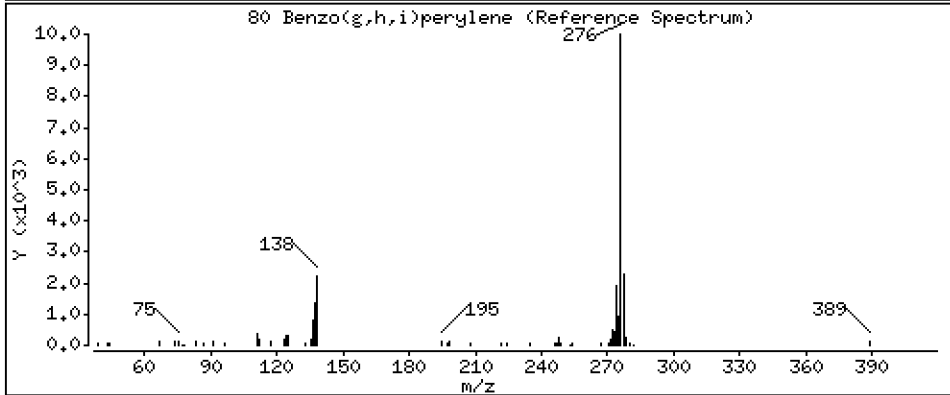
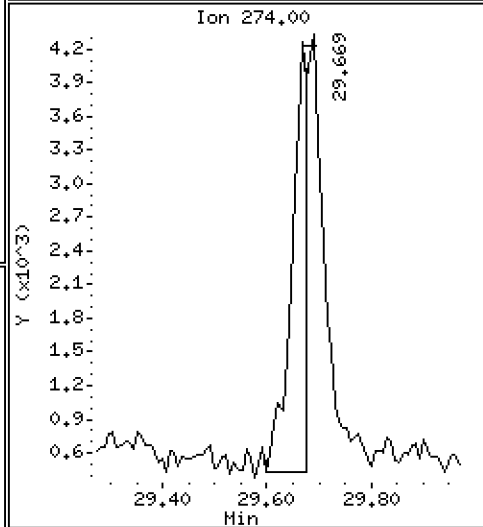
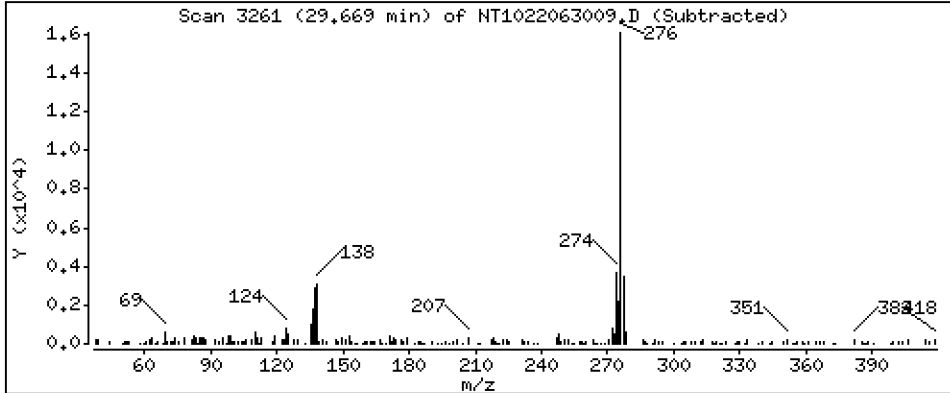
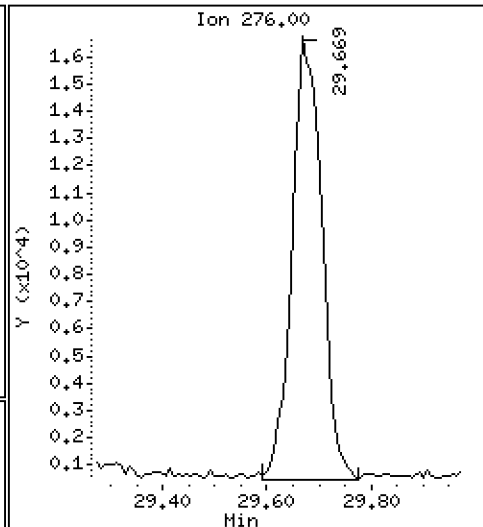
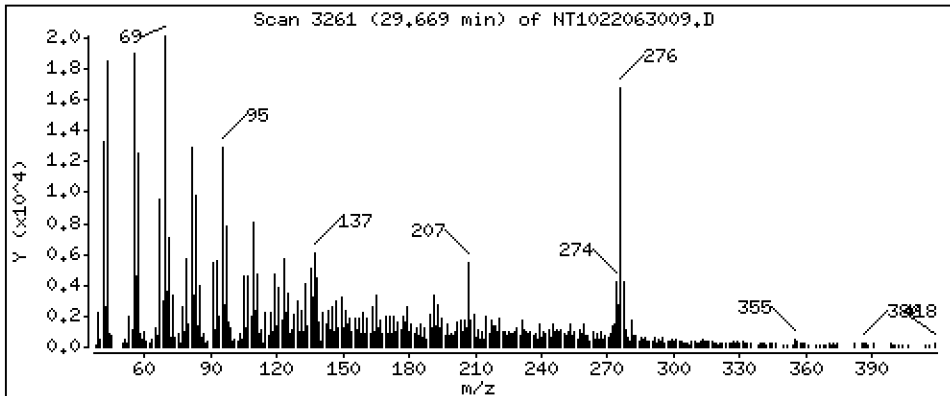
Operator: VTS

Column phase: ZB-5msi

Column diameter: 0,25

80 Benzo(g,h,i)perylene

Concentration: 1,862 ug/mL



Date : 30-JUN-2022 18:44

Client ID:

Instrument: nt10.i

Sample Info: BKF0469-MS1

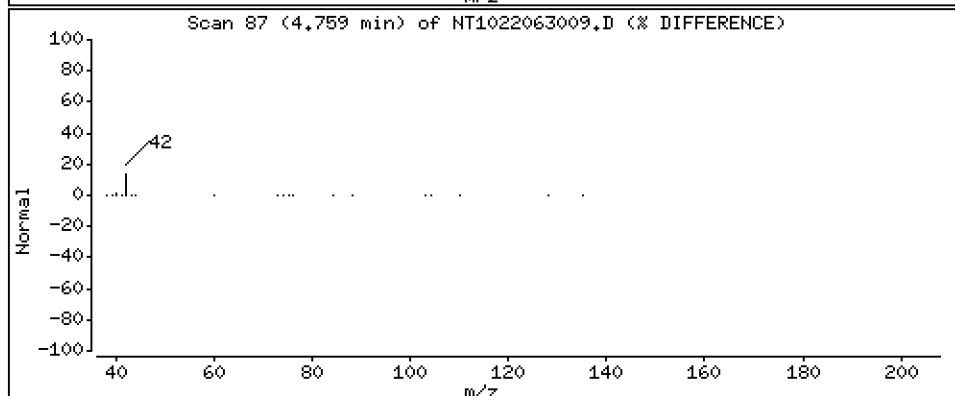
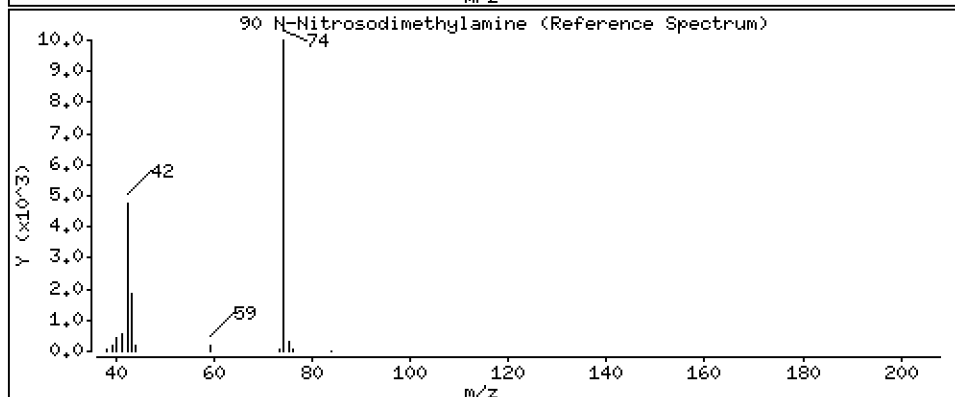
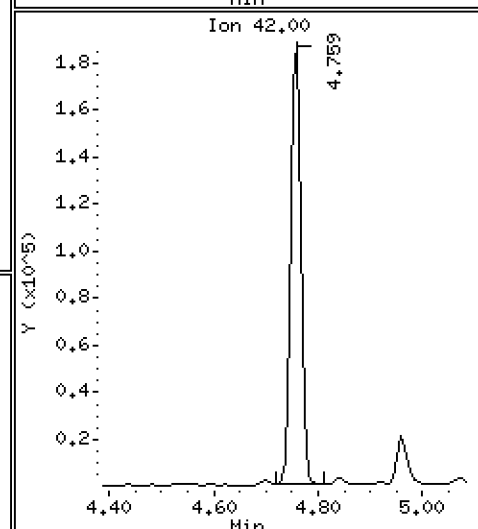
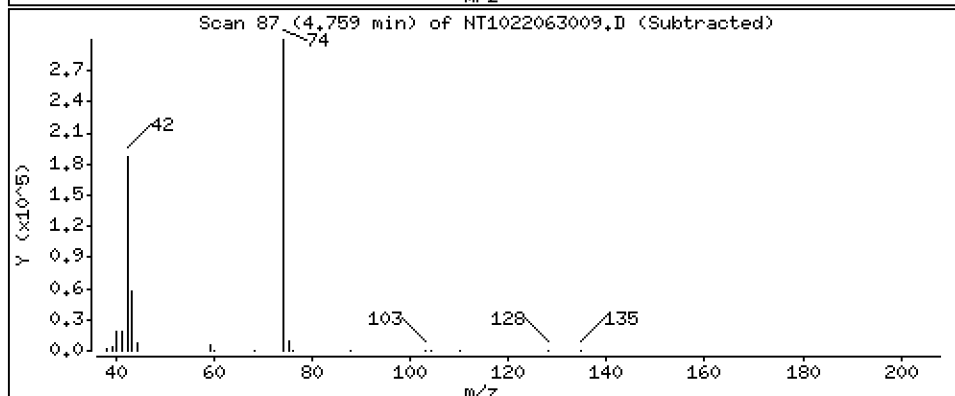
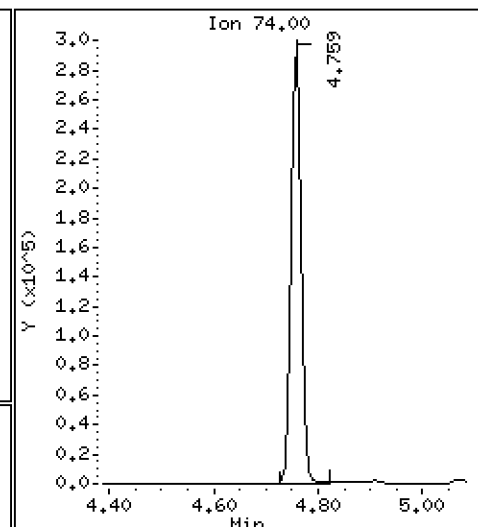
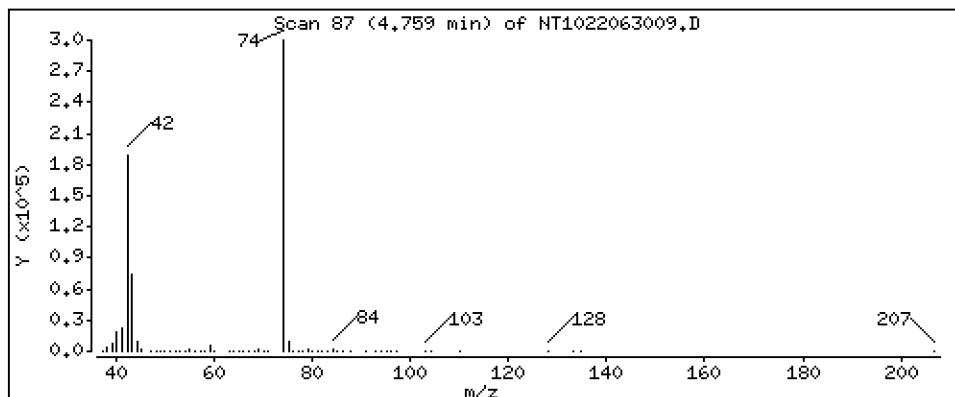
Operator: VTS

Column phase: ZB-5msi

Column diameter: 0,25

90 N-Nitrosodimethylamine

Concentration: 7,910 ug/mL



Date : 30-JUN-2022 18:44

Client ID:

Instrument: nt10.i

Sample Info: BKF0469-MS1

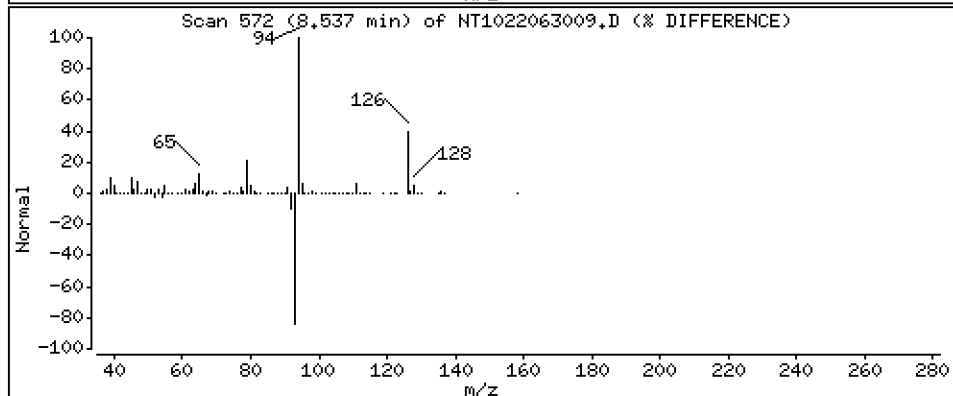
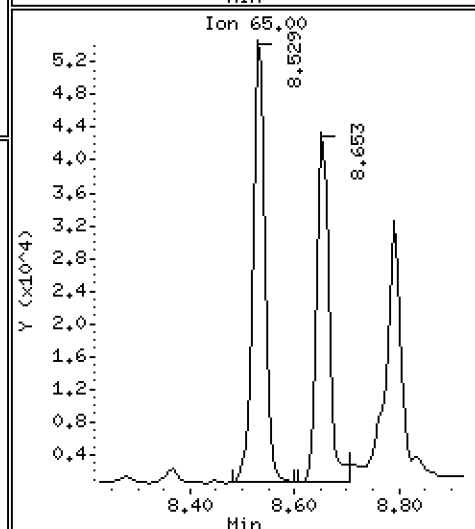
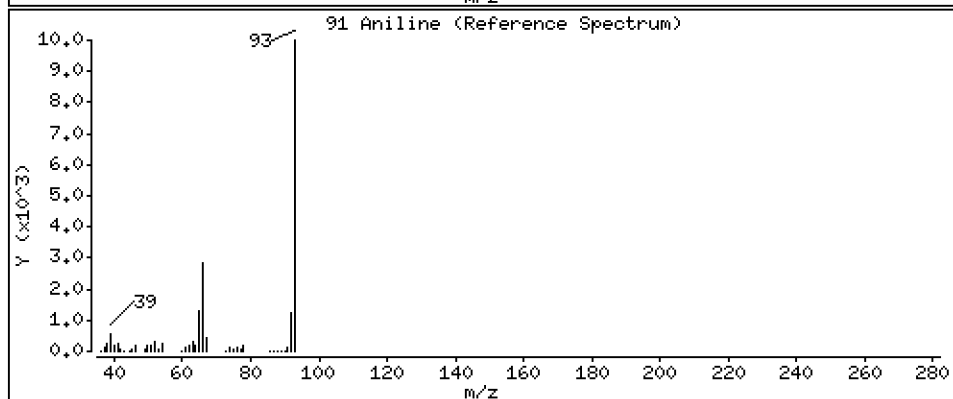
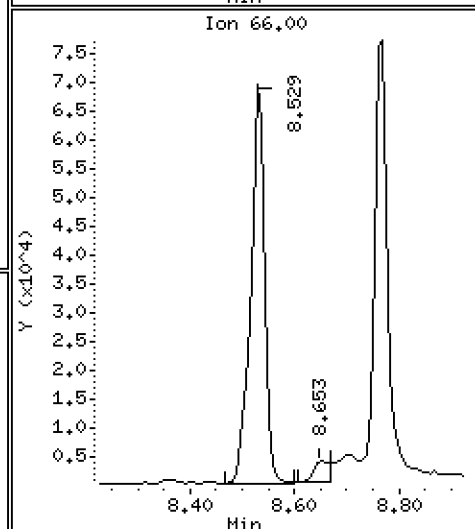
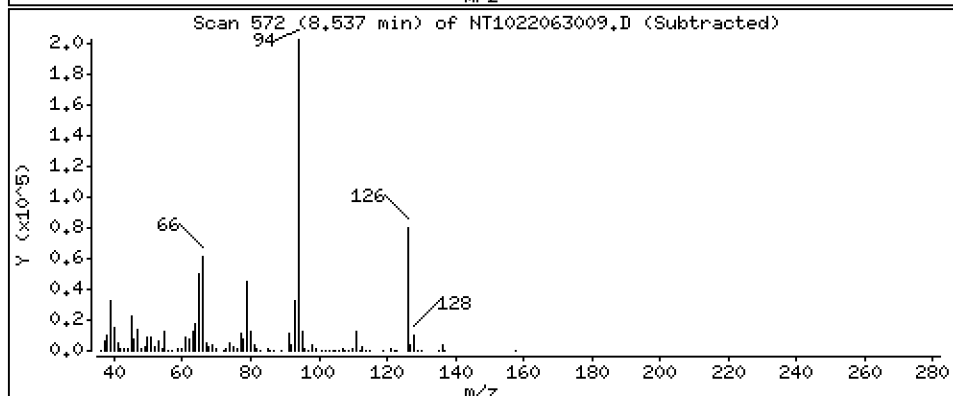
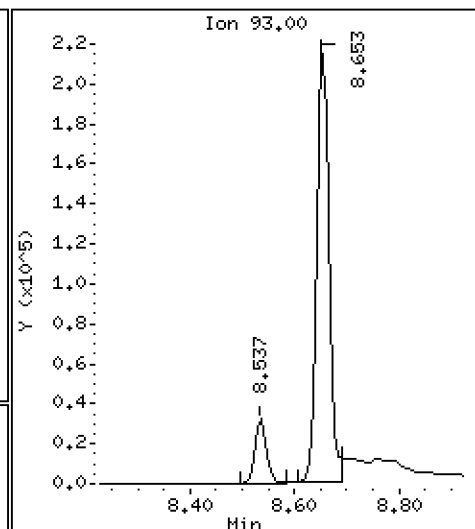
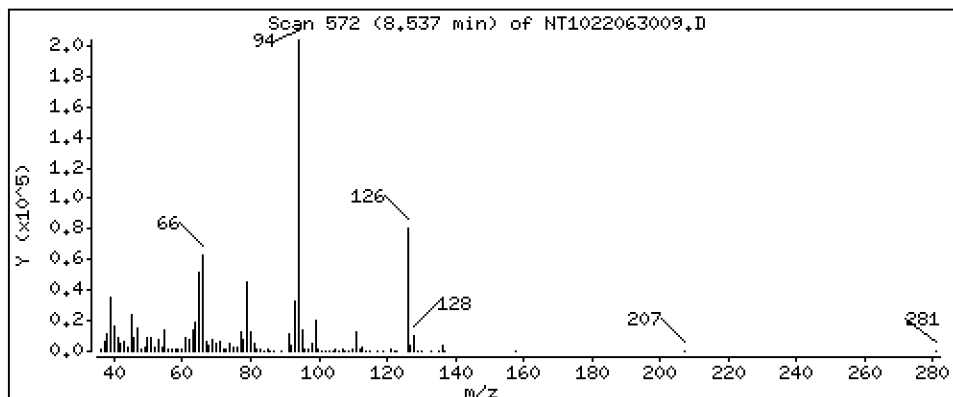
Operator: VTS

Column phase: ZB-5msi

Column diameter: 0,25

91 Aniline

Concentration: 0,4900 ug/mL



Date : 30-JUN-2022 18:44

Client ID:

Instrument: nt10.i

Sample Info: BKF0469-MS1

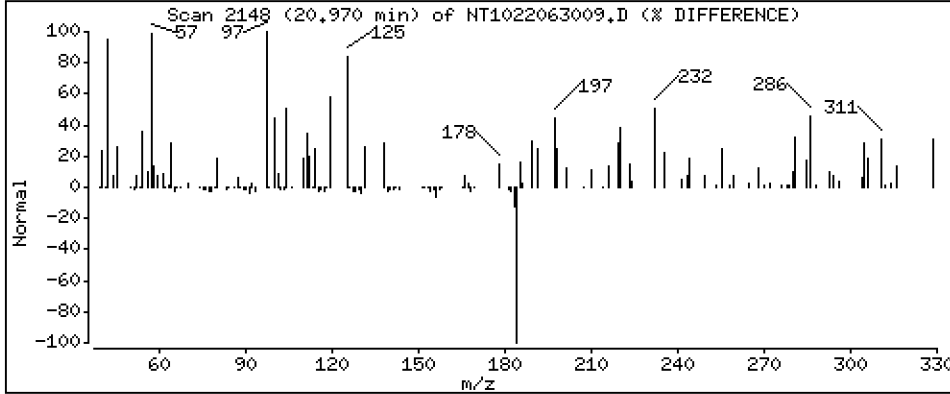
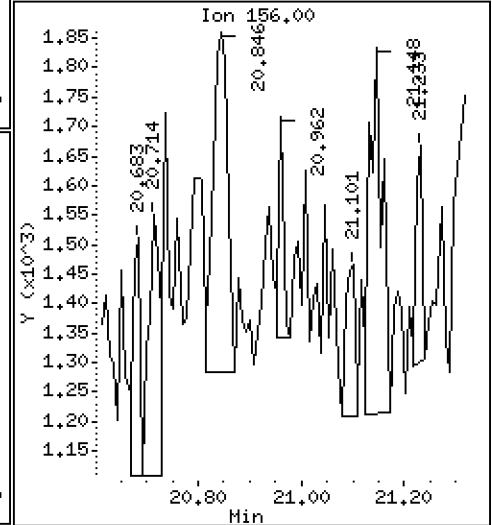
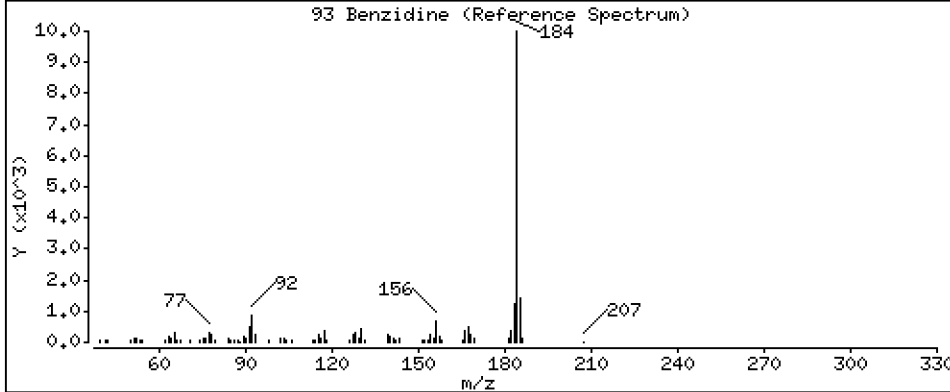
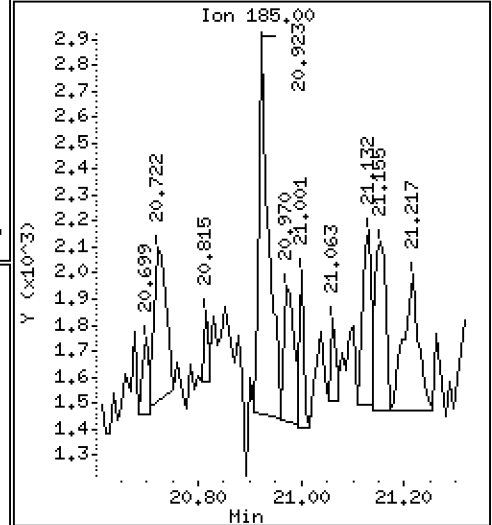
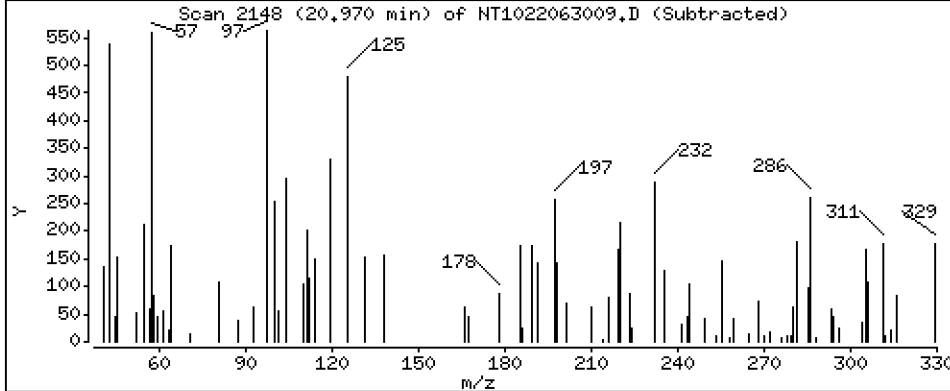
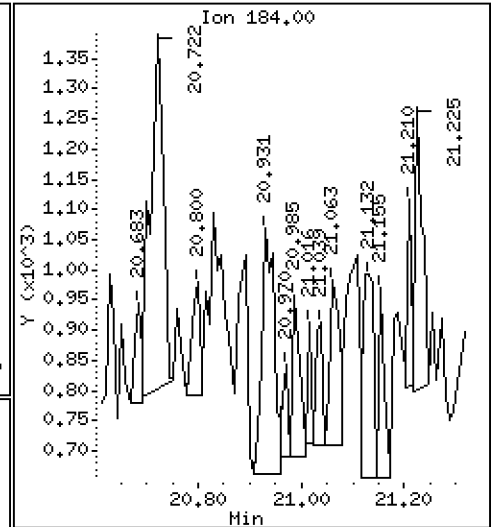
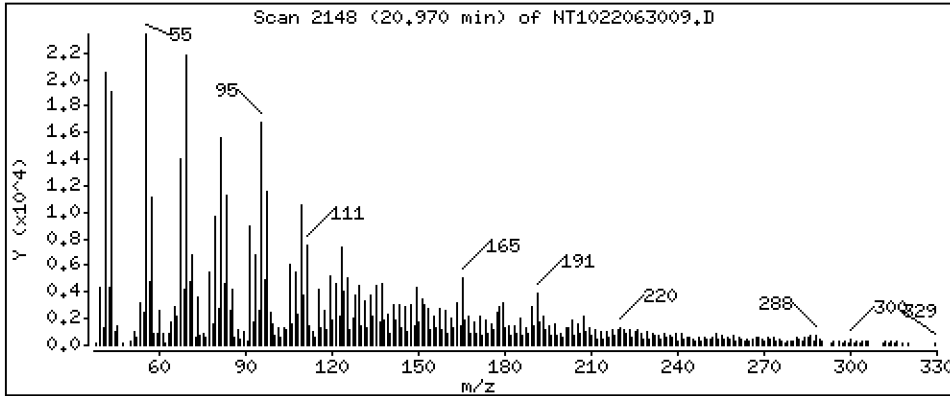
Operator: VTS

Column phase: ZB-5msi

Column diameter: 0.25

Concentration: 0.005217 ug/mL

93 Benzidine



Date : 30-JUN-2022 18:44

Client ID:

Instrument: nt10.i

Sample Info: BKF0469-MS1

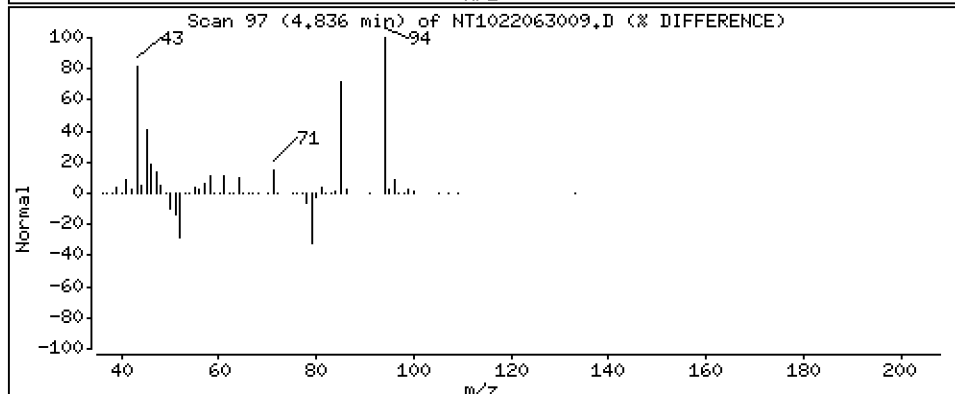
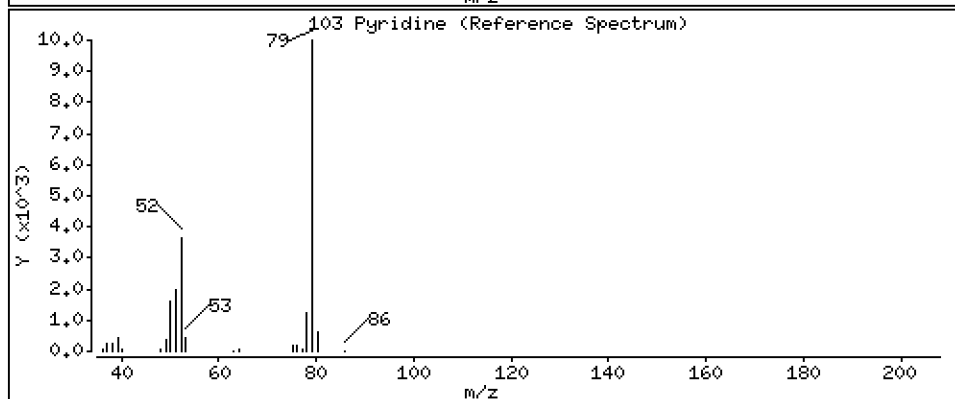
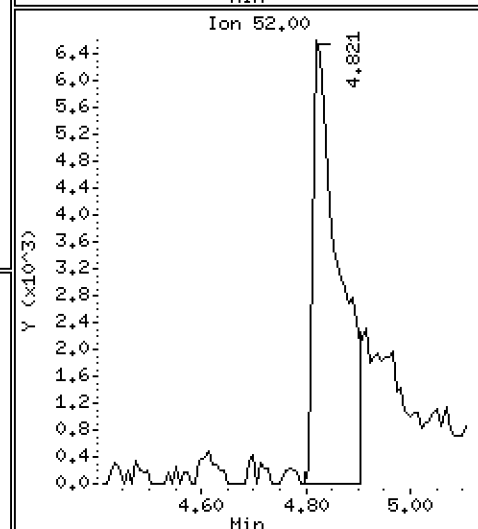
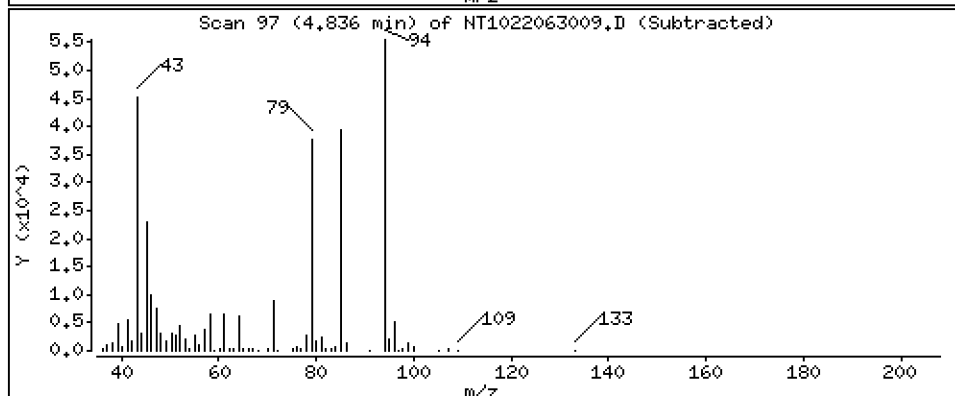
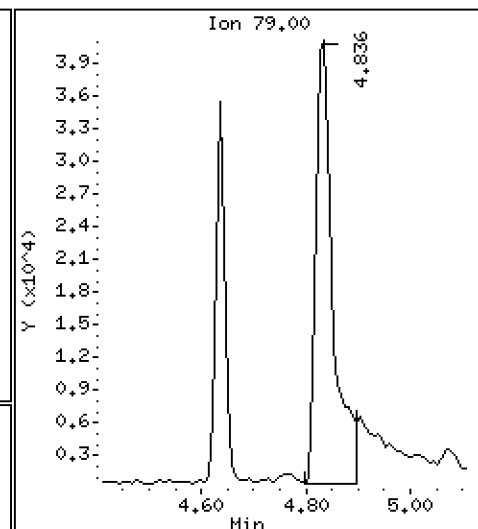
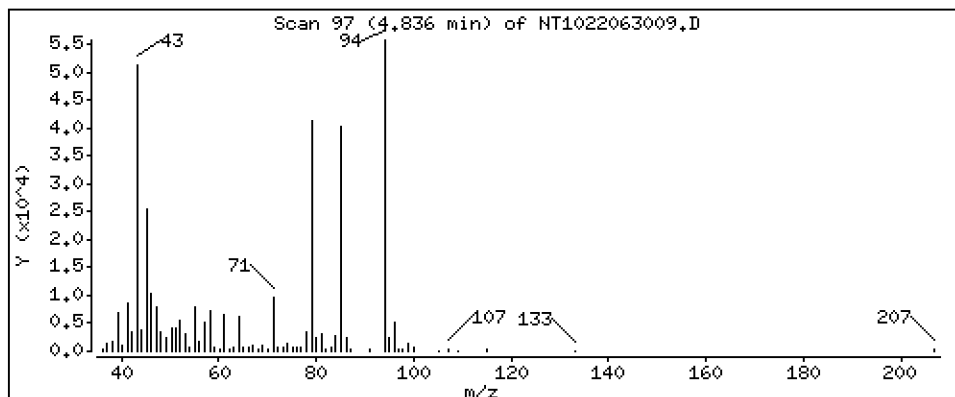
Operator: VTS

Column phase: ZB-5msi

Column diameter: 0,25

103 Pyridine

Concentration: 0,6177 ug/mL



Date : 30-JUN-2022 18:44

Client ID:

Instrument: nt10.i

Sample Info: BKF0469-MS1

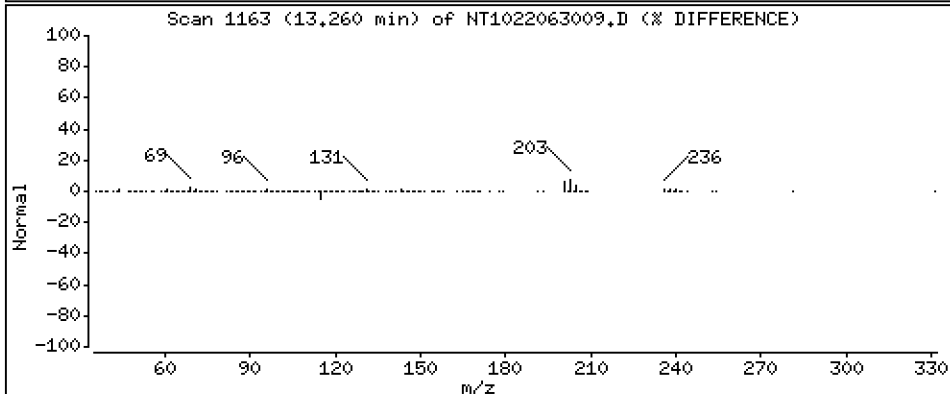
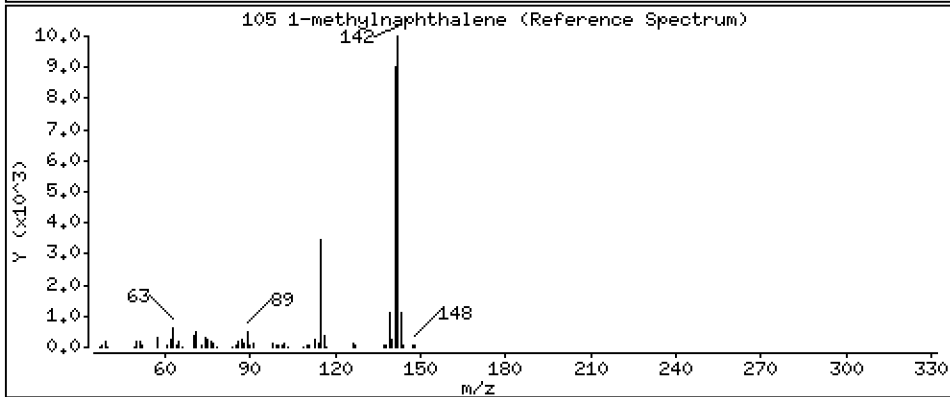
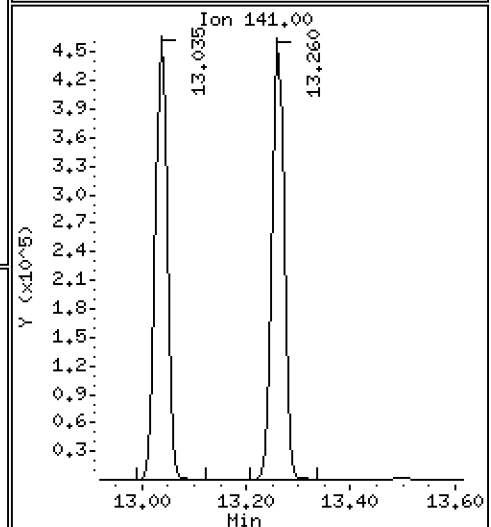
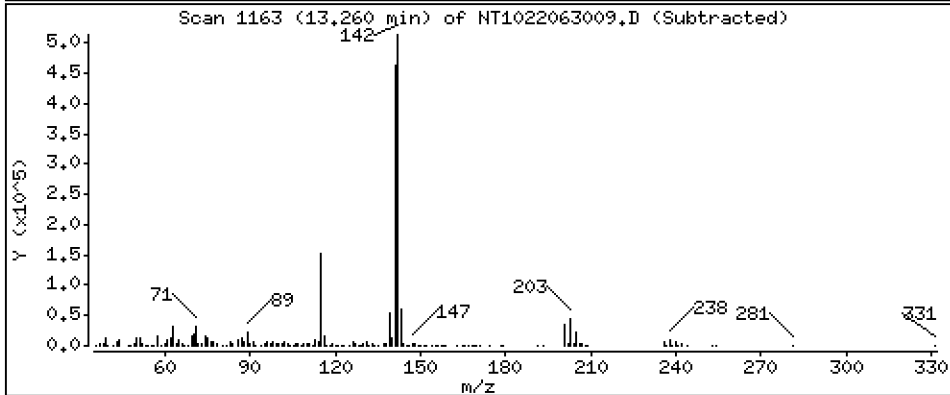
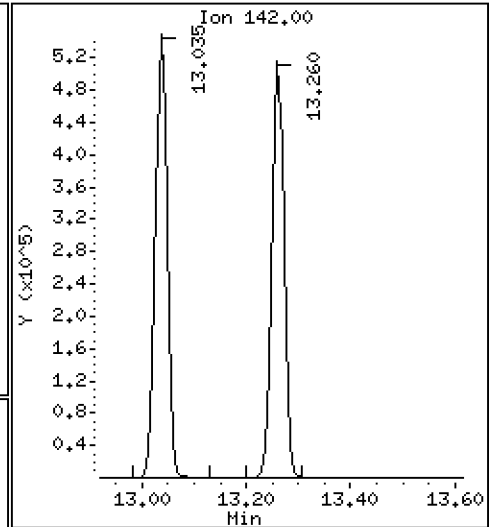
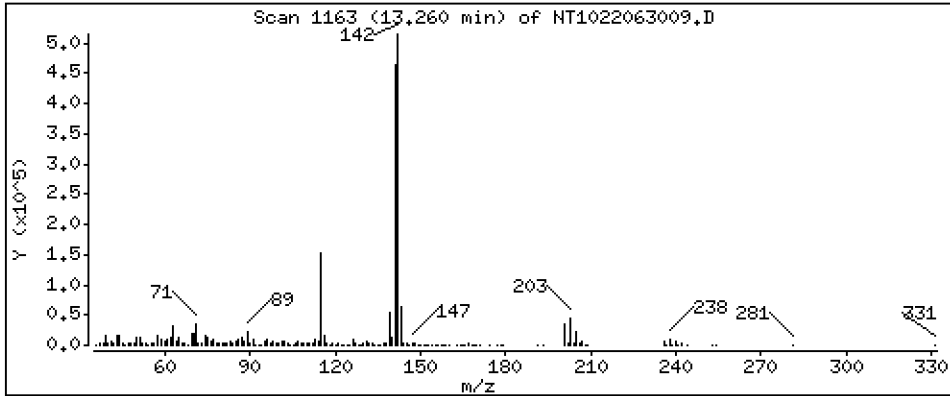
Operator: VTS

Column phase: ZB-5msi

Column diameter: 0,25

105 1-methylnaphthalene

Concentration: 4,133 ug/mL



Date : 30-JUN-2022 18:44

Client ID:

Instrument: nt10.i

Sample Info: BKF0469-MS1

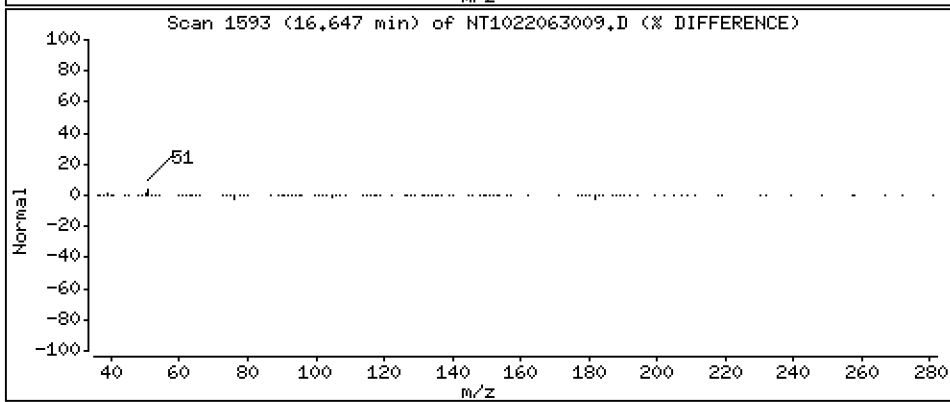
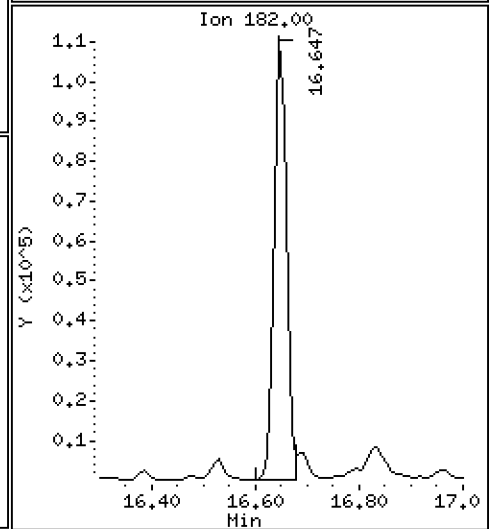
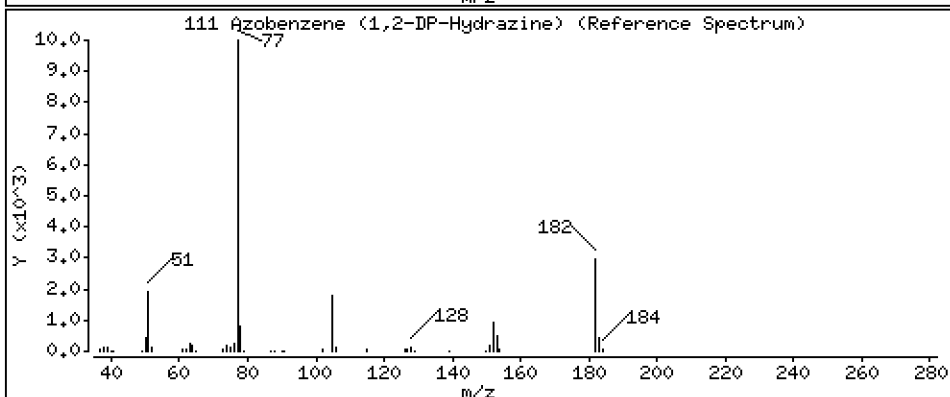
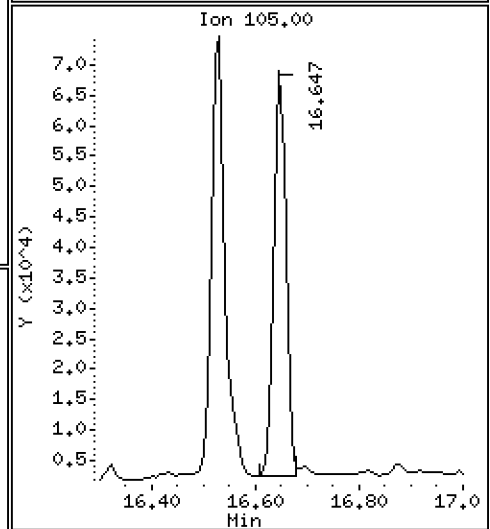
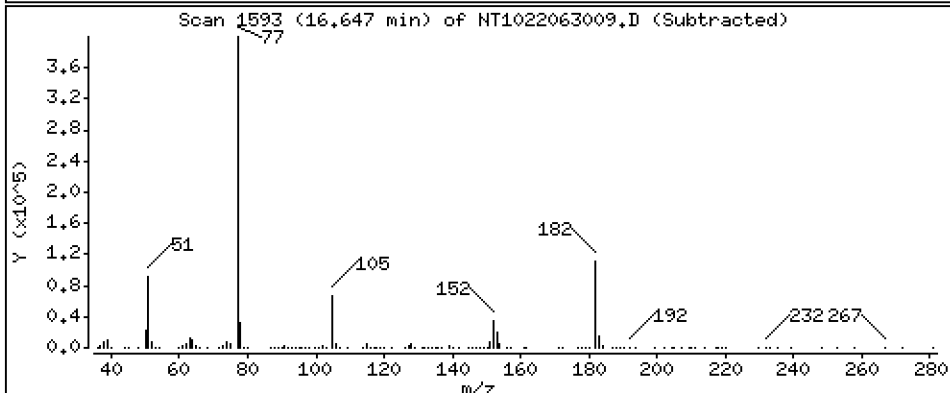
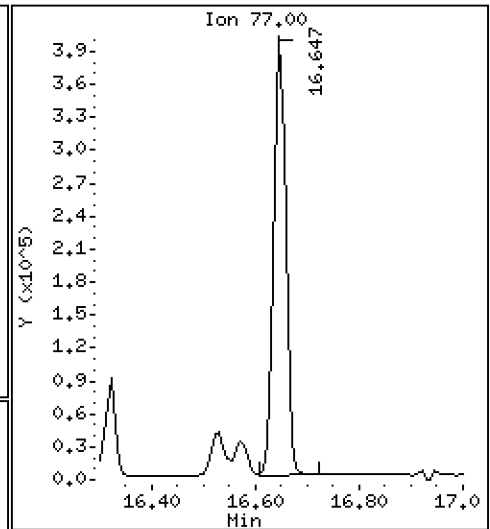
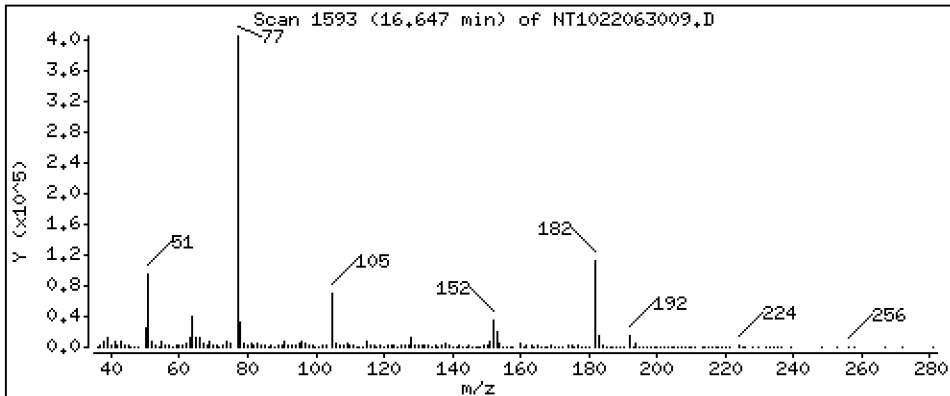
Operator: VTS

Column phase: ZB-5msi

Column diameter: 0,25

111 Azobenzene (1,2-DP-Hydrazine)

Concentration: 3,747 ug/mL



Date : 30-JUN-2022 18:44

Client ID:

Instrument: nt10.i

Sample Info: BKF0469-MS1

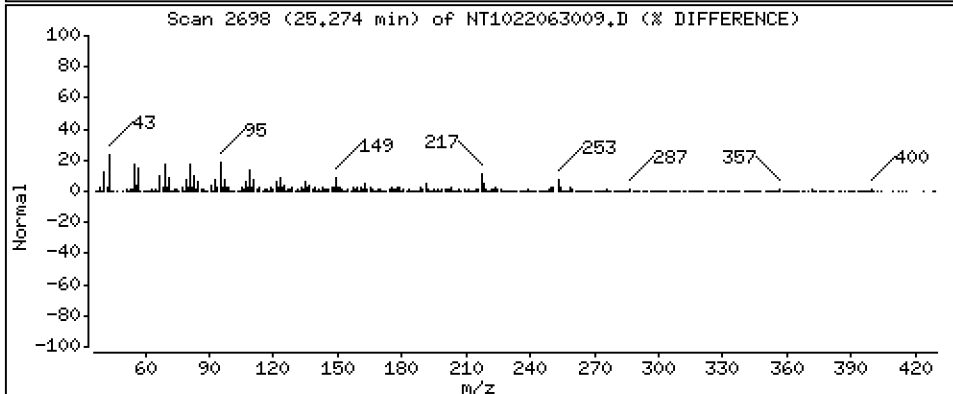
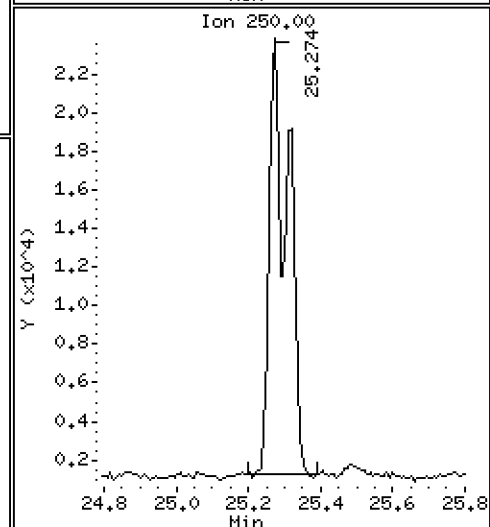
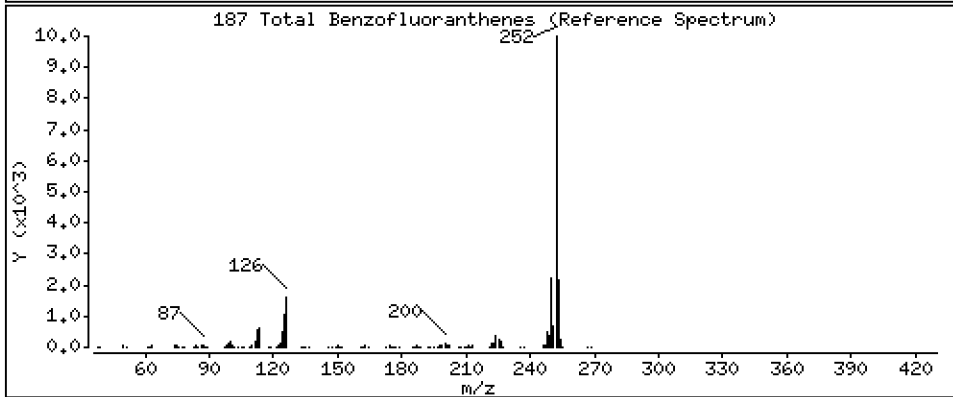
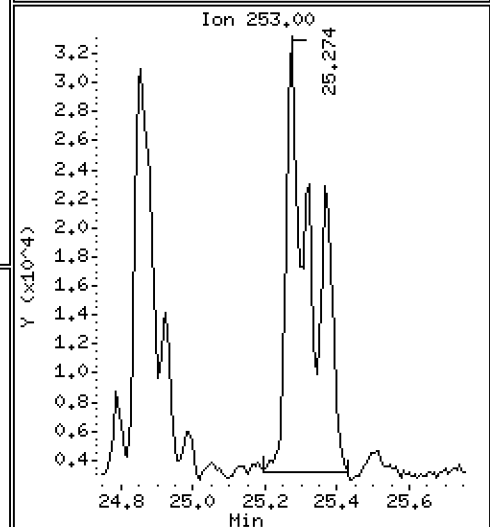
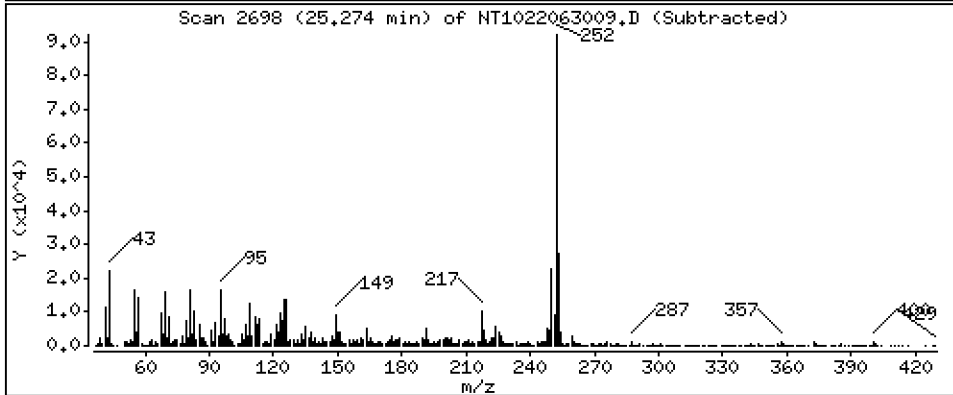
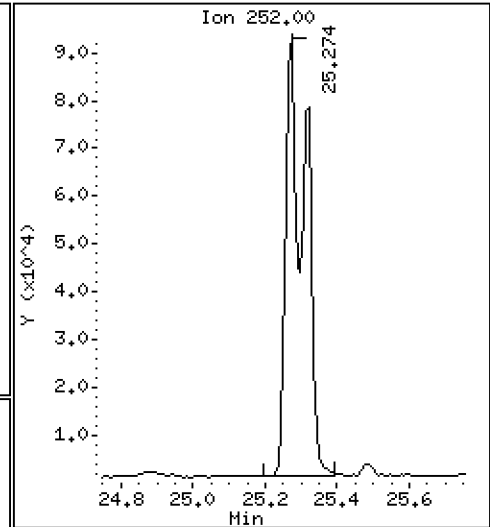
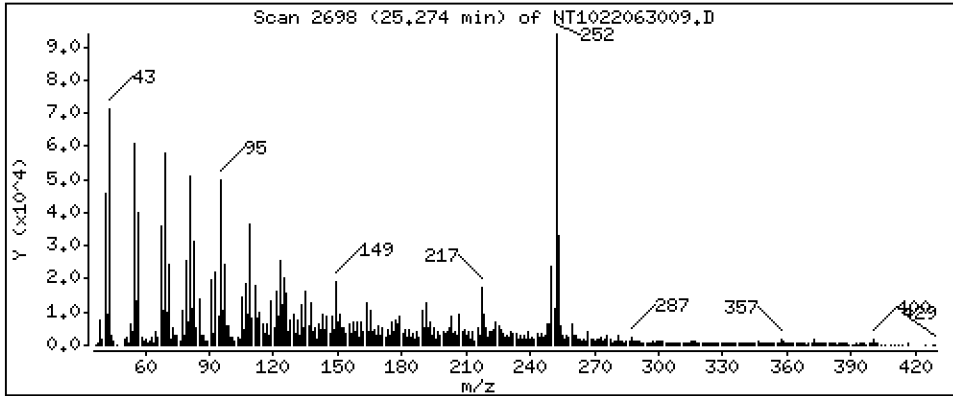
Operator: VTS

Column phase: ZB-5msi

Column diameter: 0,25

187 Total Benzofluoranthenes

Concentration: 7,178 ug/mL



Date : 30-JUN-2022 18:44

Client ID:

Instrument: nt10.i

Sample Info: BKF0469-MS1

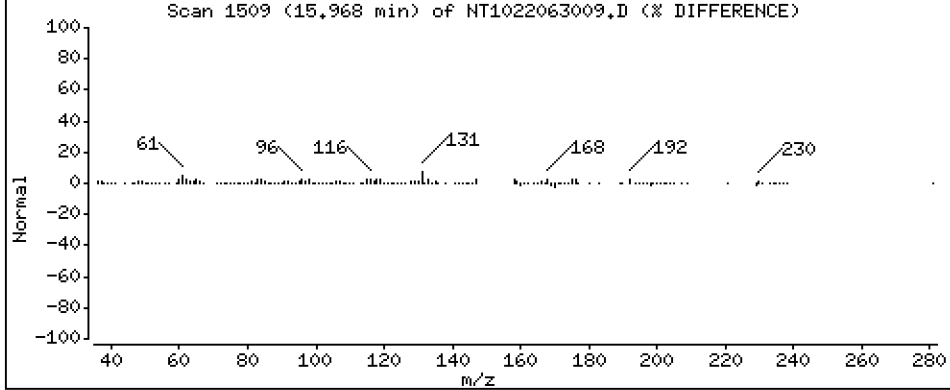
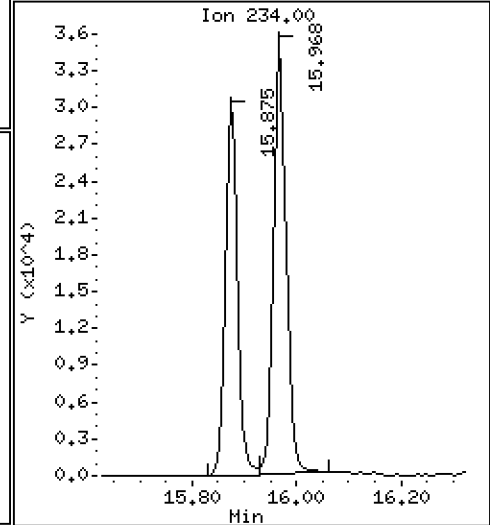
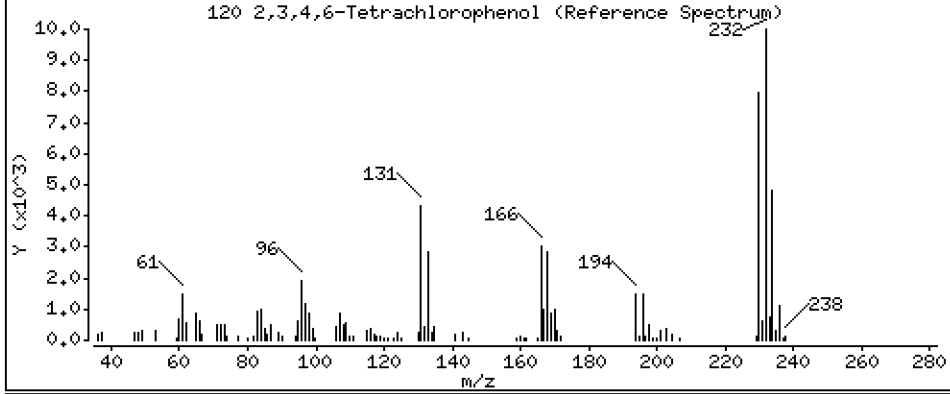
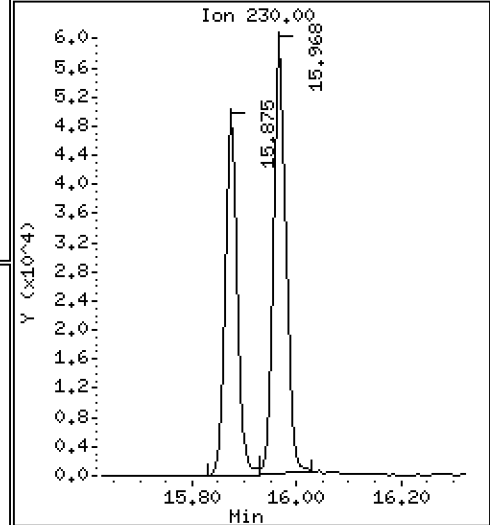
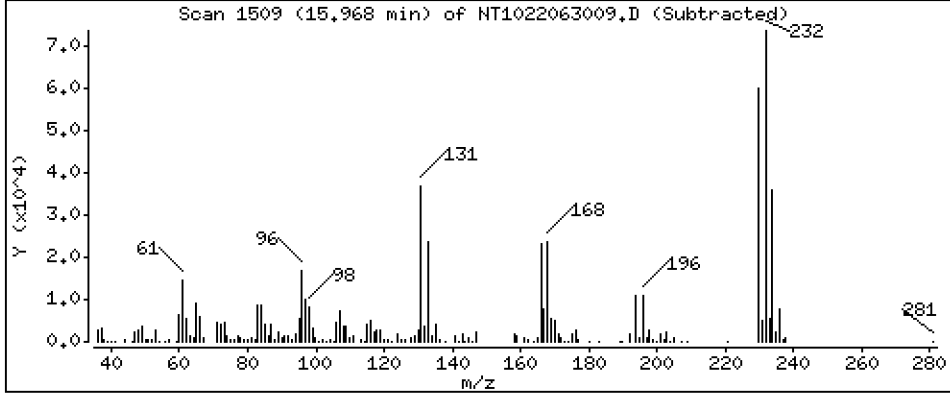
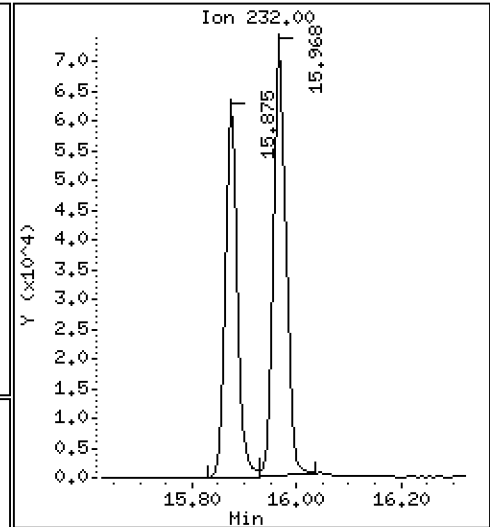
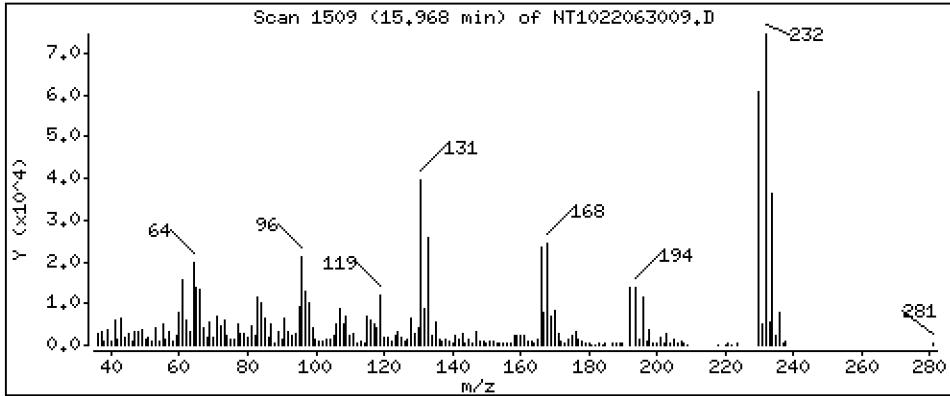
Operator: VTS

Column phase: ZB-5msi

Column diameter: 0,25

120 2,3,4,6-Tetrachlorophenol

Concentration: 3,357 ug/mL



ARI Labs, Inc.

Semivolatile Report SW846 Method 8270D

Data file : \\target\share\chem3\nt10.i\20220630.b\NT1022063009.D
 Lab Smp Id: BKF0469-MS1
 Inj Date : 30-JUN-2022 18:44
 Operator : VTS
 Smp Info : BKF0469-MS1
 Misc Info :
 Comment : 1ul Injection
 Method : \\target\share\chem3\nt10.i\20220630.b\ABN.m
 Meth Date : 01-Jul-2022 17:13 yev
 Cal Date : 23-JUN-2022 13:07
 Als bottle: 8
 Dil Factor: 1.00000
 Integrator: HP RTE
 Target Version: 4.14
 Processing Host: ORGDATA102

Inst ID: nt10.i

Quant Type: ISTD
 Cal File: NT1022062308.D

Compound Sublist: ICAL.sub

Compounds	QUANT	SIG	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS	
							ON-COLUMN	FINAL
	MASS						(ug/mL)	(ug/mL)
\$ 1 2-Fluorophenol	112		6.929	6.922	(0.760)	400489	5.01032	5.010
\$ 2 Phenol-d5	99		8.513	8.513	(0.934)	635180	5.35551	5.356
3 Phenol	94		8.529	8.529	(0.936)	335017	3.24162	3.242
\$ 5 2-Chlorophenol-d4	132		8.768	8.768	(0.962)	516826	6.34557	6.346
4 Bis(2-Chloroethyl)ether	93		8.652	8.660	(0.949)	332295	4.46761	4.468
6 2-Chlorophenol	128		8.791	8.791	(0.964)	301107	3.65452	3.655
7 1,3-Dichlorobenzene	146		9.047	9.055	(0.992)	310990	3.48973	3.490
* 8 1,4-Dichlorobenzene-d4	152		9.116	9.117	(1.000)	218902	4.00000	
9 1,4-Dichlorobenzene	146		9.140	9.148	(1.003)	258417	3.67874	3.679
\$ 10 1,2-Dichlorobenzene-d4	152		9.473	9.474	(1.039)	207164	4.12779	4.128
12 1,2-Dichlorobenzene	146		9.497	9.505	(1.042)	278950	3.74067	3.741
11 Benzyl alcohol	108		9.388	9.396	(1.030)	172668	4.19404	4.194
14 2,2'-oxybis(1-Chloropropane)	121		9.683	9.683	(1.062)	95269	5.40210	5.402
13 2-Methylphenol	108		9.629	9.637	(1.056)	219710	3.44802	3.448
17 Hexachloroethane	117		10.087	10.087	(1.106)	121870	3.89192	3.892
16 N-Nitroso-di-n-propylamine	70		9.931	9.939	(1.089)	172208	3.88593	3.886
15 4-Methylphenol	108		9.908	9.901	(1.087)	249561	3.66475	3.665
\$ 18 Nitrobenzene-d5	82		10.203	10.211	(0.880)	349141	4.36694	4.367
19 Nitrobenzene	77		10.234	10.242	(0.883)	313189	3.88656	3.887
20 Isophorone	82		10.684	10.692	(0.921)	731261	6.27304	6.273
21 2-Nitrophenol	139		10.868	10.876	(0.937)	198355	3.89707	3.897
22 2,4-Dimethylphenol	107		10.936	10.944	(0.943)	568132	9.18843	9.188
23 Bis(2-Chloroethoxy)methane	93		11.114	11.123	(0.958)	305979	4.36886	4.369
24 Benzoic acid	105		11.105	11.123	(0.958)	138265	4.30945	4.309
25 2,4-Dichlorophenol	162		11.343	11.352	(0.978)	876931	13.9548	13.95
26 1,2,4-Trichlorobenzene	180		11.511	11.519	(0.993)	237898	3.52691	3.527
* 27 Naphthalene-d8	136		11.596	11.604	(1.000)	751375	4.00000	
28 Naphthalene	128		11.635	11.643	(1.003)	905317	4.70783	4.708
29 4-Chloroaniline	127		11.835	11.774	(1.021)	195828	2.30629	2.306
30 Hexachlorobutadiene	225		11.990	11.998	(1.034)	124751	3.87681	3.877
31 4-Chloro-3-methylphenol	107		12.764	12.764	(1.101)	952785	12.4541	12.45
32 2-Methylnaphthalene	142		13.035	13.043	(1.124)	821082	4.29618	4.296
33 Hexachlorocyclopentadiene	237		13.499	13.507	(0.887)	28303	1.21887	1.219

Compounds	QUANT SIG					CONCENTRATIONS	
	MASS	RT	EXP RT	REL RT	RESPONSE	ON-COLUMN (ug/mL)	FINAL (ug/mL)
34 2,4,6-Trichlorophenol	196	13.669	13.677	(0.898)	721448	15.6803	15.68
35 2,4,5-Trichlorophenol	196	13.762	13.770	(0.904)	717318	13.1396	13.14
§ 36 2-Fluorobiphenyl	172	13.816	13.824	(0.908)	836643	4.56691	4.567
37 2-Chloronaphthalene	162	14.033	14.041	(0.922)	664462	4.11438	4.114
38 2-Nitroaniline	65	14.296	14.304	(0.939)	571227	13.2231	13.22
39 Dimethylphthalate	163	14.722	14.730	(0.967)	539390	3.79938	3.799
40 Acenaphthylene	152	14.908	14.916	(0.980)	828708	3.50191	3.502
41 2,6-Dinitrotoluene	165	14.869	14.869	(0.977)	439364	13.3254	13.33
* 42 Acenaphthene-d10	164	15.217	15.225	(1.000)	404830	4.00000	
43 3-Nitroaniline	138	15.163	15.163	(0.996)	159630	4.11258	4.113
44 Acenaphthene	153	15.287	15.295	(1.005)	470009	3.99208	3.992
45 2,4-Dinitrophenol	184	15.372	15.387	(1.010)	39369	2.67926	2.679
46 Dibenzofuran	168	15.619	15.619	(1.026)	807386	4.31505	4.315
47 4-Nitrophenol	109	15.550	15.550	(1.022)	125806	9.72259	9.723
48 2,4-Dinitrotoluene	165	15.681	15.689	(1.030)	617498	14.0122	14.01
50 Diethylphthalate	149	16.184	16.191	(1.063)	586010	4.81185	4.812
49 Fluorene	166	16.331	16.338	(1.073)	760074	3.39964	3.400
51 4-Chlorophenyl-phenylether	204	16.323	16.331	(1.073)	236807	2.41192	2.412
52 4-Nitroaniline	138	16.438	16.439	(1.080)	189625	4.87762	4.878
53 4,6-Dinitro-2-methylphenol	198	16.531	16.539	(0.904)	280248	12.1829	12.18
54 N-Nitrosodiphenylamine	169	16.577	16.577	(0.907)	416120	4.49907	4.499
§ 55 2,4,6-Tribromophenol	330	16.878	16.878	(1.109)	119438	6.48418	6.484
56 4-Bromophenyl-phenylether	248	17.333	17.333	(0.948)	183103	4.27286	4.273
57 Hexachlorobenzene	284	17.650	17.658	(0.966)	158419	4.00402	4.004
58 Pentachlorophenol	266	18.021	18.029	(0.986)	167956	17.4807	17.48
* 59 Phenanthrene-d10	188	18.277	18.277	(1.000)	588206	4.00000	
60 Phenanthrene	178	18.323	18.331	(1.003)	790917	5.11811	5.118
61 Anthracene	178	18.416	18.424	(1.008)	674506	4.09587	4.096
62 Carbazole	167	18.756	18.757	(1.026)	641559	4.22285	4.223
63 Di-n-butylphthalate	149	19.553	19.554	(1.070)	789947	3.39074	3.391
64 Fluoranthene	202	20.737	20.722	(0.888)	497462	5.17816	5.178
65 Pyrene	202	21.155	21.147	(0.906)	418407	4.96624	4.966
§ 66 Terphenyl-d14	244	21.434	21.434	(0.917)	182648	3.98807	3.988
67 Butylbenzylphthalate	149	22.363	22.363	(0.957)	124319	4.68906	4.689
68 Benzo(a)anthracene	228	23.331	23.331	(0.999)	202473	3.64083	3.641
* 69 Chrysene-d12	240	23.362	23.354	(1.000)	131239	4.00000	
70 3,3'-Dichlorobenzidine	252	23.300	23.284	(0.997)	2395	0.13216	0.1322
71 Chrysene	228	23.408	23.400	(1.002)	200261	5.14649	5.146
72 bis(2-Ethylhexyl)phthalate	149	23.408	23.400	(0.959)	178965	5.26382	5.264
* 134 Di-n-octylphthalate-d4	153	24.414	24.407	(1.000)	307596	4.00000	
73 Di-n-octylphthalate	149	24.422	24.415	(1.000)	305369	4.36781	4.368
74 Benzo(b)fluoranthene	252	25.274	25.251	(0.969)	197004	3.91531	3.915
75 Benzo(k)fluoranthene	252	25.320	25.297	(0.971)	158525	3.27644	3.276
76 Benzo(a)pyrene	252	25.955	25.924	(0.995)	168344	4.08789	4.088
* 77 Perylene-d12	264	26.079	26.041	(1.000)	111102	4.00000	
78 Indeno(1,2,3-cd)pyrene	276	28.861	28.806	(1.107)	89709	2.04025	2.040
79 Dibenzo(a,h)anthracene	278	28.868	28.814	(1.107)	71582	2.12660	2.127
80 Benzo(g,h,i)perylene	276	29.668	29.622	(1.138)	65454	1.86225	1.862
90 N-Nitrosodimethylamine	74	4.759	4.736	(0.522)	413664	7.90964	7.910
91 Aniline	93	8.536	8.575	(0.936)	50646	0.48998	0.4900
93 Benzidine	184	20.969	20.962	(0.898)	101	0.00522	0.005217
103 Pyridine	79	4.836	4.759	(0.530)	91582	0.61774	0.6177
105 1-methylnaphthalene	142	13.259	13.267	(1.143)	775964	4.13260	4.133
111 Azobenzene (1,2-DP-Hydrazine)	77	16.647	16.655	(1.094)	605892	3.74742	3.747

Compounds	QUANT SIG	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS	
						ON-COLUMN (ug/mL)	FINAL (ug/mL)
187 Total Benzofluoranthenes	252	25.274	25.251	(0.969)	336759	7.17816	7.178
120 2,3,4,6-Tetrachlorophenol	232	15.967	15.975	(1.049)	119000	3.35722	3.357

ARI Labs, Inc.

INTERNAL STANDARD COMPOUNDS
 AREA AND RT SUMMARY

Instrument ID: nt10.i Calibration Date: 30-JUN-2022
 Lab File ID: NT1022063009.D Calibration Time: 14:09
 Lab Smp Id: BKF0469-MS1
 Analysis Type: SV Level:
 Quant Type: ISTD Sample Type:
 Operator: VTS
 Method File: \\target\share\chem3\nt10.i\20220630.b\ABN.m
 Misc Info:

Test Mode:
 Use Last Continuing Calibrator.

COMPOUND	STANDARD	AREA LIMIT		SAMPLE	%DIFF
		LOWER	UPPER		
8 1,4-Dichlorobenze	207392	103696	414784	218902	5.55
27 Naphthalene-d8	696938	348469	1393876	751375	7.81
42 Acenaphthene-d10	395441	197721	790882	404830	2.37
59 Phenanthrene-d10	603067	301534	1206134	588206	-2.46
69 Chrysene-d12	148146	74073	296292	131239	-11.41
134 Di-n-octylphthala	308009	154005	616018	307596	-0.13
77 Perylene-d12	115550	57775	231100	111102	-3.85

COMPOUND	STANDARD	RT LIMIT		SAMPLE	%DIFF
		LOWER	UPPER		
8 1,4-Dichlorobenze	9.12	8.62	9.62	9.12	-0.00
27 Naphthalene-d8	11.60	11.10	12.10	11.60	-0.07
42 Acenaphthene-d10	15.23	14.73	15.73	15.22	-0.05
59 Phenanthrene-d10	18.28	17.78	18.78	18.28	-0.00
69 Chrysene-d12	23.35	22.85	23.85	23.36	0.03
134 Di-n-octylphthala	24.41	23.91	24.91	24.41	0.03
77 Perylene-d12	26.04	25.54	26.54	26.08	0.15

AREA UPPER LIMIT = +100% of internal standard area.
 AREA LOWER LIMIT = - 50% of internal standard area.
 RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
 RT LOWER LIMIT = - 0.50 minutes of internal standard RT.

REVIEW SUMMARY FOR FILE - NT1022063009.D

Lab ID: BKF0469-MS1
nt10.i, ABN.m, 30-JUN-2022 18:44

RT CO-ELUTION COMPOUNDS

NO CO-ELUTIONS

Quant Method: ICAL

RRT CHECK

RRT	CCV RRT	DELTA	COMPOUND
1.021	1.015	0.0060	4-Chloroaniline
0.530	0.522	0.0084	Pyridine

RRT check based on Ccal File: NT1022063002.D

On Column LOD for nt10.i, ABN.m, ICAL.sub = 0.0000

* Only compounds listed in the work order have been verified by the analyst *

Data File: \\target\share\chem3\nt10.1\20220630.1\NT1022063010.D

Date: 30-JUN-2022 19:23

Client ID:

Sample Info: BKF0469-HSD1

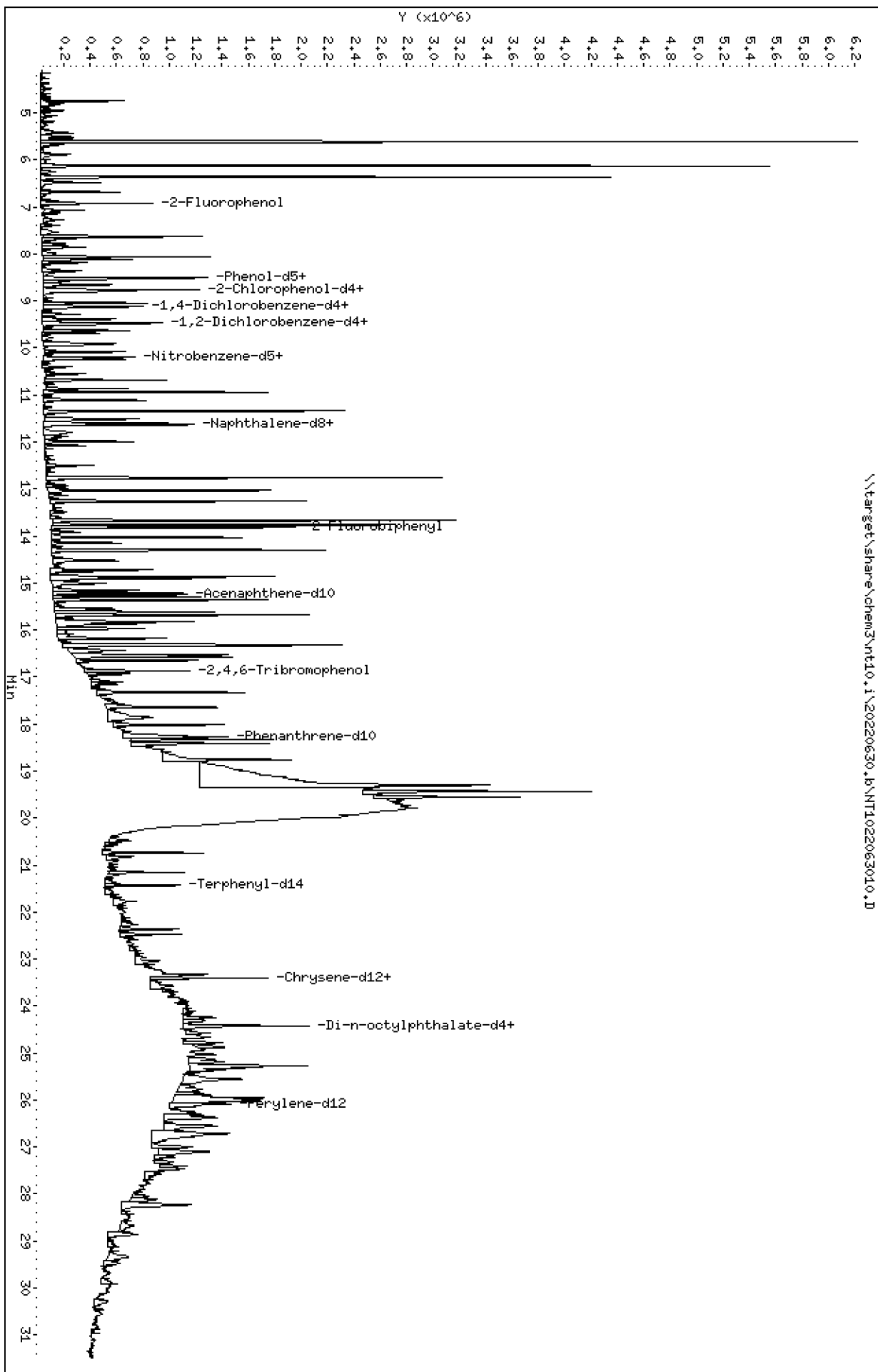
Column phase: ZB-5msi

Instrument: nt10.1

Operator: VTS

Column diameter: 0.25

Page 1



Date : 30-JUN-2022 19:23

Client ID:

Instrument: nt10.i

Sample Info: BKF0469-MSD1

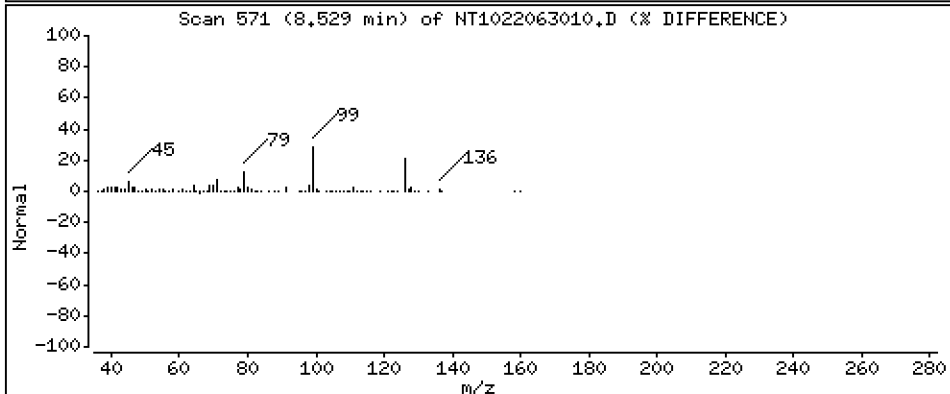
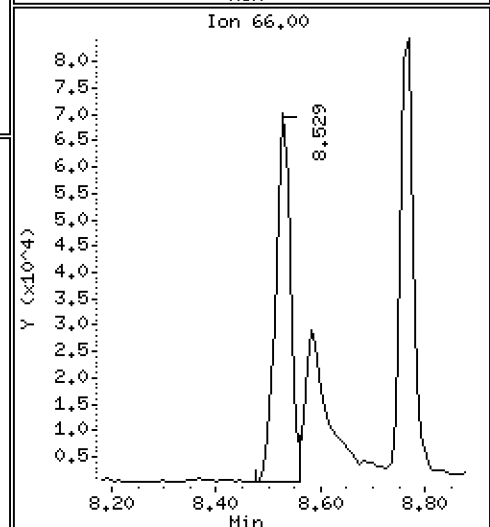
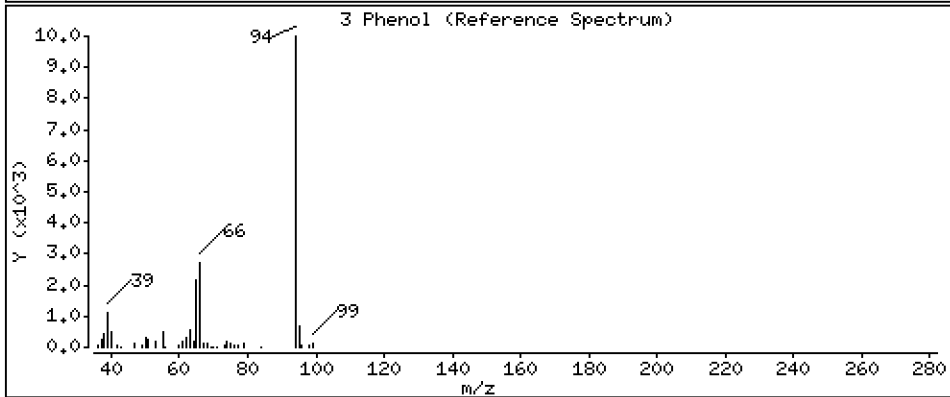
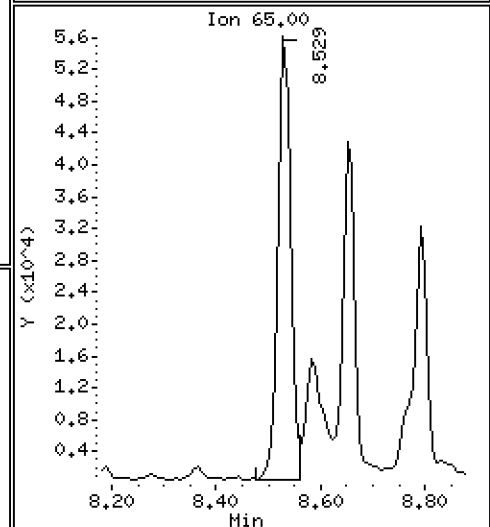
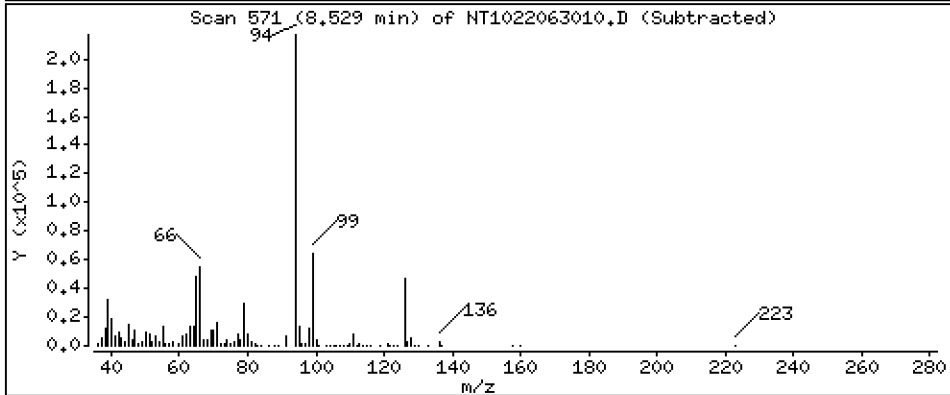
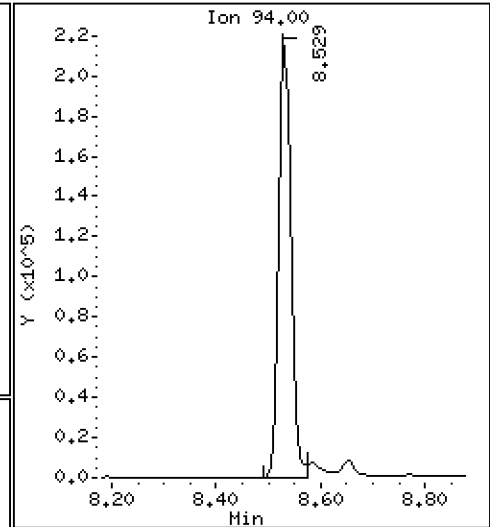
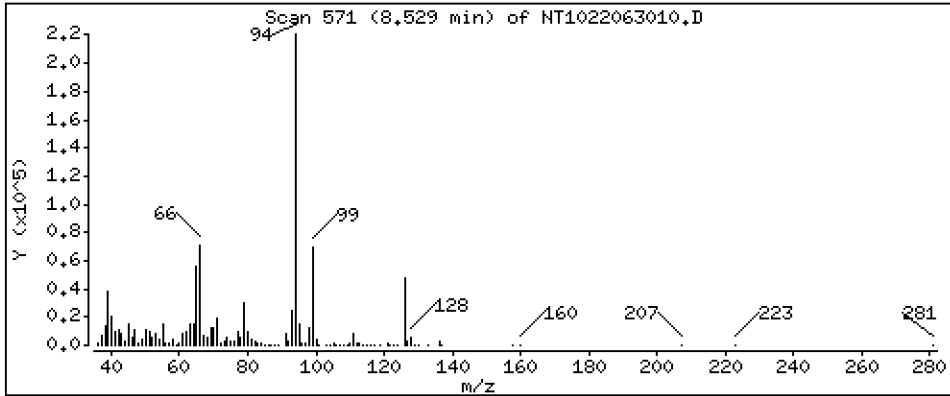
Operator: VTS

Column phase: ZB-5msi

Column diameter: 0,25

3 Phenol

Concentration: 3,267 ug/mL



Date : 30-JUN-2022 19:23

Client ID:

Instrument: nt10.i

Sample Info: BKF0469-MSD1

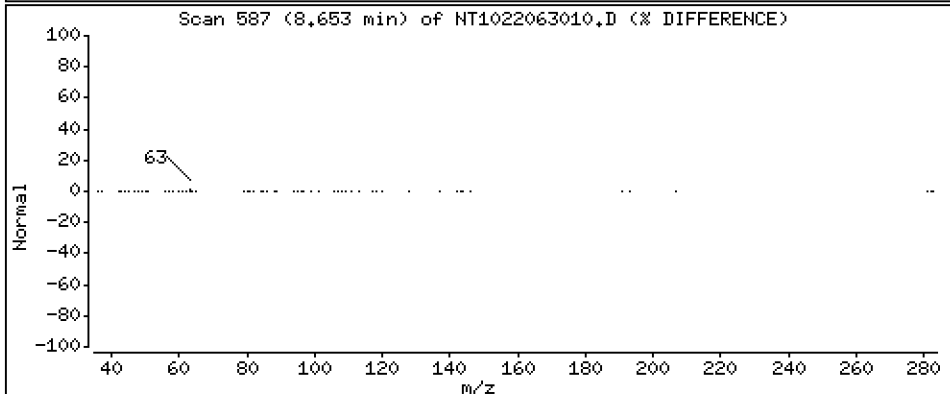
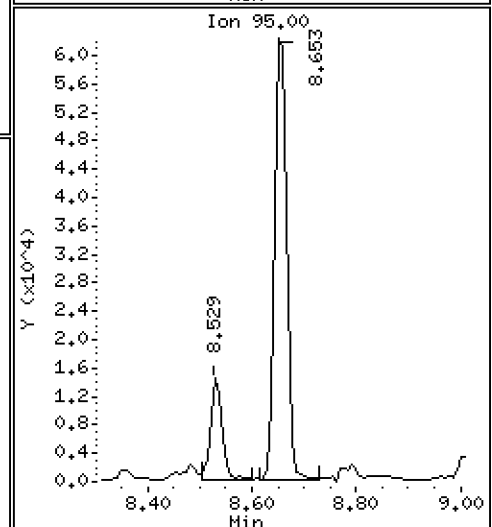
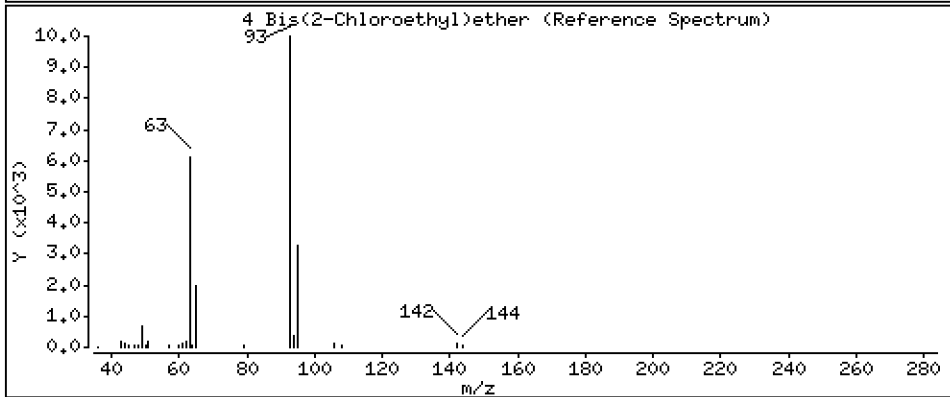
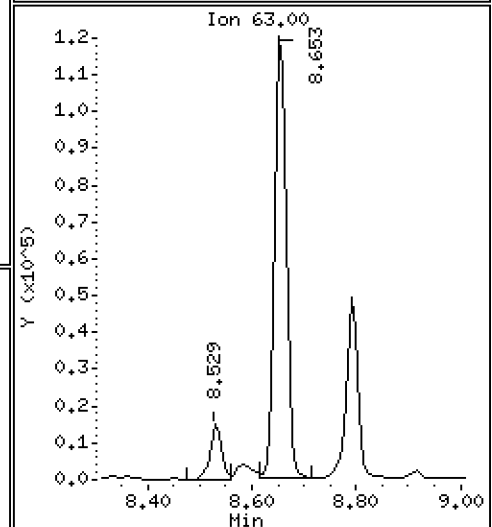
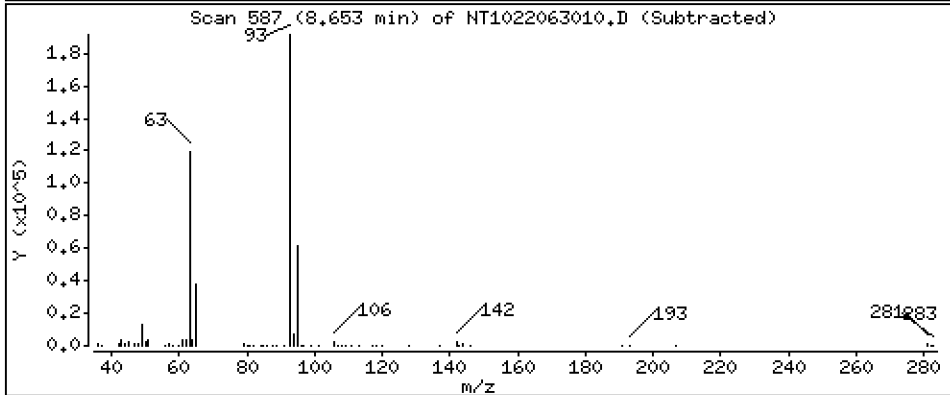
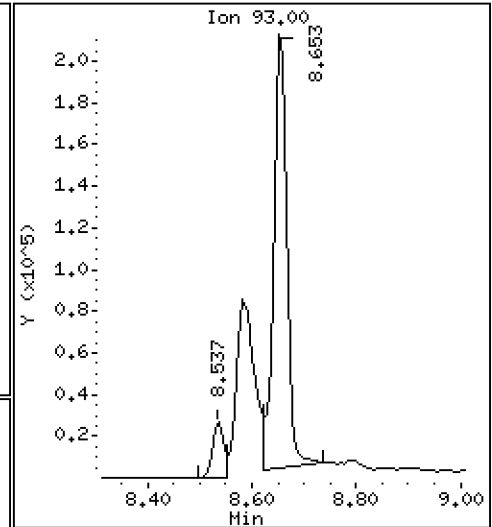
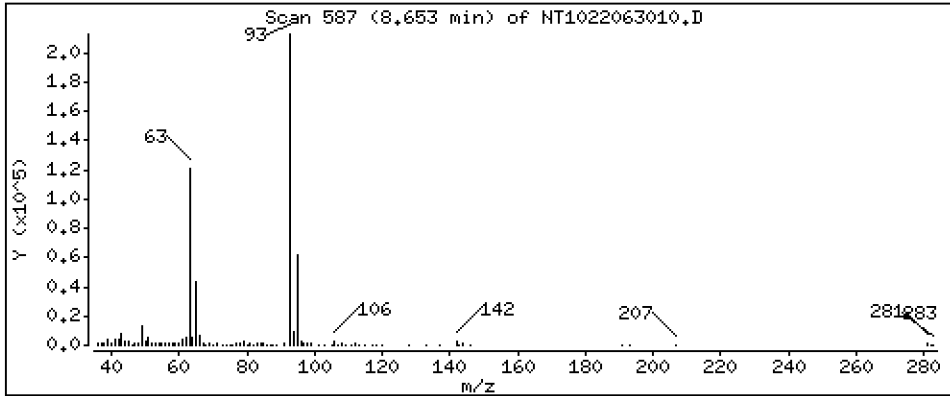
Operator: VTS

Column phase: ZB-5msi

Column diameter: 0,25

4 Bis(2-Chloroethyl)ether

Concentration: 4,822 ug/mL



Date : 30-JUN-2022 19:23

Client ID:

Instrument: nt10.i

Sample Info: BKF0469-MSD1

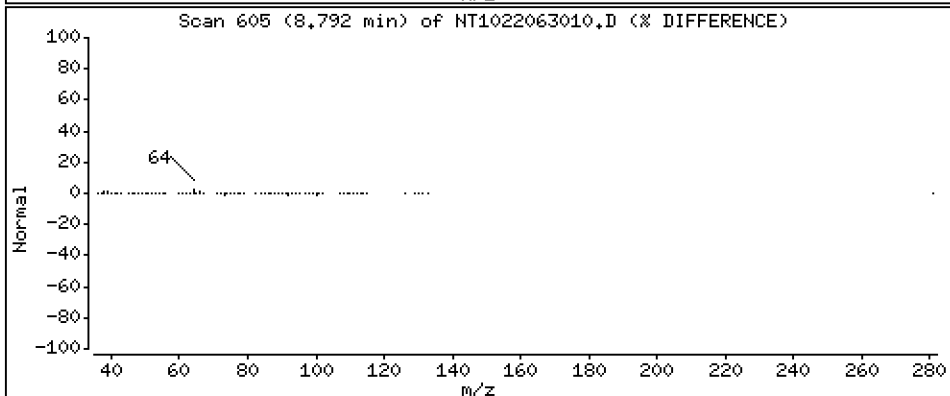
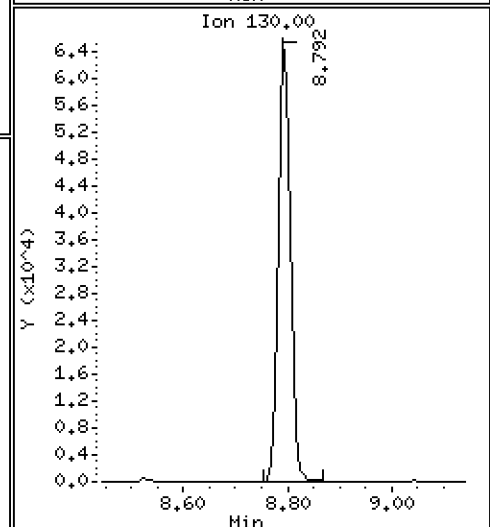
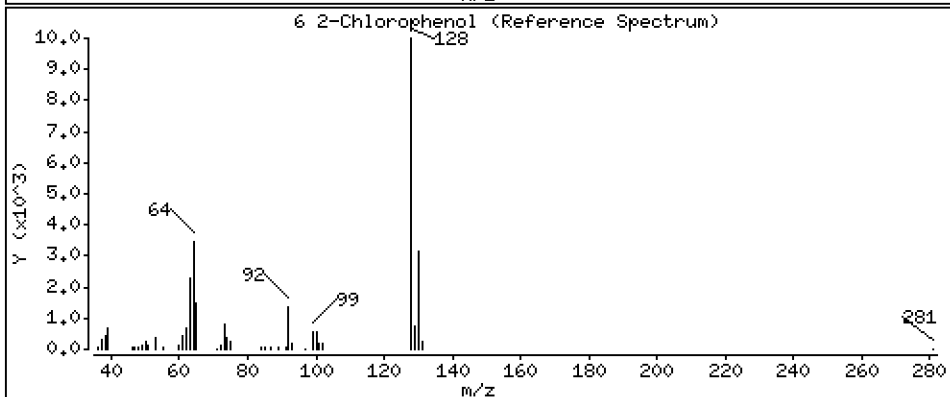
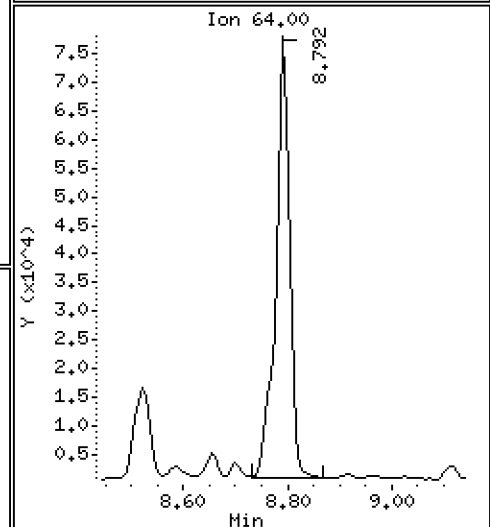
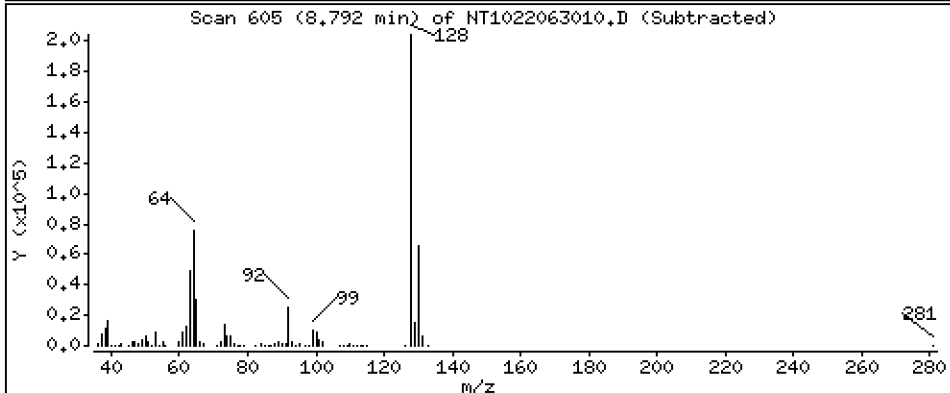
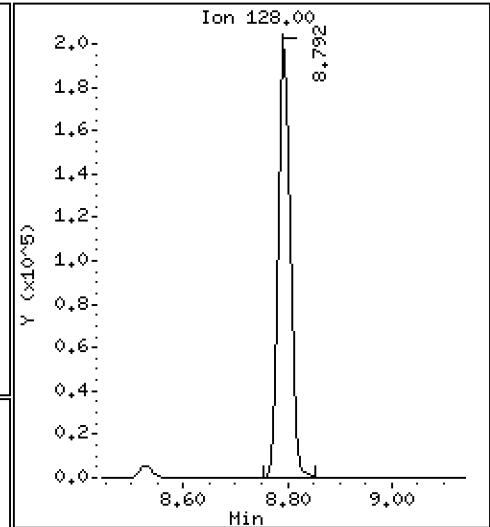
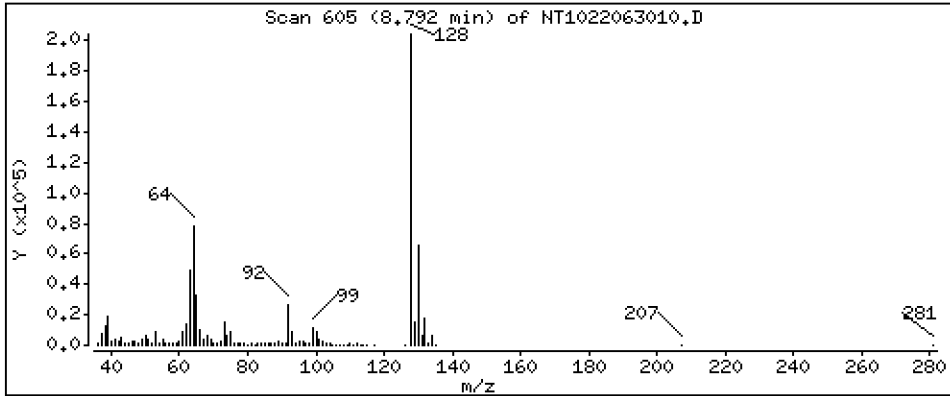
Operator: VTS

Column phase: ZB-5msi

Column diameter: 0,25

6 2-Chlorophenol

Concentration: 3,769 ug/mL



Date : 30-JUN-2022 19:23

Client ID:

Instrument: nt10.i

Sample Info: BKF0469-MSD1

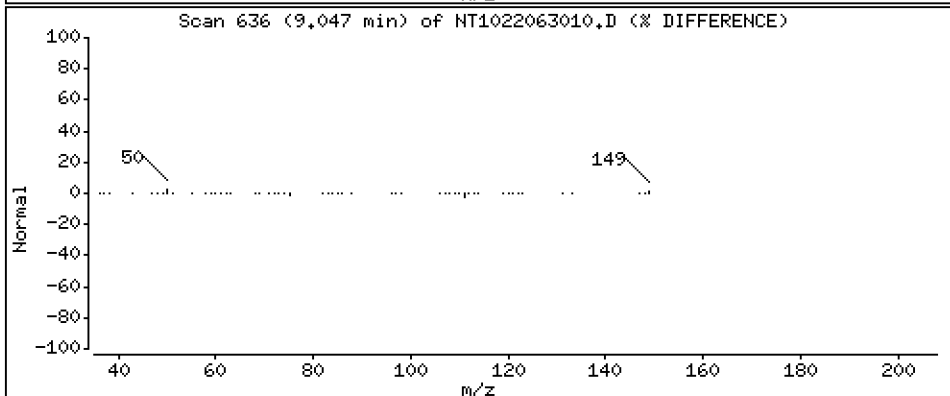
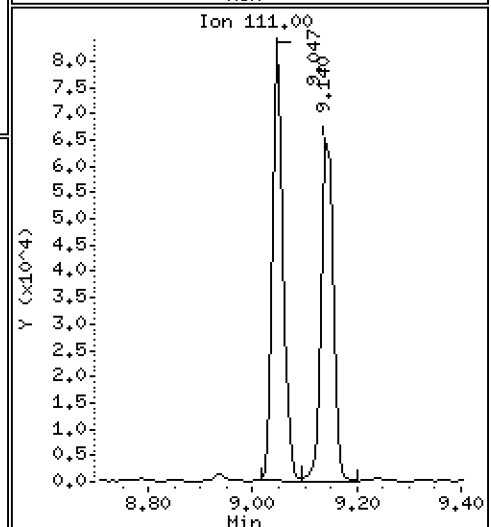
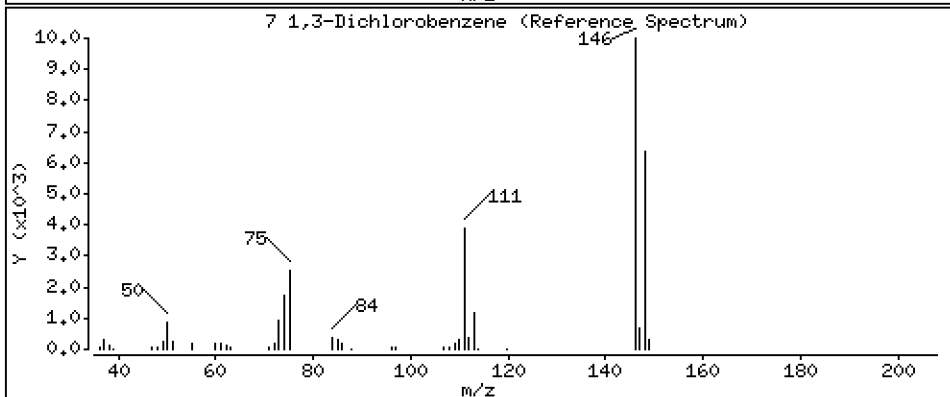
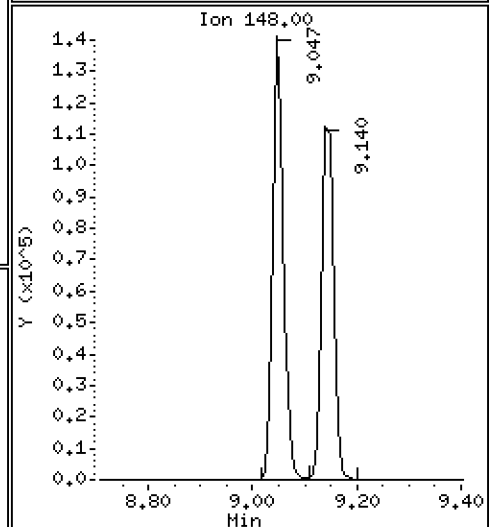
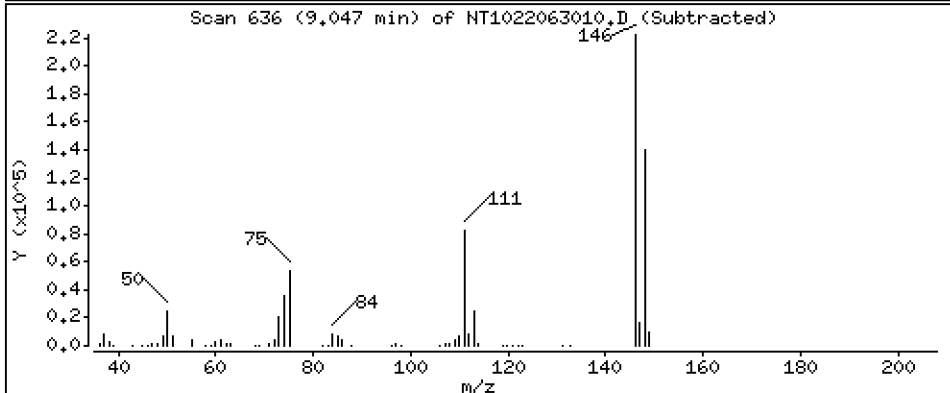
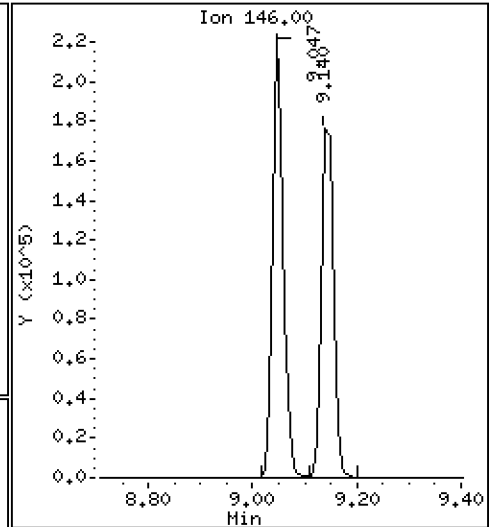
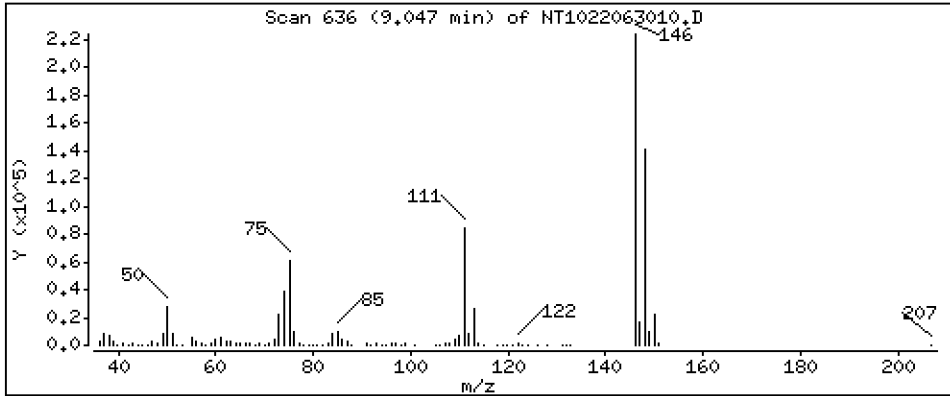
Operator: VTS

Column phase: ZB-5msi

Column diameter: 0,25

7 1,3-Dichlorobenzene

Concentration: 3,600 ug/mL



Date : 30-JUN-2022 19:23

Client ID:

Instrument: nt10.i

Sample Info: BKF0469-MSD1

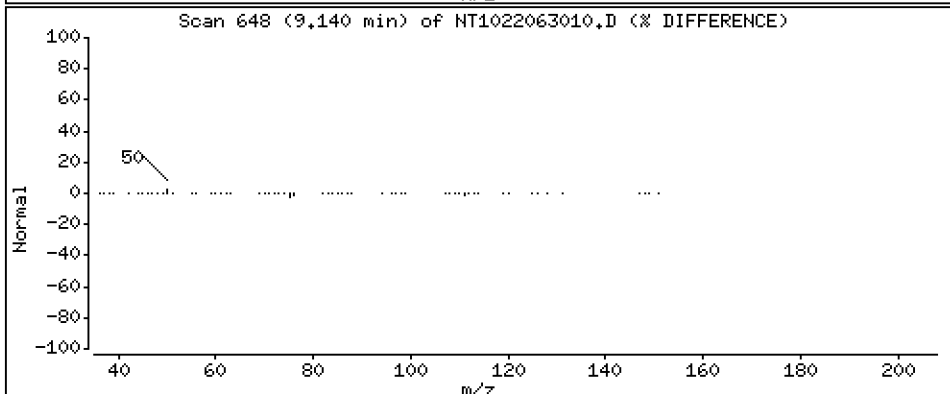
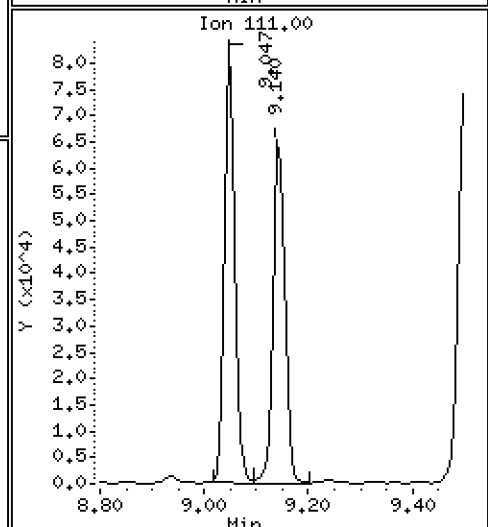
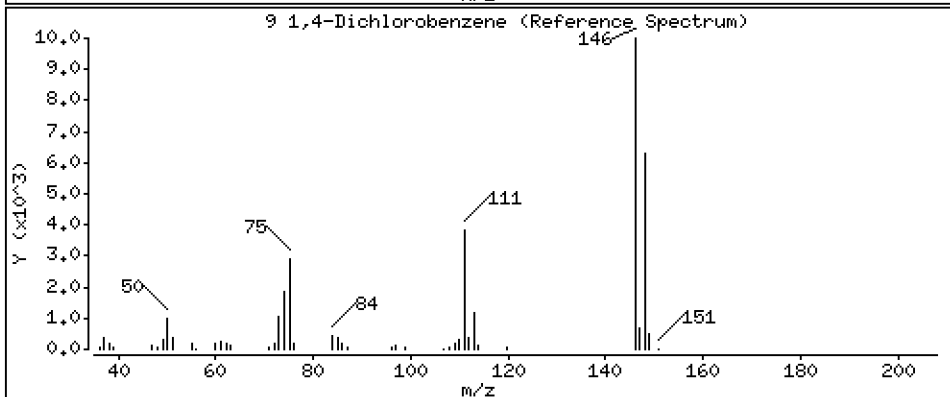
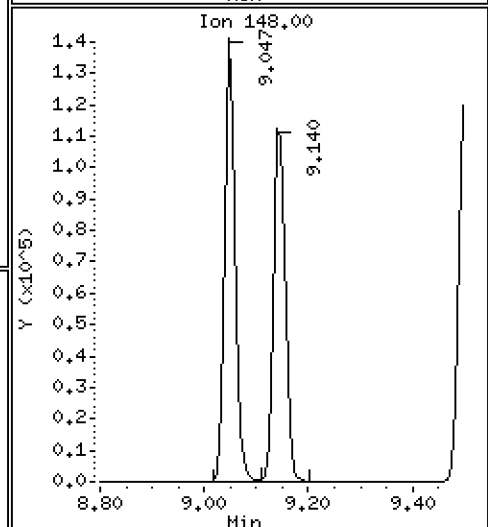
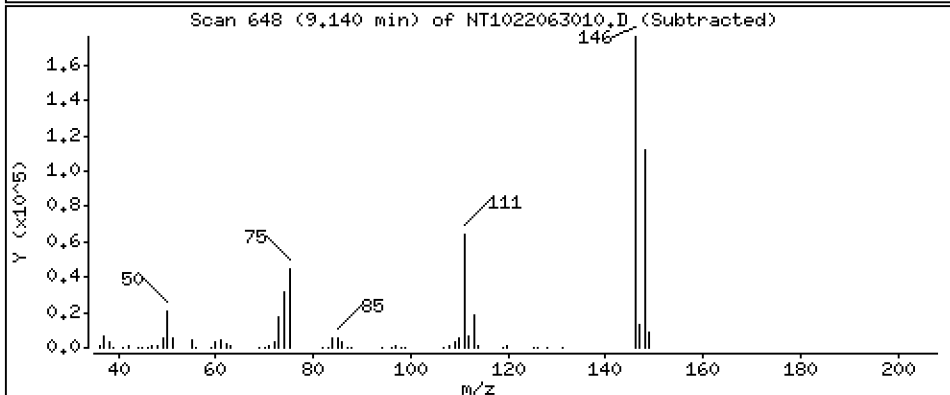
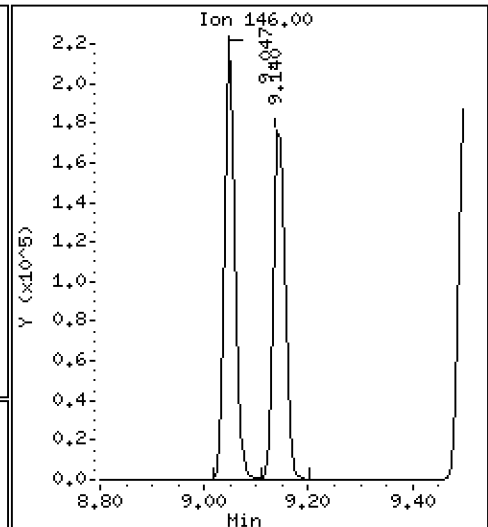
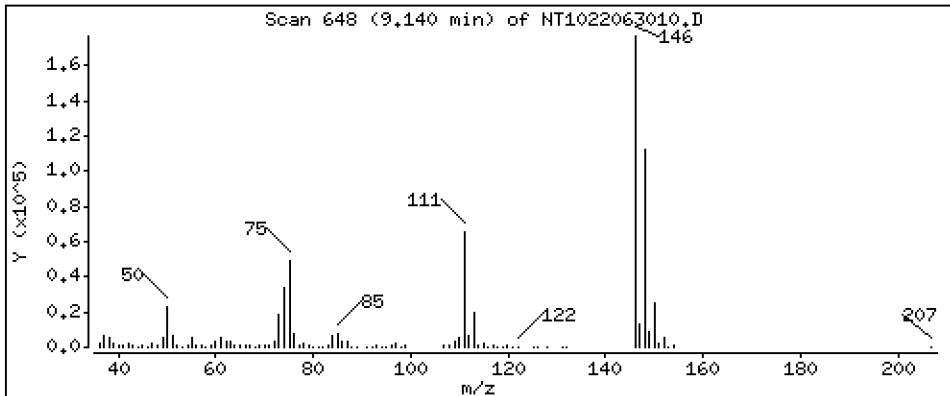
Operator: VTS

Column phase: ZB-5msi

Column diameter: 0,25

9 1,4-Dichlorobenzene

Concentration: 3,810 ug/mL



Date : 30-JUN-2022 19:23

Client ID:

Instrument: nt10.i

Sample Info: BKF0469-MSD1

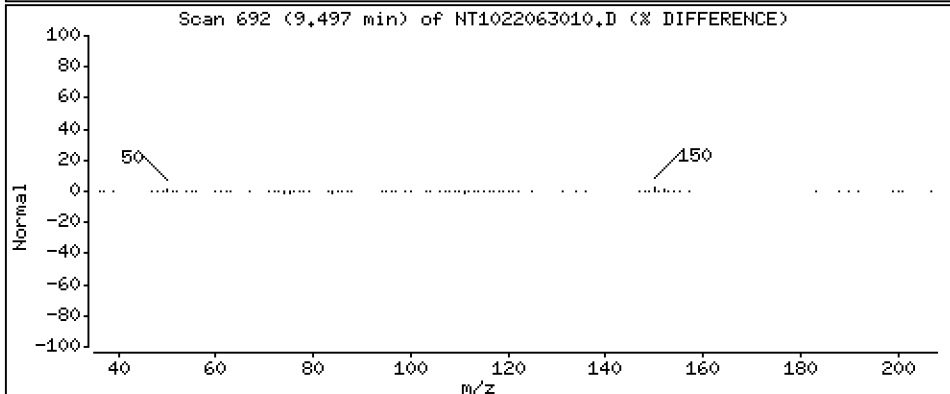
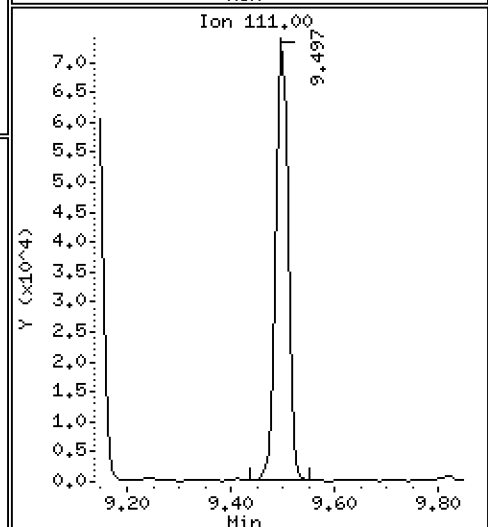
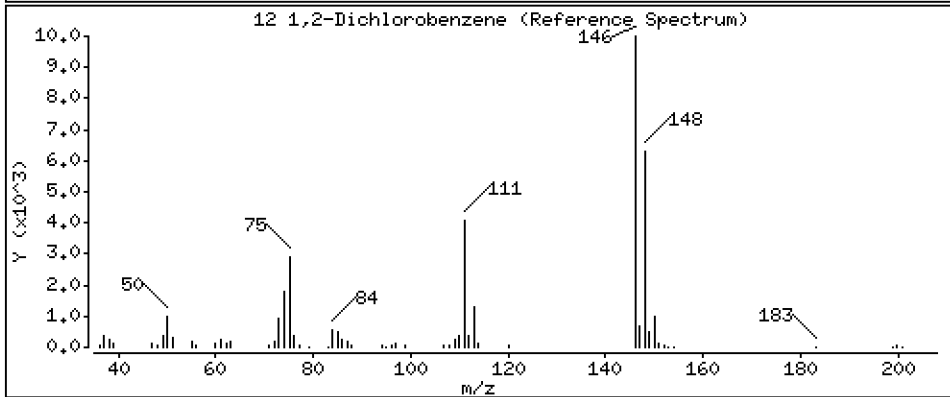
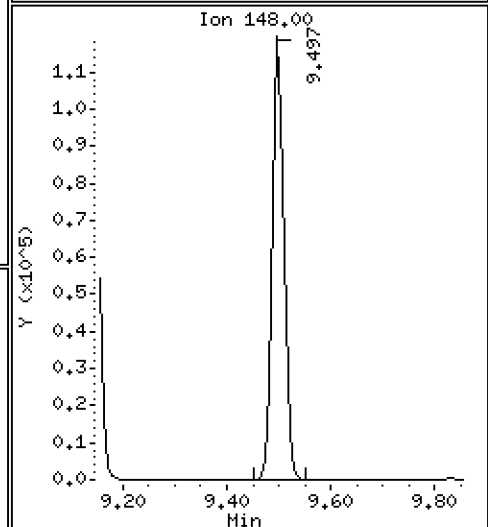
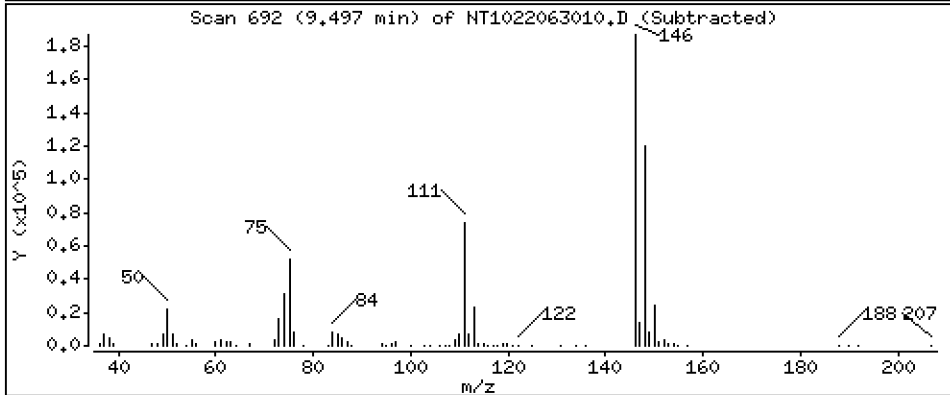
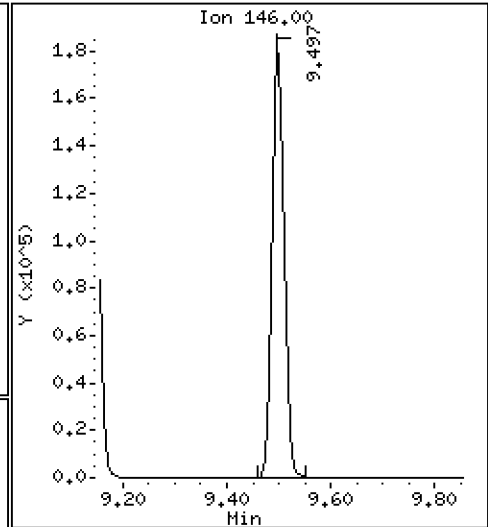
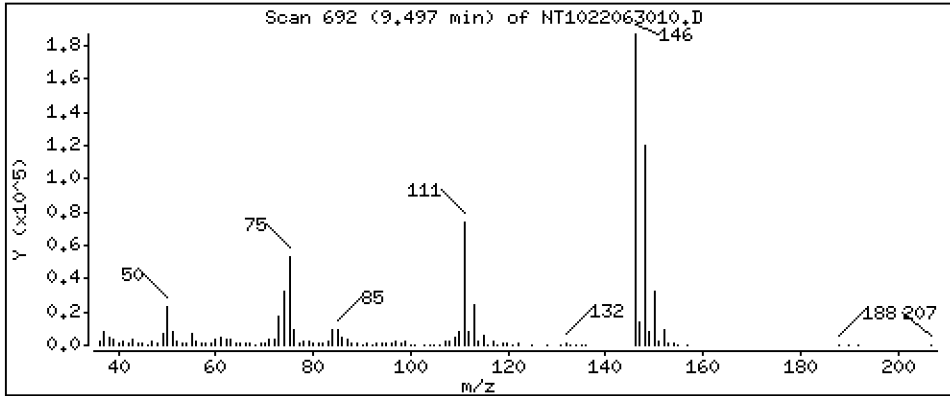
Operator: VTS

Column phase: ZB-5msi

Column diameter: 0,25

12 1,2-Dichlorobenzene

Concentration: 3,779 ug/mL



Date : 30-JUN-2022 19:23

Client ID:

Instrument: nt10.i

Sample Info: BKF0469-MSD1

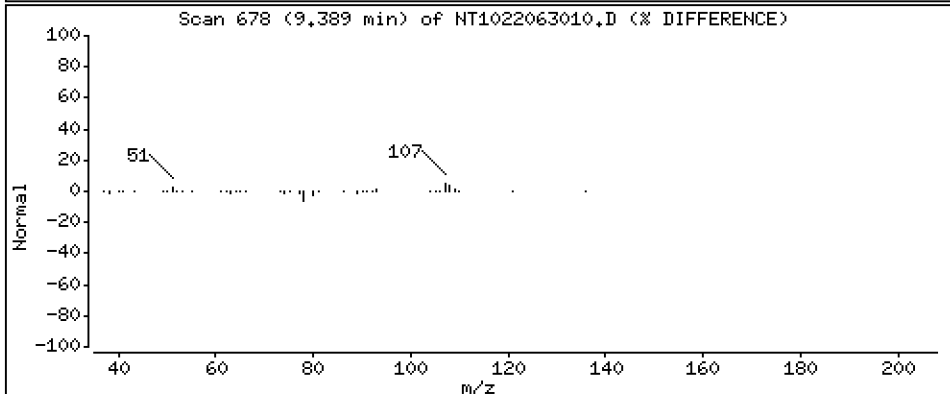
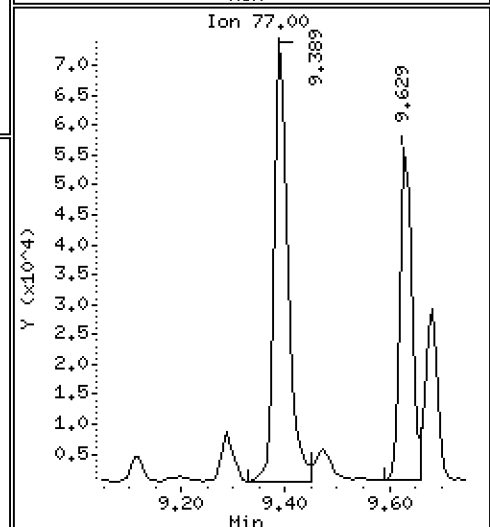
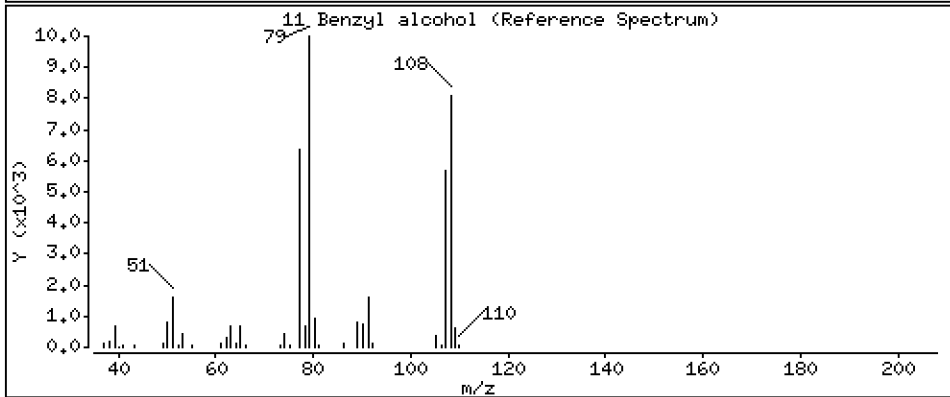
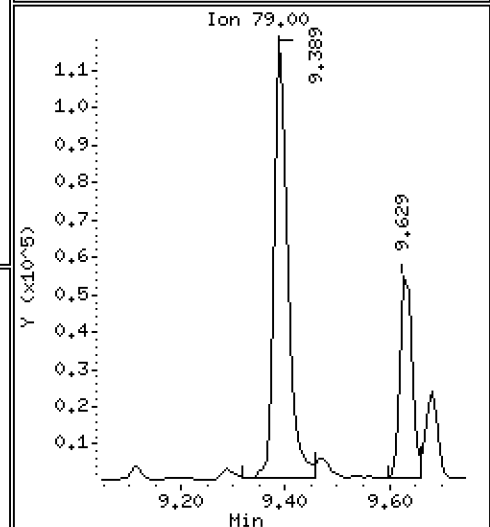
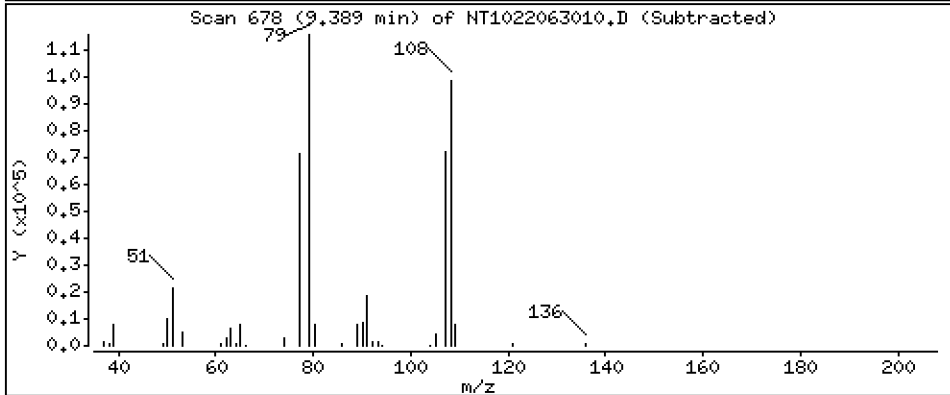
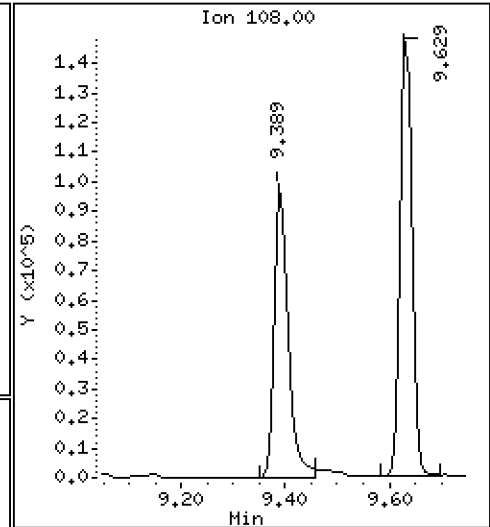
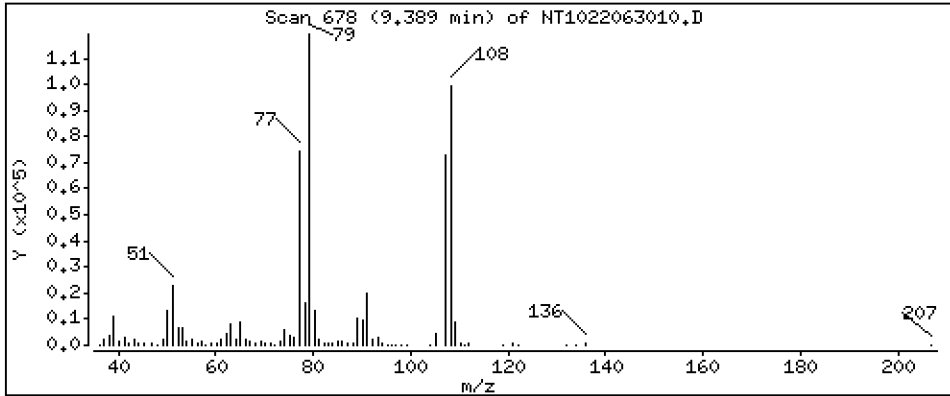
Operator: VTS

Column phase: ZB-5msi

Column diameter: 0.25

11 Benzyl alcohol

Concentration: 4.304 ug/mL



Date : 30-JUN-2022 19:23

Client ID:

Instrument: nt10.i

Sample Info: BKF0469-MSD1

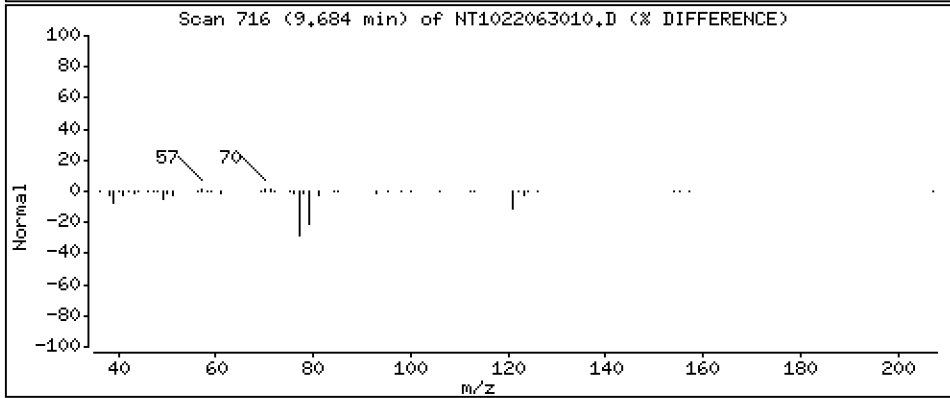
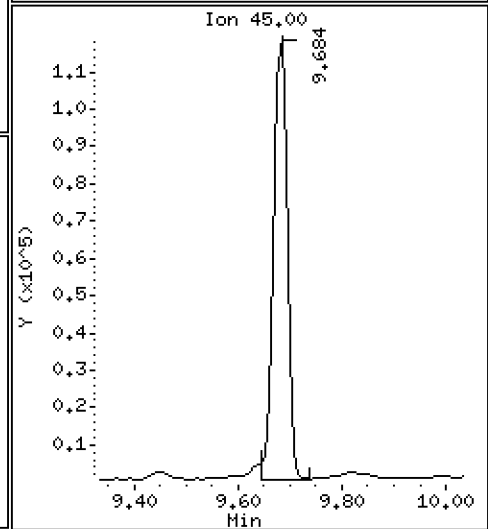
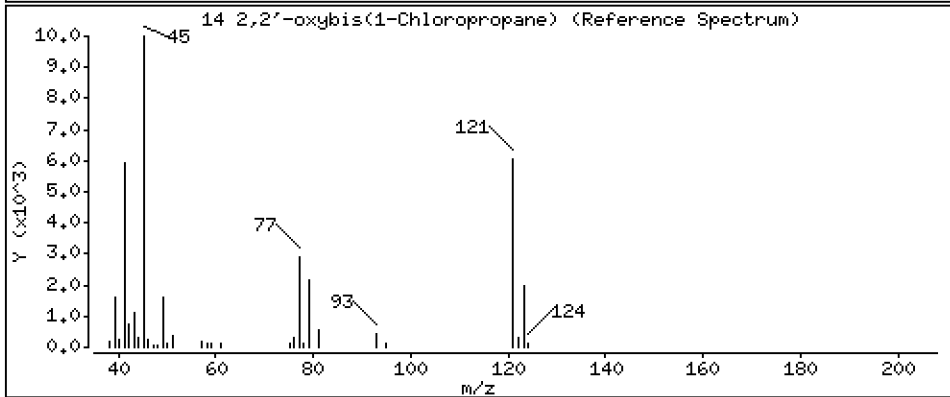
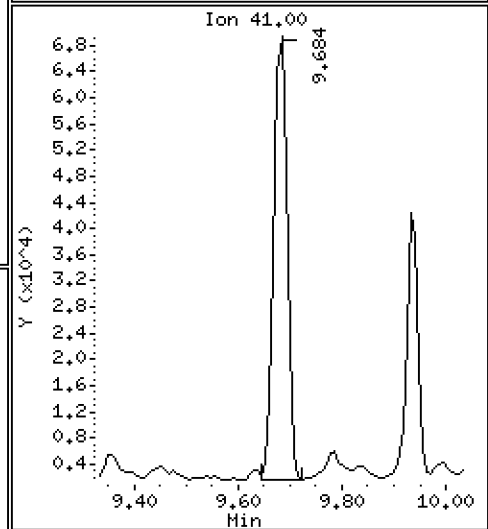
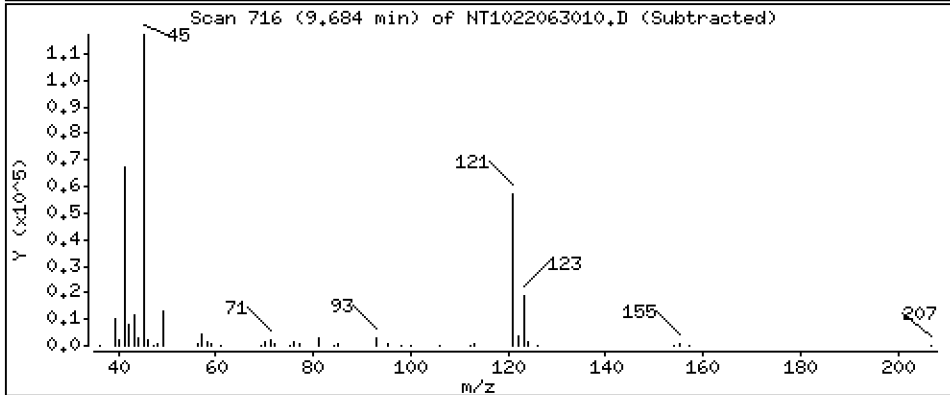
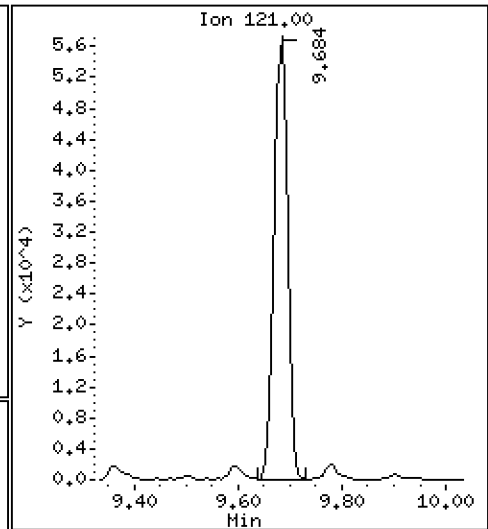
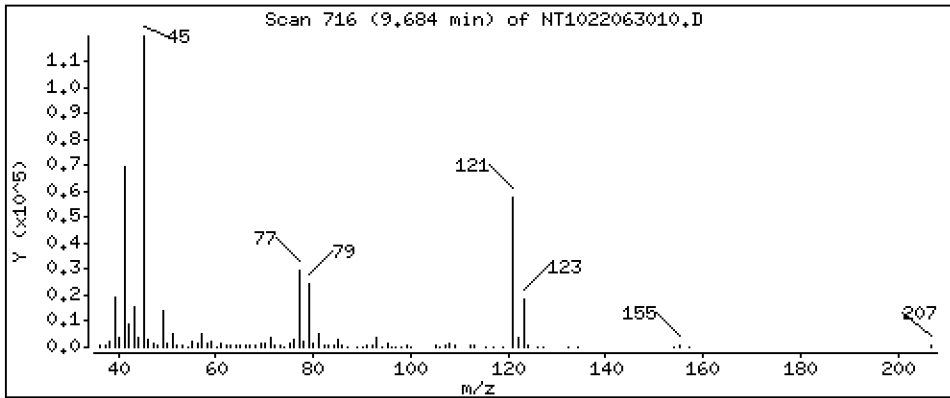
Operator: VTS

Column phase: ZB-5msi

Column diameter: 0,25

14 2,2'-oxybis(1-Chloropropane)

Concentration: 5,615 ug/mL



Date : 30-JUN-2022 19:23

Client ID:

Instrument: nt10.i

Sample Info: BKF0469-MSD1

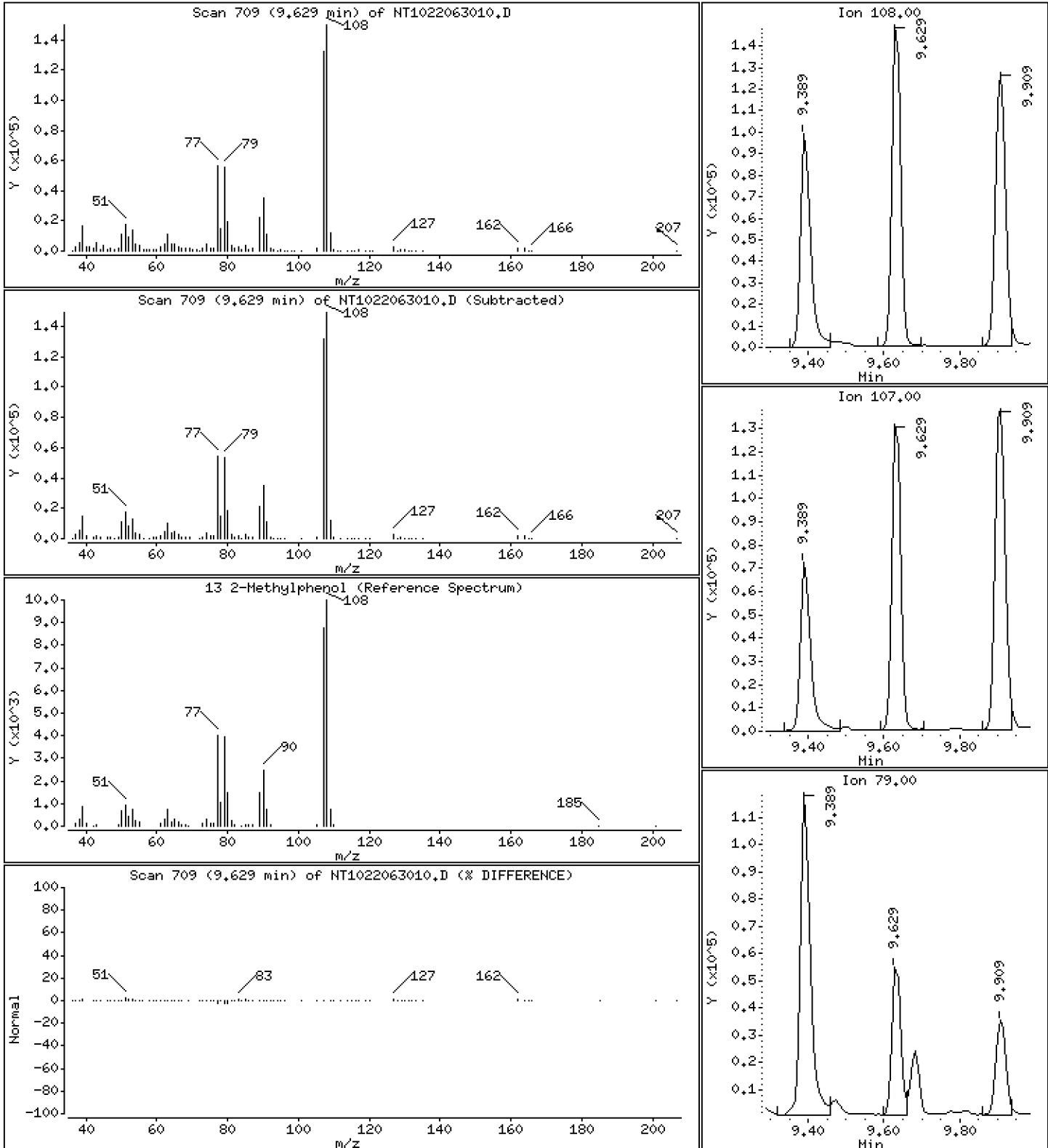
Operator: VTS

Column phase: ZB-5msi

Column diameter: 0,25

13 2-Methylphenol

Concentration: 3,514 ug/mL



Date : 30-JUN-2022 19:23

Client ID:

Instrument: nt10.i

Sample Info: BKF0469-MSD1

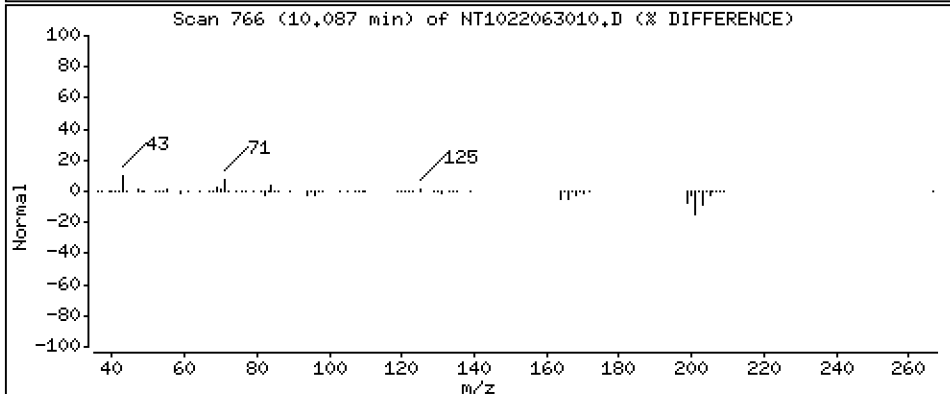
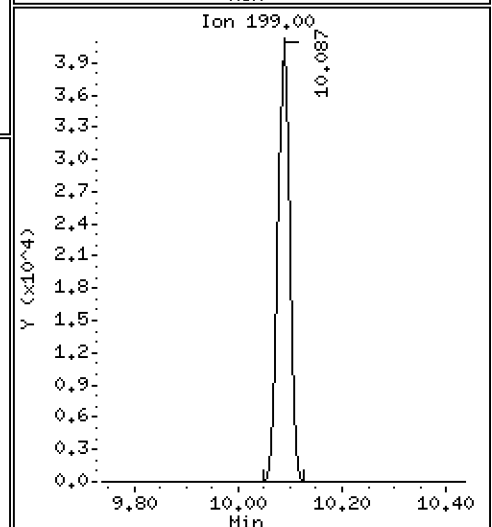
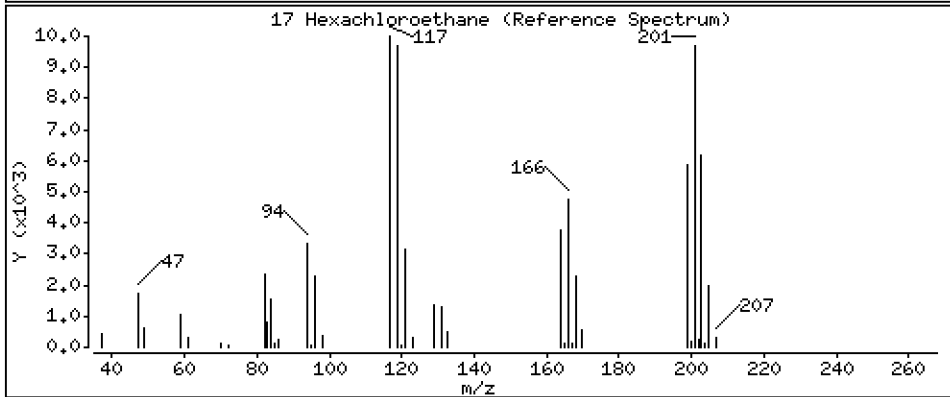
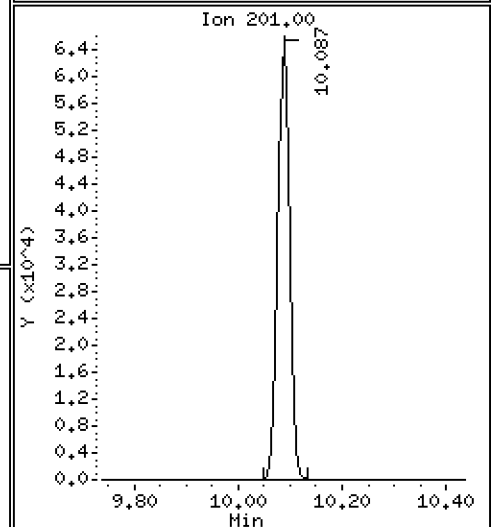
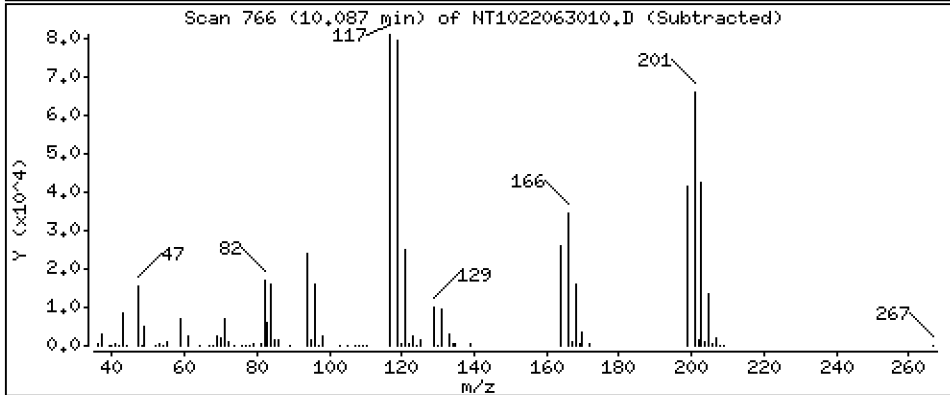
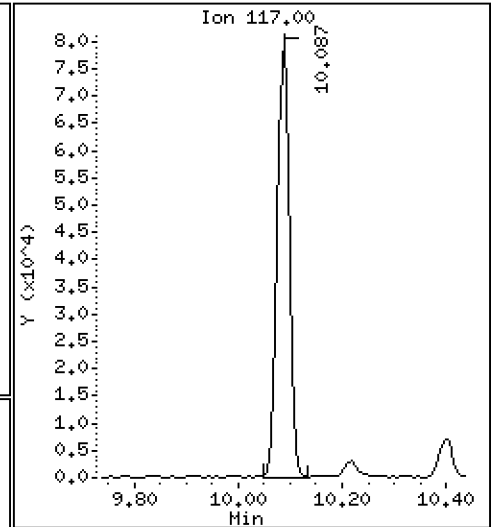
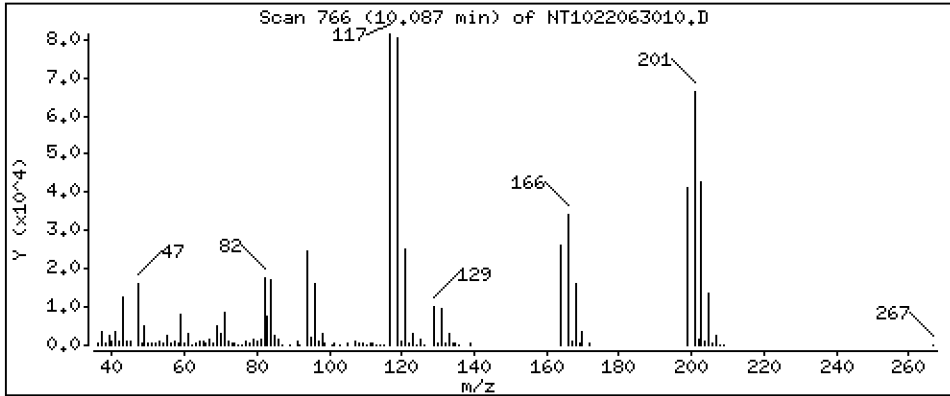
Operator: VTS

Column phase: ZB-5msi

Column diameter: 0,25

17 Hexachloroethane

Concentration: 3,901 ug/mL



Date : 30-JUN-2022 19:23

Client ID:

Instrument: nt10.i

Sample Info: BKF0469-MSD1

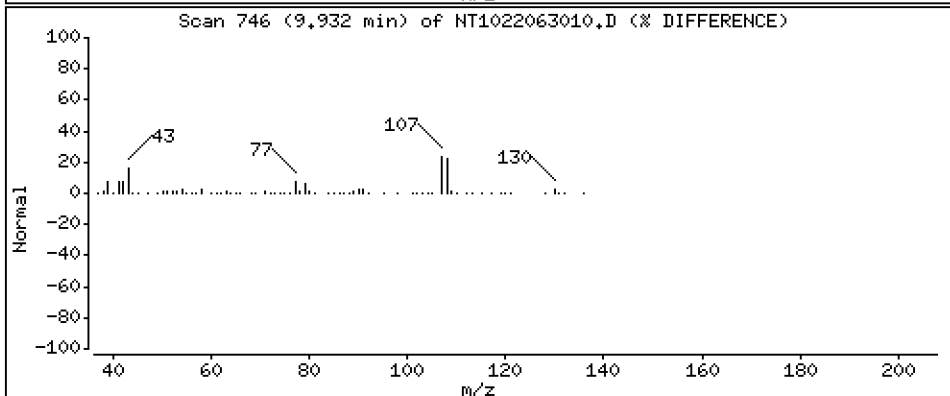
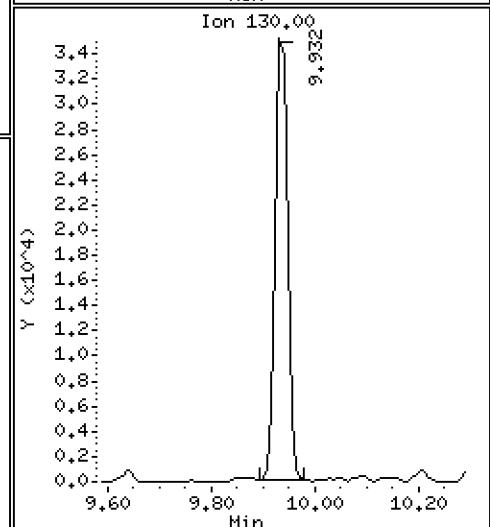
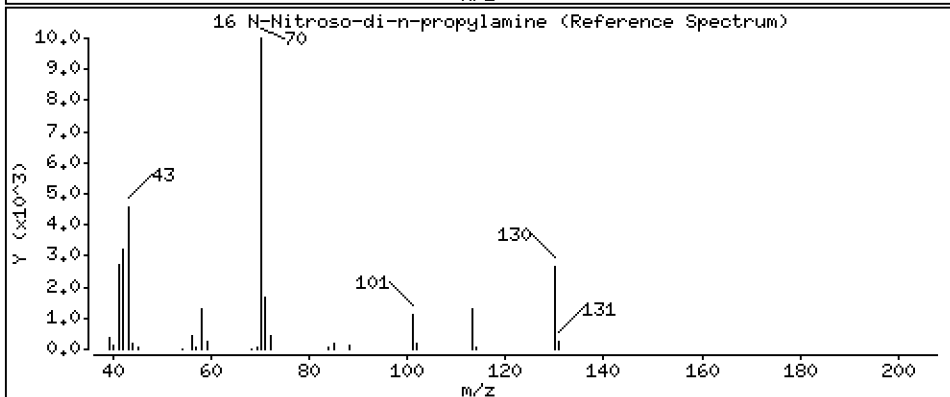
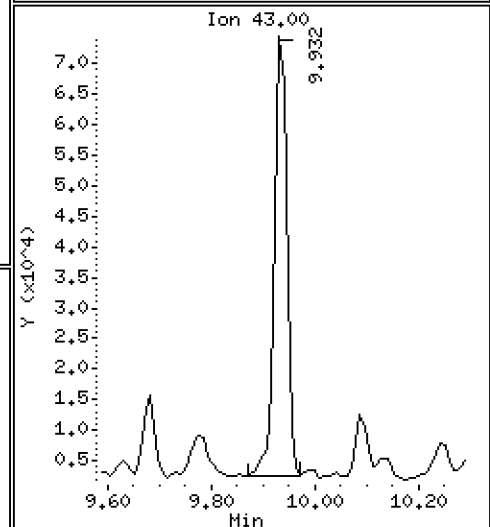
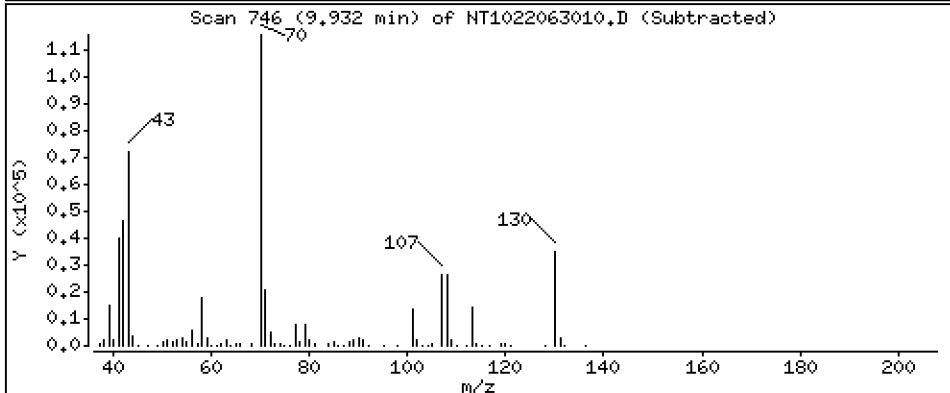
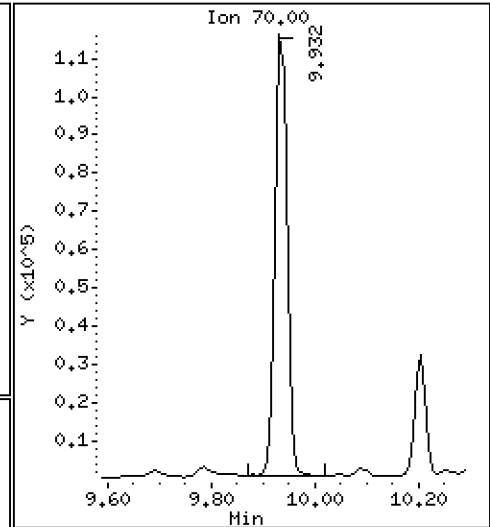
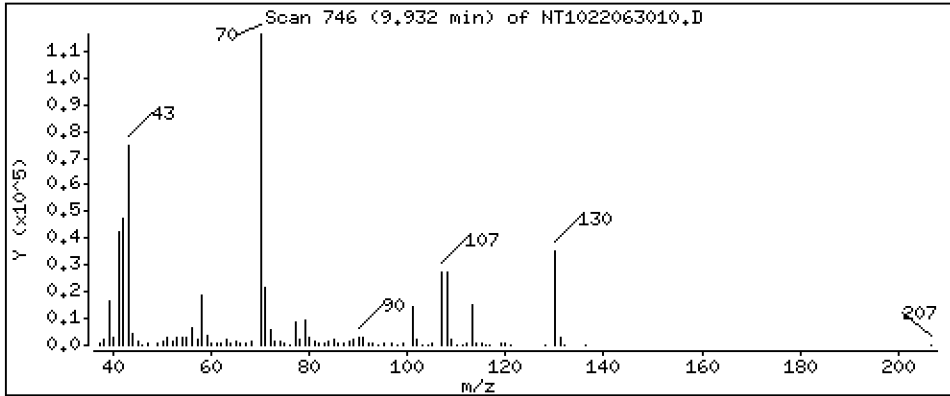
Operator: VTS

Column phase: ZB-5msi

Column diameter: 0,25

16 N-Nitroso-di-n-propylamine

Concentration: 4,014 ug/mL



Date : 30-JUN-2022 19:23

Client ID:

Instrument: nt10.i

Sample Info: BKF0469-MSD1

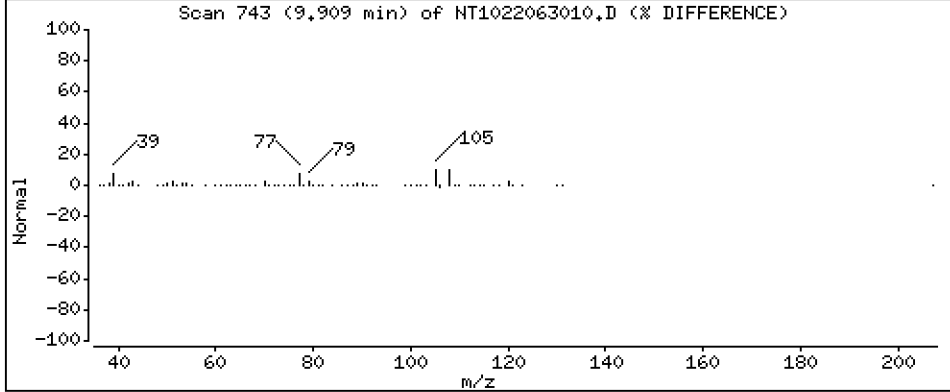
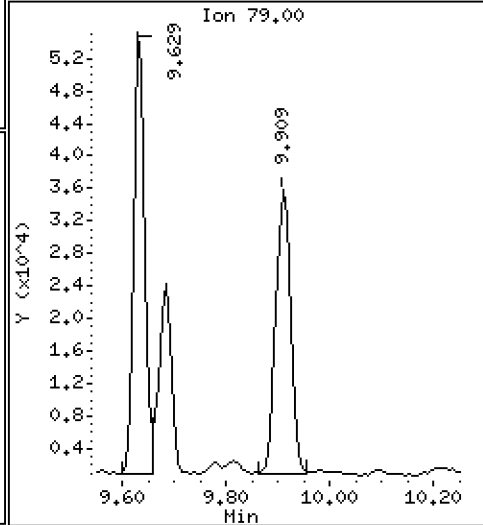
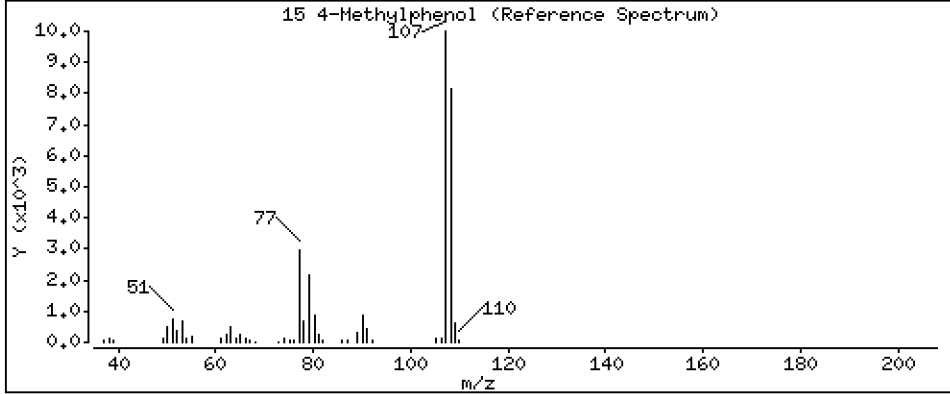
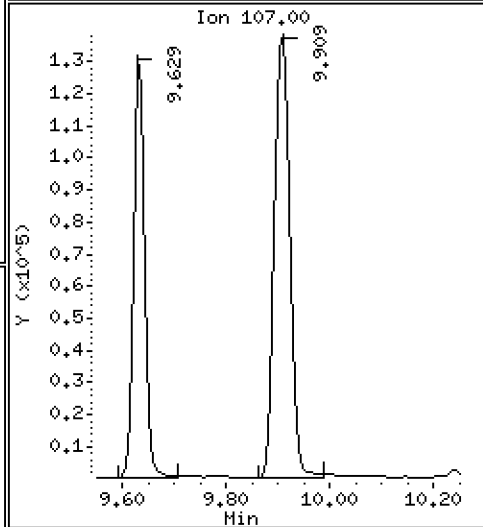
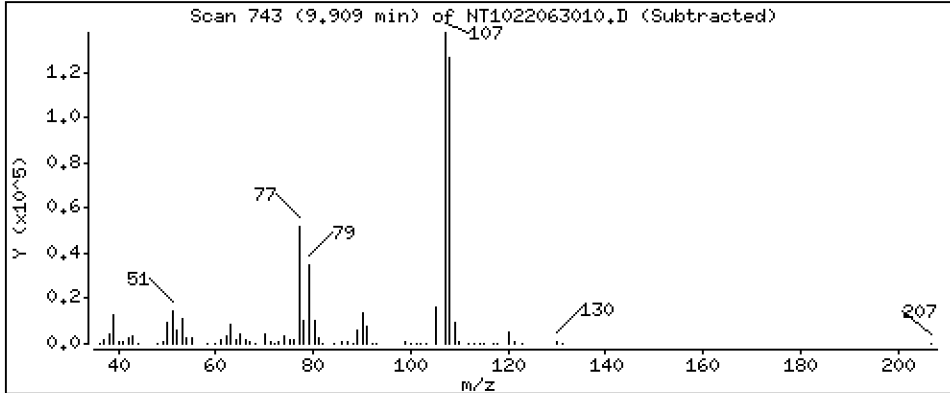
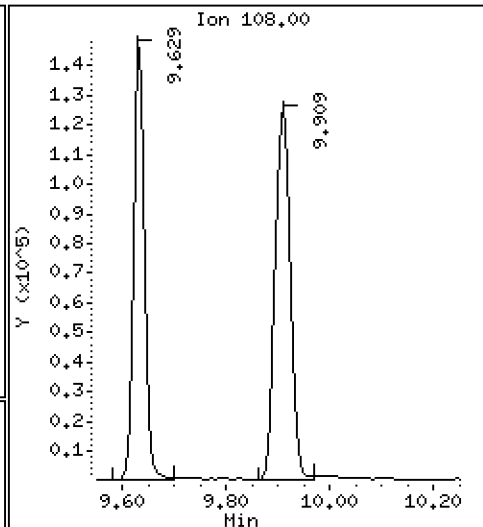
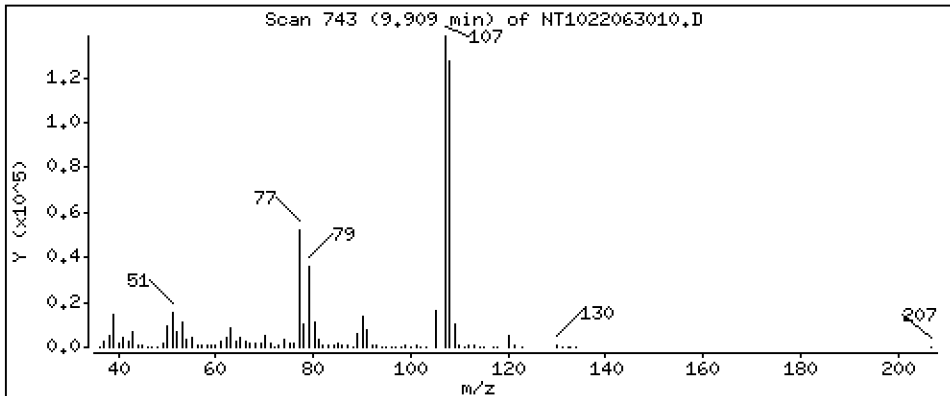
Operator: VTS

Column phase: ZB-5msi

Column diameter: 0,25

15 4-Methylphenol

Concentration: 3,680 ug/mL



Date : 30-JUN-2022 19:23

Client ID:

Instrument: nt10.i

Sample Info: BKF0469-MSD1

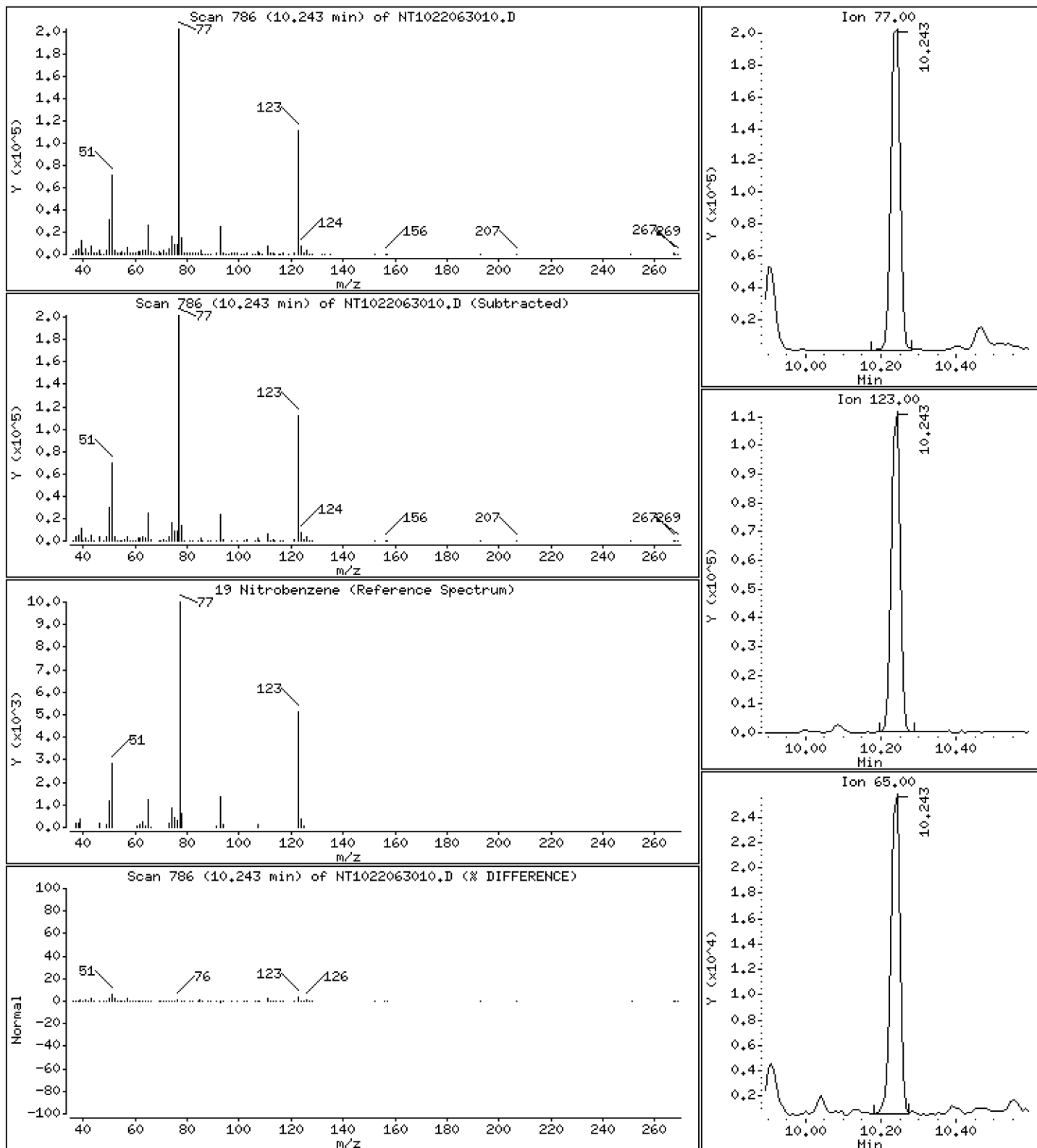
Operator: VTS

Column phase: ZB-5msi

Column diameter: 0,25

19 Nitrobenzene

Concentration: 4,011 ug/mL



Date : 30-JUN-2022 19:23

Client ID:

Instrument: nt10.i

Sample Info: BKF0469-MSD1

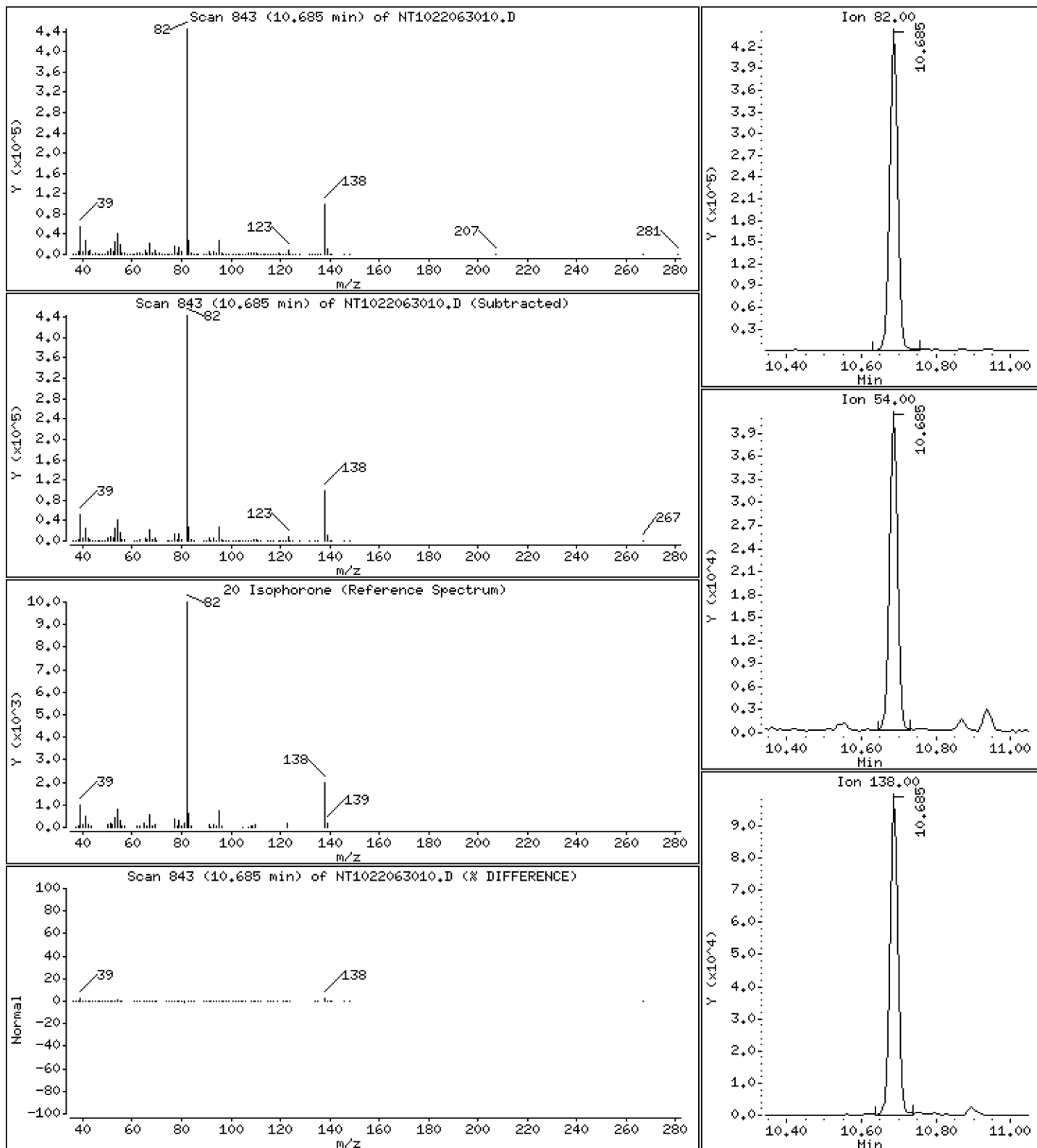
Operator: VTS

Column phase: ZB-5msi

Column diameter: 0,25

20 Isophorone

Concentration: 5,876 ug/mL



Date : 30-JUN-2022 19:23

Client ID:

Instrument: nt10.i

Sample Info: BKF0469-MSD1

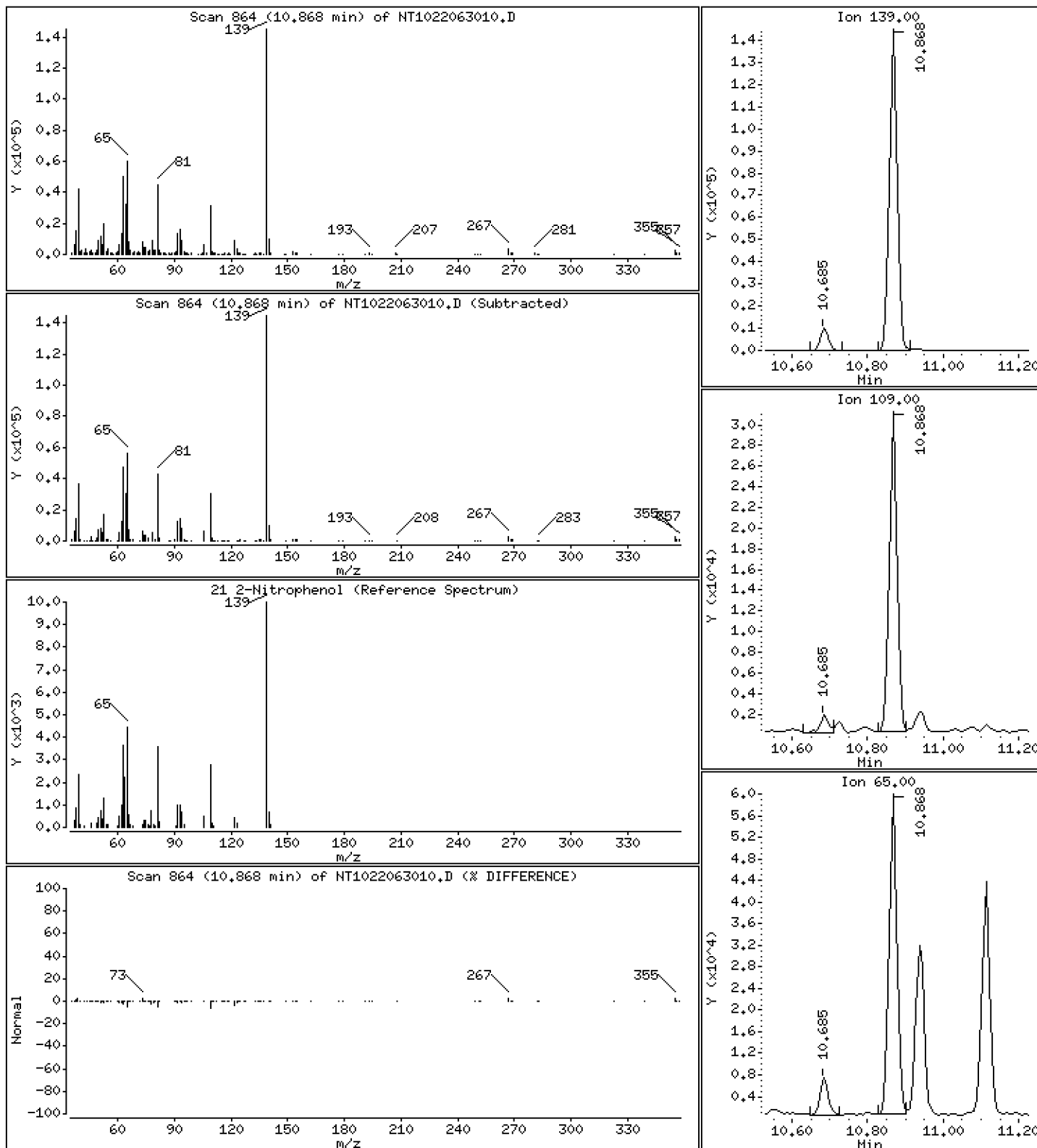
Operator: VTS

Column phase: ZB-5msi

Column diameter: 0,25

21 2-Nitrophenol

Concentration: 4,129 ug/mL



Date : 30-JUN-2022 19:23

Client ID:

Instrument: nt10.i

Sample Info: BKF0469-MSD1

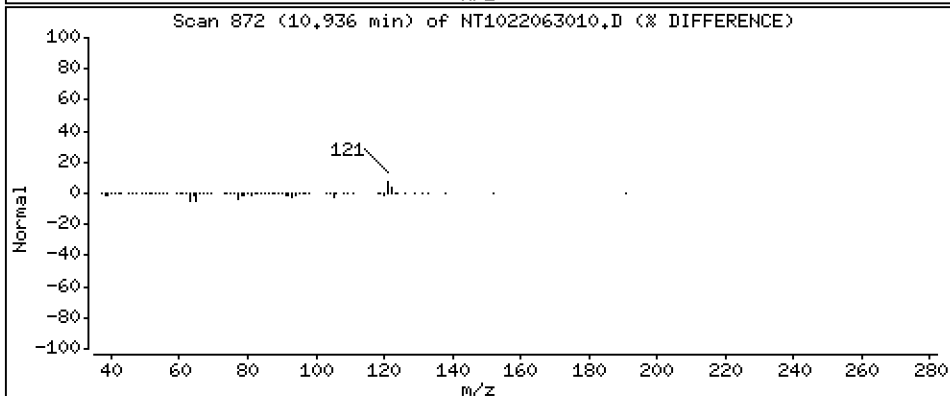
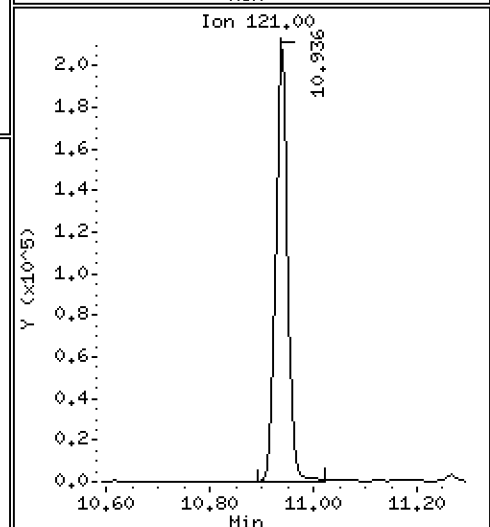
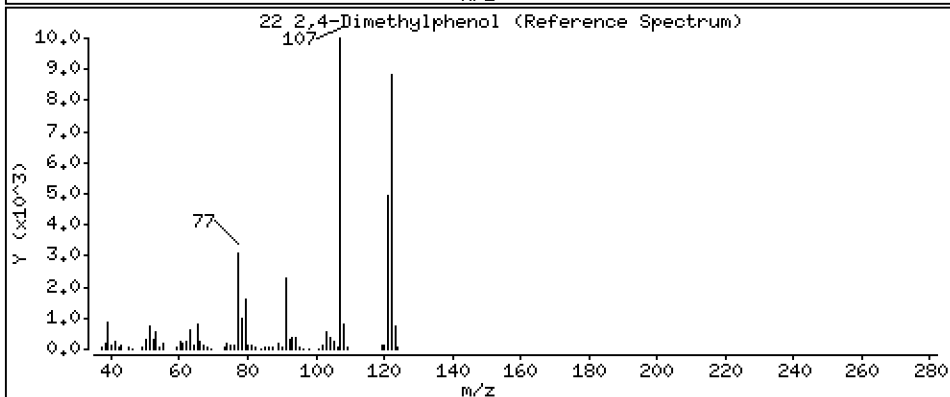
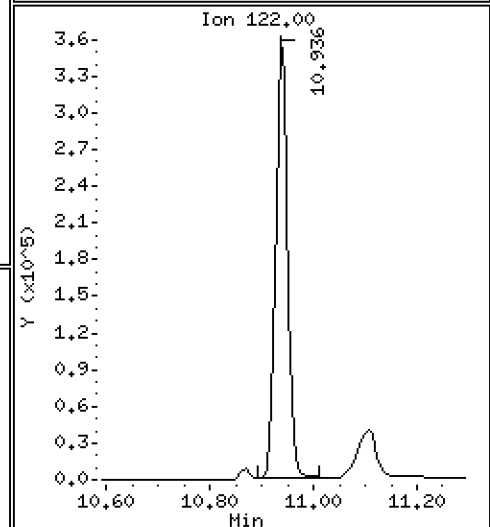
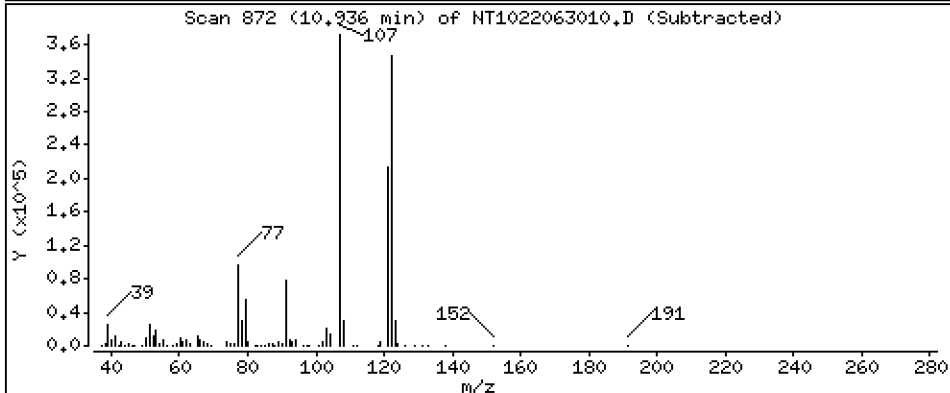
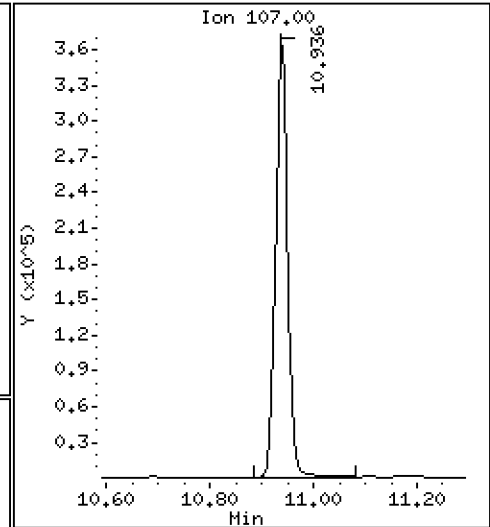
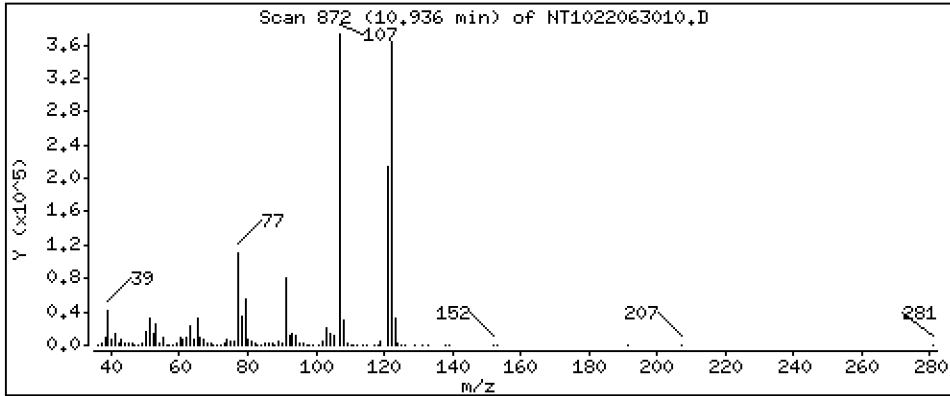
Operator: VTS

Column phase: ZB-5msi

Column diameter: 0,25

22 2,4-Dimethylphenol

Concentration: 10,05 ug/mL



Date : 30-JUN-2022 19:23

Client ID:

Instrument: nt10.i

Sample Info: BKF0469-MSD1

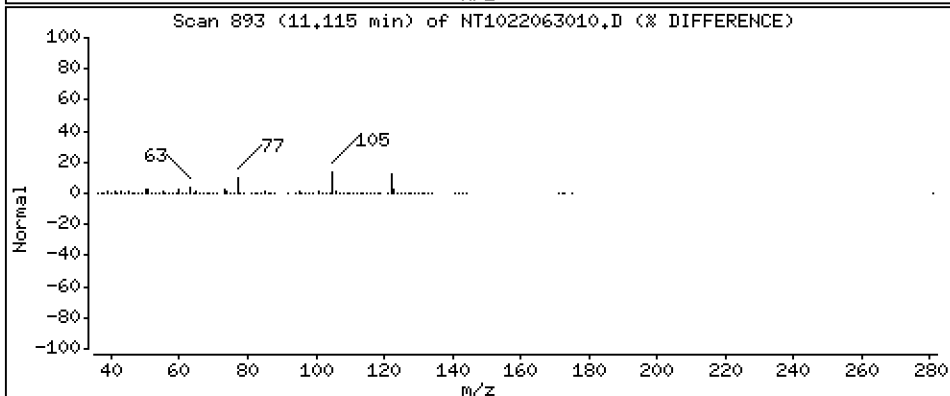
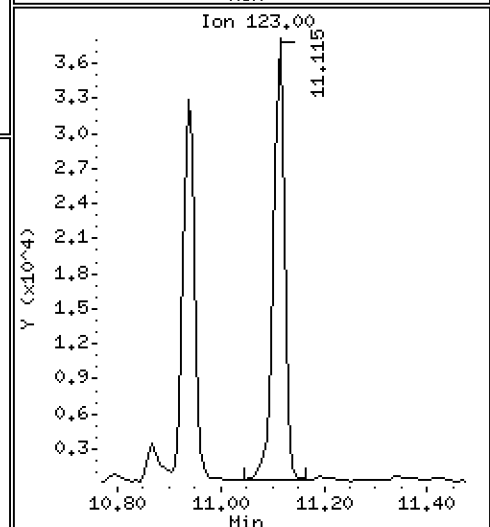
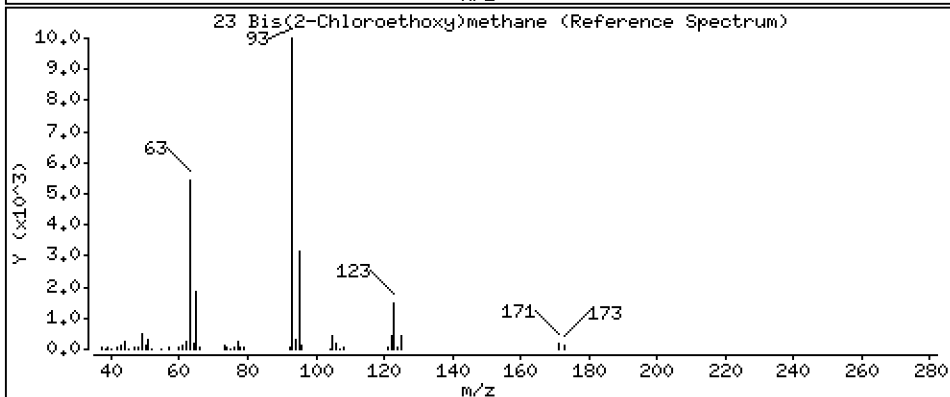
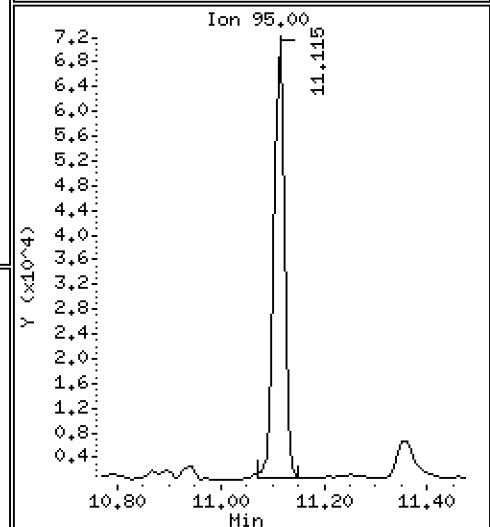
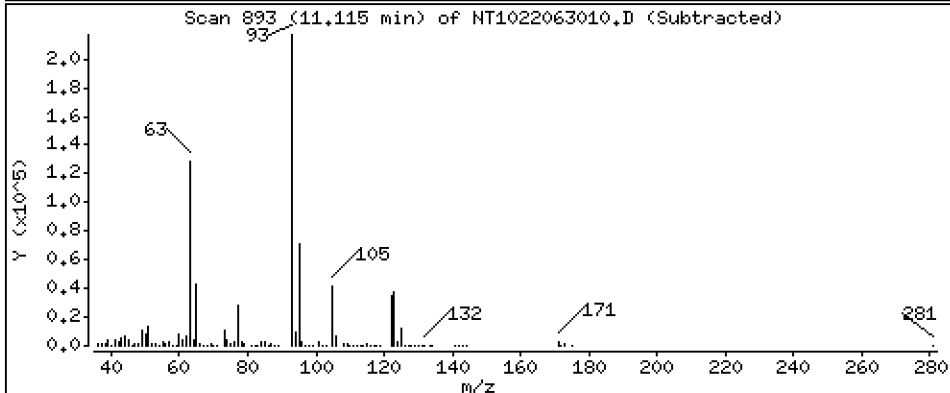
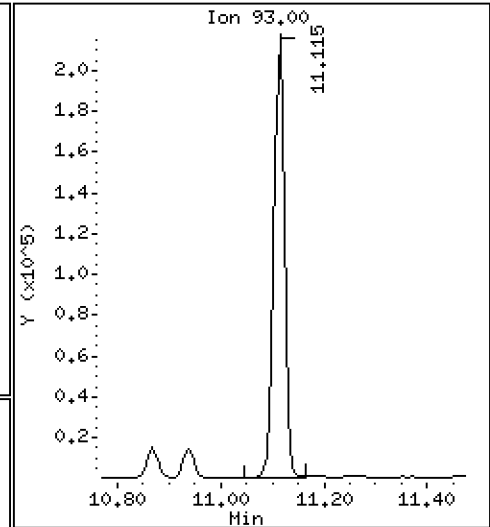
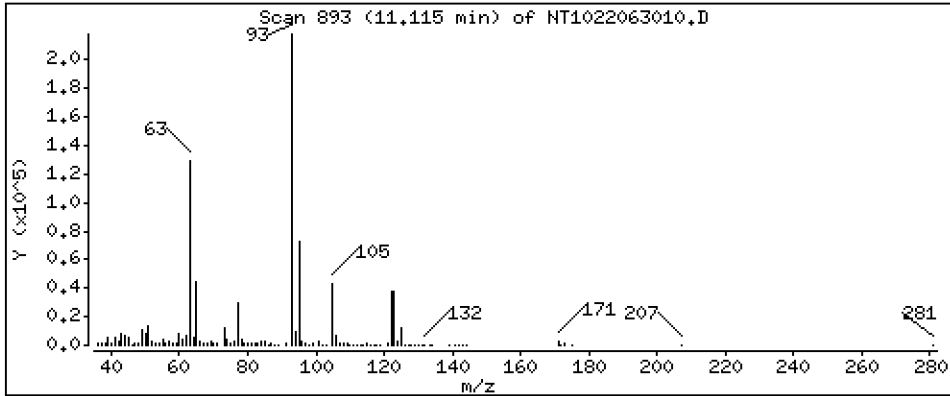
Operator: VTS

Column phase: ZB-5msi

Column diameter: 0,25

23 Bis(2-Chloroethoxy)methane

Concentration: 4,458 ug/mL



Date : 30-JUN-2022 19:23

Client ID:

Instrument: nt10.i

Sample Info: BKF0469-MSD1

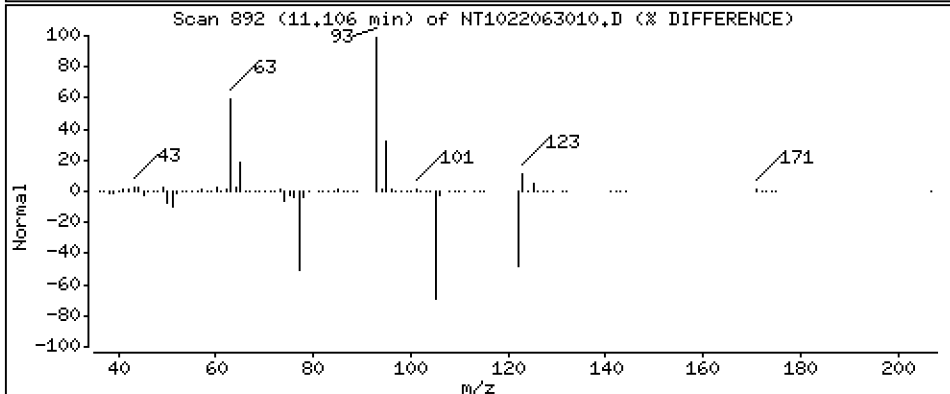
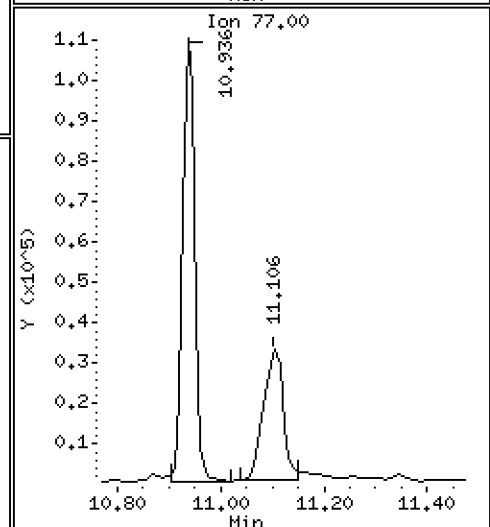
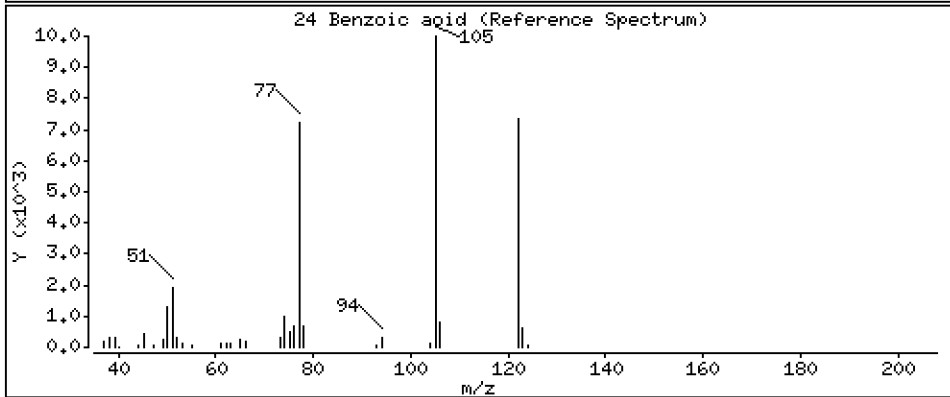
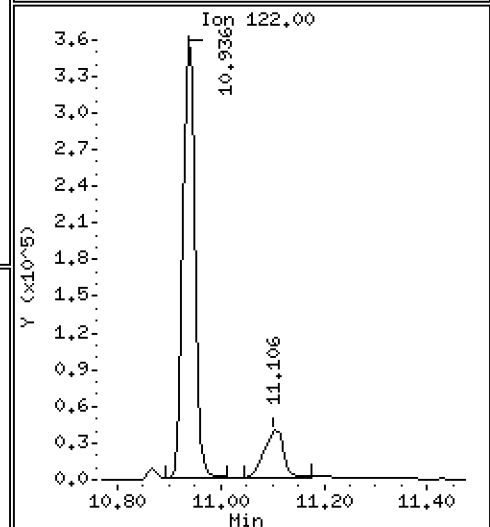
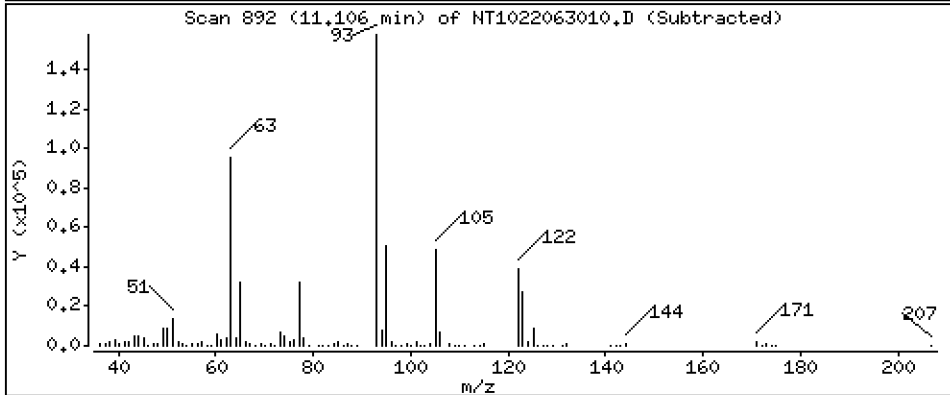
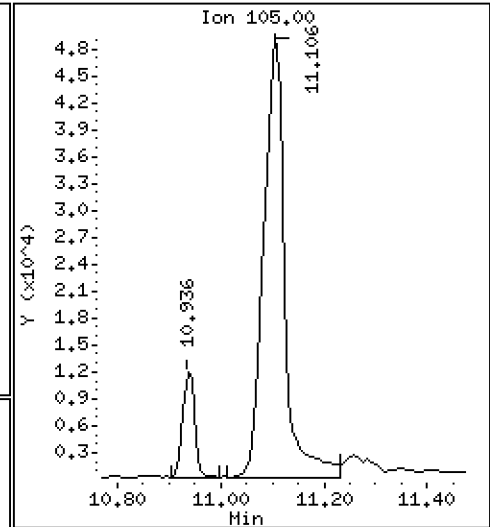
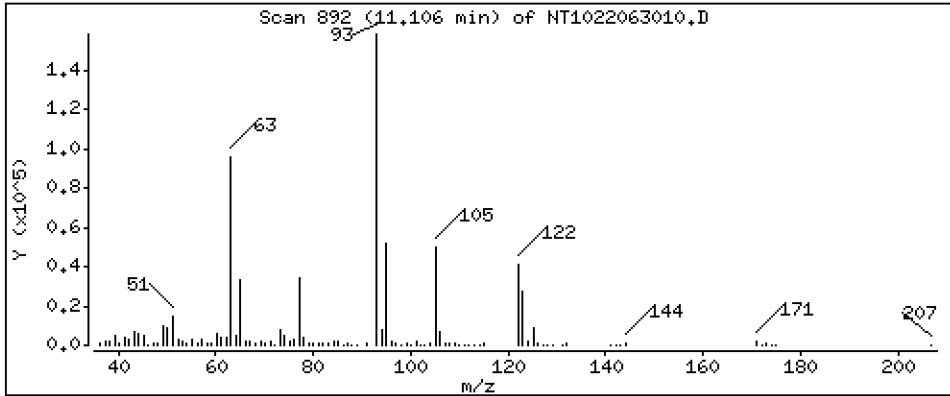
Operator: VTS

Column phase: ZB-5msi

Column diameter: 0,25

24 Benzoic acid

Concentration: 4,355 ug/mL



Date : 30-JUN-2022 19:23

Client ID:

Instrument: nt10.i

Sample Info: BKF0469-MSD1

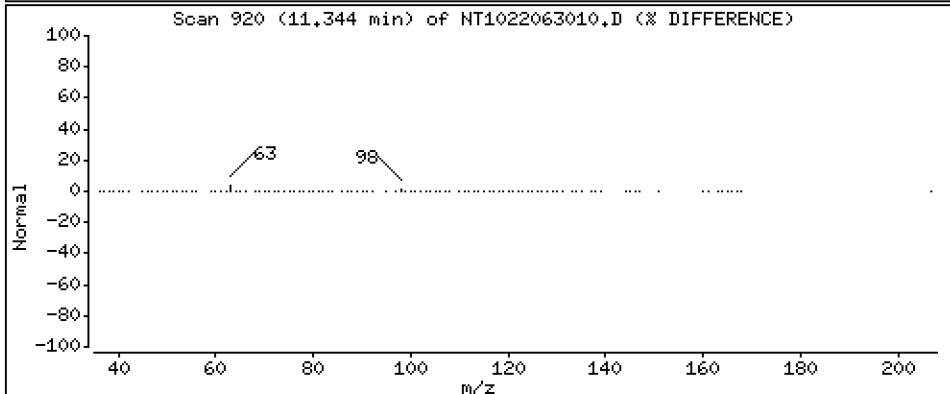
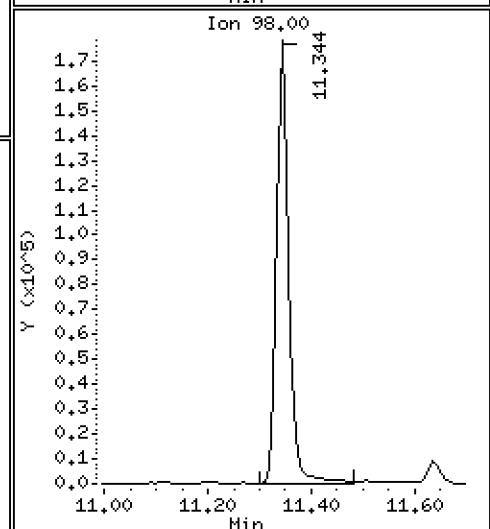
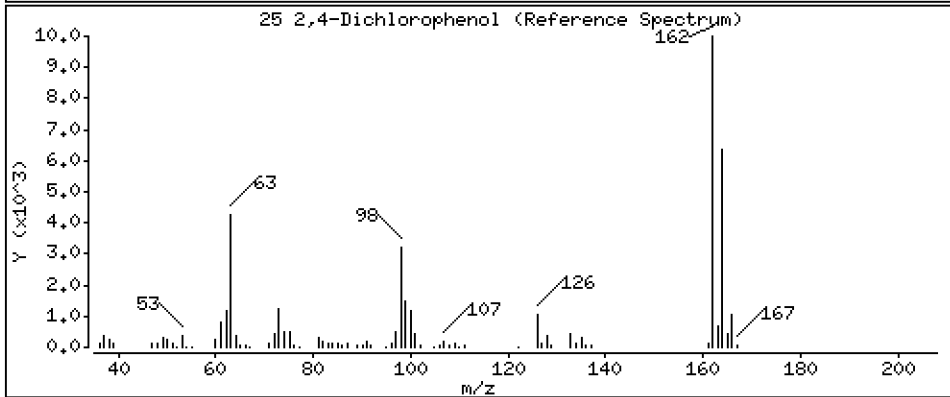
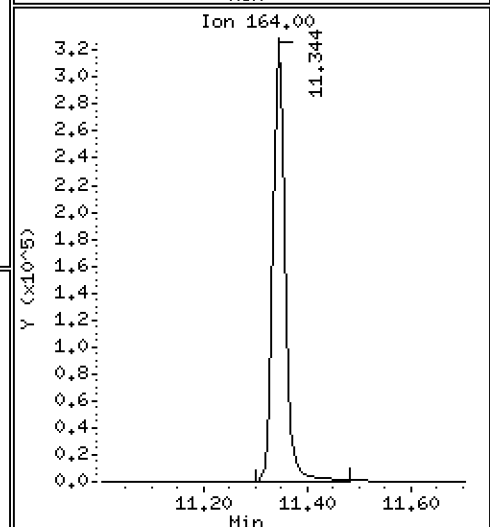
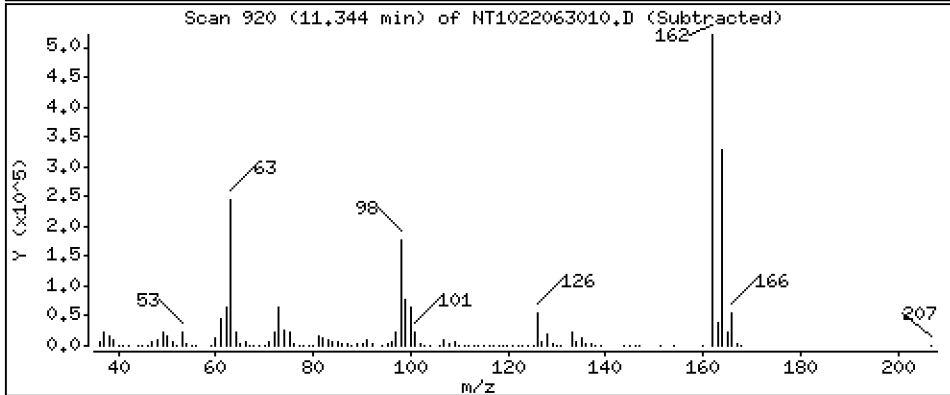
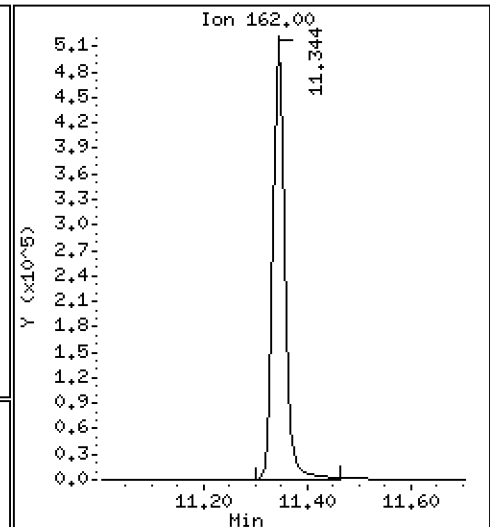
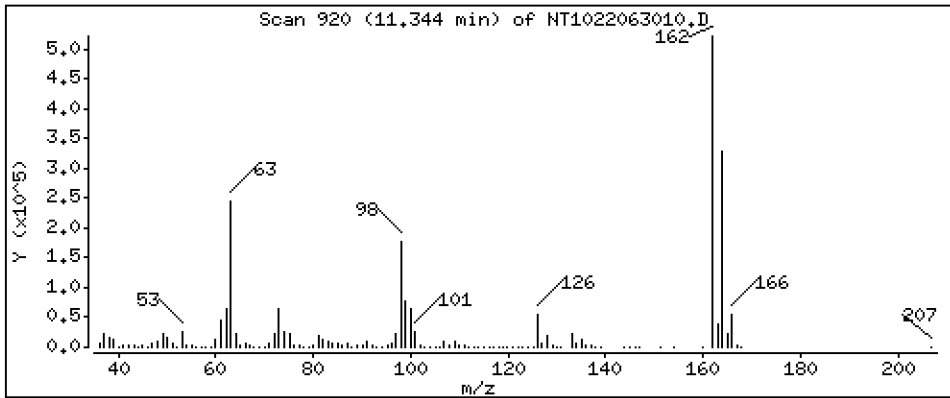
Operator: VTS

Column phase: ZB-5msi

Column diameter: 0,25

25 2,4-Dichlorophenol

Concentration: 14,39 ug/mL



Date : 30-JUN-2022 19:23

Client ID:

Instrument: nt10.i

Sample Info: BKF0469-MSD1

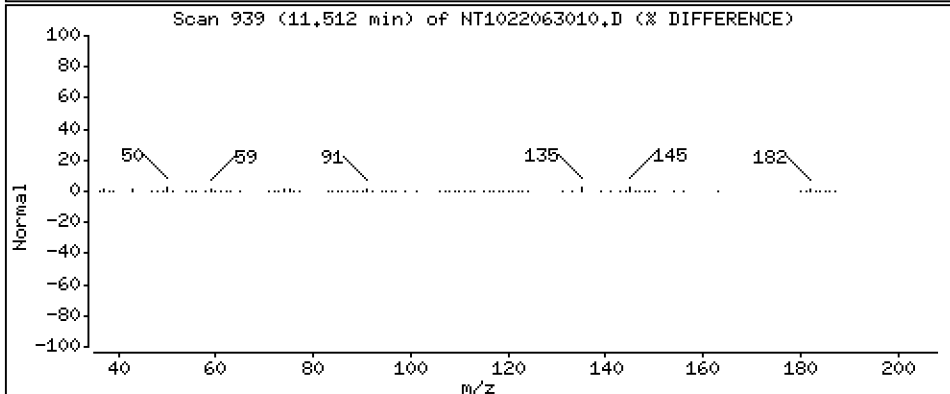
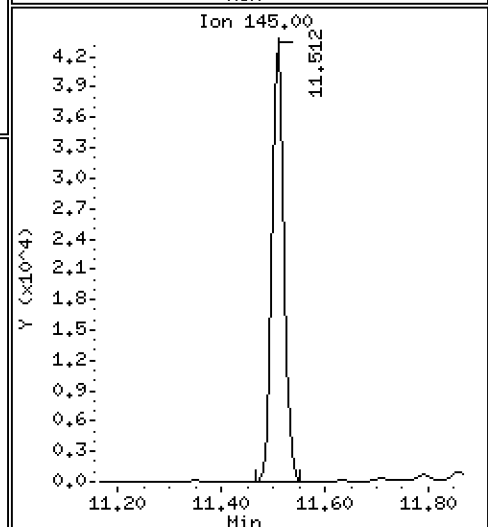
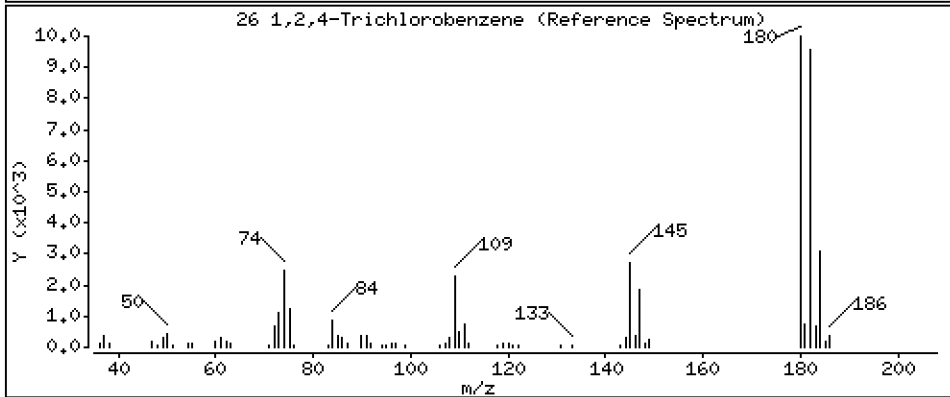
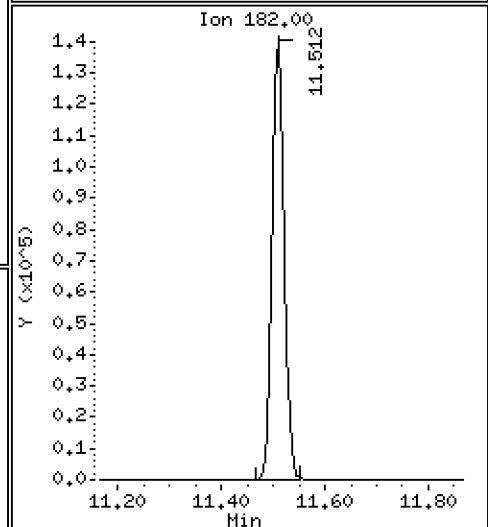
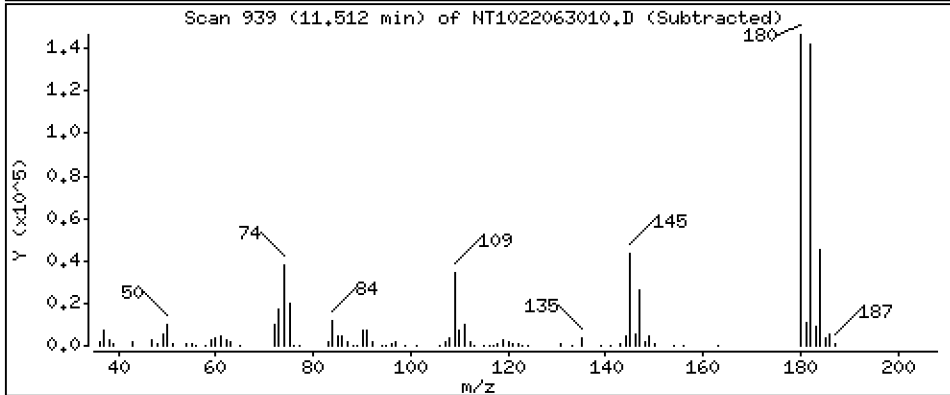
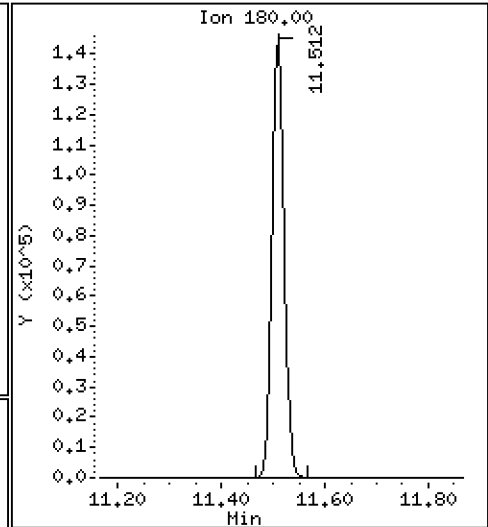
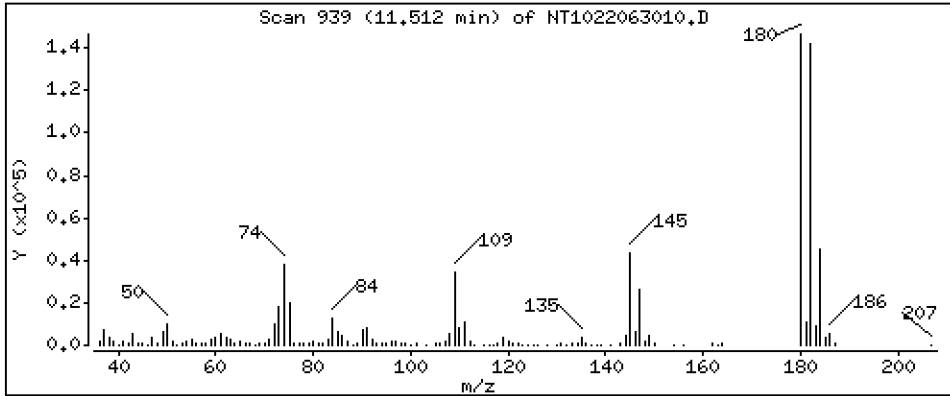
Operator: VTS

Column phase: ZB-5msi

Column diameter: 0,25

26 1,2,4-Trichlorobenzene

Concentration: 3,573 ug/mL



Date : 30-JUN-2022 19:23

Client ID:

Instrument: nt10.i

Sample Info: BKF0469-MSD1

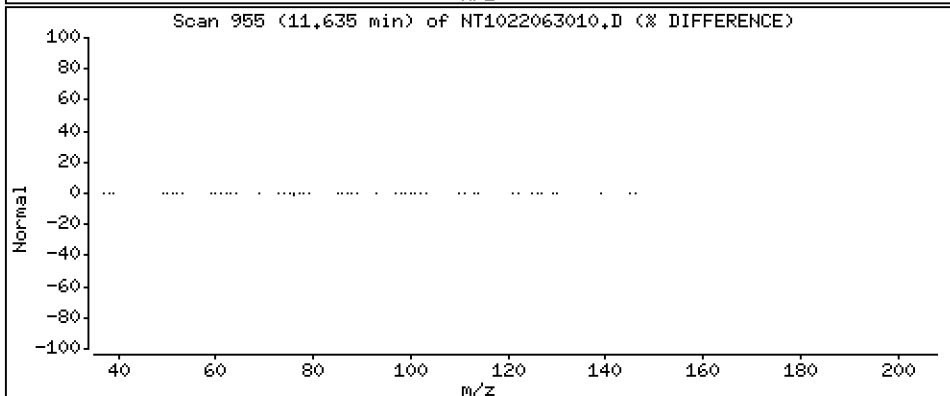
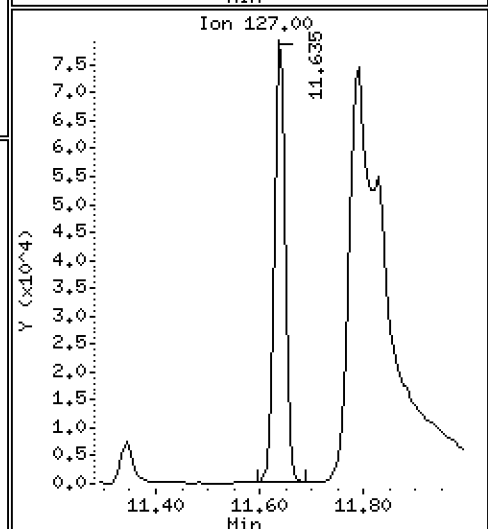
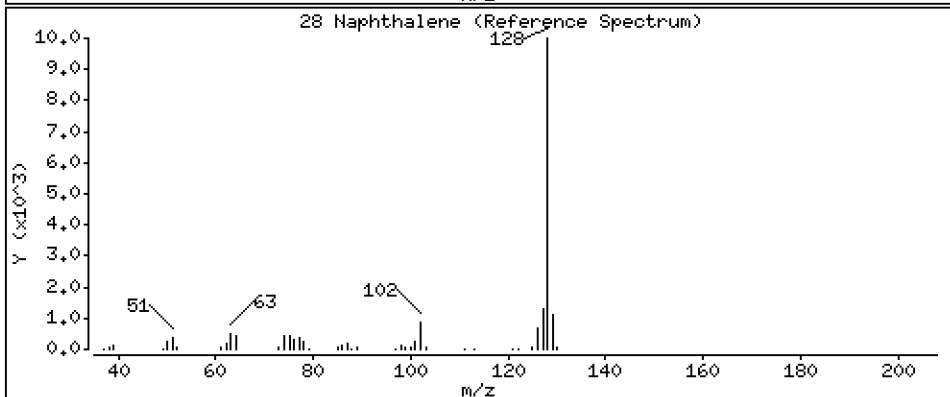
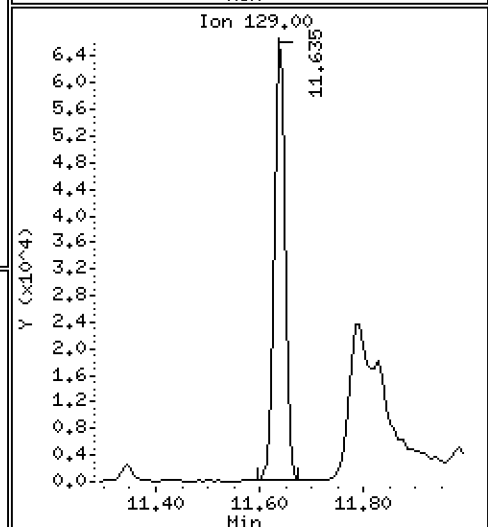
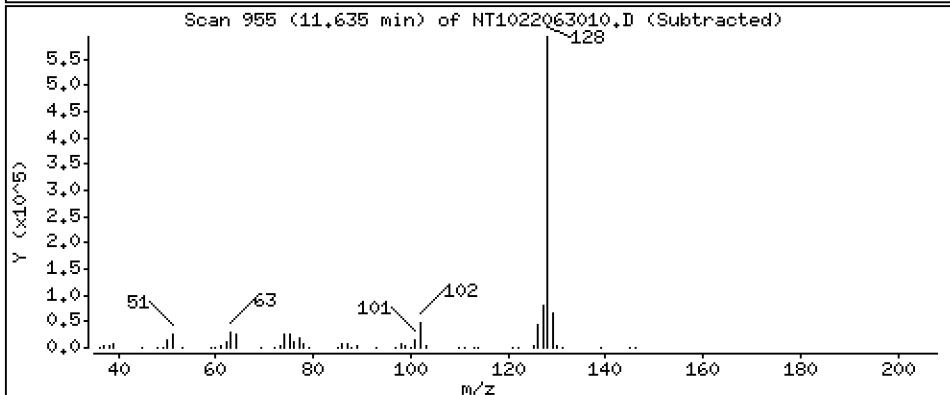
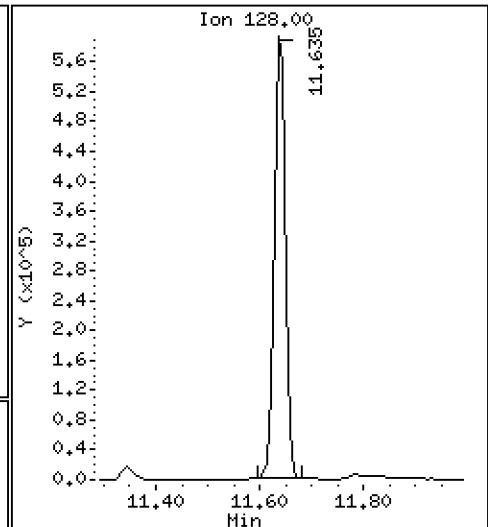
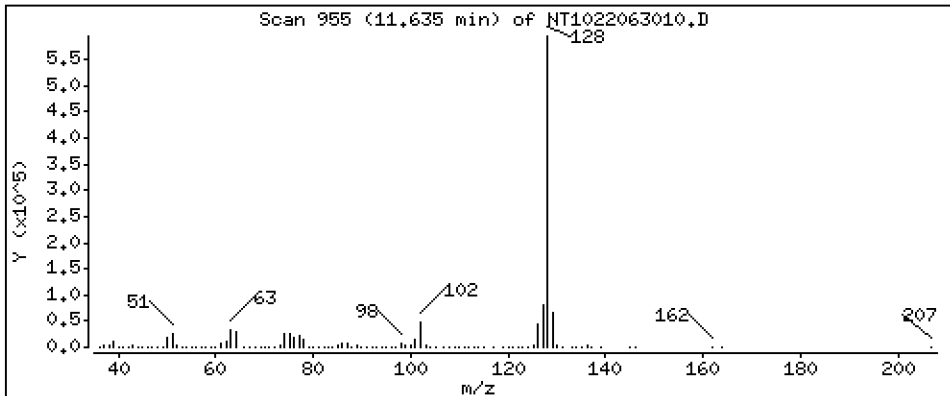
Operator: VTS

Column phase: ZB-5msi

Column diameter: 0,25

28 Naphthalene

Concentration: 4,761 ug/mL



Date : 30-JUN-2022 19:23

Client ID:

Instrument: nt10.i

Sample Info: BKF0469-MSD1

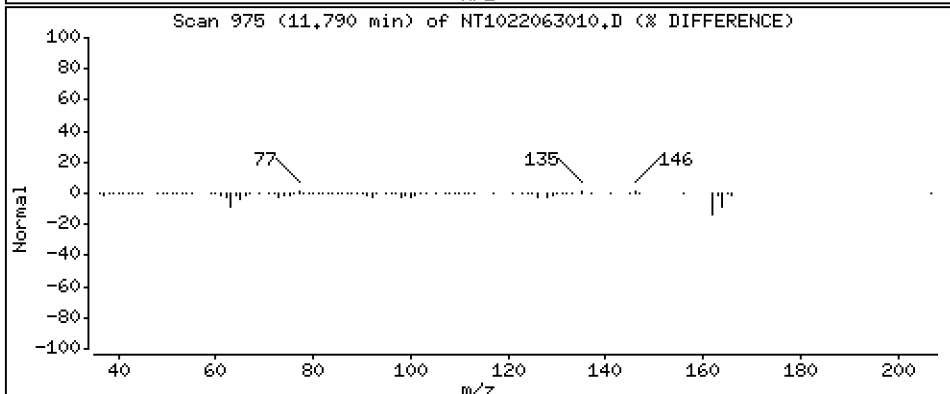
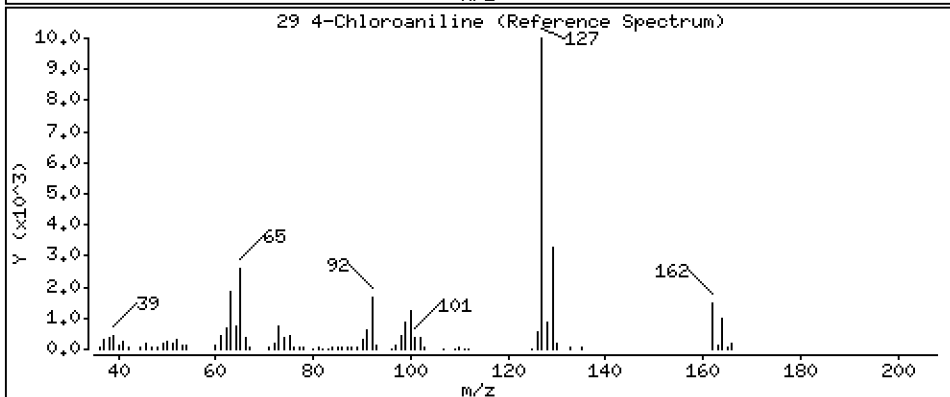
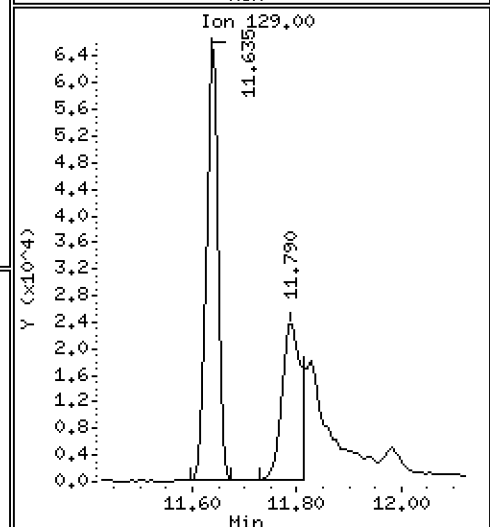
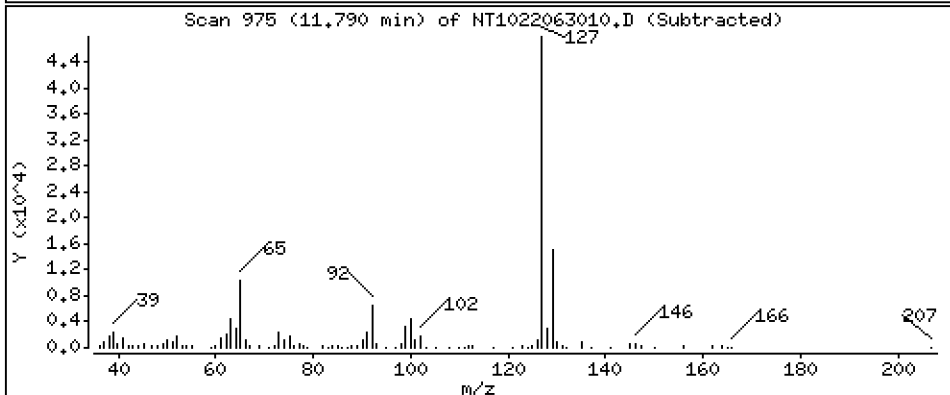
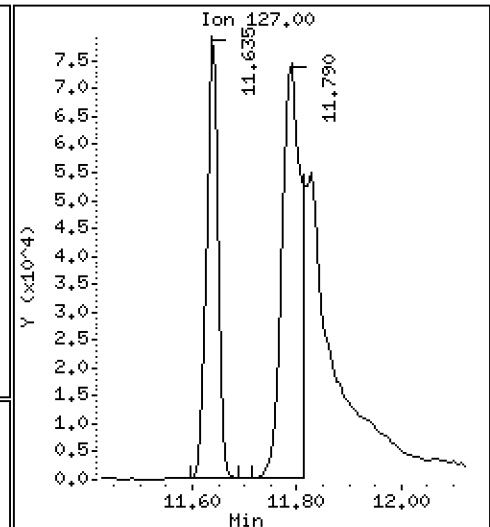
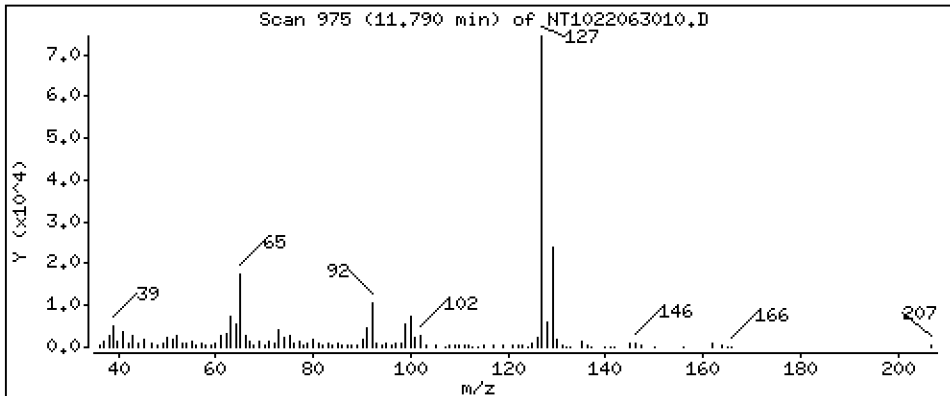
Operator: VTS

Column phase: ZB-5msi

Column diameter: 0,25

29 4-Chloroaniline

Concentration: 2,202 ug/mL



Date : 30-JUN-2022 19:23

Client ID:

Instrument: nt10.i

Sample Info: BKF0469-MSD1

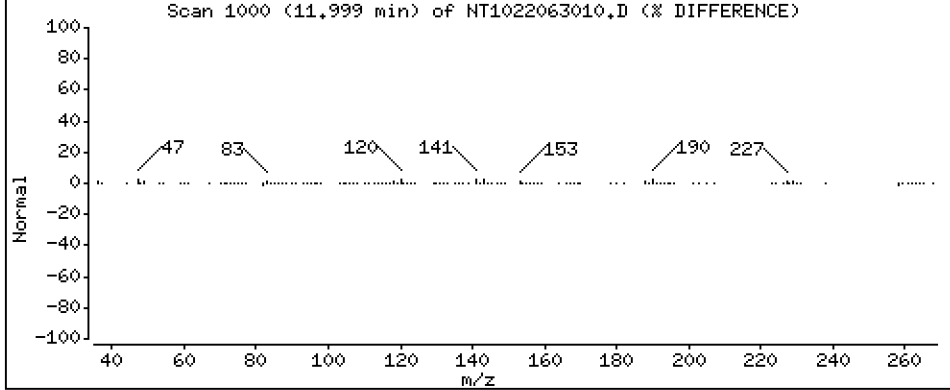
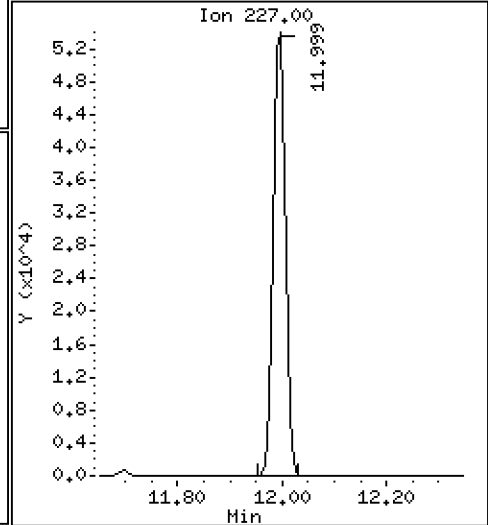
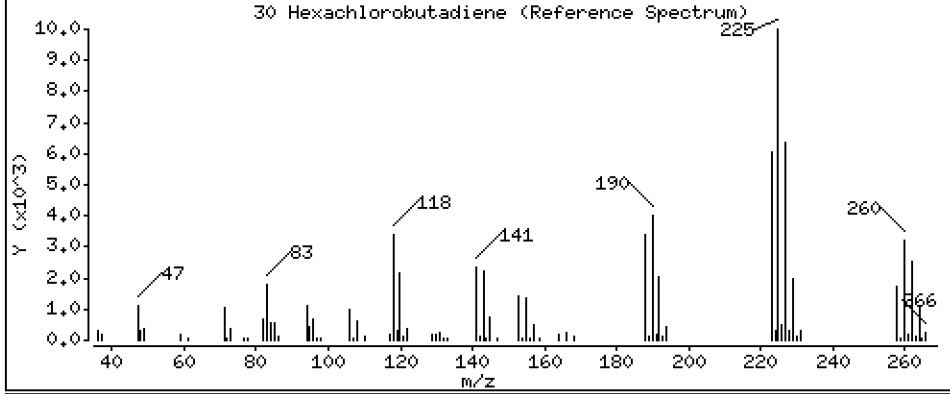
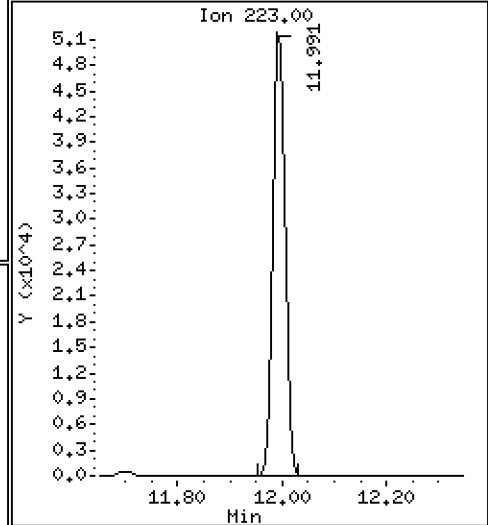
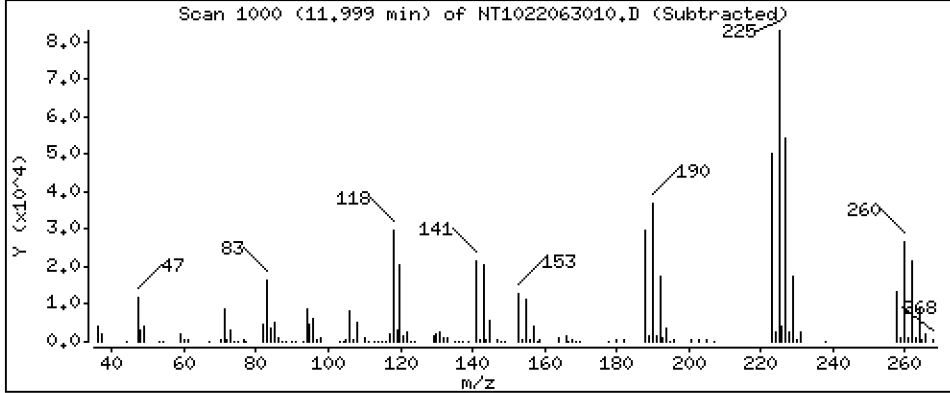
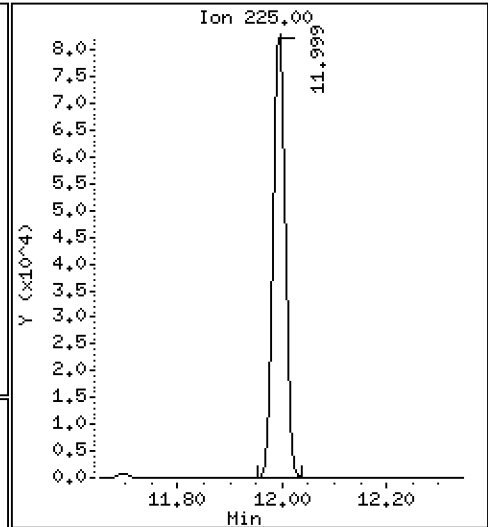
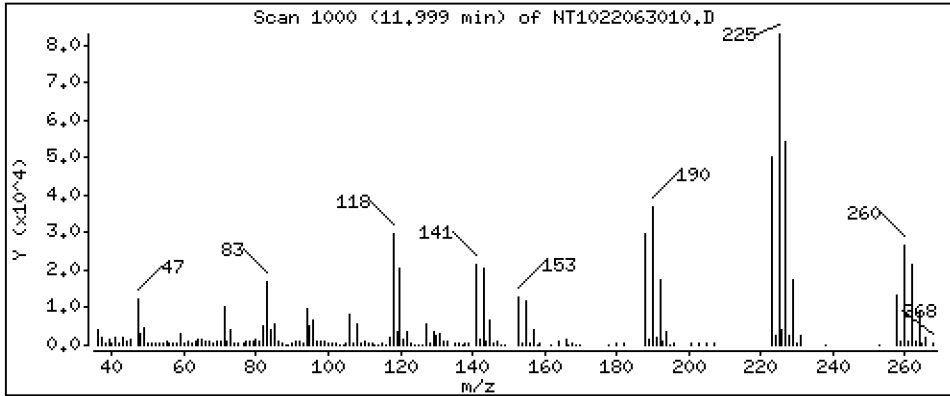
Operator: VTS

Column phase: ZB-5msi

Column diameter: 0,25

30 Hexachlorobutadiene

Concentration: 4,042 ug/mL



Date : 30-JUN-2022 19:23

Client ID:

Instrument: nt10.i

Sample Info: BKF0469-MSD1

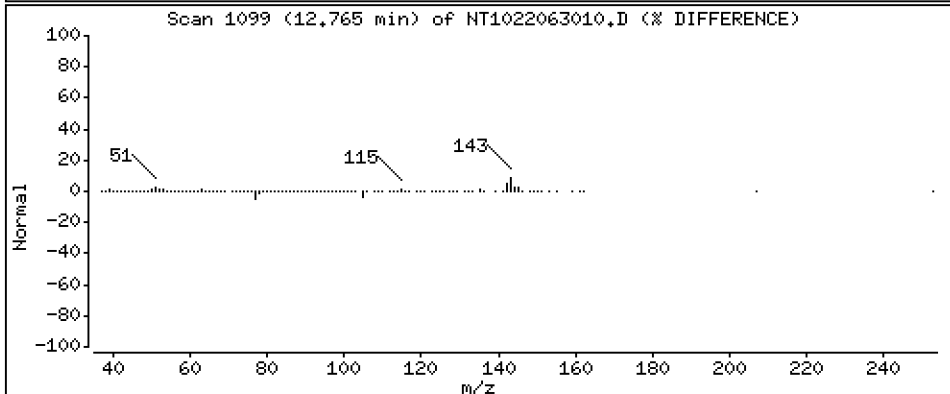
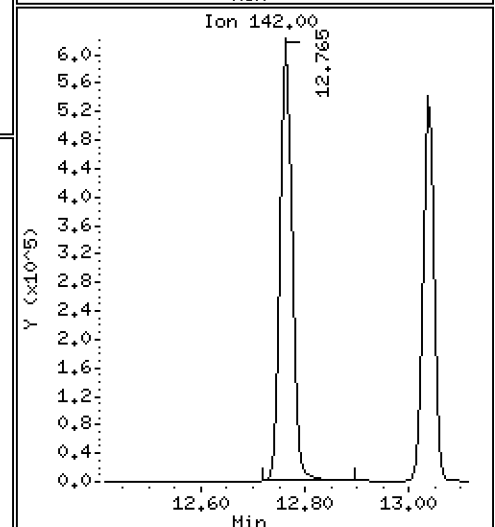
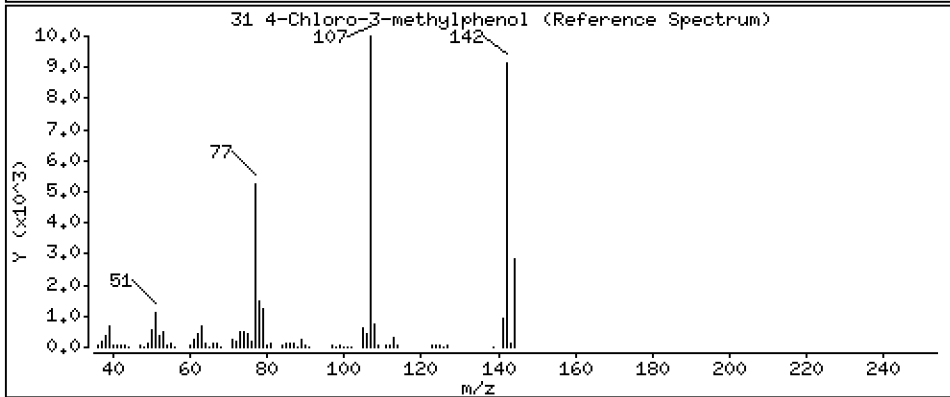
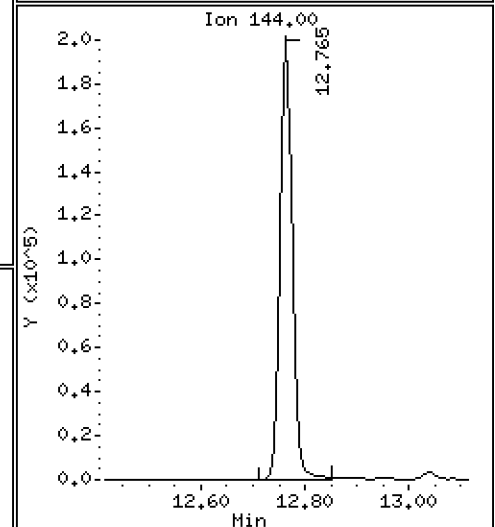
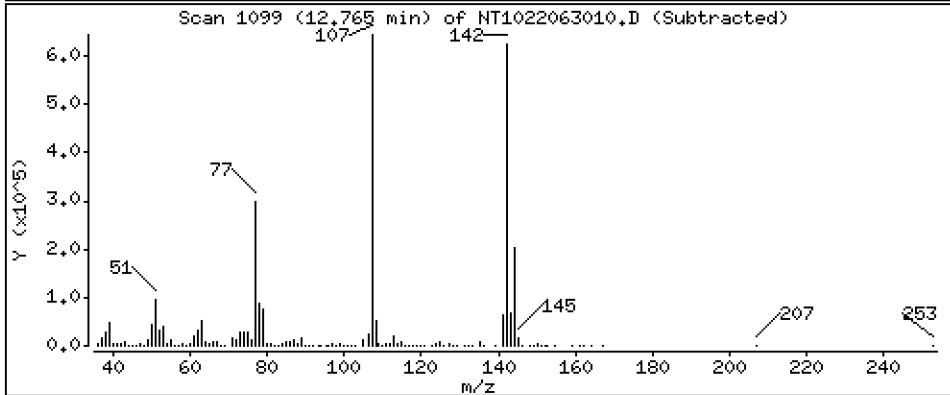
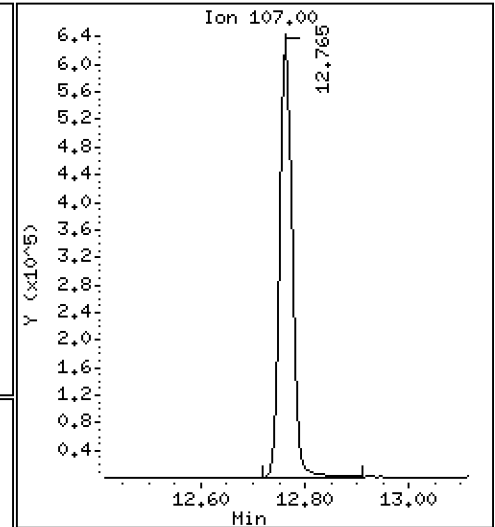
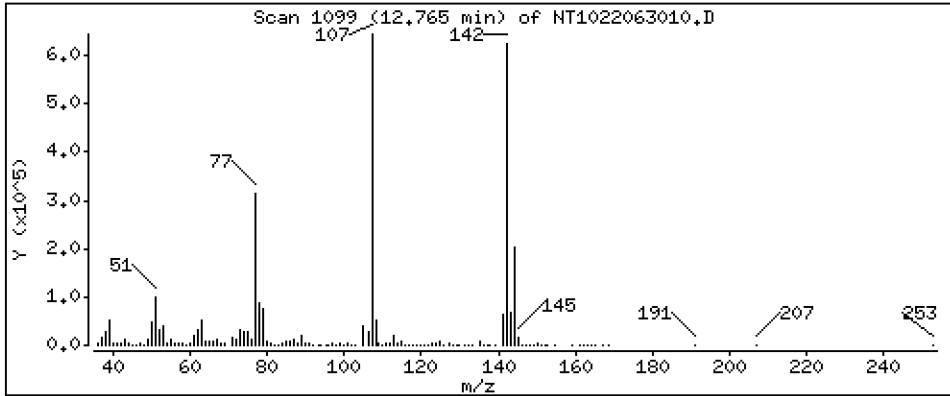
Operator: VTS

Column phase: ZB-5msi

Column diameter: 0,25

31 4-Chloro-3-methylphenol

Concentration: 13,00 ug/mL



Date : 30-JUN-2022 19:23

Client ID:

Instrument: nt10.i

Sample Info: BKF0469-MSD1

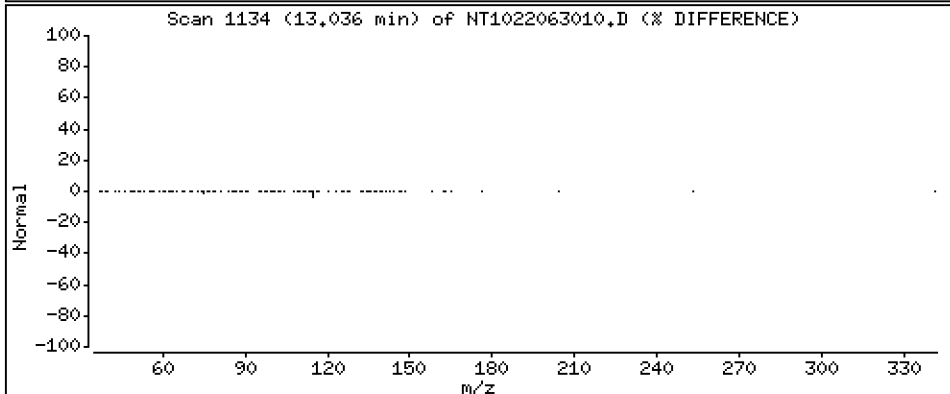
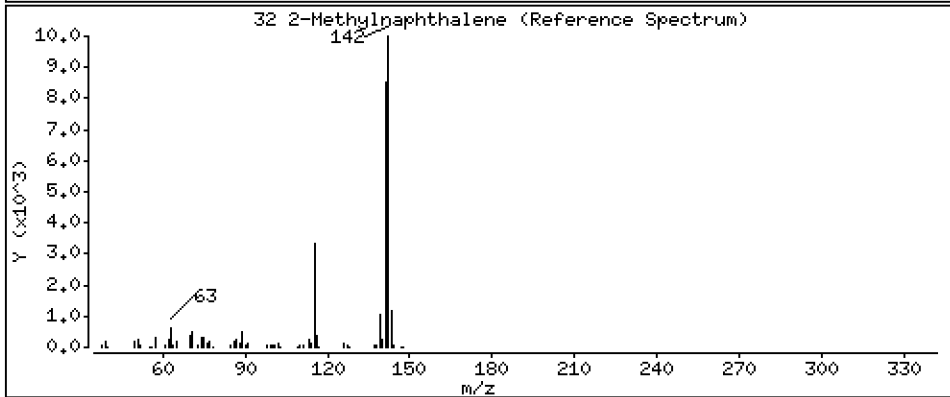
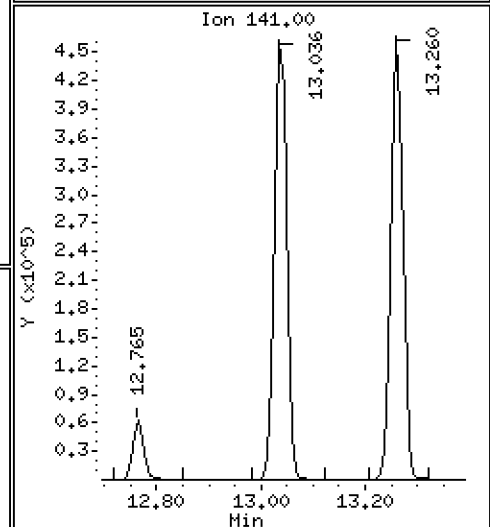
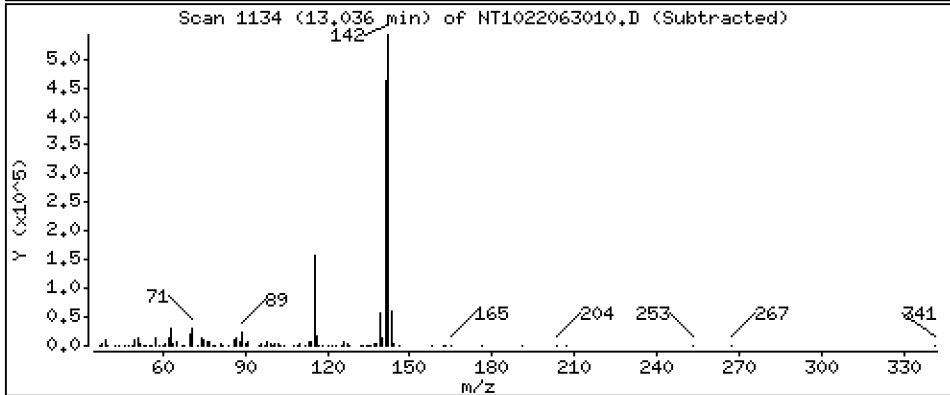
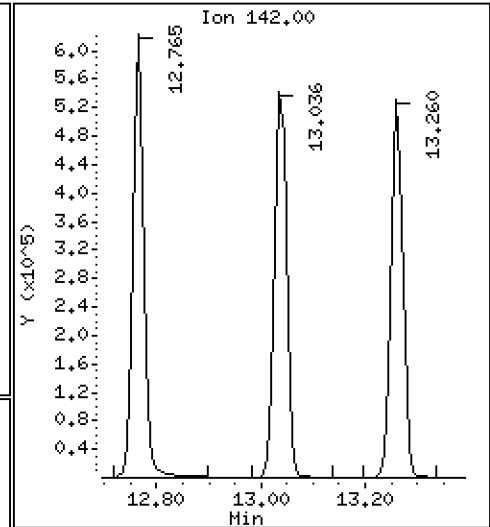
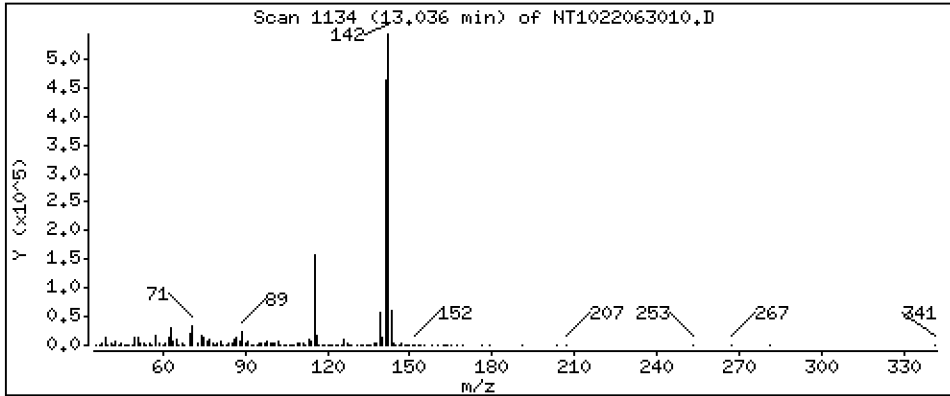
Operator: VTS

Column phase: ZB-5msi

Column diameter: 0,25

32 2-Methylnaphthalene

Concentration: 4,391 ug/mL



Date : 30-JUN-2022 19:23

Client ID:

Instrument: nt10.i

Sample Info: BKF0469-MSD1

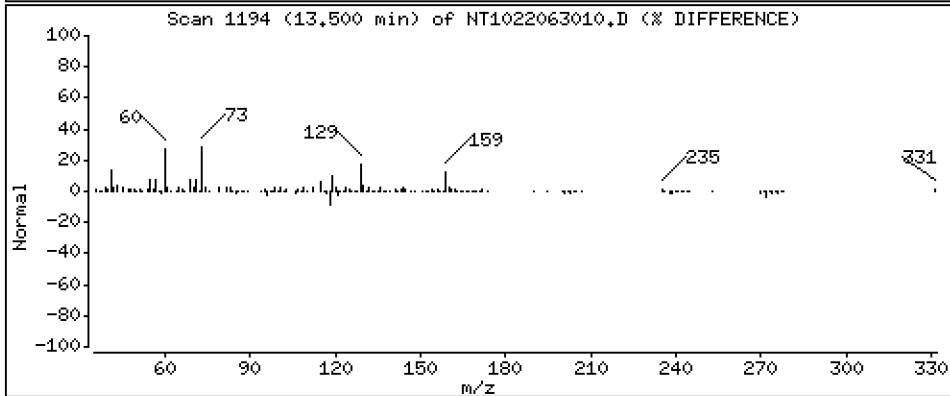
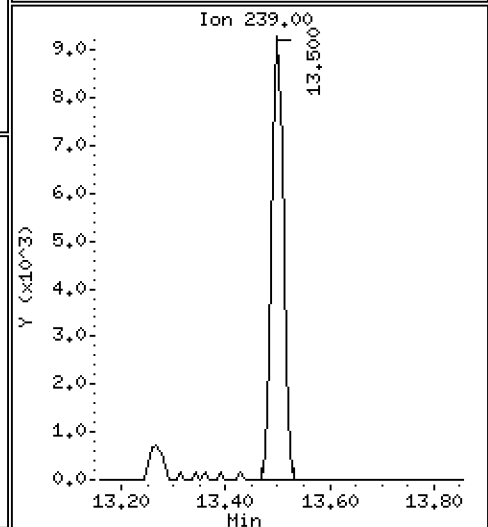
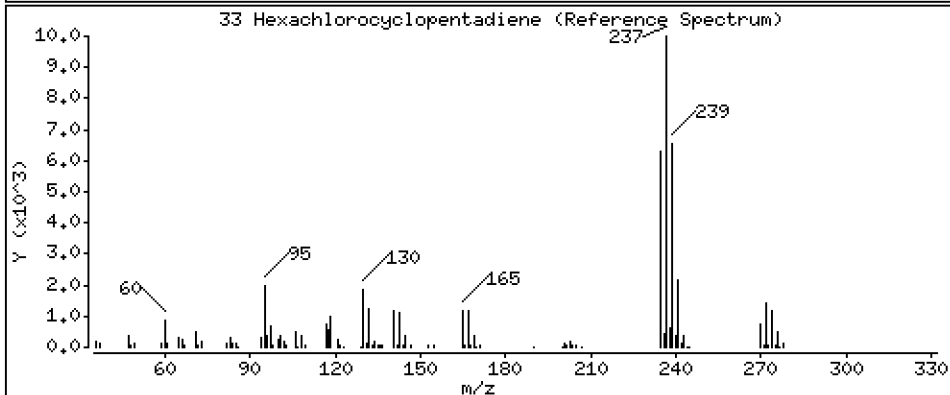
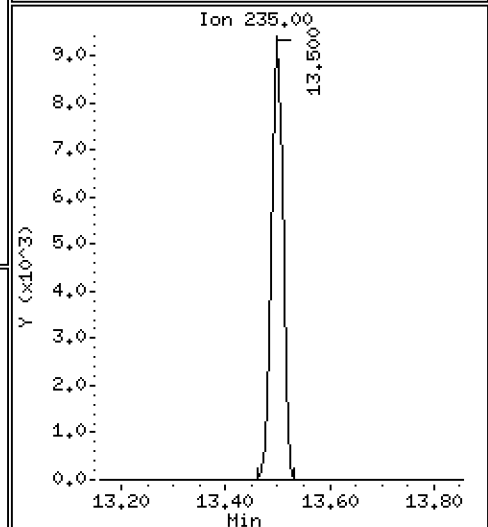
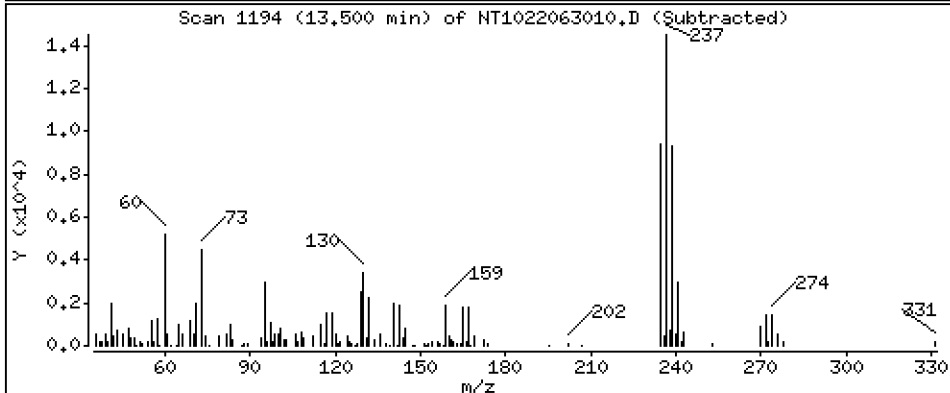
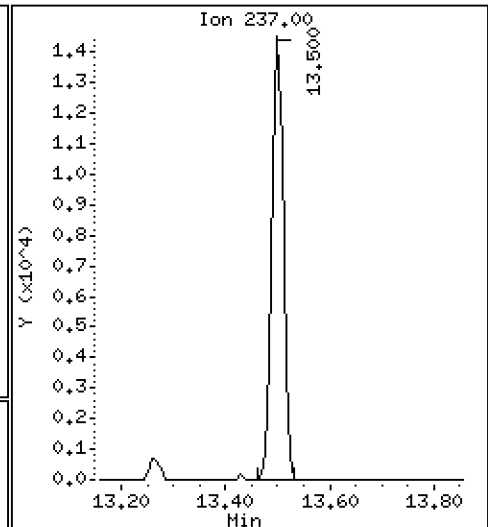
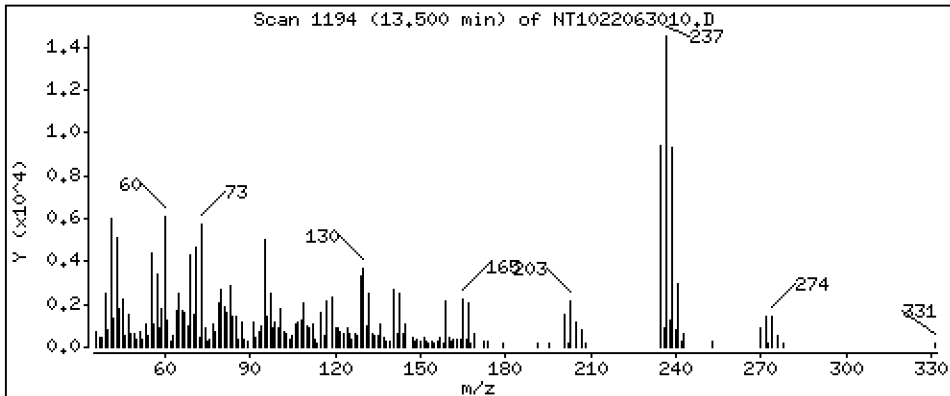
Operator: VTS

Column phase: ZB-5msi

Column diameter: 0,25

33 Hexachlorocyclopentadiene

Concentration: 0,8967 ug/mL



Date : 30-JUN-2022 19:23

Client ID:

Instrument: nt10.i

Sample Info: BKF0469-MSD1

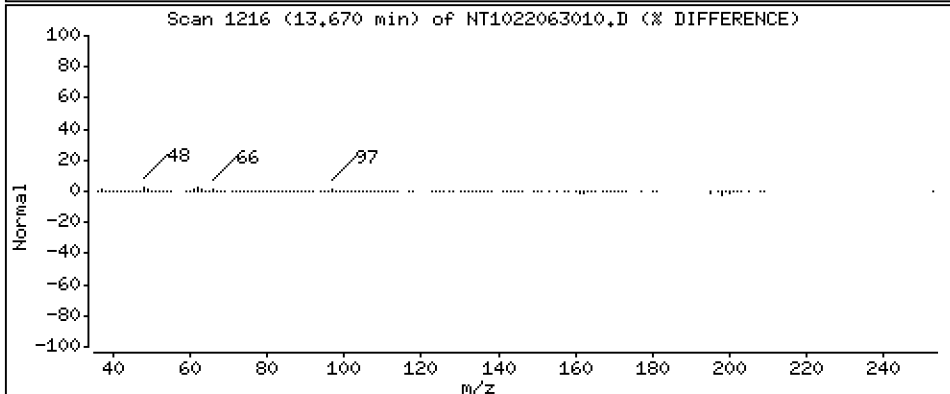
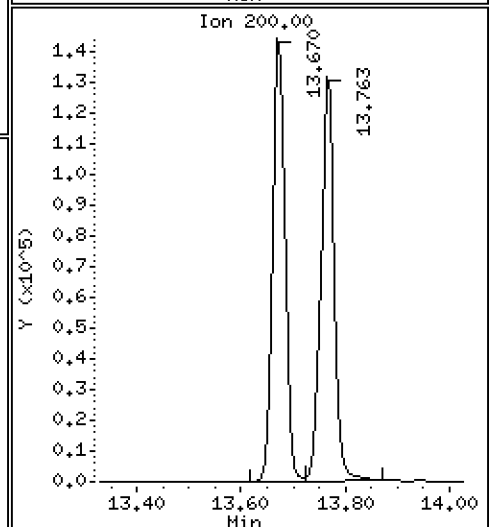
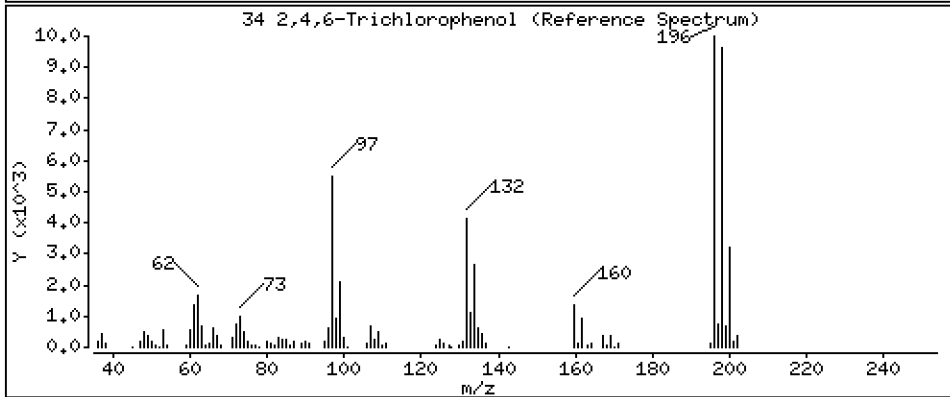
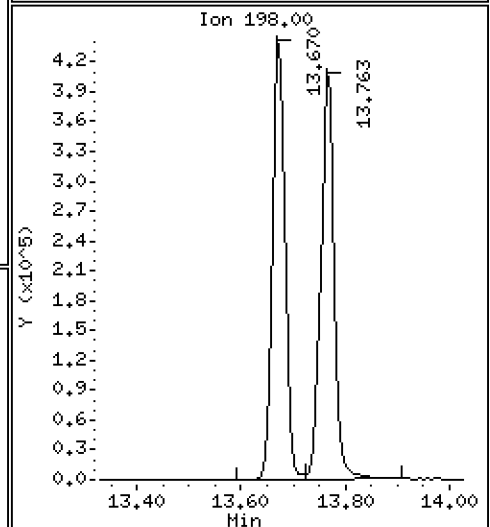
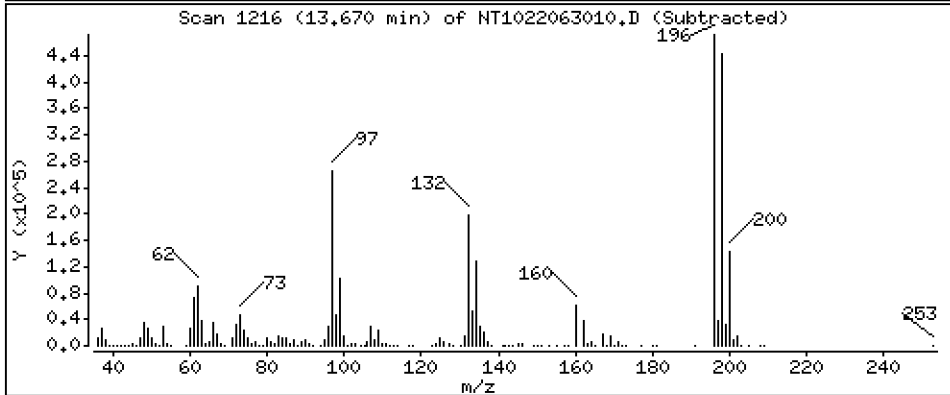
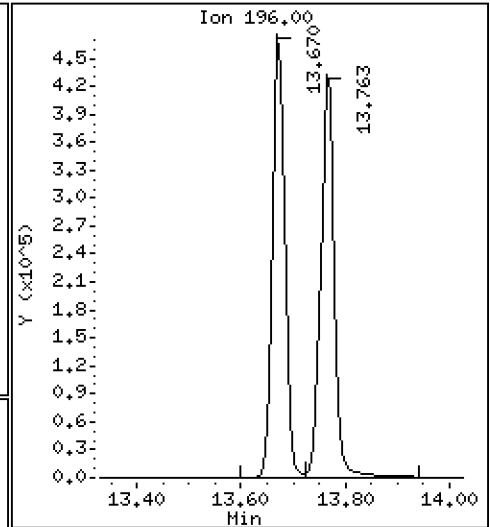
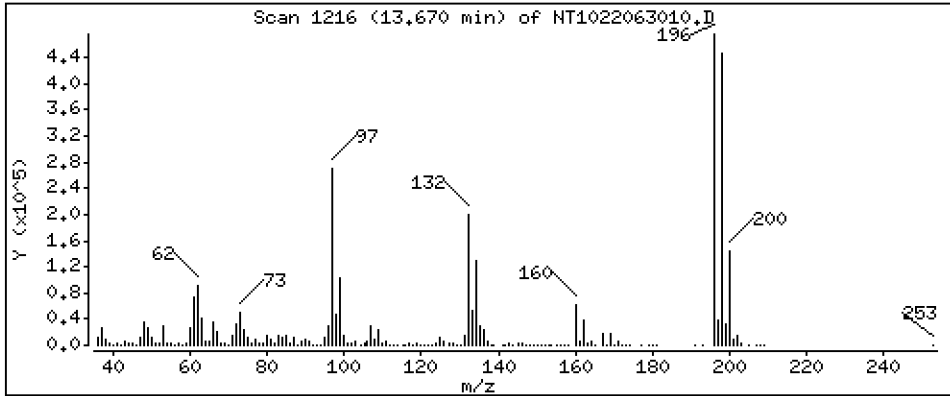
Operator: VTS

Column phase: ZB-5msi

Column diameter: 0,25

34 2,4,6-Trichlorophenol

Concentration: 16,40 ug/mL



Date : 30-JUN-2022 19:23

Client ID:

Instrument: nt10.i

Sample Info: BKF0469-MSD1

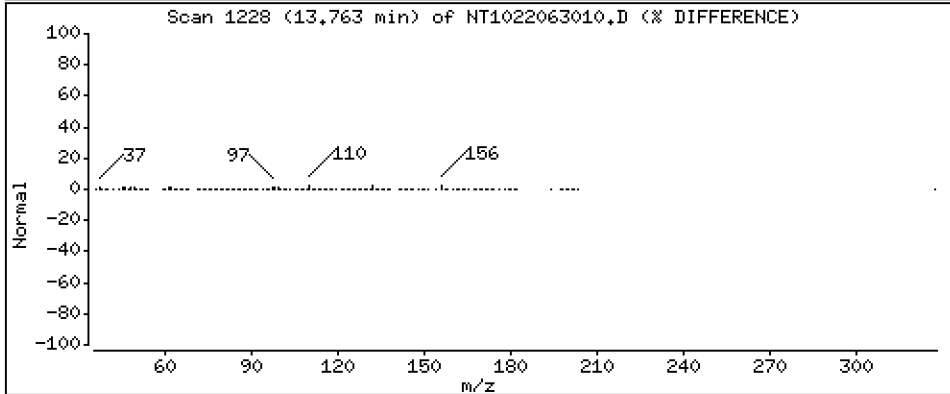
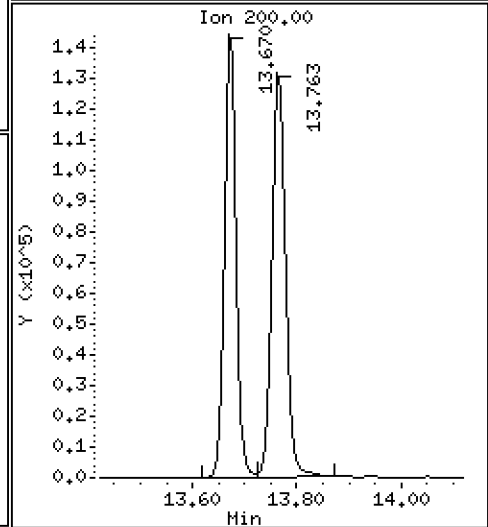
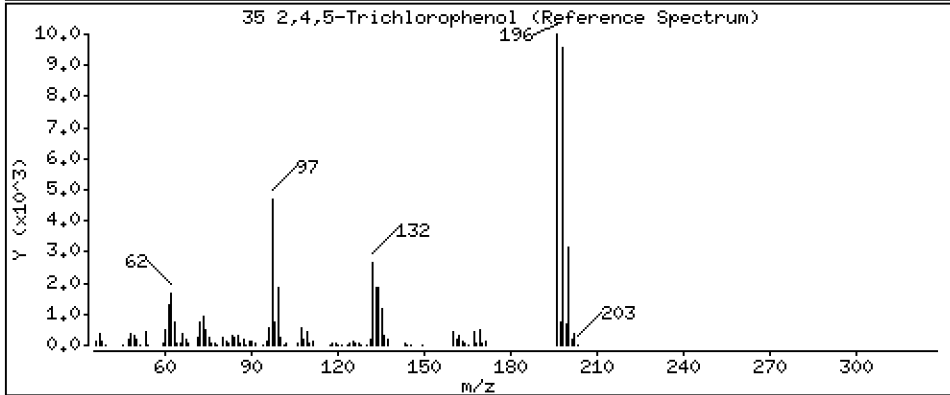
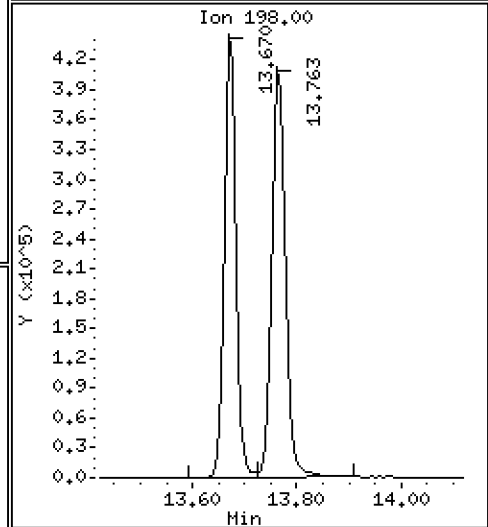
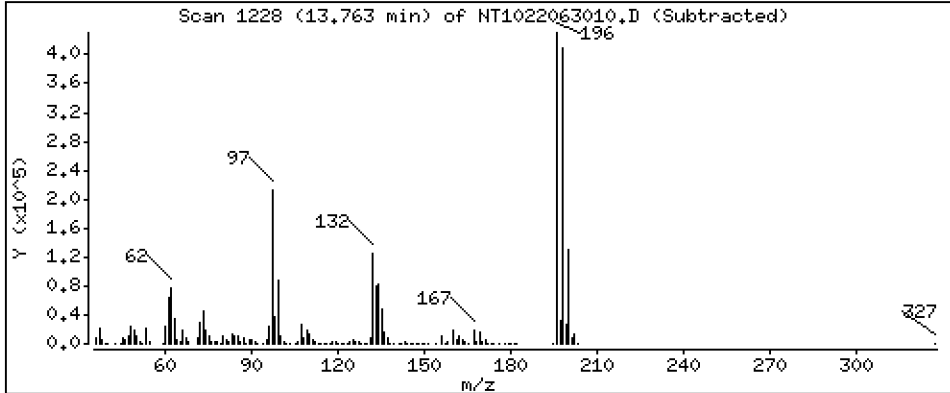
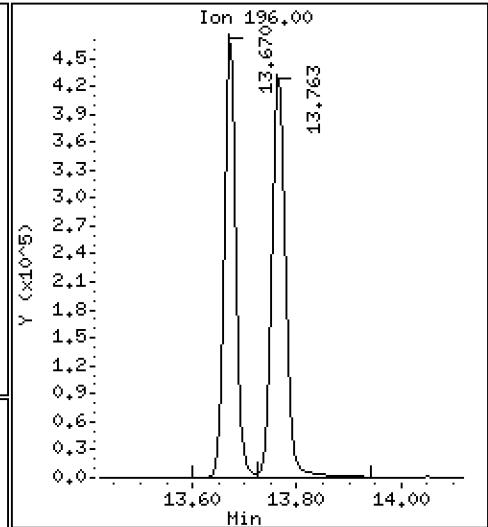
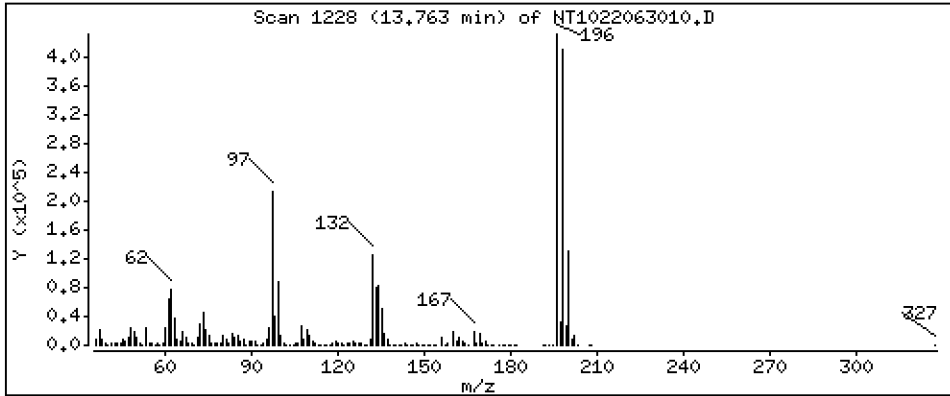
Operator: VTS

Column phase: ZB-5msi

Column diameter: 0,25

35 2,4,5-Trichlorophenol

Concentration: 13,94 ug/mL



Date : 30-JUN-2022 19:23

Client ID:

Instrument: nt10.i

Sample Info: BKF0469-MSD1

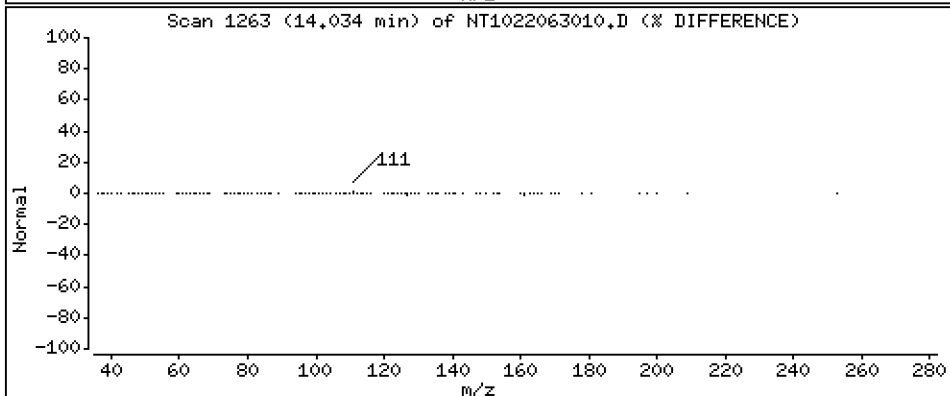
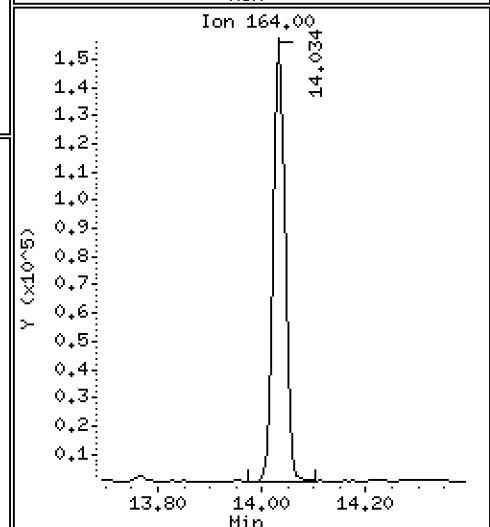
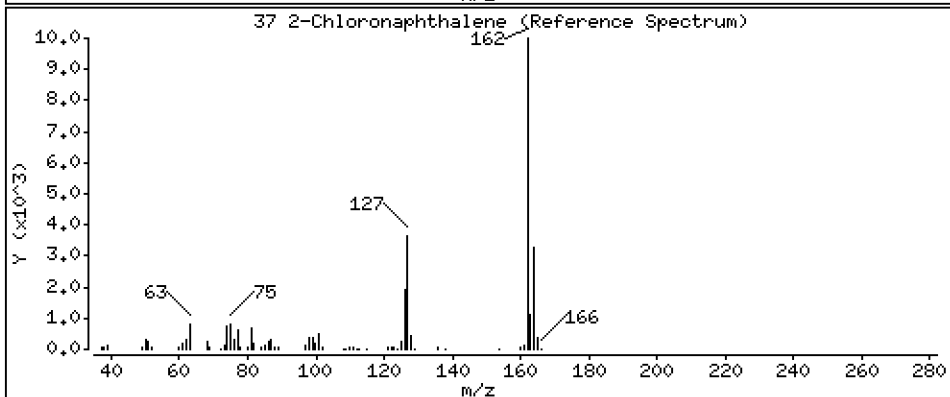
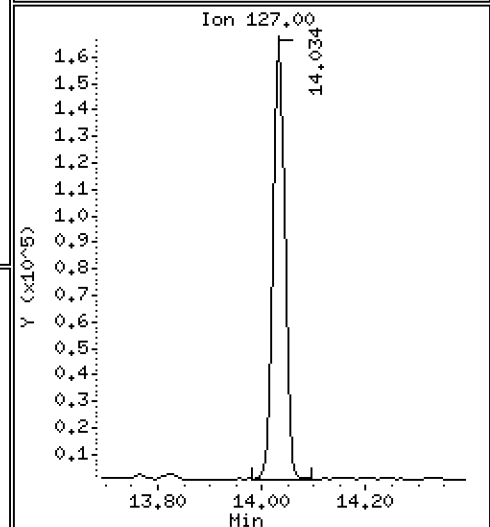
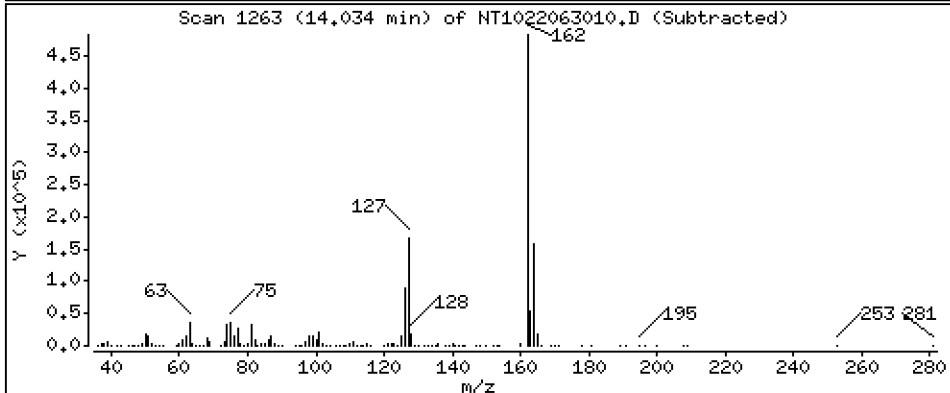
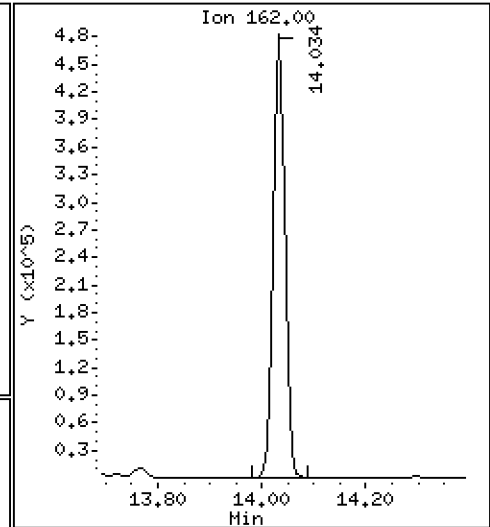
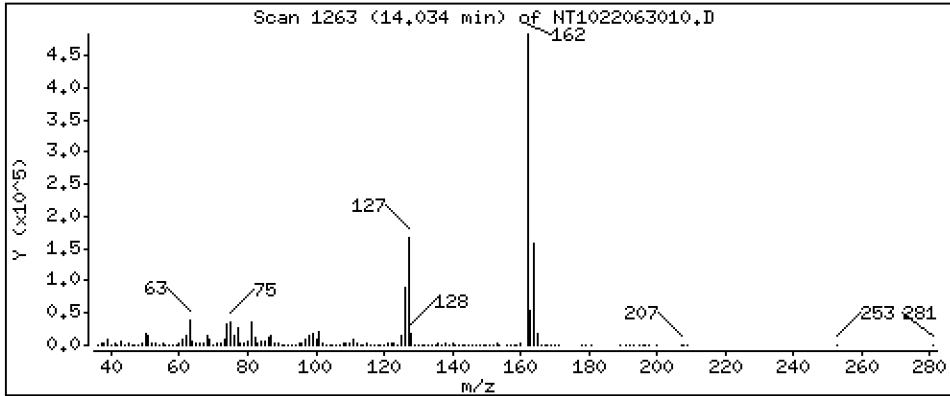
Operator: VTS

Column phase: ZB-5msi

Column diameter: 0,25

37 2-Chloronaphthalene

Concentration: 4,311 ug/mL



Date : 30-JUN-2022 19:23

Client ID:

Instrument: nt10.i

Sample Info: BKF0469-MSD1

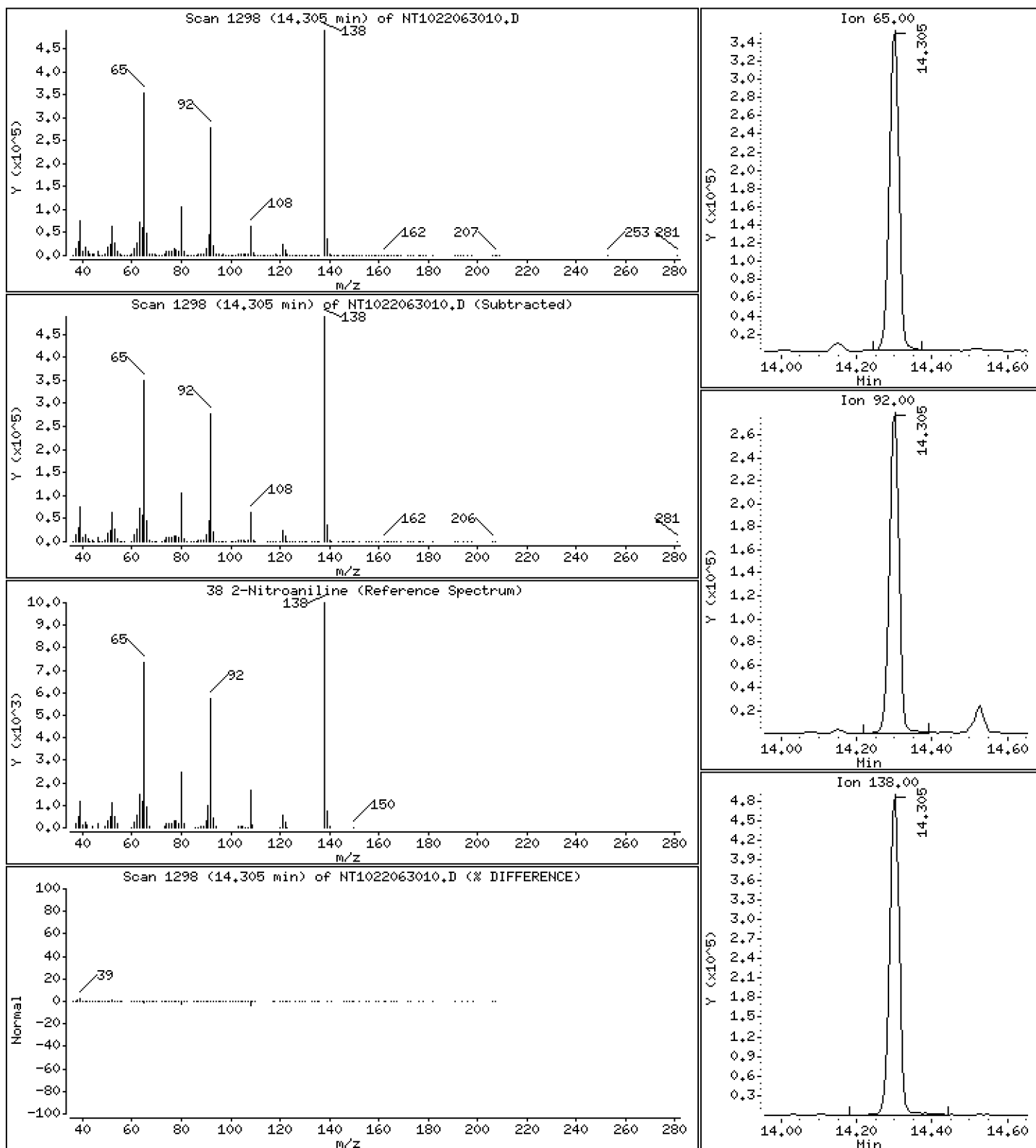
Operator: VTS

Column phase: ZB-5msi

Column diameter: 0,25

38 2-Nitroaniline

Concentration: 13,72 ug/mL



Date : 30-JUN-2022 19:23

Client ID:

Instrument: nt10.i

Sample Info: BKF0469-MSD1

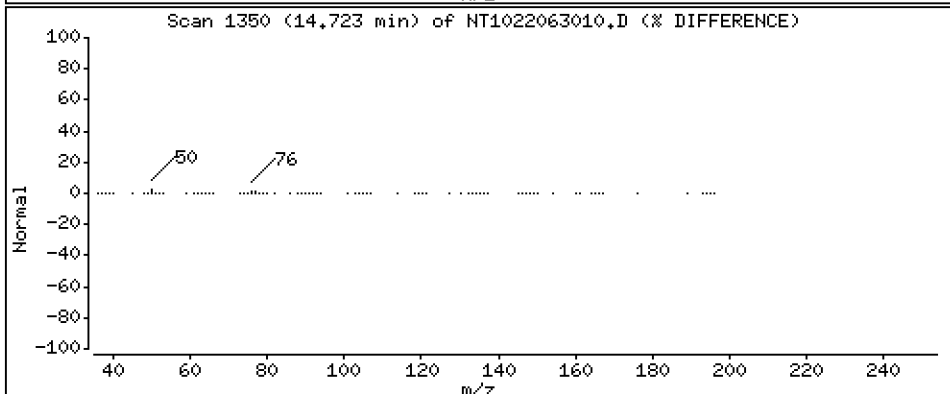
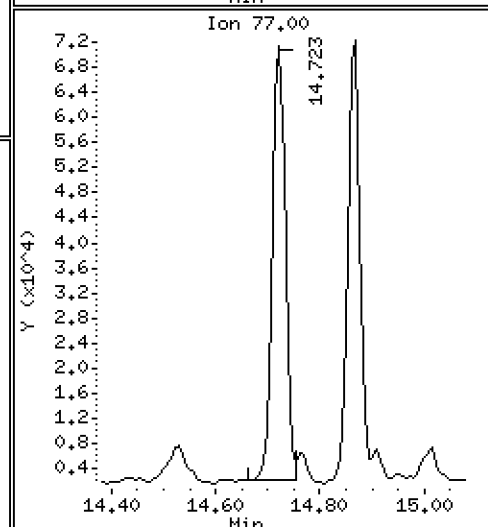
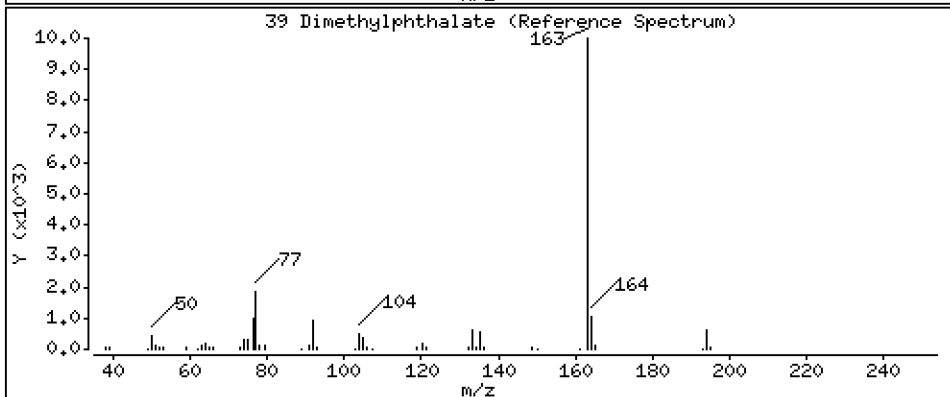
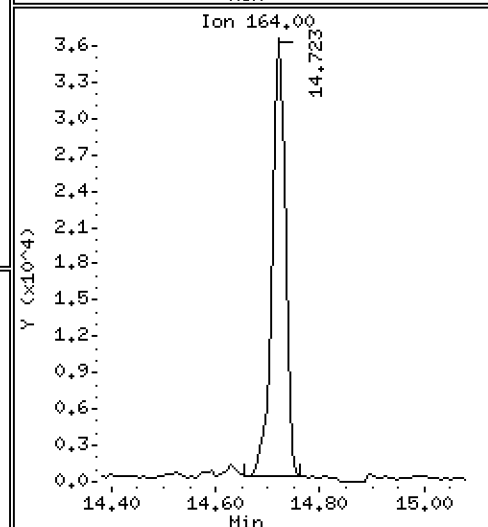
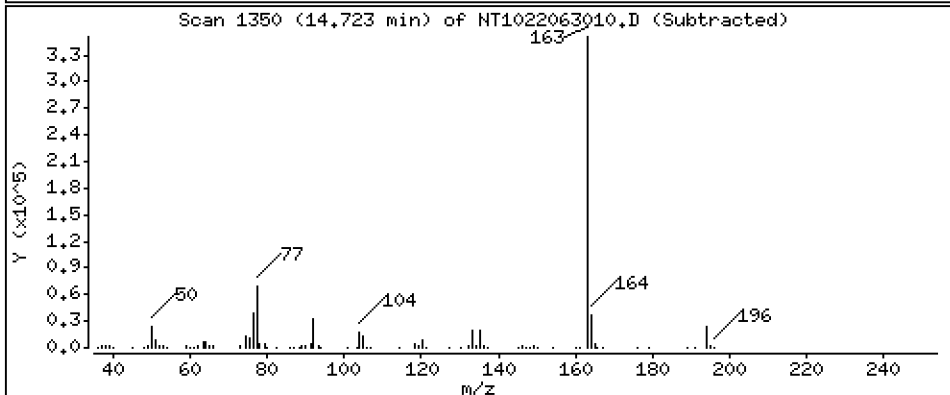
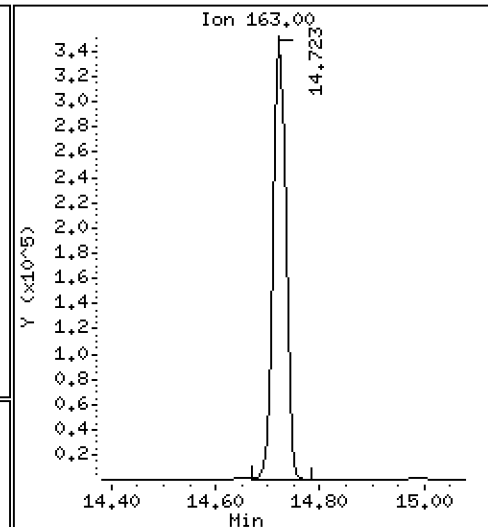
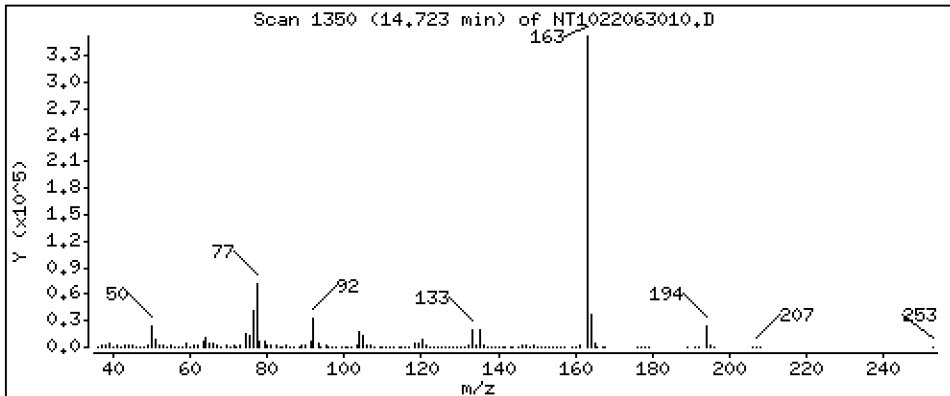
Operator: VTS

Column phase: ZB-5msi

Column diameter: 0.25

39 Dimethylphthalate

Concentration: 3.950 ug/mL



Date : 30-JUN-2022 19:23

Client ID:

Instrument: nt10.i

Sample Info: BKF0469-MSD1

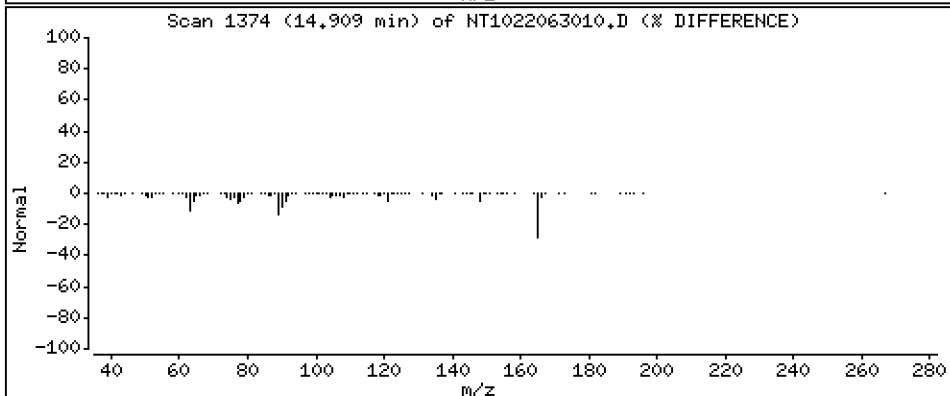
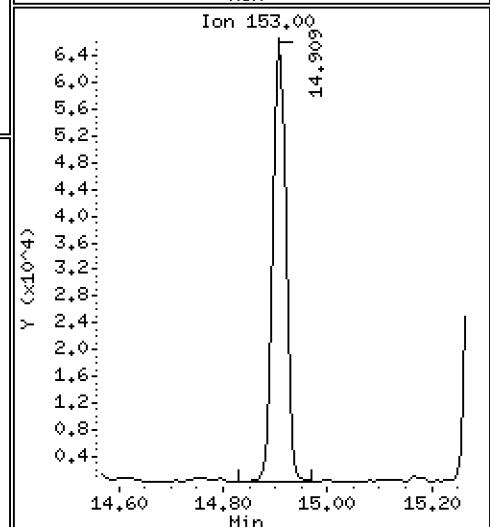
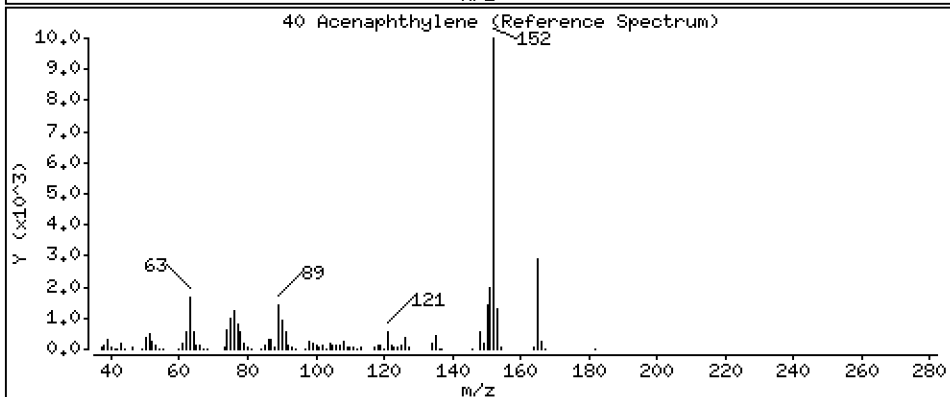
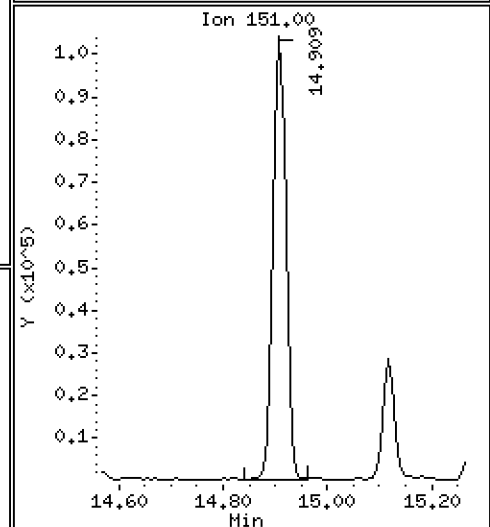
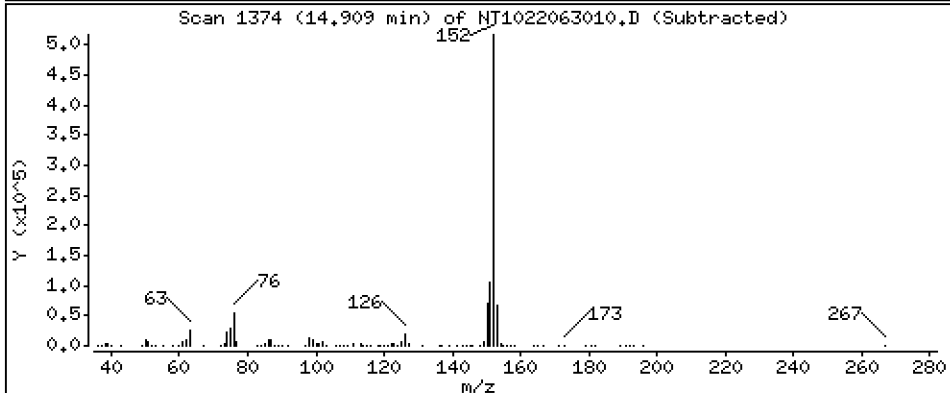
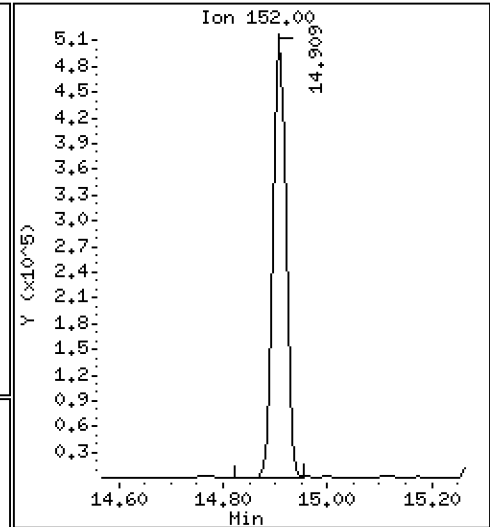
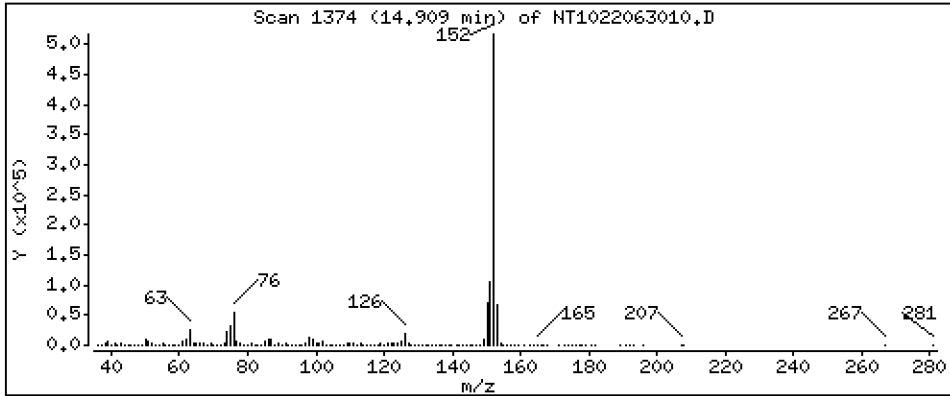
Operator: VTS

Column phase: ZB-5msi

Column diameter: 0,25

40 Acenaphthylene

Concentration: 3,535 ug/mL



Date : 30-JUN-2022 19:23

Client ID:

Instrument: nt10.i

Sample Info: BKF0469-MSD1

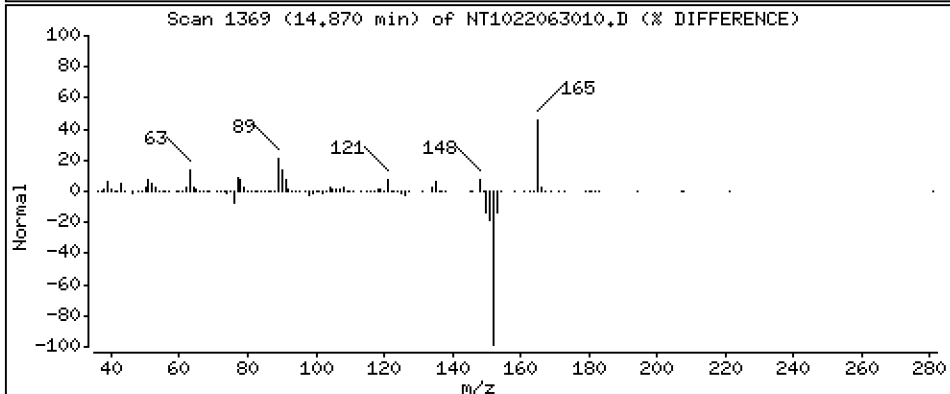
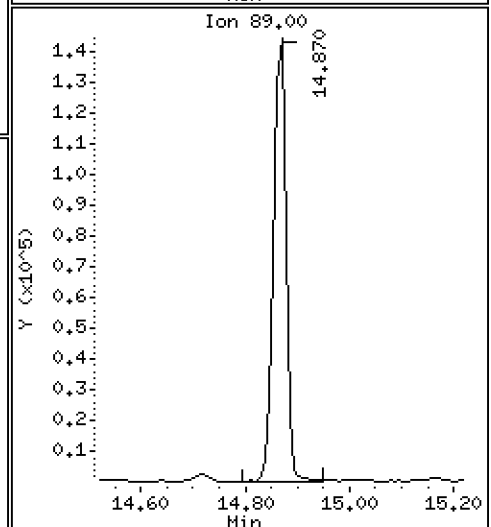
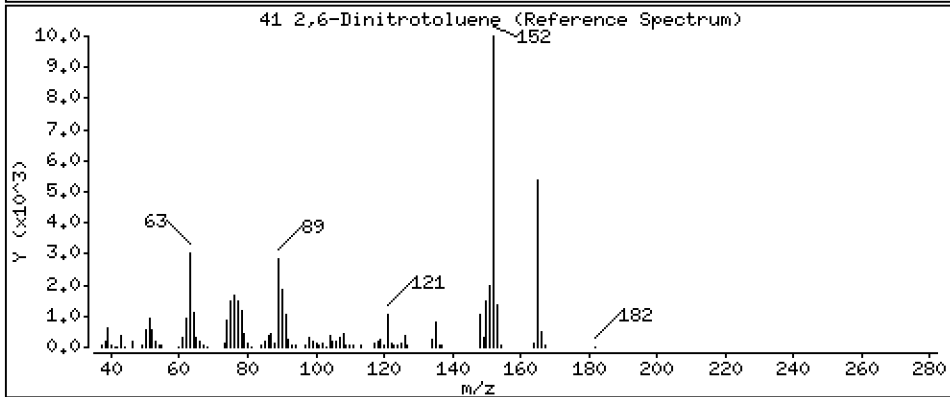
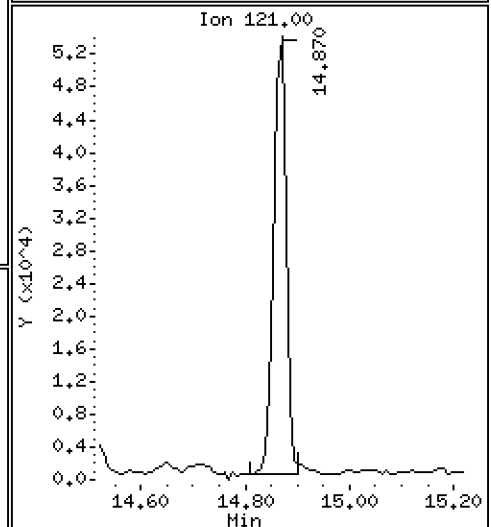
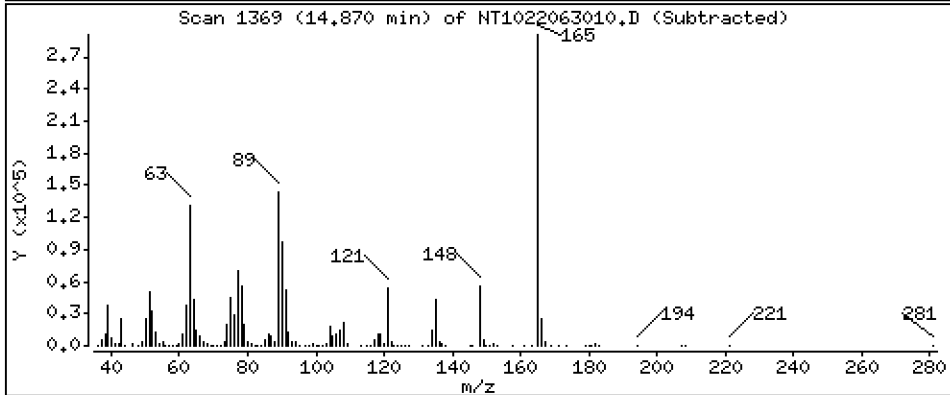
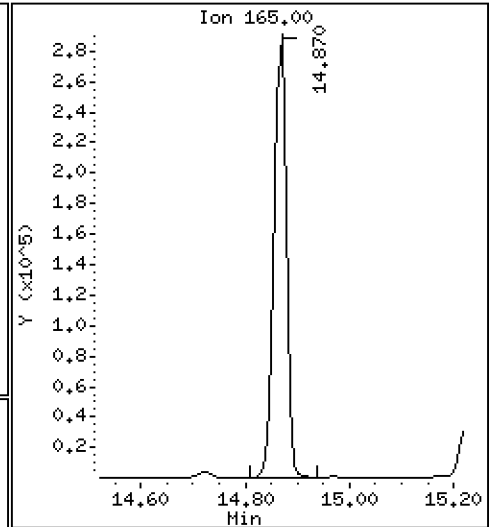
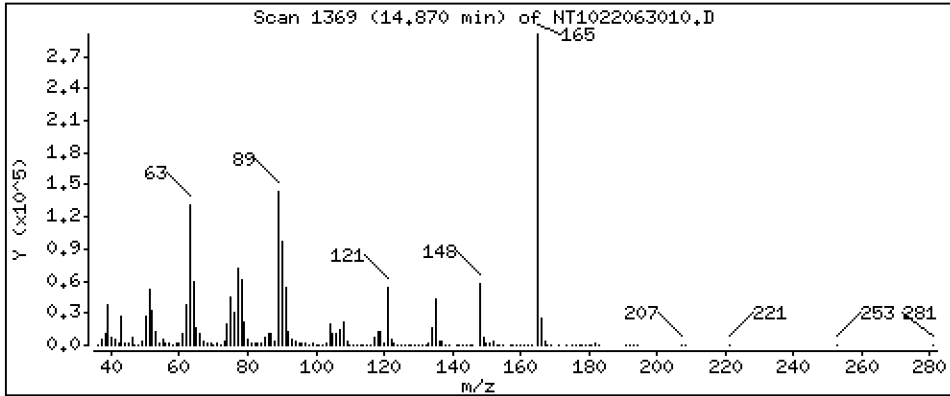
Operator: VTS

Column phase: ZB-5msi

Column diameter: 0,25

41 2,6-Dinitrotoluene

Concentration: 13,55 ug/mL



Date : 30-JUN-2022 19:23

Client ID:

Instrument: nt10.i

Sample Info: BKF0469-MSD1

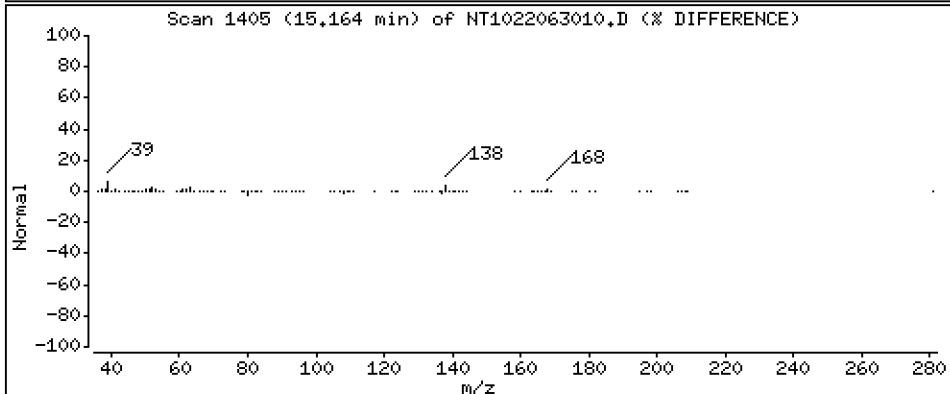
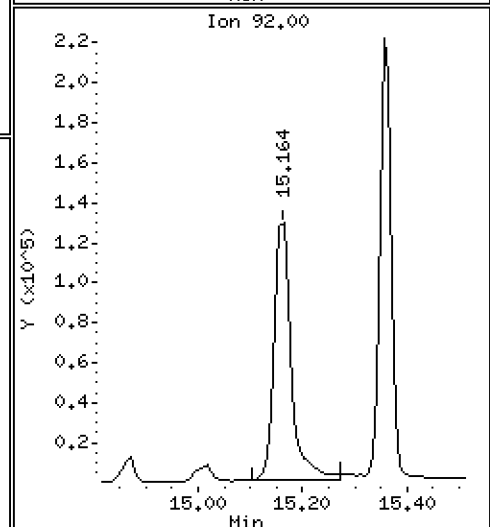
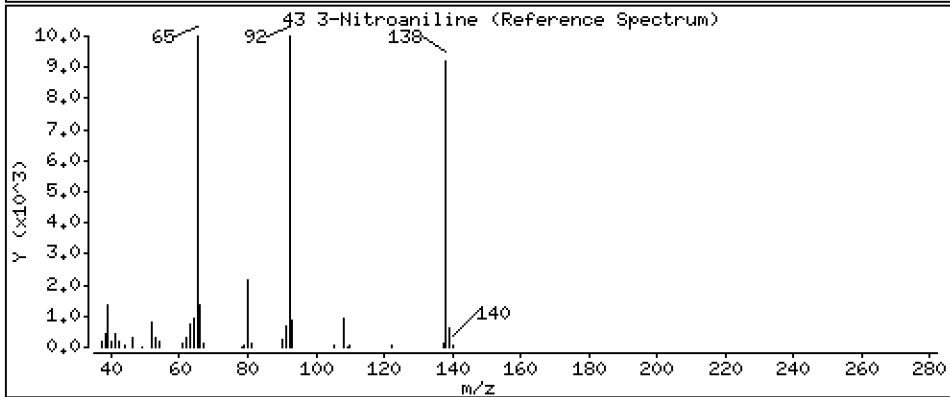
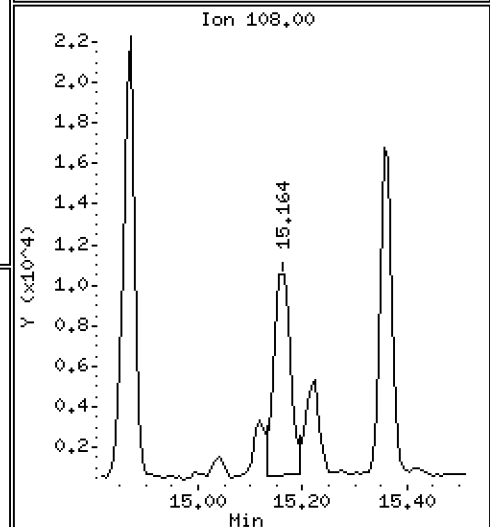
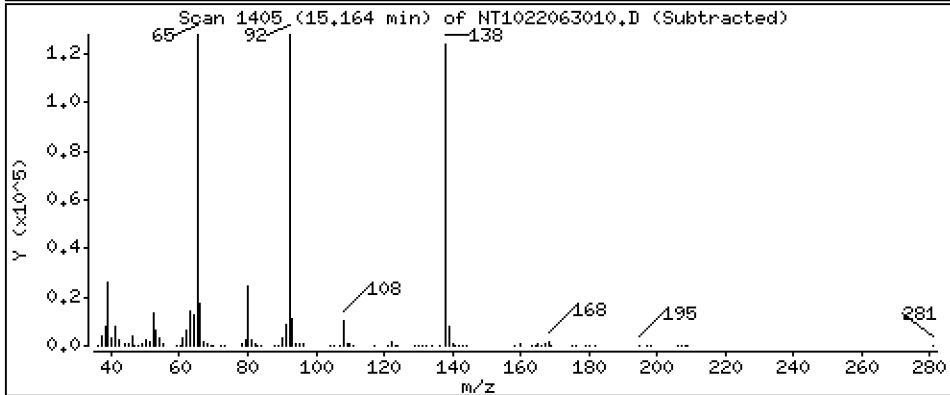
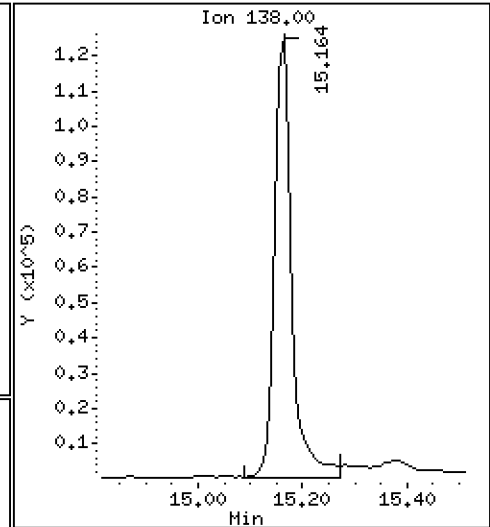
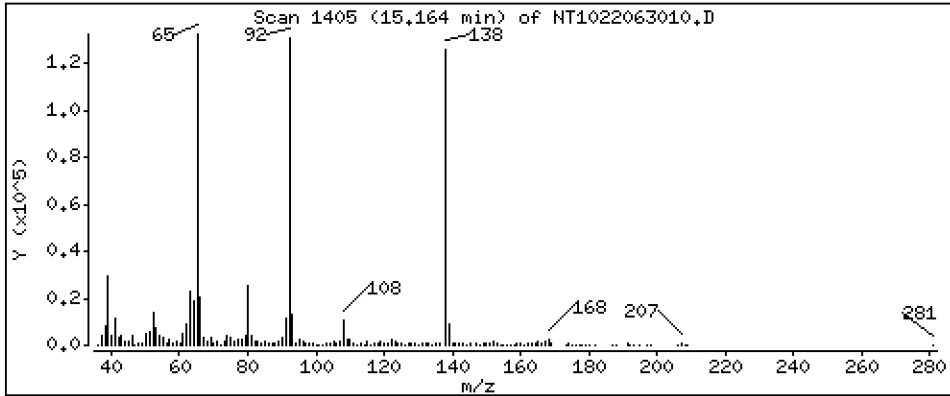
Operator: VTS

Column phase: ZB-5msi

Column diameter: 0,25

43 3-Nitroaniline

Concentration: 7,042 ug/mL



Date : 30-JUN-2022 19:23

Client ID:

Instrument: nt10.i

Sample Info: BKF0469-MSD1

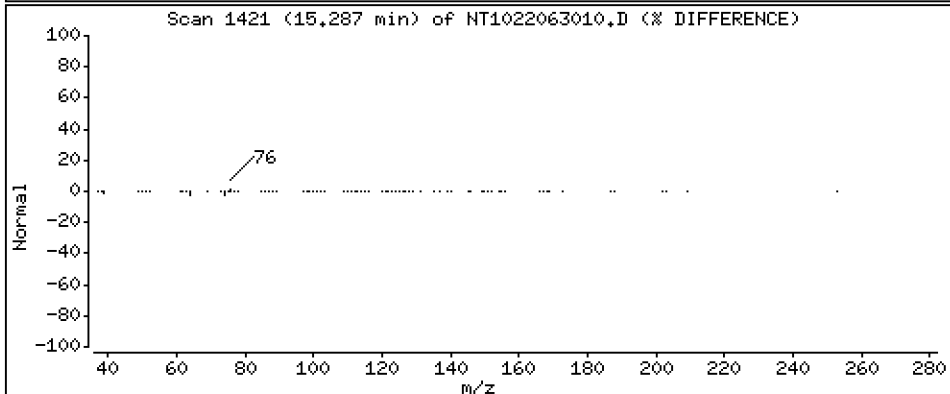
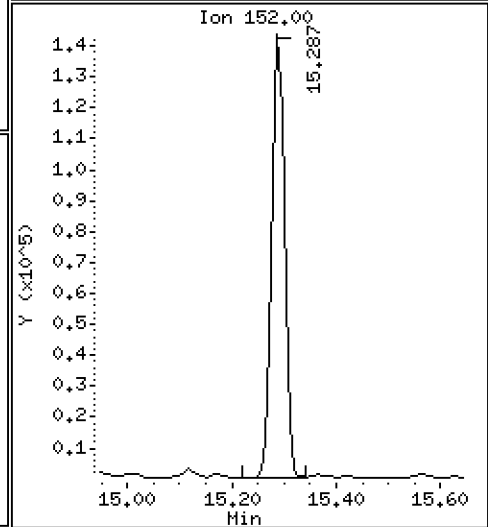
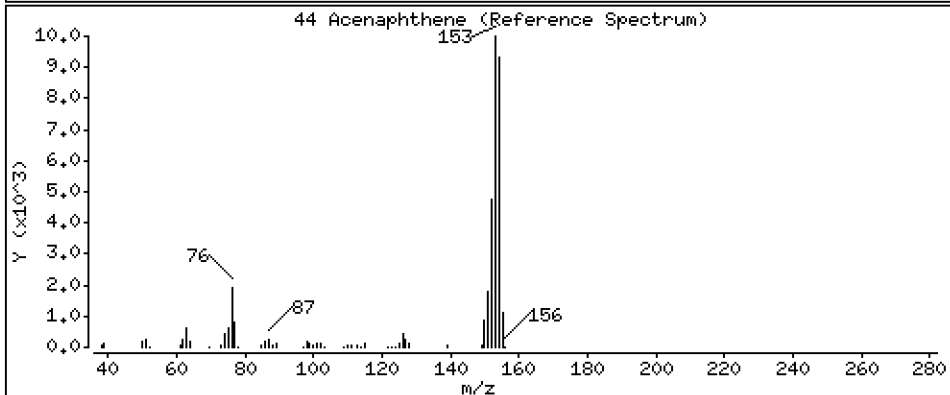
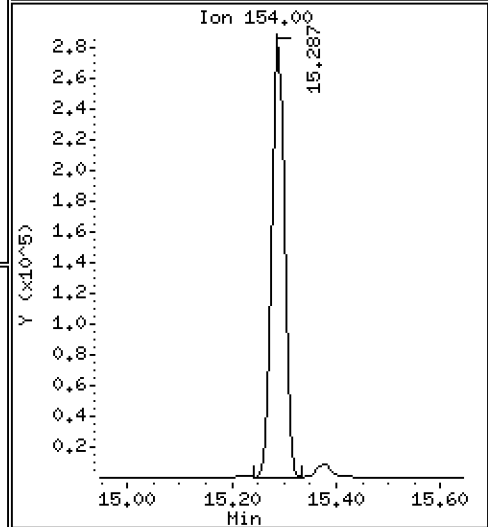
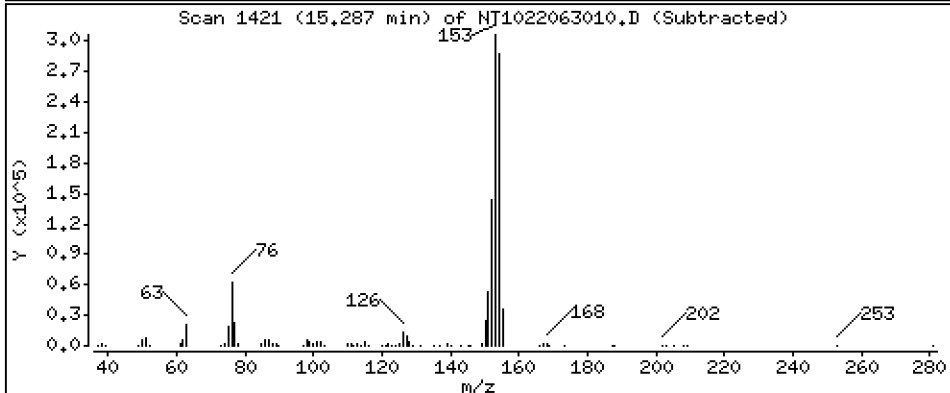
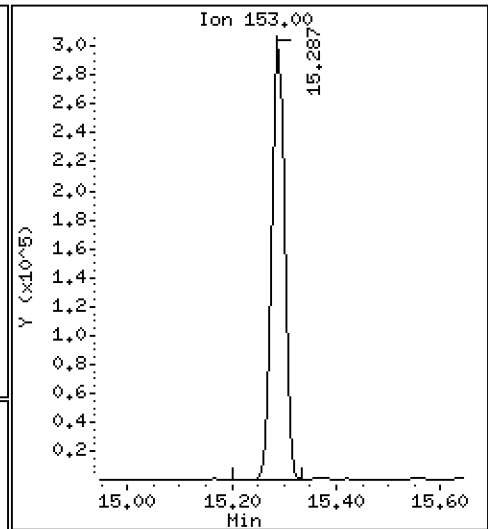
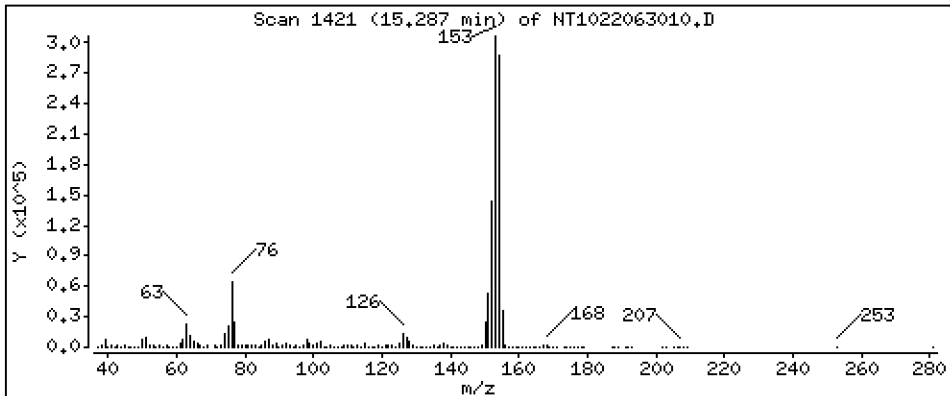
Operator: VTS

Column phase: ZB-5msi

Column diameter: 0,25

44 Acenaphthene

Concentration: 4,141 ug/mL



Date : 30-JUN-2022 19:23

Client ID:

Instrument: nt10.i

Sample Info: BKF0469-MSD1

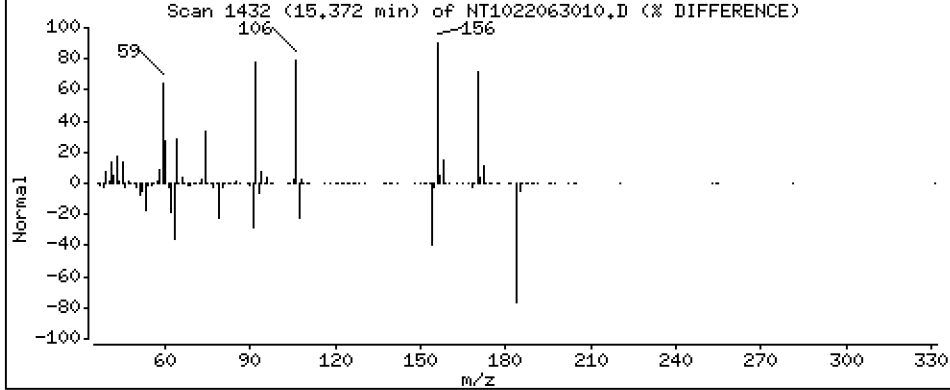
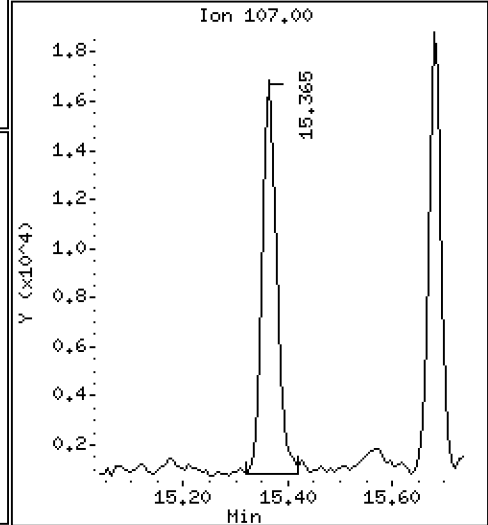
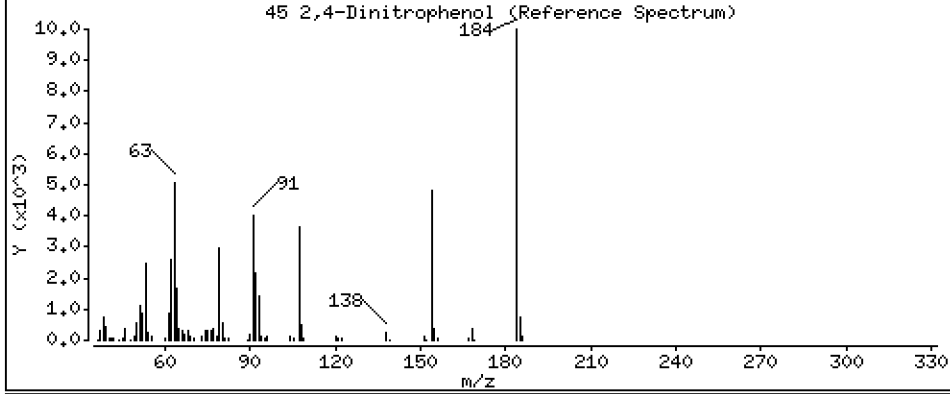
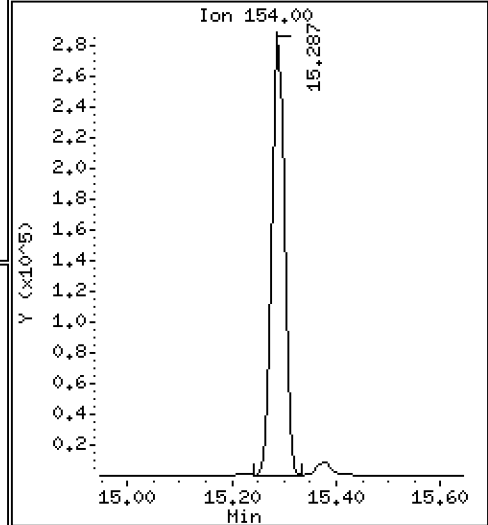
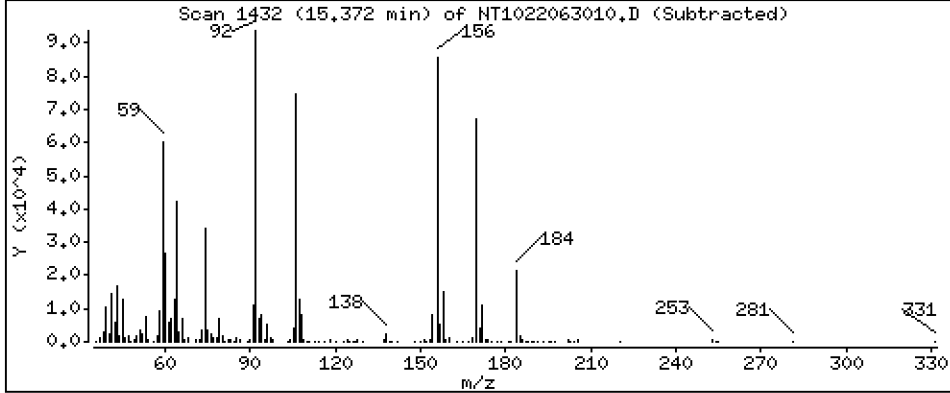
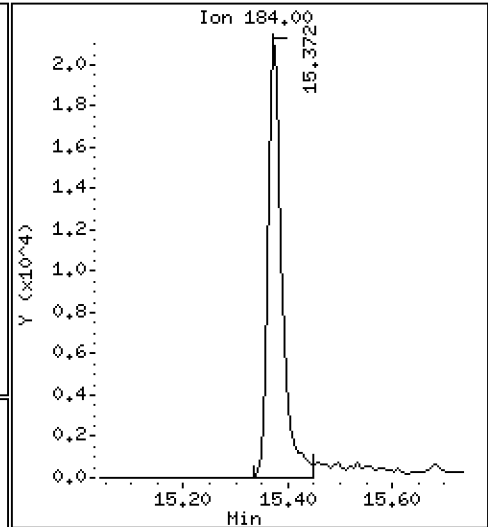
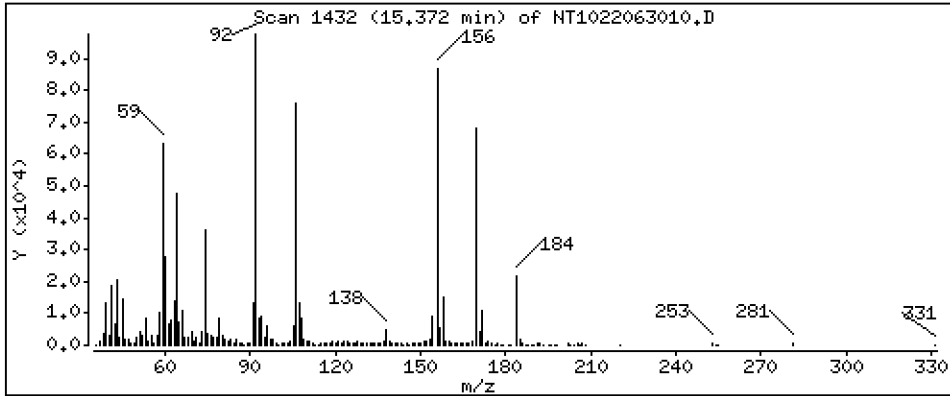
Operator: VTS

Column phase: ZB-5msi

Column diameter: 0,25

45 2,4-Dinitrophenol

Concentration: 2,711 ug/mL



Date : 30-JUN-2022 19:23

Client ID:

Instrument: nt10.i

Sample Info: BKF0469-MSD1

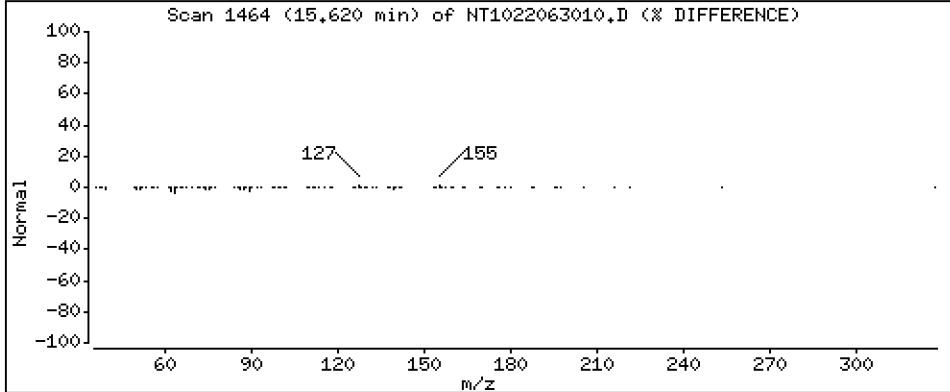
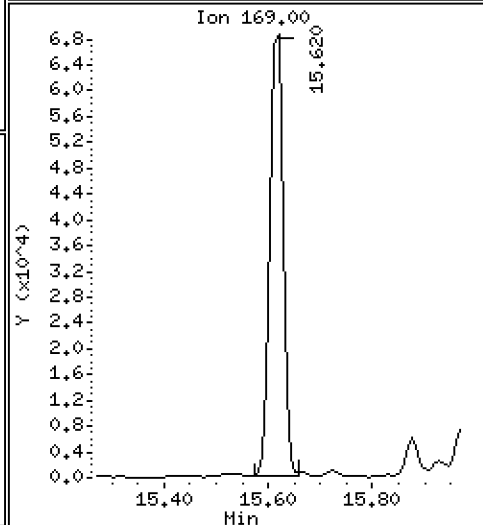
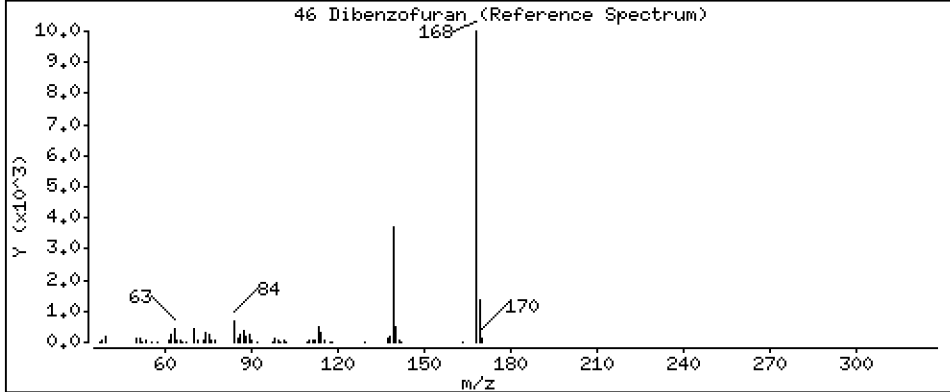
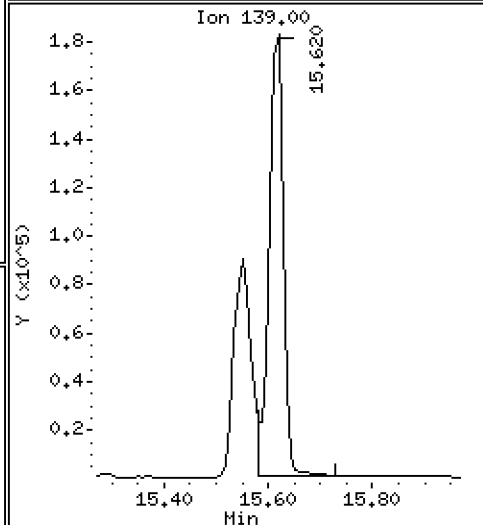
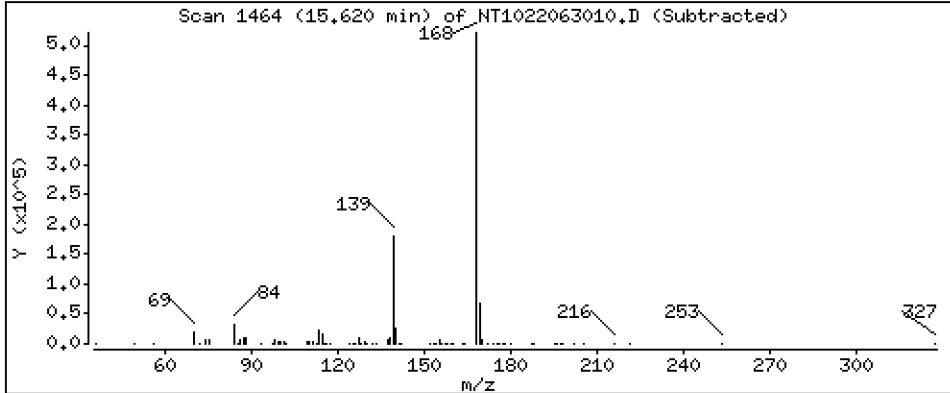
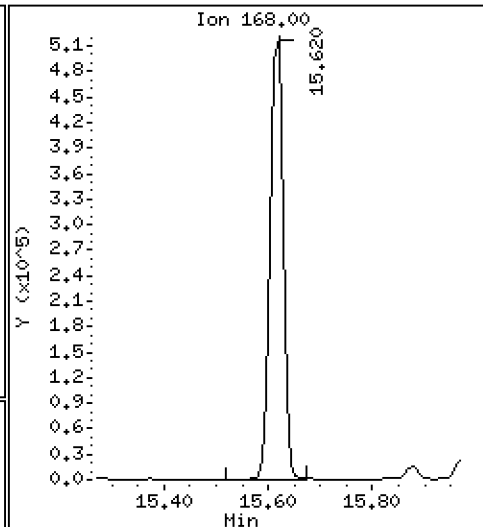
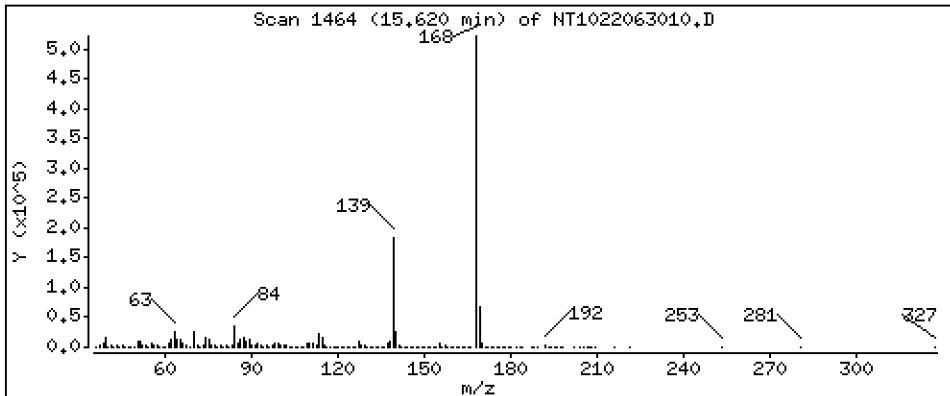
Operator: VTS

Column phase: ZB-5msi

Column diameter: 0,25

46 Dibenzofuran

Concentration: 4,550 ug/mL



Date : 30-JUN-2022 19:23

Client ID:

Instrument: nt10.i

Sample Info: BKF0469-MSD1

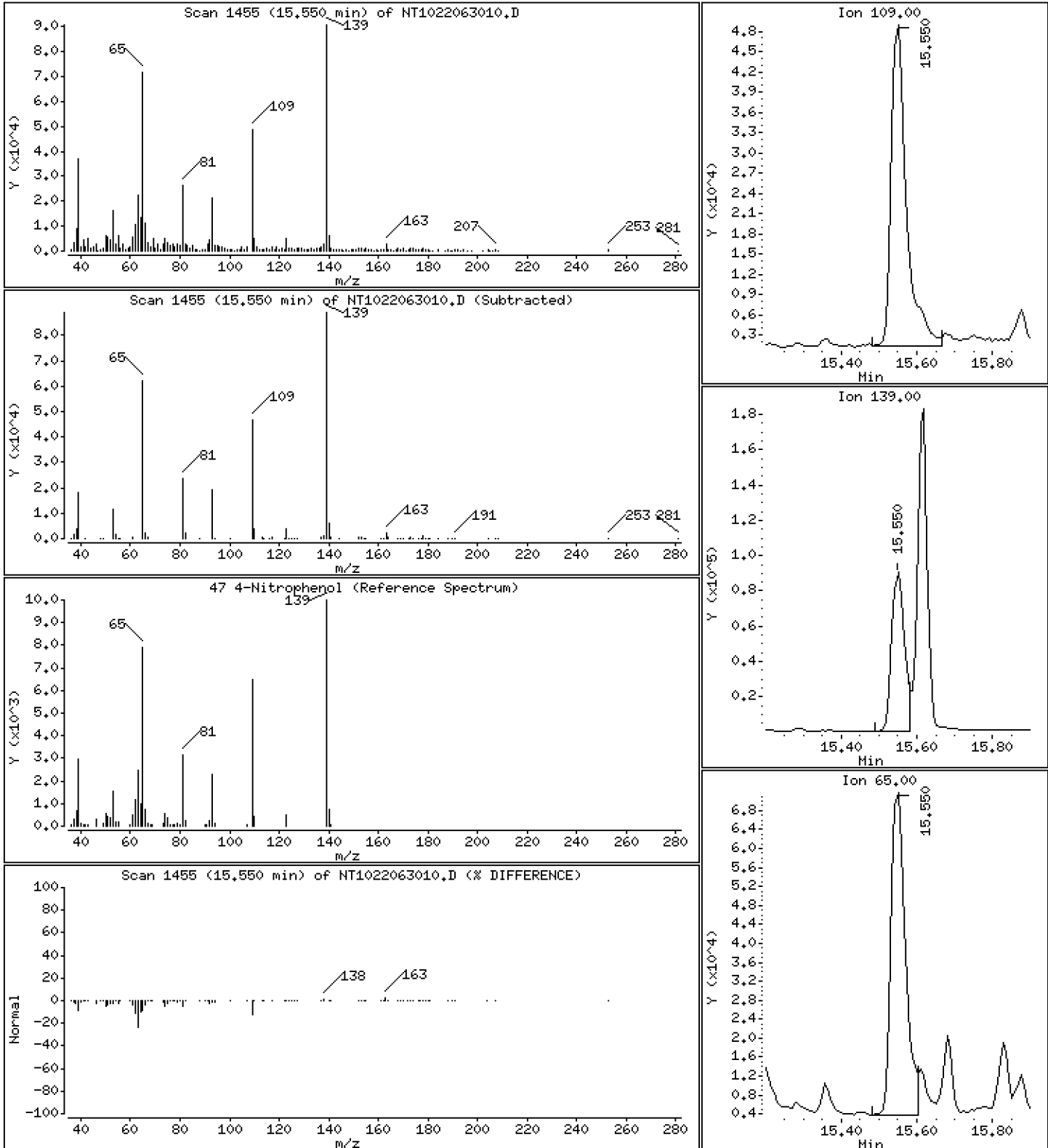
Operator: VTS

Column phase: ZB-5msi

Column diameter: 0,25

47 4-Nitrophenol

Concentration: 10,00 ug/mL



Date : 30-JUN-2022 19:23

Client ID:

Instrument: nt10.i

Sample Info: BKF0469-MSD1

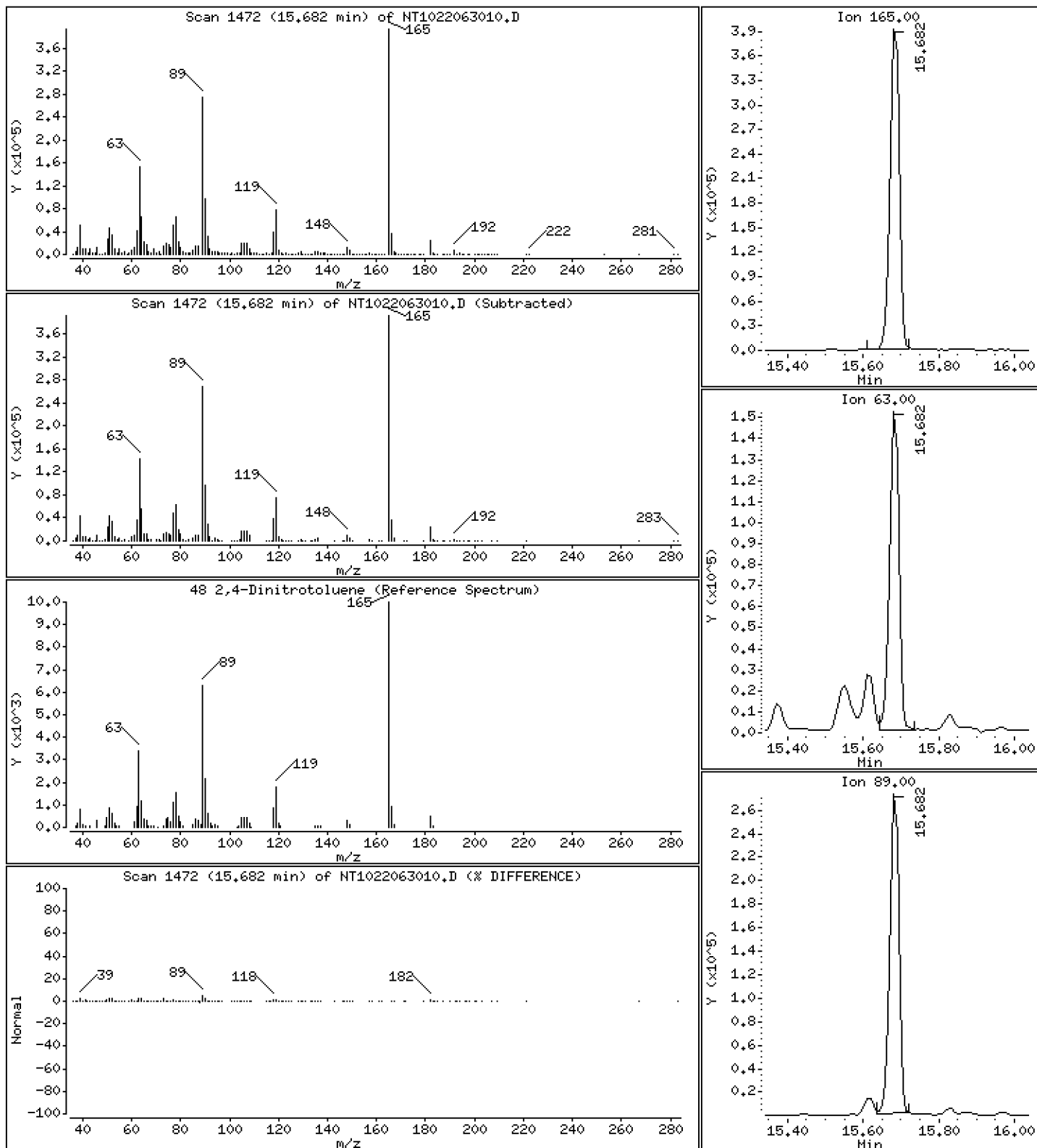
Operator: VTS

Column phase: ZB-5msi

Column diameter: 0,25

48 2,4-Dinitrotoluene

Concentration: 14,30 ug/mL



Date : 30-JUN-2022 19:23

Client ID:

Instrument: nt10.i

Sample Info: BKF0469-MSD1

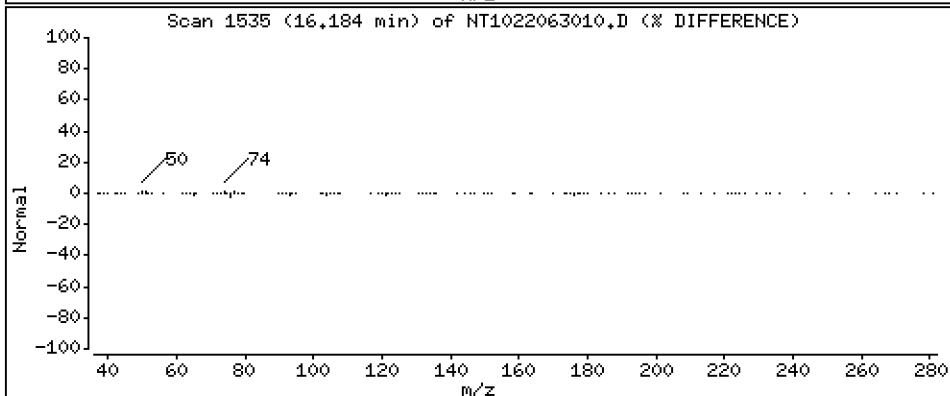
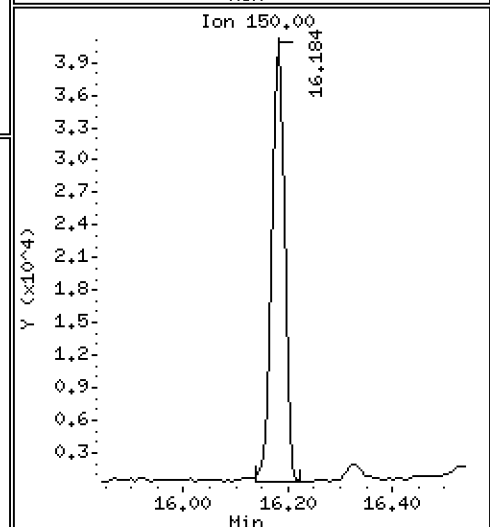
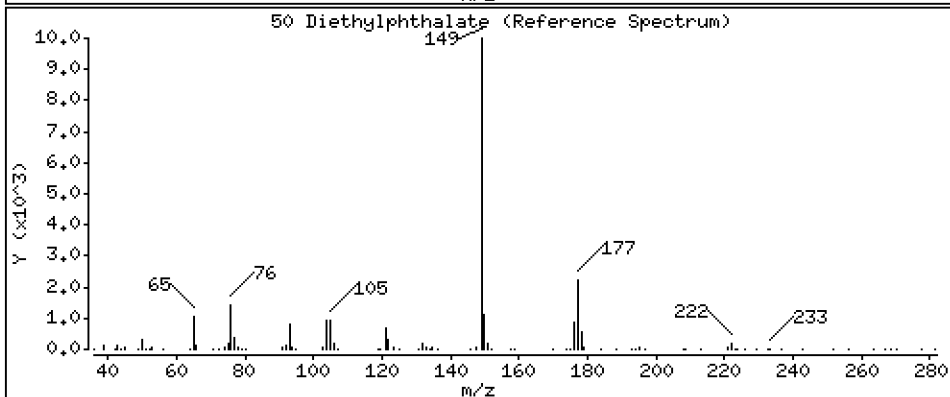
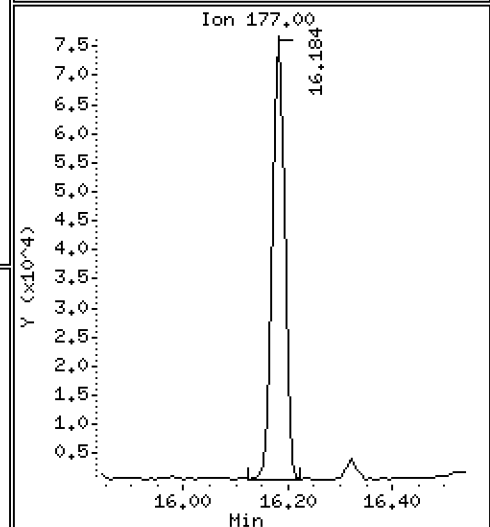
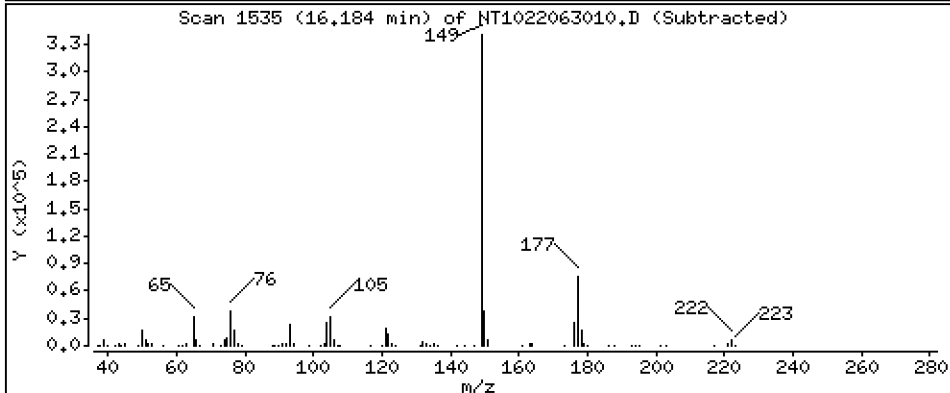
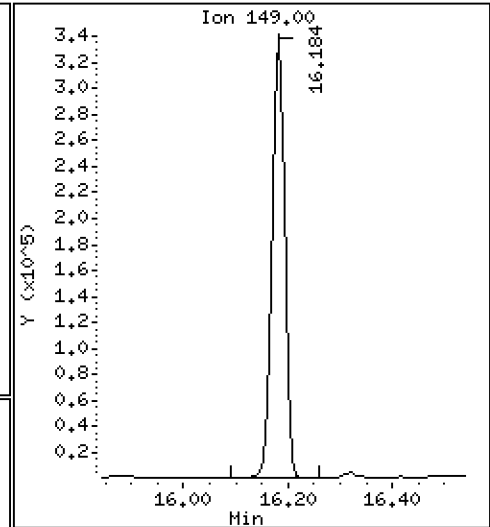
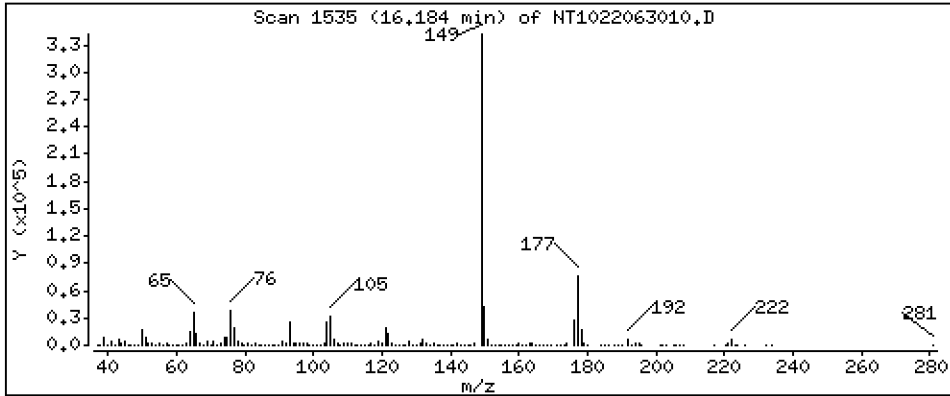
Operator: VTS

Column phase: ZB-5msi

Column diameter: 0,25

50 Diethylphthalate

Concentration: 4,859 ug/mL



Date : 30-JUN-2022 19:23

Client ID:

Instrument: nt10.i

Sample Info: BKF0469-MSD1

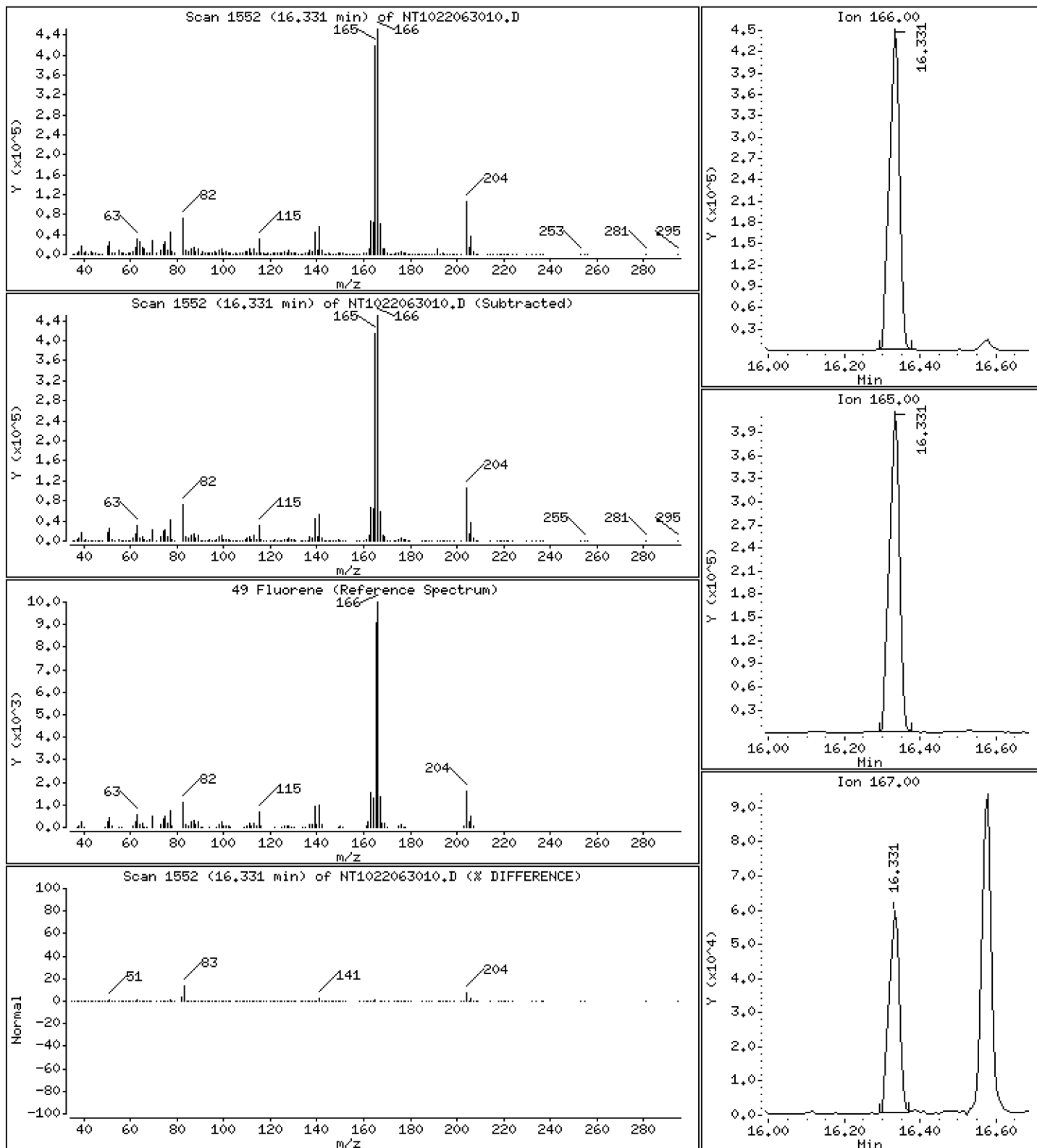
Operator: VTS

Column phase: ZB-5msi

Column diameter: 0,25

49 Fluorene

Concentration: 3,554 ug/mL



Date : 30-JUN-2022 19:23

Client ID:

Instrument: nt10.i

Sample Info: BKF0469-MSD1

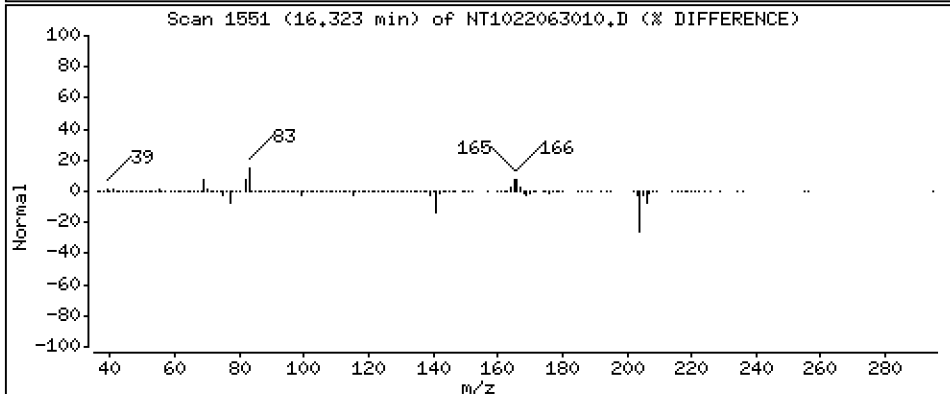
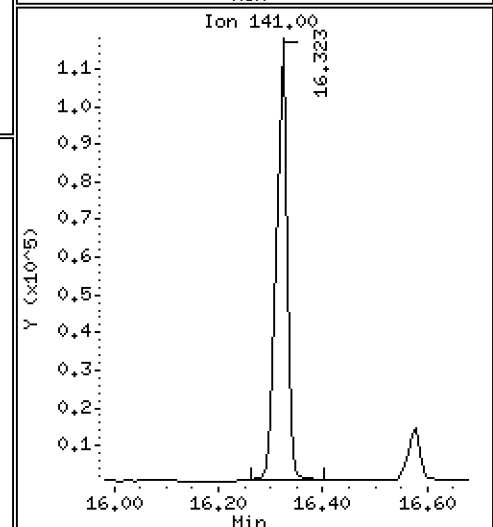
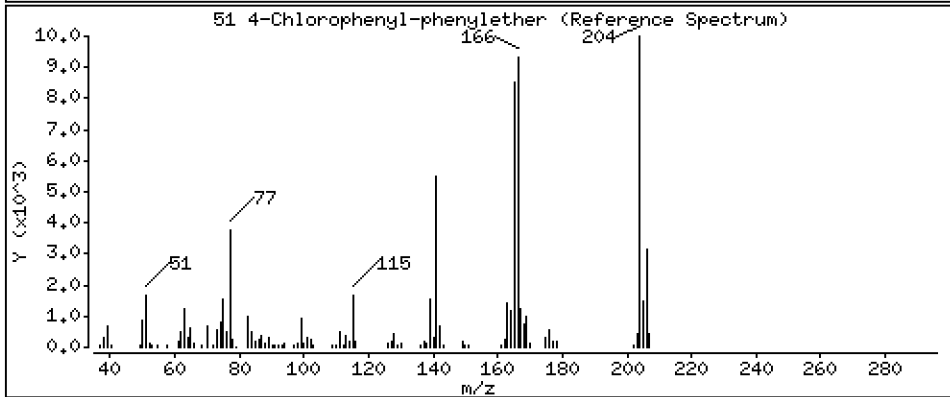
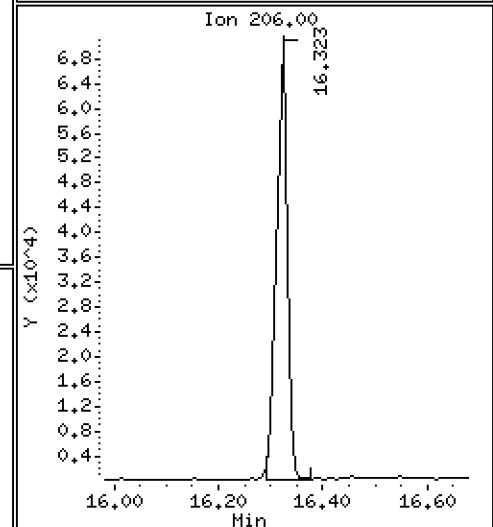
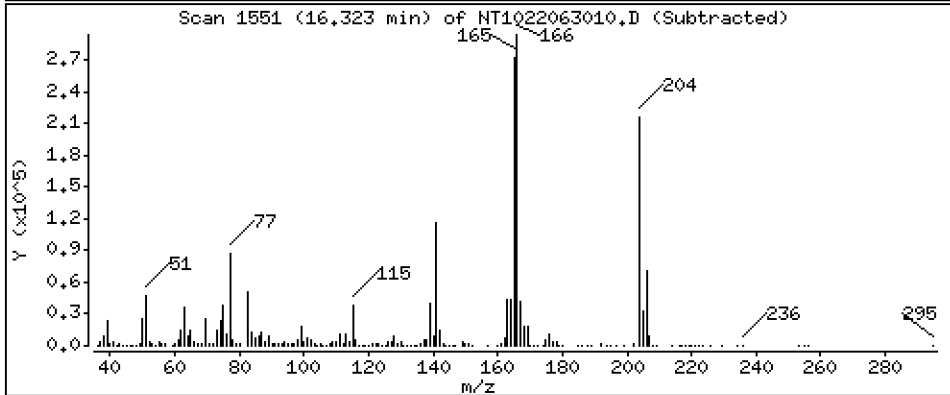
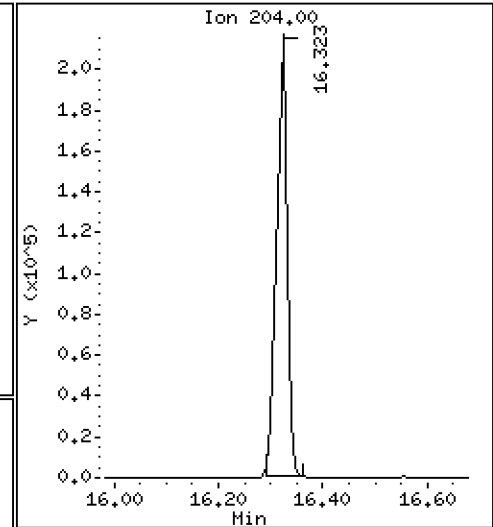
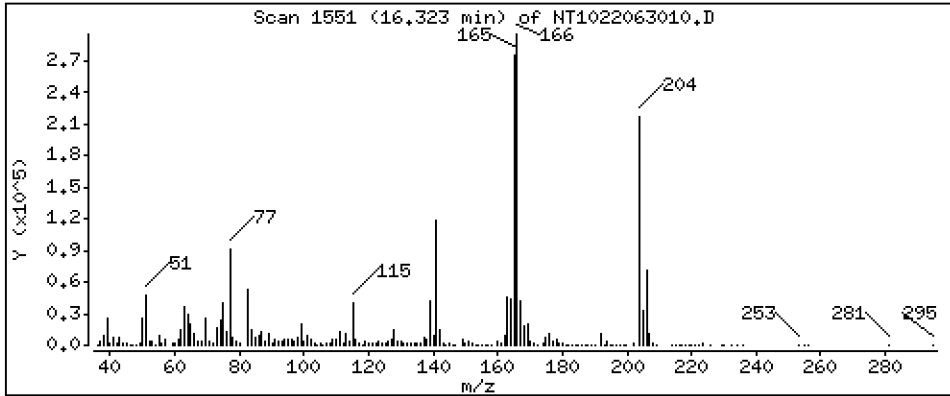
Operator: VTS

Column phase: ZB-5msi

Column diameter: 0,25

51 4-Chlorophenyl-phenylether

Concentration: 2,336 ug/mL



Date : 30-JUN-2022 19:23

Client ID:

Instrument: nt10.i

Sample Info: BKF0469-MSD1

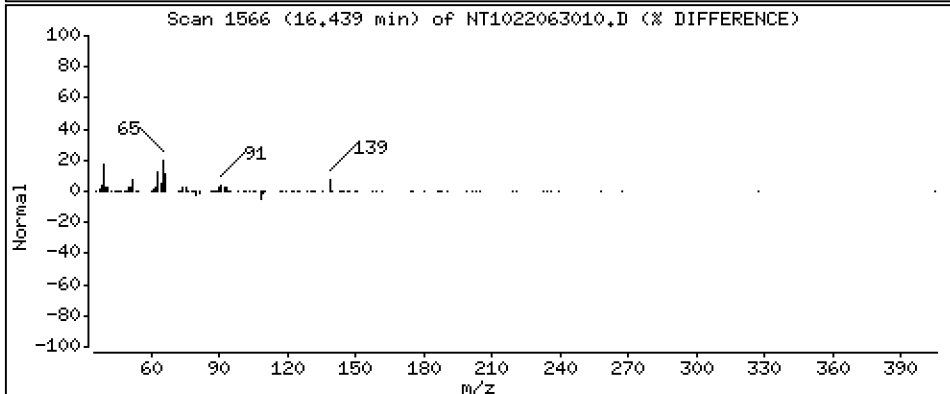
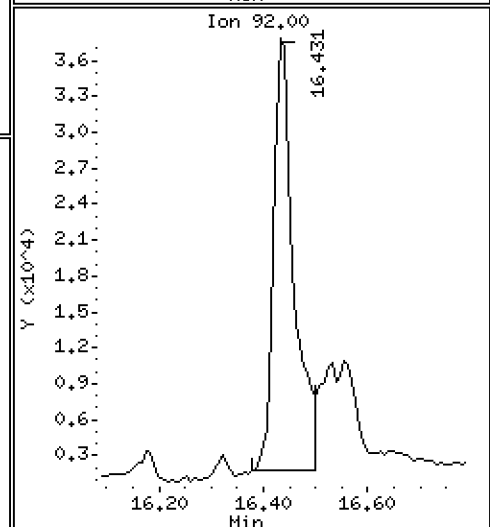
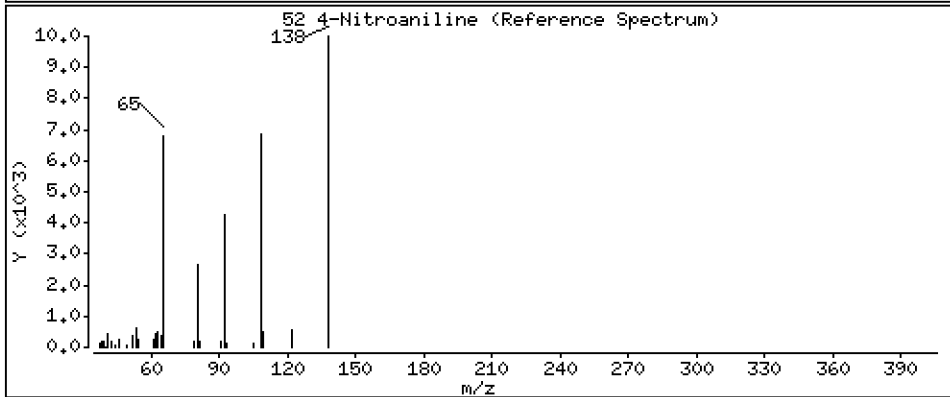
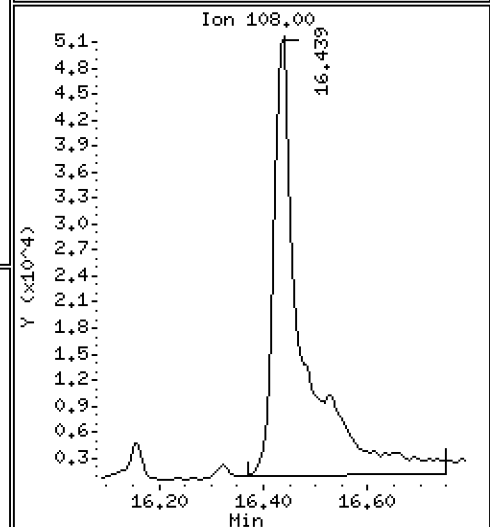
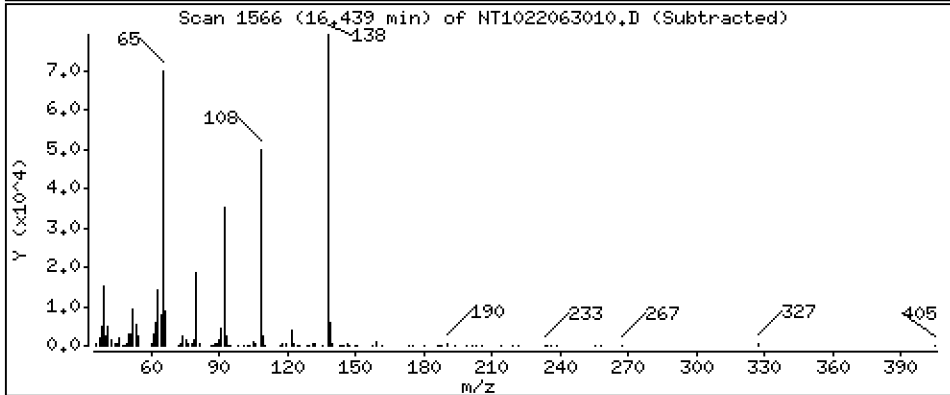
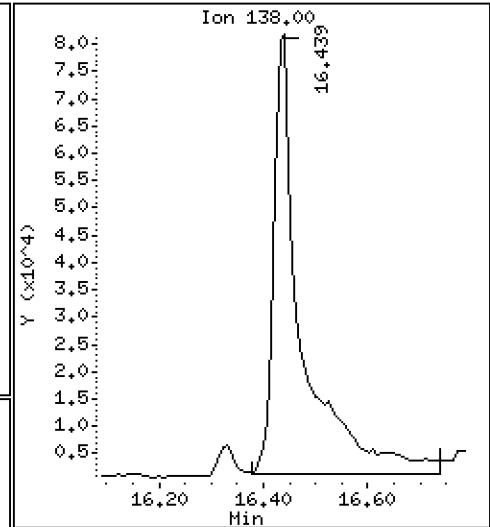
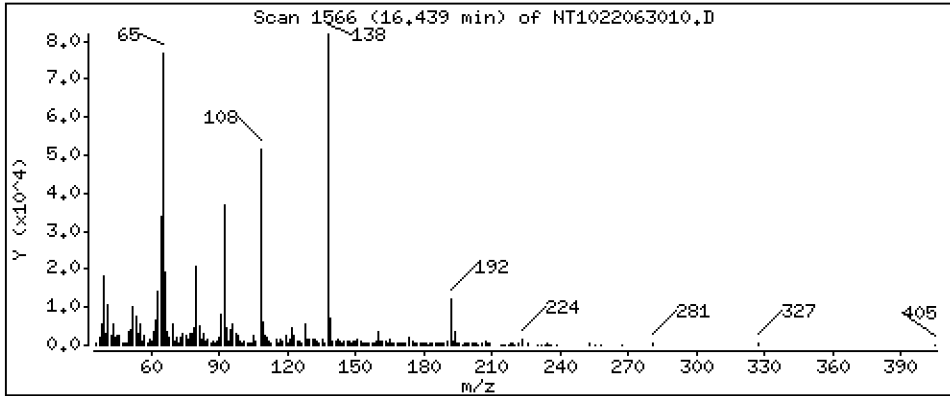
Operator: VTS

Column phase: ZB-5msi

Column diameter: 0,25

52 4-Nitroaniline

Concentration: 7,517 ug/mL



Date : 30-JUN-2022 19:23

Client ID:

Instrument: nt10.i

Sample Info: BKF0469-MSD1

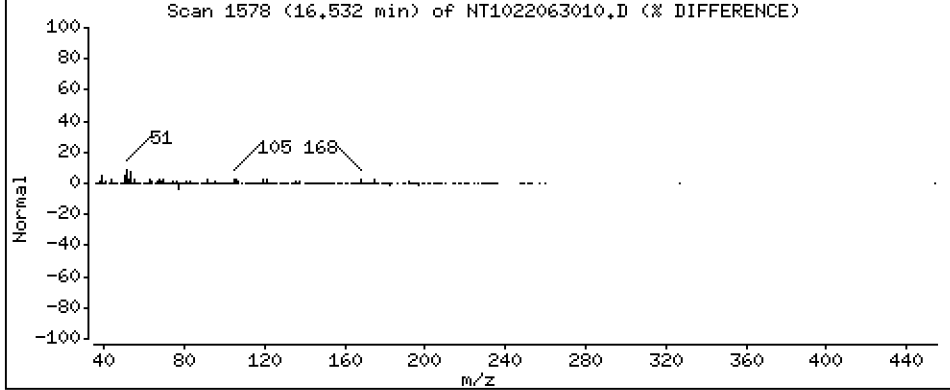
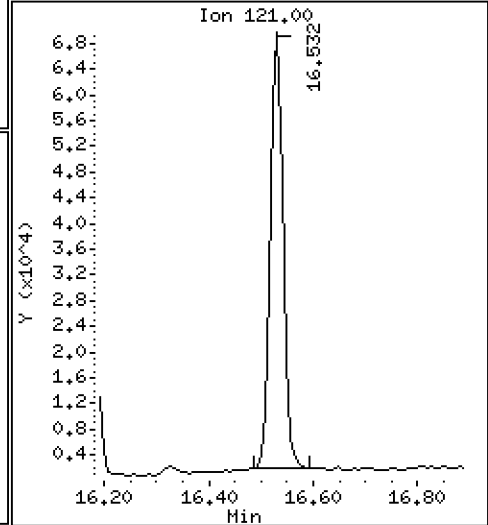
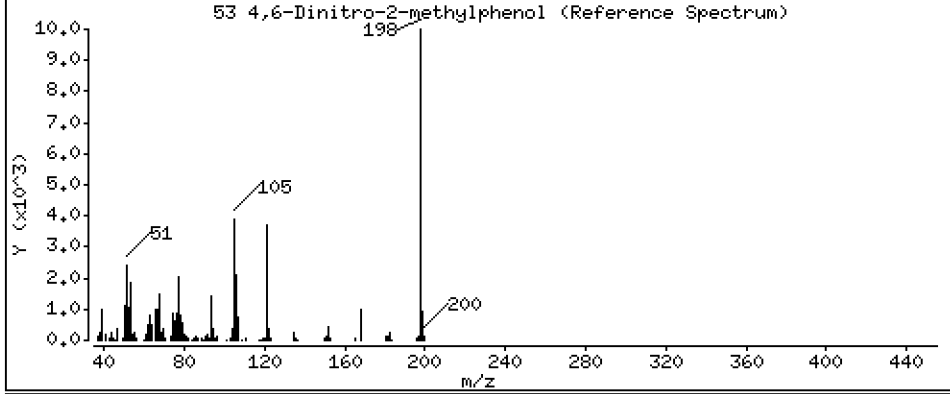
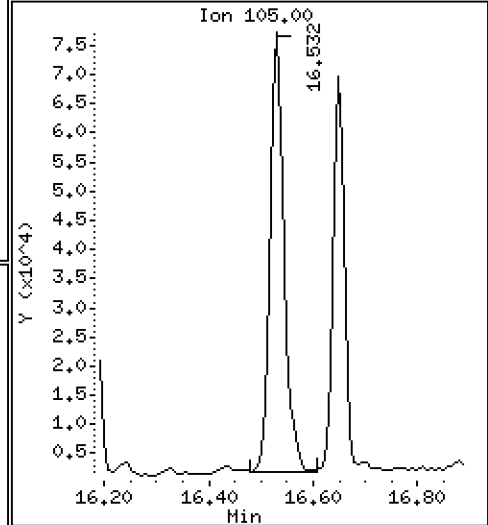
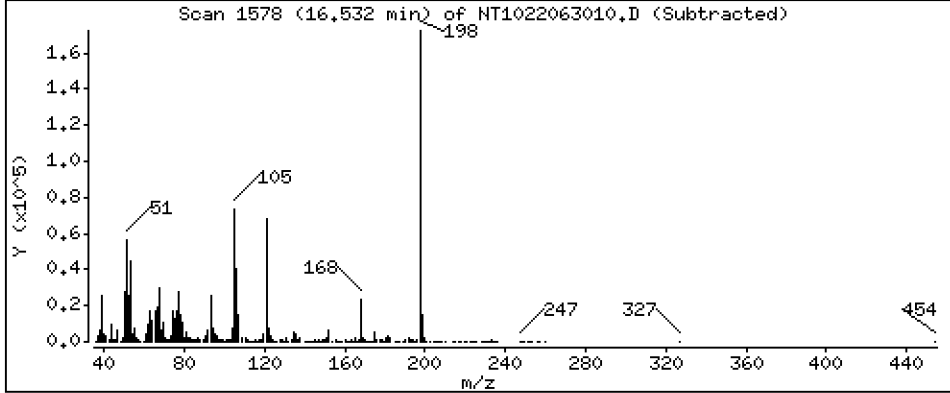
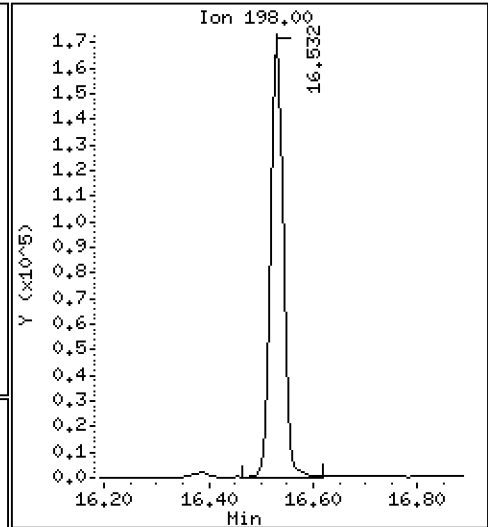
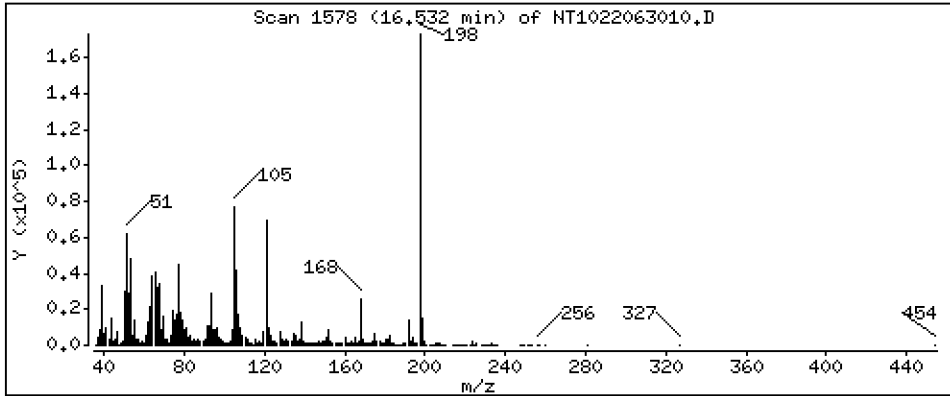
Operator: VTS

Column phase: ZB-5msi

Column diameter: 0,25

53 4,6-Dinitro-2-methylphenol

Concentration: 12,51 ug/mL



Date : 30-JUN-2022 19:23

Client ID:

Instrument: nt10.i

Sample Info: BKF0469-MSD1

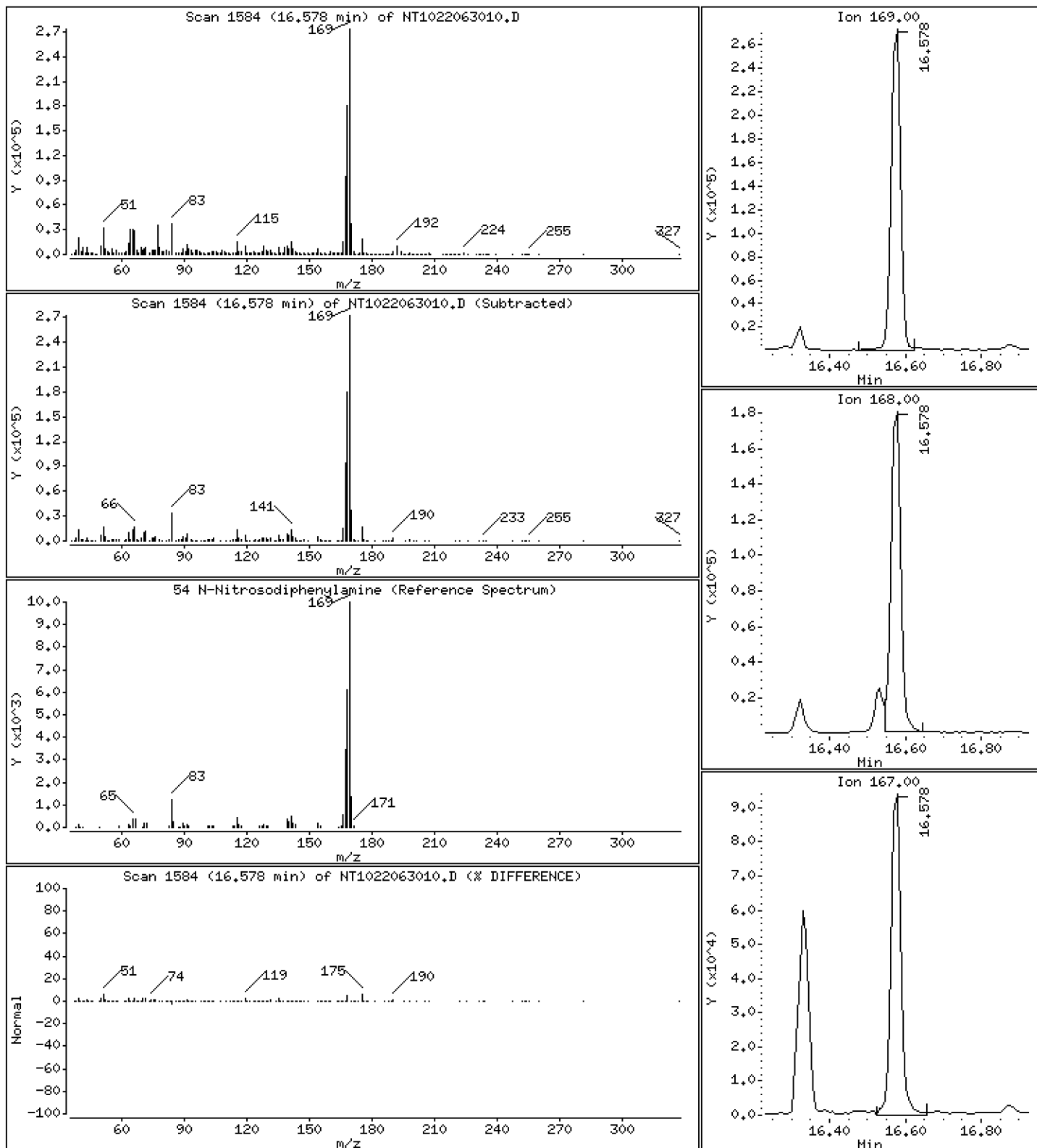
Operator: VTS

Column phase: ZB-5msi

Column diameter: 0,25

54 N-Nitrosodiphenylamine

Concentration: 5,053 ug/mL



Date : 30-JUN-2022 19:23

Client ID:

Instrument: nt10.i

Sample Info: BKF0469-MSD1

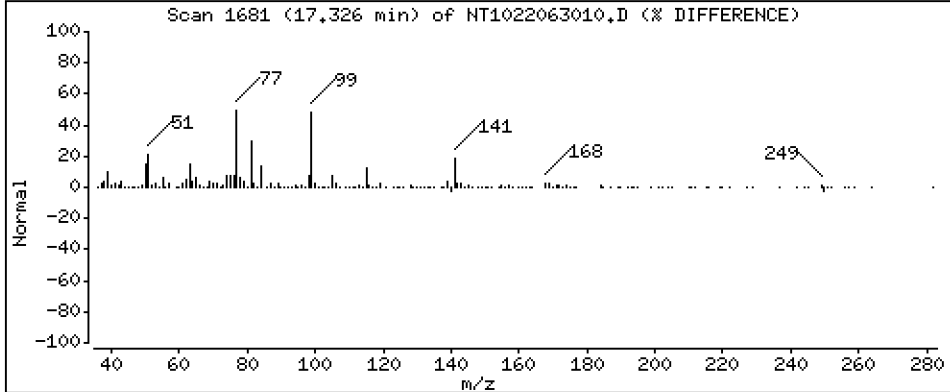
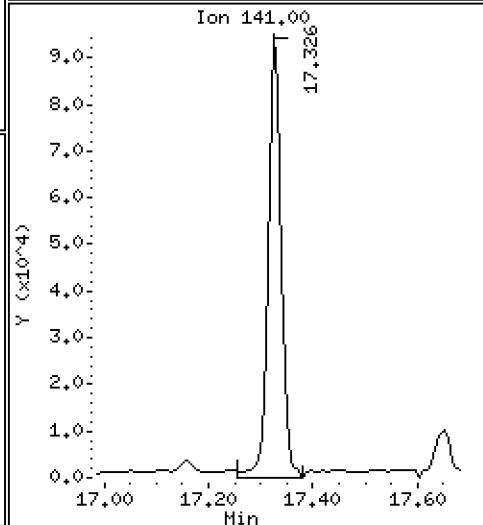
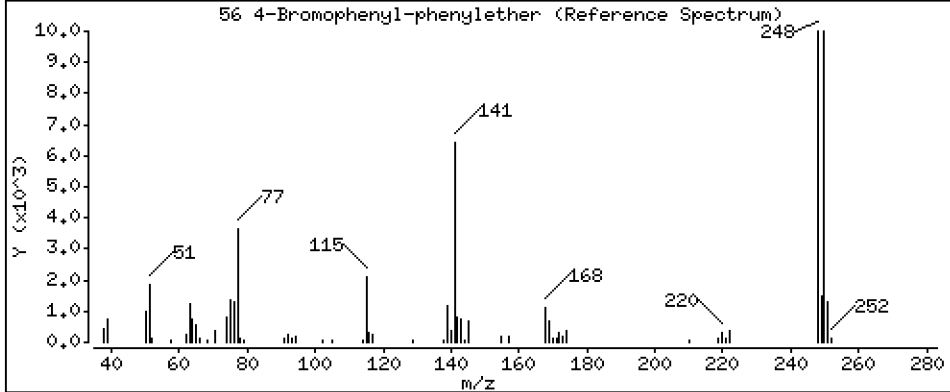
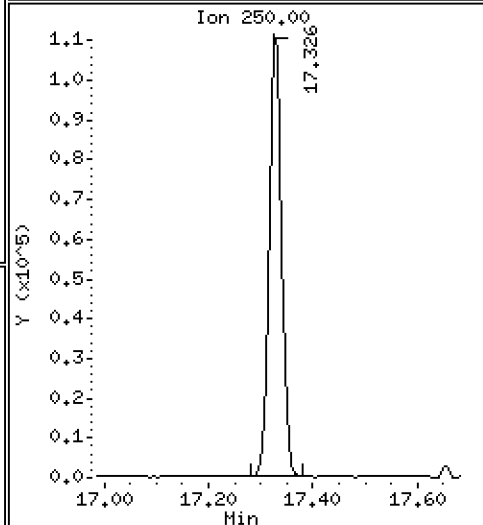
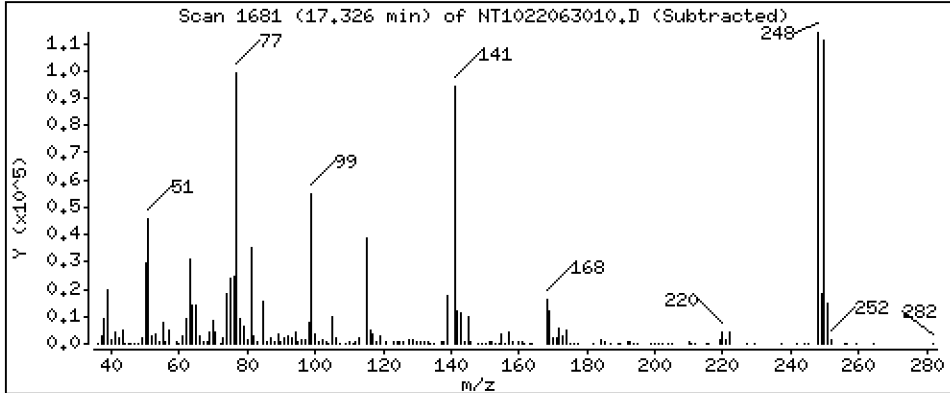
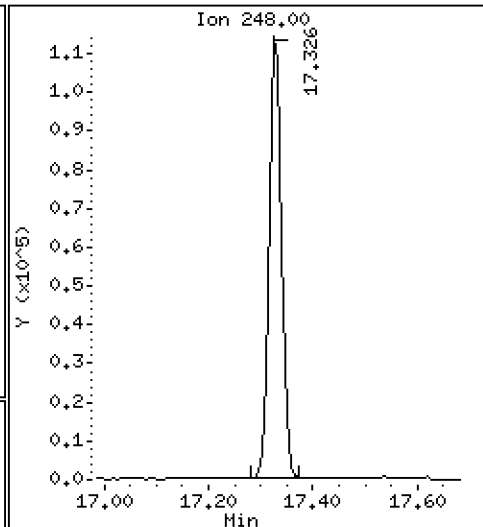
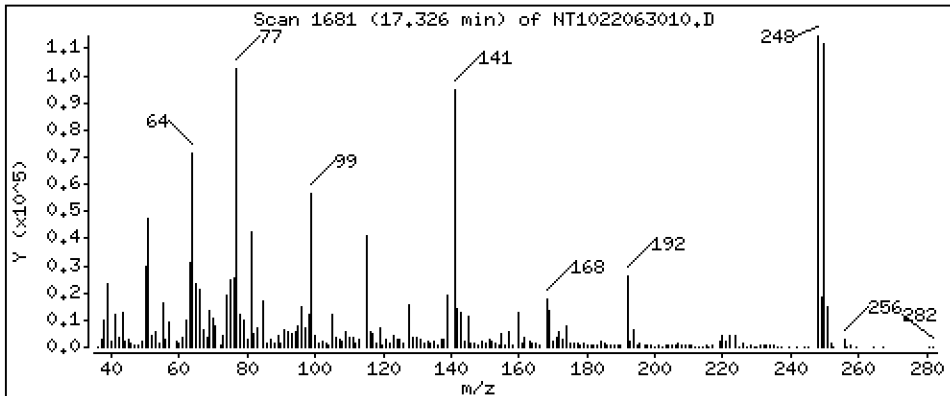
Operator: VTS

Column phase: ZB-5msi

Column diameter: 0,25

56 4-Bromophenyl-phenylether

Concentration: 4,623 ug/mL



Date : 30-JUN-2022 19:23

Client ID:

Instrument: nt10.i

Sample Info: BKF0469-MSD1

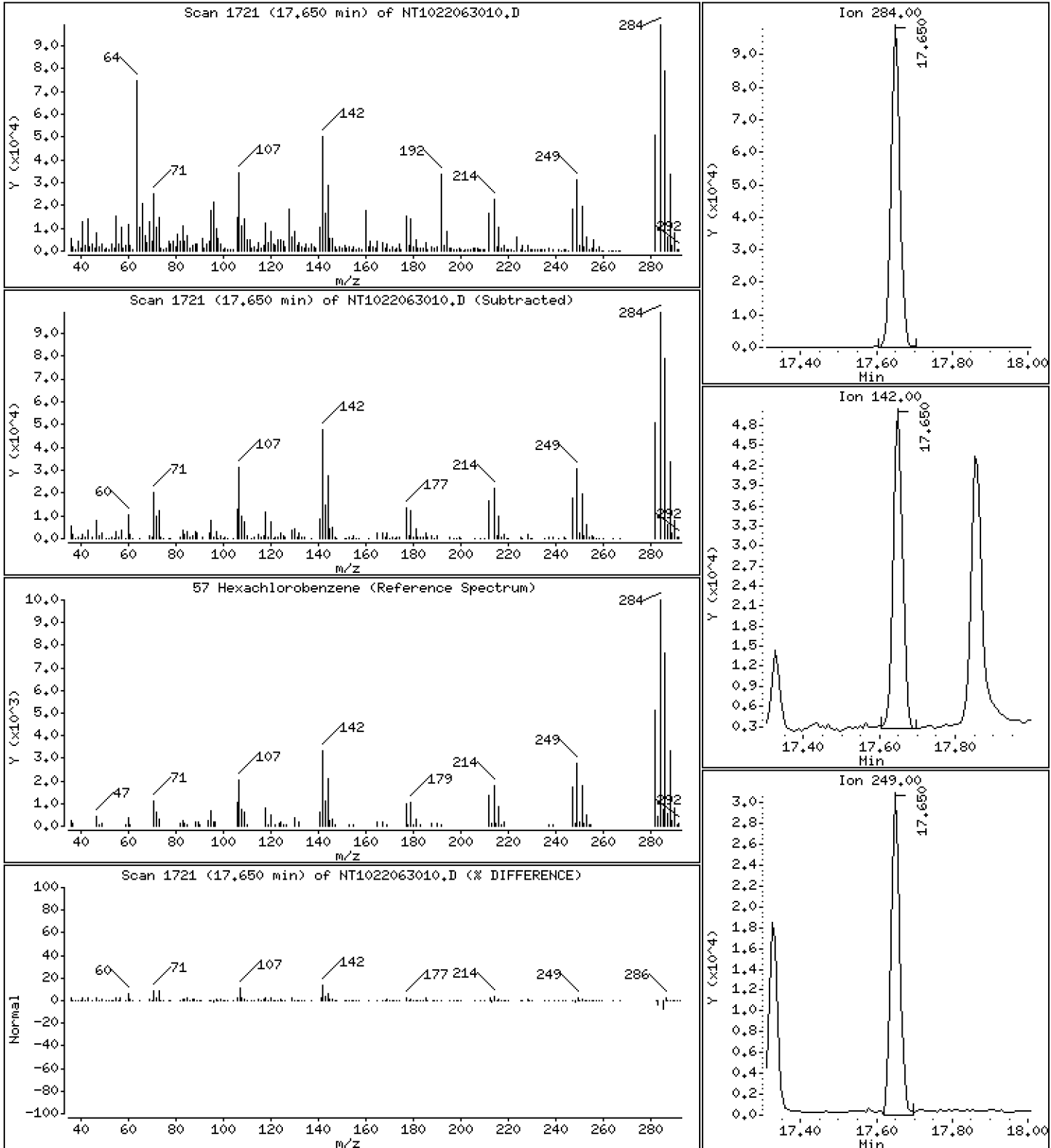
Operator: VTS

Column phase: ZB-5msi

Column diameter: 0,25

57 Hexachlorobenzene

Concentration: 4,348 ug/mL



Date : 30-JUN-2022 19:23

Client ID:

Instrument: nt10.i

Sample Info: BKF0469-MSD1

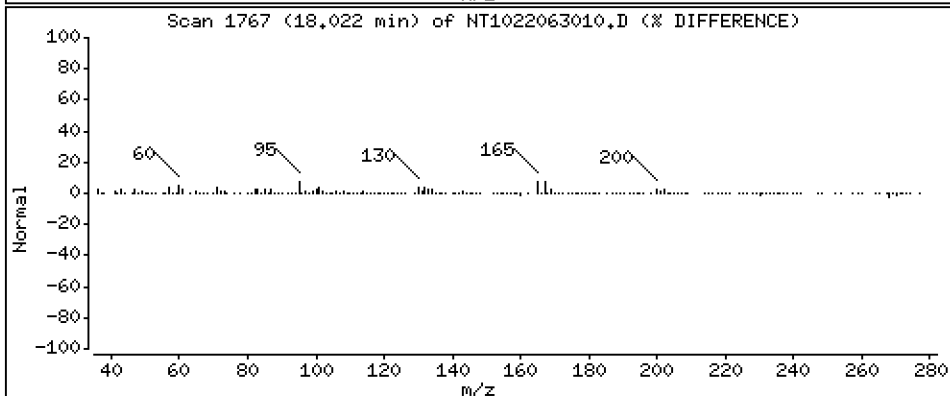
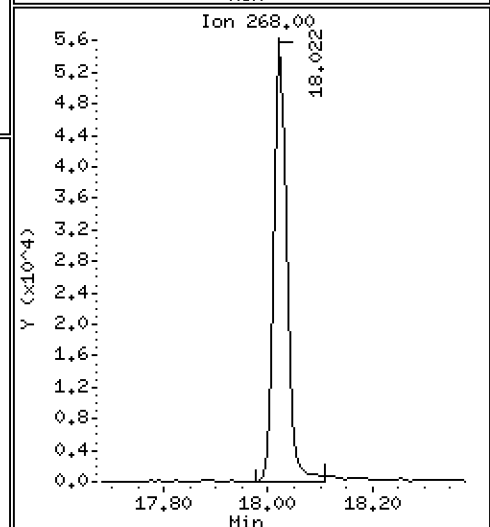
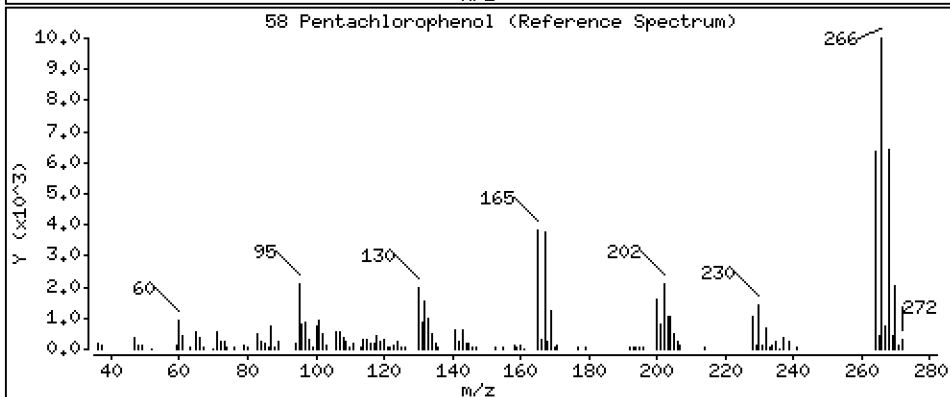
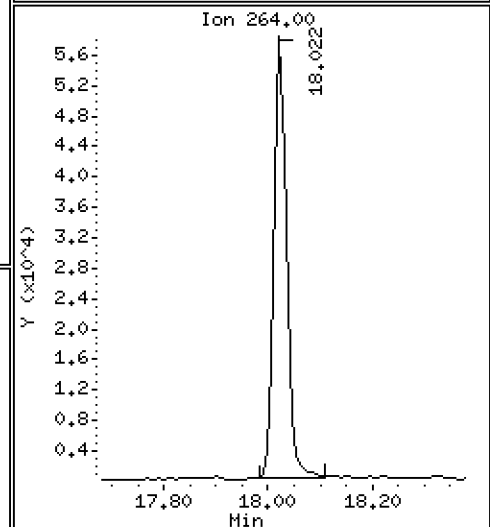
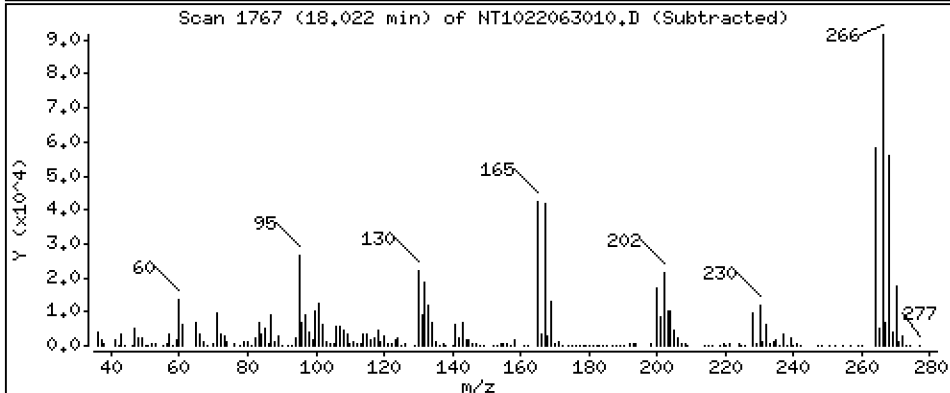
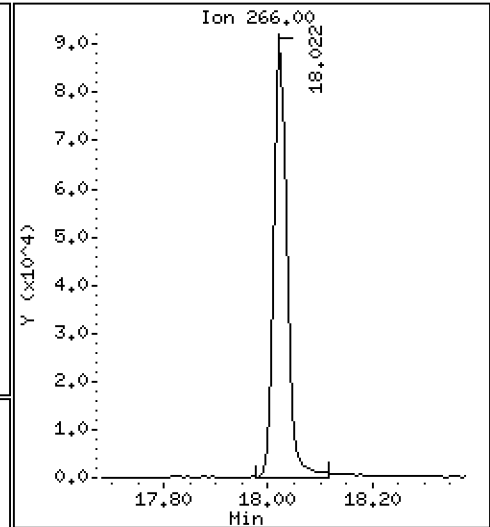
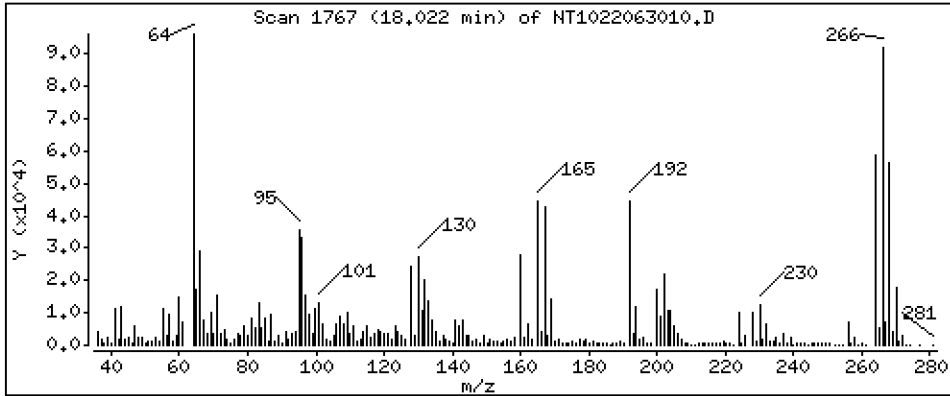
Operator: VTS

Column phase: ZB-5msi

Column diameter: 0,25

58 Pentachlorophenol

Concentration: 16,64 ug/mL



Date : 30-JUN-2022 19:23

Client ID:

Instrument: nt10.i

Sample Info: BKF0469-MSD1

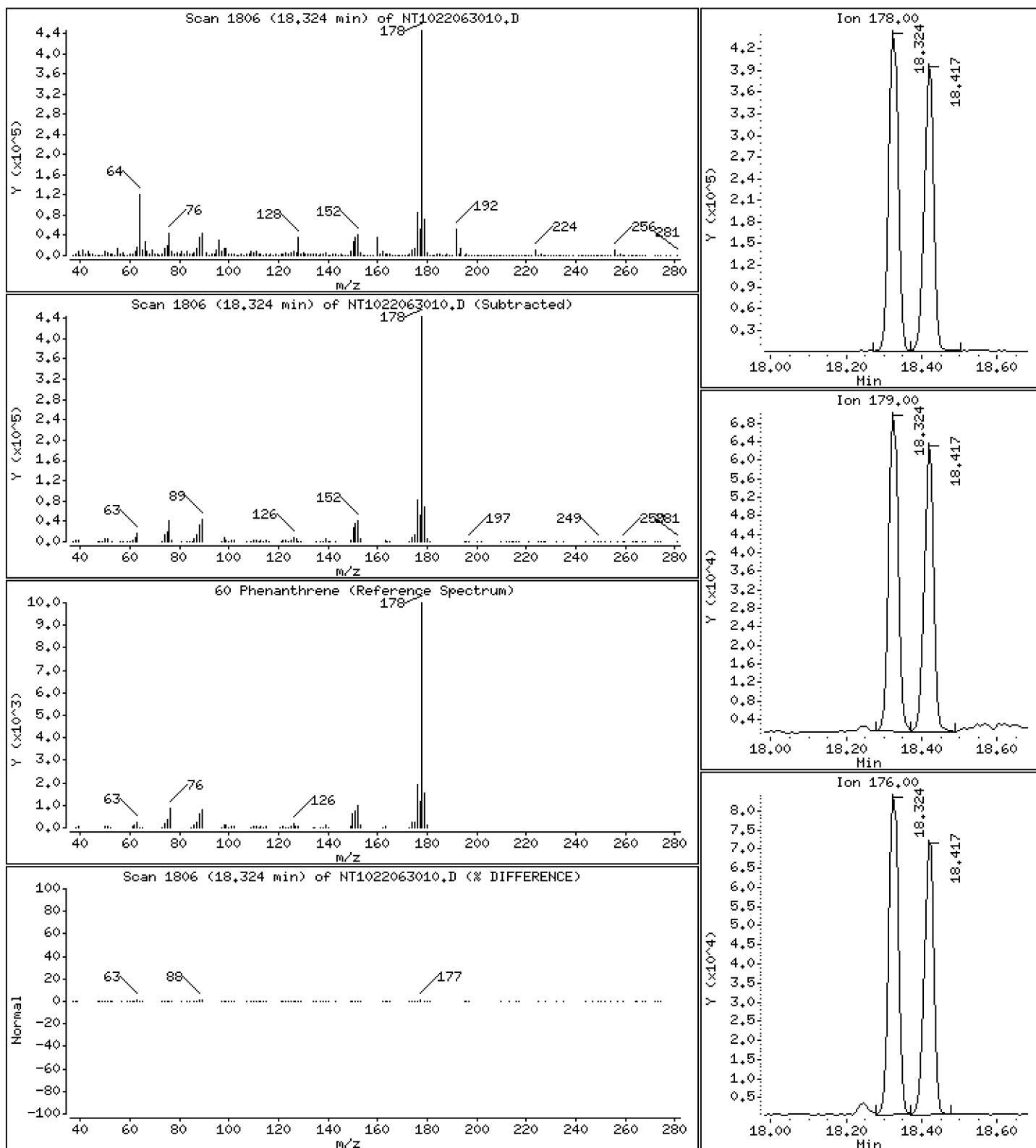
Operator: VTS

Column phase: ZB-5msi

Column diameter: 0,25

60 Phenanthrene

Concentration: 4,991 ug/mL



Date : 30-JUN-2022 19:23

Client ID:

Instrument: nt10.i

Sample Info: BKF0469-MSD1

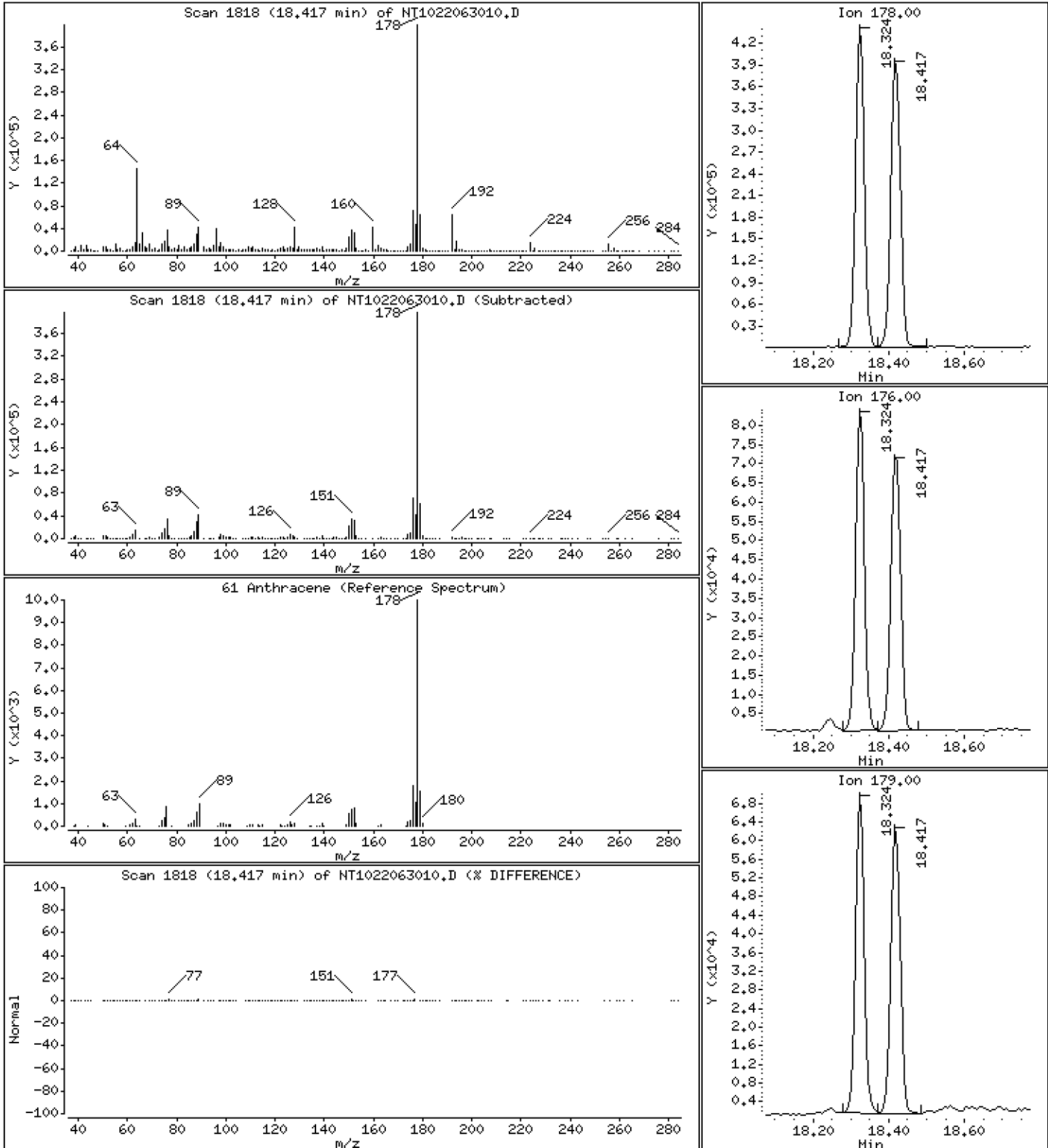
Operator: VTS

Column phase: ZB-5msi

Column diameter: 0,25

61 Anthracene

Concentration: 4,301 ug/mL



Date : 30-JUN-2022 19:23

Client ID:

Instrument: nt10.i

Sample Info: BKF0469-MSD1

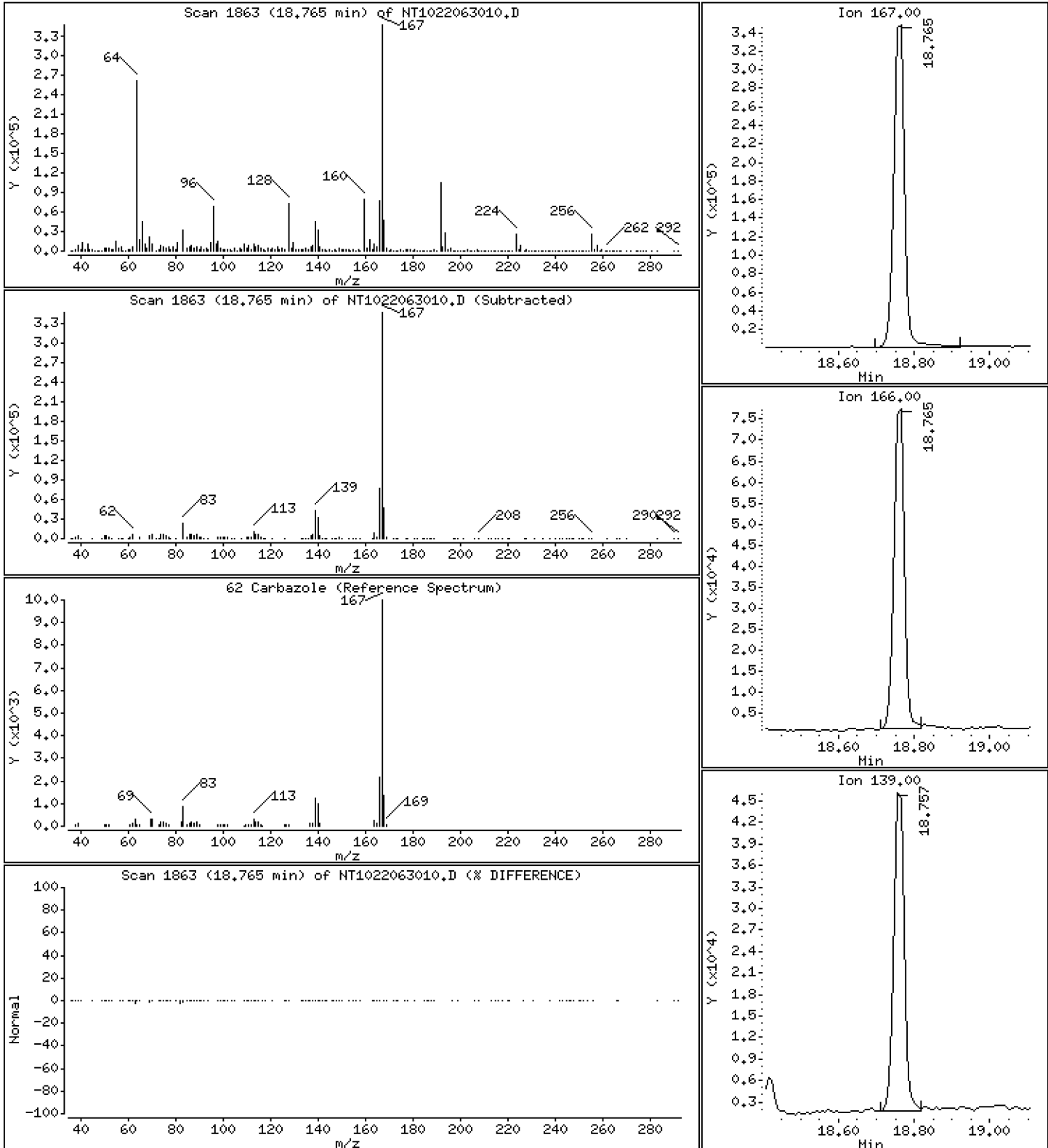
Operator: VTS

Column phase: ZB-5msi

Column diameter: 0.25

62 Carbazole

Concentration: 4.450 ug/mL



Date : 30-JUN-2022 19:23

Client ID:

Instrument: nt10.i

Sample Info: BKF0469-MSD1

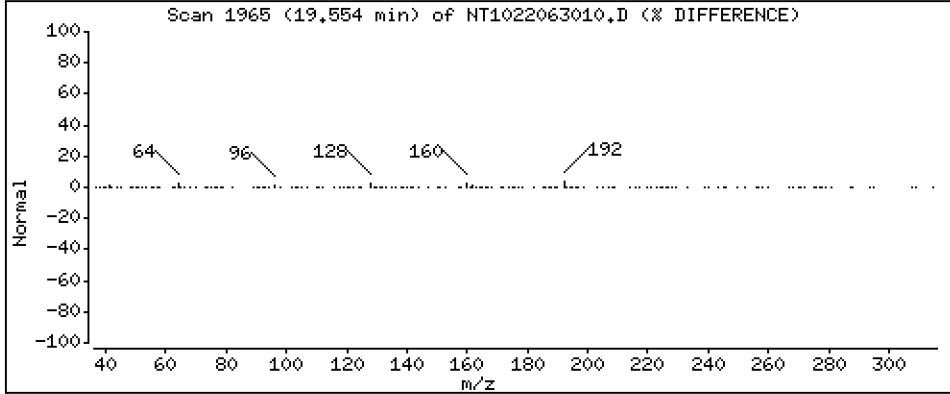
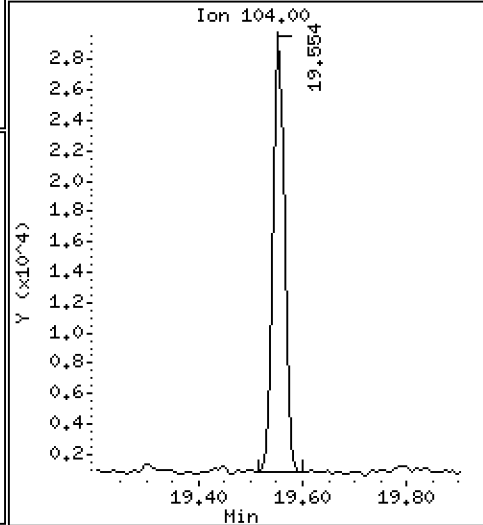
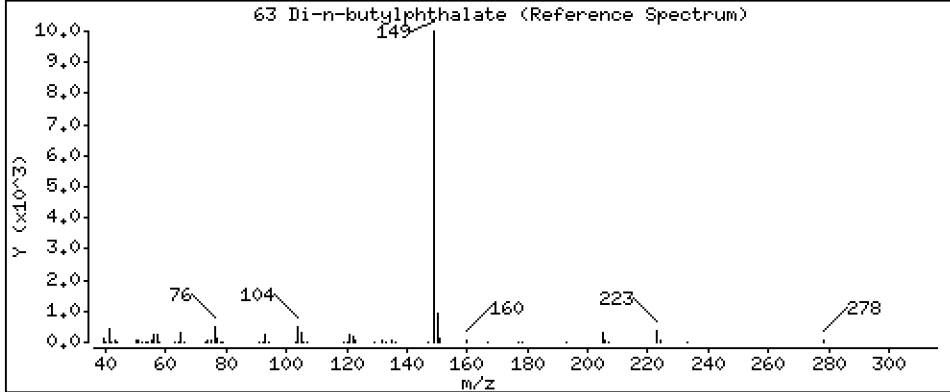
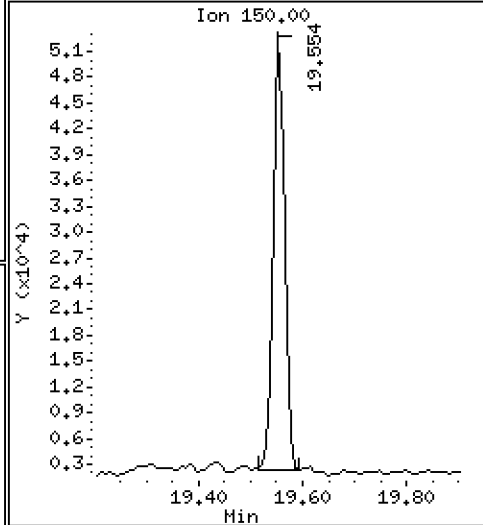
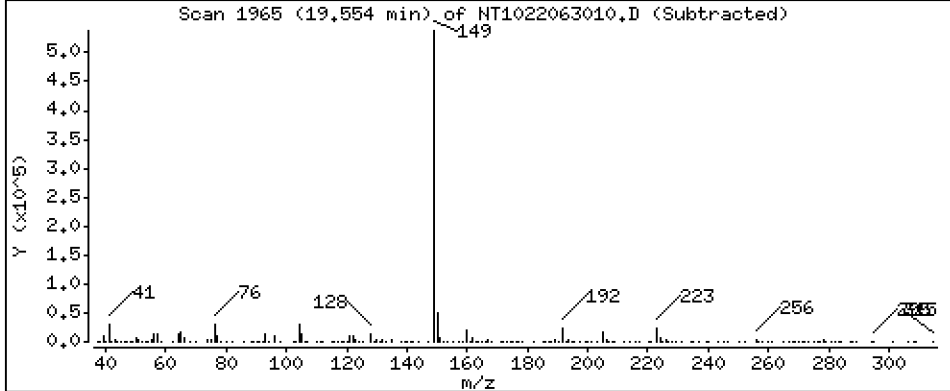
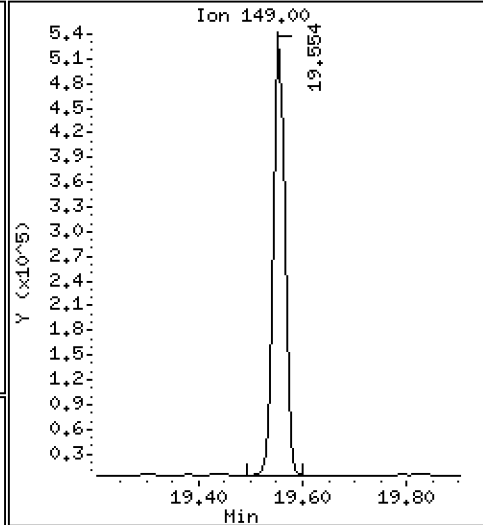
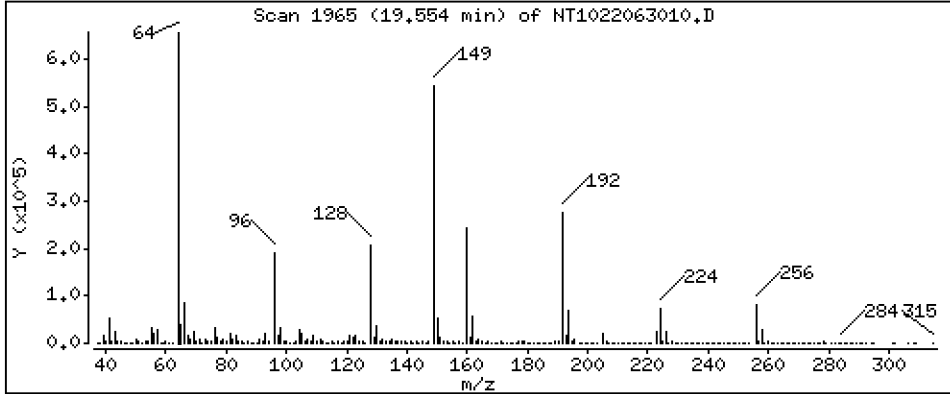
Operator: VTS

Column phase: ZB-5msi

Column diameter: 0,25

63 Di-n-butylphthalate

Concentration: 3,452 ug/mL



Date : 30-JUN-2022 19:23

Client ID:

Instrument: nt10.i

Sample Info: BKF0469-MSD1

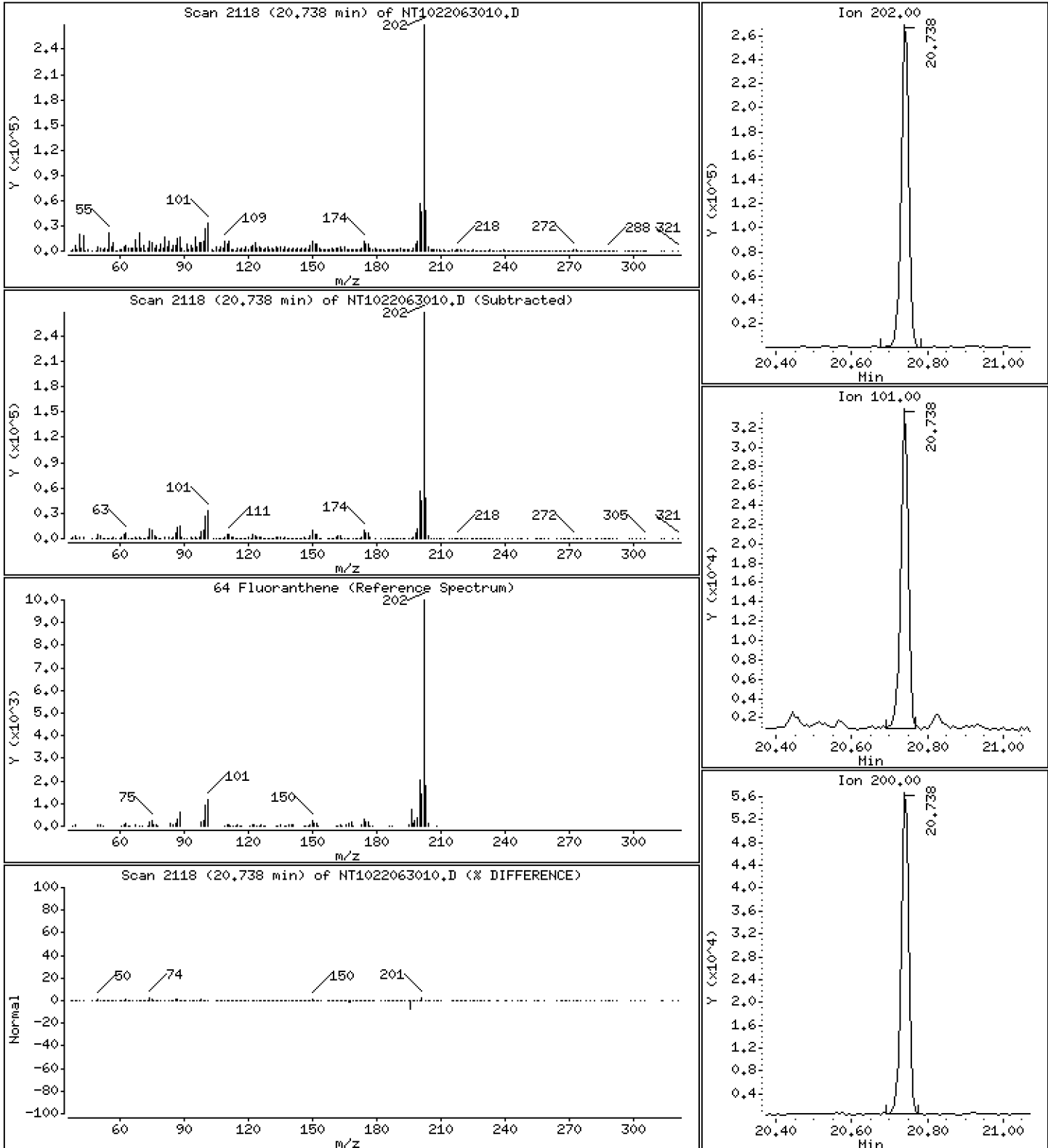
Operator: VTS

Column phase: ZB-5msi

Column diameter: 0,25

64 Fluoranthene

Concentration: 4,256 ug/mL



Date : 30-JUN-2022 19:23

Client ID:

Instrument: nt10.i

Sample Info: BKF0469-MSD1

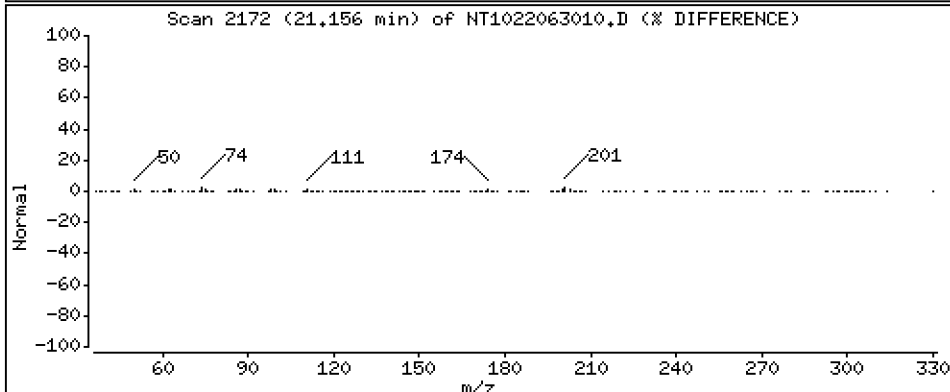
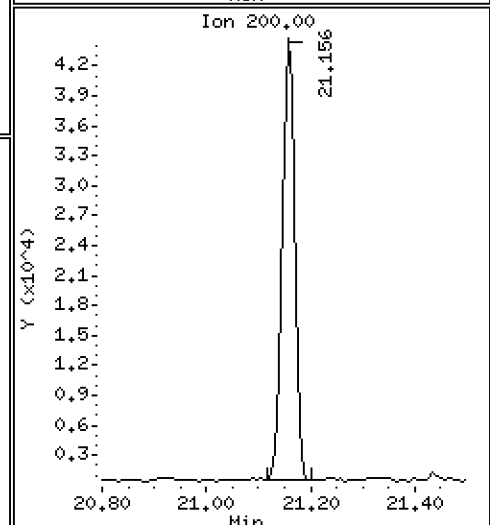
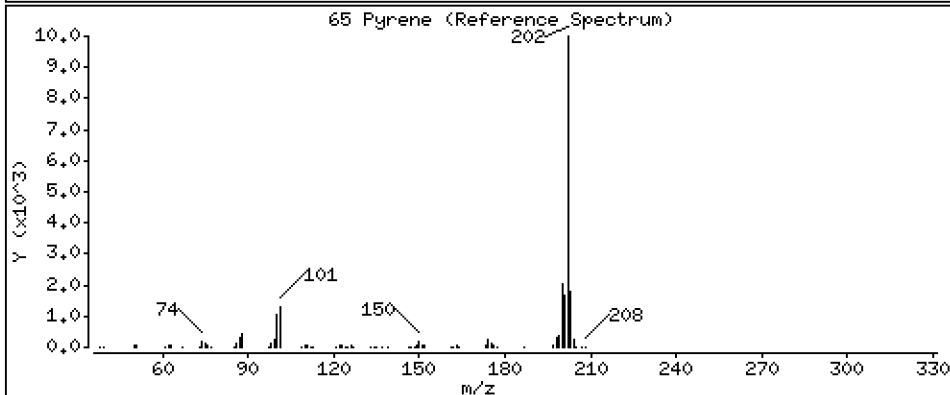
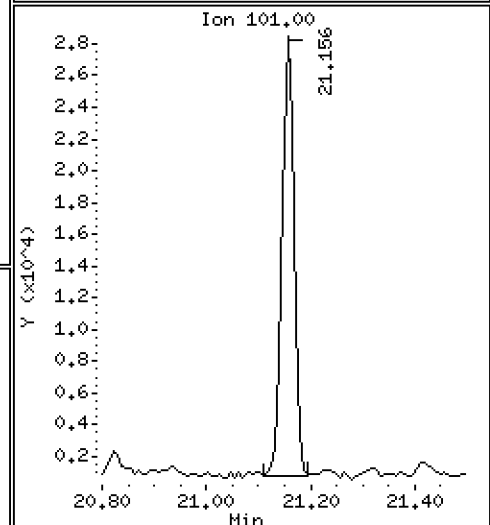
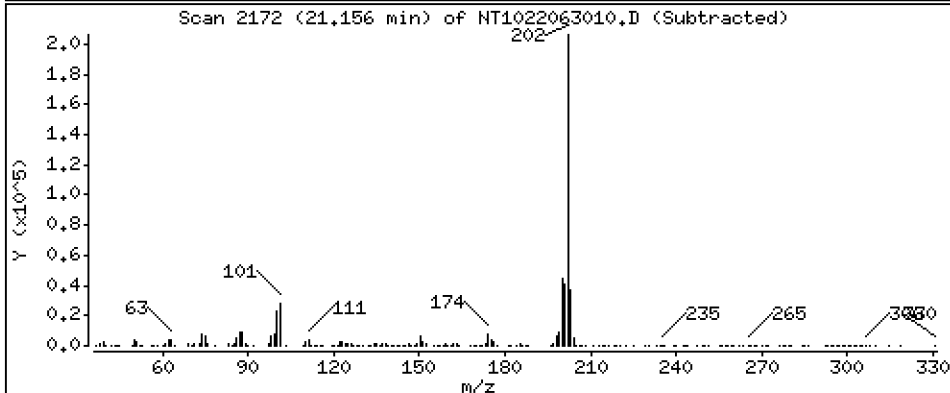
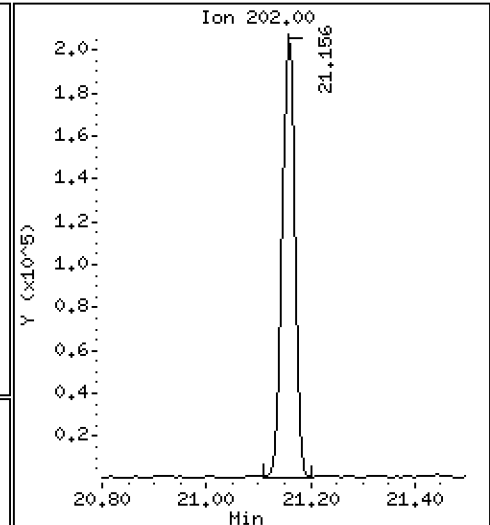
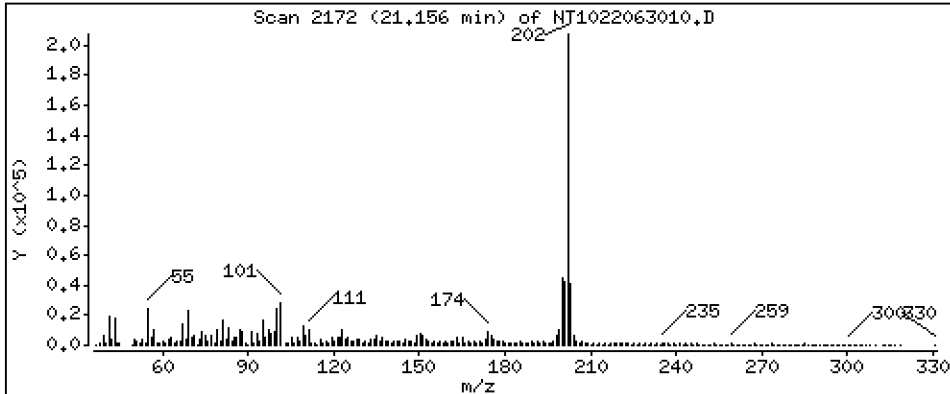
Operator: VTS

Column phase: ZB-5msi

Column diameter: 0,25

65 Pyrene

Concentration: 4,103 ug/mL



Date : 30-JUN-2022 19:23

Client ID:

Instrument: nt10.i

Sample Info: BKF0469-MSD1

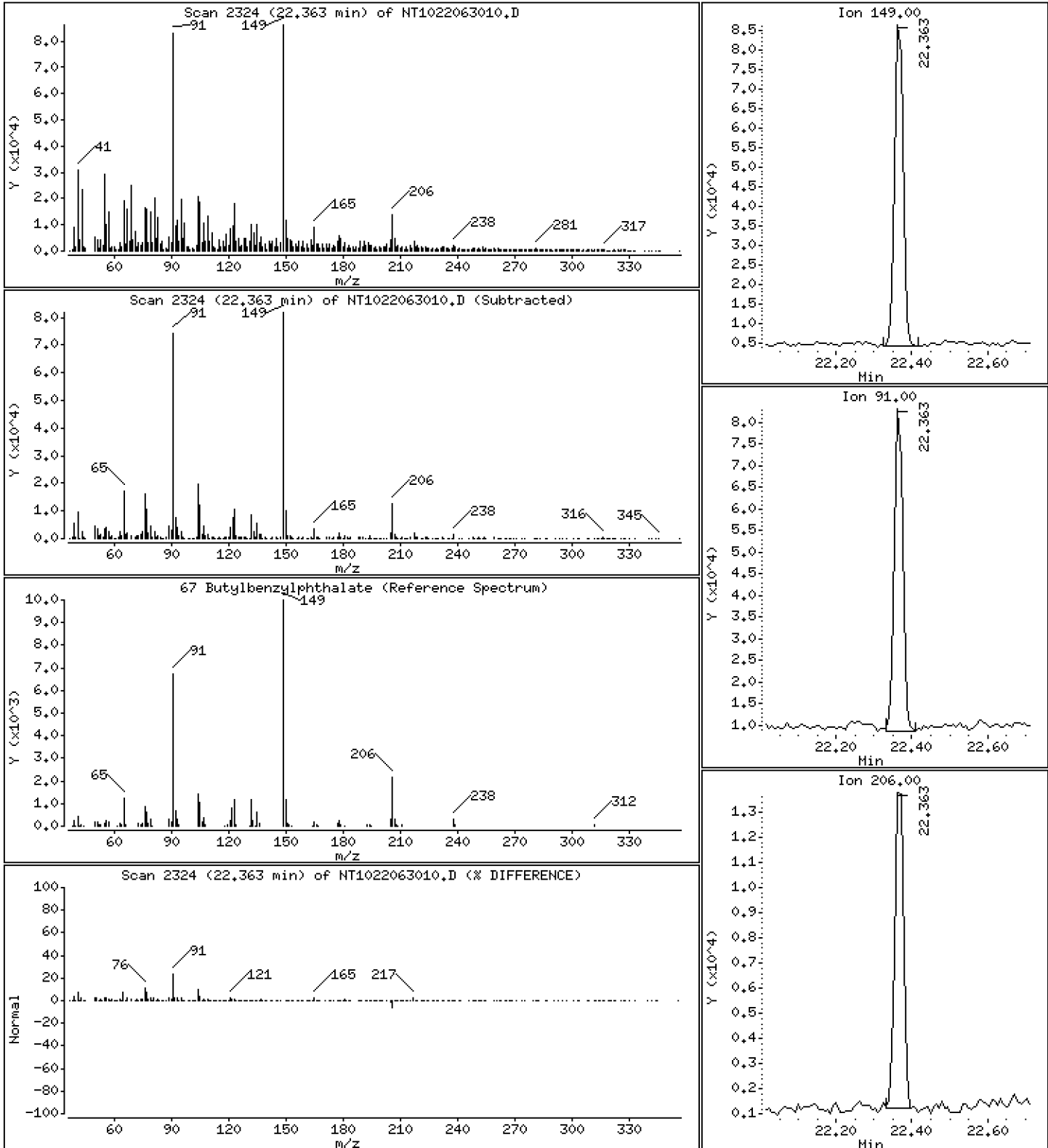
Operator: VTS

Column phase: ZB-5msi

Column diameter: 0,25

67 Butylbenzylphthalate

Concentration: 4,791 ug/mL



Date : 30-JUN-2022 19:23

Client ID:

Instrument: nt10.i

Sample Info: BKF0469-MSD1

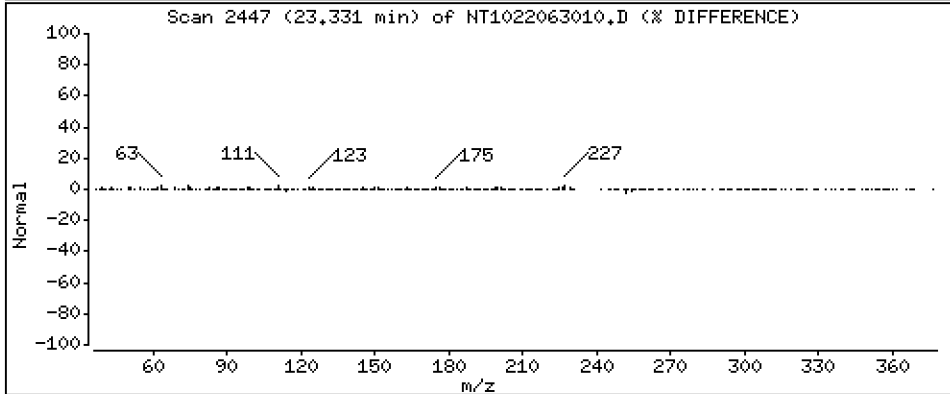
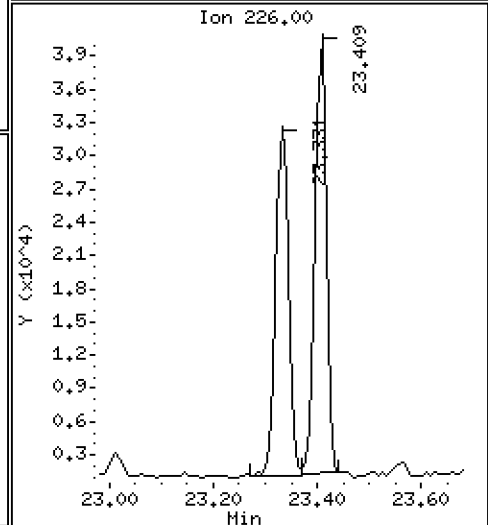
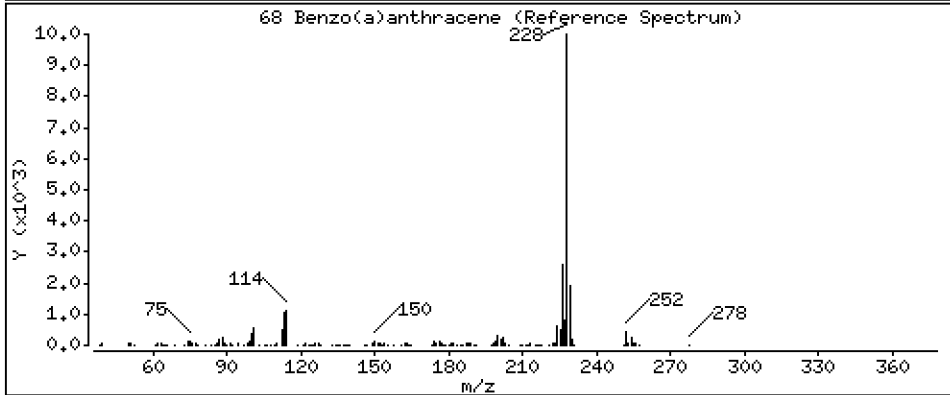
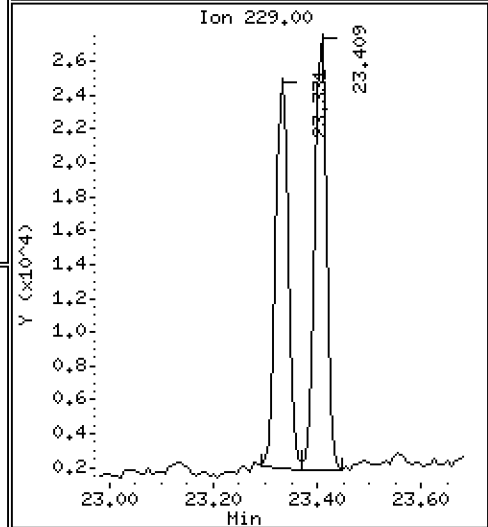
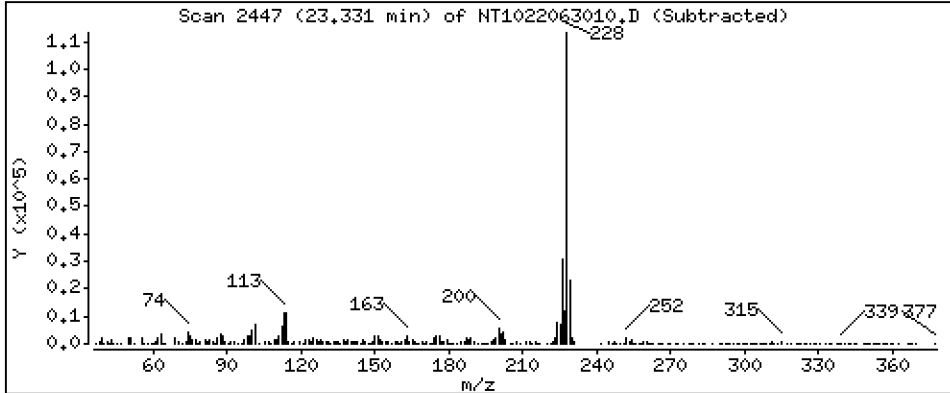
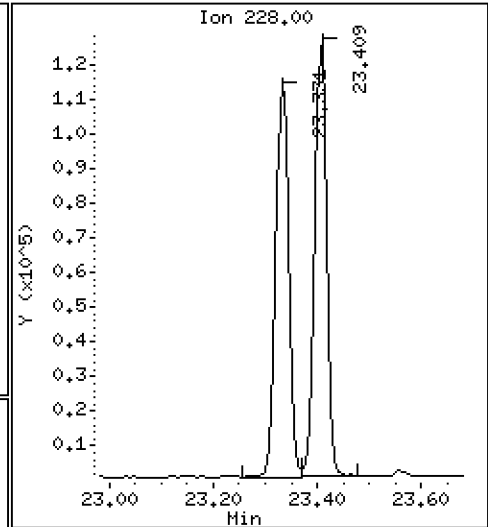
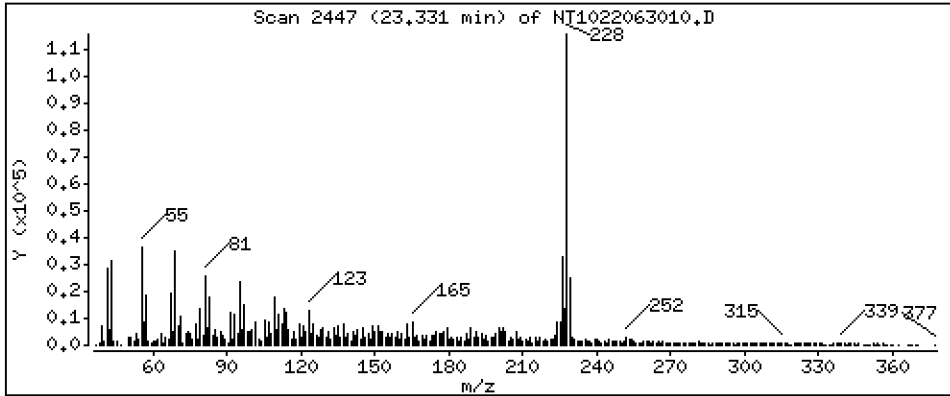
Operator: VTS

Column phase: ZB-5msi

Column diameter: 0,25

68 Benzo(a)anthracene

Concentration: 3,565 ug/mL



Date : 30-JUN-2022 19:23

Client ID:

Instrument: nt10.i

Sample Info: BKF0469-MSD1

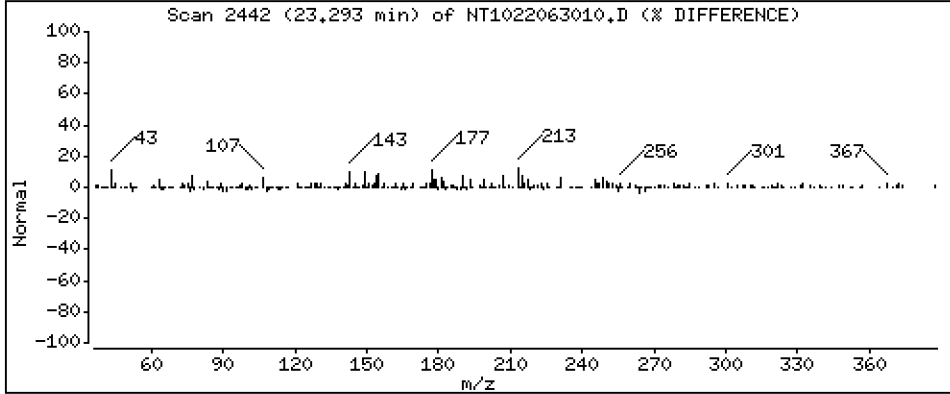
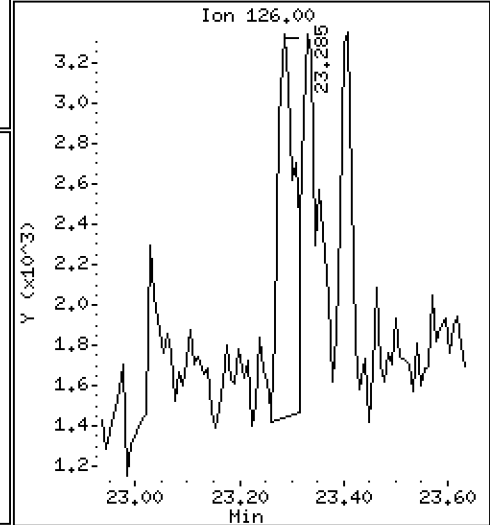
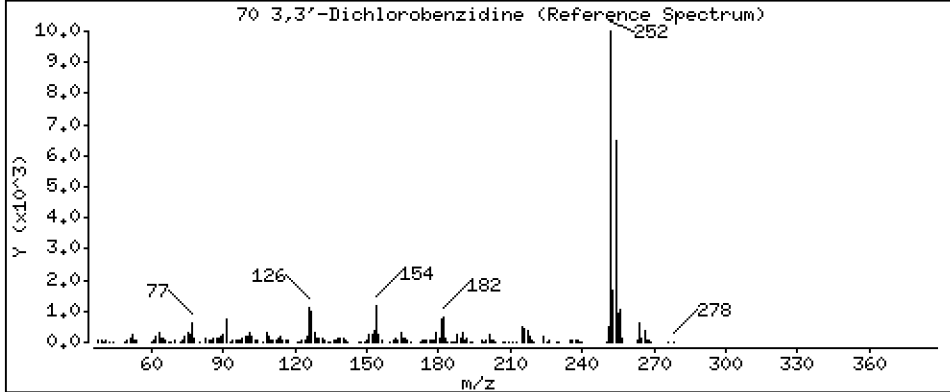
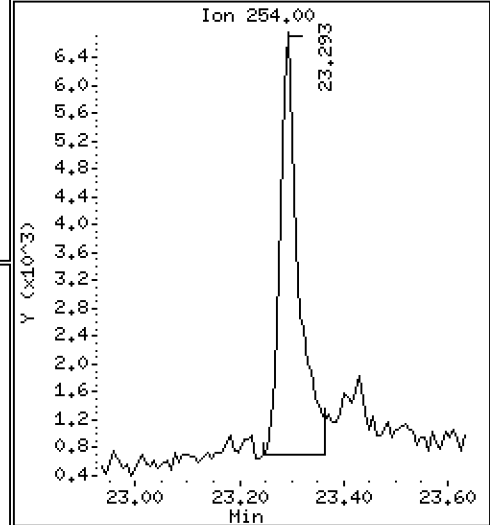
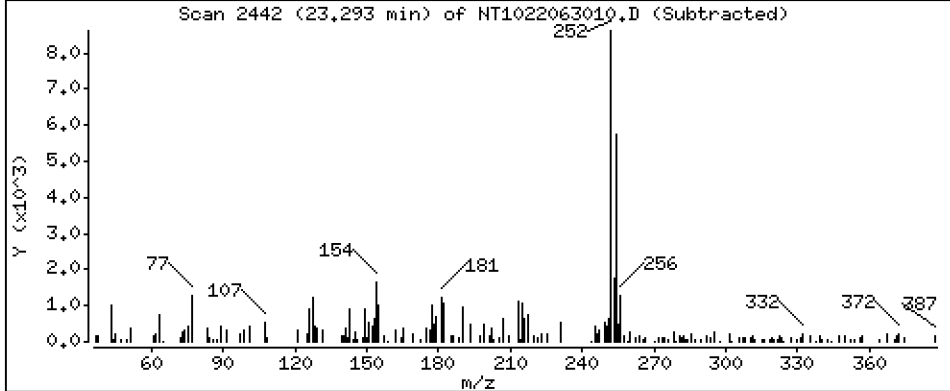
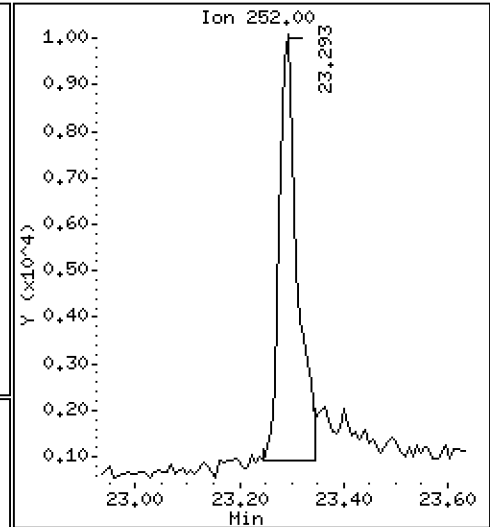
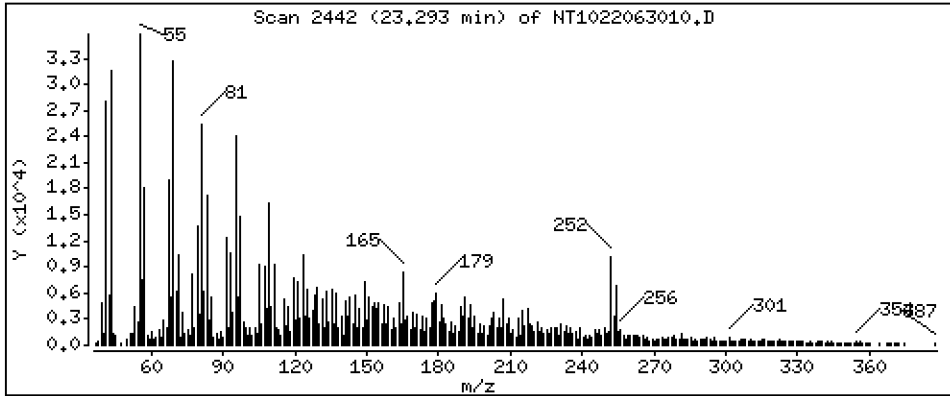
Operator: VTS

Column phase: ZB-5msi

Column diameter: 0,25

70 3,3'-Dichlorobenzidine

Concentration: 1,248 ug/mL



Date : 30-JUN-2022 19:23

Client ID:

Instrument: nt10.i

Sample Info: BKF0469-MSD1

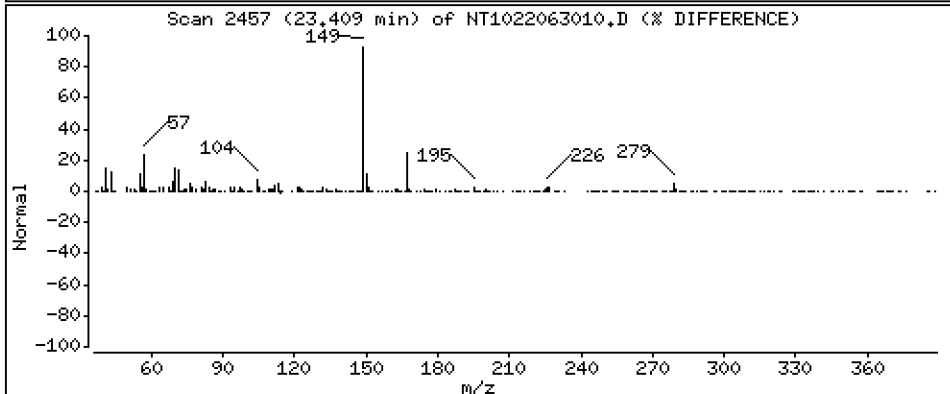
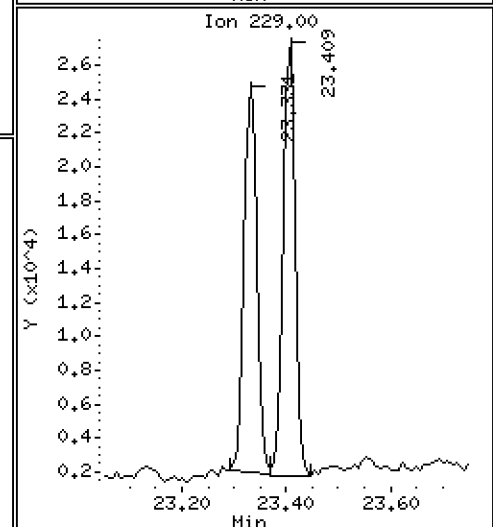
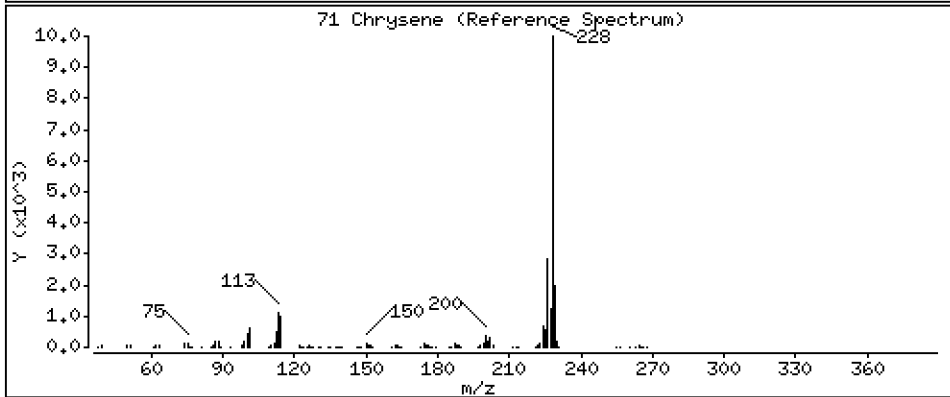
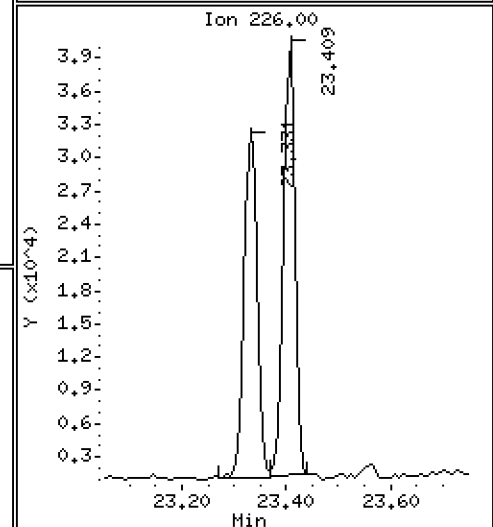
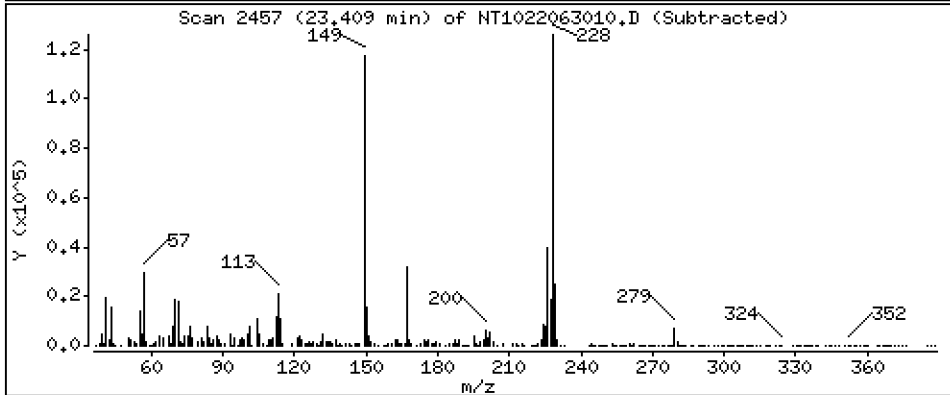
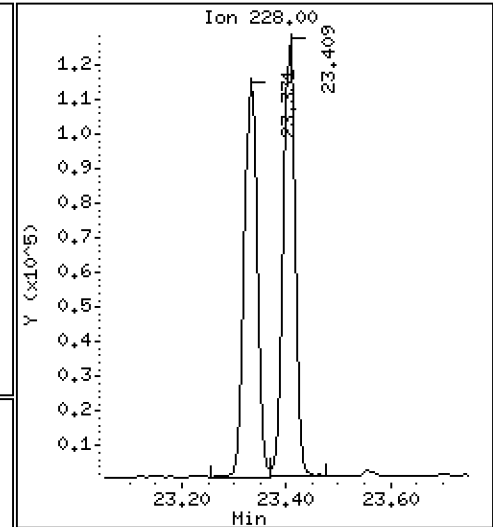
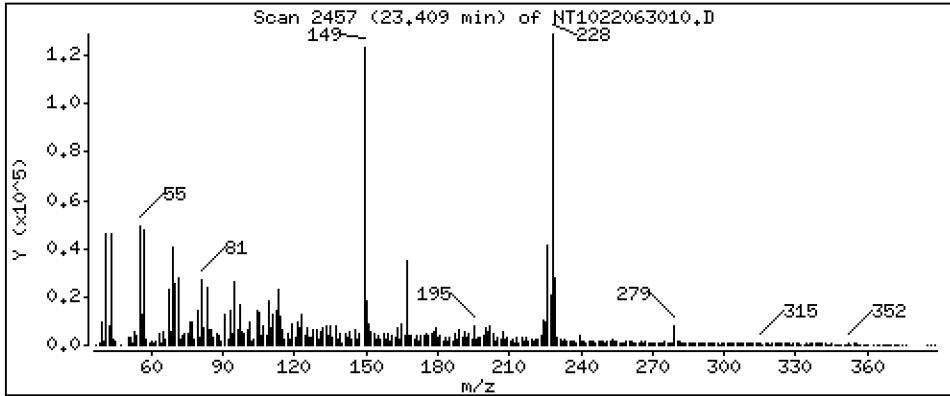
Operator: VTS

Column phase: ZB-5msi

Column diameter: 0,25

71 Chrysene

Concentration: 5,049 ug/mL



Date : 30-JUN-2022 19:23

Client ID:

Instrument: nt10.i

Sample Info: BKF0469-MSD1

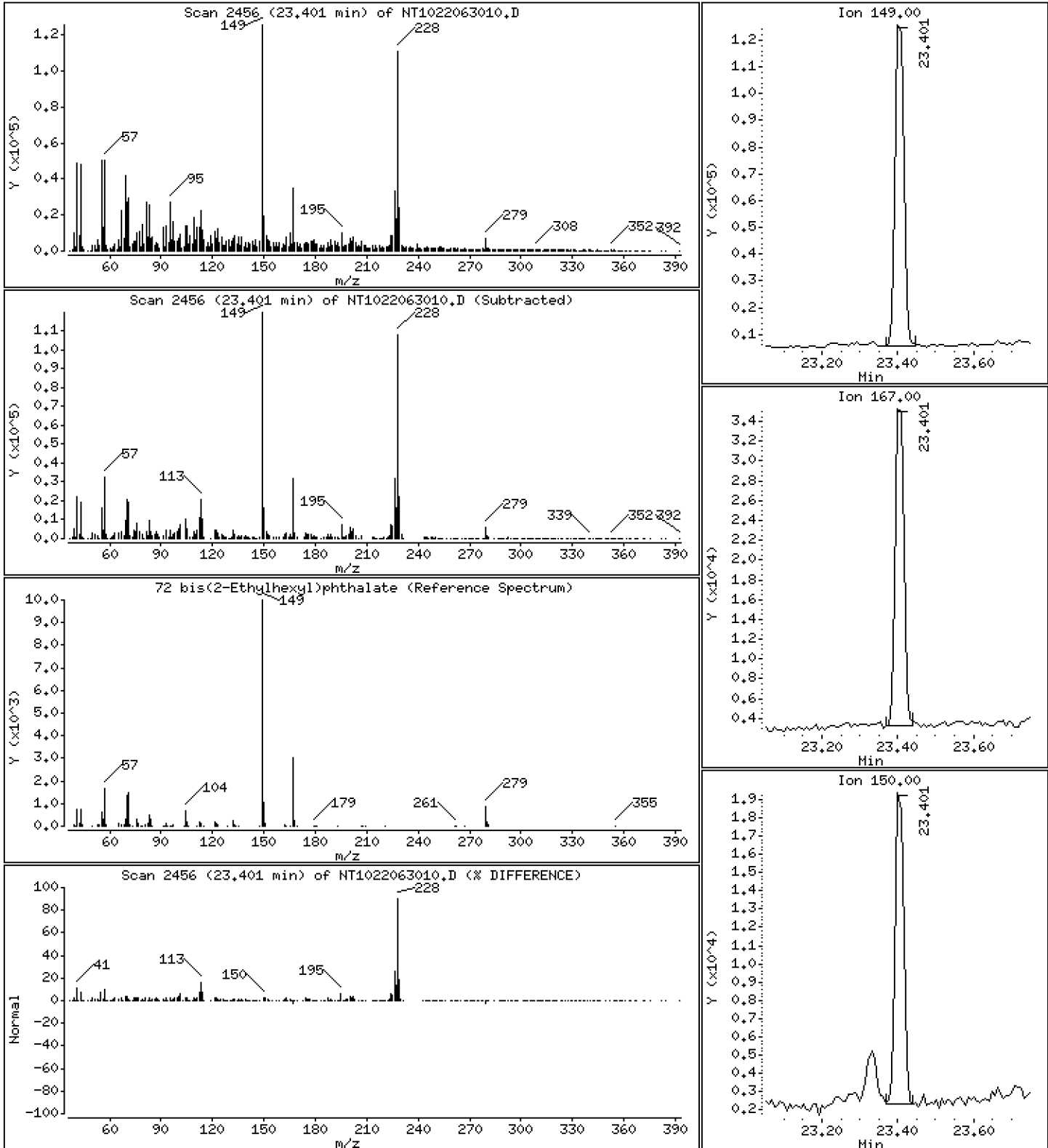
Operator: VTS

Column phase: ZB-5msi

Column diameter: 0,25

72 bis(2-Ethylhexyl)phthalate

Concentration: 5,341 ug/mL



Date : 30-JUN-2022 19:23

Client ID:

Instrument: nt10.i

Sample Info: BKF0469-MSD1

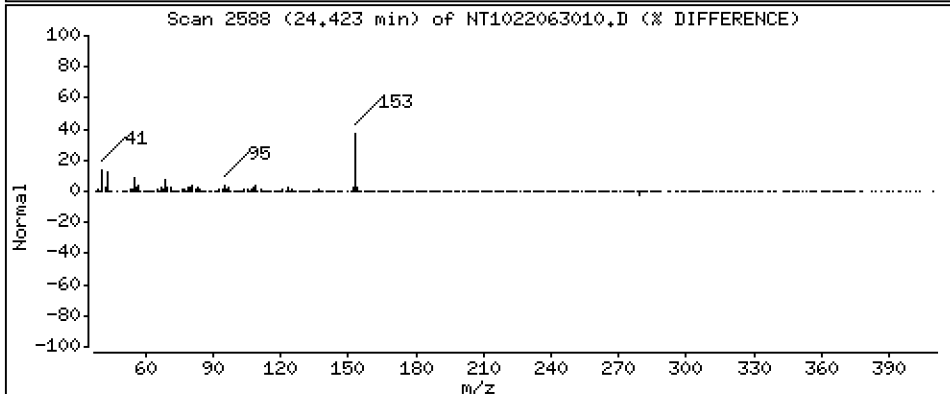
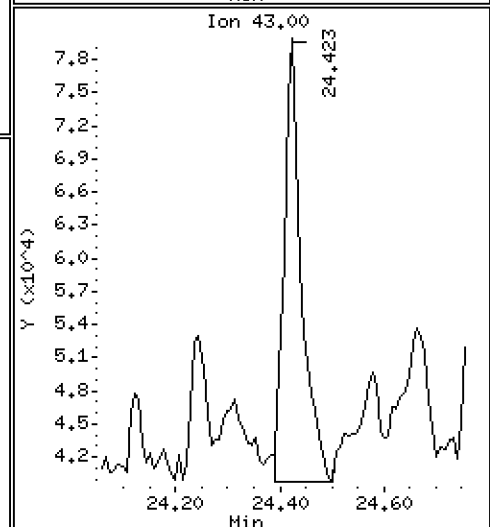
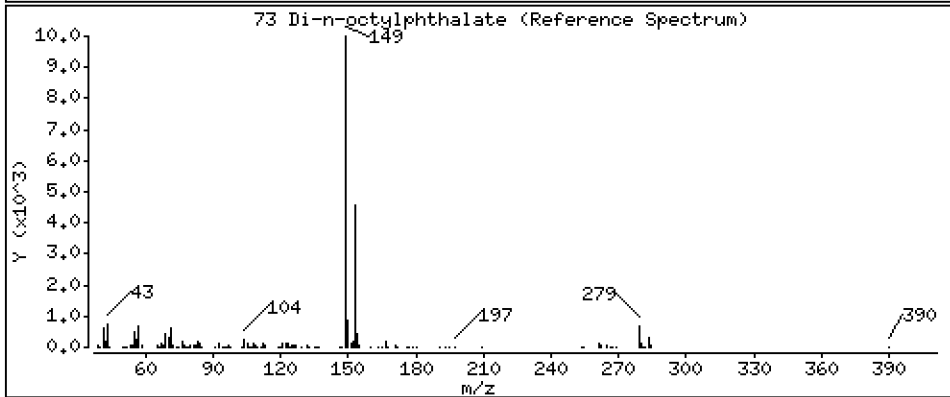
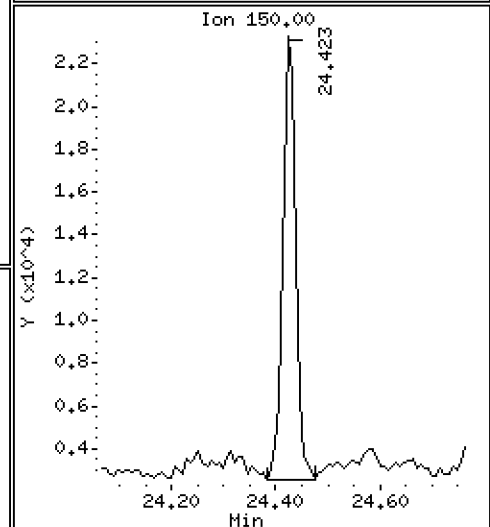
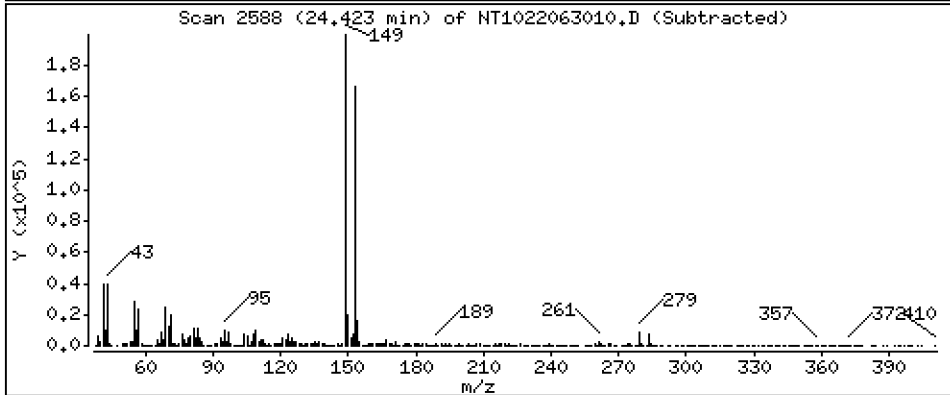
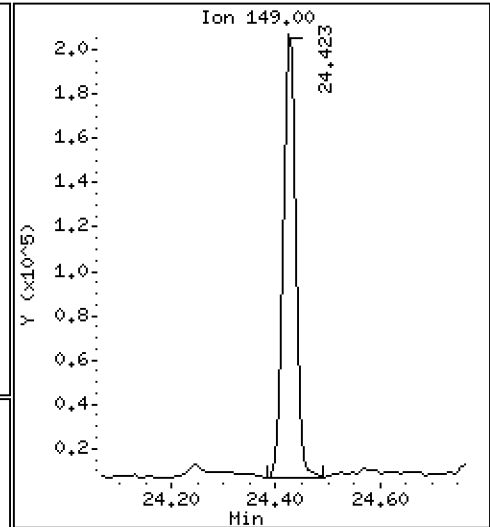
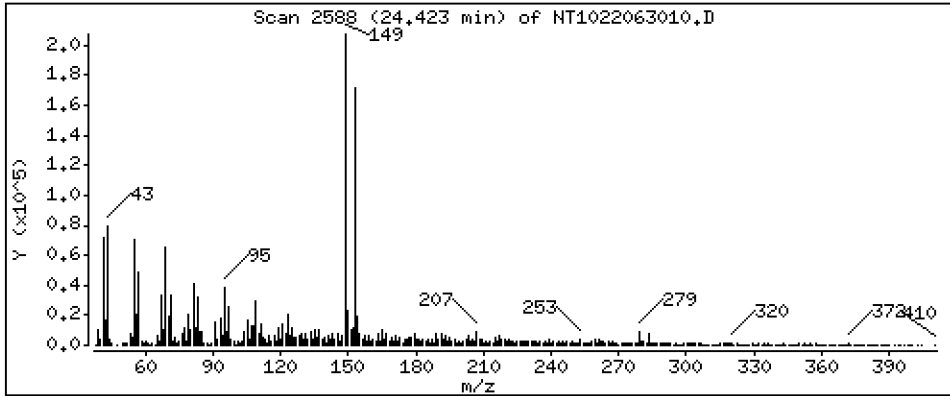
Operator: VTS

Column phase: ZB-5msi

Column diameter: 0,25

73 Di-n-octylphthalate

Concentration: 4,570 ug/mL



Date : 30-JUN-2022 19:23

Client ID:

Instrument: nt10.i

Sample Info: BKF0469-MSD1

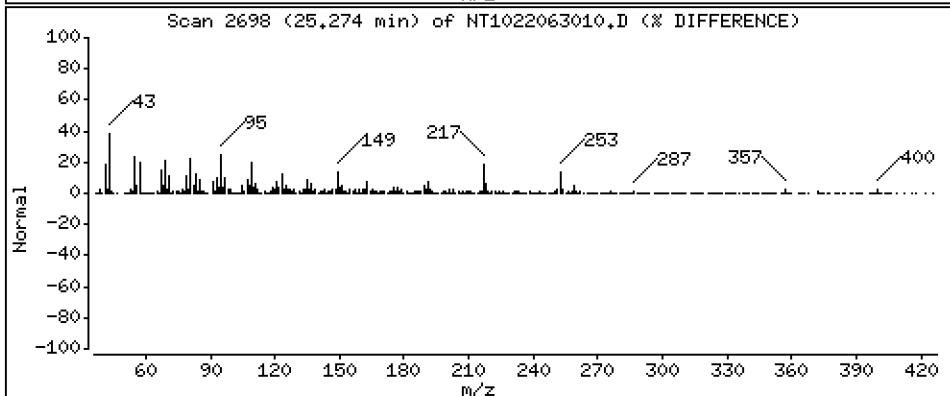
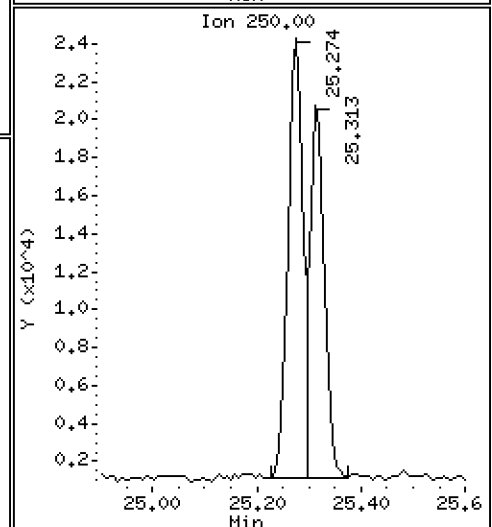
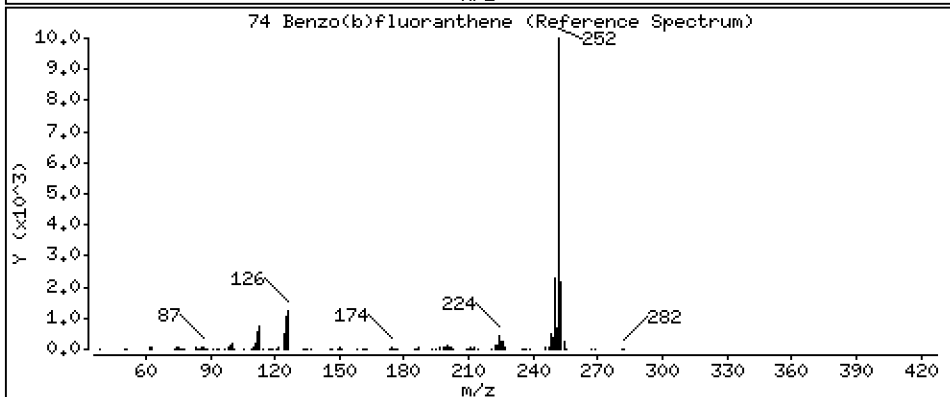
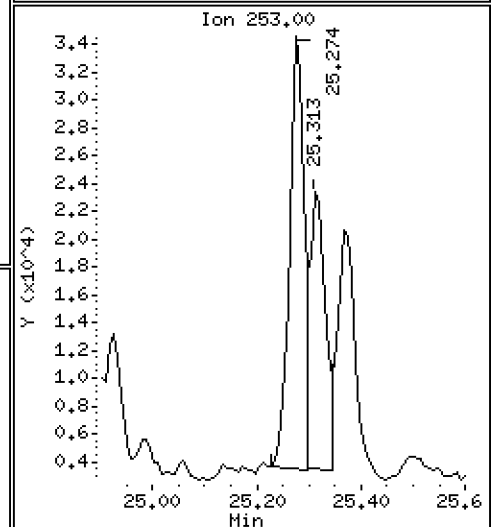
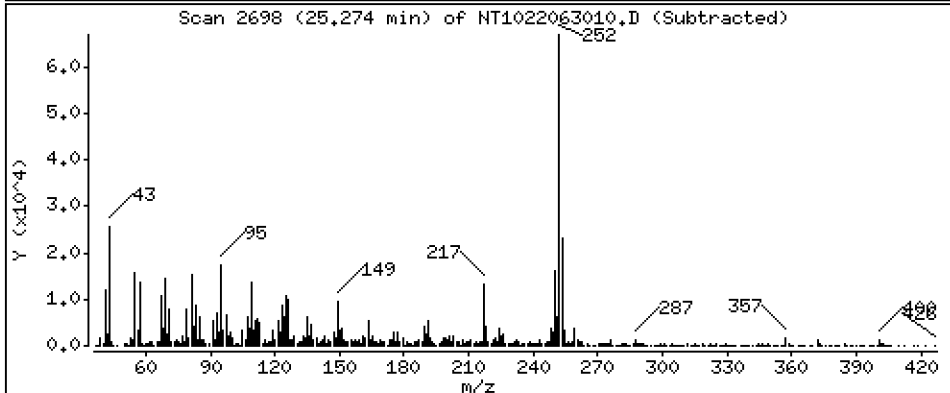
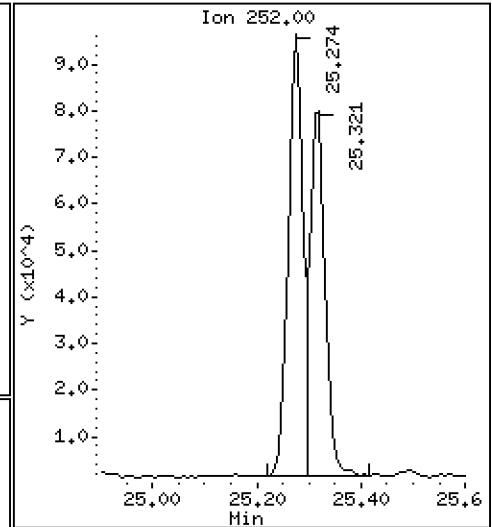
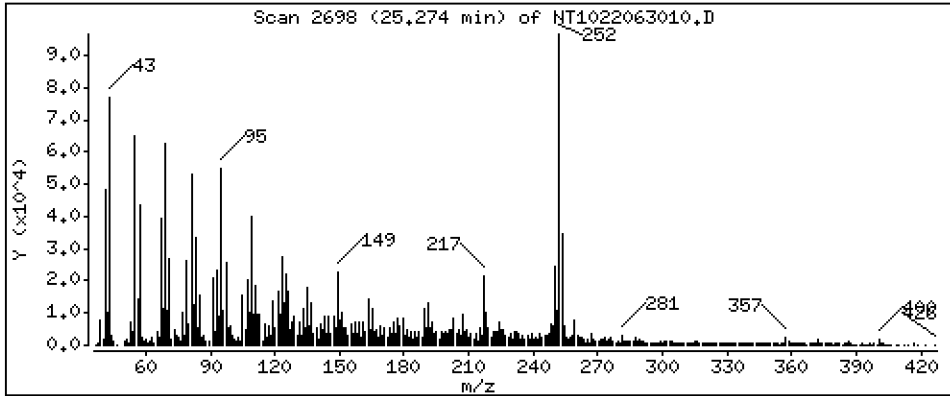
Operator: VTS

Column phase: ZB-5msi

Column diameter: 0,25

74 Benzo(b)fluoranthene

Concentration: 3,916 ug/mL



Date : 30-JUN-2022 19:23

Client ID:

Instrument: nt10.i

Sample Info: BKF0469-MSD1

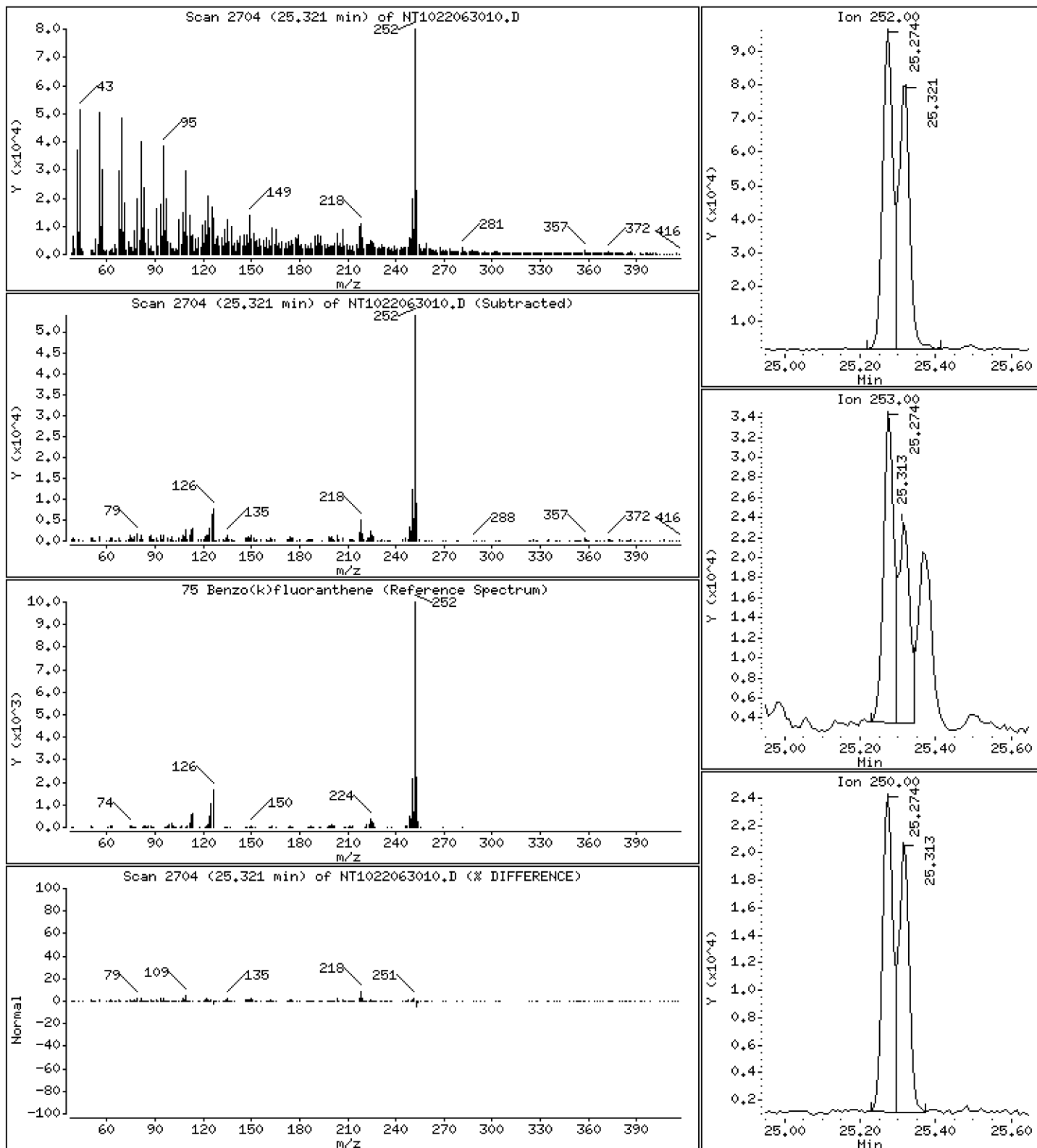
Operator: VTS

Column phase: ZB-5msi

Column diameter: 0,25

75 Benzo(k)fluoranthene

Concentration: 3,405 ug/mL



Date : 30-JUN-2022 19:23

Client ID:

Instrument: nt10.i

Sample Info: BKF0469-MSD1

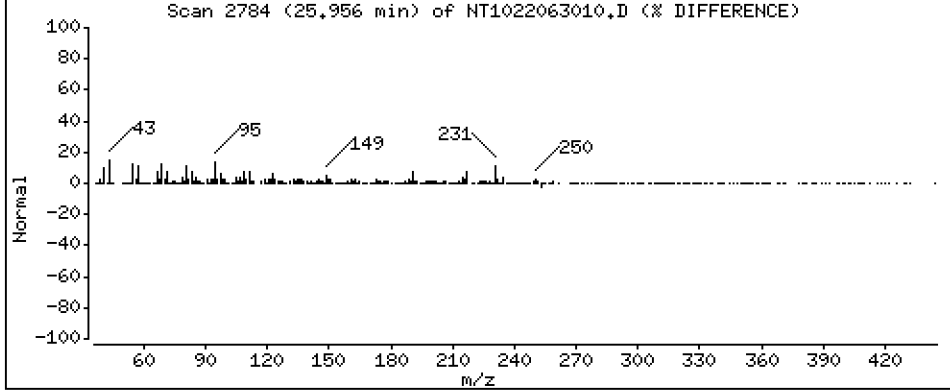
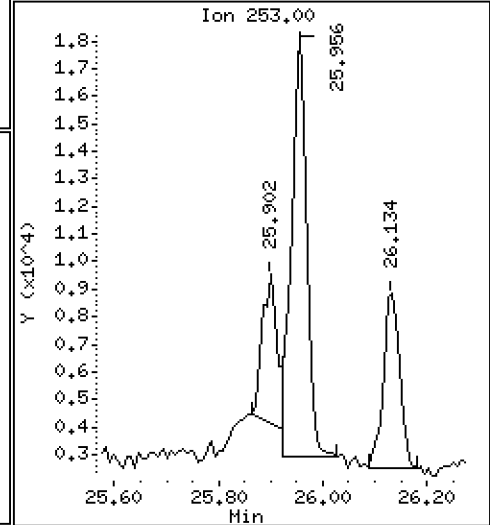
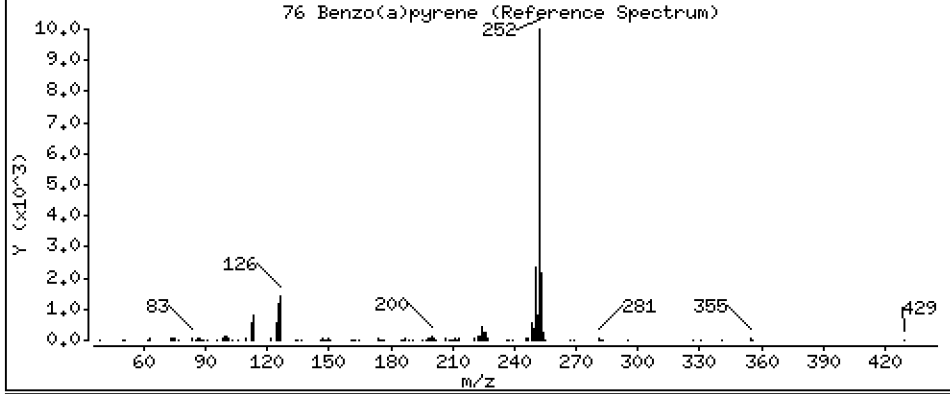
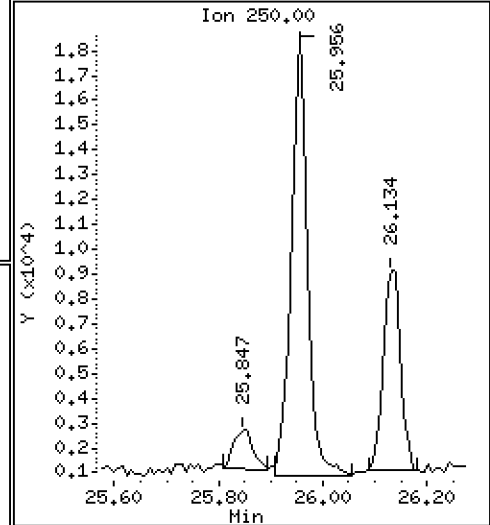
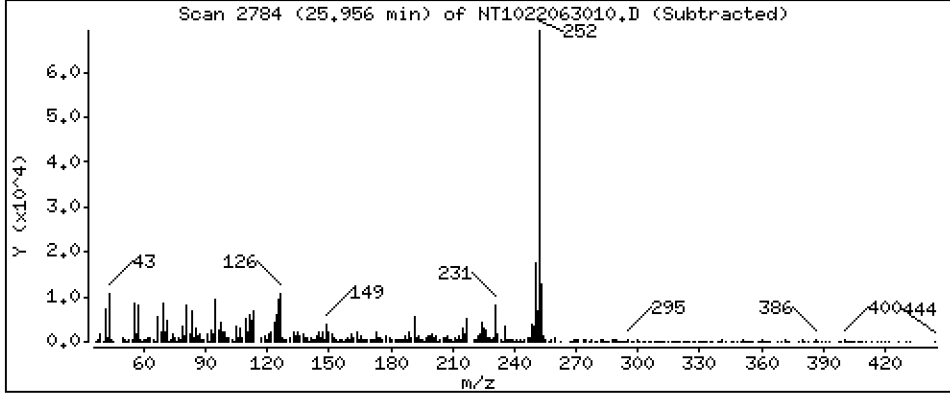
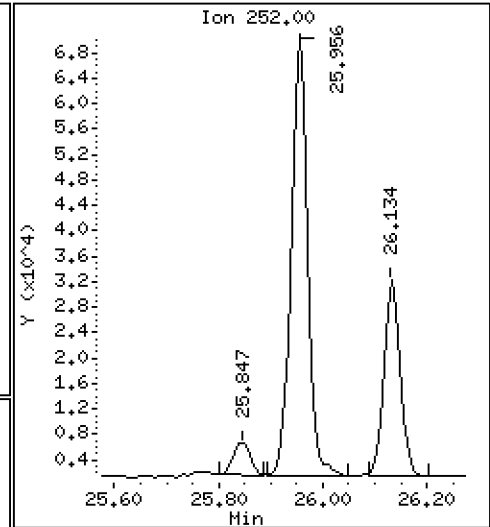
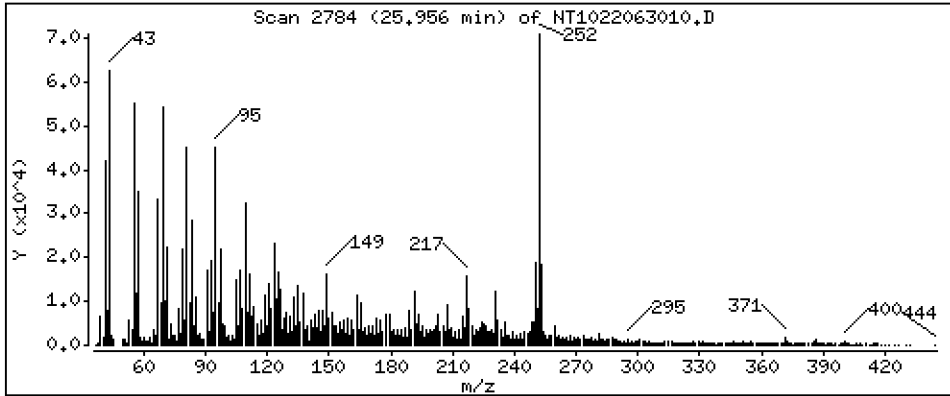
Operator: VTS

Column phase: ZB-5msi

Column diameter: 0,25

76 Benzo(a)pyrene

Concentration: 3,793 ug/mL



Date : 30-JUN-2022 19:23

Client ID:

Instrument: nt10.i

Sample Info: BKF0469-MSD1

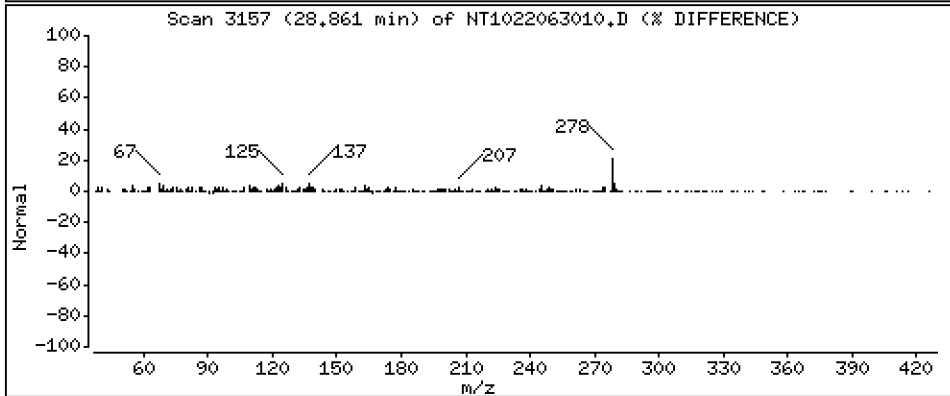
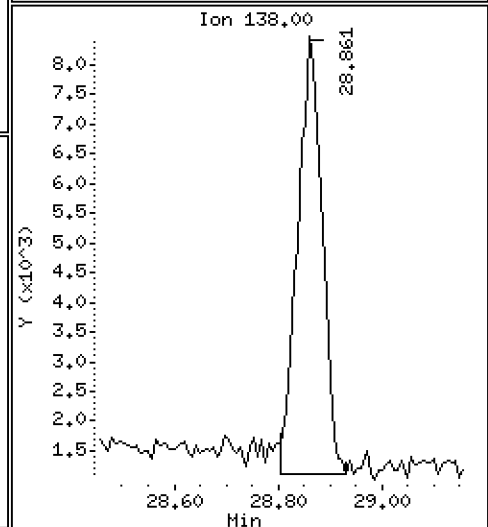
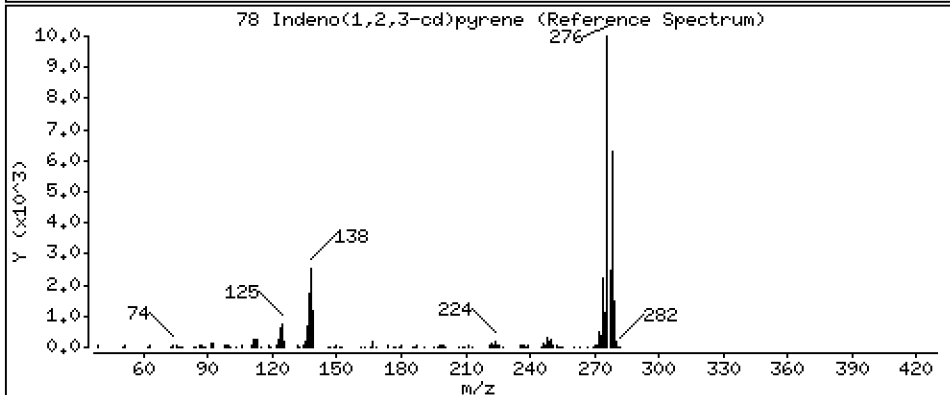
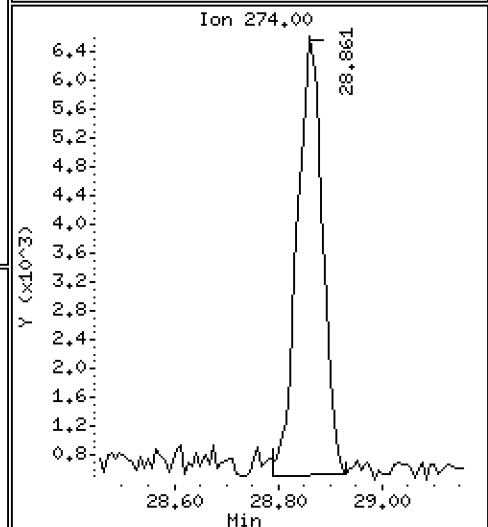
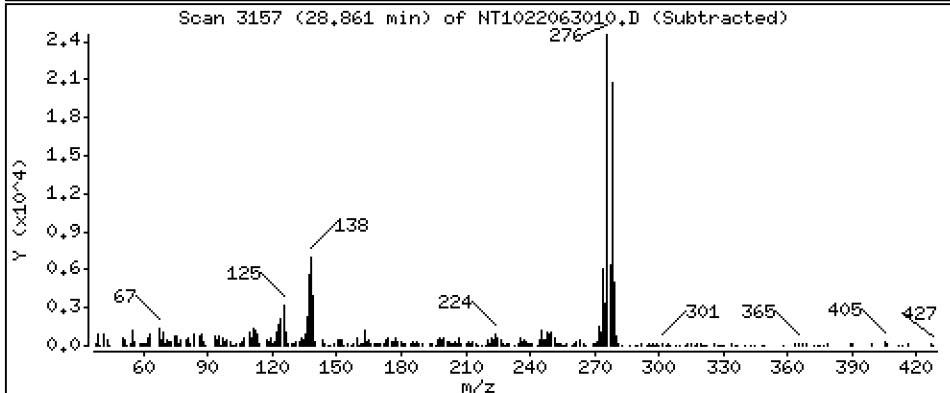
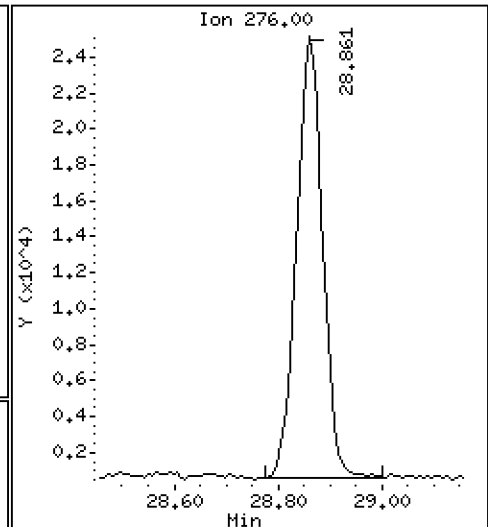
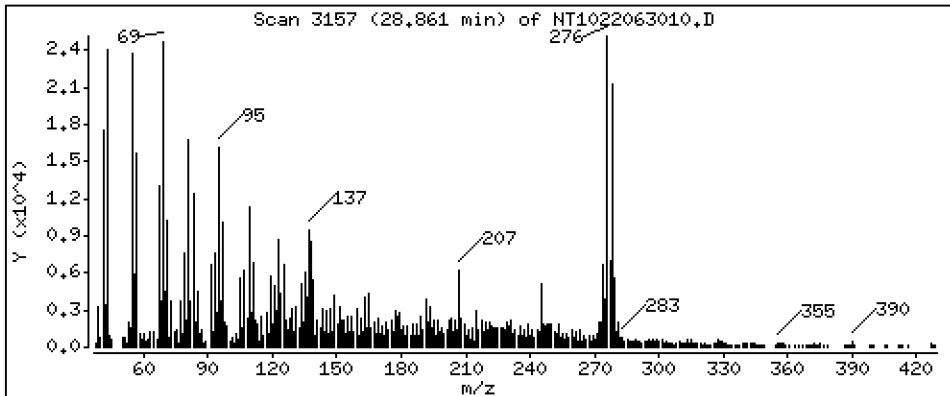
Operator: VTS

Column phase: ZB-5msi

Column diameter: 0,25

78 Indeno(1,2,3-cd)pyrene

Concentration: 2,006 ug/mL



Date : 30-JUN-2022 19:23

Client ID:

Instrument: nt10.i

Sample Info: BKF0469-MSD1

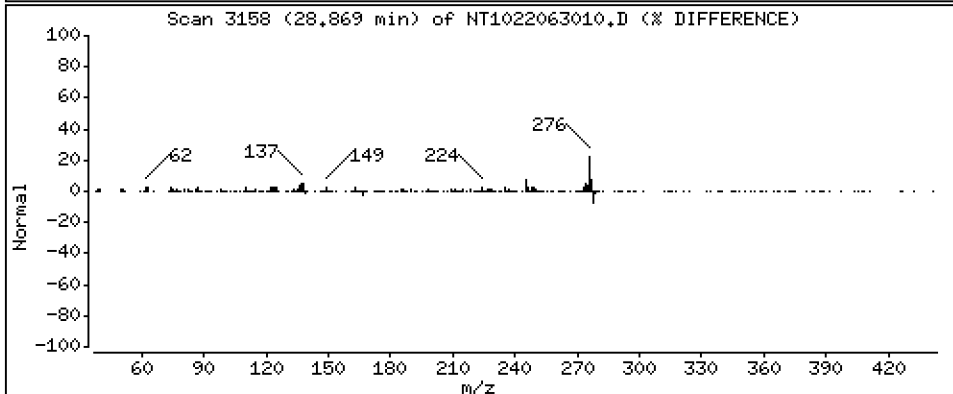
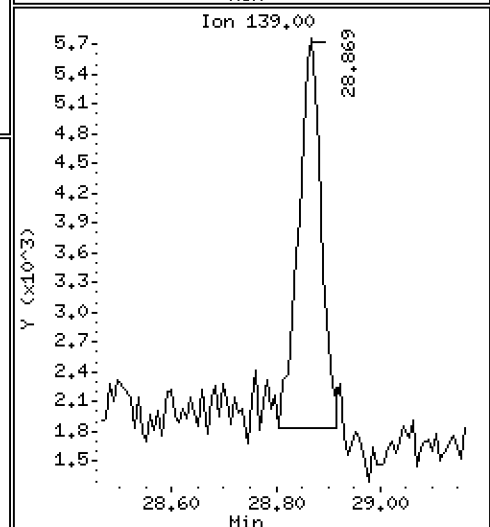
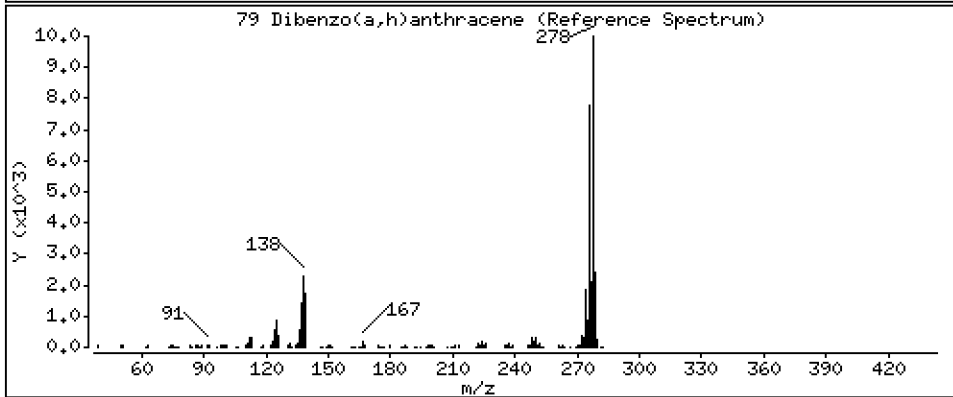
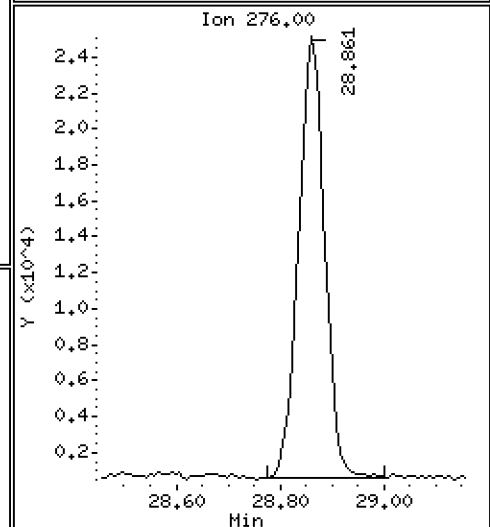
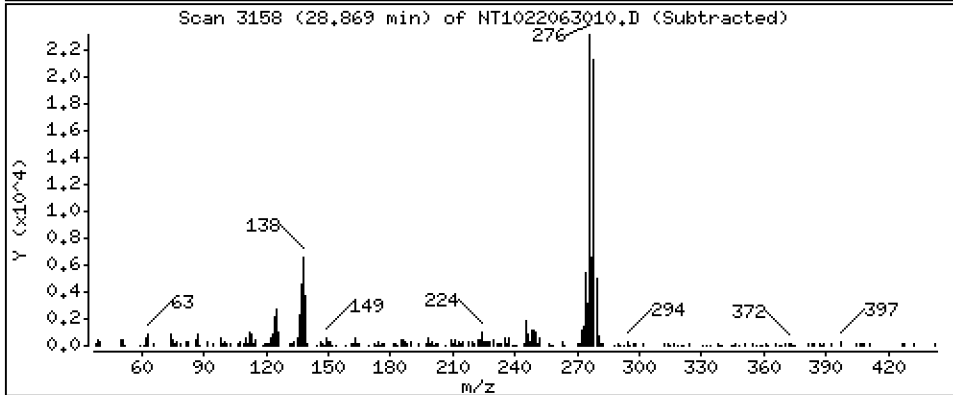
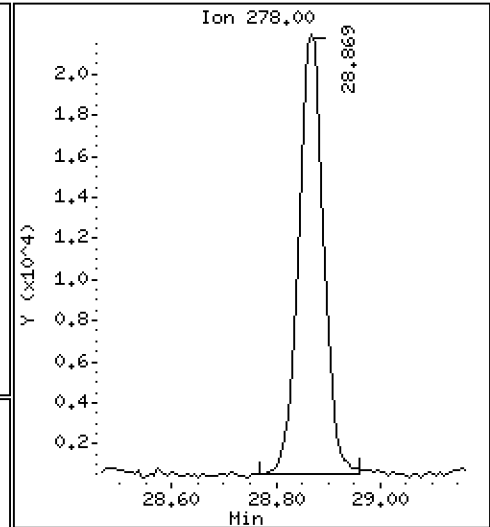
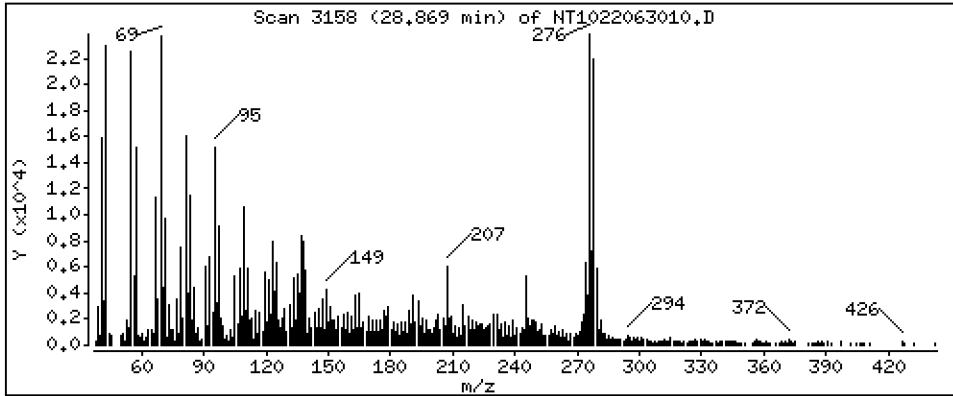
Operator: VTS

Column phase: ZB-5msi

Column diameter: 0,25

79 Dibenzo(a,h)anthracene

Concentration: 2,195 ug/mL



Date : 30-JUN-2022 19:23

Client ID:

Instrument: nt10.i

Sample Info: BKF0469-MSD1

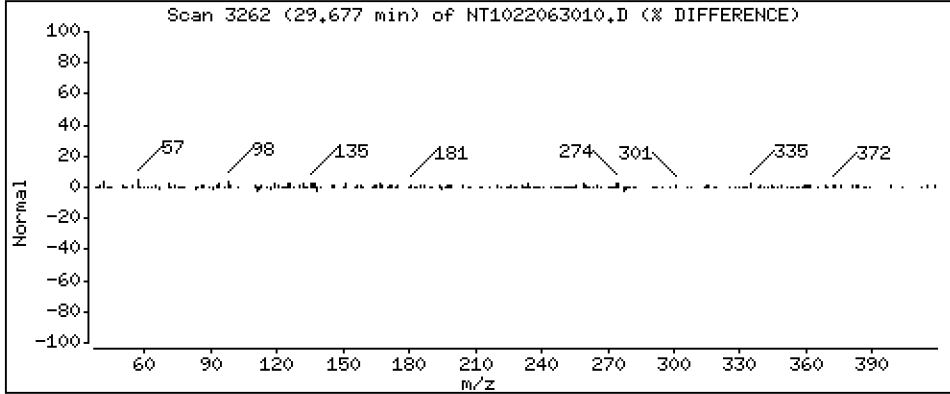
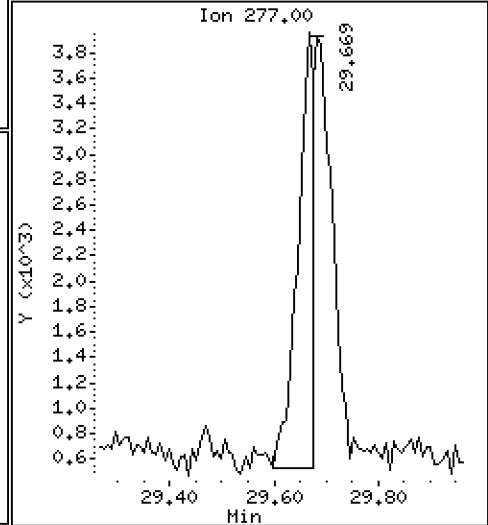
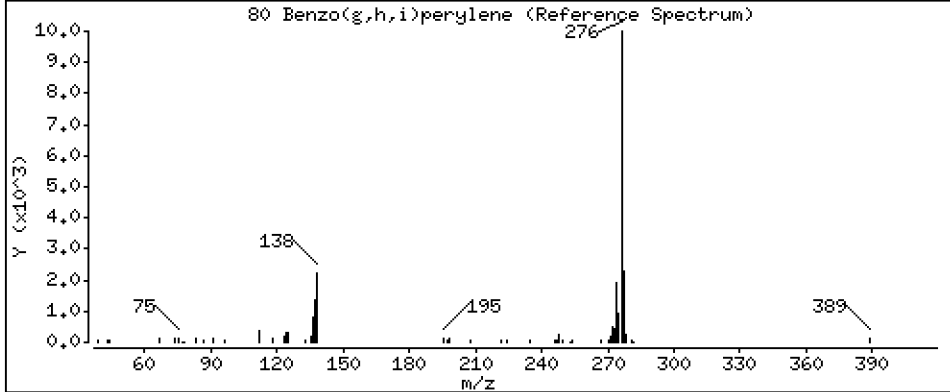
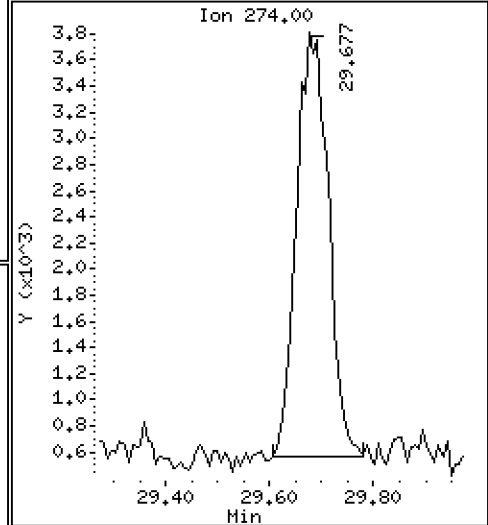
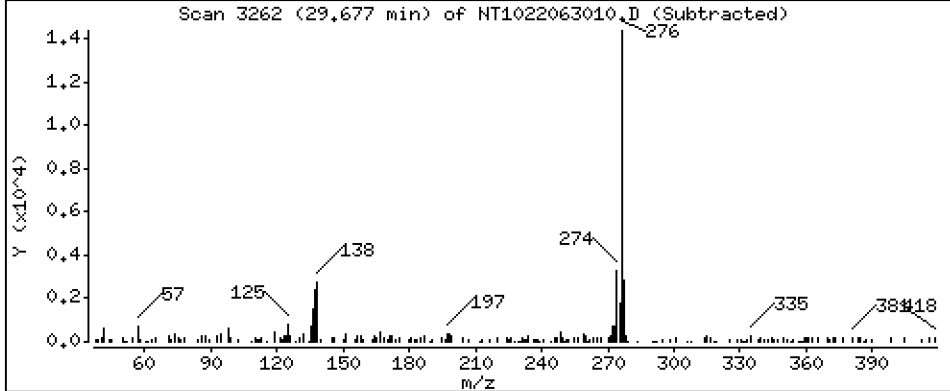
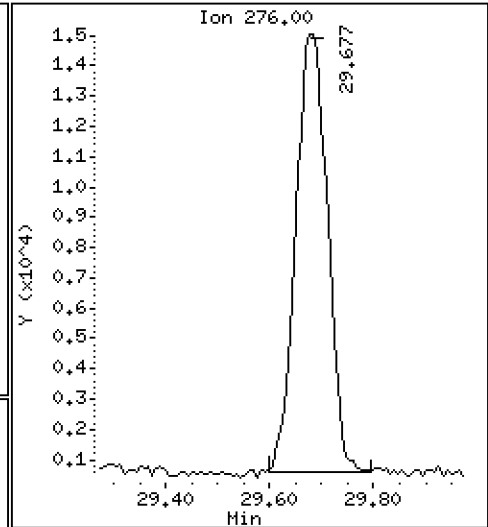
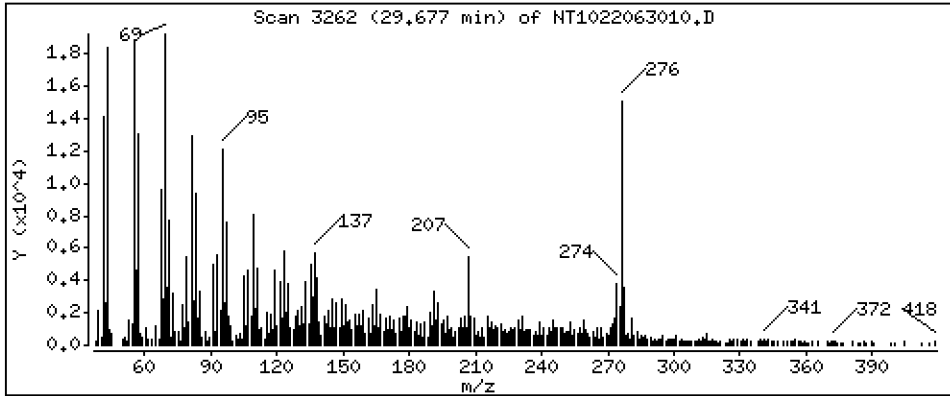
Operator: VTS

Column phase: ZB-5msi

Column diameter: 0,25

80 Benzo(g,h,i)perylene

Concentration: 1,791 ug/mL



Date : 30-JUN-2022 19:23

Client ID:

Instrument: nt10.i

Sample Info: BKF0469-MSD1

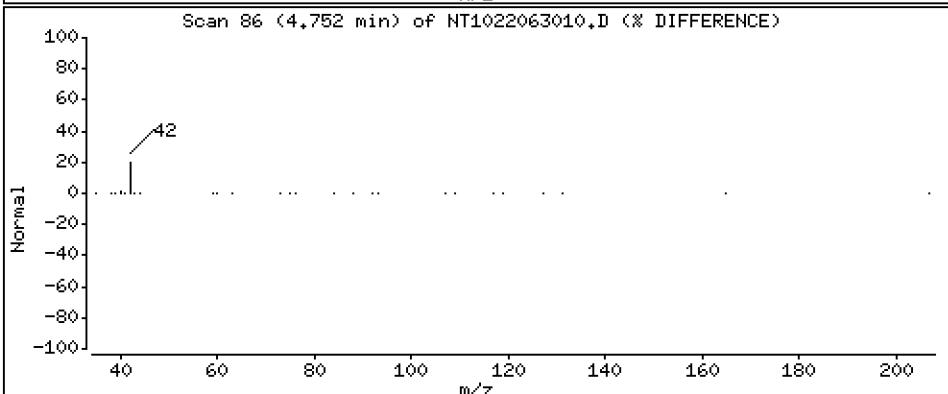
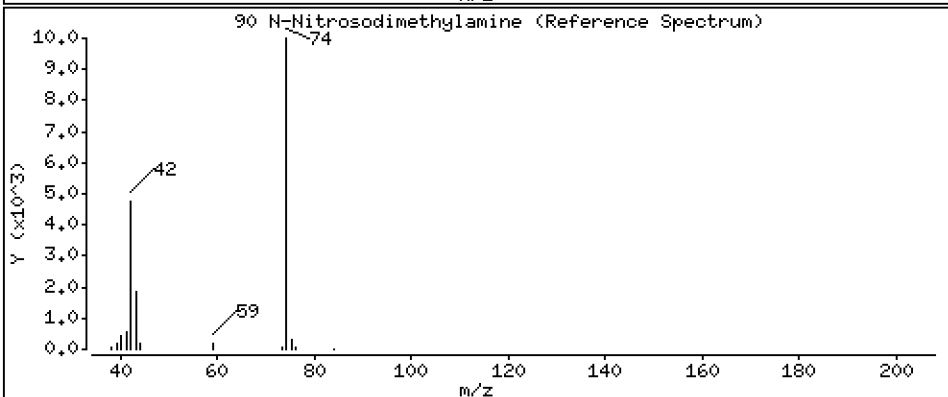
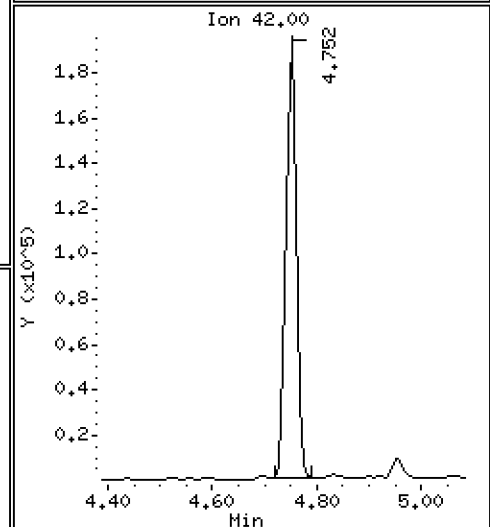
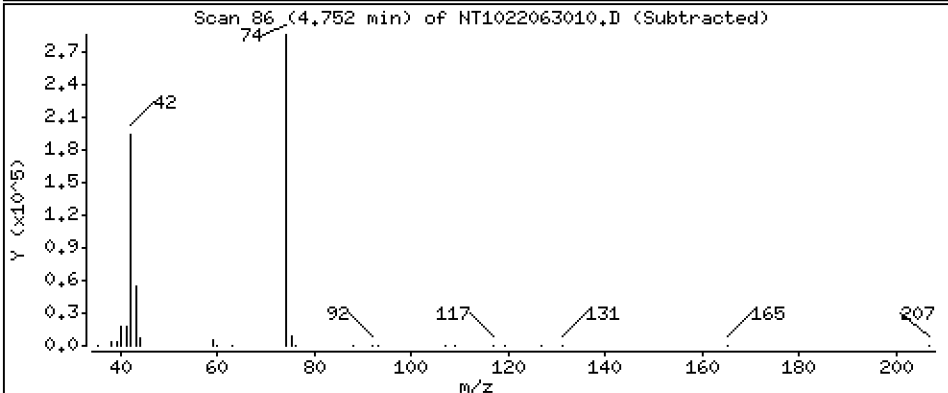
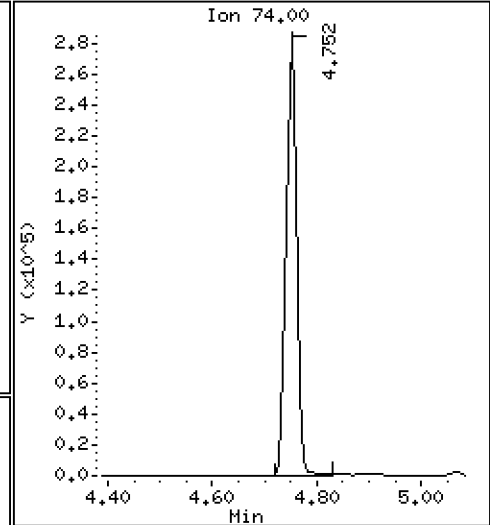
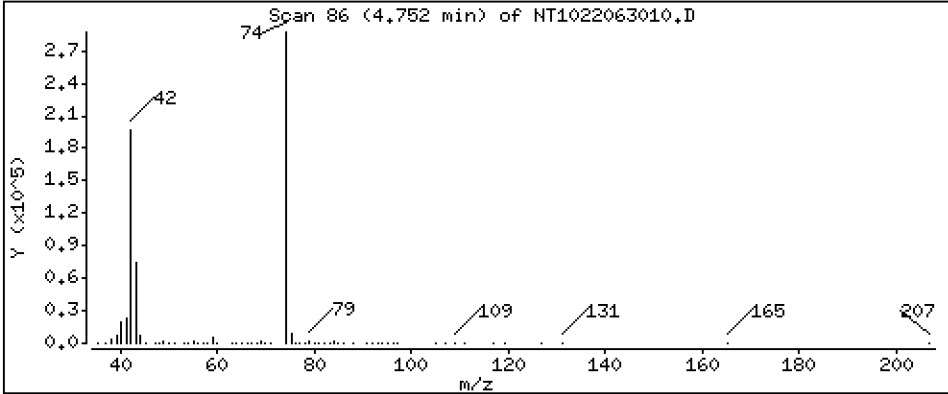
Operator: VTS

Column phase: ZB-5msi

Column diameter: 0.25

90 N-Nitrosodimethylamine

Concentration: 7.437 ug/mL



Date : 30-JUN-2022 19:23

Client ID:

Instrument: nt10.i

Sample Info: BKF0469-MSD1

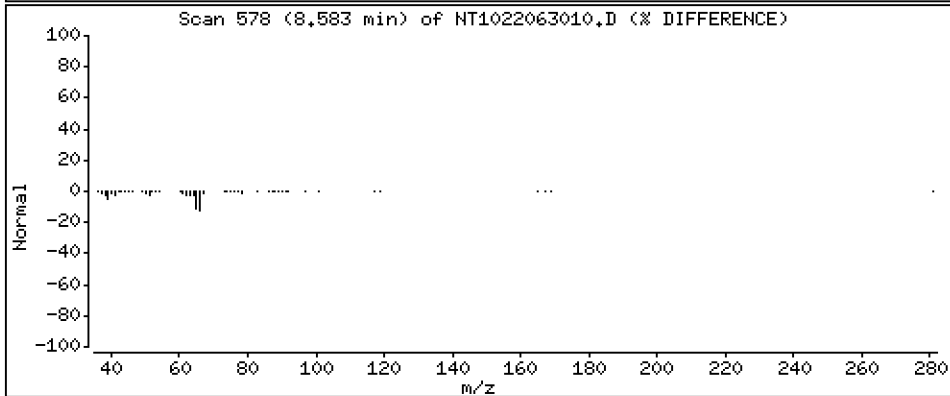
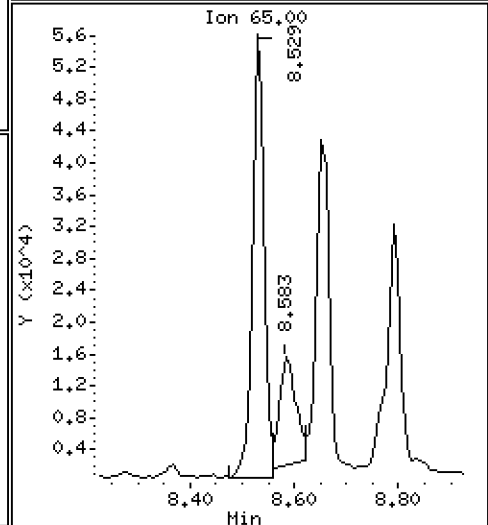
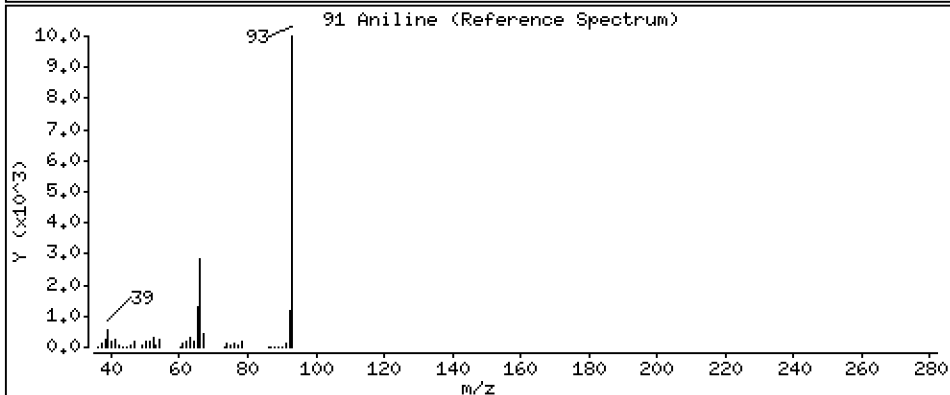
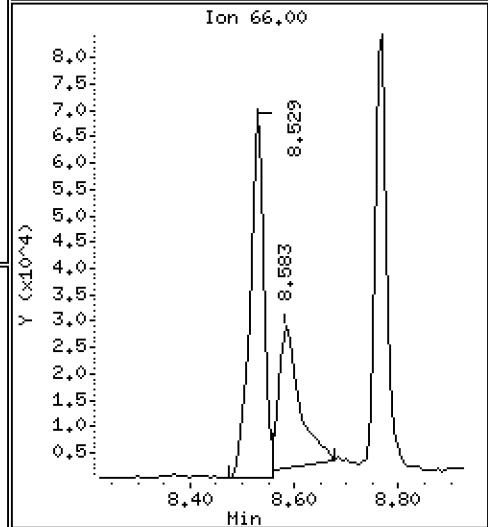
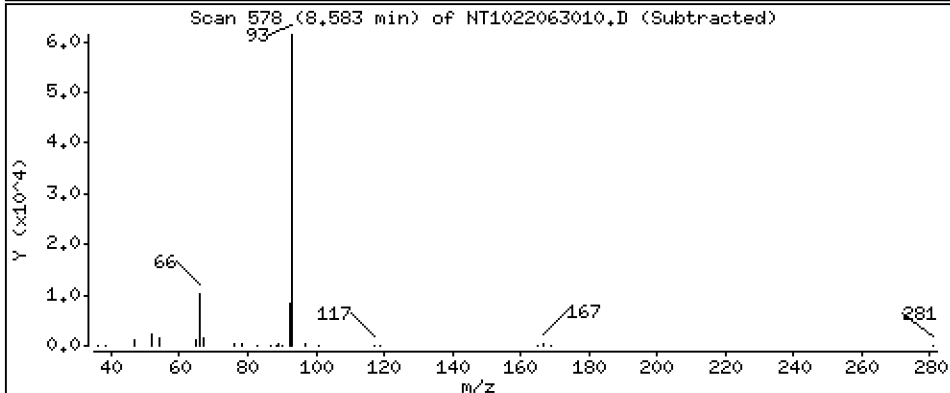
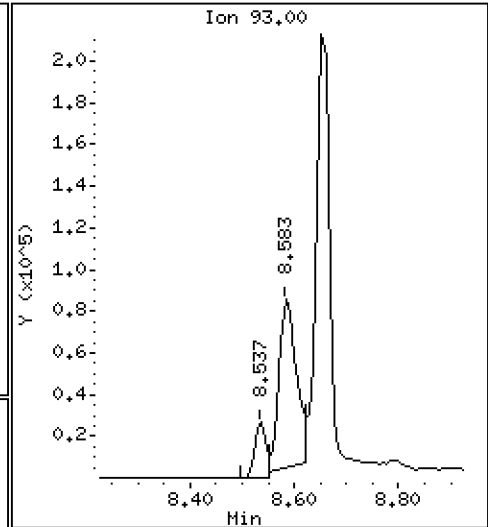
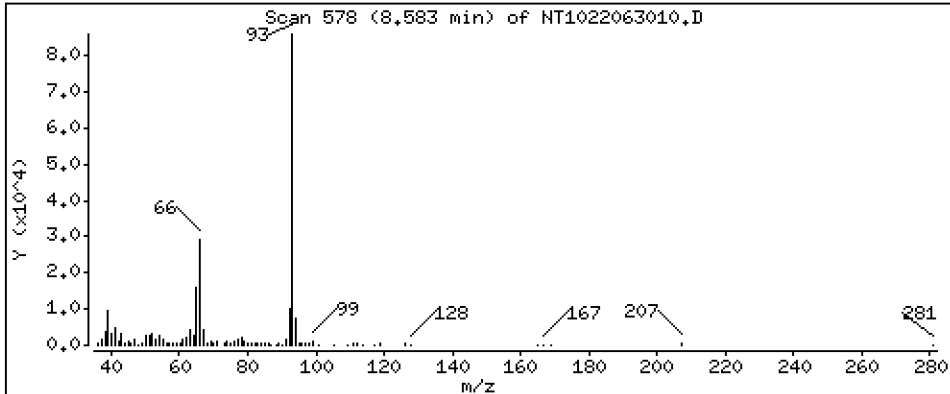
Operator: VTS

Column phase: ZB-5msi

Column diameter: 0,25

91 Aniline

Concentration: 1,820 ug/mL



Date : 30-JUN-2022 19:23

Client ID:

Instrument: nt10.i

Sample Info: BKF0469-MSD1

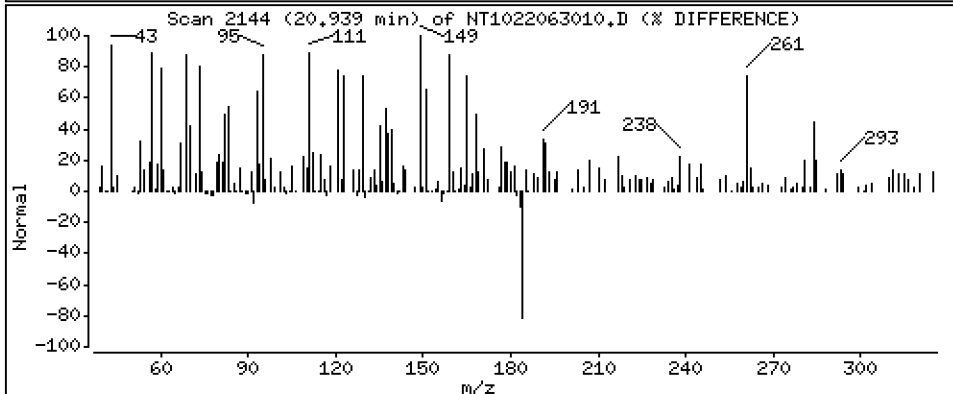
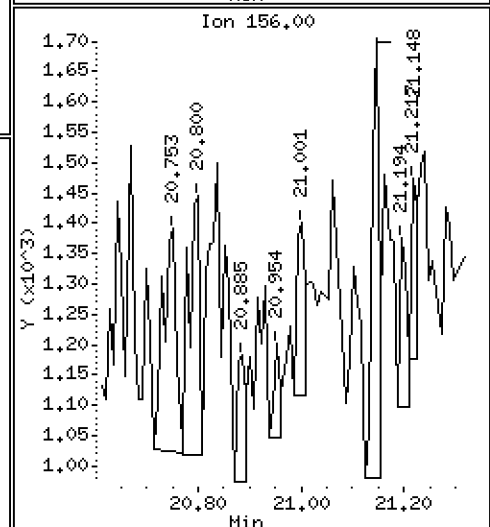
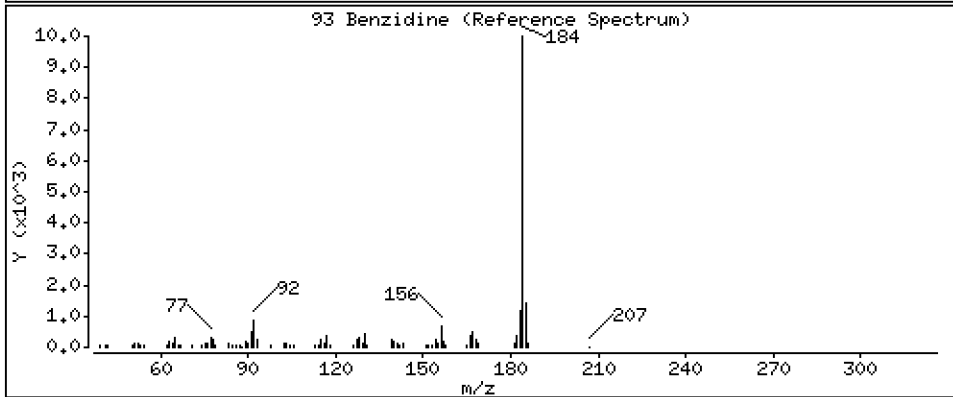
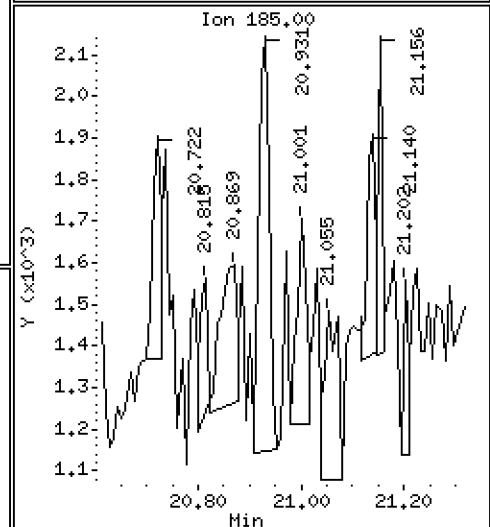
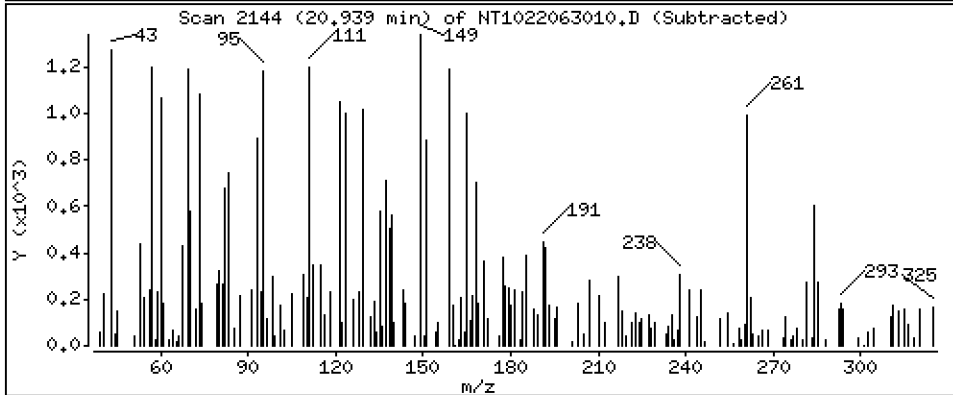
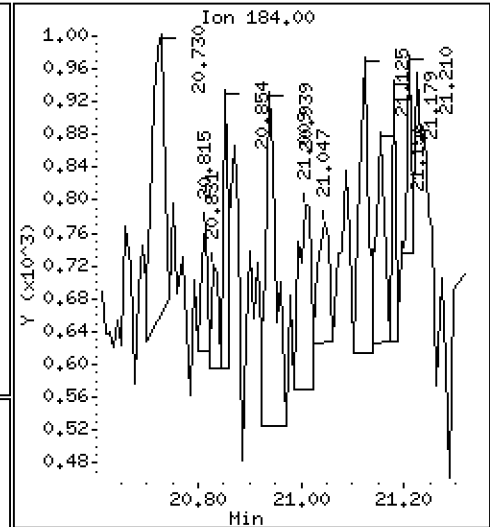
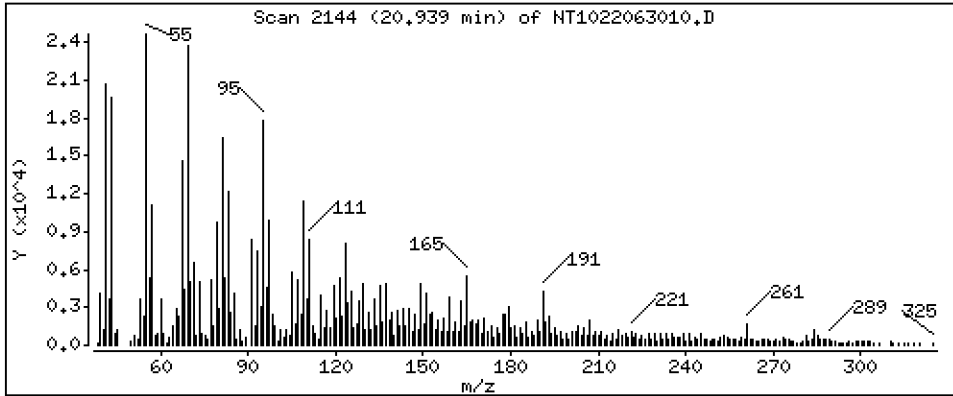
Operator: VTS

Column phase: ZB-5msi

Column diameter: 0.25

Concentration: 0.03337 ug/mL

93 Benzidine



Date : 30-JUN-2022 19:23

Client ID:

Instrument: nt10.i

Sample Info: BKF0469-MSD1

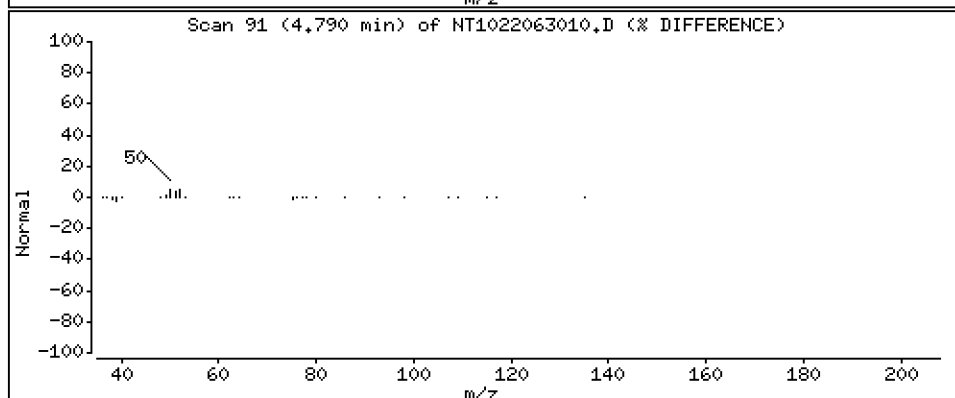
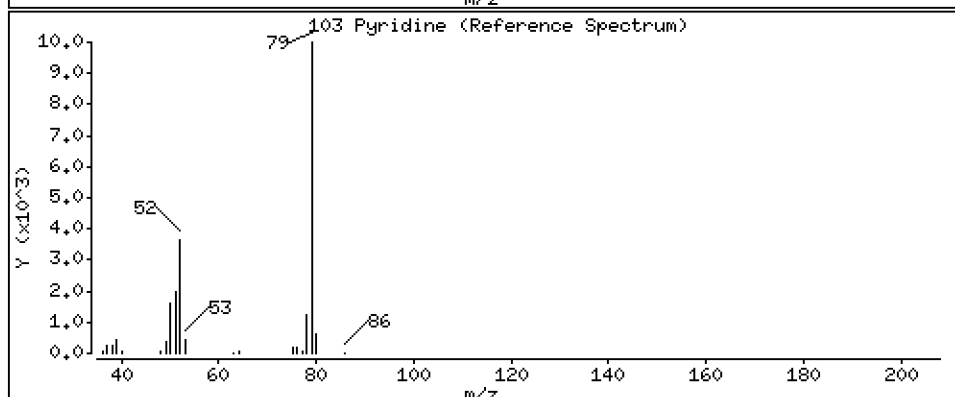
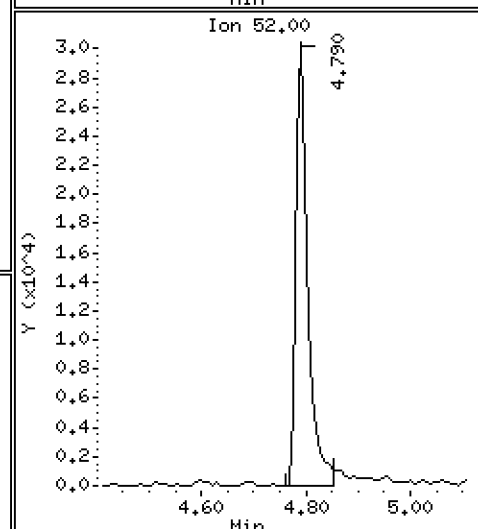
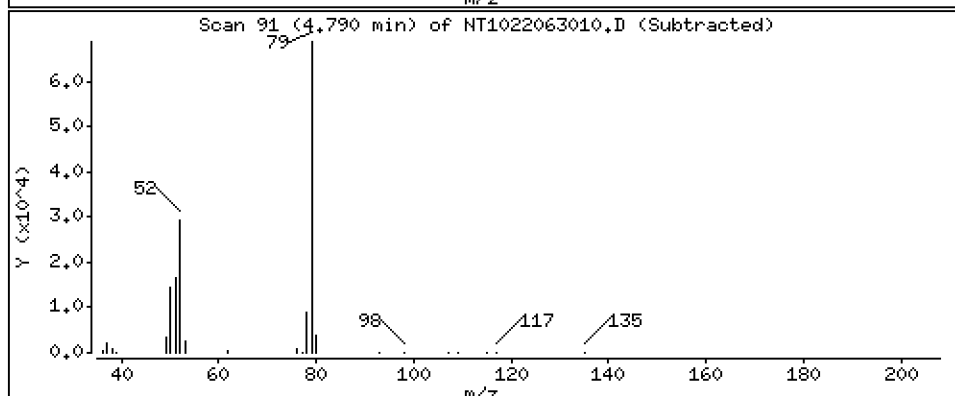
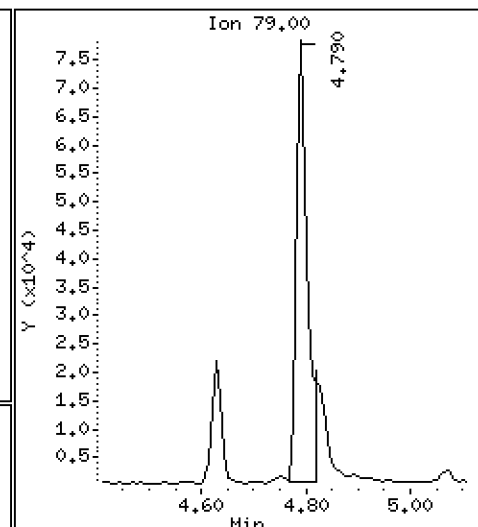
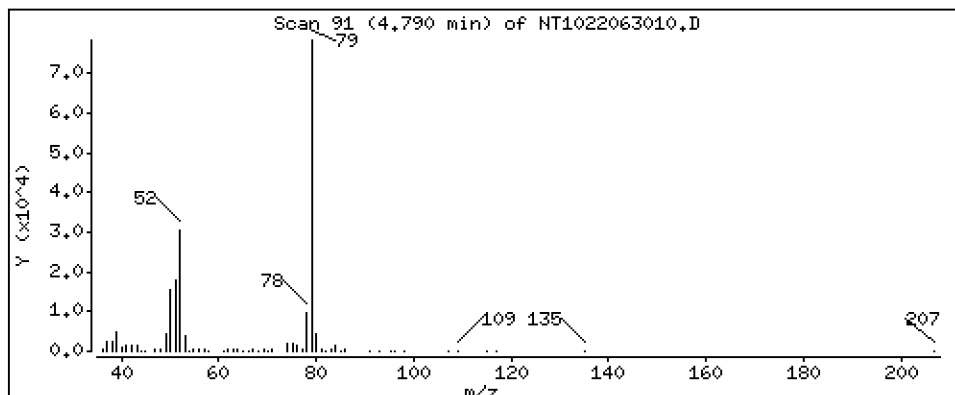
Operator: VTS

Column phase: ZB-5msi

Column diameter: 0,25

103 Pyridine

Concentration: 0,8153 ug/mL



Date : 30-JUN-2022 19:23

Client ID:

Instrument: nt10.i

Sample Info: BKF0469-MSD1

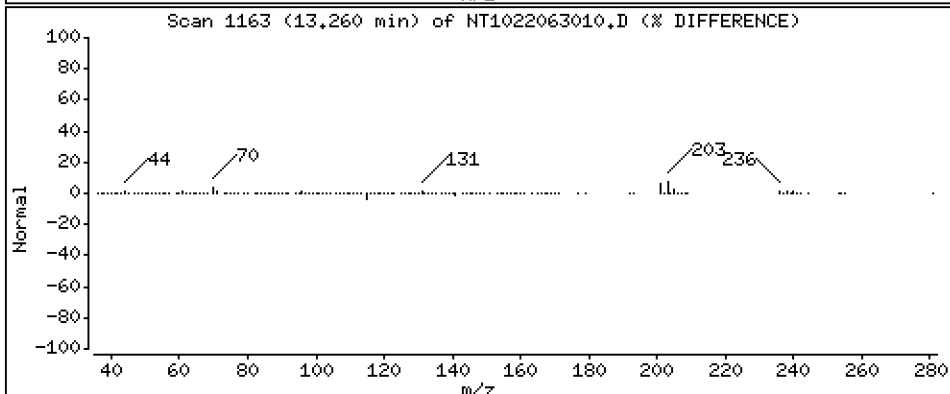
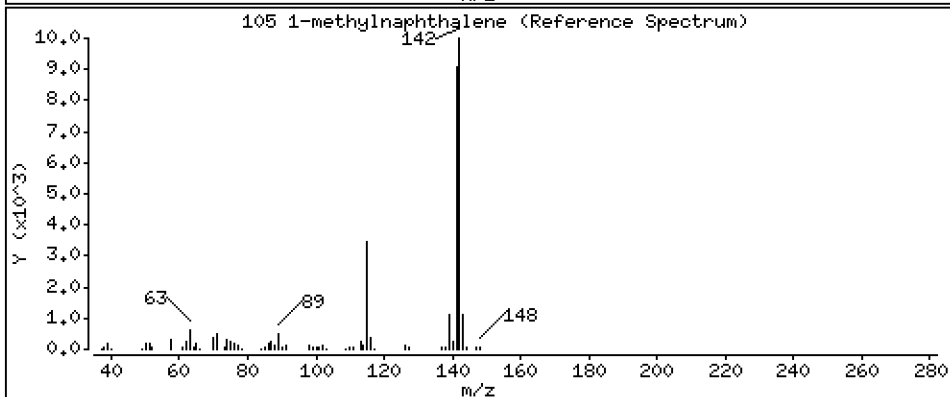
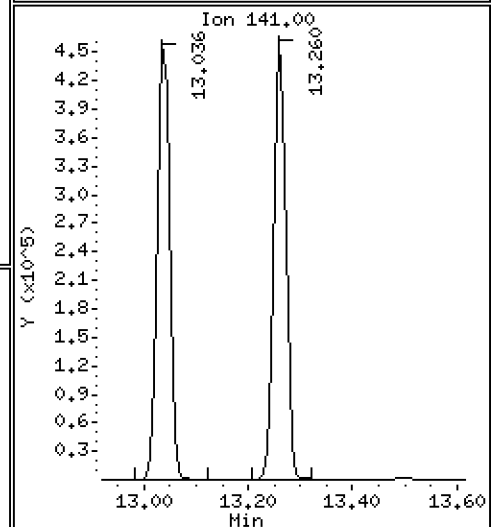
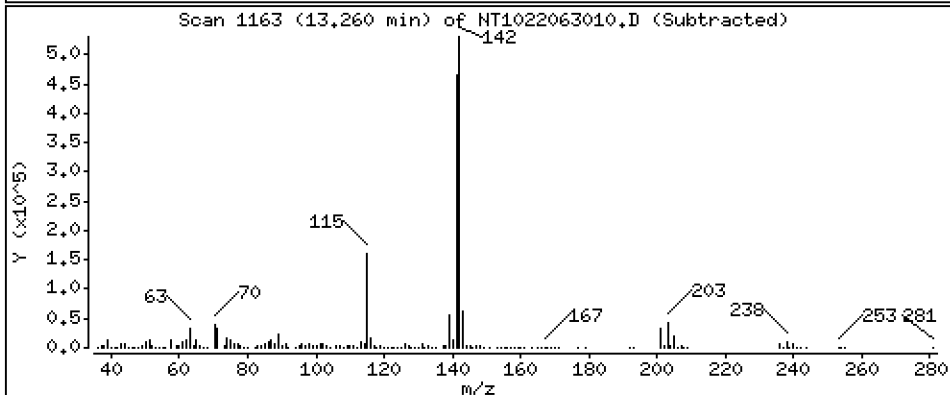
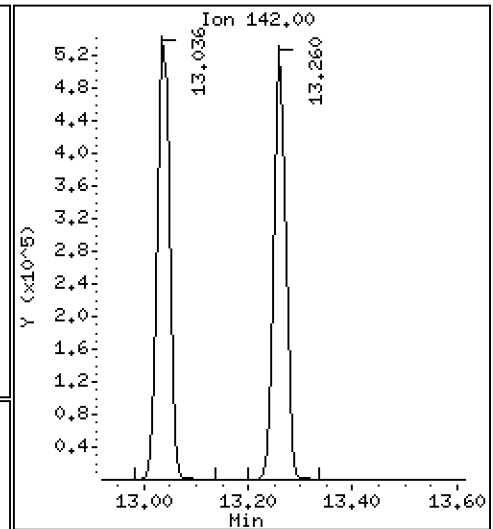
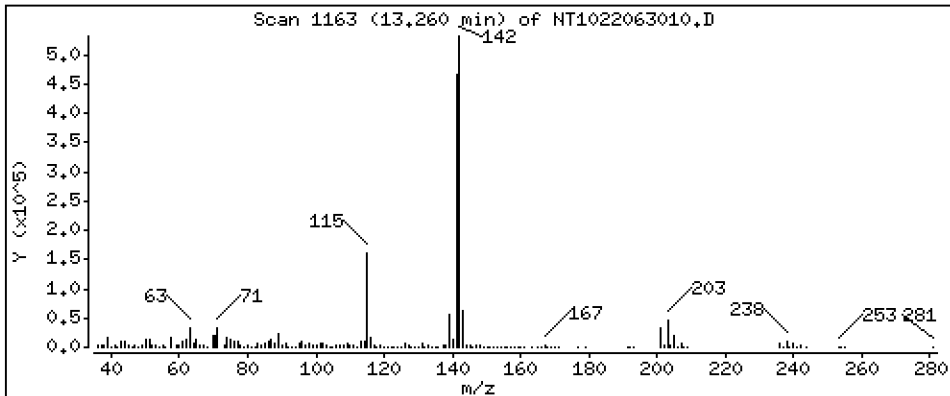
Operator: VTS

Column phase: ZB-5msi

Column diameter: 0,25

105 1-methylnaphthalene

Concentration: 4,358 ug/mL



Date : 30-JUN-2022 19:23

Client ID:

Instrument: nt10.i

Sample Info: BKF0469-MSD1

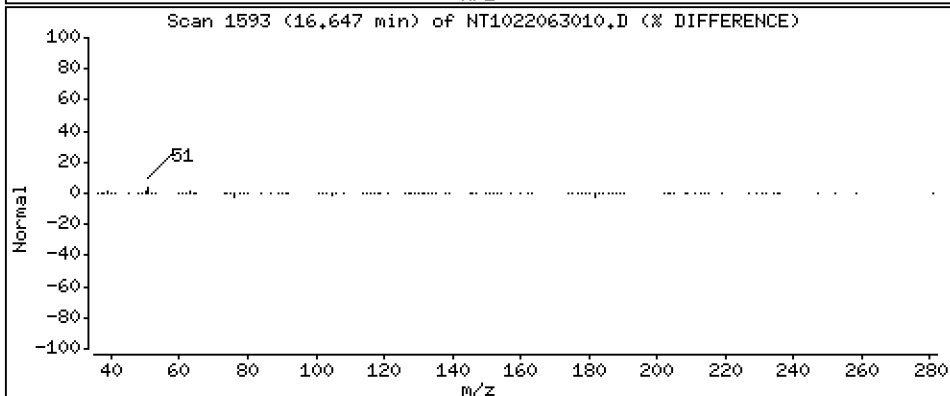
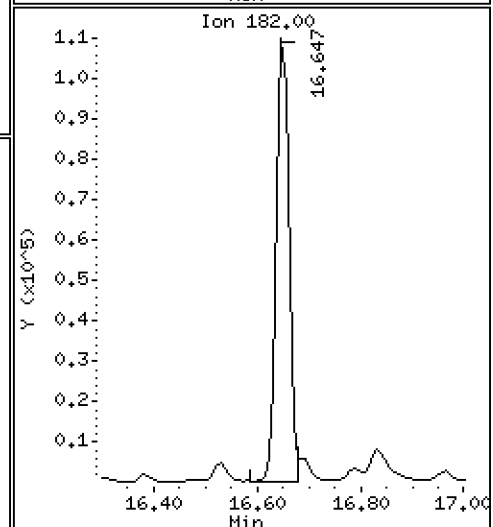
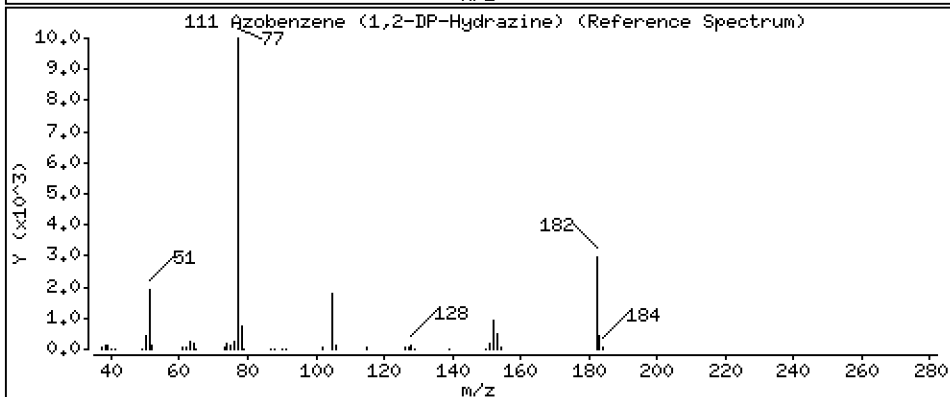
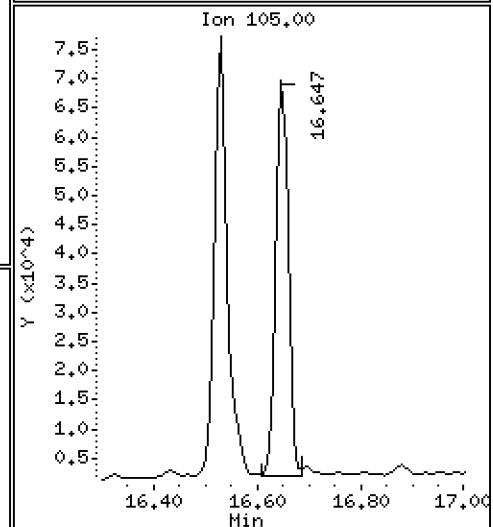
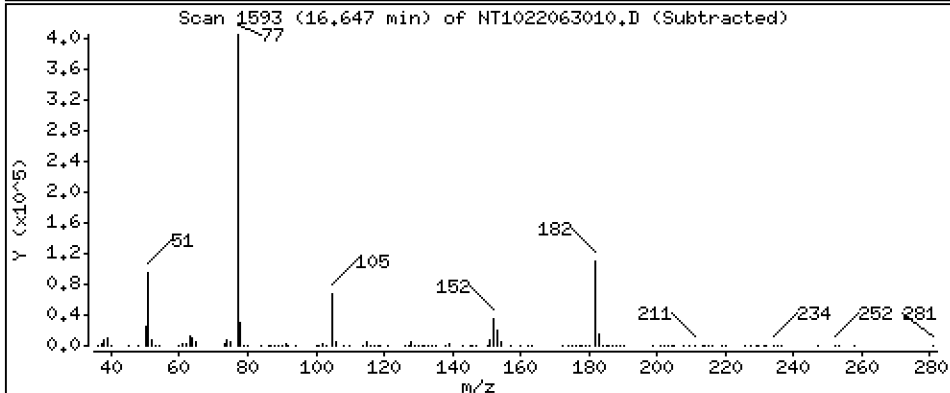
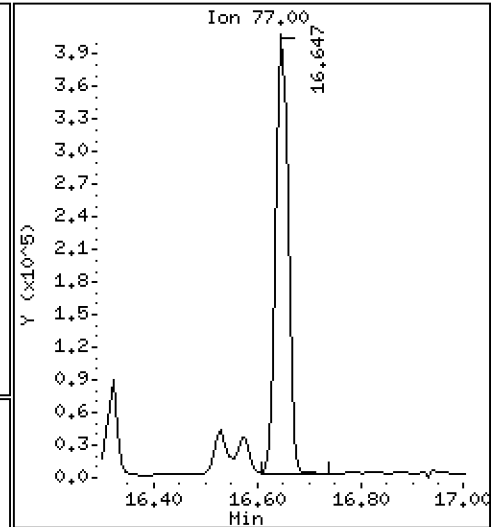
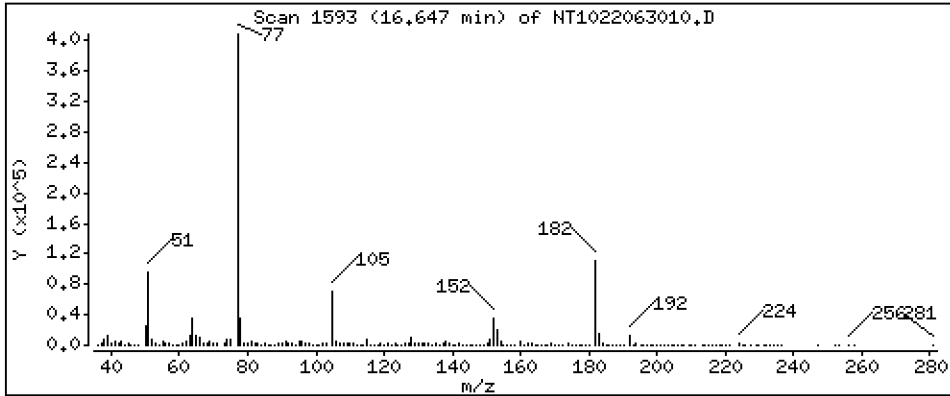
Operator: VTS

Column phase: ZB-5msi

Column diameter: 0,25

111 Azobenzene (1,2-DP-Hydrazine)

Concentration: 3,899 ug/mL



Date : 30-JUN-2022 19:23

Client ID:

Instrument: nt10.i

Sample Info: BKF0469-MSD1

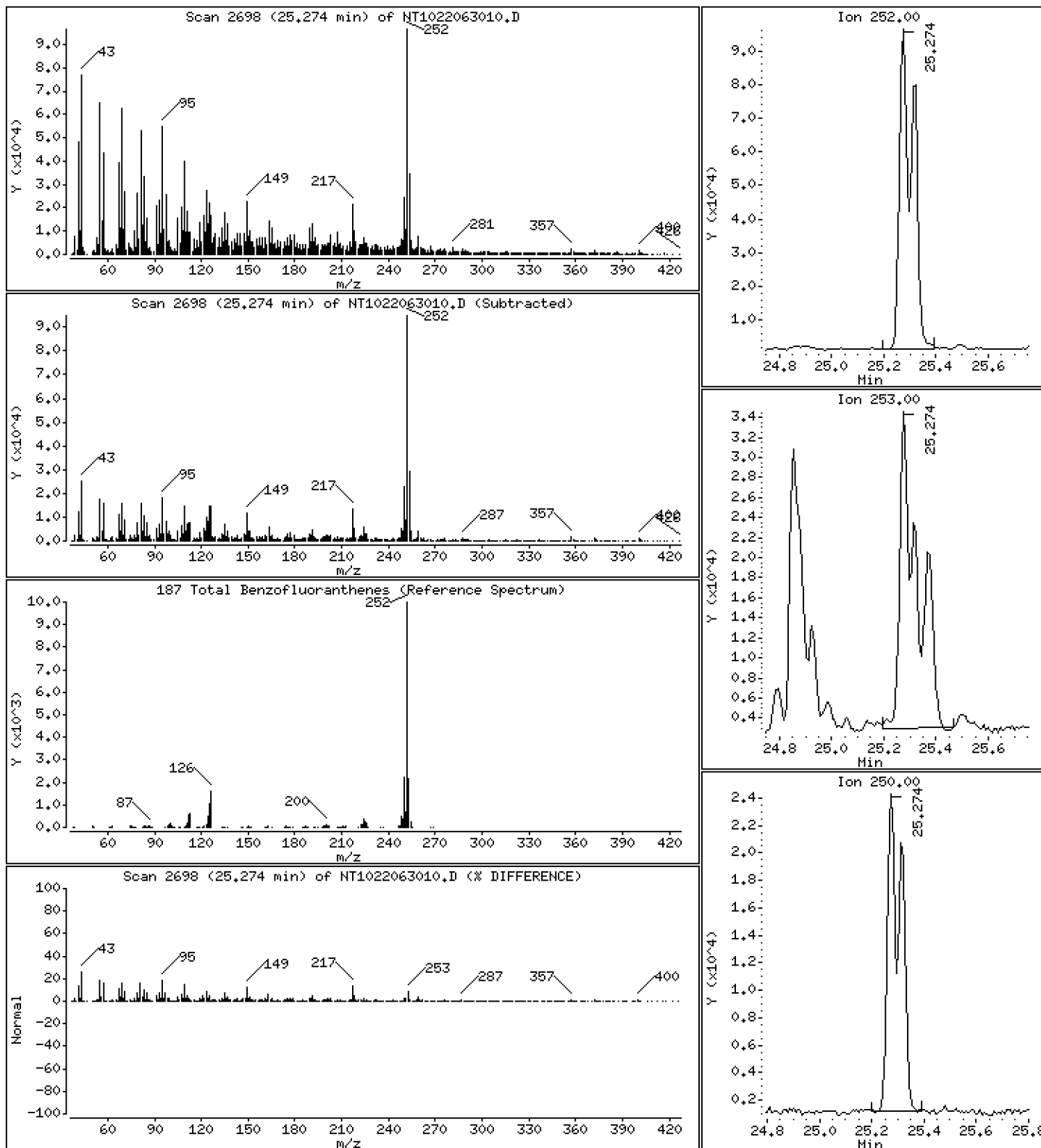
Operator: VTS

Column phase: ZB-5msi

Column diameter: 0,25

187 Total Benzofluoranthenes

Concentration: 7,258 ug/mL



Date : 30-JUN-2022 19:23

Client ID:

Instrument: nt10.i

Sample Info: BKF0469-MSD1

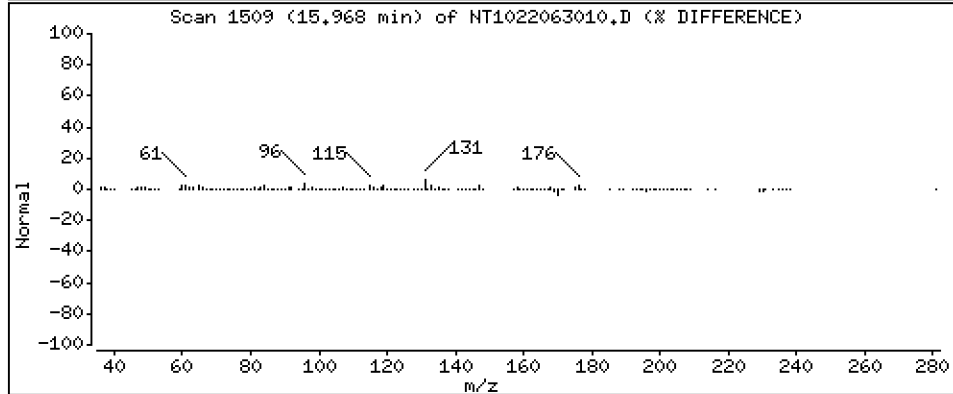
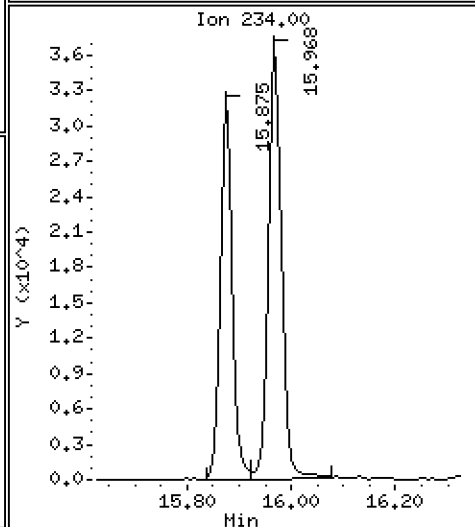
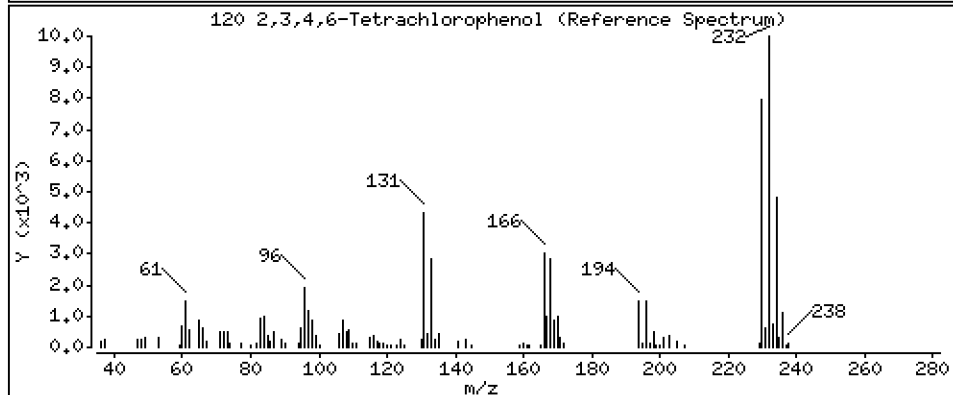
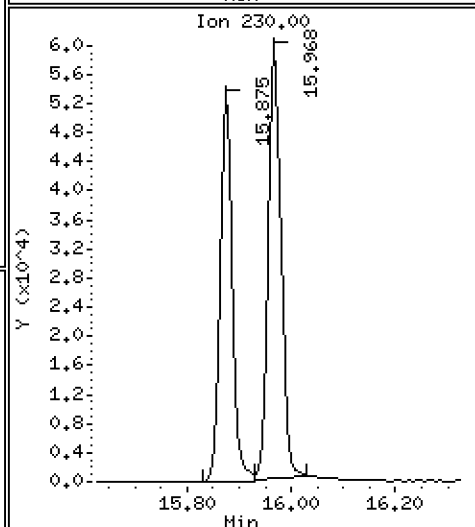
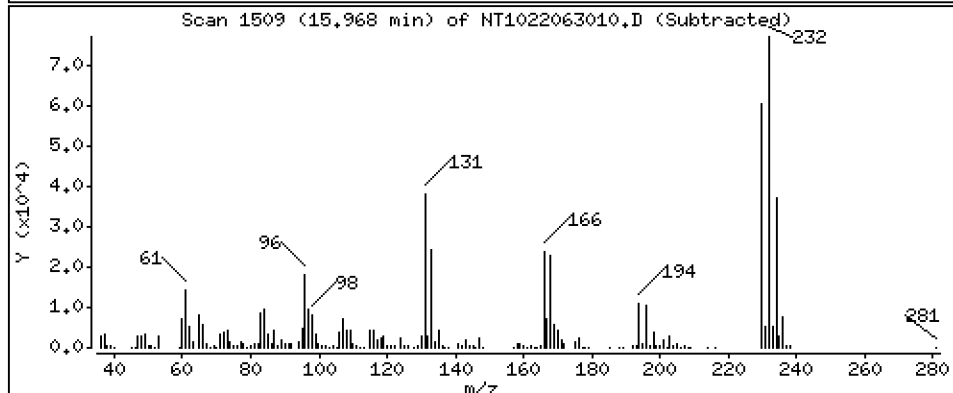
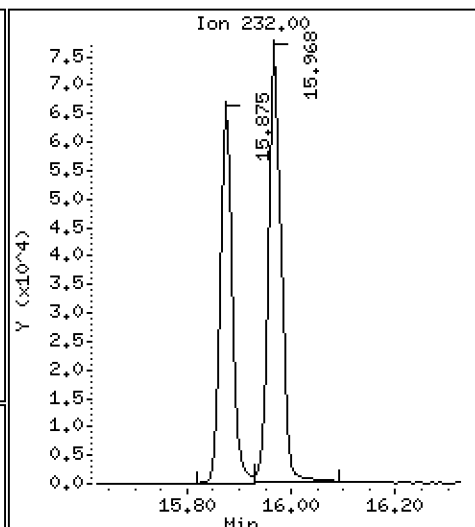
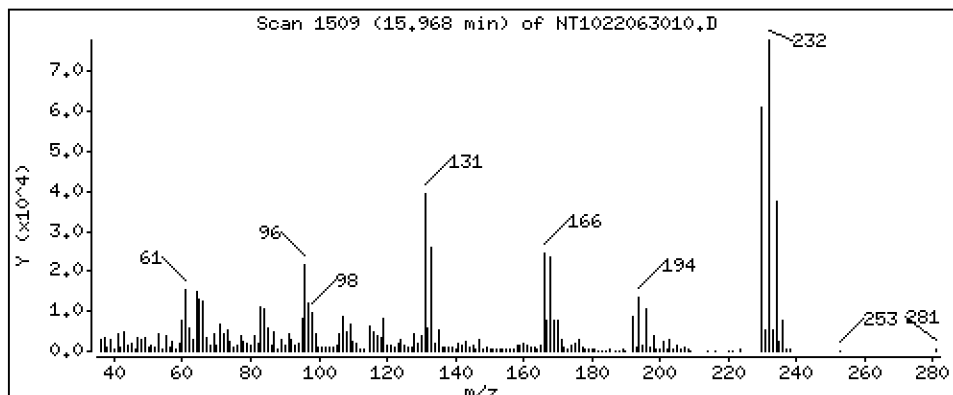
Operator: VTS

Column phase: ZB-5msi

Column diameter: 0,25

120 2,3,4,6-Tetrachlorophenol

Concentration: 3,538 ug/mL



ARI Labs, Inc.

Semivolatile Report SW846 Method 8270D

Data file : \\target\share\chem3\nt10.i\20220630.b\NT1022063010.D
 Lab Smp Id: BKF0469-MSD1
 Inj Date : 30-JUN-2022 19:23
 Operator : VTS
 Smp Info : BKF0469-MSD1
 Misc Info :
 Comment : 1ul Injection
 Method : \\target\share\chem3\nt10.i\20220630.b\ABN.m
 Meth Date : 01-Jul-2022 17:13 yev
 Cal Date : 23-JUN-2022 13:07
 Als bottle: 9
 Dil Factor: 1.00000
 Integrator: HP RTE
 Target Version: 4.14
 Processing Host: ORGDATA102

Inst ID: nt10.i

Quant Type: ISTD
 Cal File: NT1022062308.D

Compound Sublist: ICAL.sub

Compounds	QUANT	SIG	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS	
							ON-COLUMN	FINAL
	MASS						(ug/mL)	(ug/mL)
\$ 1 2-Fluorophenol	112		6.929	6.922	(0.760)	438777	5.51082	5.511
\$ 2 Phenol-d5	99		8.513	8.513	(0.934)	678389	5.74223	5.742
3 Phenol	94		8.529	8.529	(0.936)	336296	3.26674	3.267
\$ 5 2-Chlorophenol-d4	132		8.768	8.768	(0.962)	561067	6.91574	6.916
4 Bis(2-Chloroethyl)ether	93		8.652	8.660	(0.949)	357220	4.82153	4.822
6 2-Chlorophenol	128		8.791	8.791	(0.964)	309300	3.76866	3.769
7 1,3-Dichlorobenzene	146		9.047	9.055	(0.992)	319590	3.60028	3.600
* 8 1,4-Dichlorobenzene-d4	152		9.117	9.117	(1.000)	218048	4.00000	
9 1,4-Dichlorobenzene	146		9.140	9.148	(1.003)	266606	3.81018	3.810
\$ 10 1,2-Dichlorobenzene-d4	152		9.474	9.474	(1.039)	225586	4.51246	4.512
12 1,2-Dichlorobenzene	146		9.497	9.505	(1.042)	280702	3.77891	3.779
11 Benzyl alcohol	108		9.388	9.396	(1.030)	176487	4.30359	4.304
14 2,2'-oxybis(1-Chloropropane)	121		9.683	9.683	(1.062)	98643	5.61533	5.615
13 2-Methylphenol	108		9.629	9.637	(1.056)	223060	3.51430	3.514
17 Hexachloroethane	117		10.087	10.087	(1.106)	121677	3.90097	3.901
16 N-Nitroso-di-n-propylamine	70		9.932	9.939	(1.089)	177180	4.01378	4.014
15 4-Methylphenol	108		9.908	9.901	(1.087)	249595	3.67961	3.680
\$ 18 Nitrobenzene-d5	82		10.203	10.211	(0.880)	374301	4.70763	4.708
19 Nitrobenzene	77		10.242	10.242	(0.883)	321426	4.01092	4.011
20 Isophorone	82		10.684	10.692	(0.921)	681173	5.87581	5.876
21 2-Nitrophenol	139		10.868	10.876	(0.937)	209007	4.12915	4.129
22 2,4-Dimethylphenol	107		10.936	10.944	(0.943)	618040	10.0511	10.05
23 Bis(2-Chloroethoxy)methane	93		11.114	11.123	(0.958)	310492	4.45791	4.458
24 Benzoic acid	105		11.106	11.123	(0.958)	138970	4.35511	4.355
25 2,4-Dichlorophenol	162		11.343	11.352	(0.978)	899249	14.3894	14.39
26 1,2,4-Trichlorobenzene	180		11.511	11.519	(0.993)	239701	3.57337	3.573
* 27 Naphthalene-d8	136		11.596	11.604	(1.000)	747226	4.00000	
28 Naphthalene	128		11.635	11.643	(1.003)	910544	4.76130	4.761
29 4-Chloroaniline	127		11.789	11.774	(1.017)	185907	2.20161	2.202
30 Hexachlorobutadiene	225		11.998	11.998	(1.035)	129361	4.04239	4.042
31 4-Chloro-3-methylphenol	107		12.764	12.764	(1.101)	990697	13.0013	13.00
32 2-Methylnaphthalene	142		13.035	13.043	(1.124)	834607	4.39119	4.391
33 Hexachlorocyclopentadiene	237		13.499	13.507	(0.887)	20889	0.89669	0.8967

Compounds	QUANT SIG				CONCENTRATIONS		
	MASS	RT	EXP RT	REL RT	RESPONSE	ON-COLUMN (ug/mL)	FINAL (ug/mL)
34 2,4,6-Trichlorophenol	196	13.670	13.677	(0.898)	758132	16.3951	16.40
35 2,4,5-Trichlorophenol	196	13.763	13.770	(0.904)	764104	13.9371	13.94
§ 36 2-Fluorobiphenyl	172	13.817	13.824	(0.907)	913045	4.95902	4.959
37 2-Chloronaphthalene	162	14.033	14.041	(0.922)	699640	4.31052	4.311
38 2-Nitroaniline	65	14.304	14.304	(0.940)	595721	13.7211	13.72
39 Dimethylphthalate	163	14.722	14.730	(0.967)	563571	3.94984	3.950
40 Acenaphthylene	152	14.908	14.916	(0.979)	840656	3.53462	3.535
41 2,6-Dinitrotoluene	165	14.869	14.869	(0.977)	448882	13.5459	13.55
* 42 Acenaphthene-d10	164	15.225	15.225	(1.000)	406866	4.00000	
43 3-Nitroaniline	138	15.163	15.163	(0.996)	274707	7.04192	7.042
44 Acenaphthene	153	15.287	15.295	(1.004)	490020	4.14121	4.141
45 2,4-Dinitrophenol	184	15.372	15.387	(1.010)	40039	2.71102	2.711
46 Dibenzofuran	168	15.619	15.619	(1.026)	855605	4.54988	4.550
47 4-Nitrophenol	109	15.550	15.550	(1.021)	130190	10.0044	10.00
48 2,4-Dinitrotoluene	165	15.681	15.689	(1.030)	633263	14.2980	14.30
50 Diethylphthalate	149	16.184	16.191	(1.063)	594772	4.85936	4.859
49 Fluorene	166	16.331	16.338	(1.073)	798635	3.55424	3.554
51 4-Chlorophenyl-phenylether	204	16.323	16.331	(1.072)	230524	2.33617	2.336
52 4-Nitroaniline	138	16.439	16.439	(1.080)	293721	7.51741	7.517
53 4,6-Dinitro-2-methylphenol	198	16.531	16.539	(0.904)	272536	12.5095	12.51
54 N-Nitrosodiphenylamine	169	16.577	16.577	(0.907)	442702	5.05347	5.053
§ 55 2,4,6-Tribromophenol	330	16.878	16.878	(1.109)	132504	7.15023	7.150
56 4-Bromophenyl-phenylether	248	17.325	17.333	(0.948)	187648	4.62319	4.623
57 Hexachlorobenzene	284	17.650	17.658	(0.966)	162367	4.34832	4.348
58 Pentachlorophenol	266	18.022	18.029	(0.986)	150675	16.6374	16.64
* 59 Phenanthrene-d10	188	18.277	18.277	(1.000)	557128	4.00000	
60 Phenanthrene	178	18.323	18.331	(1.003)	730495	4.99080	4.991
61 Anthracene	178	18.416	18.424	(1.008)	670797	4.30057	4.301
62 Carbazole	167	18.764	18.757	(1.027)	640364	4.45011	4.450
63 Di-n-butylphthalate	149	19.554	19.554	(1.070)	762155	3.45232	3.452
64 Fluoranthene	202	20.737	20.722	(0.888)	387479	4.25590	4.256
65 Pyrene	202	21.155	21.147	(0.906)	327506	4.10328	4.103
§ 66 Terphenyl-d14	244	21.441	21.434	(0.918)	184020	4.20757	4.208
67 Butylbenzylphthalate	149	22.363	22.363	(0.957)	121304	4.79117	4.791
68 Benzo(a)anthracene	228	23.331	23.331	(0.999)	189342	3.56532	3.565
* 69 Chrysene-d12	240	23.362	23.354	(1.000)	125327	4.00000	
70 3,3'-Dichlorobenzidine	252	23.292	23.284	(0.997)	21602	1.24829	1.248
71 Chrysene	228	23.408	23.400	(1.002)	187387	5.04880	5.049
72 bis(2-Ethylhexyl)phthalate	149	23.400	23.400	(0.958)	181526	5.34106	5.341
* 134 Di-n-octylphthalate-d4	153	24.415	24.407	(1.000)	307486	4.00000	
73 Di-n-octylphthalate	149	24.422	24.415	(1.000)	319377	4.56981	4.570
74 Benzo(b)fluoranthene	252	25.274	25.251	(0.969)	195459	3.91616	3.916
75 Benzo(k)fluoranthene	252	25.320	25.297	(0.971)	163436	3.40538	3.405
76 Benzo(a)pyrene	252	25.955	25.924	(0.995)	154956	3.79335	3.793
* 77 Perylene-d12	264	26.079	26.041	(1.000)	110207	4.00000	
78 Indeno(1,2,3-cd)pyrene	276	28.861	28.806	(1.107)	87498	2.00613	2.006
79 Dibenzo(a,h)anthracene	278	28.869	28.814	(1.107)	73278	2.19467	2.195
80 Benzo(g,h,i)perylene	276	29.676	29.622	(1.138)	62442	1.79098	1.791
90 N-Nitrosodimethylamine	74	4.751	4.736	(0.521)	387433	7.43710	7.437
91 Aniline	93	8.583	8.575	(0.941)	187354	1.81967	1.820
93 Benzidine	184	20.938	20.962	(0.896)	617	0.03337	0.03337
103 Pyridine	79	4.790	4.759	(0.525)	120396	0.81528	0.8153
105 1-methylnaphthalene	142	13.259	13.267	(1.143)	813838	4.35838	4.358
111 Azobenzene (1,2-DP-Hydrazine)	77	16.647	16.655	(1.093)	633610	3.89924	3.899

Compounds	QUANT SIG	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS	
						ON-COLUMN (ug/mL)	FINAL (ug/mL)
187 Total Benzofluoranthenes	252	25.274	25.251	(0.969)	337761	7.25798	7.258
120 2,3,4,6-Tetrachlorophenol	232	15.967	15.975	(1.049)	125991	3.53839	3.538

ARI Labs, Inc.

INTERNAL STANDARD COMPOUNDS
 AREA AND RT SUMMARY

Instrument ID: nt10.i Calibration Date: 30-JUN-2022
 Lab File ID: NT1022063010.D Calibration Time: 14:09
 Lab Smp Id: BKF0469-MSD1
 Analysis Type: SV Level:
 Quant Type: ISTD Sample Type:
 Operator: VTS
 Method File: \\target\share\chem3\nt10.i\20220630.b\ABN.m
 Misc Info:

Test Mode:
 Use Last Continuing Calibrator.

COMPOUND	STANDARD	AREA LIMIT		SAMPLE	%DIFF
		LOWER	UPPER		
8 1,4-Dichlorobenze	207392	103696	414784	218048	5.14
27 Naphthalene-d8	696938	348469	1393876	747226	7.22
42 Acenaphthene-d10	395441	197721	790882	406866	2.89
59 Phenanthrene-d10	603067	301534	1206134	557128	-7.62
69 Chrysene-d12	148146	74073	296292	125327	-15.40
134 Di-n-octylphthala	308009	154005	616018	307486	-0.17
77 Perylene-d12	115550	57775	231100	110207	-4.62

COMPOUND	STANDARD	RT LIMIT		SAMPLE	%DIFF
		LOWER	UPPER		
8 1,4-Dichlorobenze	9.12	8.62	9.62	9.12	0.00
27 Naphthalene-d8	11.60	11.10	12.10	11.60	-0.07
42 Acenaphthene-d10	15.23	14.73	15.73	15.23	0.00
59 Phenanthrene-d10	18.28	17.78	18.78	18.28	0.00
69 Chrysene-d12	23.35	22.85	23.85	23.36	0.03
134 Di-n-octylphthala	24.41	23.91	24.91	24.42	0.03
77 Perylene-d12	26.04	25.54	26.54	26.08	0.15

AREA UPPER LIMIT = +100% of internal standard area.
 AREA LOWER LIMIT = - 50% of internal standard area.
 RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
 RT LOWER LIMIT = - 0.50 minutes of internal standard RT.

REVIEW SUMMARY FOR FILE - NT1022063010.D

Lab ID: BKF0469-MSD1
nt10.i, ABN.m, 30-JUN-2022 19:23

RT CO-ELUTION COMPOUNDS

NO CO-ELUTIONS

Quant Method: ICAL

RRT CHECK

RRT	CCV	RRT	DELTA	COMPOUND
-----	-----	-----	-------	----------

NONE

RRT check based on Ccal File: NT1022063002.D

On Column LOD for nt10.i, ABN.m, ICAL.sub = 0.0000

* Only compounds listed in the work order have been verified by the analyst *



**MASS SPECTROMETER
INSTRUMENT PERFORMANCE CHECK
EPA 8270E**

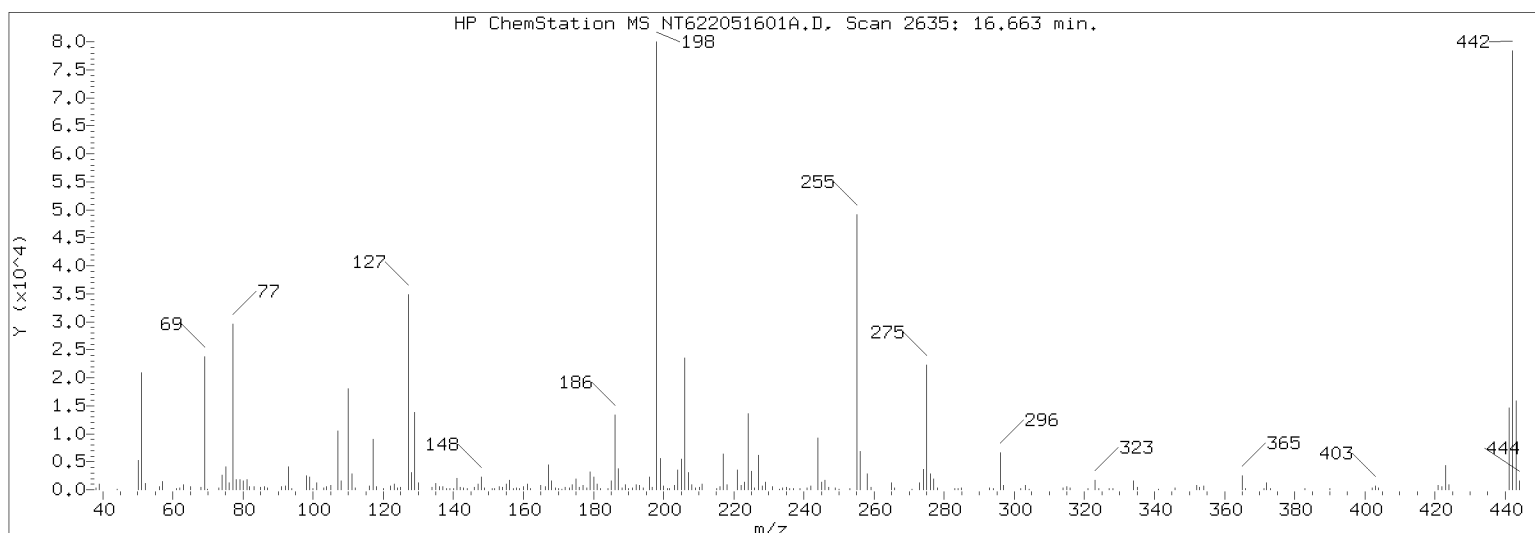
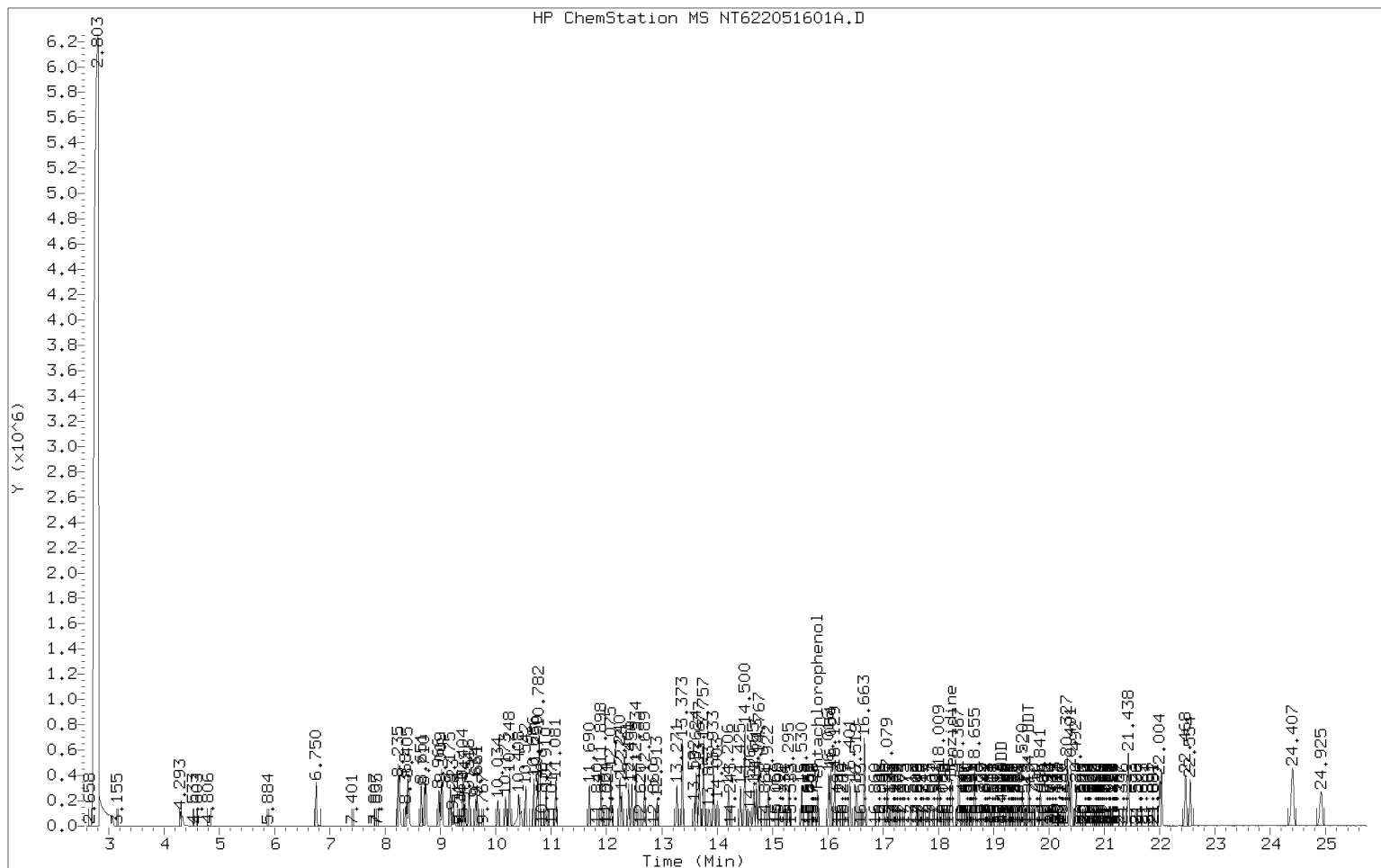
Laboratory:	<u>Analytical Resources, LLC</u>	SDG:	<u>22F0267</u>
Client:	<u>GeoEngineers</u>	Project:	<u>RG Haley Site-Bellingham</u>
Lab File ID:	<u>NT622051601A.D</u>	Injection Date:	<u>05/16/22</u>
Instrument ID:	<u>NT6</u>	Injection Time:	<u>17:11</u>
Sequence:	<u>SKE0212</u>	Lab Sample ID:	<u>SKE0212-TUN1</u>

m/z	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
68	Less than 2% of 69	1.4	PASS
69	Less than 100% of 198	30.1	PASS
70	Less than 2% of 69	0.564	PASS
197	Less than 2% of 198	0.23	PASS
198	Base peak, 100% relative abundance	100	PASS
199	5 - 9% of 198	6.73	PASS
365	1 - 100% of 198	3.35	PASS
441	Less than 150% of 443	88.5	PASS
442	1 - 200% of 198	101	PASS
443	15 - 24% of 442	20.2	PASS
4,4'-DDD	Less than 20% of 4,4'-DDT		
4,4'-DDE	Less than 20% of		
4,4'-DDT	Less than 200% of		

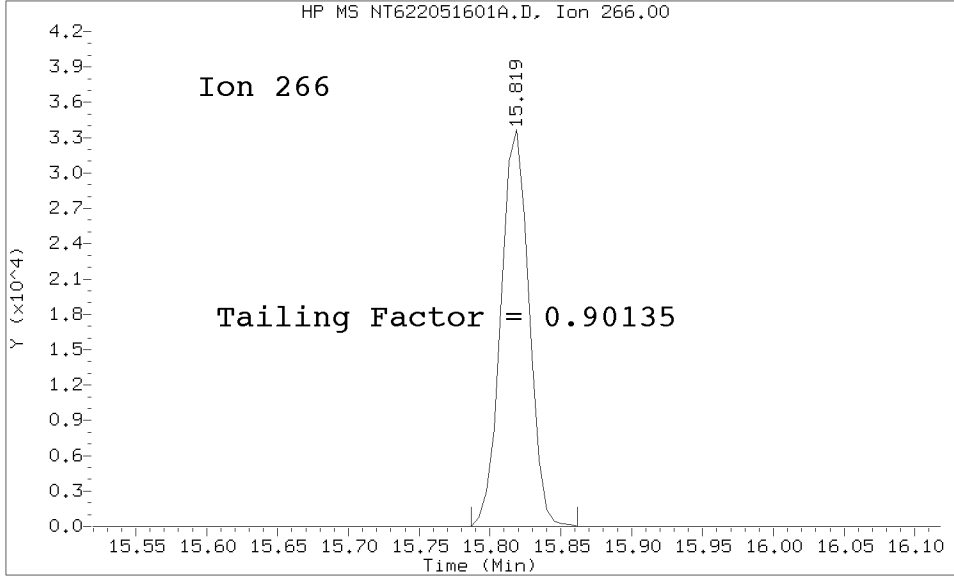
Client Sample ID	Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed
MS Tune	SKE0212-TUN1	NT622051601A.D	05/16/2022	17:11
Cal Standard	SKE0212-CAL4	NT622051601.D	05/16/2022	17:11
Initial Cal Blank	SKE0212-ICB1	NT622051602.D	05/16/2022	17:45
Cal Standard	SKE0212-CAL1	NT622051603.D	05/16/2022	18:19
Cal Standard	SKE0212-CAL2	NT622051604.D	05/16/2022	18:52
Cal Standard	SKE0212-CAL3	NT622051605.D	05/16/2022	19:25
Cal Standard	SKE0212-CAL5	NT622051606.D	05/16/2022	19:59
Cal Standard	SKE0212-CAL6	NT622051607.D	05/16/2022	20:33
Cal Standard	SKE0212-CAL7	NT622051608.D	05/16/2022	21:06
Secondary Cal Check	SKE0212-SCV1	NT622051702.D	05/17/2022	12:39

DFTPP TAILING FACTOR AND BREAKDOWN GRAPHIC REPORT

Datafile Analyzed: /20220516.b/tune.b/NT622051601A.D/NT622051601A.D
 Method Used: \20220516.b\tune.b\DFTPP.m Inst: nt6
 Injection Date: 16-MAY-2022 17:11 Operator: JZ
 Sample Info: SKE0212-TUN1 DFTPP220516
 Report Date: 05/16/2022 23:19



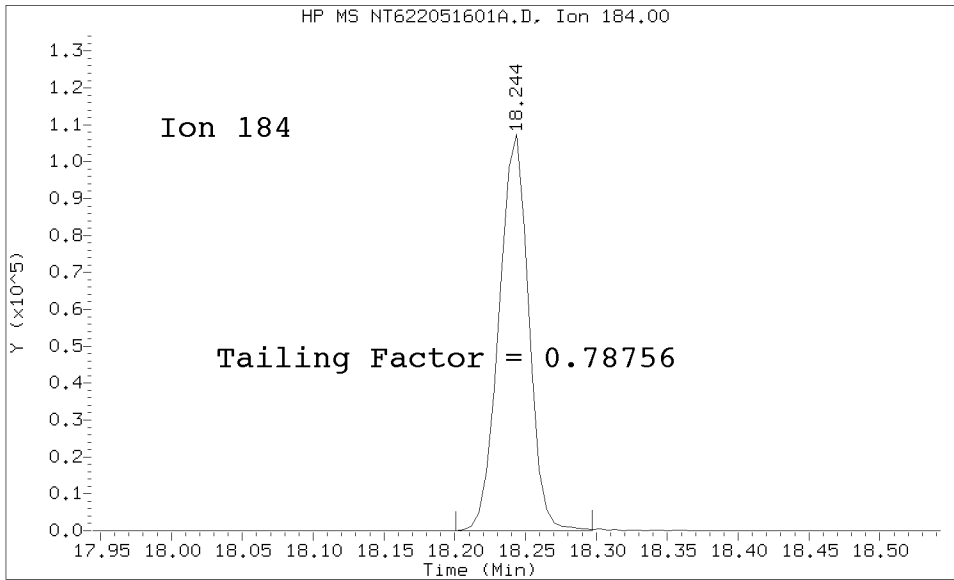
Datafile Analyzed: /20220516.b/tune.b/NT622051601A.D/NT622051601A.D
Method Used: \20220516.b\tune.b\DFTPP.m\sw846ddt.m Inst: nt6
Injection Date: 16-MAY-2022 17:11 Operator: JZ
Sample Info: IC25220516,
Report Date: 05/16/2022 23:19



Pentachlorophenol

=====
Exp. RT = 15.819
Found RT = 15.819

Tail Factor = 0.901 Maximum Allowed = 2.0



Benzidine

=====
Exp. RT = 18.244
Found RT = 18.244

Tail Factor = 0.788 Maximum Allowed = 2.0

8270 TAILING FACTOR/BREAKDOWN SUMMARY RESULTS

TAILING ANALYSIS SUMMARY

Compound	Tail Factor	Max Allowed	Test
Pentachlorophenol	0.9013524	2.000	PASS
Benzidine	0.7875611	2.000	PASS

DDT DEGRADATION BREAKDOWN ANALYSIS SUMMARY

Compound	Response	%Breakdown	Max Allowed	Test
4,4-DDT	90187			N/A
4,4-DDE	0	0.0	20.0	PASS
4,4-DDD	1799	2.0	20.0	PASS
4,4-DDD + DDE	1799	2.0	20.0	PASS

Tuning Sample, /nt6.i/20220516.b/tune.b/NT622051601A.D, *** PASSED ***

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
198	Base Peak, 100% relative abundance	100.00
51	10.00 - 80.00% of mass 198	26.29
68	Less than 2.00% of mass 69	0.42 (1.40)
69	Mass 69 relative abundance	30.07
70	Less than 2.00% of mass 69	0.17 (0.56)
127	10.00 - 80.00% of mass 198	45.53
197	Less than 2.00% of mass 198	0.23
199	5.00 - 9.00% of mass 198	6.73
275	10.00 - 60.00% of mass 198	27.21
365	Greater than 1.00% of mass 198	3.35
441	0.01 - 24.00% of mass 442	17.96 (17.85)
442	50.00 - 200.00% of mass 198	100.63
443	15.00 - 24.00% of mass 442	20.30 (20.18)

Data File: NT622051601A.D
Spectrum: Avg. Scans 2634-2636 (16.66), Background Scan 2626
Location of Maximum: 442.00
Number of points: 229

m/z	Y	m/z	Y	m/z	Y	m/z	Y
38.00	247	128.00	2783	192.00	910	265.00	1181
39.00	1148	129.00	12811	193.00	1013	266.00	103
44.00	113	130.00	1217	194.00	259	271.00	56
49.00	60	131.00	141	195.00	60	273.00	1126
50.00	4820	134.00	423	196.00	1996	274.00	3454
51.00	18744	135.00	1066	197.00	164	275.00	19400
52.00	963	136.00	434	198.00	71296	276.00	2590
56.00	615	137.00	545	199.00	4801	277.00	1618
57.00	1434	138.00	74	200.00	418	278.00	338
61.00	269	139.00	109	201.00	447	283.00	265
62.00	329	140.00	224	203.00	705	284.00	61
63.00	817	141.00	1665	204.00	3001	285.00	336
65.00	429	142.00	603	205.00	4932	293.00	492
68.00	300	143.00	365	206.00	21200	294.00	63
69.00	21440	144.00	64	207.00	2944	296.00	5501
70.00	121	146.00	339	208.00	832	297.00	738
73.00	233	147.00	958	209.00	250	302.00	60
74.00	2368	148.00	1991	210.00	335	303.00	817
75.00	3882	149.00	399	211.00	947	304.00	106
76.00	1273	150.00	60	212.00	60	314.00	249
77.00	26336	151.00	243	215.00	237	315.00	583
78.00	1453	152.00	69	216.00	505	316.00	315
79.00	1748	153.00	608	217.00	5521	321.00	208
80.00	1376	154.00	423	218.00	678	323.00	1660
81.00	1863	155.00	1011	220.00	53	324.00	286
82.00	476	156.00	1634	221.00	3542	327.00	297
83.00	459	157.00	171	222.00	464	328.00	249
85.00	367	158.00	385	223.00	1163	332.00	61
86.00	544	159.00	301	224.00	11755	333.00	114
87.00	337	160.00	544	225.00	3008	334.00	1287
91.00	467	161.00	858	226.00	133	335.00	338
92.00	578	162.00	167	227.00	5356	341.00	207
93.00	3454	165.00	721	228.00	716	346.00	311
94.00	137	166.00	605	229.00	1043	352.00	613
96.00	142	167.00	3611	231.00	383	353.00	383
98.00	2471	168.00	1545	232.00	53	354.00	584
99.00	1824	169.00	309	233.00	57	365.00	2389
100.00	134	170.00	113	234.00	283	366.00	303
101.00	1189	171.00	133	235.00	348	371.00	198
103.00	358	172.00	379	236.00	298	372.00	1084
104.00	708	173.00	399	237.00	256	373.00	237
105.00	660	174.00	892	239.00	225	383.00	257
107.00	9219	175.00	1674	241.00	284	390.00	121
108.00	1373	176.00	454	242.00	545	401.00	53
109.00	66	177.00	660	243.00	184	402.00	400
110.00	16178	178.00	278	244.00	8387	403.00	560
111.00	2434	179.00	2874	245.00	1242	404.00	274
112.00	321	180.00	1899	246.00	1826	421.00	582
113.00	57	181.00	986	247.00	338	422.00	652

116.00	566	182.00	137	248.00	54	423.00	3923
117.00	8142	184.00	166	249.00	373	424.00	785
118.00	581	185.00	1494	250.00	52	441.00	12807
120.00	71	186.00	11703	253.00	137	442.00	71744
122.00	639	187.00	3421	255.00	43824	443.00	14476
123.00	960	188.00	304	256.00	6381	444.00	1454
124.00	428	189.00	711	257.00	309		
125.00	439	190.00	69	258.00	2741		
127.00	32464	191.00	289	259.00	449		



**MASS SPECTROMETER
INSTRUMENT PERFORMANCE CHECK
EPA 8270E**

Laboratory:	<u>Analytical Resources, LLC</u>	SDG:	<u>22F0267</u>
Client:	<u>GeoEngineers</u>	Project:	<u>RG Haley Site-Bellingham</u>
Lab File ID:	<u>NT1022062301.D</u>	Injection Date:	<u>06/23/22</u>
Instrument ID:	<u>NT10</u>	Injection Time:	<u>09:00</u>
Sequence:	<u>SKF0270</u>	Lab Sample ID:	<u>SKF0270-TUN1</u>

m/z	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
68	Less than 2% of 69	0	PASS
69	Less than 100% of 198	36.2	PASS
70	Less than 2% of 69	0.456	PASS
197	Less than 2% of 198	0	PASS
198	Base peak, 100% relative abundance	100	PASS
199	5 - 9% of 198	6.81	PASS
365	1 - 100% of 198	2.96	PASS
441	Less than 150% of 443	79.7	PASS
442	1 - 200% of 198	70.7	PASS
443	15 - 24% of 442	19.3	PASS
4,4'-DDD	Less than 20% of 4,4'-DDT		
4,4'-DDE	Less than 20% of		
4,4'-DDT	Base peak, 100% relative abundance		



**MASS SPECTROMETER
INSTRUMENT PERFORMANCE CHECK
EPA 8270E**

Laboratory:	<u>Analytical Resources, LLC</u>	SDG:	<u>22F0267</u>
Client:	<u>GeoEngineers</u>	Project:	<u>RG Haley Site-Bellingham</u>
Lab File ID:	<u>NT1022062301.D</u>	Injection Date:	<u>06/23/22</u>
Instrument ID:	<u>NT10</u>	Injection Time:	<u>09:00</u>
Sequence:	<u>SKF0270</u>	Lab Sample ID:	<u>SKF0270-TUN1</u>

m/z	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
68	Less than 2% of 69	0	PASS
69	Less than 100% of 198	36.2	PASS
70	Less than 2% of 69	0.456	PASS
197	Less than 2% of 198	0	PASS
198	Base peak, 100% relative abundance	100	PASS
199	5 - 9% of 198	6.81	PASS
365	1 - 100% of 198	2.96	PASS
441	Less than 150% of 443	79.7	PASS
442	1 - 200% of 198	70.7	PASS
443	15 - 24% of 442	19.3	PASS
4,4'-DDD	Less than 20% of 4,4'-DDT		
4,4'-DDE	Less than 20% of		
4,4'-DDT	Base peak, 100% relative abundance		

Client Sample ID	Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed
MS Tune	SKF0270-TUN1	NT1022062301.D	06/23/2022	9:00
Cal Standard	SKF0270-CAL5	NT1022062302.D	06/23/2022	9:16
Cal Standard	SKF0270-CAL7	NT1022062303.D	06/23/2022	9:54
Cal Standard	SKF0270-CAL1	NT1022062304.D	06/23/2022	10:33
Cal Standard	SKF0270-CAL6	NT1022062305.D	06/23/2022	11:11
Cal Standard	SKF0270-CAL2	NT1022062306.D	06/23/2022	11:50
Cal Standard	SKF0270-CAL4	NT1022062307.D	06/23/2022	12:29
Cal Standard	SKF0270-CAL3	NT1022062308.D	06/23/2022	13:07
Secondary Cal Check	SKF0270-SCV1	NT1022062311.D	06/23/2022	15:20
Initial Cal Blank	SKF0270-ICB1	NT1022062312.D	06/23/2022	15:59
Initial Cal Check	SKF0270-ICV1	NT1022062313.D	06/23/2022	16:38
Blank	BKF0257-BLK1	NT1022062315.D	06/23/2022	17:55
LCS	BKF0257-BS1	NT1022062316.D	06/23/2022	18:34
LCS Dup	BKF0257-BSD1	NT1022062317.D	06/23/2022	19:13
Reference	BKF0257-SRM1	NT1022062318.D	06/23/2022	19:52
ZZZZZ	22F0092-15	NT1022062319.D	06/23/2022	20:31
ZZZZZ	22F0092-16	NT1022062322.D	06/23/2022	22:27
ZZZZZ	22F0092-18	NT1022062323.D	06/23/2022	23:06
ZZZZZ	22F0092-24	NT1022062324.D	06/23/2022	23:45
ZZZZZ	22F0092-25	NT1022062325.D	06/24/2022	0:23
ZZZZZ	22F0151-01	NT1022062326.D	06/24/2022	1:02
ZZZZZ	22F0151-02	NT1022062327.D	06/24/2022	1:41
ZZZZZ	22D0147-02RE1	NT1022062328.D	06/24/2022	2:19
ZZZZZ	22D0147-03RE1	NT1022062329.D	06/24/2022	2:58
ZZZZZ	22D0147-04RE1	NT1022062330.D	06/24/2022	3:36
ZZZZZ	22E0353-05RE1	NT1022062331.D	06/24/2022	4:15



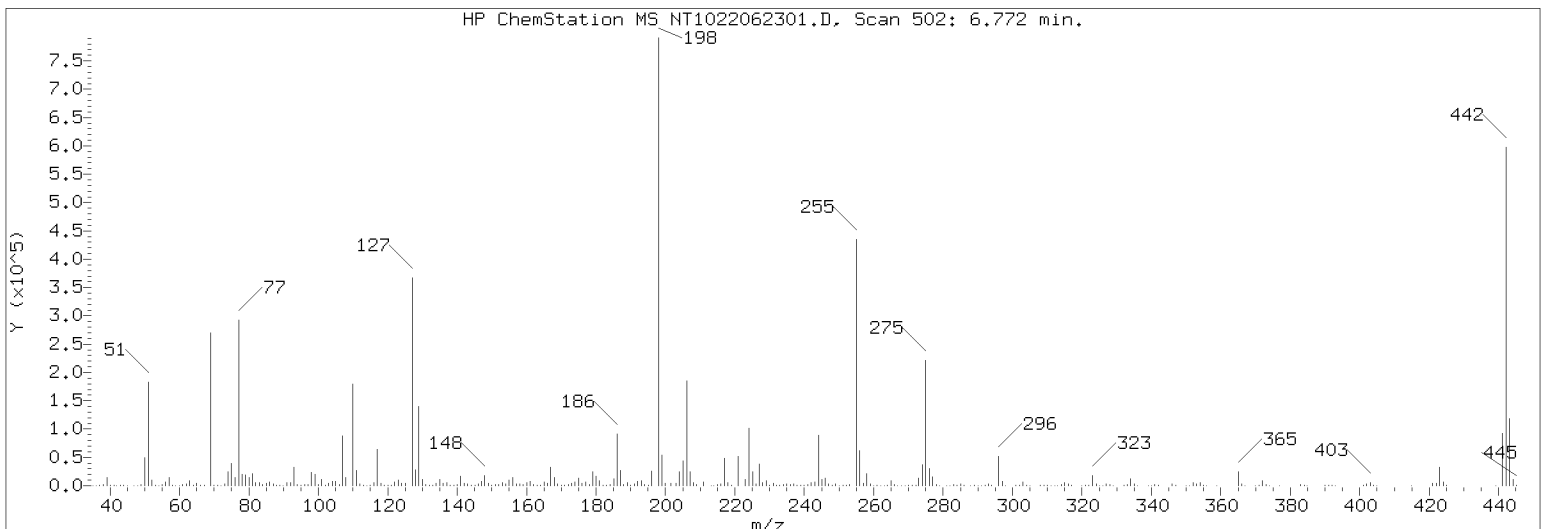
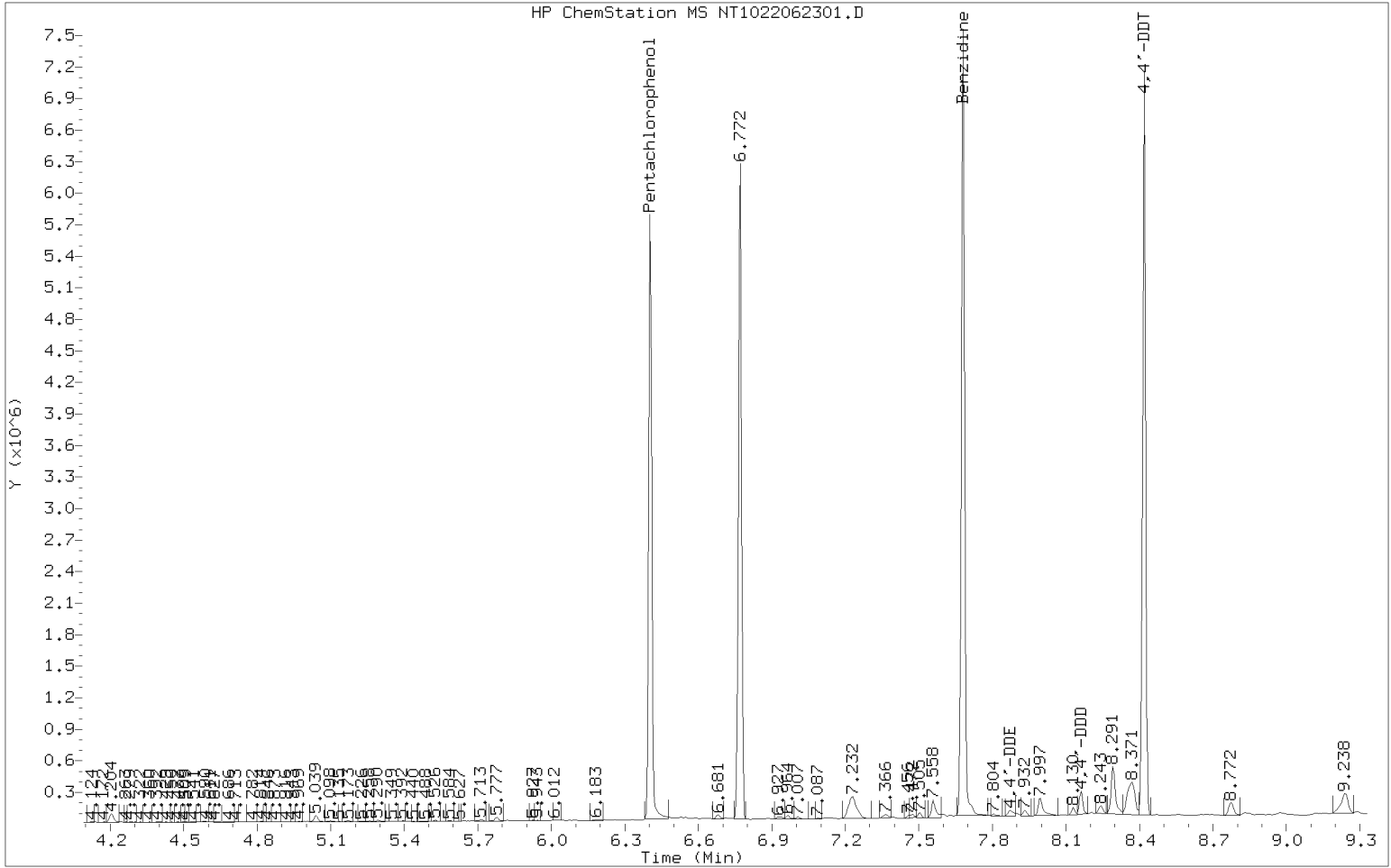
**MASS SPECTROMETER
INSTRUMENT PERFORMANCE CHECK
EPA 8270E**

Laboratory:	<u>Analytical Resources, LLC</u>	SDG:	<u>22F0267</u>
Client:	<u>GeoEngineers</u>	Project:	<u>RG Haley Site-Bellingham</u>
Lab File ID:	<u>NT1022062301.D</u>	Injection Date:	<u>06/23/22</u>
Instrument ID:	<u>NT10</u>	Injection Time:	<u>09:00</u>
Sequence:	<u>SKF0270</u>	Lab Sample ID:	<u>SKF0270-TUN1</u>

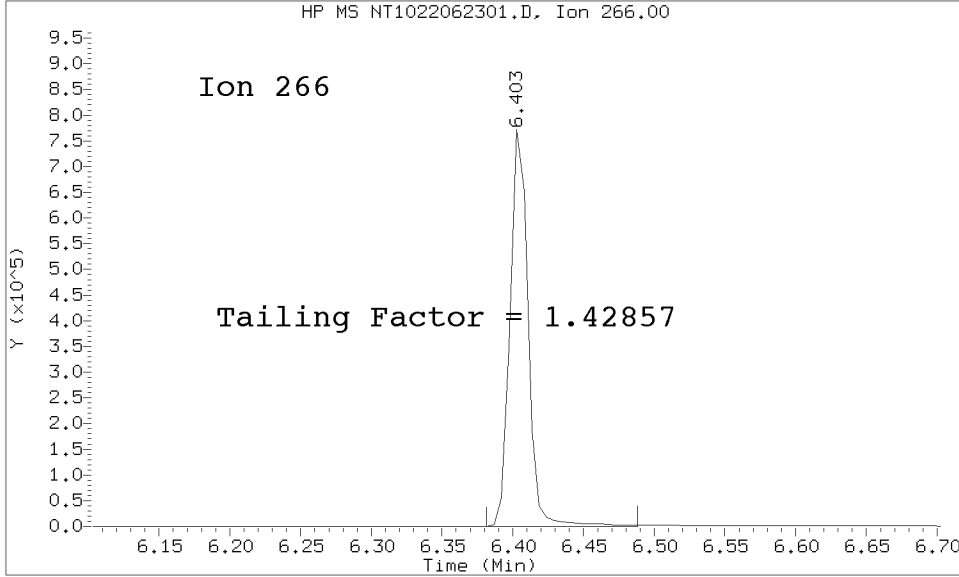
m/z	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
68	Less than 2% of 69	0	PASS
69	Less than 100% of 198	36.2	PASS
70	Less than 2% of 69	0.456	PASS
197	Less than 2% of 198	0	PASS
198	Base peak, 100% relative abundance	100	PASS
199	5 - 9% of 198	6.81	PASS
365	1 - 100% of 198	2.96	PASS
441	Less than 150% of 443	79.7	PASS
442	1 - 200% of 198	70.7	PASS
443	15 - 24% of 442	19.3	PASS
4,4'-DDD	Less than 20% of 4,4'-DDT		
4,4'-DDE	Less than 20% of		
4,4'-DDT	Base peak, 100% relative abundance		
Calibration Check		SKF0270-CCV1	NT1022062332.D
		06/24/2022	4:54

DFTPP TAILING FACTOR AND BREAKDOWN GRAPHIC REPORT

Datafile Analyzed: /20220623.b/NT1022062301.D/NT1022062301.D
 Method Used: \20220623.b\DFTPP8270E.m Inst: nt10
 Injection Date: 23-JUN-2022 09:00 Operator: VTS
 Sample Info: SKF0270-TUN1 SKF0270-TUN1
 Report Date: 06/25/2022 13:34



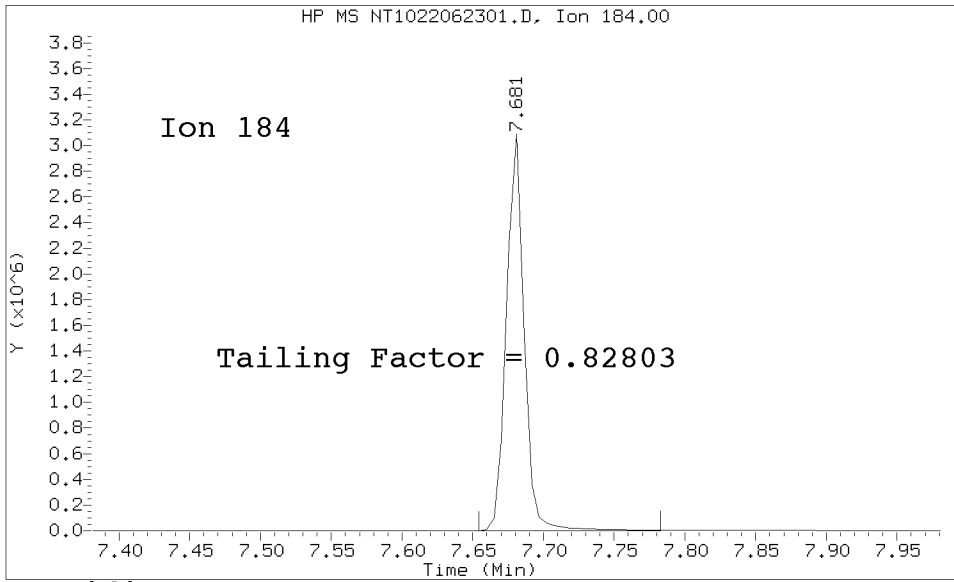
Datafile Analyzed: /20220623.b/NT1022062301.D/NT1022062301.D
Method Used: \20220623.b\DFTPP8270E.m\sw846ddt.m Inst: nt10
Injection Date: 23-JUN-2022 09:00 Operator: VTS
Sample Info: SKF0270-TUN1
Report Date: 06/25/2022 13:34



Pentachlorophenol

=====
Exp. RT = 6.435
Found RT = 6.403

Tail Factor = 1.429 Maximum Allowed = 2.0



Benzidine

=====
Exp. RT = 7.702
Found RT = 7.681

Tail Factor = 0.828 Maximum Allowed = 2.0

8270 TAILING FACTOR/BREAKDOWN SUMMARY RESULTS

TAILING ANALYSIS SUMMARY

Compound	Tail Factor	Max Allowed	Test
Pentachlorophenol	1.4285714	2.000	PASS
Benzidine	0.8280330	2.000	PASS

DDT DEGRADATION BREAKDOWN ANALYSIS SUMMARY

Compound	Response	%Breakdown	Max Allowed	Test
4,4-DDT	1182642			N/A
4,4-DDE	5705	0.5	20.0	PASS
4,4-DDD	38995	3.2	20.0	PASS
4,4-DDD + DDE	44700	3.6	20.0	PASS

Tuning Sample, nt10.i/20220623.b/NT1022062301.D, *** PASSED ***

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
198	Base Peak, 100% relative abundance	100.00
68	Less than 2.00% of mass 69	0.00 (0.00)
69	Mass 69 relative abundance	36.19
70	Less than 2.00% of mass 69	0.16 (0.46)
197	Less than 2.00% of mass 198	0.00
199	5.00 - 9.00% of mass 198	6.81
365	1.00 - 100.00% of mass 198	2.96
441	Less than 150.00% of mass 443	10.90 (79.67)
442	Less than 200.00% of mass 198	70.70
443	15.00 - 24.00% of mass 442	13.68 (19.35)

Data File: NT1022062301.D
 Spectrum: Avg. Scans 501-503 (6.77), Background Scan 496
 Location of Maximum: 198.00
 Number of points: 330

m/z	Y	m/z	Y	m/z	Y	m/z	Y
35.00	62	123.00	7738	209.00	1261	297.00	5636
36.00	115	124.00	3396	211.00	5743	298.00	375
37.00	733	125.00	3146	213.00	463	301.00	557
38.00	2308	127.00	300096	214.00	162	302.00	822
39.00	11563	128.00	22848	215.00	1533	303.00	4793
40.00	486	129.00	112944	216.00	3096	304.00	1156
41.00	123	130.00	9319	217.00	38504	305.00	187
42.00	54	131.00	1845	218.00	4869	308.00	599
43.00	177	132.00	940	219.00	523	309.00	476
44.00	54	133.00	264	221.00	40304	310.00	622
45.00	259	134.00	3184	223.00	8762	311.00	109
48.00	191	135.00	8661	224.00	78720	312.00	154
49.00	1202	136.00	3473	225.00	20216	313.00	398
50.00	41368	137.00	4097	226.00	2234	314.00	2017
51.00	151168	138.00	1063	227.00	30096	315.00	4575
52.00	8034	139.00	476	228.00	4651	316.00	2679
53.00	256	140.00	1511	229.00	6829	317.00	565
55.00	786	141.00	13167	230.00	1062	320.00	163
56.00	5149	142.00	4109	231.00	3104	321.00	1261
57.00	11468	143.00	3013	232.00	623	322.00	854
58.00	402	144.00	888	233.00	585	323.00	13460
59.00	142	145.00	451	234.00	1999	324.00	2430
60.00	111	146.00	2575	235.00	2357	325.00	290
61.00	2108	147.00	6522	236.00	1571	326.00	372
62.00	2604	148.00	14464	237.00	2751	327.00	2546
63.00	7988	149.00	3091	238.00	435	328.00	1371
64.00	1098	150.00	883	239.00	1431	329.00	227
65.00	3878	151.00	1835	240.00	1067	332.00	969
66.00	99	152.00	1144	241.00	2014	333.00	1351
67.00	329	153.00	4014	242.00	4585	334.00	8586
69.00	221952	154.00	3005	243.00	5099	335.00	2264
70.00	1011	155.00	7646	244.00	68824	336.00	263
71.00	345	156.00	10897	245.00	9200	339.00	238
72.00	142	157.00	2360	246.00	10801	340.00	277
73.00	1623	158.00	2392	247.00	2480	341.00	1580
74.00	20920	159.00	2149	248.00	608	342.00	425
75.00	33192	160.00	4284	249.00	2522	346.00	3026
76.00	11814	161.00	6136	250.00	443	347.00	511
77.00	242048	162.00	1868	251.00	558	350.00	69
78.00	16592	163.00	443	252.00	527	351.00	236
79.00	15265	164.00	1021	253.00	1130	352.00	4088
80.00	11913	165.00	4803	255.00	334464	353.00	2761
81.00	17040	166.00	3799	256.00	47528	354.00	4163
82.00	4106	167.00	25552	257.00	3638	355.00	832
83.00	3883	168.00	12023	258.00	16736	356.00	78
84.00	165	169.00	2216	259.00	2796	359.00	309
85.00	3032	170.00	1066	260.00	537	364.00	106
86.00	4569	171.00	1271	261.00	639	365.00	18136
87.00	2513	172.00	2314	262.00	71	366.00	2770

88.00	823	173.00	3272	263.00	184	367.00	212
89.00	491	174.00	5652	264.00	531	370.00	465
90.00	51	175.00	10027	265.00	6841	371.00	1096
91.00	4133	176.00	3308	266.00	972	372.00	7076
92.00	4747	177.00	4854	267.00	44	373.00	1732
93.00	26688	178.00	1565	268.00	200	374.00	239
94.00	1764	179.00	19984	269.00	54	377.00	90
95.00	639	180.00	13074	270.00	523	383.00	1840
96.00	1301	181.00	6623	271.00	633	384.00	471
97.00	731	182.00	1187	272.00	818	385.00	144
98.00	19808	183.00	839	273.00	10911	390.00	900
99.00	16736	184.00	1364	274.00	28000	391.00	640
100.00	1596	185.00	9404	275.00	167744	392.00	481
101.00	9731	186.00	73488	276.00	22704	393.00	137
102.00	647	187.00	20632	277.00	12078	401.00	472
103.00	3357	188.00	2092	278.00	1917	402.00	2612
104.00	6302	189.00	4715	279.00	467	403.00	3773
105.00	5597	190.00	748	280.00	58	404.00	1227
106.00	2244	191.00	2212	281.00	176	405.00	237
107.00	72808	192.00	6414	282.00	435	410.00	55
108.00	12266	193.00	6866	283.00	1308	415.00	136
110.00	145920	194.00	1360	284.00	910	421.00	3151
111.00	21576	195.00	905	285.00	2324	422.00	3202
112.00	2639	196.00	19928	286.00	460	423.00	23640
113.00	792	198.00	613312	287.00	53	424.00	4956
114.00	131	199.00	41776	288.00	88	425.00	512
115.00	362	200.00	3226	289.00	541	439.00	54
116.00	4391	201.00	3528	290.00	424	441.00	66840
117.00	53032	203.00	3496	291.00	338	442.00	433600
118.00	4107	204.00	19488	292.00	629	443.00	83896
119.00	479	205.00	33768	293.00	2675	444.00	7723
120.00	1077	206.00	144320	294.00	629	445.00	432
121.00	334	207.00	18832	295.00	325		
122.00	4704	208.00	4111	296.00	38976		



INITIAL CALIBRATION DATA EPA 8270E

Laboratory:	Analytical Resources, LLC	SDG:	22F0267
Client:	GeoEngineers	Project:	RG Haley Site-Bellingham
Calibration:	FE00035	Instrument:	NT6
Calibration Date:	05/16/2022	Column (1):	ZB-5MSi

Compound	Level 01		Level 02		Level 03		Level 04		Level 05		Level 06	
	Conc	RRF	Conc	RRF	Conc	RRF	Conc	RRF	Conc	RRF	Conc	RRF
Naphthalene	1	0.9884241	5	0.8467835	10	0.858988	25	0.8448741	40	0.7796458	60	0.791783
2-Methylnaphthalene	1	0.5481712	5	0.4463434	10	0.4806072	25	0.4982042	40	0.4543875	60	0.4741347
Acenaphthene	1	1.047849	5	0.9572775	10	0.9313282	25	0.952653	40	0.8682203	60	0.8822349
Pentachlorophenol	3	0.1214848	5	0.1390254	10	0.1417325	25	0.1441956	40	0.1258879	60	0.1386707
Phenanthrene	1	0.9795781	5	0.8434003	10	0.8374716	25	0.8333874	40	0.7485867	60	0.7742066
Fluoranthene	1	1.058248	5	0.9440052	10	0.946032	25	0.9490149	40	0.8530882	60	0.8840278
Benzo(a)anthracene	1	1.260536	5	1.094121	10	1.107009	25	1.098514	40	1.027266	60	1.089592
Chrysene	1	1.189056	5	1.004682	10	1.016126	25	1.019785	40	0.941892	60	0.9889108
Benzo(b)fluoranthene	1	1.114223	5	0.9420939	10	0.964634	25	1.019957	40	0.9005511	60	0.9991598
Benzo(k)fluoranthene	1	1.114039	5	1.043533	10	0.9905941	25	0.9898644	40	0.9685934	60	0.9106107
Benzo(a)pyrene	1	1.01981	5	0.9117855	10	0.8967799	25	0.9506053	40	0.8827943	60	0.9129024
Indeno(1,2,3-cd)pyrene	1	1.413706	5	1.315059	10	1.320598	25	1.331341	40	1.304032	60	1.402984
Dibenzo(a,h)anthracene	1	1.186671	5	1.096516	10	1.108579	25	1.127025	40	1.095014	60	1.164765
1-Methylnaphthalene	1	0.5230963	5	0.4221255	10	0.4477732	25	0.4628472	40	0.4402399	60	0.4439992
2-Fluorophenol	1.5	1.213509	7.5	0.9503859	15	1.005296	37.5	1.117499	60	1.159128	90	1.066359
Phenol-d5	1.5	1.411068	7.5	1.10454	15	1.149212	37.5	1.277716	60	1.320734	90	1.205646
2-Chlorophenol-d4	1.5	1.301012	7.5	1.000427	15	1.058881	37.5	1.162941	60	1.181439	90	1.069519
1,2-Dichlorobenzene-d4	1	0.9098771	5	0.7067172	10	0.7599778	25	0.836351	40	0.8392676	60	0.7784559
Nitrobenzene-d5	1	0.35667	5	0.2711163	10	0.2980015	25	0.3103819	40	0.3250327	60	0.2954339
2-Fluorobiphenyl	1	1.495388	5	1.13662	10	1.160101	25	1.241937	40	1.263513	60	1.118612
2,4,6-Tribromophenol			7.5	0.1608856	15	0.1580351	37.5	0.1780528	60	0.187805	90	0.1665957
p-Terphenyl-d14			5	0.8921312	10	0.9339779	25	0.9777315	40	1.060762	60	0.9447156



INITIAL CALIBRATION DATA

EPA 8270E

Laboratory:	Analytical Resources, LLC	SDG:	22F0267
Client:	GeoEngineers	Project:	RG Haley Site-Bellingham
Calibration:	FE00035	Instrument:	NT6
Calibration Date:	05/16/2022	Column (1):	ZB-5MSi

Compound	Level 07		Level 08		Level 09		Level 10		Level 11		Level 12	
	Conc	RRF	Conc	RRF	Conc	RRF	Conc	RRF	Conc	RRF	Conc	RRF
Naphthalene	80	0.7739024										
2-Methylnaphthalene	80	0.4582803										
Acenaphthene	80	0.8784229										
Pentachlorophenol	80	0.1450882										
Phenanthrene	80	0.7541505										
Fluoranthene	80	0.8877365										
Benzo(a)anthracene	80	1.085399										
Chrysene	80	0.9705502										
Benzo(b)fluoranthene	80	0.9706379										
Benzo(k)fluoranthene	80	0.9077882										
Benzo(a)pyrene	80	0.9109871										
Indeno(1,2,3-cd)pyrene	80	1.39224										
Dibenzo(a,h)anthracene	80	1.151557										
1-Methylnaphthalene	80	0.431321										
2-Fluorophenol	120	1.054833										
Phenol-d5	120	1.187198										
2-Chlorophenol-d4	120	1.049541										
1,2-Dichlorobenzene-d4	80	0.7685353										
Nitrobenzene-d5	80	0.2931812										
2-Fluorobiphenyl	80	1.100552										
2,4,6-Tribromophenol	120	0.1696755										
p-Terphenyl-d14	80	0.8954514										



INITIAL CALIBRATION DATA
EPA 8270E

Laboratory:	Analytical Resources, LLC	SDG:	22F0267
Client:	GeoEngineers	Project:	RG Haley Site-Bellingham
Calibration:	FE00035	Instrument:	NT6
Calibration Date:	05/16/2022	Column (1):	ZB-5MSi

COMPOUND	Mean RRF	RRF RSD	Linear COD	Quad COD	Limit Type & Limit	Q
Naphthalene	0.8406287	8.8			RSD (15)	
2-Methylnaphthalene	0.4800184	7.3			RSD (15)	
Acenaphthene	0.9311408	6.8			RSD (15)	
Pentachlorophenol	0.1365836	6.7			RSD (15)	
Phenanthrene	0.8243973	9.6			RSD (15)	
Fluoranthene	0.9317361	7.2			RSD (15)	
Benzo(a)anthracene	1.10892	6.5			RSD (15)	
Chrysene	1.018715	7.8			RSD (15)	
Benzo(b)fluoranthene	0.9873224	6.9			RSD (15)	
Benzo(k)fluoranthene	0.989289	7.4			RSD (15)	
Benzo(a)pyrene	0.9265235	5.0			RSD (15)	
Indeno(1,2,3-cd)pyrene	1.35428	3.4			RSD (15)	
Dibenzo(a,h)anthracene	1.132875	3.1			RSD (15)	
1-Methylnaphthalene	0.4530575	7.4			RSD (15)	
2-Fluorophenol	1.081001	8.3			RSD (15)	
Phenol-d5	1.236588	8.6			RSD (15)	
2-Chlorophenol-d4	1.11768	9.2			RSD (15)	
1,2-Dichlorobenzene-d4	0.7998831	8.3			RSD (15)	
Nitrobenzene-d5	0.3071168	8.9			RSD (15)	
2-Fluorobiphenyl	1.216675	11.3			RSD (15)	
2,4,6-Tribromophenol	0.1701749	6.5			RSD (15)	
p-Terphenyl-d14	0.950795	6.6			RSD (15)	



ANALYSIS SEQUENCE

SKE0212

Instrument: NT6 Element Column ID: K001588
Calibration ID: FE00035 Tune File: 220209.U
EM Voltage: 1635

Lab Number	Sample Name	Analysis	Container	Order	STD ID	ISTD ID	Comments
SKE0212-TUN1	MS Tune	QC		1	K004655		
SKE0212-ICB1	Initial Cal Blank	QC		2		J012358	
SKE0212-CAL1	8270 ICal	QC		3	K004652	J012358	
SKE0212-CAL2	8270 ICal	QC		4	K004653	J012358	
SKE0212-CAL3	8270 ICal	QC		5	K004654	J012358	
SKE0212-CAL4	8270 ICal	QC		6	K004655	J012358	
SKE0212-CAL5	8270 ICal	QC		7	K004656	J012358	
SKE0212-CAL6	8270 ICal	QC		8	K004657	J012358	
SKE0212-CAL7	8270 ICal	QC		9	K004658	J012358	
SKE0212-SCV1	Secondary Cal Check	QC		10	K004689	J012358	

INTERNAL STANDARD SUMMARY FOR DATABATCH - \\target\share\chem3\nt6.i\20220516.b

Time	Filename	LabID	ClientId	DF										
1	1711	NT622051601.D	SKE0212-CAL4		1	8.71	71723 10.75	255203 13.62	144799 16.02	257295 20.36	195882 21.43	272032 22.55	222542	
2	1711	NT622051601A.D	SKE0212-TUN1		1	NO ISTDs FOUND								
3	1745	NT622051602.D	SKE0212-ICB1		1	8.71	75058 10.75	256178 13.62	146782 16.02	256993 20.36	199514 21.43	262864 22.55	212958	
4	1819	NT622051603.D	SKE0212-CAL1		1	8.71	78626 10.75	270390 13.62	161550 16.02	279651 20.35	205373 21.43	268090 22.55	216707	
5	1852	NT622051604.D	SKE0212-CAL2		1	8.71	82013 10.75	289042 13.62	163263 16.02	285473 20.36	208902 21.43	281399 22.55	230563	
6	1925	NT622051605.D	SKE0212-CAL3		1	8.71	79426 10.75	268502 13.63	155071 16.02	272217 20.36	205628 21.43	282768 22.55	236979	
7	1959	NT622051606.D	SKE0212-CAL5		1	8.71	73865 10.76	259337 13.63	150319 16.02	270288 20.36	188950 21.43	264477 22.55	217916	
8	2033	NT622051607.D	SKE0212-CAL6		1	8.71	74390 10.76	256785 13.63	151055 16.02	269444 20.37	196077 21.43	278736 22.56	234465	
9	2106	NT622051608.D	SKE0212-CAL7		1	8.72	73198 10.76	251973 13.63	146292 16.02	264427 20.37	205536 21.44	296289 22.56	253056	
10	1239	NT622051702.D	SKE0212-SCV1		1	8.70	78743 10.75	265327 13.63	154616 16.02	277010 20.36	212766 21.43	294742 22.55	235601	

MANUAL INTEGRATION SUMMARY FOR DATABATCH - \\target\share\chem3\nt6.i\20220516.b

ARI Job No.: SKE0 Method: SW84620220516.m Instrument: nt6.i Date: 16-MAY-2022

Time	Filename	LabID	ClientId	DF	Manually Integrated Compounds
1711	NT622051601.D	SKE0212-CAL4		1	NO MANUAL INTEGRATION
1745	NT622051602.D	SKE0212-ICB1		1	NO MANUAL INTEGRATION
1819	NT622051603.D	SKE0212-CAL1		1	3-Nitroaniline, 4-Chlorophenyl-phenylether, 1,2-Dichlorobenzene-d4,
1852	NT622051604.D	SKE0212-CAL2		1	Total Benzofluoranthenes,
1925	NT622051605.D	SKE0212-CAL3		1	NO MANUAL INTEGRATION
1959	NT622051606.D	SKE0212-CAL5		1	NO MANUAL INTEGRATION
2033	NT622051607.D	SKE0212-CAL6		1	NO MANUAL INTEGRATION
2106	NT622051608.D	SKE0212-CAL7		1	NO MANUAL INTEGRATION
1239	NT622051702.D	SKE0212-SCV1		1	NO MANUAL INTEGRATION

Security Status Report

Date: 17-May-2022 14:05

NT622051601.D	Data Locked	jianqing, 17-May-2022 14:05
NT622051601A.D	Data Locked	jianqing, 17-May-2022 14:05
NT622051602.D	Data Locked	jianqing, 17-May-2022 14:05
NT622051603.D	Data Locked	jianqing, 17-May-2022 14:05
NT622051604.D	Data Locked	jianqing, 17-May-2022 14:05
NT622051605.D	Data Locked	jianqing, 17-May-2022 14:05
NT622051606.D	Data Locked	jianqing, 17-May-2022 14:05
NT622051607.D	Data Locked	jianqing, 17-May-2022 14:05
NT622051608.D	Data Locked	jianqing, 17-May-2022 14:05
NT622051702.D	Data Locked	jianqing, 17-May-2022 14:05

ARI Labs, Inc.

INITIAL CALIBRATION DATA

Start Cal Date : 16-MAY-2022 17:11
 End Cal Date : 16-MAY-2022 21:06
 Quant Method : ISTD
 Origin : Force
 Target Version : 4.14
 Integrator : HP RTE
 Method file : \\target\share\chem3\nt6.i\20220516.b\SW84620220516.m
 Last Edit : 16-May-2022 22:28 Jianqing

Calibration File Names:

Level 1: \\target\share\chem3\nt6.i\20220516.b\NT622051603.D
 Level 2: \\target\share\chem3\nt6.i\20220516.b\NT622051604.D
 Level 3: \\target\share\chem3\nt6.i\20220516.b\NT622051605.D
 Level 4: \\target\share\chem3\nt6.i\20220516.b\NT622051601.D
 Level 5: \\target\share\chem3\nt6.i\20220516.b\NT622051606.D
 Level 6: \\target\share\chem3\nt6.i\20220516.b\NT622051607.D
 Level 7: \\target\share\chem3\nt6.i\20220516.b\NT622051608.D

Compound	1.0000	5.0000	10.0000	25.0000	40.0000	60.0000	Curve	Coefficients			%RSD or R ²
	Level 1	Level 2	Level 3	Level 4	Level 5	Level 6		b	m1	m2	
	80.0000										
	Level 7										
186 Carbaryl	++++	++++	++++	++++	++++	++++					
	++++						AVRG	0.000e+000			0.000e+000
168 Pentachlorobenzene	++++	++++	++++	++++	++++	++++					
	++++						AVRG	0.000e+000			0.000e+000
133 Butylatedhydroxytoluene	1.28839	1.00187	1.06168	1.11479	0.96688	0.99996					
	0.99667						AVRG	1.06146			10.52035
144 alpha-Terpineol	0.19017	0.17474	0.17390	0.17838	0.16416	0.16590					
	0.16308						AVRG	0.17290			5.56101

ARI Labs, Inc.

INITIAL CALIBRATION DATA

Start Cal Date : 16-MAY-2022 17:11
 End Cal Date : 16-MAY-2022 21:06
 Quant Method : ISTD
 Origin : Force
 Target Version : 4.14
 Integrator : HP RTE
 Method file : \\target\share\chem3\nt6.i\20220516.b\SW84620220516.m
 Last Edit : 16-May-2022 22:28 Jianqing

Compound	1.0000	5.0000	10.0000	25.0000	40.0000	60.0000	Curve	b	Coefficients		%RSD or R ²
	Level 1	Level 2	Level 3	Level 4	Level 5	Level 6			m1	m2	
	80.0000										
	Level 7										
123 Acetophenone	+++++	+++++	+++++	+++++	+++++	+++++					
	+++++						AVRG		0.000e+000		0.000e+000
120 2,3,4,6-Tetrachlorophenol	0.29514	0.31201	0.30236	0.31738	0.28036	0.30913					
	0.31212						AVRG		0.30407		4.19334
118 Triphenyl Phosphate	0.23567	0.17220	0.19399	0.19894	0.18651	0.19665					
	0.19981						AVRG		0.19768		9.77015
117 Butyl Diphenyl Phosphate	0.16750	0.14765	0.15877	0.17379	0.15863	0.16424					
	0.16223						AVRG		0.16183		5.05694
116 Dibutyl Phenyl Phosphate	0.50327	0.40075	0.42205	0.45021	0.38846	0.41089					
	0.42310						AVRG		0.42839		8.94768
115 Tributyl Phosphate	0.70838	0.54541	0.58213	0.59625	0.51741	0.53859					
	0.53246						AVRG		0.57437		11.37656
113 Diphenyl Oxide	+++++	+++++	+++++	+++++	+++++	+++++					
	+++++						AVRG		0.000e+000		0.000e+000

ARI Labs, Inc.

INITIAL CALIBRATION DATA

Start Cal Date : 16-MAY-2022 17:11
 End Cal Date : 16-MAY-2022 21:06
 Quant Method : ISTD
 Origin : Force
 Target Version : 4.14
 Integrator : HP RTE
 Method file : \\target\share\chem3\nt6.i\20220516.b\SW84620220516.m
 Last Edit : 16-May-2022 22:28 Jianqing

Compound	1.0000	5.0000	10.0000	25.0000	40.0000	60.0000	Curve	b	Coefficients		%RSD or R ²
	Level 1	Level 2	Level 3	Level 4	Level 5	Level 6			m1	m2	
	80.0000										
	Level 7										
112 Biphenyl	+++++	+++++	+++++	+++++	+++++	+++++					
	+++++						AVRG		0.000e+000		0.000e+000
111 Azobenzene (1,2-DP-Hydrazine)	0.60919	0.53358	0.52413	0.52446	0.46229	0.46327					
	0.44744						AVRG		0.50919		11.10127
105 1-methylnaphthalene	0.52310	0.42213	0.44777	0.46285	0.44024	0.44400					
	0.43132						AVRG		0.45306		7.37843
151 1,2,4,5-Tetrachlorobenzene	0.60031	0.56819	0.54397	0.55984	0.51870	0.52278					
	0.52867						AVRG		0.54892		5.34365
3 Phenol	1.65925	1.44650	1.41077	1.47020	1.29347	1.37745					
	1.40329						AVRG		1.43728		7.85912
4 Bis(2-Chloroethyl)ether	0.88342	0.86523	0.86392	0.91435	0.83230	0.86042					
	0.85157						AVRG		0.86732		2.98046
6 2-Chlorophenol	1.32017	1.22371	1.16070	1.22026	1.04462	1.11295					
	1.13228						AVRG		1.17353		7.65029

ARI Labs, Inc.

INITIAL CALIBRATION DATA

Start Cal Date : 16-MAY-2022 17:11
 End Cal Date : 16-MAY-2022 21:06
 Quant Method : ISTD
 Origin : Force
 Target Version : 4.14
 Integrator : HP RTE
 Method file : \\target\share\chem3\nt6.i\20220516.b\SW84620220516.m
 Last Edit : 16-May-2022 22:28 Jianqing

Compound	1.0000	5.0000	10.0000	25.0000	40.0000	60.0000	Curve	b	Coefficients		%RSD or R ²
	Level 1	Level 2	Level 3	Level 4	Level 5	Level 6			m1	m2	
	80.0000										
	Level 7										
7 1,3-Dichlorobenzene	1.27337	1.24717	1.21333	1.26036	1.15233	1.19050					
	1.19778						AVRG		1.21926		3.54346
9 1,4-Dichlorobenzene	1.24514	1.20596	1.21101	1.22520	1.12878	1.15894					
	1.15054						AVRG		1.18937		3.63955
11 Benzyl alcohol	0.67102	0.63800	0.65183	0.72545	0.66903	0.68027					
	0.66339						AVRG		0.67128		4.11057
12 1,2-Dichlorobenzene	1.18027	1.15357	1.14242	1.17587	1.06830	1.09680					
	1.08806						AVRG		1.12933		3.96109
13 2-Methylphenol	1.09099	1.00160	0.96538	1.00820	0.87592	0.92396					
	0.94823						AVRG		0.97347		7.07716
14 2,2'-oxybis(1-Chloropropane)	0.71071	0.68418	0.64314	0.69516	0.63169	0.64826					
	0.64794						AVRG		0.66587		4.55548
15 4-Methylphenol	1.11999	1.08953	1.02050	1.08451	0.94524	0.99696					
	1.01172						AVRG		1.03835		5.93988

ARI Labs, Inc.

INITIAL CALIBRATION DATA

Start Cal Date : 16-MAY-2022 17:11
 End Cal Date : 16-MAY-2022 21:06
 Quant Method : ISTD
 Origin : Force
 Target Version : 4.14
 Integrator : HP RTE
 Method file : \\target\share\chem3\nt6.i\20220516.b\SW84620220516.m
 Last Edit : 16-May-2022 22:28 Jianqing

Compound	1.0000	5.0000	10.0000	25.0000	40.0000	60.0000	Curve	b	Coefficients		%RSD or R ²
	Level 1	Level 2	Level 3	Level 4	Level 5	Level 6			m1	m2	
	80.0000										
	Level 7										
16 N-Nitroso-di-n-propylamine	0.72139 0.61885	0.66711	0.62191	0.67429	0.62224	0.62585					
							AVRG		0.65024		5.98668
17 Hexachloroethane	0.49983 0.46054	0.48514	0.49729	0.50039	0.45721	0.45713					
							AVRG		0.47965		4.30203
19 Nitrobenzene	0.33241 0.27621	0.29199	0.29241	0.29630	0.27303	0.27920					
							AVRG		0.29165		6.89104
20 Isophorone	0.38855 0.36229	0.37172	0.36856	0.38444	0.35236	0.36026					
							AVRG		0.36974		3.53130
21 2-Nitrophenol	0.18055 0.18396	0.18323	0.18514	0.18569	0.16575	0.17888					
							AVRG		0.18046		3.83874
22 2,4-Dimethylphenol	0.36643 0.32815	0.35938	0.34517	0.34870	0.30168	0.32546					
							AVRG		0.33928		6.58270
23 Bis(2-Chloroethoxy)methane	0.30230 0.25329	0.25596	0.26436	0.26624	0.25053	0.25475					
							AVRG		0.26392		6.77551

ARI Labs, Inc.

INITIAL CALIBRATION DATA

Start Cal Date : 16-MAY-2022 17:11
 End Cal Date : 16-MAY-2022 21:06
 Quant Method : ISTD
 Origin : Force
 Target Version : 4.14
 Integrator : HP RTE
 Method file : \\target\share\chem3\nt6.i\20220516.b\SW84620220516.m
 Last Edit : 16-May-2022 22:28 Jianqing

Compound	1.0000	5.0000	10.0000	25.0000	40.0000	60.0000	Curve	b	Coefficients		%RSD or R ²
	Level 1	Level 2	Level 3	Level 4	Level 5	Level 6			m1	m2	
	80.0000										
	Level 7										
24 Benzoic acid	0.16256	0.19967	0.21710	0.23143	0.21298	0.23583					
	0.25615						AVRG		0.21653		13.82109
25 2,4-Dichlorophenol	0.29631	0.28437	0.27821	0.28589	0.24920	0.26864					
	0.27254						AVRG		0.27645		5.46276
26 1,2,4-Trichlorobenzene	0.35134	0.31694	0.31795	0.31699	0.29196	0.30603					
	0.30379						AVRG		0.31500		5.90256
28 Naphthalene	0.98842	0.84678	0.85899	0.84487	0.77965	0.79178					
	0.77390						AVRG		0.84063		8.79458
29 4-Chloroaniline	0.38751	0.32907	0.33894	0.35559	0.33258	0.34116					
	0.33362						AVRG		0.34550		5.91621
30 Hexachlorobutadiene	0.21939	0.19658	0.20522	0.20744	0.19013	0.20045					
	0.20345						AVRG		0.20324		4.52011
31 4-Chloro-3-methylphenol	0.31177	0.28270	0.27290	0.28330	0.25317	0.26992					
	0.27529						AVRG		0.27844		6.39878

ARI Labs, Inc.

INITIAL CALIBRATION DATA

Start Cal Date : 16-MAY-2022 17:11
 End Cal Date : 16-MAY-2022 21:06
 Quant Method : ISTD
 Origin : Force
 Target Version : 4.14
 Integrator : HP RTE
 Method file : \\target\share\chem3\nt6.i\20220516.b\SW84620220516.m
 Last Edit : 16-May-2022 22:28 Jianqing

Compound	1.0000	5.0000	10.0000	25.0000	40.0000	60.0000	Curve	b	Coefficients		%RSD or R ²
	Level 1	Level 2	Level 3	Level 4	Level 5	Level 6			m1	m2	
	80.0000										
	Level 7										
32 2-Methylnaphthalene	0.54817 0.45828	0.44634	0.48061	0.49820	0.45439	0.47413	AVRG		0.48002		7.25358
33 Hexachlorocyclopentadiene	0.31099 0.37944	0.35244	0.35205	0.39006	0.37025	0.37702	AVRG		0.36175		7.29465
34 2,4,6-Trichlorophenol	0.34788 0.38836	0.38132	0.38301	0.39673	0.34597	0.37109	AVRG		0.37348		5.27870
35 2,4,5-Trichlorophenol	0.41362 0.39315	0.41832	0.39498	0.41391	0.36727	0.38275	AVRG		0.39771		4.72555
37 2-Chloronaphthalene	1.09093 0.91212	0.99329	0.96170	0.99454	0.90816	0.91956	AVRG		0.96861		6.73610
38 2-Nitroaniline	0.27855 0.23657	0.23408	0.23271	0.25690	0.23536	0.23984	AVRG		0.24486		6.93138
39 Dimethylphthalate	1.22253 0.99532	1.10259	1.03919	1.08394	0.99248	0.98393	AVRG		1.06000		8.05716

ARI Labs, Inc.

INITIAL CALIBRATION DATA

Start Cal Date : 16-MAY-2022 17:11
 End Cal Date : 16-MAY-2022 21:06
 Quant Method : ISTD
 Origin : Force
 Target Version : 4.14
 Integrator : HP RTE
 Method file : \\target\share\chem3\nt6.i\20220516.b\SW84620220516.m
 Last Edit : 16-May-2022 22:28 Jianqing

Compound	1.0000	5.0000	10.0000	25.0000	40.0000	60.0000	Curve	b	Coefficients		%RSD or R ²
	Level 1	Level 2	Level 3	Level 4	Level 5	Level 6			m1	m2	
	80.0000										
	Level 7										
40 Acenaphthylene	1.81034 1.42941	1.62944	1.59581	1.61010	1.46321	1.45519					
							AVRG		1.57050		8.53953
41 2,6-Dinitrotoluene	0.23114 0.24470	0.24706	0.23861	0.25191	0.23697	0.24105					
							AVRG		0.24163		2.85698
43 3-Nitroaniline	0.25020 0.23202	0.22773	0.23081	0.24129	0.23263	0.23706					
							AVRG		0.23596		3.25235
44 Acenaphthene	1.04785 0.87842	0.95728	0.93133	0.95265	0.86822	0.88223					
							AVRG		0.93114		6.77763
45 2,4-Dinitrophenol	+++++ 219903	7664	19575	55288	90380	155158					
							QUAD	0.000e+000	7.28238	-1.31787	0.99903
46 Dibenzofuran	1.51817 1.23794	1.33243	1.35653	1.42167	1.27311	1.27980					
							AVRG		1.34566		7.24539
47 4-Nitrophenol	0.16082 0.15927	0.18495	0.18028	0.18669	0.16577	0.15602					
							AVRG		0.17054		7.64066

ARI Labs, Inc.

INITIAL CALIBRATION DATA

Start Cal Date : 16-MAY-2022 17:11
 End Cal Date : 16-MAY-2022 21:06
 Quant Method : ISTD
 Origin : Force
 Target Version : 4.14
 Integrator : HP RTE
 Method file : \\target\share\chem3\nt6.i\20220516.b\SW84620220516.m
 Last Edit : 16-May-2022 22:28 Jianqing

Compound	1.0000	5.0000	10.0000	25.0000	40.0000	60.0000	Curve	b	Coefficients		%RSD or R ²
	Level 1	Level 2	Level 3	Level 4	Level 5	Level 6			m1	m2	
	80.0000										
	Level 7										
48 2,4-Dinitrotoluene	0.28945 0.31183	0.32255	0.31168	0.32809	0.30667	0.31269					
							AVRG		0.31185		3.94408
49 Fluorene	1.21894 1.02877	1.07946	1.07787	1.09643	1.01144	1.02225					
							AVRG		1.07645		6.58547
50 Diethylphthalate	1.15964 0.97124	1.04790	1.01735	1.04729	0.96055	0.96325					
							AVRG		1.02389		6.91263
51 4-Chlorophenyl-phenylether	0.66989 0.59713	0.60489	0.59622	0.61211	0.56376	0.58448					
							AVRG		0.60407		5.45526
52 4-Nitroaniline	0.23609 0.20699	0.20634	0.21815	0.21249	0.20419	0.20950					
							AVRG		0.21339		5.16543
53 4,6-Dinitro-2-methylphenol	0.08085 0.12320	0.10685	0.11190	0.12096	0.10600	0.11681					
							AVRG		0.10951		13.01121
54 N-Nitrosodiphenylamine	0.51121 0.40290	0.45530	0.42743	0.43844	0.39992	0.39938					
							AVRG		0.43351		9.32436

ARI Labs, Inc.

INITIAL CALIBRATION DATA

Start Cal Date : 16-MAY-2022 17:11
 End Cal Date : 16-MAY-2022 21:06
 Quant Method : ISTD
 Origin : Force
 Target Version : 4.14
 Integrator : HP RTE
 Method file : \\target\share\chem3\nt6.i\20220516.b\SW84620220516.m
 Last Edit : 16-May-2022 22:28 Jianqing

Compound	1.0000	5.0000	10.0000	25.0000	40.0000	60.0000	Curve	b	Coefficients		%RSD or R ²
	Level 1	Level 2	Level 3	Level 4	Level 5	Level 6			m1	m2	
	80.0000										
	Level 7										
56 4-Bromophenyl-phenylether	0.20347 0.18556	0.18937	0.18506	0.19283	0.17640	0.18239					
							AVRG		0.18787		4.58377
57 Hexachlorobenzene	0.23343 0.19645	0.20497	0.20225	0.20855	0.18807	0.19749					
							AVRG		0.20446		7.03870
58 Pentachlorophenol	0.12148 0.14509	0.13903	0.14173	0.14420	0.12589	0.13867					
							AVRG		0.13658		6.74662
60 Phenanthrene	0.97958 0.75415	0.84340	0.83747	0.83339	0.74859	0.77421					
							AVRG		0.82440		9.64003
61 Anthracene	0.95541 0.75220	0.85070	0.84571	0.83772	0.76186	0.76882					
							AVRG		0.82463		8.67406
62 Carbazole	0.82810 0.67613	0.73276	0.73056	0.69693	0.62738	0.67003					
							AVRG		0.70884		9.03729
63 Di-n-butylphthalate	1.03314 0.80669	0.91839	0.91708	0.90424	0.81289	0.82104					
							AVRG		0.88764		9.17958

ARI Labs, Inc.

INITIAL CALIBRATION DATA

Start Cal Date : 16-MAY-2022 17:11
 End Cal Date : 16-MAY-2022 21:06
 Quant Method : ISTD
 Origin : Force
 Target Version : 4.14
 Integrator : HP RTE
 Method file : \\target\share\chem3\nt6.i\20220516.b\SW84620220516.m
 Last Edit : 16-May-2022 22:28 Jianqing

Compound	1.0000	5.0000	10.0000	25.0000	40.0000	60.0000	Curve	b	Coefficients		%RSD or R ²
	Level 1	Level 2	Level 3	Level 4	Level 5	Level 6			m1	m2	
	80.0000										
	Level 7										
64 Fluoranthene	1.05825 0.88774	0.94401	0.94603	0.94901	0.85309	0.88403					
							AVRG		0.93174		7.20717
65 Pyrene	1.44147 1.13042	1.30358	1.26046	1.25478	1.19459	1.20445					
							AVRG		1.25568		7.88934
67 Butylbenzylphthalate	0.50659 0.47619	0.48099	0.49486	0.50776	0.48645	0.48833					
							AVRG		0.49160		2.46879
68 Benzo(a)anthracene	1.26054 1.08540	1.09412	1.10701	1.09851	1.02727	1.08959					
							AVRG		1.10892		6.47278
70 3,3'-Dichlorobenzidine	0.39752 0.34180	0.34311	0.34957	0.30034	0.27480	0.31786					
							AVRG		0.33214		11.85040
71 Chrysene	1.18906 0.97055	1.00468	1.01613	1.01979	0.94189	0.98891					
							AVRG		1.01871		7.84595
72 bis(2-Ethylhexyl)phthalate	0.50998 0.41914	0.47146	0.47226	0.48060	0.44234	0.44305					
							AVRG		0.46269		6.49663

ARI Labs, Inc.

INITIAL CALIBRATION DATA

Start Cal Date : 16-MAY-2022 17:11
 End Cal Date : 16-MAY-2022 21:06
 Quant Method : ISTD
 Origin : Force
 Target Version : 4.14
 Integrator : HP RTE
 Method file : \\target\share\chem3\nt6.i\20220516.b\SW84620220516.m
 Last Edit : 16-May-2022 22:28 Jianqing

Compound	1.0000	5.0000	10.0000	25.0000	40.0000	60.0000	Curve	b	Coefficients		%RSD or R ²
	Level 1	Level 2	Level 3	Level 4	Level 5	Level 6			m1	m2	
	80.0000										
	Level 7										
73 Di-n-octylphthalate	1.00369 0.74278	0.86798	0.83922	0.83697	0.77590	0.77638					
							AVRG		0.83470		10.37528
74 Benzo(b)fluoranthene	1.11422 0.97064	0.94209	0.96463	1.01996	0.90055	0.99916					
							AVRG		0.98732		6.87899
75 Benzo(k)fluoranthene	1.11404 0.90779	1.04353	0.99059	0.98986	0.96859	0.91061					
							AVRG		0.98929		7.35521
76 Benzo(a)pyrene	1.01981 0.91099	0.91179	0.89678	0.95061	0.88279	0.91290					
							AVRG		0.92652		4.97015
78 Indeno(1,2,3-cd)pyrene	1.41371 1.39224	1.31506	1.32060	1.33134	1.30403	1.40298					
							AVRG		1.35428		3.44608
79 Dibenzo(a,h)anthracene	1.18667 1.15156	1.09652	1.10858	1.12703	1.09501	1.16477					
							AVRG		1.13288		3.14985
80 Benzo(g,h,i)perylene	1.22027 1.16541	1.14950	1.13512	1.14847	1.12437	1.18780					
							AVRG		1.16156		2.84419

ARI Labs, Inc.

INITIAL CALIBRATION DATA

Start Cal Date : 16-MAY-2022 17:11
 End Cal Date : 16-MAY-2022 21:06
 Quant Method : ISTD
 Origin : Force
 Target Version : 4.14
 Integrator : HP RTE
 Method file : \\target\share\chem3\nt6.i\20220516.b\SW84620220516.m
 Last Edit : 16-May-2022 22:28 Jianqing

Compound	1.0000	5.0000	10.0000	25.0000	40.0000	60.0000	Curve	b	Coefficients		%RSD or R ²
	Level 1	Level 2	Level 3	Level 4	Level 5	Level 6			m1	m2	
	80.0000										
	Level 7										
90 N-Nitrosodimethylamine	0.48050 0.52596	0.49460	0.50117	0.51467	0.49939	0.51645					
							AVRG		0.50468		3.04585
91 Aniline	1.63813 1.45585	1.35520	1.42331	1.56094	1.42535	1.48731					
							AVRG		1.47801		6.41518
93 Benzidine	0.34260 0.34046	0.33737	0.31137	0.32103	0.34717	0.36034					
							AVRG		0.33719		4.84779
103 Pyridine	0.93709 0.98342	0.91176	0.91136	0.99746	0.91488	0.99337					
							AVRG		0.94991		4.21222
187 Total Benzofluoranthenes	1.05659 0.88853	0.94164	0.93239	0.95985	0.89003	0.90784					
							AVRG		0.93955		6.17981
\$ 1 2-Fluorophenol	1.21351 1.05483	0.95039	1.00530	1.11750	1.15913	1.06636					
							AVRG		1.08100		8.33288
\$ 2 Phenol-d5	1.41107 1.18720	1.10454	1.14921	1.27772	1.32073	1.20565					
							AVRG		1.23659		8.58895

ARI Labs, Inc.

INITIAL CALIBRATION DATA

Start Cal Date : 16-MAY-2022 17:11
 End Cal Date : 16-MAY-2022 21:06
 Quant Method : ISTD
 Origin : Force
 Target Version : 4.14
 Integrator : HP RTE
 Method file : \\target\share\chem3\nt6.i\20220516.b\SW84620220516.m
 Last Edit : 16-May-2022 22:28 Jianqing

Compound	1.0000	5.0000	10.0000	25.0000	40.0000	60.0000	Curve	b	Coefficients		%RSD or R ²
	Level 1	Level 2	Level 3	Level 4	Level 5	Level 6			m1	m2	
	80.0000										
	Level 7										
\$ 5 2-Chlorophenol-d4	1.30101	1.00043	1.05888	1.16294	1.18144	1.06952					
	1.04954						AVRG		1.11768		9.23274
\$ 10 1,2-Dichlorobenzene-d4	0.90988	0.70672	0.75998	0.83635	0.83927	0.77846					
	0.76854						AVRG		0.79988		8.33880
\$ 18 Nitrobenzene-d5	0.35667	0.27112	0.29800	0.31038	0.32503	0.29543					
	0.29318						AVRG		0.30712		8.91417
\$ 36 2-Fluorobiphenyl	1.49539	1.13662	1.16010	1.24194	1.26351	1.11861					
	1.10055						AVRG		1.21667		11.29062
\$ 55 2,4,6-Tribromophenol	+++++	0.16089	0.15804	0.17805	0.18781	0.16660					
	0.16968						AVRG		0.17017		6.54151
\$ 66 Terphenyl-d14	+++++	0.89213	0.93398	0.97773	1.06076	0.94472					
	0.89545						AVRG		0.95079		6.59214

ARI Labs, Inc.

INITIAL CALIBRATION DATA

Start Cal Date : 16-MAY-2022 17:11
End Cal Date : 16-MAY-2022 21:06
Quant Method : ISTD
Origin : Force
Target Version : 4.14
Integrator : HP RTE
Method file : \\target\share\chem3\nt6.i\20220516.b\SW84620220516.m
Last Edit : 16-May-2022 22:28 Jianqing

Curve	Formula	Units
Averaged	Amt = Rsp/m1	Response
Quad	Amt = b + m1*Rsp + m2*Rsp^2	Response

ARI Labs, Inc.
RETENTION TIME SUMMARY REPORT

Method File: \\target\share\chem3\nt6.i\20220516.b\SW84620220516.m
Batch File: \\target\share\chem3\nt6.i\20220516.b
Inst ID: nt6.i

ID: RT01 RT02 RT03 RT04 RT05 RT06 RT07
FILENAME: NT622051601 NT622051603 NT622051604 NT622051605 NT622051606 NT622051607 NT622051608
INJ. DATE: 16-MAY-2022 16-MAY-2022 16-MAY-2022 16-MAY-2022 16-MAY-2022 16-MAY-2022 16-MAY-2022
INJ. TIME: 17:11 18:19 18:52 19:25 19:59 20:33 21:06

Table with columns: Compound, RT01, RT02, RT03, RT04, RT05, RT06, RT07, EXPEC RT, RT WINDOW, AVG RT, STD DEV. Rows include various chemical compounds like 186 Carbaryl, 168 Pentachlorobenzene, etc.

Reviewer 1 _____ Date: _____
Reviewer 2 _____ Date: _____

ARI Labs, Inc.
RETENTION TIME SUMMARY REPORT

Method File: \\target\share\chem3\nt6.i\20220516.b\SW84620220516.m

Batch File: \\target\share\chem3\nt6.i\20220516.b

Inst ID: nt6.i

Compound	RT01	RT02	RT03	RT04	RT05	RT06	RT07	EXPEC RT	RT WINDOW	AVG RT	STD DEV
3 Phenol	8.251	8.236	8.239	8.242	8.255	8.267	8.273	8.251	5.251-11.251	8.252	0.014
4 Bis(2-Chloroethyl)ethel	8.368	8.359	8.361	8.365	8.373	8.379	8.380	8.368	5.368-11.368	8.369	0.008
\$ 5 2-Chlorophenol-d4	8.405	8.401	8.399	8.402	8.410	8.411	8.417	8.405	5.405-11.405	8.407	0.007
6 2-Chlorophenol	8.427	8.423	8.426	8.424	8.432	8.437	8.444	8.427	5.427-11.427	8.430	0.008
7 1,3-Dichlorobenzene	8.651	8.647	8.650	8.648	8.651	8.656	8.658	8.651	5.651-11.651	8.652	0.004
* 8 1,4-Dichlorobenzene-d4	8.710	8.706	8.709	8.707	8.709	8.710	8.717	8.710	5.710-11.710	8.710	0.003
9 1,4-Dichlorobenzene	8.737	8.733	8.730	8.733	8.736	8.737	8.743	8.737	5.737-11.737	8.736	0.004
\$ 10 1,2-Dichlorobenzene-d4	9.009	9.005	9.008	9.006	9.009	9.014	9.016	9.009	6.009-12.009	9.009	0.004
11 Benzyl alcohol	8.966	8.962	8.960	8.963	8.971	8.982	8.989	8.966	5.966-11.966	8.971	0.011
12 1,2-Dichlorobenzene	9.030	9.026	9.029	9.027	9.030	9.036	9.037	9.030	6.030-12.030	9.031	0.004
13 2-Methylphenol	9.175	9.171	9.173	9.171	9.179	9.185	9.187	9.175	6.175-12.175	9.177	0.007
14 2,2'-oxybis(1-Chloropr	9.223	9.219	9.216	9.219	9.222	9.228	9.229	9.223	6.223-12.223	9.222	0.005
15 4-Methylphenol	9.404	9.395	9.398	9.396	9.409	9.420	9.427	9.404	6.404-12.404	9.407	0.013
16 N-Nitroso-di-n-propyla	9.442	9.432	9.435	9.433	9.452	9.458	9.470	9.442	6.442-12.442	9.446	0.014
17 Hexachloroethane	9.516	9.518	9.515	9.513	9.516	9.516	9.518	9.516	6.516-12.516	9.516	0.002
\$ 18 Nitrobenzene-d5	9.634	9.630	9.627	9.631	9.639	9.645	9.646	9.634	6.634-12.634	9.636	0.007
19 Nitrobenzene	9.661	9.657	9.654	9.657	9.666	9.671	9.678	9.661	6.661-12.661	9.663	0.009
20 Isophorone	10.034	10.025	10.028	10.031	10.039	10.050	10.057	10.034	7.034-13.034	10.038	0.012
21 2-Nitrophenol	10.173	10.169	10.172	10.170	10.173	10.179	10.185	10.173	7.173-13.173	10.175	0.006
22 2,4-Dimethylphenol	10.248	10.239	10.242	10.245	10.248	10.259	10.260	10.248	7.248-13.248	10.249	0.008
23 Bis(2-Chloroethoxy)met	10.408	10.399	10.402	10.405	10.408	10.414	10.420	10.408	7.408-13.408	10.408	0.007
24 Benzoic acid	10.462	10.335	10.370	10.400	10.499	10.553	10.581	10.462	7.462-13.462	10.457	0.093

ARI Labs, Inc.
RETENTION TIME SUMMARY REPORT

Method File: \\target\share\chem3\nt6.i\20220516.b\SW84620220516.m

Batch File: \\target\share\chem3\nt6.i\20220516.b

Inst ID: nt6.i

Compound	RT01	RT02	RT03	RT04	RT05	RT06	RT07	EXPEC RT	RT WINDOW	AVG RT	STD DEV
25 2,4-Dichlorophenol	10.542	10.538	10.535	10.539	10.547	10.553	10.559	10.542	7.542-13.542	10.545	0.009
26 1,2,4-Trichlorobenzene	10.686	10.682	10.685	10.683	10.691	10.691	10.693	10.686	7.686-13.686	10.687	0.004
* 27 Naphthalene-d8	10.750	10.746	10.749	10.747	10.755	10.756	10.757	10.750	7.750-13.750	10.751	0.004
28 Naphthalene	10.782	10.778	10.781	10.779	10.787	10.788	10.794	10.782	7.782-13.782	10.784	0.006
29 4-Chloroaniline	10.910	10.901	10.904	10.907	10.910	10.916	10.922	10.910	7.910-13.910	10.910	0.007
30 Hexachlorobutadiene	11.081	11.083	11.080	11.084	11.086	11.087	11.088	11.081	8.081-14.081	11.084	0.003
31 4-Chloro-3-methylpheno	11.690	11.686	11.684	11.687	11.690	11.696	11.702	11.690	8.690-14.690	11.691	0.006
32 2-Methylnaphthalene	11.898	11.894	11.897	11.895	11.903	11.904	11.911	11.898	8.898-14.898	11.900	0.006
33 Hexachlorocyclopentadi	12.272	12.274	12.271	12.275	12.277	12.278	12.279	12.272	9.272-15.272	12.275	0.003
34 2,4,6-Trichlorophenol	12.406	12.397	12.399	12.403	12.405	12.411	12.413	12.406	9.406-15.406	12.405	0.006
35 2,4,5-Trichlorophenol	12.459	12.455	12.453	12.456	12.459	12.465	12.466	12.459	9.459-15.459	12.459	0.005
§ 36 2-Fluorobiphenyl	12.534	12.530	12.533	12.531	12.539	12.539	12.546	12.534	9.534-15.534	12.536	0.006
37 2-Chloronaphthalene	12.689	12.680	12.682	12.686	12.689	12.694	12.696	12.689	9.689-15.689	12.688	0.006
38 2-Nitroaniline	12.913	12.904	12.907	12.905	12.918	12.919	12.925	12.913	9.913-15.913	12.913	0.008
39 Dimethylphthalate	13.271	13.262	13.265	13.268	13.276	13.282	13.283	13.271	10.271-16.271	13.272	0.008
40 Acenaphthylene	13.373	13.369	13.371	13.370	13.378	13.378	13.385	13.373	10.373-16.373	13.375	0.006
41 2,6-Dinitrotoluene	13.373	13.369	13.371	13.370	13.378	13.383	13.390	13.373	10.373-16.373	13.376	0.008
* 42 Acenaphthene-d10	13.624	13.625	13.622	13.626	13.629	13.629	13.630	13.624	10.624-16.624	13.626	0.003
43 3-Nitroaniline	13.592	13.582	13.580	13.583	13.597	13.602	13.609	13.592	10.592-16.592	13.592	0.011
44 Acenaphthene	13.677	13.673	13.670	13.674	13.677	13.682	13.689	13.677	10.677-16.677	13.678	0.006
45 2,4-Dinitrophenol	13.757	13.748	13.751	13.749	13.762	13.773	13.780	13.757	10.757-16.757	13.760	0.013
46 Dibenzofuran	13.939	13.929	13.932	13.930	13.938	13.944	13.951	13.939	10.939-16.939	13.938	0.008
47 4-Nitrophenol	13.853	13.844	13.847	13.850	13.858	13.869	13.876	13.853	10.853-16.853	13.857	0.012
48 2,4-Dinitrotoluene	14.008	13.999	13.996	14.000	14.013	14.019	14.026	14.008	11.008-17.008	14.009	0.011

ARI Labs, Inc.
RETENTION TIME SUMMARY REPORT

Method File: \\target\share\chem3\nt6.i\20220516.b\SW84620220516.m

Batch File: \\target\share\chem3\nt6.i\20220516.b

Inst ID: nt6.i

Compound	RT01	RT02	RT03	RT04	RT05	RT06	RT07	EXPEC RT	RT WINDOW	AVG RT	STD DEV
----- ----- ----- ----- ----- ----- ----- ----- ----- ----- ----- -----											
49 Fluorene	14.500	14.496	14.493	14.496	14.499	14.505	14.512	14.500	11.500-17.500	14.500	0.006
50 Diethylphthalate	14.425	14.415	14.413	14.422	14.430	14.436	14.442	14.425	11.425-17.425	14.426	0.011
51 4-Chlorophenyl-phenyle	14.505	14.501	14.498	14.502	14.505	14.510	14.512	14.505	11.505-17.505	14.505	0.005
52 4-Nitroaniline	14.596	14.576	14.584	14.587	14.606	14.617	14.629	14.596	11.596-17.596	14.599	0.019
53 4,6-Dinitro-2-methylph	14.665	14.650	14.659	14.662	14.675	14.681	14.693	14.665	11.665-17.665	14.669	0.015
54 N-Nitrosodiphenylamine	14.713	14.704	14.701	14.705	14.713	14.724	14.731	14.713	11.713-17.713	14.713	0.011
\$ 55 2,4,6-Tribromophenol	14.922	14.912	14.915	14.918	14.926	14.932	14.934	14.922	11.922-17.922	14.923	0.008
----- ----- ----- ----- ----- ----- ----- ----- ----- ----- ----- -----											
56 4-Bromophenyl-phenylet	15.295	15.291	15.289	15.292	15.295	15.301	15.302	15.295	12.295-18.295	15.295	0.005
57 Hexachlorobenzene	15.530	15.526	15.524	15.527	15.530	15.536	15.537	15.530	12.530-18.530	15.530	0.005
58 Pentachlorophenol	15.819	15.809	15.812	15.816	15.824	15.824	15.831	15.819	12.819-18.819	15.819	0.008
* 59 Phenanthrene-d10	16.016	16.018	16.015	16.019	16.021	16.022	16.023	16.016	13.016-19.016	16.019	0.003
60 Phenanthrene	16.054	16.050	16.053	16.051	16.059	16.065	16.066	16.054	13.054-19.054	16.057	0.007
61 Anthracene	16.129	16.125	16.122	16.126	16.128	16.134	16.141	16.129	13.129-19.129	16.129	0.006
62 Carbazole	16.401	16.397	16.394	16.398	16.406	16.412	16.413	16.401	13.401-19.401	16.403	0.007
----- ----- ----- ----- ----- ----- ----- ----- ----- ----- ----- -----											
63 Di-n-butylphthalate	17.079	17.075	17.073	17.076	17.079	17.085	17.086	17.079	14.079-20.079	17.079	0.005
64 Fluoranthene	18.009	18.005	18.002	18.006	18.008	18.014	18.021	18.009	15.009-21.009	18.009	0.006
65 Pyrene	18.372	18.362	18.365	18.363	18.371	18.377	18.384	18.372	15.372-21.372	18.371	0.008
\$ 66 Terphenyl-d14	18.655	18.651	18.648	18.646	18.655	18.660	18.662	18.655	15.655-21.655	18.654	0.006
67 Butylbenzylphthalate	19.520	19.516	19.514	19.517	19.520	19.526	19.527	19.520	16.520-22.520	19.520	0.005
68 Benzo(a)anthracene	20.337	20.328	20.325	20.329	20.337	20.337	20.344	20.337	17.337-23.337	20.334	0.007
* 69 Chrysene-d12	20.364	20.355	20.357	20.356	20.364	20.369	20.371	20.364	17.364-23.364	20.362	0.007
----- ----- ----- ----- ----- ----- ----- ----- ----- ----- ----- -----											
70 3,3'-Dichlorobenzidine	20.327	20.323	20.320	20.324	20.326	20.332	20.333	20.327	17.327-23.327	20.326	0.005
71 Chrysene	20.401	20.392	20.395	20.398	20.406	20.412	20.419	20.401	17.401-23.401	20.403	0.010

ARI Labs, Inc.
RETENTION TIME SUMMARY REPORT

Method File: \\target\share\chem3\nt6.i\20220516.b\SW84620220516.m

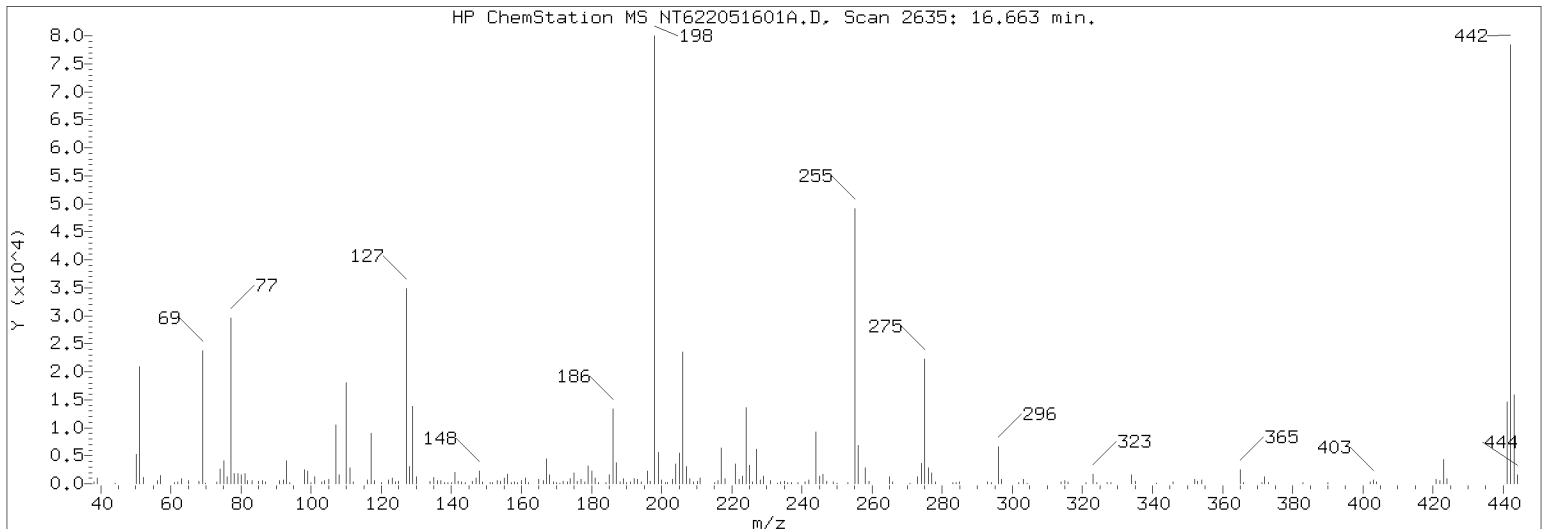
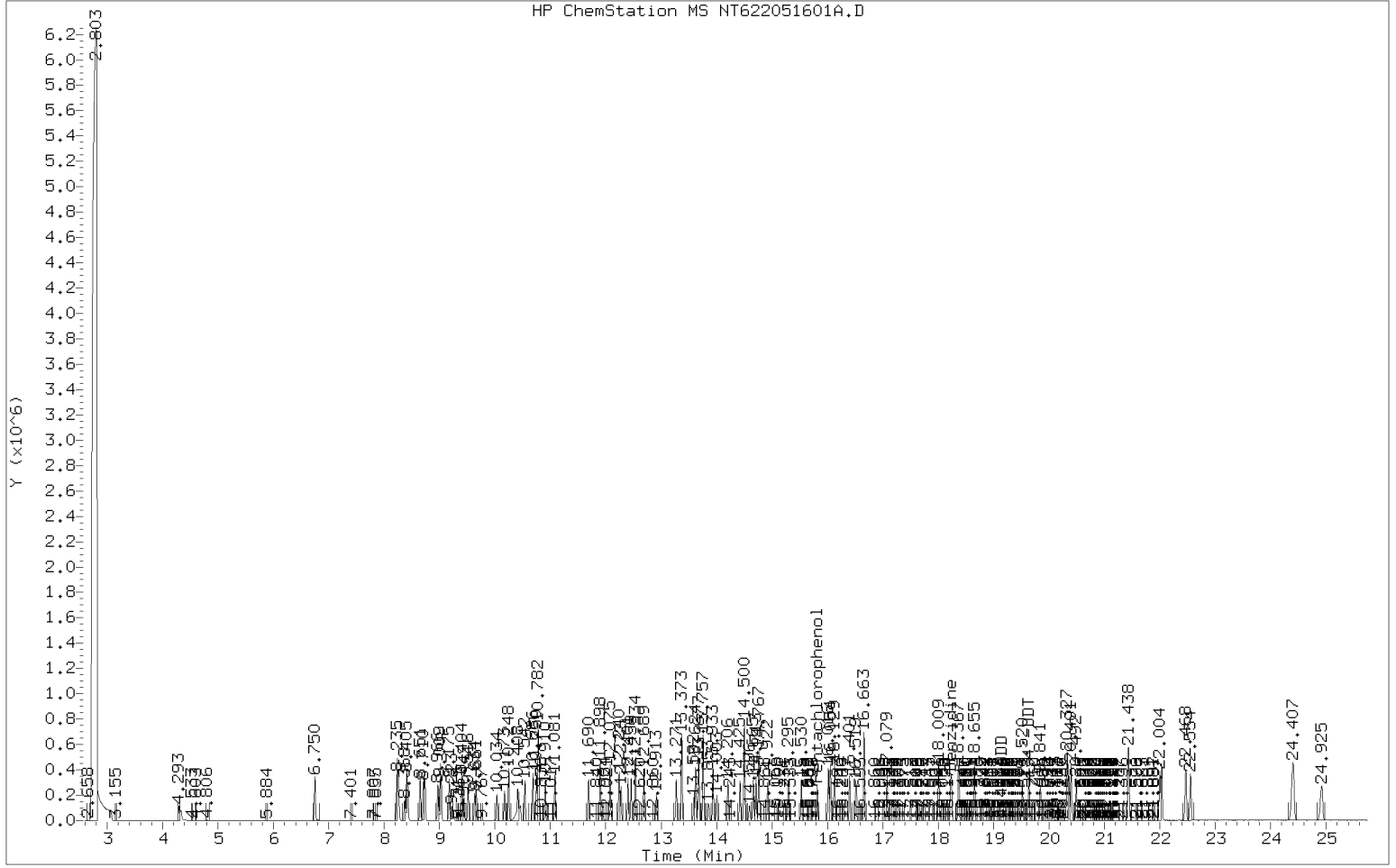
Batch File: \\target\share\chem3\nt6.i\20220516.b

Inst ID: nt6.i

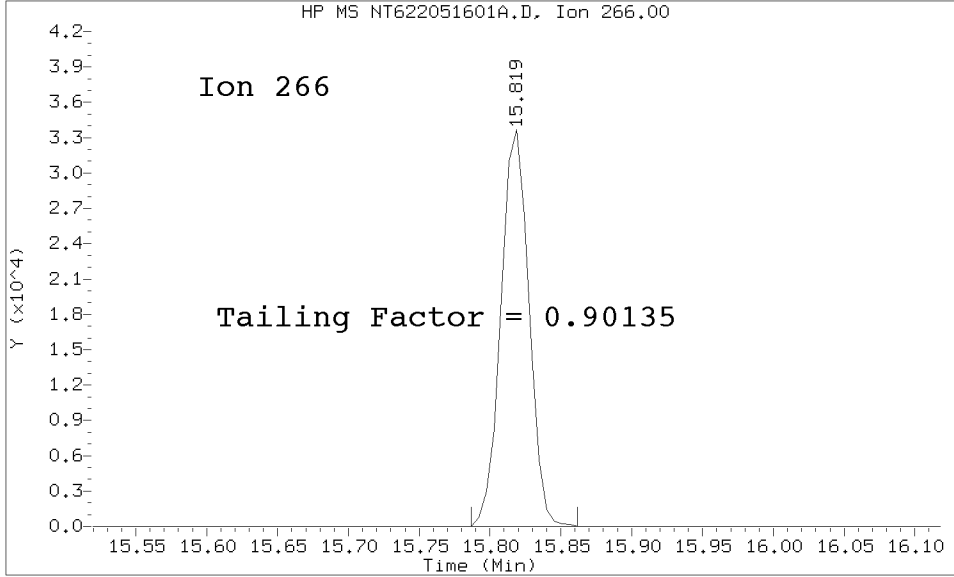
Compound	RT01	RT02	RT03	RT04	RT05	RT06	RT07	EXPEC RT	RT WINDOW	AVG RT	STD DEV
72 bis(2-Ethylhexyl)phtha	20.492	20.494	20.491	20.489	20.492	20.492	20.499	20.492	17.492-23.492	20.493	0.003
* 134 Di-n-octylphthalate-d4	21.432	21.428	21.426	21.429	21.432	21.432	21.439	21.432	18.432-24.432	21.431	0.004
73 Di-n-octylphthalate	21.438	21.434	21.436	21.435	21.443	21.443	21.444	21.438	18.438-24.438	21.439	0.004
74 Benzo(b)fluoranthene	22.004	21.994	21.992	21.995	22.003	22.009	22.021	22.004	19.004-25.004	22.003	0.010
75 Benzo(k)fluoranthene	22.036	22.026	22.024	22.027	22.041	22.052	22.059	22.036	19.036-25.036	22.038	0.013
76 Benzo(a)pyrene	22.468	22.459	22.462	22.460	22.473	22.479	22.491	22.468	19.468-25.468	22.470	0.012
* 77 Perylene-d12	22.554	22.550	22.553	22.551	22.554	22.559	22.561	22.554	19.554-25.554	22.554	0.004
78 Indeno(1,2,3-cd)pyrene	24.391	24.371	24.374	24.377	24.396	24.418	24.435	24.391	21.391-27.391	24.395	0.024
79 Dibenzo(a,h)anthracene	24.413	24.393	24.395	24.399	24.423	24.445	24.462	24.413	21.413-27.413	24.418	0.027
80 Benzo(g,h,i)perylene	24.925	24.895	24.897	24.901	24.936	24.957	24.980	24.925	21.925-27.925	24.927	0.033
90 N-Nitrosodimethylamine	4.336	4.348	4.340	4.338	4.346	4.352	4.358	4.336	1.336-7.336	4.345	0.008
91 Aniline	8.261	8.263	8.260	8.258	8.266	8.272	8.279	8.261	5.261-11.261	8.266	0.007
93 Benzidine	18.244	18.234	18.237	18.235	18.243	18.249	18.256	18.244	15.244-21.244	18.243	0.008
103 Pyridine	4.298	4.337	4.318	4.306	4.303	4.298	4.305	4.298	1.298-7.298	4.309	0.014
187 Total Benzofluoranthen	22.036	21.994	21.992	22.027	22.041	22.052	22.059	22.036	19.036-25.036	22.029	0.026

DFTPP TAILING FACTOR AND BREAKDOWN GRAPHIC REPORT

Datafile Analyzed: /20220516.b/tune.b/NT622051601A.D/NT622051601A.D
 Method Used: \20220516.b\tune.b\DFTPP.m Inst: nt6
 Injection Date: 16-MAY-2022 17:11 Operator: JZ
 Sample Info: SKE0212-TUN1 DFTPP220516
 Report Date: 05/16/2022 23:19



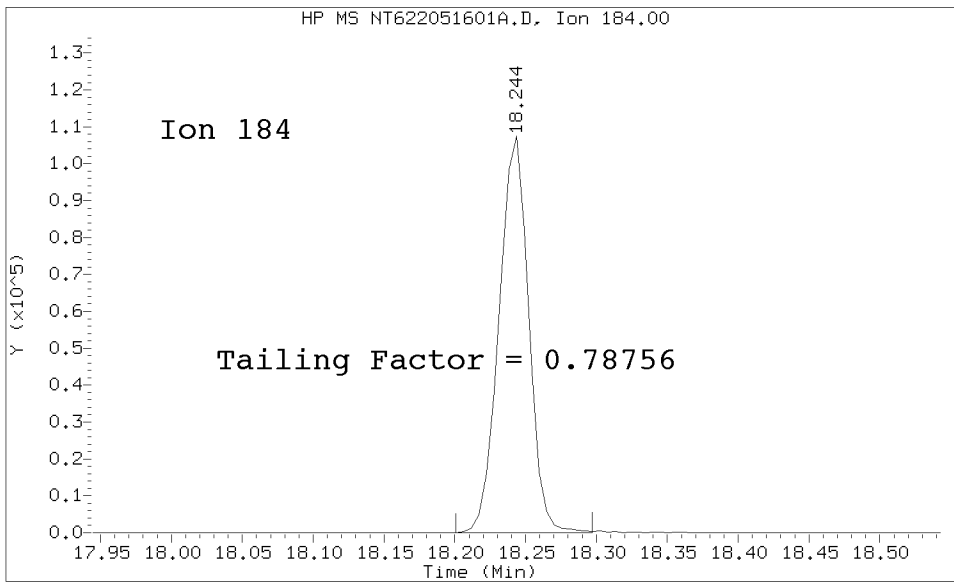
Datafile Analyzed: /20220516.b/tune.b/NT622051601A.D/NT622051601A.D
Method Used: \20220516.b\tune.b\DFTPP.m\sw846ddt.m Inst: nt6
Injection Date: 16-MAY-2022 17:11 Operator: JZ
Sample Info: IC25220516,
Report Date: 05/16/2022 23:19



Pentachlorophenol

=====
Exp. RT = 15.819
Found RT = 15.819

Tail Factor = 0.901 Maximum Allowed = 2.0



Benzidine

=====
Exp. RT = 18.244
Found RT = 18.244

Tail Factor = 0.788 Maximum Allowed = 2.0

8270 TAILING FACTOR/BREAKDOWN SUMMARY RESULTS

TAILING ANALYSIS SUMMARY

Compound	Tail Factor	Max Allowed	Test
Pentachlorophenol	0.9013524	2.000	PASS
Benzidine	0.7875611	2.000	PASS

DDT DEGRADATION BREAKDOWN ANALYSIS SUMMARY

Compound	Response	%Breakdown	Max Allowed	Test
4,4-DDT	90187			N/A
4,4-DDE	0	0.0	20.0	PASS
4,4-DDD	1799	2.0	20.0	PASS
4,4-DDD + DDE	1799	2.0	20.0	PASS

Tuning Sample, /nt6.i/20220516.b/tune.b/NT622051601A.D, *** PASSED ***

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
198	Base Peak, 100% relative abundance	100.00
51	10.00 - 80.00% of mass 198	26.29
68	Less than 2.00% of mass 69	0.42 (1.40)
69	Mass 69 relative abundance	30.07
70	Less than 2.00% of mass 69	0.17 (0.56)
127	10.00 - 80.00% of mass 198	45.53
197	Less than 2.00% of mass 198	0.23
199	5.00 - 9.00% of mass 198	6.73
275	10.00 - 60.00% of mass 198	27.21
365	Greater than 1.00% of mass 198	3.35
441	0.01 - 24.00% of mass 442	17.96 (17.85)
442	50.00 - 200.00% of mass 198	100.63
443	15.00 - 24.00% of mass 442	20.30 (20.18)

Data File: NT622051601A.D
 Spectrum: Avg. Scans 2634-2636 (16.66), Background Scan 2626
 Location of Maximum: 442.00
 Number of points: 229

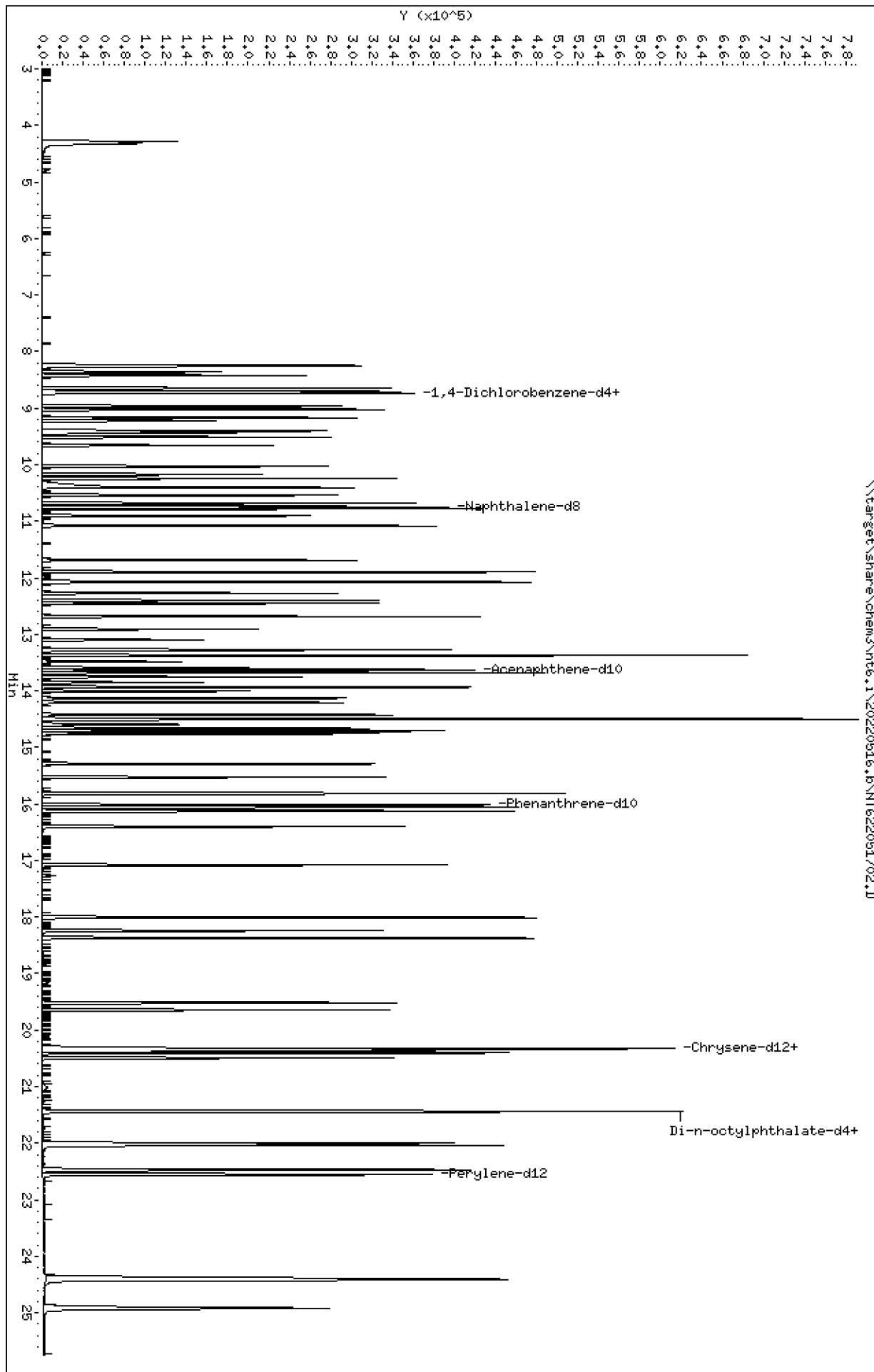
m/z	Y	m/z	Y	m/z	Y	m/z	Y
38.00	247	128.00	2783	192.00	910	265.00	1181
39.00	1148	129.00	12811	193.00	1013	266.00	103
44.00	113	130.00	1217	194.00	259	271.00	56
49.00	60	131.00	141	195.00	60	273.00	1126
50.00	4820	134.00	423	196.00	1996	274.00	3454
51.00	18744	135.00	1066	197.00	164	275.00	19400
52.00	963	136.00	434	198.00	71296	276.00	2590
56.00	615	137.00	545	199.00	4801	277.00	1618
57.00	1434	138.00	74	200.00	418	278.00	338
61.00	269	139.00	109	201.00	447	283.00	265
62.00	329	140.00	224	203.00	705	284.00	61
63.00	817	141.00	1665	204.00	3001	285.00	336
65.00	429	142.00	603	205.00	4932	293.00	492
68.00	300	143.00	365	206.00	21200	294.00	63
69.00	21440	144.00	64	207.00	2944	296.00	5501
70.00	121	146.00	339	208.00	832	297.00	738
73.00	233	147.00	958	209.00	250	302.00	60
74.00	2368	148.00	1991	210.00	335	303.00	817
75.00	3882	149.00	399	211.00	947	304.00	106
76.00	1273	150.00	60	212.00	60	314.00	249
77.00	26336	151.00	243	215.00	237	315.00	583
78.00	1453	152.00	69	216.00	505	316.00	315
79.00	1748	153.00	608	217.00	5521	321.00	208
80.00	1376	154.00	423	218.00	678	323.00	1660
81.00	1863	155.00	1011	220.00	53	324.00	286
82.00	476	156.00	1634	221.00	3542	327.00	297
83.00	459	157.00	171	222.00	464	328.00	249
85.00	367	158.00	385	223.00	1163	332.00	61
86.00	544	159.00	301	224.00	11755	333.00	114
87.00	337	160.00	544	225.00	3008	334.00	1287
91.00	467	161.00	858	226.00	133	335.00	338
92.00	578	162.00	167	227.00	5356	341.00	207
93.00	3454	165.00	721	228.00	716	346.00	311
94.00	137	166.00	605	229.00	1043	352.00	613
96.00	142	167.00	3611	231.00	383	353.00	383
98.00	2471	168.00	1545	232.00	53	354.00	584
99.00	1824	169.00	309	233.00	57	365.00	2389
100.00	134	170.00	113	234.00	283	366.00	303
101.00	1189	171.00	133	235.00	348	371.00	198
103.00	358	172.00	379	236.00	298	372.00	1084
104.00	708	173.00	399	237.00	256	373.00	237
105.00	660	174.00	892	239.00	225	383.00	257
107.00	9219	175.00	1674	241.00	284	390.00	121
108.00	1373	176.00	454	242.00	545	401.00	53
109.00	66	177.00	660	243.00	184	402.00	400
110.00	16178	178.00	278	244.00	8387	403.00	560
111.00	2434	179.00	2874	245.00	1242	404.00	274
112.00	321	180.00	1899	246.00	1826	421.00	582
113.00	57	181.00	986	247.00	338	422.00	652

116.00	566	182.00	137	248.00	54	423.00	3923
117.00	8142	184.00	166	249.00	373	424.00	785
118.00	581	185.00	1494	250.00	52	441.00	12807
120.00	71	186.00	11703	253.00	137	442.00	71744
122.00	639	187.00	3421	255.00	43824	443.00	14476
123.00	960	188.00	304	256.00	6381	444.00	1454
124.00	428	189.00	711	257.00	309		
125.00	439	190.00	69	258.00	2741		
127.00	32464	191.00	289	259.00	449		

Data File: \\target\share\chem3\nt6.1\20220516.b\N1622051702.D
Date: 17-May-2022 12:39
Client ID:
Sample Info: SKE0212-SCV1
Volume Injected (uL): 1.0
Column phase: ZB-5msi

Instrument: nt6.1
Operator: JZ
Column diameter: 0.32

\\target\share\chem3\nt6.1\20220516.b\N1622051702.D



ARI Labs, Inc.

Semivolatile Report SW846 Method 8270D

Data file : \\target\share\chem3\nt6.i\20220516.b\NT622051702.D
 Lab Smp Id: SKE0212-SCV1
 Inj Date : 17-MAY-2022 12:39
 Operator : JZ Inst ID: nt6.i
 Smp Info : SKE0212-SCV1
 Misc Info : 22-
 Comment : 1ul Injection
 Method : \\target\share\chem3\nt6.i\20220516.b\SW84620220516.m
 Meth Date : 17-May-2022 13:05 jianqing Quant Type: ISTD
 Cal Date : 16-MAY-2022 18:52 Cal File: NT622051604.D
 Als bottle: 2 QC Sample: LCS
 Dil Factor: 1.00000
 Integrator: HP RTE Compound Sublist: ICV.sub
 Target Version: 4.14
 Processing Host: JIANQING-202105

Concentration Formula: Amt * DF * Vt/Vo * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vt	500.000	Volume of final extract (uL)
Vo	500.000	Volume of sample extracted (mL)
Cpnd Variable		Local Compound Variable

Compounds	QUANT SIG	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS	
						ON-COLUMN (ug/mL)	FINAL (ug/L)
3 Phenol	94	8.240	8.250	(0.947)	132250	23.3708	23.37
4 Bis(2-Chloroethyl)ether	93	8.362	8.368	(0.961)	92614	27.1217	27.12
6 2-Chlorophenol	128	8.421	8.426	(0.967)	105289	22.7881	22.79
7 1,3-Dichlorobenzene	146	8.646	8.651	(0.993)	118625	24.7114	24.71
* 8 1,4-Dichlorobenzene-d4	152	8.704	8.709	(1.000)	78743	20.0000	
9 1,4-Dichlorobenzene	146	8.731	8.736	(1.003)	119878	25.6001	25.60
11 Benzyl alcohol	108	8.966	8.966	(1.030)	67360	25.4868	25.49
12 1,2-Dichlorobenzene	146	9.025	9.030	(1.037)	110097	24.7613	24.76
13 2-Methylphenol	108	9.169	9.174	(1.053)	88639	23.1271	23.13
14 2,2'-oxybis(1-Chloropropane)	45	9.222	9.222	(1.060)	75291	28.7192	28.72
15 4-Methylphenol	108	9.404	9.404	(1.080)	92693	22.6736	22.67
16 N-Nitroso-di-n-propylamine	70	9.436	9.441	(1.084)	62621	24.4606	24.46
17 Hexachloroethane	117	9.511	9.516	(1.093)	47310	25.0523	25.05
19 Nitrobenzene	77	9.660	9.660	(0.899)	98500	25.4579	25.46
20 Isophorone	82	10.029	10.034	(0.933)	170367	34.7325	34.73
21 2-Nitrophenol	139	10.173	10.173	(0.946)	56975	23.7990	23.80
22 2,4-Dimethylphenol	107	10.243	10.248	(0.953)	96910	21.5306	21.53
23 Bis(2-Chloroethoxy)methane	93	10.403	10.408	(0.968)	101564	29.0079	29.01
24 Benzoic acid	105	10.403	10.461	(0.968)	63982	22.2733	22.27
25 2,4-Dichlorophenol	162	10.542	10.541	(0.981)	84571	23.0596	23.06
26 1,2,4-Trichlorobenzene	180	10.686	10.686	(0.994)	101833	24.3683	24.37
* 27 Naphthalene-d8	136	10.750	10.750	(1.000)	265327	20.0000	

Compounds	QUANT SIG					CONCENTRATIONS	
	MASS	RT	EXP RT	REL RT	RESPONSE	ON-COLUMN (ug/mL)	FINAL (ug/L)
28 Naphthalene	128	10.782	10.782	(1.003)	274853	24.6459	24.65
29 4-Chloroaniline	127	10.905	10.910	(1.014)	103579	22.5983	22.60
30 Hexachlorobutadiene	225	11.081	11.081	(1.031)	67351	24.9799	24.98
31 4-Chloro-3-methylphenol	107	11.685	11.690	(1.087)	85820	23.2333	23.23
32 2-Methylnaphthalene	141	11.898	11.898	(1.107)	156330	24.5490	24.55
33 Hexachlorocyclopentadiene	237	12.272	12.272	(0.900)	70024	25.0388	25.04
34 2,4,6-Trichlorophenol	196	12.400	12.405	(0.910)	67694	23.4453	23.45
35 2,4,5-Trichlorophenol	196	12.454	12.459	(0.914)	72670	23.6353	23.64
37 2-Chloronaphthalene	162	12.683	12.688	(0.931)	184108	24.5865	24.59
38 2-Nitroaniline	65	12.908	12.913	(0.947)	46209	24.4113	24.41
39 Dimethylphthalate	163	13.271	13.271	(0.974)	204613	24.9692	24.97
40 Acenaphthylene	152	13.372	13.372	(0.981)	296941	24.4572	24.46
41 2,6-Dinitrotoluene	165	13.372	13.372	(0.981)	48513	25.9702	25.97
* 42 Acenaphthene-d10	164	13.629	13.623	(1.000)	154616	20.0000	
43 3-Nitroaniline	138	13.591	13.591	(0.997)	47182	25.8647	25.86
44 Acenaphthene	153	13.677	13.677	(1.004)	173806	24.1449	24.14
45 2,4-Dinitrophenol	184	13.757	13.757	(1.009)	58271	51.1473	51.15
46 Dibenzofuran	168	13.939	13.938	(1.023)	263210	25.3013	25.30
47 4-Nitrophenol	109	13.853	13.853	(1.016)	32165	24.3965	24.40
48 2,4-Dinitrotoluene	165	14.008	14.008	(1.028)	61875	25.6652	25.67
49 Fluorene	166	14.499	14.499	(1.064)	203057	24.4005	24.40
50 Diethylphthalate	149	14.425	14.424	(1.058)	206605	26.1014	26.10
51 4-Chlorophenyl-phenylether	204	14.505	14.504	(1.064)	117904	25.2475	25.25
52 4-Nitroaniline	138	14.596	14.595	(1.071)	41071	24.8962	24.90
53 4,6-Dinitro-2-methylphenol	198	14.665	14.665	(0.916)	81088	53.4614	53.46
54 N-Nitrosodiphenylamine	169	14.708	14.713	(0.918)	147244	24.5229	24.52
56 4-Bromophenyl-phenylether	248	15.295	15.295	(0.955)	65927	25.3362	25.34
57 Hexachlorobenzene	284	15.530	15.530	(0.970)	69479	24.5349	24.53
58 Pentachlorophenol	266	15.819	15.818	(0.988)	87386	46.1932	46.19
* 59 Phenanthrene-d10	188	16.016	16.016	(1.000)	277010	20.0000	
60 Phenanthrene	178	16.059	16.053	(1.003)	277742	24.3243	24.32
61 Anthracene	178	16.128	16.128	(1.007)	278521	24.3856	24.39
62 Carbazole	167	16.401	16.400	(1.024)	227640	23.1864	23.19
63 Di-n-butylphthalate	149	17.079	17.079	(1.066)	317988	25.8648	25.86
64 Fluoranthene	202	18.008	18.008	(1.124)	321810	24.9368	24.94
65 Pyrene	202	18.372	18.371	(0.902)	324542	24.2952	24.30
67 Butylbenzylphthalate	149	19.520	19.520	(0.959)	135550	25.9190	25.92
68 Benzo(a)anthracene	228	20.332	20.337	(0.998)	282228	23.9237	23.92
* 69 Chrysene-d12	240	20.364	20.364	(1.000)	212766	20.0000	
70 3,3'-Dichlorobenzidine	252	20.326	20.326	(0.998)	94354	26.7032	26.70
71 Chrysene	228	20.401	20.401	(1.002)	254630	23.4955	23.50
72 bis(2-Ethylhexyl)phthalate	149	20.492	20.492	(0.956)	176532	25.8894	25.89
* 134 Di-n-octylphthalate-d4	153	21.432	21.432	(1.000)	294742	20.0000	
73 Di-n-octylphthalate	149	21.443	21.437	(1.000)	314040	25.5294	25.53
74 Benzo(b)fluoranthene	252	22.004	22.003	(0.976)	291059	25.0250	25.03
75 Benzo(k)fluoranthene	252	22.036	22.035	(0.977)	285742	24.5191	24.52
187 Total Benzofluoranthenes	252	22.036	22.035	(0.977)	552757	49.9421	49.94
76 Benzo(a)pyrene	252	22.468	22.468	(0.996)	279678	25.6245	25.62
* 77 Perylene-d12	264	22.554	22.553	(1.000)	235601	20.0000	
78 Indeno(1,2,3-cd)pyrene	276	24.391	24.391	(1.081)	380517	23.8517	23.85
79 Dibenzo(a,h)anthracene	278	24.418	24.412	(1.083)	322512	24.1667	24.17
80 Benzo(g,h,i)perylene	276	24.920	24.925	(1.105)	324816	23.7382	23.74
90 N-Nitrosodimethylamine	74	4.325	4.335	(0.497)	57797	29.0876	29.09
91 Aniline	93	8.261	8.261	(0.949)	156829	26.9505	26.95

Compounds	QUANT SIG	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS		
						ON-COLUMN (ug/mL)	FINAL (ug/L)	
105 1-methylnaphthalene	141	12.075	12.074	(1.123)	156069	25.9664	25.97	
111 Azobenzene (1,2-DP-Hydrazine)	77	14.761	14.761	(0.922)	172739	24.4930	24.49	
93 Benzidine	184	18.243	18.243	(0.896)	206124	57.4619	57.46	
103 Pyridine	79	4.287	4.298	(0.493)	95963	25.6591	25.66	
120 2,3,4,6-Tetrachlorophenol	232	14.206	14.205	(1.042)	56016	23.8292	23.83	
151 1,2,4,5-Tetrachlorobenzene	216	Compound Not Detected.						

ARI Labs, Inc.

INTERNAL STANDARD COMPOUNDS
 AREA AND RT SUMMARY

Instrument ID: nt6.i Calibration Date: 16-MAY-2022
 Lab File ID: NT622051702.D Calibration Time: 17:11
 Lab Smp Id: SKE0212-SCV1
 Analysis Type: SV Level: LOW
 Quant Type: ISTD Sample Type: WATER
 Operator: JZ
 Method File: \\target\share\chem3\nt6.i\20220516.b\SW84620220516.m
 Misc Info: 22-

Test Mode:
 Use Last Continuing Calibrator.

COMPOUND	STANDARD	AREA LIMIT		SAMPLE	%DIFF
		LOWER	UPPER		
8 1,4-Dichlorobenze	71723	35862	143446	78743	9.79
27 Naphthalene-d8	255203	127602	510406	265327	3.97
42 Acenaphthene-d10	144799	72400	289598	154616	6.78
59 Phenanthrene-d10	257295	128648	514590	277010	7.66
69 Chrysene-d12	195882	97941	391764	212766	8.62
134 Di-n-octylphthala	272032	136016	544064	294742	8.35
77 Perylene-d12	222542	111271	445084	235601	5.87

COMPOUND	STANDARD	RT LIMIT		SAMPLE	%DIFF
		LOWER	UPPER		
8 1,4-Dichlorobenze	8.71	8.21	9.21	8.70	-0.06
27 Naphthalene-d8	10.75	10.25	11.25	10.75	0.00
42 Acenaphthene-d10	13.62	13.12	14.12	13.63	0.04
59 Phenanthrene-d10	16.02	15.52	16.52	16.02	0.00
69 Chrysene-d12	20.36	19.86	20.86	20.36	0.00
134 Di-n-octylphthala	21.43	20.93	21.93	21.43	0.00
77 Perylene-d12	22.55	22.05	23.05	22.55	0.00

AREA UPPER LIMIT = +100% of internal standard area.
 AREA LOWER LIMIT = - 50% of internal standard area.
 RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
 RT LOWER LIMIT = - 0.50 minutes of internal standard RT.

REVIEW SUMMARY FOR FILE - NT622051702.D

Lab ID: SKE0212-SCV1

nt6.i, SW84620220516.m, 17-MAY-2022 12:39

RT CO-ELUTION COMPOUNDS

13.373 Acenaphthylene and 2,6-Dinitrotoluene

Quant Method: ICAL

No RRT check performed

On Column LOD for nt6.i, SW84620220516.m, ICV.sub = 0.0000

Exception: Total Benzofluoranthenes 0.5000

* Only compounds listed in the work order have been verified by the analyst *

Data File: \\target\share\chem3\nt6.i\20220516.b\N1622051601.D

Date: 16-May-2022 17:11

Client ID:

Sample Info: IC25220516,

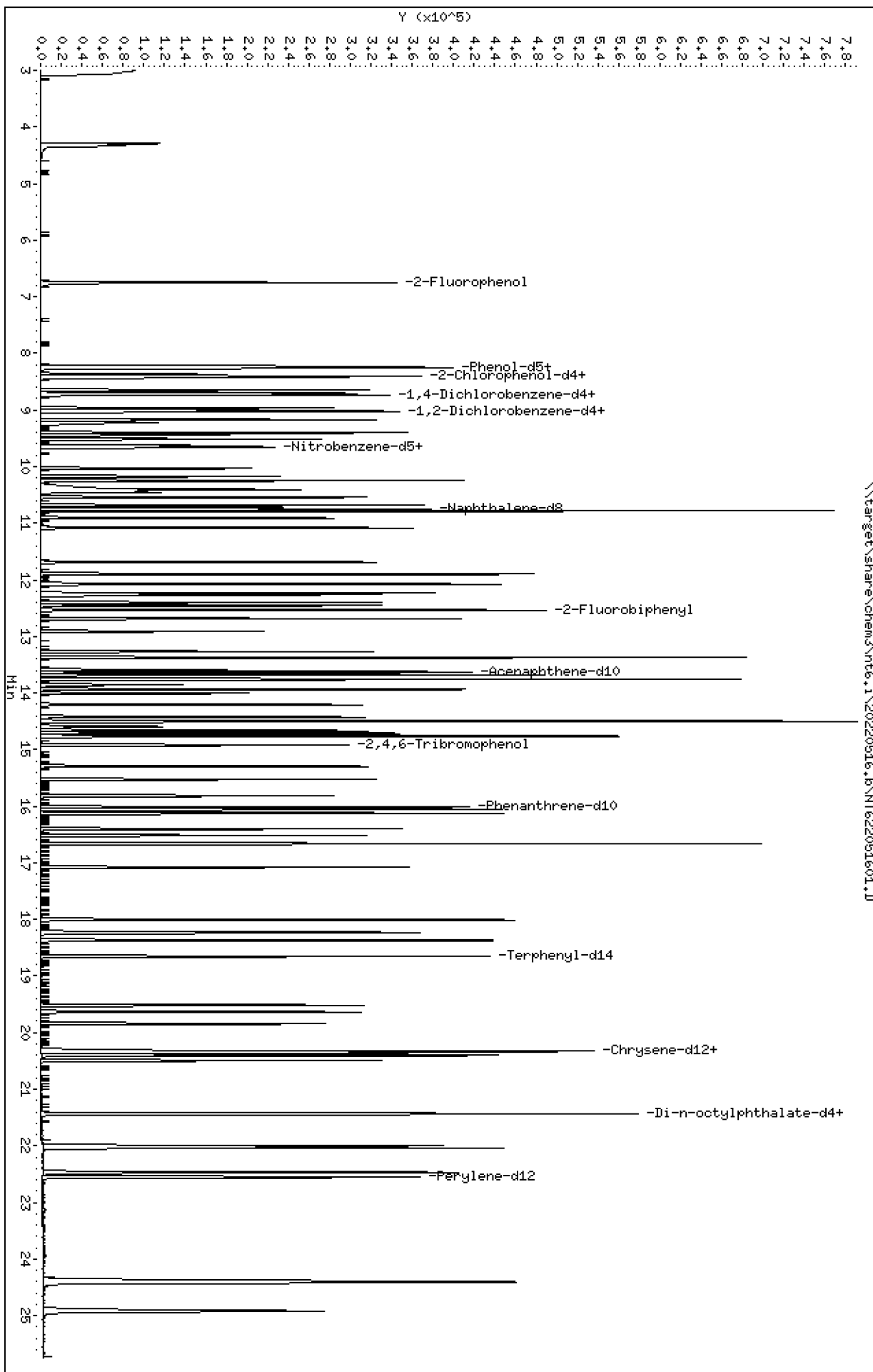
Column phase: ZB-5msi

Instrument: nt6.i

Operator: JZ

Column diameter: 0.32

Page 1



ARI Labs, Inc.

Semivolatile Report SW846 Method 8270D

Data file : \\target\share\chem3\nt6.i\20220516.b\NT622051601.D
 Lab Smp Id: SKE0212-CAL4
 Inj Date : 16-MAY-2022 17:11
 Operator : JZ Inst ID: nt6.i
 Smp Info : IC25220516,
 Misc Info : 22-
 Comment : lul Injection
 Method : \\target\share\chem3\nt6.i\20220516.b\SW84620220516.m
 Meth Date : 16-May-2022 23:15 jianqing Quant Type: ISTD
 Cal Date : 16-MAY-2022 18:52 Cal File: NT622051604.D
 Als bottle: 1 Calibration Sample, Level: 4
 Dil Factor: 1.00000
 Integrator: HP RTE Compound Sublist: ICALA.sub
 Target Version: 4.14
 Processing Host: JIANQING-202105

Compounds	QUANT	SIG	RT	EXP RT	REL RT	RESPONSE	AMOUNTS	
							CAL-AMT	ON-COL
	MASS						(ug/mL)	(ug/mL)
\$ 1 2-Fluorophenol	112		6.749	6.748	(0.775)	150282	37.5000	38.77
\$ 2 Phenol-d5	99		8.229	8.217	(0.945)	171828	37.5000	38.75
3 Phenol	94		8.250	8.239	(0.947)	131809	25.0000	25.57
\$ 5 2-Chlorophenol-d4	132		8.405	8.398	(0.965)	156393	37.5000	39.02
4 Bis(2-Chloroethyl)ether	93		8.368	8.361	(0.961)	81975	25.0000	26.36
6 2-Chlorophenol	128		8.426	8.426	(0.968)	109401	25.0000	26.00
7 1,3-Dichlorobenzene	146		8.651	8.650	(0.993)	112996	25.0000	25.84
* 8 1,4-Dichlorobenzene-d4	152		8.709	8.709	(1.000)	71723	20.0000	
9 1,4-Dichlorobenzene	146		8.736	8.730	(1.003)	109844	25.0000	25.75
\$ 10 1,2-Dichlorobenzene-d4	152		9.008	9.008	(1.034)	74982	25.0000	26.14
12 1,2-Dichlorobenzene	146		9.030	9.029	(1.037)	105421	25.0000	26.03
11 Benzyl alcohol	108		8.966	8.960	(1.029)	65039	25.0000	27.02
14 2,2'-oxybis(1-Chloropropane)	45		9.222	9.216	(1.059)	62324	25.0000	26.10
13 2-Methylphenol	108		9.174	9.173	(1.053)	90389	25.0000	25.89
17 Hexachloroethane	117		9.516	9.515	(1.093)	44862	25.0000	26.08
16 N-Nitroso-di-n-propylamine	70		9.441	9.435	(1.084)	60453	25.0000	25.92
15 4-Methylphenol	108		9.404	9.398	(1.080)	97230	25.0000	26.11
\$ 18 Nitrobenzene-d5	82		9.633	9.627	(0.896)	99013	25.0000	25.27
19 Nitrobenzene	77		9.660	9.654	(0.899)	94522	25.0000	25.40
20 Isophorone	82		10.034	10.028	(0.933)	122639	25.0000	25.99
21 2-Nitrophenol	139		10.173	10.172	(0.946)	59235	25.0000	25.72
22 2,4-Dimethylphenol	107		10.248	10.242	(0.953)	111236	25.0000	25.69
23 Bis(2-Chloroethoxy)methane	93		10.408	10.402	(0.968)	84931	25.0000	25.22
24 Benzoic acid	105		10.461	10.370	(0.973)	147655	50.0000	53.44
25 2,4-Dichlorophenol	162		10.541	10.535	(0.981)	91199	25.0000	25.85
26 1,2,4-Trichlorobenzene	180		10.686	10.685	(0.994)	101122	25.0000	25.16
* 27 Naphthalene-d8	136		10.750	10.749	(1.000)	255203	20.0000	
28 Naphthalene	128		10.782	10.781	(1.003)	269518	25.0000	25.13
29 4-Chloroaniline	127		10.910	10.904	(1.015)	113436	25.0000	25.73
30 Hexachlorobutadiene	225		11.081	11.080	(1.031)	66175	25.0000	25.52
31 4-Chloro-3-methylphenol	107		11.690	11.684	(1.087)	90374	25.0000	25.44
32 2-Methylnaphthalene	141		11.898	11.897	(1.107)	158929	25.0000	25.95
33 Hexachlorocyclopentadiene	237		12.272	12.271	(0.901)	70601	25.0000	26.96

Compounds	QUANT SIG					AMOUNTS	
	MASS	RT	EXP RT	REL RT	RESPONSE	CAL-AMT (ug/mL)	ON-COL (ug/mL)
34 2,4,6-Trichlorophenol	196	12.405	12.399	(0.911)	71808	25.0000	26.56
35 2,4,5-Trichlorophenol	196	12.459	12.453	(0.915)	74918	25.0000	26.02
\$ 36 2-Fluorobiphenyl	172	12.534	12.533	(0.920)	224789	25.0000	25.52
37 2-Chloronaphthalene	162	12.688	12.682	(0.931)	180010	25.0000	25.67
38 2-Nitroaniline	65	12.913	12.907	(0.948)	46498	25.0000	26.23
39 Dimethylphthalate	163	13.271	13.265	(0.974)	196191	25.0000	25.56
40 Acenaphthylene	152	13.372	13.371	(0.982)	291426	25.0000	25.63
41 2,6-Dinitrotoluene	165	13.372	13.371	(0.982)	45596	25.0000	26.06
* 42 Acenaphthene-d10	164	13.623	13.622	(1.000)	144799	20.0000	
43 3-Nitroaniline	138	13.591	13.580	(0.998)	43674	25.0000	25.56
44 Acenaphthene	153	13.677	13.670	(1.004)	172429	25.0000	25.58
45 2,4-Dinitrophenol	184	13.757	13.751	(1.010)	55288	50.0000	51.77
46 Dibenzofuran	168	13.938	13.932	(1.023)	257320	25.0000	26.41
47 4-Nitrophenol	109	13.853	13.847	(1.017)	33791	25.0000	27.37
48 2,4-Dinitrotoluene	165	14.008	13.996	(1.028)	59384	25.0000	26.30
50 Diethylphthalate	149	14.424	14.413	(1.059)	189558	25.0000	25.57
49 Fluorene	166	14.499	14.493	(1.064)	198453	25.0000	25.46
51 4-Chlorophenyl-phenylether	204	14.504	14.498	(1.065)	110792	25.0000	25.33
52 4-Nitroaniline	138	14.595	14.584	(1.071)	38460	25.0000	24.89
53 4,6-Dinitro-2-methylphenol	198	14.665	14.659	(0.916)	77803	50.0000	55.23
54 N-Nitrosodiphenylamine	169	14.713	14.701	(0.919)	141011	25.0000	25.28
\$ 55 2,4,6-Tribromophenol	330	14.921	14.915	(1.095)	48341	37.5000	39.24
56 4-Bromophenyl-phenylether	248	15.295	15.289	(0.955)	62019	25.0000	25.66
57 Hexachlorobenzene	284	15.530	15.524	(0.970)	67072	25.0000	25.50
58 Pentachlorophenol	266	15.818	15.812	(0.988)	46376	25.0000	26.39
* 59 Phenanthrene-d10	188	16.016	16.015	(1.000)	257295	20.0000	
60 Phenanthrene	178	16.053	16.053	(1.002)	268033	25.0000	25.27
61 Anthracene	178	16.128	16.122	(1.007)	269425	25.0000	25.40
62 Carbazole	167	16.400	16.393	(1.024)	224147	25.0000	24.58
63 Di-n-butylphthalate	149	17.079	17.073	(1.066)	290822	25.0000	25.47
64 Fluoranthene	202	18.008	18.002	(1.124)	305221	25.0000	25.46
65 Pyrene	202	18.371	18.365	(0.902)	307235	25.0000	24.98
\$ 66 Terphenyl-d14	244	18.654	18.648	(0.916)	239400	25.0000	25.71
67 Butylbenzylphthalate	149	19.520	19.514	(0.959)	124326	25.0000	25.82
68 Benzo(a)anthracene	228	20.337	20.325	(0.999)	268974	25.0000	24.77
* 69 Chrysene-d12	240	20.364	20.357	(1.000)	195882	20.0000	
70 3,3'-Dichlorobenzidine	252	20.326	20.320	(0.998)	73539	25.0000	22.61
71 Chrysene	228	20.401	20.395	(1.002)	249697	25.0000	25.03
72 bis(2-Ethylhexyl)phthalate	149	20.492	20.491	(0.956)	163422	25.0000	25.97
* 134 Di-n-octylphthalate-d4	153	21.432	21.426	(1.000)	272032	20.0000	
73 Di-n-octylphthalate	149	21.437	21.436	(1.000)	284604	25.0000	25.07
74 Benzo(b)fluoranthene	252	22.003	21.992	(0.976)	283729	25.0000	25.83
75 Benzo(k)fluoranthene	252	22.035	22.024	(0.977)	275358	25.0000	25.01
187 Total Benzofluoranthenes	252	22.035	21.992	(0.977)	534018	50.0000	51.08
76 Benzo(a)pyrene	252	22.468	22.462	(0.996)	264437	25.0000	25.65
* 77 Perylene-d12	264	22.553	22.553	(1.000)	222542	20.0000	
78 Indeno(1,2,3-cd)pyrene	276	24.391	24.374	(1.081)	370349	25.0000	24.58
79 Dibenzo(a,h)anthracene	278	24.412	24.395	(1.082)	313513	25.0000	24.87
80 Benzo(g,h,i)perylene	276	24.925	24.897	(1.105)	319479	25.0000	24.72
90 N-Nitrosodimethylamine	74	4.335	4.340	(0.498)	46142	25.0000	25.49
103 Pyridine	79	4.298	4.317	(0.493)	89426	25.0000	26.25
91 Aniline	93	8.261	8.260	(0.948)	139944	25.0000	26.40
105 1-methylnaphthalene	141	12.074	12.074	(1.123)	147650	25.0000	25.54
93 Benzidine	184	18.243	18.237	(0.896)	157211	50.0000	47.60

Compounds	QUANT SIG		AMOUNTS					
	MASS		RT	EXP RT	REL RT	RESPONSE	CAL-AMT (ug/mL)	ON-COL (ug/mL)
111 Azobenzene (1,2-DP-Hydrazine)	77		14.761	14.755	(0.922)	168676	25.0000	25.75
144 alpha-Terpineol	59		10.782	10.776	(1.003)	56905	25.0000	25.79
133 Butylatedhydroxytoluene	205		13.762	13.756	(1.010)	201776	25.0000	26.26
115 Tributyl Phosphate	99		14.766	14.760	(0.922)	191765	25.0000	25.95
116 Dibutyl Phenyl Phosphate	175		16.518	16.512	(1.031)	144795	25.0000	26.27
117 Butyl Diphenyl Phosphate	94		18.227	18.221	(0.895)	42552	25.0000	26.85
118 Triphenyl Phosphate	326		19.845	19.839	(0.975)	48710	25.0000	25.16
120 2,3,4,6-Tetrachlorophenol	232		14.205	14.205	(1.043)	57446	25.0000	26.09
151 1,2,4,5-Tetrachlorobenzene	216		12.240	12.239	(0.898)	101330	25.0000	25.50

ARI Labs, Inc.

INTERNAL STANDARD COMPOUNDS
 AREA AND RT SUMMARY

Instrument ID: nt6.i Calibration Date: 16-MAY-2022
 Lab File ID: NT622051601.D Calibration Time: 17:11
 Lab Smp Id: SKE0212-CAL4
 Analysis Type: SV Level:
 Quant Type: ISTD Sample Type:
 Operator: JZ
 Method File: \\target\share\chem3\nt6.i\20220516.b\SW84620220516.m
 Misc Info: 22-

Test Mode:
 Use Initial Calibration Level 4.

COMPOUND	STANDARD	AREA LIMIT		SAMPLE	%DIFF
		LOWER	UPPER		
8 1,4-Dichlorobenze	71723	35862	143446	71723	0.00
27 Naphthalene-d8	255203	127602	510406	255203	0.00
42 Acenaphthene-d10	144799	72400	289598	144799	0.00
59 Phenanthrene-d10	257295	128648	514590	257295	0.00
69 Chrysene-d12	195882	97941	391764	195882	0.00
134 Di-n-octylphthala	272032	136016	544064	272032	0.00
77 Perylene-d12	222542	111271	445084	222542	0.00

COMPOUND	STANDARD	RT LIMIT		SAMPLE	%DIFF
		LOWER	UPPER		
8 1,4-Dichlorobenze	8.71	8.21	9.21	8.71	0.00
27 Naphthalene-d8	10.75	10.25	11.25	10.75	0.00
42 Acenaphthene-d10	13.62	13.12	14.12	13.62	0.00
59 Phenanthrene-d10	16.02	15.52	16.52	16.02	0.00
69 Chrysene-d12	20.36	19.86	20.86	20.36	0.00
134 Di-n-octylphthala	21.43	20.93	21.93	21.43	0.00
77 Perylene-d12	22.55	22.05	23.05	22.55	0.00

AREA UPPER LIMIT = +100% of internal standard area.
 AREA LOWER LIMIT = - 50% of internal standard area.
 RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
 RT LOWER LIMIT = - 0.50 minutes of internal standard RT.

REVIEW SUMMARY FOR FILE - NT622051601.D

Lab ID: SKE0212-CAL4
nt6.i, SW84620220516.m, 16-MAY-2022 17:11

RT	CO-ELUTION COMPOUNDS
13.373	Acenaphthylene and 2,6-Dinitrotoluene

Quant Method: ICAL

No RRT check performed

On Column LOD for nt6.i, SW84620220516.m, ICALA.sub = 0.0100

* Only compounds listed in the work order have been verified by the analyst *

Data File: \\target\share\chem3\nt6.1\20220516.b\N1622051602.D

Date: 16-May-2022 17:45

Client ID:

Sample Info: ICB220516

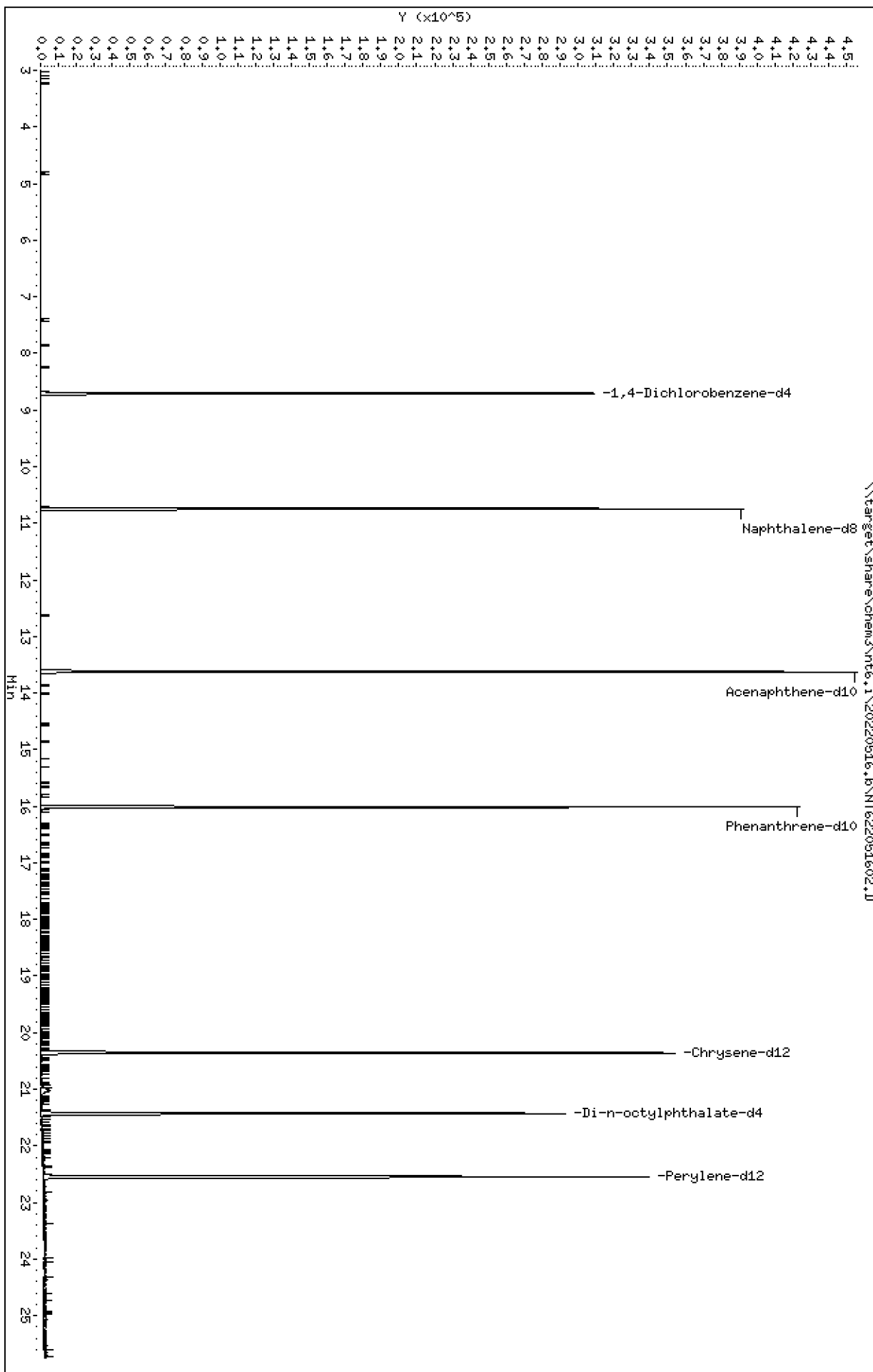
Column phase: ZB-5msi

Instrument: nt6.1

Operator: JZ

Column diameter: 0.32

Page 1



ARI Labs, Inc.

Semivolatile Report SW846 Method 8270D

Data file : \\target\share\chem3\nt6.i\20220516.b\NT622051602.D
 Lab Smp Id: SKE0212-ICB1
 Inj Date : 16-MAY-2022 17:45
 Operator : JZ Inst ID: nt6.i
 Smp Info : ICB220516
 Misc Info : 22-
 Comment : 1ul Injection
 Method : \\target\share\chem3\nt6.i\20220516.b\SW84620220516.m
 Meth Date : 17-May-2022 13:05 jianqing Quant Type: ISTD
 Cal Date : 16-MAY-2022 18:52 Cal File: NT622051604.D
 Als bottle: 2
 Dil Factor: 1.00000
 Integrator: HP RTE Compound Sublist: ICALA.sub
 Target Version: 4.14
 Processing Host: JIANQING-202105

Compounds	QUANT	SIG	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS	
							ON-COLUMN	FINAL
	MASS						(ug/mL)	(ug/mL)
=====	====		====	=====	=====	=====	=====	=====
\$ 1 2-Fluorophenol	112					Compound Not Detected.		
\$ 2 Phenol-d5	99					Compound Not Detected.		
3 Phenol	94					Compound Not Detected.		
\$ 5 2-Chlorophenol-d4	132					Compound Not Detected.		
4 Bis(2-Chloroethyl)ether	93					Compound Not Detected.		
6 2-Chlorophenol	128					Compound Not Detected.		
7 1,3-Dichlorobenzene	146					Compound Not Detected.		
* 8 1,4-Dichlorobenzene-d4	152		8.708	8.709	(1.000)	75058	20.0000	
9 1,4-Dichlorobenzene	146					Compound Not Detected.		
\$ 10 1,2-Dichlorobenzene-d4	152					Compound Not Detected.		
12 1,2-Dichlorobenzene	146					Compound Not Detected.		
11 Benzyl alcohol	108					Compound Not Detected.		
14 2,2'-oxybis(1-Chloropropane)	45					Compound Not Detected.		
13 2-Methylphenol	108					Compound Not Detected.		
17 Hexachloroethane	117					Compound Not Detected.		
16 N-Nitroso-di-n-propylamine	70					Compound Not Detected.		
15 4-Methylphenol	108					Compound Not Detected.		
\$ 18 Nitrobenzene-d5	82					Compound Not Detected.		
19 Nitrobenzene	77					Compound Not Detected.		
20 Isophorone	82					Compound Not Detected.		
21 2-Nitrophenol	139					Compound Not Detected.		
22 2,4-Dimethylphenol	107					Compound Not Detected.		
23 Bis(2-Chloroethoxy)methane	93					Compound Not Detected.		
24 Benzoic acid	105					Compound Not Detected.		
25 2,4-Dichlorophenol	162					Compound Not Detected.		
26 1,2,4-Trichlorobenzene	180					Compound Not Detected.		
* 27 Naphthalene-d8	136		10.748	10.750	(1.000)	256178	20.0000	
28 Naphthalene	128					Compound Not Detected.		
29 4-Chloroaniline	127					Compound Not Detected.		
30 Hexachlorobutadiene	225					Compound Not Detected.		
31 4-Chloro-3-methylphenol	107					Compound Not Detected.		
32 2-Methylnaphthalene	141					Compound Not Detected.		
33 Hexachlorocyclopentadiene	237					Compound Not Detected.		

Compounds	QUANT	SIG	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS	
							ON-COLUMN (ug/mL)	FINAL (ug/mL)
34 2,4,6-Trichlorophenol	196							
35 2,4,5-Trichlorophenol	196							
\$ 36 2-Fluorobiphenyl	172							
37 2-Chloronaphthalene	162							
38 2-Nitroaniline	65							
39 Dimethylphthalate	163							
40 Acenaphthylene	152							
41 2,6-Dinitrotoluene	165							
* 42 Acenaphthene-d10	164		13.622	13.623	(1.000)	146782	20.0000	
43 3-Nitroaniline	138							
44 Acenaphthene	153							
45 2,4-Dinitrophenol	184							
46 Dibenzofuran	168							
47 4-Nitrophenol	109							
48 2,4-Dinitrotoluene	165							
50 Diethylphthalate	149							
49 Fluorene	166							
51 4-Chlorophenyl-phenylether	204							
52 4-Nitroaniline	138							
53 4,6-Dinitro-2-methylphenol	198							
54 N-Nitrosodiphenylamine	169							
\$ 55 2,4,6-Tribromophenol	330							
56 4-Bromophenyl-phenylether	248							
57 Hexachlorobenzene	284							
58 Pentachlorophenol	266							
* 59 Phenanthrene-d10	188		16.015	16.016	(1.000)	256993	20.0000	
60 Phenanthrene	178							
61 Anthracene	178							
62 Carbazole	167							
63 Di-n-butylphthalate	149							
64 Fluoranthene	202							
65 Pyrene	202							
\$ 66 Terphenyl-d14	244							
67 Butylbenzylphthalate	149							
68 Benzo(a)anthracene	228							
* 69 Chrysene-d12	240		20.357	20.364	(1.000)	199514	20.0000	
70 3,3'-Dichlorobenzidine	252							
71 Chrysene	228							
72 bis(2-Ethylhexyl)phthalate	149							
* 134 Di-n-octylphthalate-d4	153		21.425	21.432	(1.000)	262864	20.0000	
73 Di-n-octylphthalate	149							
74 Benzo(b)fluoranthene	252							
75 Benzo(k)fluoranthene	252							
187 Total Benzofluoranthenes	252							
76 Benzo(a)pyrene	252							
* 77 Perylene-d12	264		22.547	22.553	(1.000)	212958	20.0000	
78 Indeno(1,2,3-cd)pyrene	276							
79 Dibenzo(a,h)anthracene	278							
80 Benzo(g,h,i)perylene	276							
90 N-Nitrosodimethylamine	74							
103 Pyridine	79							
91 Aniline	93							
105 1-methylnaphthalene	141							
93 Benzidine	184							

Compounds	QUANT SIG	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS	
						ON-COLUMN (ug/mL)	FINAL (ug/mL)
111 Azobenzene (1,2-DP-Hydrazine)	77				Compound Not Detected.		
144 alpha-Terpineol	59				Compound Not Detected.		
133 Butylatedhydroxytoluene	205				Compound Not Detected.		
115 Tributyl Phosphate	99				Compound Not Detected.		
116 Dibutyl Phenyl Phosphate	175				Compound Not Detected.		
117 Butyl Diphenyl Phosphate	94				Compound Not Detected.		
118 Triphenyl Phosphate	326				Compound Not Detected.		
120 2,3,4,6-Tetrachlorophenol	232				Compound Not Detected.		
151 1,2,4,5-Tetrachlorobenzene	216				Compound Not Detected.		

ARI Labs, Inc.

INTERNAL STANDARD COMPOUNDS
 AREA AND RT SUMMARY

Instrument ID: nt6.i Calibration Date: 16-MAY-2022
 Lab File ID: NT622051602.D Calibration Time: 17:11
 Lab Smp Id: SKE0212-ICB1
 Analysis Type: SV Level:
 Quant Type: ISTD Sample Type:
 Operator: JZ
 Method File: \\target\share\chem3\nt6.i\20220516.b\SW84620220516.m
 Misc Info: 22-

Test Mode:
 Use Last Continuing Calibrator.

COMPOUND	STANDARD	AREA LIMIT		SAMPLE	%DIFF
		LOWER	UPPER		
8 1,4-Dichlorobenze	71723	35862	143446	75058	4.65
27 Naphthalene-d8	255203	127602	510406	256178	0.38
42 Acenaphthene-d10	144799	72400	289598	146782	1.37
59 Phenanthrene-d10	257295	128648	514590	256993	-0.12
69 Chrysene-d12	195882	97941	391764	199514	1.85
134 Di-n-octylphthala	272032	136016	544064	262864	-3.37
77 Perylene-d12	222542	111271	445084	212958	-4.31

COMPOUND	STANDARD	RT LIMIT		SAMPLE	%DIFF
		LOWER	UPPER		
8 1,4-Dichlorobenze	8.71	8.21	9.21	8.71	-0.01
27 Naphthalene-d8	10.75	10.25	11.25	10.75	-0.01
42 Acenaphthene-d10	13.62	13.12	14.12	13.62	-0.01
59 Phenanthrene-d10	16.02	15.52	16.52	16.02	-0.01
69 Chrysene-d12	20.36	19.86	20.86	20.36	-0.03
134 Di-n-octylphthala	21.43	20.93	21.93	21.43	-0.03
77 Perylene-d12	22.55	22.05	23.05	22.55	-0.03

AREA UPPER LIMIT = +100% of internal standard area.
 AREA LOWER LIMIT = - 50% of internal standard area.
 RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
 RT LOWER LIMIT = - 0.50 minutes of internal standard RT.

REVIEW SUMMARY FOR FILE - NT622051602.D

Lab ID: SKE0212-ICB1
nt6.i, SW84620220516.m, 16-MAY-2022 17:45

RT CO-ELUTION COMPOUNDS

NO CO-ELUTIONS

** FIRST SURROGATE NOT FOUND. ICAL Check not performed **

No RRT check performed

On Column LOD for nt6.i, SW84620220516.m, ICALA.sub = 0.0100

* Only compounds listed in the work order have been verified by the analyst *

Data File: \\target\share\chem3\nt6.1\20220516.b\N1622051603.D

Date: 16-May-2022 18:19

Client ID:

Sample Info: IC1220516,

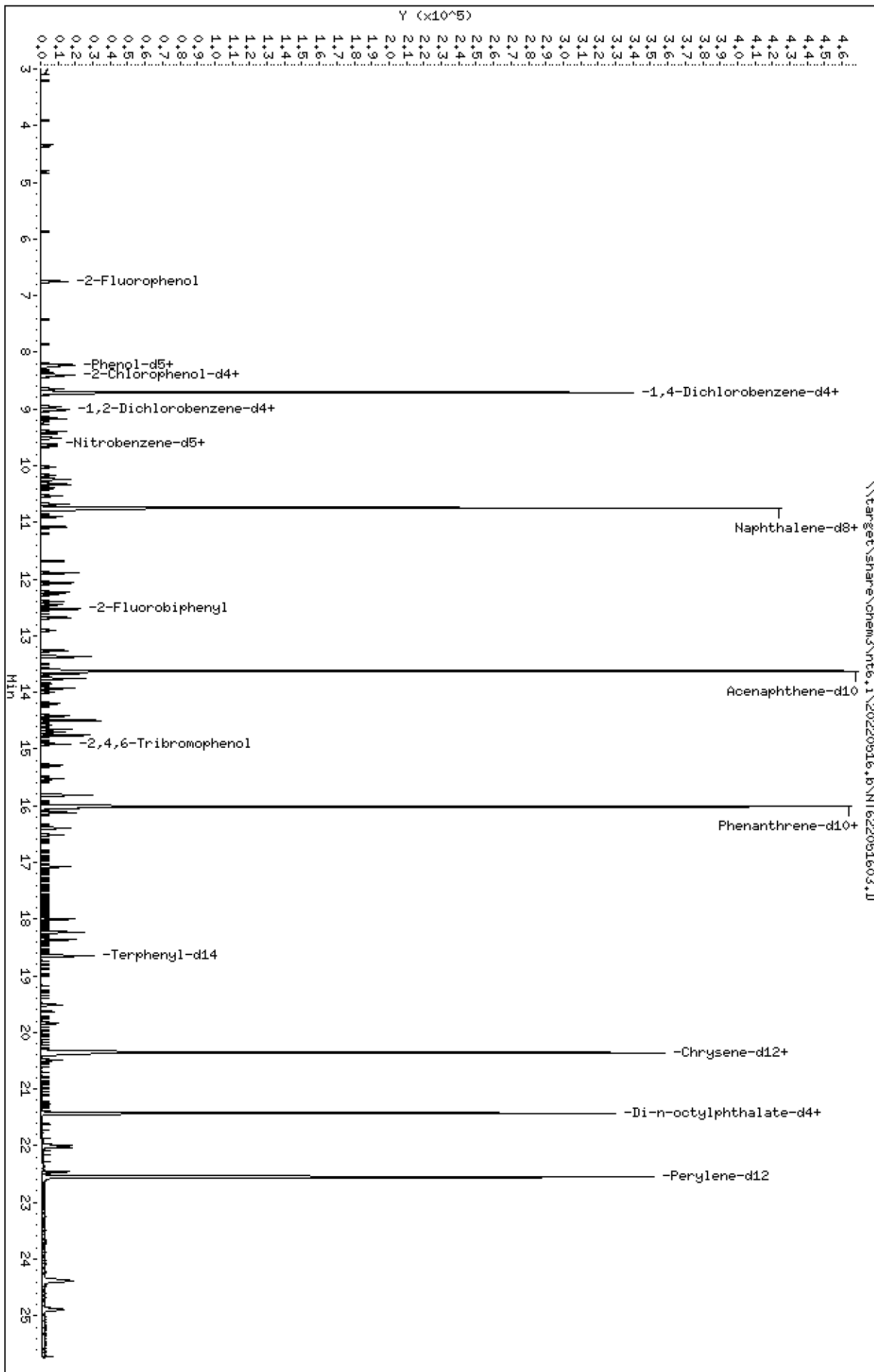
Column phase: ZB-5msi

Instrument: nt6.1

Operator: JZ

Column diameter: 0.32

Page 1



ARI Labs, Inc.

Semivolatile Report SW846 Method 8270D

Data file : \\target\share\chem3\nt6.i\20220516.b\NT622051603.D
 Lab Smp Id: SKE0212-CAL1
 Inj Date : 16-MAY-2022 18:19
 Operator : JZ Inst ID: nt6.i
 Smp Info : IC1220516,
 Misc Info : 22-
 Comment : 1ul Injection
 Method : \\target\share\chem3\nt6.i\20220516.b\SW84620220516.m
 Meth Date : 16-May-2022 23:15 jianqing Quant Type: ISTD
 Cal Date : 16-MAY-2022 18:52 Cal File: NT622051604.D
 Als bottle: 3 Calibration Sample, Level: 1
 Dil Factor: 1.00000
 Integrator: HP RTE Compound Sublist: ICALA.sub
 Target Version: 4.14
 Processing Host: JIANQING-202105

Compounds	QUANT	SIG	RT	EXP RT	REL RT	RESPONSE	AMOUNTS	
							CAL-AMT	ON-COL
	MASS						(ug/mL)	(ug/mL)
\$ 1 2-Fluorophenol	112		6.751	6.748	(0.775)	7156	1.50000	1.684
\$ 2 Phenol-d5	99		8.219	8.217	(0.944)	8321	1.50000	1.712
3 Phenol	94		8.235	8.239	(0.946)	6523	1.00000	1.154
\$ 5 2-Chlorophenol-d4	132		8.401	8.398	(0.965)	7672	1.50000	1.746
4 Bis(2-Chloroethyl)ether	93		8.358	8.361	(0.960)	3473	1.00000	1.019
6 2-Chlorophenol	128		8.422	8.426	(0.967)	5190	1.00000	1.125
7 1,3-Dichlorobenzene	146		8.647	8.650	(0.993)	5006	1.00000	1.044
* 8 1,4-Dichlorobenzene-d4	152		8.705	8.709	(1.000)	78626	20.00000	
9 1,4-Dichlorobenzene	146		8.732	8.730	(1.003)	4895	1.00000	1.047
\$ 10 1,2-Dichlorobenzene-d4	152		9.004	9.008	(1.034)	3577	1.00000	1.138 (M)
12 1,2-Dichlorobenzene	146		9.026	9.029	(1.037)	4640	1.00000	1.045
11 Benzyl alcohol	108		8.962	8.960	(1.029)	2638	1.00000	0.9996
14 2,2'-oxybis(1-Chloropropane)	45		9.218	9.216	(1.059)	2794	1.00000	1.067
13 2-Methylphenol	108		9.170	9.173	(1.053)	4289	1.00000	1.121
17 Hexachloroethane	117		9.517	9.515	(1.093)	1965	1.00000	1.042
16 N-Nitroso-di-n-propylamine	70		9.432	9.435	(1.083)	2836	1.00000	1.109
15 4-Methylphenol	108		9.394	9.398	(1.079)	4403	1.00000	1.079
\$ 18 Nitrobenzene-d5	82		9.629	9.627	(0.896)	4822	1.00000	1.161
19 Nitrobenzene	77		9.656	9.654	(0.899)	4494	1.00000	1.140
20 Isophorone	82		10.025	10.028	(0.933)	5253	1.00000	1.051
21 2-Nitrophenol	139		10.169	10.172	(0.946)	2441	1.00000	1.001
22 2,4-Dimethylphenol	107		10.238	10.242	(0.953)	4954	1.00000	1.080
23 Bis(2-Chloroethoxy)methane	93		10.398	10.402	(0.968)	4087	1.00000	1.145
24 Benzoic acid	105		10.334	10.370	(0.962)	8791	4.00000	3.003
25 2,4-Dichlorophenol	162		10.537	10.535	(0.981)	4006	1.00000	1.072
26 1,2,4-Trichlorobenzene	180		10.682	10.685	(0.994)	4750	1.00000	1.115
* 27 Naphthalene-d8	136		10.746	10.749	(1.000)	270390	20.00000	
28 Naphthalene	128		10.778	10.781	(1.003)	13363	1.00000	1.176
29 4-Chloroaniline	127		10.901	10.904	(1.014)	5239	1.00000	1.122
30 Hexachlorobutadiene	225		11.082	11.080	(1.031)	2966	1.00000	1.079
31 4-Chloro-3-methylphenol	107		11.686	11.684	(1.087)	4215	1.00000	1.120
32 2-Methylnaphthalene	141		11.894	11.897	(1.107)	7411	1.00000	1.142
33 Hexachlorocyclopentadiene	237		12.273	12.271	(0.901)	2512	1.00000	0.8597

Compounds	QUANT SIG					AMOUNTS	
	MASS	RT	EXP RT	REL RT	RESPONSE	CAL-AMT (ug/mL)	ON-COL (ug/mL)
34 2,4,6-Trichlorophenol	196	12.396	12.399	(0.910)	2810	1.00000	0.9315
35 2,4,5-Trichlorophenol	196	12.455	12.453	(0.914)	3341	1.00000	1.040
\$ 36 2-Fluorobiphenyl	172	12.530	12.533	(0.920)	12079	1.00000	1.229
37 2-Chloronaphthalene	162	12.679	12.682	(0.931)	8812	1.00000	1.126
38 2-Nitroaniline	65	12.903	12.907	(0.947)	2250	1.00000	1.138
39 Dimethylphthalate	163	13.261	13.265	(0.973)	9875	1.00000	1.153
40 Acenaphthylene	152	13.368	13.371	(0.981)	14623	1.00000	1.153
41 2,6-Dinitrotoluene	165	13.368	13.371	(0.981)	1867	1.00000	0.9566
* 42 Acenaphthene-d10	164	13.624	13.622	(1.000)	161550	20.0000	
43 3-Nitroaniline	138	13.582	13.580	(0.997)	2021	1.00000	1.060 (M)
44 Acenaphthene	153	13.673	13.670	(1.004)	8464	1.00000	1.125
45 2,4-Dinitrophenol	184	13.747	13.751	(1.009)	1537	4.00000	1.383
46 Dibenzofuran	168	13.929	13.932	(1.022)	12263	1.00000	1.128
47 4-Nitrophenol	109	13.843	13.847	(1.016)	1299	1.00000	0.9430
48 2,4-Dinitrotoluene	165	13.998	13.996	(1.027)	2338	1.00000	0.9282
50 Diethylphthalate	149	14.415	14.413	(1.058)	9367	1.00000	1.133
49 Fluorene	166	14.495	14.493	(1.064)	9846	1.00000	1.132
51 4-Chlorophenyl-phenylether	204	14.500	14.498	(1.064)	5411	1.00000	1.109 (M)
52 4-Nitroaniline	138	14.575	14.584	(1.070)	1907	1.00000	1.106
53 4,6-Dinitro-2-methylphenol	198	14.650	14.659	(0.915)	4522	4.00000	2.953
54 N-Nitrosodiphenylamine	169	14.703	14.701	(0.918)	7148	1.00000	1.179
\$ 55 2,4,6-Tribromophenol	330	14.912	14.915	(1.094)	3001	1.50000	2.183
56 4-Bromophenyl-phenylether	248	15.291	15.289	(0.955)	2845	1.00000	1.083
57 Hexachlorobenzene	284	15.526	15.524	(0.969)	3264	1.00000	1.142
58 Pentachlorophenol	266	15.809	15.812	(0.987)	5096	3.00000	2.668
* 59 Phenanthrene-d10	188	16.017	16.015	(1.000)	279651	20.0000	
60 Phenanthrene	178	16.049	16.053	(1.002)	13697	1.00000	1.188
61 Anthracene	178	16.124	16.122	(1.007)	13359	1.00000	1.159
62 Carbazole	167	16.396	16.393	(1.024)	11579	1.00000	1.168
63 Di-n-butylphthalate	149	17.075	17.073	(1.066)	14446	1.00000	1.164
64 Fluoranthene	202	18.004	18.002	(1.124)	14797	1.00000	1.136
65 Pyrene	202	18.362	18.365	(0.902)	14802	1.00000	1.148
\$ 66 Terphenyl-d14	244	18.650	18.648	(0.916)	18614	1.00000	1.907
67 Butylbenzylphthalate	149	19.516	19.514	(0.959)	5202	1.00000	1.031
68 Benzo(a)anthracene	228	20.327	20.325	(0.999)	12944	1.00000	1.137
* 69 Chrysene-d12	240	20.354	20.357	(1.000)	205373	20.0000	
70 3,3'-Dichlorobenzidine	252	20.322	20.320	(0.998)	4082	1.00000	1.197
71 Chrysene	228	20.392	20.395	(1.002)	12210	1.00000	1.167
72 bis(2-Ethylhexyl)phthalate	149	20.493	20.491	(0.956)	6836	1.00000	1.102
* 134 Di-n-octylphthalate-d4	153	21.428	21.426	(1.000)	268090	20.0000	
73 Di-n-octylphthalate	149	21.433	21.436	(1.000)	13454	1.00000	1.202
74 Benzo(b)fluoranthene	252	21.994	21.992	(0.975)	12073	1.00000	1.129
75 Benzo(k)fluoranthene	252	22.026	22.024	(0.977)	12071	1.00000	1.126
187 Total Benzofluoranthenes	252	21.994	21.992	(0.975)	22897	2.00000	2.249
76 Benzo(a)pyrene	252	22.459	22.462	(0.996)	11050	1.00000	1.101
* 77 Perylene-d12	264	22.549	22.553	(1.000)	216707	20.0000	
78 Indeno(1,2,3-cd)pyrene	276	24.371	24.374	(1.081)	15318	1.00000	1.044
79 Dibenzo(a,h)anthracene	278	24.392	24.395	(1.082)	12858	1.00000	1.047
80 Benzo(g,h,i)perylene	276	24.894	24.897	(1.104)	13222	1.00000	1.051
90 N-Nitrosodimethylamine	74	4.347	4.340	(0.499)	1889	1.00000	0.9521
103 Pyridine	79	4.336	4.317	(0.498)	3684	1.00000	0.9865
91 Aniline	93	8.262	8.260	(0.949)	6440	1.00000	1.108
105 1-methylnaphthalene	141	12.070	12.074	(1.123)	7072	1.00000	1.155
93 Benzidine	184	18.234	18.237	(0.896)	14072	4.00000	4.064

Compounds	QUANT SIG	RT	EXP RT	REL RT	RESPONSE	AMOUNTS	
						CAL-AMT (ug/mL)	ON-COL (ug/mL)
111 Azobenzene (1,2-DP-Hydrazine)	77	14.751	14.755	(0.921)	8518	1.00000	1.196
144 alpha-Terpineol	59	10.772	10.776	(1.002)	2571	1.00000	1.100
133 Butylatedhydroxytoluene	205	13.758	13.756	(1.010)	10407	1.00000	1.214
115 Tributyl Phosphate	99	14.757	14.760	(0.921)	9905	1.00000	1.233
116 Dibutyl Phenyl Phosphate	175	16.514	16.512	(1.031)	7037	1.00000	1.175
117 Butyl Diphenyl Phosphate	94	18.223	18.221	(0.895)	1720	1.00000	1.035
118 Triphenyl Phosphate	326	19.836	19.839	(0.975)	2420	1.00000	1.192
120 2,3,4,6-Tetrachlorophenol	232	14.201	14.205	(1.042)	2384	1.00000	0.9706
151 1,2,4,5-Tetrachlorobenzene	216	12.236	12.239	(0.898)	4849	1.00000	1.094

QC Flag Legend

M - Compound response manually integrated.

ARI Labs, Inc.

INTERNAL STANDARD COMPOUNDS
 AREA AND RT SUMMARY

Instrument ID: nt6.i Calibration Date: 16-MAY-2022
 Lab File ID: NT622051603.D Calibration Time: 17:11
 Lab Smp Id: SKE0212-CAL1
 Analysis Type: SV Level:
 Quant Type: ISTD Sample Type:
 Operator: JZ
 Method File: \\target\share\chem3\nt6.i\20220516.b\SW84620220516.m
 Misc Info: 22-

Test Mode: Use Initial Calibration Level 4.

COMPOUND	STANDARD	AREA LIMIT		SAMPLE	%DIFF
		LOWER	UPPER		
8 1,4-Dichlorobenze	71723	35862	143446	78626	9.62
27 Naphthalene-d8	255203	127602	510406	270390	5.95
42 Acenaphthene-d10	144799	72400	289598	161550	11.57
59 Phenanthrene-d10	257295	128648	514590	279651	8.69
69 Chrysene-d12	195882	97941	391764	205373	4.85
134 Di-n-octylphthala	272032	136016	544064	268090	-1.45
77 Perylene-d12	222542	111271	445084	216707	-2.62

COMPOUND	STANDARD	RT LIMIT		SAMPLE	%DIFF
		LOWER	UPPER		
8 1,4-Dichlorobenze	8.71	8.21	9.21	8.71	-0.05
27 Naphthalene-d8	10.75	10.25	11.25	10.75	-0.04
42 Acenaphthene-d10	13.62	13.12	14.12	13.62	0.01
59 Phenanthrene-d10	16.02	15.52	16.52	16.02	0.01
69 Chrysene-d12	20.36	19.86	20.86	20.35	-0.05
134 Di-n-octylphthala	21.43	20.93	21.93	21.43	-0.02
77 Perylene-d12	22.55	22.05	23.05	22.55	-0.02

AREA UPPER LIMIT = +100% of internal standard area.
 AREA LOWER LIMIT = - 50% of internal standard area.
 RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
 RT LOWER LIMIT = - 0.50 minutes of internal standard RT.

REVIEW SUMMARY FOR FILE - NT622051603.D

Lab ID: SKE0212-CAL1

nt6.i, SW84620220516.m, 16-MAY-2022 18:19

RT CO-ELUTION COMPOUNDS

13.369 Acenaphthylene and 2,6-Dinitrotoluene

Quant Method: ICAL

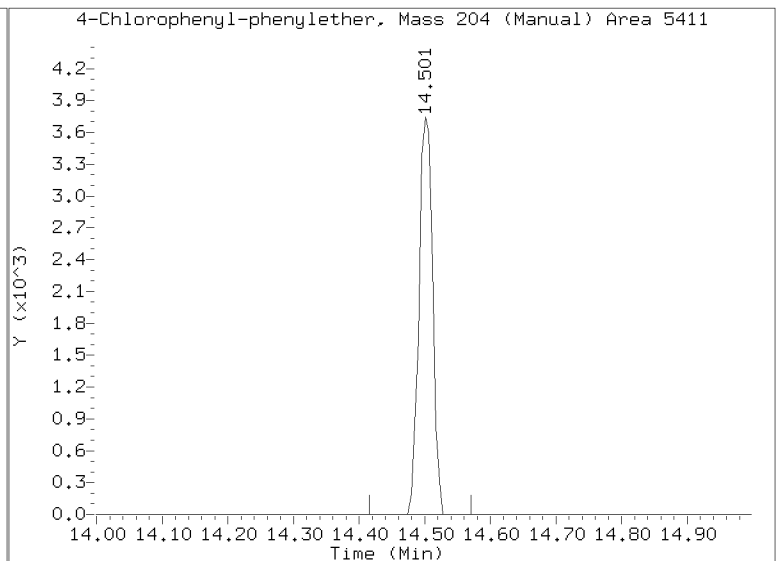
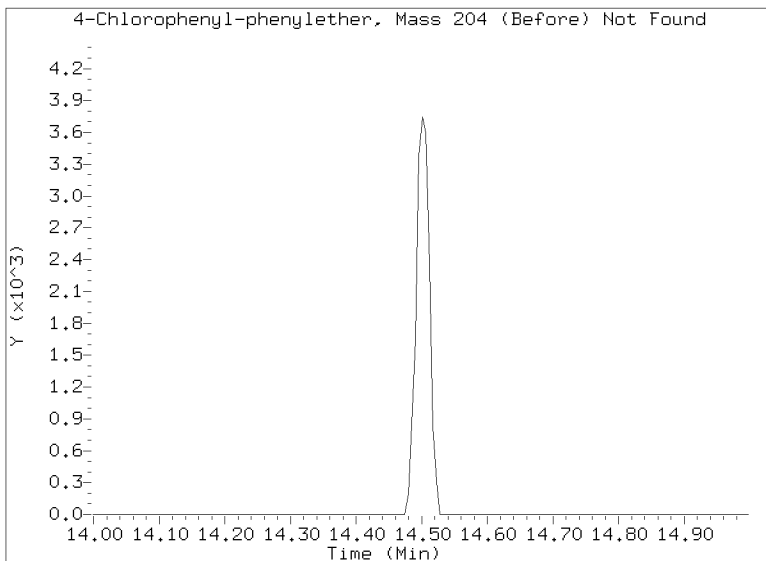
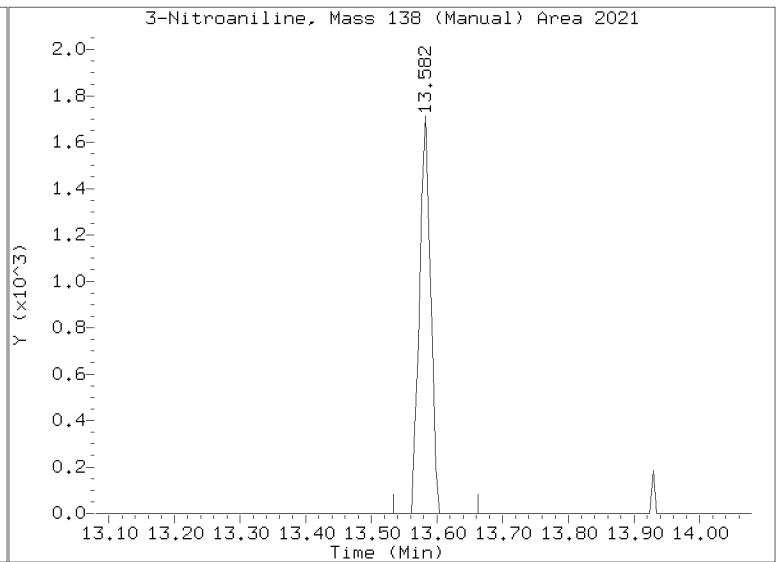
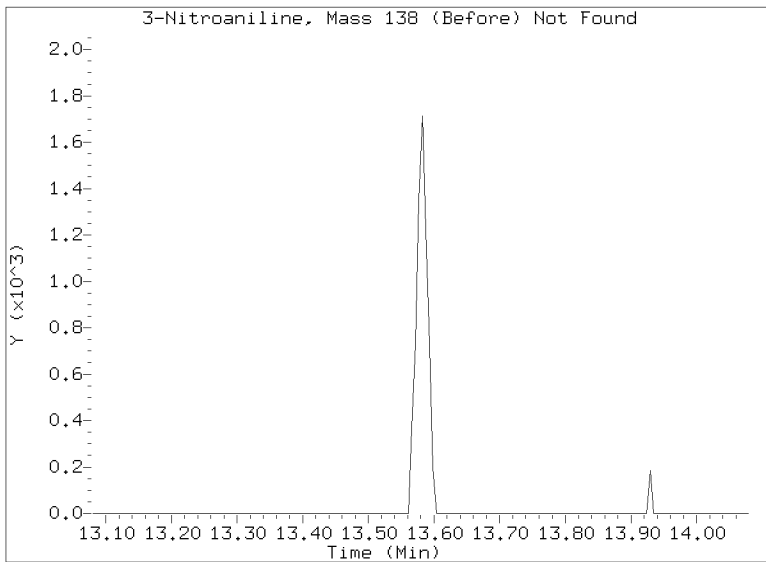
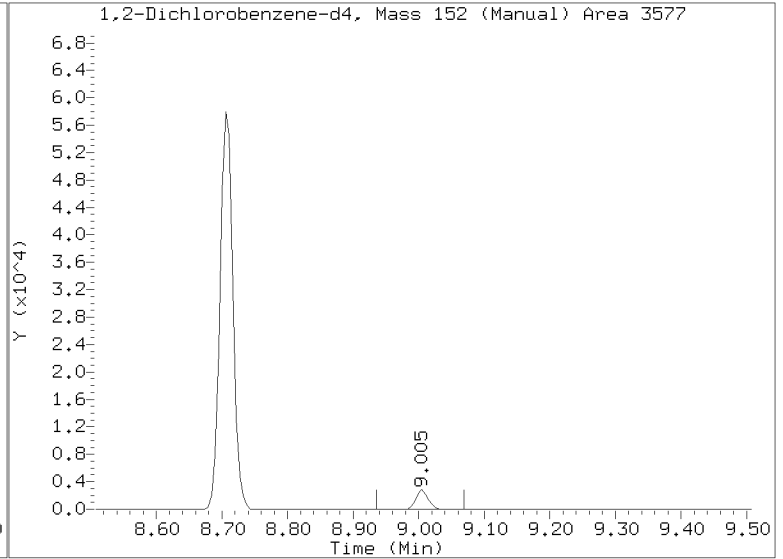
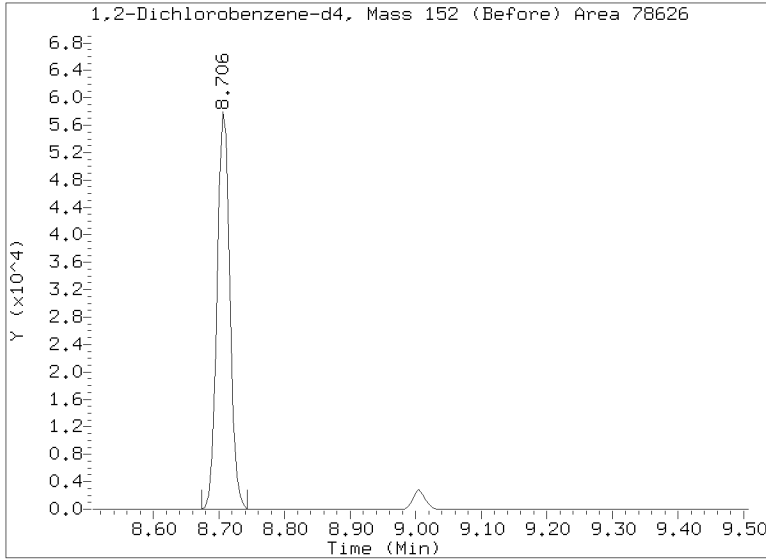
No RRT check performed

On Column LOD for nt6.i, SW84620220516.m, ICALA.sub = 0.0100

* Only compounds listed in the work order have been verified by the analyst *

Quant Ion Manual Peak Adjustment Report

Datafile: //target/share/chem3/nt6.i/20220516.b/NT622051603.D
Injection Date: 16-MAY-2022 18:19
Lab ID: SKE0212-CAL1 Client ID:
Report Date: 05/16/2022 23:18



Data File: \\target\share\chem3\nt6.1\20220516.b\N1622051604.D

Date: 16-May-2022 18:52

Client ID:

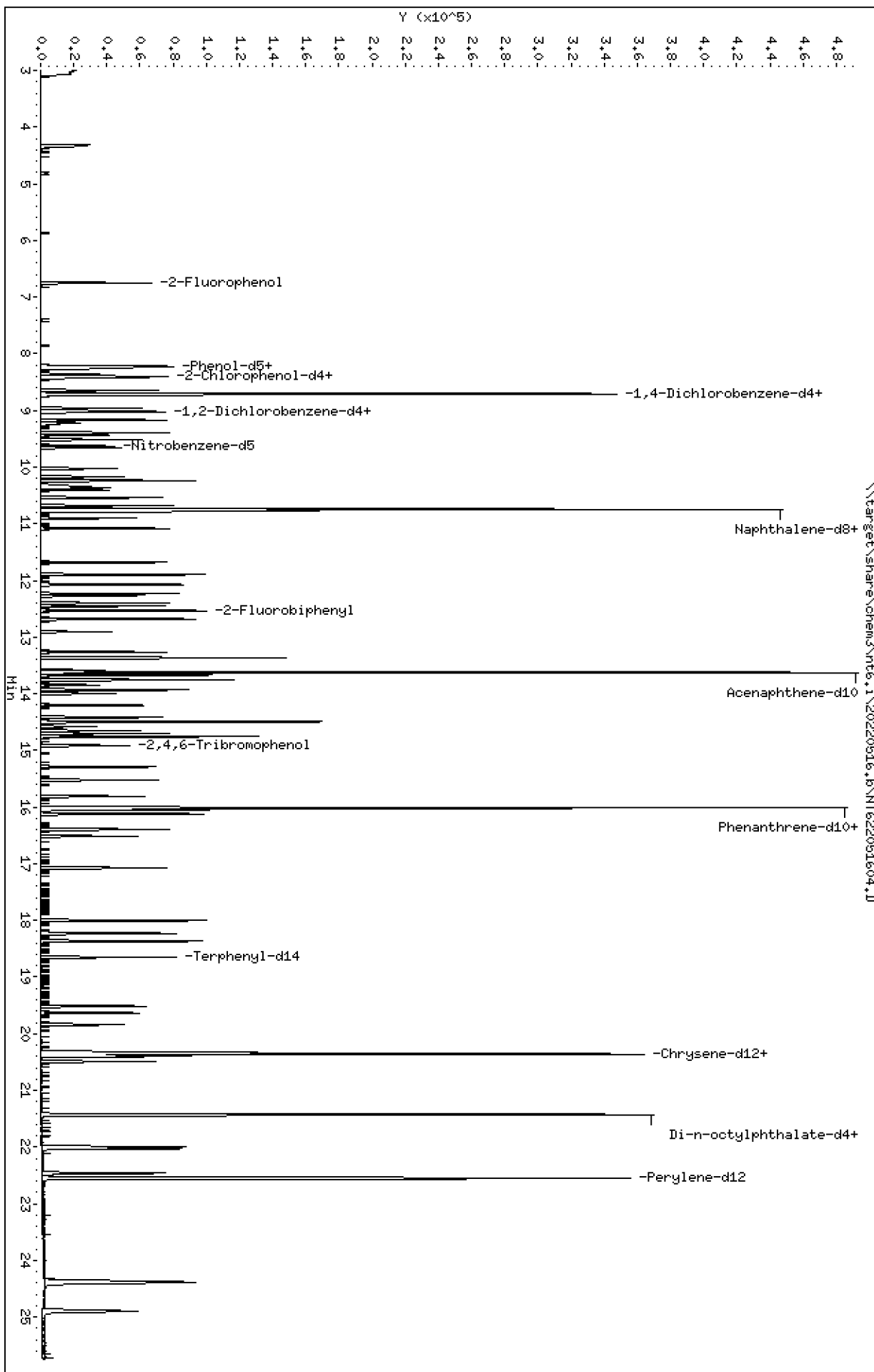
Sample Info: IC6220516,

Column phase: ZB-5msi

Instrument: nt6.1

Operator: JZ

Column diameter: 0.32



ARI Labs, Inc.

Semivolatile Report SW846 Method 8270D

Data file : \\target\share\chem3\nt6.i\20220516.b\NT622051604.D
 Lab Smp Id: SKE0212-CAL2
 Inj Date : 16-MAY-2022 18:52
 Operator : JZ Inst ID: nt6.i
 Smp Info : IC5220516,
 Misc Info : 22-
 Comment : 1ul Injection
 Method : \\target\share\chem3\nt6.i\20220516.b\SW84620220516.m
 Meth Date : 16-May-2022 23:15 jianqing Quant Type: ISTD
 Cal Date : 16-MAY-2022 18:52 Cal File: NT622051604.D
 Als bottle: 4 Calibration Sample, Level: 2
 Dil Factor: 1.00000
 Integrator: HP RTE Compound Sublist: ICALA.sub
 Target Version: 4.14
 Processing Host: JIANQING-202105

Compounds	QUANT	SIG	RT	EXP RT	REL RT	RESPONSE	AMOUNTS	
							CAL-AMT	ON-COL
	MASS						(ug/mL)	(ug/mL)
\$ 1 2-Fluorophenol	112		6.748	6.748	(0.775)	29229	7.50000	6.594
\$ 2 Phenol-d5	99		8.217	8.217	(0.944)	33970	7.50000	6.699
3 Phenol	94		8.238	8.239	(0.946)	29658	5.00000	5.032
\$ 5 2-Chlorophenol-d4	132		8.398	8.398	(0.964)	30768	7.50000	6.713
4 Bis(2-Chloroethyl)ether	93		8.361	8.361	(0.960)	17740	5.00000	4.988
6 2-Chlorophenol	128		8.425	8.426	(0.967)	25090	5.00000	5.214
7 1,3-Dichlorobenzene	146		8.649	8.650	(0.993)	25571	5.00000	5.114
* 8 1,4-Dichlorobenzene-d4	152		8.708	8.709	(1.000)	82013	20.0000	
9 1,4-Dichlorobenzene	146		8.729	8.730	(1.002)	24726	5.00000	5.070
\$ 10 1,2-Dichlorobenzene-d4	152		9.007	9.008	(1.034)	14490	5.00000	4.418
12 1,2-Dichlorobenzene	146		9.029	9.029	(1.037)	23652	5.00000	5.107
11 Benzyl alcohol	108		8.959	8.960	(1.029)	13081	5.00000	4.752
14 2,2'-oxybis(1-Chloropropane)	45		9.216	9.216	(1.058)	14028	5.00000	5.138
13 2-Methylphenol	108		9.173	9.173	(1.053)	20536	5.00000	5.144
17 Hexachloroethane	117		9.515	9.515	(1.093)	9947	5.00000	5.057
16 N-Nitroso-di-n-propylamine	70		9.435	9.435	(1.083)	13678	5.00000	5.130
15 4-Methylphenol	108		9.397	9.398	(1.079)	22339	5.00000	5.246
\$ 18 Nitrobenzene-d5	82		9.627	9.627	(0.896)	19591	5.00000	4.414
19 Nitrobenzene	77		9.653	9.654	(0.898)	21099	5.00000	5.006
20 Isophorone	82		10.027	10.028	(0.933)	26861	5.00000	5.027
21 2-Nitrophenol	139		10.172	10.172	(0.946)	13240	5.00000	5.077
22 2,4-Dimethylphenol	107		10.241	10.242	(0.953)	25969	5.00000	5.296
23 Bis(2-Chloroethoxy)methane	93		10.401	10.402	(0.968)	18496	5.00000	4.849
24 Benzoic acid	105		10.369	10.370	(0.965)	28857	10.0000	9.221
25 2,4-Dichlorophenol	162		10.535	10.535	(0.980)	20549	5.00000	5.143
26 1,2,4-Trichlorobenzene	180		10.684	10.685	(0.994)	22902	5.00000	5.031
* 27 Naphthalene-d8	136		10.748	10.749	(1.000)	289042	20.0000	
28 Naphthalene	128		10.780	10.781	(1.003)	61189	5.00000	5.037
29 4-Chloroaniline	127		10.903	10.904	(1.014)	23779	5.00000	4.762
30 Hexachlorobutadiene	225		11.080	11.080	(1.031)	14205	5.00000	4.836
31 4-Chloro-3-methylphenol	107		11.683	11.684	(1.087)	20428	5.00000	5.077
32 2-Methylnaphthalene	141		11.897	11.897	(1.107)	32253	5.00000	4.649
33 Hexachlorocyclopentadiene	237		12.271	12.271	(0.901)	14385	5.00000	4.871

Compounds	QUANT		SIG				AMOUNTS	
	MASS	RT	EXP RT	REL RT	RESPONSE	CAL-AMT (ug/mL)	ON-COL (ug/mL)	
34 2,4,6-Trichlorophenol	196	12.399	12.399	(0.910)	15564	5.00000	5.105	
35 2,4,5-Trichlorophenol	196	12.452	12.453	(0.914)	17074	5.00000	5.259	
\$ 36 2-Fluorobiphenyl	172	12.532	12.533	(0.920)	46392	5.00000	4.671	
37 2-Chloronaphthalene	162	12.682	12.682	(0.931)	40542	5.00000	5.127	
38 2-Nitroaniline	65	12.906	12.907	(0.947)	9554	5.00000	4.780	
39 Dimethylphthalate	163	13.264	13.265	(0.974)	45003	5.00000	5.201	
40 Acenaphthylene	152	13.371	13.371	(0.982)	66507	5.00000	5.188	
41 2,6-Dinitrotoluene	165	13.371	13.371	(0.982)	10084	5.00000	5.112	
* 42 Acenaphthene-d10	164	13.622	13.622	(1.000)	163263	20.0000		
43 3-Nitroaniline	138	13.579	13.580	(0.997)	9295	5.00000	4.826	
44 Acenaphthene	153	13.670	13.670	(1.004)	39072	5.00000	5.140	
45 2,4-Dinitrophenol	184	13.750	13.751	(1.009)	7664	10.0000	6.779	
46 Dibenzofuran	168	13.932	13.932	(1.023)	54384	5.00000	4.951	
47 4-Nitrophenol	109	13.846	13.847	(1.016)	7549	5.00000	5.423	
48 2,4-Dinitrotoluene	165	13.996	13.996	(1.027)	13165	5.00000	5.172	
50 Diethylphthalate	149	14.412	14.413	(1.058)	42771	5.00000	5.117	
49 Fluorene	166	14.493	14.493	(1.064)	44059	5.00000	5.014	
51 4-Chlorophenyl-phenylether	204	14.498	14.498	(1.064)	24689	5.00000	5.007	
52 4-Nitroaniline	138	14.583	14.584	(1.071)	8422	5.00000	4.835	
53 4,6-Dinitro-2-methylphenol	198	14.658	14.659	(0.915)	15251	10.0000	9.757	
54 N-Nitrosodiphenylamine	169	14.701	14.701	(0.918)	32494	5.00000	5.251	
\$ 55 2,4,6-Tribromophenol	330	14.914	14.915	(1.095)	9850	7.50000	7.091	
56 4-Bromophenyl-phenylether	248	15.288	15.289	(0.955)	13515	5.00000	5.040	
57 Hexachlorobenzene	284	15.523	15.524	(0.969)	14628	5.00000	5.012	
58 Pentachlorophenol	266	15.812	15.812	(0.987)	9922	5.00000	5.089	
* 59 Phenanthrene-d10	188	16.015	16.015	(1.000)	285473	20.0000		
60 Phenanthrene	178	16.052	16.053	(1.002)	60192	5.00000	5.115	
61 Anthracene	178	16.122	16.122	(1.007)	60713	5.00000	5.158	
62 Carbazole	167	16.394	16.393	(1.024)	52296	5.00000	5.169	
63 Di-n-butylphthalate	149	17.072	17.073	(1.066)	65544	5.00000	5.173	
64 Fluoranthene	202	18.002	18.002	(1.124)	67372	5.00000	5.066	
65 Pyrene	202	18.365	18.365	(0.902)	68080	5.00000	5.191	
\$ 66 Terphenyl-d14	244	18.648	18.648	(0.916)	46592	5.00000	4.692	
67 Butylbenzylphthalate	149	19.513	19.514	(0.959)	25120	5.00000	4.892	
68 Benzo(a)anthracene	228	20.325	20.325	(0.998)	57141	5.00000	4.933	
* 69 Chrysene-d12	240	20.357	20.357	(1.000)	208902	20.0000		
70 3,3'-Dichlorobenzidine	252	20.320	20.320	(0.998)	17919	5.00000	5.165	
71 Chrysene	228	20.394	20.395	(1.002)	52470	5.00000	4.931	
72 bis(2-Ethylhexyl)phthalate	149	20.491	20.491	(0.956)	33167	5.00000	5.095	
* 134 Di-n-octylphthalate-d4	153	21.425	21.426	(1.000)	281399	20.0000		
73 Di-n-octylphthalate	149	21.436	21.436	(1.000)	61062	5.00000	5.199	
74 Benzo(b)fluoranthene	252	21.991	21.992	(0.975)	54303	5.00000	4.771	
75 Benzo(k)fluoranthene	252	22.023	22.024	(0.977)	60150	5.00000	5.274	
187 Total Benzofluoranthenes	252	21.991	21.992	(0.975)	108554	10.0000	10.02 (M)	
76 Benzo(a)pyrene	252	22.461	22.462	(0.996)	52556	5.00000	4.920	
* 77 Perylene-d12	264	22.552	22.553	(1.000)	230563	20.0000		
78 Indeno(1,2,3-cd)pyrene	276	24.373	24.374	(1.081)	75801	5.00000	4.855	
79 Dibenzo(a,h)anthracene	278	24.395	24.395	(1.082)	63204	5.00000	4.840	
80 Benzo(g,h,i)perylene	276	24.897	24.897	(1.104)	66258	5.00000	4.948	
90 N-Nitrosodimethylamine	74	4.339	4.340	(0.498)	10141	5.00000	4.900	
103 Pyridine	79	4.318	4.317	(0.496)	18694	5.00000	4.799	
91 Aniline	93	8.259	8.260	(0.948)	27786	5.00000	4.585	
105 1-methylnaphthalene	141	12.073	12.074	(1.123)	30503	5.00000	4.659	
93 Benzidine	184	18.237	18.237	(0.896)	35239	10.0000	10.01	

Compounds	QUANT SIG	RT	EXP RT	REL RT	RESPONSE	AMOUNTS	
						CAL-AMT (ug/mL)	ON-COL (ug/mL)
111 Azobenzene (1,2-DP-Hydrazine)	77	14.754	14.755	(0.921)	38081	5.00000	5.239
144 alpha-Terpineol	59	10.775	10.776	(1.002)	12627	5.00000	5.053
133 Butylatedhydroxytoluene	205	13.755	13.756	(1.010)	40892	5.00000	4.719
115 Tributyl Phosphate	99	14.760	14.760	(0.922)	38925	5.00000	4.748
116 Dibutyl Phenyl Phosphate	175	16.511	16.512	(1.031)	28601	5.00000	4.677
117 Butyl Diphenyl Phosphate	94	18.221	18.221	(0.895)	7711	5.00000	4.562
118 Triphenyl Phosphate	326	19.839	19.839	(0.975)	8993	5.00000	4.355
120 2,3,4,6-Tetrachlorophenol	232	14.204	14.205	(1.043)	12735	5.00000	5.131
151 1,2,4,5-Tetrachlorobenzene	216	12.239	12.239	(0.898)	23191	5.00000	5.175

QC Flag Legend

M - Compound response manually integrated.

ARI Labs, Inc.

INTERNAL STANDARD COMPOUNDS
 AREA AND RT SUMMARY

Instrument ID: nt6.i Calibration Date: 16-MAY-2022
 Lab File ID: NT622051604.D Calibration Time: 17:11
 Lab Smp Id: SKE0212-CAL2
 Analysis Type: SV Level:
 Quant Type: ISTD Sample Type:
 Operator: JZ
 Method File: \\target\share\chem3\nt6.i\20220516.b\SW84620220516.m
 Misc Info: 22-

Test Mode: Use Initial Calibration Level 4.

COMPOUND	STANDARD	AREA LIMIT		SAMPLE	%DIFF
		LOWER	UPPER		
8 1,4-Dichlorobenze	71723	35862	143446	82013	14.35
27 Naphthalene-d8	255203	127602	510406	289042	13.26
42 Acenaphthene-d10	144799	72400	289598	163263	12.75
59 Phenanthrene-d10	257295	128648	514590	285473	10.95
69 Chrysene-d12	195882	97941	391764	208902	6.65
134 Di-n-octylphthala	272032	136016	544064	281399	3.44
77 Perylene-d12	222542	111271	445084	230563	3.60

COMPOUND	STANDARD	RT LIMIT		SAMPLE	%DIFF
		LOWER	UPPER		
8 1,4-Dichlorobenze	8.71	8.21	9.21	8.71	-0.01
27 Naphthalene-d8	10.75	10.25	11.25	10.75	-0.01
42 Acenaphthene-d10	13.62	13.12	14.12	13.62	-0.01
59 Phenanthrene-d10	16.02	15.52	16.52	16.02	-0.01
69 Chrysene-d12	20.36	19.86	20.86	20.36	-0.03
134 Di-n-octylphthala	21.43	20.93	21.93	21.43	-0.03
77 Perylene-d12	22.55	22.05	23.05	22.55	-0.01

AREA UPPER LIMIT = +100% of internal standard area.
 AREA LOWER LIMIT = - 50% of internal standard area.
 RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
 RT LOWER LIMIT = - 0.50 minutes of internal standard RT.

REVIEW SUMMARY FOR FILE - NT622051604.D

Lab ID: SKE0212-CAL2

nt6.i, SW84620220516.m, 16-MAY-2022 18:52

RT CO-ELUTION COMPOUNDS

13.371 Acenaphthylene and 2,6-Dinitrotoluene

Quant Method: ICAL

No RRT check performed

On Column LOD for nt6.i, SW84620220516.m, ICALA.sub = 0.0100

* Only compounds listed in the work order have been verified by the analyst *

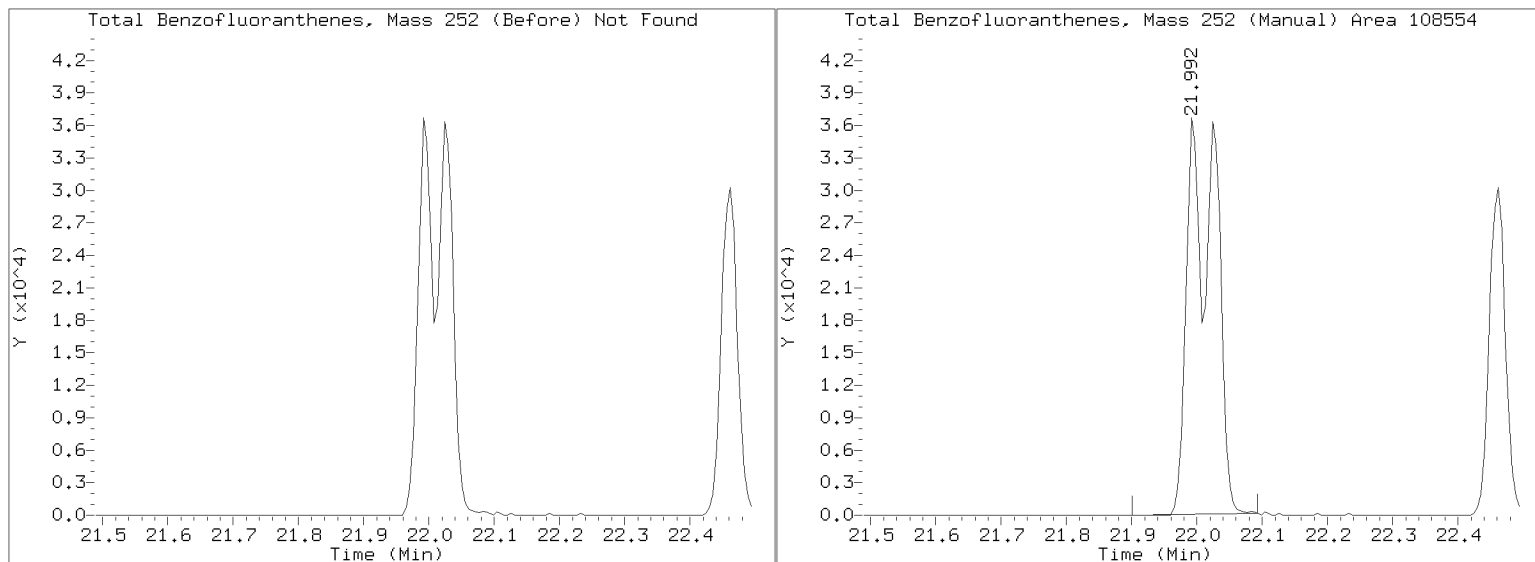
Quant Ion Manual Peak Adjustment Report

Datafile: //target/share/chem3/nt6.i/20220516.b/NT622051604.D

Injection Date: 16-MAY-2022 18:52

Lab ID: SKE0212-CAL2 Client ID:

Report Date: 05/16/2022 23:18



Data File: \\target\share\chem3\nt6.1\20220516.b\N1622051605.D

Date: 16-May-2022 19:25

Client ID:

Sample Info: IC10220516,

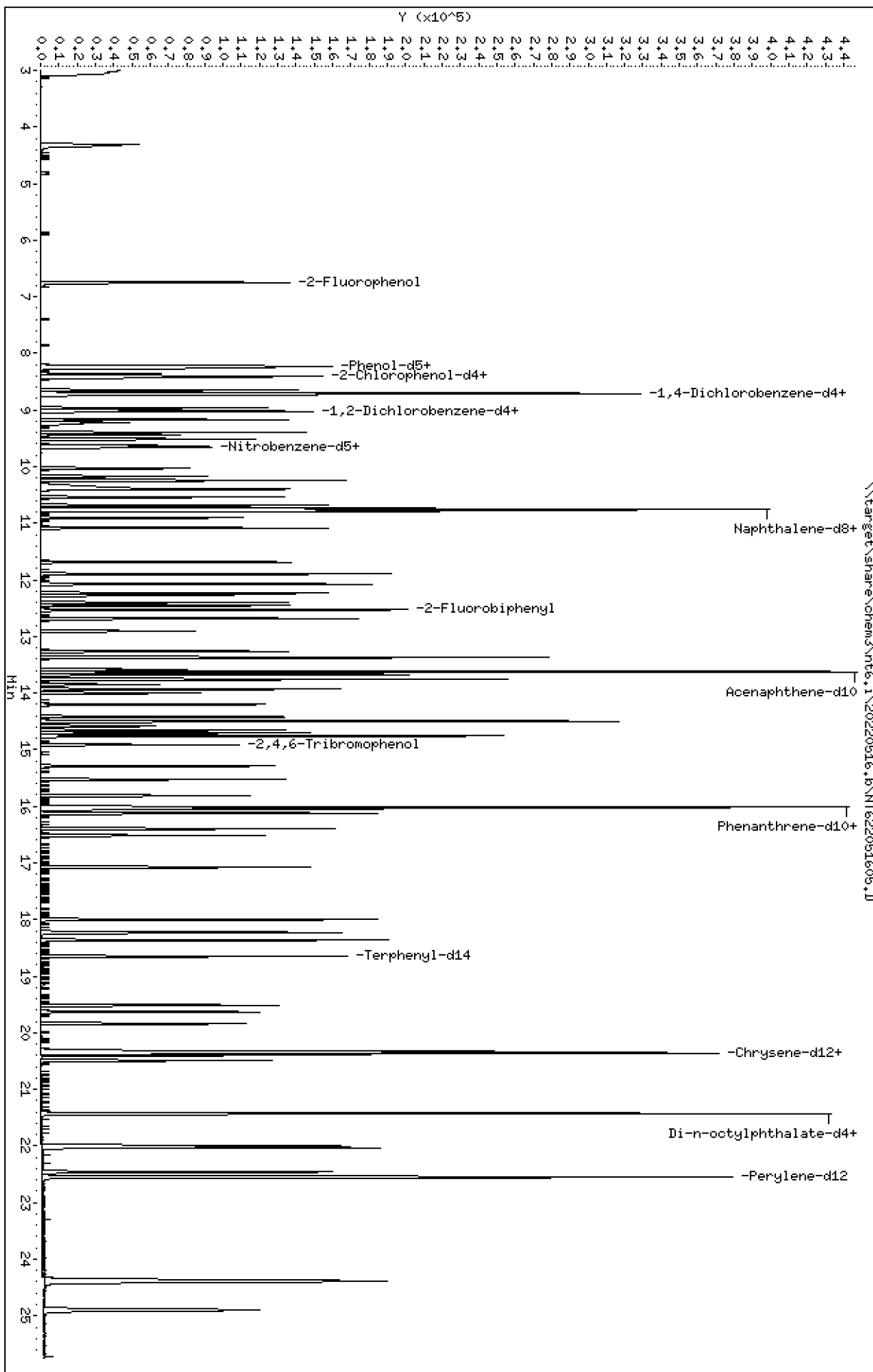
Column phase: ZB-5msi

Instrument: nt6.1

Operator: JZ

Column diameter: 0.32

Page 1



ARI Labs, Inc.

Semivolatile Report SW846 Method 8270D

Data file : \\target\share\chem3\nt6.i\20220516.b\NT622051605.D
 Lab Smp Id: SKE0212-CAL3
 Inj Date : 16-MAY-2022 19:25
 Operator : JZ Inst ID: nt6.i
 Smp Info : IC10220516,
 Misc Info : 22-
 Comment : 1ul Injection
 Method : \\target\share\chem3\nt6.i\20220516.b\SW84620220516.m
 Meth Date : 16-May-2022 23:15 jianqing Quant Type: ISTD
 Cal Date : 16-MAY-2022 18:52 Cal File: NT622051604.D
 Als bottle: 5 Calibration Sample, Level: 3
 Dil Factor: 1.00000
 Integrator: HP RTE Compound Sublist: ICALA.sub
 Target Version: 4.14
 Processing Host: JIANQING-202105

Compounds	QUANT	SIG	RT	EXP RT	REL RT	RESPONSE	AMOUNTS	
							CAL-AMT	ON-COL
	MASS						(ug/mL)	(ug/mL)
\$ 1 2-Fluorophenol	112		6.751	6.748	(0.775)	59885	15.0000	13.95
\$ 2 Phenol-d5	99		8.220	8.217	(0.944)	68458	15.0000	13.94
3 Phenol	94		8.242	8.239	(0.947)	56026	10.0000	9.816
\$ 5 2-Chlorophenol-d4	132		8.402	8.398	(0.965)	63077	15.0000	14.21
4 Bis(2-Chloroethyl)ether	93		8.364	8.361	(0.961)	34309	10.0000	9.961
6 2-Chlorophenol	128		8.423	8.426	(0.967)	46095	10.0000	9.891
7 1,3-Dichlorobenzene	146		8.648	8.650	(0.993)	48185	10.0000	9.951
* 8 1,4-Dichlorobenzene-d4	152		8.706	8.709	(1.000)	79426	20.0000	
9 1,4-Dichlorobenzene	146		8.733	8.730	(1.003)	48093	10.0000	10.18
\$ 10 1,2-Dichlorobenzene-d4	152		9.005	9.008	(1.034)	30181	10.0000	9.501
12 1,2-Dichlorobenzene	146		9.027	9.029	(1.037)	45369	10.0000	10.12
11 Benzyl alcohol	108		8.963	8.960	(1.029)	25886	10.0000	9.710
14 2,2'-oxybis(1-Chloropropane)	45		9.219	9.216	(1.059)	25541	10.0000	9.659
13 2-Methylphenol	108		9.171	9.173	(1.053)	38338	10.0000	9.917
17 Hexachloroethane	117		9.513	9.515	(1.093)	19749	10.0000	10.37
16 N-Nitroso-di-n-propylamine	70		9.433	9.435	(1.083)	24698	10.0000	9.564
15 4-Methylphenol	108		9.395	9.398	(1.079)	40527	10.0000	9.828
\$ 18 Nitrobenzene-d5	82		9.630	9.627	(0.896)	40007	10.0000	9.703
19 Nitrobenzene	77		9.657	9.654	(0.899)	39256	10.0000	10.03
20 Isophorone	82		10.031	10.028	(0.933)	49480	10.0000	9.968
21 2-Nitrophenol	139		10.170	10.172	(0.946)	24855	10.0000	10.26
22 2,4-Dimethylphenol	107		10.244	10.242	(0.953)	46339	10.0000	10.17
23 Bis(2-Chloroethoxy)methane	93		10.405	10.402	(0.968)	35491	10.0000	10.02
24 Benzoic acid	105		10.399	10.370	(0.968)	58292	20.0000	20.05
25 2,4-Dichlorophenol	162		10.538	10.535	(0.981)	37350	10.0000	10.06
26 1,2,4-Trichlorobenzene	180		10.682	10.685	(0.994)	42685	10.0000	10.09
* 27 Naphthalene-d8	136		10.747	10.749	(1.000)	268502	20.0000	
28 Naphthalene	128		10.779	10.781	(1.003)	115320	10.0000	10.22
29 4-Chloroaniline	127		10.907	10.904	(1.015)	45503	10.0000	9.810
30 Hexachlorobutadiene	225		11.083	11.080	(1.031)	27551	10.0000	10.10
31 4-Chloro-3-methylphenol	107		11.687	11.684	(1.087)	36637	10.0000	9.801
32 2-Methylnaphthalene	141		11.895	11.897	(1.107)	64522	10.0000	10.01
33 Hexachlorocyclopentadiene	237		12.274	12.271	(0.901)	27296	10.0000	9.732

Compounds	QUANT SIG					AMOUNTS	
	MASS	RT	EXP RT	REL RT	RESPONSE	CAL-AMT (ug/mL)	ON-COL (ug/mL)
34 2,4,6-Trichlorophenol	196	12.402	12.399	(0.910)	29697	10.0000	10.26
35 2,4,5-Trichlorophenol	196	12.456	12.453	(0.914)	30625	10.0000	9.931
\$ 36 2-Fluorobiphenyl	172	12.530	12.533	(0.920)	89949	10.0000	9.535
37 2-Chloronaphthalene	162	12.685	12.682	(0.931)	74566	10.0000	9.929
38 2-Nitroaniline	65	12.904	12.907	(0.947)	18043	10.0000	9.504
39 Dimethylphthalate	163	13.268	13.265	(0.974)	80574	10.0000	9.804
40 Acenaphthylene	152	13.369	13.371	(0.981)	123732	10.0000	10.16
41 2,6-Dinitrotoluene	165	13.369	13.371	(0.981)	18501	10.0000	9.875
* 42 Acenaphthene-d10	164	13.625	13.622	(1.000)	155071	20.0000	
43 3-Nitroaniline	138	13.583	13.580	(0.997)	17896	10.0000	9.782
44 Acenaphthene	153	13.673	13.670	(1.004)	72211	10.0000	10.00
45 2,4-Dinitrophenol	184	13.748	13.751	(1.009)	19575	20.0000	17.97
46 Dibenzofuran	168	13.930	13.932	(1.022)	105179	10.0000	10.08
47 4-Nitrophenol	109	13.850	13.847	(1.016)	13978	10.0000	10.57
48 2,4-Dinitrotoluene	165	13.999	13.996	(1.027)	24166	10.0000	9.994
50 Diethylphthalate	149	14.421	14.413	(1.058)	78881	10.0000	9.936
49 Fluorene	166	14.496	14.493	(1.064)	83573	10.0000	10.01
51 4-Chlorophenyl-phenylether	204	14.501	14.498	(1.064)	46228	10.0000	9.870
52 4-Nitroaniline	138	14.587	14.584	(1.071)	16914	10.0000	10.22
53 4,6-Dinitro-2-methylphenol	198	14.662	14.659	(0.915)	30461	20.0000	20.44
54 N-Nitrosodiphenylamine	169	14.704	14.701	(0.918)	58177	10.0000	9.860
\$ 55 2,4,6-Tribromophenol	330	14.918	14.915	(1.095)	18380	15.0000	13.93
56 4-Bromophenyl-phenylether	248	15.292	15.289	(0.955)	25188	10.0000	9.850
57 Hexachlorobenzene	284	15.527	15.524	(0.969)	27528	10.0000	9.892
58 Pentachlorophenol	266	15.815	15.812	(0.987)	19291	10.0000	10.38
* 59 Phenanthrene-d10	188	16.018	16.015	(1.000)	272217	20.0000	
60 Phenanthrene	178	16.050	16.053	(1.002)	113987	10.0000	10.16
61 Anthracene	178	16.125	16.122	(1.007)	115109	10.0000	10.26
62 Carbazole	167	16.397	16.393	(1.024)	99436	10.0000	10.31
63 Di-n-butylphthalate	149	17.076	17.073	(1.066)	124822	10.0000	10.33
64 Fluoranthene	202	18.005	18.002	(1.124)	128763	10.0000	10.15
65 Pyrene	202	18.363	18.365	(0.902)	129593	10.0000	10.04
\$ 66 Terphenyl-d14	244	18.646	18.648	(0.916)	96026	10.0000	9.823
67 Butylbenzylphthalate	149	19.517	19.514	(0.959)	50879	10.0000	10.07
68 Benzo(a)anthracene	228	20.328	20.325	(0.999)	113816	10.0000	9.983
* 69 Chrysene-d12	240	20.355	20.357	(1.000)	205628	20.0000	
70 3,3'-Dichlorobenzidine	252	20.323	20.320	(0.998)	35941	10.0000	10.52
71 Chrysene	228	20.398	20.395	(1.002)	104472	10.0000	9.975
72 bis(2-Ethylhexyl)phthalate	149	20.489	20.491	(0.956)	66770	10.0000	10.21
* 134 Di-n-octylphthalate-d4	153	21.429	21.426	(1.000)	282768	20.0000	
73 Di-n-octylphthalate	149	21.434	21.436	(1.000)	118652	10.0000	10.05
74 Benzo(b)fluoranthene	252	21.995	21.992	(0.975)	114299	10.0000	9.770
75 Benzo(k)fluoranthene	252	22.027	22.024	(0.977)	117375	10.0000	10.01
187 Total Benzofluoranthenes	252	22.027	21.992	(0.977)	220956	20.0000	19.85
76 Benzo(a)pyrene	252	22.460	22.462	(0.996)	106259	10.0000	9.679
* 77 Perylene-d12	264	22.550	22.553	(1.000)	236979	20.0000	
78 Indeno(1,2,3-cd)pyrene	276	24.377	24.374	(1.081)	156477	10.0000	9.751
79 Dibenzo(a,h)anthracene	278	24.398	24.395	(1.082)	131355	10.0000	9.786
80 Benzo(g,h,i)perylene	276	24.900	24.897	(1.104)	134500	10.0000	9.772
90 N-Nitrosodimethylamine	74	4.337	4.340	(0.498)	19903	10.0000	9.930
103 Pyridine	79	4.305	4.317	(0.495)	36193	10.0000	9.594
91 Aniline	93	8.258	8.260	(0.948)	56524	10.0000	9.630
105 1-methylnaphthalene	141	12.071	12.074	(1.123)	60114	10.0000	9.883
93 Benzidine	184	18.235	18.237	(0.896)	64026	20.0000	18.47

Compounds	QUANT SIG		AMOUNTS					
	MASS		RT	EXP RT	REL RT	RESPONSE	CAL-AMT (ug/mL)	ON-COL (ug/mL)
111 Azobenzene (1,2-DP-Hydrazine)	77		14.758	14.755	(0.921)	71338	10.0000	10.29
144 alpha-Terpineol	59		10.779	10.776	(1.003)	23346	10.0000	10.06
133 Butylatedhydroxytoluene	205		13.759	13.756	(1.010)	82318	10.0000	10.00
115 Tributyl Phosphate	99		14.763	14.760	(0.922)	79233	10.0000	10.14
116 Dibutyl Phenyl Phosphate	175		16.515	16.512	(1.031)	57445	10.0000	9.852
117 Butyl Diphenyl Phosphate	94		18.219	18.221	(0.895)	16324	10.0000	9.811
118 Triphenyl Phosphate	326		19.842	19.839	(0.975)	19945	10.0000	9.813
120 2,3,4,6-Tetrachlorophenol	232		14.202	14.205	(1.042)	23444	10.0000	9.944
151 1,2,4,5-Tetrachlorobenzene	216		12.237	12.239	(0.898)	42177	10.0000	9.910

ARI Labs, Inc.

INTERNAL STANDARD COMPOUNDS
 AREA AND RT SUMMARY

Instrument ID: nt6.i Calibration Date: 16-MAY-2022
 Lab File ID: NT622051605.D Calibration Time: 17:11
 Lab Smp Id: SKE0212-CAL3
 Analysis Type: SV Level:
 Quant Type: ISTD Sample Type:
 Operator: JZ
 Method File: \\target\share\chem3\nt6.i\20220516.b\SW84620220516.m
 Misc Info: 22-

Test Mode: Use Initial Calibration Level 4.

COMPOUND	STANDARD	AREA LIMIT		SAMPLE	%DIFF
		LOWER	UPPER		
8 1,4-Dichlorobenze	71723	35862	143446	79426	10.74
27 Naphthalene-d8	255203	127602	510406	268502	5.21
42 Acenaphthene-d10	144799	72400	289598	155071	7.09
59 Phenanthrene-d10	257295	128648	514590	272217	5.80
69 Chrysene-d12	195882	97941	391764	205628	4.98
134 Di-n-octylphthala	272032	136016	544064	282768	3.95
77 Perylene-d12	222542	111271	445084	236979	6.49

COMPOUND	STANDARD	RT LIMIT		SAMPLE	%DIFF
		LOWER	UPPER		
8 1,4-Dichlorobenze	8.71	8.21	9.21	8.71	-0.04
27 Naphthalene-d8	10.75	10.25	11.25	10.75	-0.03
42 Acenaphthene-d10	13.62	13.12	14.12	13.63	0.02
59 Phenanthrene-d10	16.02	15.52	16.52	16.02	0.01
69 Chrysene-d12	20.36	19.86	20.86	20.36	-0.04
134 Di-n-octylphthala	21.43	20.93	21.93	21.43	-0.01
77 Perylene-d12	22.55	22.05	23.05	22.55	-0.01

AREA UPPER LIMIT = +100% of internal standard area.
 AREA LOWER LIMIT = - 50% of internal standard area.
 RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
 RT LOWER LIMIT = - 0.50 minutes of internal standard RT.

REVIEW SUMMARY FOR FILE - NT622051605.D

Lab ID: SKE0212-CAL3

nt6.i, SW84620220516.m, 16-MAY-2022 19:25

RT CO-ELUTION COMPOUNDS

13.370 Acenaphthylene and 2,6-Dinitrotoluene

Quant Method: ICAL

No RRT check performed

On Column LOD for nt6.i, SW84620220516.m, ICALA.sub = 0.0100

* Only compounds listed in the work order have been verified by the analyst *

Data File: \\target\share\chem3\nt6.1\20220516.b\N1622051606.D

Date: 16-May-2022 19:59

Client ID:

Sample Info: IC40220516,

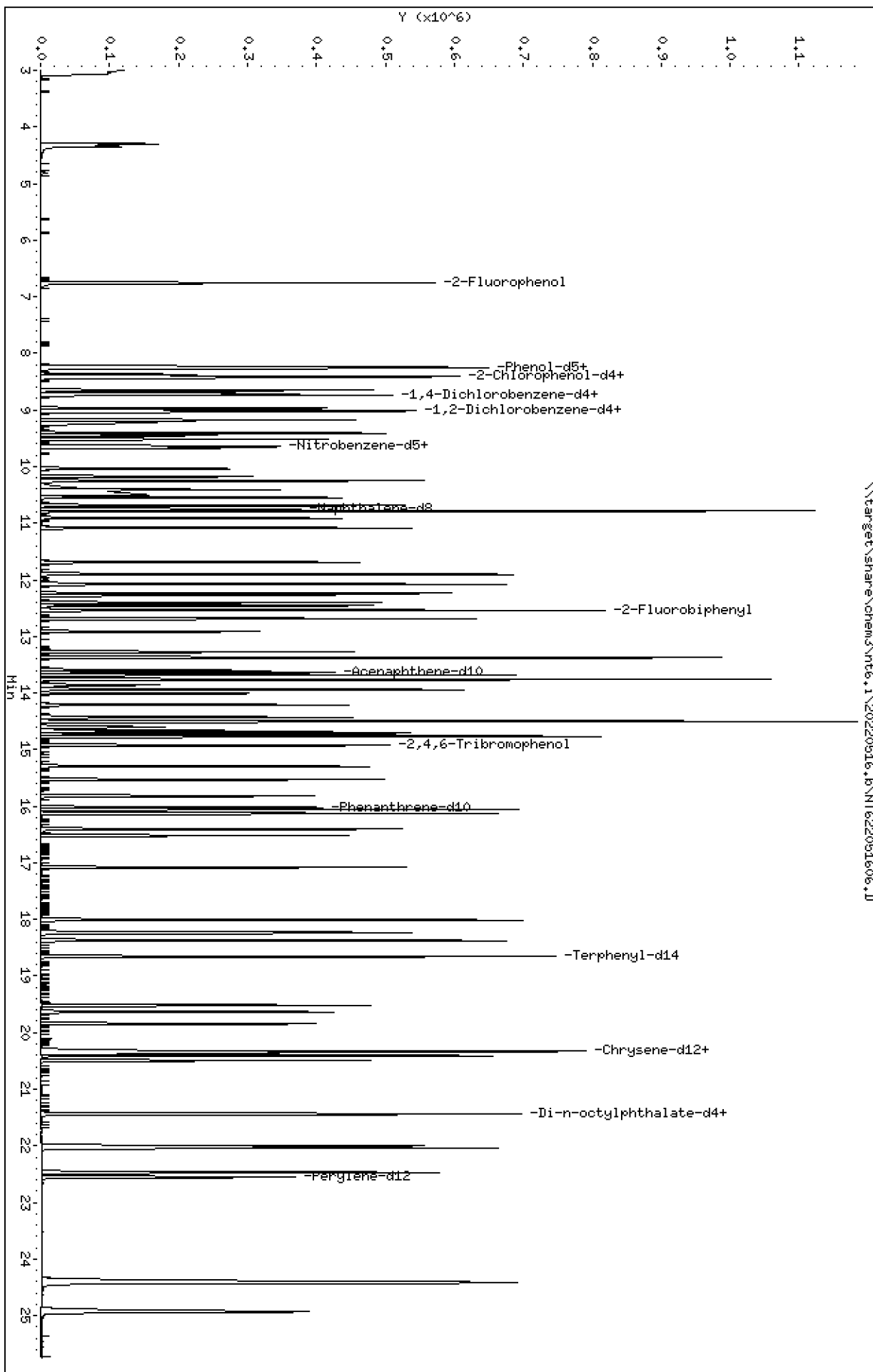
Column phase: ZB-5msi

Instrument: nt6.1

Operator: JZ

Column diameter: 0.32

Page 1



ARI Labs, Inc.

Semivolatile Report SW846 Method 8270D

Data file : \\target\share\chem3\nt6.i\20220516.b\NT622051606.D
 Lab Smp Id: SKE0212-CAL5
 Inj Date : 16-MAY-2022 19:59
 Operator : JZ Inst ID: nt6.i
 Smp Info : IC40220516,
 Misc Info : 22-
 Comment : 1ul Injection
 Method : \\target\share\chem3\nt6.i\20220516.b\SW84620220516.m
 Meth Date : 16-May-2022 23:15 jianqing Quant Type: ISTD
 Cal Date : 16-MAY-2022 18:52 Cal File: NT622051604.D
 Als bottle: 6 Calibration Sample, Level: 5
 Dil Factor: 1.00000
 Integrator: HP RTE Compound Sublist: ICALA.sub
 Target Version: 4.14
 Processing Host: JIANQING-202105

Compounds	QUANT	SIG	RT	EXP RT	REL RT	RESPONSE	AMOUNTS	
							CAL-AMT	ON-COL
	MASS						(ug/mL)	(ug/mL)
\$ 1 2-Fluorophenol	112		6.754	6.748	(0.776)	256857	60.0000	64.34
\$ 2 Phenol-d5	99		8.239	8.217	(0.946)	292668	60.0000	64.08
3 Phenol	94		8.255	8.239	(0.948)	191085	40.0000	36.00
\$ 5 2-Chlorophenol-d4	132		8.410	8.398	(0.966)	261801	60.0000	63.42
4 Bis(2-Chloroethyl)ether	93		8.372	8.361	(0.961)	122955	40.0000	38.38
6 2-Chlorophenol	128		8.431	8.426	(0.968)	154321	40.0000	35.61
7 1,3-Dichlorobenzene	146		8.650	8.650	(0.993)	170233	40.0000	37.80
* 8 1,4-Dichlorobenzene-d4	152		8.709	8.709	(1.000)	73865	20.0000	
9 1,4-Dichlorobenzene	146		8.736	8.730	(1.003)	166754	40.0000	37.96
\$ 10 1,2-Dichlorobenzene-d4	152		9.008	9.008	(1.034)	123985	40.0000	41.97
12 1,2-Dichlorobenzene	146		9.029	9.029	(1.037)	157820	40.0000	37.84
11 Benzyl alcohol	108		8.971	8.960	(1.030)	98836	40.0000	39.87
14 2,2'-oxybis(1-Chloropropane)	45		9.222	9.216	(1.059)	93319	40.0000	37.95
13 2-Methylphenol	108		9.179	9.173	(1.054)	129399	40.0000	35.99
17 Hexachloroethane	117		9.515	9.515	(1.093)	67544	40.0000	38.13
16 N-Nitroso-di-n-propylamine	70		9.451	9.435	(1.085)	91923	40.0000	38.28
15 4-Methylphenol	108		9.409	9.398	(1.080)	139641	40.0000	36.41
\$ 18 Nitrobenzene-d5	82		9.638	9.627	(0.896)	168586	40.0000	42.33
19 Nitrobenzene	77		9.665	9.654	(0.899)	141616	40.0000	37.45
20 Isophorone	82		10.039	10.028	(0.933)	182759	40.0000	38.12
21 2-Nitrophenol	139		10.172	10.172	(0.946)	85972	40.0000	36.74
22 2,4-Dimethylphenol	107		10.247	10.242	(0.953)	156476	40.0000	35.57
23 Bis(2-Chloroethoxy)methane	93		10.407	10.402	(0.968)	129945	40.0000	37.97
24 Benzoic acid	105		10.498	10.370	(0.976)	220934	80.0000	78.69
25 2,4-Dichlorophenol	162		10.546	10.535	(0.981)	129253	40.0000	36.06
26 1,2,4-Trichlorobenzene	180		10.691	10.685	(0.994)	151433	40.0000	37.07
* 27 Naphthalene-d8	136		10.755	10.749	(1.000)	259337	20.0000	
28 Naphthalene	128		10.787	10.781	(1.003)	404382	40.0000	37.10
29 4-Chloroaniline	127		10.909	10.904	(1.014)	172500	40.0000	38.50
30 Hexachlorobutadiene	225		11.086	11.080	(1.031)	98616	40.0000	37.42
31 4-Chloro-3-methylphenol	107		11.689	11.684	(1.087)	131312	40.0000	36.37
32 2-Methylnaphthalene	141		11.903	11.897	(1.107)	235679	40.0000	37.86
33 Hexachlorocyclopentadiene	237		12.277	12.271	(0.901)	111312	40.0000	40.94

Compounds	QUANT SIG					AMOUNTS	
	MASS	RT	EXP RT	REL RT	RESPONSE	CAL-AMT (ug/mL)	ON-COL (ug/mL)
34 2,4,6-Trichlorophenol	196	12.405	12.399	(0.910)	104013	40.0000	37.05
35 2,4,5-Trichlorophenol	196	12.458	12.453	(0.914)	110414	40.0000	36.94
\$ 36 2-Fluorobiphenyl	172	12.539	12.533	(0.920)	379860	40.0000	41.54
37 2-Chloronaphthalene	162	12.688	12.682	(0.931)	273027	40.0000	37.50
38 2-Nitroaniline	65	12.918	12.907	(0.948)	70757	40.0000	38.45
39 Dimethylphthalate	163	13.276	13.265	(0.974)	298378	40.0000	37.45
40 Acenaphthylene	152	13.377	13.371	(0.982)	439897	40.0000	37.27
41 2,6-Dinitrotoluene	165	13.377	13.371	(0.982)	71242	40.0000	39.23
* 42 Acenaphthene-d10	164	13.628	13.622	(1.000)	150319	20.0000	
43 3-Nitroaniline	138	13.596	13.580	(0.998)	69937	40.0000	39.43
44 Acenaphthene	153	13.676	13.670	(1.004)	261020	40.0000	37.30
45 2,4-Dinitrophenol	184	13.762	13.751	(1.010)	90380	80.0000	78.04
46 Dibenzofuran	168	13.938	13.932	(1.023)	382744	40.0000	37.84
47 4-Nitrophenol	109	13.858	13.847	(1.017)	49837	40.0000	38.88
48 2,4-Dinitrotoluene	165	14.013	13.996	(1.028)	92197	40.0000	39.34
50 Diethylphthalate	149	14.429	14.413	(1.059)	288777	40.0000	37.53
49 Fluorene	166	14.499	14.493	(1.064)	304077	40.0000	37.58
51 4-Chlorophenyl-phenylether	204	14.504	14.498	(1.064)	169487	40.0000	37.33
52 4-Nitroaniline	138	14.606	14.584	(1.072)	61388	40.0000	38.28
53 4,6-Dinitro-2-methylphenol	198	14.675	14.659	(0.916)	114606	80.0000	77.44
54 N-Nitrosodiphenylamine	169	14.712	14.701	(0.918)	216185	40.0000	36.90
\$ 55 2,4,6-Tribromophenol	330	14.926	14.915	(1.095)	84692	60.0000	66.22
56 4-Bromophenyl-phenylether	248	15.295	15.289	(0.955)	95358	40.0000	37.56
57 Hexachlorobenzene	284	15.530	15.524	(0.969)	101668	40.0000	36.79
58 Pentachlorophenol	266	15.823	15.812	(0.988)	68052	40.0000	36.87
* 59 Phenanthrene-d10	188	16.021	16.015	(1.000)	270288	20.0000	
60 Phenanthrene	178	16.058	16.053	(1.002)	404668	40.0000	36.32
61 Anthracene	178	16.128	16.122	(1.007)	411842	40.0000	36.96
62 Carbazole	167	16.405	16.393	(1.024)	339144	40.0000	35.40
63 Di-n-butylphthalate	149	17.078	17.073	(1.066)	439430	40.0000	36.63
64 Fluoranthene	202	18.008	18.002	(1.124)	461159	40.0000	36.62
65 Pyrene	202	18.371	18.365	(0.902)	451436	40.0000	38.05
\$ 66 Terphenyl-d14	244	18.654	18.648	(0.916)	400862	40.0000	44.63
67 Butylbenzylphthalate	149	19.519	19.514	(0.959)	183828	40.0000	39.58
68 Benzo(a)anthracene	228	20.336	20.325	(0.999)	388204	40.0000	37.05
* 69 Chrysene-d12	240	20.363	20.357	(1.000)	188950	20.0000	
70 3,3'-Dichlorobenzidine	252	20.326	20.320	(0.998)	103846	40.0000	33.09
71 Chrysene	228	20.406	20.395	(1.002)	355941	40.0000	36.98
72 bis(2-Ethylhexyl)phthalate	149	20.491	20.491	(0.956)	233976	40.0000	38.24
* 134 Di-n-octylphthalate-d4	153	21.431	21.426	(1.000)	264477	20.0000	
73 Di-n-octylphthalate	149	21.442	21.436	(1.000)	410414	40.0000	37.18
74 Benzo(b)fluoranthene	252	22.003	21.992	(0.976)	392489	40.0000	36.48
75 Benzo(k)fluoranthene	252	22.040	22.024	(0.977)	422144	40.0000	39.16
187 Total Benzofluoranthenes	252	22.040	21.992	(0.977)	775804	80.0000	75.78
76 Benzo(a)pyrene	252	22.473	22.462	(0.996)	384750	40.0000	38.11
* 77 Perylene-d12	264	22.553	22.553	(1.000)	217916	20.0000	
78 Indeno(1,2,3-cd)pyrene	276	24.396	24.374	(1.082)	568339	40.0000	38.52
79 Dibenzo(a,h)anthracene	278	24.422	24.395	(1.083)	477242	40.0000	38.66
80 Benzo(g,h,i)perylene	276	24.935	24.897	(1.106)	490037	40.0000	38.72
90 N-Nitrosodimethylamine	74	4.345	4.340	(0.499)	73775	40.0000	39.58
103 Pyridine	79	4.303	4.317	(0.494)	135155	40.0000	38.52
91 Aniline	93	8.266	8.260	(0.949)	210567	40.0000	38.57
105 1-methylnaphthalene	141	12.079	12.074	(1.123)	228341	40.0000	38.87
93 Benzidine	184	18.243	18.237	(0.896)	262392	80.0000	82.37

Compounds	QUANT SIG		AMOUNTS					
	MASS		RT	EXP RT	REL RT	RESPONSE	CAL-AMT (ug/mL)	ON-COL (ug/mL)
111 Azobenzene (1,2-DP-Hydrazine)	77		14.766	14.755	(0.922)	249901	40.0000	36.32
144 alpha-Terpineol	59		10.787	10.776	(1.003)	85144	40.0000	37.98
133 Butylatedhydroxytoluene	205		13.762	13.756	(1.010)	290680	40.0000	36.44
115 Tributyl Phosphate	99		14.771	14.760	(0.922)	279698	40.0000	36.03
116 Dibutyl Phenyl Phosphate	175		16.518	16.512	(1.031)	209994	40.0000	36.27
117 Butyl Diphenyl Phosphate	94		18.227	18.221	(0.895)	59945	40.0000	39.21
118 Triphenyl Phosphate	326		19.845	19.839	(0.975)	70483	40.0000	37.74
120 2,3,4,6-Tetrachlorophenol	232		14.210	14.205	(1.043)	84287	40.0000	36.88
151 1,2,4,5-Tetrachlorobenzene	216		12.239	12.239	(0.898)	155942	40.0000	37.80

ARI Labs, Inc.

INTERNAL STANDARD COMPOUNDS
 AREA AND RT SUMMARY

Instrument ID: nt6.i Calibration Date: 16-MAY-2022
 Lab File ID: NT622051606.D Calibration Time: 17:11
 Lab Smp Id: SKE0212-CAL5
 Analysis Type: SV Level:
 Quant Type: ISTD Sample Type:
 Operator: JZ
 Method File: \\target\share\chem3\nt6.i\20220516.b\SW84620220516.m
 Misc Info: 22-

Test Mode: Use Initial Calibration Level 4.

COMPOUND	STANDARD	AREA LIMIT		SAMPLE	%DIFF
		LOWER	UPPER		
8 1,4-Dichlorobenze	71723	35862	143446	73865	2.99
27 Naphthalene-d8	255203	127602	510406	259337	1.62
42 Acenaphthene-d10	144799	72400	289598	150319	3.81
59 Phenanthrene-d10	257295	128648	514590	270288	5.05
69 Chrysene-d12	195882	97941	391764	188950	-3.54
134 Di-n-octylphthala	272032	136016	544064	264477	-2.78
77 Perylene-d12	222542	111271	445084	217916	-2.08

COMPOUND	STANDARD	RT LIMIT		SAMPLE	%DIFF
		LOWER	UPPER		
8 1,4-Dichlorobenze	8.71	8.21	9.21	8.71	-0.00
27 Naphthalene-d8	10.75	10.25	11.25	10.76	0.05
42 Acenaphthene-d10	13.62	13.12	14.12	13.63	0.04
59 Phenanthrene-d10	16.02	15.52	16.52	16.02	0.03
69 Chrysene-d12	20.36	19.86	20.86	20.36	-0.00
134 Di-n-octylphthala	21.43	20.93	21.93	21.43	-0.00
77 Perylene-d12	22.55	22.05	23.05	22.55	-0.00

AREA UPPER LIMIT = +100% of internal standard area.
 AREA LOWER LIMIT = - 50% of internal standard area.
 RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
 RT LOWER LIMIT = - 0.50 minutes of internal standard RT.

REVIEW SUMMARY FOR FILE - NT622051606.D

Lab ID: SKE0212-CAL5

nt6.i, SW84620220516.m, 16-MAY-2022 19:59

RT	CO-ELUTION COMPOUNDS
13.762	Butylatedhydroxytoluene and 2,4-Dinitrophenol
13.378	Acenaphthylene and 2,6-Dinitrotoluene

Quant Method: ICAL

No RRT check performed

On Column LOD for nt6.i, SW84620220516.m, ICALA.sub = 0.0100

* Only compounds listed in the work order have been verified by the analyst *

Data File: \\target\share\chem3\nt6.1\20220516.b\NT622051607.D

Date: 16-May-2022 20:33

Client ID:

Sample Info: IC60220516,

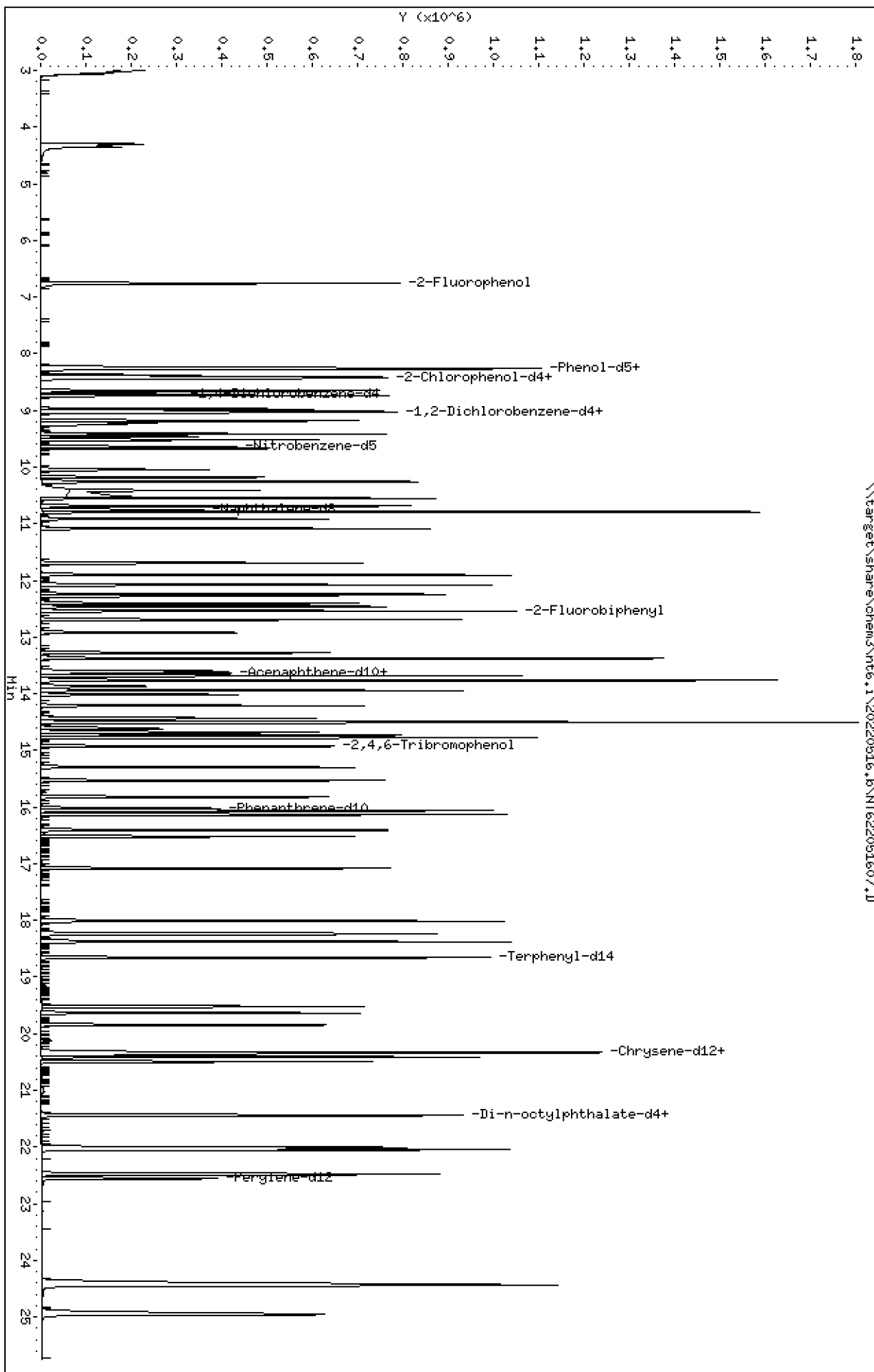
Column phase: ZB-5msi

Instrument: nt6.1

Operator: JZ

Column diameter: 0.32

Page 1



ARI Labs, Inc.

Semivolatile Report SW846 Method 8270D

Data file : \\target\share\chem3\nt6.i\20220516.b\NT622051607.D
 Lab Smp Id: SKE0212-CAL6
 Inj Date : 16-MAY-2022 20:33
 Operator : JZ Inst ID: nt6.i
 Smp Info : IC60220516,
 Misc Info : 22-
 Comment : 1ul Injection
 Method : \\target\share\chem3\nt6.i\20220516.b\SW84620220516.m
 Meth Date : 16-May-2022 23:15 jianqing Quant Type: ISTD
 Cal Date : 16-MAY-2022 18:52 Cal File: NT622051604.D
 Als bottle: 7 Calibration Sample, Level: 6
 Dil Factor: 1.00000
 Integrator: HP RTE Compound Sublist: ICALA.sub
 Target Version: 4.14
 Processing Host: JIANQING-202105

Compounds	QUANT	SIG	RT	EXP RT	REL RT	RESPONSE	AMOUNTS	
							CAL-AMT	ON-COL
	MASS						(ug/mL)	(ug/mL)
1 2-Fluorophenol	112		6.760	6.748	(0.776)	356969	90.0000	88.78
2 Phenol-d5	99		8.250	8.217	(0.947)	403596	90.0000	87.75
3 Phenol	94		8.266	8.239	(0.949)	307405	60.0000	57.50
5 2-Chlorophenol-d4	132		8.410	8.398	(0.966)	358027	90.0000	86.12
4 Bis(2-Chloroethyl)ether	93		8.378	8.361	(0.962)	192021	60.0000	59.52
6 2-Chlorophenol	128		8.437	8.426	(0.969)	248378	60.0000	56.90
7 1,3-Dichlorobenzene	146		8.656	8.650	(0.994)	265685	60.0000	58.58
* 8 1,4-Dichlorobenzene-d4	152		8.709	8.709	(1.000)	74390	20.0000	
9 1,4-Dichlorobenzene	146		8.736	8.730	(1.003)	258641	60.0000	58.47
\$ 10 1,2-Dichlorobenzene-d4	152		9.014	9.008	(1.035)	173728	60.0000	58.39
12 1,2-Dichlorobenzene	146		9.035	9.029	(1.037)	244772	60.0000	58.27
11 Benzyl alcohol	108		8.982	8.960	(1.031)	151815	60.0000	60.80
14 2,2'-oxybis(1-Chloropropane)	45		9.227	9.216	(1.059)	144672	60.0000	58.41
13 2-Methylphenol	108		9.185	9.173	(1.055)	206201	60.0000	56.95
17 Hexachloroethane	117		9.516	9.515	(1.093)	102018	60.0000	57.18
16 N-Nitroso-di-n-propylamine	70		9.457	9.435	(1.086)	139672	60.0000	57.75
15 4-Methylphenol	108		9.420	9.398	(1.082)	222492	60.0000	57.61
\$ 18 Nitrobenzene-d5	82		9.644	9.627	(0.897)	227589	60.0000	57.72
19 Nitrobenzene	77		9.671	9.654	(0.899)	215084	60.0000	57.44
20 Isophorone	82		10.050	10.028	(0.934)	277526	60.0000	58.46
21 2-Nitrophenol	139		10.178	10.172	(0.946)	137801	60.0000	59.48
22 2,4-Dimethylphenol	107		10.258	10.242	(0.954)	250721	60.0000	57.56
23 Bis(2-Chloroethoxy)methane	93		10.413	10.402	(0.968)	196250	60.0000	57.92
24 Benzoic acid	105		10.552	10.370	(0.981)	363345	120.0000	130.7
25 2,4-Dichlorophenol	162		10.552	10.535	(0.981)	206948	60.0000	58.30
26 1,2,4-Trichlorobenzene	180		10.691	10.685	(0.994)	235753	60.0000	58.29
* 27 Naphthalene-d8	136		10.755	10.749	(1.000)	256785	20.0000	
28 Naphthalene	128		10.787	10.781	(1.003)	609954	60.0000	56.51
29 4-Chloroaniline	127		10.915	10.904	(1.015)	262811	60.0000	59.25
30 Hexachlorobutadiene	225		11.086	11.080	(1.031)	154414	60.0000	59.18
31 4-Chloro-3-methylphenol	107		11.695	11.684	(1.087)	207938	60.0000	58.17
32 2-Methylnaphthalene	141		11.903	11.897	(1.107)	365252	60.0000	59.26
33 Hexachlorocyclopentadiene	237		12.277	12.271	(0.901)	170854	60.0000	62.53

Compounds	QUANT SIG					AMOUNTS	
	MASS	RT	EXP RT	REL RT	RESPONSE	CAL-AMT (ug/mL)	ON-COL (ug/mL)
34 2,4,6-Trichlorophenol	196	12.411	12.399	(0.911)	168166	60.0000	59.62
35 2,4,5-Trichlorophenol	196	12.464	12.453	(0.915)	173449	60.0000	57.74
\$ 36 2-Fluorobiphenyl	172	12.539	12.533	(0.920)	506916	60.0000	55.16
37 2-Chloronaphthalene	162	12.694	12.682	(0.931)	416712	60.0000	56.96
38 2-Nitroaniline	65	12.918	12.907	(0.948)	108685	60.0000	58.77
39 Dimethylphthalate	163	13.281	13.265	(0.975)	445884	60.0000	55.69
40 Acenaphthylene	152	13.377	13.371	(0.982)	659440	60.0000	55.59
41 2,6-Dinitrotoluene	165	13.383	13.371	(0.982)	109234	60.0000	59.85
* 42 Acenaphthene-d10	164	13.629	13.622	(1.000)	151055	20.0000	
43 3-Nitroaniline	138	13.602	13.580	(0.998)	107427	60.0000	60.28
44 Acenaphthene	153	13.682	13.670	(1.004)	399798	60.0000	56.85
45 2,4-Dinitrophenol	184	13.773	13.751	(1.011)	155158	120.0000	121.8
46 Dibenzofuran	168	13.944	13.932	(1.023)	579959	60.0000	57.06
47 4-Nitrophenol	109	13.869	13.847	(1.018)	70701	60.0000	54.89
48 2,4-Dinitrotoluene	165	14.018	13.996	(1.029)	141701	60.0000	60.16
50 Diethylphthalate	149	14.435	14.413	(1.059)	436512	60.0000	56.45
49 Fluorene	166	14.504	14.493	(1.064)	463246	60.0000	56.98
51 4-Chlorophenyl-phenylether	204	14.510	14.498	(1.065)	264868	60.0000	58.05
52 4-Nitroaniline	138	14.617	14.584	(1.072)	94939	60.0000	58.91
53 4,6-Dinitro-2-methylphenol	198	14.681	14.659	(0.916)	188839	120.0000	128.0
54 N-Nitrosodiphenylamine	169	14.723	14.701	(0.919)	322832	60.0000	55.28
\$ 55 2,4,6-Tribromophenol	330	14.932	14.915	(1.096)	113243	90.0000	88.11
56 4-Bromophenyl-phenylether	248	15.300	15.289	(0.955)	147435	60.0000	58.25
57 Hexachlorobenzene	284	15.535	15.524	(0.970)	159636	60.0000	57.95
58 Pentachlorophenol	266	15.824	15.812	(0.988)	112092	60.0000	60.92
* 59 Phenanthrene-d10	188	16.021	16.015	(1.000)	269444	20.0000	
60 Phenanthrene	178	16.064	16.053	(1.003)	625816	60.0000	56.35
61 Anthracene	178	16.133	16.122	(1.007)	621463	60.0000	55.94
62 Carbazole	167	16.411	16.393	(1.024)	541607	60.0000	56.71
63 Di-n-butylphthalate	149	17.084	17.073	(1.066)	663674	60.0000	55.50
64 Fluoranthene	202	18.014	18.002	(1.124)	714588	60.0000	56.93
65 Pyrene	202	18.377	18.365	(0.902)	708495	60.0000	57.55
\$ 66 Terphenyl-d14	244	18.660	18.648	(0.916)	555711	60.0000	59.62
67 Butylbenzylphthalate	149	19.525	19.514	(0.959)	287252	60.0000	59.60
68 Benzo(a)anthracene	228	20.337	20.325	(0.998)	640932	60.0000	58.95
* 69 Chrysene-d12	240	20.369	20.357	(1.000)	196077	20.0000	
70 3,3'-Dichlorobenzidine	252	20.332	20.320	(0.998)	186976	60.0000	57.42
71 Chrysene	228	20.412	20.395	(1.002)	581708	60.0000	58.24
72 bis(2-Ethylhexyl)phthalate	149	20.492	20.491	(0.956)	370485	60.0000	57.45
* 134 Di-n-octylphthalate-d4	153	21.432	21.426	(1.000)	278736	20.0000	
73 Di-n-octylphthalate	149	21.442	21.436	(1.000)	649215	60.0000	55.81
74 Benzo(b)fluoranthene	252	22.009	21.992	(0.976)	702804	60.0000	60.72
75 Benzo(k)fluoranthene	252	22.051	22.024	(0.978)	640519	60.0000	55.23
187 Total Benzofluoranthenes	252	22.051	21.992	(0.978)	1277137	120.0000	115.9
76 Benzo(a)pyrene	252	22.479	22.462	(0.996)	642131	60.0000	59.12
* 77 Perylene-d12	264	22.559	22.553	(1.000)	234465	20.0000	
78 Indeno(1,2,3-cd)pyrene	276	24.417	24.374	(1.082)	986852	60.0000	62.16
79 Dibenzo(a,h)anthracene	278	24.444	24.395	(1.084)	819290	60.0000	61.69
80 Benzo(g,h,i)perylene	276	24.957	24.897	(1.106)	835496	60.0000	61.36
90 N-Nitrosodimethylamine	74	4.351	4.340	(0.500)	115257	60.0000	61.40
103 Pyridine	79	4.298	4.317	(0.493)	221691	60.0000	62.75
91 Aniline	93	8.271	8.260	(0.950)	331922	60.0000	60.38
105 1-methylnaphthalene	141	12.080	12.074	(1.123)	342037	60.0000	58.80
93 Benzidine	184	18.249	18.237	(0.896)	423923	120.0000	128.2

Compounds	QUANT SIG						AMOUNTS	
	MASS		RT	EXP RT	REL RT	RESPONSE	CAL-AMT (ug/mL)	ON-COL (ug/mL)
=====	=====		=====	=====	=====	=====	=====	=====
111 Azobenzene (1,2-DP-Hydrazine)	77		14.766	14.755	(0.922)	374480	60.0000	54.59
144 alpha-Terpineol	59		10.792	10.776	(1.003)	127800	60.0000	57.57
133 Butylatedhydroxytoluene	205		13.767	13.756	(1.010)	453147	60.0000	56.52
115 Tributyl Phosphate	99		14.782	14.760	(0.923)	435356	60.0000	56.26
116 Dibutyl Phenyl Phosphate	175		16.523	16.512	(1.031)	332132	60.0000	57.55
117 Butyl Diphenyl Phosphate	94		18.227	18.221	(0.895)	96614	60.0000	60.90
118 Triphenyl Phosphate	326		19.851	19.839	(0.975)	115675	60.0000	59.69
120 2,3,4,6-Tetrachlorophenol	232		14.211	14.205	(1.043)	140086	60.0000	61.00
151 1,2,4,5-Tetrachlorobenzene	216		12.245	12.239	(0.899)	236906	60.0000	57.14

ARI Labs, Inc.

INTERNAL STANDARD COMPOUNDS
 AREA AND RT SUMMARY

Instrument ID: nt6.i Calibration Date: 16-MAY-2022
 Lab File ID: NT622051607.D Calibration Time: 17:11
 Lab Smp Id: SKE0212-CAL6
 Analysis Type: SV Level:
 Quant Type: ISTD Sample Type:
 Operator: JZ
 Method File: \\target\share\chem3\nt6.i\20220516.b\SW84620220516.m
 Misc Info: 22-

Test Mode: Use Initial Calibration Level 4.

COMPOUND	STANDARD	AREA LIMIT		SAMPLE	%DIFF
		LOWER	UPPER		
8 1,4-Dichlorobenze	71723	35862	143446	74390	3.72
27 Naphthalene-d8	255203	127602	510406	256785	0.62
42 Acenaphthene-d10	144799	72400	289598	151055	4.32
59 Phenanthrene-d10	257295	128648	514590	269444	4.72
69 Chrysene-d12	195882	97941	391764	196077	0.10
134 Di-n-octylphthala	272032	136016	544064	278736	2.46
77 Perylene-d12	222542	111271	445084	234465	5.36

COMPOUND	STANDARD	RT LIMIT		SAMPLE	%DIFF
		LOWER	UPPER		
8 1,4-Dichlorobenze	8.71	8.21	9.21	8.71	0.00
27 Naphthalene-d8	10.75	10.25	11.25	10.76	0.05
42 Acenaphthene-d10	13.62	13.12	14.12	13.63	0.04
59 Phenanthrene-d10	16.02	15.52	16.52	16.02	0.03
69 Chrysene-d12	20.36	19.86	20.86	20.37	0.03
134 Di-n-octylphthala	21.43	20.93	21.93	21.43	0.00
77 Perylene-d12	22.55	22.05	23.05	22.56	0.02

AREA UPPER LIMIT = +100% of internal standard area.
 AREA LOWER LIMIT = - 50% of internal standard area.
 RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
 RT LOWER LIMIT = - 0.50 minutes of internal standard RT.

REVIEW SUMMARY FOR FILE - NT622051607.D

Lab ID: SKE0212-CAL6
nt6.i, SW84620220516.m, 16-MAY-2022 20:33

RT CO-ELUTION COMPOUNDS

NO CO-ELUTIONS

Quant Method: ICAL

No RRT check performed

On Column LOD for nt6.i, SW84620220516.m, ICALA.sub = 0.0100

* Only compounds listed in the work order have been verified by the analyst *

Data File: \\target\share\chem3\nt6.1\20220516.b\N1622051608.D

Date: 16-May-2022 21:06

Client ID:

Sample Info: IC80220516,

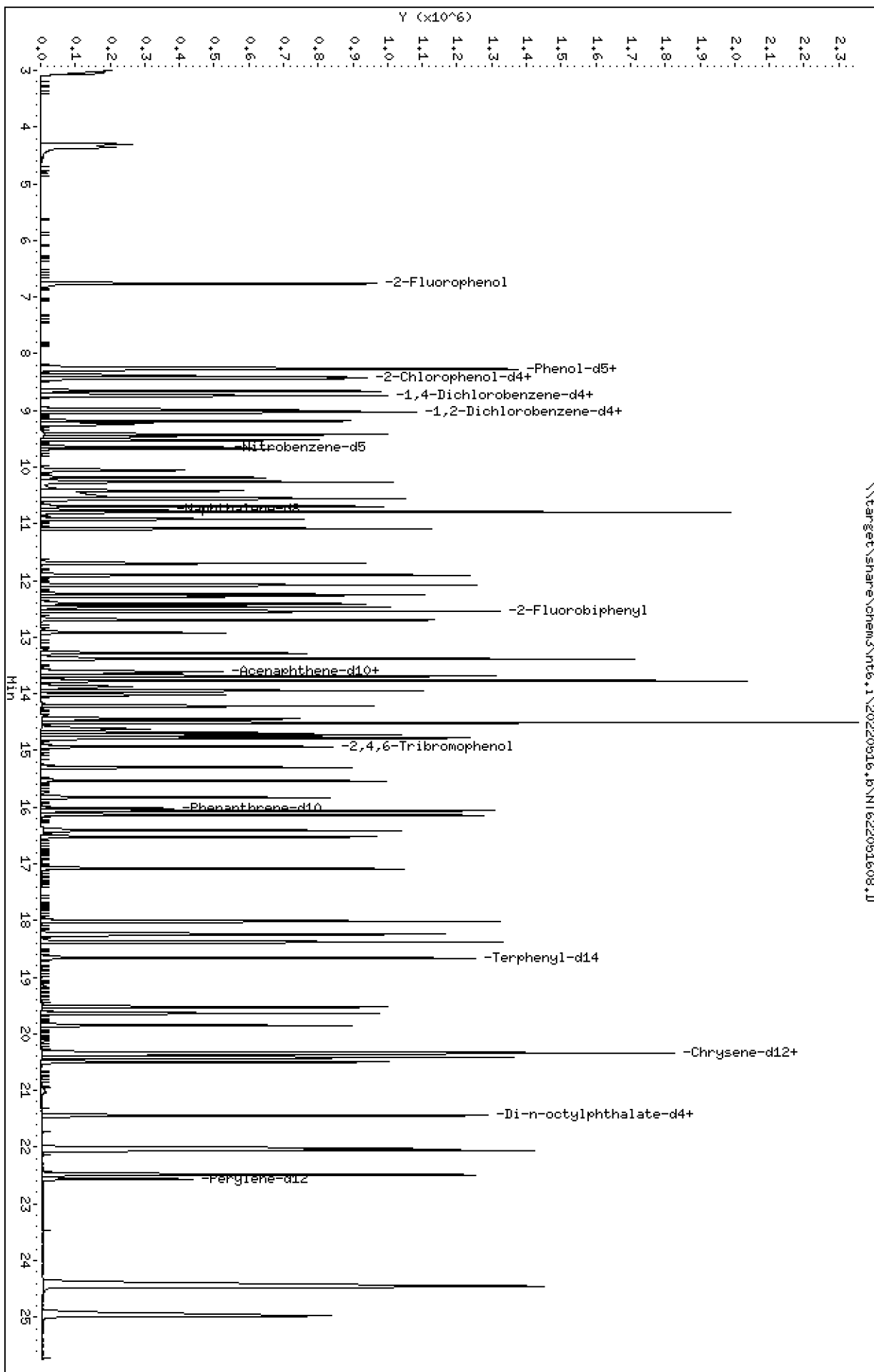
Column phase: ZB-5msi

Instrument: nt6.1

Operator: JZ

Column diameter: 0.32

Page 1



ARI Labs, Inc.

Semivolatile Report SW846 Method 8270D

Data file : \\target\share\chem3\nt6.i\20220516.b\NT622051608.D
 Lab Smp Id: SKE0212-CAL7
 Inj Date : 16-MAY-2022 21:06
 Operator : JZ Inst ID: nt6.i
 Smp Info : IC80220516,
 Misc Info : 22-
 Comment : 1ul Injection
 Method : \\target\share\chem3\nt6.i\20220516.b\SW84620220516.m
 Meth Date : 16-May-2022 23:15 jianqing Quant Type: ISTD
 Cal Date : 16-MAY-2022 18:52 Cal File: NT622051604.D
 Als bottle: 8 Calibration Sample, Level: 7
 Dil Factor: 1.00000
 Integrator: HP RTE Compound Sublist: ICALA.sub
 Target Version: 4.14
 Processing Host: JIANQING-202105

Compounds	QUANT	SIG	RT	EXP RT	REL RT	RESPONSE	AMOUNTS	
							CAL-AMT	ON-COL
	MASS						(ug/mL)	(ug/mL)
\$ 1 2-Fluorophenol	112		6.761	6.748	(0.776)	463270	120.000	117.1
\$ 2 Phenol-d5	99		8.251	8.217	(0.947)	521403	120.000	115.2
3 Phenol	94		8.273	8.239	(0.949)	410873	80.0000	78.11
\$ 5 2-Chlorophenol-d4	132		8.417	8.398	(0.966)	460946	120.000	112.7
4 Bis(2-Chloroethyl)ether	93		8.380	8.361	(0.961)	249334	80.0000	78.55
6 2-Chlorophenol	128		8.444	8.426	(0.969)	331522	80.0000	77.19
7 1,3-Dichlorobenzene	146		8.657	8.650	(0.993)	350701	80.0000	78.59
* 8 1,4-Dichlorobenzene-d4	152		8.716	8.709	(1.000)	73198	20.0000	
9 1,4-Dichlorobenzene	146		8.743	8.730	(1.003)	336868	80.0000	77.39
\$ 10 1,2-Dichlorobenzene-d4	152		9.015	9.008	(1.034)	225021	80.0000	76.86
12 1,2-Dichlorobenzene	146		9.037	9.029	(1.037)	318574	80.0000	77.08
11 Benzyl alcohol	108		8.988	8.960	(1.031)	194234	80.0000	79.06
14 2,2'-oxybis(1-Chloropropane)	45		9.229	9.216	(1.059)	189711	80.0000	77.85
13 2-Methylphenol	108		9.186	9.173	(1.054)	277634	80.0000	77.93
17 Hexachloroethane	117		9.517	9.515	(1.092)	134843	80.0000	76.81
16 N-Nitroso-di-n-propylamine	70		9.469	9.435	(1.086)	181195	80.0000	76.14
15 4-Methylphenol	108		9.426	9.398	(1.081)	296223	80.0000	77.95
\$ 18 Nitrobenzene-d5	82		9.645	9.627	(0.897)	295495	80.0000	76.37
19 Nitrobenzene	77		9.677	9.654	(0.900)	278390	80.0000	75.76
20 Isophorone	82		10.057	10.028	(0.935)	365151	80.0000	78.39
21 2-Nitrophenol	139		10.185	10.172	(0.947)	185415	80.0000	81.55
22 2,4-Dimethylphenol	107		10.260	10.242	(0.954)	330744	80.0000	77.38
23 Bis(2-Chloroethoxy)methane	93		10.420	10.402	(0.969)	255284	80.0000	76.78
24 Benzoic acid	105		10.580	10.370	(0.984)	516339	160.000	189.3
25 2,4-Dichlorophenol	162		10.559	10.535	(0.982)	274688	80.0000	78.87
26 1,2,4-Trichlorobenzene	180		10.692	10.685	(0.994)	306186	80.0000	77.15
* 27 Naphthalene-d8	136		10.756	10.749	(1.000)	251973	20.0000	
28 Naphthalene	128		10.794	10.781	(1.003)	780010	80.0000	73.65
29 4-Chloroaniline	127		10.922	10.904	(1.015)	336257	80.0000	77.25
30 Hexachlorobutadiene	225		11.088	11.080	(1.031)	205058	80.0000	80.08
31 4-Chloro-3-methylphenol	107		11.702	11.684	(1.088)	277460	80.0000	79.10
32 2-Methylnaphthalene	141		11.910	11.897	(1.107)	461897	80.0000	76.38
33 Hexachlorocyclopentadiene	237		12.279	12.271	(0.901)	222039	80.0000	83.91

Compounds	QUANT SIG					AMOUNTS	
	MASS	RT	EXP RT	REL RT	RESPONSE	CAL-AMT (ug/mL)	ON-COL (ug/mL)
34 2,4,6-Trichlorophenol	196	12.412	12.399	(0.911)	227256	80.0000	83.19
35 2,4,5-Trichlorophenol	196	12.466	12.453	(0.915)	230056	80.0000	79.08
\$ 36 2-Fluorobiphenyl	172	12.546	12.533	(0.920)	644008	80.0000	72.36
37 2-Chloronaphthalene	162	12.695	12.682	(0.931)	533745	80.0000	75.33
38 2-Nitroaniline	65	12.925	12.907	(0.948)	138434	80.0000	77.29
39 Dimethylphthalate	163	13.283	13.265	(0.975)	582429	80.0000	75.12
40 Acenaphthylene	152	13.384	13.371	(0.982)	836447	80.0000	72.81
41 2,6-Dinitrotoluene	165	13.390	13.371	(0.982)	143189	80.0000	81.01
* 42 Acenaphthene-d10	164	13.630	13.622	(1.000)	146292	20.0000	
43 3-Nitroaniline	138	13.609	13.580	(0.998)	135768	80.0000	78.66
44 Acenaphthene	153	13.689	13.670	(1.004)	514025	80.0000	75.47
45 2,4-Dinitrophenol	184	13.779	13.751	(1.011)	219903	160.0000	159.4
46 Dibenzofuran	168	13.950	13.932	(1.024)	724401	80.0000	73.60
47 4-Nitrophenol	109	13.876	13.847	(1.018)	93198	80.0000	74.71
48 2,4-Dinitrotoluene	165	14.025	13.996	(1.029)	182473	80.0000	79.99
50 Diethylphthalate	149	14.442	14.413	(1.060)	568337	80.0000	75.89
49 Fluorene	166	14.511	14.493	(1.065)	602005	80.0000	76.46
51 4-Chlorophenyl-phenylether	204	14.511	14.498	(1.065)	349420	80.0000	79.08
52 4-Nitroaniline	138	14.629	14.584	(1.073)	121123	80.0000	77.60
53 4,6-Dinitro-2-methylphenol	198	14.693	14.659	(0.917)	260619	160.0000	180.0
54 N-Nitrosodiphenylamine	169	14.730	14.701	(0.919)	426148	80.0000	74.35
\$ 55 2,4,6-Tribromophenol	330	14.933	14.915	(1.096)	148933	120.0000	119.6
56 4-Bromophenyl-phenylether	248	15.302	15.289	(0.955)	196270	80.0000	79.02
57 Hexachlorobenzene	284	15.537	15.524	(0.970)	207784	80.0000	76.87
58 Pentachlorophenol	266	15.830	15.812	(0.988)	153461	80.0000	84.98
* 59 Phenanthrene-d10	188	16.023	16.015	(1.000)	264427	20.0000	
60 Phenanthrene	178	16.065	16.053	(1.003)	797671	80.0000	73.18
61 Anthracene	178	16.140	16.122	(1.007)	795610	80.0000	72.97
62 Carbazole	167	16.413	16.393	(1.024)	715151	80.0000	76.31
63 Di-n-butylphthalate	149	17.086	17.073	(1.066)	853240	80.0000	72.70
64 Fluoranthene	202	18.020	18.002	(1.125)	938966	80.0000	76.22
65 Pyrene	202	18.383	18.365	(0.902)	929371	80.0000	72.02
\$ 66 Terphenyl-d14	244	18.661	18.648	(0.916)	736190	80.0000	75.34
67 Butylbenzylphthalate	149	19.526	19.514	(0.959)	391496	80.0000	77.49
68 Benzo(a)anthracene	228	20.344	20.325	(0.999)	892354	80.0000	78.30
* 69 Chrysene-d12	240	20.370	20.357	(1.000)	205536	20.0000	
70 3,3'-Dichlorobenzidine	252	20.333	20.320	(0.998)	281006	80.0000	82.33
71 Chrysene	228	20.418	20.395	(1.002)	797932	80.0000	76.22
72 bis(2-Ethylhexyl)phthalate	149	20.498	20.491	(0.956)	496751	80.0000	72.47
* 134 Di-n-octylphthalate-d4	153	21.439	21.426	(1.000)	296289	20.0000	
73 Di-n-octylphthalate	149	21.444	21.436	(1.000)	880308	80.0000	71.19
74 Benzo(b)fluoranthene	252	22.021	21.992	(0.976)	982503	80.0000	78.65
75 Benzo(k)fluoranthene	252	22.058	22.024	(0.978)	918885	80.0000	73.41
187 Total Benzofluoranthenes	252	22.058	21.992	(0.978)	1798773	160.0000	151.3
76 Benzo(a)pyrene	252	22.491	22.462	(0.997)	922123	80.0000	78.66
* 77 Perylene-d12	264	22.560	22.553	(1.000)	253056	20.0000	
78 Indeno(1,2,3-cd)pyrene	276	24.435	24.374	(1.083)	1409259	80.0000	82.24
79 Dibenzo(a,h)anthracene	278	24.462	24.395	(1.084)	1165634	80.0000	81.32
80 Benzo(g,h,i)perylene	276	24.980	24.897	(1.107)	1179661	80.0000	80.27
90 N-Nitrosodimethylamine	74	4.358	4.340	(0.500)	153998	80.0000	83.37
103 Pyridine	79	4.304	4.317	(0.494)	287938	80.0000	82.82
91 Aniline	93	8.278	8.260	(0.950)	426262	80.0000	78.80
105 1-methylnaphthalene	141	12.086	12.074	(1.124)	434725	80.0000	76.16
93 Benzidine	184	18.255	18.237	(0.896)	559813	160.0000	161.6

Compounds	QUANT SIG		AMOUNTS					
	MASS		RT	EXP RT	REL RT	RESPONSE	CAL-AMT (ug/mL)	ON-COL (ug/mL)
111 Azobenzene (1,2-DP-Hydrazine)	77		14.773	14.755	(0.922)	473263	80.0000	70.30
144 alpha-Terpineol	59		10.799	10.776	(1.004)	164362	80.0000	75.45
133 Butylatedhydroxytoluene	205		13.769	13.756	(1.010)	583218	80.0000	75.12
115 Tributyl Phosphate	99		14.789	14.760	(0.923)	563183	80.0000	74.16
116 Dibutyl Phenyl Phosphate	175		16.525	16.512	(1.031)	447513	80.0000	79.01
117 Butyl Diphenyl Phosphate	94		18.234	18.221	(0.895)	133379	80.0000	80.20
118 Triphenyl Phosphate	326		19.858	19.839	(0.975)	164273	80.0000	80.86
120 2,3,4,6-Tetrachlorophenol	232		14.217	14.205	(1.043)	182643	80.0000	82.12
151 1,2,4,5-Tetrachlorobenzene	216		12.247	12.239	(0.899)	309358	80.0000	77.05

ARI Labs, Inc.

INTERNAL STANDARD COMPOUNDS
 AREA AND RT SUMMARY

Instrument ID: nt6.i Calibration Date: 16-MAY-2022
 Lab File ID: NT622051608.D Calibration Time: 17:11
 Lab Smp Id: SKE0212-CAL7
 Analysis Type: SV Level:
 Quant Type: ISTD Sample Type:
 Operator: JZ
 Method File: \\target\share\chem3\nt6.i\20220516.b\SW84620220516.m
 Misc Info: 22-

Test Mode: Use Initial Calibration Level 4.

COMPOUND	STANDARD	AREA LIMIT		SAMPLE	%DIFF
		LOWER	UPPER		
8 1,4-Dichlorobenze	71723	35862	143446	73198	2.06
27 Naphthalene-d8	255203	127602	510406	251973	-1.27
42 Acenaphthene-d10	144799	72400	289598	146292	1.03
59 Phenanthrene-d10	257295	128648	514590	264427	2.77
69 Chrysene-d12	195882	97941	391764	205536	4.93
134 Di-n-octylphthala	272032	136016	544064	296289	8.92
77 Perylene-d12	222542	111271	445084	253056	13.71

COMPOUND	STANDARD	RT LIMIT		SAMPLE	%DIFF
		LOWER	UPPER		
8 1,4-Dichlorobenze	8.71	8.21	9.21	8.72	0.08
27 Naphthalene-d8	10.75	10.25	11.25	10.76	0.06
42 Acenaphthene-d10	13.62	13.12	14.12	13.63	0.05
59 Phenanthrene-d10	16.02	15.52	16.52	16.02	0.04
69 Chrysene-d12	20.36	19.86	20.86	20.37	0.03
134 Di-n-octylphthala	21.43	20.93	21.93	21.44	0.03
77 Perylene-d12	22.55	22.05	23.05	22.56	0.03

AREA UPPER LIMIT = +100% of internal standard area.
 AREA LOWER LIMIT = - 50% of internal standard area.
 RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
 RT LOWER LIMIT = - 0.50 minutes of internal standard RT.

REVIEW SUMMARY FOR FILE - NT622051608.D

Lab ID: SKE0212-CAL7
nt6.i, SW84620220516.m, 16-MAY-2022 21:06

RT CO-ELUTION COMPOUNDS

NO CO-ELUTIONS

Quant Method: ICAL

No RRT check performed

On Column LOD for nt6.i, SW84620220516.m, ICALA.sub = 0.0100

* Only compounds listed in the work order have been verified by the analyst *



INITIAL CALIBRATION DATA

EPA 8270E

Laboratory:	Analytical Resources, LLC	SDG:	22F0267
Client:	GeoEngineers	Project:	RG Haley Site-Bellingham
Calibration:	FF00062	Instrument:	NT10
Calibration Date:	06/23/2022	Column (1):	ZB-5MSi

Compound	Level 01		Level 02		Level 03		Level 04		Level 05		Level 06	
	Conc	RRF	Conc	RRF	Conc	RRF	Conc	RRF	Conc	RRF	Conc	RRF
Phenol	0.2	1.96821	0.5	1.910899	1	1.892288	2.5	1.983475	5	1.900266	10	1.835467
bis(2-chloroethyl) ether	0.2	1.53664	0.5	1.366883	1	1.41359	2.5	1.363282	5	1.315336	10	1.261381
2-Chlorophenol	0.2	1.598835	0.5	1.517341	1	1.509086	2.5	1.491632	5	1.478711	10	1.433299
1,3-Dichlorobenzene	0.2	1.803979	0.5	1.742215	1	1.676965	2.5	1.644645	5	1.573902	10	1.510334
1,4-Dichlorobenzene	0.2	1.307741	0.5	1.280401	1	1.243578	2.5	1.309377	5	1.314652	10	1.269048
1,2-Dichlorobenzene	0.2	1.47824	0.5	1.382563	1	1.36501	2.5	1.382294	5	1.356752	10	1.297557
Benzyl Alcohol	0.2	0.6549426	0.5	0.6423037	1	0.7133957	2.5	0.7830622	5	0.8341739	10	0.8266465
2,2'-Oxybis(1-chloropropane)	0.2	0.3399268	0.5	0.3267414	1	0.3319201	2.5	0.3133741	5	0.3186781	10	0.3086777
2-Methylphenol	0.2	1.193827	0.5	1.185176	1	1.152957	2.5	1.160047	5	1.183433	10	1.179761
Hexachloroethane	0.2	0.5645374	0.5	0.5583678	1	0.543851	2.5	0.564741	5	0.5807807	10	0.5921387
N-Nitroso-di-n-Propylamine	0.2	0.9012472	0.5	0.8408353	1	0.7965636	2.5	0.8305514	5	0.7912751	10	0.7671104
4-Methylphenol	0.2	1.237545	0.5	1.255424	1	1.239882	2.5	1.275409	5	1.263002	10	1.256635
Nitrobenzene	0.2	0.4496316	0.5	0.4181519	1	0.3995268	2.5	0.4252456	5	0.4476016	10	0.4273497
Isophorone	0.2	0.5444709	0.5	0.5322994	1	0.533613	2.5	0.6316252	5	0.6796901	10	0.6927199
2-Nitrophenol	0.2	0.2359536	0.5	0.2353315	1	0.267592	2.5	0.2872676	5	0.2852986	10	0.2919172
2,4-Dimethylphenol			1	0.34627	2	0.339436	5	0.3520119	10	0.3335436	20	0.3089458
Bis(2-Chloroethoxy)methane	0.2	0.4426015	0.5	0.3995513	1	0.372639	2.5	0.3453397	5	0.3408508	10	0.3466912
2,4-Dichlorophenol			1	0.3316894	2	0.3293988	5	0.3544467	10	0.3489015	20	0.3352069
1,2,4-Trichlorobenzene	0.2	0.411976	0.5	0.3826311	1	0.3590373	2.5	0.3511019	5	0.3439616	10	0.3058131
Naphthalene	0.2	0.970561	0.5	0.9478608	1	0.9461737	2.5	1.017071	5	1.072681	10	1.083027
Benzoic acid			2	4.747006E-02	4	6.603842E-02	10	0.1262181	20	0.1825418	40	0.1860004
4-Chloroaniline			1	0.3600805	2	0.3953252	5	0.443094	10	0.4888512	20	0.4959509
Hexachlorobutadiene	0.2	0.1776386	0.5	0.1686307	1	0.1658886	2.5	0.1791405	5	0.1819013	10	0.1640668
4-Chloro-3-Methylphenol			1	0.2650237	2	0.2845436	5	0.3722145	10	0.403277	20	0.421568
2-Methylnaphthalene	0.2	0.8619577	0.5	0.8857927	1	0.8853322	2.5	1.037041	5	1.109508	10	1.13891
Hexachlorocyclopentadiene			1	2.949231E-02	2	6.552831E-02	5	0.1462213	10	0.2108356	20	0.2777651
2,4,6-Trichlorophenol			1	0.3647935	2	0.3869536	5	0.4682345	10	0.5128191	20	0.5040251
2,4,5-Trichlorophenol			1	0.3621596	2	0.4158719	5	0.4755098	10	0.552411	20	0.5407514

INITIAL CALIBRATION DATA
EPA 8270E

Laboratory: Analytical Resources, LLC

SDG: 22F0267

Client: GeoEngineers

Project: RG Haley Site-Bellingham

Calibration: FF00062

Instrument: NT10

Calibration Date: 06/23/2022

Column (1): ZB-5MSi

Compound	Level 01		Level 02		Level 03		Level 04		Level 05		Level 06	
	Conc	RRF	Conc	RRF	Conc	RRF	Conc	RRF	Conc	RRF	Conc	RRF
2-Chloronaphthalene	0.2	1.5565	0.5	1.567738	1	1.529255	2.5	1.624213	5	1.691752	10	1.614303
2-Nitroaniline			1	0.3577624	2	0.3825329	5	0.4365961	10	0.461605	20	0.4633515
Acenaphthylene	0.2	2.539522	0.5	2.500753	1	2.568262	2.5	2.547381	5	2.202038	10	2.060461
Dimethylphthalate	0.2	1.579247	0.5	1.581981	1	1.483116	2.5	1.451553	5	1.396063	10	1.211064
2,6-Dinitrotoluene			1	0.3283718	2	0.3211823	5	0.3361748	10	0.3364303	20	0.3172406
Acenaphthene	0.2	1.070253	0.5	1.074497	1	1.074373	2.5	1.157052	5	1.24129	10	1.233823
3-Nitroaniline			1	0.352766	2	0.3681034	5	0.396533	10	0.3917341	20	0.3803771
2,4-Dinitrophenol			2	1.631177E-02	4	3.856558E-02	10	9.400553E-02	20	0.1486022	40	0.1661203
Dibenzofuran	0.2	1.66981	0.5	1.73653	1	1.752399	2.5	1.908047	5	2.002569	10	1.960113
4-Nitrophenol	0.4	0.0608603	1	7.467465E-02	2	8.323482E-02	5	0.1124222	10	0.128707	20	0.1328731
2,4-Dinitrotoluene			1	0.375555	2	0.387878	5	0.4493825	10	0.478073	20	0.4621657
Fluorene	0.2	2.39897	0.5	2.374442	1	2.218434	2.5	2.215382	5	2.196656	10	2.057077
4-Chlorophenylphenyl ether	0.2	1.051632	0.5	1.014743	1	0.9246496	2.5	0.9763716	5	0.9642347	10	0.9245749
Diethyl phthalate	0.2	1.22001	0.5	1.263885	1	1.233471	2.5	1.272965	5	1.245679	10	1.138208
4-Nitroaniline	0.4	0.3771434	1	0.3809809	2	0.4038127	5	0.3117665	10	0.3929611	20	0.4013645
4,6-Dinitro-2-methylphenol	0.8	0.0483755	2	7.954888E-02	4	0.1018897	10	0.1394944	20	0.1584417	40	0.157053
N-Nitrosodiphenylamine	0.2	0.7431	0.5	0.7016603	1	0.6724369	2.5	0.6371059	5	0.6100658	10	0.5295289
4-Bromophenyl phenyl ether	0.2	0.2875634	0.5	0.2793756	1	0.2849542	2.5	0.2954273	5	0.3130558	10	0.2907771
Hexachlorobenzene	0.2	0.3236076	0.5	0.3155079	1	0.3116589	2.5	0.2862733	5	0.2762598	10	0.2477436
Pentachlorophenol			1	1.283533E-02	2	1.823241E-02	5	3.764968E-02	10	6.369167E-02	20	6.790092E-02
Phenanthrene	0.2	1.025862	0.5	0.9726716	1	0.9787481	2.5	1.032843	5	1.092084	10	1.086939
Anthracene	0.2	1.015924	0.5	1.003064	1	1.035194	2.5	1.116958	5	1.214901	10	1.191138
Carbazole	0.2	0.9852283	0.5	0.9715664	1	1.030863	2.5	1.095233	5	1.056817	10	0.9736986
Di-n-Butylphthalate	0.2	1.218452	0.5	1.235972	1	1.26804	2.5	1.492751	5	1.64539	10	1.671667
Fluoranthene	0.2	1.905256	0.5	2.179747	1	1.928522	2.5	2.425804	5	3.245573	10	2.983891
Pyrene	0.2	2.110856	0.5	2.145772	1	2.011161	2.5	2.325334	5	2.645557	10	2.700498
Butylbenzylphthalate	0.2	0.7932838	0.5	0.8357493	1	0.6778332	2.5	0.7755873	5	0.9306317	10	0.8086927
Benzo(a)anthracene	0.2	1.771713	0.5	1.745885	1	1.602027	2.5	1.678431	5	1.690787	10	1.677467



INITIAL CALIBRATION DATA EPA 8270E

Laboratory:	Analytical Resources, LLC	SDG:	22F0267
Client:	GeoEngineers	Project:	RG Haley Site-Bellingham
Calibration:	FF00062	Instrument:	NT10
Calibration Date:	06/23/2022	Column (1):	ZB-5MSi

Compound	Level 01		Level 02		Level 03		Level 04		Level 05		Level 06	
	Conc	RRF	Conc	RRF	Conc	RRF	Conc	RRF	Conc	RRF	Conc	RRF
3,3'-Dichlorobenzidine	0.6	0.5757421	1.5	0.5828363	3	0.5521662	7.5	0.6020375	15	0.5201216	30	0.4427464
Chrysene	0.2	1.064191	0.5	0.9872405	1	1.084505	2.5	1.057399	5	1.132514	10	1.29511
bis(2-Ethylhexyl)phthalate	0.2	0.4631617	0.5	0.4251487	1	0.4015499	2.5	0.4271518	5	0.4960681	10	0.4401155
Di-n-Octylphthalate	0.2	0.9662854	0.5	0.894193	1	0.8889545	2.5	0.9123549	5	0.9152115	10	0.9062846
Benzo(b)fluoranthene	0.2	1.756674	0.5	1.660255	1	1.627083	2.5	1.748486	5	1.885468	10	1.9428
Benzo(k)fluoranthene	0.2	1.636001	0.5	1.791113	1	1.740544	2.5	1.759539	5	1.85068	10	1.652135
Benzo(a)fluoranthene, Total	0.4	1.643745	1	1.631465	2	1.610365	5	1.673609	10	1.701349	20	1.723532
Benzo(a)pyrene	0.2	1.466435	0.5	1.339799	1	1.428422	2.5	1.487476	5	1.435935	10	1.539835
Indeno(1,2,3-cd)pyrene	0.2	1.533552	0.5	1.577812	1	1.446944	2.5	1.586191	5	1.692834	10	1.572022
Dibenzo(a,h)anthracene	0.2	1.232676	0.5	1.257814	1	1.121836	2.5	1.206571	5	1.278166	10	1.161089
Benzo(g,h,i)perylene	0.2	1.273046	0.5	1.172622	1	1.193164	2.5	1.30385	5	1.275435	10	1.274623
1-Methylnaphthalene	0.2	0.8641934	0.5	0.8834822	1	0.8956596	2.5	1.024808	5	1.075557	10	1.108796
2-Fluorophenol	0.3	1.402655	0.75	1.50733	1.5	1.480856	3.75	1.562221	7.5	1.487683	15	1.423298
Phenol-d5	0.3	1.773899	0.75	1.939148	1.5	1.939447	3.75	2.293663	7.5	2.296017	15	2.429613
2-Chlorophenol-d4	0.3	1.447473	0.75	1.473706	1.5	1.423271	3.75	1.512298	7.5	1.473311	15	1.596803
1,2-Dichlorobenzene-d4	0.2	0.9017421	0.5	0.909755	1	0.9027626	2.5	0.9598806	5	0.9173256	10	0.9210227
Nitrobenzene-d5	0.2	0.3959225	0.5	0.4096801	1	0.4045234	2.5	0.4440443	5	0.4435575	10	0.4411351
2-Fluorobiphenyl	0.2	1.697106	0.5	1.832072	1	1.79458	2.5	1.943197	5	1.890236	10	1.815821
2,4,6-Tribromophenol	0.3	0.1109116	0.75	0.1189941	1.5	0.1462506	3.75	0.1714586	7.5	0.1861353	15	0.184756
p-Terphenyl-d14	0.2	1.317246	0.5	1.443507	1	1.293292	2.5	1.412553	5	1.54978	10	1.358926



INITIAL CALIBRATION DATA

EPA 8270E

Laboratory:	Analytical Resources, LLC	SDG:	22F0267
Client:	GeoEngineers	Project:	RG Haley Site-Bellingham
Calibration:	FF00062	Instrument:	NT10
Calibration Date:	06/23/2022	Column (1):	ZB-5MSi

Compound	Level 07		Level 08		Level 09		Level 10		Level 11		Level 12	
	Conc	RRF	Conc	RRF	Conc	RRF	Conc	RRF	Conc	RRF	Conc	RRF
Phenol	20	1.728836										
bis(2-chloroethyl) ether	20	1.25674										
2-Chlorophenol	20	1.510086										
1,3-Dichlorobenzene	20	1.446847										
1,4-Dichlorobenzene	20	1.260455										
1,2-Dichlorobenzene	20	1.276186										
Benzyl Alcohol	20	0.8115548										
2,2'-Oxybis(1-chloropropane)	20	0.3164632										
2-Methylphenol	20	1.095384										
Hexachloroethane	20	0.6009443										
N-Nitroso-di-n-Propylamine	20	0.7408959										
4-Methylphenol	20	1.182544										
Nitrobenzene	20	0.4354048										
Isophorone	20	0.729639										
2-Nitrophenol	20	0.2933717										
2,4-Dimethylphenol	40	0.2947715										
Bis(2-Chloroethoxy)methane	20	0.3622333										
2,4-Dichlorophenol	40	0.3075809										
1,2,4-Trichlorobenzene	20	0.2919657										
Naphthalene	20	1.1287										
Benzoic acid	80	0.2045627										
4-Chloroaniline	40	0.5288572										
Hexachlorobutadiene	20	0.161876										
4-Chloro-3-Methylphenol	40	0.4449196										
2-Methylnaphthalene	20	1.20352										
Hexachlorocyclopentadiene	40	0.3345397										
2,4,6-Trichlorophenol	40	0.4908327										
2,4,5-Trichlorophenol	40	0.5256221										



INITIAL CALIBRATION DATA
EPA 8270E

Laboratory:	Analytical Resources, LLC	SDG:	22F0267
Client:	GeoEngineers	Project:	RG Haley Site-Bellingham
Calibration:	FF00062	Instrument:	NT10
Calibration Date:	06/23/2022	Column (1):	ZB-5MSi

Compound	Level 07		Level 08		Level 09		Level 10		Level 11		Level 12	
	Conc	RRF	Conc	RRF	Conc	RRF	Conc	RRF	Conc	RRF	Conc	RRF
2-Chloronaphthalene	20	1.586189										
2-Nitroaniline	40	0.4591793										
Acenaphthylene	20	1.949086										
Dimethylphthalate	20	1.116169										
2,6-Dinitrotoluene	40	0.3153181										
Acenaphthene	20	1.291869										
3-Nitroaniline	40	0.4116036										
2,4-Dinitrophenol	80	0.1890558										
Dibenzofuran	20	1.911907										
4-Nitrophenol	40	0.1382885										
2,4-Dinitrotoluene	40	0.4595215										
Fluorene	20	2.002574										
4-Chlorophenylphenyl ether	20	0.9345428										
Diethyl phthalate	20	1.049003										
4-Nitroaniline	40	0.4208624										
4,6-Dinitro-2-methylphenol	80	0.1536395										
N-Nitrosodiphenylamine	20	0.5088605										
4-Bromophenyl phenyl ether	20	0.288728										
Hexachlorobenzene	20	0.2350898										
Pentachlorophenol	40	7.738428E-02										
Phenanthrene	20	1.166988										
Anthracene	20	1.261962										
Carbazole	20	1.118612										
Di-n-Butylphthalate	20	1.860855										
Fluoranthene	20	3.433051										
Pyrene	20	3.098727										
Butylbenzylphthalate	20	0.8347116										
Benzo(a)anthracene	20	1.698527										



INITIAL CALIBRATION DATA
EPA 8270E

Laboratory:	Analytical Resources, LLC	SDG:	22F0267
Client:	GeoEngineers	Project:	RG Haley Site-Bellingham
Calibration:	FF00062	Instrument:	NT10
Calibration Date:	06/23/2022	Column (1):	ZB-5MSi

Compound	Level 07		Level 08		Level 09		Level 10		Level 11		Level 12	
	Conc	RRF	Conc	RRF	Conc	RRF	Conc	RRF	Conc	RRF	Conc	RRF
3,3'-Dichlorobenzidine	60	0.590625										
Chrysene	20	1.565761										
bis(2-Ethylhexyl)phthalate	20	0.4416879										
Di-n-Octylphthalate	20	0.8808368										
Benzo(b)fluoranthene	20	2.059972										
Benzo(k)fluoranthene	20	1.763575										
Benzo(a)fluoranthene, Total	40	1.839338										
Benzo(a)pyrene	20	1.680594										
Indeno(1,2,3-cd)pyrene	20	1.671892										
Dibenzo(a,h)anthracene	20	1.224938										
Benzo(g,h,i)perylene	20	1.365247										
1-Methylnaphthalene	20	1.144621										
2-Fluorophenol	30	1.360263										
Phenol-d5	30	2.498855										
2-Chlorophenol-d4	30	1.491082										
1,2-Dichlorobenzene-d4	20	0.9070598										
Nitrobenzene-d5	20	0.4405112										
2-Fluorobiphenyl	20	1.697765										
2,4,6-Tribromophenol	30	0.1889736										



INITIAL CALIBRATION DATA
EPA 8270E

Laboratory:	Analytical Resources, LLC	SDG:	22F0267
Client:	GeoEngineers	Project:	RG Haley Site-Bellingham
Calibration:	FF00062	Instrument:	NT10
Calibration Date:	06/23/2022	Column (1):	ZB-5MSi

COMPOUND	Mean RRF	RRF RSD	Linear COD	Quad COD	Limit Type & Limit	Q
Phenol	1.888492	4.6			RSD (15)	
bis(2-chloroethyl) ether	1.359122	7.1			RSD (15)	
2-Chlorophenol	1.50557	3.3			RSD (15)	
1,3-Dichlorobenzene	1.628412	7.8			RSD (15)	
1,4-Dichlorobenzene	1.283607	2.2			RSD (15)	
1,2-Dichlorobenzene	1.362657	4.8			RSD (15)	
Benzyl Alcohol	0.7522971	10.8			RSD (15)	
2,2'-Oxybis(1-chloropropane)	0.3222545	3.4			RSD (15)	
2-Methylphenol	1.164369	2.9			RSD (15)	
Hexachloroethane	0.5721944	3.5			RSD (15)	
N-Nitroso-di-n-Propylamine	0.8097827	6.5			RSD (15)	
4-Methylphenol	1.244349	2.4			RSD (15)	
Nitrobenzene	0.4289874	4.1			RSD (15)	
Isophorone	0.6205796	13.5			RSD (15)	
2-Nitrophenol	0.2709617	9.4			RSD (15)	
2,4-Dimethylphenol	0.3291631	6.8			RSD (15)	
Bis(2-Chloroethoxy)methane	0.3728438	9.9			RSD (15)	
2,4-Dichlorophenol	0.3345374	4.9			RSD (15)	
1,2,4-Trichlorobenzene	0.3494981	11.9			RSD (15)	
Naphthalene	1.023725	7.1			RSD (15)	
Benzoic acid	0.1354719	49.2		0.9965	QCOD (0.99)	
4-Chloroaniline	0.4520265	14.3			RSD (15)	
Hexachlorobutadiene	0.1713061	4.7			RSD (15)	
4-Chloro-3-Methylphenol	0.3652577	20.3		0.9995	QCOD (0.99)	
2-Methylnaphthalene	1.017437	13.7			RSD (15)	
Hexachlorocyclopentadiene	0.1773971	67.3		0.9920	QCOD (0.99)	
2,4,6-Trichlorophenol	0.4546098	13.9			RSD (15)	
2,4,5-Trichlorophenol	0.478721	15.9		0.9993	QCOD (0.99)	
2-Chloronaphthalene	1.595707	3.4			RSD (15)	
2-Nitroaniline	0.4268379	10.7			RSD (15)	
Acenaphthylene	2.338215	11.2			RSD (15)	



INITIAL CALIBRATION DATA
EPA 8270E

Laboratory:	Analytical Resources, LLC	SDG:	22F0267
Client:	GeoEngineers	Project:	RG Haley Site-Bellingham
Calibration:	FF00062	Instrument:	NT10
Calibration Date:	06/23/2022	Column (1):	ZB-5MSi

COMPOUND	Mean RRF	RRF RSD	Linear COD	Quad COD	Limit Type & Limit	Q
Dimethylphthalate	1.402742	12.7			RSD (15)	
2,6-Dinitrotoluene	0.3257863	2.9			RSD (15)	
Acenaphthene	1.163308	8.0			RSD (15)	
3-Nitroaniline	0.3835195	5.5			RSD (15)	
2,4-Dinitrophenol	0.1087769	65.0		0.9941	QCOD (0.99)	
Dibenzofuran	1.848768	6.9			RSD (15)	
4-Nitrophenol	0.1044372	29.9		0.9992	QCOD (0.99)	
2,4-Dinitrotoluene	0.4354293	9.8			RSD (15)	
Fluorene	2.209076	6.6			RSD (15)	
4-Chlorophenylphenyl ether	0.9701069	5.0			RSD (15)	
Diethyl phthalate	1.203317	6.7			RSD (15)	
4-Nitroaniline	0.3841274	9.1			RSD (15)	
4,6-Dinitro-2-methylphenol	0.1197775	36.5		0.9991	QCOD (0.99)	
N-Nitrosodiphenylamine	0.6289655	13.8			RSD (15)	
4-Bromophenyl phenyl ether	0.2914116	3.7			RSD (15)	
Hexachlorobenzene	0.285163	12.1			RSD (15)	
Pentachlorophenol	4.628238E-02	58.9		0.9943	QCOD (0.99)	
Phenanthrene	1.050877	6.6			RSD (15)	
Anthracene	1.119877	9.4			RSD (15)	
Carbazole	1.033145	5.8			RSD (15)	
Di-n-Butylphthalate	1.484732	17.0		0.9998	QCOD (0.99)	
Fluoranthene	2.585978	24.4		0.9981	QCOD (0.99)	
Pyrene	2.433986	16.2		0.9997	QCOD (0.99)	
Butylbenzylphthalate	0.80807	9.4			RSD (15)	
Benzo(a)anthracene	1.694977	3.2			RSD (15)	
3,3'-Dichlorobenzidine	0.552325	10.0			RSD (15)	
Chrysene	1.169531	17.0		0.9996	QCOD (0.99)	
bis(2-Ethylhexyl)phthalate	0.4421262	6.9			RSD (15)	
Di-n-Octylphthalate	0.9091601	3.1			RSD (15)	
Benzo(b)fluoranthene	1.811534	8.7			RSD (15)	
Benzo(k)fluoranthene	1.741941	4.3			RSD (15)	



INITIAL CALIBRATION DATA
EPA 8270E

Laboratory:	Analytical Resources, LLC	SDG:	22F0267
Client:	GeoEngineers	Project:	RG Haley Site-Bellingham
Calibration:	FF00062	Instrument:	NT10
Calibration Date:	06/23/2022	Column (1):	ZB-5MSi

COMPOUND	Mean RRF	RRF RSD	Linear COD	Quad COD	Limit Type & Limit	Q
Benzofluoranthenes, Total	1.689058	4.6			RSD (15)	
Benzo(a)pyrene	1.482642	7.2			RSD (15)	
Indeno(1,2,3-cd)pyrene	1.583035	5.2			RSD (15)	
Dibenzo(a,h)anthracene	1.21187	4.5			RSD (15)	
Benzo(g,h,i)perylene	1.265427	5.2			RSD (15)	
1-Methylnaphthalene	0.9995882	11.7			RSD (15)	
2-Fluorophenol	1.460615	4.7			RSD (15)	
Phenol-d5	2.167235	12.9			RSD (15)	
2-Chlorophenol-d4	1.488278	3.8			RSD (15)	
1,2-Dichlorobenzene-d4	0.9170783	2.2			RSD (15)	
Nitrobenzene-d5	0.4256249	5.0			RSD (15)	
2-Fluorobiphenyl	1.810111	5.1			RSD (15)	
2,4,6-Tribromophenol	0.1582114	20.8		0.9997	QCOD (0.99)	
p-Terphenyl-d14	1.395884	6.7			RSD (15)	



ANALYSIS SEQUENCE

SKF0270

Instrument: NT10 Element Column ID: k000190
 Calibration ID: UNASSIGNED Tune File: 211222u
 EM Voltage: 1976

Lab Number	Sample Name	Analysis	Container	Order	STD ID	ISTD ID	Comments
SKF0270-TUN1	MS Tune	QC		1	K004775		
SKF0270-CAL5	CAL 5	QC		2	K005652	J012379	
SKF0270-CAL7	CAL 20	QC		3	K005654	J012379	
SKF0270-CAL1	CAL 0.2	QC		4	K005648	J012379	
SKF0270-CAL6	CAL 10	QC		5	K005653	J012379	
SKF0270-CAL2	CAL 0.5	QC		6	K005649	J012379	
SKF0270-CAL4	CAL 2.5	QC		7	K005651	J012379	
SKF0270-CAL3	CAL 1.0	QC		8	K005650	J012379	
SKF0270-SCV1	SCV 5.0	QC		9	J008837	J012379	
SKF0270-ICB1	Initial Cal Blank	QC		10	K005156	J012379	
SKF0270-ICV1	ABN 5	QC		11	K005652	J012379	
BKF0257-BLK1	Blank	QC		12		J012379	
BKF0257-BS1	LCS	QC		13		J012379	
BKF0257-BSD1	LCS Dup	QC		14		J012379	
BKF0257-SRM1	Reference	QC		15		J012379	
BKF0257-MS1	Matrix Spike	QC		16		J012379	
BKF0257-MSD1	Matrix Spike Dup	QC		17		J012379	
22F0092-15	T91-RI-SC27D	SVOC (20ug/kg solid or 0.2ug/L low H2C	B 04	18		J012379	
22F0092-16	T91-RI-SC05D	SVOC (20ug/kg solid or 0.2ug/L low H2C	B 03	19		J012379	
22F0092-18	T91-RI-SC24D	SVOC (20ug/kg solid or 0.2ug/L low H2C	B 03	20		J012379	
22F0092-24	T91-RI-SC05C	SVOC (20ug/kg solid or 0.2ug/L low H2C	B 03	21		J012379	
22F0092-25	T91-RI-SC05E	SVOC (20ug/kg solid or 0.2ug/L low H2C	B 03	22		J012379	



ANALYSIS SEQUENCE

SKF0270

Instrument: NT10 Element Column ID: k000190
Calibration ID: UNASSIGNED Tune File: 211222u
EM Voltage: 1976

Lab Number	Sample Name	Analysis	Container	Order	STD ID	ISTD ID	Comments
22F0151-01	CS-20220606	SVOC (20ug/kg solid or 0.2ug/L low H2C	B 03	23		J012379	
22F0151-02	HL-20220606	SVOC (20ug/kg solid or 0.2ug/L low H2C	B 03	24		J012379	
22D0147-02RE1	SK-SED-5	SVOC (20ug/kg solid or 0.2ug/L low H2C	A 01	25		J012379	Added 6/25/2022 by YZ
22D0147-03RE1	SK-SED-4	SVOC (20ug/kg solid or 0.2ug/L low H2C	A 01	26		J012379	Added 6/25/2022 by YZ
22D0147-04RE1	SK-SED-3	SVOC (20ug/kg solid or 0.2ug/L low H2C	A 01	27		J012379	Added 6/25/2022 by YZ
22E0353-05RE1	ST1-051922-G	SVOC (20ug/kg solid or 0.2ug/L low H2C	B 01	28		J012379	Added 6/25/2022 by YZ
SKF0270-CCV1	ABN 5	QC		29	K005652	J012379	

INTERNAL STANDARD SUMMARY FOR DATABATCH - \\target\share\chem3\nt10.i\20220623.b

Time	Filename	LabID	ClientId	DF																
1	0900	NT1022062301.D	SKF0270-TUN1		1	NO ISTDS FOUND														
2	0916	NT1022062302.D	SKF0270-CAL5		1	9.11	155417 11.60	491185 15.23	281977 18.29	498577 23.40	263544 26.13	174316 24.47	453170							
3	0954	NT1022062303.D	SKF0270-CAL7		1	9.11	115640 11.60	370549 15.24	225060 18.30	399324 23.41	225089 26.13	176675 24.48	585877							
4	1033	NT1022062304.D	SKF0270-CAL1		1	9.11	242464 11.60	742519 15.23	378079 18.29	658081 23.40	491829 26.13	321528 24.48	722685							
5	1111	NT1022062305.D	SKF0270-CAL6		1	9.11	135958 11.60	444992 15.23	259574 18.30	461222 23.40	277750 26.13	210708 24.48	596169							
6	1150	NT1022062306.D	SKF0270-CAL2		1	9.11	216832 11.60	685569 15.23	353855 18.29	636992 23.39	423840 26.12	261902 24.48	620564							
7	1229	NT1022062307.D	SKF0270-CAL4		1	9.11	171593 11.60	555613 15.23	318777 18.29	567888 23.40	384194 26.13	266368 24.48	651920							
8	1307	NT1022062308.D	SKF0270-CAL3		1	9.10	196951 11.60	634040 15.23	337503 18.29	590158 23.40	454991 26.12	330191 24.48	731655							
9	1346	NT1022062309.D	SKF0270-SIM.1		1	9.10	260886 11.60	795459 15.23	379249 18.29	687004 23.39	531607 26.12	364790 24.47	784634							
10	1425	NT1022062310.D	SKF0270-SIM.05		1	9.11	273741 11.60	816621 15.23	386654 18.29	696864 23.39	530944 26.10	370290 24.46	772393							
11	1520	NT1022062311.D	SKF0270-SCV1		1	9.12	152987 11.60	505418 15.23	286969 18.30	505363 23.39	344386 26.10	267390 24.45	654412							
12	1559	NT1022062312.D	SKF0270-ICB1		1	9.10	208909 11.59	724721 15.22	361524 18.28	629366 23.35	466619 26.06	359159 24.42	716301							
13	1638	NT1022062313.D	SKF0270-ICV1		1	9.10	149714 11.59	491315 15.22	286589 18.28	498820 23.35	311295 26.05	218550 24.42	577982							
14	1716	NT1022062314.D	SKF0270-ICV1		1	9.10	197282 11.59	632703 15.22	343508 18.27	603051 23.35	458481 26.05	345763 24.42	736521							
15	1755	NT1022062315.D	BKF0257-BLK1		1	9.10	171377 11.59	645777 15.22	332295 18.27	581057 23.35	423773 26.03	320747 24.41	651021							
16	1834	NT1022062316.D	BKF0257-BS1		1	9.11	160580 11.59	524700 15.22	301193 18.27	510631 23.35	373306 26.03	287554 24.41	686225							
17	1913	NT1022062317.D	BKF0257-BSD1		1	9.10	160676 11.59	526572 15.22	305400 18.27	516627 23.35	371718 26.03	297341 24.41	719799							
18	1952	NT1022062318.D	BKF0257-SRM1		1	9.10	175834 11.59	543898 15.21	307429 18.27	533941 23.35	314302 26.04	235256 24.41	600845							
19	2031	NT1022062319.D	22F0092-15		1	9.10	195813 11.59	715701 15.22	365881 18.27	509527 23.34	196910 26.03	142314 24.40	369268							
20	2110	NT1022062320.D	BKF0257-MS1		1	9.11	142012 11.60	485048 15.22	267717 18.27	392543 23.34	163817 26.01	123125 24.39	324331							

INTERNAL STANDARD SUMMARY FOR DATABATCH - \\target\share\chem3\nt10.i\20220623.b

Time	Filename	LabID	ClientId	DF																						
21	2149	NT1022062321.D	BKF0257-MSD1		1		9.11	150620		11.60	517764		15.22	285331		18.26	414731		23.34	171619		26.01	128384		24.39	354549
22	2227	NT1022062322.D	22F0092-16		1		9.10	188600		11.59	696718		15.21	364161		18.26	611931		23.33	259697		26.00	180630		24.38	451821
23	2306	NT1022062323.D	22F0092-18		1		9.10	201611		11.59	717884		15.21	369417		18.26	560211		23.33	243638		26.00	175830		24.38	440824
24	2345	NT1022062324.D	22F0092-24		1		9.10	183708		11.59	668445		15.21	337793		18.26	557683		23.33	265551		26.00	182059		24.38	444230
25	0023	NT1022062325.D	22F0092-25		1		9.10	183832		11.59	673636		15.21	347823		18.26	604075		23.33	236591		26.01	166847		24.39	405392
26	0102	NT1022062326.D	22F0151-01		1		9.11	166495		11.59	563771		15.22	283051		18.27	374783		23.36	113331		26.08	86025		24.43	254002
27	0141	NT1022062327.D	22F0151-02		1		9.11	155171		11.60	553946		15.22	259937		18.27	313734		23.36	116839		26.08	90523		24.42	279387
28	0219	NT1022062328.D	22D0147-02RE1		20		9.11	222365		11.59	738312		15.22	338581		18.27	397586		23.35	104482		26.03	89165		24.40	220748
29	0258	NT1022062329.D	22D0147-03RE1		20		9.11	218725		11.60	751983		15.22	364895		18.27	572439		23.35	130577		26.03	104497		24.40	254037
30	0336	NT1022062330.D	22D0147-04RE1		50		9.11	245326		11.60	768066		15.22	380993		18.27	643011		23.35	176808		26.03	126138		24.39	316575
31	0415	NT1022062331.D	22E0353-05RE1		1		9.11	196616		11.59	711993		15.21	331088		18.27	518987		23.35	122962		26.05	91219		24.41	254233
32	0454	NT1022062332.D	SKF0270-CCV1		1		9.11	155063		11.60	504423		15.22	286127		18.27	410398		23.34	115467		26.03	88962		24.40	249026

MANUAL INTEGRATION SUMMARY FOR DATABATCH - \\target\share\chem3\nt10.i\20220623.b

ARI Job No.: SKF0 Method: DFTPP8270E.m Instrument: nt10.i Date: 23-JUN-2022

Time	Filename	LabID	ClientId	DF	Manually Integrated Compounds
0900	NT1022062301.D	SKF0270-TUN1		1	NO MANUAL INTEGRATION
0916	NT1022062302.D	SKF0270-CAL5		1	2,4-Dinitrophenol,
0954	NT1022062303.D	SKF0270-CAL7		1	Benzoic acid, 2,4-Dinitrophenol,
1033	NT1022062304.D	SKF0270-CAL1		1	Benzoic acid,
1111	NT1022062305.D	SKF0270-CAL6		1	2,4-Dinitrophenol,
1150	NT1022062306.D	SKF0270-CAL2		1	Benzoic acid,
1229	NT1022062307.D	SKF0270-CAL4		1	2,4-Dinitrophenol,
1307	NT1022062308.D	SKF0270-CAL3		1	2,4-Dinitrophenol,
1346	NT1022062309.D	SKF0270-SIM.1		1	NO MANUAL INTEGRATION
1425	NT1022062310.D	SKF0270-SIM.05		1	NO MANUAL INTEGRATION
1520	NT1022062311.D	SKF0270-SCV1		1	NO MANUAL INTEGRATION
1559	NT1022062312.D	SKF0270-ICB1		1	NO MANUAL INTEGRATION
1638	NT1022062313.D	SKF0270-ICV1		1	Pentachlorophenol,
1716	NT1022062314.D	SKF0270-ICV1		1	NO MANUAL INTEGRATION
1755	NT1022062315.D	BKF0257-BLK1		1	NO MANUAL INTEGRATION
1834	NT1022062316.D	BKF0257-BS1		1	NO MANUAL INTEGRATION
1913	NT1022062317.D	BKF0257-BSD1		1	NO MANUAL INTEGRATION

MANUAL INTEGRATION SUMMARY FOR DATABATCH - \\target\share\chem3\nt10.i\20220623.b

Time	Filename	LabID	ClientId	DF	Manually Integrated Compounds
1952	NT1022062318.D	BKF0257-SRM1		1	NO MANUAL INTEGRATION
2031	NT1022062319.D	22F0092-15		1	NO MANUAL INTEGRATION
2110	NT1022062320.D	BKF0257-MS1		1	NO MANUAL INTEGRATION
2149	NT1022062321.D	BKF0257-MSD1		1	NO MANUAL INTEGRATION
2227	NT1022062322.D	22F0092-16		1	NO MANUAL INTEGRATION
2306	NT1022062323.D	22F0092-18		1	Benzo(k)fluoranthene,
2345	NT1022062324.D	22F0092-24		1	Dibenzo(a,h)anthracene,
0023	NT1022062325.D	22F0092-25		1	NO MANUAL INTEGRATION
0102	NT1022062326.D	22F0151-01		1	Benzo(b)fluoranthene, Benzo(k)fluoranthene, Indeno(1,2,3-cd)pyrene,
0141	NT1022062327.D	22F0151-02		1	Dibenzo(a,h)anthracene,
0219	NT1022062328.D	22D0147-02RE1		20	Benzo(k)fluoranthene,
0258	NT1022062329.D	22D0147-03RE1		20	NO MANUAL INTEGRATION
0336	NT1022062330.D	22D0147-04RE1		50	Anthracene, Diberzo(a,h)anthracene, Benzo(g,h,i)perylene,
0415	NT1022062331.D	22E0353-05RE1		1	Benzo(a)anthracene, Benzo(k)fluoranthene,
0454	NT1022062332.D	SKF0270-CCV1		1	NO MANUAL INTEGRATION

Security Status Report

Date: 25-Jun-2022 13:55

NT1022062301.D	Data Locked	yev, 25-
NT1022062302.D	Data Locked	yev, 25-
NT1022062303.D	Data Locked	yev, 25-
NT1022062304.D	Data Locked	yev, 25-
NT1022062305.D	Data Locked	yev, 25-
NT1022062306.D	Data Locked	yev, 25-
NT1022062307.D	Data Locked	yev, 25-
NT1022062308.D	Data Locked	yev, 25-
NT1022062309.D	Data Locked	yev, 25-
NT1022062310.D	Data Locked	yev, 25-
NT1022062311.D	Data Locked	yev, 25-
NT1022062312.D	Data Locked	yev, 25-
NT1022062313.D	Data Locked	yev, 25-
NT1022062314.D	Data Locked	yev, 25-
NT1022062315.D	Data Locked	yev, 25-
NT1022062316.D	Data Locked	yev, 25-
NT1022062317.D	Data Locked	yev, 25-
NT1022062318.D	Data Locked	yev, 25-
NT1022062319.D	Data Locked	yev, 25-
NT1022062320.D	Data Locked	yev, 25-
NT1022062321.D	Data Locked	yev, 25-
NT1022062322.D	Data Locked	yev, 25-
NT1022062323.D	Data Locked	yev, 25-
NT1022062324.D	Data Locked	yev, 25-
NT1022062325.D	Data Locked	yev, 25-
NT1022062326.D	Data Locked	yev, 25-
NT1022062327.D	Data Locked	yev, 25-
NT1022062328.D	Data Locked	yev, 25-
NT1022062329.D	Data Locked	yev, 25-
NT1022062330.D	Data Locked	yev, 25-
NT1022062331.D	Data Locked	yev, 25-
NT1022062332.D	Data Locked	yev, 25-
NT1022062333.D	Data Locked	yev, 25-

ARI Labs, Inc.
RETENTION TIME SUMMARY REPORT

Method File: \\target\share\chem3\nt10.i\20220623.b\ABN.m
Batch File: \\target\share\chem3\nt10.i\20220623.b
Inst ID: nt10.i

ID: RT01 RT02 RT03 RT04 RT05 RT06 RT07
FILENAME: NT1022062302 NT1022062303 NT1022062304 NT1022062305 NT1022062306 NT1022062307 NT1022062308
INJ. DATE: 23-JUN-2022 23-JUN-2022 23-JUN-2022 23-JUN-2022 23-JUN-2022 23-JUN-2022 23-JUN-2022
INJ. TIME: 09:16 09:54 10:33 11:11 11:50 12:29 13:07

Table with columns: Compound, RT01, RT02, RT03, RT04, RT05, RT06, RT07, EXPECT RT, RT WINDOW, AVG RT, STD DEV. Rows include various chemical compounds like 2-Fluorophenol, Carbaryl, n-Decane, etc.

Reviewer 1 _____ Date: _____
Reviewer 2 _____ Date: _____

ARI Labs, Inc.
RETENTION TIME SUMMARY REPORT

Method File: \\target\share\chem3\nt10.i\20220623.b\ABN.m
Batch File: \\target\share\chem3\nt10.i\20220623.b
Inst ID: nt10.i

Compound	RT01	RT02	RT03	RT04	RT05	RT06	RT07	EXPEC RT	RT WINDOW	AVG RT	STD DEV
148 Dieldrin	+++++	+++++	+++++	+++++	+++++	+++++	+++++	47.281	44.281-50.281	+++++	+++++
149 TCMX	+++++	+++++	+++++	+++++	+++++	+++++	+++++	43.387	40.387-46.387	+++++	+++++
150 DCBP	+++++	+++++	+++++	+++++	+++++	+++++	+++++	50.989	47.989-53.989	+++++	+++++
138 Chlorobenzilate	+++++	+++++	+++++	+++++	+++++	+++++	+++++	67.733	64.733-70.733	+++++	+++++
139 Isodrin	+++++	+++++	+++++	+++++	+++++	+++++	+++++	65.067	62.067-68.067	+++++	+++++
140 Diallate A	+++++	+++++	+++++	+++++	+++++	+++++	+++++	65.487	62.487-68.487	+++++	+++++
141 Diallate B	+++++	+++++	+++++	+++++	+++++	+++++	+++++	65.487	62.487-68.487	+++++	+++++
142 1,2-Dibromo-3-Chloropr	+++++	+++++	+++++	+++++	+++++	+++++	+++++	49.917	46.917-52.917	+++++	+++++
135 2,3,5,6-Tetrachlorophe	+++++	+++++	+++++	+++++	+++++	+++++	+++++	16.672	13.672-19.672	+++++	+++++
136 2,3,4,5-tetrachlorophe	+++++	+++++	+++++	+++++	+++++	+++++	+++++	39.317	36.317-42.317	+++++	+++++
137 d8-1,4-Dioxane	+++++	+++++	+++++	+++++	+++++	+++++	+++++	2.445	0.000-5.445	+++++	+++++
* 134 Di-n-octylphthalate-d4	24.469	24.485	24.477	24.477	24.477	24.477	24.477	24.477	21.477-27.477	24.477	0.004
133 Butylatedhydroxytoluen	+++++	+++++	+++++	+++++	+++++	+++++	+++++	15.668	12.668-18.668	+++++	+++++
132 3,6-Dimethylphenanthre	+++++	+++++	+++++	+++++	+++++	+++++	+++++	65.450	62.450-68.450	+++++	+++++
131 1-Methylphenanthrene	+++++	+++++	+++++	+++++	+++++	+++++	+++++	64.400	61.400-67.400	+++++	+++++
130 Dibenzothiophene	+++++	+++++	+++++	+++++	+++++	+++++	+++++	62.100	59.100-65.100	+++++	+++++
129 1-Methylfluorene	+++++	+++++	+++++	+++++	+++++	+++++	+++++	54.912	51.912-57.912	+++++	+++++
128 N-Hexadecane	+++++	+++++	+++++	+++++	+++++	+++++	+++++	54.212	51.212-57.212	+++++	+++++
127 2-Isopropyl-naphthalene	+++++	+++++	+++++	+++++	+++++	+++++	+++++	57.650	54.650-60.650	+++++	+++++
126 N-Tetradecane	+++++	+++++	+++++	+++++	+++++	+++++	+++++	56.750	53.750-59.750	+++++	+++++
144 alpha-Terpineol	+++++	+++++	+++++	+++++	+++++	+++++	+++++	11.498	8.498-14.498	+++++	+++++
125 Safrole	+++++	+++++	+++++	+++++	+++++	+++++	+++++	52.166	49.166-55.166	+++++	+++++

ARI Labs, Inc.
RETENTION TIME SUMMARY REPORT

Method File: \\target\share\chem3\nt10.i\20220623.b\ABN.m
Batch File: \\target\share\chem3\nt10.i\20220623.b
Inst ID: nt10.i

Compound	RT01	RT02	RT03	RT04	RT05	RT06	RT07	EXPEC RT	RT WINDOW	AVG RT	STD DEV
124 3,4-Dimethylphenol	+++++	+++++	+++++	+++++	+++++	+++++	+++++	50.617	47.617-53.617	+++++	+++++
123 Acetophenone	+++++	+++++	+++++	+++++	+++++	+++++	+++++	10.686	7.686-13.686	+++++	+++++
122 Furfuraldehyde	+++++	+++++	+++++	+++++	+++++	+++++	+++++	43.467	40.467-46.467	+++++	+++++
143 1,4-Dioxane	+++++	+++++	+++++	+++++	+++++	+++++	+++++	2.697	0.000-5.697	+++++	+++++
121 Quinoline	+++++	+++++	+++++	+++++	+++++	+++++	+++++	54.500	51.500-57.500	+++++	+++++
120 2,3,4,6-Tetrachlorophe	15.975	15.983	15.975	15.975	15.968	15.975	15.968	15.968	12.968-18.968	15.974	0.005
178 2-Benzyl-4-Chloropheno	+++++	+++++	+++++	+++++	+++++	+++++	+++++	18.963	15.963-21.963	+++++	+++++
119 7,12-Dimethylbenz(a)an	+++++	+++++	+++++	+++++	+++++	+++++	+++++	47.069	44.069-50.069	+++++	+++++
118 Triphenyl Phosphate	+++++	+++++	+++++	+++++	+++++	+++++	+++++	21.215	18.215-24.215	+++++	+++++
117 Butyl Diphenyl Phospha	+++++	+++++	+++++	+++++	+++++	+++++	+++++	17.057	14.057-20.057	+++++	+++++
116 Dibutyl Phenyl Phospha	+++++	+++++	+++++	+++++	+++++	+++++	+++++	18.747	15.747-21.747	+++++	+++++
115 Tributyl Phosphate	+++++	+++++	+++++	+++++	+++++	+++++	+++++	17.049	14.049-20.049	+++++	+++++
114 Beta-Pinene	+++++	+++++	+++++	+++++	+++++	+++++	+++++	48.950	45.950-51.950	+++++	+++++
113 Diphenyl Oxide	+++++	+++++	+++++	+++++	+++++	+++++	+++++	14.341	11.341-17.341	+++++	+++++
112 Biphenyl	+++++	+++++	+++++	+++++	+++++	+++++	+++++	14.632	11.632-17.632	+++++	+++++
111 Azobenzene (1,2-DP-Hyd	16.670	16.678	16.663	16.670	16.663	16.670	16.663	16.663	13.663-19.663	16.668	0.006
110 Tetrachloroguaiacol	+++++	+++++	+++++	+++++	+++++	+++++	+++++	17.366	14.366-20.366	+++++	+++++
109 3,4,5-Trichloroguaiaco	+++++	+++++	+++++	+++++	+++++	+++++	+++++	15.070	12.070-18.070	+++++	+++++
181 3,4,6-Trichloroguaiaco	+++++	+++++	+++++	+++++	+++++	+++++	+++++	15.232	12.232-18.232	+++++	+++++
108 4,5,6-Trichloroguaiaco	+++++	+++++	+++++	+++++	+++++	+++++	+++++	16.374	13.374-19.374	+++++	+++++
184 3,4-Dichloroguaiacol	+++++	+++++	+++++	+++++	+++++	+++++	+++++	13.208	10.208-16.208	+++++	+++++
107 4,5-Dichloroguaiacol	+++++	+++++	+++++	+++++	+++++	+++++	+++++	14.160	11.160-17.160	+++++	+++++
182 4,6-Dichloroguaiacol	+++++	+++++	+++++	+++++	+++++	+++++	+++++	14.160	11.160-17.160	+++++	+++++
185 4-Chloroguaiacol	+++++	+++++	+++++	+++++	+++++	+++++	+++++	11.737	8.737-14.737	+++++	+++++

ARI Labs, Inc.
RETENTION TIME SUMMARY REPORT

Method File: \\target\share\chem3\nt10.i\20220623.b\ABN.m
Batch File: \\target\share\chem3\nt10.i\20220623.b
Inst ID: nt10.i

Compound	RT01	RT02	RT03	RT04	RT05	RT06	RT07	EXPEC RT	RT WINDOW	AVG RT	STD DEV
106 Guaiacol	+++++	+++++	+++++	+++++	+++++	+++++	+++++	9.227	6.227-12.227	+++++	+++++
105 1-methylnaphthalene	13.268	13.275	13.268	13.268	13.268	13.267	13.260	13.260	10.260-16.260	13.268	0.004
151 1,2,4,5-Tetrachloroben	+++++	+++++	+++++	+++++	+++++	+++++	+++++	11.499	8.499-14.499	+++++	+++++
152 Benzo(e)pyrene	+++++	+++++	+++++	+++++	+++++	+++++	+++++	30.943	27.943-33.943	+++++	+++++
153 Chlorpyrifos	+++++	+++++	+++++	+++++	+++++	+++++	+++++	27.781	24.781-30.781	+++++	+++++
154 Diazinon	+++++	+++++	+++++	+++++	+++++	+++++	+++++	26.082	23.082-29.082	+++++	+++++
155 Kelthane	+++++	+++++	+++++	+++++	+++++	+++++	+++++	28.270	25.270-31.270	+++++	+++++
156 Methyl Parathion	+++++	+++++	+++++	+++++	+++++	+++++	+++++	26.586	23.586-29.586	+++++	+++++
157 Ethyl Parathion	+++++	+++++	+++++	+++++	+++++	+++++	+++++	27.276	24.276-30.276	+++++	+++++
158 Ethion	+++++	+++++	+++++	+++++	+++++	+++++	+++++	24.503	21.503-27.503	+++++	+++++
159 4-Nonylphenol	+++++	+++++	+++++	+++++	+++++	+++++	+++++	25.261	22.261-28.261	+++++	+++++
160 Tetraethyl Tin	+++++	+++++	+++++	+++++	+++++	+++++	+++++	19.528	16.528-22.528	+++++	+++++
161 1,2,3-Trichloronaphtha	+++++	+++++	+++++	+++++	+++++	+++++	+++++	36.246	33.246-39.246	+++++	+++++
162 1,2,3,4-Tetrachloronap	+++++	+++++	+++++	+++++	+++++	+++++	+++++	37.506	34.506-40.506	+++++	+++++
163 1,2,3,5,8-Pentachloron	+++++	+++++	+++++	+++++	+++++	+++++	+++++	38.893	35.893-41.893	+++++	+++++
164 1,2,3,4,6,7-Hexachloro	+++++	+++++	+++++	+++++	+++++	+++++	+++++	39.681	36.681-42.681	+++++	+++++
165 1,2,3,4,5,6,7-Heptachl	+++++	+++++	+++++	+++++	+++++	+++++	+++++	41.123	38.123-44.123	+++++	+++++
166 Octachloronaphthalene	+++++	+++++	+++++	+++++	+++++	+++++	+++++	42.253	39.253-45.253	+++++	+++++
167 2,2',4,4',5-Pentabromo	+++++	+++++	+++++	+++++	+++++	+++++	+++++	42.033	39.033-45.033	+++++	+++++
\$ 2 Phenol-d5	8.483	8.490	8.475	8.483	8.475	8.475	8.475	8.475	5.475-11.475	8.480	0.006
3 Phenol	8.498	8.514	8.498	8.506	8.498	8.498	8.498	8.498	5.498-11.498	8.502	0.006
4 Bis(2-Chloroethyl)ethe	8.653	8.660	8.645	8.653	8.645	8.653	8.645	8.645	5.645-11.645	8.651	0.006
\$ 5 2-Chlorophenol-d4	8.746	8.761	8.745	8.753	8.745	8.745	8.745	8.745	5.745-11.745	8.749	0.006

ARI Labs, Inc.
RETENTION TIME SUMMARY REPORT

Method File: \\target\share\chem3\nt10.i\20220623.b\ABN.m
Batch File: \\target\share\chem3\nt10.i\20220623.b
Inst ID: nt10.i

Compound	RT01	RT02	RT03	RT04	RT05	RT06	RT07	EXPEC RT	RT WINDOW	AVG RT	STD DEV
6 2-Chlorophenol	8.776	8.784	8.776	8.776	8.776	8.776	8.776	8.776	5.776-11.776	8.777	0.003
7 1,3-Dichlorobenzene	9.040	9.047	9.039	9.040	9.039	9.047	9.040	9.040	6.040-12.040	9.042	0.004
* 8 1,4-Dichlorobenzene-d4	9.109	9.109	9.109	9.109	9.109	9.109	9.102	9.102	6.102-12.102	9.108	0.003
9 1,4-Dichlorobenzene	9.140	9.140	9.140	9.140	9.140	9.140	9.133	9.133	6.133-12.133	9.139	0.003
\$ 10 1,2-Dichlorobenzene-d4	9.466	9.474	9.466	9.466	9.466	9.466	9.466	9.466	6.466-12.466	9.467	0.003
11 Benzyl alcohol	9.373	9.388	9.381	9.381	9.381	9.381	9.373	9.373	6.373-12.373	9.380	0.005
12 1,2-Dichlorobenzene	9.497	9.497	9.497	9.497	9.490	9.497	9.490	9.490	6.490-12.490	9.495	0.004
13 2-Methylphenol	9.614	9.621	9.614	9.614	9.614	9.614	9.606	9.606	6.606-12.606	9.614	0.004
14 2,2'-oxybis(1-Chloropr	9.676	9.684	9.676	9.676	9.676	9.676	9.676	9.676	6.676-12.676	9.677	0.003
15 4-Methylphenol	9.878	9.893	9.885	9.886	9.878	9.878	9.878	9.878	6.878-12.878	9.882	0.006
16 N-Nitroso-di-n-propyla	9.932	9.947	9.932	9.940	9.932	9.932	9.924	9.924	6.924-12.924	9.934	0.007
17 Hexachloroethane	10.087	10.087	10.087	10.087	10.087	10.087	10.087	10.087	7.087-13.087	10.087	0.000
\$ 18 Nitrobenzene-d5	10.204	10.211	10.196	10.204	10.196	10.204	10.196	10.196	7.196-13.196	10.201	0.006
19 Nitrobenzene	10.235	10.250	10.235	10.235	10.235	10.235	10.235	10.235	7.235-13.235	10.237	0.006
20 Isophorone	10.685	10.708	10.677	10.685	10.677	10.685	10.677	10.677	7.677-13.677	10.685	0.011
21 2-Nitrophenol	10.868	10.877	10.868	10.868	10.868	10.868	10.868	10.868	7.868-13.868	10.870	0.003
22 2,4-Dimethylphenol	10.928	10.945	10.928	10.928	10.928	10.928	10.928	10.928	7.928-13.928	10.930	0.006
23 Bis(2-Chloroethoxy)met	11.115	11.123	11.114	11.115	11.114	11.114	11.114	11.114	8.114-14.114	11.116	0.003
24 Benzoic acid	11.149	11.293	11.055	11.208	11.047	11.097	11.064	11.064	8.064-14.064	11.130	0.092
25 2,4-Dichlorophenol	11.335	11.343	11.327	11.335	11.327	11.335	11.327	11.327	8.327-14.327	11.333	0.006
26 1,2,4-Trichlorobenzene	11.512	11.519	11.512	11.512	11.512	11.512	11.512	11.512	8.512-14.512	11.513	0.003
* 27 Naphthalene-d8	11.597	11.604	11.597	11.597	11.597	11.597	11.597	11.597	8.597-14.597	11.598	0.003
28 Naphthalene	11.643	11.651	11.635	11.643	11.635	11.643	11.635	11.635	8.635-14.635	11.641	0.006
29 4-Chloroaniline	11.774	11.782	11.767	11.774	11.767	11.774	11.767	11.767	8.767-14.767	11.772	0.006

ARI Labs, Inc.
RETENTION TIME SUMMARY REPORT

Method File: \\target\share\chem3\nt10.i\20220623.b\ABN.m

Batch File: \\target\share\chem3\nt10.i\20220623.b

Inst ID: nt10.i

Compound	RT01	RT02	RT03	RT04	RT05	RT06	RT07	EXPEC RT	RT WINDOW	AVG RT	STD DEV
30 Hexachlorobutadiene	11.999	12.006	11.998	11.998	11.998	12.006	11.998	11.998	8.998-14.998	12.001	0.004
31 4-Chloro-3-methylpheno	12.749	12.757	12.749	12.749	12.749	12.749	12.749	12.749	9.749-15.749	12.750	0.003
32 2-Methylnaphthalene	13.043	13.051	13.043	13.043	13.043	13.043	13.043	13.043	10.043-16.043	13.044	0.003
33 Hexachlorocyclopentadi	13.508	13.515	13.507	13.508	13.507	13.515	13.508	13.508	10.508-16.508	13.510	0.004
34 2,4,6-Trichlorophenol	13.678	13.678	13.670	13.678	13.670	13.670	13.670	13.670	10.670-16.670	13.673	0.004
35 2,4,5-Trichlorophenol	13.755	13.763	13.755	13.755	13.747	13.755	13.747	13.747	10.747-16.747	13.754	0.005
36 2-Fluorobiphenyl	13.825	13.832	13.825	13.833	13.825	13.832	13.825	13.825	10.825-16.825	13.828	0.004
37 2-Chloronaphthalene	14.042	14.049	14.041	14.042	14.041	14.041	14.034	14.034	11.034-17.034	14.041	0.004
38 2-Nitroaniline	14.297	14.320	14.305	14.305	14.297	14.297	14.297	14.297	11.297-17.297	14.302	0.009
39 Dimethylphthalate	14.730	14.746	14.730	14.730	14.730	14.730	14.730	14.730	11.730-17.730	14.733	0.006
40 Acenaphthylene	14.916	14.924	14.916	14.916	14.916	14.916	14.908	14.908	11.908-17.908	14.916	0.004
41 2,6-Dinitrotoluene	14.878	14.893	14.877	14.878	14.870	14.877	14.870	14.870	11.870-17.870	14.877	0.008
42 Acenaphthene-d10	15.233	15.241	15.233	15.233	15.225	15.233	15.226	15.226	12.226-18.226	15.232	0.005
43 3-Nitroaniline	15.164	15.179	15.164	15.171	15.156	15.156	15.156	15.156	12.156-18.156	15.164	0.009
44 Acenaphthene	15.303	15.310	15.303	15.303	15.295	15.303	15.295	15.295	12.295-18.295	15.302	0.005
45 2,4-Dinitrophenol	15.380	15.403	++++	15.388	15.372	15.380	15.372	15.372	12.372-18.372	15.383	0.012
46 Dibenzofuran	15.628	15.643	15.627	15.635	15.627	15.627	15.627	15.627	12.627-18.627	15.631	0.006
47 4-Nitrophenol	15.504	15.527	15.535	15.512	15.519	15.511	15.504	15.504	12.504-18.504	15.516	0.012
48 2,4-Dinitrotoluene	15.689	15.712	15.689	15.697	15.682	15.689	15.682	15.682	12.682-18.682	15.691	0.011
49 Fluorene	16.347	16.362	16.346	16.347	16.346	16.346	16.339	16.339	13.339-19.339	16.348	0.007
50 Diethylphthalate	16.200	16.223	16.200	16.207	16.192	16.199	16.192	16.192	13.192-19.192	16.202	0.011
51 4-Chlorophenyl-phenyle	16.339	16.346	16.339	16.339	16.331	16.339	16.331	16.331	13.331-19.331	16.338	0.005
52 4-Nitroaniline	16.439	16.477	16.439	16.447	16.431	16.431	16.424	16.424	13.424-19.424	16.441	0.018
53 4,6-Dinitro-2-methylph	16.539	16.570	16.539	16.547	16.532	16.539	16.532	16.532	13.532-19.532	16.543	0.013

ARI Labs, Inc.
RETENTION TIME SUMMARY REPORT

Method File: \\target\share\chem3\nt10.i\20220623.b\ABN.m
Batch File: \\target\share\chem3\nt10.i\20220623.b
Inst ID: nt10.i

Compound	RT01	RT02	RT03	RT04	RT05	RT06	RT07	EXPEC RT	RT WINDOW	AVG RT	STD DEV
54 N-Nitrosodiphenylamine	16.593	16.609	16.586	16.593	16.586	16.593	16.586	16.586	13.586-19.586	16.592	0.008
\$ 55 2,4,6-Tribromophenol	16.886	16.894	16.886	16.894	16.886	16.886	16.886	16.886	13.886-19.886	16.888	0.004
56 4-Bromophenyl-phenylet	17.349	17.356	17.349	17.349	17.349	17.349	17.349	17.349	14.349-20.349	17.350	0.003
57 Hexachlorobenzene	17.666	17.673	17.666	17.674	17.666	17.673	17.666	17.666	14.666-20.666	17.669	0.004
58 Pentachlorophenol	18.030	18.037	18.038	18.038	18.037	18.037	18.038	18.038	15.038-21.038	18.036	0.003
* 59 Phenanthrene-d10	18.293	18.300	18.293	18.301	18.293	18.293	18.293	18.293	15.293-21.293	18.295	0.004
60 Phenanthrene	18.339	18.355	18.339	18.347	18.339	18.347	18.339	18.339	15.339-21.339	18.344	0.006
61 Anthracene	18.432	18.447	18.440	18.440	18.432	18.440	18.432	18.432	15.432-21.432	18.438	0.006
62 Carbazole	18.773	18.780	18.773	18.773	18.772	18.772	18.773	18.773	15.773-21.773	18.774	0.003
63 Di-n-butylphthalate	19.577	19.585	19.577	19.585	19.577	19.577	19.577	19.577	16.577-22.577	19.579	0.004
64 Fluoranthene	20.753	20.761	20.753	20.753	20.745	20.753	20.753	20.753	17.753-23.753	20.753	0.004
65 Pyrene	21.179	21.194	21.186	21.187	21.179	21.179	21.179	21.179	18.179-24.179	21.183	0.006
\$ 66 Terphenyl-d14	21.473	21.480	21.473	21.473	21.473	21.473	21.473	21.473	18.473-24.473	21.474	0.003
67 Butylbenzylphthalate	22.410	22.417	22.410	22.410	22.410	22.417	22.410	22.410	19.410-25.410	22.412	0.004
68 Benzo(a)anthracene	23.370	23.385	23.370	23.378	23.370	23.377	23.370	23.370	20.370-26.370	23.374	0.006
* 69 Chrysene-d12	23.401	23.408	23.401	23.401	23.393	23.401	23.401	23.401	20.401-26.401	23.401	0.004
70 3,3'-Dichlorobenzidine	23.331	23.339	23.323	23.331	23.323	23.331	23.323	23.323	20.323-26.323	23.329	0.006
71 Chrysene	23.447	23.463	23.447	23.455	23.439	23.447	23.447	23.447	20.447-26.447	23.449	0.007
72 bis(2-Ethylhexyl)phtha	23.455	23.463	23.463	23.463	23.463	23.463	23.455	23.455	20.455-26.455	23.461	0.004
73 Di-n-octylphthalate	24.485	24.492	24.485	24.492	24.485	24.492	24.485	24.485	21.485-27.485	24.488	0.004
74 Benzo(b)fluoranthene	25.321	25.336	25.321	25.329	25.313	25.321	25.313	25.313	22.313-28.313	25.322	0.008
75 Benzo(k)fluoranthene	25.367	25.383	25.367	25.375	25.359	25.367	25.359	25.359	22.359-28.359	25.368	0.008
187 Total Benzofluoranthen	25.321	25.383	25.321	25.329	25.313	25.321	25.359	25.359	22.359-28.359	25.335	0.026
76 Benzo(a)pyrene	26.002	26.018	26.002	26.010	25.994	26.010	25.994	25.994	22.994-28.994	26.004	0.009

ARI Labs, Inc.
RETENTION TIME SUMMARY REPORT

Method File: \\target\share\chem3\nt10.i\20220623.b\ABN.m
Batch File: \\target\share\chem3\nt10.i\20220623.b
Inst ID: nt10.i

Compound	RT01	RT02	RT03	RT04	RT05	RT06	RT07	EXPEC RT	RT WINDOW	AVG RT	STD DEV
* 77 Perylene-d12	26.126	26.126	26.126	26.126	26.118	26.126	26.118	26.118	23.118-29.118	26.124	0.004
78 Indeno(1,2,3-cd)pyrene	28.923	28.962	28.923	28.939	28.923	28.923	28.916	28.916	25.916-31.916	28.930	0.016
79 Dibenzo(a,h)anthracene	28.939	28.978	28.947	28.954	28.931	28.939	28.931	28.931	25.931-31.931	28.945	0.016
80 Benzo(g,h,i)perylene	29.747	29.793	29.747	29.770	29.739	29.754	29.739	29.739	26.739-32.739	29.756	0.020
\$ 85 p-Cresol-d4	+++++	+++++	+++++	+++++	+++++	+++++	+++++	51.633	48.633-54.633	+++++	+++++
\$ 86 Anthracene-d10	+++++	+++++	+++++	+++++	+++++	+++++	+++++	63.533	60.533-66.533	+++++	+++++
\$ 87 Fluoranthene-d10	+++++	+++++	+++++	+++++	+++++	+++++	+++++	60.273	57.273-63.273	+++++	+++++
\$ 88 Dibenzo(a,h)anthracene-	+++++	+++++	+++++	+++++	+++++	+++++	+++++	78.600	75.600-81.600	+++++	+++++
\$ 89 Diphenyl-d10	+++++	+++++	+++++	+++++	+++++	+++++	+++++	50.841	47.841-53.841	+++++	+++++
90 N-Nitrosodimethylamine	4.698	4.720	4.705	4.713	4.705	4.705	4.697	4.697	1.697-7.697	4.706	0.008
91 Aniline	8.560	8.575	8.560	8.568	8.560	8.560	8.560	8.560	5.560-11.560	8.563	0.006
92 1,2-Diphenylhydrazine	+++++	+++++	+++++	+++++	+++++	+++++	+++++	56.160	53.160-59.160	+++++	+++++
93 Benzidine	20.985	20.993	20.993	20.993	20.985	20.993	20.985	20.985	17.985-23.985	20.990	0.004
\$ 95 D10-1-methylnaphthalen	+++++	+++++	+++++	+++++	+++++	+++++	+++++	52.075	49.075-55.075	+++++	+++++
96 p-Cymene	+++++	+++++	+++++	+++++	+++++	+++++	+++++	49.250	46.250-52.250	+++++	+++++
97 Caffeine	+++++	+++++	+++++	+++++	+++++	+++++	+++++	61.202	58.202-64.202	+++++	+++++
98 Retene	+++++	+++++	+++++	+++++	+++++	+++++	+++++	18.248	15.248-21.248	+++++	+++++
99 Perylene	+++++	+++++	+++++	+++++	+++++	+++++	+++++	25.866	22.866-28.866	+++++	+++++
100 3-beta-Coprostanol	+++++	+++++	+++++	+++++	+++++	+++++	+++++	25.411	22.411-28.411	+++++	+++++
101 Cholesterol	+++++	+++++	+++++	+++++	+++++	+++++	+++++	26.023	23.023-29.023	+++++	+++++
102 beta-Sitosterol	+++++	+++++	+++++	+++++	+++++	+++++	+++++	79.550	76.550-82.550	+++++	+++++
103 Pyridine	4.713	4.720	4.736	4.721	4.736	4.728	4.728	4.728	1.728-7.728	4.726	0.009
188 2,6-Dichlorophenol	+++++	+++++	+++++	+++++	+++++	+++++	+++++	11.874	8.874-14.874	+++++	+++++
189 N-Nitrosomethylethylam	+++++	+++++	+++++	+++++	+++++	+++++	+++++	5.818	2.818-8.818	+++++	+++++

ARI Labs, Inc.

INITIAL CALIBRATION DATA

Start Cal Date : 23-JUN-2022 09:16
 End Cal Date : 23-JUN-2022 13:07
 Quant Method : ISTD
 Origin : Force
 Target Version : 4.14
 Integrator : HP RTE
 Method file : \\target\share\chem3\nt10.i\20220623.b\ABN.m
 Last Edit : 24-Jun-2022 08:19 yev

Calibration File Names:

Level 1: \\target\share\chem3\nt10.i\20220623.b\NT1022062304.D
 Level 2: \\target\share\chem3\nt10.i\20220623.b\NT1022062306.D
 Level 3: \\target\share\chem3\nt10.i\20220623.b\NT1022062308.D
 Level 4: \\target\share\chem3\nt10.i\20220623.b\NT1022062307.D
 Level 5: \\target\share\chem3\nt10.i\20220623.b\NT1022062302.D
 Level 6: \\target\share\chem3\nt10.i\20220623.b\NT1022062305.D
 Level 7: \\target\share\chem3\nt10.i\20220623.b\NT1022062303.D

Compound	0.2000000	0.5000000	1.0000	2.5000	5.0000	10.0000	Curve	Coefficients			%RSD or R ²
	Level 1	Level 2	Level 3	Level 4	Level 5	Level 6		b	m1	m2	
186 Carbaryl	+++++	+++++	+++++	+++++	+++++	+++++					
	20.0000										
	Level 7										
	+++++	+++++	+++++	+++++	+++++	+++++					
	+++++	+++++	+++++	+++++	+++++	+++++	AVRG	0.000e+000	0.000e+000	<-	
179 n-Decane	+++++	+++++	+++++	+++++	+++++	+++++					
	+++++	+++++	+++++	+++++	+++++	+++++	AVRG	0.000e+000	0.000e+000	<-	
180 n-Octadecane	+++++	+++++	+++++	+++++	+++++	+++++					
	+++++	+++++	+++++	+++++	+++++	+++++	AVRG	0.000e+000	0.000e+000	<-	
169 4-tert-Butylphenol	+++++	+++++	+++++	+++++	+++++	+++++					
	+++++	+++++	+++++	+++++	+++++	+++++	AVRG	0.000e+000	0.000e+000	<-	

ARI Labs, Inc.

INITIAL CALIBRATION DATA

Start Cal Date : 23-JUN-2022 09:16
 End Cal Date : 23-JUN-2022 13:07
 Quant Method : ISTD
 Origin : Force
 Target Version : 4.14
 Integrator : HP RTE
 Method file : \\target\share\chem3\nt10.i\20220623.b\ABN.m
 Last Edit : 24-Jun-2022 08:19 yev

Compound	0.2000000	0.5000000	1.0000	2.5000	5.0000	10.0000	Curve	b	Coefficients		%RSD or R^2
	Level 1	Level 2	Level 3	Level 4	Level 5	Level 6			m1	m2	
	20.0000										
	Level 7										
170 N,N-Dimethylaniline	+++++	+++++	+++++	+++++	+++++	+++++					
	+++++						AVRG		0.000e+000		0.000e+000 <-
171 2,3-Dimethylaniline	+++++	+++++	+++++	+++++	+++++	+++++					
	+++++						AVRG		0.000e+000		0.000e+000 <-
172 2,4-Dimethylaniline	+++++	+++++	+++++	+++++	+++++	+++++					
	+++++						AVRG		0.000e+000		0.000e+000 <-
173 2,5-Dimethylaniline	+++++	+++++	+++++	+++++	+++++	+++++					
	+++++						AVRG		0.000e+000		0.000e+000 <-
174 2,6-Dimethylaniline	+++++	+++++	+++++	+++++	+++++	+++++					
	+++++						AVRG		0.000e+000		0.000e+000 <-
175 3,4-Dimethylaniline	+++++	+++++	+++++	+++++	+++++	+++++					
	+++++						AVRG		0.000e+000		0.000e+000 <-
176 3,5-Dimethylaniline	+++++	+++++	+++++	+++++	+++++	+++++					
	+++++						AVRG		0.000e+000		0.000e+000 <-

ARI Labs, Inc.

INITIAL CALIBRATION DATA

Start Cal Date : 23-JUN-2022 09:16
 End Cal Date : 23-JUN-2022 13:07
 Quant Method : ISTD
 Origin : Force
 Target Version : 4.14
 Integrator : HP RTE
 Method file : \\target\share\chem3\nt10.i\20220623.b\ABN.m
 Last Edit : 24-Jun-2022 08:19 yev

Compound	0.2000000	0.5000000	1.0000	2.5000	5.0000	10.0000	Curve	b	Coefficients		%RSD or R^2
	Level 1	Level 2	Level 3	Level 4	Level 5	Level 6			m1	m2	
	20.0000										
	Level 7										
177 p-Benzoquinone	++++	++++	++++	++++	++++	++++					
	++++						AVRG		0.000e+000		0.000e+000 <-
168 Pentachlorobenzene	++++	++++	++++	++++	++++	++++					
	++++						AVRG		0.000e+000		0.000e+000 <-
145 4,4'-DDE	++++	++++	++++	++++	++++	++++					
	++++						AVRG		0.000e+000		0.000e+000 <-
146 4,4'-DDD	++++	++++	++++	++++	++++	++++					
	++++						AVRG		0.000e+000		0.000e+000 <-
147 4,4'-DDT	++++	++++	++++	++++	++++	++++					
	++++						AVRG		0.000e+000		0.000e+000 <-
148 Dieldrin	++++	++++	++++	++++	++++	++++					
	++++						AVRG		0.000e+000		0.000e+000 <-
149 TCMX	++++	++++	++++	++++	++++	++++					
	++++						AVRG		0.000e+000		0.000e+000 <-

ARI Labs, Inc.

INITIAL CALIBRATION DATA

Start Cal Date : 23-JUN-2022 09:16
 End Cal Date : 23-JUN-2022 13:07
 Quant Method : ISTD
 Origin : Force
 Target Version : 4.14
 Integrator : HP RTE
 Method file : \\target\share\chem3\nt10.i\20220623.b\ABN.m
 Last Edit : 24-Jun-2022 08:19 yev

Compound	0.2000000	0.5000000	1.0000	2.5000	5.0000	10.0000	Curve	b	Coefficients		%RSD or R^2
	Level 1	Level 2	Level 3	Level 4	Level 5	Level 6			m1	m2	
	20.0000										
	Level 7										
150 DCBP	+++++	+++++	+++++	+++++	+++++	+++++					
	+++++						AVRG		0.000e+000		0.000e+000 <-
138 Chlorobenzilate	+++++	+++++	+++++	+++++	+++++	+++++					
	+++++						AVRG		0.000e+000		0.000e+000 <-
139 Isodrin	+++++	+++++	+++++	+++++	+++++	+++++					
	+++++						AVRG		0.000e+000		0.000e+000 <-
140 Diallate A	+++++	+++++	+++++	+++++	+++++	+++++					
	+++++						AVRG		0.000e+000		0.000e+000 <-
141 Diallate B	+++++	+++++	+++++	+++++	+++++	+++++					
	+++++						AVRG		0.000e+000		0.000e+000 <-
142 1,2-Dibromo-3-Chloropropane	+++++	+++++	+++++	+++++	+++++	+++++					
	+++++						AVRG		0.000e+000		0.000e+000 <-
135 2,3,5,6-Tetrachlorophenol	+++++	+++++	+++++	+++++	+++++	+++++					
	+++++						AVRG		0.000e+000		0.000e+000 <-

ARI Labs, Inc.

INITIAL CALIBRATION DATA

Start Cal Date : 23-JUN-2022 09:16
 End Cal Date : 23-JUN-2022 13:07
 Quant Method : ISTD
 Origin : Force
 Target Version : 4.14
 Integrator : HP RTE
 Method file : \\target\share\chem3\nt10.i\20220623.b\ABN.m
 Last Edit : 24-Jun-2022 08:19 yev

Compound	0.2000000	0.5000000	1.0000	2.5000	5.0000	10.0000	Curve	b	Coefficients		%RSD or R^2
	Level 1	Level 2	Level 3	Level 4	Level 5	Level 6			m1	m2	
	20.0000										
	Level 7										
136 2,3,4,5-tetrachlorophenol	++++	++++	++++	++++	++++	++++					
	++++						AVRG		0.000e+000		0.000e+000 <-
133 Butylatedhydroxytoluene	++++	++++	++++	++++	++++	++++					
	++++						AVRG		0.000e+000		0.000e+000 <-
132 3,6-Dimethylphenanthrene	++++	++++	++++	++++	++++	++++					
	++++						AVRG		0.000e+000		0.000e+000 <-
131 1-Methylphenanthrene	++++	++++	++++	++++	++++	++++					
	++++						AVRG		0.000e+000		0.000e+000 <-
130 Dibenzothiophene	++++	++++	++++	++++	++++	++++					
	++++						AVRG		0.000e+000		0.000e+000 <-
129 1-Methylfluorene	++++	++++	++++	++++	++++	++++					
	++++						AVRG		0.000e+000		0.000e+000 <-
128 N-Hexadecane	++++	++++	++++	++++	++++	++++					
	++++						AVRG		0.000e+000		0.000e+000 <-

ARI Labs, Inc.

INITIAL CALIBRATION DATA

Start Cal Date : 23-JUN-2022 09:16
 End Cal Date : 23-JUN-2022 13:07
 Quant Method : ISTD
 Origin : Force
 Target Version : 4.14
 Integrator : HP RTE
 Method file : \\target\share\chem3\nt10.i\20220623.b\ABN.m
 Last Edit : 24-Jun-2022 08:19 yev

Compound	0.2000000	0.5000000	1.0000	2.5000	5.0000	10.0000	Curve	b	Coefficients		%RSD or R^2
	Level 1	Level 2	Level 3	Level 4	Level 5	Level 6			m1	m2	
	20.0000										
	Level 7										
127 2-Isopropyl-naphthalene	+++++	+++++	+++++	+++++	+++++	+++++					
	+++++						AVRG		0.000e+000		0.000e+000 <-
126 N-Tetradecane	+++++	+++++	+++++	+++++	+++++	+++++					
	+++++						AVRG		0.000e+000		0.000e+000 <-
144 alpha-Terpineol	+++++	+++++	+++++	+++++	+++++	+++++					
	+++++						AVRG		0.000e+000		0.000e+000 <-
125 Safrole	+++++	+++++	+++++	+++++	+++++	+++++					
	+++++						AVRG		0.000e+000		0.000e+000 <-
124 3,4-Dimethylphenol	+++++	+++++	+++++	+++++	+++++	+++++					
	+++++						AVRG		0.000e+000		0.000e+000 <-
123 Acetophenone	+++++	+++++	+++++	+++++	+++++	+++++					
	+++++						AVRG		0.000e+000		0.000e+000 <-
122 Furfuraldehyde	+++++	+++++	+++++	+++++	+++++	+++++					
	+++++						AVRG		0.000e+000		0.000e+000 <-

ARI Labs, Inc.

INITIAL CALIBRATION DATA

Start Cal Date : 23-JUN-2022 09:16
 End Cal Date : 23-JUN-2022 13:07
 Quant Method : ISTD
 Origin : Force
 Target Version : 4.14
 Integrator : HP RTE
 Method file : \\target\share\chem3\nt10.i\20220623.b\ABN.m
 Last Edit : 24-Jun-2022 08:19 yev

Compound	0.2000000	0.5000000	1.0000	2.5000	5.0000	10.0000	Curve	b	Coefficients		%RSD or R^2
	Level 1	Level 2	Level 3	Level 4	Level 5	Level 6			m1	m2	
	20.0000										
	Level 7										
143 1,4-Dioxane	++++	++++	++++	++++	++++	++++					
	++++						AVRG		0.000e+000		0.000e+000 <-
121 Quinoline	++++	++++	++++	++++	++++	++++					
	++++						AVRG		0.000e+000		0.000e+000 <-
120 2,3,4,6-Tetrachlorophenol	2522	7918	17778	59028	115642	232972					
	375954						QUAD	0.000e+000	2.82915	0.08883	0.99875
178 2-Benzyl-4-Chlorophenol	++++	++++	++++	++++	++++	++++					
	++++						AVRG		0.000e+000		0.000e+000 <-
119 7,12-Dimethylbenz(a)anthracen	++++	++++	++++	++++	++++	++++					
	++++						AVRG		0.000e+000		0.000e+000 <-
118 Triphenyl Phosphate	++++	++++	++++	++++	++++	++++					
	++++						AVRG		0.000e+000		0.000e+000 <-
117 Butyl Diphenyl Phosphate	++++	++++	++++	++++	++++	++++					
	++++						AVRG		0.000e+000		0.000e+000 <-

ARI Labs, Inc.

INITIAL CALIBRATION DATA

Start Cal Date : 23-JUN-2022 09:16
 End Cal Date : 23-JUN-2022 13:07
 Quant Method : ISTD
 Origin : Force
 Target Version : 4.14
 Integrator : HP RTE
 Method file : \\target\share\chem3\nt10.i\20220623.b\ABN.m
 Last Edit : 24-Jun-2022 08:19 yev

Compound	0.2000000	0.5000000	1.0000	2.5000	5.0000	10.0000	Curve	b	Coefficients		%RSD or R^2
	Level 1	Level 2	Level 3	Level 4	Level 5	Level 6			m1	m2	
	20.0000										
	Level 7										
116 Dibutyl Phenyl Phosphate	+++++	+++++	+++++	+++++	+++++	+++++					
	+++++						AVRG		0.000e+000		0.000e+000<-
115 Tributyl Phosphate	+++++	+++++	+++++	+++++	+++++	+++++					
	+++++						AVRG		0.000e+000		0.000e+000<-
114 Beta-Pinene	+++++	+++++	+++++	+++++	+++++	+++++					
	+++++						AVRG		0.000e+000		0.000e+000<-
113 Diphenyl Oxide	+++++	+++++	+++++	+++++	+++++	+++++					
	+++++						AVRG		0.000e+000		0.000e+000<-
112 Biphenyl	+++++	+++++	+++++	+++++	+++++	+++++					
	+++++						AVRG		0.000e+000		0.000e+000<-
111 Azobenzene (1,2-DP-Hydrazine)	1.67621	1.66064	1.59575	1.61792	1.58548	1.53055					
	1.51619						AVRG		1.59754		3.77656
110 Tetrachloroguaiacol	+++++	+++++	+++++	+++++	+++++	+++++					
	+++++						AVRG		0.000e+000		0.000e+000<-

ARI Labs, Inc.

INITIAL CALIBRATION DATA

Start Cal Date : 23-JUN-2022 09:16
 End Cal Date : 23-JUN-2022 13:07
 Quant Method : ISTD
 Origin : Force
 Target Version : 4.14
 Integrator : HP RTE
 Method file : \\target\share\chem3\nt10.i\20220623.b\ABN.m
 Last Edit : 24-Jun-2022 08:19 yev

Compound	0.2000000	0.5000000	1.0000	2.5000	5.0000	10.0000	Curve	b	Coefficients		%RSD or R^2
	Level 1	Level 2	Level 3	Level 4	Level 5	Level 6			m1	m2	
	20.0000										
	Level 7										
109 3,4,5-Trichloroguaiacol	+++++	+++++	+++++	+++++	+++++	+++++					
	+++++						AVRG		0.000e+000		0.000e+000 <-
181 3,4,6-Trichloroguaiacol	+++++	+++++	+++++	+++++	+++++	+++++					
	+++++						AVRG		0.000e+000		0.000e+000 <-
108 4,5,6-Trichloroguaiacol	+++++	+++++	+++++	+++++	+++++	+++++					
	+++++						AVRG		0.000e+000		0.000e+000 <-
184 3,4-Dichloroguaiacol	+++++	+++++	+++++	+++++	+++++	+++++					
	+++++						AVRG		0.000e+000		0.000e+000 <-
107 4,5-Dichloroguaiacol	+++++	+++++	+++++	+++++	+++++	+++++					
	+++++						AVRG		0.000e+000		0.000e+000 <-
182 4,6-Dichloroguaiacol	+++++	+++++	+++++	+++++	+++++	+++++					
	+++++						AVRG		0.000e+000		0.000e+000 <-
185 4-Chloroguaiacol	+++++	+++++	+++++	+++++	+++++	+++++					
	+++++						AVRG		0.000e+000		0.000e+000 <-

ARI Labs, Inc.

INITIAL CALIBRATION DATA

Start Cal Date : 23-JUN-2022 09:16
 End Cal Date : 23-JUN-2022 13:07
 Quant Method : ISTD
 Origin : Force
 Target Version : 4.14
 Integrator : HP RTE
 Method file : \\target\share\chem3\nt10.i\20220623.b\ABN.m
 Last Edit : 24-Jun-2022 08:19 yev

Compound	0.2000000	0.5000000	1.0000	2.5000	5.0000	10.0000	Curve	b	Coefficients		%RSD or R^2
	Level 1	Level 2	Level 3	Level 4	Level 5	Level 6			m1	m2	
	20.0000										
	Level 7										
106 Guaiacol	++++	++++	++++	++++	++++	++++					
	++++						AVRG		0.000e+000		0.000e+000 <-
105 1-methylnaphthalene	0.86419	0.88348	0.89566	1.02481	1.07556	1.10880					
	1.14462						AVRG		0.99959		11.69395
151 1,2,4,5-Tetrachlorobenzene	++++	++++	++++	++++	++++	++++					
	++++						AVRG		0.000e+000		0.000e+000 <-
152 Benzo(e)pyrene	++++	++++	++++	++++	++++	++++					
	++++						AVRG		0.000e+000		0.000e+000 <-
153 Chlorpyrifos	++++	++++	++++	++++	++++	++++					
	++++						AVRG		0.000e+000		0.000e+000 <-
154 Diazinon	++++	++++	++++	++++	++++	++++					
	++++						AVRG		0.000e+000		0.000e+000 <-
155 Kelthane	++++	++++	++++	++++	++++	++++					
	++++						AVRG		0.000e+000		0.000e+000 <-

ARI Labs, Inc.

INITIAL CALIBRATION DATA

Start Cal Date : 23-JUN-2022 09:16
 End Cal Date : 23-JUN-2022 13:07
 Quant Method : ISTD
 Origin : Force
 Target Version : 4.14
 Integrator : HP RTE
 Method file : \\target\share\chem3\nt10.i\20220623.b\ABN.m
 Last Edit : 24-Jun-2022 08:19 yev

Compound	0.2000000	0.5000000	1.0000	2.5000	5.0000	10.0000	Curve	b	Coefficients		%RSD or R^2
	Level 1	Level 2	Level 3	Level 4	Level 5	Level 6			m1	m2	
	20.0000										
	Level 7										
156 Methyl Parathion	+++++	+++++	+++++	+++++	+++++	+++++					
	+++++						AVRG		0.000e+000		0.000e+000 <-
157 Ethyl Parathion	+++++	+++++	+++++	+++++	+++++	+++++					
	+++++						AVRG		0.000e+000		0.000e+000 <-
158 Ethion	+++++	+++++	+++++	+++++	+++++	+++++					
	+++++						AVRG		0.000e+000		0.000e+000 <-
159 4-Nonylphenol	+++++	+++++	+++++	+++++	+++++	+++++					
	+++++						AVRG		0.000e+000		0.000e+000 <-
160 Tetraethyl Tin	+++++	+++++	+++++	+++++	+++++	+++++					
	+++++						AVRG		0.000e+000		0.000e+000 <-
161 1,2,3-Trichloronaphthalene	+++++	+++++	+++++	+++++	+++++	+++++					
	+++++						AVRG		0.000e+000		0.000e+000 <-
162 1,2,3,4-Tetrachloronaphthalene	+++++	+++++	+++++	+++++	+++++	+++++					
	+++++						AVRG		0.000e+000		0.000e+000 <-

ARI Labs, Inc.

INITIAL CALIBRATION DATA

Start Cal Date : 23-JUN-2022 09:16
 End Cal Date : 23-JUN-2022 13:07
 Quant Method : ISTD
 Origin : Force
 Target Version : 4.14
 Integrator : HP RTE
 Method file : \\target\share\chem3\nt10.i\20220623.b\ABN.m
 Last Edit : 24-Jun-2022 08:19 yev

Compound	0.2000000	0.5000000	1.0000	2.5000	5.0000	10.0000	Curve	b	Coefficients		%RSD or R^2
	Level 1	Level 2	Level 3	Level 4	Level 5	Level 6			m1	m2	
	20.0000										
	Level 7										
163 1,2,3,5,8-Pentachloronaphthal	++++	++++	++++	++++	++++	++++					
	++++						AVRG		0.000e+000		0.000e+000 <-
164 1,2,3,4,6,7-Hexachloronaphtha	++++	++++	++++	++++	++++	++++					
	++++						AVRG		0.000e+000		0.000e+000 <-
165 1,2,3,4,5,6,7-Heptachloronaph	++++	++++	++++	++++	++++	++++					
	++++						AVRG		0.000e+000		0.000e+000 <-
166 Octachloronaphthalene	++++	++++	++++	++++	++++	++++					
	++++						AVRG		0.000e+000		0.000e+000 <-
167 2,2',4,4',5-Pentabromobipheny	++++	++++	++++	++++	++++	++++					
	++++						AVRG		0.000e+000		0.000e+000 <-
3 Phenol	1.96821	1.91090	1.89229	1.98347	1.90027	1.83547					
	1.72884						AVRG		1.88849		4.55172
4 Bis(2-Chloroethyl)ether	1.53664	1.36688	1.41359	1.36328	1.31534	1.26138					
	1.25674						AVRG		1.35912		7.14049

ARI Labs, Inc.

INITIAL CALIBRATION DATA

Start Cal Date : 23-JUN-2022 09:16
 End Cal Date : 23-JUN-2022 13:07
 Quant Method : ISTD
 Origin : Force
 Target Version : 4.14
 Integrator : HP RTE
 Method file : \\target\share\chem3\nt10.i\20220623.b\ABN.m
 Last Edit : 24-Jun-2022 08:19 yev

Compound	0.2000000	0.5000000	1.0000	2.5000	5.0000	10.0000	Curve	b	Coefficients		%RSD or R ²
	Level 1	Level 2	Level 3	Level 4	Level 5	Level 6			m1	m2	
	20.0000										
	Level 7										
6 2-Chlorophenol	1.59884	1.51734	1.50909	1.49163	1.47871	1.43330					
	1.51009						AVRG		1.50557		3.32195
7 1,3-Dichlorobenzene	1.80398	1.74222	1.67697	1.64465	1.57390	1.51033					
	1.44685						AVRG		1.62841		7.77889
9 1,4-Dichlorobenzene	1.30774	1.28040	1.24358	1.30938	1.31465	1.26905					
	1.26045						AVRG		1.28361		2.15026
11 Benzyl alcohol	0.65494	0.64230	0.71340	0.78306	0.83417	0.82665					
	0.81155						AVRG		0.75230		10.82341
12 1,2-Dichlorobenzene	1.47824	1.38256	1.36501	1.38229	1.35675	1.29756					
	1.27619						AVRG		1.36266		4.82128
13 2-Methylphenol	1.19383	1.18518	1.15296	1.16005	1.18343	1.17976					
	1.09538						AVRG		1.16437		2.89315
14 2,2'-oxybis(1-Chloropropane)	0.33993	0.32674	0.33192	0.31337	0.31868	0.30868					
	0.31646						AVRG		0.32225		3.43545

ARI Labs, Inc.

INITIAL CALIBRATION DATA

Start Cal Date : 23-JUN-2022 09:16
 End Cal Date : 23-JUN-2022 13:07
 Quant Method : ISTD
 Origin : Force
 Target Version : 4.14
 Integrator : HP RTE
 Method file : \\target\share\chem3\nt10.i\20220623.b\ABN.m
 Last Edit : 24-Jun-2022 08:19 yev

Compound	0.2000000	0.5000000	1.0000	2.5000	5.0000	10.0000	Curve	b	Coefficients		%RSD or R ²
	Level 1	Level 2	Level 3	Level 4	Level 5	Level 6			m1	m2	
	20.0000										
	Level 7										
15 4-Methylphenol	1.23754	1.25542	1.23988	1.27541	1.26300	1.25664					
	1.18254						AVRG		1.24435		2.42699
16 N-Nitroso-di-n-propylamine	0.90125	0.84084	0.79656	0.83055	0.79128	0.76711					
	0.74090						AVRG		0.80978		6.54321
17 Hexachloroethane	0.56454	0.55837	0.54385	0.56474	0.58078	0.59214					
	0.60094						AVRG		0.57219		3.50024
19 Nitrobenzene	0.44963	0.41815	0.39953	0.42525	0.44760	0.42735					
	0.43540						AVRG		0.42899		4.05529
20 Isophorone	0.54447	0.53230	0.53361	0.63163	0.67969	0.69272					
	0.72964						AVRG		0.62058		13.45996
21 2-Nitrophenol	0.23595	0.23533	0.26759	0.28727	0.28530	0.29192					
	0.29337						AVRG		0.27096		9.43225
22 2,4-Dimethylphenol	+++++	0.34627	0.33944	0.35201	0.33354	0.30895					
	0.29477						AVRG		0.32916		6.83512

ARI Labs, Inc.

INITIAL CALIBRATION DATA

Start Cal Date : 23-JUN-2022 09:16
 End Cal Date : 23-JUN-2022 13:07
 Quant Method : ISTD
 Origin : Force
 Target Version : 4.14
 Integrator : HP RTE
 Method file : \\target\share\chem3\nt10.i\20220623.b\ABN.m
 Last Edit : 24-Jun-2022 08:19 yev

Compound	0.2000000	0.5000000	1.0000	2.5000	5.0000	10.0000	Curve	b	Coefficients		%RSD or R ²
	Level 1	Level 2	Level 3	Level 4	Level 5	Level 6			m1	m2	
	20.0000										
	Level 7										
23 Bis(2-Chloroethoxy)methane	0.44260 0.36223	0.39955	0.37264	0.34534	0.34085	0.34669					
							AVRG		0.37284		9.88865
24 Benzoic acid	++++ 1516010	16272	41871	175321	448309	827687					
							QUAD	0.000e+000	5.90056	-0.24906	0.99848
25 2,4-Dichlorophenol	++++ 0.30758	0.33169	0.32940	0.35445	0.34890	0.33521					
							AVRG		0.33454		4.93775
26 1,2,4-Trichlorobenzene	0.41198 ++++	0.38263	0.35904	0.35110	0.34396	0.30581					
							AVRG		0.35909		10.02714
28 Naphthalene	0.97056 1.12870	0.94786	0.94617	1.01707	1.07268	1.08303					
							AVRG		1.02372		7.08602
29 4-Chloroaniline	++++ 0.52886	0.36008	0.39533	0.44309	0.48885	0.49595					
							AVRG		0.45203		14.31565
30 Hexachlorobutadiene	0.17764 0.16188	0.16863	0.16589	0.17914	0.18190	0.16407					
							AVRG		0.17131		4.71586

ARI Labs, Inc.

INITIAL CALIBRATION DATA

Start Cal Date : 23-JUN-2022 09:16
 End Cal Date : 23-JUN-2022 13:07
 Quant Method : ISTD
 Origin : Force
 Target Version : 4.14
 Integrator : HP RTE
 Method file : \\target\share\chem3\nt10.i\20220623.b\ABN.m
 Last Edit : 24-Jun-2022 08:19 yev

Compound	0.2000000	0.5000000	1.0000	2.5000	5.0000	10.0000	Curve	Coefficients			%RSD or R ²
	Level 1	Level 2	Level 3	Level 4	Level 5	Level 6		b	m1	m2	
	20.0000										
	Level 7										
31 4-Chloro-3-methylphenol	++++ 1648645	45423	90206	258509	495209	937972	QUAD	0.000e+000	2.53921	-0.06613	0.99979
32 2-Methylnaphthalene	0.86196 1.20352	0.88579	0.88533	1.03704	1.10951	1.13891	AVRG		1.01744		13.73663
33 Hexachlorocyclopentadiene	++++ 752915	2609	11058	58265	148627	360503	QUAD	0.000e+000	4.38799	-0.42165	0.99698
34 2,4,6-Trichlorophenol	++++ 0.49083	0.36479	0.38695	0.46823	0.51282	0.50403	AVRG		0.45461		13.90240
35 2,4,5-Trichlorophenol	++++ 1182965	32038	70179	189477	389418	701825	QUAD	0.000e+000	1.83047	0.01322	0.99960
37 2-Chloronaphthalene	1.55650 1.58619	1.56774	1.52925	1.62421	1.69175	1.61430	AVRG		1.59571		3.35621
38 2-Nitroaniline	++++ 0.45918	0.35776	0.38253	0.43660	0.46161	0.46335	AVRG		0.42684		10.69387

ARI Labs, Inc.

INITIAL CALIBRATION DATA

Start Cal Date : 23-JUN-2022 09:16
 End Cal Date : 23-JUN-2022 13:07
 Quant Method : ISTD
 Origin : Force
 Target Version : 4.14
 Integrator : HP RTE
 Method file : \\target\share\chem3\nt10.i\20220623.b\ABN.m
 Last Edit : 24-Jun-2022 08:19 yev

Compound	0.2000000	0.5000000	1.0000	2.5000	5.0000	10.0000	Curve	b	Coefficients		%RSD or R^2
	Level 1	Level 2	Level 3	Level 4	Level 5	Level 6			m1	m2	
	20.0000										
	Level 7										
39 Dimethylphthalate	1.57925 1.11617	1.58198	1.48312	1.45155	1.39606	1.21106					
							AVRG		1.40274		12.72037
40 Acenaphthylene	2.53952 1.94909	2.50075	2.56826	2.54738	2.20204	2.06046					
							AVRG		2.33821		11.18966
41 2,6-Dinitrotoluene	++++ 0.31532	0.32837	0.32118	0.33617	0.33643	0.31724					
							AVRG		0.32579		2.85219
43 3-Nitroaniline	++++ 0.41160	0.35277	0.36810	0.39653	0.39173	0.38038					
							AVRG		0.38352		5.49278
44 Acenaphthene	1.07025 1.29187	1.07450	1.07437	1.15705	1.24129	1.23382					
							AVRG		1.16331		8.00852
45 2,4-Dinitrophenol	++++ 850978	2886	13016	74917	209512	431205					
							QUAD	0.000e+000	6.93024	-0.43757	0.99796 <-
46 Dibenzofuran	1.66981 1.91191	1.73653	1.75240	1.90805	2.00257	1.96011					
							AVRG		1.84877		6.89386

ARI Labs, Inc.

INITIAL CALIBRATION DATA

Start Cal Date : 23-JUN-2022 09:16
 End Cal Date : 23-JUN-2022 13:07
 Quant Method : ISTD
 Origin : Force
 Target Version : 4.14
 Integrator : HP RTE
 Method file : \\target\share\chem3\nt10.i\20220623.b\ABN.m
 Last Edit : 24-Jun-2022 08:19 yev

Compound	0.2000000	0.5000000	1.0000	2.5000	5.0000	10.0000	Curve	Coefficients			%RSD or R ²
	Level 1	Level 2	Level 3	Level 4	Level 5	Level 6		b	m1	m2	
	20.0000										
	Level 7										
47 4-Nitrophenol	++++ 311232	6606	14046	44797	90731	172452	QUAD	0.000e+000	7.99563	-0.56014	0.99963
48 2,4-Dinitrotoluene	++++ 0.45952	0.37555	0.38788	0.44938	0.47807	0.46217	AVRG		0.43543		9.82686
49 Fluorene	2.39897 2.00257	2.37444	2.21843	2.21538	2.19666	2.05708	AVRG		2.20908		6.64871
50 Diethylphthalate	1.22001 1.04900	1.26388	1.23347	1.27297	1.24568	1.13821	AVRG		1.20332		6.74743
51 4-Chlorophenyl-phenylether	1.05163 0.93454	1.01474	0.92465	0.97637	0.96423	0.92457	AVRG		0.97011		5.00004
52 4-Nitroaniline	0.37714 0.42086	0.38098	0.40381	0.31177	0.39296	0.40136	AVRG		0.38413		9.14676
53 4,6-Dinitro-2-methylphenol	++++ 1227039	25336	60131	198043	394977	724363	QUAD	0.000e+000	6.37304	0.04100	0.99957

ARI Labs, Inc.

INITIAL CALIBRATION DATA

Start Cal Date : 23-JUN-2022 09:16
 End Cal Date : 23-JUN-2022 13:07
 Quant Method : ISTD
 Origin : Force
 Target Version : 4.14
 Integrator : HP RTE
 Method file : \\target\share\chem3\nt10.i\20220623.b\ABN.m
 Last Edit : 24-Jun-2022 08:19 yev

Compound	0.2000000	0.5000000	1.0000	2.5000	5.0000	10.0000	Curve	b	Coefficients		%RSD or R ²
	Level 1	Level 2	Level 3	Level 4	Level 5	Level 6			m1	m2	
	20.0000										
	Level 7										
54 N-Nitrosodiphenylamine	0.74310	0.70166	0.67244	0.63711	0.61007	0.52953					
	0.50886						AVRG		0.62897		13.75945
56 4-Bromophenyl-phenylether	0.28756	0.27938	0.28495	0.29543	0.31306	0.29078					
	0.28873						AVRG		0.29141		3.68947
57 Hexachlorobenzene	10648	25122	45982	101607	172171	285662					
	469385						QUAD	0.000e+000	3.55370	0.60524	0.99961
58 Pentachlorophenol	++++	2044	5380	26726	79388	156587					
	309014						QUAD	0.000e+000	16.71335	-4.93224	0.99770
60 Phenanthrene	1.02586	0.97267	0.97875	1.03284	1.09208	1.08694					
	1.16699						AVRG		1.05088		6.58706
61 Anthracene	1.01592	1.00306	1.03519	1.11696	1.21490	1.19114					
	1.26196						AVRG		1.11988		9.36022
62 Carbazole	0.98523	0.97157	1.03086	1.09523	1.05682	0.97370					
	1.11861						AVRG		1.03315		5.77338

ARI Labs, Inc.

INITIAL CALIBRATION DATA

Start Cal Date : 23-JUN-2022 09:16
 End Cal Date : 23-JUN-2022 13:07
 Quant Method : ISTD
 Origin : Force
 Target Version : 4.14
 Integrator : HP RTE
 Method file : \\target\share\chem3\nt10.i\20220623.b\ABN.m
 Last Edit : 24-Jun-2022 08:19 yev

Compound	0.2000000	0.5000000	1.0000	2.5000	5.0000	10.0000	Curve	Coefficients			%RSD or R ²
	Level 1	Level 2	Level 3	Level 4	Level 5	Level 6		b	m1	m2	
	20.0000										
	Level 7										
63 Di-n-butylphthalate	40092 3715420	98413	187086	529822	1025442	1927524	QUAD	0.000e+000	0.64704	-0.01179	0.99984
64 Fluoranthene	46853 3863710	115483	219365	582487	1069189	2071939	QUAD	0.000e+000	0.35570	-0.00374	0.99836
65 Pyrene	51909 3487447	113683	228765	558362	871526	1875158	QUAD	0.000e+000	0.40673	-0.00543	0.99978
67 Butylbenzylphthalate	0.79328 0.83471	0.83575	0.67783	0.77559	0.93063	0.80869	AVRG		0.80807		9.41558
68 Benzo(a)anthracene	1.77171 1.69853	1.74589	1.60203	1.67843	1.69079	1.67747	AVRG		1.69498		3.20714
70 3,3'-Dichlorobenzidine	0.57574 0.59063	0.58284	0.55217	0.60204	0.52012	0.44275	AVRG		0.55233		10.04315
71 Chrysene	26170 1762178	52304	123360	253904	373084	899292	QUAD	0.000e+000	0.89289	-0.03258	0.99969

ARI Labs, Inc.

INITIAL CALIBRATION DATA

Start Cal Date : 23-JUN-2022 09:16
 End Cal Date : 23-JUN-2022 13:07
 Quant Method : ISTD
 Origin : Force
 Target Version : 4.14
 Integrator : HP RTE
 Method file : \\target\share\chem3\nt10.i\20220623.b\ABN.m
 Last Edit : 24-Jun-2022 08:19 yev

Compound	0.2000000	0.5000000	1.0000	2.5000	5.0000	10.0000	Curve	b	Coefficients		%RSD or R ²
	Level 1	Level 2	Level 3	Level 4	Level 5	Level 6			m1	m2	
	20.0000										
	Level 7										
72 bis(2-Ethylhexyl)phthalate	0.46316 0.44169	0.42515	0.40155	0.42715	0.49607	0.44012					
							AVRG		0.44213		6.85749
73 Di-n-octylphthalate	0.96629 0.88084	0.89419	0.88895	0.91235	0.91521	0.90628					
							AVRG		0.90916		3.09573
74 Benzo(b)fluoranthene	1.75667 2.05997	1.66025	1.62708	1.74849	1.88547	1.94280					
							AVRG		1.81153		8.67890
75 Benzo(k)fluoranthene	1.63600 1.76357	1.79111	1.74054	1.75954	1.85068	1.65213					
							AVRG		1.74194		4.34113
187 Total Benzofluoranthenes	1.64374 1.83934	1.63147	1.61036	1.67361	1.70135	1.72353					
							AVRG		1.68906		4.56843
76 Benzo(a)pyrene	1.46644 1.68059	1.33980	1.42842	1.48748	1.43593	1.53984					
							AVRG		1.48264		7.19442
78 Indeno(1,2,3-cd)pyrene	1.53355 1.67189	1.57781	1.44694	1.58619	1.69283	1.57202					
							AVRG		1.58304		5.22690

ARI Labs, Inc.

INITIAL CALIBRATION DATA

Start Cal Date : 23-JUN-2022 09:16
 End Cal Date : 23-JUN-2022 13:07
 Quant Method : ISTD
 Origin : Force
 Target Version : 4.14
 Integrator : HP RTE
 Method file : \\target\share\chem3\nt10.i\20220623.b\ABN.m
 Last Edit : 24-Jun-2022 08:19 yev

Compound	0.2000000	0.5000000	1.0000	2.5000	5.0000	10.0000	Curve	b	Coefficients		%RSD or R^2
	Level 1	Level 2	Level 3	Level 4	Level 5	Level 6			m1	m2	
	20.0000										
	Level 7										
79 Dibenzo(a,h)anthracene	1.23268 1.22494	1.25781	1.12184	1.20657	1.27817	1.16109					
							AVRG		1.21187		4.49733
80 Benzo(g,h,i)perylene	1.27305 1.36525	1.17262	1.19316	1.30385	1.27544	1.27462					
							AVRG		1.26543		5.15359
90 N-Nitrosodimethylamine	0.91395 0.94292	0.91455	0.95488	0.98881	0.99603	0.97844					
							AVRG		0.95565		3.53311
91 Aniline	++++ 1.64784	2.13987	2.03121	1.93680	1.83694	1.73997					
							AVRG		1.88877		9.71991
92 1,2-Diphenylhydrazine	++++ ++++	++++	++++	++++	++++	++++					
							AVRG		0.000e+000		0.000e+000 <-
93 Benzidine	++++ 0.48622	0.70886	0.68971	0.66038	0.54878	0.44672					
							AVRG		0.59011		18.87351 <-
96 p-Cymene	++++ ++++	++++	++++	++++	++++	++++					
							AVRG		0.000e+000		0.000e+000 <-

ARI Labs, Inc.

INITIAL CALIBRATION DATA

Start Cal Date : 23-JUN-2022 09:16
 End Cal Date : 23-JUN-2022 13:07
 Quant Method : ISTD
 Origin : Force
 Target Version : 4.14
 Integrator : HP RTE
 Method file : \\target\share\chem3\nt10.i\20220623.b\ABN.m
 Last Edit : 24-Jun-2022 08:19 yev

Compound	0.2000000	0.5000000	1.0000	2.5000	5.0000	10.0000	Curve	b	Coefficients		%RSD or R^2
	Level 1	Level 2	Level 3	Level 4	Level 5	Level 6			m1	m2	
	20.0000										
	Level 7										
97 Caffeine	+++++	+++++	+++++	+++++	+++++	+++++					
	+++++						AVRG		0.000e+000		0.000e+000 <-
98 Retene	+++++	+++++	+++++	+++++	+++++	+++++					
	+++++						AVRG		0.000e+000		0.000e+000 <-
99 Perylene	+++++	+++++	+++++	+++++	+++++	+++++					
	+++++						AVRG		0.000e+000		0.000e+000 <-
100 3-beta-Coprostanol	+++++	+++++	+++++	+++++	+++++	+++++					
	+++++						AVRG		0.000e+000		0.000e+000 <-
101 Cholesterol	+++++	+++++	+++++	+++++	+++++	+++++					
	+++++						AVRG		0.000e+000		0.000e+000 <-
102 beta-Sitosterol	+++++	+++++	+++++	+++++	+++++	+++++					
	+++++						AVRG		0.000e+000		0.000e+000 <-
103 Pyridine	2.94543	2.76432	2.73043	2.65029	2.62140	2.54616					
	2.70519						AVRG		2.70903		4.69513

ARI Labs, Inc.

INITIAL CALIBRATION DATA

Start Cal Date : 23-JUN-2022 09:16
 End Cal Date : 23-JUN-2022 13:07
 Quant Method : ISTD
 Origin : Force
 Target Version : 4.14
 Integrator : HP RTE
 Method file : \\target\share\chem3\nt10.i\20220623.b\ABN.m
 Last Edit : 24-Jun-2022 08:19 yev

Compound	0.2000000	0.5000000	1.0000	2.5000	5.0000	10.0000	Curve	b	Coefficients		%RSD or R ²
	Level 1	Level 2	Level 3	Level 4	Level 5	Level 6			m1	m2	
	20.0000										
	Level 7										
188 2,6-Dichlorophenol	++++	++++	++++	++++	++++	++++					
	++++						AVRG		0.000e+000		0.000e+000 <-
189 N-Nitrosomethylethylamine	++++	++++	++++	++++	++++	++++					
	++++						AVRG		0.000e+000		0.000e+000 <-
\$ 1 2-Fluorophenol	1.40265	1.50733	1.48086	1.56222	1.48768	1.42330					
	1.36026						AVRG		1.46062		4.71616
\$ 137 d8-1,4-Dioxane	++++	++++	++++	++++	++++	++++					
	++++						AVRG		0.000e+000		0.000e+000 <-
\$ 2 Phenol-d5	1.77390	1.93915	1.93945	2.29366	2.29602	2.42961					
	2.49886						AVRG		2.16723		12.91429
\$ 5 2-Chlorophenol-d4	1.44747	1.47371	1.42327	1.51230	1.47331	1.59680					
	1.49108						AVRG		1.48828		3.75010
\$ 10 1,2-Dichlorobenzene-d4	0.90174	0.90976	0.90276	0.95988	0.91733	0.92102					
	0.90706						AVRG		0.91708		2.19975

ARI Labs, Inc.

INITIAL CALIBRATION DATA

Start Cal Date : 23-JUN-2022 09:16
 End Cal Date : 23-JUN-2022 13:07
 Quant Method : ISTD
 Origin : Force
 Target Version : 4.14
 Integrator : HP RTE
 Method file : \\target\share\chem3\nt10.i\20220623.b\ABN.m
 Last Edit : 24-Jun-2022 08:19 yev

Compound	0.2000000	0.5000000	1.0000	2.5000	5.0000	10.0000	Curve	b	Coefficients		%RSD or R ²
	Level 1	Level 2	Level 3	Level 4	Level 5	Level 6			m1	m2	
	20.0000										
	Level 7										
\$ 18 Nitrobenzene-d5	0.39592	0.40968	0.40452	0.44404	0.44356	0.44114					
	0.44051						AVRG		0.42562		4.98841
\$ 36 2-Fluorobiphenyl	1.69711	1.83207	1.79458	1.94320	1.89024	1.81582					
	1.69777						AVRG		1.81011		5.05727
\$ 55 2,4,6-Tribromophenol	3145	7895	18510	51241	98411	179842					
	318978						QUAD	0.000e+000	5.54833	-0.18260	0.99984
\$ 66 Terphenyl-d14	1.31725	1.44351	1.29329	1.41255	1.54978	1.35893					
	++++						AVRG		1.39588		6.74359
\$ 85 p-Cresol-d4	++++	++++	++++	++++	++++	++++					
	++++						AVRG		0.000e+000		0.000e+000 <-
\$ 86 Anthracene-d10	++++	++++	++++	++++	++++	++++					
	++++						AVRG		0.000e+000		0.000e+000 <-
\$ 87 Fluoranthene-d10	++++	++++	++++	++++	++++	++++					
	++++						AVRG		0.000e+000		0.000e+000 <-

ARI Labs, Inc.

INITIAL CALIBRATION DATA

Start Cal Date : 23-JUN-2022 09:16
 End Cal Date : 23-JUN-2022 13:07
 Quant Method : ISTD
 Origin : Force
 Target Version : 4.14
 Integrator : HP RTE
 Method file : \\target\share\chem3\nt10.i\20220623.b\ABN.m
 Last Edit : 24-Jun-2022 08:19 yev

Compound	0.2000000	0.5000000	1.0000	2.5000	5.0000	10.0000	Curve	b	Coefficients		%RSD or R^2
	Level 1	Level 2	Level 3	Level 4	Level 5	Level 6			m1	m2	
	20.0000										
	Level 7										
\$ 88 Dibenz(a,h)anthracene-d14	+++++	+++++	+++++	+++++	+++++	+++++					
	+++++						AVRG		0.000e+000		0.000e+000 <-
\$ 89 Diphenyl-d10	+++++	+++++	+++++	+++++	+++++	+++++					
	+++++						AVRG		0.000e+000		0.000e+000 <-
\$ 95 D10-1-methylnaphthalene	+++++	+++++	+++++	+++++	+++++	+++++					
	+++++						AVRG		0.000e+000		0.000e+000 <-

ARI Labs, Inc.

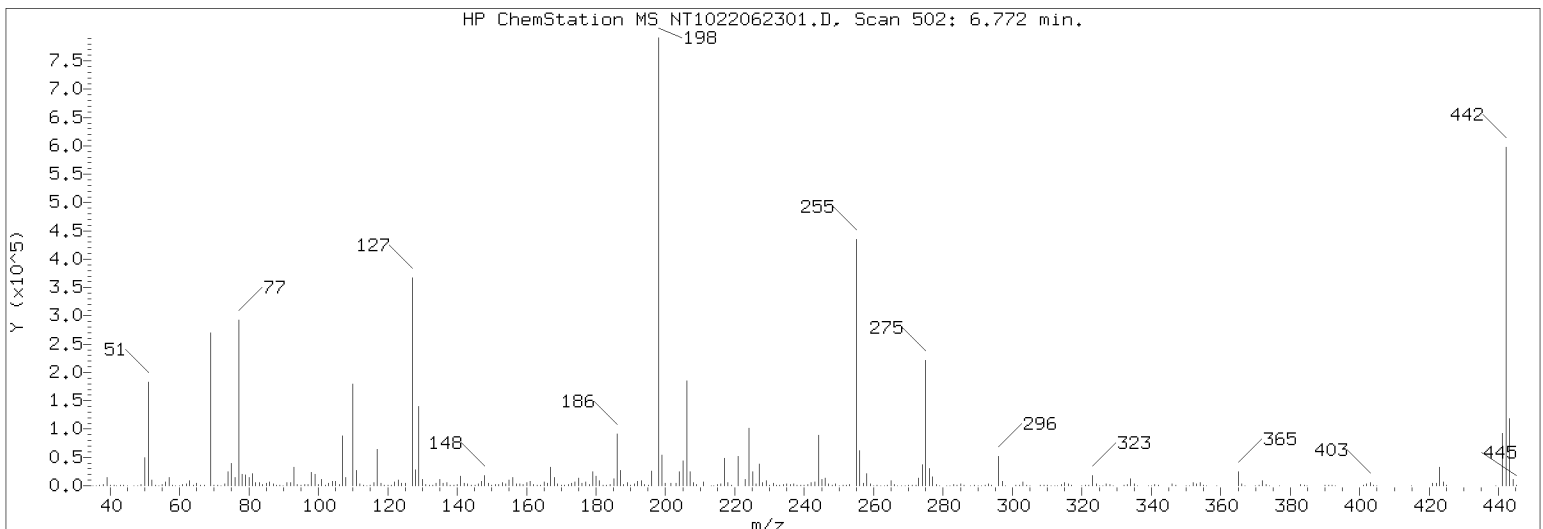
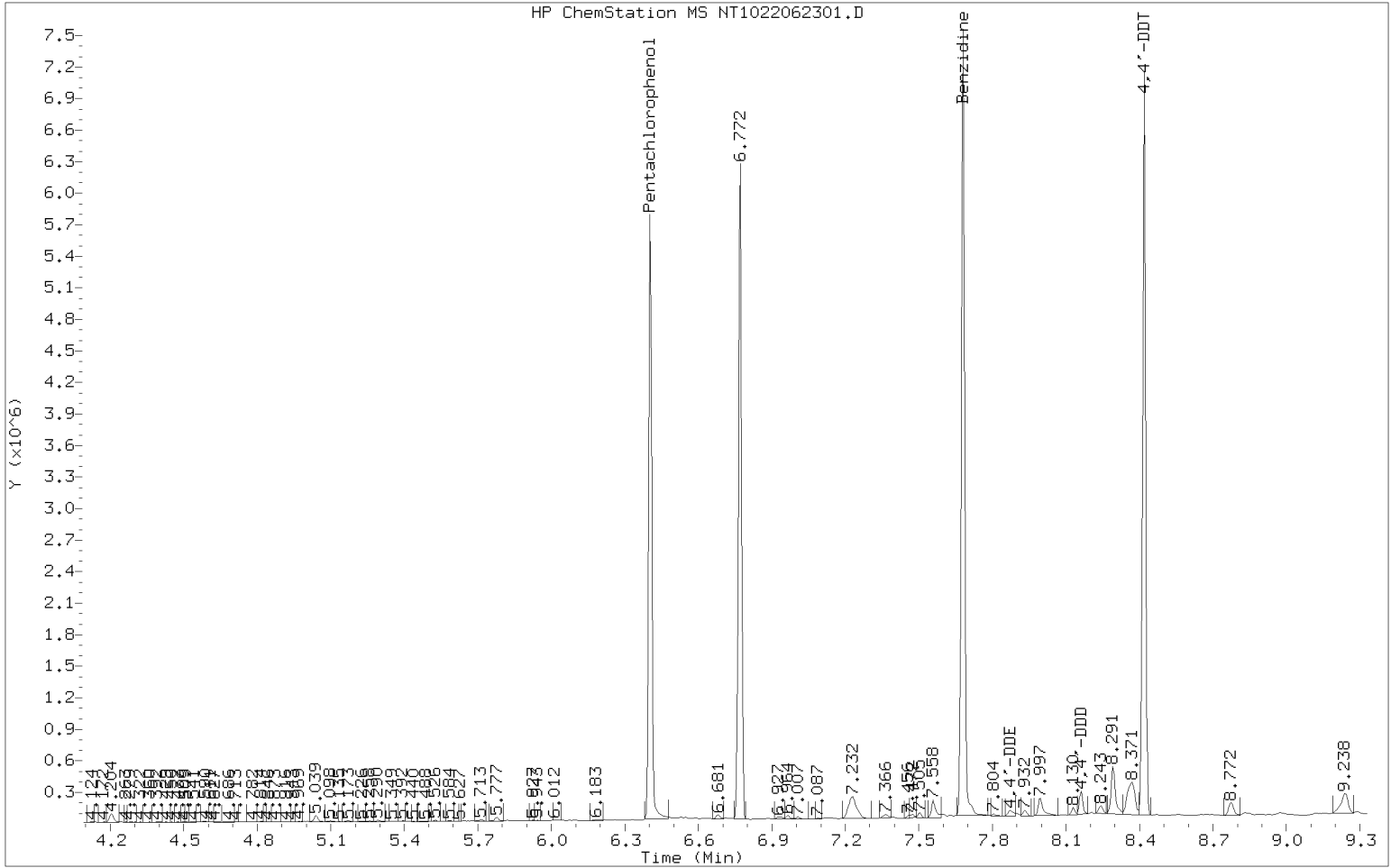
INITIAL CALIBRATION DATA

Start Cal Date : 23-JUN-2022 09:16
End Cal Date : 23-JUN-2022 13:07
Quant Method : ISTD
Origin : Force
Target Version : 4.14
Integrator : HP RTE
Method file : \\target\share\chem3\nt10.i\20220623.b\ABN.m
Last Edit : 24-Jun-2022 08:19 yev

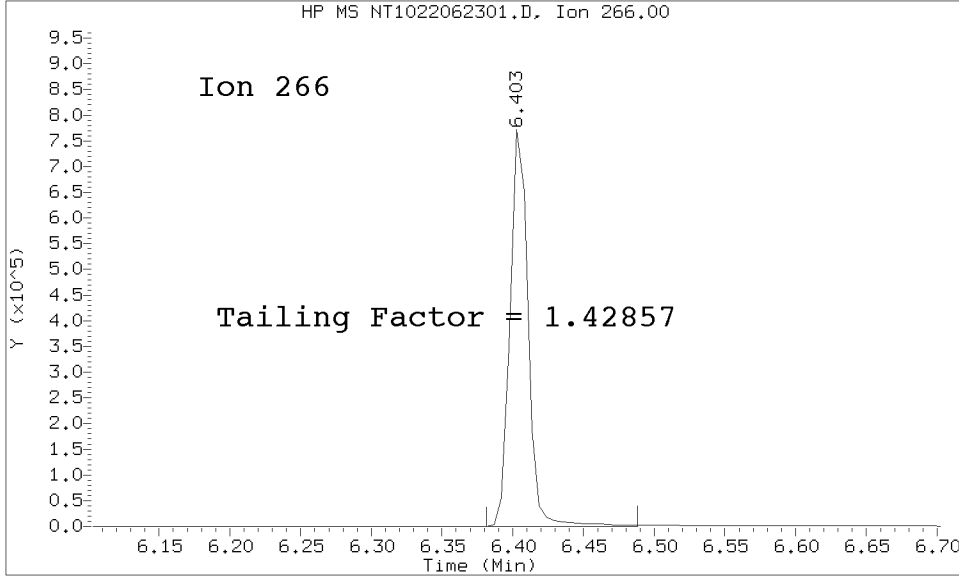
Curve	Formula	Units
Averaged	$Amt = Rsp/m1$	Response
Quad	$Amt = b + m1*Rsp + m2*Rsp^2$	Response

DFTPP TAILING FACTOR AND BREAKDOWN GRAPHIC REPORT

Datafile Analyzed: /20220623.b/NT1022062301.D/NT1022062301.D
 Method Used: \20220623.b\DFTPP8270E.m Inst: nt10
 Injection Date: 23-JUN-2022 09:00 Operator: VTS
 Sample Info: SKF0270-TUN1 SKF0270-TUN1
 Report Date: 06/25/2022 13:34



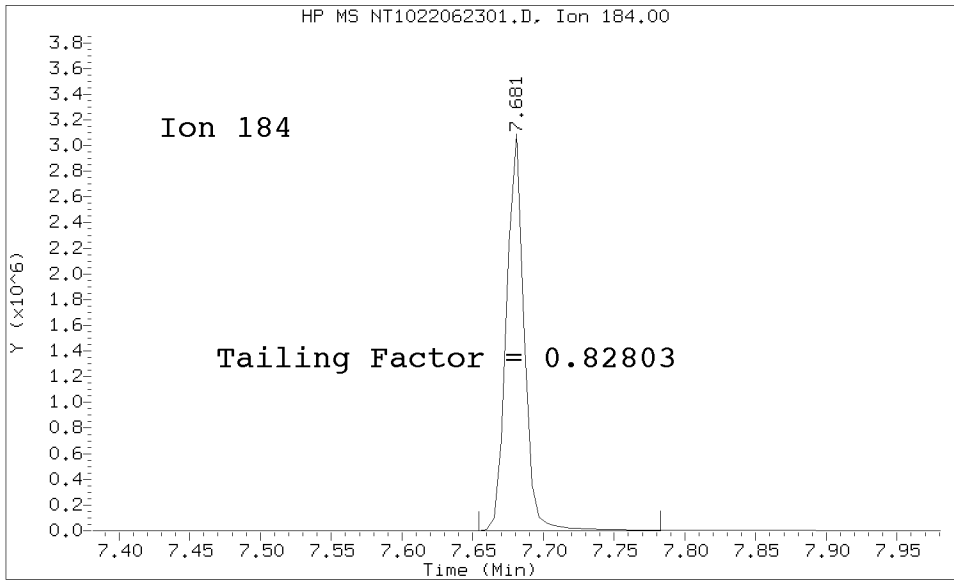
Datafile Analyzed: /20220623.b/NT1022062301.D/NT1022062301.D
Method Used: \20220623.b\DFTPP8270E.m\sw846ddt.m Inst: nt10
Injection Date: 23-JUN-2022 09:00 Operator: VTS
Sample Info: SKF0270-TUN1
Report Date: 06/25/2022 13:34



Pentachlorophenol

=====
Exp. RT = 6.435
Found RT = 6.403

Tail Factor = 1.429 Maximum Allowed = 2.0



Benzidine

=====
Exp. RT = 7.702
Found RT = 7.681

Tail Factor = 0.828 Maximum Allowed = 2.0

8270 TAILING FACTOR/BREAKDOWN SUMMARY RESULTS

TAILING ANALYSIS SUMMARY

Compound	Tail Factor	Max Allowed	Test
Pentachlorophenol	1.4285714	2.000	PASS
Benzidine	0.8280330	2.000	PASS

DDT DEGRADATION BREAKDOWN ANALYSIS SUMMARY

Compound	Response	%Breakdown	Max Allowed	Test
4,4-DDT	1182642			N/A
4,4-DDE	5705	0.5	20.0	PASS
4,4-DDD	38995	3.2	20.0	PASS
4,4-DDD + DDE	44700	3.6	20.0	PASS

Tuning Sample, nt10.i/20220623.b/NT1022062301.D, *** PASSED ***

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
198	Base Peak, 100% relative abundance	100.00
68	Less than 2.00% of mass 69	0.00 (0.00)
69	Mass 69 relative abundance	36.19
70	Less than 2.00% of mass 69	0.16 (0.46)
197	Less than 2.00% of mass 198	0.00
199	5.00 - 9.00% of mass 198	6.81
365	1.00 - 100.00% of mass 198	2.96
441	Less than 150.00% of mass 443	10.90 (79.67)
442	Less than 200.00% of mass 198	70.70
443	15.00 - 24.00% of mass 442	13.68 (19.35)

Data File: NT1022062301.D
 Spectrum: Avg. Scans 501-503 (6.77), Background Scan 496
 Location of Maximum: 198.00
 Number of points: 330

m/z	Y	m/z	Y	m/z	Y	m/z	Y
35.00	62	123.00	7738	209.00	1261	297.00	5636
36.00	115	124.00	3396	211.00	5743	298.00	375
37.00	733	125.00	3146	213.00	463	301.00	557
38.00	2308	127.00	300096	214.00	162	302.00	822
39.00	11563	128.00	22848	215.00	1533	303.00	4793
40.00	486	129.00	112944	216.00	3096	304.00	1156
41.00	123	130.00	9319	217.00	38504	305.00	187
42.00	54	131.00	1845	218.00	4869	308.00	599
43.00	177	132.00	940	219.00	523	309.00	476
44.00	54	133.00	264	221.00	40304	310.00	622
45.00	259	134.00	3184	223.00	8762	311.00	109
48.00	191	135.00	8661	224.00	78720	312.00	154
49.00	1202	136.00	3473	225.00	20216	313.00	398
50.00	41368	137.00	4097	226.00	2234	314.00	2017
51.00	151168	138.00	1063	227.00	30096	315.00	4575
52.00	8034	139.00	476	228.00	4651	316.00	2679
53.00	256	140.00	1511	229.00	6829	317.00	565
55.00	786	141.00	13167	230.00	1062	320.00	163
56.00	5149	142.00	4109	231.00	3104	321.00	1261
57.00	11468	143.00	3013	232.00	623	322.00	854
58.00	402	144.00	888	233.00	585	323.00	13460
59.00	142	145.00	451	234.00	1999	324.00	2430
60.00	111	146.00	2575	235.00	2357	325.00	290
61.00	2108	147.00	6522	236.00	1571	326.00	372
62.00	2604	148.00	14464	237.00	2751	327.00	2546
63.00	7988	149.00	3091	238.00	435	328.00	1371
64.00	1098	150.00	883	239.00	1431	329.00	227
65.00	3878	151.00	1835	240.00	1067	332.00	969
66.00	99	152.00	1144	241.00	2014	333.00	1351
67.00	329	153.00	4014	242.00	4585	334.00	8586
69.00	221952	154.00	3005	243.00	5099	335.00	2264
70.00	1011	155.00	7646	244.00	68824	336.00	263
71.00	345	156.00	10897	245.00	9200	339.00	238
72.00	142	157.00	2360	246.00	10801	340.00	277
73.00	1623	158.00	2392	247.00	2480	341.00	1580
74.00	20920	159.00	2149	248.00	608	342.00	425
75.00	33192	160.00	4284	249.00	2522	346.00	3026
76.00	11814	161.00	6136	250.00	443	347.00	511
77.00	242048	162.00	1868	251.00	558	350.00	69
78.00	16592	163.00	443	252.00	527	351.00	236
79.00	15265	164.00	1021	253.00	1130	352.00	4088
80.00	11913	165.00	4803	255.00	334464	353.00	2761
81.00	17040	166.00	3799	256.00	47528	354.00	4163
82.00	4106	167.00	25552	257.00	3638	355.00	832
83.00	3883	168.00	12023	258.00	16736	356.00	78
84.00	165	169.00	2216	259.00	2796	359.00	309
85.00	3032	170.00	1066	260.00	537	364.00	106
86.00	4569	171.00	1271	261.00	639	365.00	18136
87.00	2513	172.00	2314	262.00	71	366.00	2770

88.00	823	173.00	3272	263.00	184	367.00	212
89.00	491	174.00	5652	264.00	531	370.00	465
90.00	51	175.00	10027	265.00	6841	371.00	1096
91.00	4133	176.00	3308	266.00	972	372.00	7076
92.00	4747	177.00	4854	267.00	44	373.00	1732
93.00	26688	178.00	1565	268.00	200	374.00	239
94.00	1764	179.00	19984	269.00	54	377.00	90
95.00	639	180.00	13074	270.00	523	383.00	1840
96.00	1301	181.00	6623	271.00	633	384.00	471
97.00	731	182.00	1187	272.00	818	385.00	144
98.00	19808	183.00	839	273.00	10911	390.00	900
99.00	16736	184.00	1364	274.00	28000	391.00	640
100.00	1596	185.00	9404	275.00	167744	392.00	481
101.00	9731	186.00	73488	276.00	22704	393.00	137
102.00	647	187.00	20632	277.00	12078	401.00	472
103.00	3357	188.00	2092	278.00	1917	402.00	2612
104.00	6302	189.00	4715	279.00	467	403.00	3773
105.00	5597	190.00	748	280.00	58	404.00	1227
106.00	2244	191.00	2212	281.00	176	405.00	237
107.00	72808	192.00	6414	282.00	435	410.00	55
108.00	12266	193.00	6866	283.00	1308	415.00	136
110.00	145920	194.00	1360	284.00	910	421.00	3151
111.00	21576	195.00	905	285.00	2324	422.00	3202
112.00	2639	196.00	19928	286.00	460	423.00	23640
113.00	792	198.00	613312	287.00	53	424.00	4956
114.00	131	199.00	41776	288.00	88	425.00	512
115.00	362	200.00	3226	289.00	541	439.00	54
116.00	4391	201.00	3528	290.00	424	441.00	66840
117.00	53032	203.00	3496	291.00	338	442.00	433600
118.00	4107	204.00	19488	292.00	629	443.00	83896
119.00	479	205.00	33768	293.00	2675	444.00	7723
120.00	1077	206.00	144320	294.00	629	445.00	432
121.00	334	207.00	18832	295.00	325		
122.00	4704	208.00	4111	296.00	38976		

Data File: \\target\share\chem3\nt10.1\20220623.1\NT1022062302.D

Date: 23-JUN-2022 09:16

Client ID:

Sample Info: SKF0270-CALS

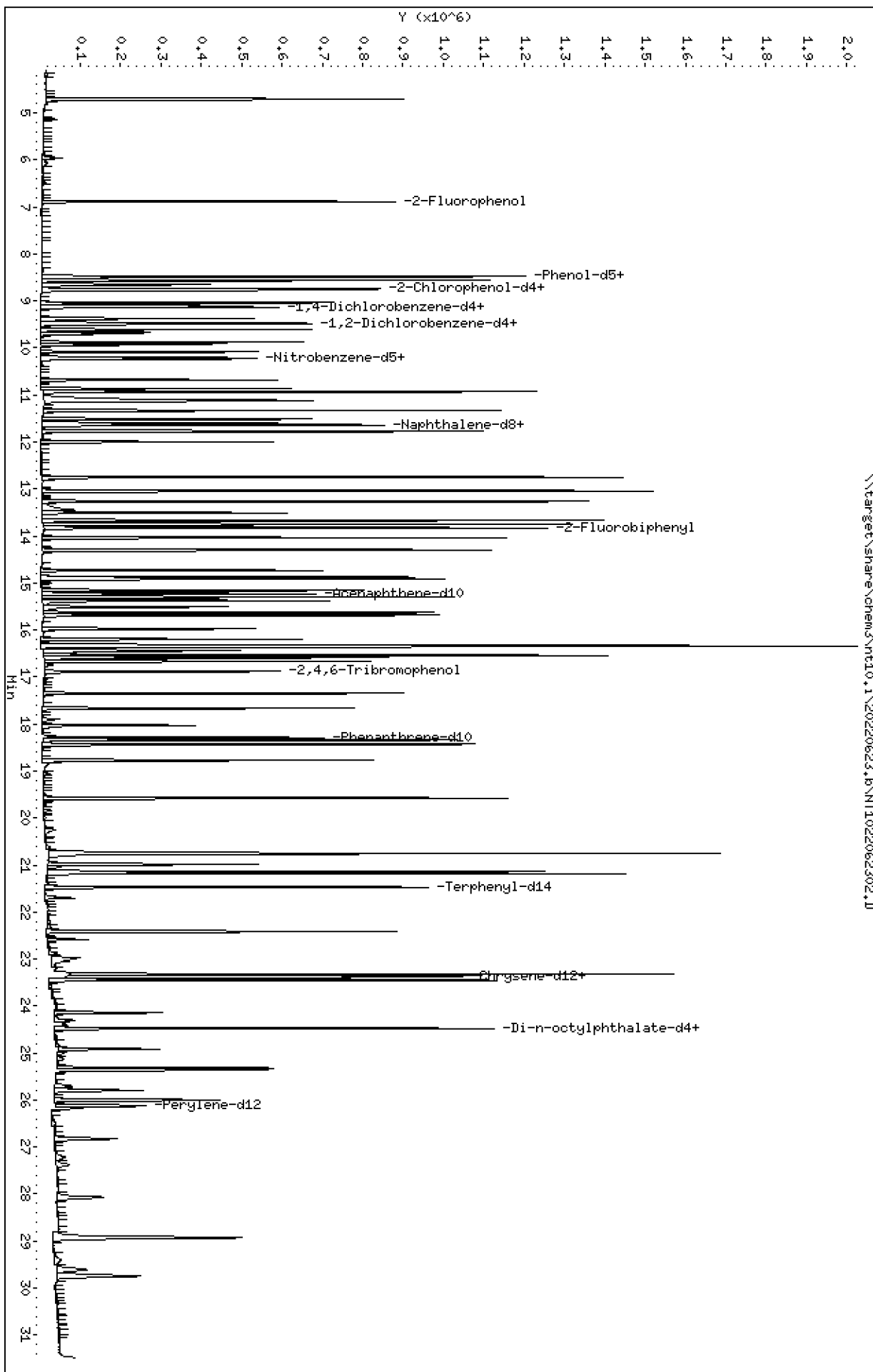
Column phase: ZB-5msi

Instrument: nt10.1

Operator: VTS

Column diameter: 0.25

Page 1



ARI Labs, Inc.

Semivolatile Report SW846 Method 8270D

Data file : \\target\share\chem3\nt10.i\20220623.b\NT1022062302.D
 Lab Smp Id: SKF0270-CAL5
 Inj Date : 23-JUN-2022 09:16
 Operator : VTS
 Smp Info : SKF0270-CAL5
 Misc Info :
 Comment : 1ul Injection
 Method : \\target\share\chem3\nt10.i\20220623.b\ABN.m
 Meth Date : 24-Jun-2022 08:34 yev
 Cal Date : 23-JUN-2022 13:07
 Als bottle: 2
 Dil Factor: 1.00000
 Integrator: HP RTE
 Target Version: 4.14
 Processing Host: ORGDATA102

Inst ID: nt10.i
 Quant Type: ISTD
 Cal File: NT1022062308.D
 Calibration Sample, Level: 5
 Compound Sublist: ICAL.sub

Compounds	QUANT	SIG	RT	EXP RT	REL RT	RESPONSE	AMOUNTS	
							CAL-AMT	ON-COL
	MASS						(ug/mL)	(ug/mL)
\$ 1 2-Fluorophenol	112		6.883	6.883	(0.756)	433521	7.50000	7.639
\$ 2 Phenol-d5	99		8.482	8.475	(0.931)	669075	7.50000	7.946
3 Phenol	94		8.498	8.497	(0.933)	369167	5.00000	5.031
\$ 5 2-Chlorophenol-d4	132		8.745	8.745	(0.960)	429333	7.50000	7.425
4 Bis(2-Chloroethyl)ether	93		8.652	8.645	(0.950)	255532	5.00000	4.839
6 2-Chlorophenol	128		8.776	8.776	(0.963)	287271	5.00000	4.911
7 1,3-Dichlorobenzene	146		9.039	9.040	(0.992)	305764	5.00000	4.833
* 8 1,4-Dichlorobenzene-d4	152		9.109	9.102	(1.000)	155417	4.00000	
9 1,4-Dichlorobenzene	146		9.140	9.133	(1.003)	255399	5.00000	5.121
\$ 10 1,2-Dichlorobenzene-d4	152		9.466	9.466	(1.039)	178210	5.00000	5.001
12 1,2-Dichlorobenzene	146		9.497	9.490	(1.043)	263578	5.00000	4.978
11 Benzyl alcohol	108		9.373	9.373	(1.029)	162056	5.00000	5.544
14 2,2'-oxybis(1-Chloropropane)	121		9.676	9.676	(1.062)	61910	5.00000	4.945
13 2-Methylphenol	108		9.613	9.606	(1.055)	229907	5.00000	5.082
17 Hexachloroethane	117		10.087	10.087	(1.107)	112829	5.00000	5.075
16 N-Nitroso-di-n-propylamine	70		9.932	9.924	(1.090)	153722	5.00000	4.886
15 4-Methylphenol	108		9.877	9.878	(1.084)	245365	5.00000	5.075
\$ 18 Nitrobenzene-d5	82		10.203	10.196	(0.880)	272336	5.00000	5.211
19 Nitrobenzene	77		10.234	10.235	(0.883)	274819	5.00000	5.217
20 Isophorone	82		10.684	10.677	(0.921)	417317	5.00000	5.476
21 2-Nitrophenol	139		10.868	10.868	(0.937)	175168	5.00000	5.265
22 2,4-Dimethylphenol	107		10.927	10.928	(0.942)	409579	10.0000	10.13
23 Bis(2-Chloroethoxy)methane	93		11.114	11.114	(0.958)	209276	5.00000	4.571
24 Benzoic acid	105		11.148	11.064	(0.961)	448309	20.0000	20.71
25 2,4-Dichlorophenol	162		11.335	11.327	(0.977)	428438	10.0000	10.43
26 1,2,4-Trichlorobenzene	180		11.511	11.512	(0.993)	211186	5.00000	4.789
* 27 Naphthalene-d8	136		11.596	11.597	(1.000)	491185	4.00000	
28 Naphthalene	128		11.643	11.635	(1.004)	658606	5.00000	5.239
29 4-Chloroaniline	127		11.774	11.767	(1.015)	600291	10.0000	10.81
30 Hexachlorobutadiene	225		11.998	11.998	(1.035)	111684	5.00000	5.309
31 4-Chloro-3-methylphenol	107		12.749	12.749	(1.099)	495209	10.0000	9.971
32 2-Methylnaphthalene	142		13.043	13.043	(1.125)	681217	5.00000	5.452
33 Hexachlorocyclopentadiene	237		13.507	13.508	(0.887)	148627	10.0000	8.783

Compounds	QUANT SIG					AMOUNTS	
	MASS	RT	EXP RT	REL RT	RESPONSE	CAL-AMT (ug/mL)	ON-COL (ug/mL)
34 2,4,6-Trichlorophenol	196	13.677	13.670	(0.898)	361508	10.0000	11.28
35 2,4,5-Trichlorophenol	196	13.755	13.747	(0.903)	389418	10.0000	10.21
\$ 36 2-Fluorobiphenyl	172	13.824	13.825	(0.908)	666254	5.00000	5.221
37 2-Chloronaphthalene	162	14.041	14.034	(0.922)	596294	5.00000	5.301
38 2-Nitroaniline	65	14.297	14.297	(0.939)	325405	10.0000	10.81
39 Dimethylphthalate	163	14.730	14.730	(0.967)	492072	5.00000	4.976
40 Acenaphthylene	152	14.916	14.908	(0.979)	776155	5.00000	4.709
41 2,6-Dinitrotoluene	165	14.877	14.870	(0.977)	237164	10.0000	10.33
* 42 Acenaphthene-d10	164	15.233	15.226	(1.000)	281977	4.00000	
43 3-Nitroaniline	138	15.163	15.156	(0.995)	276150	10.0000	10.21
44 Acenaphthene	153	15.302	15.295	(1.005)	437519	5.00000	5.335
45 2,4-Dinitrophenol	184	15.380	15.372	(1.010)	209512	20.0000	19.63 (M)
46 Dibenzofuran	168	15.627	15.627	(1.026)	705848	5.00000	5.416
47 4-Nitrophenol	109	15.503	15.504	(1.018)	90731	10.0000	10.06
48 2,4-Dinitrotoluene	165	15.689	15.682	(1.030)	337014	10.0000	10.98
50 Diethylphthalate	149	16.199	16.192	(1.063)	439066	5.00000	5.176
49 Fluorene	166	16.346	16.338	(1.073)	774258	5.00000	4.972
51 4-Chlorophenyl-phenylether	204	16.338	16.331	(1.073)	339865	5.00000	4.970
52 4-Nitroaniline	138	16.439	16.424	(1.079)	277015	10.0000	10.23
53 4,6-Dinitro-2-methylphenol	198	16.539	16.532	(0.904)	394977	20.0000	20.30
54 N-Nitrosodiphenylamine	169	16.593	16.585	(0.907)	380206	5.00000	4.850
\$ 55 2,4,6-Tribromophenol	330	16.886	16.886	(1.109)	98411	7.50000	7.657
56 4-Bromophenyl-phenylether	248	17.349	17.349	(0.948)	195103	5.00000	5.371
57 Hexachlorobenzene	284	17.665	17.666	(0.966)	172171	5.00000	5.197
58 Pentachlorophenol	266	18.029	18.038	(0.986)	79388	10.0000	10.14
* 59 Phenanthrene-d10	188	18.292	18.293	(1.000)	498577	4.00000	
60 Phenanthrene	178	18.339	18.339	(1.003)	680610	5.00000	5.196
61 Anthracene	178	18.432	18.432	(1.008)	757152	5.00000	5.424
62 Carbazole	167	18.772	18.773	(1.026)	658631	5.00000	5.115
63 Di-n-butylphthalate	149	19.577	19.577	(1.070)	1025442	5.00000	5.124
64 Fluoranthene	202	20.753	20.753	(0.887)	1069189	5.00000	5.526
65 Pyrene	202	21.178	21.179	(0.905)	871526	5.00000	5.143
\$ 66 Terphenyl-d14	244	21.472	21.473	(0.918)	510544	5.00000	5.551
67 Butylbenzylphthalate	149	22.409	22.410	(0.958)	306578	5.00000	5.758
68 Benzo(a)anthracene	228	23.369	23.370	(0.999)	556996	5.00000	4.988
* 69 Chrysene-d12	240	23.400	23.401	(1.000)	263544	4.00000	
70 3,3'-Dichlorobenzidine	252	23.331	23.323	(0.997)	514031	15.0000	14.13
71 Chrysene	228	23.447	23.447	(1.002)	373084	5.00000	4.795
72 bis(2-Ethylhexyl)phthalate	149	23.455	23.455	(0.959)	281004	5.00000	5.610
* 134 Di-n-octylphthalate-d4	153	24.469	24.476	(1.000)	453170	4.00000	
73 Di-n-octylphthalate	149	24.484	24.485	(1.001)	518433	5.00000	5.033
74 Benzo(b)fluoranthene	252	25.320	25.313	(0.969)	410834	5.00000	5.204
75 Benzo(k)fluoranthene	252	25.367	25.359	(0.971)	403254	5.00000	5.312
76 Benzo(a)pyrene	252	26.002	25.994	(0.995)	312883	5.00000	4.842
* 77 Perylene-d12	264	26.126	26.118	(1.000)	174316	4.00000	
78 Indeno(1,2,3-cd)pyrene	276	28.923	28.916	(1.107)	368860	5.00000	5.347
79 Dibenzo(a,h)anthracene	278	28.938	28.931	(1.108)	278506	5.00000	5.274
80 Benzo(g,h,i)perylene	276	29.746	29.739	(1.139)	277911	5.00000	5.040
90 N-Nitrosodimethylamine	74	4.697	4.697	(0.516)	387001	10.0000	10.42
91 Aniline	93	8.560	8.560	(0.940)	713729	10.0000	9.726
93 Benzidine	184	20.985	20.985	(0.897)	361572	10.0000	9.300
103 Pyridine	79	4.713	4.728	(0.517)	509263	5.00000	4.838
105 1-methylnaphthalene	142	13.267	13.260	(1.144)	660372	5.00000	5.380
111 Azobenzene (1,2-DP-Hydrazine)	77	16.670	16.663	(1.094)	558837	5.00000	4.962

Compounds	QUANT SIG						AMOUNTS	
	MASS		RT	EXP RT	REL RT	RESPONSE	CAL-AMT (ug/mL)	ON-COL (ug/mL)
187 Total Benzofluoranthenes	252		25.320	25.359	(0.969)	741431	10.0000	10.07
120 2,3,4,6-Tetrachlorophenol	232		15.975	15.968	(1.049)	115642	5.00000	4.701

QC Flag Legend

M - Compound response manually integrated.

ARI Labs, Inc.

INTERNAL STANDARD COMPOUNDS
 AREA AND RT SUMMARY

Instrument ID: nt10.i Calibration Date: 23-JUN-2022
 Lab File ID: NT1022062302.D Calibration Time: 09:16
 Lab Smp Id: SKF0270-CAL5
 Analysis Type: SV Level:
 Quant Type: ISTD Sample Type:
 Operator: VTS
 Method File: \\target\share\chem3\nt10.i\20220623.b\ABN.m
 Misc Info:

Test Mode:
 Use Last Continuing Calibrator.

COMPOUND	STANDARD	AREA LIMIT		SAMPLE	%DIFF
		LOWER	UPPER		
8 1,4-Dichlorobenze	155417	77709	310834	155417	0.00
27 Naphthalene-d8	491185	245593	982370	491185	0.00
42 Acenaphthene-d10	281977	140989	563954	281977	0.00
59 Phenanthrene-d10	498577	249289	997154	498577	0.00
69 Chrysene-d12	263544	131772	527088	263544	0.00
134 Di-n-octylphthala	453170	226585	906340	453170	0.00
77 Perylene-d12	174316	87158	348632	174316	0.00

COMPOUND	STANDARD	RT LIMIT		SAMPLE	%DIFF
		LOWER	UPPER		
8 1,4-Dichlorobenze	9.11	8.61	9.61	9.11	0.00
27 Naphthalene-d8	11.60	11.10	12.10	11.60	0.00
42 Acenaphthene-d10	15.23	14.73	15.73	15.23	0.00
59 Phenanthrene-d10	18.29	17.79	18.79	18.29	0.00
69 Chrysene-d12	23.40	22.90	23.90	23.40	0.00
134 Di-n-octylphthala	24.47	23.97	24.97	24.47	0.00
77 Perylene-d12	26.13	25.63	26.63	26.13	0.00

AREA UPPER LIMIT = +100% of internal standard area.
 AREA LOWER LIMIT = - 50% of internal standard area.
 RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
 RT LOWER LIMIT = - 0.50 minutes of internal standard RT.

REVIEW SUMMARY FOR FILE - NT1022062302.D

Lab ID: SKF0270-CAL5
nt10.i, ABN.m, 23-JUN-2022 09:16

RT CO-ELUTION COMPOUNDS

NO CO-ELUTIONS

Quant Method: ICAL

RRT CHECK

RRT	CCV RRT	DELTA	COMPOUND
0.961	0.954	0.0073	Benzoic acid

RRT check based on Ccal File: NT1022062308.D

On Column LOD for nt10.i, ABN.m, ICAL.sub = 0.0000

* Only compounds listed in the work order have been verified by the analyst *

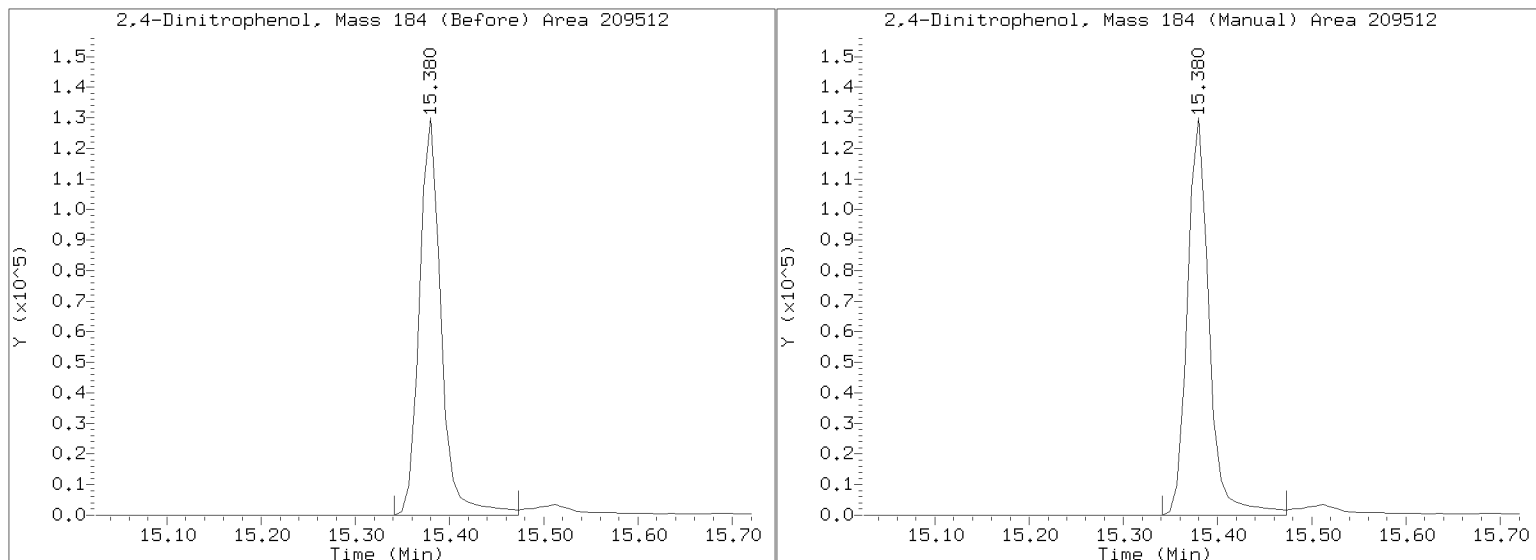
Quant Ion Manual Peak Adjustment Report

Datafile: //target/share/chem3/nt10.i/20220623.b/NT1022062302.D

Injection Date: 23-JUN-2022 09:16

Lab ID:SKF0270-CAL5 Client ID:

Report Date: 06/24/2022 08:36



Data File: \\target\share\chem3\nt10.1\20220623.1\NT1022062303.D

Date: 23-JUN-2022 09:54

Client ID:

Sample Info: SKF0270-CAL7

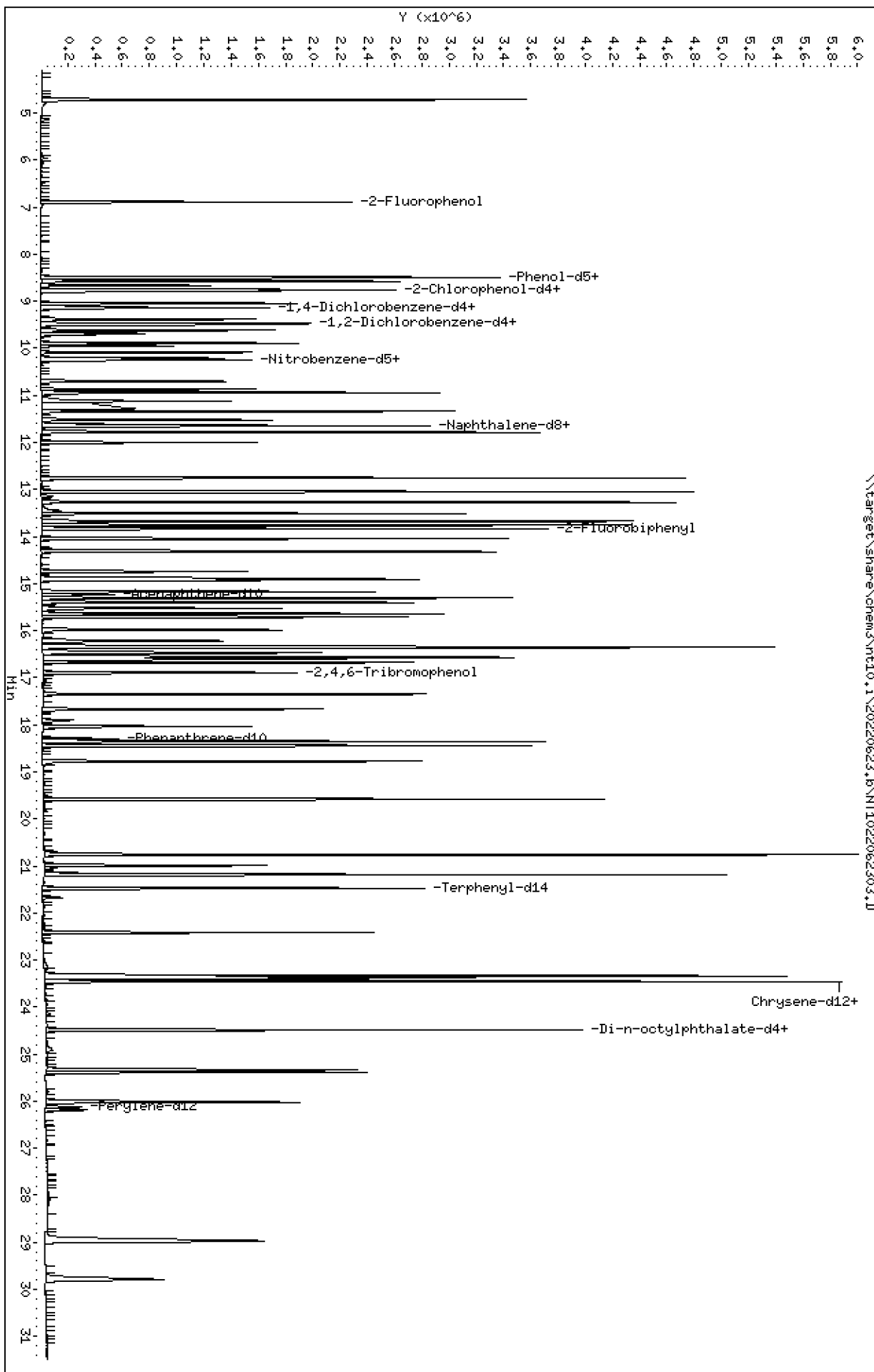
Column phase: ZB-5msi

Instrument: nt10.1

Operator: VTS

Column diameter: 0.25

\\target\share\chem3\nt10.1\20220623.1\NT1022062303.D



ARI Labs, Inc.

Semivolatile Report SW846 Method 8270D

Data file : \\target\share\chem3\nt10.i\20220623.b\NT1022062303.D
 Lab Smp Id: SKF0270-CAL7
 Inj Date : 23-JUN-2022 09:54
 Operator : VTS
 Smp Info : SKF0270-CAL7
 Misc Info :
 Comment : 1ul Injection
 Method : \\target\share\chem3\nt10.i\20220623.b\ABN.m
 Meth Date : 24-Jun-2022 08:34 yev
 Cal Date : 23-JUN-2022 13:07
 Als bottle: 3
 Dil Factor: 1.00000
 Integrator: HP RTE
 Target Version: 4.14
 Processing Host: ORGDATA102

Inst ID: nt10.i
 Quant Type: ISTD
 Cal File: NT1022062308.D
 Calibration Sample, Level: 7
 Compound Sublist: ICAL.sub

Compounds	QUANT	SIG	RT	EXP RT	REL RT	RESPONSE	AMOUNTS	
							CAL-AMT	ON-COL
	MASS						(ug/mL)	(ug/mL)
\$ 1 2-Fluorophenol	112		6.890	6.883	(0.756)	1179756	30.0000	27.94
\$ 2 Phenol-d5	99		8.490	8.475	(0.932)	2167257	30.0000	34.59
3 Phenol	94		8.513	8.497	(0.935)	999613	20.0000	18.31
\$ 5 2-Chlorophenol-d4	132		8.760	8.745	(0.962)	1293215	30.0000	30.06
4 Bis(2-Chloroethyl)ether	93		8.660	8.645	(0.951)	726647	20.0000	18.49
6 2-Chlorophenol	128		8.783	8.776	(0.964)	873132	20.0000	20.06
7 1,3-Dichlorobenzene	146		9.047	9.040	(0.993)	836567	20.0000	17.77
* 8 1,4-Dichlorobenzene-d4	152		9.109	9.102	(1.000)	115640	4.00000	
9 1,4-Dichlorobenzene	146		9.140	9.133	(1.003)	728795	20.0000	19.64
\$ 10 1,2-Dichlorobenzene-d4	152		9.473	9.466	(1.040)	524462	20.0000	19.78
12 1,2-Dichlorobenzene	146		9.497	9.490	(1.043)	737891	20.0000	18.73
11 Benzyl alcohol	108		9.388	9.373	(1.031)	469241	20.0000	21.58
14 2,2'-oxybis(1-Chloropropane)	121		9.683	9.676	(1.063)	182979	20.0000	19.64
13 2-Methylphenol	108		9.621	9.606	(1.056)	633351	20.0000	18.82
17 Hexachloroethane	117		10.087	10.087	(1.107)	347466	20.0000	21.00
16 N-Nitroso-di-n-propylamine	70		9.947	9.924	(1.092)	428386	20.0000	18.30
15 4-Methylphenol	108		9.893	9.878	(1.086)	683747	20.0000	19.01
\$ 18 Nitrobenzene-d5	82		10.211	10.196	(0.880)	816155	20.0000	20.70
19 Nitrobenzene	77		10.250	10.235	(0.883)	806694	20.0000	20.30
20 Isophorone	82		10.707	10.677	(0.923)	1351835	20.0000	23.51
21 2-Nitrophenol	139		10.876	10.868	(0.937)	543543	20.0000	21.65
22 2,4-Dimethylphenol	107		10.944	10.928	(0.943)	1092273	40.0000	35.82
23 Bis(2-Chloroethoxy)methane	93		11.122	11.114	(0.959)	671126	20.0000	19.43
24 Benzoic acid	105		11.292	11.064	(0.973)	1516010	80.0000	79.89 (M)
25 2,4-Dichlorophenol	162		11.343	11.327	(0.978)	1139738	40.0000	36.78
26 1,2,4-Trichlorobenzene	180		11.519	11.512	(0.993)	540938	20.0000	16.26
* 27 Naphthalene-d8	136		11.604	11.597	(1.000)	370549	4.00000	
28 Naphthalene	128		11.650	11.635	(1.004)	2091194	20.0000	22.05
29 4-Chloroaniline	127		11.781	11.767	(1.015)	1959675	40.0000	46.80
30 Hexachlorobutadiene	225		12.006	11.998	(1.035)	299915	20.0000	18.90
31 4-Chloro-3-methylphenol	107		12.756	12.749	(1.099)	1648645	40.0000	39.95
32 2-Methylnaphthalene	142		13.050	13.043	(1.125)	2229816	20.0000	23.66
33 Hexachlorocyclopentadiene	237		13.515	13.508	(0.887)	752915	40.0000	39.84

Compounds	QUANT SIG				AMOUNTS		
	MASS	RT	EXP RT	REL RT	RESPONSE	CAL-AMT (ug/mL)	ON-COL (ug/mL)
=====	====	====	=====	=====	=====	=====	=====
34 2,4,6-Trichlorophenol	196	13.677	13.670	(0.897)	1104668	40.0000	43.19
35 2,4,5-Trichlorophenol	196	13.762	13.747	(0.903)	1182965	40.0000	39.95
§ 36 2-Fluorobiphenyl	172	13.832	13.825	(0.908)	1910495	20.0000	18.76
37 2-Chloronaphthalene	162	14.049	14.034	(0.922)	1784939	20.0000	19.88
38 2-Nitroaniline	65	14.319	14.297	(0.940)	1033429	40.0000	43.03
39 Dimethylphthalate	163	14.745	14.730	(0.968)	1256025	20.0000	15.91
40 Acenaphthylene	152	14.923	14.908	(0.979)	2193307	20.0000	16.67
41 2,6-Dinitrotoluene	165	14.892	14.870	(0.977)	709655	40.0000	38.71
* 42 Acenaphthene-d10	164	15.240	15.226	(1.000)	225060	4.00000	
43 3-Nitroaniline	138	15.178	15.156	(0.996)	926355	40.0000	42.93
44 Acenaphthene	153	15.310	15.295	(1.005)	1453740	20.0000	22.21
45 2,4-Dinitrophenol	184	15.403	15.372	(1.011)	850978	80.0000	79.79 (M)
46 Dibenzofuran	168	15.642	15.627	(1.026)	2151469	20.0000	20.68
47 4-Nitrophenol	109	15.526	15.504	(1.019)	311232	40.0000	39.94
48 2,4-Dinitrotoluene	165	15.712	15.682	(1.031)	1034199	40.0000	42.21
50 Diethylphthalate	149	16.222	16.192	(1.064)	1180443	20.0000	17.44
49 Fluorene	166	16.361	16.338	(1.074)	2253497	20.0000	18.13
51 4-Chlorophenyl-phenylether	204	16.346	16.331	(1.073)	1051641	20.0000	19.27
52 4-Nitroaniline	138	16.477	16.424	(1.081)	947193	40.0000	43.83
53 4,6-Dinitro-2-methylphenol	198	16.569	16.532	(0.905)	1227039	80.0000	79.88
54 N-Nitrosodiphenylamine	169	16.608	16.585	(0.908)	1016001	20.0000	16.18
§ 55 2,4,6-Tribromophenol	330	16.893	16.886	(1.108)	318978	30.0000	29.99
56 4-Bromophenyl-phenylether	248	17.356	17.349	(0.948)	576480	20.0000	19.82
57 Hexachlorobenzene	284	17.673	17.666	(0.966)	469385	20.0000	20.05
58 Pentachlorophenol	266	18.037	18.038	(0.986)	309014	40.0000	39.92
* 59 Phenanthrene-d10	188	18.300	18.293	(1.000)	399324	4.00000	
60 Phenanthrene	178	18.354	18.339	(1.003)	2330032	20.0000	22.21
61 Anthracene	178	18.447	18.432	(1.008)	2519659	20.0000	22.54
62 Carbazole	167	18.780	18.773	(1.026)	2233443	20.0000	21.65
63 Di-n-butylphthalate	149	19.584	19.577	(1.070)	3715420	20.0000	20.00
64 Fluoranthene	202	20.760	20.753	(0.887)	3863710	20.0000	20.02
65 Pyrene	202	21.194	21.179	(0.905)	3487447	20.0000	20.00
§ 66 Terphenyl-d14	244	21.480	21.473	(0.918)	1529920	20.0000	19.48
67 Butylbenzylphthalate	149	22.417	22.410	(0.958)	939422	20.0000	20.66
68 Benzo(a)anthracene	228	23.385	23.370	(0.999)	1911599	20.0000	20.04
* 69 Chrysene-d12	240	23.408	23.401	(1.000)	225089	4.00000	
70 3,3'-Dichlorobenzidine	252	23.338	23.323	(0.997)	1994148	60.0000	64.16
71 Chrysene	228	23.462	23.447	(1.002)	1762178	20.0000	19.97
72 bis(2-Ethylhexyl)phthalate	149	23.462	23.455	(0.958)	1293874	20.0000	19.98
* 134 Di-n-octylphthalate-d4	153	24.484	24.476	(1.000)	585877	4.00000	
73 Di-n-octylphthalate	149	24.492	24.485	(1.000)	2580310	20.0000	19.38
74 Benzo(b)fluoranthene	252	25.336	25.313	(0.970)	1819728	20.0000	22.74
75 Benzo(k)fluoranthene	252	25.382	25.359	(0.972)	1557898	20.0000	20.25
76 Benzo(a)pyrene	252	26.017	25.994	(0.996)	1484595	20.0000	22.67
* 77 Perylene-d12	264	26.126	26.118	(1.000)	176675	4.00000	
78 Indeno(1,2,3-cd)pyrene	276	28.962	28.916	(1.109)	1476908	20.0000	21.12
79 Dibenzo(a,h)anthracene	278	28.977	28.931	(1.109)	1082080	20.0000	20.22
80 Benzo(g,h,i)perylene	276	29.793	29.739	(1.140)	1206025	20.0000	21.58
90 N-Nitrosodimethylamine	74	4.720	4.697	(0.518)	1090397	40.0000	39.47
91 Aniline	93	8.575	8.560	(0.941)	1905562	40.0000	34.90
93 Benzidine	184	20.992	20.985	(0.897)	1094419	40.0000	32.96
103 Pyridine	79	4.720	4.728	(0.518)	1564138	20.0000	19.97
105 1-methylnaphthalene	142	13.275	13.260	(1.144)	2120690	20.0000	22.90
111 Azobenzene (1,2-DP-Hydrazine)	77	16.677	16.663	(1.094)	1706166	20.0000	18.98

Compounds	QUANT SIG						AMOUNTS	
	MASS		RT	EXP RT	REL RT	RESPONSE	CAL-AMT (ug/mL)	ON-COL (ug/mL)
187 Total Benzofluoranthenes	252		25.382	25.359	(0.972)	3249651	40.0000	43.56
120 2,3,4,6-Tetrachlorophenol	232		15.982	15.968	(1.049)	375954	20.0000	19.90

QC Flag Legend

M - Compound response manually integrated.

ARI Labs, Inc.

INTERNAL STANDARD COMPOUNDS
 AREA AND RT SUMMARY

Instrument ID: nt10.i Calibration Date: 23-JUN-2022
 Lab File ID: NT1022062303.D Calibration Time: 09:16
 Lab Smp Id: SKF0270-CAL7
 Analysis Type: SV Level:
 Quant Type: ISTD Sample Type:
 Operator: VTS
 Method File: \\target\share\chem3\nt10.i\20220623.b\ABN.m
 Misc Info:

Test Mode:
 Use Last Continuing Calibrator.

COMPOUND	STANDARD	AREA LIMIT		SAMPLE	%DIFF
		LOWER	UPPER		
8 1,4-Dichlorobenze	155417	77709	310834	115640	-25.59
27 Naphthalene-d8	491185	245593	982370	370549	-24.56
42 Acenaphthene-d10	281977	140989	563954	225060	-20.18
59 Phenanthrene-d10	498577	249289	997154	399324	-19.91
69 Chrysene-d12	263544	131772	527088	225089	-14.59
134 Di-n-octylphthala	453170	226585	906340	585877	29.28
77 Perylene-d12	174316	87158	348632	176675	1.35

COMPOUND	STANDARD	RT LIMIT		SAMPLE	%DIFF
		LOWER	UPPER		
8 1,4-Dichlorobenze	9.11	8.61	9.61	9.11	-0.00
27 Naphthalene-d8	11.60	11.10	12.10	11.60	0.06
42 Acenaphthene-d10	15.23	14.73	15.73	15.24	0.05
59 Phenanthrene-d10	18.29	17.79	18.79	18.30	0.04
69 Chrysene-d12	23.40	22.90	23.90	23.41	0.03
134 Di-n-octylphthala	24.47	23.97	24.97	24.48	0.06
77 Perylene-d12	26.13	25.63	26.63	26.13	-0.00

AREA UPPER LIMIT = +100% of internal standard area.
 AREA LOWER LIMIT = - 50% of internal standard area.
 RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
 RT LOWER LIMIT = - 0.50 minutes of internal standard RT.

REVIEW SUMMARY FOR FILE - NT1022062303.D

Lab ID: SKF0270-CAL7
nt10.i, ABN.m, 23-JUN-2022 09:54

RT CO-ELUTION COMPOUNDS

NO CO-ELUTIONS

Quant Method: ICAL

RRT CHECK

RRT	CCV RRT	DELTA	COMPOUND
0.973	0.954	0.0191	Benzoic acid

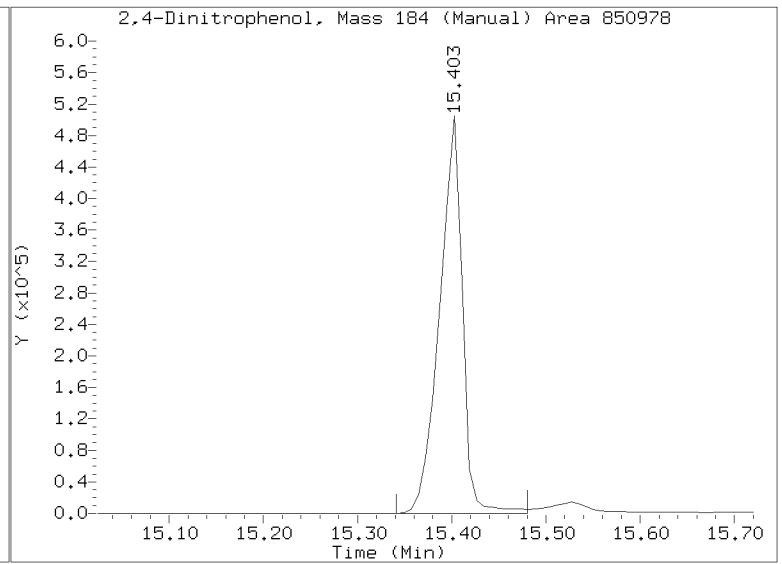
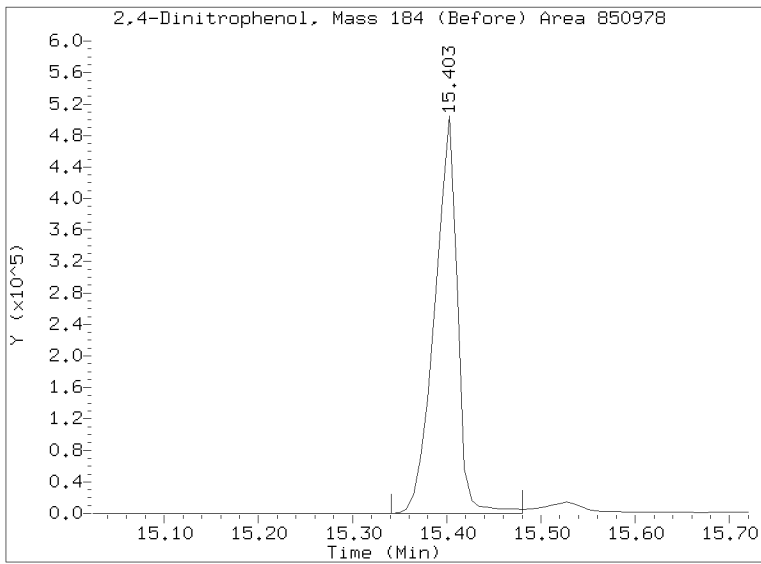
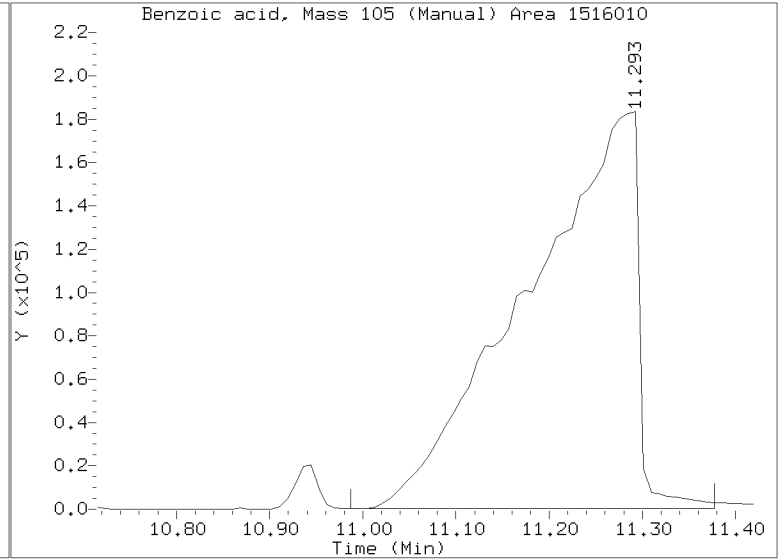
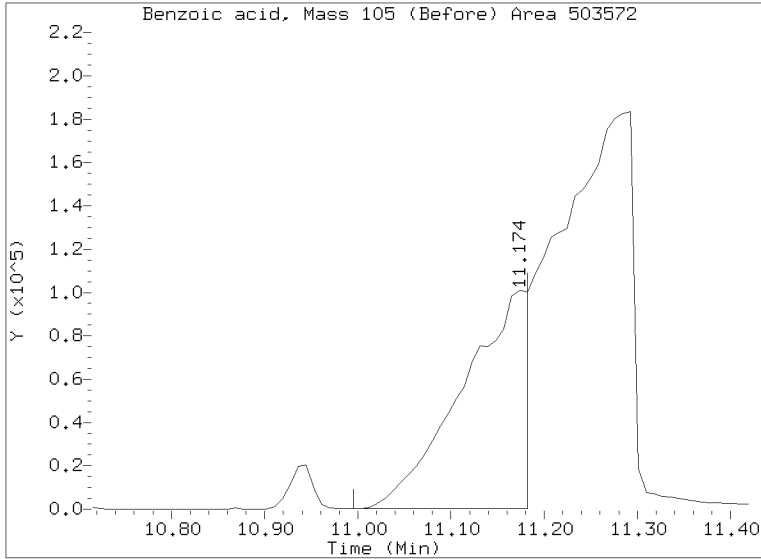
RRT check based on Ccal File: NT1022062308.D

On Column LOD for nt10.i, ABN.m, ICAL.sub = 0.0000

* Only compounds listed in the work order have been verified by the analyst *

Quant Ion Manual Peak Adjustment Report

Datafile: //target/share/chem3/nt10.i/20220623.b/NT1022062303.D
Injection Date: 23-JUN-2022 09:54
Lab ID:SKF0270-CAL7 Client ID:
Report Date: 06/24/2022 08:36



Data File: \\target\share\chem3\nt10.1\20220623.1\NT1022062304.D

Date: 23-JUN-2022 10:33

Client ID:

Sample Info: SKF0270-CAL1

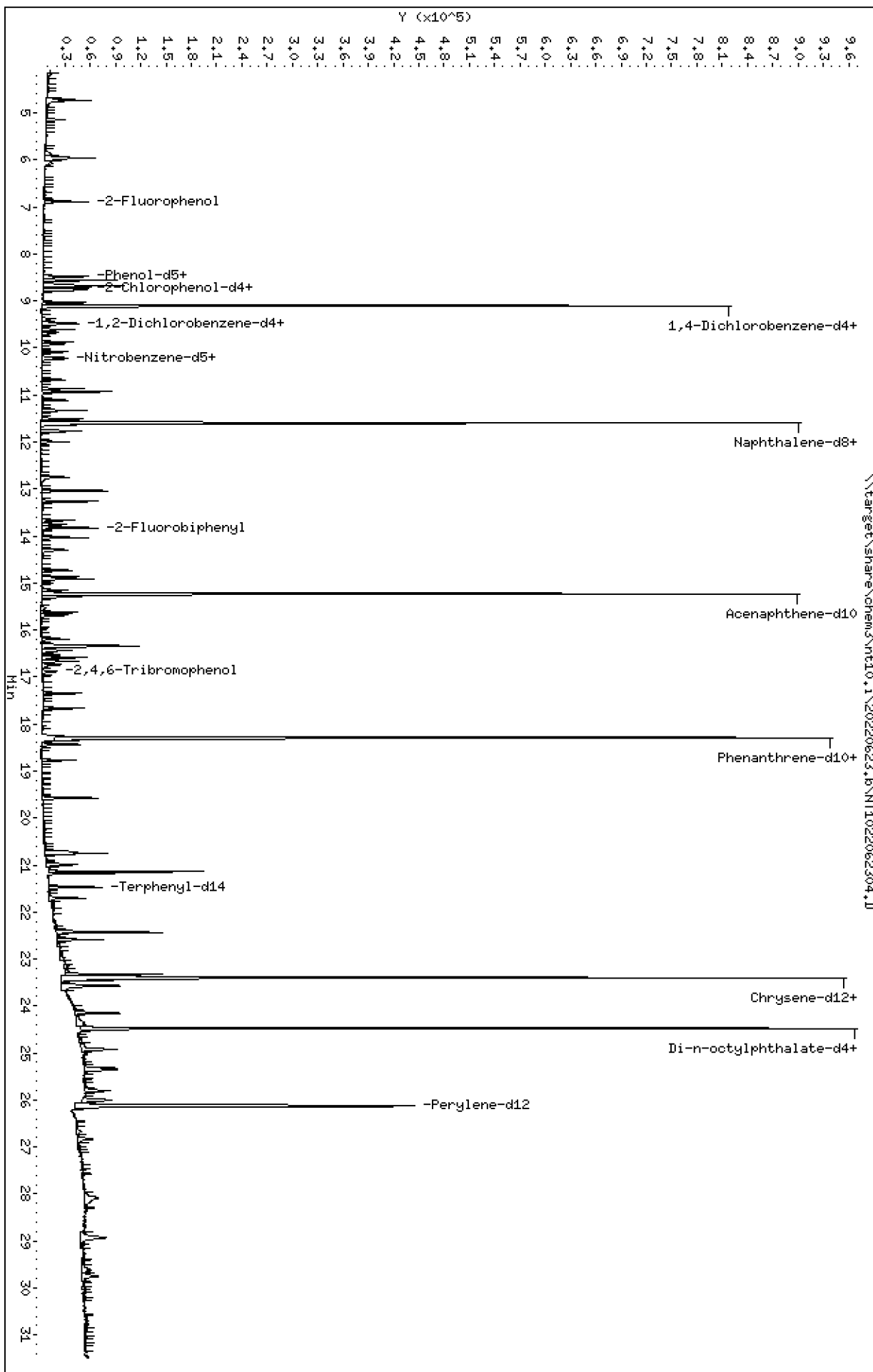
Column phase: ZB-5msi

Instrument: nt10.1

Operator: VTS

Column diameter: 0.25

Page 1



ARI Labs, Inc.

Semivolatile Report SW846 Method 8270D

Data file : \\target\share\chem3\nt10.i\20220623.b\NT1022062304.D
 Lab Smp Id: SKF0270-CAL1
 Inj Date : 23-JUN-2022 10:33
 Operator : VTS
 Smp Info : SKF0270-CAL1
 Misc Info :
 Comment : 1ul Injection
 Method : \\target\share\chem3\nt10.i\20220623.b\ABN.m
 Meth Date : 24-Jun-2022 08:34 yev
 Cal Date : 23-JUN-2022 13:07
 Als bottle: 4
 Dil Factor: 1.00000
 Integrator: HP RTE
 Target Version: 4.14
 Processing Host: ORGDATA102

Inst ID: nt10.i
 Quant Type: ISTD
 Cal File: NT1022062308.D
 Calibration Sample, Level: 1
 Compound Sublist: ICAL.sub

Compounds	QUANT	SIG	RT	EXP RT	REL RT	RESPONSE	AMOUNTS	
							CAL-AMT	ON-COL
	MASS						(ug/mL)	(ug/mL)
\$ 1 2-Fluorophenol	112		6.891	6.883	(0.756)	25507	0.30000	0.2881
\$ 2 Phenol-d5	99		8.475	8.475	(0.930)	32258	0.30000	0.2456
3 Phenol	94		8.498	8.497	(0.933)	23861	0.20000	0.2084
\$ 5 2-Chlorophenol-d4	132		8.745	8.745	(0.960)	26322	0.30000	0.2918
4 Bis(2-Chloroethyl)ether	93		8.645	8.645	(0.949)	18629	0.20000	0.2261
6 2-Chlorophenol	128		8.776	8.776	(0.963)	19383	0.20000	0.2124
7 1,3-Dichlorobenzene	146		9.039	9.040	(0.992)	21870	0.20000	0.2216
* 8 1,4-Dichlorobenzene-d4	152		9.109	9.102	(1.000)	242464	4.00000	
9 1,4-Dichlorobenzene	146		9.140	9.133	(1.003)	15854	0.20000	0.2038
\$ 10 1,2-Dichlorobenzene-d4	152		9.466	9.466	(1.039)	10932	0.20000	0.1967
12 1,2-Dichlorobenzene	146		9.497	9.490	(1.043)	17921	0.20000	0.2170
11 Benzyl alcohol	108		9.380	9.373	(1.030)	7940	0.20000	0.1741
14 2,2'-oxybis(1-Chloropropane)	121		9.675	9.676	(1.062)	4121	0.20000	0.2110
13 2-Methylphenol	108		9.613	9.606	(1.055)	14473	0.20000	0.2051
17 Hexachloroethane	117		10.087	10.087	(1.107)	6844	0.20000	0.1973
16 N-Nitroso-di-n-propylamine	70		9.932	9.924	(1.090)	10926	0.20000	0.2226
15 4-Methylphenol	108		9.885	9.878	(1.085)	15003	0.20000	0.1989
\$ 18 Nitrobenzene-d5	82		10.195	10.196	(0.879)	14699	0.20000	0.1860
19 Nitrobenzene	77		10.234	10.235	(0.883)	16693	0.20000	0.2096
20 Isophorone	82		10.677	10.677	(0.921)	20214	0.20000	0.1755
21 2-Nitrophenol	139		10.868	10.868	(0.937)	8760	0.20000	0.1742
22 2,4-Dimethylphenol	107		10.927	10.928	(0.942)	27762	0.40000	0.4544
23 Bis(2-Chloroethoxy)methane	93		11.114	11.114	(0.958)	16432	0.20000	0.2374
24 Benzoic acid	105		11.055	11.064	(0.953)	5700	0.80000	0.1811 (M)
25 2,4-Dichlorophenol	162		11.326	11.327	(0.977)	23891	0.40000	0.3847
26 1,2,4-Trichlorobenzene	180		11.511	11.512	(0.993)	15295	0.20000	0.2295
* 27 Naphthalene-d8	136		11.596	11.597	(1.000)	742519	4.00000	
28 Naphthalene	128		11.635	11.635	(1.003)	36033	0.20000	0.1896
29 4-Chloroaniline	127		11.766	11.767	(1.015)	25798	0.40000	0.3075
30 Hexachlorobutadiene	225		11.998	11.998	(1.035)	6595	0.20000	0.2074
31 4-Chloro-3-methylphenol	107		12.749	12.749	(1.099)	17626	0.40000	0.2410
32 2-Methylnaphthalene	142		13.043	13.043	(1.125)	32001	0.20000	0.1694
33 Hexachlorocyclopentadiene	237		13.507	13.508	(0.887)	162	0.40000	0.007520

Compounds	QUANT	SIG						AMOUNTS		
			MASS	RT	EXP RT	REL RT	RESPONSE	CAL-AMT (ug/mL)	ON-COL (ug/mL)	
34			196	13.670	13.670	(0.897)	11245	0.40000	0.2617	
35			196	13.755	13.747	(0.903)	12629	0.40000	0.2446	
\$ 36			172	13.824	13.825	(0.908)	32082	0.20000	0.1875	
37			162	14.041	14.034	(0.922)	29424	0.20000	0.1951	
38			65	14.304	14.297	(0.939)	11466	0.40000	0.2842	
39			163	14.730	14.730	(0.967)	29854	0.20000	0.2252	
40			152	14.916	14.908	(0.979)	48007	0.20000	0.2172	
41			165	14.877	14.870	(0.977)	11187	0.40000	0.3633	
* 42			164	15.233	15.226	(1.000)	378079	4.00000		
43			138	15.163	15.156	(0.995)	11930	0.40000	0.3291	
44			153	15.302	15.295	(1.005)	20232	0.20000	0.1840	
45			184	Compound Not Detected.						
46			168	15.627	15.627	(1.026)	31566	0.20000	0.1806	
47			109	15.534	15.504	(1.020)	2301	0.40000	0.1946	
48			165	15.689	15.682	(1.030)	11502	0.40000	0.2795	
50			149	16.199	16.192	(1.063)	23063	0.20000	0.2028	
49			166	16.346	16.338	(1.073)	45350	0.20000	0.2172	
51			204	16.338	16.331	(1.073)	19880	0.20000	0.2168	
52			138	16.439	16.424	(1.079)	14259	0.40000	0.3927	
53			198	16.539	16.532	(0.904)	6367	0.80000	0.2467	
54			169	16.585	16.585	(0.907)	24451	0.20000	0.2363	
\$ 55			330	16.886	16.886	(1.109)	3145	0.30000	0.1846	
56			248	17.348	17.349	(0.948)	9462	0.20000	0.1974	
57			284	17.665	17.666	(0.966)	10648	0.20000	0.2306	
58			266	18.037	18.038	(0.986)	485	0.40000	0.04926	
* 59			188	18.292	18.293	(1.000)	658081	4.00000		
60			178	18.339	18.339	(1.003)	33755	0.20000	0.1952	
61			178	18.439	18.432	(1.008)	33428	0.20000	0.1814	
62			167	18.772	18.773	(1.026)	32418	0.20000	0.1907	
63			149	19.577	19.577	(1.070)	40092	0.20000	0.1575	
64			202	20.753	20.753	(0.887)	46853	0.20000	0.1354	
65			202	21.186	21.179	(0.905)	51909	0.20000	0.1715	
\$ 66			244	21.472	21.473	(0.918)	32393	0.20000	0.1887	
67			149	22.409	22.410	(0.958)	19508	0.20000	0.1963	
68			228	23.369	23.370	(0.999)	43569	0.20000	0.2091	
* 69			240	23.400	23.401	(1.000)	491829	4.00000		
70			252	23.323	23.323	(0.997)	42475	0.60000	0.6254	
71			228	23.447	23.447	(1.002)	26170	0.20000	0.1897	
72			149	23.462	23.455	(0.959)	16736	0.20000	0.2095	
* 134			153	24.476	24.476	(1.000)	722685	4.00000		
73			149	24.484	24.485	(1.000)	34916	0.20000	0.2126	
74			252	25.320	25.313	(0.969)	28241	0.20000	0.1939	
75			252	25.367	25.359	(0.971)	26301	0.20000	0.1878	
76			252	26.002	25.994	(0.995)	23575	0.20000	0.1978	
* 77			264	26.126	26.118	(1.000)	321528	4.00000		
78			276	28.923	28.916	(1.107)	24654	0.20000	0.1937	
79			278	28.946	28.931	(1.108)	19817	0.20000	0.2034	
80			276	29.746	29.739	(1.139)	20466	0.20000	0.2012	
90			74	4.705	4.697	(0.517)	22160	0.40000	0.3825	
91			93	8.560	8.560	(0.940)	54289	0.40000	0.4742	
93			184	20.993	20.985	(0.897)	34527	0.40000	0.4759	
103			79	4.736	4.728	(0.520)	35708	0.20000	0.2175	
105			142	13.267	13.260	(1.144)	32084	0.20000	0.1729	
111			77	16.662	16.663	(1.094)	31687	0.20000	0.2098	

Compounds	QUANT SIG						AMOUNTS	
	MASS		RT	EXP RT	REL RT	RESPONSE	CAL-AMT (ug/mL)	ON-COL (ug/mL)
187 Total Benzofluoranthenes	252		25.320	25.359	(0.969)	52851	0.40000	0.3893
120 2,3,4,6-Tetrachlorophenol	232		15.975	15.968	(1.049)	2522	0.20000	0.07550

QC Flag Legend

M - Compound response manually integrated.

ARI Labs, Inc.

INTERNAL STANDARD COMPOUNDS
 AREA AND RT SUMMARY

Instrument ID: nt10.i Calibration Date: 23-JUN-2022
 Lab File ID: NT1022062304.D Calibration Time: 09:16
 Lab Smp Id: SKF0270-CAL1
 Analysis Type: SV Level:
 Quant Type: ISTD Sample Type:
 Operator: VTS
 Method File: \\target\share\chem3\nt10.i\20220623.b\ABN.m
 Misc Info:

Test Mode:
 Use Last Continuing Calibrator.

COMPOUND	STANDARD	AREA LIMIT		SAMPLE	%DIFF
		LOWER	UPPER		
8 1,4-Dichlorobenze	155417	77709	310834	242464	56.01
27 Naphthalene-d8	491185	245593	982370	742519	51.17
42 Acenaphthene-d10	281977	140989	563954	378079	34.08
59 Phenanthrene-d10	498577	249289	997154	658081	31.99
69 Chrysene-d12	263544	131772	527088	491829	86.62
134 Di-n-octylphthala	453170	226585	906340	722685	59.47
77 Perylene-d12	174316	87158	348632	321528	84.45

COMPOUND	STANDARD	RT LIMIT		SAMPLE	%DIFF
		LOWER	UPPER		
8 1,4-Dichlorobenze	9.11	8.61	9.61	9.11	-0.00
27 Naphthalene-d8	11.60	11.10	12.10	11.60	-0.00
42 Acenaphthene-d10	15.23	14.73	15.73	15.23	-0.00
59 Phenanthrene-d10	18.29	17.79	18.79	18.29	-0.00
69 Chrysene-d12	23.40	22.90	23.90	23.40	-0.00
134 Di-n-octylphthala	24.47	23.97	24.97	24.48	0.03
77 Perylene-d12	26.13	25.63	26.63	26.13	-0.00

AREA UPPER LIMIT = +100% of internal standard area.
 AREA LOWER LIMIT = - 50% of internal standard area.
 RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
 RT LOWER LIMIT = - 0.50 minutes of internal standard RT.

REVIEW SUMMARY FOR FILE - NT1022062304.D

Lab ID: SKF0270-CAL1
nt10.i, ABN.m, 23-JUN-2022 10:33

RT CO-ELUTION COMPOUNDS

NO CO-ELUTIONS

Quant Method: ICAL

RRT CHECK

RRT	CCV	RRT	DELTA	COMPOUND
-----	-----	-----	-------	----------

NONE

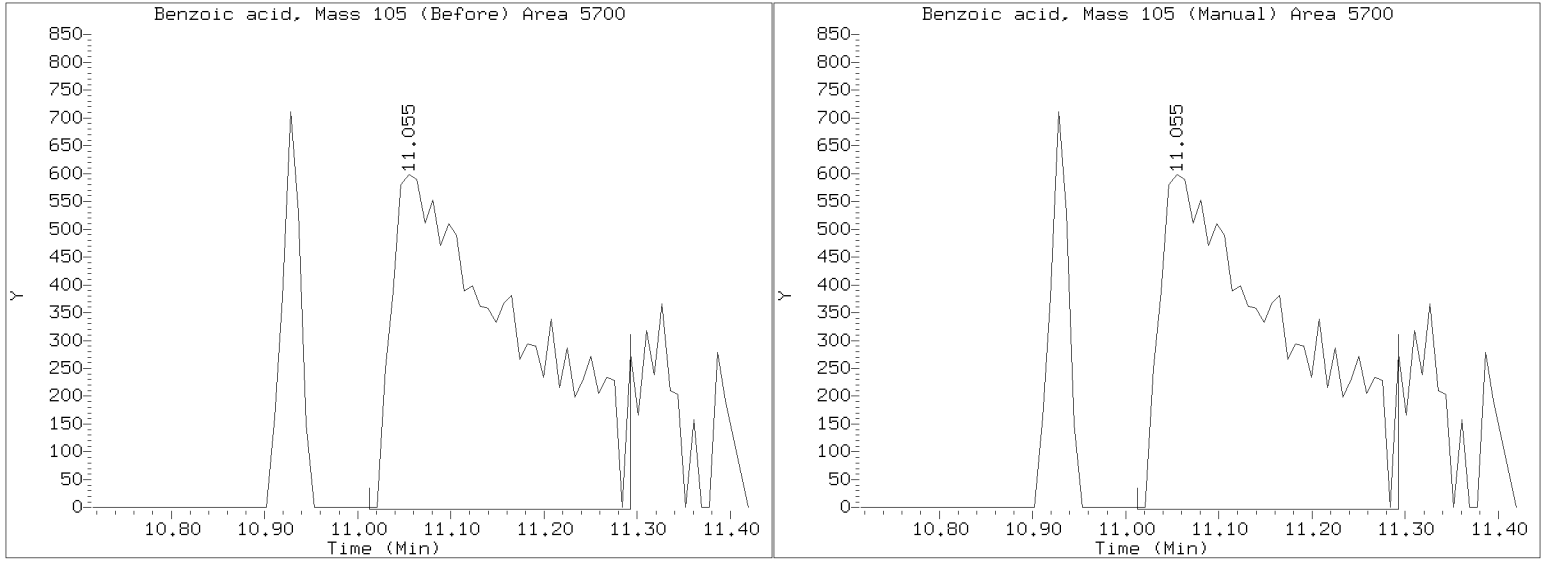
RRT check based on Ccal File: NT1022062308.D

On Column LOD for nt10.i, ABN.m, ICAL.sub = 0.0000

* Only compounds listed in the work order have been verified by the analyst *

Quant Ion Manual Peak Adjustment Report

Datafile: //target/share/chem3/nt10.i/20220623.b/NT1022062304.D
Injection Date: 23-JUN-2022 10:33
Lab ID:SKF0270-CAL1 Client ID:
Report Date: 06/24/2022 08:36



Data File: \\target\share\chem3\nt10.1\20220623.1\NT1022062305.D

Date: 23-JUN-2022 11:11

Client ID:

Sample Info: SKF0270-CAL6

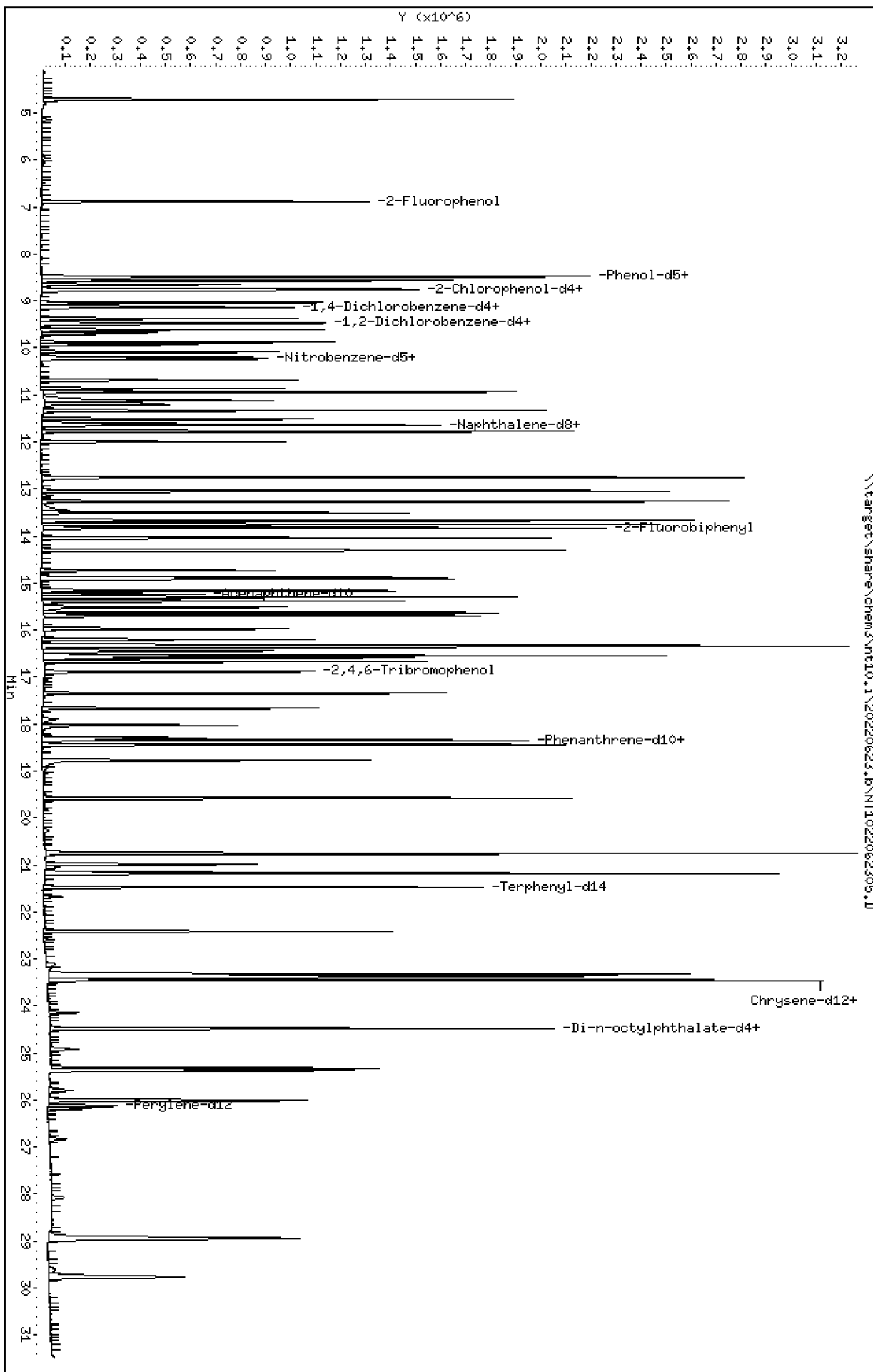
Column phase: ZB-5msi

Instrument: nt10.1

Operator: VTS

Column diameter: 0.25

Page 1



ARI Labs, Inc.

Semivolatile Report SW846 Method 8270D

Data file : \\target\share\chem3\nt10.i\20220623.b\NT1022062305.D
 Lab Smp Id: SKF0270-CAL6
 Inj Date : 23-JUN-2022 11:11
 Operator : VTS
 Smp Info : SKF0270-CAL6
 Misc Info :
 Comment : 1ul Injection
 Method : \\target\share\chem3\nt10.i\20220623.b\ABN.m
 Meth Date : 24-Jun-2022 08:34 yev
 Cal Date : 23-JUN-2022 13:07
 Als bottle: 5
 Dil Factor: 1.00000
 Integrator: HP RTE
 Target Version: 4.14
 Processing Host: ORGDATA102

Inst ID: nt10.i
 Quant Type: ISTD
 Cal File: NT1022062308.D
 Calibration Sample, Level: 6
 Compound Sublist: ICAL.sub

Compounds	QUANT	SIG	RT	EXP RT	REL RT	RESPONSE	AMOUNTS	
							CAL-AMT	ON-COL
	MASS						(ug/mL)	(ug/mL)
\$ 1 2-Fluorophenol	112		6.891	6.883	(0.756)	725658	15.0000	14.62
\$ 2 Phenol-d5	99		8.482	8.475	(0.931)	1238720	15.0000	16.82
3 Phenol	94		8.506	8.497	(0.934)	623866	10.0000	9.719
\$ 5 2-Chlorophenol-d4	132		8.753	8.745	(0.961)	814118	15.0000	16.09
4 Bis(2-Chloroethyl)ether	93		8.652	8.645	(0.950)	428737	10.0000	9.281
6 2-Chlorophenol	128		8.776	8.776	(0.963)	487171	10.0000	9.520
7 1,3-Dichlorobenzene	146		9.039	9.040	(0.992)	513355	10.0000	9.275
* 8 1,4-Dichlorobenzene-d4	152		9.109	9.102	(1.000)	135958	4.00000	
9 1,4-Dichlorobenzene	146		9.140	9.133	(1.003)	431343	10.0000	9.887
\$ 10 1,2-Dichlorobenzene-d4	152		9.466	9.466	(1.039)	313051	10.0000	10.04
12 1,2-Dichlorobenzene	146		9.497	9.490	(1.043)	441033	10.0000	9.522
11 Benzyl alcohol	108		9.380	9.373	(1.030)	280973	10.0000	10.99
14 2,2'-oxybis(1-Chloropropane)	121		9.675	9.676	(1.062)	104918	10.0000	9.579
13 2-Methylphenol	108		9.613	9.606	(1.055)	400995	10.0000	10.13
17 Hexachloroethane	117		10.087	10.087	(1.107)	201265	10.0000	10.35
16 N-Nitroso-di-n-propylamine	70		9.939	9.924	(1.091)	260737	10.0000	9.473
15 4-Methylphenol	108		9.885	9.878	(1.085)	427124	10.0000	10.10
\$ 18 Nitrobenzene-d5	82		10.203	10.196	(0.880)	490754	10.0000	10.36
19 Nitrobenzene	77		10.234	10.235	(0.883)	475418	10.0000	9.962
20 Isophorone	82		10.684	10.677	(0.921)	770637	10.0000	11.16
21 2-Nitrophenol	139		10.868	10.868	(0.937)	324752	10.0000	10.77
22 2,4-Dimethylphenol	107		10.927	10.928	(0.942)	687392	20.0000	18.77
23 Bis(2-Chloroethoxy)methane	93		11.114	11.114	(0.958)	385687	10.0000	9.299
24 Benzoic acid	105		11.207	11.064	(0.966)	827687	40.0000	40.45
25 2,4-Dichlorophenol	162		11.335	11.327	(0.977)	745822	20.0000	20.04
26 1,2,4-Trichlorobenzene	180		11.511	11.512	(0.993)	340211	10.0000	8.516
* 27 Naphthalene-d8	136		11.596	11.597	(1.000)	444992	4.00000	
28 Naphthalene	128		11.643	11.635	(1.004)	1204846	10.0000	10.58
29 4-Chloroaniline	127		11.774	11.767	(1.015)	1103471	20.0000	21.94
30 Hexachlorobutadiene	225		11.998	11.998	(1.035)	182521	10.0000	9.577
31 4-Chloro-3-methylphenol	107		12.749	12.749	(1.099)	937972	20.0000	20.23
32 2-Methylnaphthalene	142		13.043	13.043	(1.125)	1267015	10.0000	11.19
33 Hexachlorocyclopentadiene	237		13.507	13.508	(0.887)	360503	20.0000	21.12

Compounds	QUANT SIG		AMOUNTS				
	MASS	RT	EXP RT	REL RT	RESPONSE	CAL-AMT (ug/mL)	ON-COL (ug/mL)
34 2,4,6-Trichlorophenol	196	13.677	13.670	(0.898)	654159	20.0000	22.17
35 2,4,5-Trichlorophenol	196	13.755	13.747	(0.903)	701825	20.0000	20.18
\$ 36 2-Fluorobiphenyl	172	13.832	13.825	(0.908)	1178350	10.0000	10.03
37 2-Chloronaphthalene	162	14.041	14.034	(0.922)	1047578	10.0000	10.12
38 2-Nitroaniline	65	14.304	14.297	(0.939)	601370	20.0000	21.71
39 Dimethylphthalate	163	14.730	14.730	(0.967)	785902	10.0000	8.634
40 Acenaphthylene	152	14.916	14.908	(0.979)	1337105	10.0000	8.812
41 2,6-Dinitrotoluene	165	14.877	14.870	(0.977)	411737	20.0000	19.48
* 42 Acenaphthene-d10	164	15.233	15.226	(1.000)	259574	4.00000	
43 3-Nitroaniline	138	15.171	15.156	(0.996)	493680	20.0000	19.84
44 Acenaphthene	153	15.302	15.295	(1.005)	800671	10.0000	10.61
45 2,4-Dinitrophenol	184	15.387	15.372	(1.010)	431205	40.0000	41.22 (M)
46 Dibenzofuran	168	15.635	15.627	(1.026)	1271986	10.0000	10.60
47 4-Nitrophenol	109	15.511	15.504	(1.018)	172452	20.0000	20.26
48 2,4-Dinitrotoluene	165	15.697	15.682	(1.030)	599831	20.0000	21.23
50 Diethylphthalate	149	16.207	16.192	(1.064)	738623	10.0000	9.459
49 Fluorene	166	16.346	16.338	(1.073)	1334909	10.0000	9.312
51 4-Chlorophenyl-phenylether	204	16.338	16.331	(1.073)	599989	10.0000	9.531
52 4-Nitroaniline	138	16.446	16.424	(1.080)	520919	20.0000	20.90
53 4,6-Dinitro-2-methylphenol	198	16.547	16.532	(0.904)	724363	40.0000	40.44
54 N-Nitrosodiphenylamine	169	16.593	16.585	(0.907)	610576	10.0000	8.419
\$ 55 2,4,6-Tribromophenol	330	16.894	16.886	(1.109)	179842	15.0000	15.03
56 4-Bromophenyl-phenylether	248	17.348	17.349	(0.948)	335282	10.0000	9.978
57 Hexachlorobenzene	284	17.673	17.666	(0.966)	285662	10.0000	9.733
58 Pentachlorophenol	266	18.037	18.038	(0.986)	156587	20.0000	20.42
* 59 Phenanthrene-d10	188	18.300	18.293	(1.000)	461222	4.00000	
60 Phenanthrene	178	18.347	18.339	(1.003)	1253301	10.0000	10.34
61 Anthracene	178	18.439	18.432	(1.008)	1373448	10.0000	10.64
62 Carbazole	167	18.772	18.773	(1.026)	1122728	10.0000	9.425
63 Di-n-butylphthalate	149	19.584	19.577	(1.070)	1927524	10.0000	9.992
64 Fluoranthene	202	20.753	20.753	(0.887)	2071939	10.0000	9.781
65 Pyrene	202	21.186	21.179	(0.905)	1875158	10.0000	9.994
\$ 66 Terphenyl-d14	244	21.472	21.473	(0.918)	943604	10.0000	9.735
67 Butylbenzylphthalate	149	22.409	22.410	(0.958)	561536	10.0000	10.01
68 Benzo(a)anthracene	228	23.377	23.370	(0.999)	1164791	10.0000	9.897
* 69 Chrysene-d12	240	23.400	23.401	(1.000)	277750	4.00000	
70 3,3'-Dichlorobenzidine	252	23.331	23.323	(0.997)	922296	30.0000	24.05
71 Chrysene	228	23.455	23.447	(1.002)	899292	10.0000	10.20
72 bis(2-Ethylhexyl)phthalate	149	23.462	23.455	(0.959)	655958	10.0000	9.955
* 134 Di-n-octylphthalate-d4	153	24.476	24.476	(1.000)	596169	4.00000	
73 Di-n-octylphthalate	149	24.492	24.485	(1.001)	1350747	10.0000	9.968
74 Benzo(b)fluoranthene	252	25.328	25.313	(0.969)	1023409	10.0000	10.72
75 Benzo(k)fluoranthene	252	25.374	25.359	(0.971)	870295	10.0000	9.484
76 Benzo(a)pyrene	252	26.010	25.994	(0.996)	811139	10.0000	10.39
* 77 Perylene-d12	264	26.126	26.118	(1.000)	210708	4.00000	
78 Indeno(1,2,3-cd)pyrene	276	28.938	28.916	(1.108)	828094	10.0000	9.930
79 Dibenzo(a,h)anthracene	278	28.954	28.931	(1.108)	611627	10.0000	9.581
80 Benzo(g,h,i)perylene	276	29.770	29.739	(1.139)	671433	10.0000	10.07
90 N-Nitrosodimethylamine	74	4.712	4.697	(0.517)	665133	20.0000	20.48
91 Aniline	93	8.567	8.560	(0.941)	1182814	20.0000	18.42
93 Benzidine	184	20.993	20.985	(0.897)	620382	20.0000	15.14
103 Pyridine	79	4.720	4.728	(0.518)	865428	10.0000	9.399
105 1-methylnaphthalene	142	13.267	13.260	(1.144)	1233513	10.0000	11.09
111 Azobenzene (1,2-DP-Hydrazine)	77	16.670	16.663	(1.094)	993229	10.0000	9.581

Compounds	QUANT SIG						AMOUNTS	
	MASS		RT	EXP RT	REL RT	RESPONSE	CAL-AMT (ug/mL)	ON-COL (ug/mL)
187 Total Benzofluoranthenes	252		25.328	25.359	(0.969)	1815810	20.0000	20.41
120 2,3,4,6-Tetrachlorophenol	232		15.975	15.968	(1.049)	232972	10.0000	10.44

QC Flag Legend

M - Compound response manually integrated.

ARI Labs, Inc.

INTERNAL STANDARD COMPOUNDS
 AREA AND RT SUMMARY

Instrument ID: nt10.i Calibration Date: 23-JUN-2022
 Lab File ID: NT1022062305.D Calibration Time: 09:16
 Lab Smp Id: SKF0270-CAL6
 Analysis Type: SV Level:
 Quant Type: ISTD Sample Type:
 Operator: VTS
 Method File: \\target\share\chem3\nt10.i\20220623.b\ABN.m
 Misc Info:

Test Mode:
 Use Last Continuing Calibrator.

COMPOUND	STANDARD	AREA LIMIT		SAMPLE	%DIFF
		LOWER	UPPER		
8 1,4-Dichlorobenze	155417	77709	310834	135958	-12.52
27 Naphthalene-d8	491185	245593	982370	444992	-9.40
42 Acenaphthene-d10	281977	140989	563954	259574	-7.94
59 Phenanthrene-d10	498577	249289	997154	461222	-7.49
69 Chrysene-d12	263544	131772	527088	277750	5.39
134 Di-n-octylphthala	453170	226585	906340	596169	31.56
77 Perylene-d12	174316	87158	348632	210708	20.88

COMPOUND	STANDARD	RT LIMIT		SAMPLE	%DIFF
		LOWER	UPPER		
8 1,4-Dichlorobenze	9.11	8.61	9.61	9.11	-0.00
27 Naphthalene-d8	11.60	11.10	12.10	11.60	-0.00
42 Acenaphthene-d10	15.23	14.73	15.73	15.23	-0.00
59 Phenanthrene-d10	18.29	17.79	18.79	18.30	0.04
69 Chrysene-d12	23.40	22.90	23.90	23.40	-0.00
134 Di-n-octylphthala	24.47	23.97	24.97	24.48	0.03
77 Perylene-d12	26.13	25.63	26.63	26.13	-0.00

AREA UPPER LIMIT = +100% of internal standard area.
 AREA LOWER LIMIT = - 50% of internal standard area.
 RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
 RT LOWER LIMIT = - 0.50 minutes of internal standard RT.

REVIEW SUMMARY FOR FILE - NT1022062305.D

Lab ID: SKF0270-CAL6
nt10.i, ABN.m, 23-JUN-2022 11:11

RT CO-ELUTION COMPOUNDS

NO CO-ELUTIONS

Quant Method: ICAL

RRT CHECK

RRT	CCV RRT	DELTA	COMPOUND
0.966	0.954	0.0124	Benzoic acid

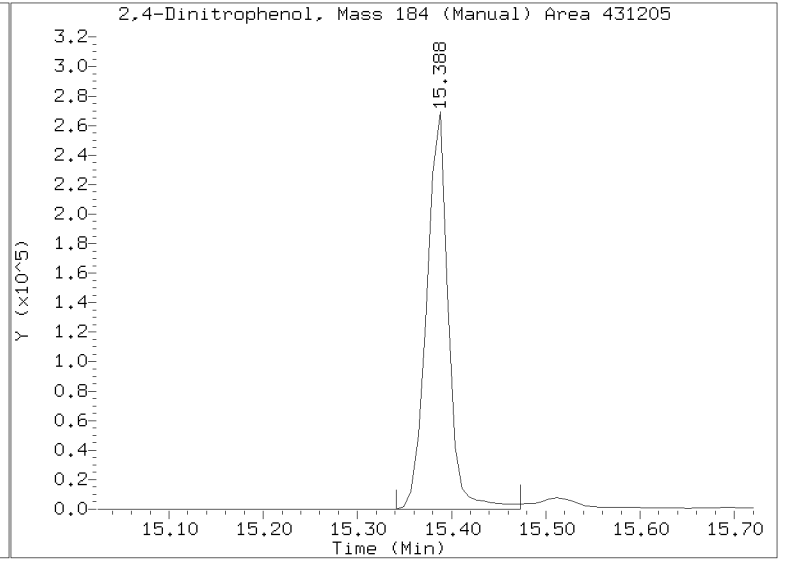
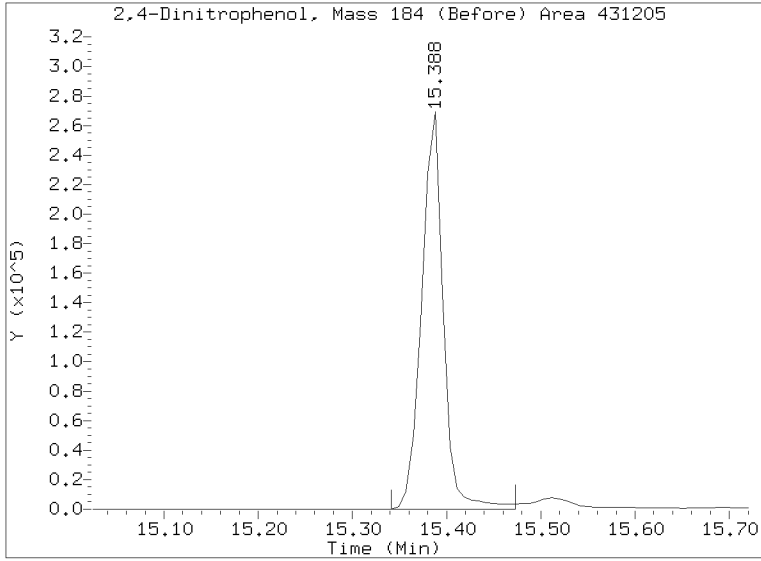
RRT check based on Ccal File: NT1022062308.D

On Column LOD for nt10.i, ABN.m, ICAL.sub = 0.0000

* Only compounds listed in the work order have been verified by the analyst *

Quant Ion Manual Peak Adjustment Report

Datafile: //target/share/chem3/nt10.i/20220623.b/NT1022062305.D
Injection Date: 23-JUN-2022 11:11
Lab ID:SKF0270-CAL6 Client ID:
Report Date: 06/24/2022 08:36



Data File: \\target\share\chem3\nt10.1\20220623.1\NT1022062306.D

Date: 23-JUN-2022 11:50

Client ID:

Sample Info: SKF0270-CAL2

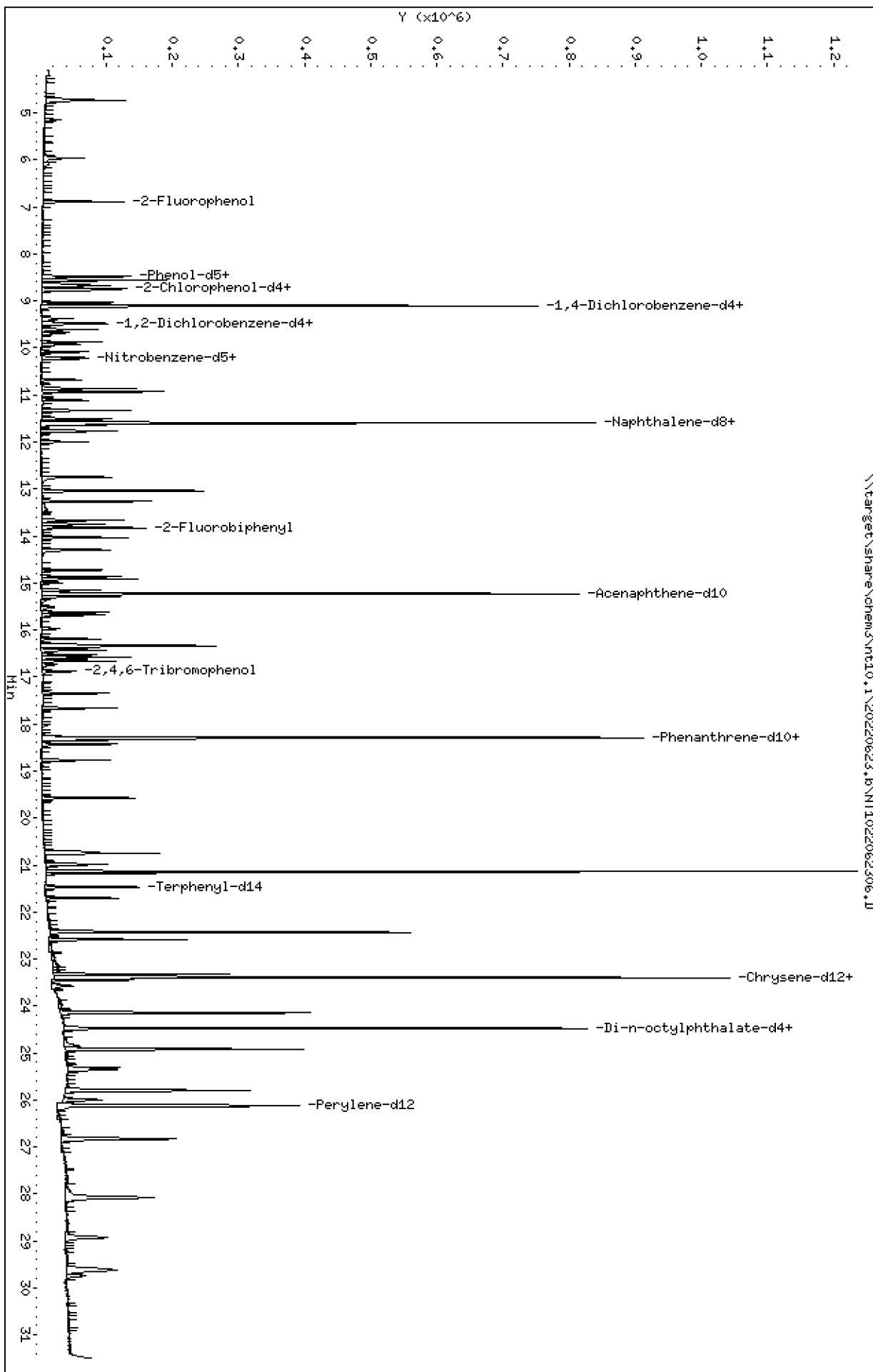
Column phase: ZB-5msi

Instrument: nt10.1

Operator: VTS

Column diameter: 0.25

Page 1



ARI Labs, Inc.

Semivolatile Report SW846 Method 8270D

Data file : \\target\share\chem3\nt10.i\20220623.b\NT1022062306.D
 Lab Smp Id: SKF0270-CAL2
 Inj Date : 23-JUN-2022 11:50
 Operator : VTS
 Smp Info : SKF0270-CAL2
 Misc Info :
 Comment : 1ul Injection
 Method : \\target\share\chem3\nt10.i\20220623.b\ABN.m
 Meth Date : 24-Jun-2022 08:34 yev
 Cal Date : 23-JUN-2022 13:07
 Als bottle: 6
 Dil Factor: 1.00000
 Integrator: HP RTE
 Target Version: 4.14
 Processing Host: ORGDATA102

Inst ID: nt10.i
 Quant Type: ISTD
 Cal File: NT1022062308.D
 Calibration Sample, Level: 2
 Compound Sublist: ICAL.sub

Compounds	QUANT	SIG	RT	EXP RT	REL RT	RESPONSE	AMOUNTS	
							CAL-AMT	ON-COL
	MASS						(ug/mL)	(ug/mL)
\$ 1 2-Fluorophenol	112		6.891	6.883	(0.756)	61282	0.75000	0.7740
\$ 2 Phenol-d5	99		8.475	8.475	(0.930)	78838	0.75000	0.6711
3 Phenol	94		8.498	8.497	(0.933)	51793	0.50000	0.5059
\$ 5 2-Chlorophenol-d4	132		8.745	8.745	(0.960)	59915	0.75000	0.7427
4 Bis(2-Chloroethyl)ether	93		8.645	8.645	(0.949)	37048	0.50000	0.5029
6 2-Chlorophenol	128		8.776	8.776	(0.963)	41126	0.50000	0.5039
7 1,3-Dichlorobenzene	146		9.039	9.040	(0.992)	47221	0.50000	0.5349
* 8 1,4-Dichlorobenzene-d4	152		9.109	9.102	(1.000)	216832	4.00000	
9 1,4-Dichlorobenzene	146		9.140	9.133	(1.003)	34704	0.50000	0.4988
\$ 10 1,2-Dichlorobenzene-d4	152		9.466	9.466	(1.039)	24658	0.50000	0.4960
12 1,2-Dichlorobenzene	146		9.489	9.490	(1.042)	37473	0.50000	0.5073
11 Benzyl alcohol	108		9.380	9.373	(1.030)	17409	0.50000	0.4269
14 2,2'-oxybis(1-Chloropropane)	121		9.675	9.676	(1.062)	8856	0.50000	0.5070
13 2-Methylphenol	108		9.613	9.606	(1.055)	32123	0.50000	0.5089
17 Hexachloroethane	117		10.087	10.087	(1.107)	15134	0.50000	0.4879
16 N-Nitroso-di-n-propylamine	70		9.932	9.924	(1.090)	22790	0.50000	0.5192
15 4-Methylphenol	108		9.877	9.878	(1.084)	34027	0.50000	0.5045
\$ 18 Nitrobenzene-d5	82		10.195	10.196	(0.879)	35108	0.50000	0.4813
19 Nitrobenzene	77		10.234	10.235	(0.883)	35834	0.50000	0.4874
20 Isophorone	82		10.677	10.677	(0.921)	45616	0.50000	0.4289
21 2-Nitrophenol	139		10.868	10.868	(0.937)	20167	0.50000	0.4343
22 2,4-Dimethylphenol	107		10.927	10.928	(0.942)	59348	1.00000	1.052
23 Bis(2-Chloroethoxy)methane	93		11.114	11.114	(0.958)	34240	0.50000	0.5358
24 Benzoic acid	105		11.046	11.064	(0.953)	16272	2.00000	0.5596 (MH)
25 2,4-Dichlorophenol	162		11.326	11.327	(0.977)	56849	1.00000	0.9915
26 1,2,4-Trichlorobenzene	180		11.511	11.512	(0.993)	32790	0.50000	0.5328
* 27 Naphthalene-d8	136		11.596	11.597	(1.000)	685569	4.00000	
28 Naphthalene	128		11.635	11.635	(1.003)	81228	0.50000	0.4629
29 4-Chloroaniline	127		11.766	11.767	(1.015)	61715	1.00000	0.7966
30 Hexachlorobutadiene	225		11.998	11.998	(1.035)	14451	0.50000	0.4922
31 4-Chloro-3-methylphenol	107		12.749	12.749	(1.099)	45423	1.00000	0.6718
32 2-Methylnaphthalene	142		13.043	13.043	(1.125)	75909	0.50000	0.4353
33 Hexachlorocyclopentadiene	237		13.507	13.508	(0.887)	2609	1.00000	0.1293

Compounds	QUANT SIG		AMOUNTS				
	MASS	RT	EXP RT	REL RT	RESPONSE	CAL-AMT (ug/mL)	ON-COL (ug/mL)
34 2,4,6-Trichlorophenol	196	13.670	13.670	(0.898)	32271	1.00000	0.8024
35 2,4,5-Trichlorophenol	196	13.747	13.747	(0.903)	32038	1.00000	0.6634
\$ 36 2-Fluorobiphenyl	172	13.824	13.825	(0.908)	81036	0.50000	0.5061
37 2-Chloronaphthalene	162	14.041	14.034	(0.922)	69344	0.50000	0.4912
38 2-Nitroaniline	65	14.296	14.297	(0.939)	31649	1.00000	0.8382
39 Dimethylphthalate	163	14.730	14.730	(0.967)	69974	0.50000	0.5639
40 Acenaphthylene	152	14.916	14.908	(0.980)	110613	0.50000	0.5348
41 2,6-Dinitrotoluene	165	14.869	14.870	(0.977)	29049	1.00000	1.008
* 42 Acenaphthene-d10	164	15.225	15.226	(1.000)	353855	4.00000	
43 3-Nitroaniline	138	15.155	15.156	(0.995)	31207	1.00000	0.9198
44 Acenaphthene	153	15.295	15.295	(1.005)	47527	0.50000	0.4618
45 2,4-Dinitrophenol	184	15.372	15.372	(1.010)	2886	2.00000	0.2260
46 Dibenzofuran	168	15.627	15.627	(1.026)	76810	0.50000	0.4696
47 4-Nitrophenol	109	15.519	15.504	(1.019)	6606	1.00000	0.5963
48 2,4-Dinitrotoluene	165	15.681	15.682	(1.030)	33223	1.00000	0.8625
50 Diethylphthalate	149	16.191	16.192	(1.063)	55904	0.50000	0.5252
49 Fluorene	166	16.346	16.338	(1.074)	105026	0.50000	0.5374
51 4-Chlorophenyl-phenylether	204	16.331	16.331	(1.073)	44884	0.50000	0.5230
52 4-Nitroaniline	138	16.431	16.424	(1.079)	33703	1.00000	0.9918
53 4,6-Dinitro-2-methylphenol	198	16.531	16.532	(0.904)	25336	2.00000	1.014
54 N-Nitrosodiphenylamine	169	16.585	16.585	(0.907)	55869	0.50000	0.5578
\$ 55 2,4,6-Tribromophenol	330	16.886	16.886	(1.109)	7895	0.75000	0.4948
56 4-Bromophenyl-phenylether	248	17.348	17.349	(0.948)	22245	0.50000	0.4793
57 Hexachlorobenzene	284	17.665	17.666	(0.966)	25122	0.50000	0.5644
58 Pentachlorophenol	266	18.037	18.038	(0.986)	2044	1.00000	0.2143
* 59 Phenanthrene-d10	188	18.292	18.293	(1.000)	636992	4.00000	
60 Phenanthrene	178	18.339	18.339	(1.003)	77448	0.50000	0.4628
61 Anthracene	178	18.432	18.432	(1.008)	79868	0.50000	0.4478
62 Carbazole	167	18.772	18.773	(1.026)	77360	0.50000	0.4702
63 Di-n-butylphthalate	149	19.577	19.577	(1.070)	98413	0.50000	0.3987
64 Fluoranthene	202	20.745	20.753	(0.887)	115483	0.50000	0.3866
65 Pyrene	202	21.178	21.179	(0.905)	113683	0.50000	0.4348
\$ 66 Terphenyl-d14	244	21.472	21.473	(0.918)	76477	0.50000	0.5171
67 Butylbenzylphthalate	149	22.409	22.410	(0.958)	44278	0.50000	0.5171
68 Benzo(a)anthracene	228	23.369	23.370	(0.999)	92497	0.50000	0.5150
* 69 Chrysene-d12	240	23.393	23.401	(1.000)	423840	4.00000	
70 3,3'-Dichlorobenzidine	252	23.323	23.323	(0.997)	92636	1.50000	1.583
71 Chrysene	228	23.439	23.447	(1.002)	52304	0.50000	0.4388
72 bis(2-Ethylhexyl)phthalate	149	23.462	23.455	(0.959)	32979	0.50000	0.4808
* 134 Di-n-octylphthalate-d4	153	24.476	24.476	(1.000)	620564	4.00000	
73 Di-n-octylphthalate	149	24.484	24.485	(1.000)	69363	0.50000	0.4918
74 Benzo(b)fluoranthene	252	25.312	25.313	(0.969)	54353	0.50000	0.4582
75 Benzo(k)fluoranthene	252	25.359	25.359	(0.971)	58637	0.50000	0.5141
76 Benzo(a)pyrene	252	25.994	25.994	(0.995)	43862	0.50000	0.4518
* 77 Perylene-d12	264	26.118	26.118	(1.000)	261902	4.00000	
78 Indeno(1,2,3-cd)pyrene	276	28.923	28.916	(1.107)	51654	0.50000	0.4984
79 Dibenzo(a,h)anthracene	278	28.931	28.931	(1.108)	41178	0.50000	0.5190
80 Benzo(g,h,i)perylene	276	29.738	29.739	(1.139)	38389	0.50000	0.4633
90 N-Nitrosodimethylamine	74	4.705	4.697	(0.517)	49576	1.00000	0.9570
91 Aniline	93	8.560	8.560	(0.940)	115998	1.00000	1.133
93 Benzidine	184	20.985	20.985	(0.897)	75111	1.00000	1.201
103 Pyridine	79	4.736	4.728	(0.520)	74924	0.50000	0.5102
105 1-methylnaphthalene	142	13.267	13.260	(1.144)	75711	0.50000	0.4419
111 Azobenzene (1,2-DP-Hydrazine)	77	16.662	16.663	(1.094)	73453	0.50000	0.5197

Compounds	QUANT SIG		AMOUNTS					
	MASS		RT	EXP RT	REL RT	RESPONSE	CAL-AMT (ug/mL)	ON-COL (ug/mL)
=====	=====		=====	=====	=====	=====	=====	=====
187 Total Benzofluoranthenes	252		25.312	25.359	(0.969)	106821	1.00000	0.9659
120 2,3,4,6-Tetrachlorophenol	232		15.967	15.968	(1.049)	7918	0.50000	0.2534

QC Flag Legend

- M - Compound response manually integrated.
- H - Operator selected an alternate compound hit.

ARI Labs, Inc.

INTERNAL STANDARD COMPOUNDS
 AREA AND RT SUMMARY

Instrument ID: nt10.i Calibration Date: 23-JUN-2022
 Lab File ID: NT1022062306.D Calibration Time: 09:16
 Lab Smp Id: SKF0270-CAL2
 Analysis Type: SV Level:
 Quant Type: ISTD Sample Type:
 Operator: VTS
 Method File: \\target\share\chem3\nt10.i\20220623.b\ABN.m
 Misc Info:

Test Mode:
 Use Last Continuing Calibrator.

COMPOUND	STANDARD	AREA LIMIT		SAMPLE	%DIFF
		LOWER	UPPER		
8 1,4-Dichlorobenze	155417	77709	310834	216832	39.52
27 Naphthalene-d8	491185	245593	982370	685569	39.57
42 Acenaphthene-d10	281977	140989	563954	353855	25.49
59 Phenanthrene-d10	498577	249289	997154	636992	27.76
69 Chrysene-d12	263544	131772	527088	423840	60.82
134 Di-n-octylphthala	453170	226585	906340	620564	36.94
77 Perylene-d12	174316	87158	348632	261902	50.25

COMPOUND	STANDARD	RT LIMIT		SAMPLE	%DIFF
		LOWER	UPPER		
8 1,4-Dichlorobenze	9.11	8.61	9.61	9.11	-0.00
27 Naphthalene-d8	11.60	11.10	12.10	11.60	-0.00
42 Acenaphthene-d10	15.23	14.73	15.73	15.23	-0.05
59 Phenanthrene-d10	18.29	17.79	18.79	18.29	-0.00
69 Chrysene-d12	23.40	22.90	23.90	23.39	-0.03
134 Di-n-octylphthala	24.47	23.97	24.97	24.48	0.03
77 Perylene-d12	26.13	25.63	26.63	26.12	-0.03

AREA UPPER LIMIT = +100% of internal standard area.
 AREA LOWER LIMIT = - 50% of internal standard area.
 RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
 RT LOWER LIMIT = - 0.50 minutes of internal standard RT.

REVIEW SUMMARY FOR FILE - NT1022062306.D

Lab ID: SKF0270-CAL2
nt10.i, ABN.m, 23-JUN-2022 11:50

RT CO-ELUTION COMPOUNDS

NO CO-ELUTIONS

Quant Method: ICAL

RRT CHECK

RRT	CCV	RRT	DELTA	COMPOUND
-----	-----	-----	-------	----------

NONE

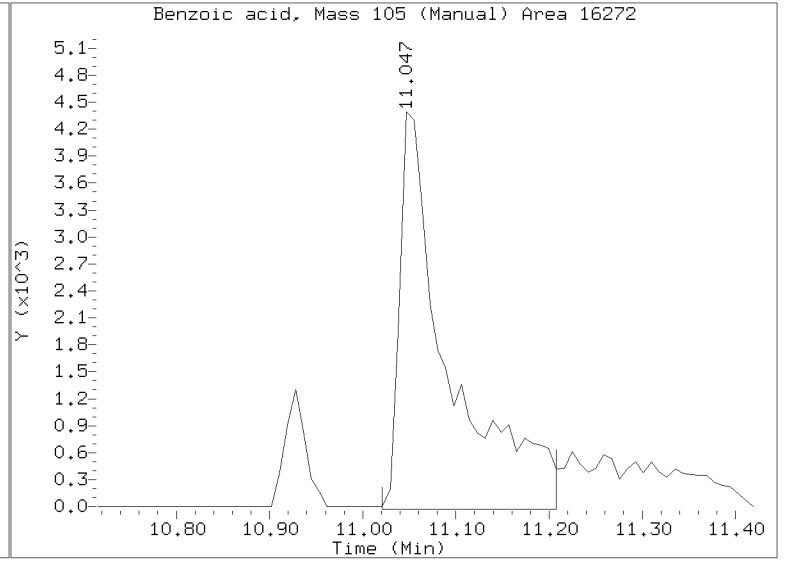
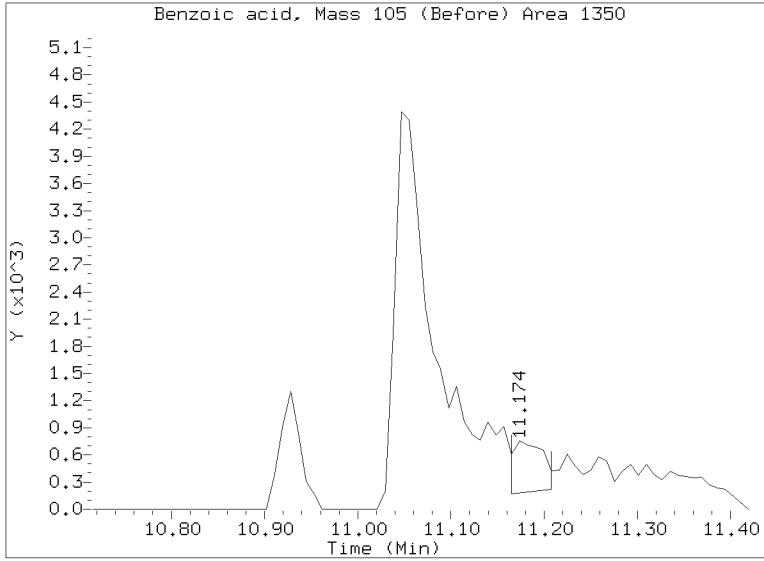
RRT check based on Ccal File: NT1022062308.D

On Column LOD for nt10.i, ABN.m, ICAL.sub = 0.0000

* Only compounds listed in the work order have been verified by the analyst *

Quant Ion Manual Peak Adjustment Report

Datafile: //target/share/chem3/nt10.i/20220623.b/NT1022062306.D
Injection Date: 23-JUN-2022 11:50
Lab ID:SKF0270-CAL2 Client ID:
Report Date: 06/24/2022 08:36



Data File: \\target\share\chem3\nt10.1\20220623.1\NT1022062307.D

Date: 23-JUN-2022 12:29

Client ID:

Sample Info: SKF0270-CAL4

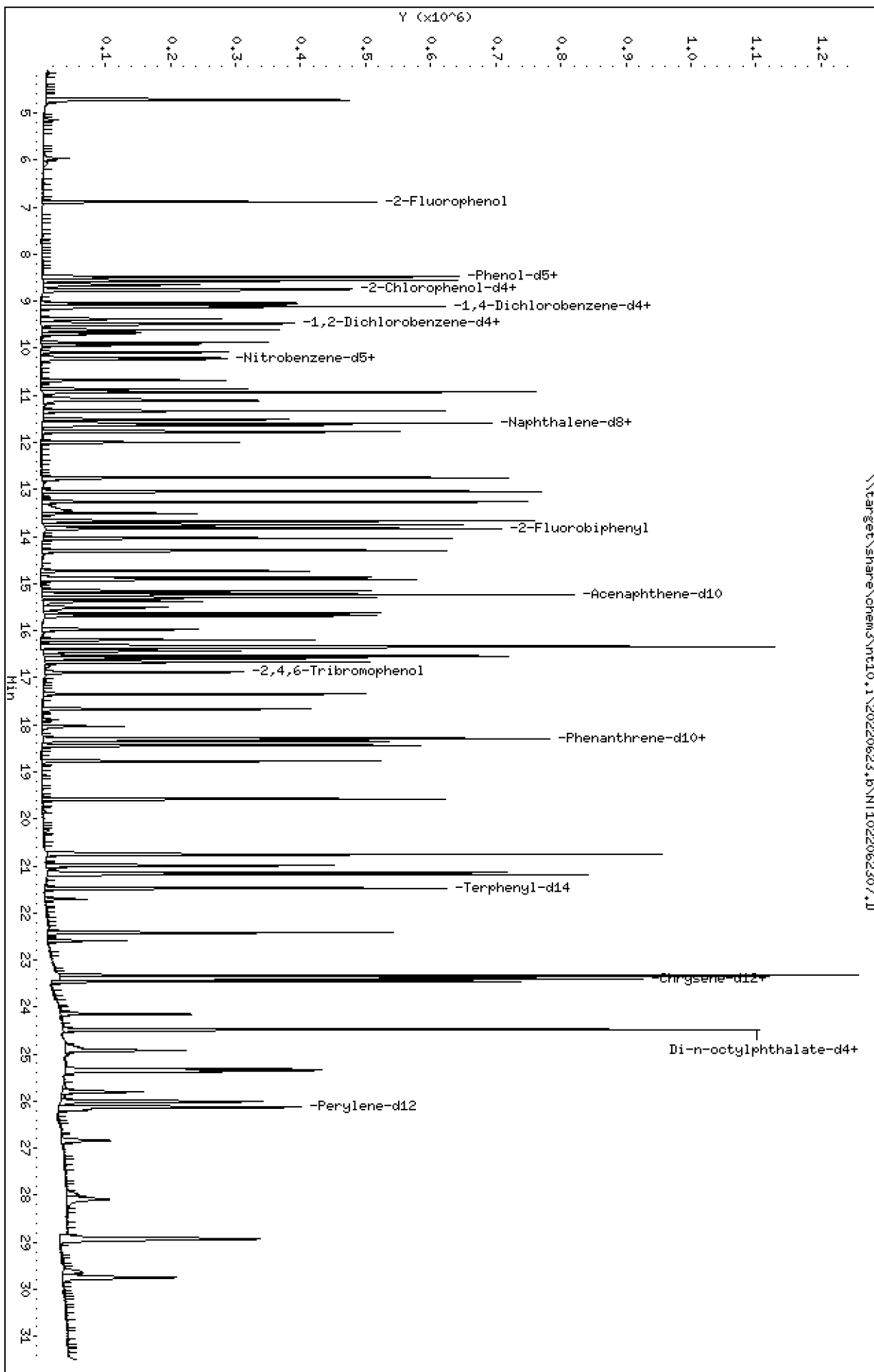
Column phase: ZB-5msi

Instrument: nt10.1

Operator: VTS

Column diameter: 0.25

\\target\share\chem3\nt10.1\20220623.1\NT1022062307.D



ARI Labs, Inc.

Semivolatile Report SW846 Method 8270D

Data file : \\target\share\chem3\nt10.i\20220623.b\NT1022062307.D
 Lab Smp Id: SKF0270-CAL4
 Inj Date : 23-JUN-2022 12:29
 Operator : VTS
 Smp Info : SKF0270-CAL4
 Misc Info :
 Comment : 1ul Injection
 Method : \\target\share\chem3\nt10.i\20220623.b\ABN.m
 Meth Date : 24-Jun-2022 08:34 yev
 Cal Date : 23-JUN-2022 13:07
 Als bottle: 7
 Dil Factor: 1.00000
 Integrator: HP RTE
 Target Version: 4.14
 Processing Host: ORGDATA102

Inst ID: nt10.i
 Quant Type: ISTD
 Cal File: NT1022062308.D
 Calibration Sample, Level: 4
 Compound Sublist: ICAL.sub

Compounds	QUANT	SIG	RT	EXP RT	REL RT	RESPONSE	AMOUNTS	
							CAL-AMT (ug/mL)	ON-COL (ug/mL)
\$ 1 2-Fluorophenol	112		6.890	6.883	(0.756)	251312	3.75000	4.011
\$ 2 Phenol-d5	99		8.474	8.475	(0.930)	368978	3.75000	3.969
3 Phenol	94		8.498	8.497	(0.933)	212719	2.50000	2.626
\$ 5 2-Chlorophenol-d4	132		8.745	8.745	(0.960)	243281	3.75000	3.811
4 Bis(2-Chloroethyl)ether	93		8.652	8.645	(0.950)	146206	2.50000	2.508
6 2-Chlorophenol	128		8.776	8.776	(0.963)	159971	2.50000	2.477
7 1,3-Dichlorobenzene	146		9.047	9.040	(0.993)	176381	2.50000	2.525
* 8 1,4-Dichlorobenzene-d4	152		9.109	9.102	(1.000)	171593	4.00000	
9 1,4-Dichlorobenzene	146		9.140	9.133	(1.003)	140425	2.50000	2.550
\$ 10 1,2-Dichlorobenzene-d4	152		9.466	9.466	(1.039)	102943	2.50000	2.617
12 1,2-Dichlorobenzene	146		9.497	9.490	(1.043)	148245	2.50000	2.536
11 Benzyl alcohol	108		9.380	9.373	(1.030)	83980	2.50000	2.602
14 2,2'-oxybis(1-Chloropropane)	121		9.675	9.676	(1.062)	33608	2.50000	2.431
13 2-Methylphenol	108		9.613	9.606	(1.055)	124410	2.50000	2.491
17 Hexachloroethane	117		10.087	10.087	(1.107)	60566	2.50000	2.467
16 N-Nitroso-di-n-propylamine	70		9.931	9.924	(1.090)	89073	2.50000	2.564
15 4-Methylphenol	108		9.877	9.878	(1.084)	136782	2.50000	2.562
\$ 18 Nitrobenzene-d5	82		10.203	10.196	(0.880)	154198	2.50000	2.608
19 Nitrobenzene	77		10.234	10.235	(0.883)	147670	2.50000	2.478
20 Isophorone	82		10.684	10.677	(0.921)	219337	2.50000	2.544
21 2-Nitrophenol	139		10.868	10.868	(0.937)	99756	2.50000	2.650
22 2,4-Dimethylphenol	107		10.927	10.928	(0.942)	244478	5.00000	5.347
23 Bis(2-Chloroethoxy)methane	93		11.114	11.114	(0.958)	119922	2.50000	2.316
24 Benzoic acid	105		11.097	11.064	(0.957)	175321	10.0000	7.348
25 2,4-Dichlorophenol	162		11.334	11.327	(0.977)	246169	5.00000	5.298
26 1,2,4-Trichlorobenzene	180		11.511	11.512	(0.993)	121923	2.50000	2.444
* 27 Naphthalene-d8	136		11.596	11.597	(1.000)	555613	4.00000	
28 Naphthalene	128		11.642	11.635	(1.004)	353186	2.50000	2.484
29 4-Chloroaniline	127		11.774	11.767	(1.015)	307736	5.00000	4.901
30 Hexachlorobutadiene	225		12.005	11.998	(1.035)	62208	2.50000	2.614
31 4-Chloro-3-methylphenol	107		12.748	12.749	(1.099)	258509	5.00000	4.668
32 2-Methylnaphthalene	142		13.043	13.043	(1.125)	360121	2.50000	2.548
33 Hexachlorocyclopentadiene	237		13.515	13.508	(0.887)	58265	5.00000	3.152

Compounds	QUANT SIG					AMOUNTS	
	MASS	RT	EXP RT	REL RT	RESPONSE	CAL-AMT (ug/mL)	ON-COL (ug/mL)
34 2,4,6-Trichlorophenol	196	13.669	13.670	(0.897)	186578	5.00000	5.150
35 2,4,5-Trichlorophenol	196	13.754	13.747	(0.903)	189477	5.00000	4.371
§ 36 2-Fluorobiphenyl	172	13.832	13.825	(0.908)	387154	2.50000	2.684
37 2-Chloronaphthalene	162	14.041	14.034	(0.922)	323601	2.50000	2.545
38 2-Nitroaniline	65	14.296	14.297	(0.939)	173971	5.00000	5.114
39 Dimethylphthalate	163	14.730	14.730	(0.967)	289201	2.50000	2.587
40 Acenaphthylene	152	14.916	14.908	(0.979)	507529	2.50000	2.724
41 2,6-Dinitrotoluene	165	14.877	14.870	(0.977)	133956	5.00000	5.159
* 42 Acenaphthene-d10	164	15.233	15.226	(1.000)	318777	4.00000	
43 3-Nitroaniline	138	15.155	15.156	(0.995)	158007	5.00000	5.170
44 Acenaphthene	153	15.302	15.295	(1.005)	230526	2.50000	2.487
45 2,4-Dinitrophenol	184	15.379	15.372	(1.010)	74917	10.0000	6.418 (M)
46 Dibenzofuran	168	15.627	15.627	(1.026)	380151	2.50000	2.580
47 4-Nitrophenol	109	15.511	15.504	(1.018)	44797	5.00000	4.450
48 2,4-Dinitrotoluene	165	15.689	15.682	(1.030)	179066	5.00000	5.160
50 Diethylphthalate	149	16.199	16.192	(1.063)	253620	2.50000	2.645
49 Fluorene	166	16.346	16.338	(1.073)	441383	2.50000	2.507
51 4-Chlorophenyl-phenylether	204	16.338	16.331	(1.073)	194528	2.50000	2.516
52 4-Nitroaniline	138	16.431	16.424	(1.079)	124230	5.00000	4.058
53 4,6-Dinitro-2-methylphenol	198	16.539	16.532	(0.904)	198043	10.0000	8.910
54 N-Nitrosodiphenylamine	169	16.593	16.585	(0.907)	226128	2.50000	2.532
§ 55 2,4,6-Tribromophenol	330	16.886	16.886	(1.109)	51241	3.75000	3.549
56 4-Bromophenyl-phenylether	248	17.348	17.349	(0.948)	104856	2.50000	2.534
57 Hexachlorobenzene	284	17.673	17.666	(0.966)	101607	2.50000	2.621
58 Pentachlorophenol	266	18.037	18.038	(0.986)	26726	5.00000	3.103
* 59 Phenanthrene-d10	188	18.292	18.293	(1.000)	567888	4.00000	
60 Phenanthrene	178	18.346	18.339	(1.003)	366587	2.50000	2.457
61 Anthracene	178	18.439	18.432	(1.008)	396442	2.50000	2.493
62 Carbazole	167	18.772	18.773	(1.026)	388731	2.50000	2.650
63 Di-n-butylphthalate	149	19.576	19.577	(1.070)	529822	2.50000	2.374
64 Fluoranthene	202	20.753	20.753	(0.887)	582487	2.50000	2.123
65 Pyrene	202	21.178	21.179	(0.905)	558362	2.50000	2.319
§ 66 Terphenyl-d14	244	21.472	21.473	(0.918)	339184	2.50000	2.530
67 Butylbenzylphthalate	149	22.417	22.410	(0.958)	186235	2.50000	2.400
68 Benzo(a)anthracene	228	23.377	23.370	(0.999)	403027	2.50000	2.476
* 69 Chrysene-d12	240	23.400	23.401	(1.000)	384194	4.00000	
70 3,3'-Dichlorobenzidine	252	23.330	23.323	(0.997)	433686	7.50000	8.175
71 Chrysene	228	23.447	23.447	(1.002)	253904	2.50000	2.303
72 bis(2-Ethylhexyl)phthalate	149	23.462	23.455	(0.959)	174043	2.50000	2.415
* 134 Di-n-octylphthalate-d4	153	24.476	24.476	(1.000)	651920	4.00000	
73 Di-n-octylphthalate	149	24.492	24.485	(1.001)	371739	2.50000	2.509
74 Benzo(b)fluoranthene	252	25.320	25.313	(0.969)	291088	2.50000	2.413
75 Benzo(k)fluoranthene	252	25.367	25.359	(0.971)	292928	2.50000	2.525
76 Benzo(a)pyrene	252	26.009	25.994	(0.996)	247635	2.50000	2.508
* 77 Perylene-d12	264	26.125	26.118	(1.000)	266368	4.00000	
78 Indeno(1,2,3-cd)pyrene	276	28.923	28.916	(1.107)	264069	2.50000	2.505
79 Dibenzo(a,h)anthracene	278	28.938	28.931	(1.108)	200870	2.50000	2.489
80 Benzo(g,h,i)perylene	276	29.754	29.739	(1.139)	217065	2.50000	2.576
90 N-Nitrosodimethylamine	74	4.705	4.697	(0.517)	212091	5.00000	5.173
91 Aniline	93	8.559	8.560	(0.940)	415426	5.00000	5.127
93 Benzidine	184	20.992	20.985	(0.897)	317142	5.00000	5.595
103 Pyridine	79	4.728	4.728	(0.519)	284232	2.50000	2.446
105 1-methylnaphthalene	142	13.267	13.260	(1.144)	355873	2.50000	2.563
111 Azobenzene (1,2-DP-Hydrazine)	77	16.670	16.663	(1.094)	322348	2.50000	2.532

Compounds	QUANT SIG		AMOUNTS					
	MASS		RT	EXP RT	REL RT	RESPONSE	CAL-AMT (ug/mL)	ON-COL (ug/mL)
187 Total Benzofluoranthenes	252		25.320	25.359	(0.969)	557245	5.00000	4.954
120 2,3,4,6-Tetrachlorophenol	232		15.975	15.968	(1.049)	59028	2.50000	2.108

QC Flag Legend

M - Compound response manually integrated.

ARI Labs, Inc.

INTERNAL STANDARD COMPOUNDS
 AREA AND RT SUMMARY

Instrument ID: nt10.i Calibration Date: 23-JUN-2022
 Lab File ID: NT1022062307.D Calibration Time: 09:16
 Lab Smp Id: SKF0270-CAL4
 Analysis Type: SV Level:
 Quant Type: ISTD Sample Type:
 Operator: VTS
 Method File: \\target\share\chem3\nt10.i\20220623.b\ABN.m
 Misc Info:

Test Mode:
 Use Last Continuing Calibrator.

COMPOUND	STANDARD	AREA LIMIT		SAMPLE	%DIFF
		LOWER	UPPER		
8 1,4-Dichlorobenze	155417	77709	310834	171593	10.41
27 Naphthalene-d8	491185	245593	982370	555613	13.12
42 Acenaphthene-d10	281977	140989	563954	318777	13.05
59 Phenanthrene-d10	498577	249289	997154	567888	13.90
69 Chrysene-d12	263544	131772	527088	384194	45.78
134 Di-n-octylphthala	453170	226585	906340	651920	43.86
77 Perylene-d12	174316	87158	348632	266368	52.81

COMPOUND	STANDARD	RT LIMIT		SAMPLE	%DIFF
		LOWER	UPPER		
8 1,4-Dichlorobenze	9.11	8.61	9.61	9.11	-0.00
27 Naphthalene-d8	11.60	11.10	12.10	11.60	-0.00
42 Acenaphthene-d10	15.23	14.73	15.73	15.23	-0.00
59 Phenanthrene-d10	18.29	17.79	18.79	18.29	-0.00
69 Chrysene-d12	23.40	22.90	23.90	23.40	-0.00
134 Di-n-octylphthala	24.47	23.97	24.97	24.48	0.03
77 Perylene-d12	26.13	25.63	26.63	26.13	-0.00

AREA UPPER LIMIT = +100% of internal standard area.
 AREA LOWER LIMIT = - 50% of internal standard area.
 RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
 RT LOWER LIMIT = - 0.50 minutes of internal standard RT.

REVIEW SUMMARY FOR FILE - NT1022062307.D

Lab ID: SKF0270-CAL4
nt10.i, ABN.m, 23-JUN-2022 12:29

RT CO-ELUTION COMPOUNDS

NO CO-ELUTIONS

Quant Method: ICAL

RRT CHECK

RRT	CCV	RRT	DELTA	COMPOUND
-----	-----	-----	-------	----------

NONE

RRT check based on Ccal File: NT1022062308.D

On Column LOD for nt10.i, ABN.m, ICAL.sub = 0.0000

* Only compounds listed in the work order have been verified by the analyst *

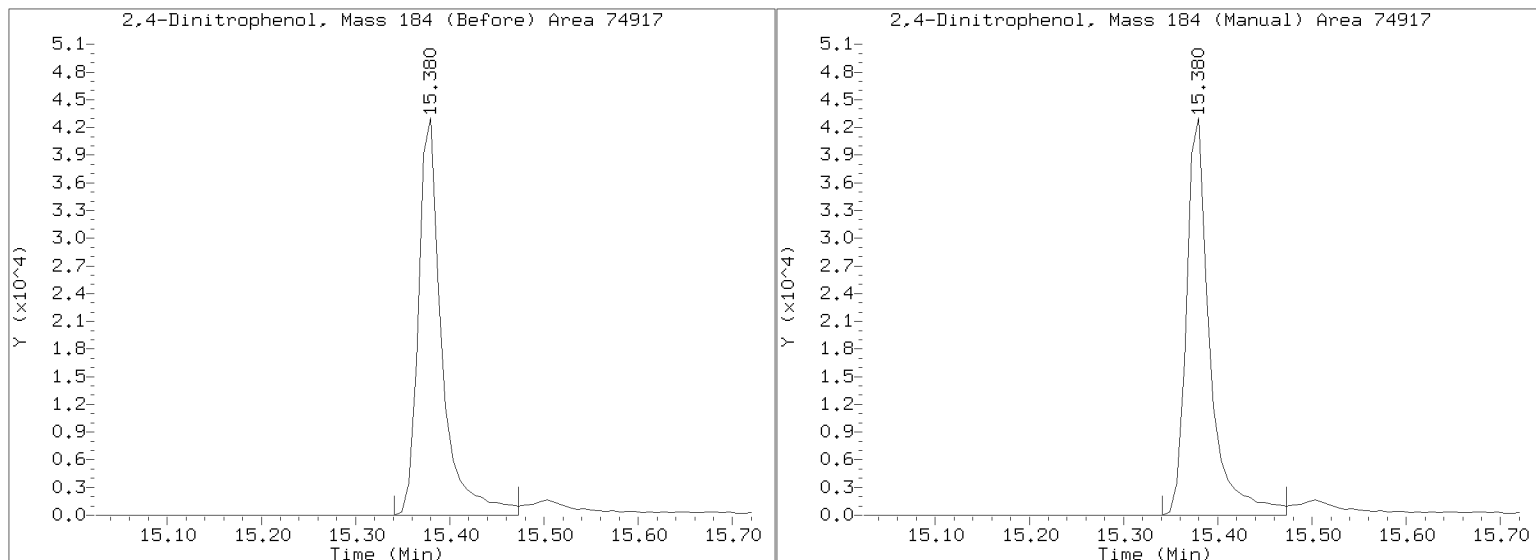
Quant Ion Manual Peak Adjustment Report

Datafile: //target/share/chem3/nt10.i/20220623.b/NT1022062307.D

Injection Date: 23-JUN-2022 12:29

Lab ID:SKF0270-CAL4 Client ID:

Report Date: 06/24/2022 08:37



Data File: \\target\share\chem3\nt10.1\20220623.1\NT1022062308.D

Date: 23-JUN-2022 13:07

Client ID:

Sample Info: SKF0270-CAL3

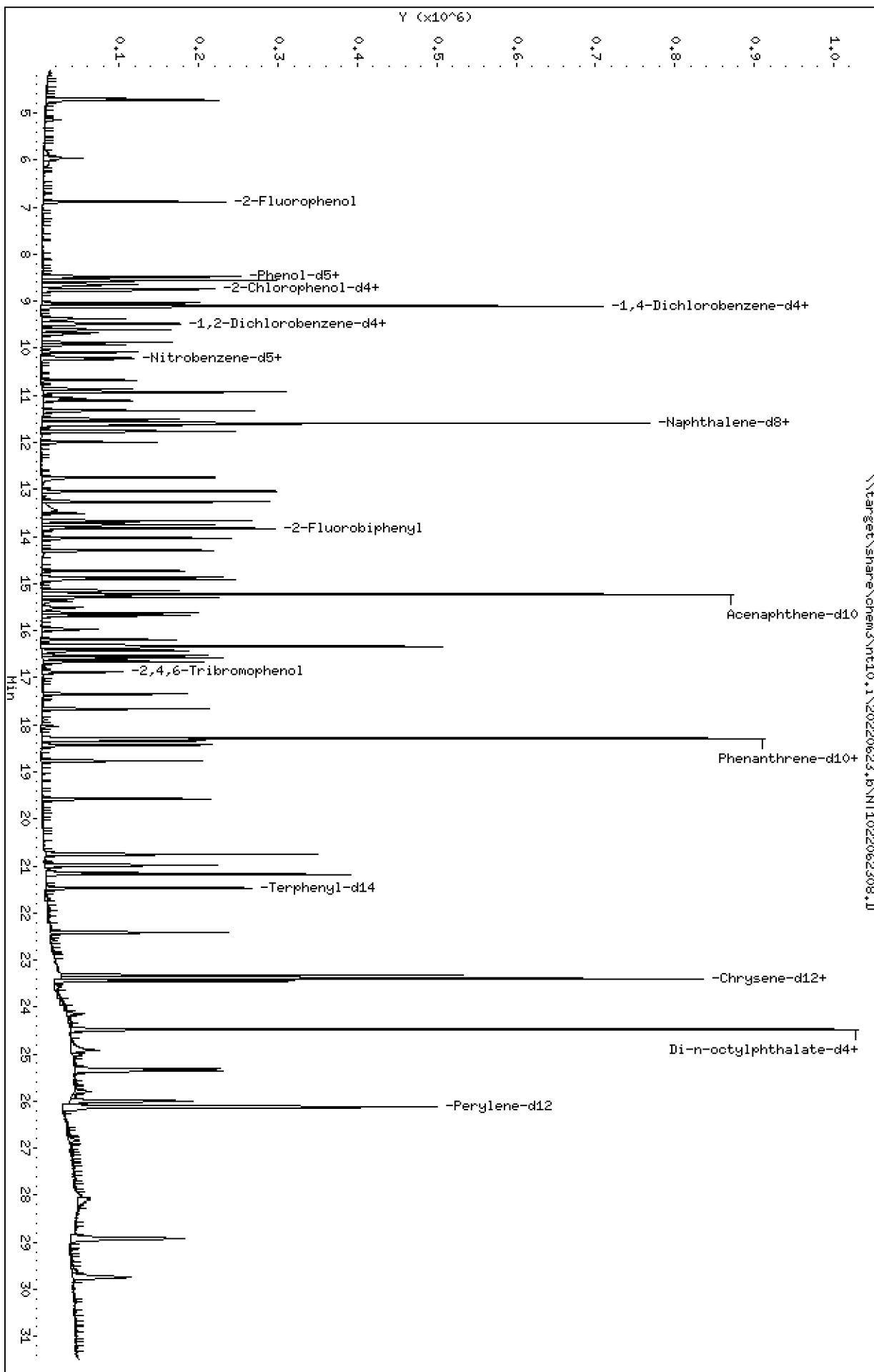
Column phase: ZB-5msi

Instrument: nt10.1

Operator: VTS

Column diameter: 0.25

Page 1



ARI Labs, Inc.

Semivolatile Report SW846 Method 8270D

Data file : \\target\share\chem3\nt10.i\20220623.b\NT1022062308.D
 Lab Smp Id: SKF0270-CAL3
 Inj Date : 23-JUN-2022 13:07
 Operator : VTS
 Smp Info : SKF0270-CAL3
 Misc Info :
 Comment : 1ul Injection
 Method : \\target\share\chem3\nt10.i\20220623.b\ABN.m
 Meth Date : 24-Jun-2022 08:34 yev
 Cal Date : 23-JUN-2022 13:07
 Als bottle: 8
 Dil Factor: 1.00000
 Integrator: HP RTE
 Target Version: 4.14
 Processing Host: ORGDATA102

Inst ID: nt10.i
 Quant Type: ISTD
 Cal File: NT1022062308.D
 Calibration Sample, Level: 3
 Compound Sublist: ICAL.sub

Compounds	QUANT SIG		AMOUNTS				
	MASS	RT	EXP RT	REL RT	RESPONSE	CAL-AMT (ug/mL)	ON-COL (ug/mL)
\$ 1 2-Fluorophenol	112	6.883	6.883	(0.756)	109371	1.50000	1.521
\$ 2 Phenol-d5	99	8.475	8.475	(0.931)	143241	1.50000	1.342
3 Phenol	94	8.498	8.497	(0.934)	93172	1.00000	1.002
\$ 5 2-Chlorophenol-d4	132	8.745	8.745	(0.961)	105118	1.50000	1.434
4 Bis(2-Chloroethyl)ether	93	8.645	8.645	(0.950)	69602	1.00000	1.040
6 2-Chlorophenol	128	8.776	8.776	(0.964)	74304	1.00000	1.002
7 1,3-Dichlorobenzene	146	9.039	9.040	(0.993)	82570	1.00000	1.030
* 8 1,4-Dichlorobenzene-d4	152	9.101	9.102	(1.000)	196951	4.00000	
9 1,4-Dichlorobenzene	146	9.132	9.133	(1.003)	61231	1.00000	0.9688
\$ 10 1,2-Dichlorobenzene-d4	152	9.466	9.466	(1.040)	44450	1.00000	0.9844
12 1,2-Dichlorobenzene	146	9.489	9.490	(1.043)	67210	1.00000	1.002
11 Benzyl alcohol	108	9.373	9.373	(1.030)	35126	1.00000	0.9483
14 2,2'-oxybis(1-Chloropropane)	121	9.675	9.676	(1.063)	16343	1.00000	1.030
13 2-Methylphenol	108	9.606	9.606	(1.055)	56769	1.00000	0.9902
17 Hexachloroethane	117	10.087	10.087	(1.108)	26778	1.00000	0.9505
16 N-Nitroso-di-n-propylamine	70	9.924	9.924	(1.090)	39221	1.00000	0.9837
15 4-Methylphenol	108	9.877	9.878	(1.085)	61049	1.00000	0.9964
\$ 18 Nitrobenzene-d5	82	10.195	10.196	(0.879)	64121	1.00000	0.9504
19 Nitrobenzene	77	10.234	10.235	(0.883)	63329	1.00000	0.9313
20 Isophorone	82	10.677	10.677	(0.921)	84583	1.00000	0.8599
21 2-Nitrophenol	139	10.868	10.868	(0.937)	42416	1.00000	0.9876
22 2,4-Dimethylphenol	107	10.927	10.928	(0.942)	107608	2.00000	2.062
23 Bis(2-Chloroethoxy)methane	93	11.114	11.114	(0.958)	59067	1.00000	0.9995
24 Benzoic acid	105	11.063	11.064	(0.954)	41871	4.00000	1.554
25 2,4-Dichlorophenol	162	11.326	11.327	(0.977)	104426	2.00000	1.969
26 1,2,4-Trichlorobenzene	180	11.511	11.512	(0.993)	56911	1.00000	0.9999
* 27 Naphthalene-d8	136	11.596	11.597	(1.000)	634040	4.00000	
28 Naphthalene	128	11.635	11.635	(1.003)	149978	1.00000	0.9242
29 4-Chloroaniline	127	11.766	11.767	(1.015)	125326	2.00000	1.749
30 Hexachlorobutadiene	225	11.998	11.998	(1.035)	26295	1.00000	0.9684
31 4-Chloro-3-methylphenol	107	12.749	12.749	(1.099)	90206	2.00000	1.440
32 2-Methylnaphthalene	142	13.043	13.043	(1.125)	140334	1.00000	0.8702
33 Hexachlorocyclopentadiene	237	13.507	13.508	(0.887)	11058	2.00000	0.5733

Compounds	QUANT SIG					AMOUNTS	
	MASS	RT	EXP RT	REL RT	RESPONSE	CAL-AMT (ug/mL)	ON-COL (ug/mL)
34 2,4,6-Trichlorophenol	196	13.670	13.670	(0.898)	65299	2.00000	1.702
35 2,4,5-Trichlorophenol	196	13.747	13.747	(0.903)	70179	2.00000	1.525
\$ 36 2-Fluorobiphenyl	172	13.824	13.825	(0.908)	151419	1.00000	0.9914
37 2-Chloronaphthalene	162	14.033	14.034	(0.922)	129032	1.00000	0.9584
38 2-Nitroaniline	65	14.296	14.297	(0.939)	64553	2.00000	1.792
39 Dimethylphthalate	163	14.730	14.730	(0.967)	125139	1.00000	1.057
40 Acenaphthylene	152	14.908	14.908	(0.979)	216699	1.00000	1.098
41 2,6-Dinitrotoluene	165	14.869	14.870	(0.977)	54200	2.00000	1.972
* 42 Acenaphthene-d10	164	15.225	15.226	(1.000)	337503	4.00000	
43 3-Nitroaniline	138	15.155	15.156	(0.995)	62118	2.00000	1.920
44 Acenaphthene	153	15.295	15.295	(1.005)	90651	1.00000	0.9235
45 2,4-Dinitrophenol	184	15.372	15.372	(1.010)	13016	4.00000	1.066 (M)
46 Dibenzofuran	168	15.627	15.627	(1.026)	147860	1.00000	0.9479
47 4-Nitrophenol	109	15.503	15.504	(1.018)	14046	2.00000	1.327
48 2,4-Dinitrotoluene	165	15.681	15.682	(1.030)	65455	2.00000	1.782
50 Diethylphthalate	149	16.191	16.192	(1.063)	104075	1.00000	1.025
49 Fluorene	166	16.338	16.338	(1.073)	187182	1.00000	1.004
51 4-Chlorophenyl-phenylether	204	16.331	16.331	(1.073)	78018	1.00000	0.9531
52 4-Nitroaniline	138	16.423	16.424	(1.079)	68144	2.00000	2.102
53 4,6-Dinitro-2-methylphenol	198	16.531	16.532	(0.904)	60131	4.00000	2.599
54 N-Nitrosodiphenylamine	169	16.585	16.585	(0.907)	99211	1.00000	1.069
\$ 55 2,4,6-Tribromophenol	330	16.886	16.886	(1.109)	18510	1.50000	1.215
56 4-Bromophenyl-phenylether	248	17.348	17.349	(0.948)	42042	1.00000	0.9778
57 Hexachlorobenzene	284	17.665	17.666	(0.966)	45982	1.00000	1.122
58 Pentachlorophenol	266	18.037	18.038	(0.986)	5380	2.00000	0.6078
* 59 Phenanthrene-d10	188	18.292	18.293	(1.000)	590158	4.00000	
60 Phenanthrene	178	18.339	18.339	(1.003)	144404	1.00000	0.9314
61 Anthracene	178	18.432	18.432	(1.008)	152732	1.00000	0.9244
62 Carbazole	167	18.772	18.773	(1.026)	152093	1.00000	0.9978
63 Di-n-butylphthalate	149	19.577	19.577	(1.070)	187086	1.00000	0.8157
64 Fluoranthene	202	20.753	20.753	(0.887)	219365	1.00000	0.6825
65 Pyrene	202	21.178	21.179	(0.905)	228765	1.00000	0.8125
\$ 66 Terphenyl-d14	244	21.472	21.473	(0.918)	147109	1.00000	0.9265
67 Butylbenzylphthalate	149	22.409	22.410	(0.958)	77102	1.00000	0.8388
68 Benzo(a)anthracene	228	23.369	23.370	(0.999)	182227	1.00000	0.9452
* 69 Chrysene-d12	240	23.400	23.401	(1.000)	454991	4.00000	
70 3,3'-Dichlorobenzidine	252	23.323	23.323	(0.997)	188423	3.00000	2.999
71 Chrysene	228	23.447	23.447	(1.002)	123360	1.00000	0.9588
72 bis(2-Ethylhexyl)phthalate	149	23.455	23.455	(0.958)	73449	1.00000	0.9082
* 134 Di-n-octylphthalate-d4	153	24.476	24.476	(1.000)	731655	4.00000	
73 Di-n-octylphthalate	149	24.484	24.485	(1.000)	162602	1.00000	0.9778
74 Benzo(b)fluoranthene	252	25.313	25.313	(0.969)	134312	1.00000	0.8982
75 Benzo(k)fluoranthene	252	25.359	25.359	(0.971)	143678	1.00000	0.9992
76 Benzo(a)pyrene	252	25.994	25.994	(0.995)	117913	1.00000	0.9634
* 77 Perylene-d12	264	26.118	26.118	(1.000)	330191	4.00000	
78 Indeno(1,2,3-cd)pyrene	276	28.915	28.916	(1.107)	119442	1.00000	0.9140
79 Dibenzo(a,h)anthracene	278	28.931	28.931	(1.108)	92605	1.00000	0.9257
80 Benzo(g,h,i)perylene	276	29.738	29.739	(1.139)	98493	1.00000	0.9429
90 N-Nitrosodimethylamine	74	4.697	4.697	(0.516)	94032	2.00000	1.998
91 Aniline	93	8.560	8.560	(0.941)	200024	2.00000	2.151
93 Benzidine	184	20.985	20.985	(0.897)	156905	2.00000	2.338
103 Pyridine	79	4.728	4.728	(0.520)	134440	1.00000	1.008
105 1-methylnaphthalene	142	13.259	13.260	(1.143)	141971	1.00000	0.8960
111 Azobenzene (1,2-DP-Hydrazine)	77	16.662	16.663	(1.094)	134643	1.00000	0.9989

Compounds	QUANT SIG						AMOUNTS	
	MASS		RT	EXP RT	REL RT	RESPONSE	CAL-AMT (ug/mL)	ON-COL (ug/mL)
187 Total Benzofluoranthenes	252		25.359	25.359	(0.971)	265864	2.00000	1.907
120 2,3,4,6-Tetrachlorophenol	232		15.967	15.968	(1.049)	17778	1.00000	0.5971

QC Flag Legend

M - Compound response manually integrated.

ARI Labs, Inc.

INTERNAL STANDARD COMPOUNDS
 AREA AND RT SUMMARY

Instrument ID: nt10.i Calibration Date: 23-JUN-2022
 Lab File ID: NT1022062308.D Calibration Time: 09:16
 Lab Smp Id: SKF0270-CAL3
 Analysis Type: SV Level:
 Quant Type: ISTD Sample Type:
 Operator: VTS
 Method File: \\target\share\chem3\nt10.i\20220623.b\ABN.m
 Misc Info:

Test Mode:
 Use Last Continuing Calibrator.

COMPOUND	STANDARD	AREA LIMIT		SAMPLE	%DIFF
		LOWER	UPPER		
8 1,4-Dichlorobenze	155417	77709	310834	196951	26.72
27 Naphthalene-d8	491185	245593	982370	634040	29.08
42 Acenaphthene-d10	281977	140989	563954	337503	19.69
59 Phenanthrene-d10	498577	249289	997154	590158	18.37
69 Chrysene-d12	263544	131772	527088	454991	72.64
134 Di-n-octylphthala	453170	226585	906340	731655	61.45
77 Perylene-d12	174316	87158	348632	330191	89.42

COMPOUND	STANDARD	RT LIMIT		SAMPLE	%DIFF
		LOWER	UPPER		
8 1,4-Dichlorobenze	9.11	8.61	9.61	9.10	-0.09
27 Naphthalene-d8	11.60	11.10	12.10	11.60	-0.00
42 Acenaphthene-d10	15.23	14.73	15.73	15.23	-0.05
59 Phenanthrene-d10	18.29	17.79	18.79	18.29	-0.00
69 Chrysene-d12	23.40	22.90	23.90	23.40	-0.00
134 Di-n-octylphthala	24.47	23.97	24.97	24.48	0.03
77 Perylene-d12	26.13	25.63	26.63	26.12	-0.03

AREA UPPER LIMIT = +100% of internal standard area.
 AREA LOWER LIMIT = - 50% of internal standard area.
 RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
 RT LOWER LIMIT = - 0.50 minutes of internal standard RT.

REVIEW SUMMARY FOR FILE - NT1022062308.D

Lab ID: SKF0270-CAL3
nt10.i, ABN.m, 23-JUN-2022 13:07

RT CO-ELUTION COMPOUNDS

NO CO-ELUTIONS

Quant Method: ICAL

RRT CHECK

RRT	CCV	RRT	DELTA	COMPOUND
-----	-----	-----	-------	----------

NONE

RRT check based on Ccal File: NT1022062308.D

On Column LOD for nt10.i, ABN.m, ICAL.sub = 0.0000

* Only compounds listed in the work order have been verified by the analyst *

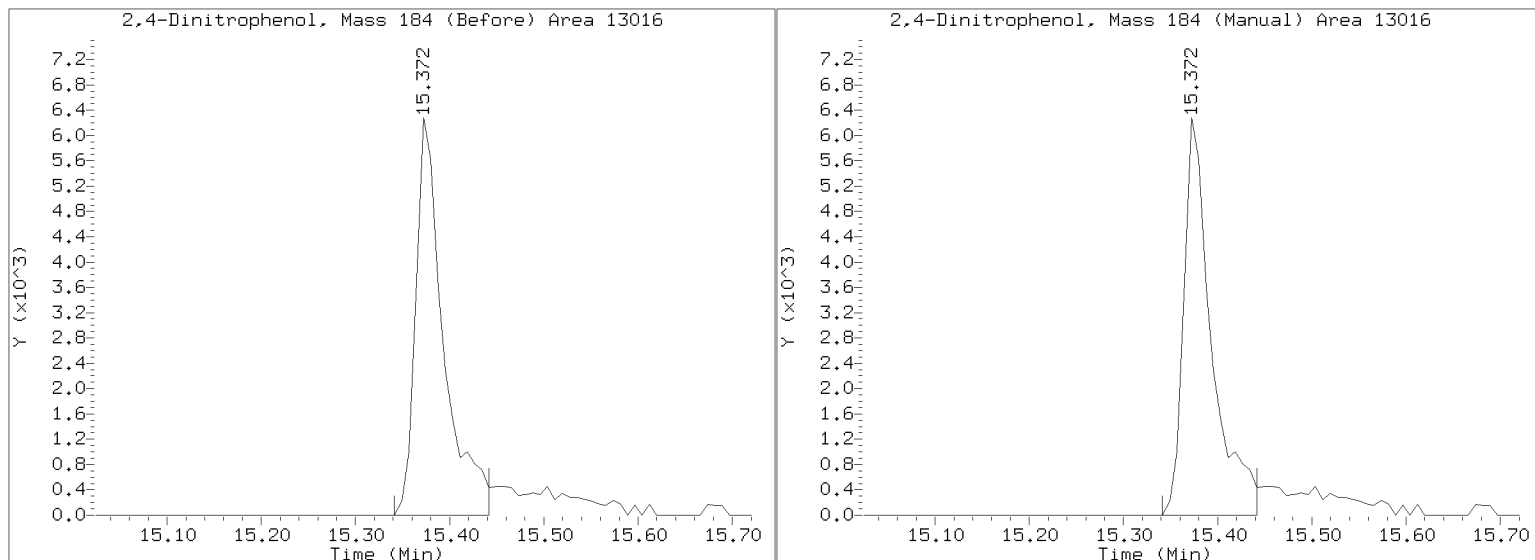
Quant Ion Manual Peak Adjustment Report

Datafile: //target/share/chem3/nt10.i/20220623.b/NT1022062308.D

Injection Date: 23-JUN-2022 13:07

Lab ID:SKF0270-CAL3 Client ID:

Report Date: 06/24/2022 08:37



Data File: \\target\share\chem3\nt10.1\20220623.1\NT1022062311.D

Date: 23-JUN-2022 15:20

Client ID:

Sample Info: SKF0270-SCW1

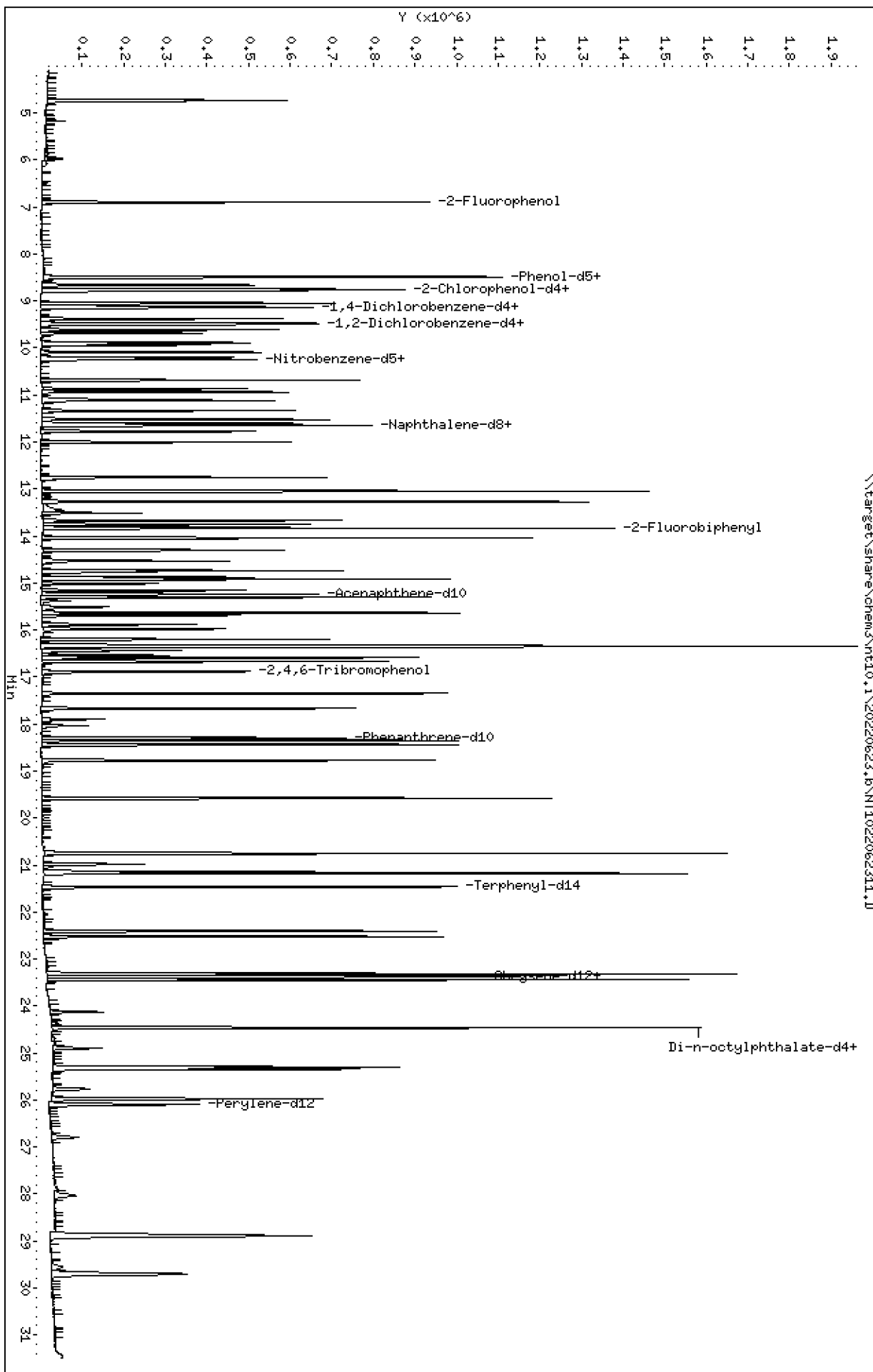
Column phase: ZB-5msi

Instrument: nt10.1

Operator: VTS

Column diameter: 0.25

Page 1



Date : 23-JUN-2022 15:20

Client ID:

Instrument: nt10.i

Sample Info: SKF0270-SCV1

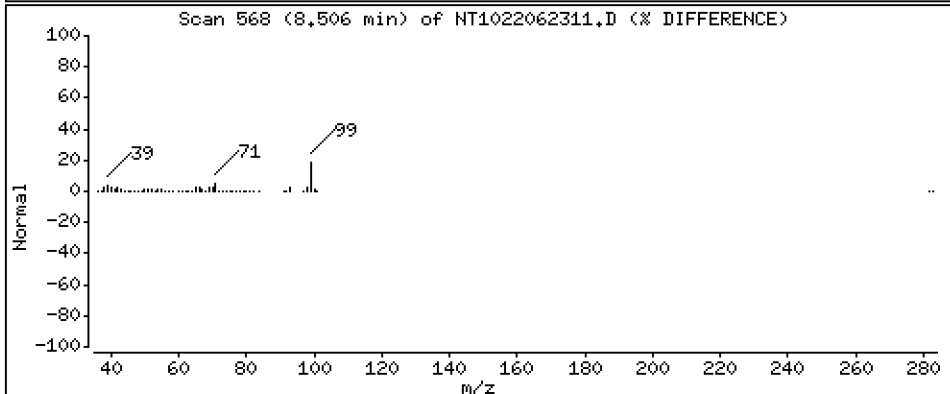
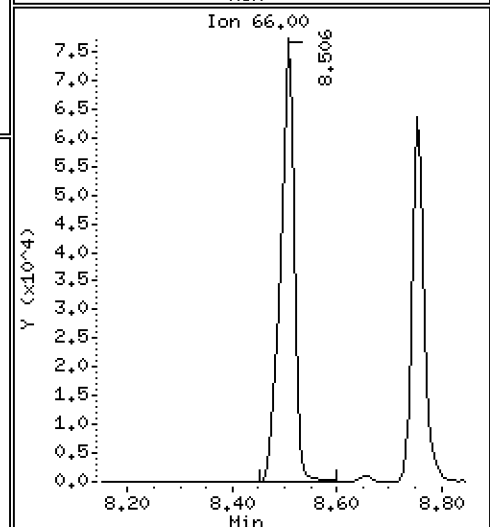
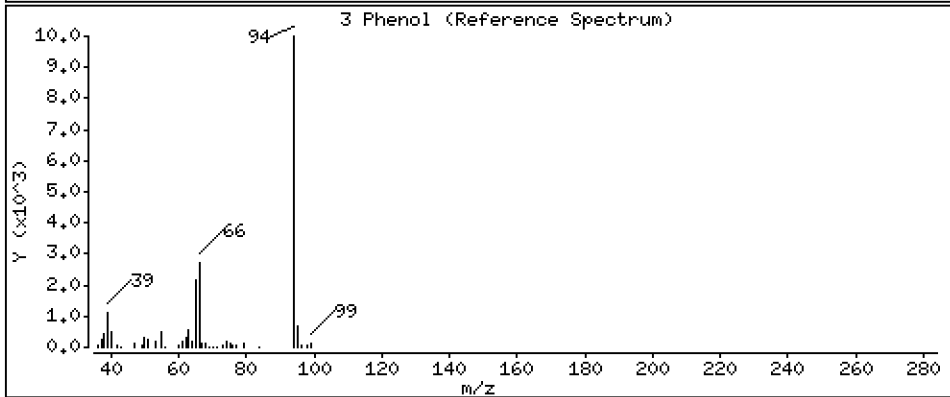
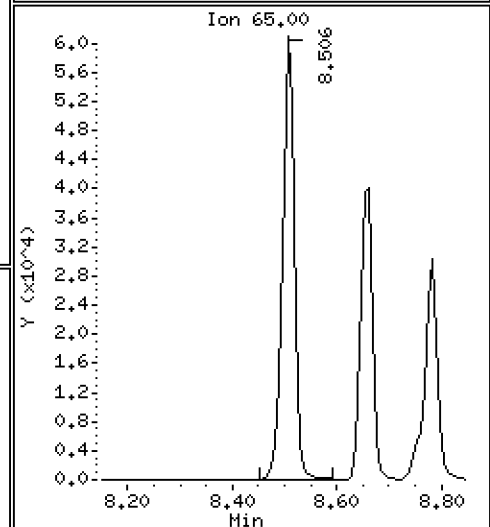
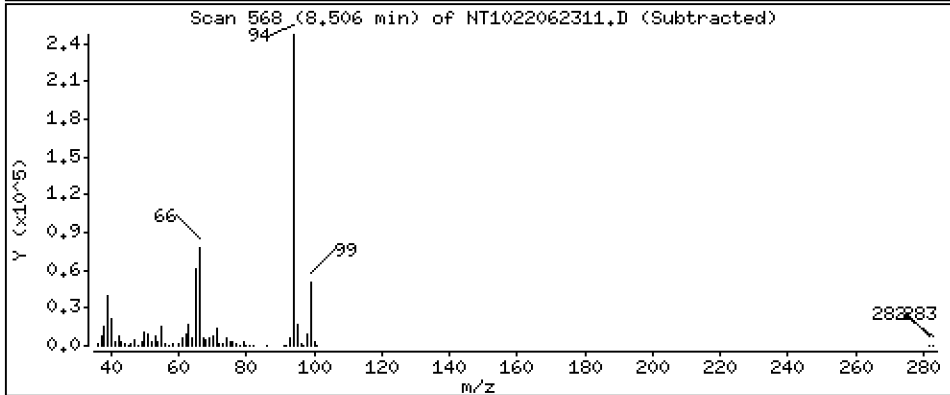
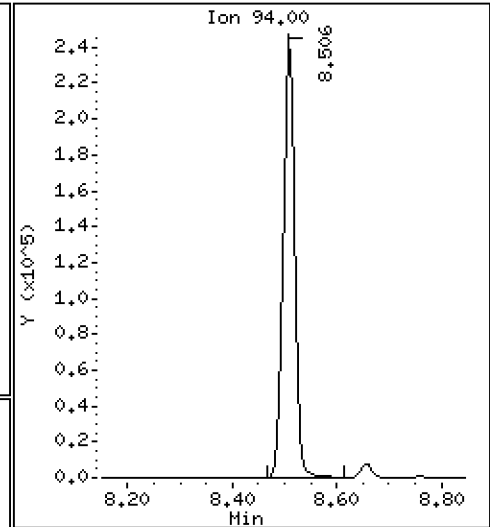
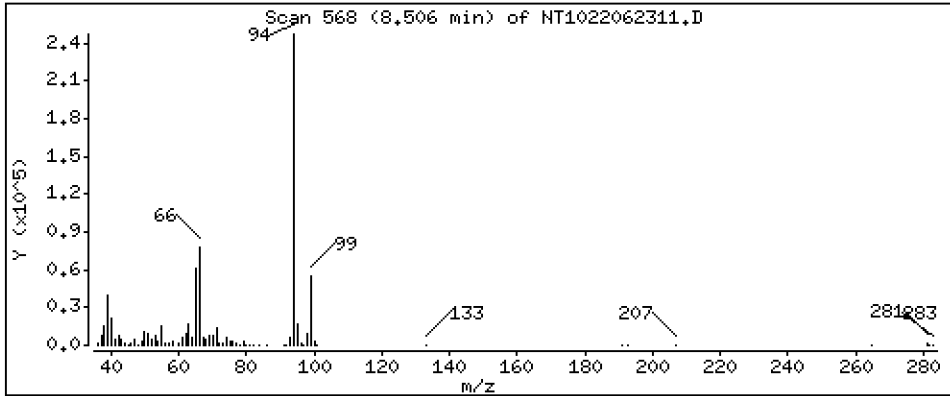
Operator: VTS

Column phase: ZB-5msi

Column diameter: 0,25

3 Phenol

Concentration: 5,135 ug/mL



Date : 23-JUN-2022 15:20

Client ID:

Instrument: nt10.i

Sample Info: SKF0270-SCV1

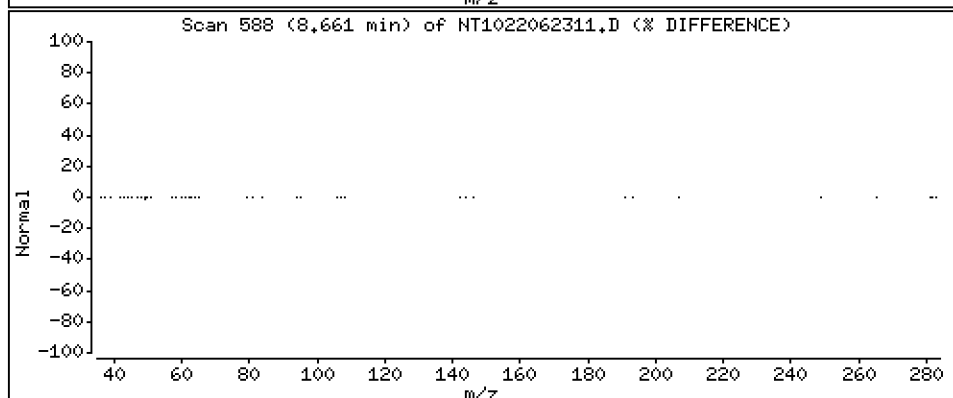
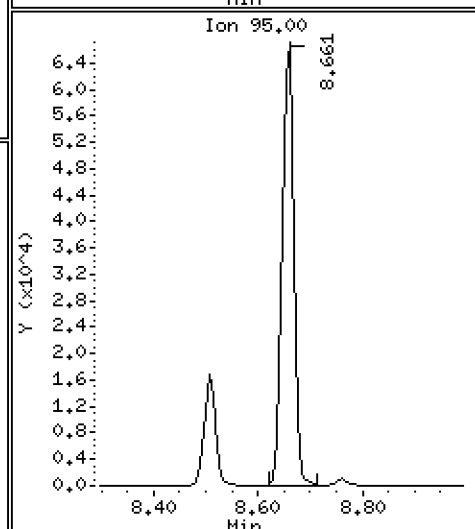
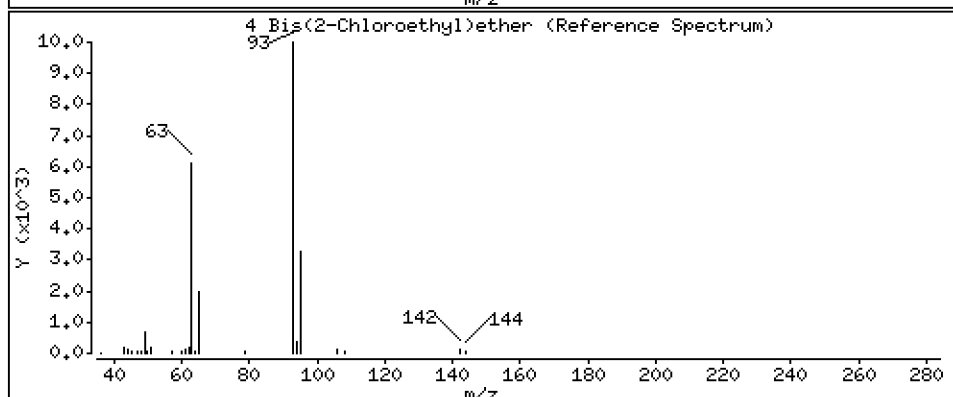
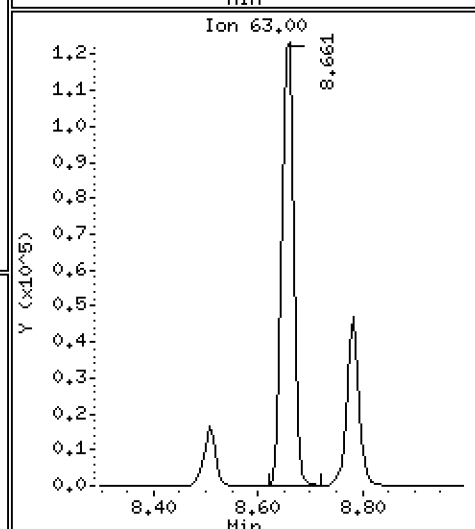
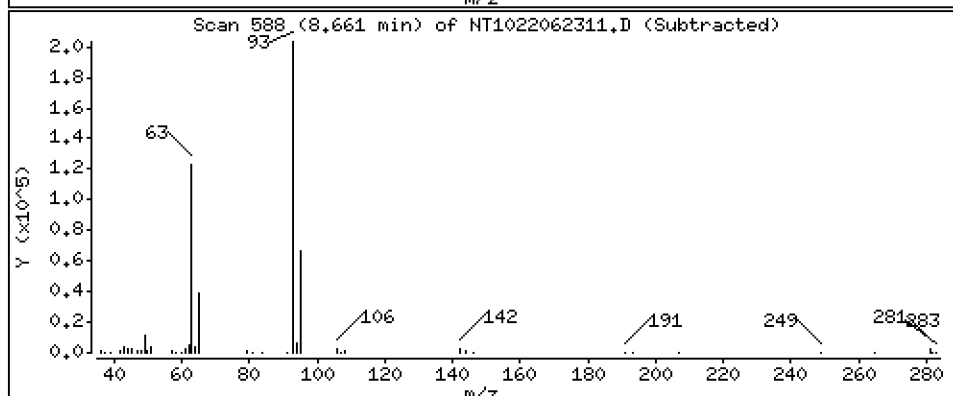
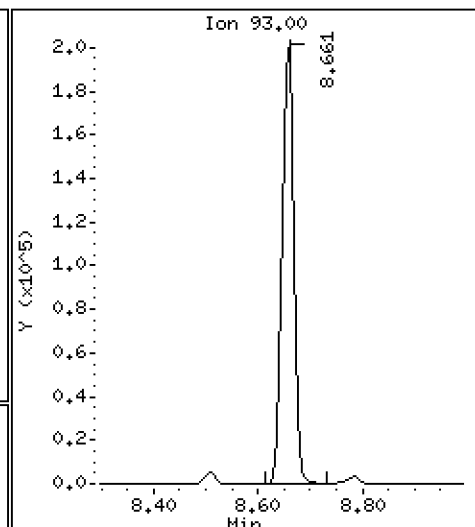
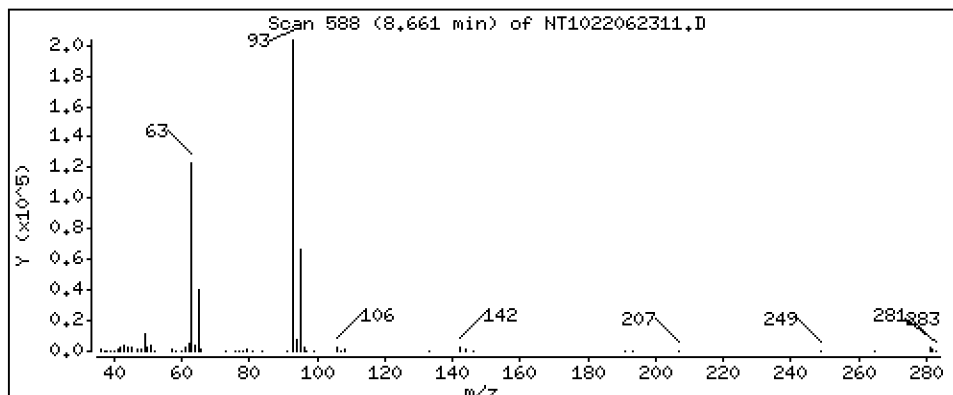
Operator: VTS

Column phase: ZB-5msi

Column diameter: 0,25

4 Bis(2-Chloroethyl)ether

Concentration: 5,792 ug/mL



Date : 23-JUN-2022 15:20

Client ID:

Instrument: nt10.i

Sample Info: SKF0270-SCV1

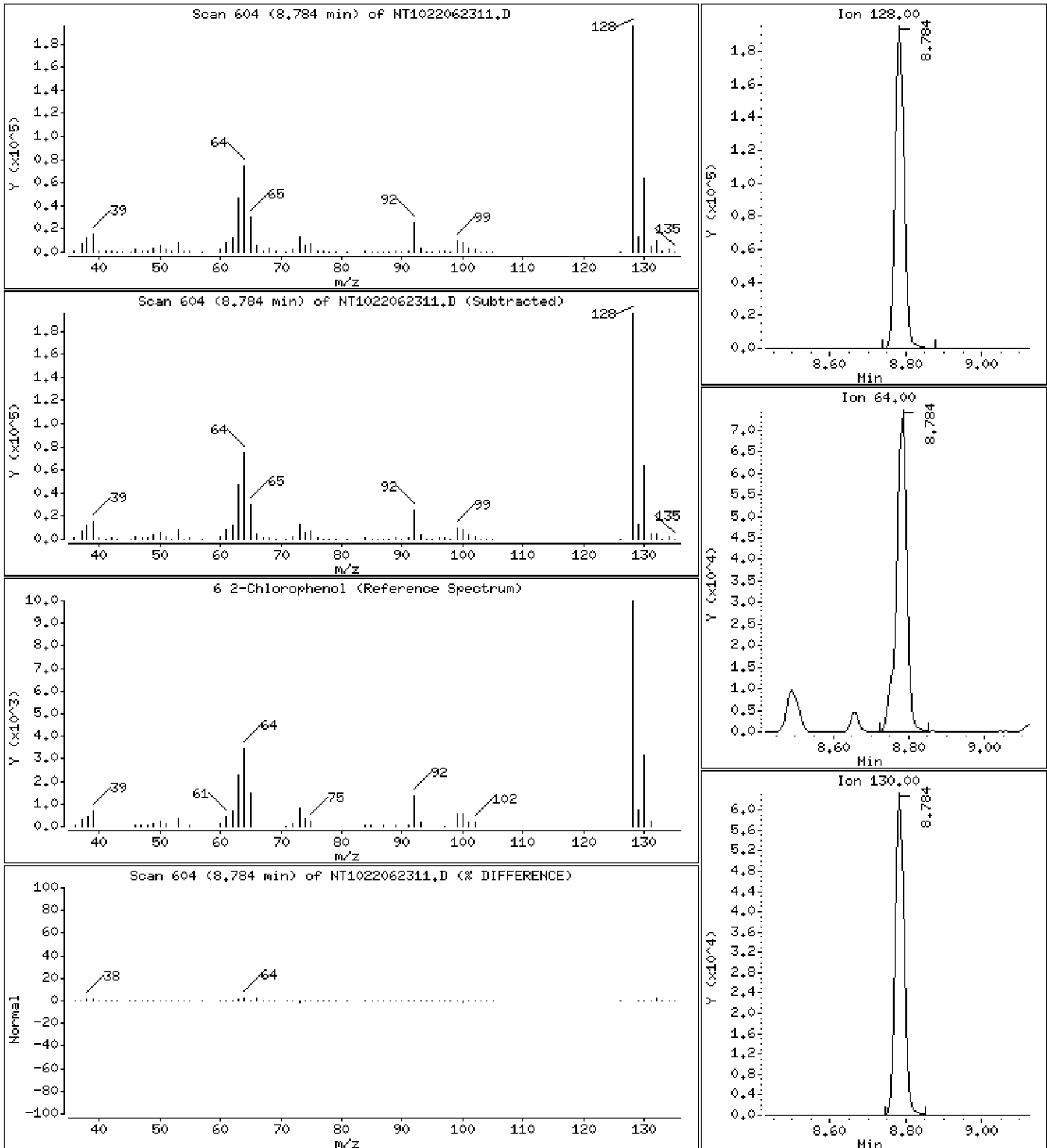
Operator: VTS

Column phase: ZB-5msi

Column diameter: 0,25

6 2-Chlorophenol

Concentration: 5,199 ug/mL



Date : 23-JUN-2022 15:20

Client ID:

Instrument: nt10.i

Sample Info: SKF0270-SCV1

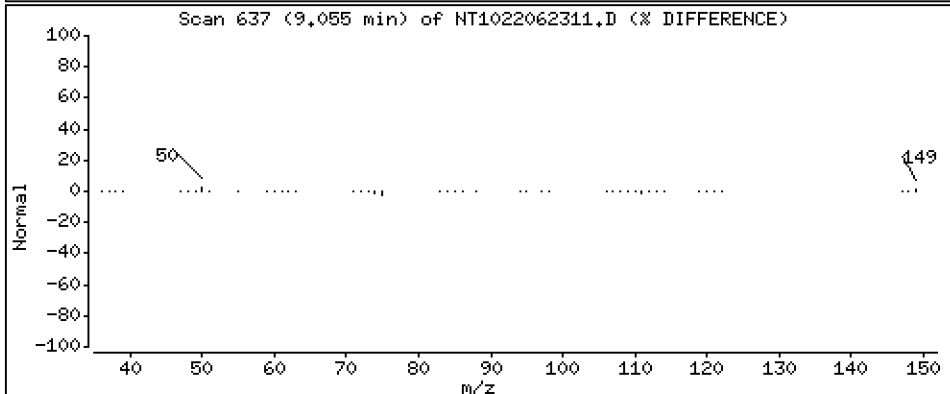
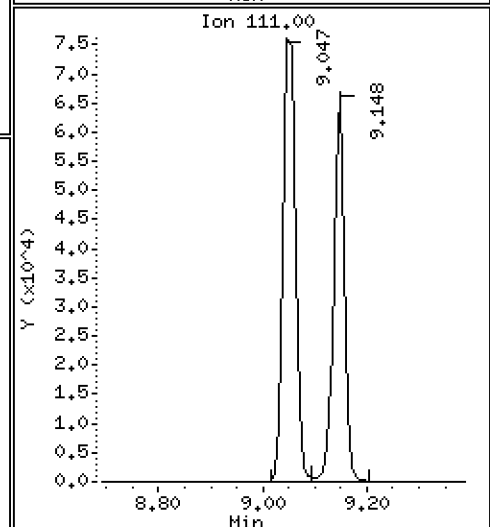
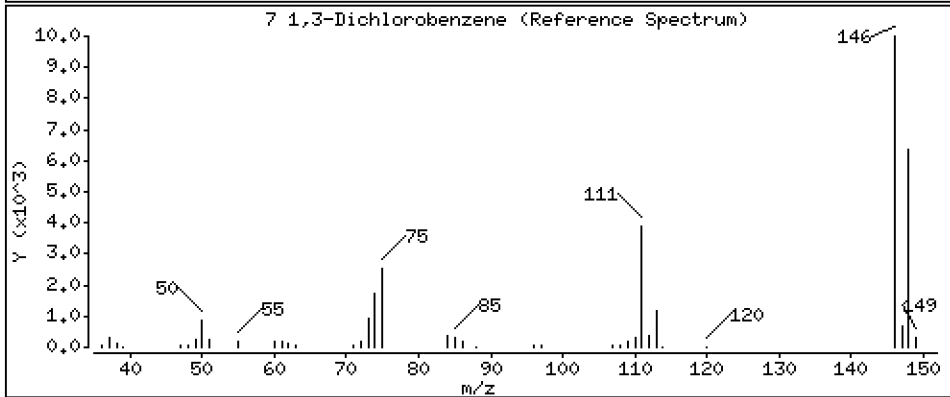
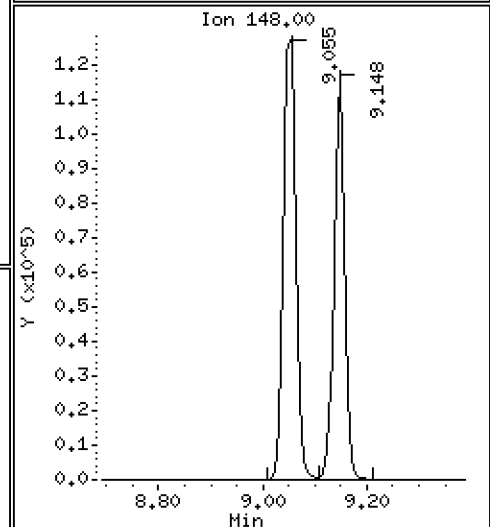
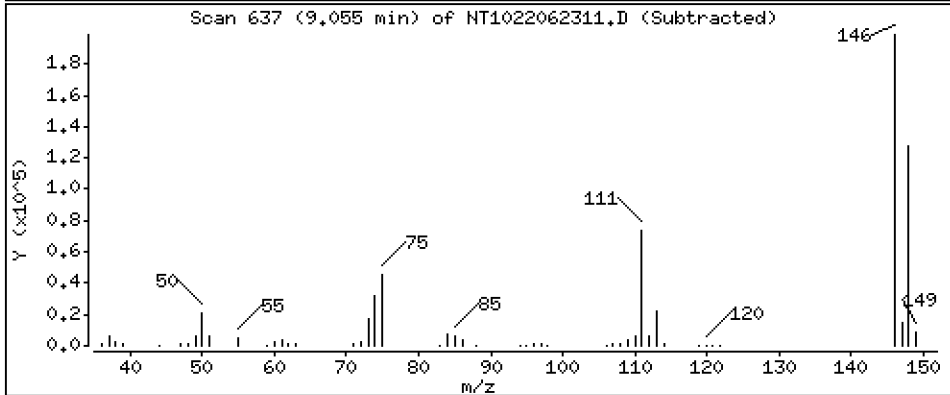
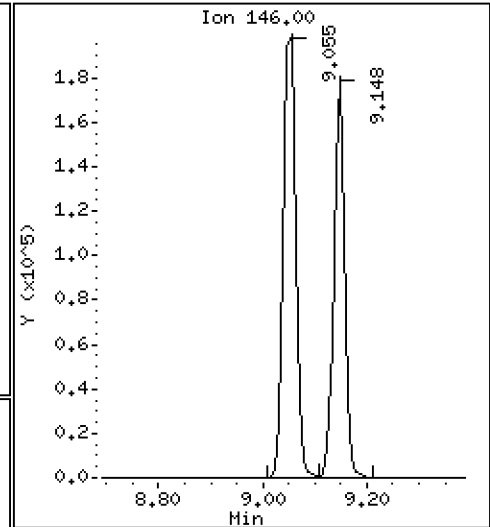
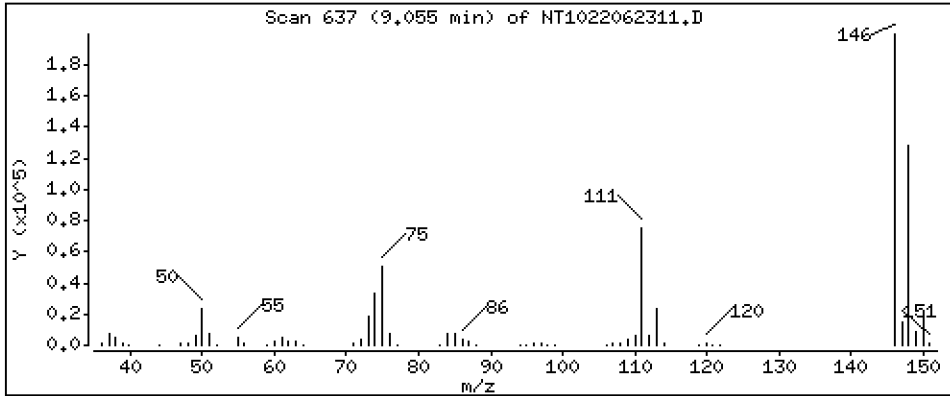
Operator: VTS

Column phase: ZB-5msi

Column diameter: 0,25

7 1,3-Dichlorobenzene

Concentration: 5,014 ug/mL



Date : 23-JUN-2022 15:20

Client ID:

Instrument: nt10.i

Sample Info: SKF0270-SCV1

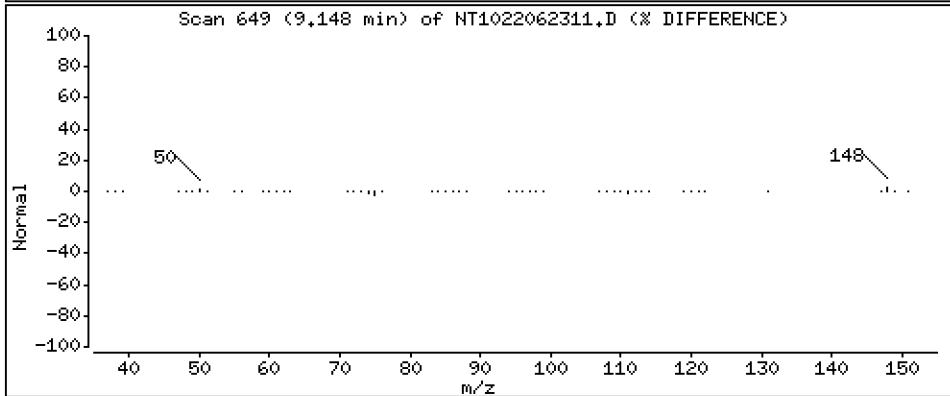
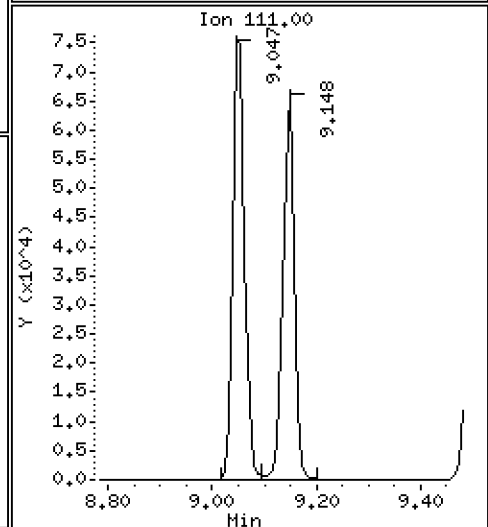
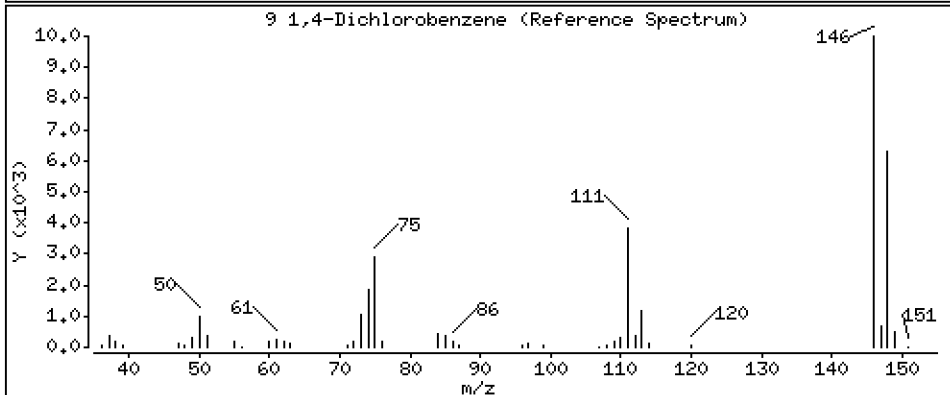
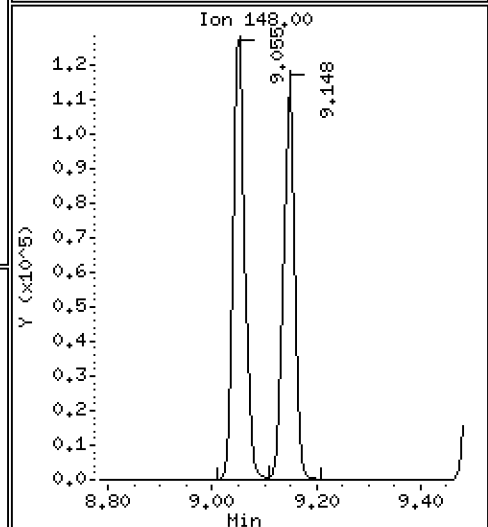
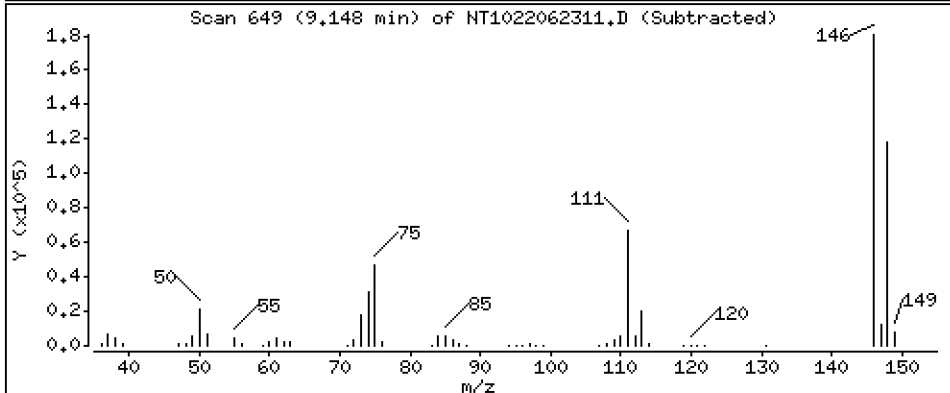
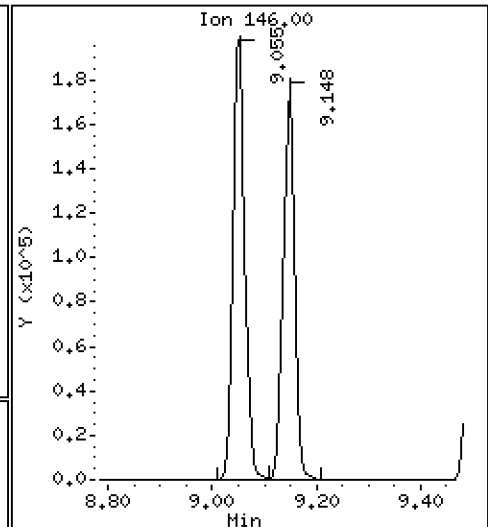
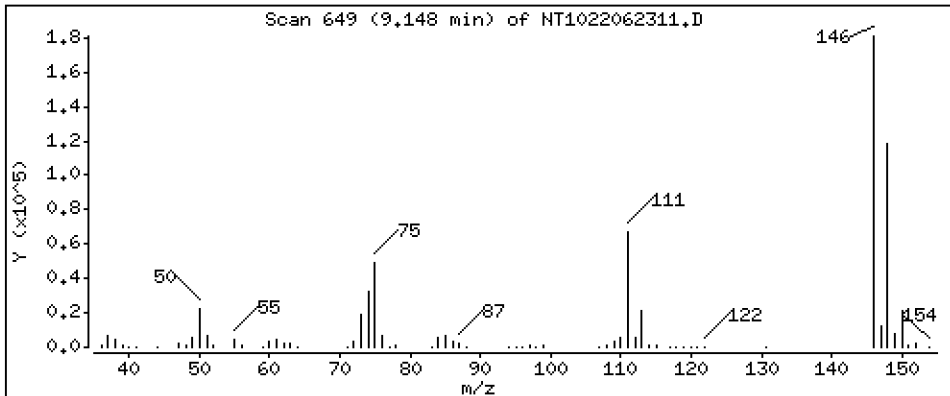
Operator: VTS

Column phase: ZB-5msi

Column diameter: 0,25

9 1,4-Dichlorobenzene

Concentration: 5,297 ug/mL



Date : 23-JUN-2022 15:20

Client ID:

Instrument: nt10.i

Sample Info: SKF0270-SCV1

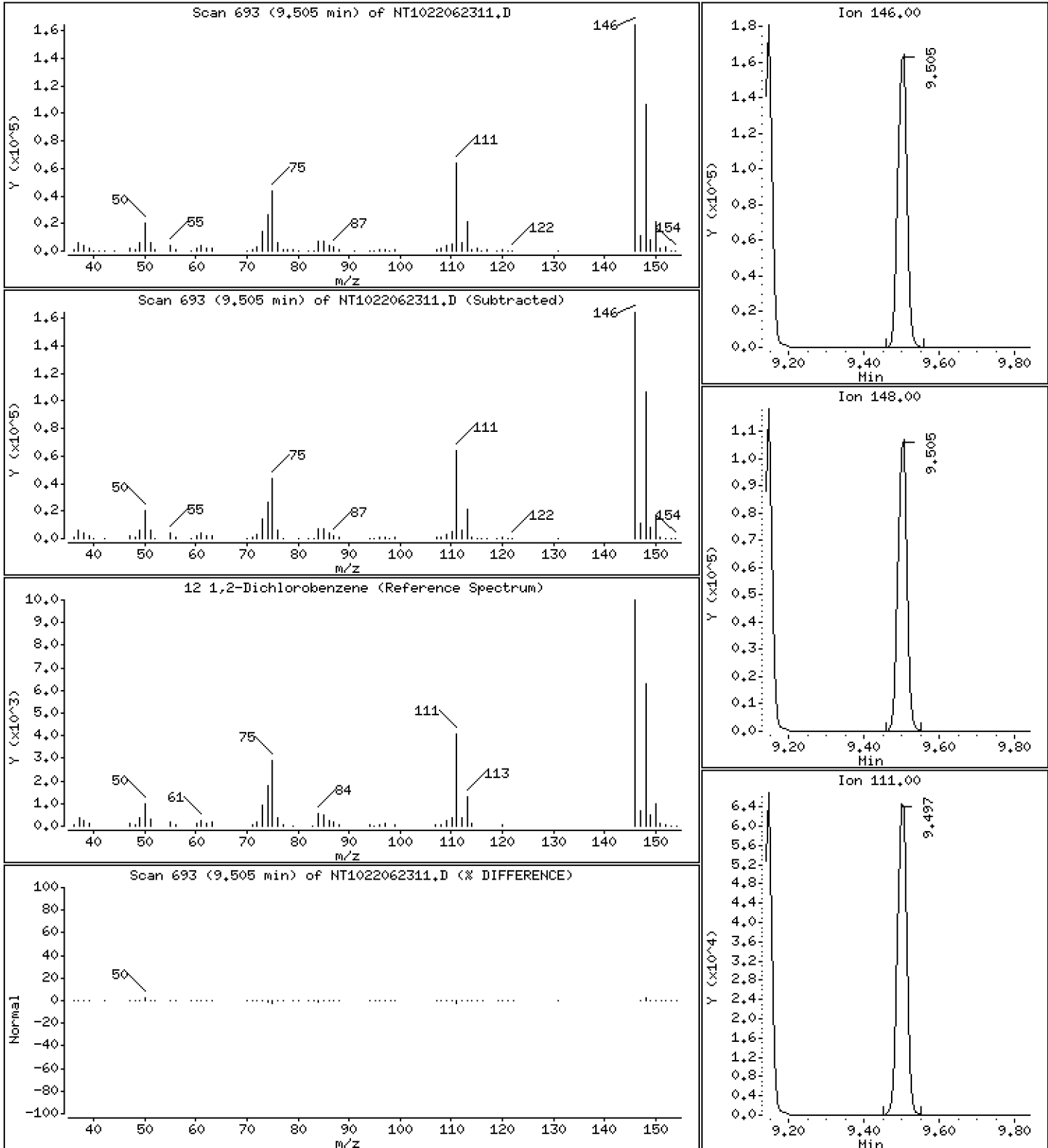
Operator: VTS

Column phase: ZB-5msi

Column diameter: 0,25

12 1,2-Dichlorobenzene

Concentration: 5,087 ug/mL



Date : 23-JUN-2022 15:20

Client ID:

Instrument: nt10.i

Sample Info: SKF0270-SCV1

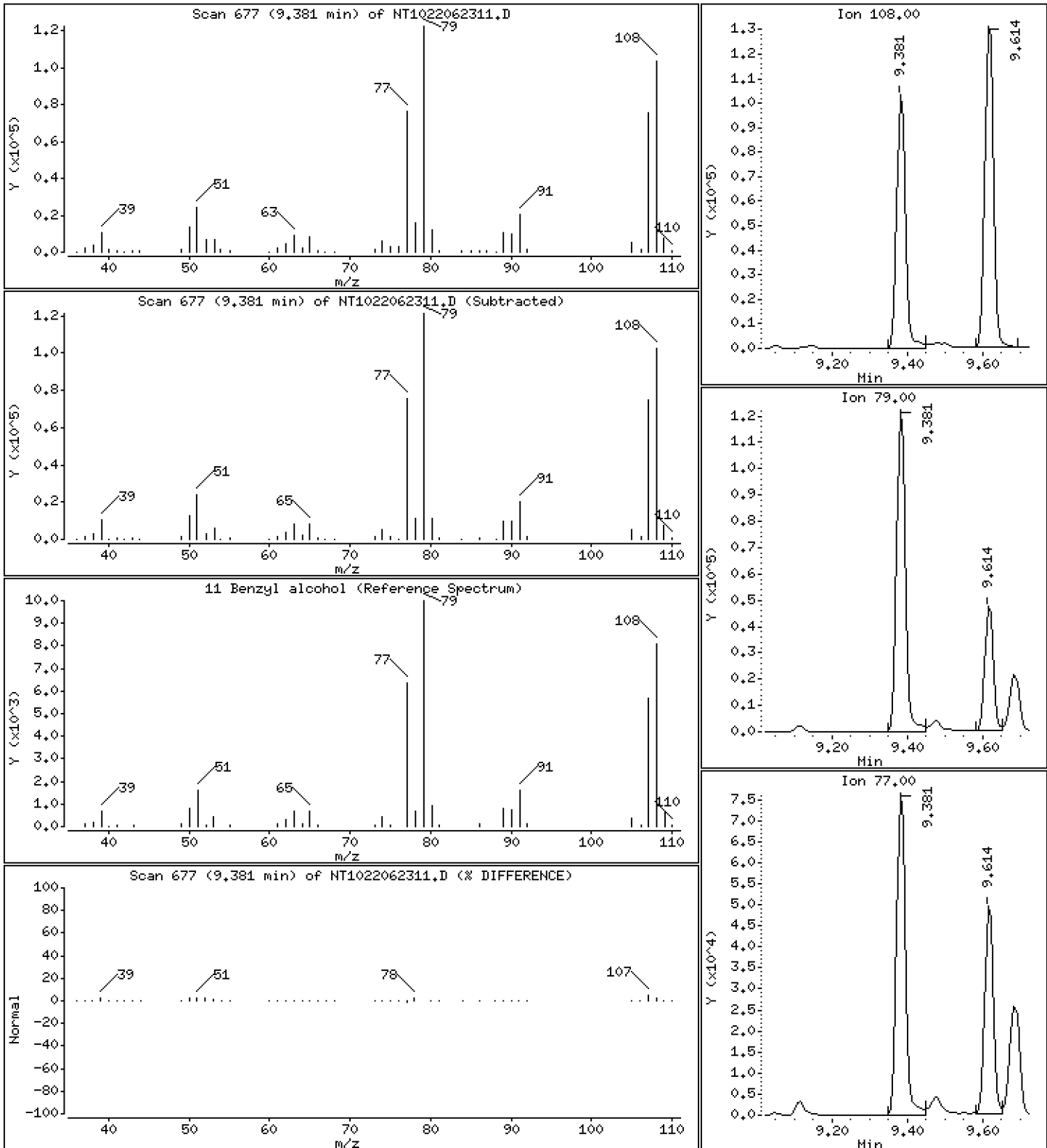
Operator: VTS

Column phase: ZB-5msi

Column diameter: 0.25

11 Benzyl alcohol

Concentration: 5.481 ug/mL



Date : 23-JUN-2022 15:20

Client ID:

Instrument: nt10.i

Sample Info: SKF0270-SCV1

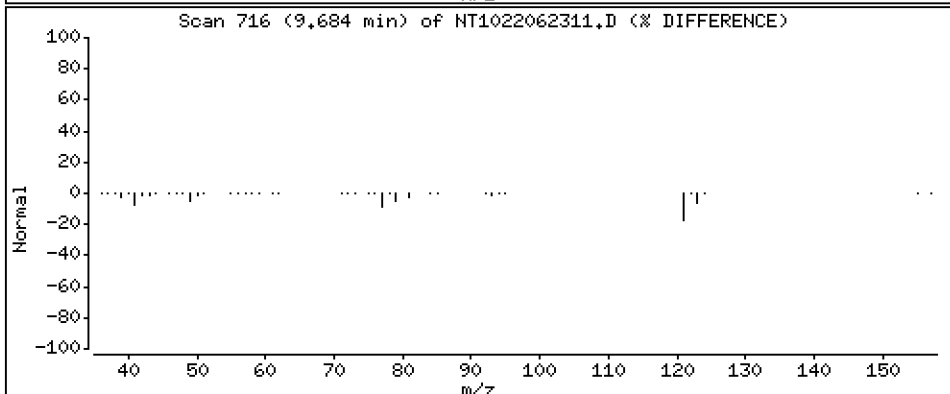
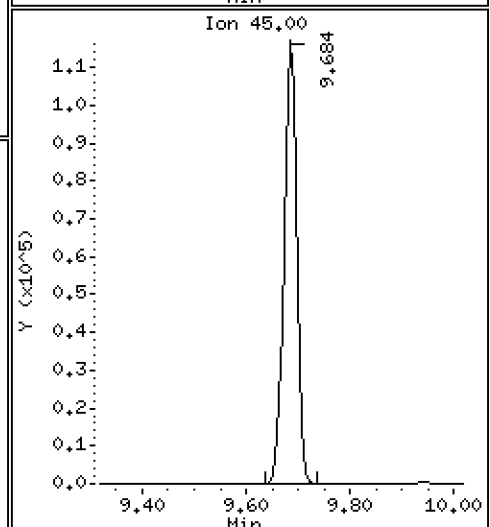
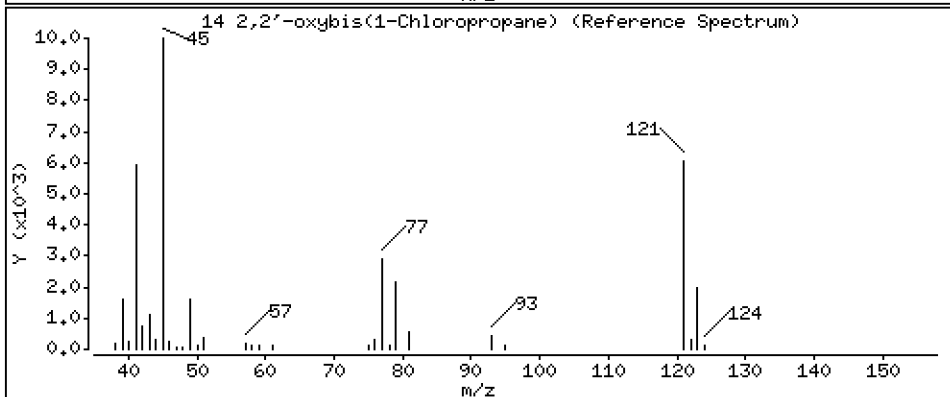
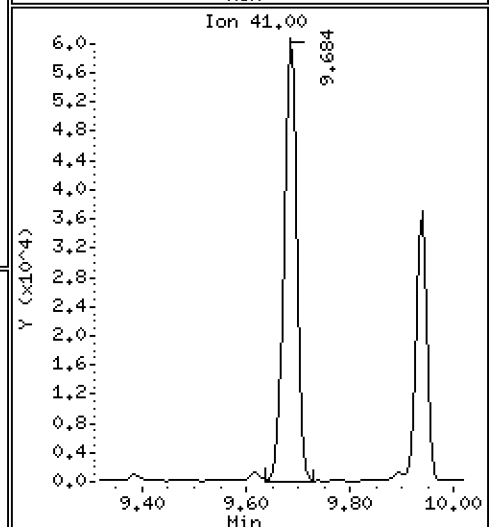
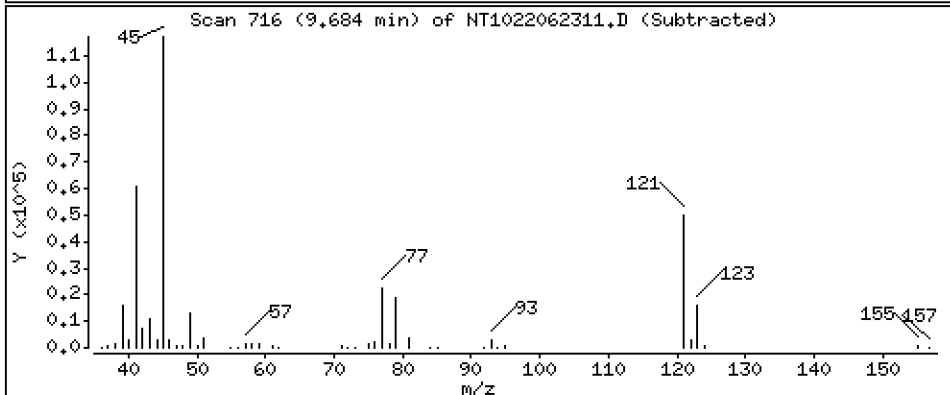
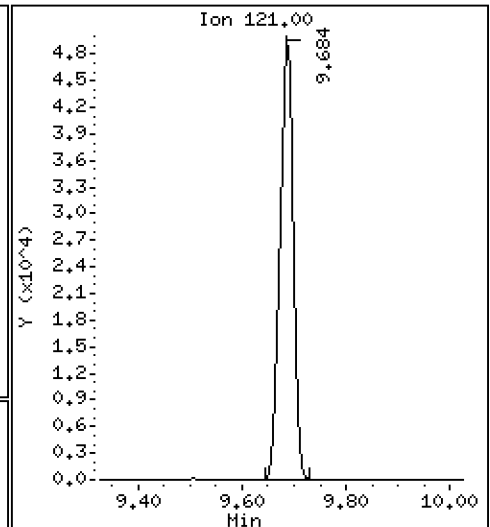
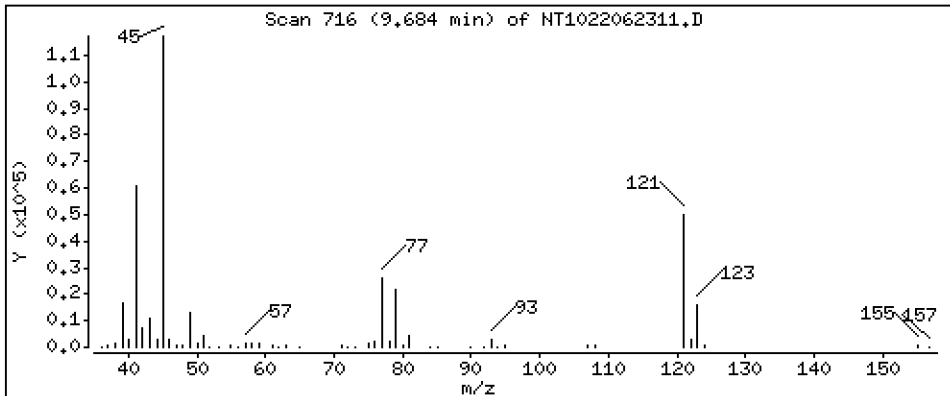
Operator: VTS

Column phase: ZB-5msi

Column diameter: 0,25

14 2,2'-oxybis(1-Chloropropane)

Concentration: 7,063 ug/mL



Date : 23-JUN-2022 15:20

Client ID:

Instrument: nt10.i

Sample Info: SKF0270-SCV1

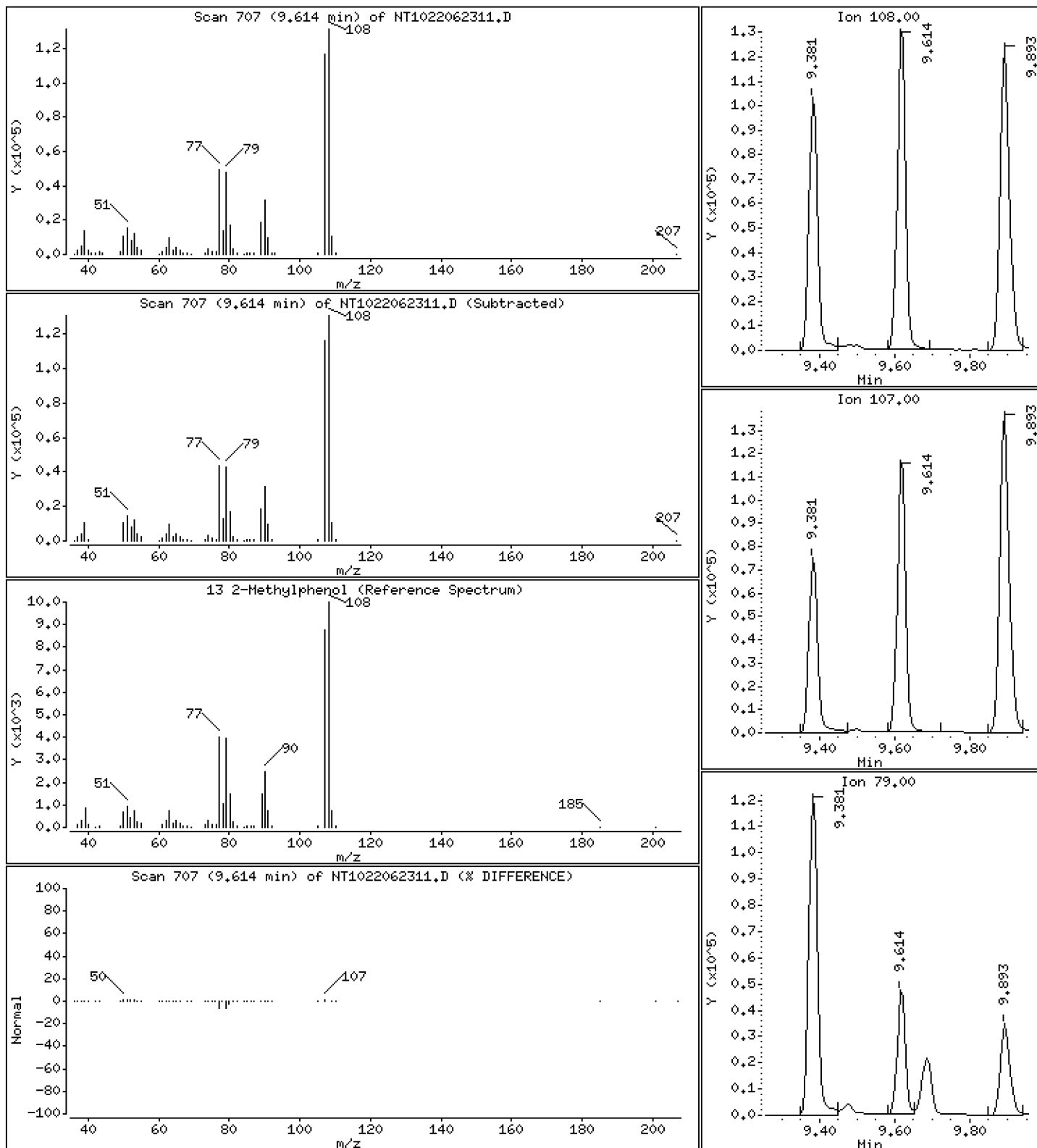
Operator: VTS

Column phase: ZB-5msi

Column diameter: 0.25

13 2-Methylphenol

Concentration: 4.442 ug/mL



Date : 23-JUN-2022 15:20

Client ID:

Instrument: nt10.i

Sample Info: SKF0270-SCV1

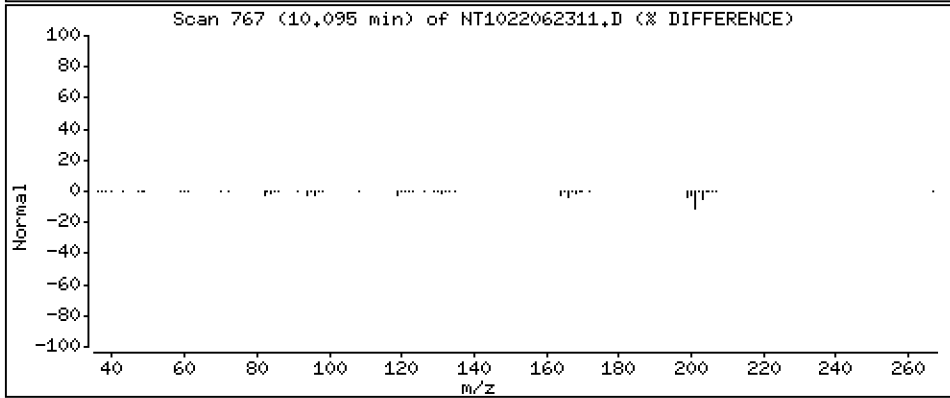
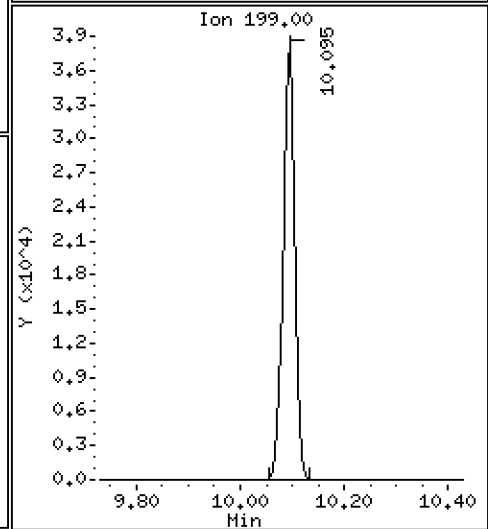
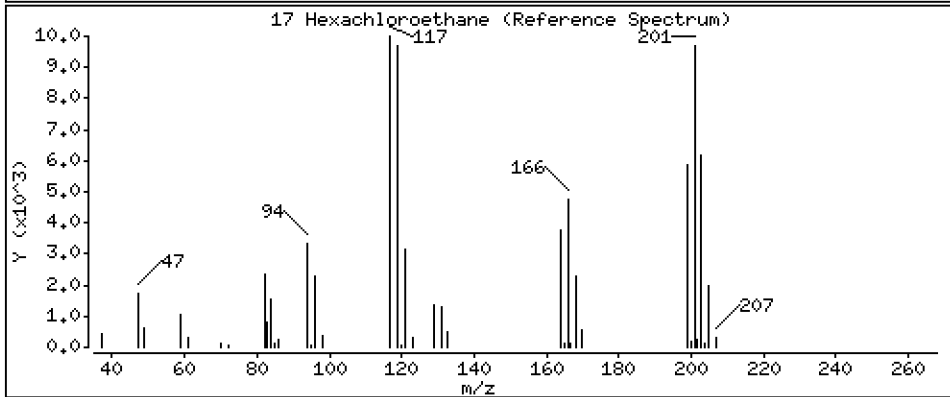
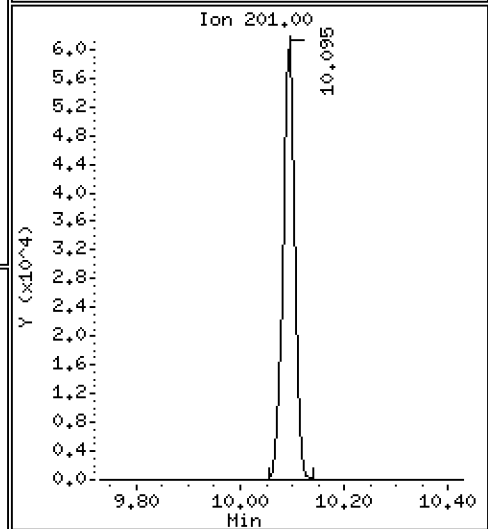
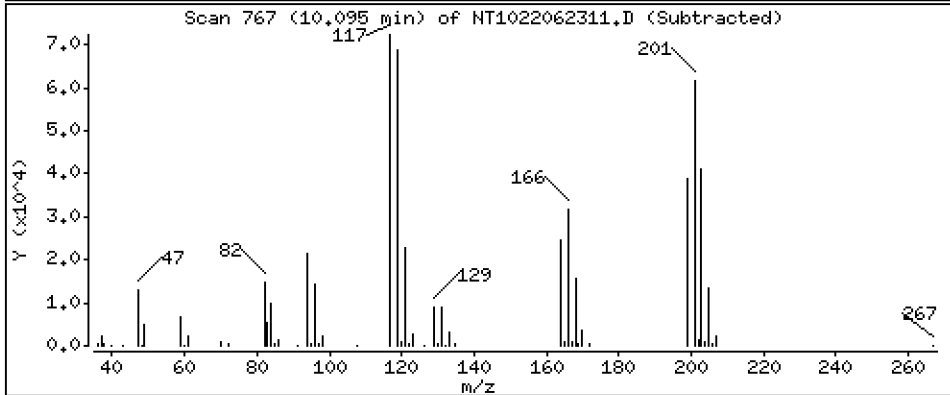
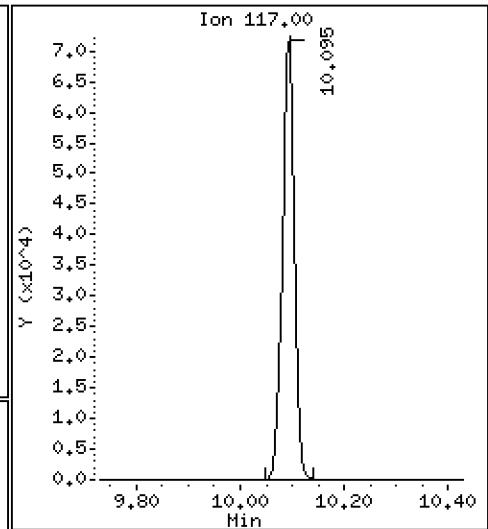
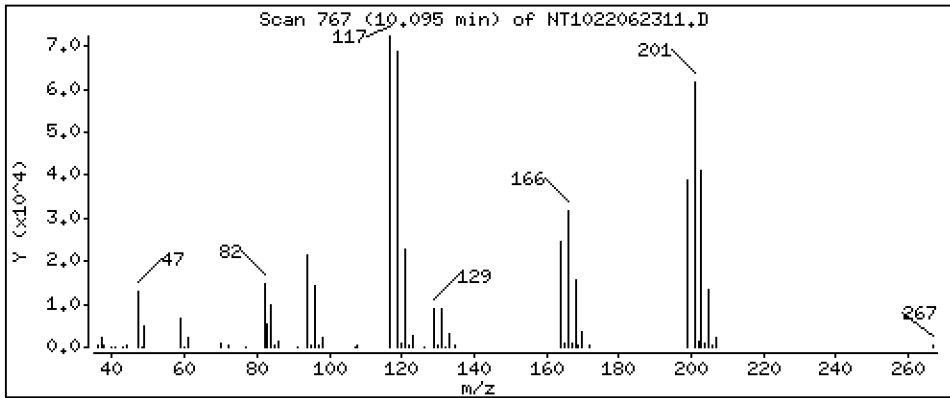
Operator: VTS

Column phase: ZB-5msi

Column diameter: 0,25

17 Hexachloroethane

Concentration: 5,296 ug/mL



Date : 23-JUN-2022 15:20

Client ID:

Instrument: nt10.i

Sample Info: SKF0270-SCV1

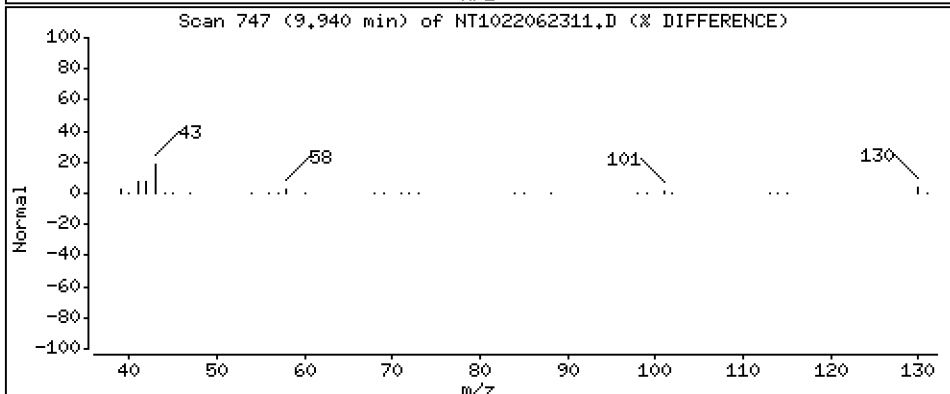
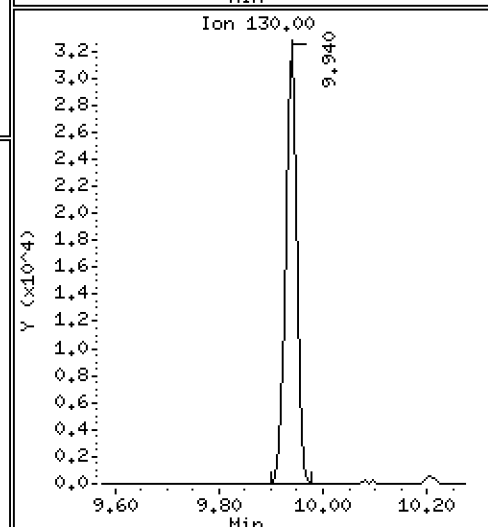
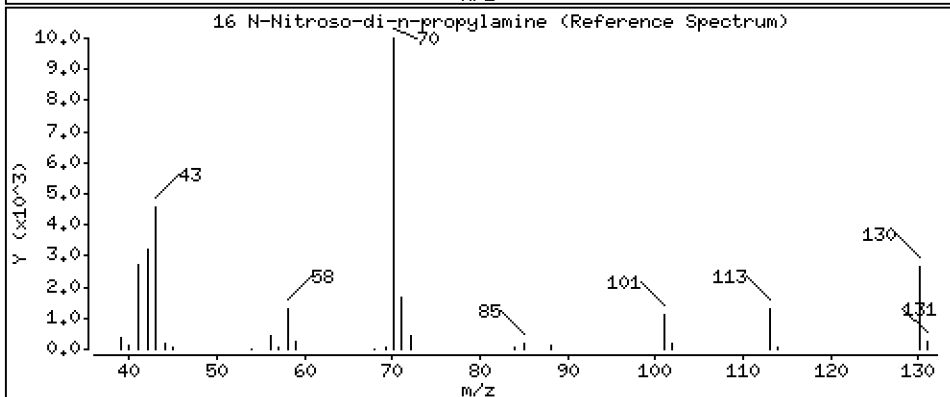
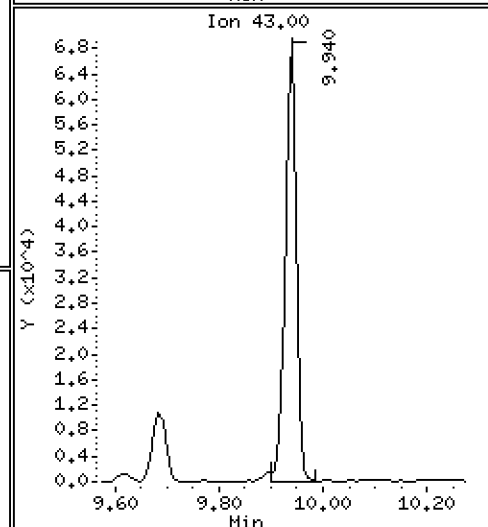
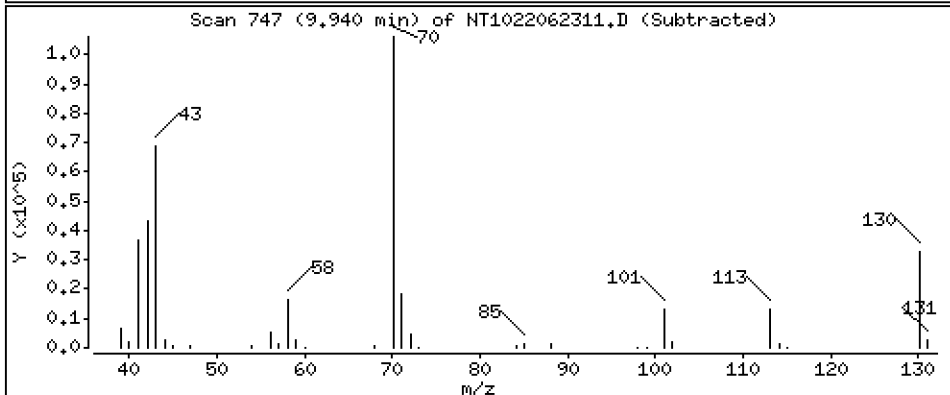
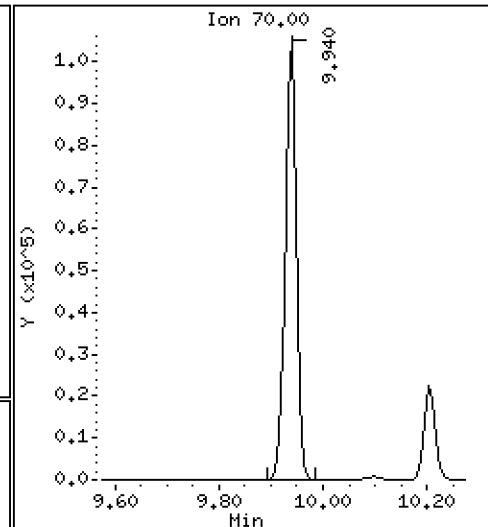
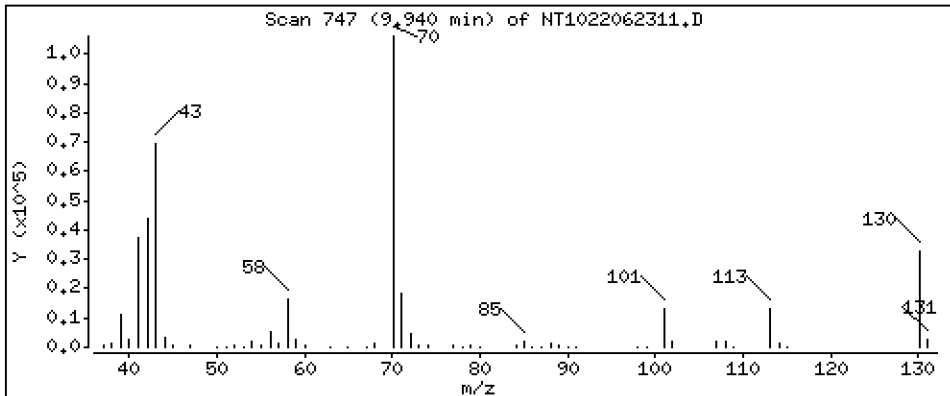
Operator: VTS

Column phase: ZB-5msi

Column diameter: 0,25

16 N-Nitroso-di-n-propylamine

Concentration: 5,116 ug/mL



Date : 23-JUN-2022 15:20

Client ID:

Instrument: nt10.i

Sample Info: SKF0270-SCV1

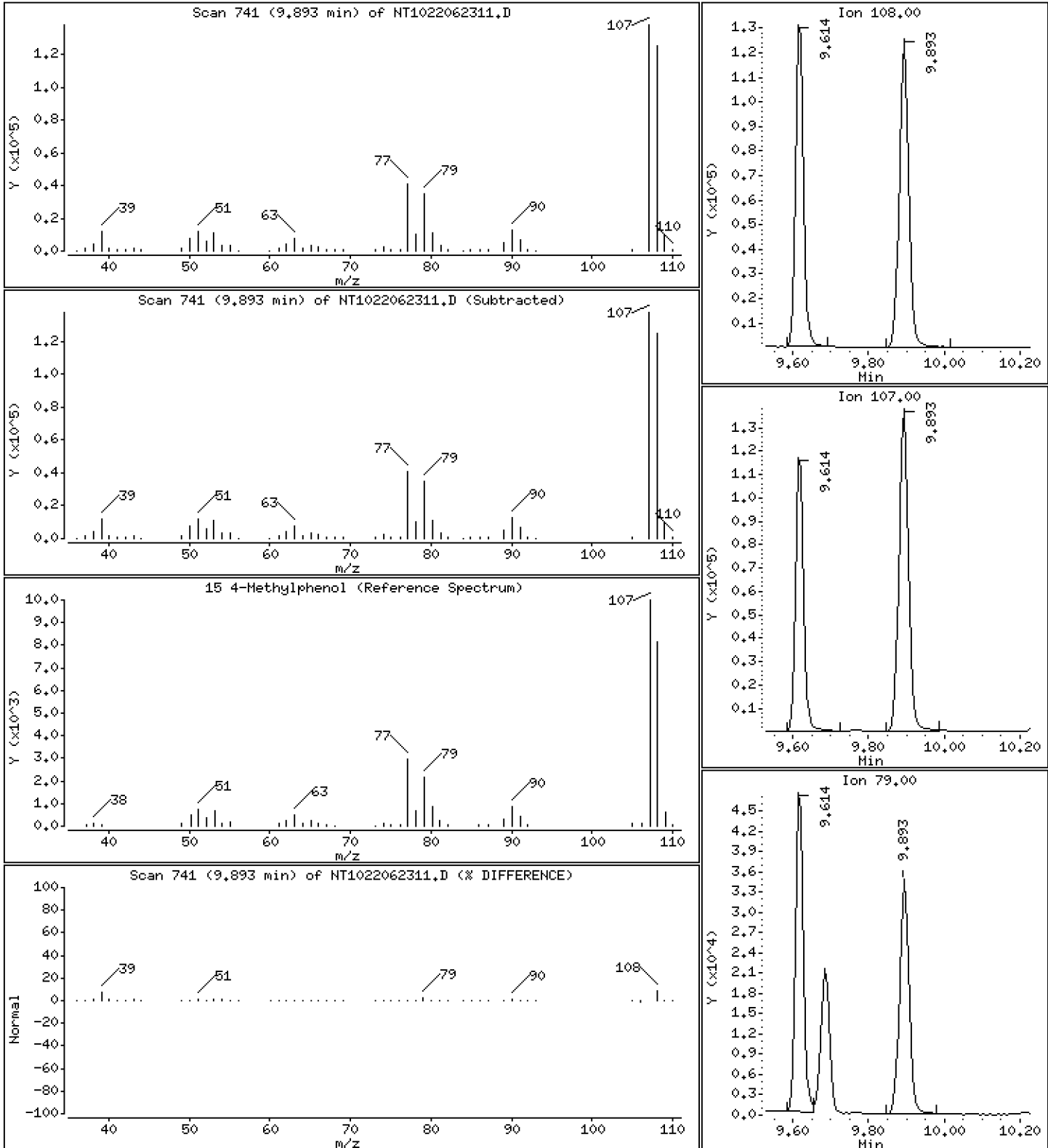
Operator: VTS

Column phase: ZB-5msi

Column diameter: 0,25

15 4-Methylphenol

Concentration: 4,592 ug/mL



Date : 23-JUN-2022 15:20

Client ID:

Instrument: nt10.i

Sample Info: SKF0270-SCV1

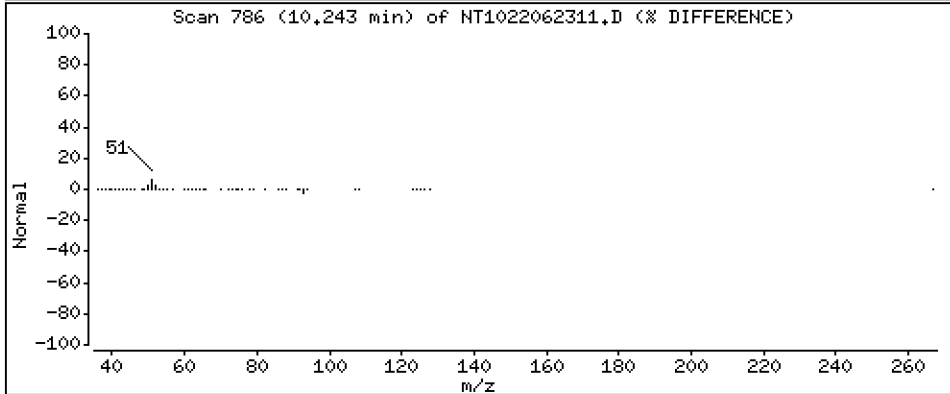
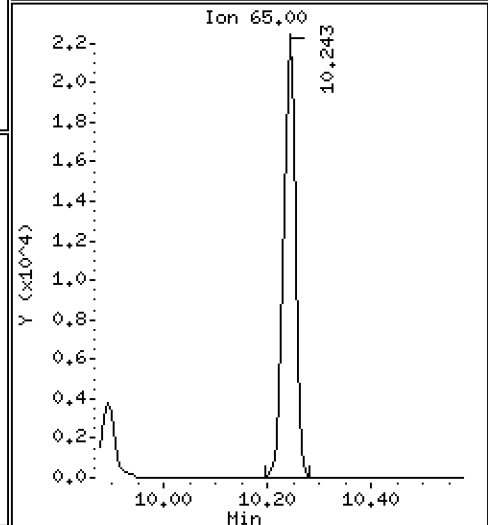
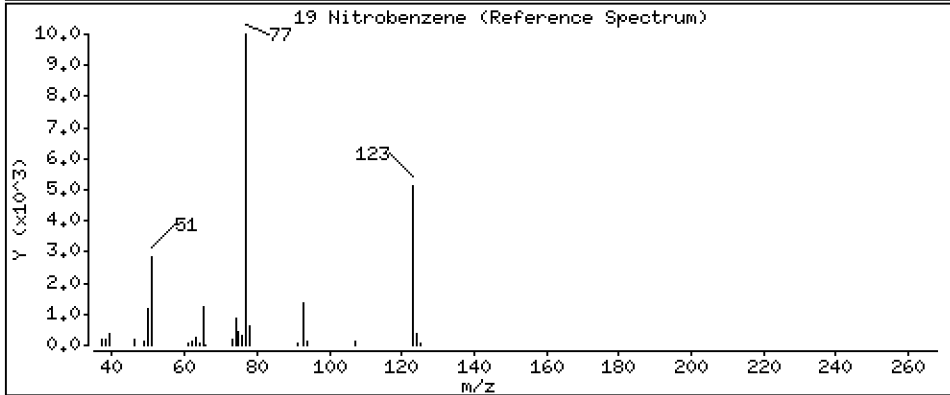
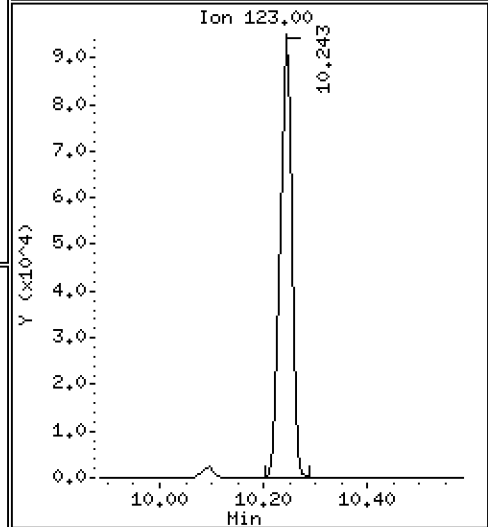
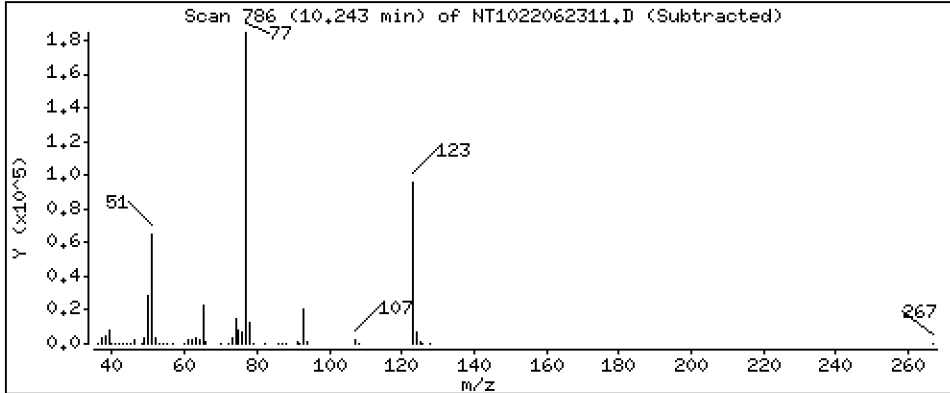
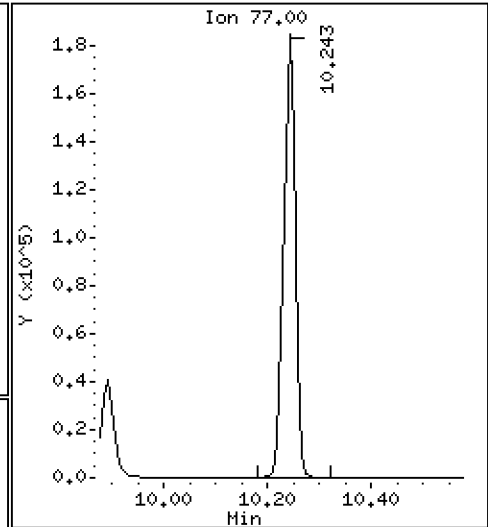
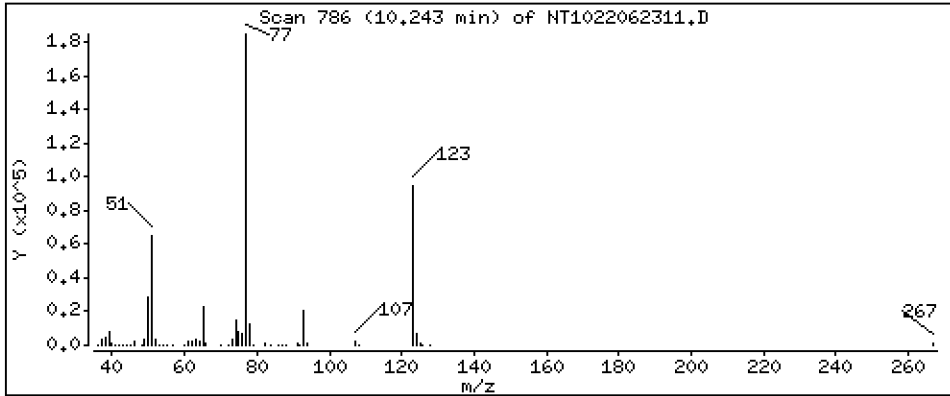
Operator: VTS

Column phase: ZB-5msi

Column diameter: 0,25

19 Nitrobenzene

Concentration: 5,138 ug/mL



Date : 23-JUN-2022 15:20

Client ID:

Instrument: nt10.i

Sample Info: SKF0270-SCV1

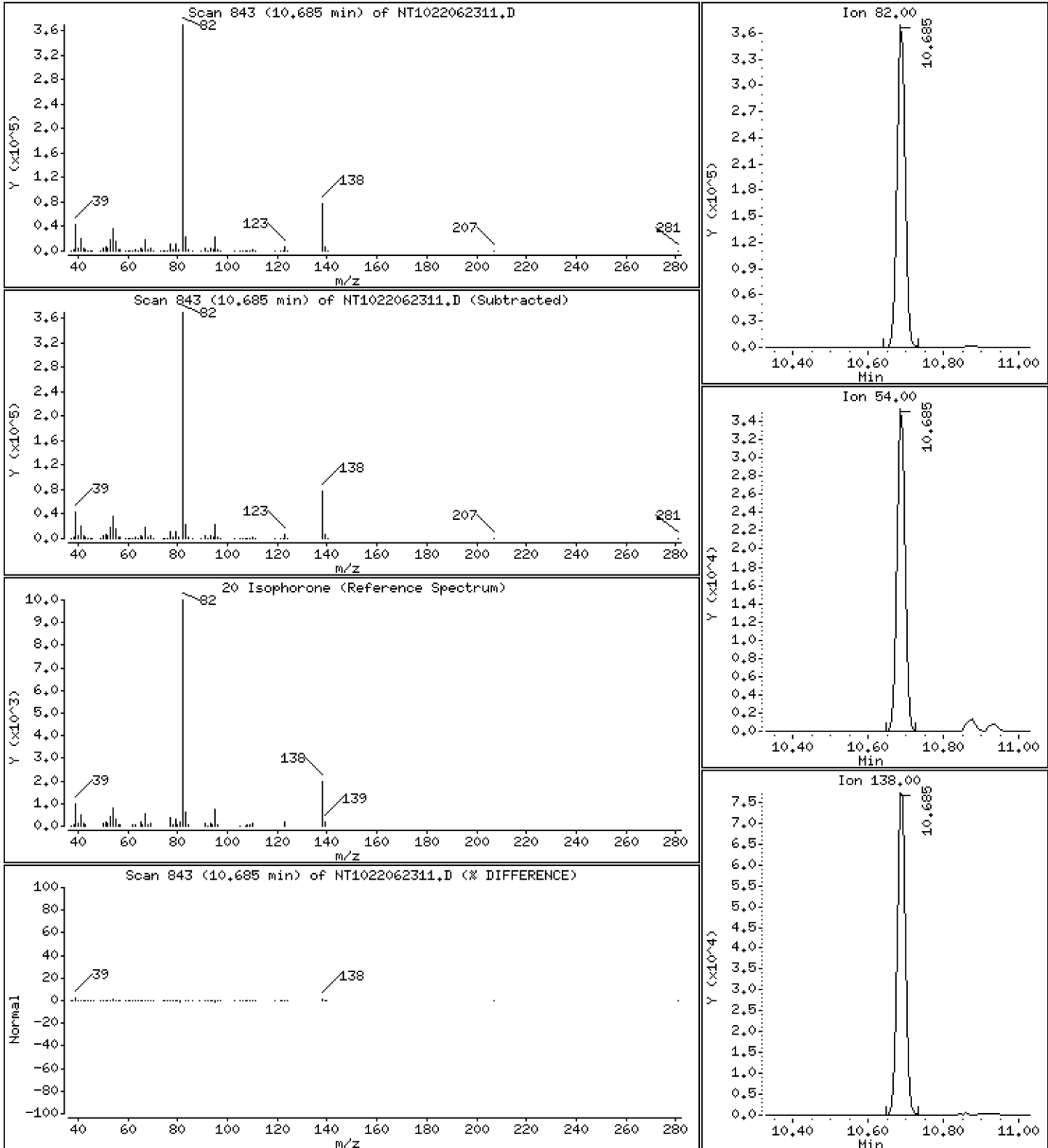
Operator: VTS

Column phase: ZB-5msi

Column diameter: 0,25

20 Isophorone

Concentration: 7,412 ug/mL



Date : 23-JUN-2022 15:20

Client ID:

Instrument: nt10.i

Sample Info: SKF0270-SCV1

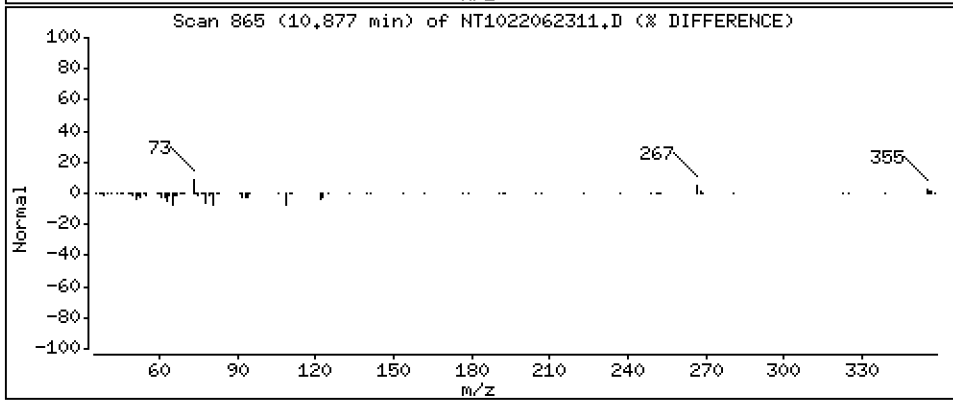
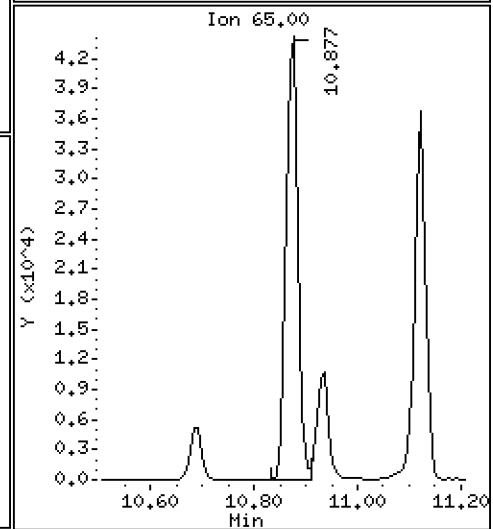
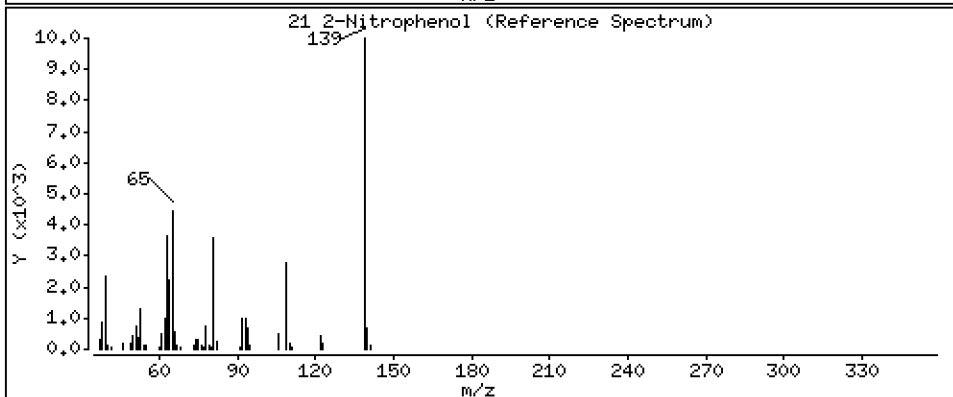
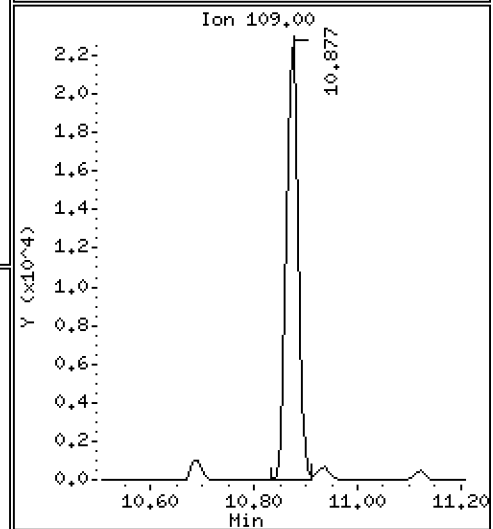
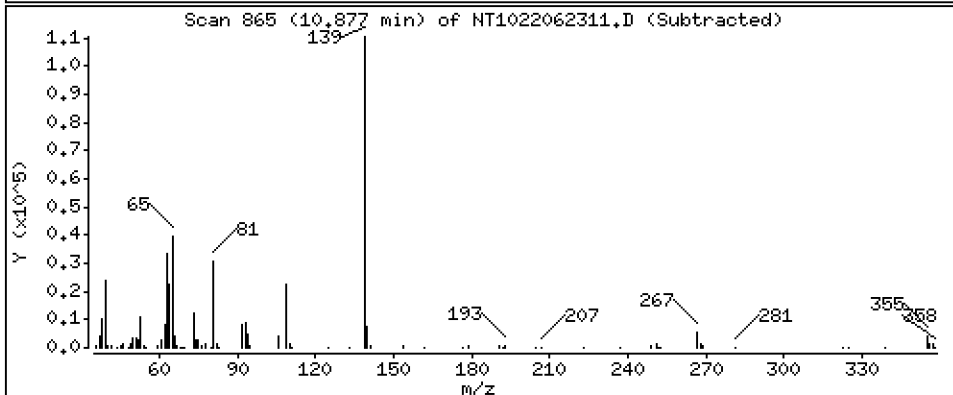
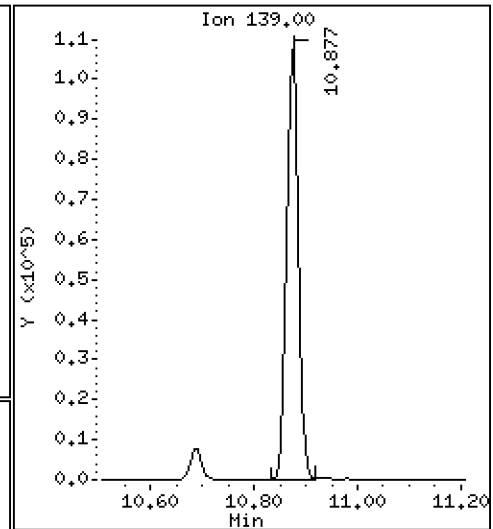
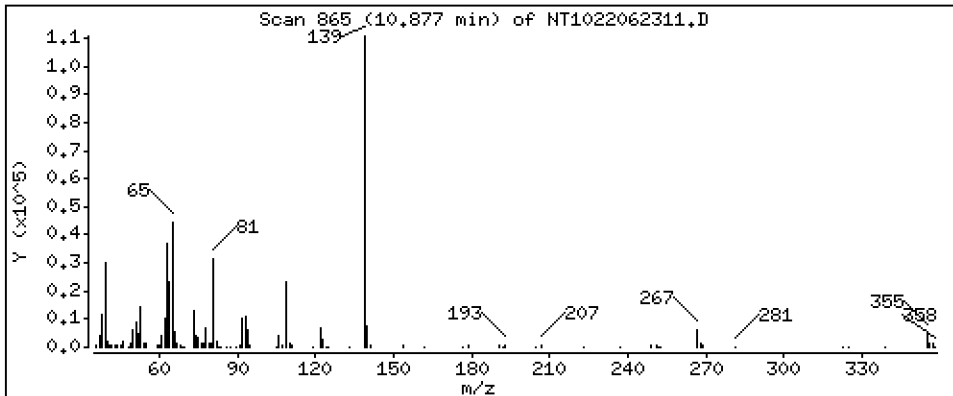
Operator: VTS

Column phase: ZB-5msi

Column diameter: 0,25

21 2-Nitrophenol

Concentration: 5,128 ug/mL



Date : 23-JUN-2022 15:20

Client ID:

Instrument: nt10.i

Sample Info: SKF0270-SCV1

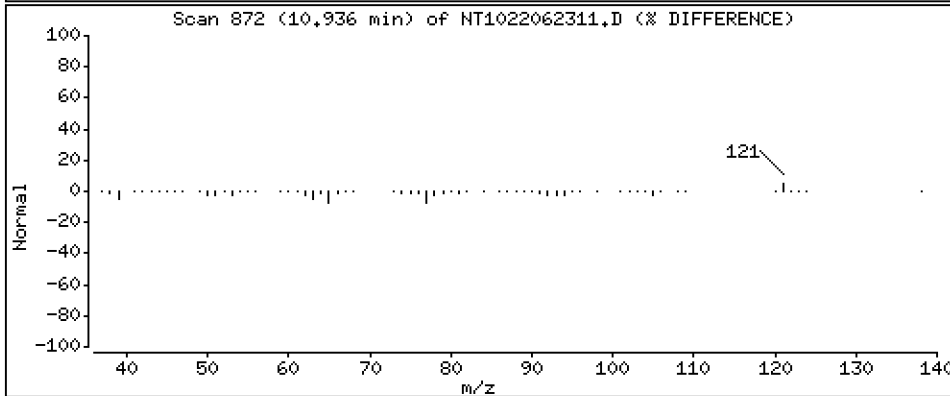
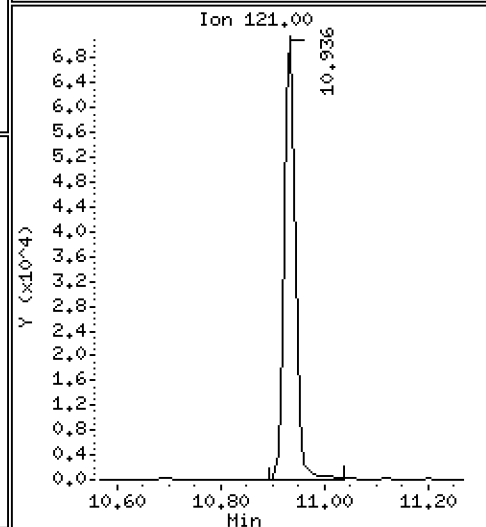
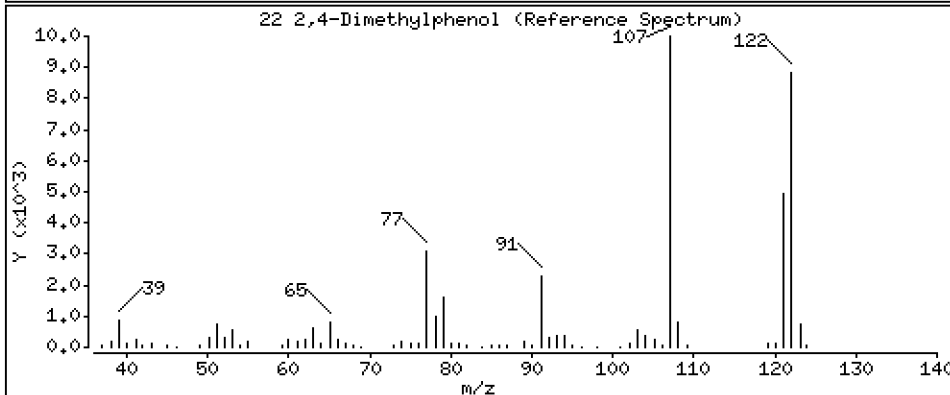
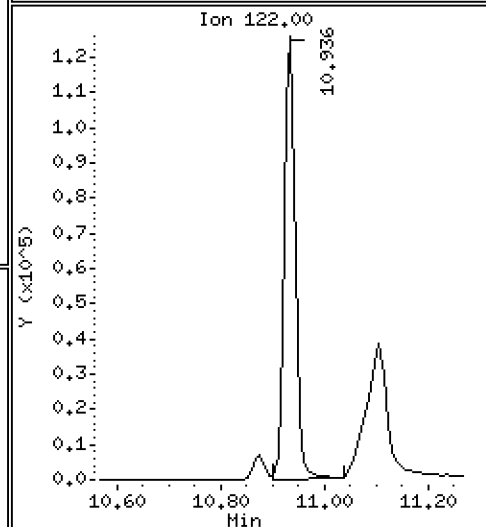
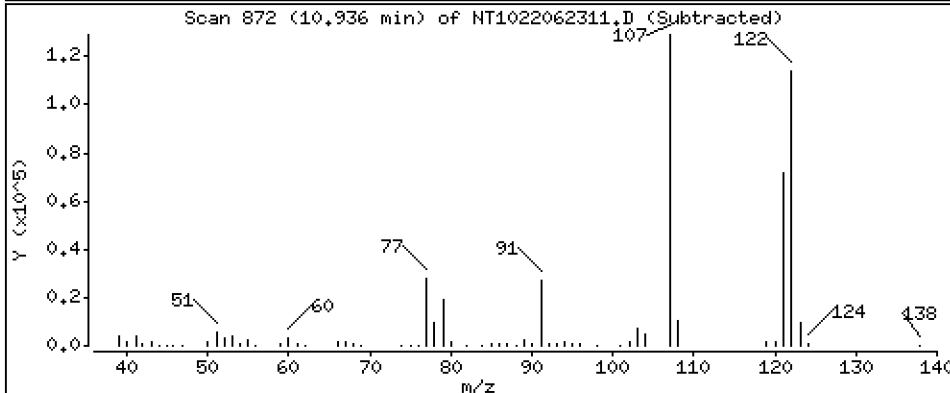
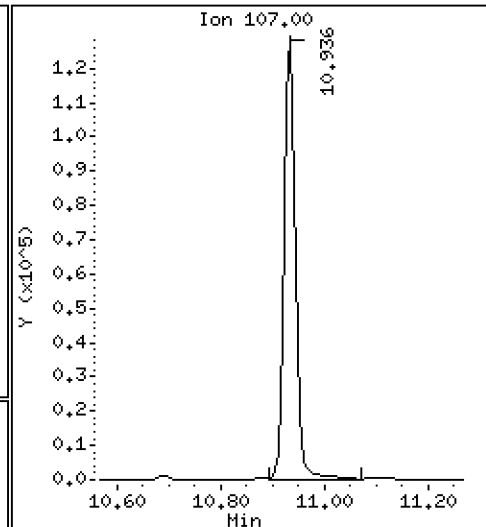
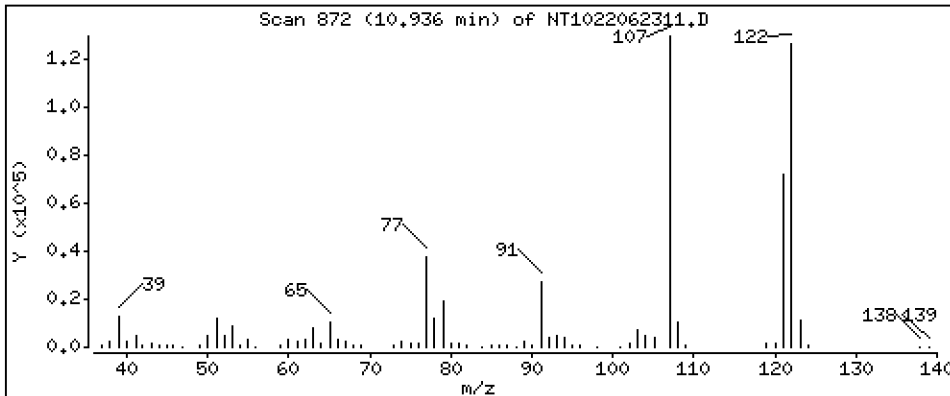
Operator: VTS

Column phase: ZB-5msi

Column diameter: 0,25

22 2,4-Dimethylphenol

Concentration: 4,736 ug/mL



Date : 23-JUN-2022 15:20

Client ID:

Instrument: nt10.i

Sample Info: SKF0270-SCV1

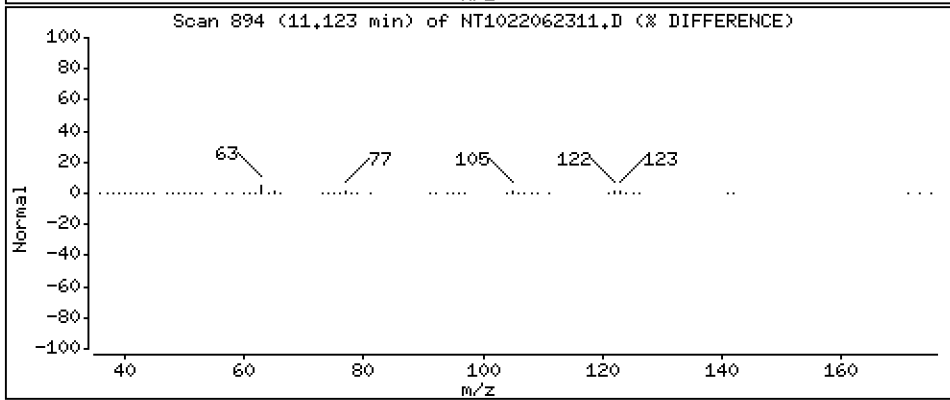
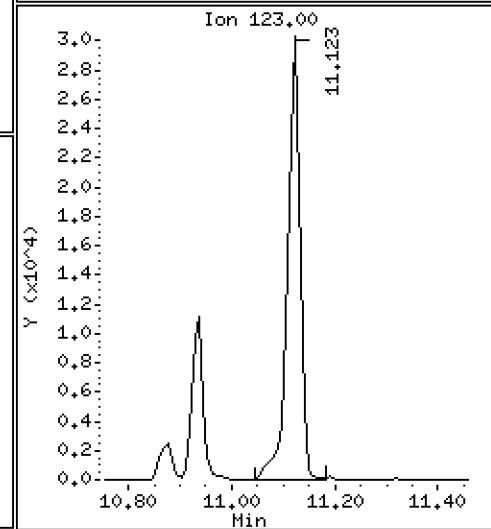
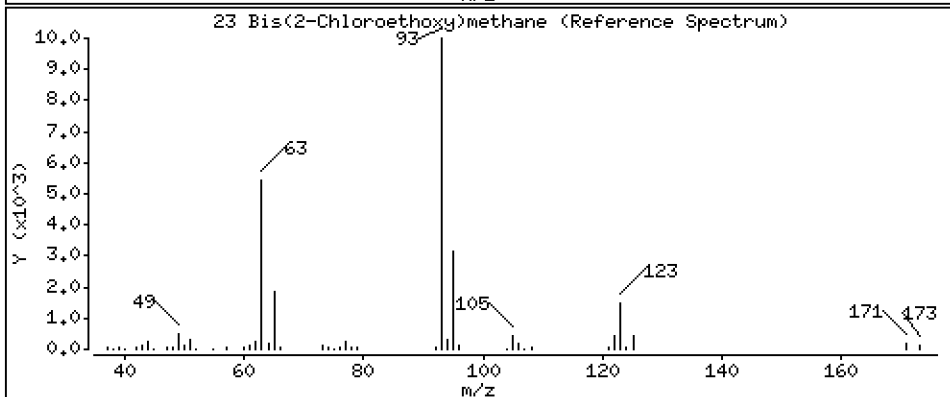
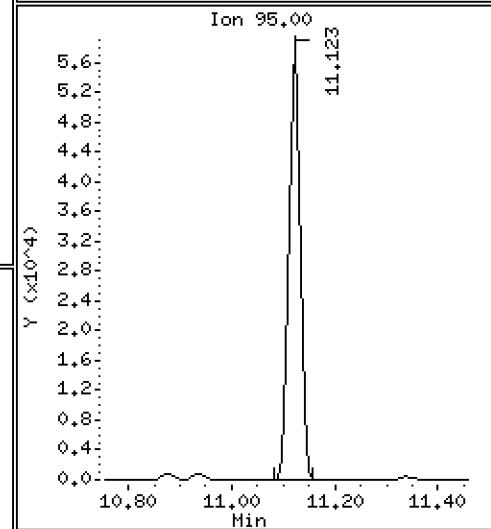
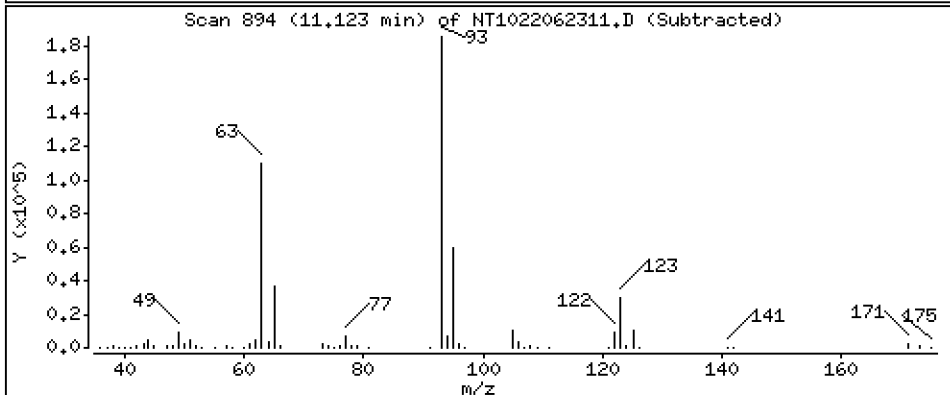
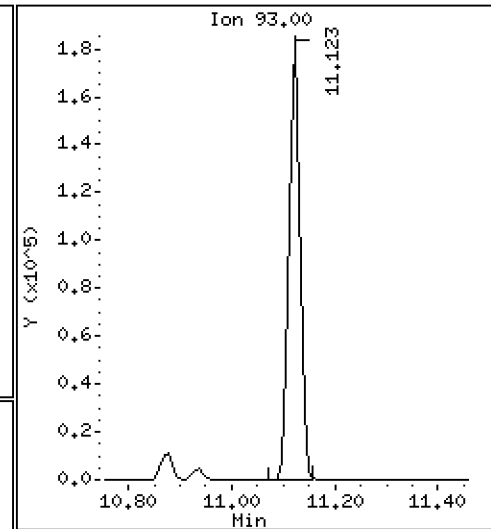
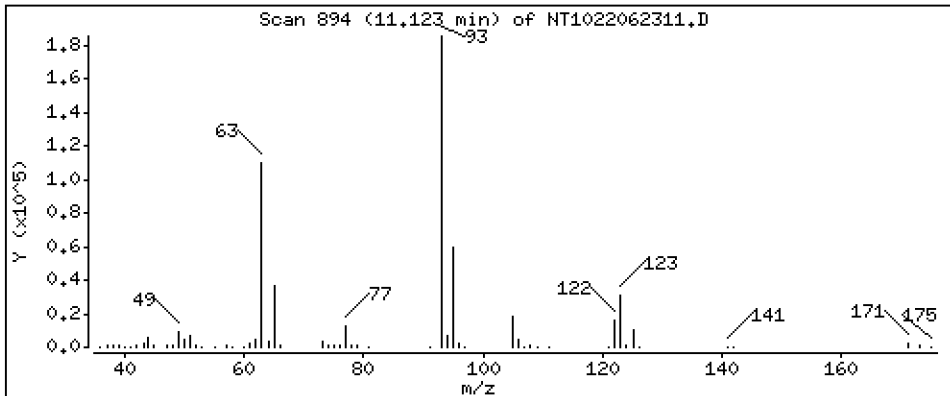
Operator: VTS

Column phase: ZB-5msi

Column diameter: 0,25

23 Bis(2-Chloroethoxy)methane

Concentration: 5,735 ug/mL



Date : 23-JUN-2022 15:20

Client ID:

Instrument: nt10.i

Sample Info: SKF0270-SCV1

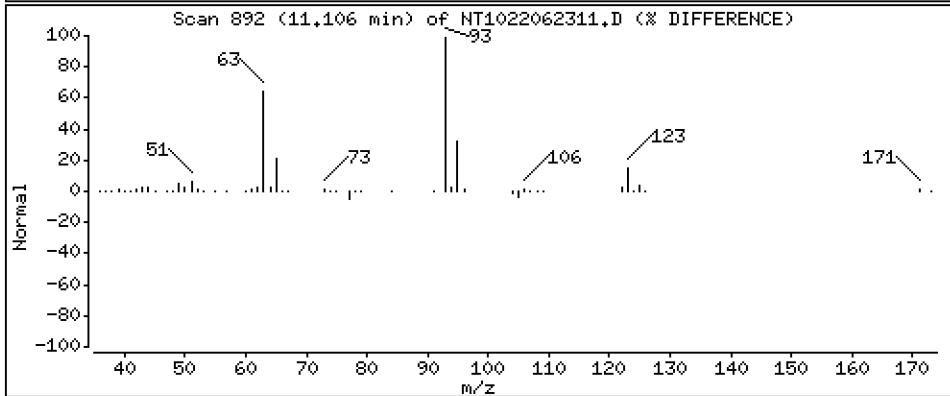
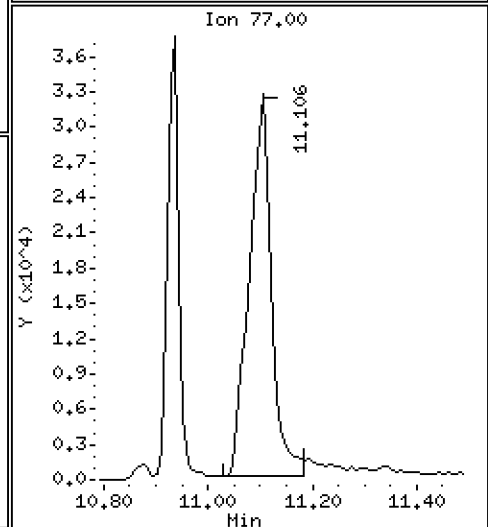
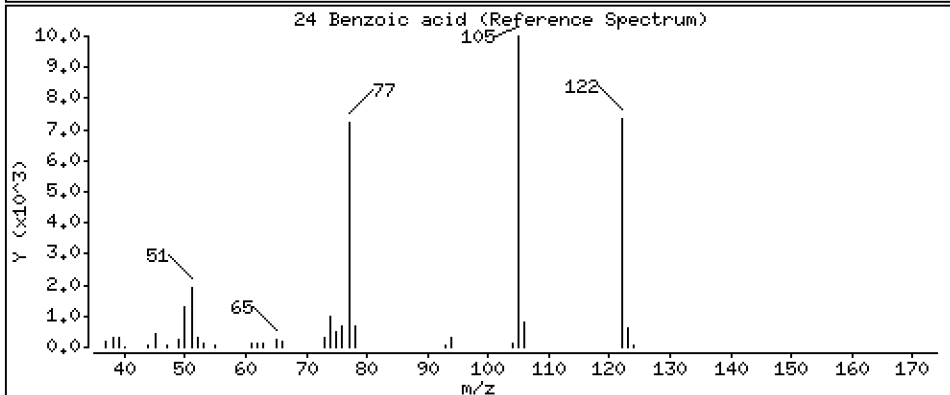
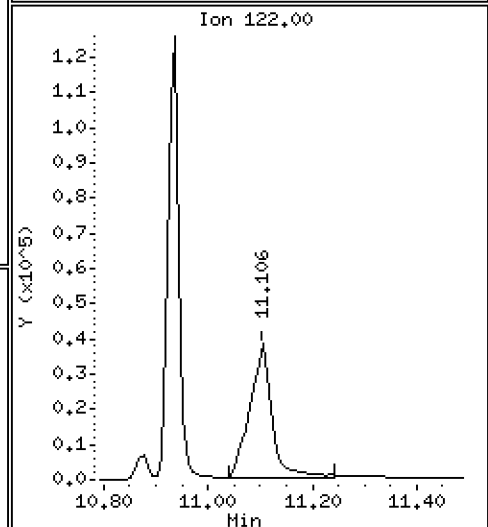
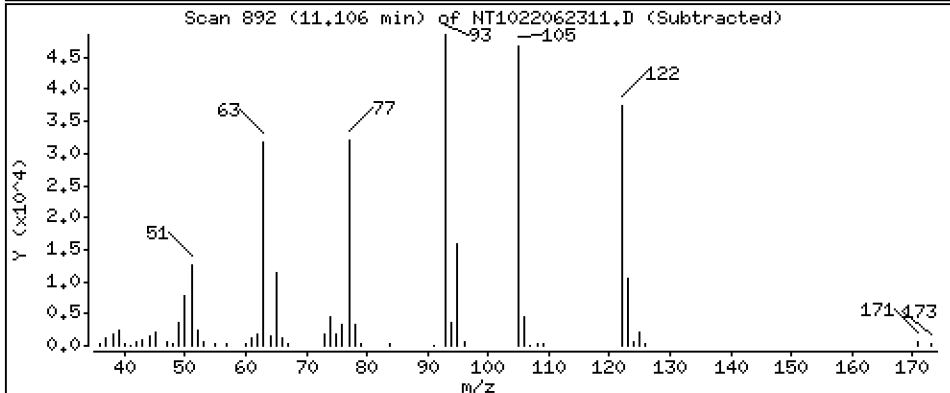
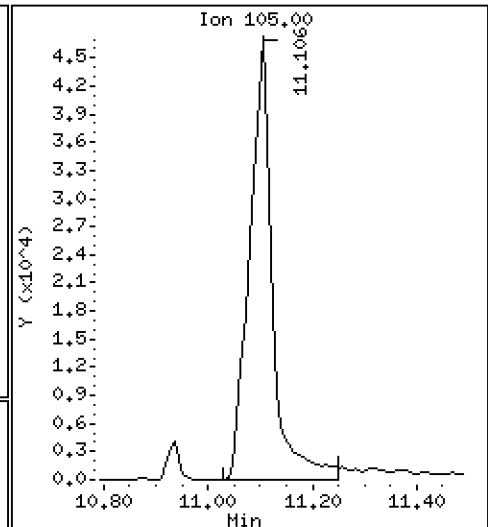
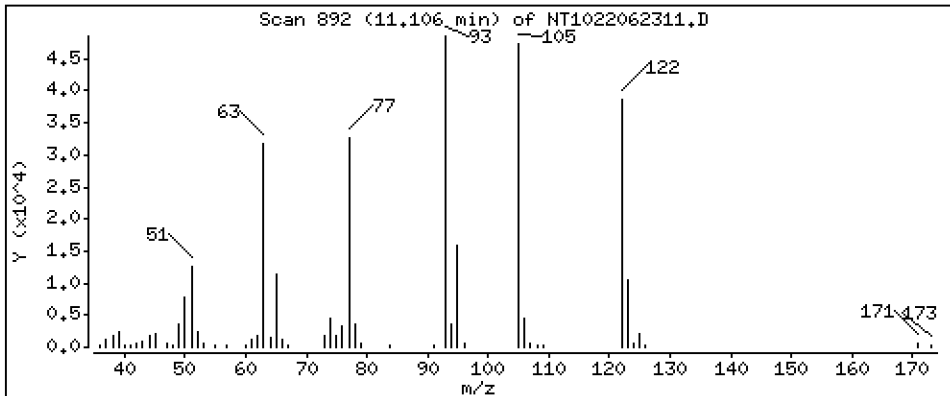
Operator: VTS

Column phase: ZB-5msi

Column diameter: 0,25

24 Benzoic acid

Concentration: 6,621 ug/mL



Date : 23-JUN-2022 15:20

Client ID:

Instrument: nt10.i

Sample Info: SKF0270-SCV1

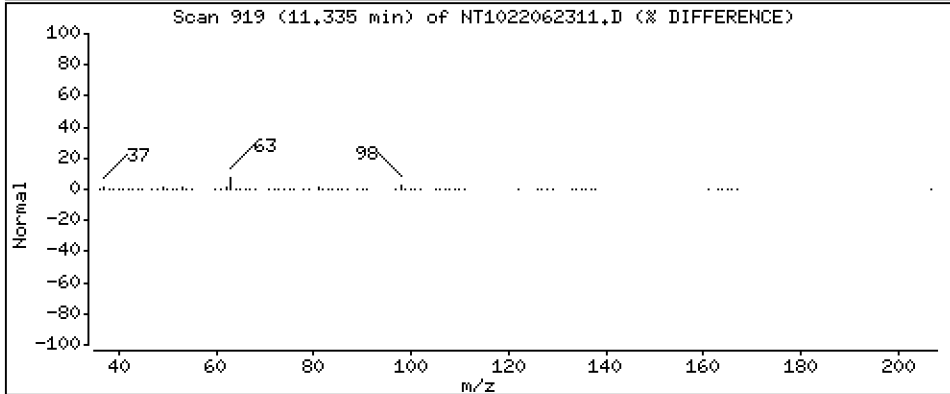
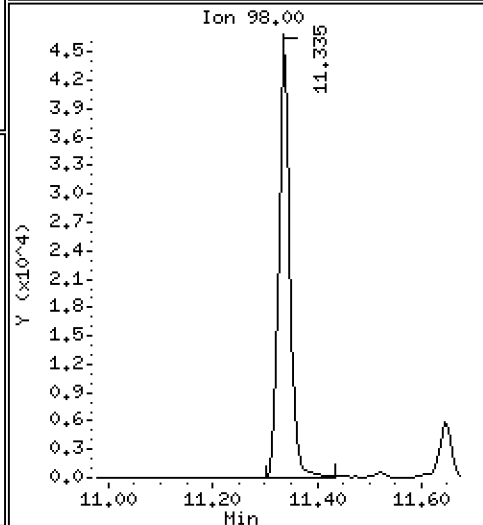
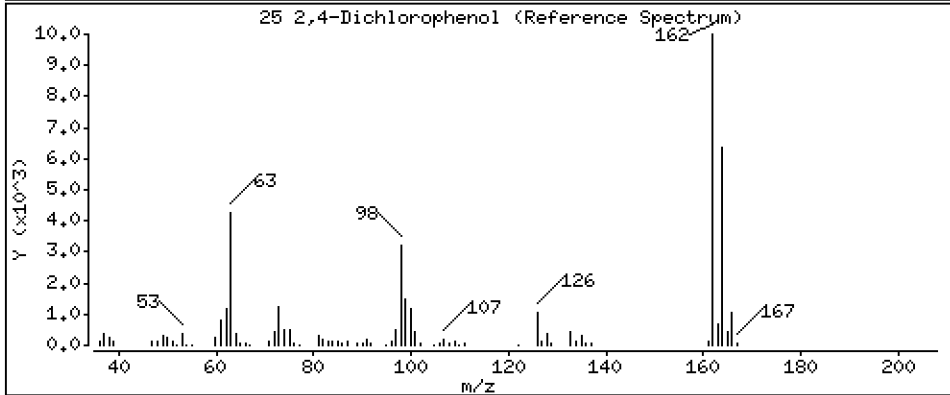
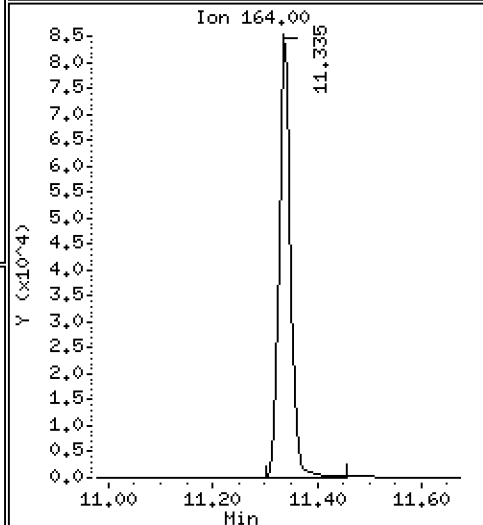
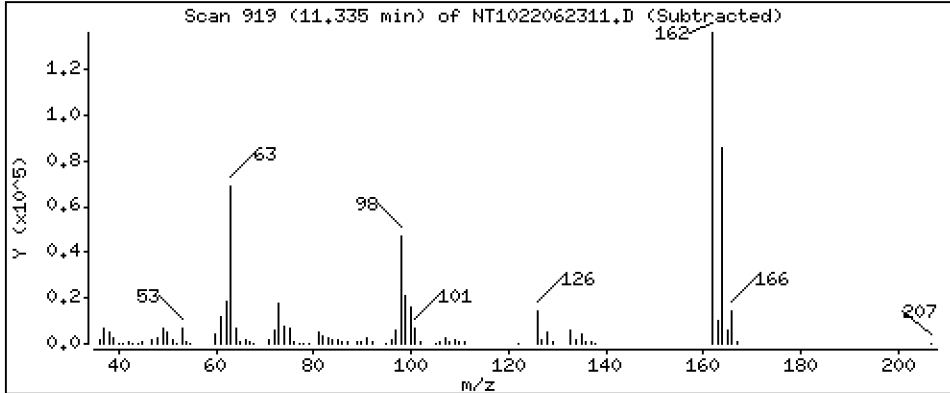
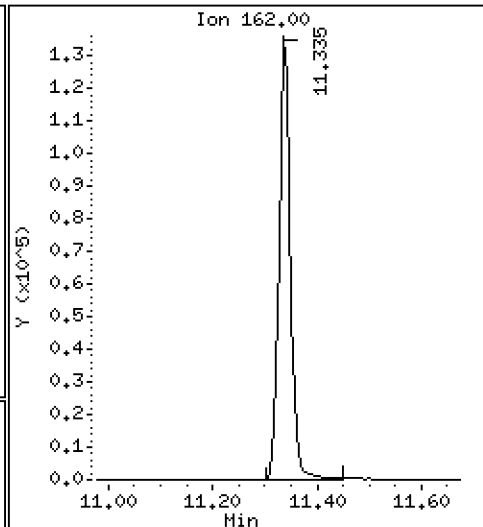
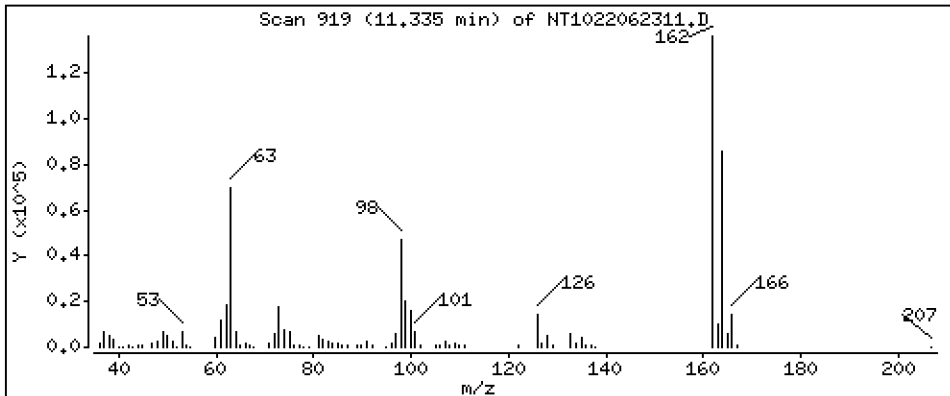
Operator: VTS

Column phase: ZB-5msi

Column diameter: 0,25

25 2,4-Dichlorophenol

Concentration: 5,545 ug/mL



Date : 23-JUN-2022 15:20

Client ID:

Instrument: nt10.i

Sample Info: SKF0270-SCV1

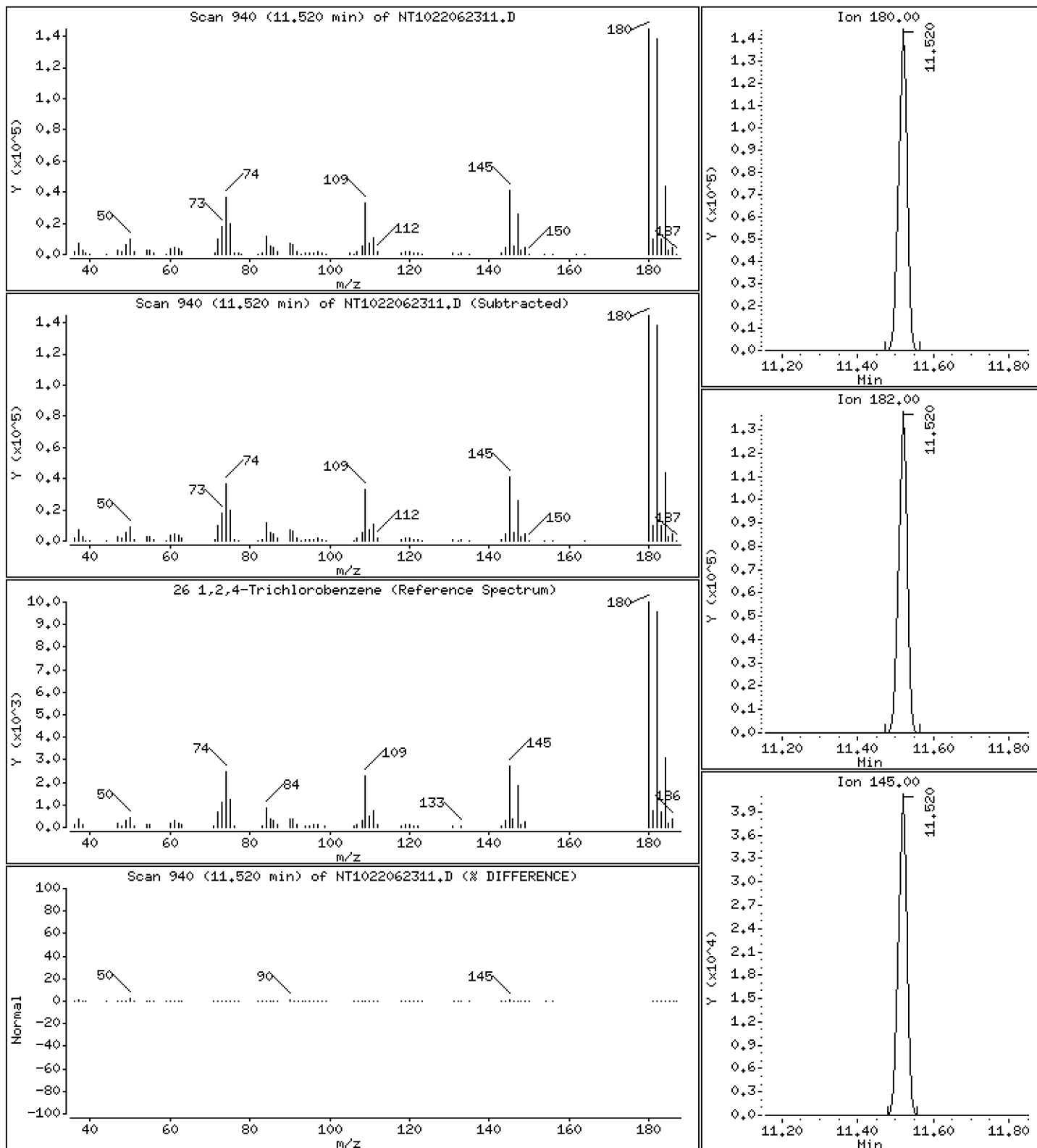
Operator: VTS

Column phase: ZB-5msi

Column diameter: 0,25

26 1,2,4-Trichlorobenzene

Concentration: 4,888 ug/mL



Date : 23-JUN-2022 15:20

Client ID:

Instrument: nt10.i

Sample Info: SKF0270-SCV1

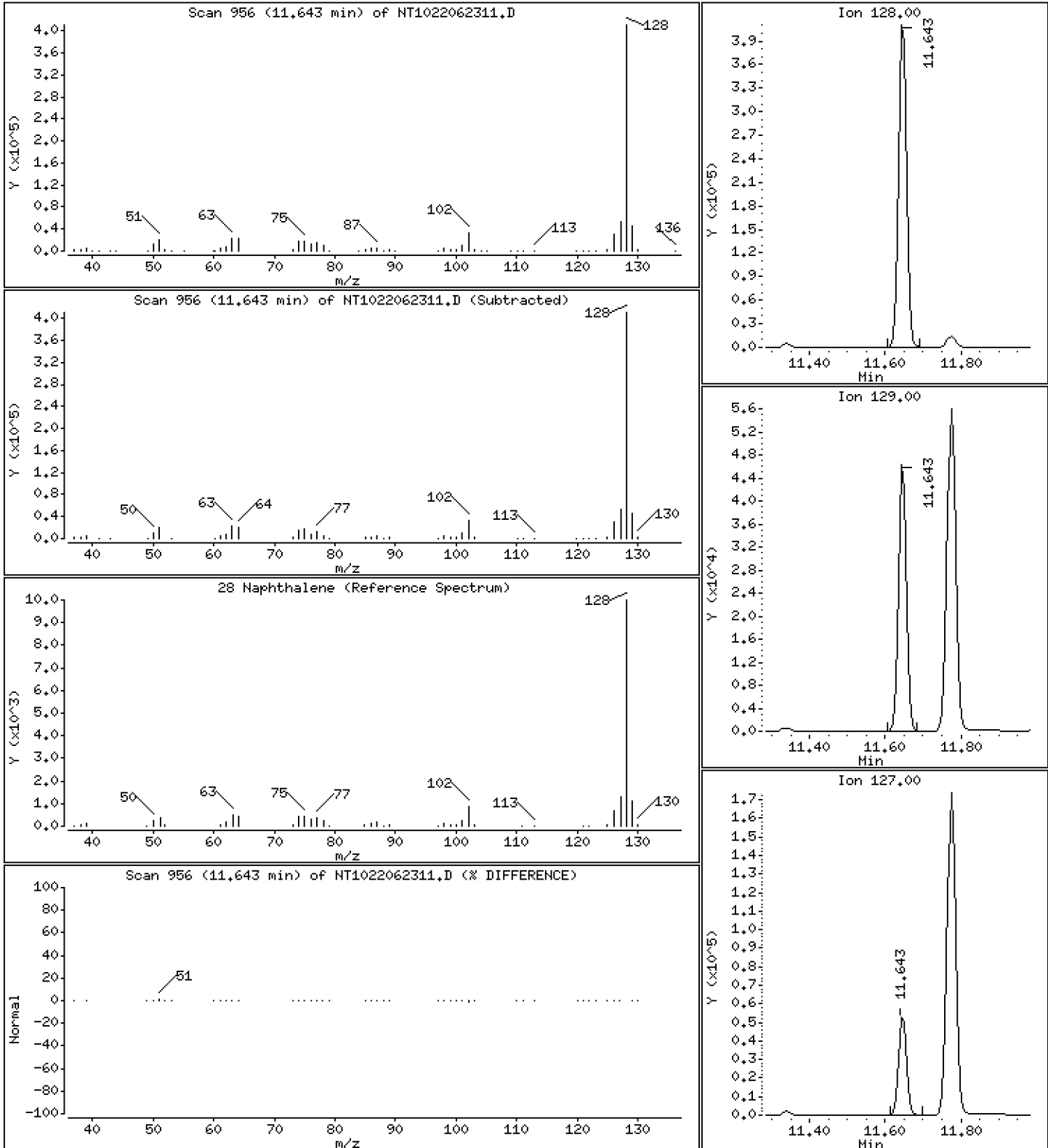
Operator: VTS

Column phase: ZB-5msi

Column diameter: 0,25

28 Naphthalene

Concentration: 4,947 ug/mL



Date : 23-JUN-2022 15:20

Client ID:

Instrument: nt10.i

Sample Info: SKF0270-SCV1

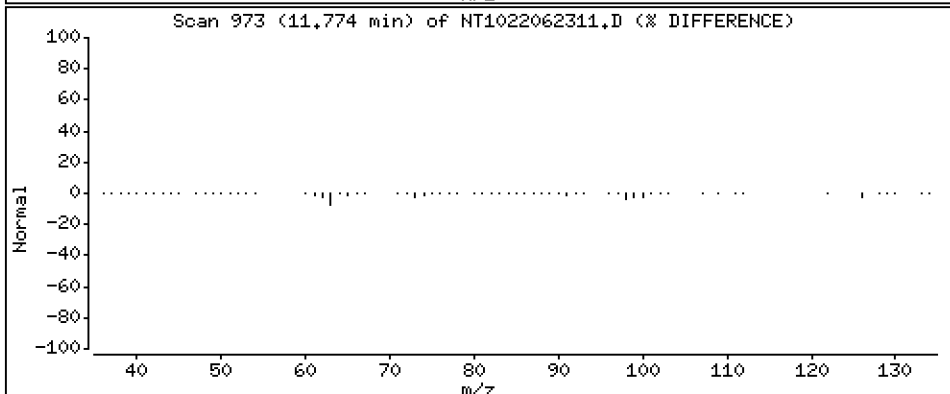
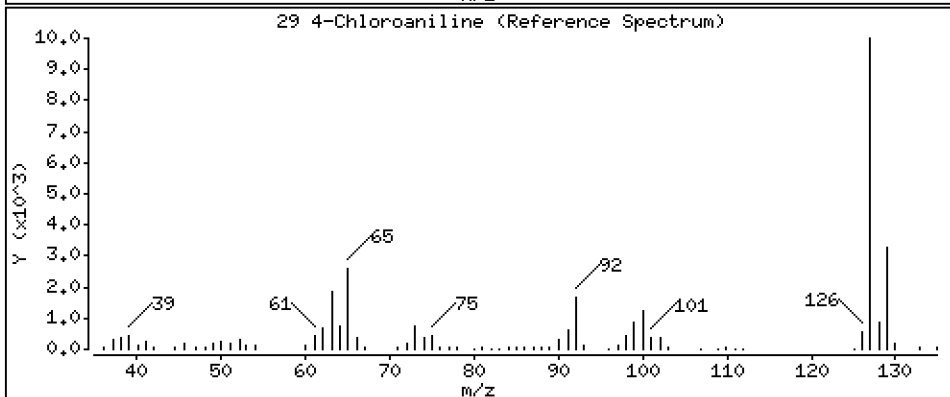
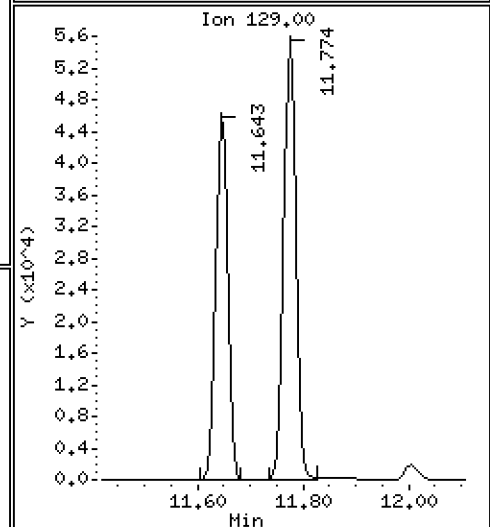
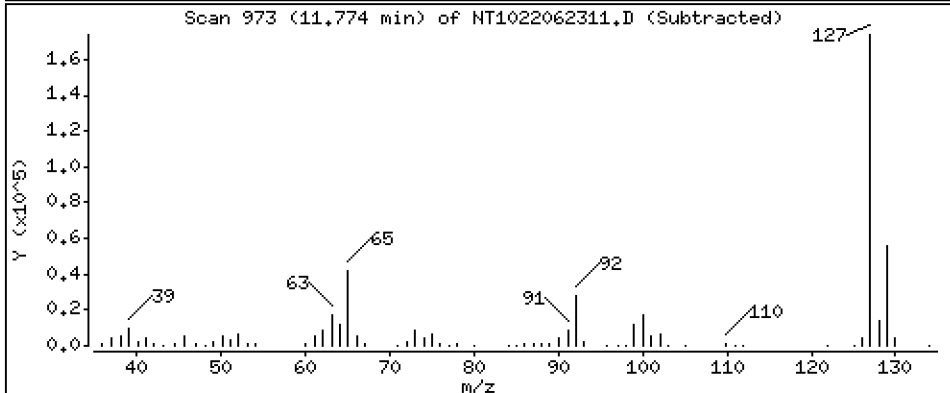
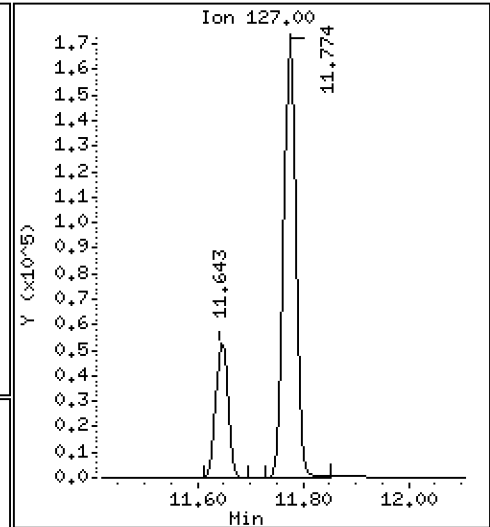
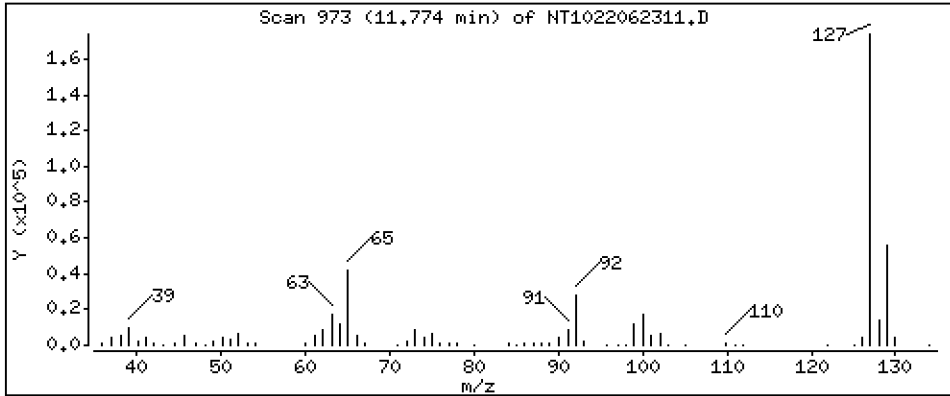
Operator: VTS

Column phase: ZB-5msi

Column diameter: 0.25

29 4-Chloroaniline

Concentration: 4.646 ug/mL



Date : 23-JUN-2022 15:20

Client ID:

Instrument: nt10.i

Sample Info: SKF0270-SCV1

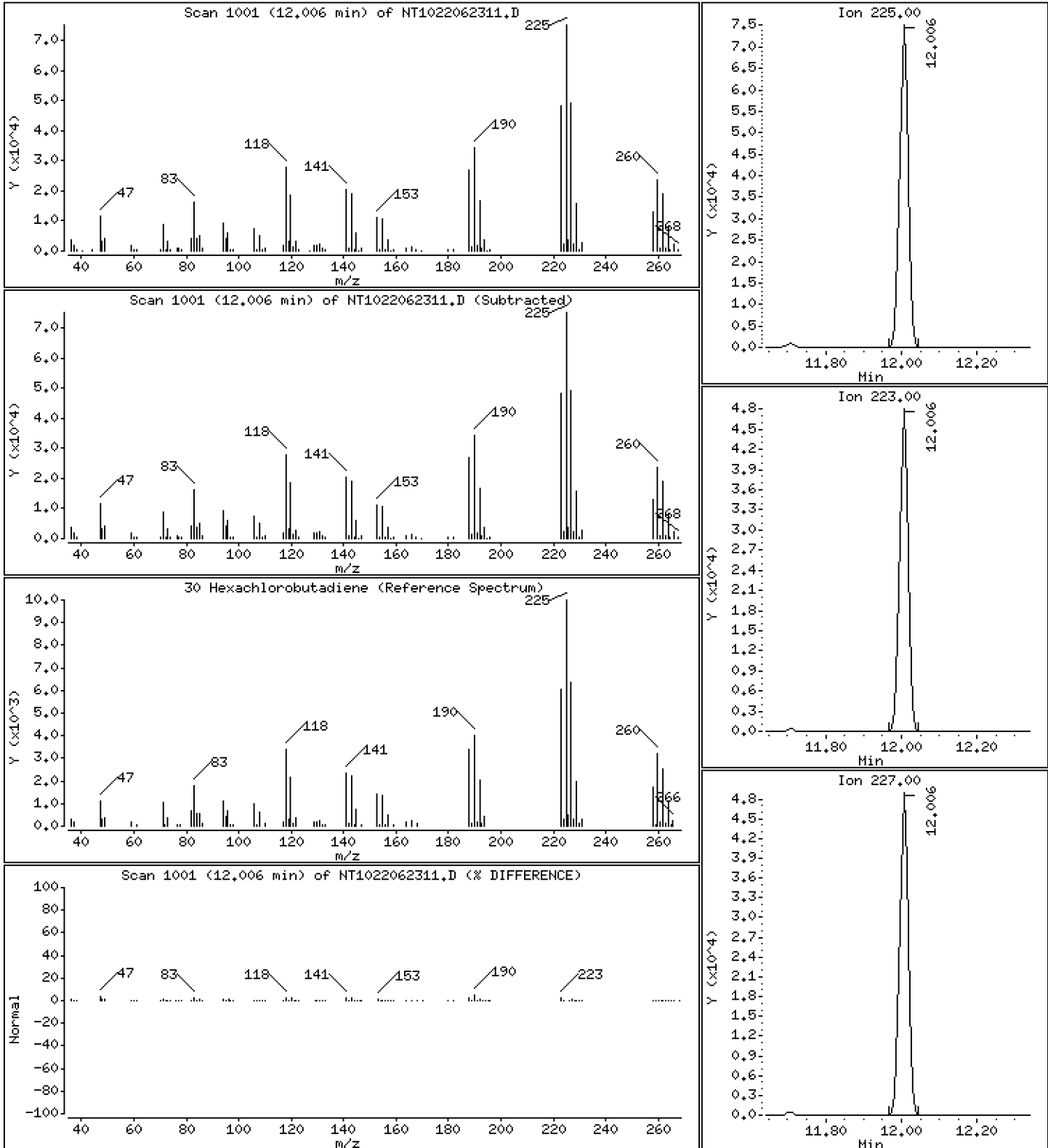
Operator: VTS

Column phase: ZB-5msi

Column diameter: 0,25

30 Hexachlorobutadiene

Concentration: 5,339 ug/mL



Date : 23-JUN-2022 15:20

Client ID:

Instrument: nt10.i

Sample Info: SKF0270-SCV1

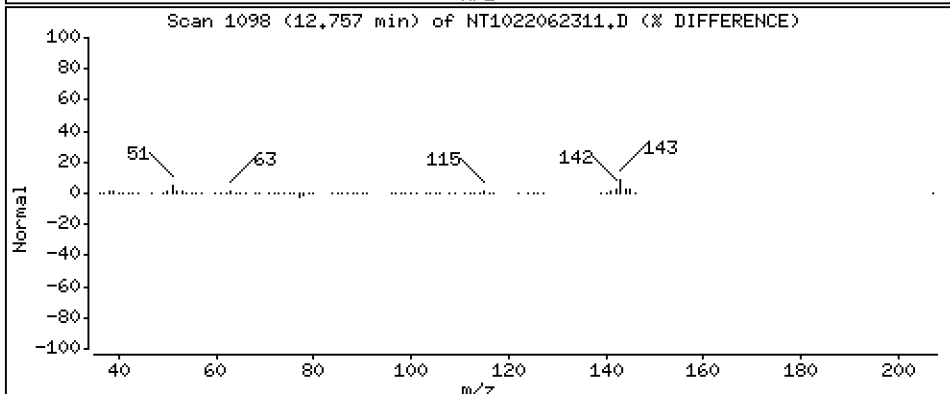
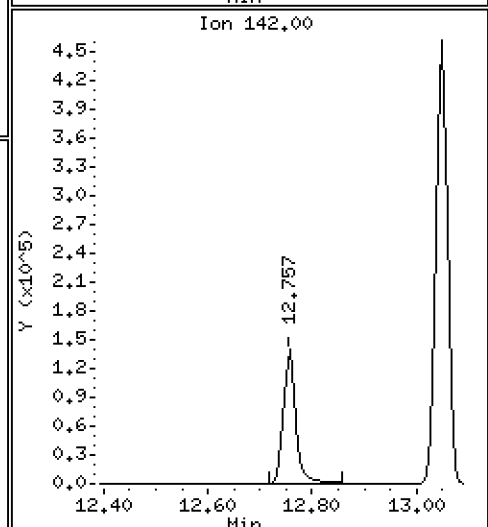
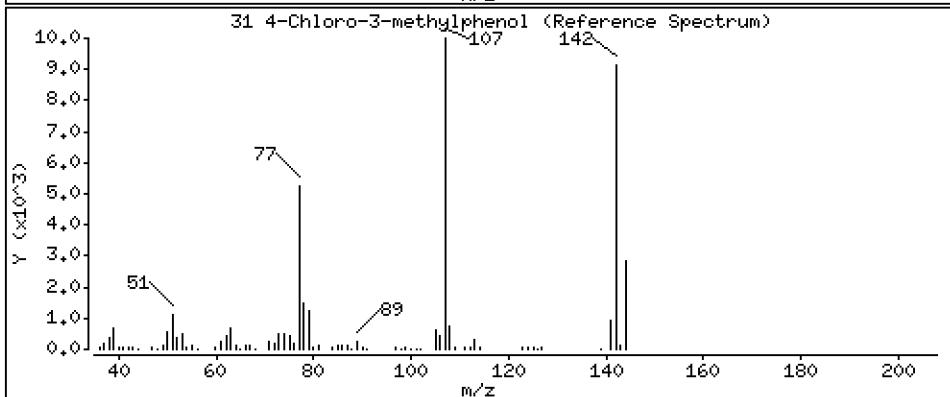
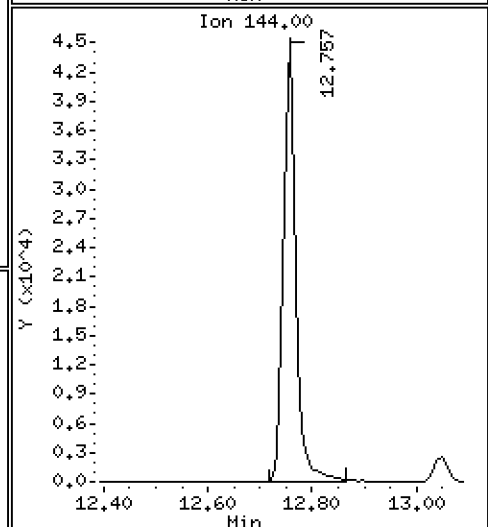
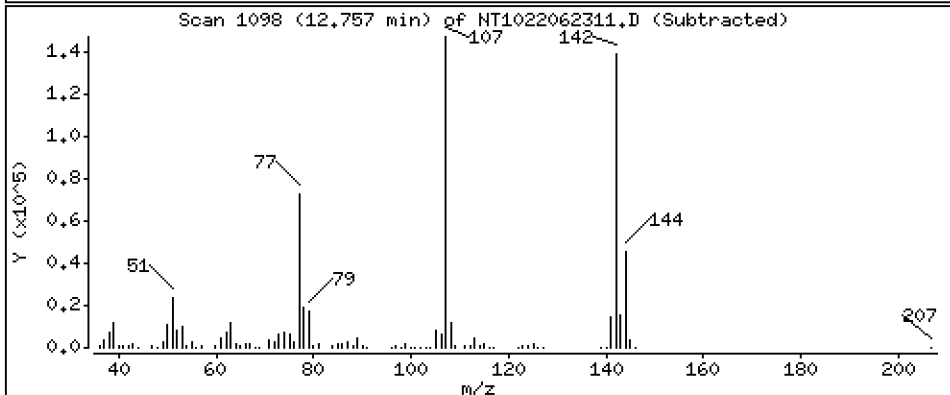
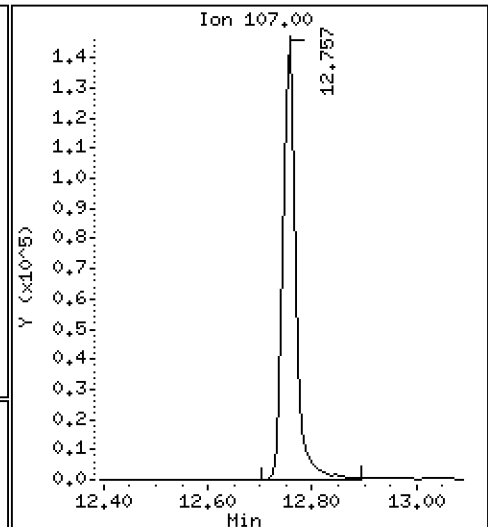
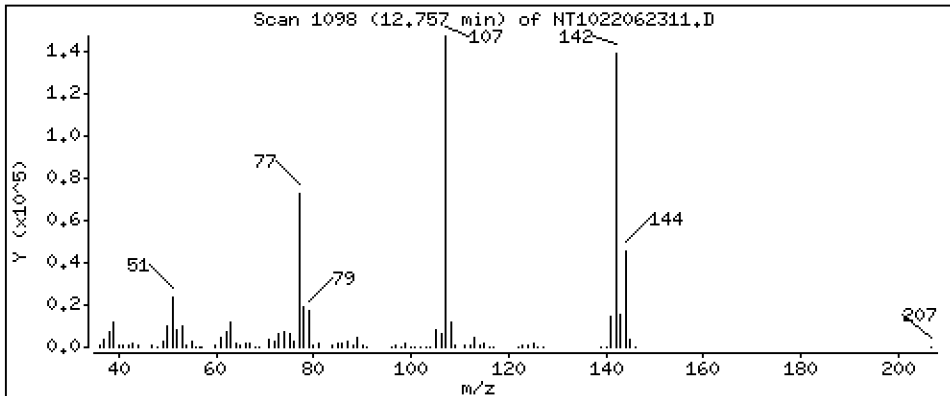
Operator: VTS

Column phase: ZB-5msi

Column diameter: 0,25

31 4-Chloro-3-methylphenol

Concentration: 4,853 ug/mL



Date : 23-JUN-2022 15:20

Client ID:

Instrument: nt10.i

Sample Info: SKF0270-SCV1

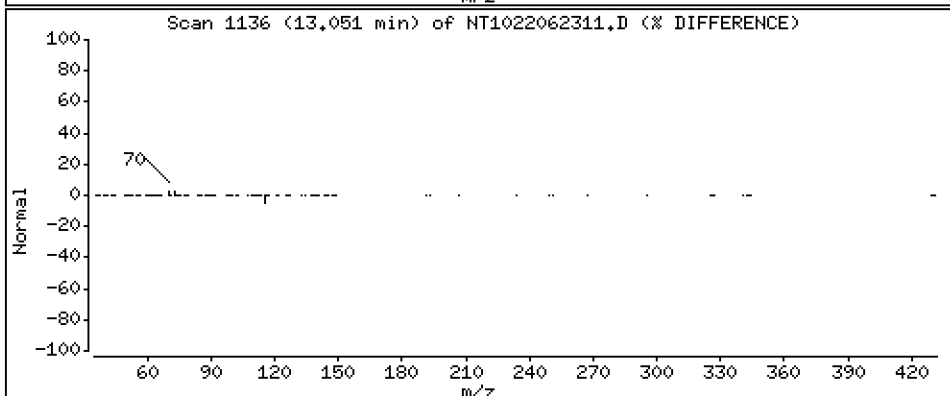
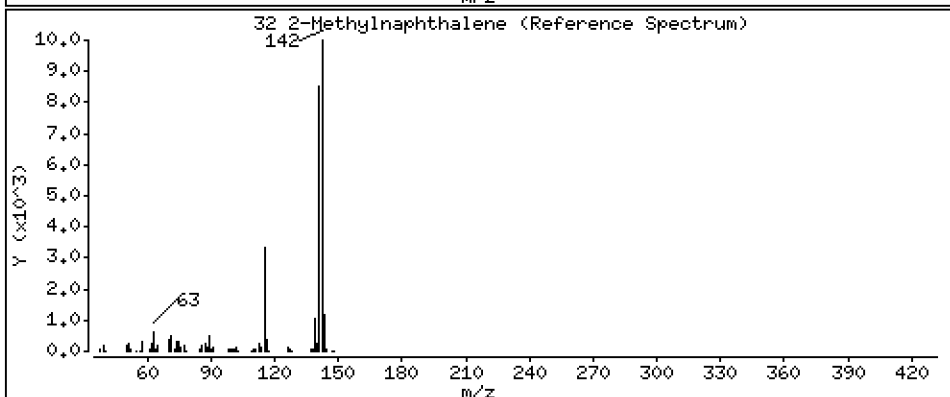
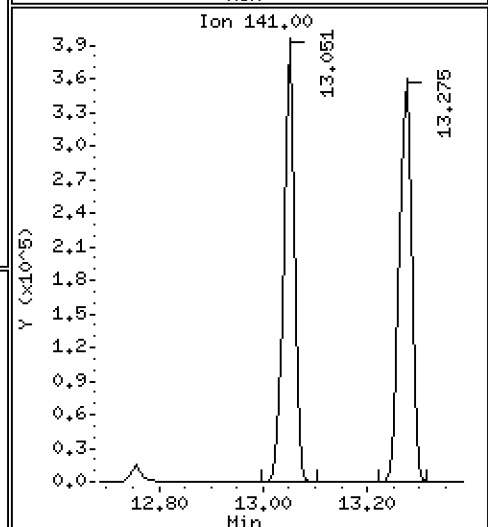
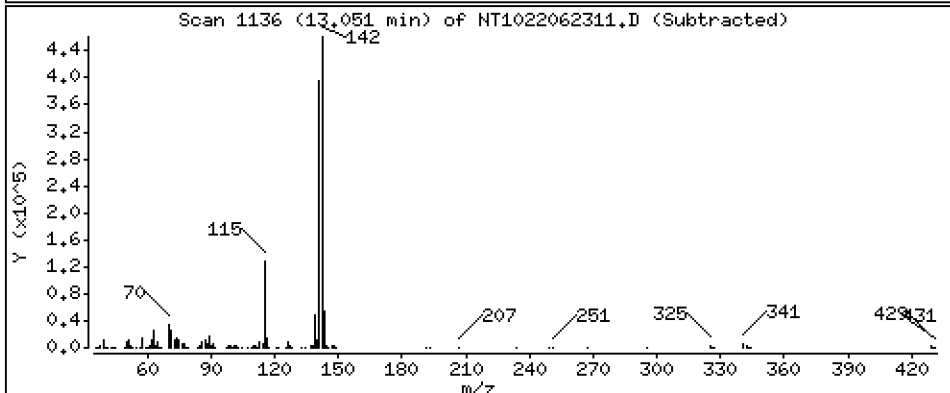
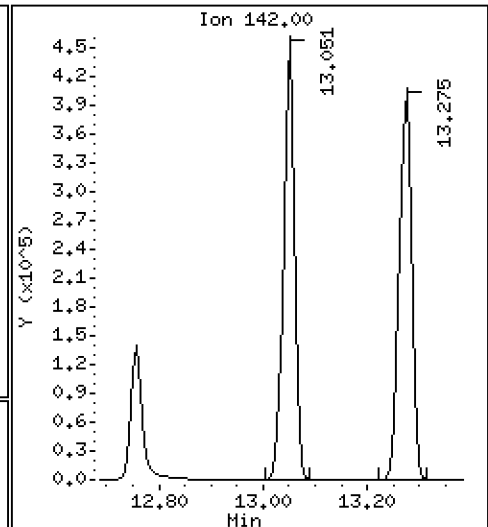
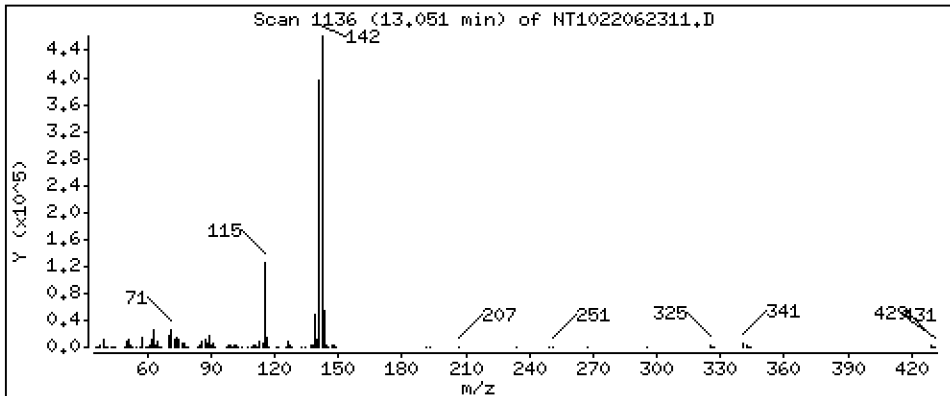
Operator: VTS

Column phase: ZB-5msi

Column diameter: 0,25

32 2-Methylnaphthalene

Concentration: 5,214 ug/mL



Date : 23-JUN-2022 15:20

Client ID:

Instrument: nt10.i

Sample Info: SKF0270-SCV1

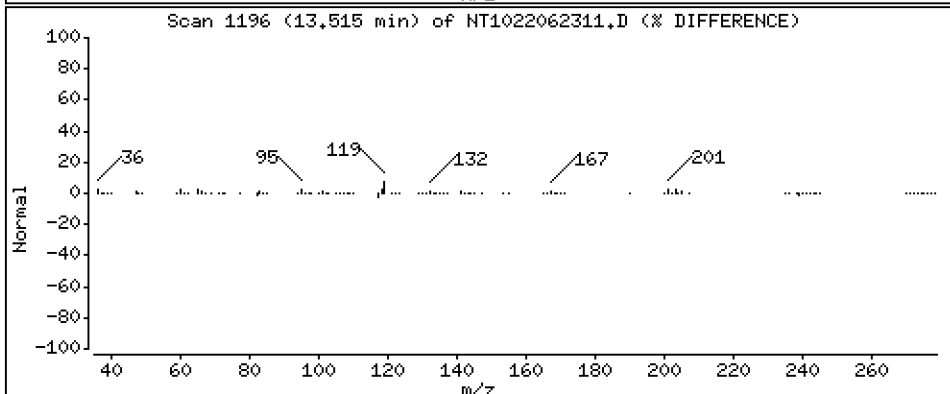
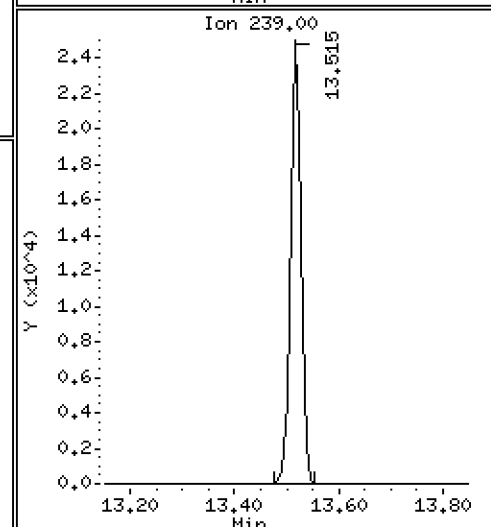
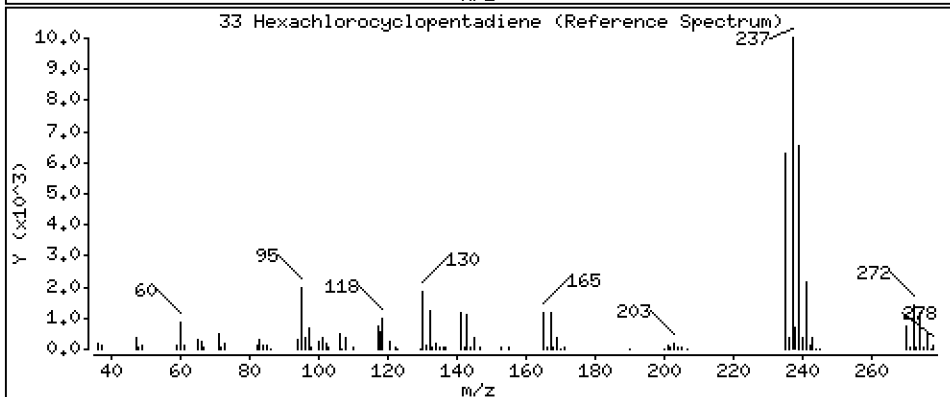
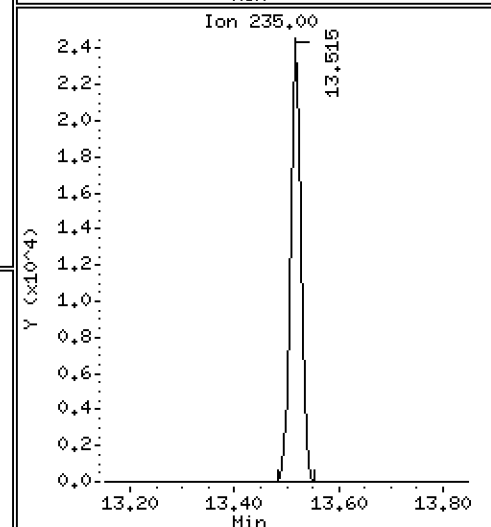
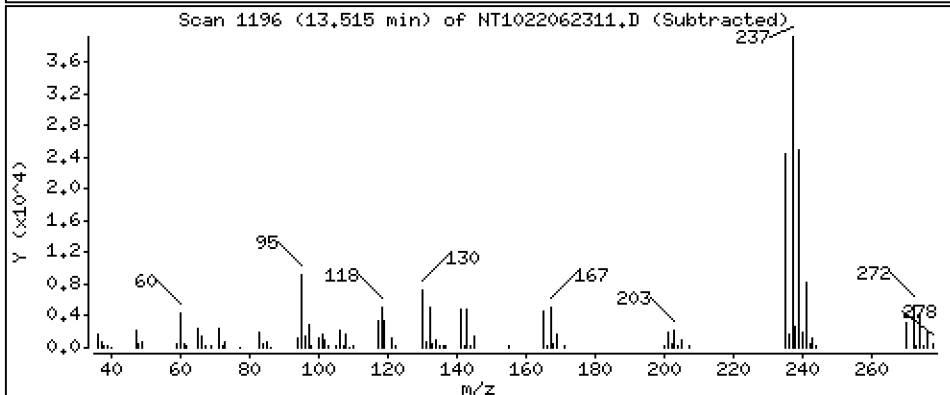
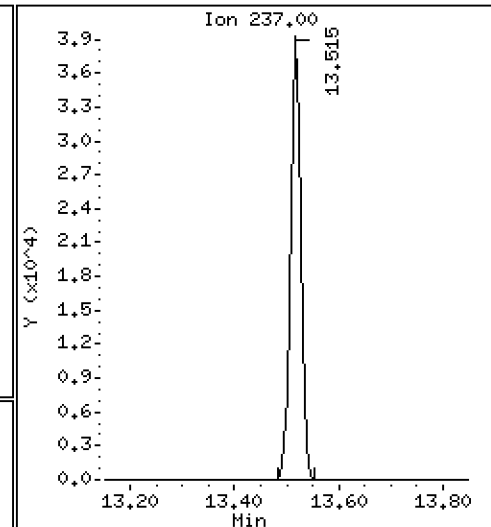
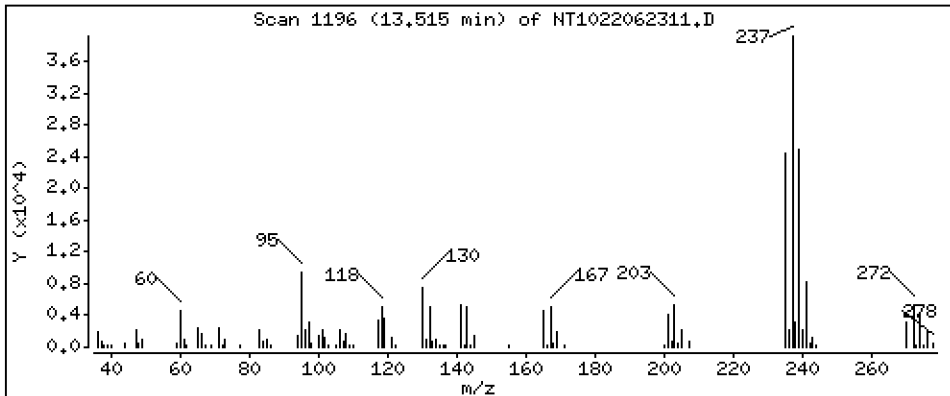
Operator: VTS

Column phase: ZB-5msi

Column diameter: 0,25

33 Hexachlorocyclopentadiene

Concentration: 3,326 ug/mL



Date : 23-JUN-2022 15:20

Client ID:

Instrument: nt10.i

Sample Info: SKF0270-SCV1

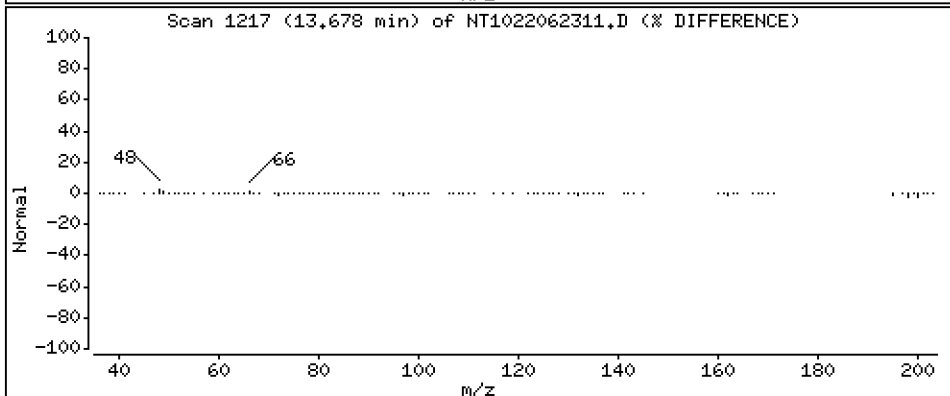
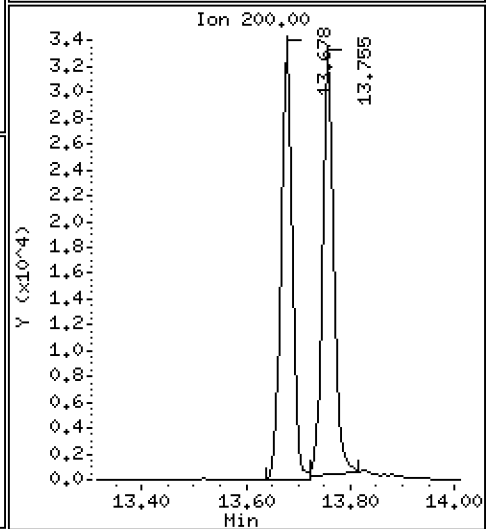
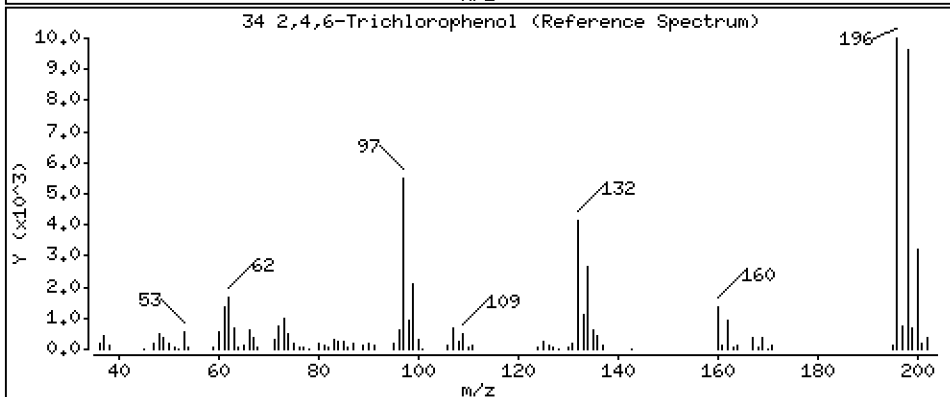
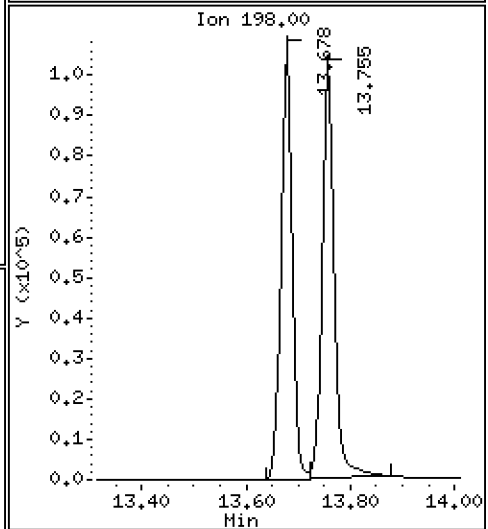
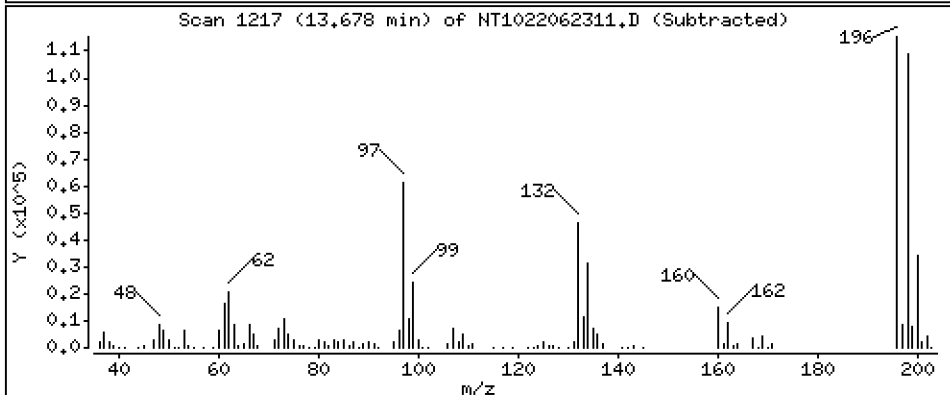
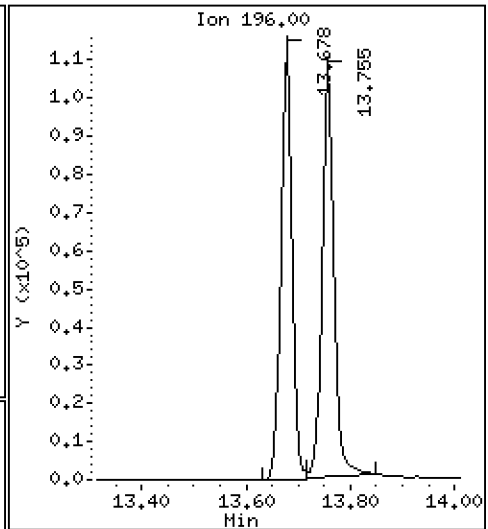
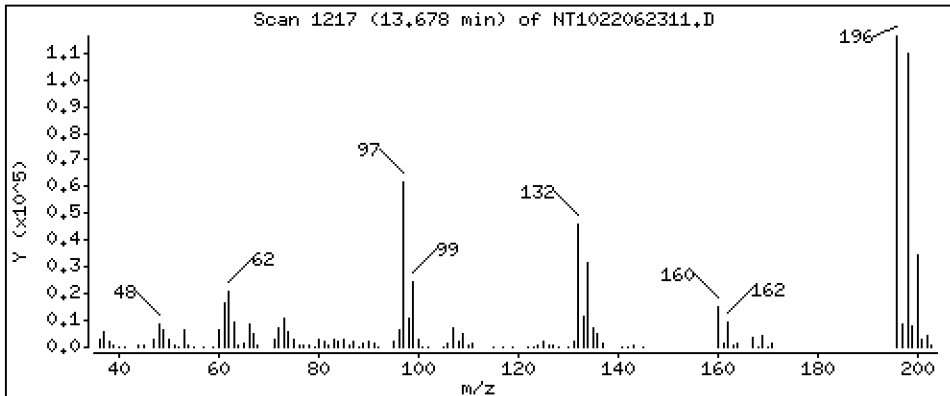
Operator: VTS

Column phase: ZB-5msi

Column diameter: 0,25

34 2,4,6-Trichlorophenol

Concentration: 5,242 ug/mL



Date : 23-JUN-2022 15:20

Client ID:

Instrument: nt10.i

Sample Info: SKF0270-SCV1

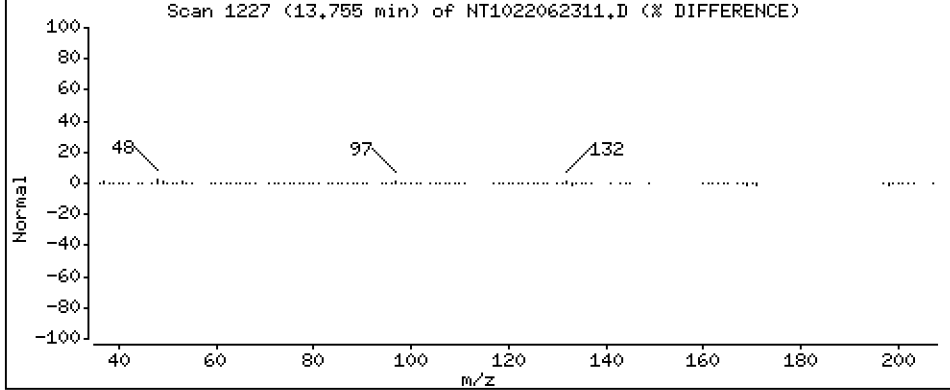
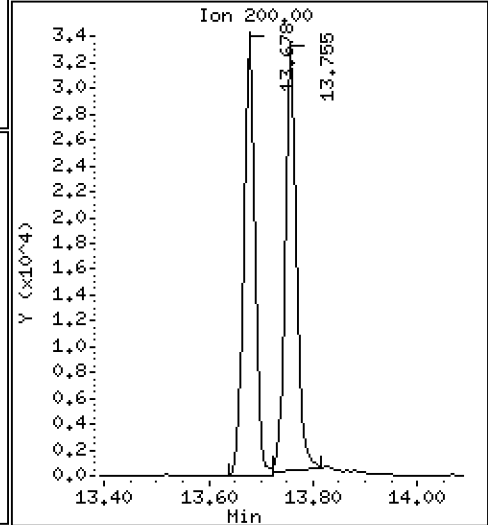
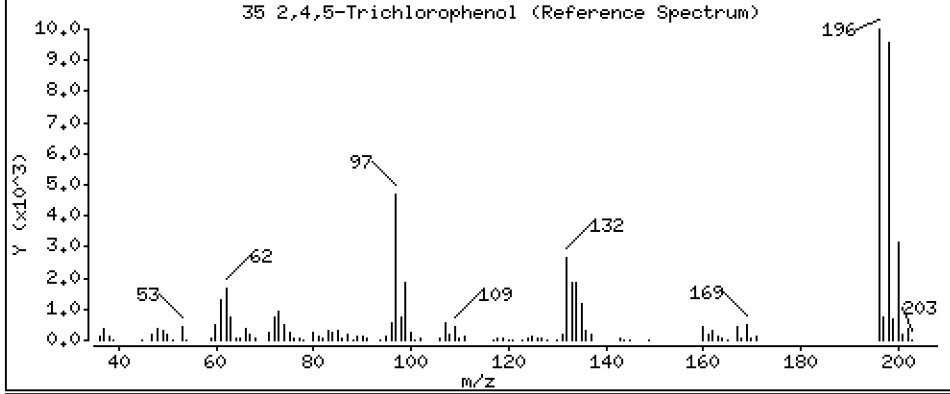
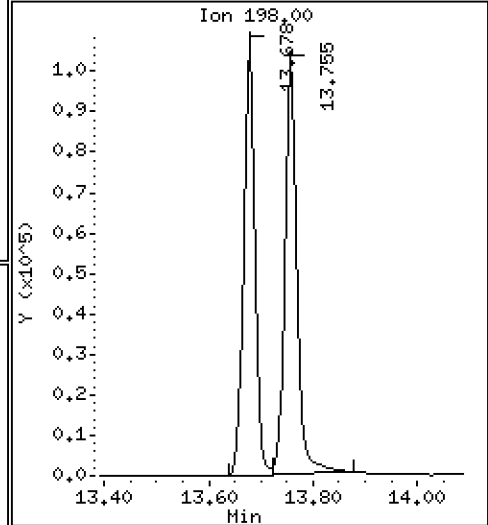
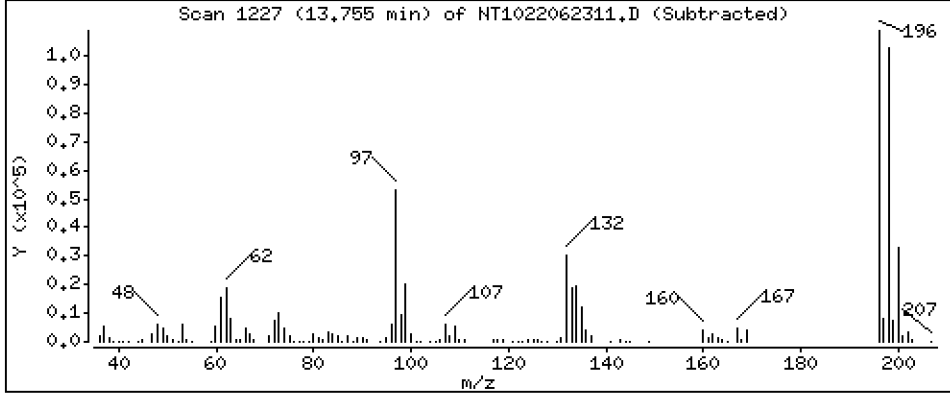
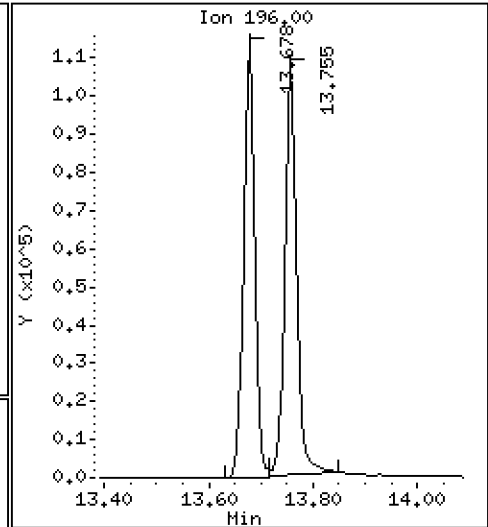
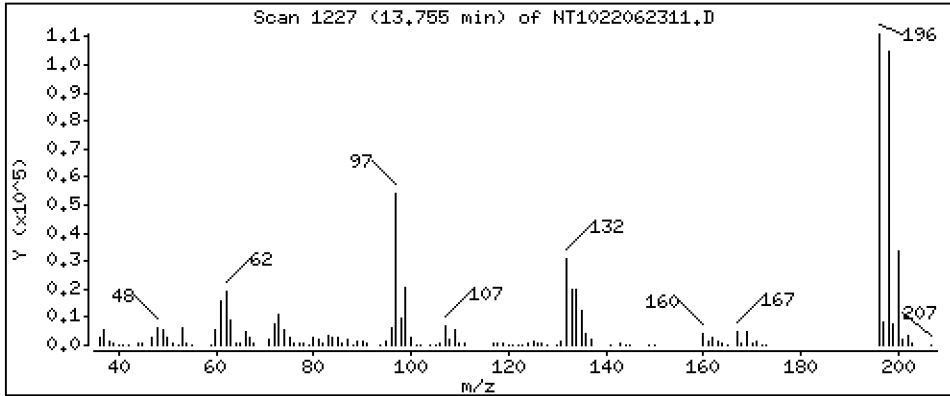
Operator: VTS

Column phase: ZB-5msi

Column diameter: 0,25

35 2,4,5-Trichlorophenol

Concentration: 4,427 ug/mL



Date : 23-JUN-2022 15:20

Client ID:

Instrument: nt10.i

Sample Info: SKF0270-SCV1

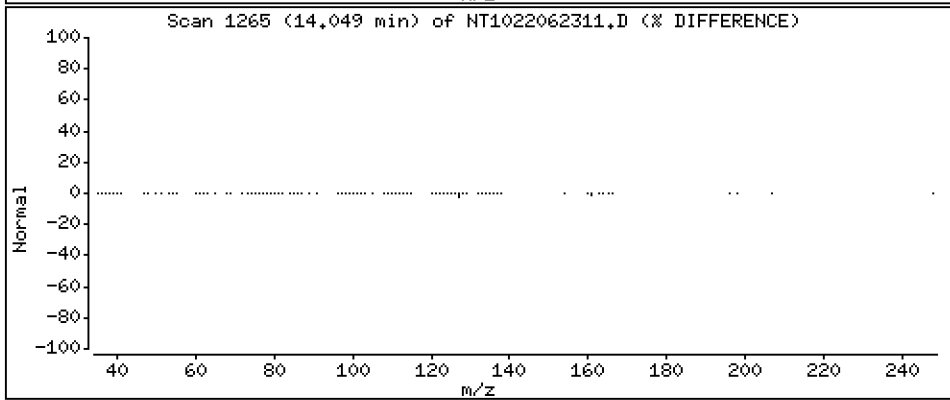
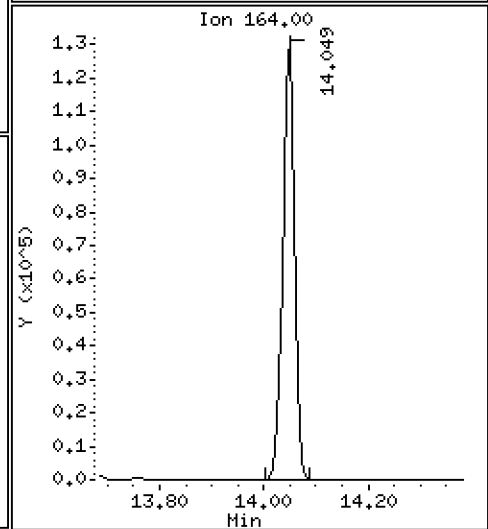
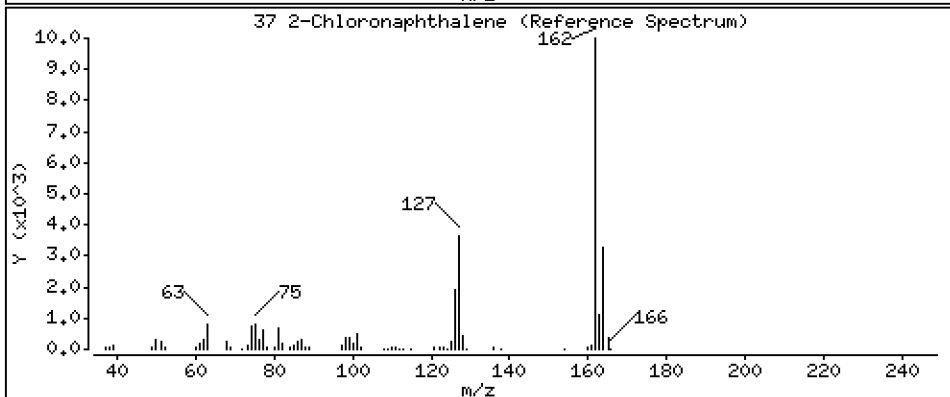
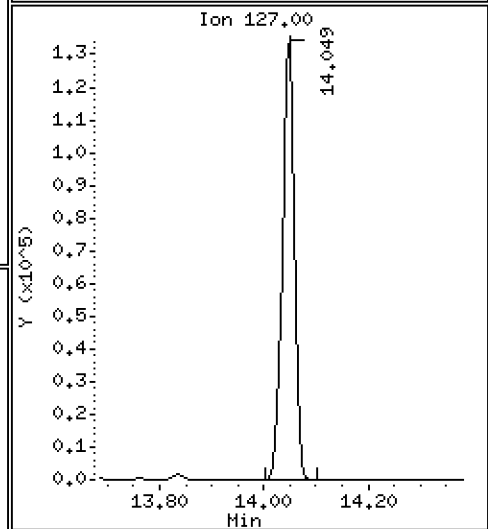
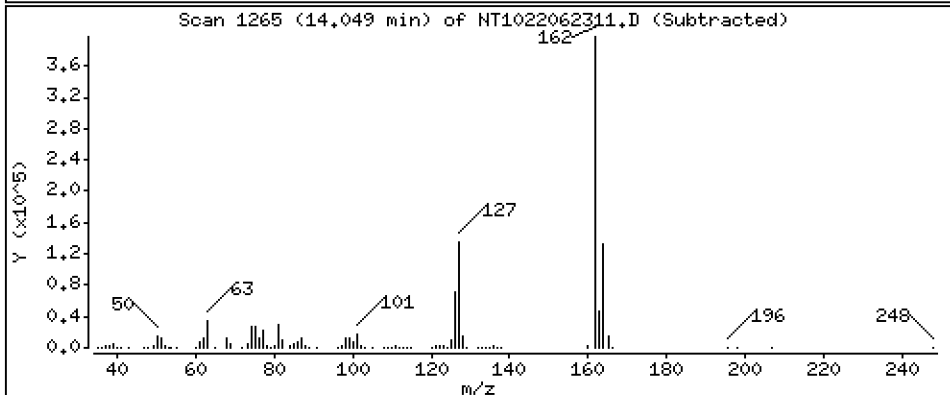
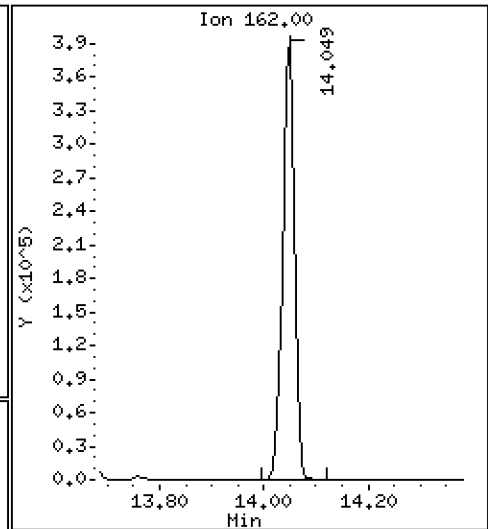
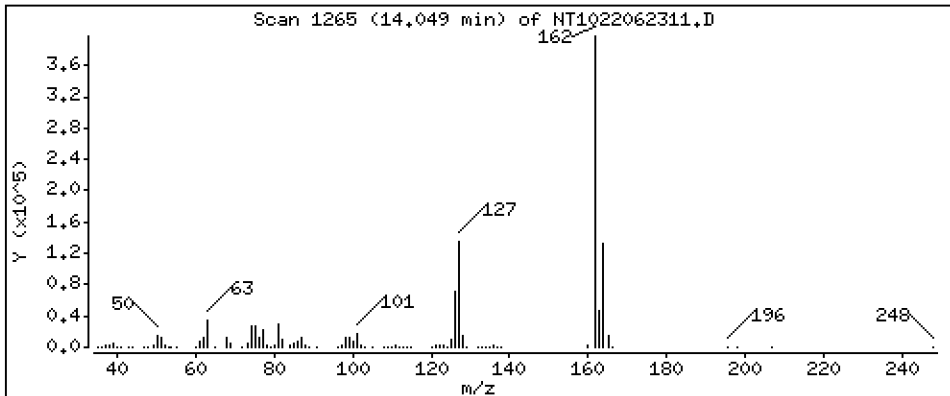
Operator: VTS

Column phase: ZB-5msi

Column diameter: 0,25

37 2-Chloronaphthalene

Concentration: 5,462 ug/mL



Date : 23-JUN-2022 15:20

Client ID:

Instrument: nt10.i

Sample Info: SKF0270-SCV1

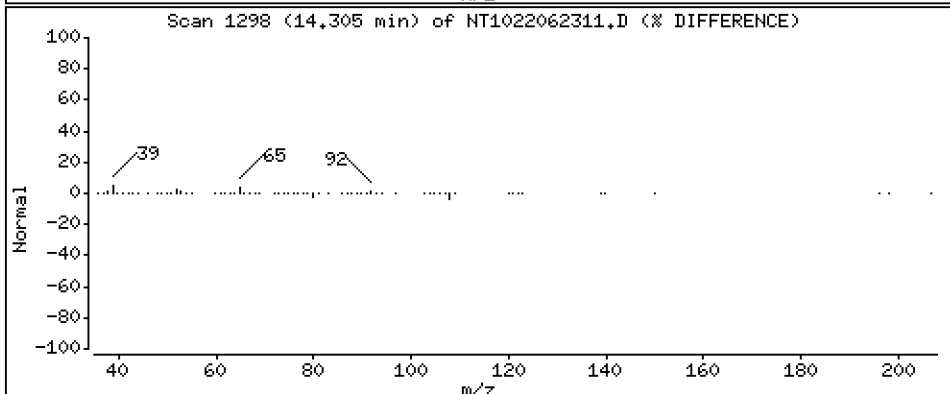
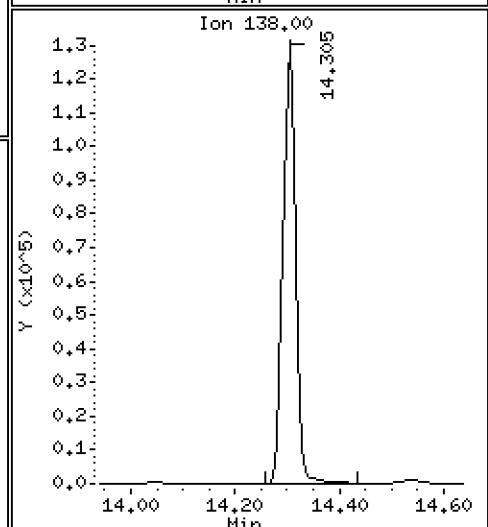
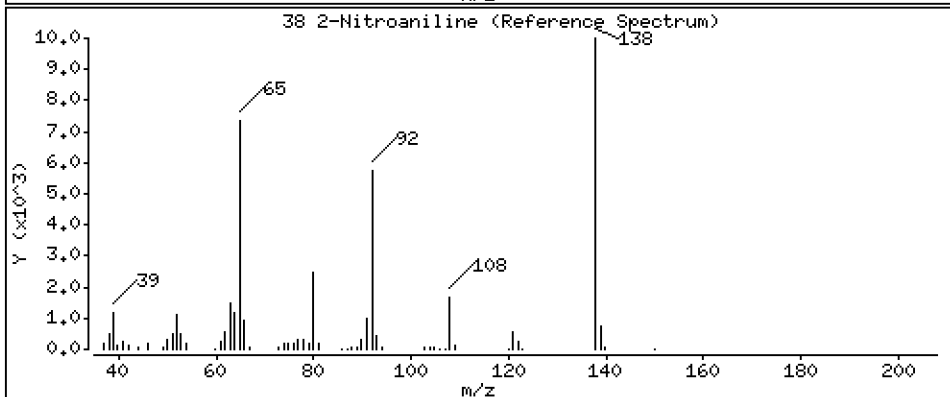
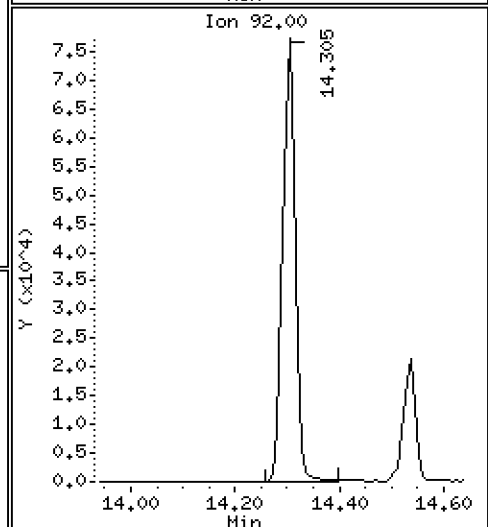
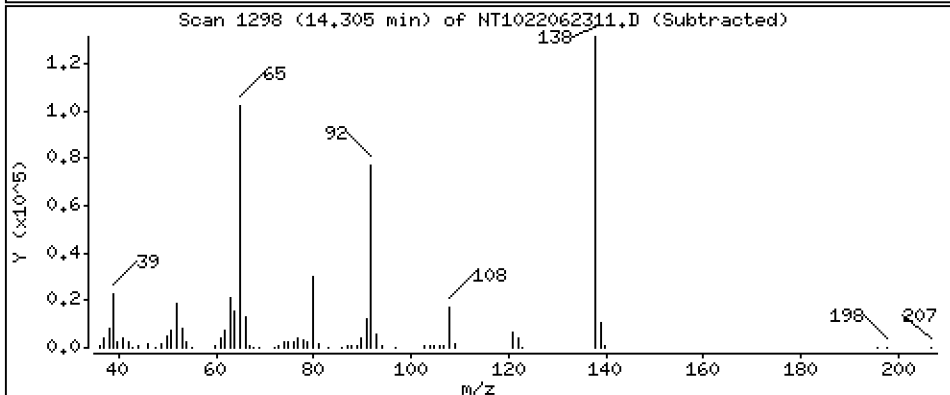
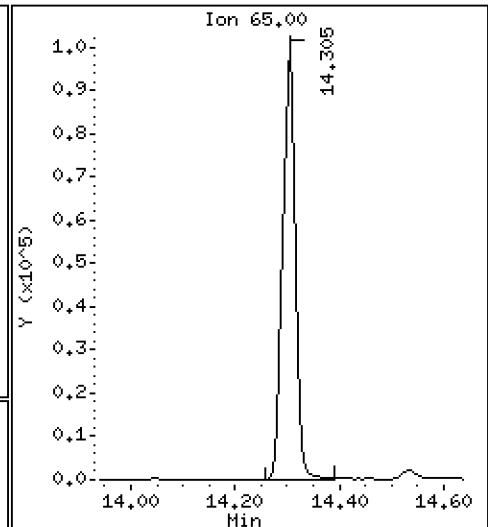
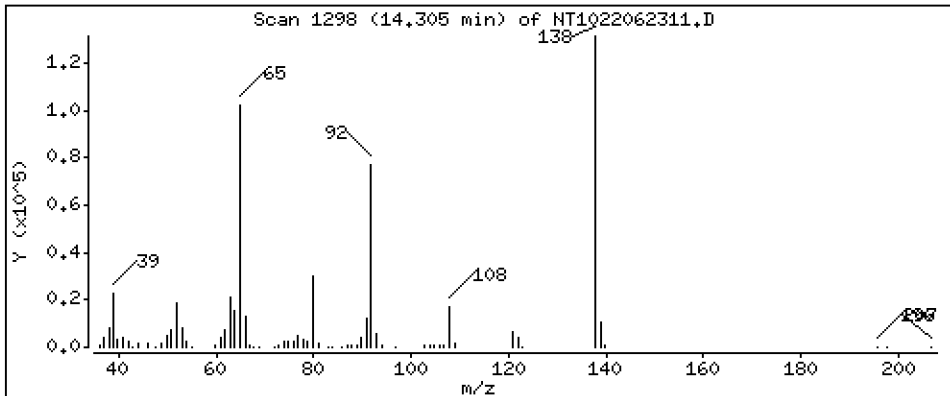
Operator: VTS

Column phase: ZB-5msi

Column diameter: 0,25

38 2-Nitroaniline

Concentration: 5,342 ug/mL



Date : 23-JUN-2022 15:20

Client ID:

Instrument: nt10.i

Sample Info: SKF0270-SCV1

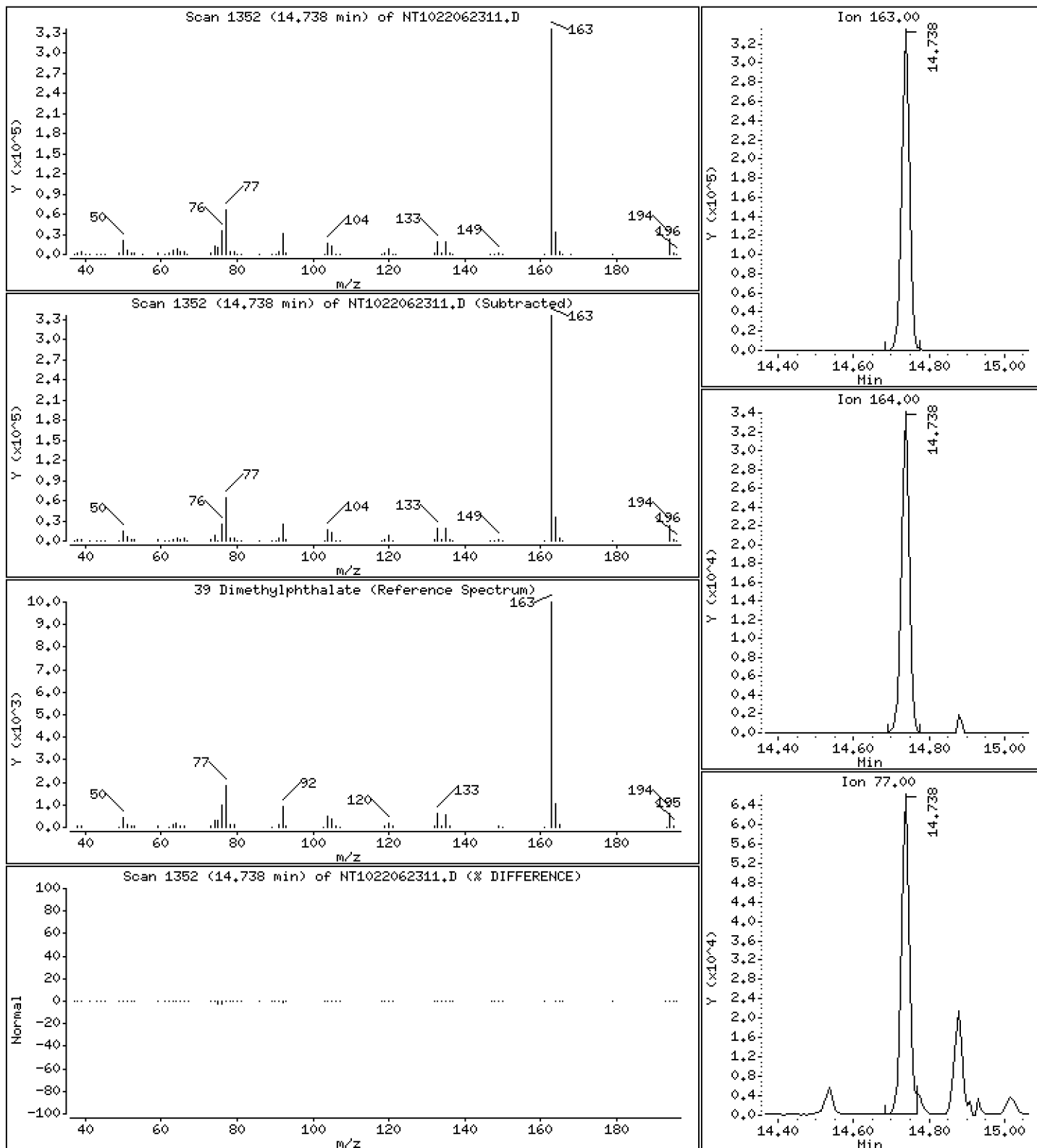
Operator: VTS

Column phase: ZB-5msi

Column diameter: 0,25

39 Dimethylphthalate

Concentration: 4,973 ug/mL



Date : 23-JUN-2022 15:20

Client ID:

Instrument: nt10.i

Sample Info: SKF0270-SCV1

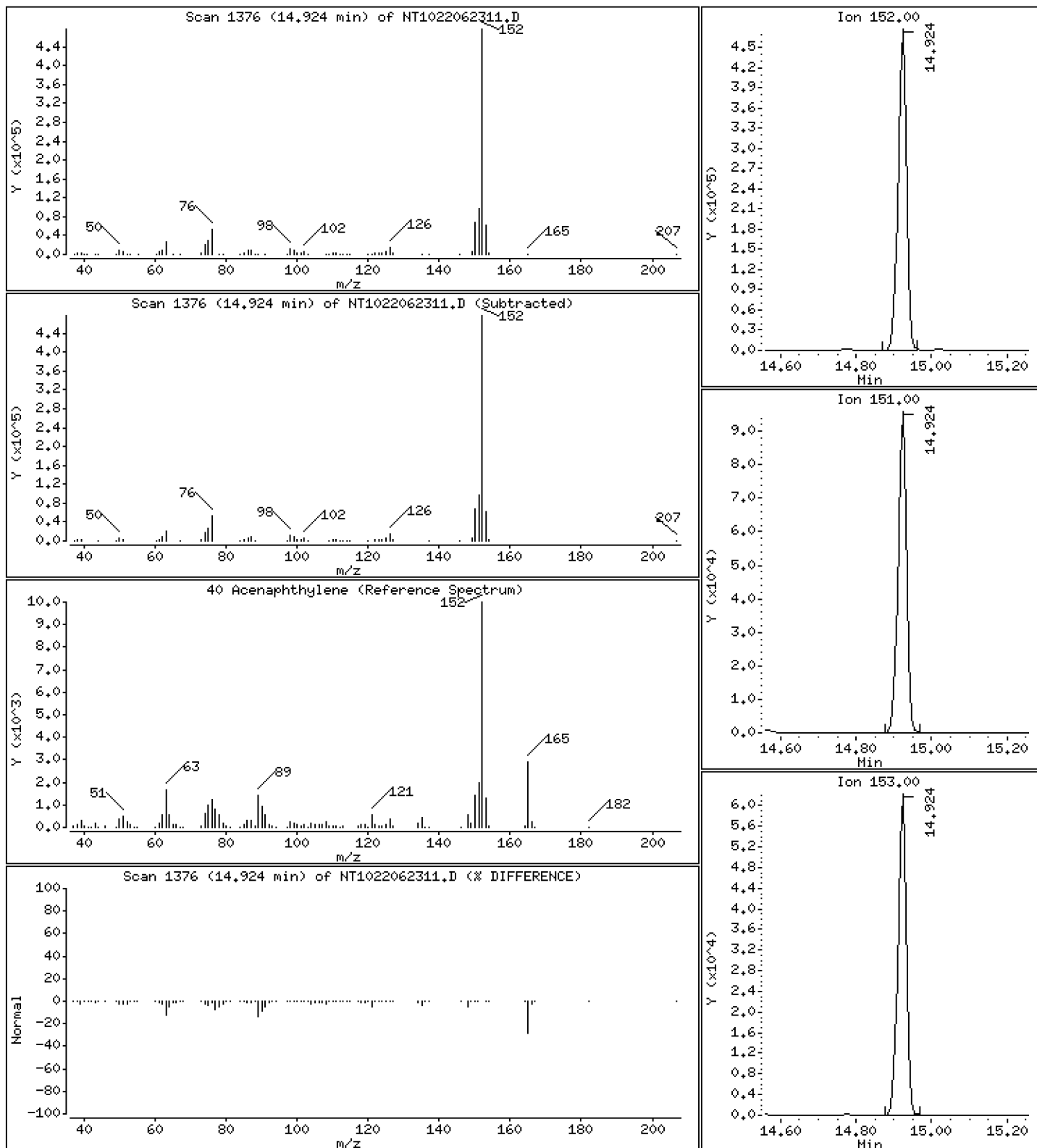
Operator: VTS

Column phase: ZB-5msi

Column diameter: 0,25

40 Acenaphthylene

Concentration: 4,476 ug/mL



Date : 23-JUN-2022 15:20

Client ID:

Instrument: nt10.i

Sample Info: SKF0270-SCV1

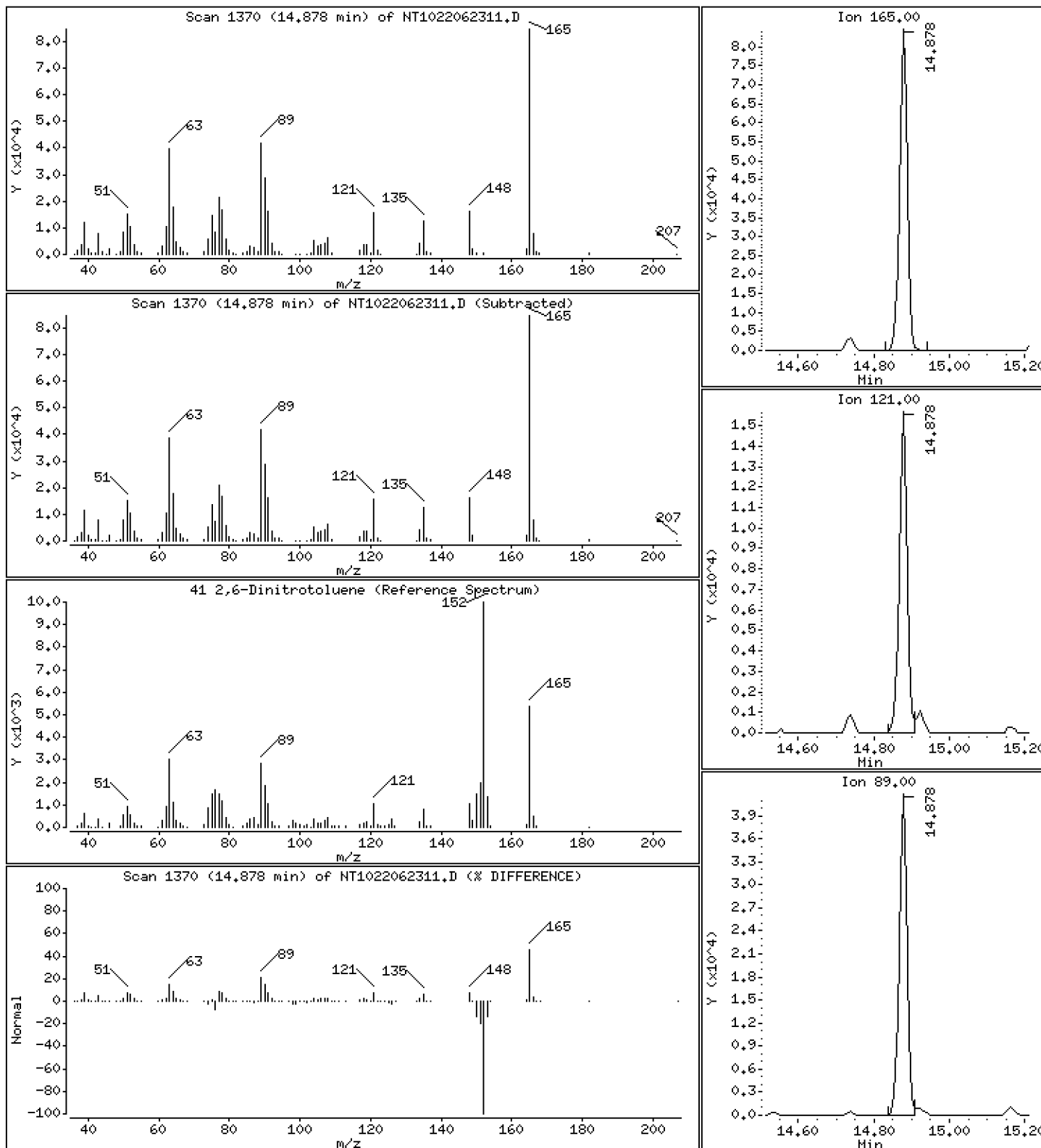
Operator: VTS

Column phase: ZB-5msi

Column diameter: 0,25

41 2,6-Dinitrotoluene

Concentration: 5,256 ug/mL



Date : 23-JUN-2022 15:20

Client ID:

Instrument: nt10.i

Sample Info: SKF0270-SCV1

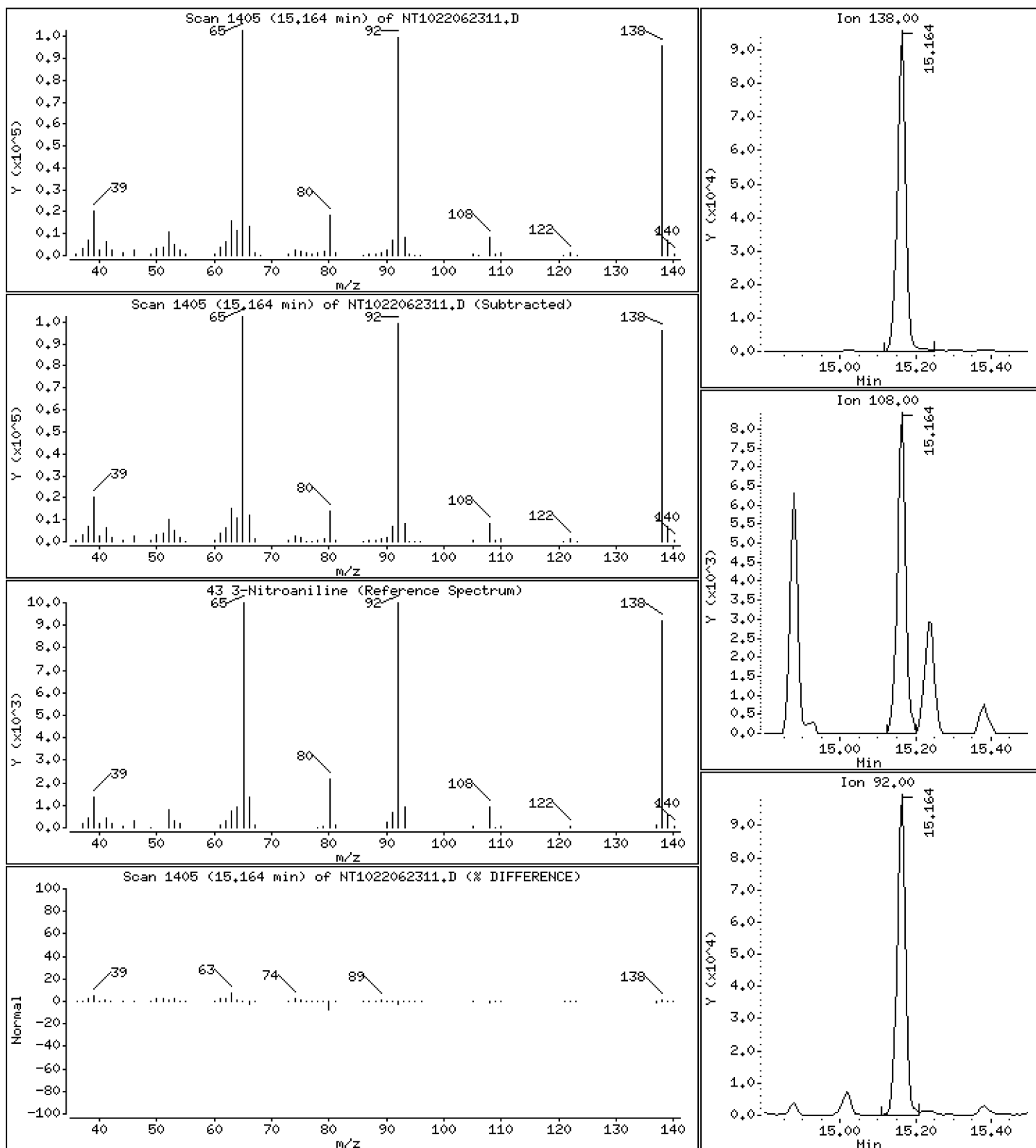
Operator: VTS

Column phase: ZB-5msi

Column diameter: 0,25

43 3-Nitroaniline

Concentration: 5,379 ug/mL



Date : 23-JUN-2022 15:20

Client ID:

Instrument: nt10.i

Sample Info: SKF0270-SCV1

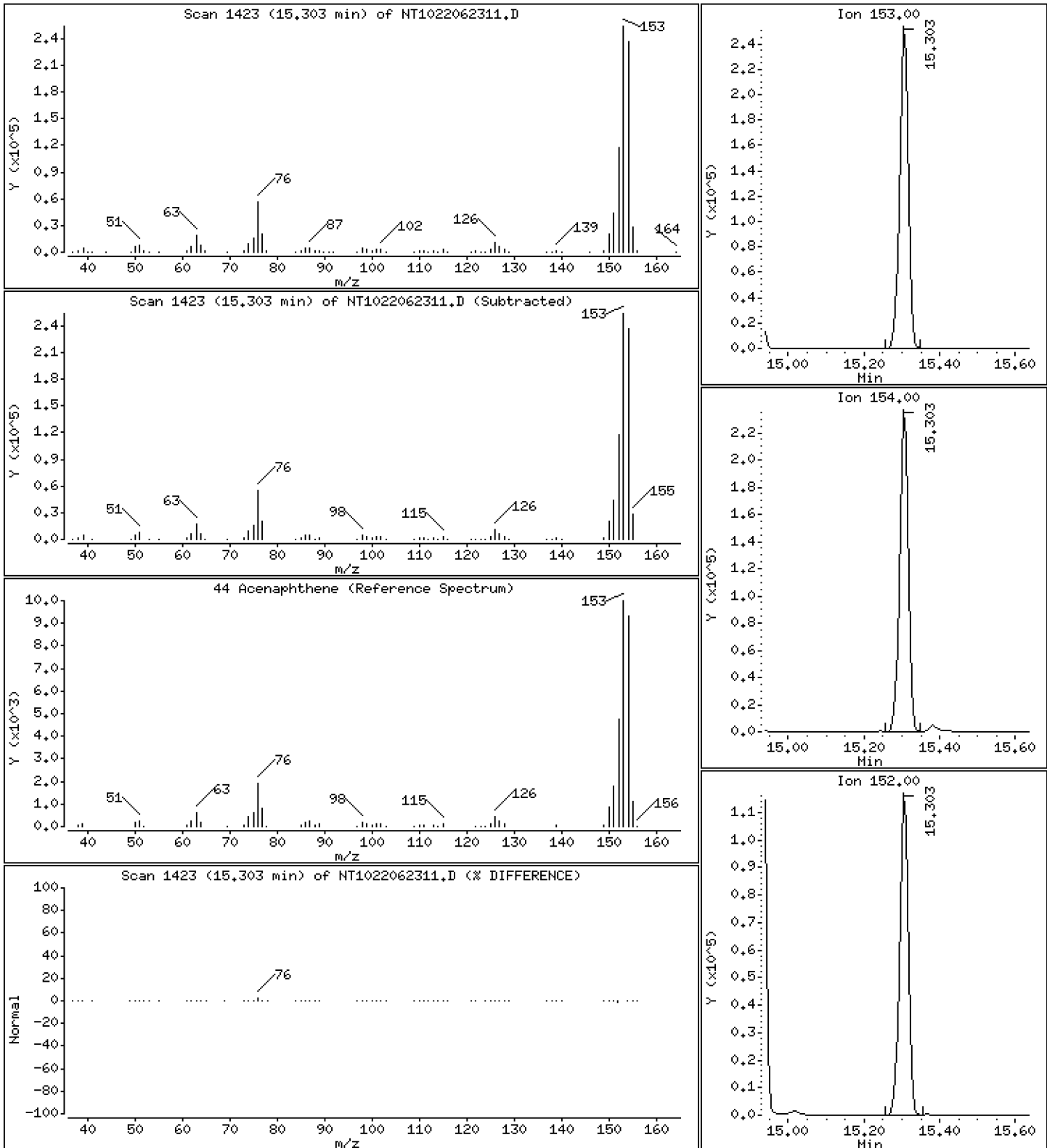
Operator: VTS

Column phase: ZB-5msi

Column diameter: 0,25

44 Acenaphthene

Concentration: 4,939 ug/mL



Date : 23-JUN-2022 15:20

Client ID:

Instrument: nt10.i

Sample Info: SKF0270-SCV1

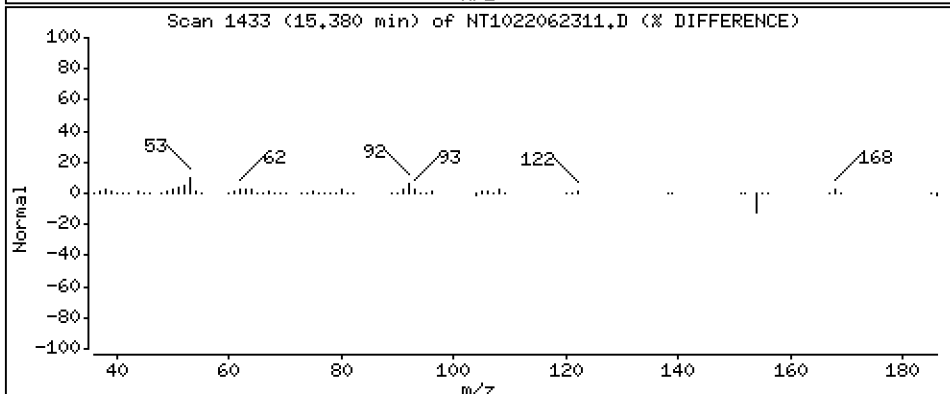
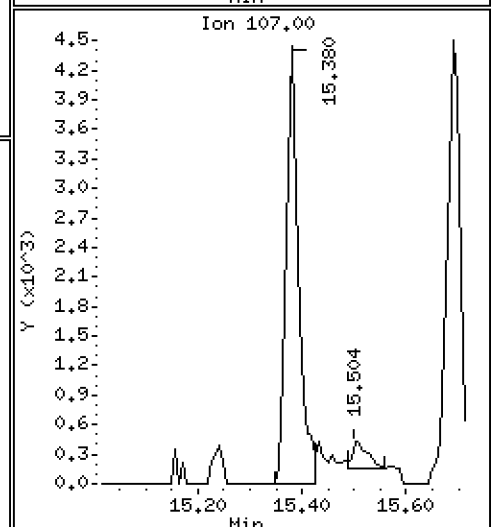
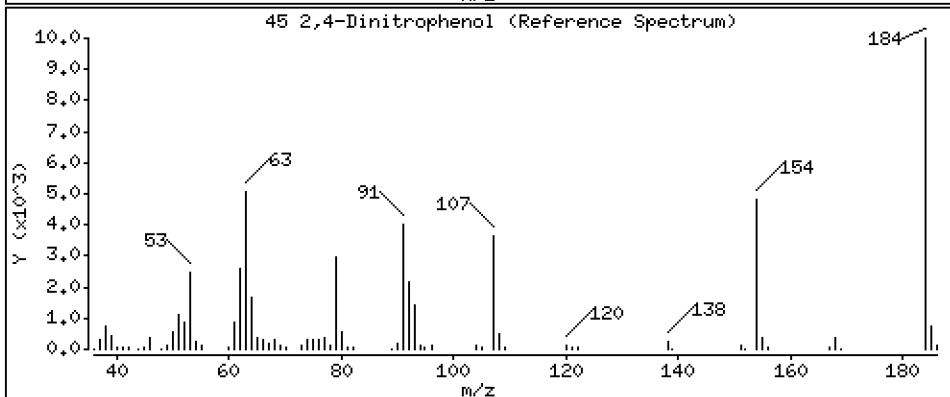
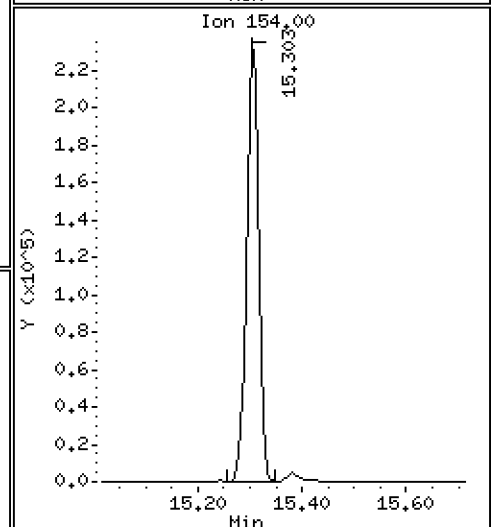
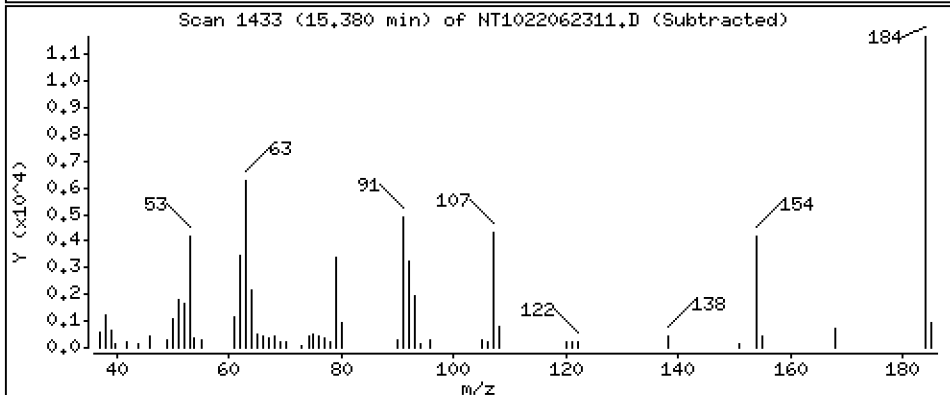
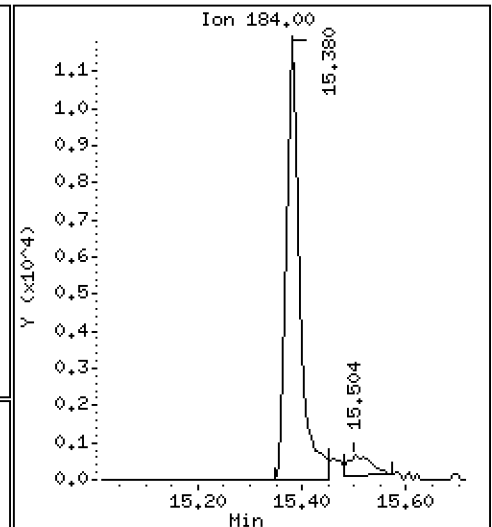
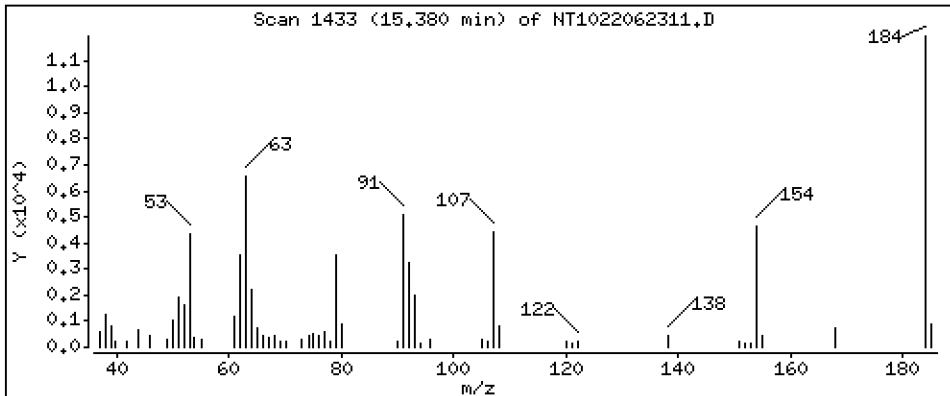
Operator: VTS

Column phase: ZB-5msi

Column diameter: 0,25

45 2,4-Dinitrophenol

Concentration: 2,023 ug/mL



Date : 23-JUN-2022 15:20

Client ID:

Instrument: nt10.i

Sample Info: SKF0270-SCV1

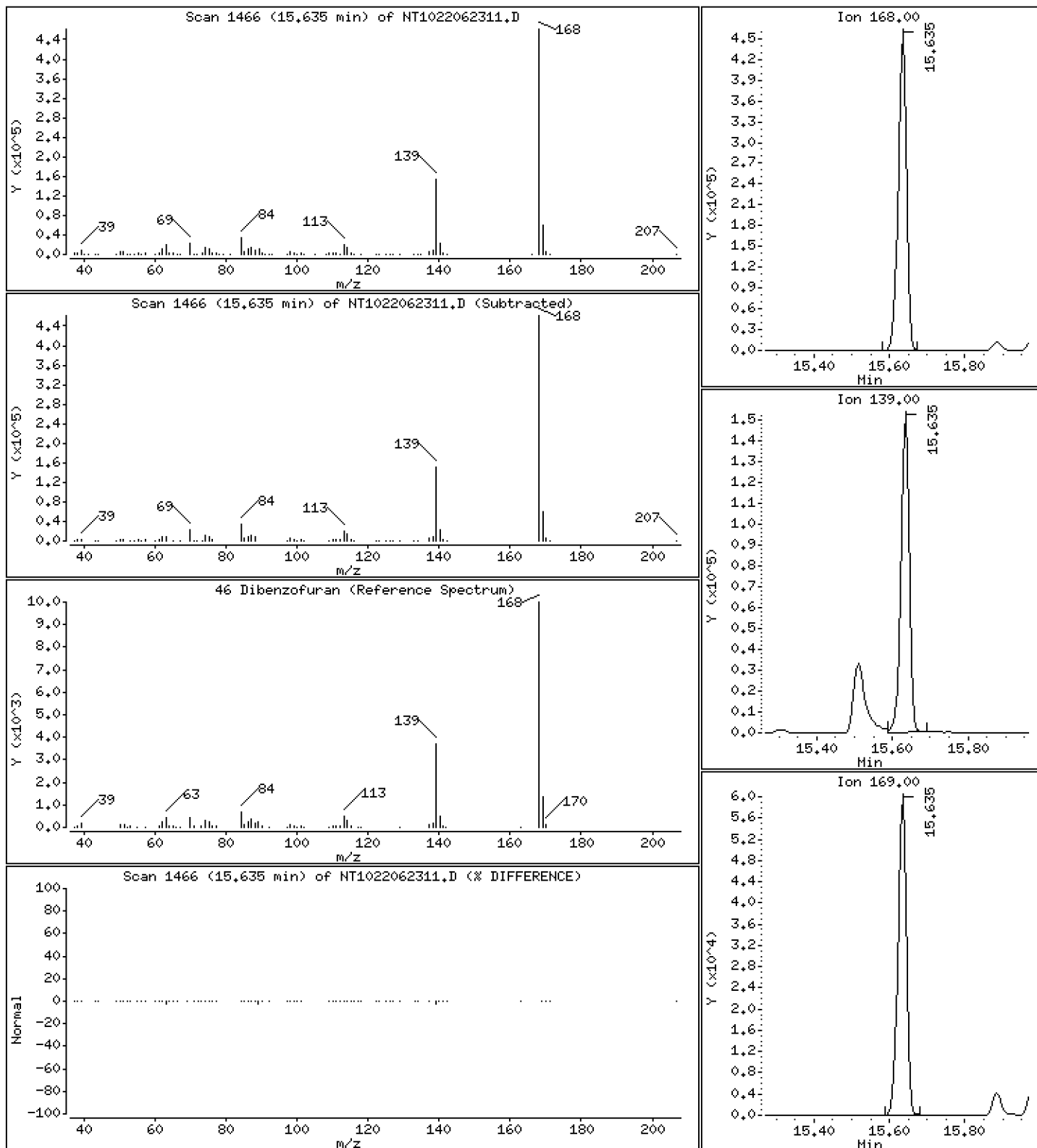
Operator: VTS

Column phase: ZB-5msi

Column diameter: 0,25

46 Dibenzofuran

Concentration: 5,340 ug/mL



Date : 23-JUN-2022 15:20

Client ID:

Instrument: nt10.i

Sample Info: SKF0270-SCV1

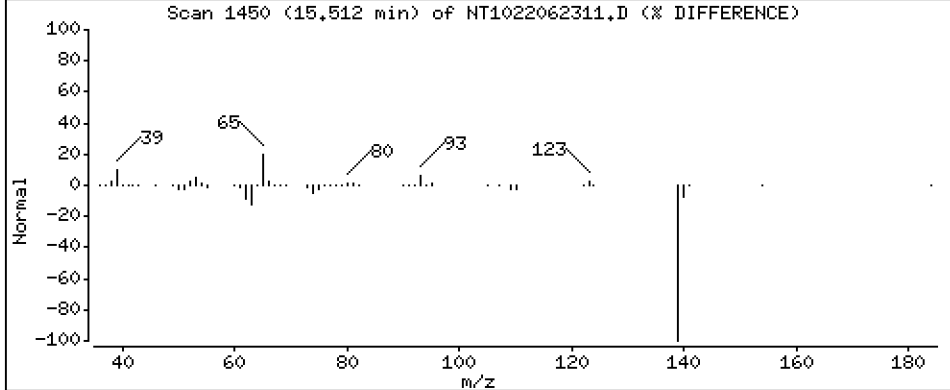
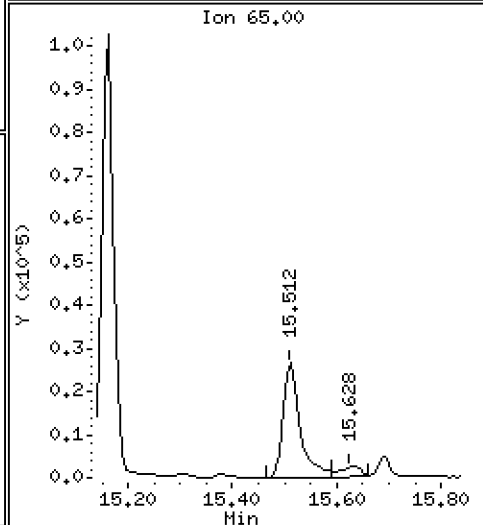
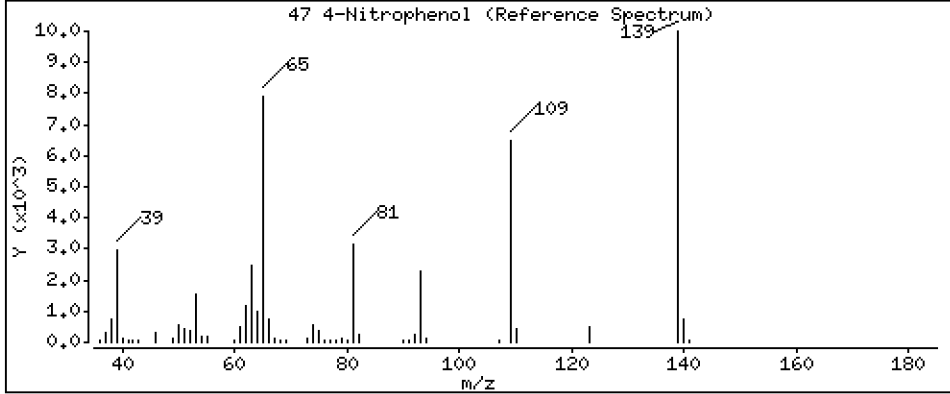
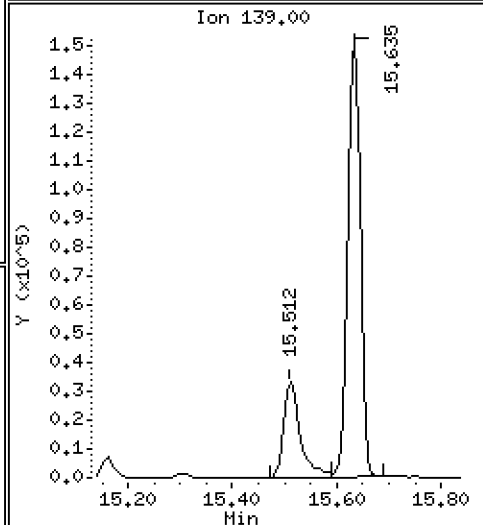
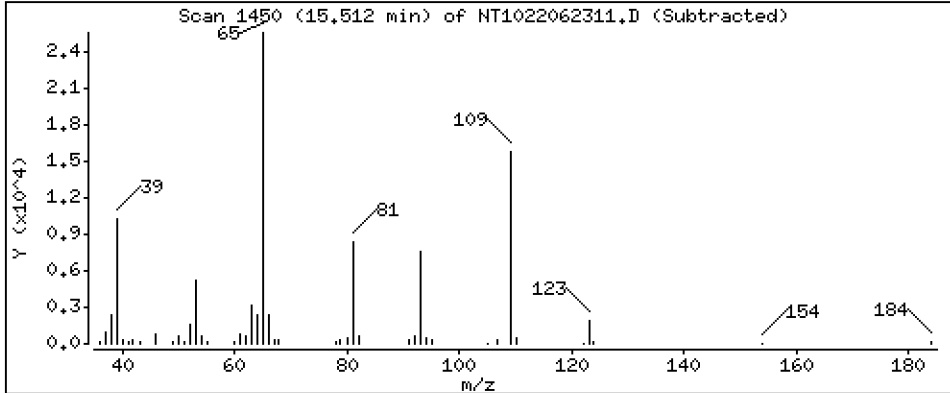
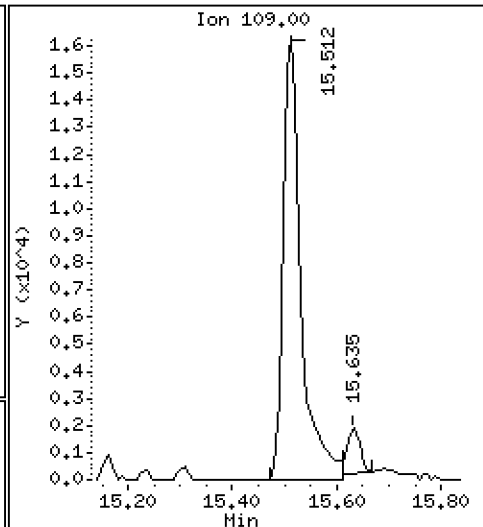
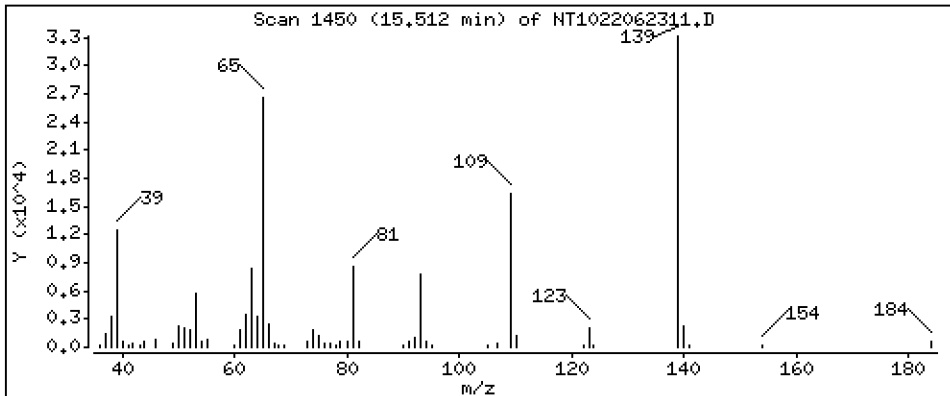
Operator: VTS

Column phase: ZB-5msi

Column diameter: 0,25

47 4-Nitrophenol

Concentration: 4,435 ug/mL



Date : 23-JUN-2022 15:20

Client ID:

Instrument: nt10.i

Sample Info: SKF0270-SCV1

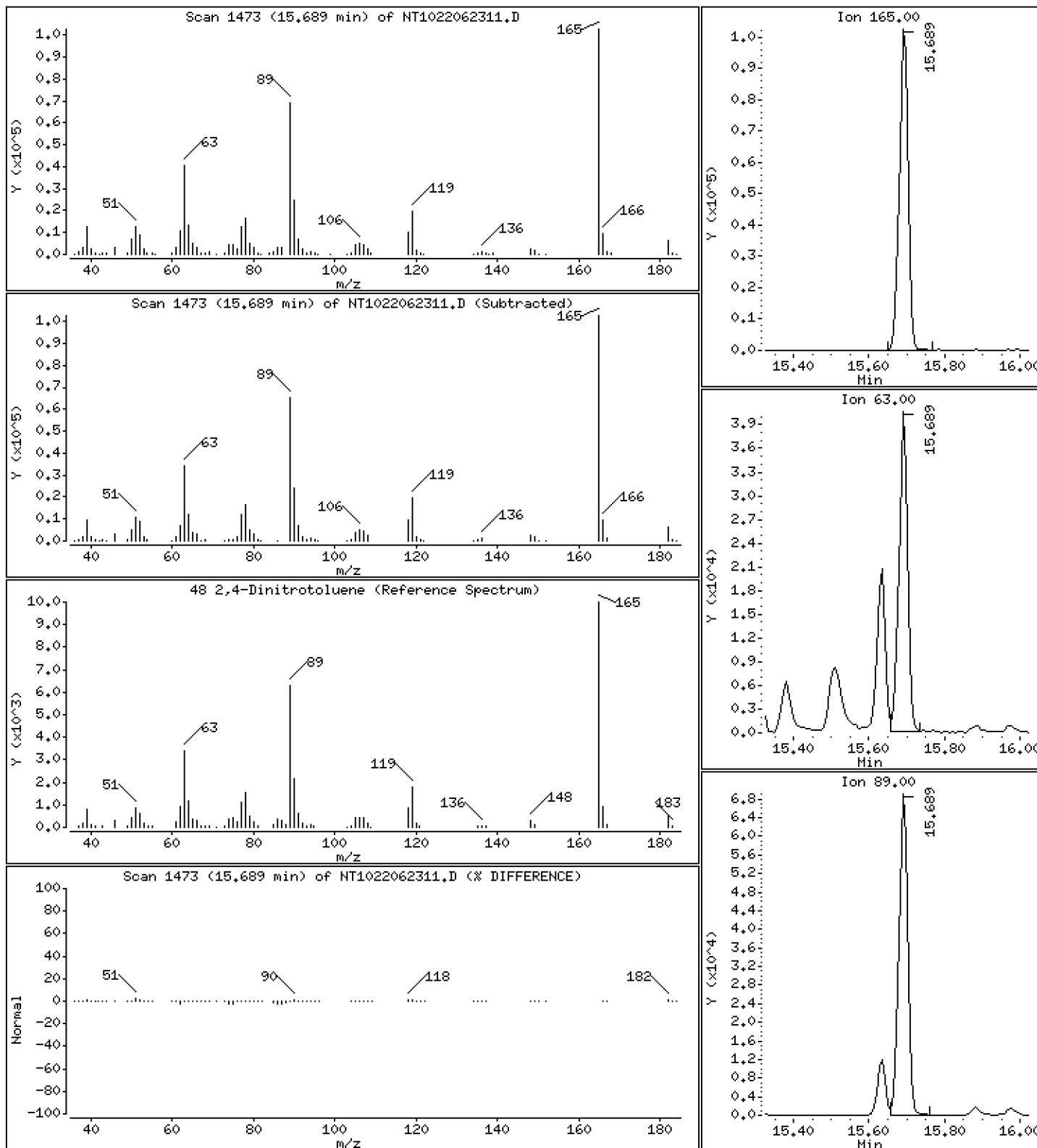
Operator: VTS

Column phase: ZB-5msi

Column diameter: 0,25

48 2,4-Dinitrotoluene

Concentration: 5,308 ug/mL



Date : 23-JUN-2022 15:20

Client ID:

Instrument: nt10.i

Sample Info: SKF0270-SCV1

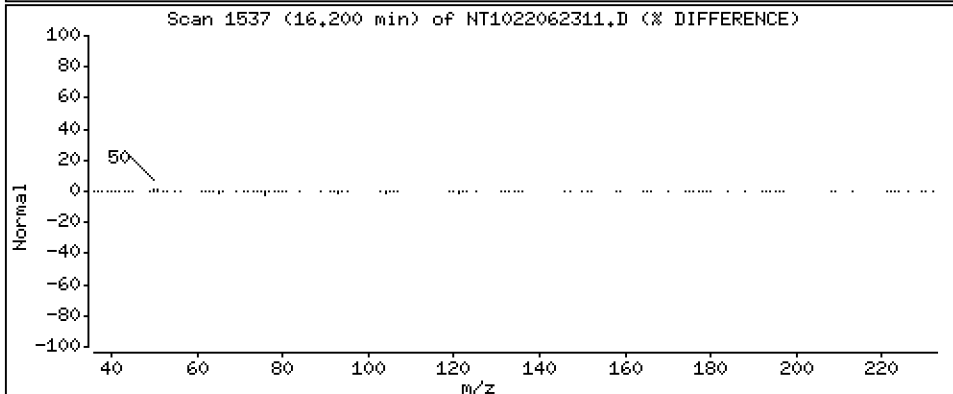
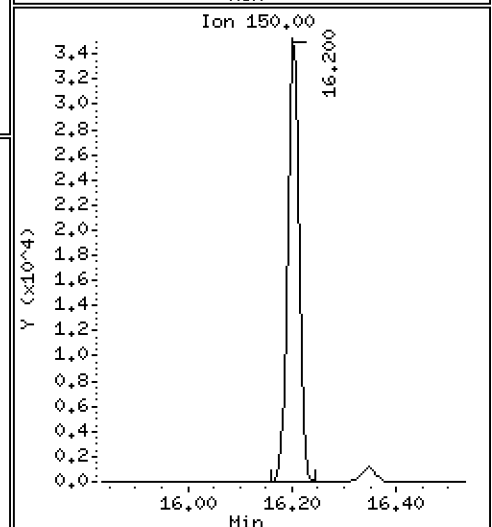
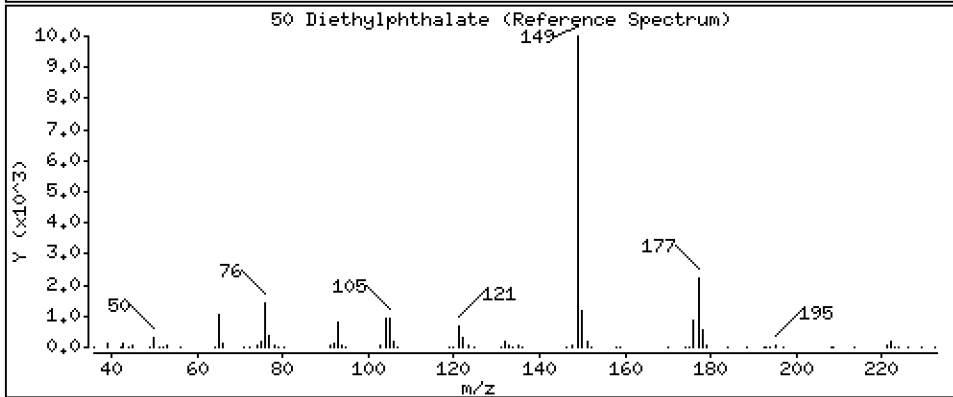
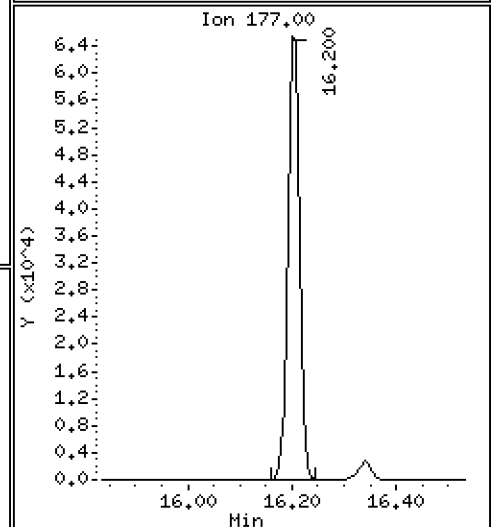
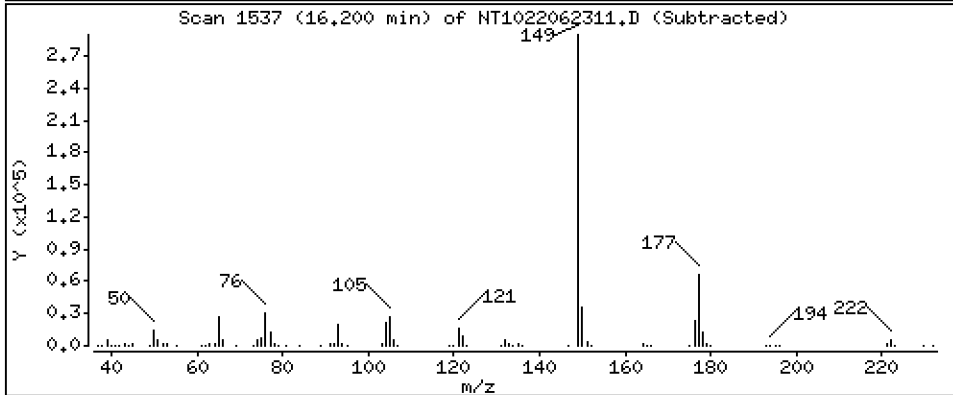
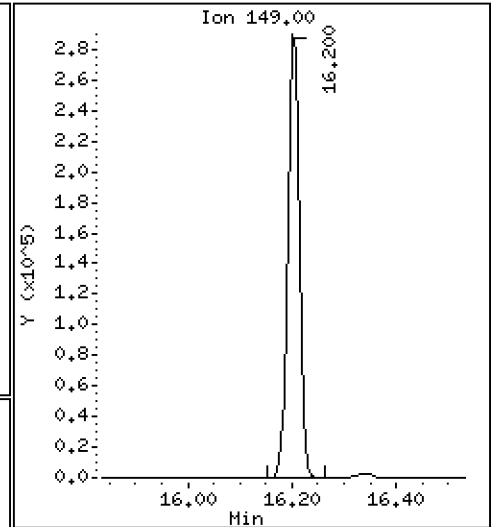
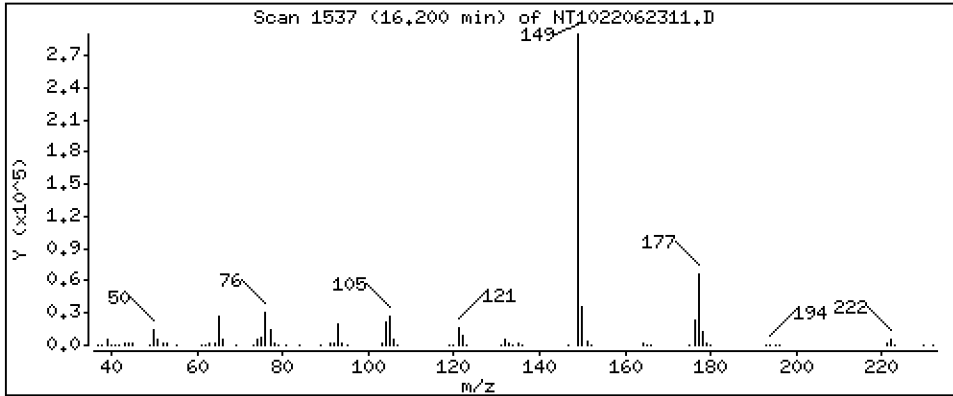
Operator: VTS

Column phase: ZB-5msi

Column diameter: 0,25

50 Diethylphthalate

Concentration: 5,372 ug/mL



Date : 23-JUN-2022 15:20

Client ID:

Instrument: nt10.i

Sample Info: SKF0270-SCV1

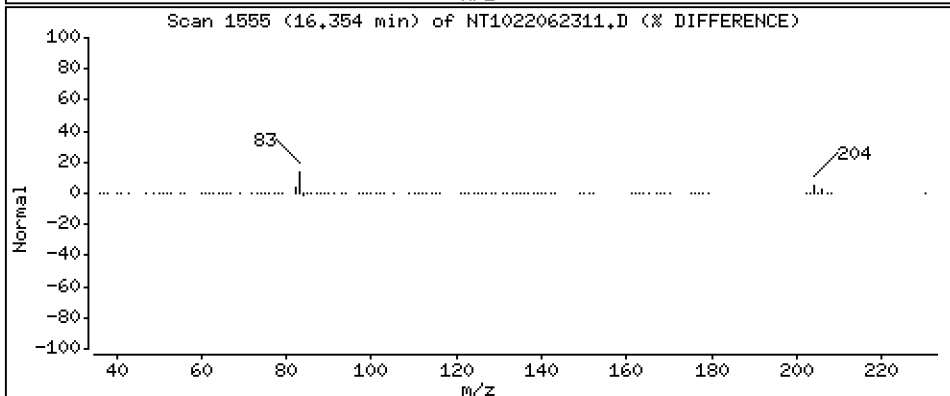
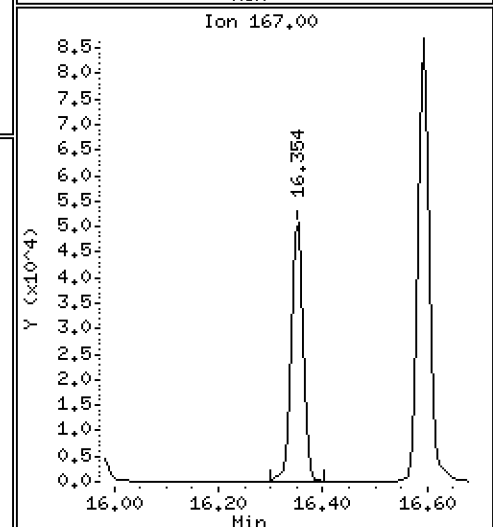
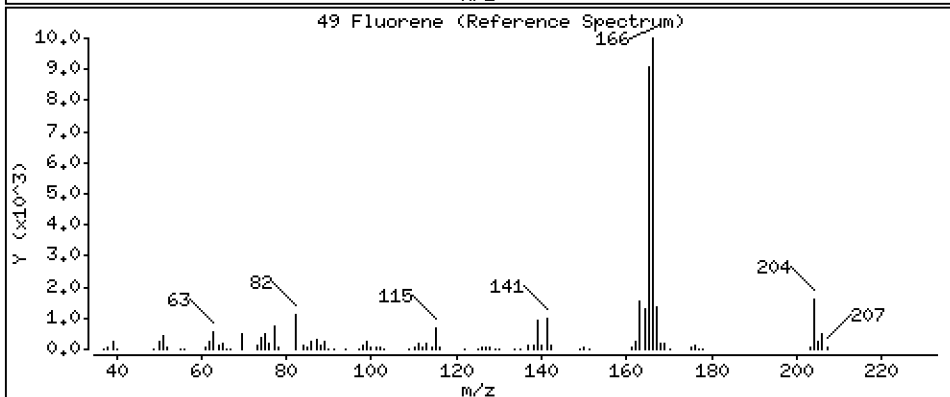
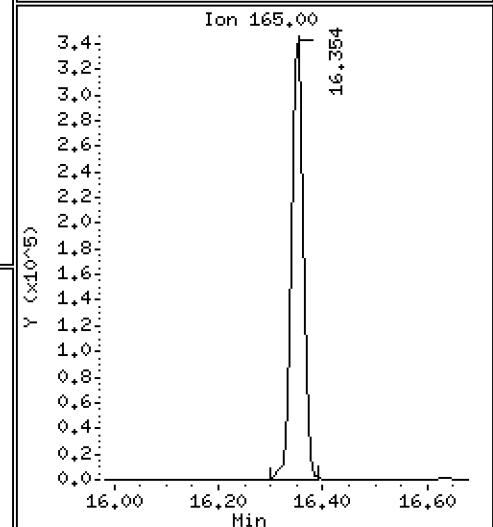
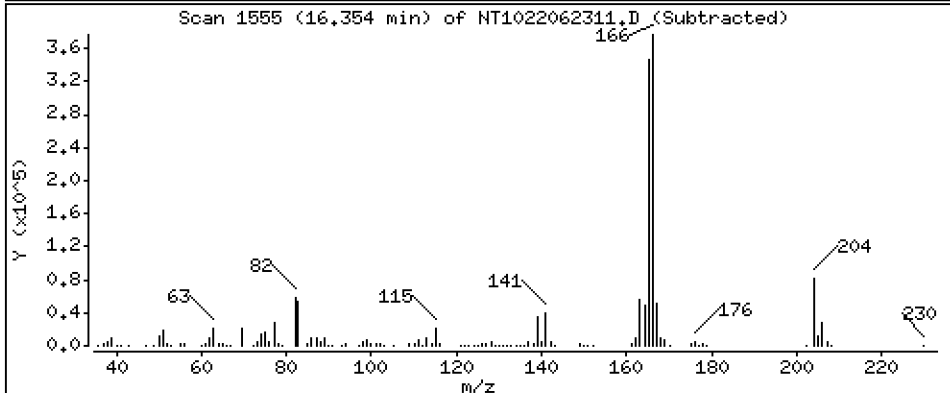
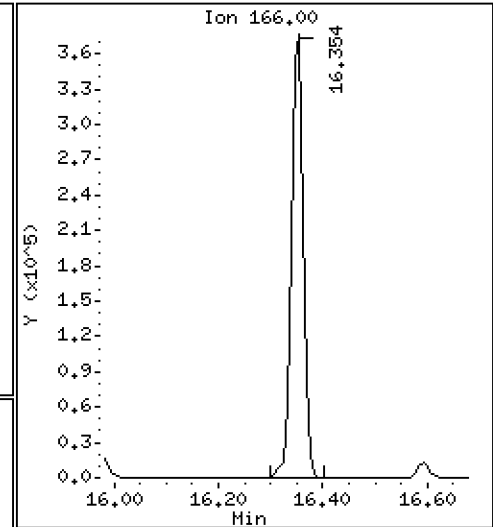
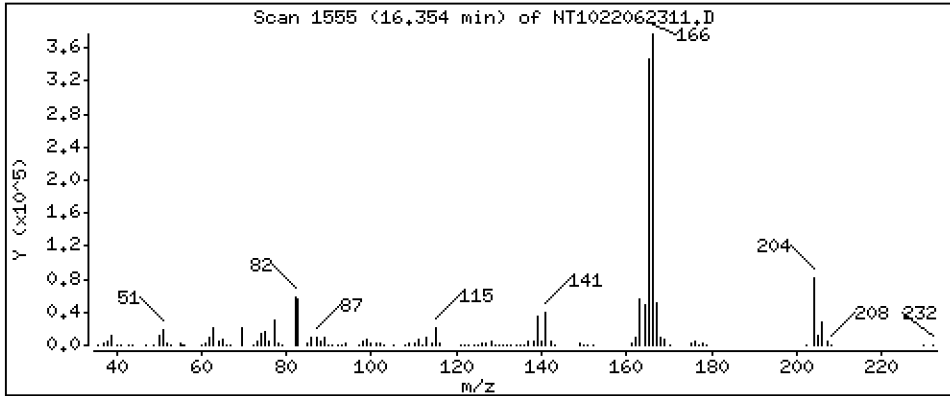
Operator: VTS

Column phase: ZB-5msi

Column diameter: 0,25

49 Fluorene

Concentration: 4,594 ug/mL



Date : 23-JUN-2022 15:20

Client ID:

Instrument: nt10.i

Sample Info: SKF0270-SCV1

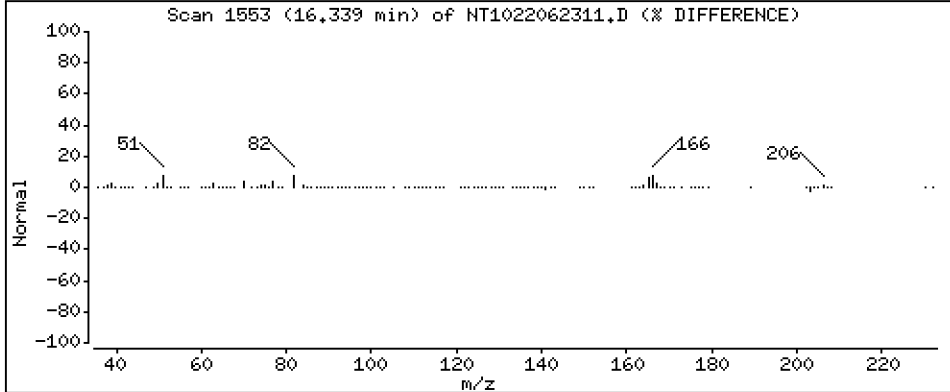
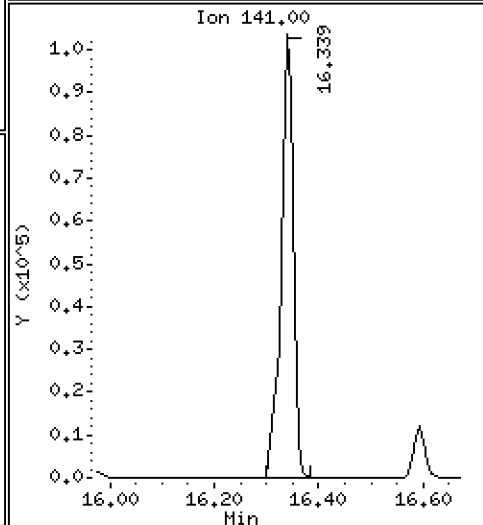
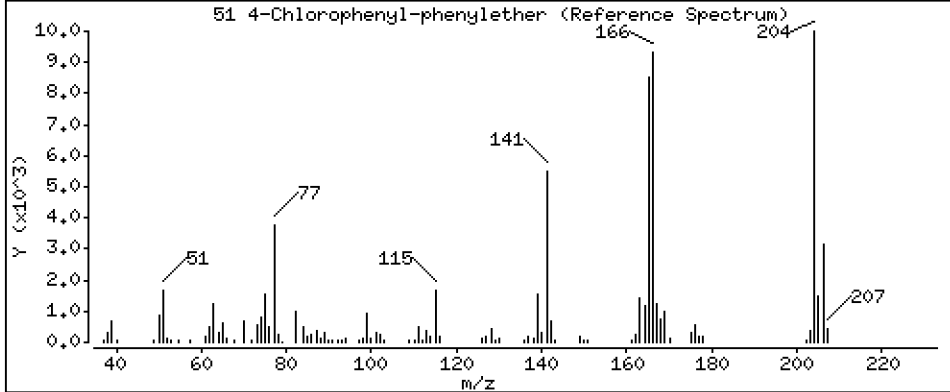
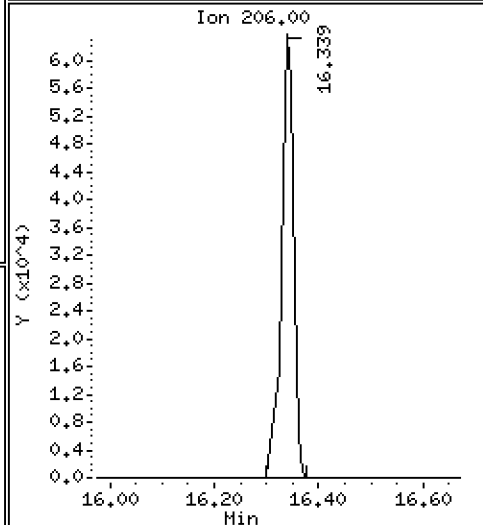
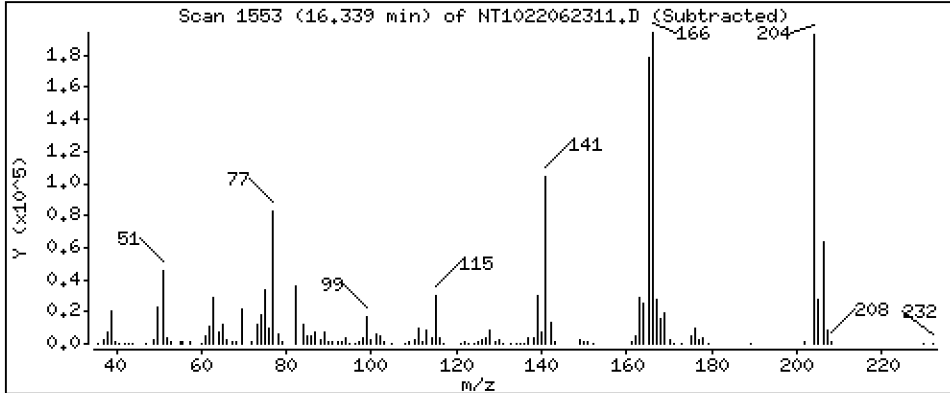
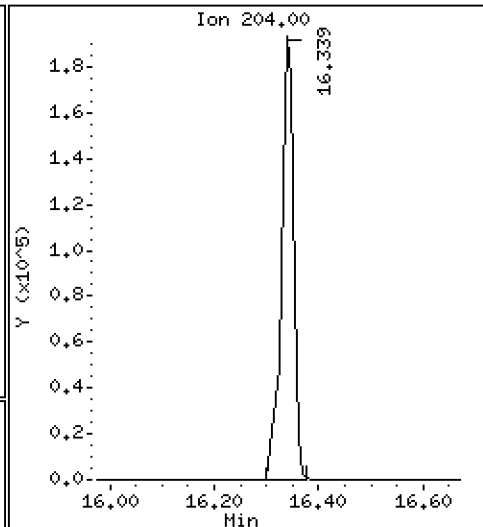
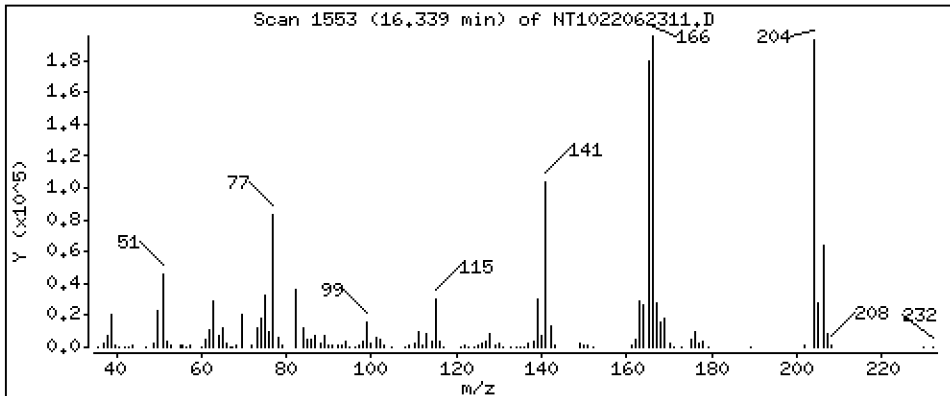
Operator: VTS

Column phase: ZB-5msi

Column diameter: 0,25

51 4-Chlorophenyl-phenylether

Concentration: 5,407 ug/mL



Date : 23-JUN-2022 15:20

Client ID:

Instrument: nt10.i

Sample Info: SKF0270-SCV1

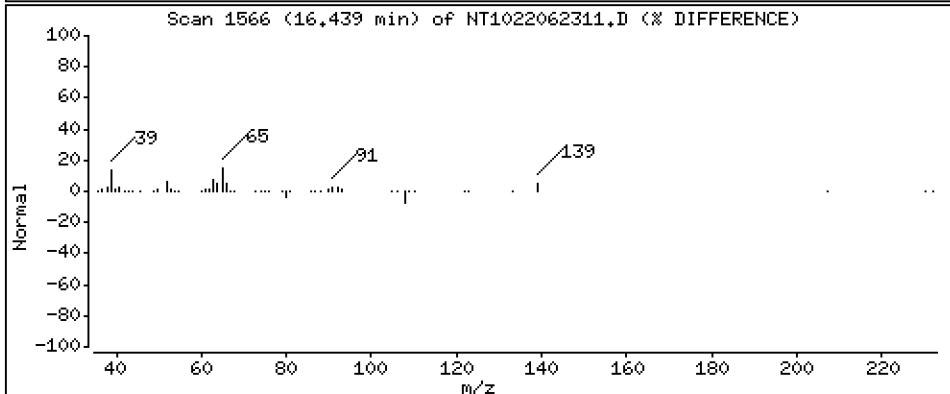
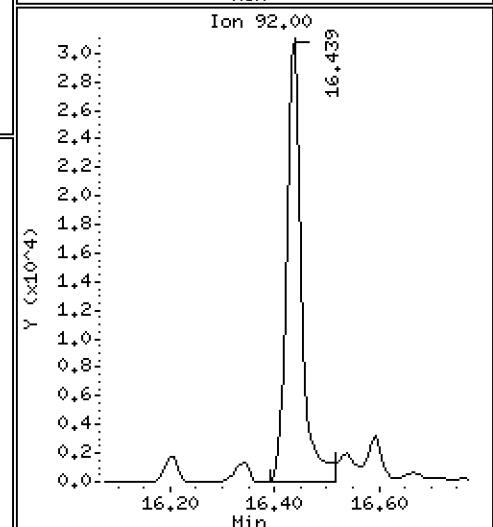
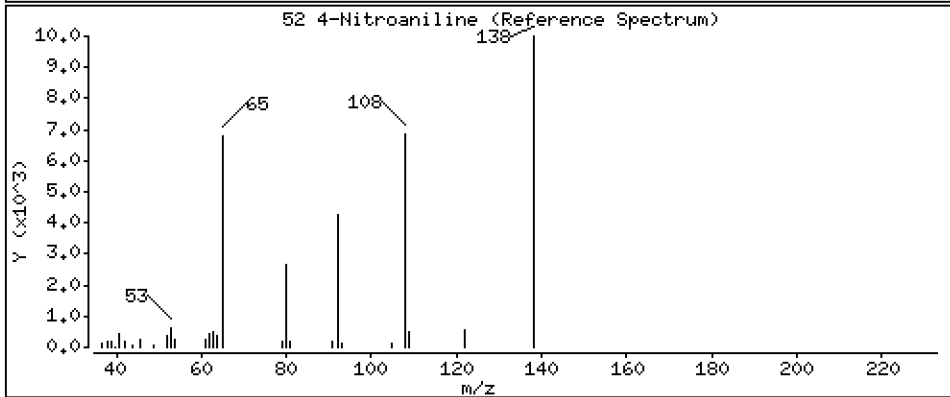
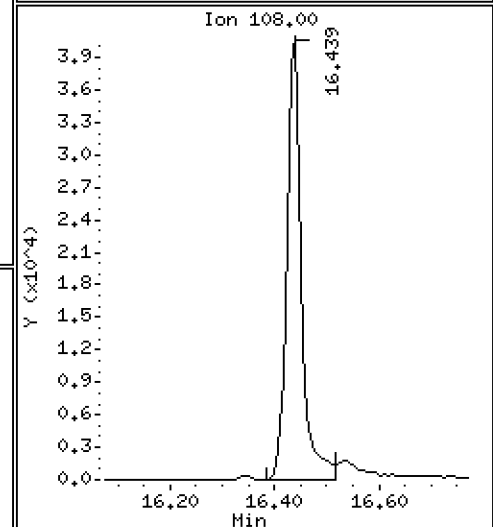
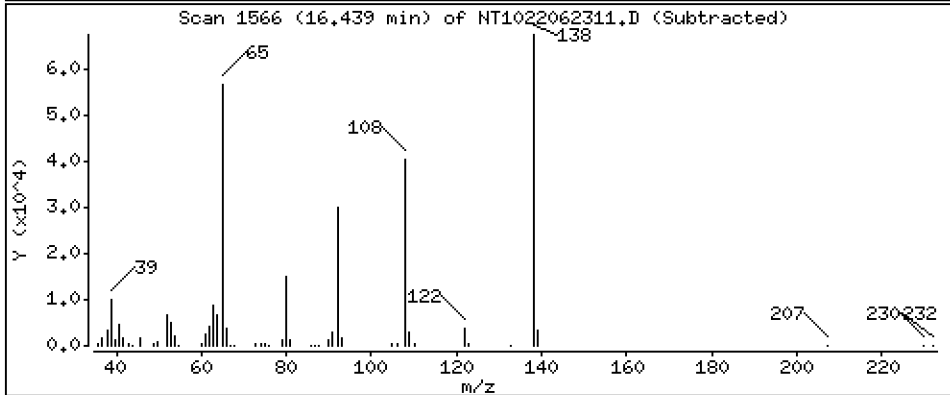
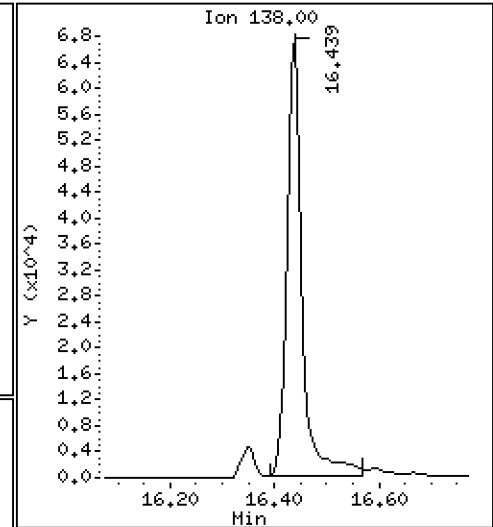
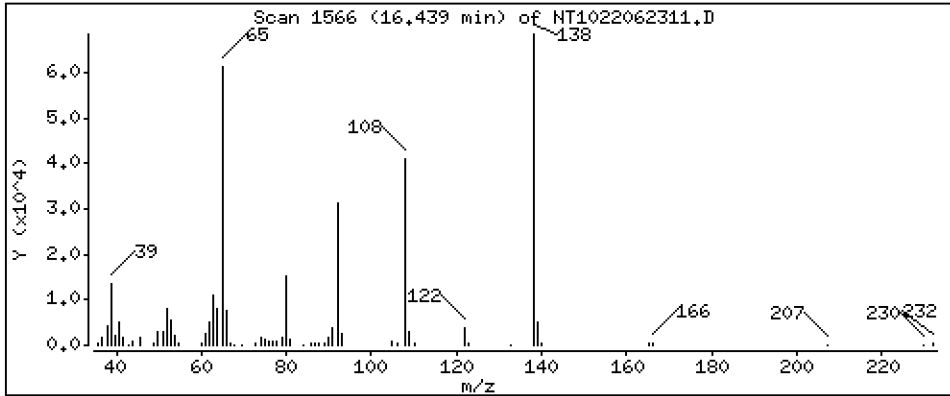
Operator: VTS

Column phase: ZB-5msi

Column diameter: 0,25

52 4-Nitroaniline

Concentration: 5,094 ug/mL



Date : 23-JUN-2022 15:20

Client ID:

Instrument: nt10.i

Sample Info: SKF0270-SCV1

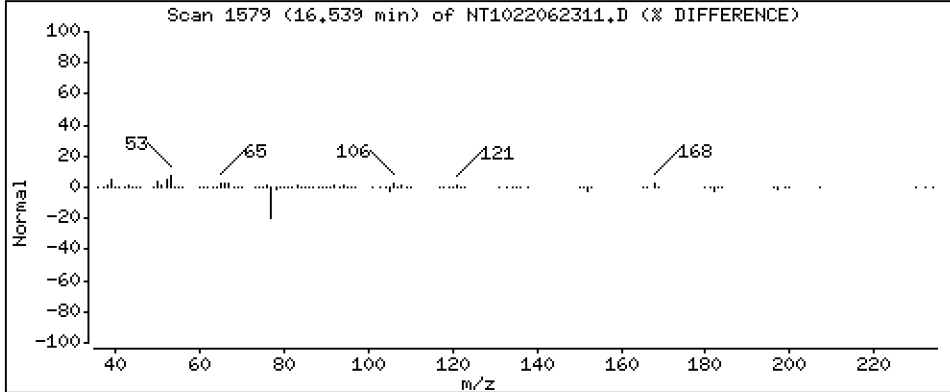
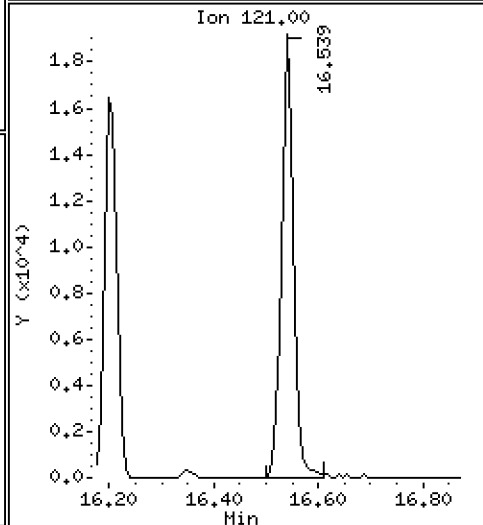
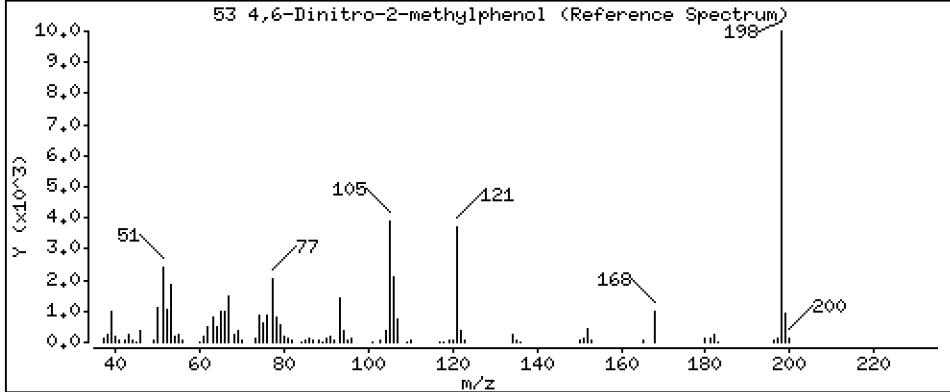
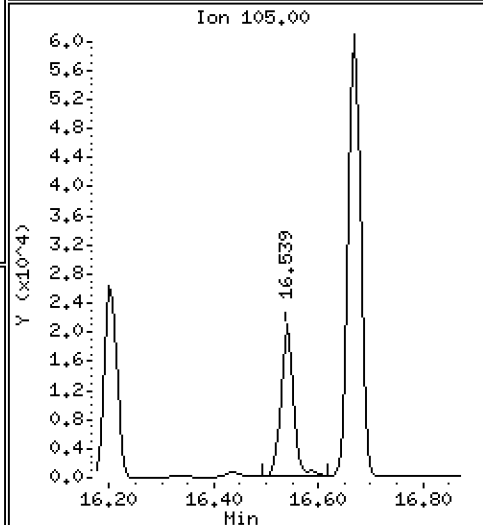
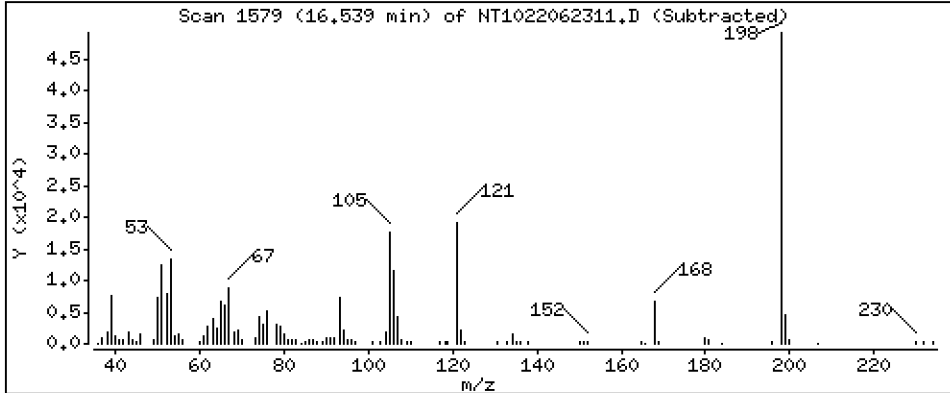
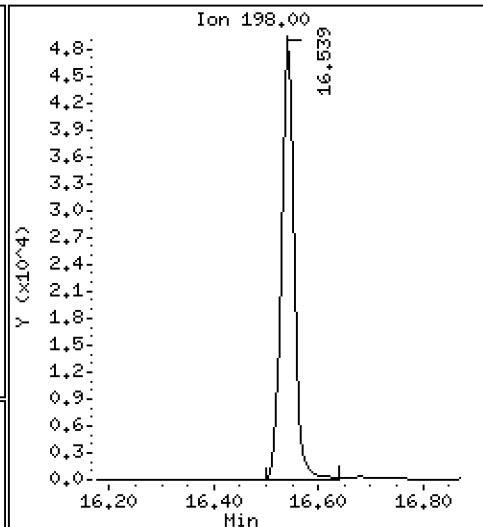
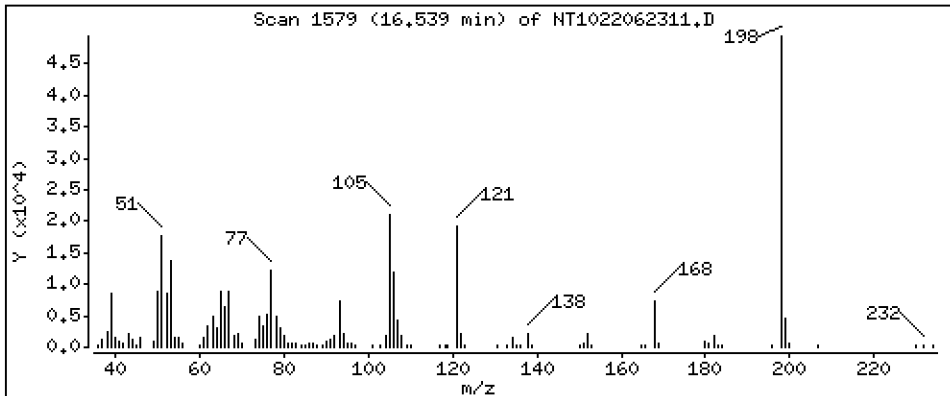
Operator: VTS

Column phase: ZB-5msi

Column diameter: 0.25

53 4,6-Dinitro-2-methylphenol

Concentration: 4.314 ug/mL



Date : 23-JUN-2022 15:20

Client ID:

Instrument: nt10.i

Sample Info: SKF0270-SCV1

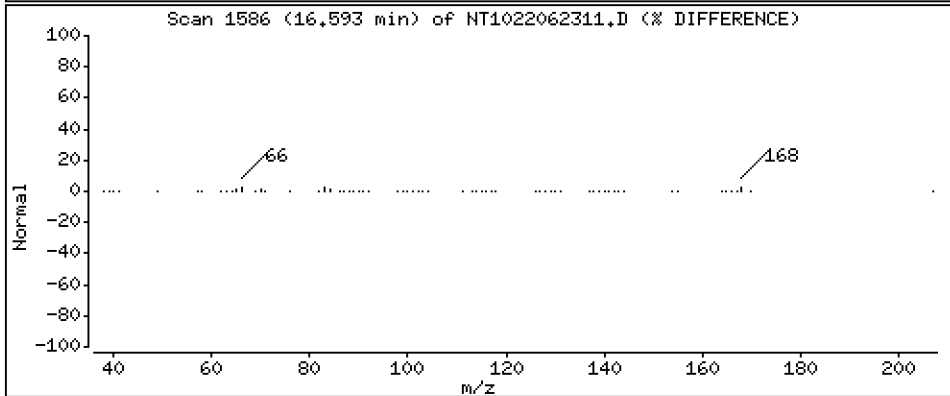
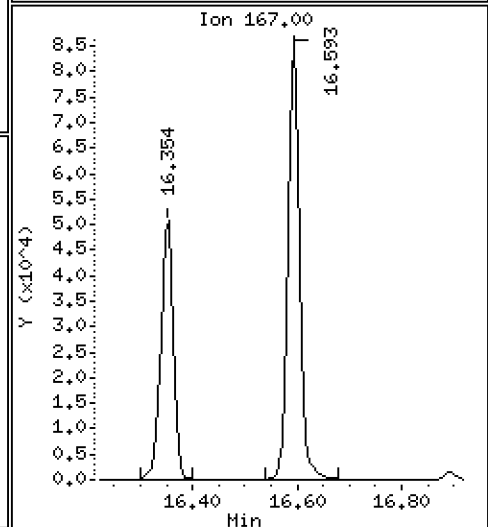
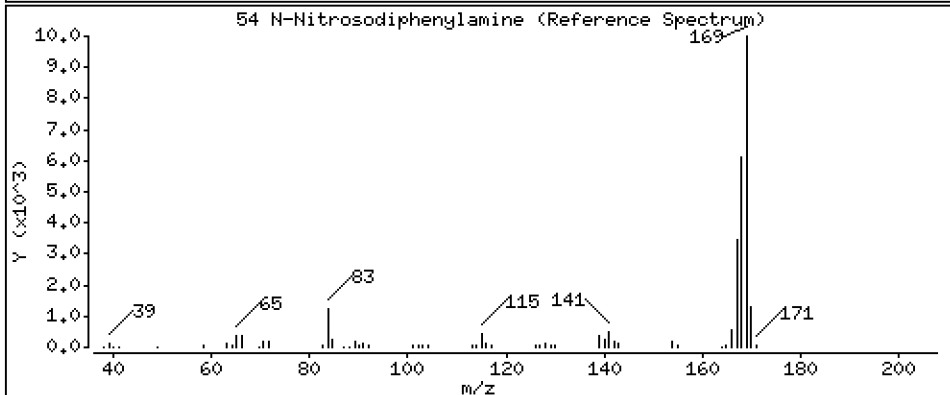
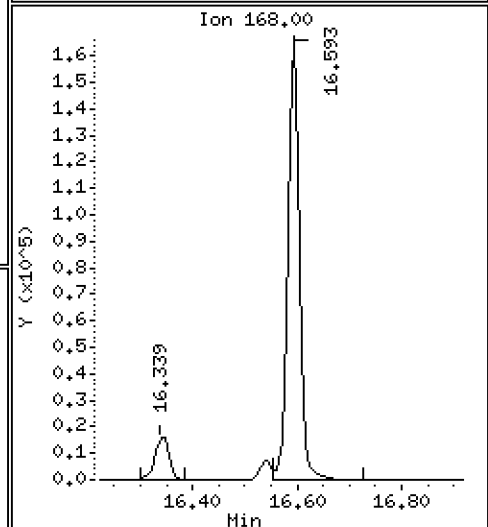
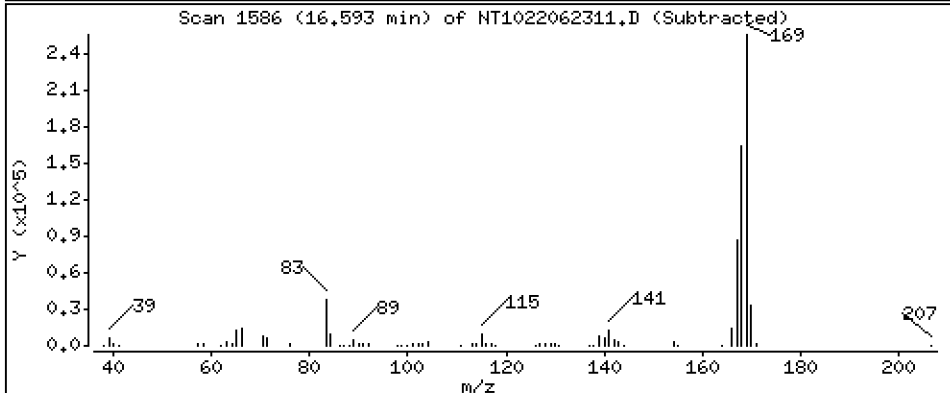
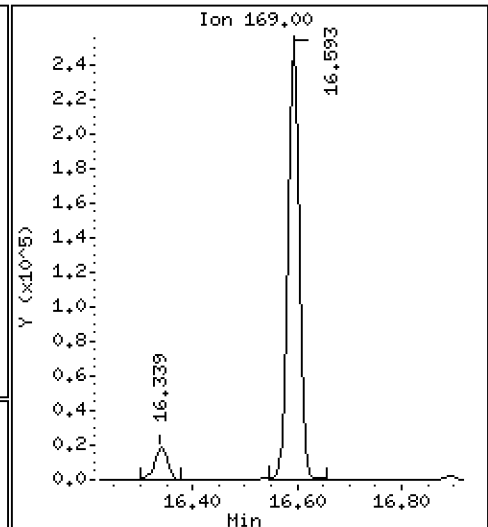
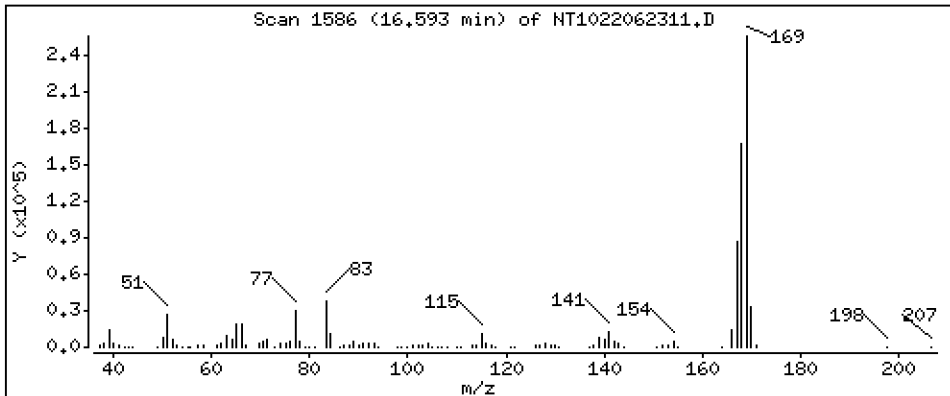
Operator: VTS

Column phase: ZB-5msi

Column diameter: 0,25

54 N-Nitrosodiphenylamine

Concentration: 4,983 ug/mL



Date : 23-JUN-2022 15:20

Client ID:

Instrument: nt10.i

Sample Info: SKF0270-SCV1

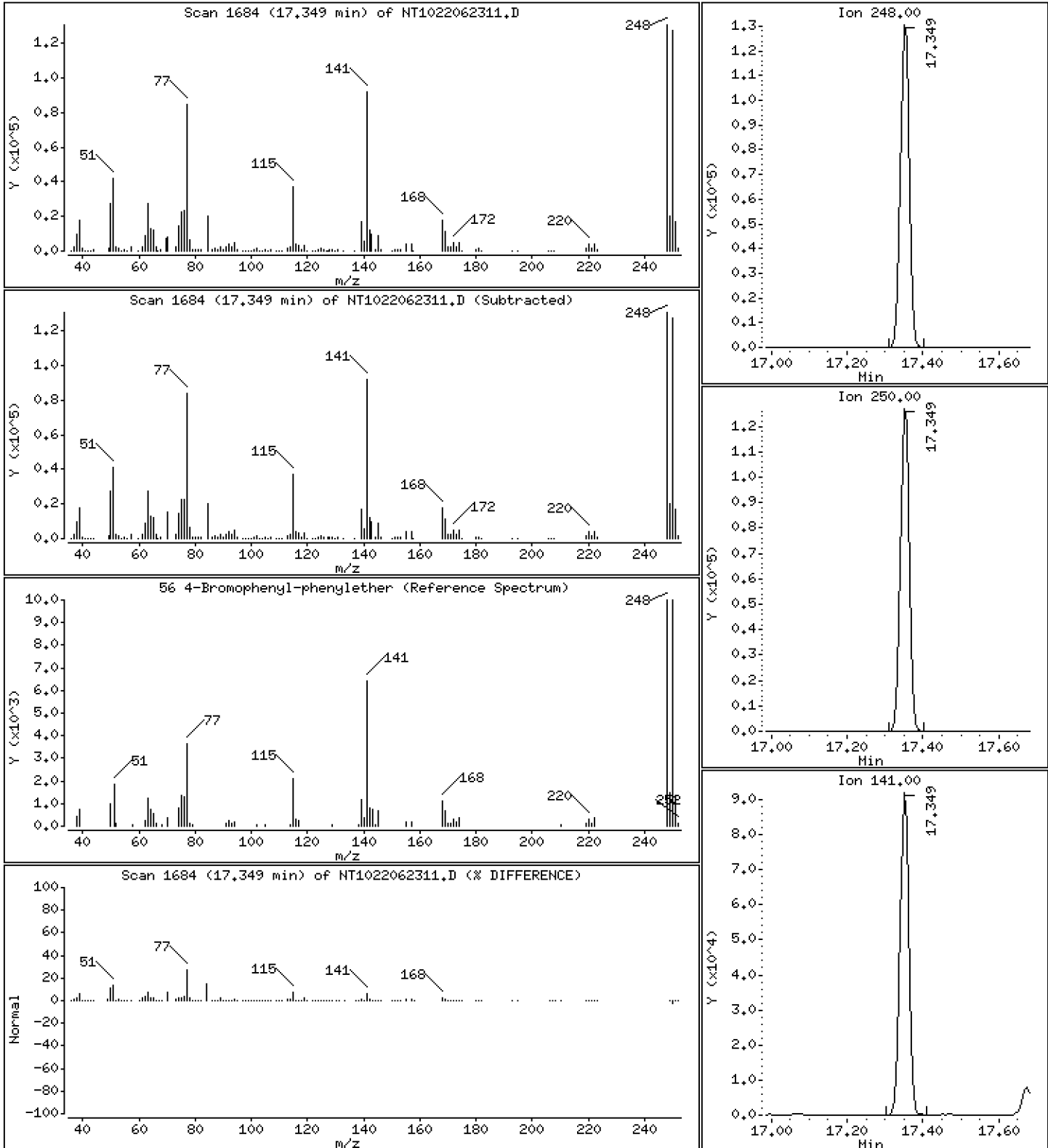
Operator: VTS

Column phase: ZB-5msi

Column diameter: 0,25

56 4-Bromophenyl-phenylether

Concentration: 5,456 ug/mL



Date : 23-JUN-2022 15:20

Client ID:

Instrument: nt10.i

Sample Info: SKF0270-SCV1

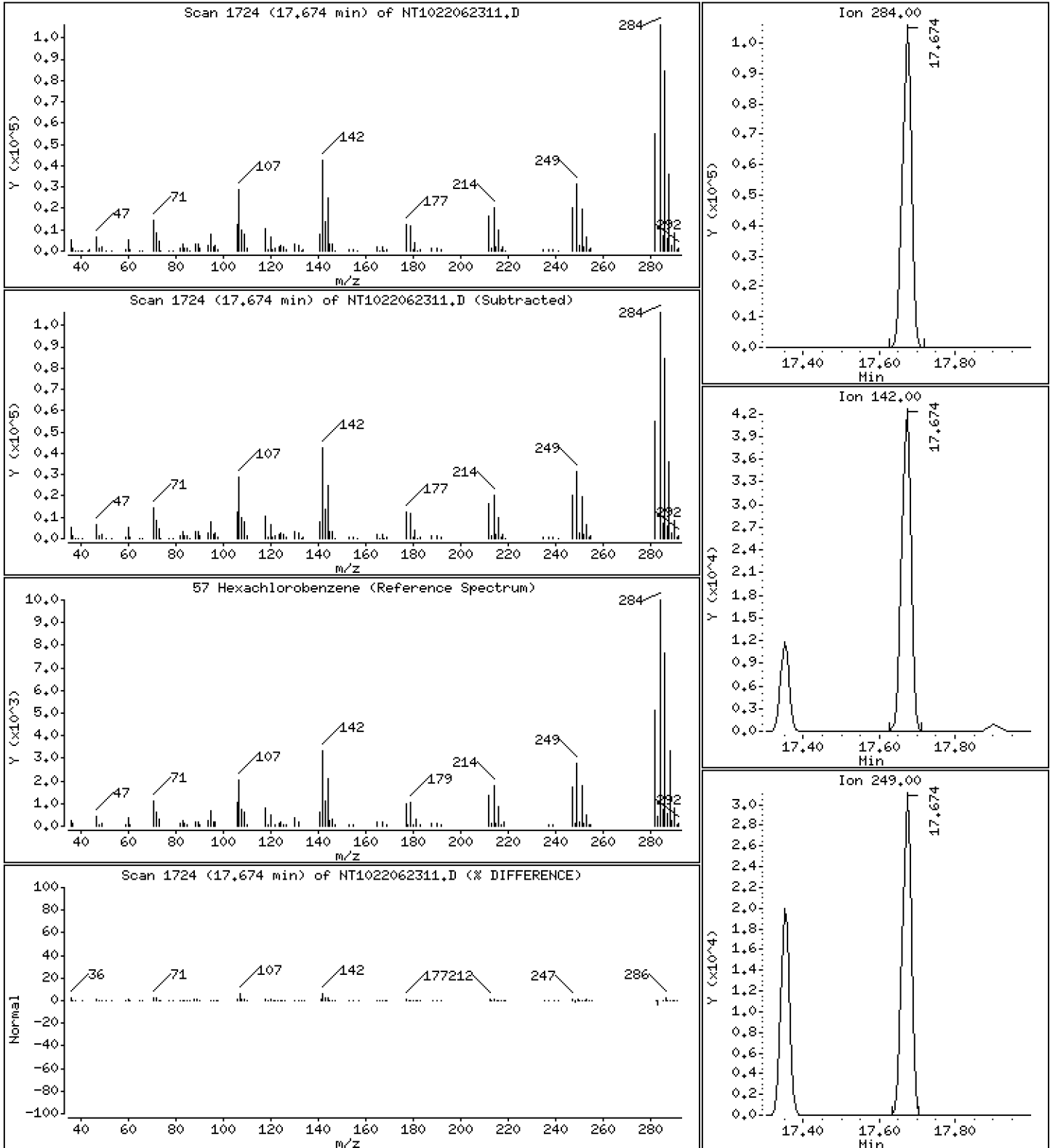
Operator: VTS

Column phase: ZB-5msi

Column diameter: 0,25

57 Hexachlorobenzene

Concentration: 5,114 ug/mL



Date : 23-JUN-2022 15:20

Client ID:

Instrument: nt10.i

Sample Info: SKF0270-SCV1

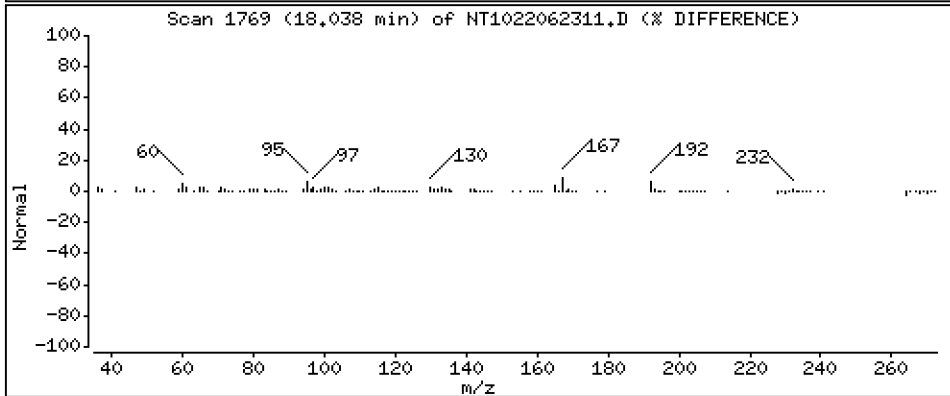
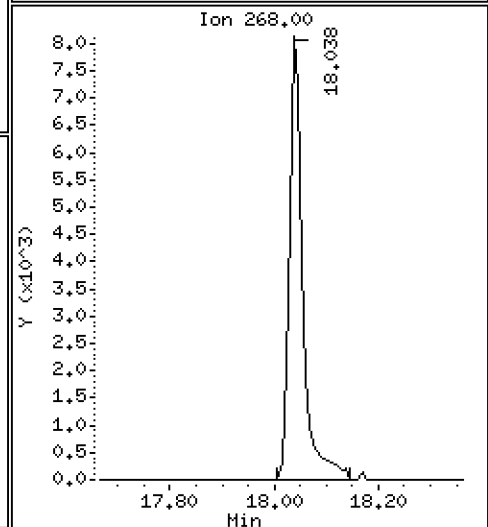
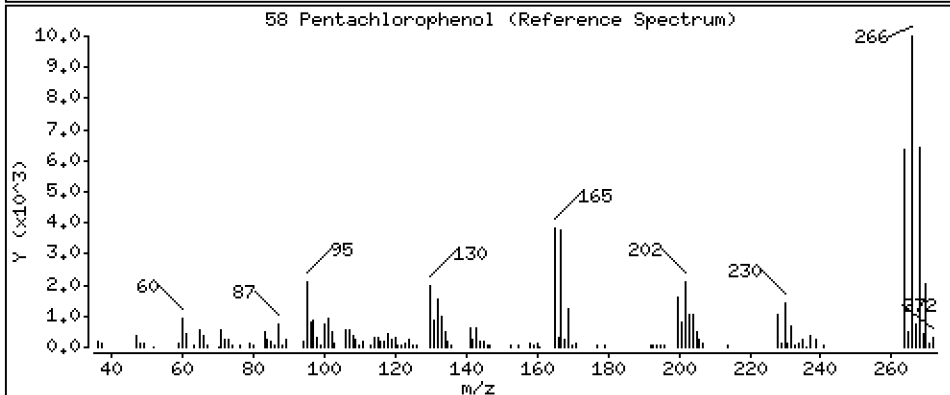
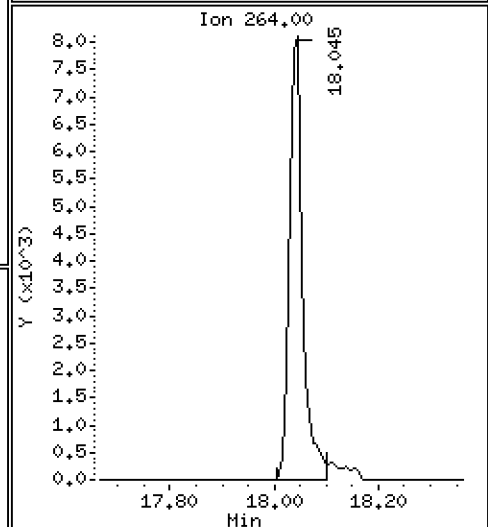
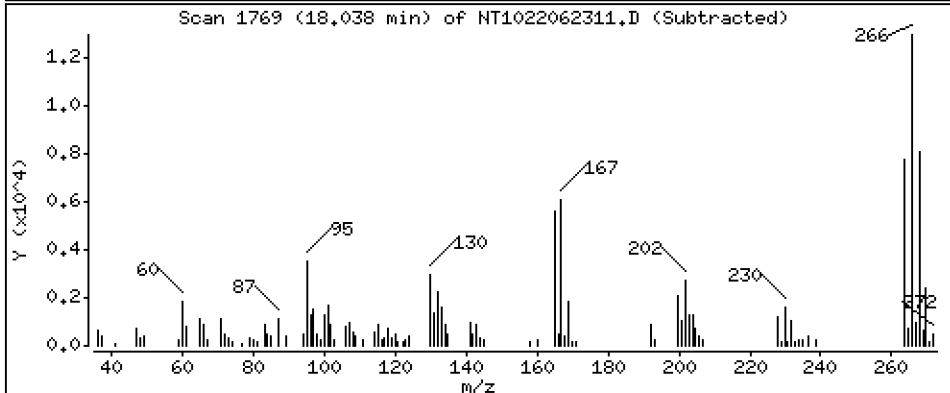
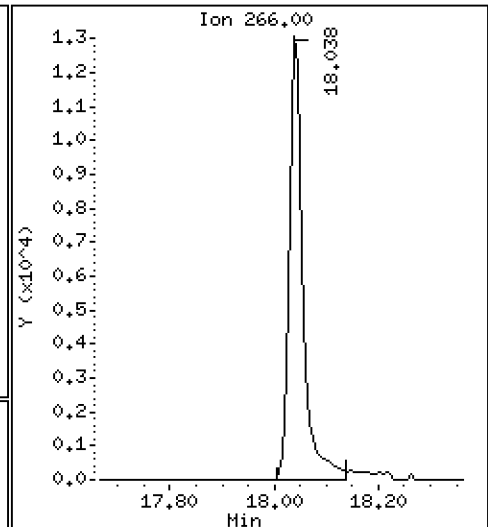
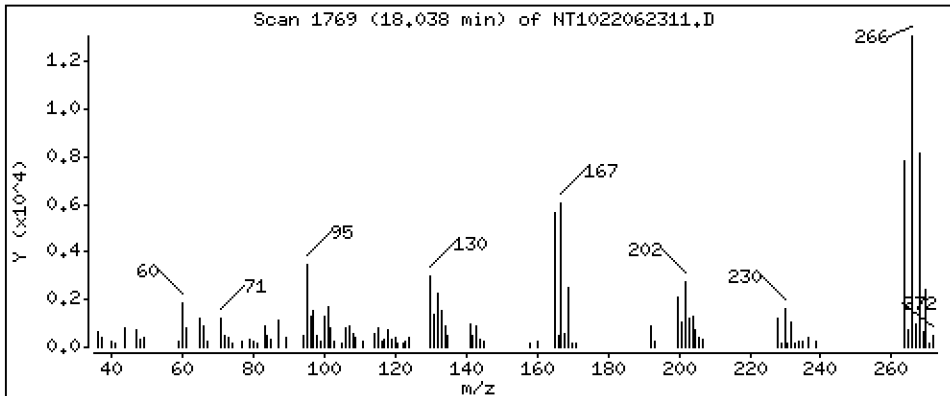
Operator: VTS

Column phase: ZB-5msi

Column diameter: 0,25

58 Pentachlorophenol

Concentration: 3,238 ug/mL



Date : 23-JUN-2022 15:20

Client ID:

Instrument: nt10.i

Sample Info: SKF0270-SCV1

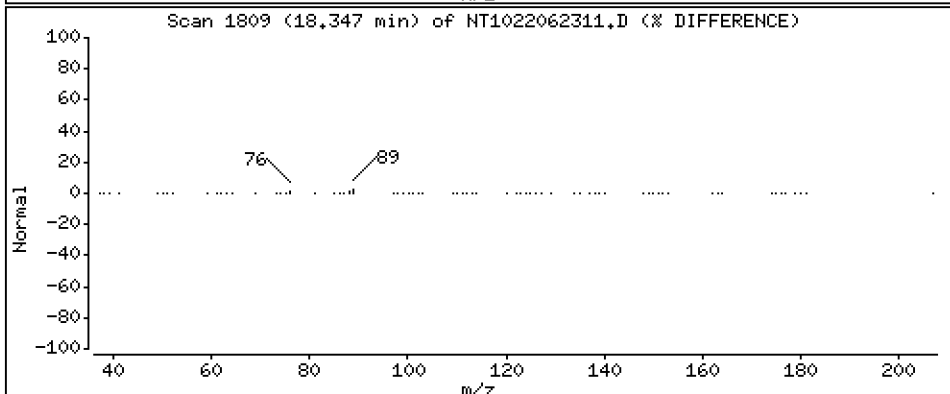
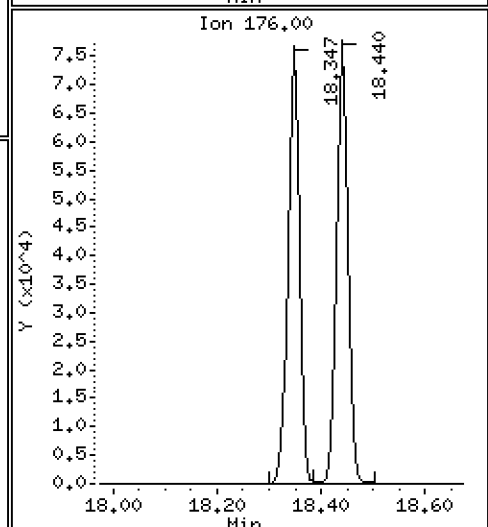
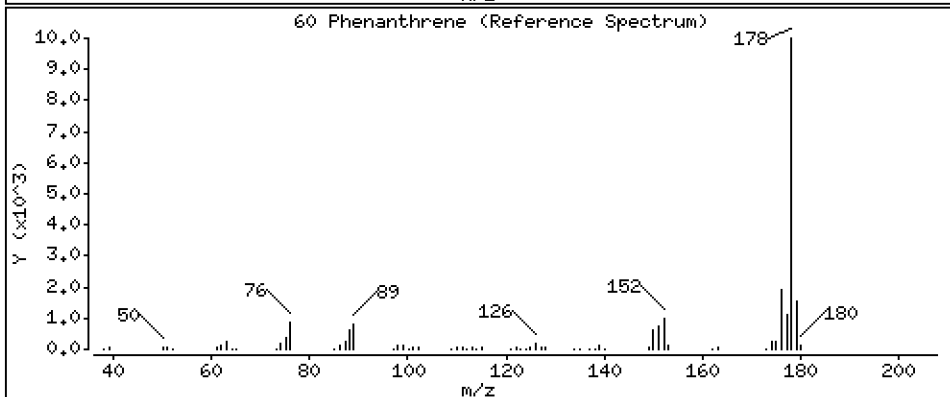
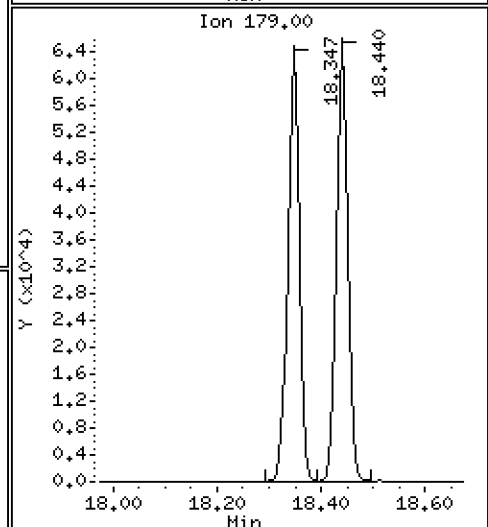
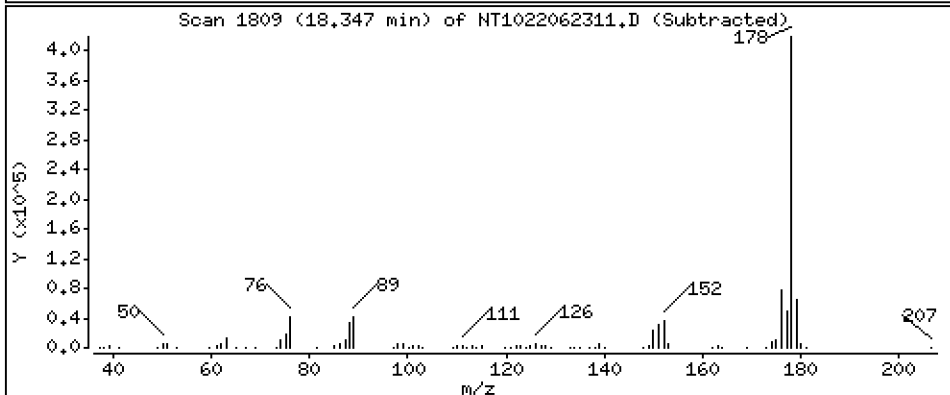
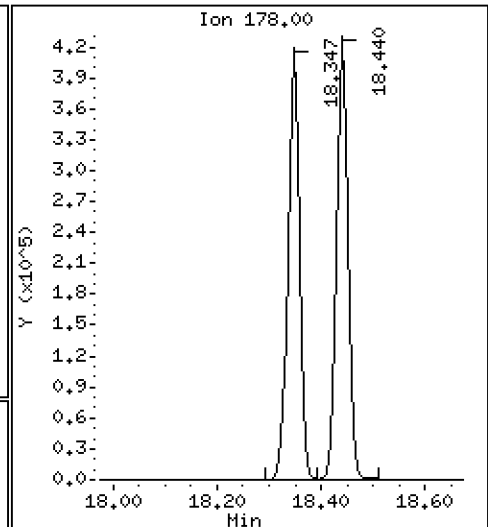
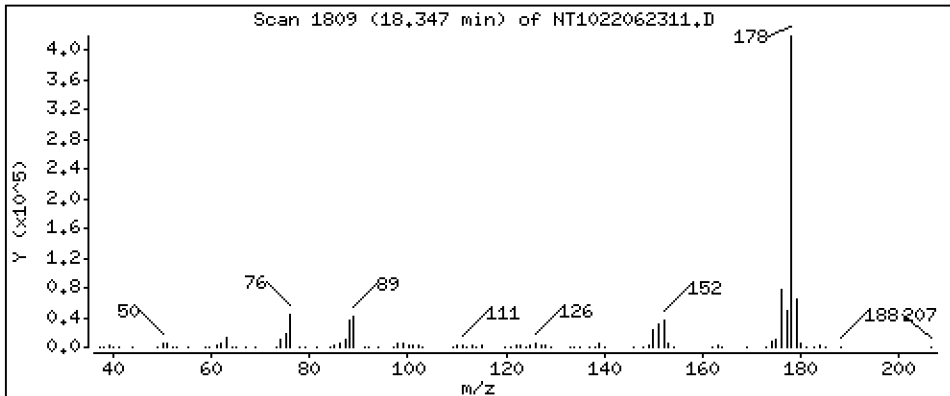
Operator: VTS

Column phase: ZB-5msi

Column diameter: 0,25

60 Phenanthrene

Concentration: 4,893 ug/mL



Date : 23-JUN-2022 15:20

Client ID:

Instrument: nt10.i

Sample Info: SKF0270-SCV1

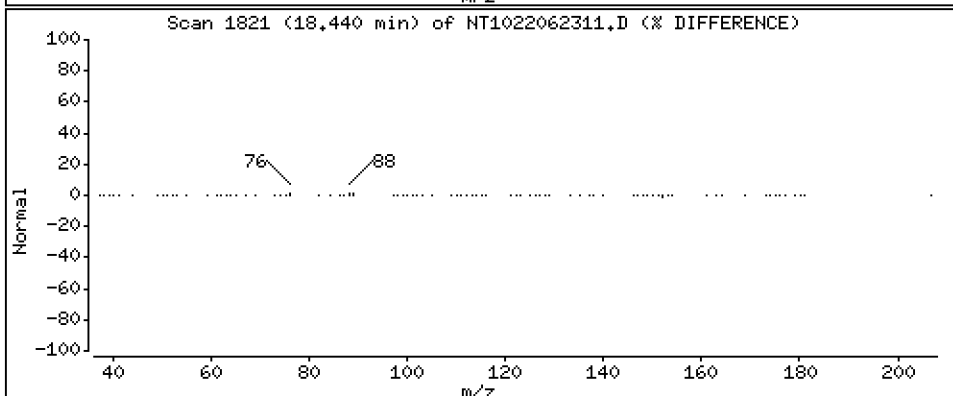
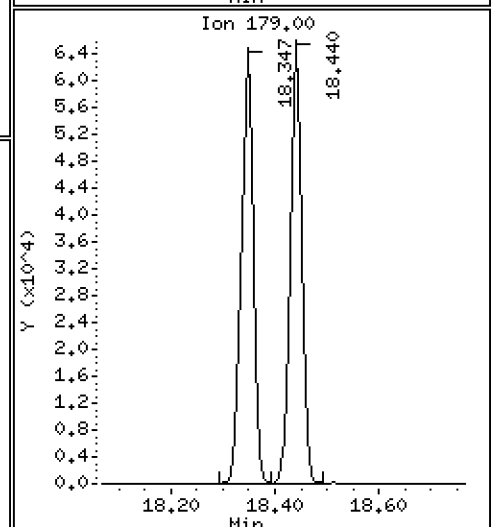
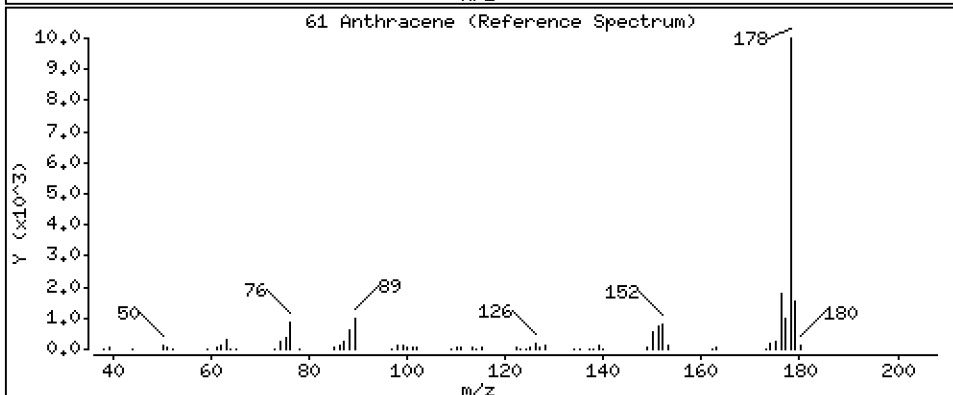
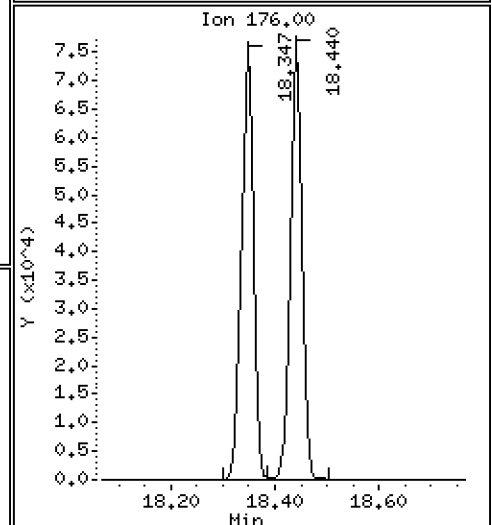
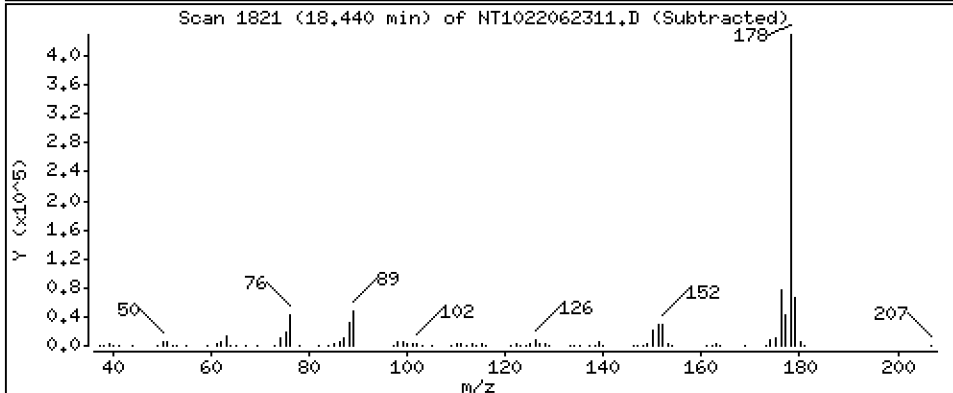
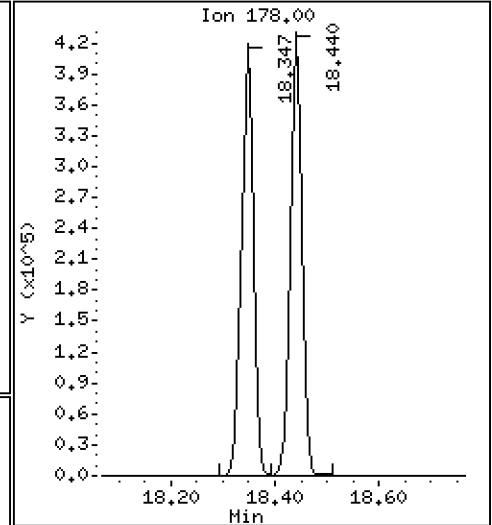
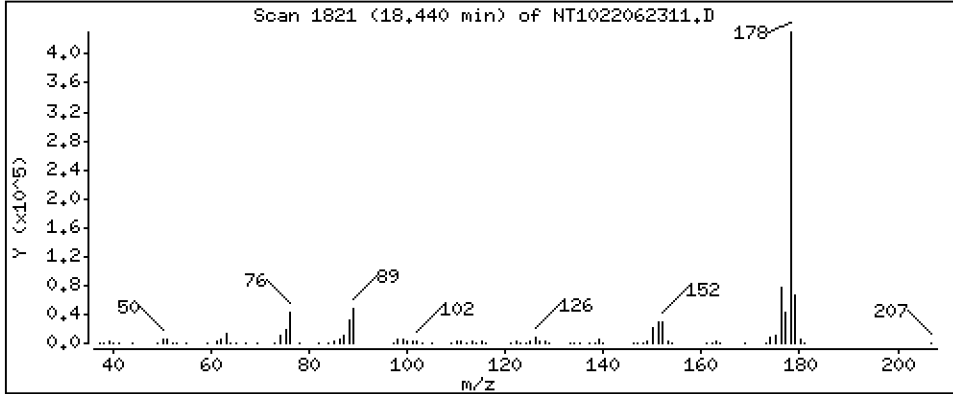
Operator: VTS

Column phase: ZB-5msi

Column diameter: 0,25

61 Anthracene

Concentration: 4,828 ug/mL



Date : 23-JUN-2022 15:20

Client ID:

Instrument: nt10.i

Sample Info: SKF0270-SCV1

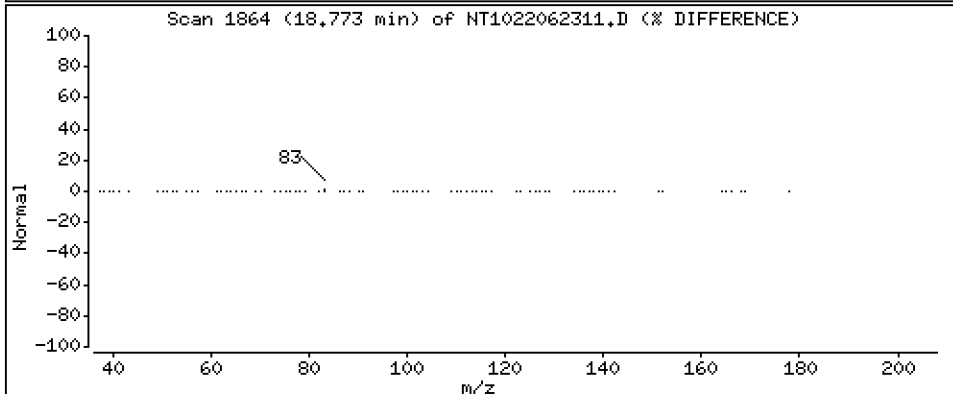
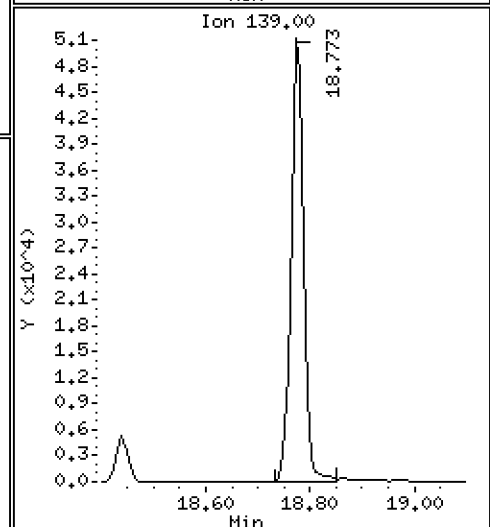
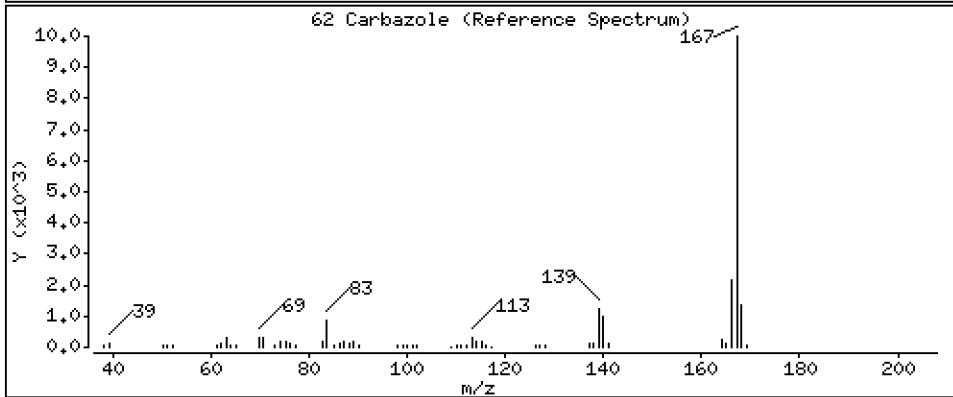
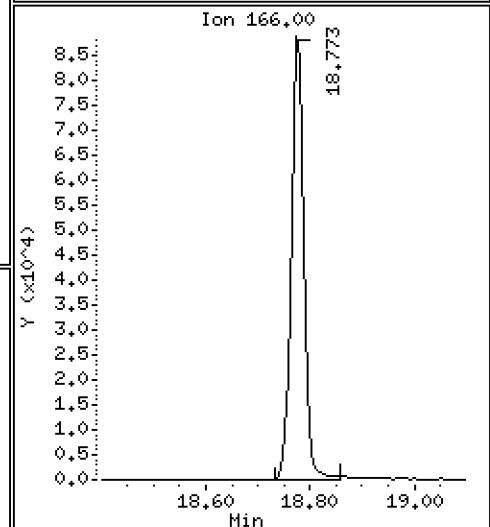
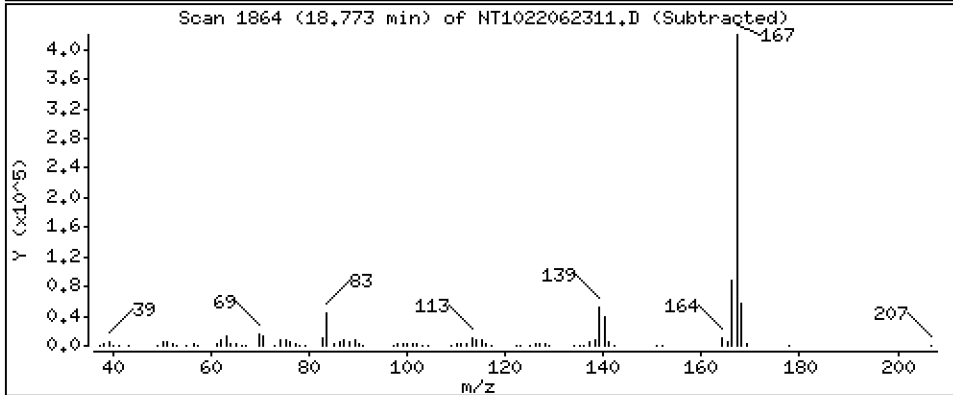
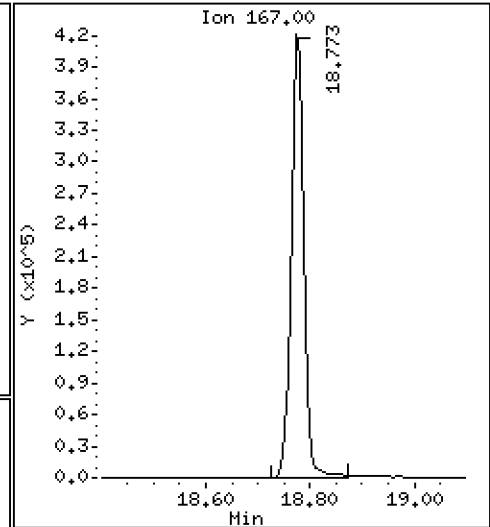
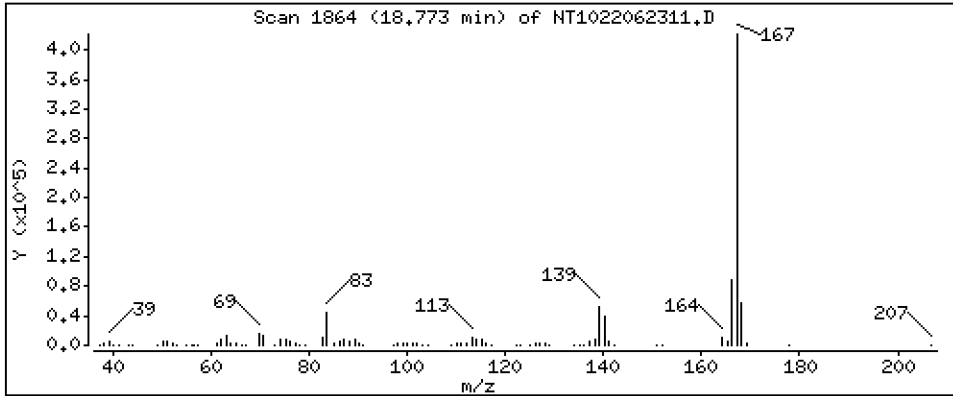
Operator: VTS

Column phase: ZB-5msi

Column diameter: 0,25

62 Carbazole

Concentration: 5,567 ug/mL



Date : 23-JUN-2022 15:20

Client ID:

Instrument: nt10.i

Sample Info: SKF0270-SCV1

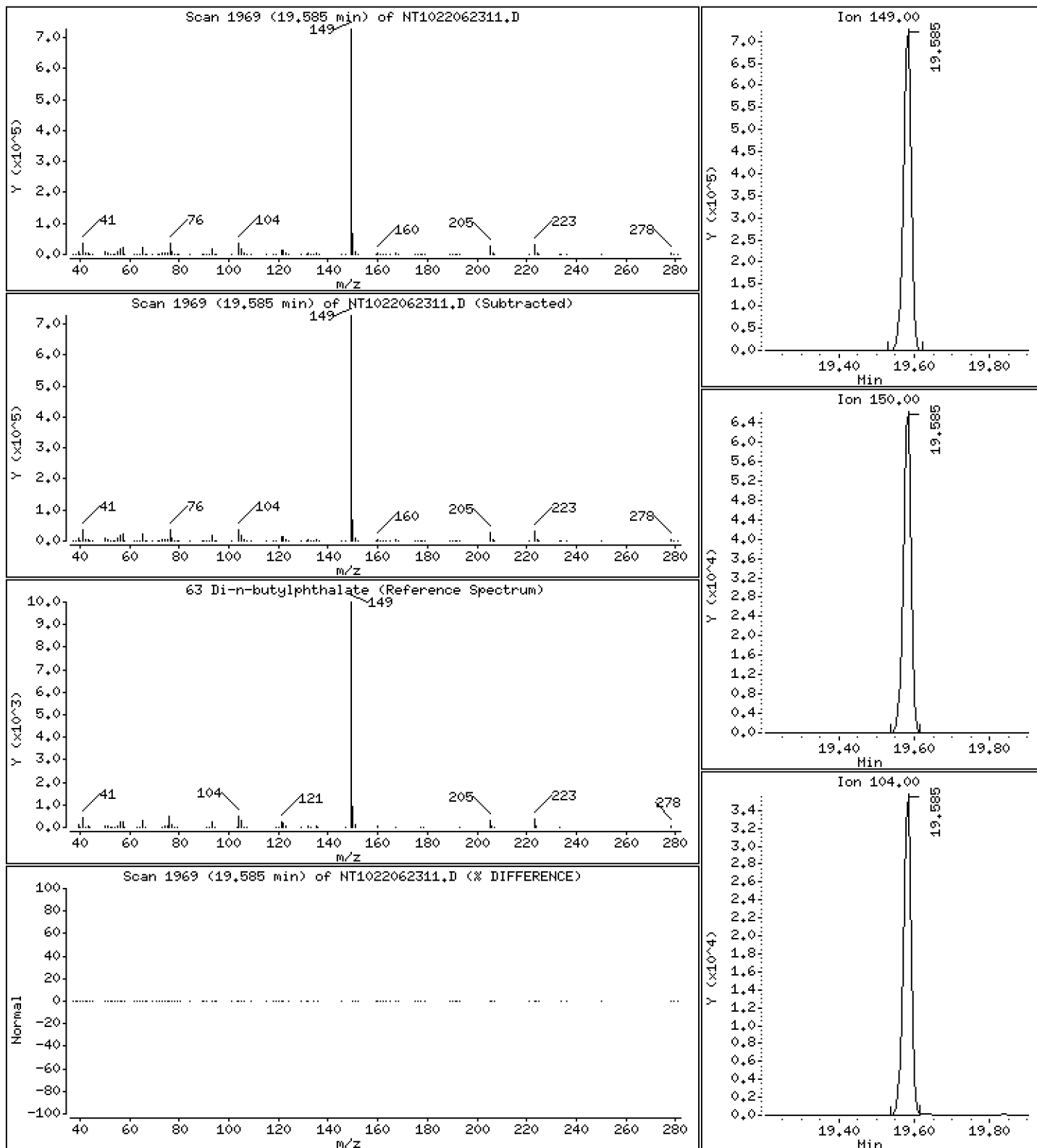
Operator: VTS

Column phase: ZB-5msi

Column diameter: 0,25

63 Di-n-butylphthalate

Concentration: 5,328 ug/mL



Date : 23-JUN-2022 15:20

Client ID:

Instrument: nt10.i

Sample Info: SKF0270-SCV1

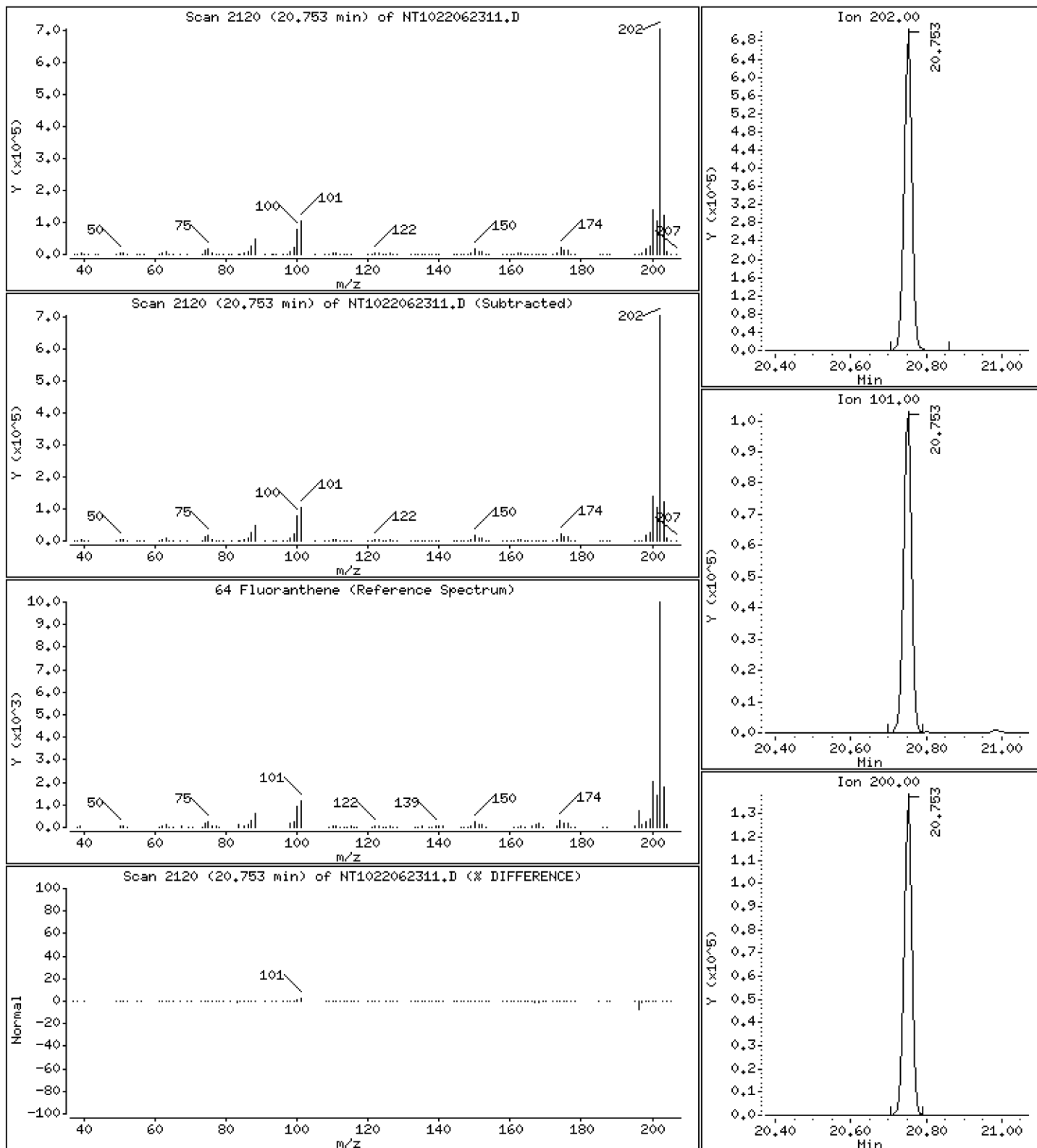
Operator: VTS

Column phase: ZB-5msi

Column diameter: 0,25

64 Fluoranthene

Concentration: 4,192 ug/mL



Date : 23-JUN-2022 15:20

Client ID:

Instrument: nt10.i

Sample Info: SKF0270-SCV1

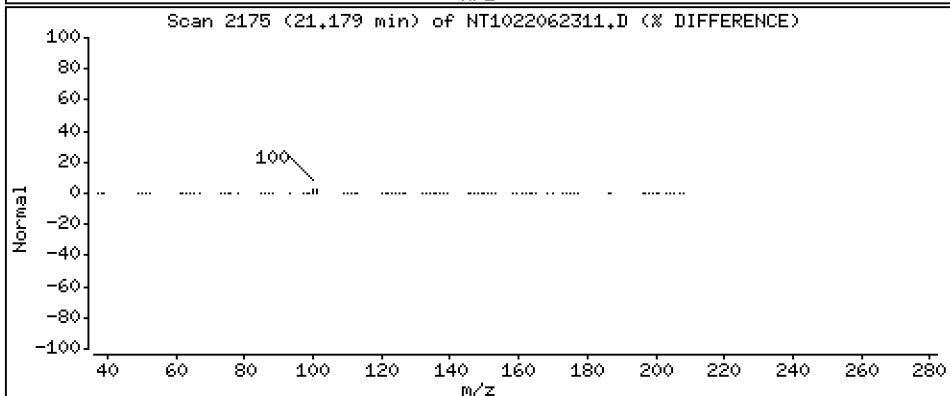
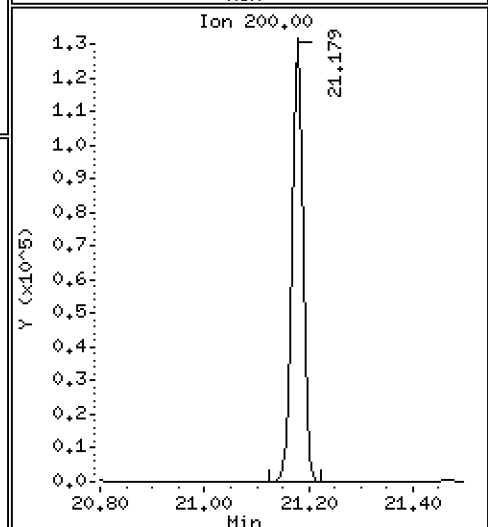
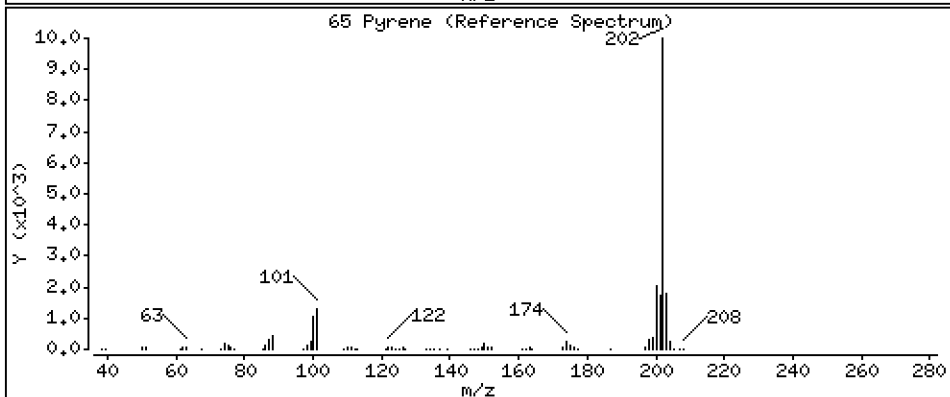
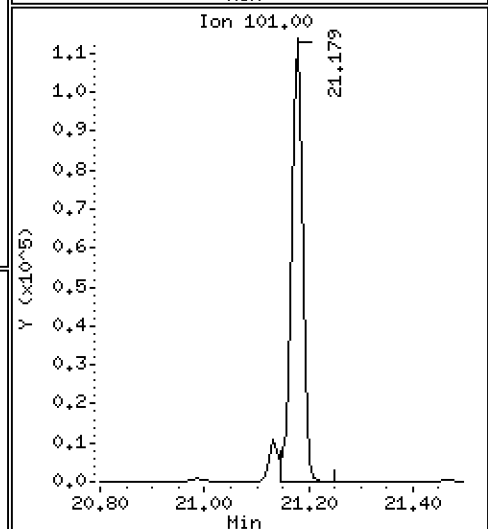
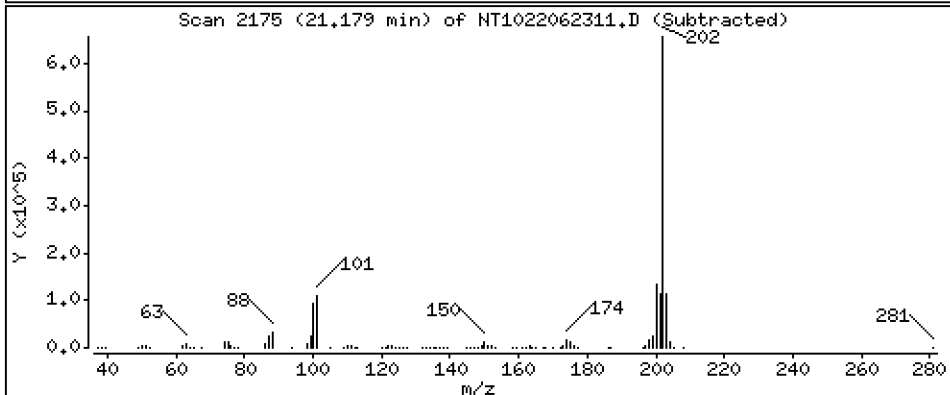
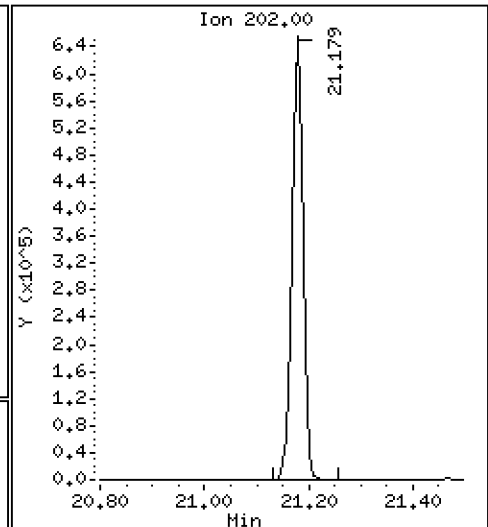
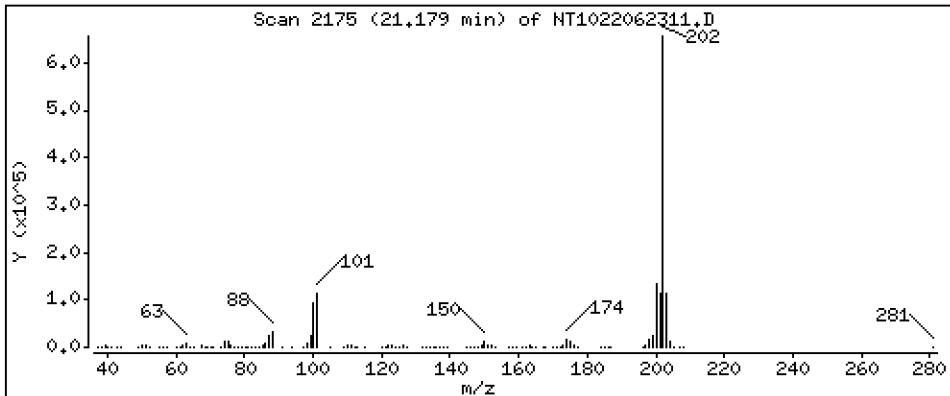
Operator: VTS

Column phase: ZB-5msi

Column diameter: 0,25

65 Pyrene

Concentration: 4,572 ug/mL



Date : 23-JUN-2022 15:20

Client ID:

Instrument: nt10.i

Sample Info: SKF0270-SCV1

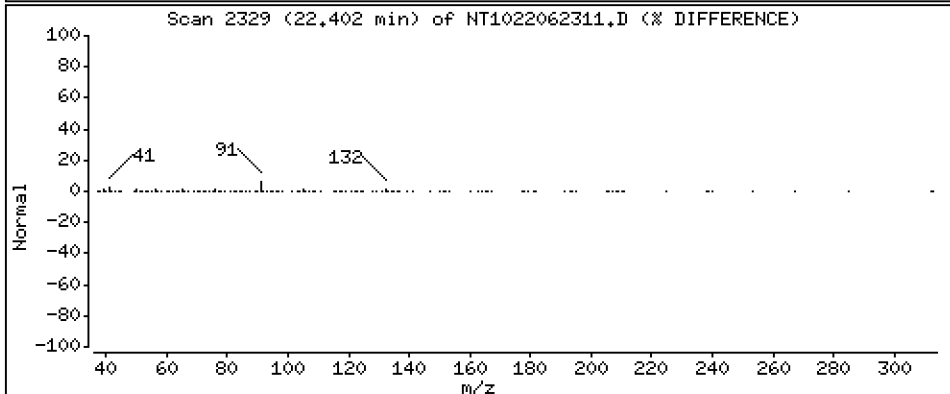
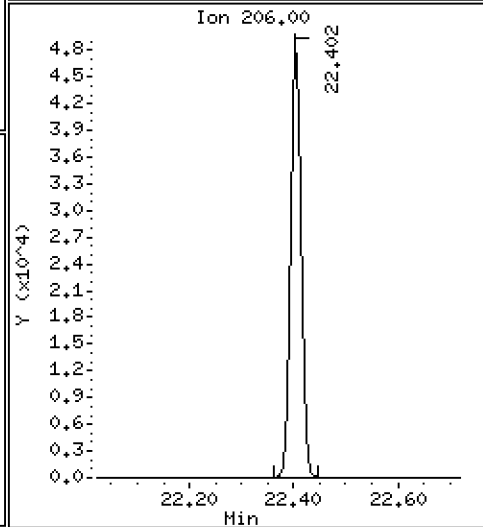
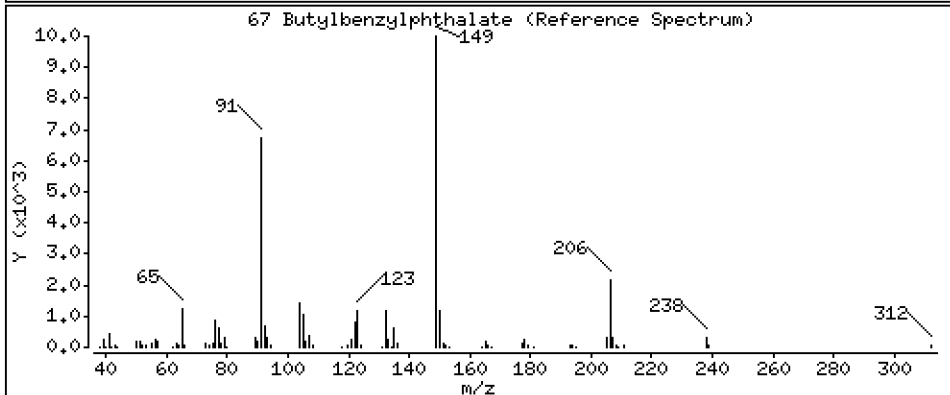
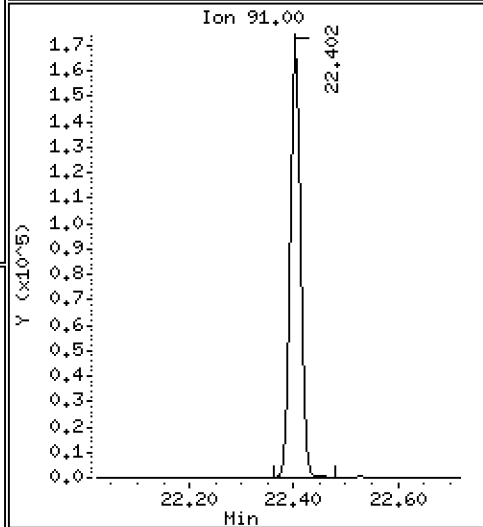
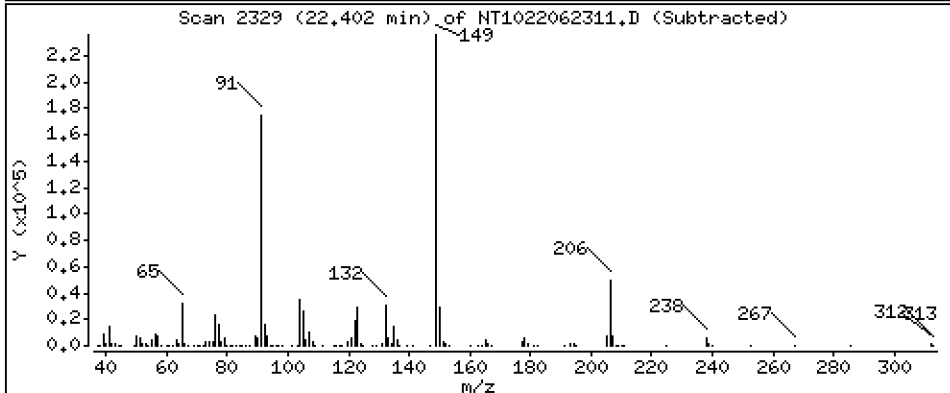
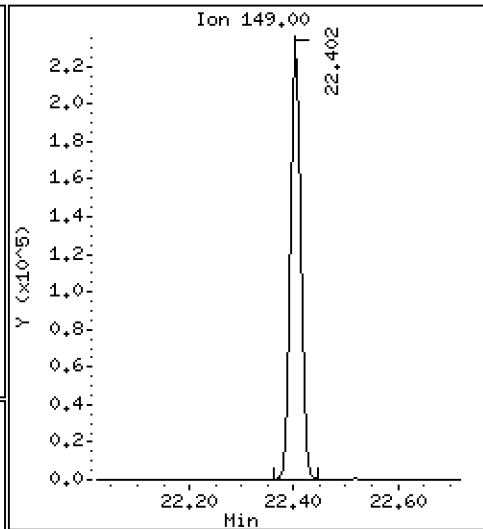
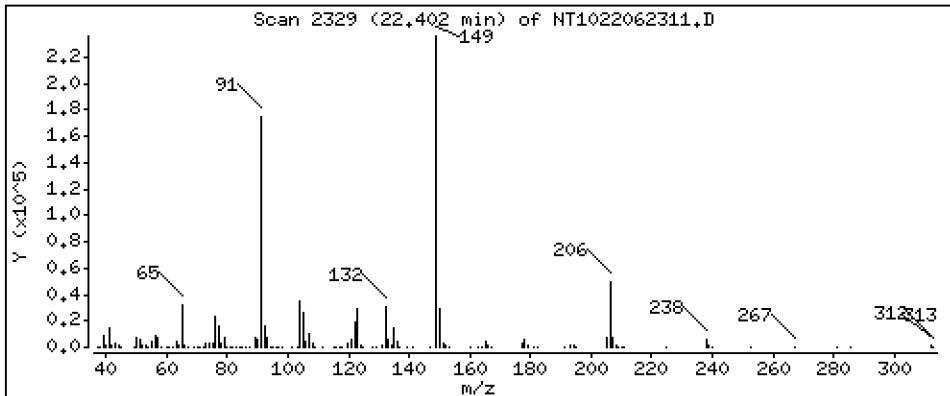
Operator: VTS

Column phase: ZB-5msi

Column diameter: 0,25

67 Butylbenzylphthalate

Concentration: 4,860 ug/mL



Date : 23-JUN-2022 15:20

Client ID:

Instrument: nt10.i

Sample Info: SKF0270-SCV1

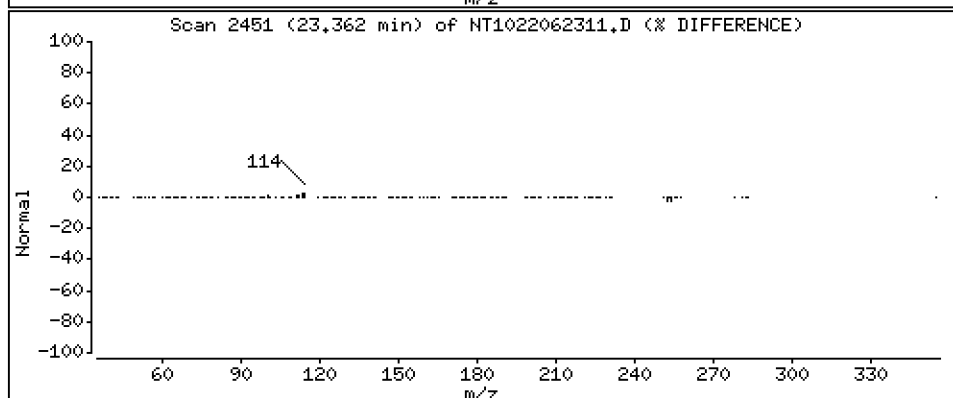
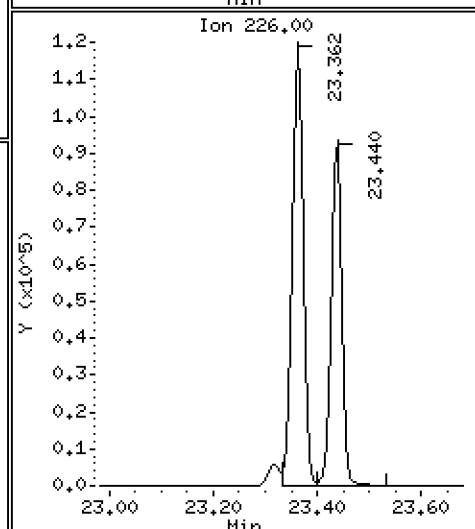
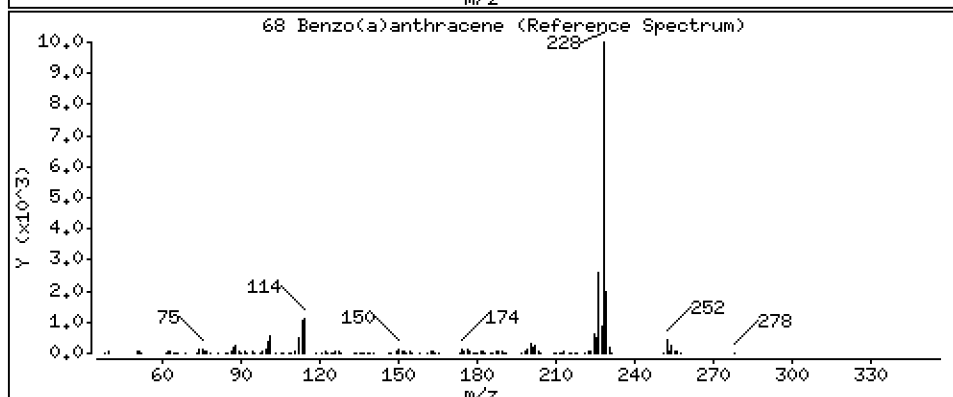
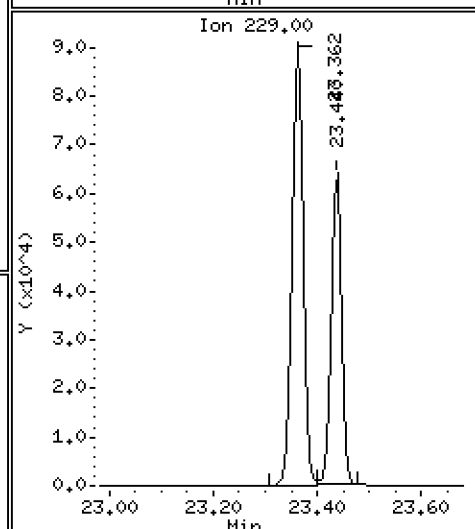
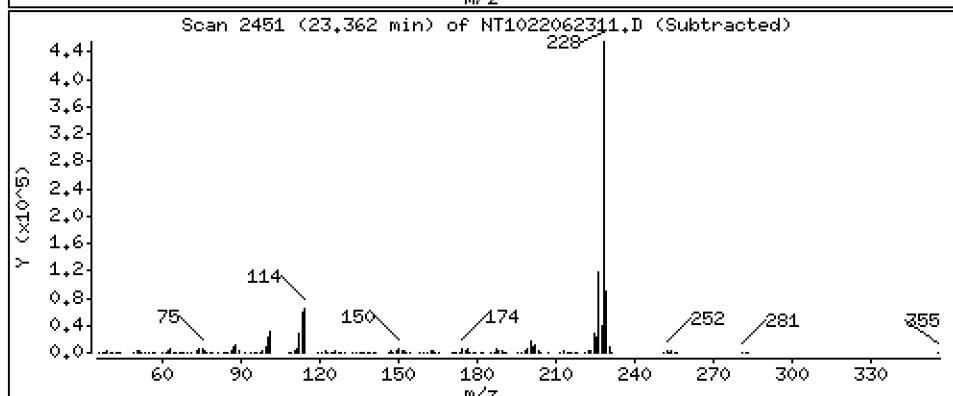
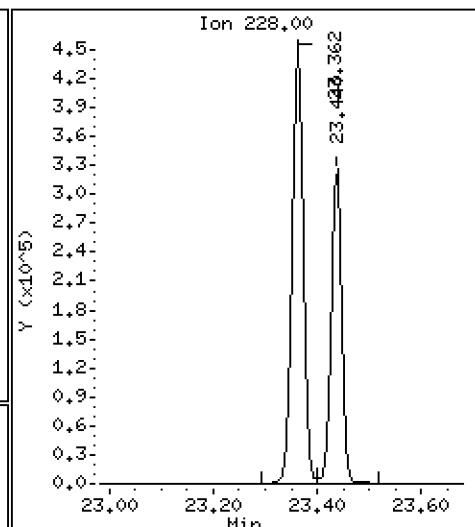
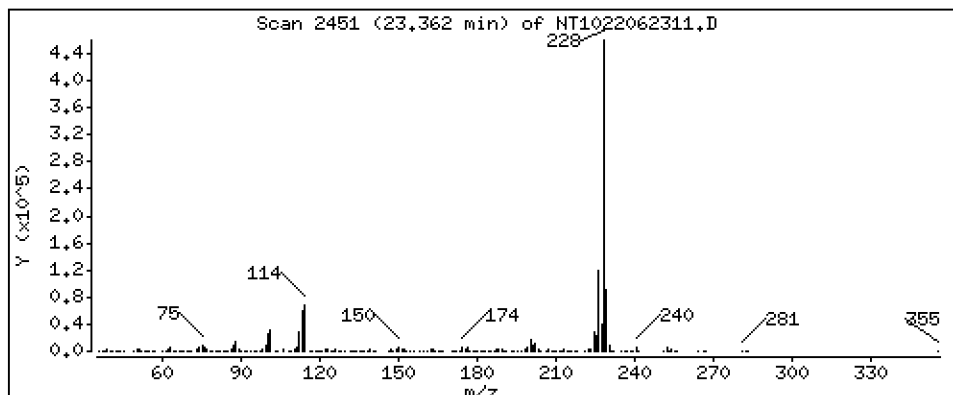
Operator: VTS

Column phase: ZB-5msi

Column diameter: 0,25

68 Benzo(a)anthracene

Concentration: 4,852 ug/mL



Date : 23-JUN-2022 15:20

Client ID:

Instrument: nt10.i

Sample Info: SKF0270-SCV1

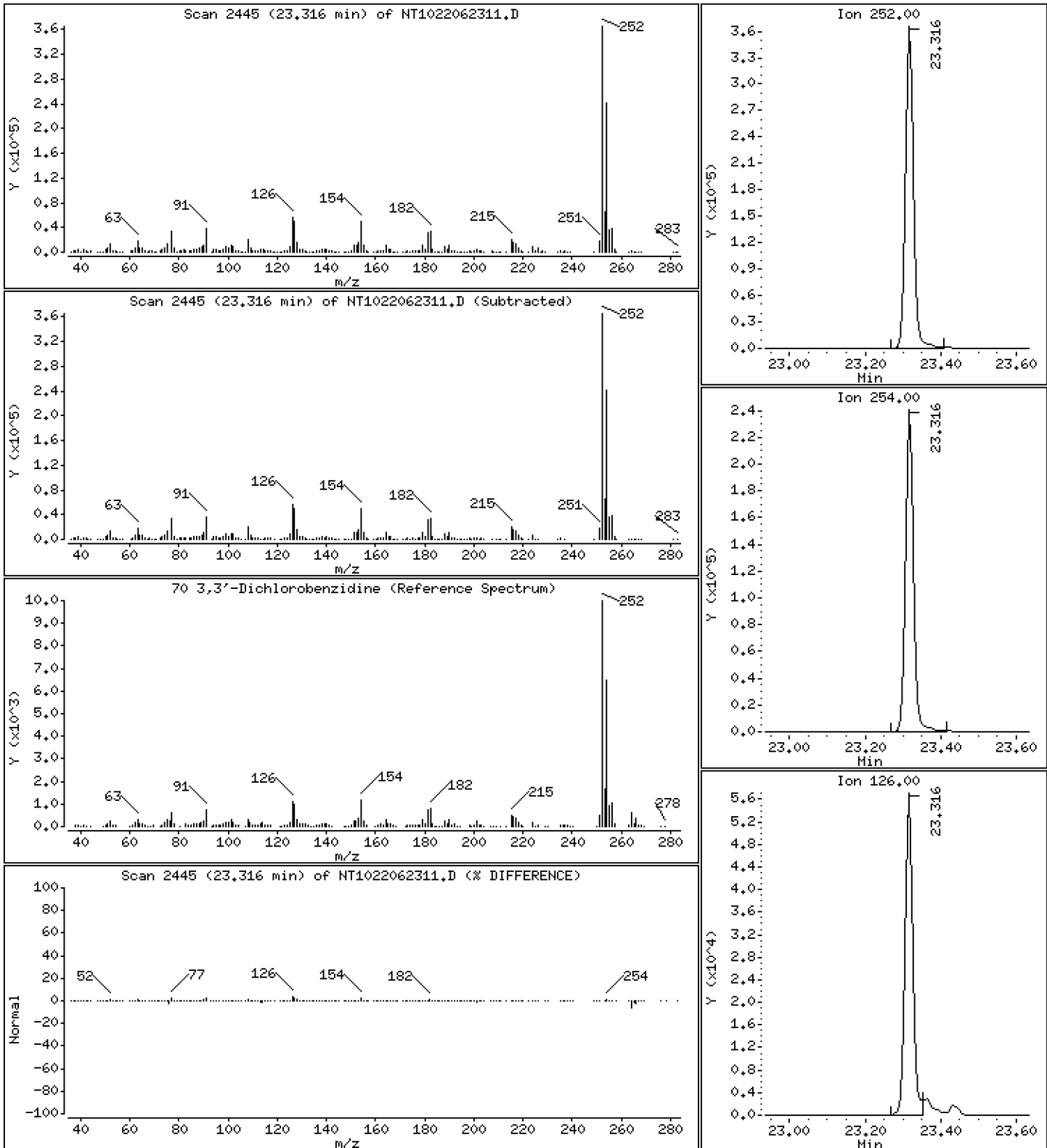
Operator: VTS

Column phase: ZB-5msi

Column diameter: 0,25

70 3,3'-Dichlorobenzidine

Concentration: 11,77 ug/mL



Date : 23-JUN-2022 15:20

Client ID:

Instrument: nt10.i

Sample Info: SKF0270-SCV1

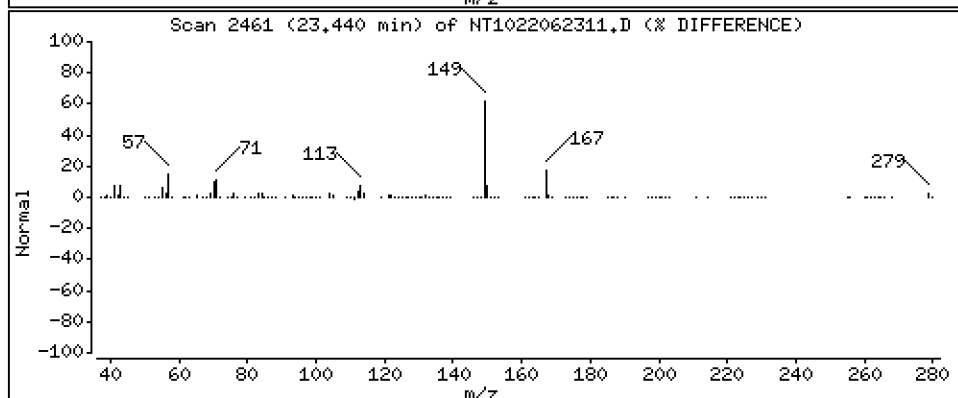
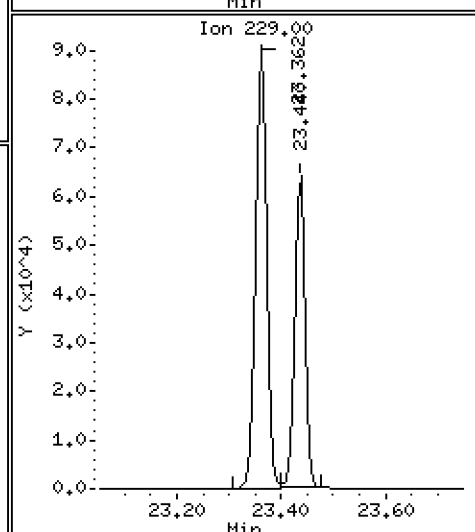
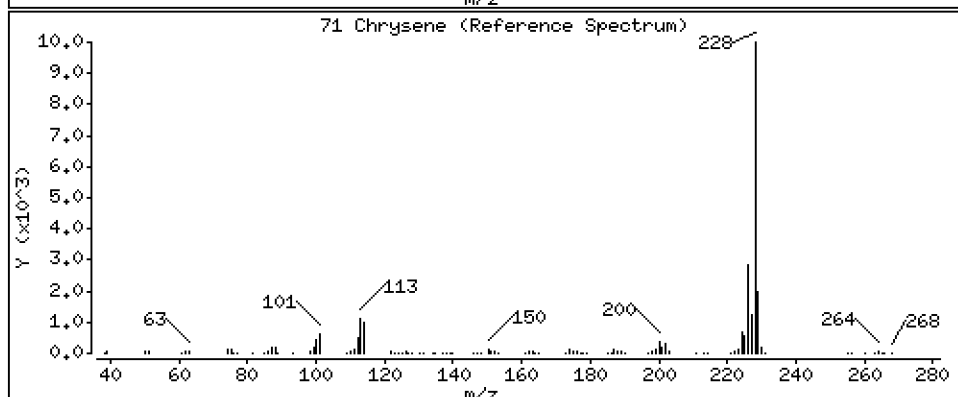
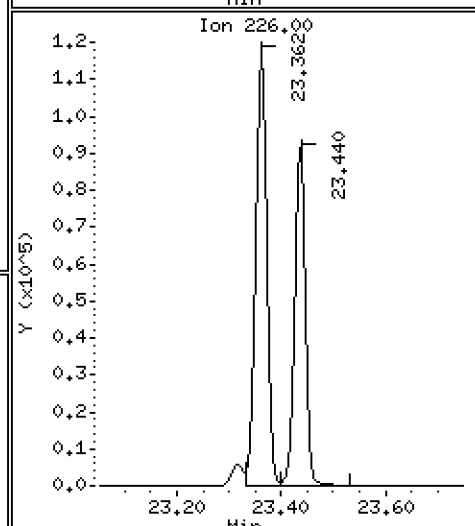
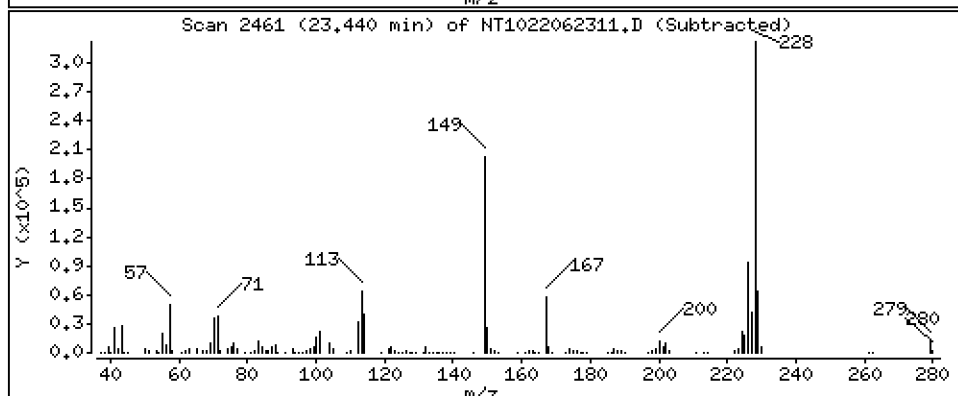
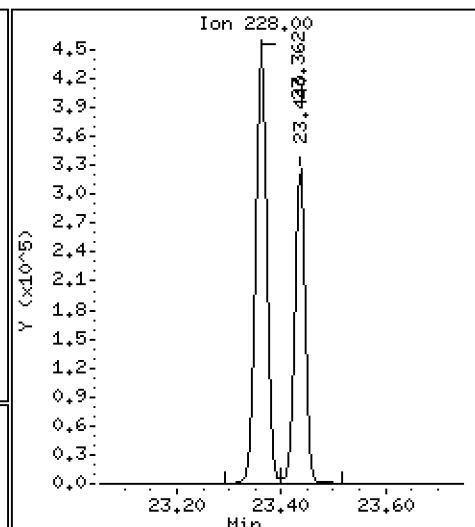
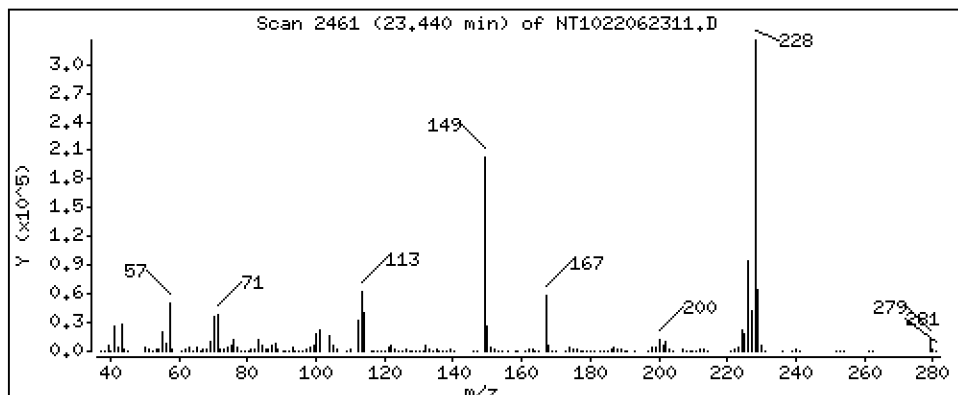
Operator: VTS

Column phase: ZB-5msi

Column diameter: 0,25

71 Chrysene

Concentration: 4,725 ug/mL



Date : 23-JUN-2022 15:20

Client ID:

Instrument: nt10.i

Sample Info: SKF0270-SCV1

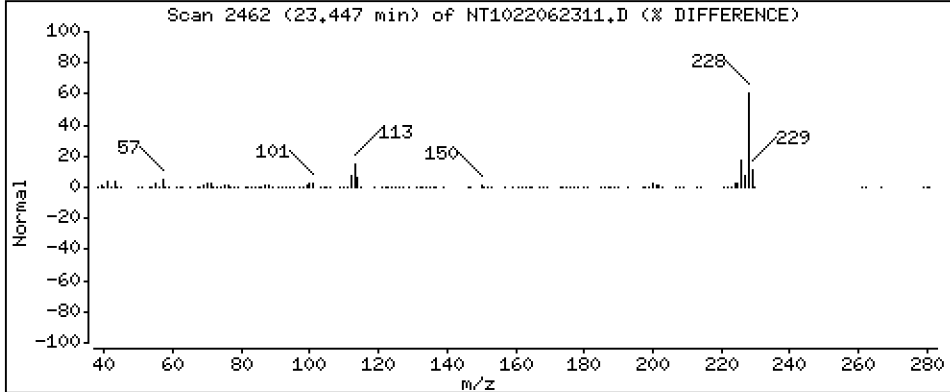
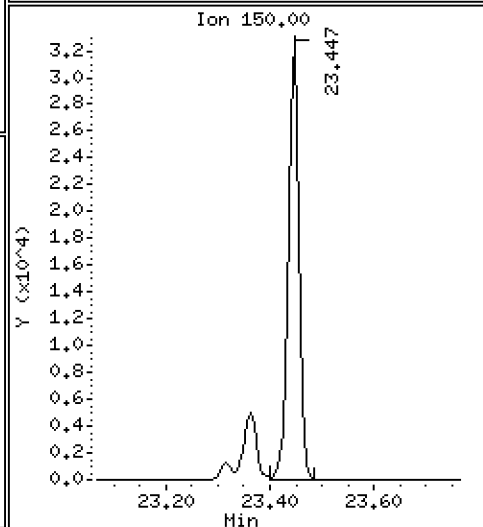
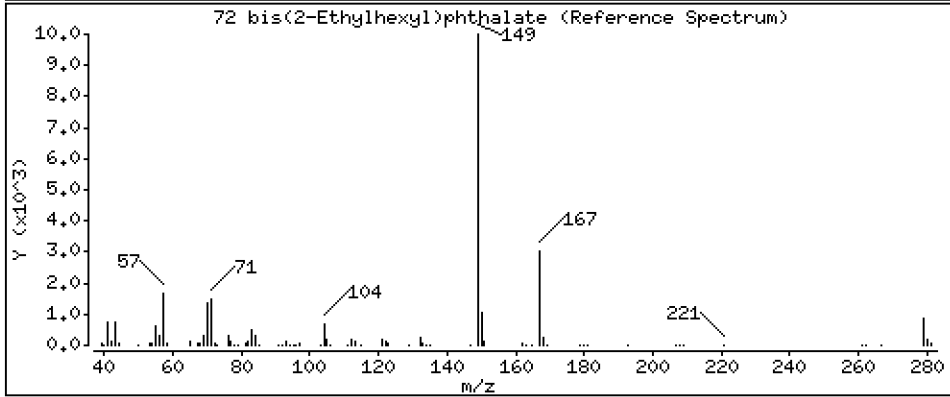
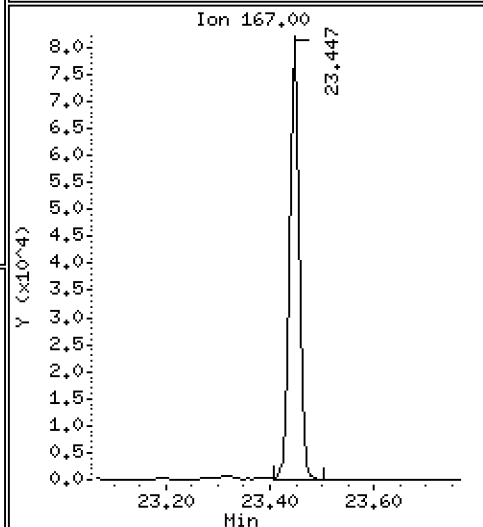
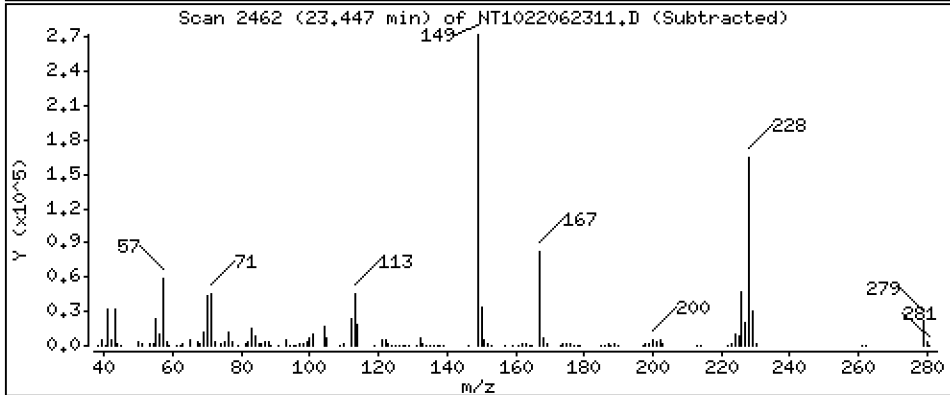
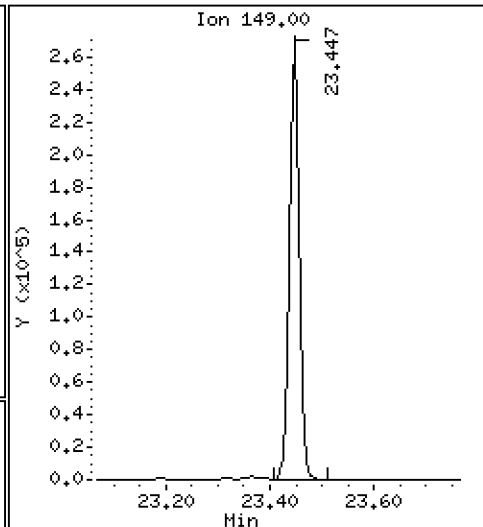
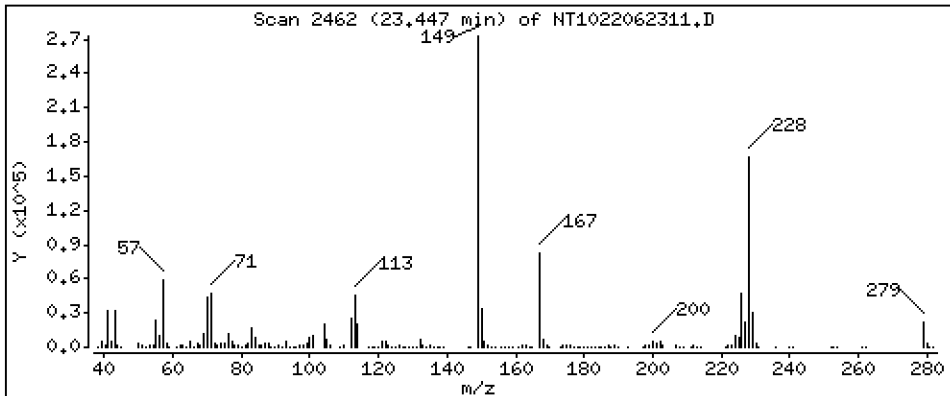
Operator: VTS

Column phase: ZB-5msi

Column diameter: 0,25

72 bis(2-Ethylhexyl)phthalate

Concentration: 5,061 ug/mL



Date : 23-JUN-2022 15:20

Client ID:

Instrument: nt10.i

Sample Info: SKF0270-SCV1

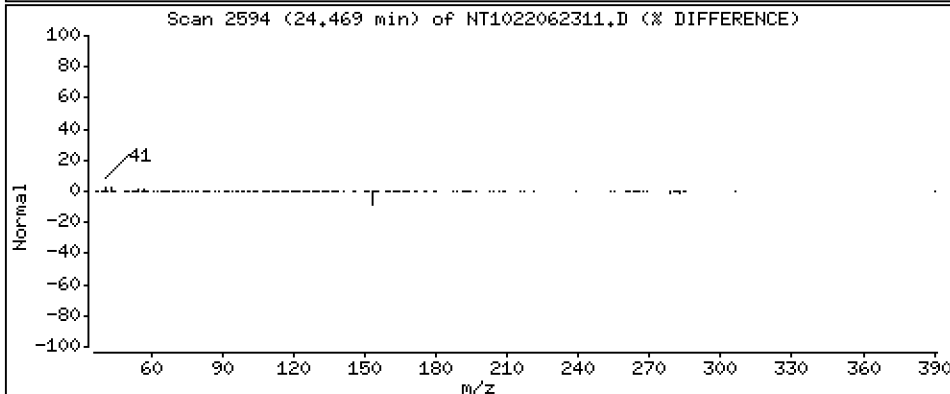
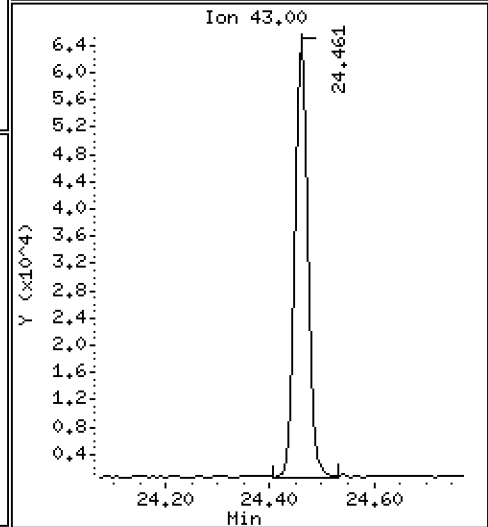
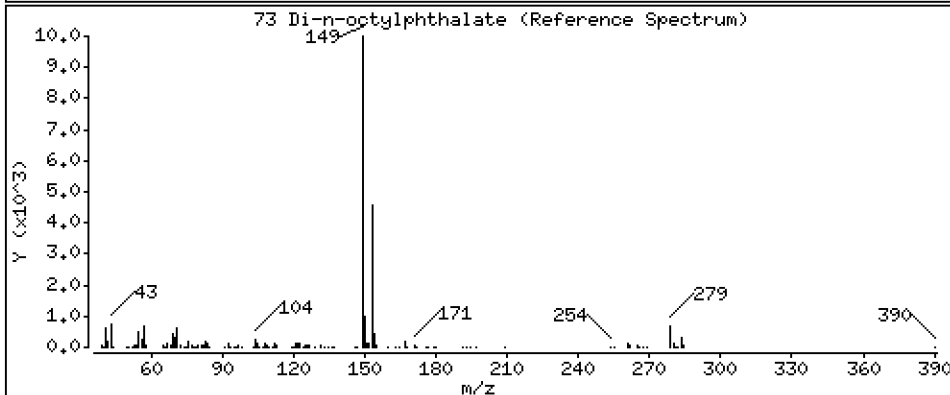
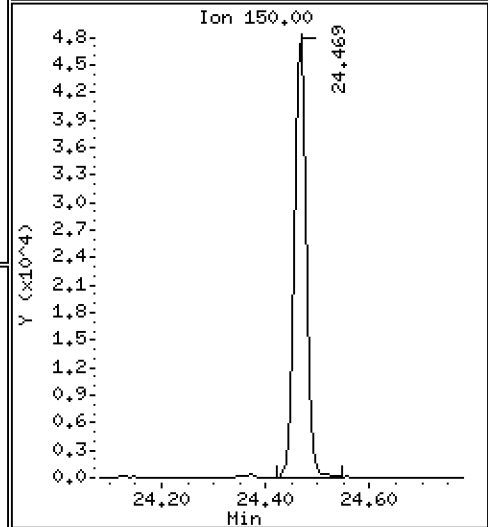
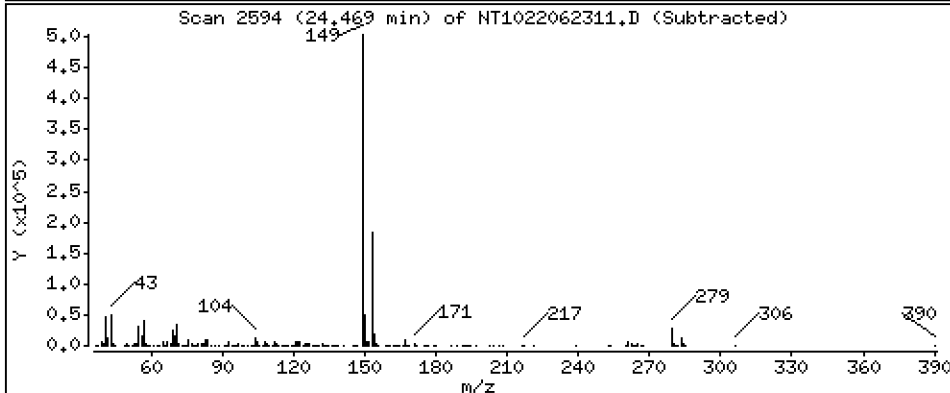
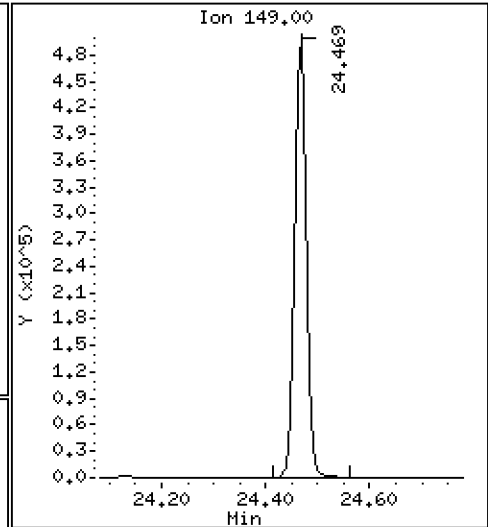
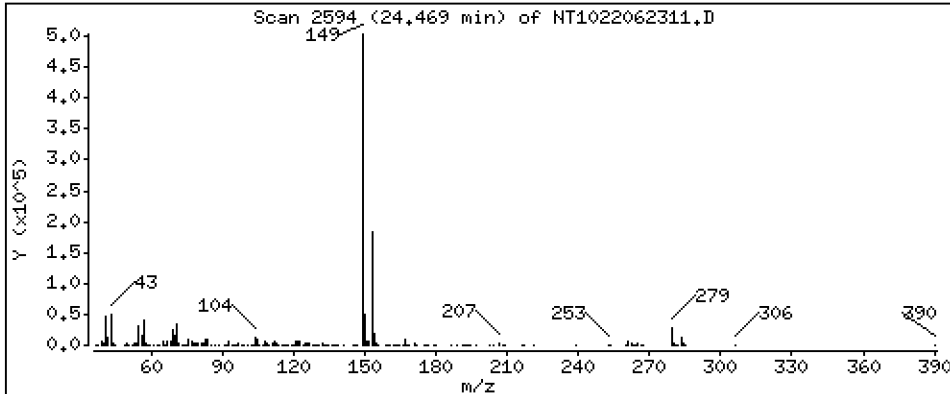
Operator: VTS

Column phase: ZB-5msi

Column diameter: 0,25

73 Di-n-octylphthalate

Concentration: 5,502 ug/mL



Date : 23-JUN-2022 15:20

Client ID:

Instrument: nt10.i

Sample Info: SKF0270-SCV1

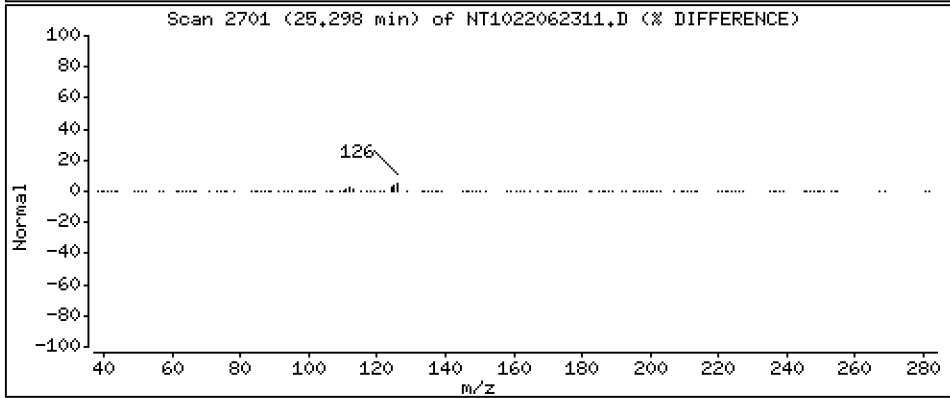
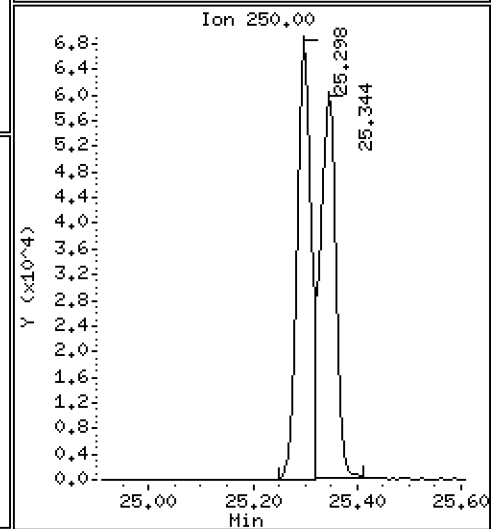
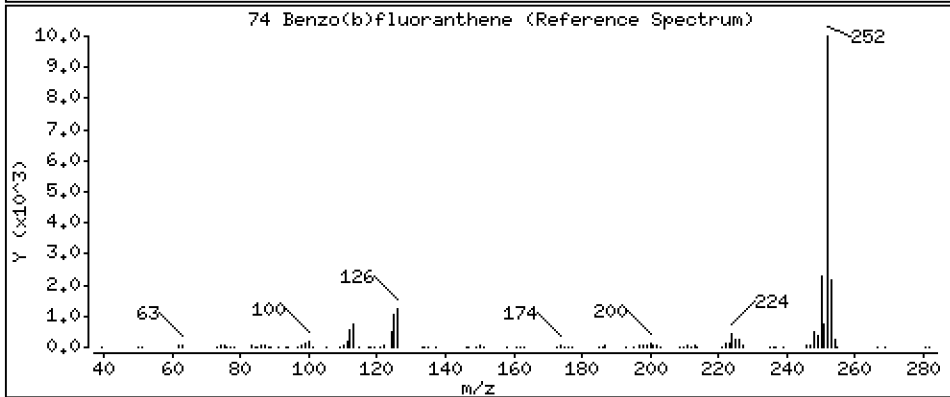
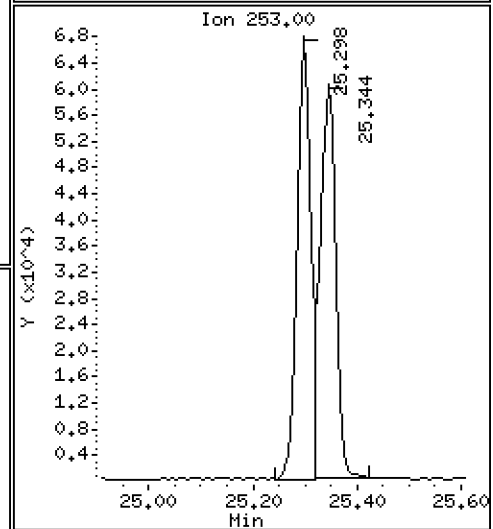
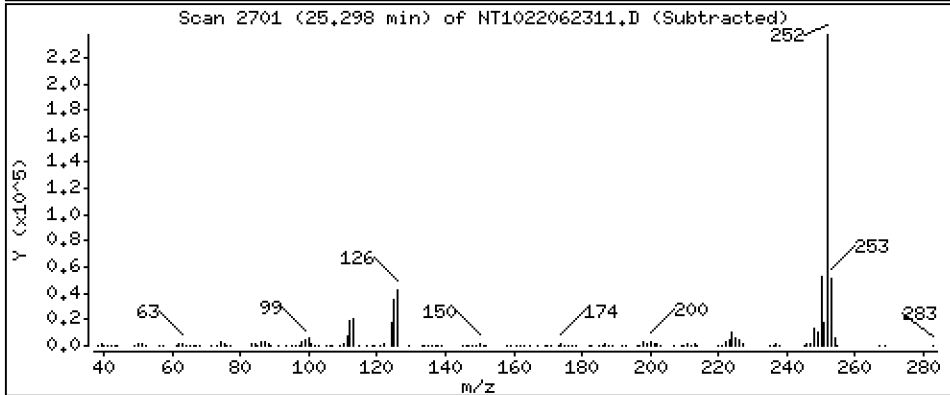
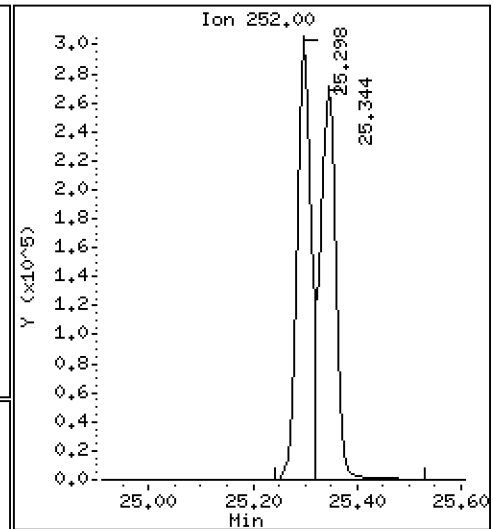
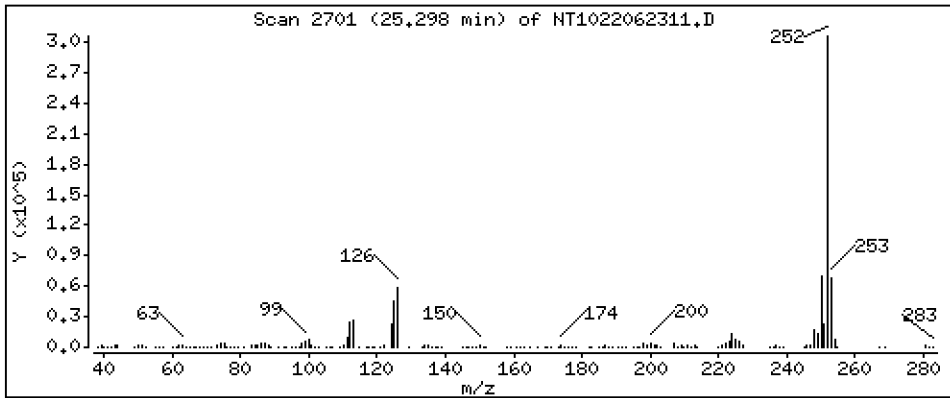
Operator: VTS

Column phase: ZB-5msi

Column diameter: 0,25

74 Benzo(b)fluoranthene

Concentration: 4,955 ug/mL



Date : 23-JUN-2022 15:20

Client ID:

Instrument: nt10.i

Sample Info: SKF0270-SCV1

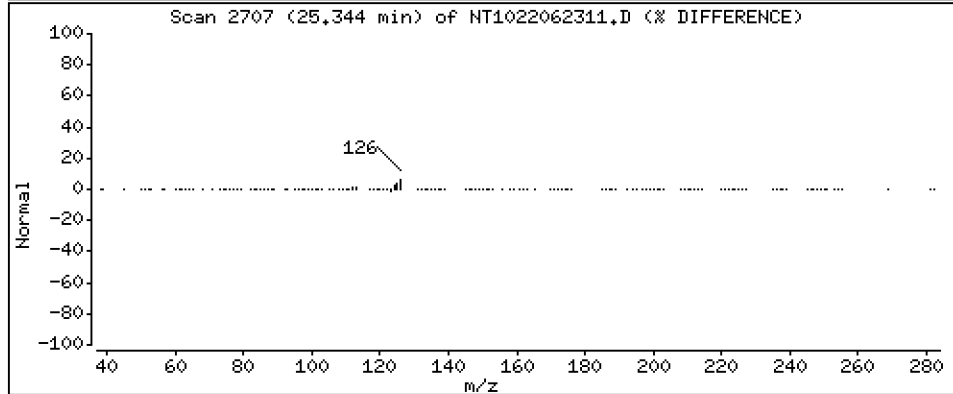
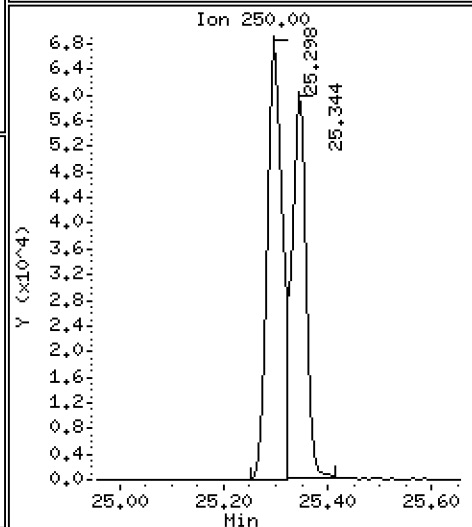
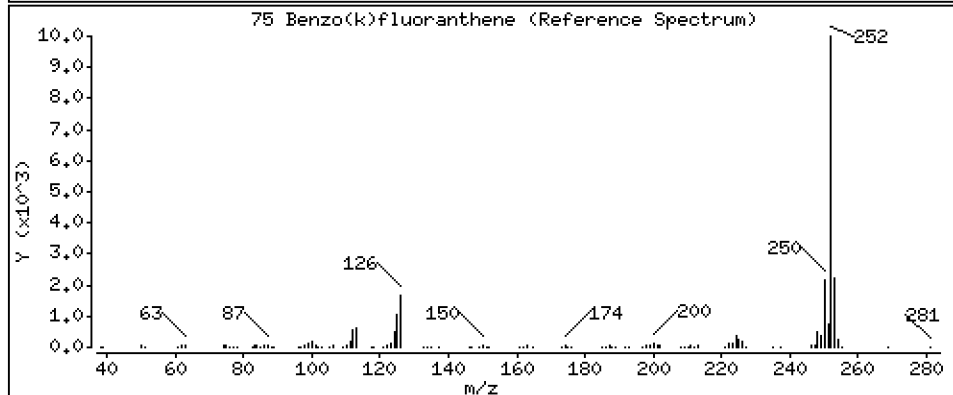
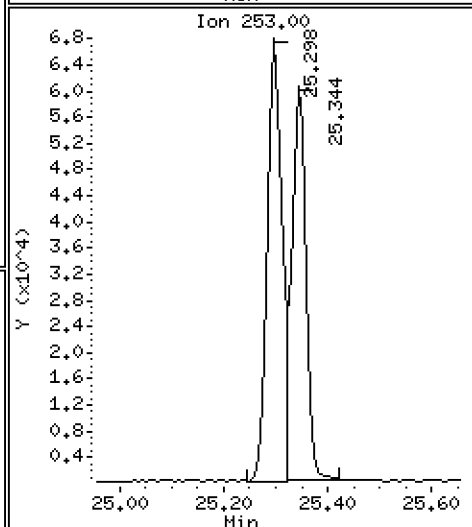
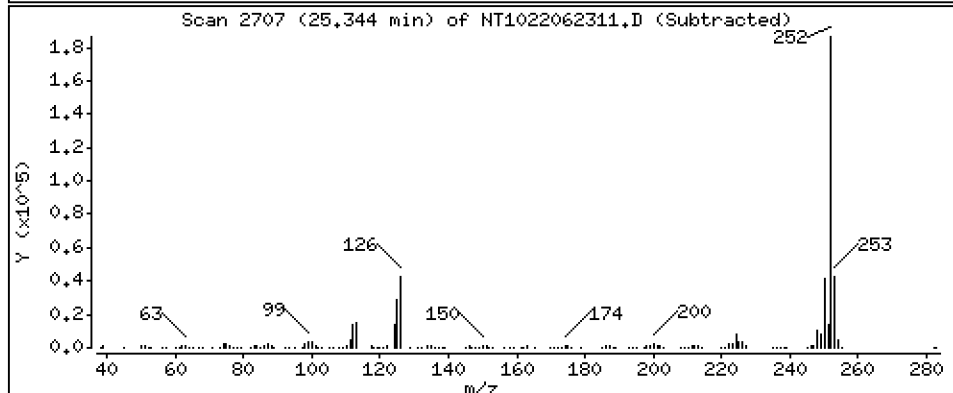
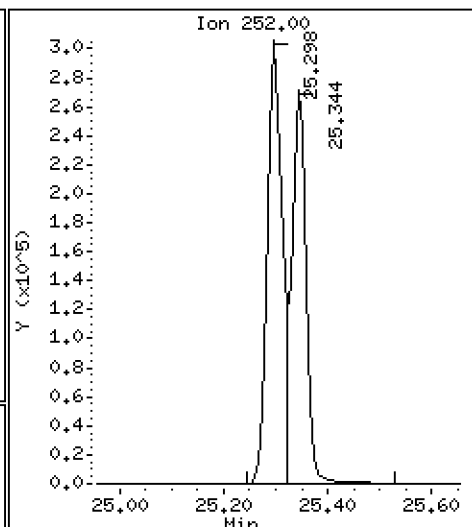
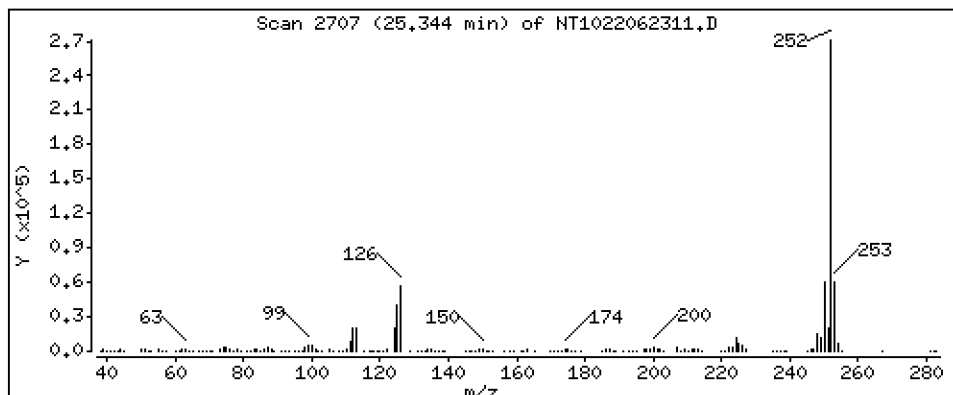
Operator: VTS

Column phase: ZB-5msi

Column diameter: 0,25

75 Benzo(k)fluoranthene

Concentration: 5,262 ug/mL



Date : 23-JUN-2022 15:20

Client ID:

Instrument: nt10.i

Sample Info: SKF0270-SCV1

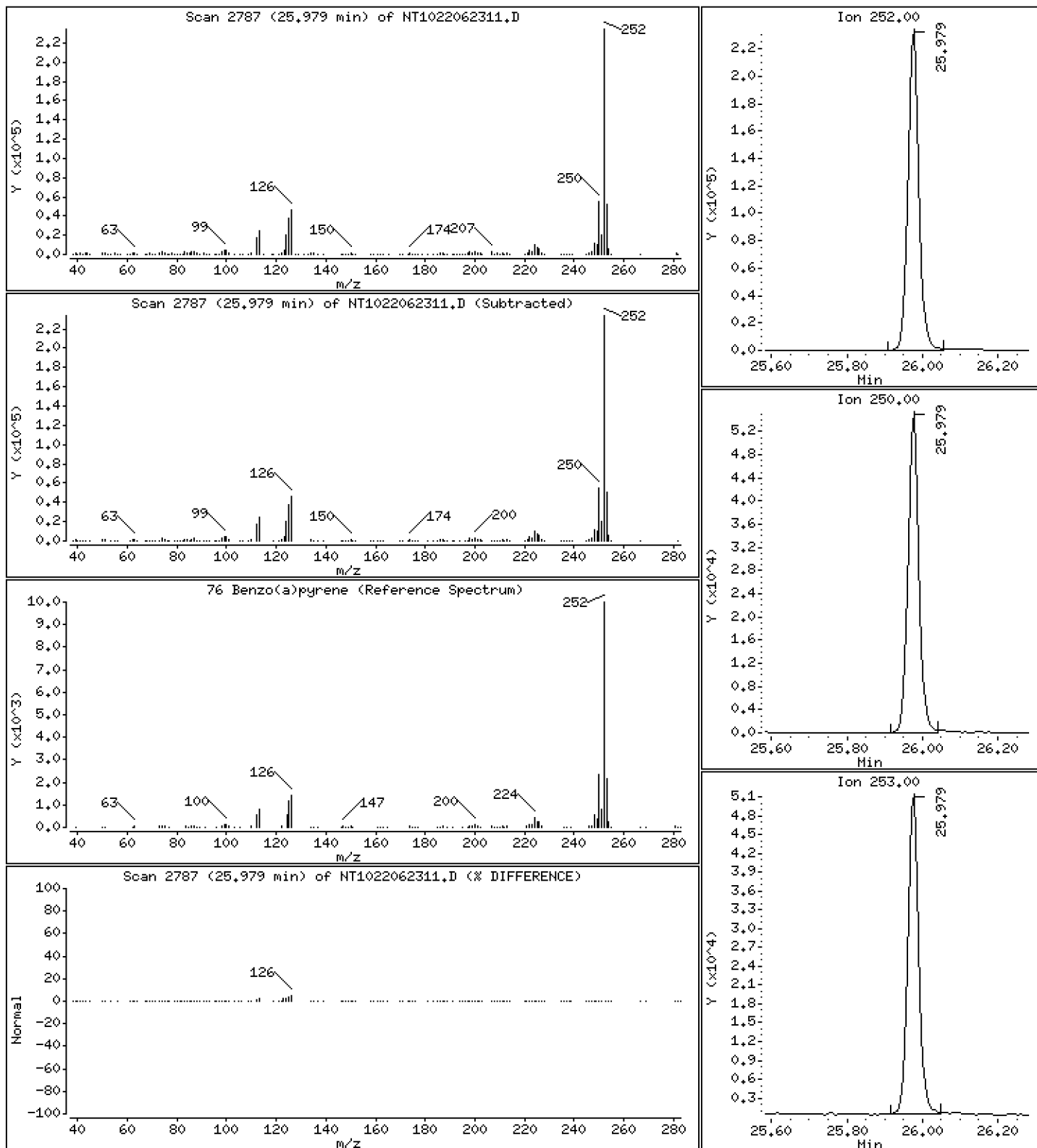
Operator: VTS

Column phase: ZB-5msi

Column diameter: 0,25

76 Benzo(a)pyrene

Concentration: 4,900 ug/mL



Date : 23-JUN-2022 15:20

Client ID:

Instrument: nt10.i

Sample Info: SKF0270-SCV1

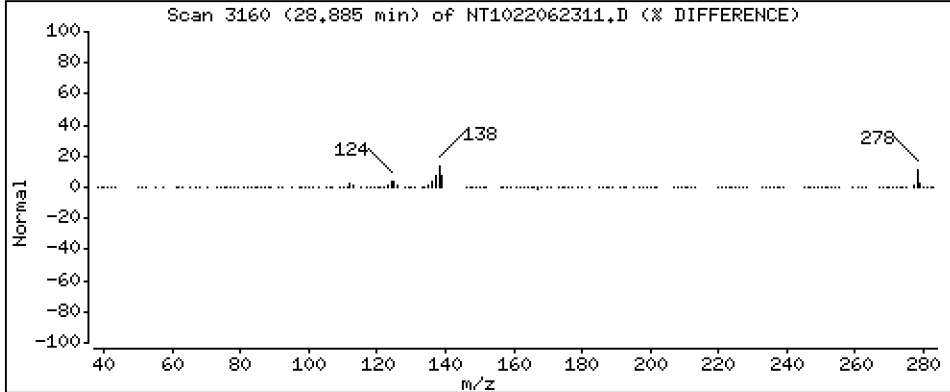
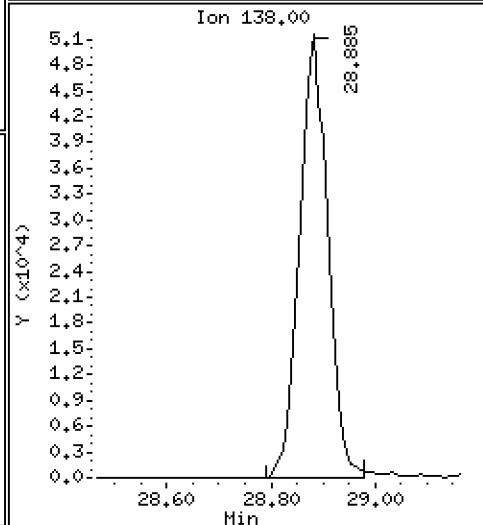
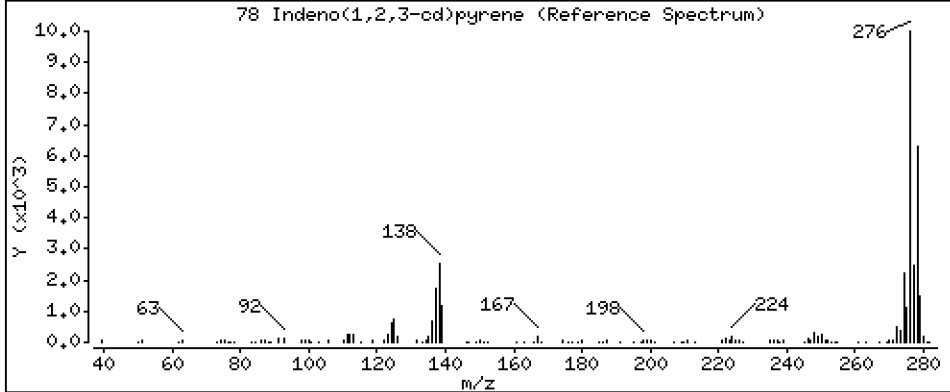
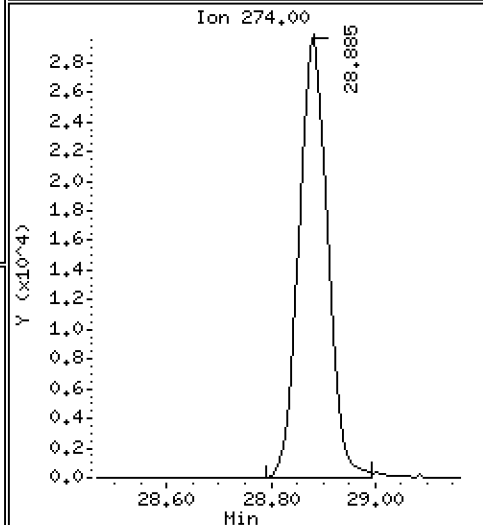
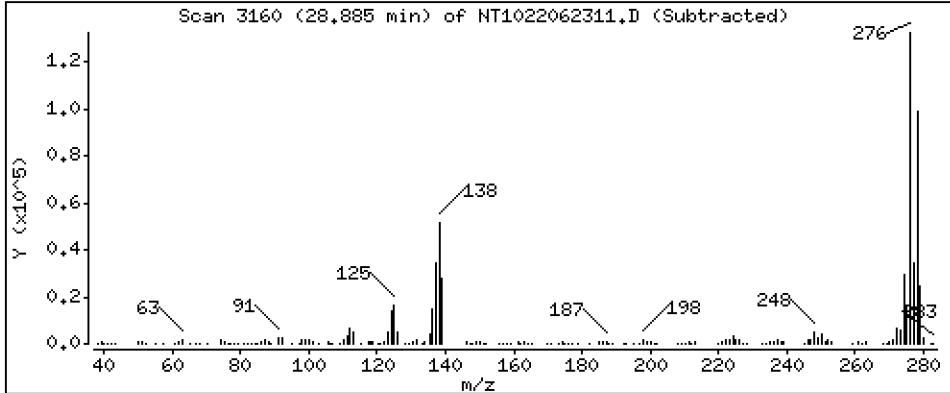
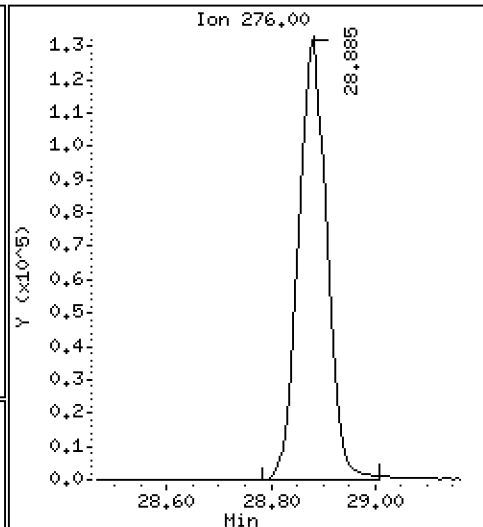
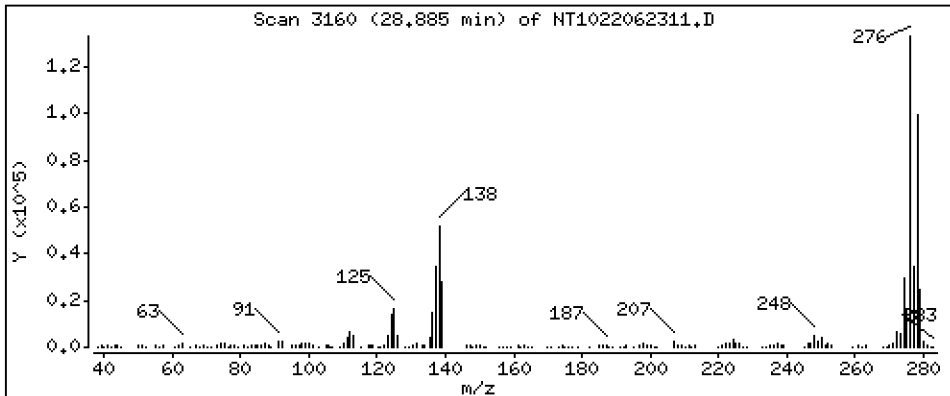
Operator: VTS

Column phase: ZB-5msi

Column diameter: 0,25

78 Indeno(1,2,3-cd)pyrene

Concentration: 4,763 ug/mL



Date : 23-JUN-2022 15:20

Client ID:

Instrument: nt10.i

Sample Info: SKF0270-SCV1

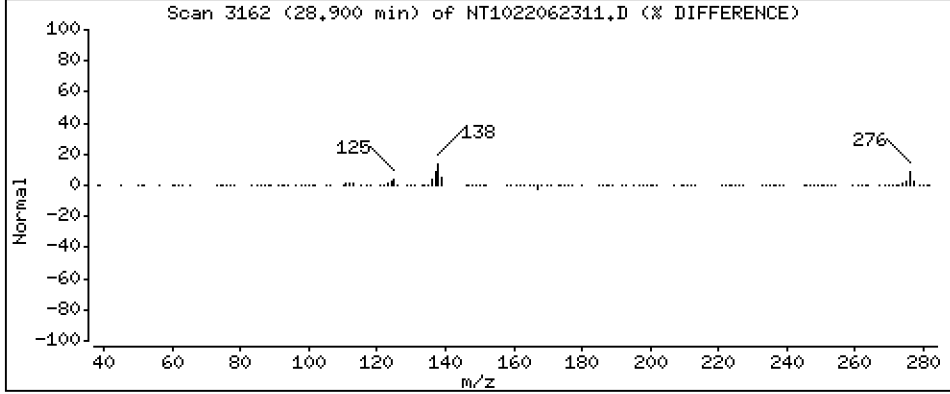
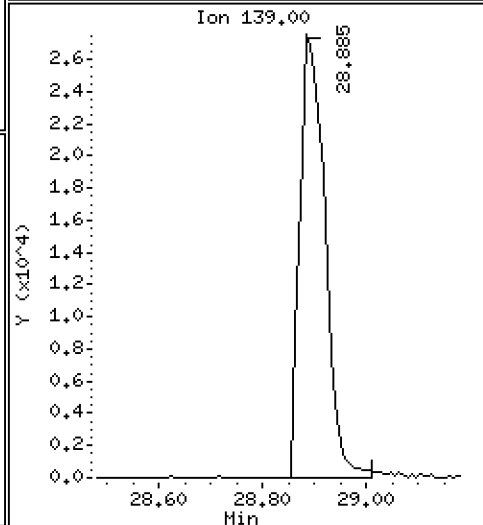
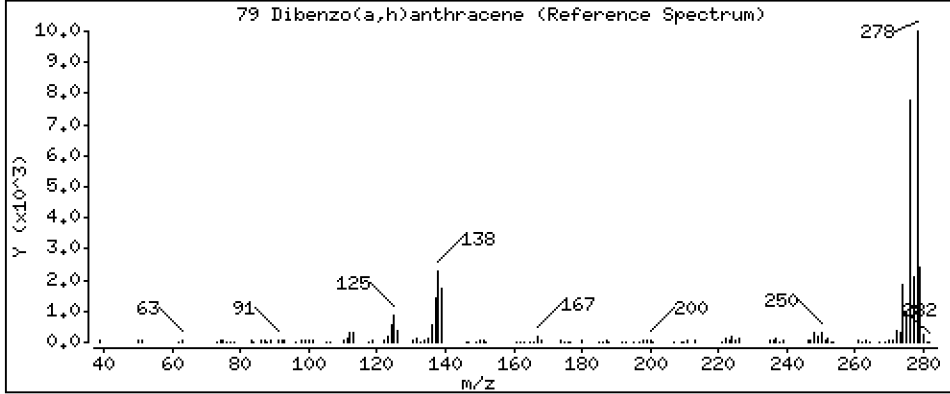
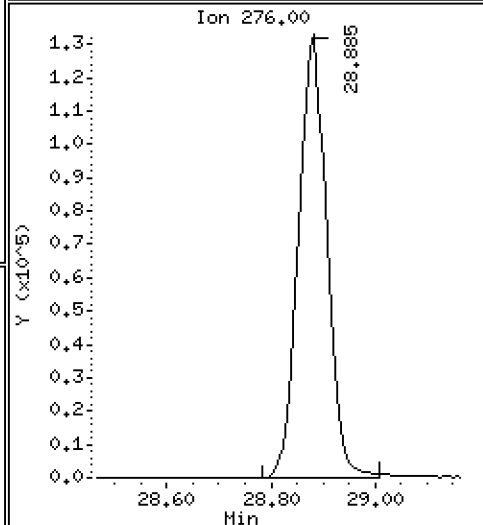
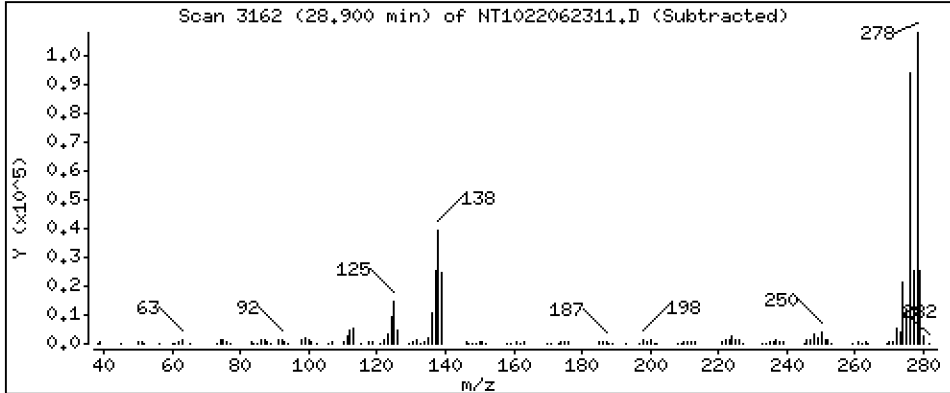
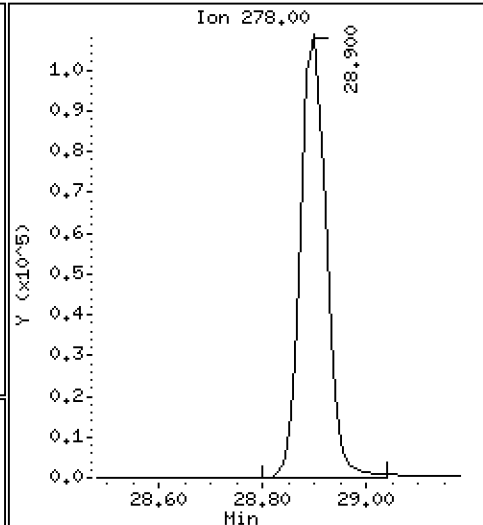
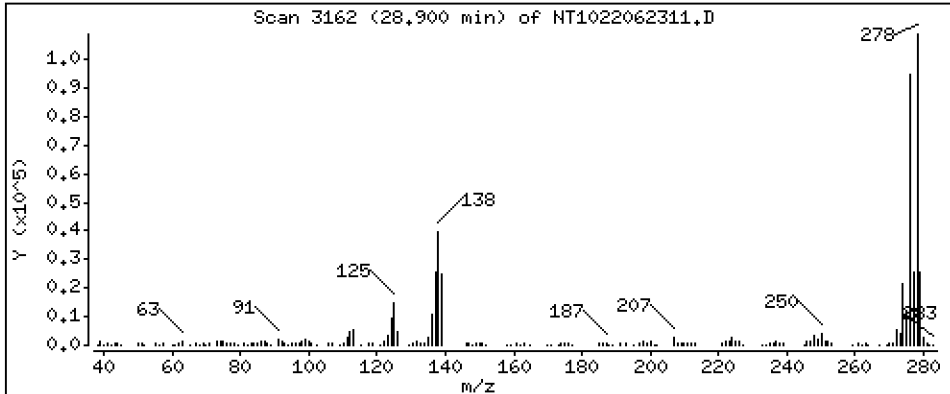
Operator: VTS

Column phase: ZB-5msi

Column diameter: 0,25

79 Dibenzo(a,h)anthracene

Concentration: 4,675 ug/mL



Date : 23-JUN-2022 15:20

Client ID:

Instrument: nt10.i

Sample Info: SKF0270-SCV1

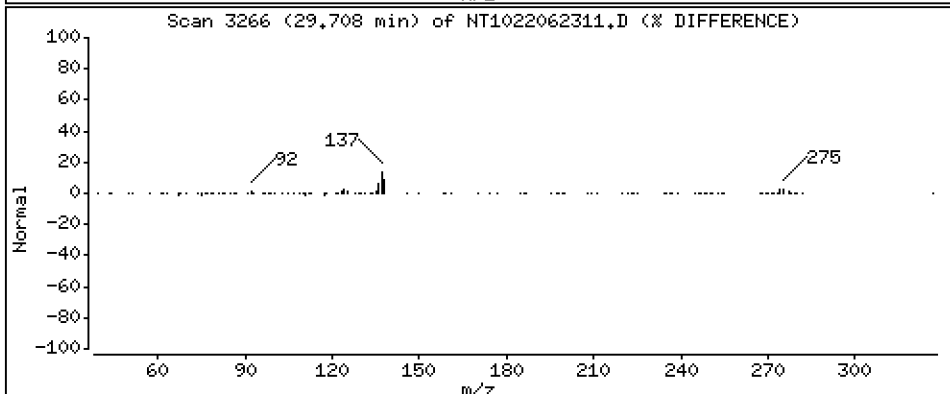
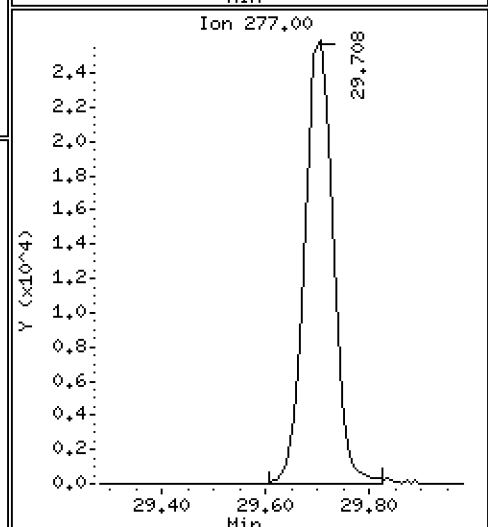
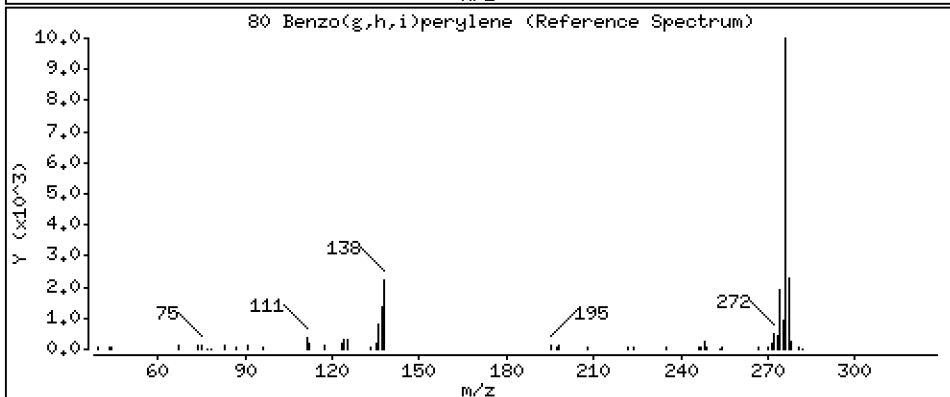
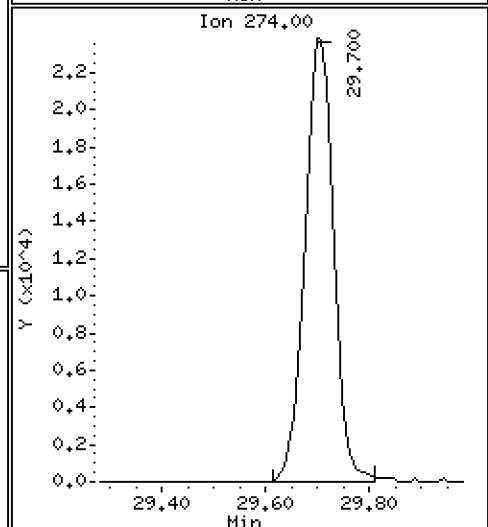
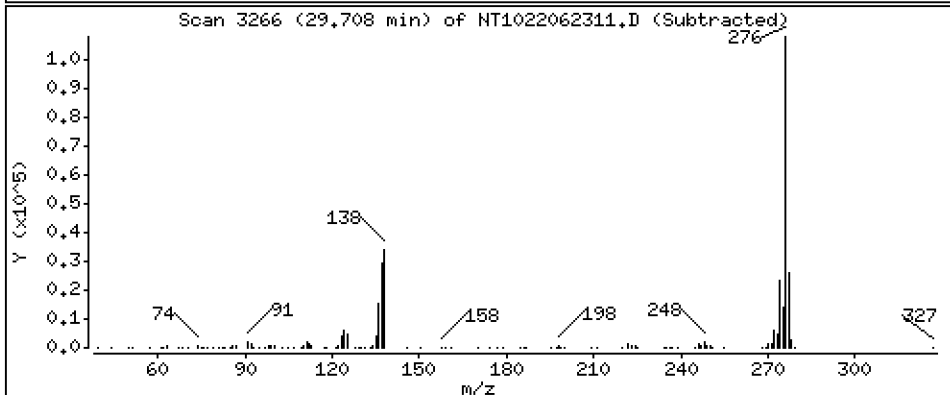
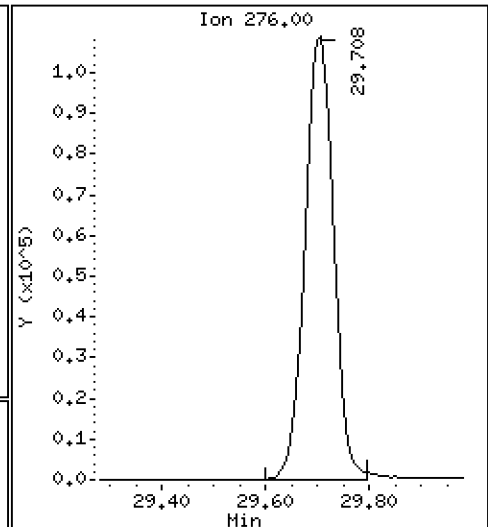
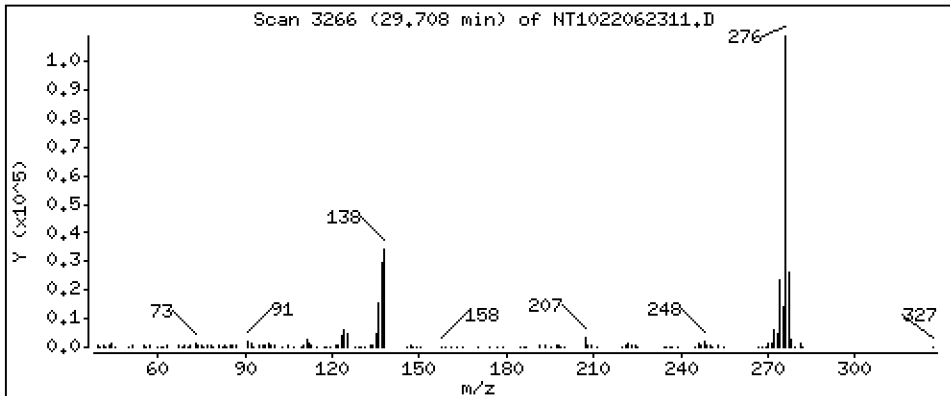
Operator: VTS

Column phase: ZB-5msi

Column diameter: 0,25

80 Benzo(g,h,i)perylene

Concentration: 4,912 ug/mL



Date : 23-JUN-2022 15:20

Client ID:

Instrument: nt10.i

Sample Info: SKF0270-SCV1

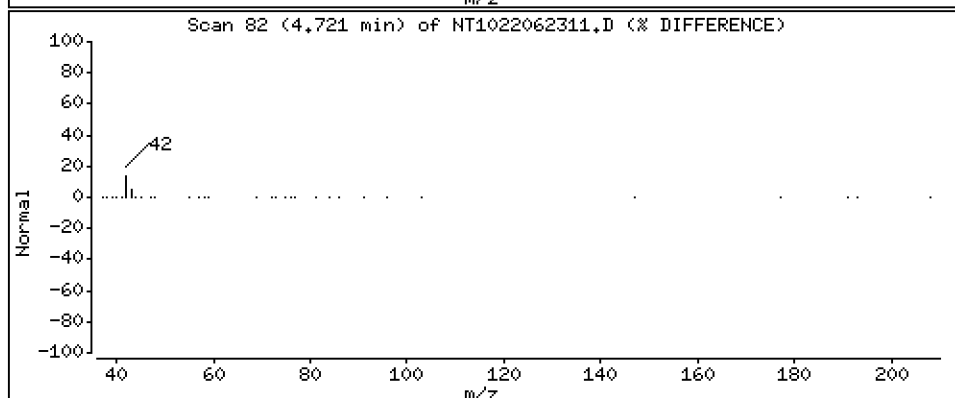
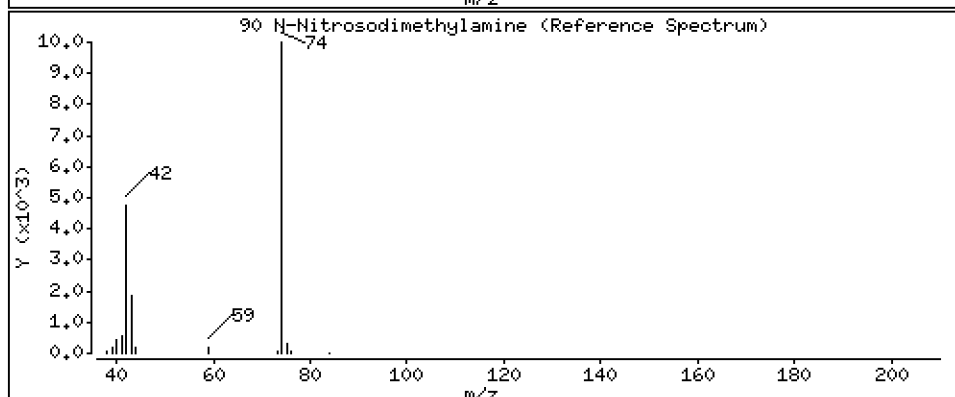
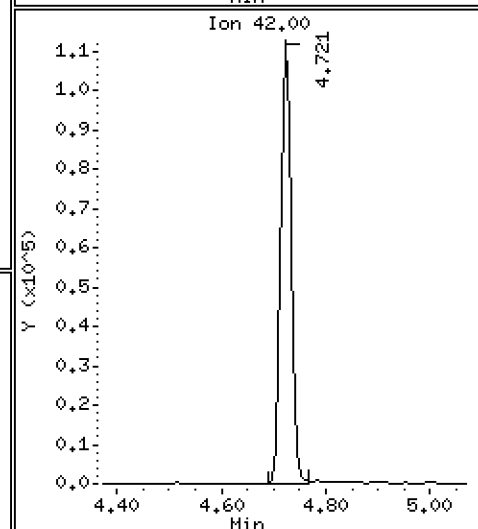
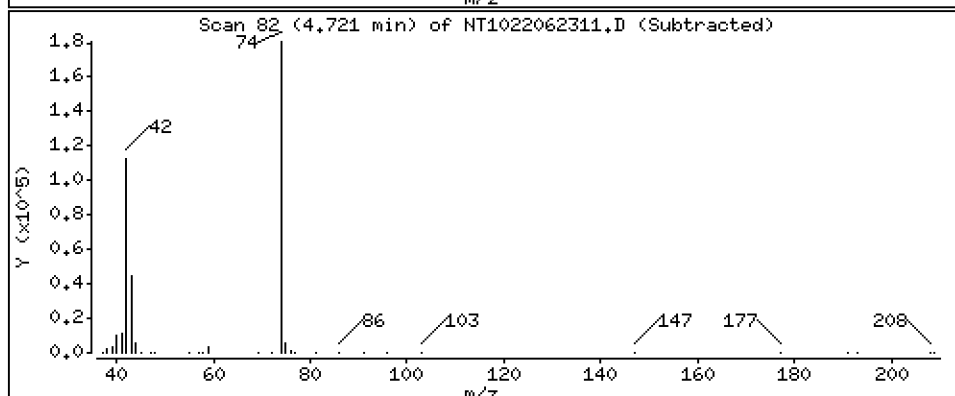
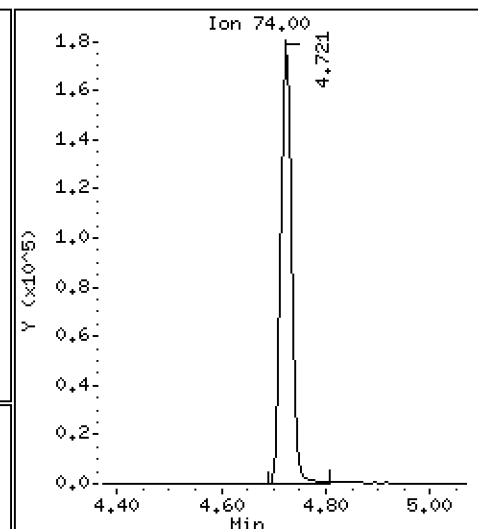
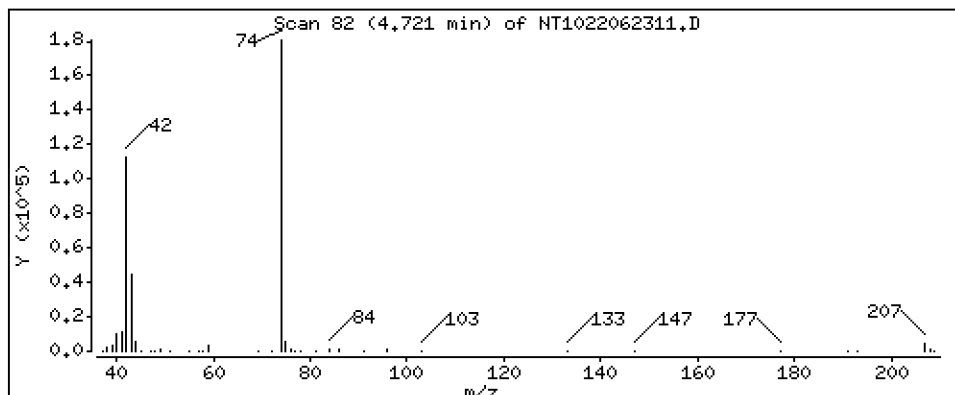
Operator: VTS

Column phase: ZB-5msi

Column diameter: 0,25

90 N-Nitrosodimethylamine

Concentration: 6,686 ug/mL



Date : 23-JUN-2022 15:20

Client ID:

Instrument: nt10.i

Sample Info: SKF0270-SCV1

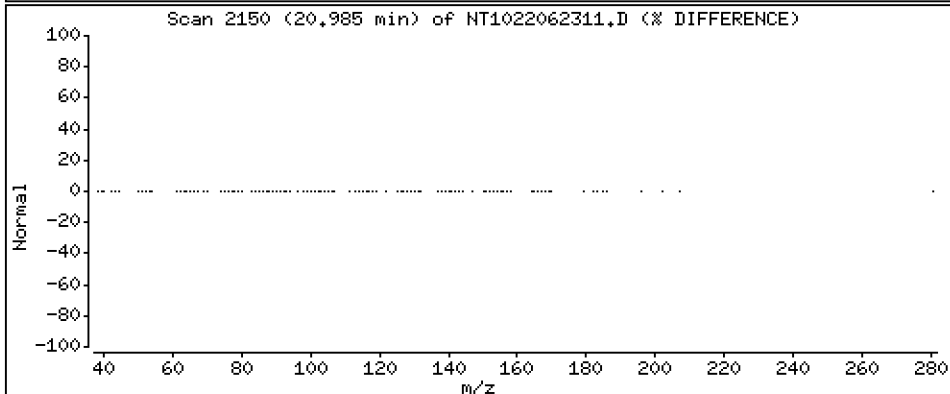
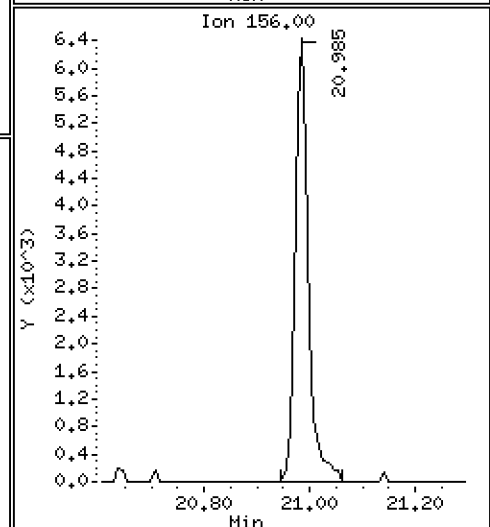
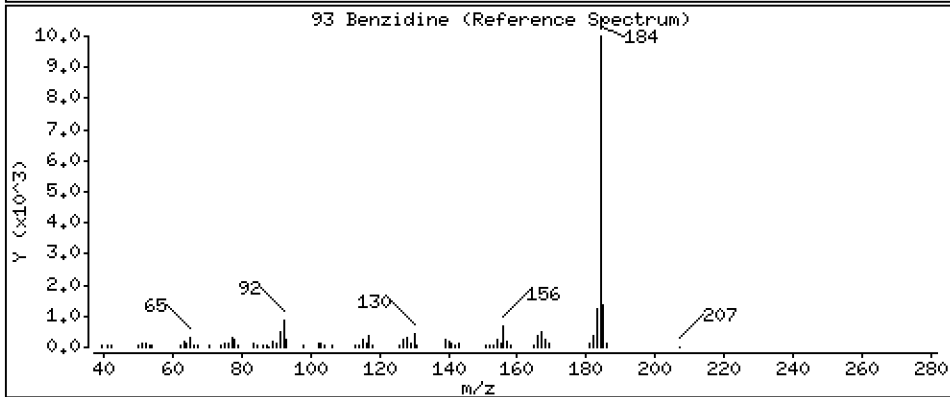
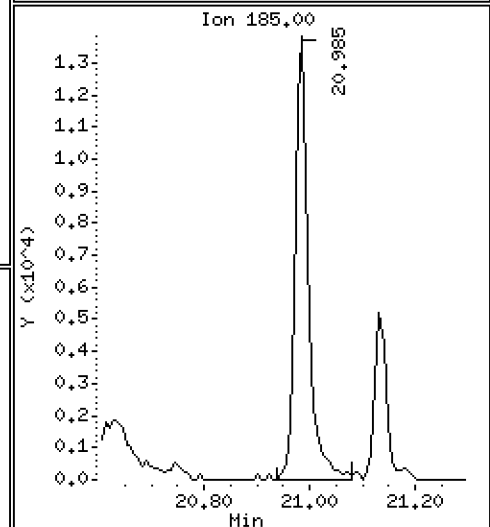
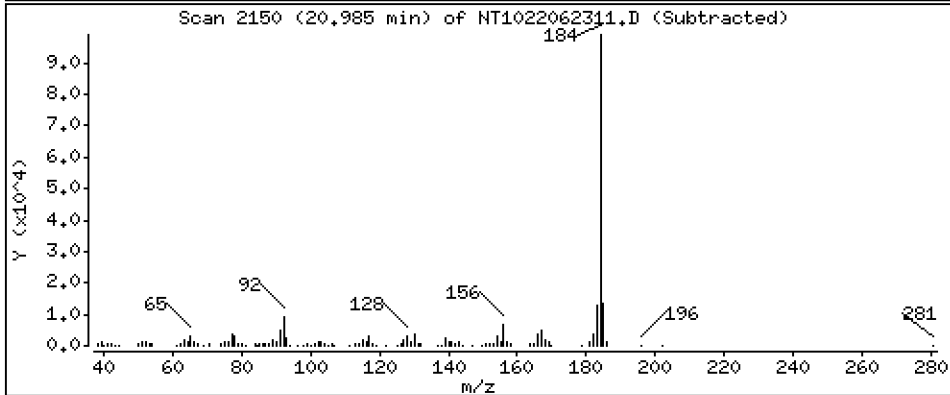
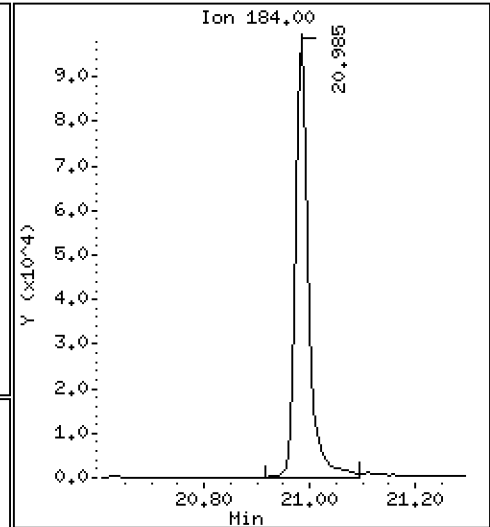
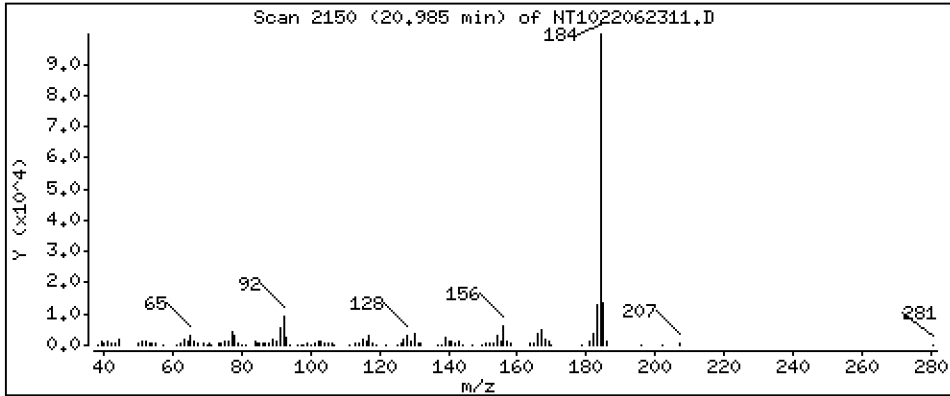
Operator: VTS

Column phase: ZB-5msi

Column diameter: 0,25

93 Benzidine

Concentration: 3,485 ug/mL



Date : 23-JUN-2022 15:20

Client ID:

Instrument: nt10.i

Sample Info: SKF0270-SCV1

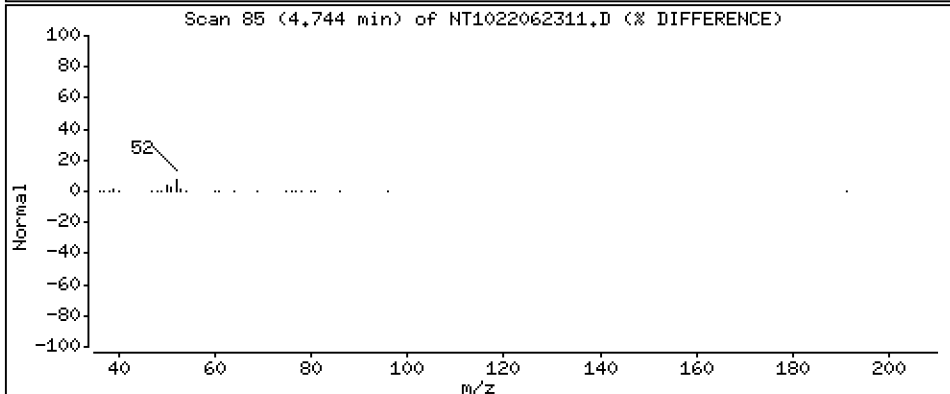
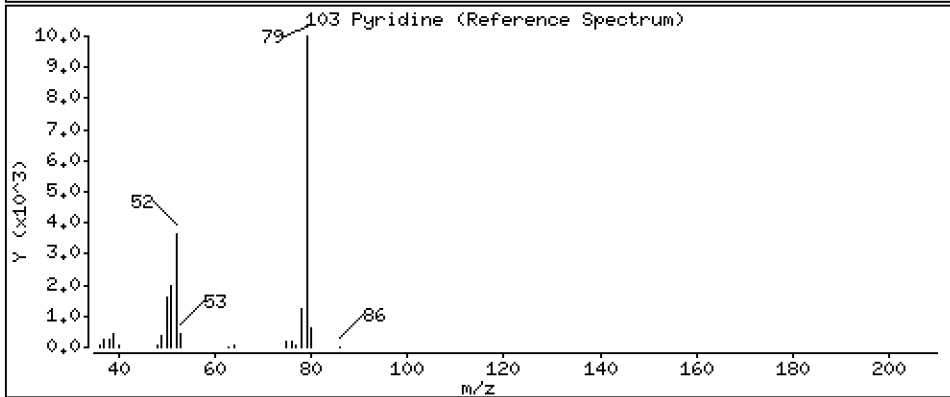
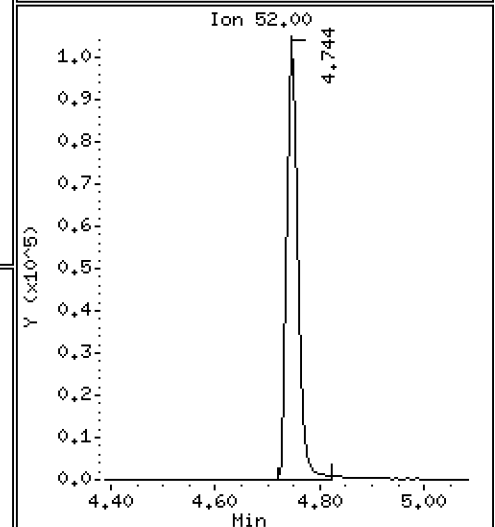
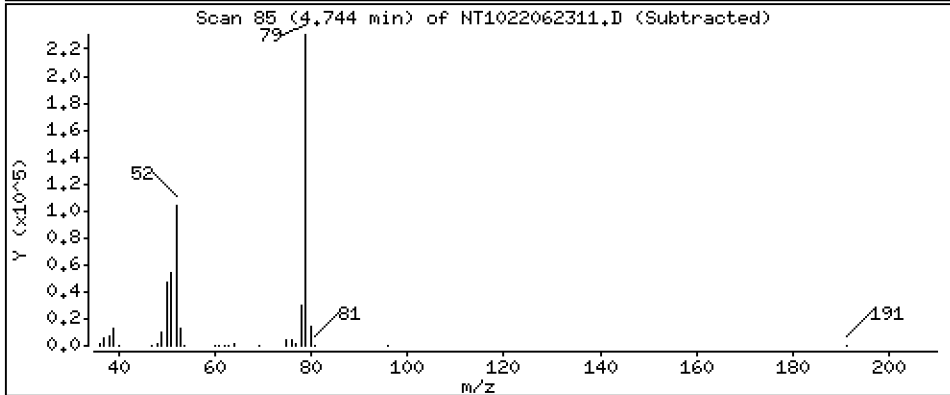
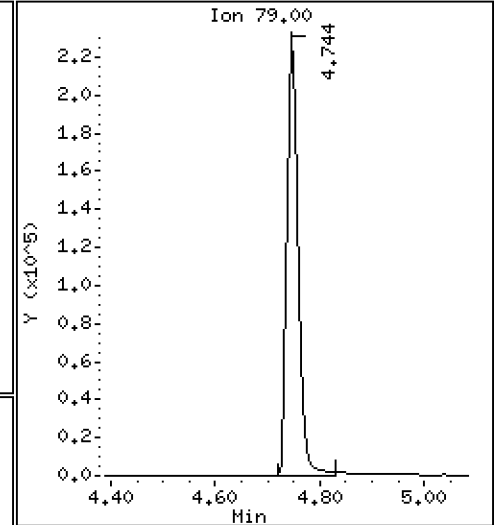
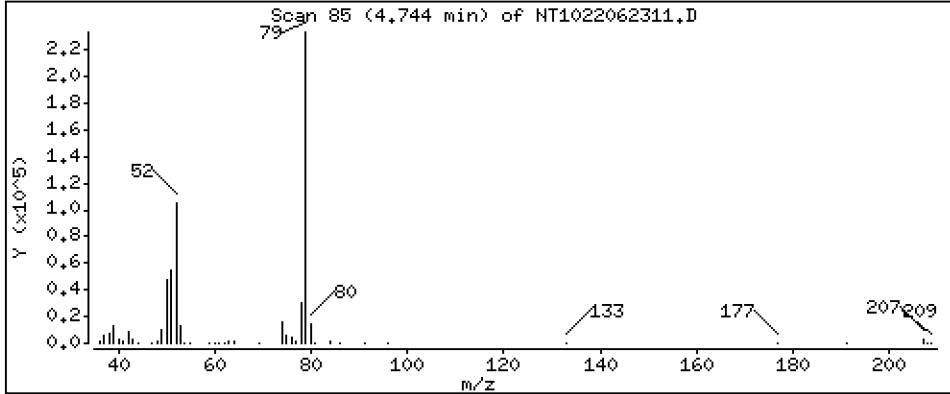
Operator: VTS

Column phase: ZB-5msi

Column diameter: 0,25

103 Pyridine

Concentration: 3,149 ug/mL



Date : 23-JUN-2022 15:20

Client ID:

Instrument: nt10.i

Sample Info: SKF0270-SCV1

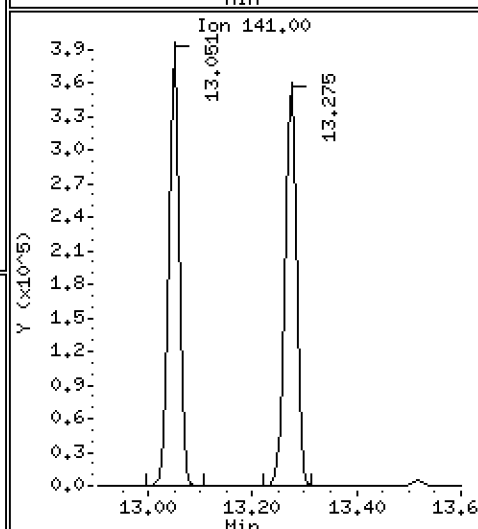
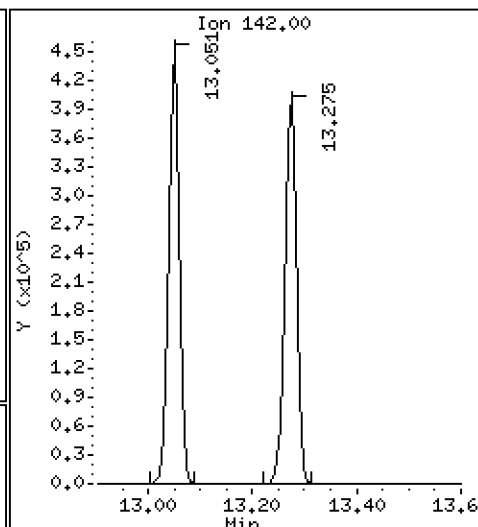
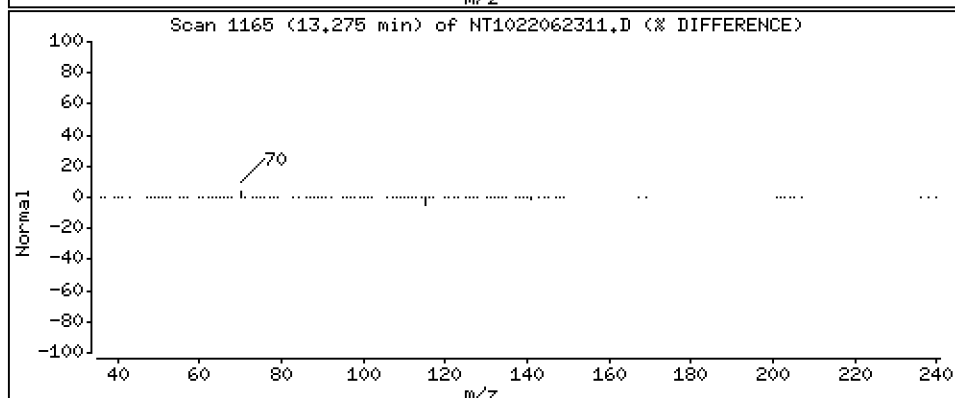
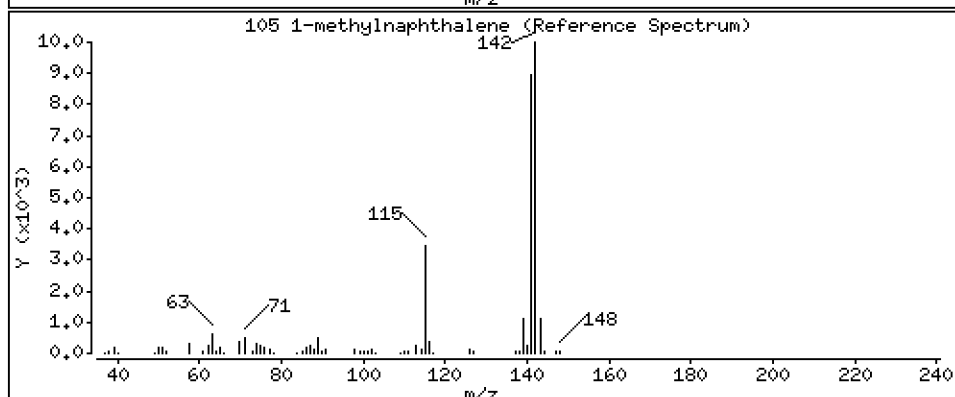
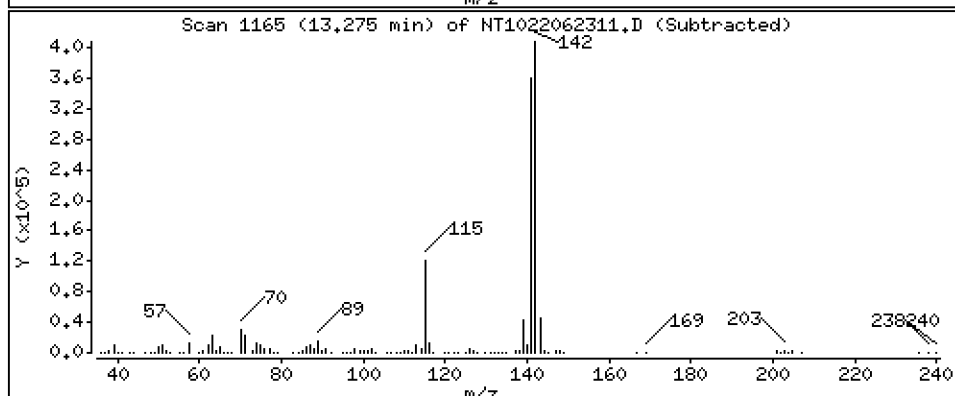
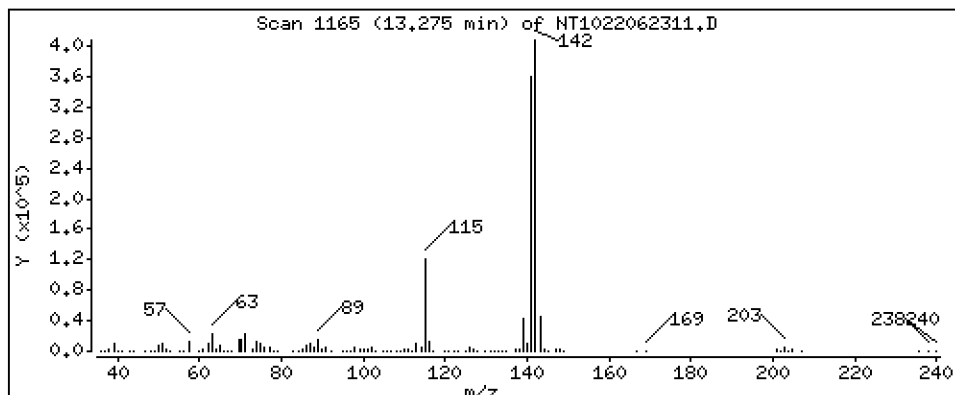
Operator: VTS

Column phase: ZB-5msi

Column diameter: 0,25

105 1-methylnaphthalene

Concentration: 5,162 ug/mL



Date : 23-JUN-2022 15:20

Client ID:

Instrument: nt10.i

Sample Info: SKF0270-SCV1

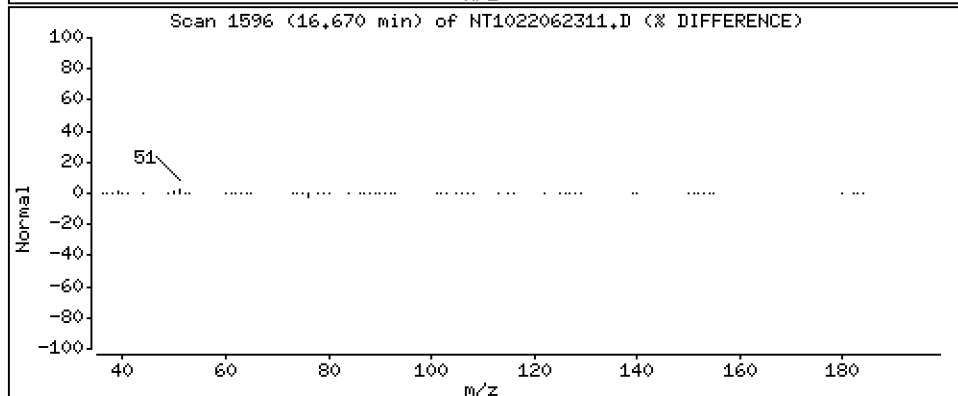
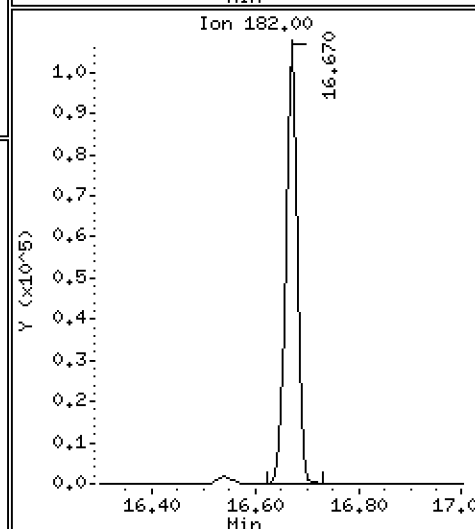
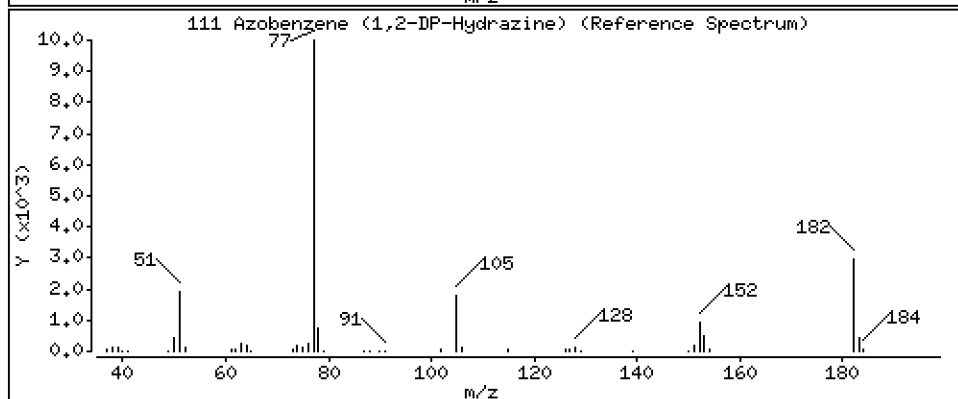
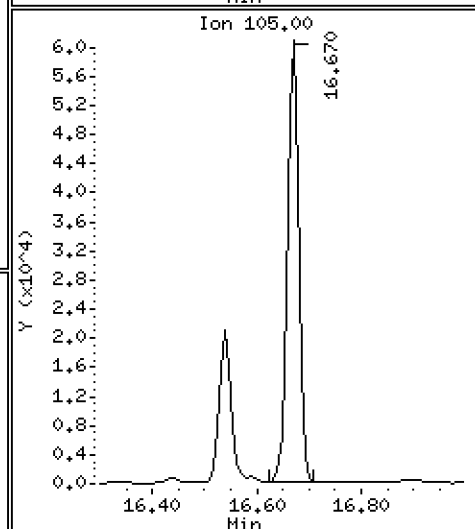
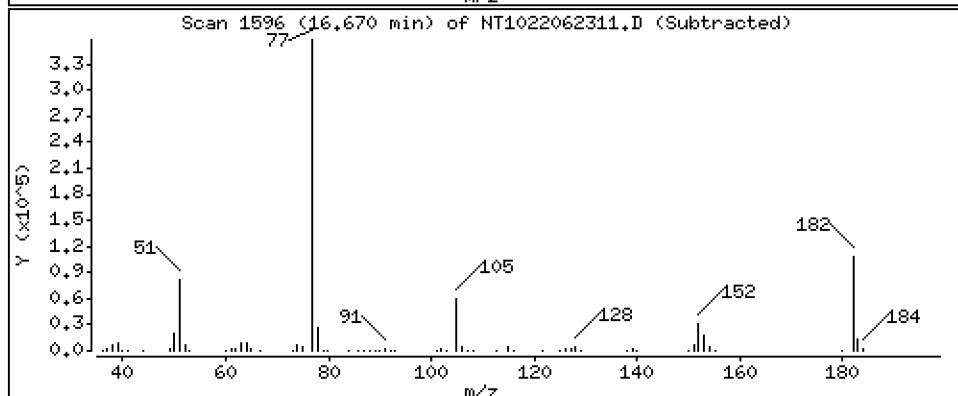
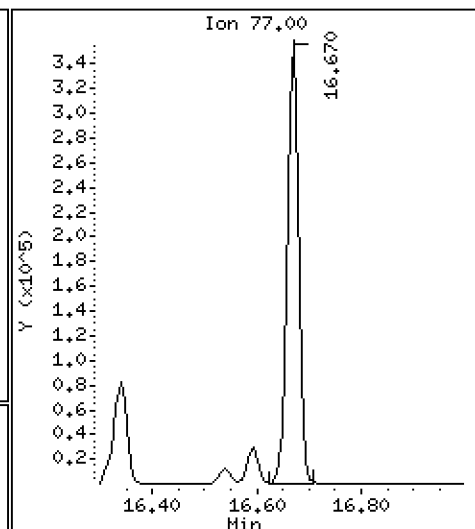
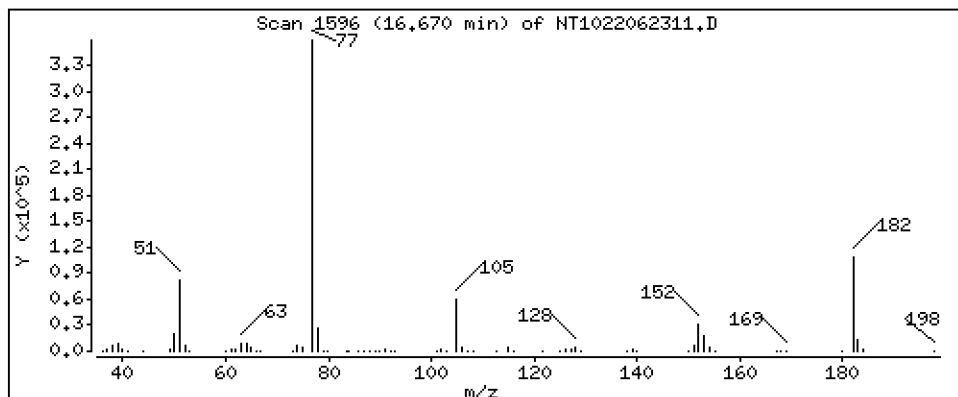
Operator: VTS

Column phase: ZB-5msi

Column diameter: 0,25

111 Azobenzene (1,2-DP-Hydrazine)

Concentration: 4,882 ug/mL



Date : 23-JUN-2022 15:20

Client ID:

Instrument: nt10.i

Sample Info: SKF0270-SCV1

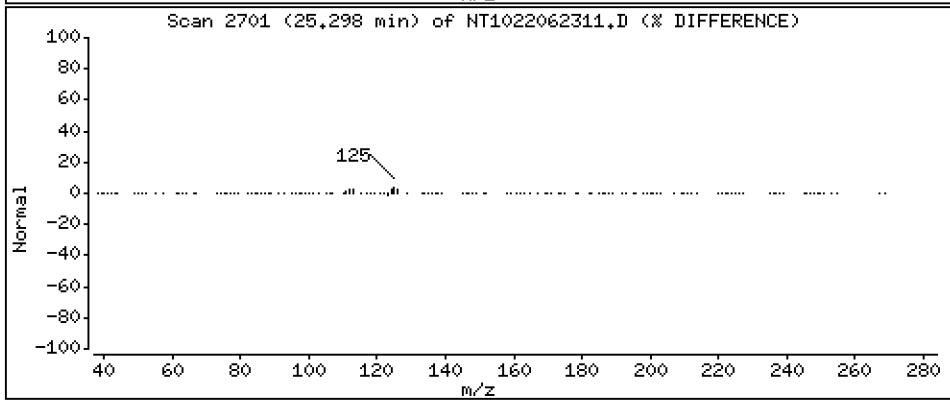
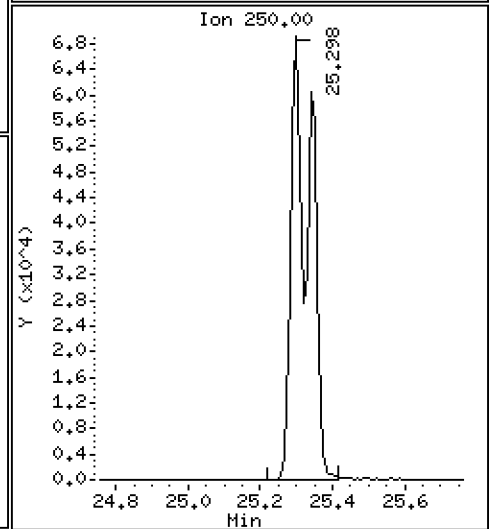
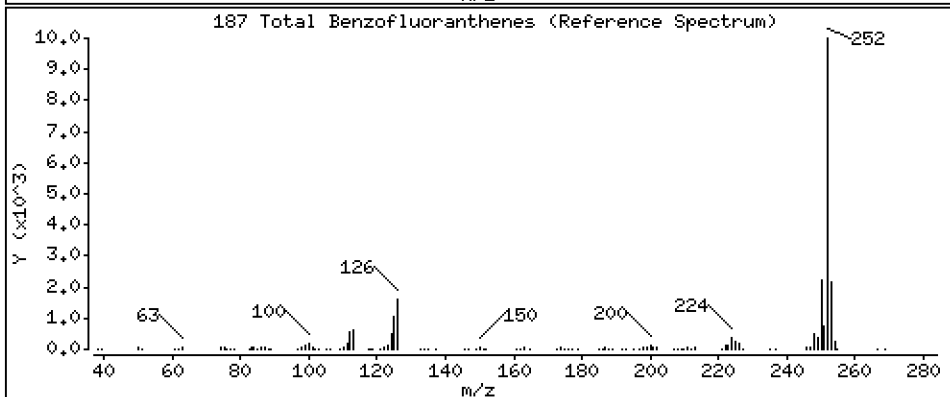
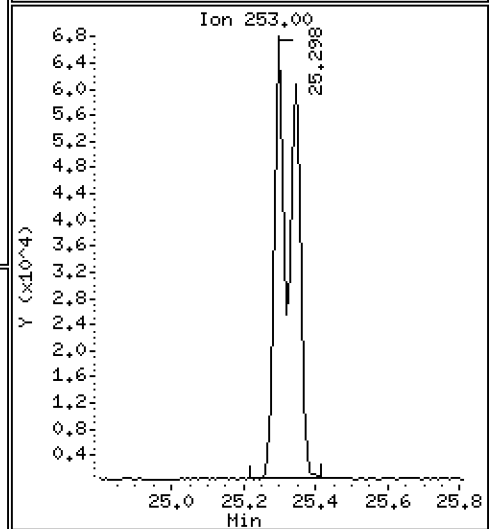
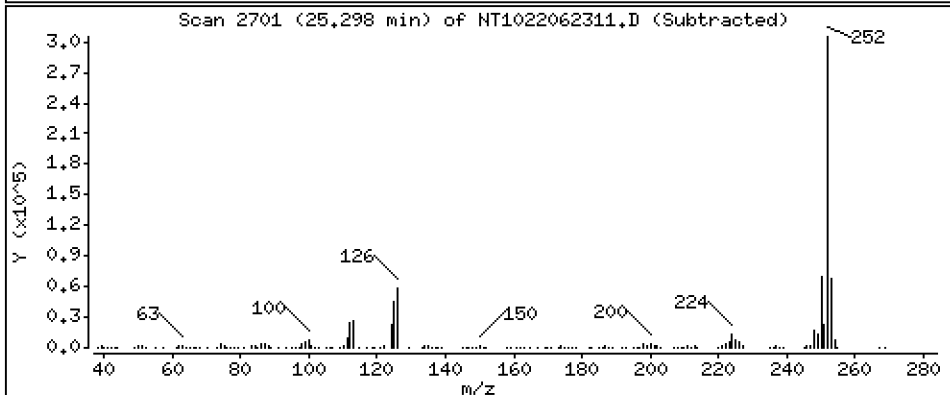
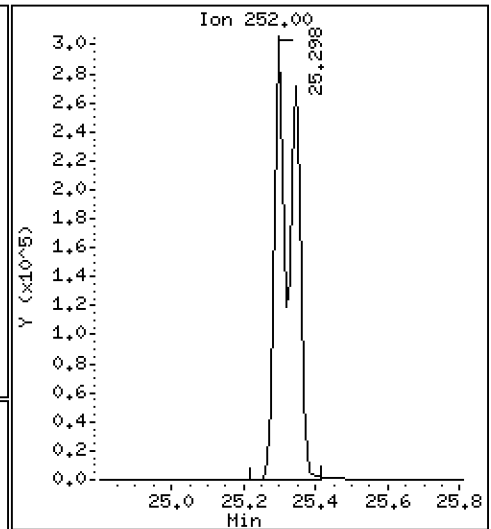
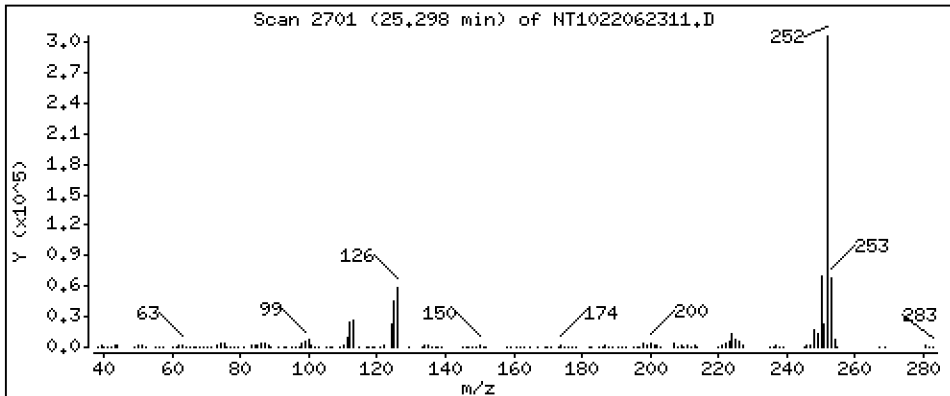
Operator: VTS

Column phase: ZB-5msi

Column diameter: 0,25

187 Total Benzofluoranthenes

Concentration: 9,832 ug/mL



Date : 23-JUN-2022 15:20

Client ID:

Instrument: nt10.i

Sample Info: SKF0270-SCV1

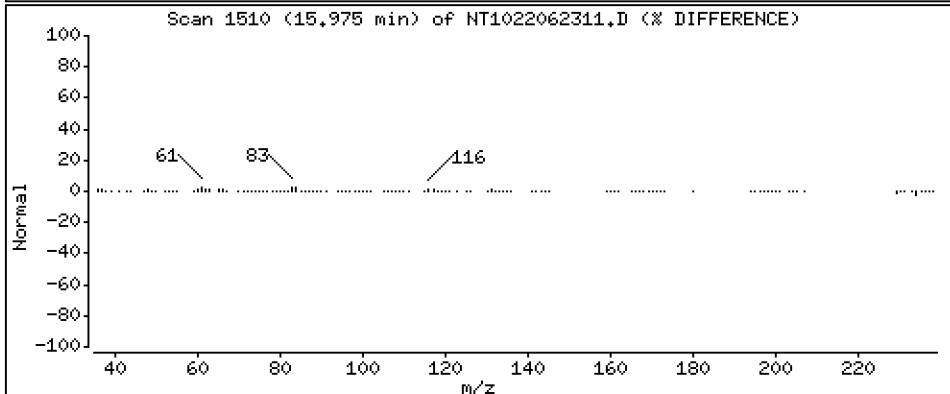
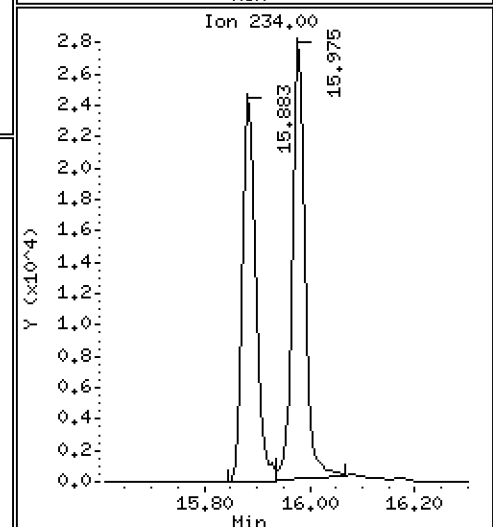
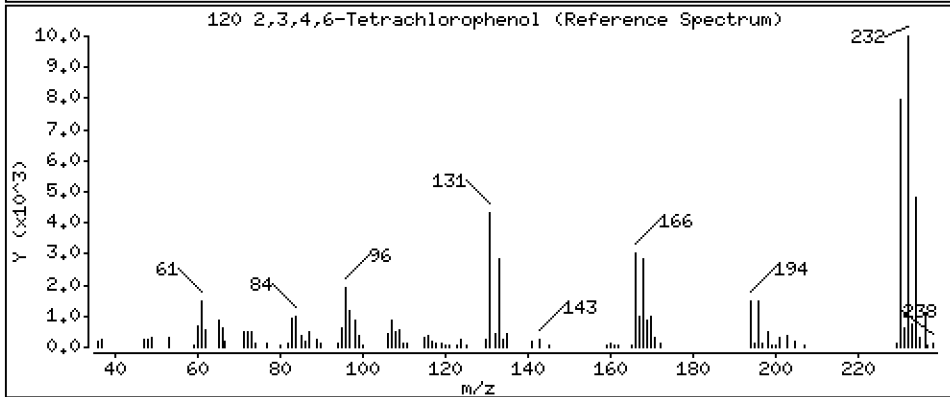
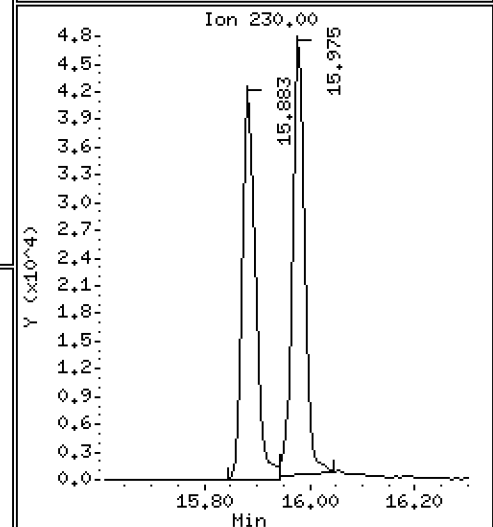
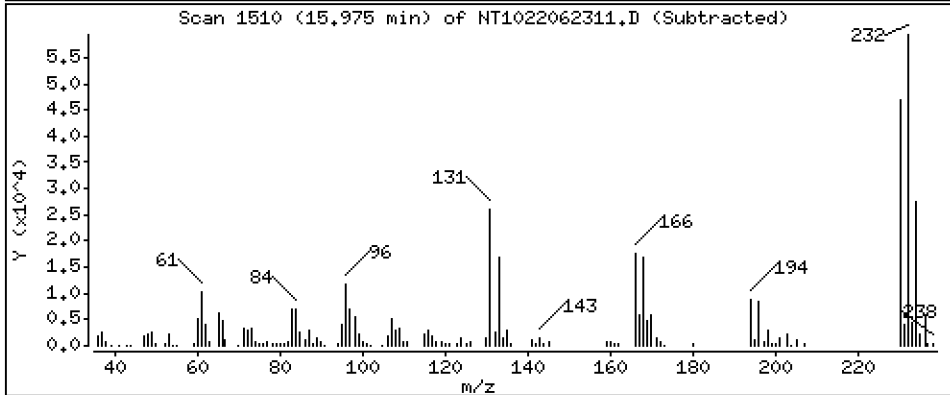
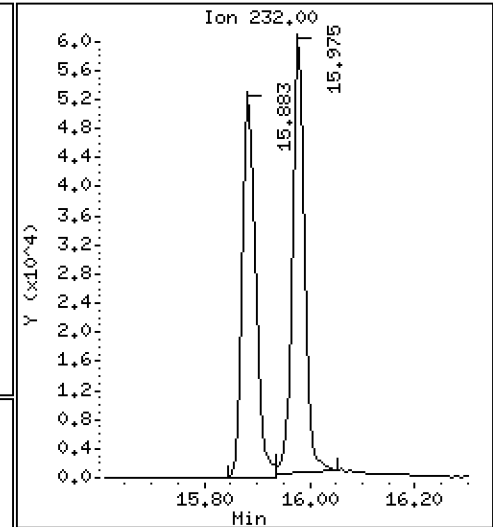
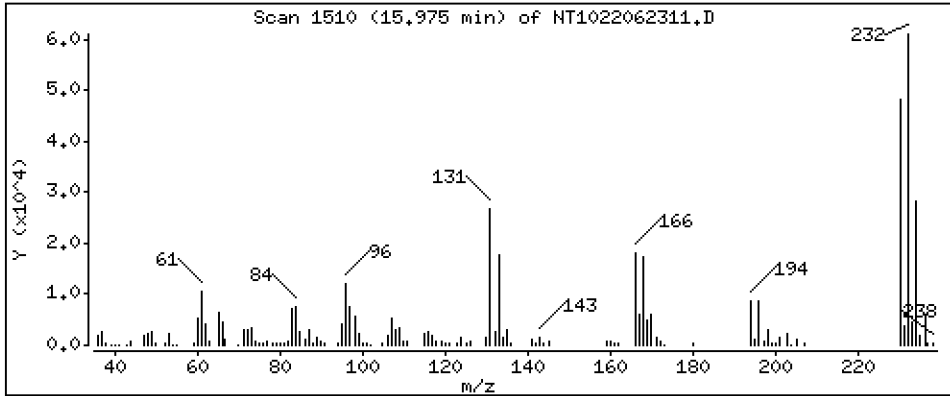
Operator: VTS

Column phase: ZB-5msi

Column diameter: 0,25

120 2,3,4,6-Tetrachlorophenol

Concentration: 4,000 ug/mL



ARI Labs, Inc.

Semivolatile Report SW846 Method 8270D

Data file : \\target\share\chem3\nt10.i\20220623.b\NT1022062311.D
 Lab Smp Id: SKF0270-SCV1
 Inj Date : 23-JUN-2022 15:20
 Operator : VTS
 Smp Info : SKF0270-SCV1
 Misc Info :
 Comment : 1ul Injection
 Method : \\target\share\chem3\nt10.i\20220623.b\ABN.m
 Meth Date : 24-Jun-2022 08:38 yev
 Cal Date : 23-JUN-2022 13:07
 Als bottle: 11
 Dil Factor: 1.00000
 Integrator: HP RTE
 Target Version: 4.14
 Processing Host: ORGDATA102

Inst ID: nt10.i

Quant Type: ISTD
 Cal File: NT1022062308.D

Compound Sublist: ICAL.sub

Compounds	QUANT	SIG	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS	
							ON-COLUMN	FINAL
	MASS						(ug/mL)	(ug/mL)
\$ 1 2-Fluorophenol	112		6.898	6.891	(0.757)	447953	8.01867	8.019
\$ 2 Phenol-d5	99		8.482	8.475	(0.930)	653204	7.88040	7.880
3 Phenol	94		8.506	8.498	(0.933)	370864	5.13458	5.135
\$ 5 2-Chlorophenol-d4	132		8.753	8.745	(0.960)	431694	7.58399	7.584
4 Bis(2-Chloroethyl)ether	93		8.660	8.645	(0.950)	301080	5.79201	5.792
6 2-Chlorophenol	128		8.784	8.776	(0.963)	299371	5.19893	5.199
7 1,3-Dichlorobenzene	146		9.055	9.039	(0.993)	312260	5.01369	5.014
* 8 1,4-Dichlorobenzene-d4	152		9.117	9.101	(1.000)	152987	4.00000	
9 1,4-Dichlorobenzene	146		9.148	9.132	(1.003)	260034	5.29668	5.297
\$ 10 1,2-Dichlorobenzene-d4	152		9.474	9.466	(1.039)	174442	4.97336	4.973
12 1,2-Dichlorobenzene	146		9.505	9.489	(1.043)	265143	5.08744	5.087
11 Benzyl alcohol	108		9.380	9.373	(1.029)	157701	5.48088	5.481
14 2,2'-oxybis(1-Chloropropane)	121		9.683	9.676	(1.062)	87054	7.06310	7.063
13 2-Methylphenol	108		9.613	9.606	(1.054)	197804	4.44171	4.442
17 Hexachloroethane	117		10.095	10.079	(1.107)	115905	5.29620	5.296
16 N-Nitroso-di-n-propylamine	70		9.939	9.924	(1.090)	158444	5.11579	5.116
15 4-Methylphenol	108		9.893	9.877	(1.085)	218560	4.59234	4.592
\$ 18 Nitrobenzene-d5	82		10.203	10.196	(0.879)	266032	4.94671	4.947
19 Nitrobenzene	77		10.242	10.227	(0.883)	278529	5.13849	5.138
20 Isophorone	82		10.684	10.677	(0.921)	581184	7.41183	7.412
21 2-Nitrophenol	139		10.876	10.859	(0.937)	175569	5.12801	5.128
22 2,4-Dimethylphenol	107		10.936	10.919	(0.942)	196968	4.73580	4.736
23 Bis(2-Chloroethoxy)methane	93		11.123	11.106	(0.959)	270186	5.73516	5.735
24 Benzoic acid	105		11.106	11.140	(0.957)	143508	6.62128	6.621
25 2,4-Dichlorophenol	162		11.335	11.326	(0.977)	234378	5.54474	5.545
26 1,2,4-Trichlorobenzene	180		11.519	11.504	(0.993)	221798	4.88841	4.888
* 27 Naphthalene-d8	136		11.604	11.589	(1.000)	505418	4.00000	
28 Naphthalene	128		11.643	11.635	(1.003)	639883	4.94683	4.947
29 4-Chloroaniline	127		11.774	11.758	(1.015)	265378	4.64633	4.646
30 Hexachlorobutadiene	225		12.006	11.990	(1.035)	115567	5.33913	5.339
31 4-Chloro-3-methylphenol	107		12.756	12.741	(1.099)	244559	4.85270	4.853
32 2-Methylnaphthalene	142		13.050	13.035	(1.125)	670266	5.21373	5.214
33 Hexachlorocyclopentadiene	237		13.515	13.499	(0.887)	55412	3.32629	3.326

Compounds	QUANT SIG				CONCENTRATIONS			
	MASS	RT	EXP RT	REL RT	RESPONSE	ON-COLUMN (ug/mL)	FINAL (ug/mL)	
34 2,4,6-Trichlorophenol	196	13.677	13.662	(0.898)	170978	5.24236	5.242	
35 2,4,5-Trichlorophenol	196	13.755	13.739	(0.903)	172769	4.42727	4.427	
§ 36 2-Fluorobiphenyl	172	13.832	13.817	(0.908)	683222	5.26116	5.261	
37 2-Chloronaphthalene	162	14.049	14.033	(0.922)	625328	5.46235	5.462	
38 2-Nitroaniline	65	14.304	14.289	(0.939)	163591	5.34222	5.342	
39 Dimethylphthalate	163	14.738	14.714	(0.967)	500509	4.97347	4.973	
40 Acenaphthylene	152	14.923	14.908	(0.980)	750906	4.47637	4.476	
41 2,6-Dinitrotoluene	165	14.877	14.862	(0.977)	122846	5.25597	5.256	
* 42 Acenaphthene-d10	164	15.233	15.217	(1.000)	286969	4.00000		
43 3-Nitroaniline	138	15.163	15.148	(0.995)	147993	5.37872	5.379	
44 Acenaphthene	153	15.302	15.287	(1.005)	412233	4.93939	4.939	
45 2,4-Dinitrophenol	184	15.380	15.364	(1.010)	21043	2.02332	2.023	
46 Dibenzofuran	168	15.635	15.619	(1.026)	708335	5.34049	5.340	
47 4-Nitrophenol	109	15.511	15.488	(1.018)	40185	4.43466	4.435	
48 2,4-Dinitrotoluene	165	15.689	15.673	(1.030)	165818	5.30810	5.308	
50 Diethylphthalate	149	16.199	16.184	(1.063)	463792	5.37240	5.372	
49 Fluorene	166	16.354	16.331	(1.074)	728048	4.59382	4.594	
51 4-Chlorophenyl-phenylether	204	16.338	16.323	(1.073)	376282	5.40653	5.407	
52 4-Nitroaniline	138	16.439	16.423	(1.079)	140376	5.09381	5.094	
53 4,6-Dinitro-2-methylphenol	198	16.539	16.523	(0.904)	85433	4.31421	4.314	
54 N-Nitrosodiphenylamine	169	16.593	16.570	(0.907)	395951	4.98277	4.983	
§ 55 2,4,6-Tribromophenol	330	16.894	16.870	(1.109)	90754	6.94559	6.946	
56 4-Bromophenyl-phenylether	248	17.348	17.333	(0.948)	200887	5.45634	5.456	
57 Hexachlorobenzene	284	17.673	17.650	(0.966)	171847	5.11363	5.114	
58 Pentachlorophenol	266	18.037	18.014	(0.986)	24841	3.23849	3.238	
* 59 Phenanthrene-d10	188	18.300	18.277	(1.000)	505363	4.00000		
60 Phenanthrene	178	18.347	18.323	(1.003)	649666	4.89322	4.893	
61 Anthracene	178	18.439	18.416	(1.008)	683072	4.82784	4.828	
62 Carbazole	167	18.772	18.749	(1.026)	726709	5.56744	5.567	
63 Di-n-butylphthalate	149	19.584	19.554	(1.070)	1082696	5.32836	5.328	
64 Fluoranthene	202	20.753	20.722	(0.887)	1048305	4.19233	4.192	
65 Pyrene	202	21.178	21.147	(0.905)	1006992	4.57159	4.572	
§ 66 Terphenyl-d14	244	21.465	21.441	(0.918)	561068	4.66854	4.669	
67 Butylbenzylphthalate	149	22.401	22.371	(0.958)	338140	4.86029	4.860	
68 Benzo(a)anthracene	228	23.362	23.331	(0.999)	707995	4.85155	4.852	
* 69 Chrysene-d12	240	23.393	23.354	(1.000)	344386	4.00000		
70 3,3'-Dichlorobenzidine	252	23.315	23.284	(0.997)	559597	11.7678	11.77	
71 Chrysene	228	23.439	23.400	(1.002)	479984	4.72467	4.725	
72 bis(2-Ethylhexyl)phthalate	149	23.447	23.416	(0.959)	366071	5.06090	5.061	
* 134 Di-n-octylphthalate-d4	153	24.453	24.422	(1.000)	654412	4.00000		
73 Di-n-octylphthalate	149	24.469	24.430	(1.001)	818367	5.50195	5.502	
74 Benzo(b)fluoranthene	252	25.297	25.258	(0.969)	600074	4.95534	4.955	
75 Benzo(k)fluoranthene	252	25.344	25.305	(0.971)	612767	5.26231	5.262	
76 Benzo(a)pyrene	252	25.979	25.932	(0.996)	485665	4.90022	4.900	
* 77 Perylene-d12	264	26.095	26.048	(1.000)	267390	4.00000		
78 Indeno(1,2,3-cd)pyrene	276	28.884	28.814	(1.107)	503980	4.76253	4.763	
79 Dibenzo(a,h)anthracene	278	28.900	28.830	(1.107)	378728	4.67505	4.675	
80 Benzo(g,h,i)perylene	276	29.707	29.630	(1.138)	415473	4.91157	4.912	
90 N-Nitrosodimethylamine	74	4.720	4.720	(0.518)	244386	6.68622	6.686	
91 Aniline	93	Compound Not Detected.						
93 Benzidine	184	20.985	20.954	(0.897)	177079	3.48536	3.485	
103 Pyridine	79	4.743	4.736	(0.520)	326265	3.14892	3.149	
105 1-methylnaphthalene	142	13.275	13.252	(1.144)	651979	5.16205	5.162	
111 Azobenzene (1,2-DP-Hydrazine)	77	16.670	16.647	(1.094)	559493	4.88168	4.882	

Compounds	QUANT SIG	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS	
						ON-COLUMN (ug/mL)	FINAL (ug/mL)
187 Total Benzofluoranthenes	252	25.297	25.305	(0.969)	1110070	9.83152	9.832
120 2,3,4,6-Tetrachlorophenol	232	15.975	15.959	(1.049)	100330	3.99993	4.000

ARI Labs, Inc.

INTERNAL STANDARD COMPOUNDS
 AREA AND RT SUMMARY

Instrument ID: nt10.i Calibration Date: 23-JUN-2022
 Lab File ID: NT1022062311.D Calibration Time: 16:38
 Lab Smp Id: SKF0270-SCV1
 Analysis Type: SV Level:
 Quant Type: ISTD Sample Type:
 Operator: VTS
 Method File: \\target\share\chem3\nt10.i\20220623.b\ABN.m
 Misc Info:

Test Mode:
 Use Last Continuing Calibrator.

COMPOUND	STANDARD	AREA LIMIT		SAMPLE	%DIFF
		LOWER	UPPER		
8 1,4-Dichlorobenze	149714	74857	299428	152987	2.19
27 Naphthalene-d8	491315	245658	982630	505418	2.87
42 Acenaphthene-d10	286589	143295	573178	286969	0.13
59 Phenanthrene-d10	498820	249410	997640	505363	1.31
69 Chrysene-d12	311295	155648	622590	344386	10.63
134 Di-n-octylphthala	577982	288991	1155964	654412	13.22
77 Perylene-d12	218550	109275	437100	267390	22.35

COMPOUND	STANDARD	RT LIMIT		SAMPLE	%DIFF
		LOWER	UPPER		
8 1,4-Dichlorobenze	9.10	8.60	9.60	9.12	0.17
27 Naphthalene-d8	11.59	11.09	12.09	11.60	0.13
42 Acenaphthene-d10	15.22	14.72	15.72	15.23	0.10
59 Phenanthrene-d10	18.28	17.78	18.78	18.30	0.13
69 Chrysene-d12	23.35	22.85	23.85	23.39	0.17
134 Di-n-octylphthala	24.42	23.92	24.92	24.45	0.13
77 Perylene-d12	26.05	25.55	26.55	26.10	0.18

AREA UPPER LIMIT = +100% of internal standard area.
 AREA LOWER LIMIT = - 50% of internal standard area.
 RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
 RT LOWER LIMIT = - 0.50 minutes of internal standard RT.

REVIEW SUMMARY FOR FILE - NT1022062311.D

Lab ID: SKF0270-SCV1
nt10.i, ABN.m, 23-JUN-2022 15:20

RT CO-ELUTION COMPOUNDS

NO CO-ELUTIONS

Quant Method: ICAL

RRT CHECK

RRT	CCV	RRT	DELTA	COMPOUND
-----	-----	-----	-------	----------

NONE

RRT check based on Ccal File: NT1022062313.D

On Column LOD for nt10.i, ABN.m, ICAL.sub = 0.0000

* Only compounds listed in the work order have been verified by the analyst *

Data File: \\target\share\chem3\nt10.1\20220623.1\NT1022062312.D

Date: 23-JUN-2022 15:59

Client ID:

Sample Info: SKF0270-ICB1

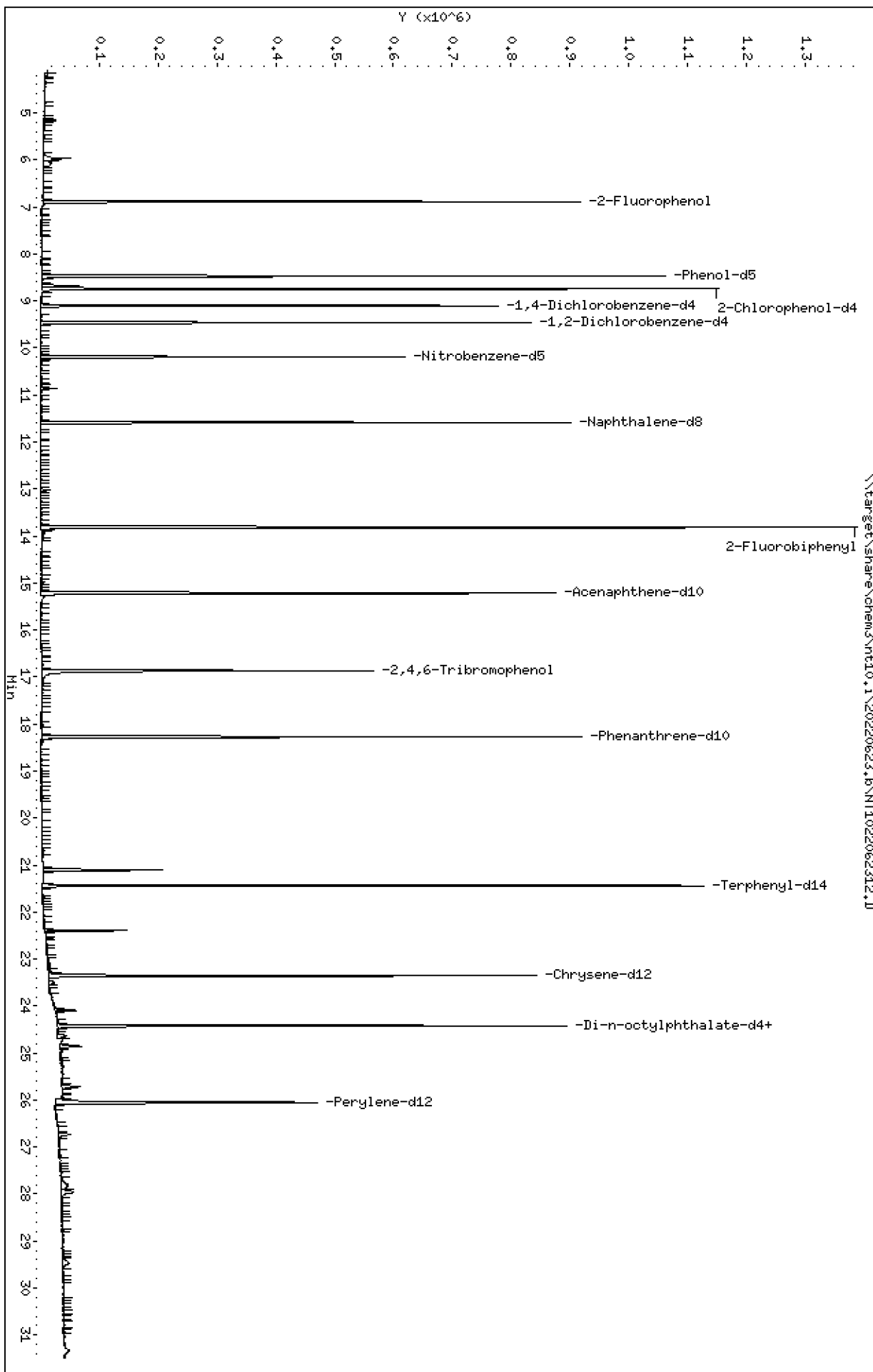
Column phase: ZB-5msi

Instrument: nt10.1

Operator: VTS

Column diameter: 0.25

Page 1



Date : 23-JUN-2022 15:59

Client ID:

Instrument: nt10.i

Sample Info: SKF0270-ICB1

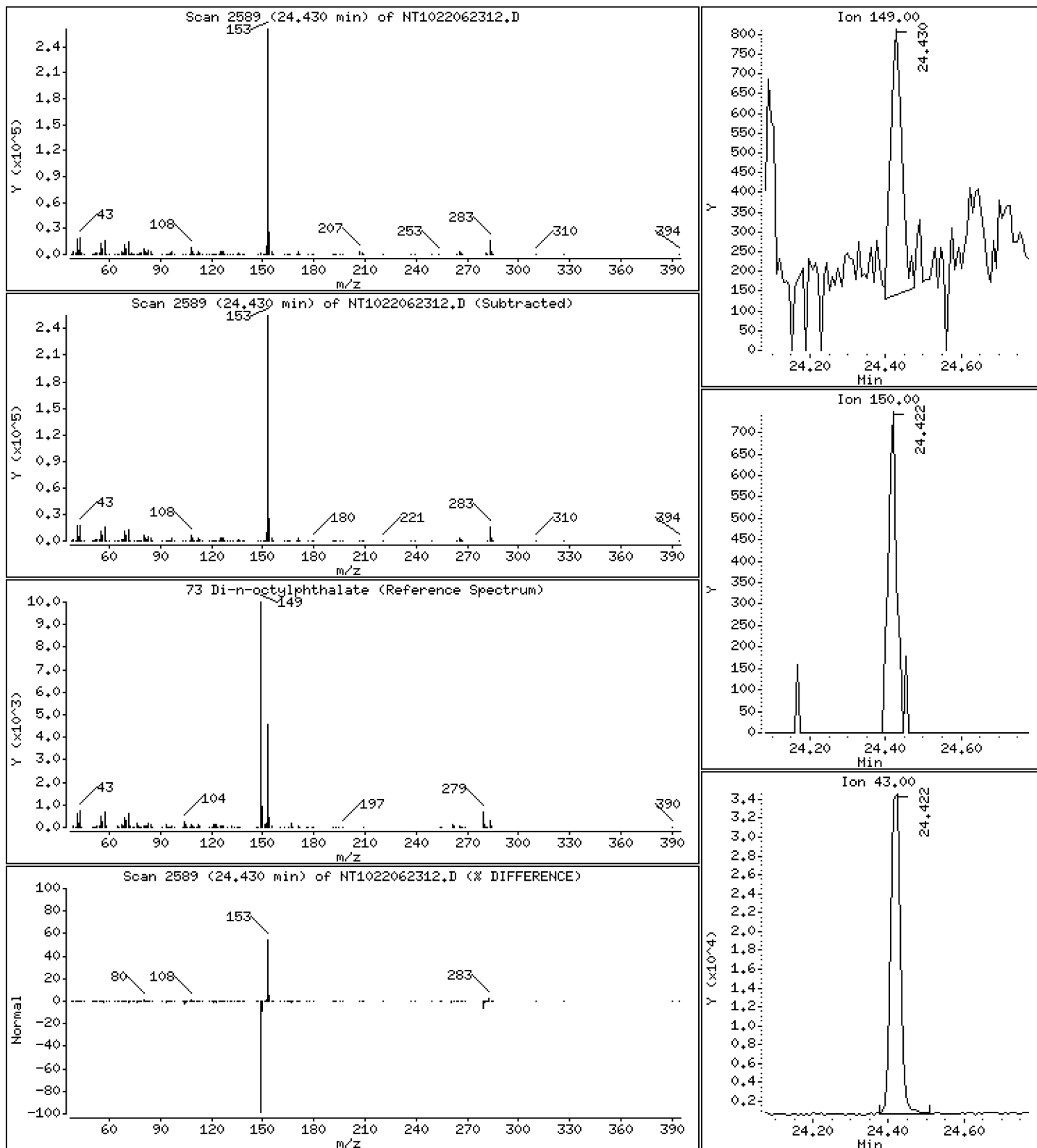
Operator: VTS

Column phase: ZB-5msi

Column diameter: 0,25

73 Di-n-octylphthalate

Concentration: 0,008243 ug/mL



ARI Labs, Inc.

Semivolatile Report SW846 Method 8270D

Data file : \\target\share\chem3\nt10.i\20220623.b\NT1022062312.D
 Lab Smp Id: SKF0270-ICB1
 Inj Date : 23-JUN-2022 15:59
 Operator : VTS
 Smp Info : SKF0270-ICB1
 Misc Info :
 Comment : 1ul Injection
 Method : \\target\share\chem3\nt10.i\20220623.b\ABN.m
 Meth Date : 24-Jun-2022 08:38 yev
 Cal Date : 23-JUN-2022 13:07
 Als bottle: 12
 Dil Factor: 1.00000
 Integrator: HP RTE
 Target Version: 4.14
 Processing Host: ORGDATA102

Inst ID: nt10.i

Quant Type: ISTD
 Cal File: NT1022062308.D

Compound Sublist: ICAL.sub

Compounds	QUANT	SIG	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS	
							ON-COLUMN	FINAL
	MASS						(ug/mL)	(ug/mL)
=====	====		====	=====	=====	=====	=====	=====
\$ 1 2-Fluorophenol	112		6.890	6.891	(0.757)	469441	6.15387	6.154
\$ 2 Phenol-d5	99		8.474	8.475	(0.931)	663298	5.86011	5.860
3 Phenol	94		Compound Not Detected.					
\$ 5 2-Chlorophenol-d4	132		8.745	8.745	(0.961)	566866	7.29288	7.293
4 Bis(2-Chloroethyl)ether	93		Compound Not Detected.					
6 2-Chlorophenol	128		Compound Not Detected.					
7 1,3-Dichlorobenzene	146		Compound Not Detected.					
* 8 1,4-Dichlorobenzene-d4	152		9.101	9.101	(1.000)	208909	4.00000	
9 1,4-Dichlorobenzene	146		Compound Not Detected.					
\$ 10 1,2-Dichlorobenzene-d4	152		9.465	9.466	(1.040)	231512	4.83359	4.834
12 1,2-Dichlorobenzene	146		Compound Not Detected.					
11 Benzyl alcohol	108		Compound Not Detected.					
14 2,2'-oxybis(1-Chloropropane)	121		Compound Not Detected.					
13 2-Methylphenol	108		Compound Not Detected.					
17 Hexachloroethane	117		Compound Not Detected.					
16 N-Nitroso-di-n-propylamine	70		Compound Not Detected.					
15 4-Methylphenol	108		Compound Not Detected.					
\$ 18 Nitrobenzene-d5	82		10.187	10.196	(0.879)	356699	4.62556	4.626
19 Nitrobenzene	77		Compound Not Detected.					
20 Isophorone	82		Compound Not Detected.					
21 2-Nitrophenol	139		Compound Not Detected.					
22 2,4-Dimethylphenol	107		Compound Not Detected.					
23 Bis(2-Chloroethoxy)methane	93		Compound Not Detected.					
24 Benzoic acid	105		Compound Not Detected.					
25 2,4-Dichlorophenol	162		Compound Not Detected.					
26 1,2,4-Trichlorobenzene	180		Compound Not Detected.					
* 27 Naphthalene-d8	136		11.588	11.589	(1.000)	724721	4.00000	
28 Naphthalene	128		Compound Not Detected.					
29 4-Chloroaniline	127		Compound Not Detected.					
30 Hexachlorobutadiene	225		Compound Not Detected.					
31 4-Chloro-3-methylphenol	107		Compound Not Detected.					
32 2-Methylnaphthalene	142		Compound Not Detected.					
33 Hexachlorocyclopentadiene	237		Compound Not Detected.					

Compounds	QUANT	SIG	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS	
							ON-COLUMN (ug/mL)	FINAL (ug/mL)
=====	=====	=====	=====	=====	=====	=====	=====	=====
34 2,4,6-Trichlorophenol	196							
35 2,4,5-Trichlorophenol	196							
\$ 36 2-Fluorobiphenyl	172		13.816	13.817	(0.908)	763394	4.66623	4.666
37 2-Chloronaphthalene	162							
38 2-Nitroaniline	65							
39 Dimethylphthalate	163							
40 Acenaphthylene	152							
41 2,6-Dinitrotoluene	165							
* 42 Acenaphthene-d10	164		15.217	15.217	(1.000)	361524	4.00000	
43 3-Nitroaniline	138							
44 Acenaphthene	153							
45 2,4-Dinitrophenol	184							
46 Dibenzofuran	168							
47 4-Nitrophenol	109							
48 2,4-Dinitrotoluene	165							
50 Diethylphthalate	149							
49 Fluorene	166							
51 4-Chlorophenyl-phenylether	204							
52 4-Nitroaniline	138							
53 4,6-Dinitro-2-methylphenol	198							
54 N-Nitrosodiphenylamine	169							
\$ 55 2,4,6-Tribromophenol	330		16.870	16.870	(1.109)	111872	6.79769	6.798
56 4-Bromophenyl-phenylether	248							
57 Hexachlorobenzene	284							
58 Pentachlorophenol	266							
* 59 Phenanthrene-d10	188		18.277	18.277	(1.000)	629366	4.00000	
60 Phenanthrene	178							
61 Anthracene	178							
62 Carbazole	167							
63 Di-n-butylphthalate	149							
64 Fluoranthene	202							
65 Pyrene	202							
\$ 66 Terphenyl-d14	244		21.441	21.441	(0.918)	651754	4.00251	4.003
67 Butylbenzylphthalate	149							
68 Benzo(a)anthracene	228							
* 69 Chrysene-d12	240		23.354	23.354	(1.000)	466619	4.00000	
70 3,3'-Dichlorobenzidine	252							
71 Chrysene	228							
72 bis(2-Ethylhexyl)phthalate	149							
* 134 Di-n-octylphthalate-d4	153		24.422	24.422	(1.000)	716301	4.00000	
73 Di-n-octylphthalate	149		24.430	24.430	(1.000)	1342	0.00824	0.008243
74 Benzo(b)fluoranthene	252							
75 Benzo(k)fluoranthene	252							
76 Benzo(a)pyrene	252							
* 77 Perylene-d12	264		26.056	26.048	(1.000)	359159	4.00000	
78 Indeno(1,2,3-cd)pyrene	276							
79 Dibenzo(a,h)anthracene	278							
80 Benzo(g,h,i)perylene	276							
90 N-Nitrosodimethylamine	74							
91 Aniline	93							
93 Benzidine	184							
103 Pyridine	79							
105 1-methylnaphthalene	142							
111 Azobenzene (1,2-DP-Hydrazine)	77							

Compounds	QUANT MASS	SIG	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS	
							ON-COLUMN (ug/mL)	FINAL (ug/mL)
=====	=====	=====	=====	=====	=====	=====	=====	
187 Total Benzofluoranthenes	252				Compound Not Detected.			
120 2,3,4,6-Tetrachlorophenol	232				Compound Not Detected.			

ARI Labs, Inc.

INTERNAL STANDARD COMPOUNDS
 AREA AND RT SUMMARY

Instrument ID: nt10.i Calibration Date: 23-JUN-2022
 Lab File ID: NT1022062312.D Calibration Time: 16:38
 Lab Smp Id: SKF0270-ICB1
 Analysis Type: SV Level:
 Quant Type: ISTD Sample Type:
 Operator: VTS
 Method File: \\target\share\chem3\nt10.i\20220623.b\ABN.m
 Misc Info:

Test Mode:
 Use Last Continuing Calibrator.

COMPOUND	STANDARD	AREA LIMIT		SAMPLE	%DIFF
		LOWER	UPPER		
8 1,4-Dichlorobenze	149714	74857	299428	208909	39.54
27 Naphthalene-d8	491315	245658	982630	724721	47.51
42 Acenaphthene-d10	286589	143295	573178	361524	26.15
59 Phenanthrene-d10	498820	249410	997640	629366	26.17
69 Chrysene-d12	311295	155648	622590	466619	49.90
134 Di-n-octylphthala	577982	288991	1155964	716301	23.93
77 Perylene-d12	218550	109275	437100	359159	64.34

COMPOUND	STANDARD	RT LIMIT		SAMPLE	%DIFF
		LOWER	UPPER		
8 1,4-Dichlorobenze	9.10	8.60	9.60	9.10	-0.00
27 Naphthalene-d8	11.59	11.09	12.09	11.59	-0.00
42 Acenaphthene-d10	15.22	14.72	15.72	15.22	-0.00
59 Phenanthrene-d10	18.28	17.78	18.78	18.28	-0.00
69 Chrysene-d12	23.35	22.85	23.85	23.35	-0.00
134 Di-n-octylphthala	24.42	23.92	24.92	24.42	-0.00
77 Perylene-d12	26.05	25.55	26.55	26.06	0.03

AREA UPPER LIMIT = +100% of internal standard area.
 AREA LOWER LIMIT = - 50% of internal standard area.
 RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
 RT LOWER LIMIT = - 0.50 minutes of internal standard RT.

REVIEW SUMMARY FOR FILE - NT1022062312.D

Lab ID: SKF0270-ICB1
nt10.i, ABN.m, 23-JUN-2022 15:59

RT CO-ELUTION COMPOUNDS

NO CO-ELUTIONS

Quant Method: ICAL

RRT CHECK

RRT	CCV	RRT	DELTA	COMPOUND
-----	-----	-----	-------	----------

NONE

RRT check based on Ccal File: NT1022062313.D

On Column LOD for nt10.i, ABN.m, ICAL.sub = 0.0000

* Only compounds listed in the work order have been verified by the analyst *



SECOND-SOURCE CALIBRATION VERIFICATION
EPA 8270E

Laboratory: Analytical Resources, LLC

SDG: 22F0267

Client: GeoEngineers

Project: RG Haley Site-Bellingham

Calibration: FE00035

Laboratory ID: SKE0212-SCV1

Sequence: SKE0212

Sequence Name: Secondary Cal Check

Standard ID: K004689

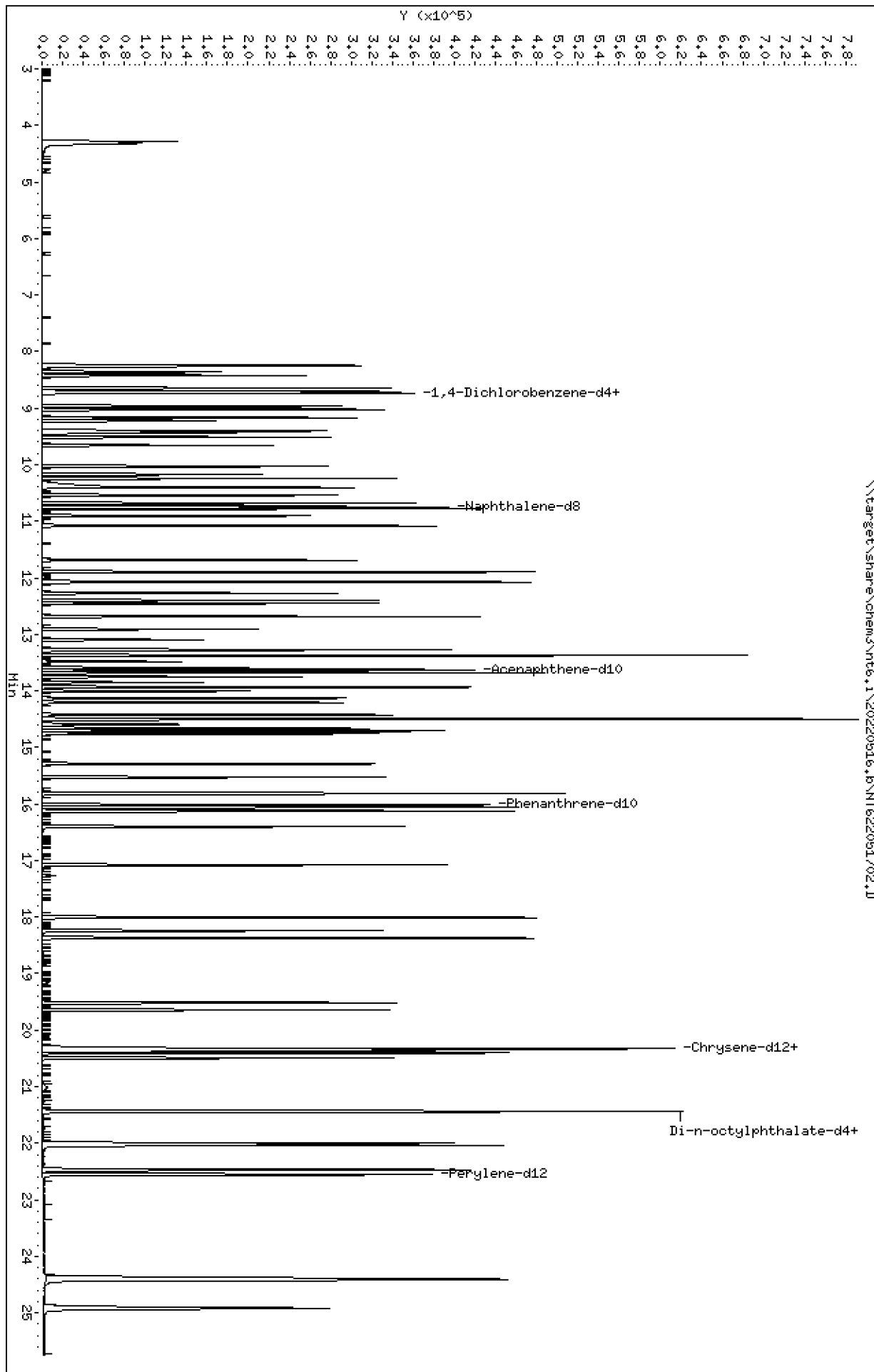
ANALYTE	EXPECTED (ug/mL)	FOUND (ug/mL)	% DRIFT	QC LIMIT
Naphthalene	25.000	24.6	-1.4	20.00
2-Methylnaphthalene	25.000	24.5	-1.8	20.00
Acenaphthene	25.000	24.1	-3.4	20.00
Pentachlorophenol	50.000	46.2	-7.6	20.00
Phenanthrene	25.000	24.3	-2.7	20.00
Fluoranthene	25.000	24.9	-0.3	20.00
Benzo(a)anthracene	25.000	23.9	-4.3	20.00
Chrysene	25.000	23.5	-6.0	20.00
Benzo(b)fluoranthene	25.000	25.0	0.1	20.00
Benzo(k)fluoranthene	25.000	24.5	-1.9	20.00
Benzo(a)pyrene	25.000	25.6	2.5	20.00
Indeno(1,2,3-cd)pyrene	25.000	23.9	-4.6	20.00
Dibenzo(a,h)anthracene	25.000	24.2	-3.3	20.00
1-Methylnaphthalene	25.000	26.0	3.9	20.00

* Indicates values outside of QC limits

Data File: \\target\share\chem3\nt6.1\20220516.b\N1622051702.D
Date: 17-May-2022 12:39
Client ID:
Sample Info: SKE0212-SCV1
Volume Injected (uL): 1.0
Column phase: ZB-5msi

Instrument: nt6.1
Operator: JZ
Column diameter: 0.32

\\target\share\chem3\nt6.1\20220516.b\N1622051702.D



ARI Labs, Inc.

Semivolatle Report SW846 Method 8270D

Data file : \\target\share\chem3\nt6.i\20220516.b\NT622051702.D
 Lab Smp Id: SKE0212-SCV1
 Inj Date : 17-MAY-2022 12:39
 Operator : JZ Inst ID: nt6.i
 Smp Info : SKE0212-SCV1
 Misc Info : 22-
 Comment : 1ul Injection
 Method : \\target\share\chem3\nt6.i\20220516.b\SW84620220516.m
 Meth Date : 17-May-2022 13:05 jianqing Quant Type: ISTD
 Cal Date : 16-MAY-2022 18:52 Cal File: NT622051604.D
 Als bottle: 2 QC Sample: LCS
 Dil Factor: 1.00000
 Integrator: HP RTE Compound Sublist: ICV.sub
 Target Version: 4.14
 Processing Host: JIANQING-202105

Concentration Formula: Amt * DF * Vt/Vo * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vt	500.000	Volume of final extract (uL)
Vo	500.000	Volume of sample extracted (mL)
Cpnd Variable		Local Compound Variable

Compounds	QUANT	SIG	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS	
							ON-COLUMN (ug/mL)	FINAL (ug/L)
3 Phenol	94		8.240	8.250	(0.947)	132250	23.3708	23.37
4 Bis(2-Chloroethyl)ether	93		8.362	8.368	(0.961)	92614	27.1217	27.12
6 2-Chlorophenol	128		8.421	8.426	(0.967)	105289	22.7881	22.79
7 1,3-Dichlorobenzene	146		8.646	8.651	(0.993)	118625	24.7114	24.71
* 8 1,4-Dichlorobenzene-d4	152		8.704	8.709	(1.000)	78743	20.0000	
9 1,4-Dichlorobenzene	146		8.731	8.736	(1.003)	119878	25.6001	25.60
11 Benzyl alcohol	108		8.966	8.966	(1.030)	67360	25.4868	25.49
12 1,2-Dichlorobenzene	146		9.025	9.030	(1.037)	110097	24.7613	24.76
13 2-Methylphenol	108		9.169	9.174	(1.053)	88639	23.1271	23.13
14 2,2'-oxybis(1-Chloropropane)	45		9.222	9.222	(1.060)	75291	28.7192	28.72
15 4-Methylphenol	108		9.404	9.404	(1.080)	92693	22.6736	22.67
16 N-Nitroso-di-n-propylamine	70		9.436	9.441	(1.084)	62621	24.4606	24.46
17 Hexachloroethane	117		9.511	9.516	(1.093)	47310	25.0523	25.05
19 Nitrobenzene	77		9.660	9.660	(0.899)	98500	25.4579	25.46
20 Isophorone	82		10.029	10.034	(0.933)	170367	34.7325	34.73
21 2-Nitrophenol	139		10.173	10.173	(0.946)	56975	23.7990	23.80
22 2,4-Dimethylphenol	107		10.243	10.248	(0.953)	96910	21.5306	21.53
23 Bis(2-Chloroethoxy)methane	93		10.403	10.408	(0.968)	101564	29.0079	29.01
24 Benzoic acid	105		10.403	10.461	(0.968)	63982	22.2733	22.27
25 2,4-Dichlorophenol	162		10.542	10.541	(0.981)	84571	23.0596	23.06
26 1,2,4-Trichlorobenzene	180		10.686	10.686	(0.994)	101833	24.3683	24.37
* 27 Naphthalene-d8	136		10.750	10.750	(1.000)	265327	20.0000	

Compounds	QUANT SIG					CONCENTRATIONS	
	MASS	RT	EXP RT	REL RT	RESPONSE	ON-COLUMN (ug/mL)	FINAL (ug/L)
=====	=====	=====	=====	=====	=====	=====	=====
28 Naphthalene	128	10.782	10.782	(1.003)	274853	24.6459	24.65
29 4-Chloroaniline	127	10.905	10.910	(1.014)	103579	22.5983	22.60
30 Hexachlorobutadiene	225	11.081	11.081	(1.031)	67351	24.9799	24.98
31 4-Chloro-3-methylphenol	107	11.685	11.690	(1.087)	85820	23.2333	23.23
32 2-Methylnaphthalene	141	11.898	11.898	(1.107)	156330	24.5490	24.55
33 Hexachlorocyclopentadiene	237	12.272	12.272	(0.900)	70024	25.0388	25.04
34 2,4,6-Trichlorophenol	196	12.400	12.405	(0.910)	67694	23.4453	23.45
35 2,4,5-Trichlorophenol	196	12.454	12.459	(0.914)	72670	23.6353	23.64
37 2-Chloronaphthalene	162	12.683	12.688	(0.931)	184108	24.5865	24.59
38 2-Nitroaniline	65	12.908	12.913	(0.947)	46209	24.4113	24.41
39 Dimethylphthalate	163	13.271	13.271	(0.974)	204613	24.9692	24.97
40 Acenaphthylene	152	13.372	13.372	(0.981)	296941	24.4572	24.46
41 2,6-Dinitrotoluene	165	13.372	13.372	(0.981)	48513	25.9702	25.97
* 42 Acenaphthene-d10	164	13.629	13.623	(1.000)	154616	20.0000	
43 3-Nitroaniline	138	13.591	13.591	(0.997)	47182	25.8647	25.86
44 Acenaphthene	153	13.677	13.677	(1.004)	173806	24.1449	24.14
45 2,4-Dinitrophenol	184	13.757	13.757	(1.009)	58271	51.1473	51.15
46 Dibenzofuran	168	13.939	13.938	(1.023)	263210	25.3013	25.30
47 4-Nitrophenol	109	13.853	13.853	(1.016)	32165	24.3965	24.40
48 2,4-Dinitrotoluene	165	14.008	14.008	(1.028)	61875	25.6652	25.67
49 Fluorene	166	14.499	14.499	(1.064)	203057	24.4005	24.40
50 Diethylphthalate	149	14.425	14.424	(1.058)	206605	26.1014	26.10
51 4-Chlorophenyl-phenylether	204	14.505	14.504	(1.064)	117904	25.2475	25.25
52 4-Nitroaniline	138	14.596	14.595	(1.071)	41071	24.8962	24.90
53 4,6-Dinitro-2-methylphenol	198	14.665	14.665	(0.916)	81088	53.4614	53.46
54 N-Nitrosodiphenylamine	169	14.708	14.713	(0.918)	147244	24.5229	24.52
56 4-Bromophenyl-phenylether	248	15.295	15.295	(0.955)	65927	25.3362	25.34
57 Hexachlorobenzene	284	15.530	15.530	(0.970)	69479	24.5349	24.53
58 Pentachlorophenol	266	15.819	15.818	(0.988)	87386	46.1932	46.19
* 59 Phenanthrene-d10	188	16.016	16.016	(1.000)	277010	20.0000	
60 Phenanthrene	178	16.059	16.053	(1.003)	277742	24.3243	24.32
61 Anthracene	178	16.128	16.128	(1.007)	278521	24.3856	24.39
62 Carbazole	167	16.401	16.400	(1.024)	227640	23.1864	23.19
63 Di-n-butylphthalate	149	17.079	17.079	(1.066)	317988	25.8648	25.86
64 Fluoranthene	202	18.008	18.008	(1.124)	321810	24.9368	24.94
65 Pyrene	202	18.372	18.371	(0.902)	324542	24.2952	24.30
67 Butylbenzylphthalate	149	19.520	19.520	(0.959)	135550	25.9190	25.92
68 Benzo(a)anthracene	228	20.332	20.337	(0.998)	282228	23.9237	23.92
* 69 Chrysene-d12	240	20.364	20.364	(1.000)	212766	20.0000	
70 3,3'-Dichlorobenzidine	252	20.326	20.326	(0.998)	94354	26.7032	26.70
71 Chrysene	228	20.401	20.401	(1.002)	254630	23.4955	23.50
72 bis(2-Ethylhexyl)phthalate	149	20.492	20.492	(0.956)	176532	25.8894	25.89
* 134 Di-n-octylphthalate-d4	153	21.432	21.432	(1.000)	294742	20.0000	
73 Di-n-octylphthalate	149	21.443	21.437	(1.000)	314040	25.5294	25.53
74 Benzo(b)fluoranthene	252	22.004	22.003	(0.976)	291059	25.0250	25.03
75 Benzo(k)fluoranthene	252	22.036	22.035	(0.977)	285742	24.5191	24.52
187 Total Benzofluoranthenes	252	22.036	22.035	(0.977)	552757	49.9421	49.94
76 Benzo(a)pyrene	252	22.468	22.468	(0.996)	279678	25.6245	25.62
* 77 Perylene-d12	264	22.554	22.553	(1.000)	235601	20.0000	
78 Indeno(1,2,3-cd)pyrene	276	24.391	24.391	(1.081)	380517	23.8517	23.85
79 Dibenzo(a,h)anthracene	278	24.418	24.412	(1.083)	322512	24.1667	24.17
80 Benzo(g,h,i)perylene	276	24.920	24.925	(1.105)	324816	23.7382	23.74
90 N-Nitrosodimethylamine	74	4.325	4.335	(0.497)	57797	29.0876	29.09
91 Aniline	93	8.261	8.261	(0.949)	156829	26.9505	26.95

Compounds	QUANT SIG	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS		
						ON-COLUMN (ug/mL)	FINAL (ug/L)	
105 1-methylnaphthalene	141	12.075	12.074	(1.123)	156069	25.9664	25.97	
111 Azobenzene (1,2-DP-Hydrazine)	77	14.761	14.761	(0.922)	172739	24.4930	24.49	
93 Benzidine	184	18.243	18.243	(0.896)	206124	57.4619	57.46	
103 Pyridine	79	4.287	4.298	(0.493)	95963	25.6591	25.66	
120 2,3,4,6-Tetrachlorophenol	232	14.206	14.205	(1.042)	56016	23.8292	23.83	
151 1,2,4,5-Tetrachlorobenzene	216	Compound Not Detected.						

ARI Labs, Inc.

INTERNAL STANDARD COMPOUNDS
 AREA AND RT SUMMARY

Instrument ID: nt6.i Calibration Date: 16-MAY-2022
 Lab File ID: NT622051702.D Calibration Time: 17:11
 Lab Smp Id: SKE0212-SCV1
 Analysis Type: SV Level: LOW
 Quant Type: ISTD Sample Type: WATER
 Operator: JZ
 Method File: \\target\share\chem3\nt6.i\20220516.b\SW84620220516.m
 Misc Info: 22-

Test Mode:
 Use Last Continuing Calibrator.

COMPOUND	STANDARD	AREA LIMIT		SAMPLE	%DIFF
		LOWER	UPPER		
8 1,4-Dichlorobenze	71723	35862	143446	78743	9.79
27 Naphthalene-d8	255203	127602	510406	265327	3.97
42 Acenaphthene-d10	144799	72400	289598	154616	6.78
59 Phenanthrene-d10	257295	128648	514590	277010	7.66
69 Chrysene-d12	195882	97941	391764	212766	8.62
134 Di-n-octylphthala	272032	136016	544064	294742	8.35
77 Perylene-d12	222542	111271	445084	235601	5.87

COMPOUND	STANDARD	RT LIMIT		SAMPLE	%DIFF
		LOWER	UPPER		
8 1,4-Dichlorobenze	8.71	8.21	9.21	8.70	-0.06
27 Naphthalene-d8	10.75	10.25	11.25	10.75	0.00
42 Acenaphthene-d10	13.62	13.12	14.12	13.63	0.04
59 Phenanthrene-d10	16.02	15.52	16.52	16.02	0.00
69 Chrysene-d12	20.36	19.86	20.86	20.36	0.00
134 Di-n-octylphthala	21.43	20.93	21.93	21.43	0.00
77 Perylene-d12	22.55	22.05	23.05	22.55	0.00

AREA UPPER LIMIT = +100% of internal standard area.
 AREA LOWER LIMIT = - 50% of internal standard area.
 RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
 RT LOWER LIMIT = - 0.50 minutes of internal standard RT.

REVIEW SUMMARY FOR FILE - NT622051702.D

Lab ID: SKE0212-SCV1

nt6.i, SW84620220516.m, 17-MAY-2022 12:39

RT CO-ELUTION COMPOUNDS

13.373 Acenaphthylene and 2,6-Dinitrotoluene

Quant Method: ICAL

No RRT check performed

On Column LOD for nt6.i, SW84620220516.m, ICV.sub = 0.0000

Exception: Total Benzofluoranthenes 0.5000

* Only compounds listed in the work order have been verified by the analyst *



SECOND-SOURCE CALIBRATION VERIFICATION
EPA 8270E

Laboratory: Analytical Resources, LLC

SDG: 22F0267

Client: GeoEngineers

Project: RG Haley Site-Bellingham

Calibration: FF00062

Laboratory ID: SKF0270-SCV1

Sequence: SKF0270

Sequence Name: SCV 5.0

Standard ID: J008837

ANALYTE	EXPECTED (ug/mL)	FOUND (ug/mL)	% DRIFT	QC LIMIT
Phenol	5.0000	5.1	2.7	20.00
bis(2-chloroethyl) ether	5.0000	5.8	15.8	20.00
2-Chlorophenol	5.0000	5.2	4.0	20.00
1,3-Dichlorobenzene	5.0000	5.0	0.3	20.00
1,4-Dichlorobenzene	5.0000	5.3	5.9	20.00
1,2-Dichlorobenzene	5.0000	5.1	1.7	20.00
Benzyl Alcohol	5.0000	5.5	9.6	20.00
2,2'-Oxybis(1-chloropropane)	5.0000	7.1	41.3 *	20.00
2-Methylphenol	5.0000	4.4	-11.2	20.00
Hexachloroethane	5.0000	5.3	5.9	20.00
N-Nitroso-di-n-Propylamine	5.0000	5.1	2.3	20.00
4-Methylphenol	5.0000	4.6	-8.2	20.00
Nitrobenzene	5.0000	5.1	2.8	20.00
Isophorone	5.0000	7.4	48.2 *	20.00
2-Nitrophenol	5.0000	5.1	2.6	20.00
2,4-Dimethylphenol	5.0000	4.7	-5.3	20.00
Bis(2-Chloroethoxy)methane	5.0000	5.7	14.7	20.00
2,4-Dichlorophenol	5.0000	5.5	10.9	20.00
1,2,4-Trichlorobenzene	5.0000	4.9	-2.2	20.00
Naphthalene	5.0000	4.9	-1.1	20.00
Benzoic acid	10.0000	6.6	-33.8 *	20.00
4-Chloroaniline	5.0000	4.6	-7.1	20.00
Hexachlorobutadiene	5.0000	5.3	6.8	20.00
4-Chloro-3-Methylphenol	5.0000	4.9	-2.9	20.00
2-Methylnaphthalene	5.0000	5.2	4.3	20.00
Hexachlorocyclopentadiene	5.0000	3.3	-33.5 *	20.00
2,4,6-Trichlorophenol	5.0000	5.2	4.8	20.00
2,4,5-Trichlorophenol	5.0000	4.4	-11.5	20.00
2-Chloronaphthalene	5.0000	5.5	9.2	20.00
2-Nitroaniline	5.0000	5.3	6.8	20.00
Acenaphthylene	5.0000	4.5	-10.5	20.00
Dimethylphthalate	5.0000	5.0	-0.5	20.00
2,6-Dinitrotoluene	5.0000	5.3	5.1	20.00
Acenaphthene	5.0000	4.9	-1.2	20.00



SECOND-SOURCE CALIBRATION VERIFICATION
EPA 8270E

Laboratory: Analytical Resources, LLC

SDG: 22F0267

Client: GeoEngineers

Project: RG Haley Site-Bellingham

Calibration: FF00062

Laboratory ID: SKF0270-SCV1

Sequence: SKF0270

Sequence Name: SCV 5.0

Standard ID: J008837

3-Nitroaniline	5.0000	5.4	7.6	20.00
2,4-Dinitrophenol	5.0000	2.0	-59.5 *	20.00
Dibenzofuran	5.0000	5.3	6.8	20.00
4-Nitrophenol	5.0000	4.4	-11.3	20.00
2,4-Dinitrotoluene	5.0000	5.3	6.2	20.00
Fluorene	5.0000	4.6	-8.1	20.00
4-Chlorophenylphenyl ether	5.0000	5.4	8.1	20.00
Diethyl phthalate	5.0000	5.4	7.4	20.00
4-Nitroaniline	5.0000	5.1	1.9	20.00
4,6-Dinitro-2-methylphenol	5.0000	4.3	-13.7	20.00
N-Nitrosodiphenylamine	5.0000	5.0	-0.3	20.00
4-Bromophenyl phenyl ether	5.0000	5.5	9.1	20.00
Hexachlorobenzene	5.0000	5.1	2.3	20.00
Pentachlorophenol	5.0000	3.2	-35.2 *	20.00
Phenanthrene	5.0000	4.9	-2.1	20.00
Anthracene	5.0000	4.8	-3.4	20.00
Carbazole	5.0000	5.6	11.3	20.00
Di-n-Butylphthalate	5.0000	5.3	6.6	20.00
Fluoranthene	5.0000	4.2	-16.2	20.00
Pyrene	5.0000	4.6	-8.6	20.00
Butylbenzylphthalate	5.0000	4.9	-2.8	20.00
Benzo(a)anthracene	5.0000	4.9	-3.0	20.00
3,3'-Dichlorobenzidine	10.000	11.8	17.7	20.00
Chrysene	5.0000	4.7	-5.5	20.00
bis(2-Ethylhexyl)phthalate	5.0000	5.1	1.2	20.00
Di-n-Octylphthalate	5.0000	5.5	10.0	20.00
Benzo(a)fluoranthene, Total	10.000	9.8	-1.7	20.00
Benzo(a)pyrene	5.0000	4.9	-2.0	20.00
Indeno(1,2,3-cd)pyrene	5.0000	4.8	-4.7	20.00
Dibenzo(a,h)anthracene	5.0000	4.7	-6.5	20.00
Benzo(g,h,i)perylene	5.0000	4.9	-1.8	20.00
1-Methylnaphthalene	5.0000	5.2	3.2	20.00

* Indicates values outside of QC limits

Data File: \\target\share\chem3\nt10.1\20220623.1\NT1022062311.D

Date: 23-JUN-2022 15:20

Client ID:

Sample Info: SKF0270-SCW1

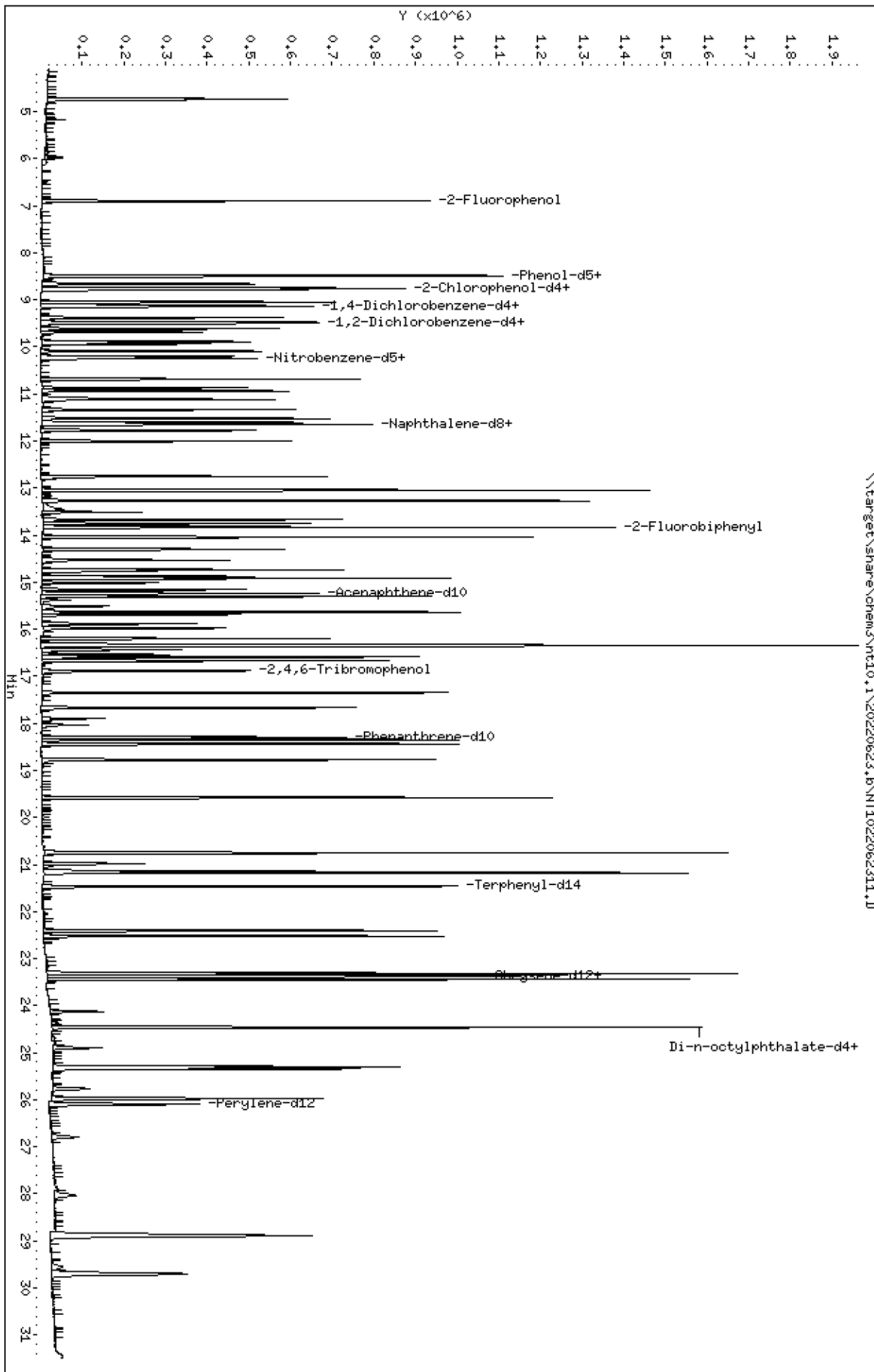
Column phase: ZB-5msi

Instrument: nt10.1

Operator: VTS

Column diameter: 0.25

Page 1



Date : 23-JUN-2022 15:20

Client ID:

Instrument: nt10.i

Sample Info: SKF0270-SCV1

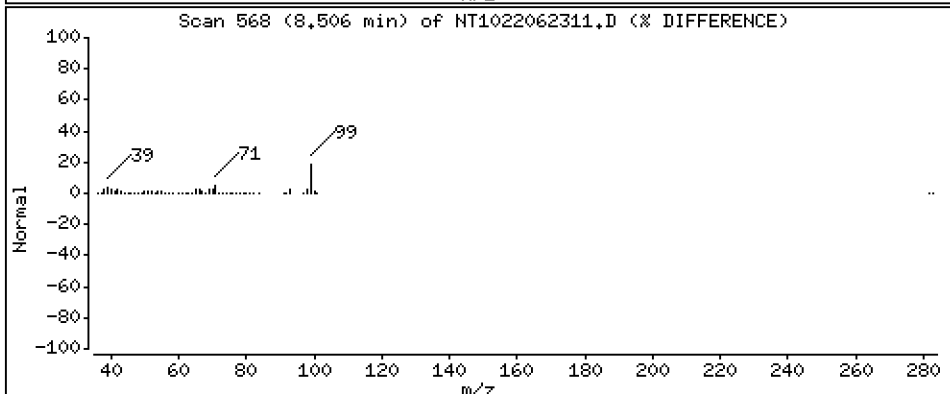
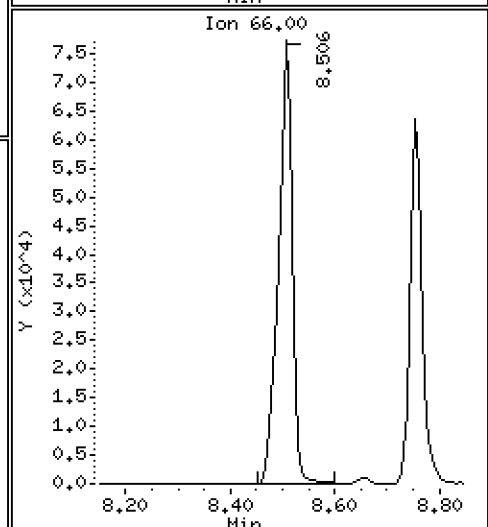
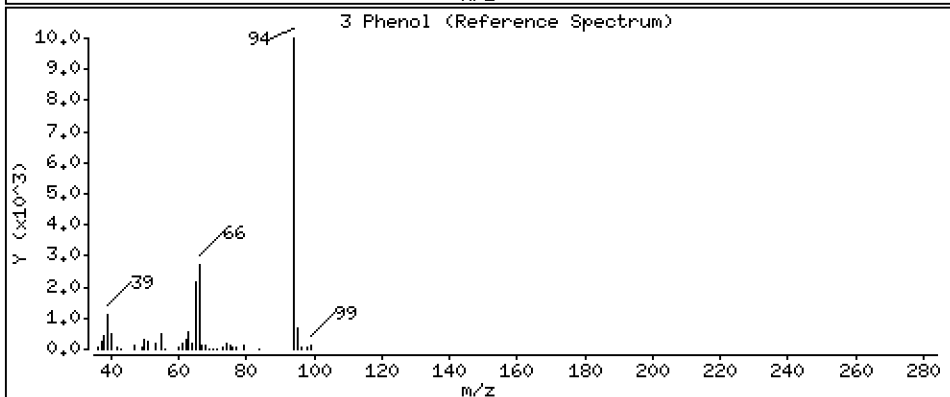
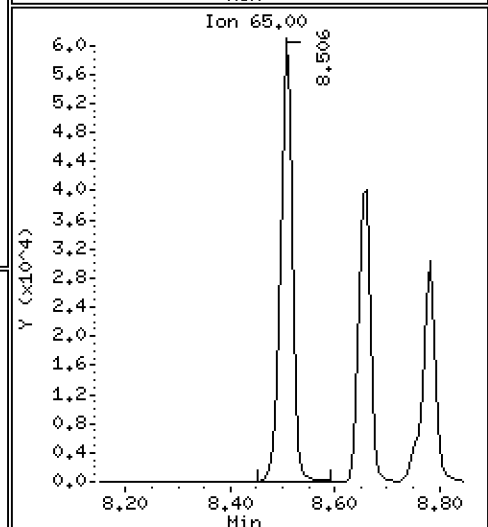
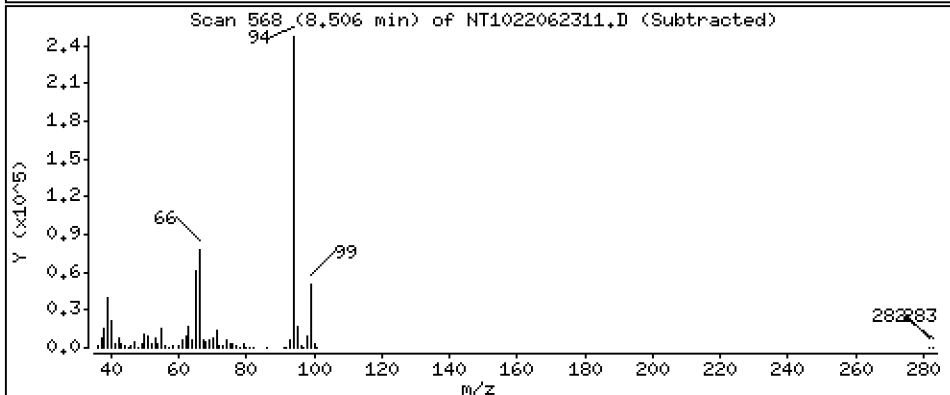
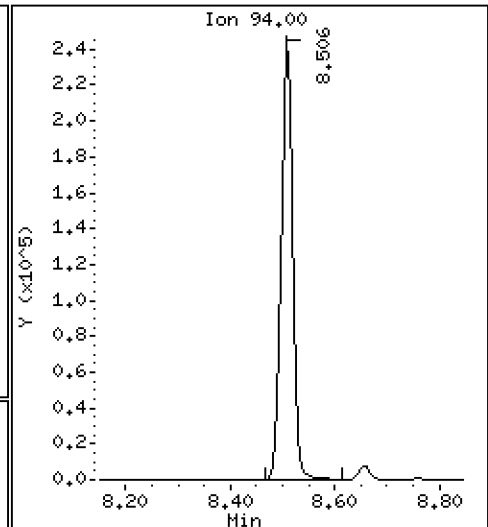
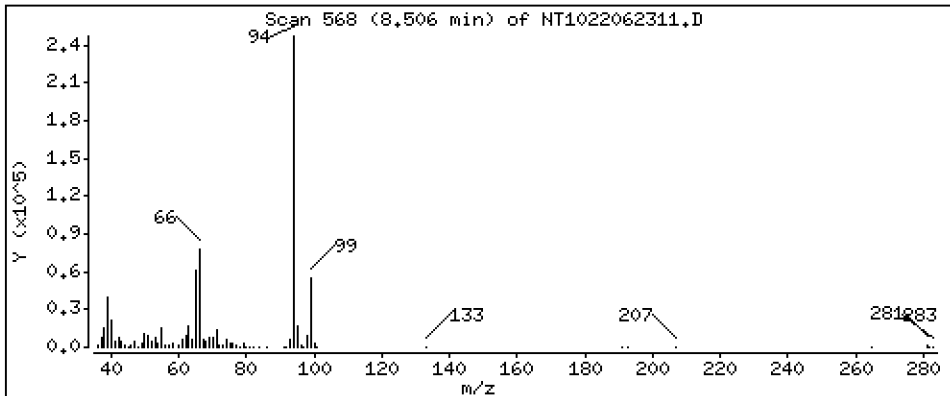
Operator: VTS

Column phase: ZB-5msi

Column diameter: 0,25

3 Phenol

Concentration: 5,135 ug/mL



Date : 23-JUN-2022 15:20

Client ID:

Instrument: nt10.i

Sample Info: SKF0270-SCV1

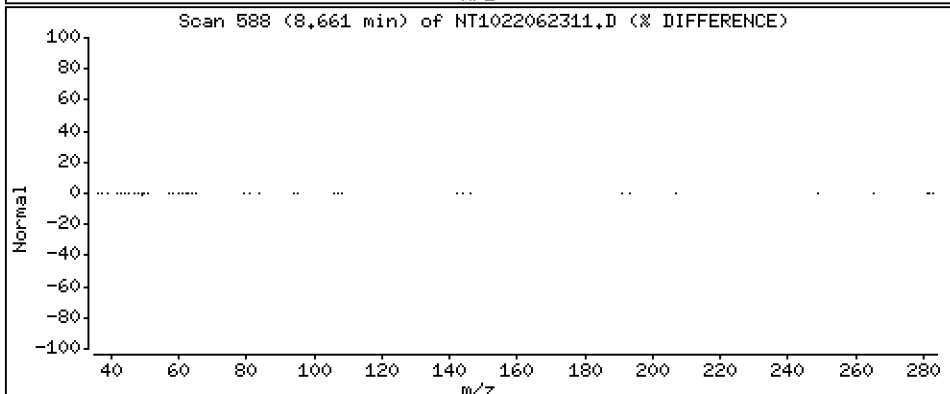
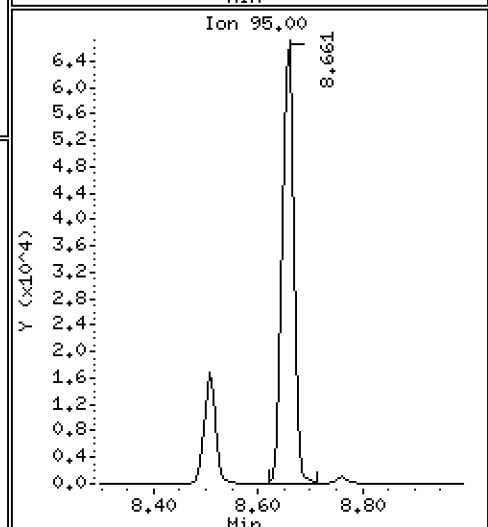
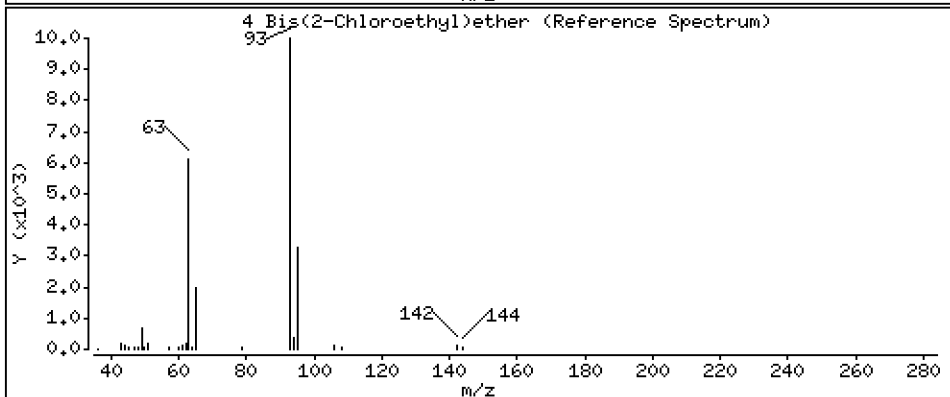
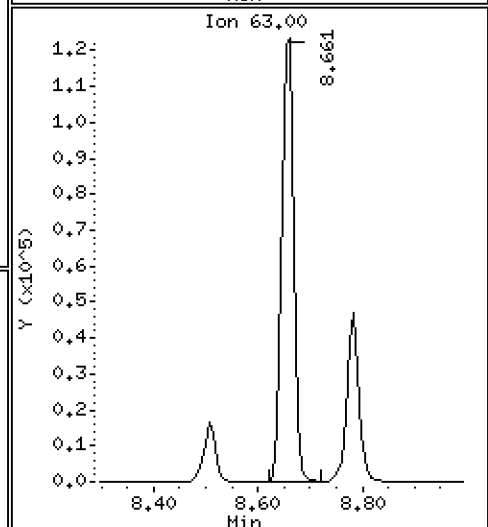
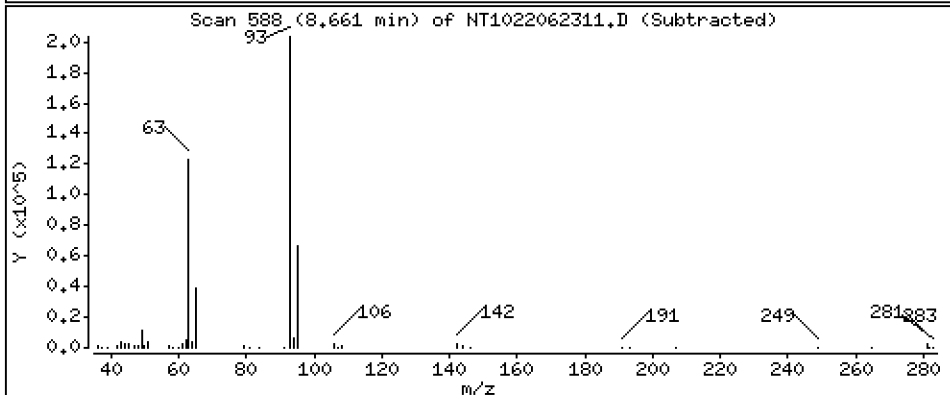
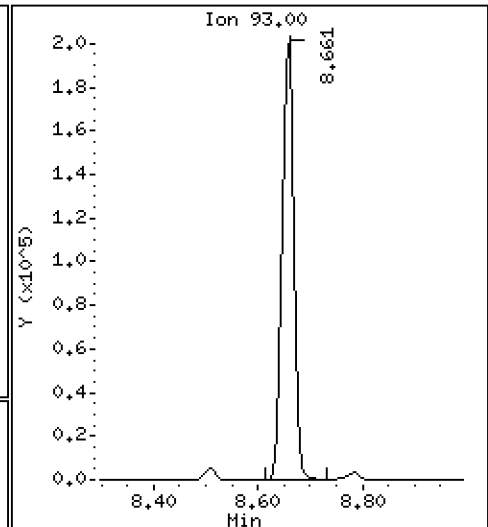
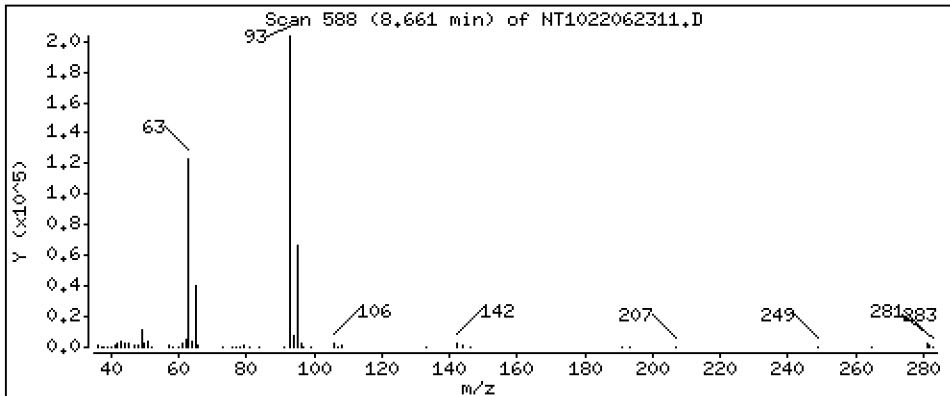
Operator: VTS

Column phase: ZB-5msi

Column diameter: 0,25

4 Bis(2-Chloroethyl)ether

Concentration: 5,792 ug/mL



Date : 23-JUN-2022 15:20

Client ID:

Instrument: nt10.i

Sample Info: SKF0270-SCV1

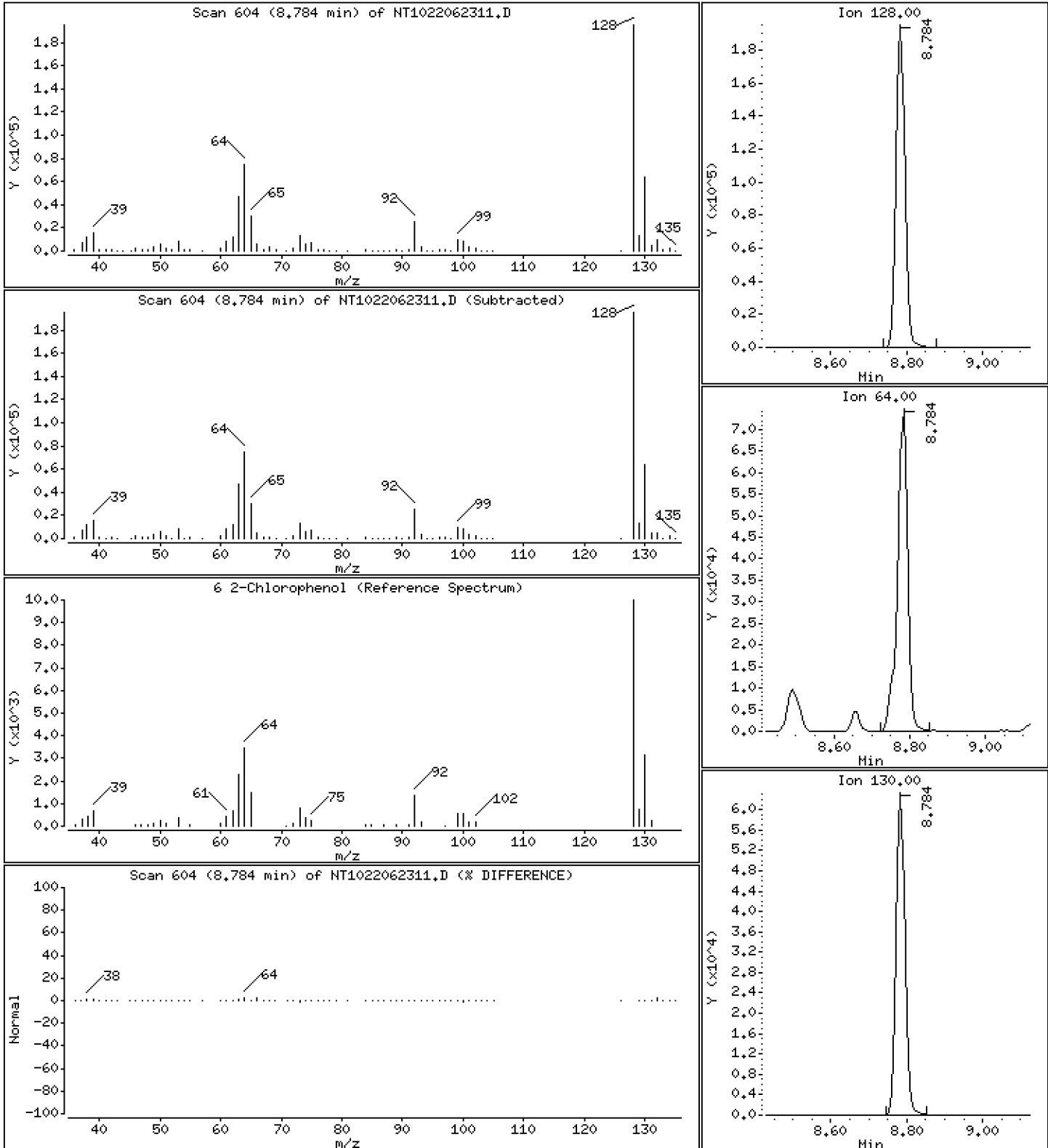
Operator: VTS

Column phase: ZB-5msi

Column diameter: 0,25

6 2-Chlorophenol

Concentration: 5,199 ug/mL



Date : 23-JUN-2022 15:20

Client ID:

Instrument: nt10.i

Sample Info: SKF0270-SCV1

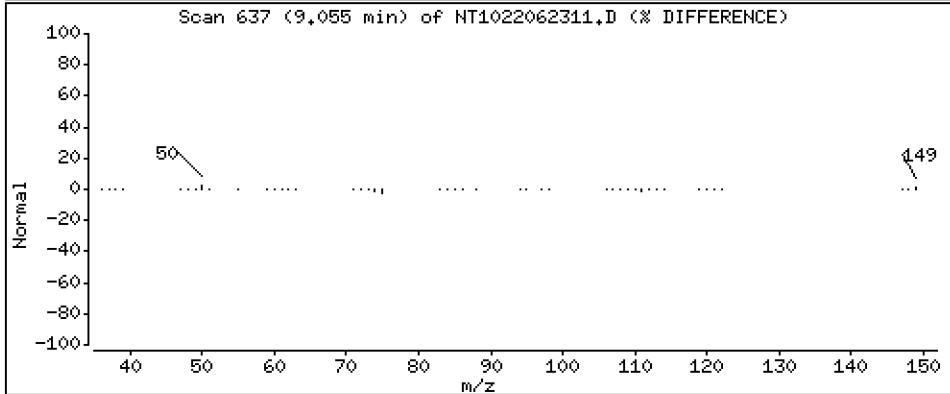
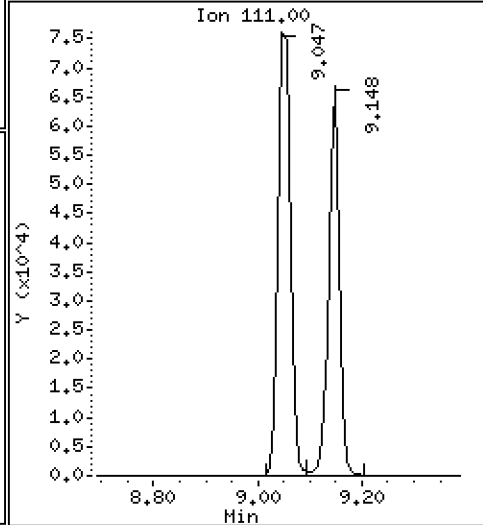
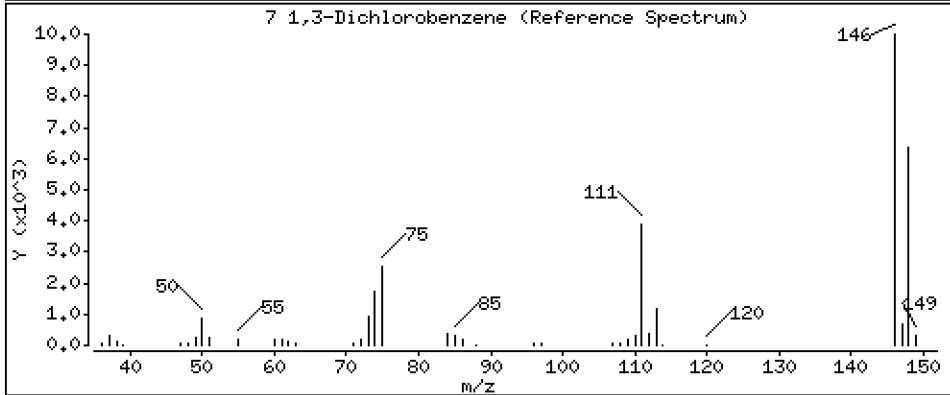
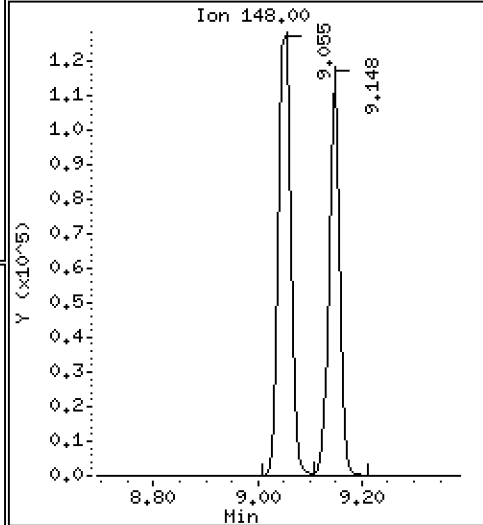
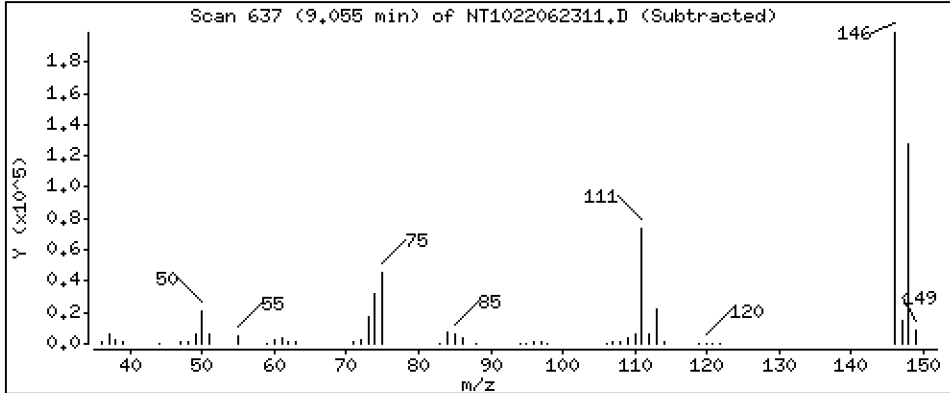
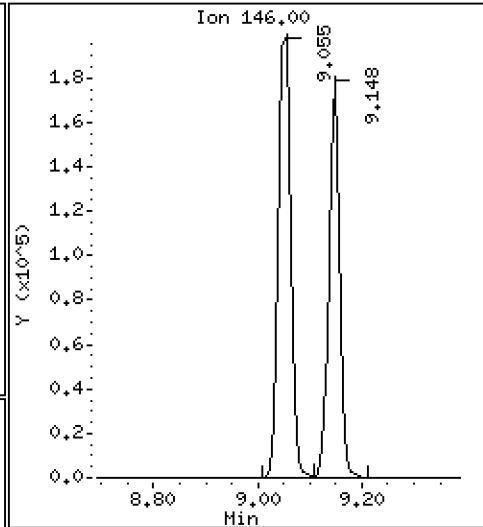
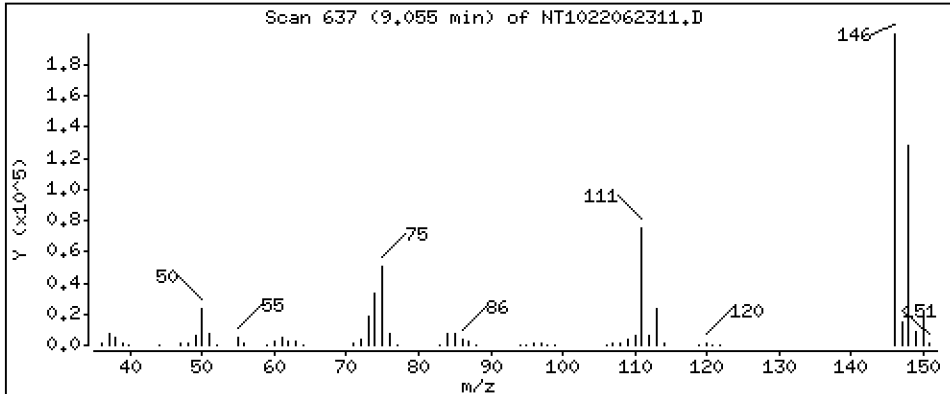
Operator: VTS

Column phase: ZB-5msi

Column diameter: 0,25

7 1,3-Dichlorobenzene

Concentration: 5,014 ug/mL



Date : 23-JUN-2022 15:20

Client ID:

Instrument: nt10.i

Sample Info: SKF0270-SCV1

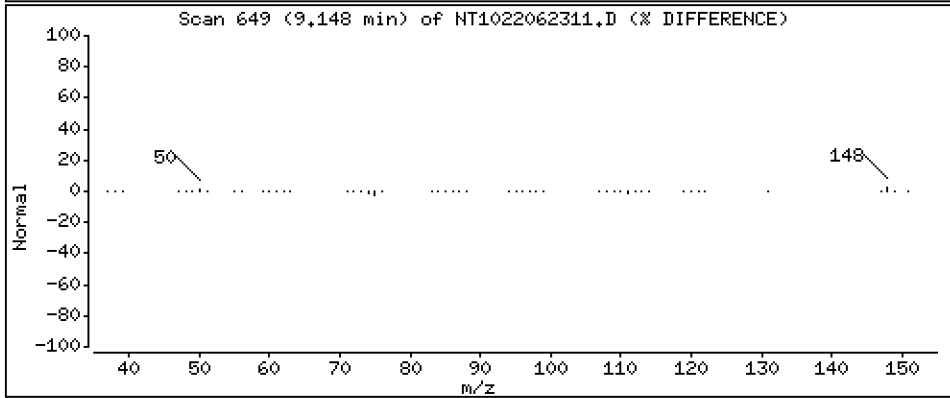
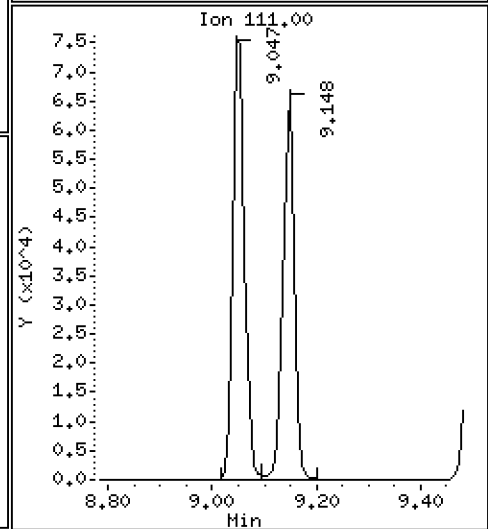
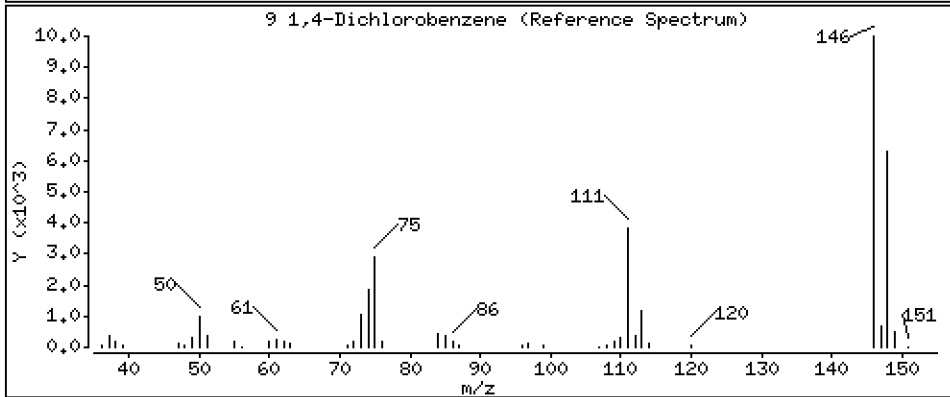
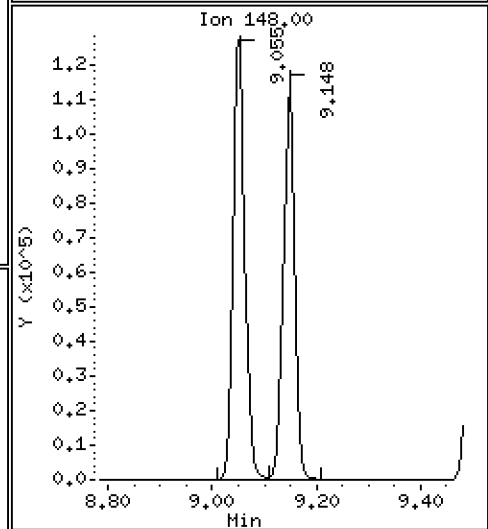
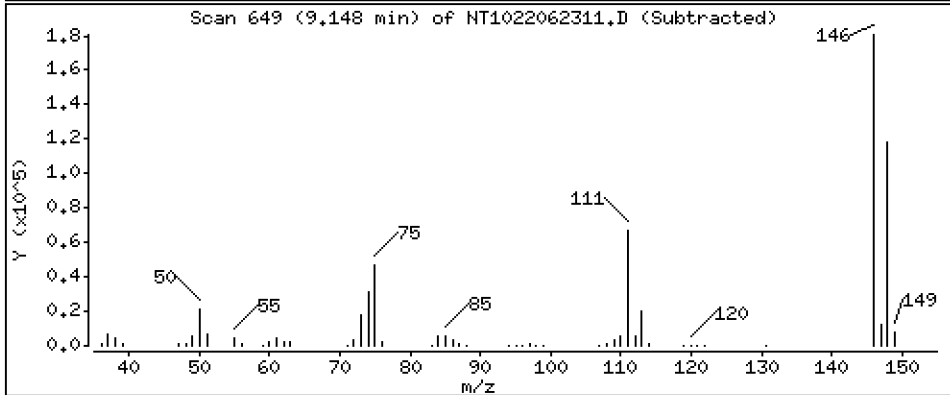
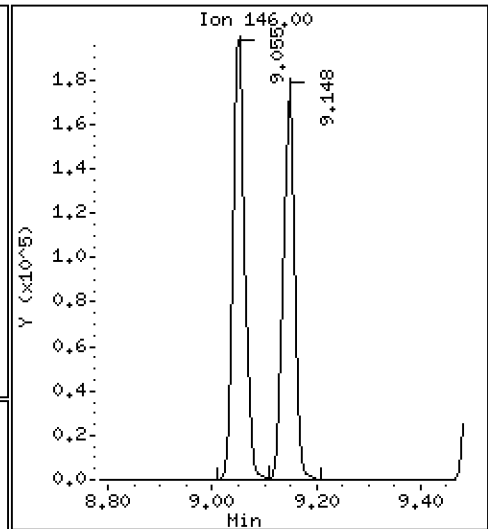
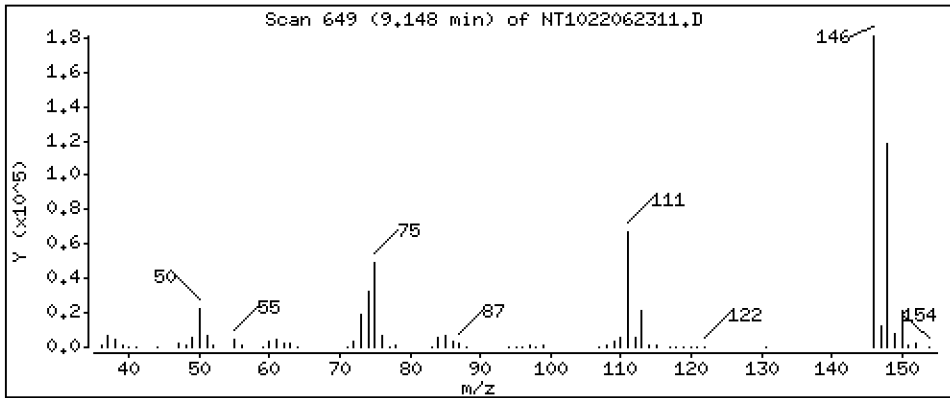
Operator: VTS

Column phase: ZB-5msi

Column diameter: 0,25

9 1,4-Dichlorobenzene

Concentration: 5,297 ug/mL



Date : 23-JUN-2022 15:20

Client ID:

Instrument: nt10.i

Sample Info: SKF0270-SCV1

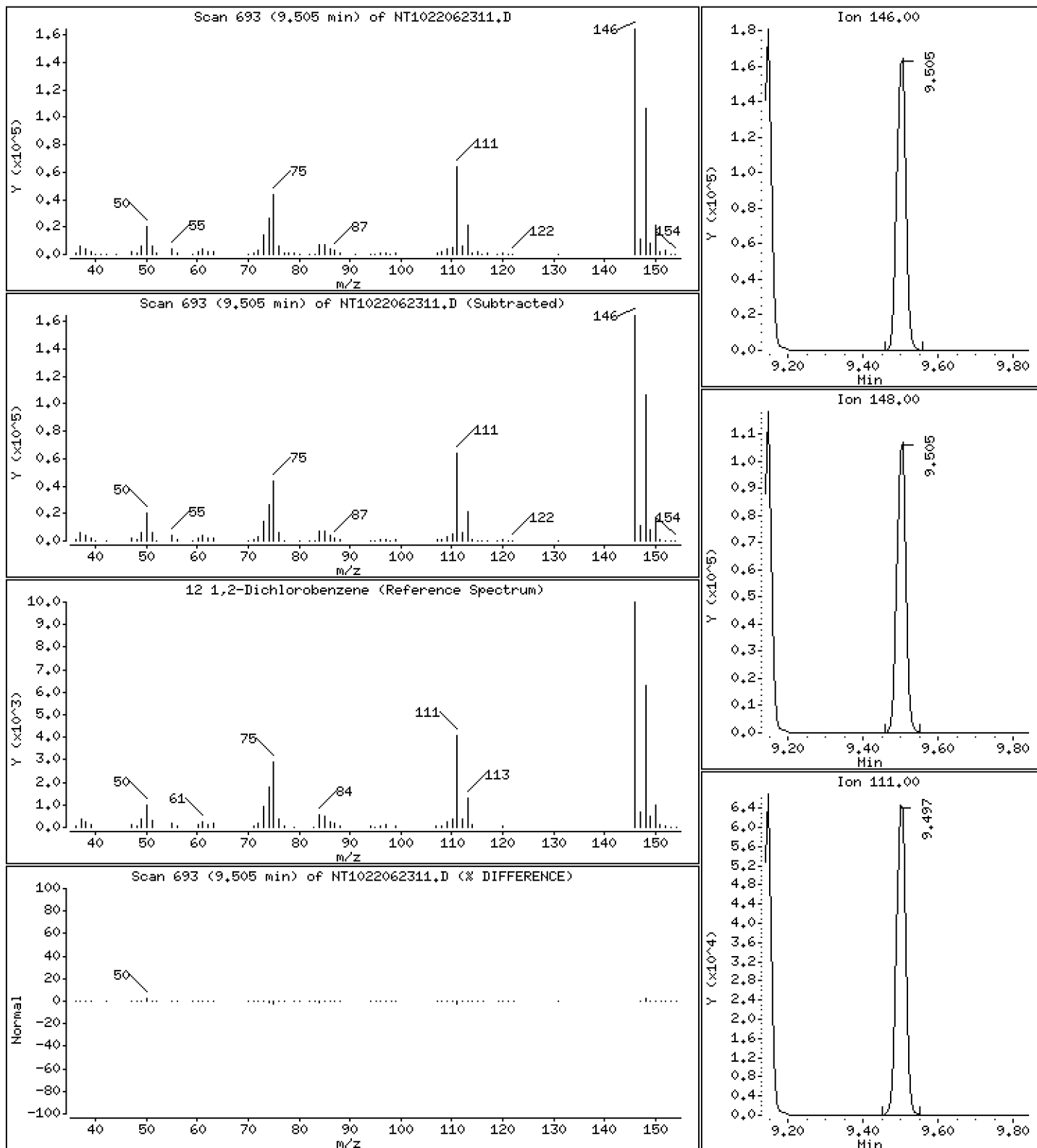
Operator: VTS

Column phase: ZB-5msi

Column diameter: 0,25

12 1,2-Dichlorobenzene

Concentration: 5,087 ug/mL



Date : 23-JUN-2022 15:20

Client ID:

Instrument: nt10.i

Sample Info: SKF0270-SCV1

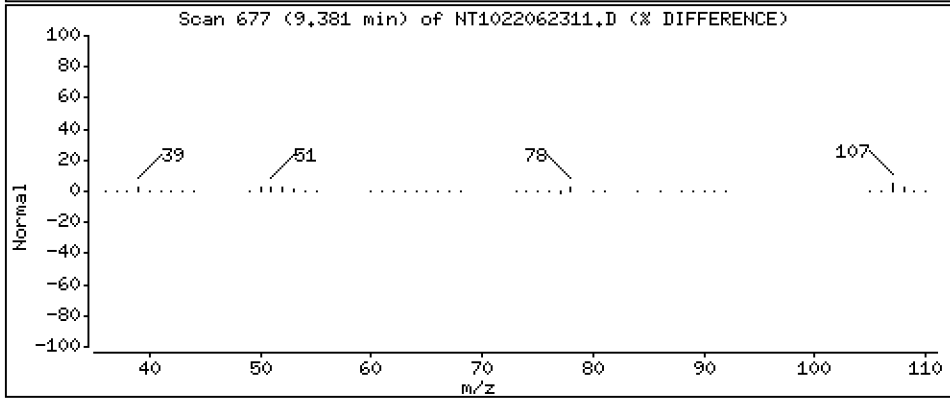
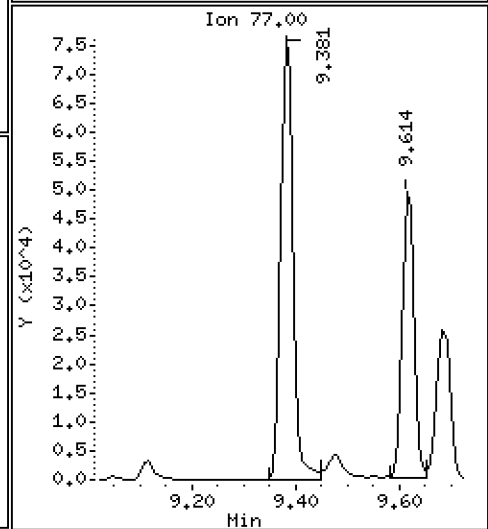
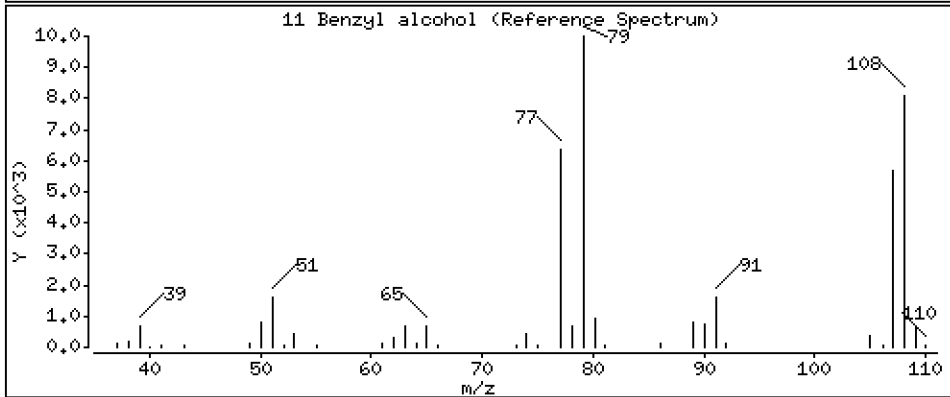
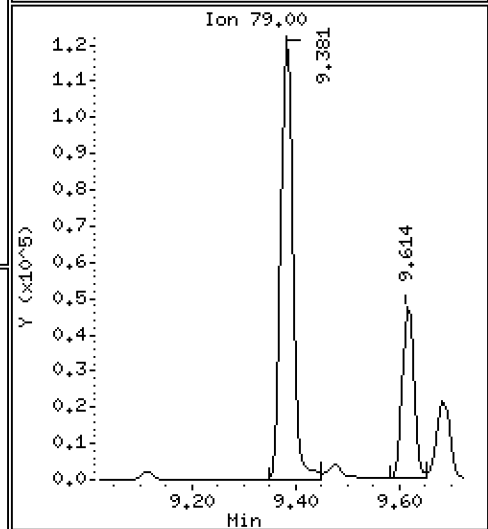
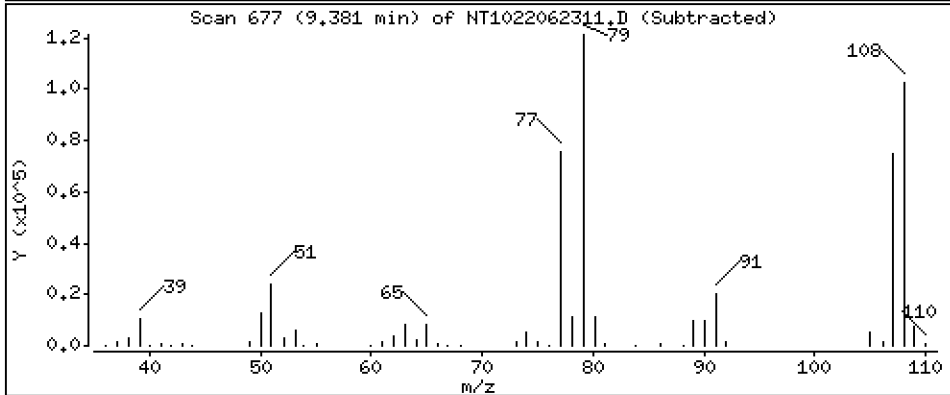
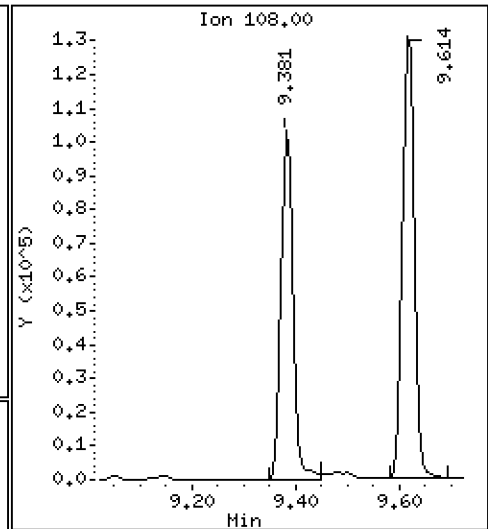
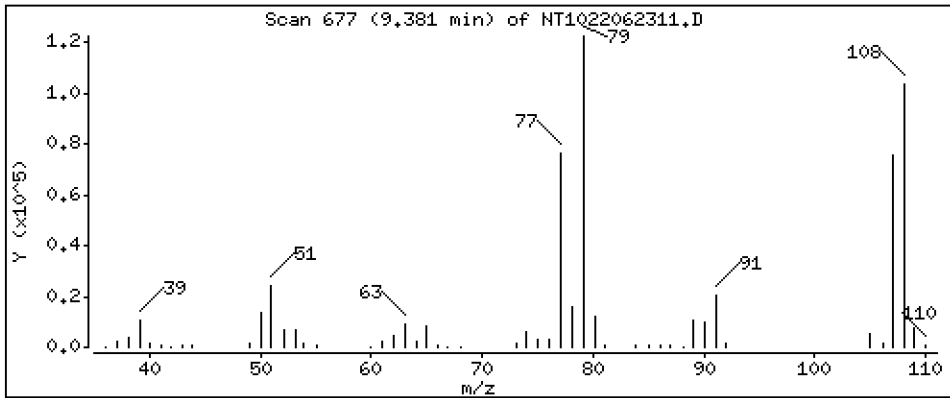
Operator: VTS

Column phase: ZB-5msi

Column diameter: 0.25

11 Benzyl alcohol

Concentration: 5.481 ug/mL



Date : 23-JUN-2022 15:20

Client ID:

Instrument: nt10.i

Sample Info: SKF0270-SCV1

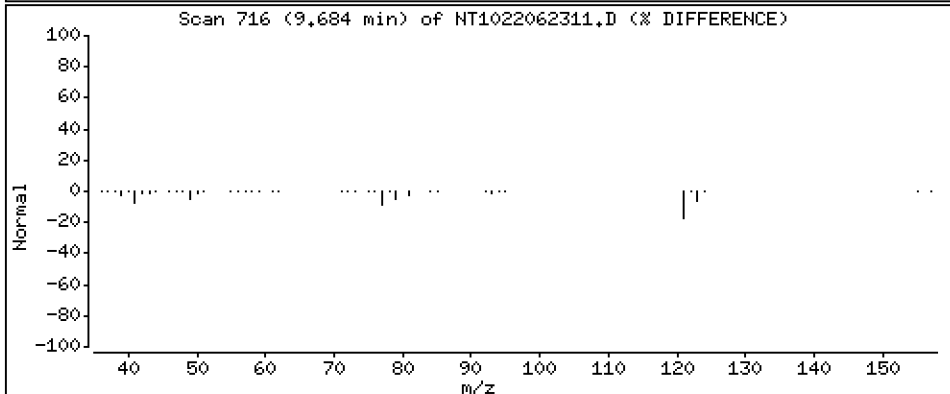
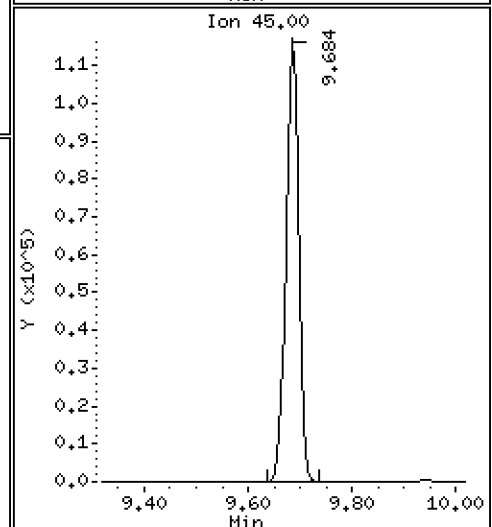
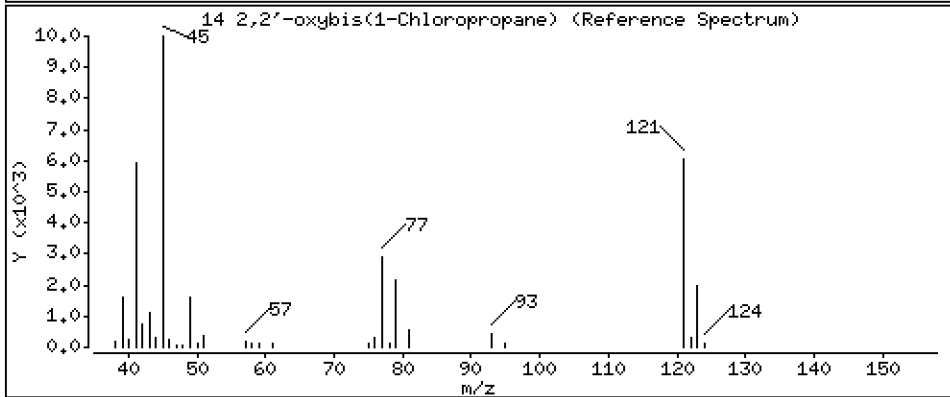
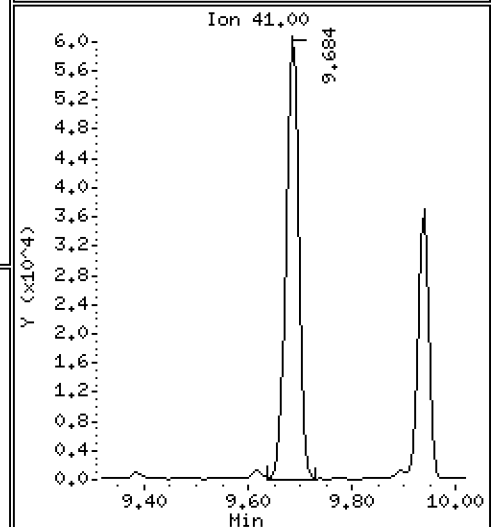
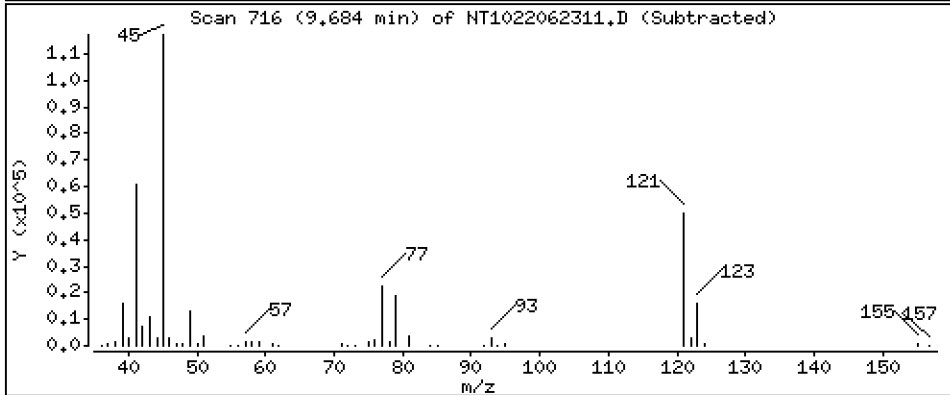
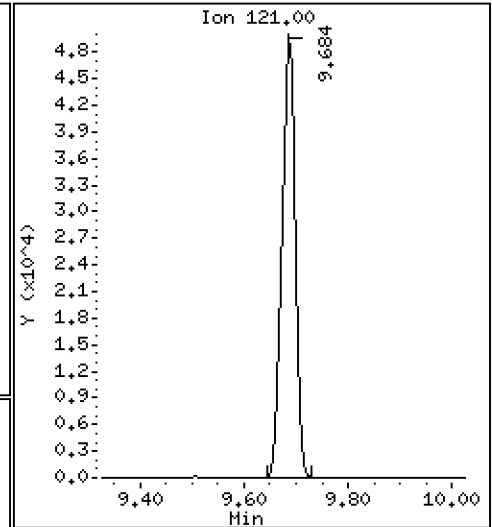
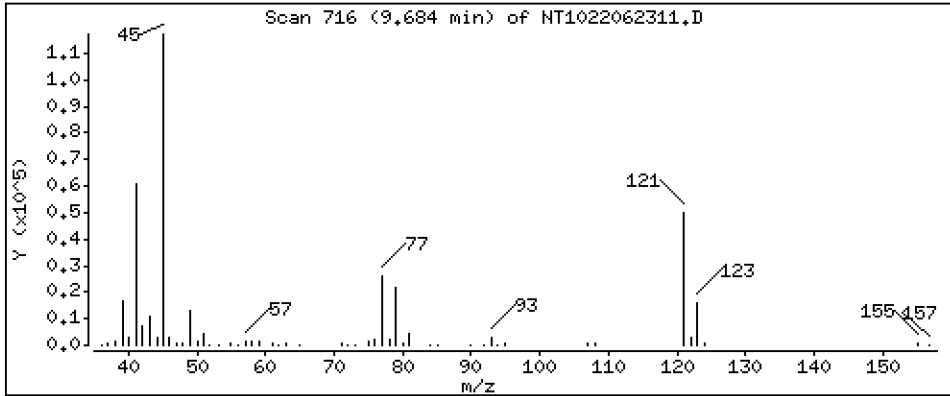
Operator: VTS

Column phase: ZB-5msi

Column diameter: 0,25

14 2,2'-oxybis(1-Chloropropane)

Concentration: 7,063 ug/mL



Date : 23-JUN-2022 15:20

Client ID:

Instrument: nt10.i

Sample Info: SKF0270-SCV1

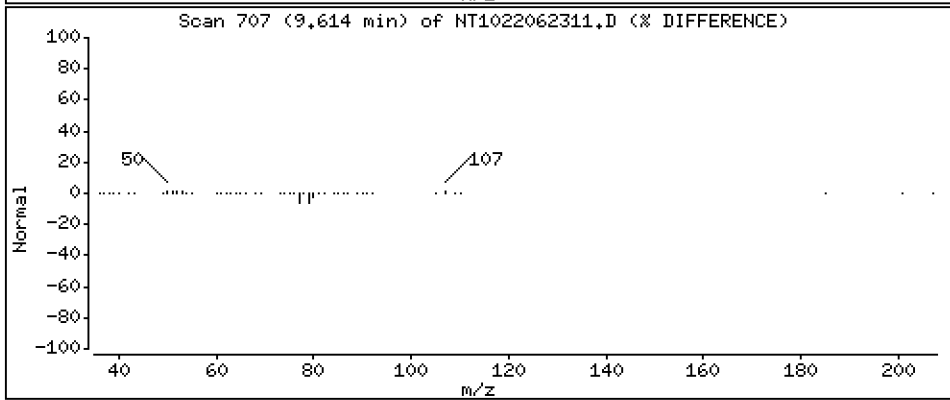
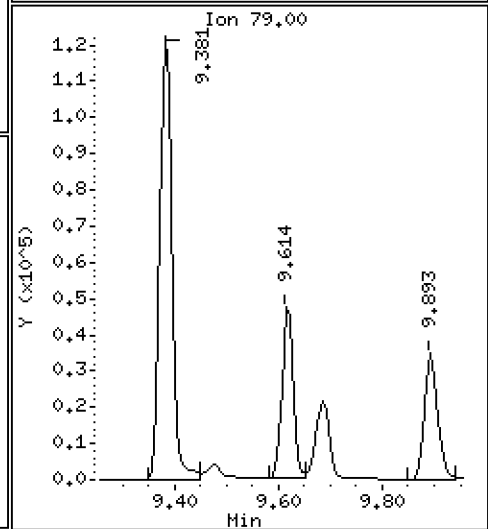
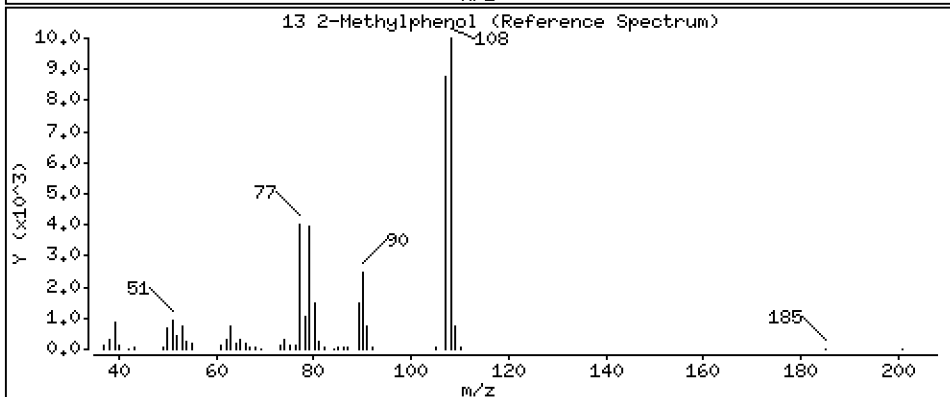
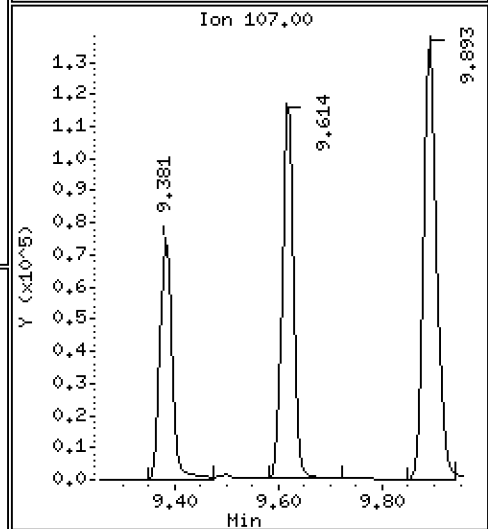
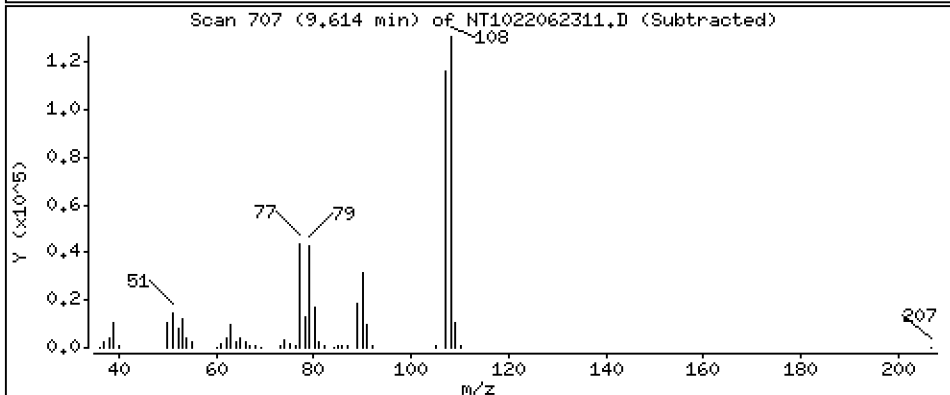
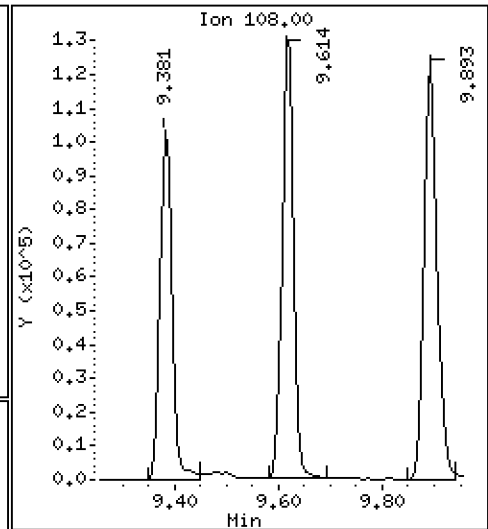
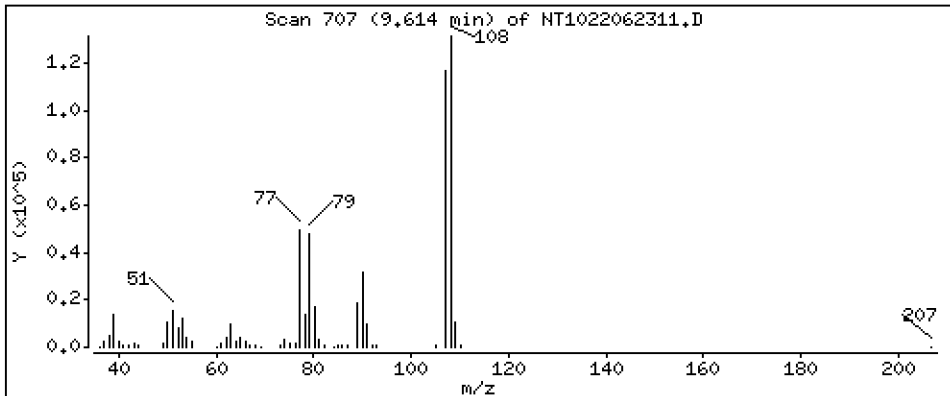
Operator: VTS

Column phase: ZB-5msi

Column diameter: 0.25

13 2-Methylphenol

Concentration: 4.442 ug/mL



Date : 23-JUN-2022 15:20

Client ID:

Instrument: nt10.i

Sample Info: SKF0270-SCV1

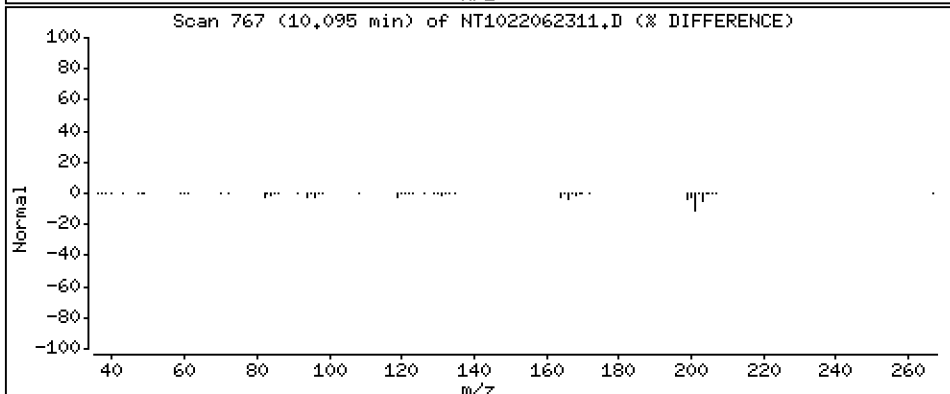
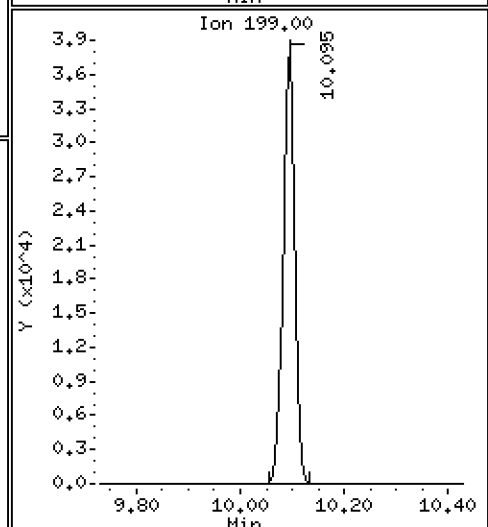
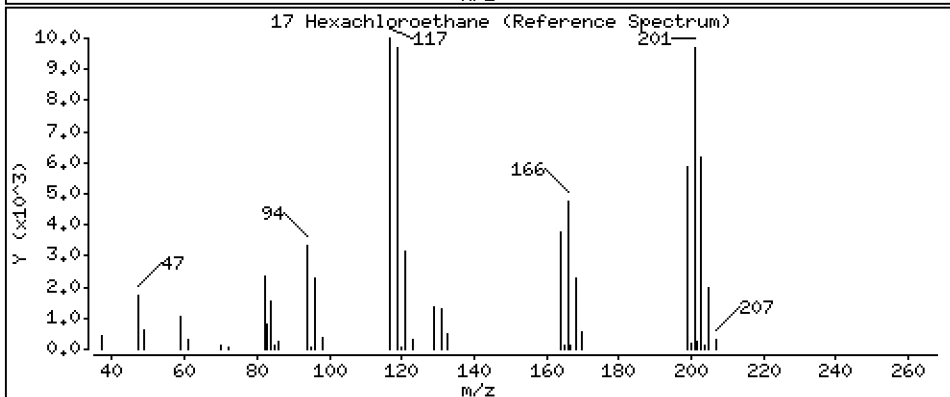
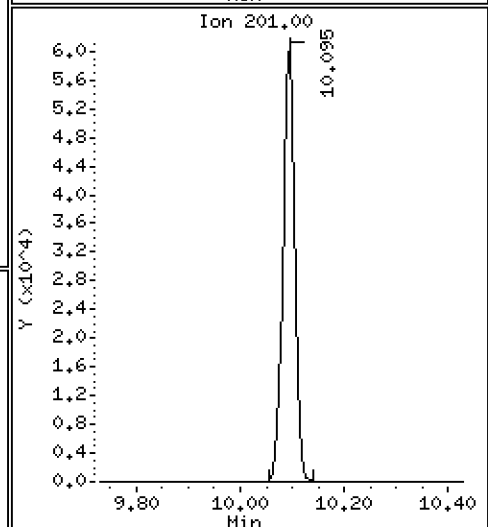
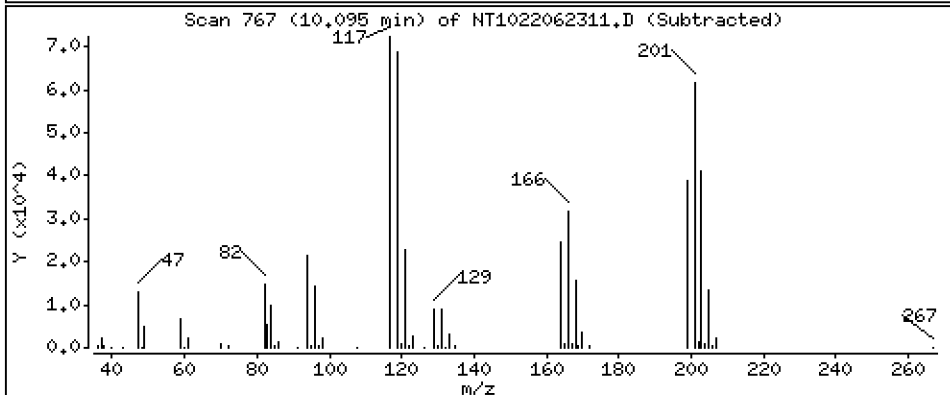
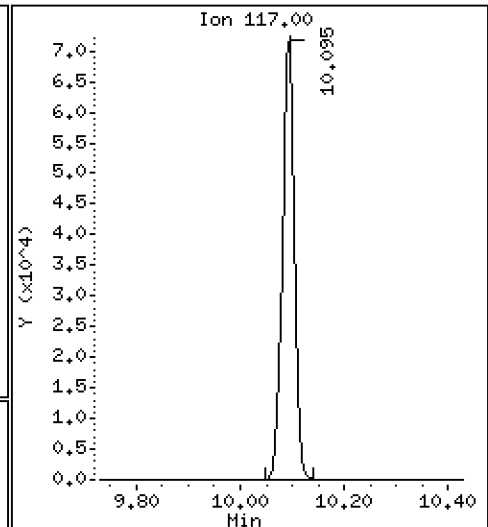
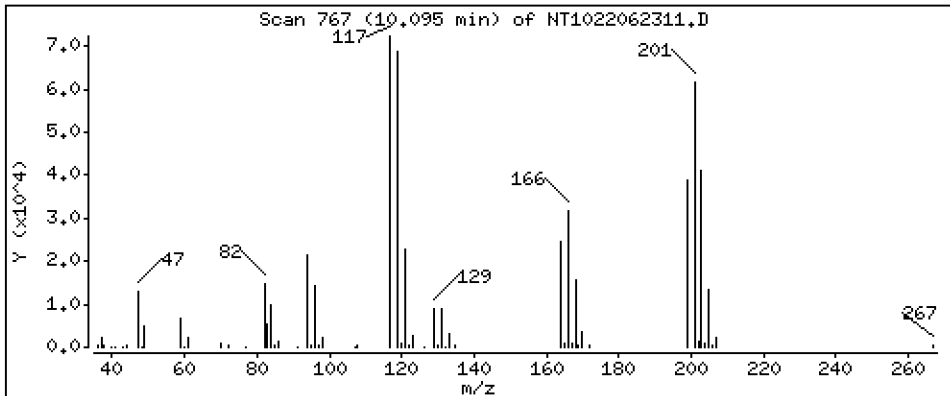
Operator: VTS

Column phase: ZB-5msi

Column diameter: 0,25

17 Hexachloroethane

Concentration: 5,296 ug/mL



Date : 23-JUN-2022 15:20

Client ID:

Instrument: nt10.i

Sample Info: SKF0270-SCV1

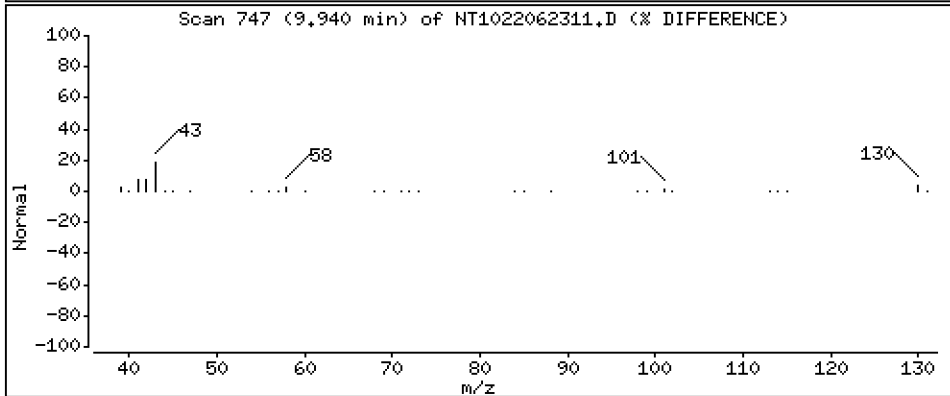
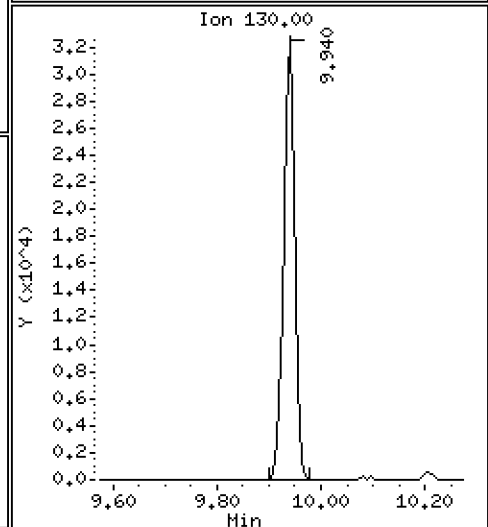
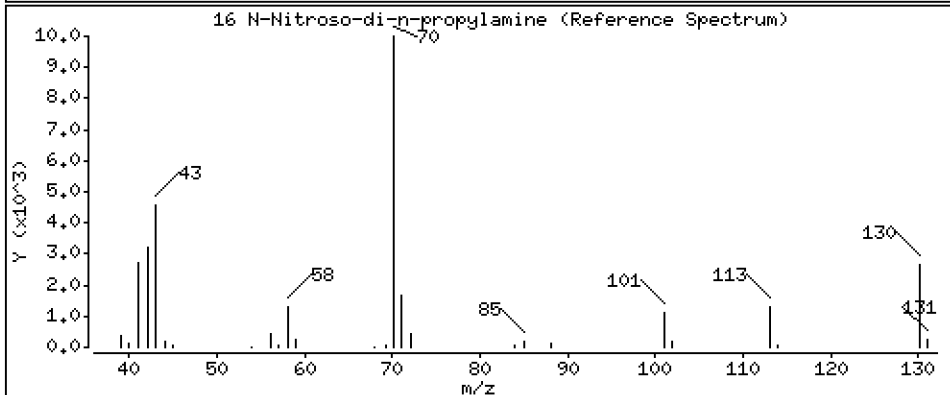
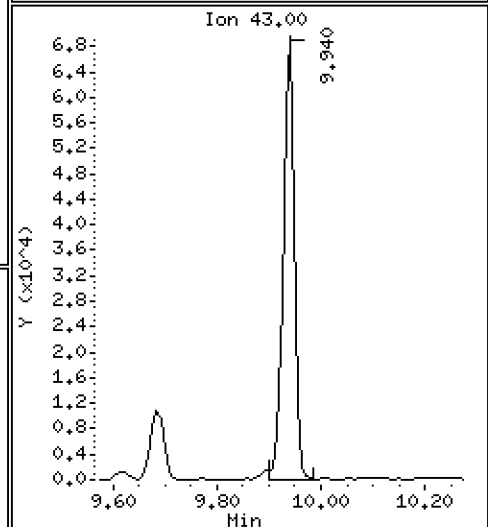
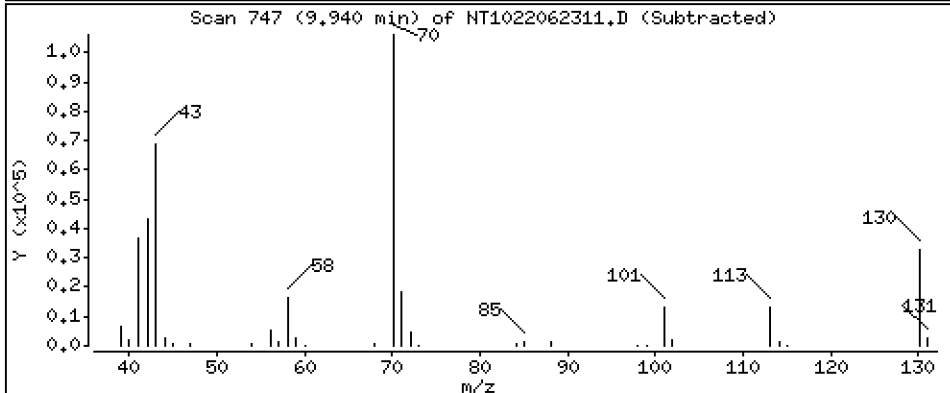
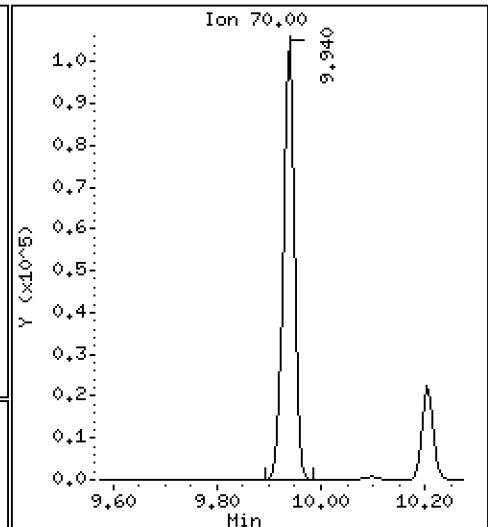
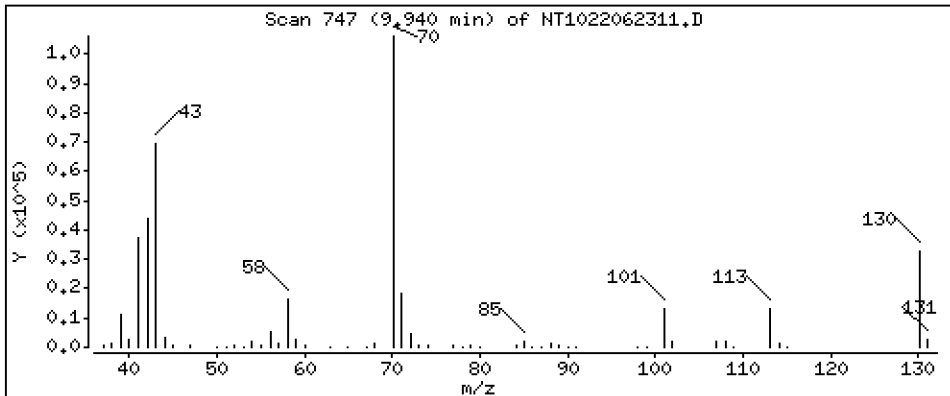
Operator: VTS

Column phase: ZB-5msi

Column diameter: 0,25

16 N-Nitroso-di-n-propylamine

Concentration: 5,116 ug/mL



Date : 23-JUN-2022 15:20

Client ID:

Instrument: nt10.i

Sample Info: SKF0270-SCV1

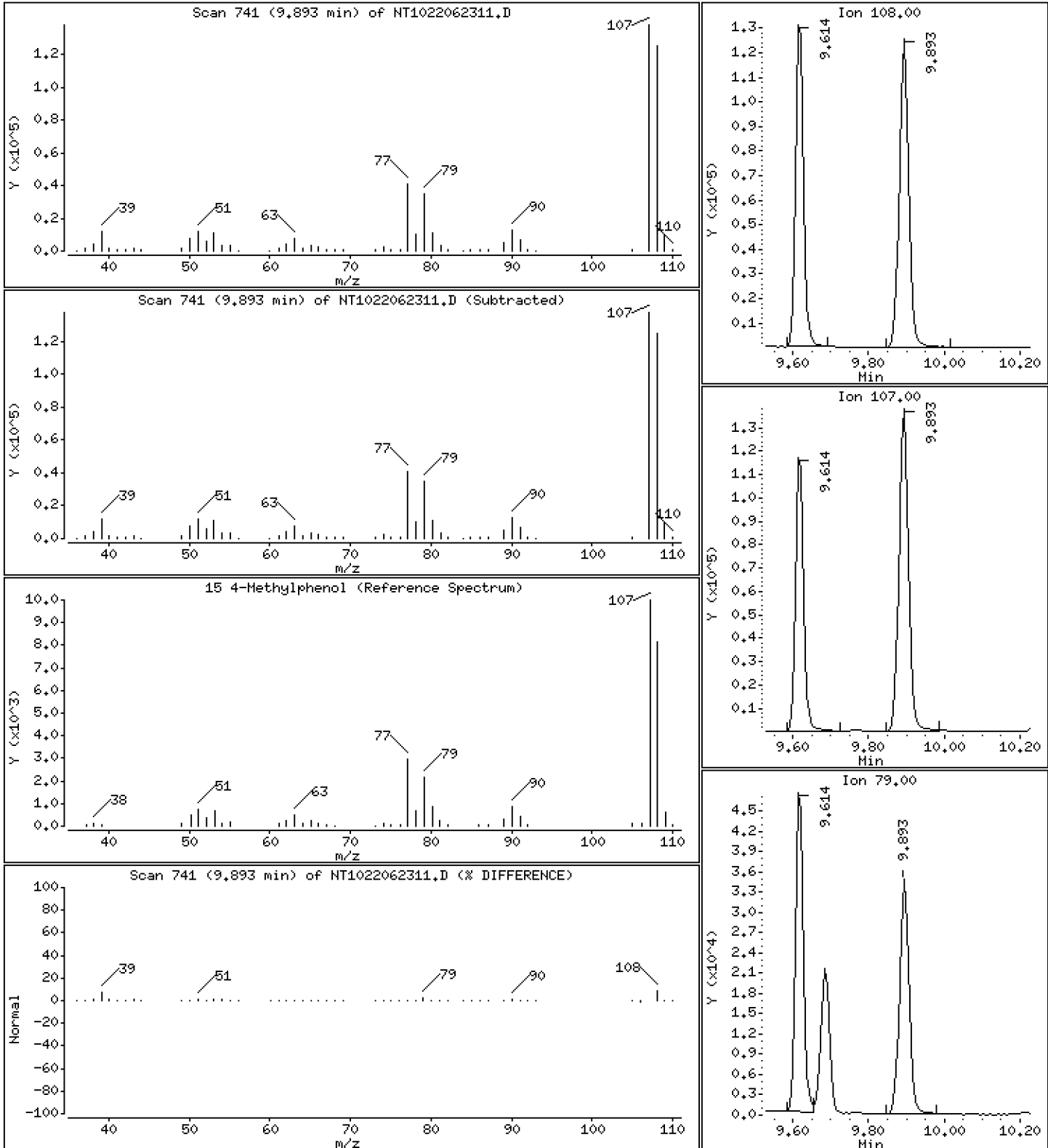
Operator: VTS

Column phase: ZB-5msi

Column diameter: 0,25

15 4-Methylphenol

Concentration: 4,592 ug/mL



Date : 23-JUN-2022 15:20

Client ID:

Instrument: nt10.i

Sample Info: SKF0270-SCV1

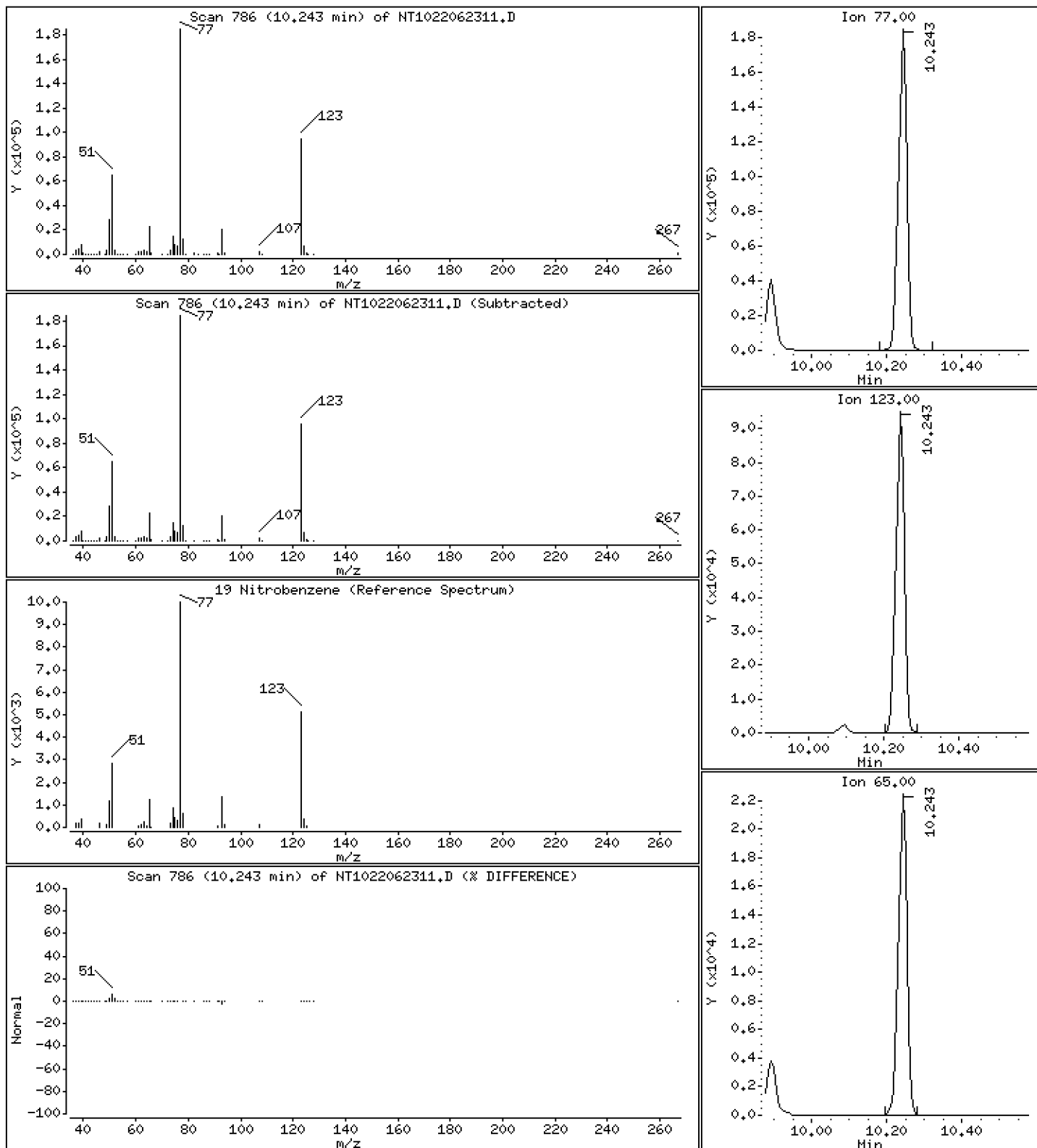
Operator: VTS

Column phase: ZB-5msi

Column diameter: 0,25

19 Nitrobenzene

Concentration: 5,138 ug/mL



Date : 23-JUN-2022 15:20

Client ID:

Instrument: nt10.i

Sample Info: SKF0270-SCV1

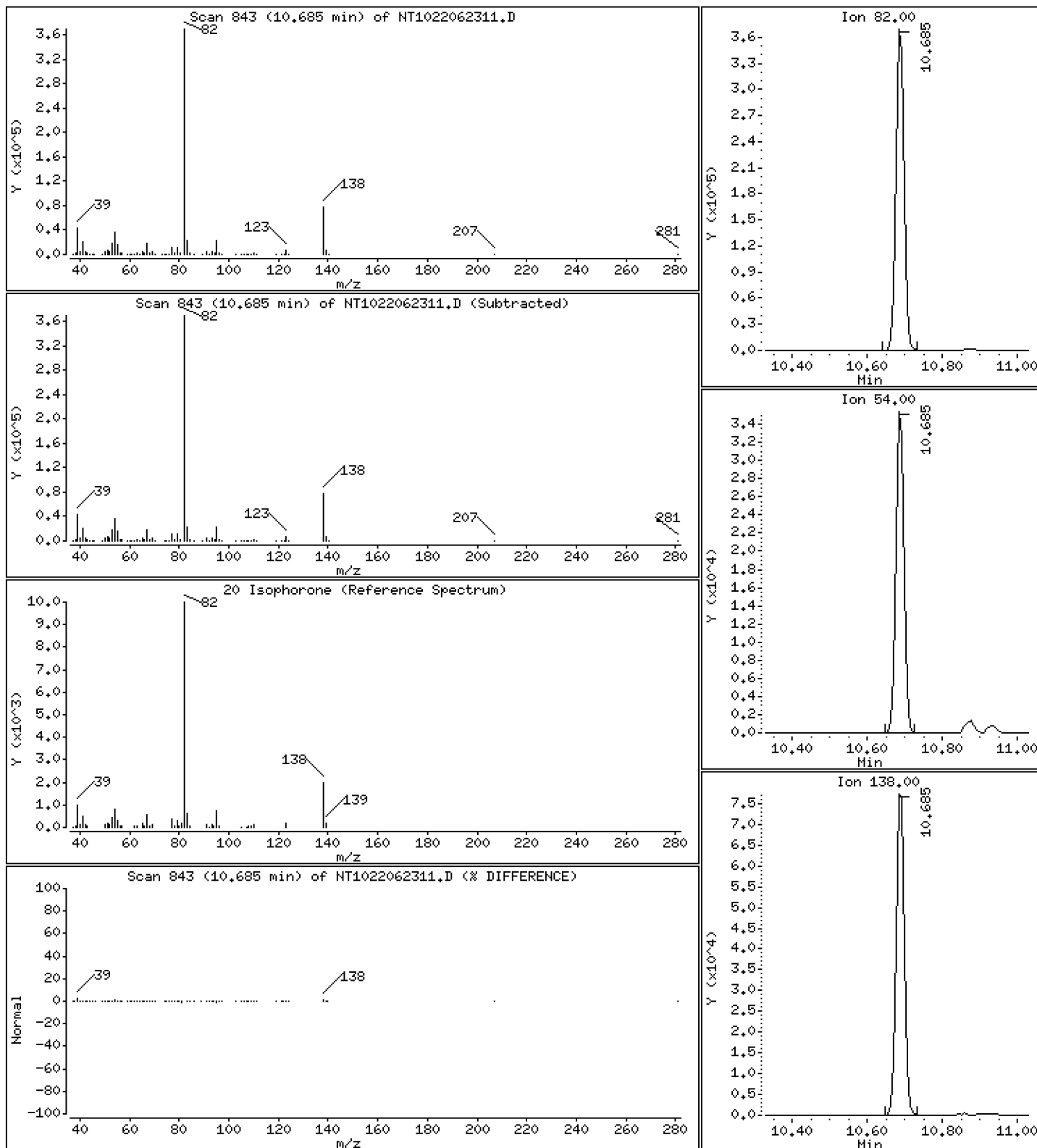
Operator: VTS

Column phase: ZB-5msi

Column diameter: 0,25

20 Isophorone

Concentration: 7,412 ug/mL



Date : 23-JUN-2022 15:20

Client ID:

Instrument: nt10.i

Sample Info: SKF0270-SCV1

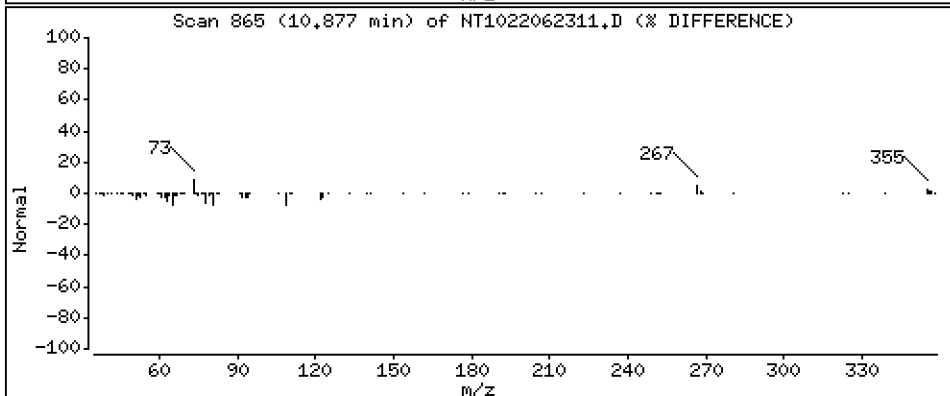
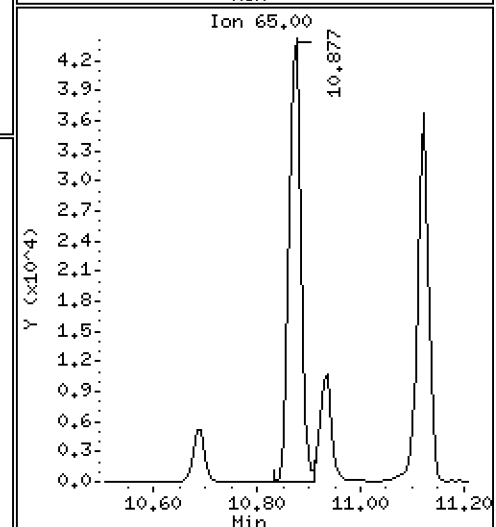
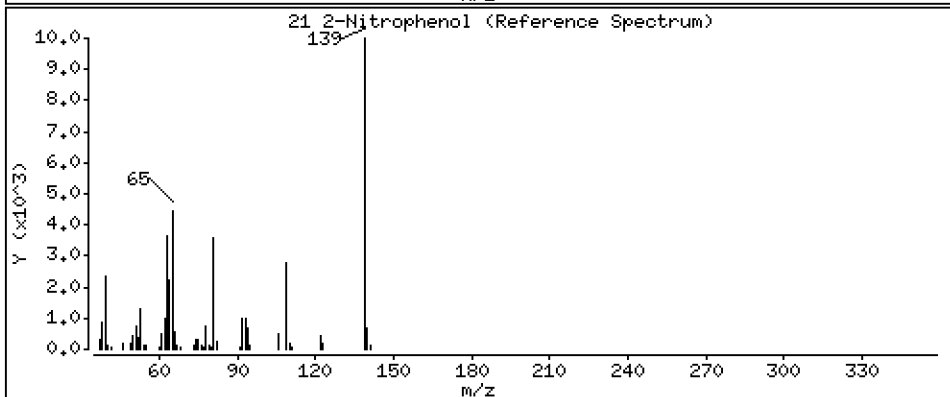
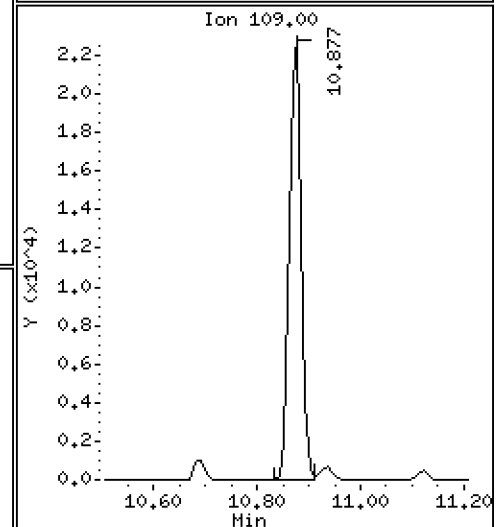
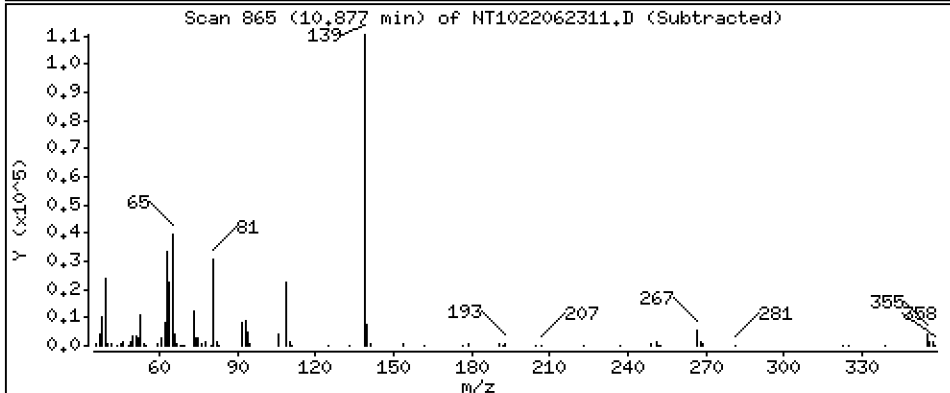
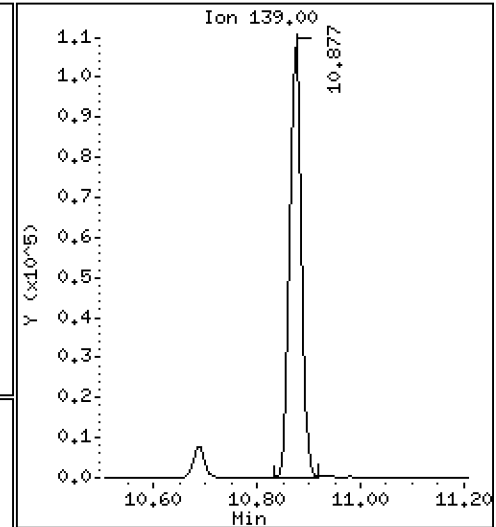
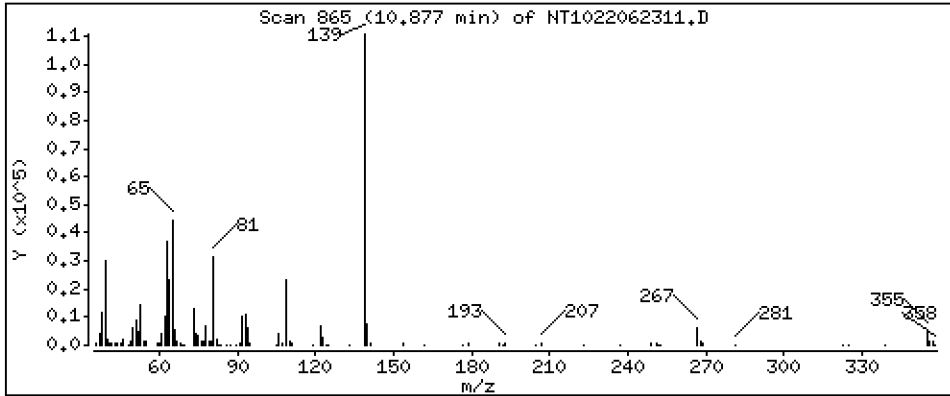
Operator: VTS

Column phase: ZB-5msi

Column diameter: 0,25

21 2-Nitrophenol

Concentration: 5,128 ug/mL



Date : 23-JUN-2022 15:20

Client ID:

Instrument: nt10.i

Sample Info: SKF0270-SCV1

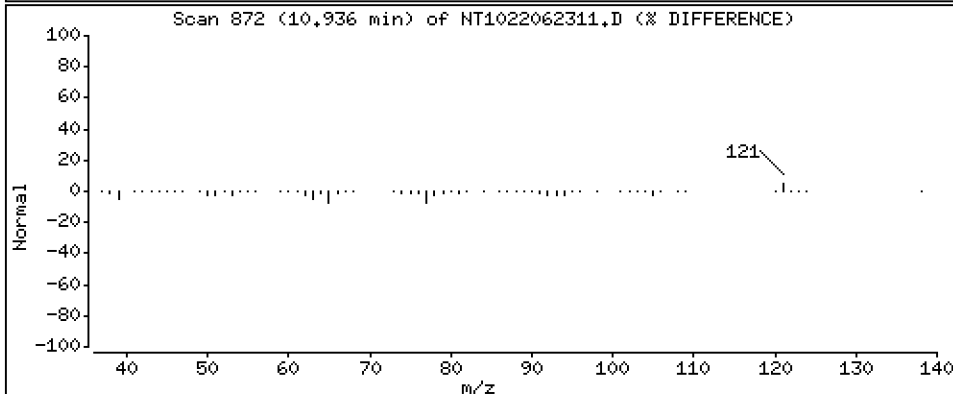
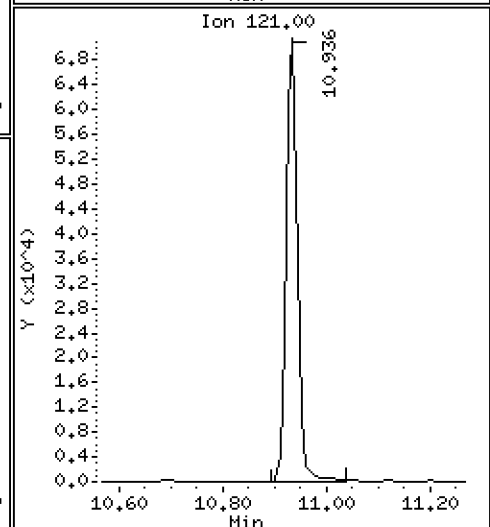
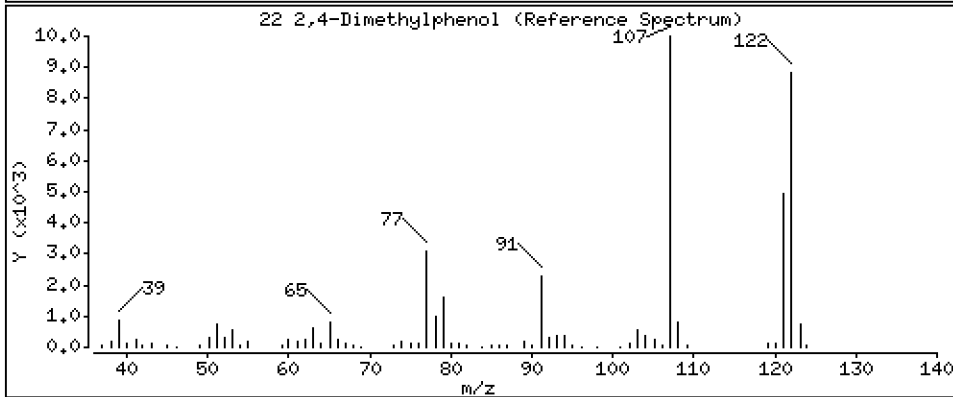
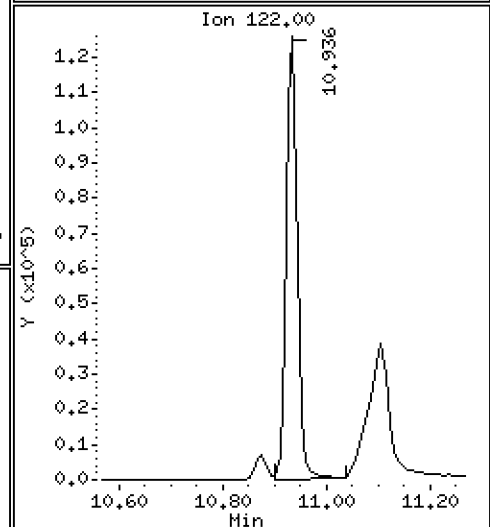
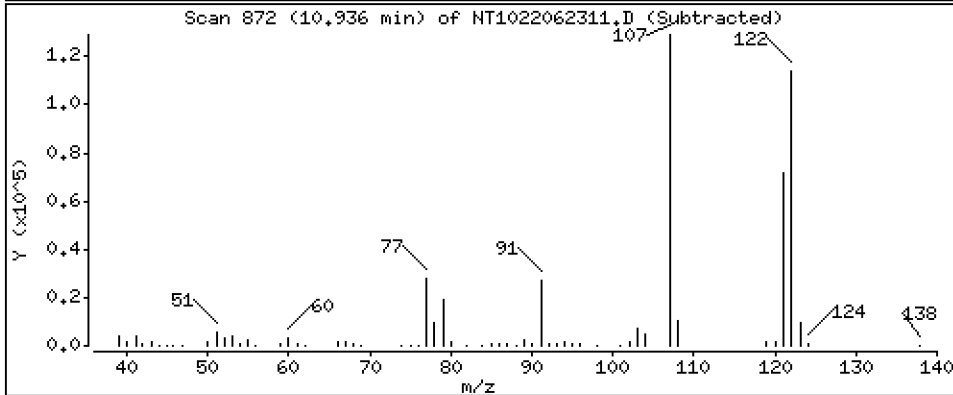
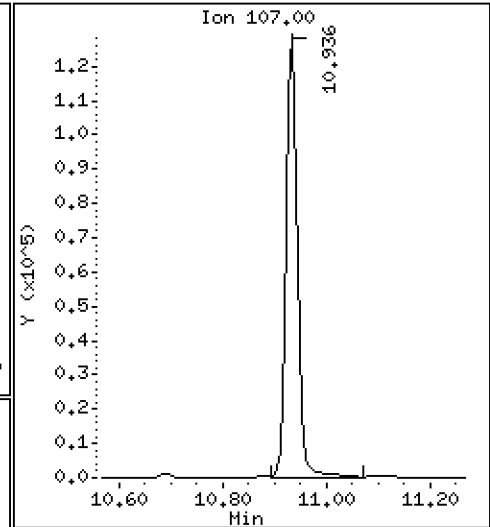
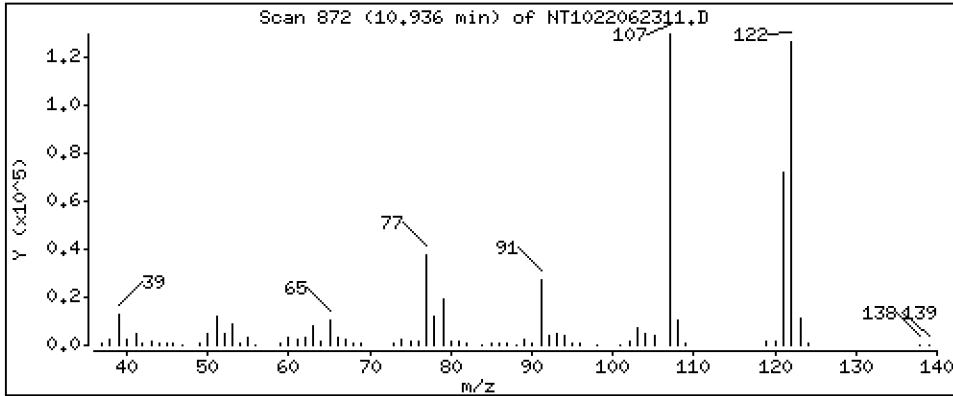
Operator: VTS

Column phase: ZB-5msi

Column diameter: 0,25

22 2,4-Dimethylphenol

Concentration: 4,736 ug/mL



Date : 23-JUN-2022 15:20

Client ID:

Instrument: nt10.i

Sample Info: SKF0270-SCV1

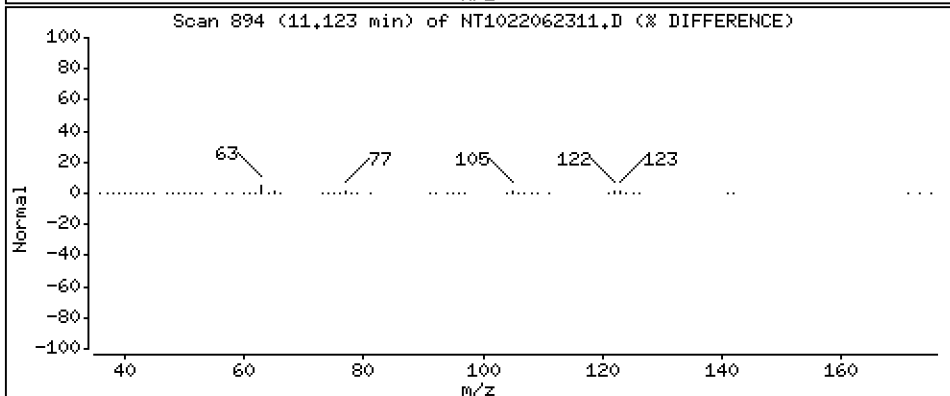
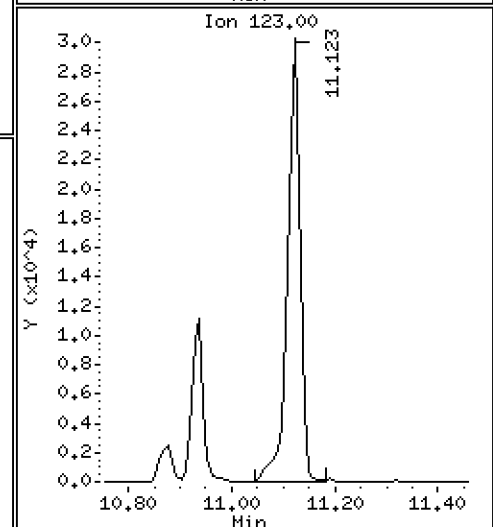
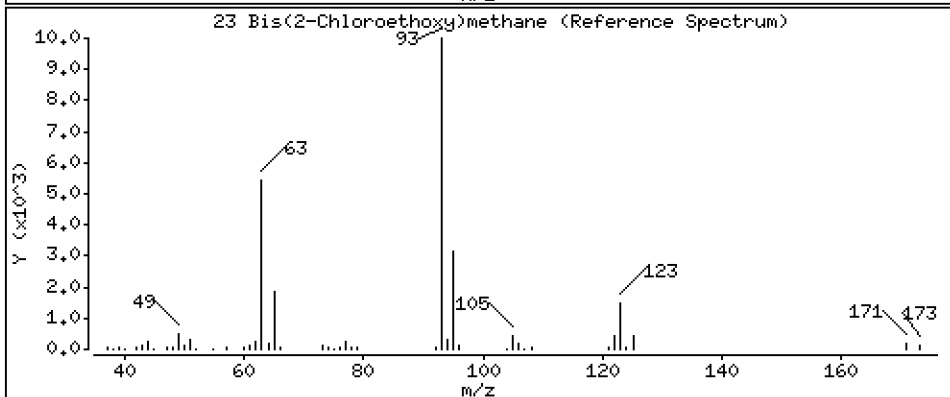
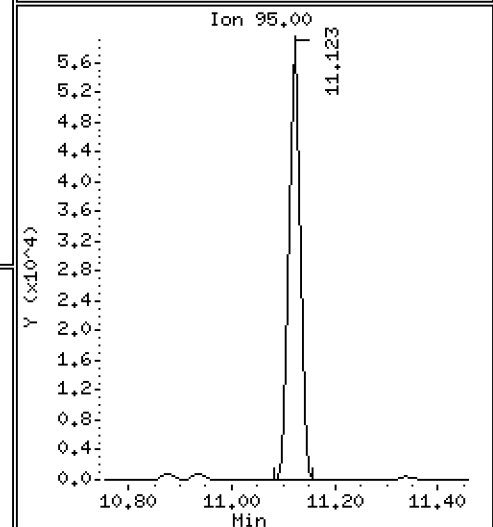
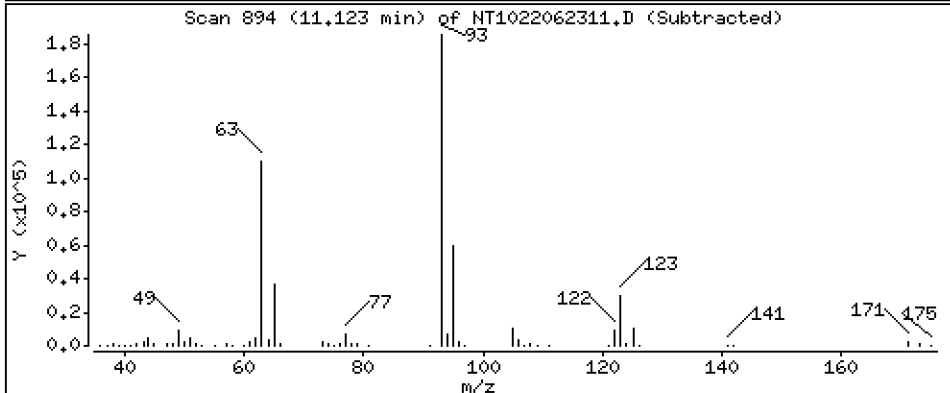
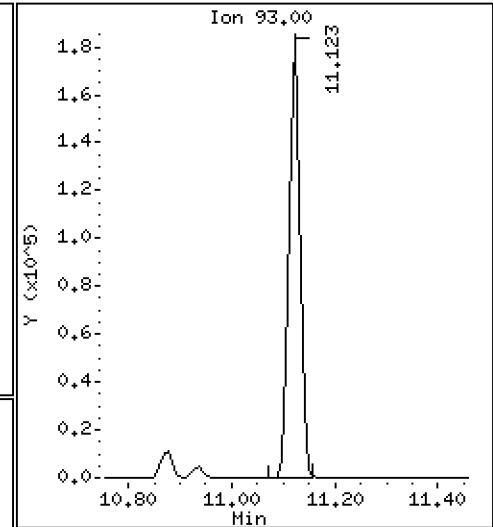
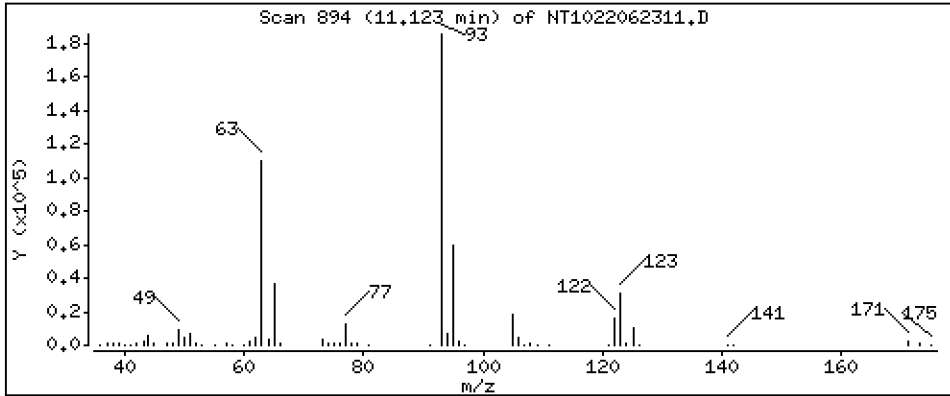
Operator: VTS

Column phase: ZB-5msi

Column diameter: 0,25

23 Bis(2-Chloroethoxy)methane

Concentration: 5,735 ug/mL



Date : 23-JUN-2022 15:20

Client ID:

Instrument: nt10.i

Sample Info: SKF0270-SCV1

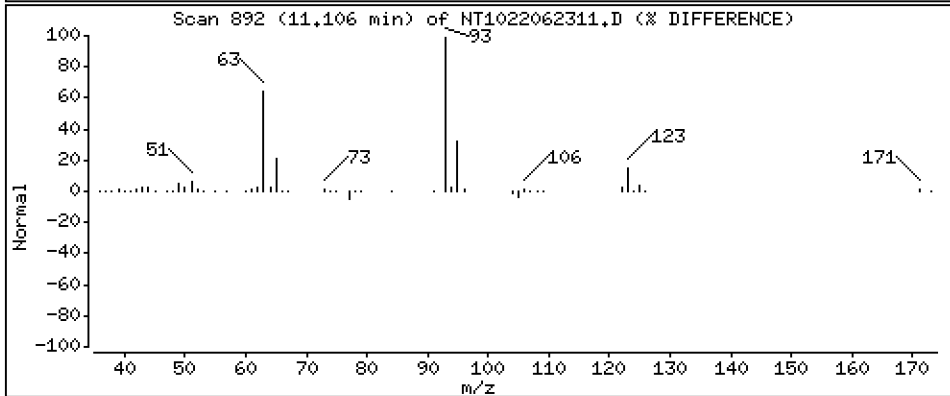
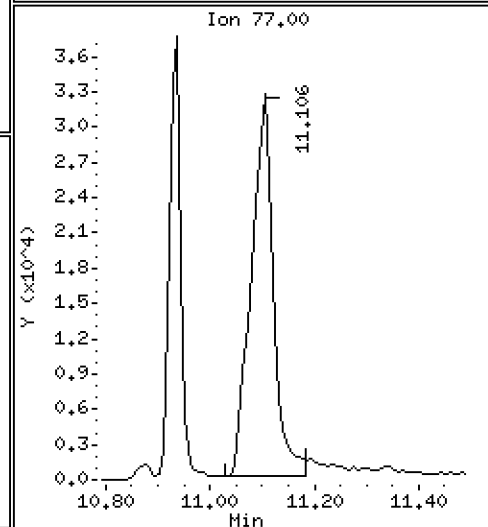
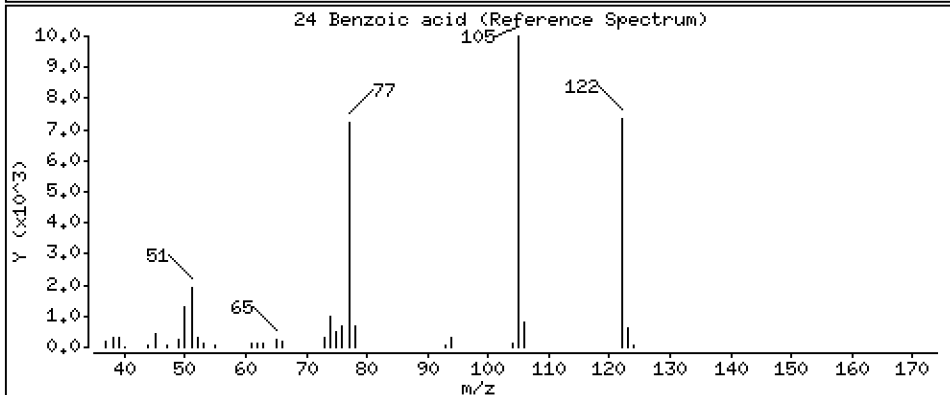
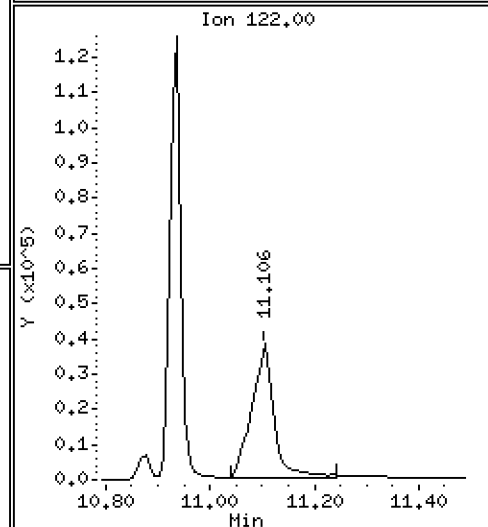
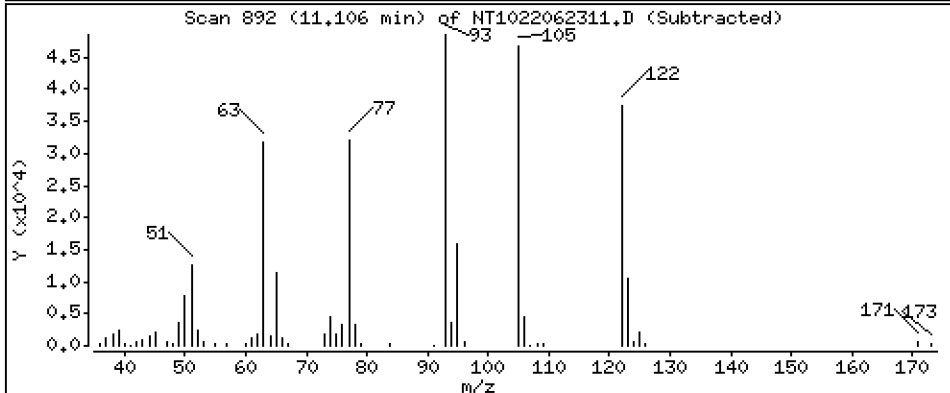
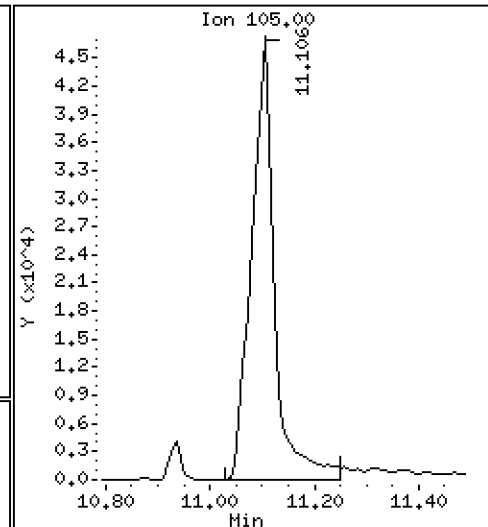
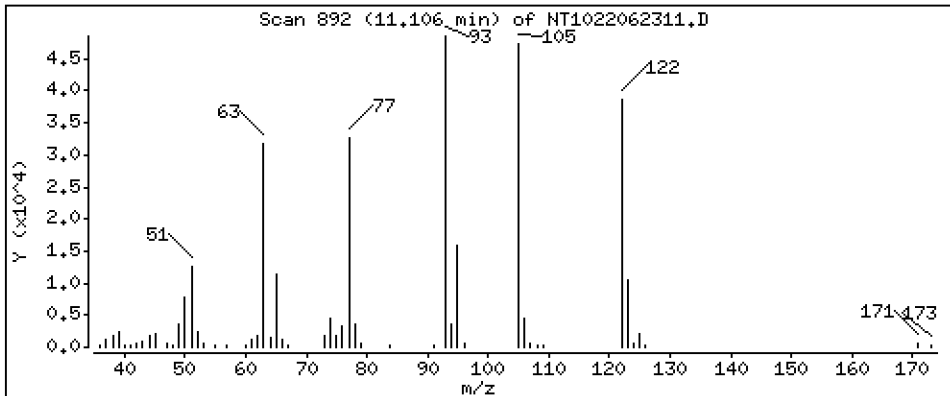
Operator: VTS

Column phase: ZB-5msi

Column diameter: 0,25

24 Benzoic acid

Concentration: 6,621 ug/mL



Date : 23-JUN-2022 15:20

Client ID:

Instrument: nt10.i

Sample Info: SKF0270-SCV1

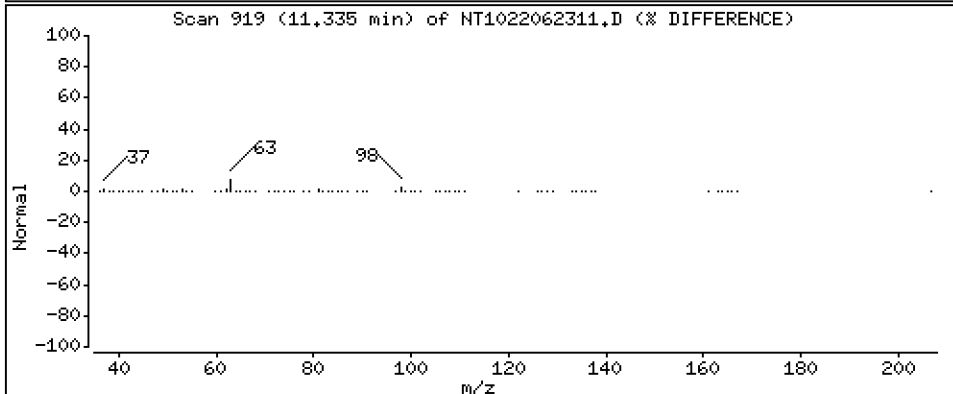
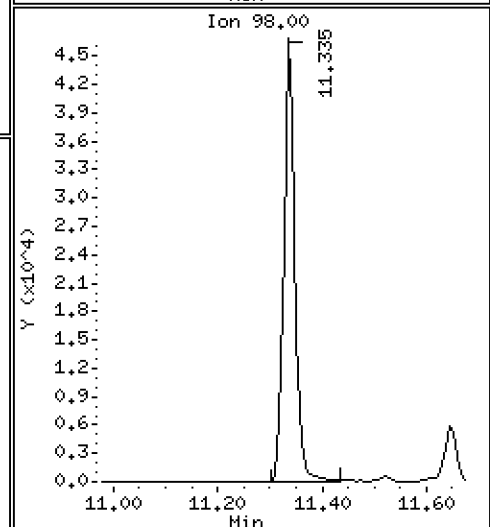
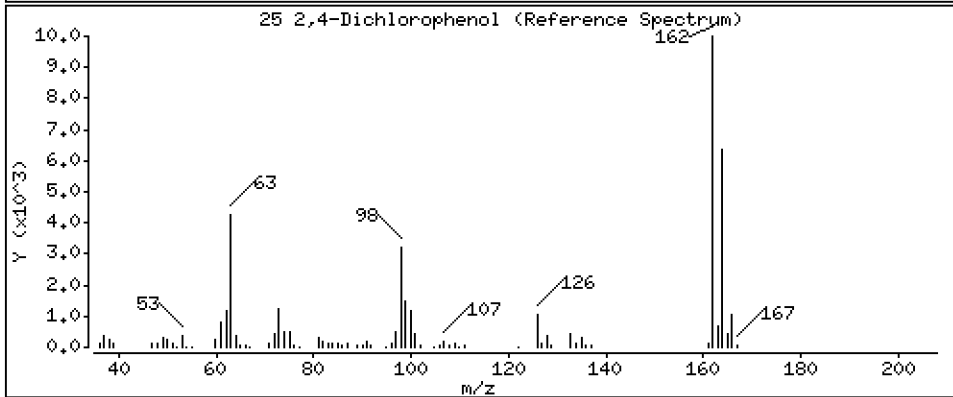
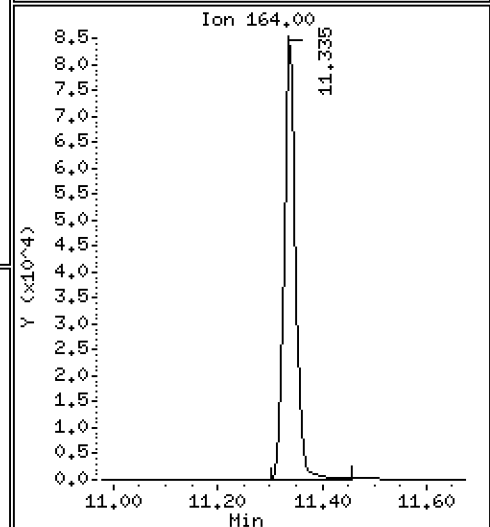
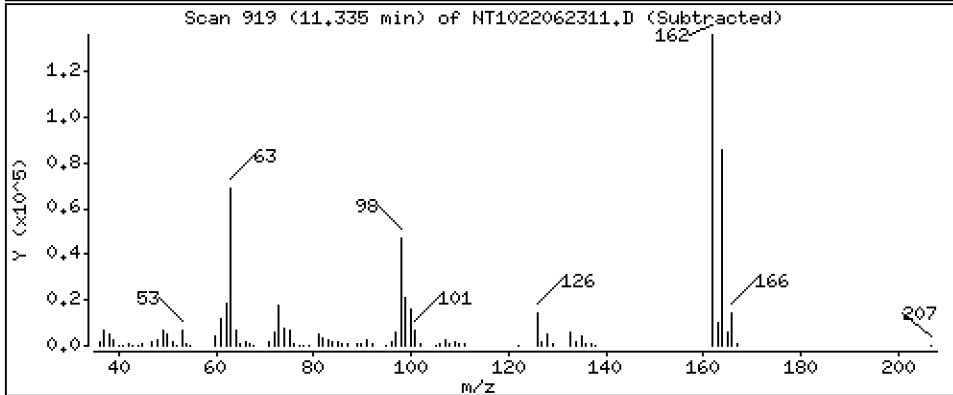
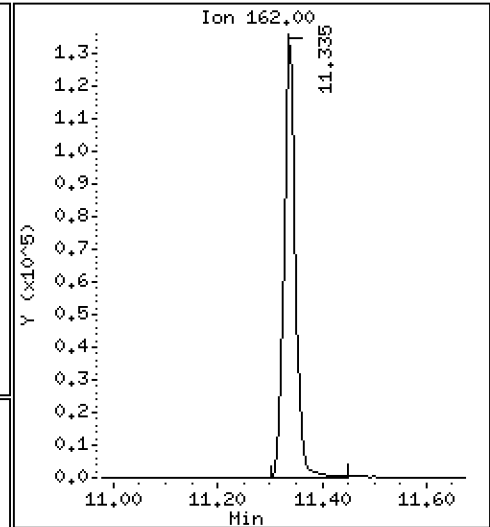
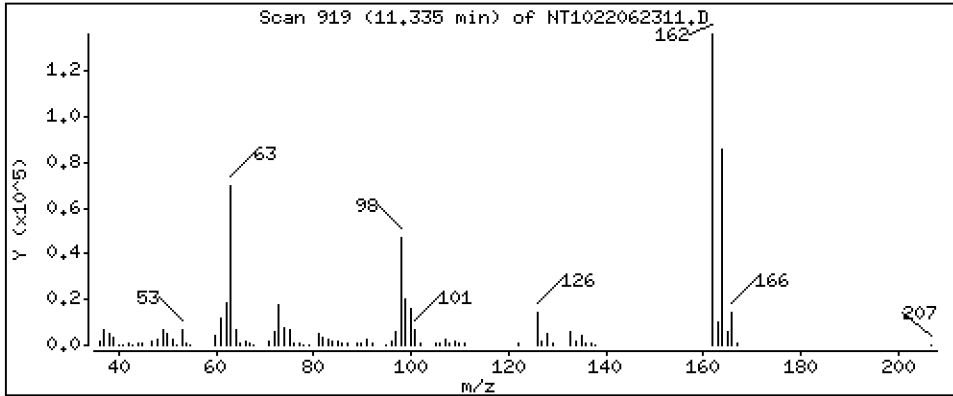
Operator: VTS

Column phase: ZB-5msi

Column diameter: 0,25

25 2,4-Dichlorophenol

Concentration: 5,545 ug/mL



Date : 23-JUN-2022 15:20

Client ID:

Instrument: nt10.i

Sample Info: SKF0270-SCV1

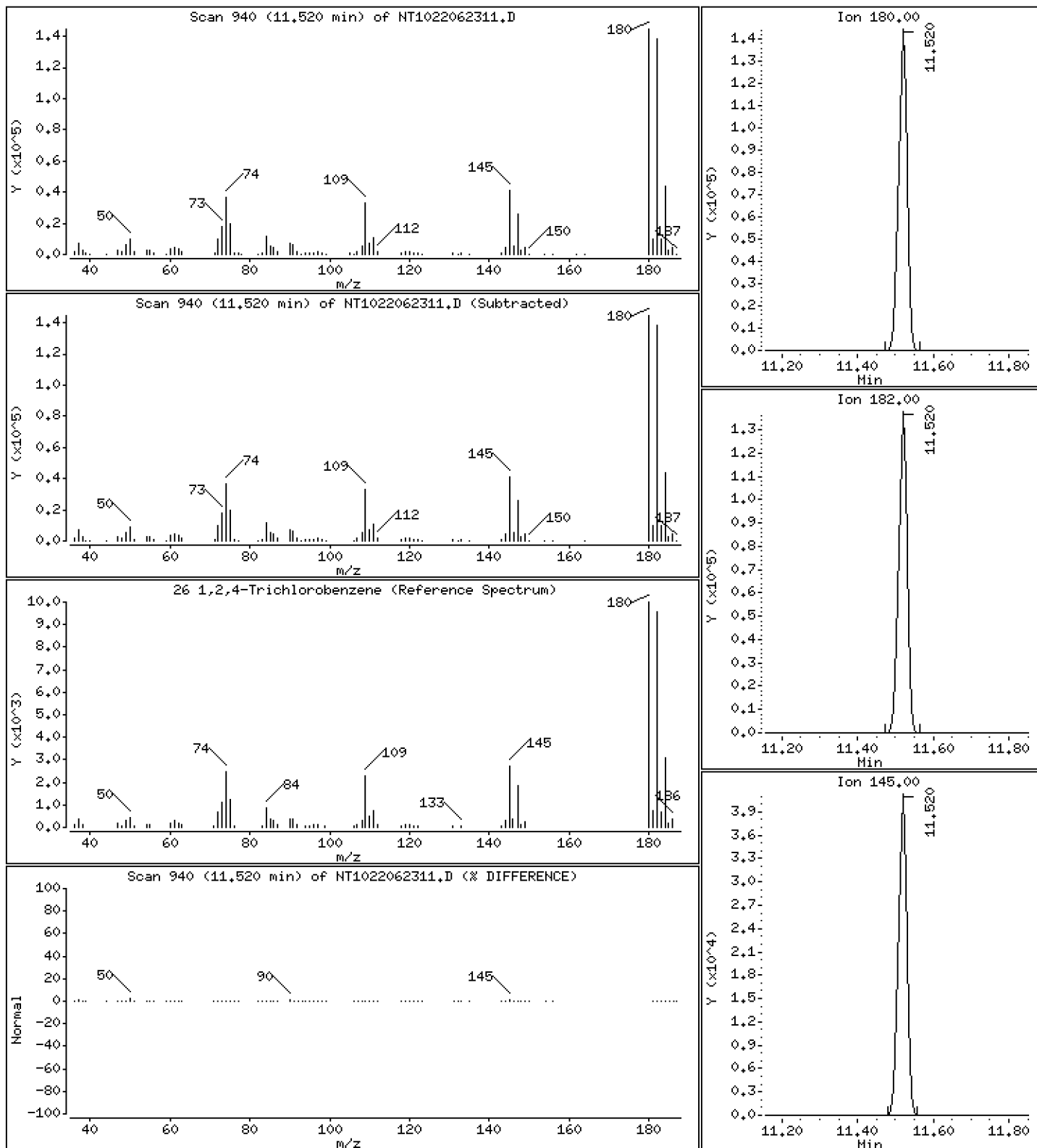
Operator: VTS

Column phase: ZB-5msi

Column diameter: 0,25

26 1,2,4-Trichlorobenzene

Concentration: 4,888 ug/mL



Date : 23-JUN-2022 15:20

Client ID:

Instrument: nt10.i

Sample Info: SKF0270-SCV1

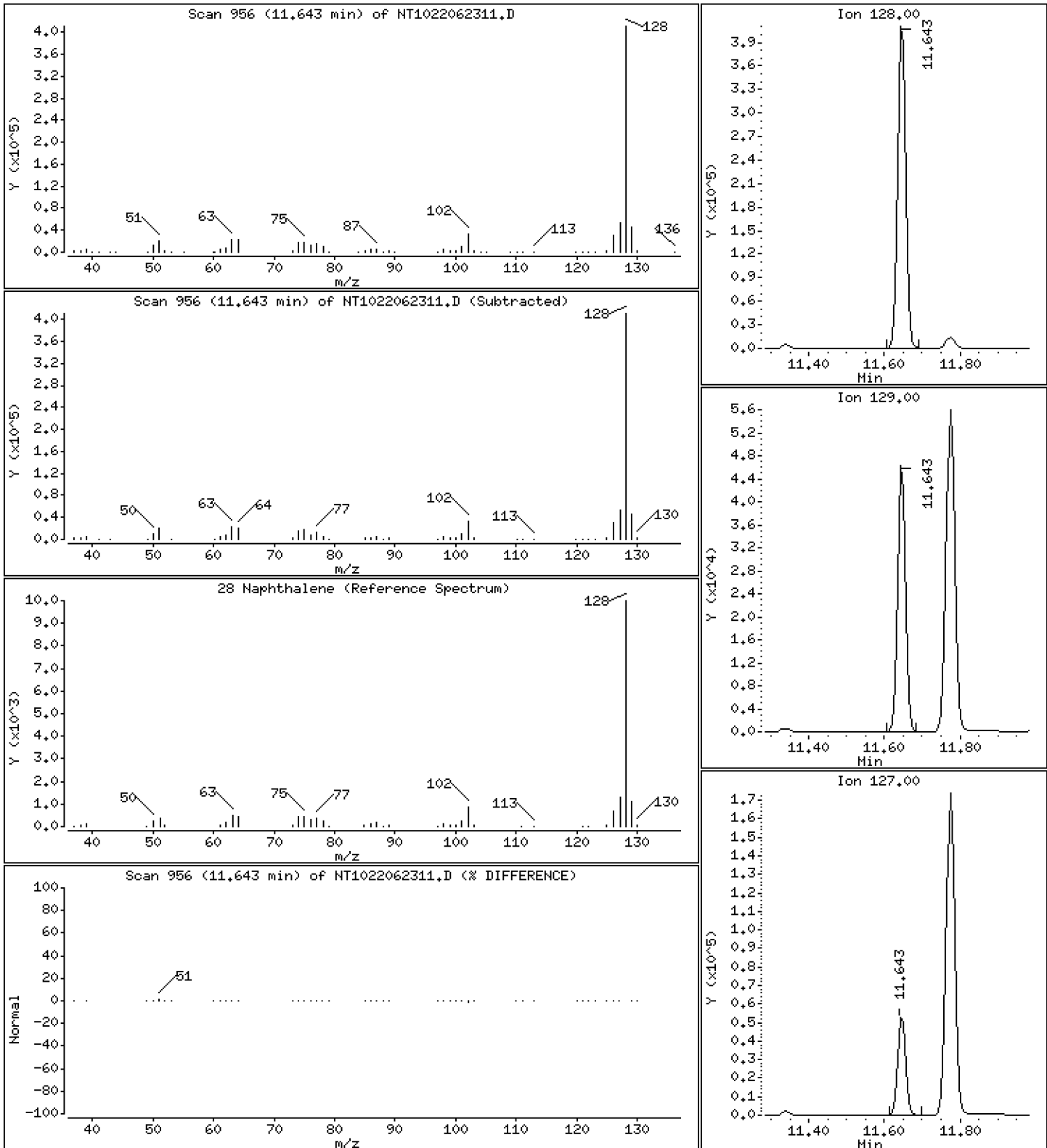
Operator: VTS

Column phase: ZB-5msi

Column diameter: 0,25

28 Naphthalene

Concentration: 4,947 ug/mL



Date : 23-JUN-2022 15:20

Client ID:

Instrument: nt10.i

Sample Info: SKF0270-SCV1

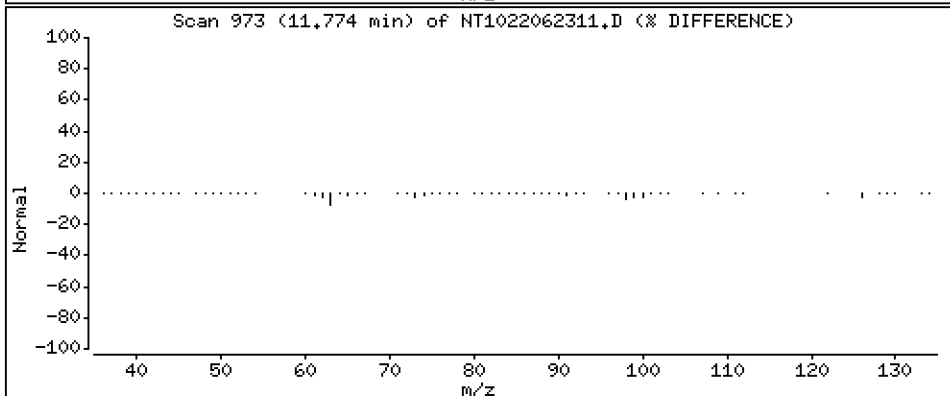
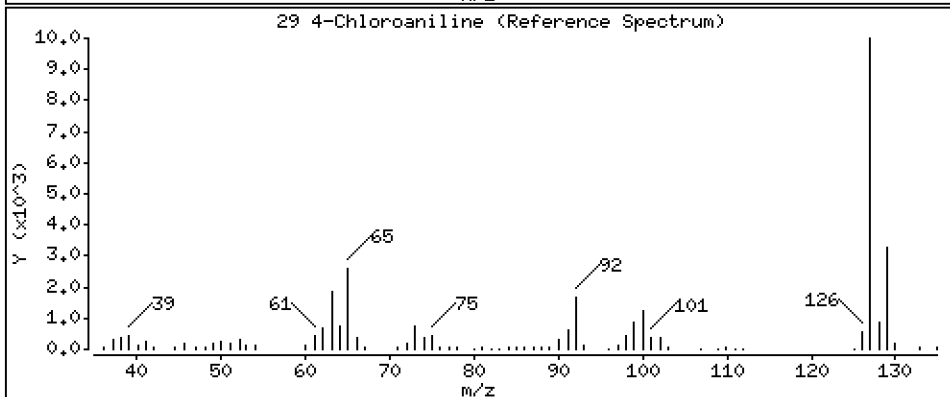
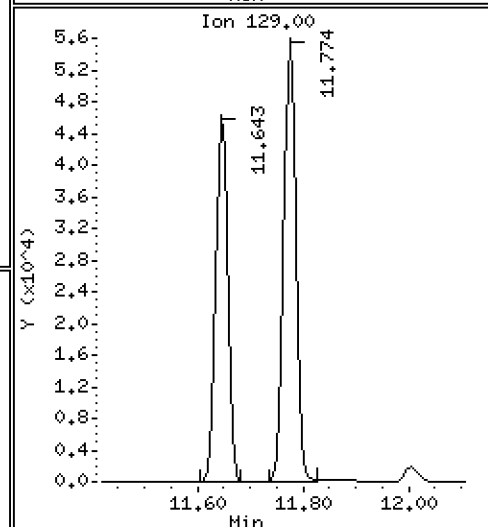
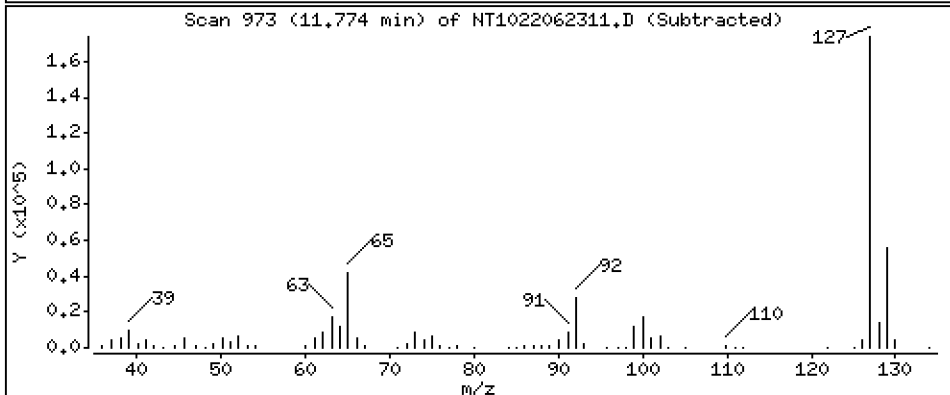
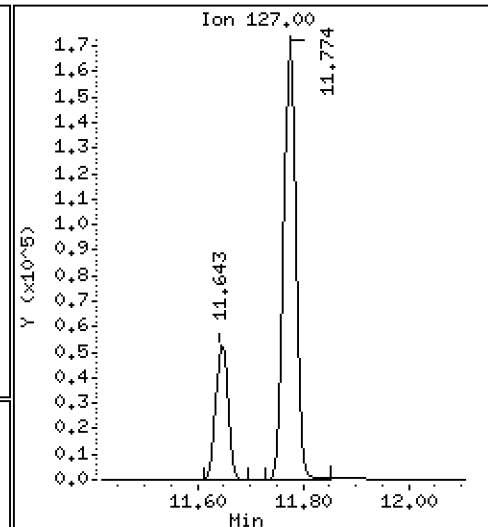
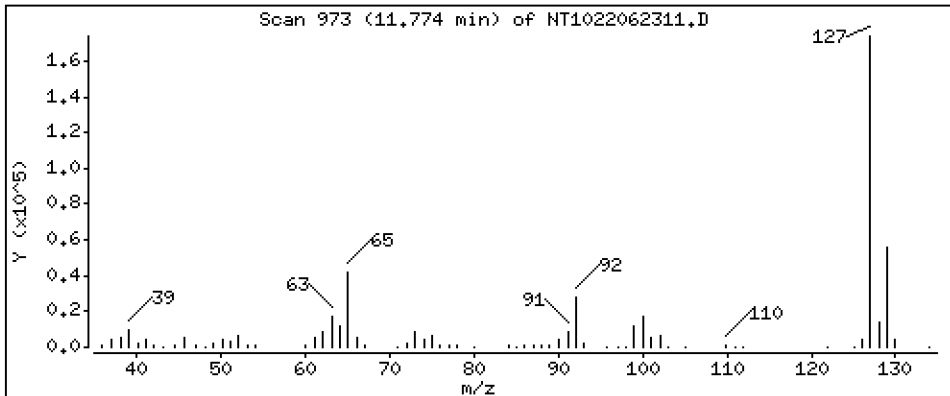
Operator: VTS

Column phase: ZB-5msi

Column diameter: 0,25

29 4-Chloroaniline

Concentration: 4,646 ug/mL



Date : 23-JUN-2022 15:20

Client ID:

Instrument: nt10.i

Sample Info: SKF0270-SCV1

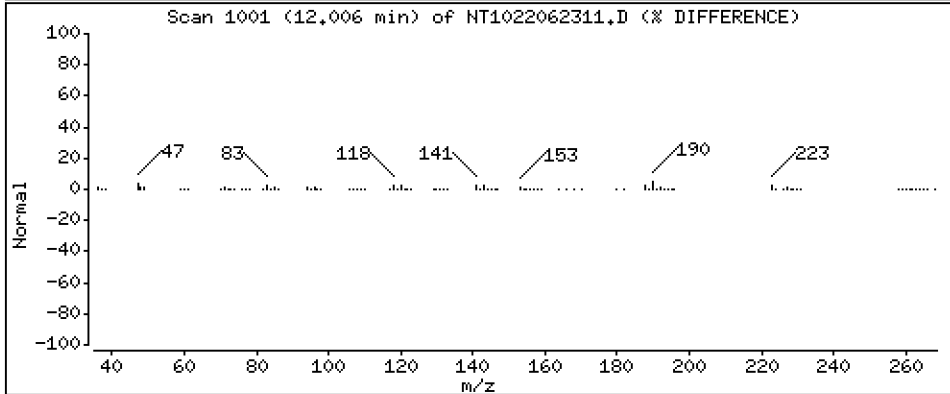
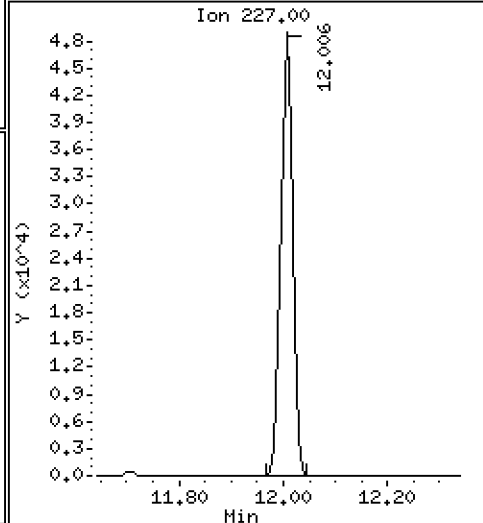
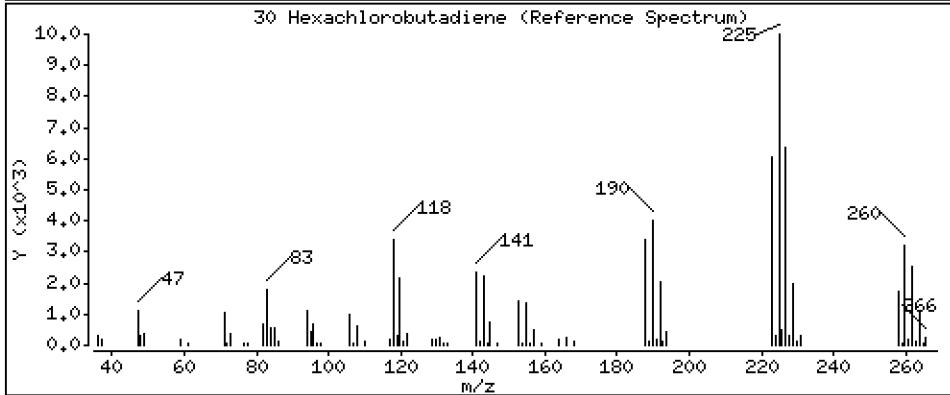
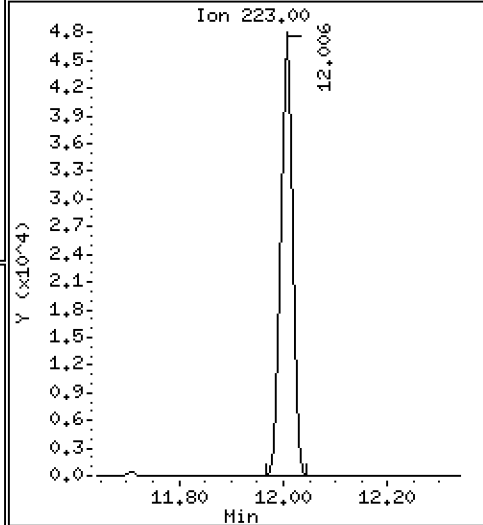
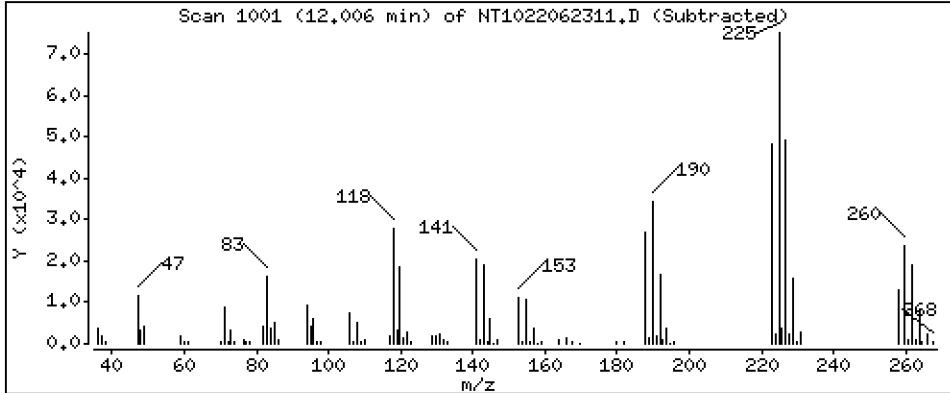
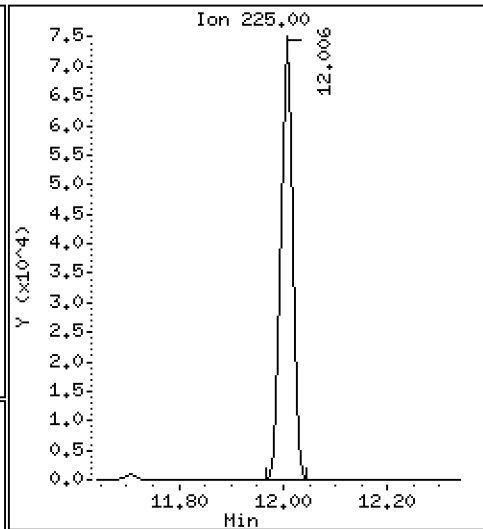
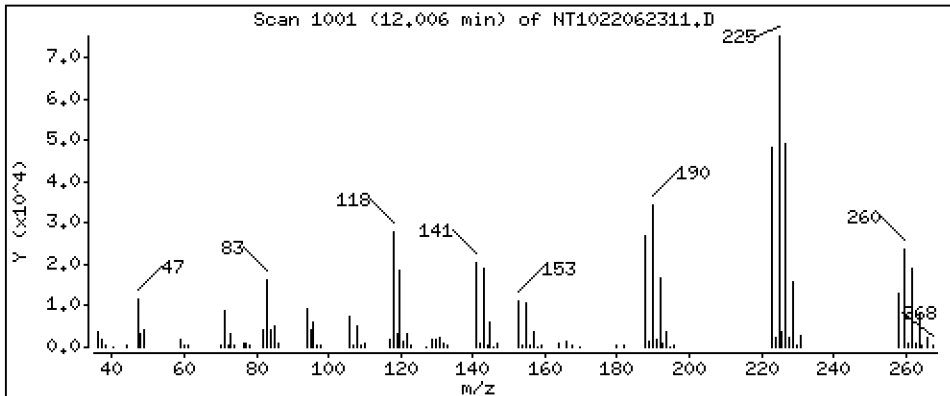
Operator: VTS

Column phase: ZB-5msi

Column diameter: 0,25

30 Hexachlorobutadiene

Concentration: 5,339 ug/mL



Date : 23-JUN-2022 15:20

Client ID:

Instrument: nt10.i

Sample Info: SKF0270-SCV1

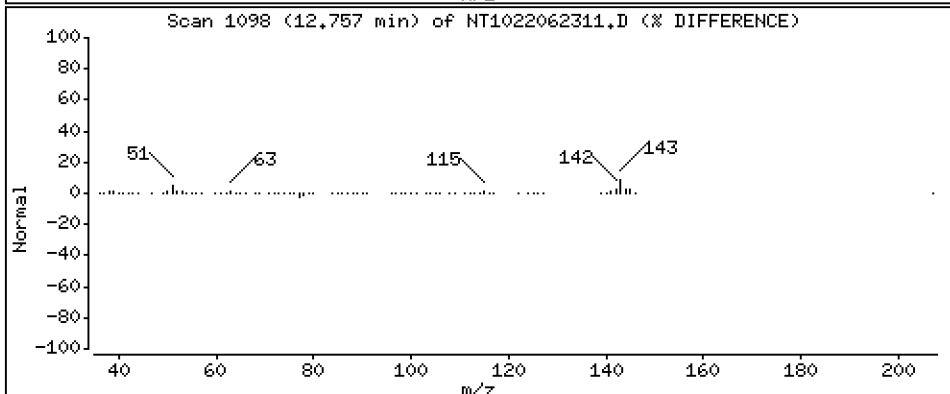
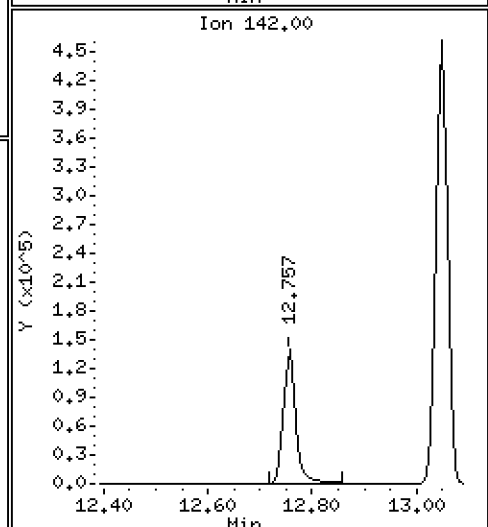
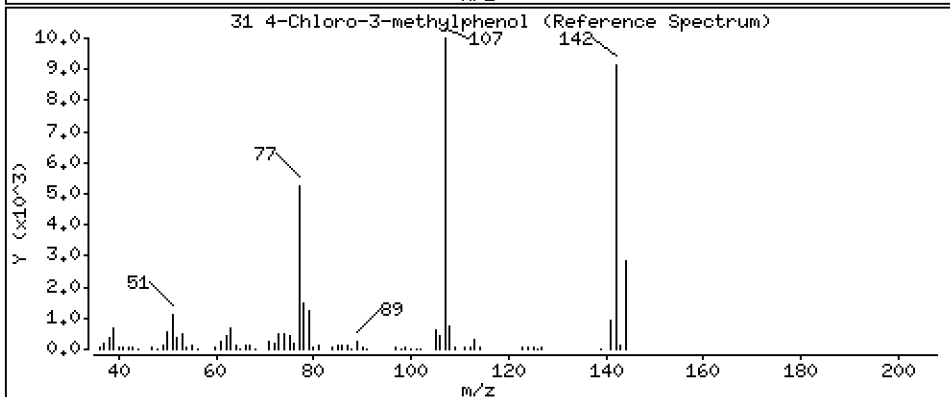
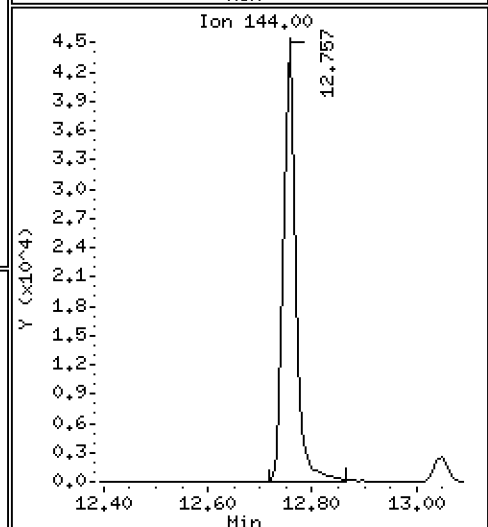
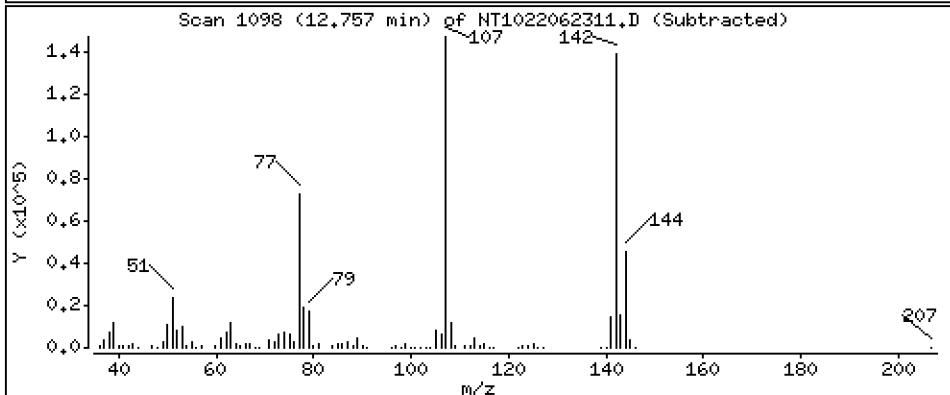
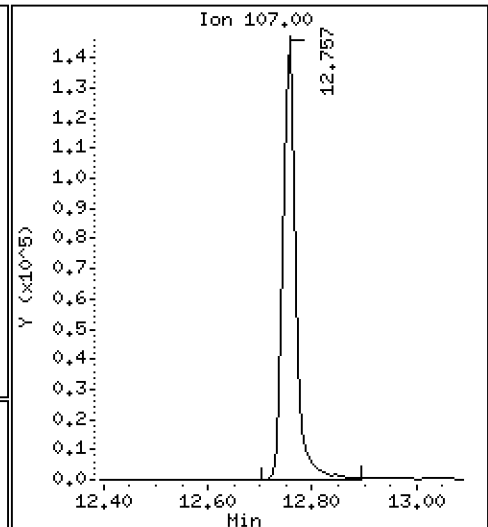
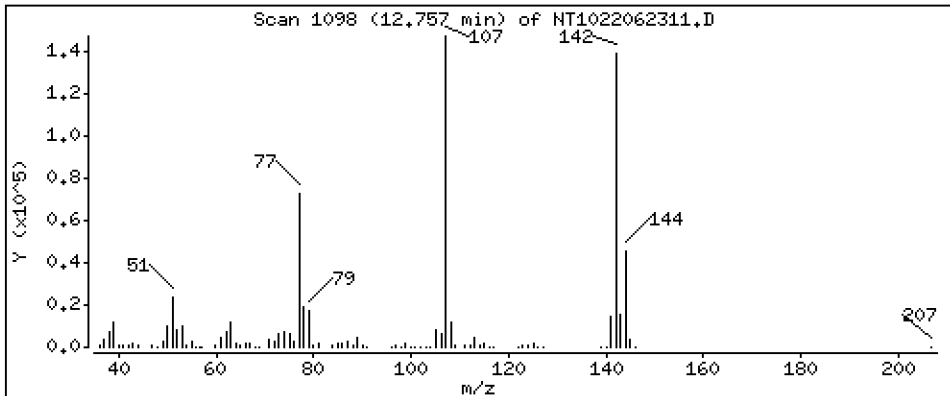
Operator: VTS

Column phase: ZB-5msi

Column diameter: 0,25

31 4-Chloro-3-methylphenol

Concentration: 4,853 ug/mL



Date : 23-JUN-2022 15:20

Client ID:

Instrument: nt10.i

Sample Info: SKF0270-SCV1

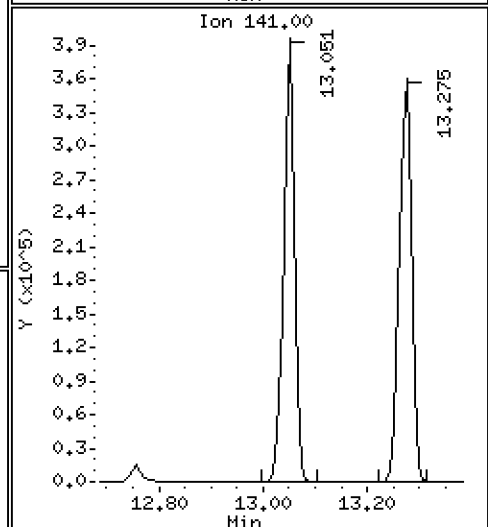
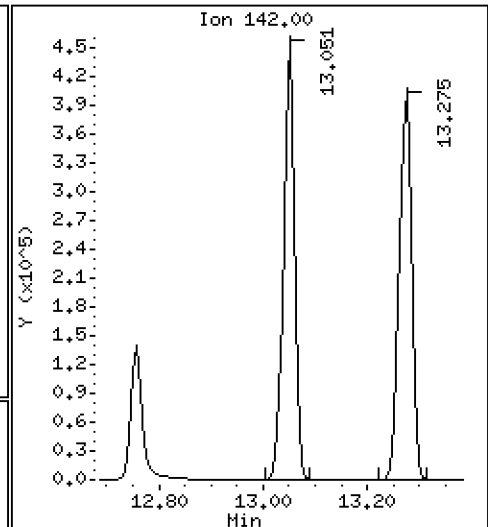
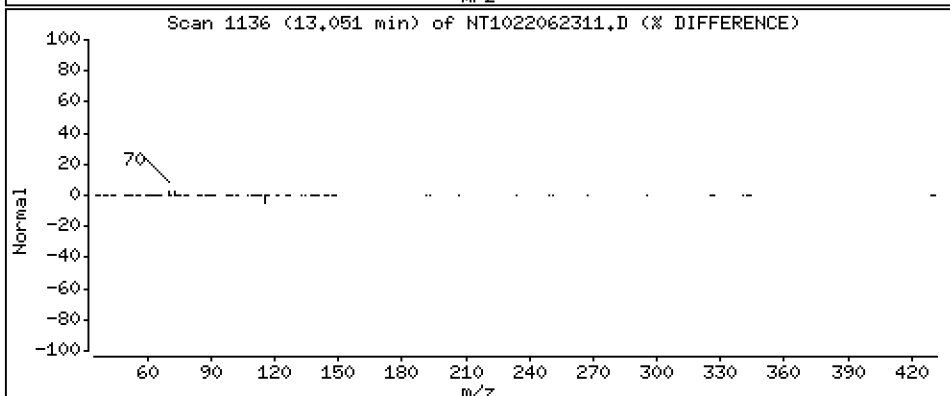
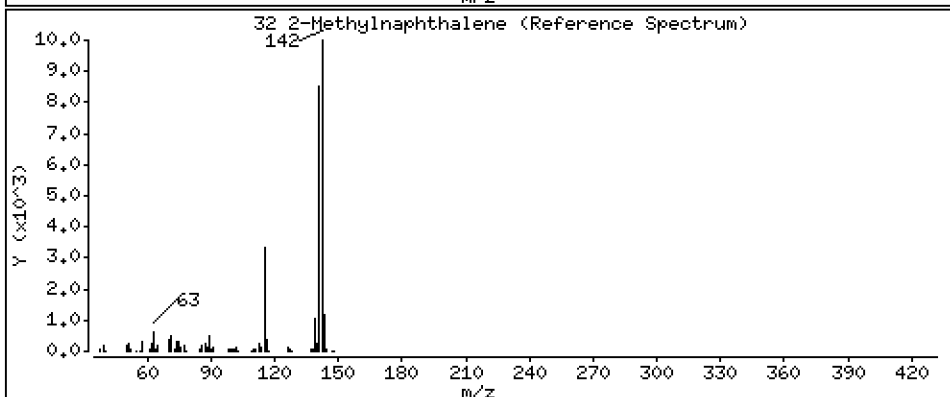
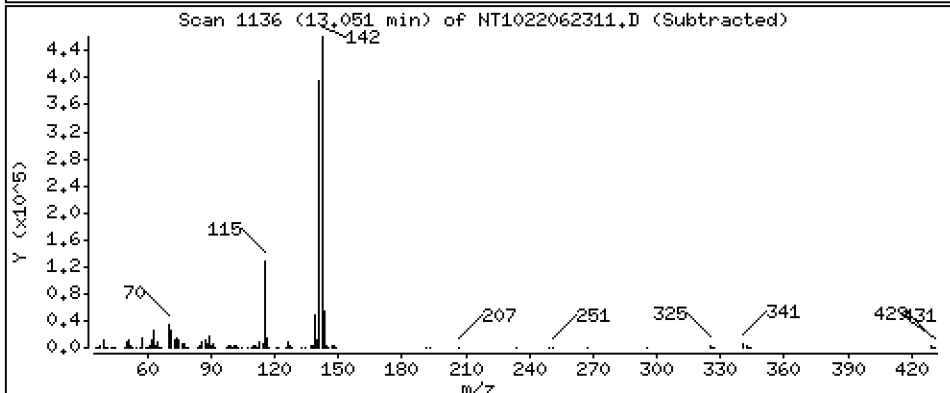
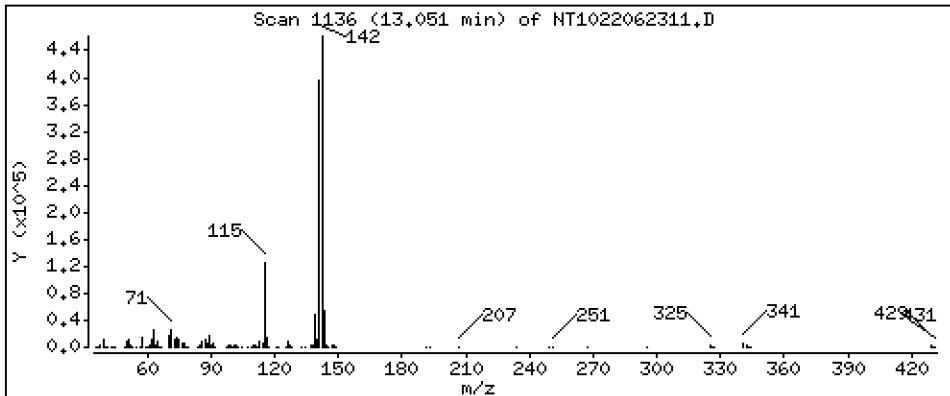
Operator: VTS

Column phase: ZB-5msi

Column diameter: 0,25

32 2-Methylnaphthalene

Concentration: 5,214 ug/mL



Date : 23-JUN-2022 15:20

Client ID:

Instrument: nt10.i

Sample Info: SKF0270-SCV1

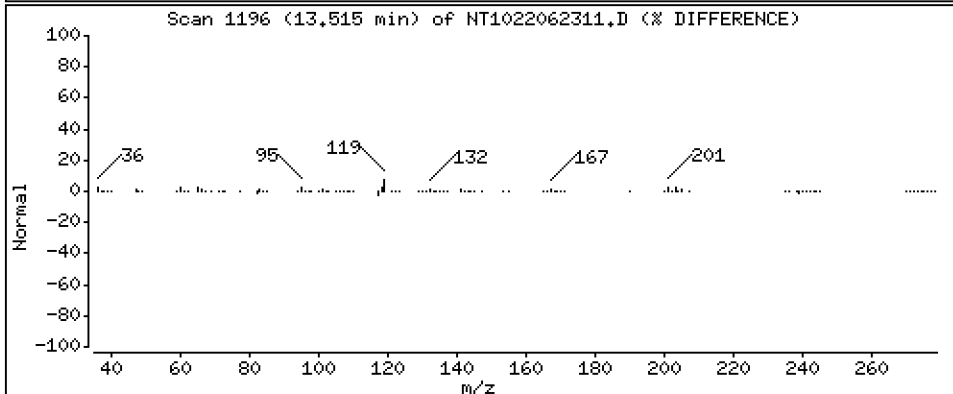
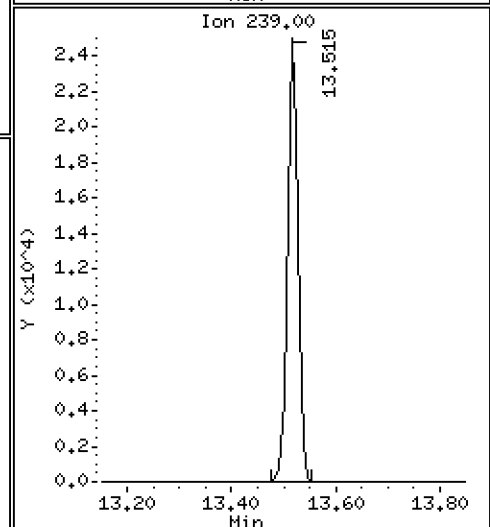
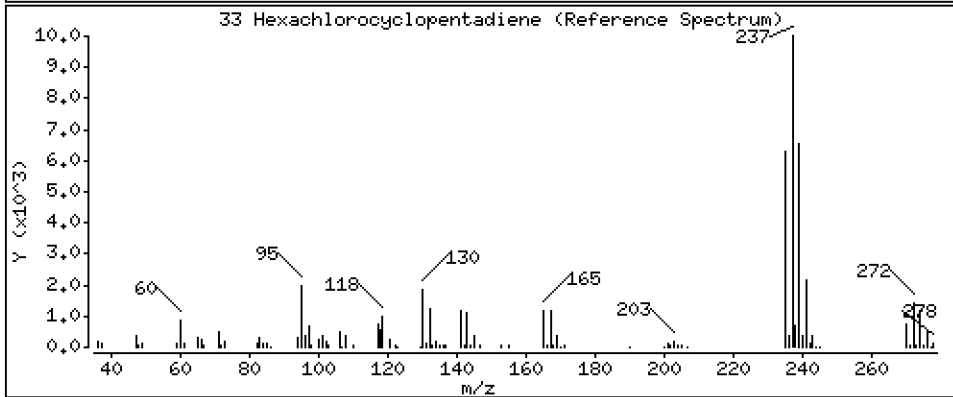
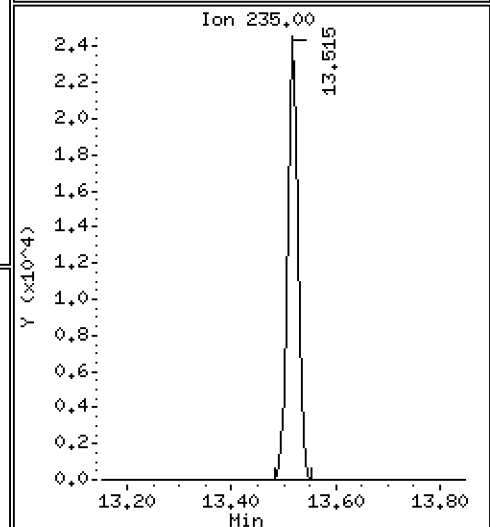
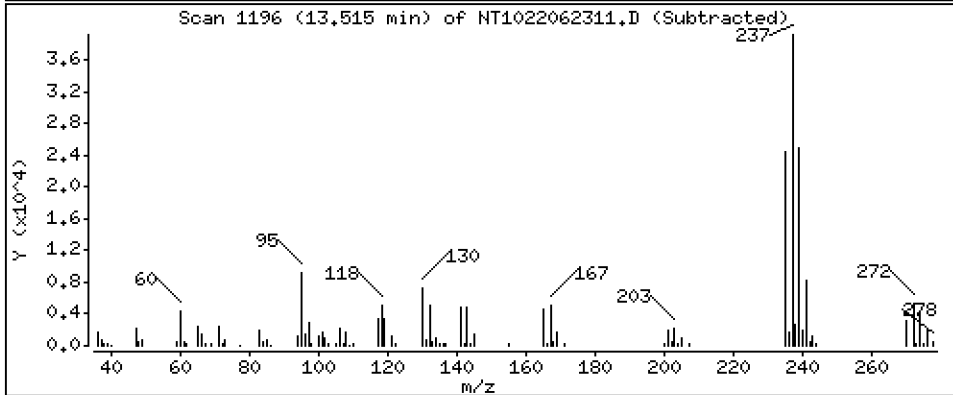
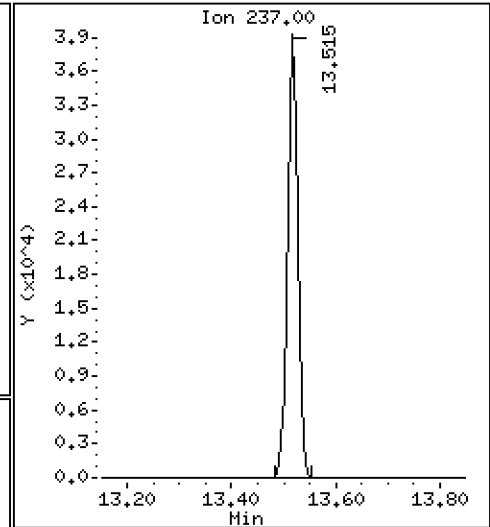
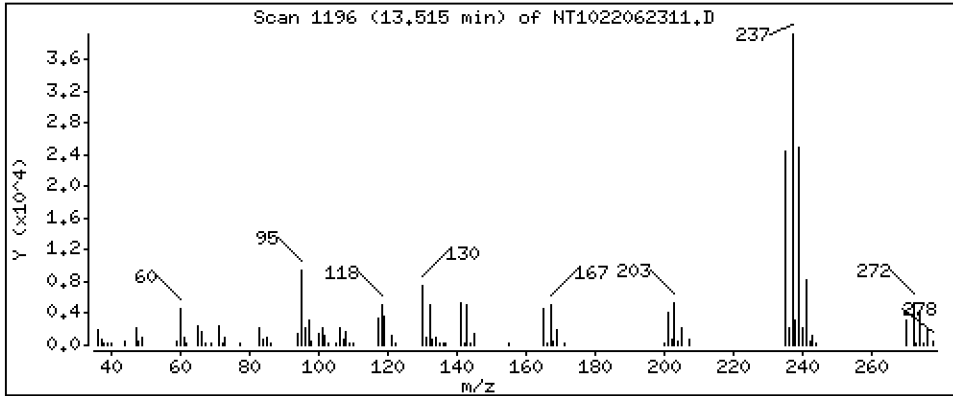
Operator: VTS

Column phase: ZB-5msi

Column diameter: 0,25

33 Hexachlorocyclopentadiene

Concentration: 3,326 ug/mL



Date : 23-JUN-2022 15:20

Client ID:

Instrument: nt10.i

Sample Info: SKF0270-SCV1

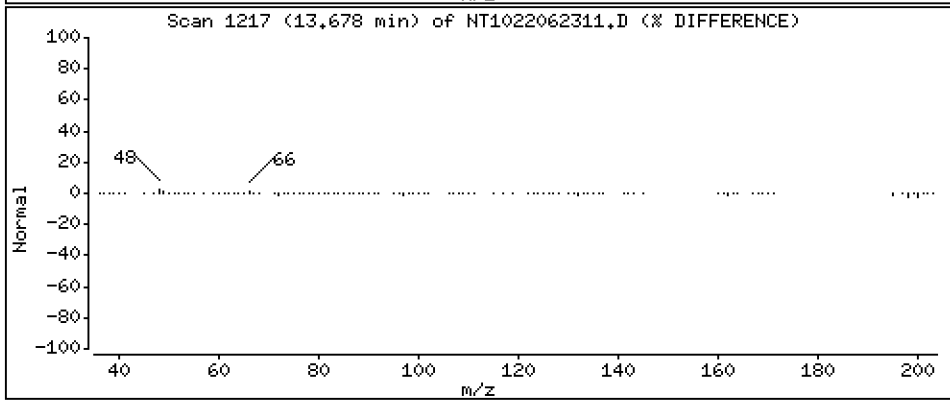
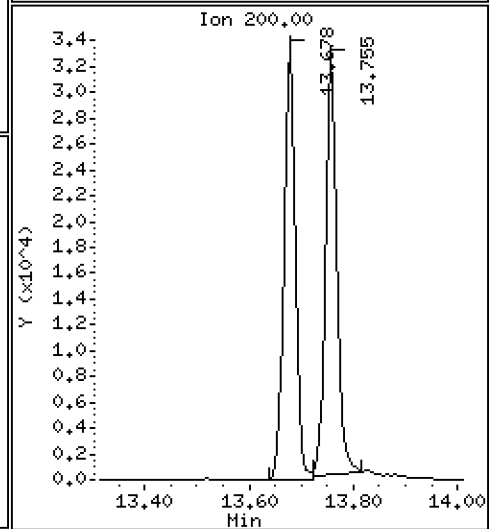
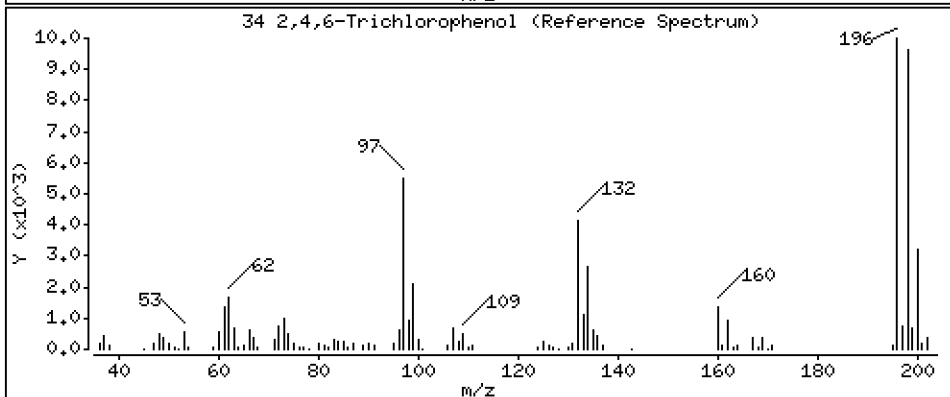
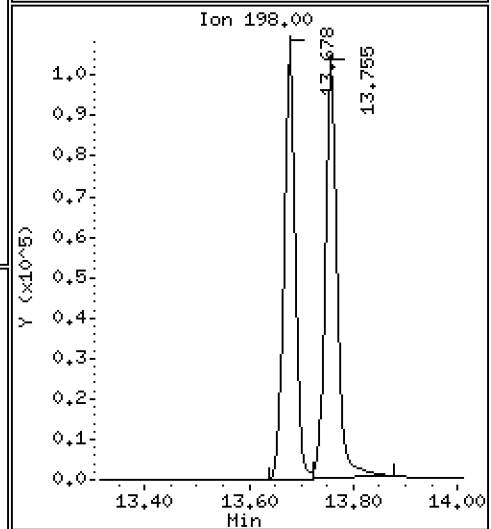
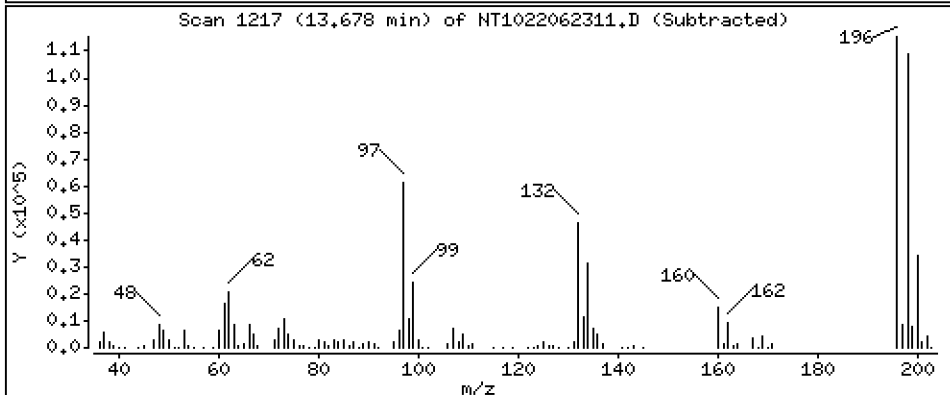
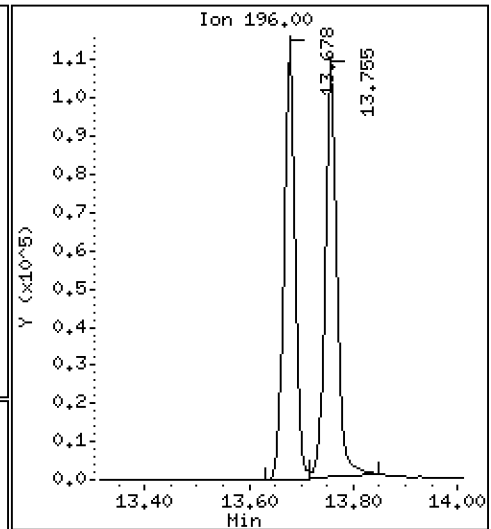
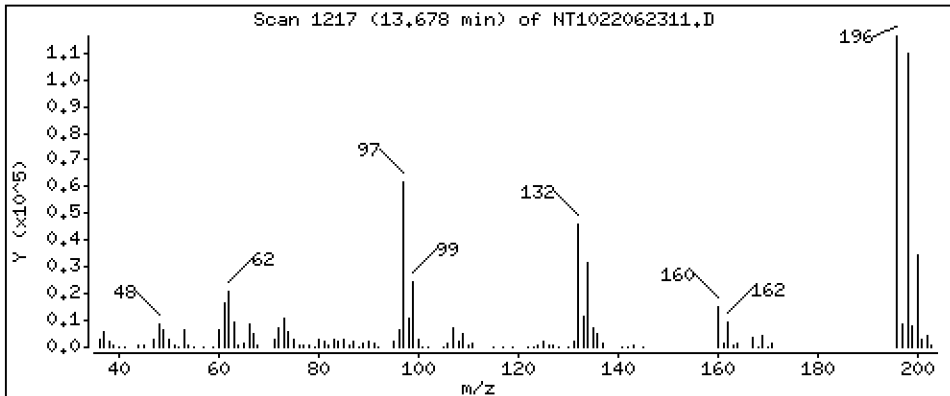
Operator: VTS

Column phase: ZB-5msi

Column diameter: 0,25

34 2,4,6-Trichlorophenol

Concentration: 5,242 ug/mL



Date : 23-JUN-2022 15:20

Client ID:

Instrument: nt10.i

Sample Info: SKF0270-SCV1

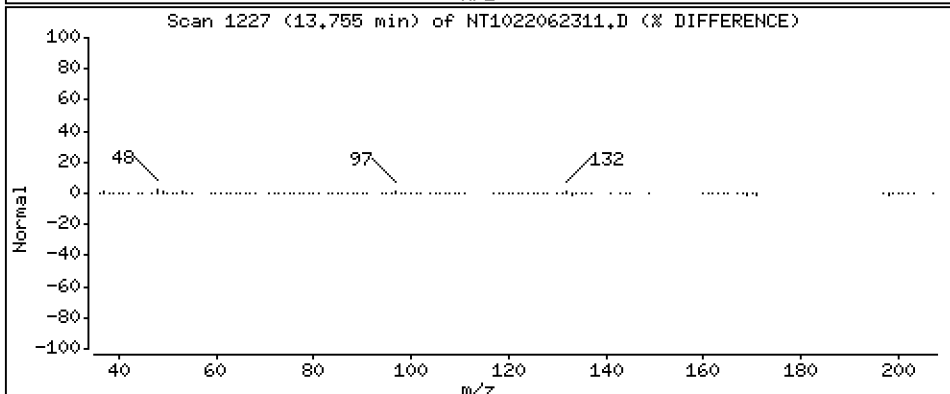
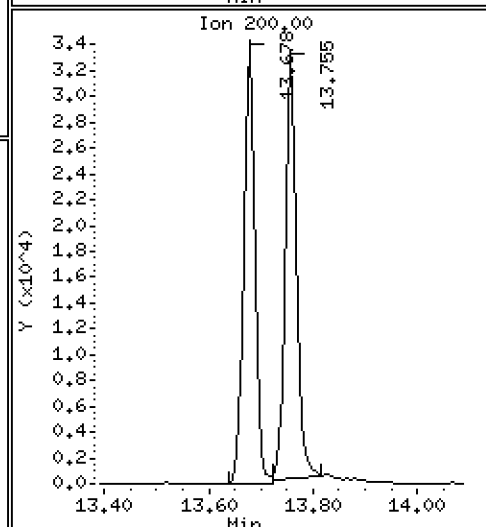
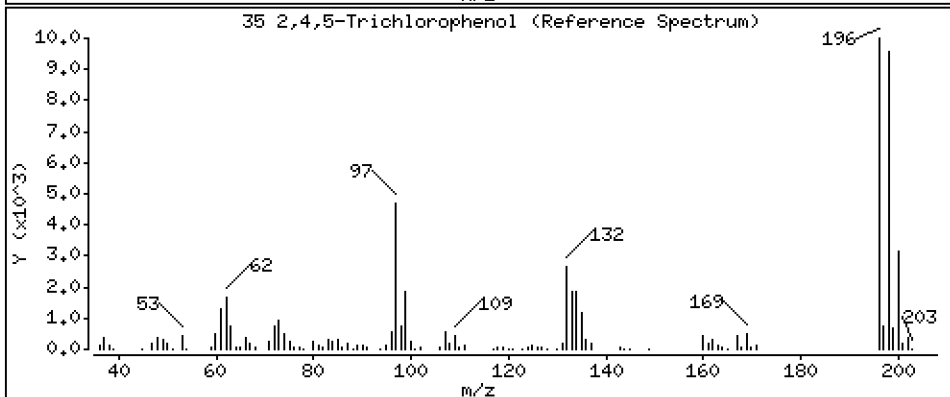
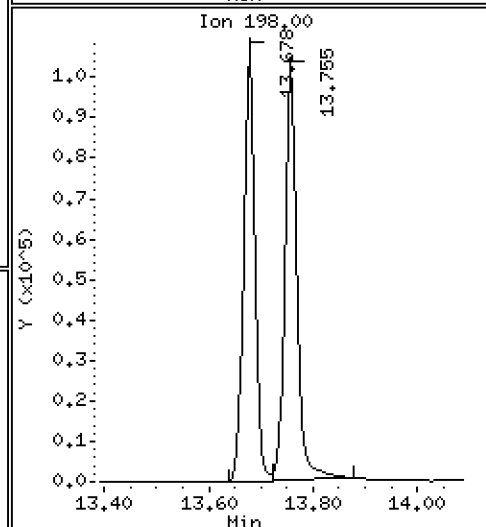
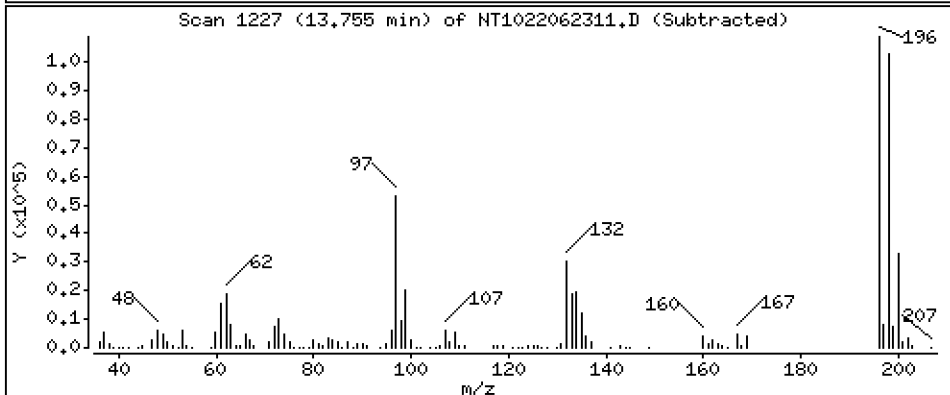
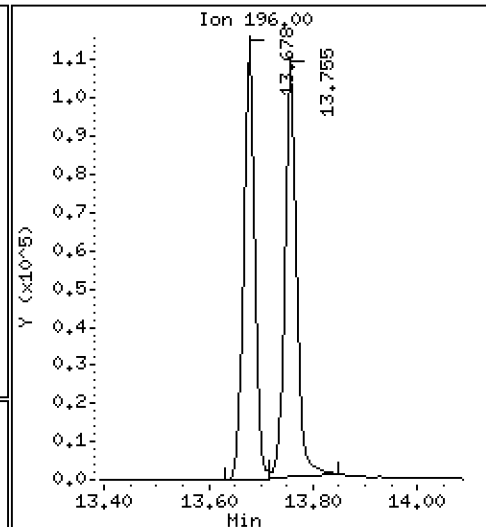
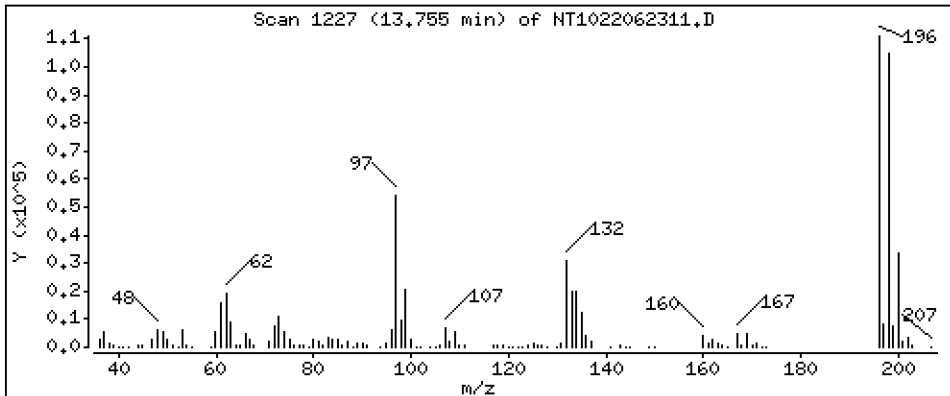
Operator: VTS

Column phase: ZB-5msi

Column diameter: 0,25

35 2,4,5-Trichlorophenol

Concentration: 4,427 ug/mL



Date : 23-JUN-2022 15:20

Client ID:

Instrument: nt10.i

Sample Info: SKF0270-SCV1

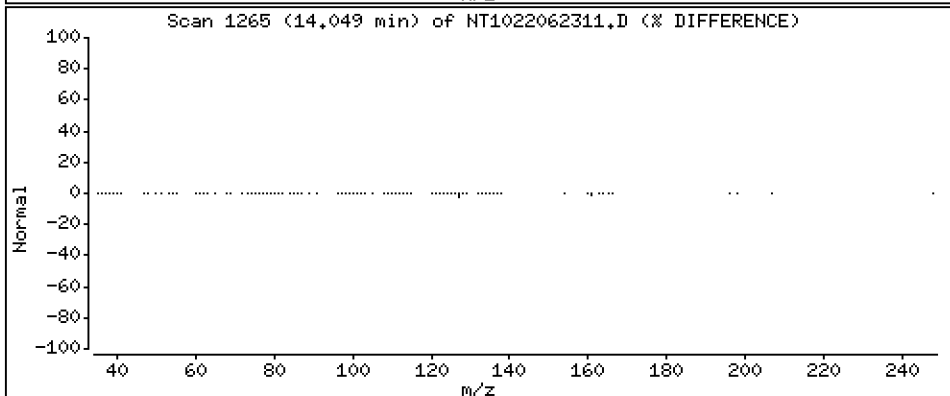
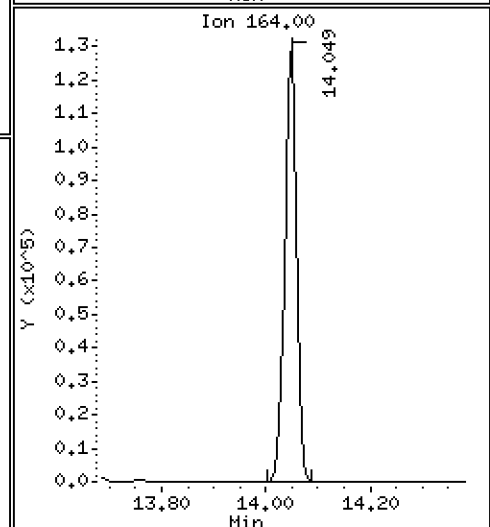
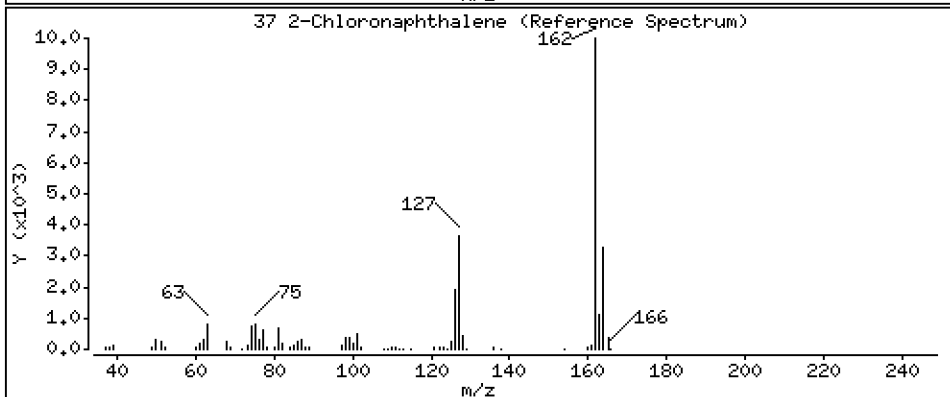
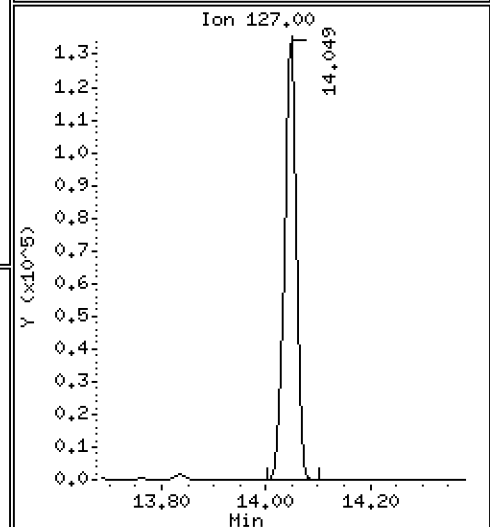
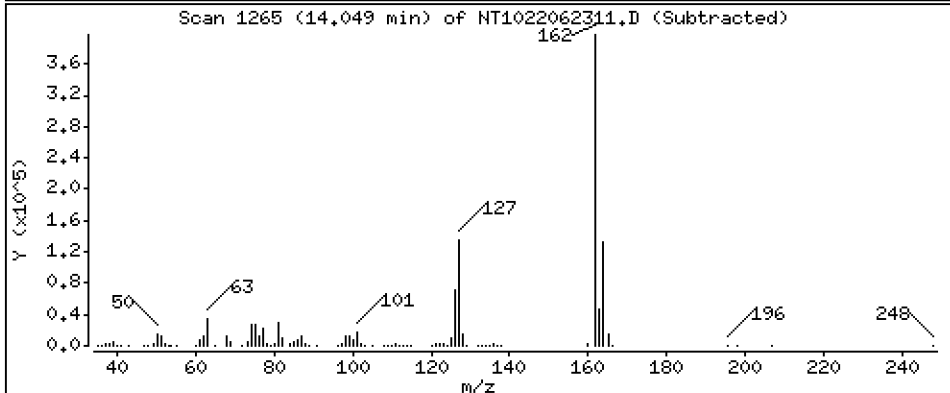
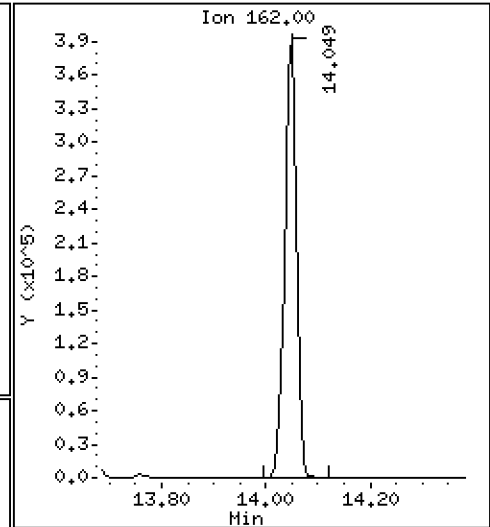
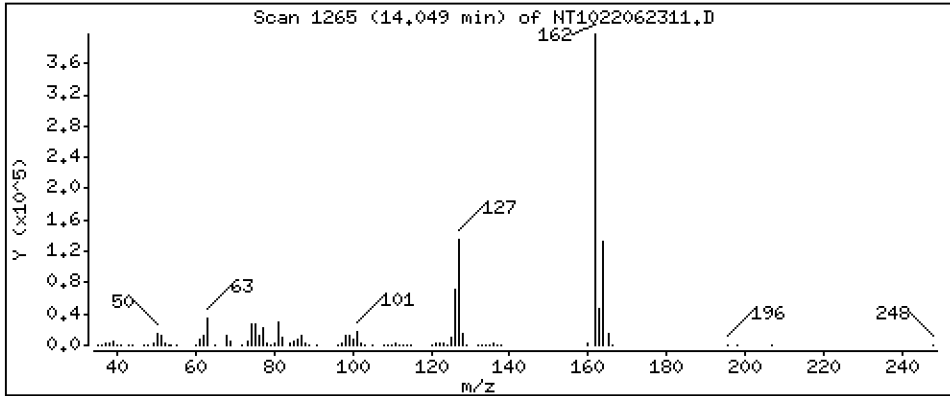
Operator: VTS

Column phase: ZB-5msi

Column diameter: 0,25

37 2-Chloronaphthalene

Concentration: 5,462 ug/mL



Date : 23-JUN-2022 15:20

Client ID:

Instrument: nt10.i

Sample Info: SKF0270-SCV1

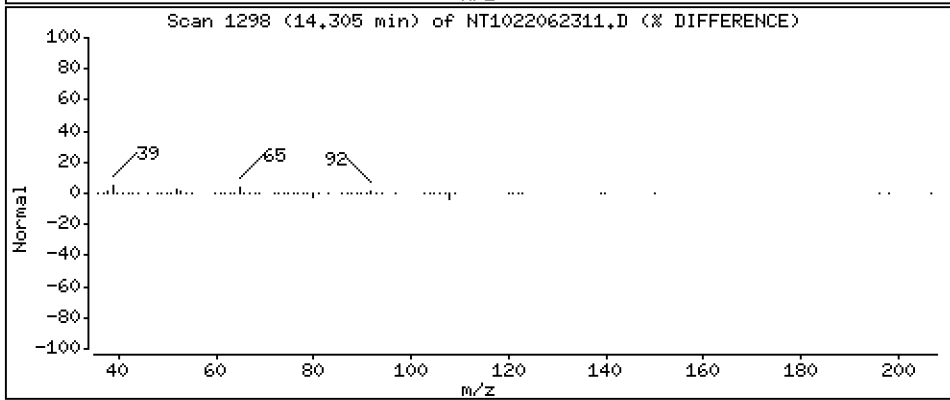
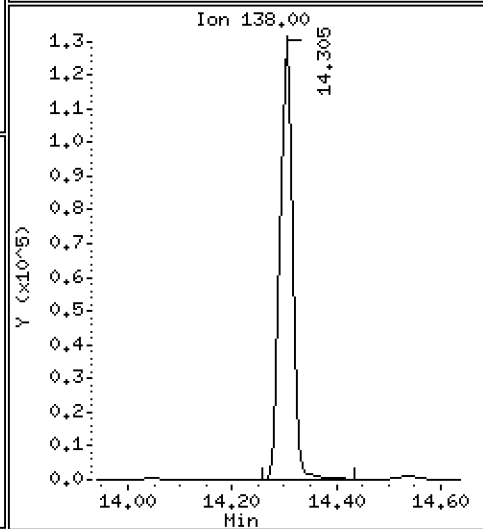
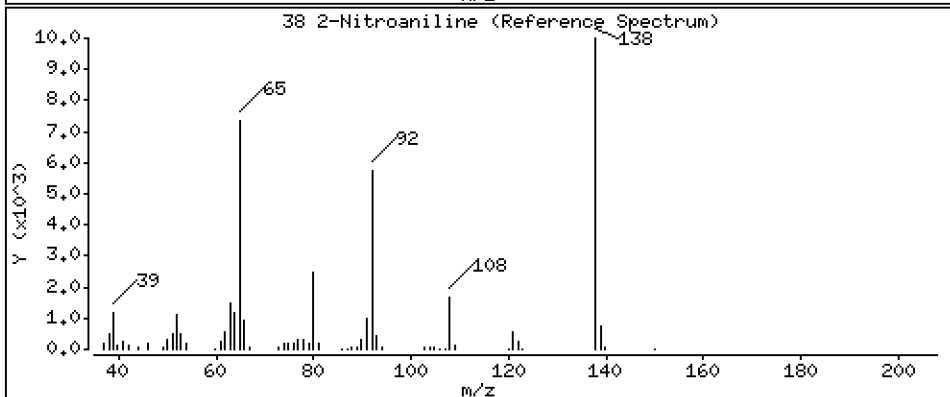
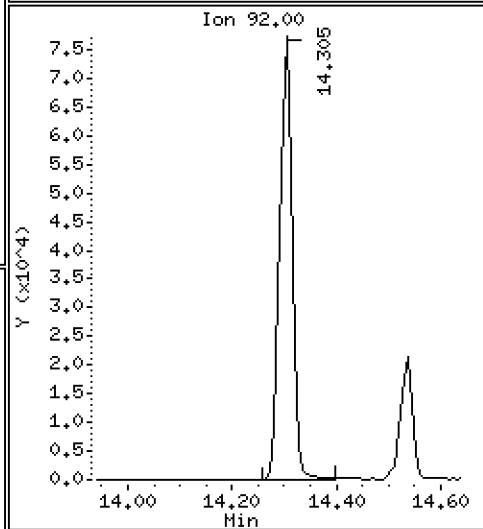
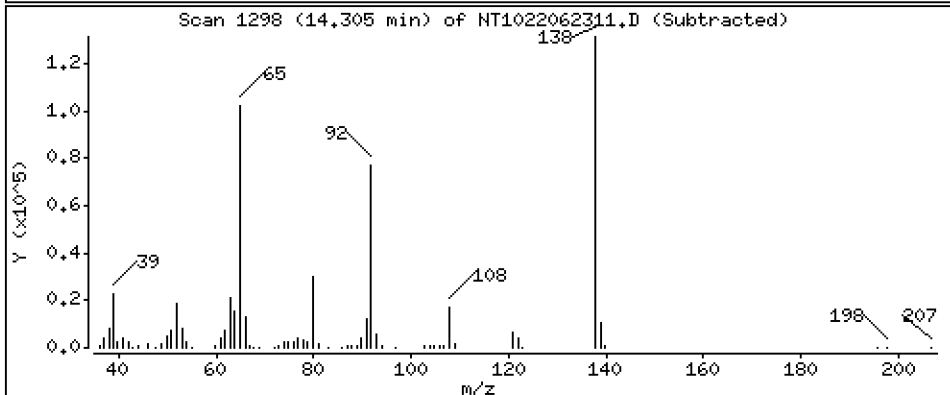
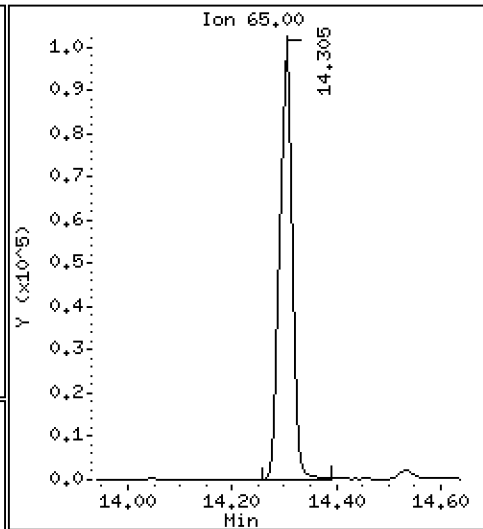
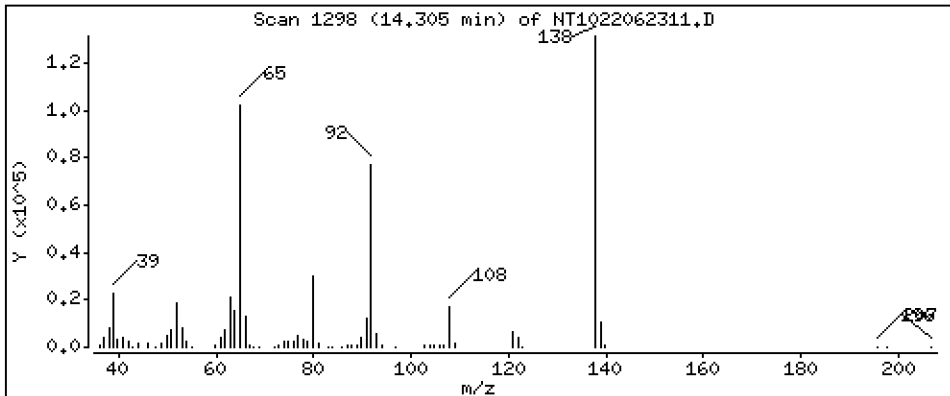
Operator: VTS

Column phase: ZB-5msi

Column diameter: 0,25

38 2-Nitroaniline

Concentration: 5,342 ug/mL



Date : 23-JUN-2022 15:20

Client ID:

Instrument: nt10.i

Sample Info: SKF0270-SCV1

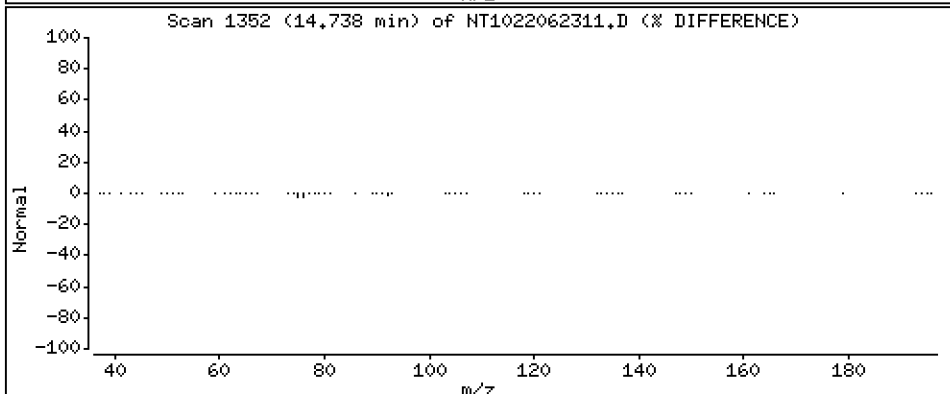
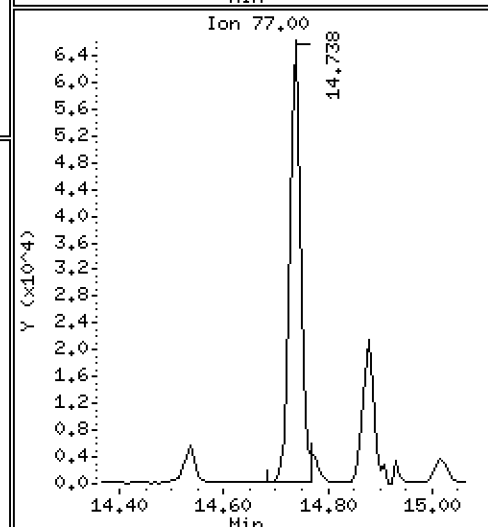
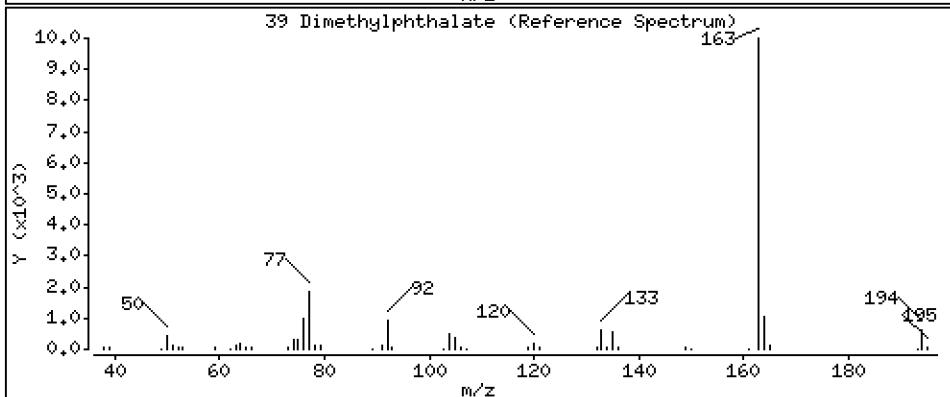
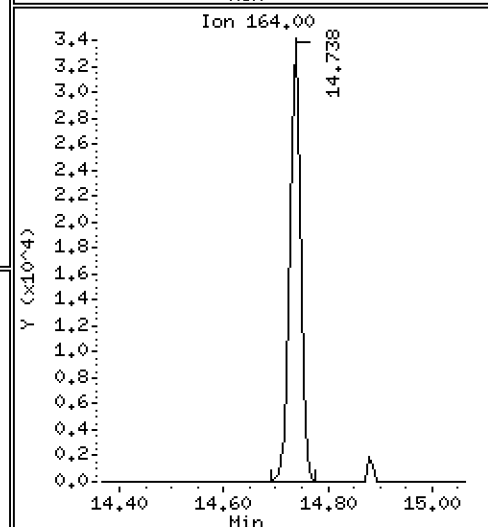
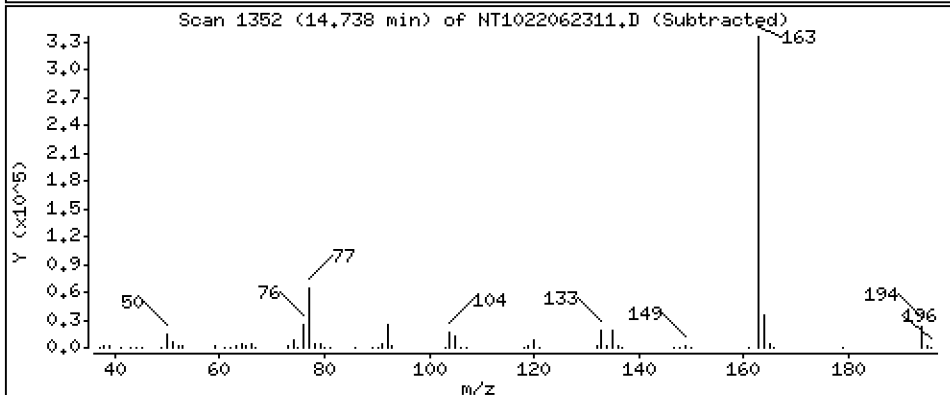
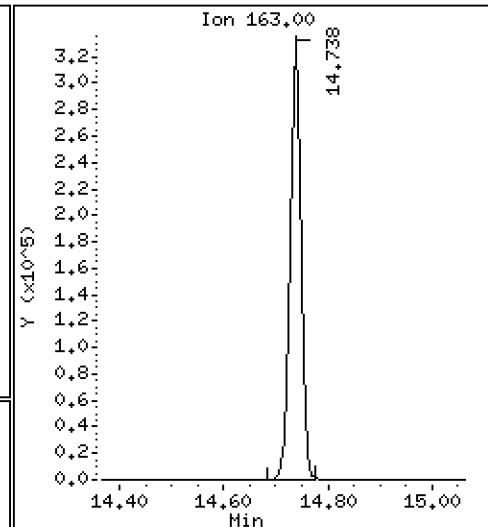
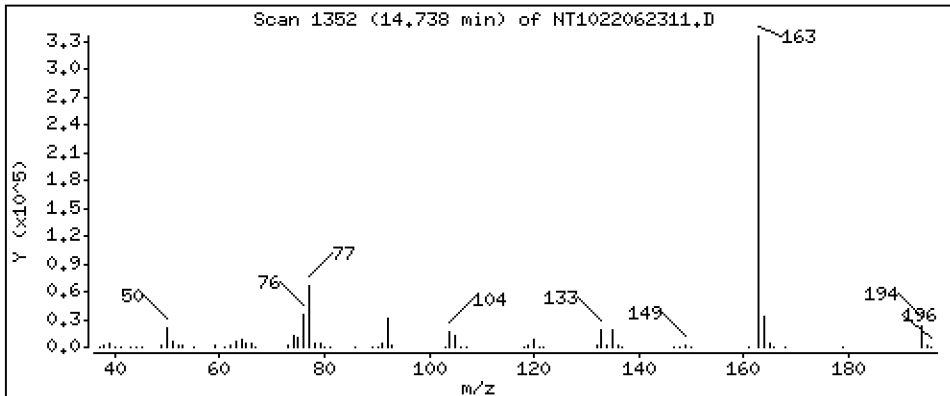
Operator: VTS

Column phase: ZB-5msi

Column diameter: 0,25

39 Dimethylphthalate

Concentration: 4,973 ug/mL



Date : 23-JUN-2022 15:20

Client ID:

Instrument: nt10.i

Sample Info: SKF0270-SCV1

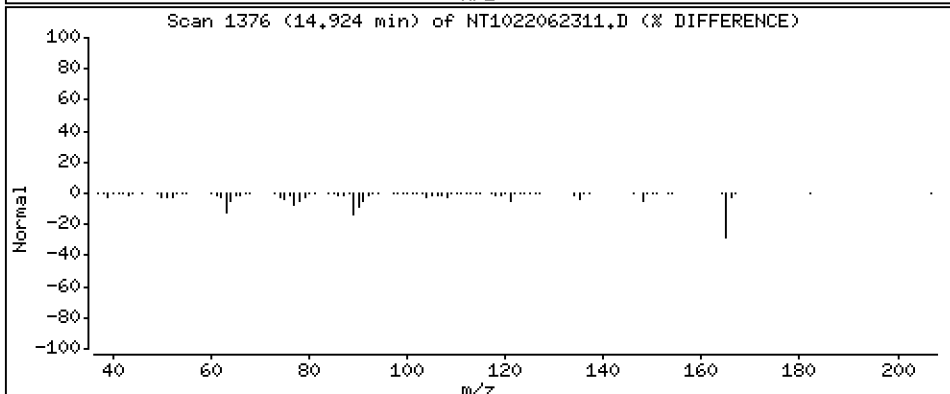
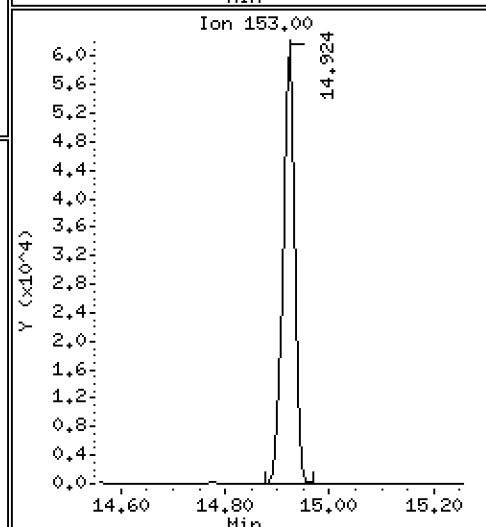
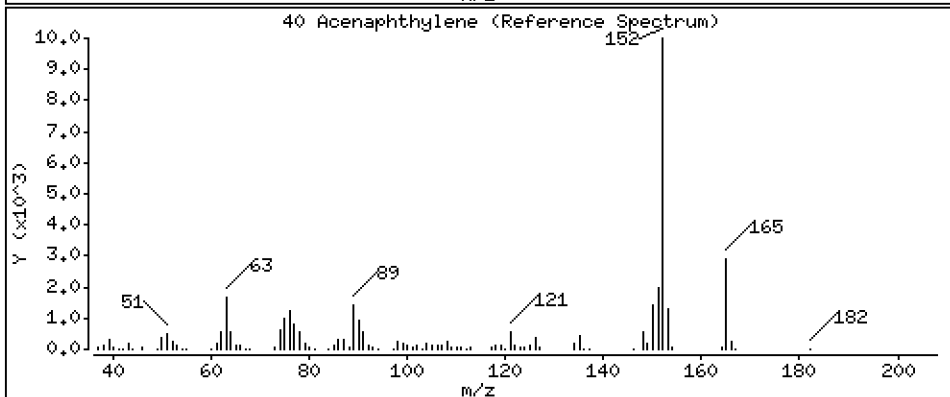
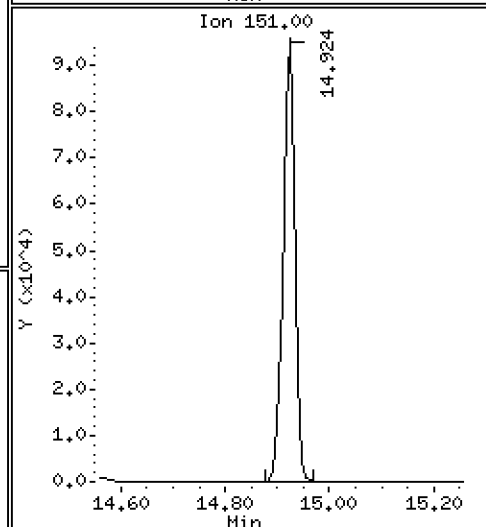
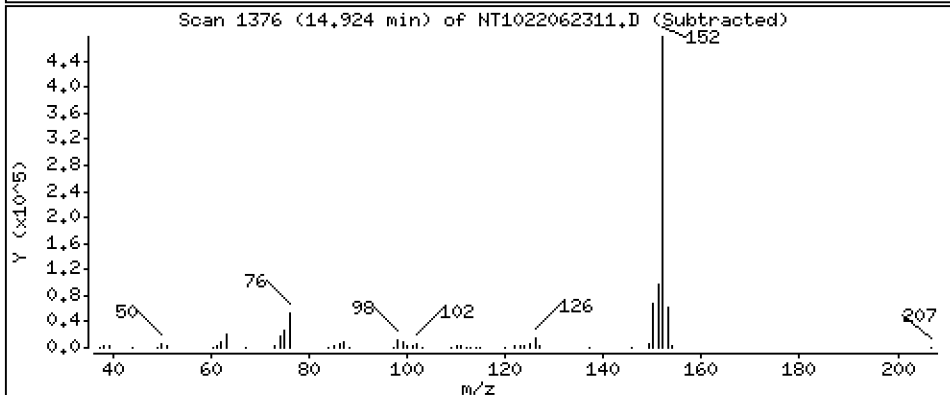
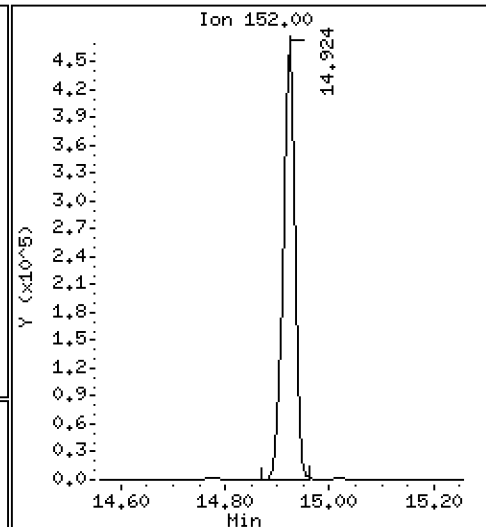
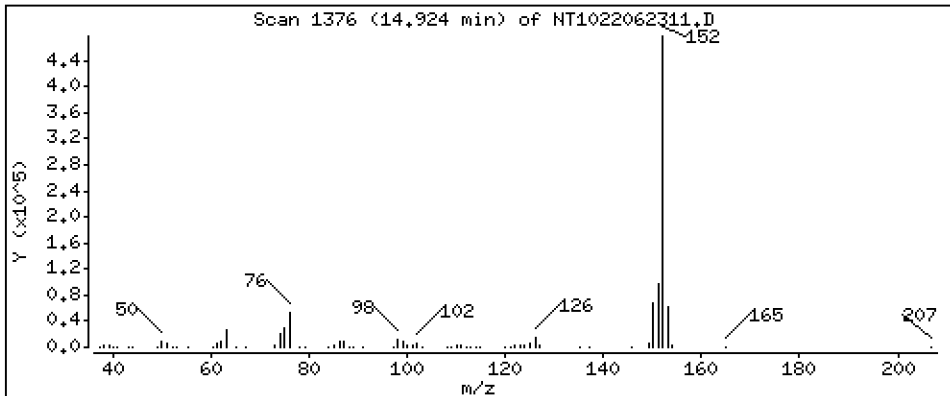
Operator: VTS

Column phase: ZB-5msi

Column diameter: 0,25

40 Acenaphthylene

Concentration: 4,476 ug/mL



Date : 23-JUN-2022 15:20

Client ID:

Instrument: nt10.i

Sample Info: SKF0270-SCV1

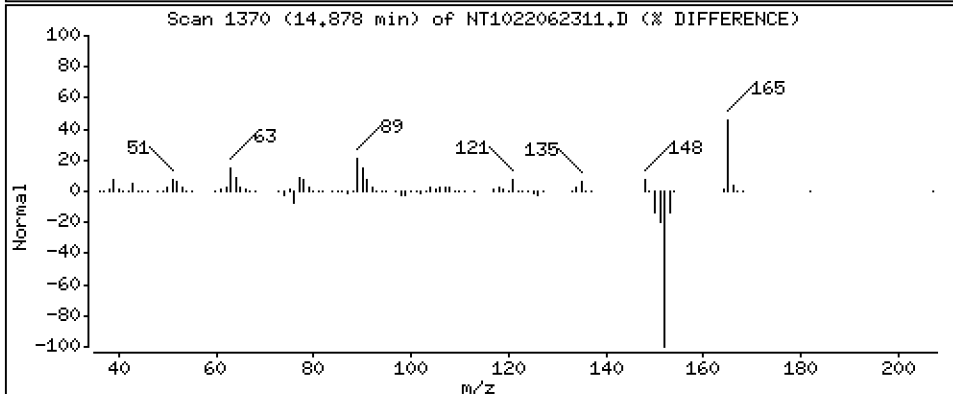
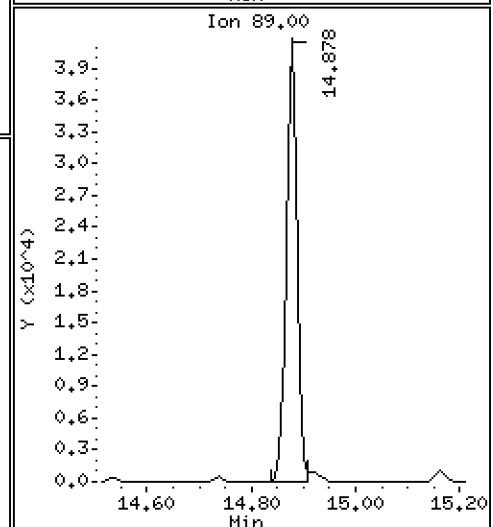
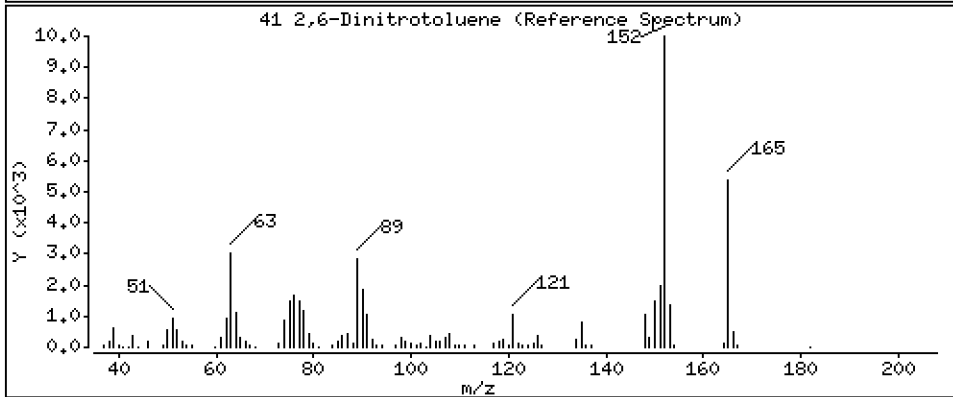
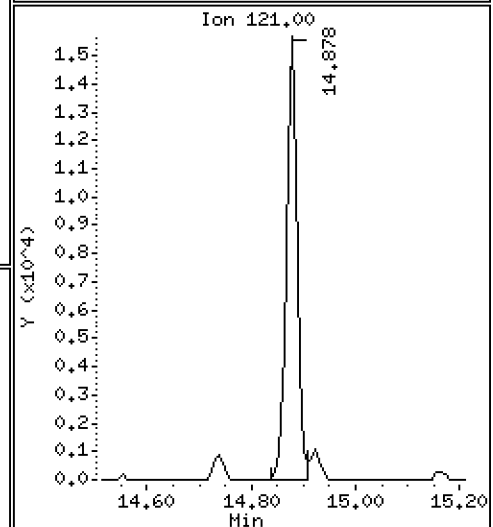
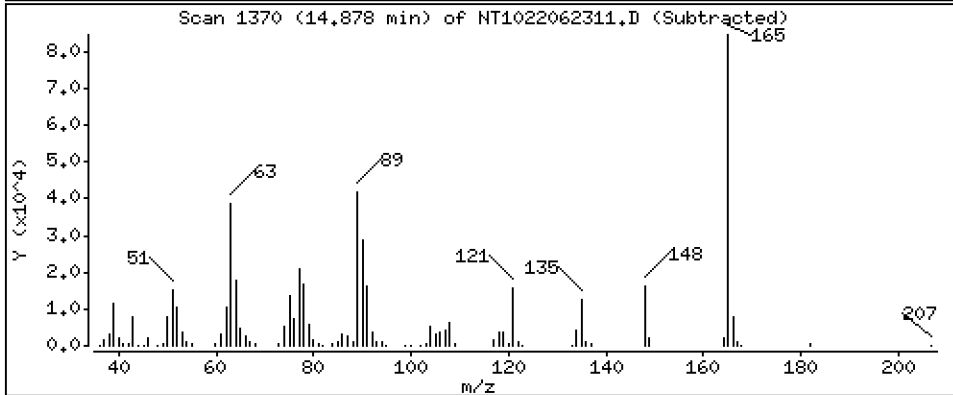
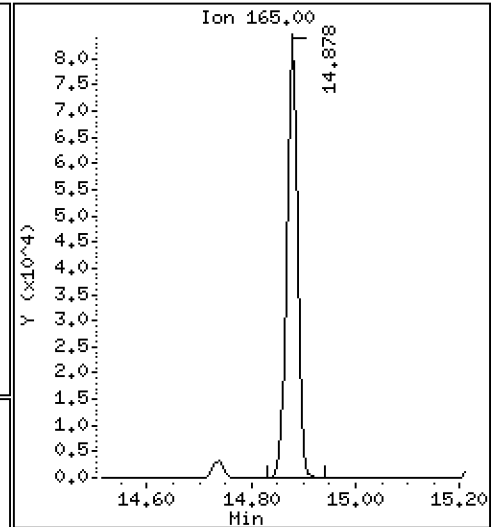
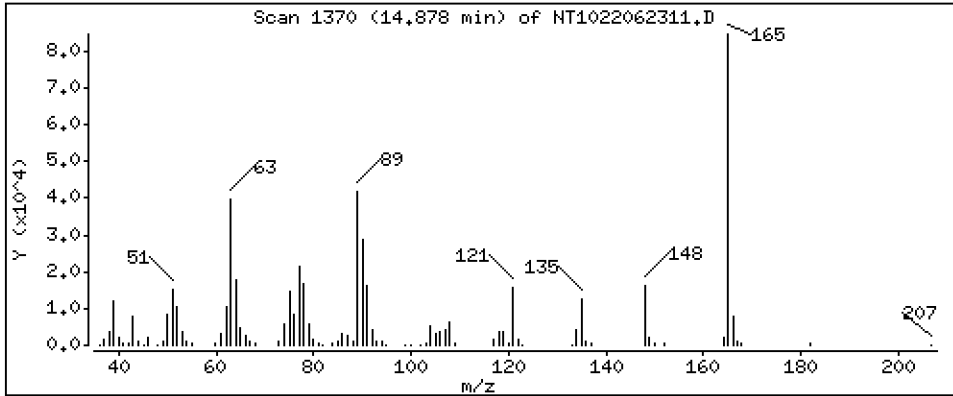
Operator: VTS

Column phase: ZB-5msi

Column diameter: 0,25

41 2,6-Dinitrotoluene

Concentration: 5,256 ug/mL



Date : 23-JUN-2022 15:20

Client ID:

Instrument: nt10.i

Sample Info: SKF0270-SCV1

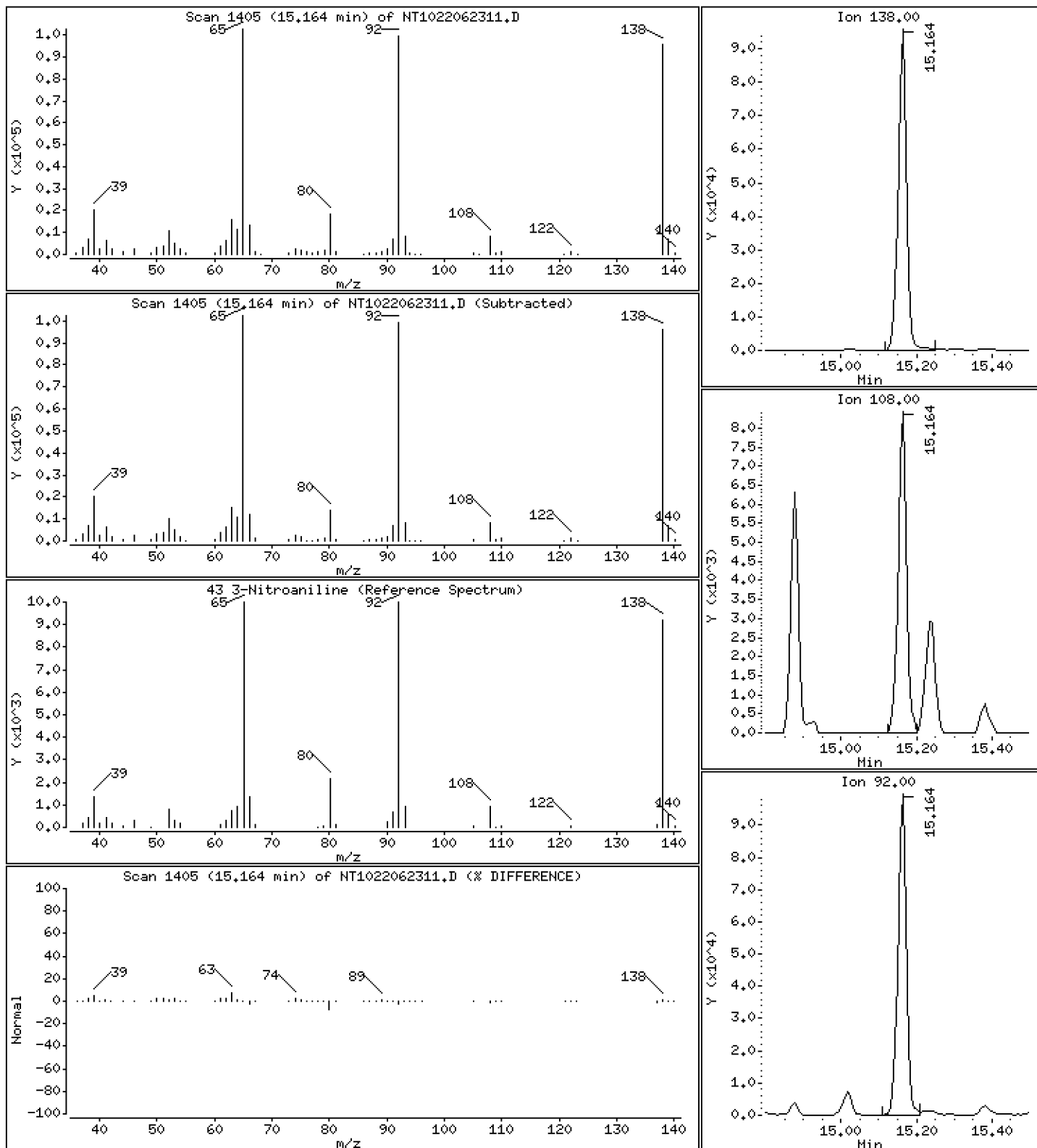
Operator: VTS

Column phase: ZB-5msi

Column diameter: 0,25

43 3-Nitroaniline

Concentration: 5,379 ug/mL



Date : 23-JUN-2022 15:20

Client ID:

Instrument: nt10.i

Sample Info: SKF0270-SCV1

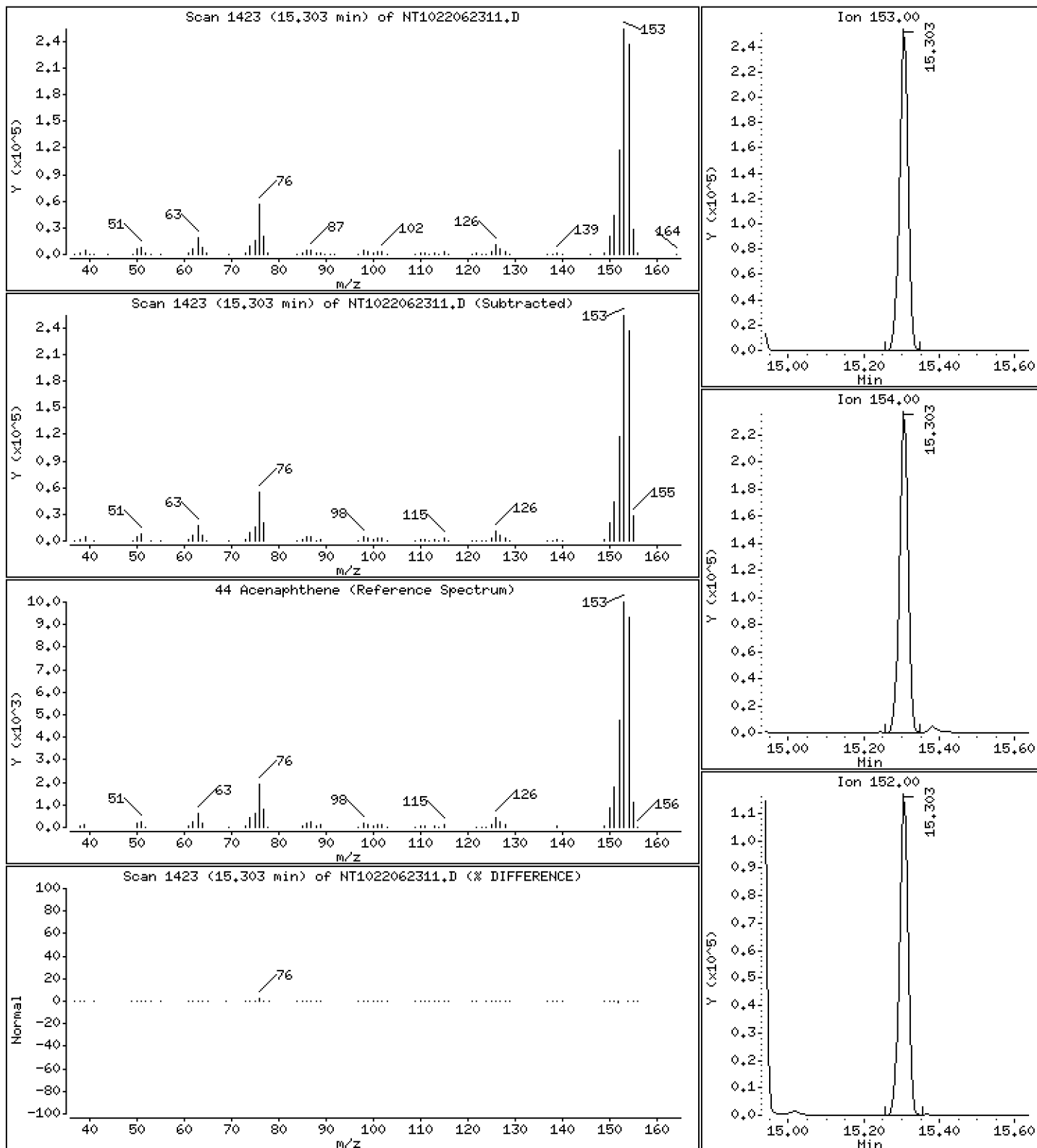
Operator: VTS

Column phase: ZB-5msi

Column diameter: 0,25

44 Acenaphthene

Concentration: 4,939 ug/mL



Date : 23-JUN-2022 15:20

Client ID:

Instrument: nt10.i

Sample Info: SKF0270-SCV1

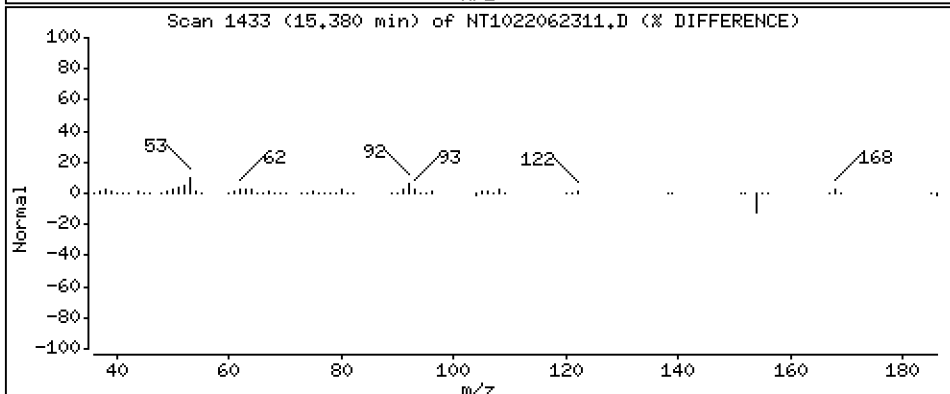
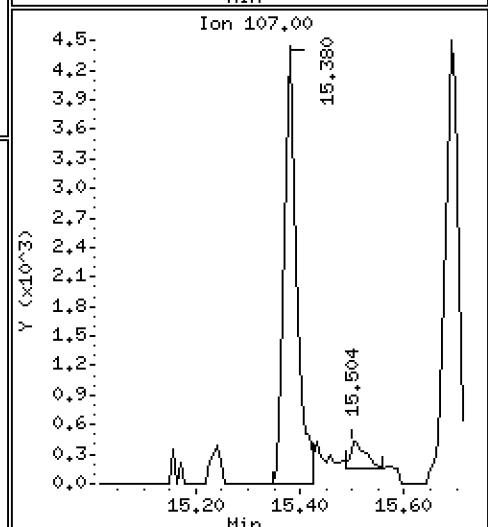
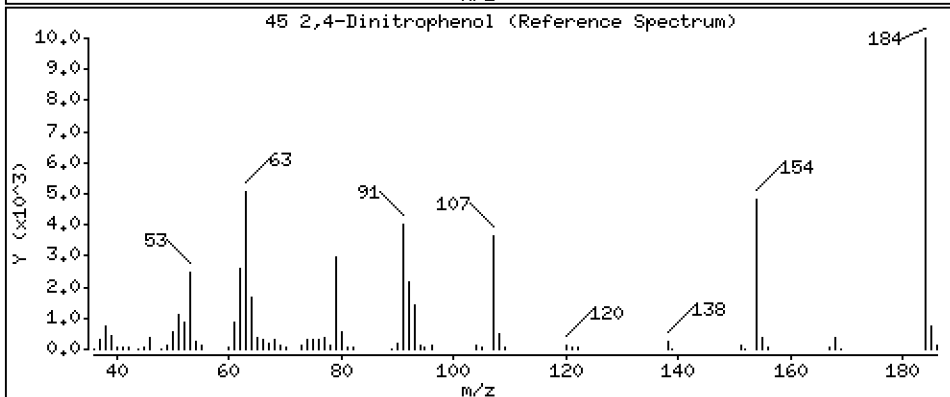
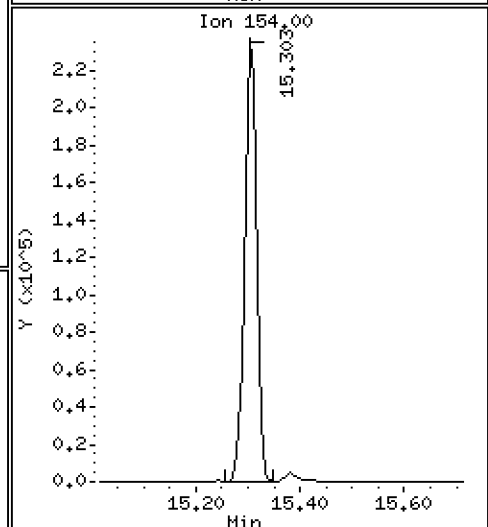
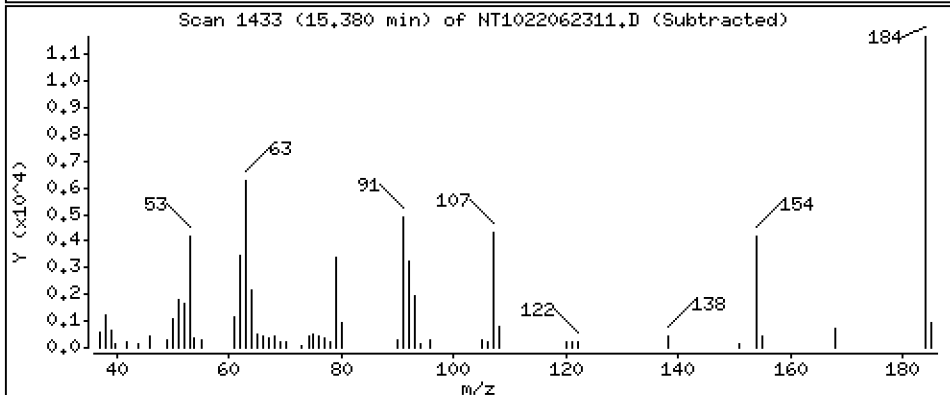
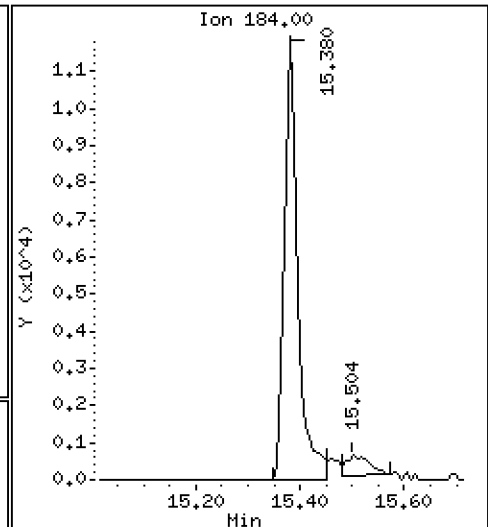
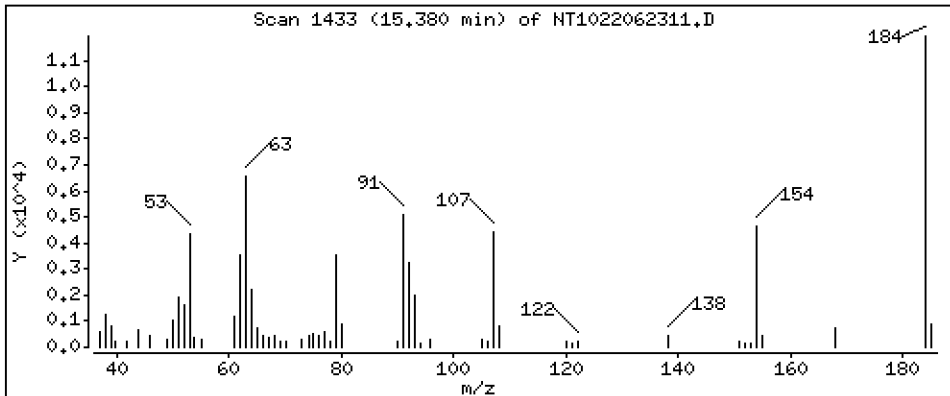
Operator: VTS

Column phase: ZB-5msi

Column diameter: 0,25

45 2,4-Dinitrophenol

Concentration: 2,023 ug/mL



Date : 23-JUN-2022 15:20

Client ID:

Instrument: nt10.i

Sample Info: SKF0270-SCV1

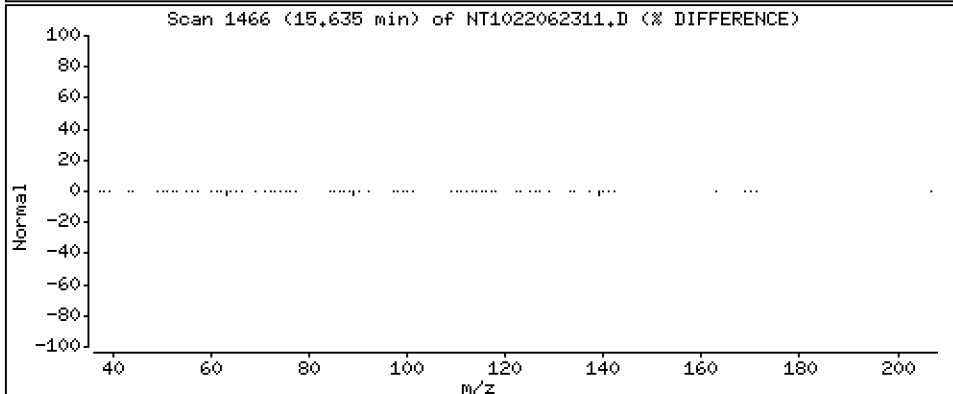
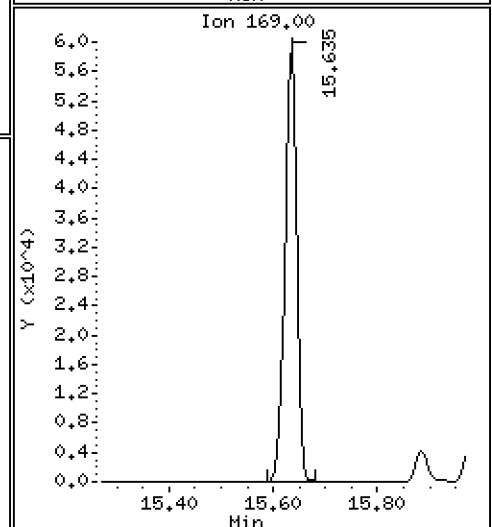
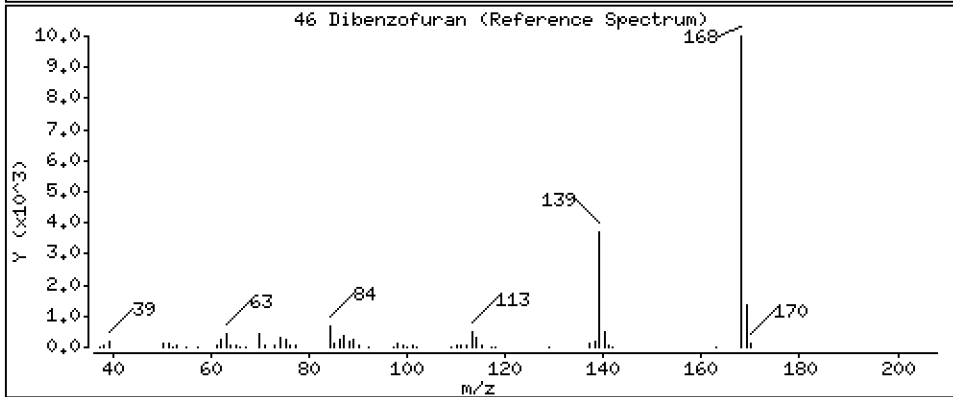
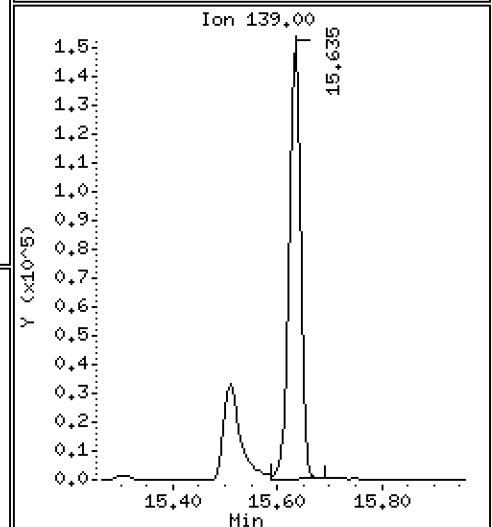
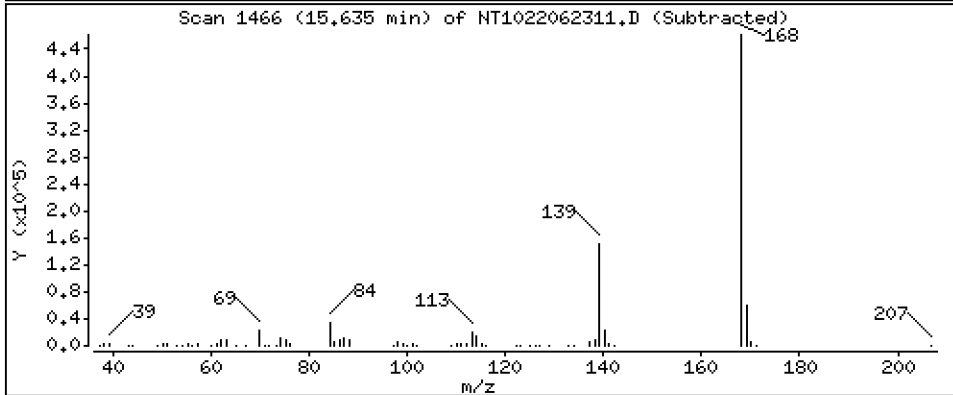
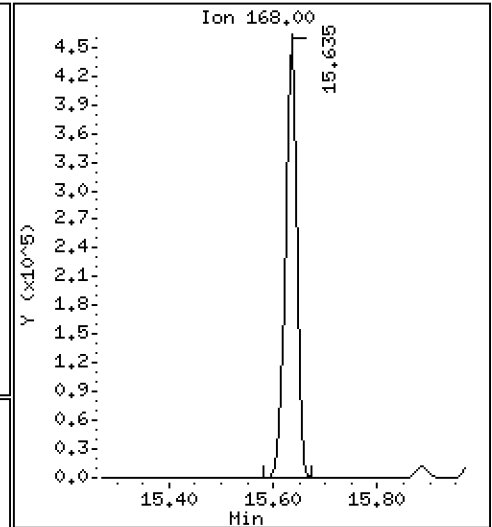
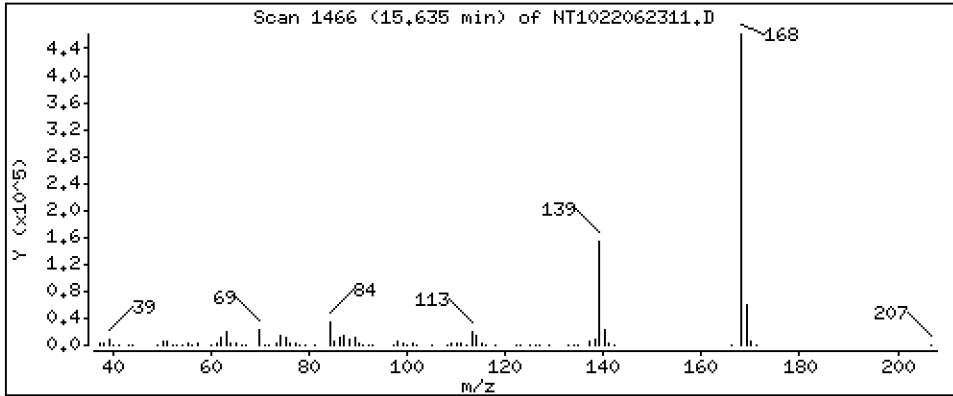
Operator: VTS

Column phase: ZB-5msi

Column diameter: 0,25

46 Dibenzofuran

Concentration: 5,340 ug/mL



Date : 23-JUN-2022 15:20

Client ID:

Instrument: nt10.i

Sample Info: SKF0270-SCV1

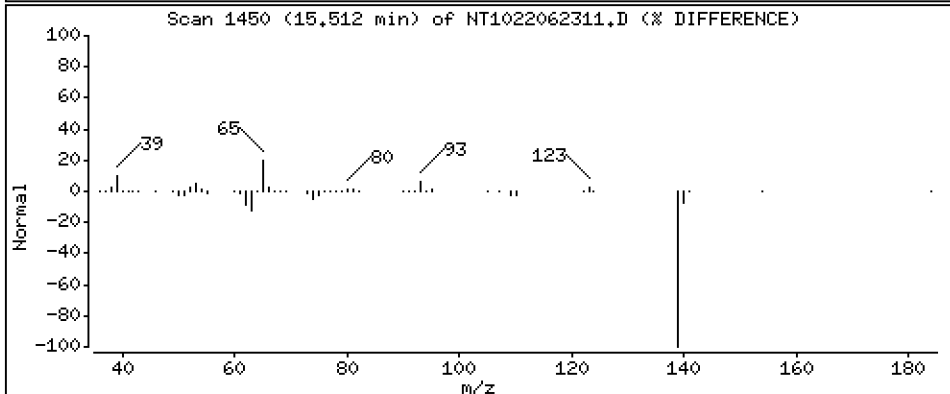
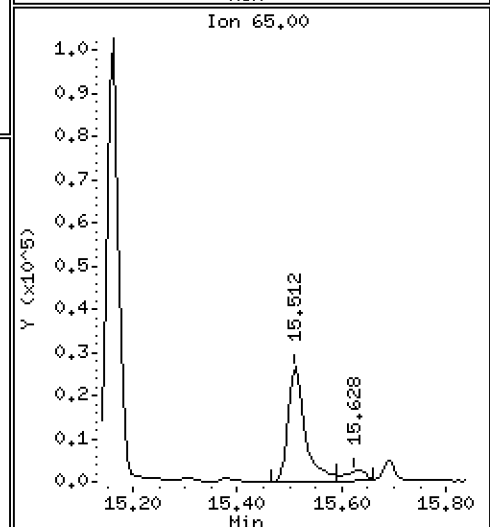
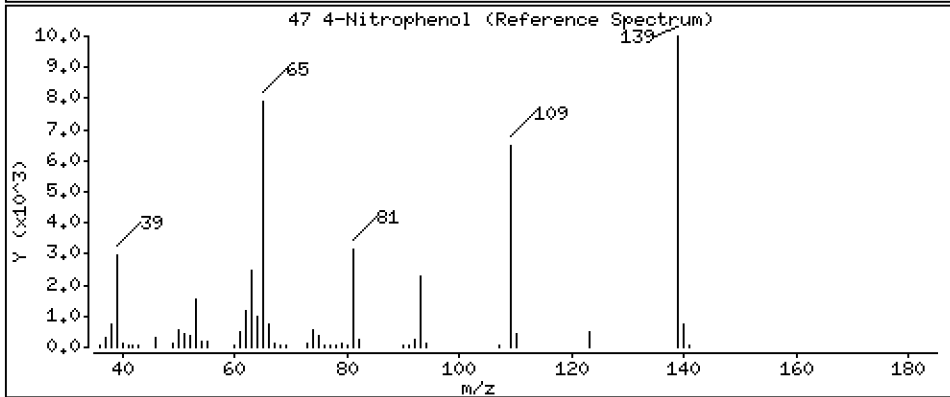
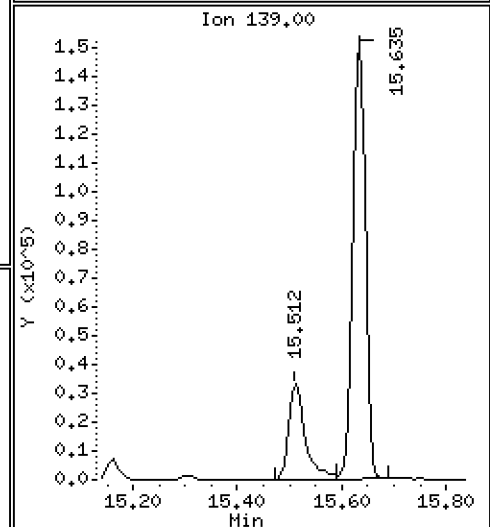
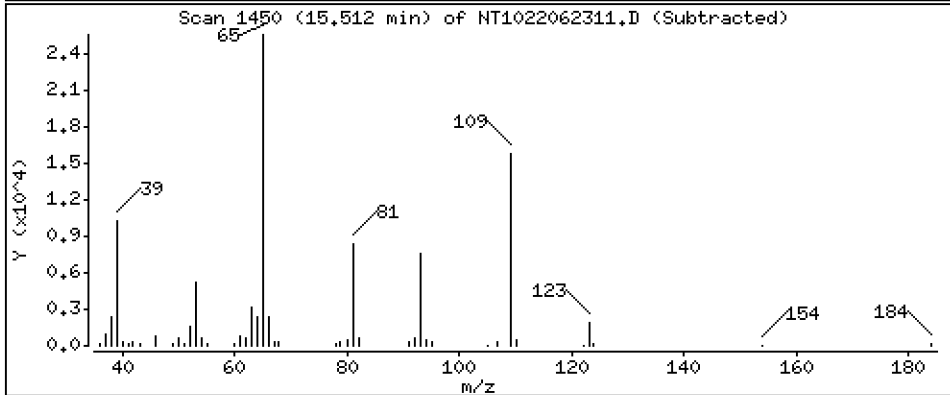
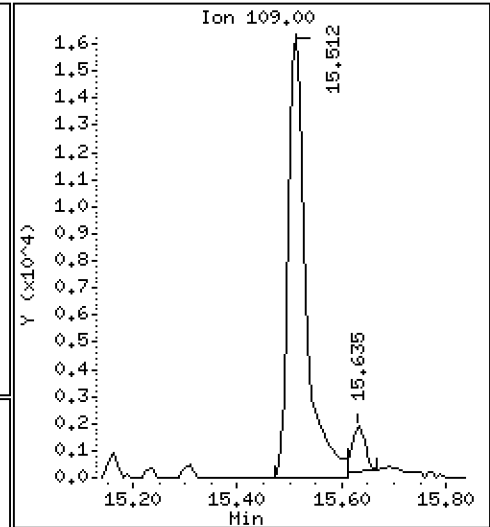
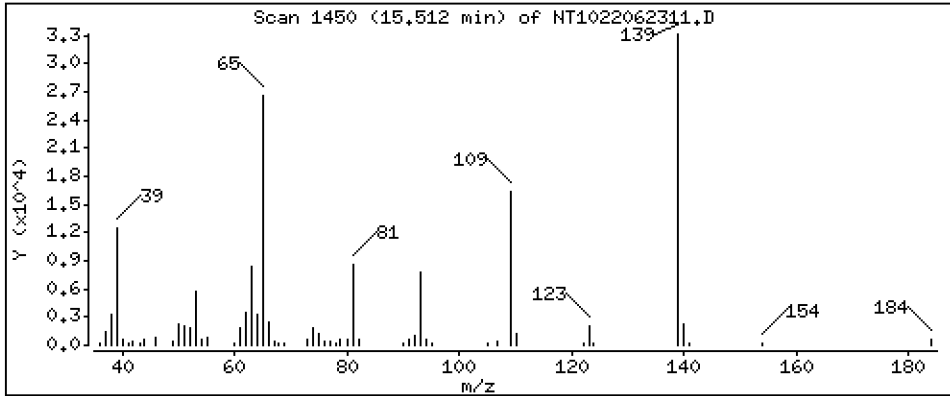
Operator: VTS

Column phase: ZB-5msi

Column diameter: 0,25

47 4-Nitrophenol

Concentration: 4,435 ug/mL



Date : 23-JUN-2022 15:20

Client ID:

Instrument: nt10.i

Sample Info: SKF0270-SCV1

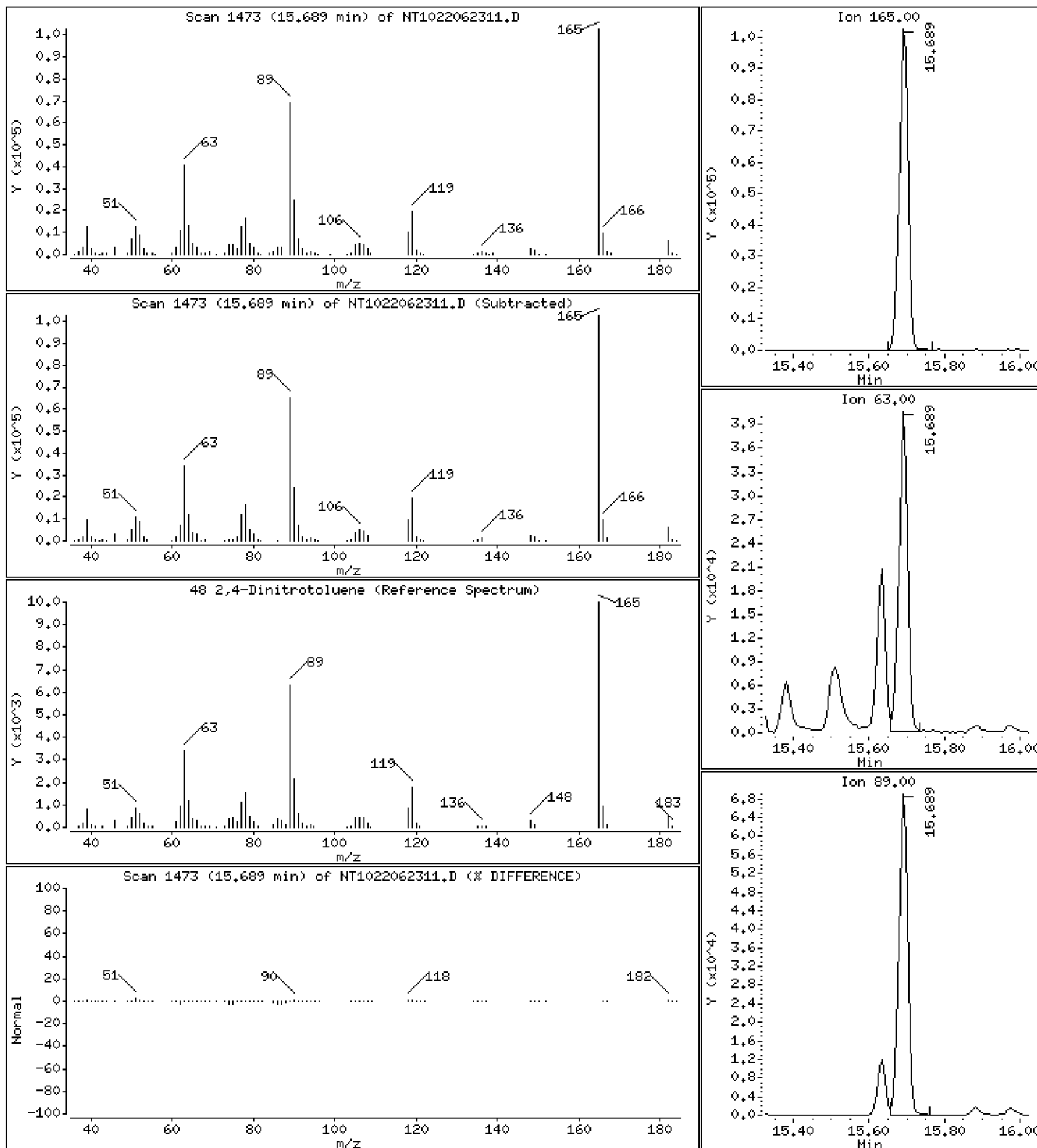
Operator: VTS

Column phase: ZB-5msi

Column diameter: 0,25

48 2,4-Dinitrotoluene

Concentration: 5,308 ug/mL



Date : 23-JUN-2022 15:20

Client ID:

Instrument: nt10.i

Sample Info: SKF0270-SCV1

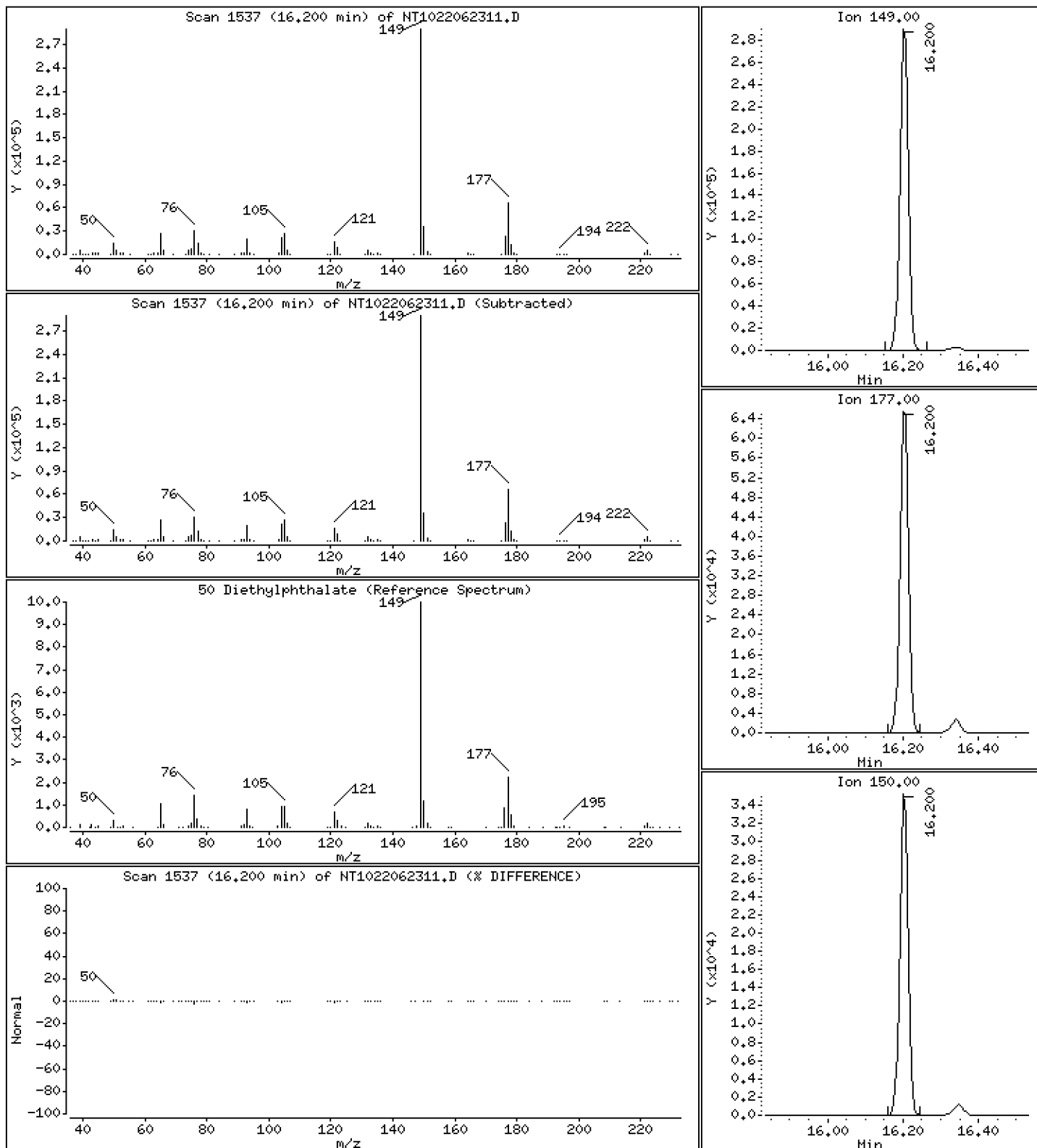
Operator: VTS

Column phase: ZB-5msi

Column diameter: 0,25

50 Diethylphthalate

Concentration: 5,372 ug/mL



Date : 23-JUN-2022 15:20

Client ID:

Instrument: nt10.i

Sample Info: SKF0270-SCV1

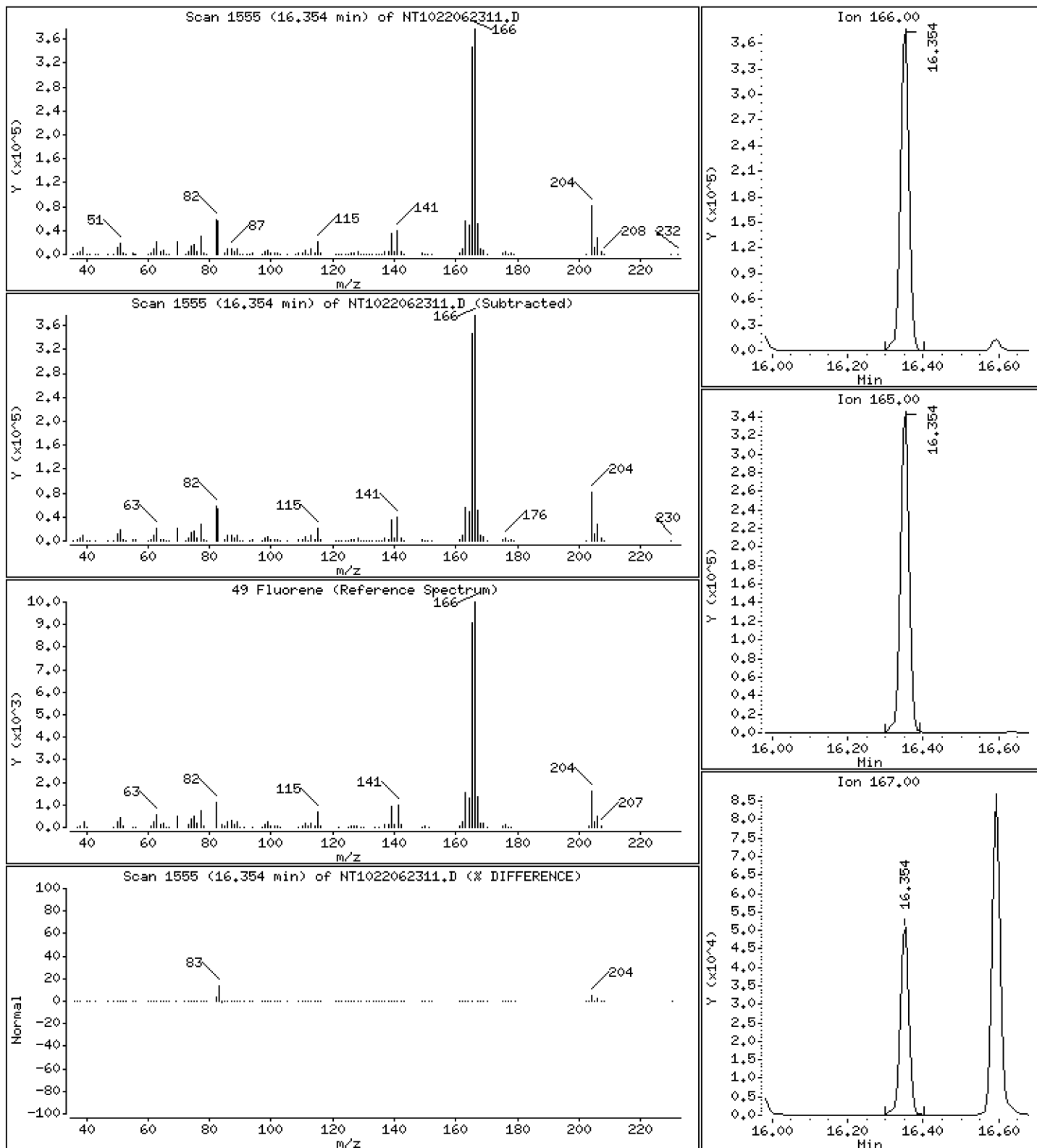
Operator: VTS

Column phase: ZB-5msi

Column diameter: 0,25

49 Fluorene

Concentration: 4,594 ug/mL



Date : 23-JUN-2022 15:20

Client ID:

Instrument: nt10.i

Sample Info: SKF0270-SCV1

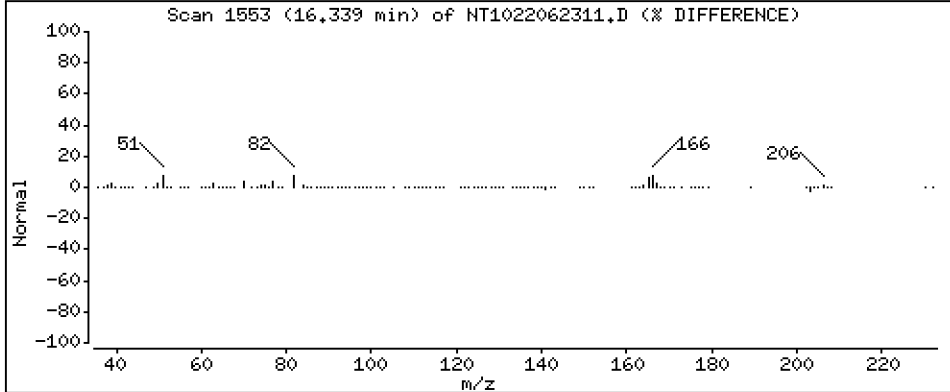
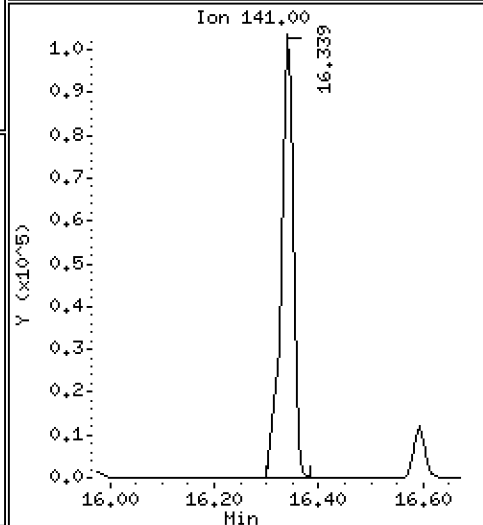
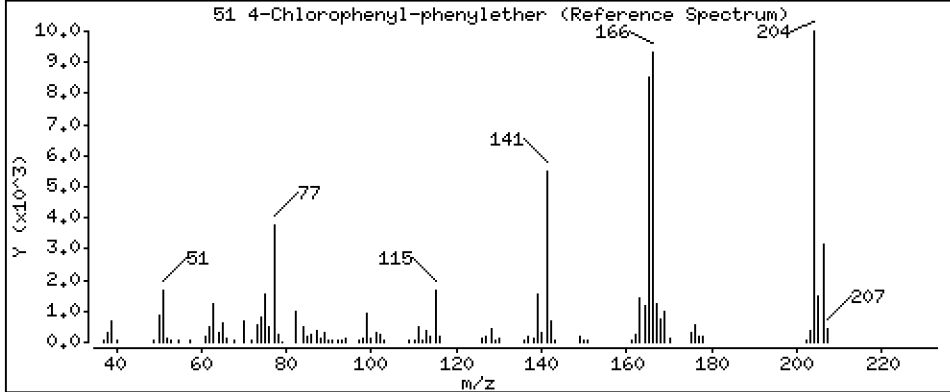
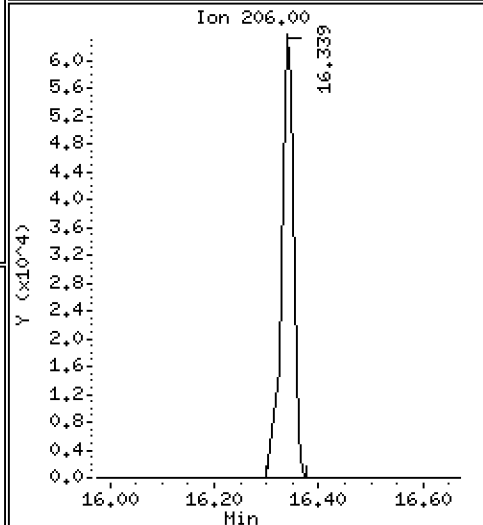
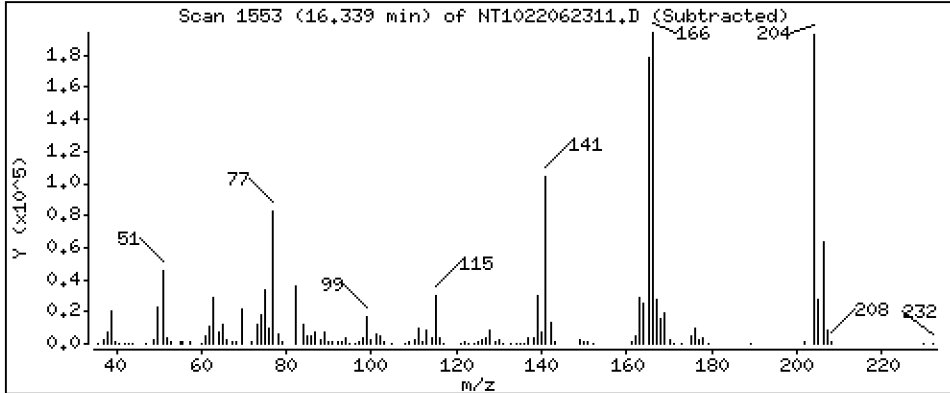
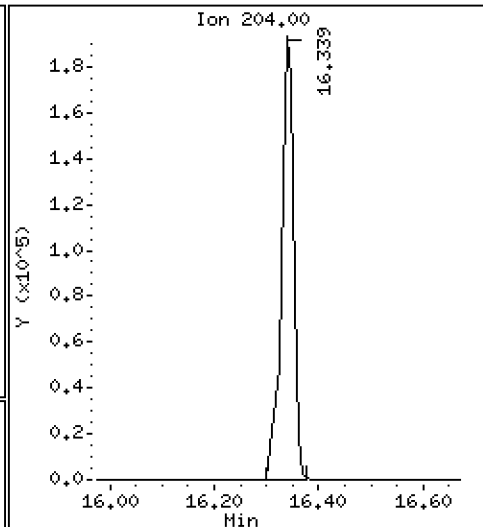
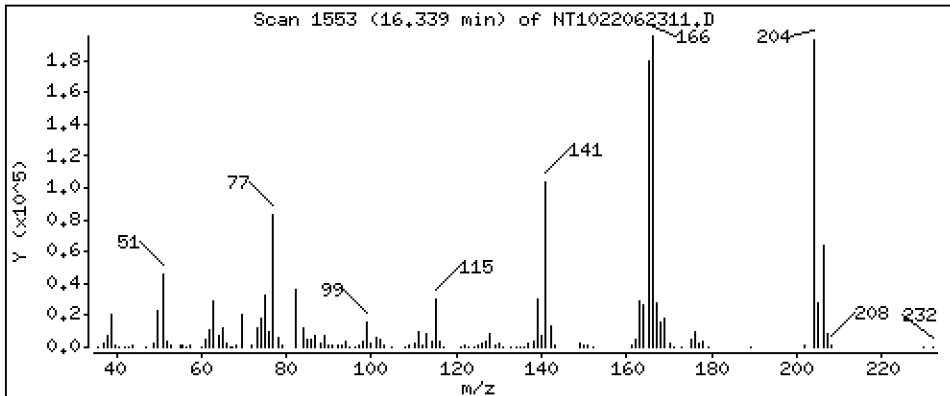
Operator: VTS

Column phase: ZB-5msi

Column diameter: 0,25

51 4-Chlorophenyl-phenylether

Concentration: 5,407 ug/mL



Date : 23-JUN-2022 15:20

Client ID:

Instrument: nt10.i

Sample Info: SKF0270-SCV1

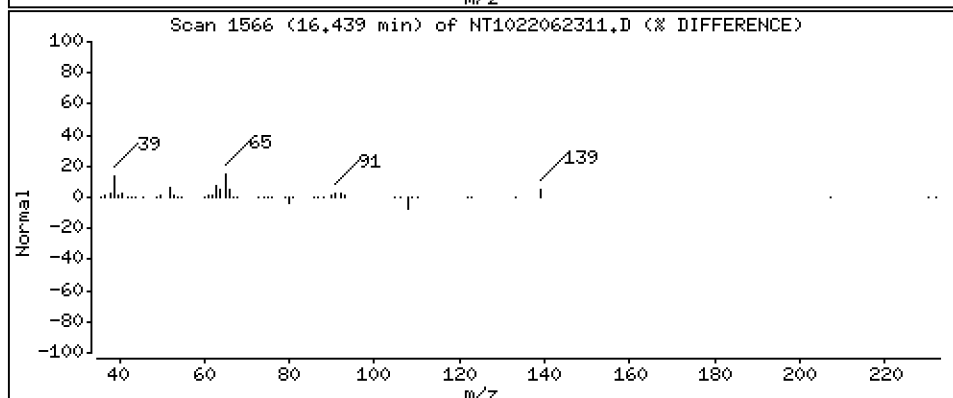
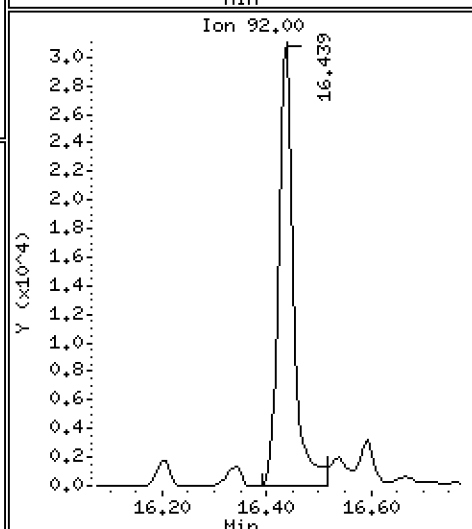
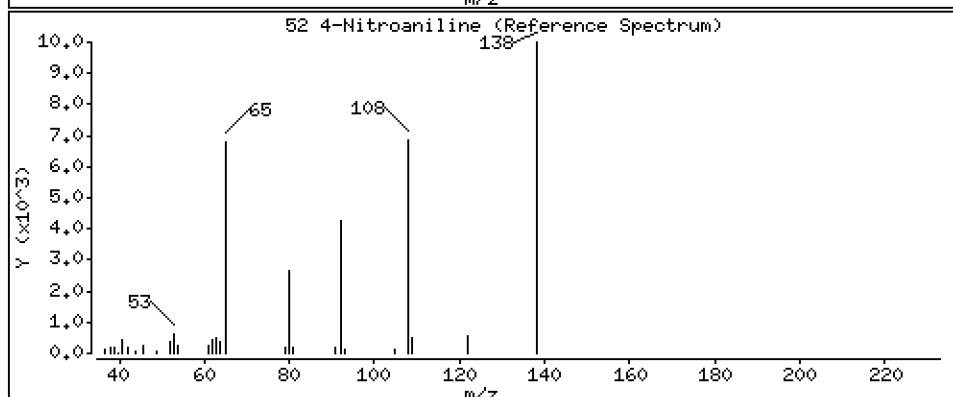
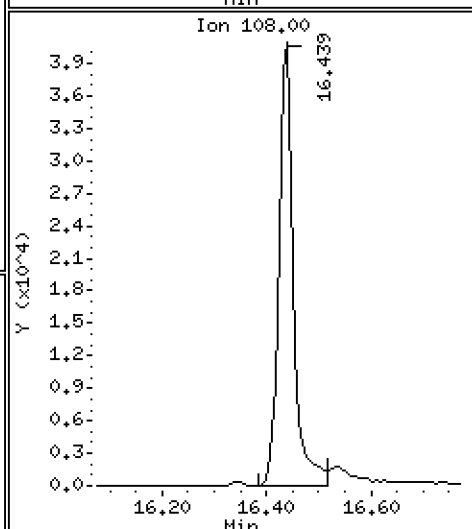
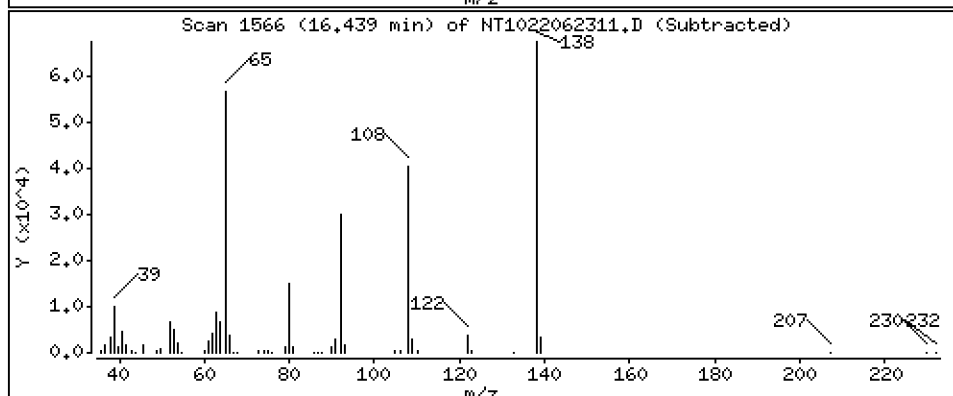
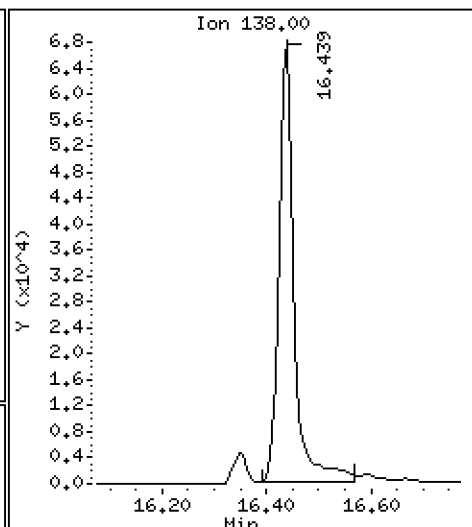
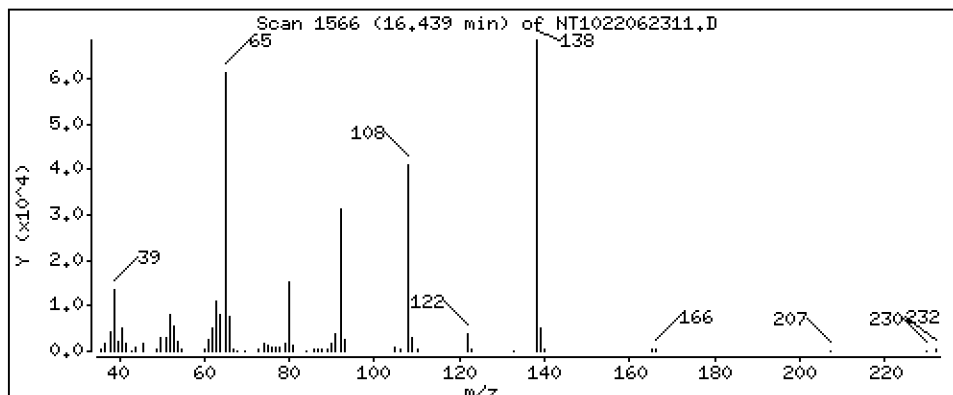
Operator: VTS

Column phase: ZB-5msi

Column diameter: 0,25

52 4-Nitroaniline

Concentration: 5,094 ug/mL



Date : 23-JUN-2022 15:20

Client ID:

Instrument: nt10.i

Sample Info: SKF0270-SCV1

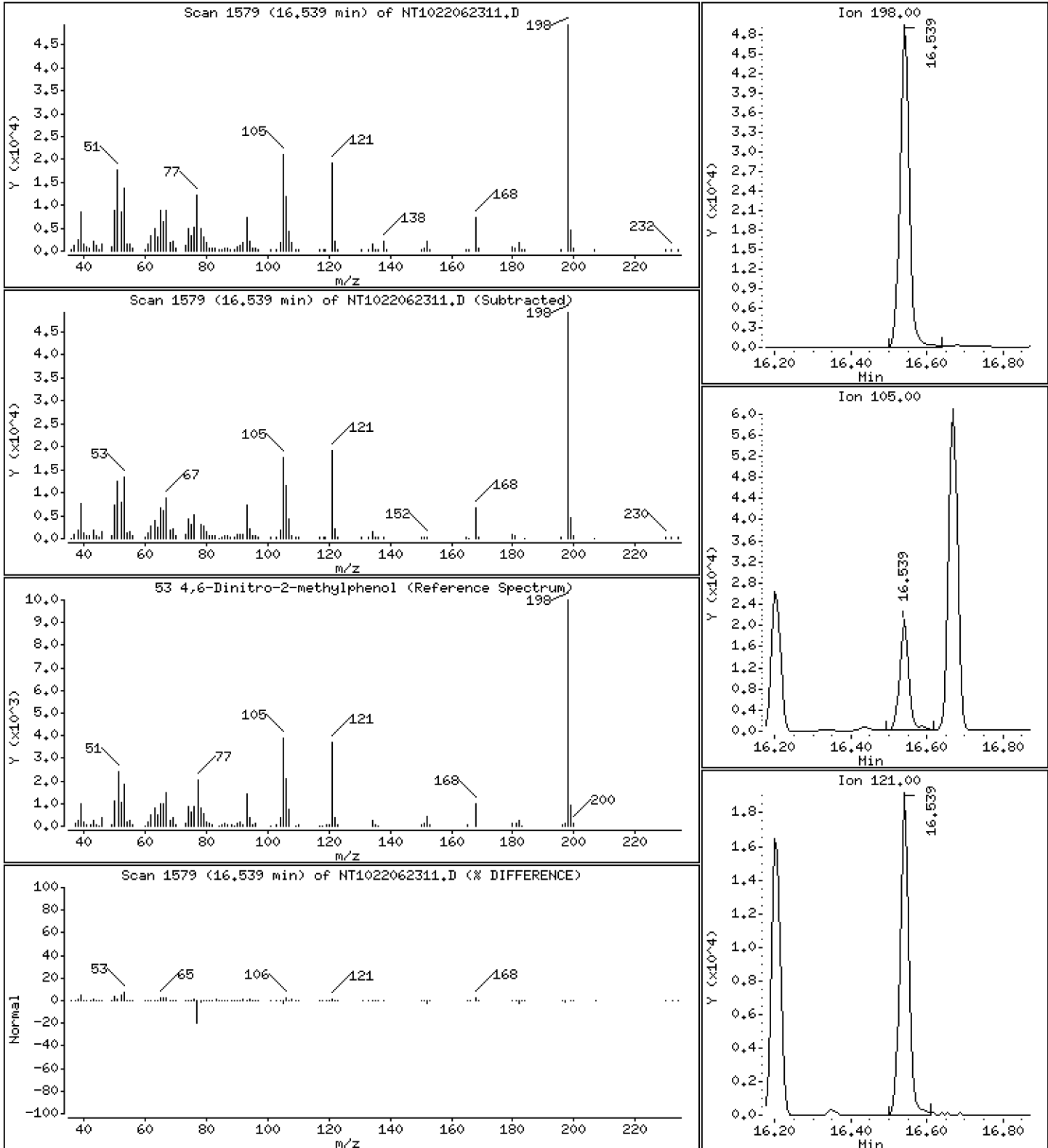
Operator: VTS

Column phase: ZB-5msi

Column diameter: 0,25

53 4,6-Dinitro-2-methylphenol

Concentration: 4,314 ug/mL



Date : 23-JUN-2022 15:20

Client ID:

Instrument: nt10.i

Sample Info: SKF0270-SCV1

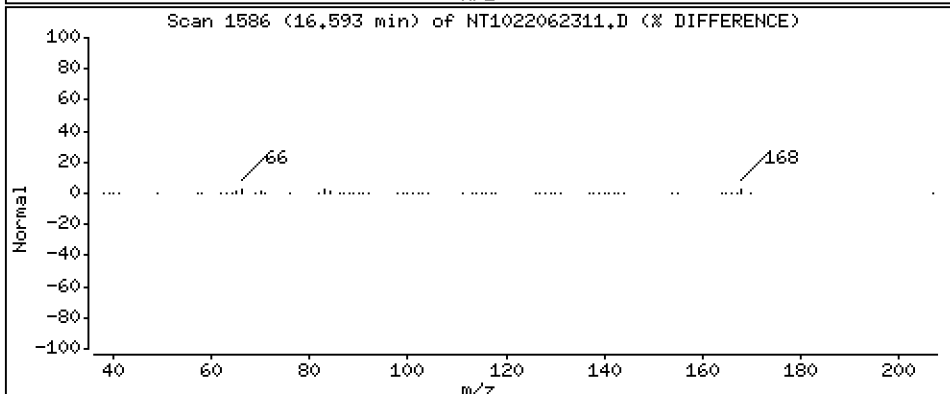
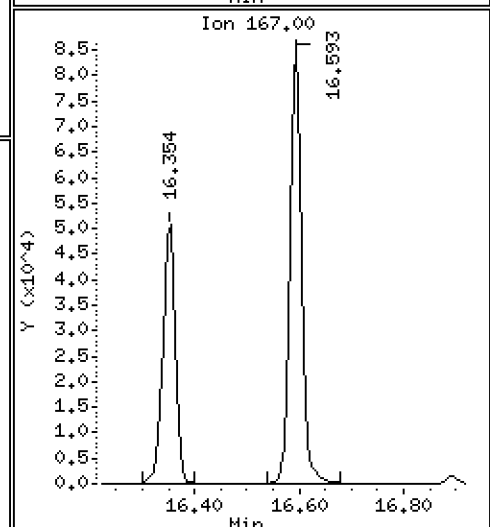
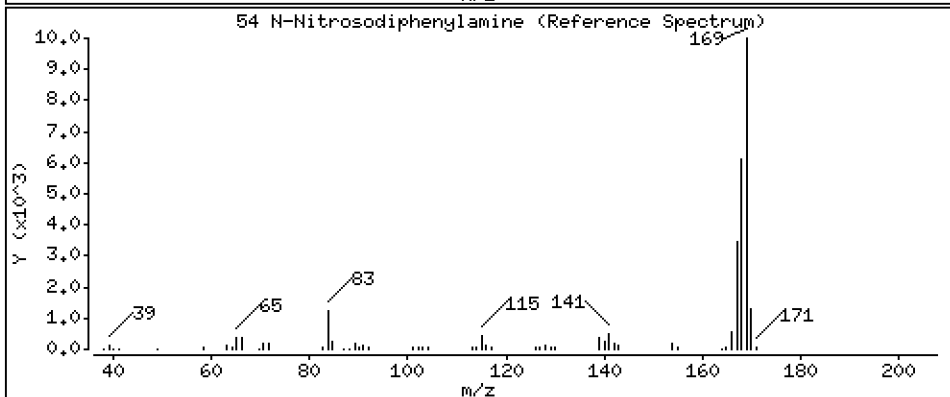
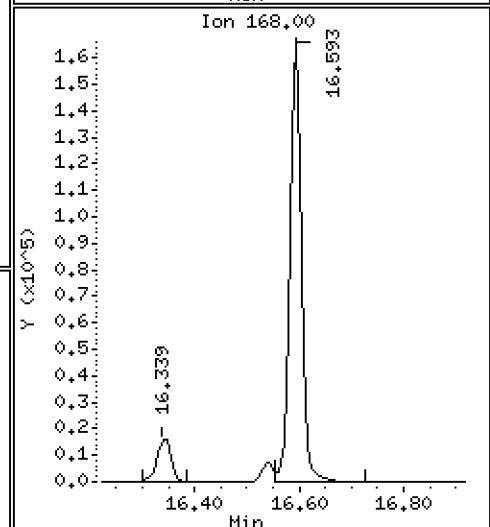
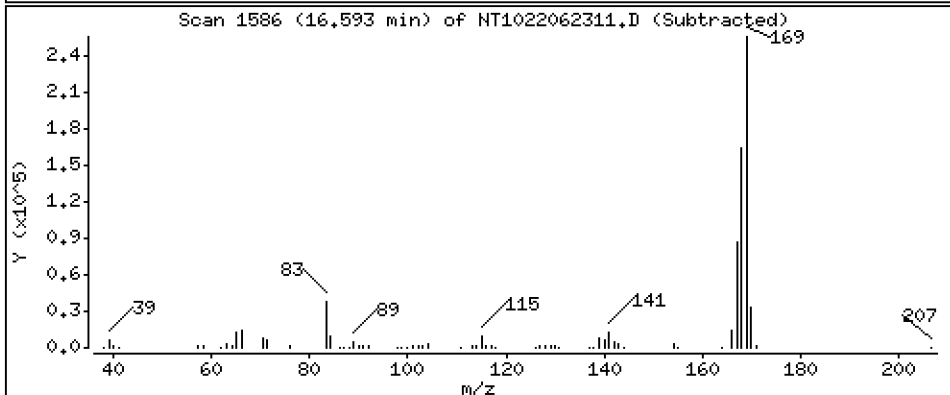
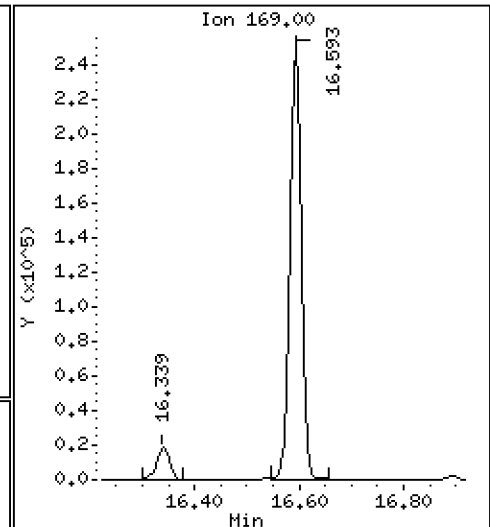
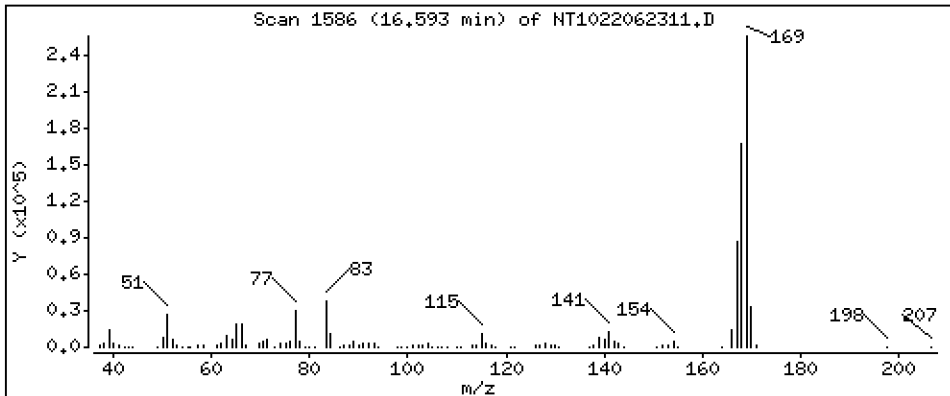
Operator: VTS

Column phase: ZB-5msi

Column diameter: 0,25

54 N-Nitrosodiphenylamine

Concentration: 4,983 ug/mL



Date : 23-JUN-2022 15:20

Client ID:

Instrument: nt10.i

Sample Info: SKF0270-SCV1

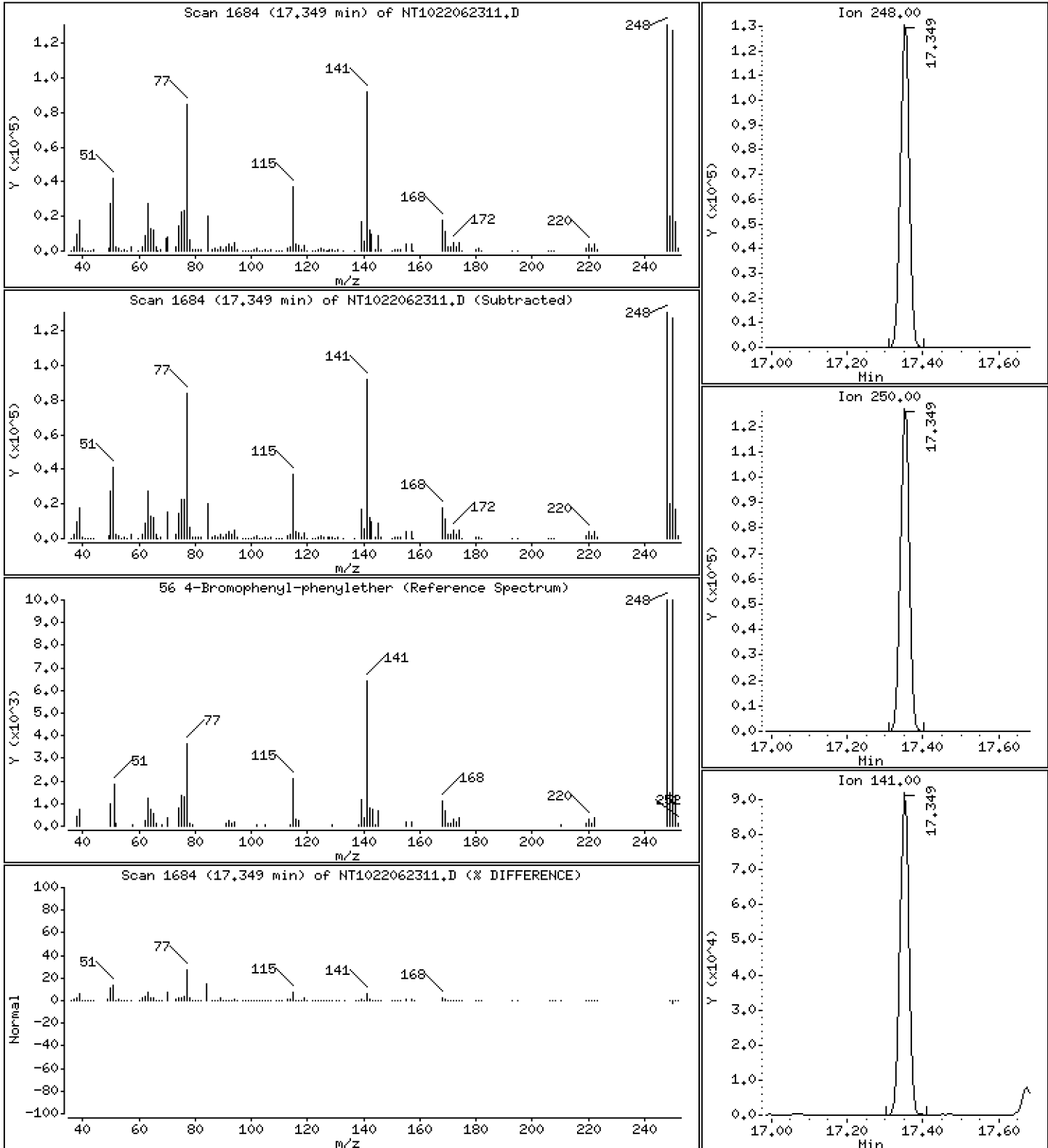
Operator: VTS

Column phase: ZB-5msi

Column diameter: 0,25

56 4-Bromophenyl-phenylether

Concentration: 5,456 ug/mL



Date : 23-JUN-2022 15:20

Client ID:

Instrument: nt10.i

Sample Info: SKF0270-SCV1

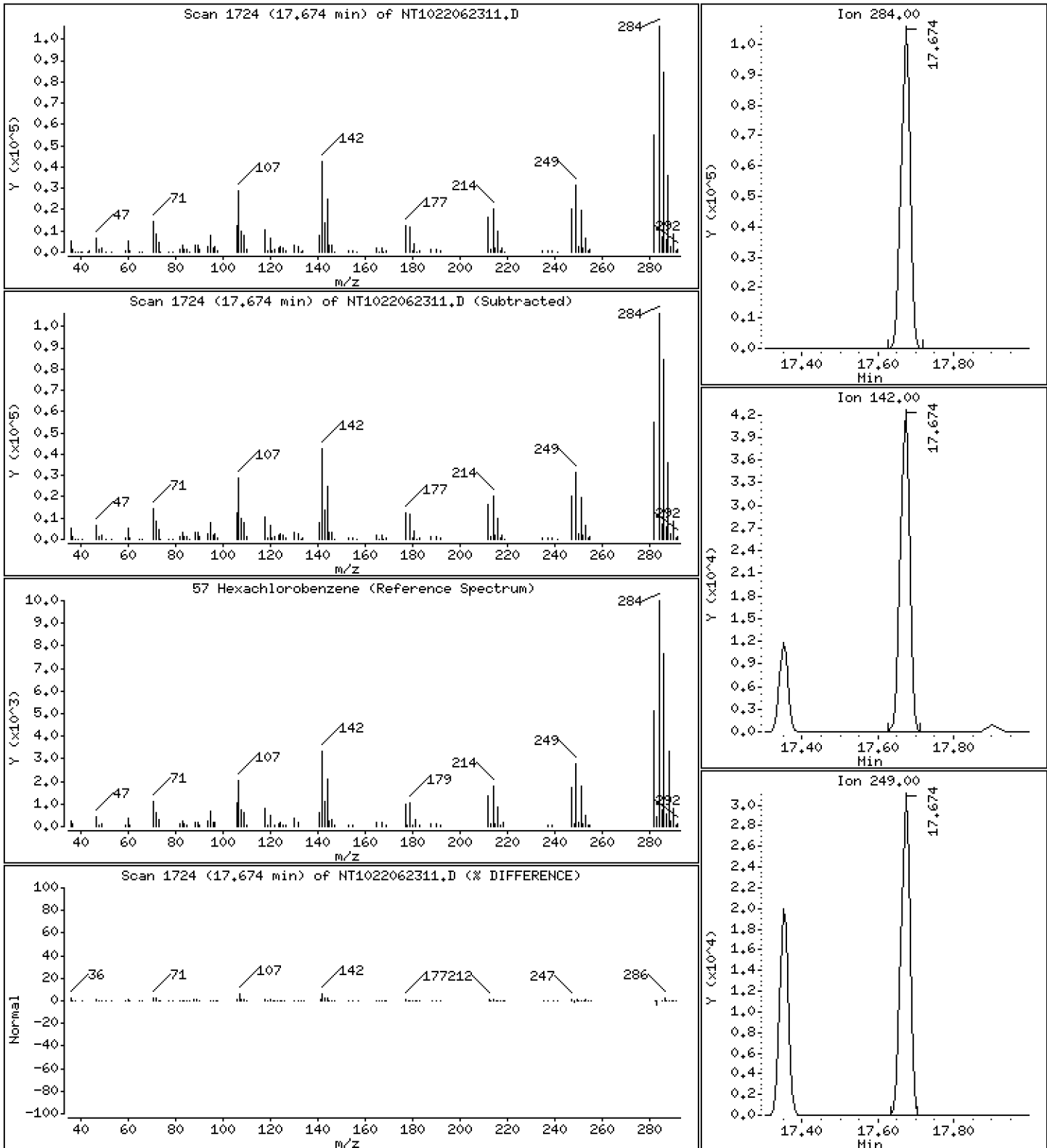
Operator: VTS

Column phase: ZB-5msi

Column diameter: 0,25

57 Hexachlorobenzene

Concentration: 5,114 ug/mL



Date : 23-JUN-2022 15:20

Client ID:

Instrument: nt10.i

Sample Info: SKF0270-SCV1

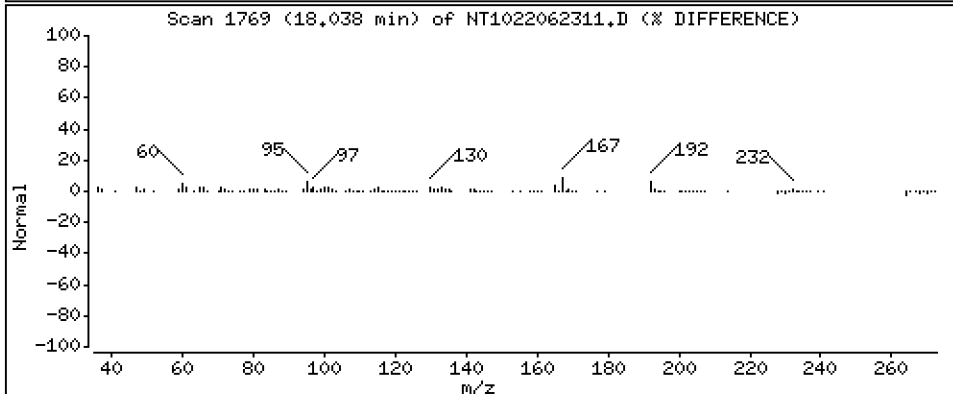
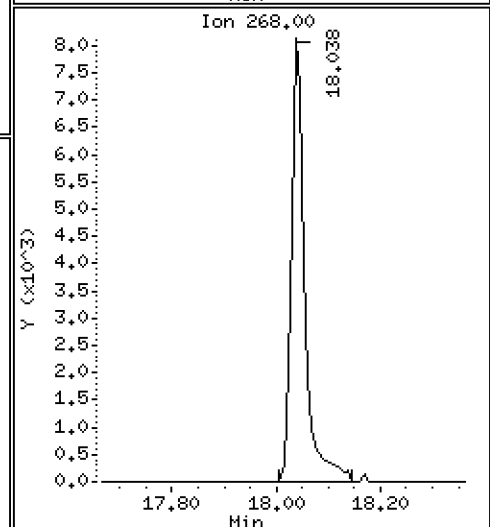
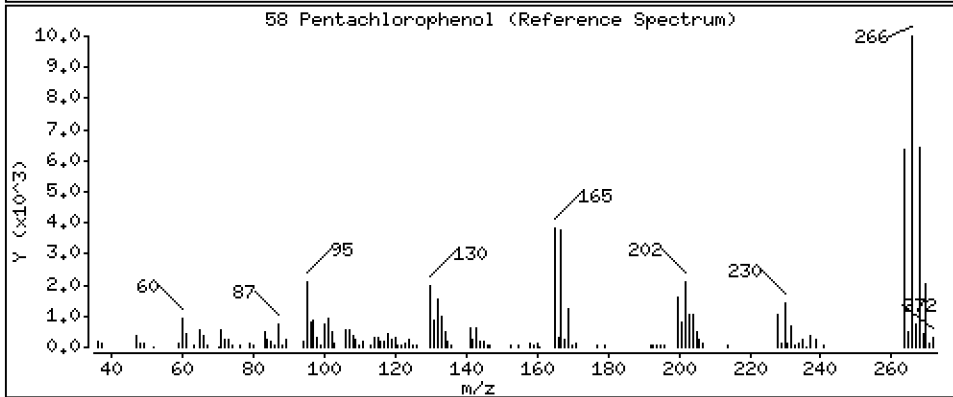
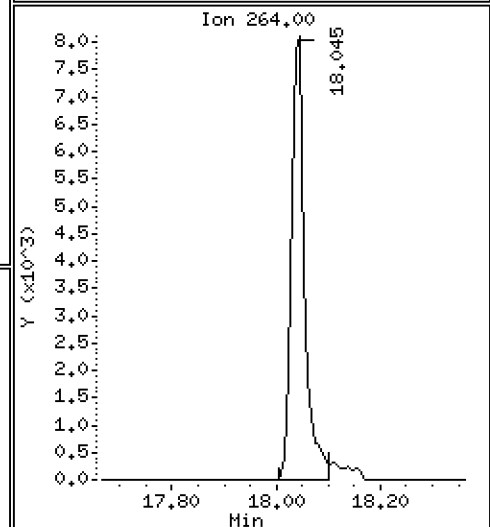
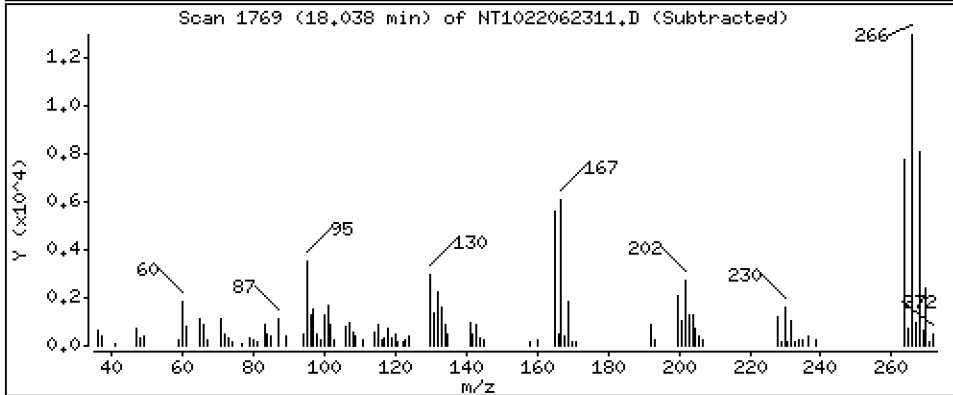
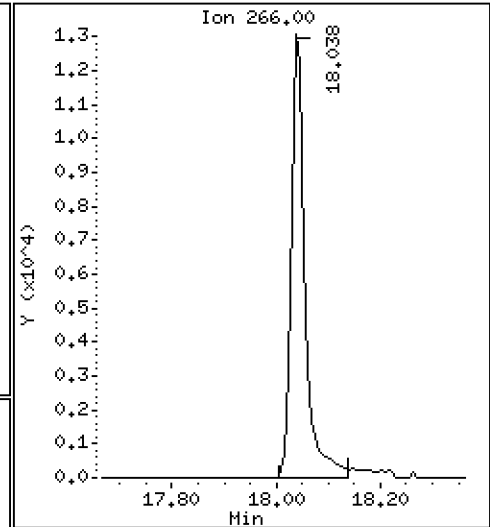
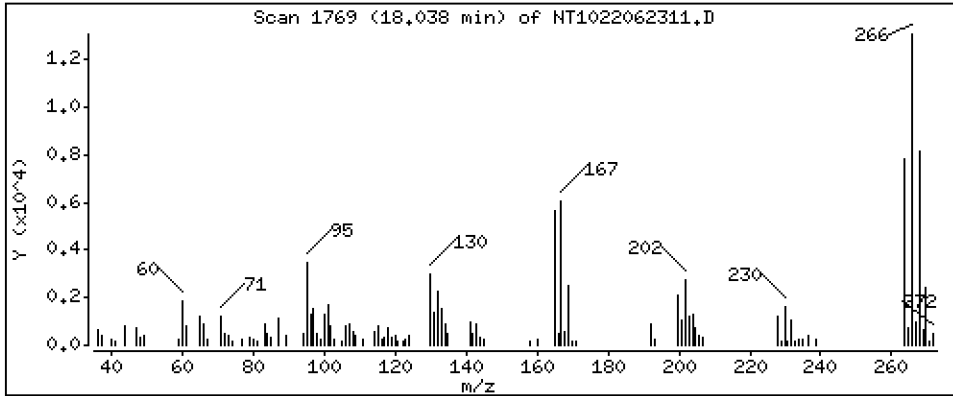
Operator: VTS

Column phase: ZB-5msi

Column diameter: 0,25

58 Pentachlorophenol

Concentration: 3,238 ug/mL



Date : 23-JUN-2022 15:20

Client ID:

Instrument: nt10.i

Sample Info: SKF0270-SCV1

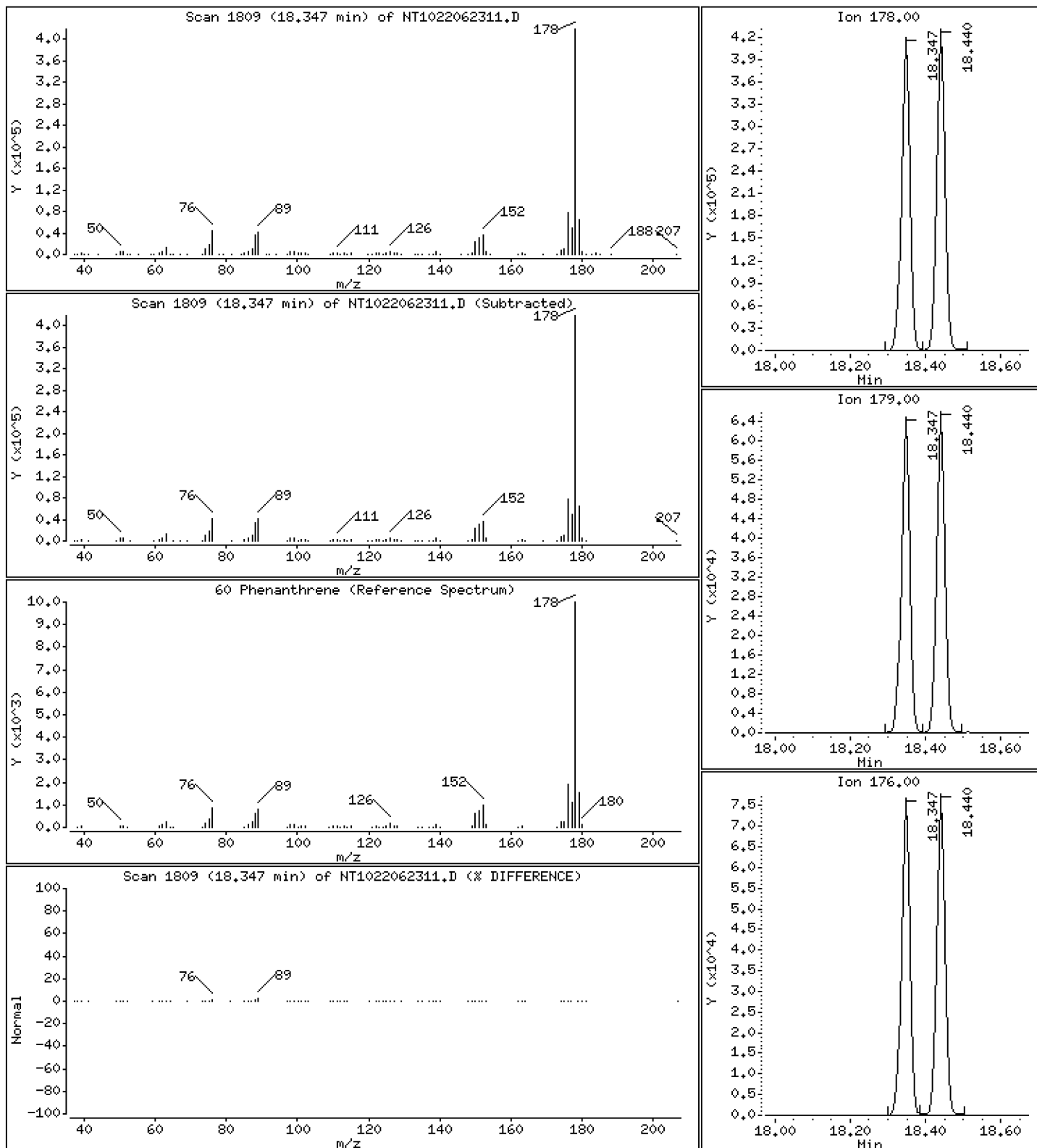
Operator: VTS

Column phase: ZB-5msi

Column diameter: 0,25

60 Phenanthrene

Concentration: 4,893 ug/mL



Date : 23-JUN-2022 15:20

Client ID:

Instrument: nt10.i

Sample Info: SKF0270-SCV1

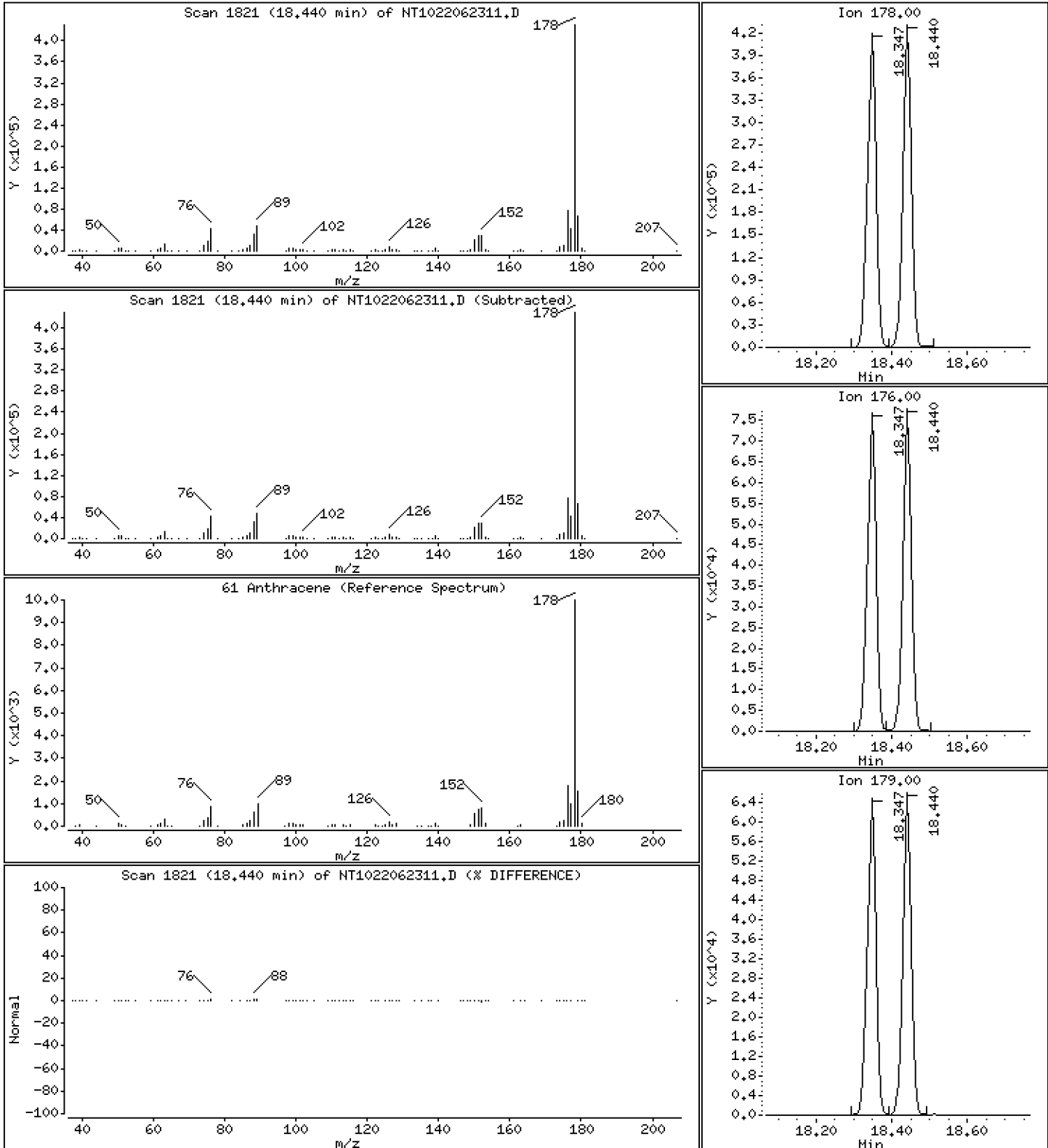
Operator: VTS

Column phase: ZB-5msi

Column diameter: 0,25

61 Anthracene

Concentration: 4,828 ug/mL



Date : 23-JUN-2022 15:20

Client ID:

Instrument: nt10.i

Sample Info: SKF0270-SCV1

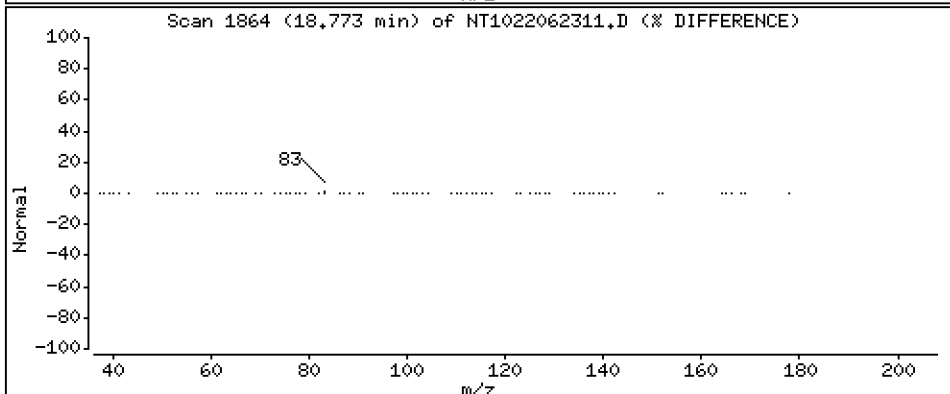
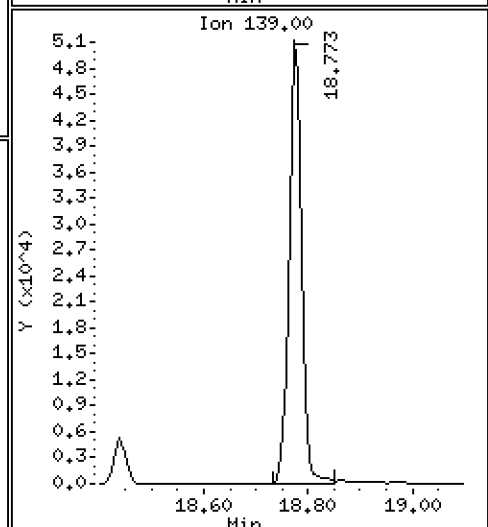
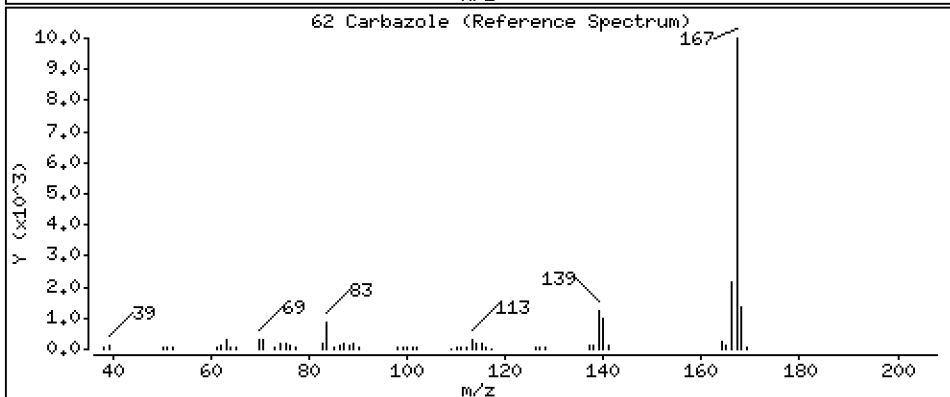
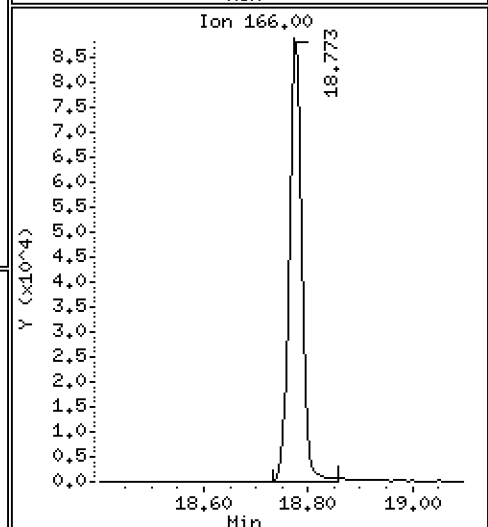
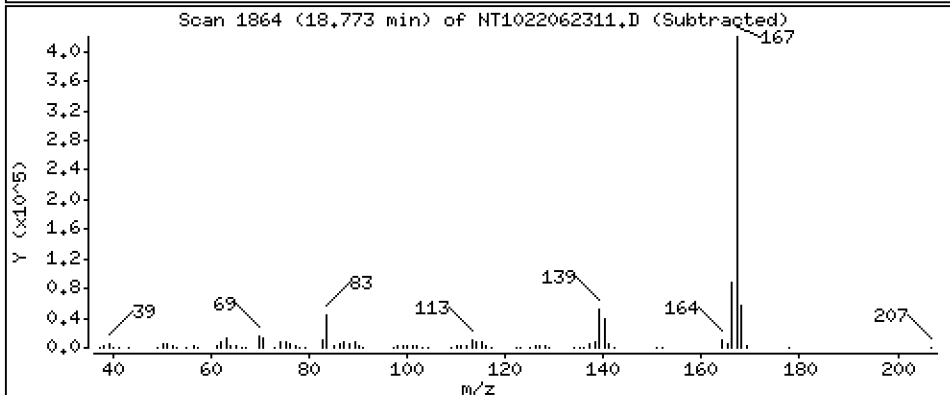
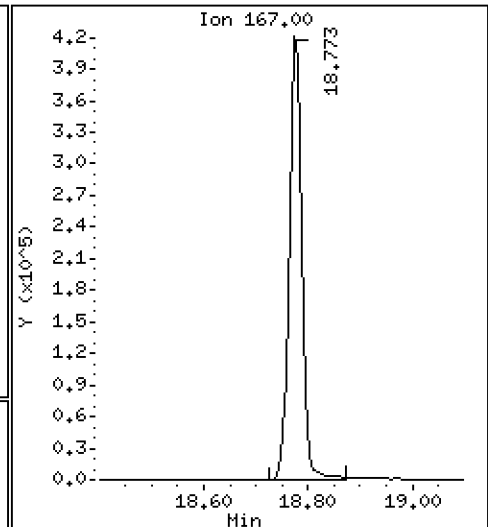
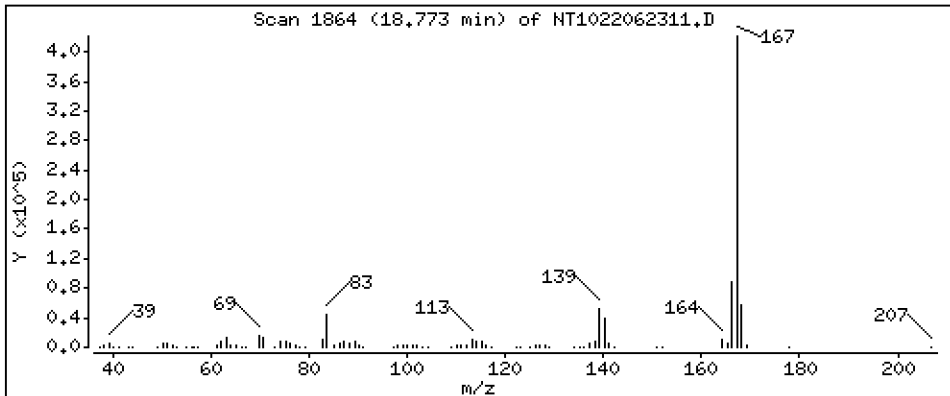
Operator: VTS

Column phase: ZB-5msi

Column diameter: 0,25

62 Carbazole

Concentration: 5,567 ug/mL



Date : 23-JUN-2022 15:20

Client ID:

Instrument: nt10.i

Sample Info: SKF0270-SCV1

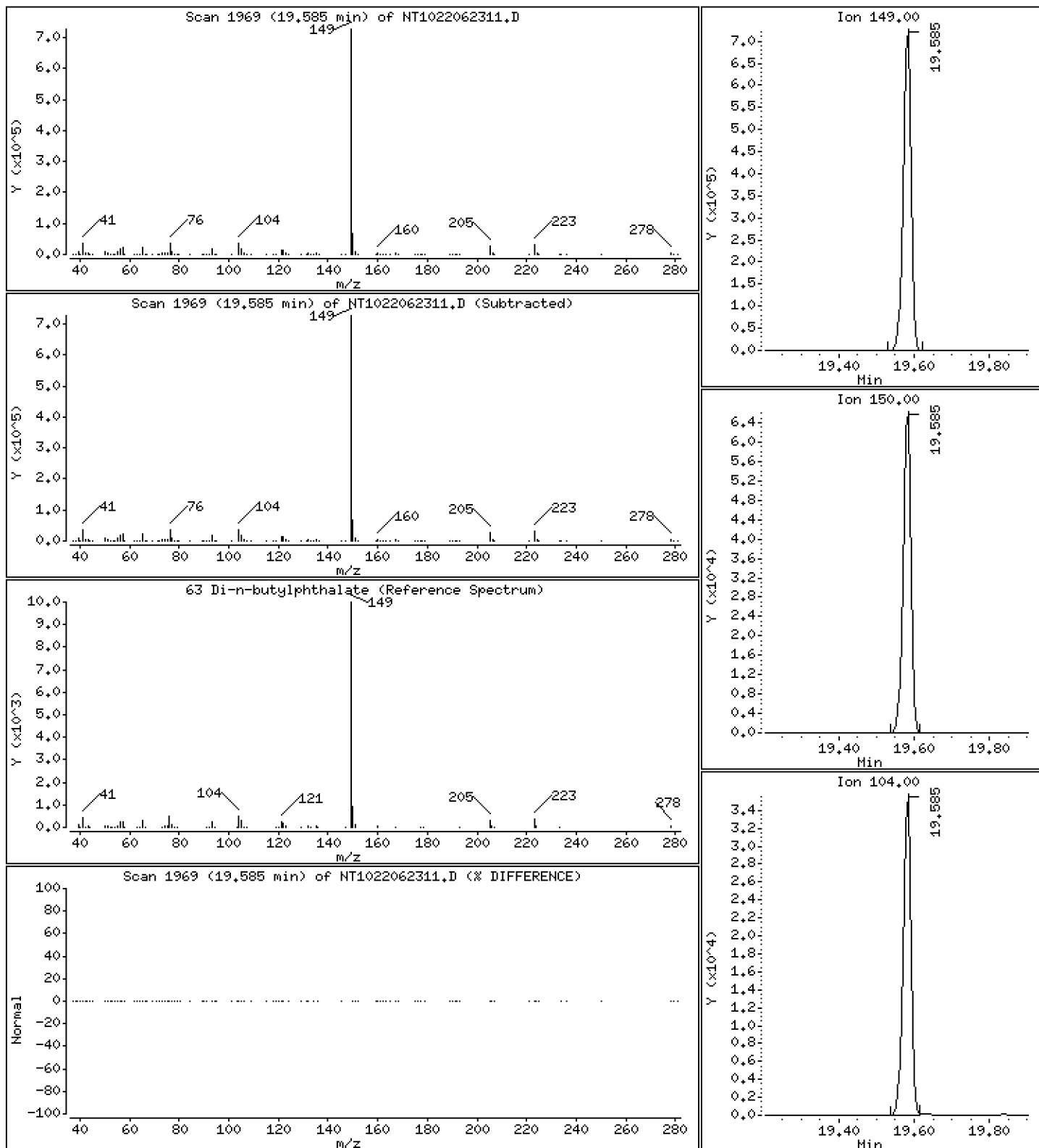
Operator: VTS

Column phase: ZB-5msi

Column diameter: 0.25

63 Di-n-butylphthalate

Concentration: 5.328 ug/mL



Date : 23-JUN-2022 15:20

Client ID:

Instrument: nt10.i

Sample Info: SKF0270-SCV1

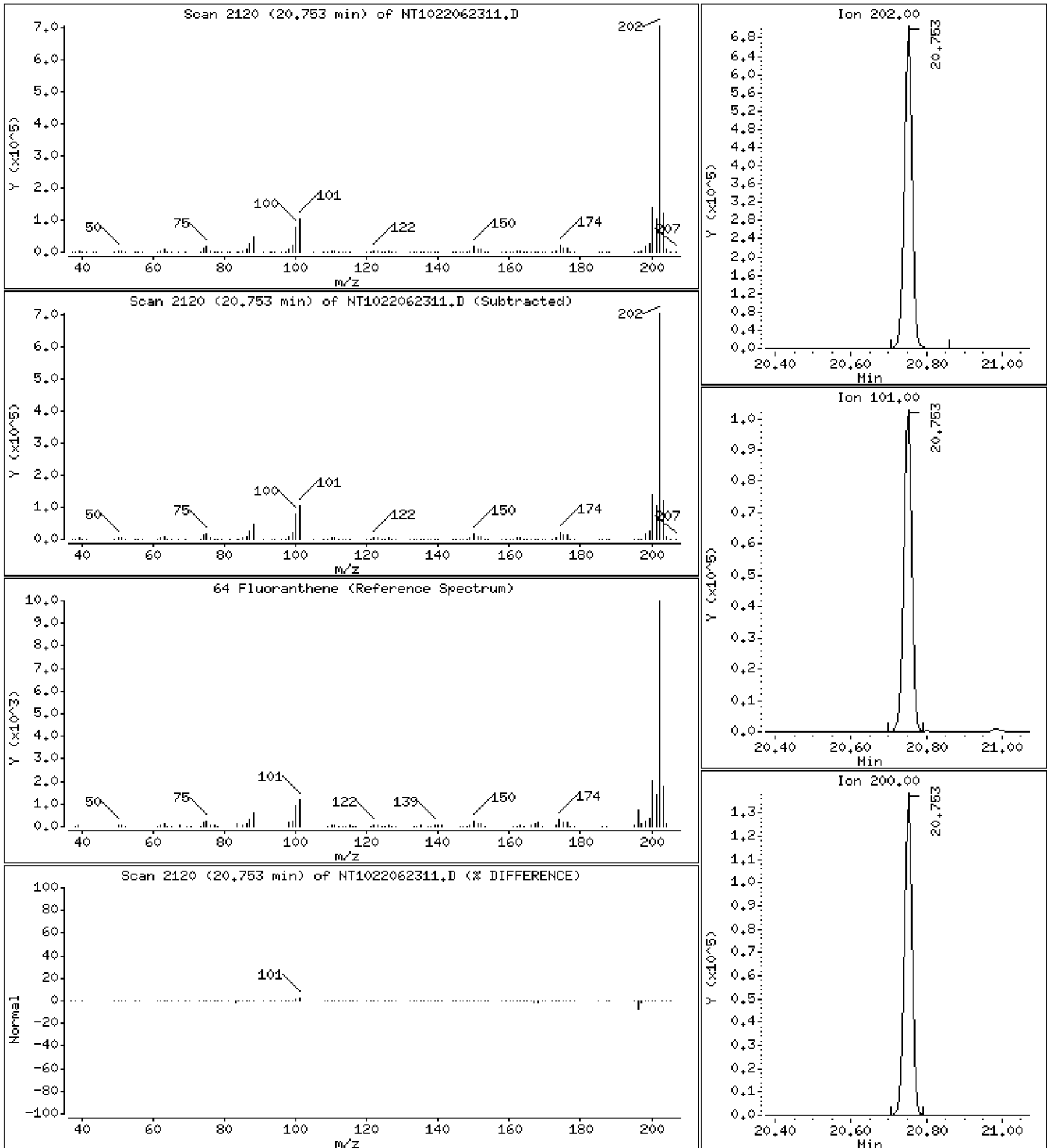
Operator: VTS

Column phase: ZB-5msi

Column diameter: 0,25

64 Fluoranthene

Concentration: 4,192 ug/mL



Date : 23-JUN-2022 15:20

Client ID:

Instrument: nt10.i

Sample Info: SKF0270-SCV1

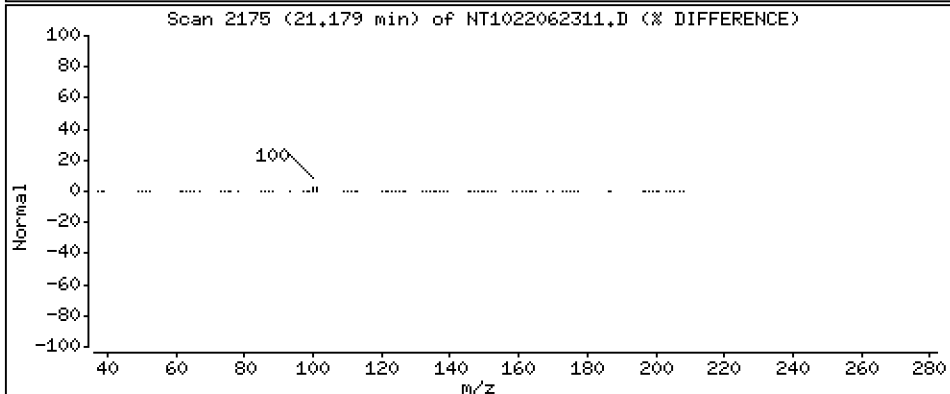
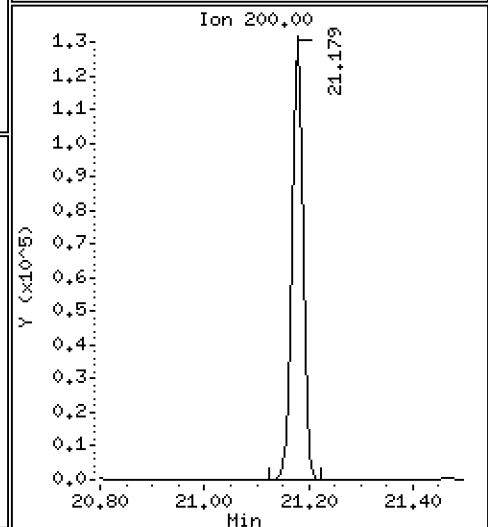
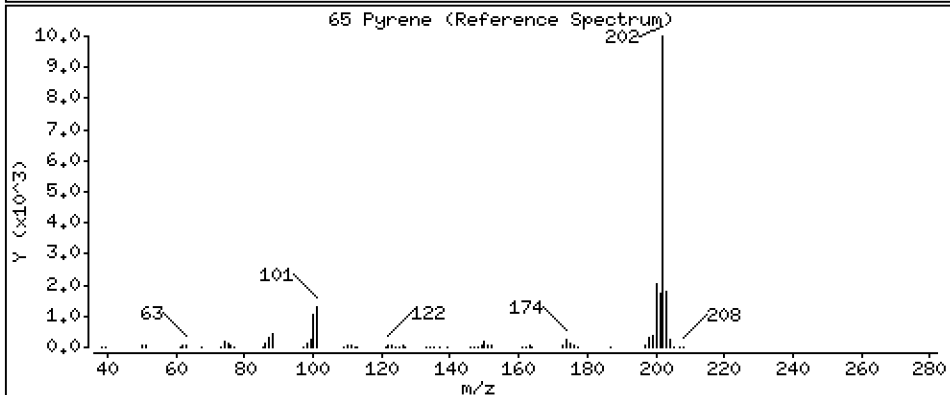
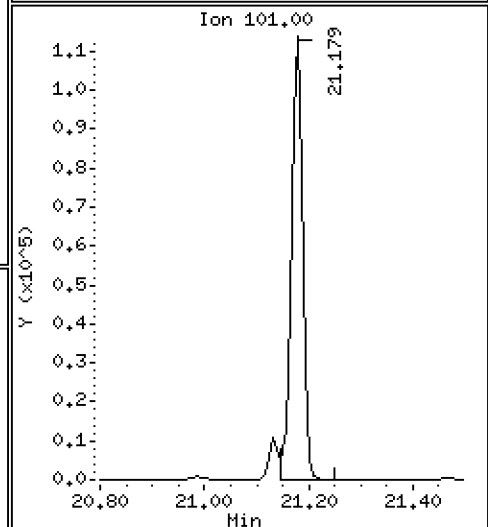
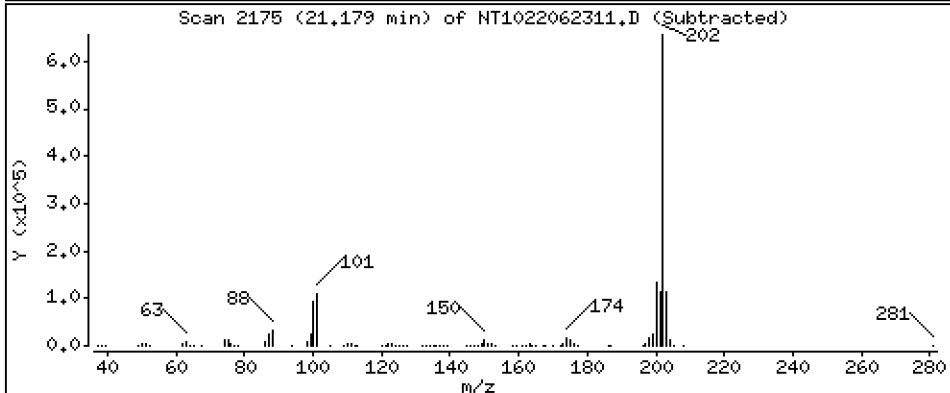
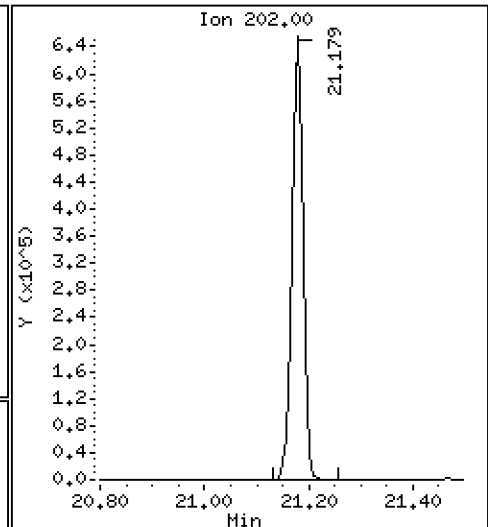
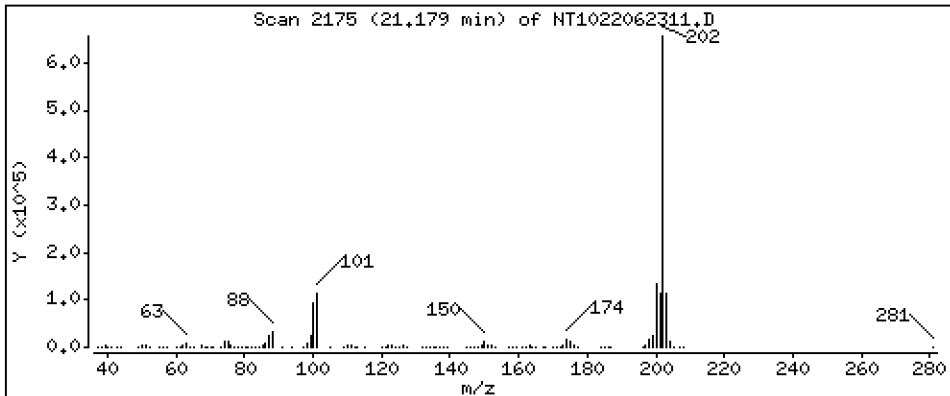
Operator: VTS

Column phase: ZB-5msi

Column diameter: 0,25

65 Pyrene

Concentration: 4,572 ug/mL



Date : 23-JUN-2022 15:20

Client ID:

Instrument: nt10.i

Sample Info: SKF0270-SCV1

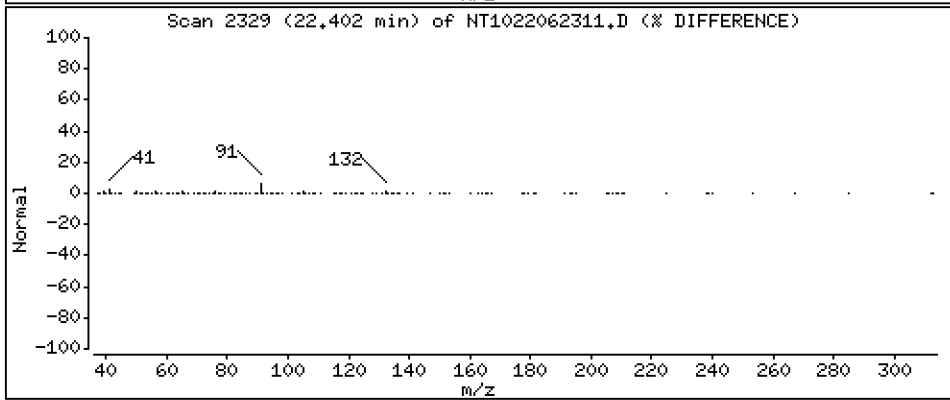
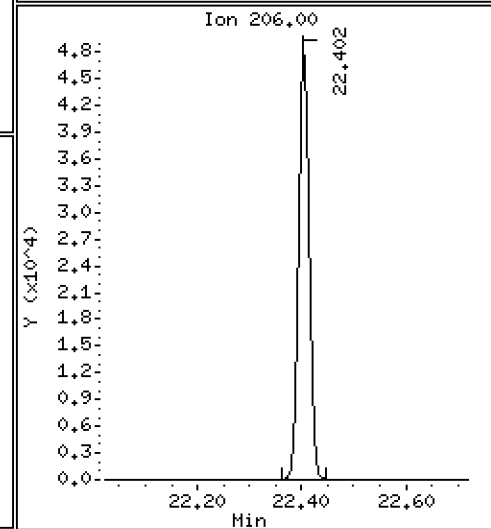
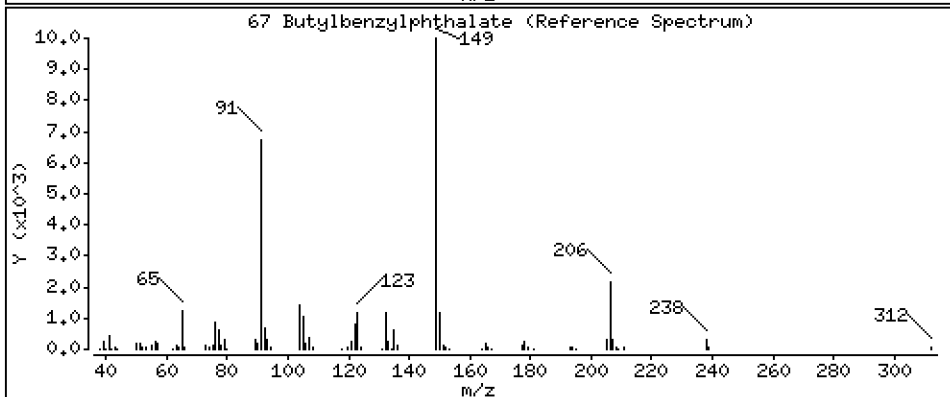
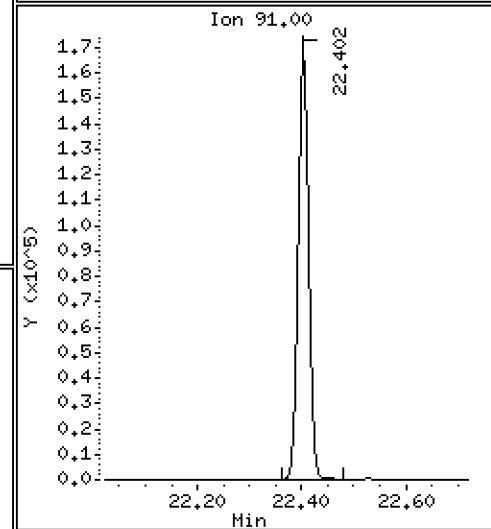
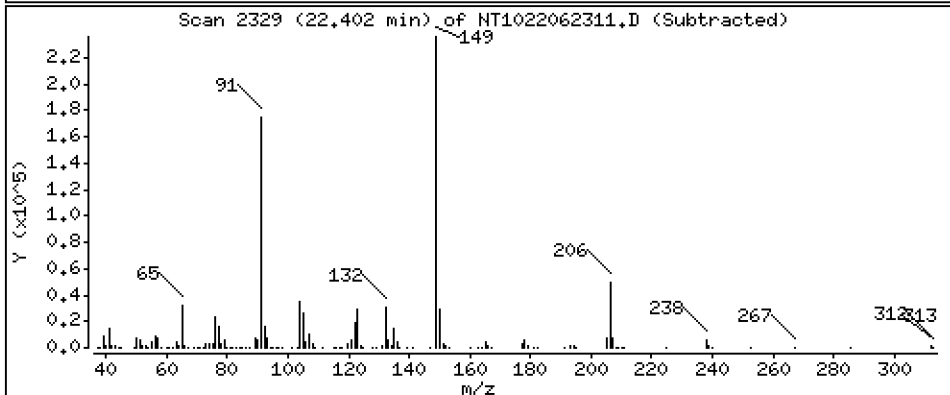
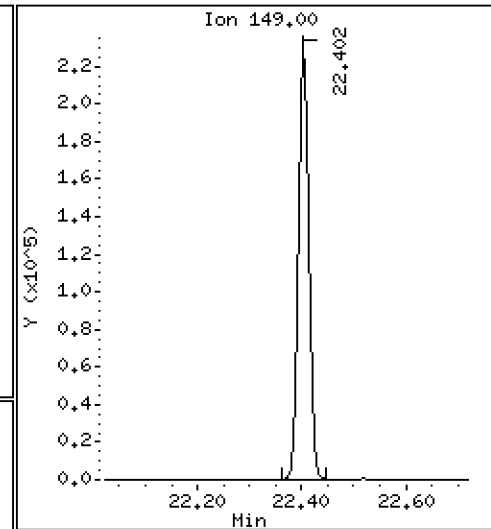
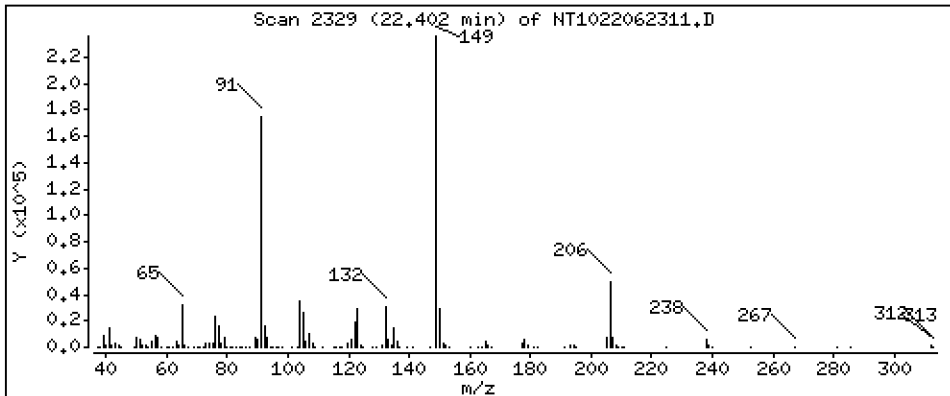
Operator: VTS

Column phase: ZB-5msi

Column diameter: 0,25

67 Butylbenzylphthalate

Concentration: 4,860 ug/mL



Date : 23-JUN-2022 15:20

Client ID:

Instrument: nt10.i

Sample Info: SKF0270-SCV1

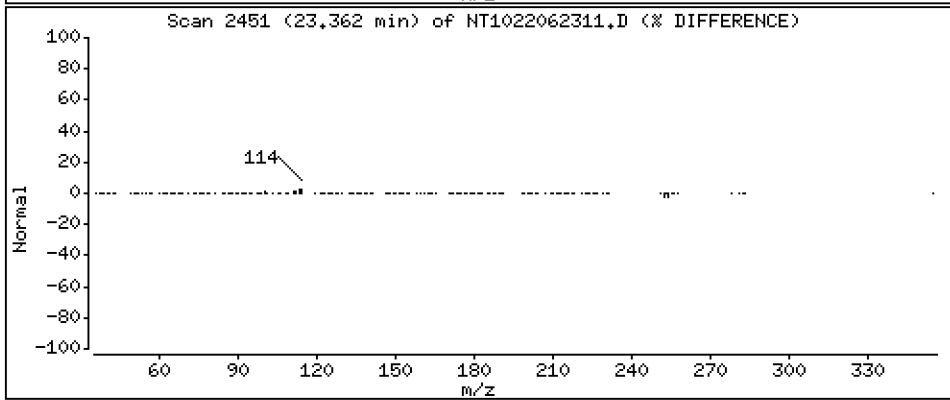
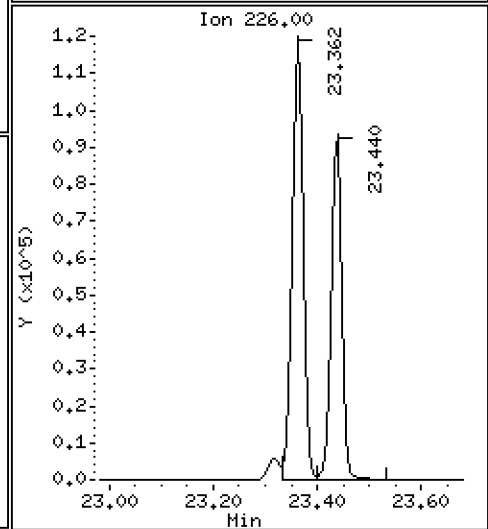
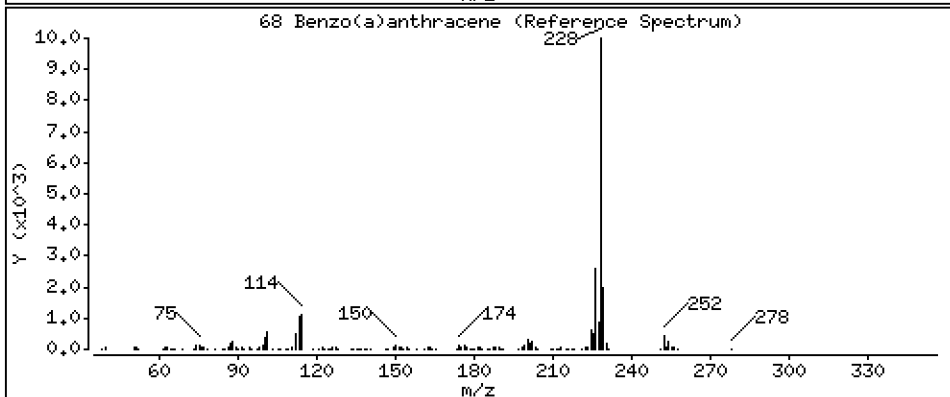
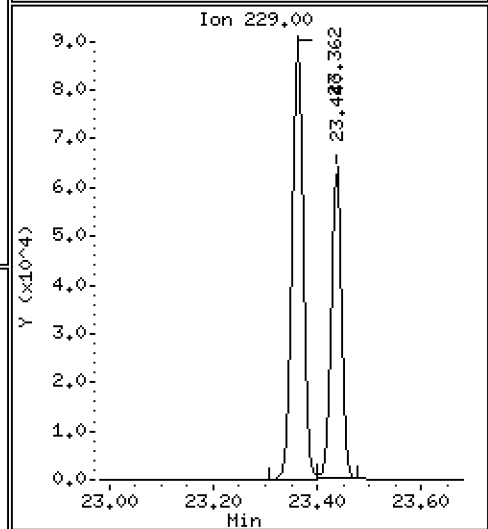
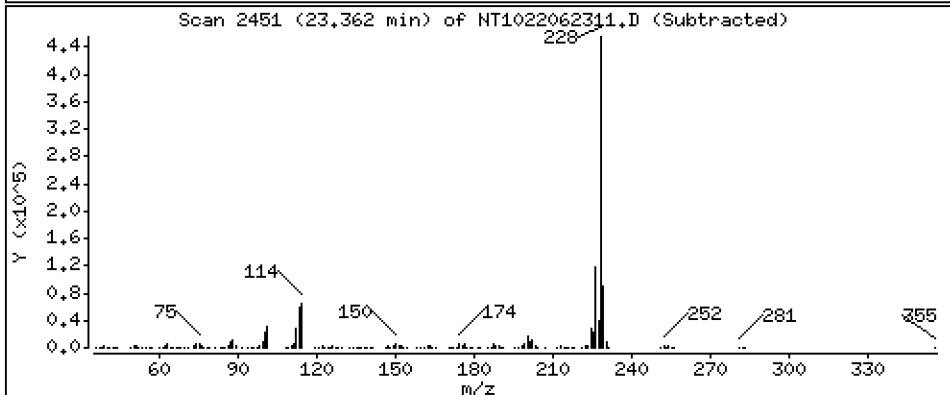
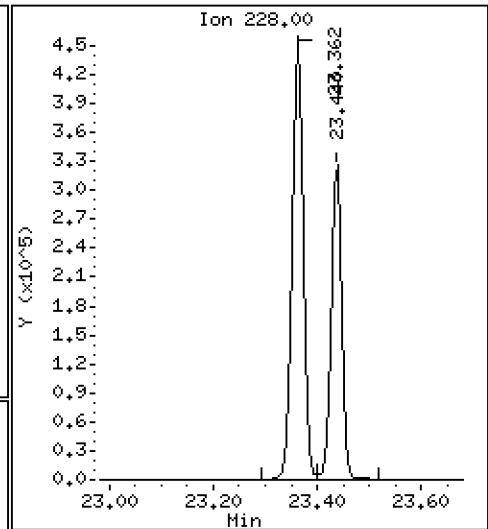
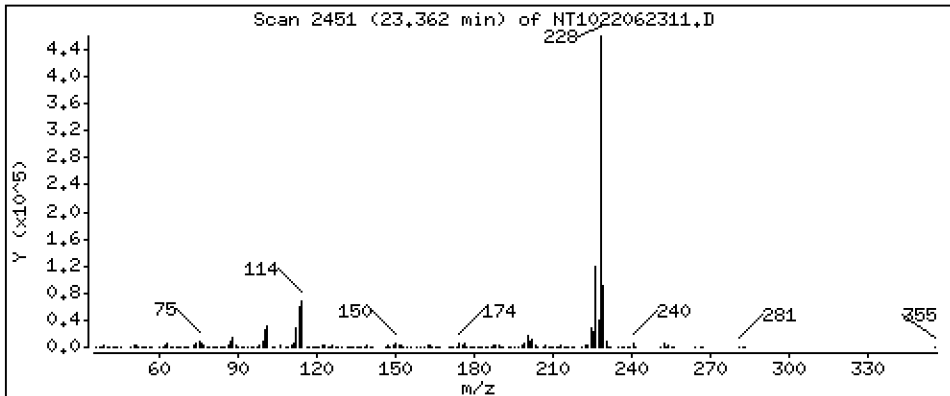
Operator: VTS

Column phase: ZB-5msi

Column diameter: 0,25

68 Benzo(a)anthracene

Concentration: 4,852 ug/mL



Date : 23-JUN-2022 15:20

Client ID:

Instrument: nt10.i

Sample Info: SKF0270-SCV1

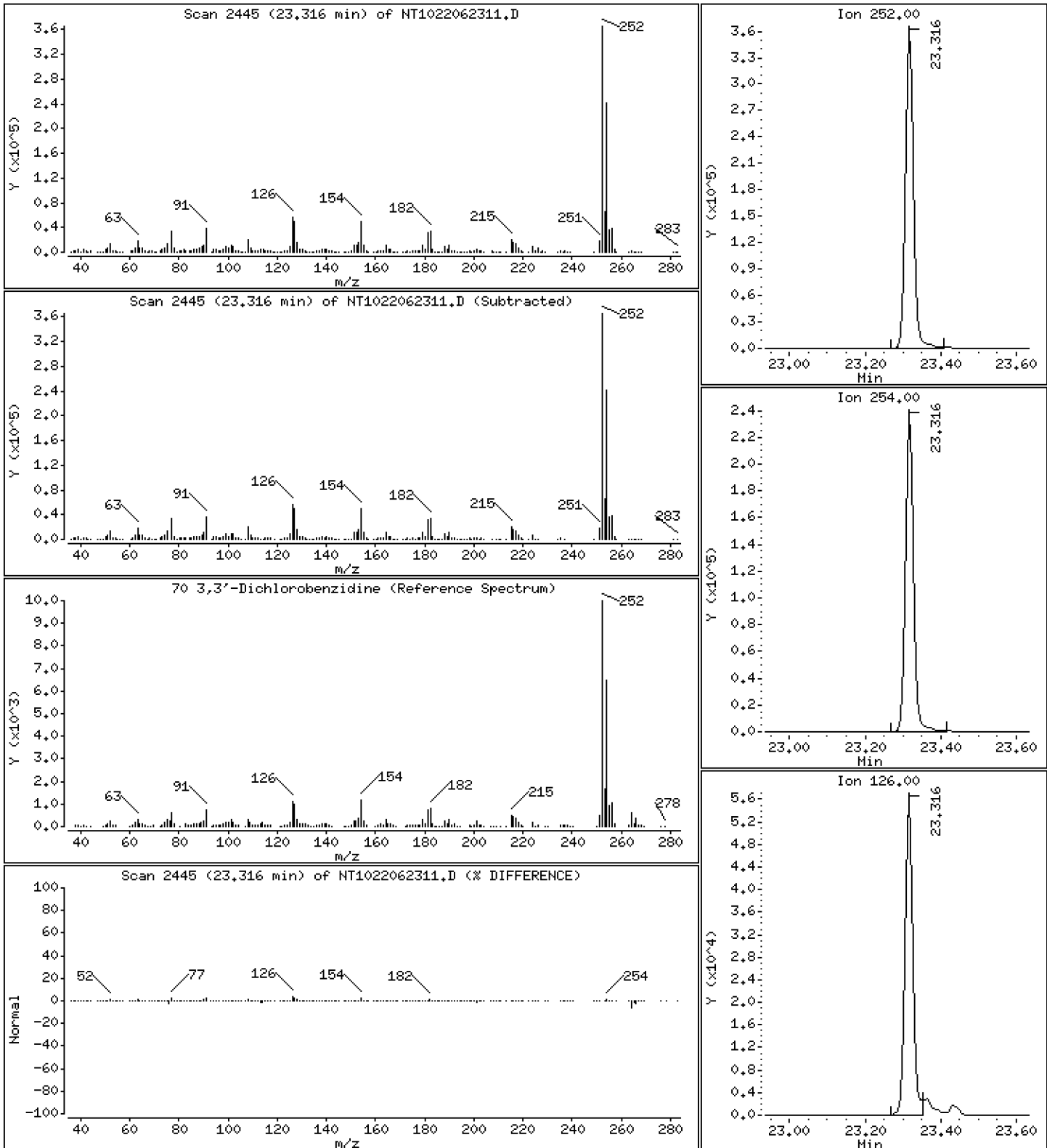
Operator: VTS

Column phase: ZB-5msi

Column diameter: 0,25

70 3,3'-Dichlorobenzidine

Concentration: 11,77 ug/mL



Date : 23-JUN-2022 15:20

Client ID:

Instrument: nt10.i

Sample Info: SKF0270-SCV1

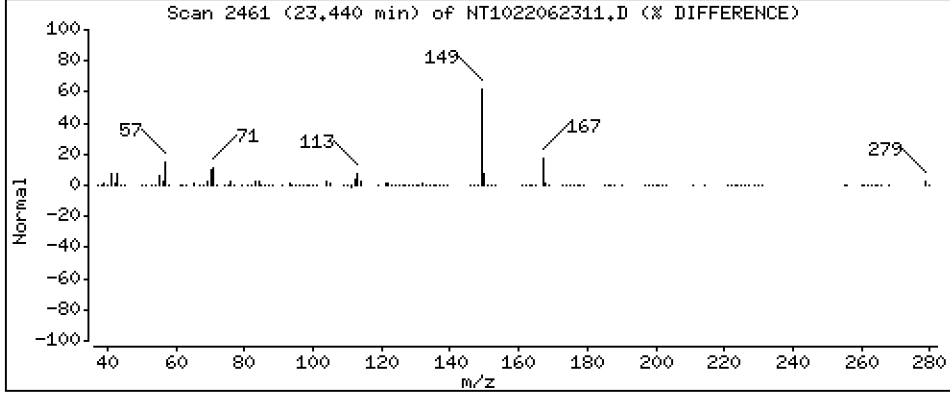
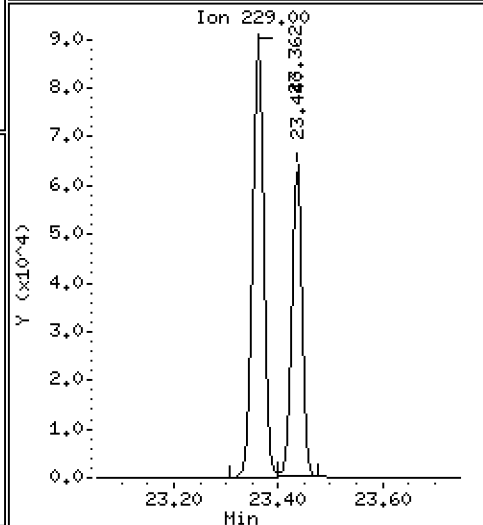
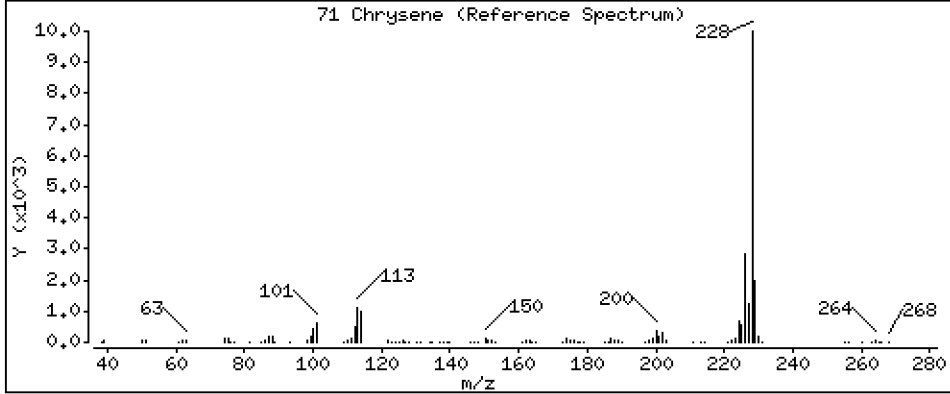
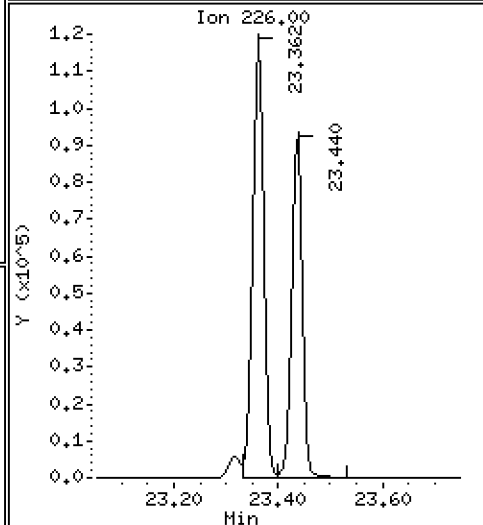
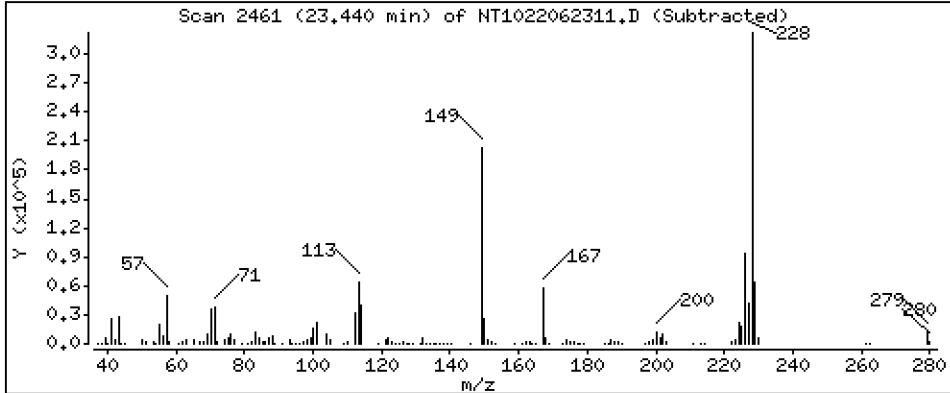
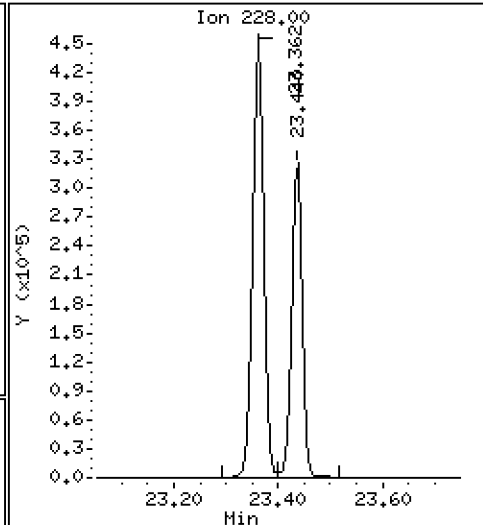
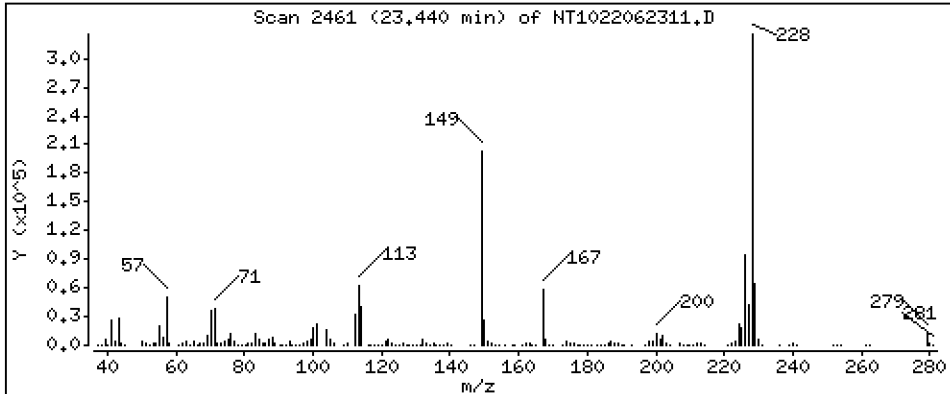
Operator: VTS

Column phase: ZB-5msi

Column diameter: 0,25

71 Chrysene

Concentration: 4,725 ug/mL



Date : 23-JUN-2022 15:20

Client ID:

Instrument: nt10.i

Sample Info: SKF0270-SCV1

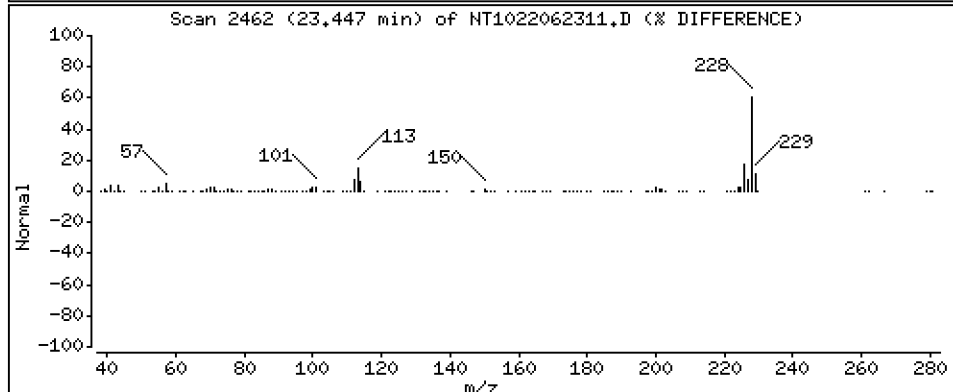
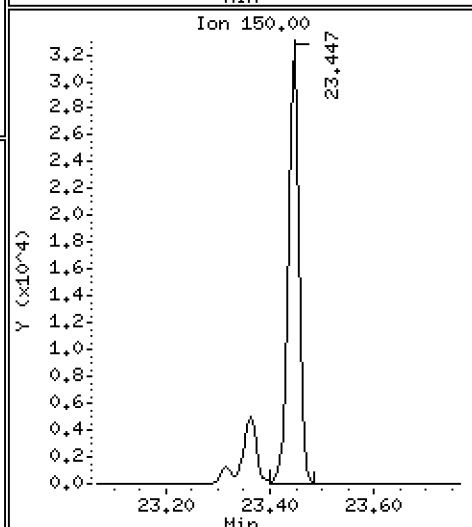
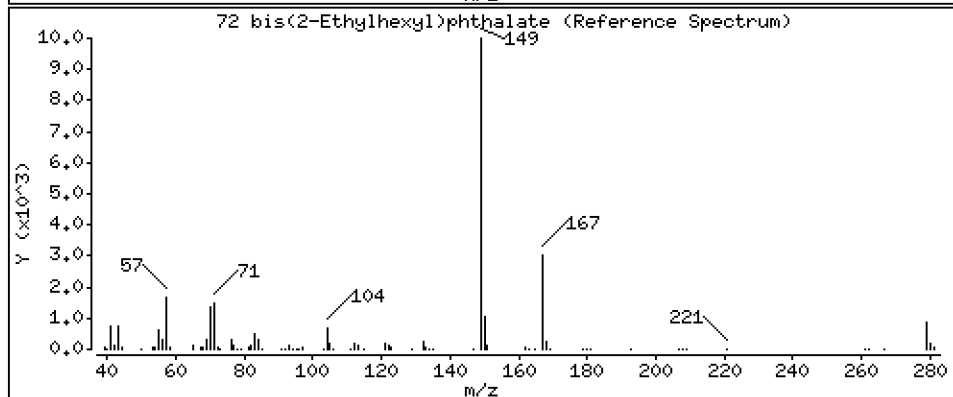
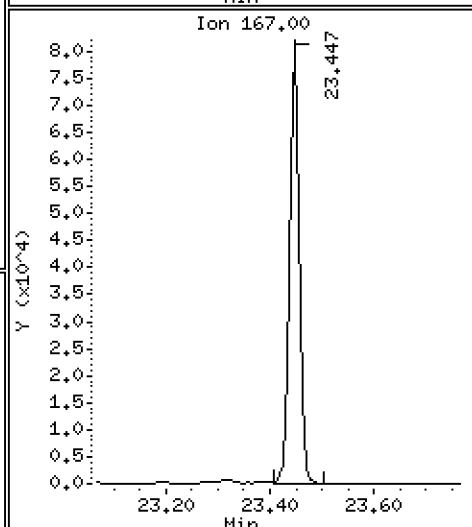
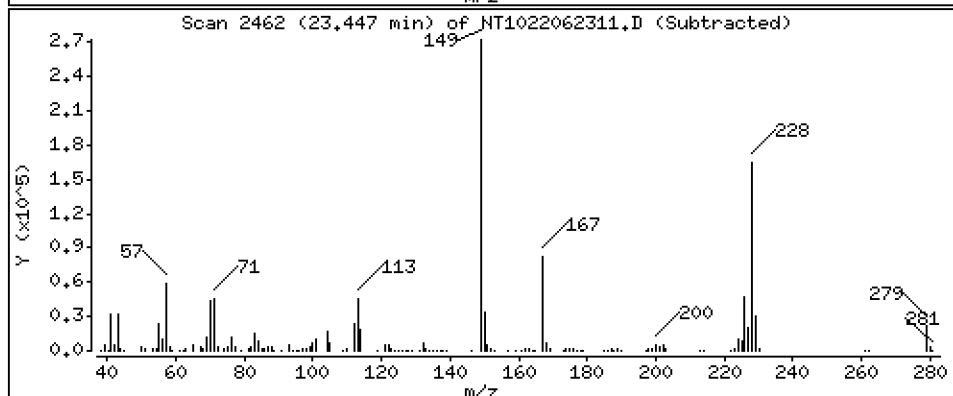
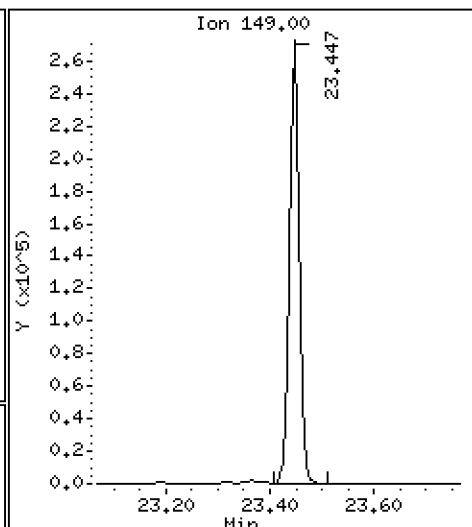
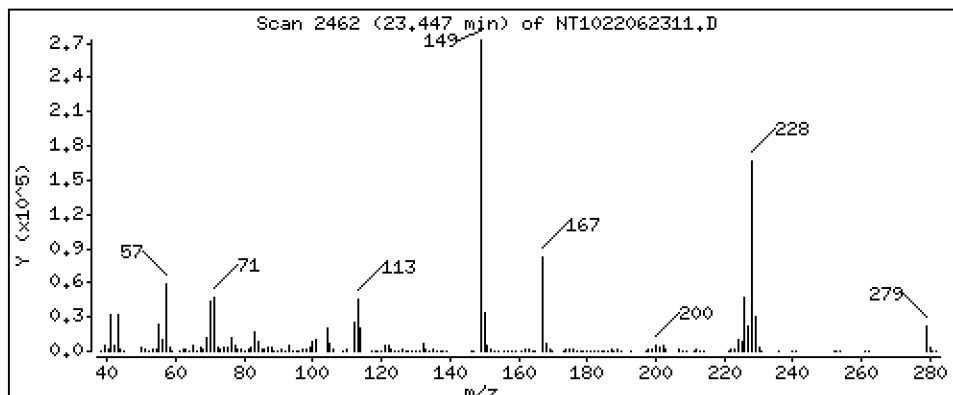
Operator: VTS

Column phase: ZB-5msi

Column diameter: 0,25

72 bis(2-Ethylhexyl)phthalate

Concentration: 5,061 ug/mL



Date : 23-JUN-2022 15:20

Client ID:

Instrument: nt10.i

Sample Info: SKF0270-SCV1

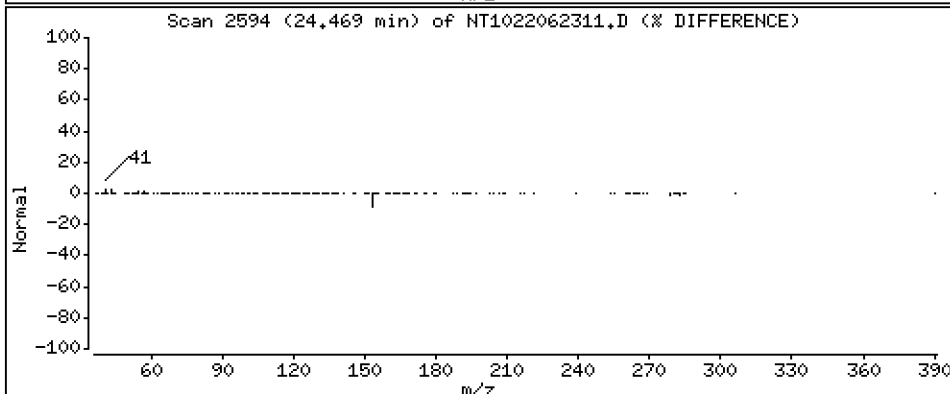
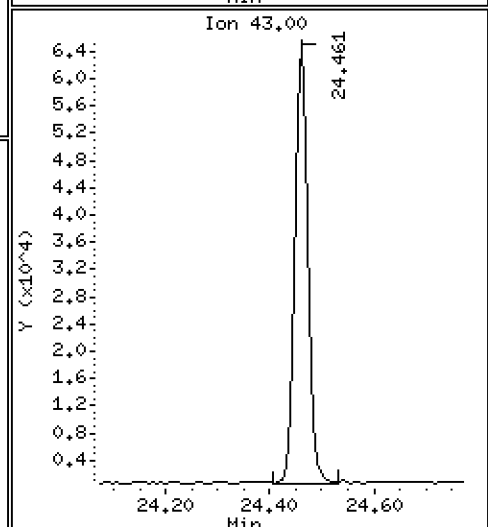
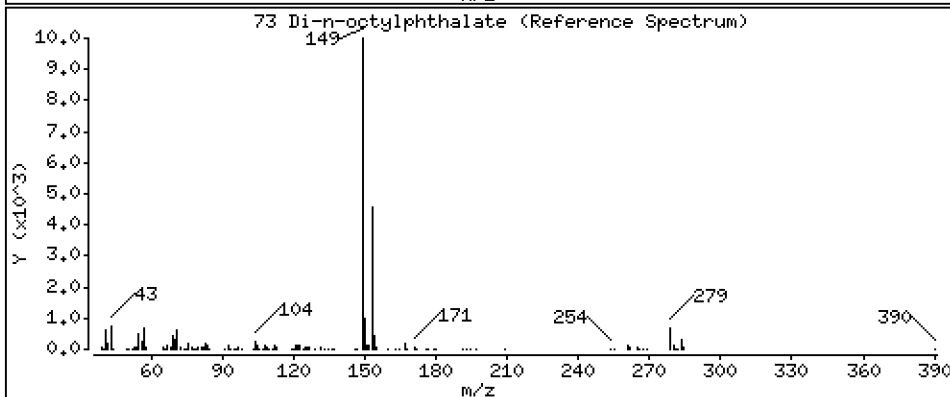
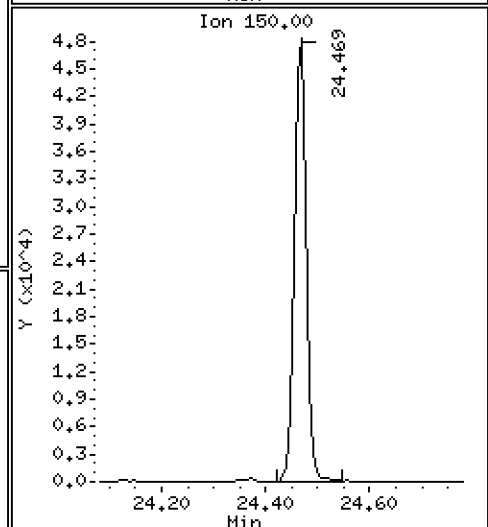
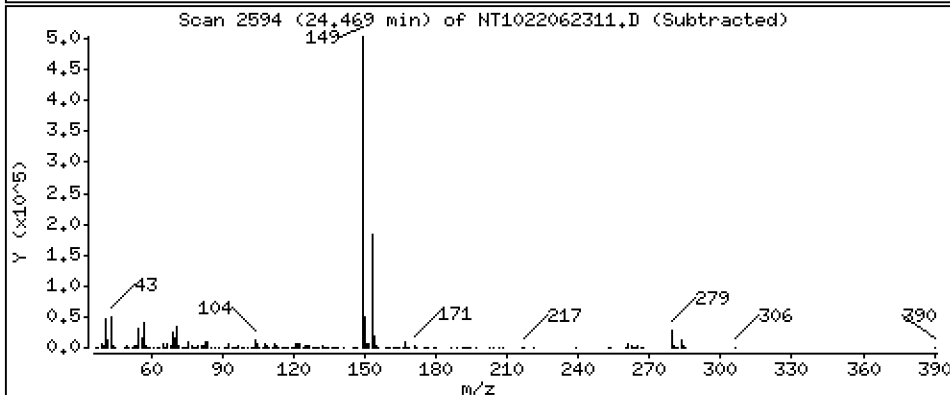
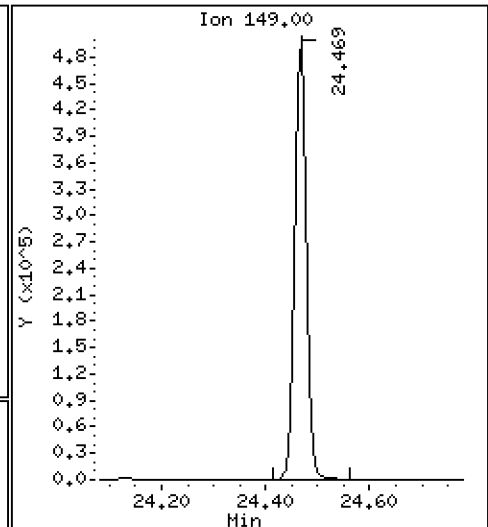
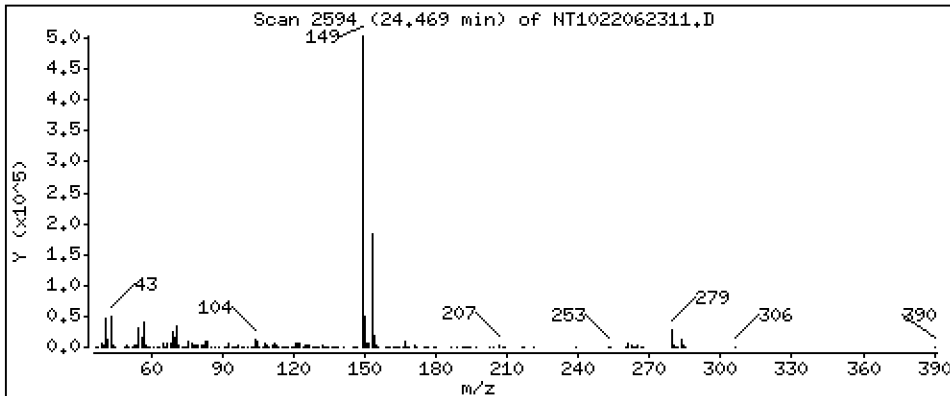
Operator: VTS

Column phase: ZB-5msi

Column diameter: 0,25

73 Di-n-octylphthalate

Concentration: 5,502 ug/mL



Date : 23-JUN-2022 15:20

Client ID:

Instrument: nt10.i

Sample Info: SKF0270-SCV1

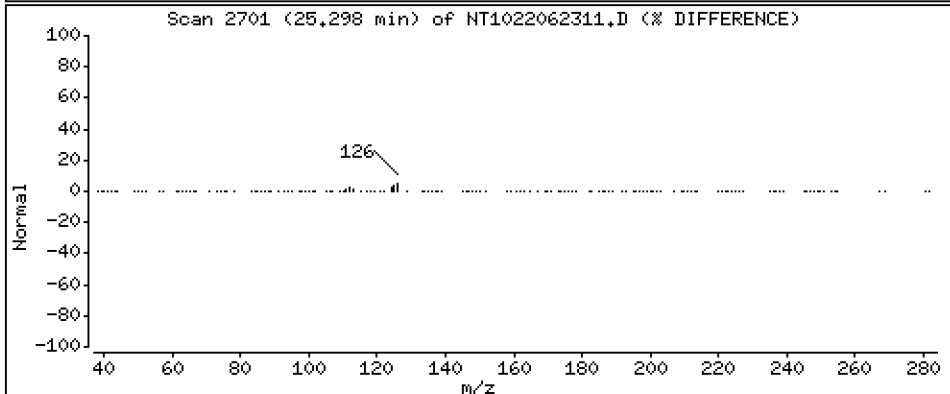
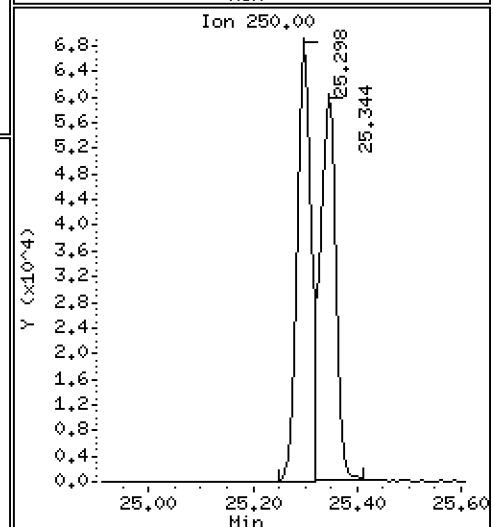
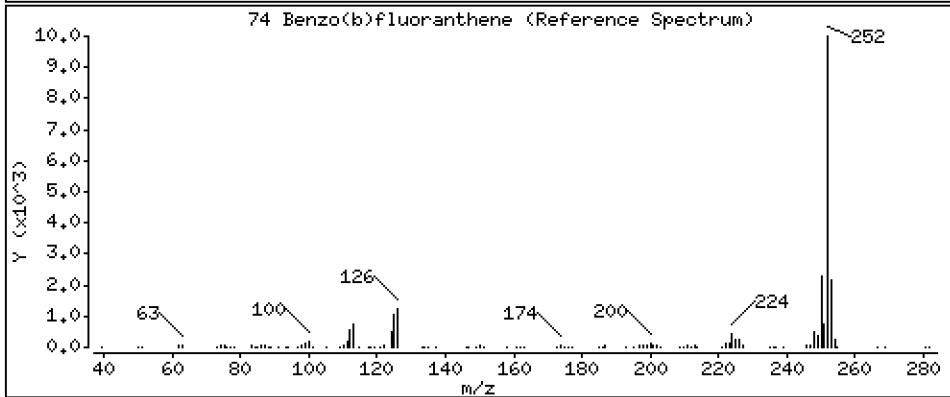
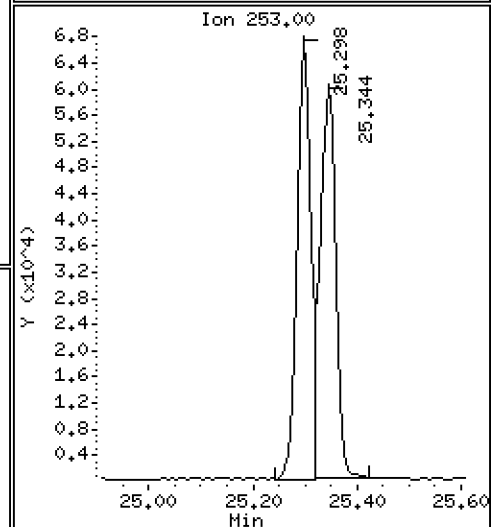
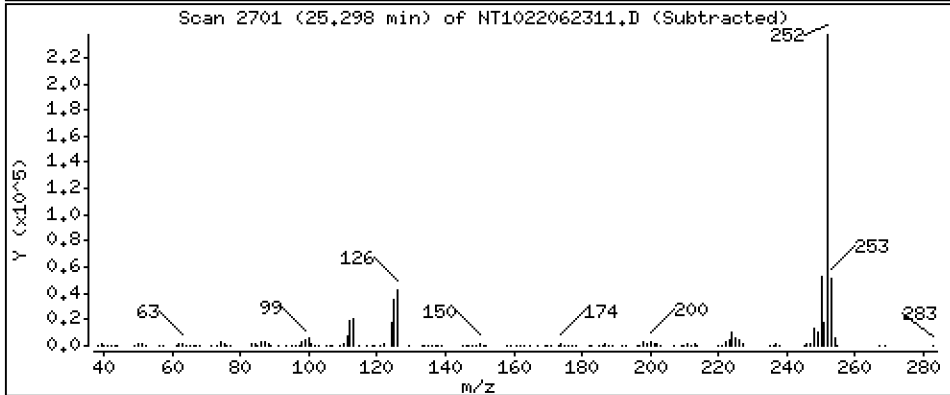
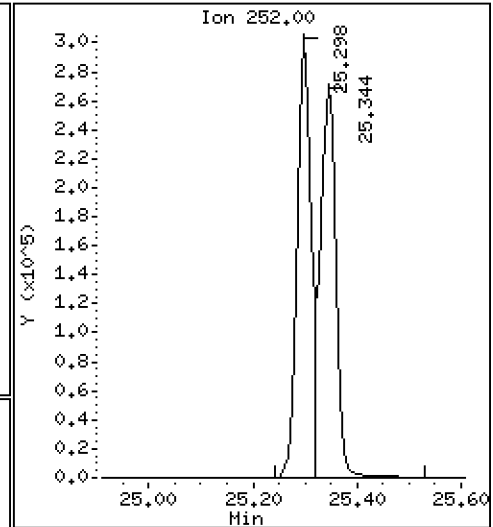
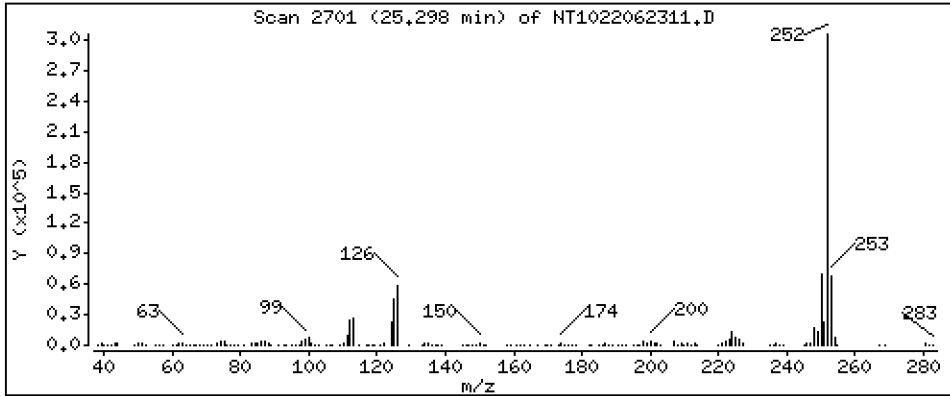
Operator: VTS

Column phase: ZB-5msi

Column diameter: 0,25

74 Benzo(b)fluoranthene

Concentration: 4,955 ug/mL



Date : 23-JUN-2022 15:20

Client ID:

Instrument: nt10.i

Sample Info: SKF0270-SCV1

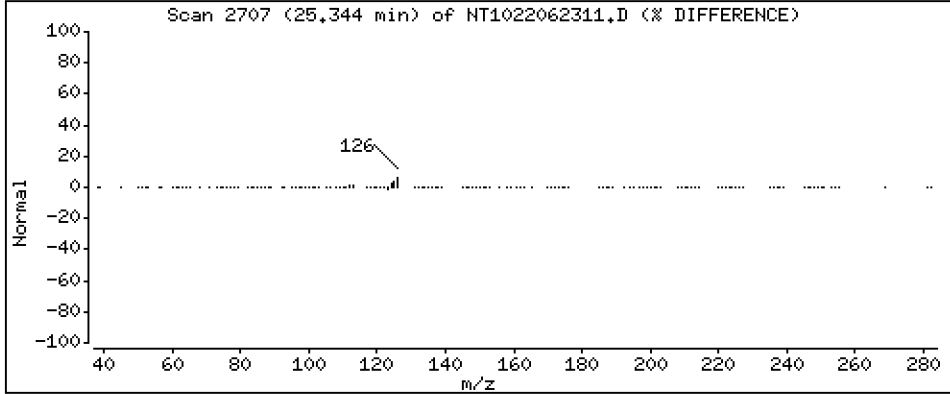
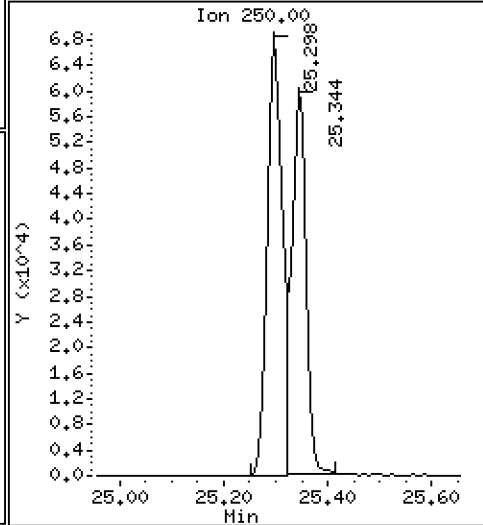
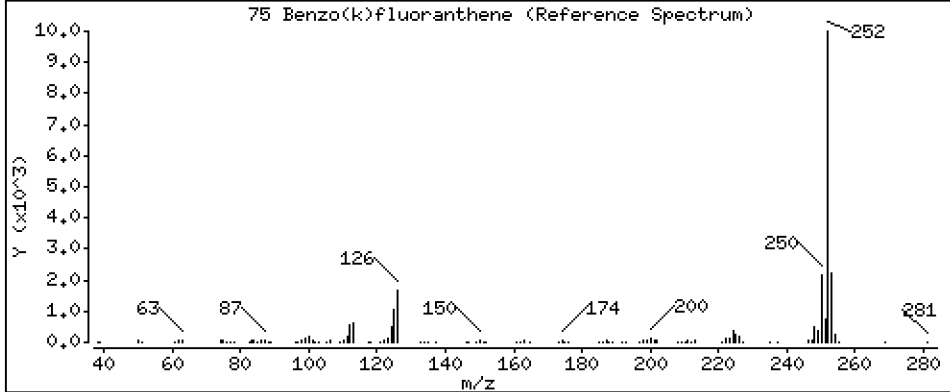
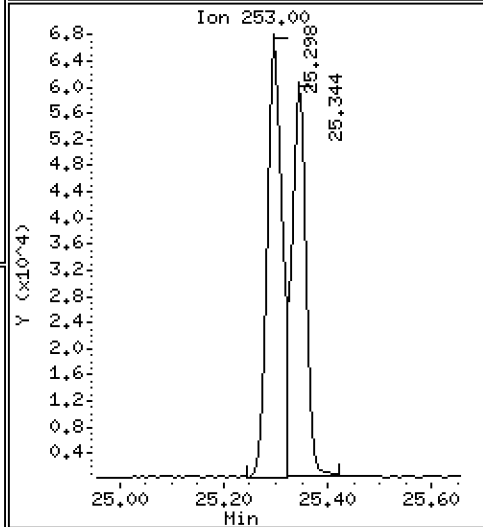
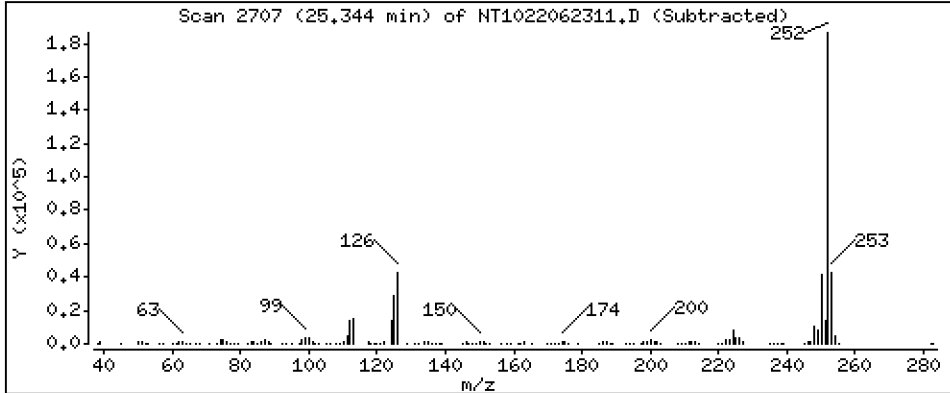
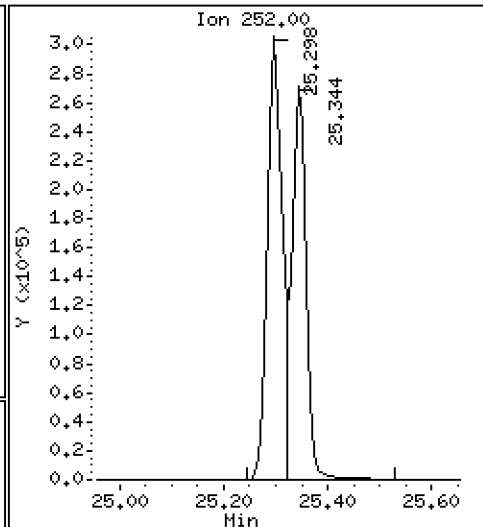
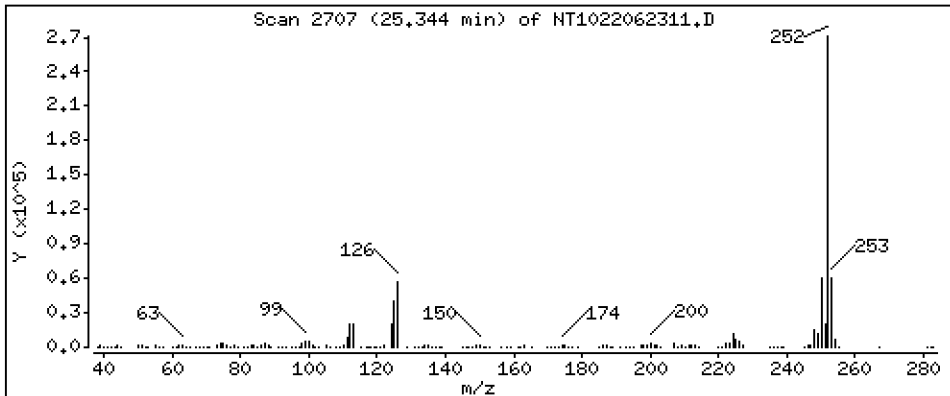
Operator: VTS

Column phase: ZB-5msi

Column diameter: 0,25

75 Benzo(k)fluoranthene

Concentration: 5,262 ug/mL



Date : 23-JUN-2022 15:20

Client ID:

Instrument: nt10.i

Sample Info: SKF0270-SCV1

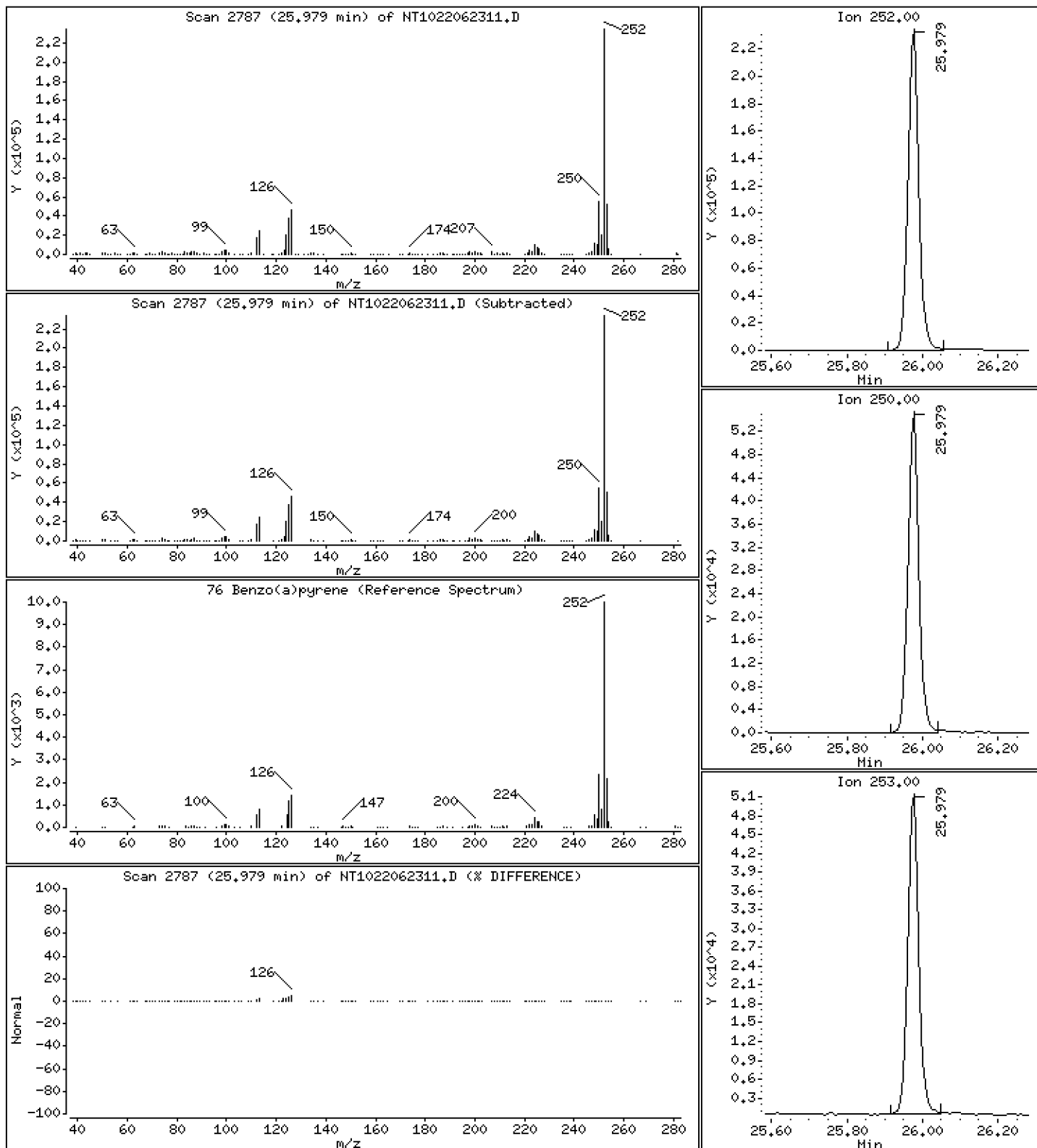
Operator: VTS

Column phase: ZB-5msi

Column diameter: 0,25

76 Benzo(a)pyrene

Concentration: 4,900 ug/mL



Date : 23-JUN-2022 15:20

Client ID:

Instrument: nt10.i

Sample Info: SKF0270-SCV1

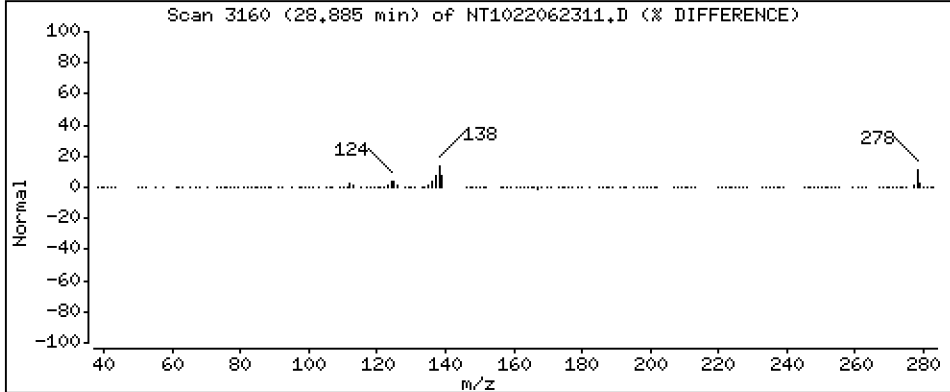
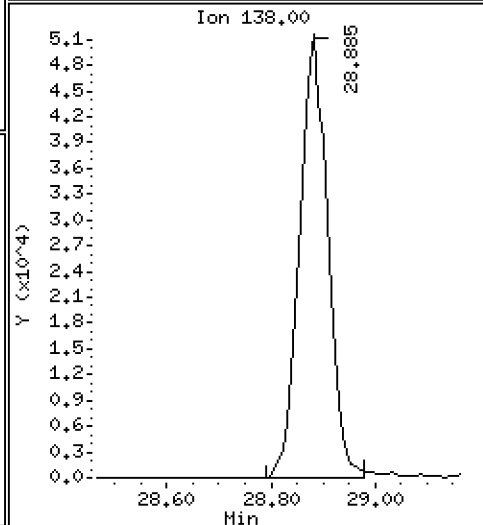
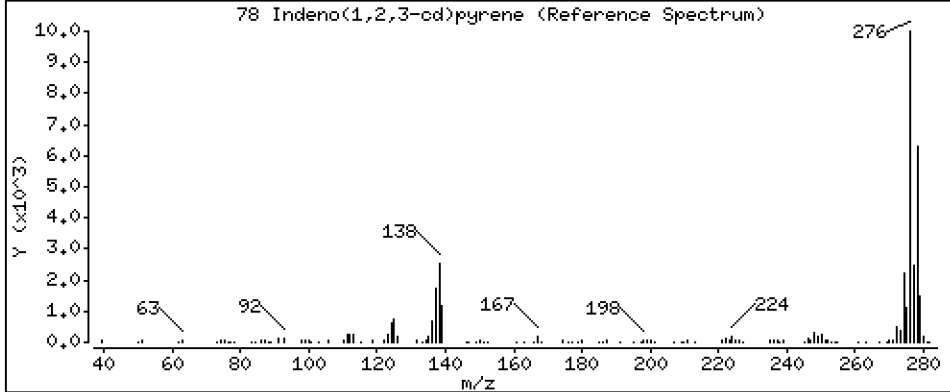
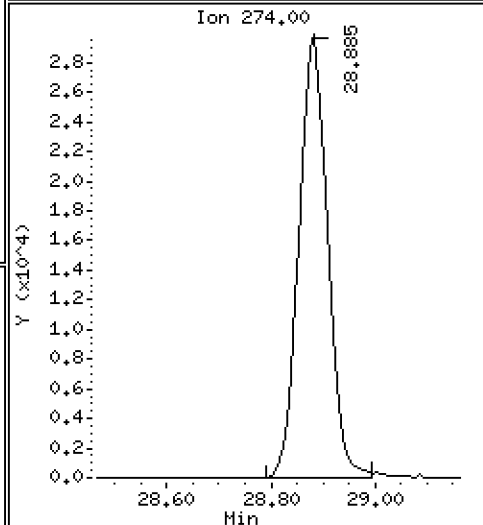
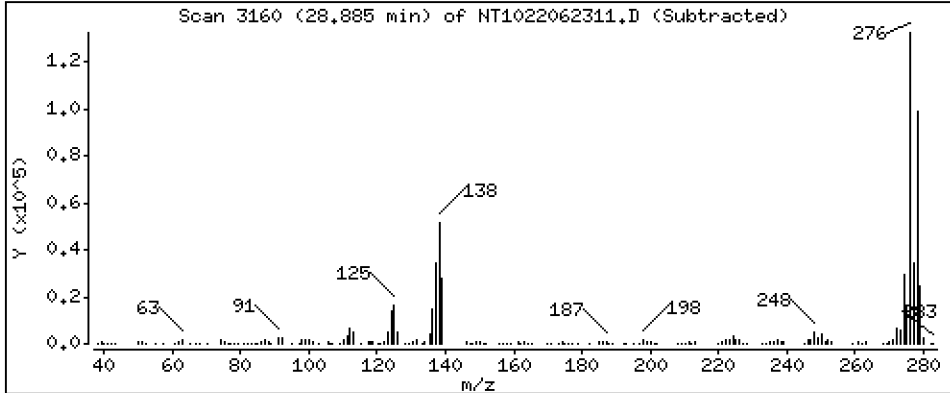
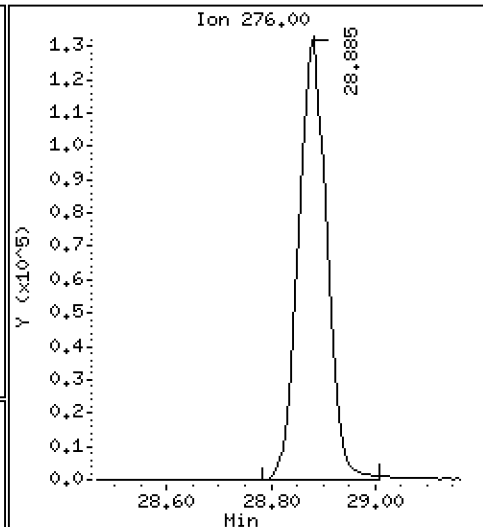
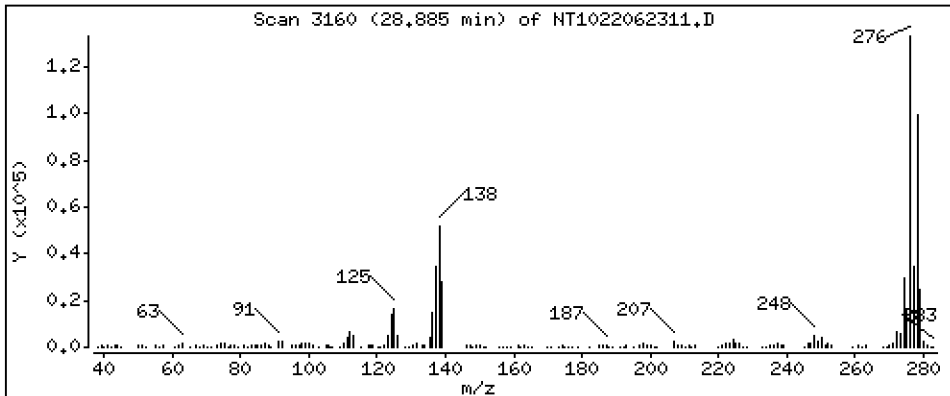
Operator: VTS

Column phase: ZB-5msi

Column diameter: 0,25

78 Indeno(1,2,3-cd)pyrene

Concentration: 4,763 ug/mL



Date : 23-JUN-2022 15:20

Client ID:

Instrument: nt10.i

Sample Info: SKF0270-SCV1

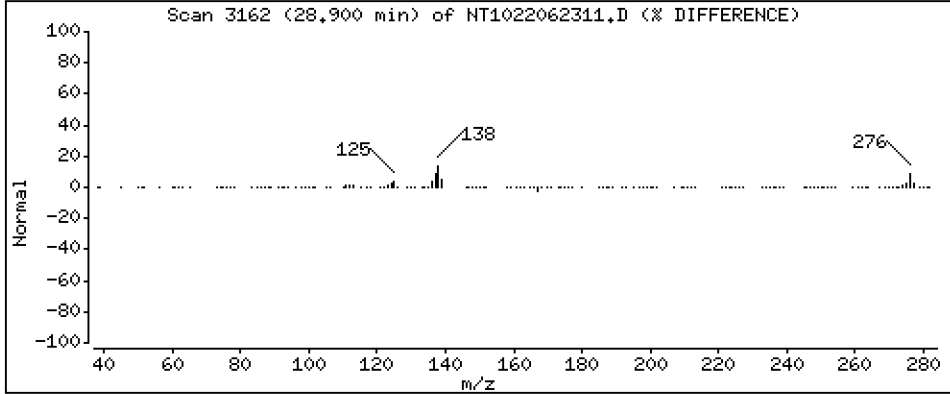
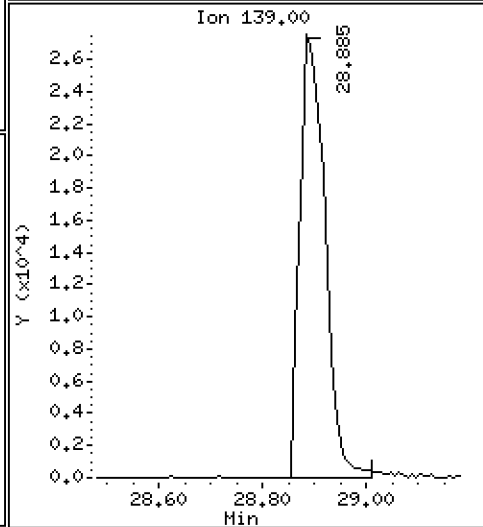
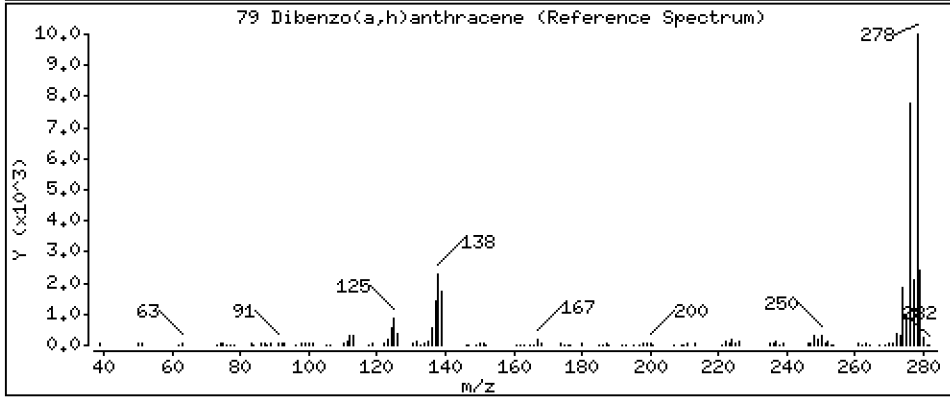
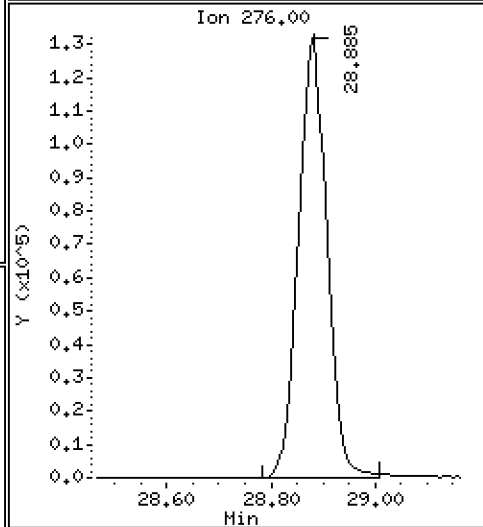
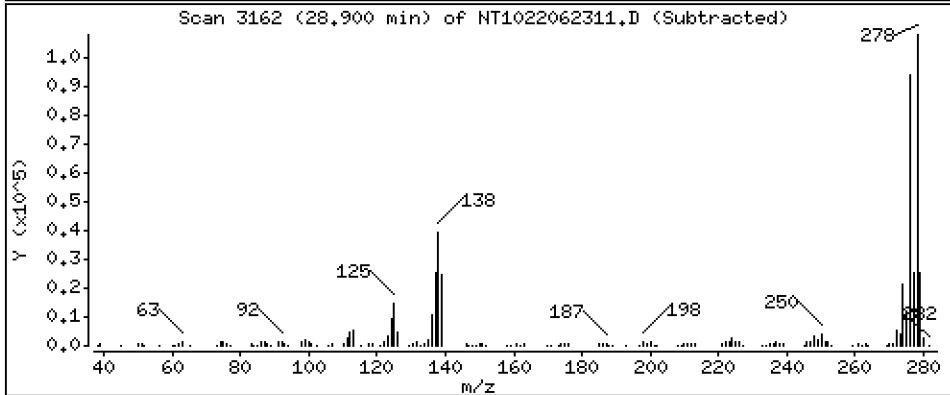
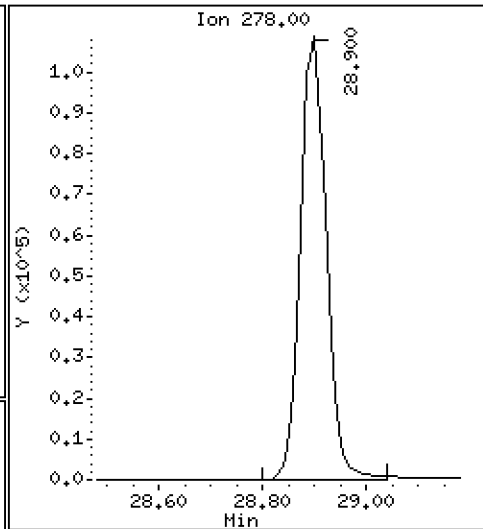
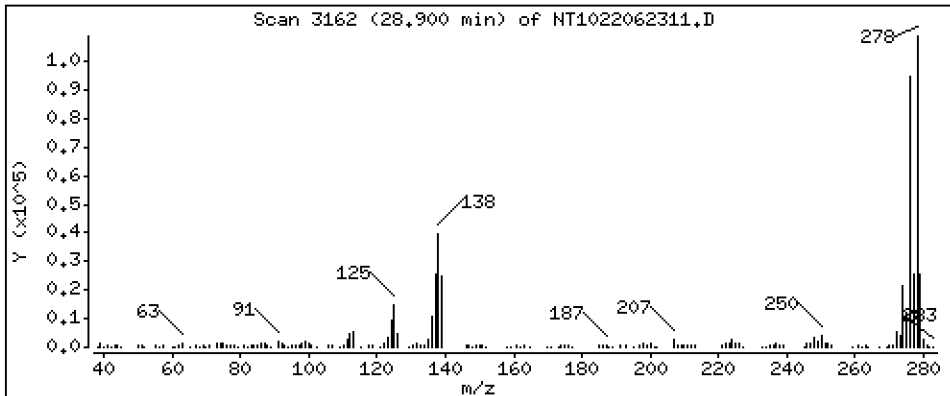
Operator: VTS

Column phase: ZB-5msi

Column diameter: 0,25

79 Dibenzo(a,h)anthracene

Concentration: 4,675 ug/mL



Date : 23-JUN-2022 15:20

Client ID:

Instrument: nt10.i

Sample Info: SKF0270-SCV1

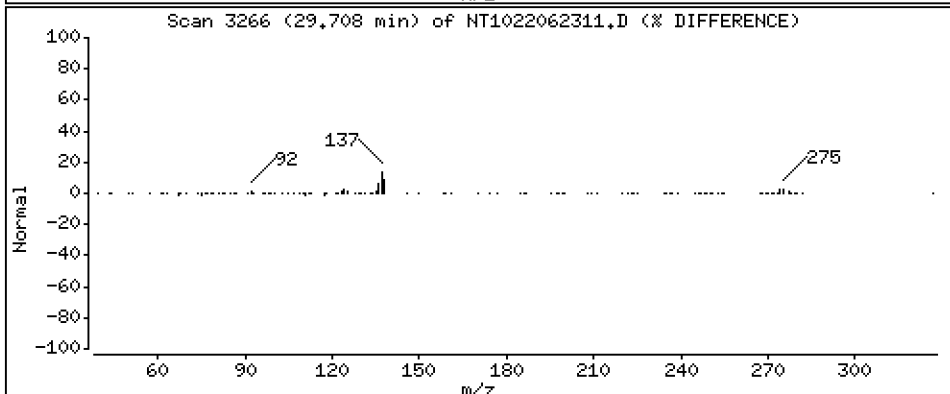
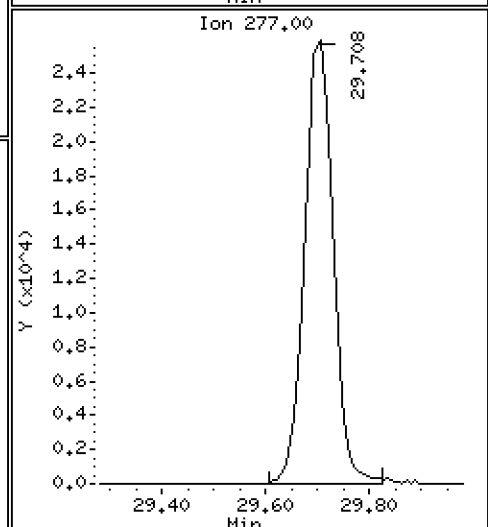
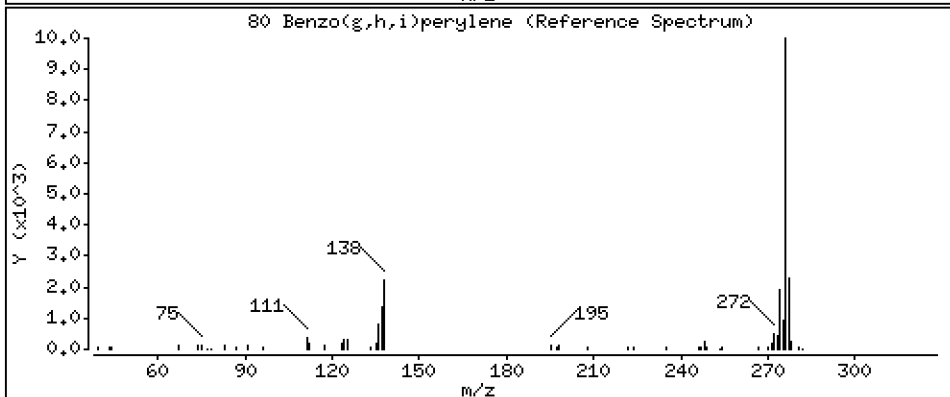
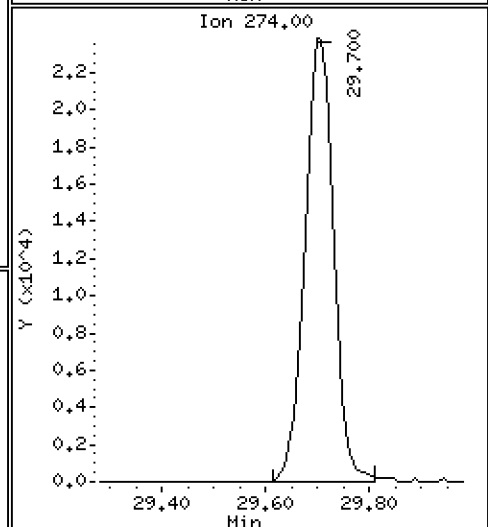
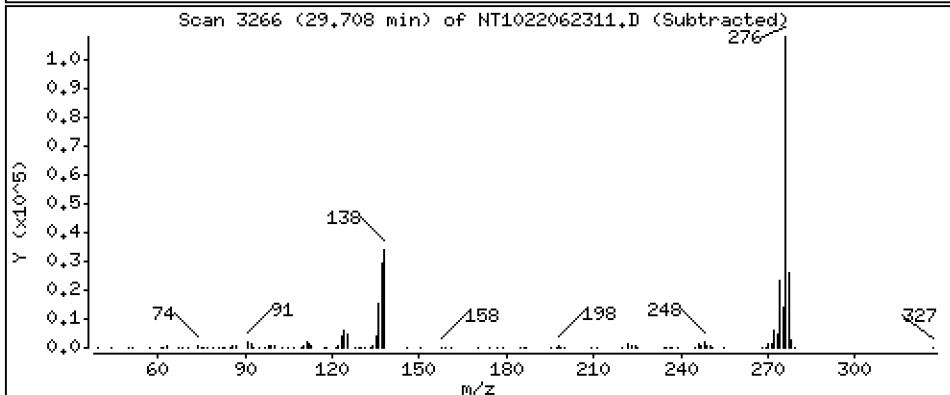
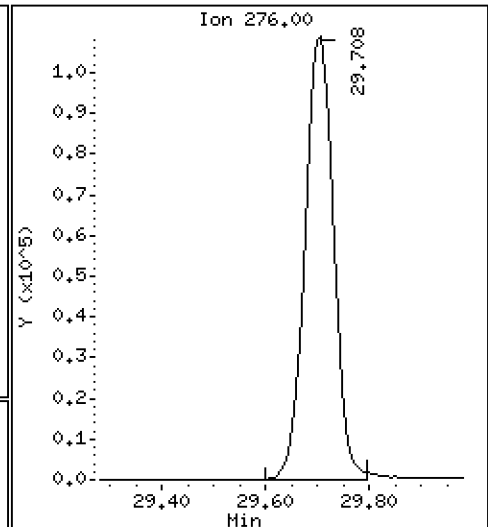
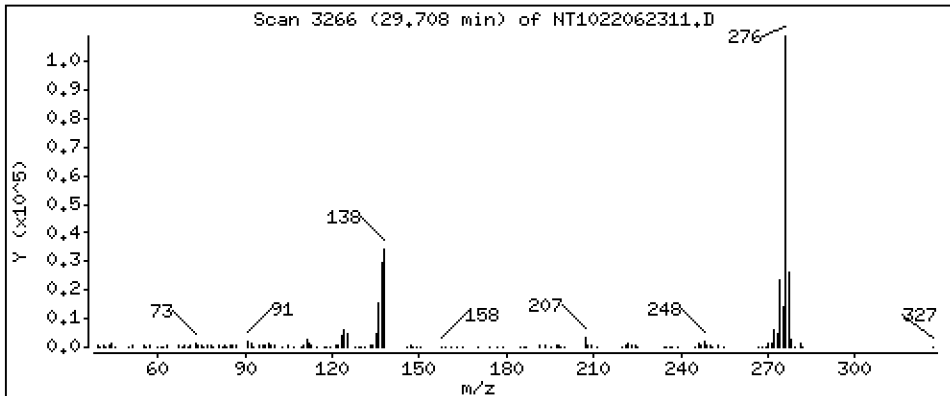
Operator: VTS

Column phase: ZB-5msi

Column diameter: 0,25

80 Benzo(g,h,i)perylene

Concentration: 4,912 ug/mL



Date : 23-JUN-2022 15:20

Client ID:

Instrument: nt10.i

Sample Info: SKF0270-SCV1

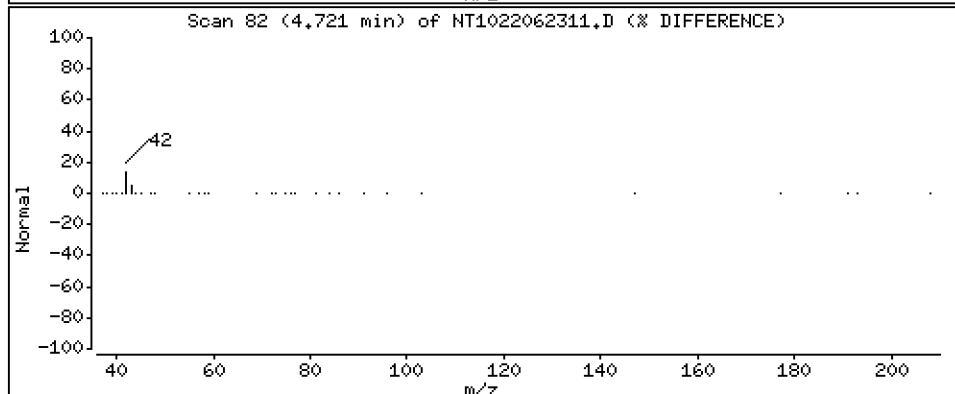
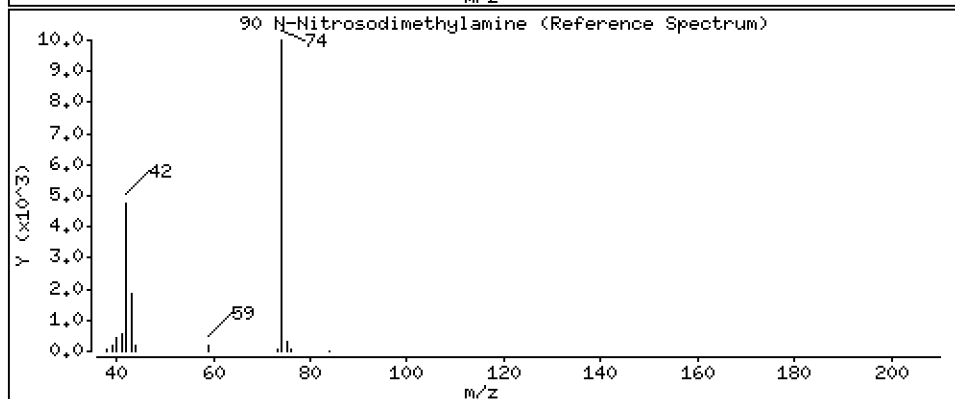
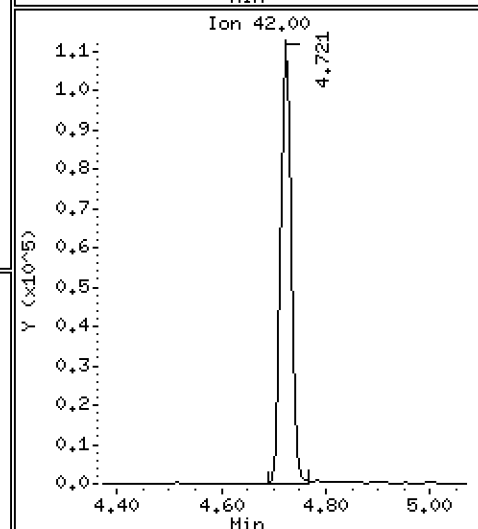
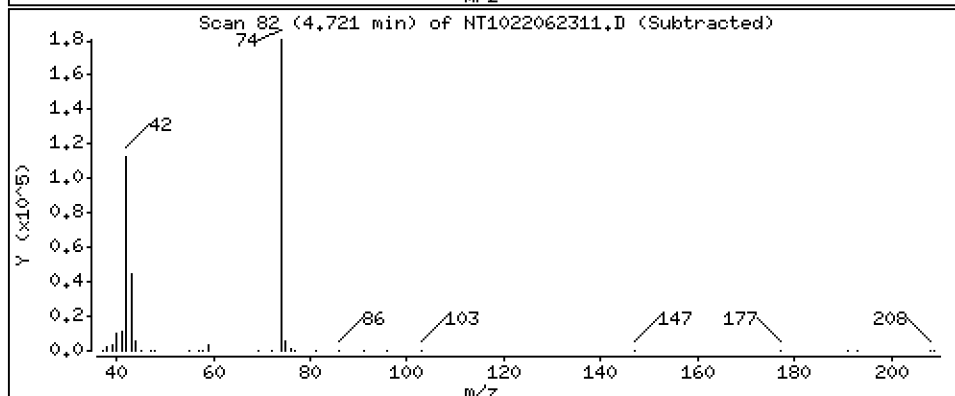
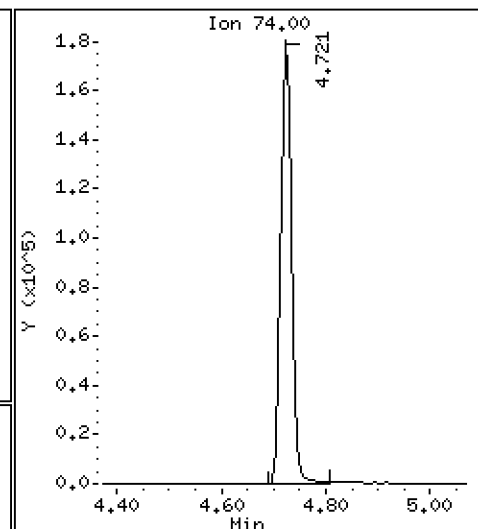
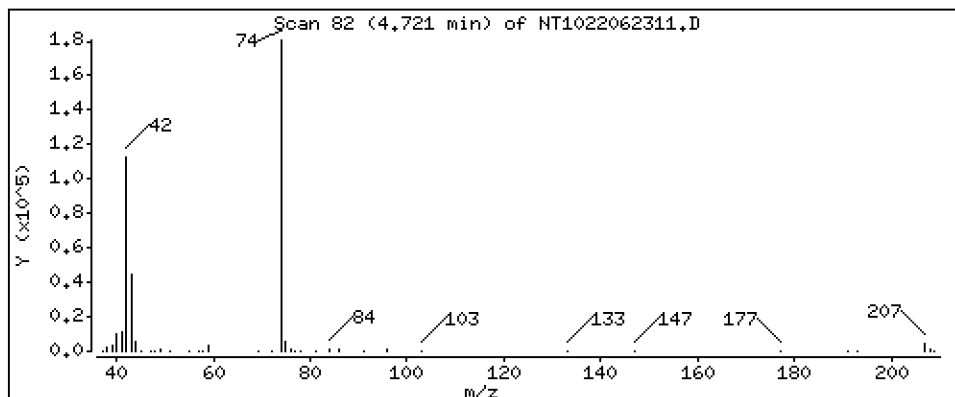
Operator: VTS

Column phase: ZB-5msi

Column diameter: 0,25

90 N-Nitrosodimethylamine

Concentration: 6,686 ug/mL



Date : 23-JUN-2022 15:20

Client ID:

Instrument: nt10.i

Sample Info: SKF0270-SCV1

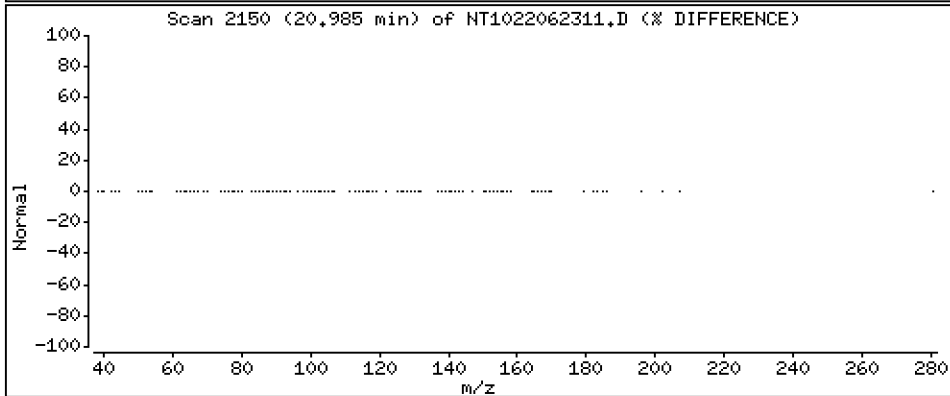
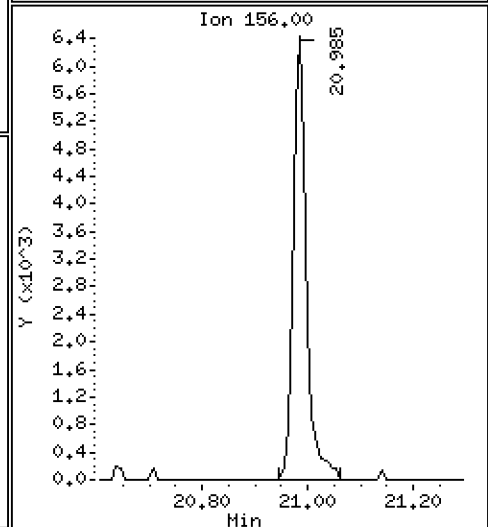
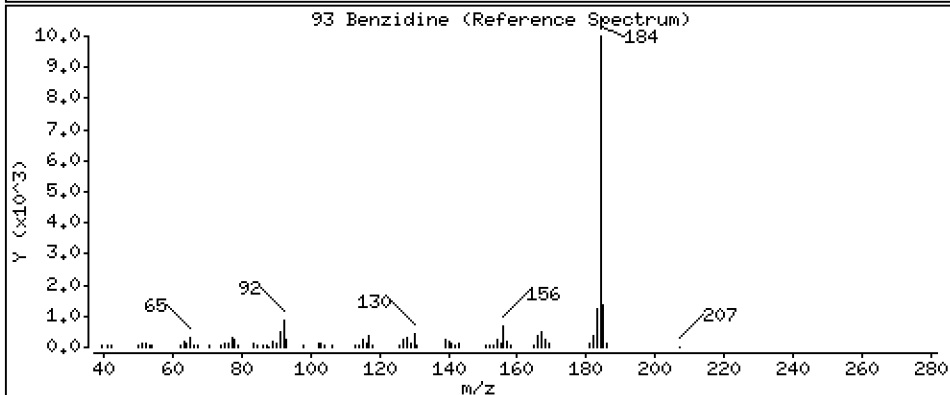
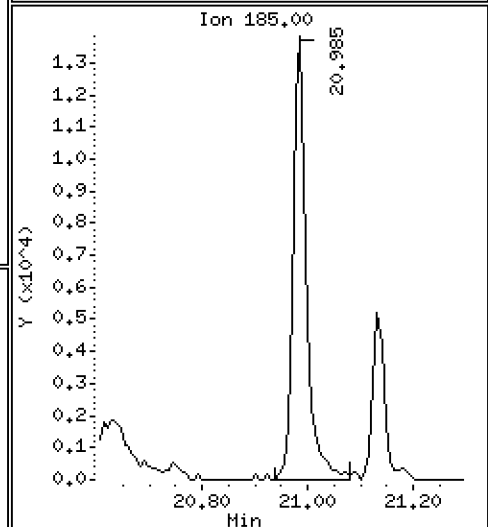
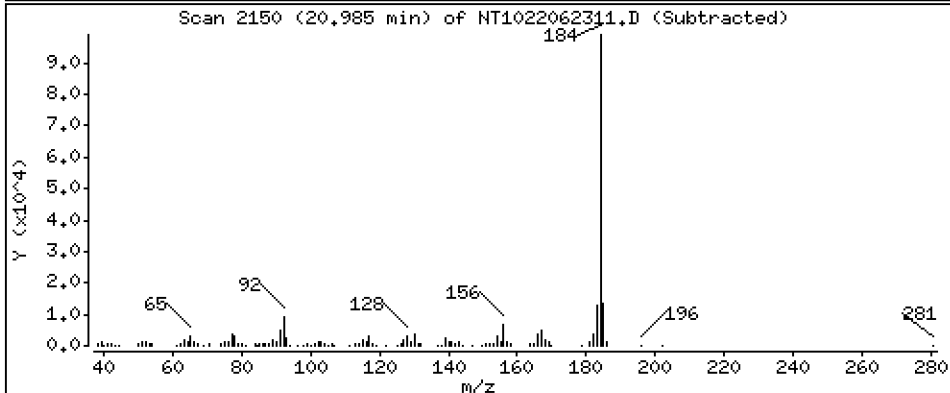
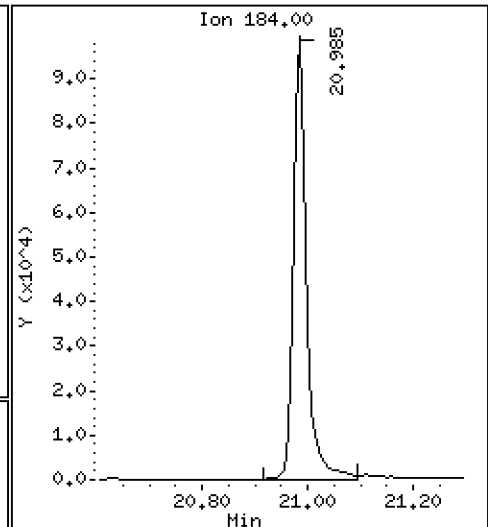
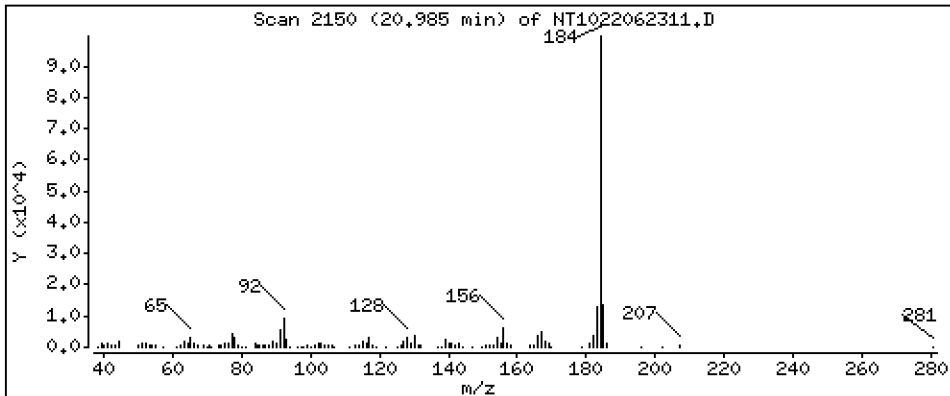
Operator: VTS

Column phase: ZB-5msi

Column diameter: 0,25

93 Benzidine

Concentration: 3,485 ug/mL



Date : 23-JUN-2022 15:20

Client ID:

Instrument: nt10.i

Sample Info: SKF0270-SCV1

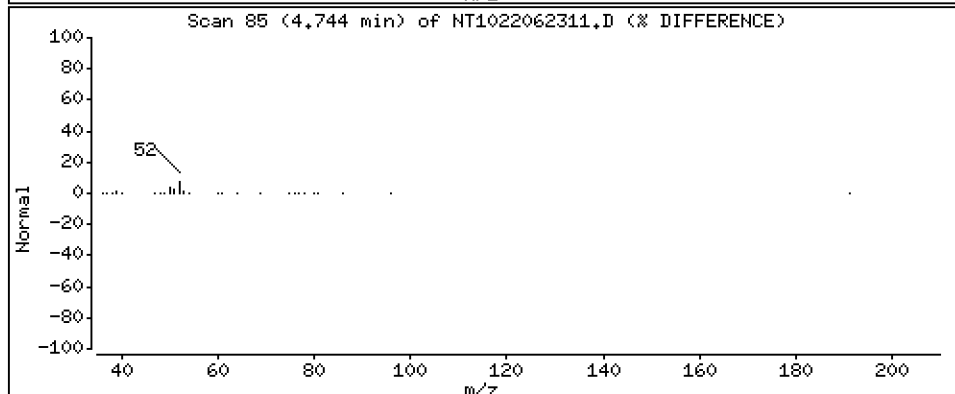
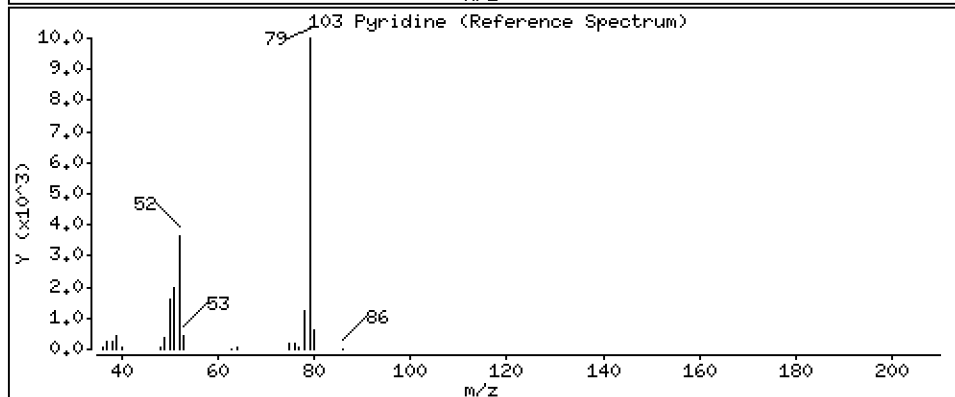
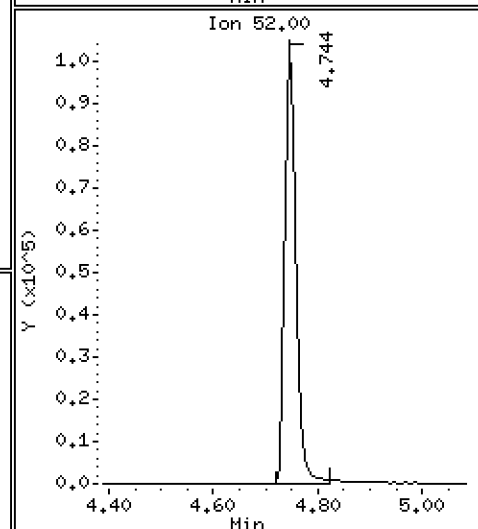
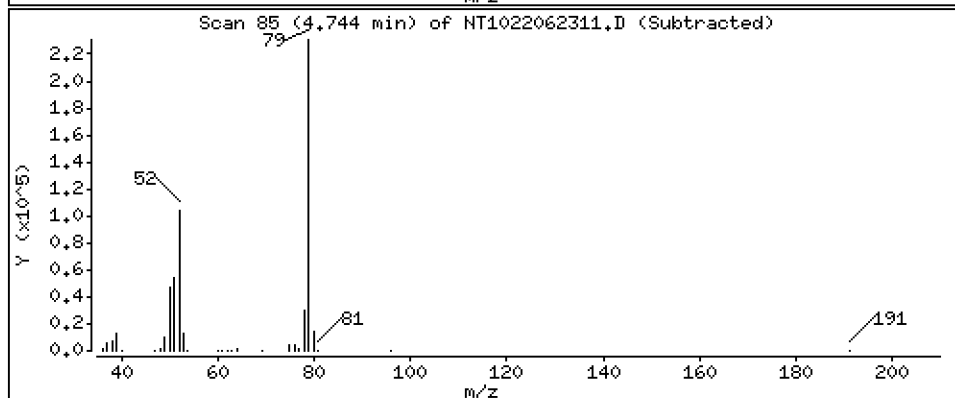
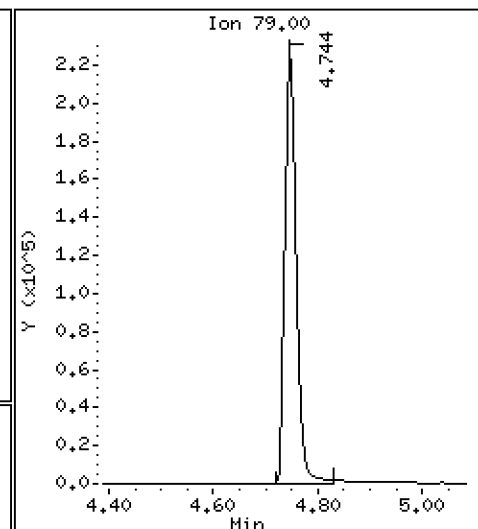
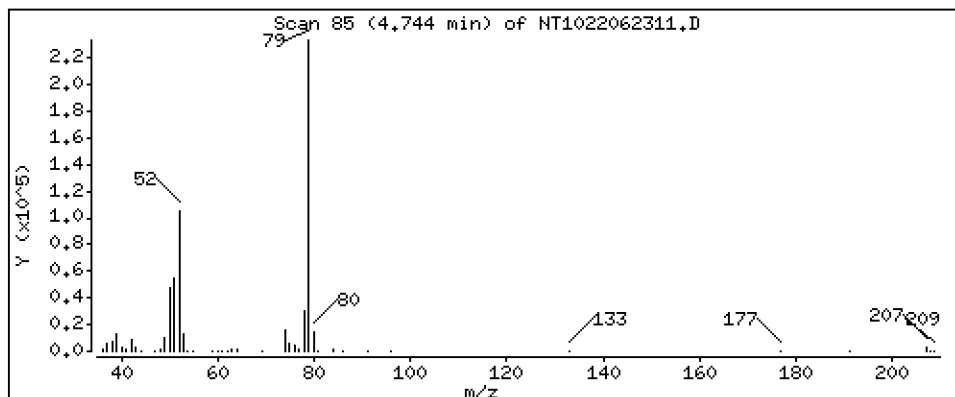
Operator: VTS

Column phase: ZB-5msi

Column diameter: 0,25

103 Pyridine

Concentration: 3,149 ug/mL



Date : 23-JUN-2022 15:20

Client ID:

Instrument: nt10.i

Sample Info: SKF0270-SCV1

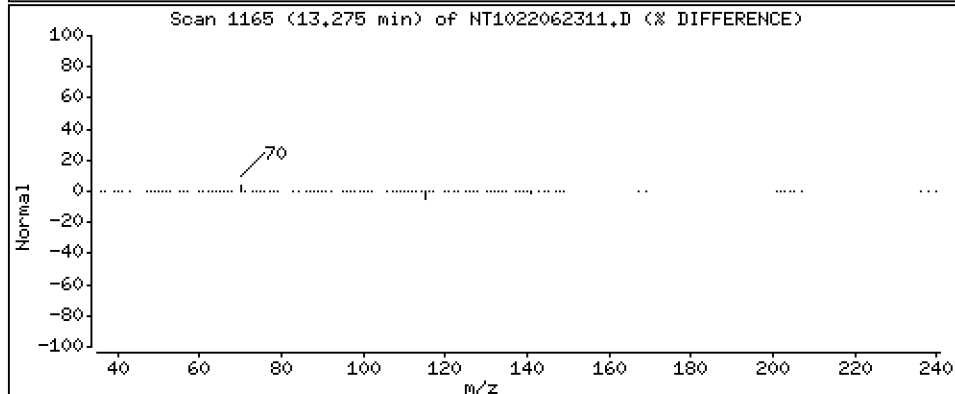
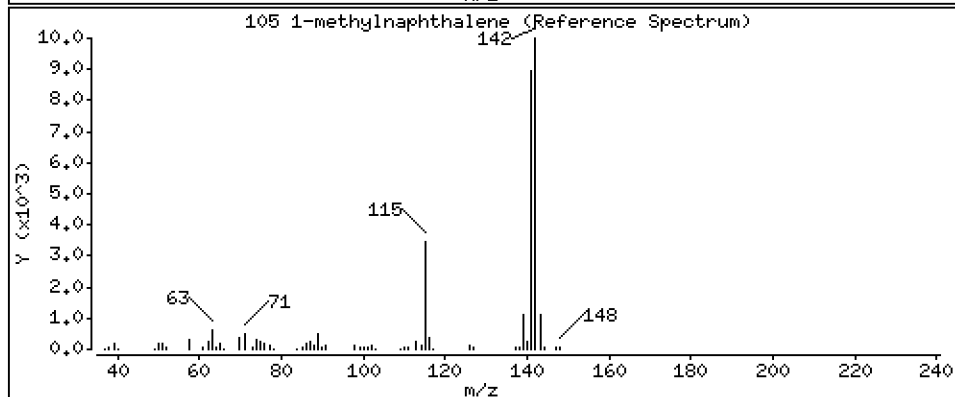
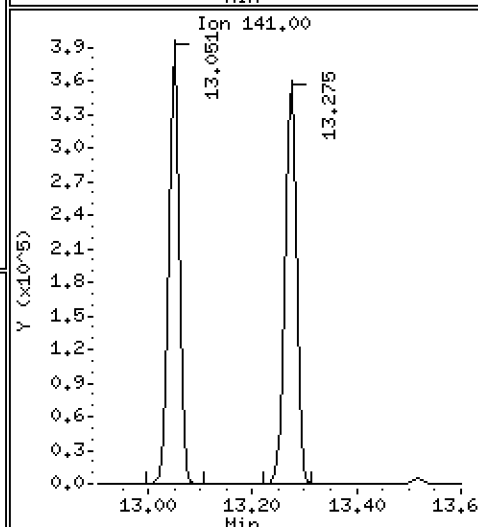
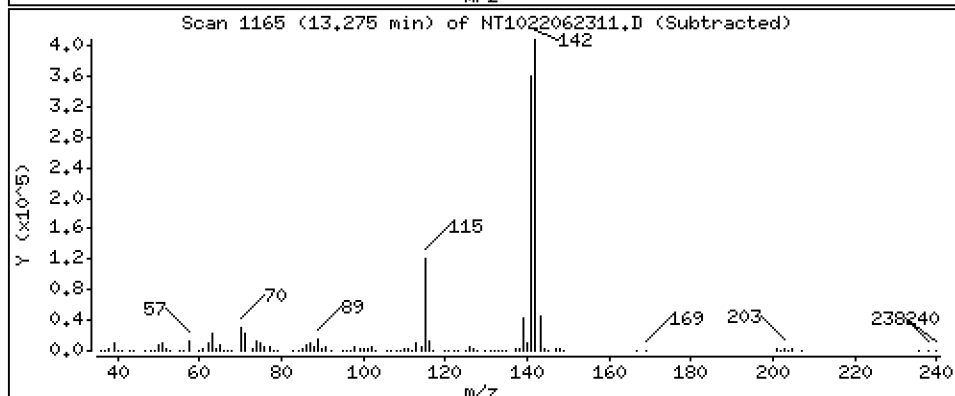
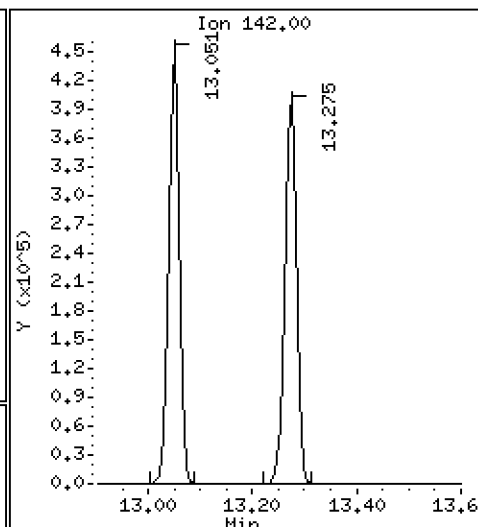
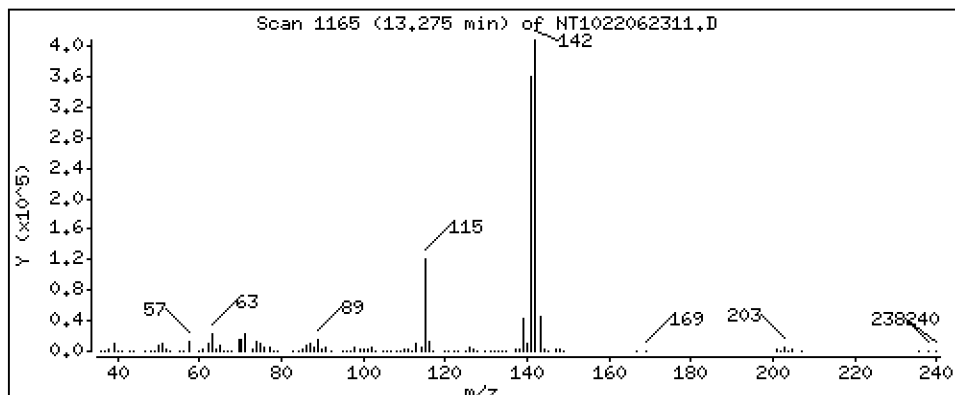
Operator: VTS

Column phase: ZB-5msi

Column diameter: 0,25

105 1-methylnaphthalene

Concentration: 5,162 ug/mL



Date : 23-JUN-2022 15:20

Client ID:

Instrument: nt10.i

Sample Info: SKF0270-SCV1

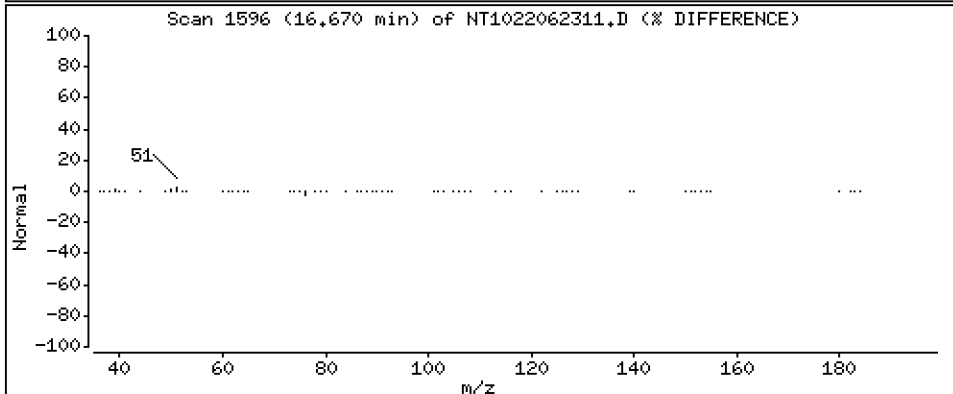
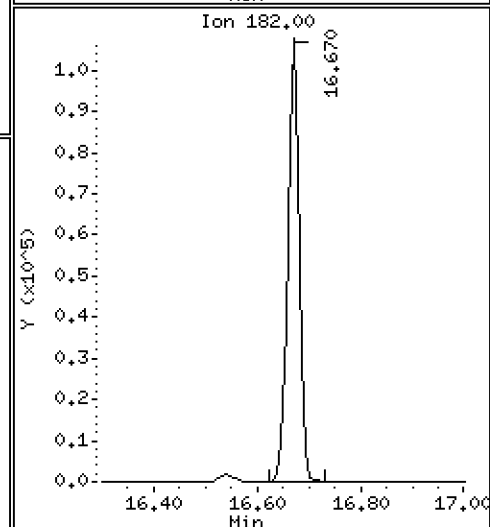
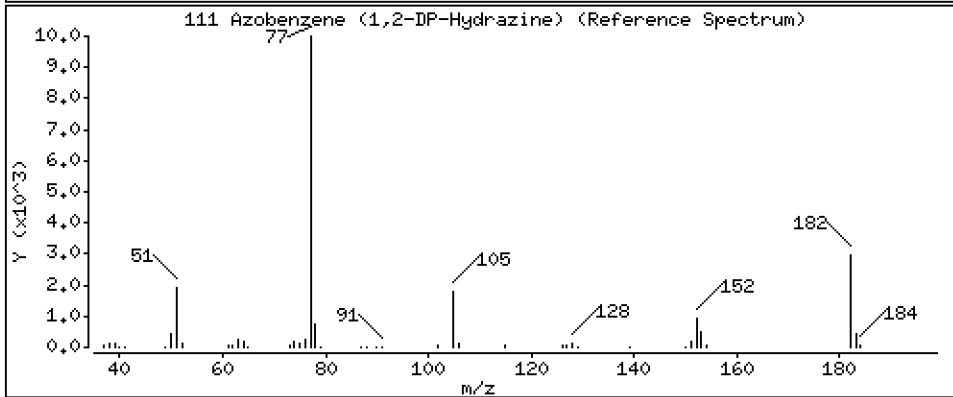
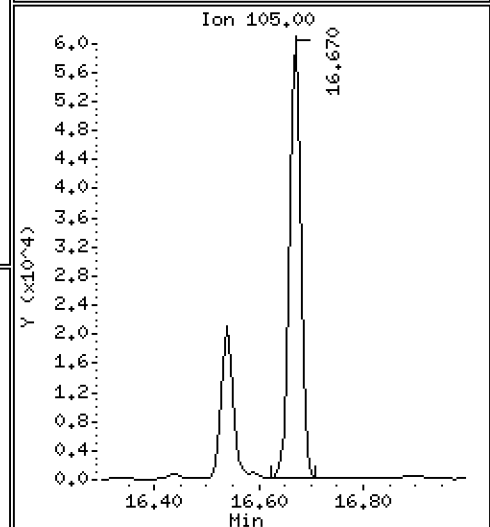
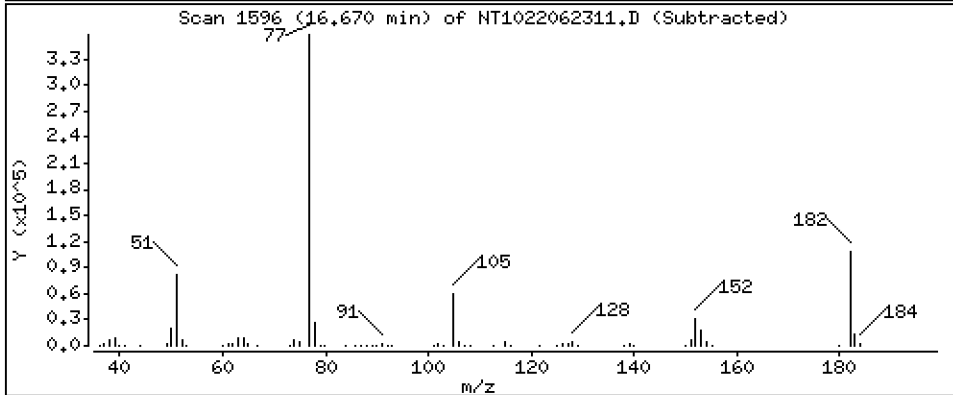
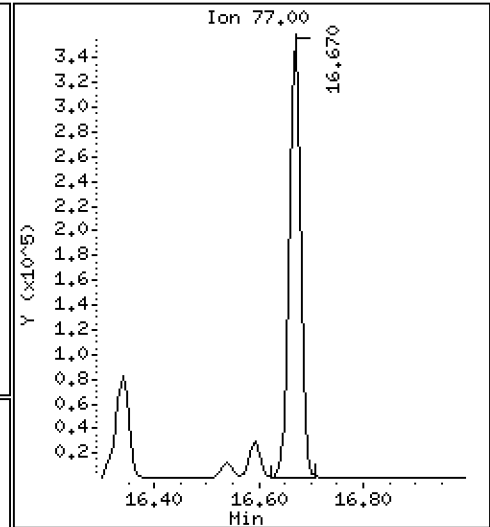
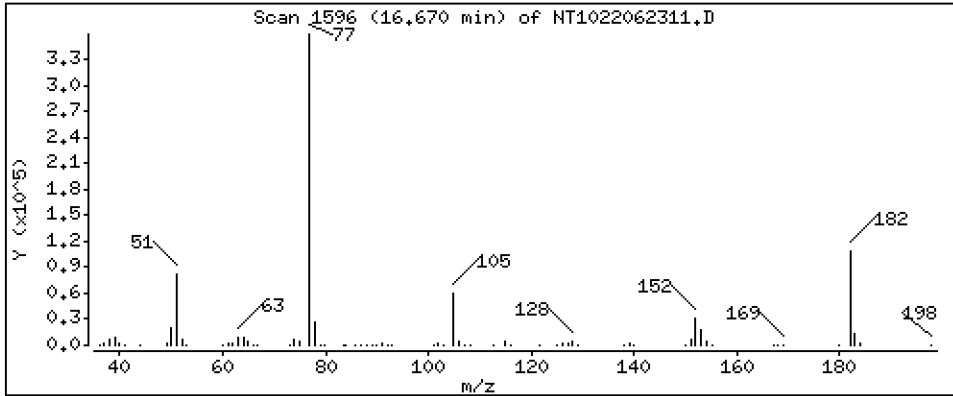
Operator: VTS

Column phase: ZB-5msi

Column diameter: 0,25

111 Azobenzene (1,2-DP-Hydrazine)

Concentration: 4,882 ug/mL



Date : 23-JUN-2022 15:20

Client ID:

Instrument: nt10.i

Sample Info: SKF0270-SCV1

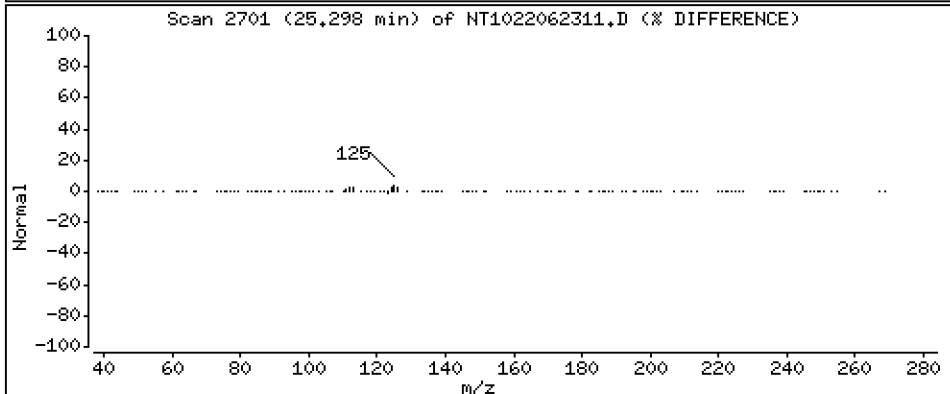
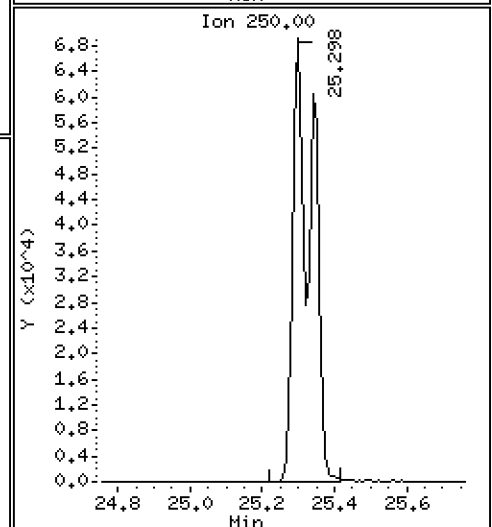
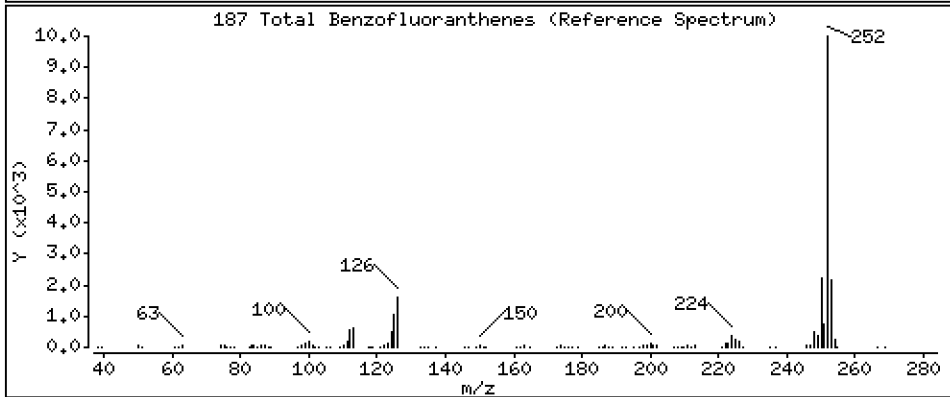
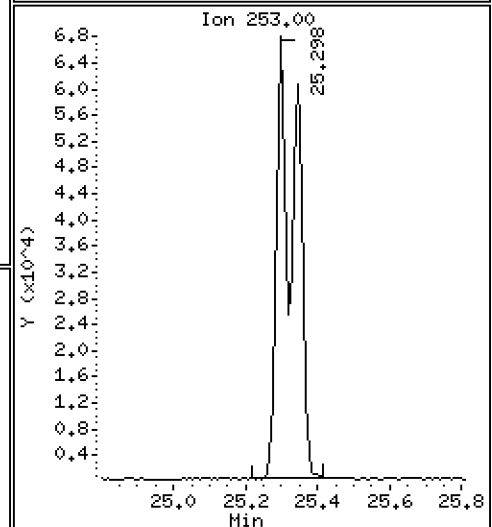
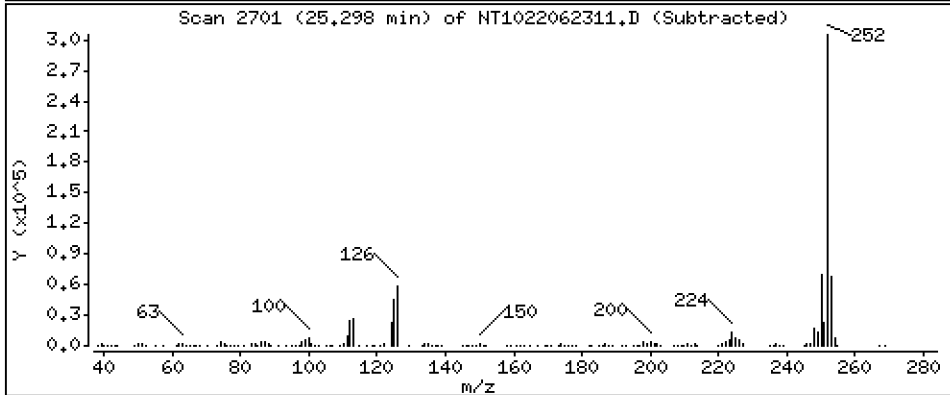
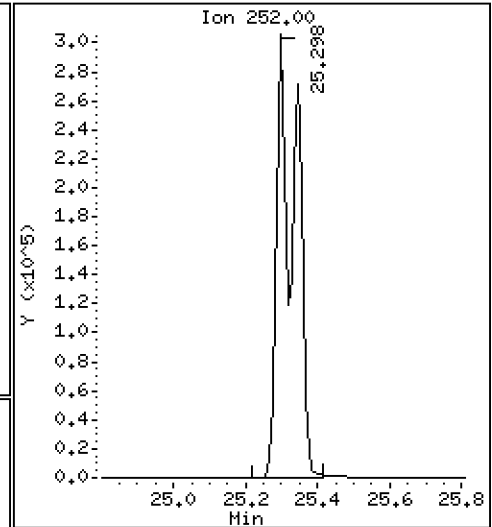
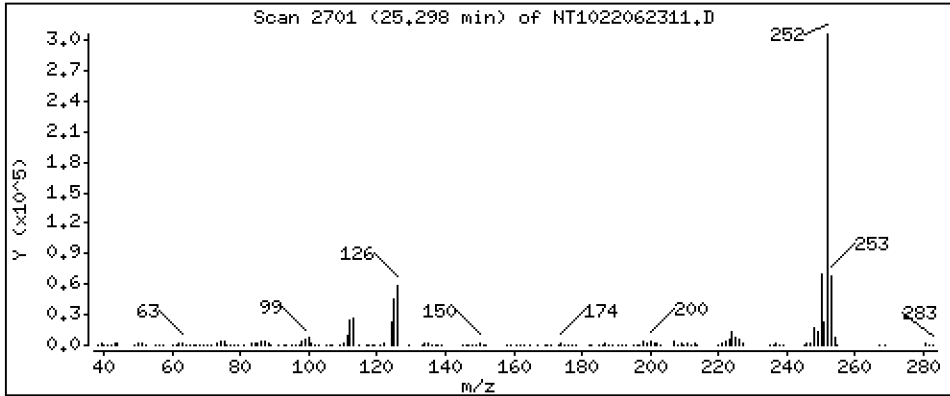
Operator: VTS

Column phase: ZB-5msi

Column diameter: 0,25

187 Total Benzofluoranthenes

Concentration: 9,832 ug/mL



Date : 23-JUN-2022 15:20

Client ID:

Instrument: nt10.i

Sample Info: SKF0270-SCV1

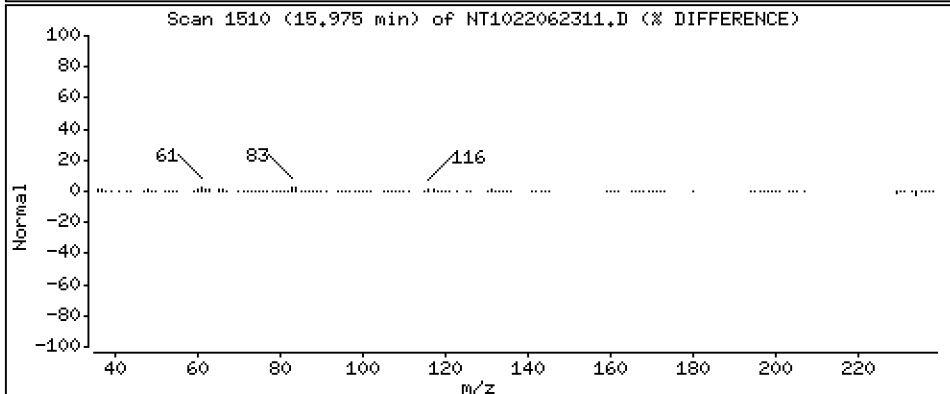
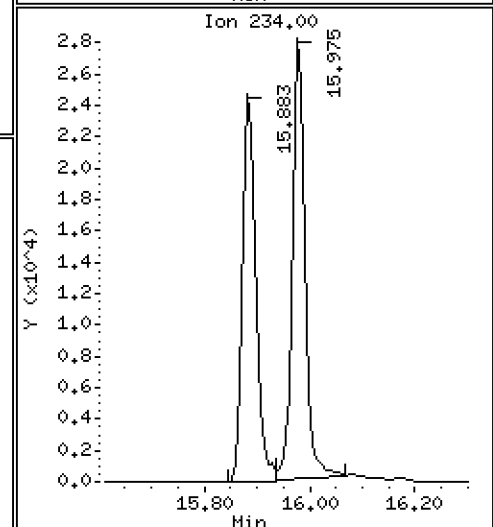
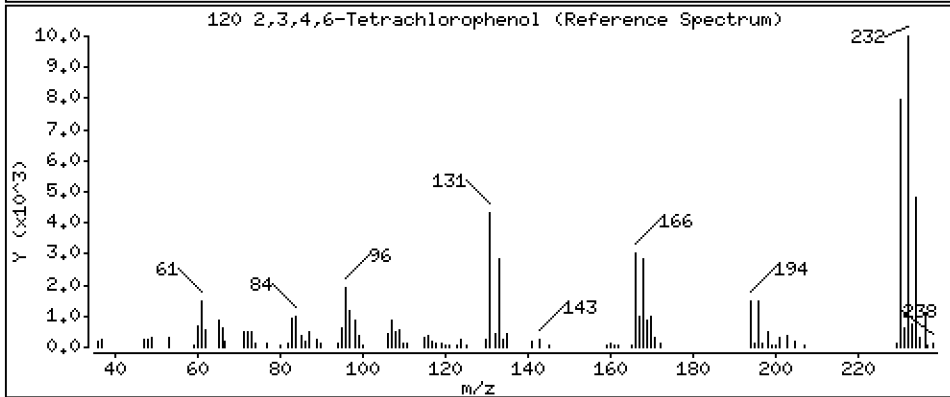
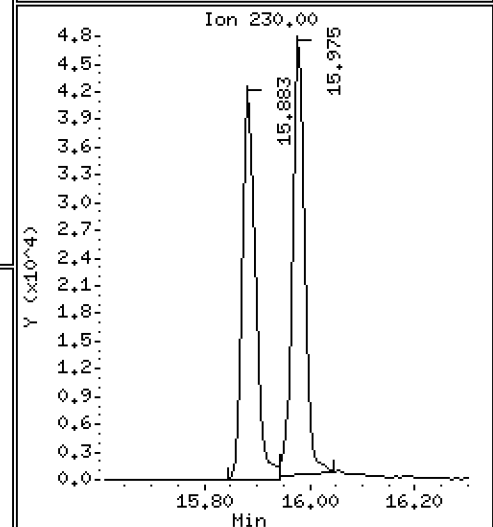
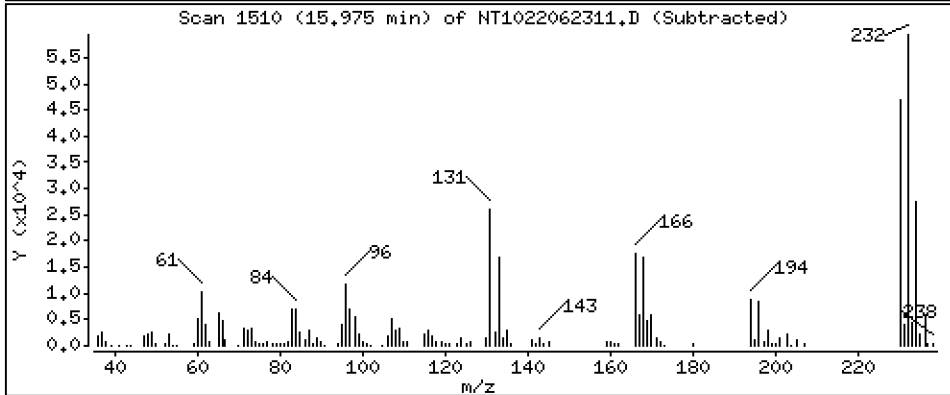
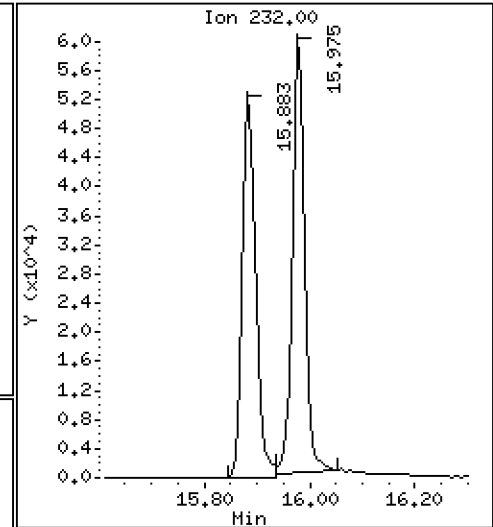
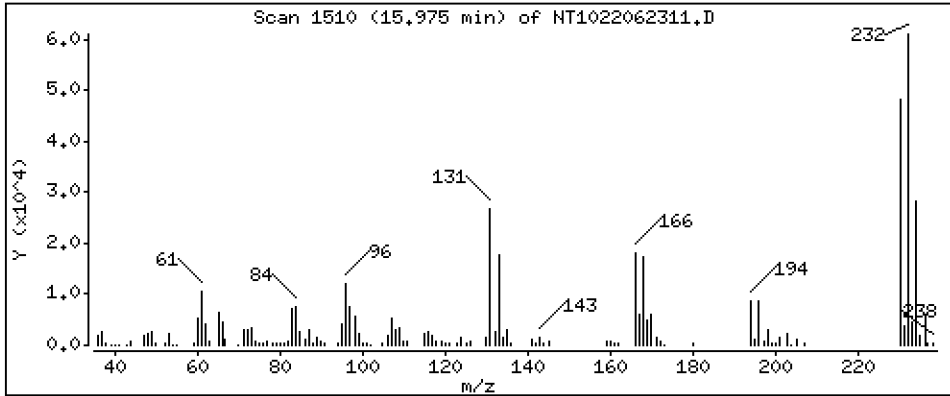
Operator: VTS

Column phase: ZB-5msi

Column diameter: 0,25

120 2,3,4,6-Tetrachlorophenol

Concentration: 4,000 ug/mL



ARI Labs, Inc.

Semivolatile Report SW846 Method 8270D

Data file : \\target\share\chem3\nt10.i\20220623.b\NT1022062311.D
 Lab Smp Id: SKF0270-SCV1
 Inj Date : 23-JUN-2022 15:20
 Operator : VTS
 Smp Info : SKF0270-SCV1
 Misc Info :
 Comment : 1ul Injection
 Method : \\target\share\chem3\nt10.i\20220623.b\ABN.m
 Meth Date : 24-Jun-2022 08:38 yev
 Cal Date : 23-JUN-2022 13:07
 Als bottle: 11
 Dil Factor: 1.00000
 Integrator: HP RTE
 Target Version: 4.14
 Processing Host: ORGDATA102

Inst ID: nt10.i

Quant Type: ISTD
 Cal File: NT1022062308.D

Compound Sublist: ICAL.sub

Compounds	QUANT	SIG	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS	
							ON-COLUMN	FINAL
	MASS						(ug/mL)	(ug/mL)
\$ 1 2-Fluorophenol	112		6.898	6.891	(0.757)	447953	8.01867	8.019
\$ 2 Phenol-d5	99		8.482	8.475	(0.930)	653204	7.88040	7.880
3 Phenol	94		8.506	8.498	(0.933)	370864	5.13458	5.135
\$ 5 2-Chlorophenol-d4	132		8.753	8.745	(0.960)	431694	7.58399	7.584
4 Bis(2-Chloroethyl)ether	93		8.660	8.645	(0.950)	301080	5.79201	5.792
6 2-Chlorophenol	128		8.784	8.776	(0.963)	299371	5.19893	5.199
7 1,3-Dichlorobenzene	146		9.055	9.039	(0.993)	312260	5.01369	5.014
* 8 1,4-Dichlorobenzene-d4	152		9.117	9.101	(1.000)	152987	4.00000	
9 1,4-Dichlorobenzene	146		9.148	9.132	(1.003)	260034	5.29668	5.297
\$ 10 1,2-Dichlorobenzene-d4	152		9.474	9.466	(1.039)	174442	4.97336	4.973
12 1,2-Dichlorobenzene	146		9.505	9.489	(1.043)	265143	5.08744	5.087
11 Benzyl alcohol	108		9.380	9.373	(1.029)	157701	5.48088	5.481
14 2,2'-oxybis(1-Chloropropane)	121		9.683	9.676	(1.062)	87054	7.06310	7.063
13 2-Methylphenol	108		9.613	9.606	(1.054)	197804	4.44171	4.442
17 Hexachloroethane	117		10.095	10.079	(1.107)	115905	5.29620	5.296
16 N-Nitroso-di-n-propylamine	70		9.939	9.924	(1.090)	158444	5.11579	5.116
15 4-Methylphenol	108		9.893	9.877	(1.085)	218560	4.59234	4.592
\$ 18 Nitrobenzene-d5	82		10.203	10.196	(0.879)	266032	4.94671	4.947
19 Nitrobenzene	77		10.242	10.227	(0.883)	278529	5.13849	5.138
20 Isophorone	82		10.684	10.677	(0.921)	581184	7.41183	7.412
21 2-Nitrophenol	139		10.876	10.859	(0.937)	175569	5.12801	5.128
22 2,4-Dimethylphenol	107		10.936	10.919	(0.942)	196968	4.73580	4.736
23 Bis(2-Chloroethoxy)methane	93		11.123	11.106	(0.959)	270186	5.73516	5.735
24 Benzoic acid	105		11.106	11.140	(0.957)	143508	6.62128	6.621
25 2,4-Dichlorophenol	162		11.335	11.326	(0.977)	234378	5.54474	5.545
26 1,2,4-Trichlorobenzene	180		11.519	11.504	(0.993)	221798	4.88841	4.888
* 27 Naphthalene-d8	136		11.604	11.589	(1.000)	505418	4.00000	
28 Naphthalene	128		11.643	11.635	(1.003)	639883	4.94683	4.947
29 4-Chloroaniline	127		11.774	11.758	(1.015)	265378	4.64633	4.646
30 Hexachlorobutadiene	225		12.006	11.990	(1.035)	115567	5.33913	5.339
31 4-Chloro-3-methylphenol	107		12.756	12.741	(1.099)	244559	4.85270	4.853
32 2-Methylnaphthalene	142		13.050	13.035	(1.125)	670266	5.21373	5.214
33 Hexachlorocyclopentadiene	237		13.515	13.499	(0.887)	55412	3.32629	3.326

Compounds	QUANT SIG				CONCENTRATIONS			
	MASS	RT	EXP RT	REL RT	RESPONSE	ON-COLUMN (ug/mL)	FINAL (ug/mL)	
34 2,4,6-Trichlorophenol	196	13.677	13.662	(0.898)	170978	5.24236	5.242	
35 2,4,5-Trichlorophenol	196	13.755	13.739	(0.903)	172769	4.42727	4.427	
36 2-Fluorobiphenyl	172	13.832	13.817	(0.908)	683222	5.26116	5.261	
37 2-Chloronaphthalene	162	14.049	14.033	(0.922)	625328	5.46235	5.462	
38 2-Nitroaniline	65	14.304	14.289	(0.939)	163591	5.34222	5.342	
39 Dimethylphthalate	163	14.738	14.714	(0.967)	500509	4.97347	4.973	
40 Acenaphthylene	152	14.923	14.908	(0.980)	750906	4.47637	4.476	
41 2,6-Dinitrotoluene	165	14.877	14.862	(0.977)	122846	5.25597	5.256	
42 Acenaphthene-d10	164	15.233	15.217	(1.000)	286969	4.00000		
43 3-Nitroaniline	138	15.163	15.148	(0.995)	147993	5.37872	5.379	
44 Acenaphthene	153	15.302	15.287	(1.005)	412233	4.93939	4.939	
45 2,4-Dinitrophenol	184	15.380	15.364	(1.010)	21043	2.02332	2.023	
46 Dibenzofuran	168	15.635	15.619	(1.026)	708335	5.34049	5.340	
47 4-Nitrophenol	109	15.511	15.488	(1.018)	40185	4.43466	4.435	
48 2,4-Dinitrotoluene	165	15.689	15.673	(1.030)	165818	5.30810	5.308	
50 Diethylphthalate	149	16.199	16.184	(1.063)	463792	5.37240	5.372	
49 Fluorene	166	16.354	16.331	(1.074)	728048	4.59382	4.594	
51 4-Chlorophenyl-phenylether	204	16.338	16.323	(1.073)	376282	5.40653	5.407	
52 4-Nitroaniline	138	16.439	16.423	(1.079)	140376	5.09381	5.094	
53 4,6-Dinitro-2-methylphenol	198	16.539	16.523	(0.904)	85433	4.31421	4.314	
54 N-Nitrosodiphenylamine	169	16.593	16.570	(0.907)	395951	4.98277	4.983	
55 2,4,6-Tribromophenol	330	16.894	16.870	(1.109)	90754	6.94559	6.946	
56 4-Bromophenyl-phenylether	248	17.348	17.333	(0.948)	200887	5.45634	5.456	
57 Hexachlorobenzene	284	17.673	17.650	(0.966)	171847	5.11363	5.114	
58 Pentachlorophenol	266	18.037	18.014	(0.986)	24841	3.23849	3.238	
59 Phenanthrene-d10	188	18.300	18.277	(1.000)	505363	4.00000		
60 Phenanthrene	178	18.347	18.323	(1.003)	649666	4.89322	4.893	
61 Anthracene	178	18.439	18.416	(1.008)	683072	4.82784	4.828	
62 Carbazole	167	18.772	18.749	(1.026)	726709	5.56744	5.567	
63 Di-n-butylphthalate	149	19.584	19.554	(1.070)	1082696	5.32836	5.328	
64 Fluoranthene	202	20.753	20.722	(0.887)	1048305	4.19233	4.192	
65 Pyrene	202	21.178	21.147	(0.905)	1006992	4.57159	4.572	
66 Terphenyl-d14	244	21.465	21.441	(0.918)	561068	4.66854	4.669	
67 Butylbenzylphthalate	149	22.401	22.371	(0.958)	338140	4.86029	4.860	
68 Benzo(a)anthracene	228	23.362	23.331	(0.999)	707995	4.85155	4.852	
69 Chrysene-d12	240	23.393	23.354	(1.000)	344386	4.00000		
70 3,3'-Dichlorobenzidine	252	23.315	23.284	(0.997)	559597	11.7678	11.77	
71 Chrysene	228	23.439	23.400	(1.002)	479984	4.72467	4.725	
72 bis(2-Ethylhexyl)phthalate	149	23.447	23.416	(0.959)	366071	5.06090	5.061	
134 Di-n-octylphthalate-d4	153	24.453	24.422	(1.000)	654412	4.00000		
73 Di-n-octylphthalate	149	24.469	24.430	(1.001)	818367	5.50195	5.502	
74 Benzo(b)fluoranthene	252	25.297	25.258	(0.969)	600074	4.95534	4.955	
75 Benzo(k)fluoranthene	252	25.344	25.305	(0.971)	612767	5.26231	5.262	
76 Benzo(a)pyrene	252	25.979	25.932	(0.996)	485665	4.90022	4.900	
77 Perylene-d12	264	26.095	26.048	(1.000)	267390	4.00000		
78 Indeno(1,2,3-cd)pyrene	276	28.884	28.814	(1.107)	503980	4.76253	4.763	
79 Dibenzo(a,h)anthracene	278	28.900	28.830	(1.107)	378728	4.67505	4.675	
80 Benzo(g,h,i)perylene	276	29.707	29.630	(1.138)	415473	4.91157	4.912	
90 N-Nitrosodimethylamine	74	4.720	4.720	(0.518)	244386	6.68622	6.686	
91 Aniline	93	Compound Not Detected.						
93 Benzidine	184	20.985	20.954	(0.897)	177079	3.48536	3.485	
103 Pyridine	79	4.743	4.736	(0.520)	326265	3.14892	3.149	
105 1-methylnaphthalene	142	13.275	13.252	(1.144)	651979	5.16205	5.162	
111 Azobenzene (1,2-DP-Hydrazine)	77	16.670	16.647	(1.094)	559493	4.88168	4.882	

Compounds	QUANT SIG	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS	
						ON-COLUMN (ug/mL)	FINAL (ug/mL)
187 Total Benzofluoranthenes	252	25.297	25.305	(0.969)	1110070	9.83152	9.832
120 2,3,4,6-Tetrachlorophenol	232	15.975	15.959	(1.049)	100330	3.99993	4.000

ARI Labs, Inc.

INTERNAL STANDARD COMPOUNDS
 AREA AND RT SUMMARY

Instrument ID: nt10.i Calibration Date: 23-JUN-2022
 Lab File ID: NT1022062311.D Calibration Time: 16:38
 Lab Smp Id: SKF0270-SCV1
 Analysis Type: SV Level:
 Quant Type: ISTD Sample Type:
 Operator: VTS
 Method File: \\target\share\chem3\nt10.i\20220623.b\ABN.m
 Misc Info:

Test Mode:
 Use Last Continuing Calibrator.

COMPOUND	STANDARD	AREA LIMIT		SAMPLE	%DIFF
		LOWER	UPPER		
8 1,4-Dichlorobenze	149714	74857	299428	152987	2.19
27 Naphthalene-d8	491315	245658	982630	505418	2.87
42 Acenaphthene-d10	286589	143295	573178	286969	0.13
59 Phenanthrene-d10	498820	249410	997640	505363	1.31
69 Chrysene-d12	311295	155648	622590	344386	10.63
134 Di-n-octylphthala	577982	288991	1155964	654412	13.22
77 Perylene-d12	218550	109275	437100	267390	22.35

COMPOUND	STANDARD	RT LIMIT		SAMPLE	%DIFF
		LOWER	UPPER		
8 1,4-Dichlorobenze	9.10	8.60	9.60	9.12	0.17
27 Naphthalene-d8	11.59	11.09	12.09	11.60	0.13
42 Acenaphthene-d10	15.22	14.72	15.72	15.23	0.10
59 Phenanthrene-d10	18.28	17.78	18.78	18.30	0.13
69 Chrysene-d12	23.35	22.85	23.85	23.39	0.17
134 Di-n-octylphthala	24.42	23.92	24.92	24.45	0.13
77 Perylene-d12	26.05	25.55	26.55	26.10	0.18

AREA UPPER LIMIT = +100% of internal standard area.
 AREA LOWER LIMIT = - 50% of internal standard area.
 RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
 RT LOWER LIMIT = - 0.50 minutes of internal standard RT.

REVIEW SUMMARY FOR FILE - NT1022062311.D

Lab ID: SKF0270-SCV1
nt10.i, ABN.m, 23-JUN-2022 15:20

RT CO-ELUTION COMPOUNDS

NO CO-ELUTIONS

Quant Method: ICAL

RRT CHECK

RRT	CCV	RRT	DELTA	COMPOUND
-----	-----	-----	-------	----------

NONE

RRT check based on Ccal File: NT1022062313.D

On Column LOD for nt10.i, ABN.m, ICAL.sub = 0.0000

* Only compounds listed in the work order have been verified by the analyst *



**SECOND-SOURCE
CALIBRATION VERIFICATION**

EPA 8270E

Laboratory: Analytical Resources, LLC

SDG: 22F0267

Client: GeoEngineers

Project: RG Haley Site-Bellingham

Calibration: FE00035

Laboratory ID: SKE0212-SCV1

Sequence: SKE0212

Standard ID: K004689

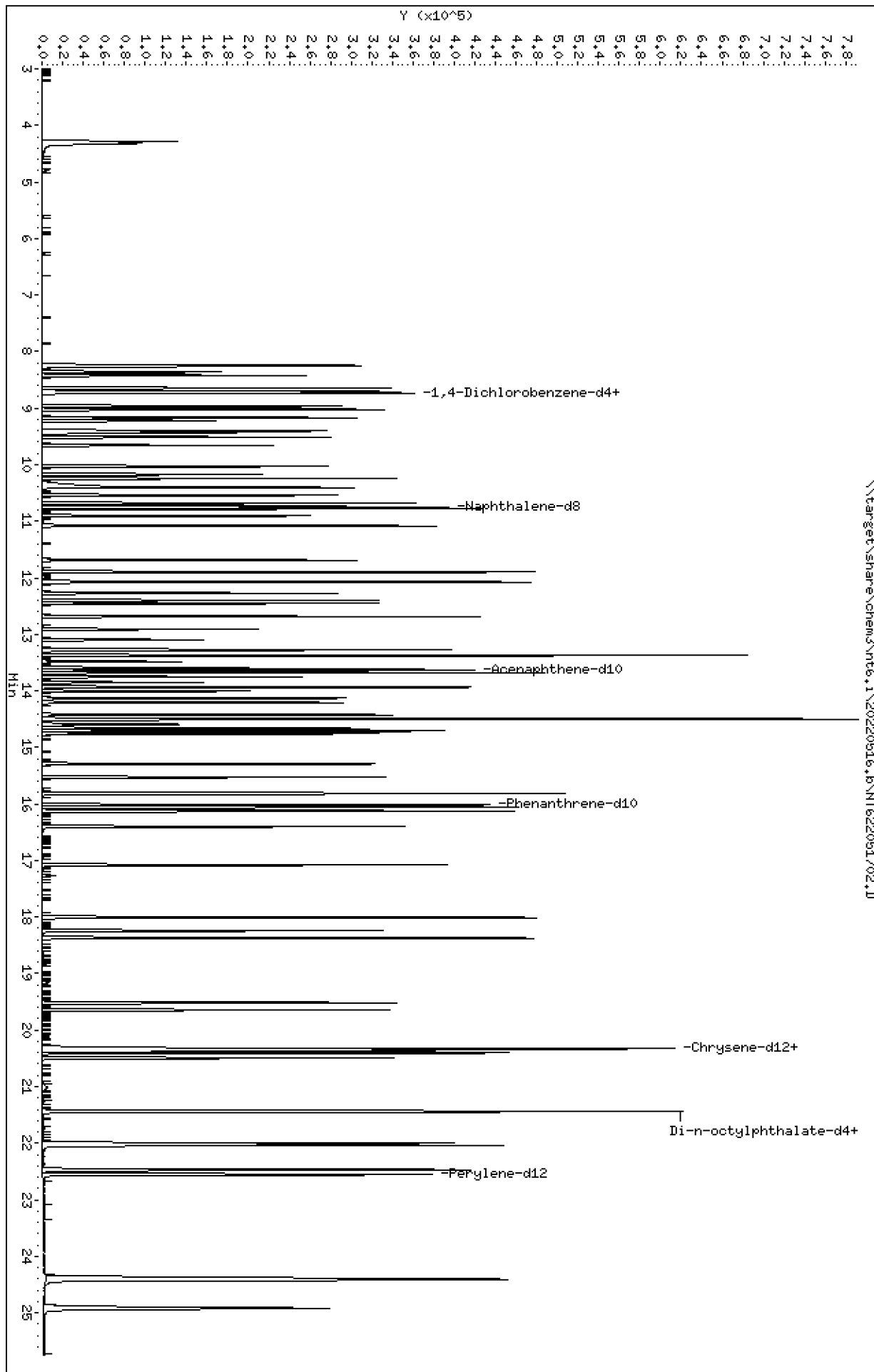
ANALYTE	EXPECTED (ug/mL)	FOUND (ug/mL)	% DRIFT	QC LIMIT
Naphthalene	25.000	24.6	-1.4	20.00
2-Methylnaphthalene	25.000	24.5	-1.8	20.00
Acenaphthene	25.000	24.1	-3.4	20.00
Pentachlorophenol	50.000	46.2	-7.6	20.00
Phenanthrene	25.000	24.3	-2.7	20.00
Fluoranthene	25.000	24.9	-0.3	20.00
Benzo(a)anthracene	25.000	23.9	-4.3	20.00
Chrysene	25.000	23.5	-6.0	20.00
Benzo(b)fluoranthene	25.000	25.0	0.1	20.00
Benzo(k)fluoranthene	25.000	24.5	-1.9	20.00
Benzo(a)pyrene	25.000	25.6	2.5	20.00
Indeno(1,2,3-cd)pyrene	25.000	23.9	-4.6	20.00
Dibenzo(a,h)anthracene	25.000	24.2	-3.3	20.00
1-Methylnaphthalene	25.000	26.0	3.9	20.00

* Values outside of QC limits

Data File: \\target\share\chem3\nt6.1\20220516.b\N1622051702.D
Date: 17-May-2022 12:39
Client ID:
Sample Info: SKE0212-SCV1
Volume Injected (uL): 1.0
Column phase: ZB-5msi

Instrument: nt6.1
Operator: JZ
Column diameter: 0.32

\\target\share\chem3\nt6.1\20220516.b\N1622051702.D



ARI Labs, Inc.

Semivolatile Report SW846 Method 8270D

Data file : \\target\share\chem3\nt6.i\20220516.b\NT622051702.D
 Lab Smp Id: SKE0212-SCV1
 Inj Date : 17-MAY-2022 12:39
 Operator : JZ Inst ID: nt6.i
 Smp Info : SKE0212-SCV1
 Misc Info : 22-
 Comment : 1ul Injection
 Method : \\target\share\chem3\nt6.i\20220516.b\SW84620220516.m
 Meth Date : 17-May-2022 13:05 jianqing Quant Type: ISTD
 Cal Date : 16-MAY-2022 18:52 Cal File: NT622051604.D
 Als bottle: 2 QC Sample: LCS
 Dil Factor: 1.00000
 Integrator: HP RTE Compound Sublist: ICV.sub
 Target Version: 4.14
 Processing Host: JIANQING-202105

Concentration Formula: Amt * DF * Vt/Vo * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vt	500.000	Volume of final extract (uL)
Vo	500.000	Volume of sample extracted (mL)
Cpnd Variable		Local Compound Variable

Compounds	QUANT	SIG	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS	
							ON-COLUMN (ug/mL)	FINAL (ug/L)
3 Phenol	94		8.240	8.250	(0.947)	132250	23.3708	23.37
4 Bis(2-Chloroethyl)ether	93		8.362	8.368	(0.961)	92614	27.1217	27.12
6 2-Chlorophenol	128		8.421	8.426	(0.967)	105289	22.7881	22.79
7 1,3-Dichlorobenzene	146		8.646	8.651	(0.993)	118625	24.7114	24.71
* 8 1,4-Dichlorobenzene-d4	152		8.704	8.709	(1.000)	78743	20.0000	
9 1,4-Dichlorobenzene	146		8.731	8.736	(1.003)	119878	25.6001	25.60
11 Benzyl alcohol	108		8.966	8.966	(1.030)	67360	25.4868	25.49
12 1,2-Dichlorobenzene	146		9.025	9.030	(1.037)	110097	24.7613	24.76
13 2-Methylphenol	108		9.169	9.174	(1.053)	88639	23.1271	23.13
14 2,2'-oxybis(1-Chloropropane)	45		9.222	9.222	(1.060)	75291	28.7192	28.72
15 4-Methylphenol	108		9.404	9.404	(1.080)	92693	22.6736	22.67
16 N-Nitroso-di-n-propylamine	70		9.436	9.441	(1.084)	62621	24.4606	24.46
17 Hexachloroethane	117		9.511	9.516	(1.093)	47310	25.0523	25.05
19 Nitrobenzene	77		9.660	9.660	(0.899)	98500	25.4579	25.46
20 Isophorone	82		10.029	10.034	(0.933)	170367	34.7325	34.73
21 2-Nitrophenol	139		10.173	10.173	(0.946)	56975	23.7990	23.80
22 2,4-Dimethylphenol	107		10.243	10.248	(0.953)	96910	21.5306	21.53
23 Bis(2-Chloroethoxy)methane	93		10.403	10.408	(0.968)	101564	29.0079	29.01
24 Benzoic acid	105		10.403	10.461	(0.968)	63982	22.2733	22.27
25 2,4-Dichlorophenol	162		10.542	10.541	(0.981)	84571	23.0596	23.06
26 1,2,4-Trichlorobenzene	180		10.686	10.686	(0.994)	101833	24.3683	24.37
* 27 Naphthalene-d8	136		10.750	10.750	(1.000)	265327	20.0000	

Compounds	QUANT SIG					CONCENTRATIONS	
	MASS	RT	EXP RT	REL RT	RESPONSE	ON-COLUMN (ug/mL)	FINAL (ug/L)
28 Naphthalene	128	10.782	10.782	(1.003)	274853	24.6459	24.65
29 4-Chloroaniline	127	10.905	10.910	(1.014)	103579	22.5983	22.60
30 Hexachlorobutadiene	225	11.081	11.081	(1.031)	67351	24.9799	24.98
31 4-Chloro-3-methylphenol	107	11.685	11.690	(1.087)	85820	23.2333	23.23
32 2-Methylnaphthalene	141	11.898	11.898	(1.107)	156330	24.5490	24.55
33 Hexachlorocyclopentadiene	237	12.272	12.272	(0.900)	70024	25.0388	25.04
34 2,4,6-Trichlorophenol	196	12.400	12.405	(0.910)	67694	23.4453	23.45
35 2,4,5-Trichlorophenol	196	12.454	12.459	(0.914)	72670	23.6353	23.64
37 2-Chloronaphthalene	162	12.683	12.688	(0.931)	184108	24.5865	24.59
38 2-Nitroaniline	65	12.908	12.913	(0.947)	46209	24.4113	24.41
39 Dimethylphthalate	163	13.271	13.271	(0.974)	204613	24.9692	24.97
40 Acenaphthylene	152	13.372	13.372	(0.981)	296941	24.4572	24.46
41 2,6-Dinitrotoluene	165	13.372	13.372	(0.981)	48513	25.9702	25.97
* 42 Acenaphthene-d10	164	13.629	13.623	(1.000)	154616	20.0000	
43 3-Nitroaniline	138	13.591	13.591	(0.997)	47182	25.8647	25.86
44 Acenaphthene	153	13.677	13.677	(1.004)	173806	24.1449	24.14
45 2,4-Dinitrophenol	184	13.757	13.757	(1.009)	58271	51.1473	51.15
46 Dibenzofuran	168	13.939	13.938	(1.023)	263210	25.3013	25.30
47 4-Nitrophenol	109	13.853	13.853	(1.016)	32165	24.3965	24.40
48 2,4-Dinitrotoluene	165	14.008	14.008	(1.028)	61875	25.6652	25.67
49 Fluorene	166	14.499	14.499	(1.064)	203057	24.4005	24.40
50 Diethylphthalate	149	14.425	14.424	(1.058)	206605	26.1014	26.10
51 4-Chlorophenyl-phenylether	204	14.505	14.504	(1.064)	117904	25.2475	25.25
52 4-Nitroaniline	138	14.596	14.595	(1.071)	41071	24.8962	24.90
53 4,6-Dinitro-2-methylphenol	198	14.665	14.665	(0.916)	81088	53.4614	53.46
54 N-Nitrosodiphenylamine	169	14.708	14.713	(0.918)	147244	24.5229	24.52
56 4-Bromophenyl-phenylether	248	15.295	15.295	(0.955)	65927	25.3362	25.34
57 Hexachlorobenzene	284	15.530	15.530	(0.970)	69479	24.5349	24.53
58 Pentachlorophenol	266	15.819	15.818	(0.988)	87386	46.1932	46.19
* 59 Phenanthrene-d10	188	16.016	16.016	(1.000)	277010	20.0000	
60 Phenanthrene	178	16.059	16.053	(1.003)	277742	24.3243	24.32
61 Anthracene	178	16.128	16.128	(1.007)	278521	24.3856	24.39
62 Carbazole	167	16.401	16.400	(1.024)	227640	23.1864	23.19
63 Di-n-butylphthalate	149	17.079	17.079	(1.066)	317988	25.8648	25.86
64 Fluoranthene	202	18.008	18.008	(1.124)	321810	24.9368	24.94
65 Pyrene	202	18.372	18.371	(0.902)	324542	24.2952	24.30
67 Butylbenzylphthalate	149	19.520	19.520	(0.959)	135550	25.9190	25.92
68 Benzo(a)anthracene	228	20.332	20.337	(0.998)	282228	23.9237	23.92
* 69 Chrysene-d12	240	20.364	20.364	(1.000)	212766	20.0000	
70 3,3'-Dichlorobenzidine	252	20.326	20.326	(0.998)	94354	26.7032	26.70
71 Chrysene	228	20.401	20.401	(1.002)	254630	23.4955	23.50
72 bis(2-Ethylhexyl)phthalate	149	20.492	20.492	(0.956)	176532	25.8894	25.89
* 134 Di-n-octylphthalate-d4	153	21.432	21.432	(1.000)	294742	20.0000	
73 Di-n-octylphthalate	149	21.443	21.437	(1.000)	314040	25.5294	25.53
74 Benzo(b)fluoranthene	252	22.004	22.003	(0.976)	291059	25.0250	25.03
75 Benzo(k)fluoranthene	252	22.036	22.035	(0.977)	285742	24.5191	24.52
187 Total Benzofluoranthenes	252	22.036	22.035	(0.977)	552757	49.9421	49.94
76 Benzo(a)pyrene	252	22.468	22.468	(0.996)	279678	25.6245	25.62
* 77 Perylene-d12	264	22.554	22.553	(1.000)	235601	20.0000	
78 Indeno(1,2,3-cd)pyrene	276	24.391	24.391	(1.081)	380517	23.8517	23.85
79 Dibenzo(a,h)anthracene	278	24.418	24.412	(1.083)	322512	24.1667	24.17
80 Benzo(g,h,i)perylene	276	24.920	24.925	(1.105)	324816	23.7382	23.74
90 N-Nitrosodimethylamine	74	4.325	4.335	(0.497)	57797	29.0876	29.09
91 Aniline	93	8.261	8.261	(0.949)	156829	26.9505	26.95

Compounds	QUANT SIG	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS		
						ON-COLUMN (ug/mL)	FINAL (ug/L)	
105 1-methylnaphthalene	141	12.075	12.074	(1.123)	156069	25.9664	25.97	
111 Azobenzene (1,2-DP-Hydrazine)	77	14.761	14.761	(0.922)	172739	24.4930	24.49	
93 Benzidine	184	18.243	18.243	(0.896)	206124	57.4619	57.46	
103 Pyridine	79	4.287	4.298	(0.493)	95963	25.6591	25.66	
120 2,3,4,6-Tetrachlorophenol	232	14.206	14.205	(1.042)	56016	23.8292	23.83	
151 1,2,4,5-Tetrachlorobenzene	216	Compound Not Detected.						

ARI Labs, Inc.

INTERNAL STANDARD COMPOUNDS
 AREA AND RT SUMMARY

Instrument ID: nt6.i Calibration Date: 16-MAY-2022
 Lab File ID: NT622051702.D Calibration Time: 17:11
 Lab Smp Id: SKE0212-SCV1
 Analysis Type: SV Level: LOW
 Quant Type: ISTD Sample Type: WATER
 Operator: JZ
 Method File: \\target\share\chem3\nt6.i\20220516.b\SW84620220516.m
 Misc Info: 22-

Test Mode:
 Use Last Continuing Calibrator.

COMPOUND	STANDARD	AREA LIMIT		SAMPLE	%DIFF
		LOWER	UPPER		
8 1,4-Dichlorobenze	71723	35862	143446	78743	9.79
27 Naphthalene-d8	255203	127602	510406	265327	3.97
42 Acenaphthene-d10	144799	72400	289598	154616	6.78
59 Phenanthrene-d10	257295	128648	514590	277010	7.66
69 Chrysene-d12	195882	97941	391764	212766	8.62
134 Di-n-octylphthala	272032	136016	544064	294742	8.35
77 Perylene-d12	222542	111271	445084	235601	5.87

COMPOUND	STANDARD	RT LIMIT		SAMPLE	%DIFF
		LOWER	UPPER		
8 1,4-Dichlorobenze	8.71	8.21	9.21	8.70	-0.06
27 Naphthalene-d8	10.75	10.25	11.25	10.75	0.00
42 Acenaphthene-d10	13.62	13.12	14.12	13.63	0.04
59 Phenanthrene-d10	16.02	15.52	16.52	16.02	0.00
69 Chrysene-d12	20.36	19.86	20.86	20.36	0.00
134 Di-n-octylphthala	21.43	20.93	21.93	21.43	0.00
77 Perylene-d12	22.55	22.05	23.05	22.55	0.00

AREA UPPER LIMIT = +100% of internal standard area.
 AREA LOWER LIMIT = - 50% of internal standard area.
 RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
 RT LOWER LIMIT = - 0.50 minutes of internal standard RT.

REVIEW SUMMARY FOR FILE - NT622051702.D

Lab ID: SKE0212-SCV1

nt6.i, SW84620220516.m, 17-MAY-2022 12:39

RT CO-ELUTION COMPOUNDS

13.373 Acenaphthylene and 2,6-Dinitrotoluene

Quant Method: ICAL

No RRT check performed

On Column LOD for nt6.i, SW84620220516.m, ICV.sub = 0.0000

Exception: Total Benzofluoranthenes 0.5000

* Only compounds listed in the work order have been verified by the analyst *



**SECOND-SOURCE
CALIBRATION VERIFICATION**

EPA 8270E

Laboratory: Analytical Resources, LLC

SDG: 22F0267

Client: GeoEngineers

Project: RG Haley Site-Bellingham

Calibration: FF00062

Laboratory ID: SKF0270-SCV1

Sequence: SKF0270

Standard ID: J008837

ANALYTE	EXPECTED (ug/mL)	FOUND (ug/mL)	% DRIFT	QC LIMIT
Phenol	5.0000	5.1	2.7	20.00
bis(2-chloroethyl) ether	5.0000	5.8	15.8	20.00
2-Chlorophenol	5.0000	5.2	4.0	20.00
1,3-Dichlorobenzene	5.0000	5.0	0.3	20.00
1,4-Dichlorobenzene	5.0000	5.3	5.9	20.00
1,2-Dichlorobenzene	5.0000	5.1	1.7	20.00
Benzyl Alcohol	5.0000	5.5	9.6	20.00
2,2'-Oxybis(1-chloropropane)	5.0000	7.1	41.3 *	20.00
2-Methylphenol	5.0000	4.4	-11.2	20.00
Hexachloroethane	5.0000	5.3	5.9	20.00
N-Nitroso-di-n-Propylamine	5.0000	5.1	2.3	20.00
4-Methylphenol	5.0000	4.6	-8.2	20.00
Nitrobenzene	5.0000	5.1	2.8	20.00
Isophorone	5.0000	7.4	48.2 *	20.00
2-Nitrophenol	5.0000	5.1	2.6	20.00
2,4-Dimethylphenol	5.0000	4.7	-5.3	20.00
Bis(2-Chloroethoxy)methane	5.0000	5.7	14.7	20.00
2,4-Dichlorophenol	5.0000	5.5	10.9	20.00
1,2,4-Trichlorobenzene	5.0000	4.9	-2.2	20.00
Naphthalene	5.0000	4.9	-1.1	20.00
Benzoic acid	10.0000	6.6	-33.8 *	20.00
4-Chloroaniline	5.0000	4.6	-7.1	20.00
Hexachlorobutadiene	5.0000	5.3	6.8	20.00
4-Chloro-3-Methylphenol	5.0000	4.9	-2.9	20.00
2-Methylnaphthalene	5.0000	5.2	4.3	20.00
Hexachlorocyclopentadiene	5.0000	3.3	-33.5 *	20.00
2,4,6-Trichlorophenol	5.0000	5.2	4.8	20.00
2,4,5-Trichlorophenol	5.0000	4.4	-11.5	20.00
2-Chloronaphthalene	5.0000	5.5	9.2	20.00
2-Nitroaniline	5.0000	5.3	6.8	20.00
Acenaphthylene	5.0000	4.5	-10.5	20.00
Dimethylphthalate	5.0000	5.0	-0.5	20.00



**SECOND-SOURCE
CALIBRATION VERIFICATION**

EPA 8270E

Laboratory: Analytical Resources, LLC

SDG: 22F0267

Client: GeoEngineers

Project: RG Haley Site-Bellingham

Calibration: FF00062

Laboratory ID: SKF0270-SCV1

Sequence: SKF0270

Standard ID: J008837

2,6-Dinitrotoluene	5.0000	5.3	5.1	20.00
Acenaphthene	5.0000	4.9	-1.2	20.00
3-Nitroaniline	5.0000	5.4	7.6	20.00
2,4-Dinitrophenol	5.0000	2.0	-59.5 *	20.00
Dibenzofuran	5.0000	5.3	6.8	20.00
4-Nitrophenol	5.0000	4.4	-11.3	20.00
2,4-Dinitrotoluene	5.0000	5.3	6.2	20.00
Fluorene	5.0000	4.6	-8.1	20.00
4-Chlorophenylphenyl ether	5.0000	5.4	8.1	20.00
Diethyl phthalate	5.0000	5.4	7.4	20.00
4-Nitroaniline	5.0000	5.1	1.9	20.00
4,6-Dinitro-2-methylphenol	5.0000	4.3	-13.7	20.00
N-Nitrosodiphenylamine	5.0000	5.0	-0.3	20.00
4-Bromophenyl phenyl ether	5.0000	5.5	9.1	20.00
Hexachlorobenzene	5.0000	5.1	2.3	20.00
Pentachlorophenol	5.0000	3.2	-35.2 *	20.00
Phenanthrene	5.0000	4.9	-2.1	20.00
Anthracene	5.0000	4.8	-3.4	20.00
Carbazole	5.0000	5.6	11.3	20.00
Di-n-Butylphthalate	5.0000	5.3	6.6	20.00
Fluoranthene	5.0000	4.2	-16.2	20.00
Pyrene	5.0000	4.6	-8.6	20.00
Butylbenzylphthalate	5.0000	4.9	-2.8	20.00
Benzo(a)anthracene	5.0000	4.9	-3.0	20.00
3,3'-Dichlorobenzidine	10.000	11.8	17.7	20.00
Chrysene	5.0000	4.7	-5.5	20.00
bis(2-Ethylhexyl)phthalate	5.0000	5.1	1.2	20.00
Di-n-Octylphthalate	5.0000	5.5	10.0	20.00
Benzo(a)fluoranthene, Total	10.000	9.8	-1.7	20.00
Benzo(a)pyrene	5.0000	4.9	-2.0	20.00
Indeno(1,2,3-cd)pyrene	5.0000	4.8	-4.7	20.00
Dibenzo(a,h)anthracene	5.0000	4.7	-6.5	20.00
Benzo(g,h,i)perylene	5.0000	4.9	-1.8	20.00
1-Methylnaphthalene	5.0000	5.2	3.2	20.00

* Values outside of QC limits

Data File: \\target\share\chem3\nt10.1\20220623.1\NT1022062311.D

Date: 23-JUN-2022 15:20

Client ID:

Sample Info: SKF0270-SCW1

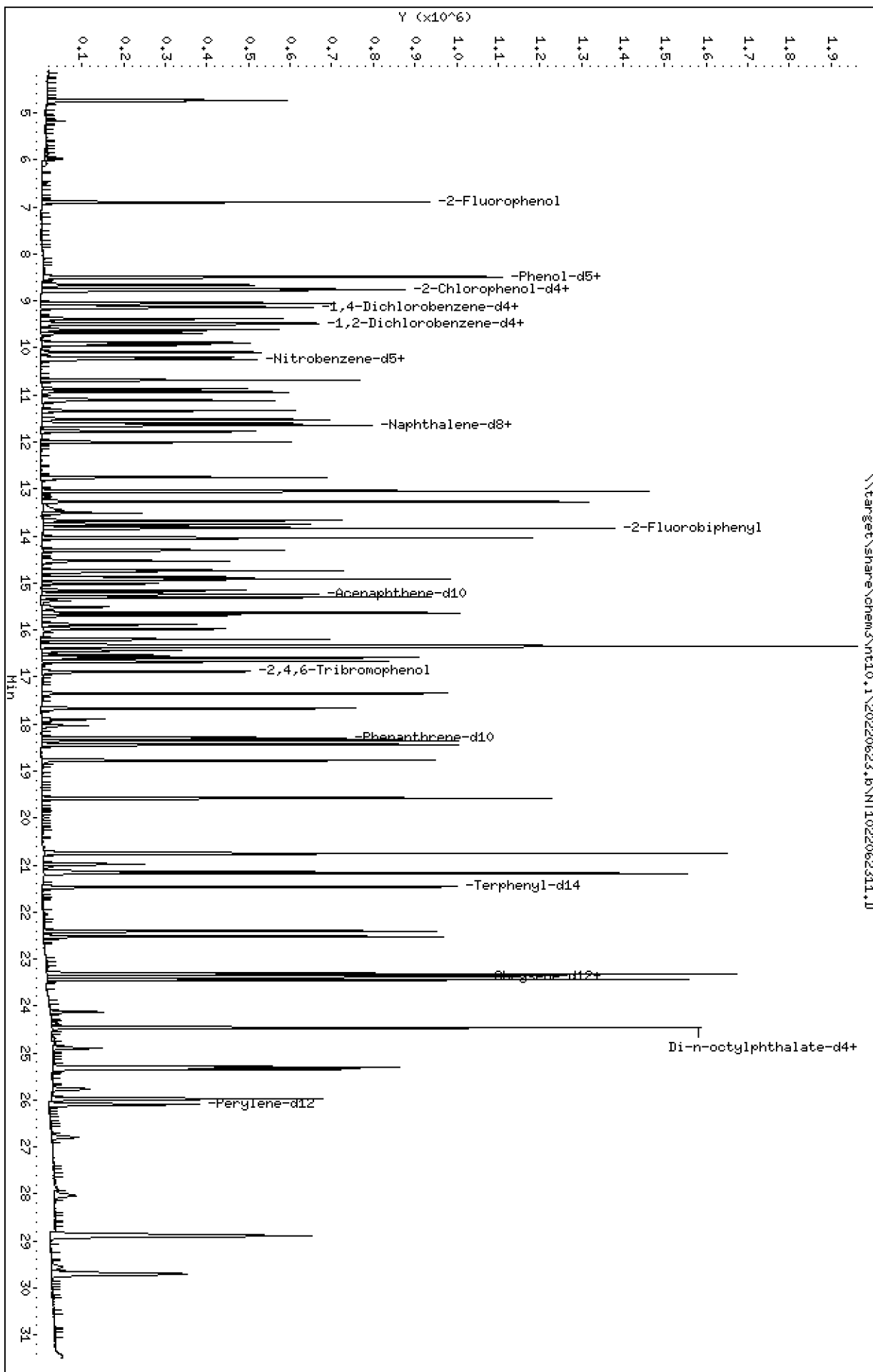
Column phase: ZB-5msi

Instrument: nt10.1

Operator: VTS

Column diameter: 0.25

Page 1



Date : 23-JUN-2022 15:20

Client ID:

Instrument: nt10.i

Sample Info: SKF0270-SCV1

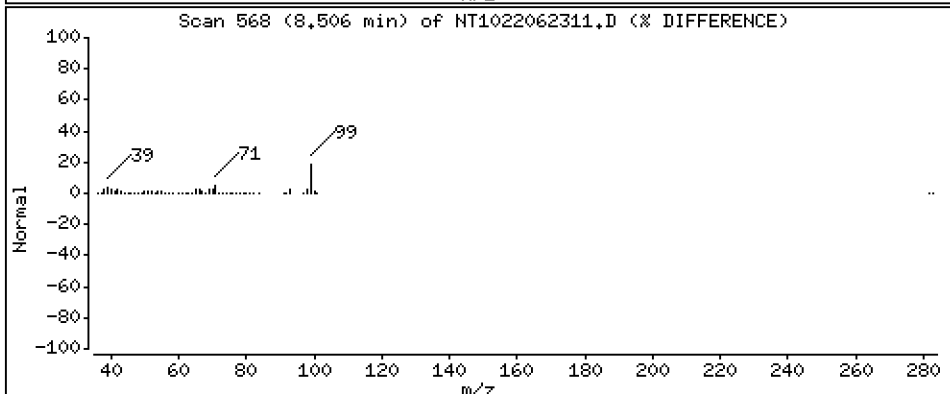
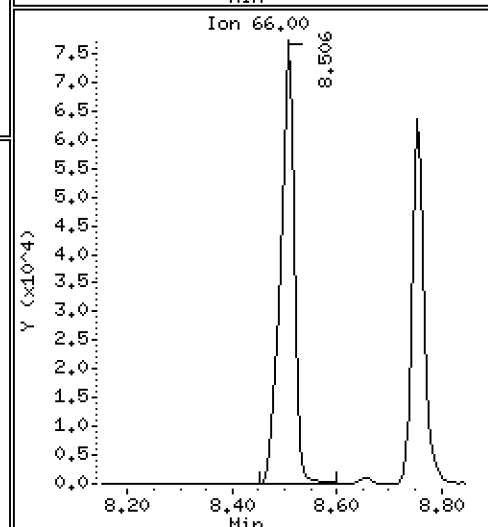
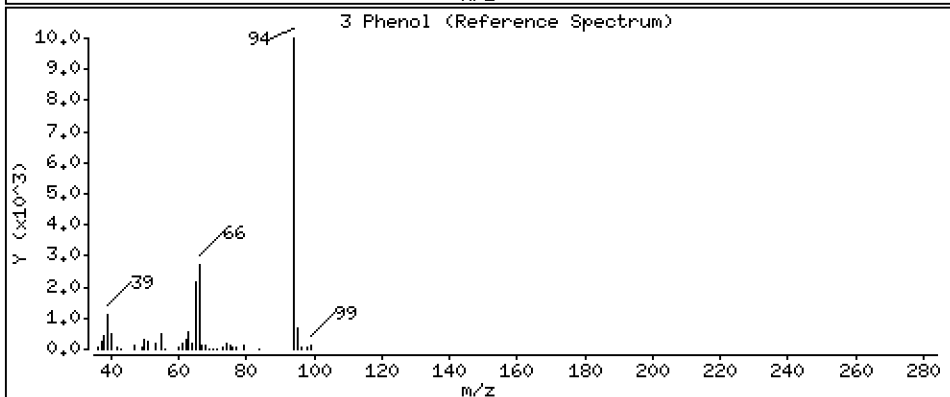
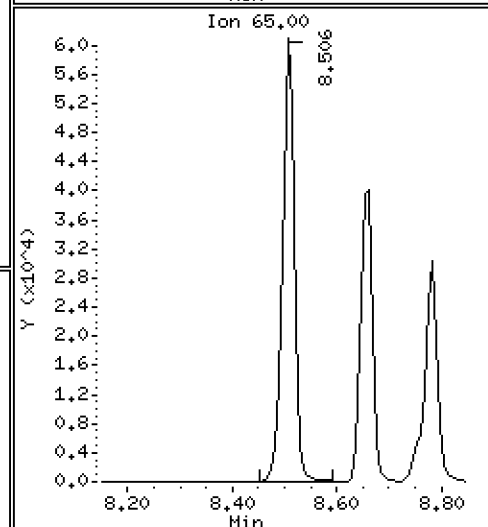
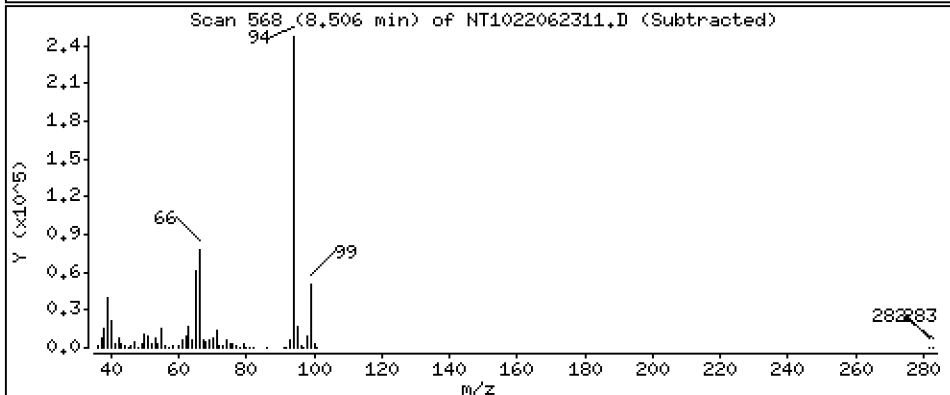
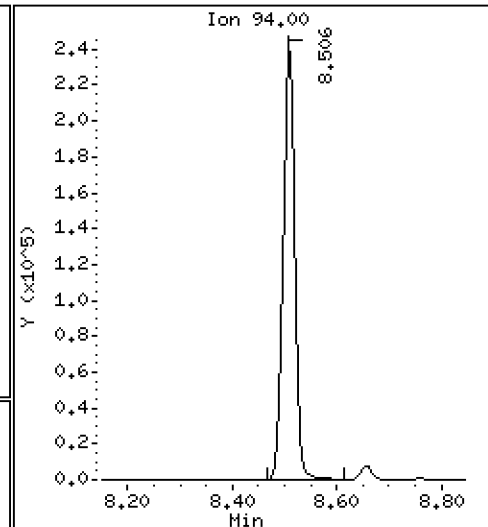
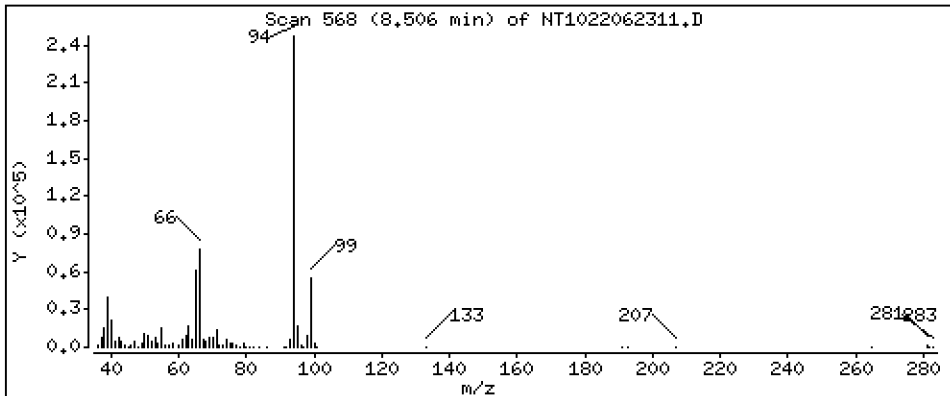
Operator: VTS

Column phase: ZB-5msi

Column diameter: 0,25

3 Phenol

Concentration: 5,135 ug/mL



Date : 23-JUN-2022 15:20

Client ID:

Instrument: nt10.i

Sample Info: SKF0270-SCV1

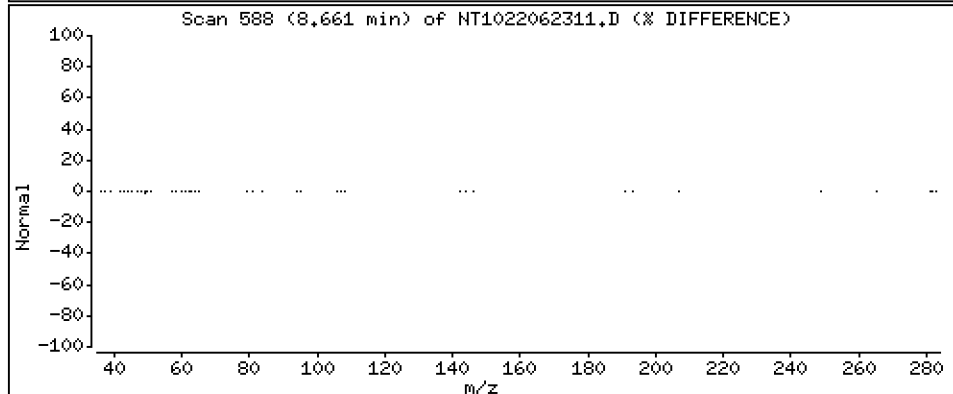
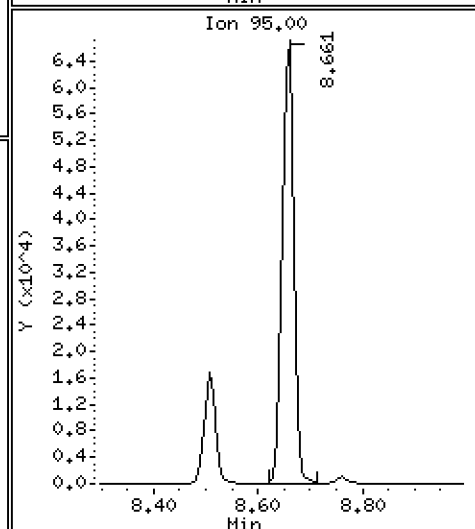
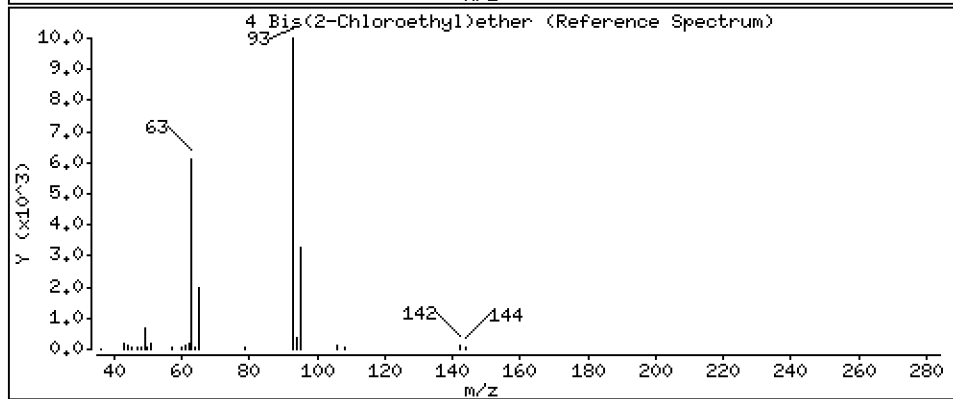
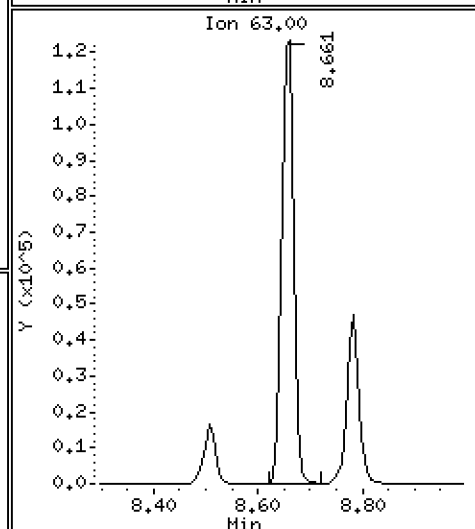
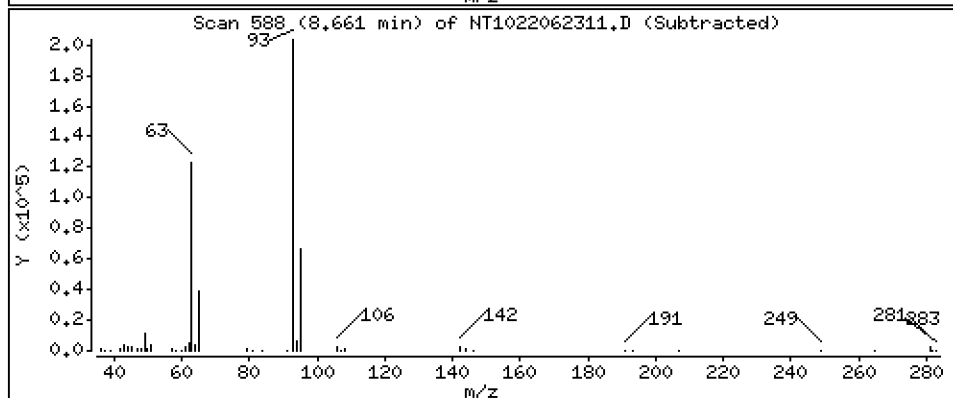
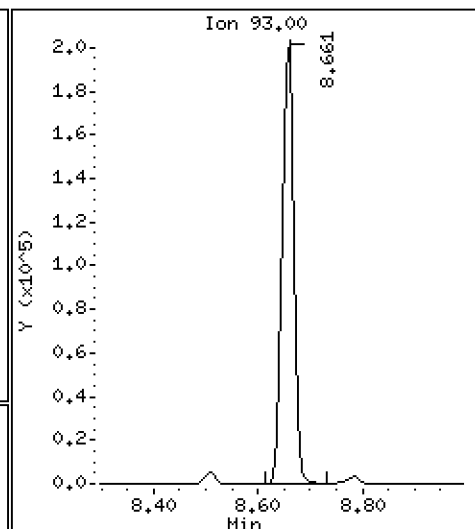
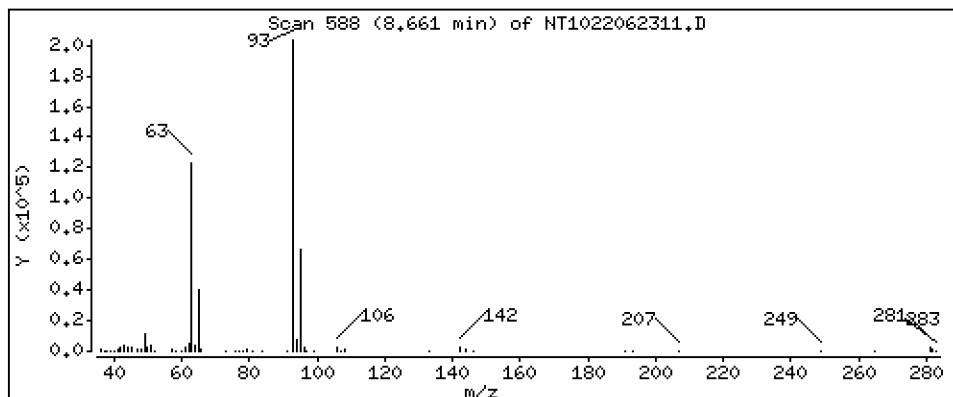
Operator: VTS

Column phase: ZB-5msi

Column diameter: 0,25

4 Bis(2-Chloroethyl)ether

Concentration: 5,792 ug/mL



Date : 23-JUN-2022 15:20

Client ID:

Instrument: nt10.i

Sample Info: SKF0270-SCV1

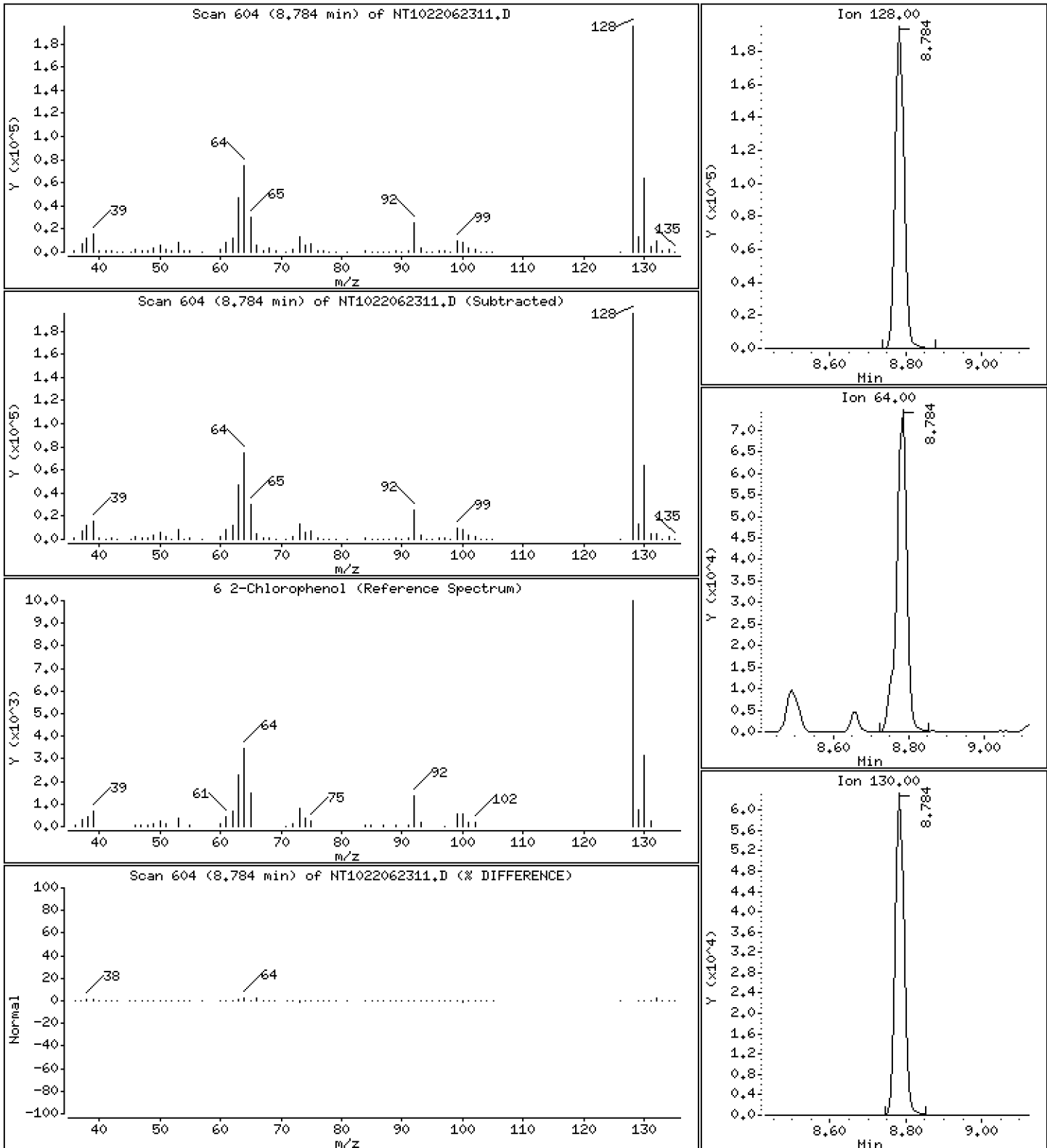
Operator: VTS

Column phase: ZB-5msi

Column diameter: 0,25

6 2-Chlorophenol

Concentration: 5,199 ug/mL



Date : 23-JUN-2022 15:20

Client ID:

Instrument: nt10.i

Sample Info: SKF0270-SCV1

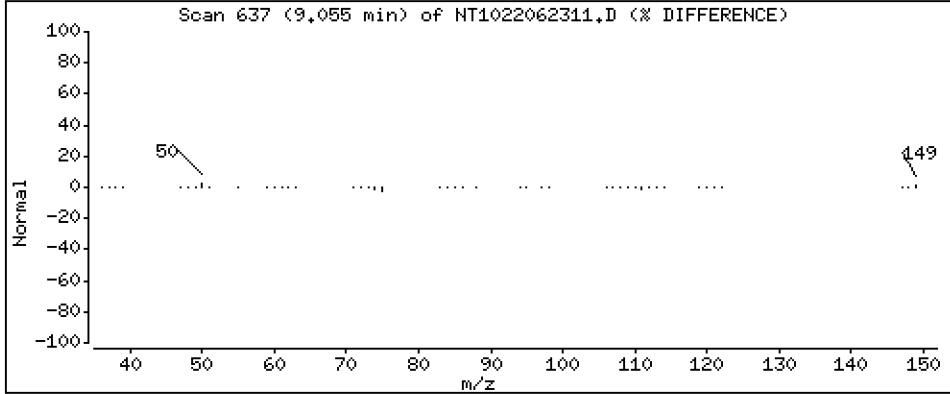
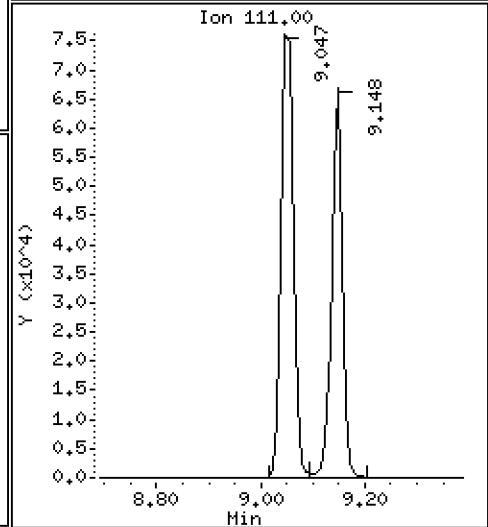
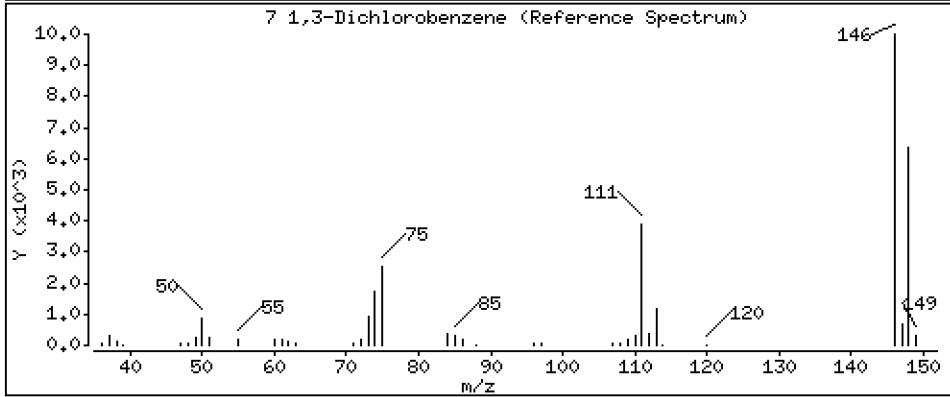
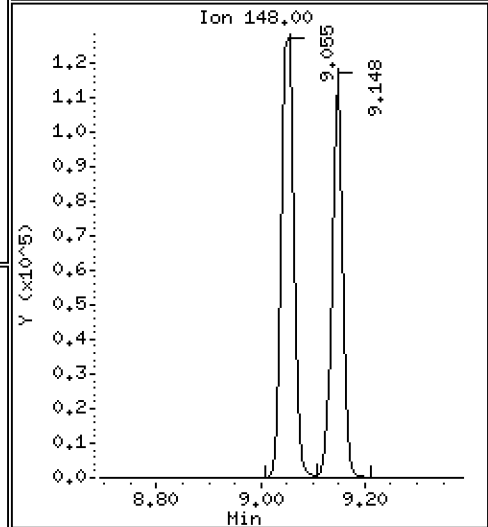
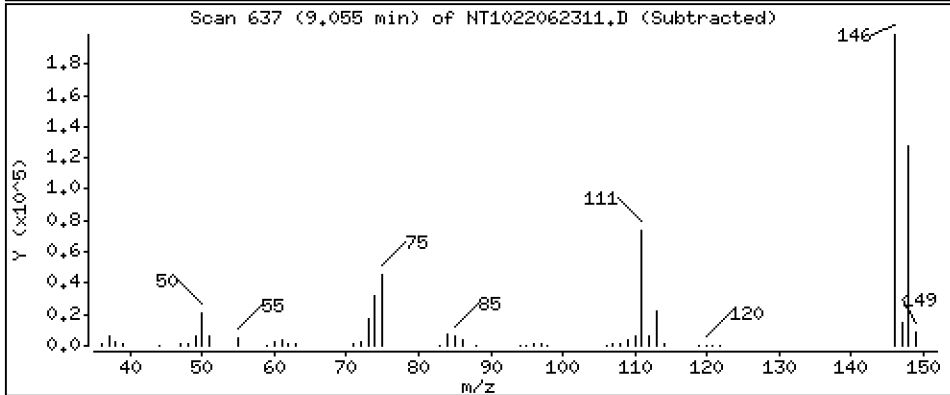
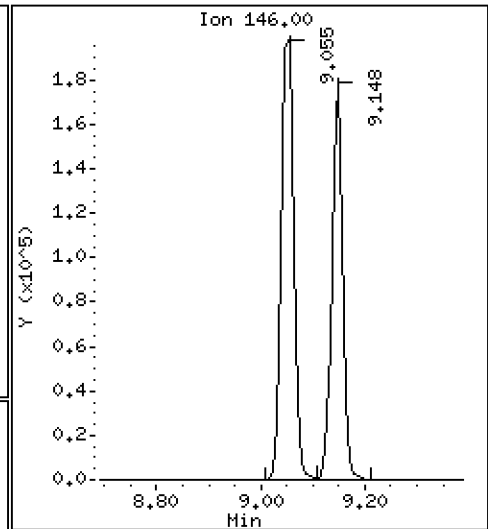
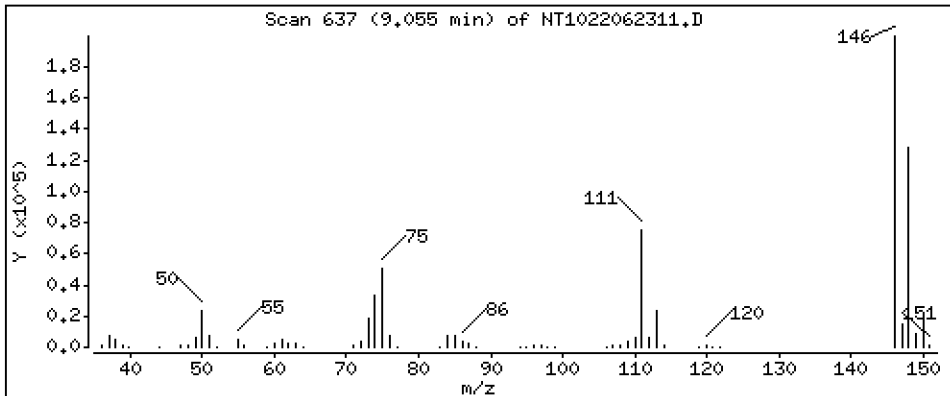
Operator: VTS

Column phase: ZB-5msi

Column diameter: 0,25

7 1,3-Dichlorobenzene

Concentration: 5,014 ug/mL



Date : 23-JUN-2022 15:20

Client ID:

Instrument: nt10.i

Sample Info: SKF0270-SCV1

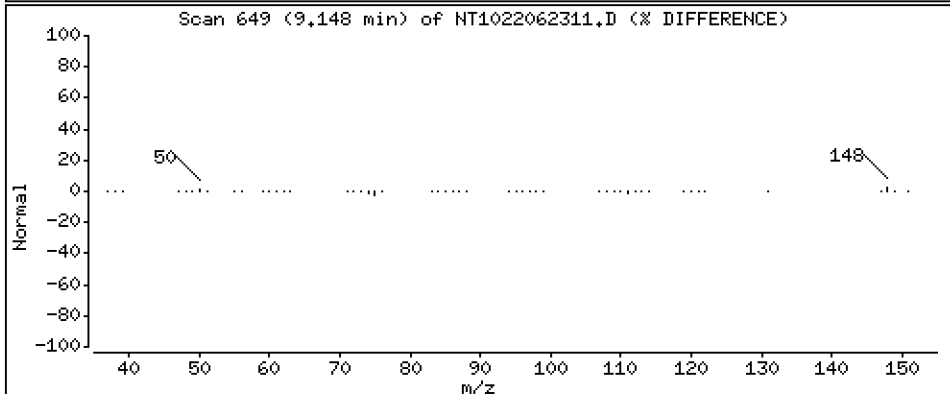
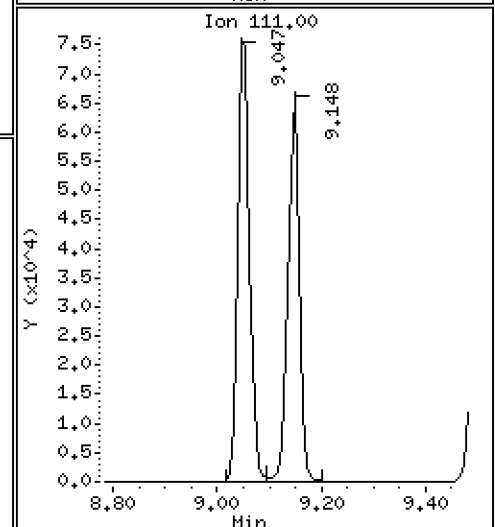
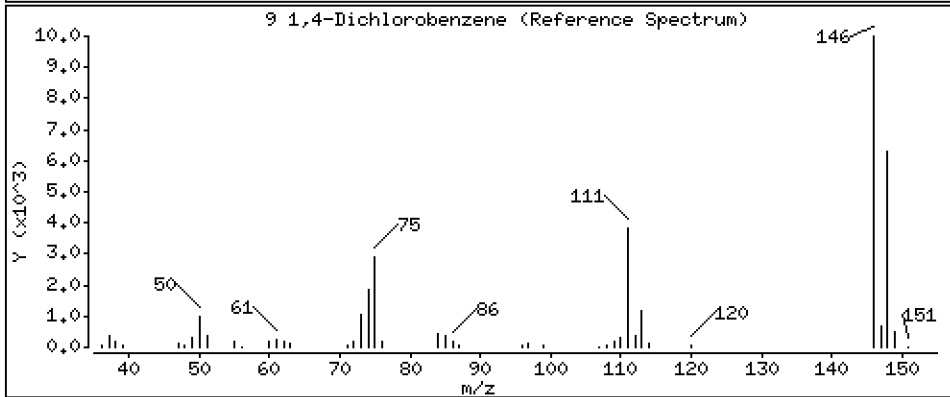
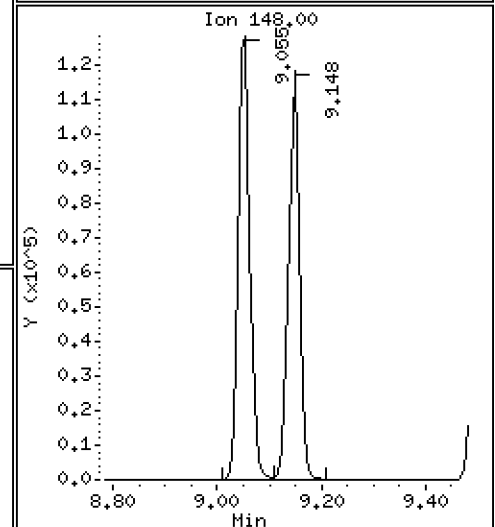
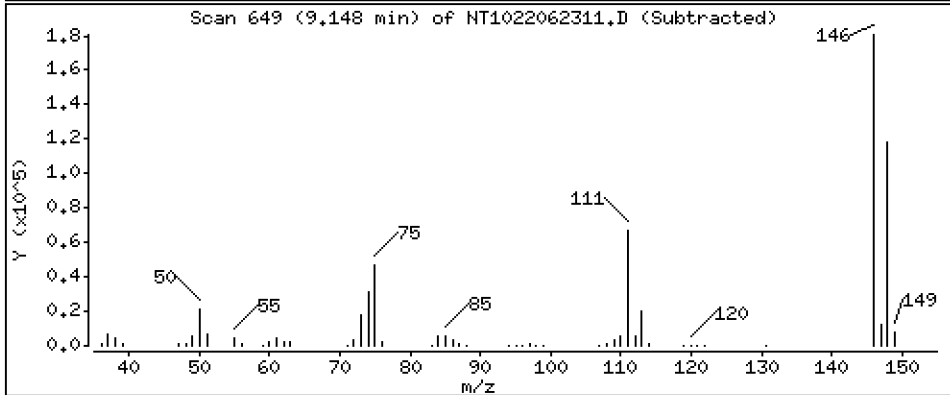
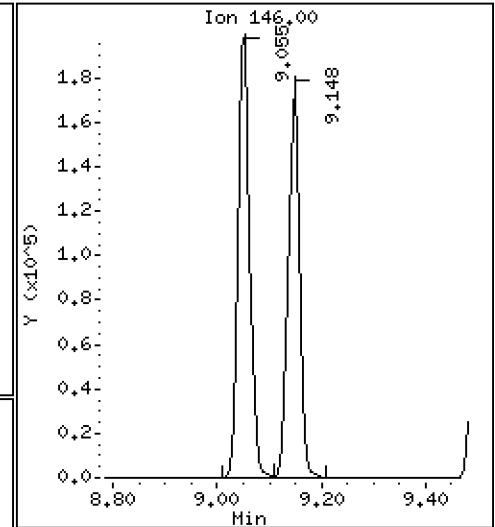
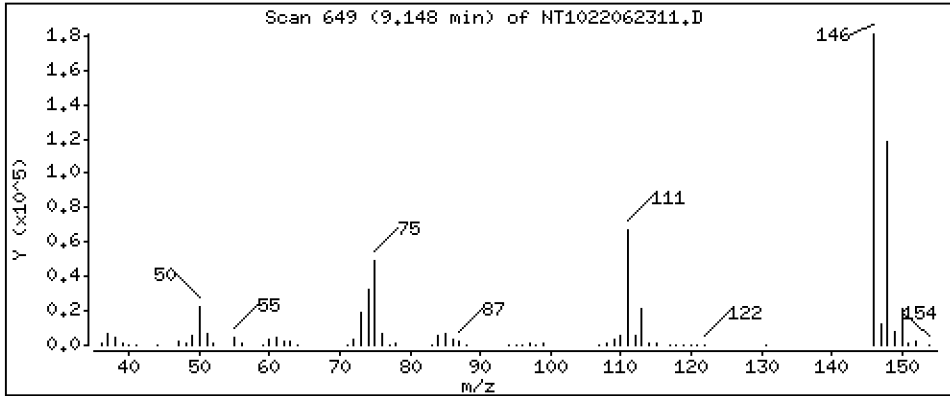
Operator: VTS

Column phase: ZB-5msi

Column diameter: 0,25

9 1,4-Dichlorobenzene

Concentration: 5,297 ug/mL



Date : 23-JUN-2022 15:20

Client ID:

Instrument: nt10.i

Sample Info: SKF0270-SCV1

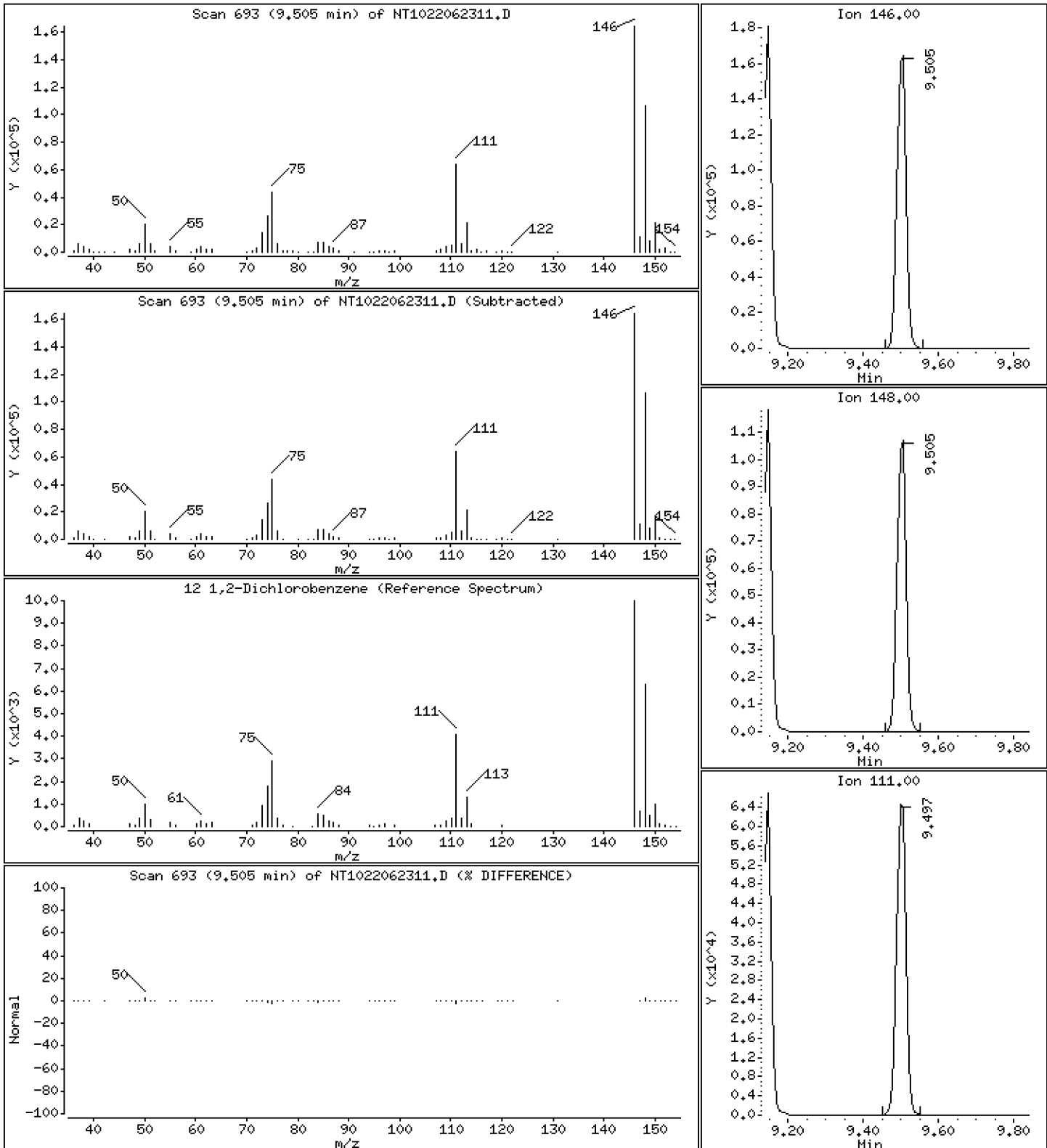
Operator: VTS

Column phase: ZB-5msi

Column diameter: 0.25

12 1,2-Dichlorobenzene

Concentration: 5.087 ug/mL



Date : 23-JUN-2022 15:20

Client ID:

Instrument: nt10.i

Sample Info: SKF0270-SCV1

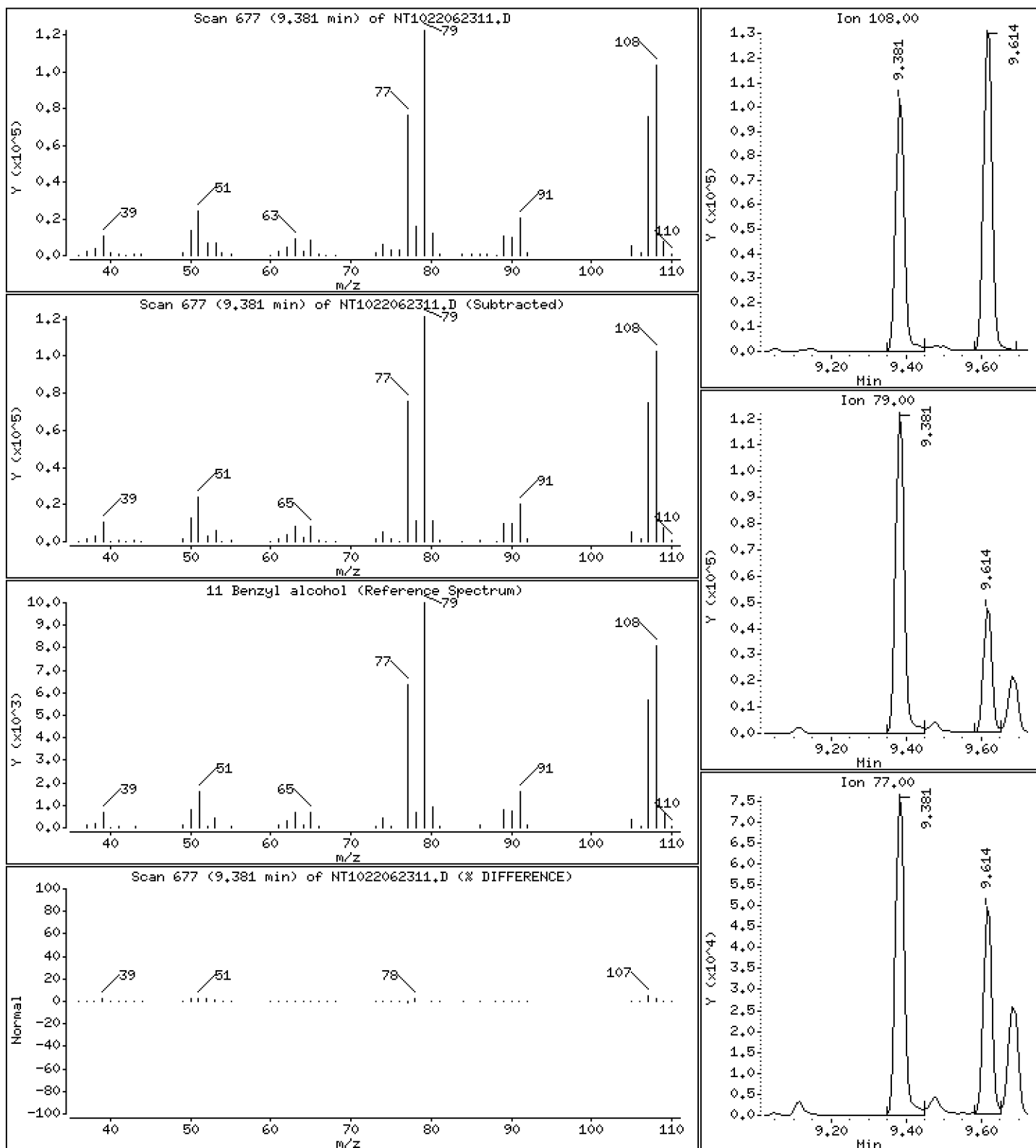
Operator: VTS

Column phase: ZB-5msi

Column diameter: 0.25

11 Benzyl alcohol

Concentration: 5.481 ug/mL



Date : 23-JUN-2022 15:20

Client ID:

Instrument: nt10.i

Sample Info: SKF0270-SCV1

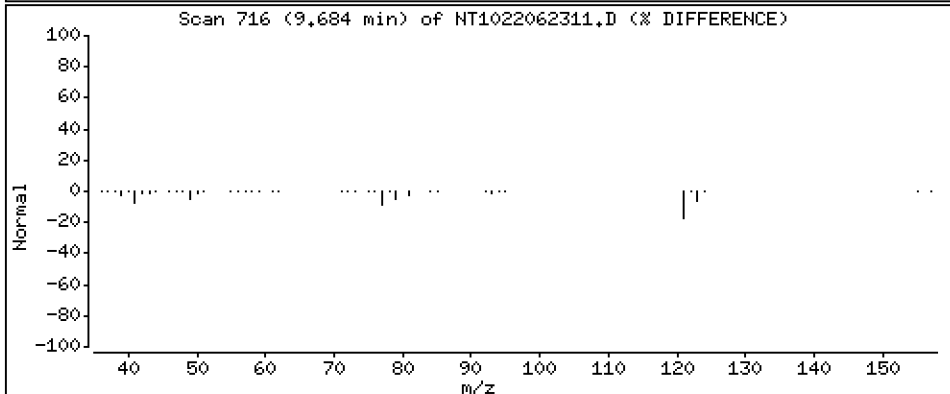
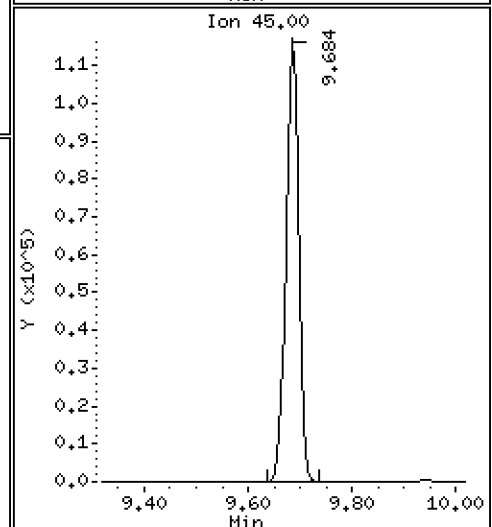
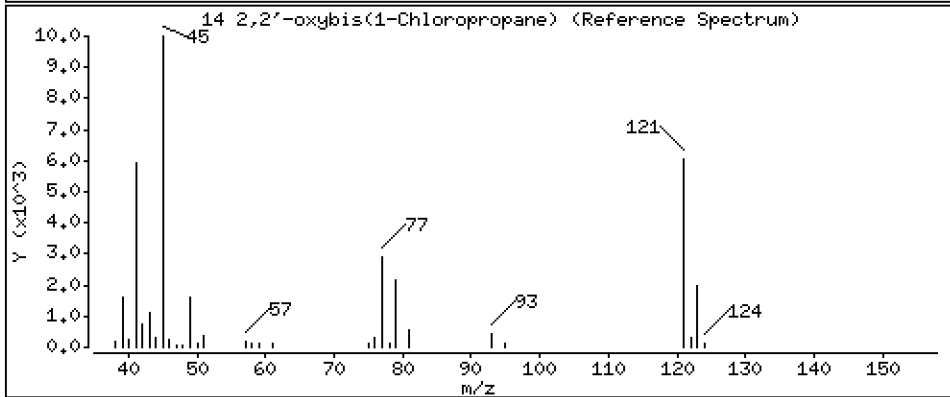
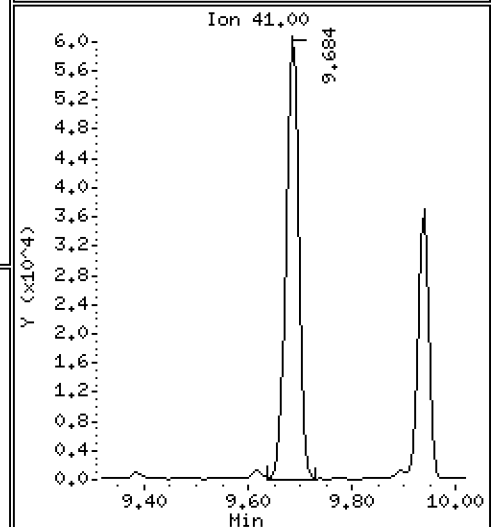
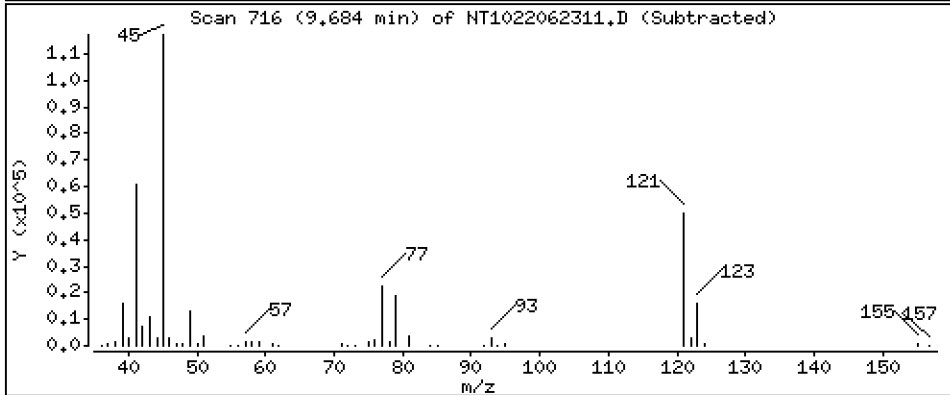
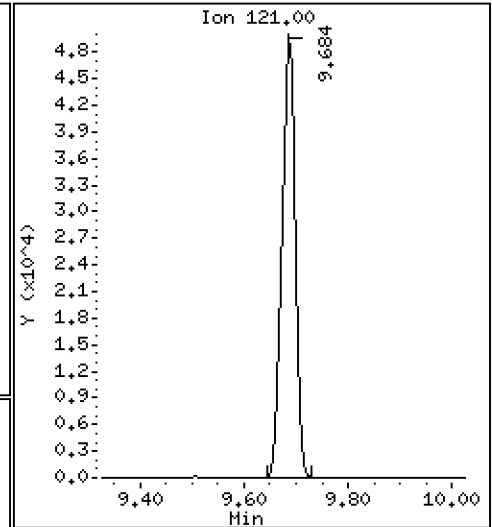
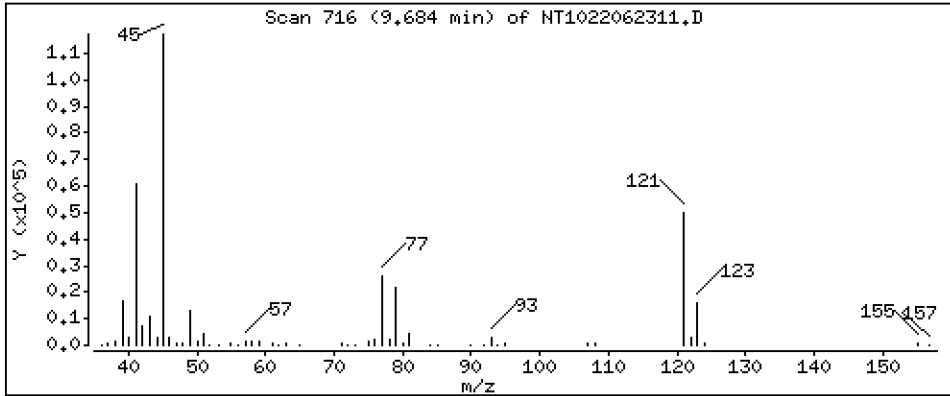
Operator: VTS

Column phase: ZB-5msi

Column diameter: 0,25

14 2,2'-oxybis(1-Chloropropane)

Concentration: 7,063 ug/mL



Date : 23-JUN-2022 15:20

Client ID:

Instrument: nt10.i

Sample Info: SKF0270-SCV1

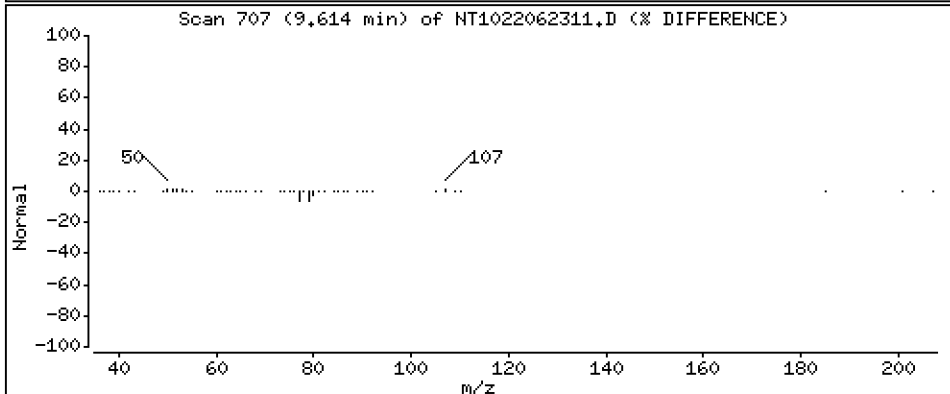
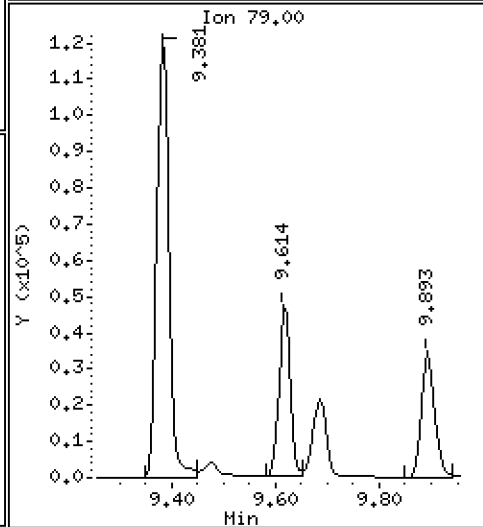
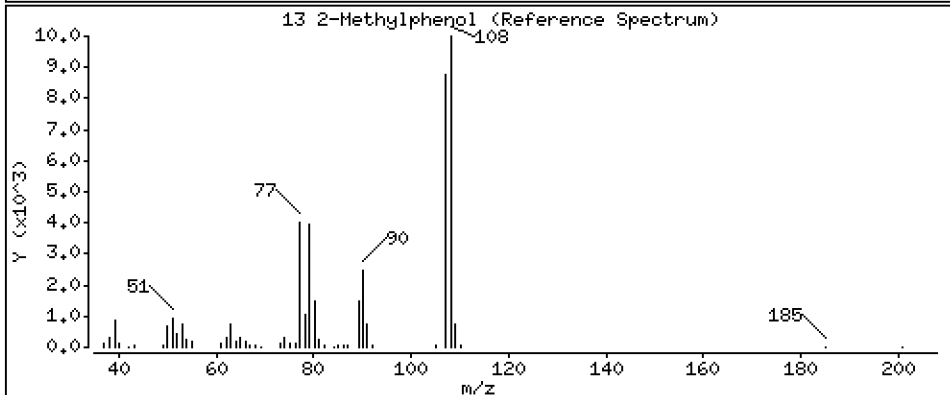
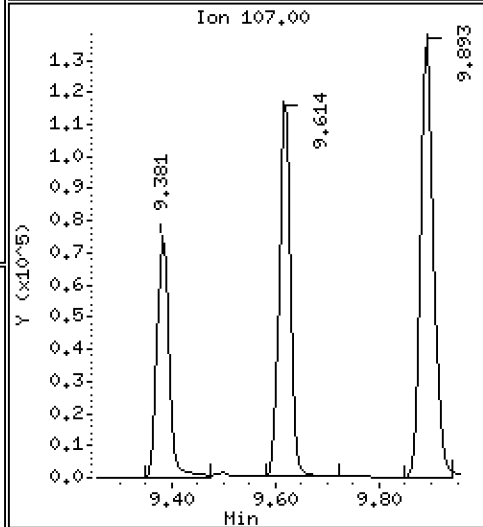
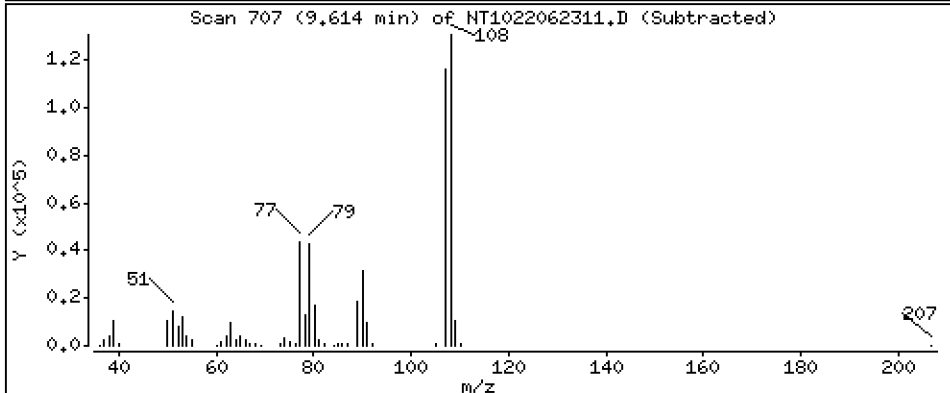
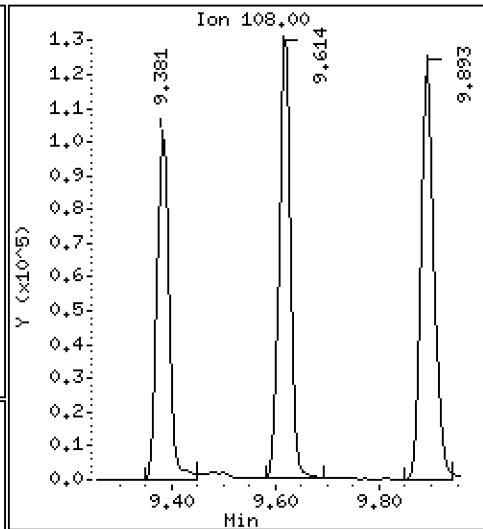
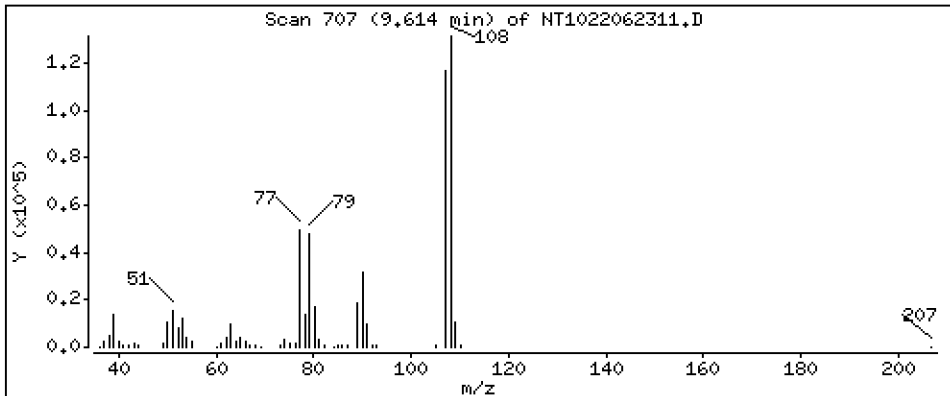
Operator: VTS

Column phase: ZB-5msi

Column diameter: 0.25

13 2-Methylphenol

Concentration: 4.442 ug/mL



Date : 23-JUN-2022 15:20

Client ID:

Instrument: nt10.i

Sample Info: SKF0270-SCV1

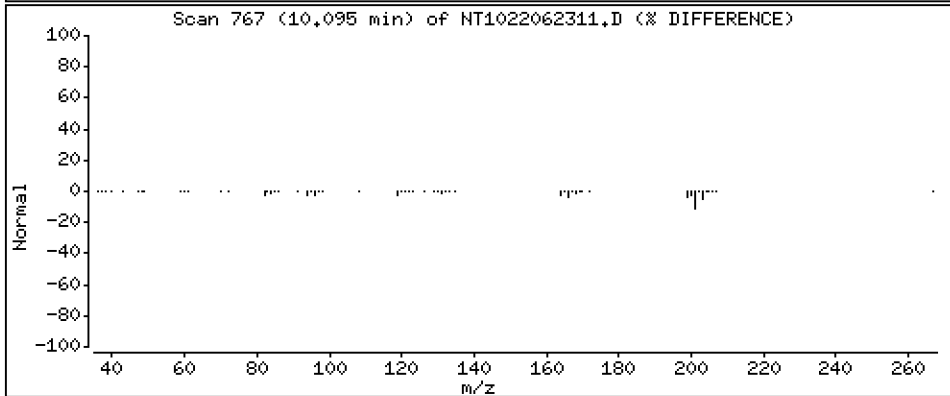
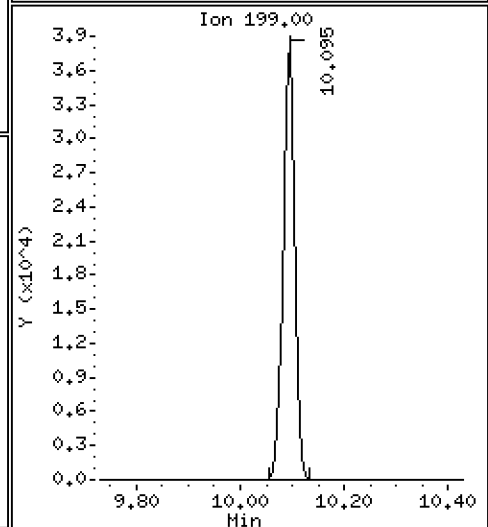
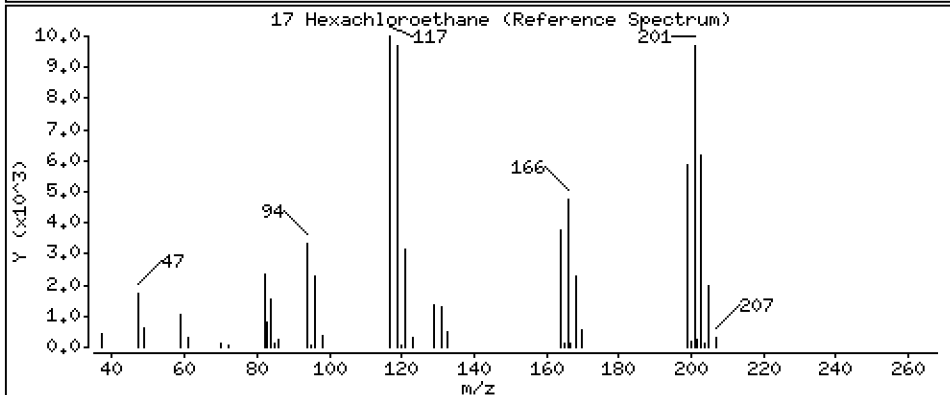
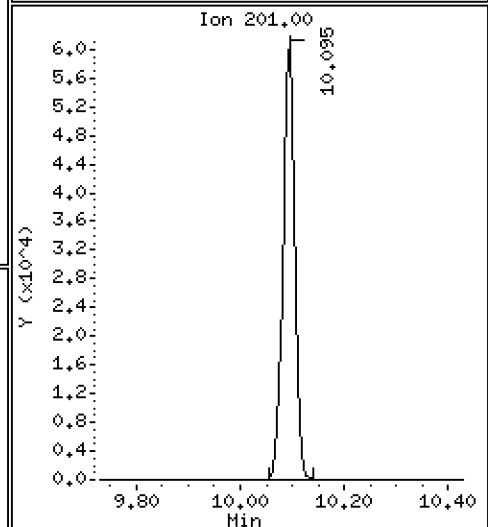
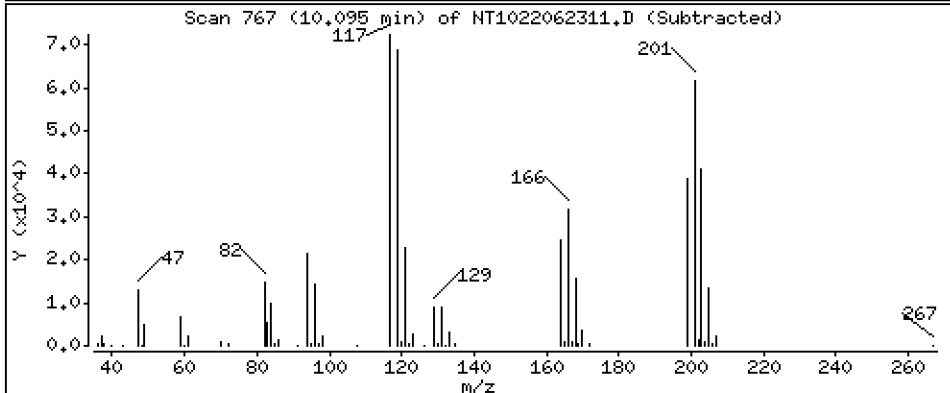
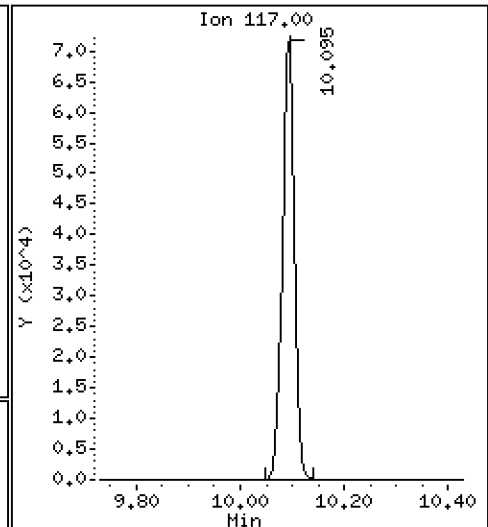
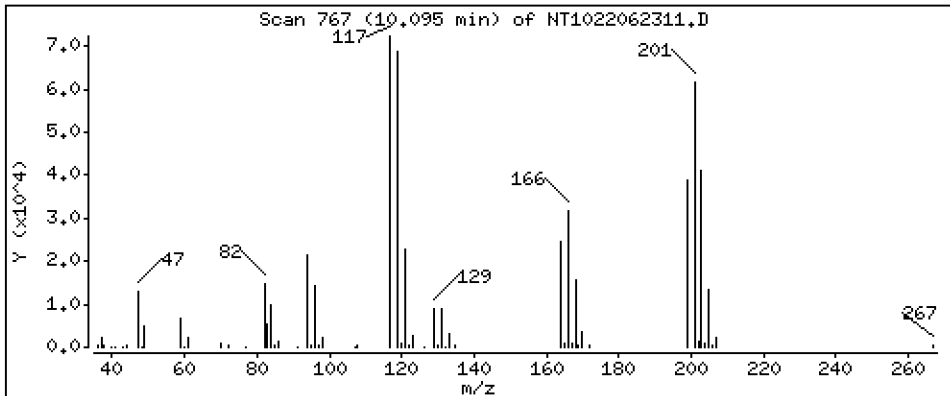
Operator: VTS

Column phase: ZB-5msi

Column diameter: 0,25

17 Hexachloroethane

Concentration: 5,296 ug/mL



Date : 23-JUN-2022 15:20

Client ID:

Instrument: nt10.i

Sample Info: SKF0270-SCV1

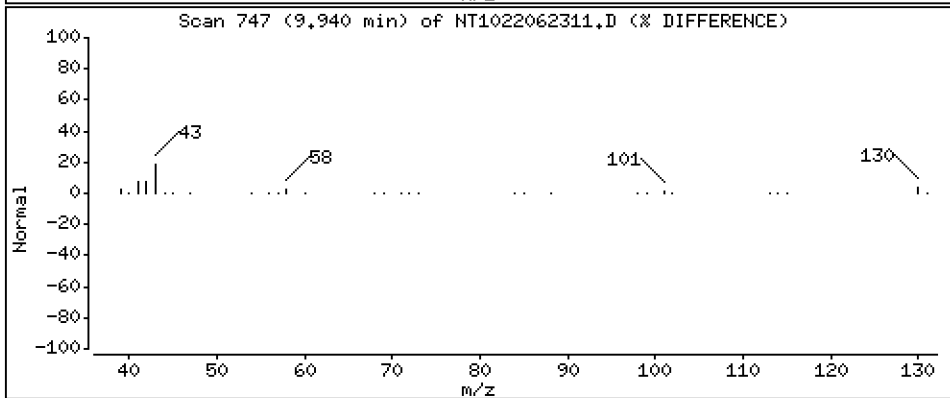
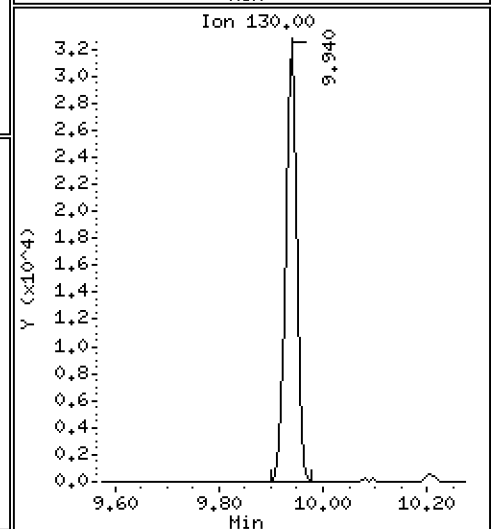
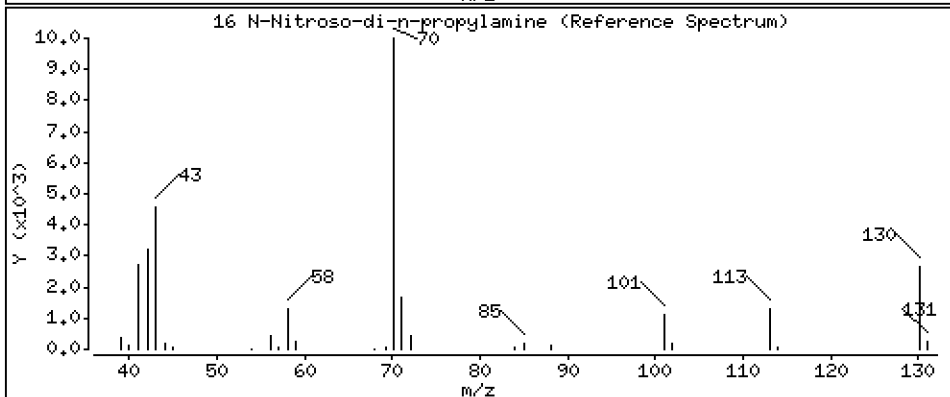
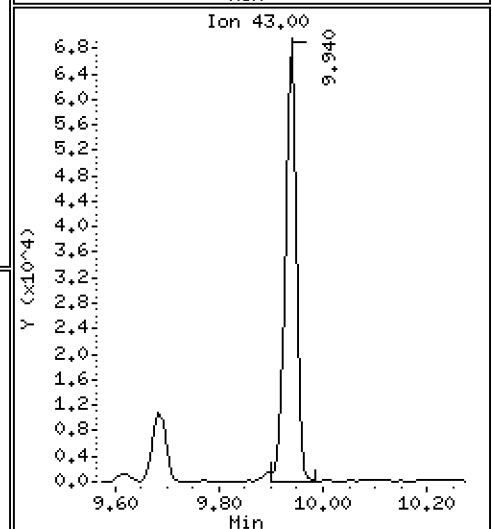
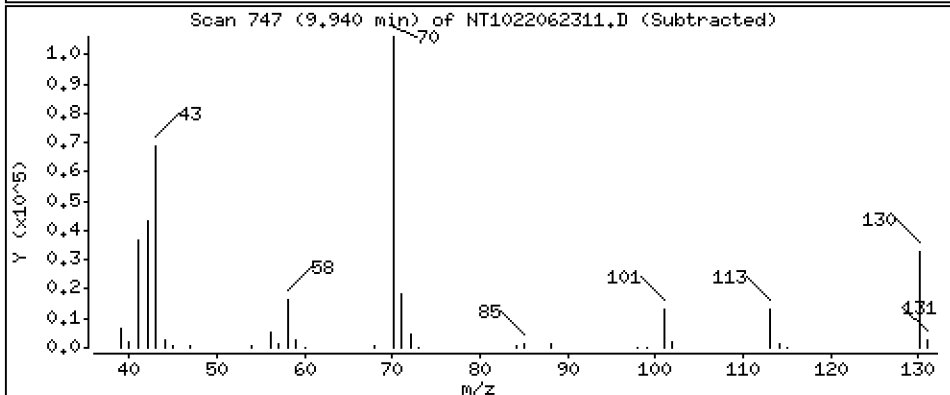
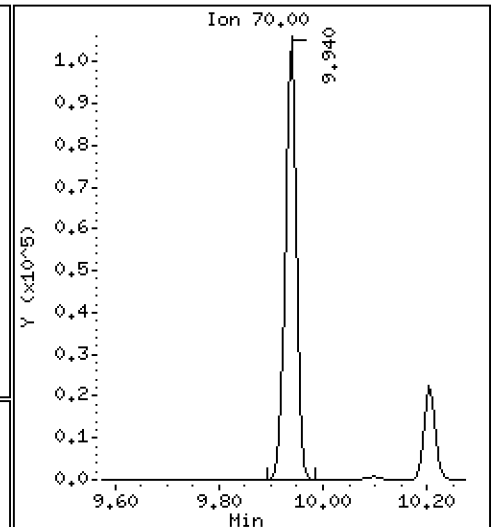
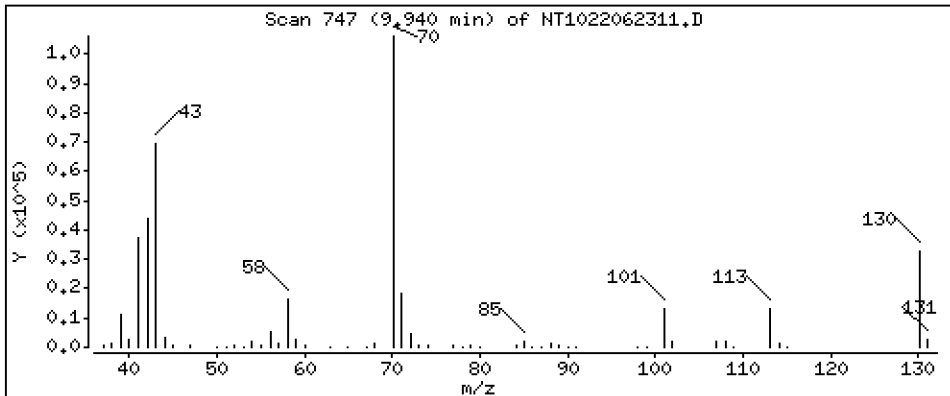
Operator: VTS

Column phase: ZB-5msi

Column diameter: 0,25

16 N-Nitroso-di-n-propylamine

Concentration: 5,116 ug/mL



Date : 23-JUN-2022 15:20

Client ID:

Instrument: nt10.i

Sample Info: SKF0270-SCV1

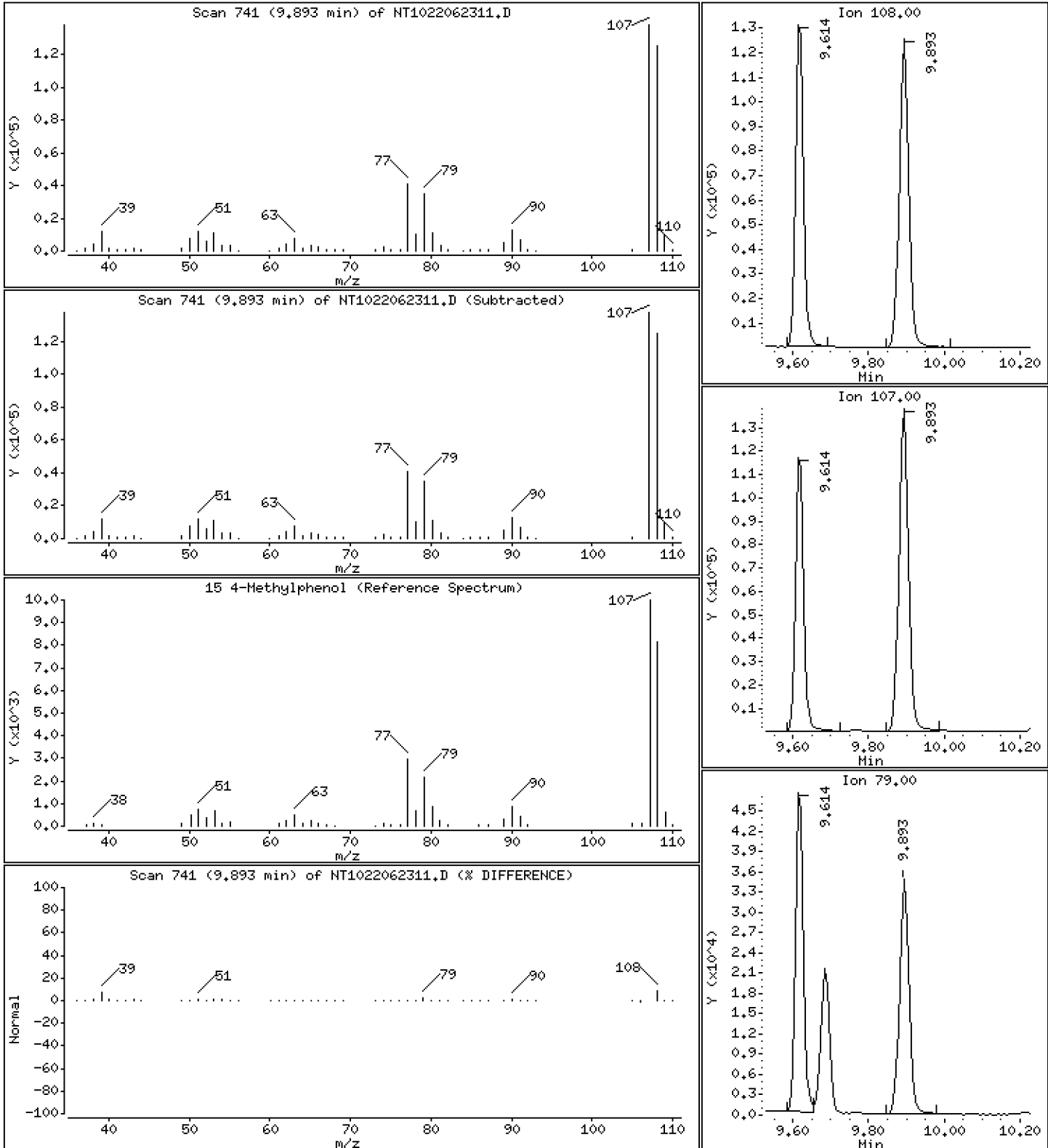
Operator: VTS

Column phase: ZB-5msi

Column diameter: 0,25

15 4-Methylphenol

Concentration: 4,592 ug/mL



Date : 23-JUN-2022 15:20

Client ID:

Instrument: nt10.i

Sample Info: SKF0270-SCV1

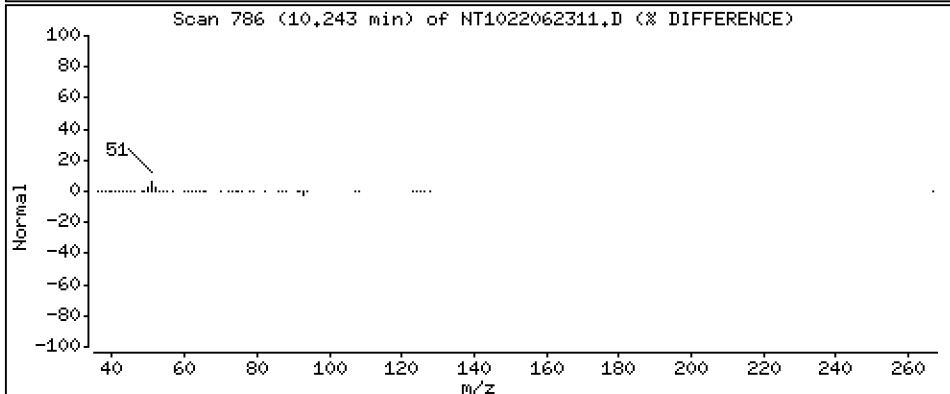
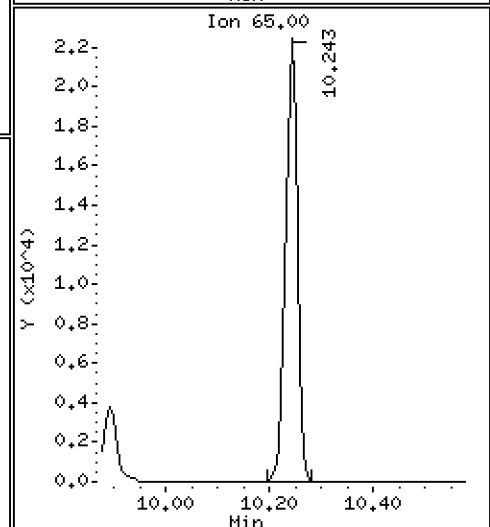
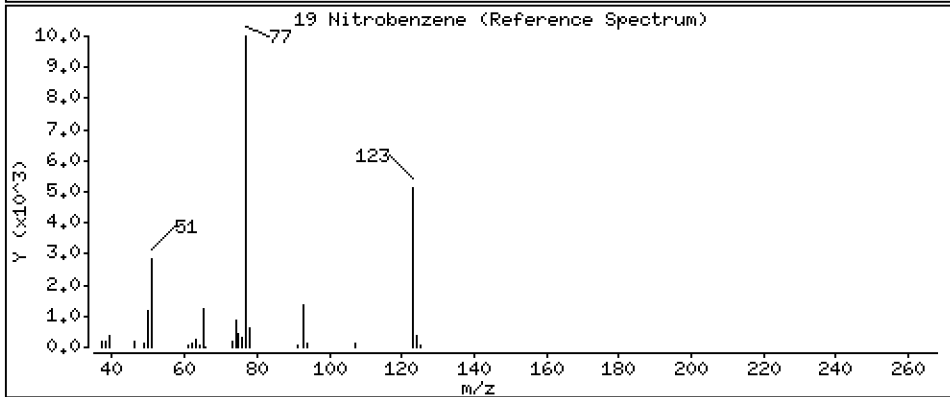
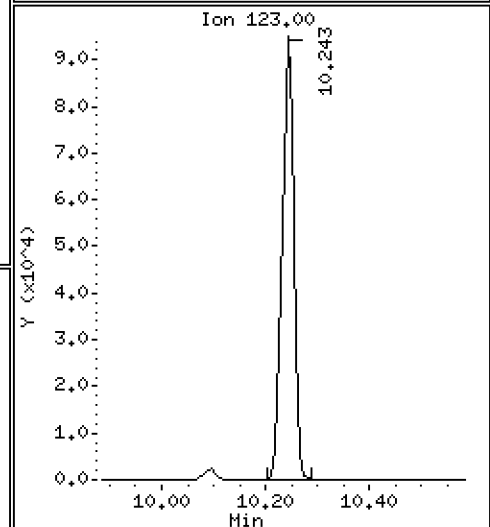
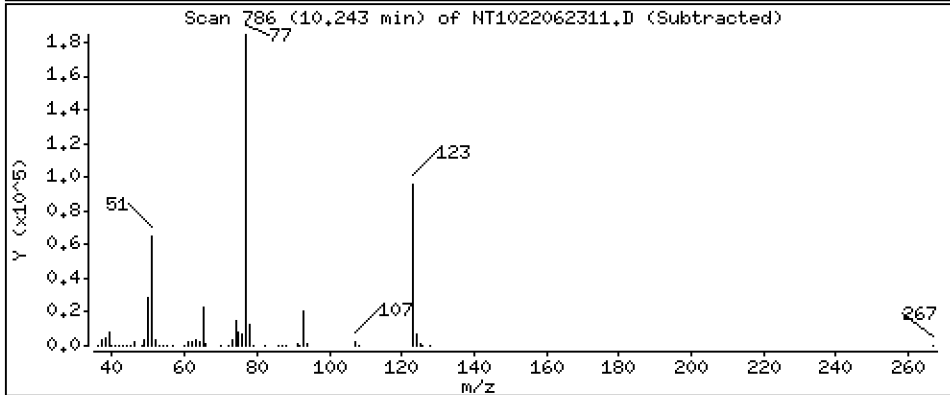
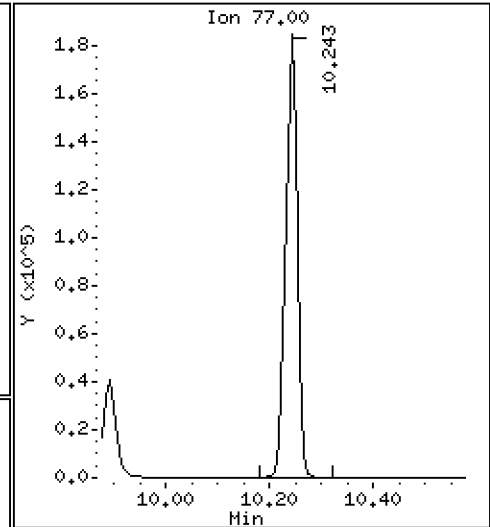
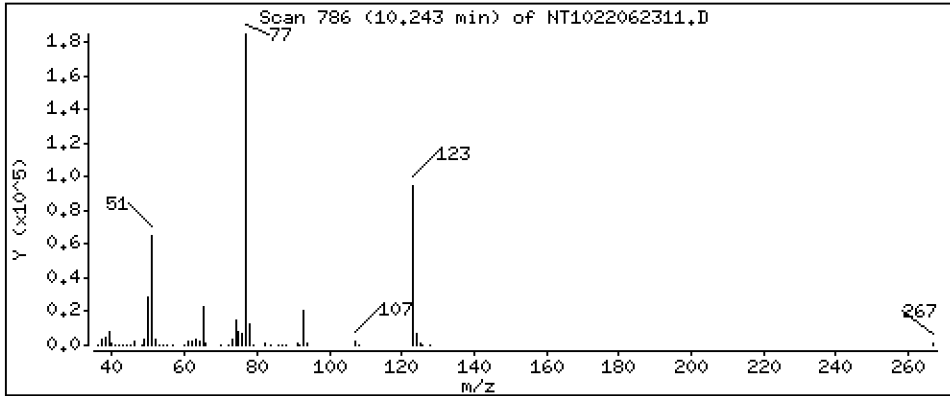
Operator: VTS

Column phase: ZB-5msi

Column diameter: 0,25

19 Nitrobenzene

Concentration: 5,138 ug/mL



Date : 23-JUN-2022 15:20

Client ID:

Instrument: nt10.i

Sample Info: SKF0270-SCV1

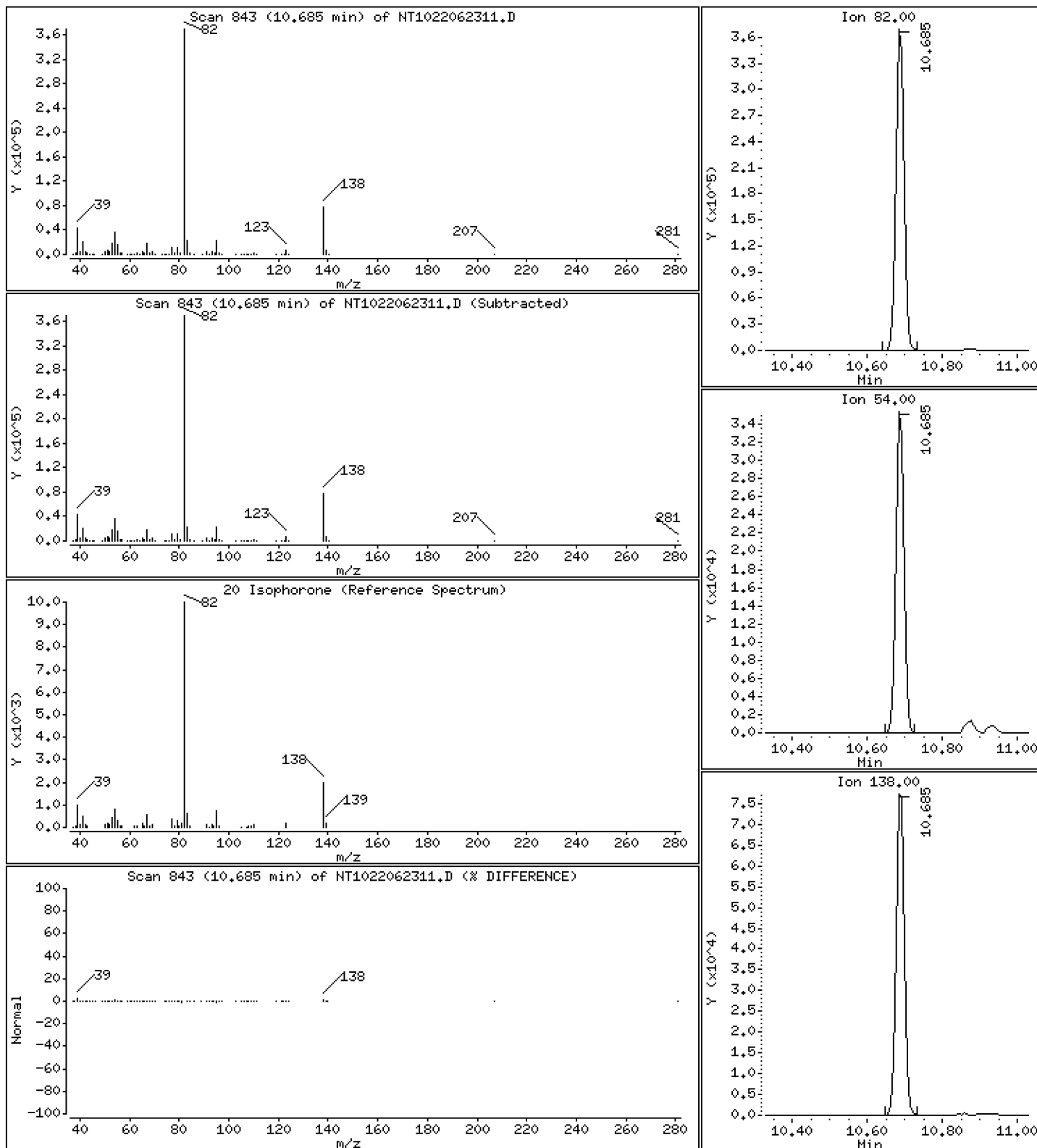
Operator: VTS

Column phase: ZB-5msi

Column diameter: 0,25

20 Isophorone

Concentration: 7,412 ug/mL



Date : 23-JUN-2022 15:20

Client ID:

Instrument: nt10.i

Sample Info: SKF0270-SCV1

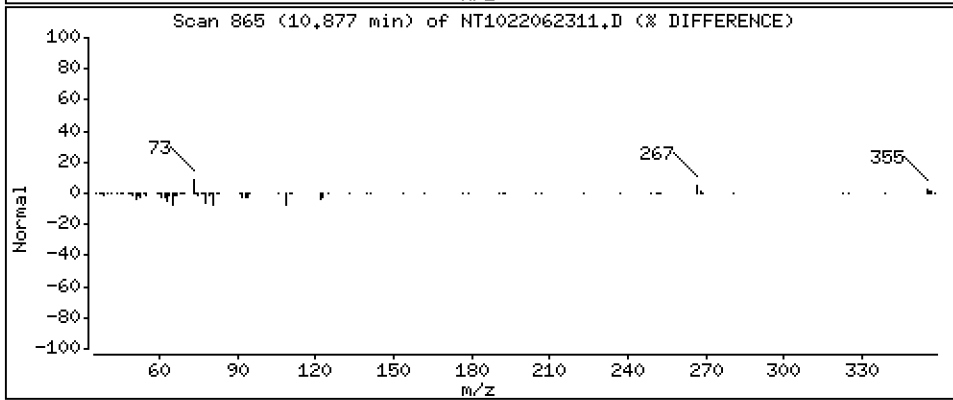
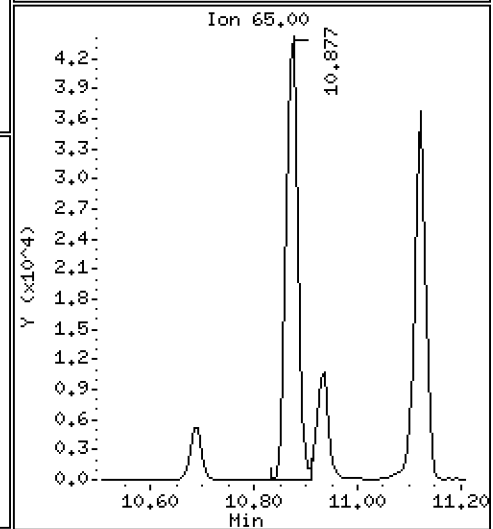
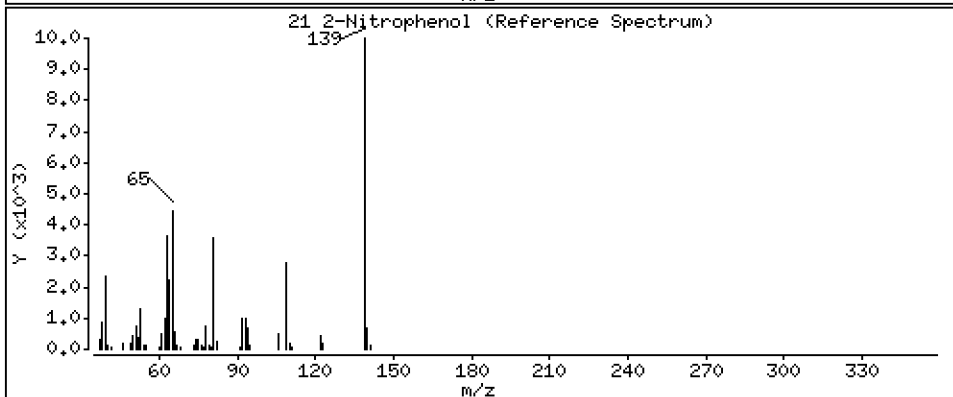
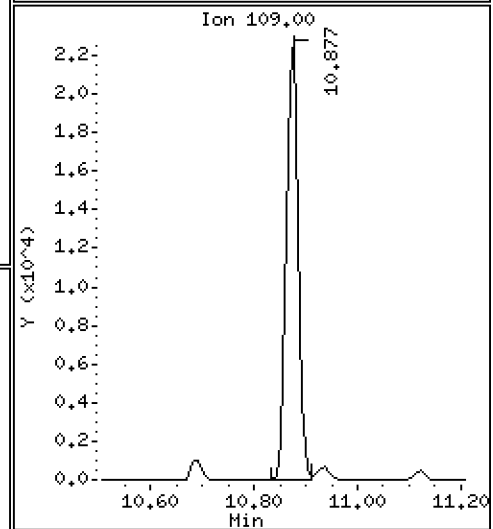
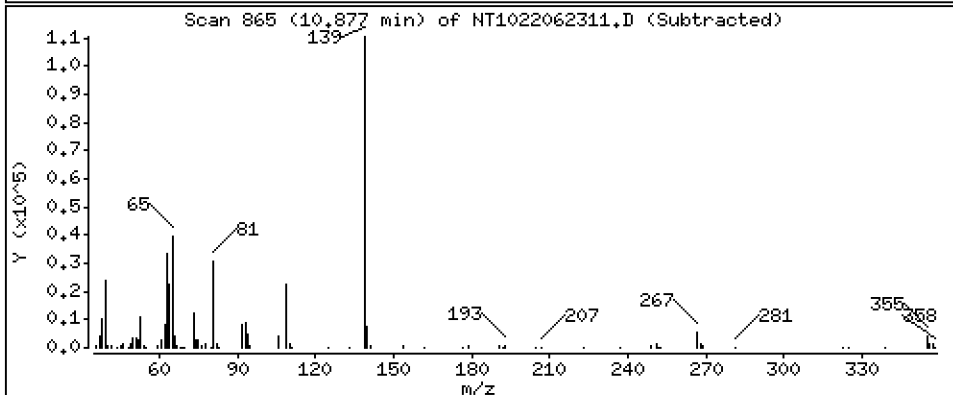
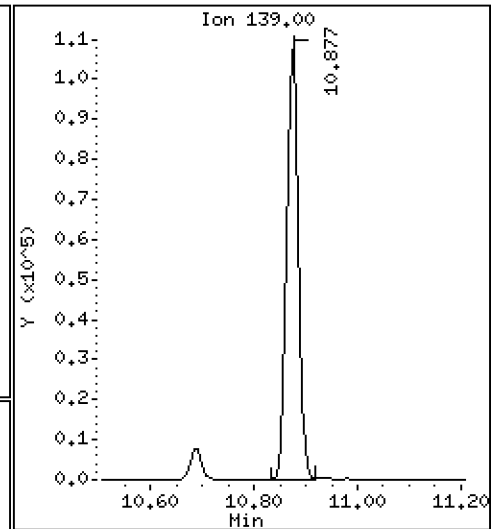
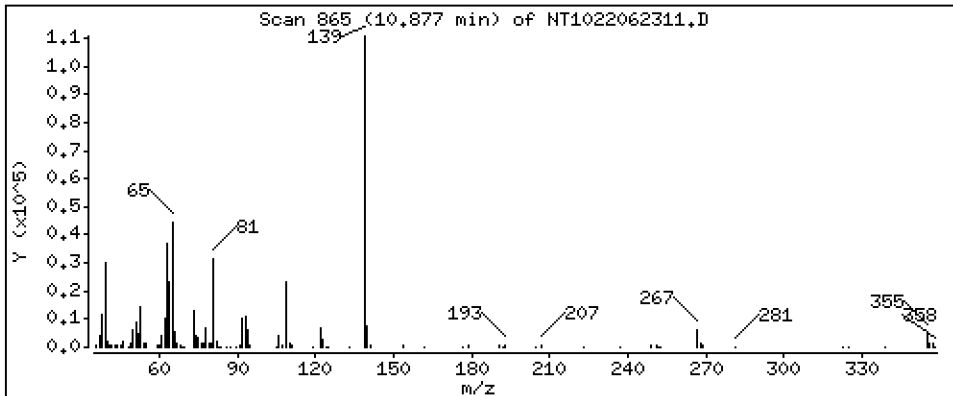
Operator: VTS

Column phase: ZB-5msi

Column diameter: 0,25

21 2-Nitrophenol

Concentration: 5,128 ug/mL



Date : 23-JUN-2022 15:20

Client ID:

Instrument: nt10.i

Sample Info: SKF0270-SCV1

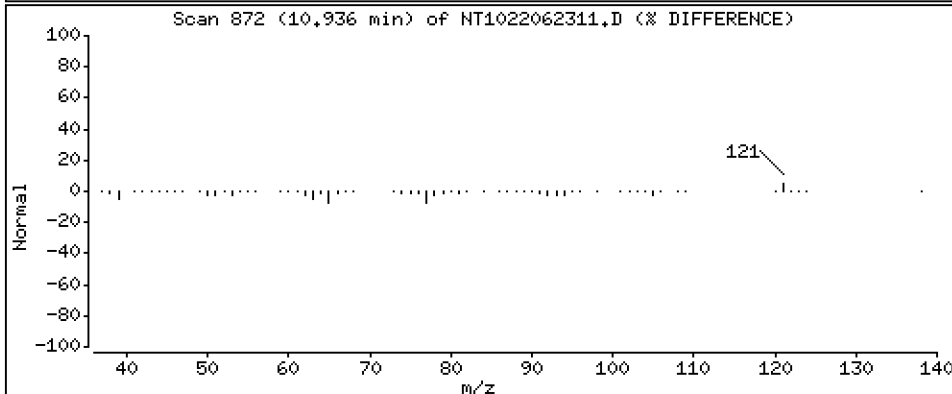
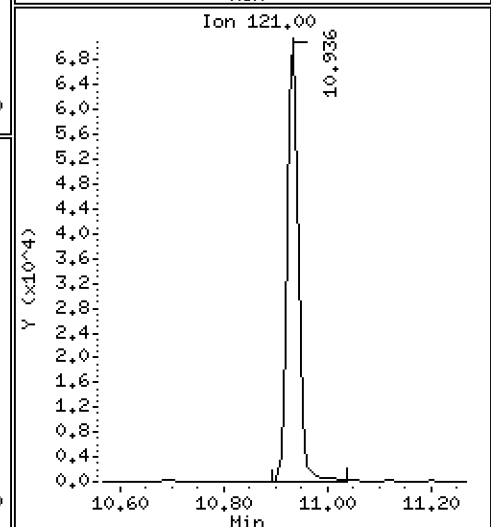
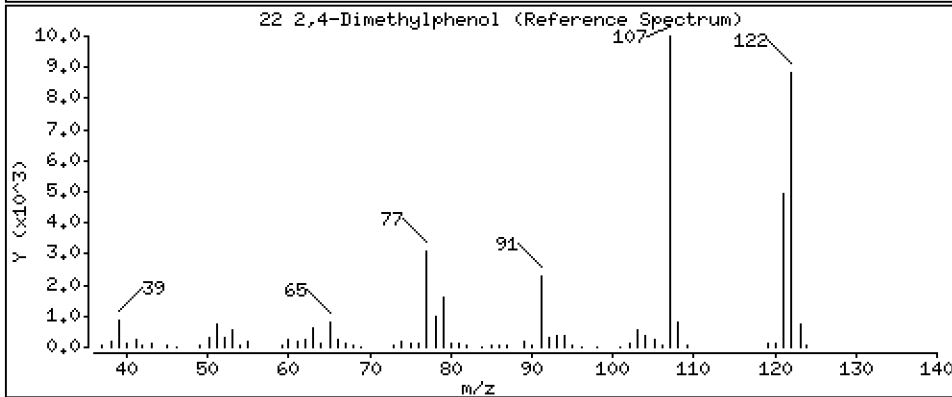
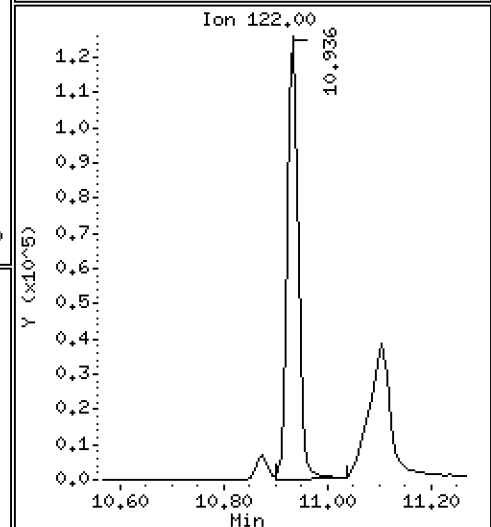
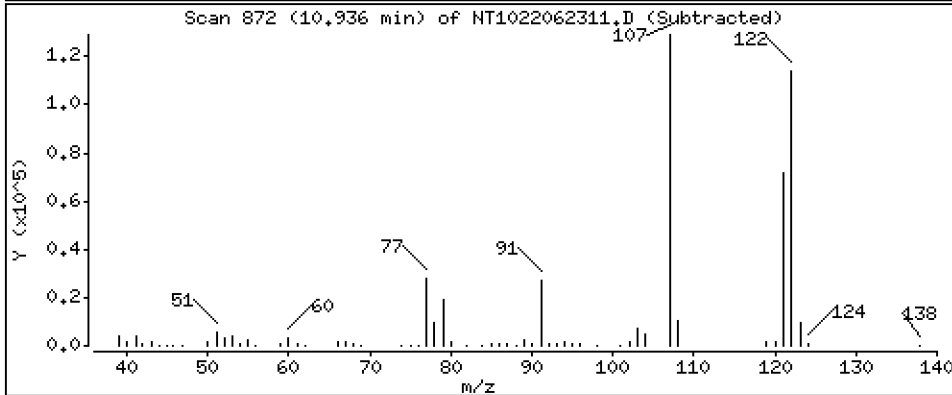
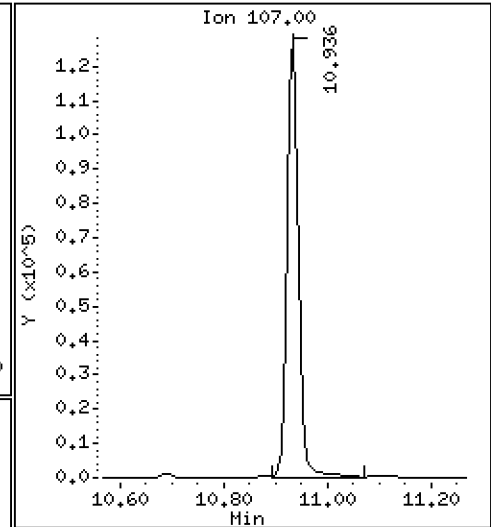
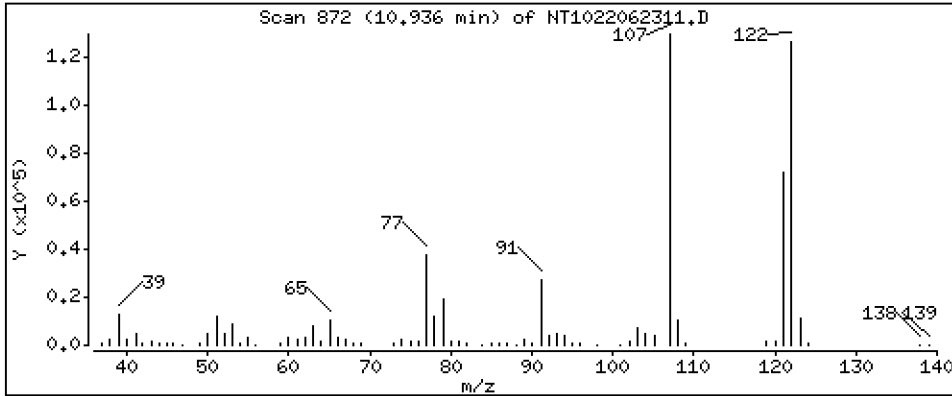
Operator: VTS

Column phase: ZB-5msi

Column diameter: 0,25

22 2,4-Dimethylphenol

Concentration: 4,736 ug/mL



Date : 23-JUN-2022 15:20

Client ID:

Instrument: nt10.i

Sample Info: SKF0270-SCV1

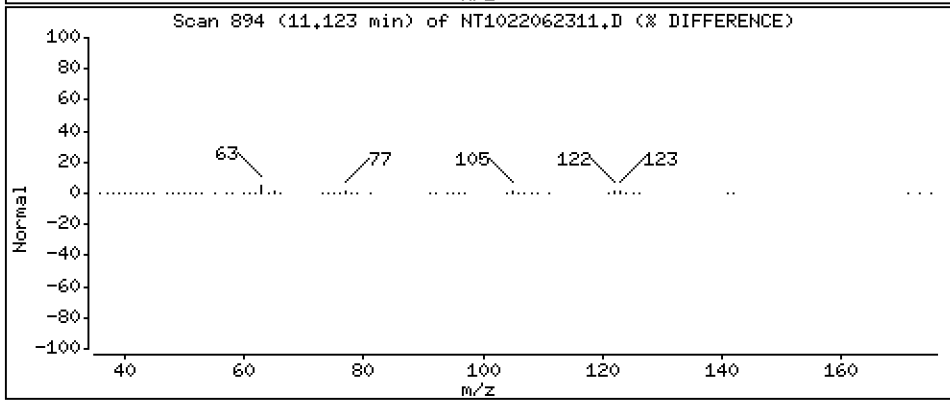
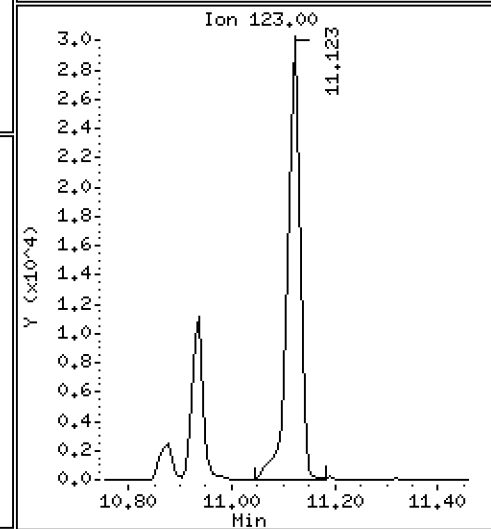
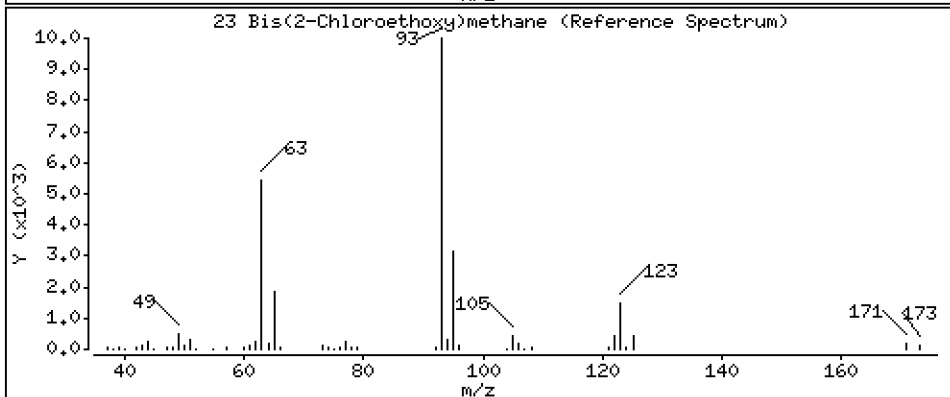
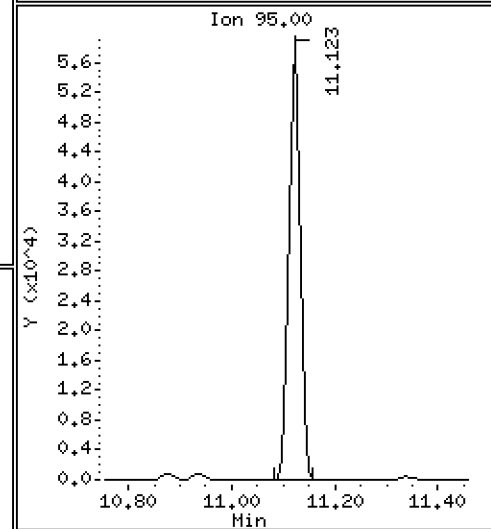
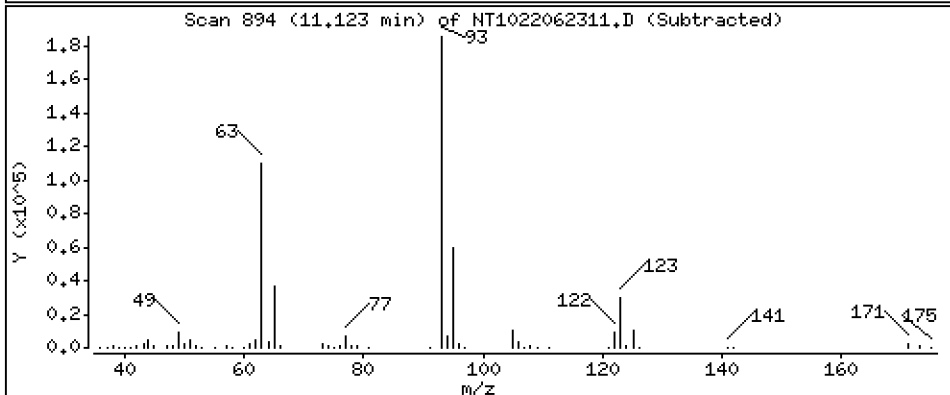
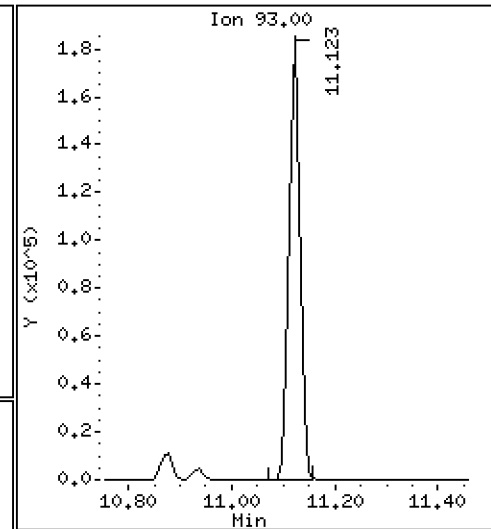
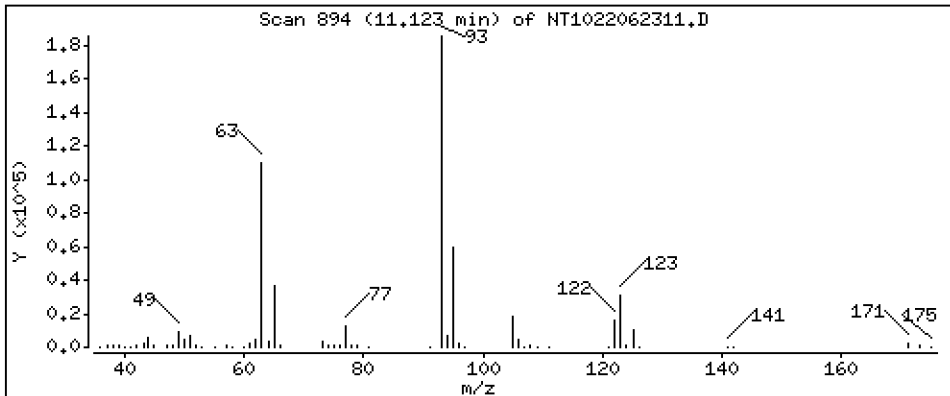
Operator: VTS

Column phase: ZB-5msi

Column diameter: 0,25

23 Bis(2-Chloroethoxy)methane

Concentration: 5,735 ug/mL



Date : 23-JUN-2022 15:20

Client ID:

Instrument: nt10.i

Sample Info: SKF0270-SCV1

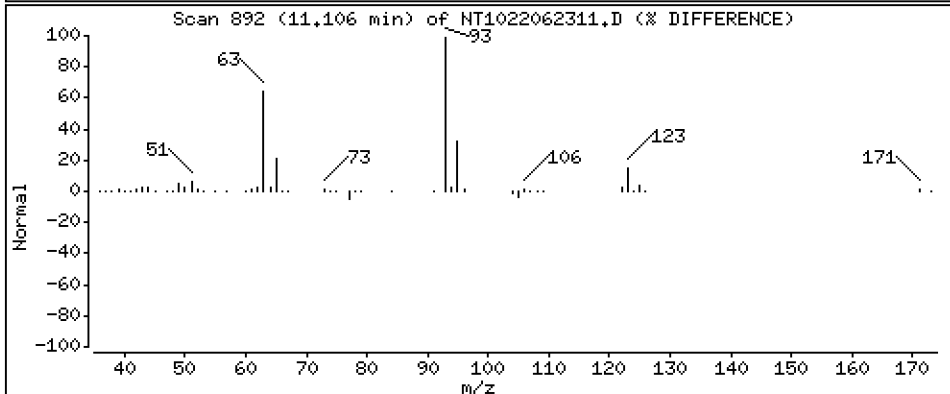
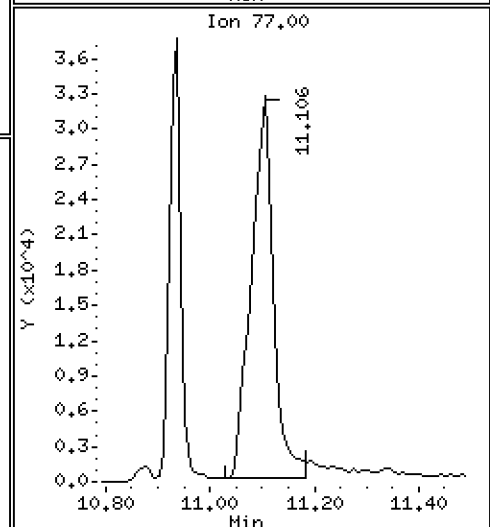
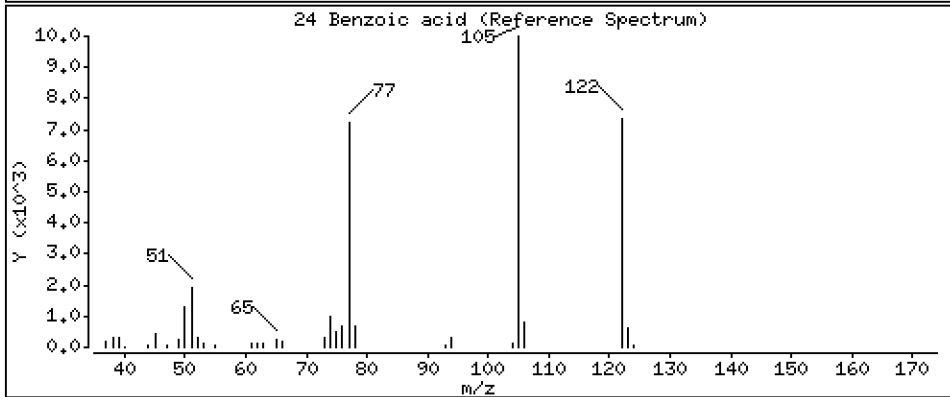
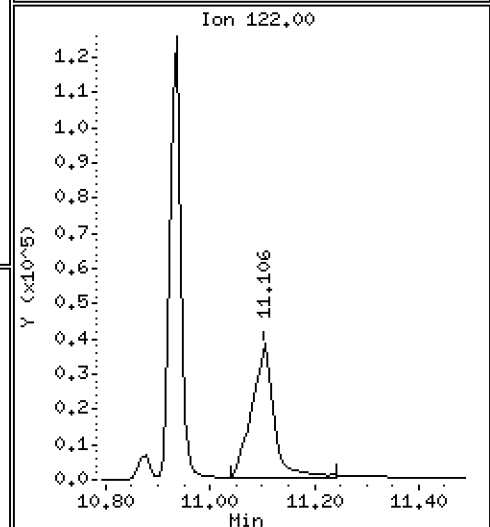
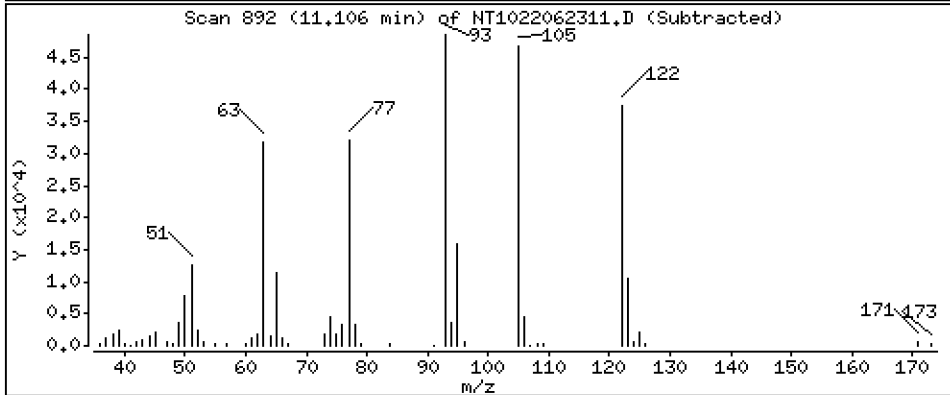
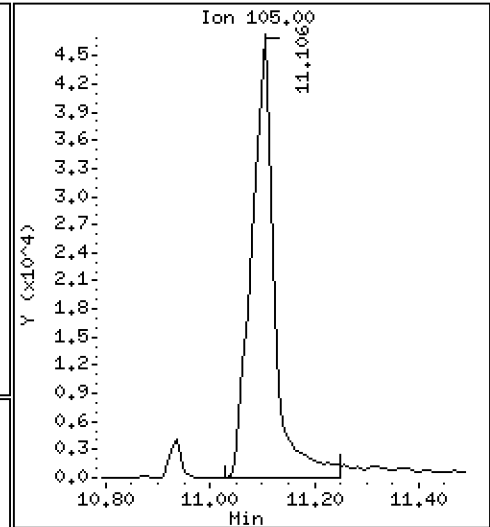
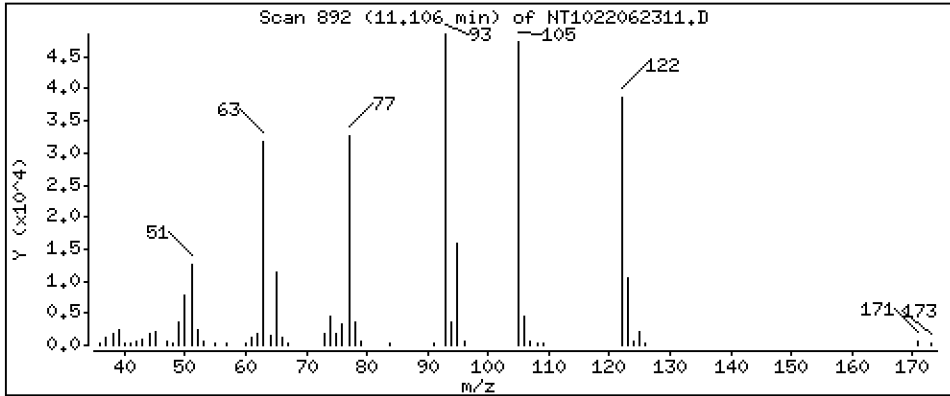
Operator: VTS

Column phase: ZB-5msi

Column diameter: 0,25

24 Benzoic acid

Concentration: 6,621 ug/mL



Date : 23-JUN-2022 15:20

Client ID:

Instrument: nt10.i

Sample Info: SKF0270-SCV1

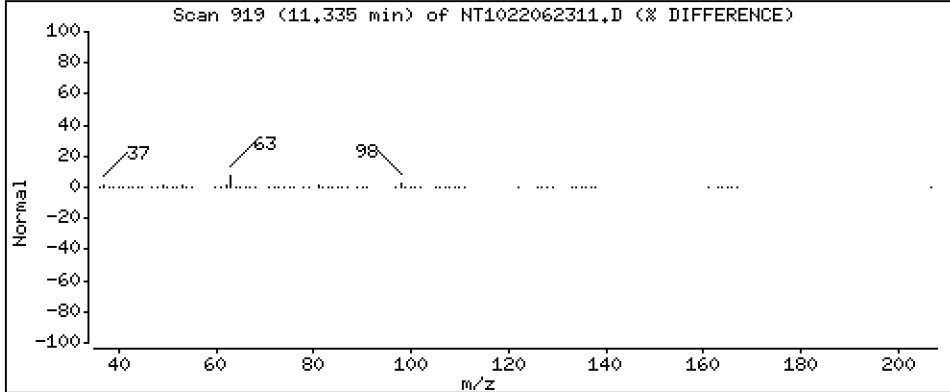
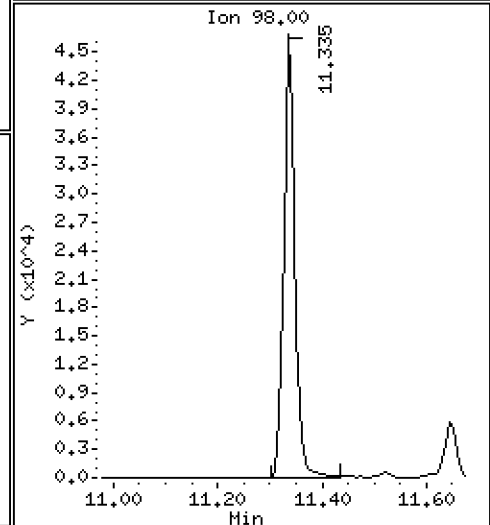
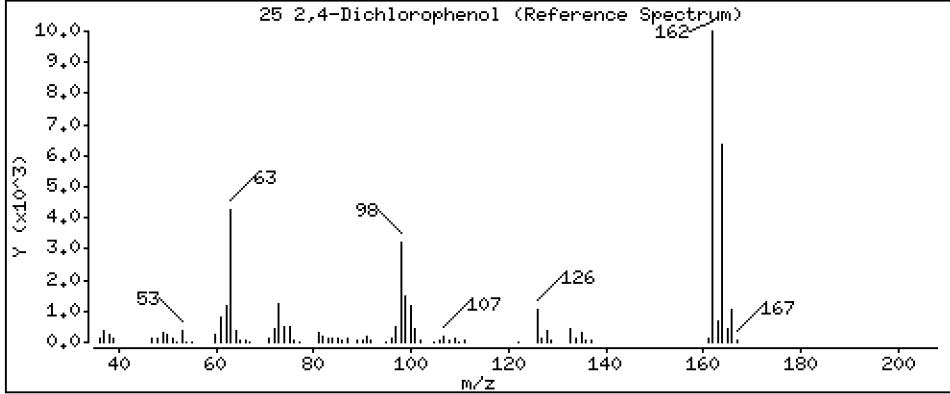
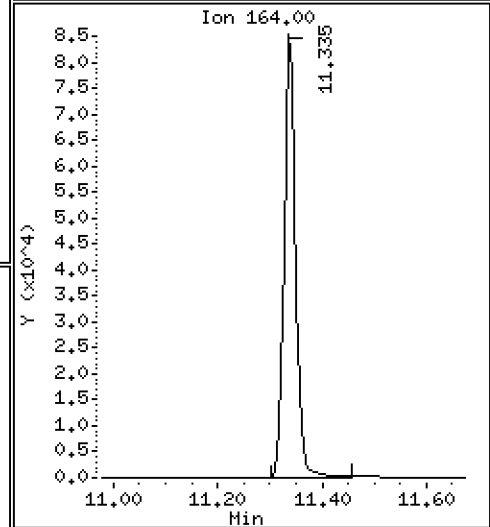
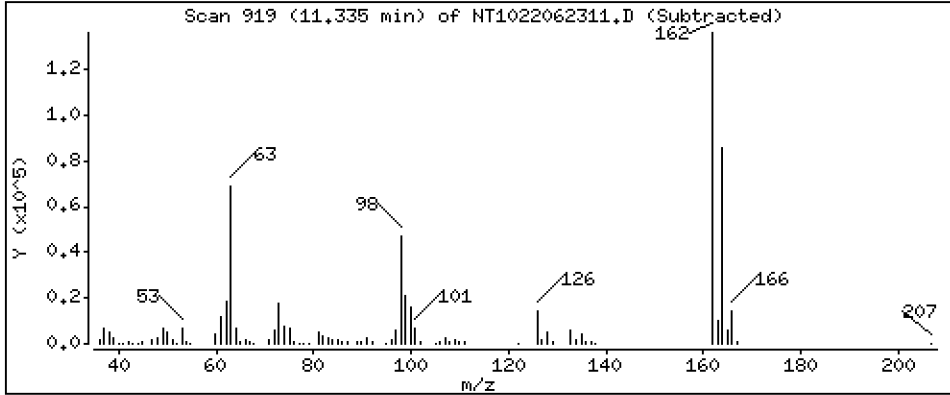
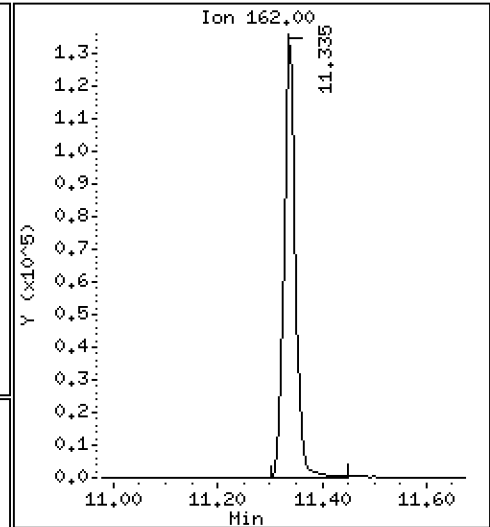
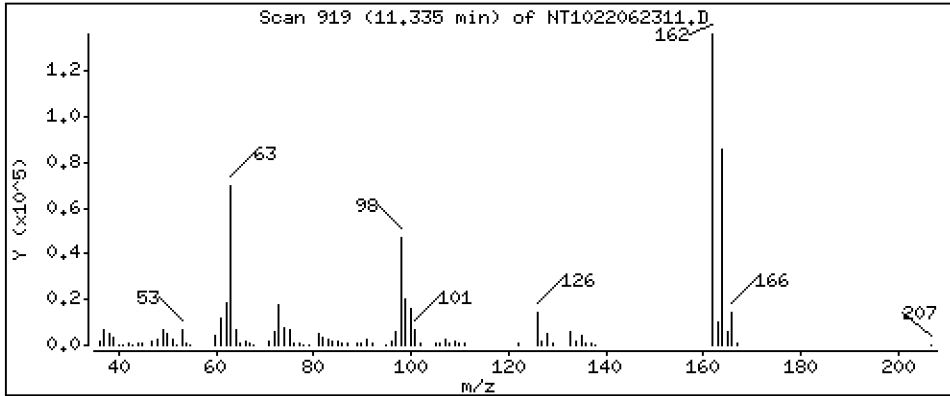
Operator: VTS

Column phase: ZB-5msi

Column diameter: 0,25

25 2,4-Dichlorophenol

Concentration: 5,545 ug/mL



Date : 23-JUN-2022 15:20

Client ID:

Instrument: nt10.i

Sample Info: SKF0270-SCV1

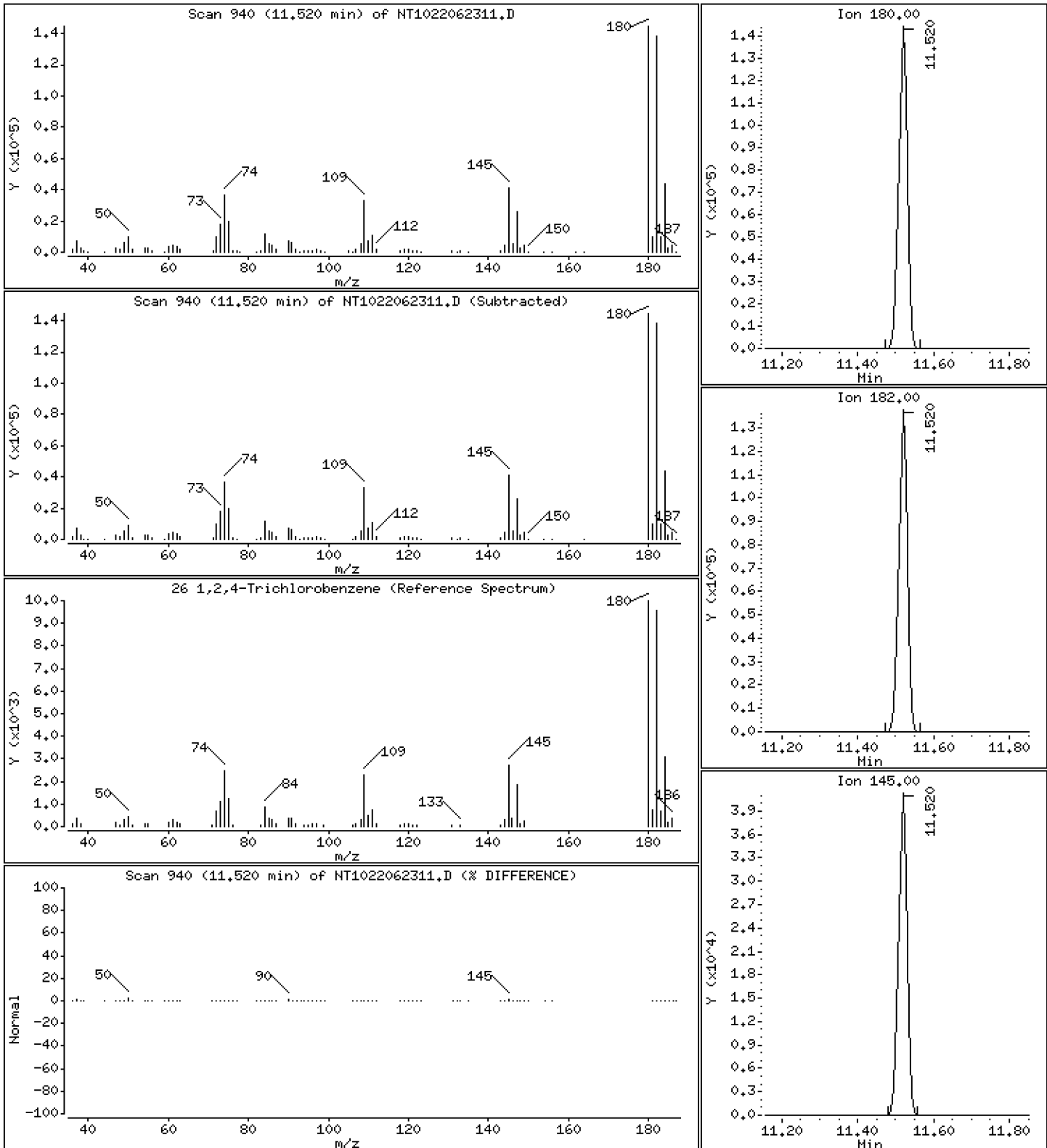
Operator: VTS

Column phase: ZB-5msi

Column diameter: 0,25

26 1,2,4-Trichlorobenzene

Concentration: 4,888 ug/mL



Date : 23-JUN-2022 15:20

Client ID:

Instrument: nt10.i

Sample Info: SKF0270-SCV1

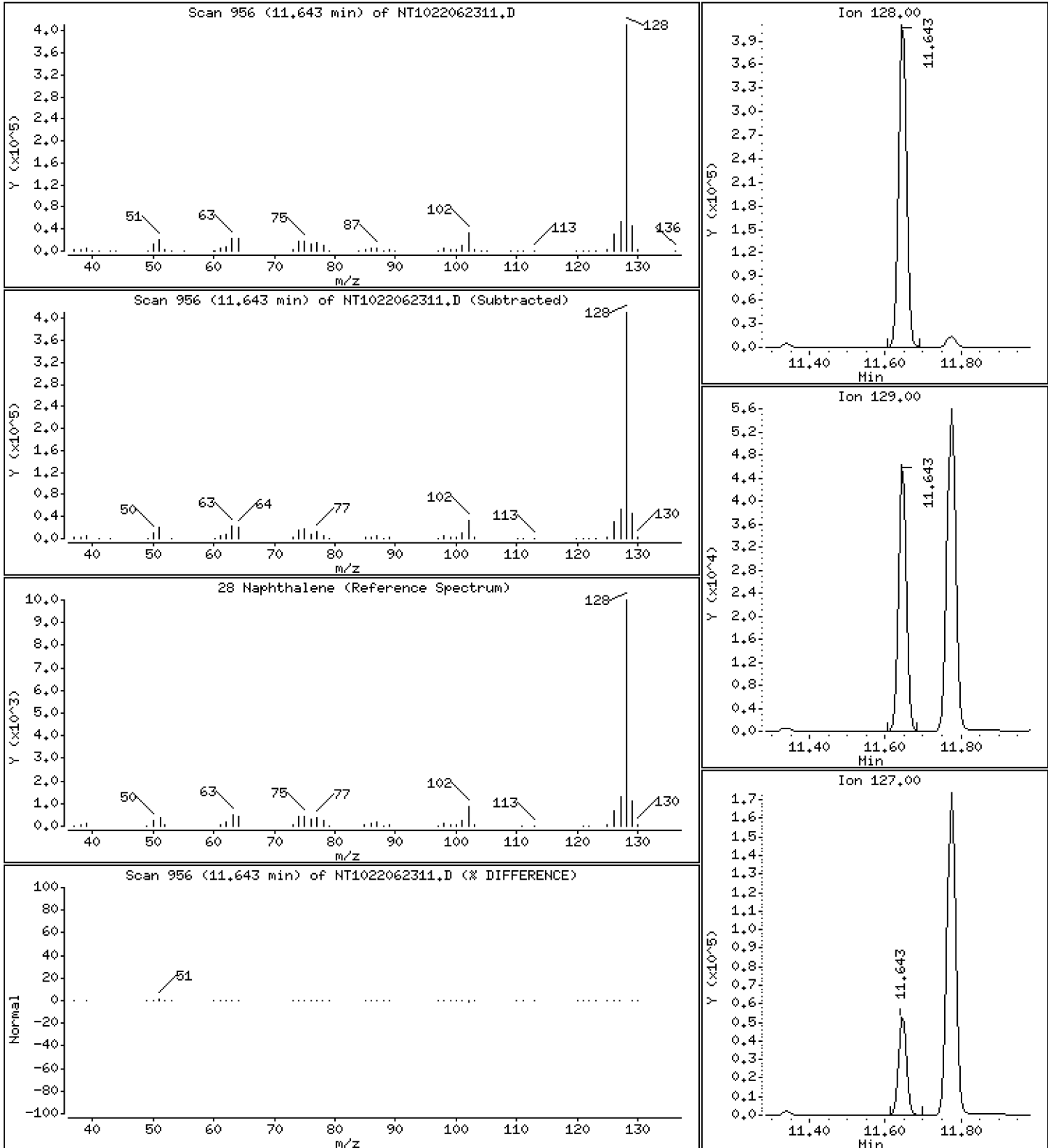
Operator: VTS

Column phase: ZB-5msi

Column diameter: 0,25

28 Naphthalene

Concentration: 4,947 ug/mL



Date : 23-JUN-2022 15:20

Client ID:

Instrument: nt10.i

Sample Info: SKF0270-SCV1

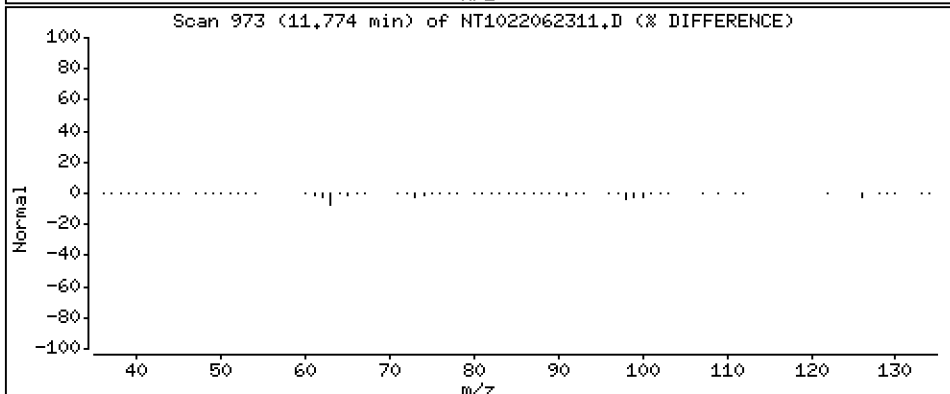
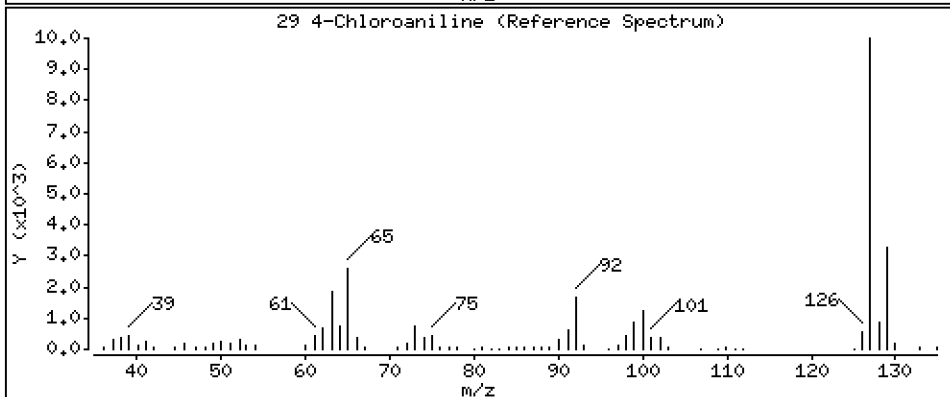
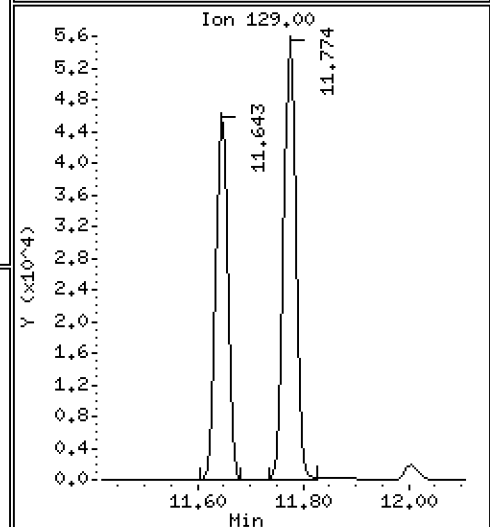
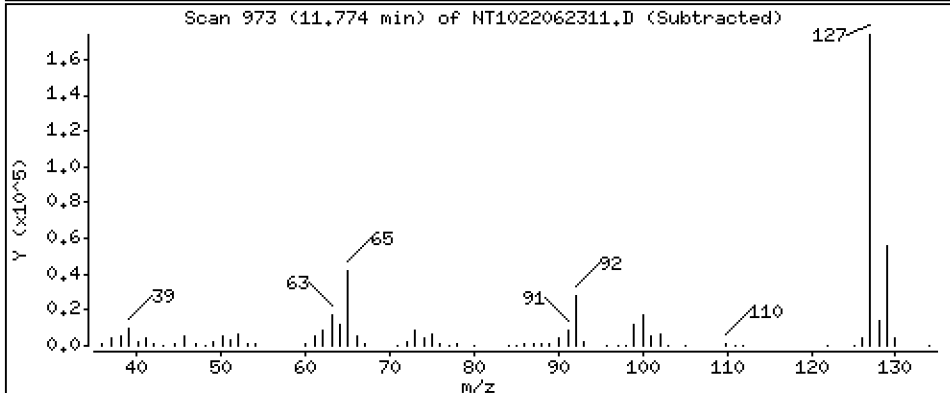
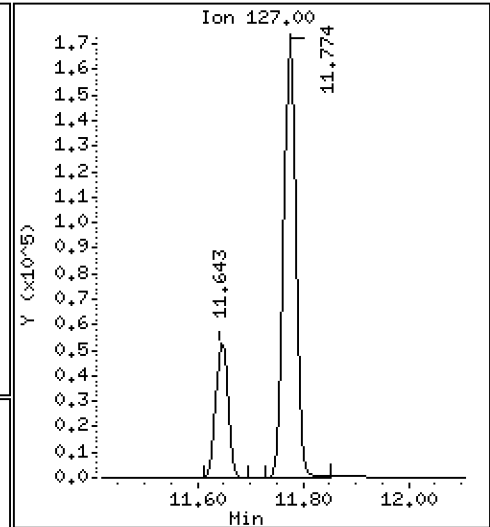
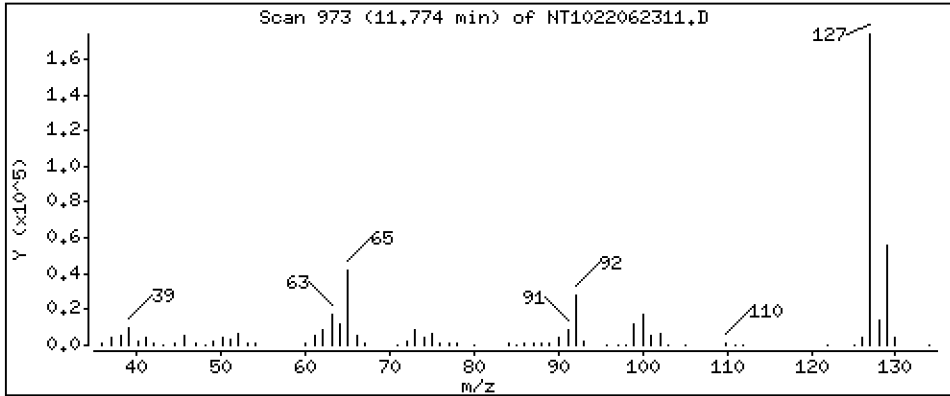
Operator: VTS

Column phase: ZB-5msi

Column diameter: 0,25

29 4-Chloroaniline

Concentration: 4,646 ug/mL



Date : 23-JUN-2022 15:20

Client ID:

Instrument: nt10.i

Sample Info: SKF0270-SCV1

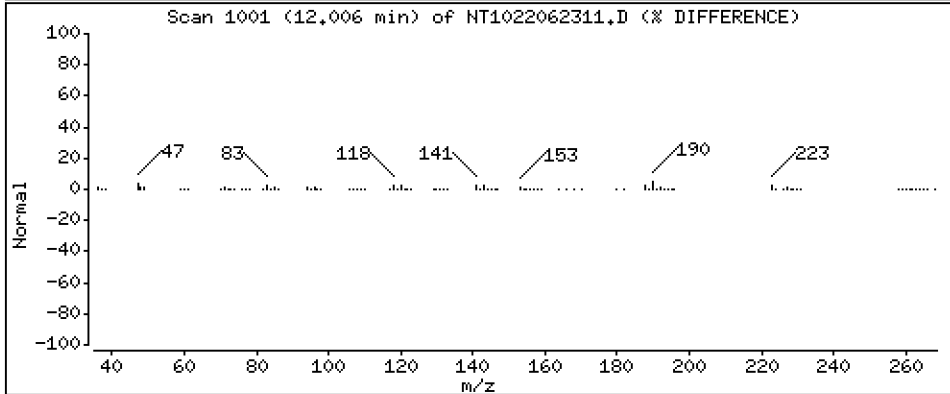
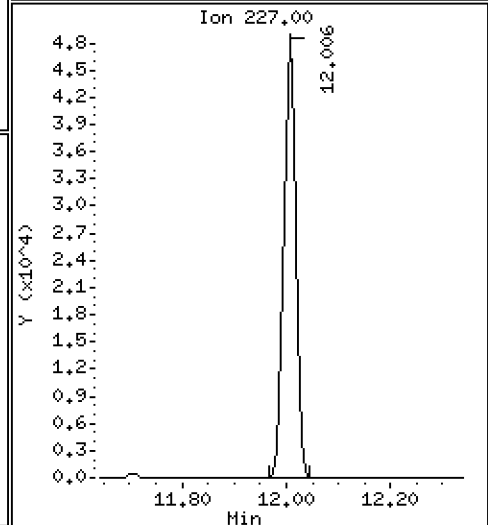
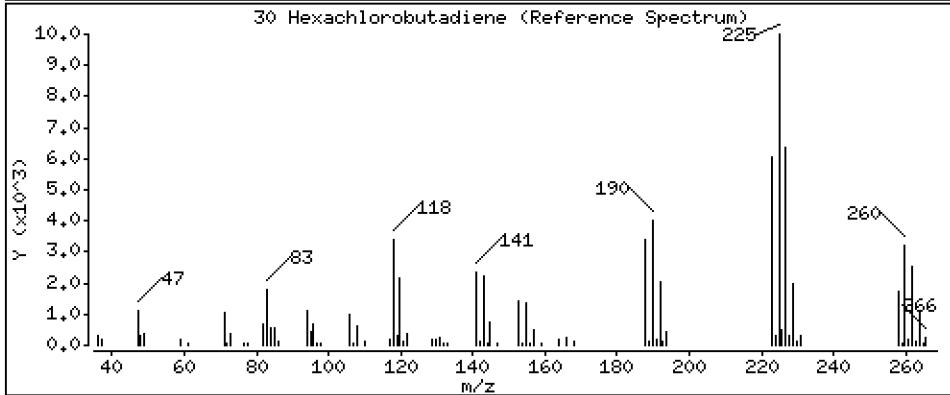
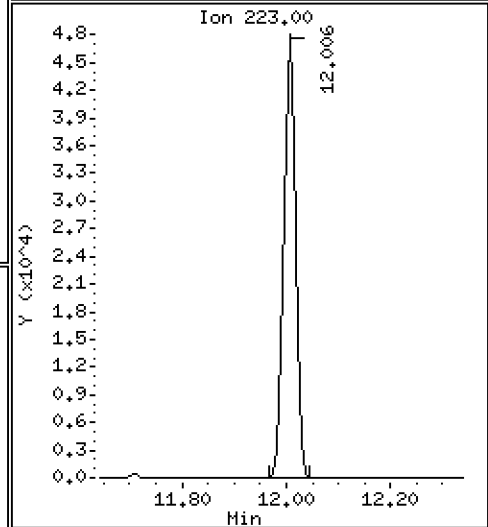
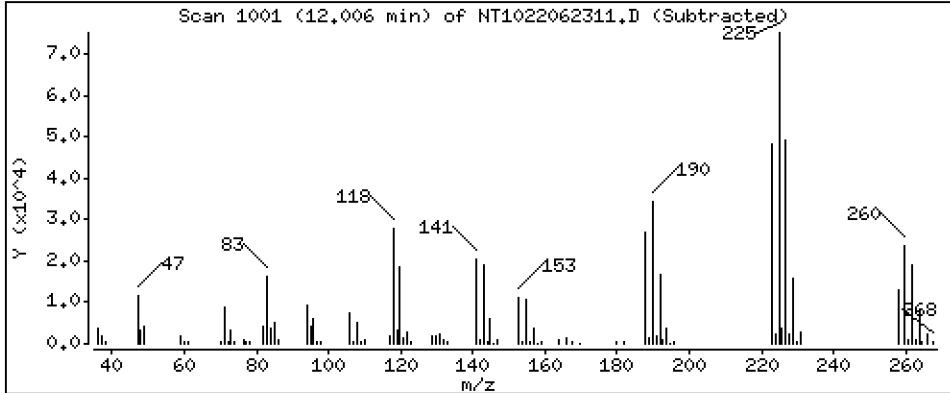
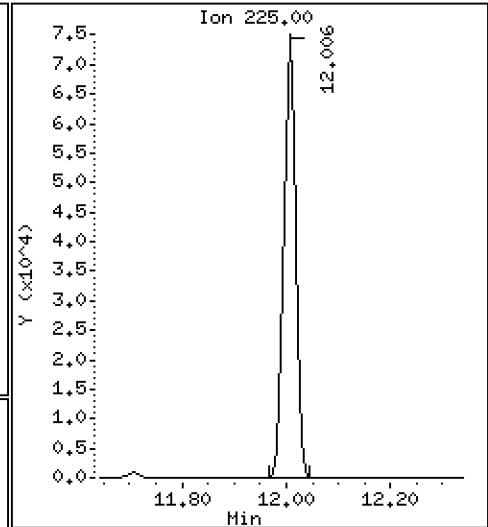
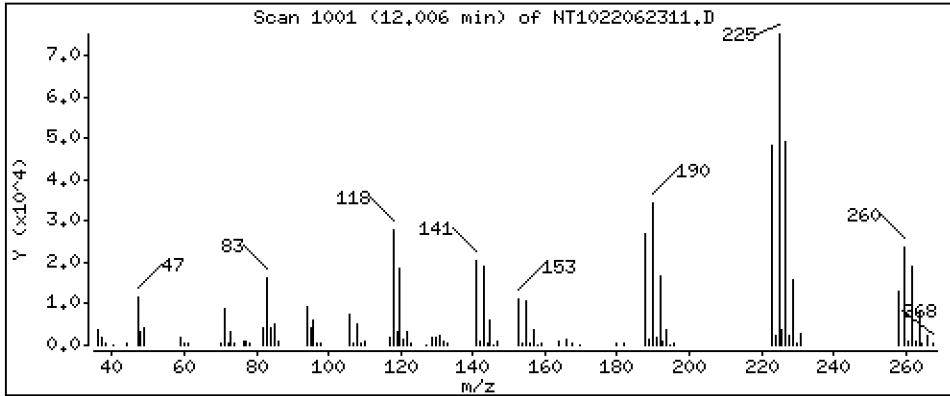
Operator: VTS

Column phase: ZB-5msi

Column diameter: 0,25

30 Hexachlorobutadiene

Concentration: 5,339 ug/mL



Date : 23-JUN-2022 15:20

Client ID:

Instrument: nt10.i

Sample Info: SKF0270-SCV1

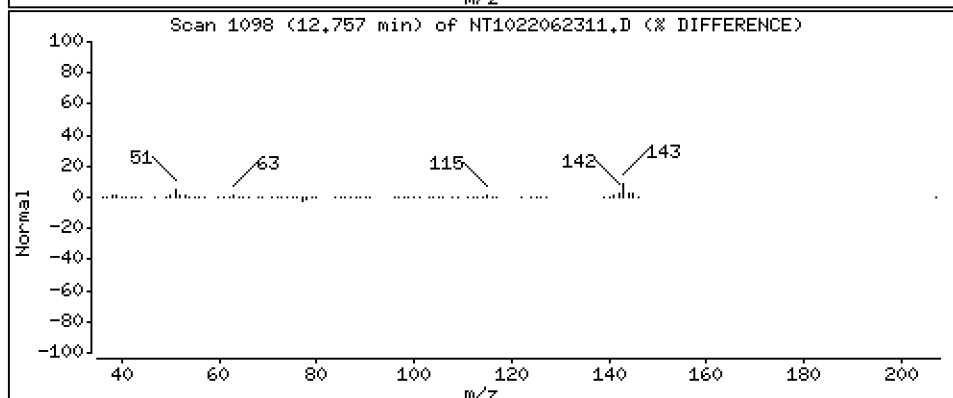
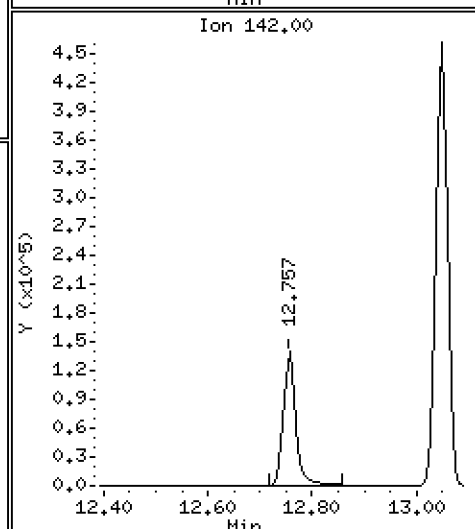
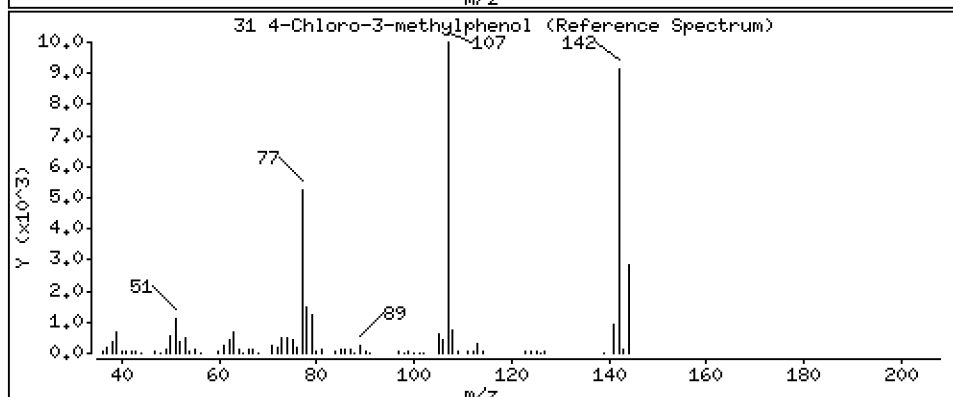
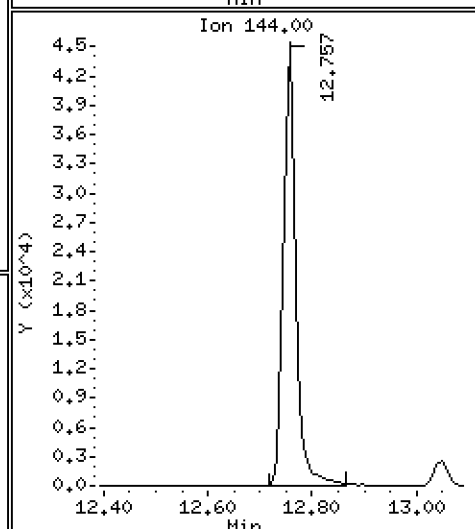
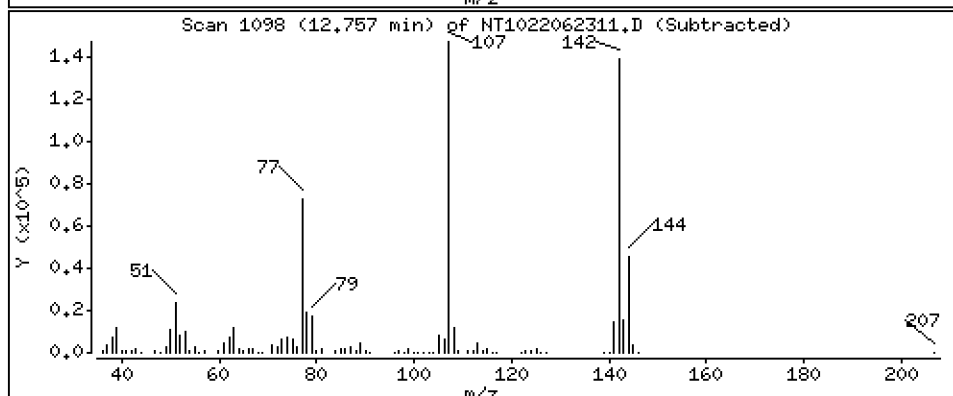
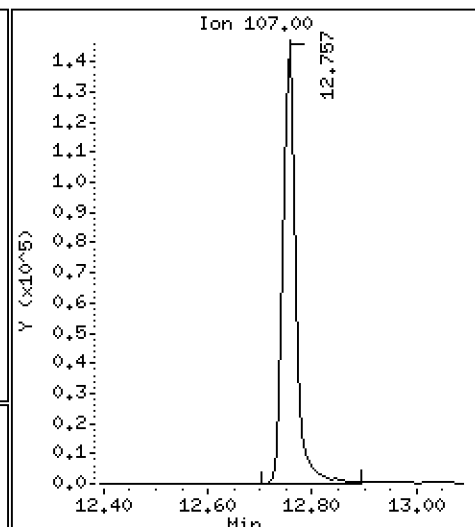
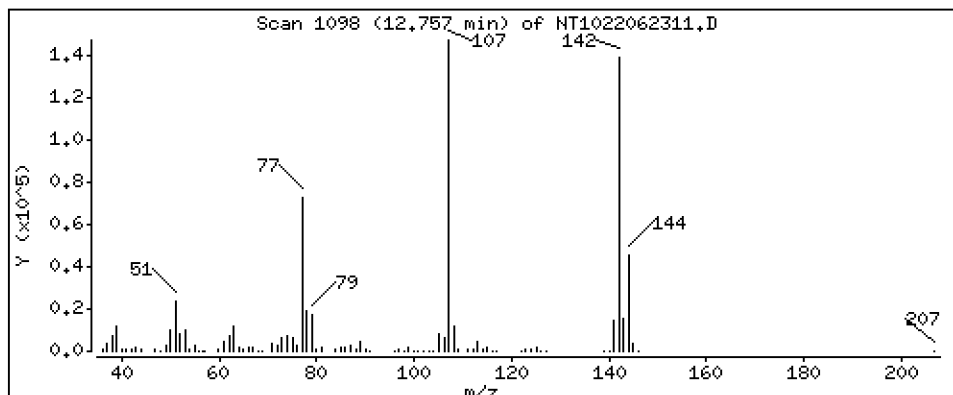
Operator: VTS

Column phase: ZB-5msi

Column diameter: 0,25

31 4-Chloro-3-methylphenol

Concentration: 4,853 ug/mL



Date : 23-JUN-2022 15:20

Client ID:

Instrument: nt10.i

Sample Info: SKF0270-SCV1

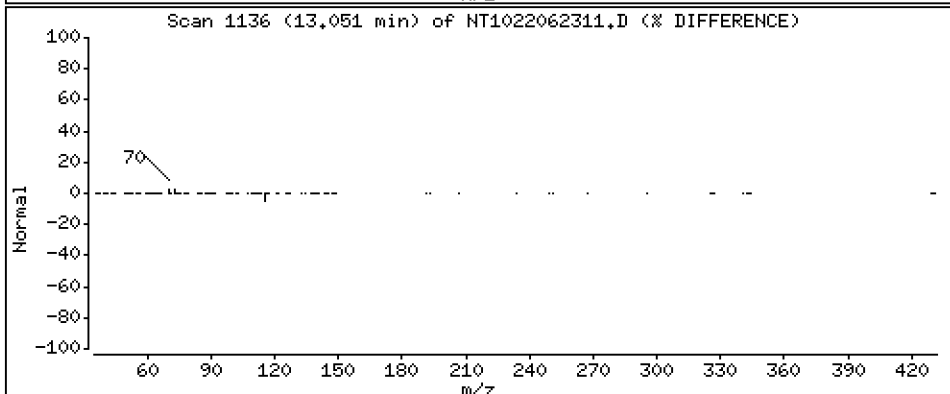
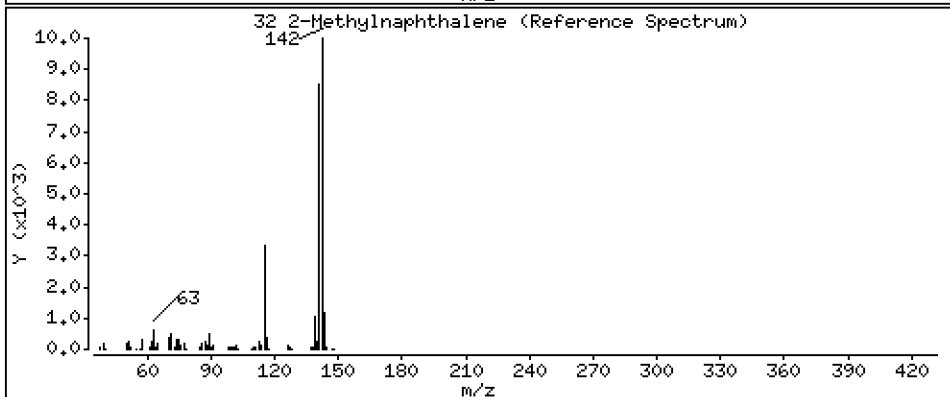
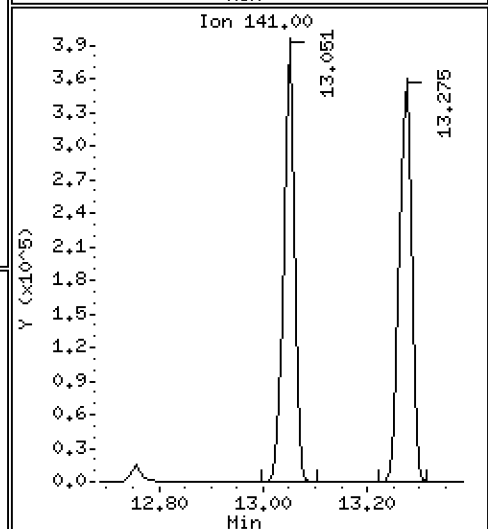
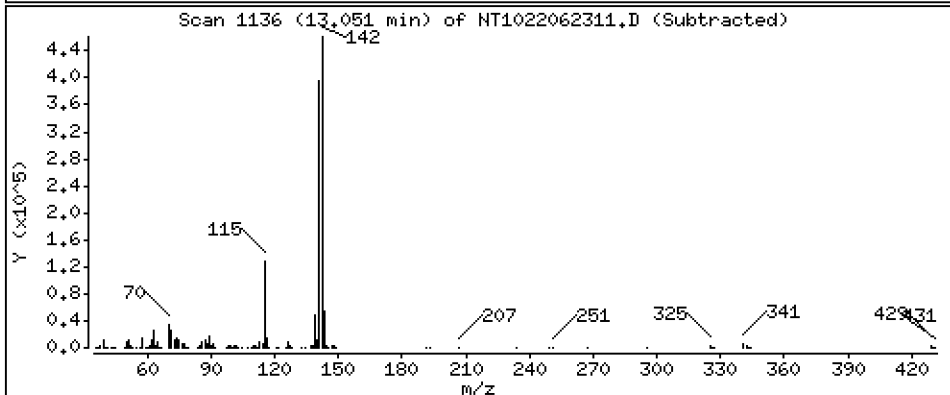
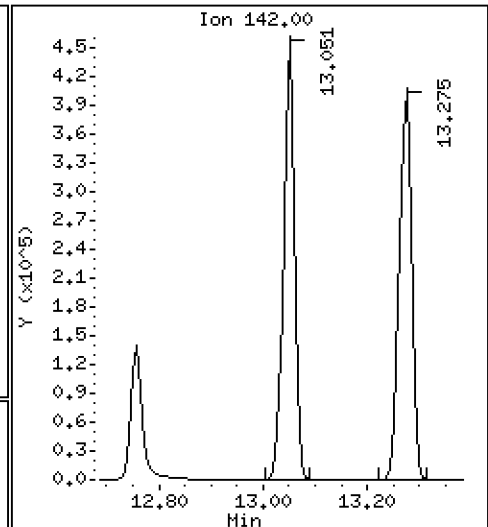
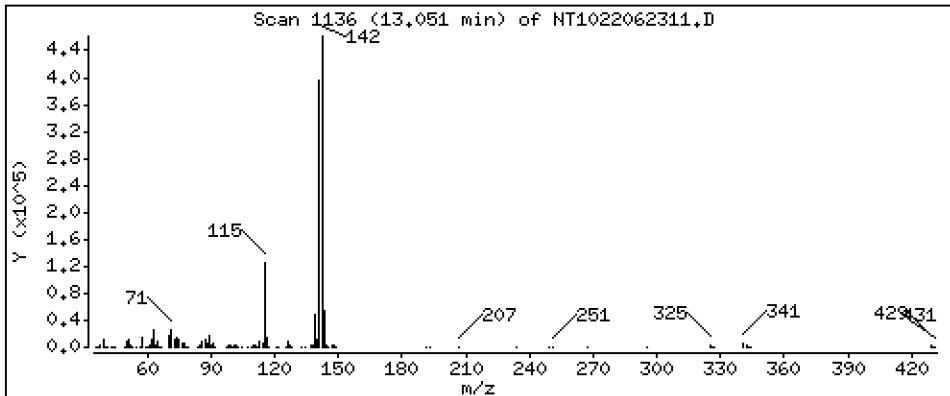
Operator: VTS

Column phase: ZB-5msi

Column diameter: 0,25

32 2-Methylnaphthalene

Concentration: 5,214 ug/mL



Date : 23-JUN-2022 15:20

Client ID:

Instrument: nt10.i

Sample Info: SKF0270-SCV1

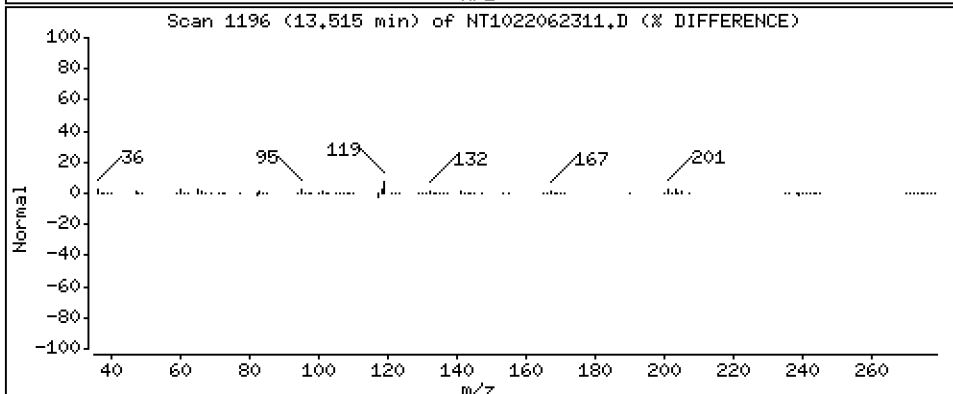
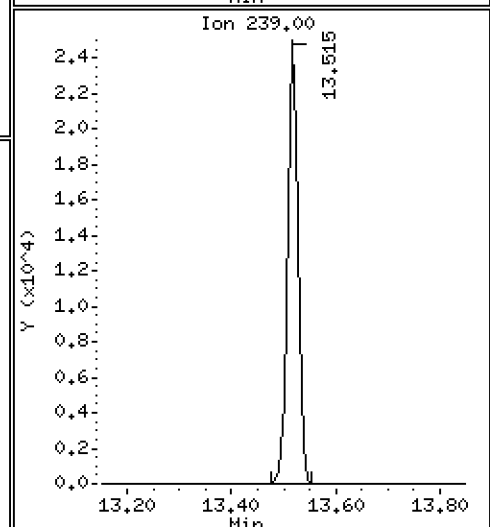
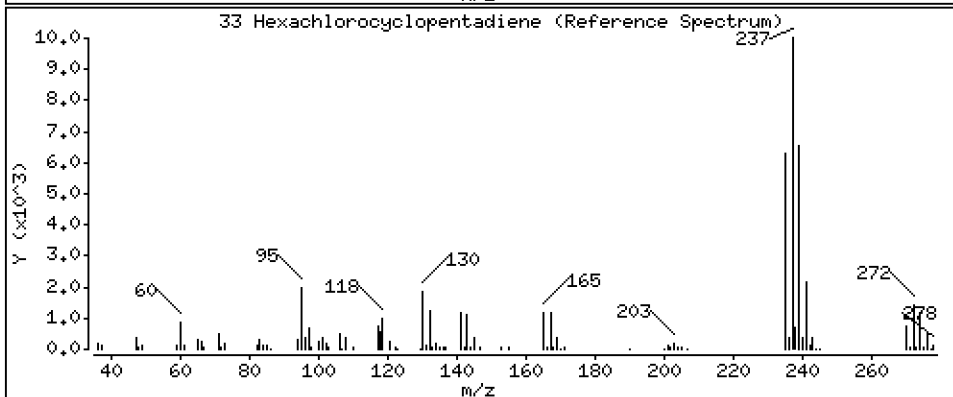
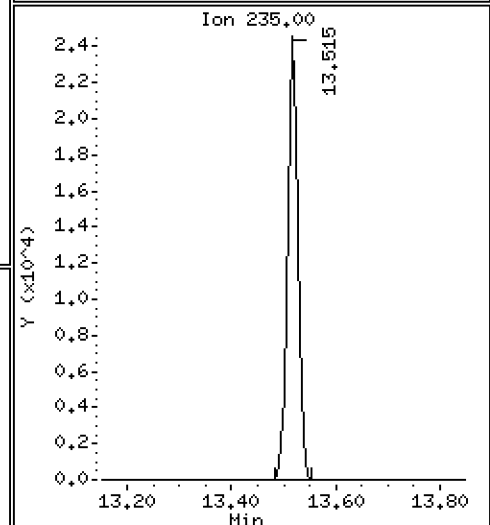
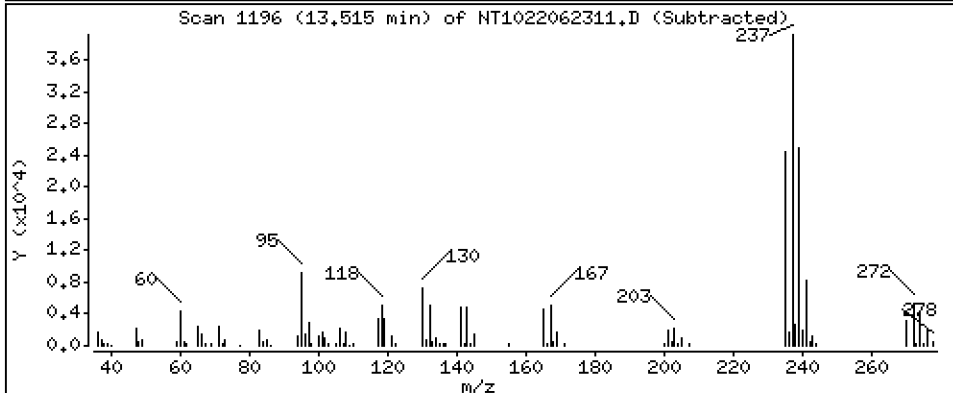
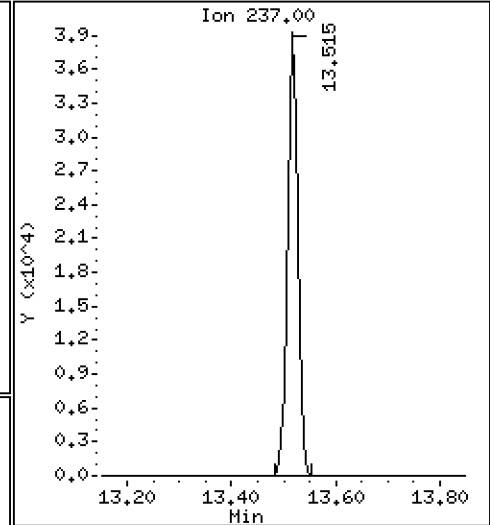
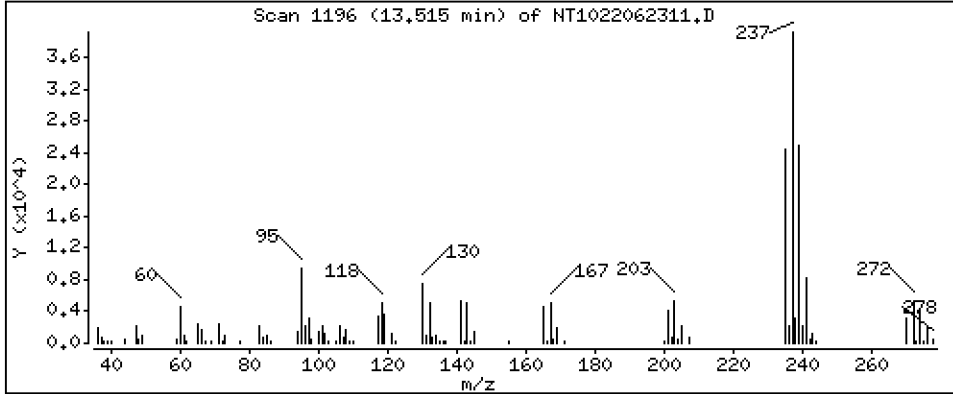
Operator: VTS

Column phase: ZB-5msi

Column diameter: 0,25

33 Hexachlorocyclopentadiene

Concentration: 3,326 ug/mL



Date : 23-JUN-2022 15:20

Client ID:

Instrument: nt10.i

Sample Info: SKF0270-SCV1

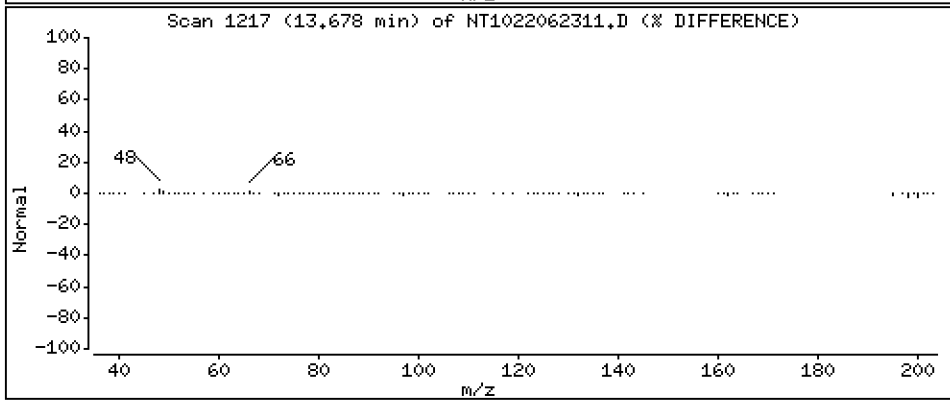
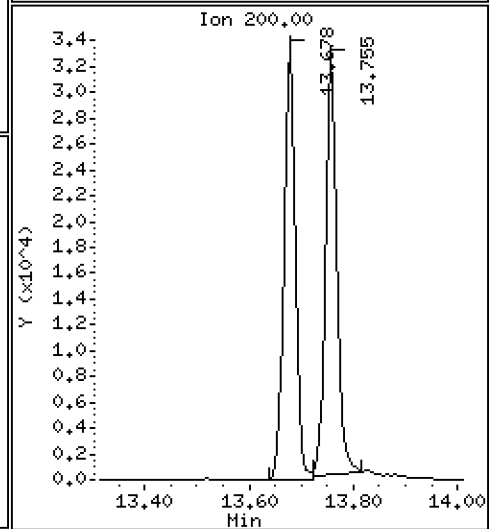
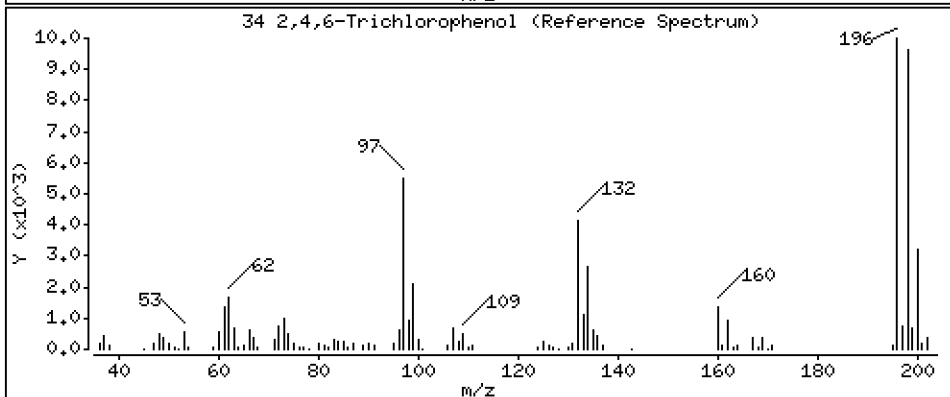
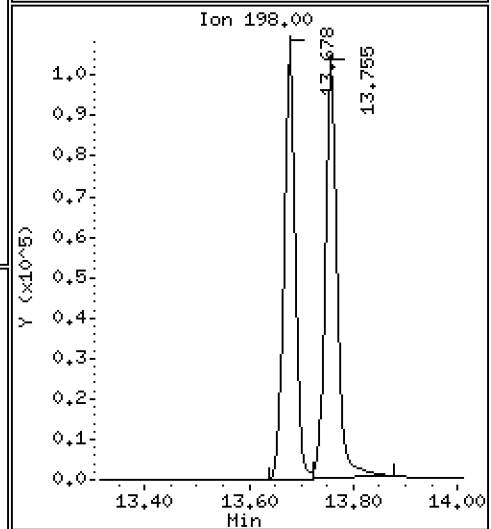
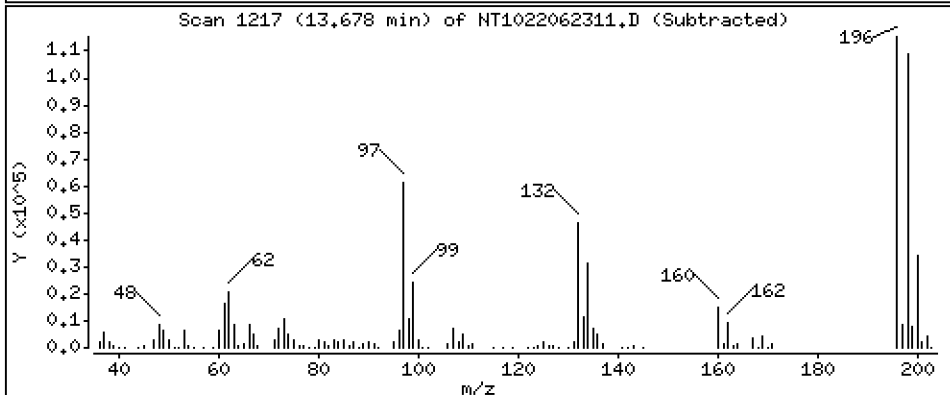
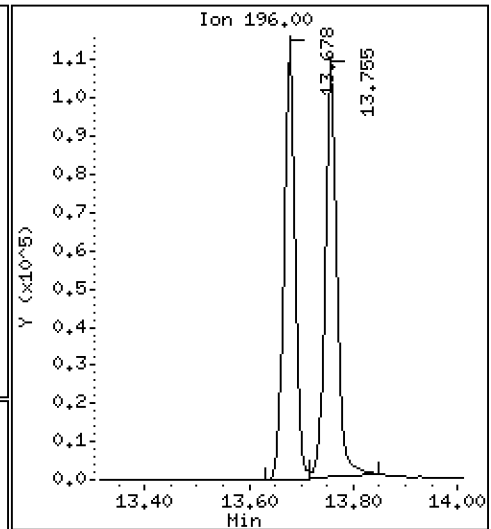
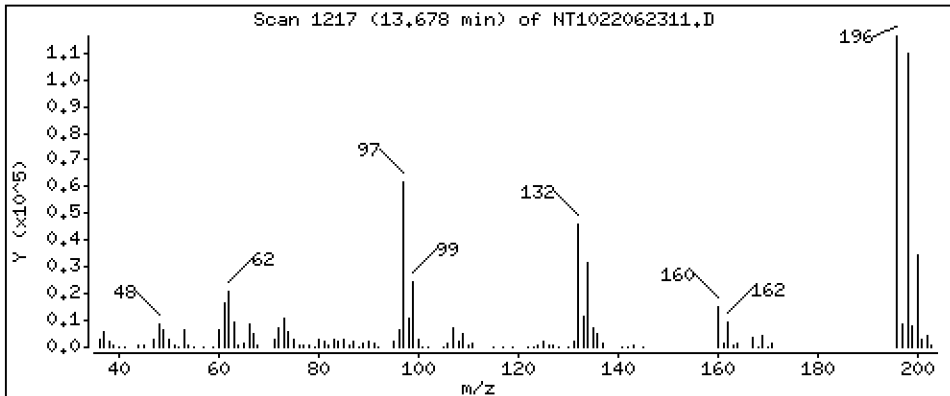
Operator: VTS

Column phase: ZB-5msi

Column diameter: 0,25

34 2,4,6-Trichlorophenol

Concentration: 5,242 ug/mL



Date : 23-JUN-2022 15:20

Client ID:

Instrument: nt10.i

Sample Info: SKF0270-SCV1

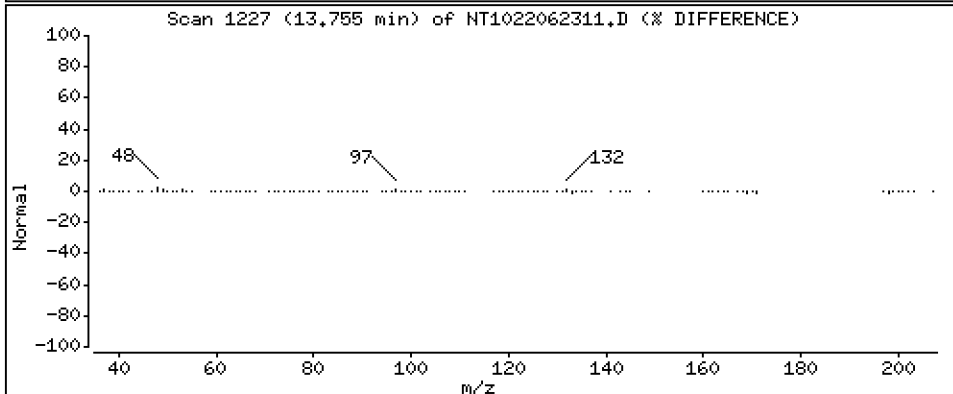
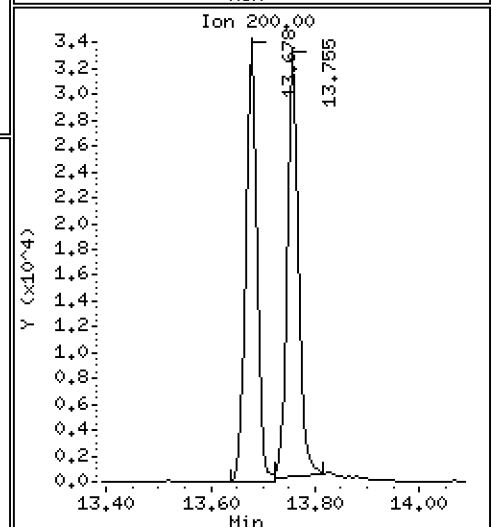
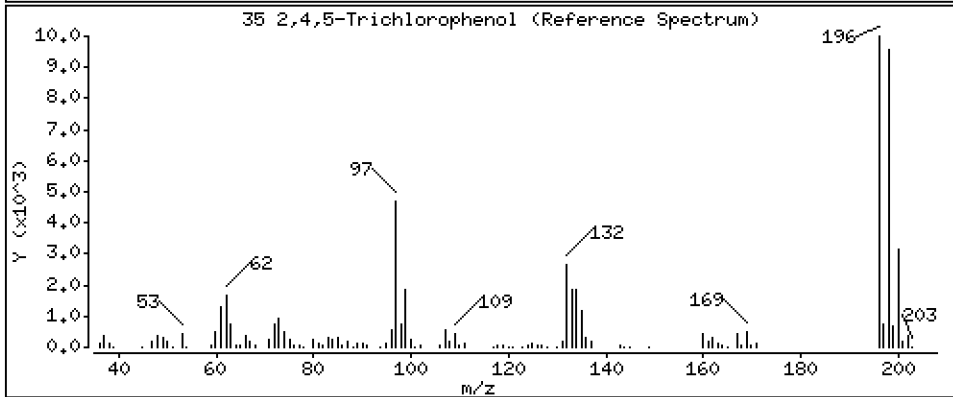
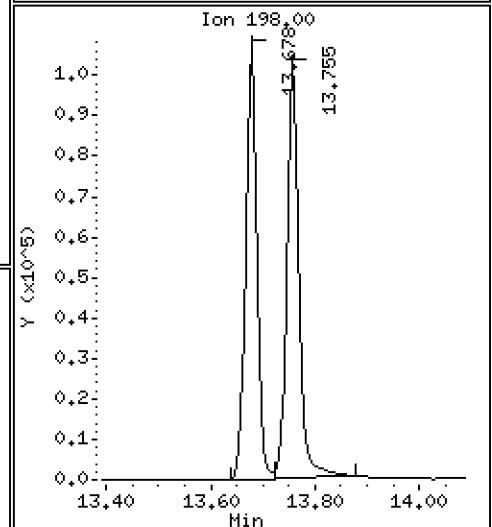
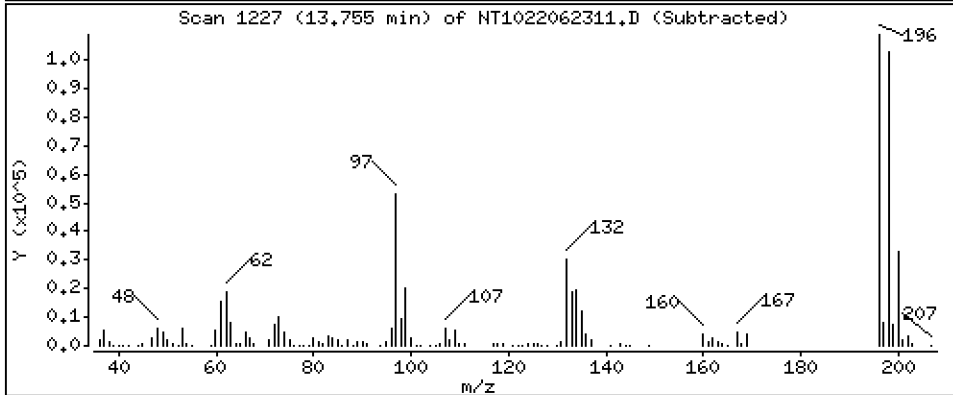
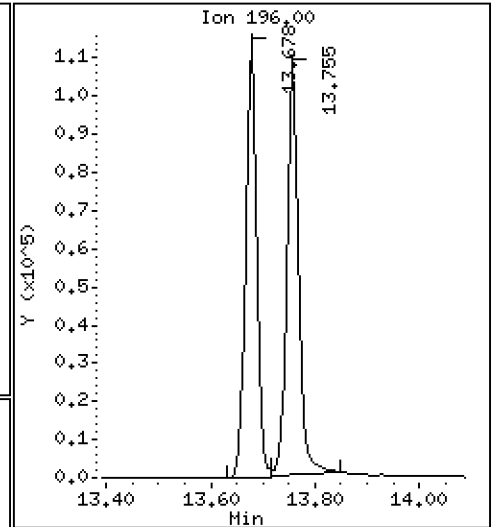
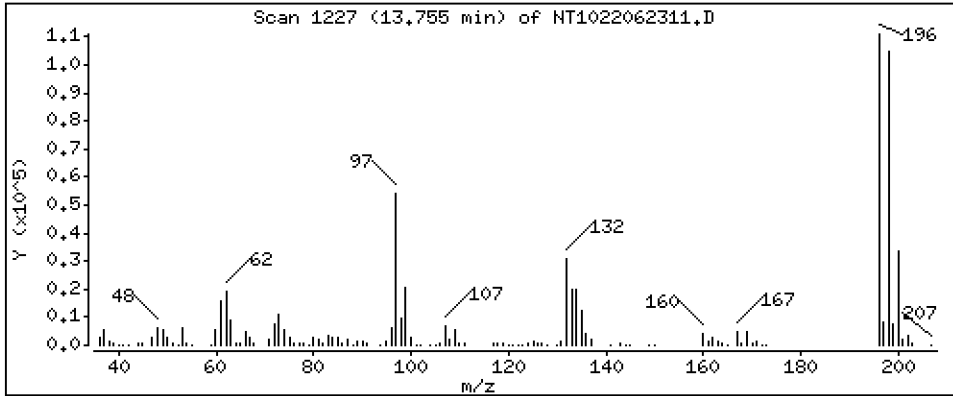
Operator: VTS

Column phase: ZB-5msi

Column diameter: 0,25

35 2,4,5-Trichlorophenol

Concentration: 4,427 ug/mL



Date : 23-JUN-2022 15:20

Client ID:

Instrument: nt10.i

Sample Info: SKF0270-SCV1

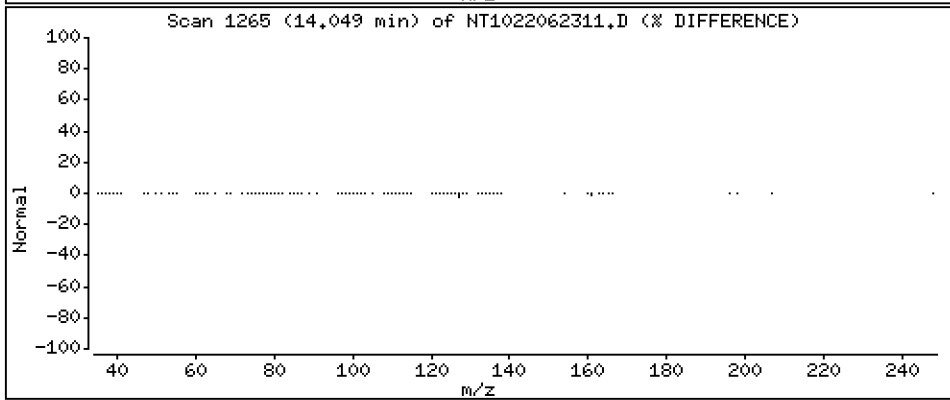
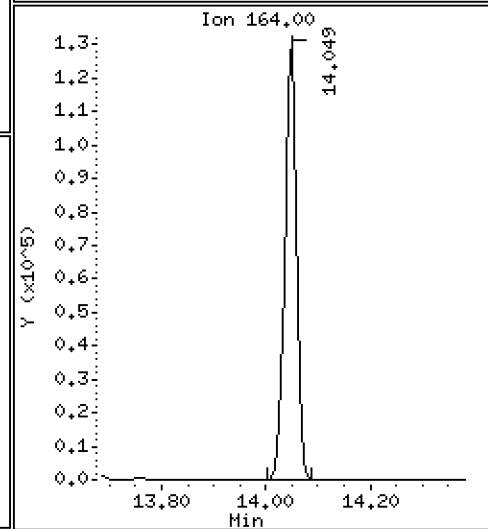
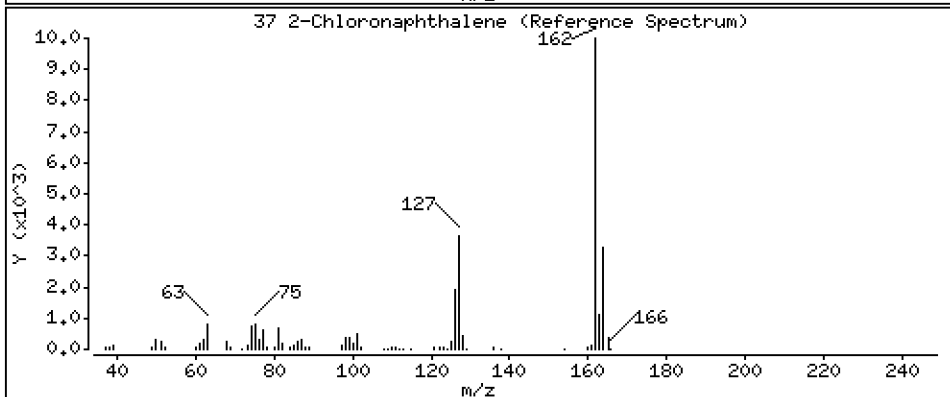
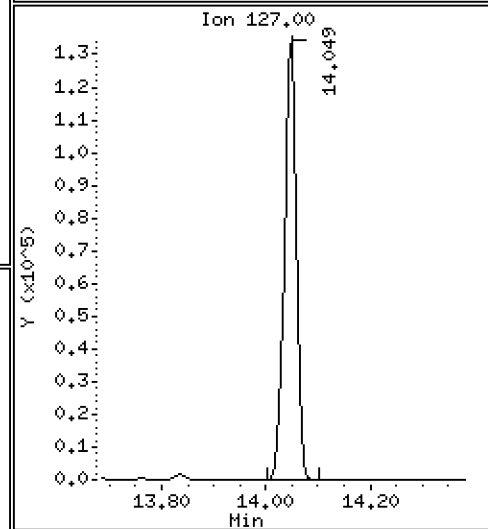
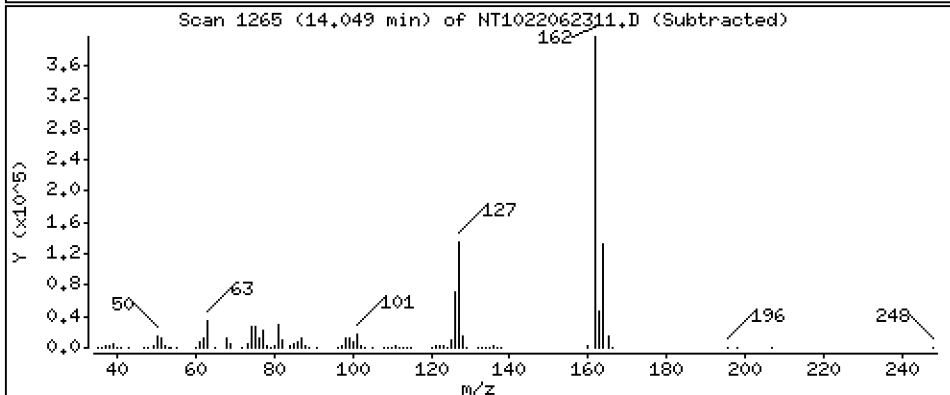
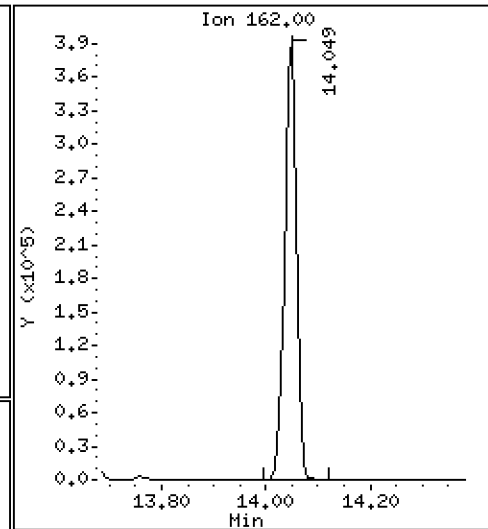
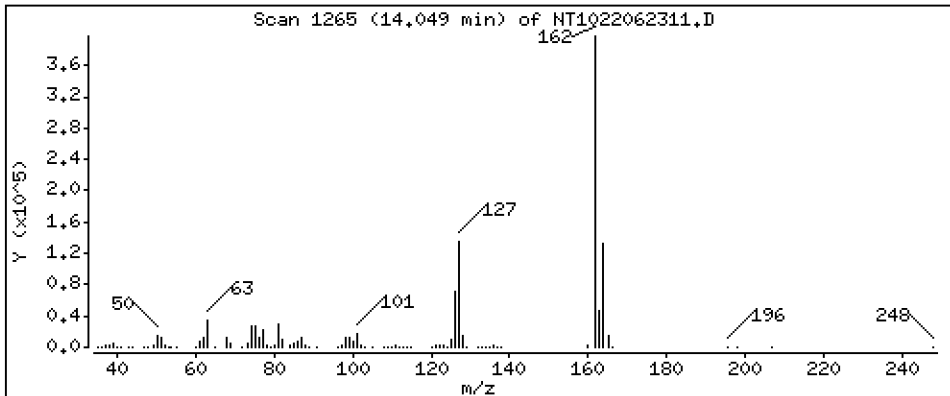
Operator: VTS

Column phase: ZB-5msi

Column diameter: 0,25

37 2-Chloronaphthalene

Concentration: 5,462 ug/mL



Date : 23-JUN-2022 15:20

Client ID:

Instrument: nt10.i

Sample Info: SKF0270-SCV1

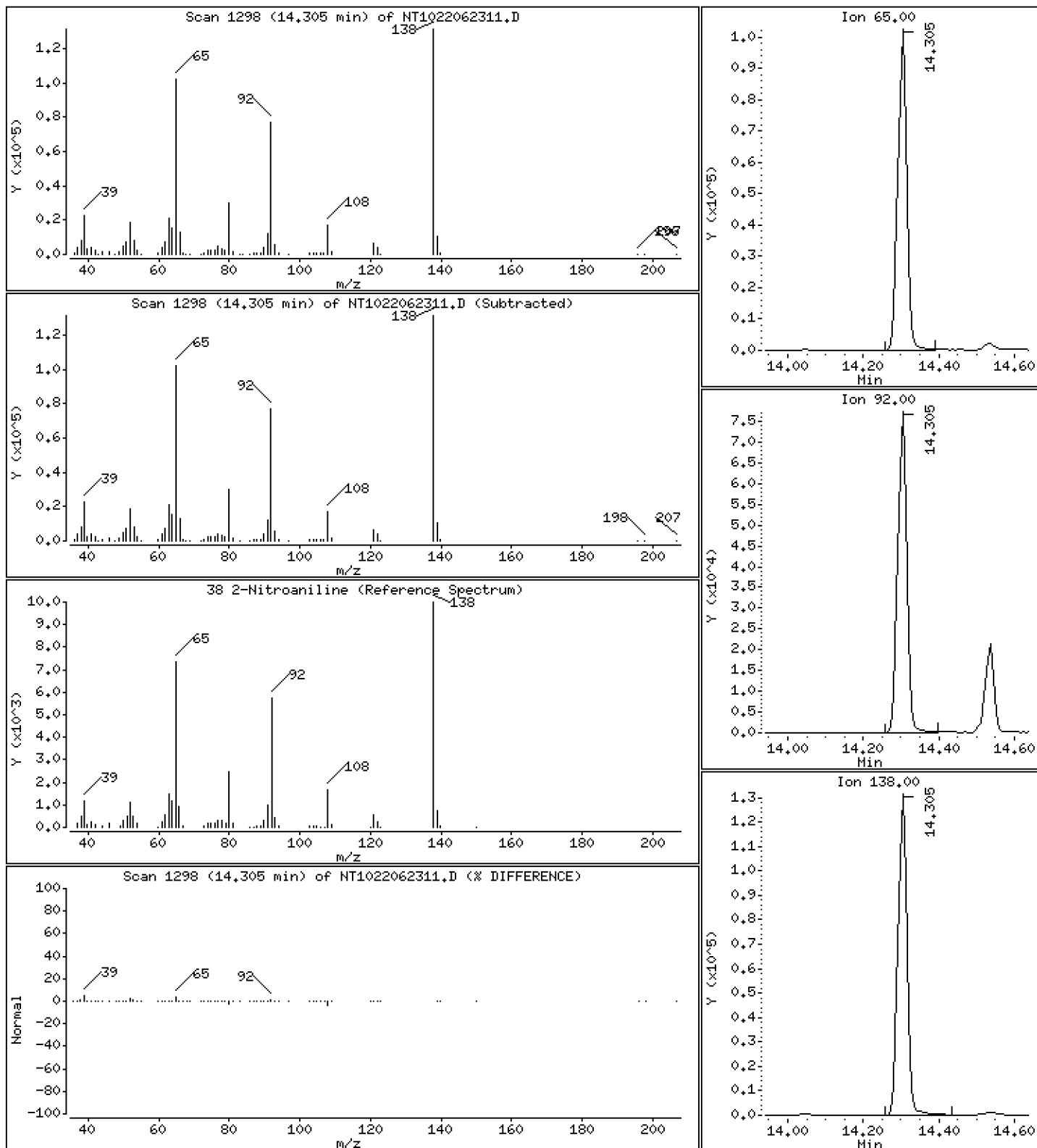
Operator: VTS

Column phase: ZB-5msi

Column diameter: 0,25

38 2-Nitroaniline

Concentration: 5,342 ug/mL



Date : 23-JUN-2022 15:20

Client ID:

Instrument: nt10.i

Sample Info: SKF0270-SCV1

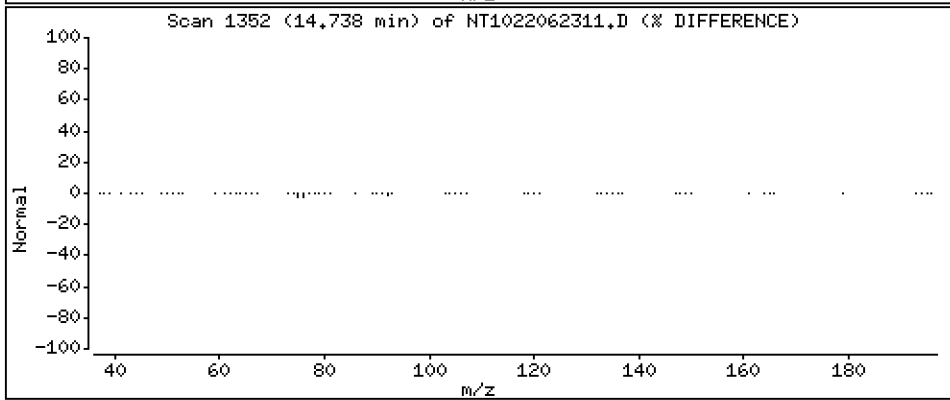
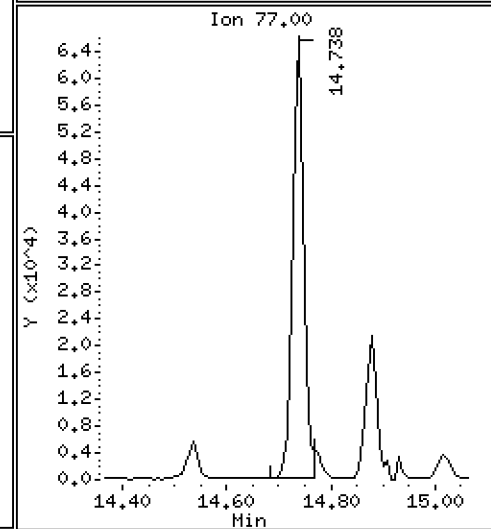
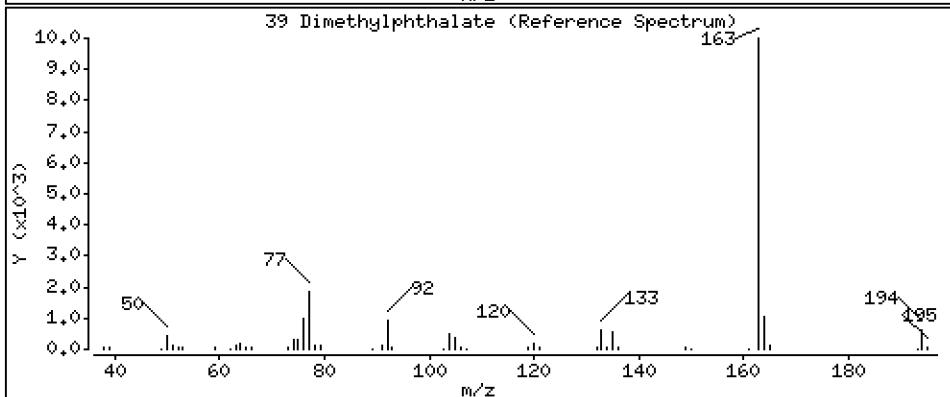
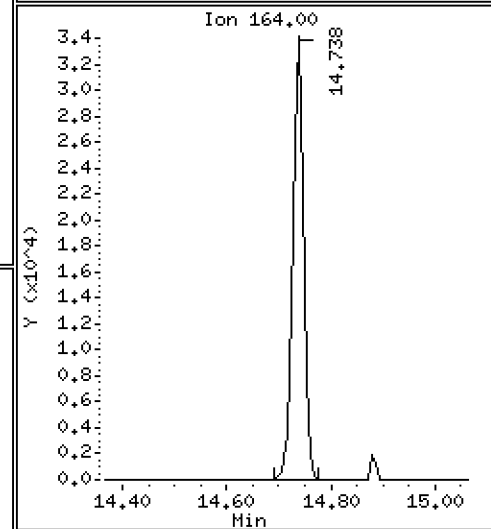
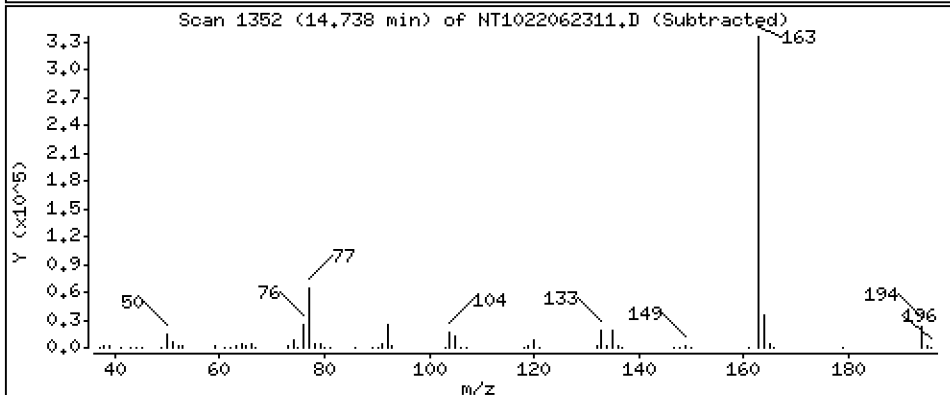
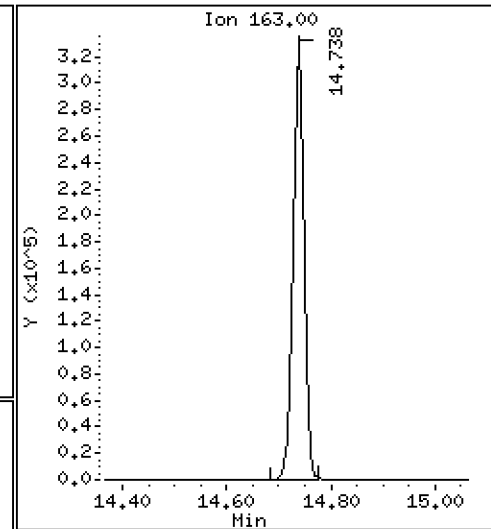
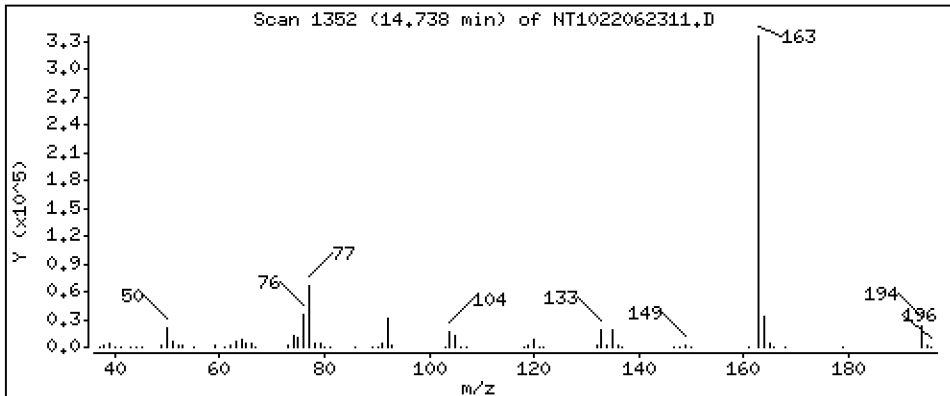
Operator: VTS

Column phase: ZB-5msi

Column diameter: 0,25

39 Dimethylphthalate

Concentration: 4,973 ug/mL



Date : 23-JUN-2022 15:20

Client ID:

Instrument: nt10.i

Sample Info: SKF0270-SCV1

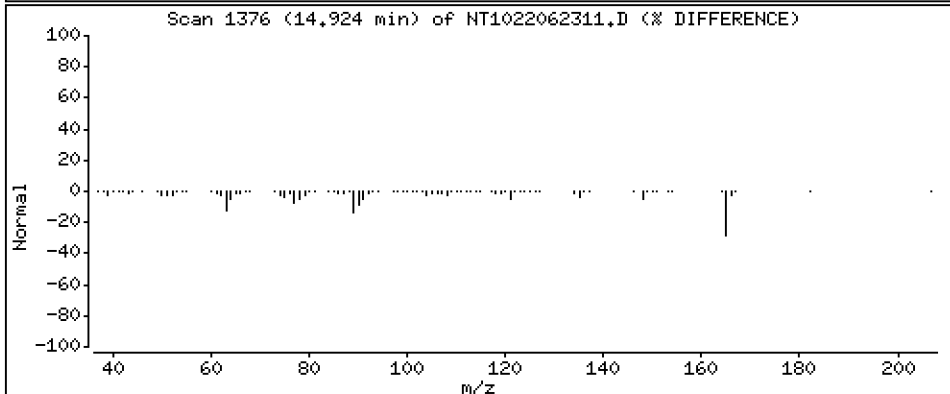
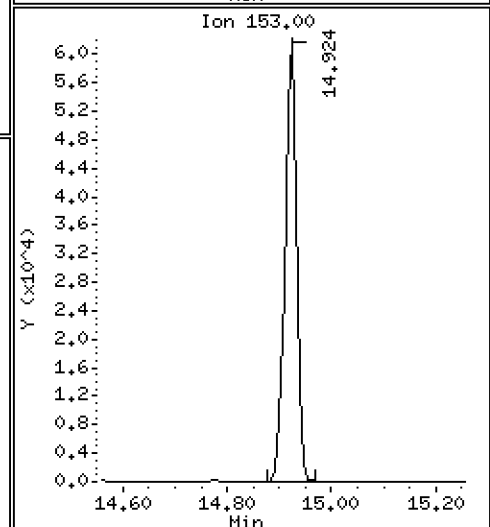
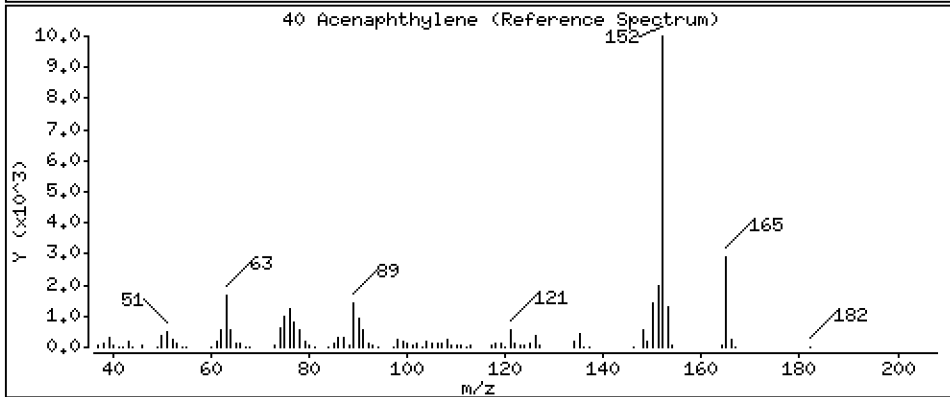
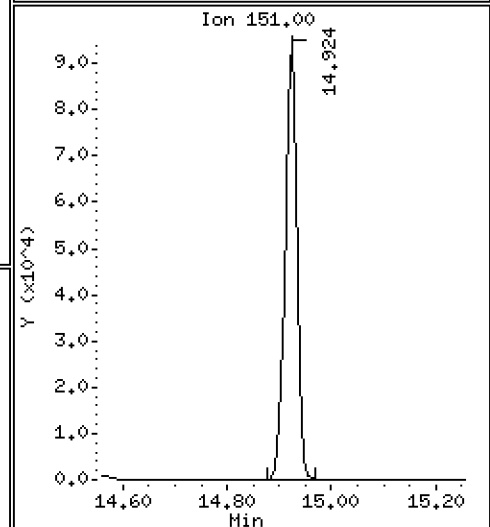
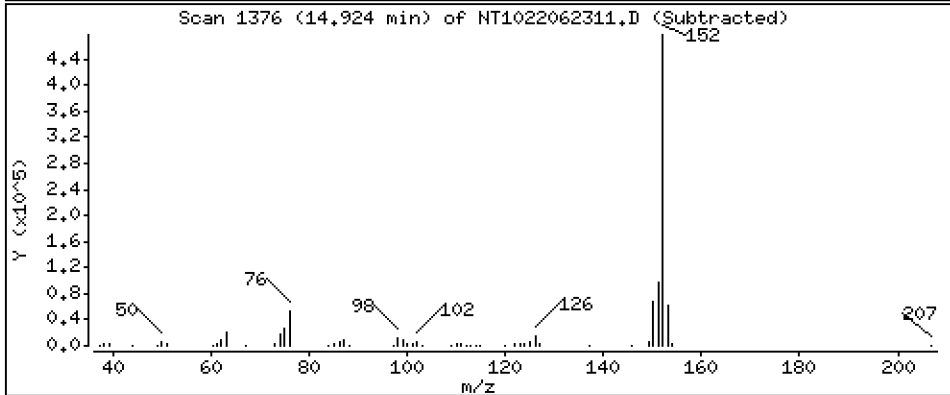
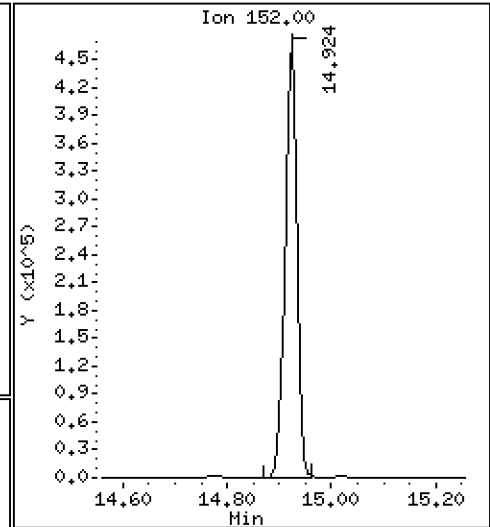
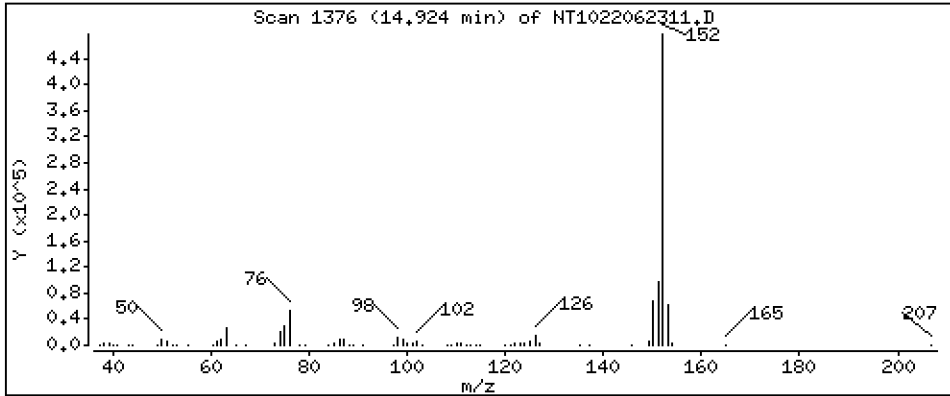
Operator: VTS

Column phase: ZB-5msi

Column diameter: 0,25

40 Acenaphthylene

Concentration: 4,476 ug/mL



Date : 23-JUN-2022 15:20

Client ID:

Instrument: nt10.i

Sample Info: SKF0270-SCV1

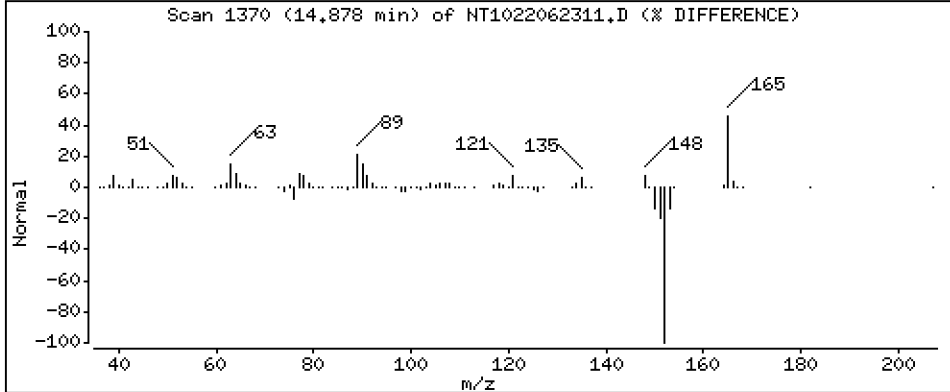
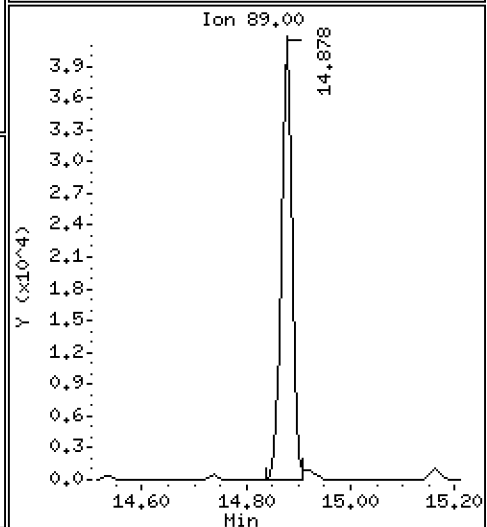
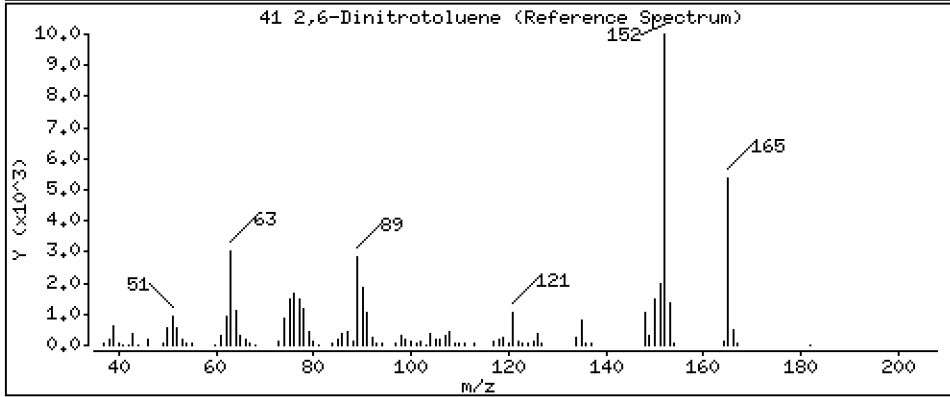
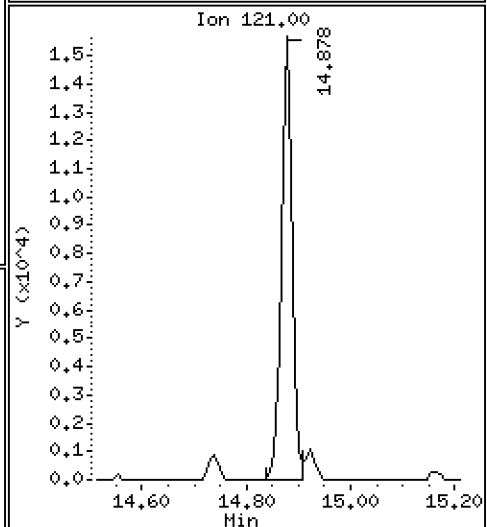
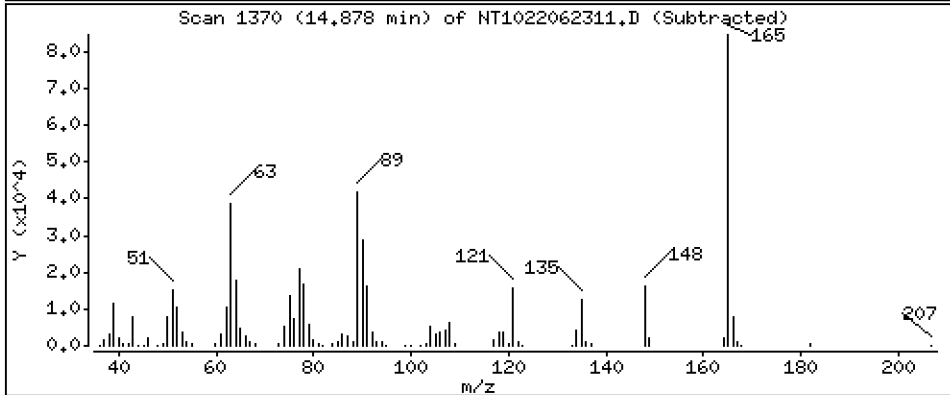
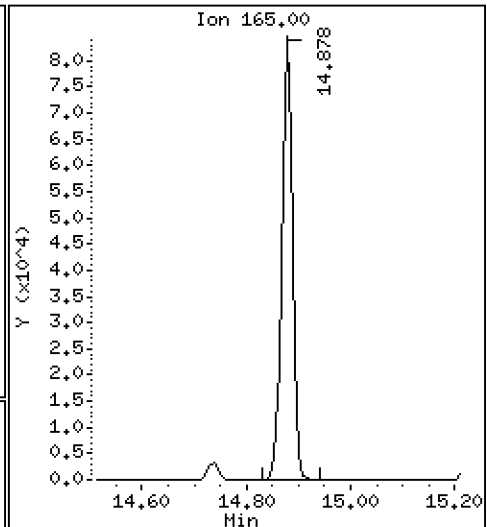
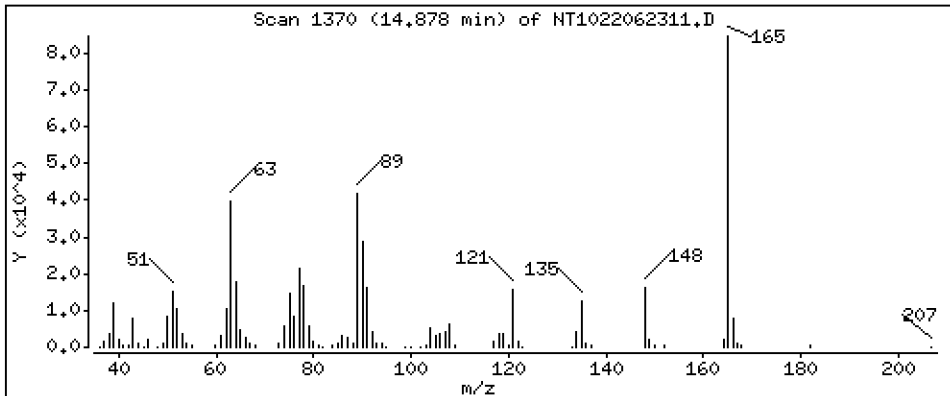
Operator: VTS

Column phase: ZB-5msi

Column diameter: 0,25

41 2,6-Dinitrotoluene

Concentration: 5,256 ug/mL



Date : 23-JUN-2022 15:20

Client ID:

Instrument: nt10.i

Sample Info: SKF0270-SCV1

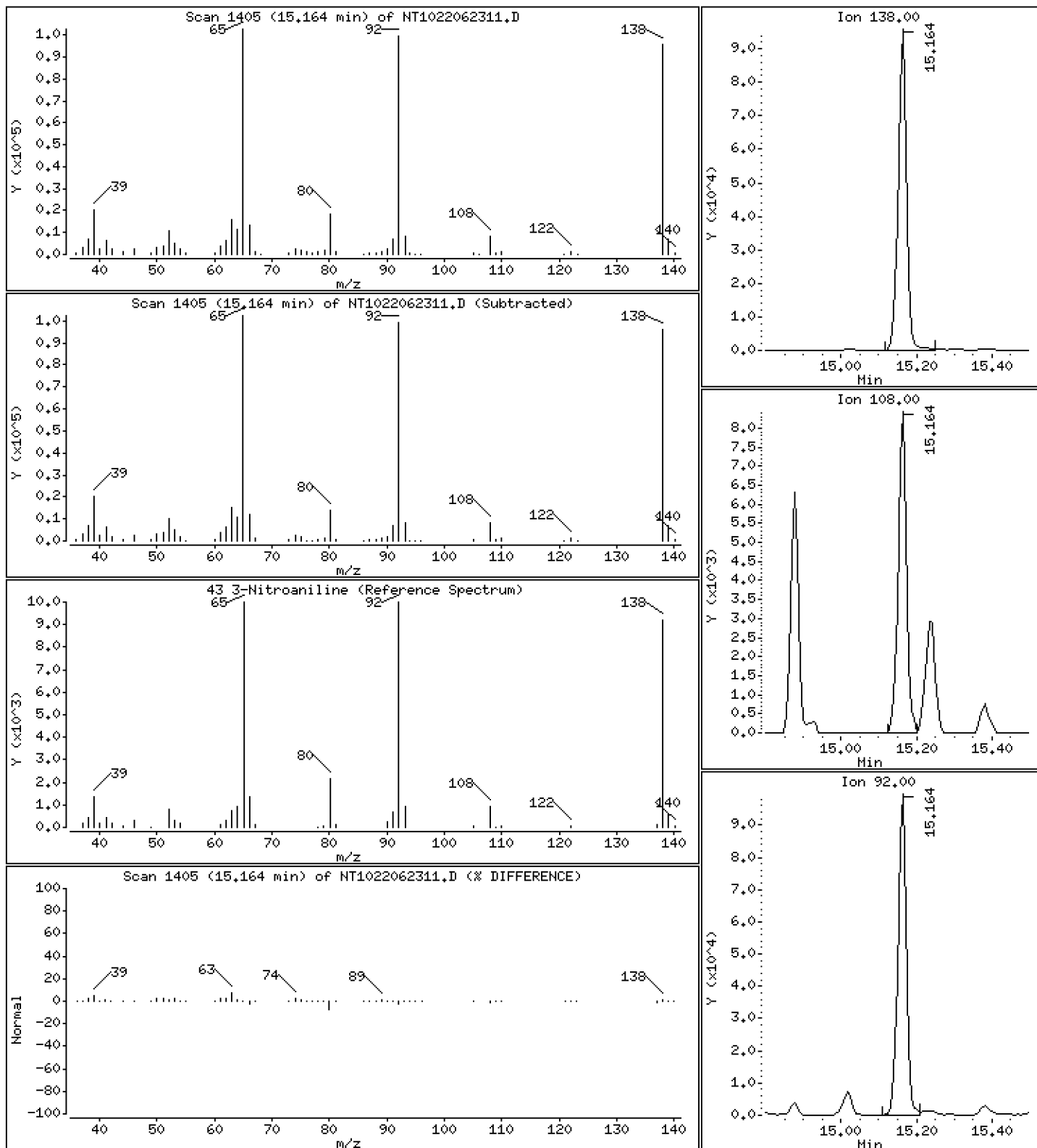
Operator: VTS

Column phase: ZB-5msi

Column diameter: 0,25

43 3-Nitroaniline

Concentration: 5,379 ug/mL



Date : 23-JUN-2022 15:20

Client ID:

Instrument: nt10.i

Sample Info: SKF0270-SCV1

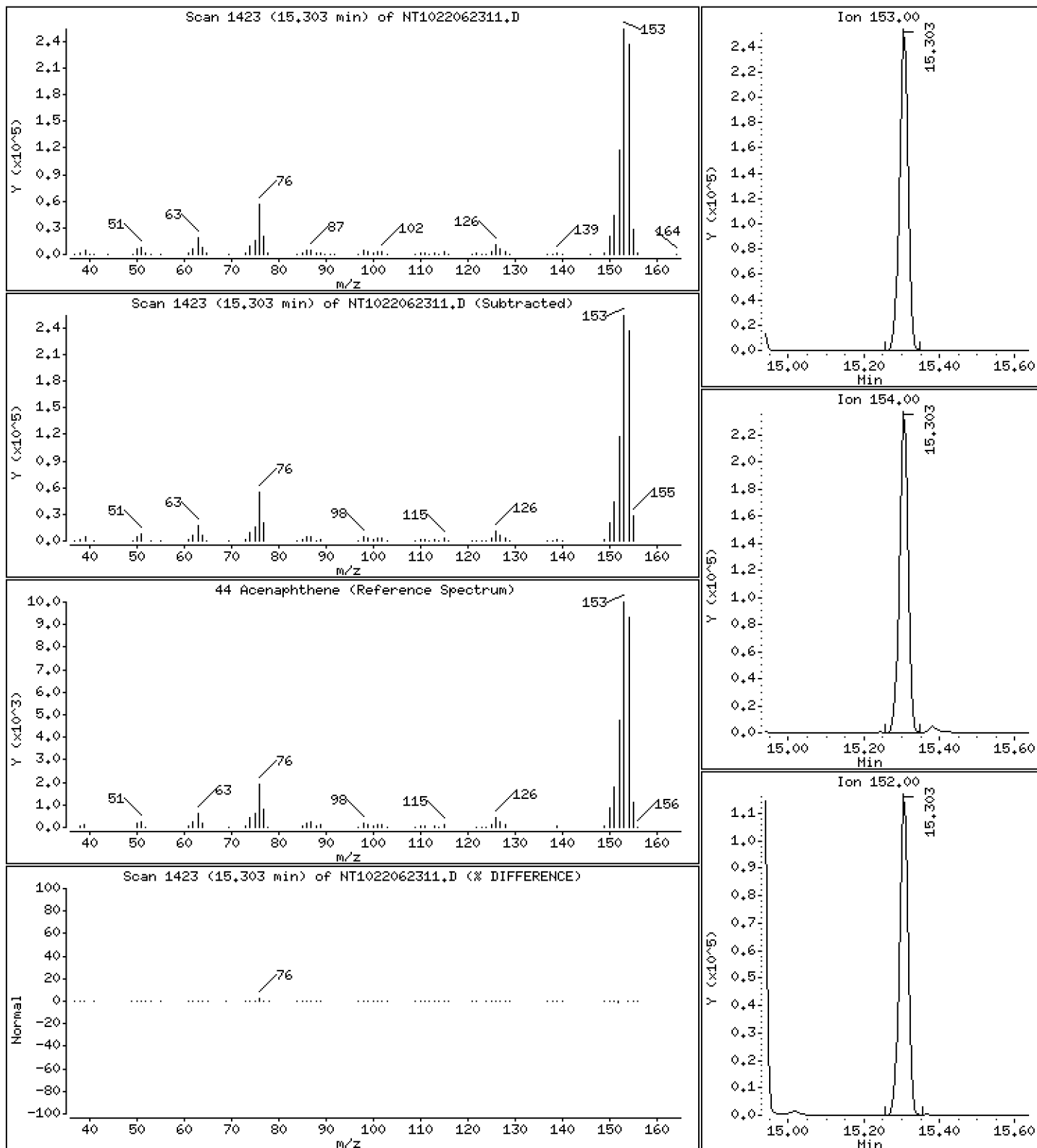
Operator: VTS

Column phase: ZB-5msi

Column diameter: 0,25

44 Acenaphthene

Concentration: 4,939 ug/mL



Date : 23-JUN-2022 15:20

Client ID:

Instrument: nt10.i

Sample Info: SKF0270-SCV1

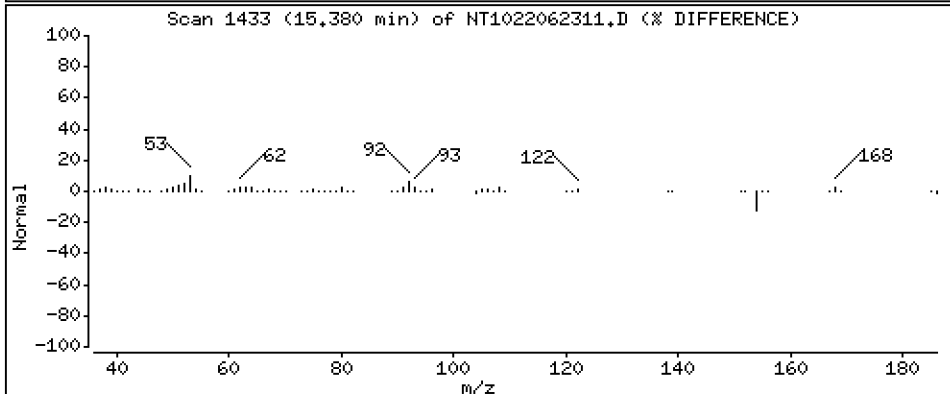
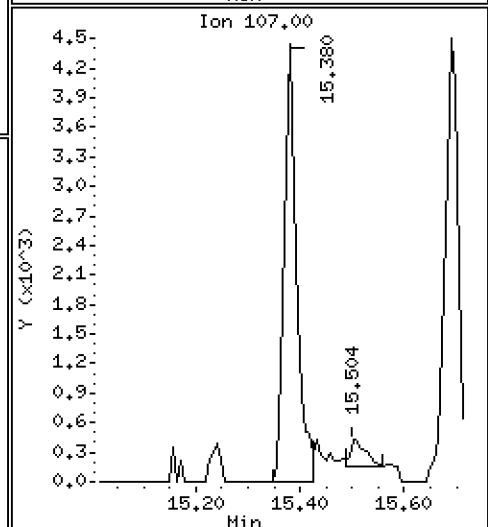
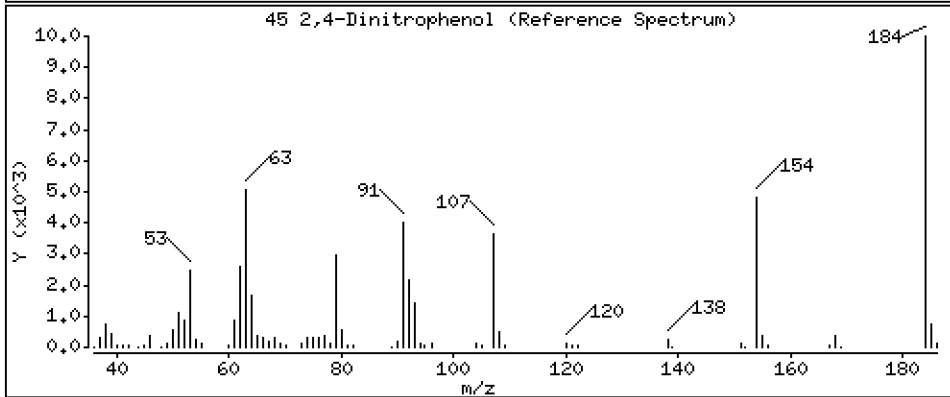
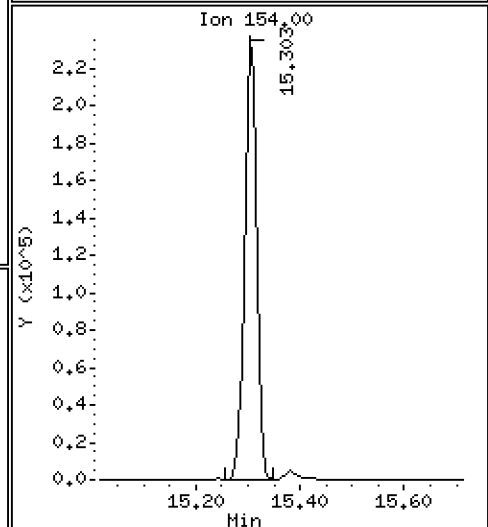
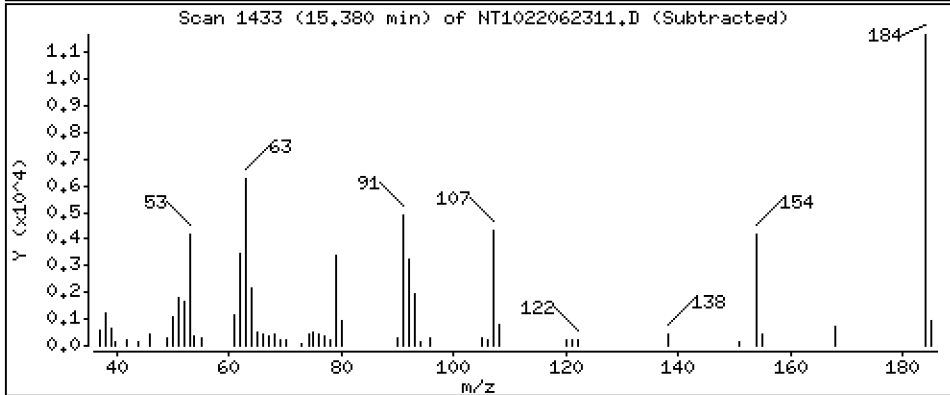
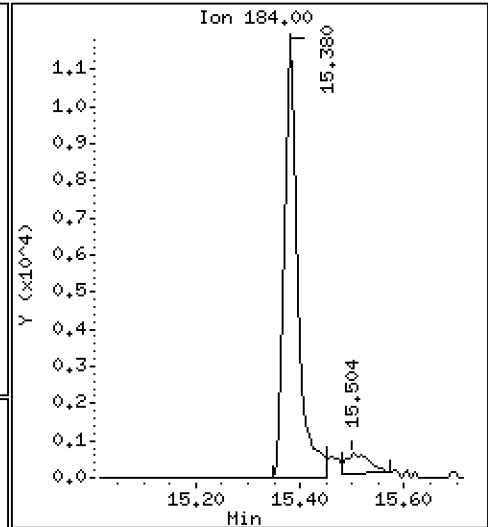
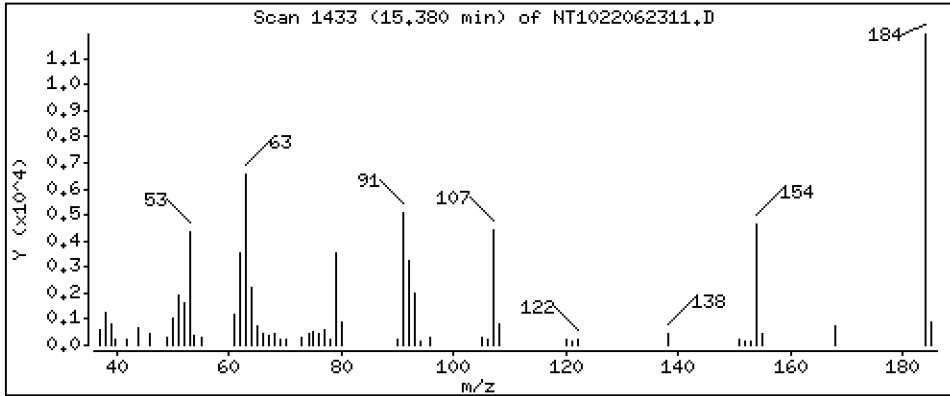
Operator: VTS

Column phase: ZB-5msi

Column diameter: 0,25

45 2,4-Dinitrophenol

Concentration: 2,023 ug/mL



Date : 23-JUN-2022 15:20

Client ID:

Instrument: nt10.i

Sample Info: SKF0270-SCV1

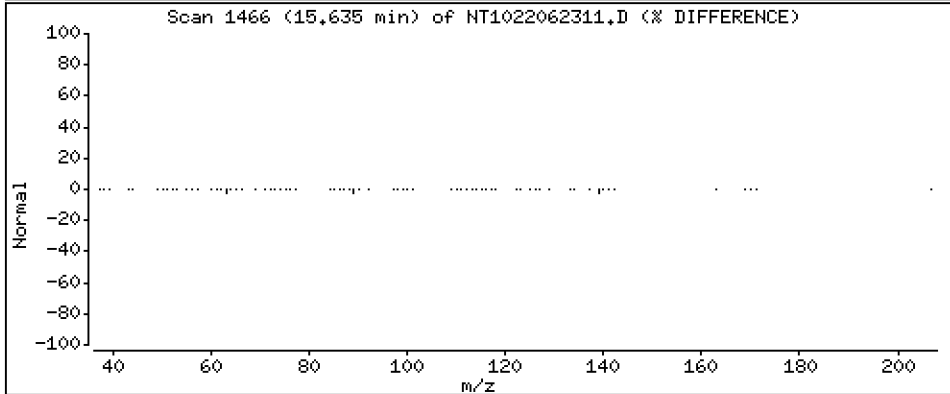
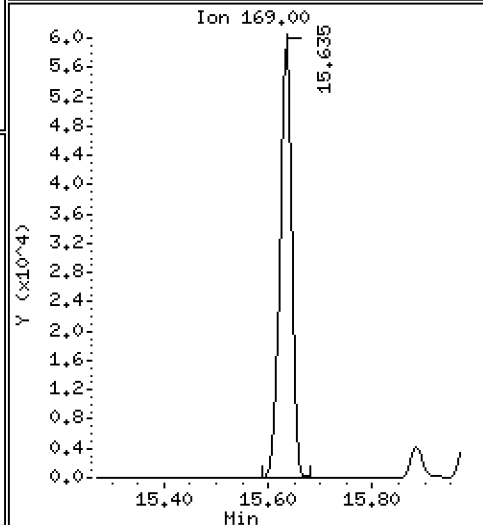
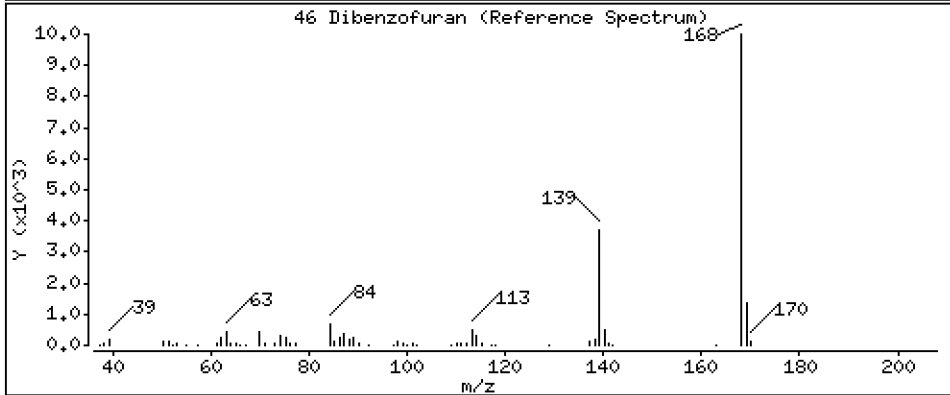
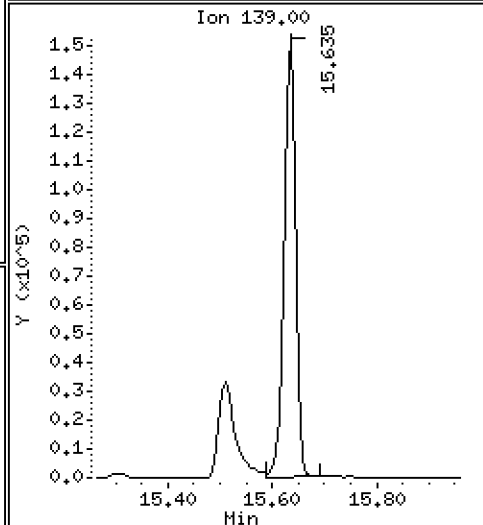
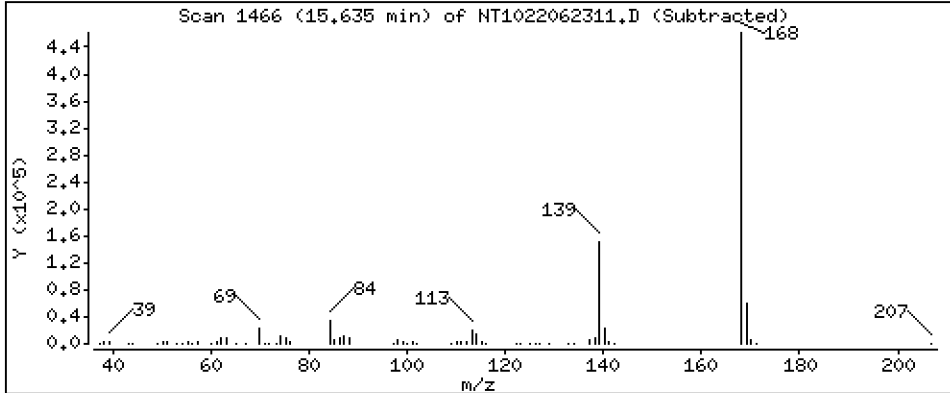
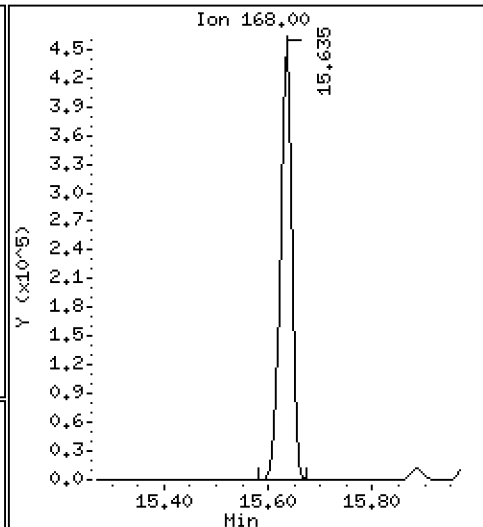
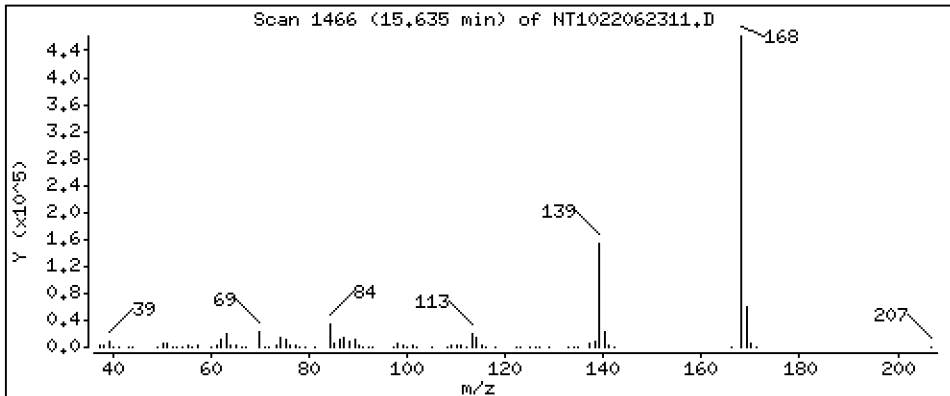
Operator: VTS

Column phase: ZB-5msi

Column diameter: 0,25

46 Dibenzofuran

Concentration: 5,340 ug/mL



Date : 23-JUN-2022 15:20

Client ID:

Instrument: nt10.i

Sample Info: SKF0270-SCV1

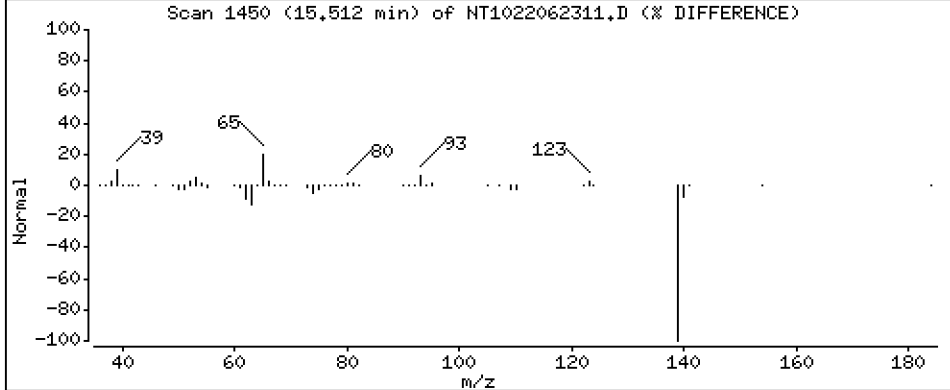
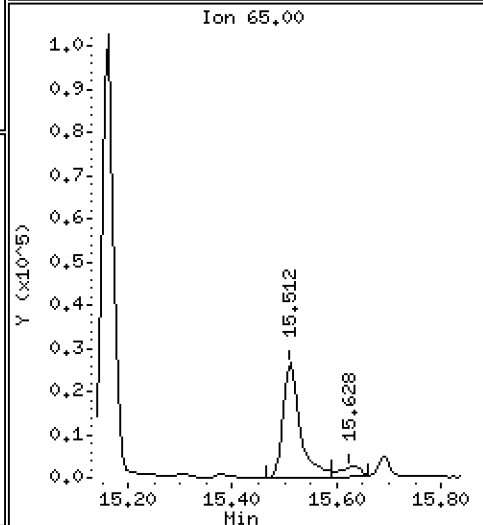
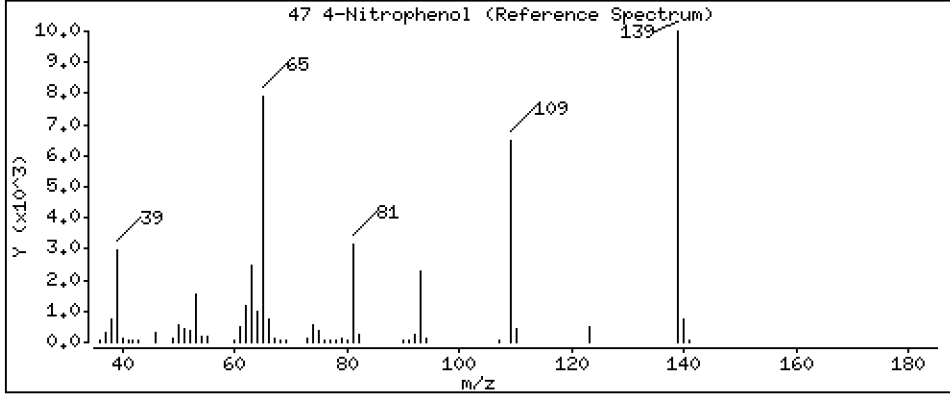
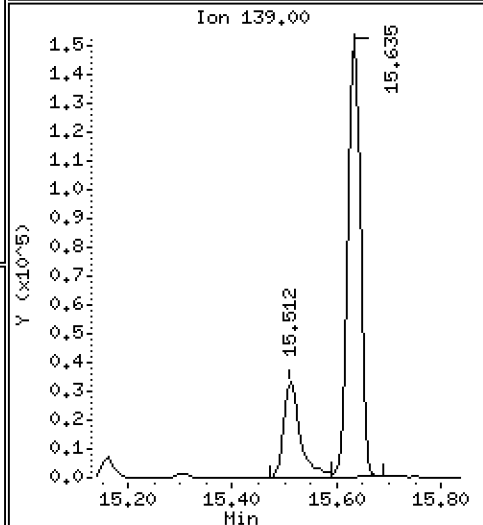
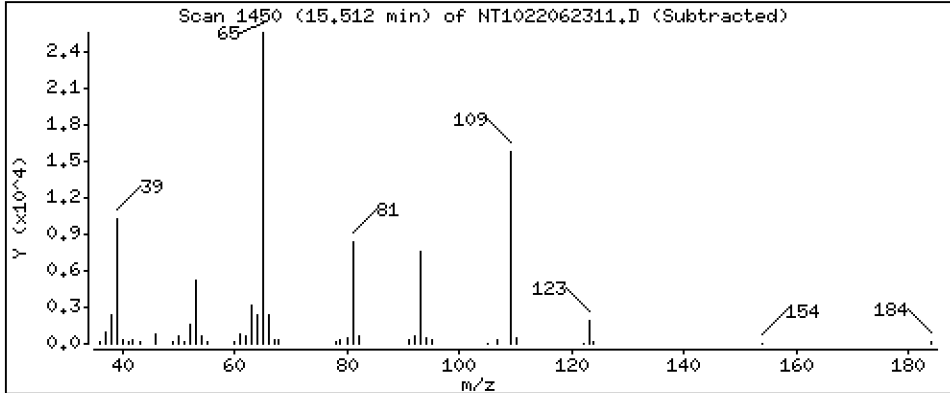
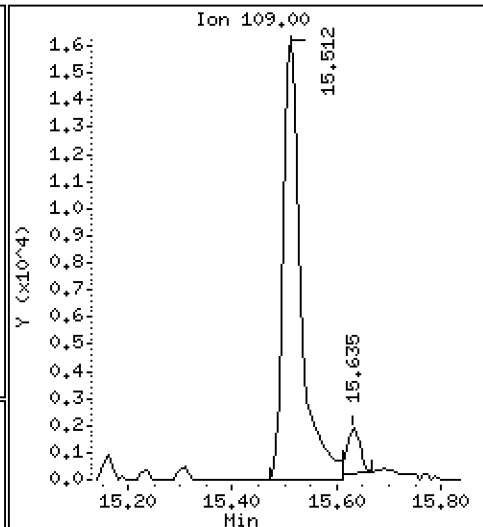
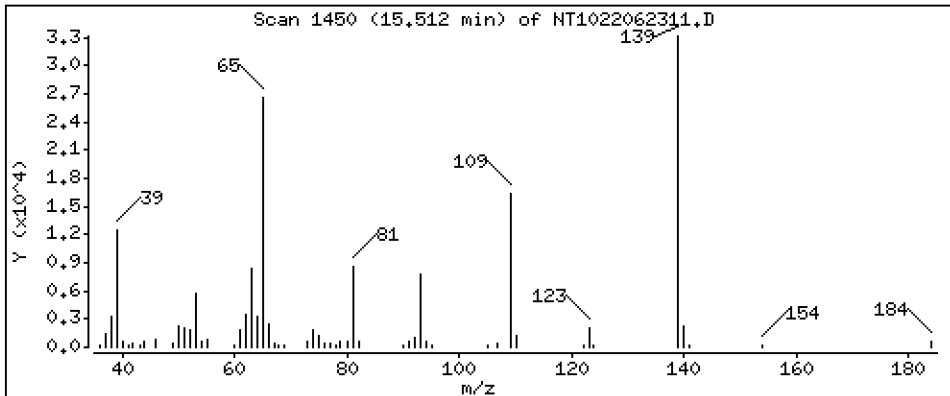
Operator: VTS

Column phase: ZB-5msi

Column diameter: 0.25

47 4-Nitrophenol

Concentration: 4.435 ug/mL



Date : 23-JUN-2022 15:20

Client ID:

Instrument: nt10.i

Sample Info: SKF0270-SCV1

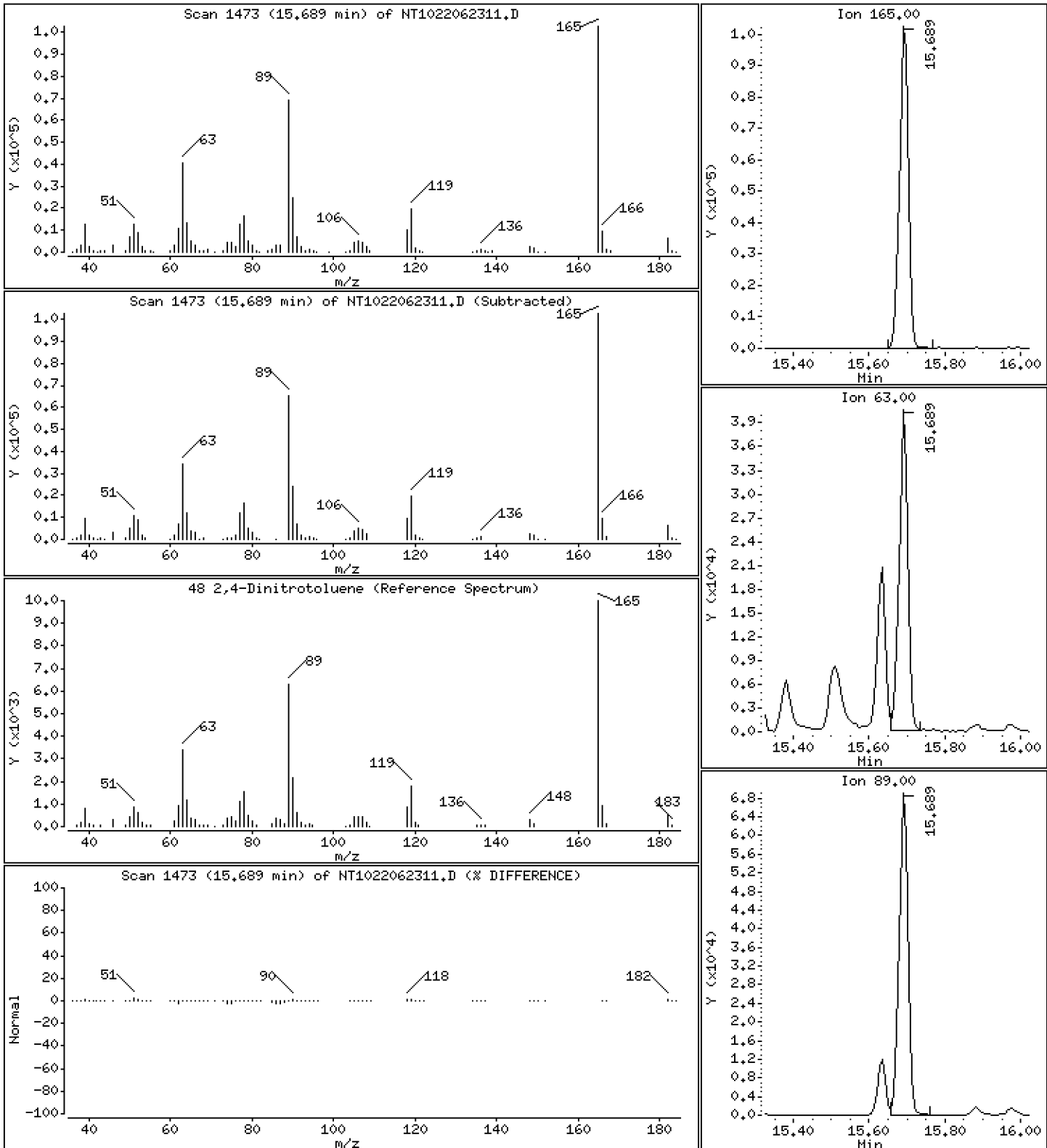
Operator: VTS

Column phase: ZB-5msi

Column diameter: 0,25

48 2,4-Dinitrotoluene

Concentration: 5,308 ug/mL



Date : 23-JUN-2022 15:20

Client ID:

Instrument: nt10.i

Sample Info: SKF0270-SCV1

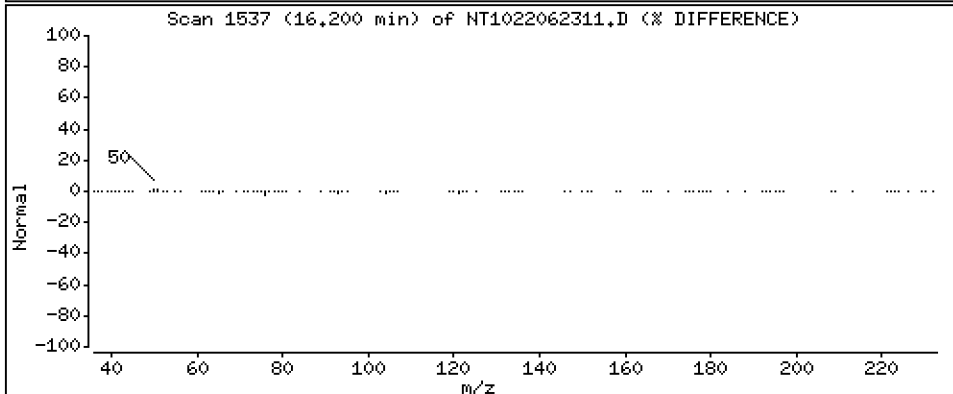
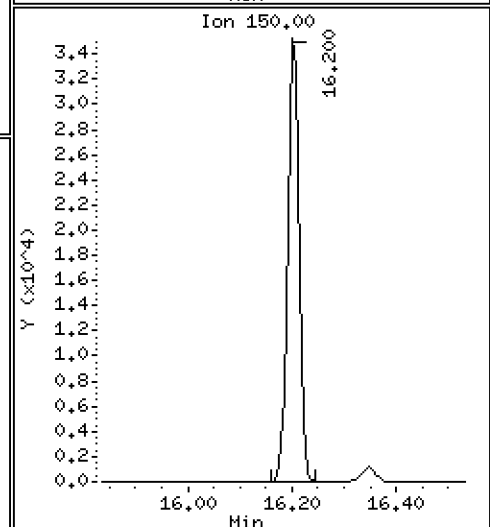
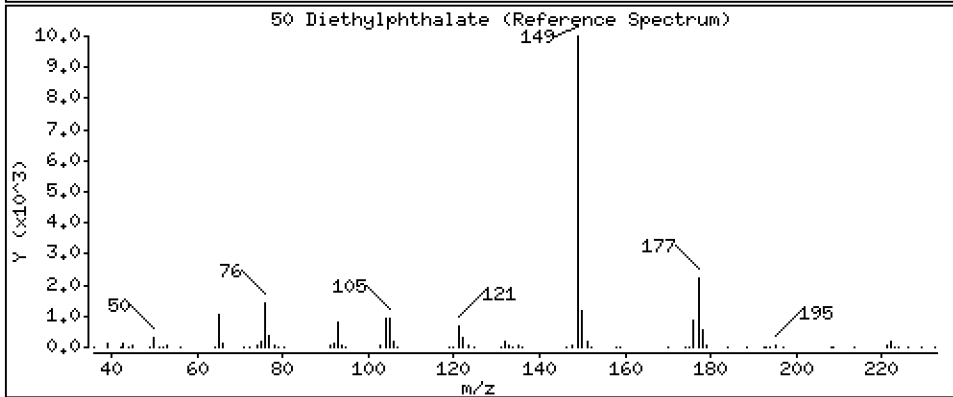
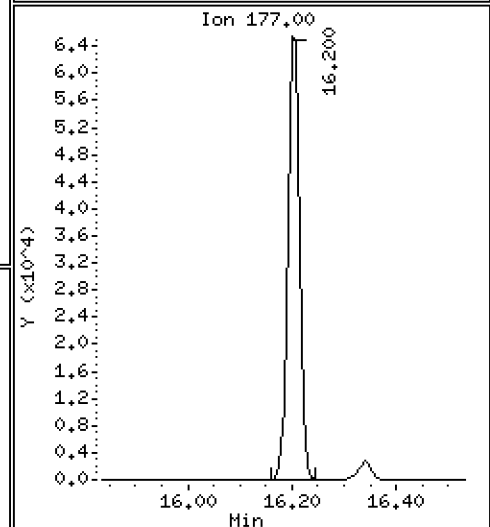
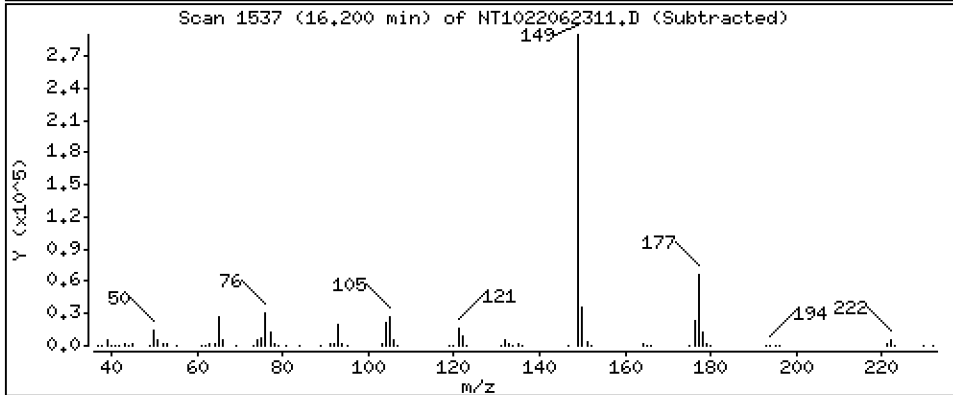
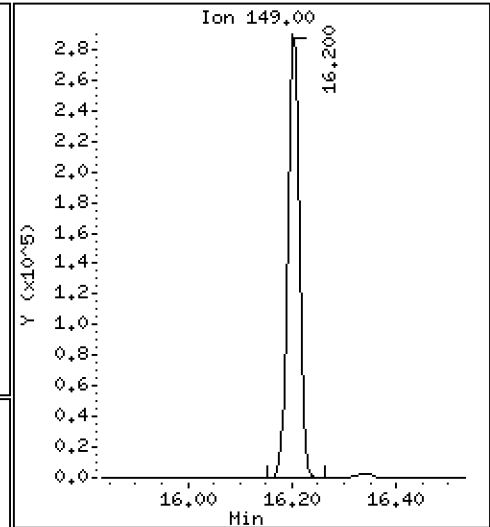
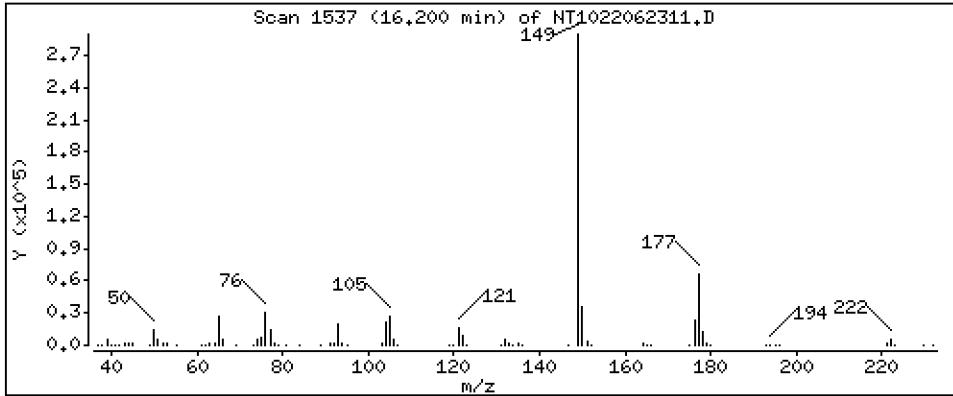
Operator: VTS

Column phase: ZB-5msi

Column diameter: 0,25

50 Diethylphthalate

Concentration: 5,372 ug/mL



Date : 23-JUN-2022 15:20

Client ID:

Instrument: nt10.i

Sample Info: SKF0270-SCV1

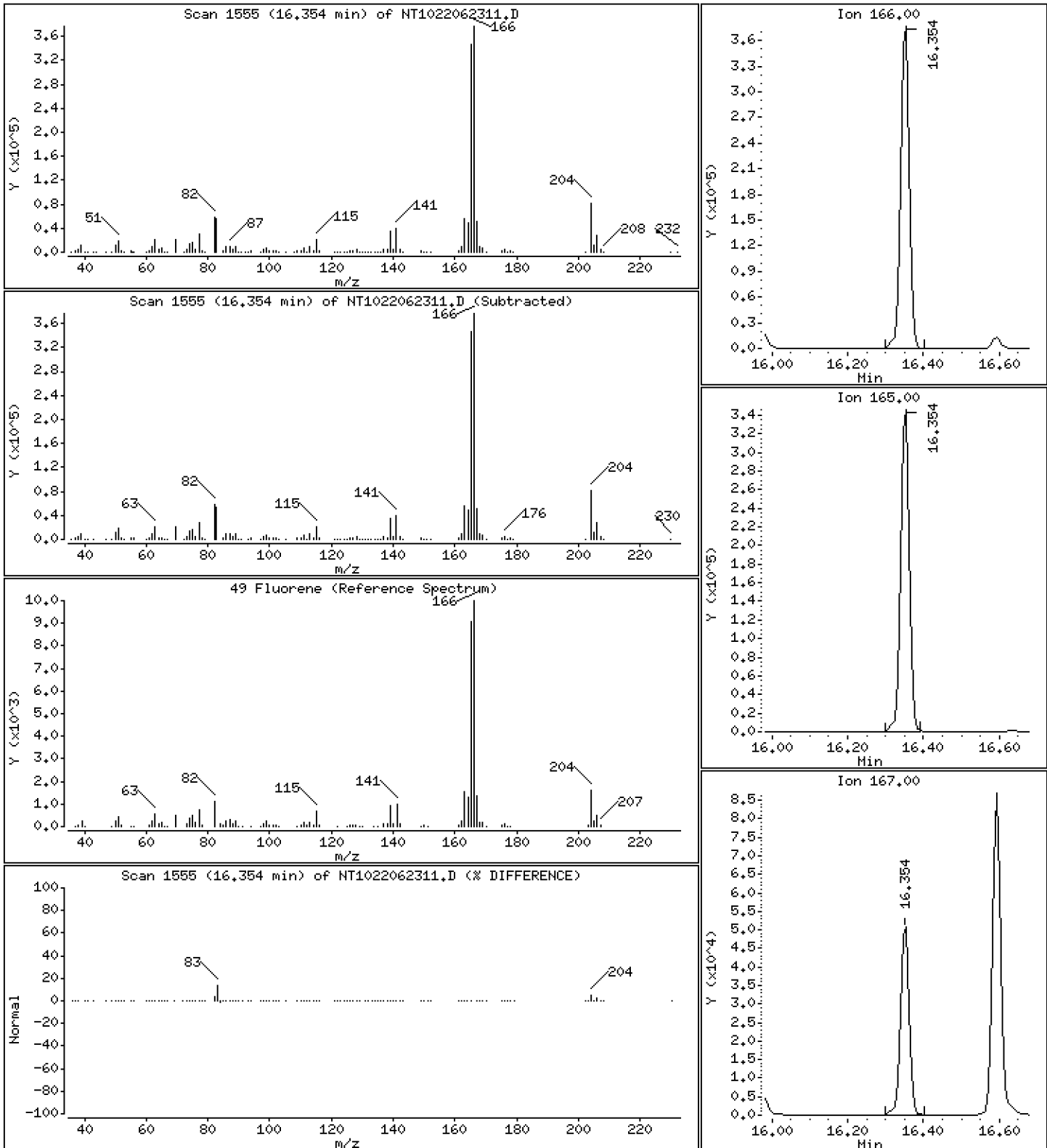
Operator: VTS

Column phase: ZB-5msi

Column diameter: 0,25

49 Fluorene

Concentration: 4,594 ug/mL



Date : 23-JUN-2022 15:20

Client ID:

Instrument: nt10.i

Sample Info: SKF0270-SCV1

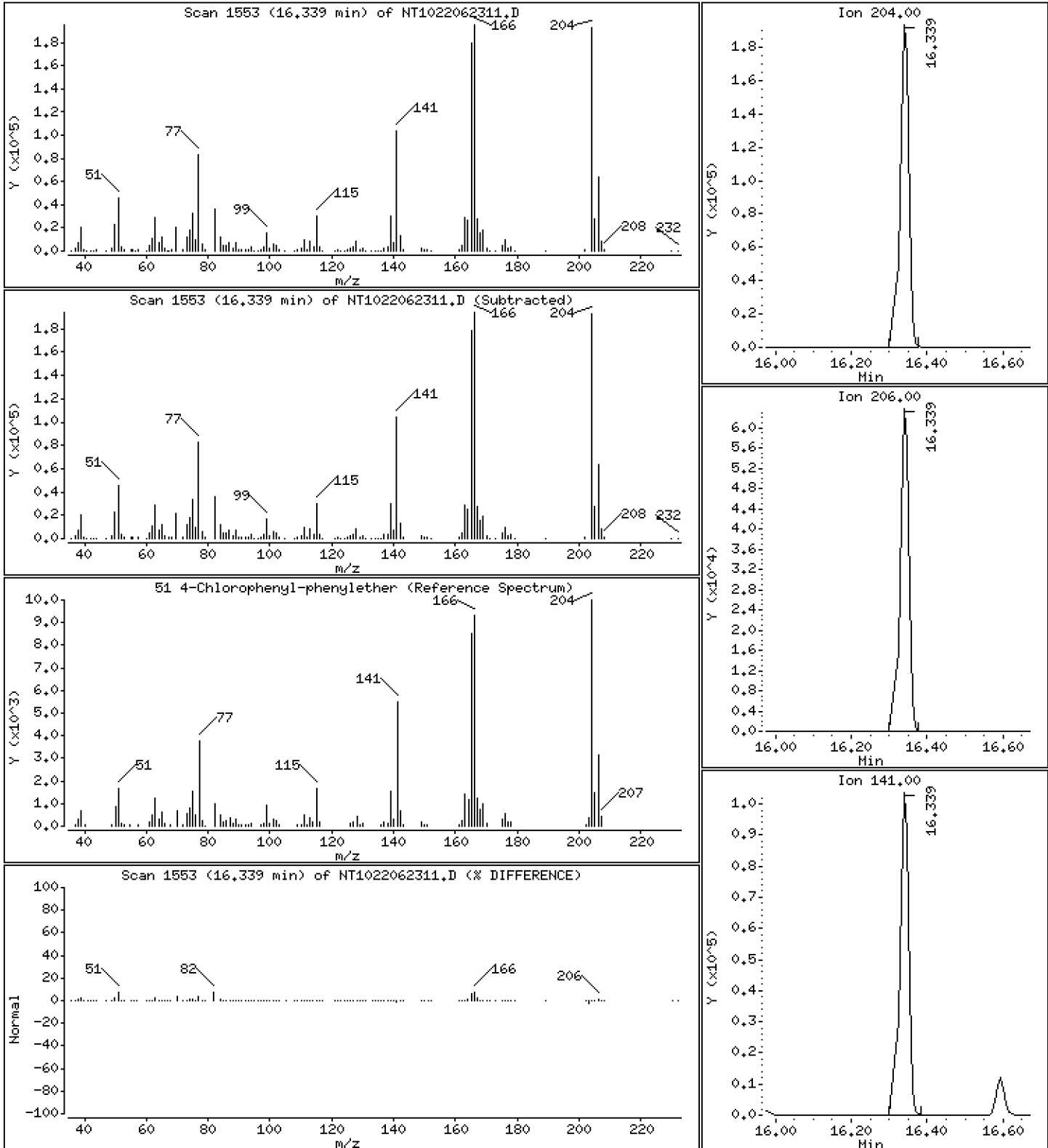
Operator: VTS

Column phase: ZB-5msi

Column diameter: 0,25

51 4-Chlorophenyl-phenylether

Concentration: 5,407 ug/mL



Date : 23-JUN-2022 15:20

Client ID:

Instrument: nt10.i

Sample Info: SKF0270-SCV1

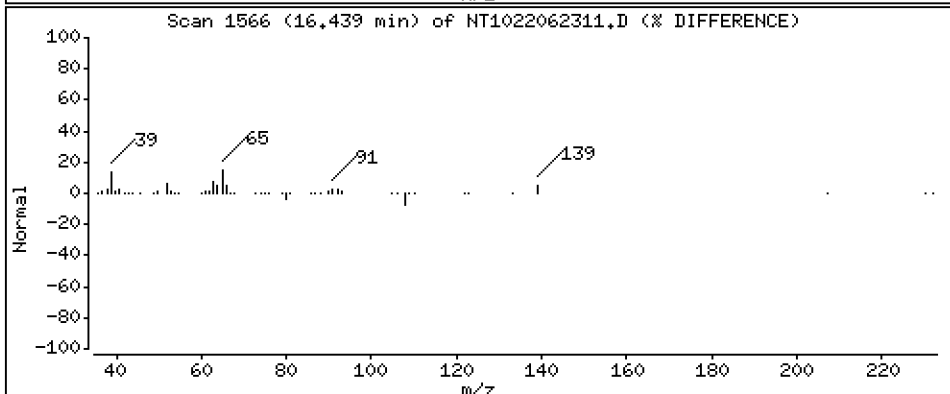
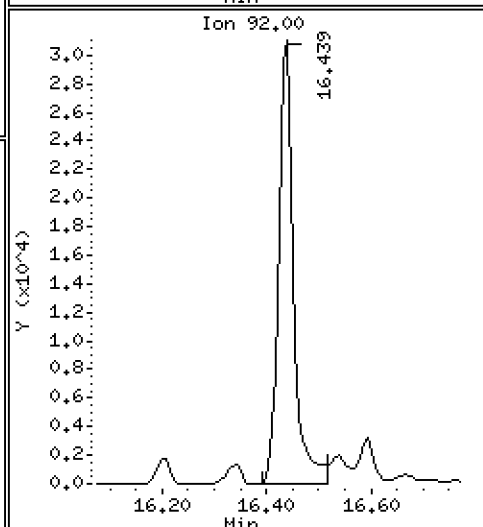
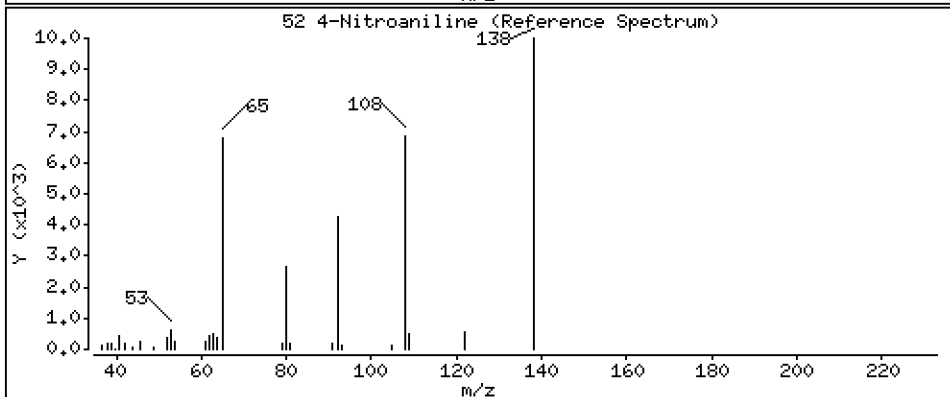
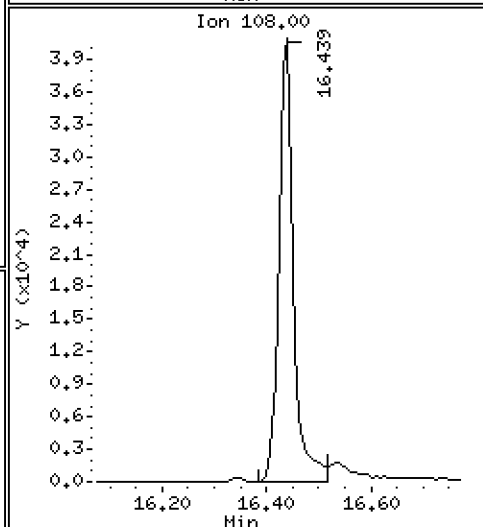
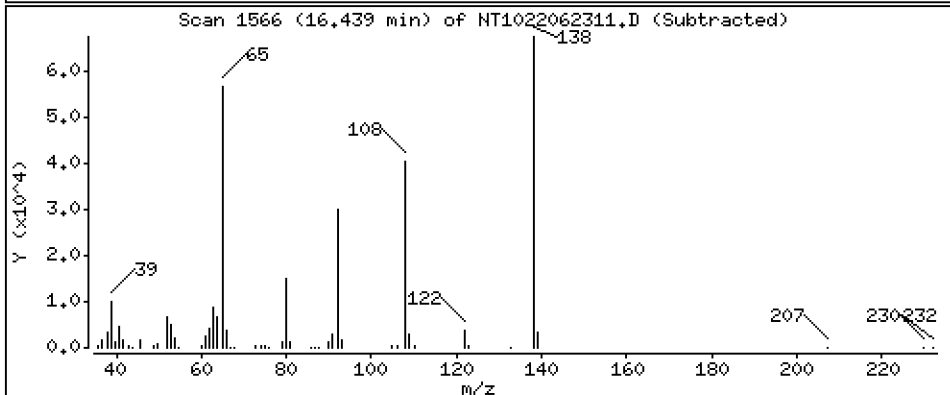
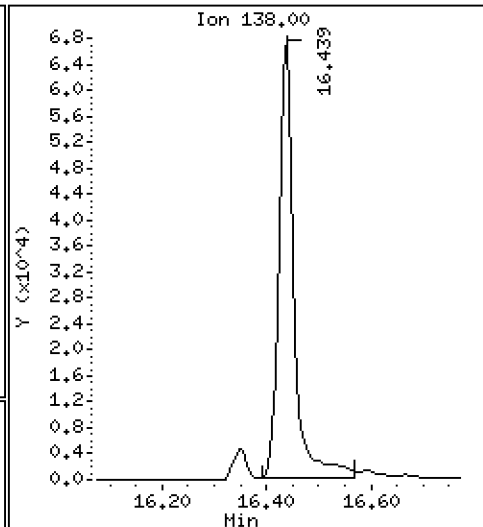
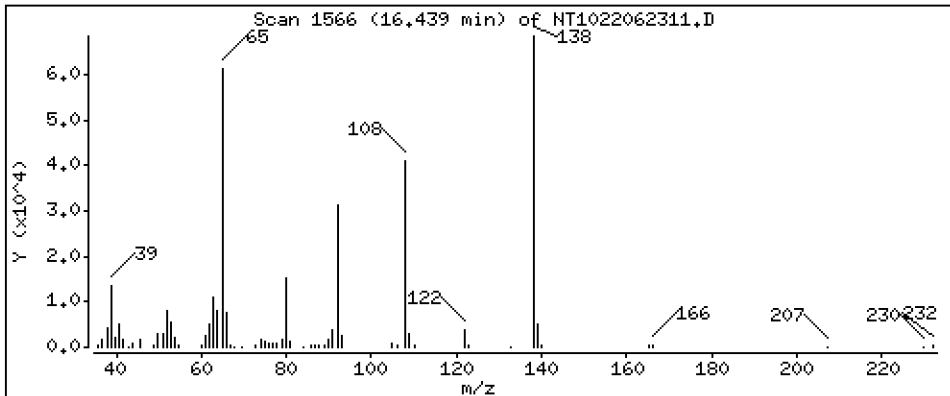
Operator: VTS

Column phase: ZB-5msi

Column diameter: 0,25

52 4-Nitroaniline

Concentration: 5,094 ug/mL



Date : 23-JUN-2022 15:20

Client ID:

Instrument: nt10.i

Sample Info: SKF0270-SCV1

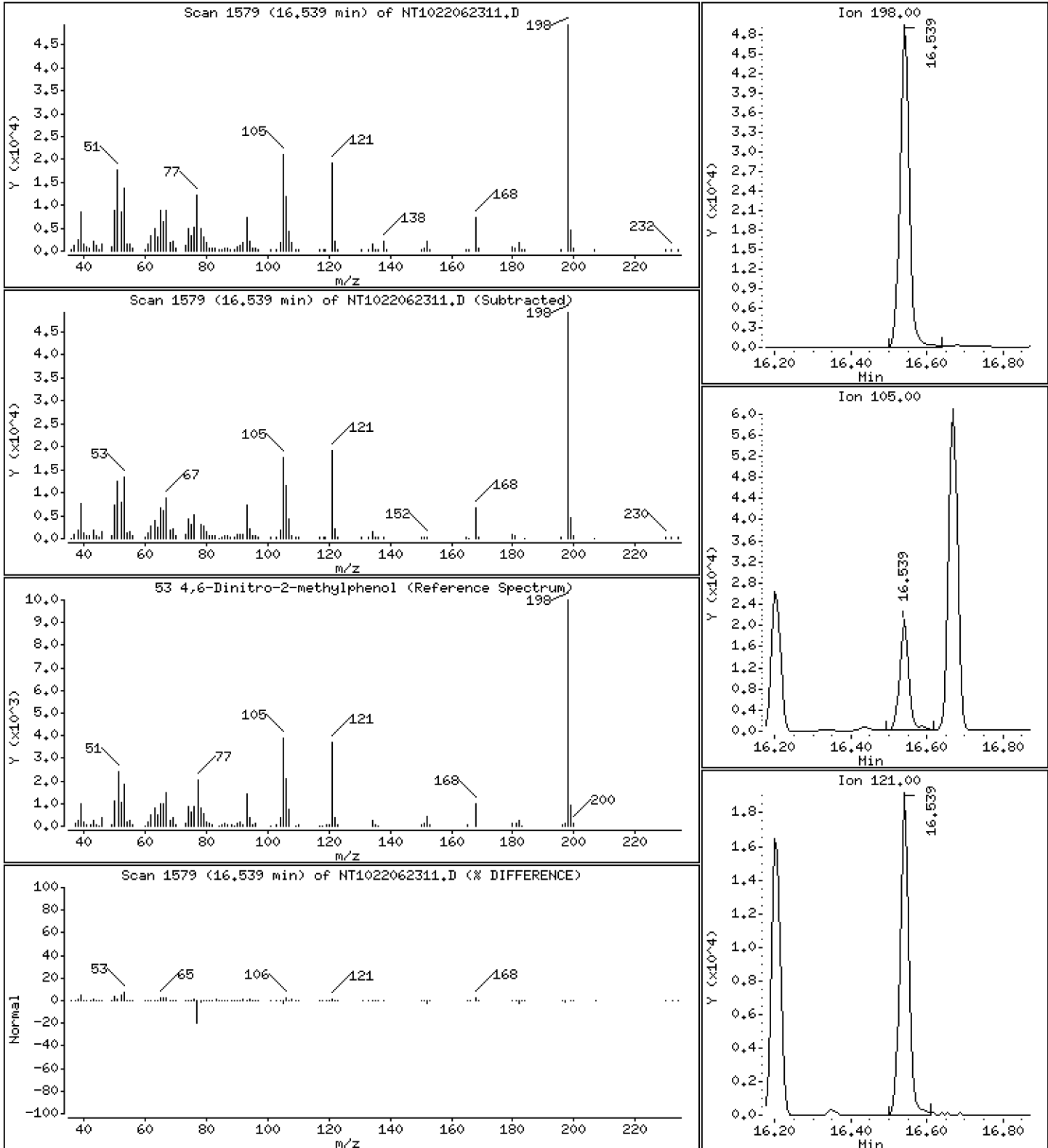
Operator: VTS

Column phase: ZB-5msi

Column diameter: 0,25

53 4,6-Dinitro-2-methylphenol

Concentration: 4,314 ug/mL



Date : 23-JUN-2022 15:20

Client ID:

Instrument: nt10.i

Sample Info: SKF0270-SCV1

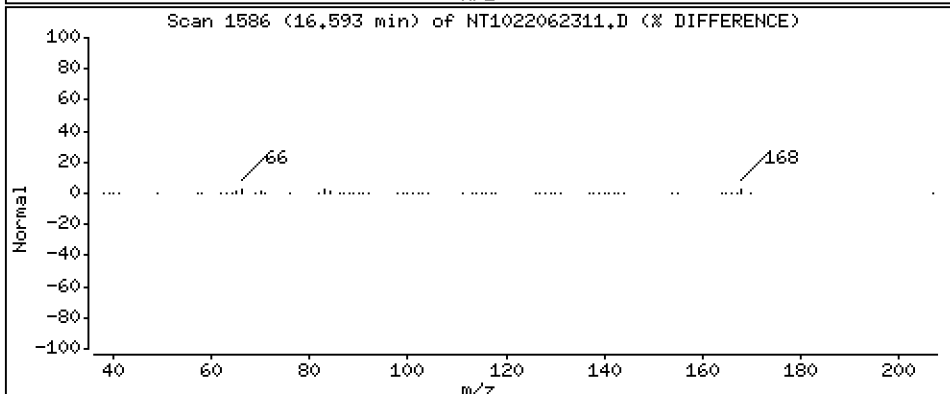
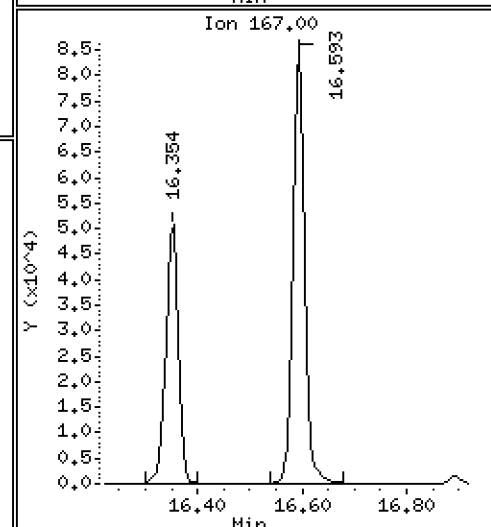
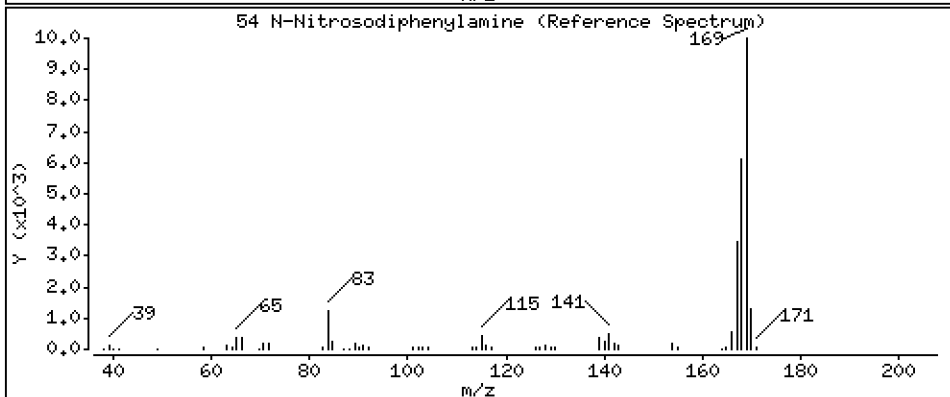
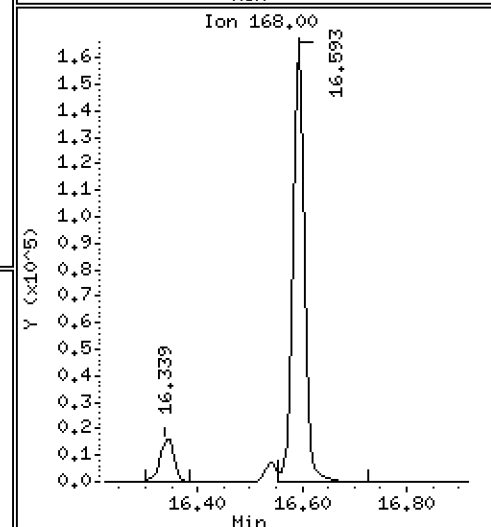
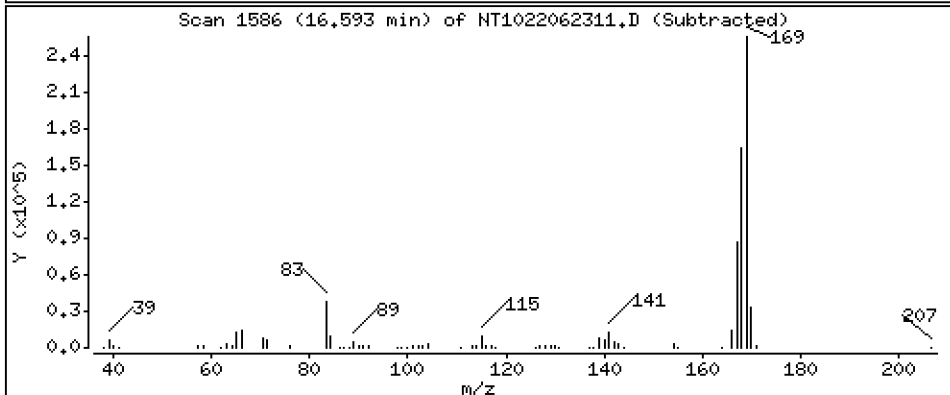
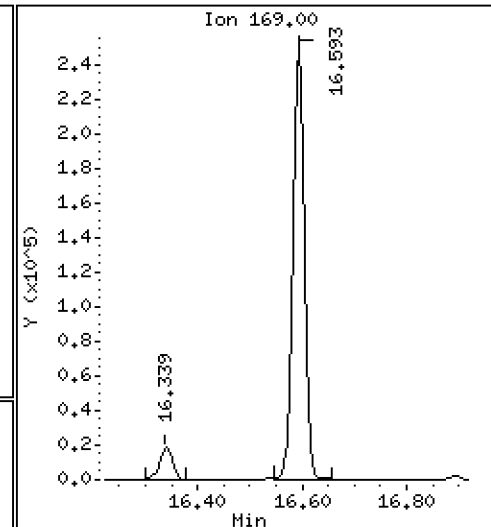
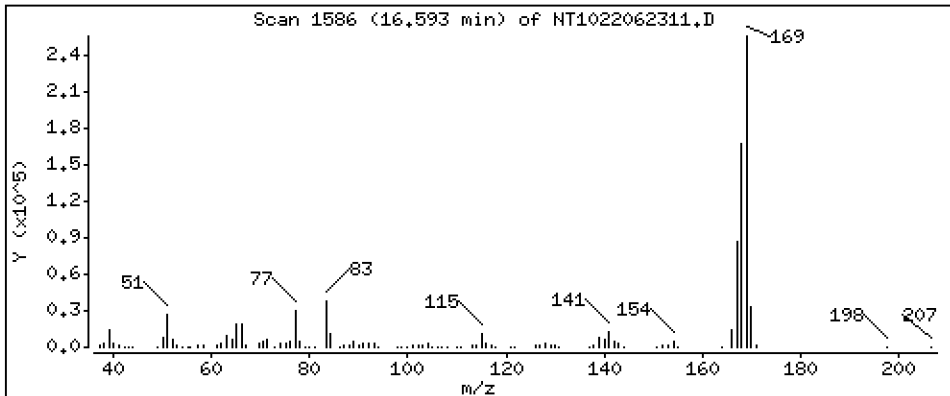
Operator: VTS

Column phase: ZB-5msi

Column diameter: 0,25

54 N-Nitrosodiphenylamine

Concentration: 4,983 ug/mL



Date : 23-JUN-2022 15:20

Client ID:

Instrument: nt10.i

Sample Info: SKF0270-SCV1

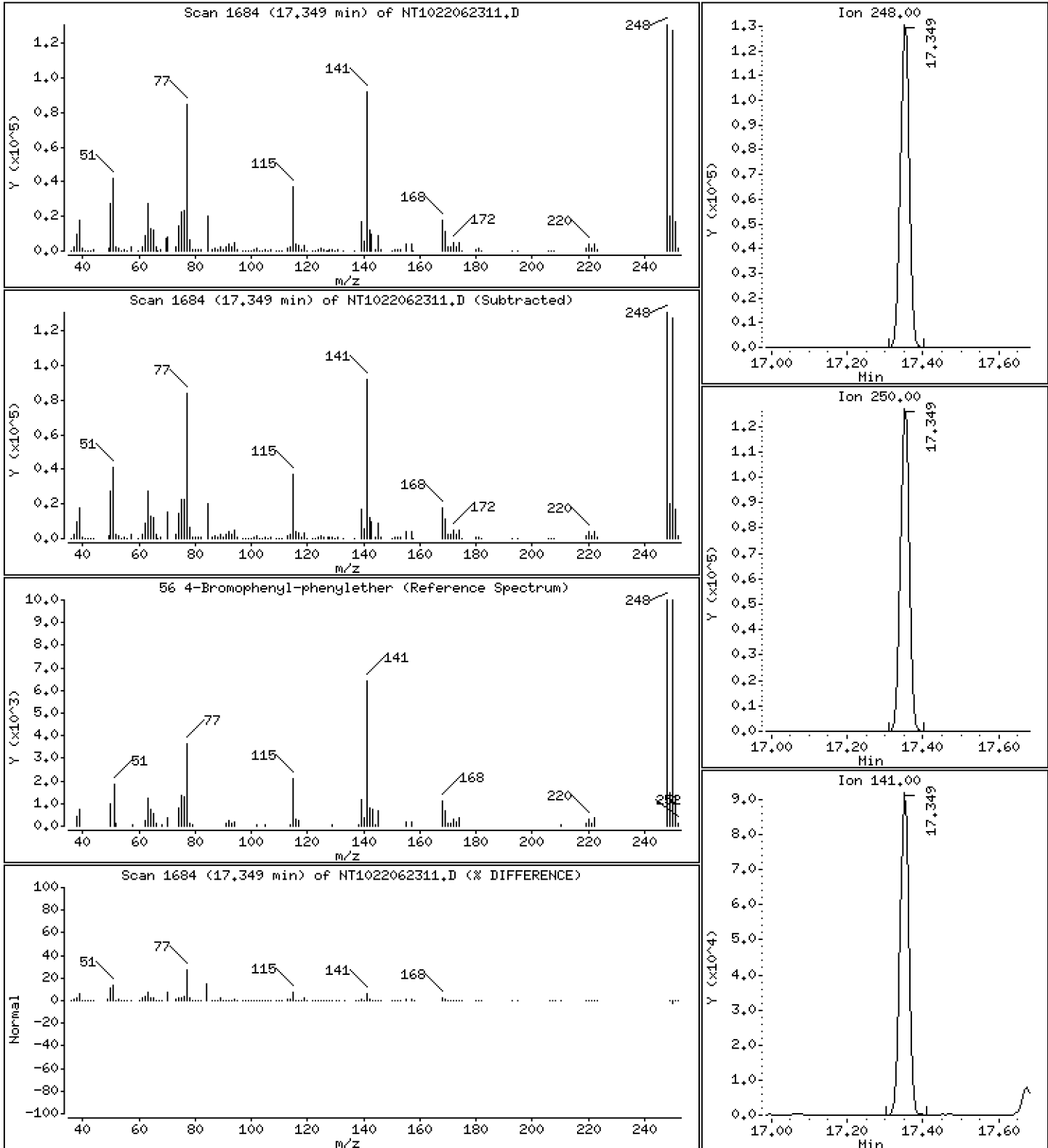
Operator: VTS

Column phase: ZB-5msi

Column diameter: 0,25

56 4-Bromophenyl-phenylether

Concentration: 5,456 ug/mL



Date : 23-JUN-2022 15:20

Client ID:

Instrument: nt10.i

Sample Info: SKF0270-SCV1

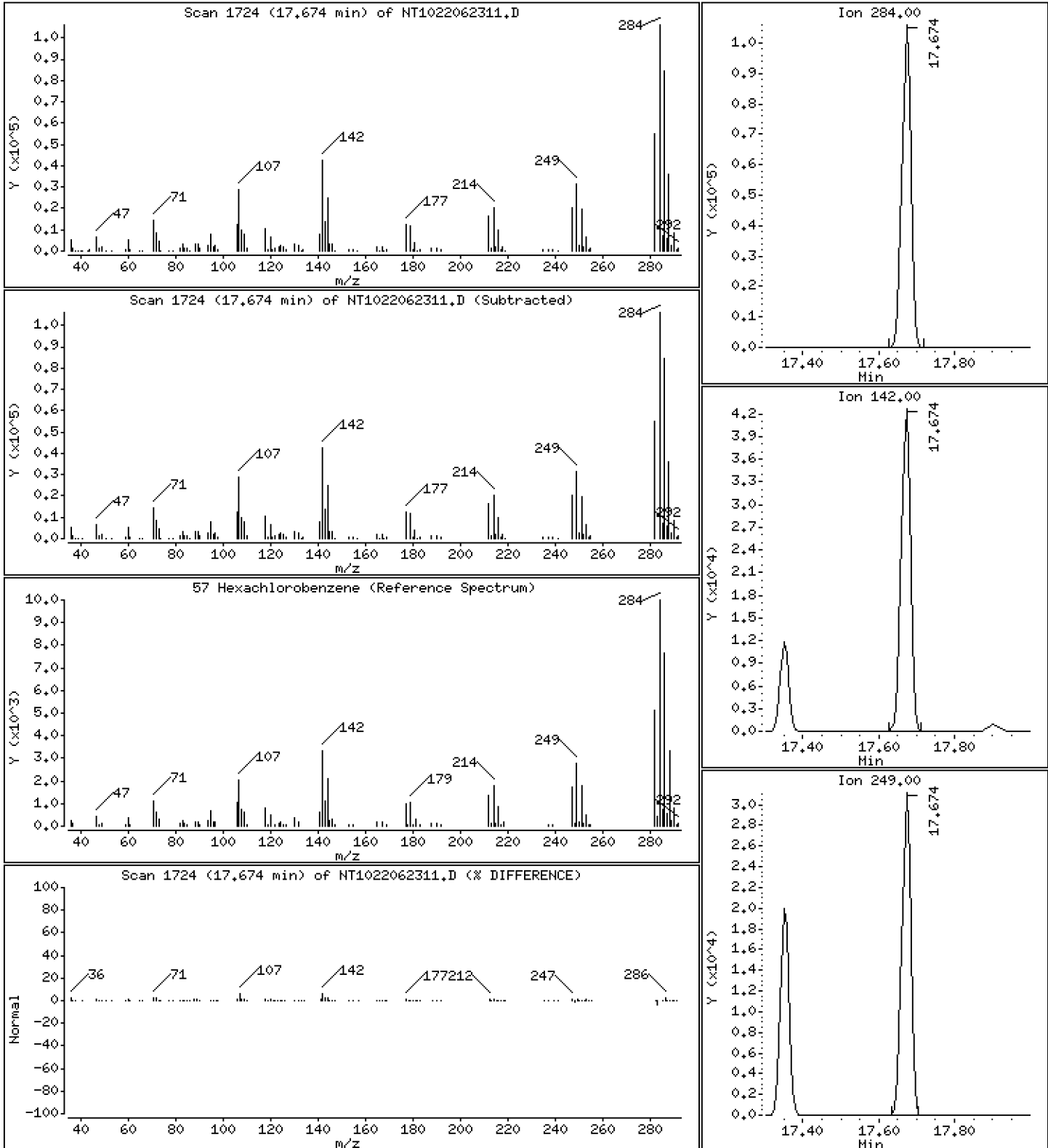
Operator: VTS

Column phase: ZB-5msi

Column diameter: 0,25

57 Hexachlorobenzene

Concentration: 5,114 ug/mL



Date : 23-JUN-2022 15:20

Client ID:

Instrument: nt10.i

Sample Info: SKF0270-SCV1

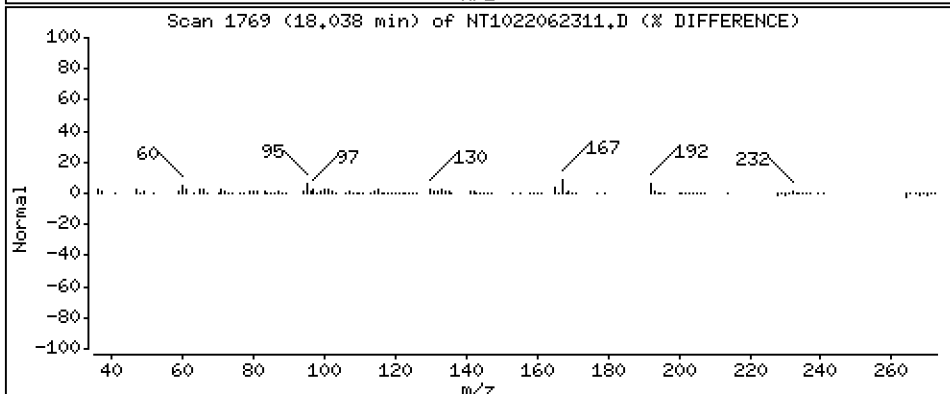
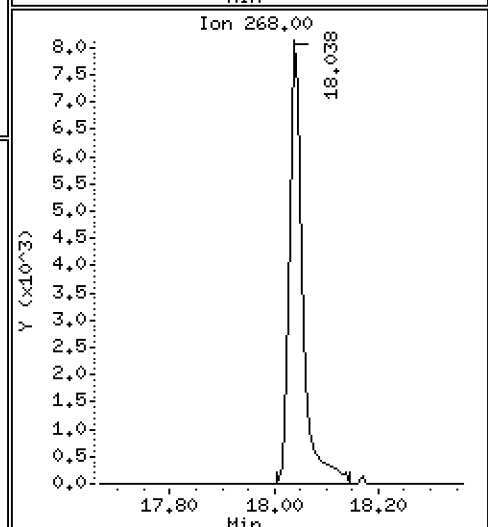
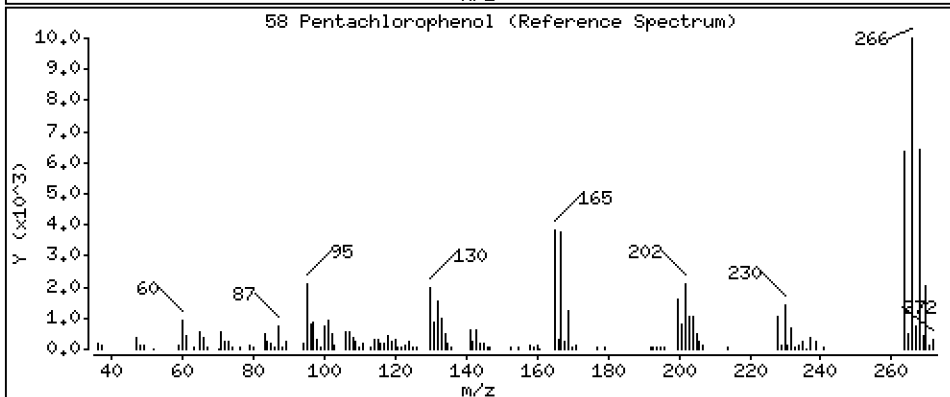
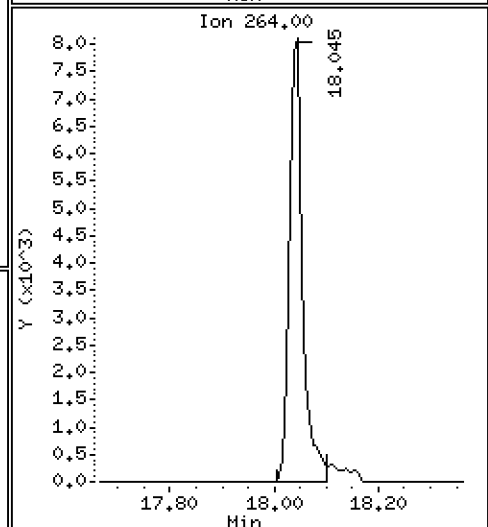
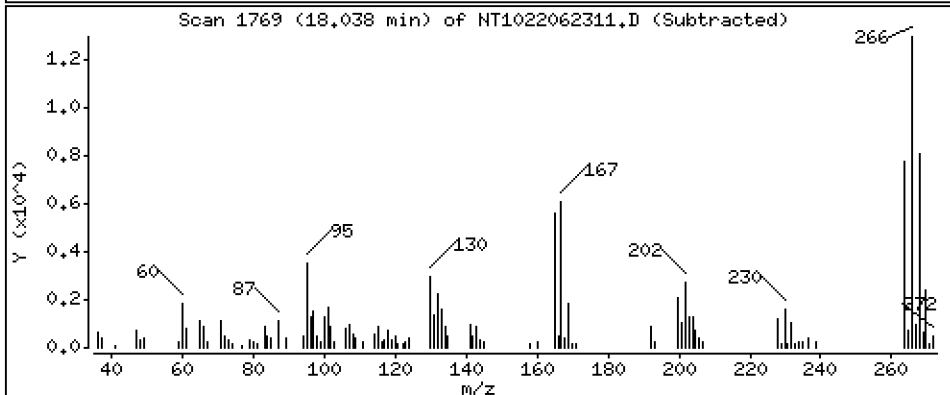
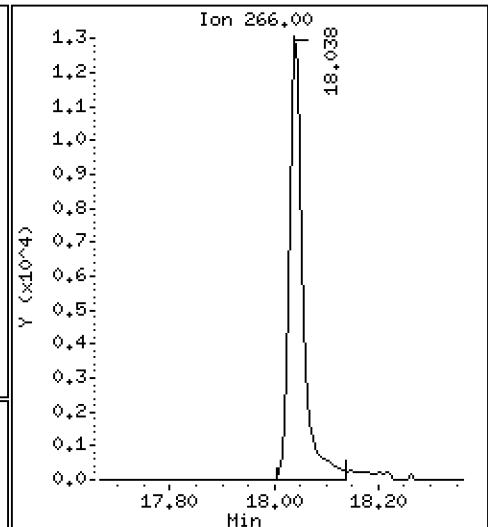
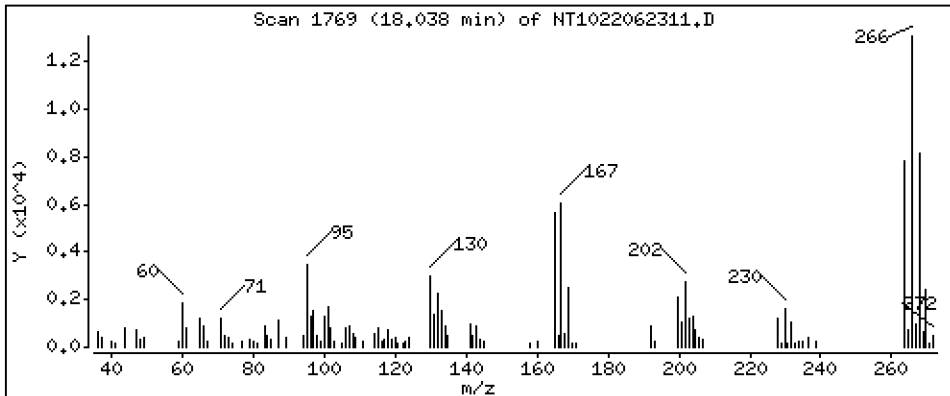
Operator: VTS

Column phase: ZB-5msi

Column diameter: 0,25

58 Pentachlorophenol

Concentration: 3,238 ug/mL



Date : 23-JUN-2022 15:20

Client ID:

Instrument: nt10.i

Sample Info: SKF0270-SCV1

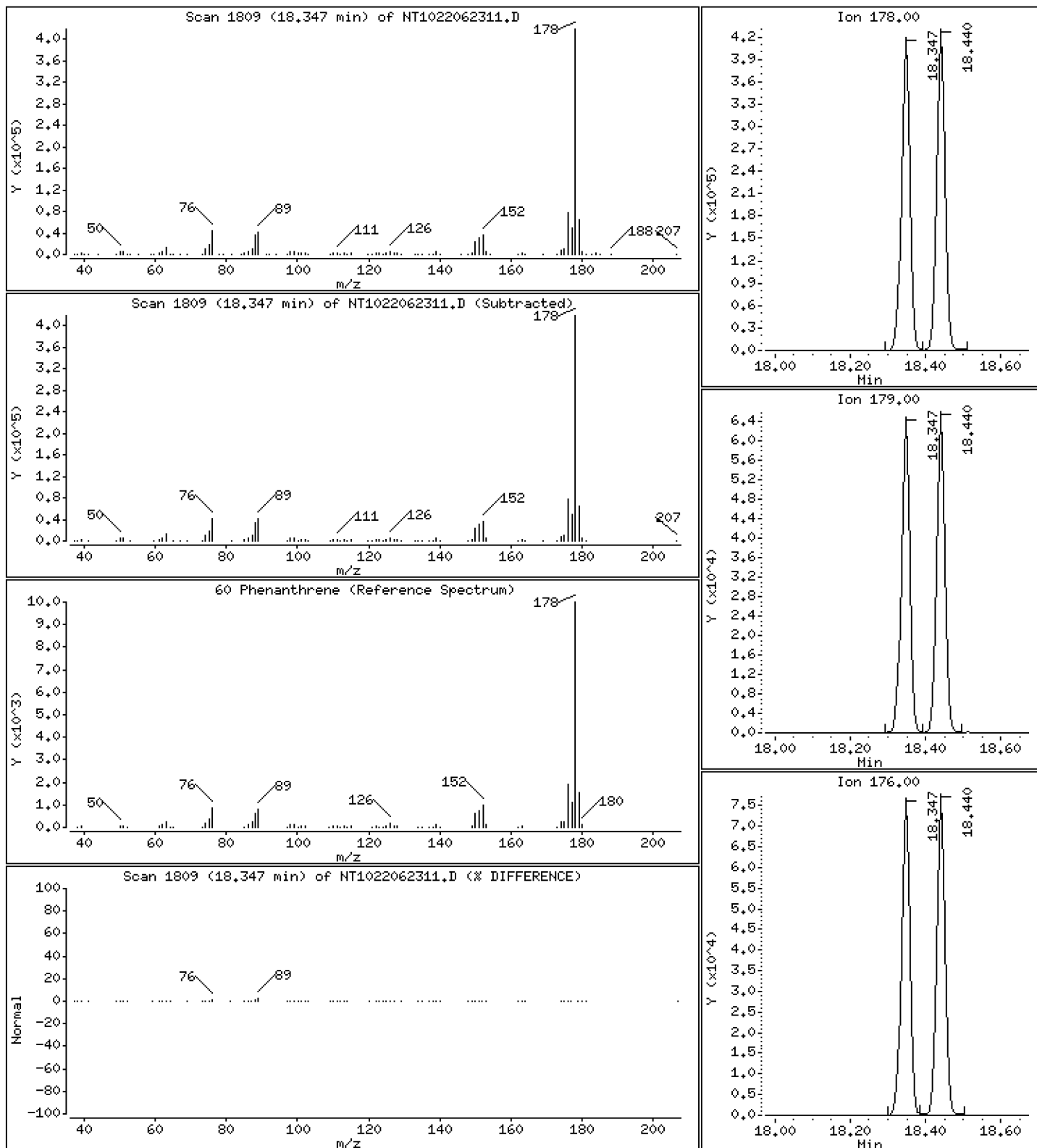
Operator: VTS

Column phase: ZB-5msi

Column diameter: 0,25

60 Phenanthrene

Concentration: 4,893 ug/mL



Date : 23-JUN-2022 15:20

Client ID:

Instrument: nt10.i

Sample Info: SKF0270-SCV1

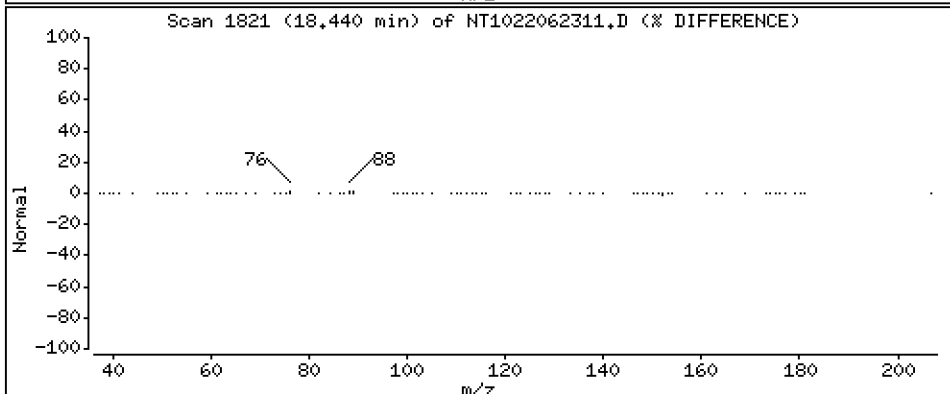
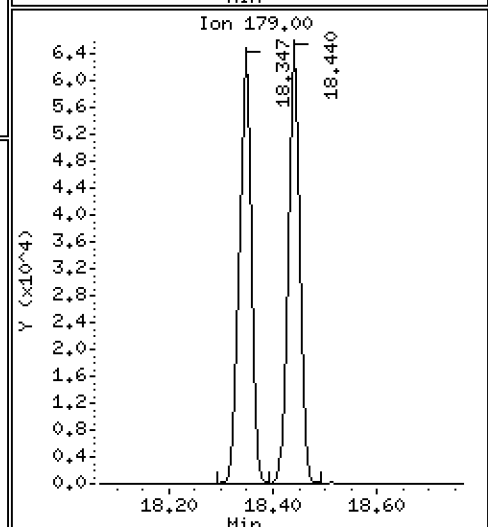
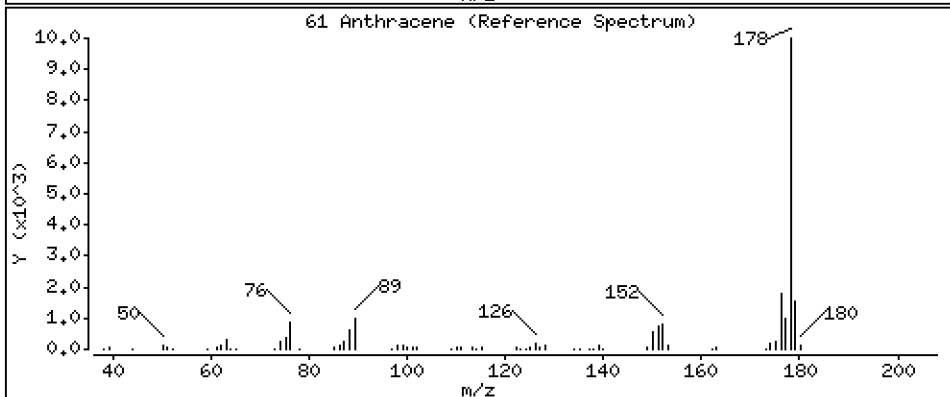
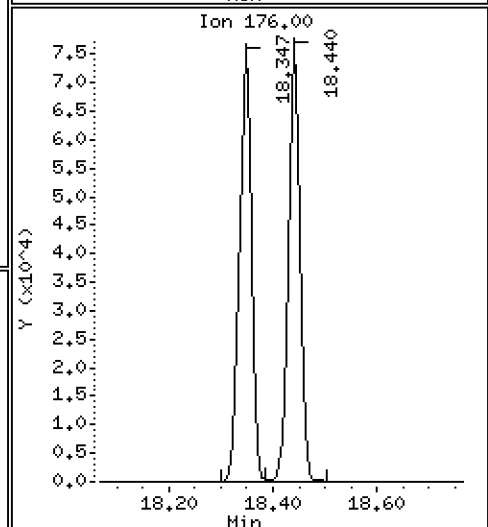
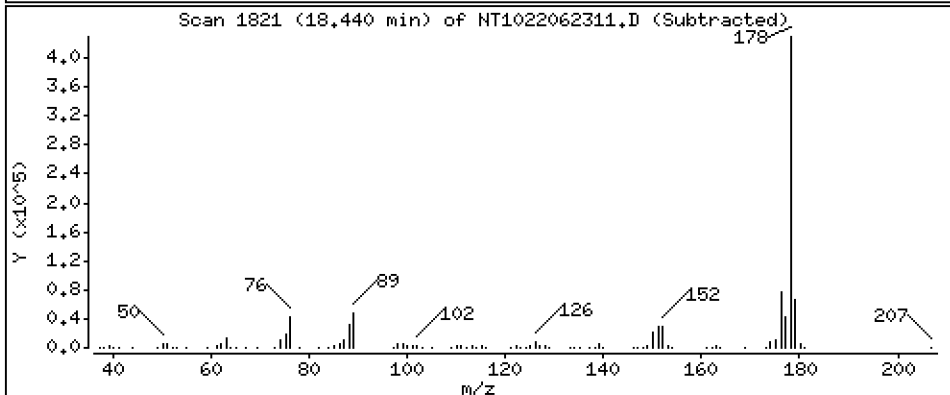
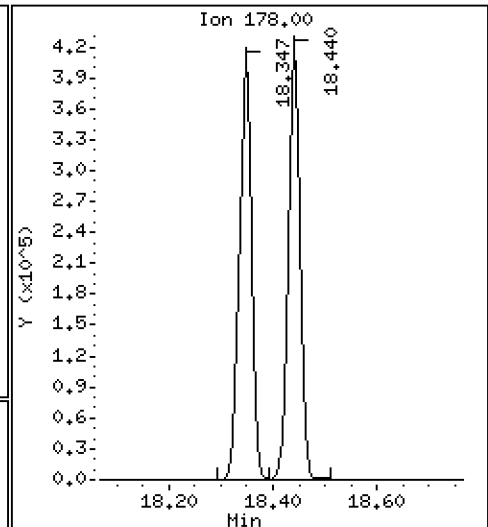
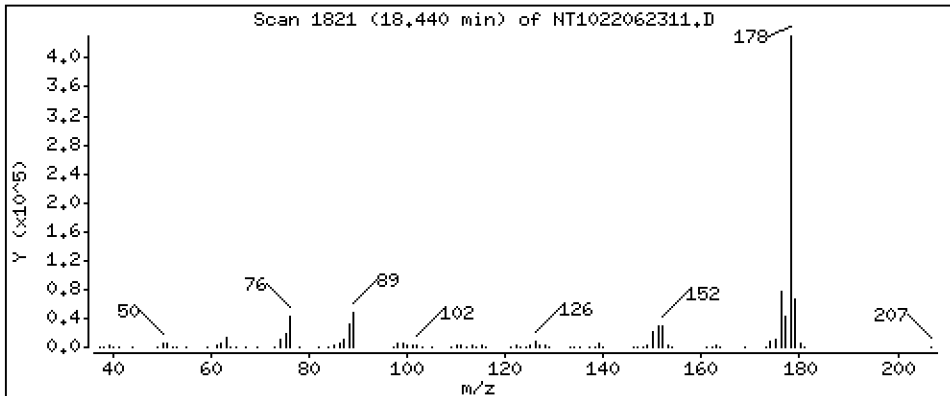
Operator: VTS

Column phase: ZB-5msi

Column diameter: 0,25

61 Anthracene

Concentration: 4,828 ug/mL



Date : 23-JUN-2022 15:20

Client ID:

Instrument: nt10.i

Sample Info: SKF0270-SCV1

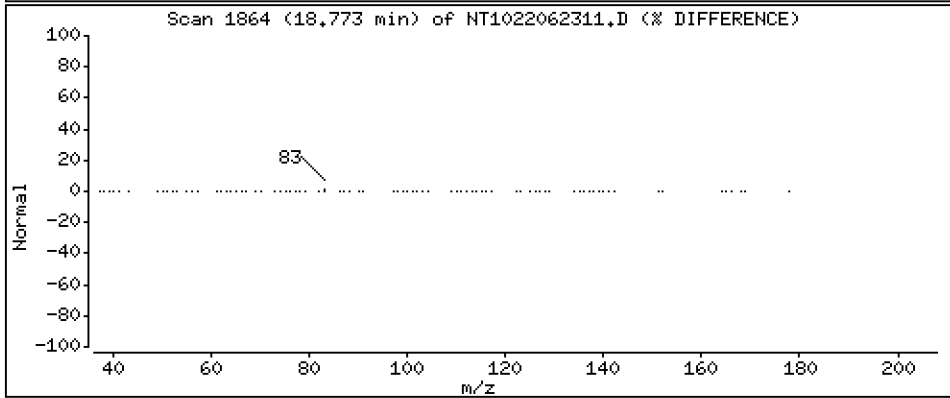
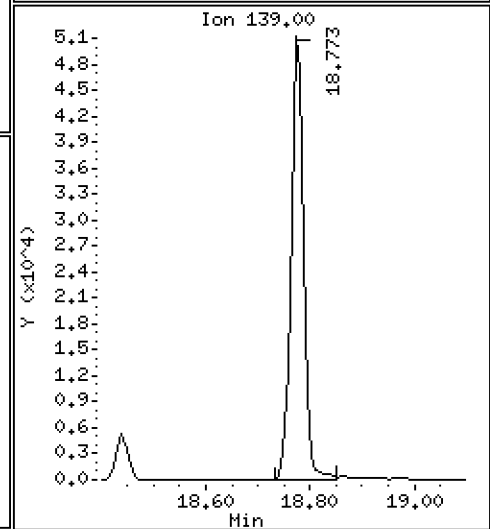
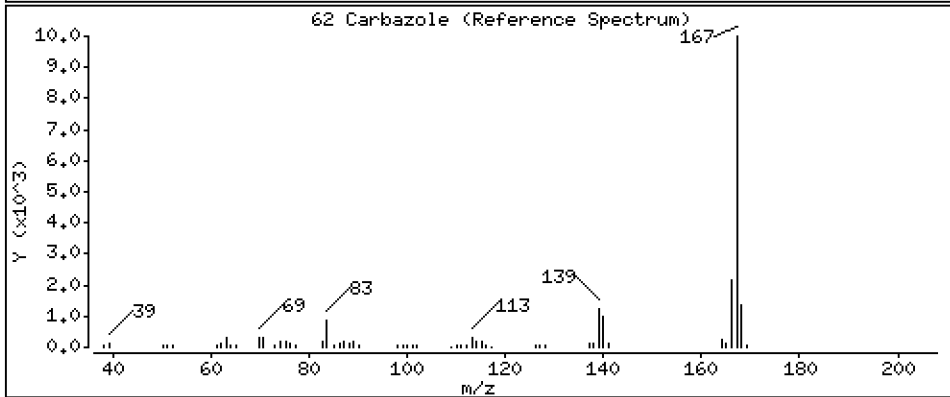
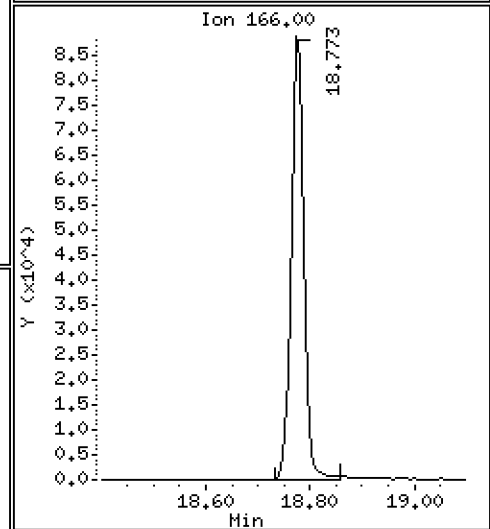
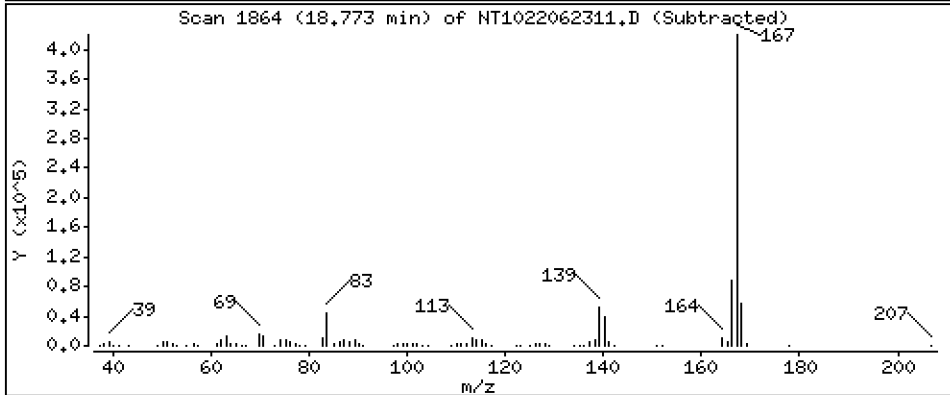
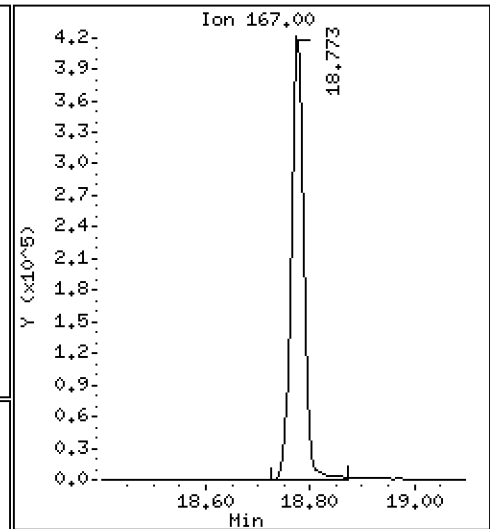
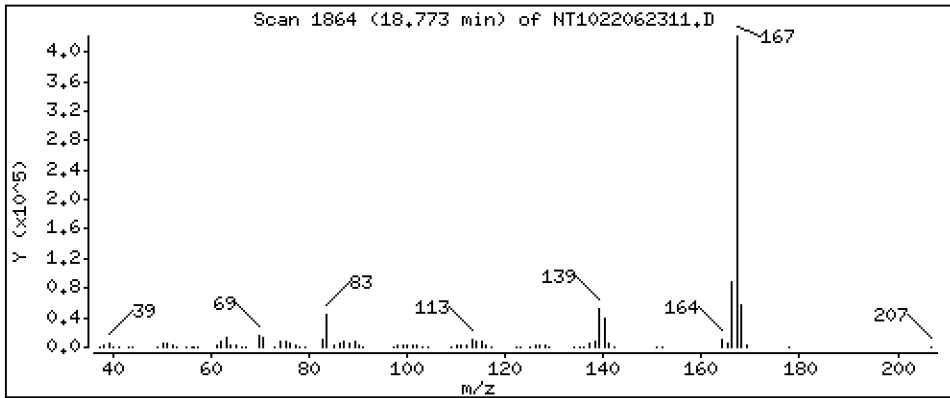
Operator: VTS

Column phase: ZB-5msi

Column diameter: 0,25

62 Carbazole

Concentration: 5,567 ug/mL



Date : 23-JUN-2022 15:20

Client ID:

Instrument: nt10.i

Sample Info: SKF0270-SCV1

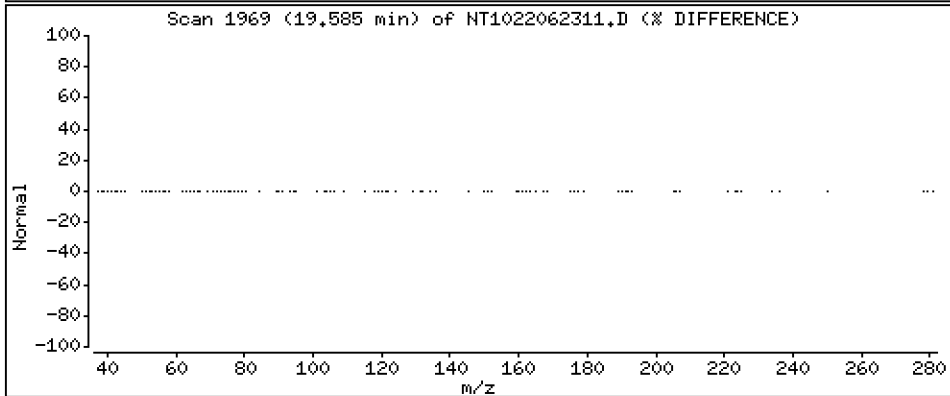
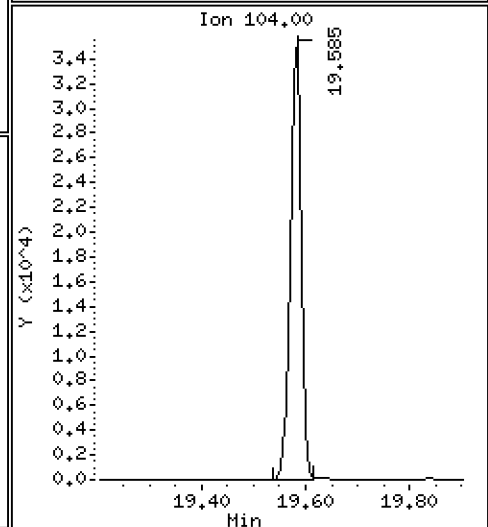
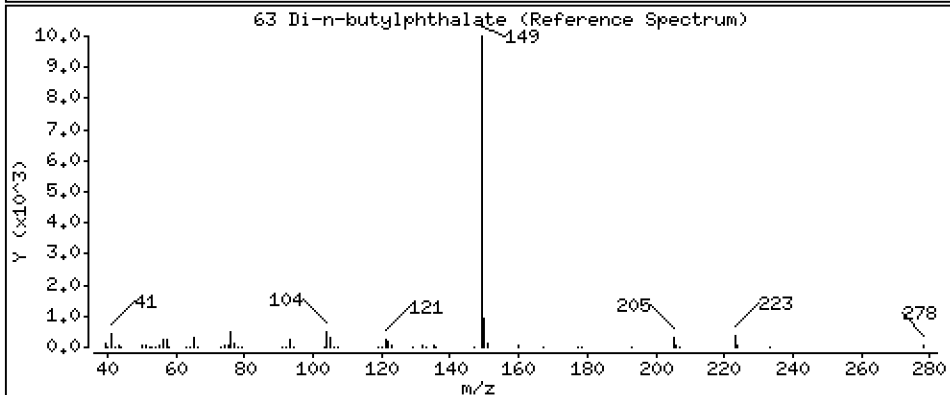
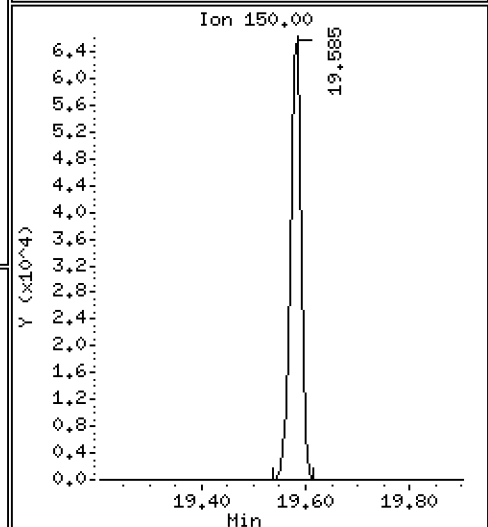
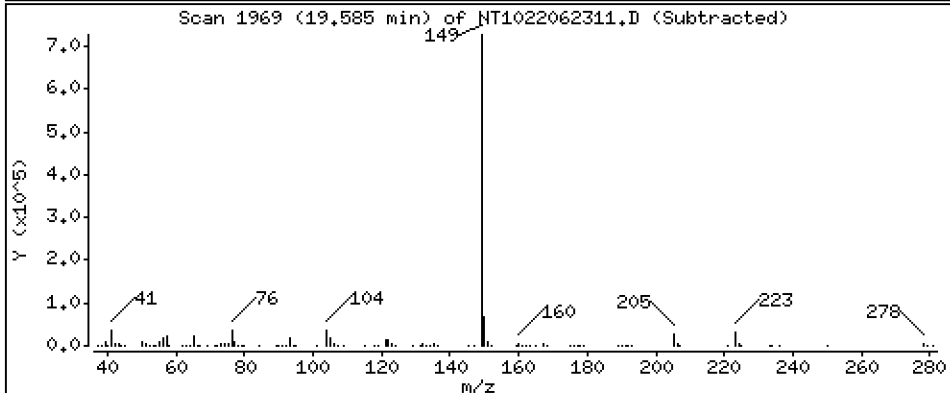
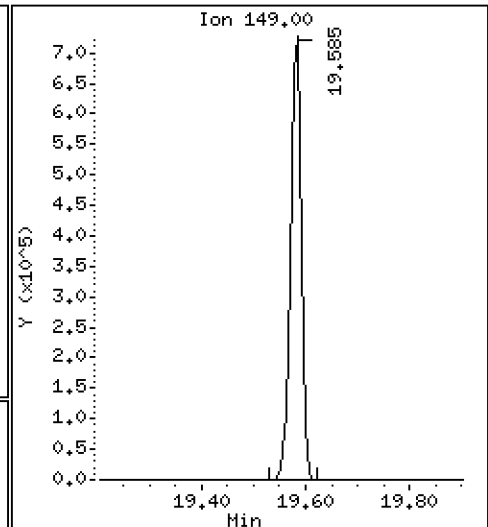
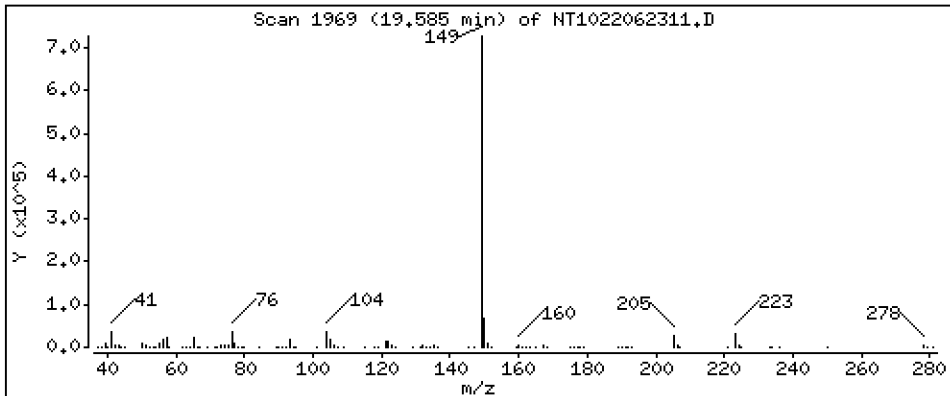
Operator: VTS

Column phase: ZB-5msi

Column diameter: 0.25

63 Di-n-butylphthalate

Concentration: 5.328 ug/mL



Date : 23-JUN-2022 15:20

Client ID:

Instrument: nt10.i

Sample Info: SKF0270-SCV1

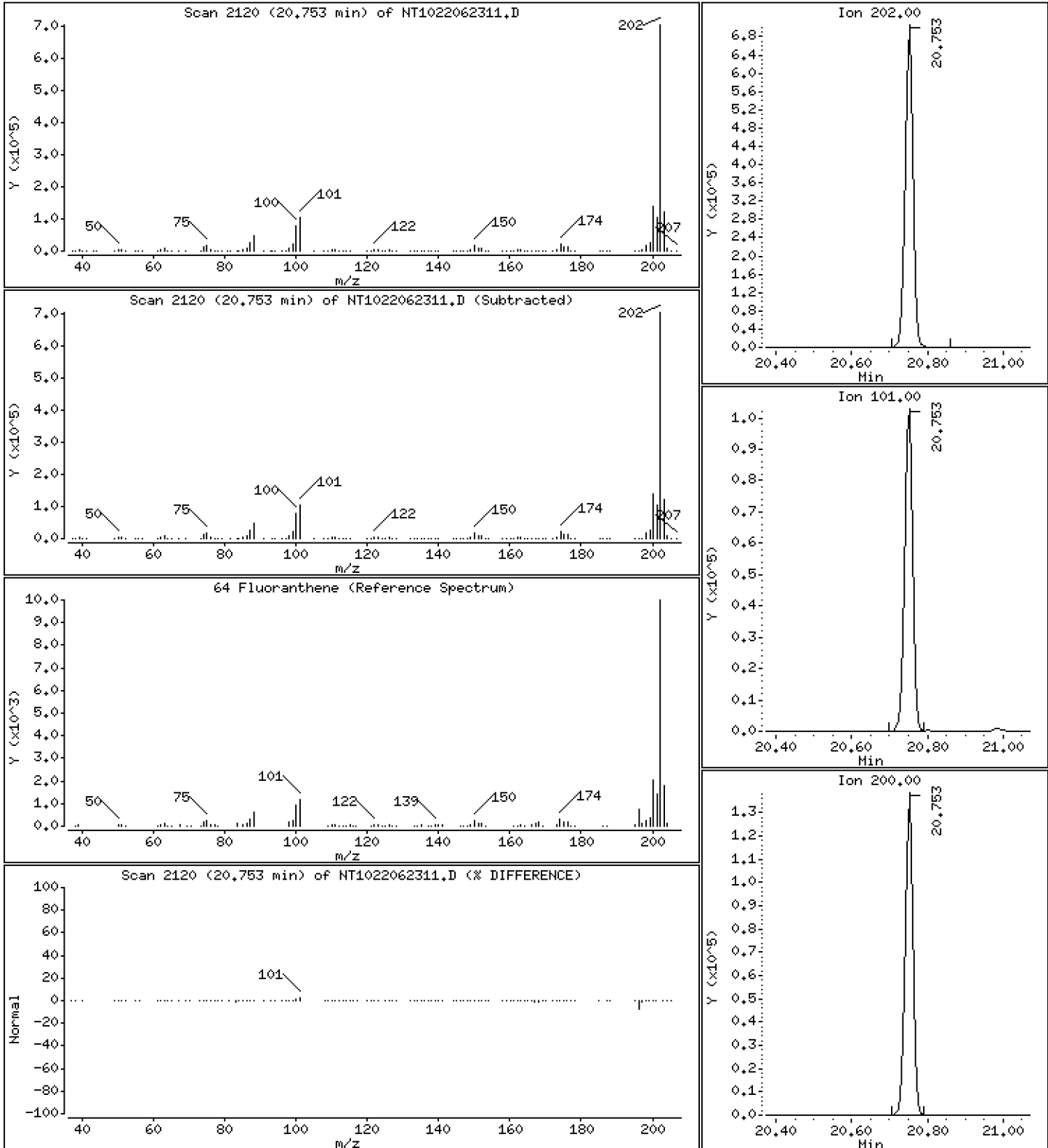
Operator: VTS

Column phase: ZB-5msi

Column diameter: 0,25

64 Fluoranthene

Concentration: 4,192 ug/mL



Date : 23-JUN-2022 15:20

Client ID:

Instrument: nt10.i

Sample Info: SKF0270-SCV1

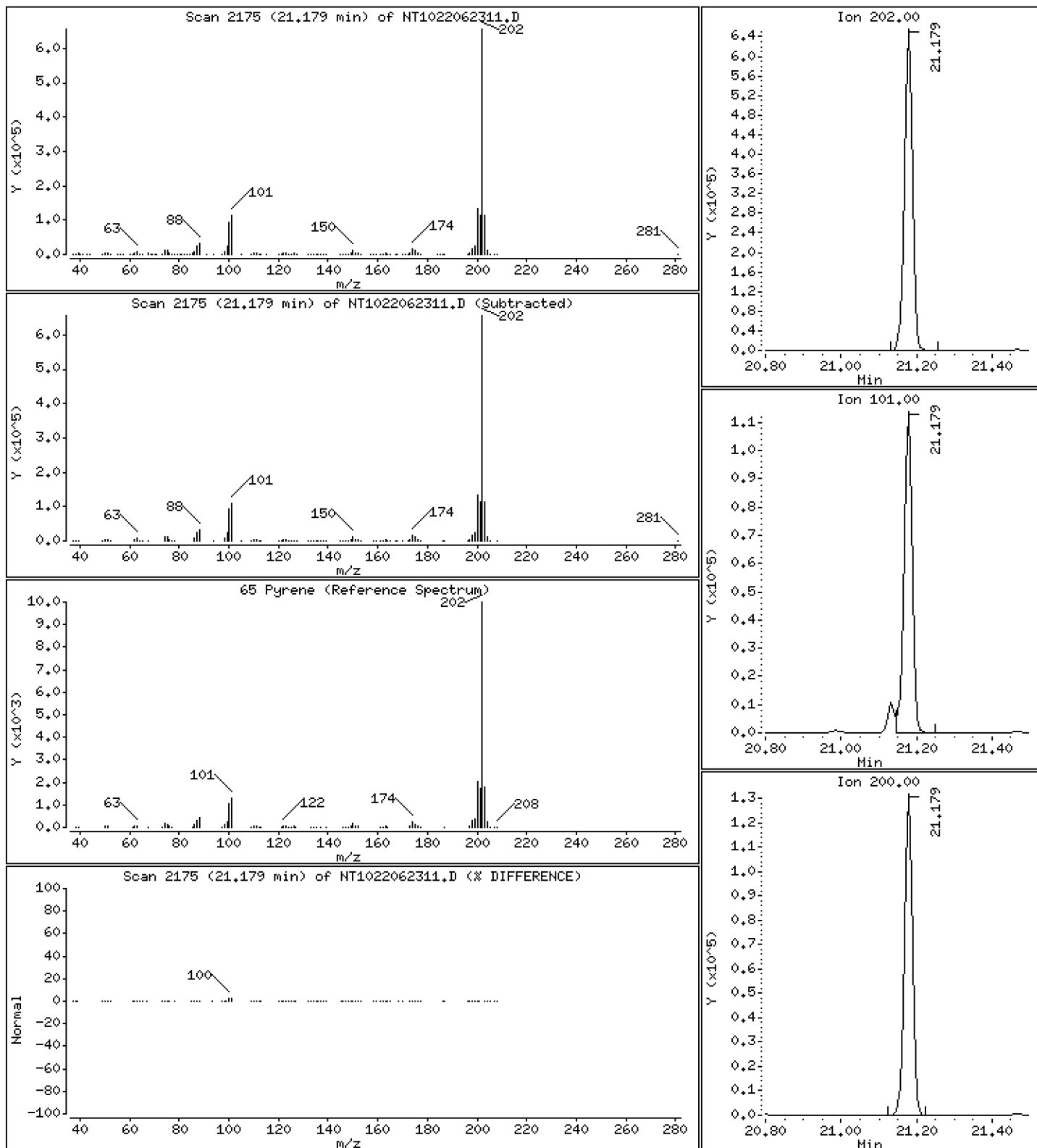
Operator: VTS

Column phase: ZB-5msi

Column diameter: 0,25

65 Pyrene

Concentration: 4,572 ug/mL



Date : 23-JUN-2022 15:20

Client ID:

Instrument: nt10.i

Sample Info: SKF0270-SCV1

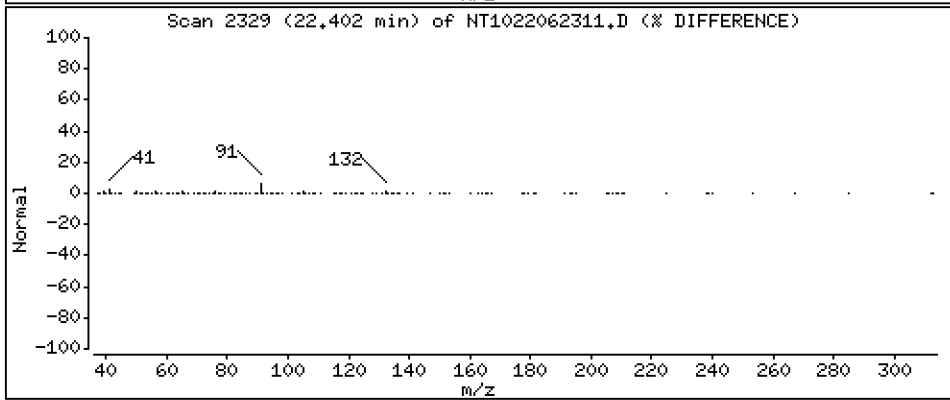
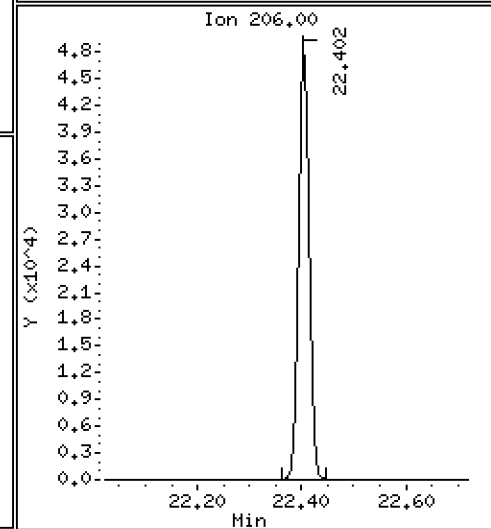
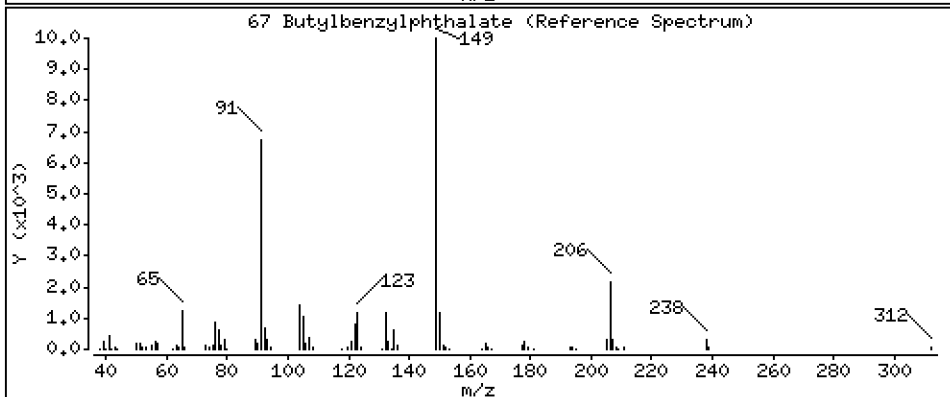
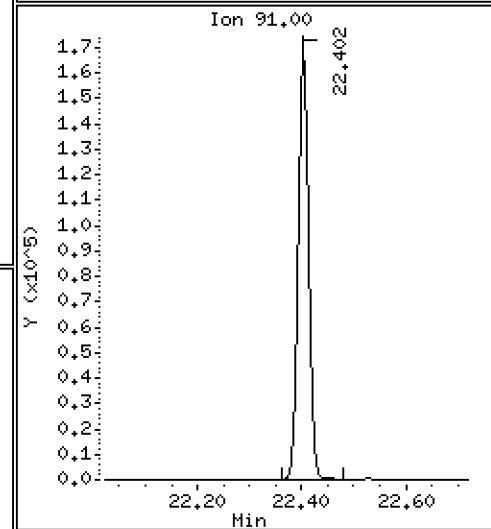
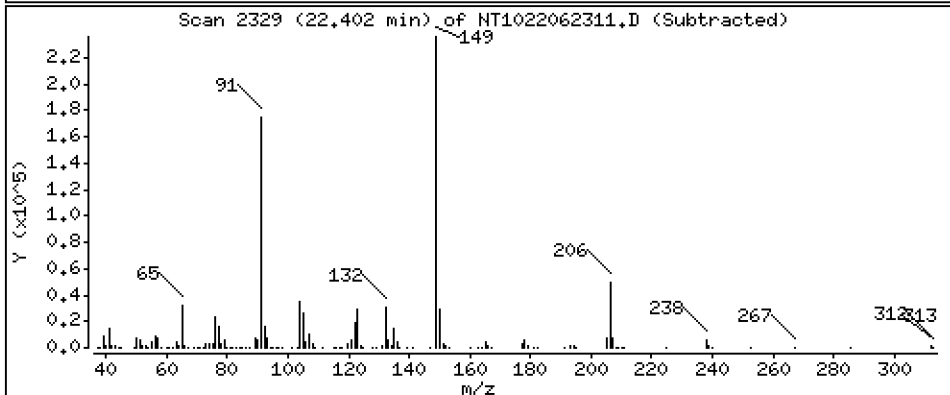
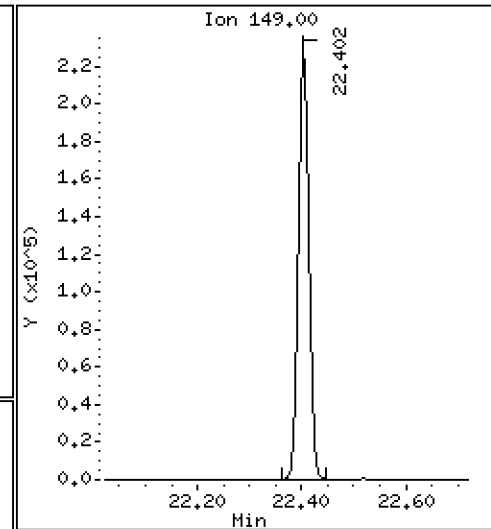
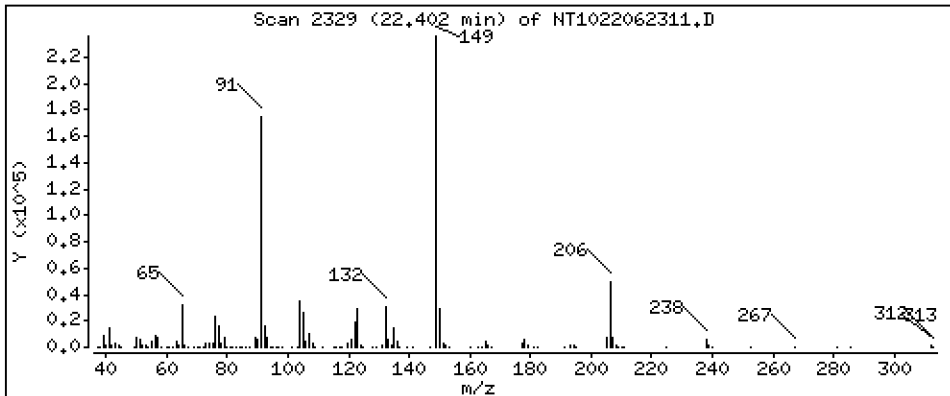
Operator: VTS

Column phase: ZB-5msi

Column diameter: 0,25

67 Butylbenzylphthalate

Concentration: 4,860 ug/mL



Date : 23-JUN-2022 15:20

Client ID:

Instrument: nt10.i

Sample Info: SKF0270-SCV1

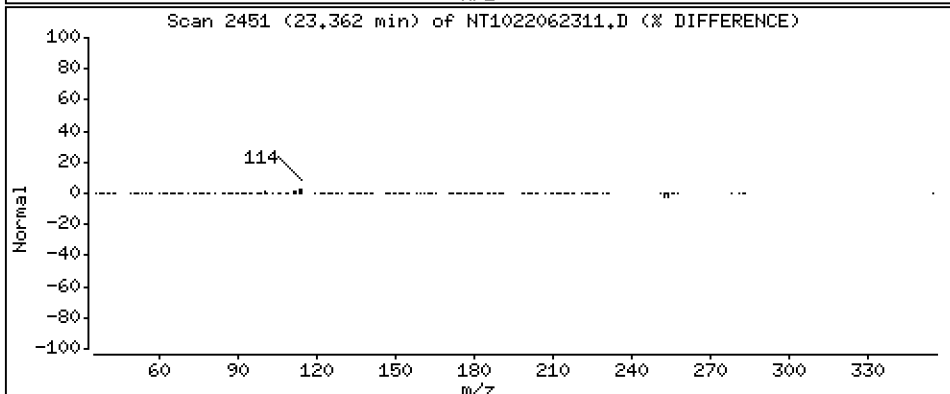
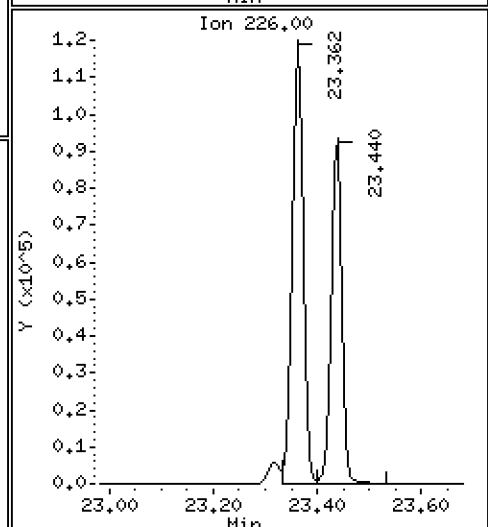
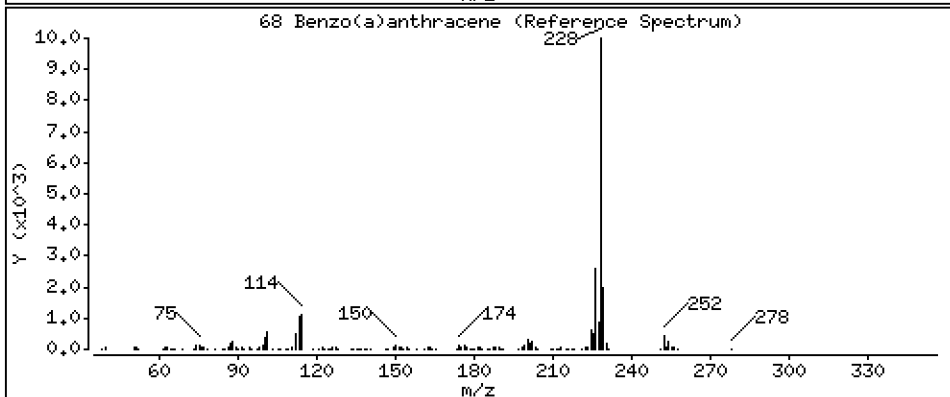
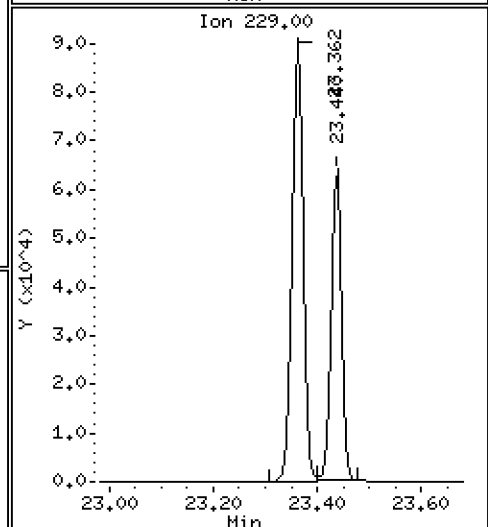
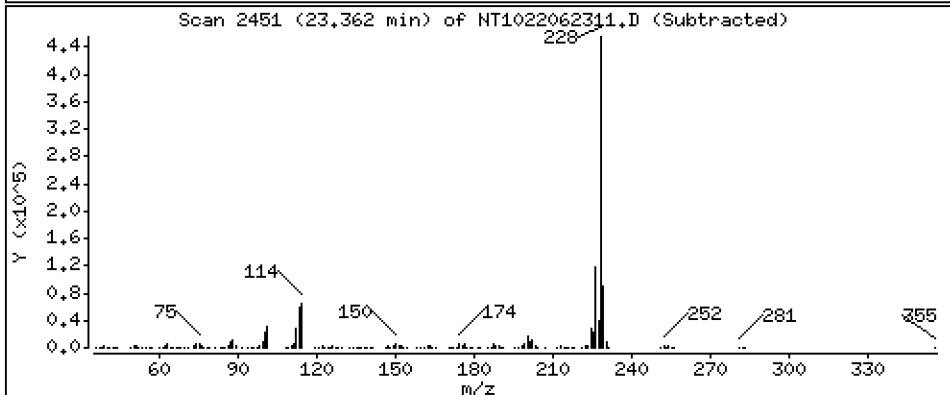
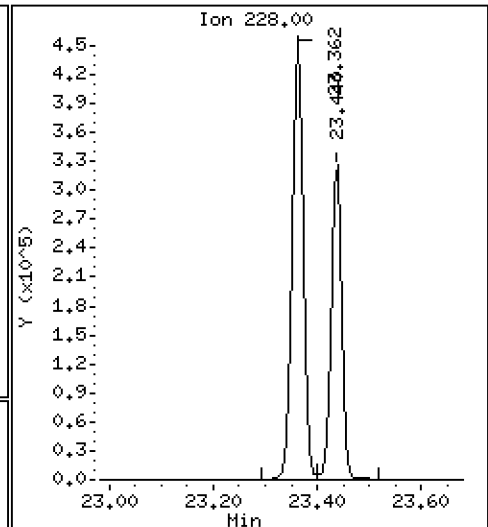
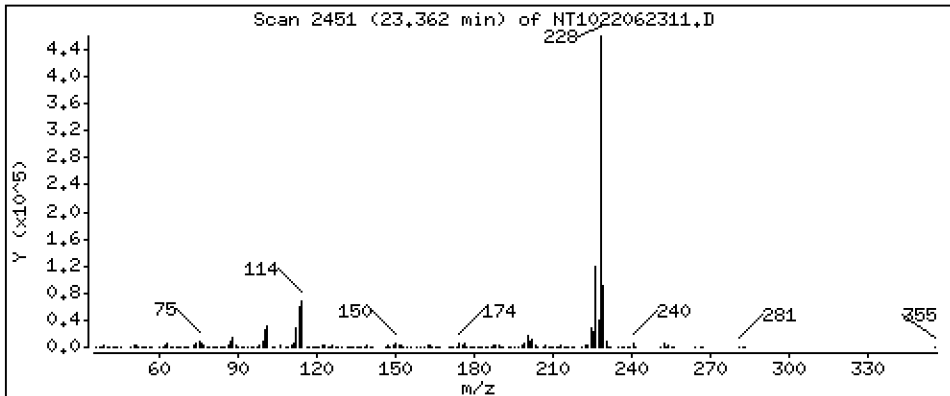
Operator: VTS

Column phase: ZB-5msi

Column diameter: 0,25

68 Benzo(a)anthracene

Concentration: 4,852 ug/mL



Date : 23-JUN-2022 15:20

Client ID:

Instrument: nt10.i

Sample Info: SKF0270-SCV1

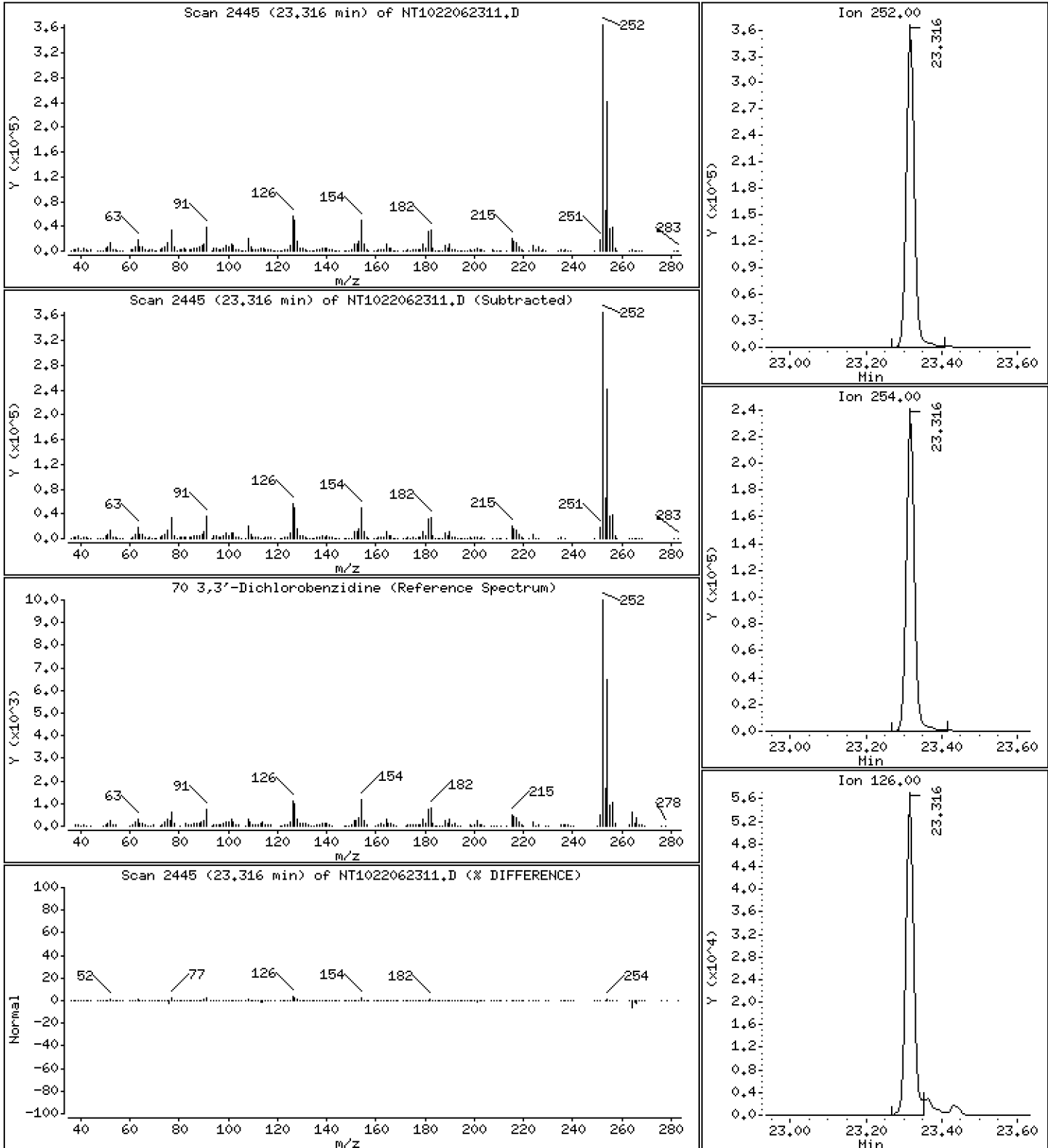
Operator: VTS

Column phase: ZB-5msi

Column diameter: 0,25

70 3,3'-Dichlorobenzidine

Concentration: 11,77 ug/mL



Date : 23-JUN-2022 15:20

Client ID:

Instrument: nt10.i

Sample Info: SKF0270-SCV1

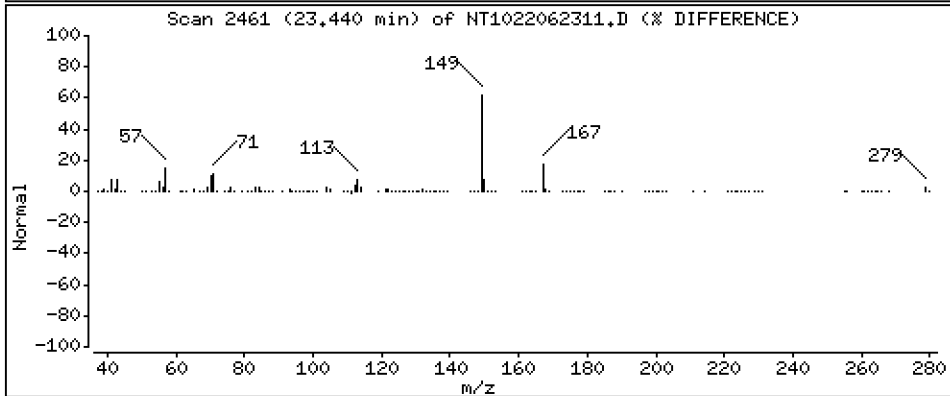
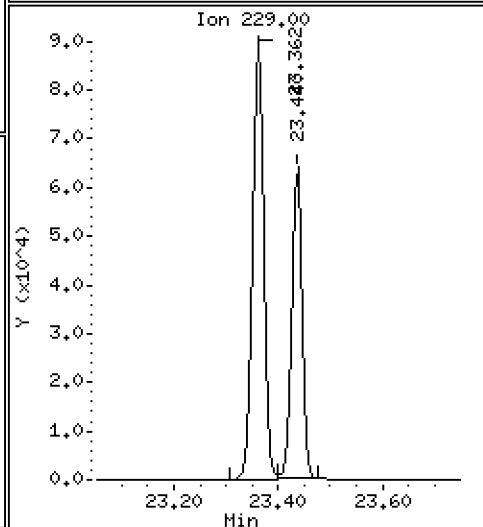
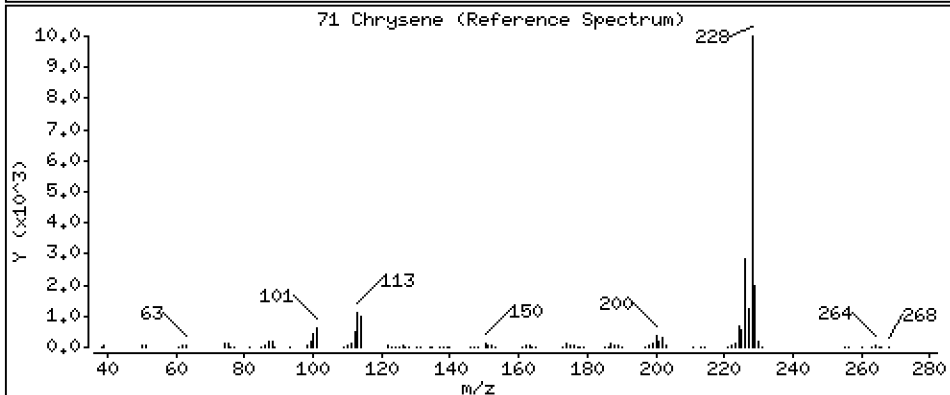
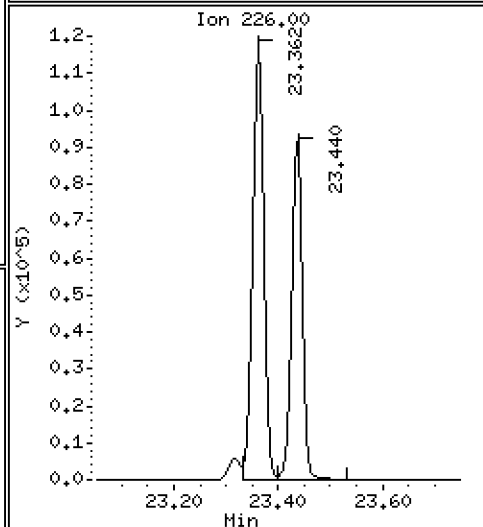
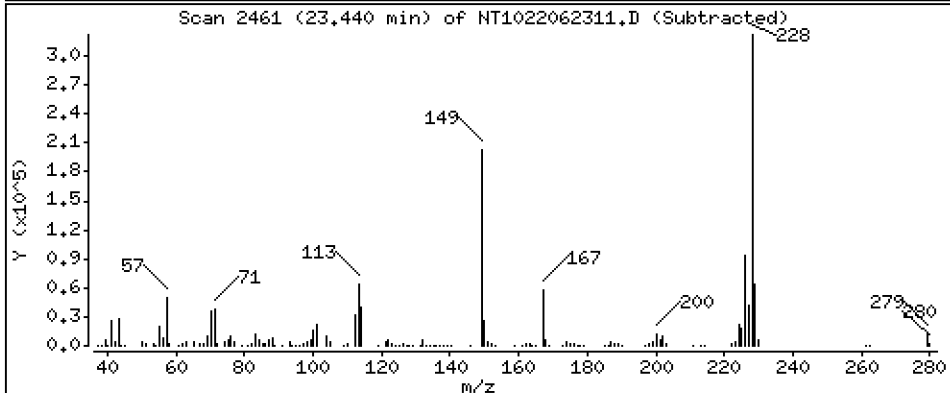
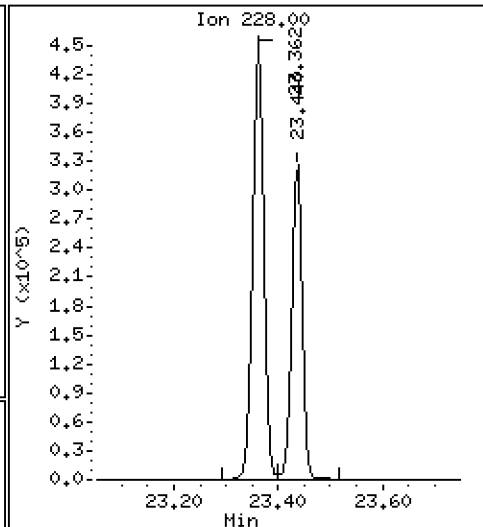
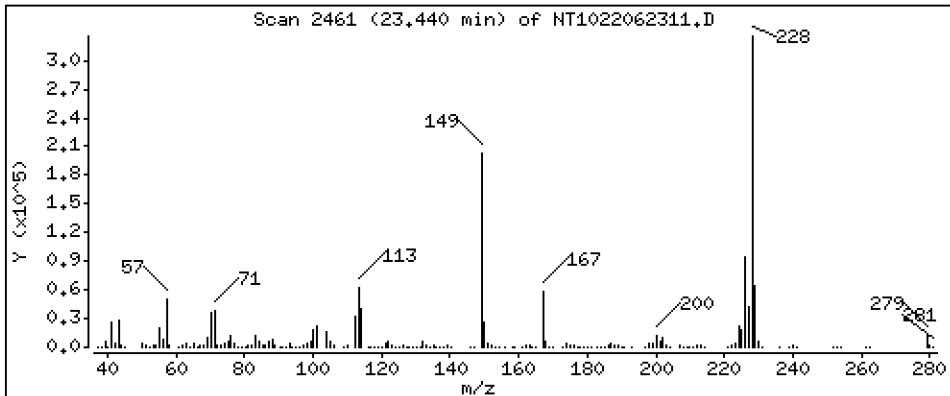
Operator: VTS

Column phase: ZB-5msi

Column diameter: 0,25

71 Chrysene

Concentration: 4,725 ug/mL



Date : 23-JUN-2022 15:20

Client ID:

Instrument: nt10.i

Sample Info: SKF0270-SCV1

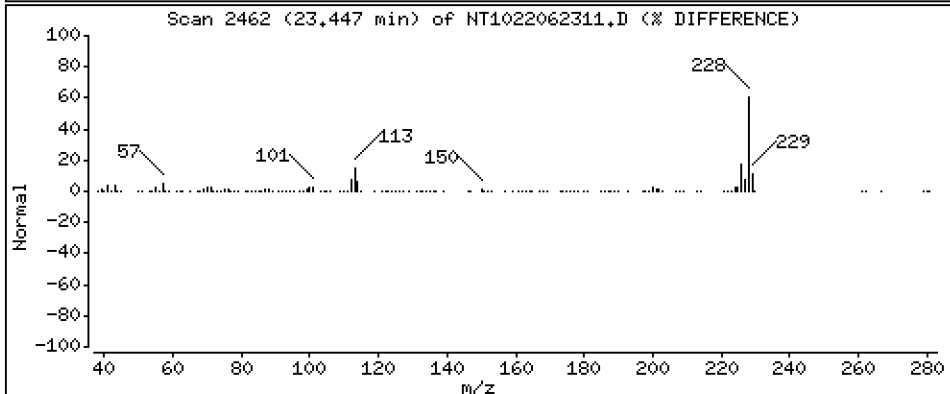
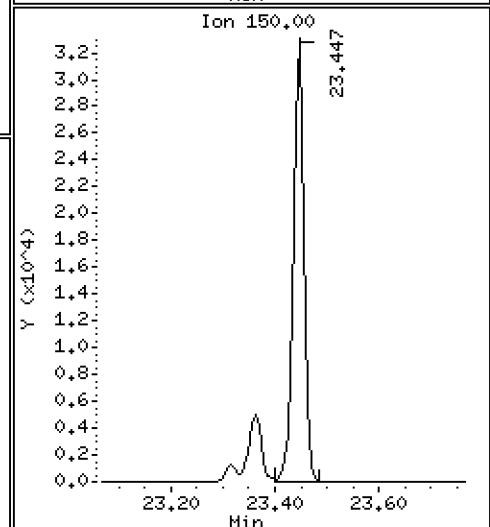
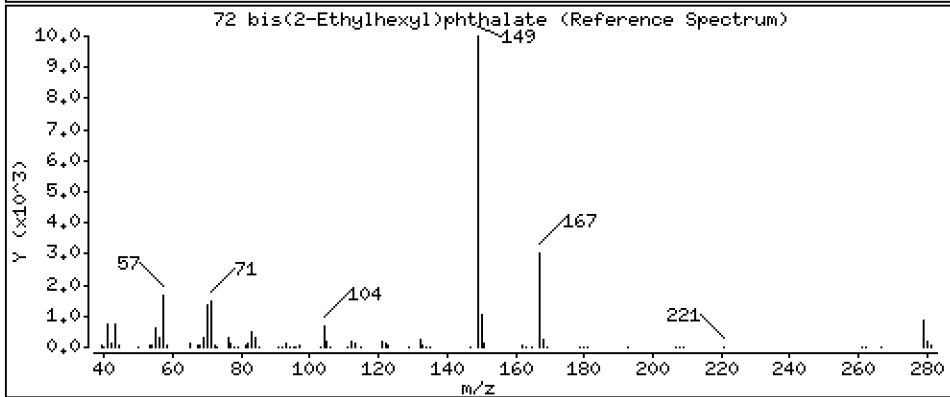
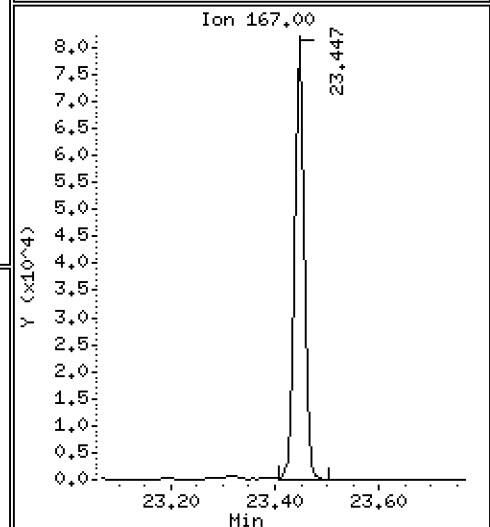
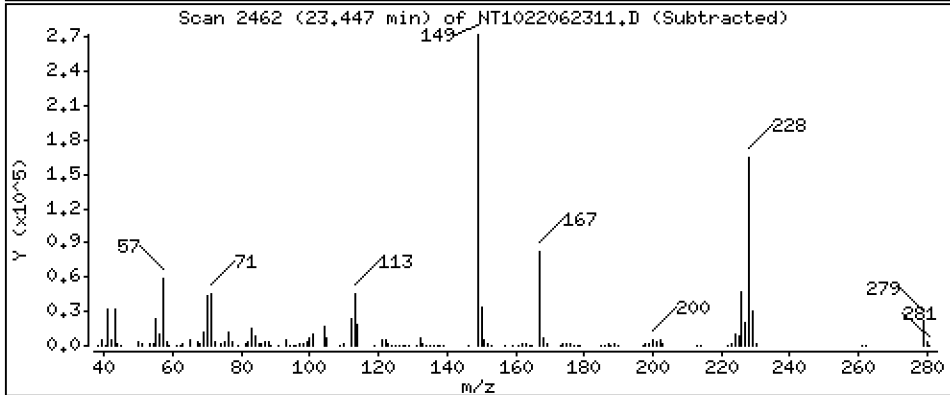
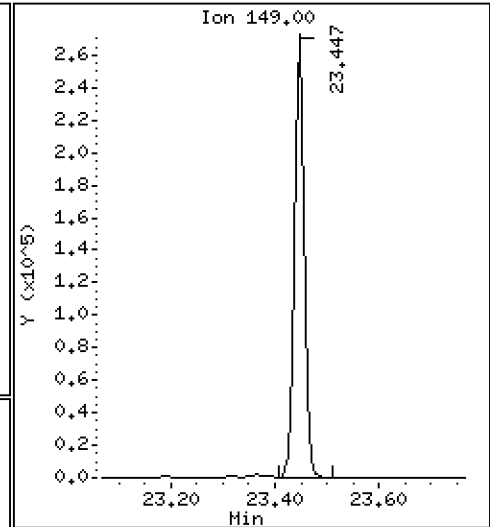
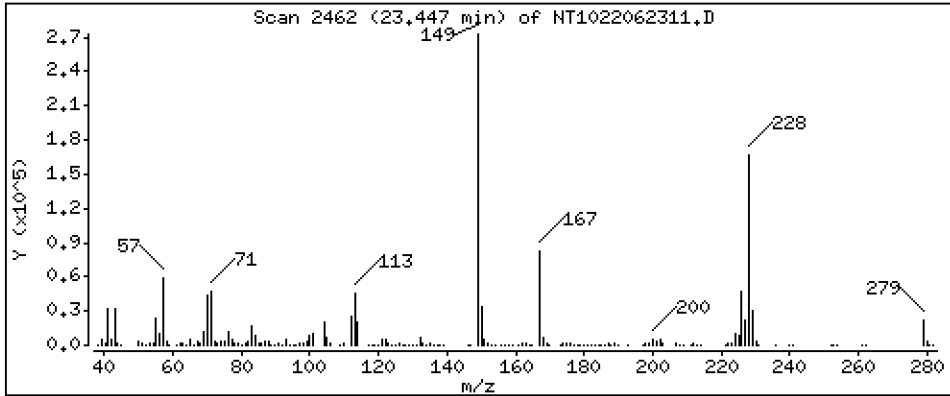
Operator: VTS

Column phase: ZB-5msi

Column diameter: 0,25

72 bis(2-Ethylhexyl)phthalate

Concentration: 5,061 ug/mL



Date : 23-JUN-2022 15:20

Client ID:

Instrument: nt10.i

Sample Info: SKF0270-SCV1

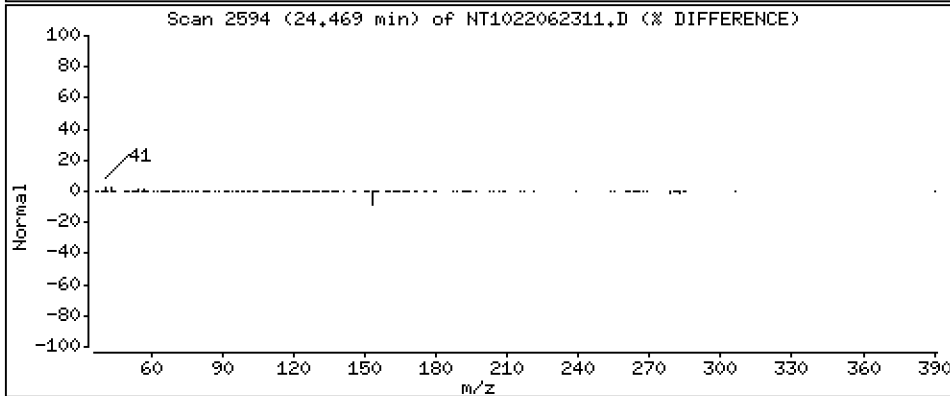
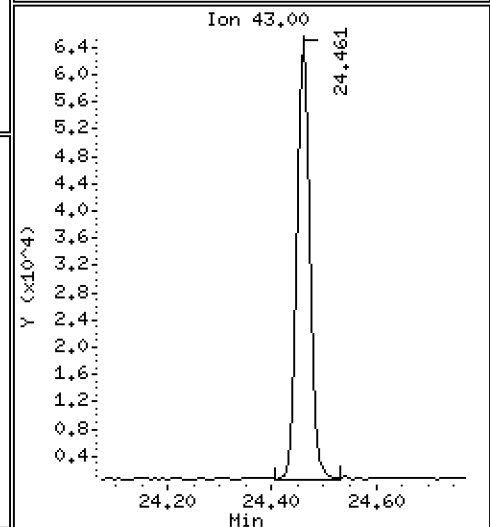
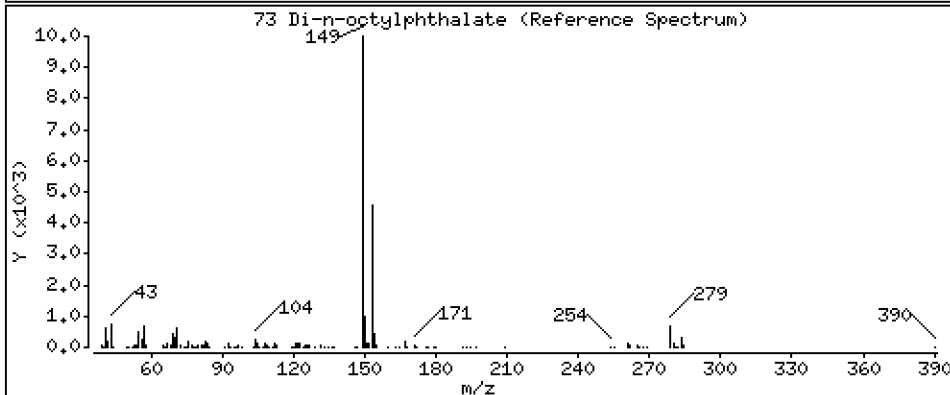
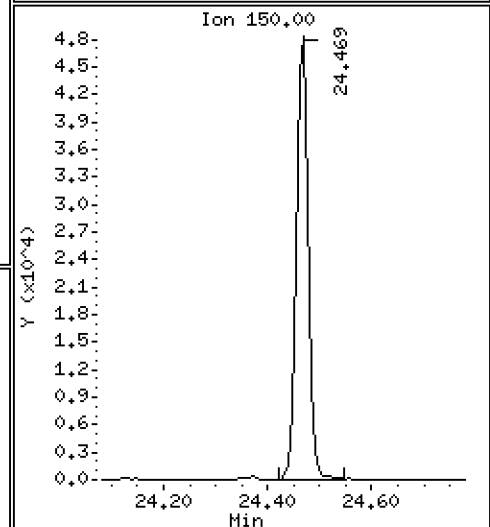
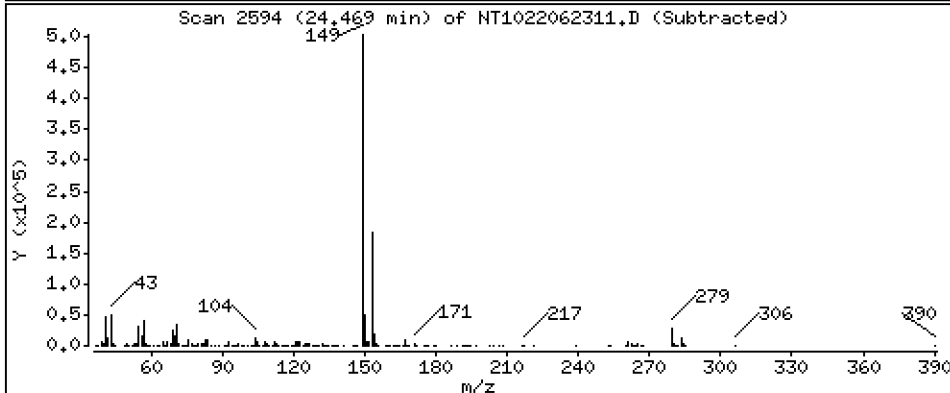
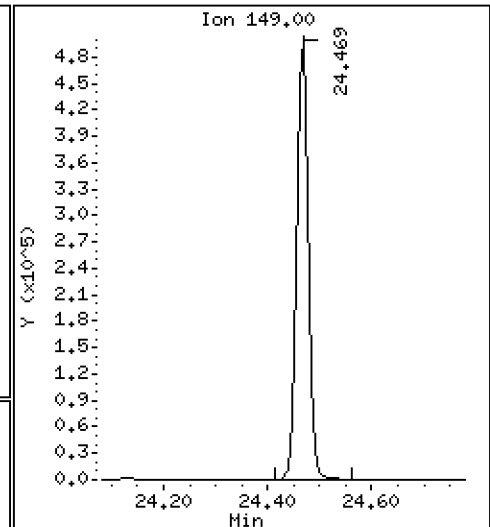
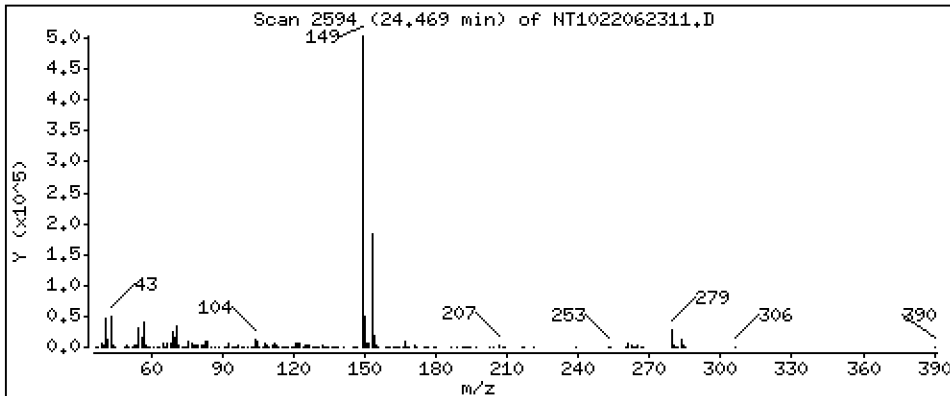
Operator: VTS

Column phase: ZB-5msi

Column diameter: 0,25

73 Di-n-octylphthalate

Concentration: 5,502 ug/mL



Date : 23-JUN-2022 15:20

Client ID:

Instrument: nt10.i

Sample Info: SKF0270-SCV1

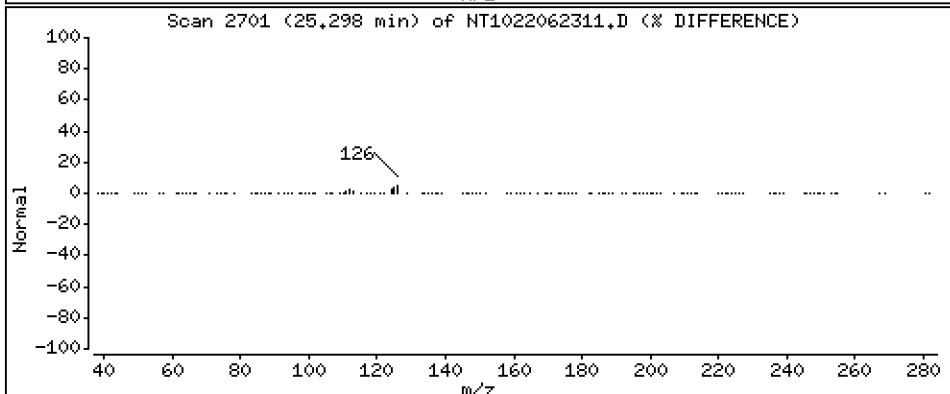
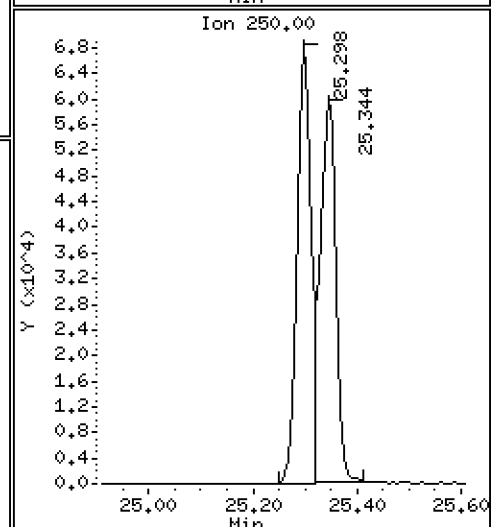
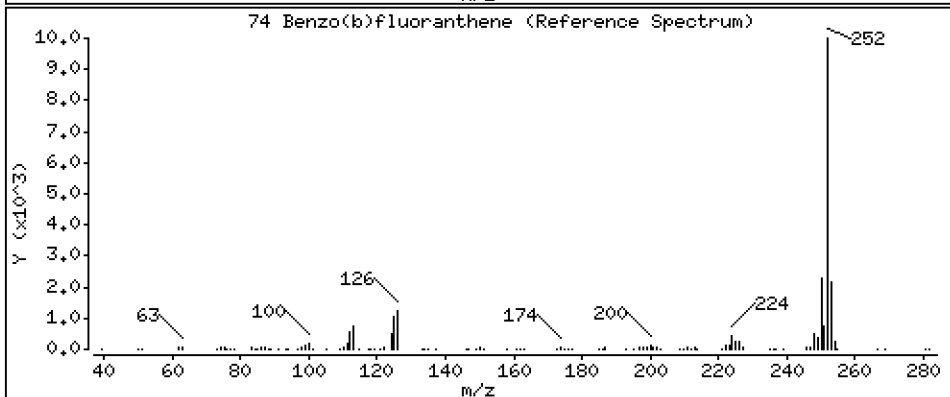
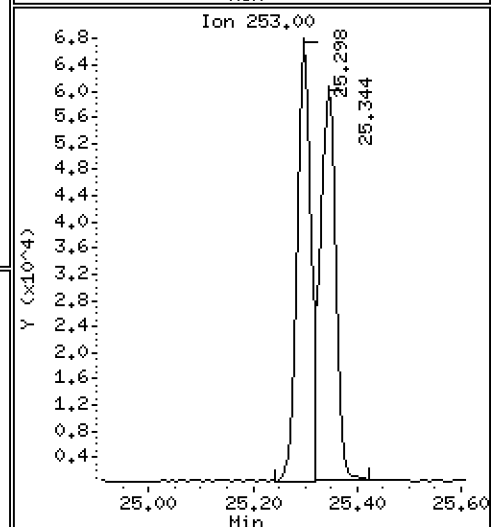
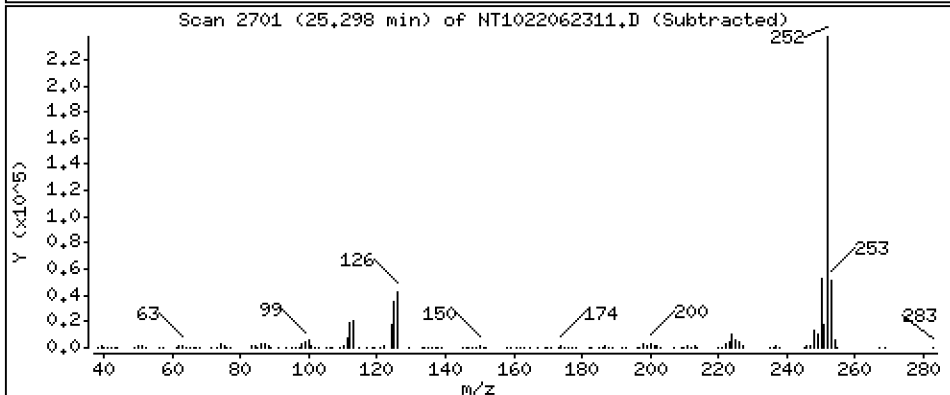
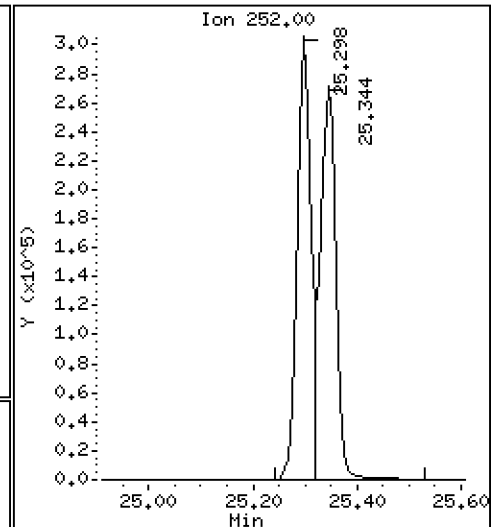
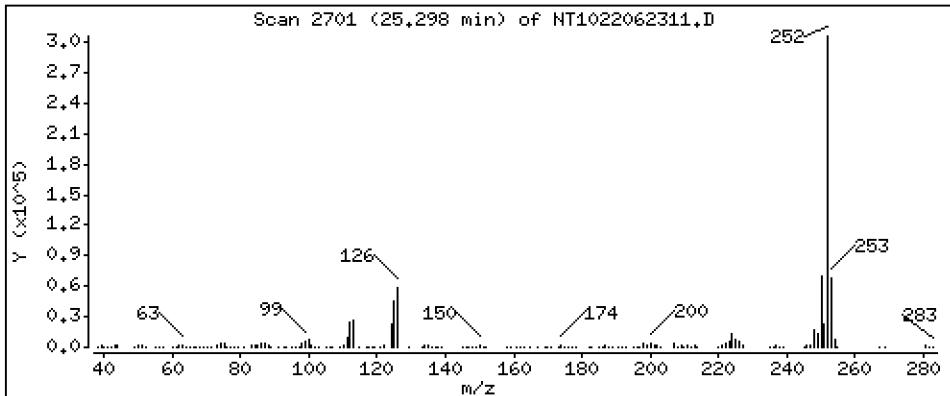
Operator: VTS

Column phase: ZB-5msi

Column diameter: 0,25

74 Benzo(b)fluoranthene

Concentration: 4,955 ug/mL



Date : 23-JUN-2022 15:20

Client ID:

Instrument: nt10.i

Sample Info: SKF0270-SCV1

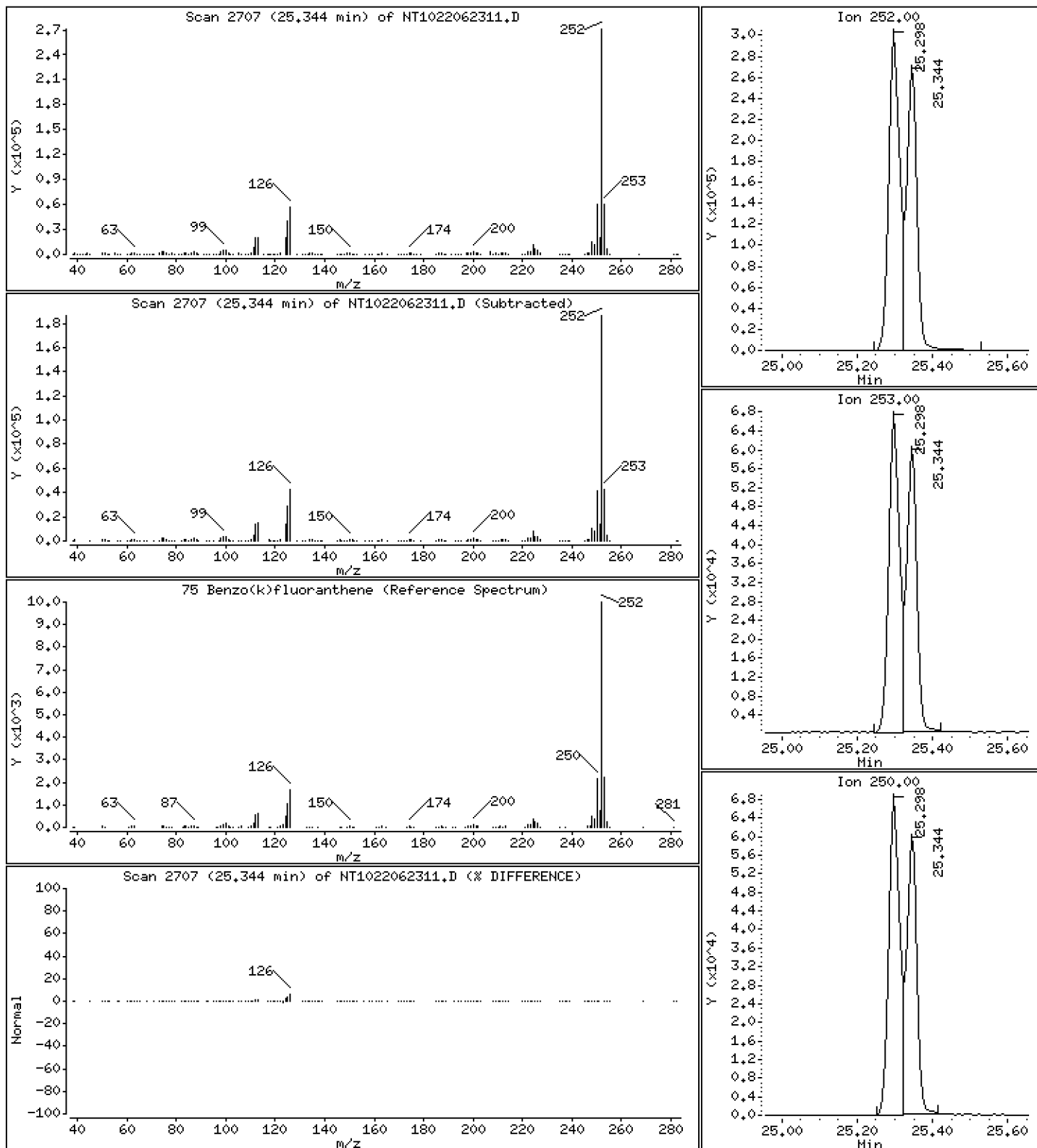
Operator: VTS

Column phase: ZB-5msi

Column diameter: 0,25

75 Benzo(k)fluoranthene

Concentration: 5,262 ug/mL



Date : 23-JUN-2022 15:20

Client ID:

Instrument: nt10.i

Sample Info: SKF0270-SCV1

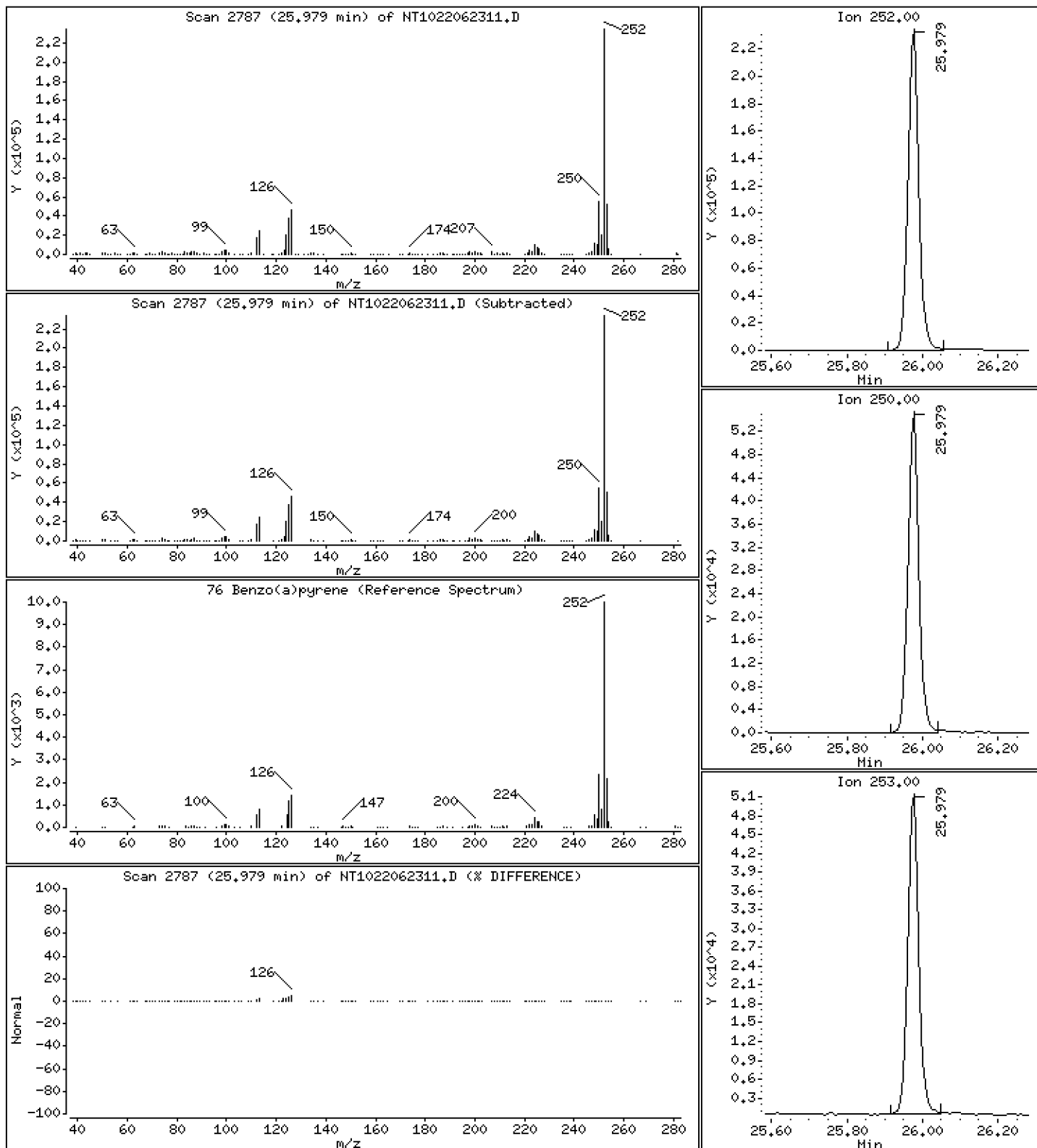
Operator: VTS

Column phase: ZB-5msi

Column diameter: 0,25

76 Benzo(a)pyrene

Concentration: 4,900 ug/mL



Date : 23-JUN-2022 15:20

Client ID:

Instrument: nt10.i

Sample Info: SKF0270-SCV1

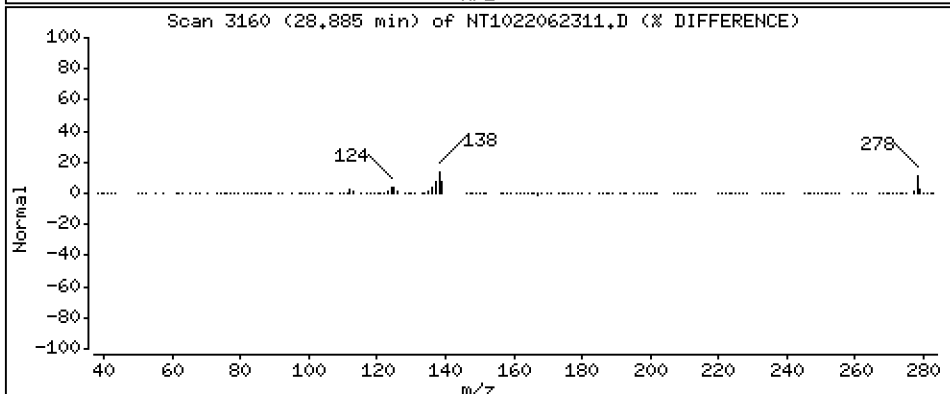
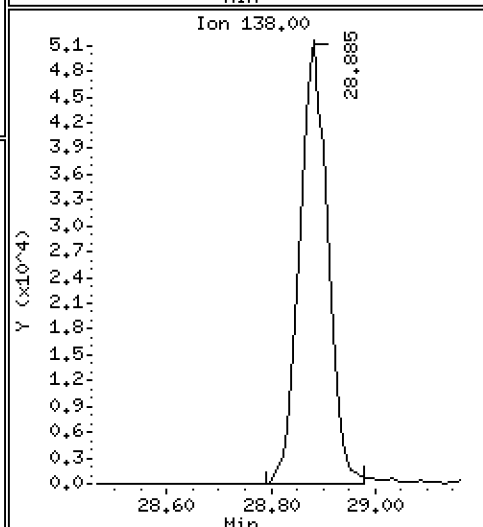
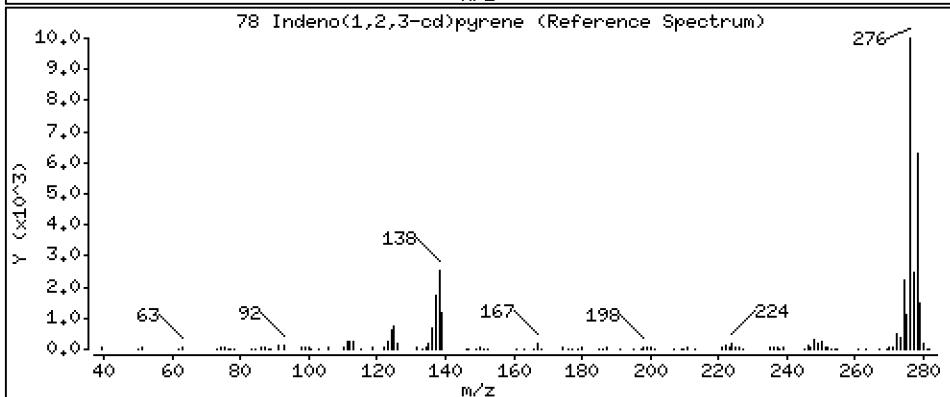
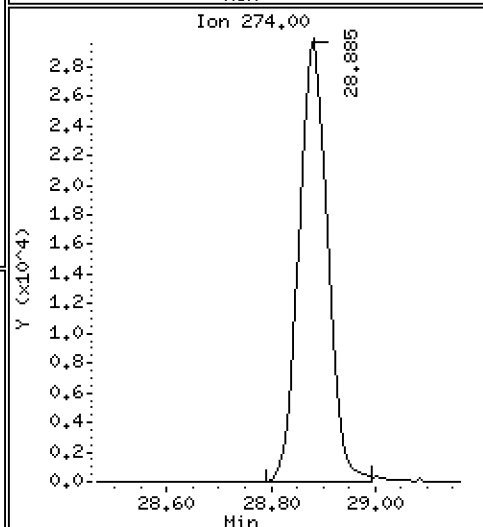
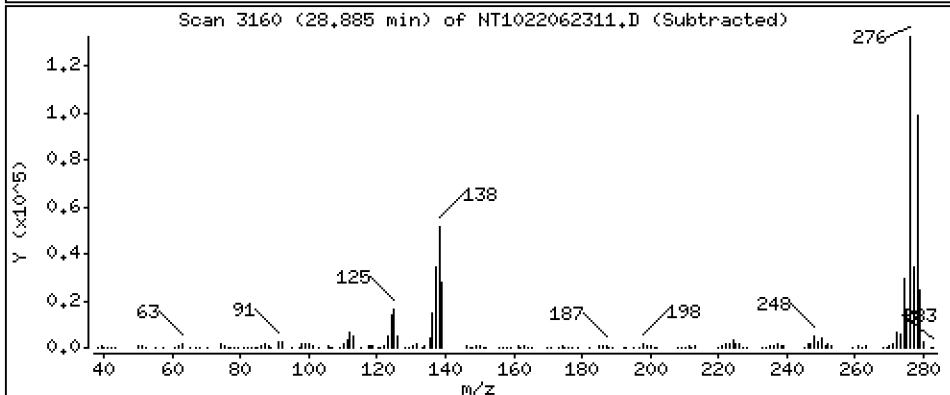
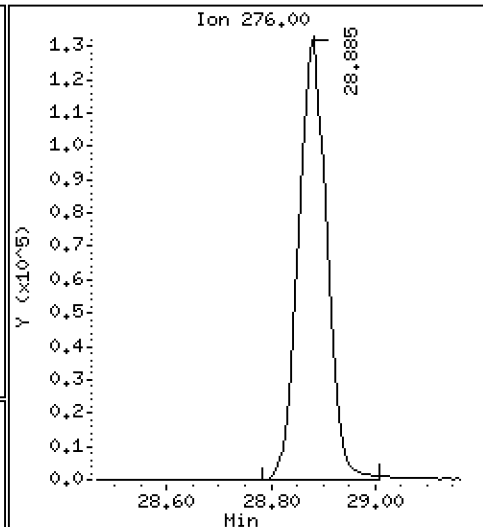
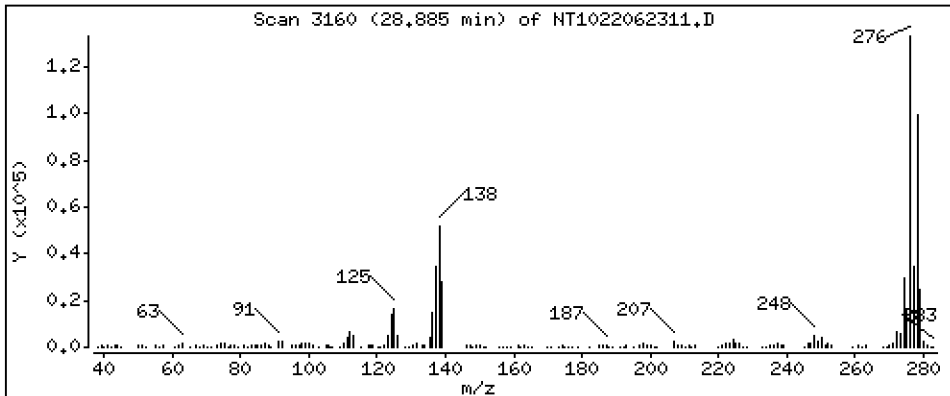
Operator: VTS

Column phase: ZB-5msi

Column diameter: 0,25

78 Indeno(1,2,3-cd)pyrene

Concentration: 4,763 ug/mL



Date : 23-JUN-2022 15:20

Client ID:

Instrument: nt10.i

Sample Info: SKF0270-SCV1

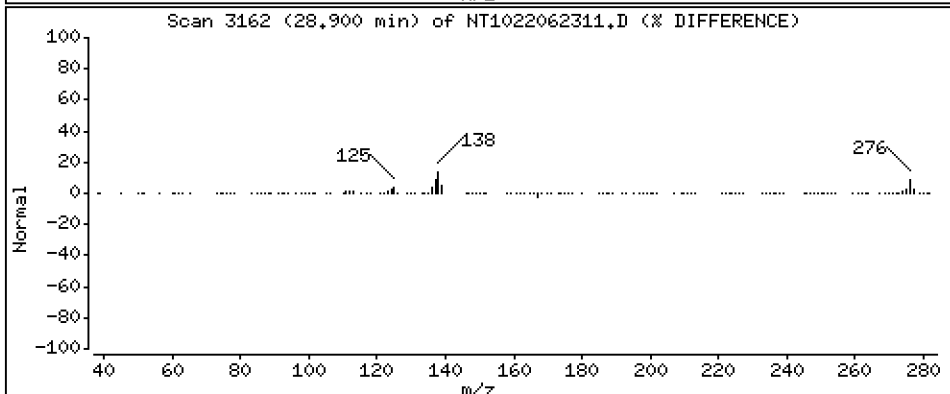
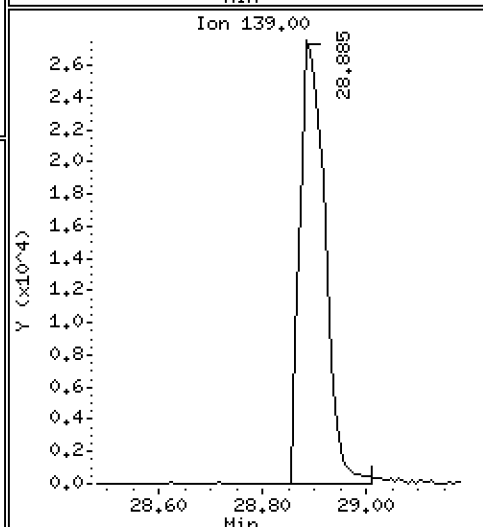
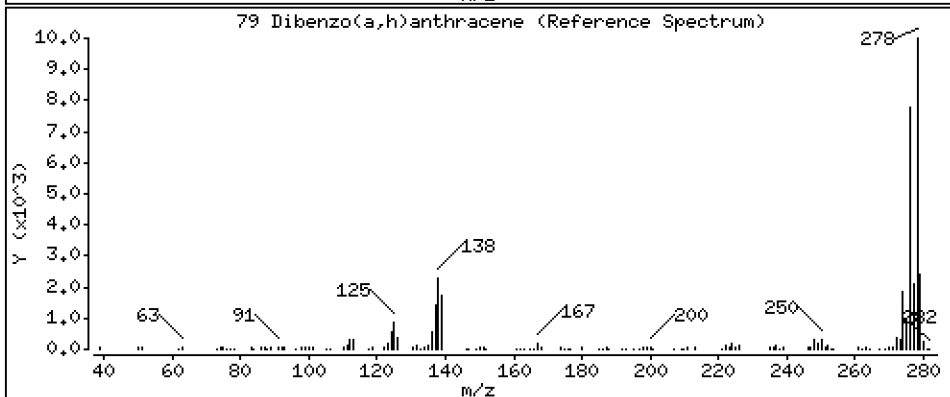
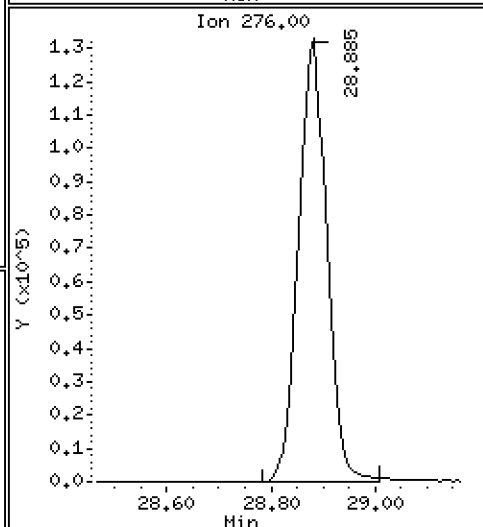
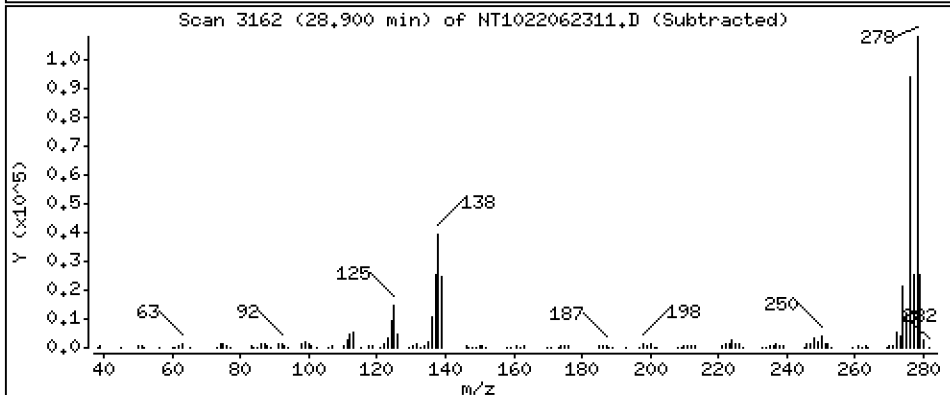
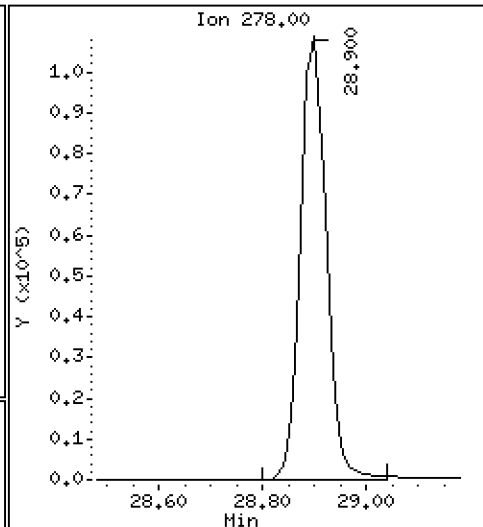
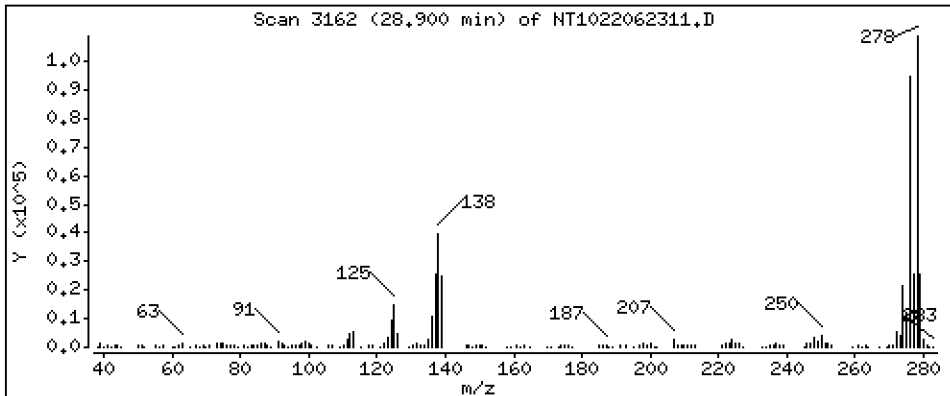
Operator: VTS

Column phase: ZB-5msi

Column diameter: 0,25

79 Dibenzo(a,h)anthracene

Concentration: 4,675 ug/mL



Date : 23-JUN-2022 15:20

Client ID:

Instrument: nt10.i

Sample Info: SKF0270-SCV1

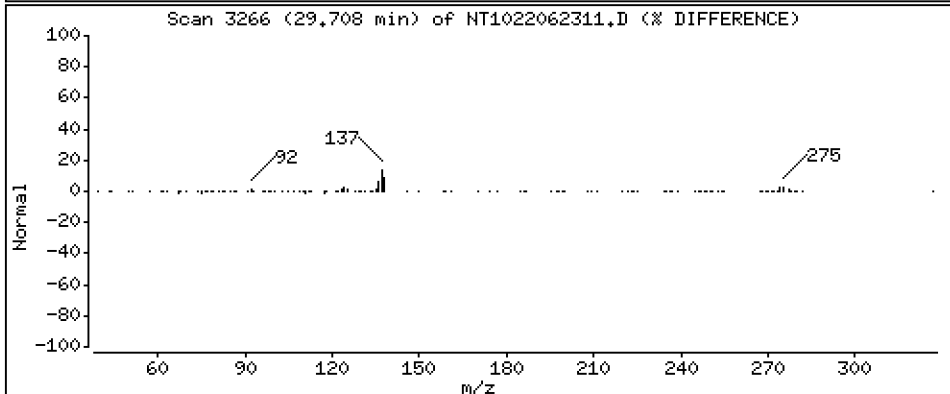
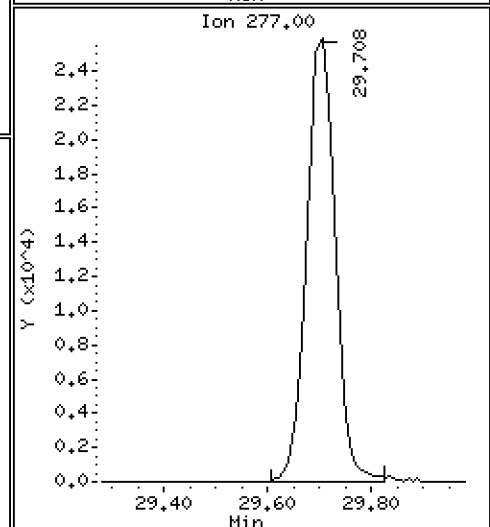
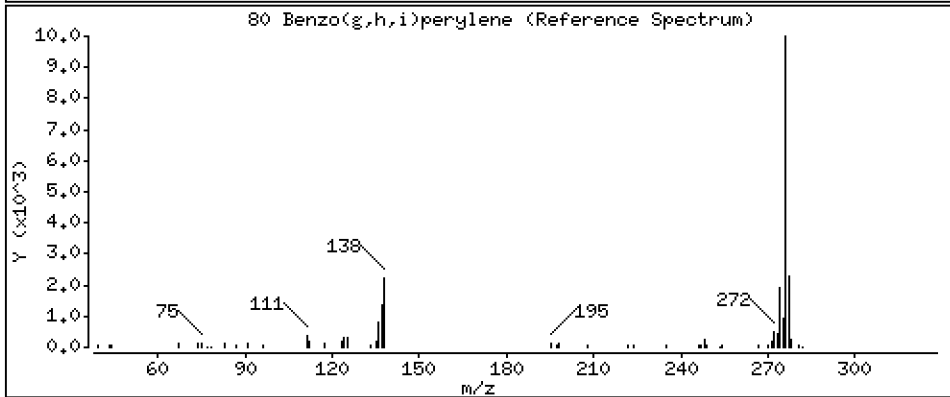
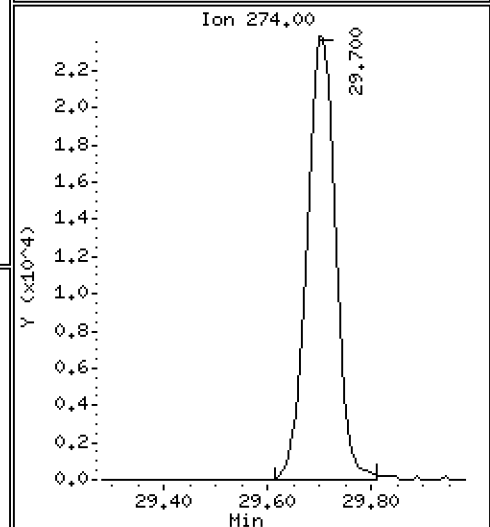
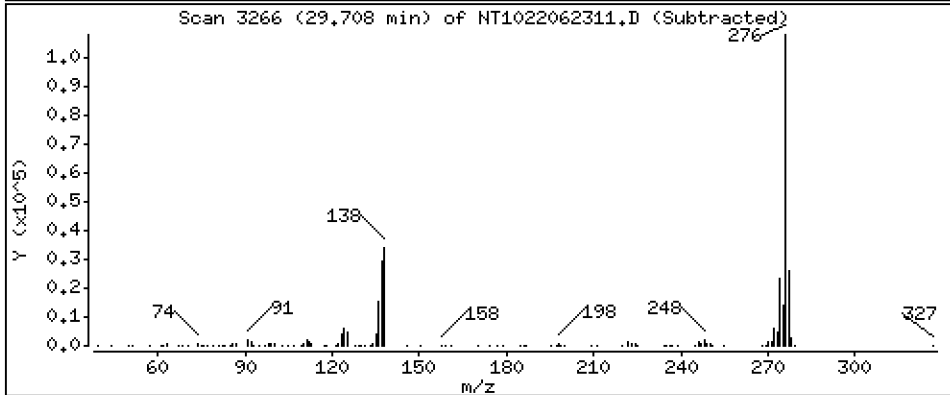
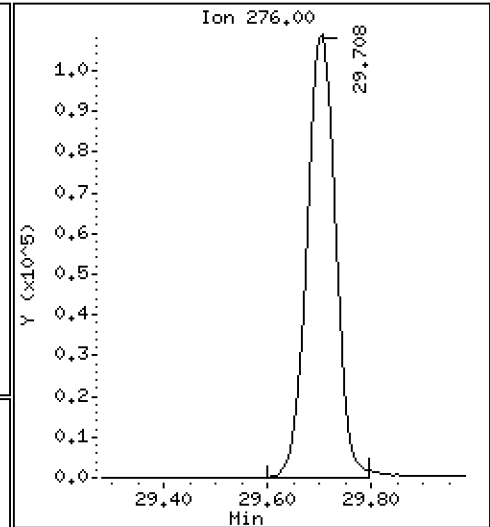
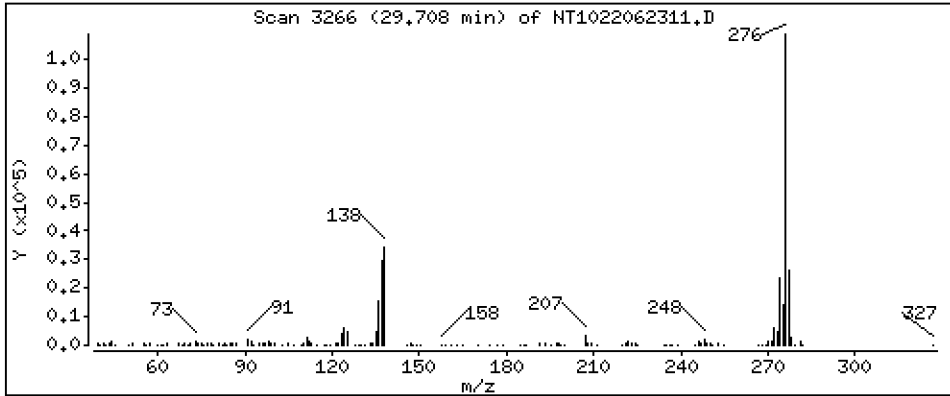
Operator: VTS

Column phase: ZB-5msi

Column diameter: 0,25

80 Benzo(g,h,i)perylene

Concentration: 4,912 ug/mL



Date : 23-JUN-2022 15:20

Client ID:

Instrument: nt10.i

Sample Info: SKF0270-SCV1

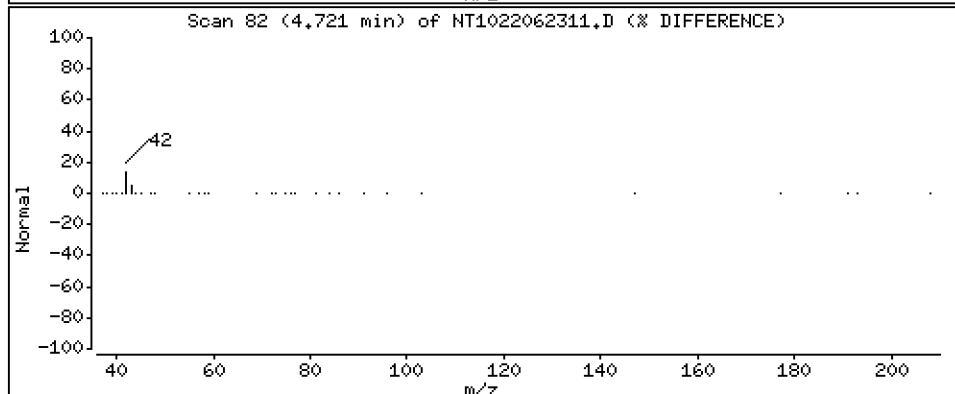
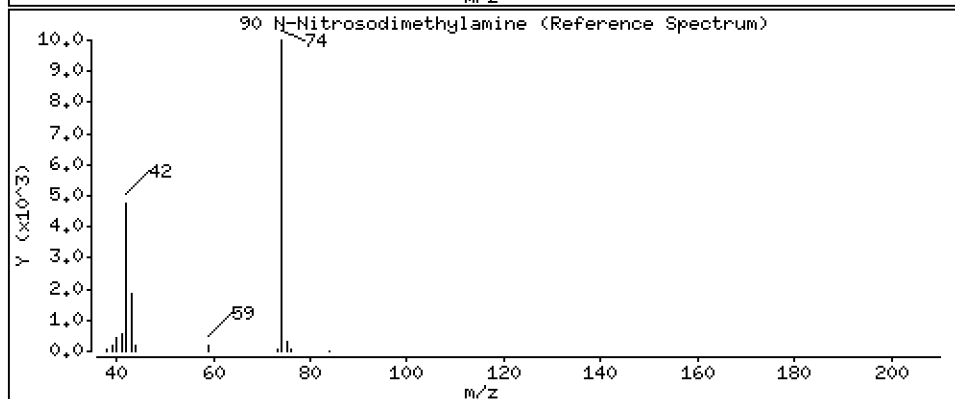
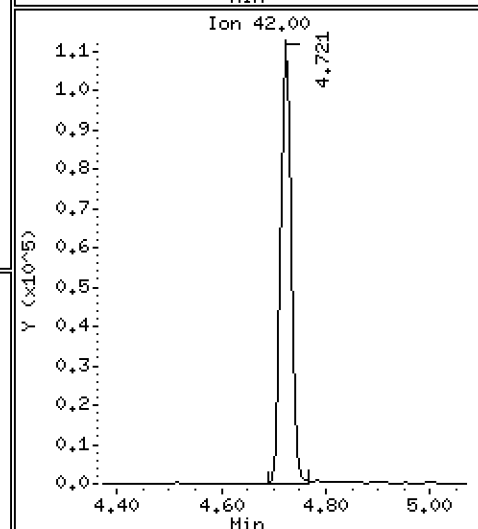
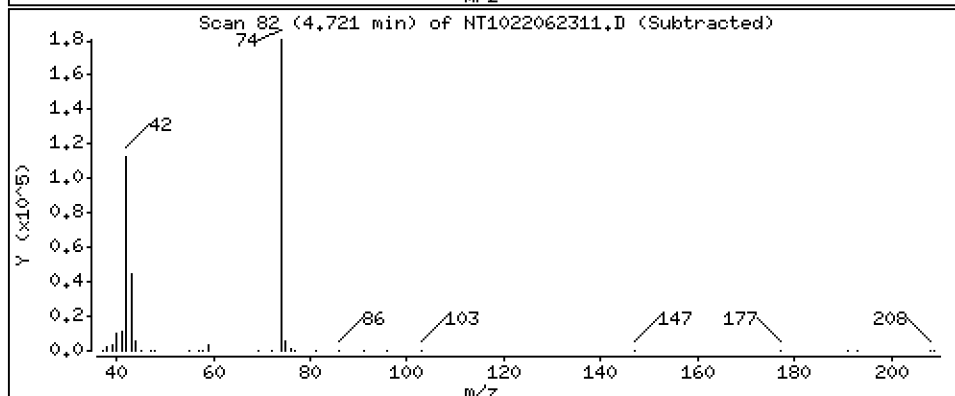
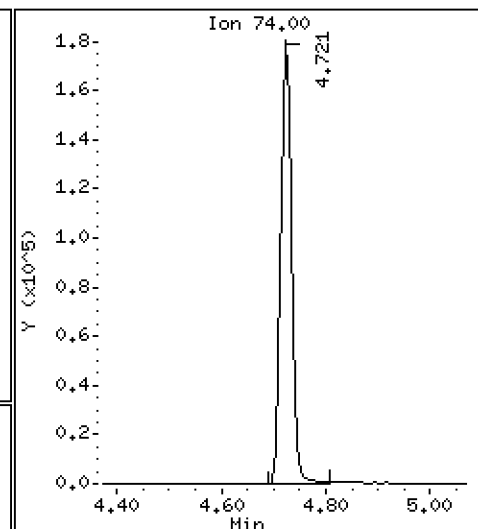
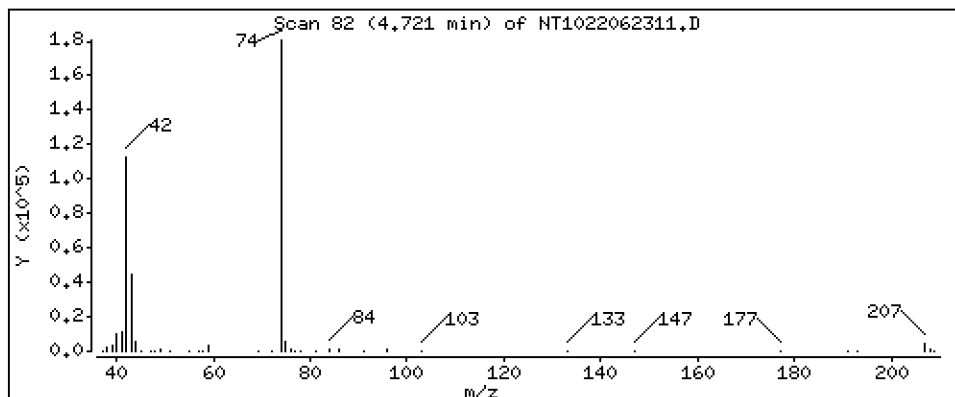
Operator: VTS

Column phase: ZB-5msi

Column diameter: 0,25

90 N-Nitrosodimethylamine

Concentration: 6,686 ug/mL



Date : 23-JUN-2022 15:20

Client ID:

Instrument: nt10.i

Sample Info: SKF0270-SCV1

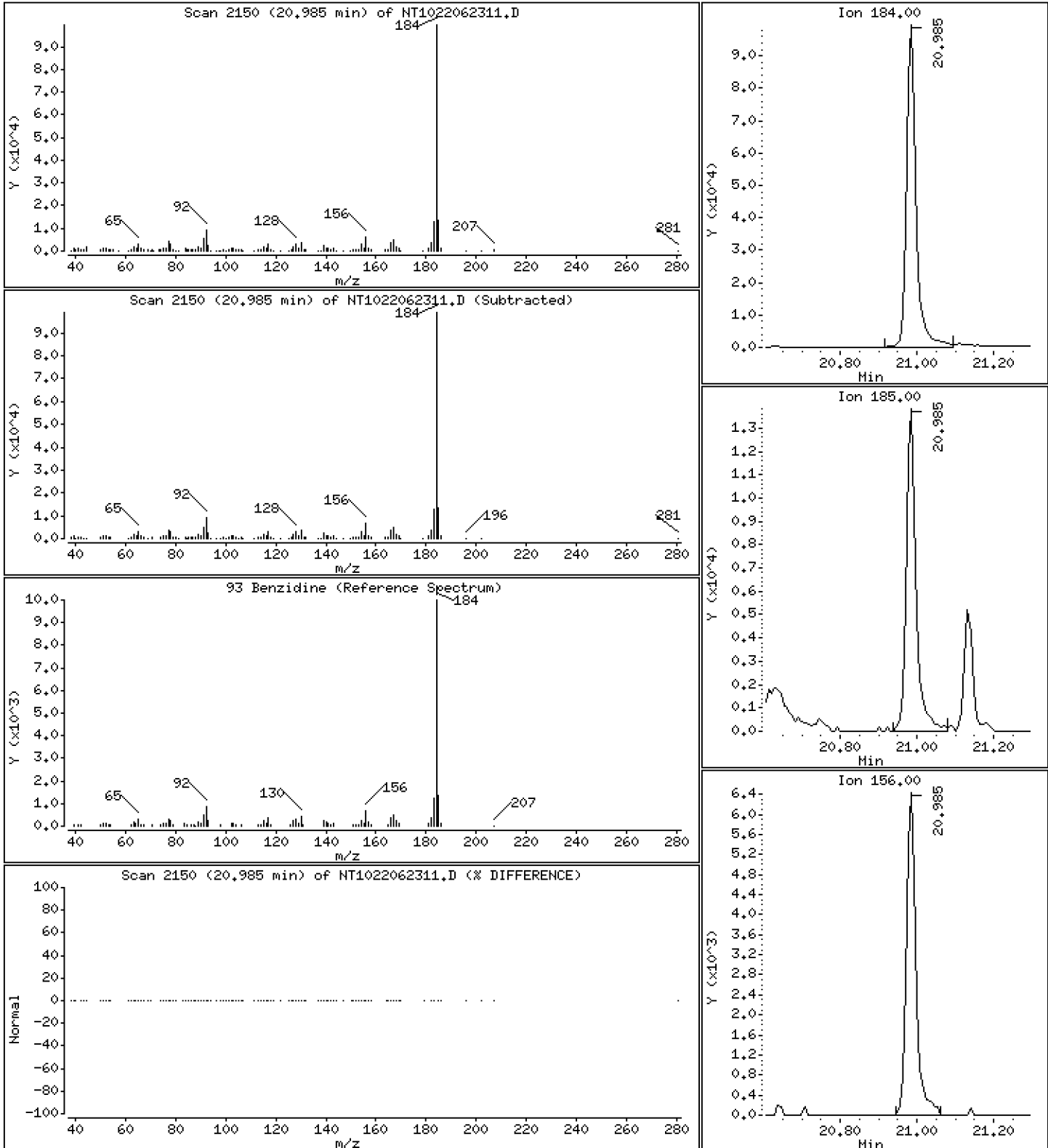
Operator: VTS

Column phase: ZB-5msi

Column diameter: 0,25

93 Benzidine

Concentration: 3,485 ug/mL



Date : 23-JUN-2022 15:20

Client ID:

Instrument: nt10.i

Sample Info: SKF0270-SCV1

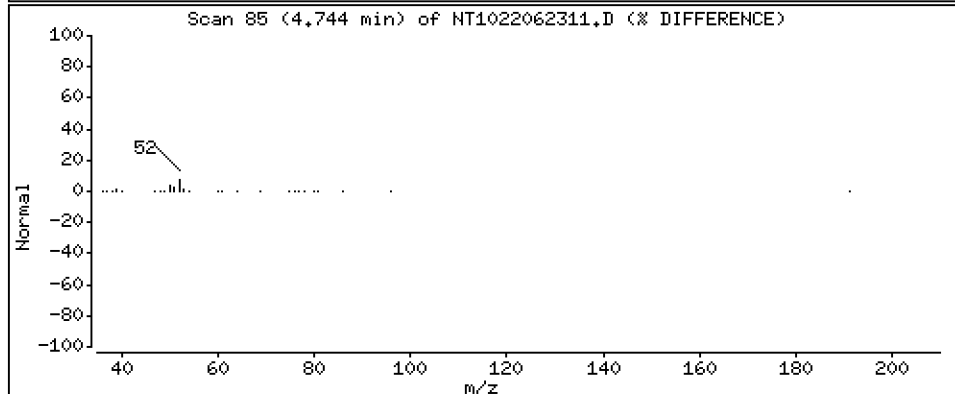
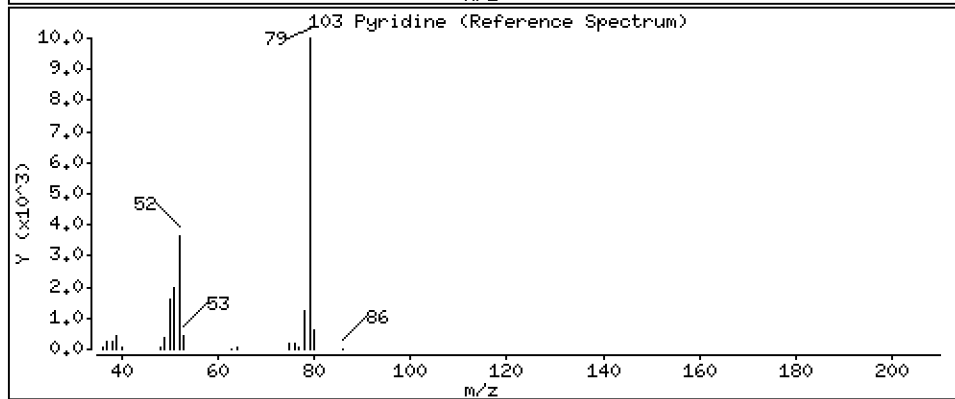
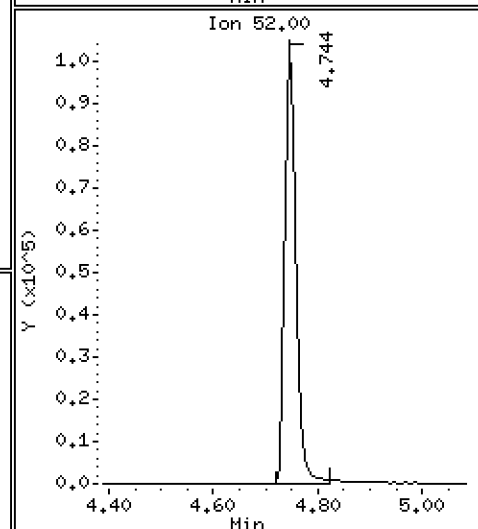
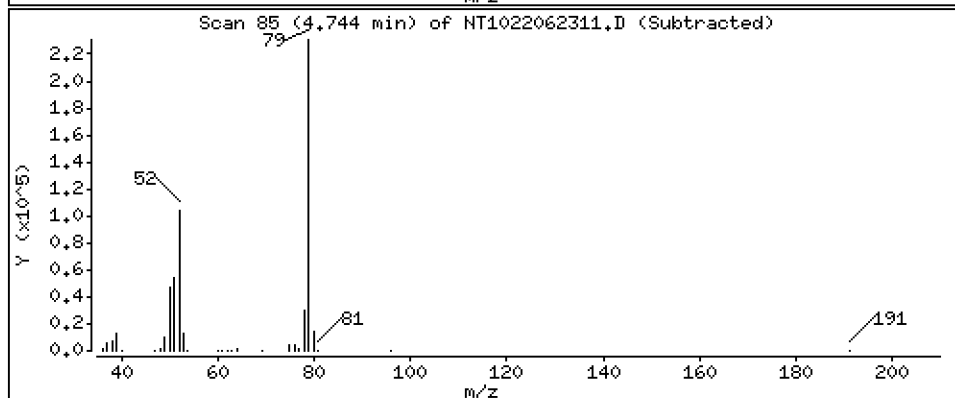
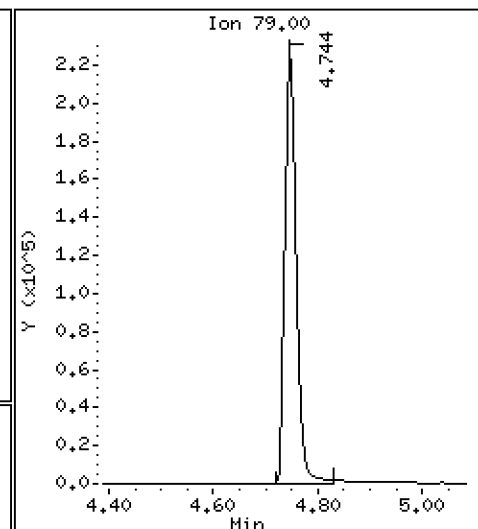
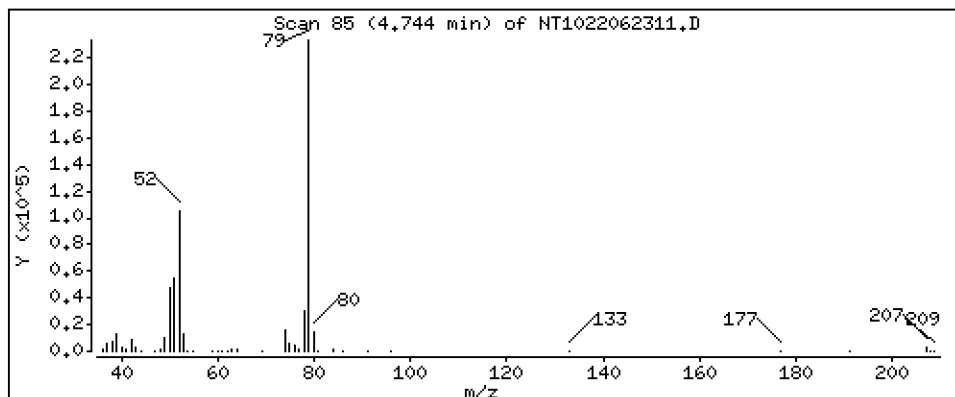
Operator: VTS

Column phase: ZB-5msi

Column diameter: 0,25

103 Pyridine

Concentration: 3,149 ug/mL



Date : 23-JUN-2022 15:20

Client ID:

Instrument: nt10.i

Sample Info: SKF0270-SCV1

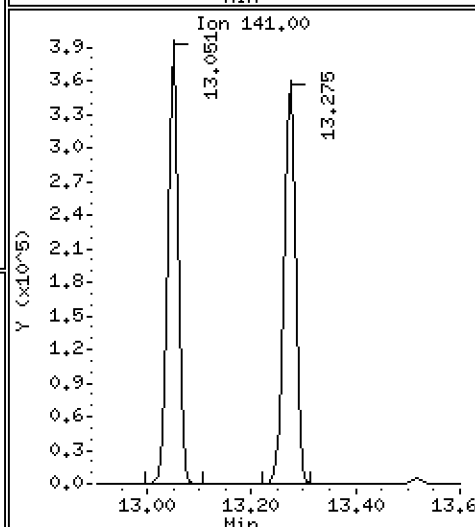
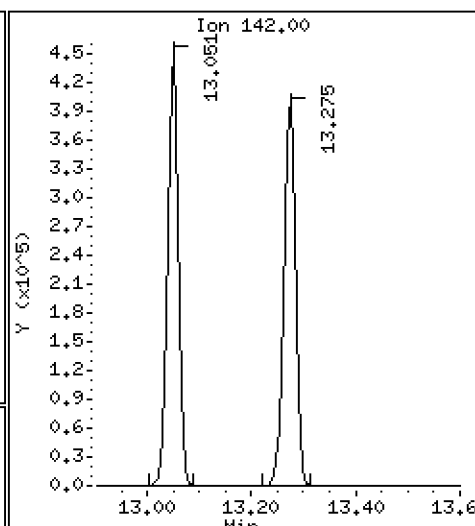
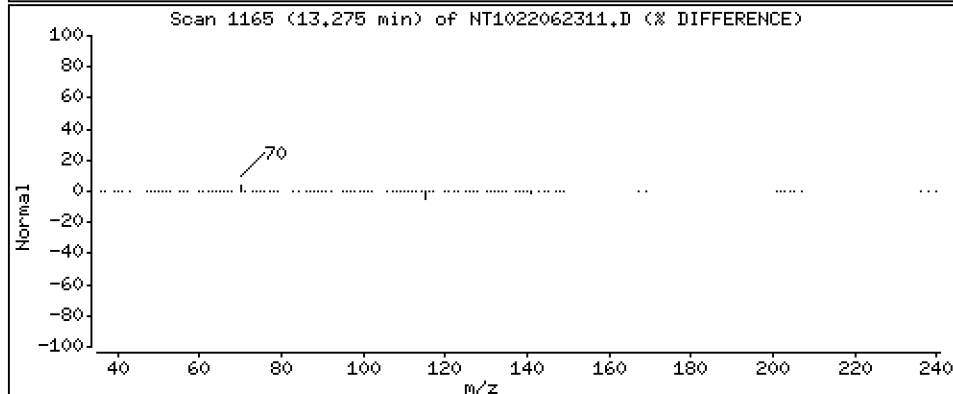
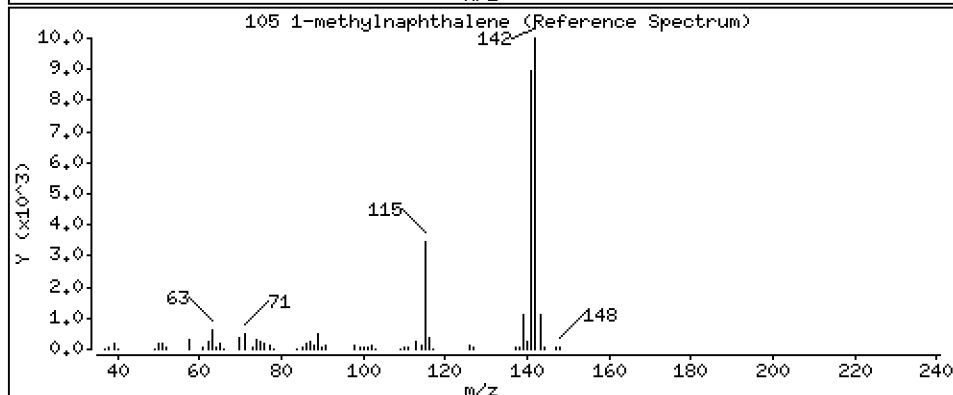
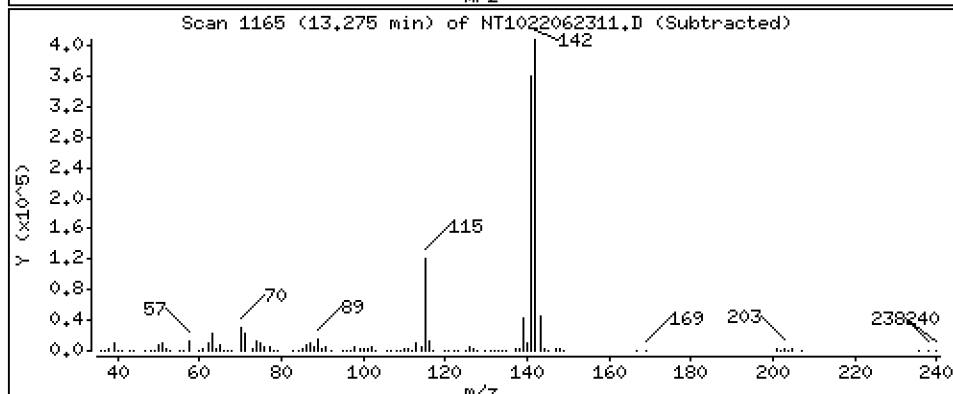
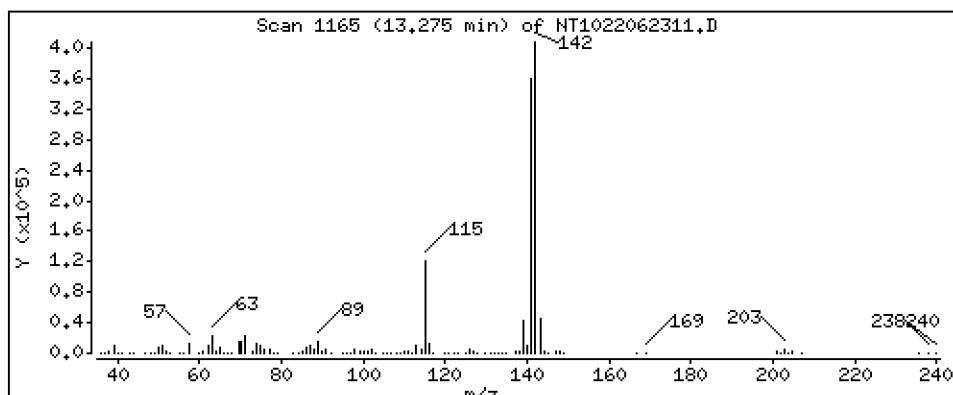
Operator: VTS

Column phase: ZB-5msi

Column diameter: 0,25

105 1-methylnaphthalene

Concentration: 5,162 ug/mL



Date : 23-JUN-2022 15:20

Client ID:

Instrument: nt10.i

Sample Info: SKF0270-SCV1

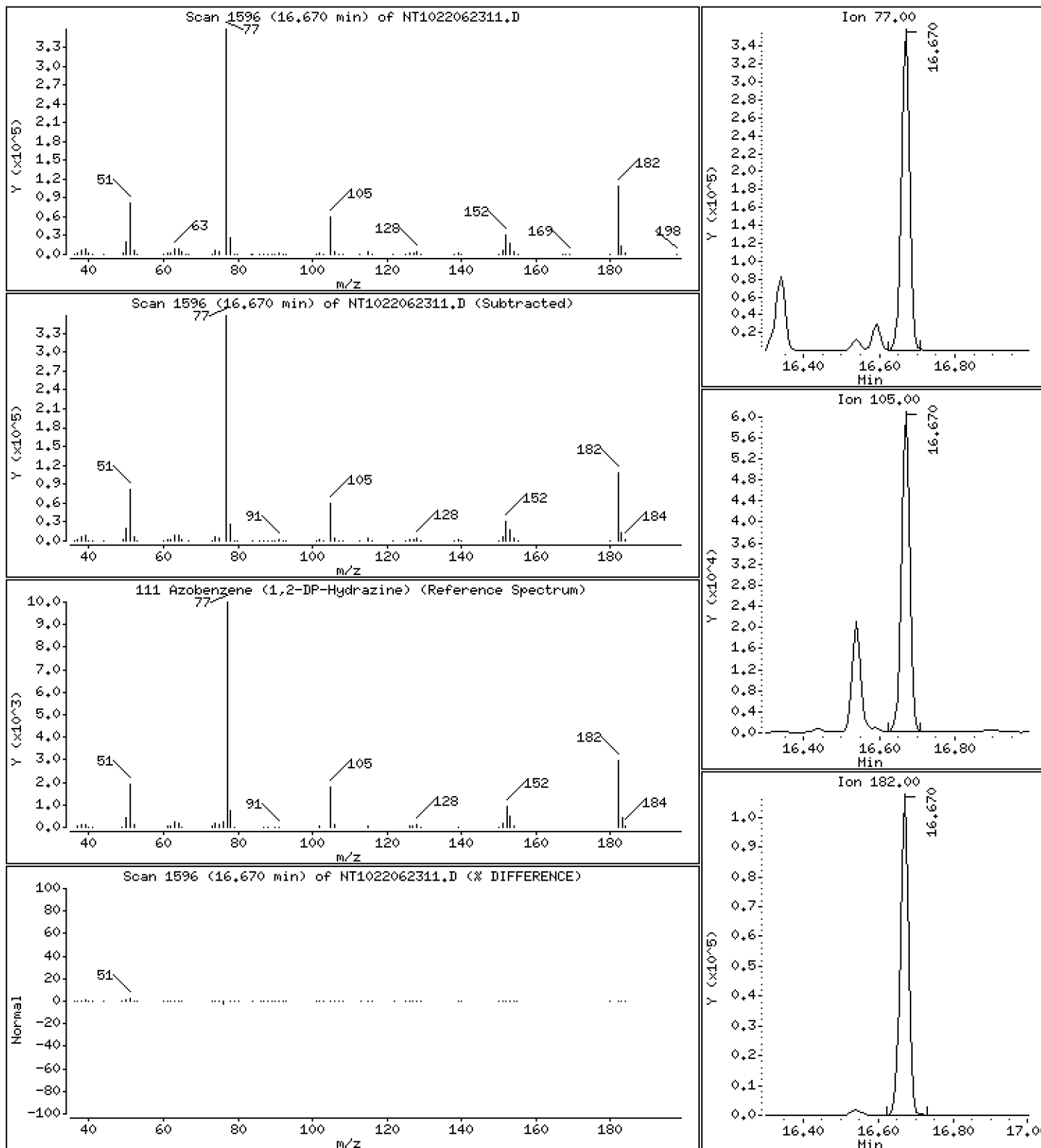
Operator: VTS

Column phase: ZB-5msi

Column diameter: 0.25

111 Azobenzene (1,2-DP-Hydrazine)

Concentration: 4.882 ug/mL



Date : 23-JUN-2022 15:20

Client ID:

Instrument: nt10.i

Sample Info: SKF0270-SCV1

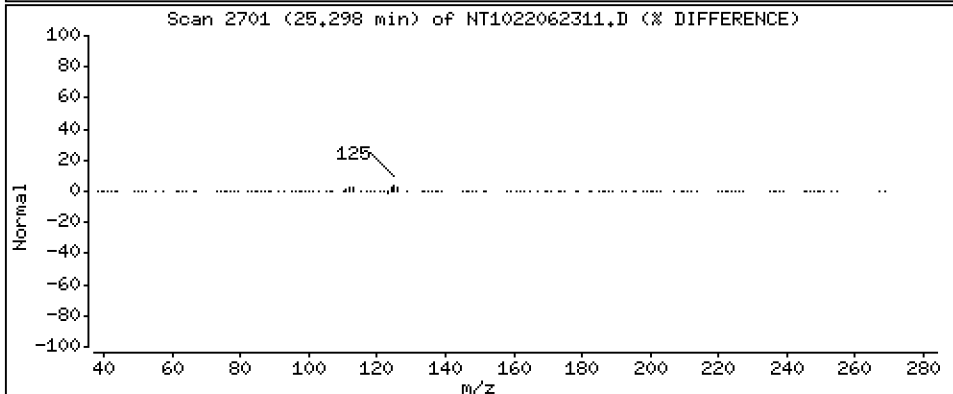
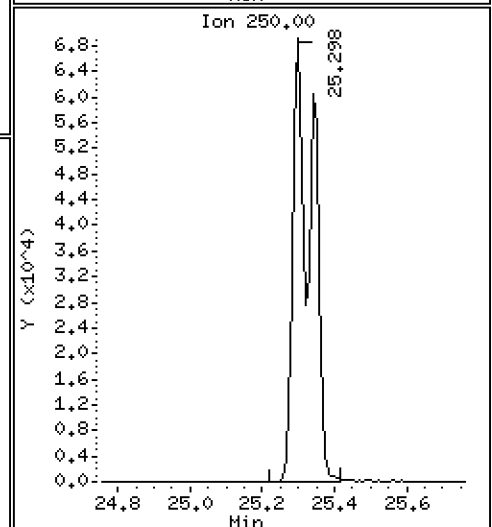
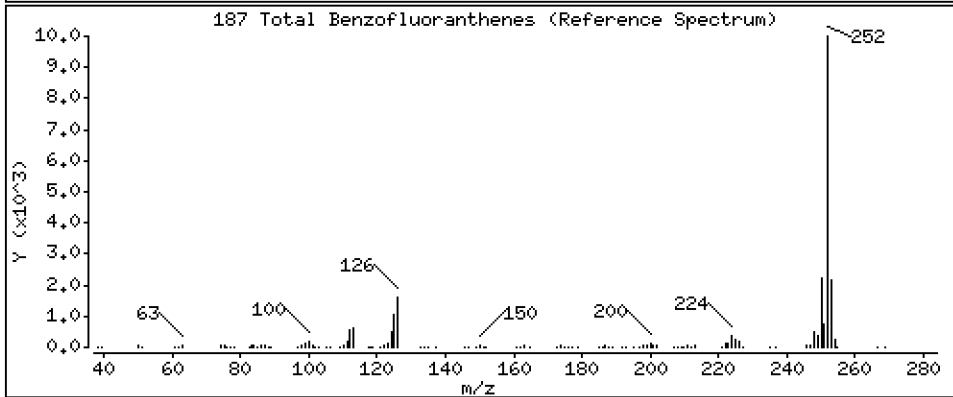
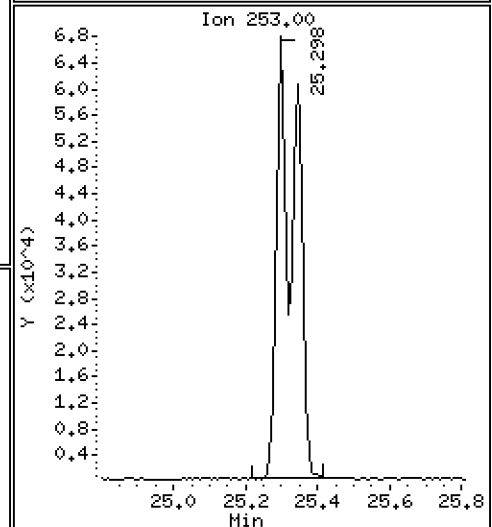
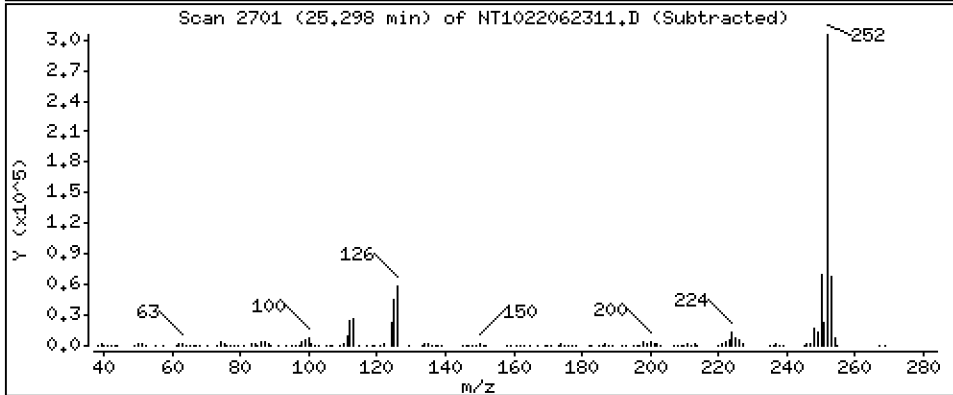
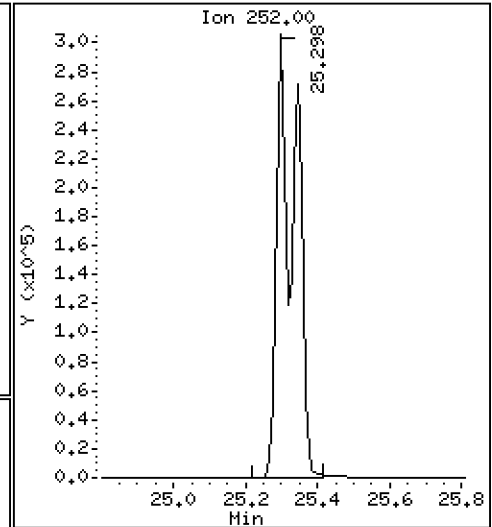
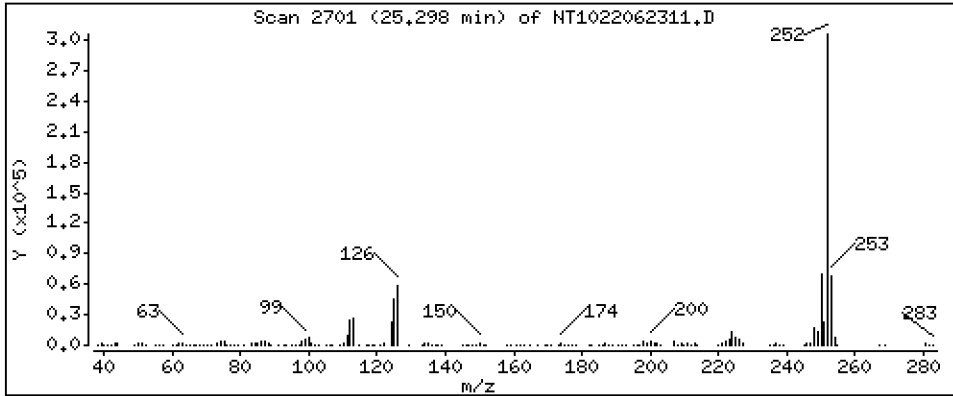
Operator: VTS

Column phase: ZB-5msi

Column diameter: 0,25

187 Total Benzofluoranthenes

Concentration: 9,832 ug/mL



Date : 23-JUN-2022 15:20

Client ID:

Instrument: nt10.i

Sample Info: SKF0270-SCV1

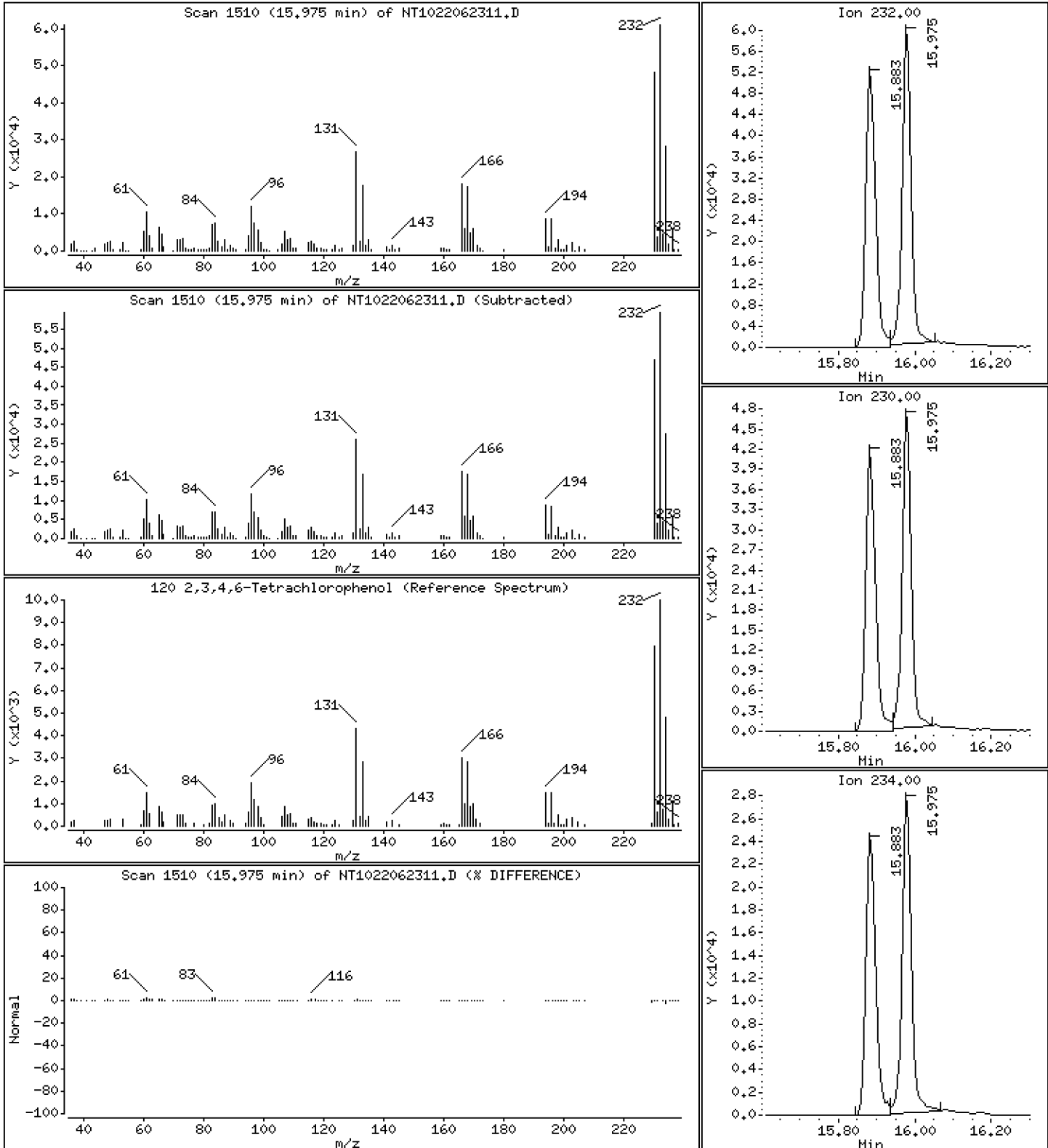
Operator: VTS

Column phase: ZB-5msi

Column diameter: 0,25

120 2,3,4,6-Tetrachlorophenol

Concentration: 4,000 ug/mL



ARI Labs, Inc.

Semivolatile Report SW846 Method 8270D

Data file : \\target\share\chem3\nt10.i\20220623.b\NT1022062311.D
 Lab Smp Id: SKF0270-SCV1
 Inj Date : 23-JUN-2022 15:20
 Operator : VTS
 Smp Info : SKF0270-SCV1
 Misc Info :
 Comment : 1ul Injection
 Method : \\target\share\chem3\nt10.i\20220623.b\ABN.m
 Meth Date : 24-Jun-2022 08:38 yev
 Cal Date : 23-JUN-2022 13:07
 Als bottle: 11
 Dil Factor: 1.00000
 Integrator: HP RTE
 Target Version: 4.14
 Processing Host: ORGDATA102

Inst ID: nt10.i

Quant Type: ISTD
 Cal File: NT1022062308.D

Compound Sublist: ICAL.sub

Compounds	QUANT	SIG	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS	
							ON-COLUMN	FINAL
	MASS						(ug/mL)	(ug/mL)
\$ 1 2-Fluorophenol	112		6.898	6.891	(0.757)	447953	8.01867	8.019
\$ 2 Phenol-d5	99		8.482	8.475	(0.930)	653204	7.88040	7.880
3 Phenol	94		8.506	8.498	(0.933)	370864	5.13458	5.135
\$ 5 2-Chlorophenol-d4	132		8.753	8.745	(0.960)	431694	7.58399	7.584
4 Bis(2-Chloroethyl)ether	93		8.660	8.645	(0.950)	301080	5.79201	5.792
6 2-Chlorophenol	128		8.784	8.776	(0.963)	299371	5.19893	5.199
7 1,3-Dichlorobenzene	146		9.055	9.039	(0.993)	312260	5.01369	5.014
* 8 1,4-Dichlorobenzene-d4	152		9.117	9.101	(1.000)	152987	4.00000	
9 1,4-Dichlorobenzene	146		9.148	9.132	(1.003)	260034	5.29668	5.297
\$ 10 1,2-Dichlorobenzene-d4	152		9.474	9.466	(1.039)	174442	4.97336	4.973
12 1,2-Dichlorobenzene	146		9.505	9.489	(1.043)	265143	5.08744	5.087
11 Benzyl alcohol	108		9.380	9.373	(1.029)	157701	5.48088	5.481
14 2,2'-oxybis(1-Chloropropane)	121		9.683	9.676	(1.062)	87054	7.06310	7.063
13 2-Methylphenol	108		9.613	9.606	(1.054)	197804	4.44171	4.442
17 Hexachloroethane	117		10.095	10.079	(1.107)	115905	5.29620	5.296
16 N-Nitroso-di-n-propylamine	70		9.939	9.924	(1.090)	158444	5.11579	5.116
15 4-Methylphenol	108		9.893	9.877	(1.085)	218560	4.59234	4.592
\$ 18 Nitrobenzene-d5	82		10.203	10.196	(0.879)	266032	4.94671	4.947
19 Nitrobenzene	77		10.242	10.227	(0.883)	278529	5.13849	5.138
20 Isophorone	82		10.684	10.677	(0.921)	581184	7.41183	7.412
21 2-Nitrophenol	139		10.876	10.859	(0.937)	175569	5.12801	5.128
22 2,4-Dimethylphenol	107		10.936	10.919	(0.942)	196968	4.73580	4.736
23 Bis(2-Chloroethoxy)methane	93		11.123	11.106	(0.959)	270186	5.73516	5.735
24 Benzoic acid	105		11.106	11.140	(0.957)	143508	6.62128	6.621
25 2,4-Dichlorophenol	162		11.335	11.326	(0.977)	234378	5.54474	5.545
26 1,2,4-Trichlorobenzene	180		11.519	11.504	(0.993)	221798	4.88841	4.888
* 27 Naphthalene-d8	136		11.604	11.589	(1.000)	505418	4.00000	
28 Naphthalene	128		11.643	11.635	(1.003)	639883	4.94683	4.947
29 4-Chloroaniline	127		11.774	11.758	(1.015)	265378	4.64633	4.646
30 Hexachlorobutadiene	225		12.006	11.990	(1.035)	115567	5.33913	5.339
31 4-Chloro-3-methylphenol	107		12.756	12.741	(1.099)	244559	4.85270	4.853
32 2-Methylnaphthalene	142		13.050	13.035	(1.125)	670266	5.21373	5.214
33 Hexachlorocyclopentadiene	237		13.515	13.499	(0.887)	55412	3.32629	3.326

Compounds	QUANT SIG				CONCENTRATIONS		
	MASS	RT	EXP RT	REL RT	RESPONSE	ON-COLUMN (ug/mL)	FINAL (ug/mL)
34 2,4,6-Trichlorophenol	196	13.677	13.662	(0.898)	170978	5.24236	5.242
35 2,4,5-Trichlorophenol	196	13.755	13.739	(0.903)	172769	4.42727	4.427
§ 36 2-Fluorobiphenyl	172	13.832	13.817	(0.908)	683222	5.26116	5.261
37 2-Chloronaphthalene	162	14.049	14.033	(0.922)	625328	5.46235	5.462
38 2-Nitroaniline	65	14.304	14.289	(0.939)	163591	5.34222	5.342
39 Dimethylphthalate	163	14.738	14.714	(0.967)	500509	4.97347	4.973
40 Acenaphthylene	152	14.923	14.908	(0.980)	750906	4.47637	4.476
41 2,6-Dinitrotoluene	165	14.877	14.862	(0.977)	122846	5.25597	5.256
* 42 Acenaphthene-d10	164	15.233	15.217	(1.000)	286969	4.00000	
43 3-Nitroaniline	138	15.163	15.148	(0.995)	147993	5.37872	5.379
44 Acenaphthene	153	15.302	15.287	(1.005)	412233	4.93939	4.939
45 2,4-Dinitrophenol	184	15.380	15.364	(1.010)	21043	2.02332	2.023
46 Dibenzofuran	168	15.635	15.619	(1.026)	708335	5.34049	5.340
47 4-Nitrophenol	109	15.511	15.488	(1.018)	40185	4.43466	4.435
48 2,4-Dinitrotoluene	165	15.689	15.673	(1.030)	165818	5.30810	5.308
50 Diethylphthalate	149	16.199	16.184	(1.063)	463792	5.37240	5.372
49 Fluorene	166	16.354	16.331	(1.074)	728048	4.59382	4.594
51 4-Chlorophenyl-phenylether	204	16.338	16.323	(1.073)	376282	5.40653	5.407
52 4-Nitroaniline	138	16.439	16.423	(1.079)	140376	5.09381	5.094
53 4,6-Dinitro-2-methylphenol	198	16.539	16.523	(0.904)	85433	4.31421	4.314
54 N-Nitrosodiphenylamine	169	16.593	16.570	(0.907)	395951	4.98277	4.983
§ 55 2,4,6-Tribromophenol	330	16.894	16.870	(1.109)	90754	6.94559	6.946
56 4-Bromophenyl-phenylether	248	17.348	17.333	(0.948)	200887	5.45634	5.456
57 Hexachlorobenzene	284	17.673	17.650	(0.966)	171847	5.11363	5.114
58 Pentachlorophenol	266	18.037	18.014	(0.986)	24841	3.23849	3.238
* 59 Phenanthrene-d10	188	18.300	18.277	(1.000)	505363	4.00000	
60 Phenanthrene	178	18.347	18.323	(1.003)	649666	4.89322	4.893
61 Anthracene	178	18.439	18.416	(1.008)	683072	4.82784	4.828
62 Carbazole	167	18.772	18.749	(1.026)	726709	5.56744	5.567
63 Di-n-butylphthalate	149	19.584	19.554	(1.070)	1082696	5.32836	5.328
64 Fluoranthene	202	20.753	20.722	(0.887)	1048305	4.19233	4.192
65 Pyrene	202	21.178	21.147	(0.905)	1006992	4.57159	4.572
§ 66 Terphenyl-d14	244	21.465	21.441	(0.918)	561068	4.66854	4.669
67 Butylbenzylphthalate	149	22.401	22.371	(0.958)	338140	4.86029	4.860
68 Benzo(a)anthracene	228	23.362	23.331	(0.999)	707995	4.85155	4.852
* 69 Chrysene-d12	240	23.393	23.354	(1.000)	344386	4.00000	
70 3,3'-Dichlorobenzidine	252	23.315	23.284	(0.997)	559597	11.7678	11.77
71 Chrysene	228	23.439	23.400	(1.002)	479984	4.72467	4.725
72 bis(2-Ethylhexyl)phthalate	149	23.447	23.416	(0.959)	366071	5.06090	5.061
* 134 Di-n-octylphthalate-d4	153	24.453	24.422	(1.000)	654412	4.00000	
73 Di-n-octylphthalate	149	24.469	24.430	(1.001)	818367	5.50195	5.502
74 Benzo(b)fluoranthene	252	25.297	25.258	(0.969)	600074	4.95534	4.955
75 Benzo(k)fluoranthene	252	25.344	25.305	(0.971)	612767	5.26231	5.262
76 Benzo(a)pyrene	252	25.979	25.932	(0.996)	485665	4.90022	4.900
* 77 Perylene-d12	264	26.095	26.048	(1.000)	267390	4.00000	
78 Indeno(1,2,3-cd)pyrene	276	28.884	28.814	(1.107)	503980	4.76253	4.763
79 Dibenzo(a,h)anthracene	278	28.900	28.830	(1.107)	378728	4.67505	4.675
80 Benzo(g,h,i)perylene	276	29.707	29.630	(1.138)	415473	4.91157	4.912
90 N-Nitrosodimethylamine	74	4.720	4.720	(0.518)	244386	6.68622	6.686
91 Aniline	93	Compound Not Detected.					
93 Benzidine	184	20.985	20.954	(0.897)	177079	3.48536	3.485
103 Pyridine	79	4.743	4.736	(0.520)	326265	3.14892	3.149
105 1-methylnaphthalene	142	13.275	13.252	(1.144)	651979	5.16205	5.162
111 Azobenzene (1,2-DP-Hydrazine)	77	16.670	16.647	(1.094)	559493	4.88168	4.882

Compounds	QUANT SIG	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS	
						ON-COLUMN (ug/mL)	FINAL (ug/mL)
187 Total Benzofluoranthenes	252	25.297	25.305	(0.969)	1110070	9.83152	9.832
120 2,3,4,6-Tetrachlorophenol	232	15.975	15.959	(1.049)	100330	3.99993	4.000

ARI Labs, Inc.

INTERNAL STANDARD COMPOUNDS
 AREA AND RT SUMMARY

Instrument ID: nt10.i Calibration Date: 23-JUN-2022
 Lab File ID: NT1022062311.D Calibration Time: 16:38
 Lab Smp Id: SKF0270-SCV1
 Analysis Type: SV Level:
 Quant Type: ISTD Sample Type:
 Operator: VTS
 Method File: \\target\share\chem3\nt10.i\20220623.b\ABN.m
 Misc Info:

Test Mode:
 Use Last Continuing Calibrator.

COMPOUND	STANDARD	AREA LIMIT		SAMPLE	%DIFF
		LOWER	UPPER		
8 1,4-Dichlorobenze	149714	74857	299428	152987	2.19
27 Naphthalene-d8	491315	245658	982630	505418	2.87
42 Acenaphthene-d10	286589	143295	573178	286969	0.13
59 Phenanthrene-d10	498820	249410	997640	505363	1.31
69 Chrysene-d12	311295	155648	622590	344386	10.63
134 Di-n-octylphthala	577982	288991	1155964	654412	13.22
77 Perylene-d12	218550	109275	437100	267390	22.35

COMPOUND	STANDARD	RT LIMIT		SAMPLE	%DIFF
		LOWER	UPPER		
8 1,4-Dichlorobenze	9.10	8.60	9.60	9.12	0.17
27 Naphthalene-d8	11.59	11.09	12.09	11.60	0.13
42 Acenaphthene-d10	15.22	14.72	15.72	15.23	0.10
59 Phenanthrene-d10	18.28	17.78	18.78	18.30	0.13
69 Chrysene-d12	23.35	22.85	23.85	23.39	0.17
134 Di-n-octylphthala	24.42	23.92	24.92	24.45	0.13
77 Perylene-d12	26.05	25.55	26.55	26.10	0.18

AREA UPPER LIMIT = +100% of internal standard area.
 AREA LOWER LIMIT = - 50% of internal standard area.
 RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
 RT LOWER LIMIT = - 0.50 minutes of internal standard RT.

REVIEW SUMMARY FOR FILE - NT1022062311.D

Lab ID: SKF0270-SCV1
nt10.i, ABN.m, 23-JUN-2022 15:20

RT CO-ELUTION COMPOUNDS

NO CO-ELUTIONS

Quant Method: ICAL

RRT CHECK

RRT	CCV	RRT	DELTA	COMPOUND
-----	-----	-----	-------	----------

NONE

RRT check based on Ccal File: NT1022062313.D

On Column LOD for nt10.i, ABN.m, ICAL.sub = 0.0000

* Only compounds listed in the work order have been verified by the analyst *



**LOW-CONCENTRATION
CALIBRATION VERIFICATION
EPA 8270E**

Laboratory: Analytical Resources, LLC

SDG: 22F0267

Client: GeoEngineers

Project: RG Haley Site-Bellingham

Calibration: FE00035

Laboratory ID: SKF0291-LCV1

Sequence: SKF0291

Standard ID: K004653

ANALYTE	EXPECTED (ug/mL)	FOUND (ug/mL)	% DRIFT	QC LIMIT
Naphthalene	5.0000	5.1	1.9	
2-Methylnaphthalene	5.0000	4.8	-4.3	
Acenaphthene	5.0000	5.0	-0.9	
Pentachlorophenol	5.0000	3.7	-25.4	
Phenanthrene	5.0000	5.1	2.0	
Fluoranthene	5.0000	5.5	9.3	
Benzo(a)anthracene	5.0000	4.9	-2.2	
Chrysene	5.0000	5.0	0.02	
Benzo(b)fluoranthene	5.0000	5.0	0.06	
Benzo(k)fluoranthene	5.0000	5.3	5.2	
Benzo(a)pyrene	5.0000	4.9	-2.0	
Indeno(1,2,3-cd)pyrene	5.0000	4.6	-7.4	
Dibenzo(a,h)anthracene	5.0000	4.6	-8.8	
1-Methylnaphthalene	5.0000	5.0	-0.01	
2-Fluorophenol	7.5000	6.82	-9.0	
Phenol-d5	7.5000	6.74	-10.2	
2-Chlorophenol-d4	7.5000	6.76	-9.9	
1,2-Dichlorobenzene-d4	5.0000	4.67	-6.7	
Nitrobenzene-d5	5.0000	4.73	-5.3	
2-Fluorobiphenyl	5.0000	4.71	-5.8	
2,4,6-Tribromophenol	7.5000	7.05	-6.0	
p-Terphenyl-d14	5.0000	4.50	-9.9	

* Values outside of QC limits

Data File: \\target\share\chem3\nt6.1\20220624.1\NT622062402.D

Date: 24-JUN-2022 10:59

Client ID:

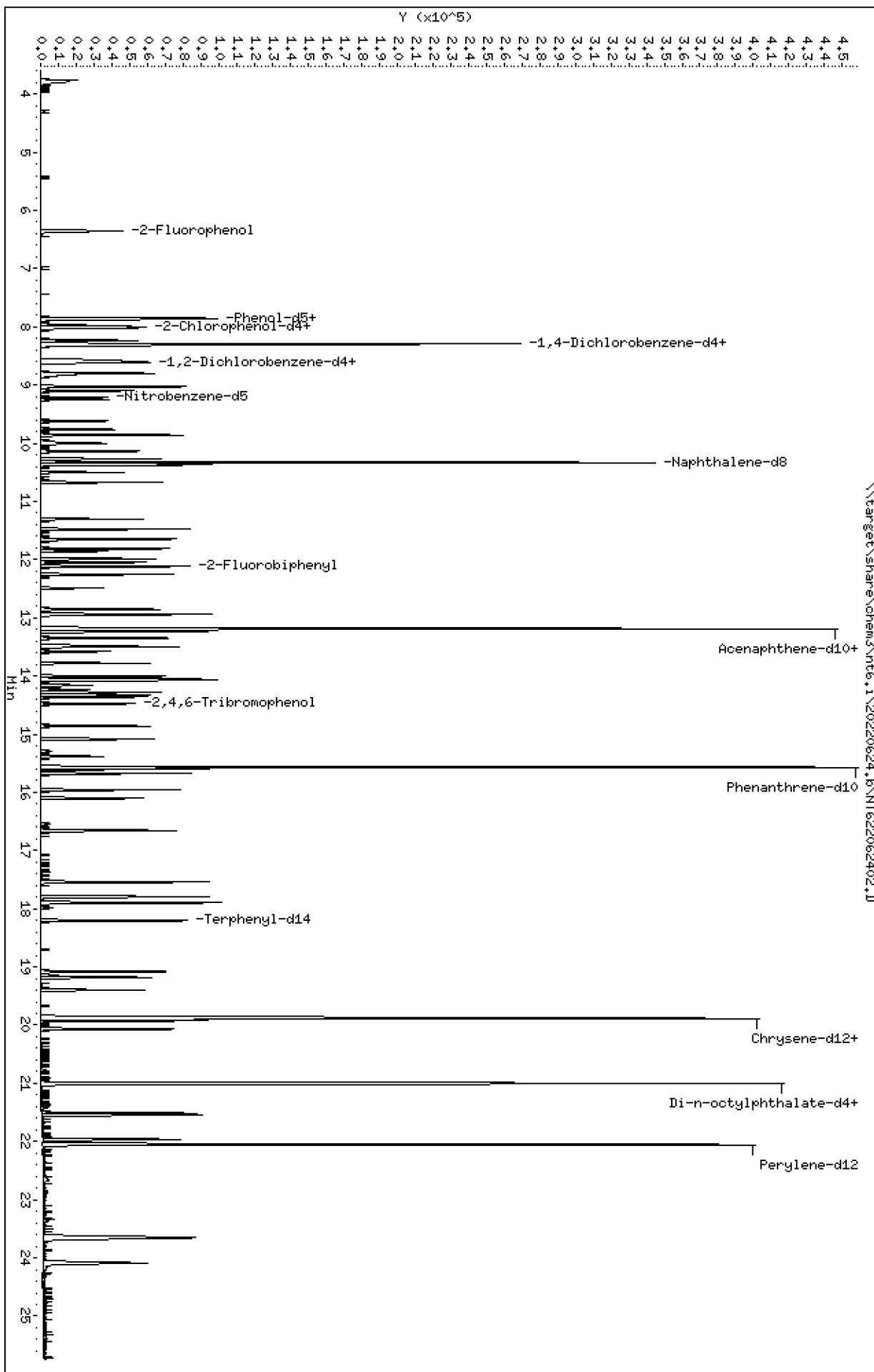
Sample Info: LCW220624

Column phase: ZB-5msi

Instrument: nt6.1

Operator: JZ

Column diameter: 0.32



\\target\share\chem3\nt6.1\20220624.1\NT622062402.D

Date : 24-JUN-2022 10:59

Client ID:

Instrument: nt6.i

Sample Info: LCV220624

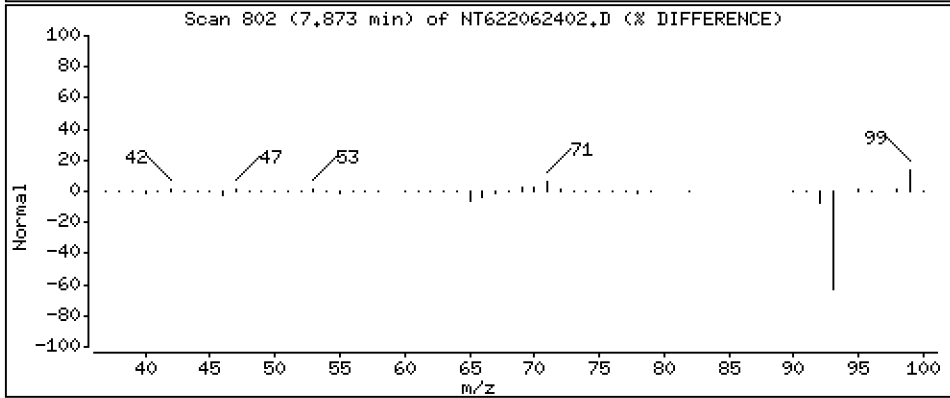
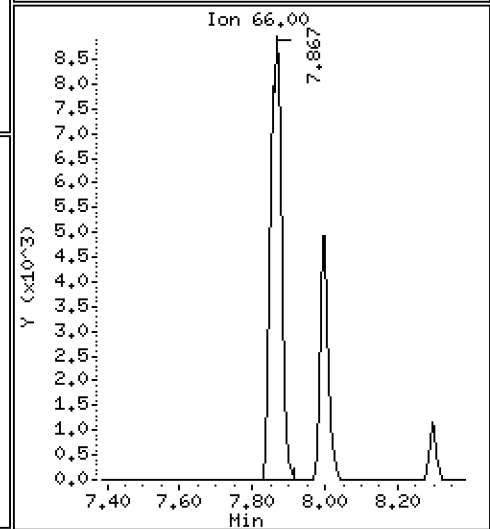
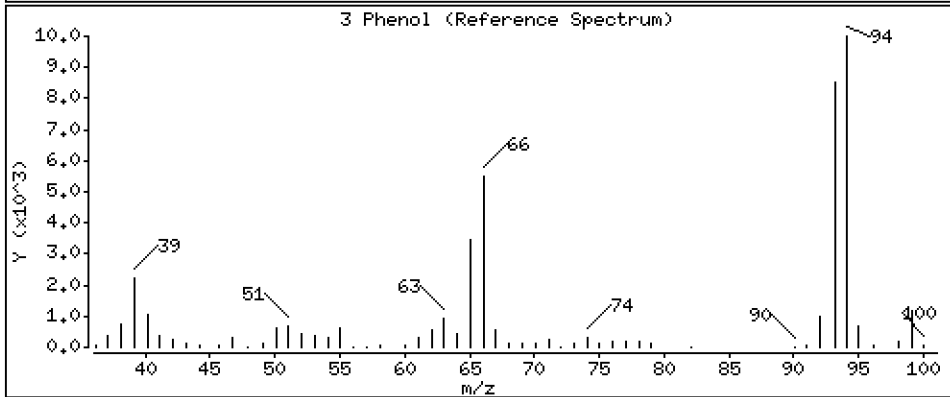
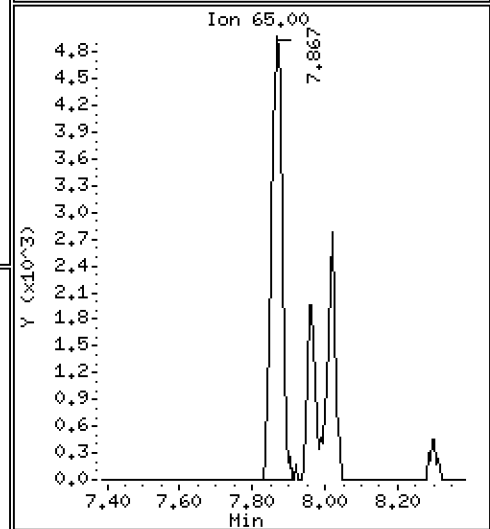
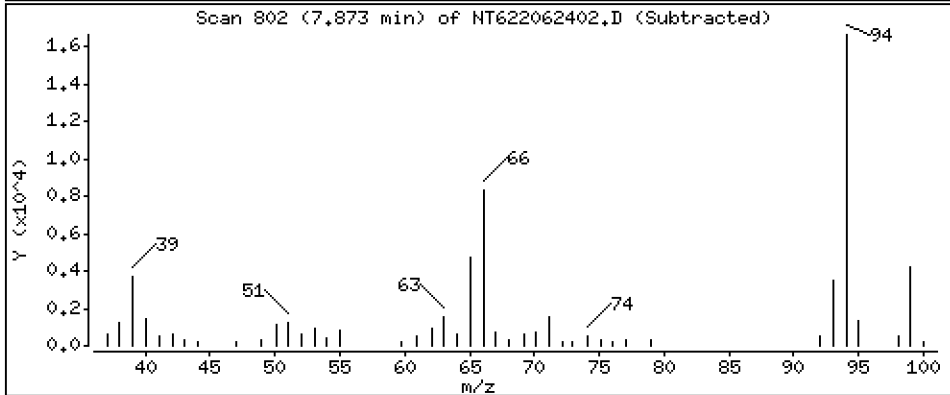
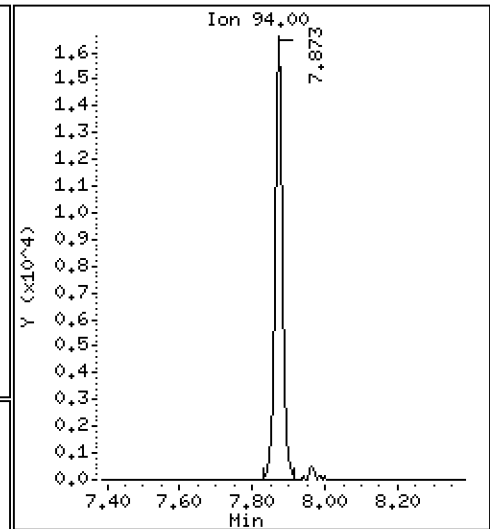
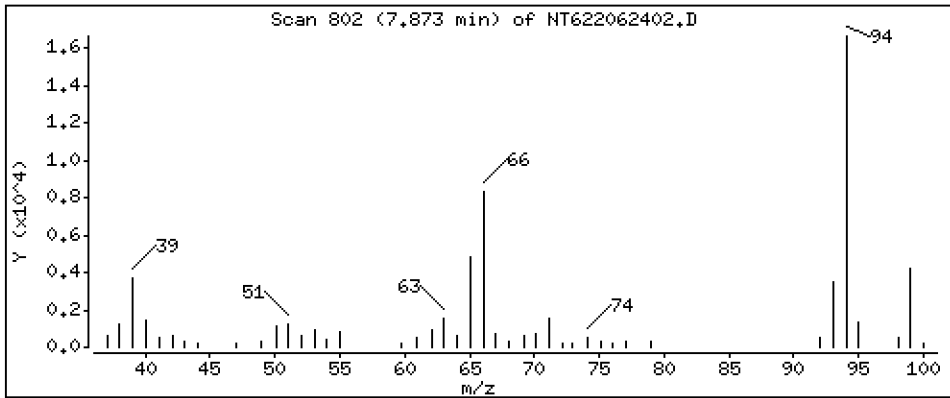
Operator: JZ

Column phase: ZB-5msi

Column diameter: 0.32

3 Phenol

Concentration: 4.898 ug/mL



Date : 24-JUN-2022 10:59

Client ID:

Instrument: nt6.i

Sample Info: LCV220624

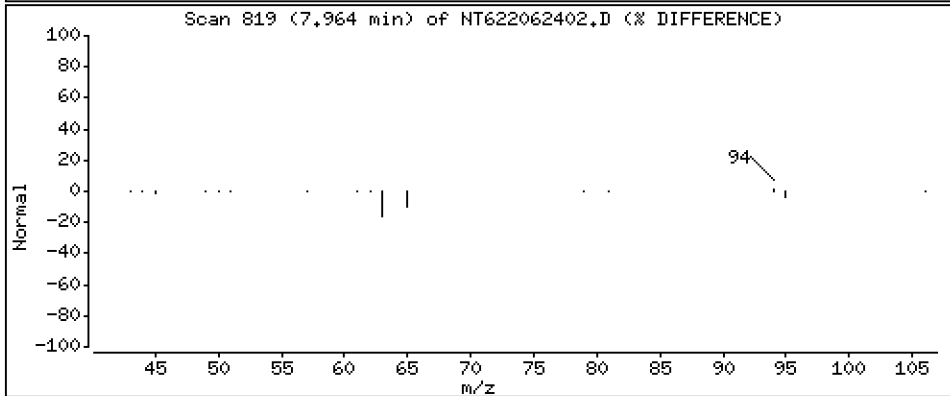
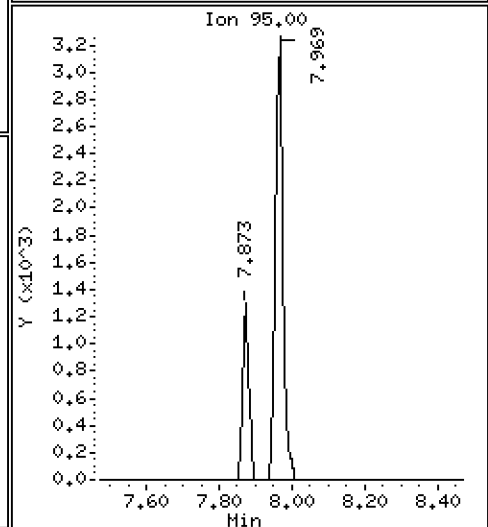
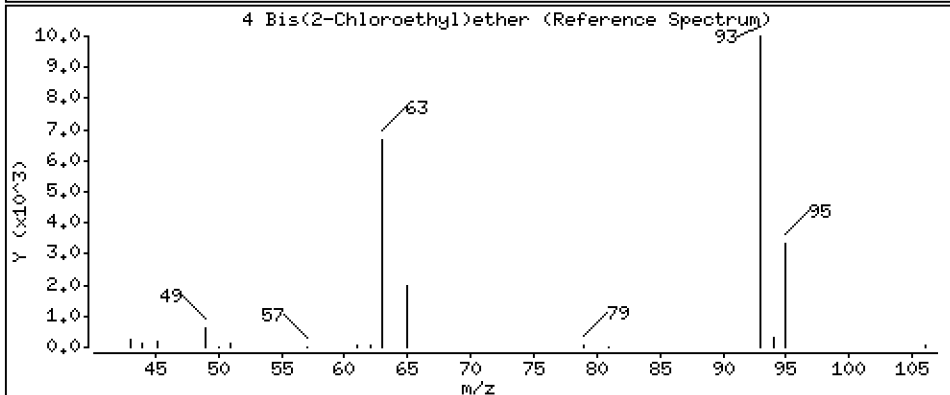
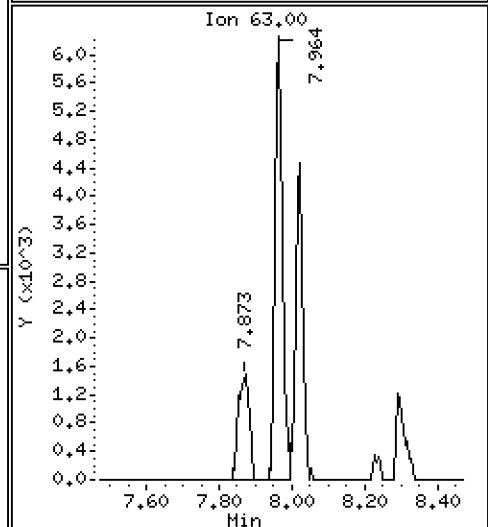
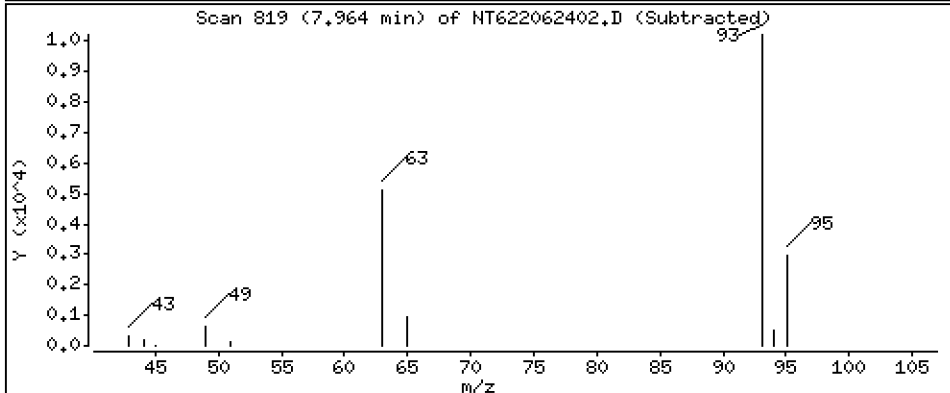
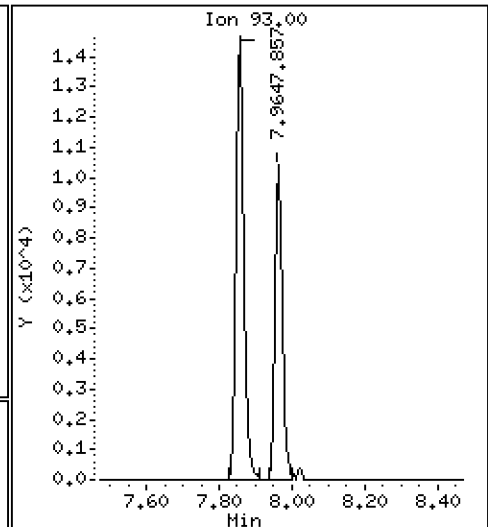
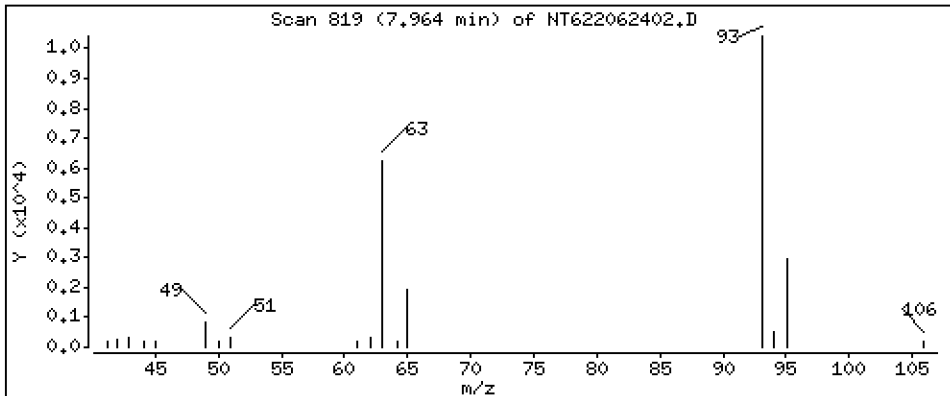
Operator: JZ

Column phase: ZB-5msi

Column diameter: 0.32

4 Bis(2-Chloroethyl)ether

Concentration: 5.101 ug/mL



Date : 24-JUN-2022 10:59

Client ID:

Instrument: nt6.i

Sample Info: LCV220624

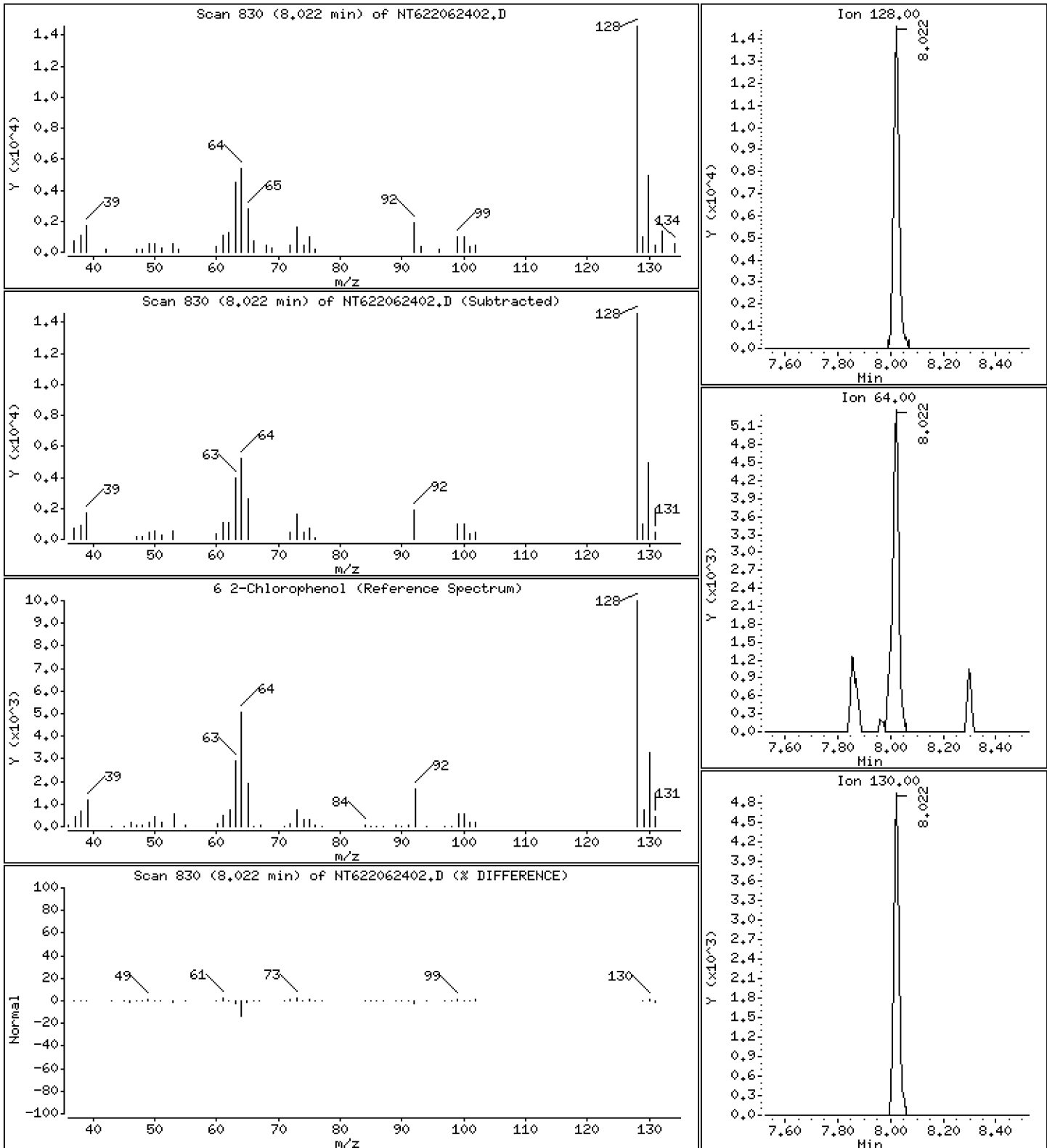
Operator: JZ

Column phase: ZB-5msi

Column diameter: 0.32

6 2-Chlorophenol

Concentration: 5.361 ug/mL



Date : 24-JUN-2022 10:59

Client ID:

Instrument: nt6.i

Sample Info: LCV220624

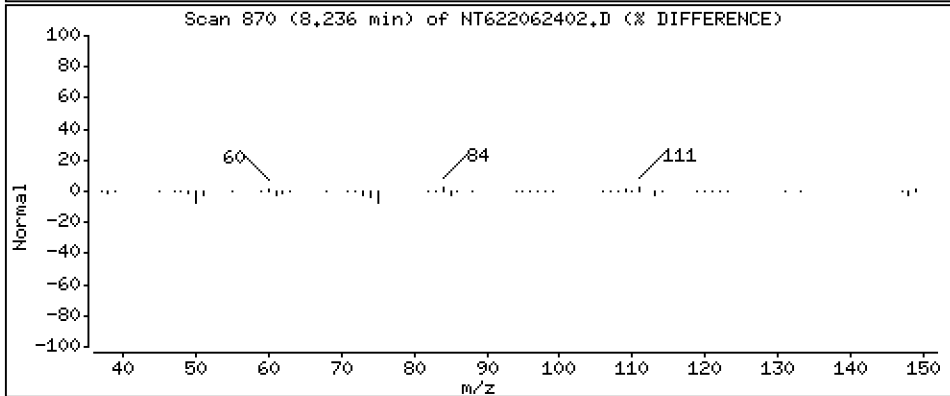
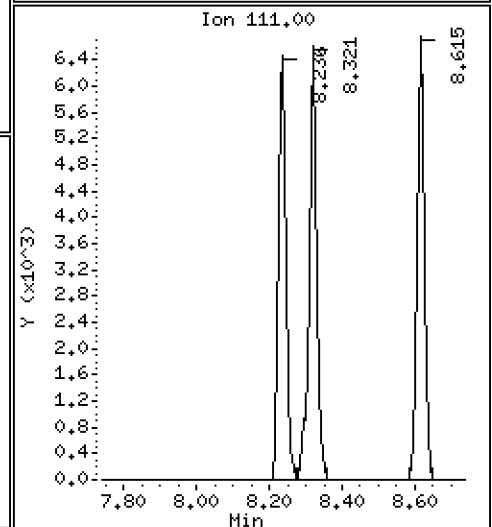
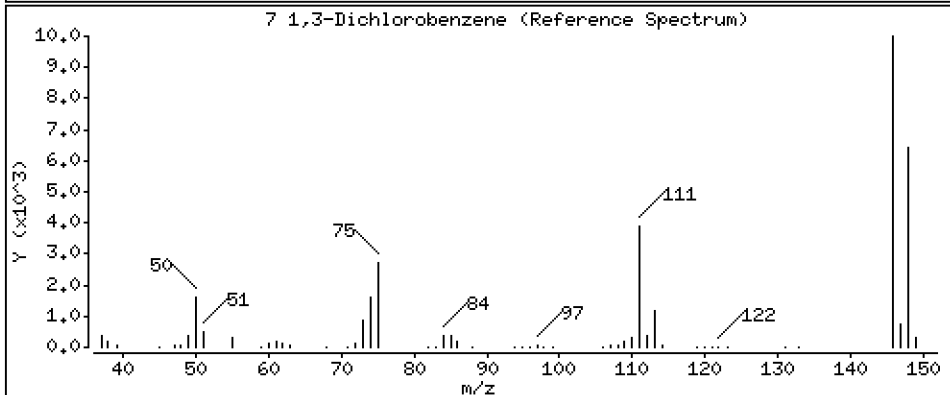
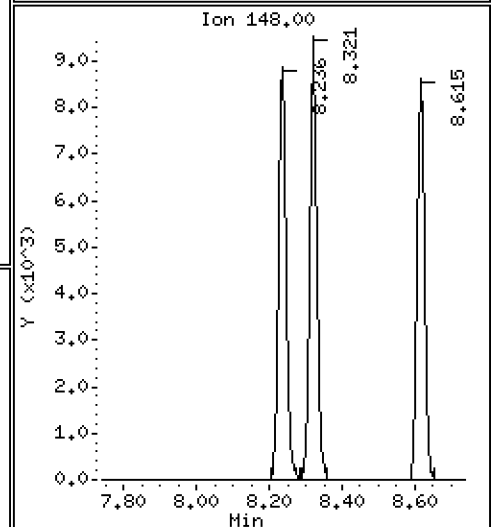
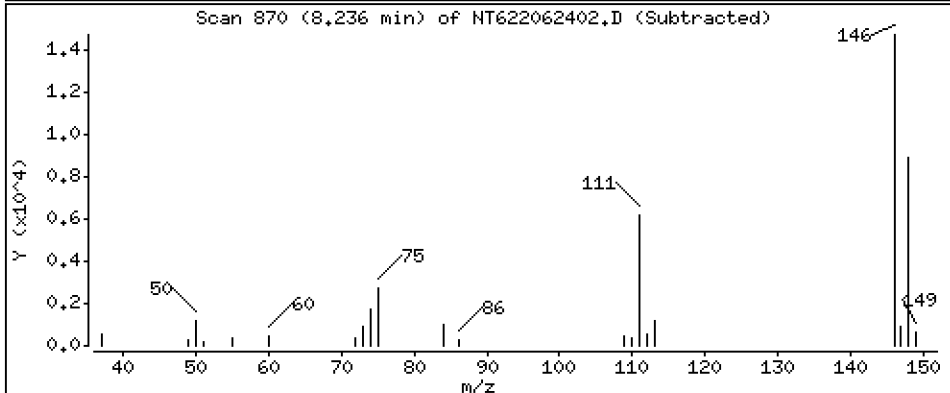
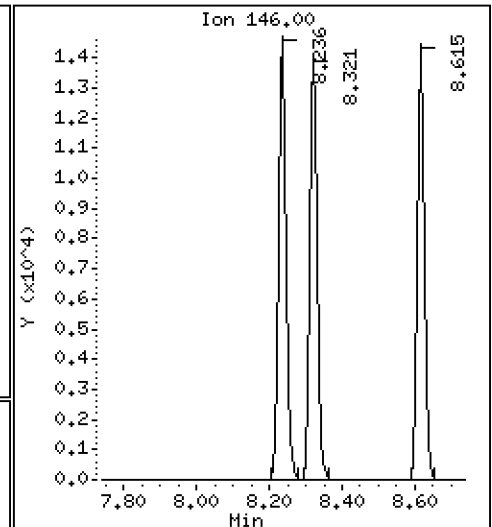
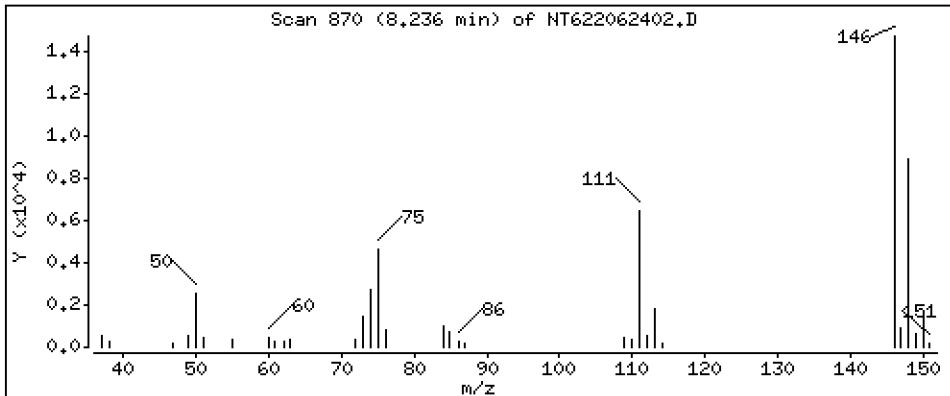
Operator: JZ

Column phase: ZB-5msi

Column diameter: 0.32

7 1,3-Dichlorobenzene

Concentration: 5,129 ug/mL



Date : 24-JUN-2022 10:59

Client ID:

Instrument: nt6.i

Sample Info: LCV220624

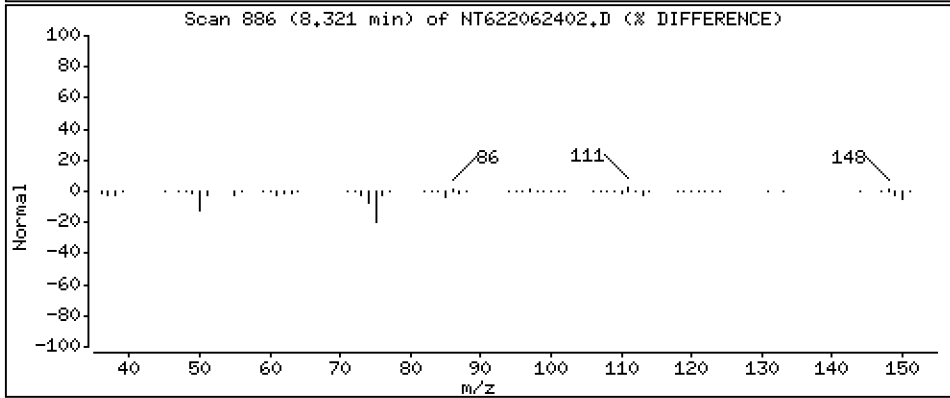
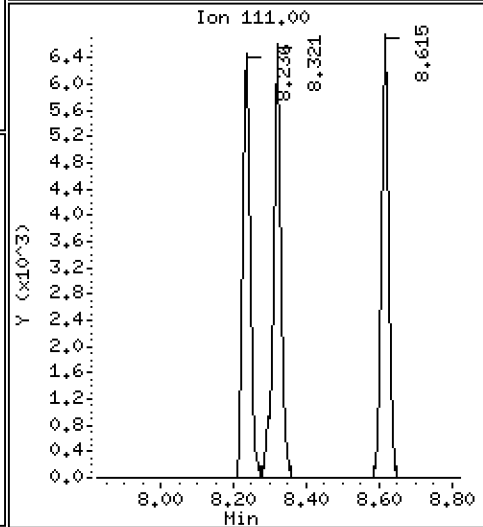
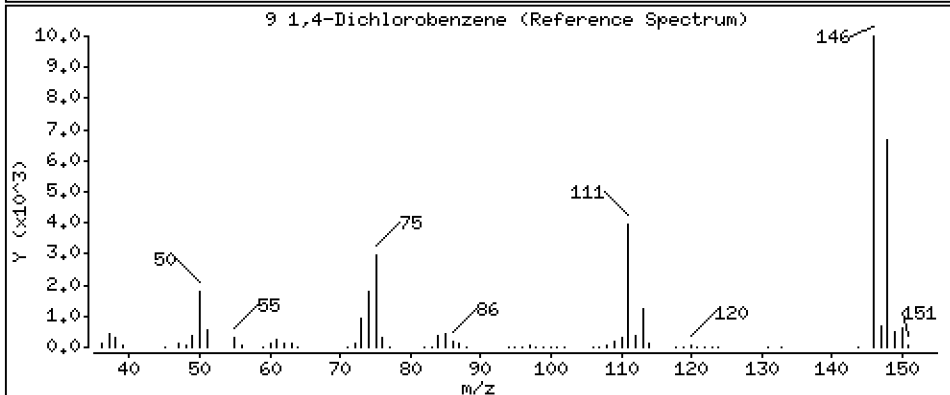
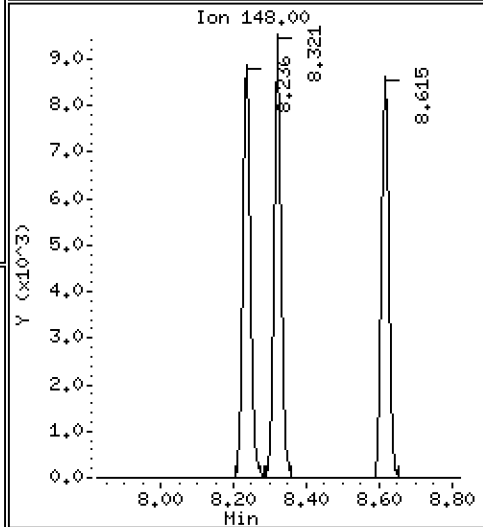
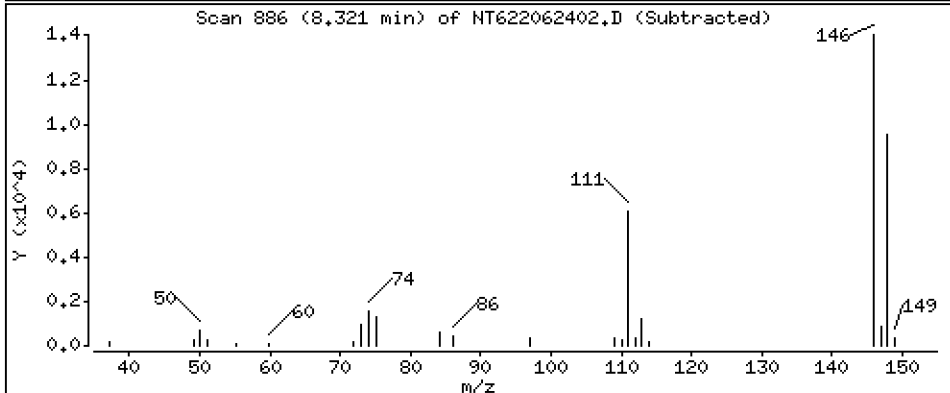
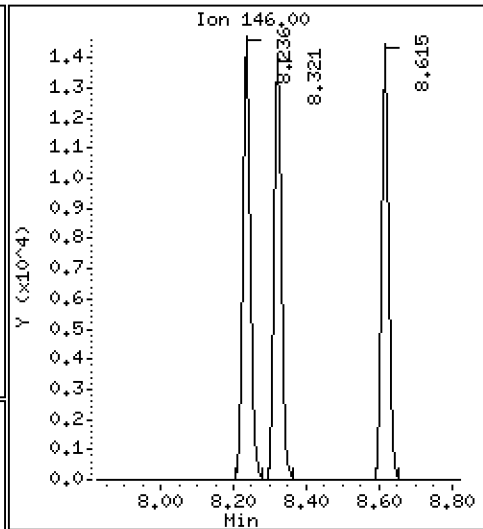
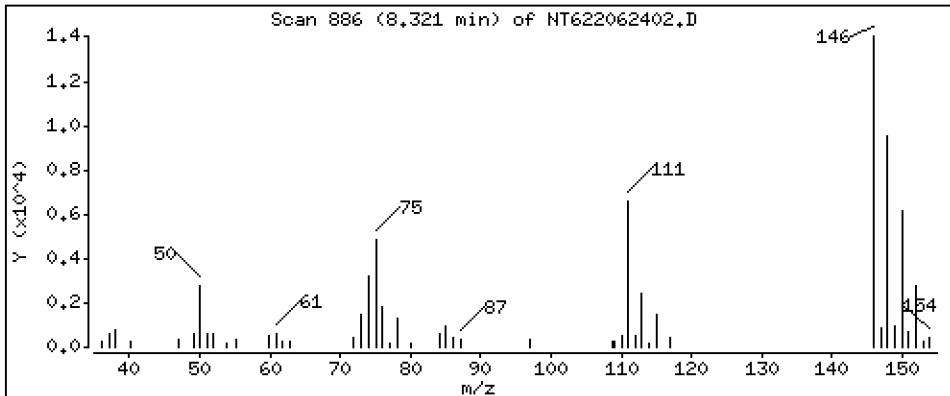
Operator: JZ

Column phase: ZB-5msi

Column diameter: 0.32

9 1,4-Dichlorobenzene

Concentration: 5.077 ug/mL



Date : 24-JUN-2022 10:59

Client ID:

Instrument: nt6.i

Sample Info: LCV220624

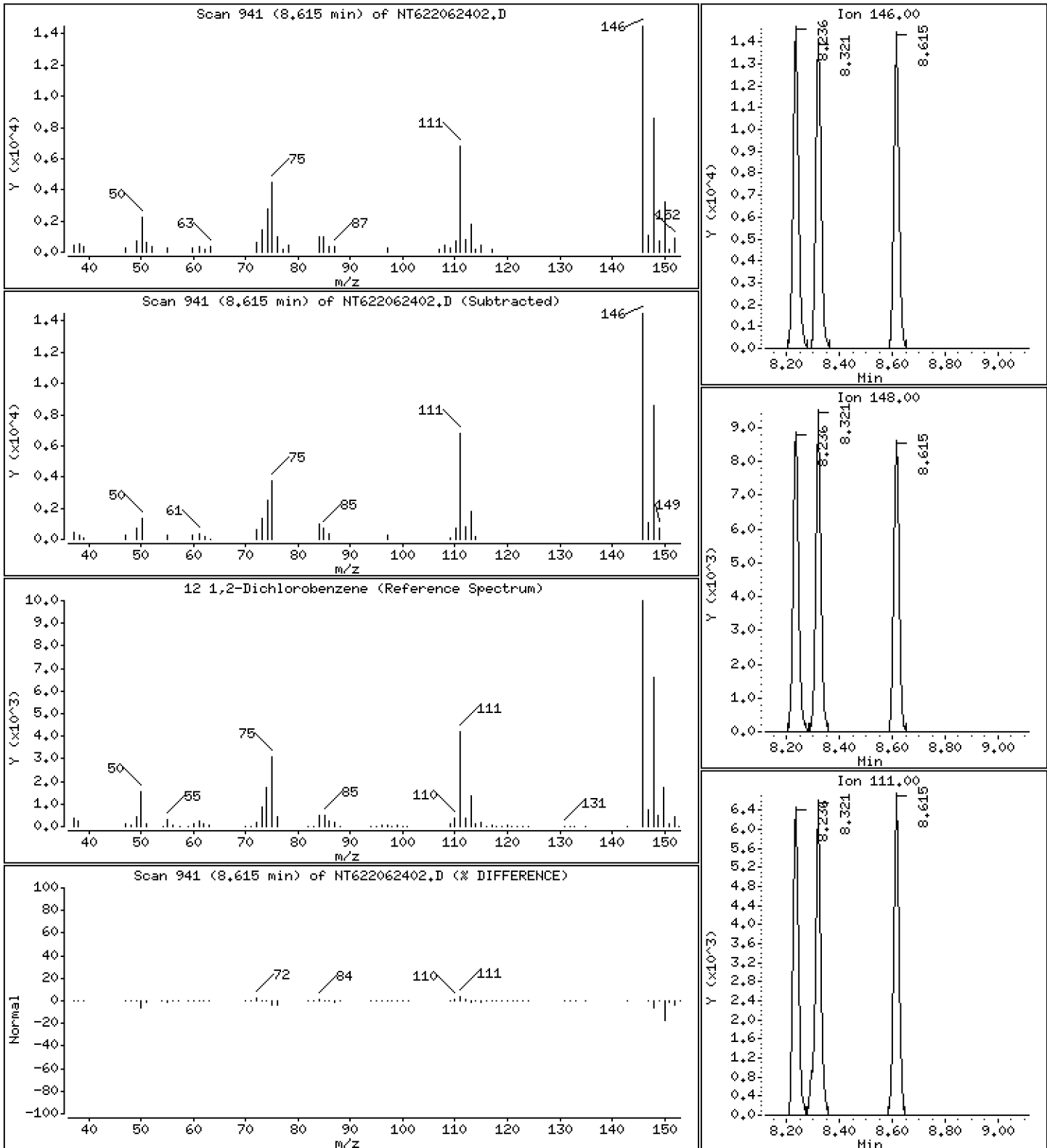
Operator: JZ

Column phase: ZB-5msi

Column diameter: 0.32

12 1,2-Dichlorobenzene

Concentration: 5.096 ug/mL



Date : 24-JUN-2022 10:59

Client ID:

Instrument: nt6.i

Sample Info: LCV220624

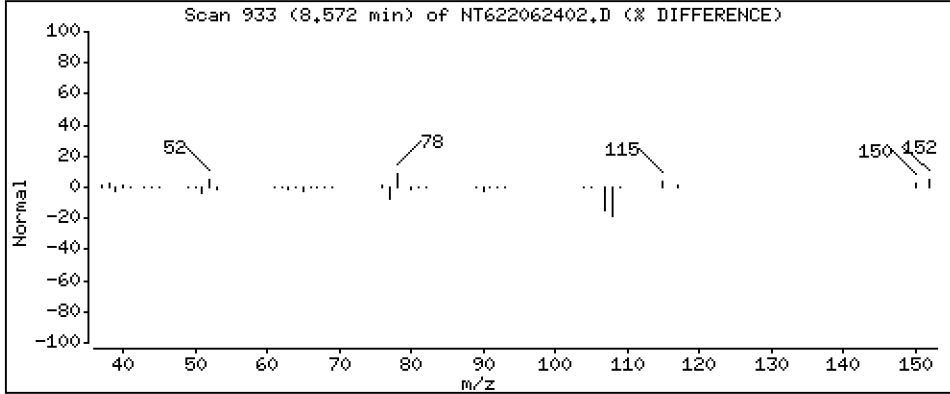
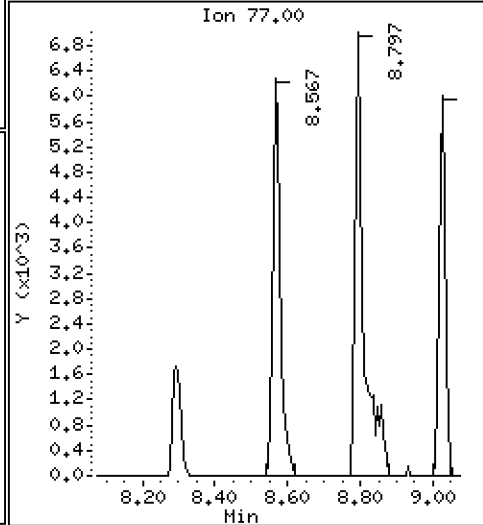
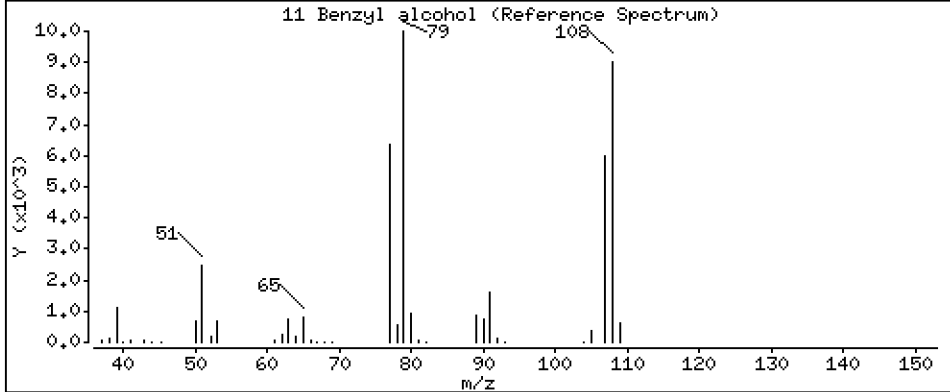
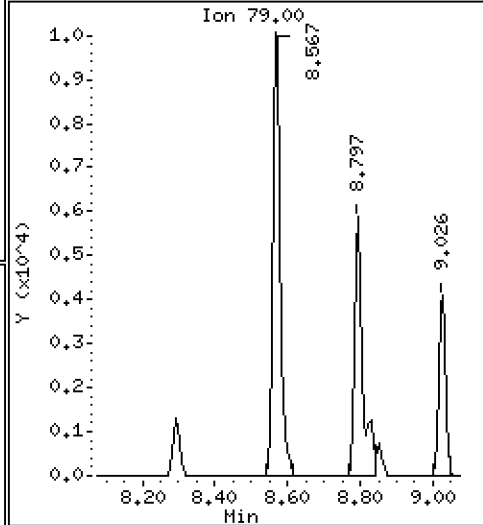
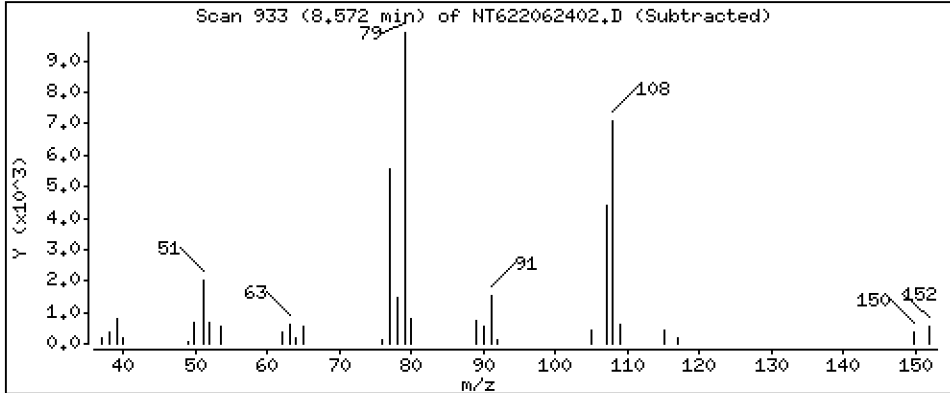
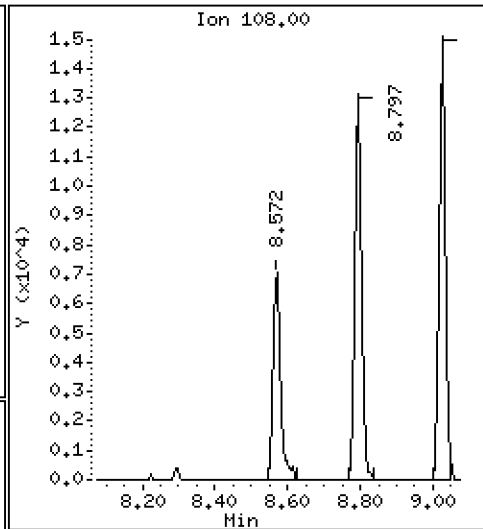
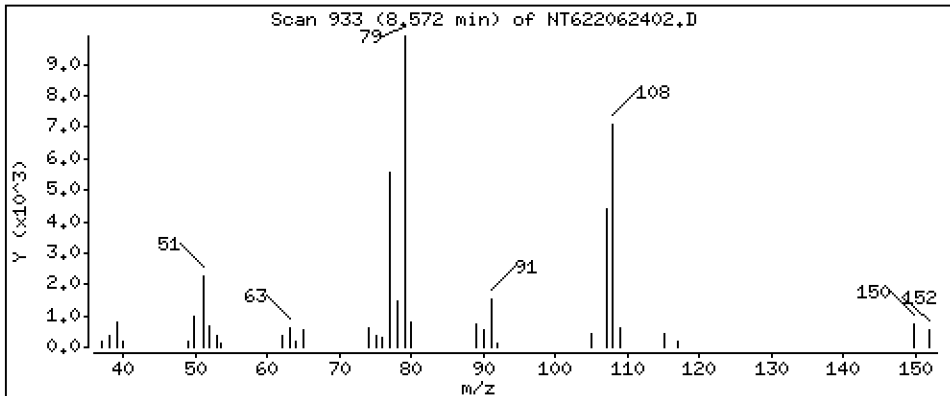
Operator: JZ

Column phase: ZB-5msi

Column diameter: 0.32

11 Benzyl alcohol

Concentration: 4.592 ug/mL



Date : 24-JUN-2022 10:59

Client ID:

Instrument: nt6.i

Sample Info: LCV220624

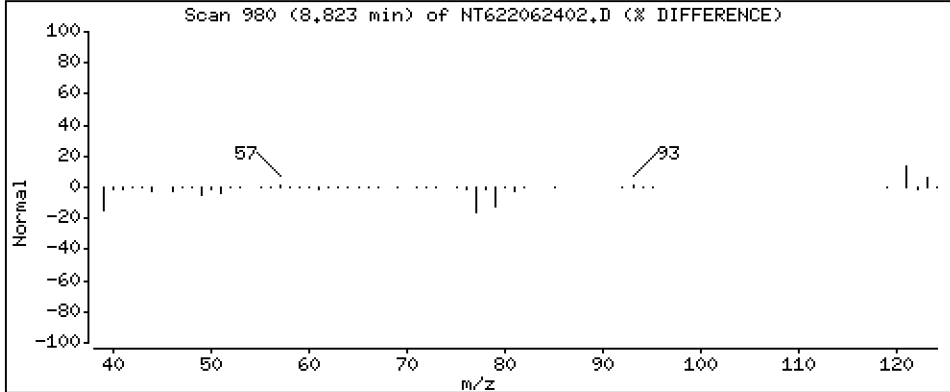
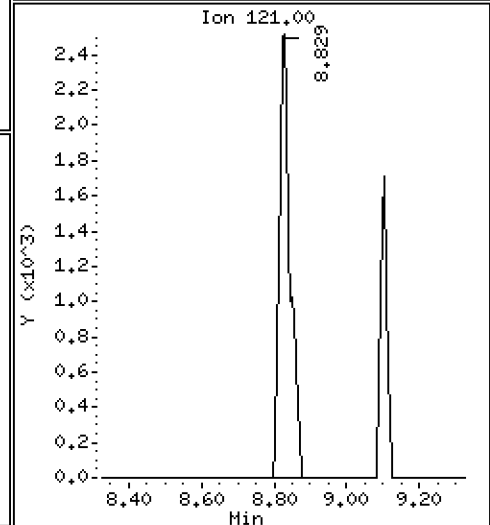
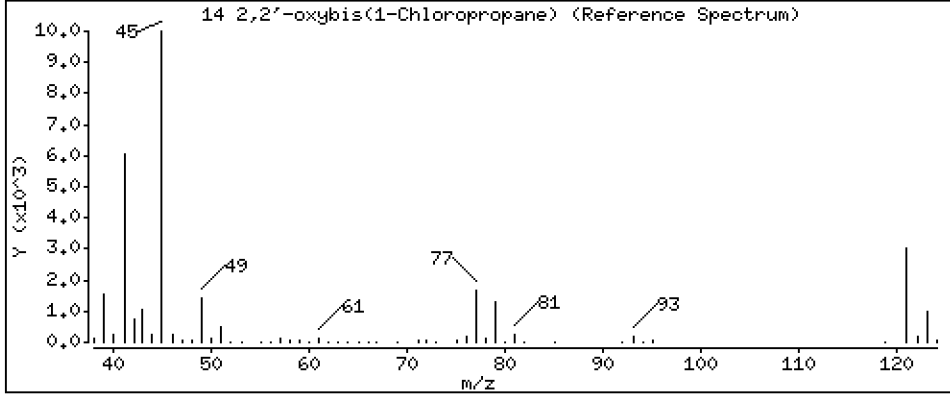
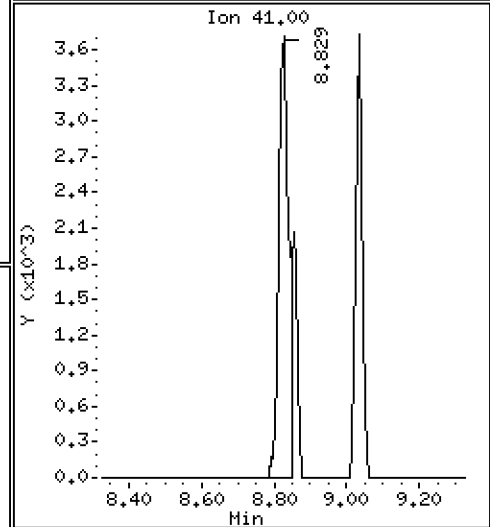
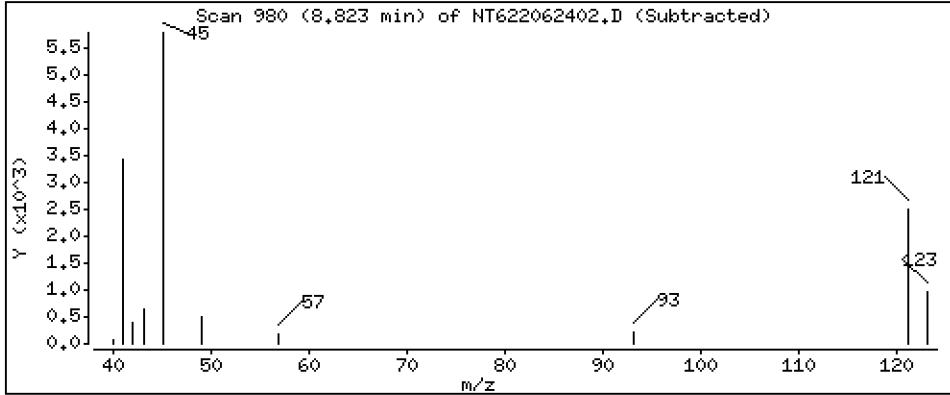
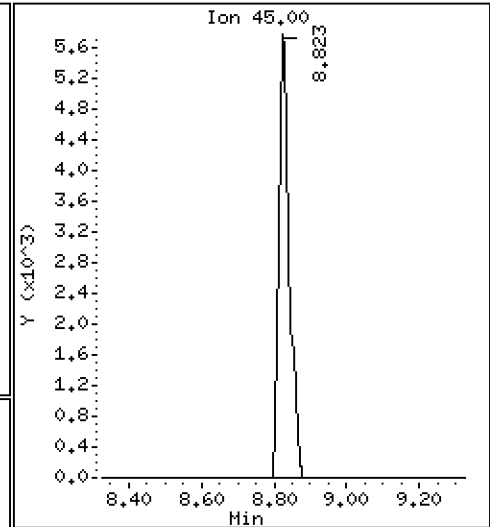
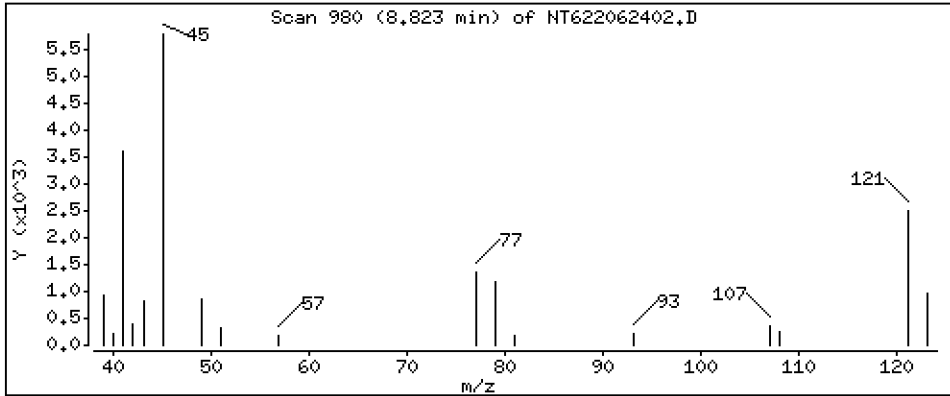
Operator: JZ

Column phase: ZB-5msi

Column diameter: 0.32

14 2,2'-oxybis(1-Chloropropane)

Concentration: 5.216 ug/mL



Date : 24-JUN-2022 10:59

Client ID:

Instrument: nt6.i

Sample Info: LCV220624

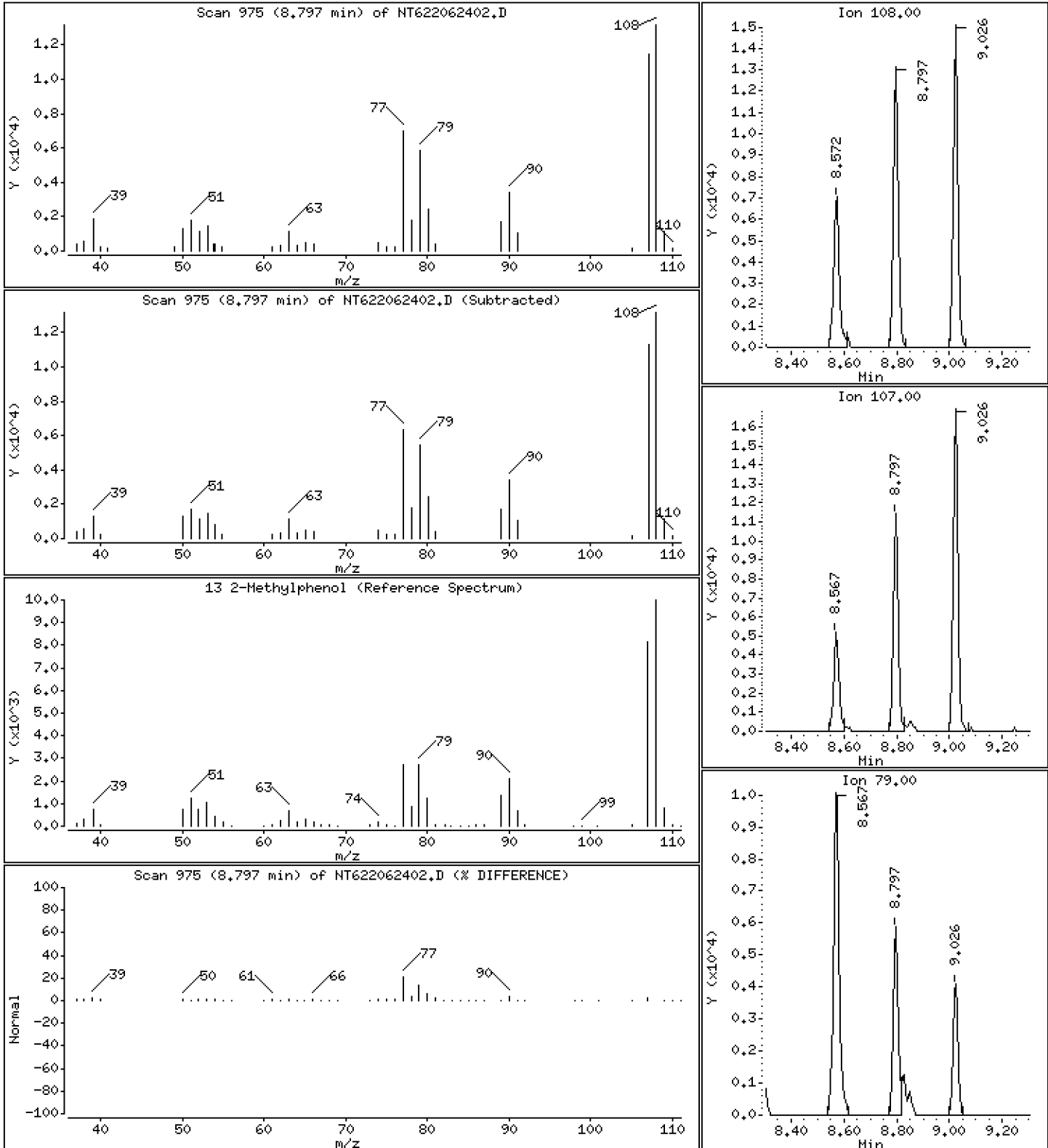
Operator: JZ

Column phase: ZB-5msi

Column diameter: 0.32

13 2-Methylphenol

Concentration: 5.157 ug/mL



Date : 24-JUN-2022 10:59

Client ID:

Instrument: nt6.i

Sample Info: LCV220624

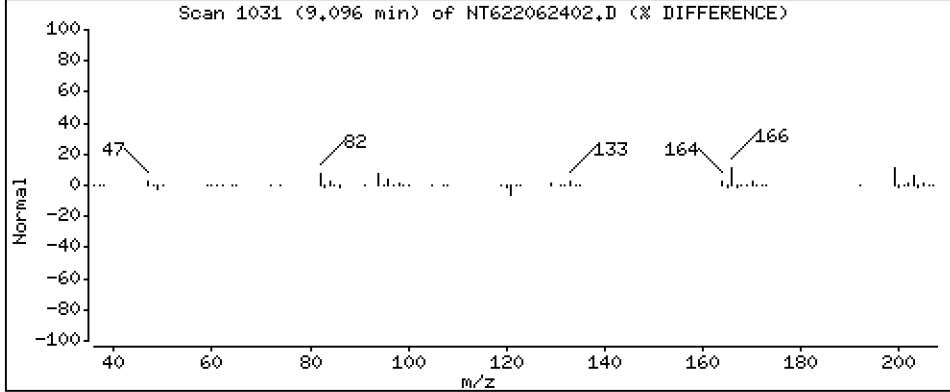
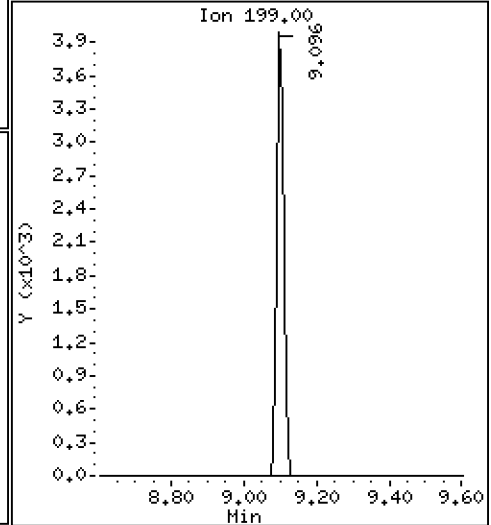
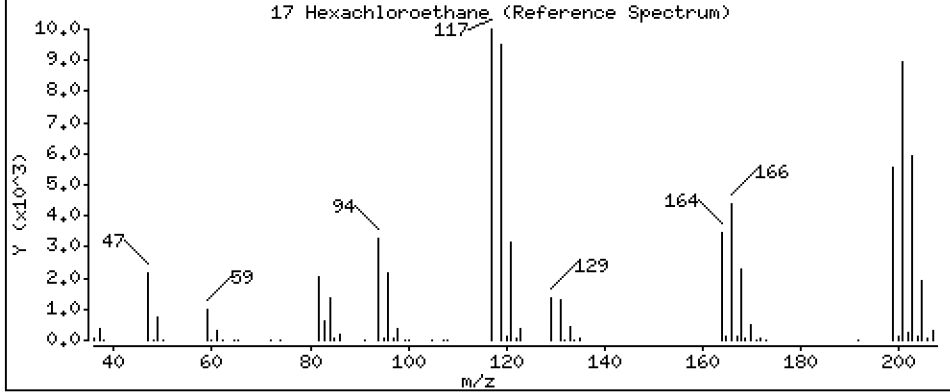
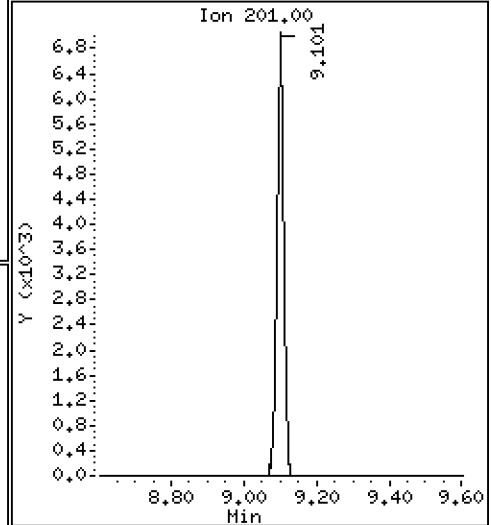
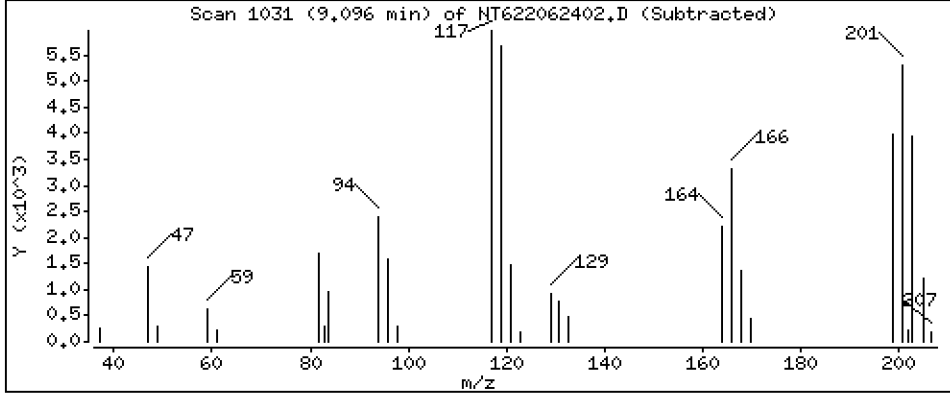
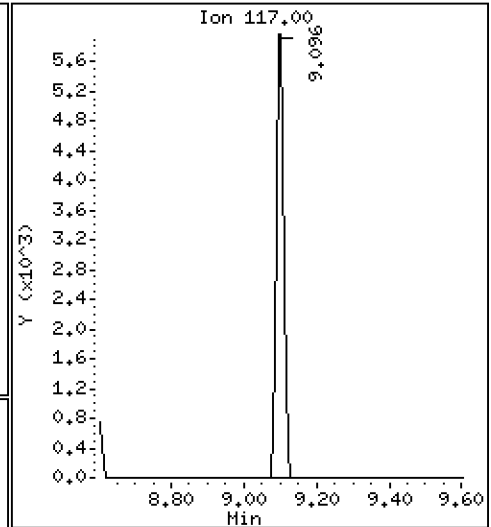
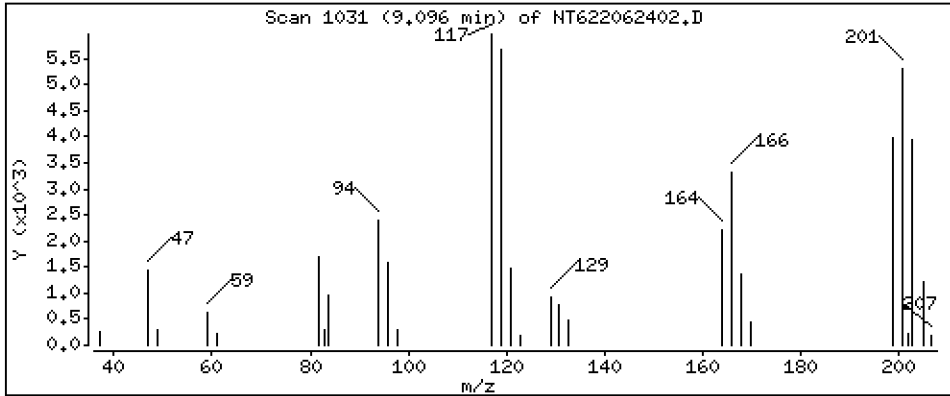
Operator: JZ

Column phase: ZB-5msi

Column diameter: 0.32

17 Hexachloroethane

Concentration: 5,304 ug/mL



Date : 24-JUN-2022 10:59

Client ID:

Instrument: nt6.i

Sample Info: LCV220624

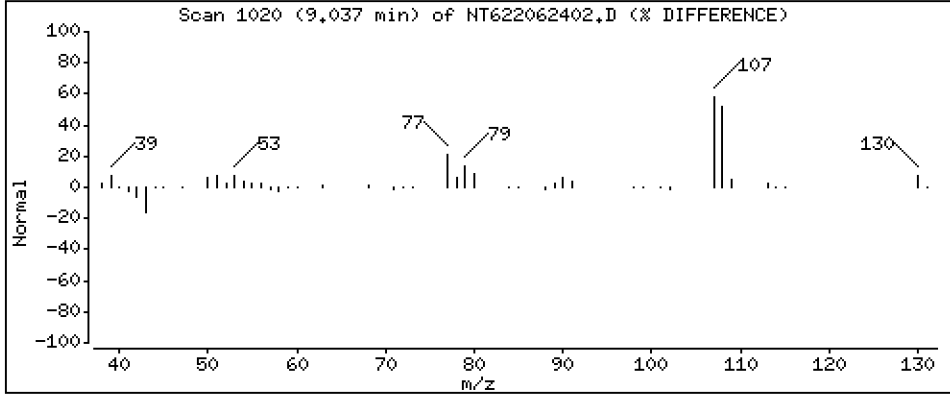
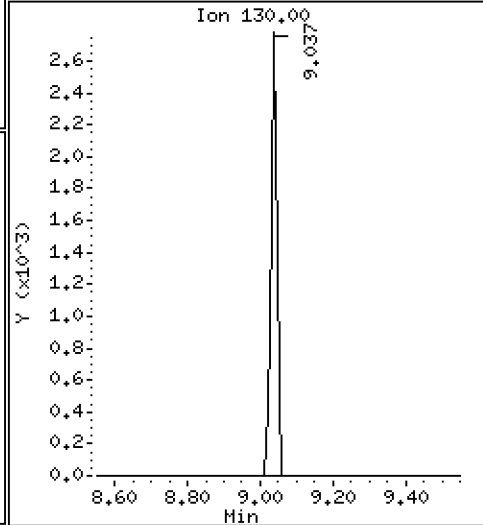
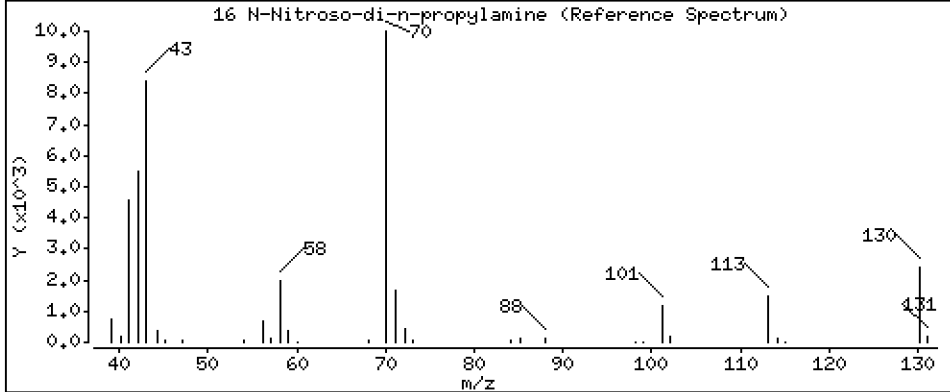
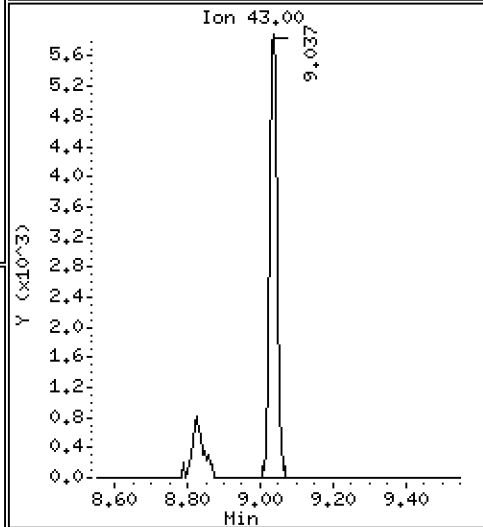
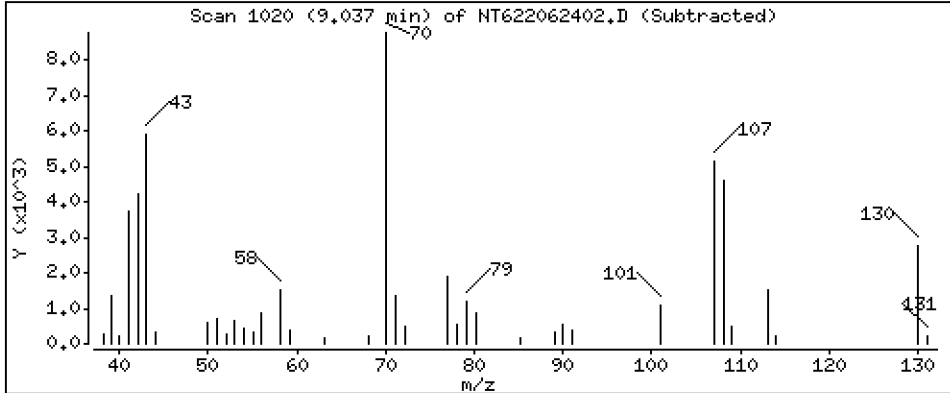
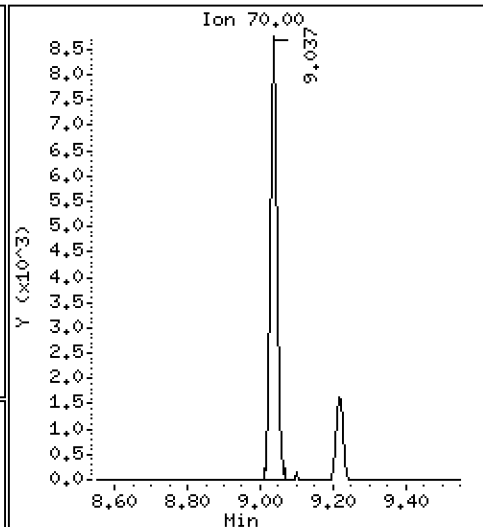
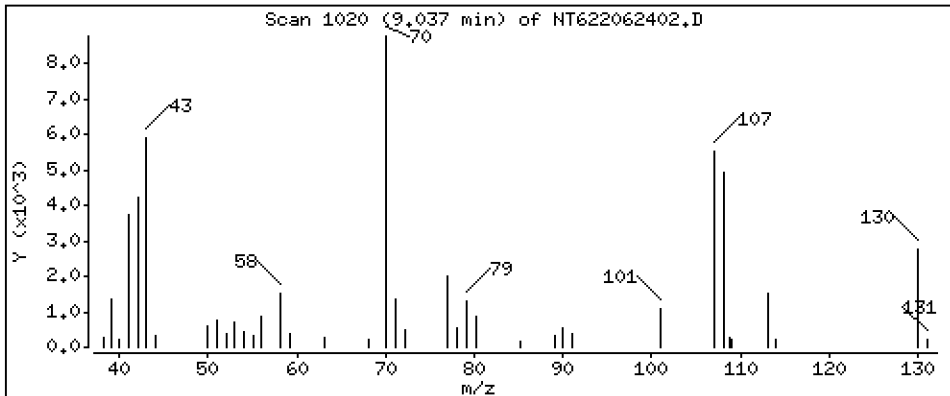
Operator: JZ

Column phase: ZB-5msi

Column diameter: 0.32

16 N-Nitroso-di-n-propylamine

Concentration: 5.098 ug/mL



Date : 24-JUN-2022 10:59

Client ID:

Instrument: nt6.i

Sample Info: LCV220624

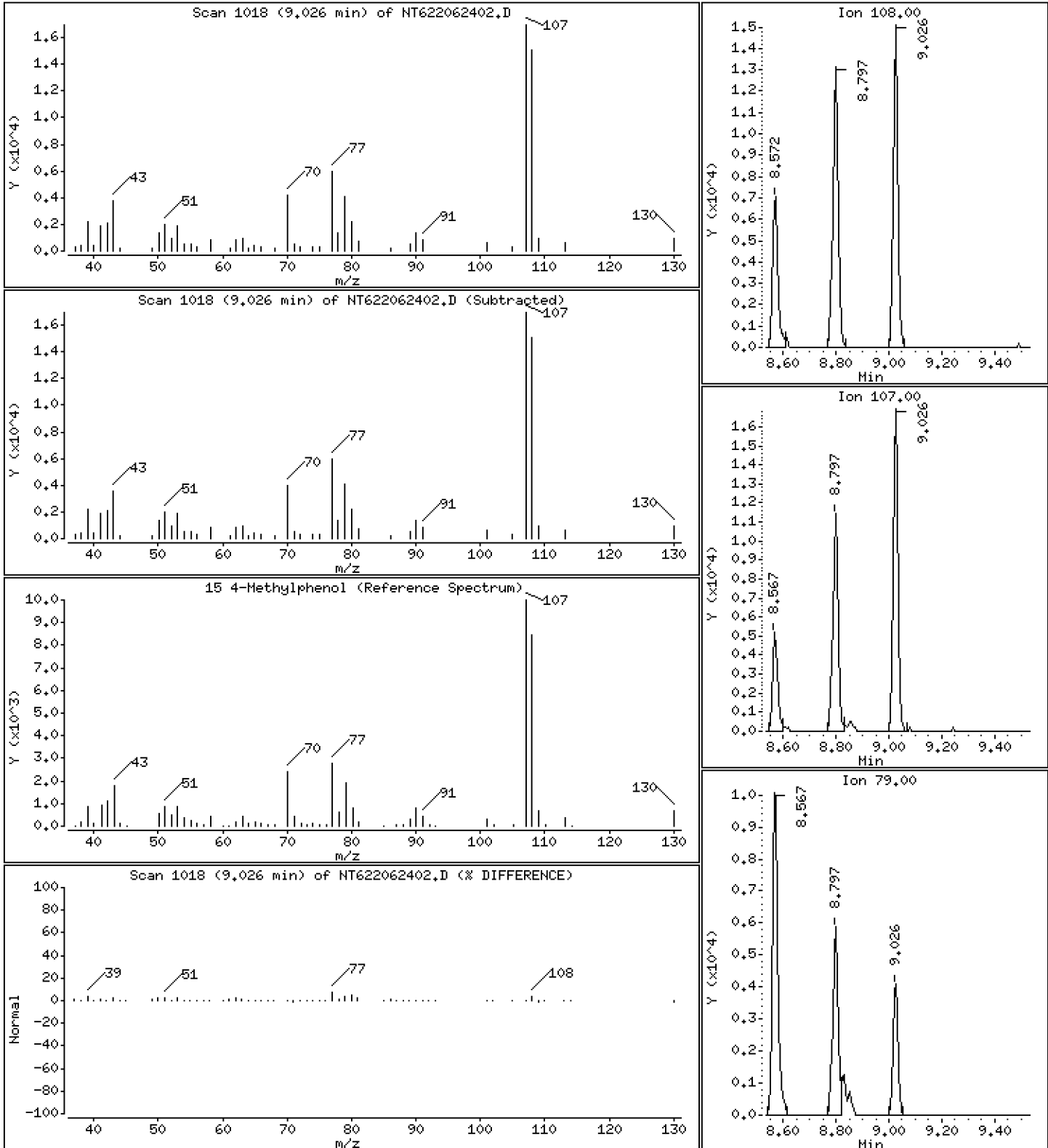
Operator: JZ

Column phase: ZB-5msi

Column diameter: 0.32

15 4-Methylphenol

Concentration: 5.116 ug/mL



Date : 24-JUN-2022 10:59

Client ID:

Instrument: nt6.i

Sample Info: LCV220624

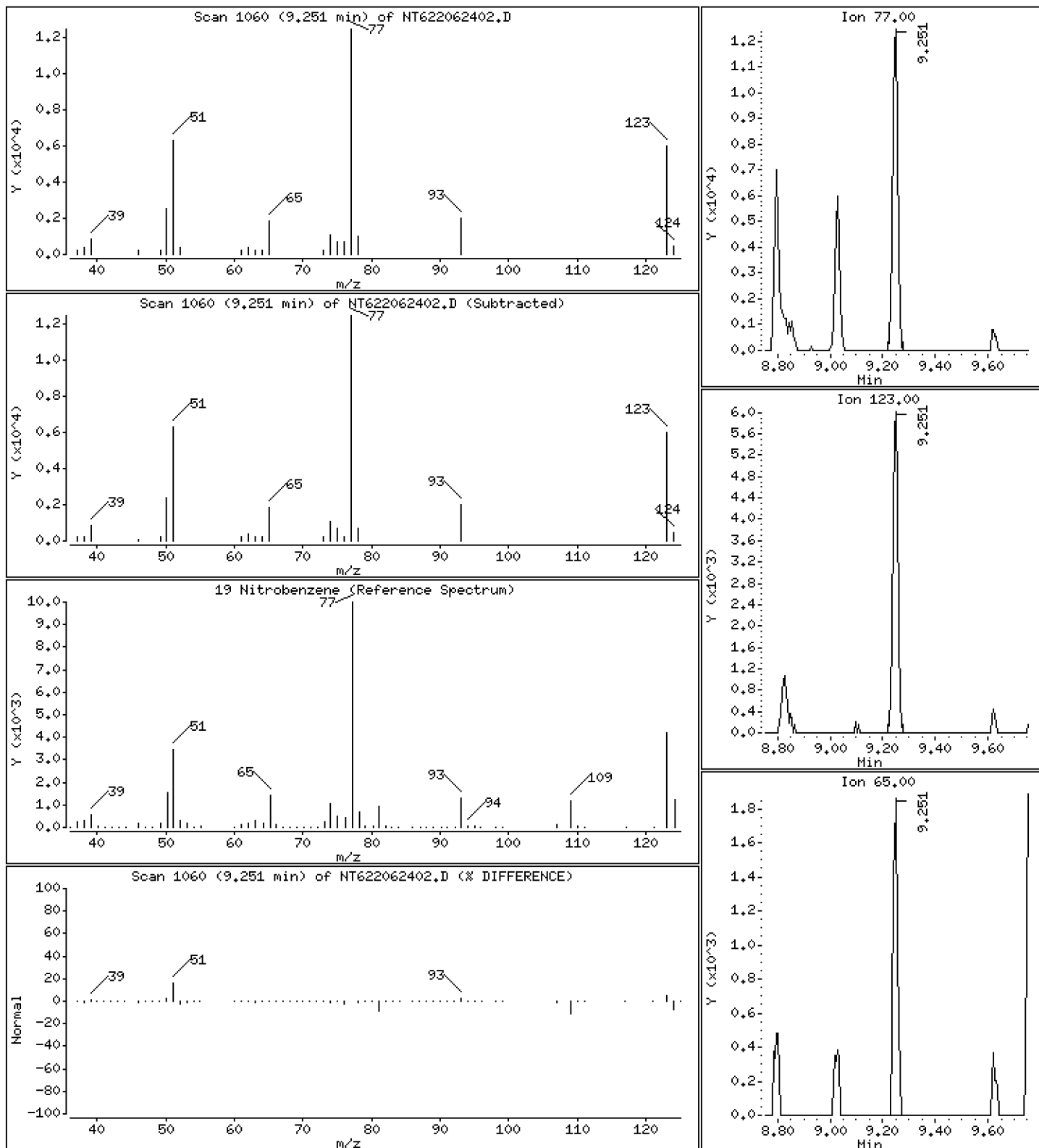
Operator: JZ

Column phase: ZB-5msi

Column diameter: 0.32

19 Nitrobenzene

Concentration: 5.094 ug/mL



Date : 24-JUN-2022 10:59

Client ID:

Instrument: nt6.i

Sample Info: LCV220624

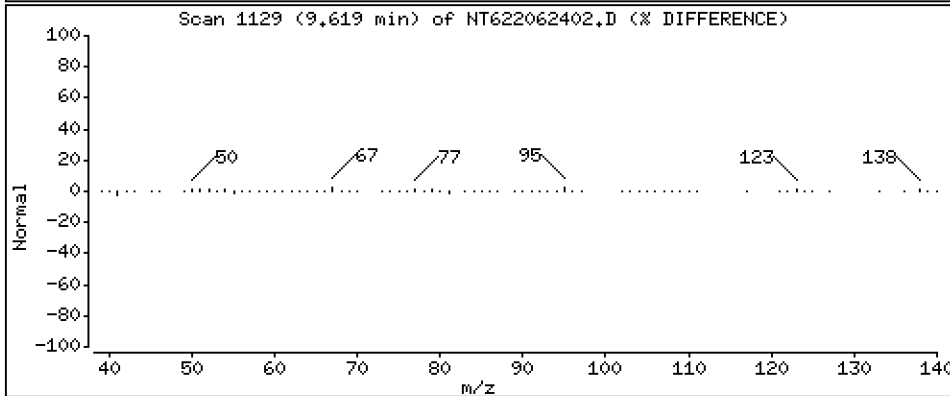
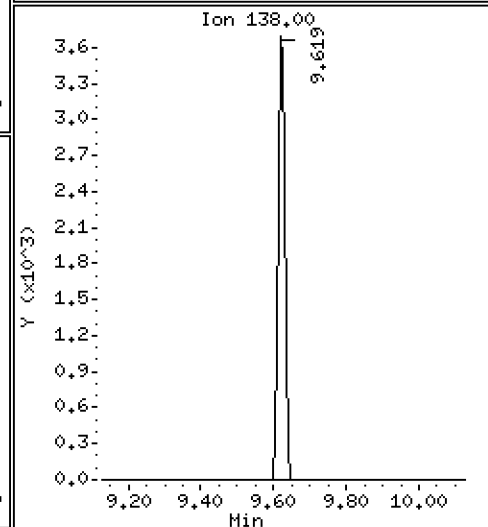
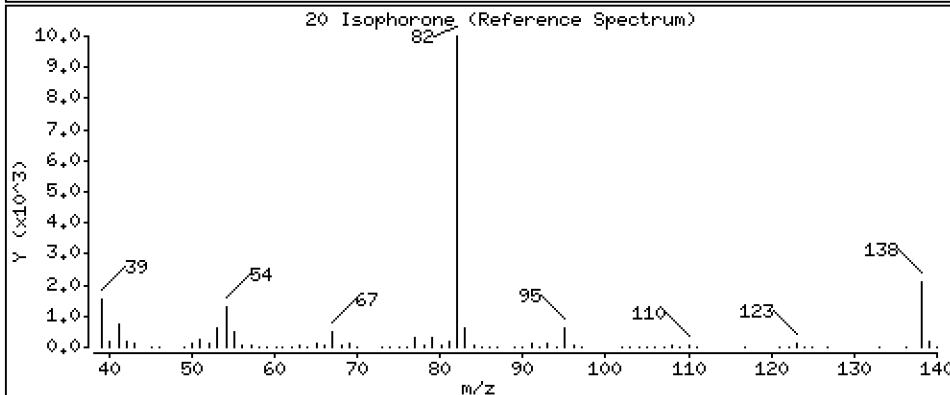
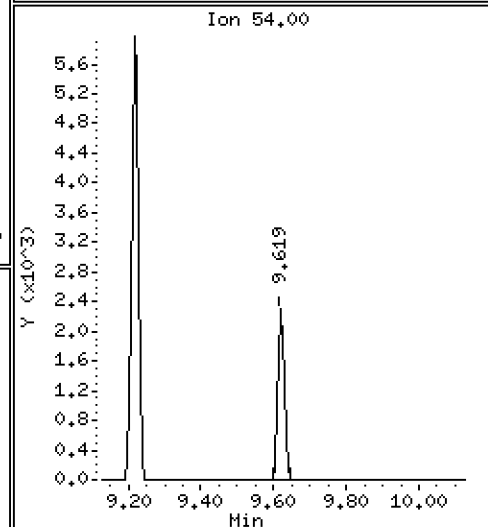
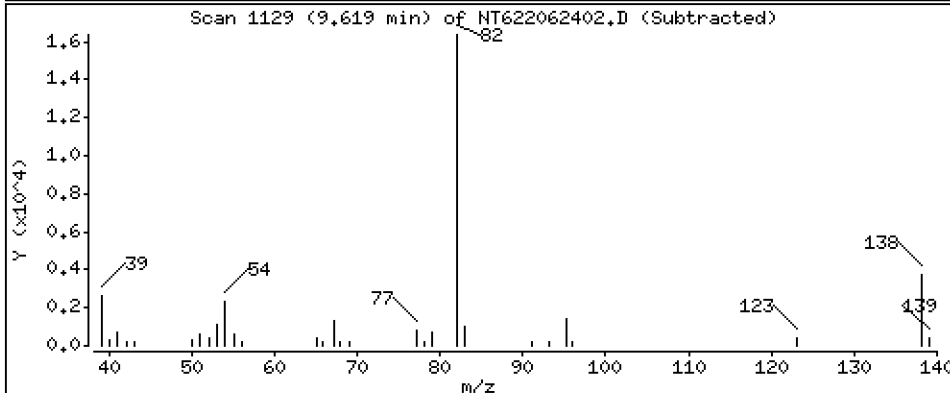
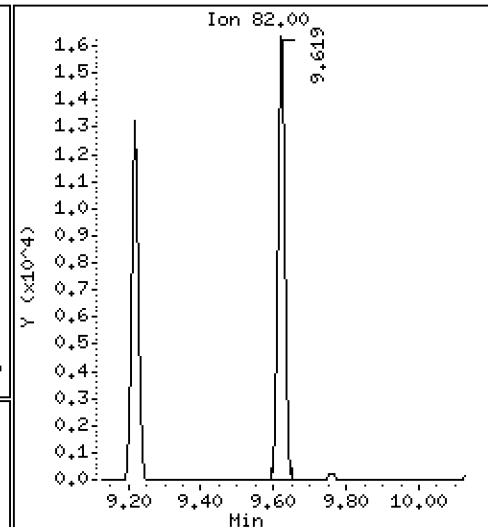
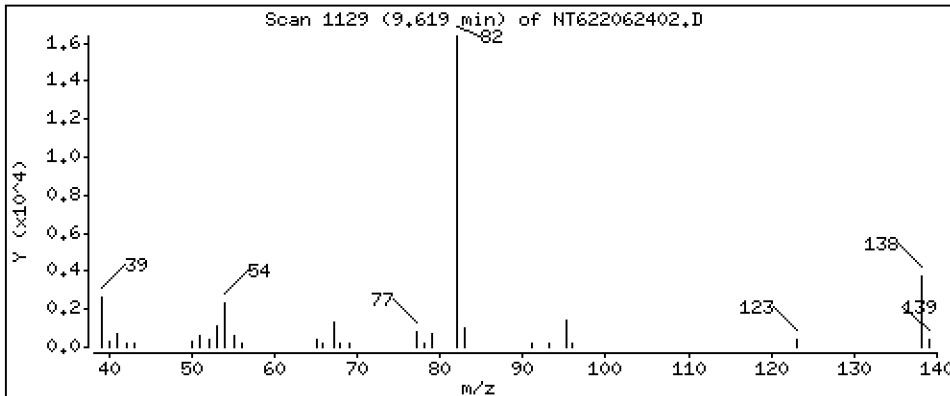
Operator: JZ

Column phase: ZB-5msi

Column diameter: 0.32

20 Isophorone

Concentration: 5.098 ug/mL



Date : 24-JUN-2022 10:59

Client ID:

Instrument: nt6.i

Sample Info: LCV220624

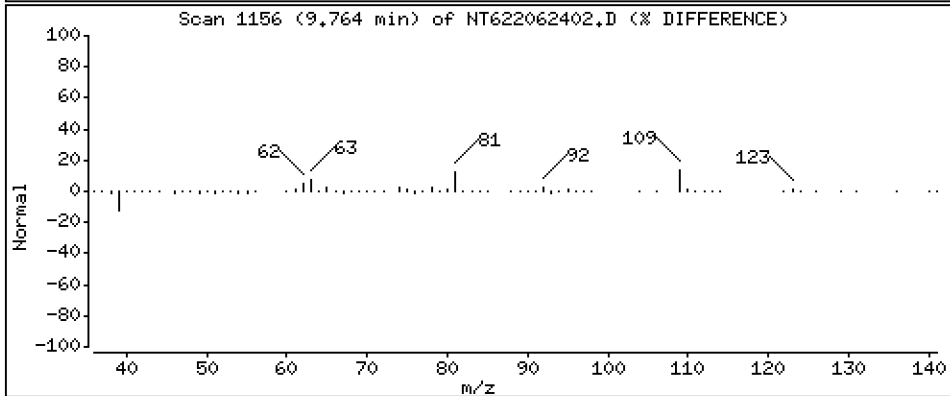
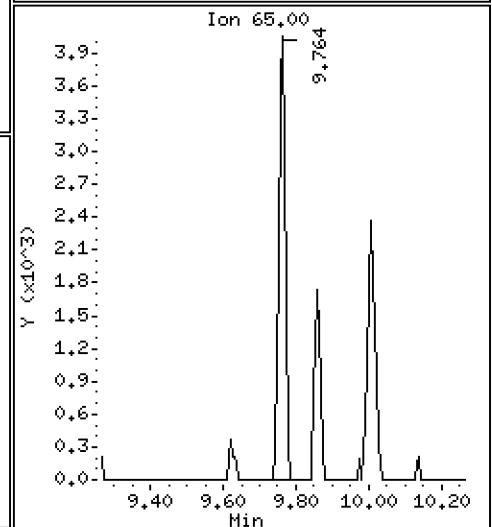
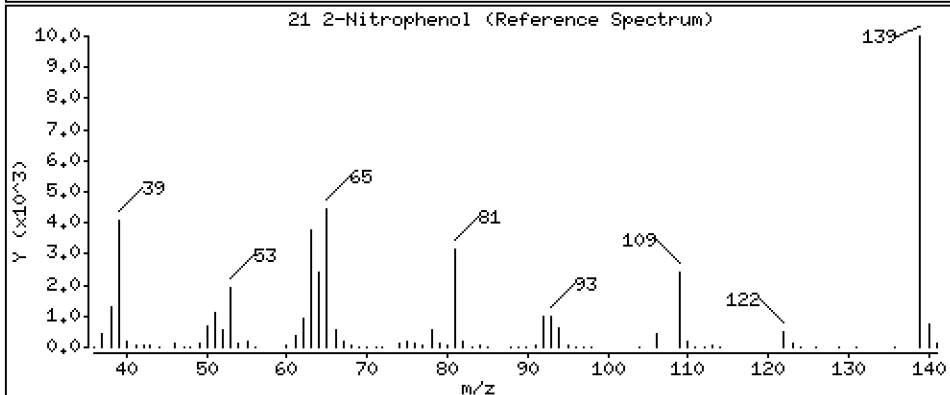
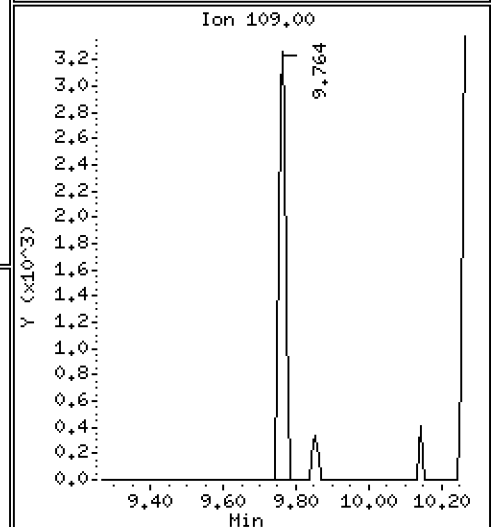
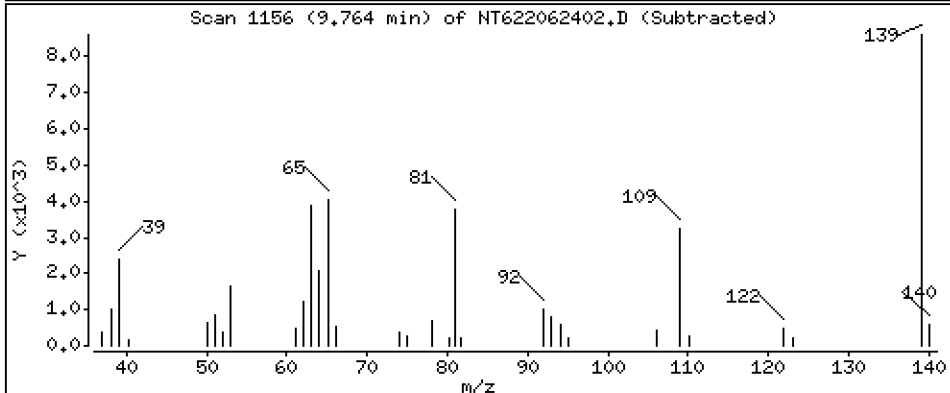
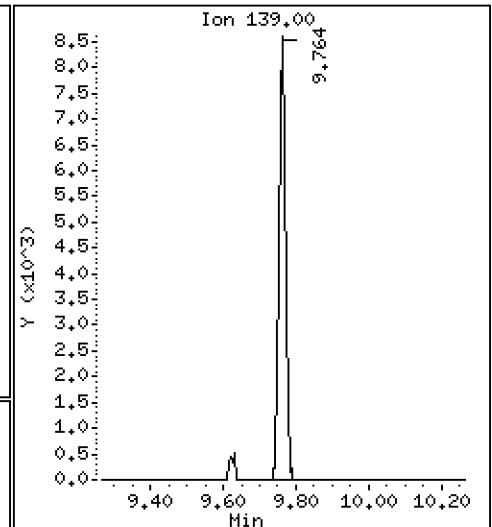
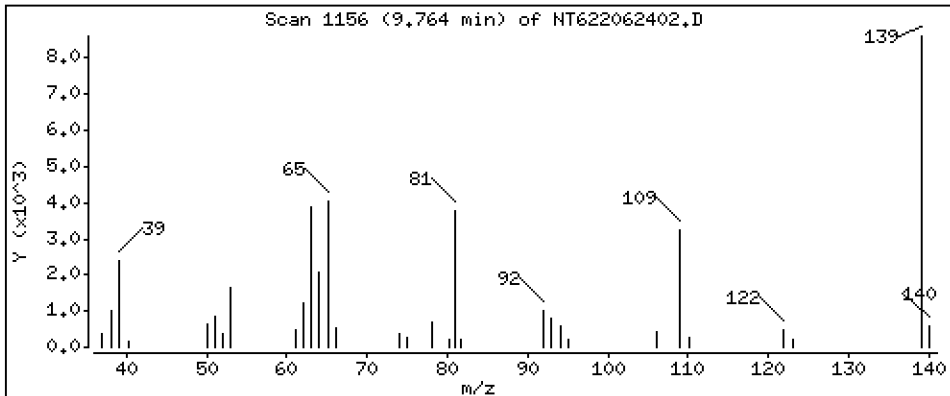
Operator: JZ

Column phase: ZB-5msi

Column diameter: 0.32

21 2-Nitrophenol

Concentration: 5,194 ug/mL



Date : 24-JUN-2022 10:59

Client ID:

Instrument: nt6.i

Sample Info: LCV220624

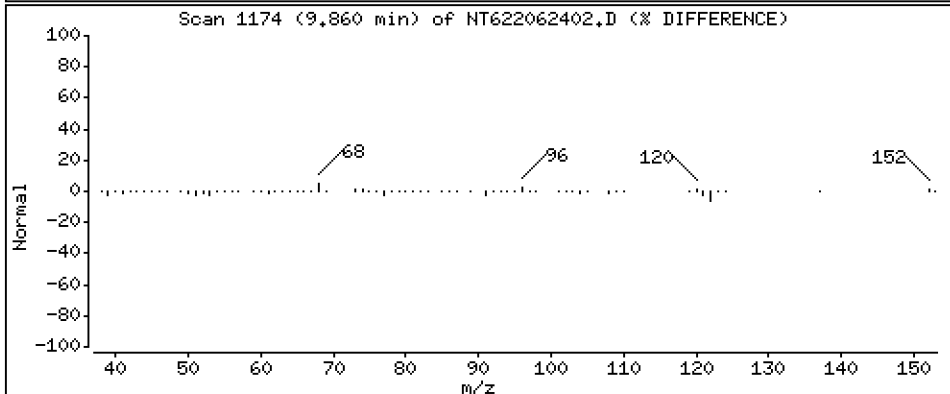
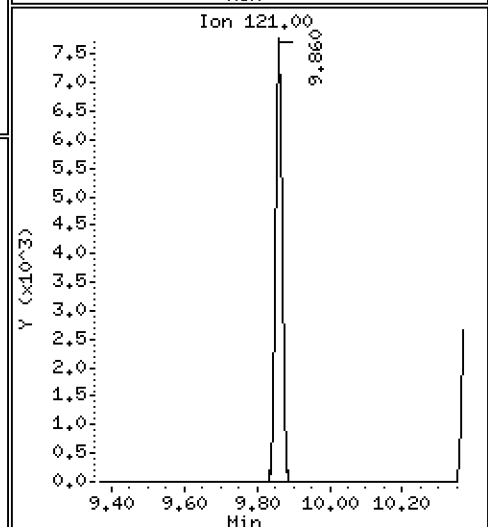
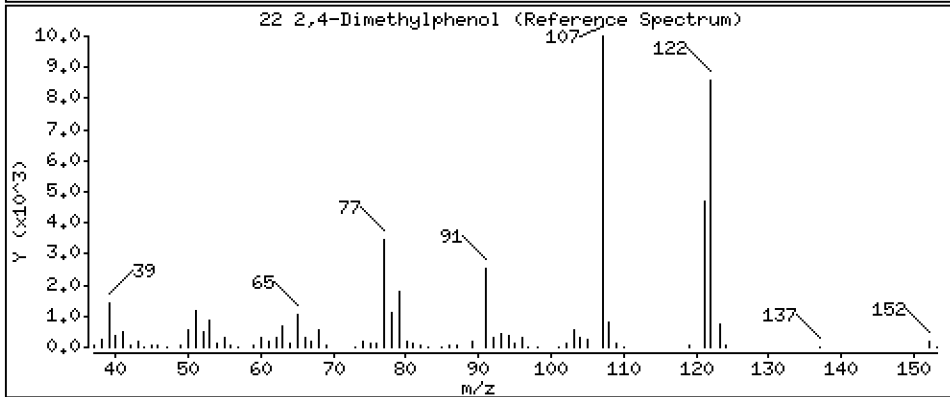
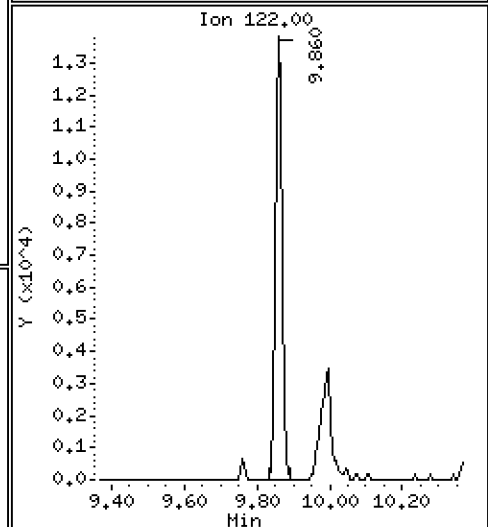
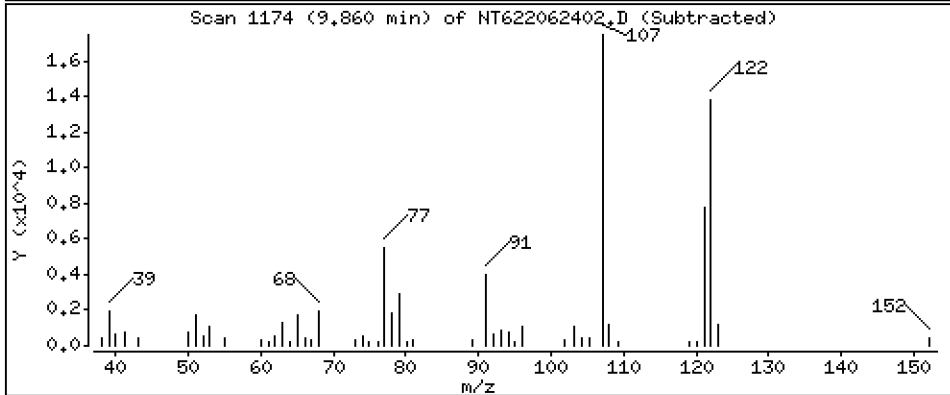
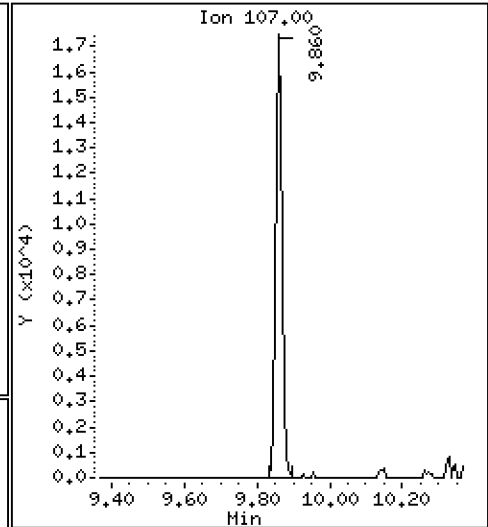
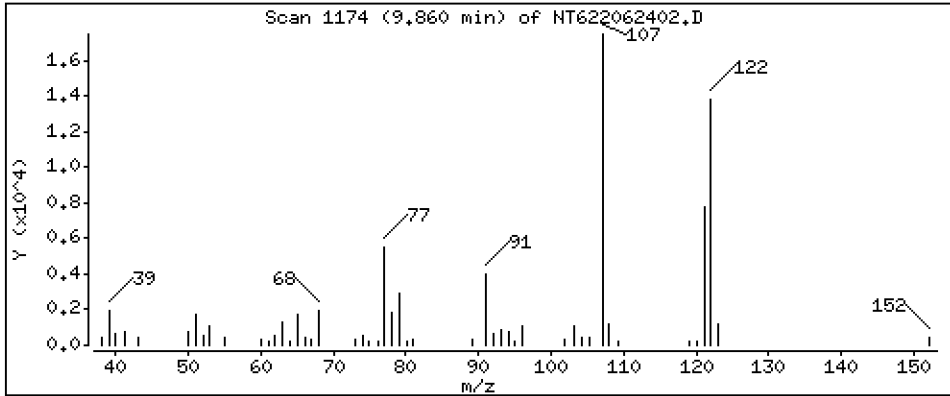
Operator: JZ

Column phase: ZB-5msi

Column diameter: 0.32

22 2,4-Dimethylphenol

Concentration: 5.452 ug/mL



Date : 24-JUN-2022 10:59

Client ID:

Instrument: nt6.i

Sample Info: LCV220624

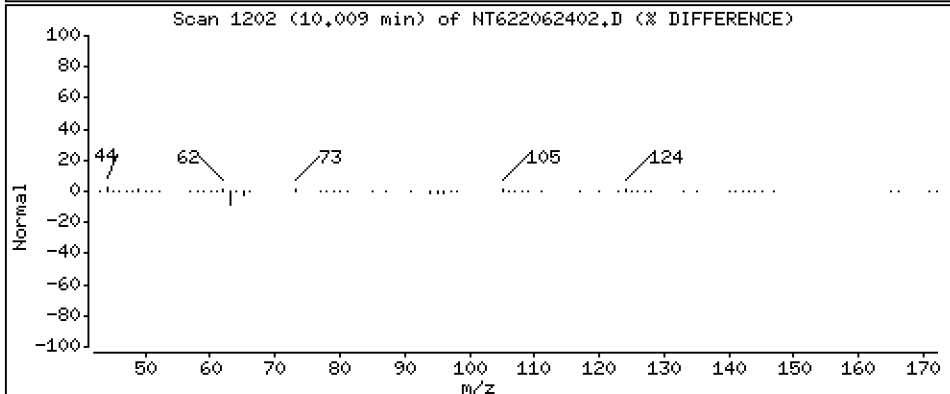
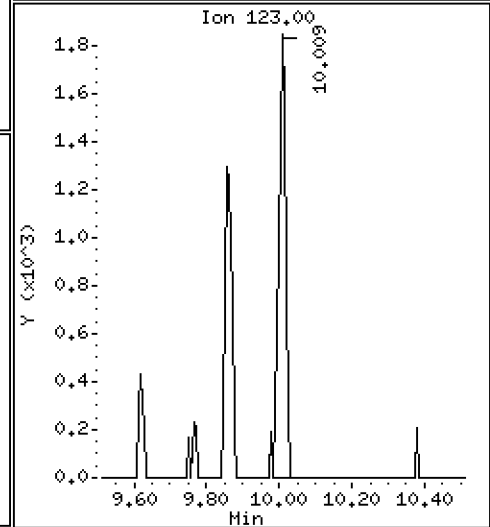
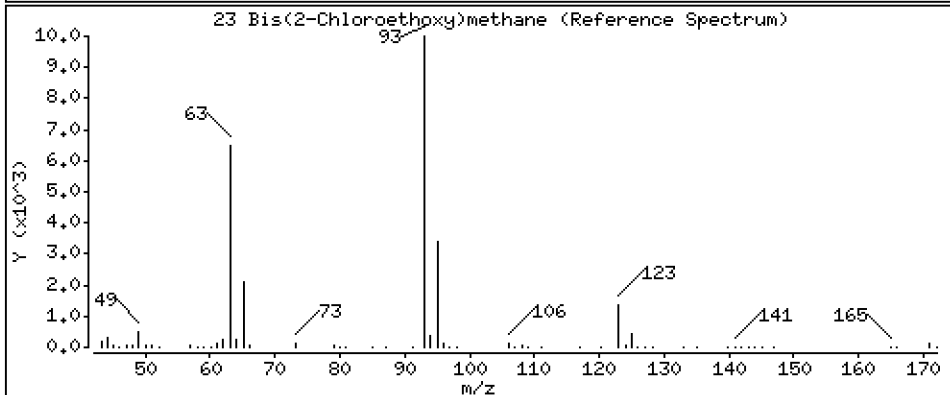
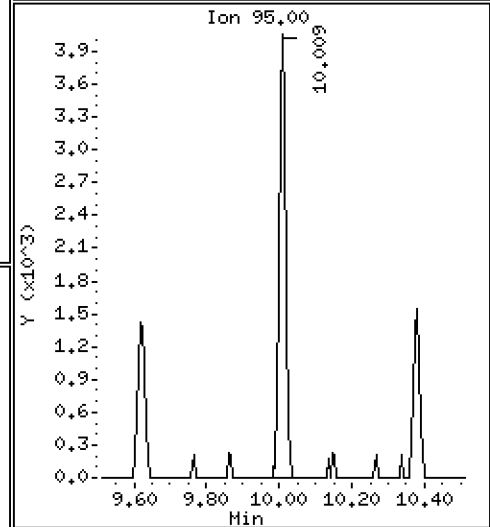
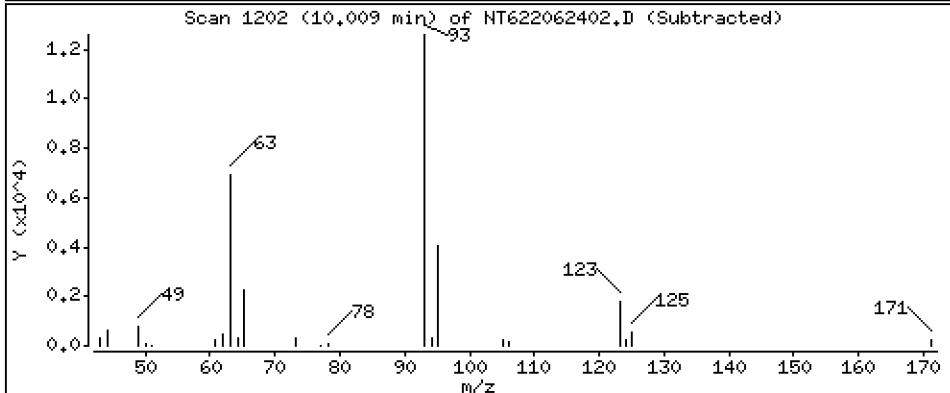
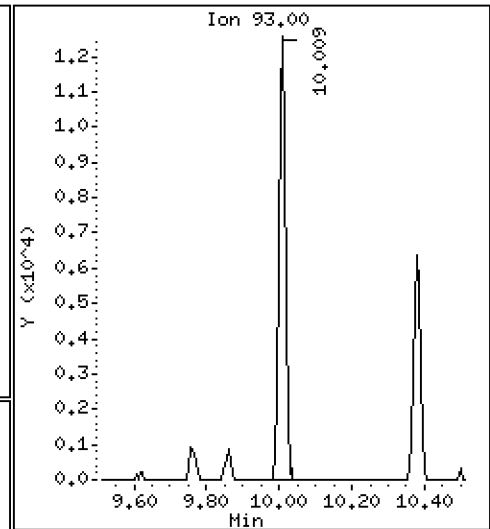
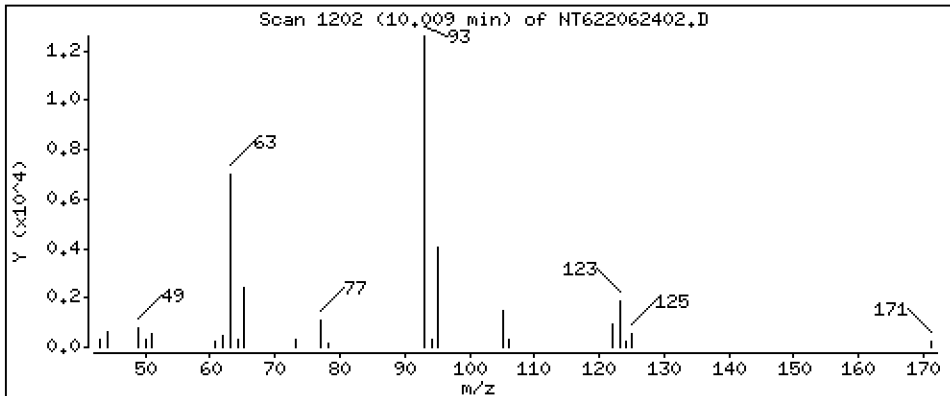
Operator: JZ

Column phase: ZB-5msi

Column diameter: 0.32

23 Bis(2-Chloroethoxy)methane

Concentration: 5.136 ug/mL



Date : 24-JUN-2022 10:59

Client ID:

Instrument: nt6.i

Sample Info: LCV220624

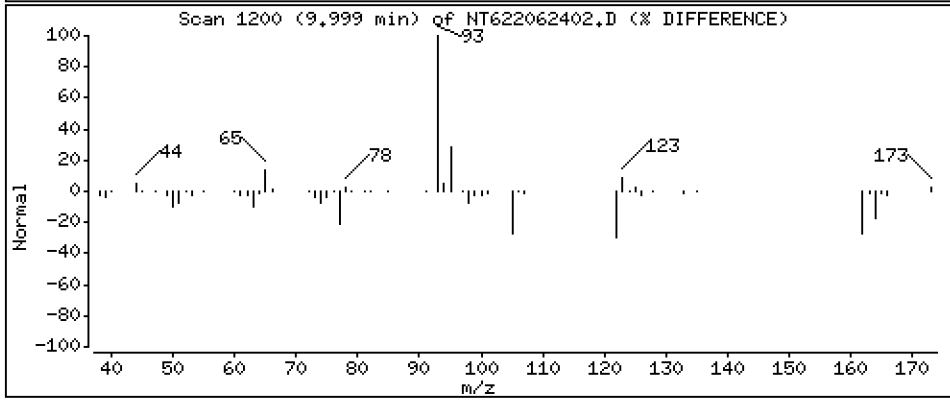
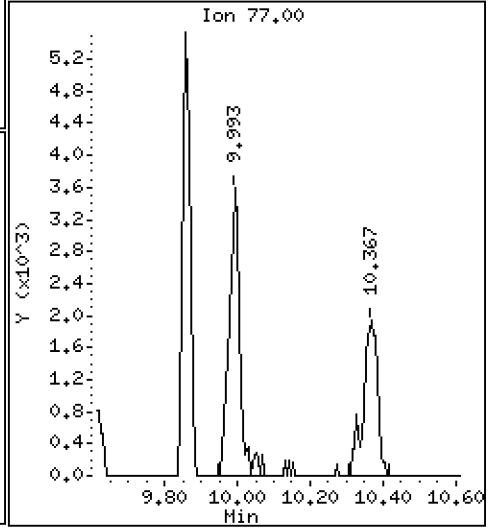
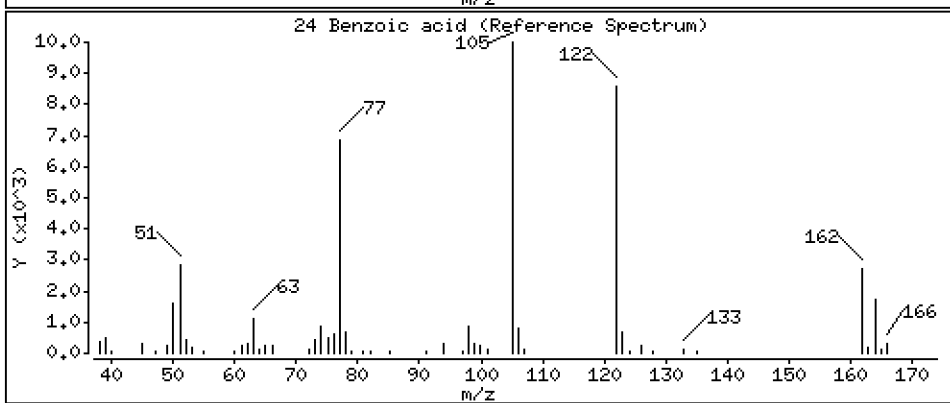
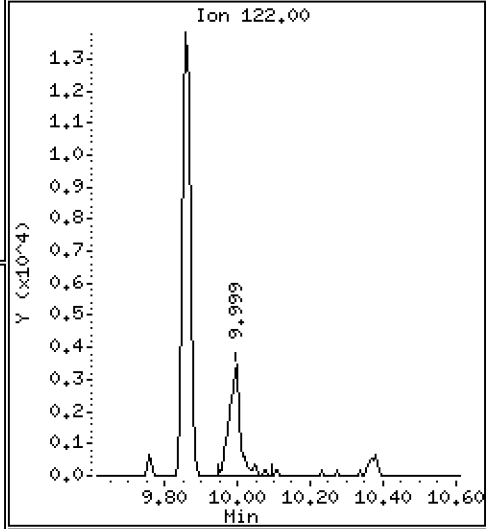
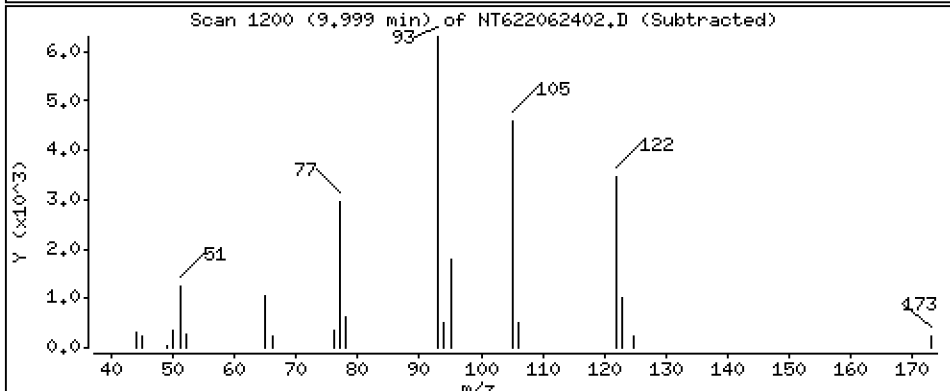
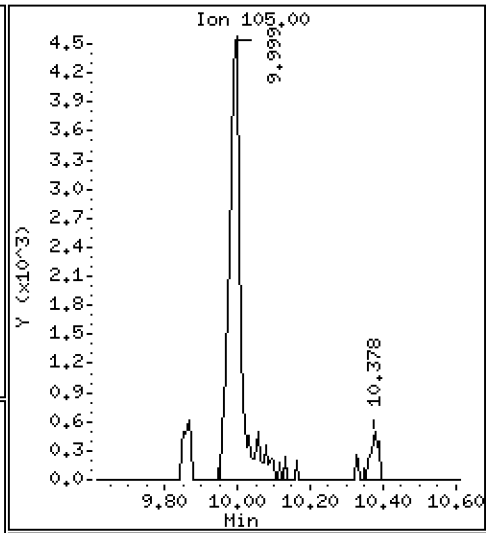
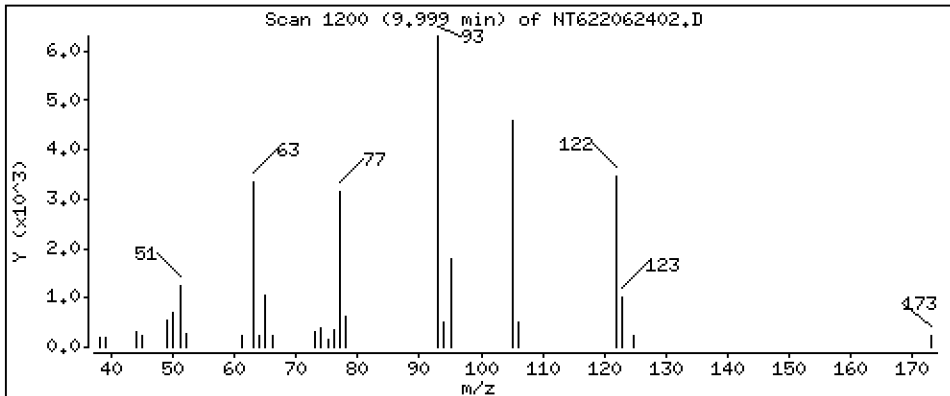
Operator: JZ

Column phase: ZB-5msi

Column diameter: 0.32

24 Benzoic acid

Concentration: 4.198 ug/mL



Date : 24-JUN-2022 10:59

Client ID:

Instrument: nt6.i

Sample Info: LCV220624

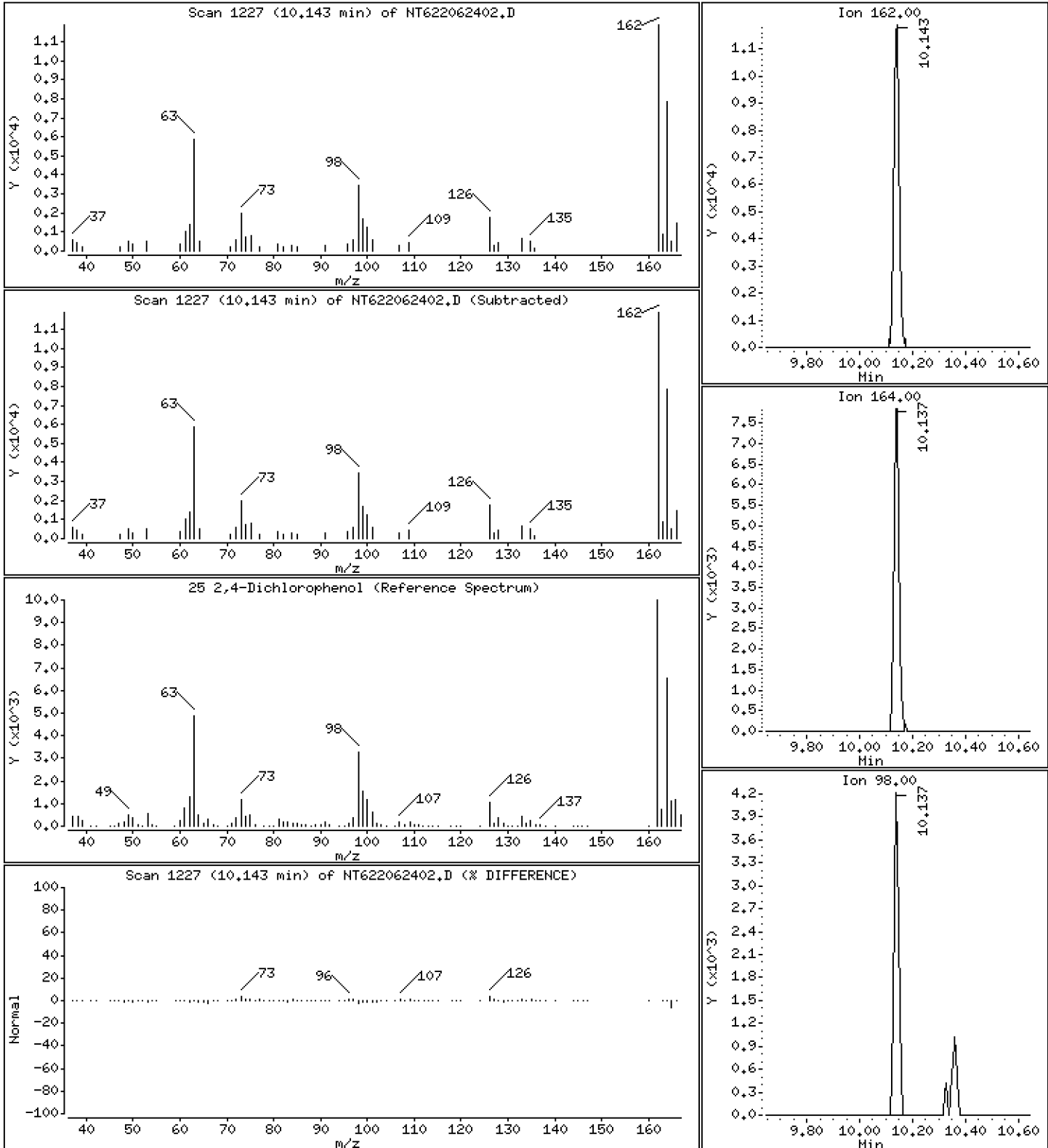
Operator: JZ

Column phase: ZB-5msi

Column diameter: 0,32

25 2,4-Dichlorophenol

Concentration: 5,254 ug/mL



Date : 24-JUN-2022 10:59

Client ID:

Instrument: nt6.i

Sample Info: LCV220624

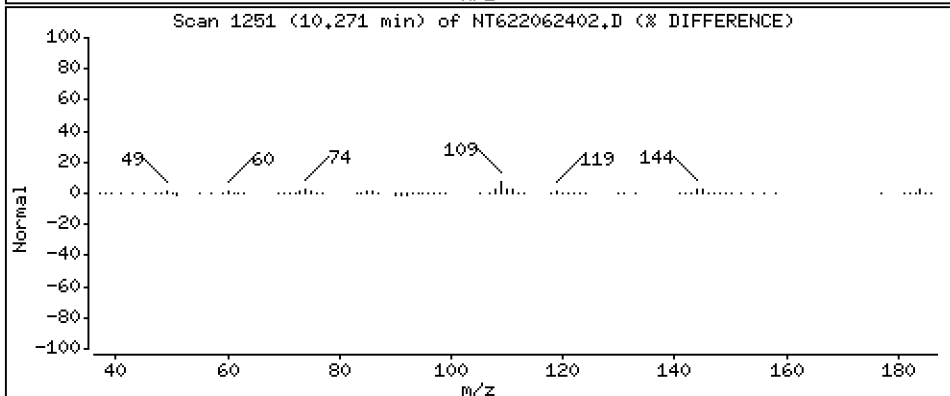
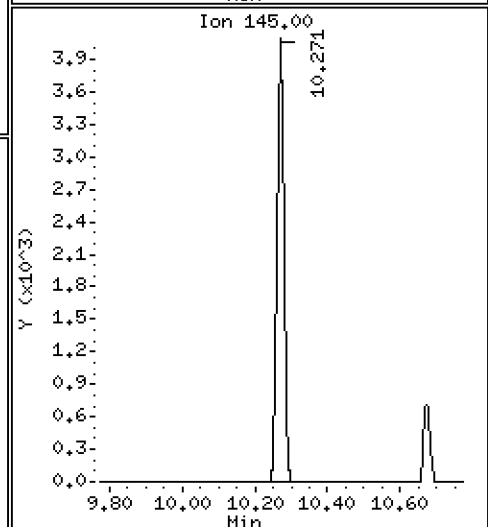
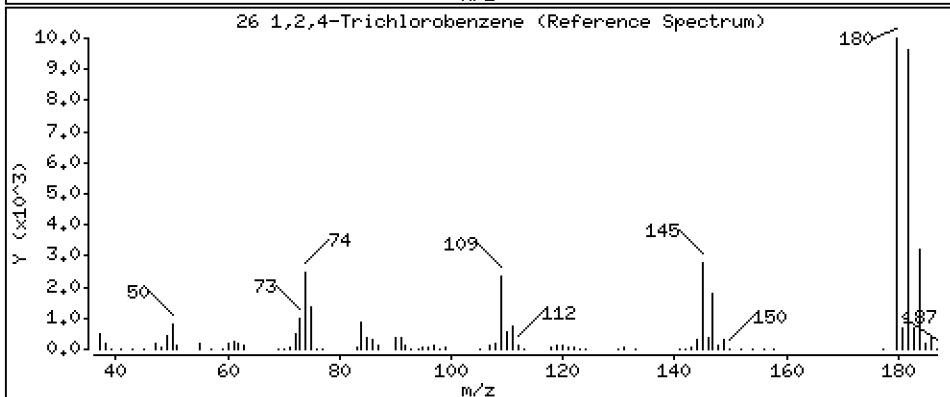
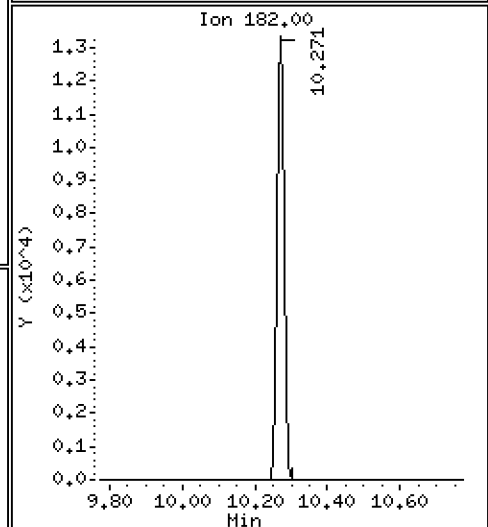
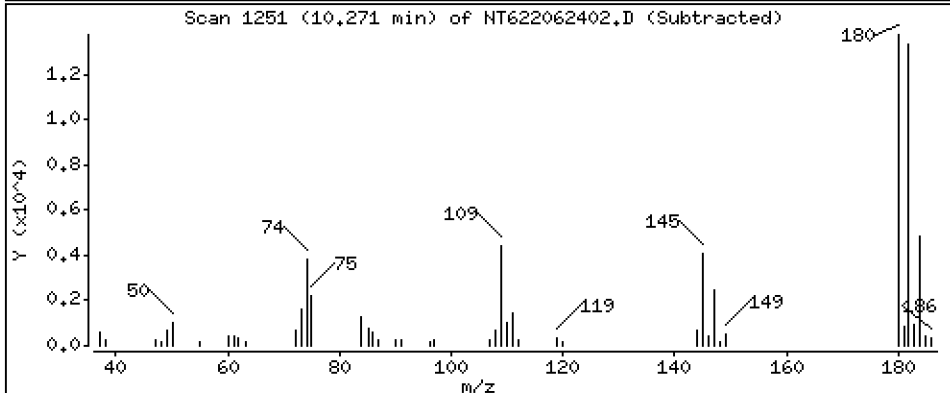
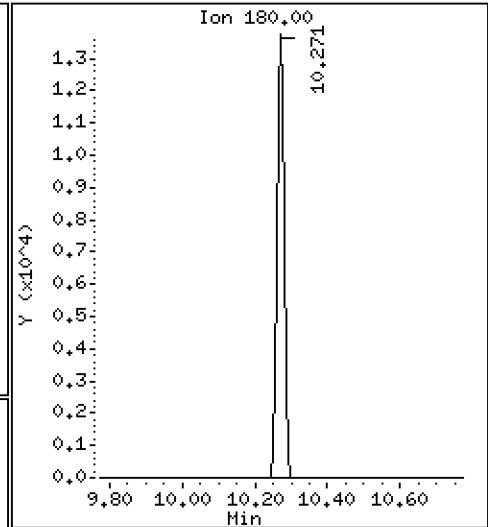
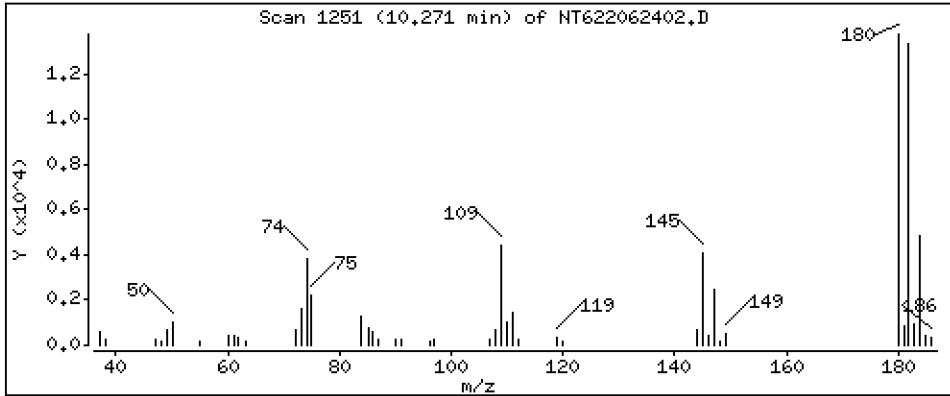
Operator: JZ

Column phase: ZB-5msi

Column diameter: 0.32

26 1,2,4-Trichlorobenzene

Concentration: 5.189 ug/mL



Date : 24-JUN-2022 10:59

Client ID:

Instrument: nt6.i

Sample Info: LCV220624

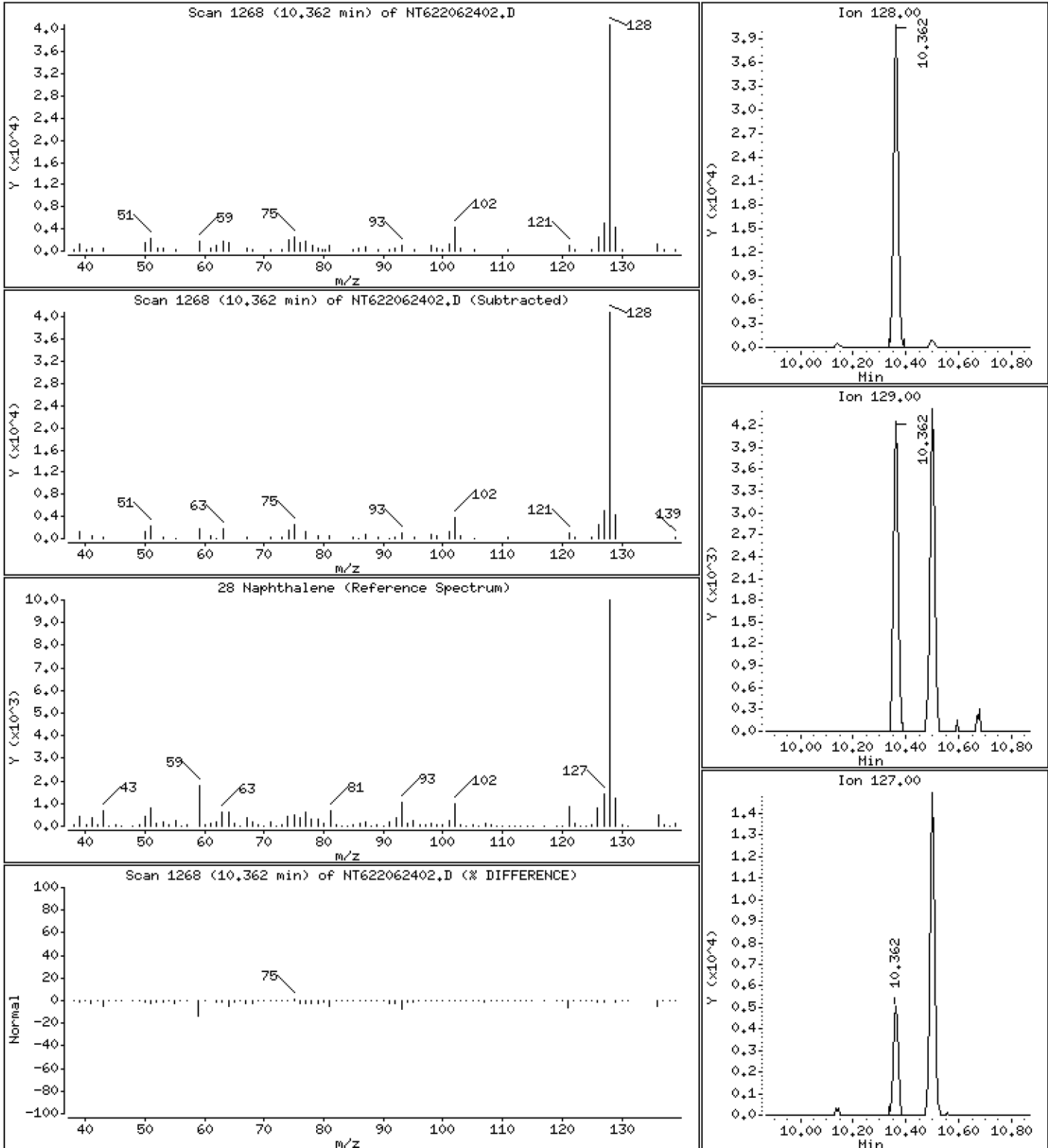
Operator: JZ

Column phase: ZB-5msi

Column diameter: 0.32

28 Naphthalene

Concentration: 5.093 ug/mL



Date : 24-JUN-2022 10:59

Client ID:

Instrument: nt6.i

Sample Info: LCV220624

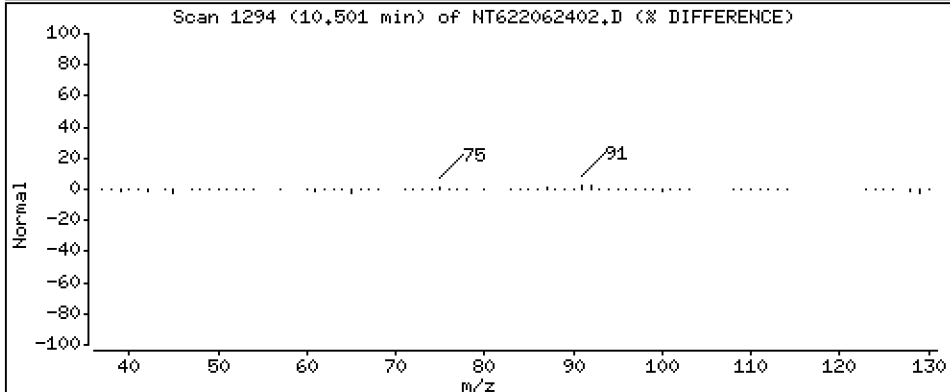
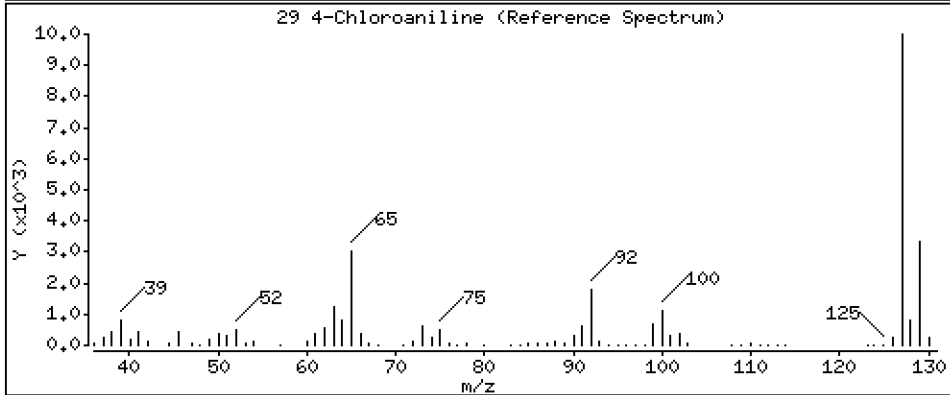
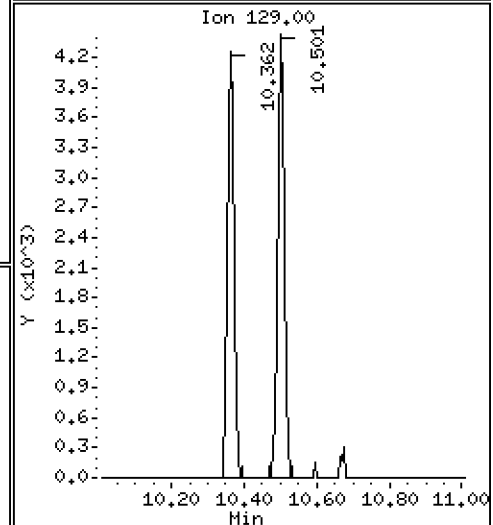
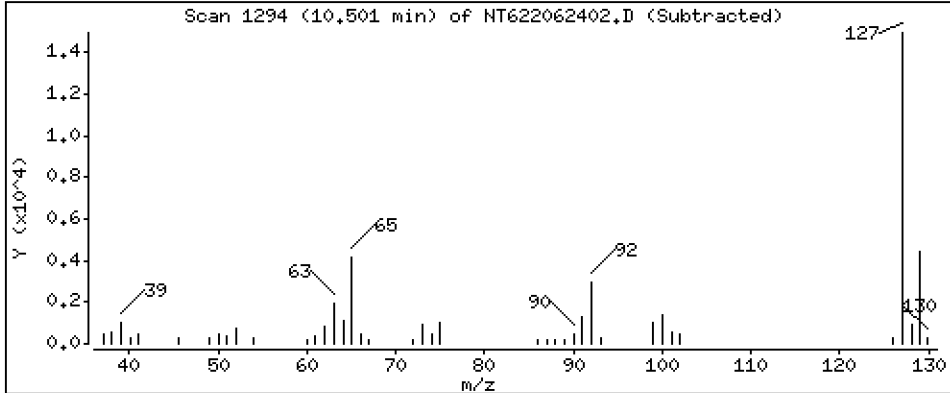
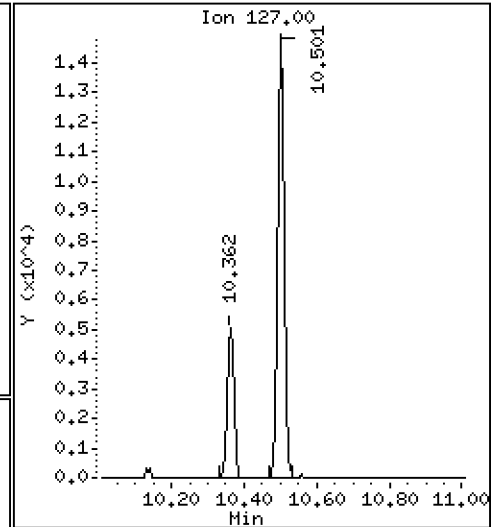
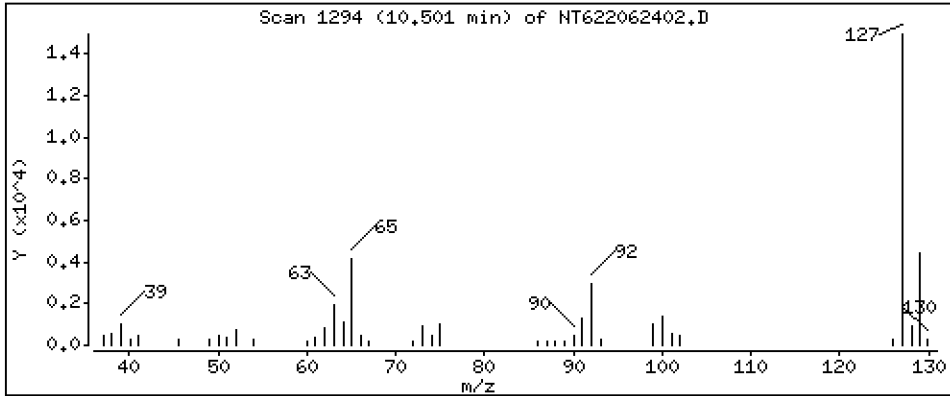
Operator: JZ

Column phase: ZB-5msi

Column diameter: 0.32

29 4-Chloroaniline

Concentration: 4.642 ug/mL



Date : 24-JUN-2022 10:59

Client ID:

Instrument: nt6.i

Sample Info: LCV220624

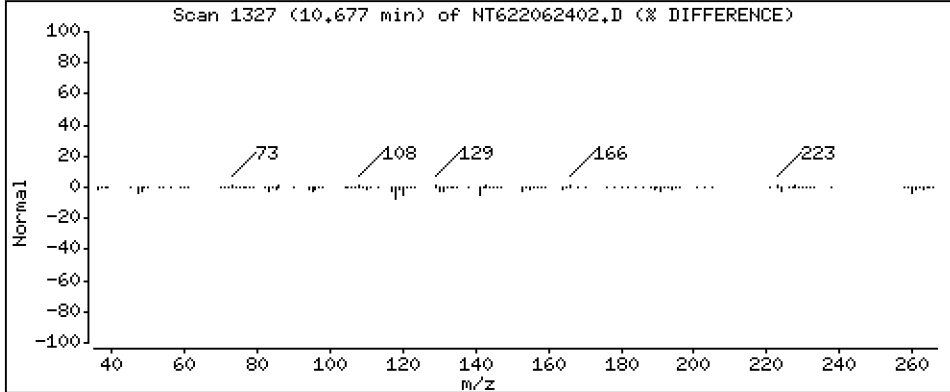
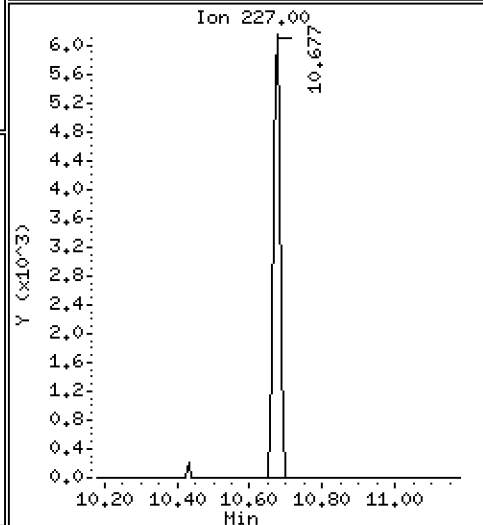
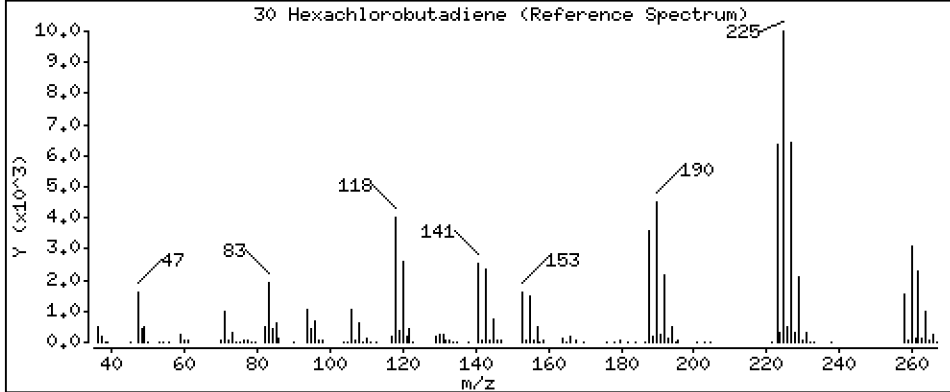
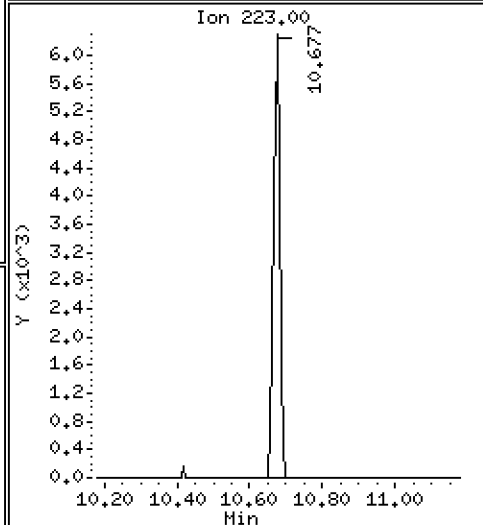
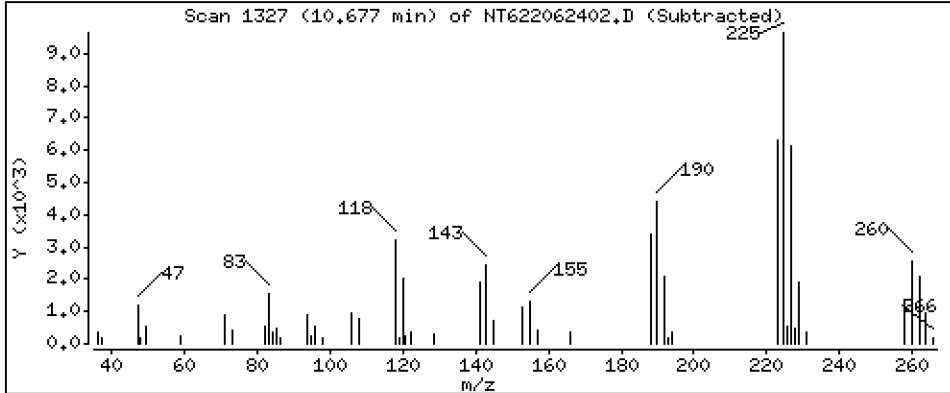
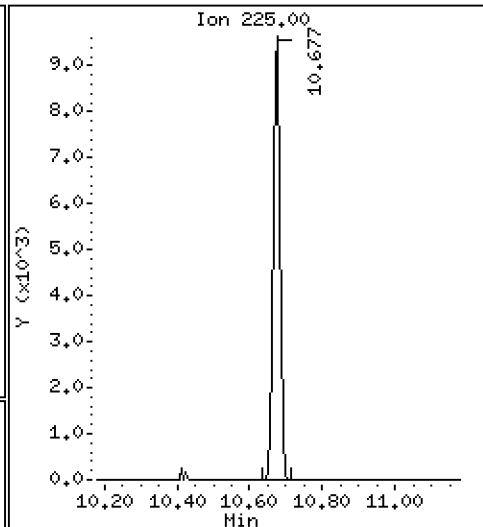
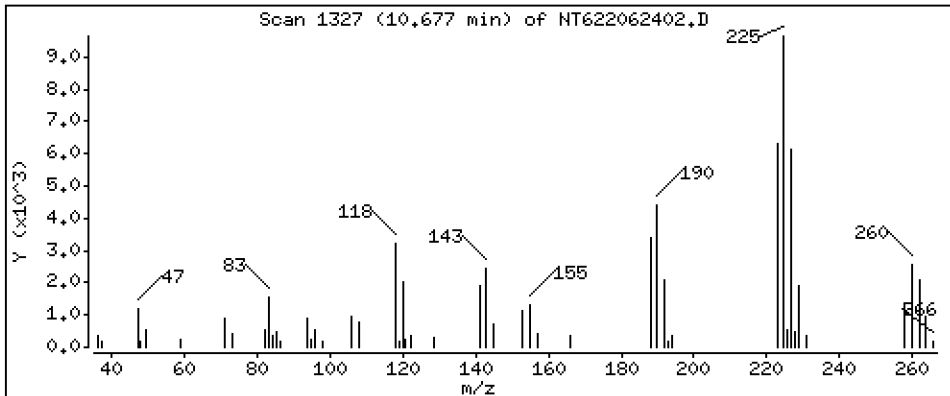
Operator: JZ

Column phase: ZB-5msi

Column diameter: 0.32

30 Hexachlorobutadiene

Concentration: 5.325 ug/mL



Date : 24-JUN-2022 10:59

Client ID:

Instrument: nt6.i

Sample Info: LCV220624

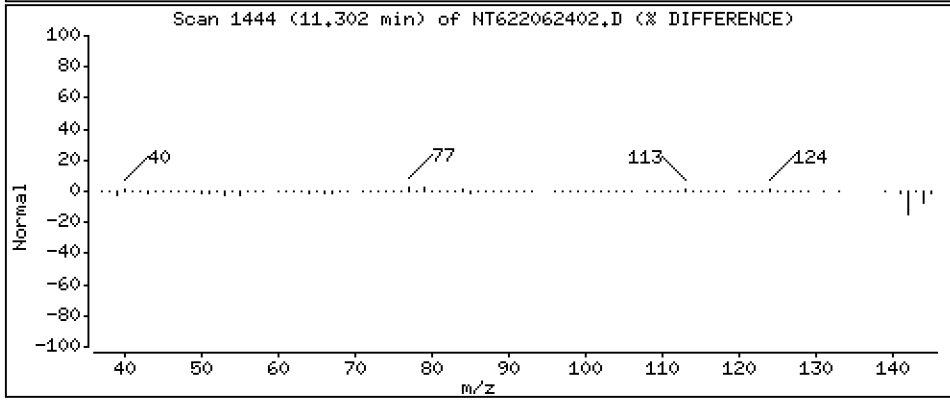
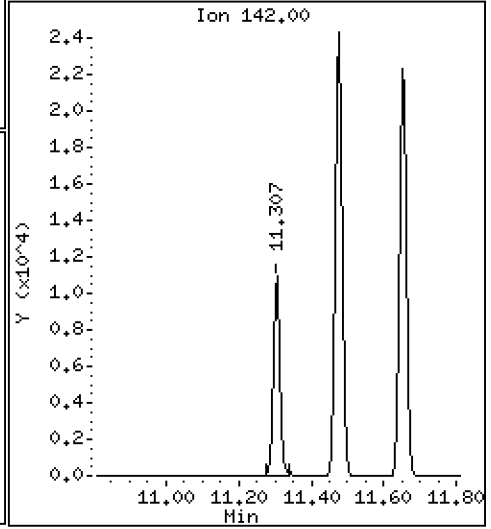
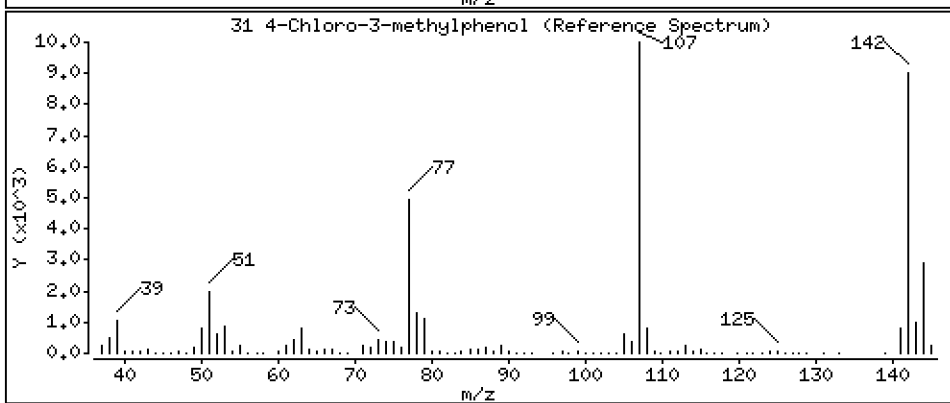
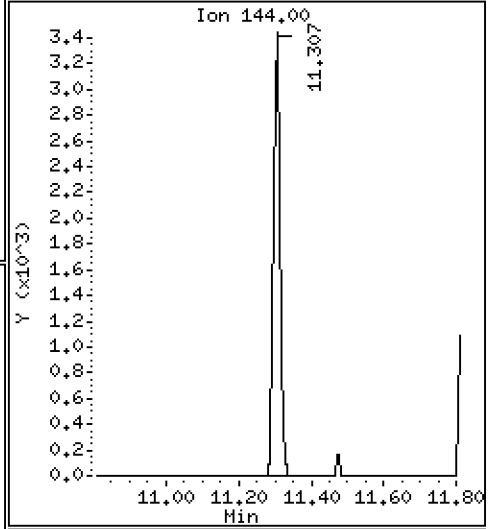
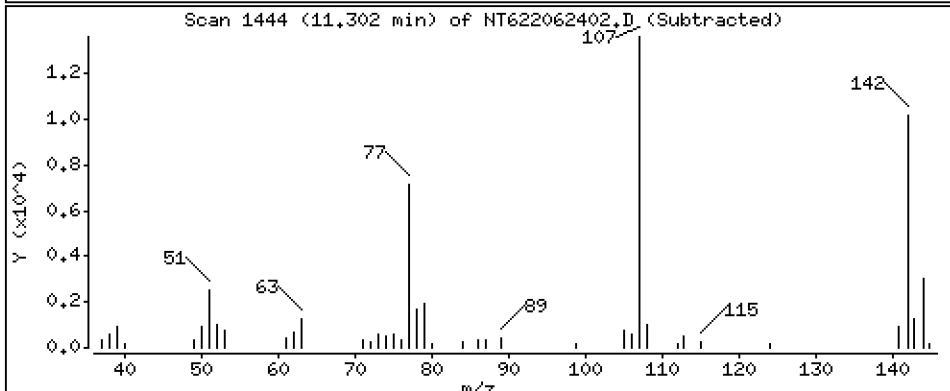
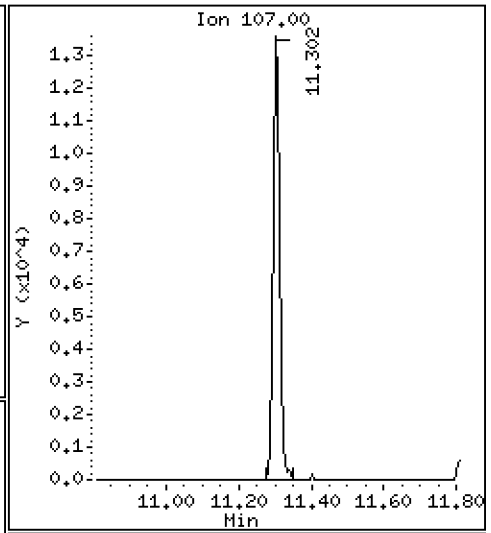
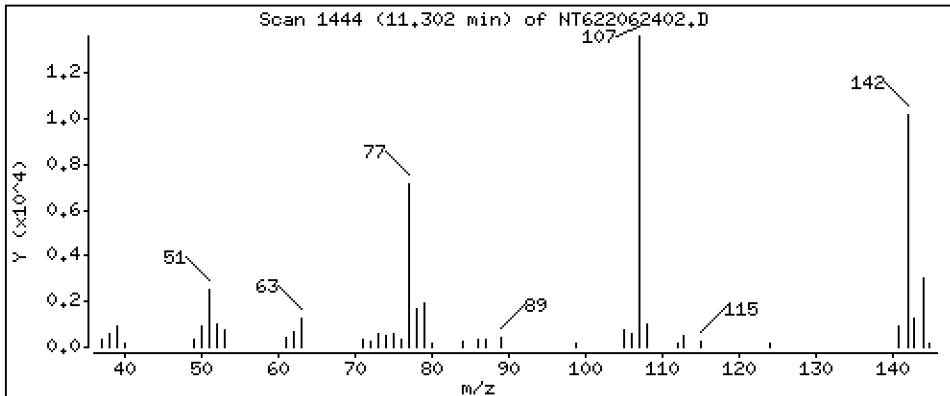
Operator: JZ

Column phase: ZB-5msi

Column diameter: 0.32

31 4-Chloro-3-methylphenol

Concentration: 5.288 ug/mL



Date : 24-JUN-2022 10:59

Client ID:

Instrument: nt6.i

Sample Info: LCV220624

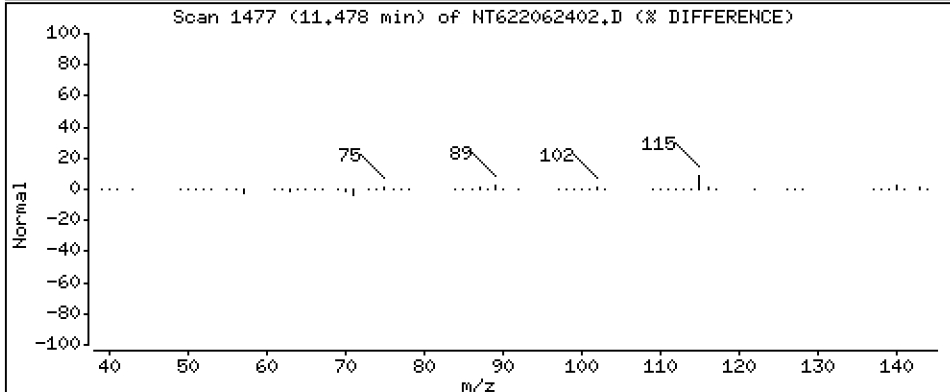
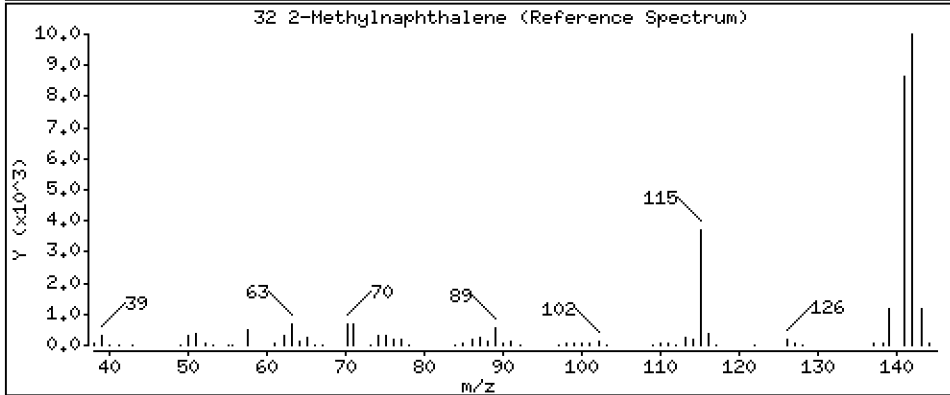
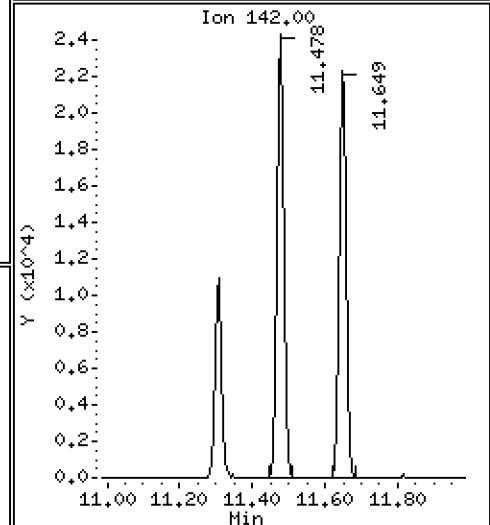
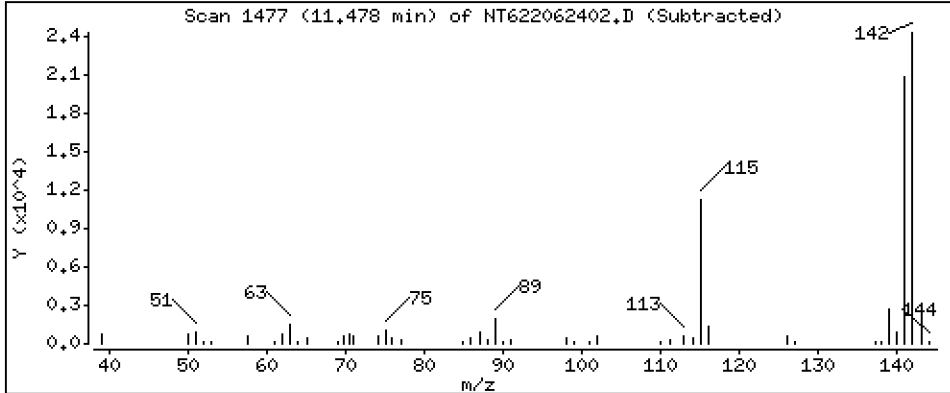
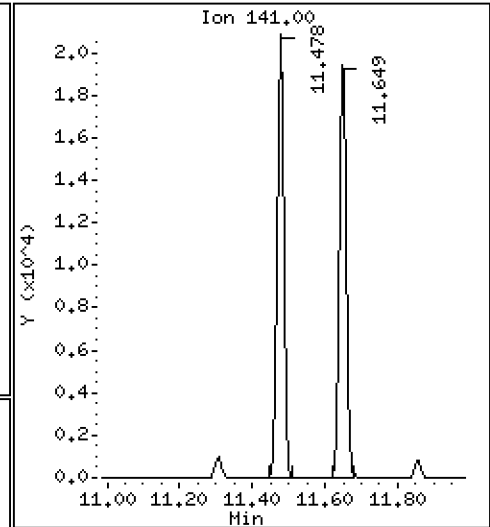
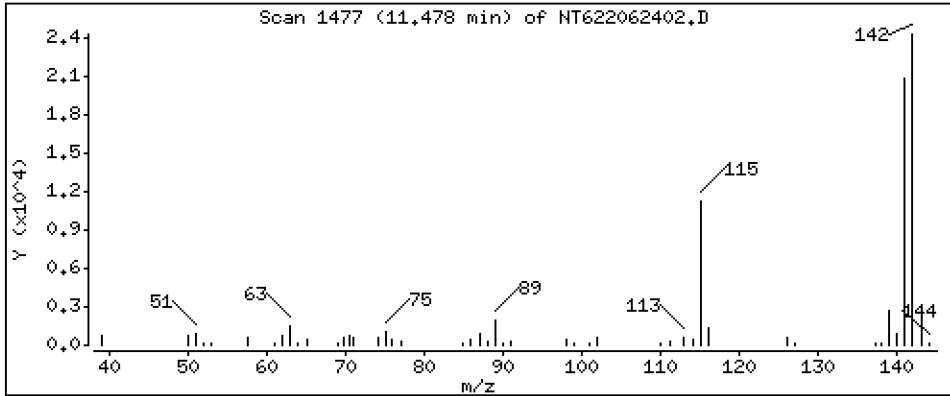
Operator: JZ

Column phase: ZB-5msi

Column diameter: 0.32

32 2-Methylnaphthalene

Concentration: 4.784 ug/mL



Date : 24-JUN-2022 10:59

Client ID:

Instrument: nt6.i

Sample Info: LCV220624

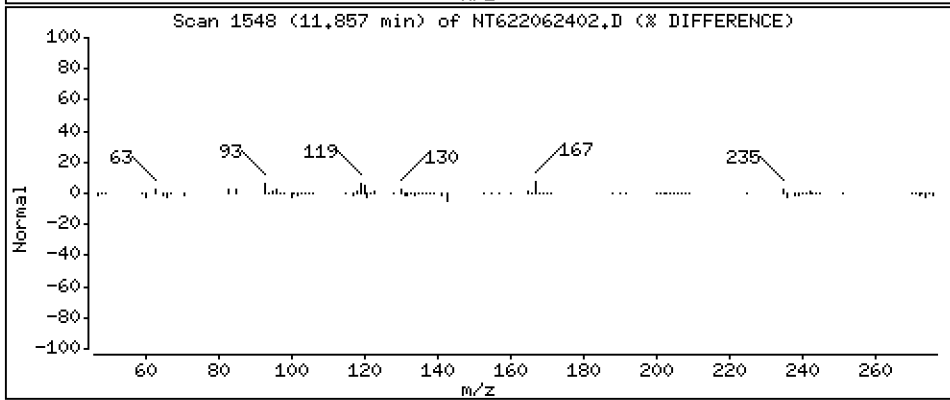
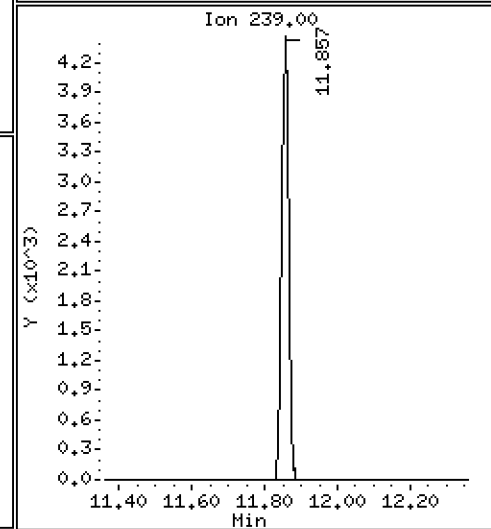
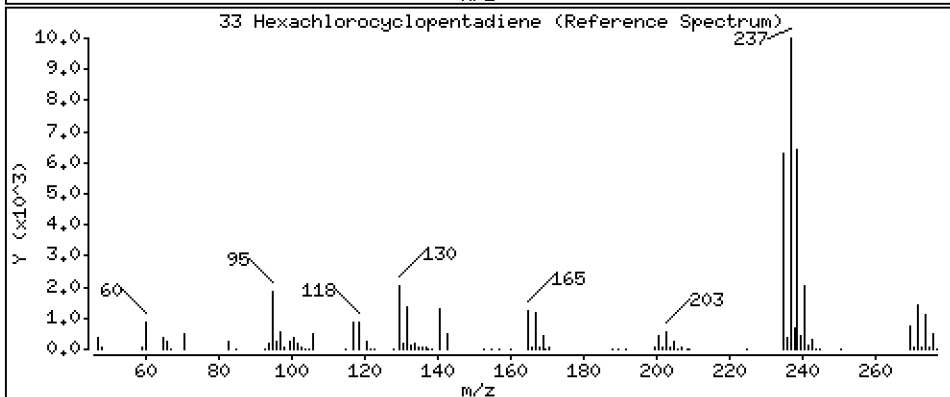
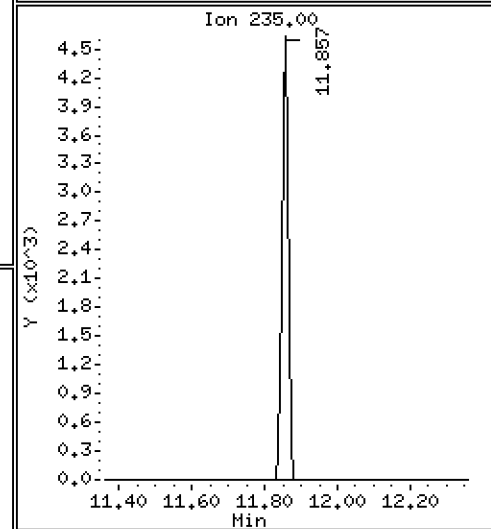
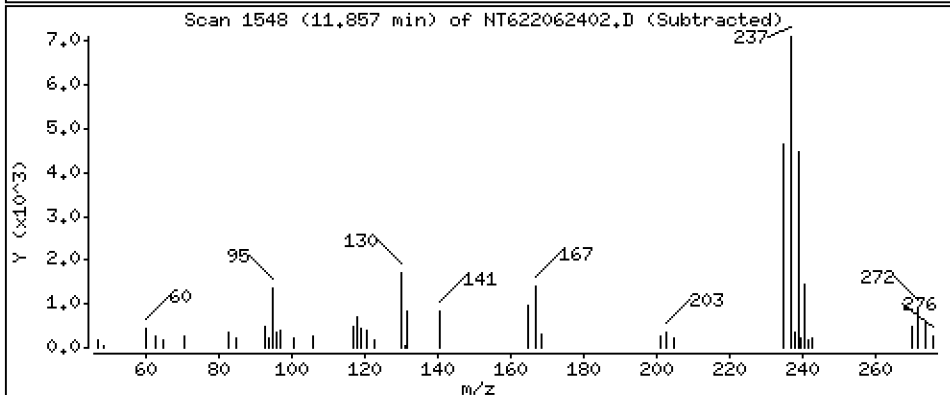
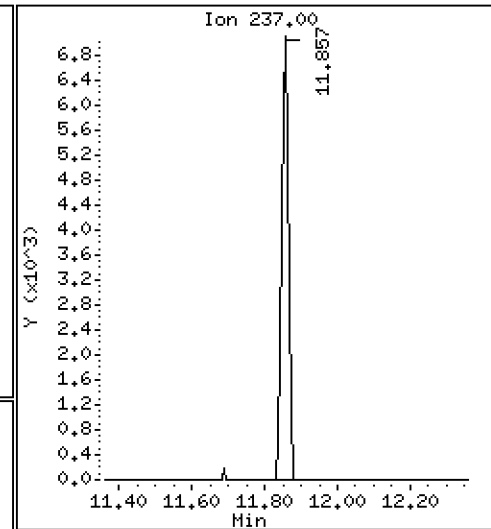
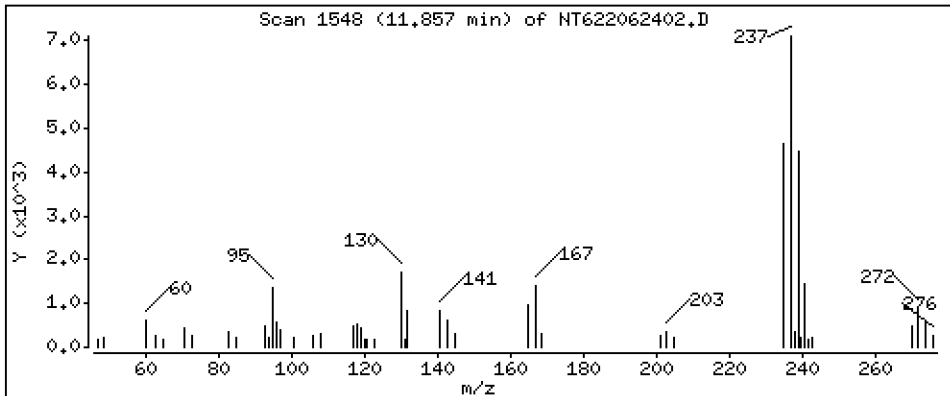
Operator: JZ

Column phase: ZB-5msi

Column diameter: 0.32

33 Hexachlorocyclopentadiene

Concentration: 3,614 ug/mL



Date : 24-JUN-2022 10:59

Client ID:

Instrument: nt6.i

Sample Info: LCV220624

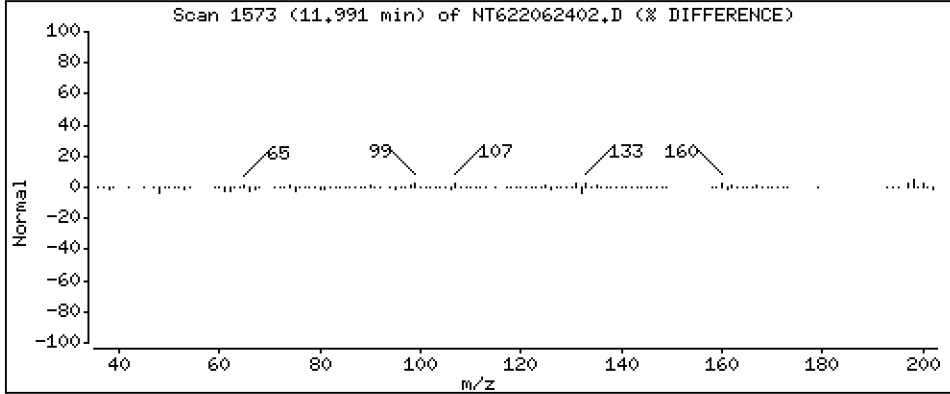
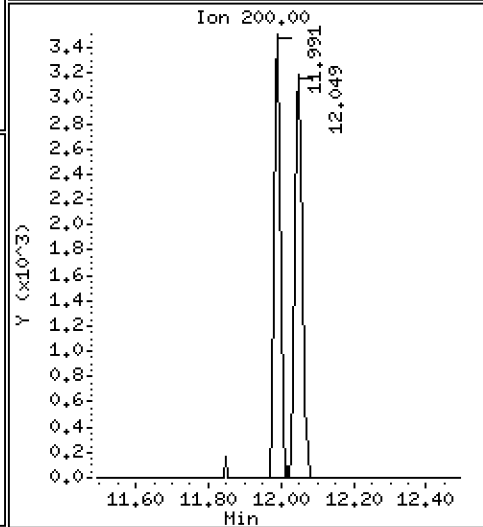
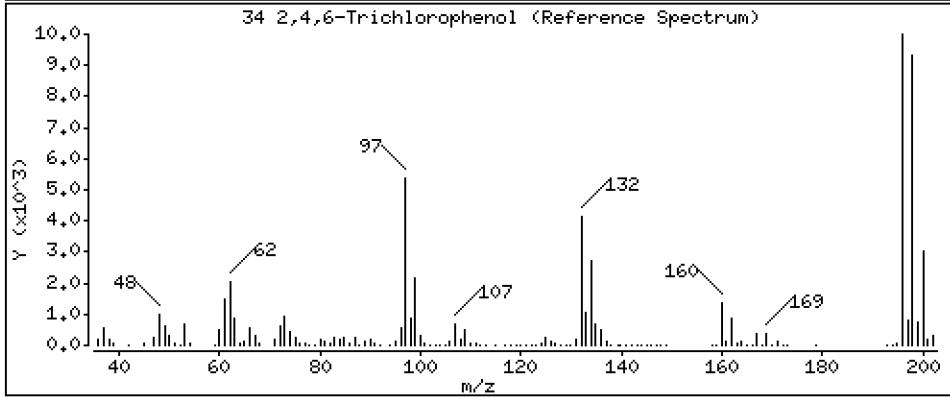
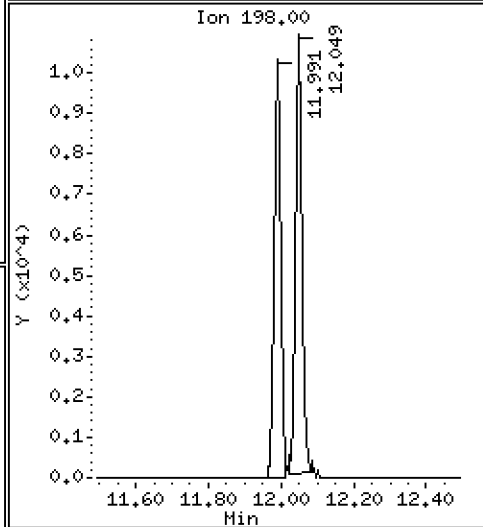
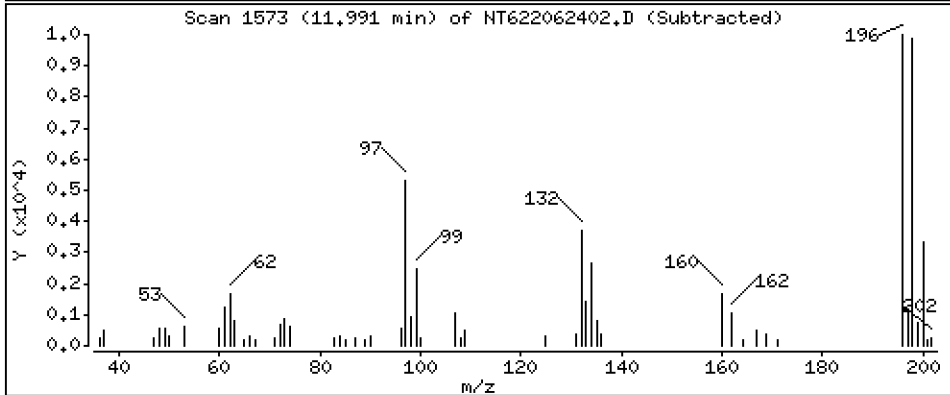
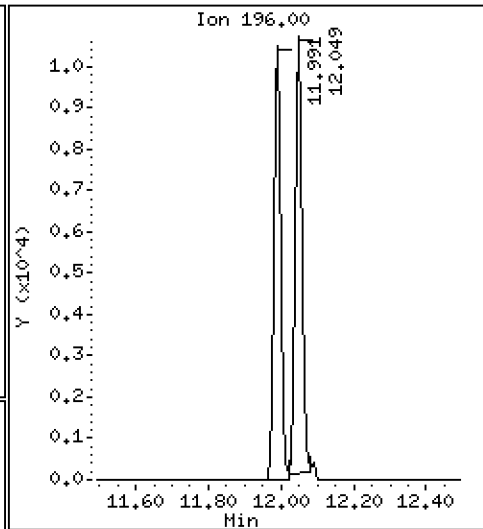
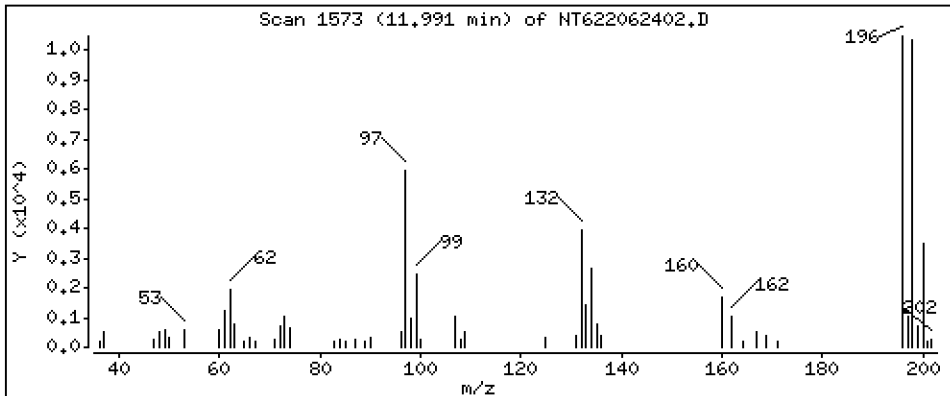
Operator: JZ

Column phase: ZB-5msi

Column diameter: 0.32

34 2,4,6-Trichlorophenol

Concentration: 5.138 ug/mL



Date : 24-JUN-2022 10:59

Client ID:

Instrument: nt6.i

Sample Info: LCV220624

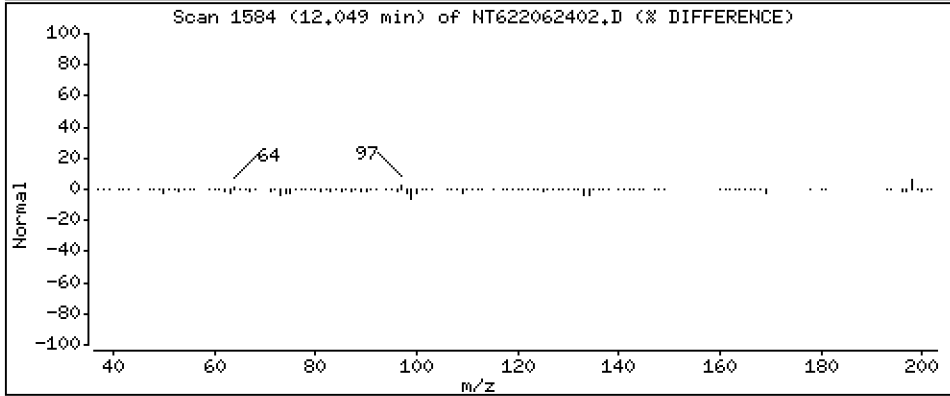
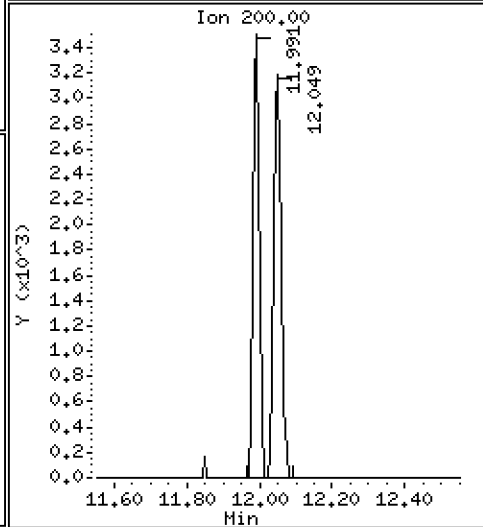
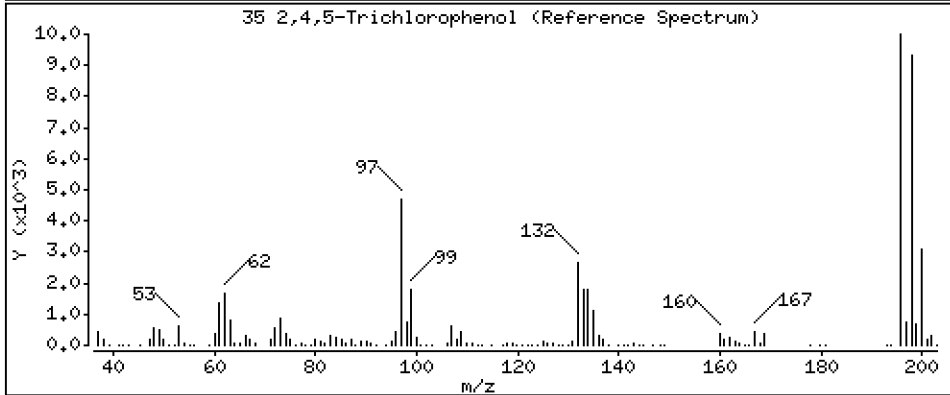
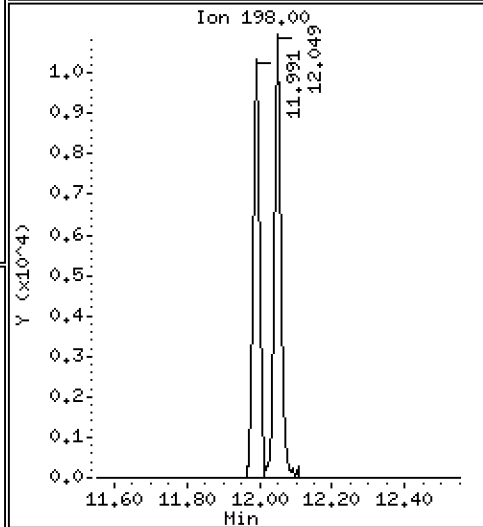
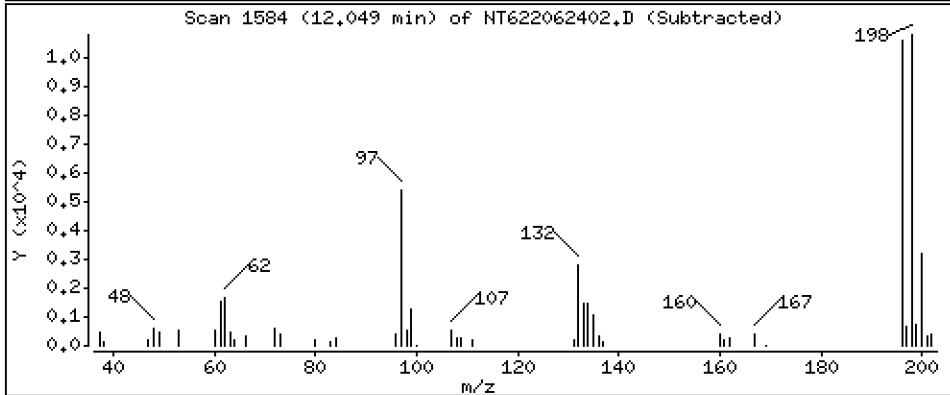
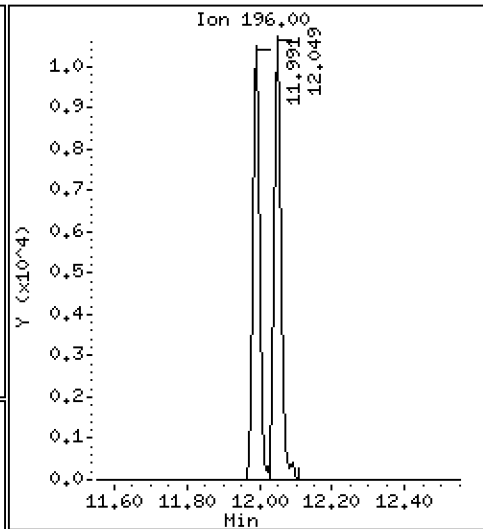
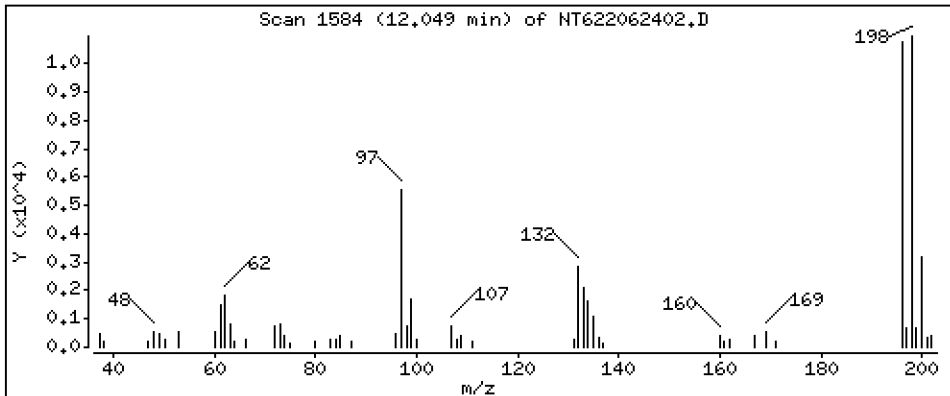
Operator: JZ

Column phase: ZB-5msi

Column diameter: 0.32

35 2,4,5-Trichlorophenol

Concentration: 5,148 ug/mL



Date : 24-JUN-2022 10:59

Client ID:

Instrument: nt6.i

Sample Info: LCV220624

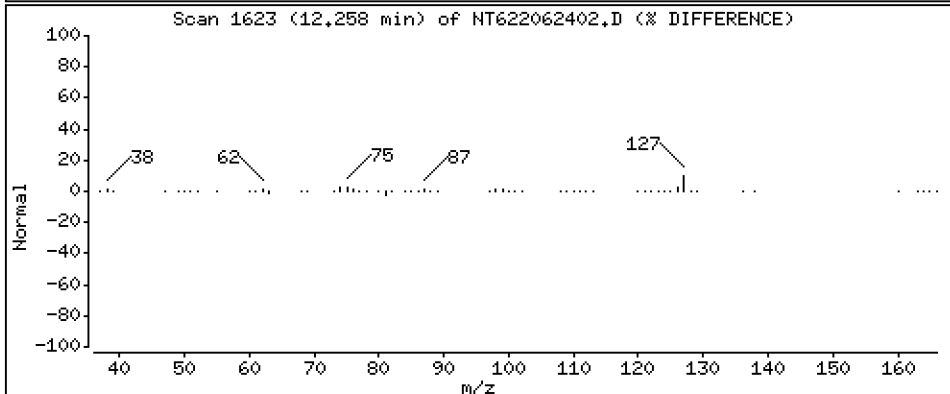
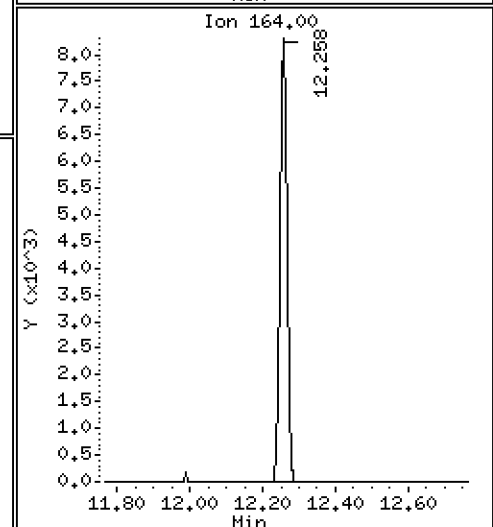
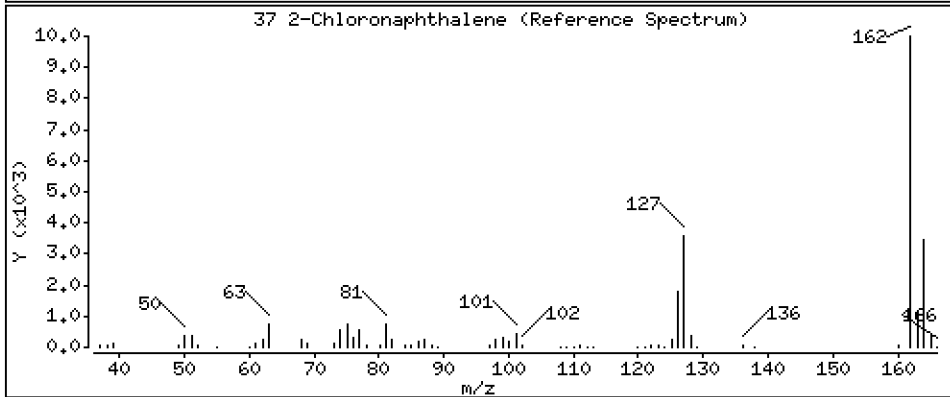
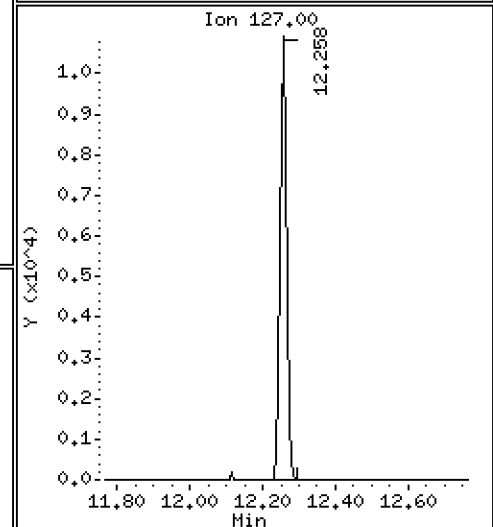
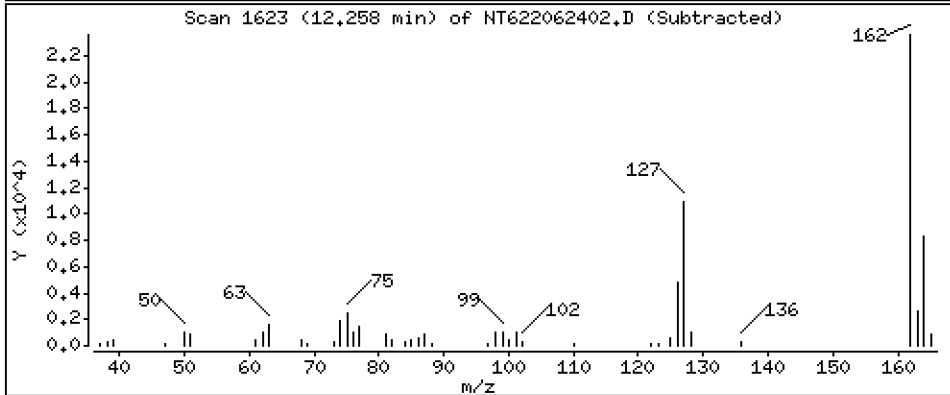
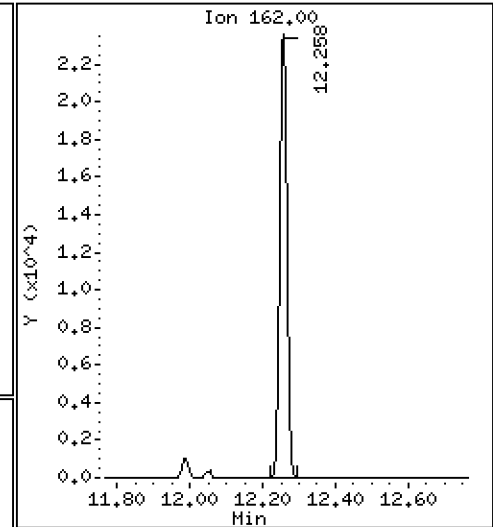
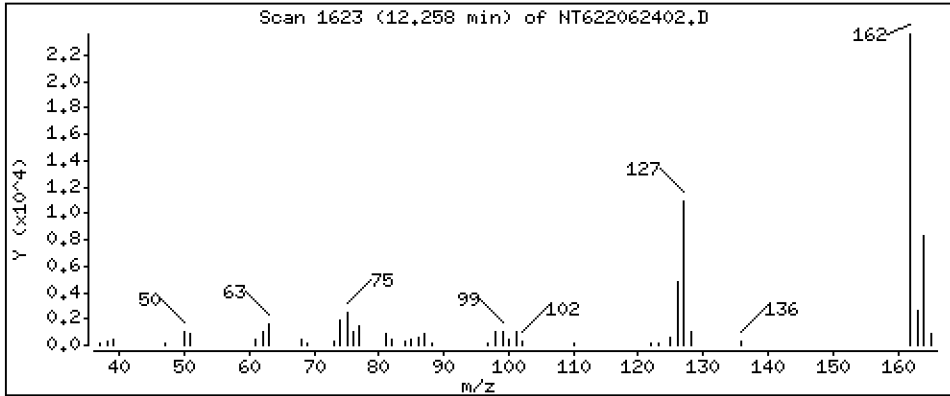
Operator: JZ

Column phase: ZB-5msi

Column diameter: 0.32

37 2-Chloronaphthalene

Concentration: 4.784 ug/mL



Date : 24-JUN-2022 10:59

Client ID:

Instrument: nt6.i

Sample Info: LCV220624

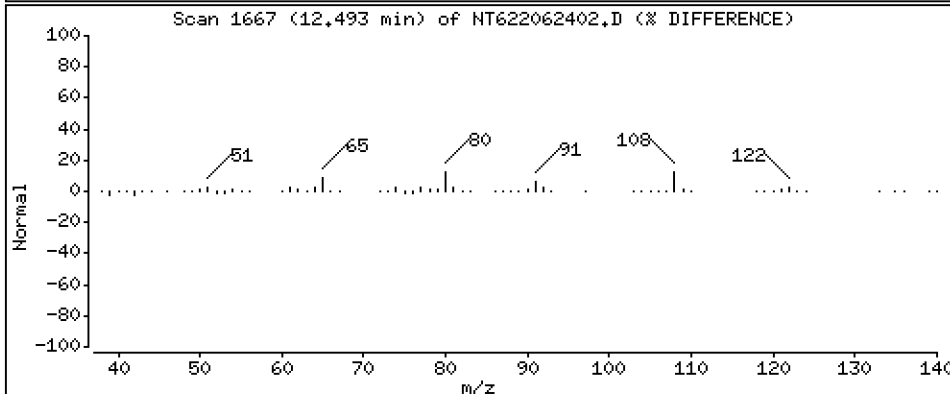
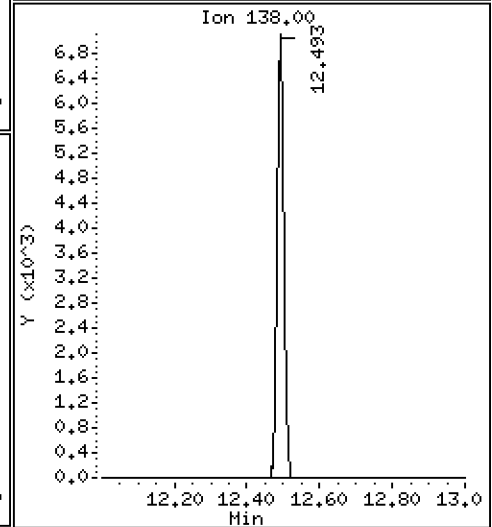
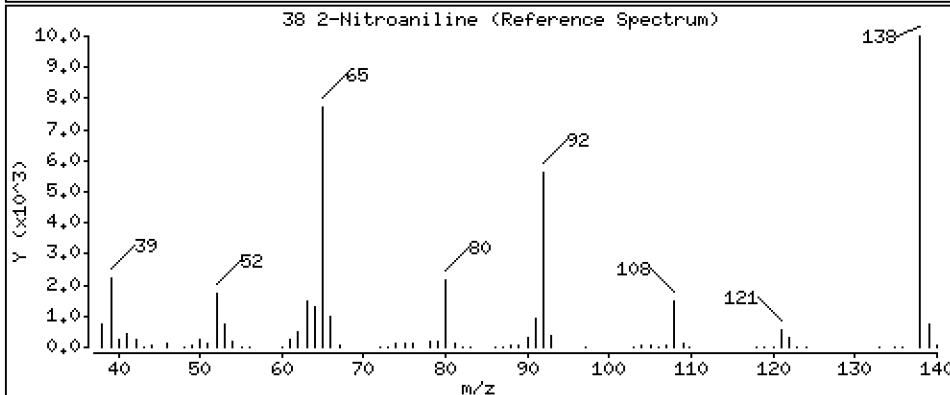
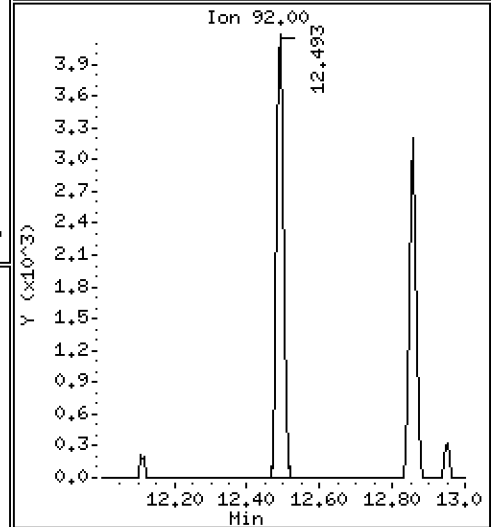
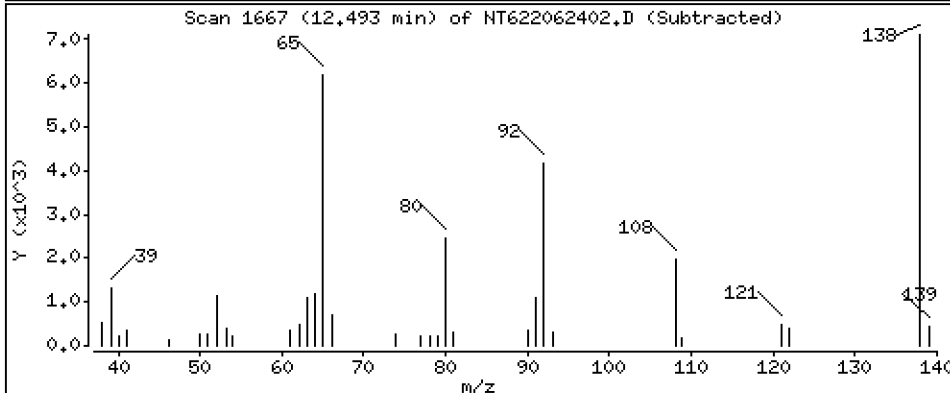
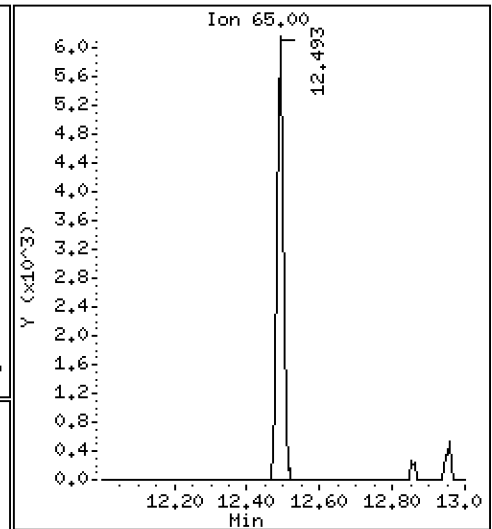
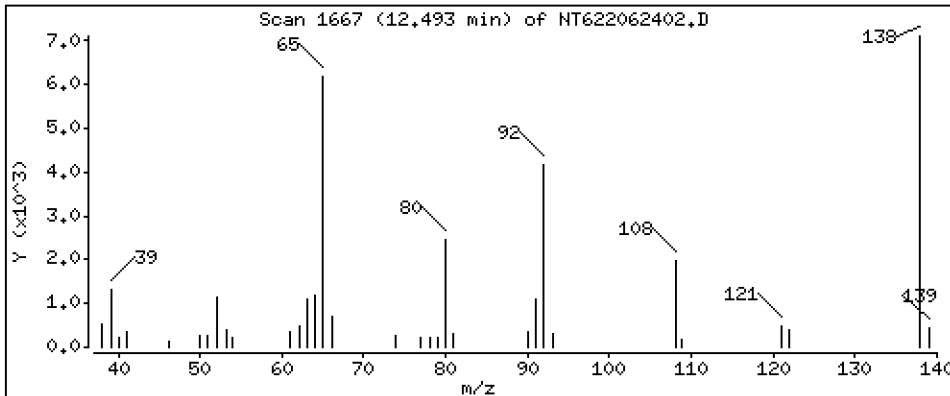
Operator: JZ

Column phase: ZB-5msi

Column diameter: 0.32

38 2-Nitroaniline

Concentration: 4.307 ug/mL



Date : 24-JUN-2022 10:59

Client ID:

Instrument: nt6.i

Sample Info: LCV220624

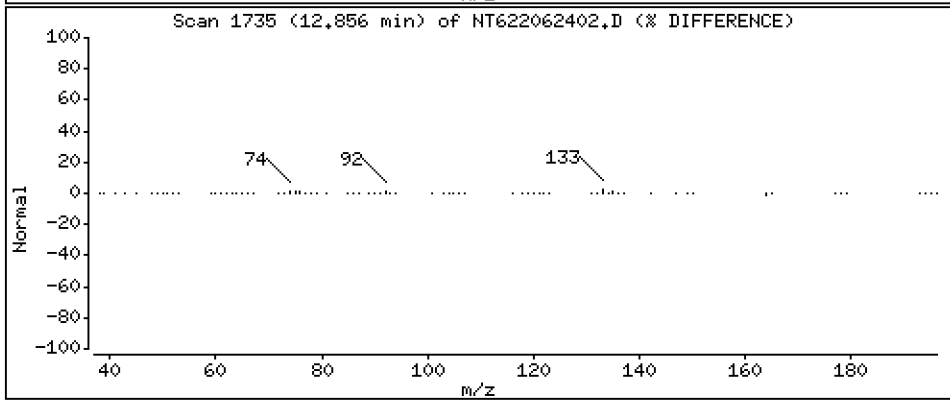
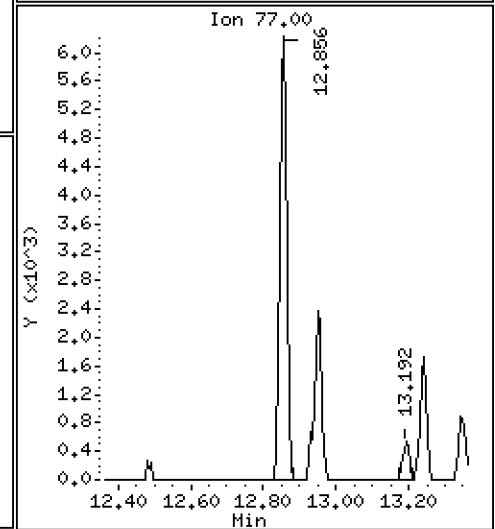
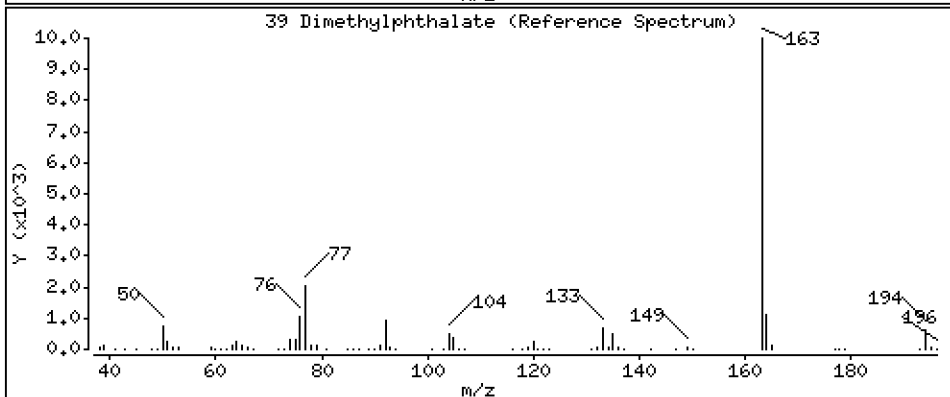
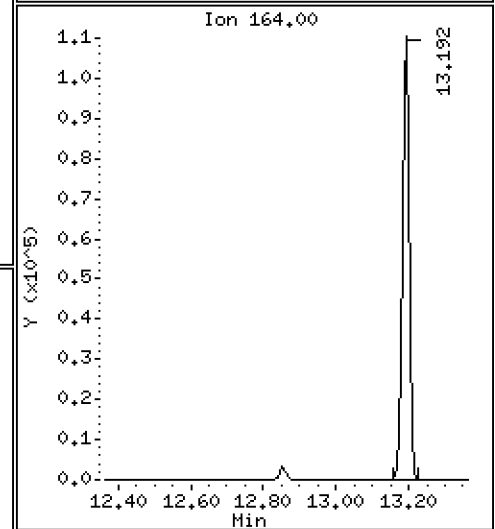
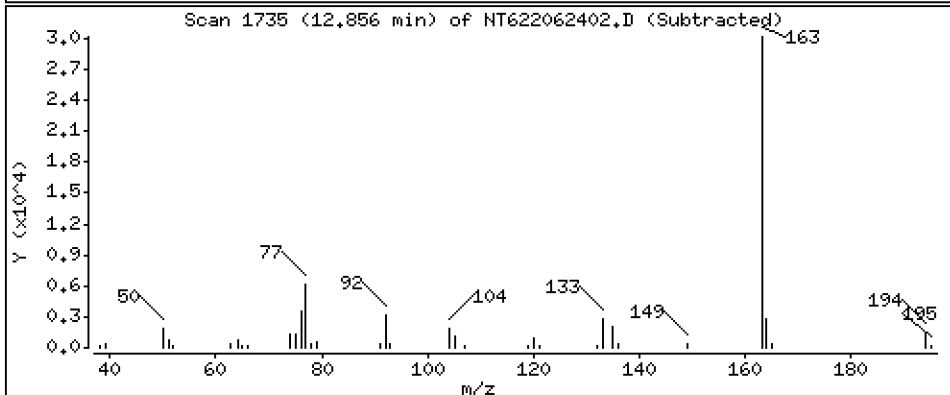
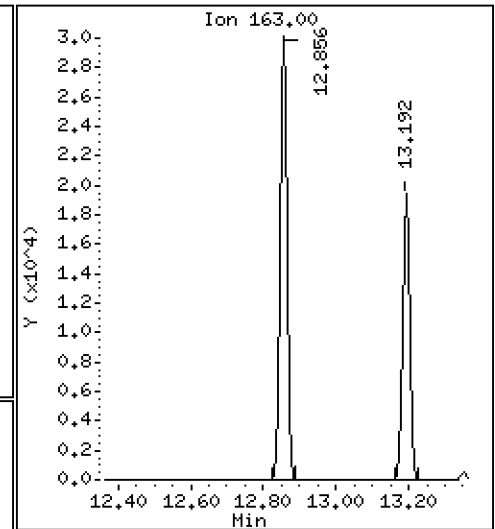
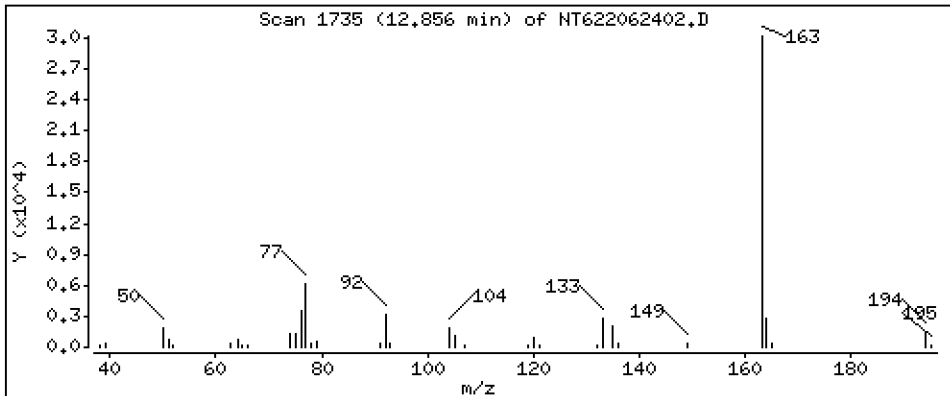
Operator: JZ

Column phase: ZB-5msi

Column diameter: 0.32

39 Dimethylphthalate

Concentration: 5.304 ug/mL



Date : 24-JUN-2022 10:59

Client ID:

Instrument: nt6.i

Sample Info: LCV220624

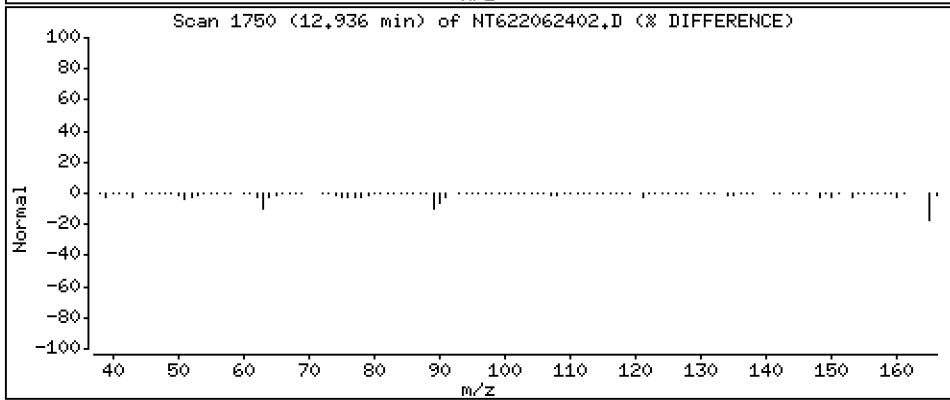
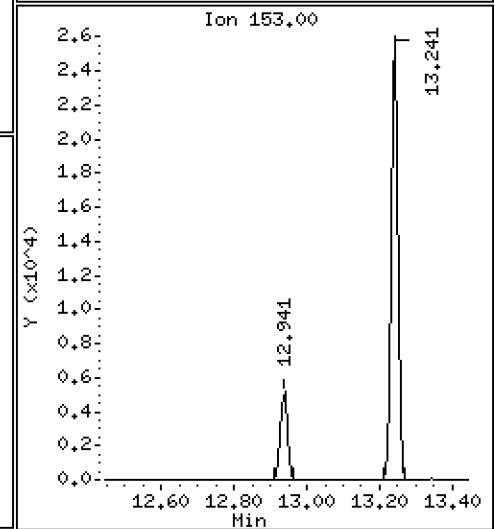
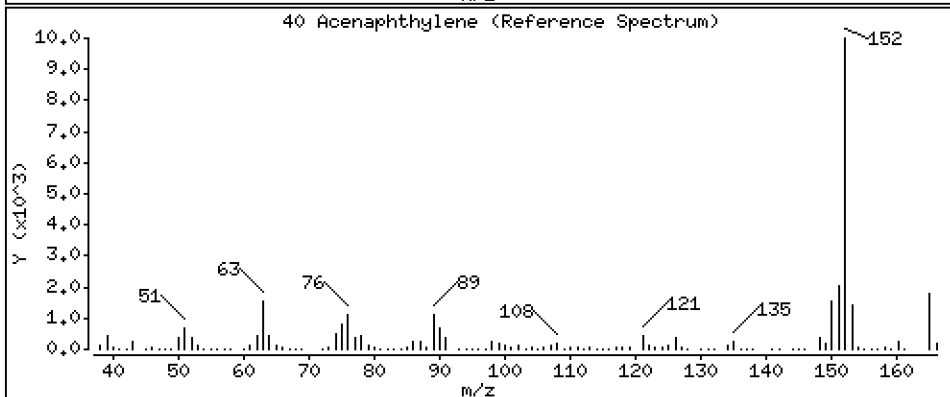
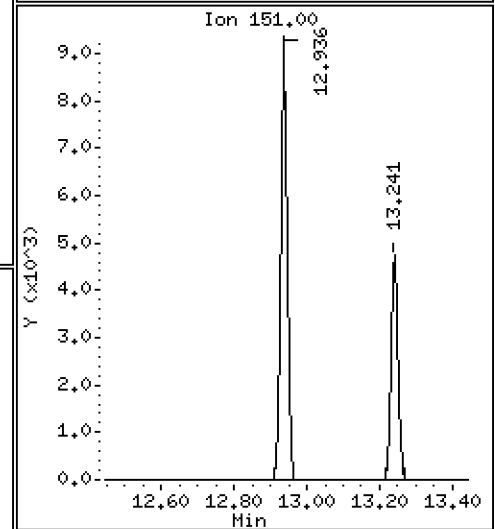
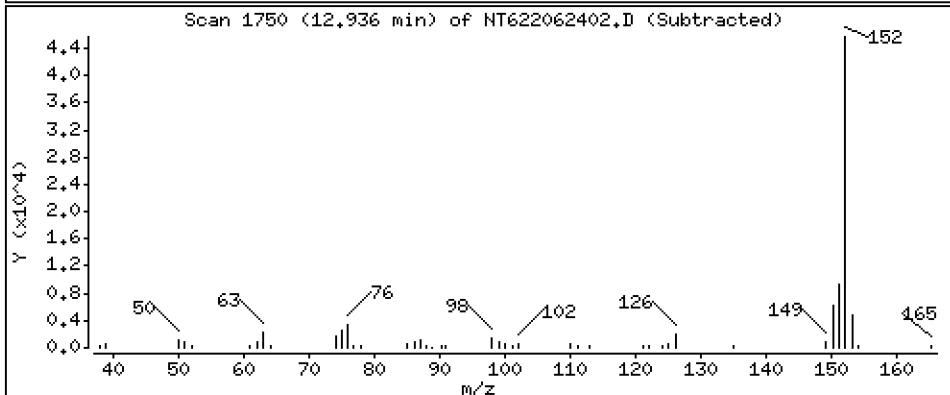
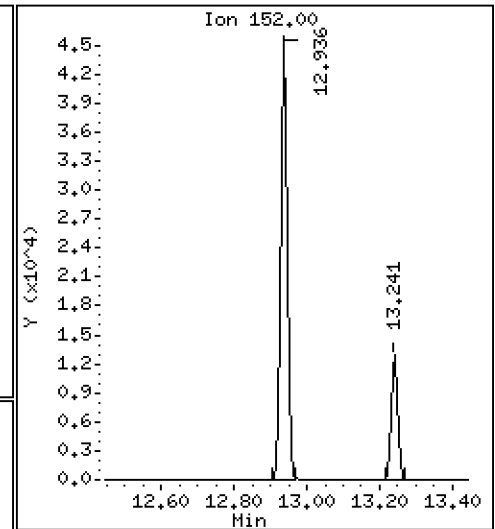
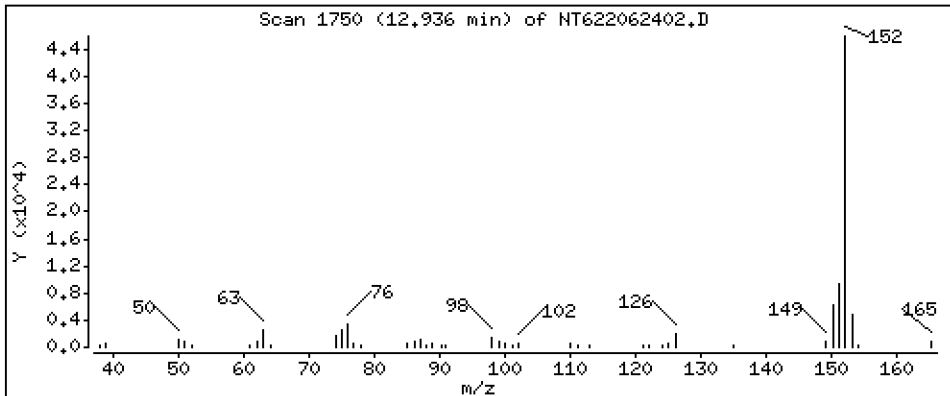
Operator: JZ

Column phase: ZB-5msi

Column diameter: 0.32

40 Acenaphthylene

Concentration: 5.037 ug/mL



Date : 24-JUN-2022 10:59

Client ID:

Instrument: nt6.i

Sample Info: LCV220624

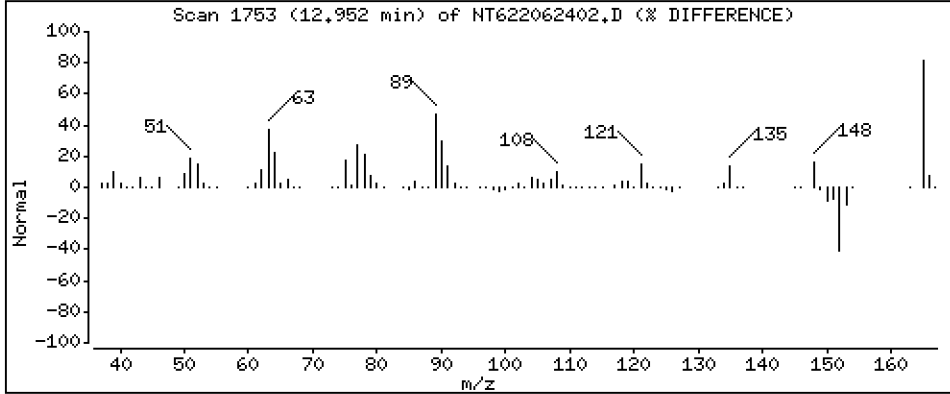
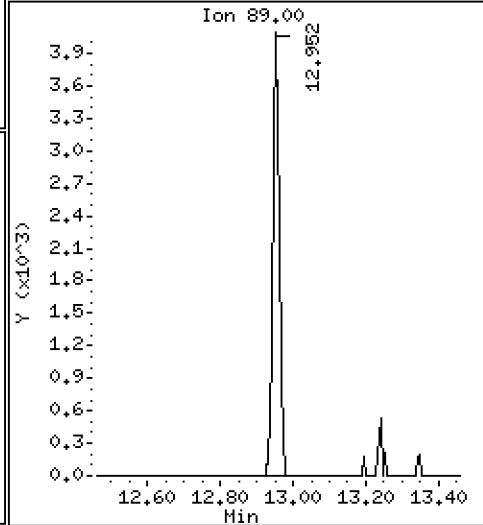
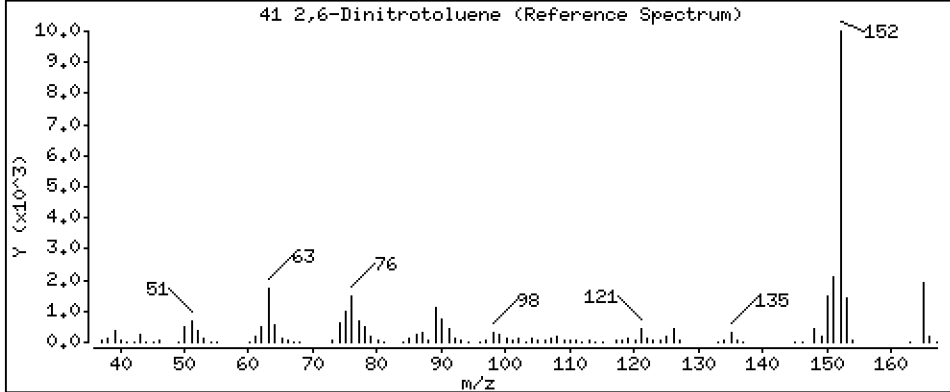
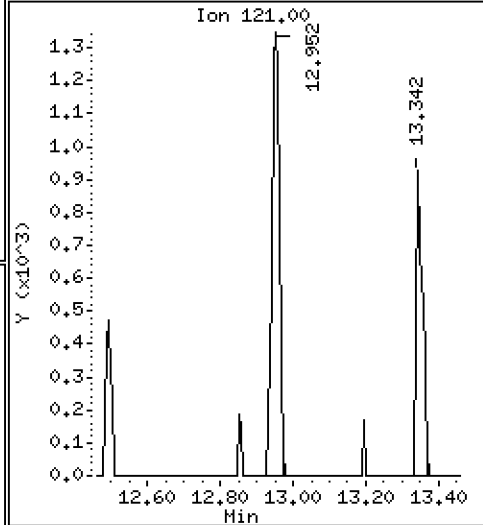
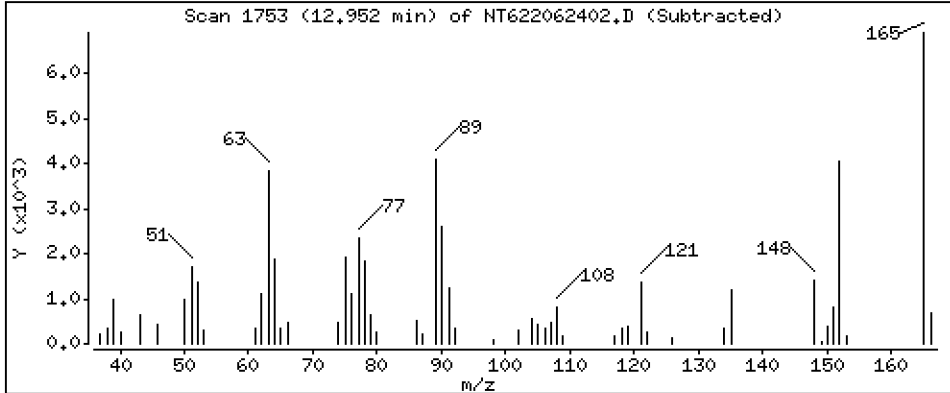
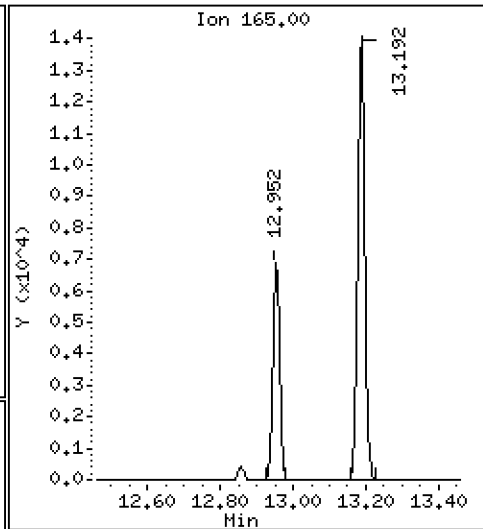
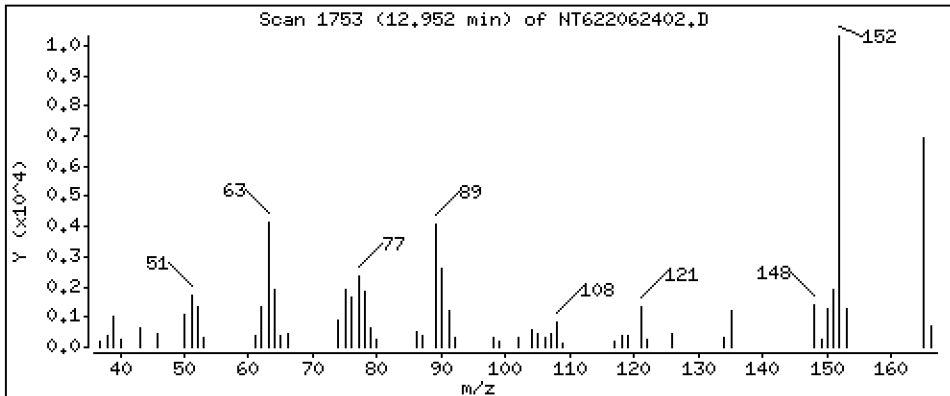
Operator: JZ

Column phase: ZB-5msi

Column diameter: 0.32

41 2,6-Dinitrotoluene

Concentration: 5.239 ug/mL



Date : 24-JUN-2022 10:59

Client ID:

Instrument: nt6.i

Sample Info: LCV220624

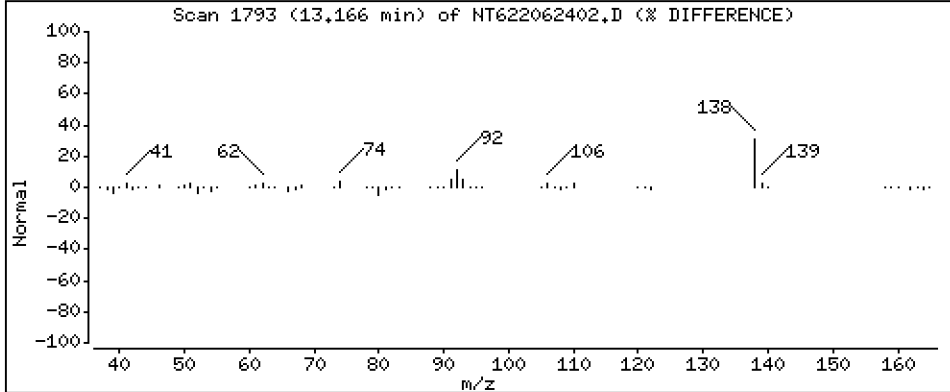
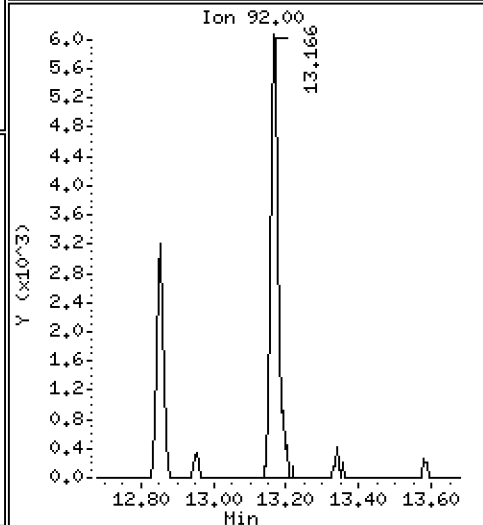
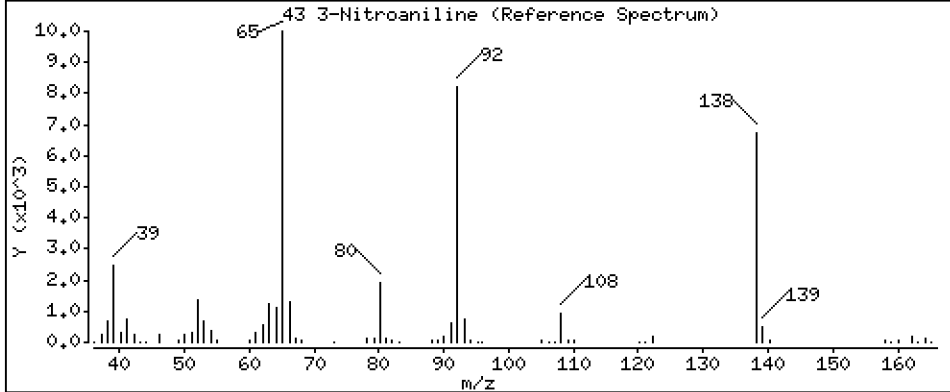
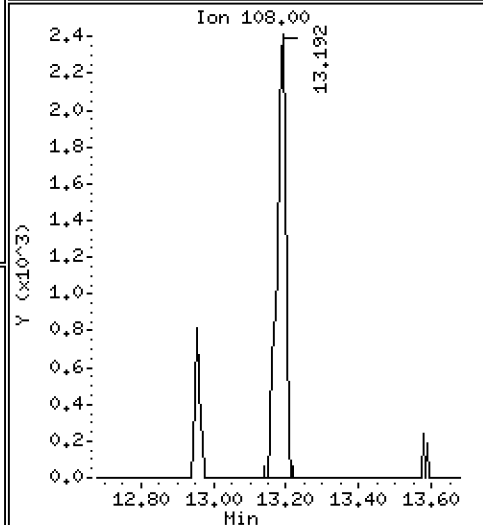
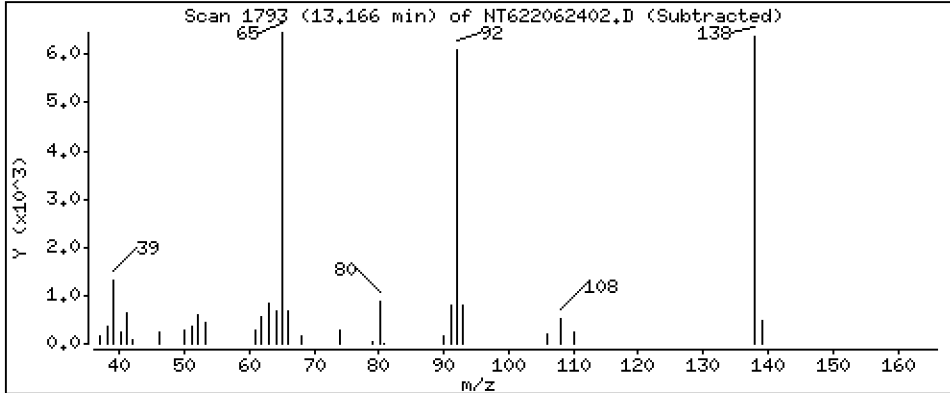
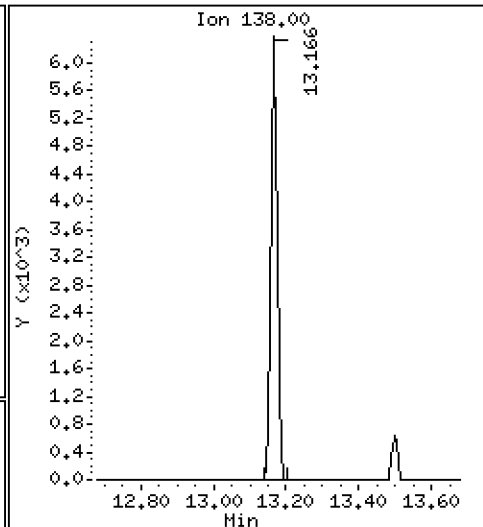
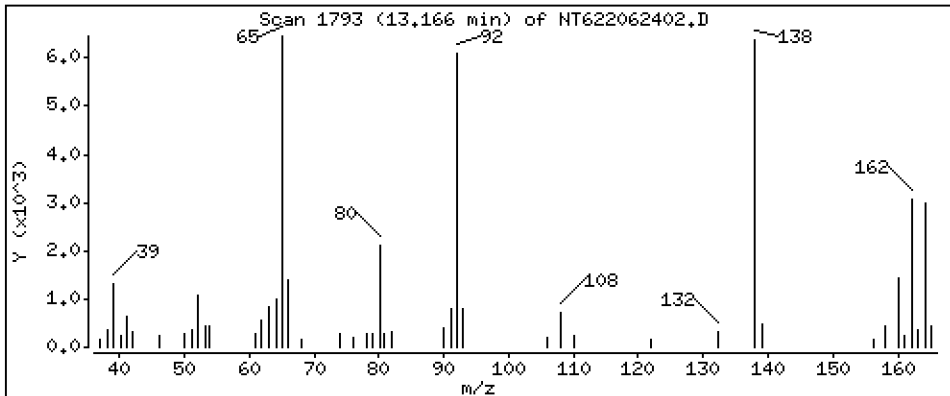
Operator: JZ

Column phase: ZB-5msi

Column diameter: 0.32

43 3-Nitroaniline

Concentration: 4.579 ug/mL



Date : 24-JUN-2022 10:59

Client ID:

Instrument: nt6.i

Sample Info: LCV220624

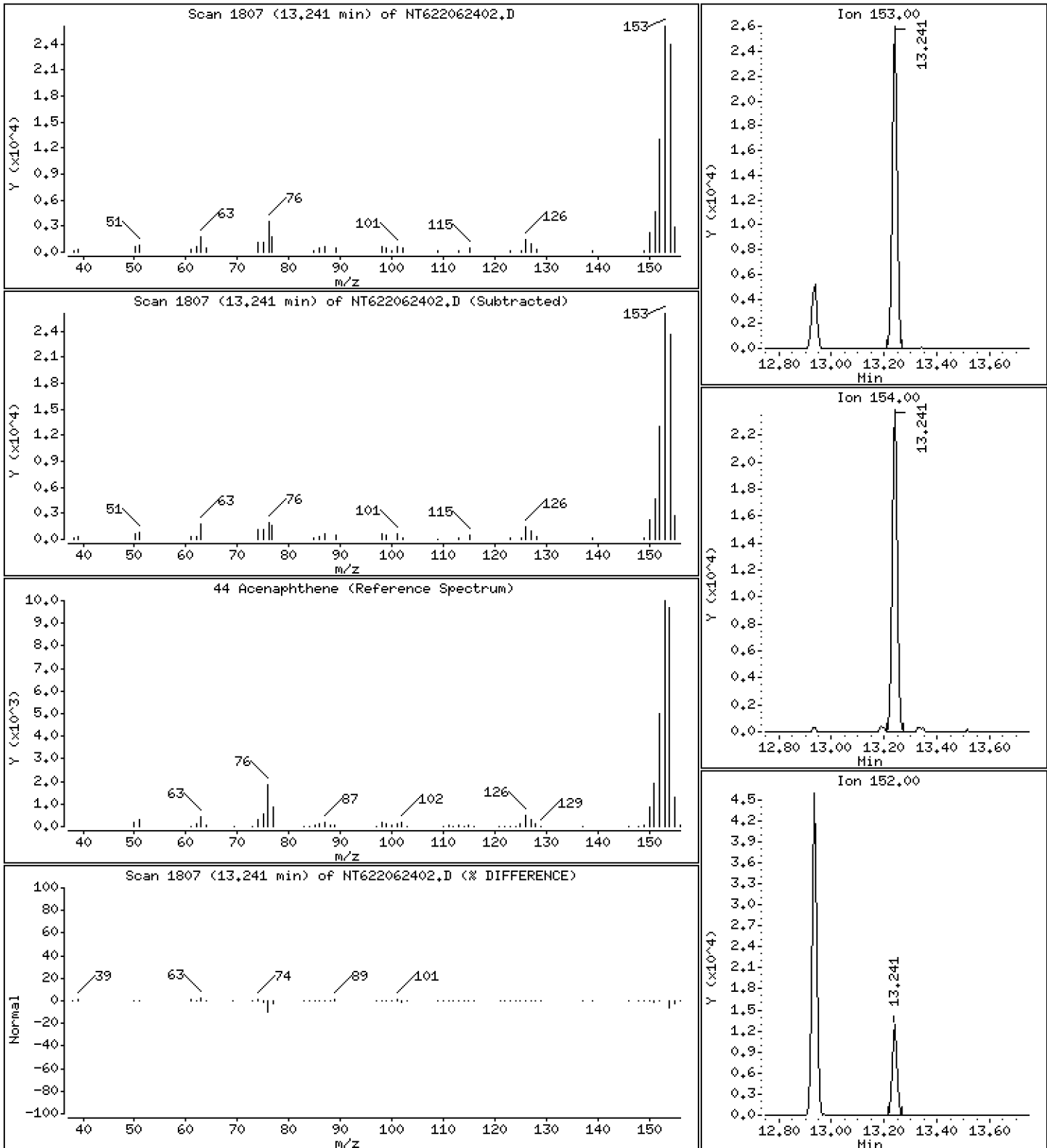
Operator: JZ

Column phase: ZB-5msi

Column diameter: 0.32

44 Acenaphthene

Concentration: 4.955 ug/mL



Date : 24-JUN-2022 10:59

Client ID:

Instrument: nt6.i

Sample Info: LCV220624

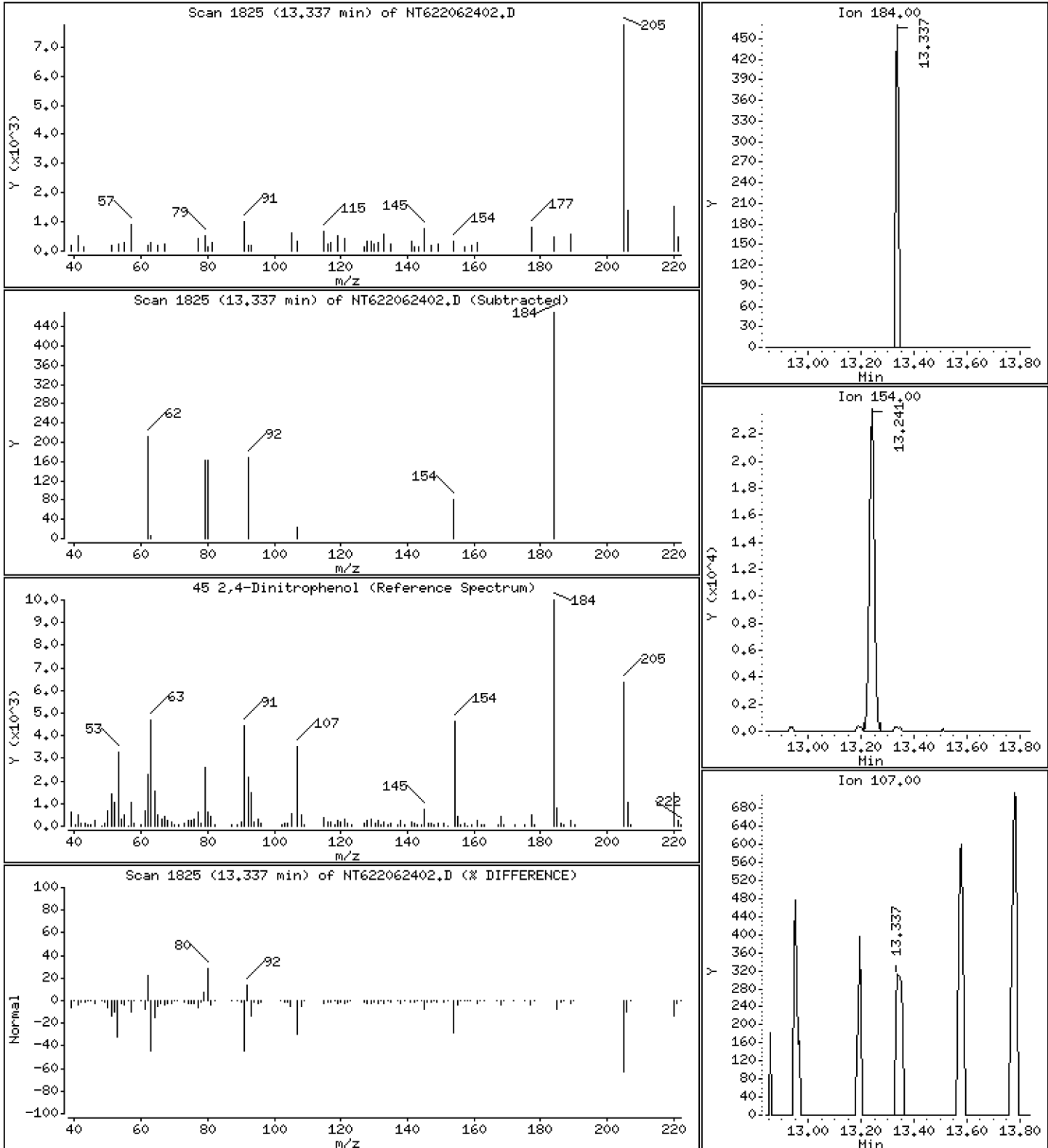
Operator: JZ

Column phase: ZB-5msi

Column diameter: 0.32

45 2,4-Dinitrophenol

Concentration: 0.3741 ug/mL



Date : 24-JUN-2022 10:59

Client ID:

Instrument: nt6.i

Sample Info: LCV220624

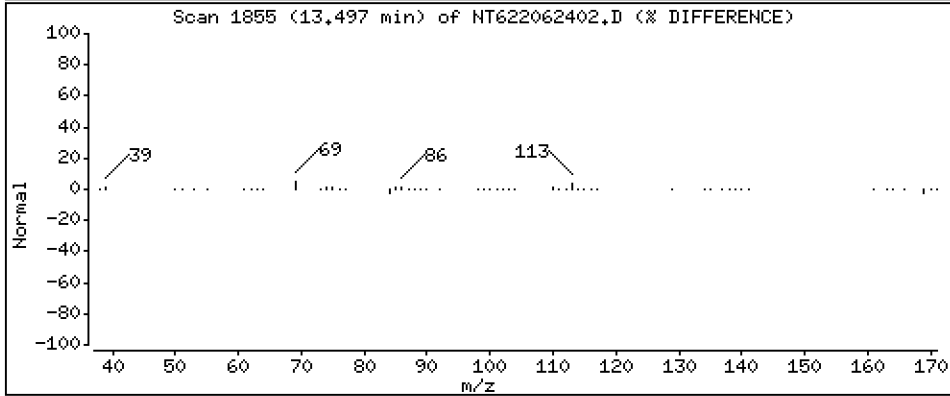
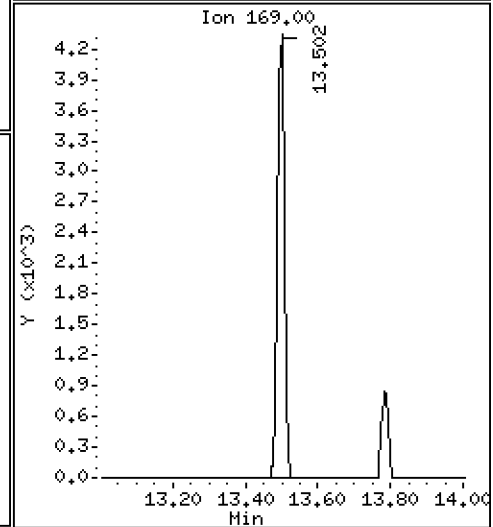
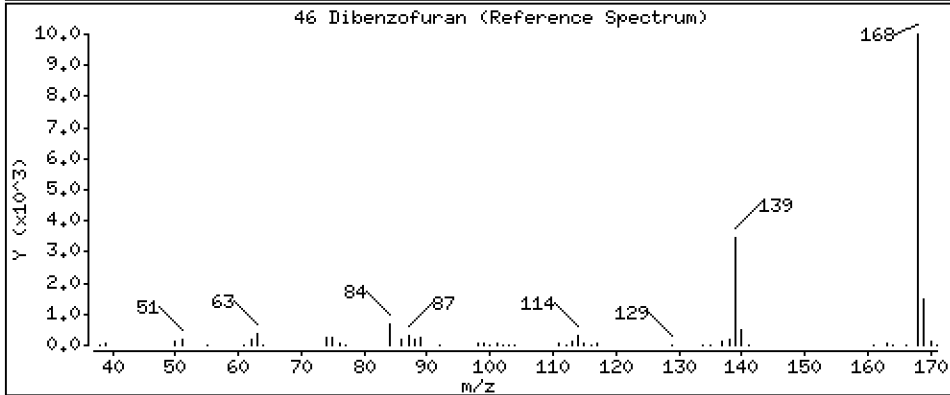
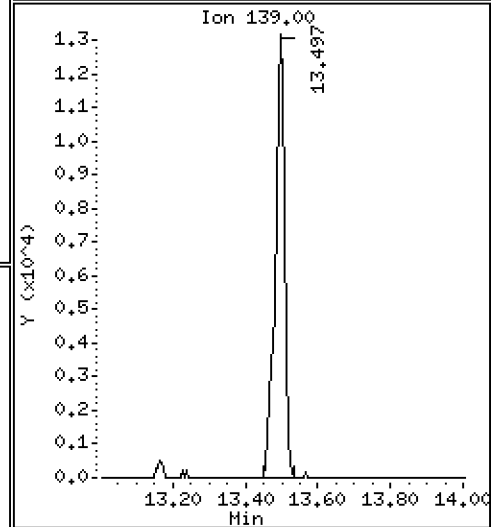
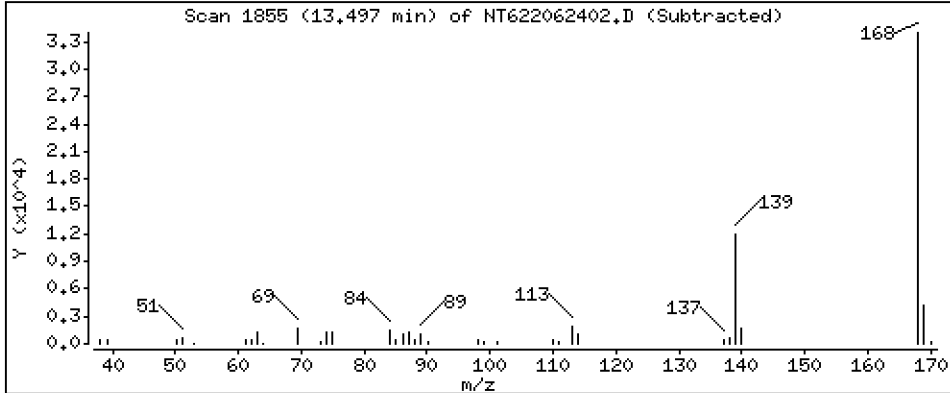
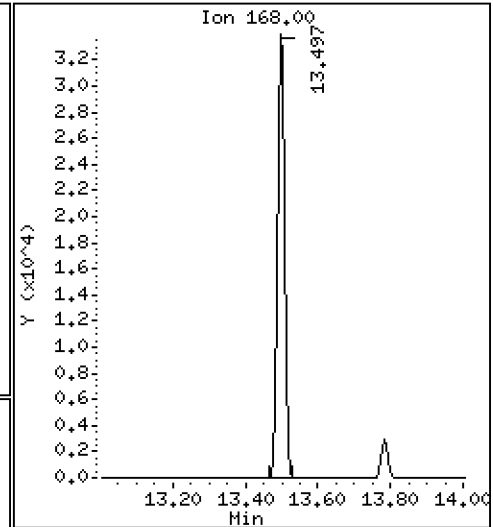
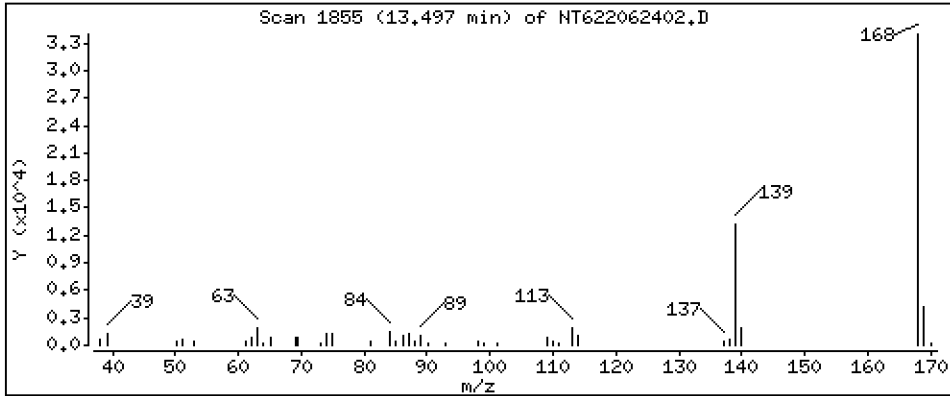
Operator: JZ

Column phase: ZB-5msi

Column diameter: 0.32

46 Dibenzofuran

Concentration: 4.812 ug/mL



Date : 24-JUN-2022 10:59

Client ID:

Instrument: nt6.i

Sample Info: LCV220624

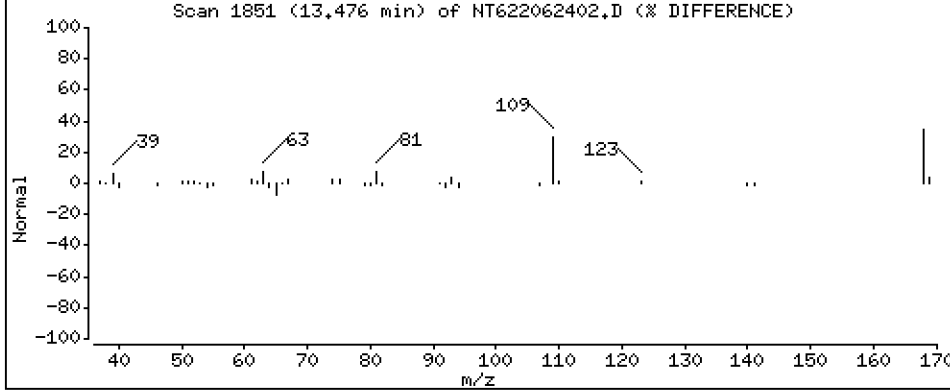
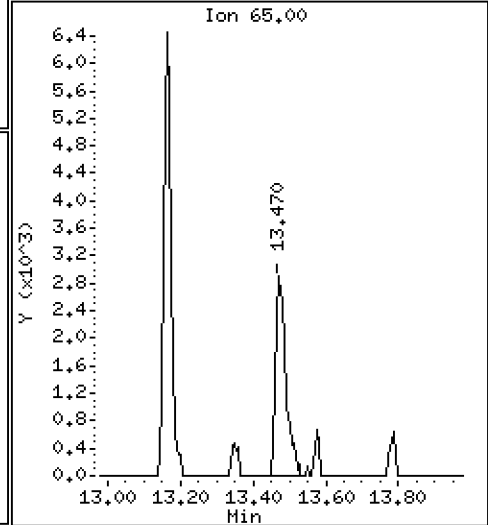
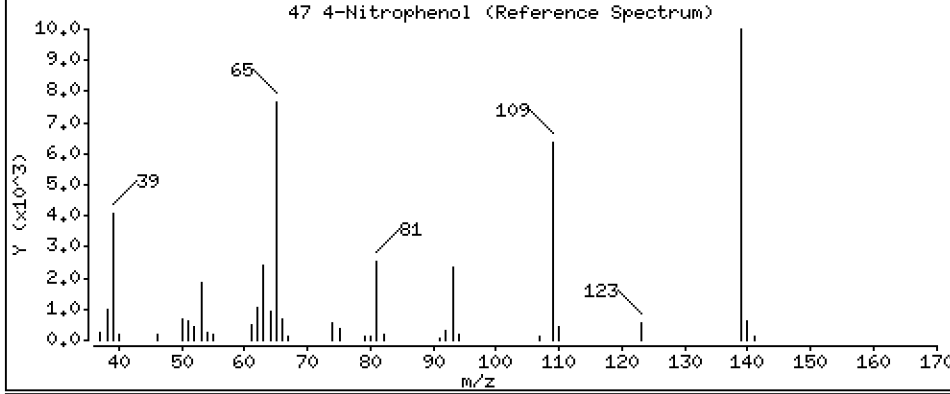
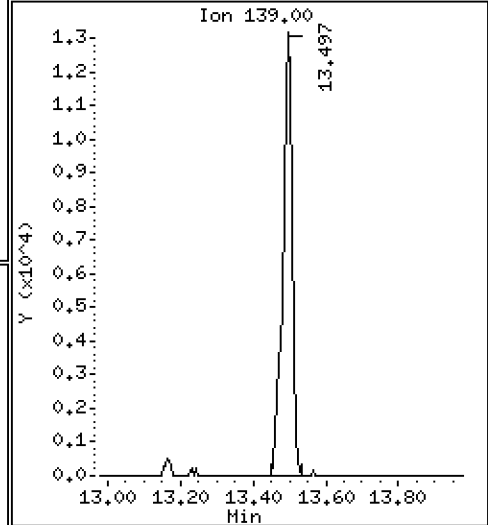
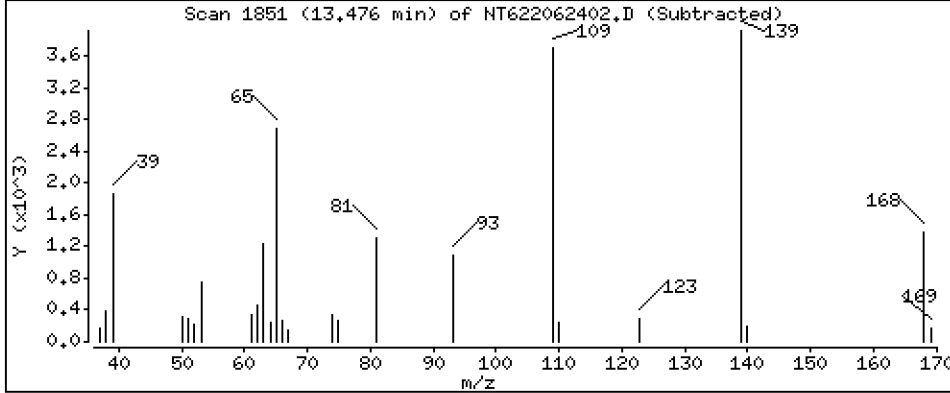
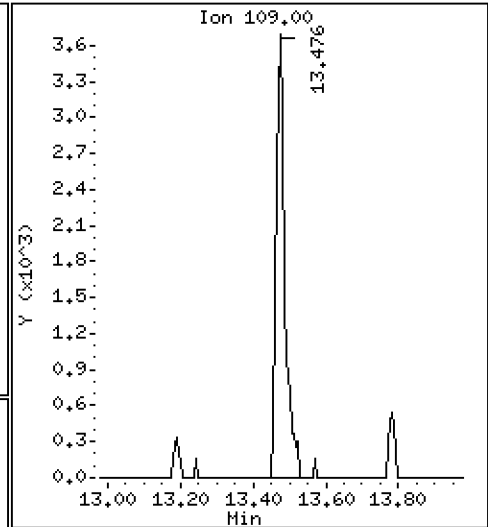
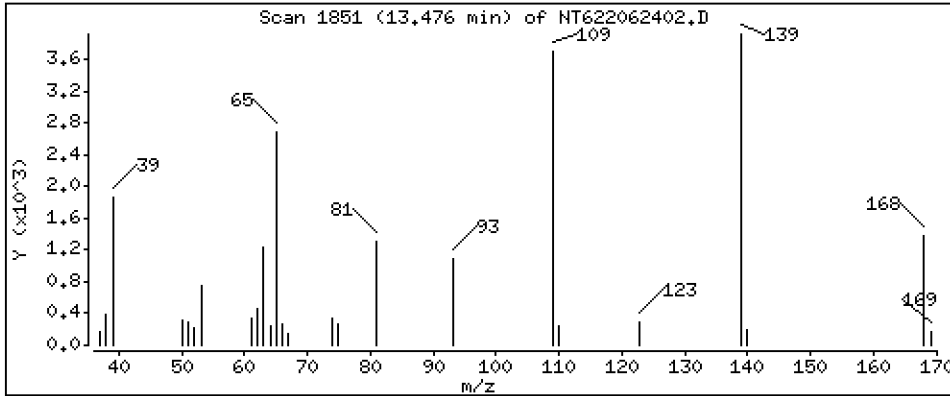
Operator: JZ

Column phase: ZB-5msi

Column diameter: 0.32

47 4-Nitrophenol

Concentration: 5.145 ug/mL



Date : 24-JUN-2022 10:59

Client ID:

Instrument: nt6.i

Sample Info: LCV220624

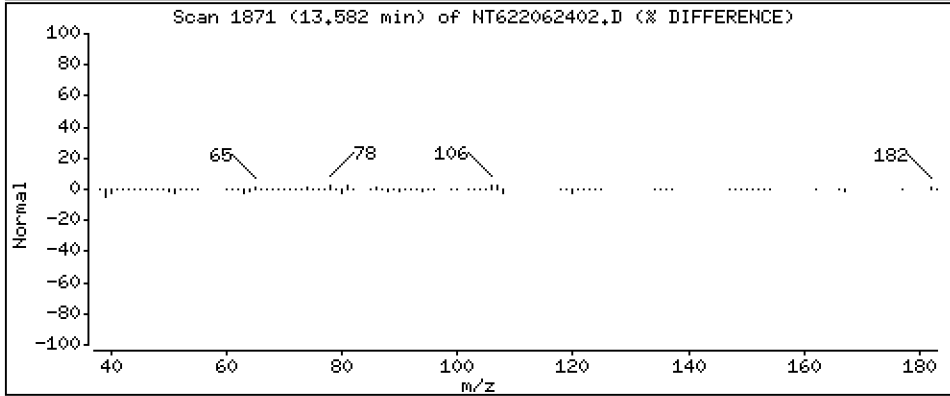
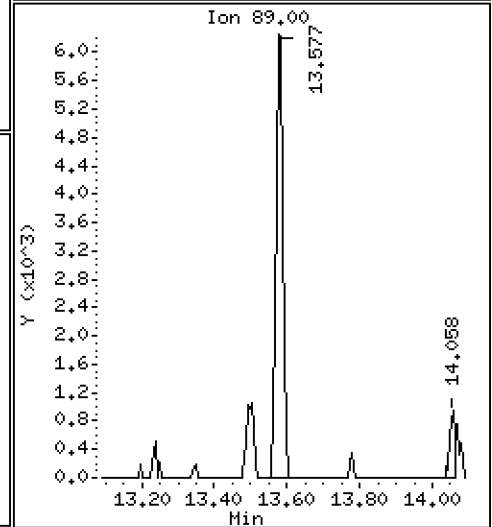
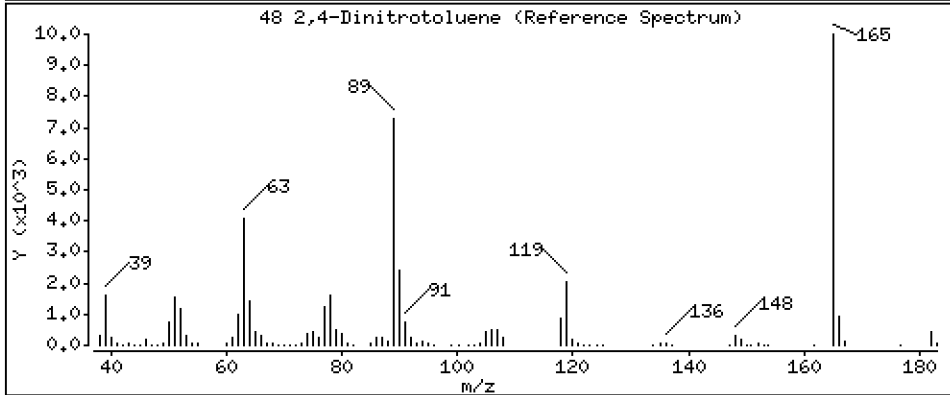
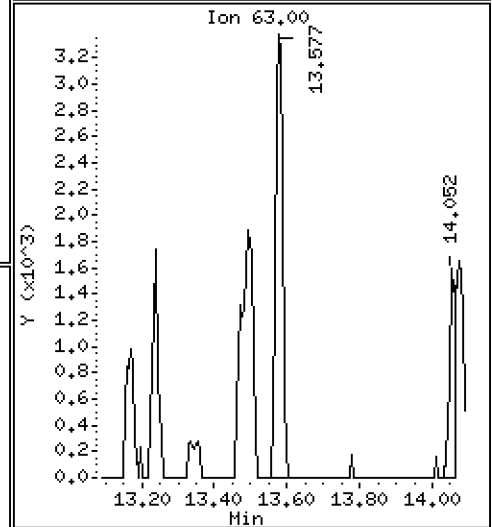
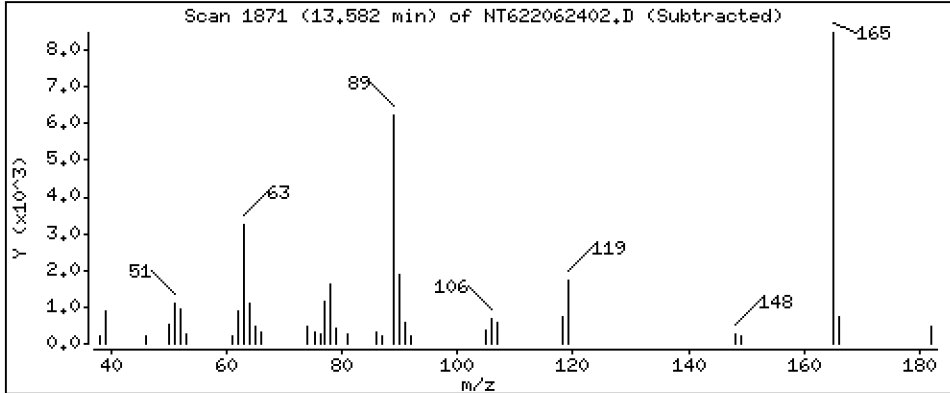
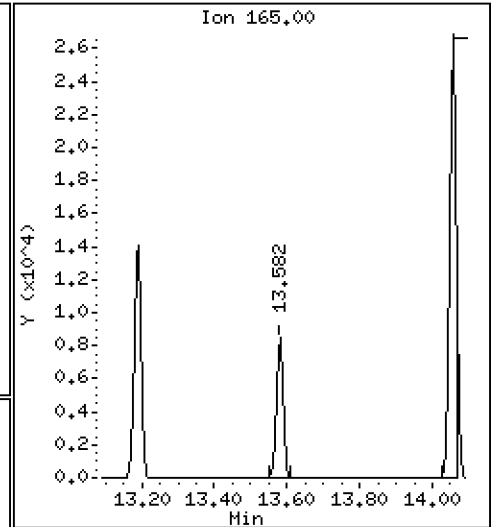
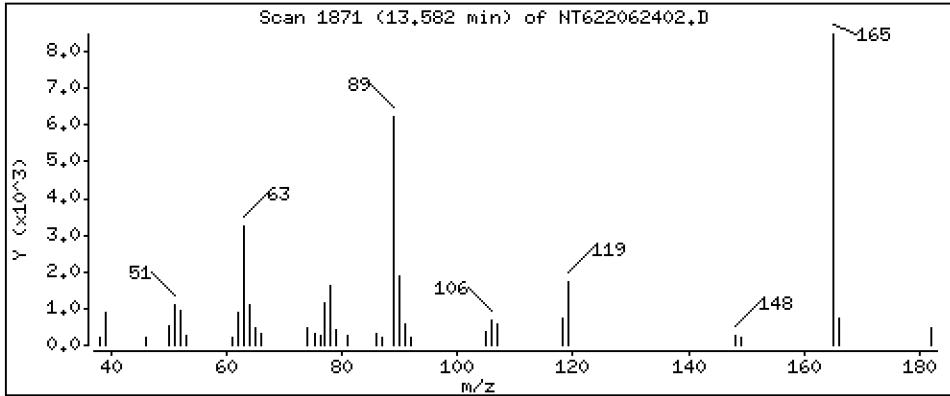
Operator: JZ

Column phase: ZB-5msi

Column diameter: 0.32

48 2,4-Dinitrotoluene

Concentration: 4.912 ug/mL



Date : 24-JUN-2022 10:59

Client ID:

Instrument: nt6.i

Sample Info: LCV220624

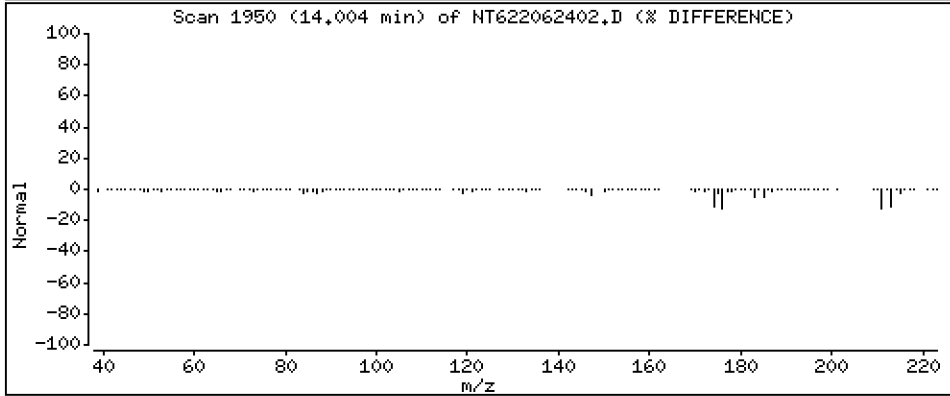
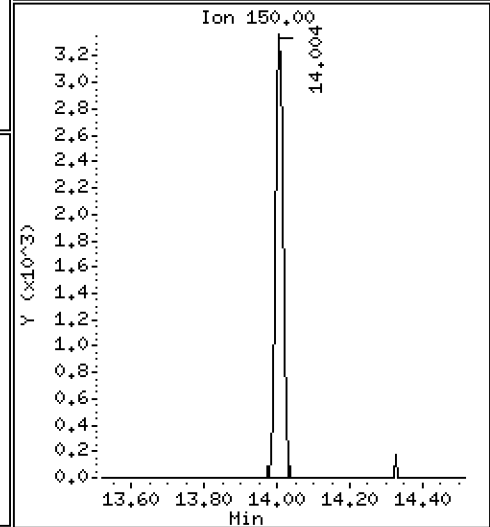
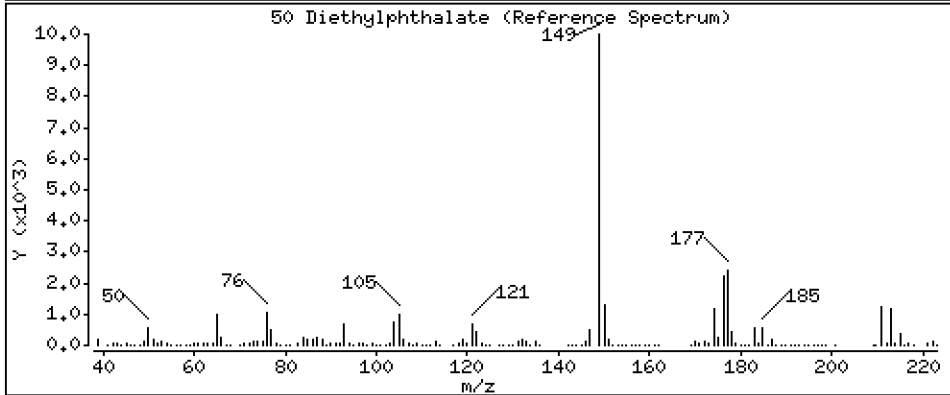
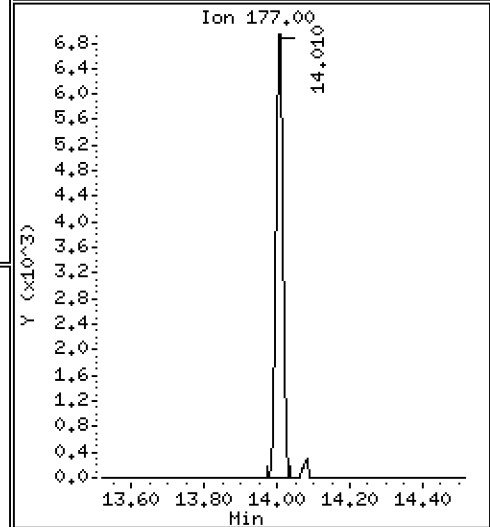
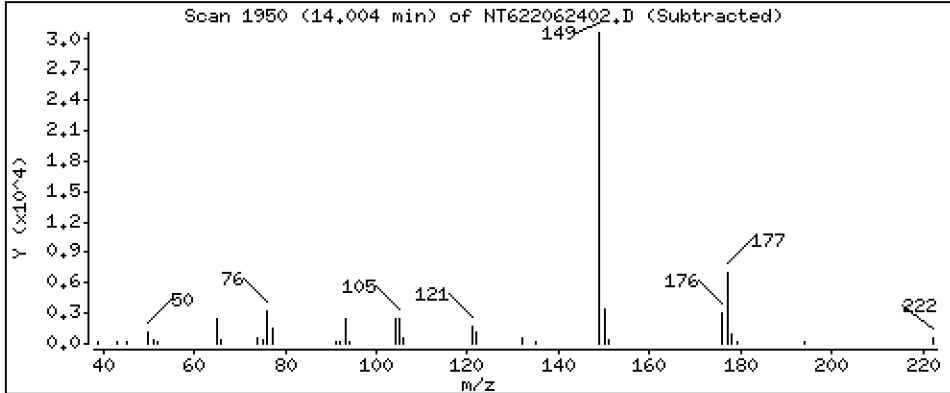
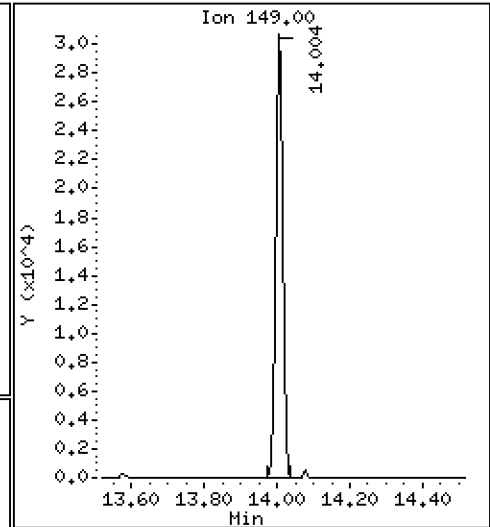
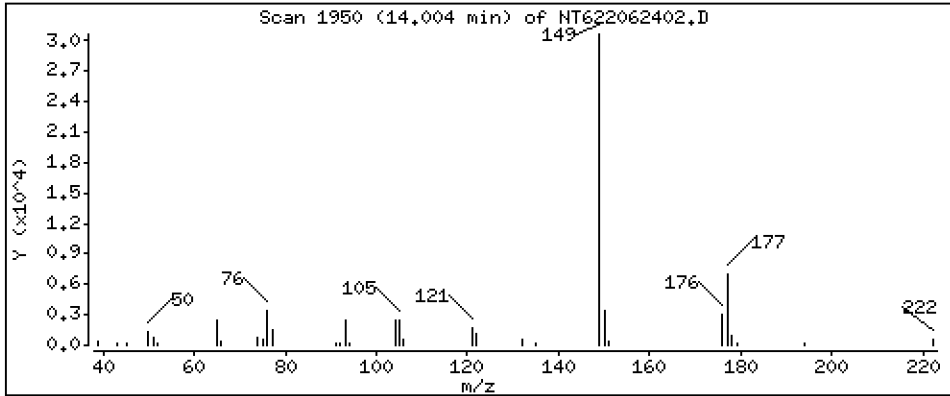
Operator: JZ

Column phase: ZB-5msi

Column diameter: 0.32

50 Diethylphthalate

Concentration: 5.636 ug/mL



Date : 24-JUN-2022 10:59

Client ID:

Instrument: nt6.i

Sample Info: LCV220624

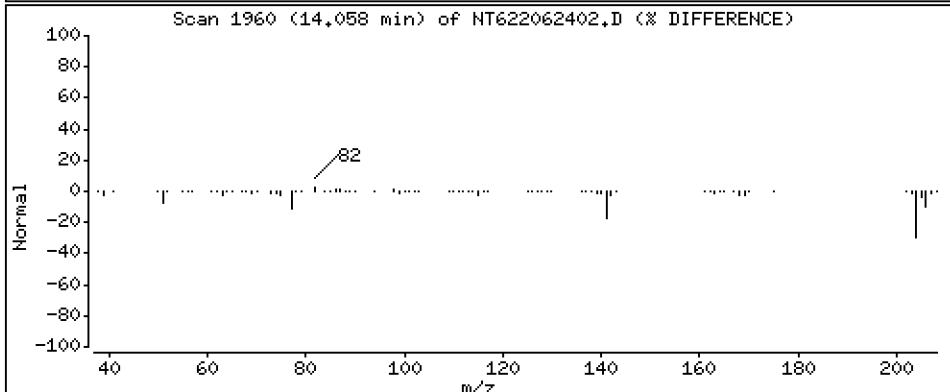
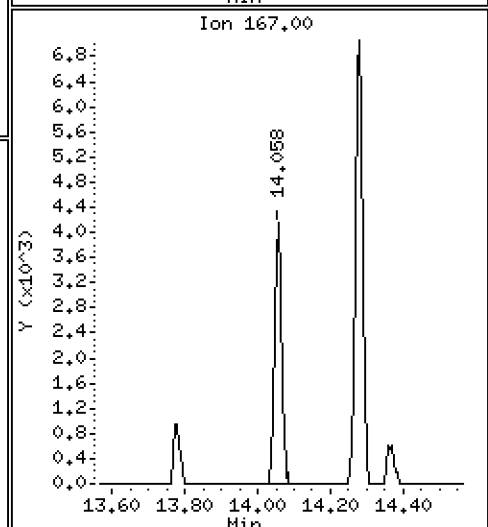
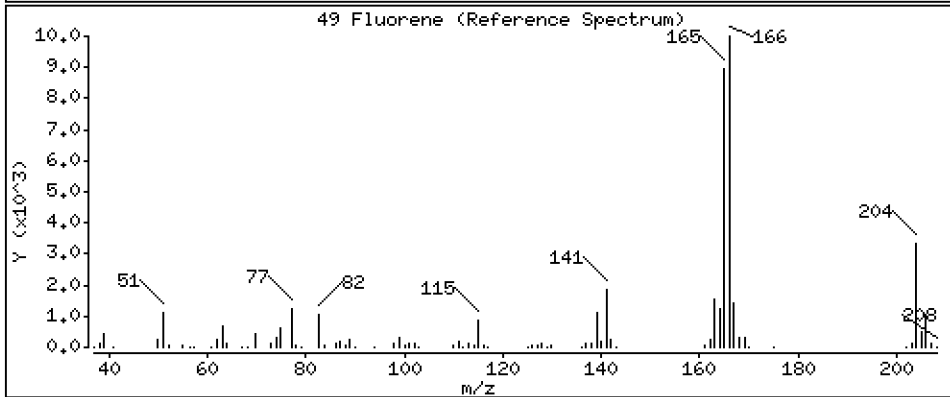
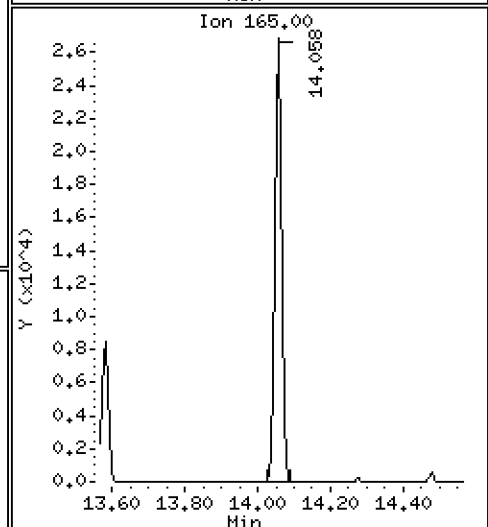
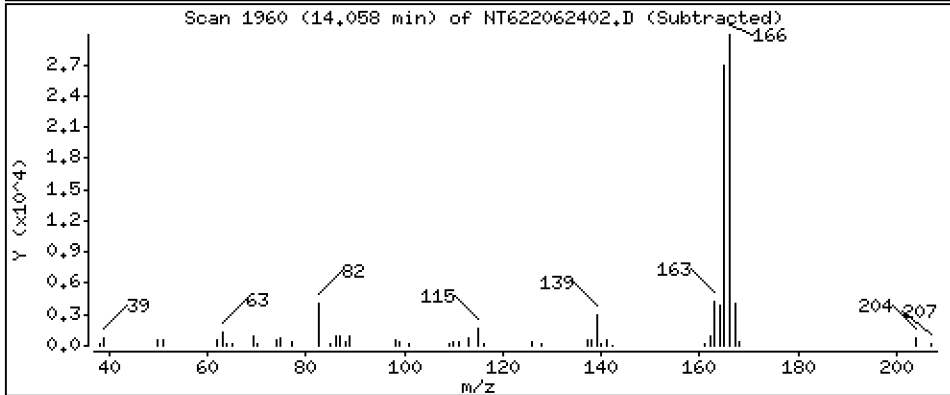
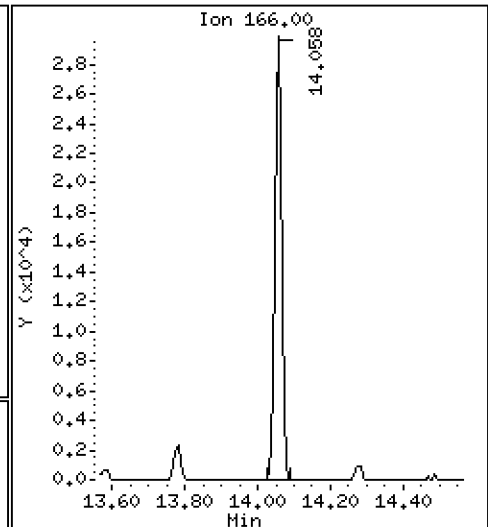
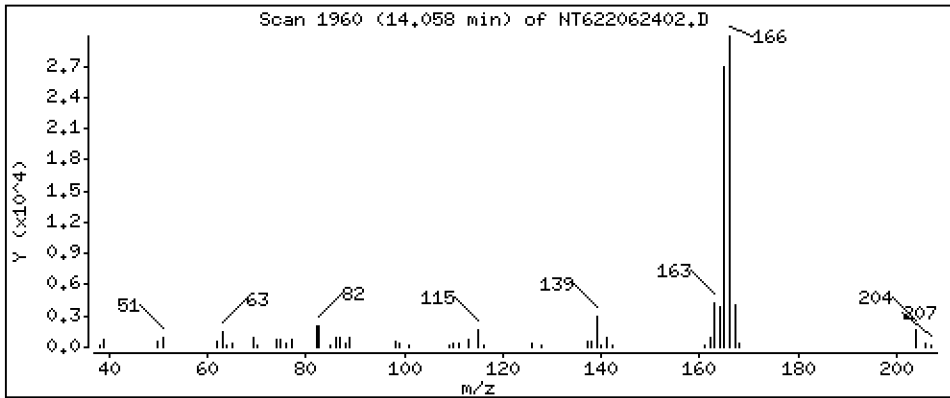
Operator: JZ

Column phase: ZB-5msi

Column diameter: 0.32

49 Fluorene

Concentration: 5.049 ug/mL



Date : 24-JUN-2022 10:59

Client ID:

Instrument: nt6.i

Sample Info: LCV220624

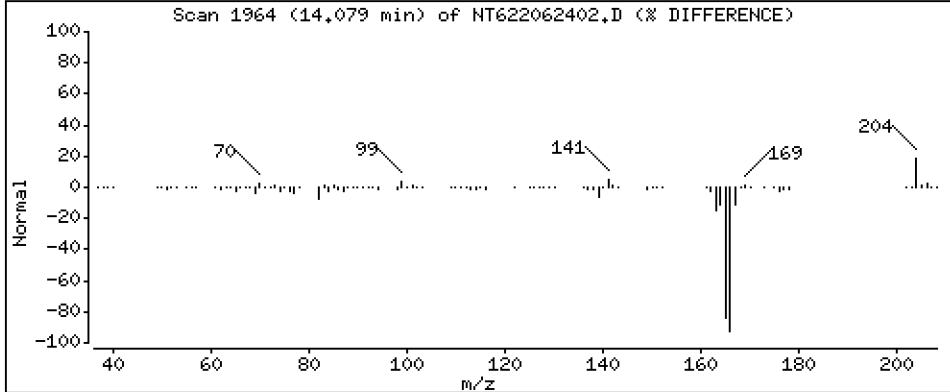
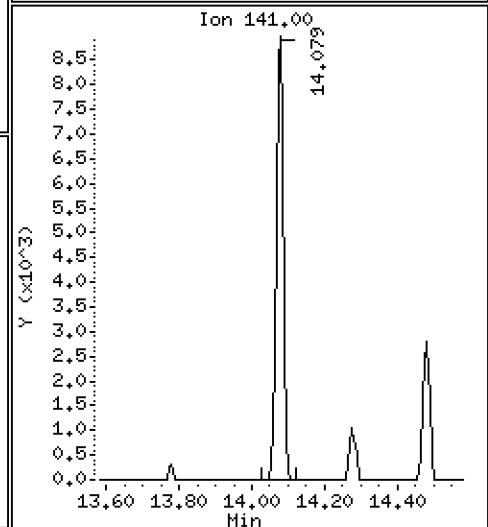
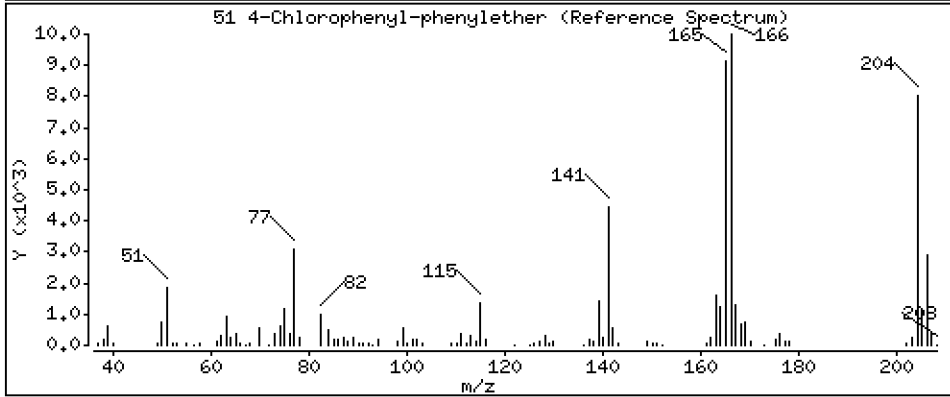
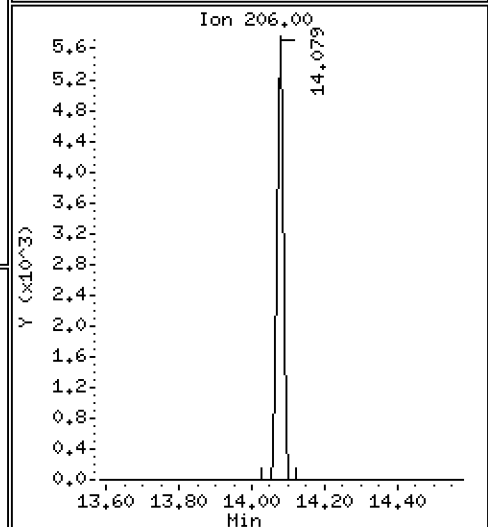
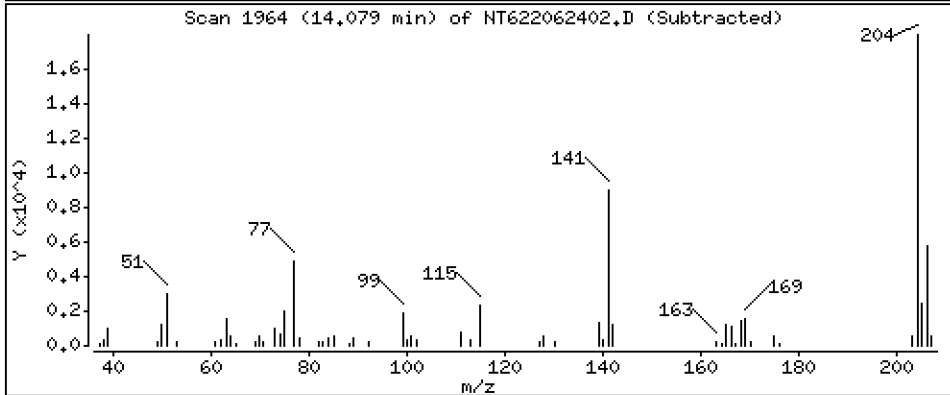
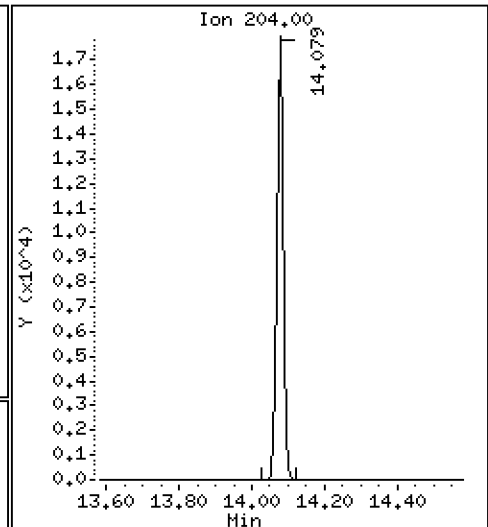
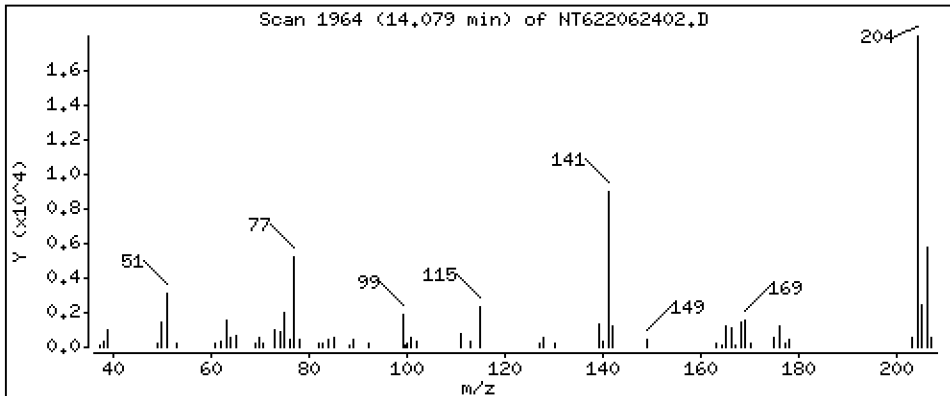
Operator: JZ

Column phase: ZB-5msi

Column diameter: 0,32

51 4-Chlorophenyl-phenylether

Concentration: 5,053 ug/mL



Date : 24-JUN-2022 10:59

Client ID:

Instrument: nt6.i

Sample Info: LCV220624

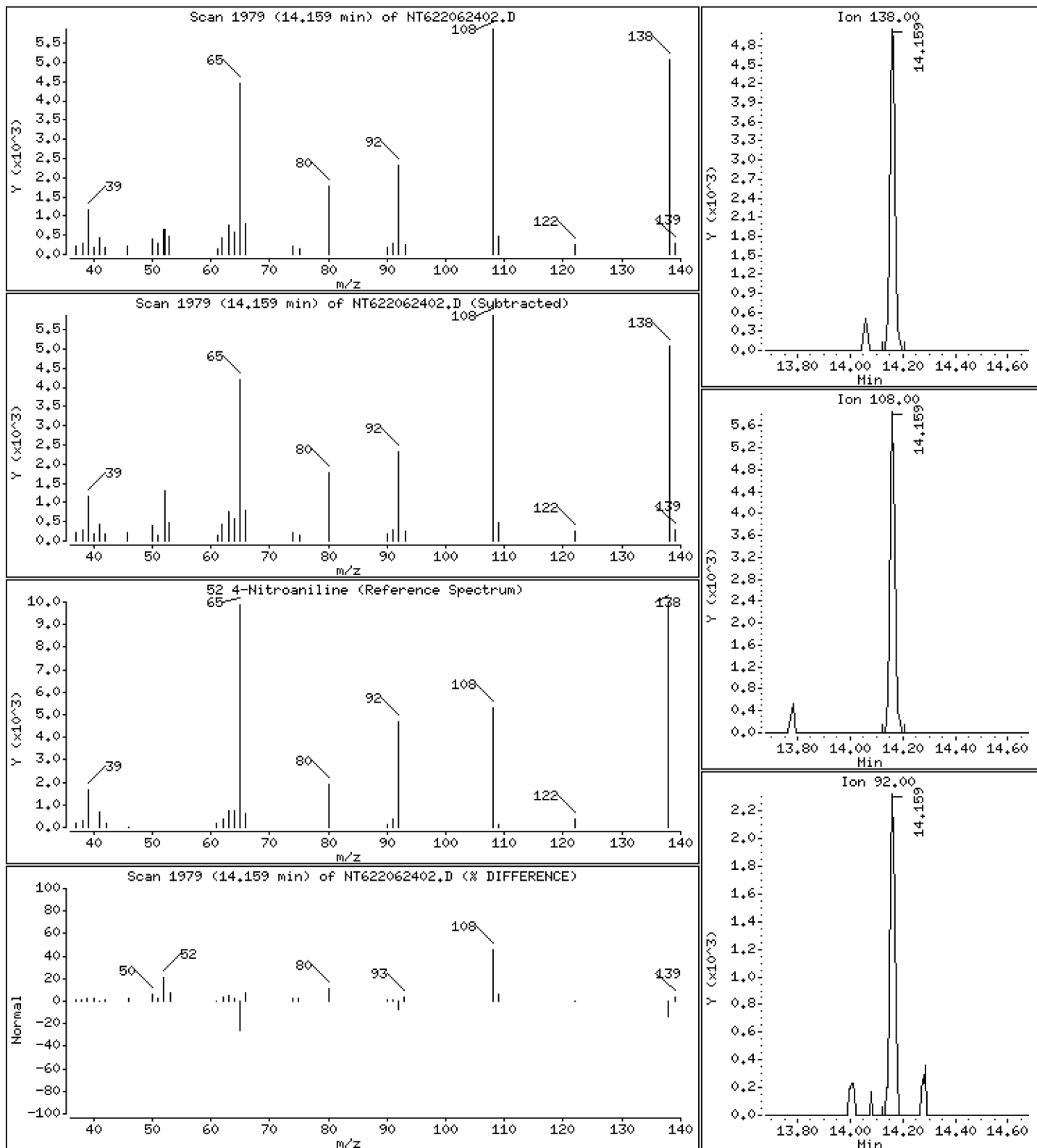
Operator: JZ

Column phase: ZB-5msi

Column diameter: 0.32

52 4-Nitroaniline

Concentration: 4.462 ug/mL



Date : 24-JUN-2022 10:59

Client ID:

Instrument: nt6.i

Sample Info: LCV220624

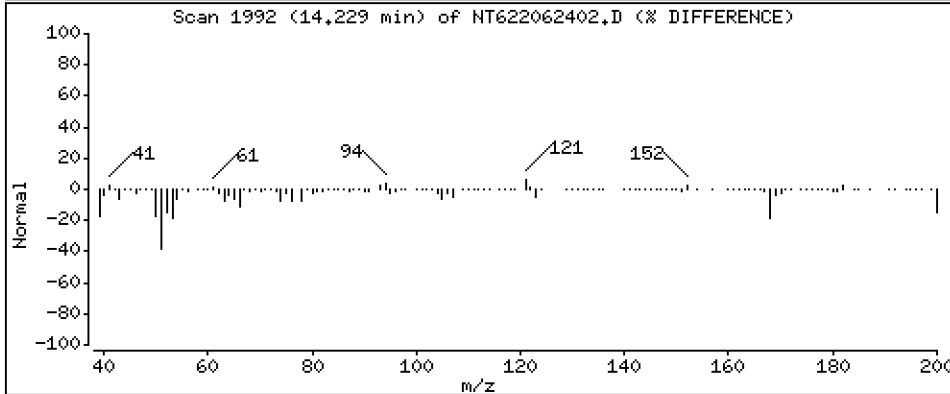
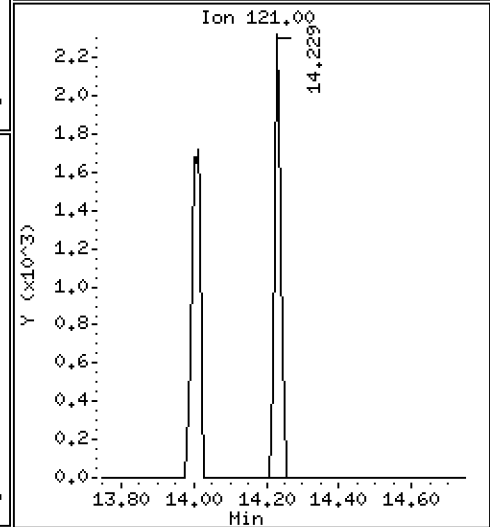
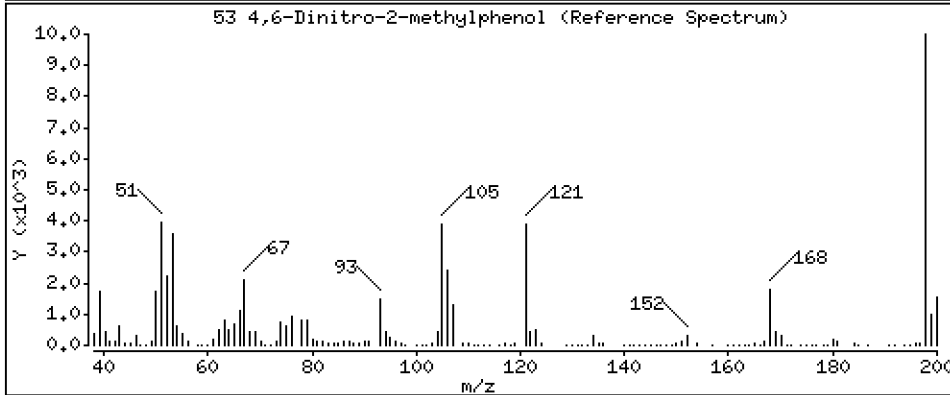
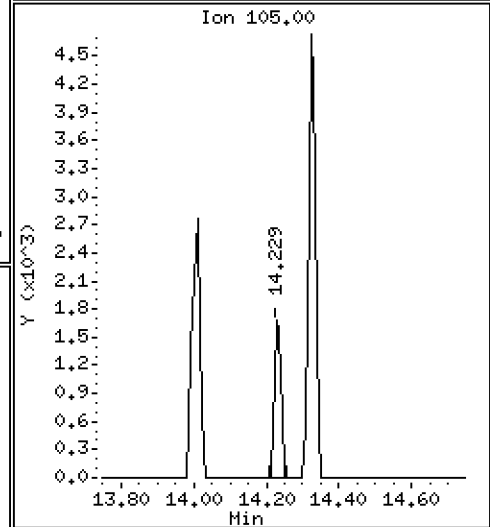
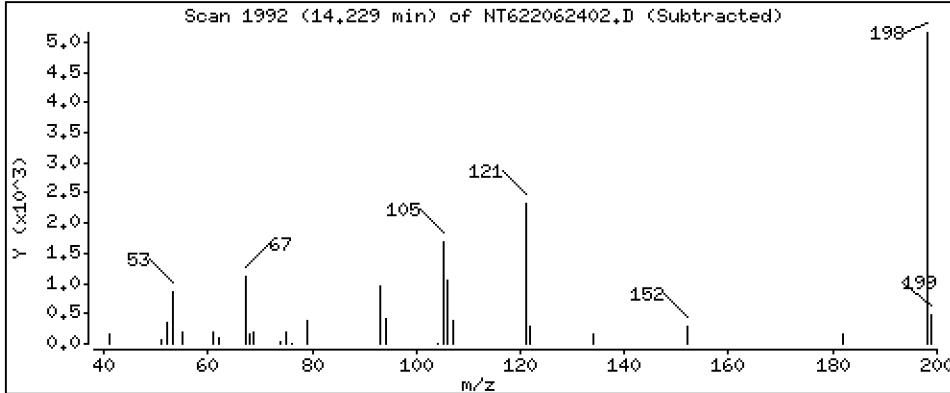
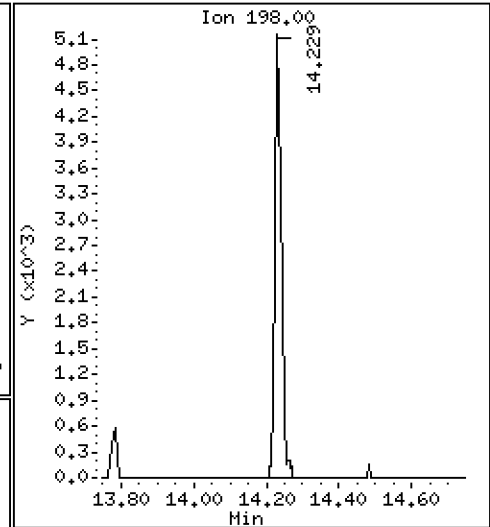
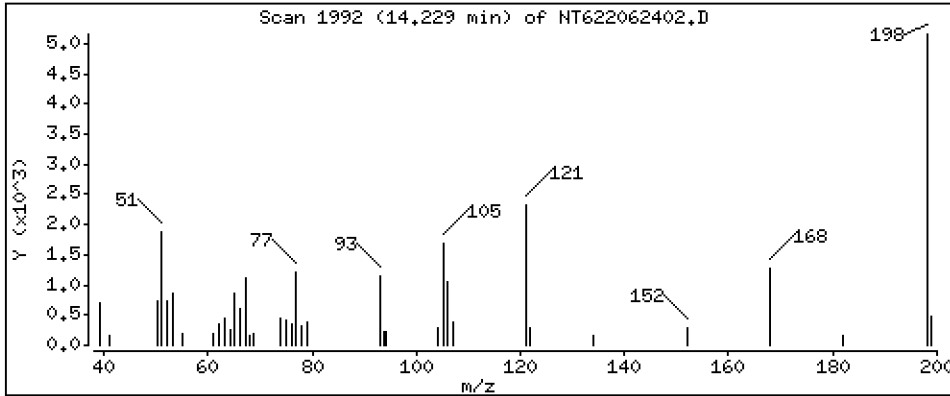
Operator: JZ

Column phase: ZB-5msi

Column diameter: 0.32

53 4,6-Dinitro-2-methylphenol

Concentration: 4.418 ug/mL



Date : 24-JUN-2022 10:59

Client ID:

Instrument: nt6.i

Sample Info: LCV220624

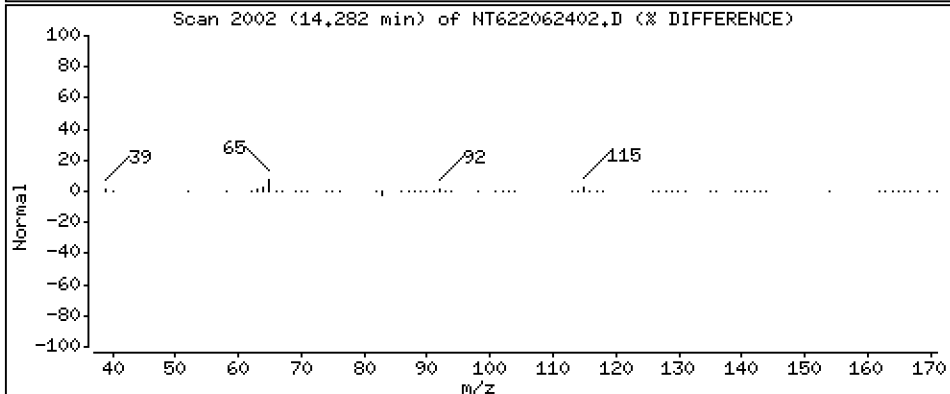
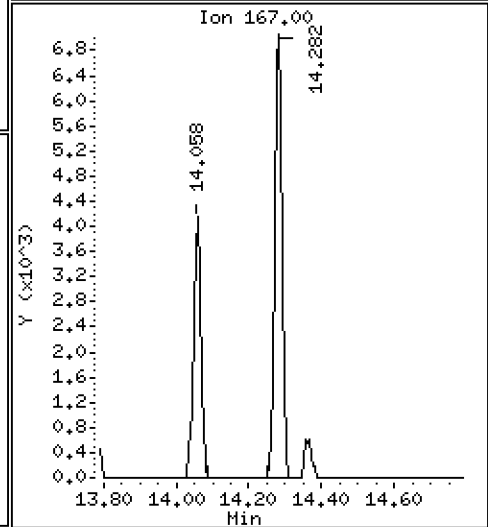
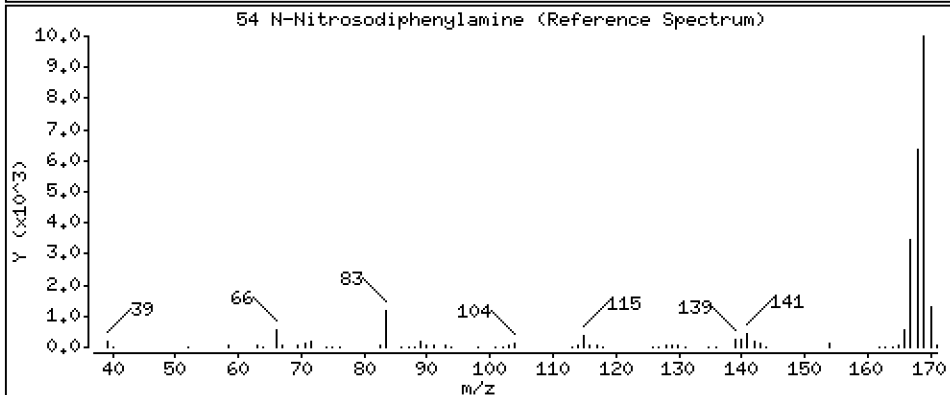
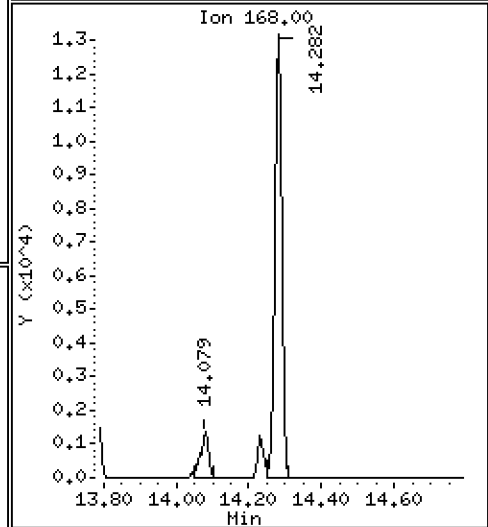
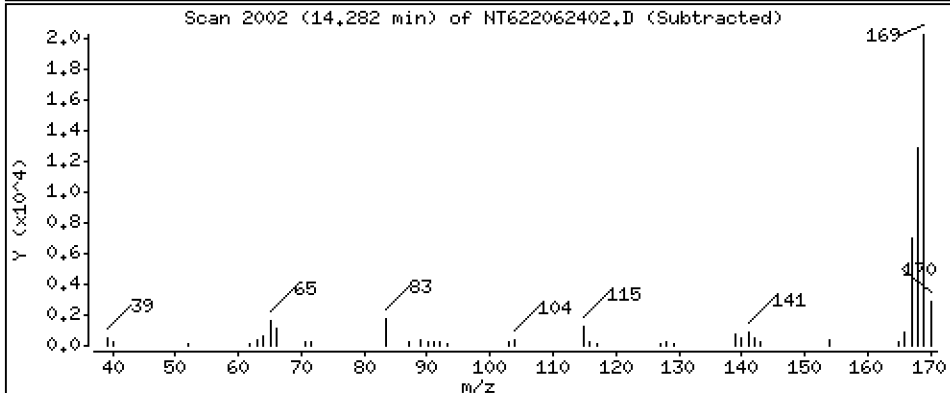
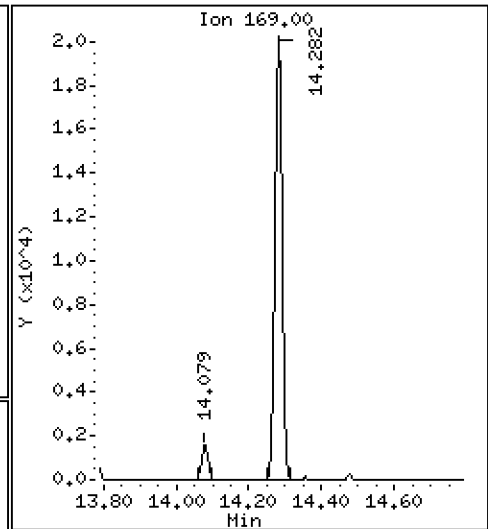
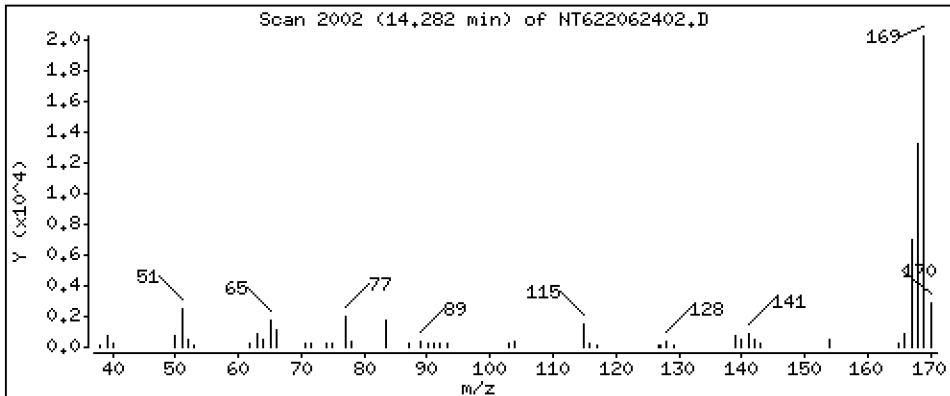
Operator: JZ

Column phase: ZB-5msi

Column diameter: 0.32

54 N-Nitrosodiphenylamine

Concentration: 4.858 ug/mL



Date : 24-JUN-2022 10:59

Client ID:

Instrument: nt6.i

Sample Info: LCV220624

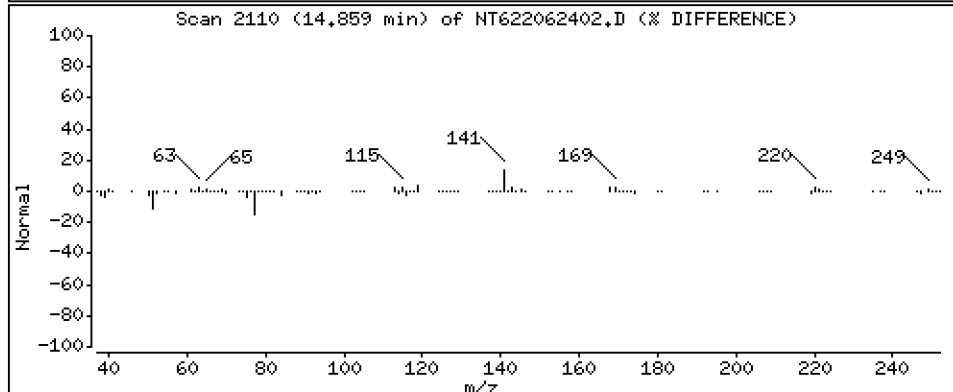
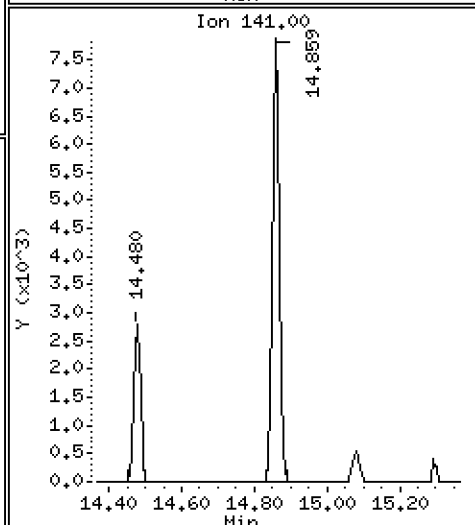
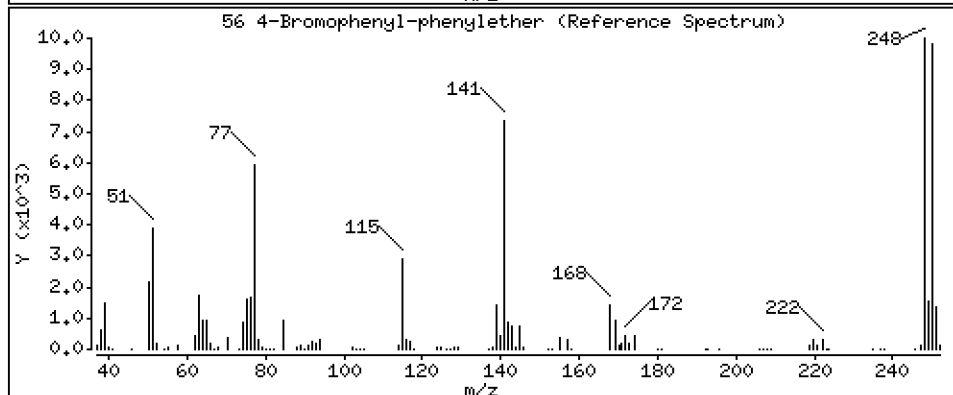
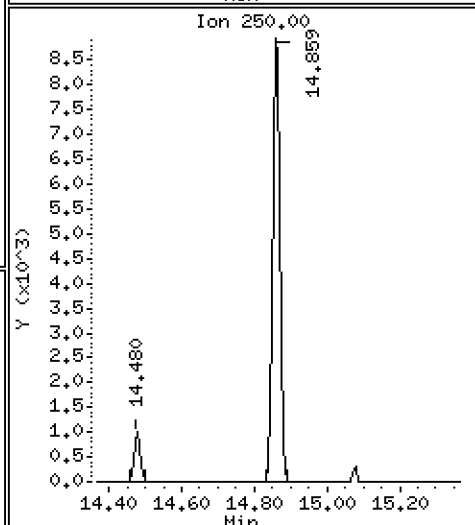
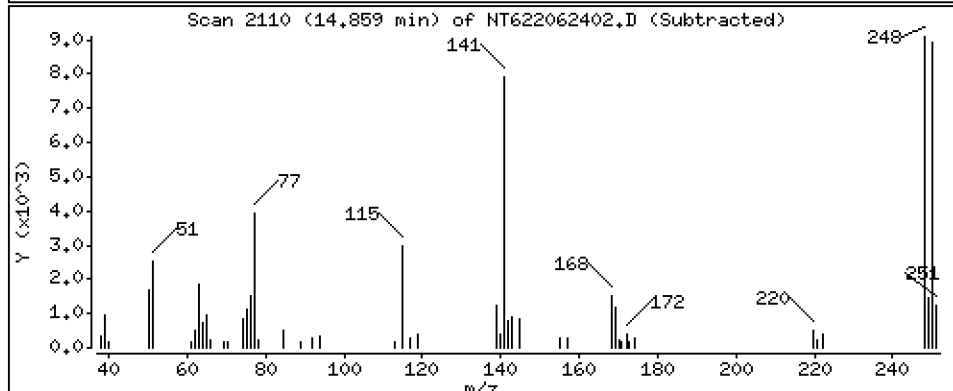
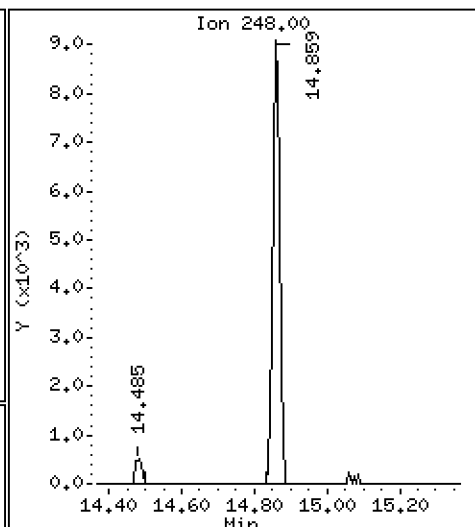
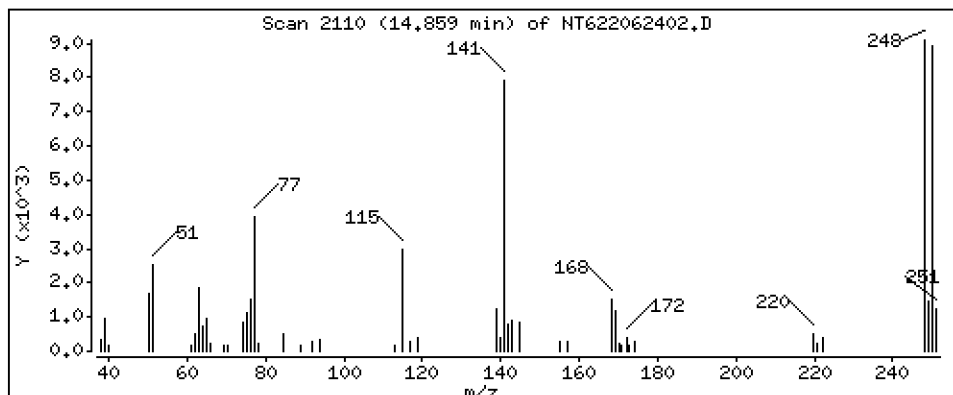
Operator: JZ

Column phase: ZB-5msi

Column diameter: 0.32

56 4-Bromophenyl-phenylether

Concentration: 4.903 ug/mL



Date : 24-JUN-2022 10:59

Client ID:

Instrument: nt6.i

Sample Info: LCV220624

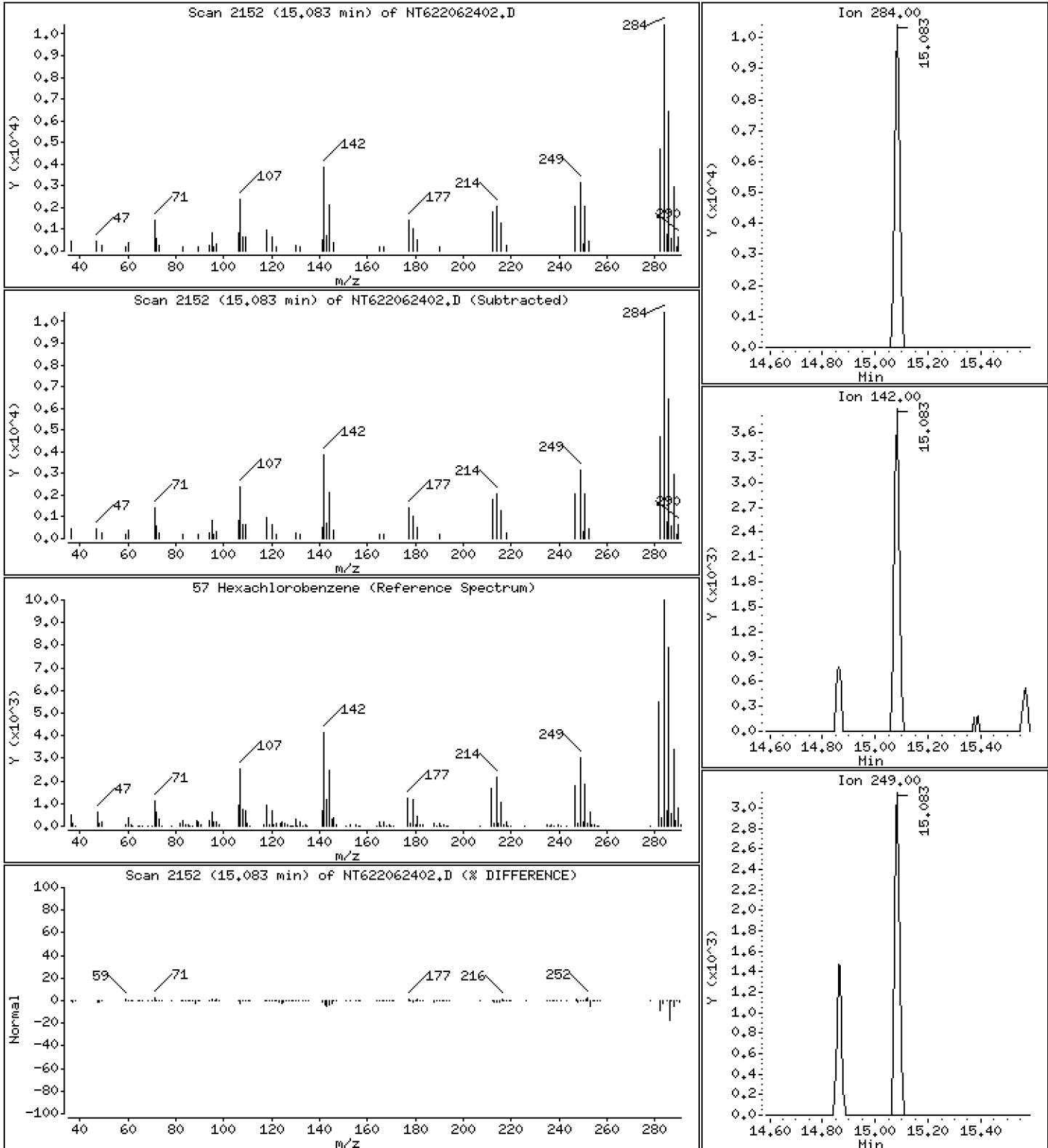
Operator: JZ

Column phase: ZB-5msi

Column diameter: 0.32

57 Hexachlorobenzene

Concentration: 5,188 ug/mL



Date : 24-JUN-2022 10:59

Client ID:

Instrument: nt6.i

Sample Info: LCV220624

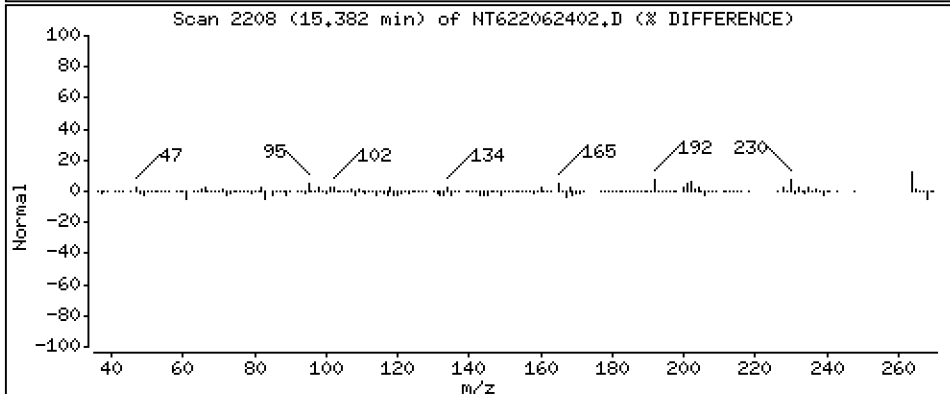
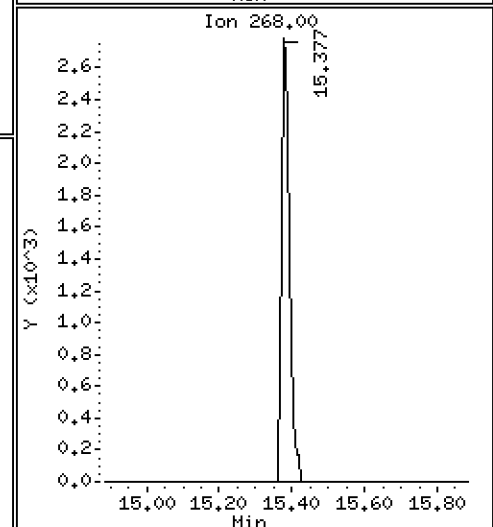
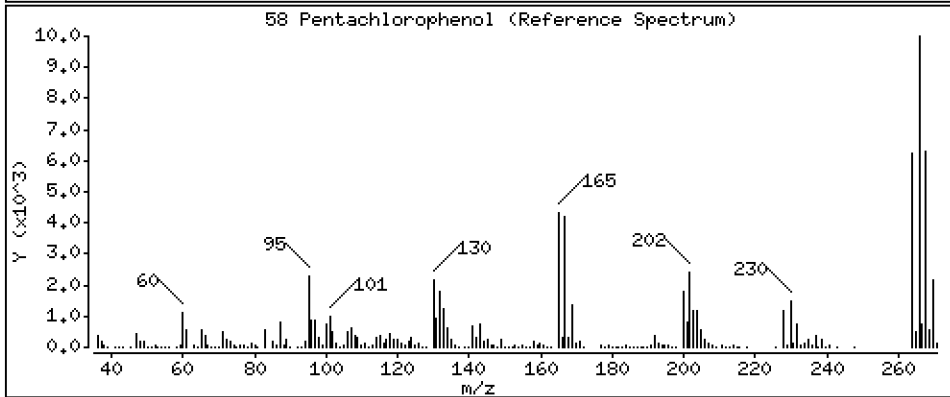
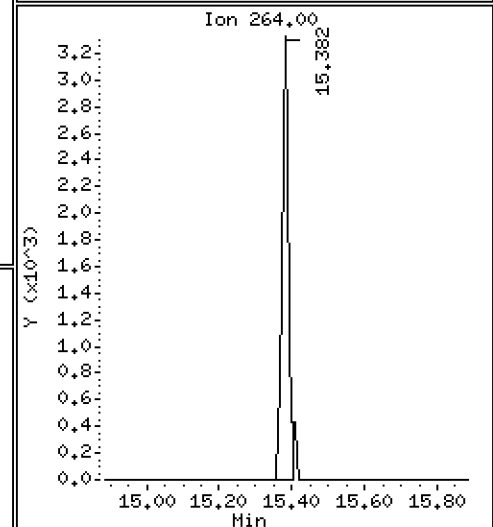
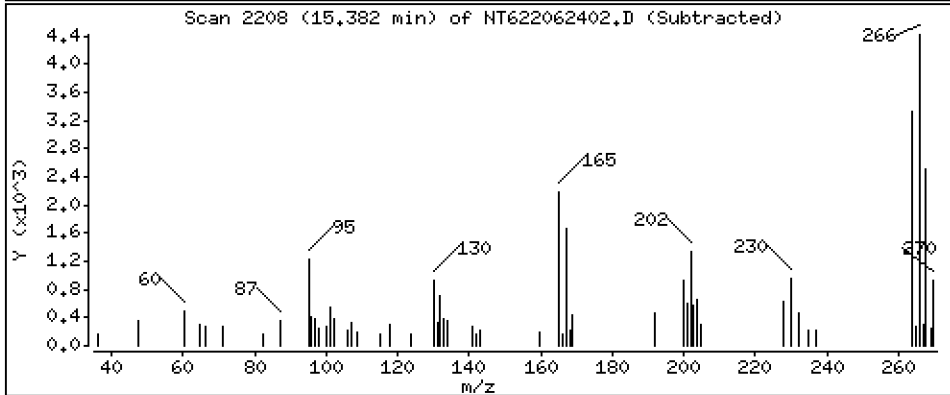
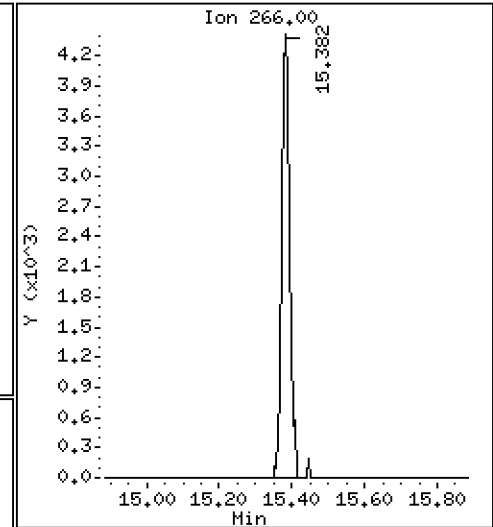
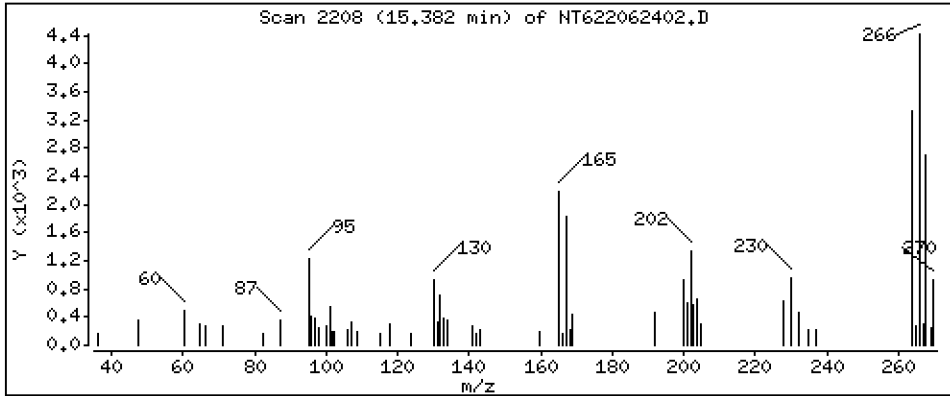
Operator: JZ

Column phase: ZB-5msi

Column diameter: 0.32

58 Pentachlorophenol

Concentration: 3,732 ug/mL



Date : 24-JUN-2022 10:59

Client ID:

Instrument: nt6.i

Sample Info: LCV220624

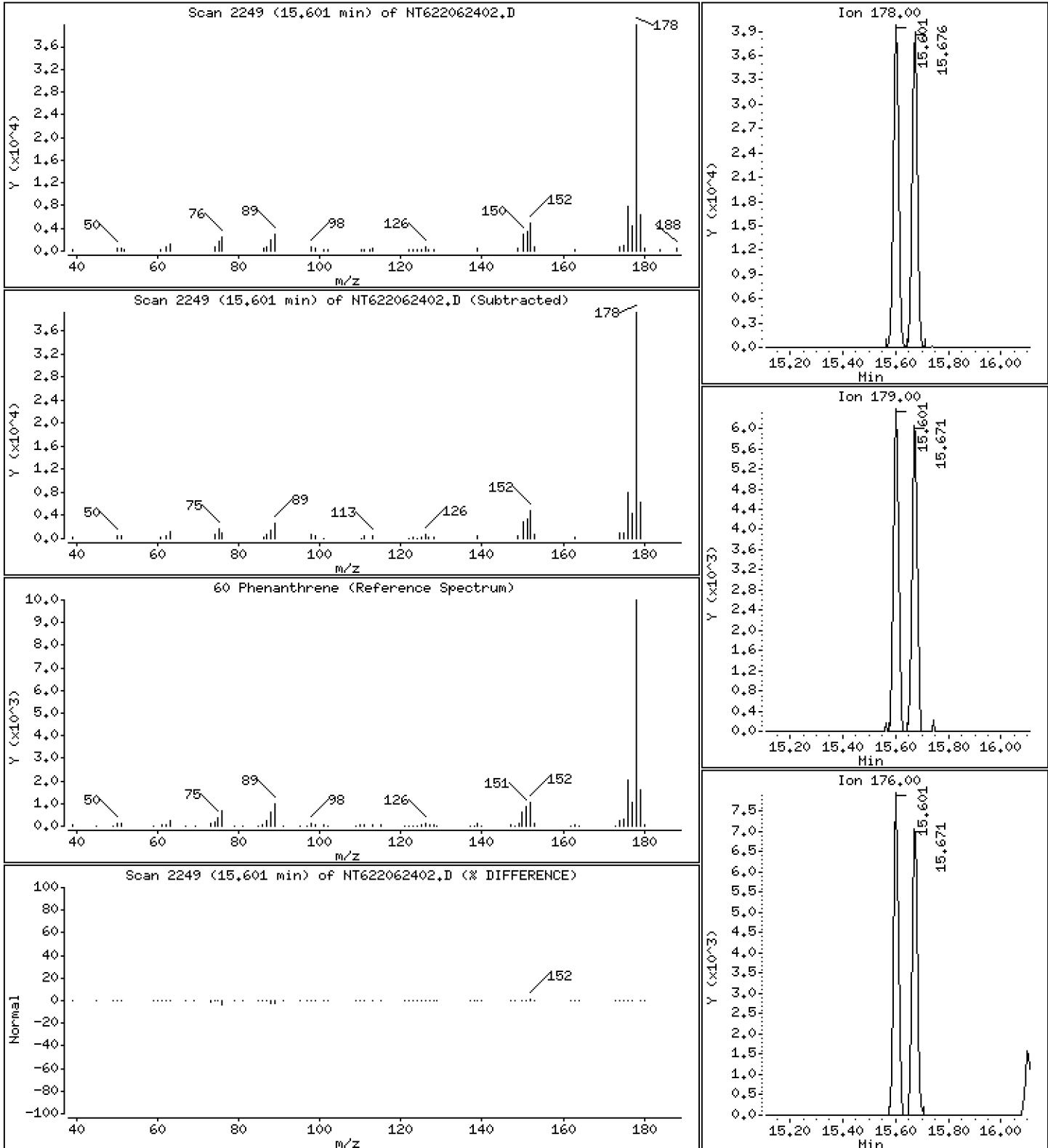
Operator: JZ

Column phase: ZB-5msi

Column diameter: 0.32

60 Phenanthrene

Concentration: 5,100 ug/mL



Date : 24-JUN-2022 10:59

Client ID:

Instrument: nt6.i

Sample Info: LCV220624

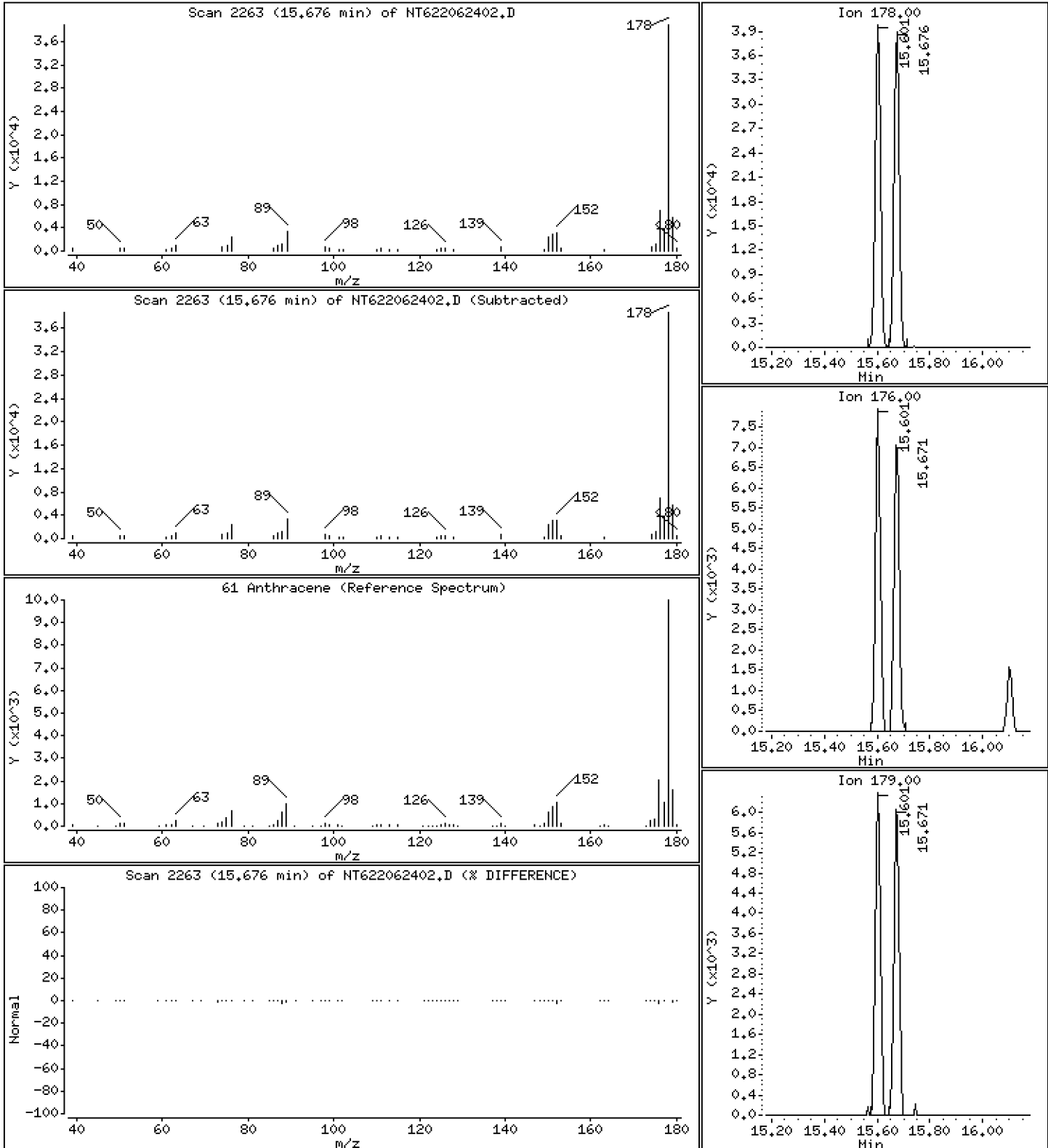
Operator: JZ

Column phase: ZB-5msi

Column diameter: 0.32

61 Anthracene

Concentration: 4.982 ug/mL



Date : 24-JUN-2022 10:59

Client ID:

Instrument: nt6.i

Sample Info: LCV220624

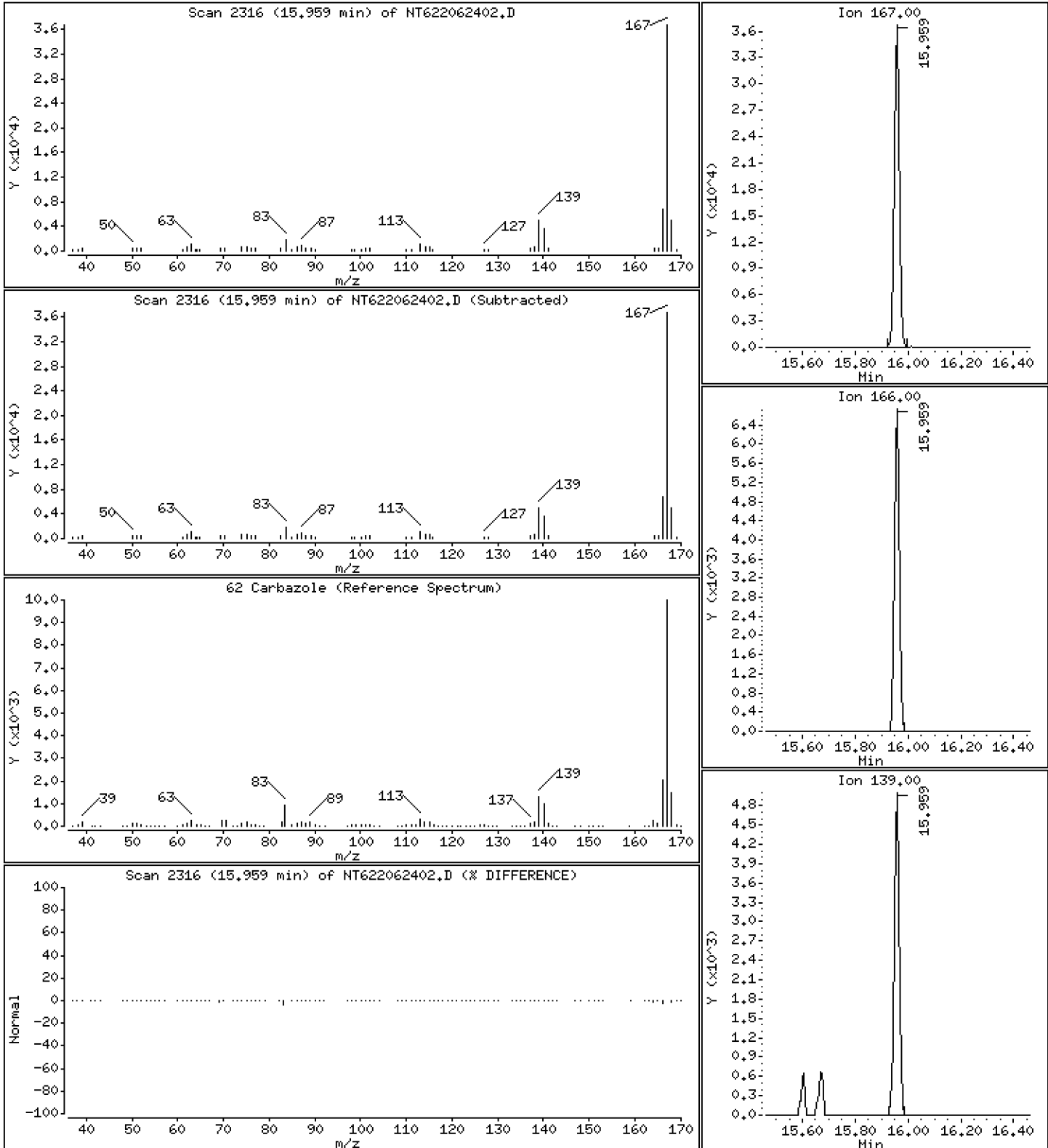
Operator: JZ

Column phase: ZB-5msi

Column diameter: 0.32

62 Carbazole

Concentration: 5.168 ug/mL



Date : 24-JUN-2022 10:59

Client ID:

Instrument: nt6.i

Sample Info: LCV220624

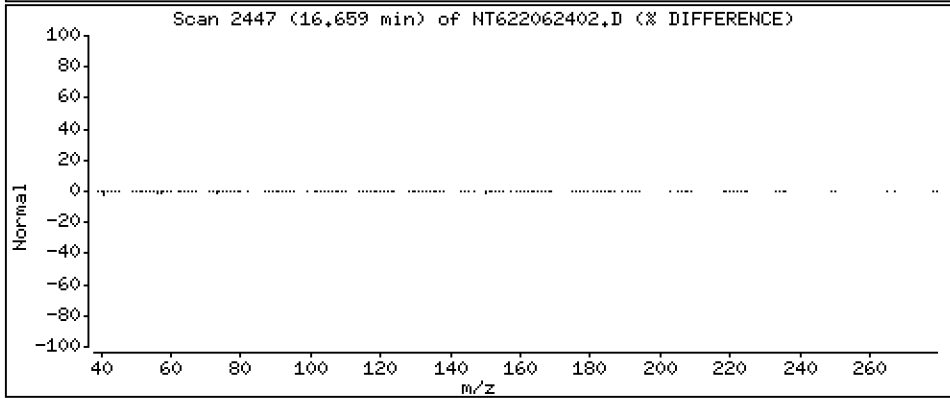
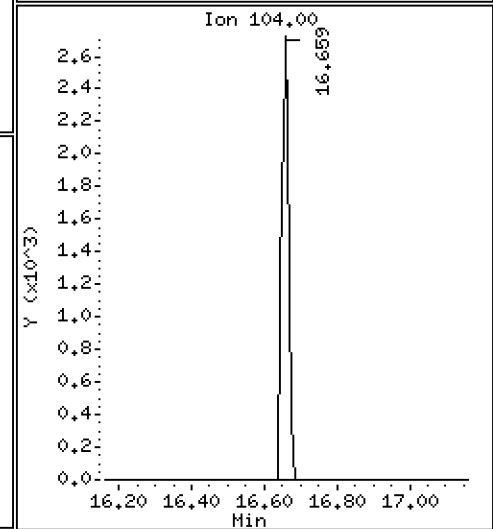
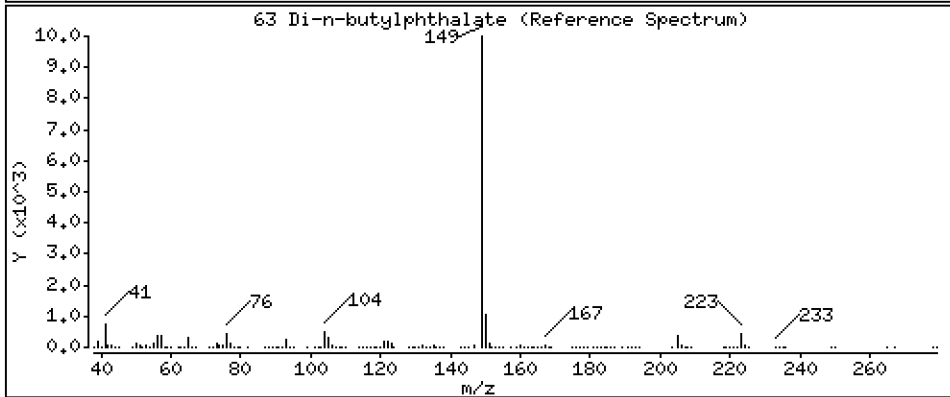
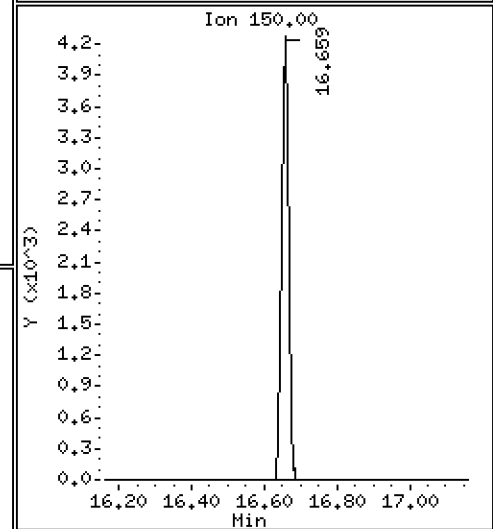
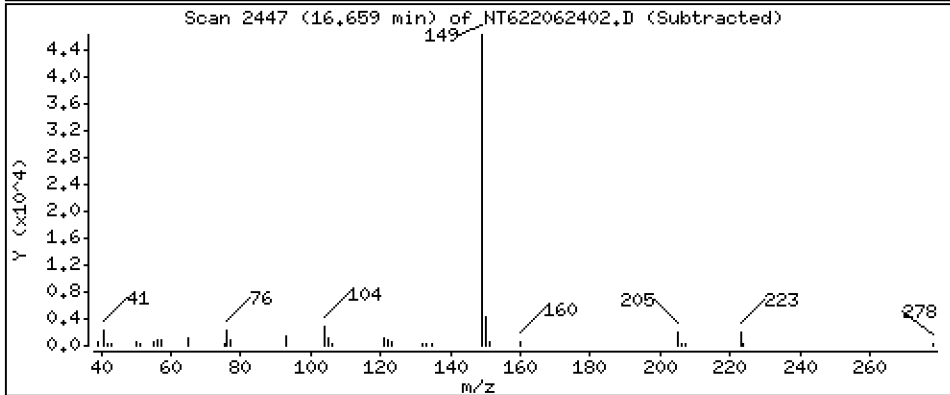
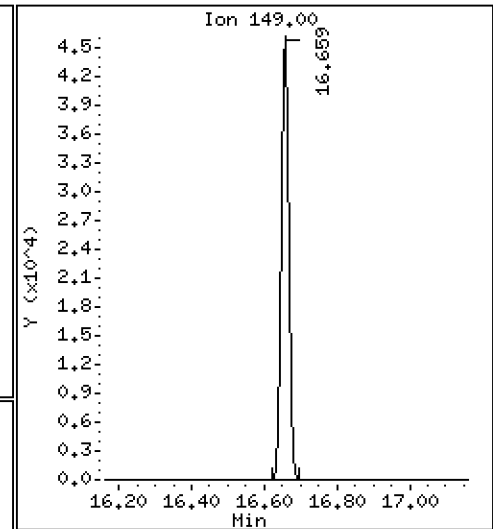
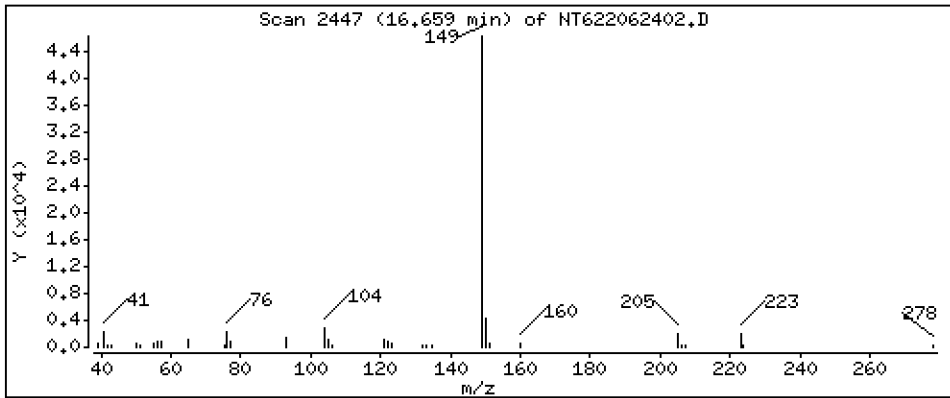
Operator: JZ

Column phase: ZB-5msi

Column diameter: 0.32

63 Di-n-butylphthalate

Concentration: 5.681 ug/mL



Date : 24-JUN-2022 10:59

Client ID:

Instrument: nt6.i

Sample Info: LCV220624

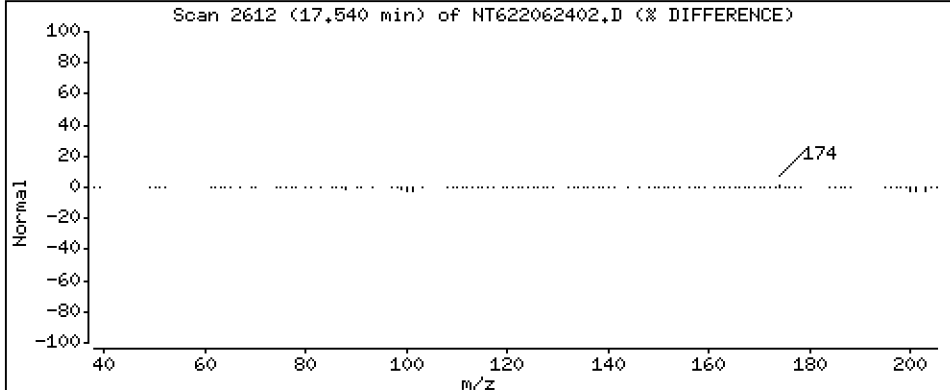
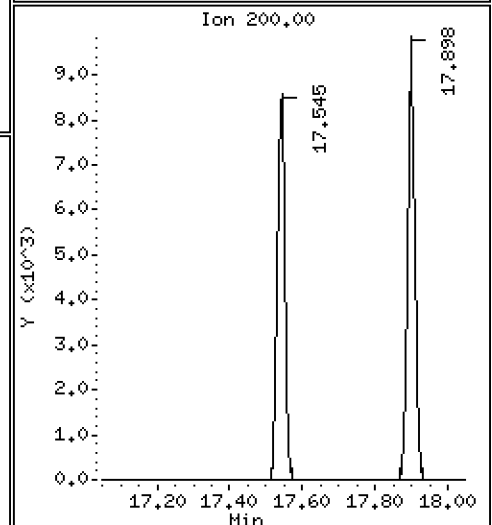
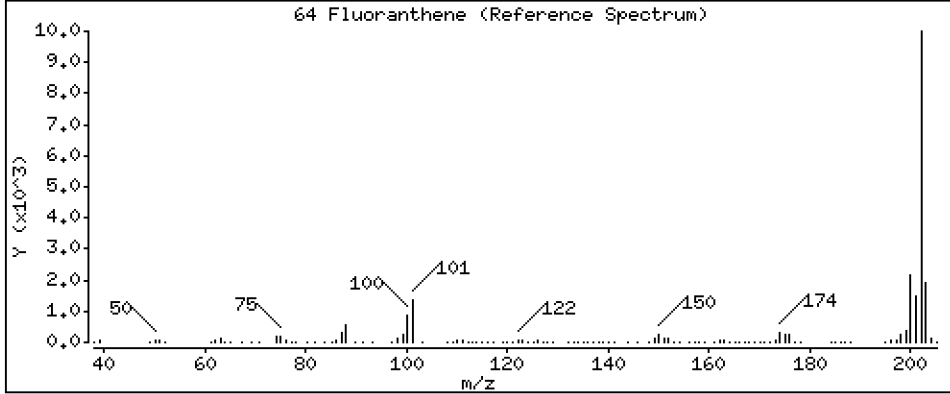
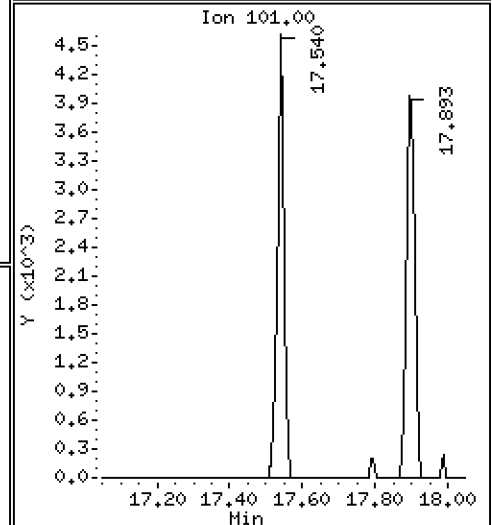
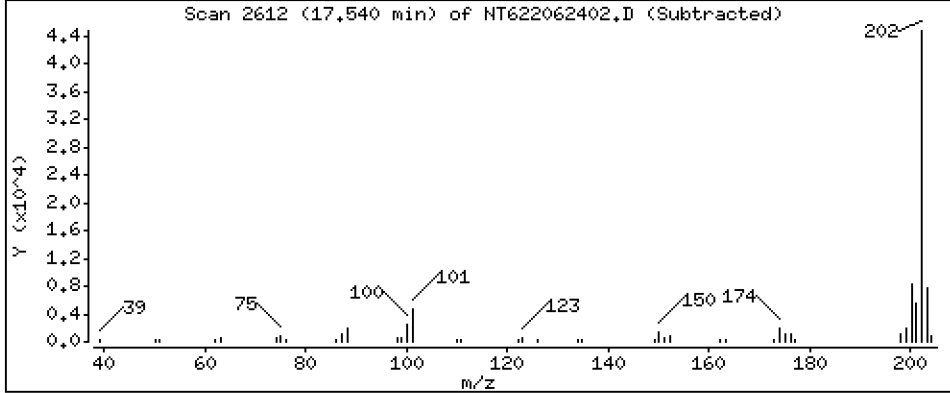
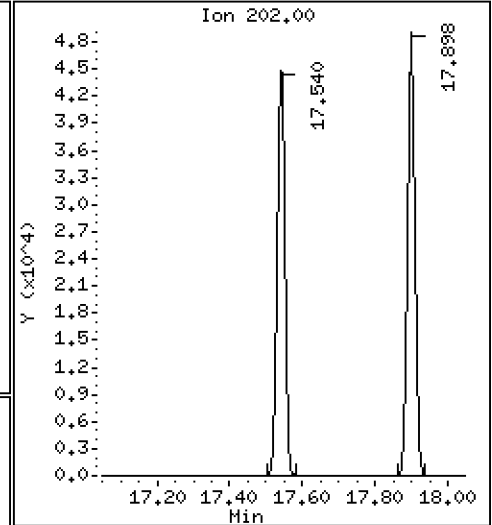
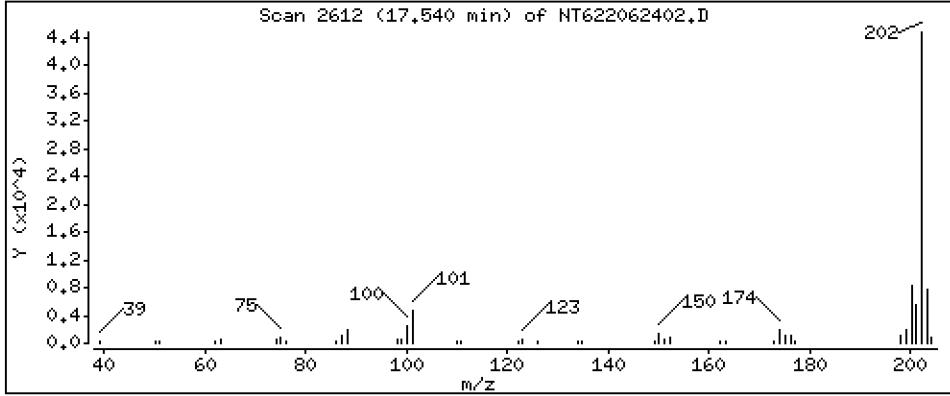
Operator: JZ

Column phase: ZB-5msi

Column diameter: 0.32

64 Fluoranthene

Concentration: 5.466 ug/mL



Date : 24-JUN-2022 10:59

Client ID:

Instrument: nt6.i

Sample Info: LCV220624

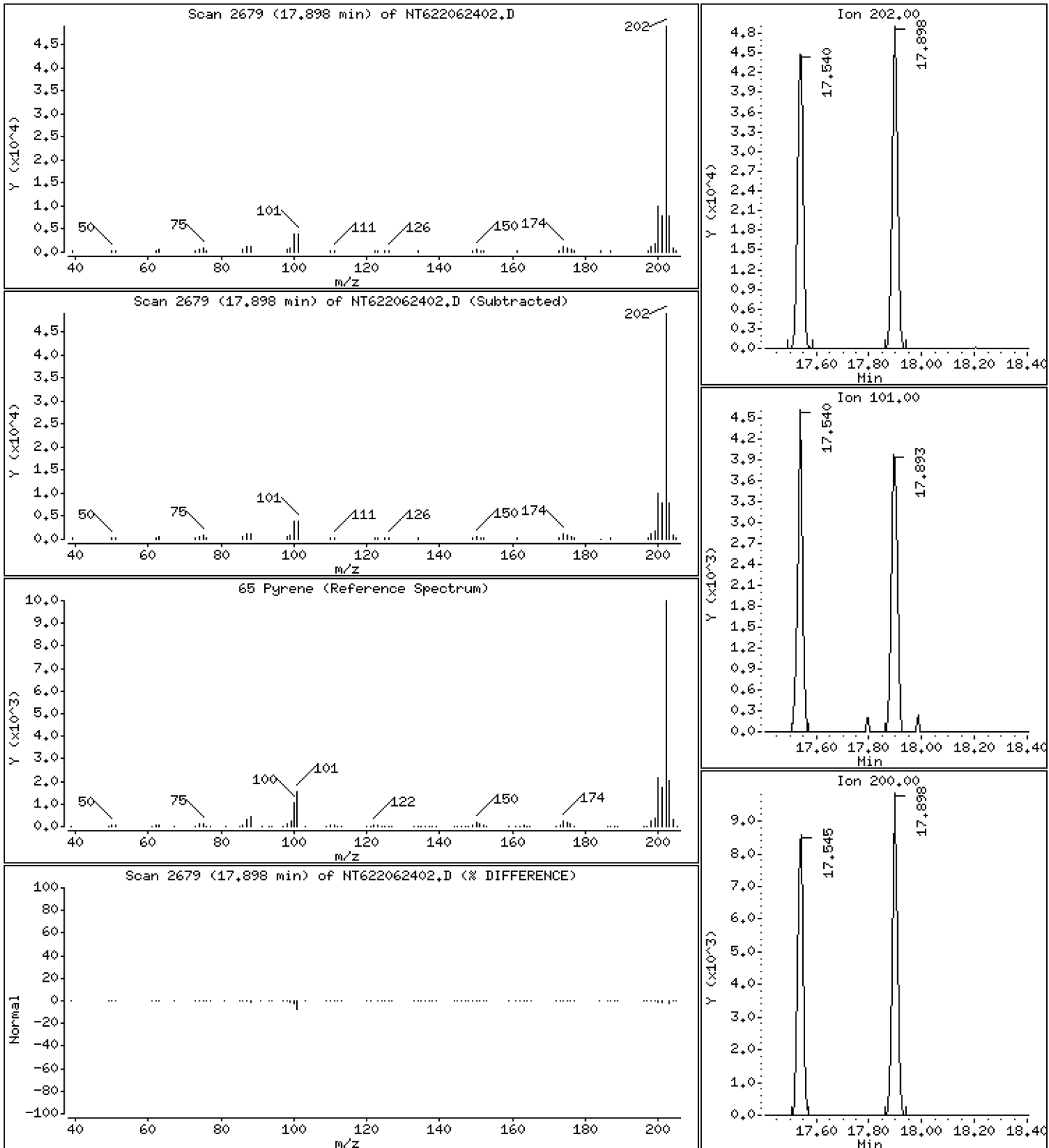
Operator: JZ

Column phase: ZB-5msi

Column diameter: 0.32

65 Pyrene

Concentration: 4.945 ug/mL



Date : 24-JUN-2022 10:59

Client ID:

Instrument: nt6.i

Sample Info: LCV220624

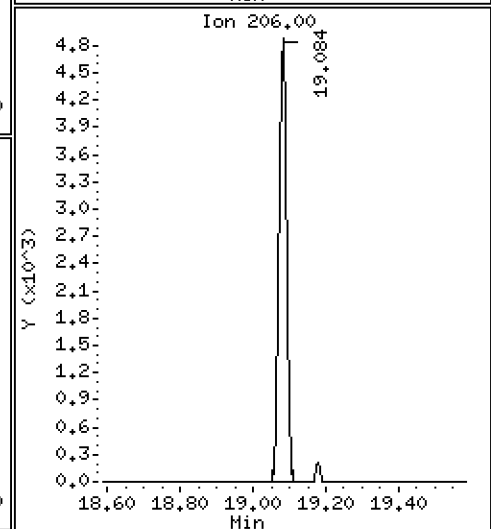
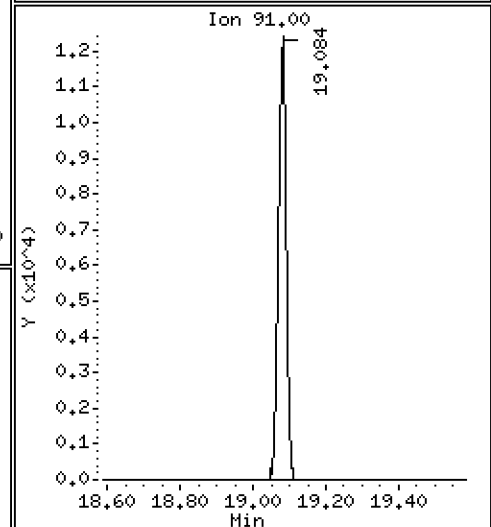
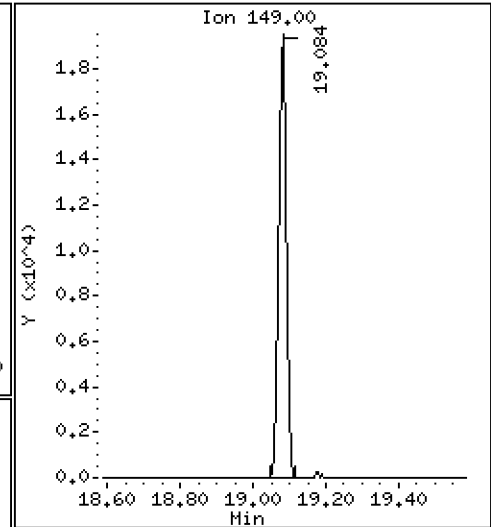
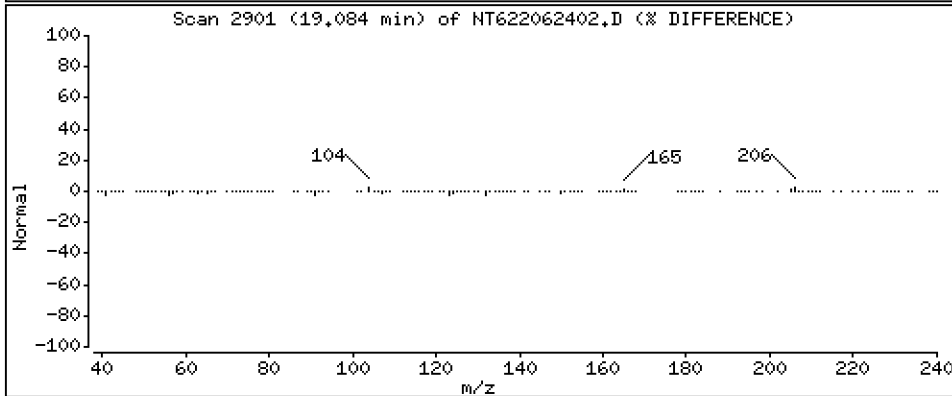
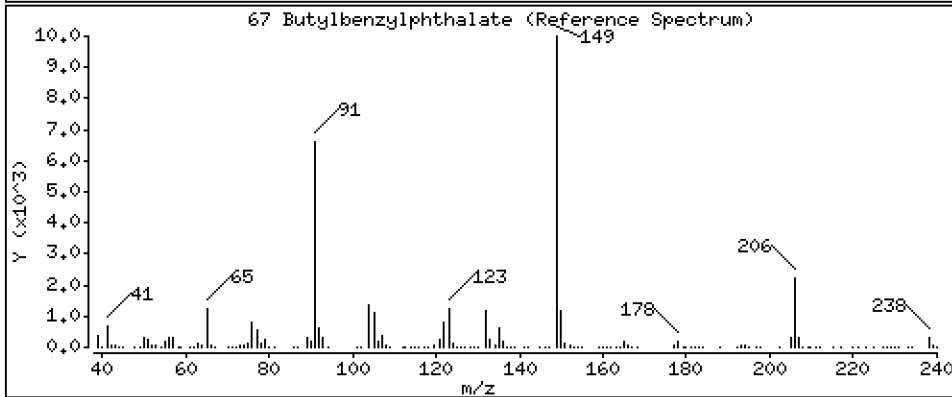
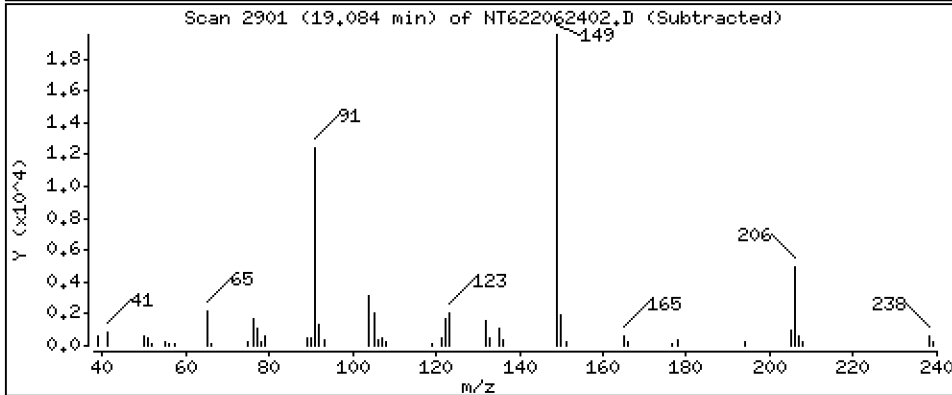
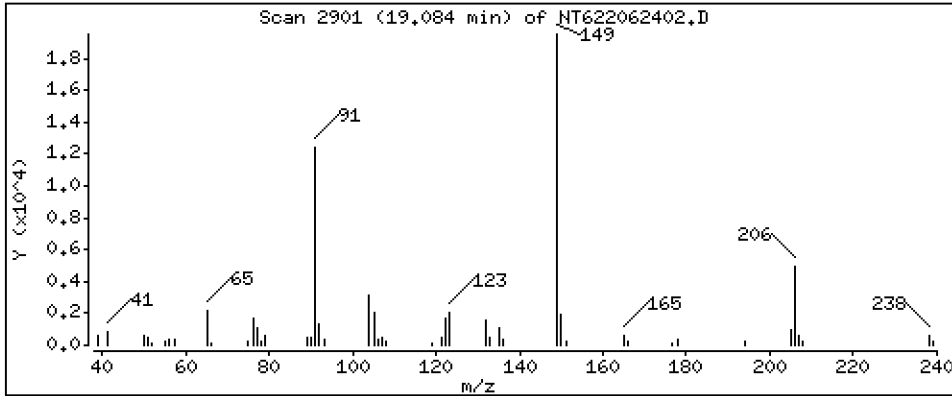
Operator: JZ

Column phase: ZB-5msi

Column diameter: 0.32

67 Butylbenzylphthalate

Concentration: 5.261 ug/mL



Date : 24-JUN-2022 10:59

Client ID:

Instrument: nt6.i

Sample Info: LCV220624

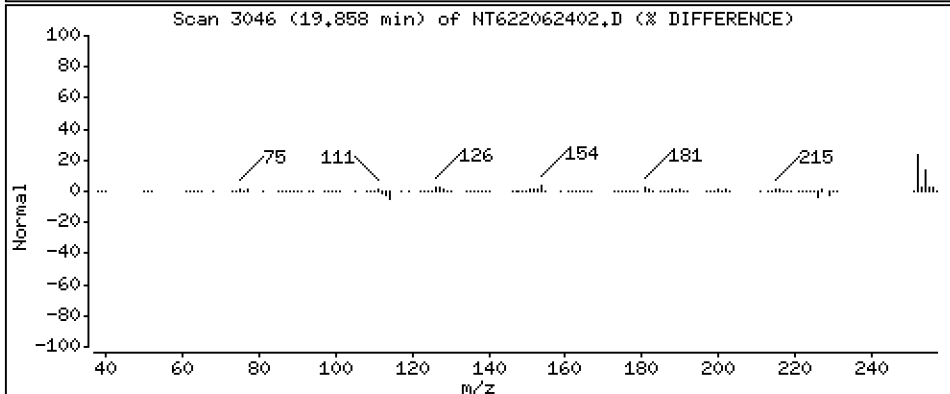
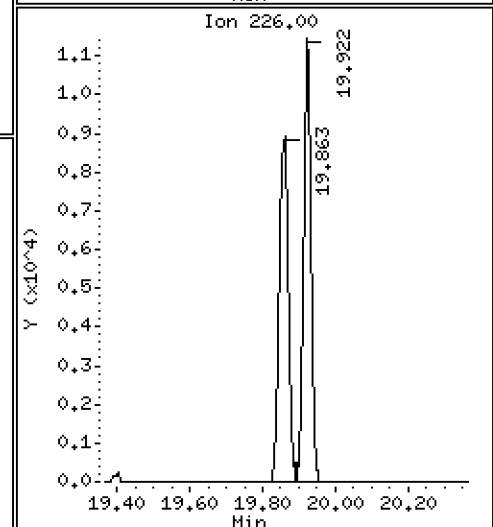
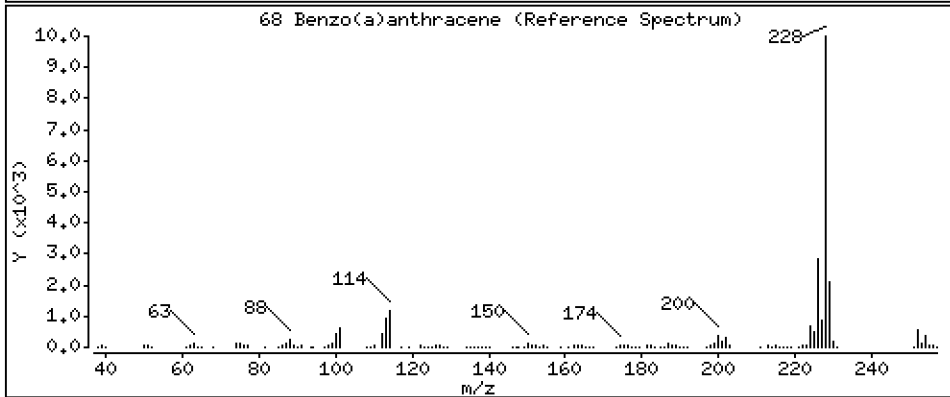
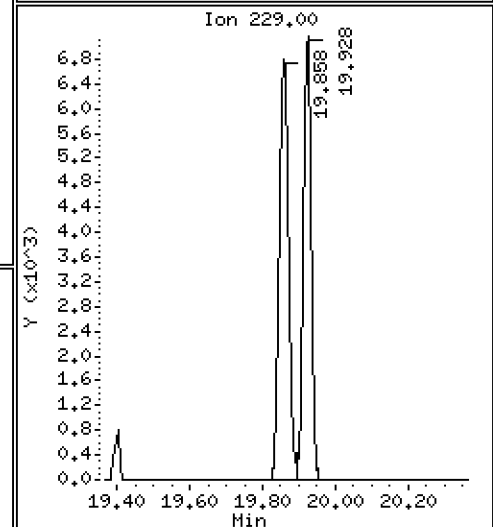
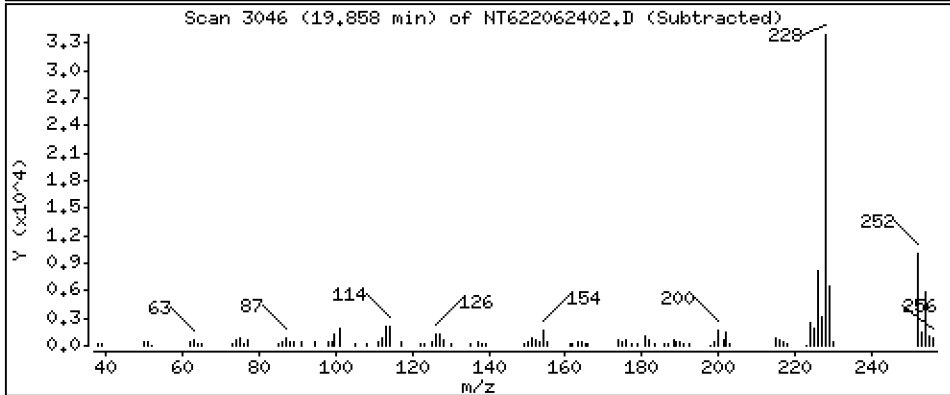
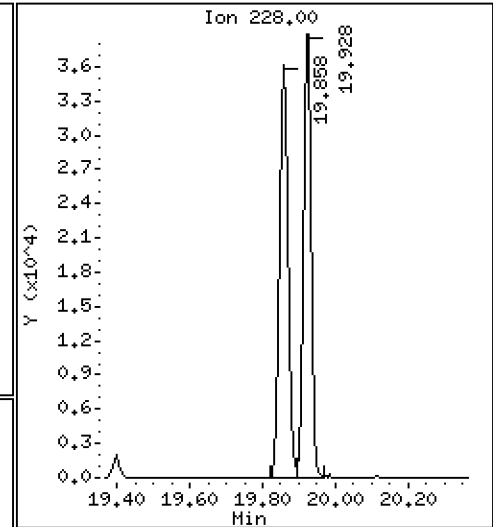
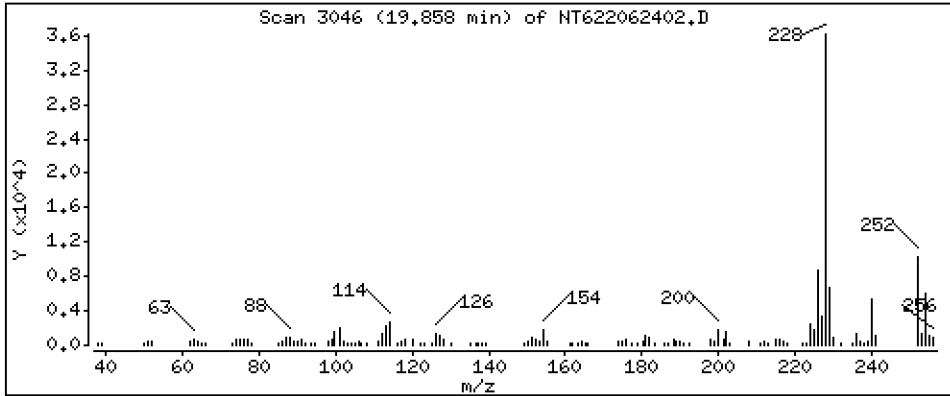
Operator: JZ

Column phase: ZB-5msi

Column diameter: 0.32

68 Benzo(a)anthracene

Concentration: 4.891 ug/mL



Date : 24-JUN-2022 10:59

Client ID:

Instrument: nt6.i

Sample Info: LCV220624

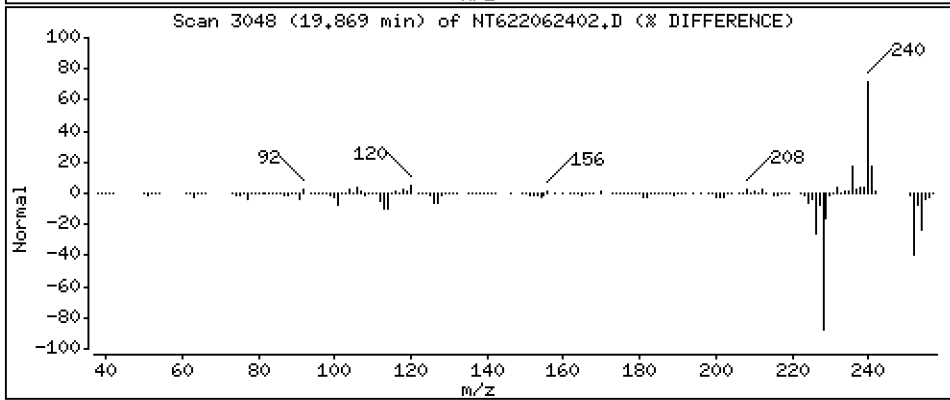
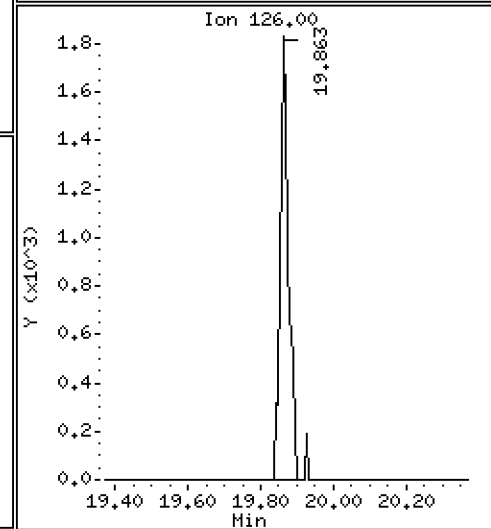
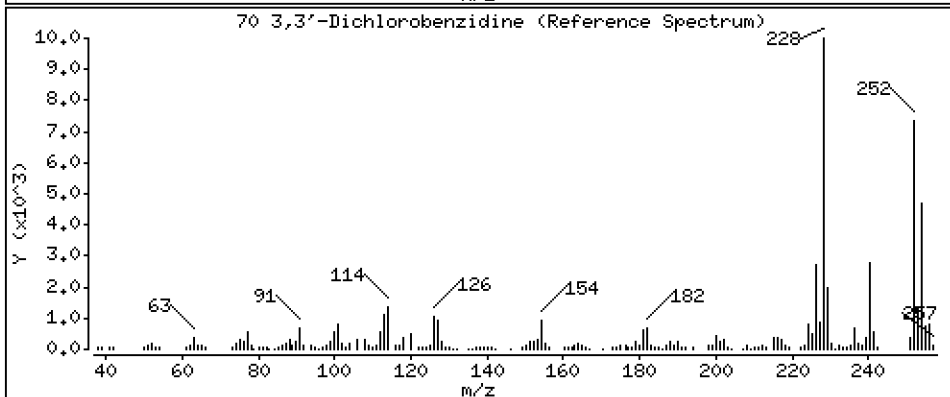
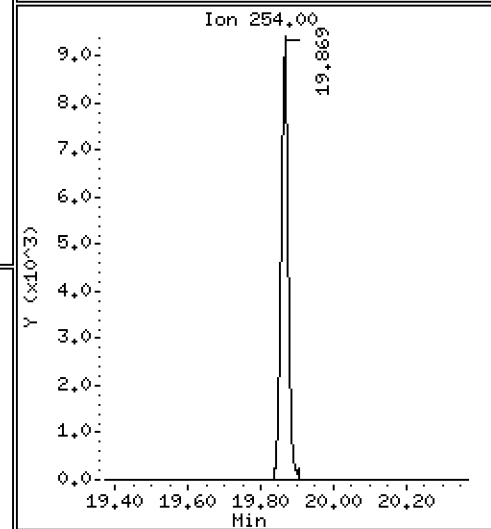
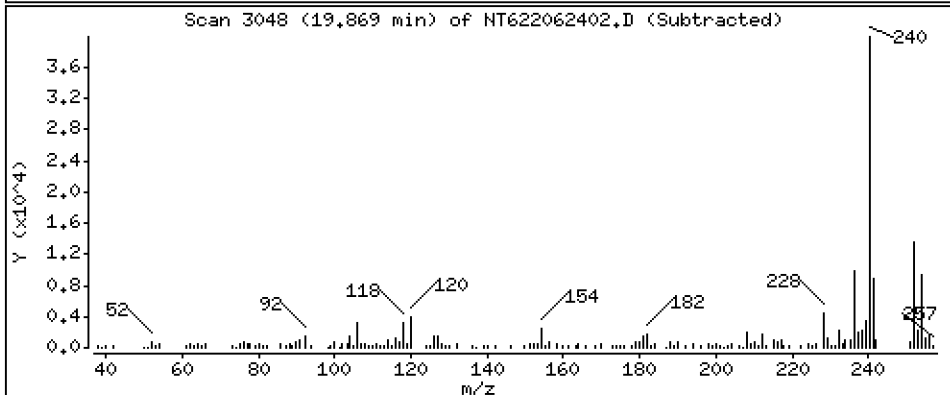
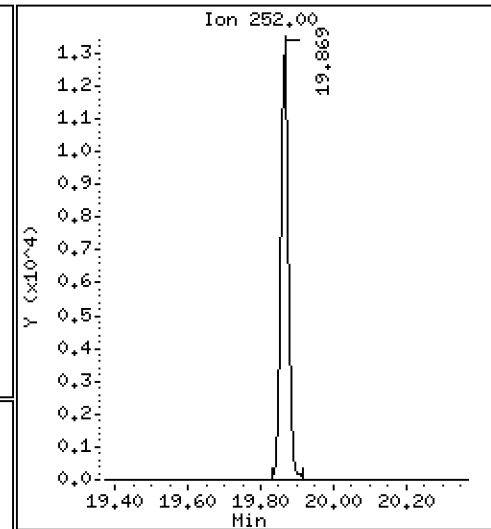
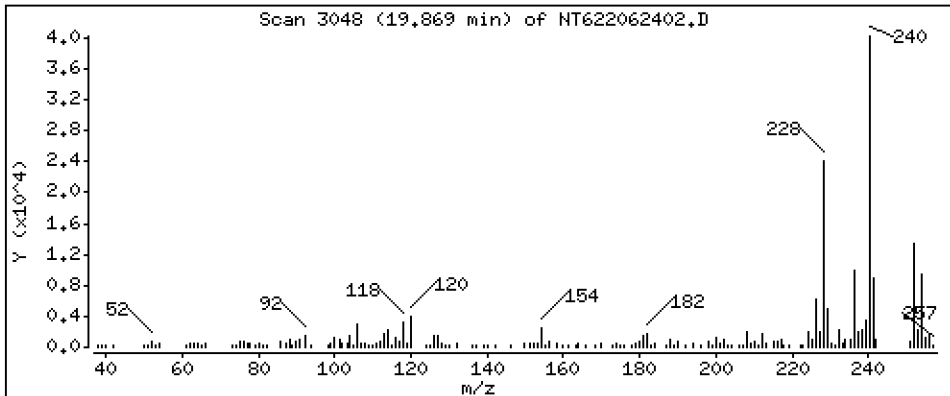
Operator: JZ

Column phase: ZB-5msi

Column diameter: 0.32

70 3,3'-Dichlorobenzidine

Concentration: 5,238 ug/mL



Date : 24-JUN-2022 10:59

Client ID:

Instrument: nt6.i

Sample Info: LCV220624

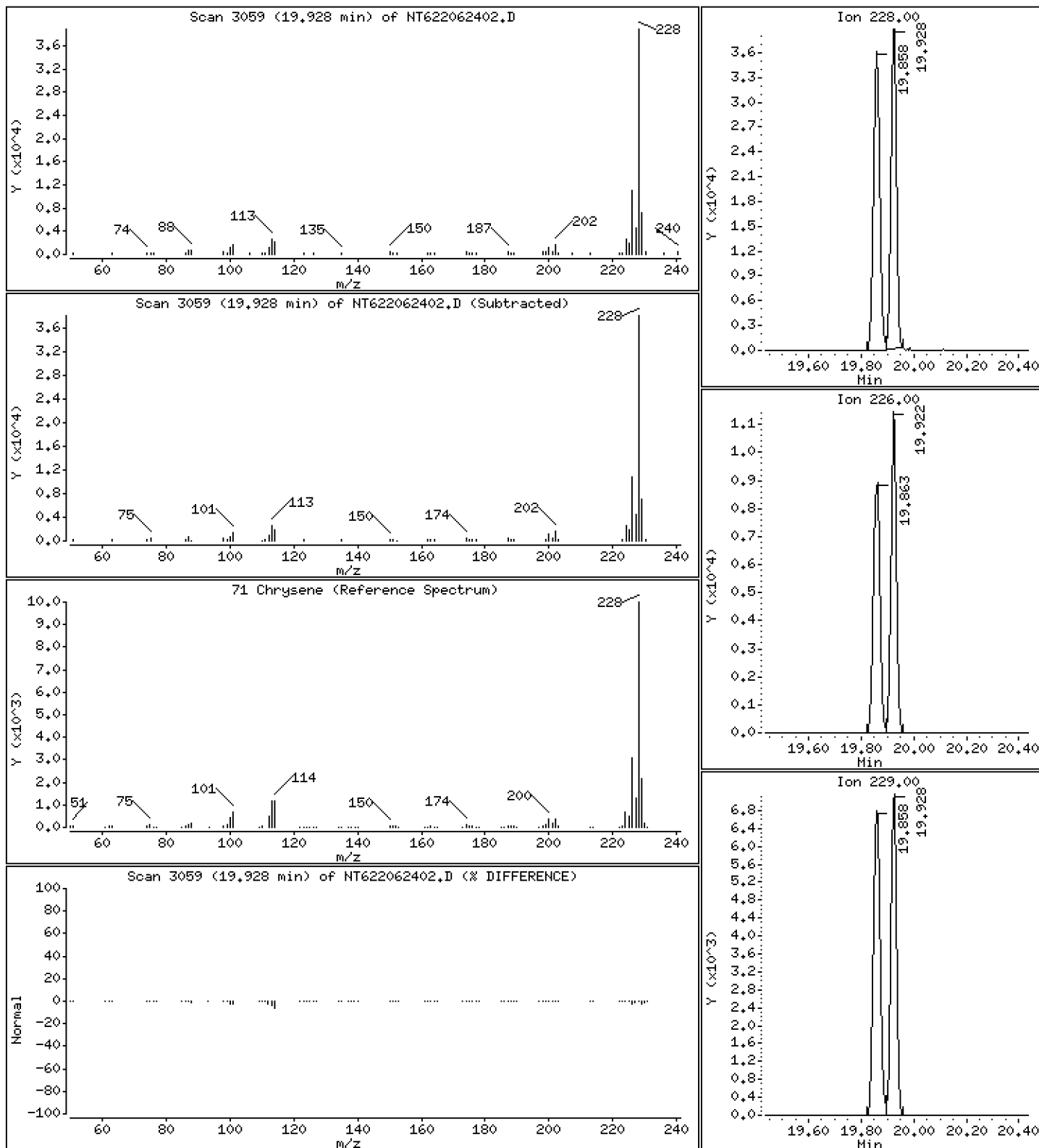
Operator: JZ

Column phase: ZB-5msi

Column diameter: 0.32

71 Chrysene

Concentration: 5.001 ug/mL



Date : 24-JUN-2022 10:59

Client ID:

Instrument: nt6.i

Sample Info: LCV220624

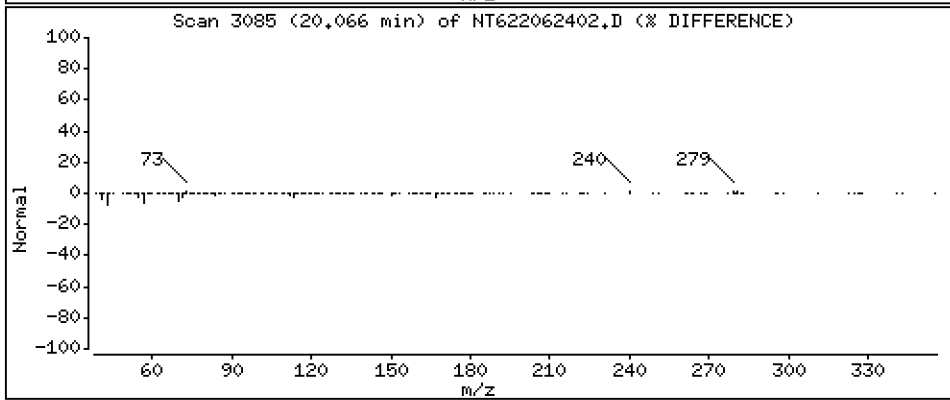
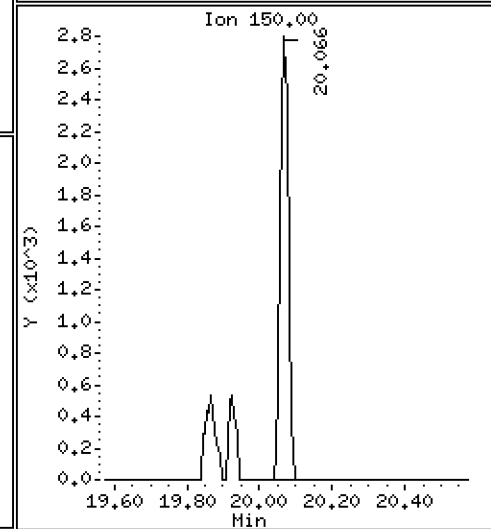
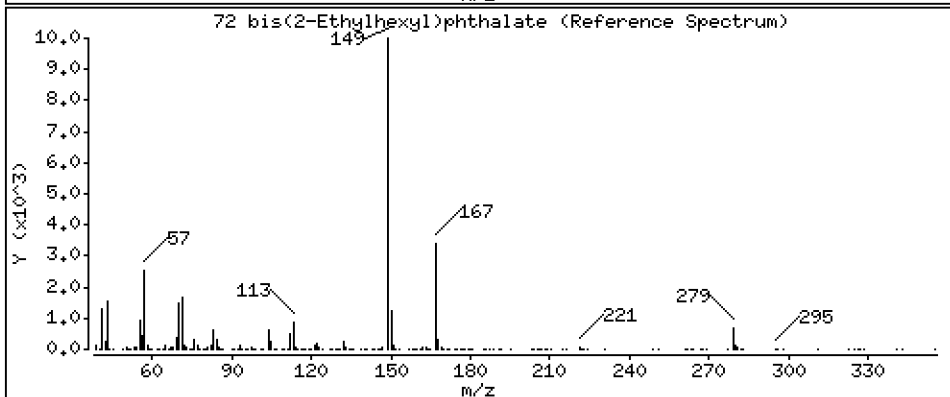
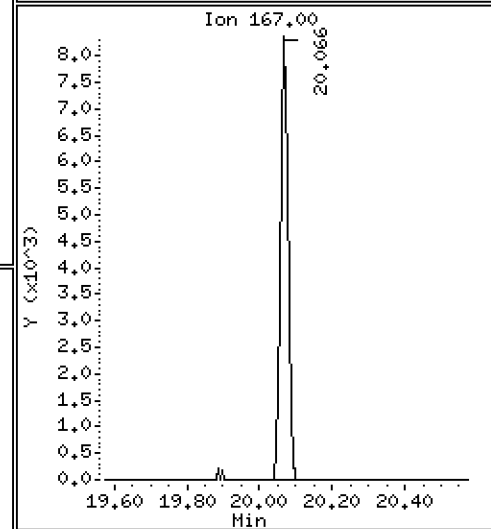
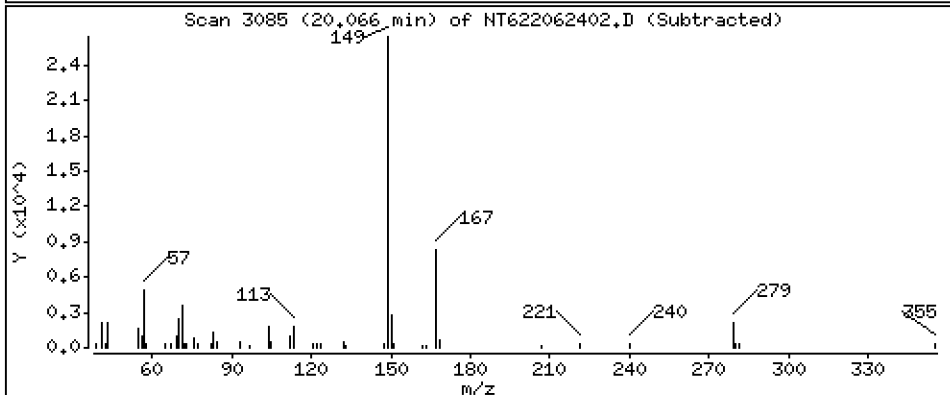
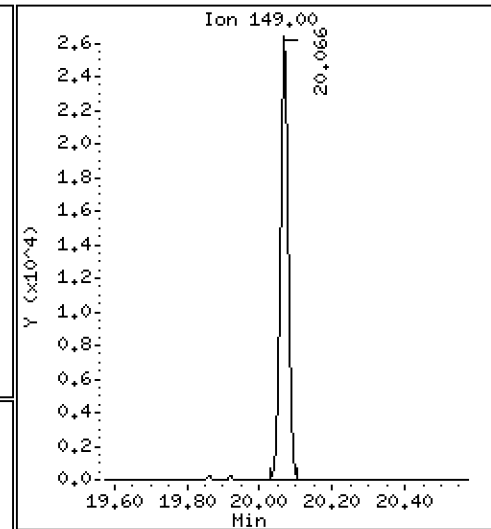
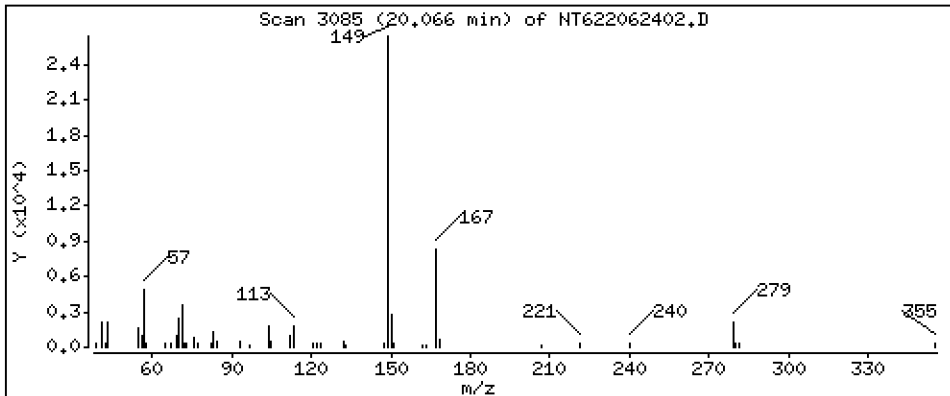
Operator: JZ

Column phase: ZB-5msi

Column diameter: 0.32

72 bis(2-Ethylhexyl)phthalate

Concentration: 5.348 ug/mL



Date : 24-JUN-2022 10:59

Client ID:

Instrument: nt6.i

Sample Info: LCV220624

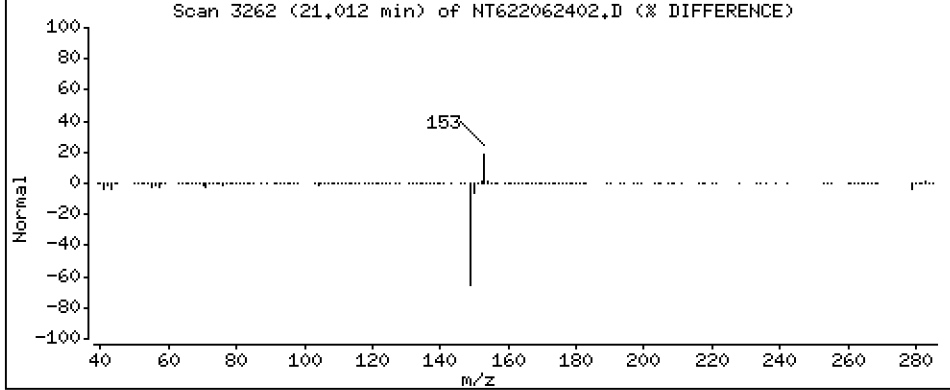
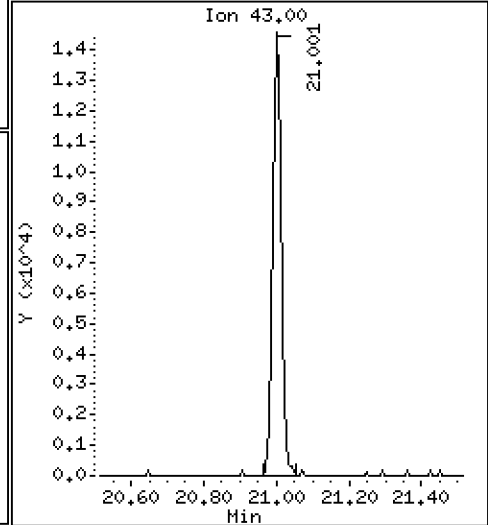
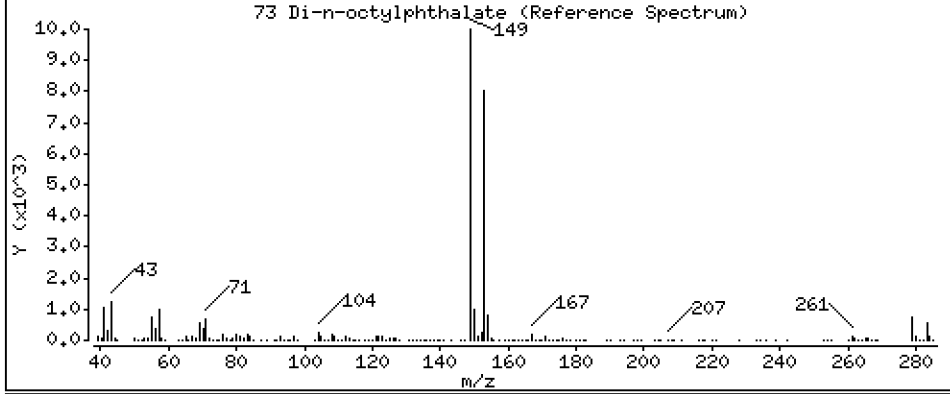
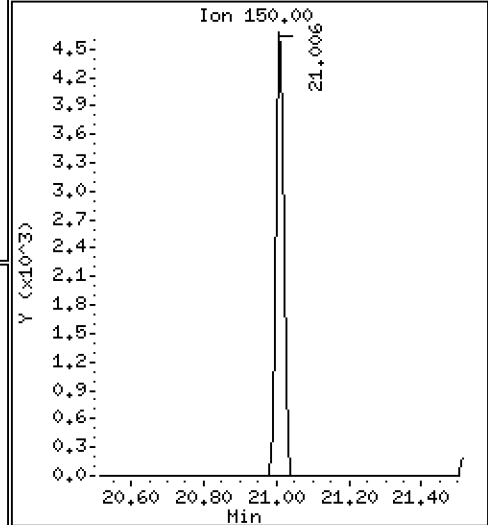
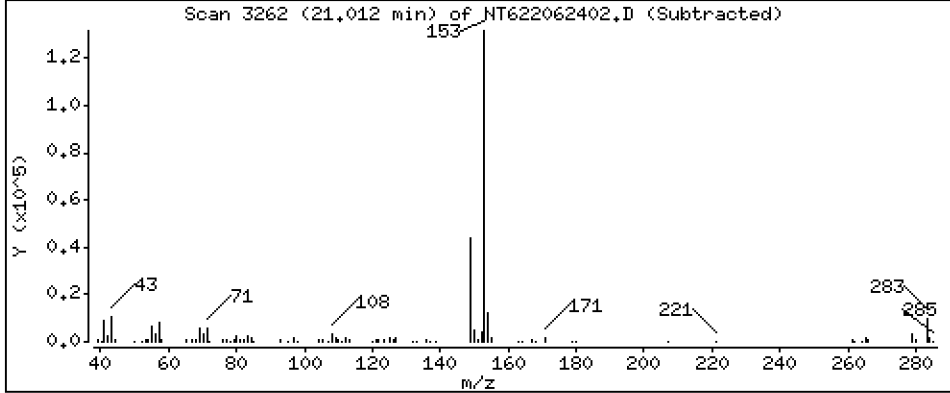
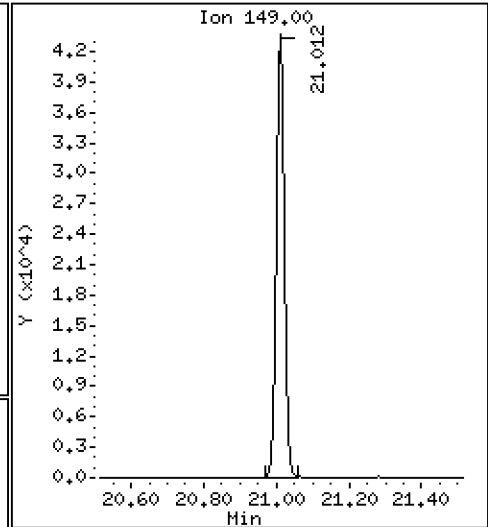
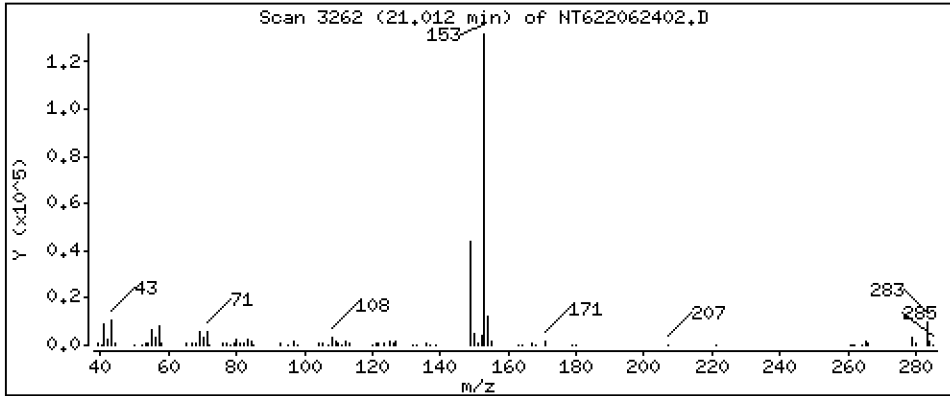
Operator: JZ

Column phase: ZB-5msi

Column diameter: 0.32

73 Di-n-octylphthalate

Concentration: 5.094 ug/mL



Date : 24-JUN-2022 10:59

Client ID:

Instrument: nt6.i

Sample Info: LCV220624

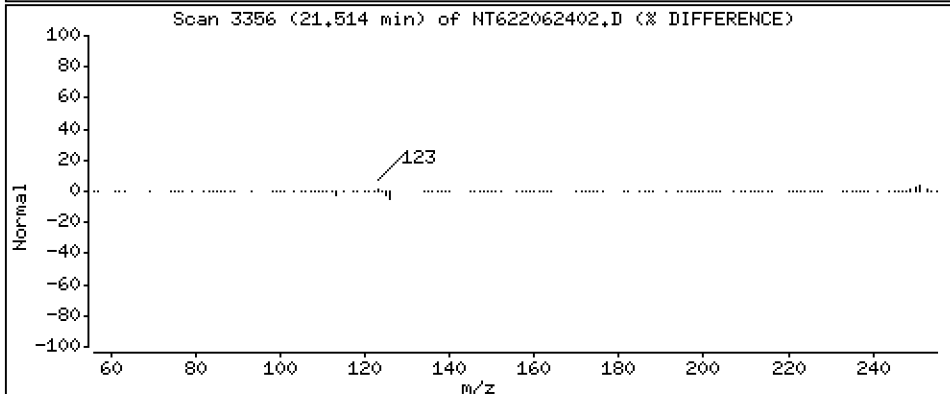
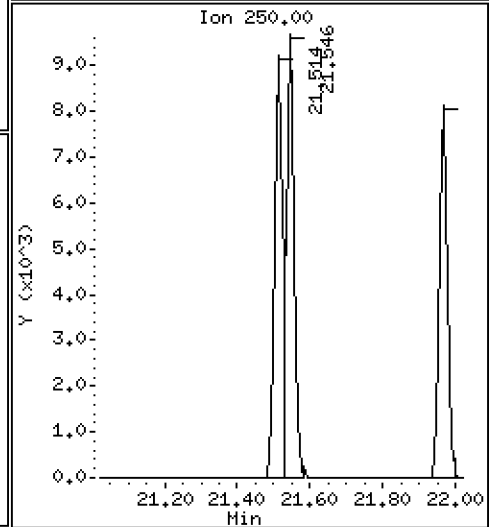
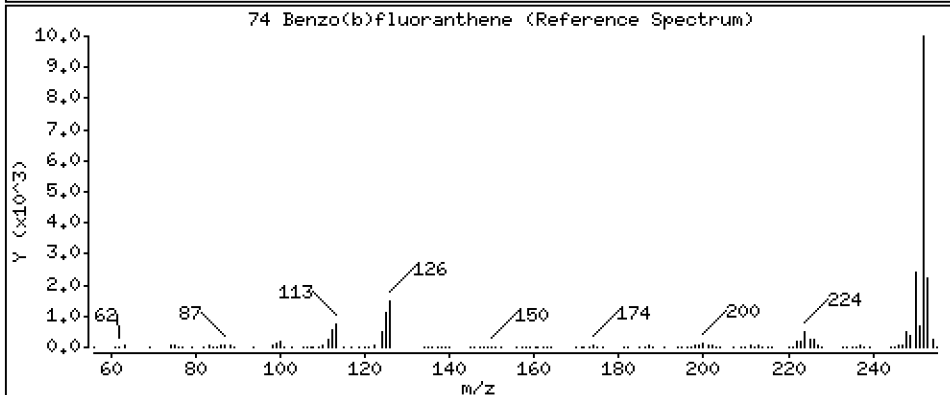
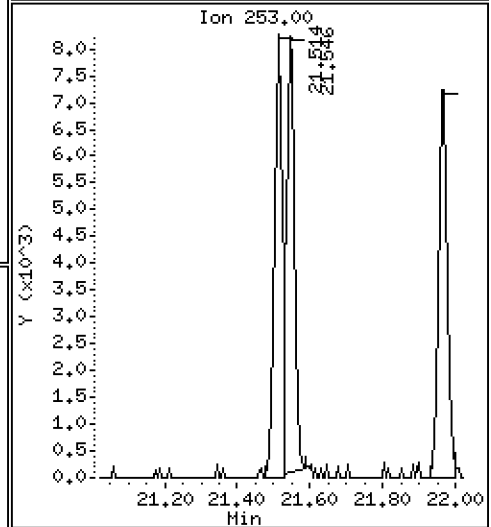
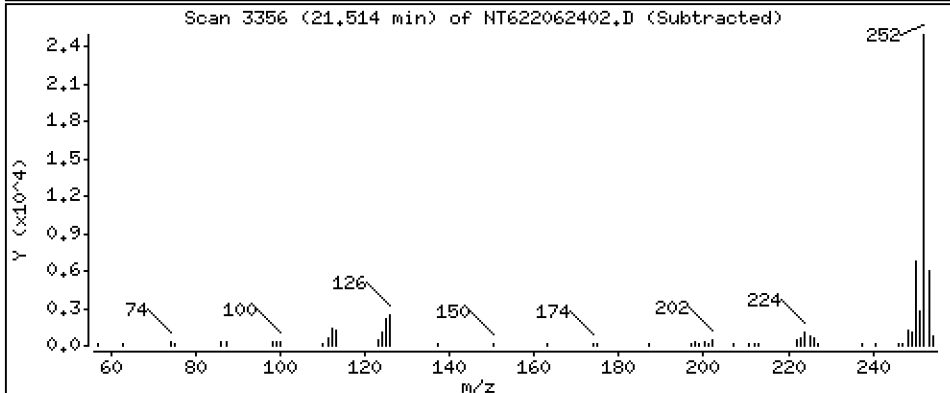
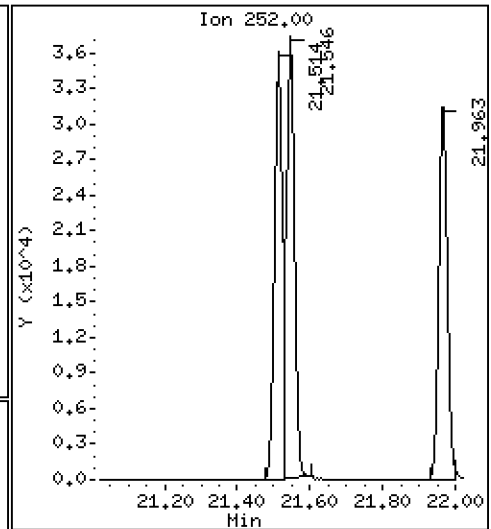
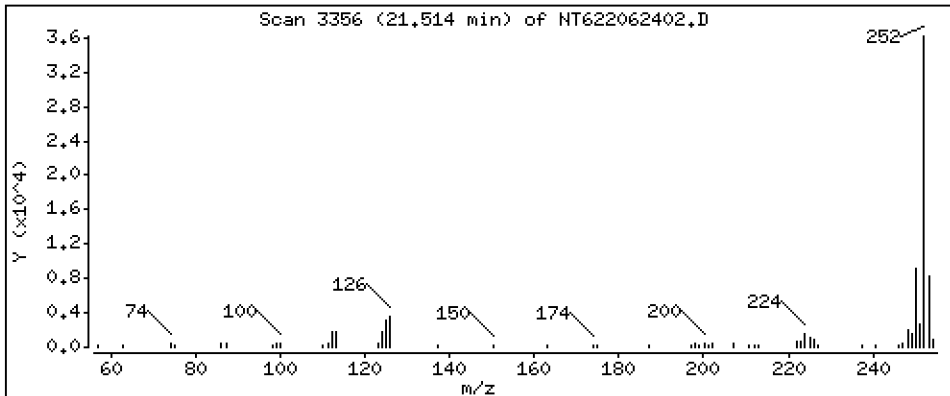
Operator: JZ

Column phase: ZB-5msi

Column diameter: 0.32

74 Benzo(b)fluoranthene

Concentration: 5.003 ug/mL



Date : 24-JUN-2022 10:59

Client ID:

Instrument: nt6.i

Sample Info: LCV220624

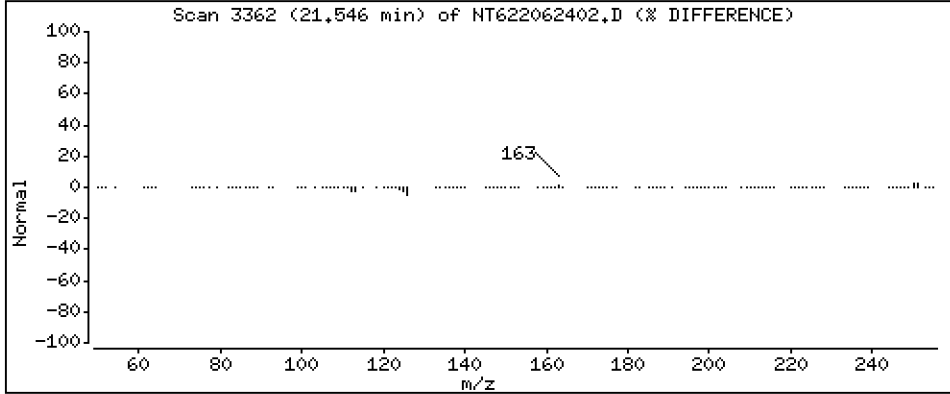
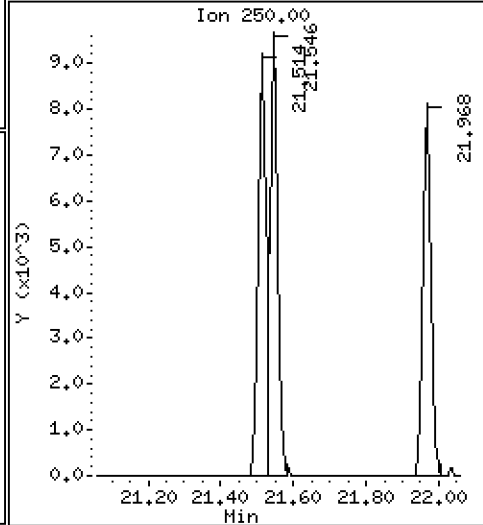
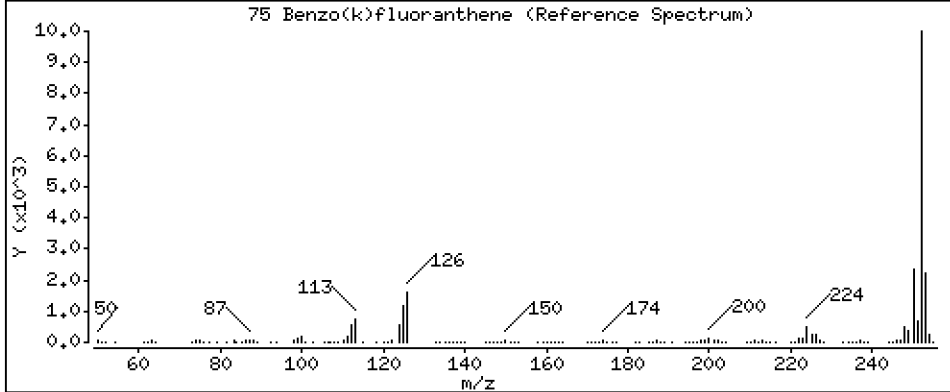
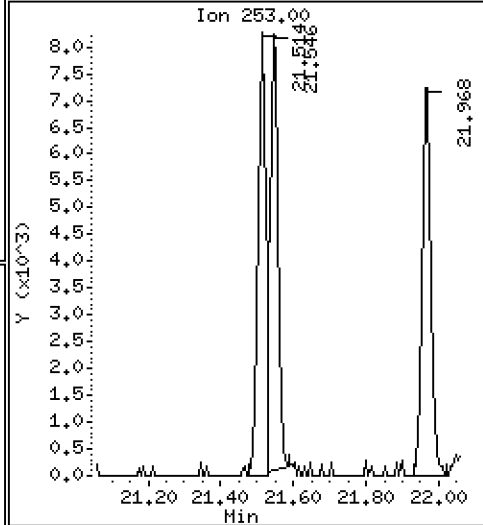
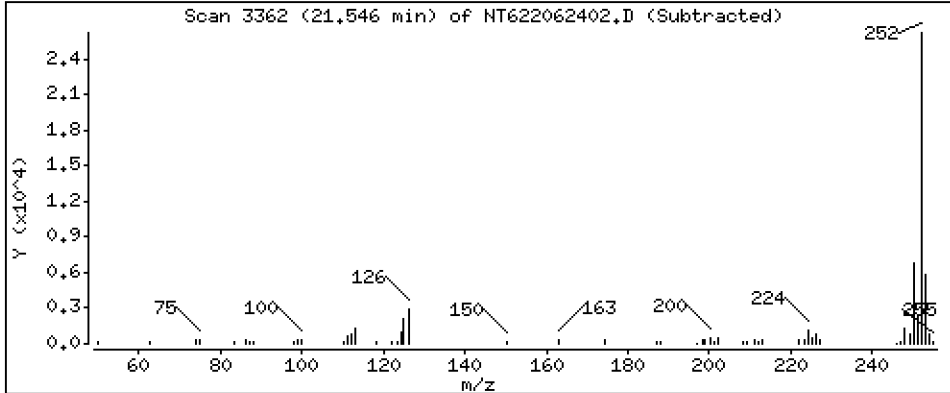
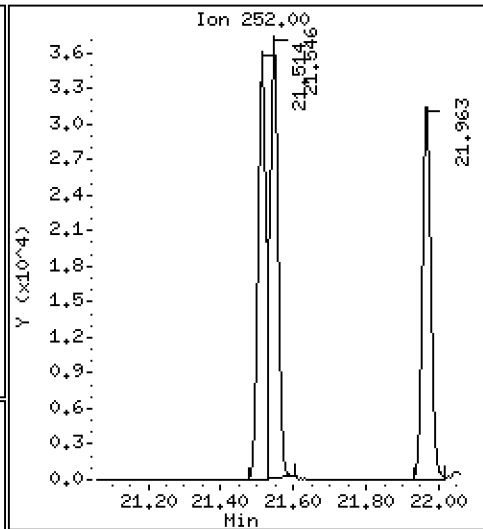
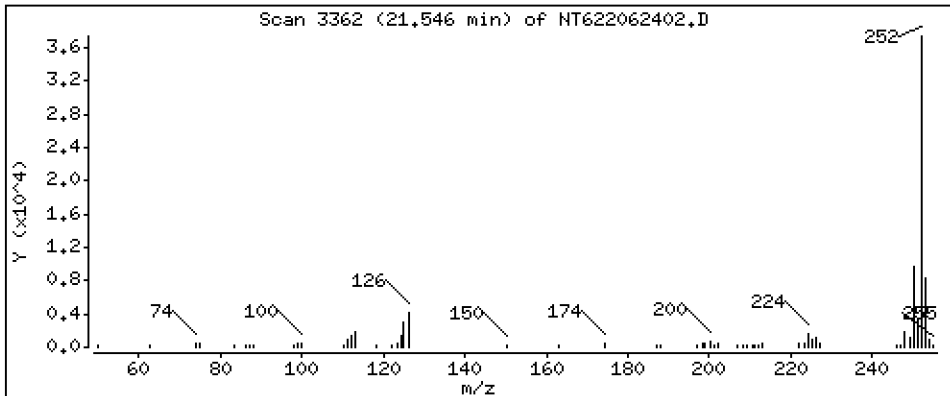
Operator: JZ

Column phase: ZB-5msi

Column diameter: 0.32

75 Benzo(k)fluoranthene

Concentration: 5,261 ug/mL



Date : 24-JUN-2022 10:59

Client ID:

Instrument: nt6.i

Sample Info: LCV220624

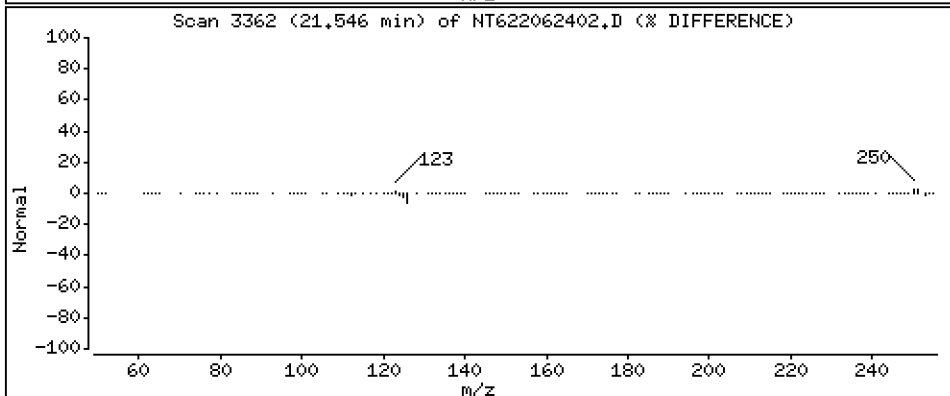
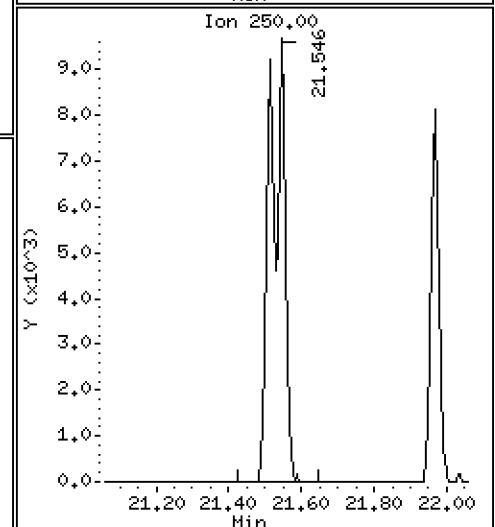
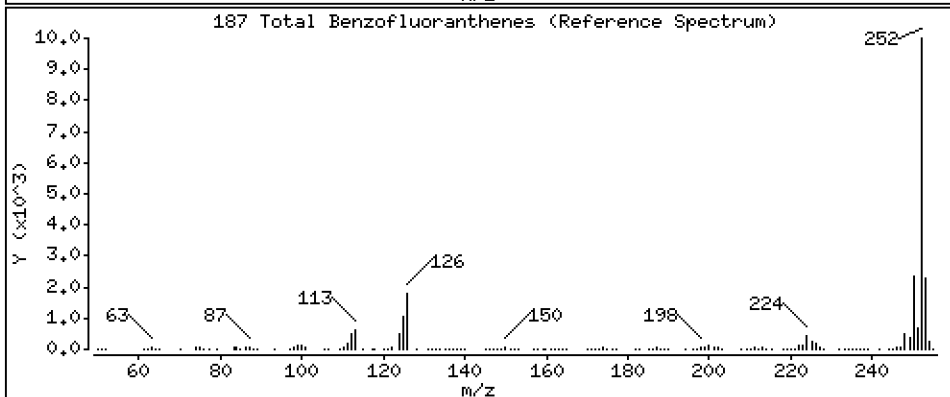
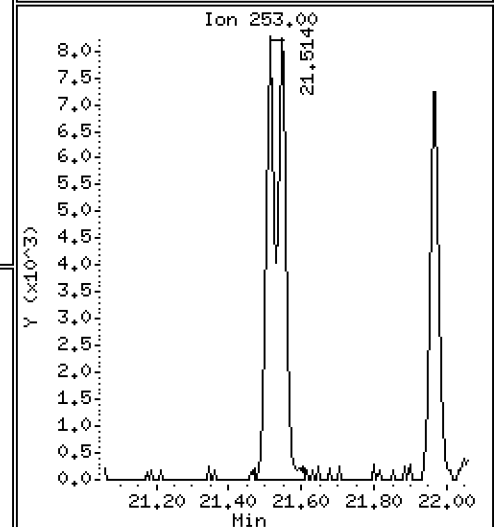
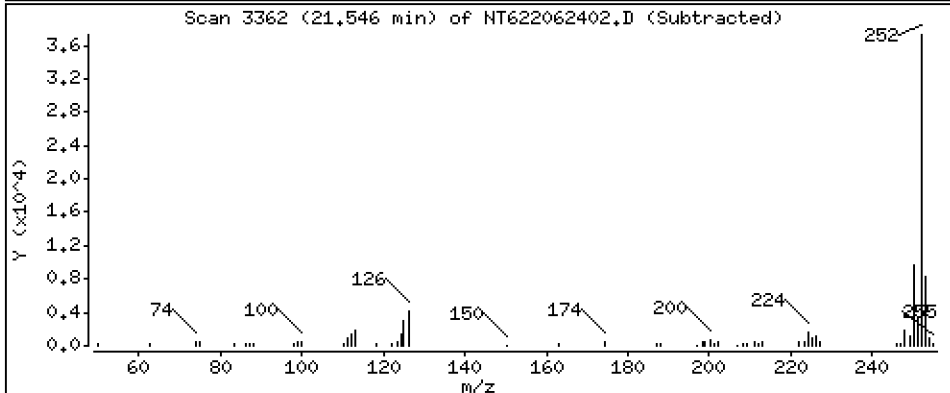
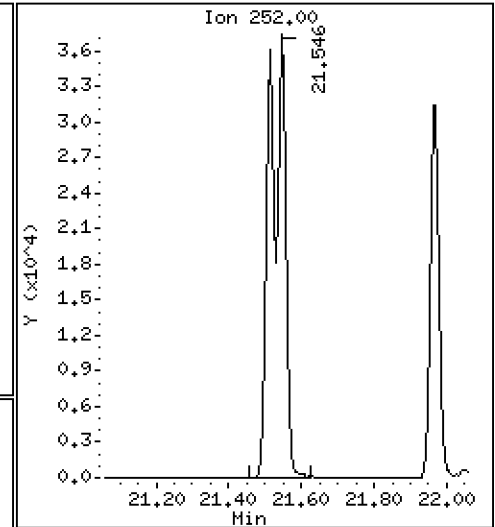
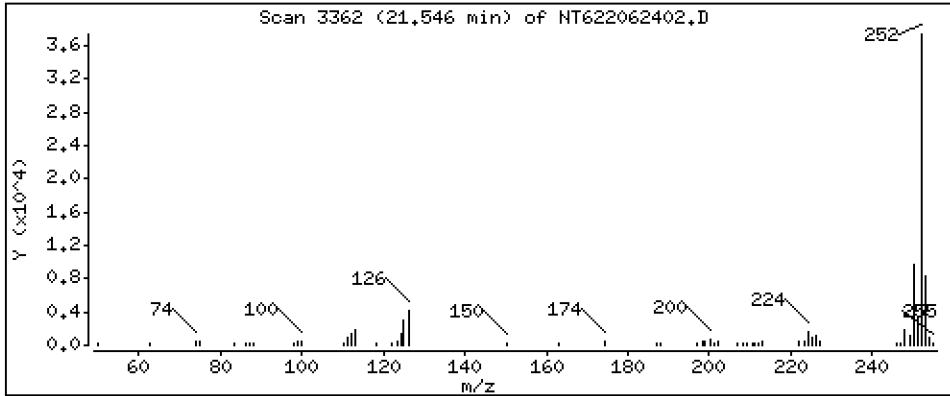
Operator: JZ

Column phase: ZB-5msi

Column diameter: 0.32

187 Total Benzofluoranthenes

Concentration: 10.36 ug/mL



Date : 24-JUN-2022 10:59

Client ID:

Instrument: nt6.i

Sample Info: LCV220624

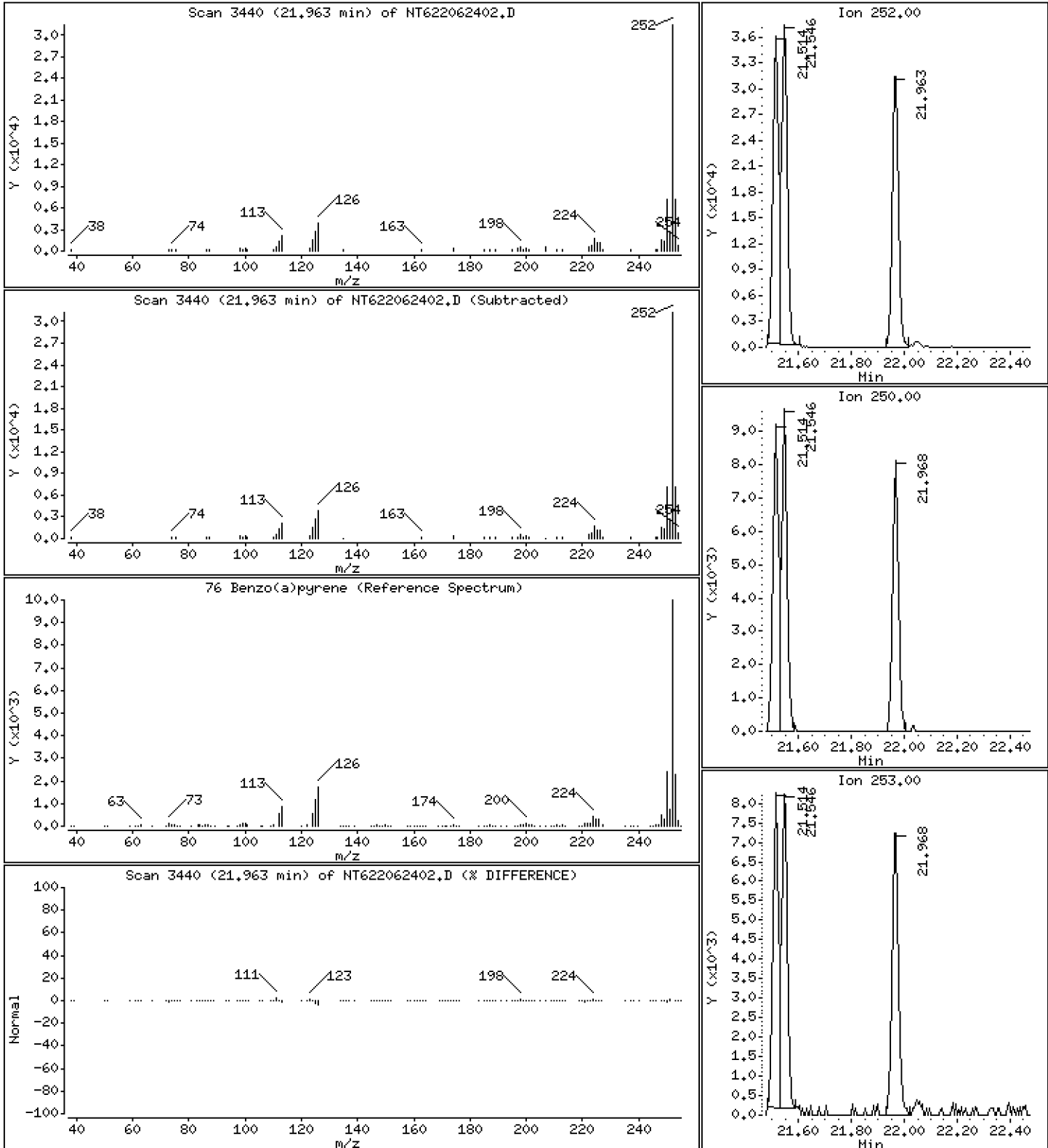
Operator: JZ

Column phase: ZB-5msi

Column diameter: 0.32

76 Benzo(a)pyrene

Concentration: 4.901 ug/mL



Date : 24-JUN-2022 10:59

Client ID:

Instrument: nt6.i

Sample Info: LCV220624

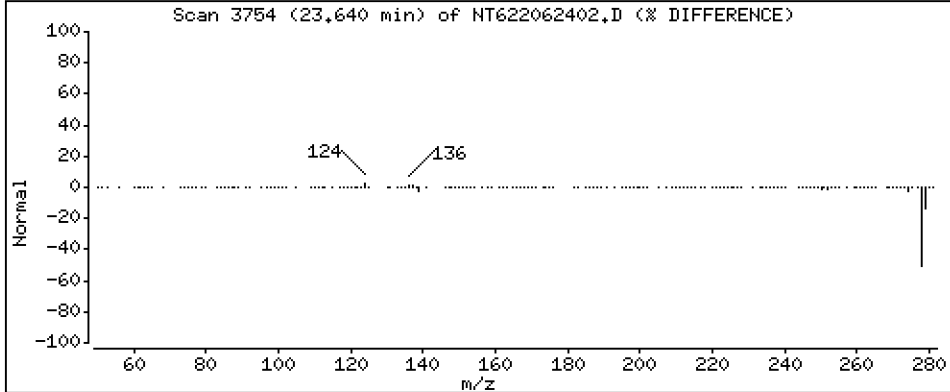
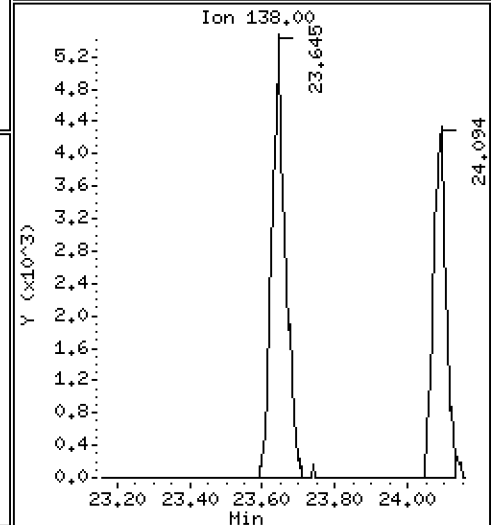
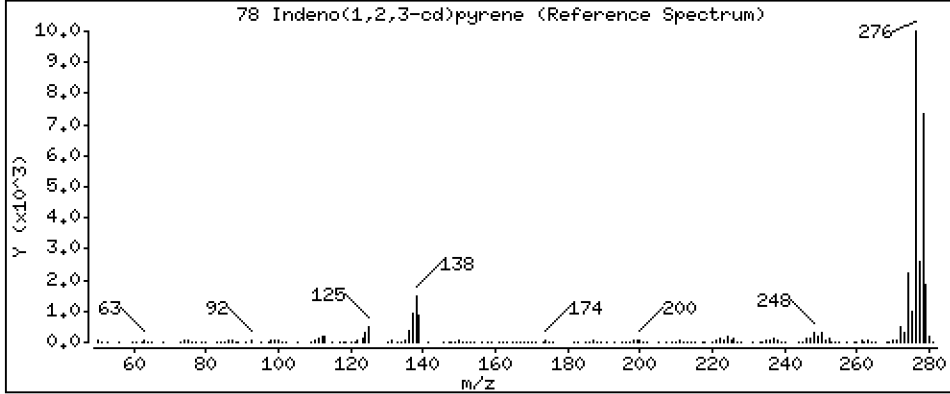
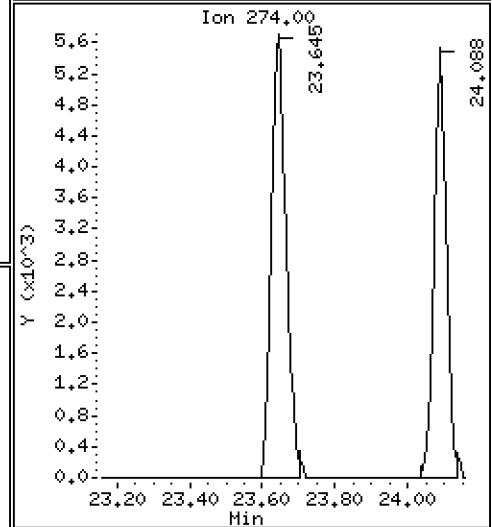
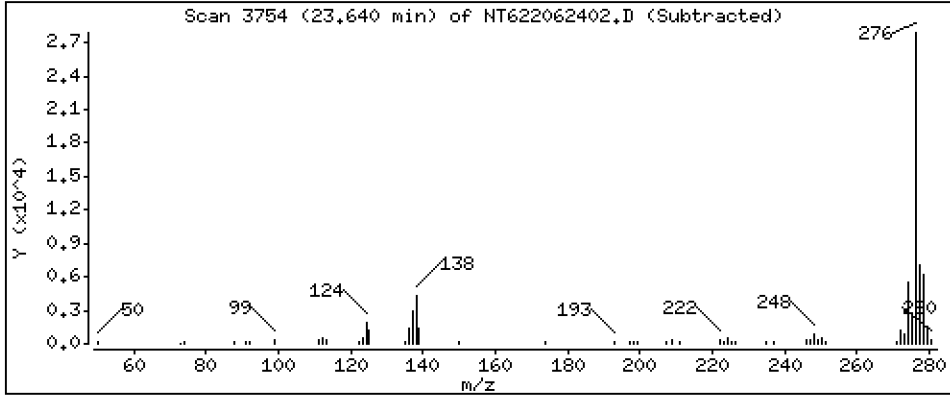
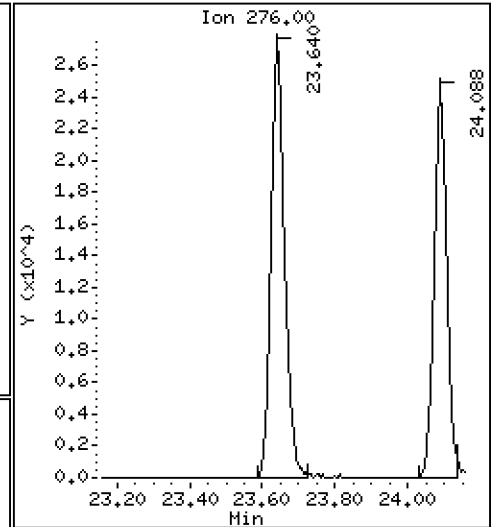
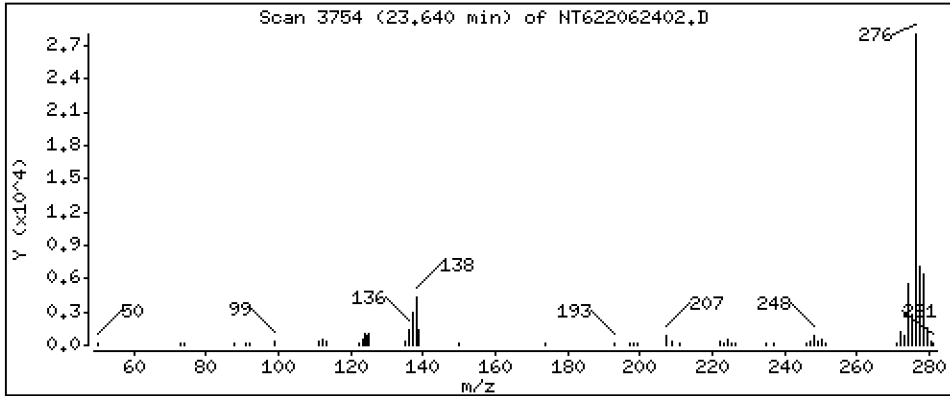
Operator: JZ

Column phase: ZB-5msi

Column diameter: 0.32

78 Indeno(1,2,3-cd)pyrene

Concentration: 4.631 ug/mL



Date : 24-JUN-2022 10:59

Client ID:

Instrument: nt6.i

Sample Info: LCV220624

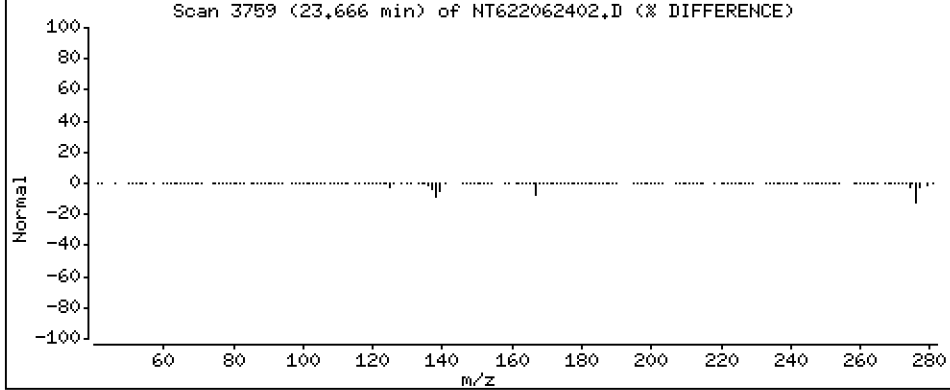
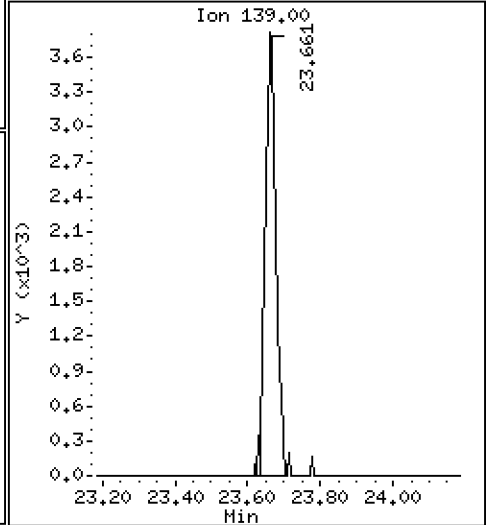
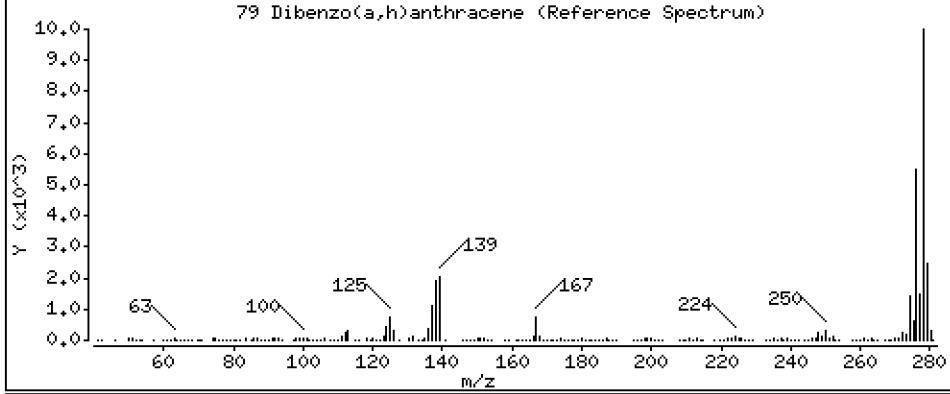
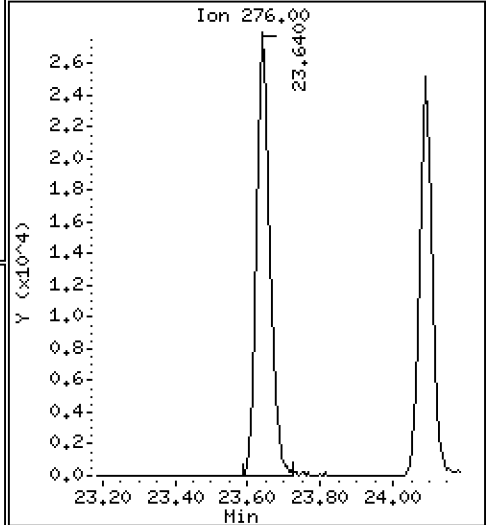
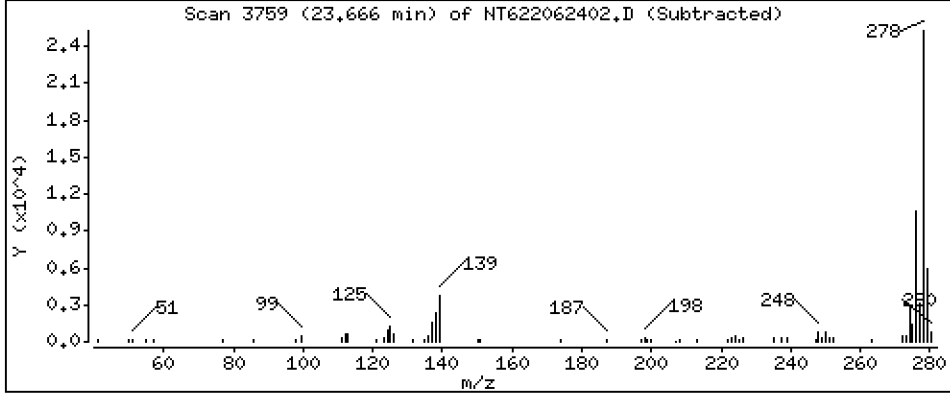
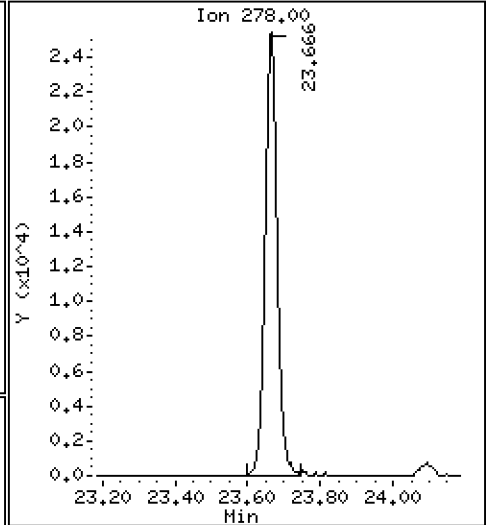
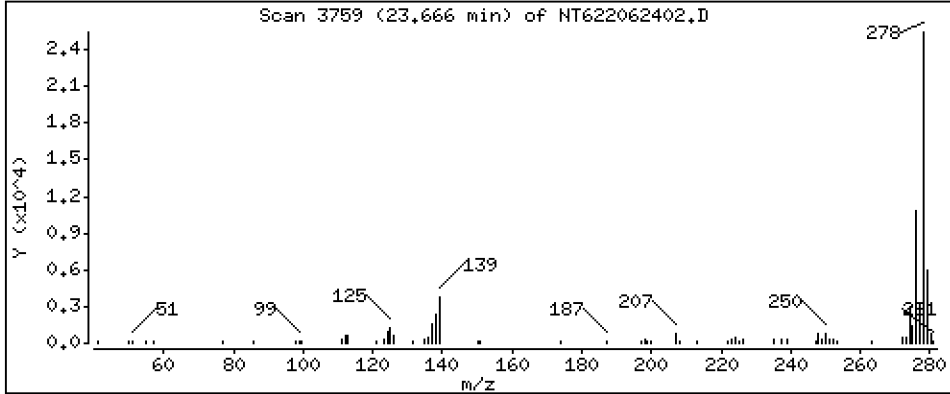
Operator: JZ

Column phase: ZB-5msi

Column diameter: 0,32

79 Dibenzo(a,h)anthracene

Concentration: 4,560 ug/mL



Date : 24-JUN-2022 10:59

Client ID:

Instrument: nt6.i

Sample Info: LCV220624

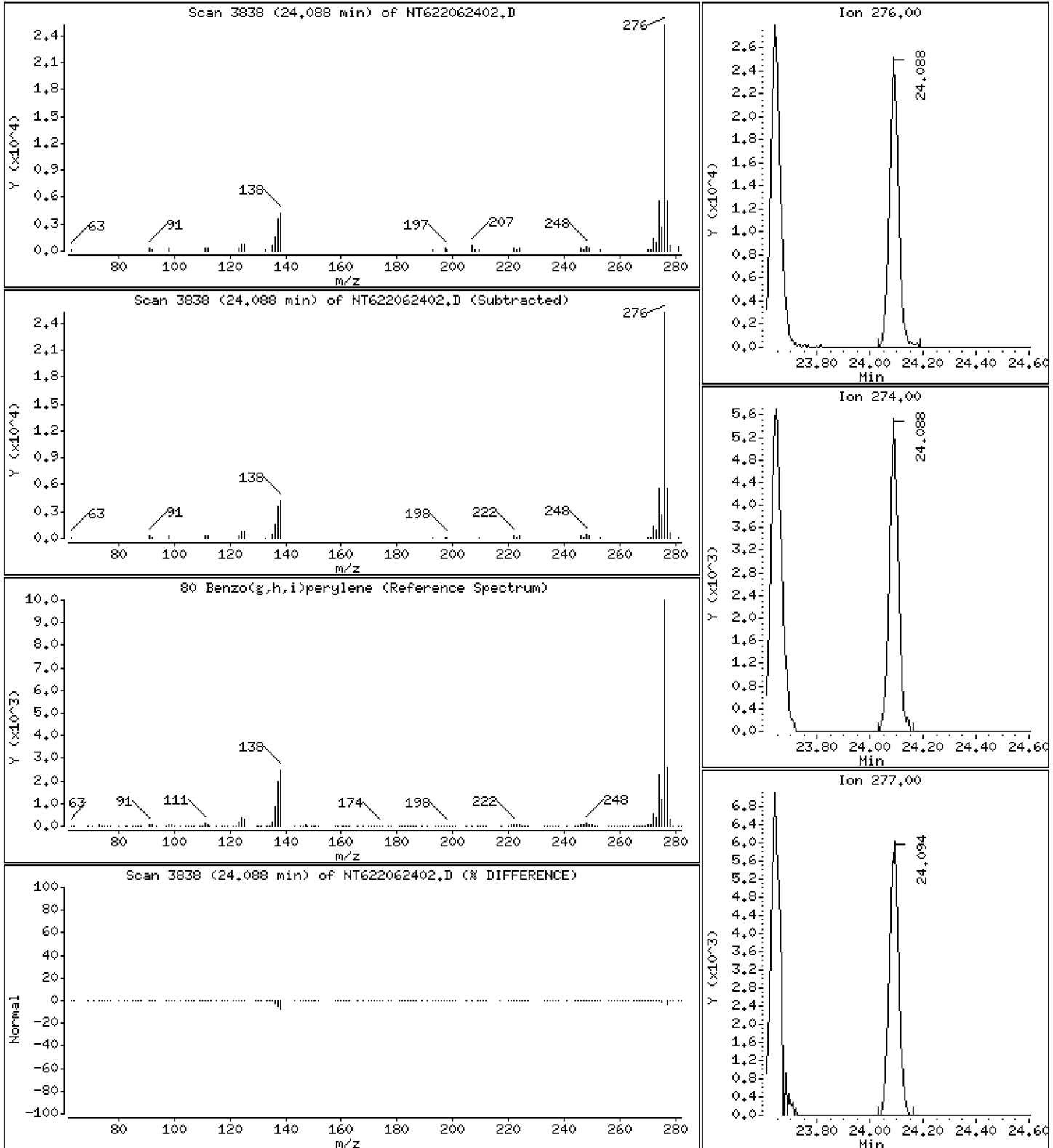
Operator: JZ

Column phase: ZB-5msi

Column diameter: 0.32

80 Benzo(g,h,i)perylene

Concentration: 4.569 ug/mL



Date : 24-JUN-2022 10:59

Client ID:

Instrument: nt6.i

Sample Info: LCV220624

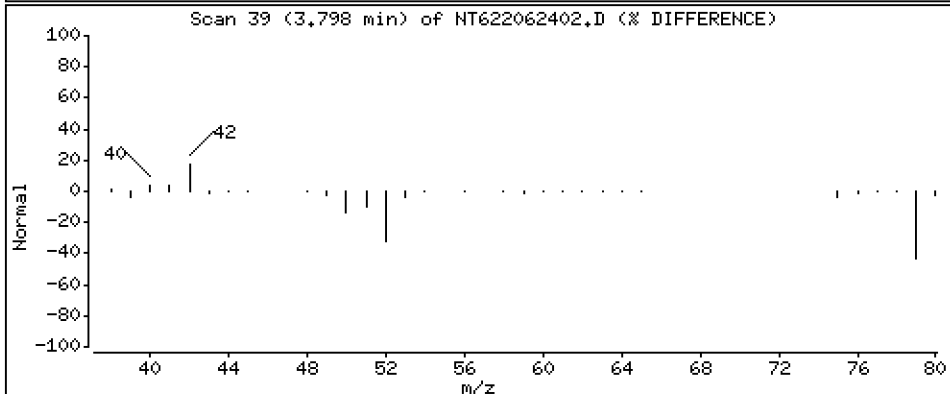
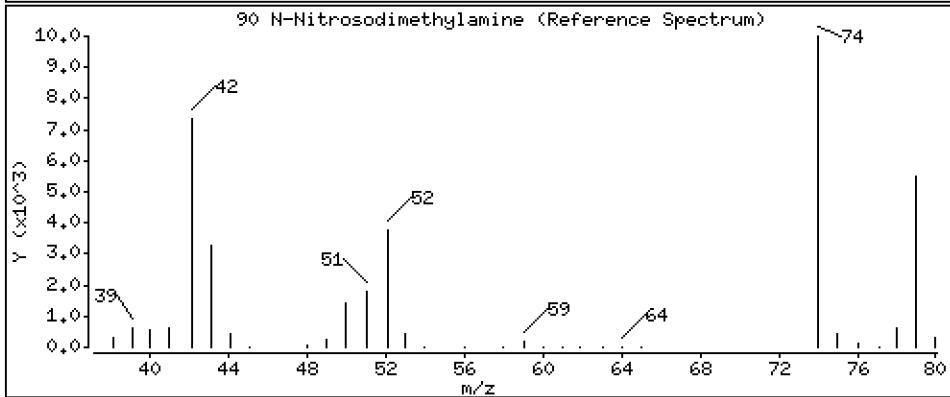
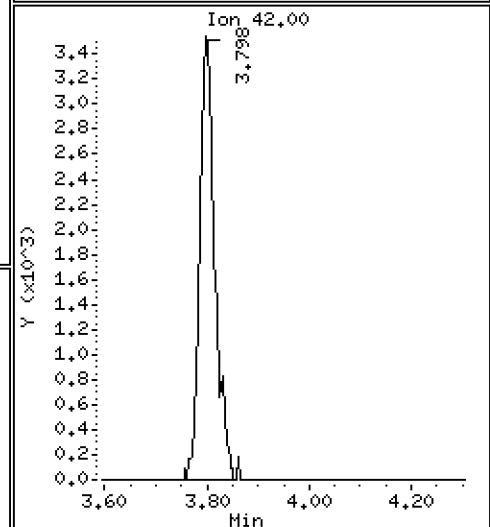
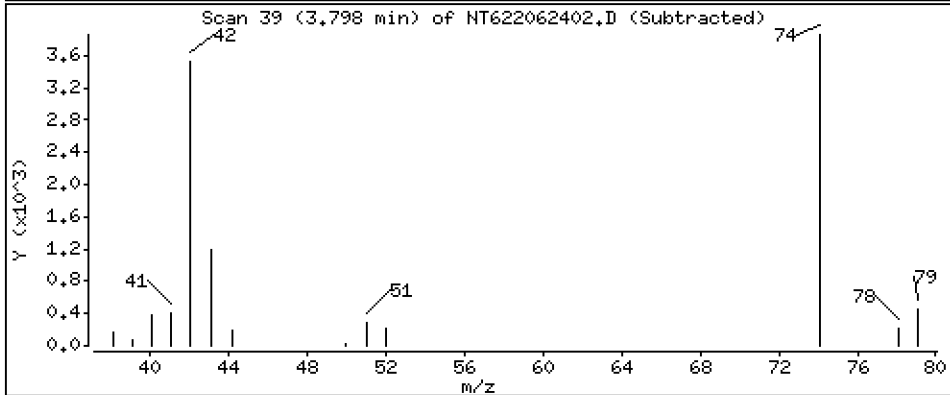
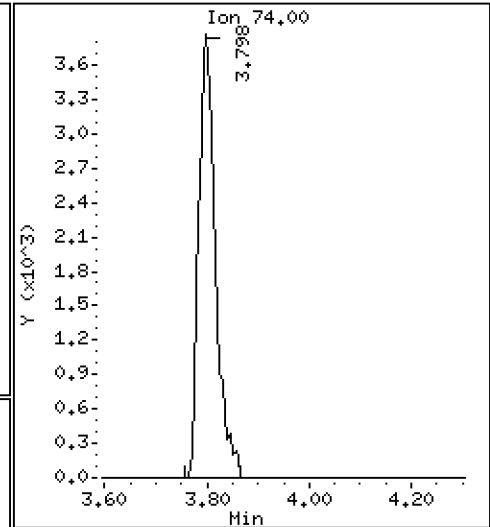
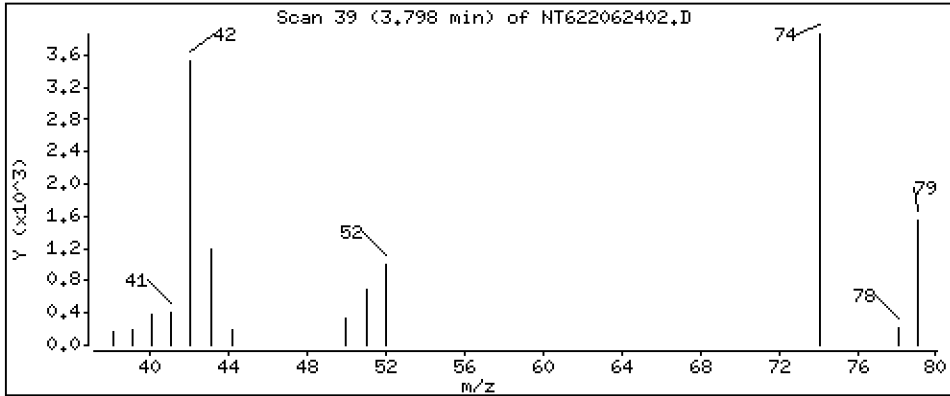
Operator: JZ

Column phase: ZB-5msi

Column diameter: 0.32

90 N-Nitrosodimethylamine

Concentration: 5.209 ug/mL



Date : 24-JUN-2022 10:59

Client ID:

Instrument: nt6.i

Sample Info: LCV220624

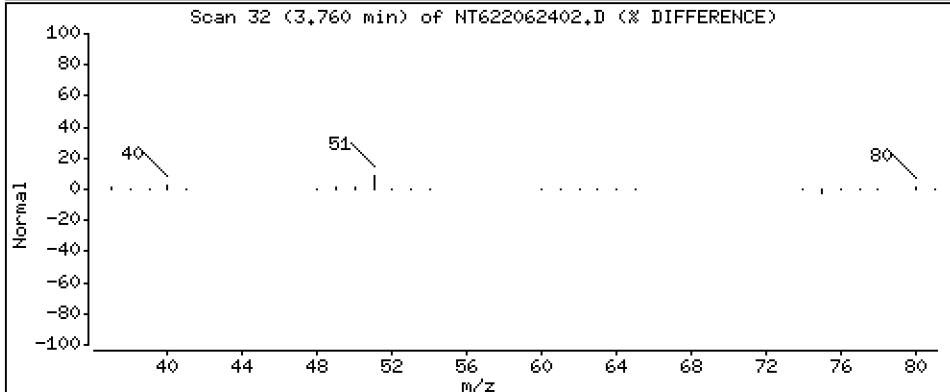
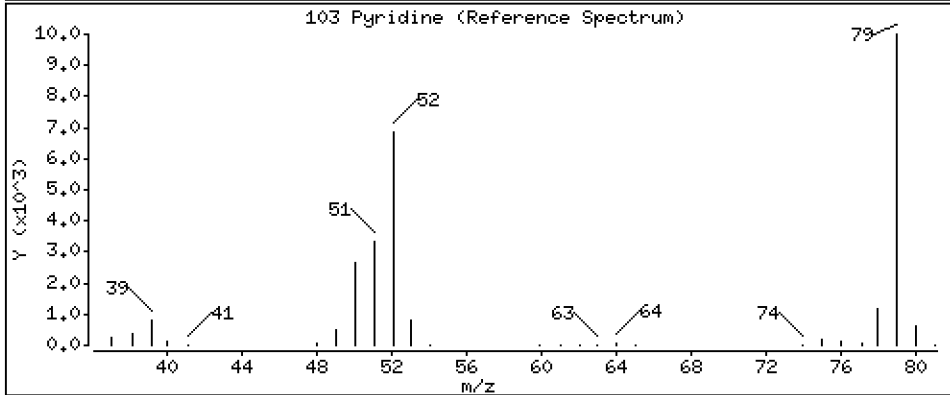
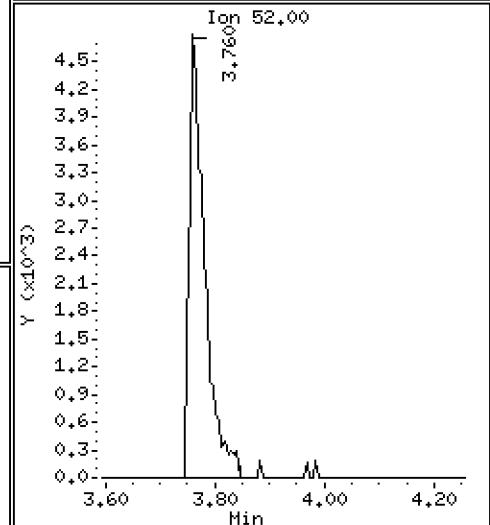
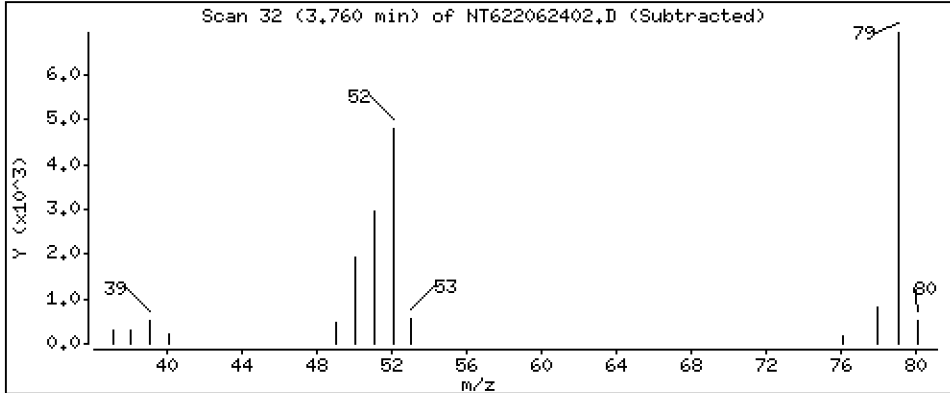
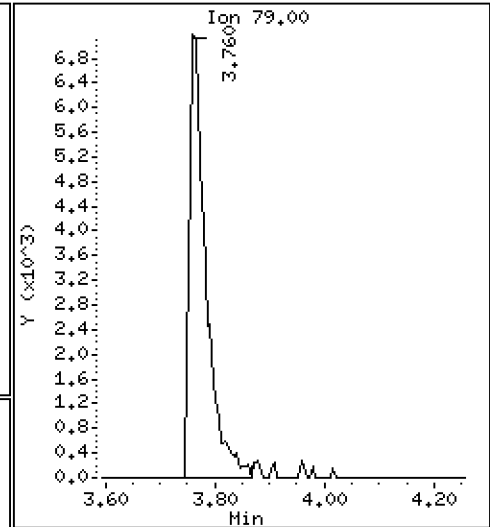
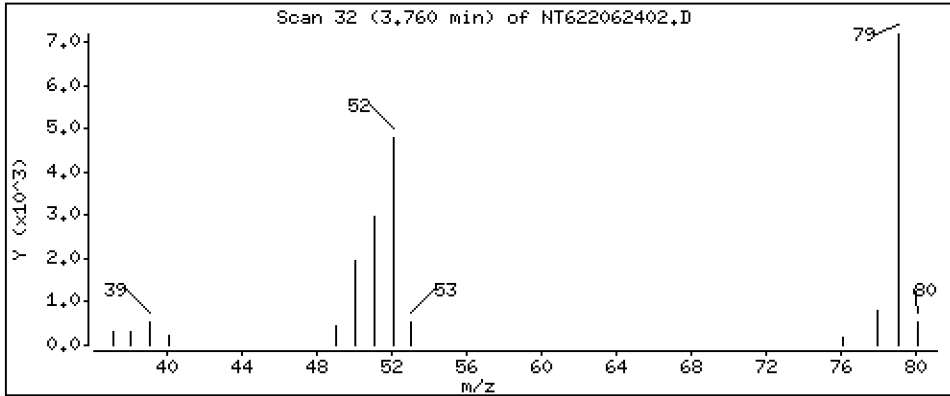
Operator: JZ

Column phase: ZB-5msi

Column diameter: 0.32

103 Pyridine

Concentration: 4.831 ug/mL



Date : 24-JUN-2022 10:59

Client ID:

Instrument: nt6.i

Sample Info: LCV220624

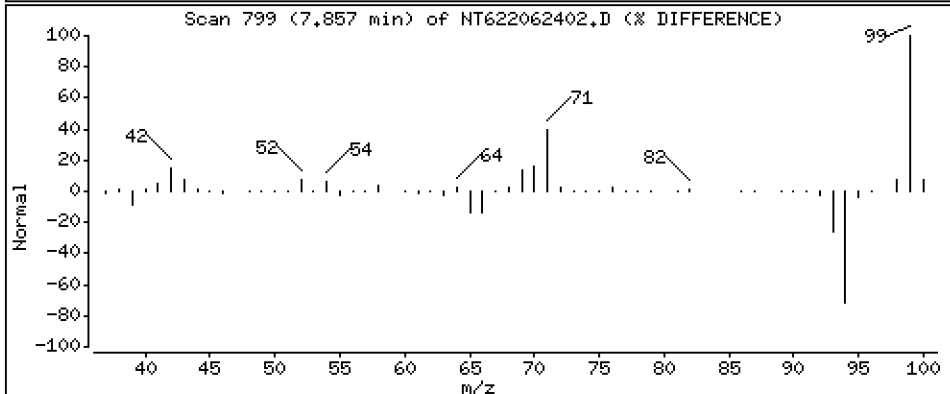
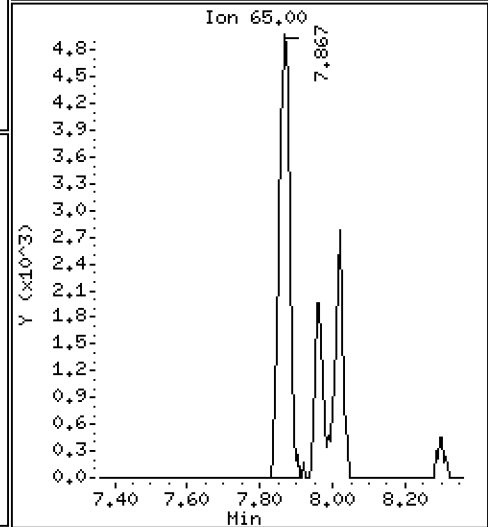
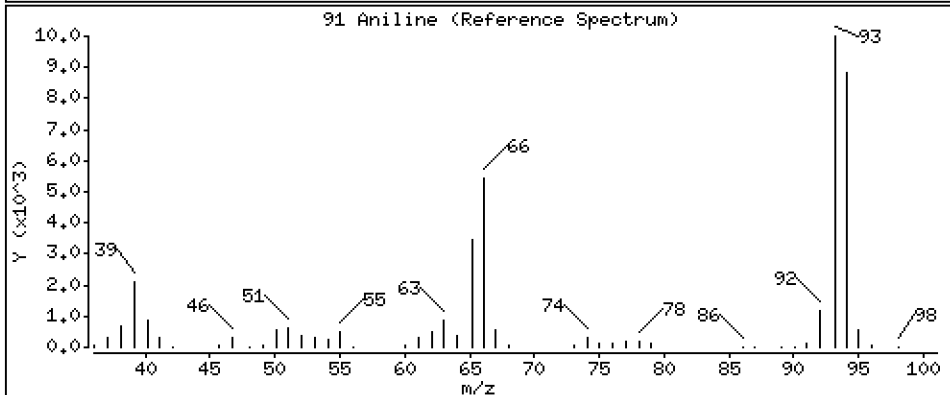
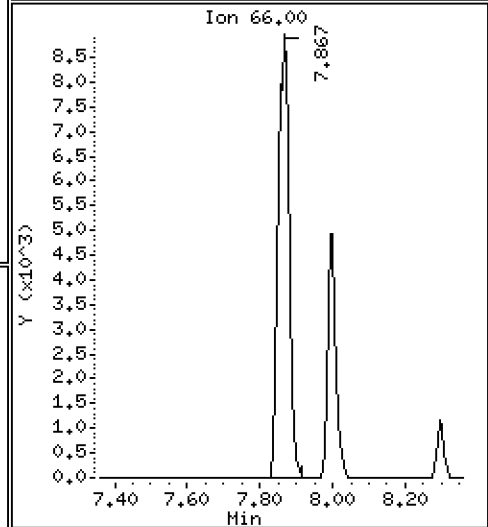
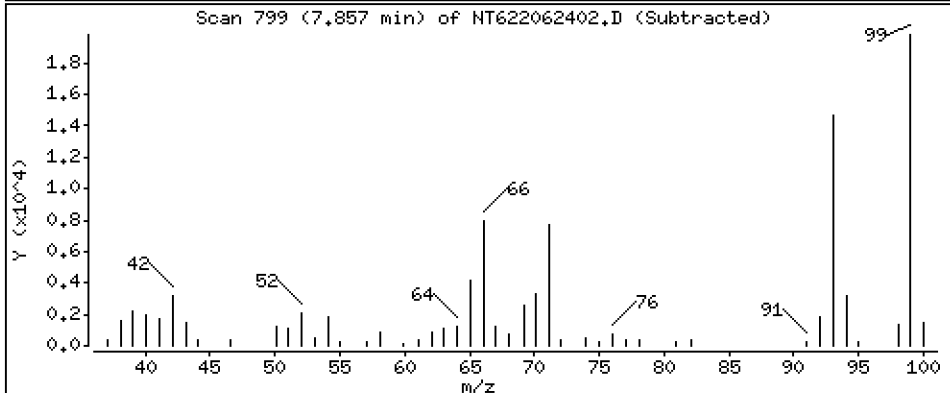
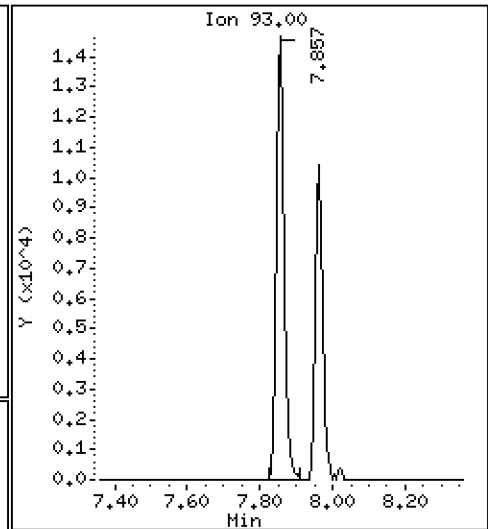
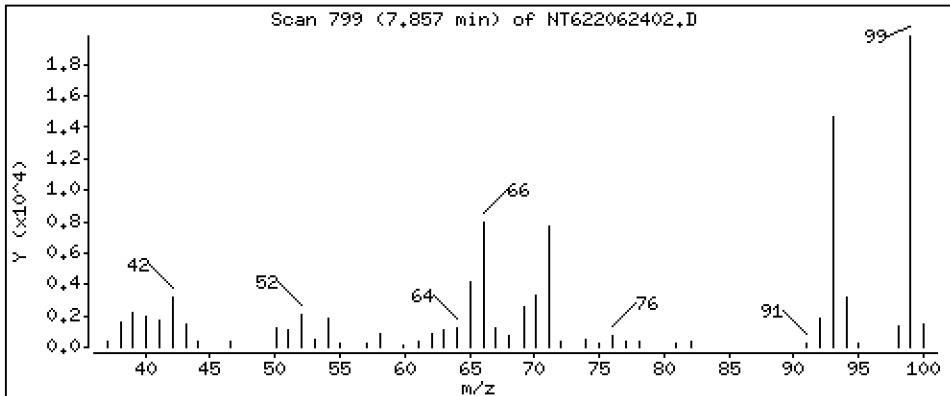
Operator: JZ

Column phase: ZB-5msi

Column diameter: 0.32

91 Aniline

Concentration: 4.428 ug/mL



Date : 24-JUN-2022 10:59

Client ID:

Instrument: nt6.i

Sample Info: LCV220624

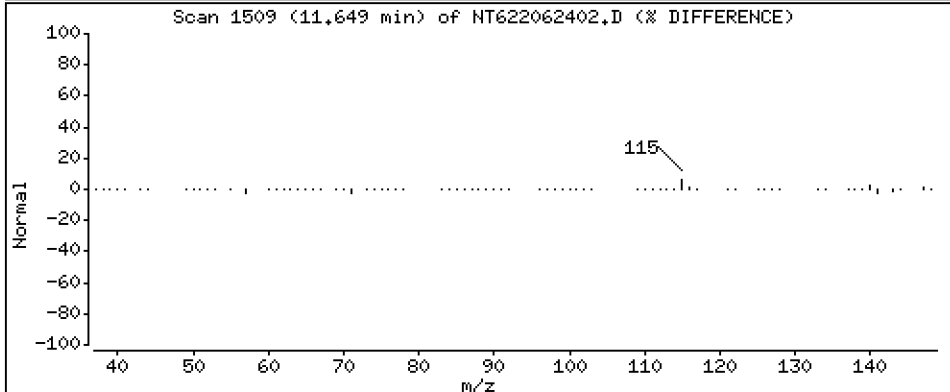
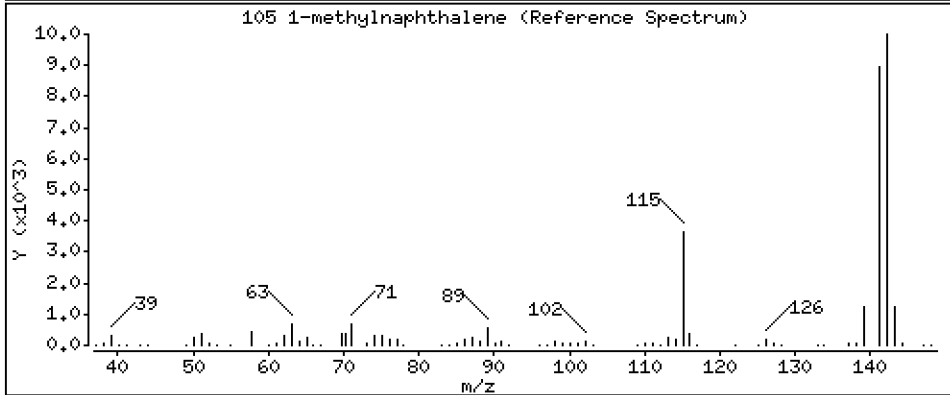
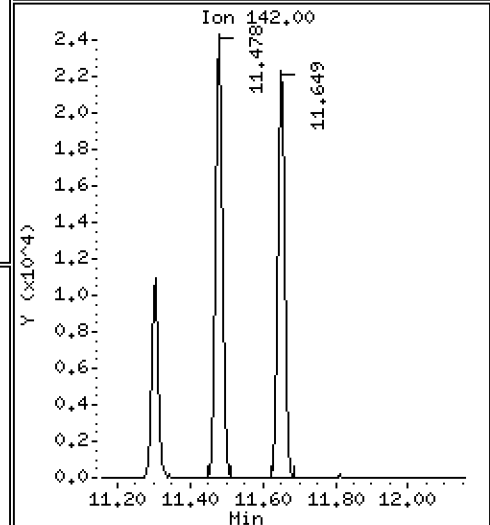
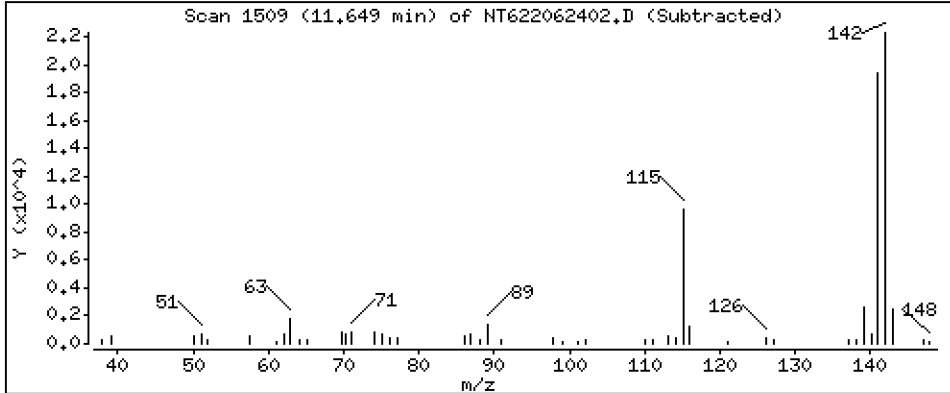
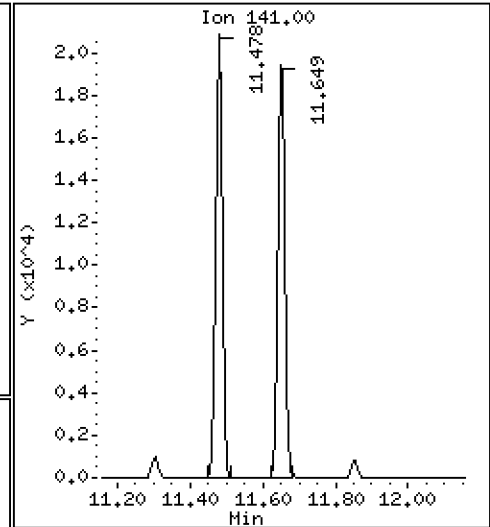
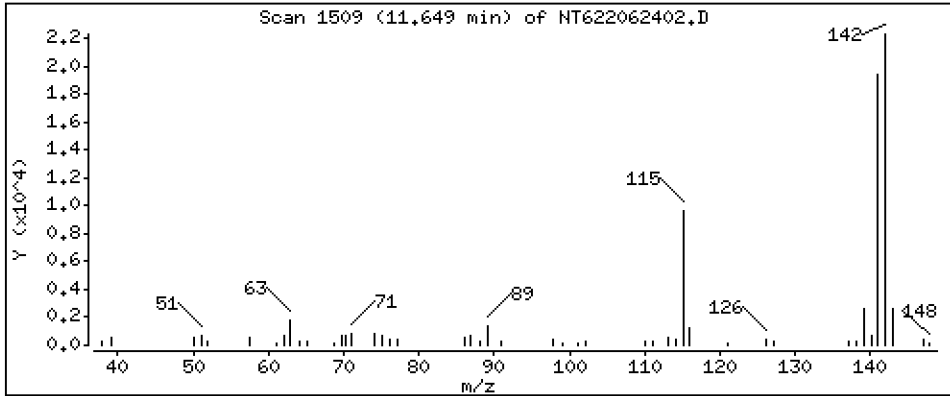
Operator: JZ

Column phase: ZB-5msi

Column diameter: 0.32

105 1-methylnaphthalene

Concentration: 4.999 ug/mL



Date : 24-JUN-2022 10:59

Client ID:

Instrument: nt6.i

Sample Info: LCV220624

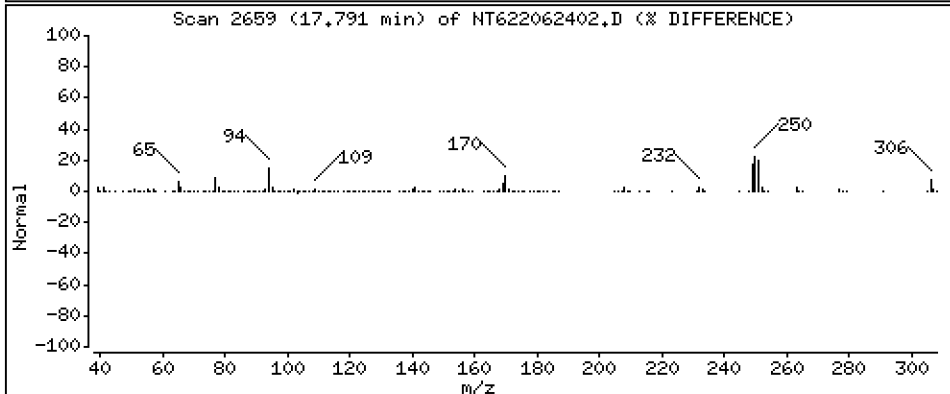
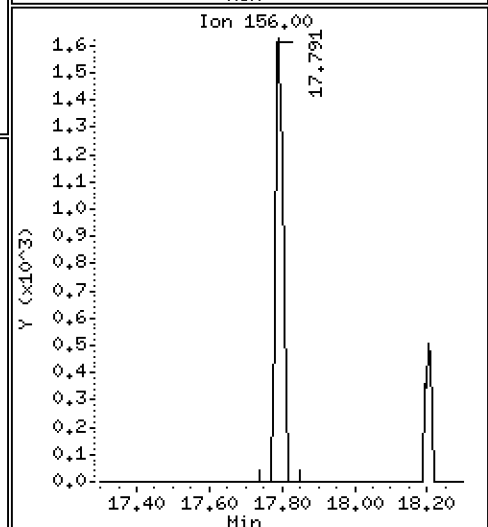
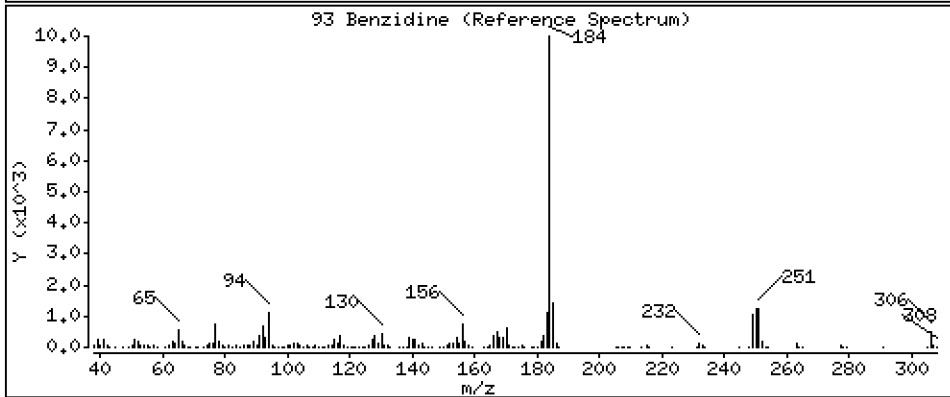
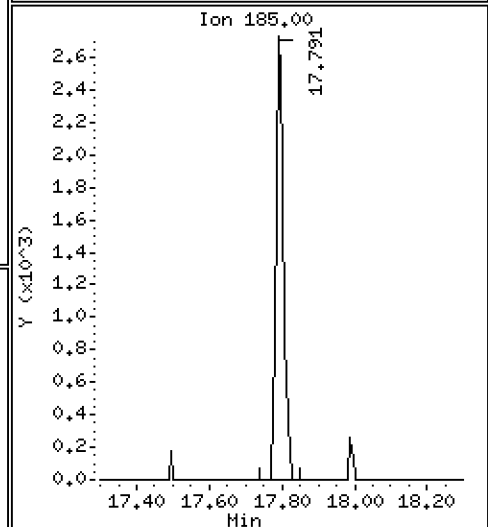
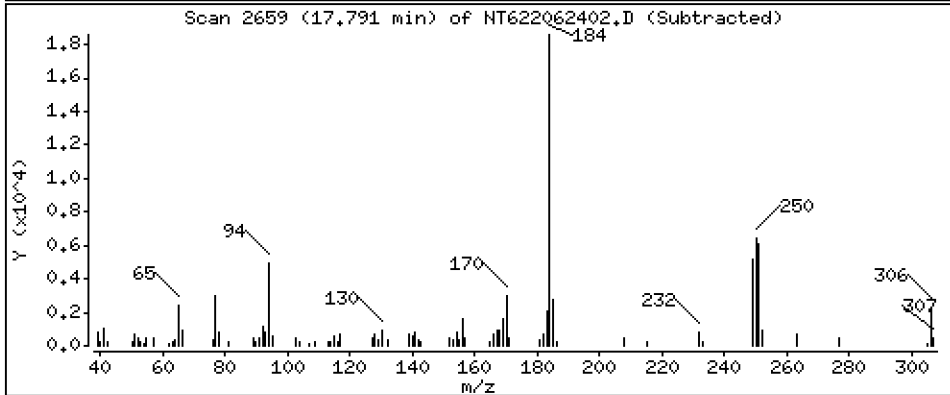
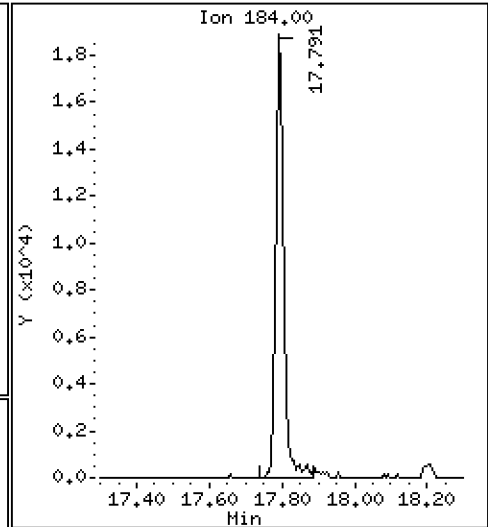
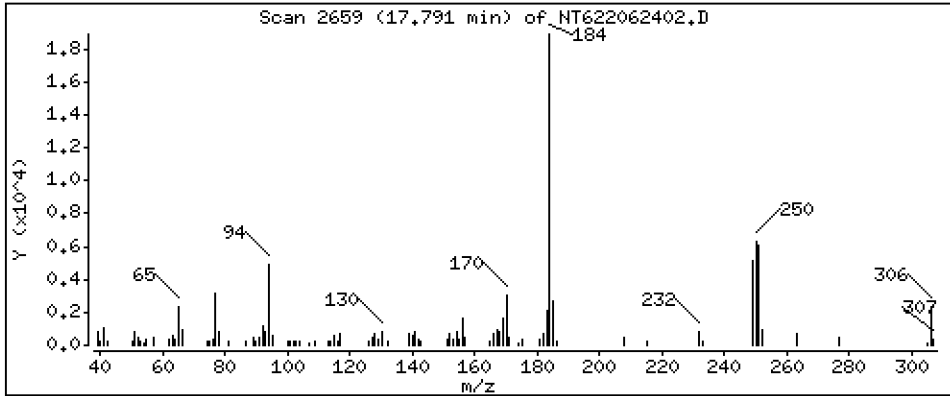
Operator: JZ

Column phase: ZB-5msi

Column diameter: 0.32

Concentration: 7,740 ug/mL

93 Benzidine



Date : 24-JUN-2022 10:59

Client ID:

Instrument: nt6.i

Sample Info: LCV220624

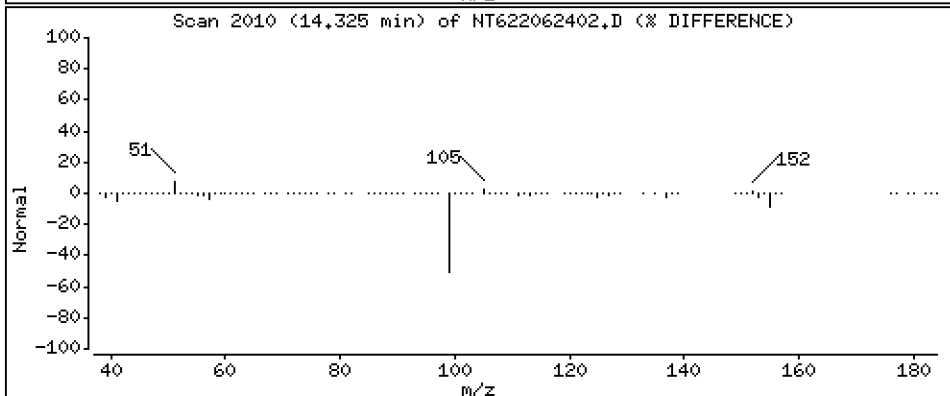
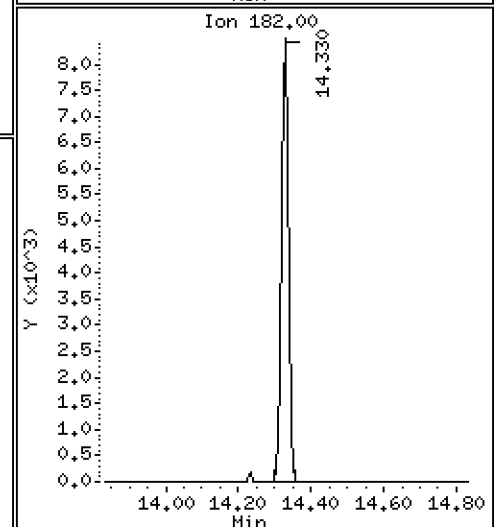
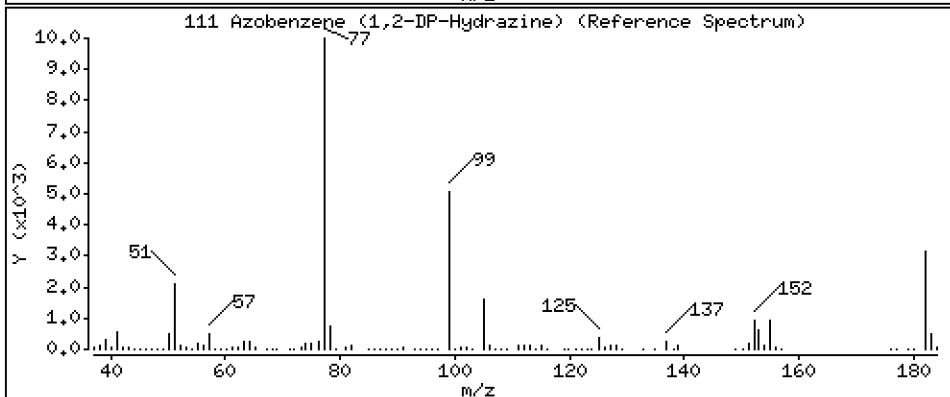
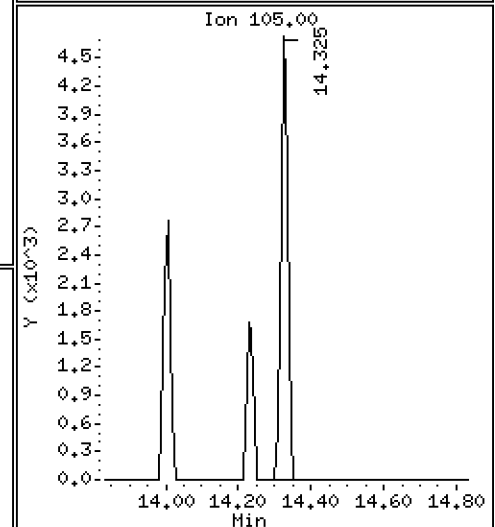
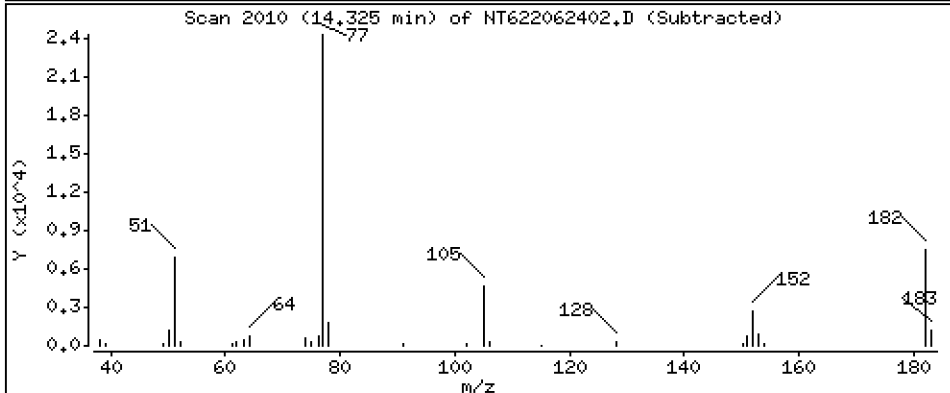
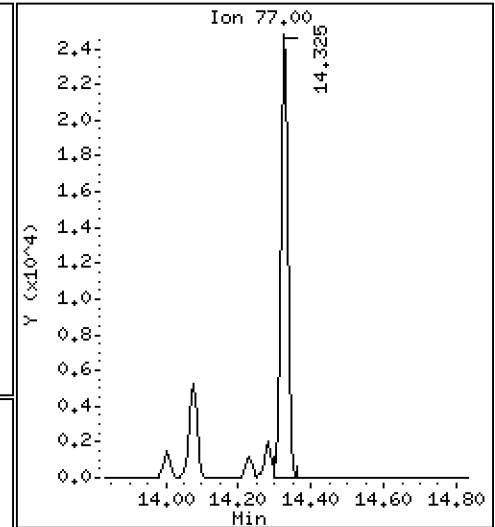
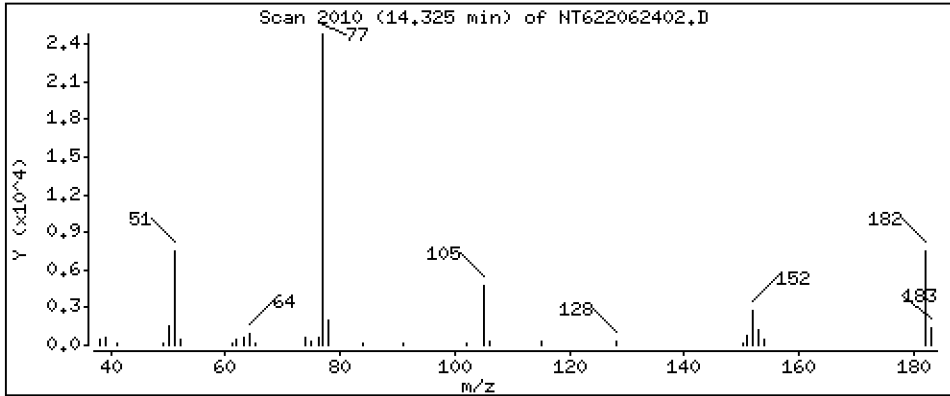
Operator: JZ

Column phase: ZB-5msi

Column diameter: 0.32

111 Azobenzene (1,2-DP-Hydrazine)

Concentration: 4.946 ug/mL



Date : 24-JUN-2022 10:59

Client ID:

Instrument: nt6.i

Sample Info: LCV220624

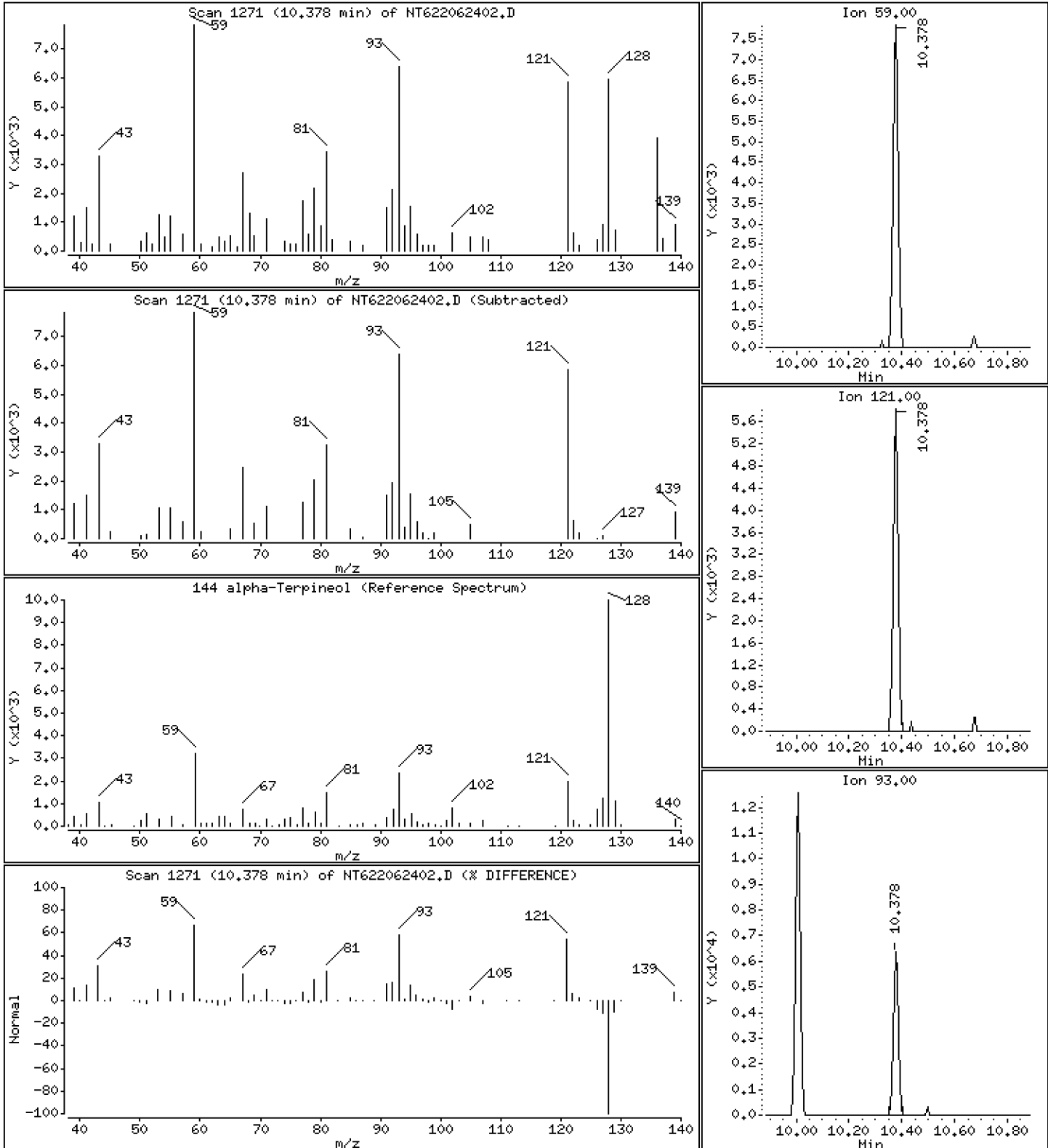
Operator: JZ

Column phase: ZB-5msi

Column diameter: 0.32

144 alpha-Terpineol

Concentration: 5.217 ug/mL



Date : 24-JUN-2022 10:59

Client ID:

Instrument: nt6.i

Sample Info: LCV220624

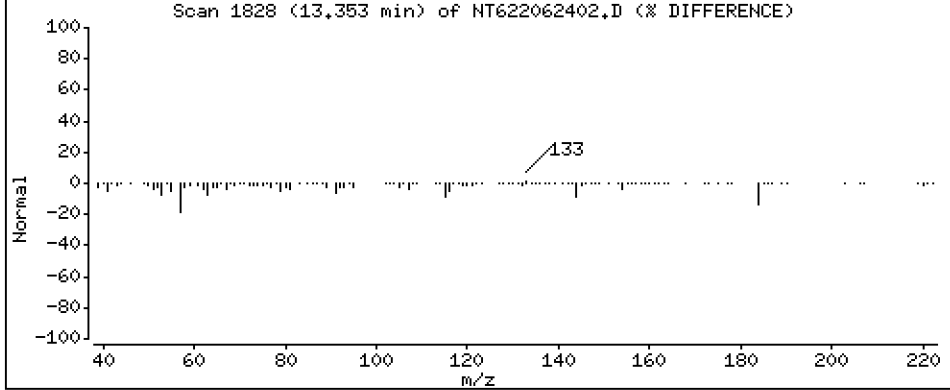
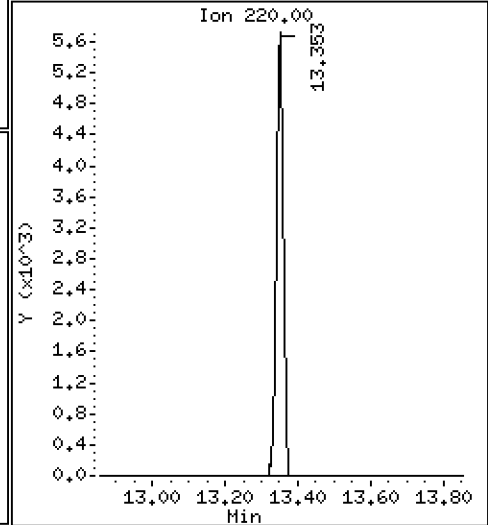
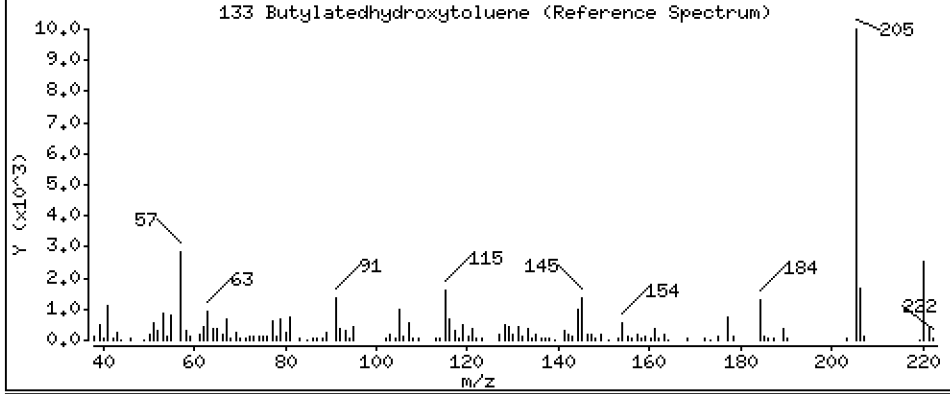
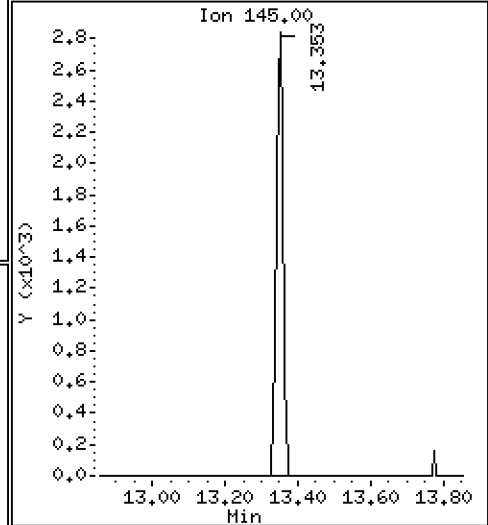
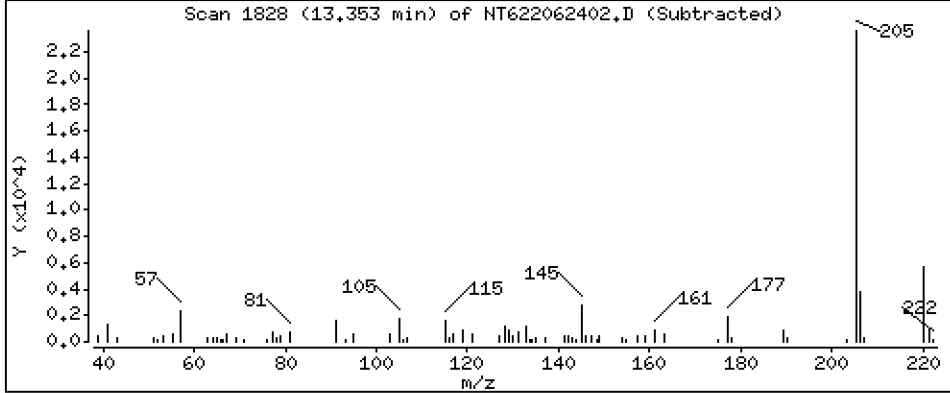
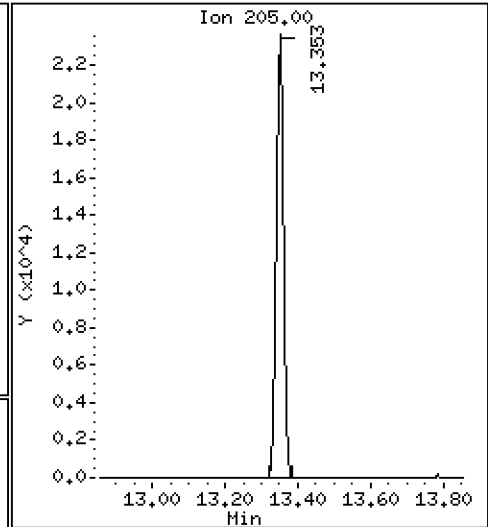
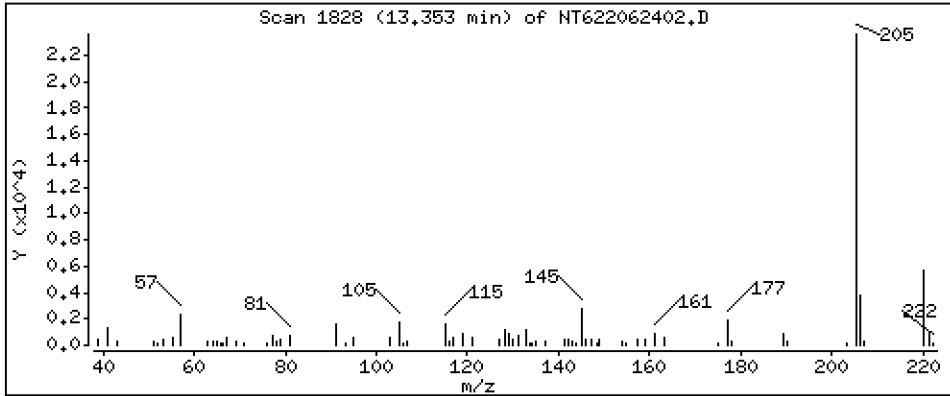
Operator: JZ

Column phase: ZB-5msi

Column diameter: 0.32

133 Butylatedhydroxytoluene

Concentration: 4.337 ug/mL



Date : 24-JUN-2022 10:59

Client ID:

Instrument: nt6.i

Sample Info: LCV220624

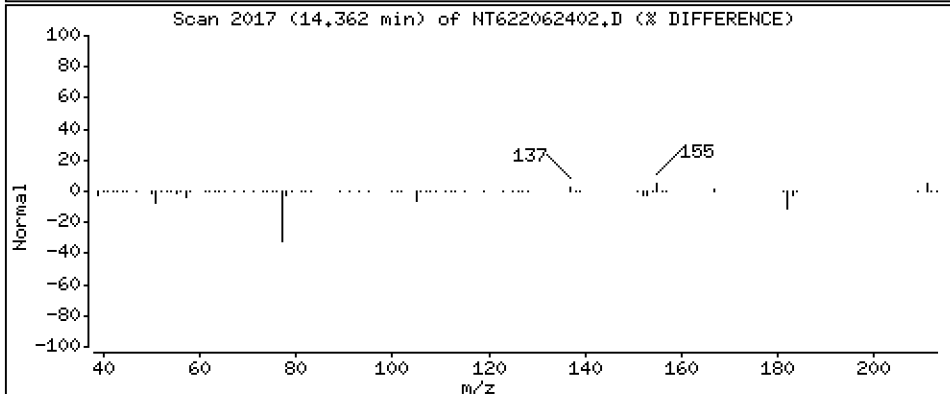
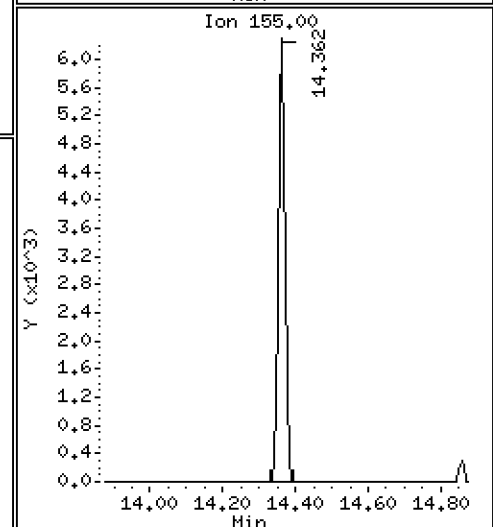
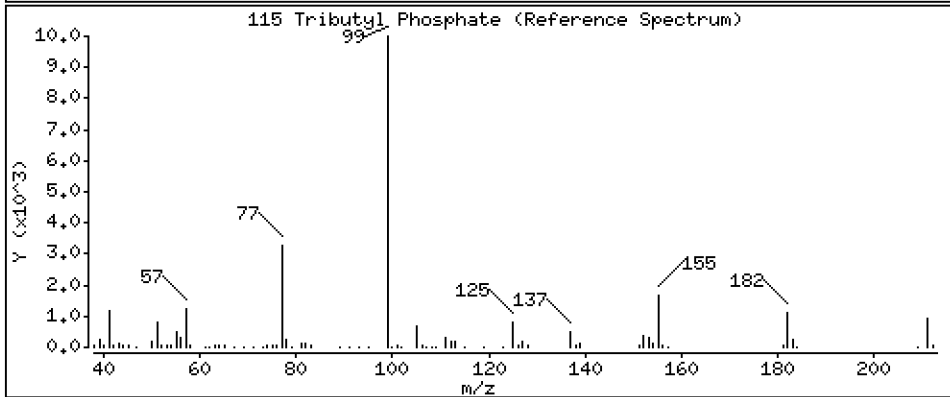
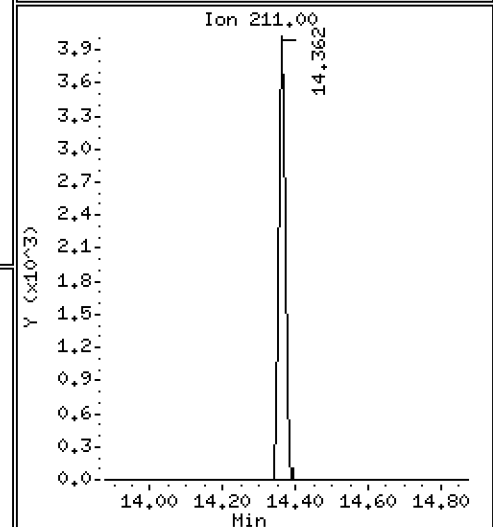
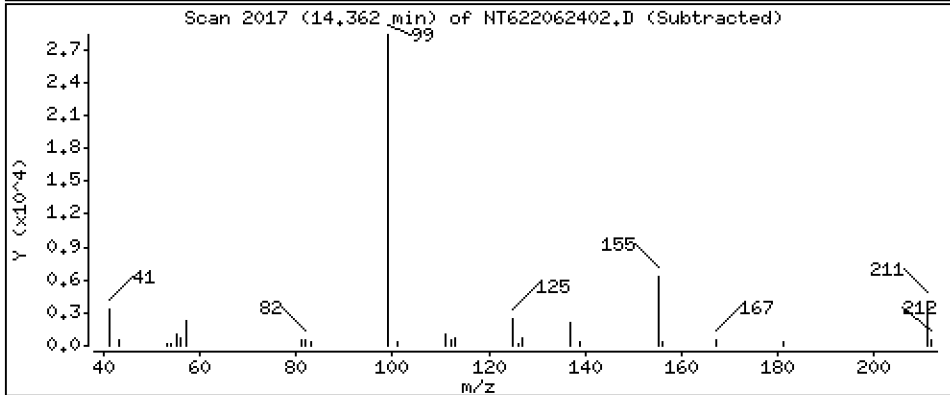
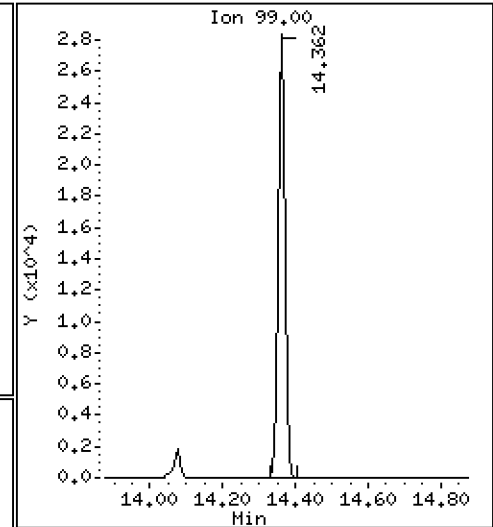
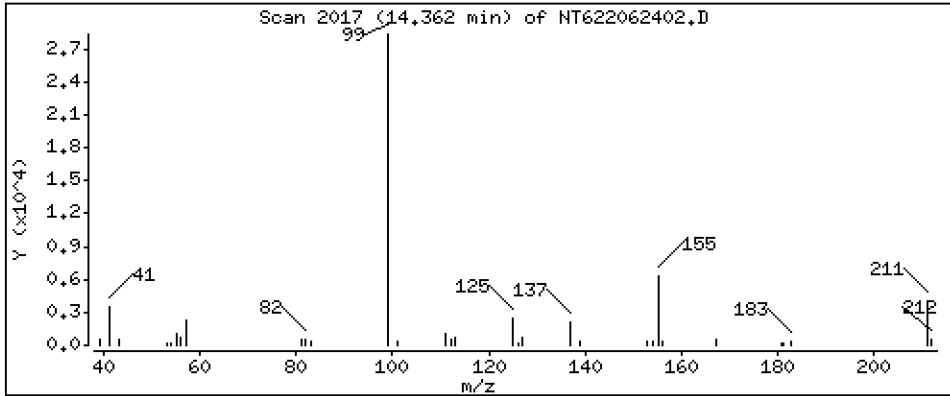
Operator: JZ

Column phase: ZB-5msi

Column diameter: 0.32

115 Tributyl Phosphate

Concentration: 4.863 ug/mL



Date : 24-JUN-2022 10:59

Client ID:

Instrument: nt6.i

Sample Info: LCV220624

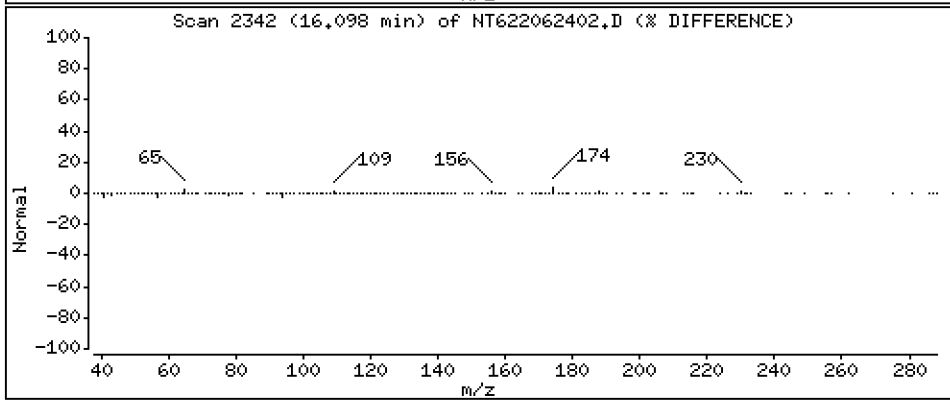
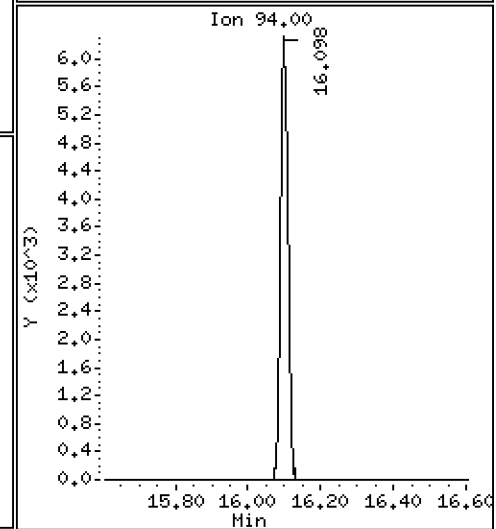
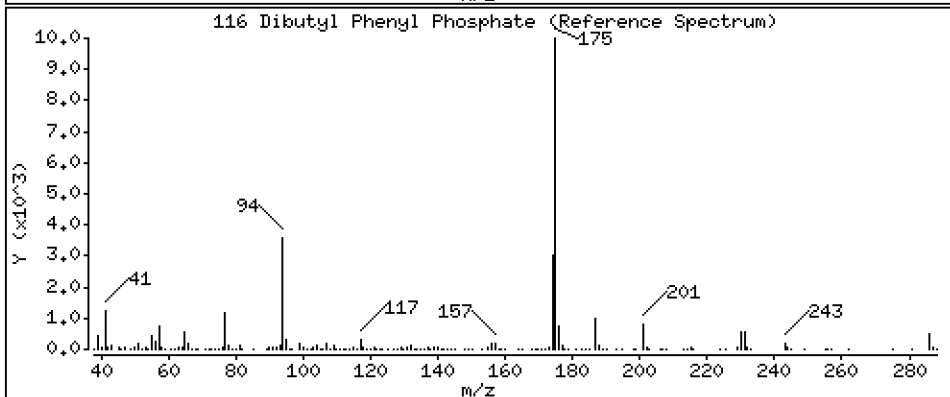
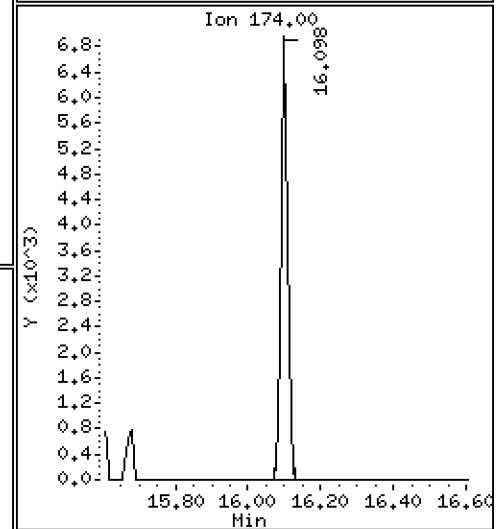
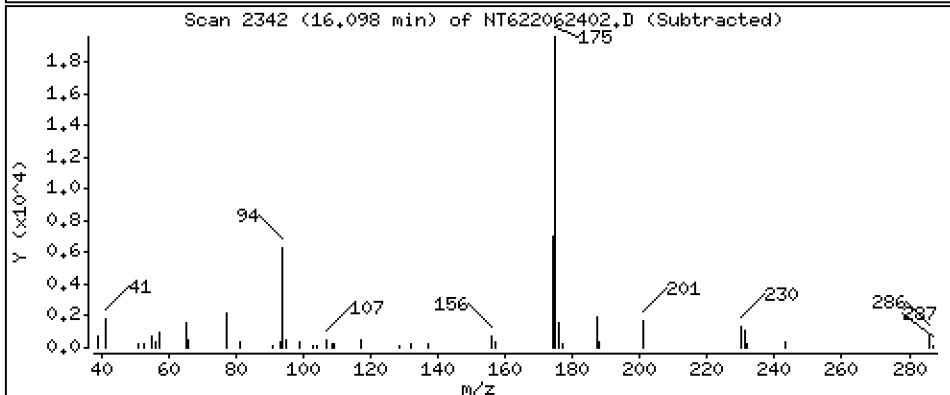
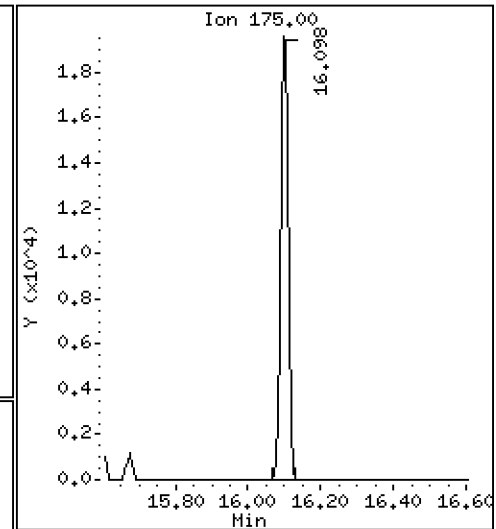
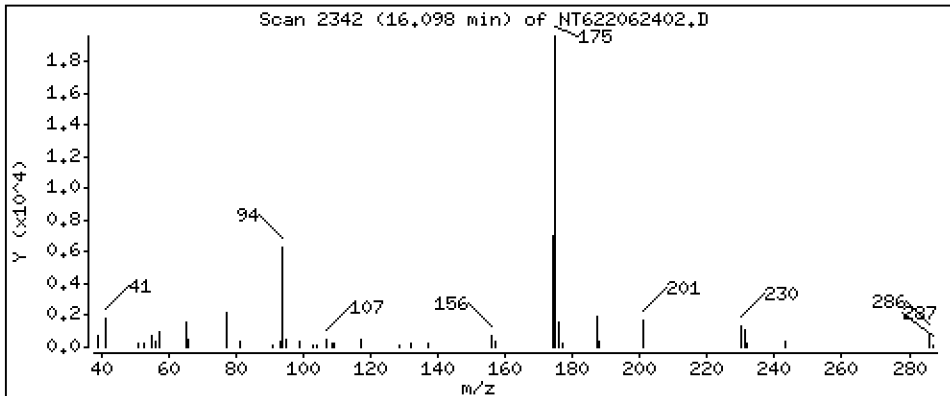
Operator: JZ

Column phase: ZB-5msi

Column diameter: 0.32

116 Dibutyl Phenyl Phosphate

Concentration: 5.050 ug/mL



Date : 24-JUN-2022 10:59

Client ID:

Instrument: nt6.i

Sample Info: LCV220624

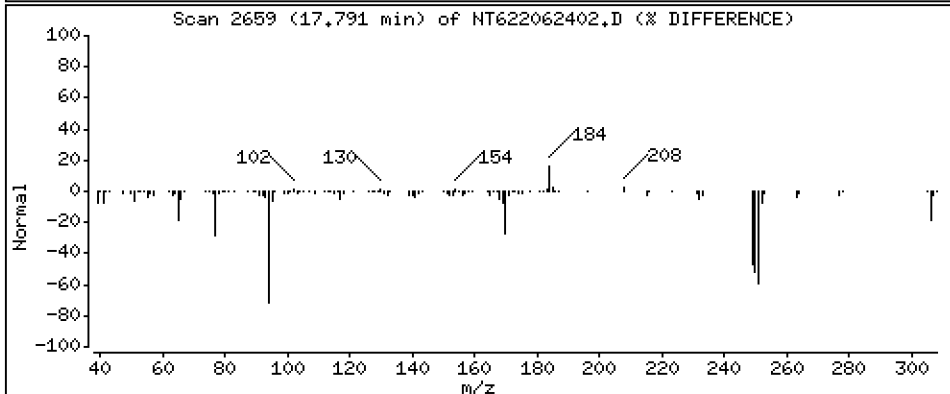
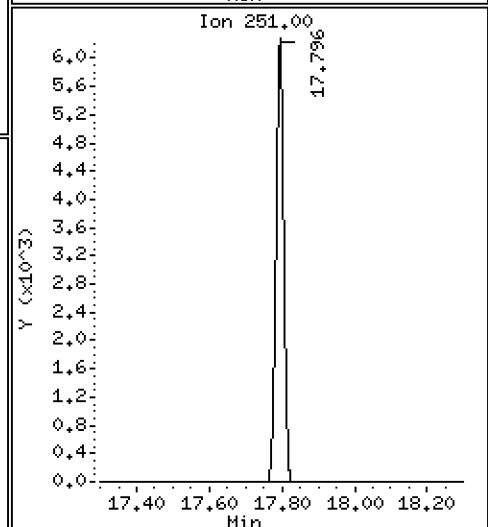
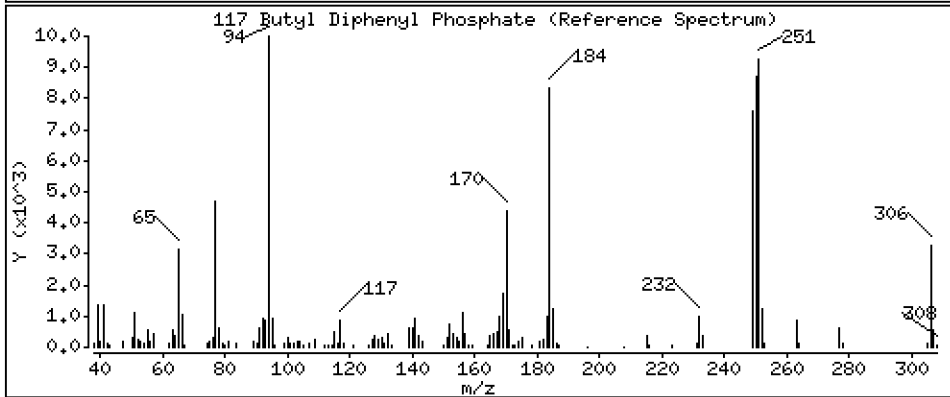
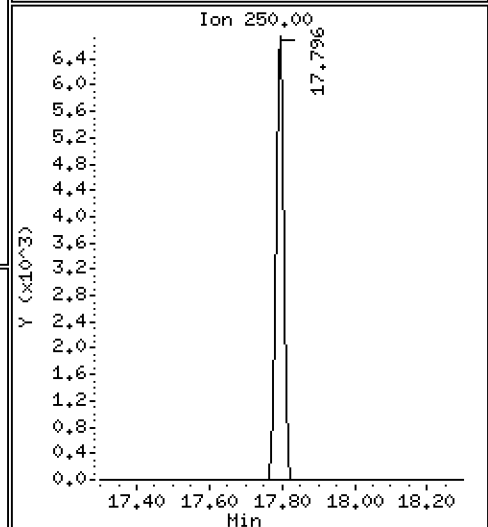
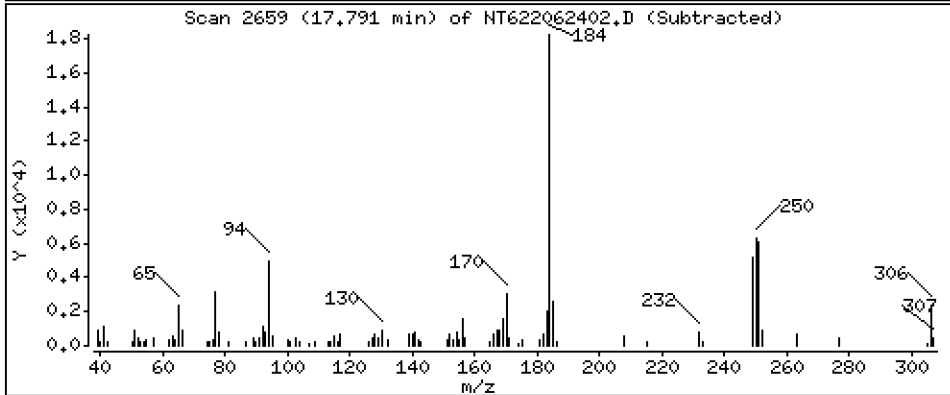
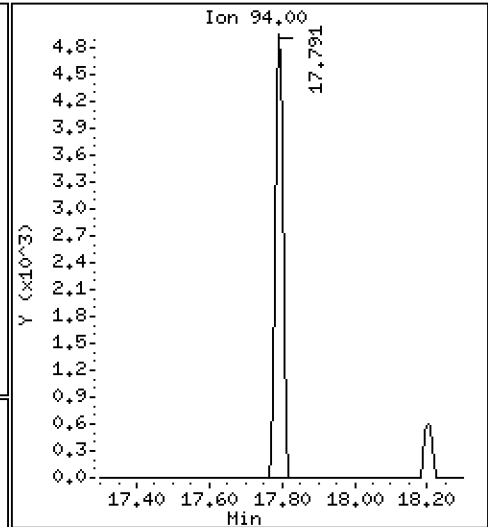
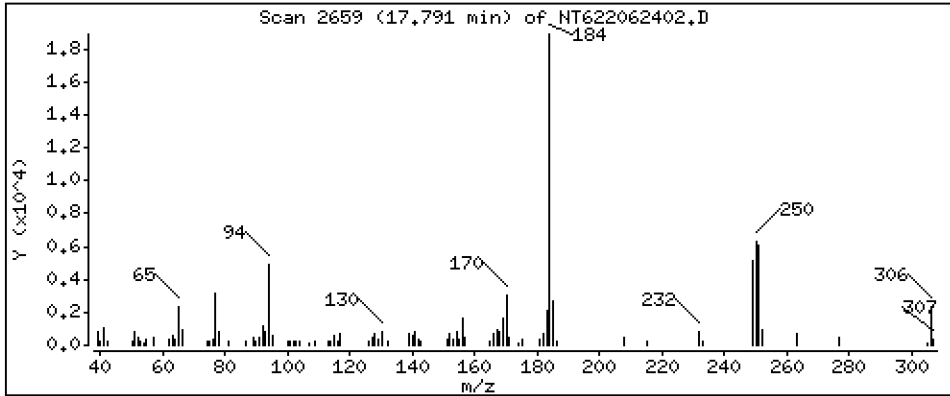
Operator: JZ

Column phase: ZB-5msi

Column diameter: 0.32

117 Butyl Diphenyl Phosphate

Concentration: 4.152 ug/mL



Date : 24-JUN-2022 10:59

Client ID:

Instrument: nt6.i

Sample Info: LCV220624

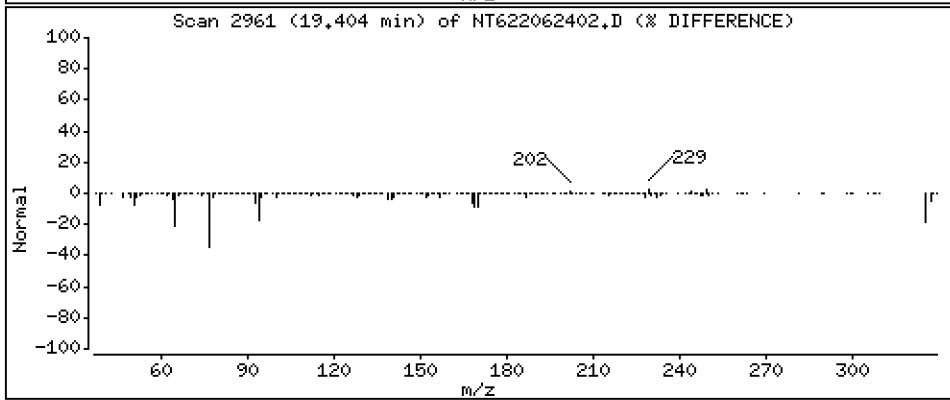
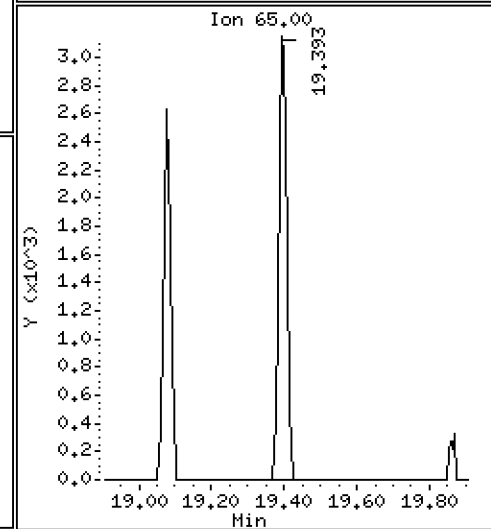
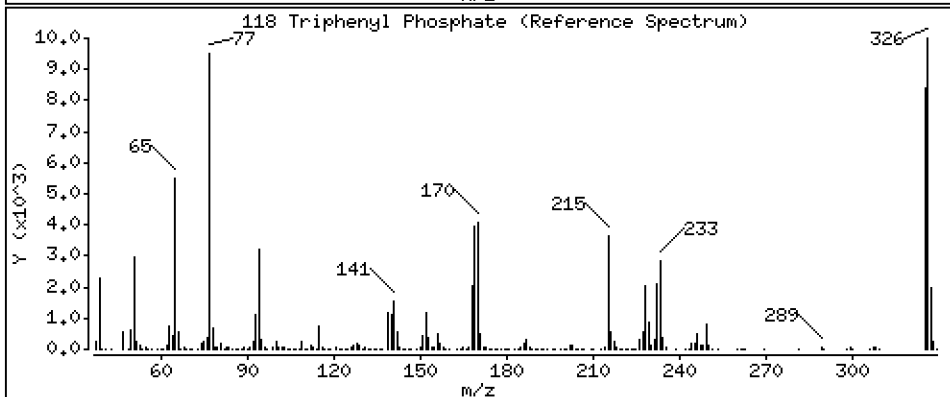
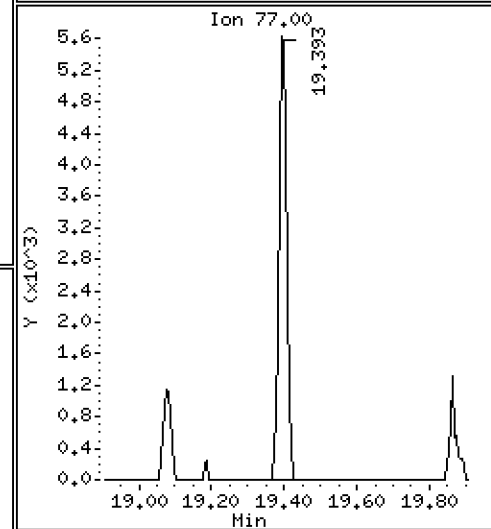
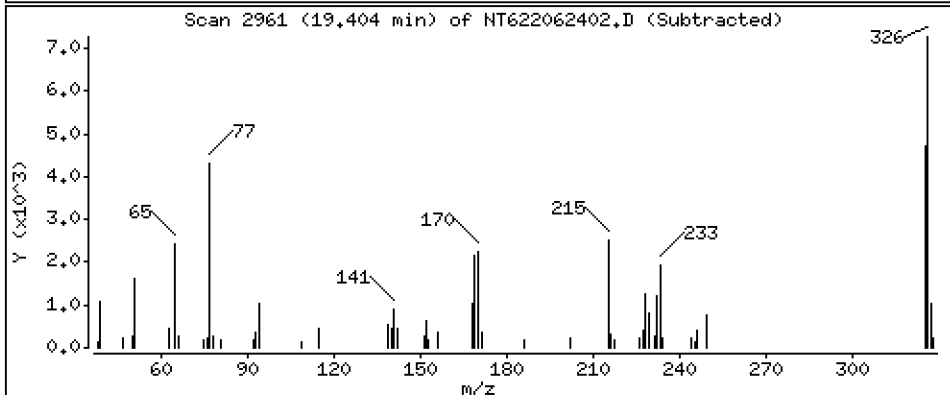
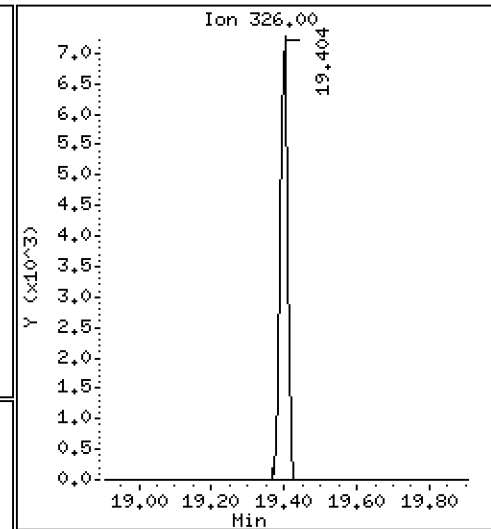
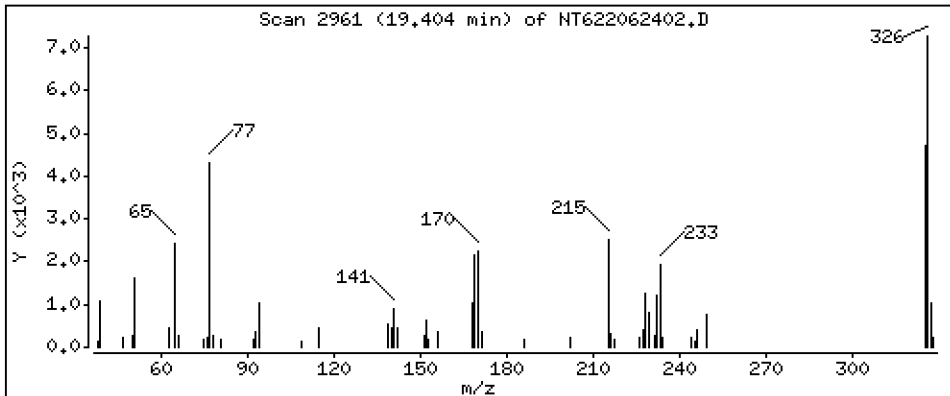
Operator: JZ

Column phase: ZB-5msi

Column diameter: 0.32

118 Triphenyl Phosphate

Concentration: 4.728 ug/mL



Date : 24-JUN-2022 10:59

Client ID:

Instrument: nt6.i

Sample Info: LCV220624

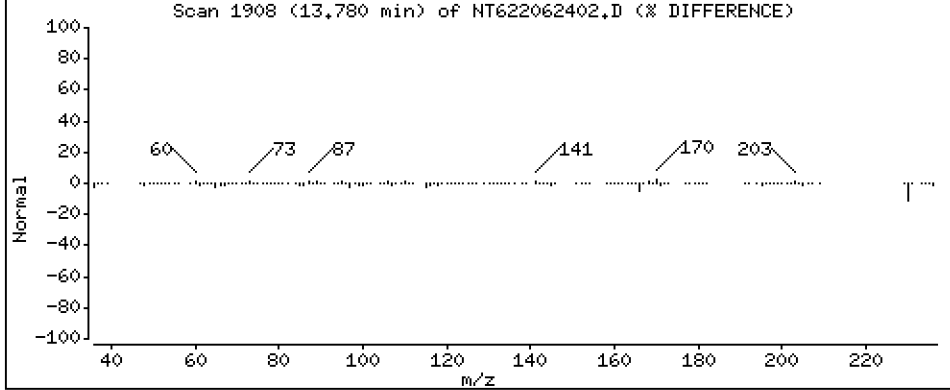
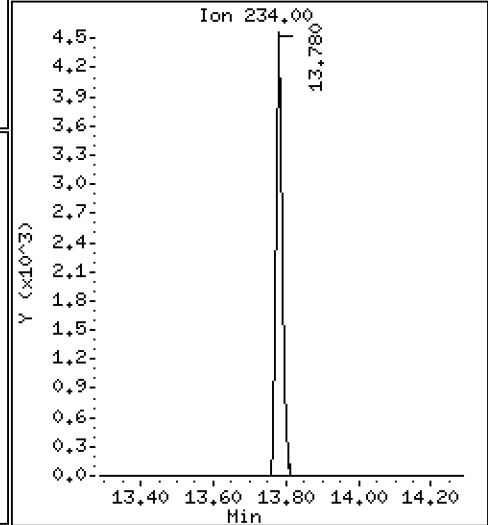
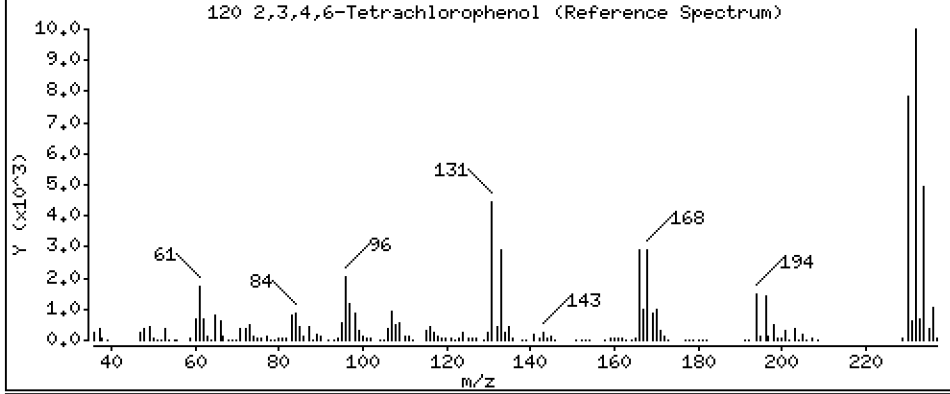
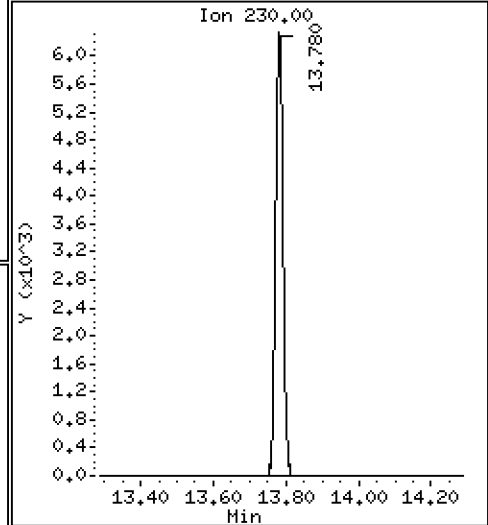
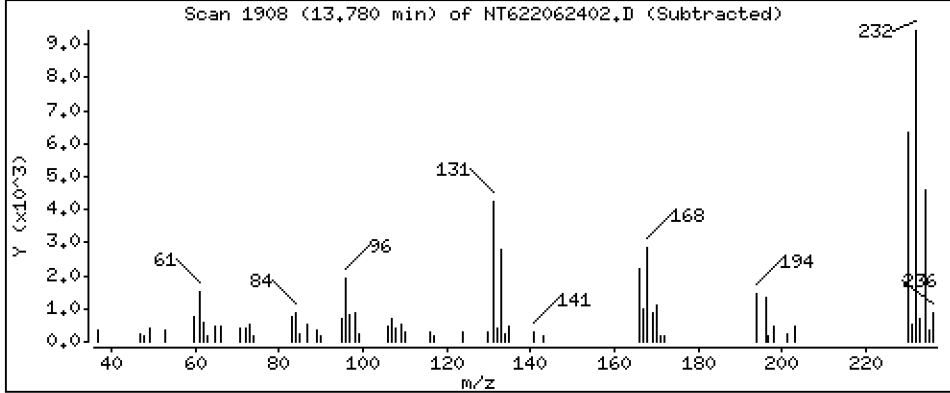
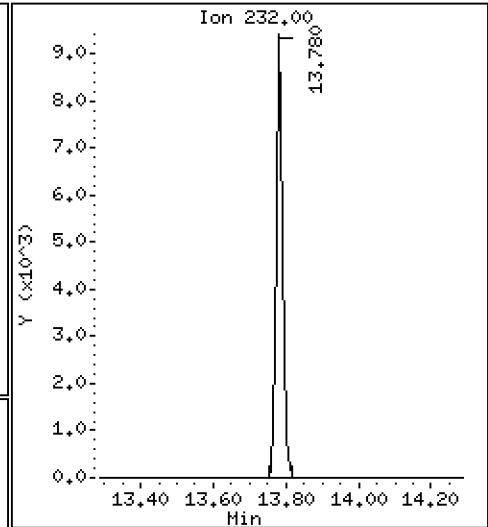
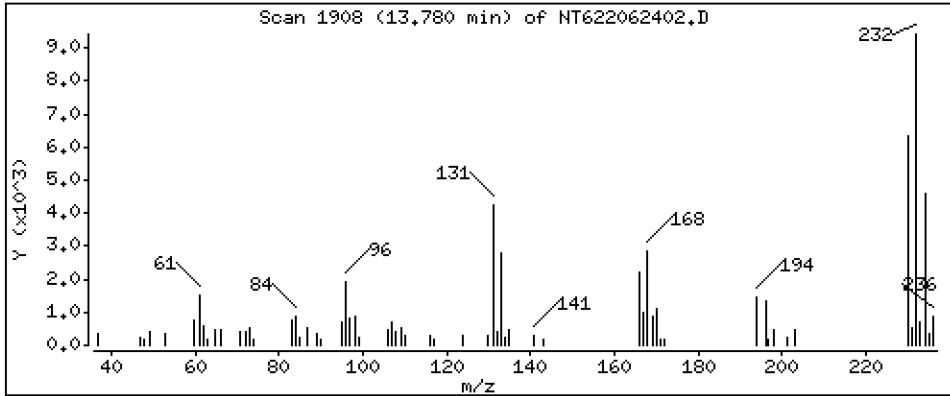
Operator: JZ

Column phase: ZB-5msi

Column diameter: 0.32

120 2,3,4,6-Tetrachlorophenol

Concentration: 5.284 ug/mL



Date : 24-JUN-2022 10:59

Client ID:

Instrument: nt6.i

Sample Info: LCV220624

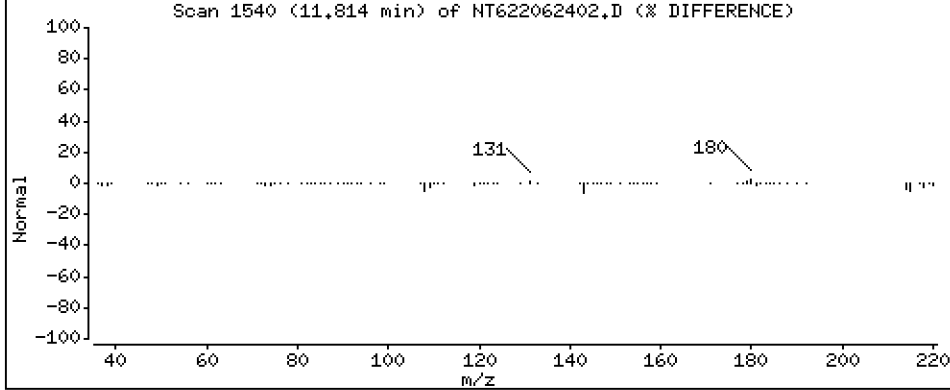
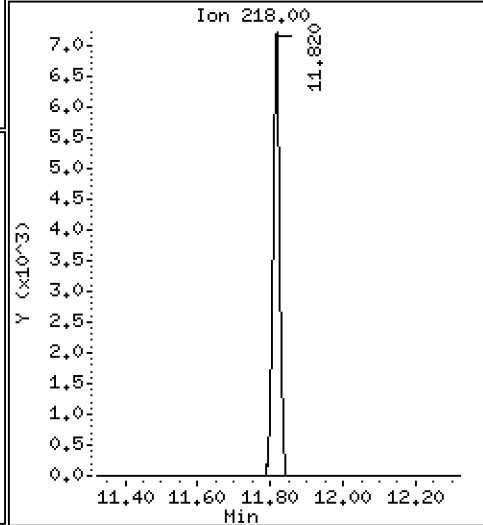
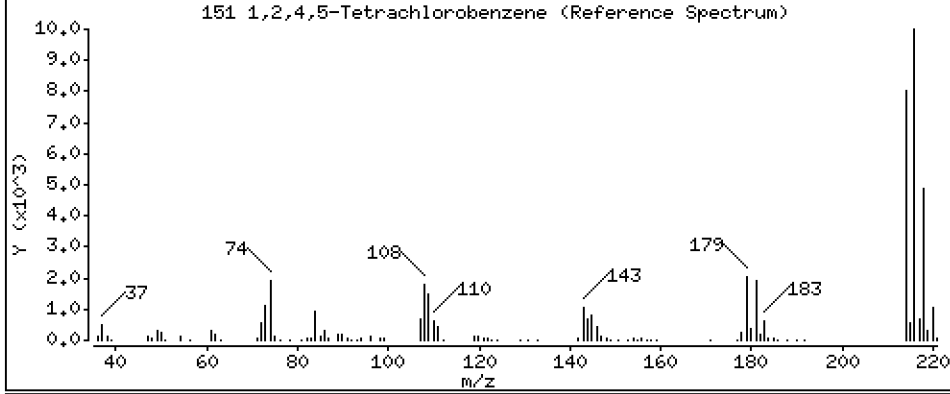
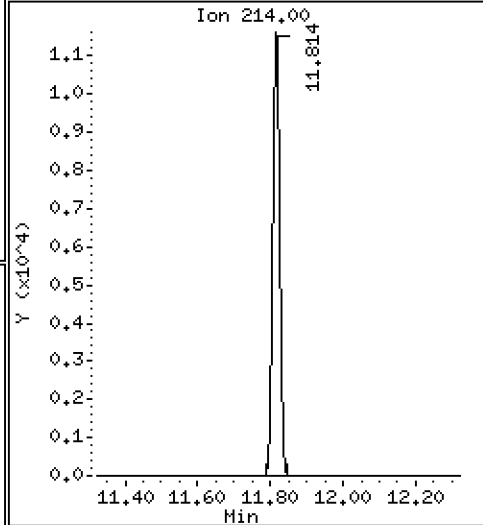
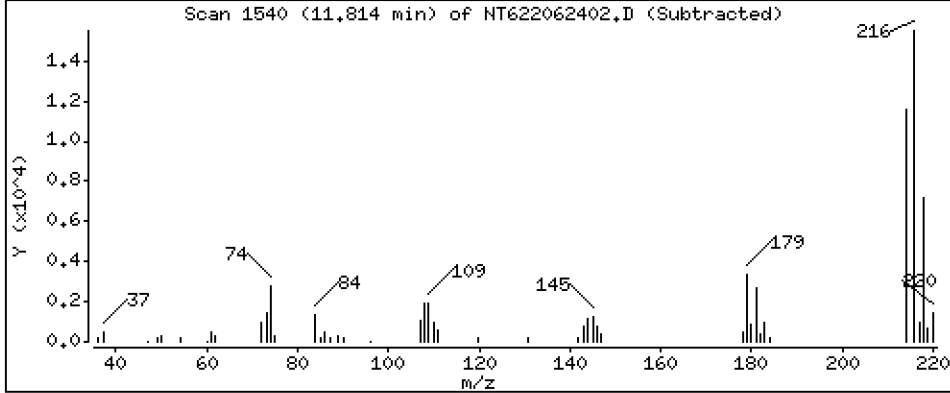
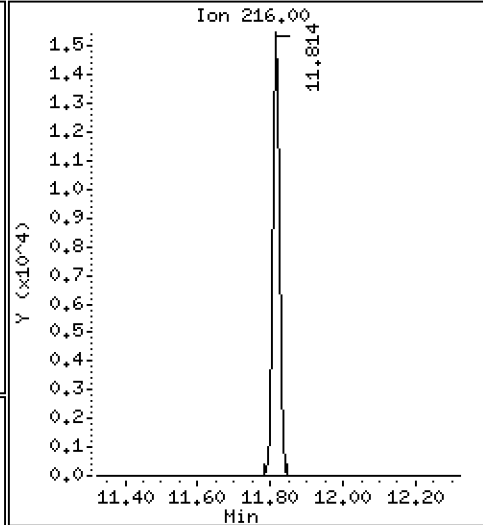
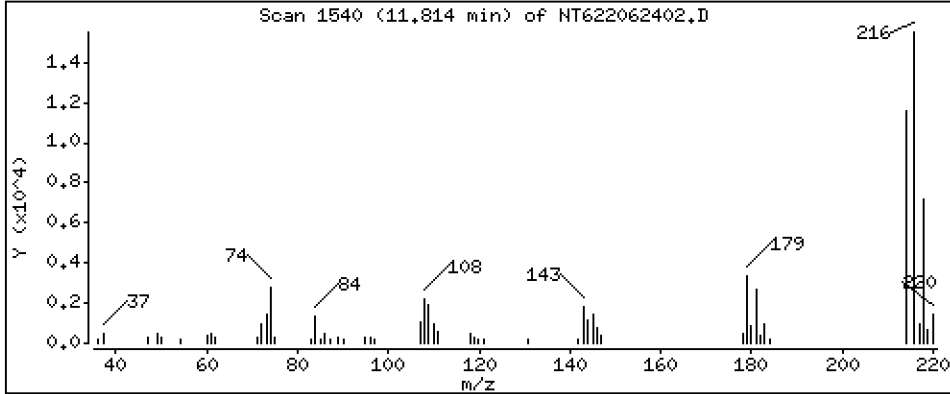
Operator: JZ

Column phase: ZB-5msi

Column diameter: 0.32

151 1,2,4,5-Tetrachlorobenzene

Concentration: 5.132 ug/mL



ARI Labs, Inc.

Semivolatile Report SW846 Method 8270D

Data file : \\target\share\chem3\nt6.i\20220624.b\NT622062402.D
 Lab Smp Id: SKF0291-LCV1
 Inj Date : 24-JUN-2022 10:59
 Operator : JZ Inst ID: nt6.i
 Smp Info : LCV220624
 Misc Info : 22-
 Comment : 1ul Injection
 Method : \\target\share\chem3\nt6.i\20220624.b\SW84620220516.m
 Meth Date : 24-Jun-2022 12:48 jianqing Quant Type: ISTD
 Cal Date : 16-MAY-2022 18:52 Cal File: NT622051604.D
 Als bottle: 2
 Dil Factor: 1.00000
 Integrator: HP RTE Compound Sublist: ICALA.sub
 Target Version: 4.14
 Processing Host: JIANQING-202105

Compounds	QUANT	SIG	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS	
							ON-COLUMN	FINAL
	MASS						(ug/mL)	(ug/mL)
\$ 1 2-Fluorophenol	112		6.355	6.356	(0.766)	24783	6.82371	6.824
\$ 2 Phenol-d5	99		7.856	7.862	(0.947)	27997	6.73875	6.739
3 Phenol	94		7.872	7.884	(0.949)	23651	4.89781	4.898
\$ 5 2-Chlorophenol-d4	132		7.995	8.001	(0.964)	25366	6.75503	6.755
4 Bis(2-Chloroethyl)ether	93		7.963	7.969	(0.960)	14863	5.10060	5.101
6 2-Chlorophenol	128		8.022	8.023	(0.967)	21137	5.36097	5.361
7 1,3-Dichlorobenzene	146		8.235	8.236	(0.993)	21009	5.12863	5.129
* 8 1,4-Dichlorobenzene-d4	152		8.294	8.300	(1.000)	67195	20.0000	
9 1,4-Dichlorobenzene	146		8.321	8.322	(1.003)	20288	5.07711	5.077
\$ 10 1,2-Dichlorobenzene-d4	152		8.593	8.594	(1.036)	12541	4.66658	4.667
12 1,2-Dichlorobenzene	146		8.615	8.615	(1.039)	19336	5.09613	5.096
11 Benzyl alcohol	108		8.572	8.573	(1.033)	10357	4.59221	4.592
14 2,2'-oxybis(1-Chloropropane)	45		8.823	8.824	(1.064)	11669	5.21601	5.216
13 2-Methylphenol	108		8.796	8.802	(1.061)	16865	5.15654	5.157
17 Hexachloroethane	117		9.095	9.101	(1.097)	8547	5.30374	5.304
16 N-Nitroso-di-n-propylamine	70		9.037	9.048	(1.090)	11137	5.09789	5.098
15 4-Methylphenol	108		9.026	9.032	(1.088)	17848	5.11610	5.116
\$ 18 Nitrobenzene-d5	82		9.218	9.224	(0.892)	16898	4.73484	4.735
19 Nitrobenzene	77		9.250	9.251	(0.896)	17263	5.09363	5.094
20 Isophorone	82		9.619	9.625	(0.931)	21906	5.09845	5.098
21 2-Nitrophenol	139		9.763	9.764	(0.945)	10891	5.19357	5.194
22 2,4-Dimethylphenol	107		9.859	9.865	(0.954)	21495	5.45191	5.452
23 Bis(2-Chloroethoxy)methane	93		10.009	10.009	(0.969)	15751	5.13582	5.136
24 Benzoic acid	105		9.998	10.111	(0.968)	10563	4.19796	4.198
25 2,4-Dichlorophenol	162		10.142	10.143	(0.982)	16879	5.25414	5.254
26 1,2,4-Trichlorobenzene	180		10.270	10.271	(0.994)	18993	5.18866	5.189
* 27 Naphthalene-d8	136		10.329	10.335	(1.000)	232411	20.0000	
28 Naphthalene	128		10.361	10.367	(1.003)	49752	5.09307	5.093
29 4-Chloroaniline	127		10.500	10.506	(1.017)	18637	4.64200	4.642
30 Hexachlorobutadiene	225		10.676	10.677	(1.034)	12577	5.32534	5.325
31 4-Chloro-3-methylphenol	107		11.301	11.307	(1.094)	17109	5.28777	5.288
32 2-Methylnaphthalene	141		11.477	11.484	(1.111)	26685	4.78391	4.784
33 Hexachlorocyclopentadiene	237		11.857	11.857	(0.899)	9360	3.61364	3.614

Compounds	QUANT SIG					CONCENTRATIONS	
	MASS	RT	EXP RT	REL RT	RESPONSE	ON-COLUMN (ug/mL)	FINAL (ug/mL)
34 2,4,6-Trichlorophenol	196	11.990	11.991	(0.909)	13739	5.13764	5.138
35 2,4,5-Trichlorophenol	196	12.049	12.050	(0.913)	14660	5.14804	5.148
36 2-Fluorobiphenyl	172	12.118	12.119	(0.919)	41020	4.70868	4.709
37 2-Chloronaphthalene	162	12.257	12.263	(0.929)	33182	4.78442	4.784
38 2-Nitroaniline	65	12.492	12.498	(0.947)	7551	4.30696	4.307
39 Dimethylphthalate	163	12.855	12.862	(0.974)	40259	5.30440	5.304
40 Acenaphthylene	152	12.936	12.942	(0.981)	56645	5.03734	5.037
41 2,6-Dinitrotoluene	165	12.952	12.958	(0.982)	9065	5.23948	5.239
42 Acenaphthene-d10	164	13.192	13.193	(1.000)	143203	20.0000	
43 3-Nitroaniline	138	13.165	13.177	(0.998)	7737	4.57938	4.579
44 Acenaphthene	153	13.240	13.246	(1.004)	33035	4.95492	4.955
45 2,4-Dinitrophenol	184	13.336	13.337	(1.011)	368	0.37411	0.3741
46 Dibenzofuran	168	13.496	13.502	(1.023)	46360	4.81156	4.812
47 4-Nitrophenol	109	13.475	13.476	(1.021)	6283	5.14533	5.145
48 2,4-Dinitrotoluene	165	13.582	13.588	(1.030)	10967	4.91156	4.912
50 Diethylphthalate	149	14.004	14.015	(1.062)	41318	5.63591	5.636
49 Fluorene	166	14.057	14.063	(1.066)	38912	5.04855	5.049
51 4-Chlorophenyl-phenylether	204	14.079	14.079	(1.067)	21856	5.05316	5.053
52 4-Nitroaniline	138	14.159	14.175	(1.073)	6817	4.46162	4.462
53 4,6-Dinitro-2-methylphenol	198	14.228	14.245	(0.914)	6439	4.41798	4.418
54 N-Nitrosodiphenylamine	169	14.282	14.288	(0.917)	28031	4.85842	4.858
55 2,4,6-Tribromophenol	330	14.479	14.485	(1.098)	8587	7.04732	7.047
56 4-Bromophenyl-phenylether	248	14.858	14.864	(0.954)	12258	4.90252	4.903
57 Hexachlorobenzene	284	15.083	15.083	(0.969)	14117	5.18794	5.188
58 Pentachlorophenol	266	15.382	15.383	(0.988)	6784	3.73202	3.732
59 Phenanthrene-d10	188	15.569	15.569	(1.000)	266179	20.0000	
60 Phenanthrene	178	15.601	15.607	(1.002)	55954	5.09977	5.100
61 Anthracene	178	15.676	15.676	(1.007)	54673	4.98161	4.982
62 Carbazole	167	15.959	15.959	(1.025)	48753	5.16782	5.168
63 Di-n-butylphthalate	149	16.658	16.659	(1.070)	67107	5.68051	5.681
64 Fluoranthene	202	17.540	17.546	(1.127)	67783	5.46618	5.466
65 Pyrene	202	17.897	17.904	(0.900)	69374	4.94533	4.945
66 Terphenyl-d14	244	18.202	18.208	(0.915)	47844	4.50420	4.504
67 Butylbenzylphthalate	149	19.083	19.084	(0.960)	28894	5.26110	5.261
68 Benzo(a)anthracene	228	19.858	19.864	(0.999)	60598	4.89142	4.891
69 Chrysene-d12	240	19.884	19.890	(1.000)	223436	20.0000	
70 3,3'-Dichlorobenzidine	252	19.868	19.869	(0.999)	19436	5.23793	5.238
71 Chrysene	228	19.927	19.933	(1.002)	56914	5.00085	5.001
72 bis(2-Ethylhexyl)phthalate	149	20.066	20.072	(0.955)	39427	5.34812	5.348
134 Di-n-octylphthalate-d4	153	21.001	21.007	(1.000)	318664	20.0000	
73 Di-n-octylphthalate	149	21.011	21.012	(1.000)	67745	5.09381	5.094
74 Benzo(b)fluoranthene	252	21.513	21.519	(0.976)	56930	5.00284	5.003
75 Benzo(k)fluoranthene	252	21.545	21.557	(0.977)	59982	5.26056	5.261
187 Total Benzofluoranthenes	252	21.545	21.557	(0.977)	112205	10.3616	10.36 (M)
76 Benzo(a)pyrene	252	21.962	21.973	(0.996)	52338	4.90112	4.901
77 Perylene-d12	264	22.053	22.054	(1.000)	230513	20.0000	
78 Indeno(1,2,3-cd)pyrene	276	23.639	23.656	(1.072)	72288	4.63119	4.631
79 Dibenzo(a,h)anthracene	278	23.666	23.683	(1.073)	59544	4.56027	4.560
80 Benzo(g,h,i)perylene	276	24.088	24.104	(1.092)	61172	4.56924	4.569
90 N-Nitrosodimethylamine	74	3.797	3.803	(0.458)	8832	5.20879	5.209
103 Pyridine	79	3.760	3.755	(0.453)	15417	4.83072	4.831
91 Aniline	93	7.856	7.857	(0.947)	21990	4.42833	4.428
105 1-methylnaphthalene	141	11.648	11.654	(1.128)	26321	4.99945	4.999
93 Benzidine	184	17.791	17.797	(0.895)	29158	7.74031	7.740

Compounds	QUANT SIG	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS	
						ON-COLUMN (ug/mL)	FINAL (ug/mL)
111 Azobenzene (1,2-DP-Hydrazine)	77	14.324	14.330	(0.920)	33519	4.94611	4.946
144 alpha-Terpineol	59	10.377	10.383	(1.005)	10483	5.21741	5.217
133 Butylatedhydroxytoluene	205	13.352	13.353	(1.012)	32964	4.33723	4.337
115 Tributyl Phosphate	99	14.362	14.373	(0.922)	37178	4.86348	4.863
116 Dibutyl Phenyl Phosphate	175	16.098	16.104	(1.034)	28791	5.04980	5.050
117 Butyl Diphenyl Phosphate	94	17.791	17.797	(0.895)	7507	4.15225	4.152
118 Triphenyl Phosphate	326	19.404	19.404	(0.976)	10441	4.72776	4.728
120 2,3,4,6-Tetrachlorophenol	232	13.780	13.786	(1.045)	11505	5.28429	5.284
151 1,2,4,5-Tetrachlorobenzene	216	11.814	11.820	(0.896)	20170	5.13184	5.132

QC Flag Legend

M - Compound response manually integrated.

ARI Labs, Inc.

INTERNAL STANDARD COMPOUNDS
 AREA AND RT SUMMARY

Instrument ID: nt6.i Calibration Date: 24-JUN-2022
 Lab File ID: NT622062402.D Calibration Time: 10:22
 Lab Smp Id: SKF0291-LCV1
 Analysis Type: SV Level:
 Quant Type: ISTD Sample Type:
 Operator: JZ
 Method File: \\target\share\chem3\nt6.i\20220624.b\SW84620220516.m
 Misc Info: 22-

Test Mode:
 Use Last Continuing Calibrator.

COMPOUND	STANDARD	AREA LIMIT		SAMPLE	%DIFF
		LOWER	UPPER		
8 1,4-Dichlorobenze	61282	30641	122564	67195	9.65
27 Naphthalene-d8	213957	106979	427914	232411	8.63
42 Acenaphthene-d10	139427	69714	278854	143203	2.71
59 Phenanthrene-d10	268928	134464	537856	266179	-1.02
69 Chrysene-d12	229100	114550	458200	223436	-2.47
134 Di-n-octylphthala	325717	162859	651434	318664	-2.17
77 Perylene-d12	228006	114003	456012	230513	1.10

COMPOUND	STANDARD	RT LIMIT		SAMPLE	%DIFF
		LOWER	UPPER		
8 1,4-Dichlorobenze	8.30	7.80	8.80	8.29	-0.07
27 Naphthalene-d8	10.34	9.84	10.84	10.33	-0.06
42 Acenaphthene-d10	13.19	12.69	13.69	13.19	-0.01
59 Phenanthrene-d10	15.57	15.07	16.07	15.57	-0.00
69 Chrysene-d12	19.89	19.39	20.39	19.88	-0.03
134 Di-n-octylphthala	21.01	20.51	21.51	21.00	-0.03
77 Perylene-d12	22.05	21.55	22.55	22.05	-0.00

AREA UPPER LIMIT = +100% of internal standard area.
 AREA LOWER LIMIT = - 50% of internal standard area.
 RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
 RT LOWER LIMIT = - 0.50 minutes of internal standard RT.

REVIEW SUMMARY FOR FILE - NT622062402.D

Lab ID: SKF0291-LCV1
nt6.i, SW84620220516.m, 24-JUN-2022 10:59

RT CO-ELUTION COMPOUNDS

NO CO-ELUTIONS

Quant Method: ICAL

No RRT check performed

On Column LOD for nt6.i, SW84620220516.m, ICALA.sub = 0.0100

* Only compounds listed in the work order have been verified by the analyst *

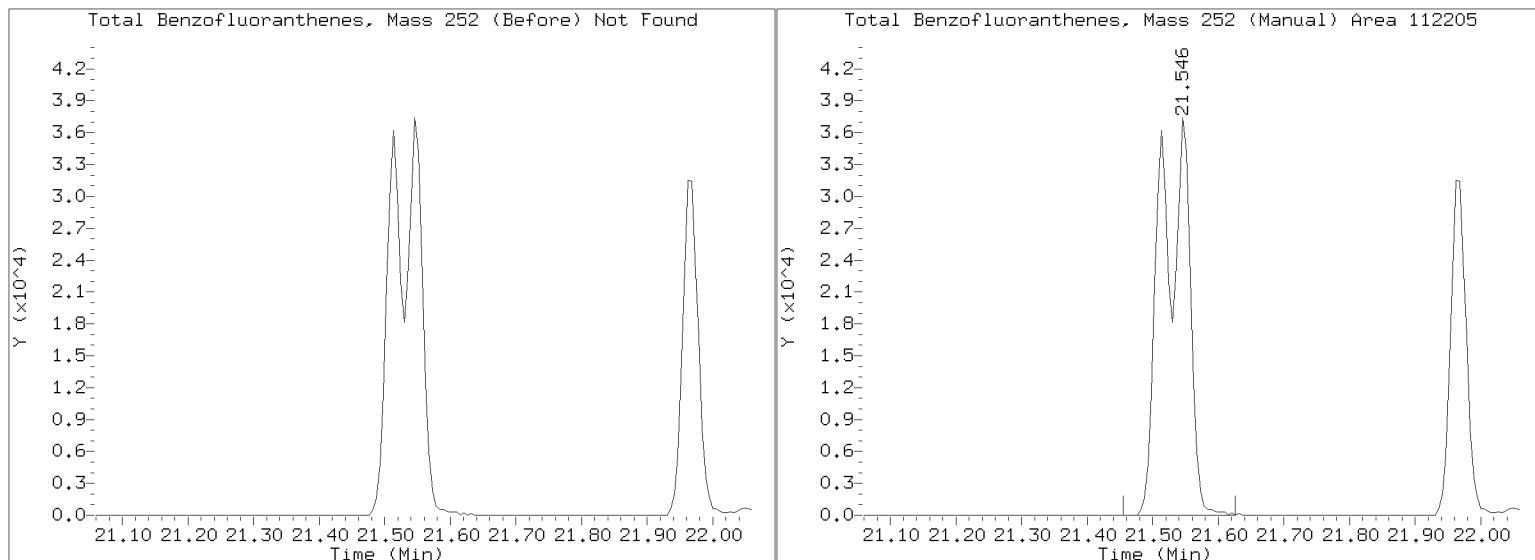
Quant Ion Manual Peak Adjustment Report

Datafile: //target/share/chem3/nt6.i/20220624.b/NT622062402.D

Injection Date: 24-JUN-2022 10:59

Lab ID:SKF0291-LCV1 Client ID:

Report Date: 06/24/2022 12:52





**LOW-CONCENTRATION
CALIBRATION VERIFICATION
EPA 8270E**

Laboratory: Analytical Resources, LLC

SDG: 22F0267

Client: GeoEngineers

Project: RG Haley Site-Bellingham

Calibration: FF00062

Laboratory ID: SKG0010-LCV1

Sequence: SKG0010

Standard ID: K005649

ANALYTE	EXPECTED (ug/mL)	FOUND (ug/mL)	% DRIFT	QC LIMIT
Naphthalene	0.50000	0.4	-17.6	50.00
2-Methylnaphthalene	0.50000	0.4	-20.1	50.00
Acenaphthene	0.50000	0.4	-18.0	50.00
Pentachlorophenol	1.0000	0.01	-98.6 *	50.00
Phenanthrene	0.50000	0.4	-19.8	50.00
Fluoranthene	0.50000	0.6	26.5	50.00
Benzo(a)anthracene	0.50000	0.4	-18.6	50.00
Chrysene	0.50000	0.4	-15.2	50.00
Benzo(b)fluoranthene	0.50000	0.3	-33.7	50.00
Benzo(k)fluoranthene	0.50000	0.4	-21.4	50.00
Benzo(a)pyrene	0.50000	0.4	-19.9	50.00
Indeno(1,2,3-cd)pyrene	0.50000	0.4	-23.5	50.00
Dibenzo(a,h)anthracene	0.50000	0.4	-20.0	50.00
1-Methylnaphthalene	0.50000	0.4	-18.9	50.00
2-Fluorophenol	0.75000	0.708	-5.6	50.00
Phenol-d5	0.75000	0.582	-22.4	50.00
2-Chlorophenol-d4	0.75000	0.667	-11.1	50.00
1,2-Dichlorobenzene-d4	0.50000	0.447	-10.5	50.00
Nitrobenzene-d5	0.50000	0.424	-15.2	50.00
2-Fluorobiphenyl	0.50000	0.457	-8.6	50.00
2,4,6-Tribromophenol	0.75000	0.430	-42.7	50.00
p-Terphenyl-d14	0.50000	0.753	50.7 *	50.00

* Values outside of QC limits

Data File: \\target\share\chem3\nt10.1\20220630.1\NT1022063004.D

Date: 30-JUN-2022 15:27

Client ID:

Sample Info: SK00010-LCW1

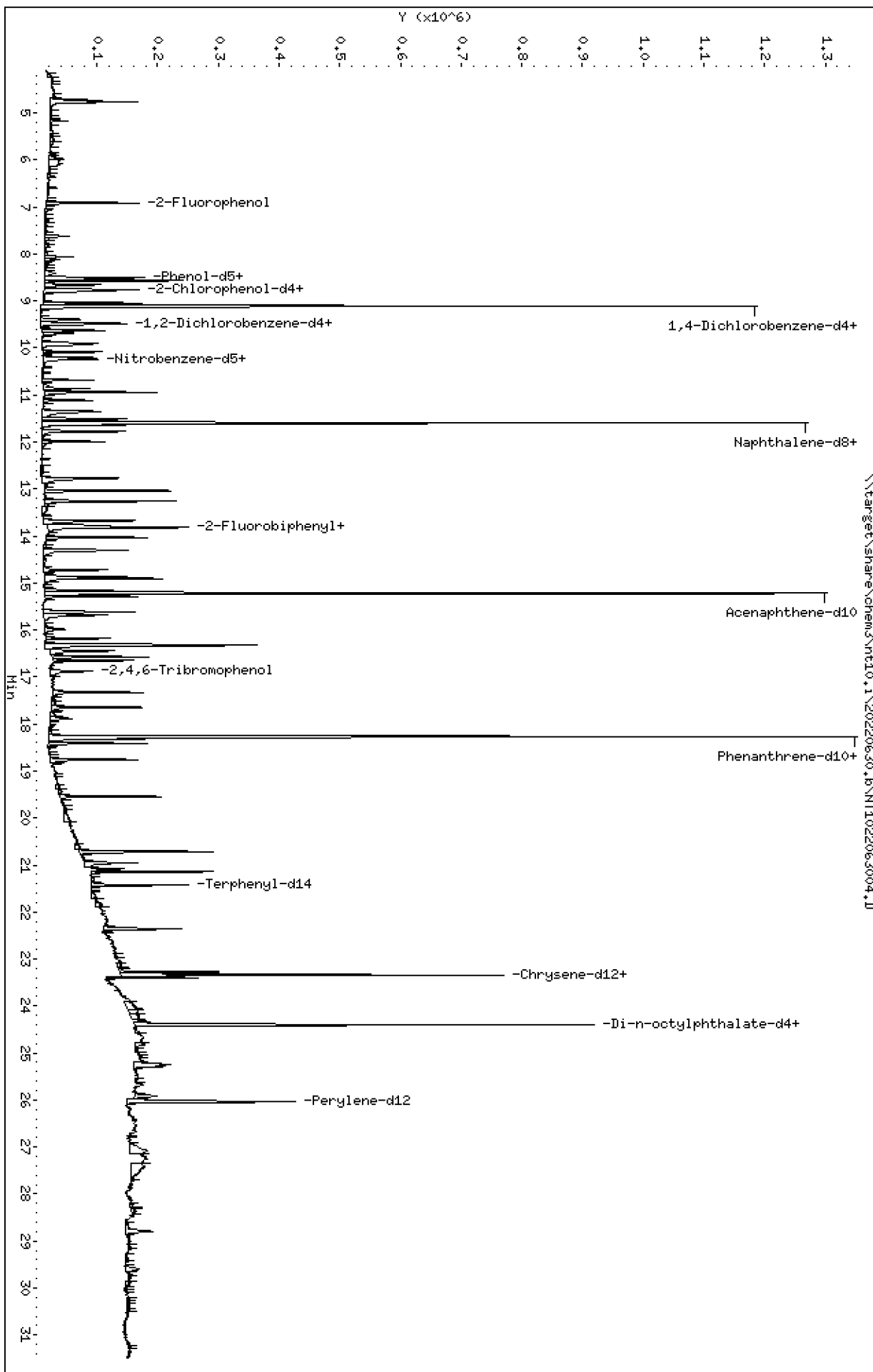
Column phase: ZB-5msi

Instrument: nt10.1

Operator: VTS

Column diameter: 0.25

Page 1



Date : 30-JUN-2022 15:27

Client ID:

Instrument: nt10.i

Sample Info: SKG0010-LCV1

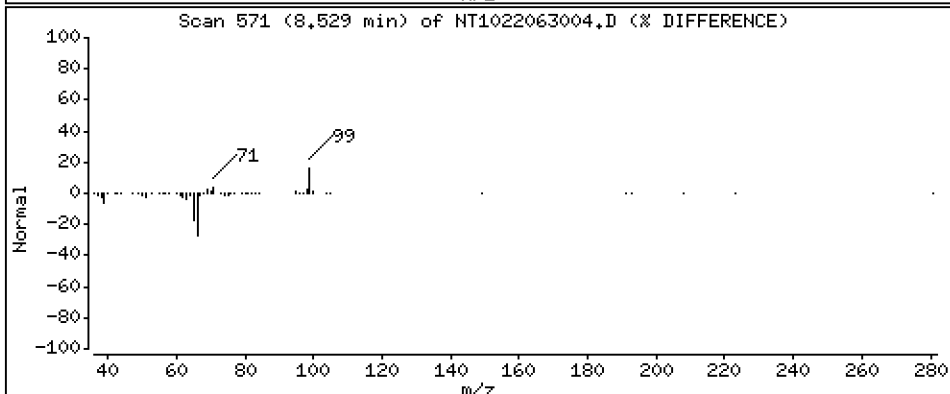
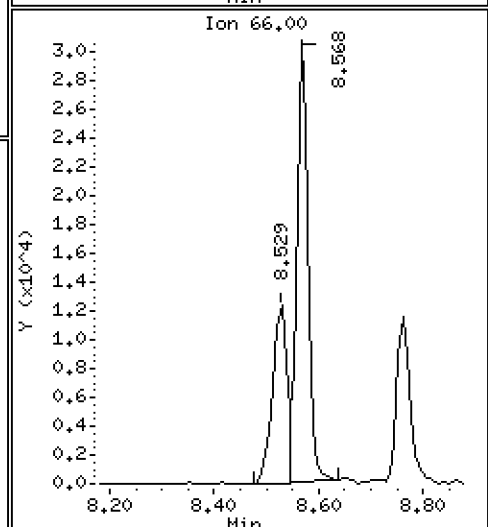
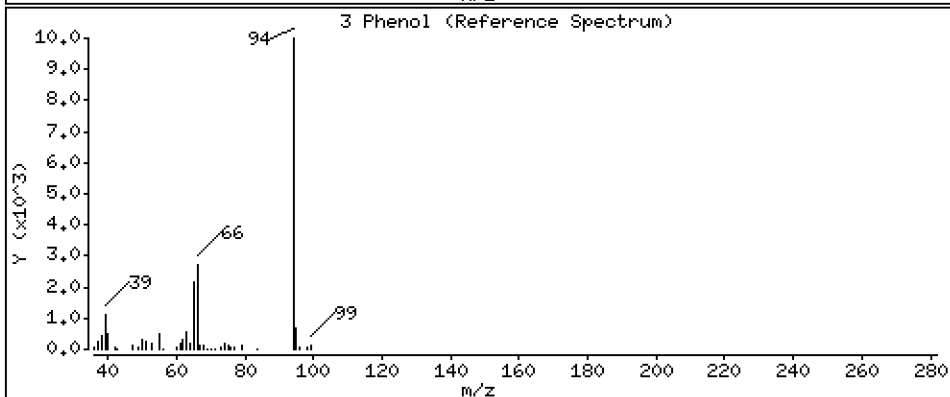
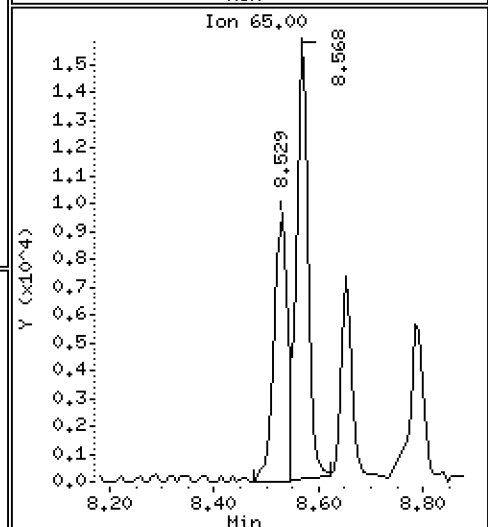
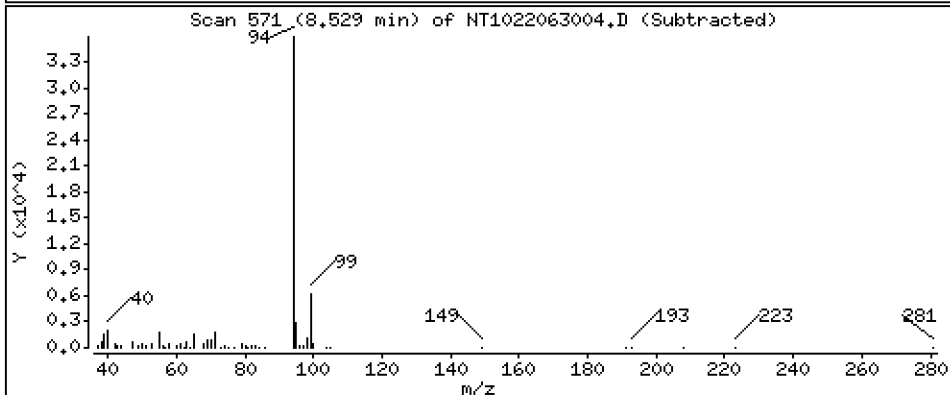
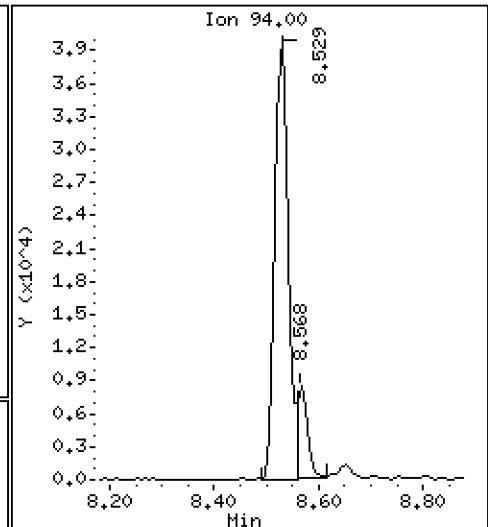
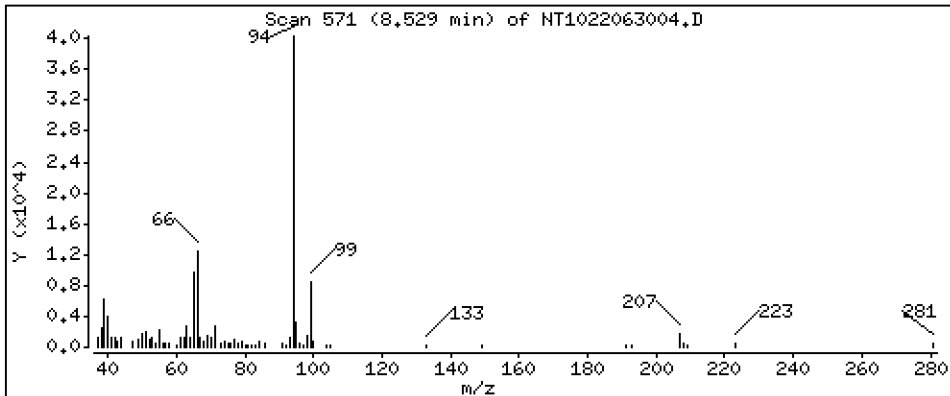
Operator: VTS

Column phase: ZB-5msi

Column diameter: 0,25

3 Phenol

Concentration: 0,4435 ug/mL



Date : 30-JUN-2022 15:27

Client ID:

Instrument: nt10.i

Sample Info: SKG0010-LCV1

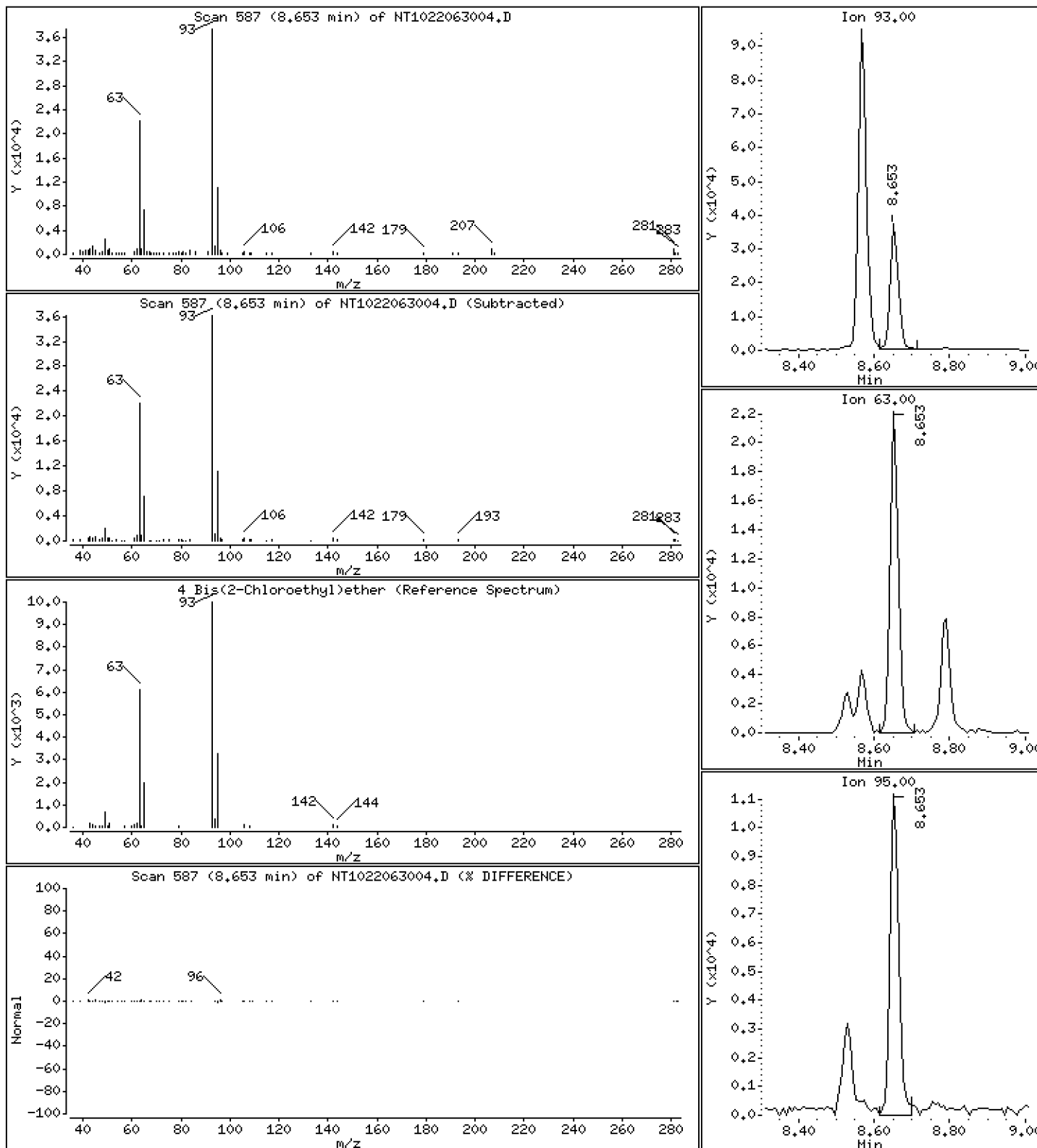
Operator: VTS

Column phase: ZB-5msi

Column diameter: 0,25

4 Bis(2-Chloroethyl)ether

Concentration: 0,4812 ug/mL



Date : 30-JUN-2022 15:27

Client ID:

Instrument: nt10.i

Sample Info: SKG0010-LCV1

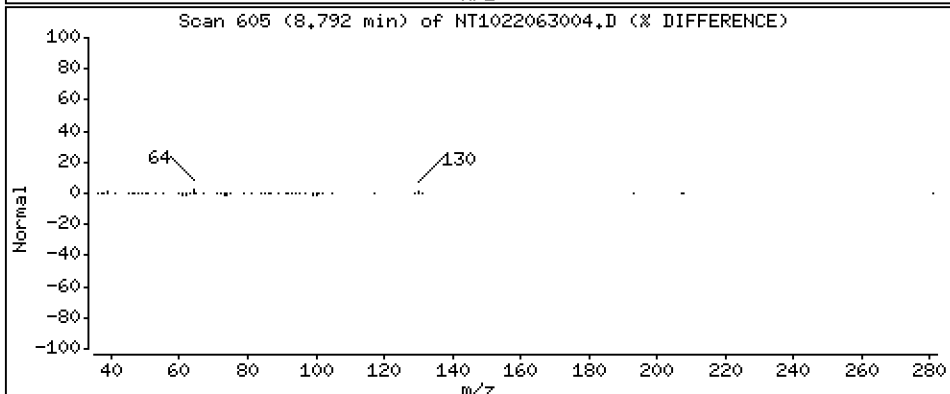
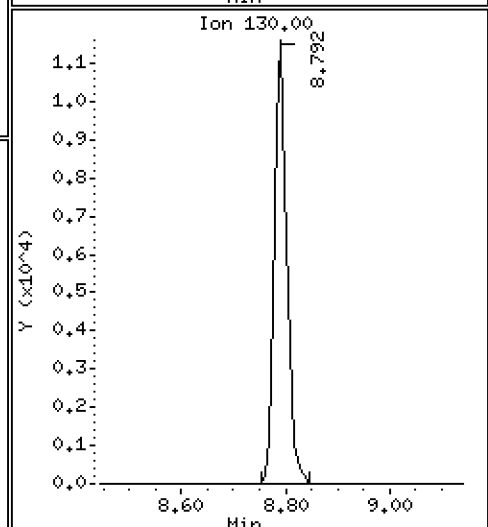
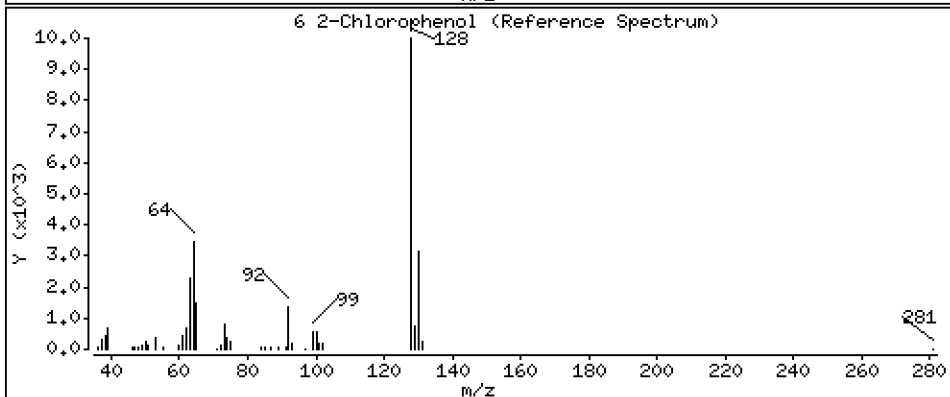
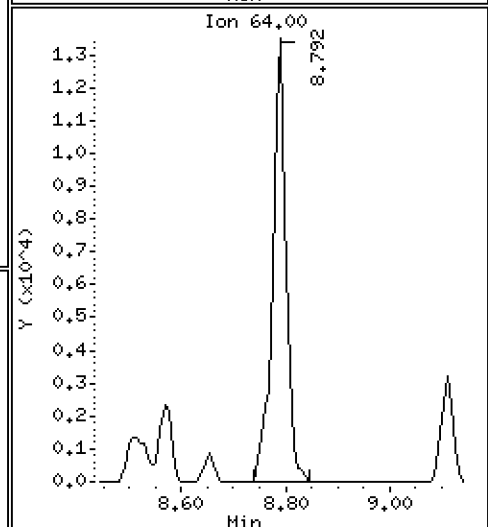
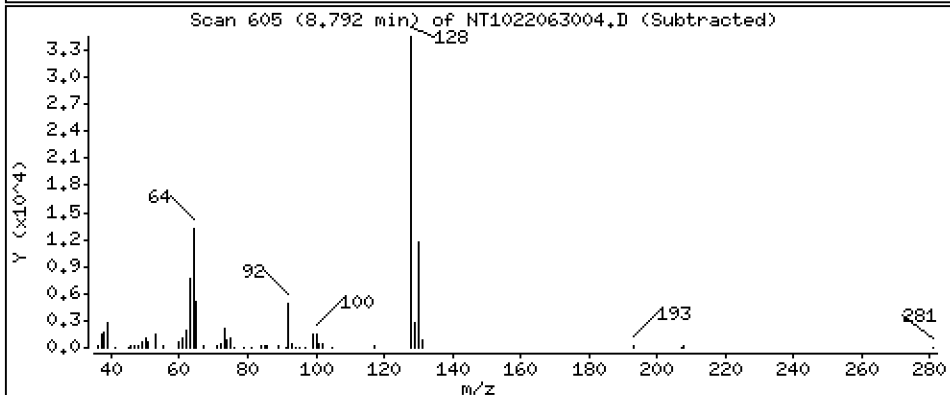
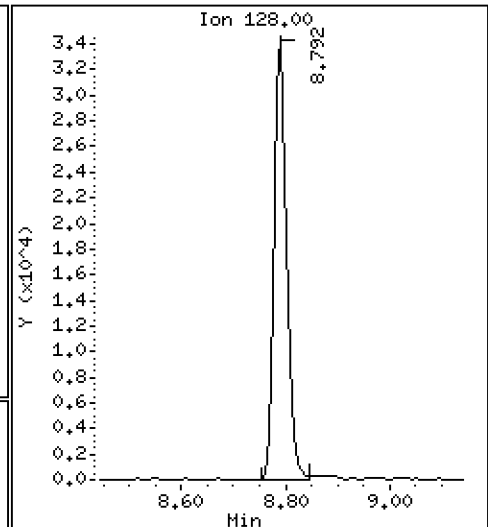
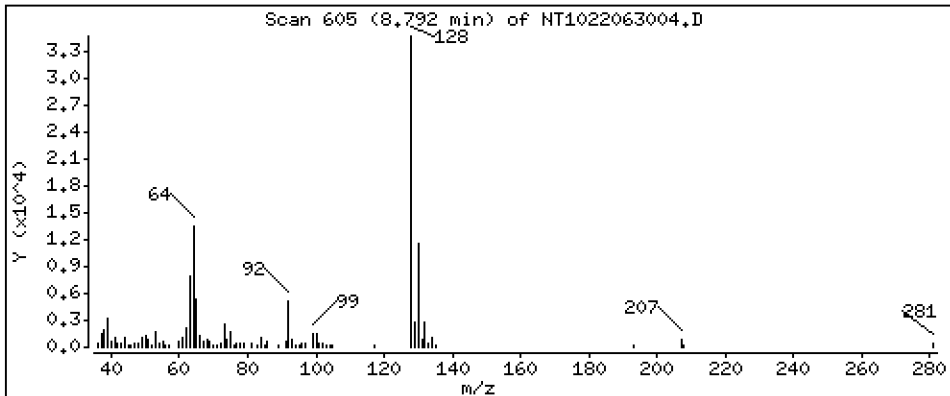
Operator: VTS

Column phase: ZB-5msi

Column diameter: 0.25

6 2-Chlorophenol

Concentration: 0.4519 ug/mL



Date : 30-JUN-2022 15:27

Client ID:

Instrument: nt10.i

Sample Info: SKG0010-LCV1

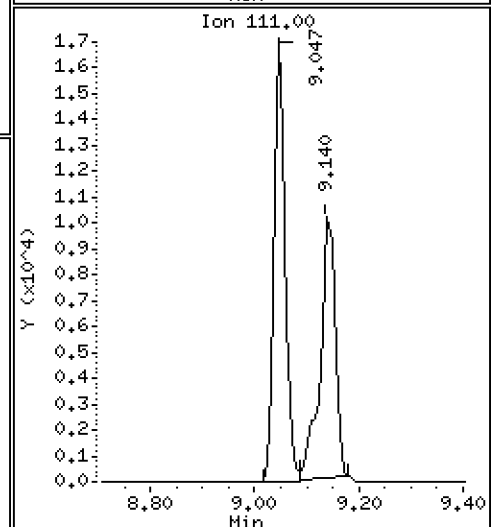
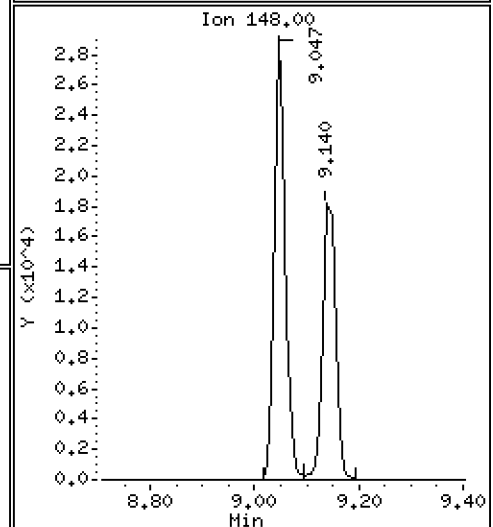
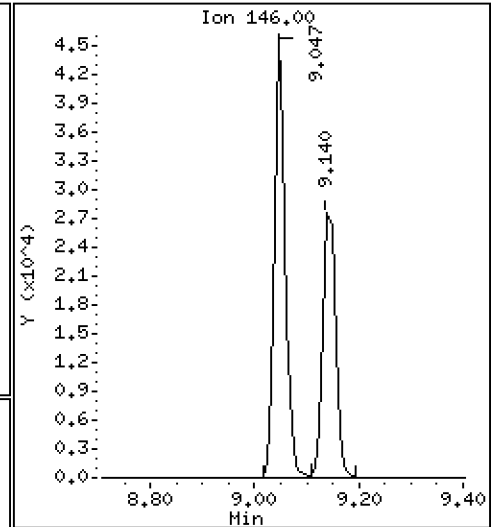
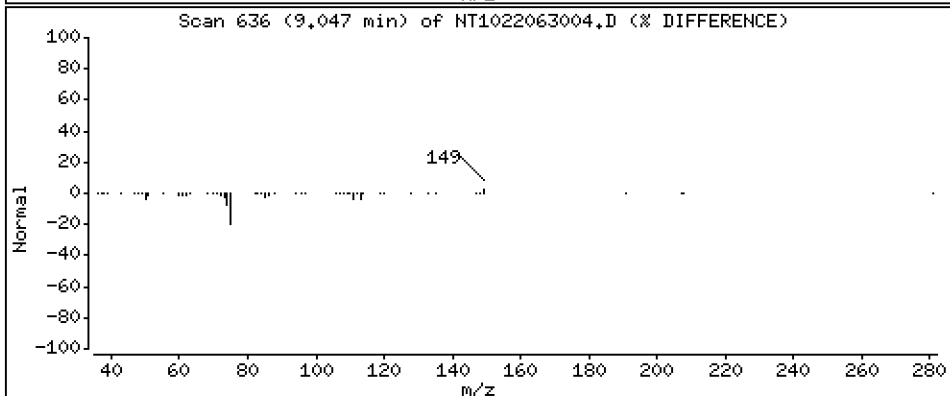
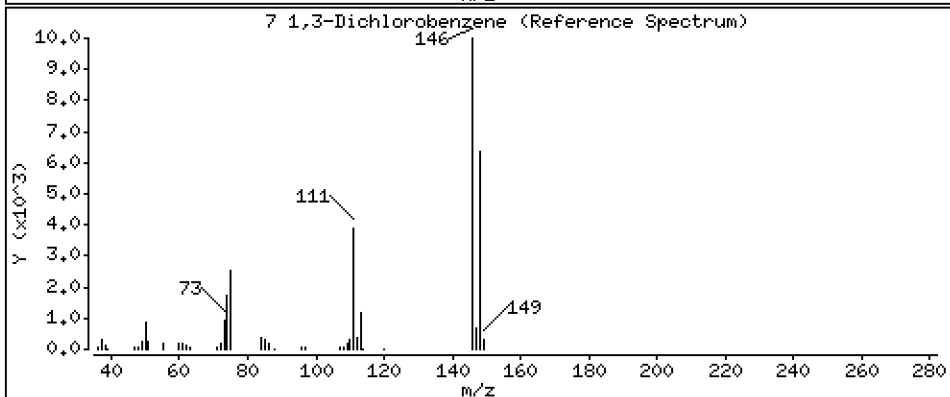
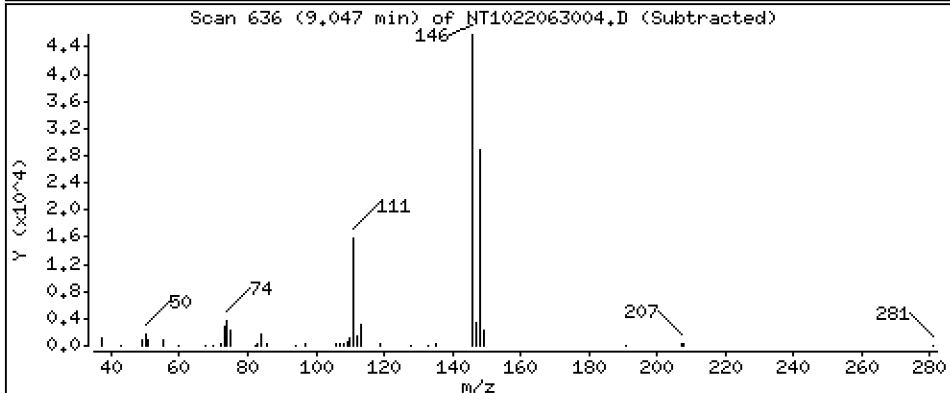
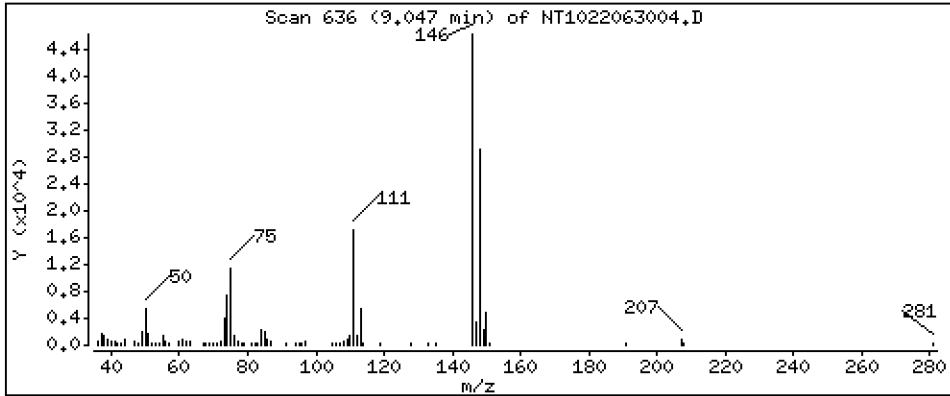
Operator: VTS

Column phase: ZB-5msi

Column diameter: 0,25

7 1,3-Dichlorobenzene

Concentration: 0,4942 ug/mL



Date : 30-JUN-2022 15:27

Client ID:

Instrument: nt10.i

Sample Info: SKG0010-LCV1

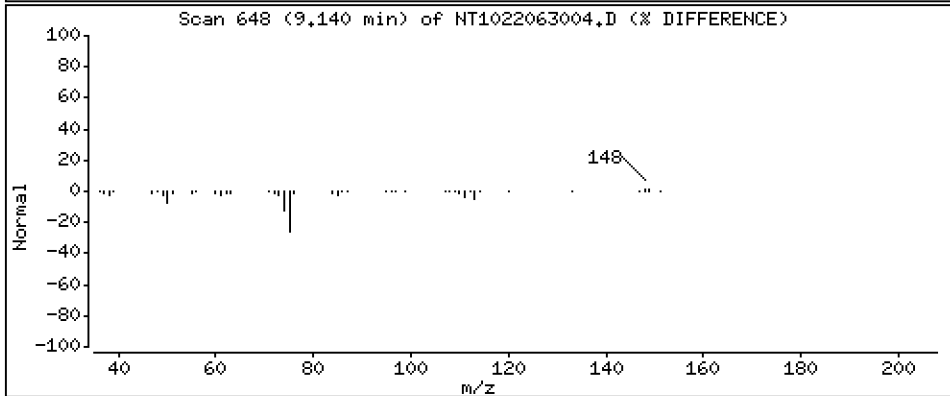
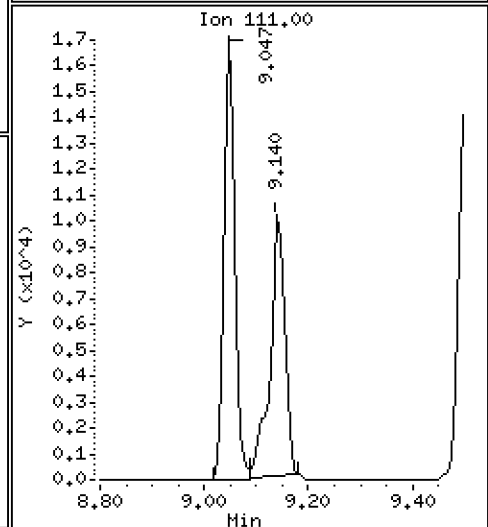
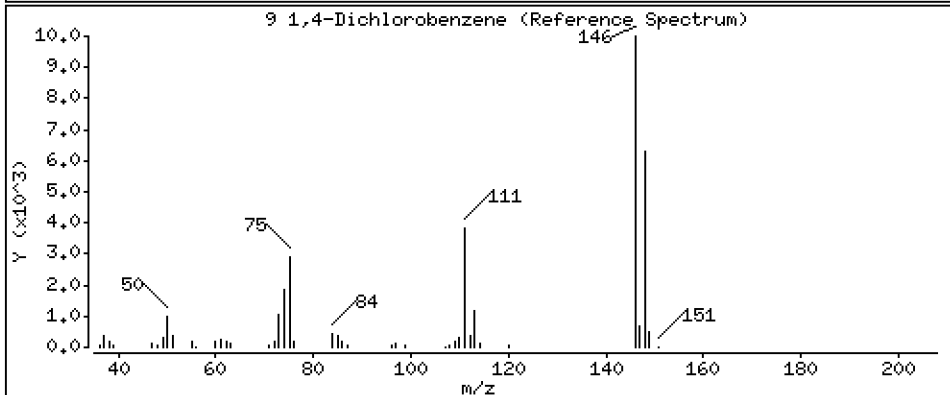
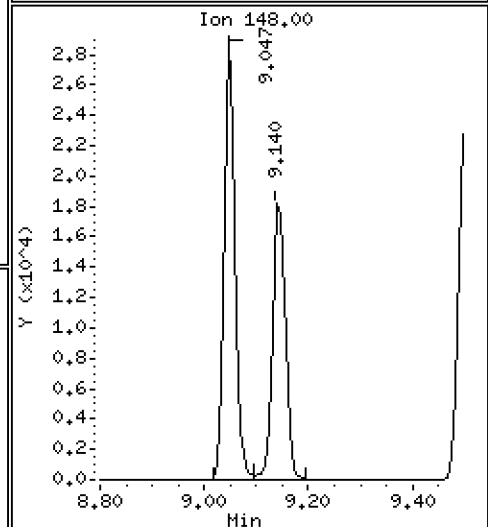
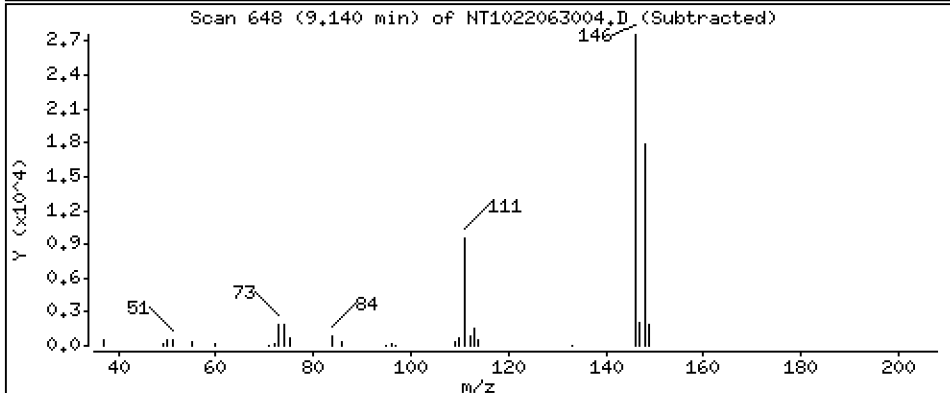
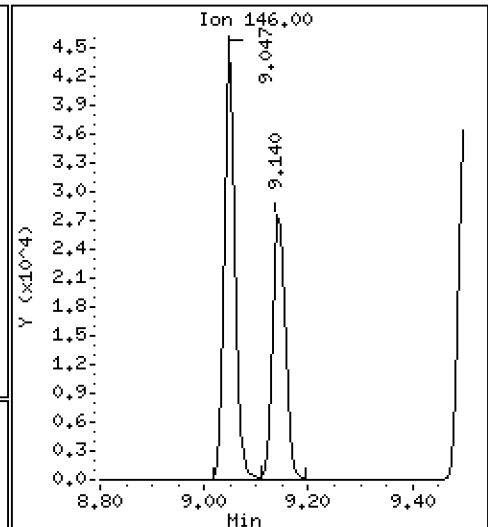
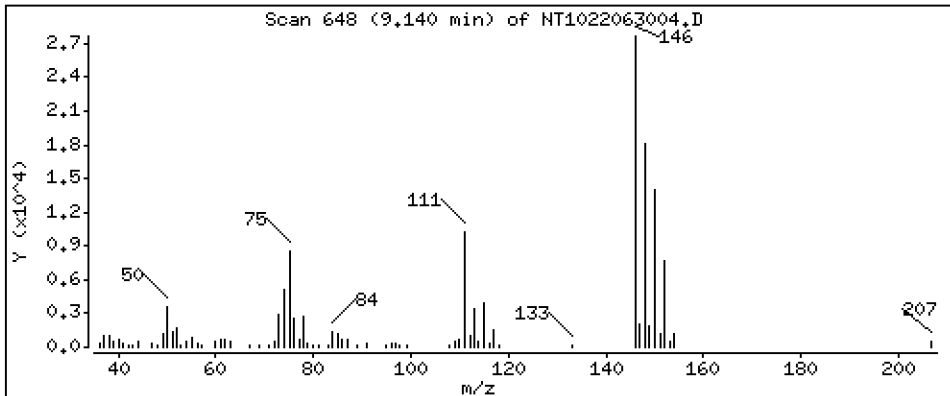
Operator: VTS

Column phase: ZB-5msi

Column diameter: 0.25

9 1,4-Dichlorobenzene

Concentration: 0.4209 ug/mL



Date : 30-JUN-2022 15:27

Client ID:

Instrument: nt10.i

Sample Info: SKG0010-LCV1

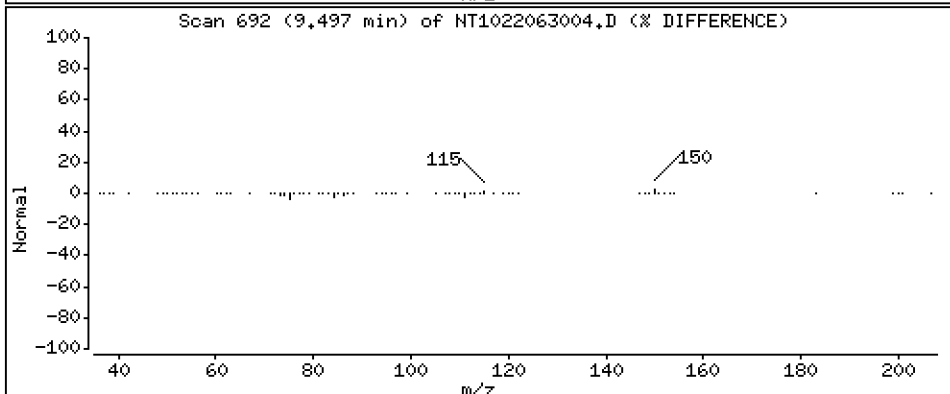
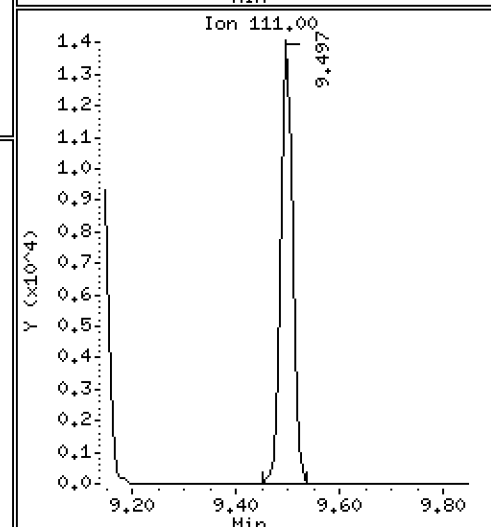
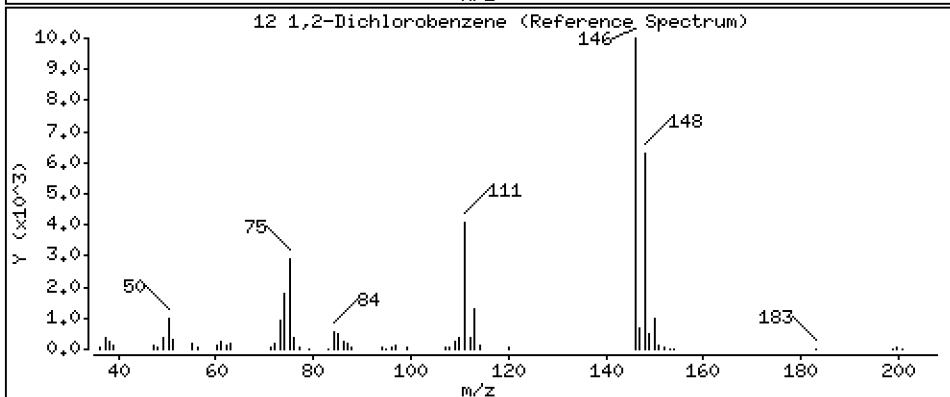
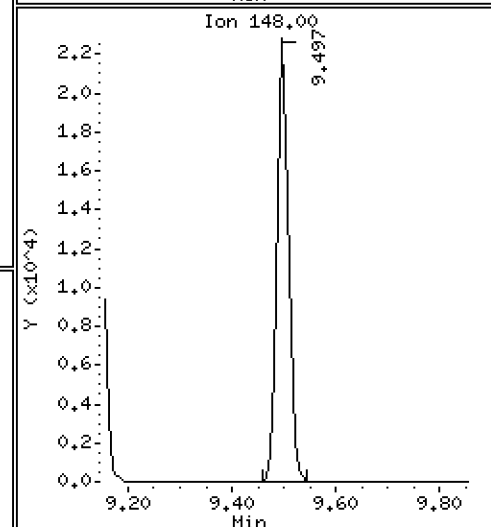
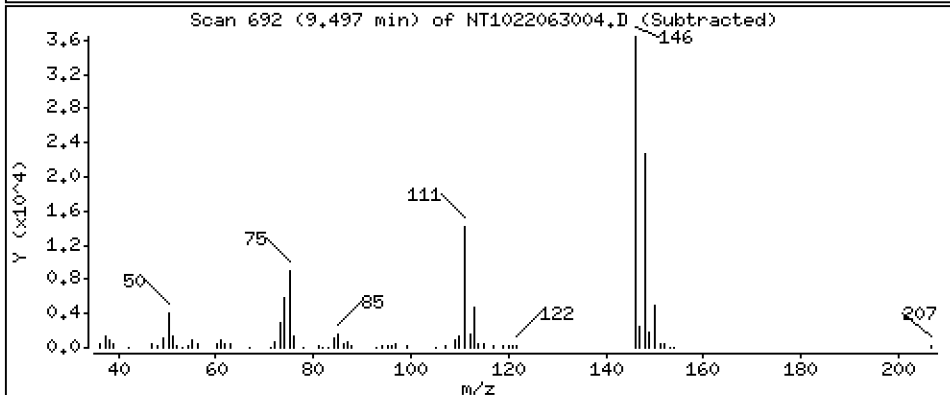
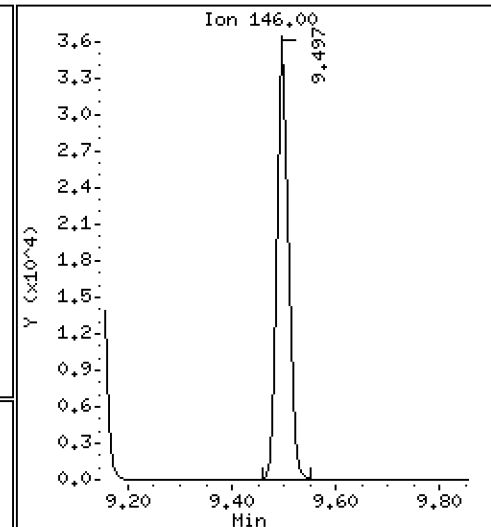
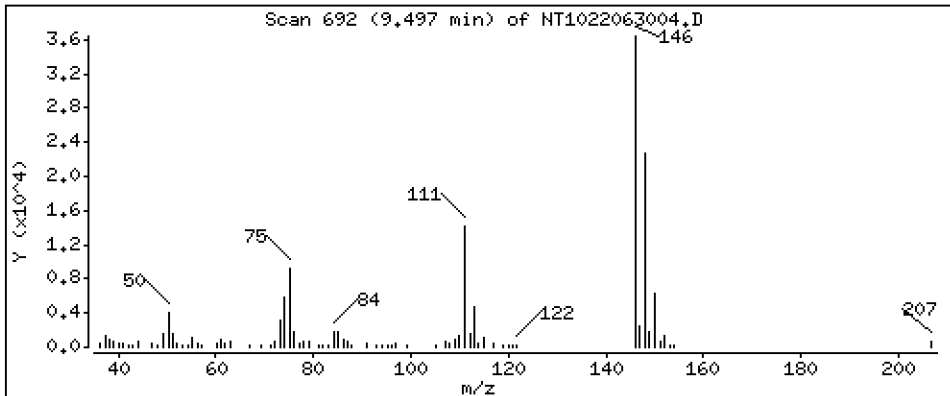
Operator: VTS

Column phase: ZB-5msi

Column diameter: 0,25

12 1,2-Dichlorobenzene

Concentration: 0,4725 ug/mL



Date : 30-JUN-2022 15:27

Client ID:

Instrument: nt10.i

Sample Info: SKG0010-LCV1

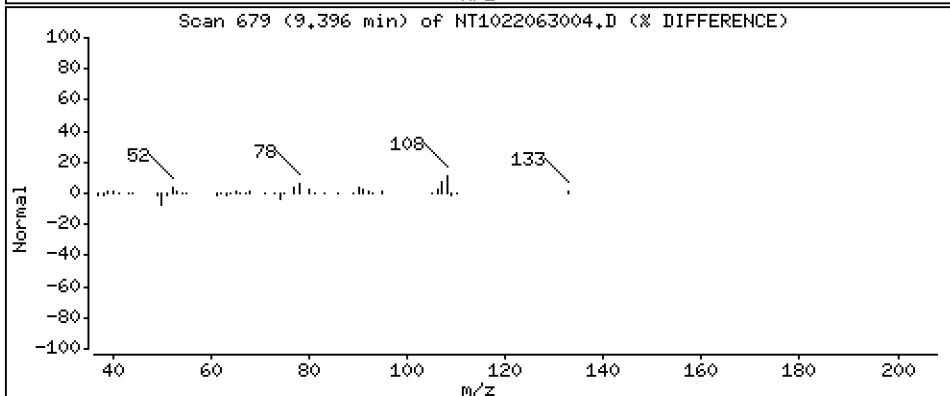
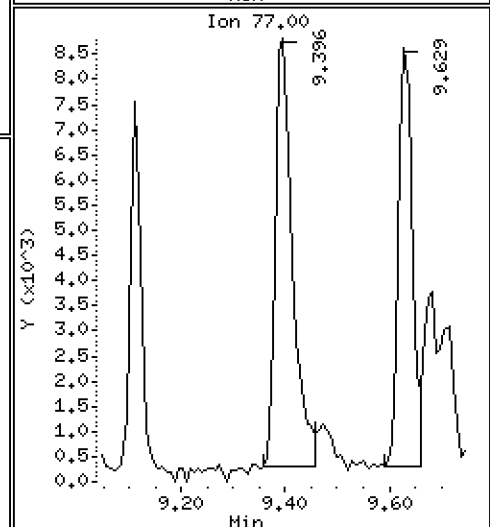
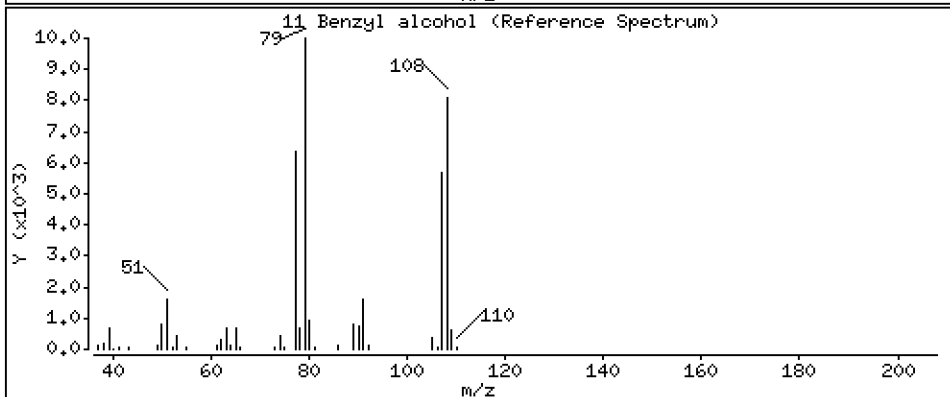
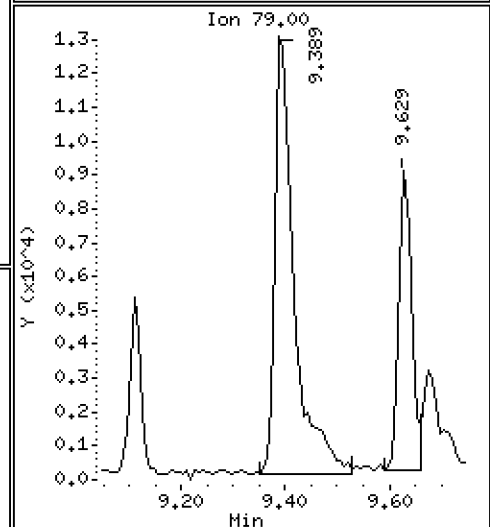
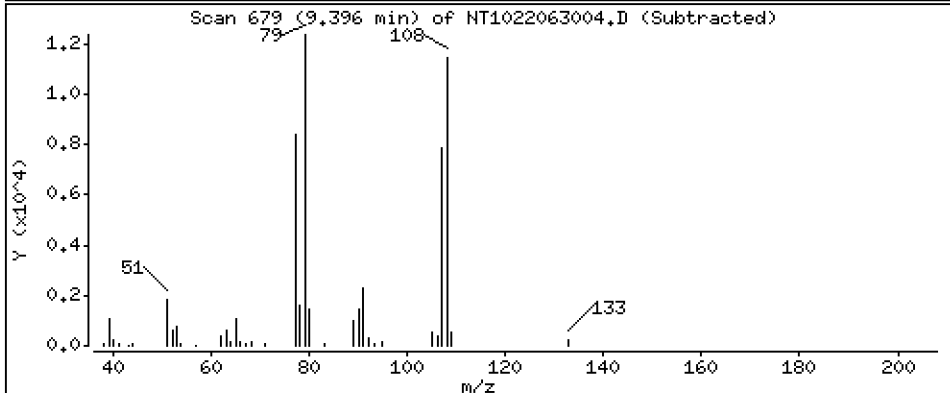
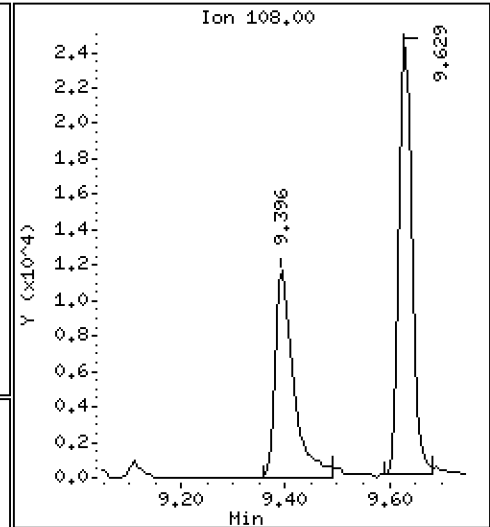
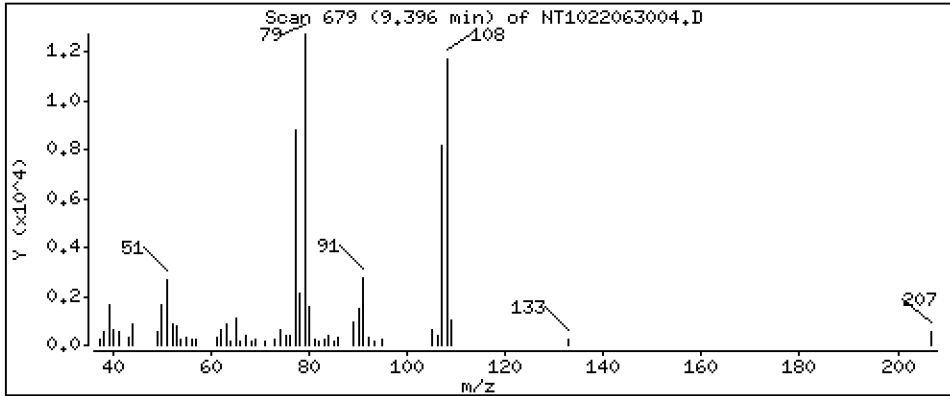
Operator: VTS

Column phase: ZB-5msi

Column diameter: 0.25

11 Benzyl alcohol

Concentration: 0.4502 ug/mL



Date : 30-JUN-2022 15:27

Client ID:

Instrument: nt10.i

Sample Info: SKG0010-LCV1

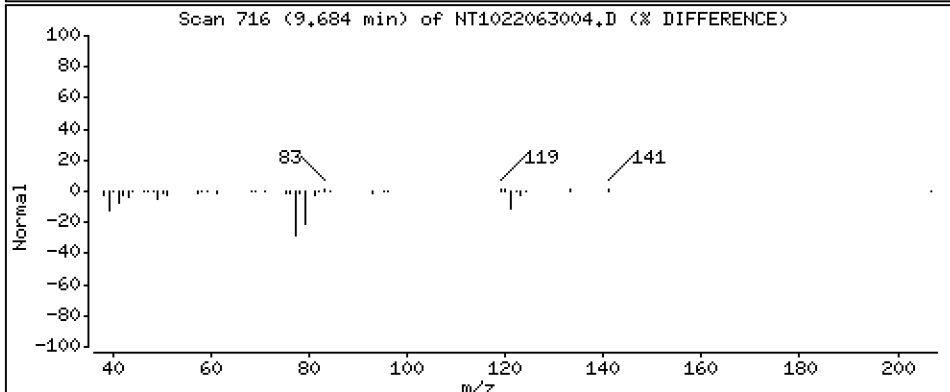
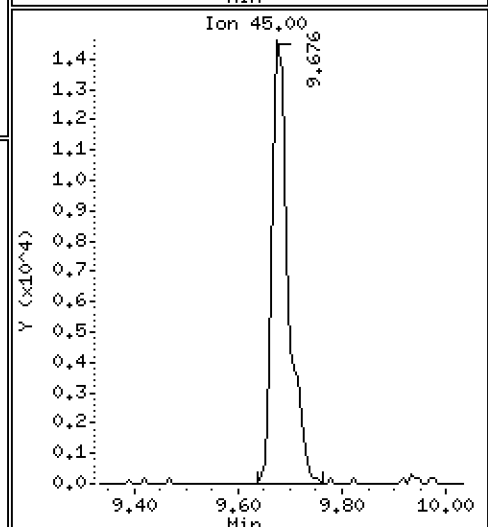
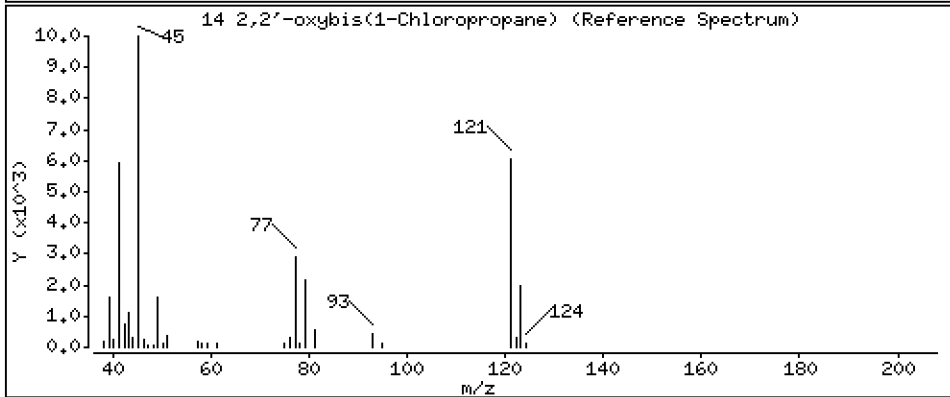
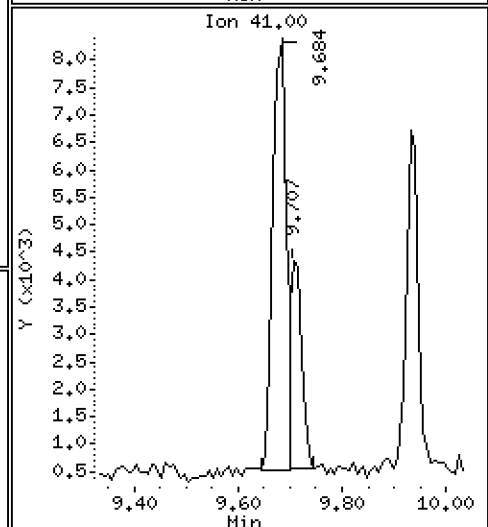
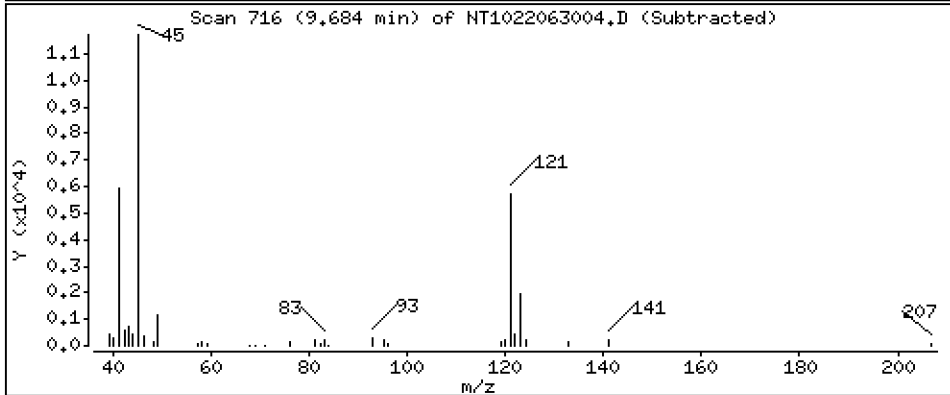
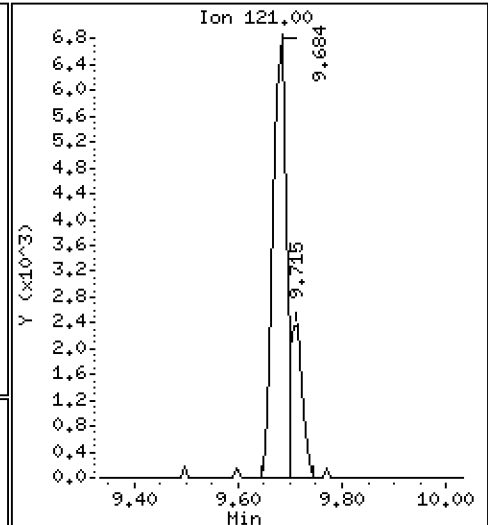
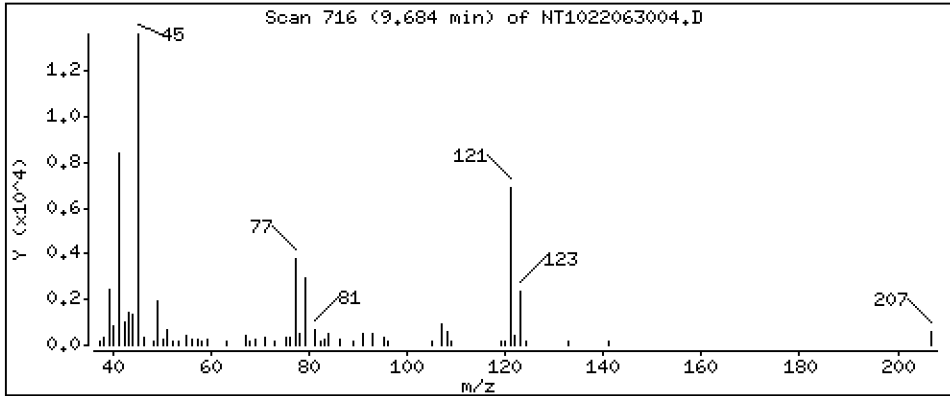
Operator: VTS

Column phase: ZB-5msi

Column diameter: 0.25

14 2,2'-oxybis(1-Chloropropane)

Concentration: 0.4384 ug/mL



Date : 30-JUN-2022 15:27

Client ID:

Instrument: nt10.i

Sample Info: SKG0010-LCV1

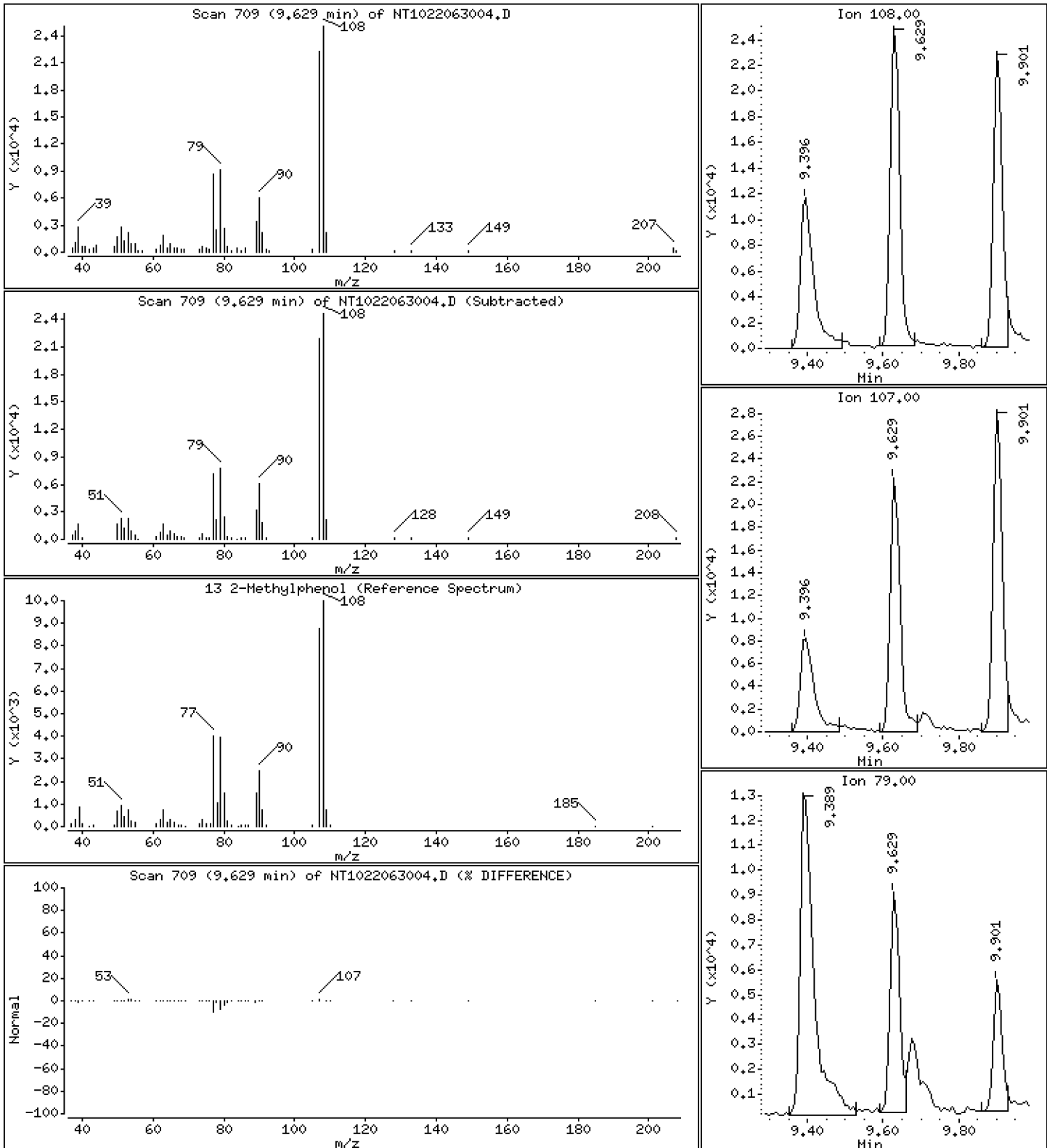
Operator: VTS

Column phase: ZB-5msi

Column diameter: 0.25

13 2-Methylphenol

Concentration: 0.4221 ug/mL



Date : 30-JUN-2022 15:27

Client ID:

Instrument: nt10.i

Sample Info: SKG0010-LCV1

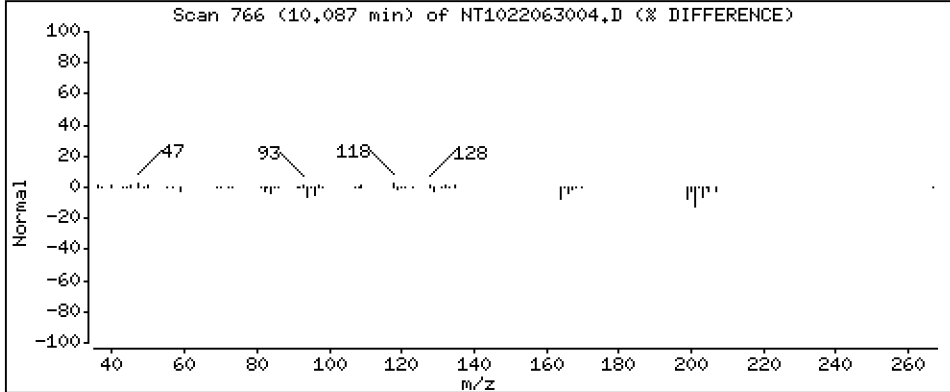
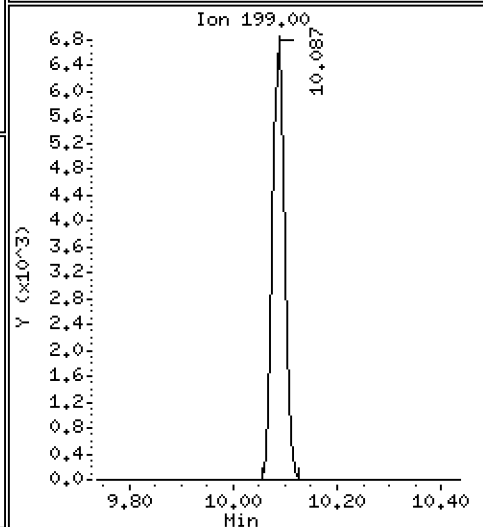
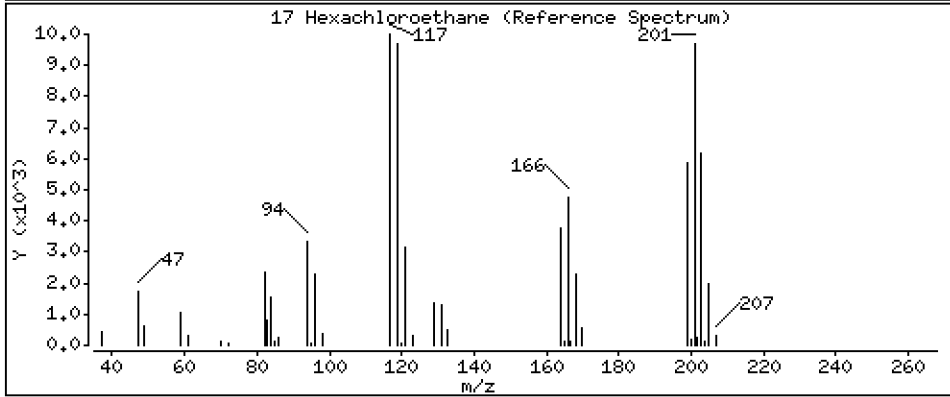
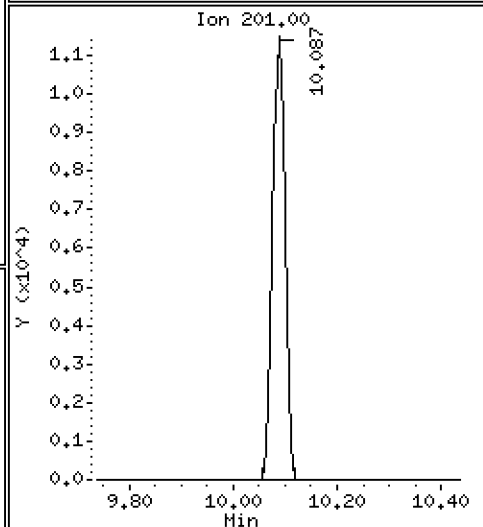
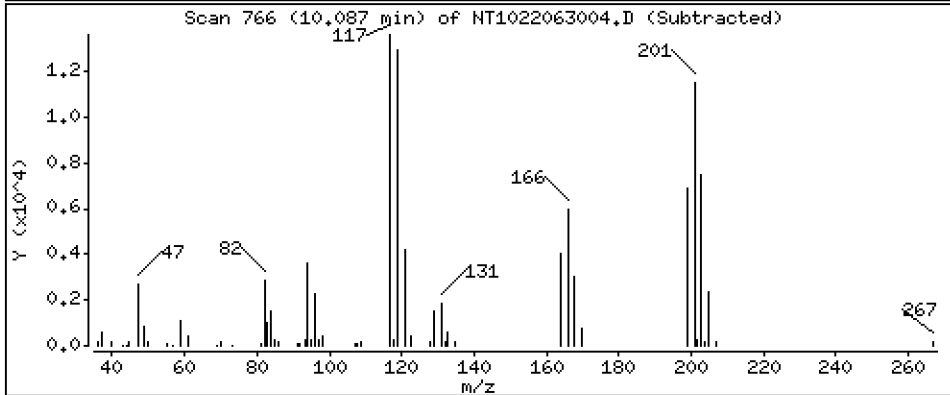
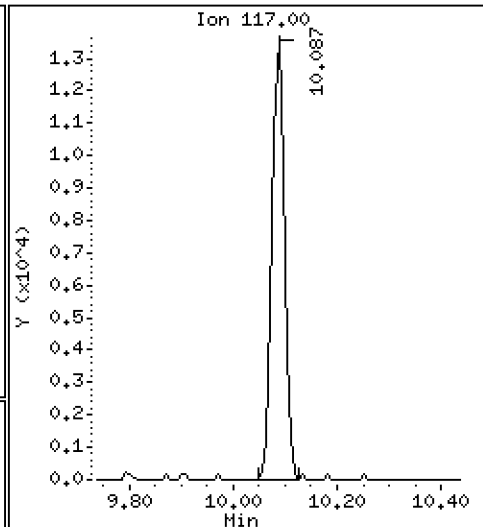
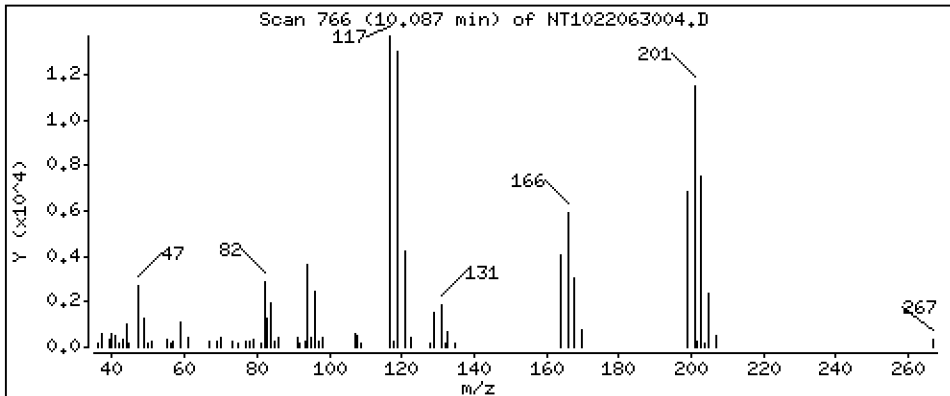
Operator: VTS

Column phase: ZB-5msi

Column diameter: 0,25

17 Hexachloroethane

Concentration: 0,4501 ug/mL



Date : 30-JUN-2022 15:27

Client ID:

Instrument: nt10.i

Sample Info: SKG0010-LCV1

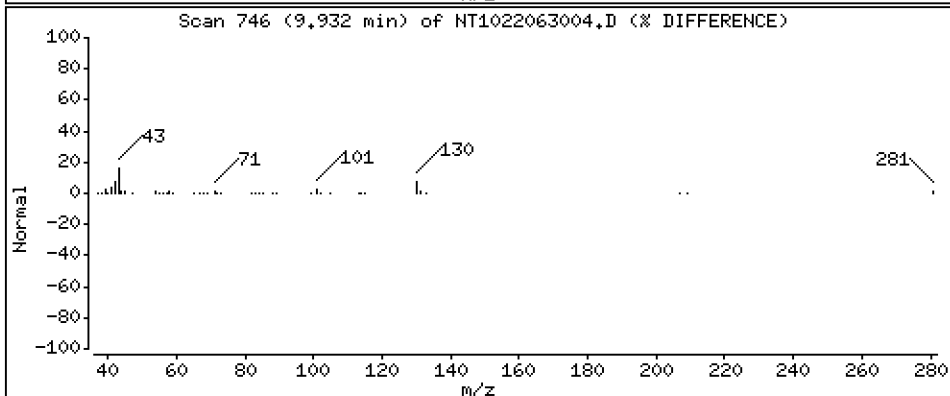
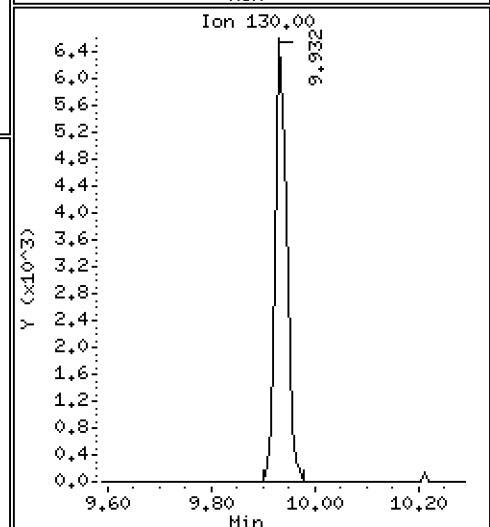
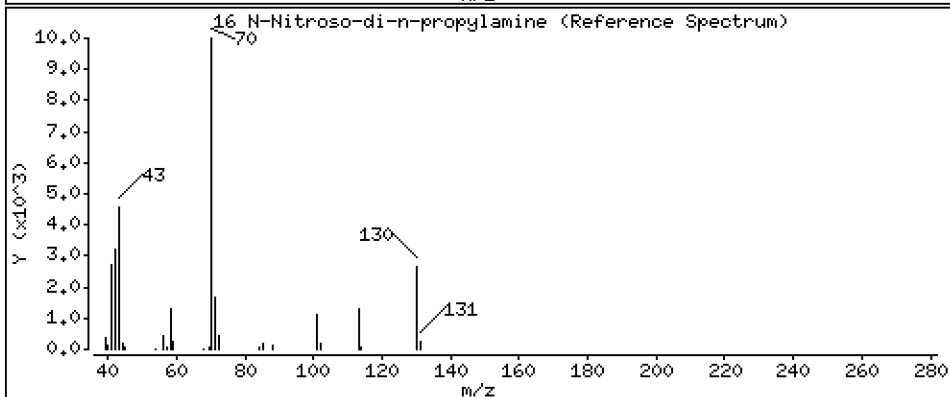
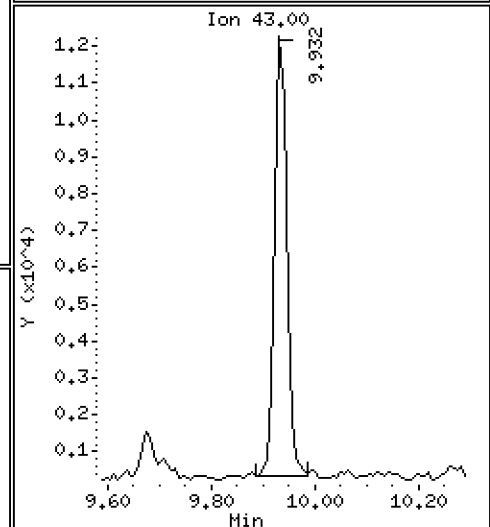
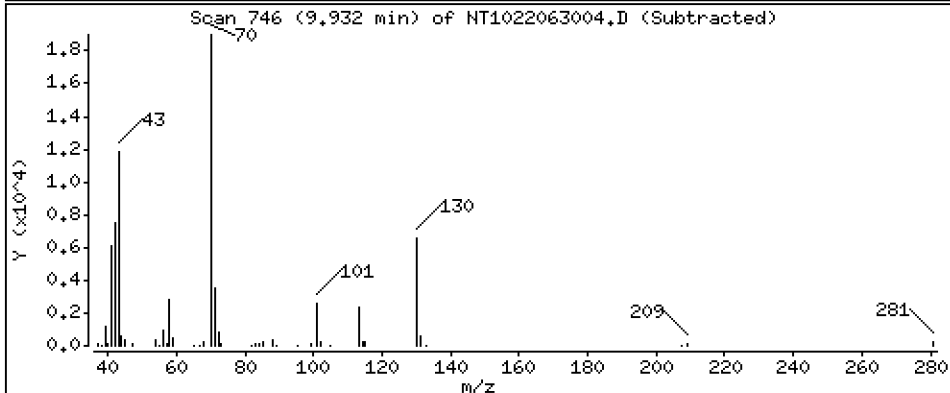
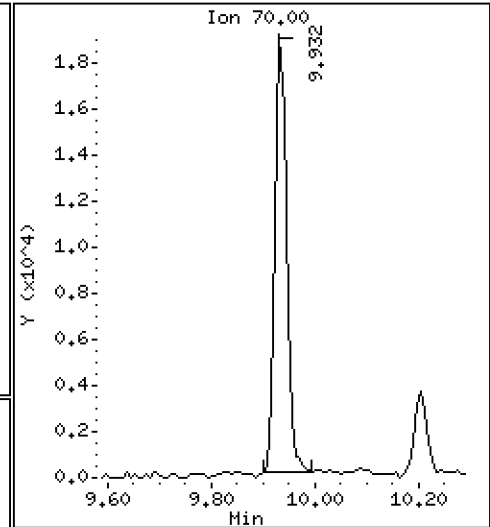
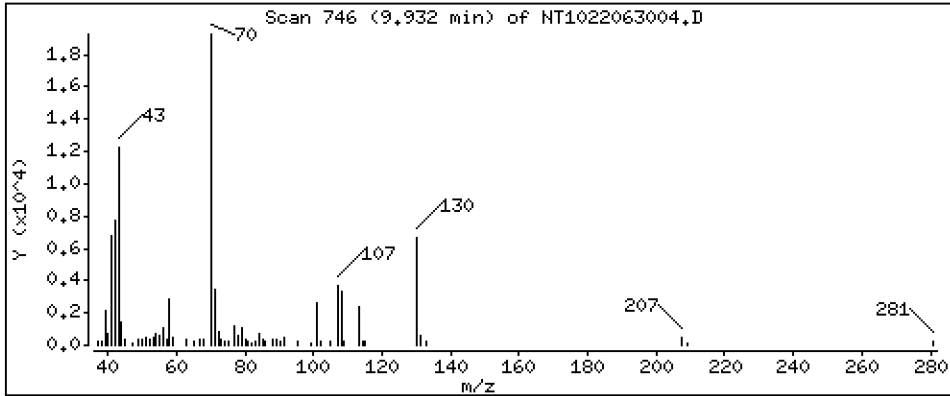
Operator: VTS

Column phase: ZB-5msi

Column diameter: 0,25

16 N-Nitroso-di-n-propylamine

Concentration: 0,4130 ug/mL



Date : 30-JUN-2022 15:27

Client ID:

Instrument: nt10.i

Sample Info: SKG0010-LCV1

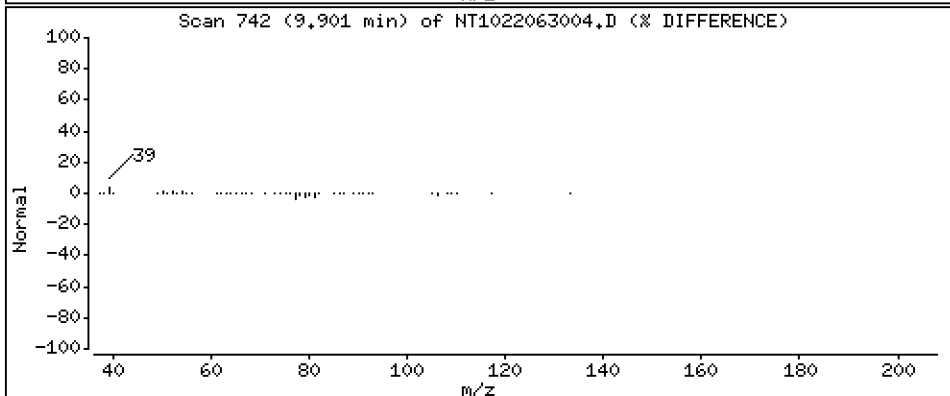
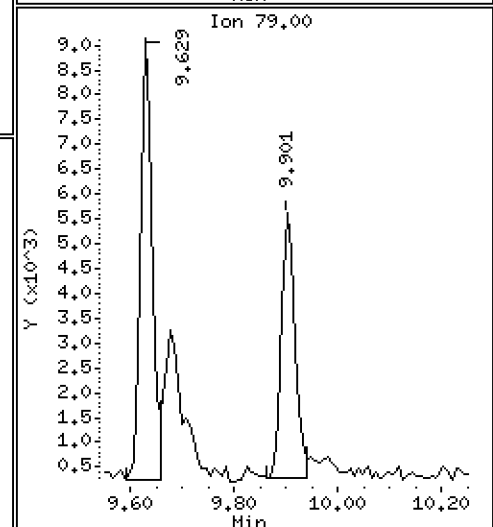
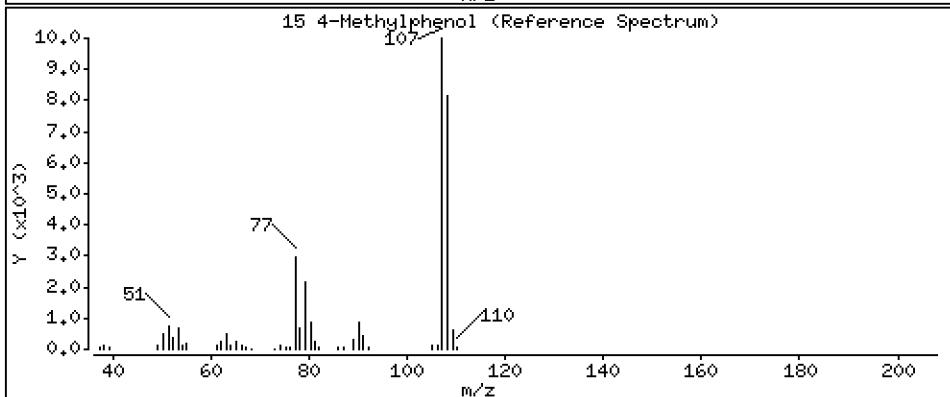
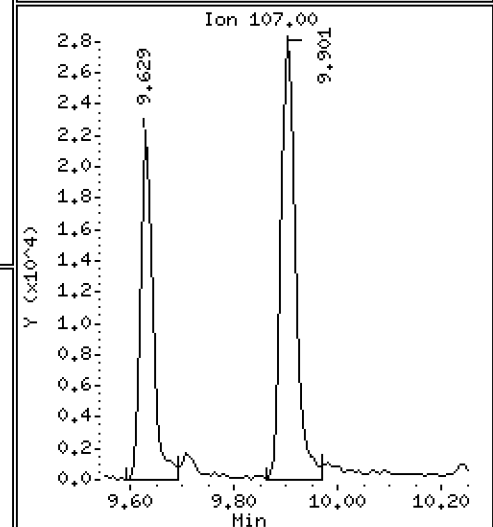
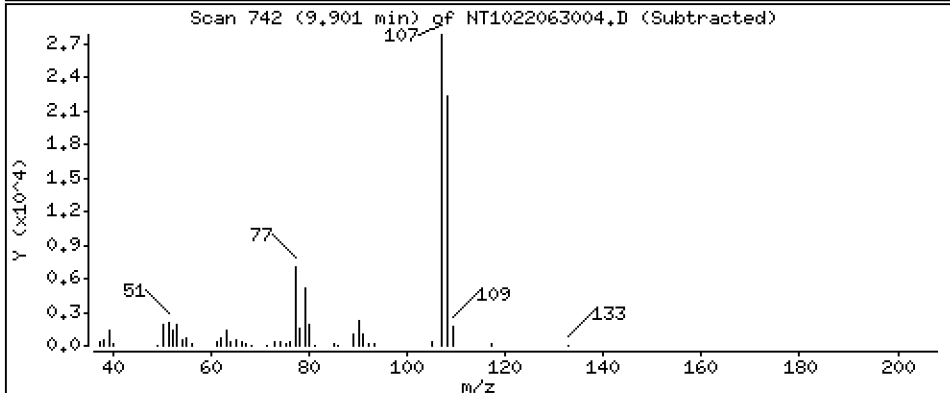
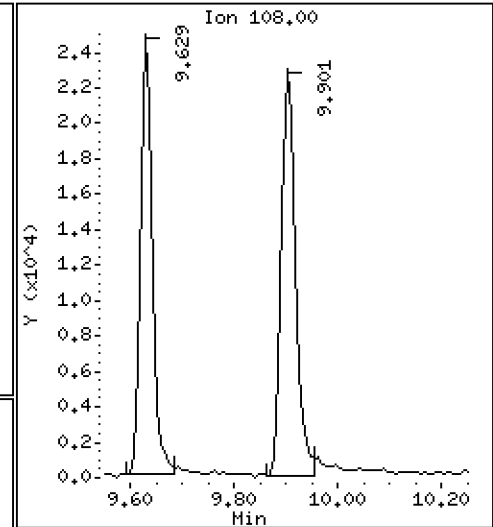
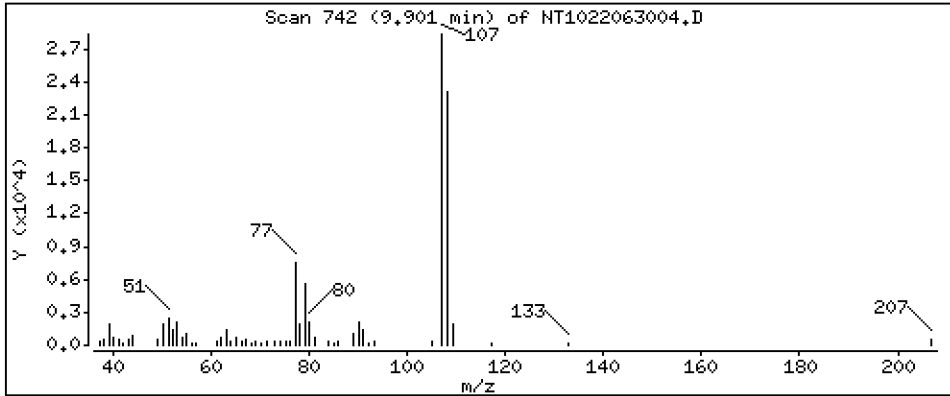
Operator: VTS

Column phase: ZB-5msi

Column diameter: 0,25

15 4-Methylphenol

Concentration: 0,4040 ug/mL



Date : 30-JUN-2022 15:27

Client ID:

Instrument: nt10.i

Sample Info: SKG0010-LCV1

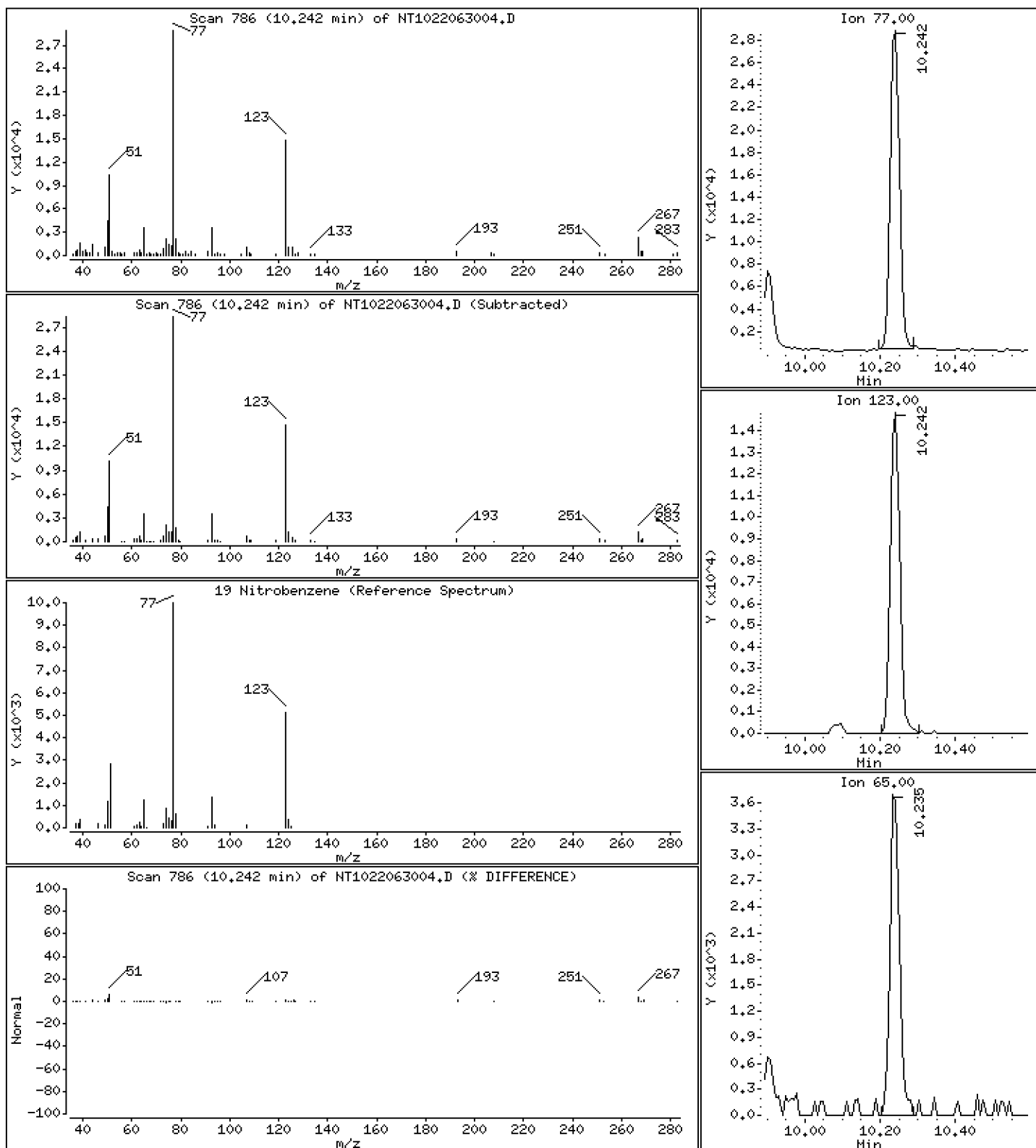
Operator: VTS

Column phase: ZB-5msi

Column diameter: 0,25

19 Nitrobenzene

Concentration: 0,4098 ug/mL



Date : 30-JUN-2022 15:27

Client ID:

Instrument: nt10.i

Sample Info: SKG0010-LCV1

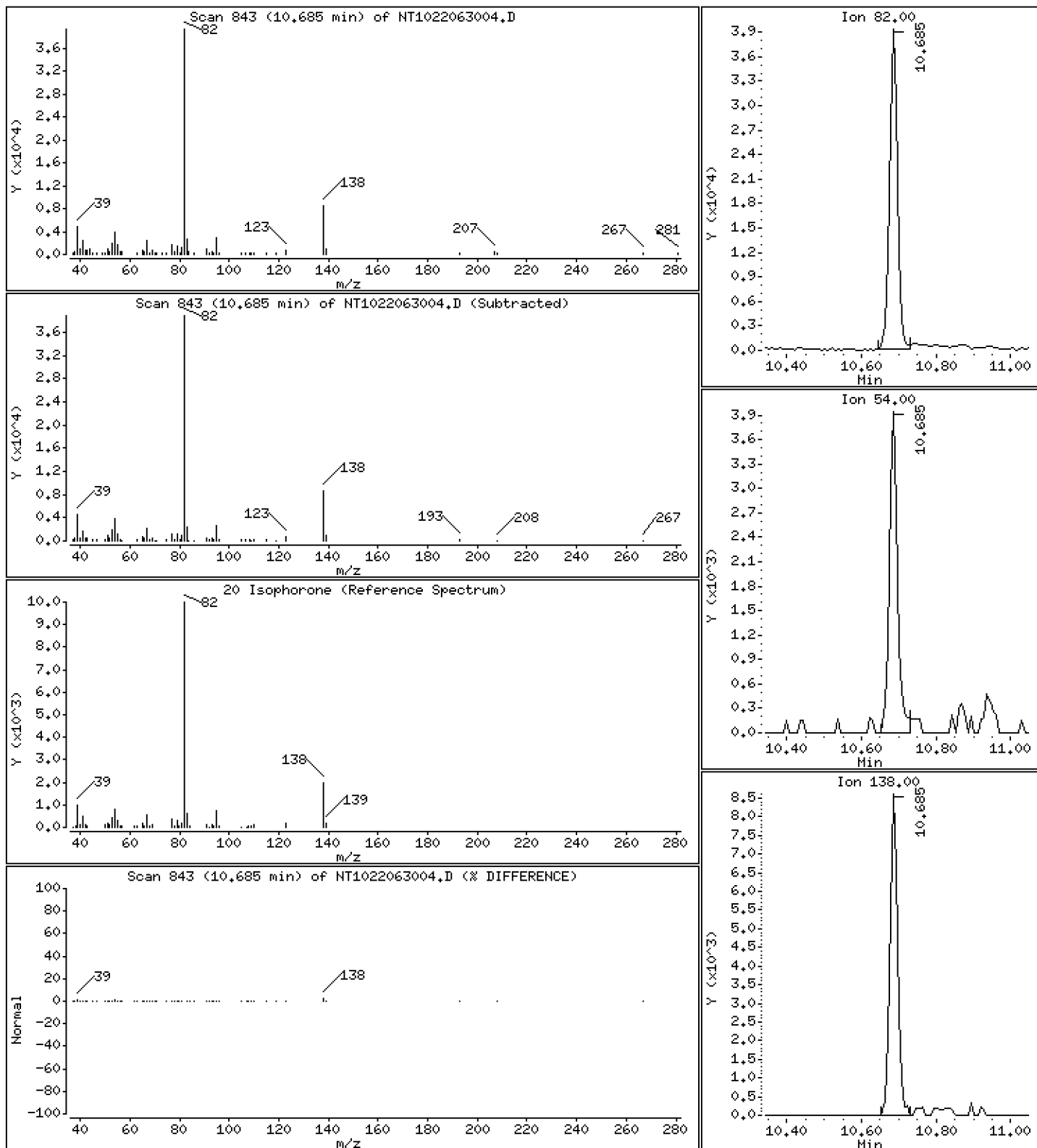
Operator: VTS

Column phase: ZB-5msi

Column diameter: 0,25

20 Isophorone

Concentration: 0,3606 ug/mL



Date : 30-JUN-2022 15:27

Client ID:

Instrument: nt10.i

Sample Info: SKG0010-LCV1

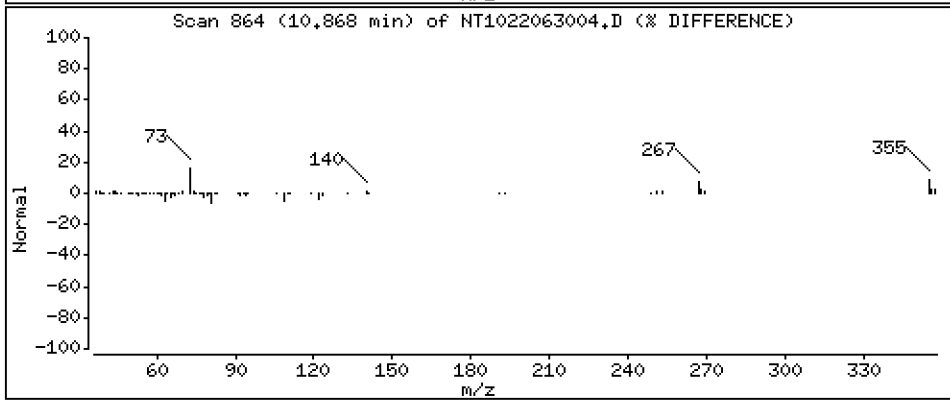
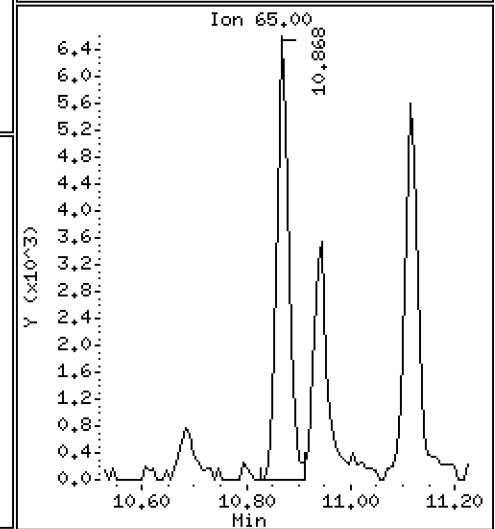
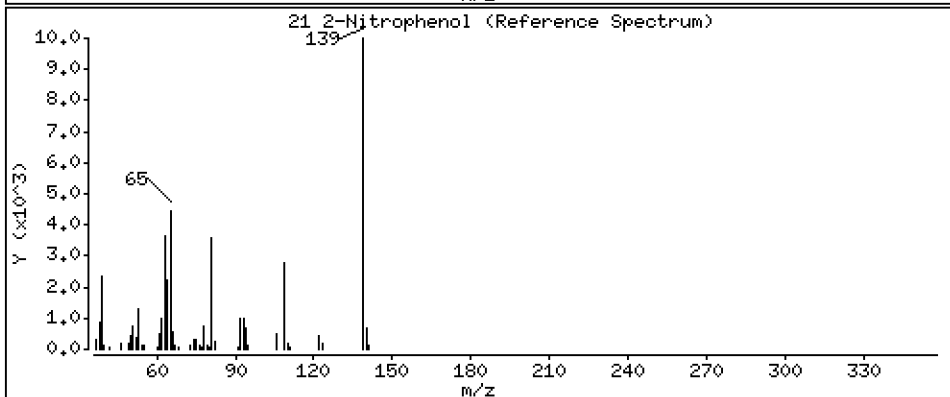
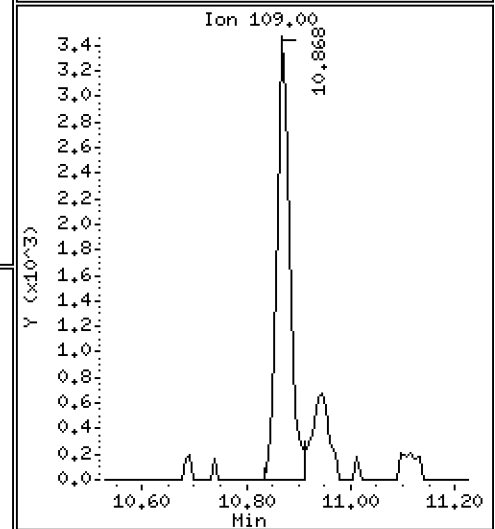
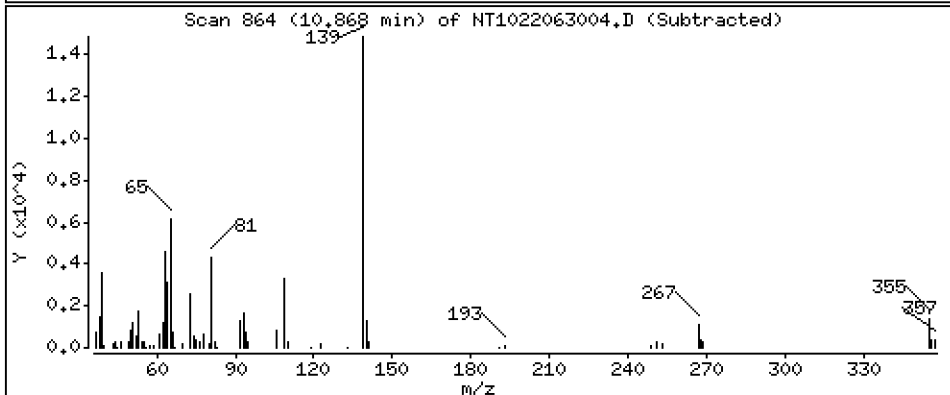
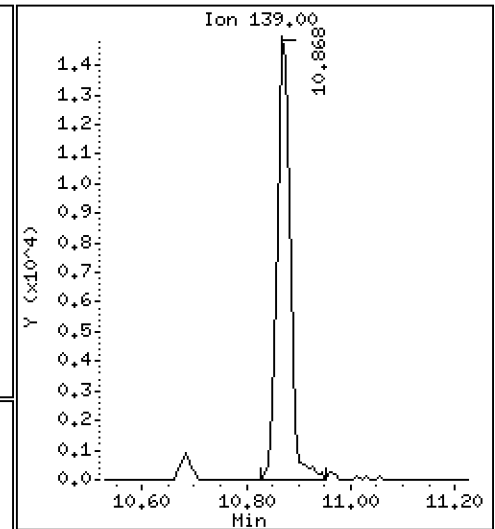
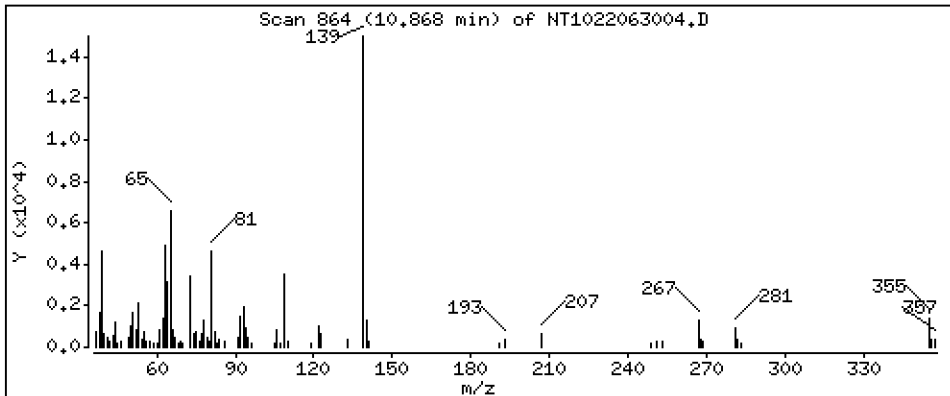
Operator: VTS

Column phase: ZB-5msi

Column diameter: 0,25

21 2-Nitrophenol

Concentration: 0,3661 ug/mL



Date : 30-JUN-2022 15:27

Client ID:

Instrument: nt10.i

Sample Info: SKG0010-LCV1

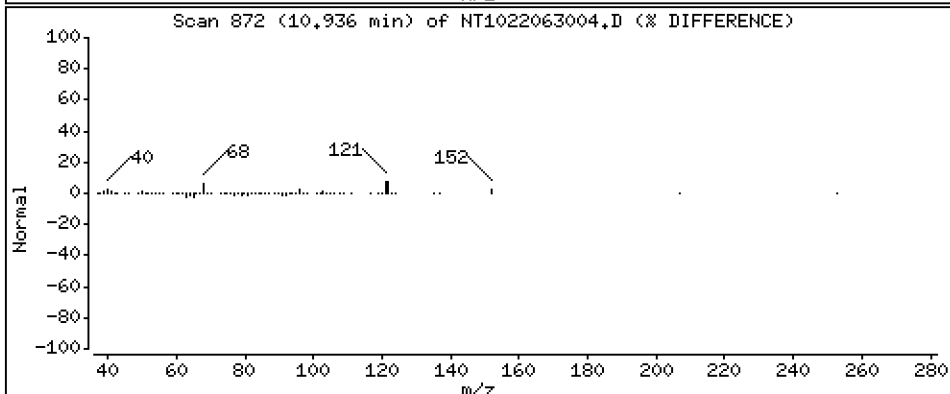
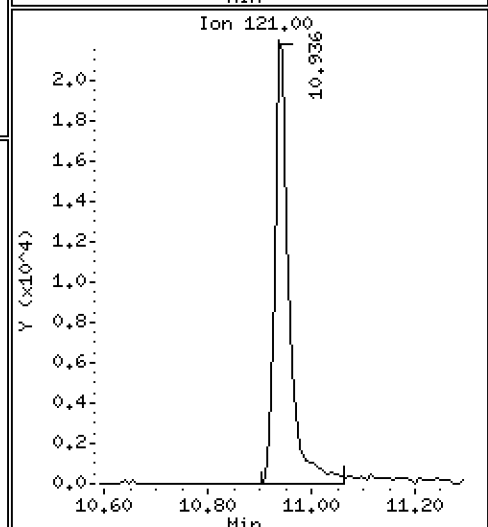
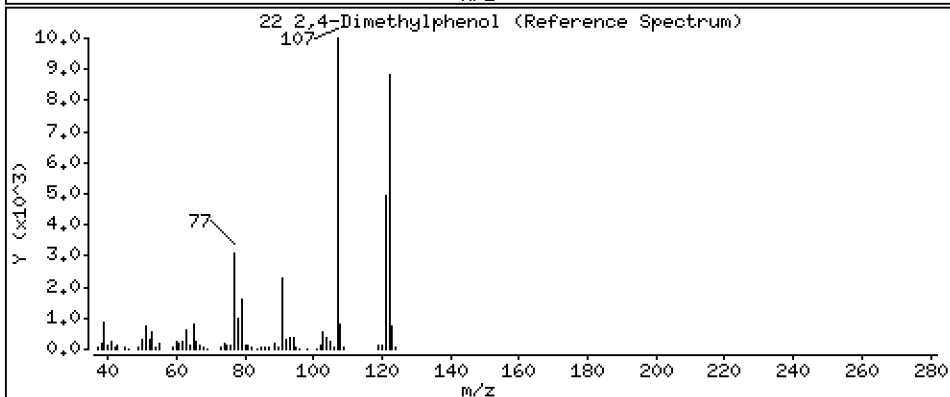
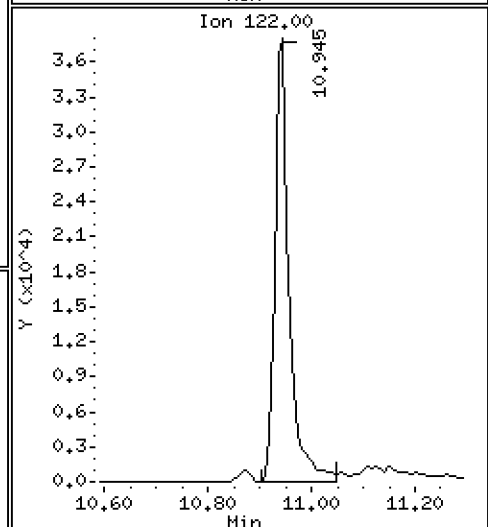
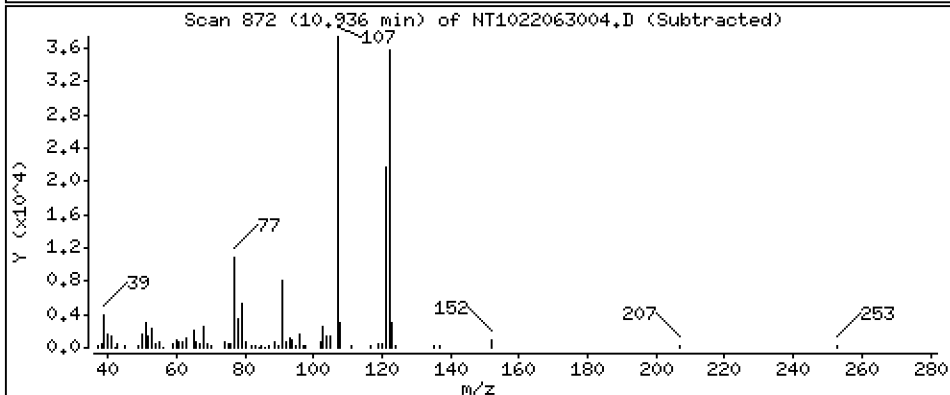
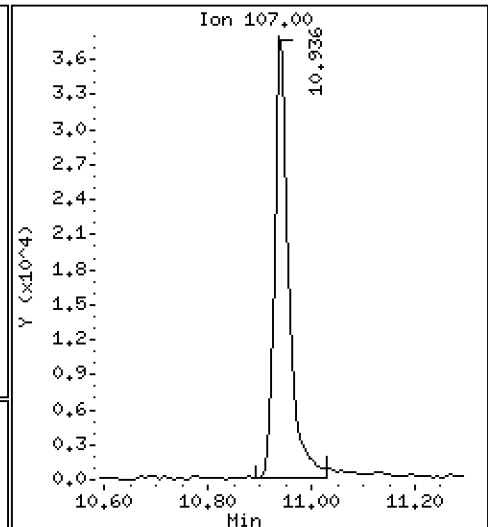
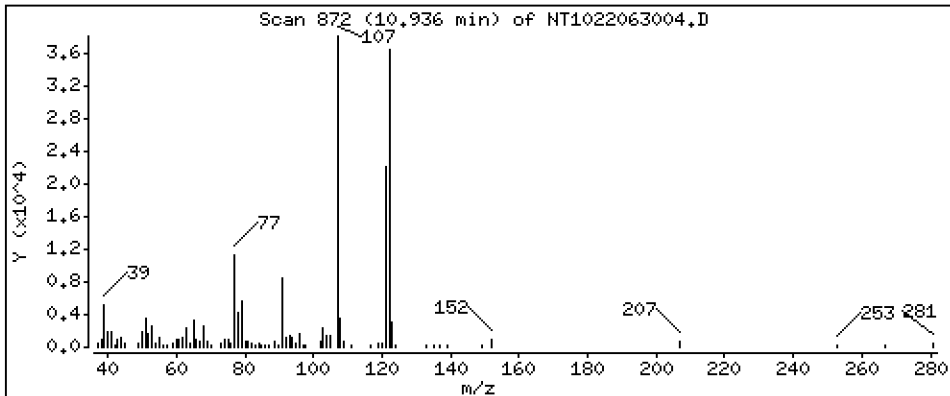
Operator: VTS

Column phase: ZB-5msi

Column diameter: 0,25

22 2,4-Dimethylphenol

Concentration: 0,8520 ug/mL



Date : 30-JUN-2022 15:27

Client ID:

Instrument: nt10.i

Sample Info: SKG0010-LCV1

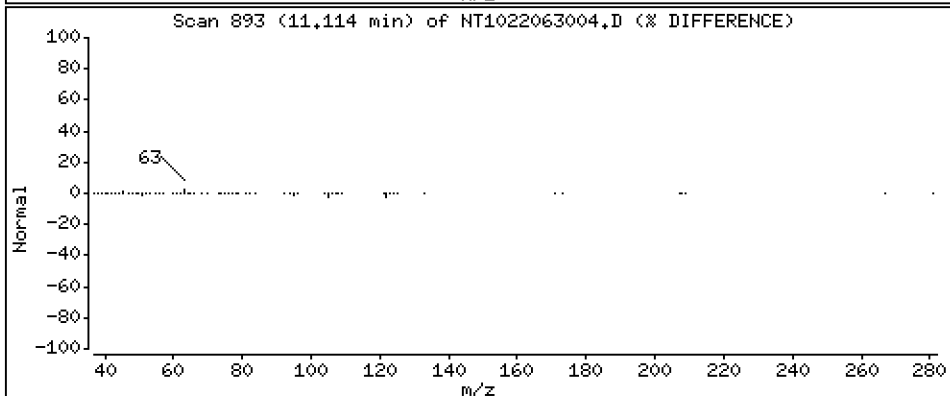
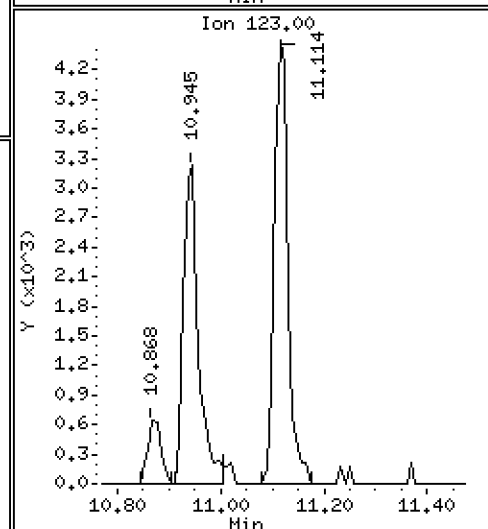
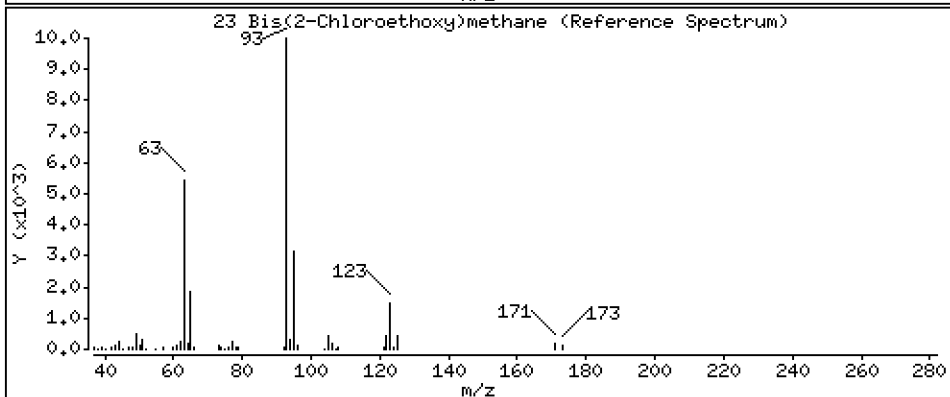
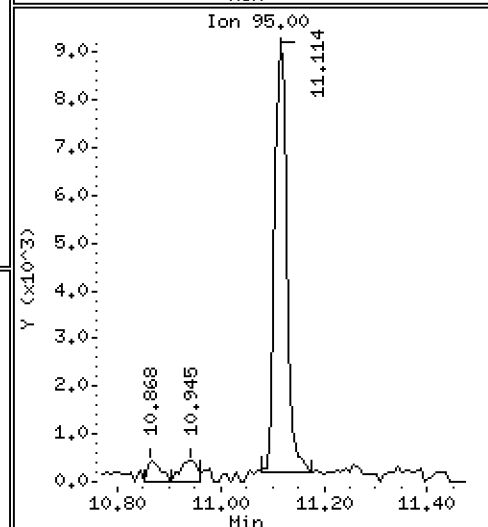
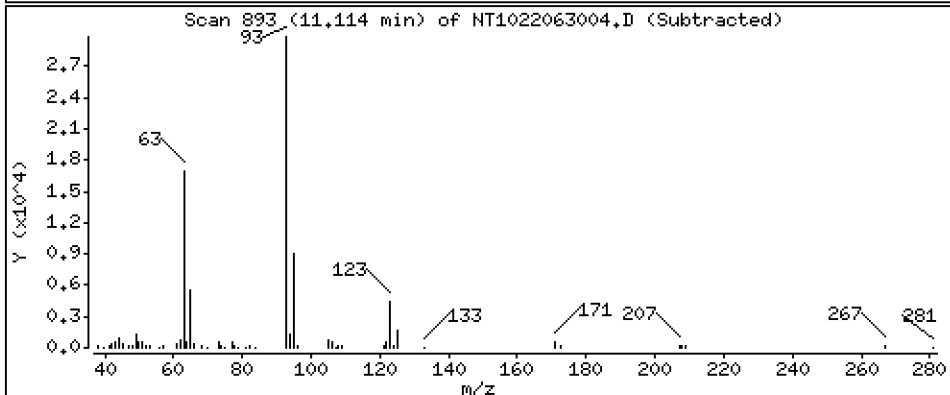
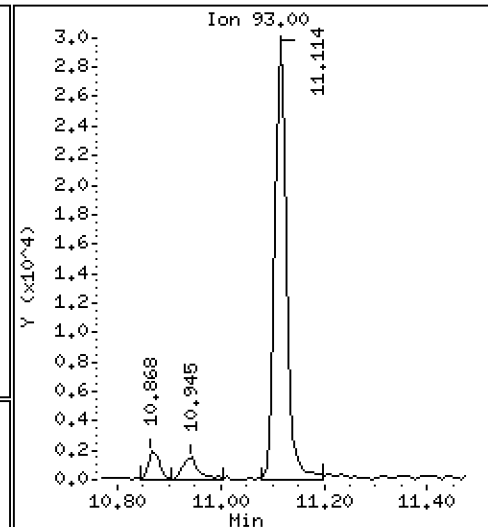
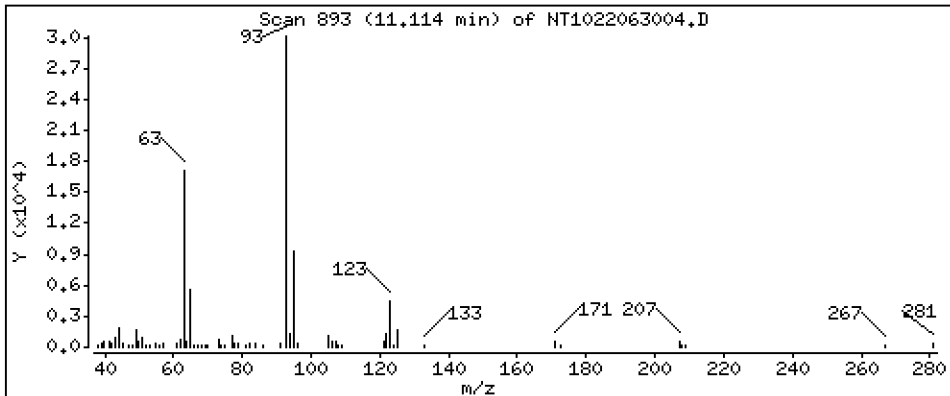
Operator: VTS

Column phase: ZB-5msi

Column diameter: 0,25

23 Bis(2-Chloroethoxy)methane

Concentration: 0,4798 ug/mL



Date : 30-JUN-2022 15:27

Client ID:

Instrument: nt10.i

Sample Info: SKG0010-LCV1

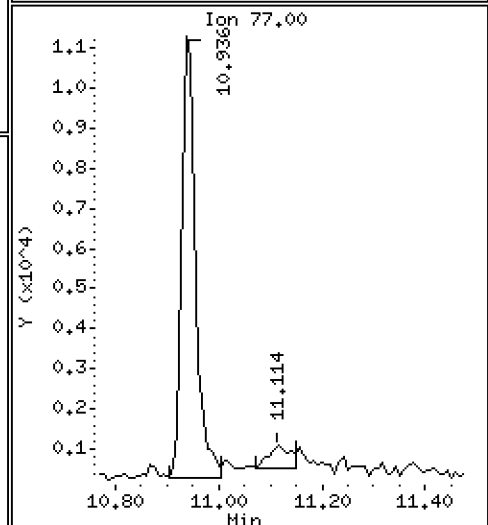
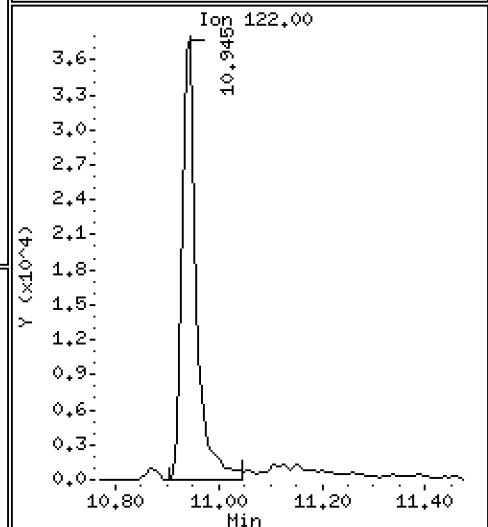
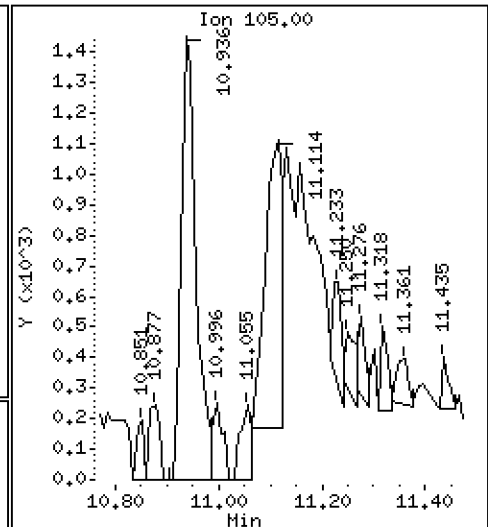
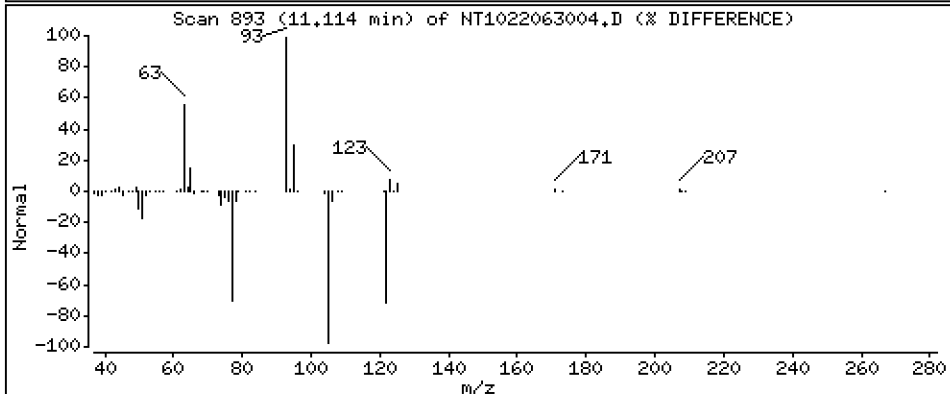
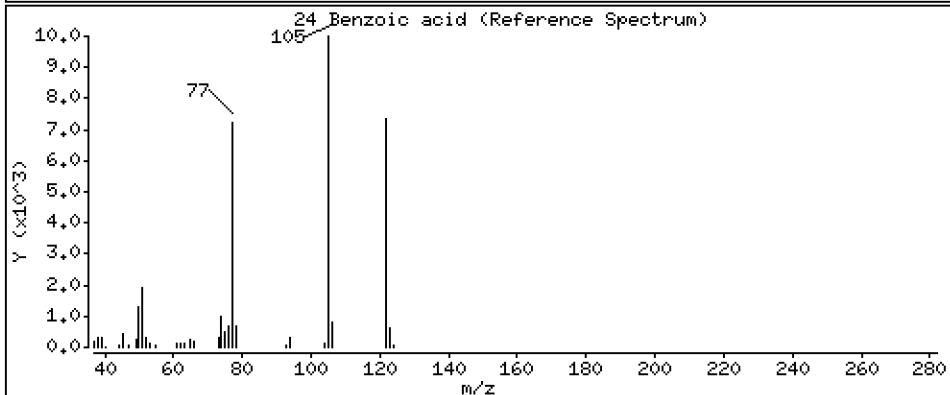
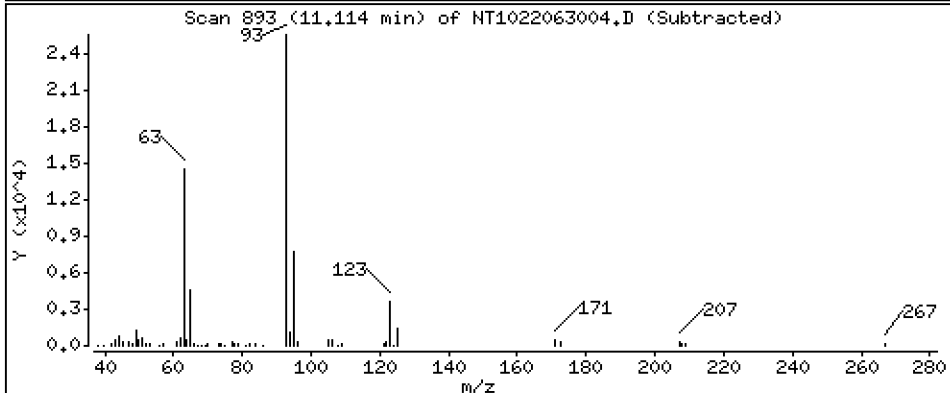
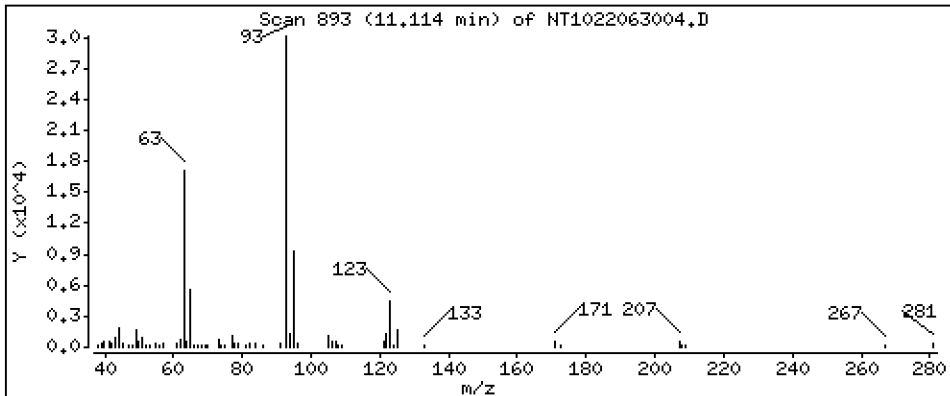
Operator: VTS

Column phase: ZB-5msi

Column diameter: 0.25

24 Benzoic acid

Concentration: 0.04871 ug/mL



Date : 30-JUN-2022 15:27

Client ID:

Instrument: nt10.i

Sample Info: SKG0010-LCV1

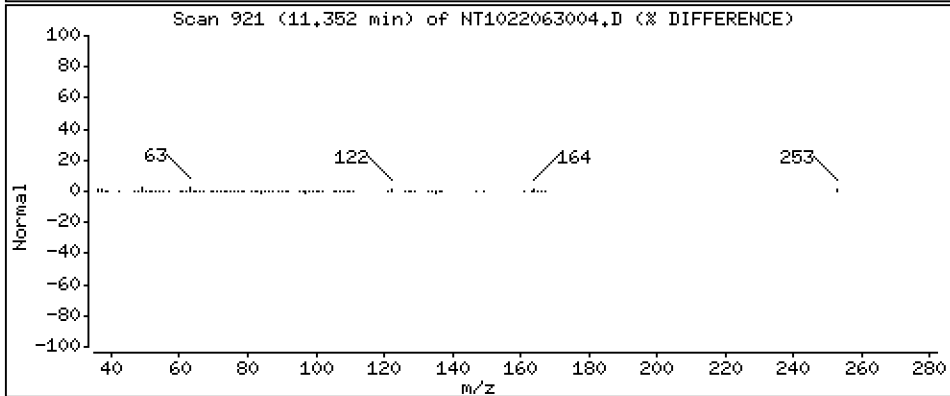
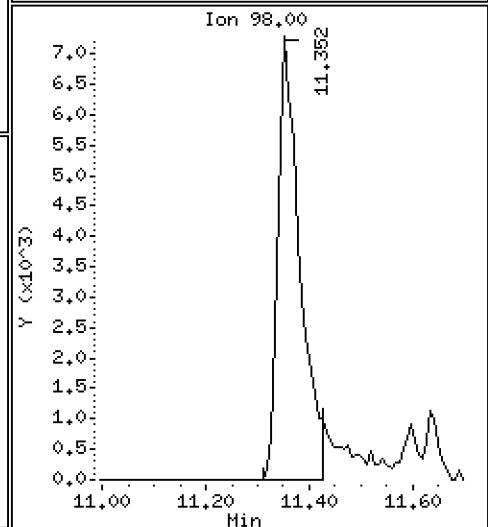
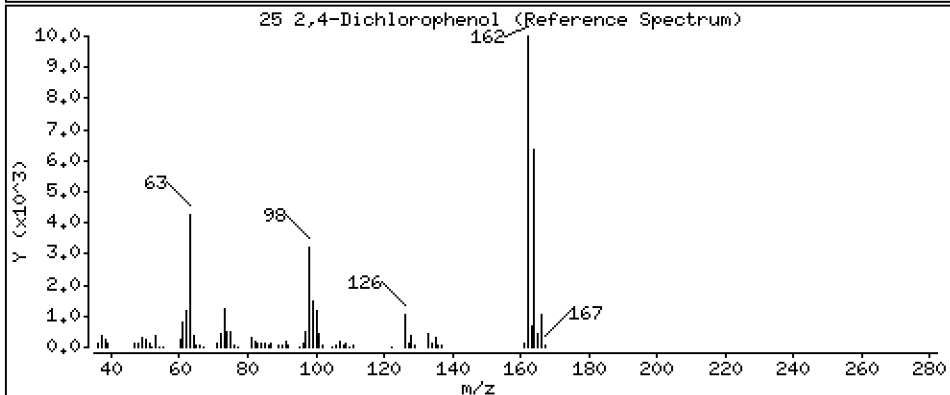
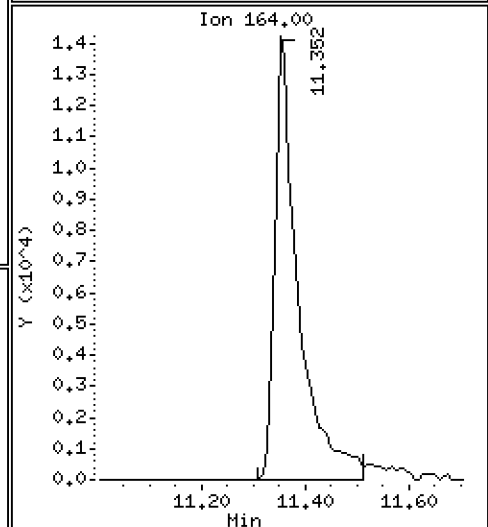
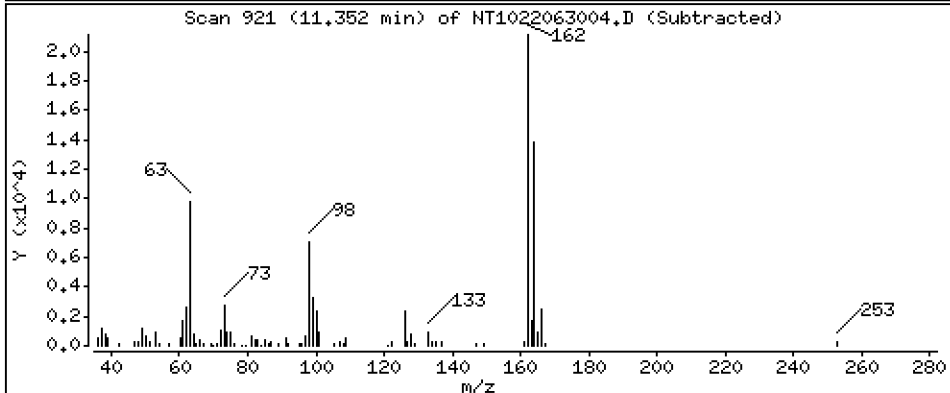
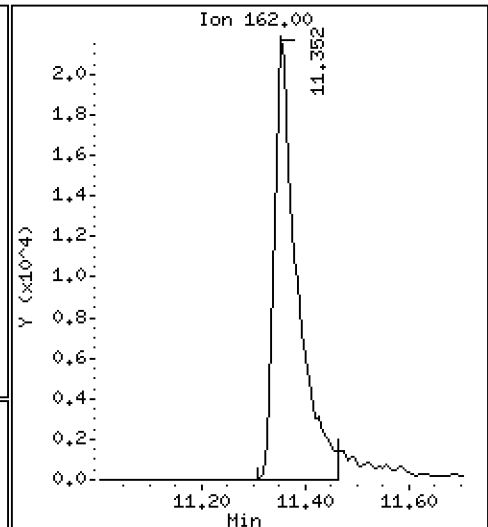
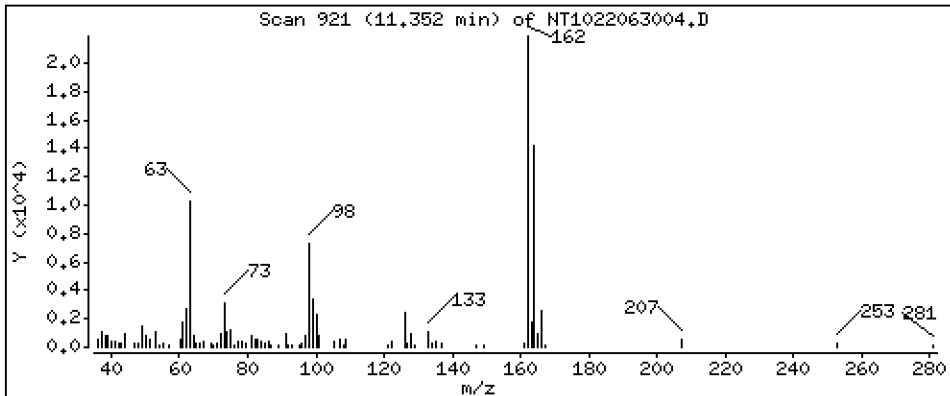
Operator: VTS

Column phase: ZB-5msi

Column diameter: 0,25

25 2,4-Dichlorophenol

Concentration: 0,7800 ug/mL



Date : 30-JUN-2022 15:27

Client ID:

Instrument: nt10.i

Sample Info: SKG0010-LCV1

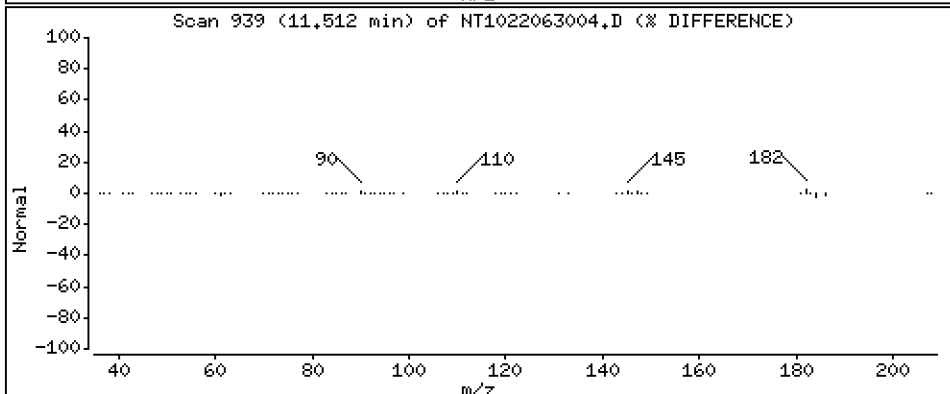
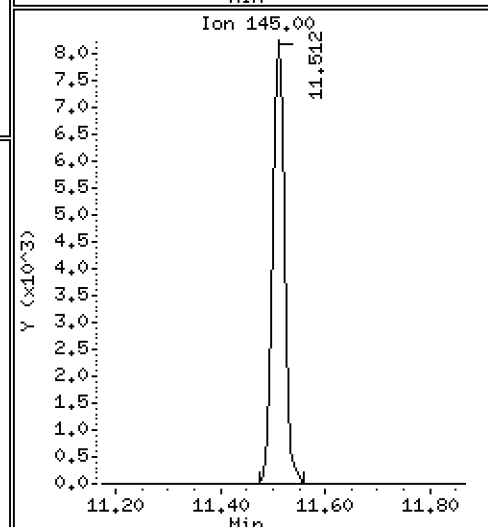
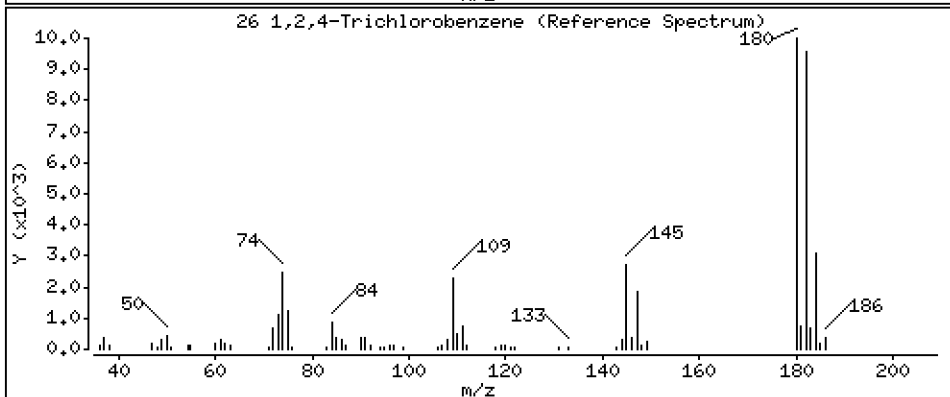
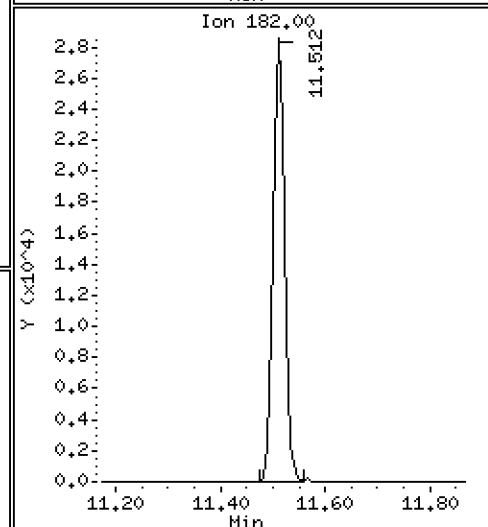
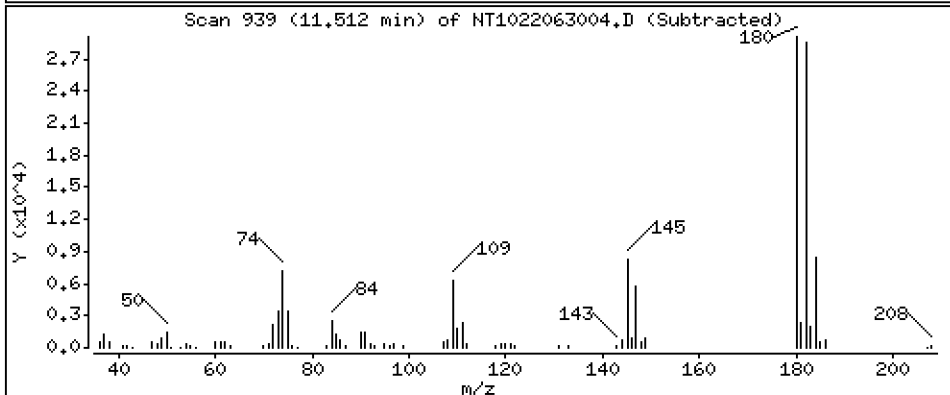
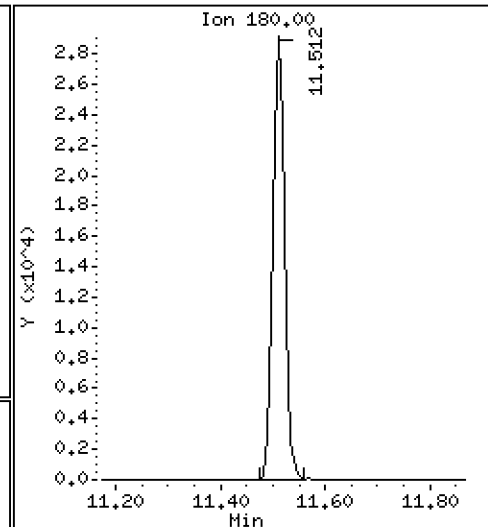
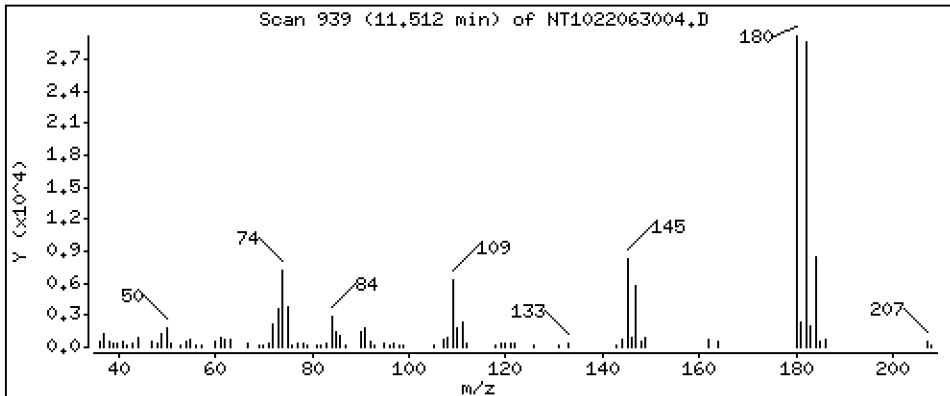
Operator: VTS

Column phase: ZB-5msi

Column diameter: 0,25

26 1,2,4-Trichlorobenzene

Concentration: 0,5022 ug/mL



Date : 30-JUN-2022 15:27

Client ID:

Instrument: nt10.i

Sample Info: SKG0010-LCV1

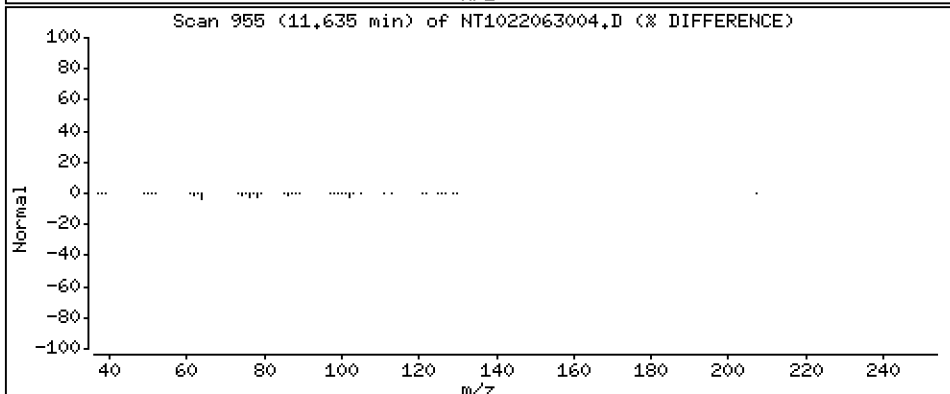
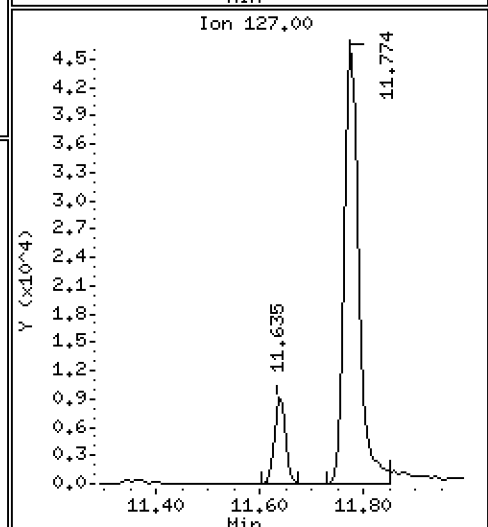
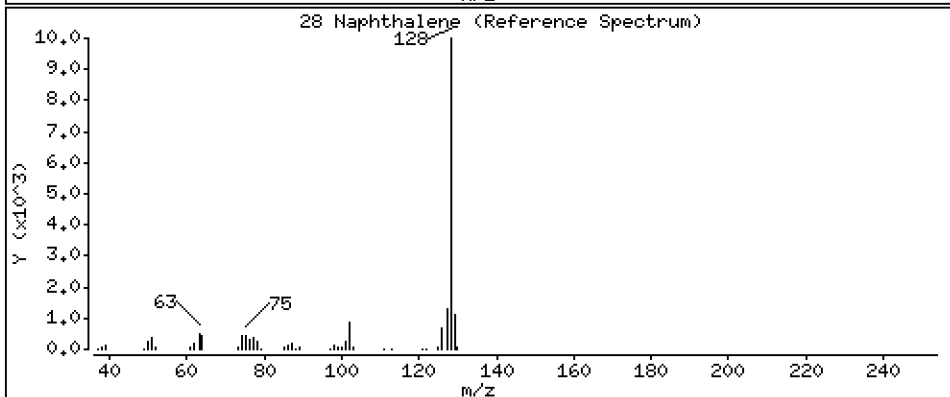
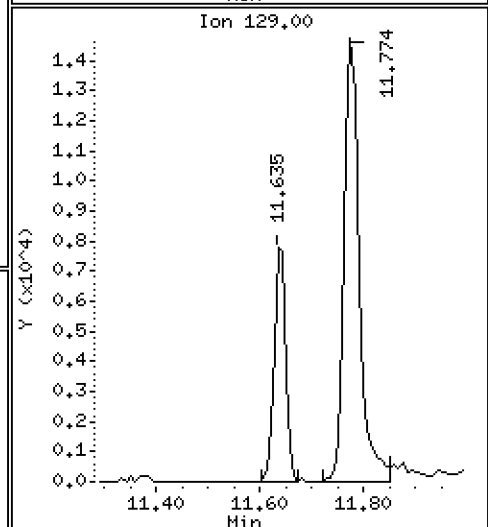
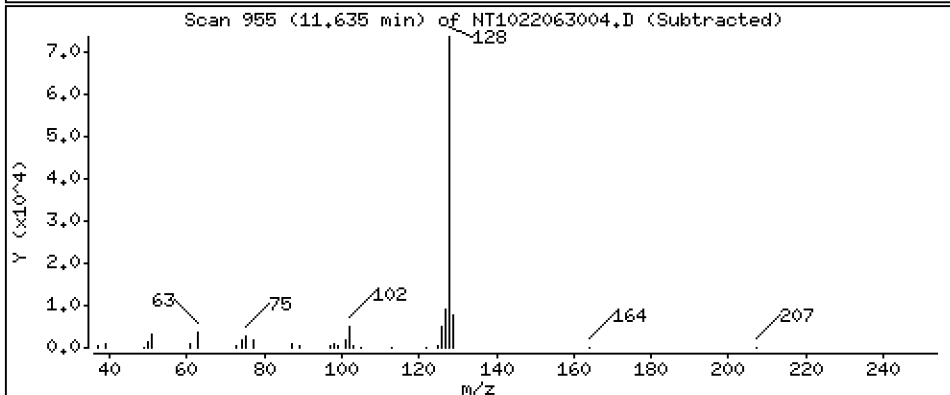
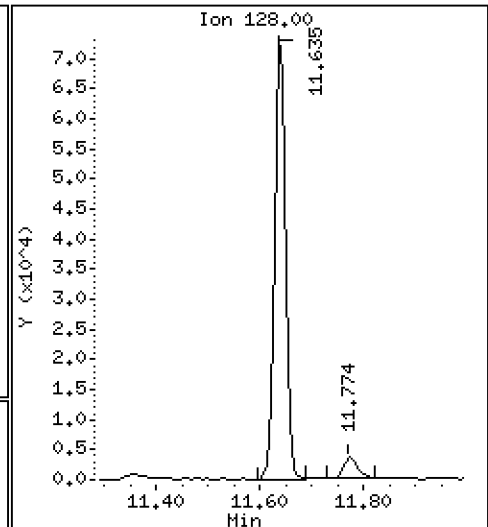
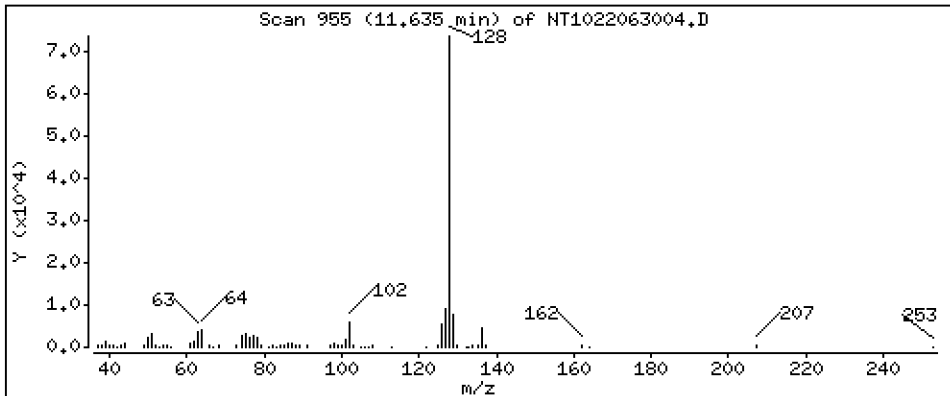
Operator: VTS

Column phase: ZB-5msi

Column diameter: 0,25

28 Naphthalene

Concentration: 0,4119 ug/mL



Date : 30-JUN-2022 15:27

Client ID:

Instrument: nt10.i

Sample Info: SKG0010-LCV1

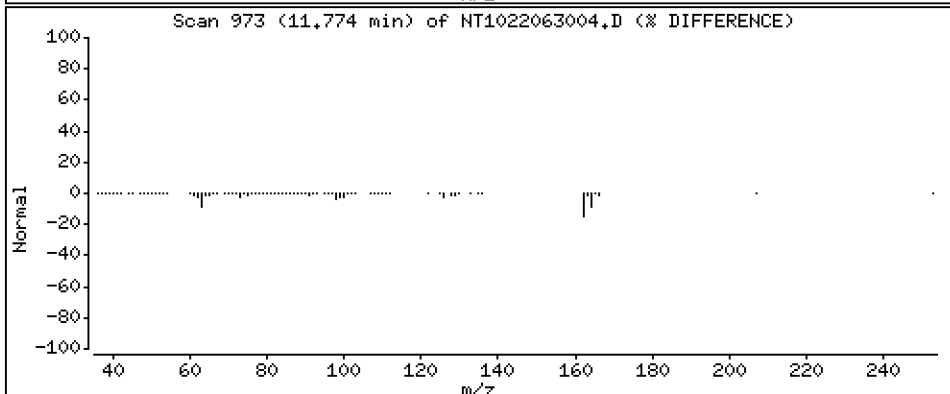
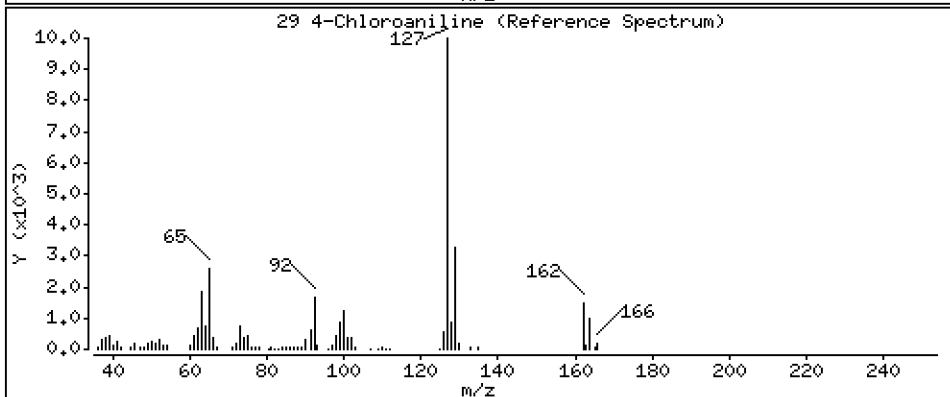
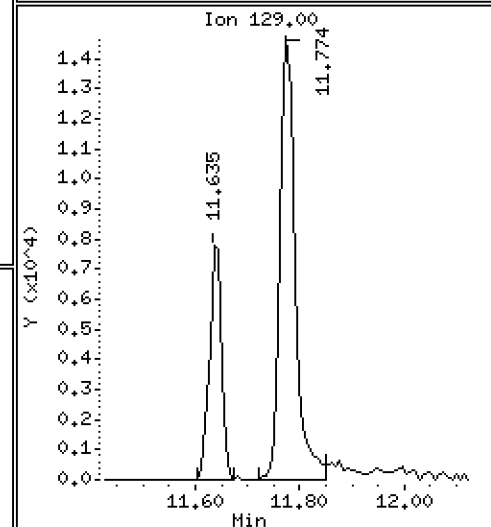
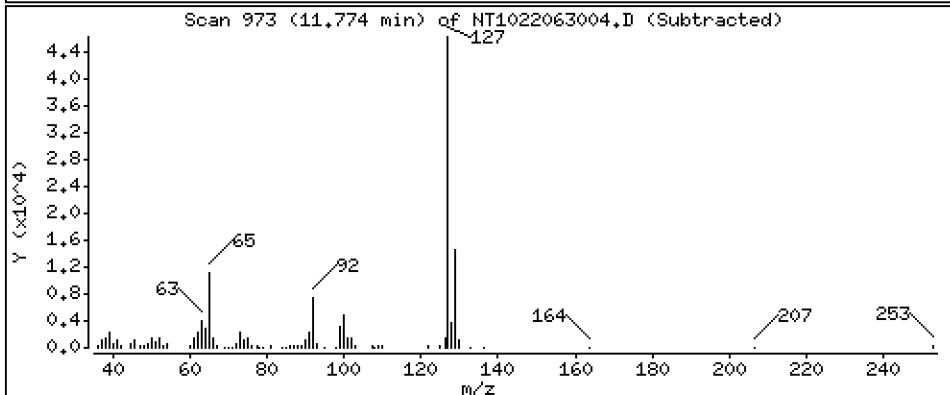
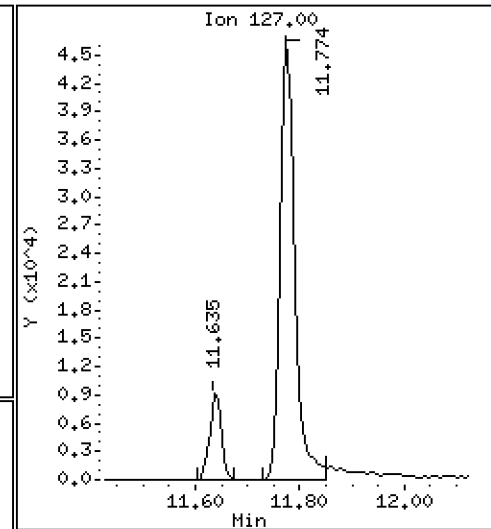
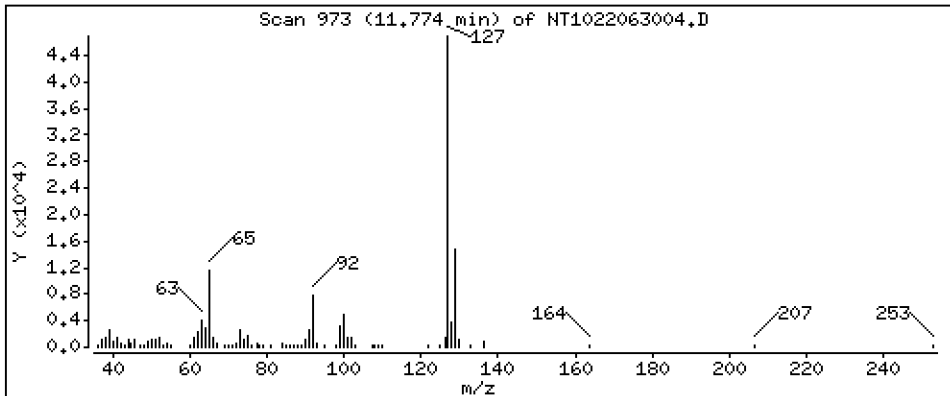
Operator: VTS

Column phase: ZB-5msi

Column diameter: 0,25

29 4-Chloroaniline

Concentration: 0,7226 ug/mL



Date : 30-JUN-2022 15:27

Client ID:

Instrument: nt10.i

Sample Info: SKG0010-LCV1

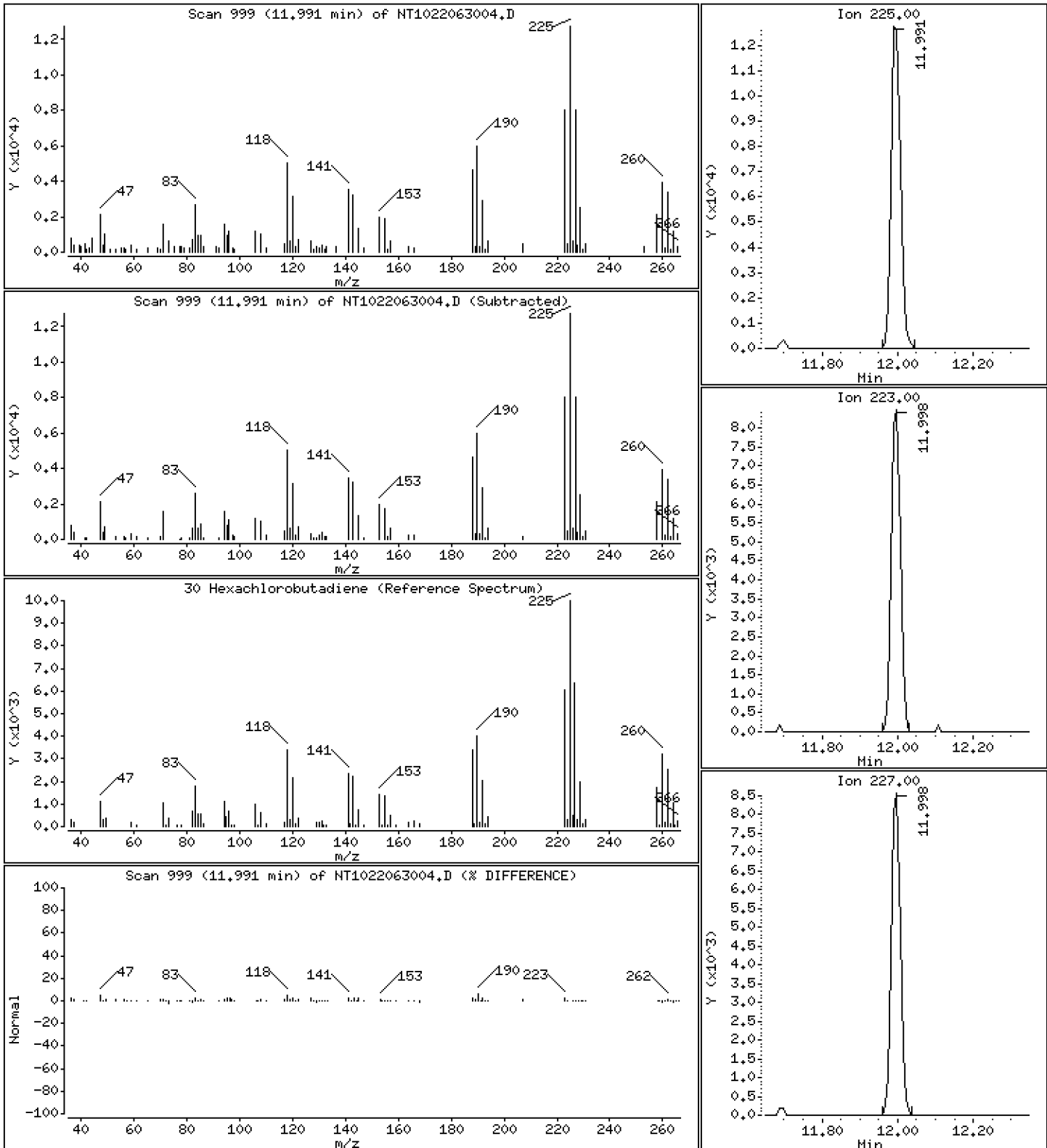
Operator: VTS

Column phase: ZB-5msi

Column diameter: 0,25

30 Hexachlorobutadiene

Concentration: 0,4622 ug/mL



Date : 30-JUN-2022 15:27

Client ID:

Instrument: nt10.i

Sample Info: SKG0010-LCV1

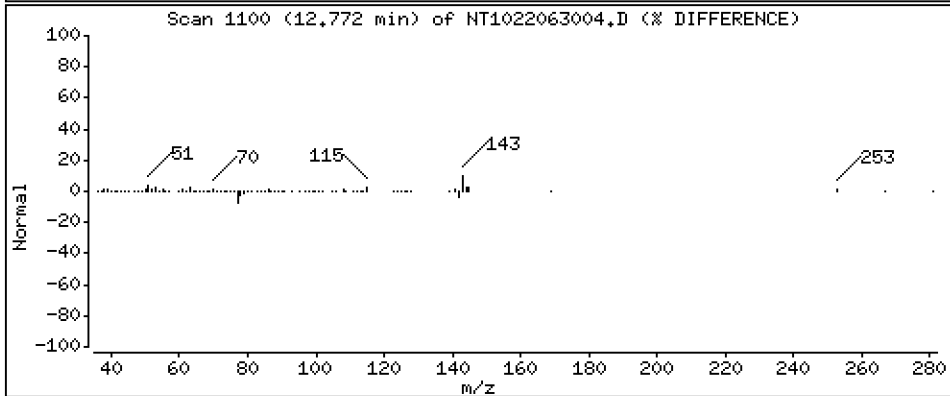
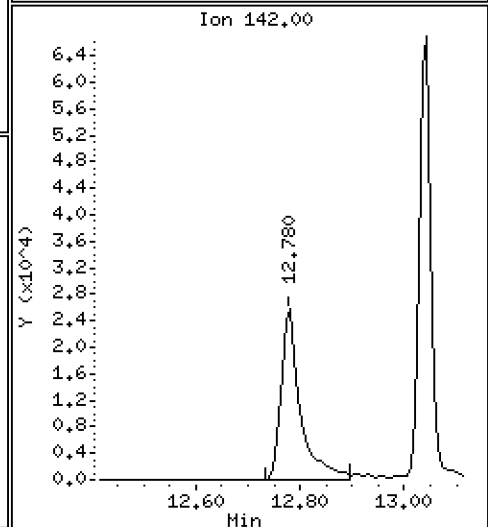
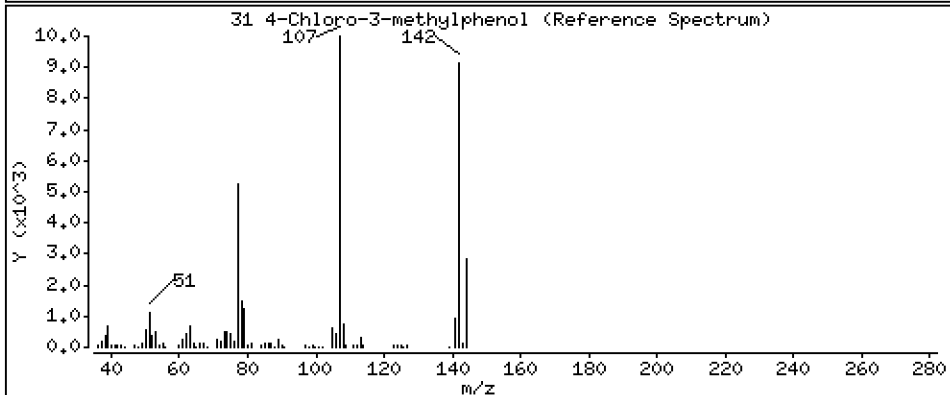
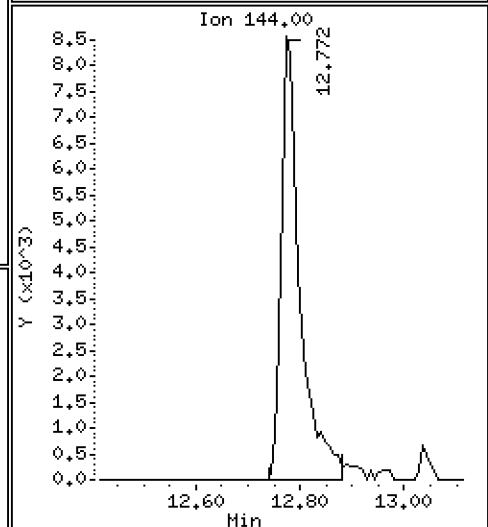
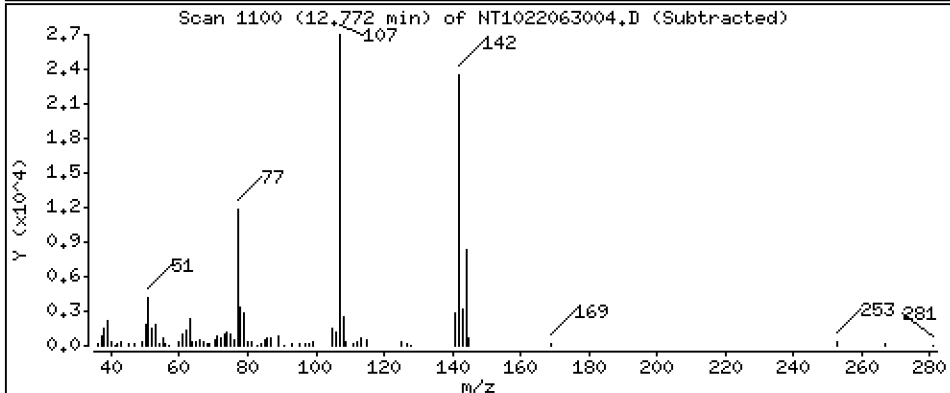
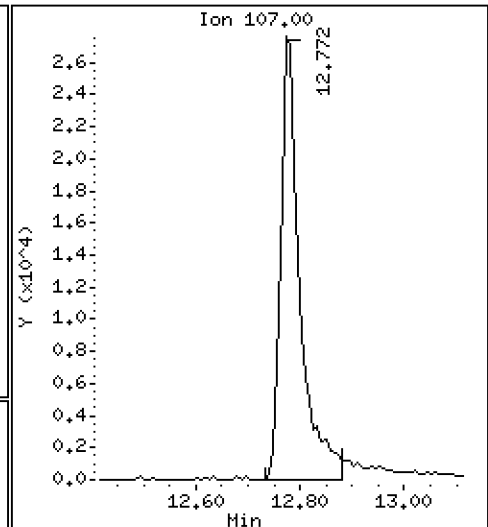
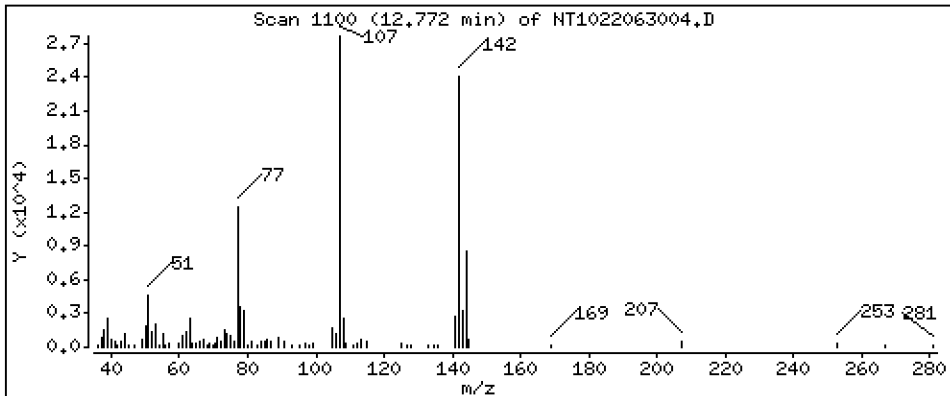
Operator: VTS

Column phase: ZB-5msi

Column diameter: 0,25

31 4-Chloro-3-methylphenol

Concentration: 0,6773 ug/mL



Date : 30-JUN-2022 15:27

Client ID:

Instrument: nt10.i

Sample Info: SKG0010-LCV1

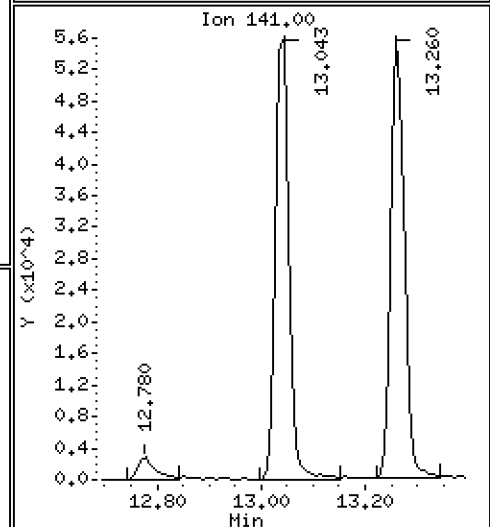
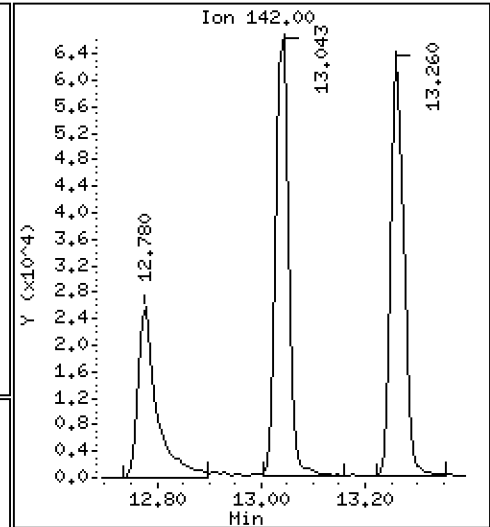
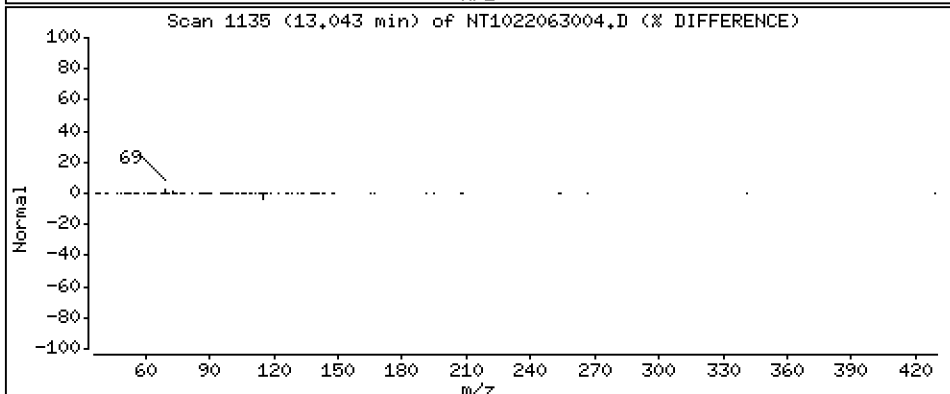
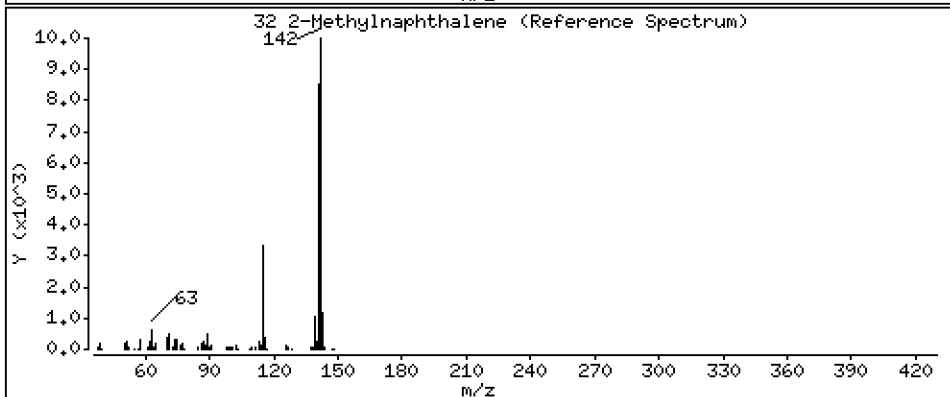
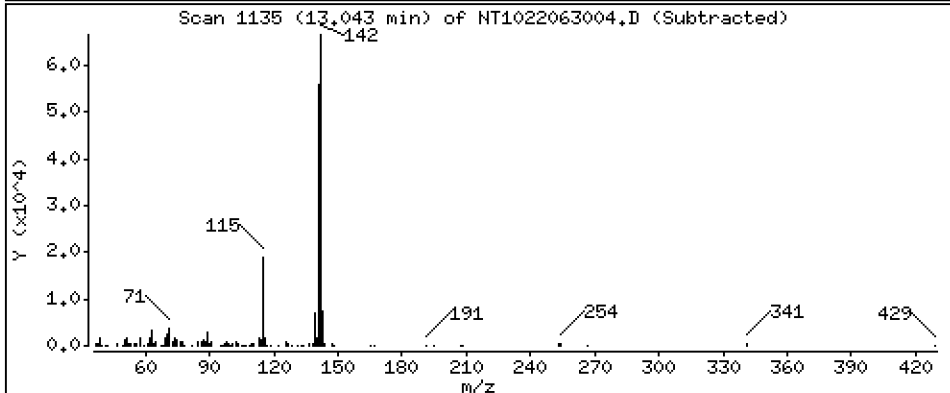
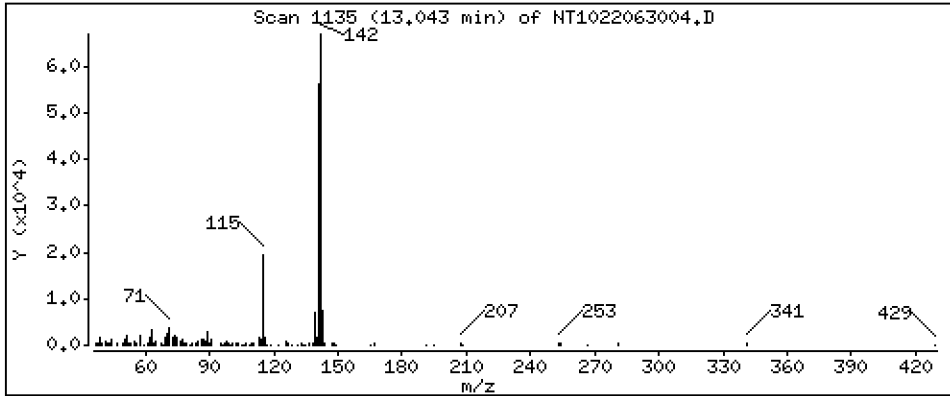
Operator: VTS

Column phase: ZB-5msi

Column diameter: 0,25

32 2-Methylnaphthalene

Concentration: 0,3996 ug/mL



Date : 30-JUN-2022 15:27

Client ID:

Instrument: nt10.i

Sample Info: SKG0010-LCV1

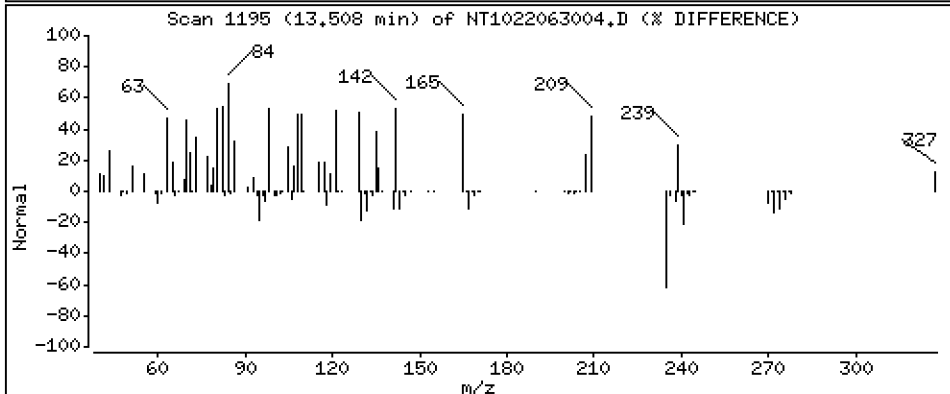
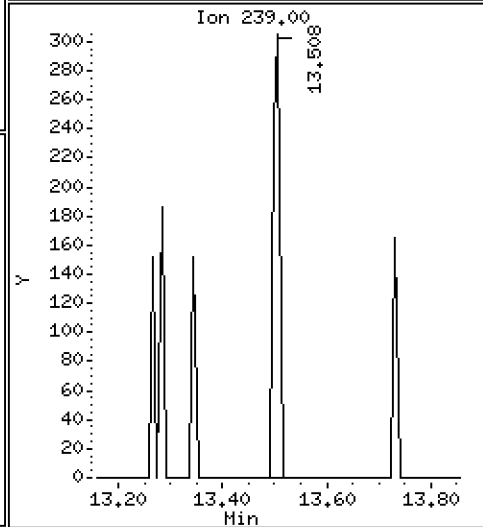
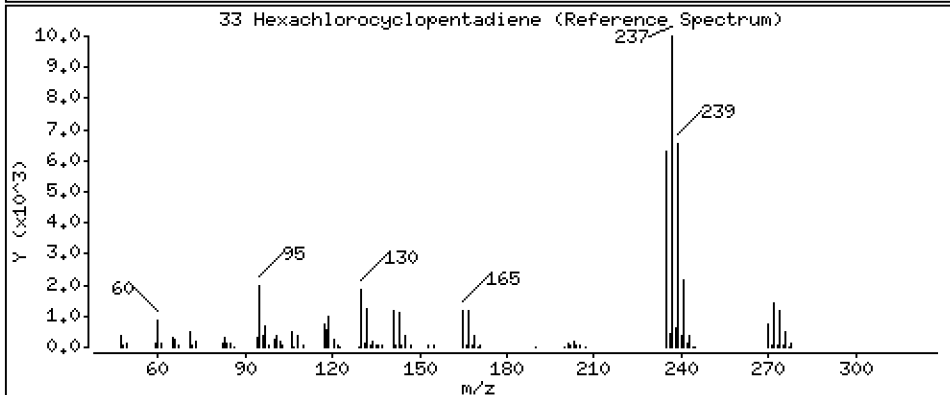
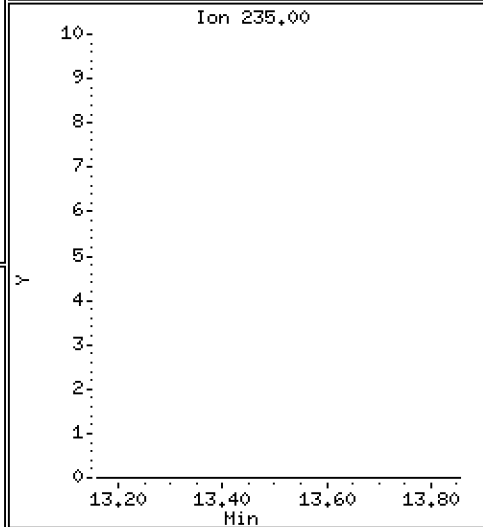
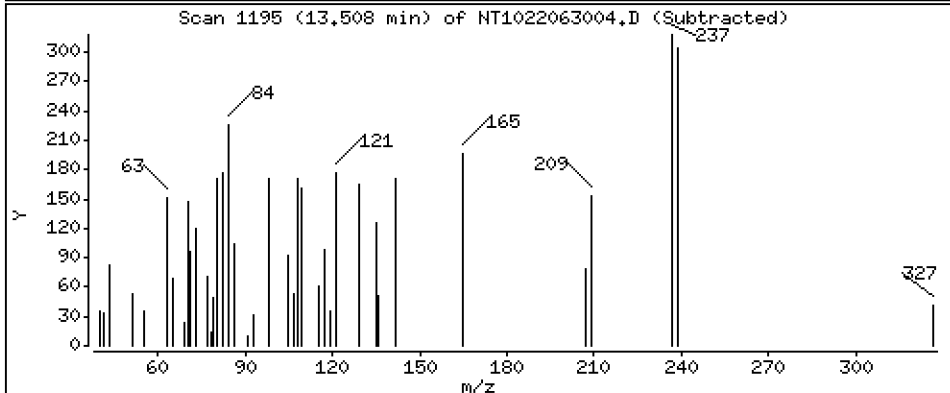
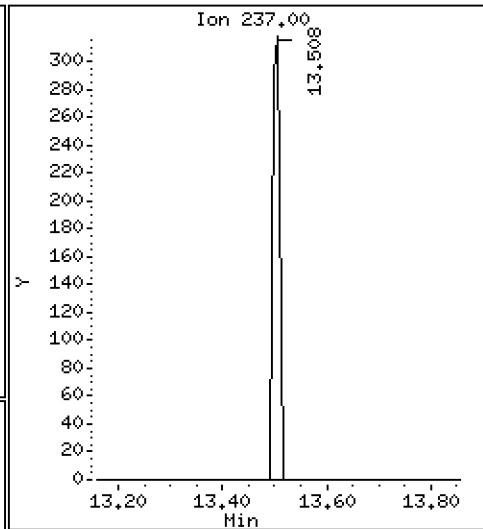
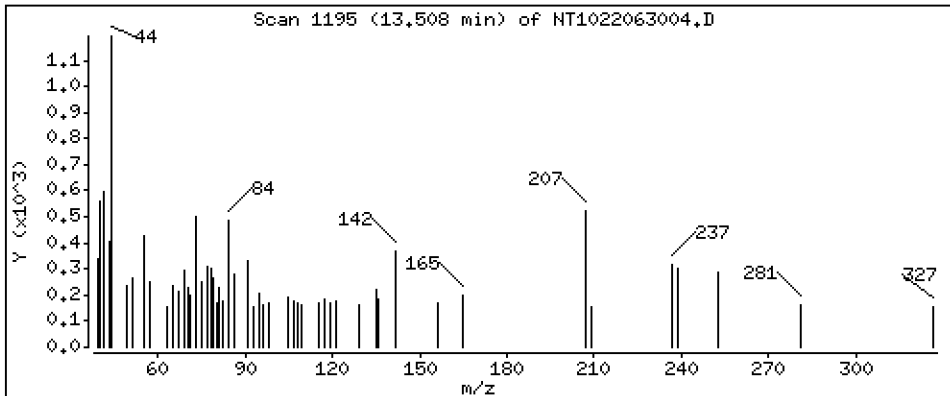
Operator: VTS

Column phase: ZB-5msi

Column diameter: 0,25

33 Hexachlorocyclopentadiene

Concentration: 0,008895 ug/mL



Date : 30-JUN-2022 15:27

Client ID:

Instrument: nt10.i

Sample Info: SKG0010-LCV1

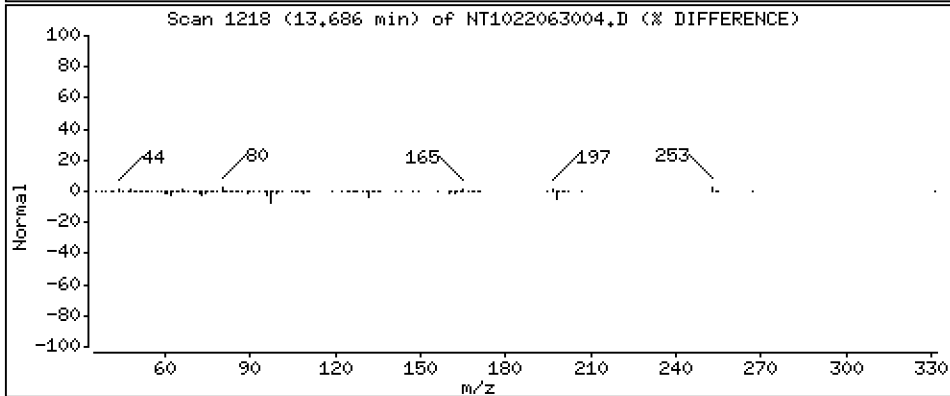
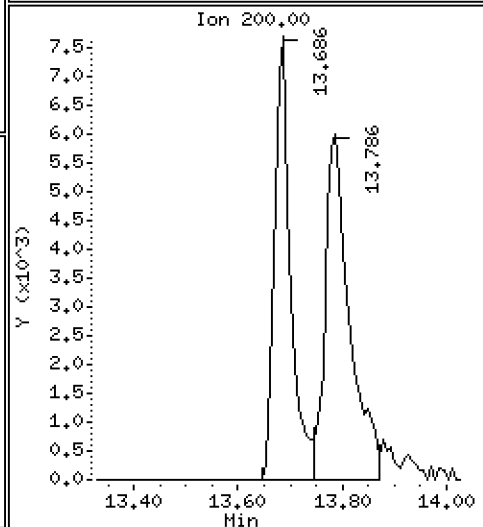
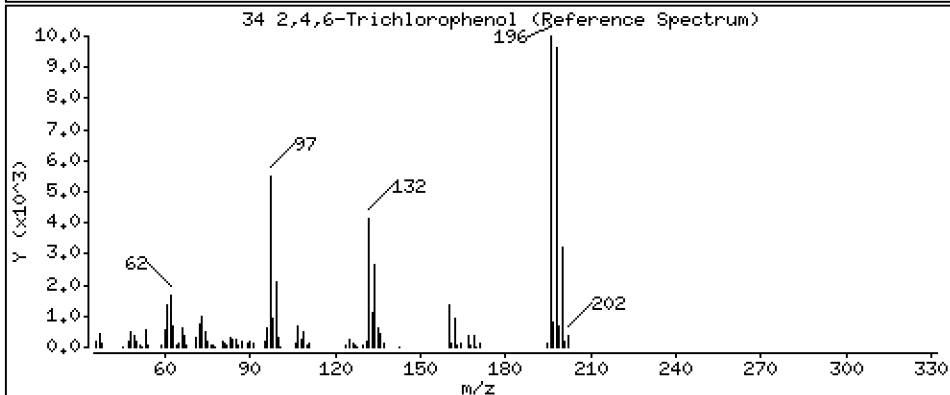
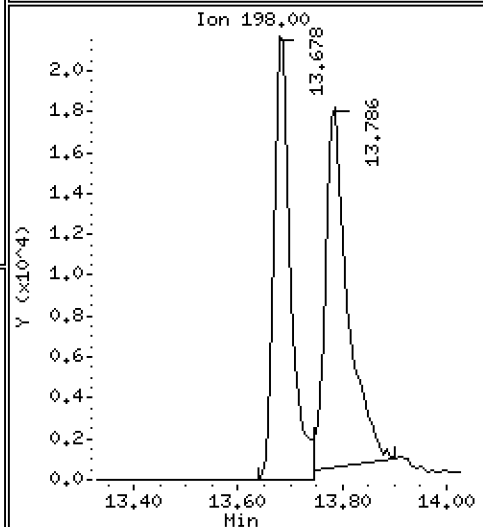
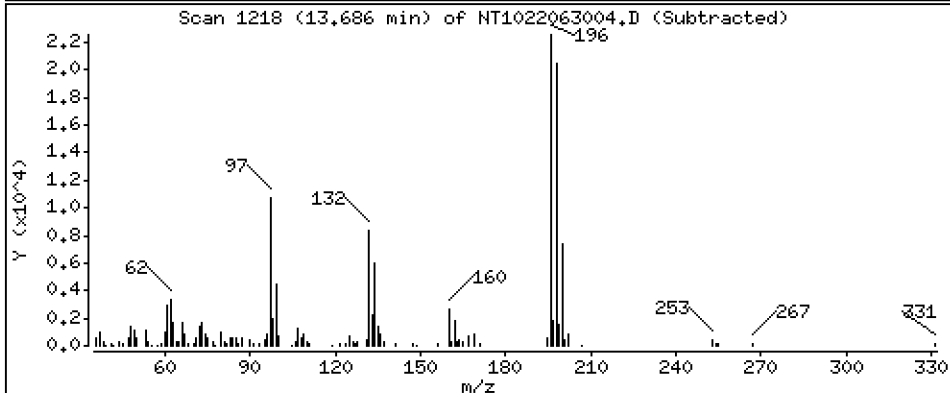
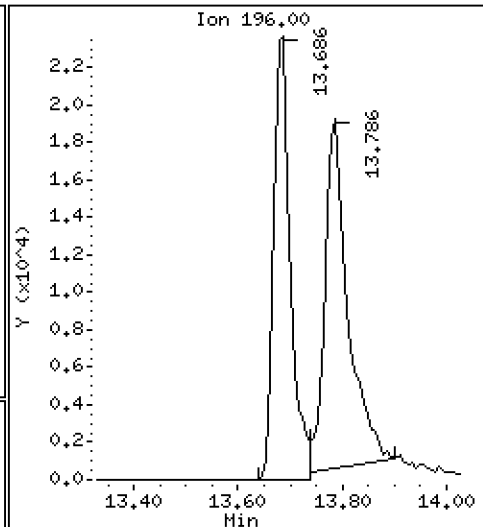
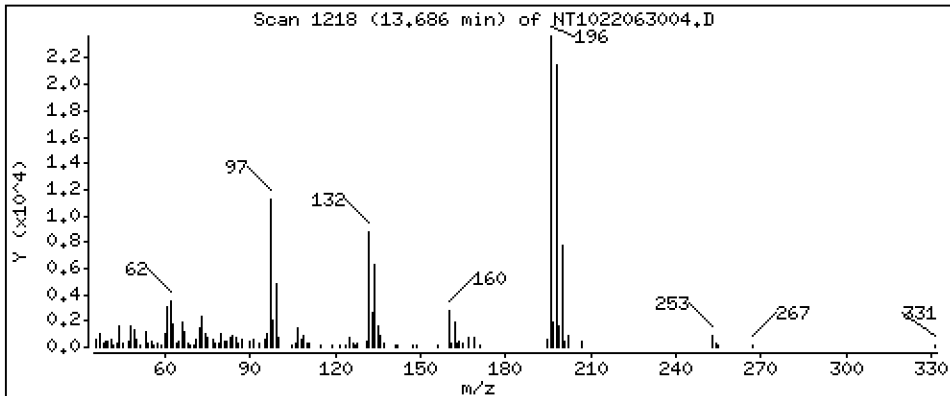
Operator: VTS

Column phase: ZB-5msi

Column diameter: 0,25

34 2,4,6-Trichlorophenol

Concentration: 0,8208 ug/mL



Date : 30-JUN-2022 15:27

Client ID:

Instrument: nt10.i

Sample Info: SKG0010-LCV1

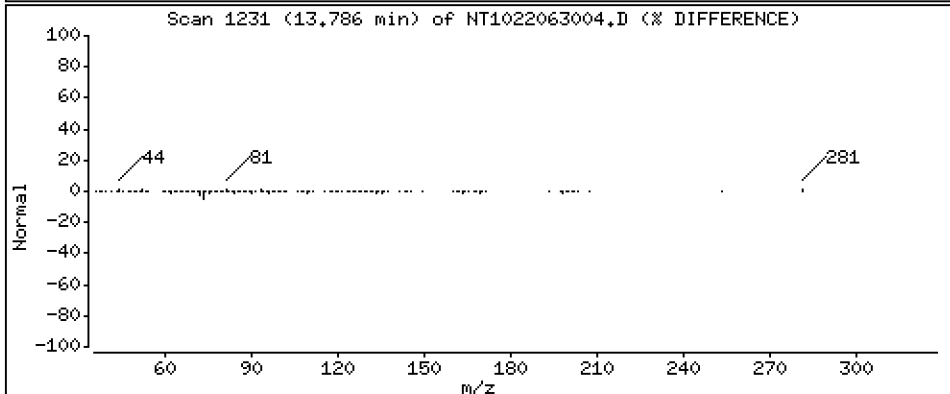
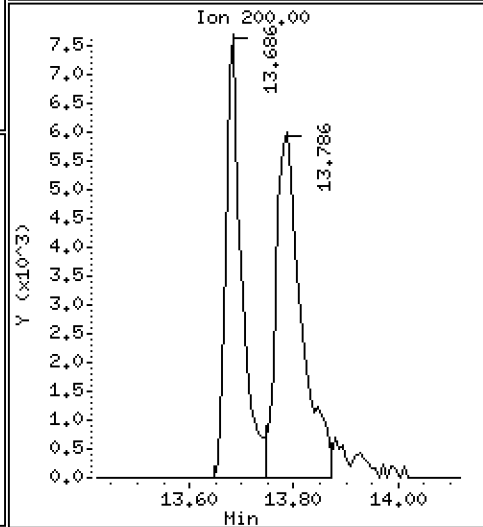
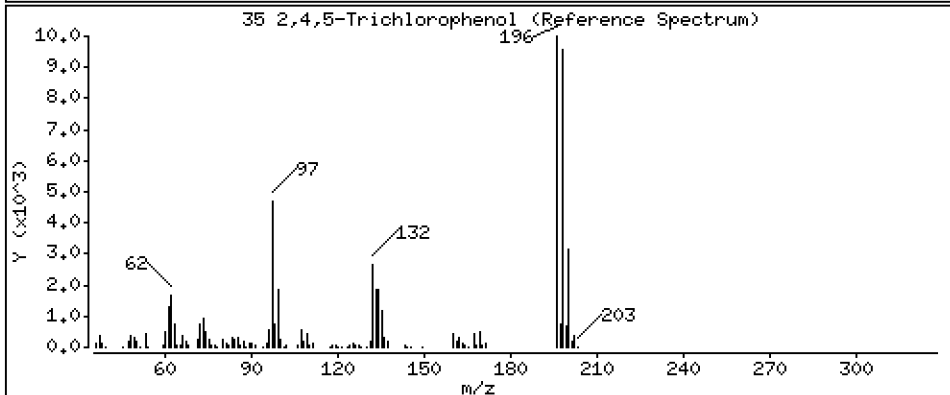
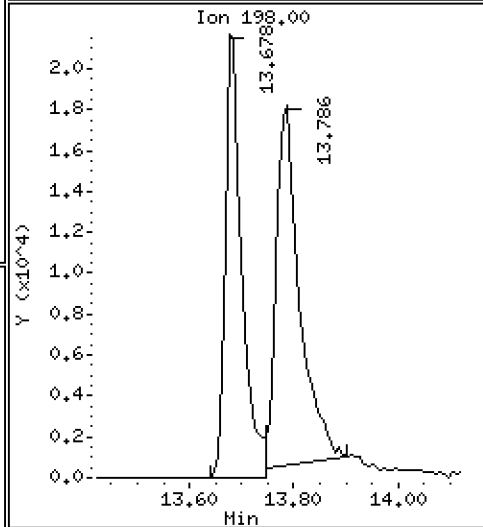
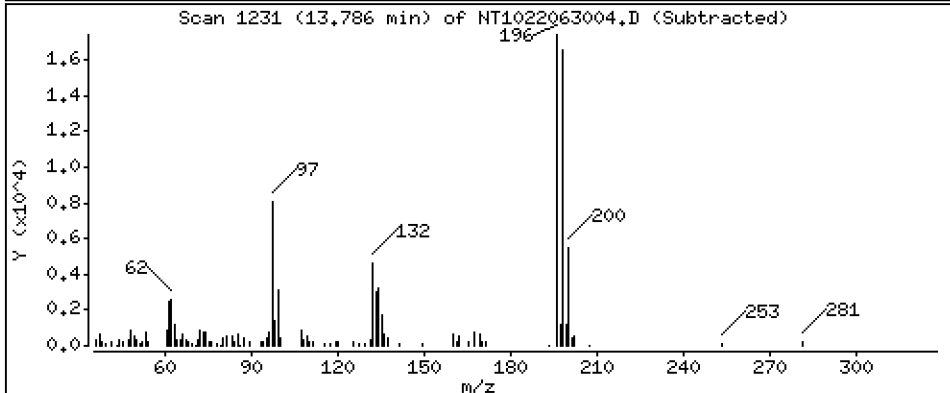
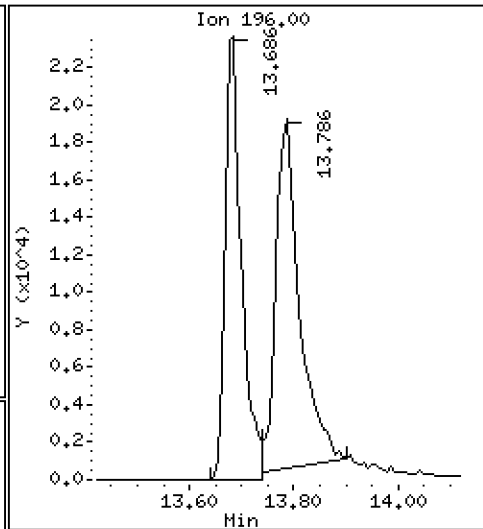
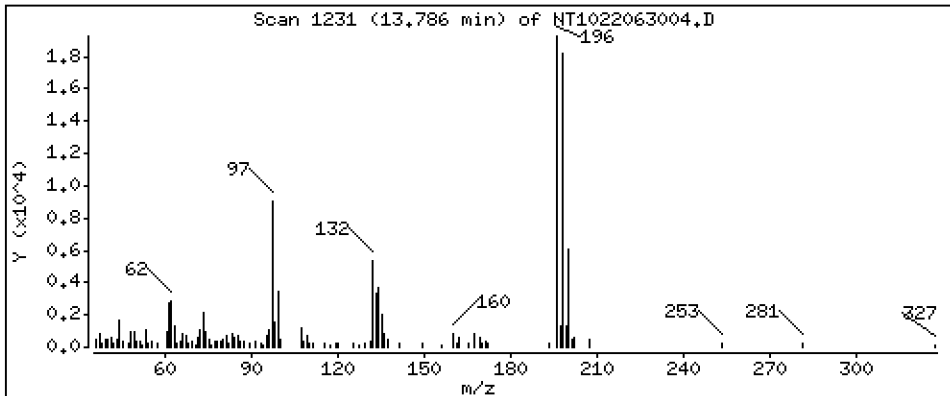
Operator: VTS

Column phase: ZB-5msi

Column diameter: 0,25

35 2,4,5-Trichlorophenol

Concentration: 0,7646 ug/mL



Date : 30-JUN-2022 15:27

Client ID:

Instrument: nt10.i

Sample Info: SKG0010-LCV1

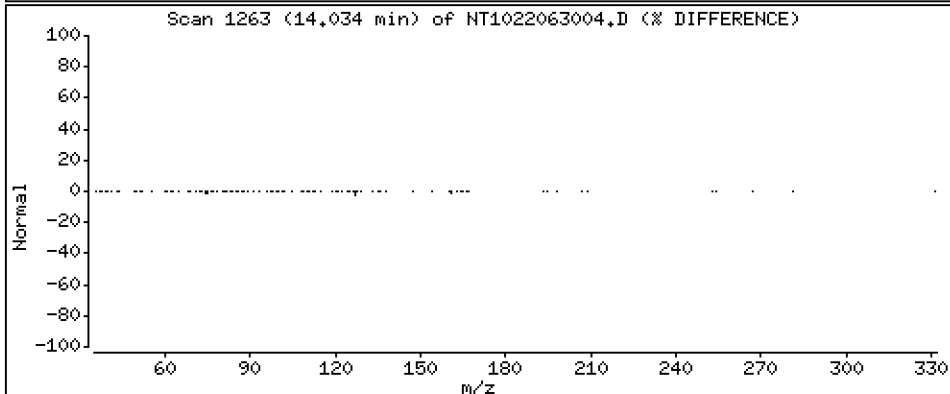
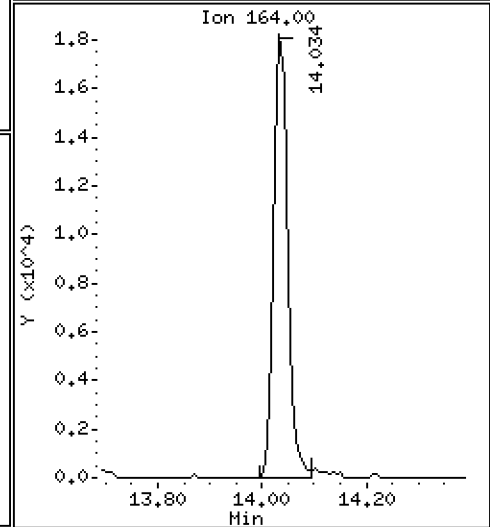
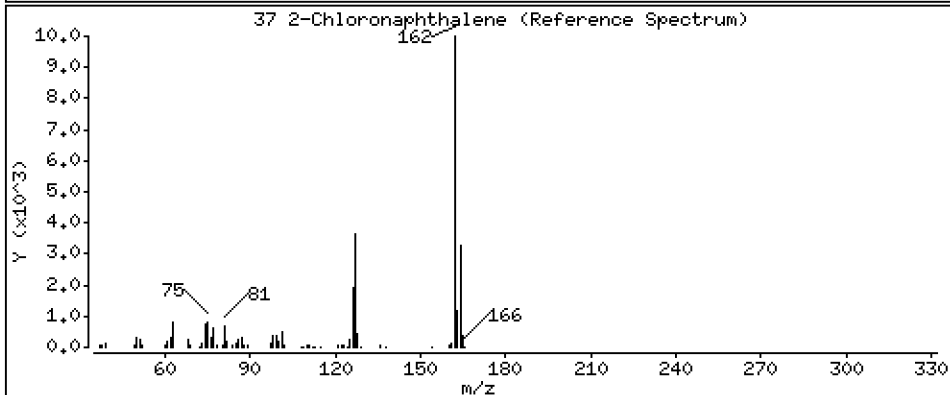
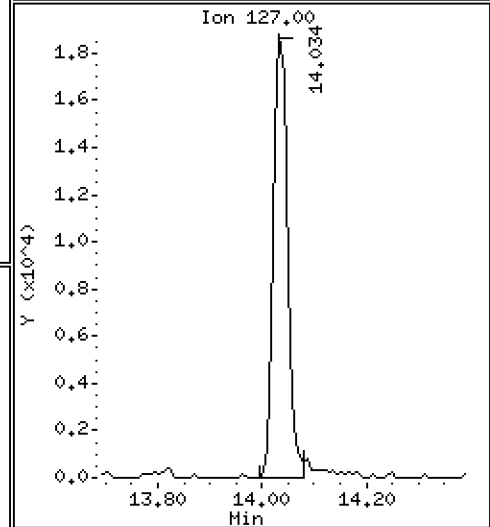
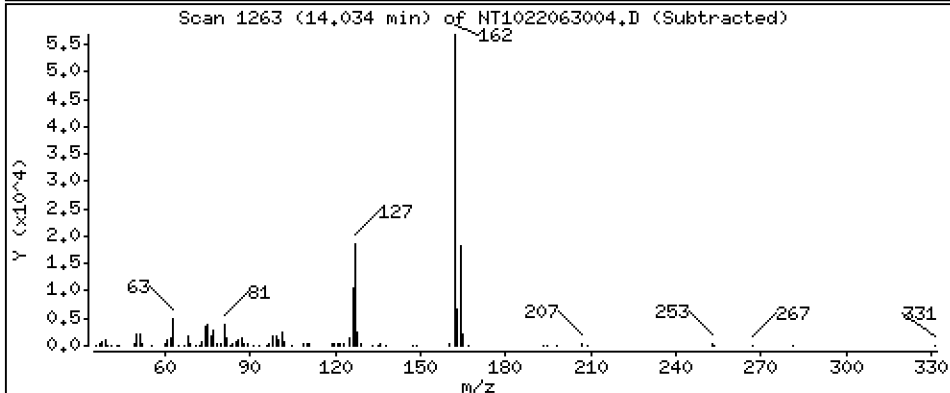
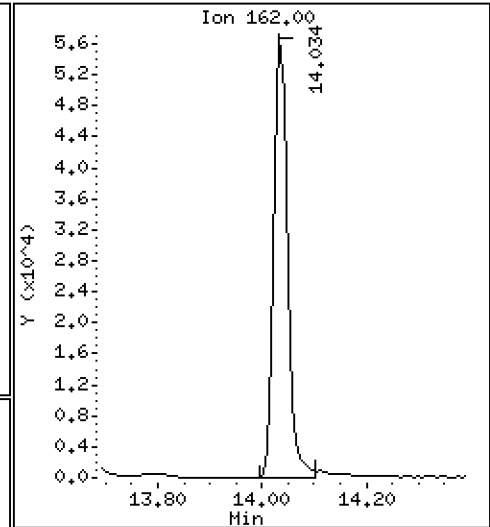
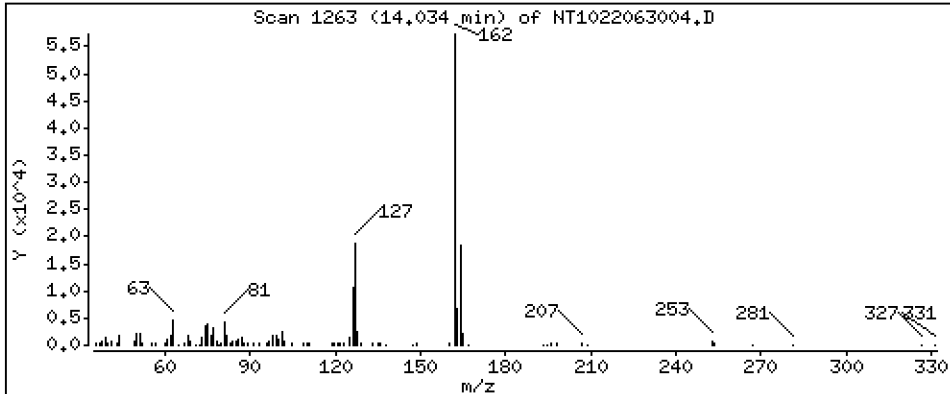
Operator: VTS

Column phase: ZB-5msi

Column diameter: 0,25

37 2-Chloronaphthalene

Concentration: 0,4490 ug/mL



Date : 30-JUN-2022 15:27

Client ID:

Instrument: nt10.i

Sample Info: SKG0010-LCV1

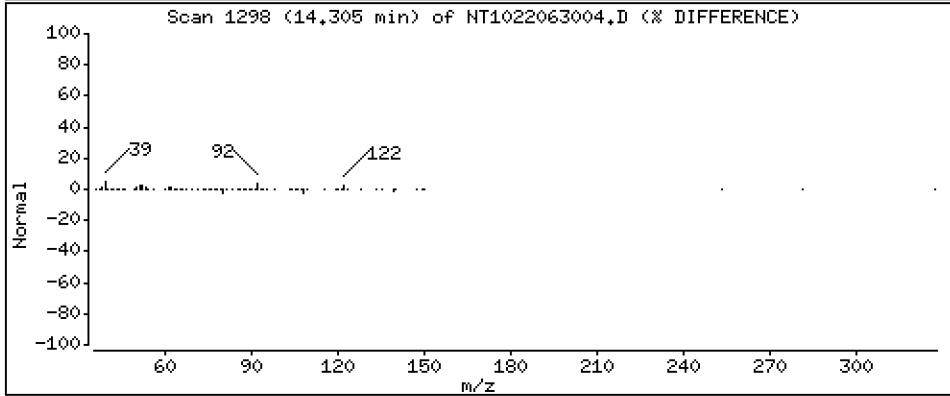
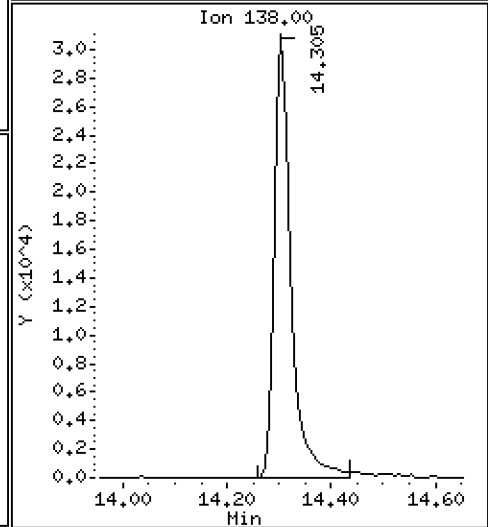
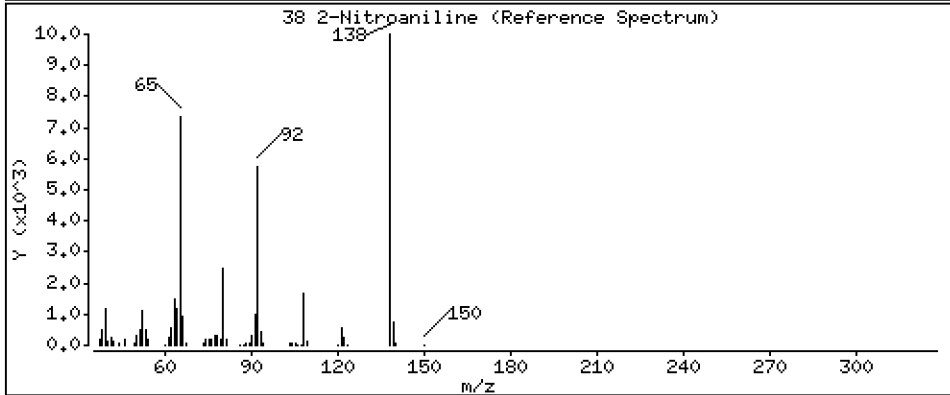
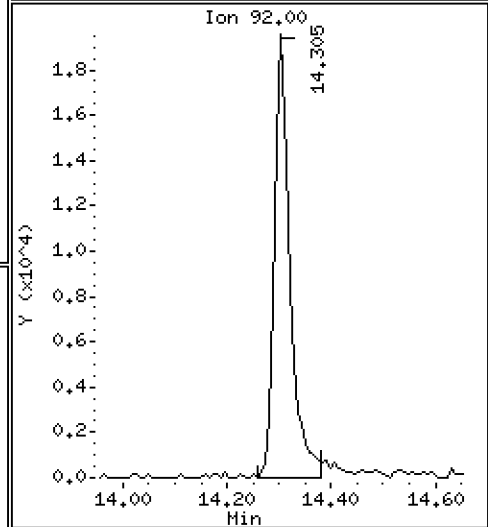
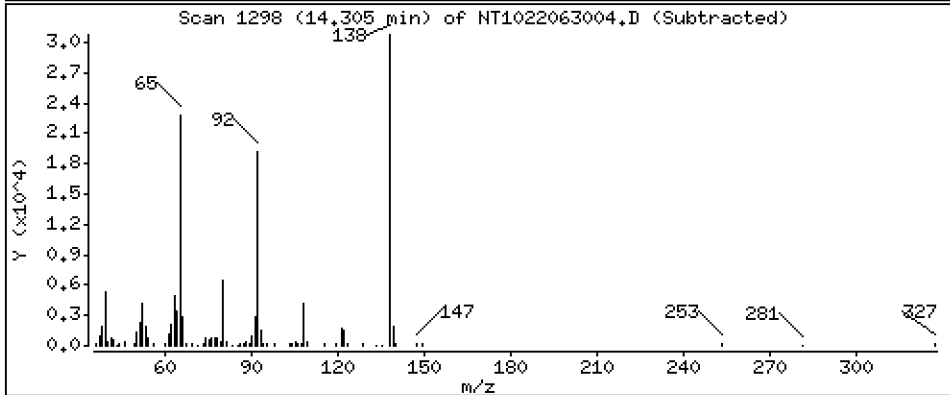
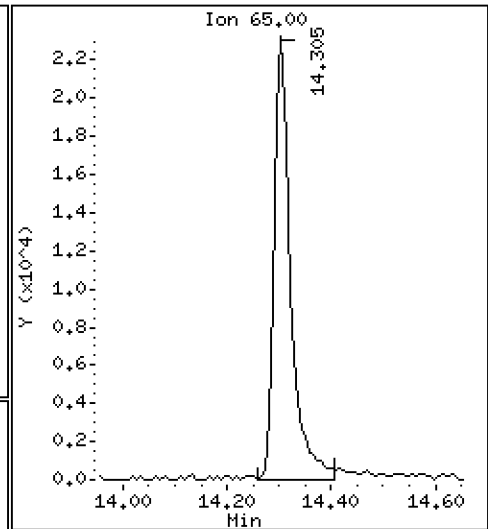
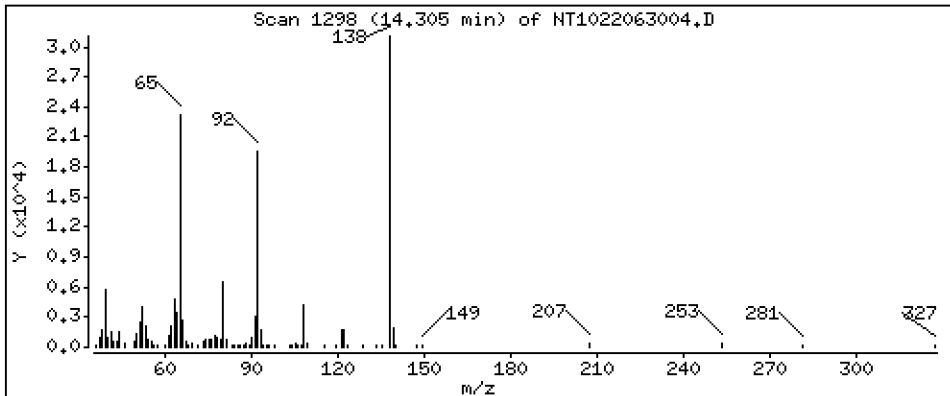
Operator: VTS

Column phase: ZB-5msi

Column diameter: 0,25

38 2-Nitroaniline

Concentration: 0,8283 ug/mL



Date : 30-JUN-2022 15:27

Client ID:

Instrument: nt10.i

Sample Info: SKG0010-LCV1

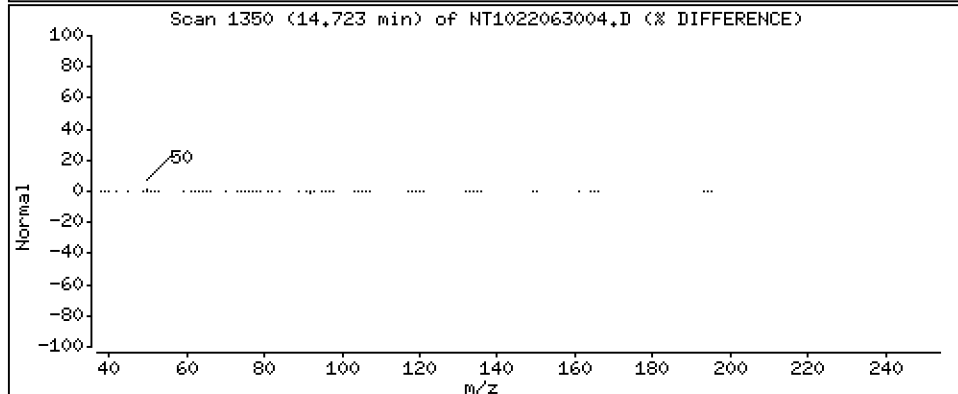
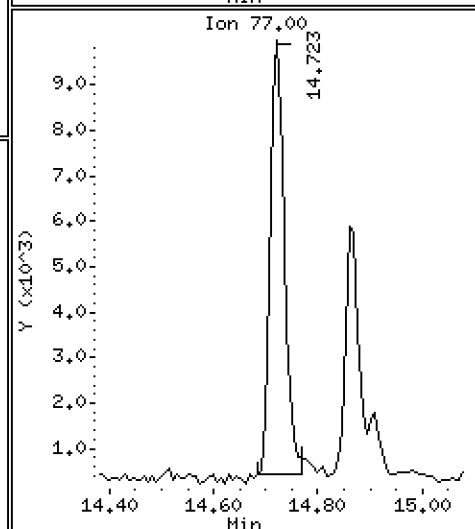
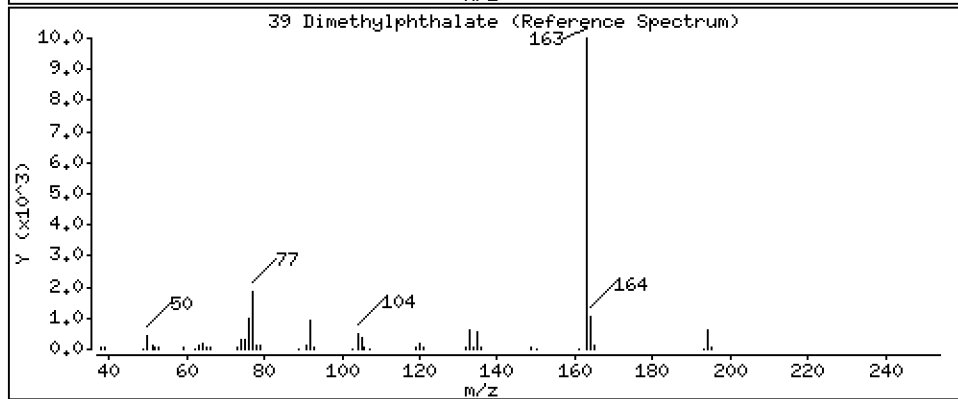
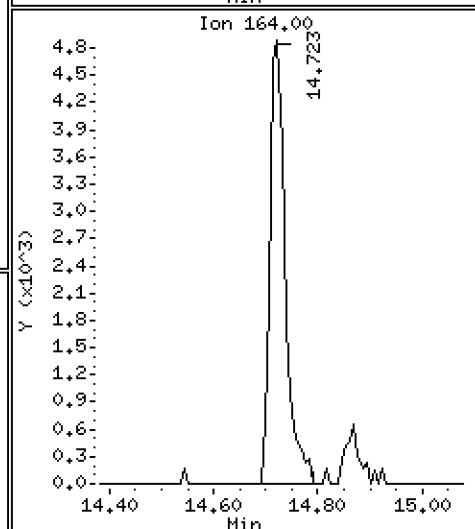
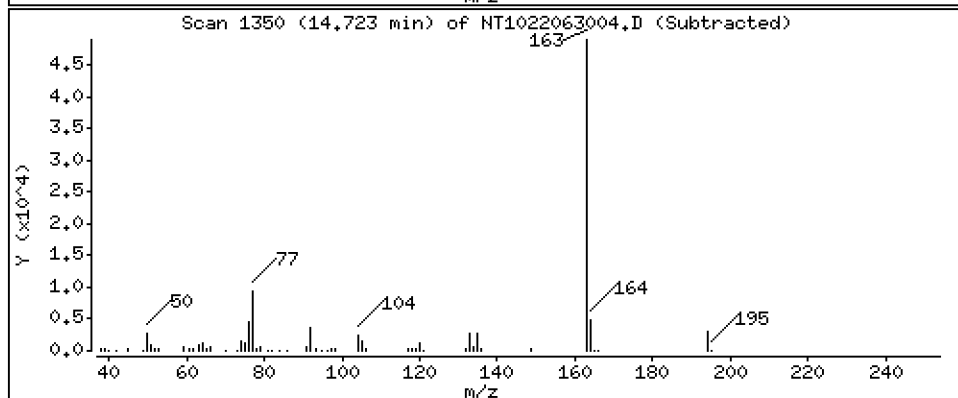
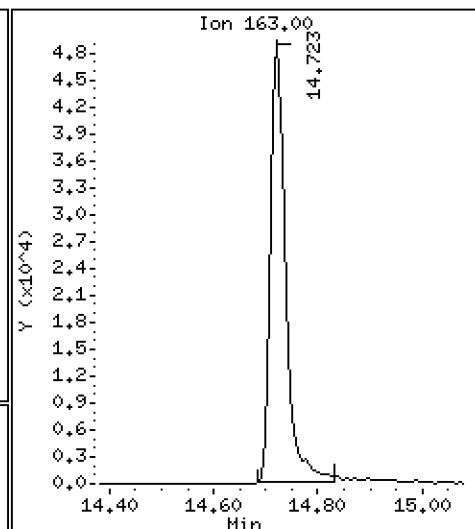
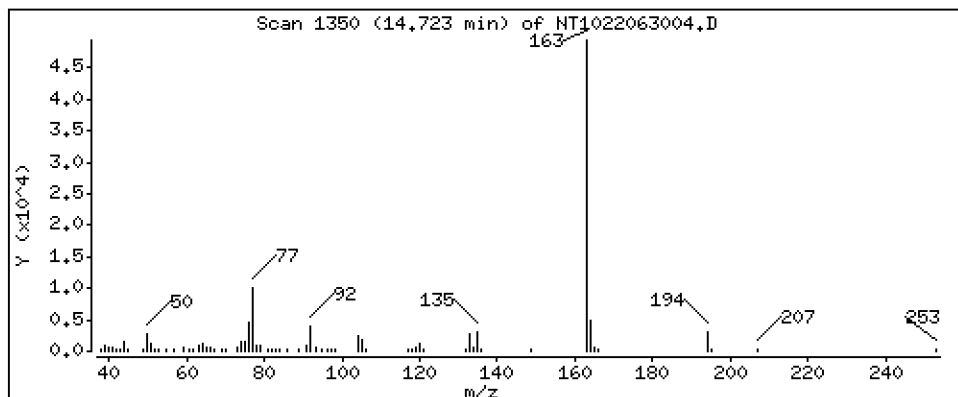
Operator: VTS

Column phase: ZB-5msi

Column diameter: 0,25

39 Dimethylphthalate

Concentration: 0,4883 ug/mL



Date : 30-JUN-2022 15:27

Client ID:

Instrument: nt10.i

Sample Info: SKG0010-LCV1

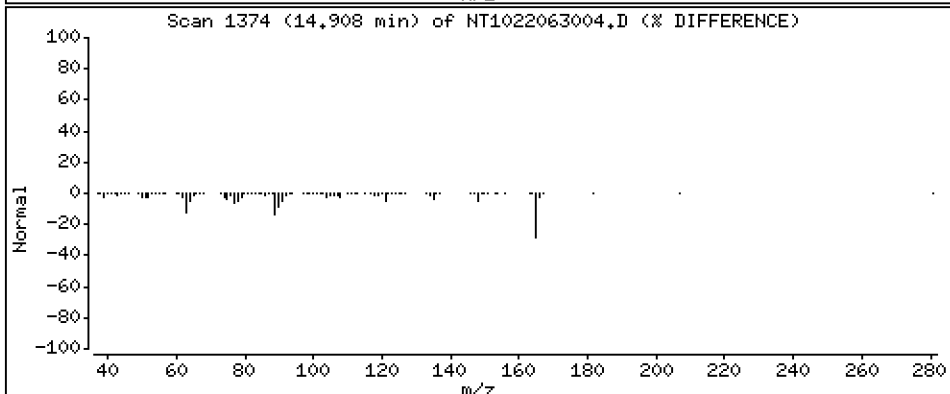
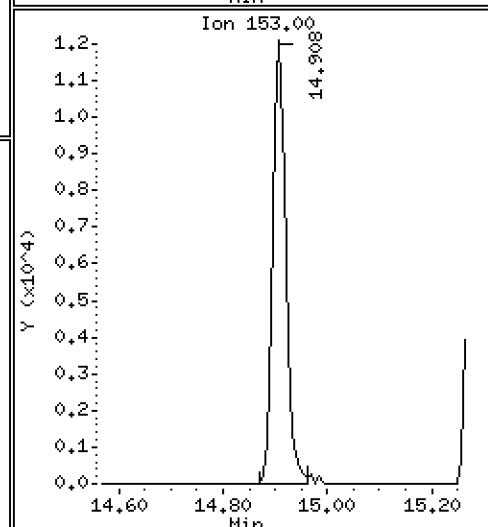
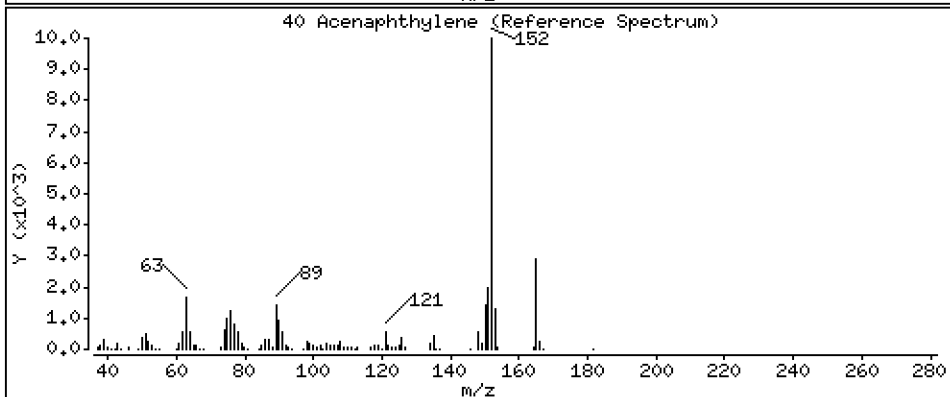
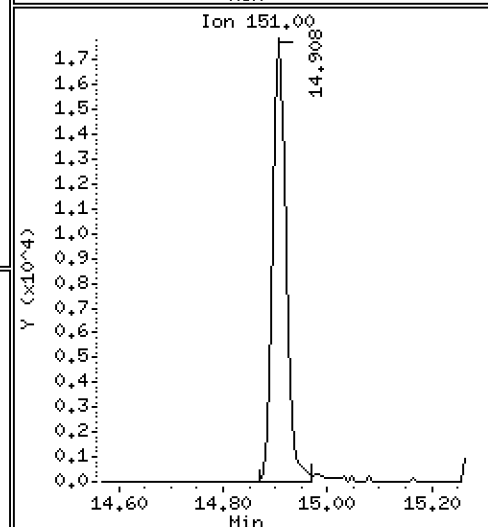
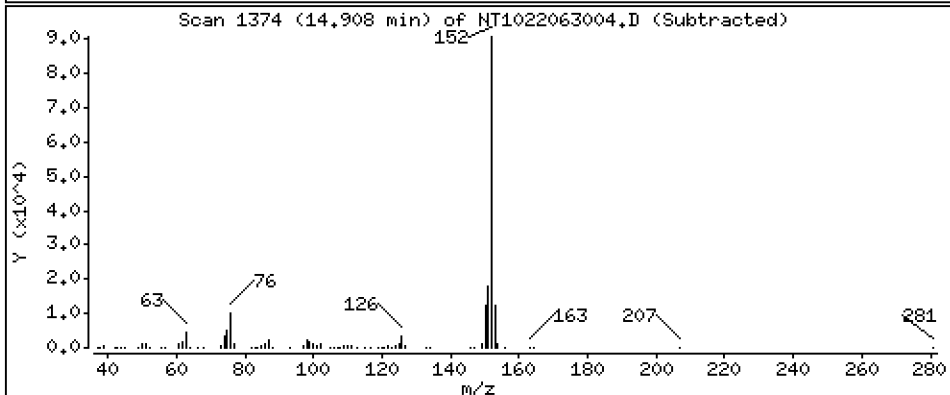
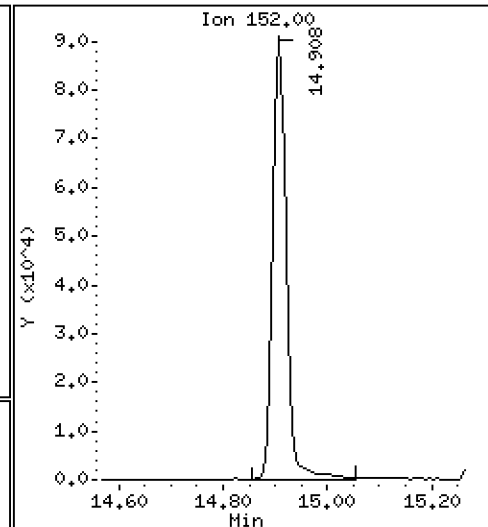
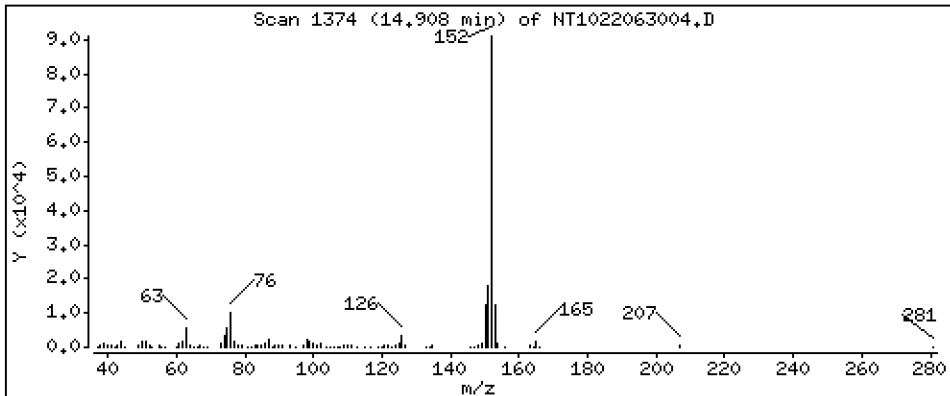
Operator: VTS

Column phase: ZB-5msi

Column diameter: 0,25

40 Acenaphthylene

Concentration: 0,5245 ug/mL



Date : 30-JUN-2022 15:27

Client ID:

Instrument: nt10.i

Sample Info: SKG0010-LCV1

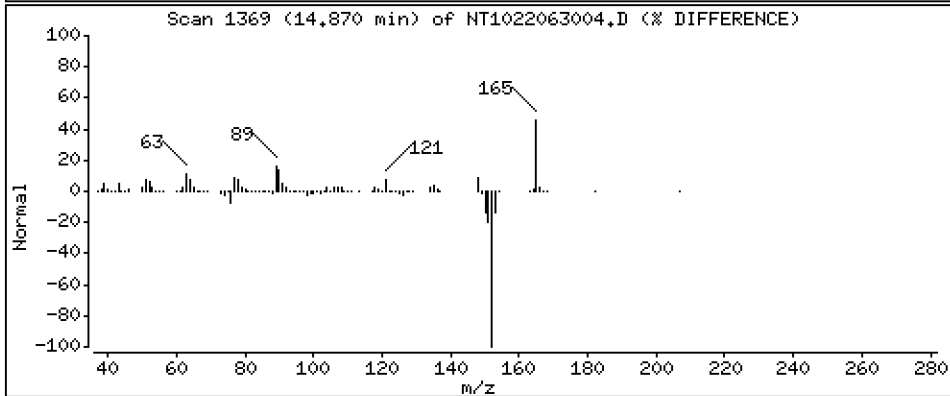
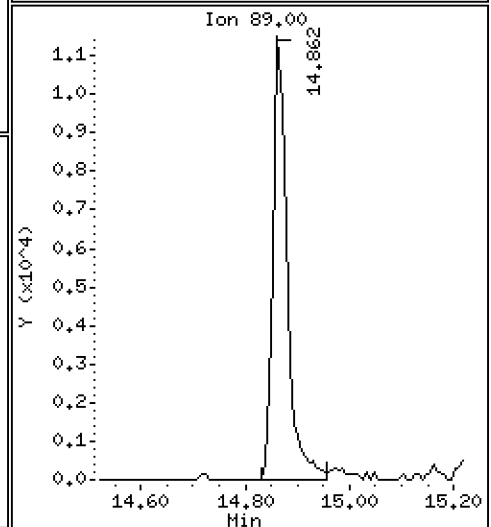
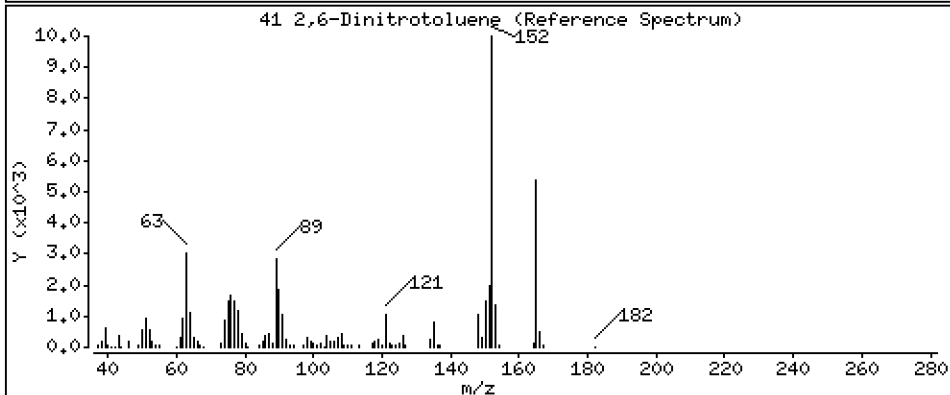
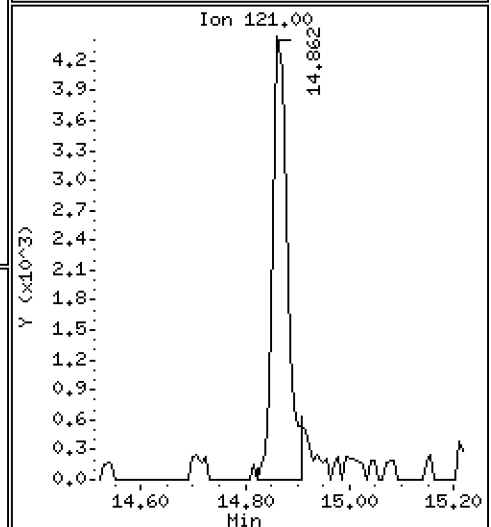
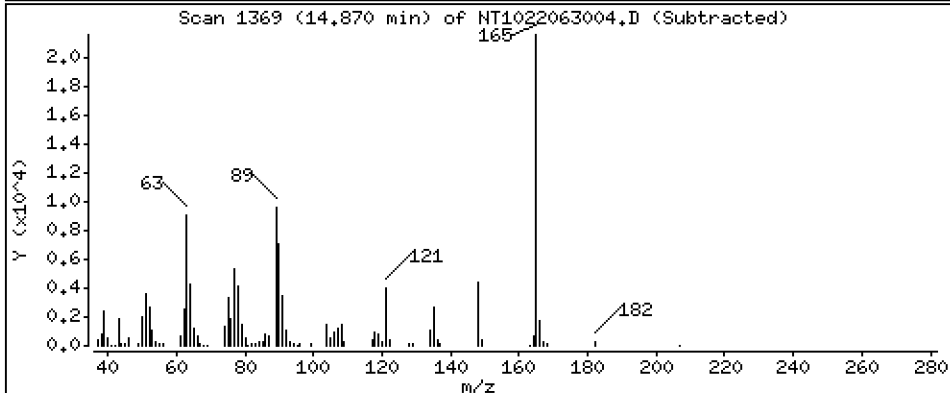
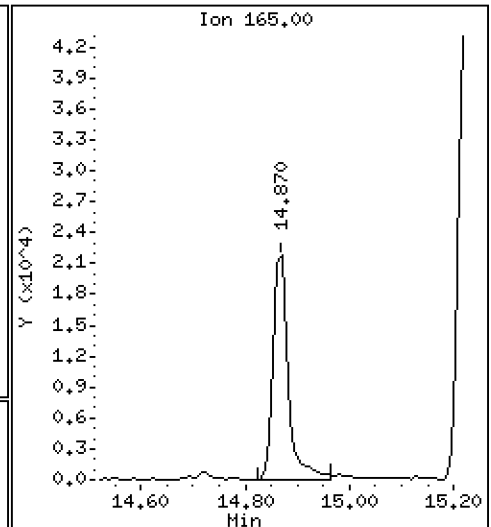
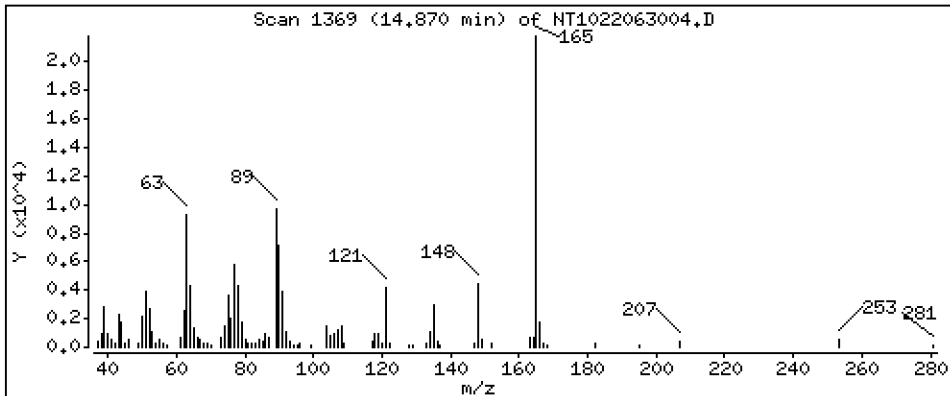
Operator: VTS

Column phase: ZB-5msi

Column diameter: 0,25

41 2,6-Dinitrotoluene

Concentration: 0,9381 ug/mL



Date : 30-JUN-2022 15:27

Client ID:

Instrument: nt10.i

Sample Info: SKG0010-LCV1

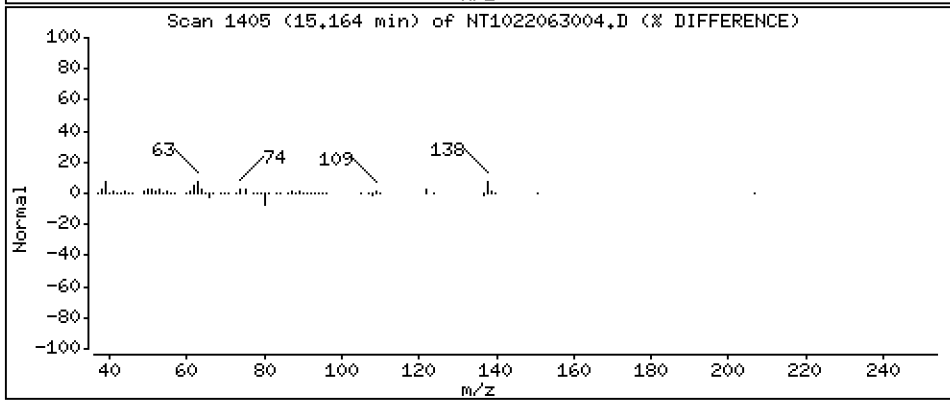
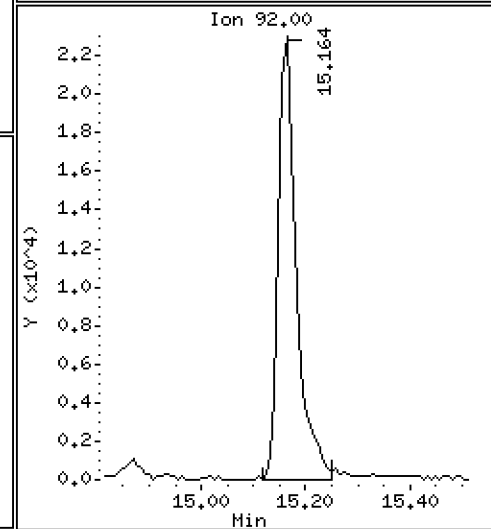
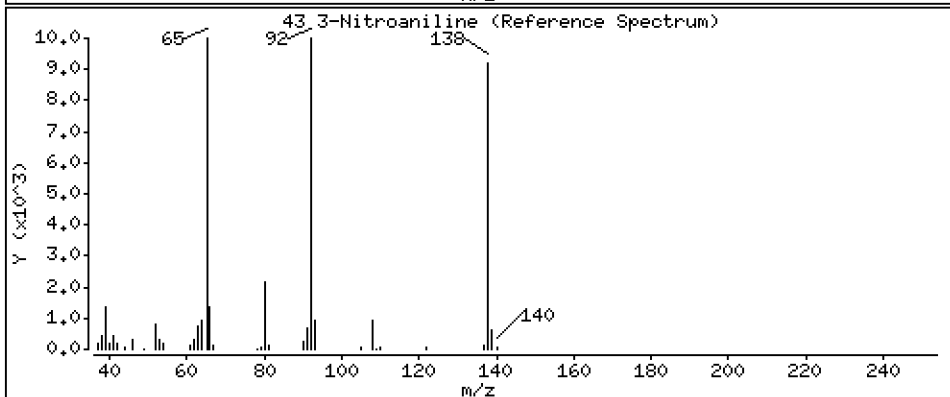
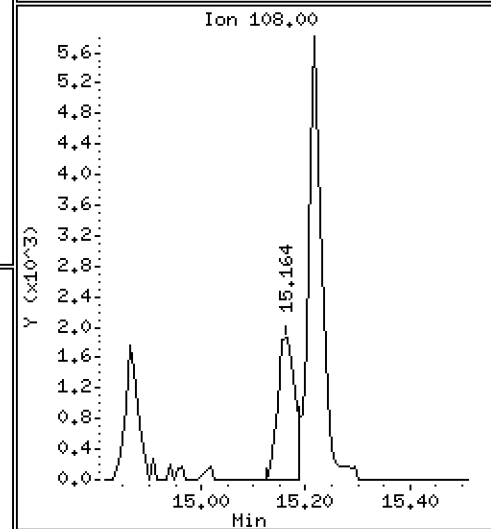
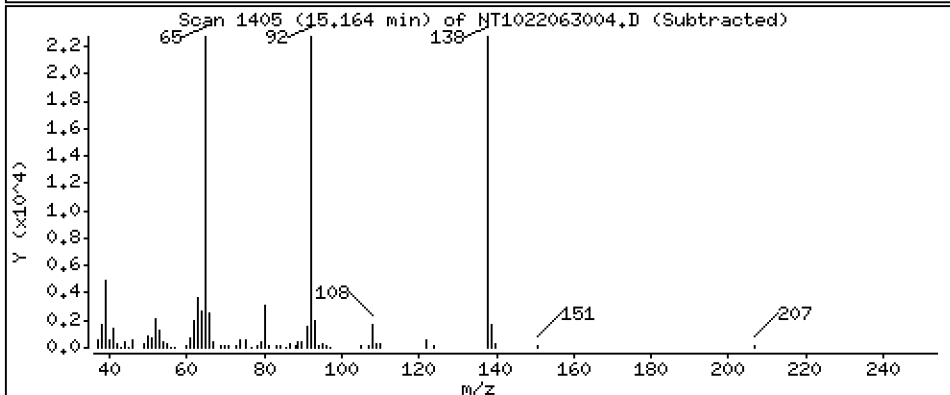
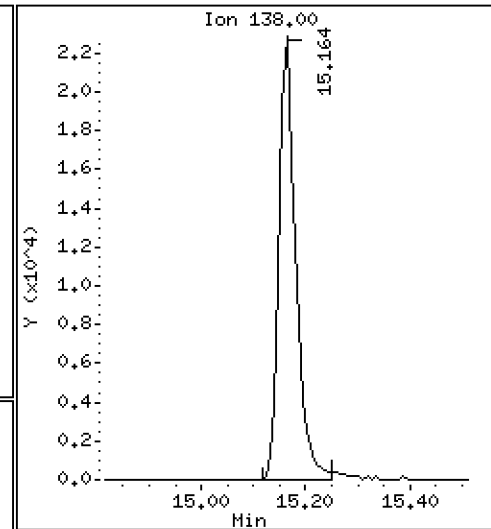
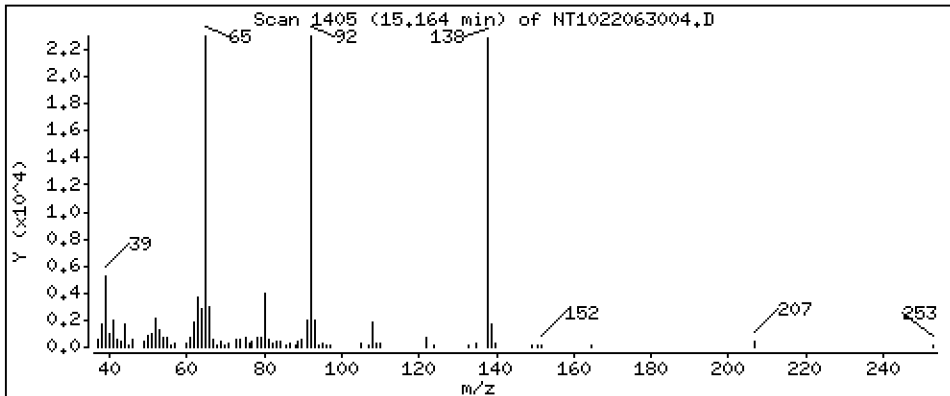
Operator: VTS

Column phase: ZB-5msi

Column diameter: 0,25

43 3-Nitroaniline

Concentration: 0,9192 ug/mL



Date : 30-JUN-2022 15:27

Client ID:

Instrument: nt10.i

Sample Info: SKG0010-LCV1

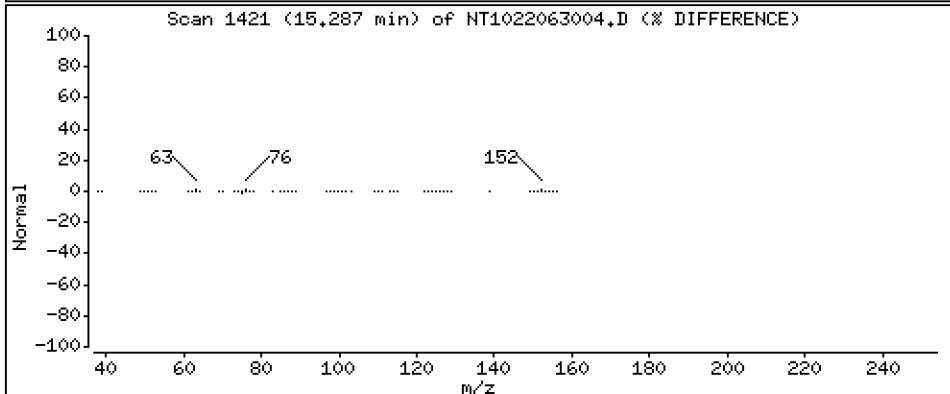
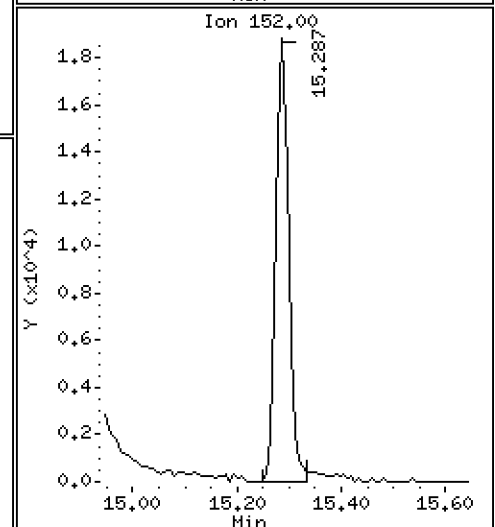
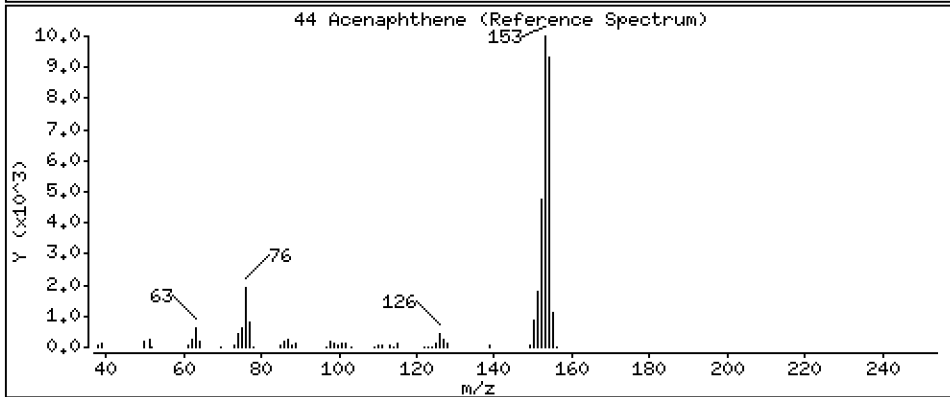
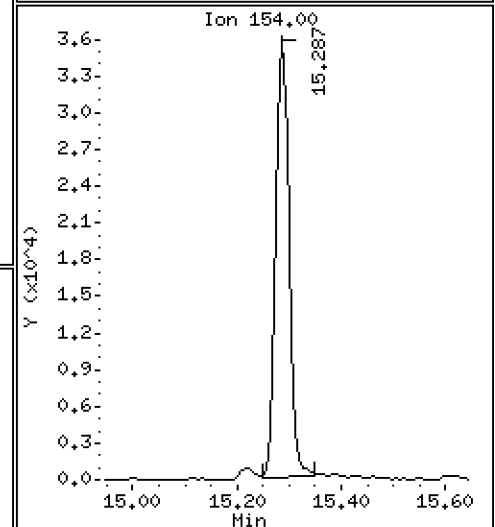
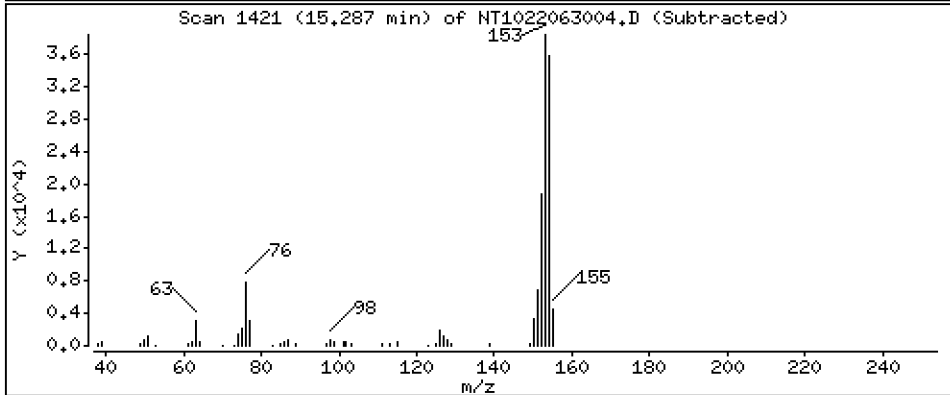
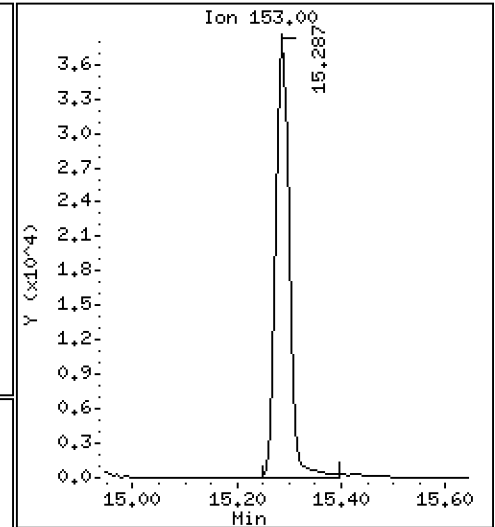
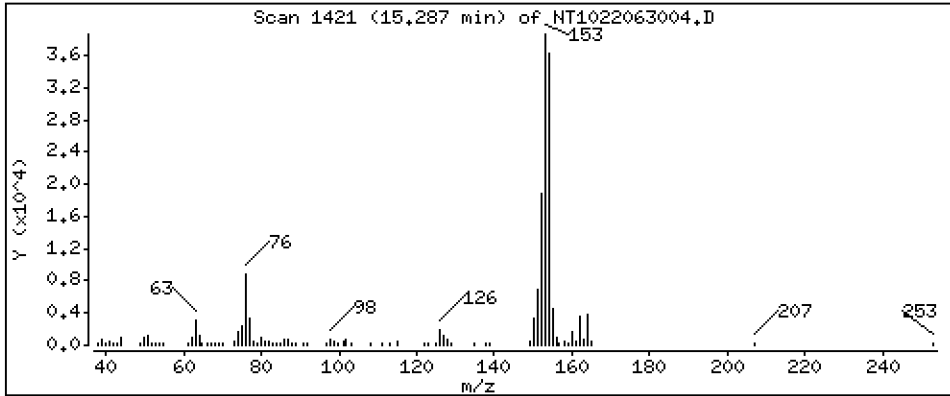
Operator: VTS

Column phase: ZB-5msi

Column diameter: 0,25

44 Acenaphthene

Concentration: 0,4101 ug/mL



Date : 30-JUN-2022 15:27

Client ID:

Instrument: nt10.i

Sample Info: SKG0010-LCV1

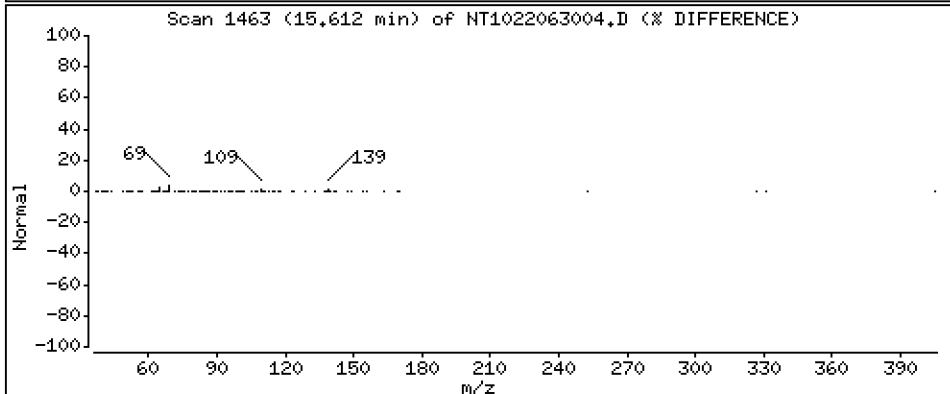
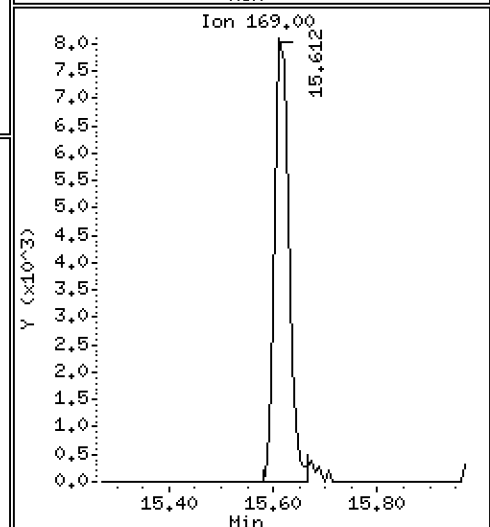
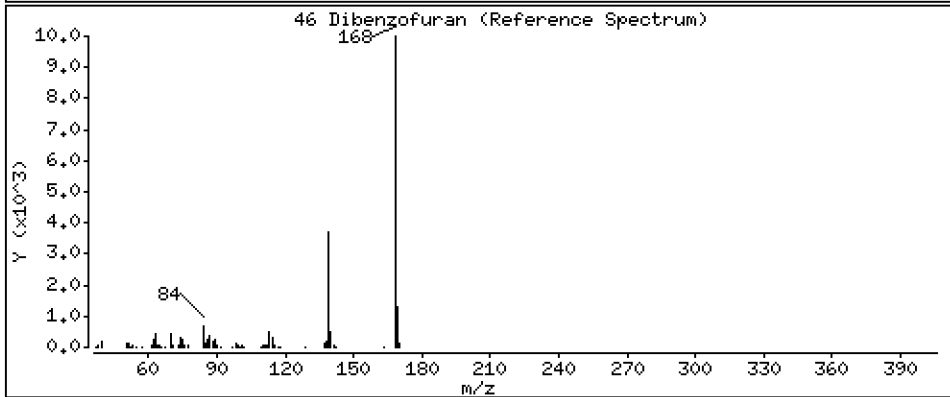
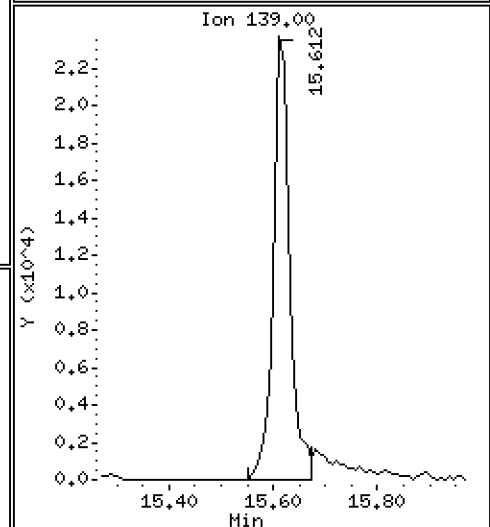
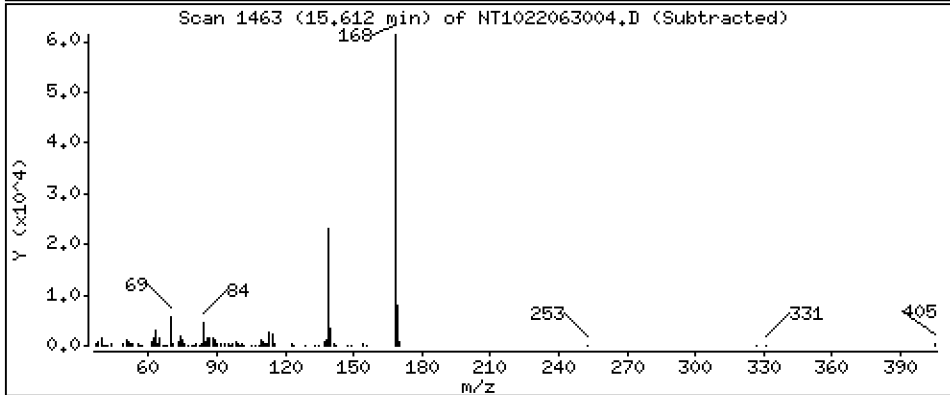
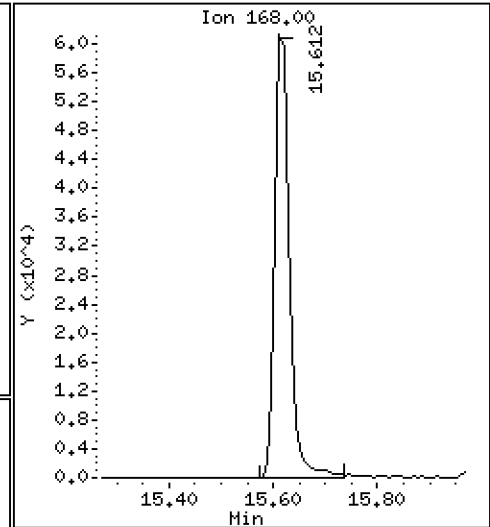
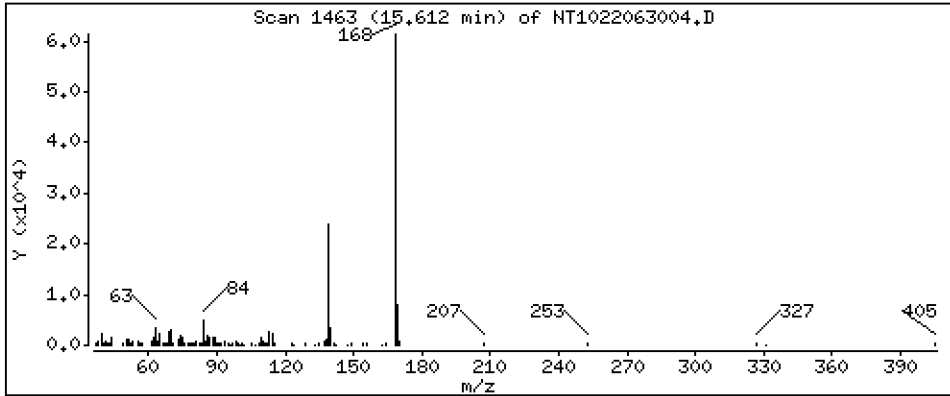
Operator: VTS

Column phase: ZB-5msi

Column diameter: 0,25

46 Dibenzofuran

Concentration: 0,4425 ug/mL



Date : 30-JUN-2022 15:27

Client ID:

Instrument: nt10.i

Sample Info: SKG0010-LCV1

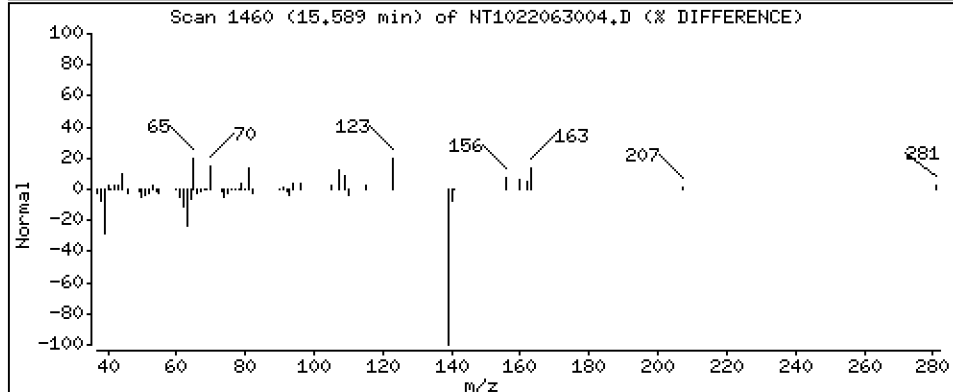
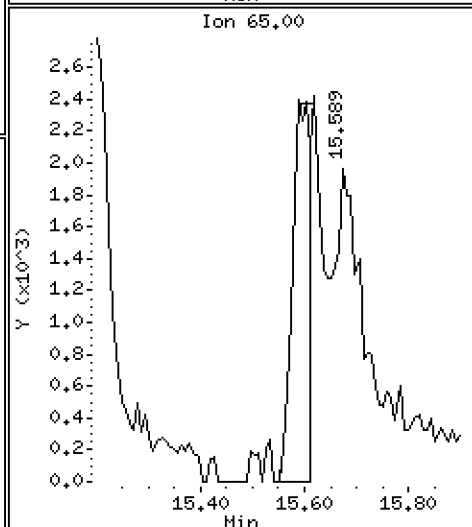
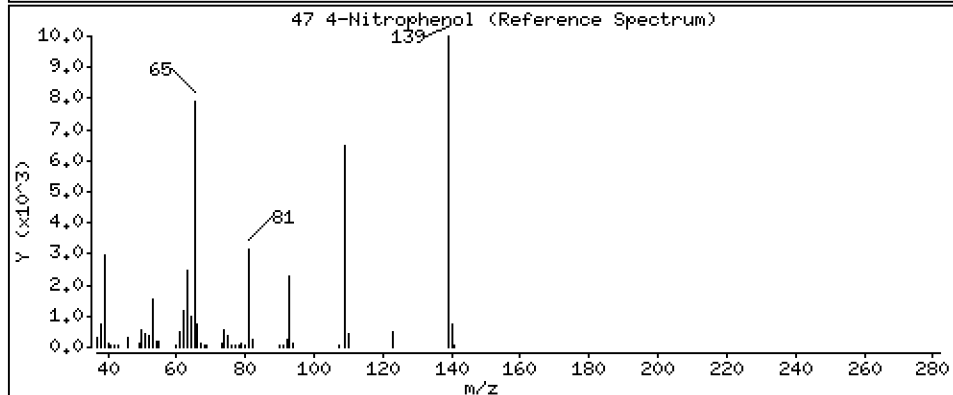
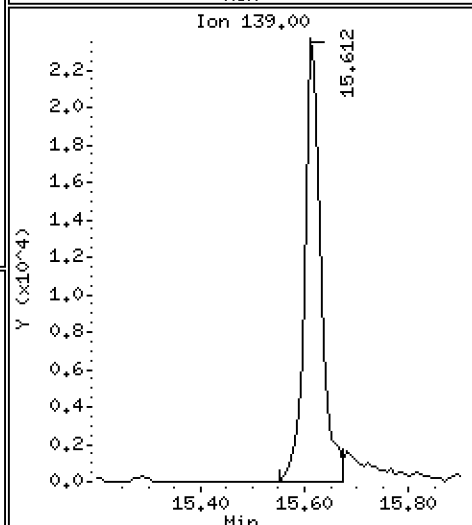
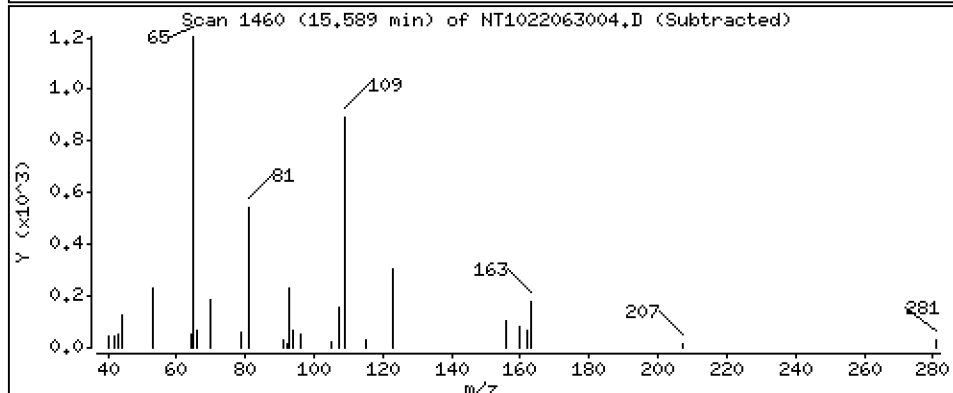
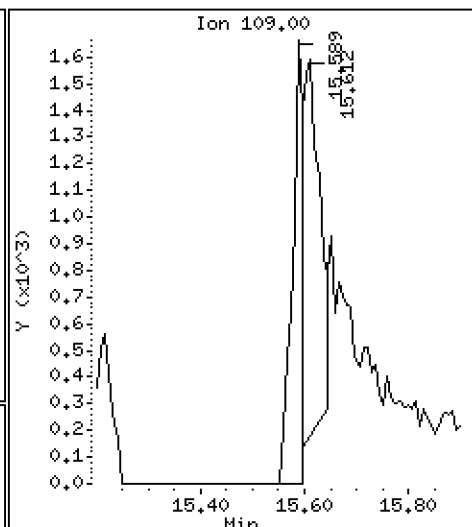
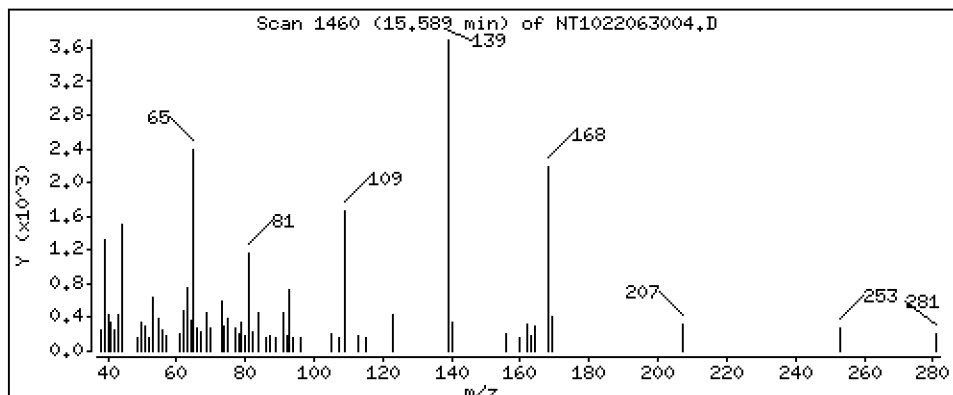
Operator: VTS

Column phase: ZB-5msi

Column diameter: 0,25

47 4-Nitrophenol

Concentration: 0,1427 ug/mL



Date : 30-JUN-2022 15:27

Client ID:

Instrument: nt10.i

Sample Info: SKG0010-LCV1

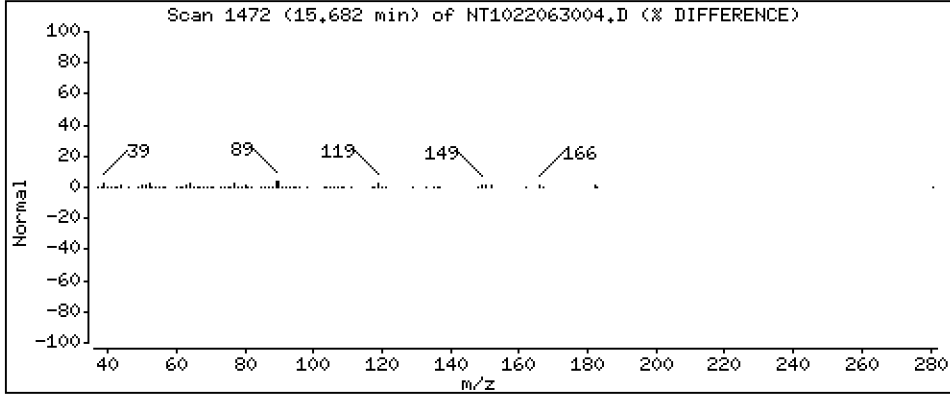
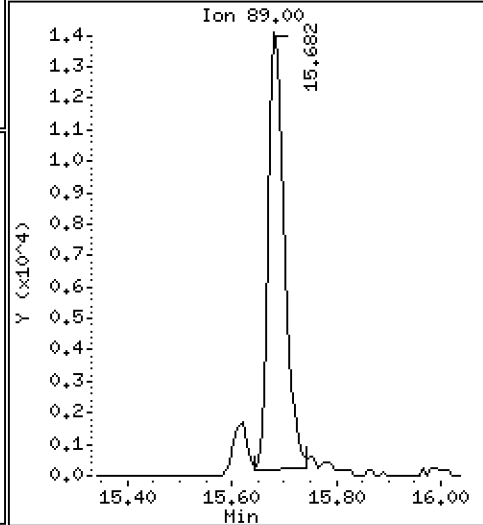
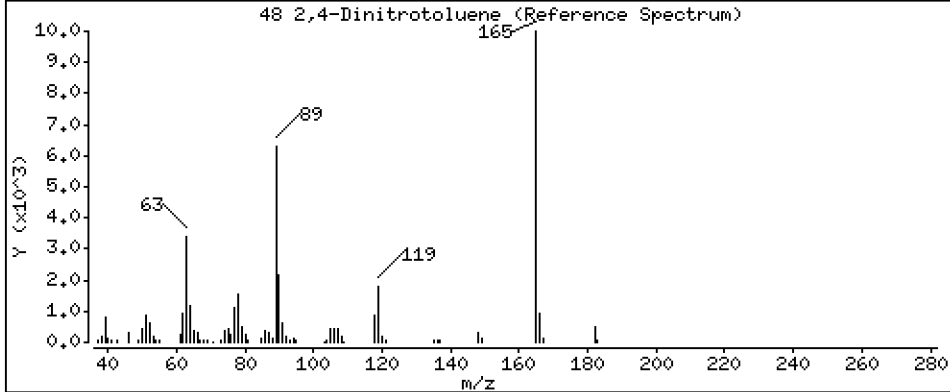
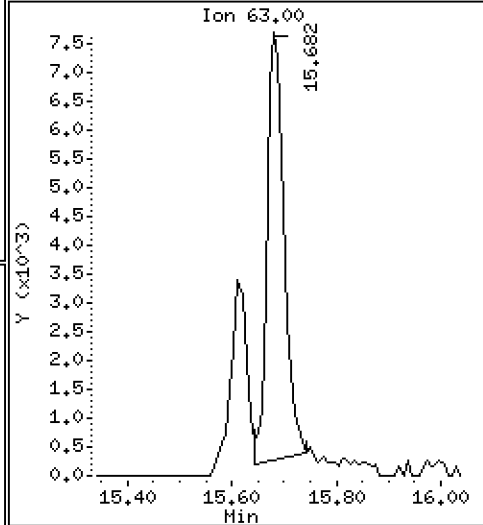
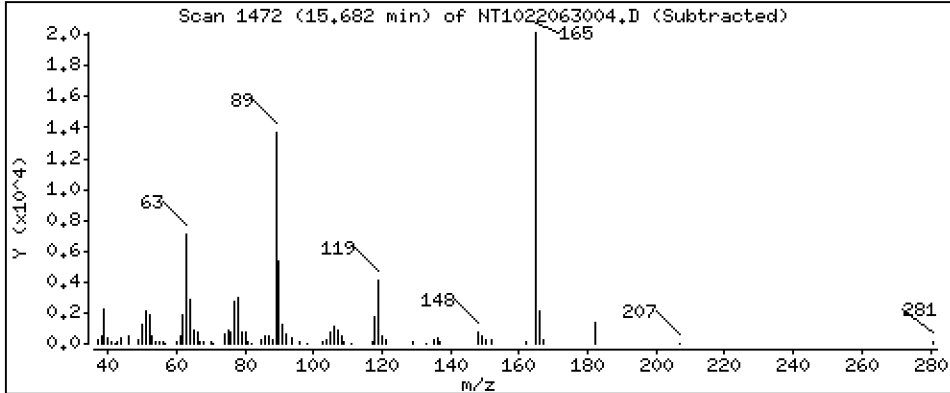
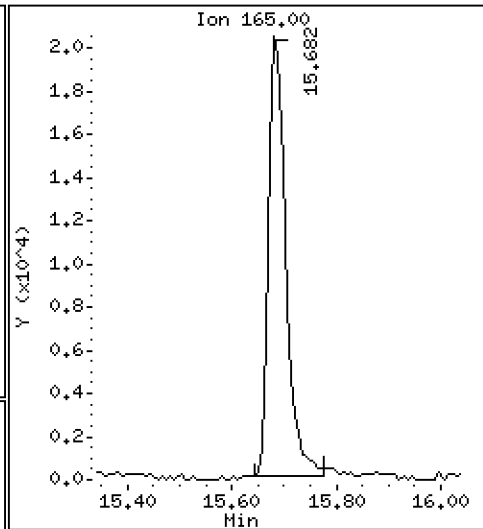
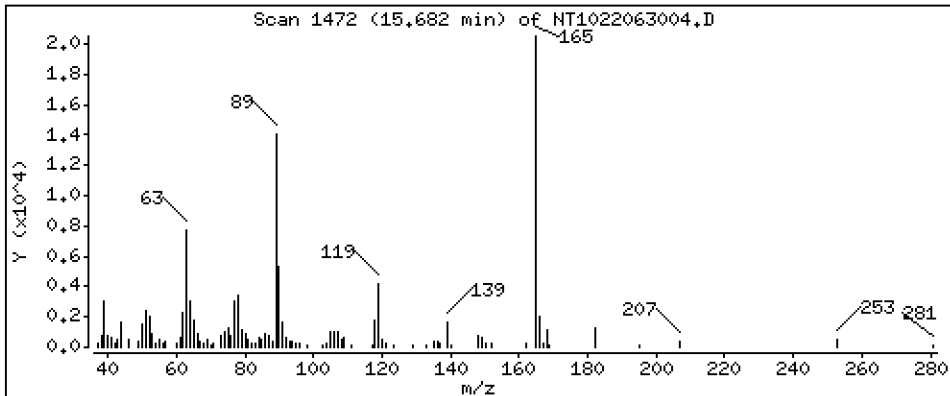
Operator: VTS

Column phase: ZB-5msi

Column diameter: 0,25

48 2,4-Dinitrotoluene

Concentration: 0,7489 ug/mL



Date : 30-JUN-2022 15:27

Client ID:

Instrument: nt10.i

Sample Info: SKG0010-LCV1

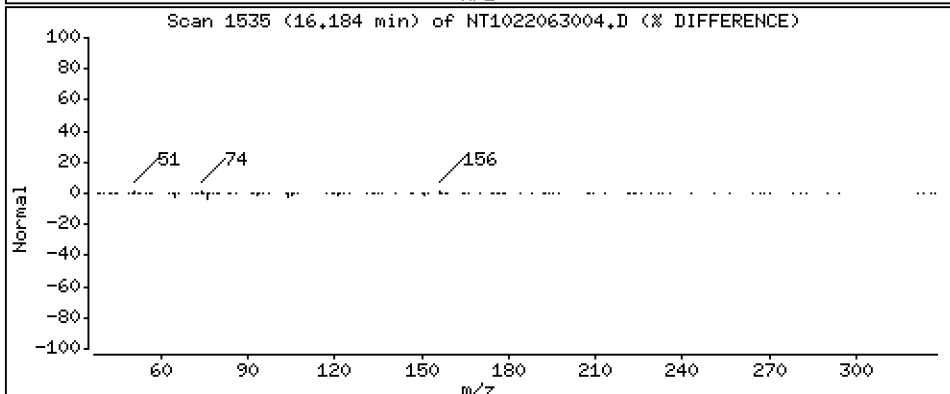
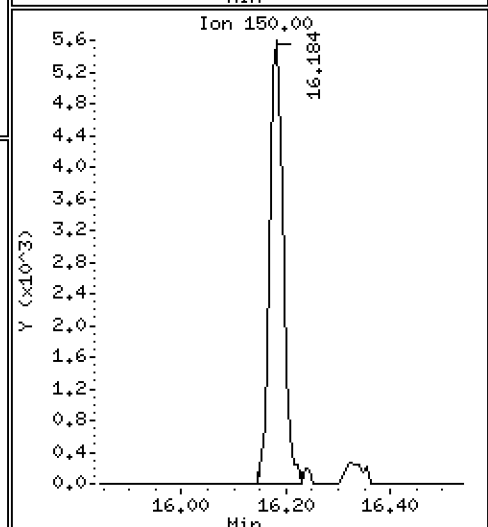
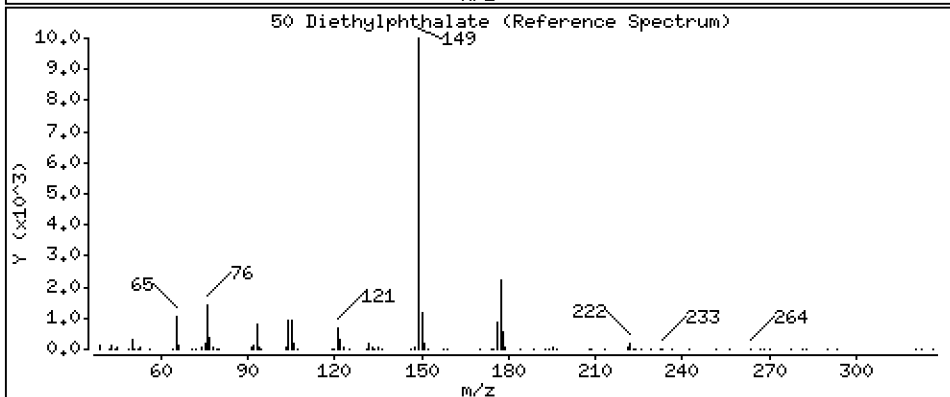
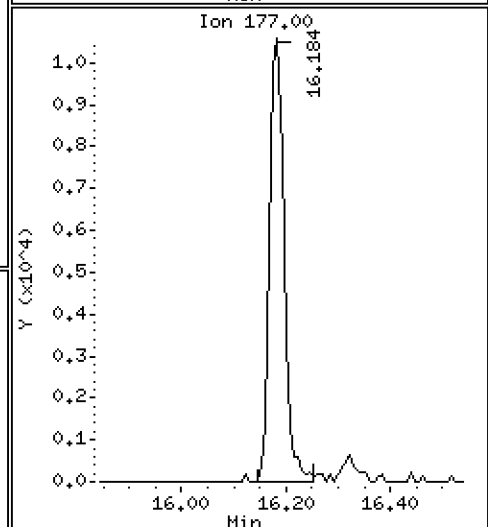
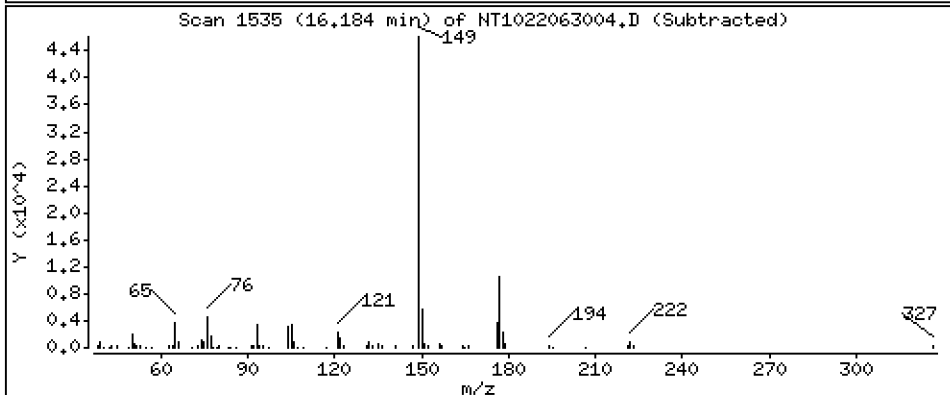
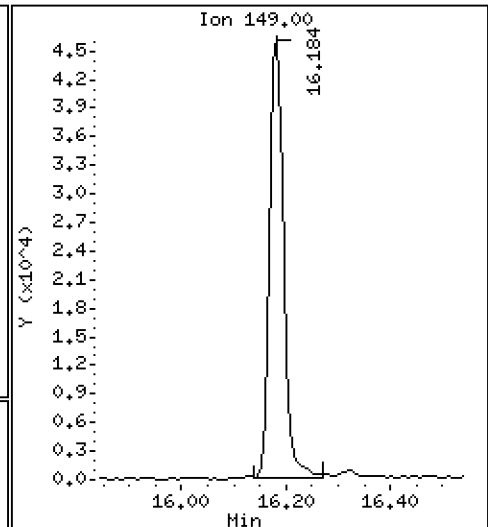
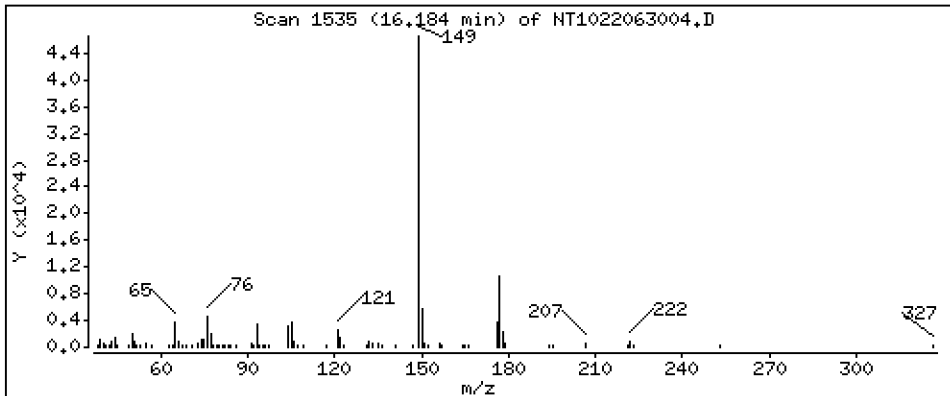
Operator: VTS

Column phase: ZB-5msi

Column diameter: 0,25

50 Diethylphthalate

Concentration: 0,4916 ug/mL



Date : 30-JUN-2022 15:27

Client ID:

Instrument: nt10.i

Sample Info: SKG0010-LCV1

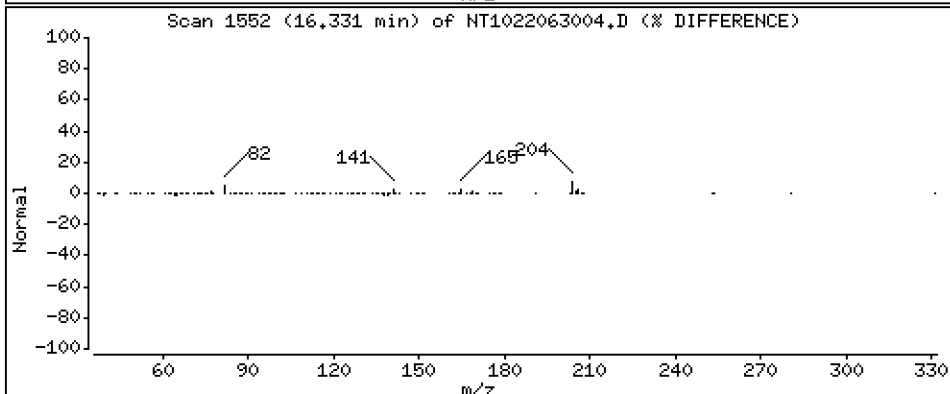
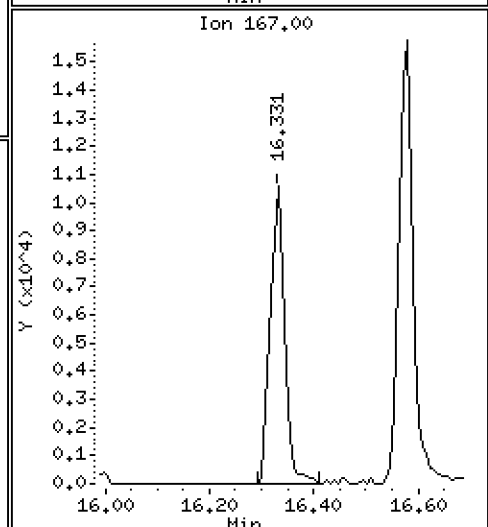
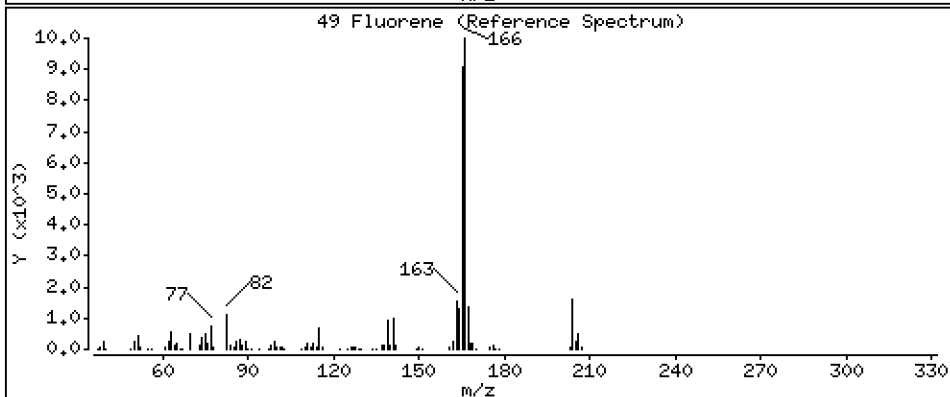
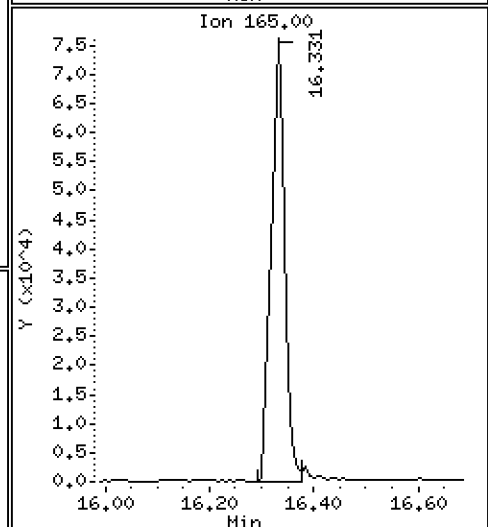
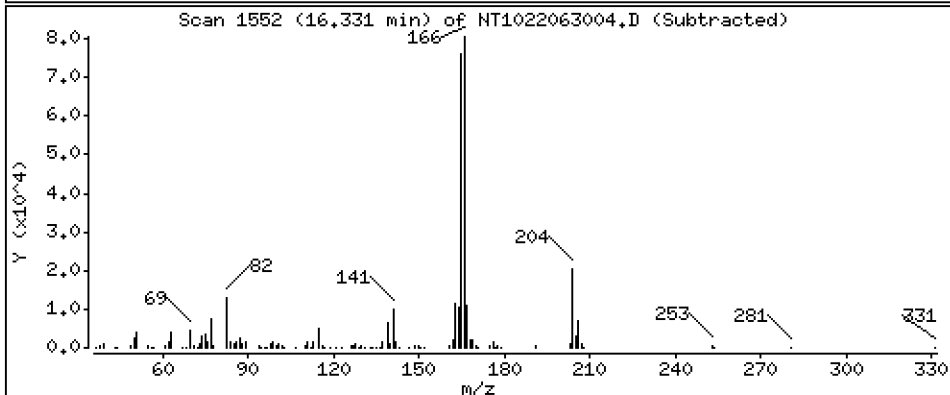
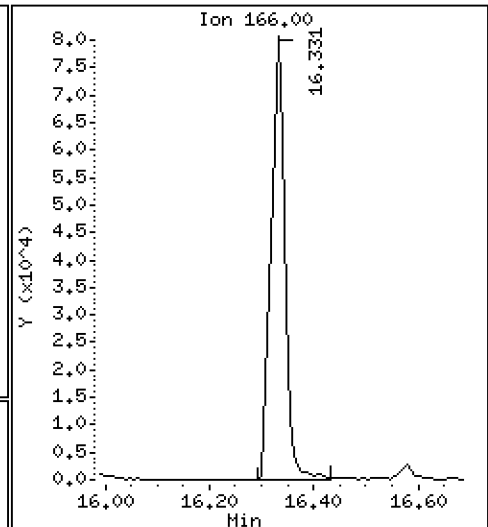
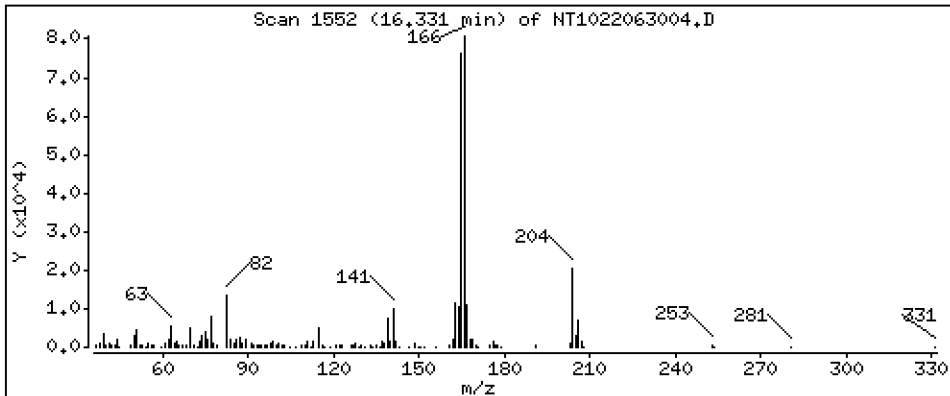
Operator: VTS

Column phase: ZB-5msi

Column diameter: 0,25

49 Fluorene

Concentration: 0,4284 ug/mL



Date : 30-JUN-2022 15:27

Client ID:

Instrument: nt10.i

Sample Info: SKG0010-LCV1

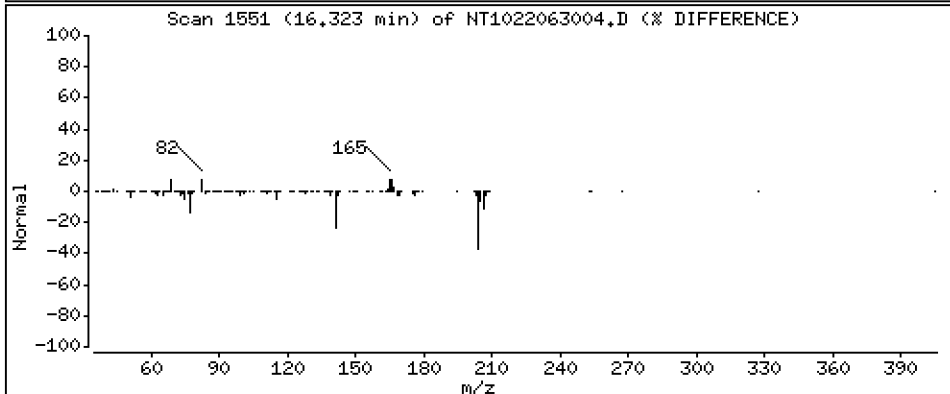
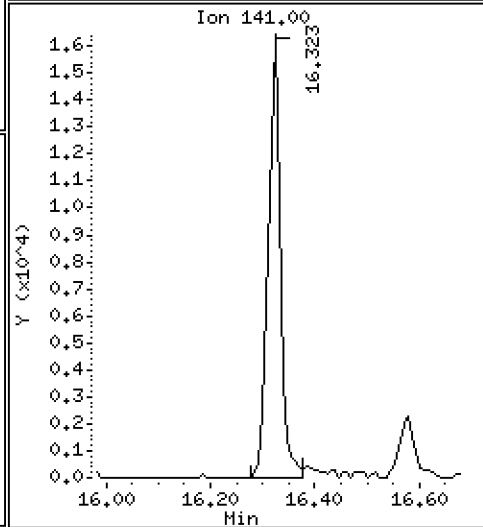
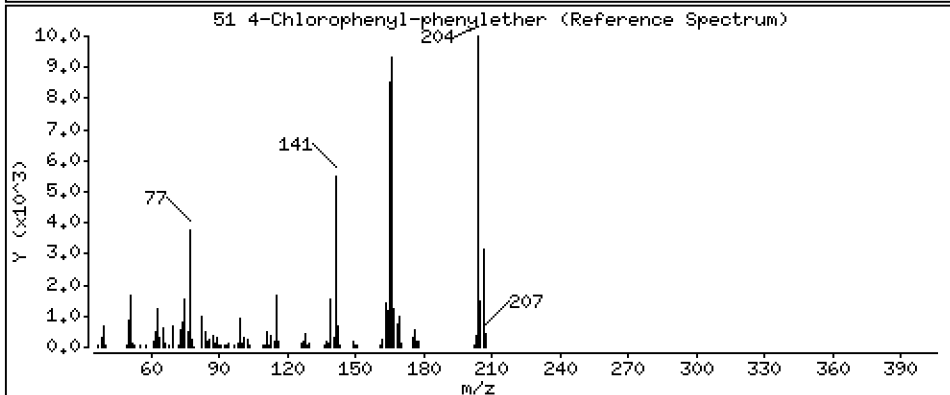
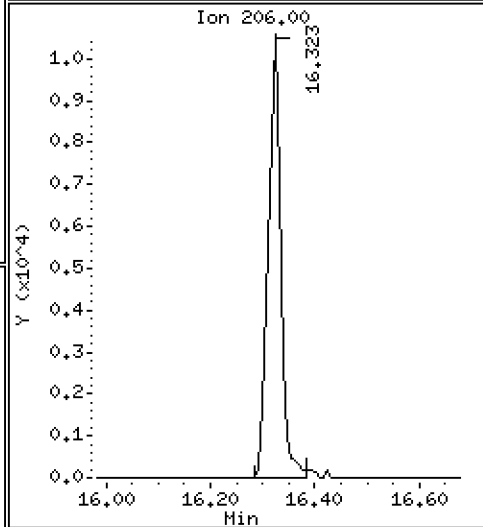
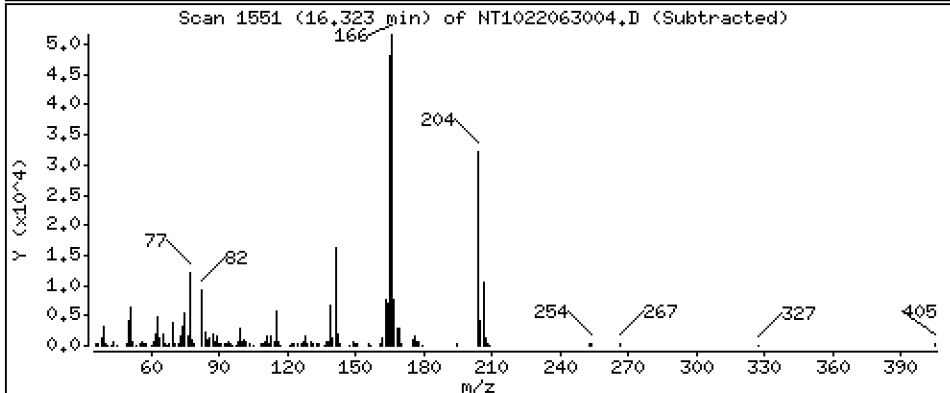
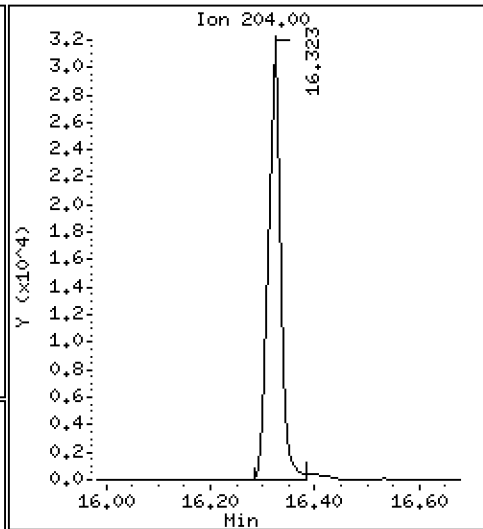
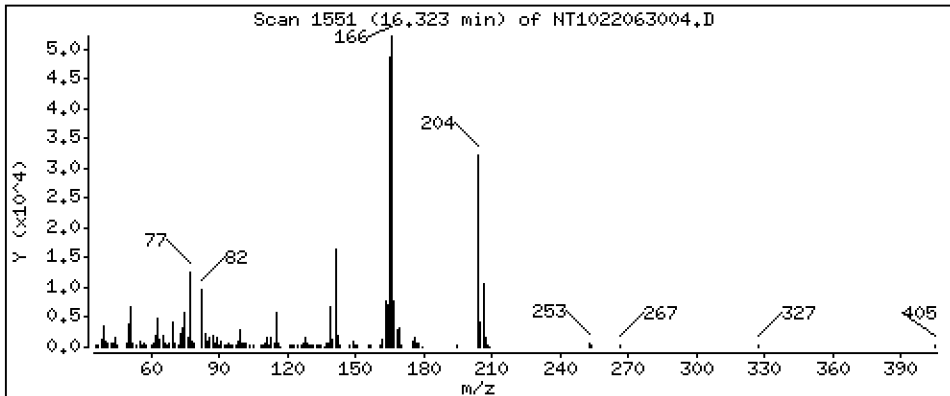
Operator: VTS

Column phase: ZB-5msi

Column diameter: 0,25

51 4-Chlorophenyl-phenylether

Concentration: 0,2931 ug/mL



Date : 30-JUN-2022 15:27

Client ID:

Instrument: nt10.i

Sample Info: SKG0010-LCV1

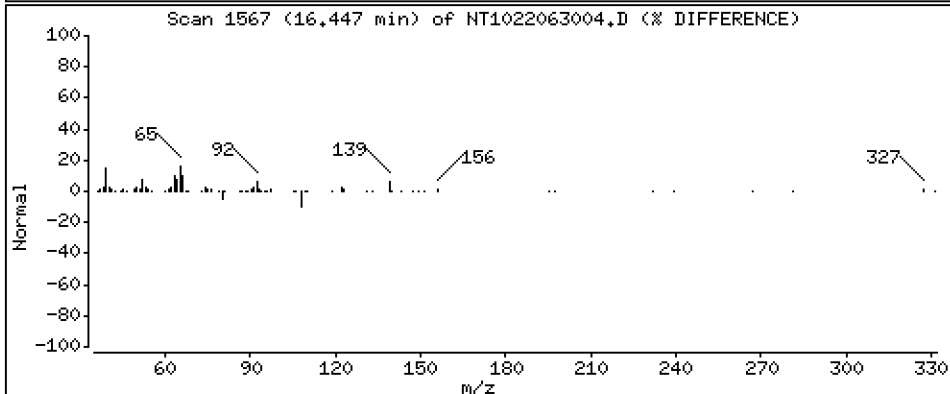
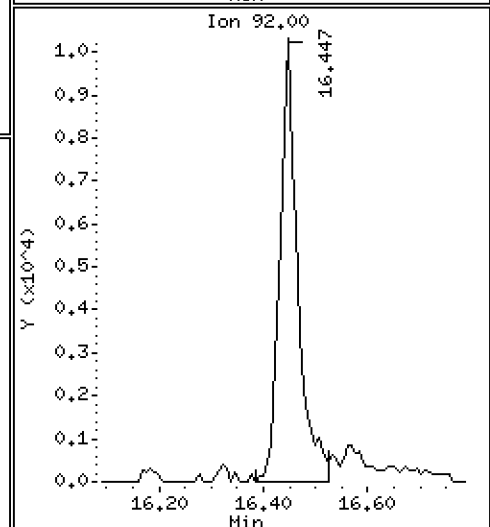
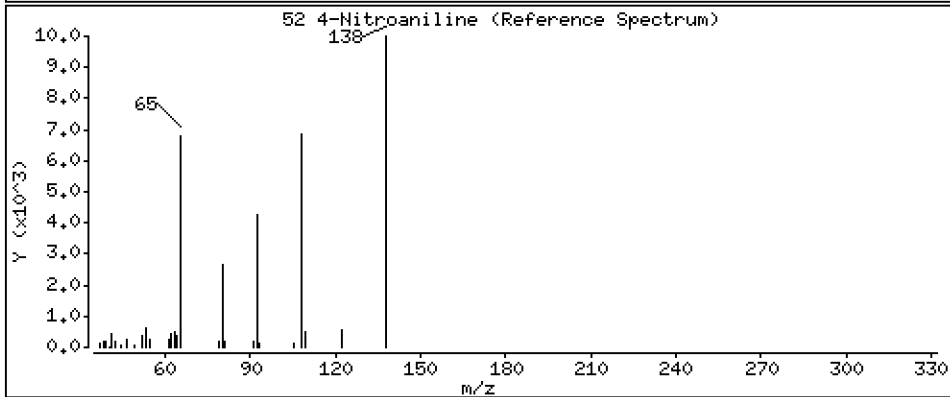
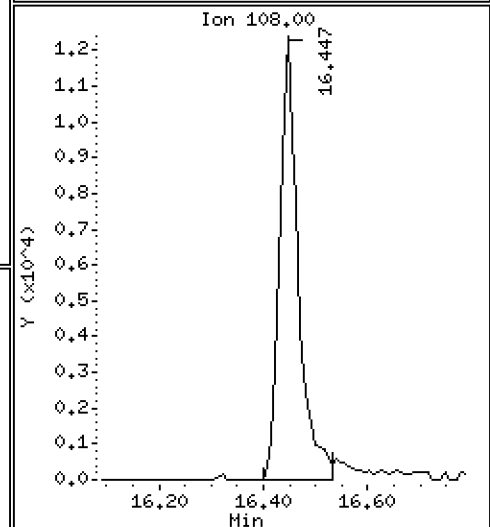
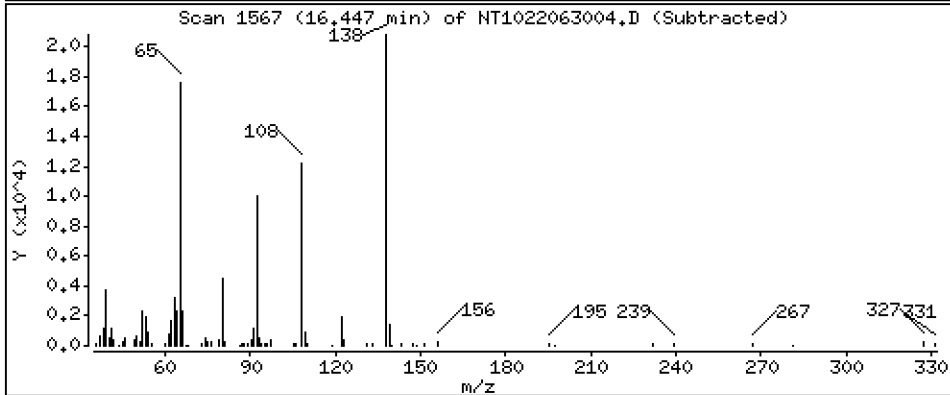
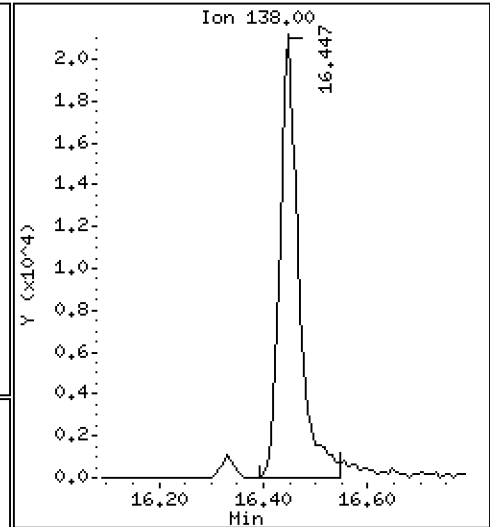
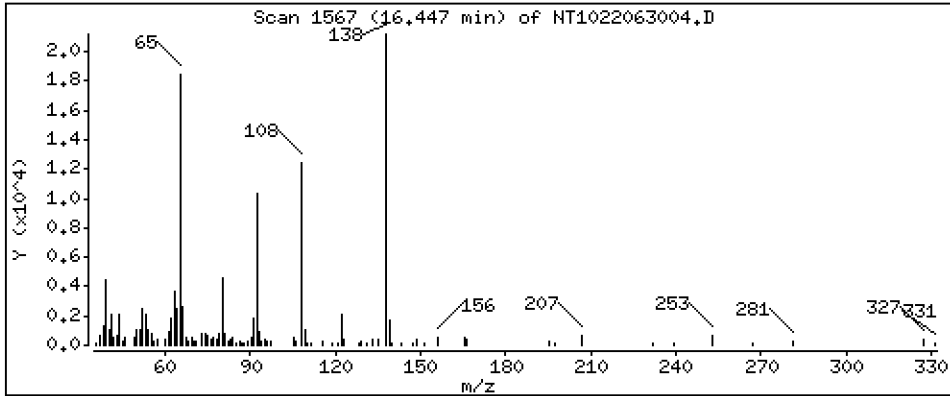
Operator: VTS

Column phase: ZB-5msi

Column diameter: 0,25

52 4-Nitroaniline

Concentration: 1,012 ug/mL



Date : 30-JUN-2022 15:27

Client ID:

Instrument: nt10.i

Sample Info: SKG0010-LCV1

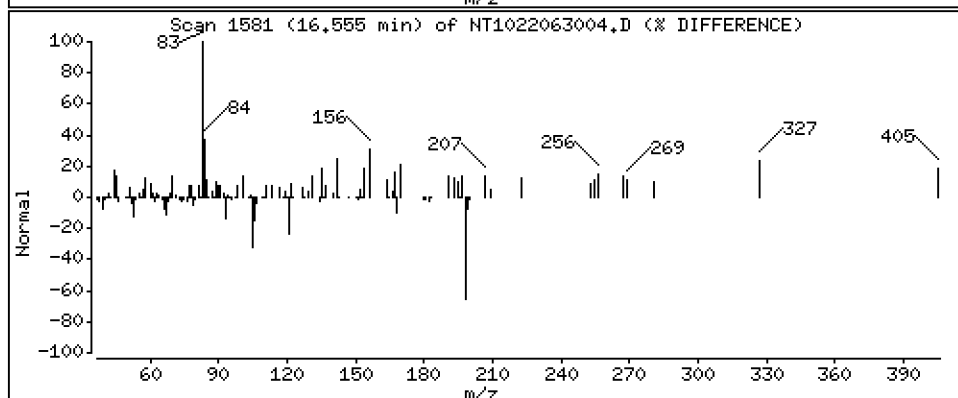
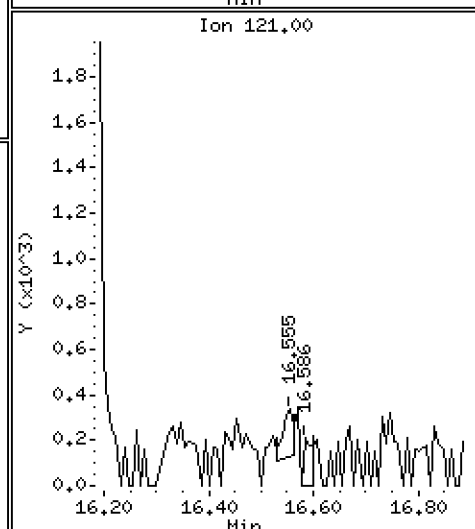
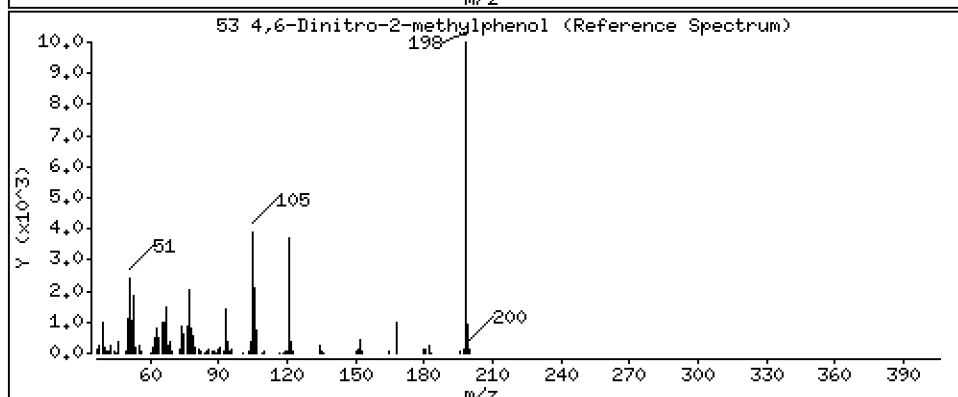
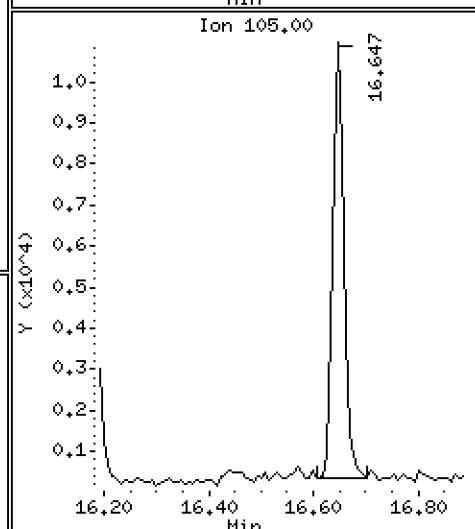
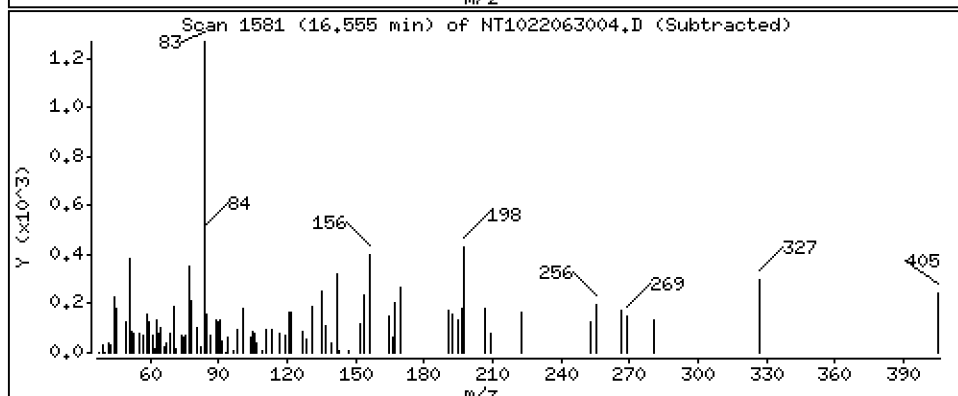
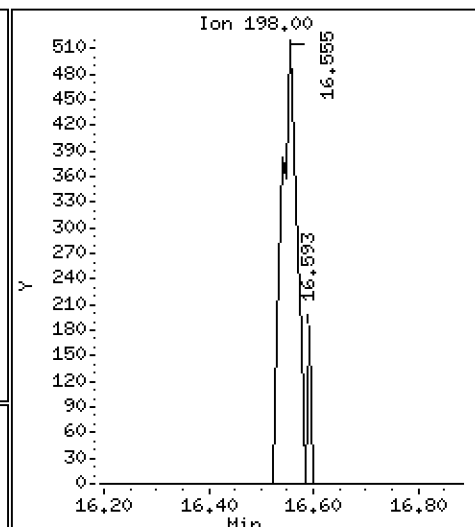
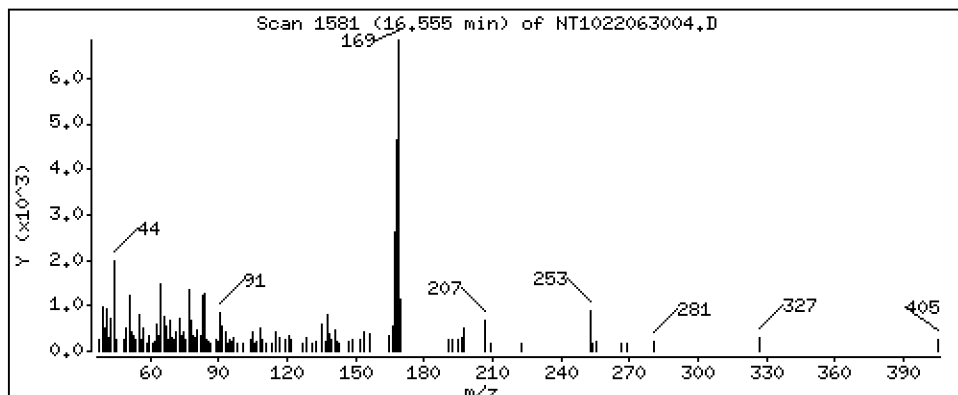
Operator: VTS

Column phase: ZB-5msi

Column diameter: 0,25

53 4,6-Dinitro-2-methylphenol

Concentration: 0,02645 ug/mL



Date : 30-JUN-2022 15:27

Client ID:

Instrument: nt10.i

Sample Info: SKG0010-LCV1

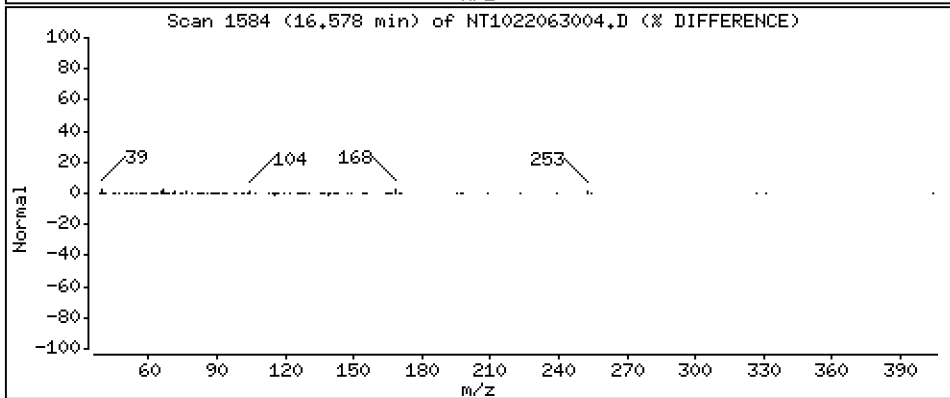
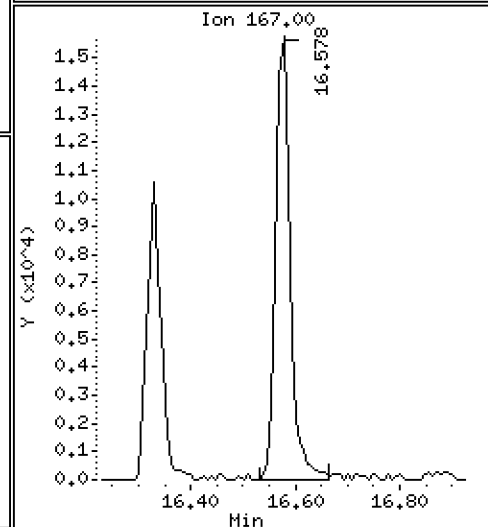
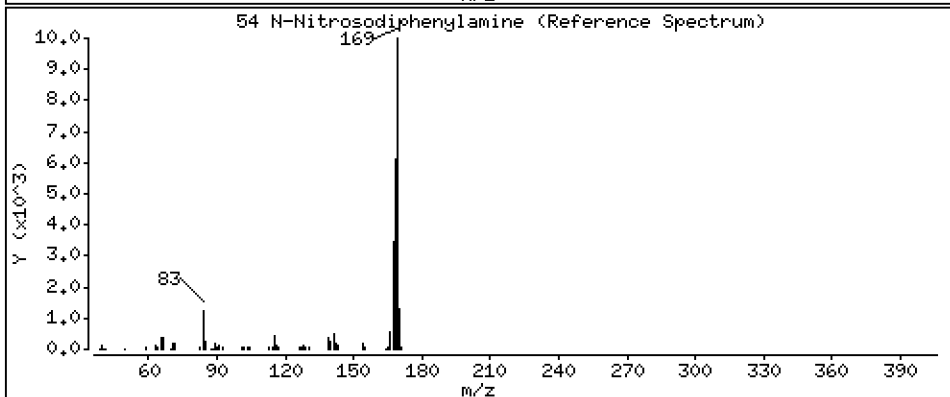
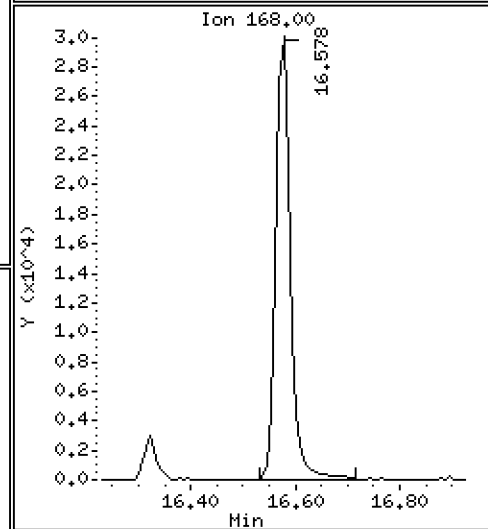
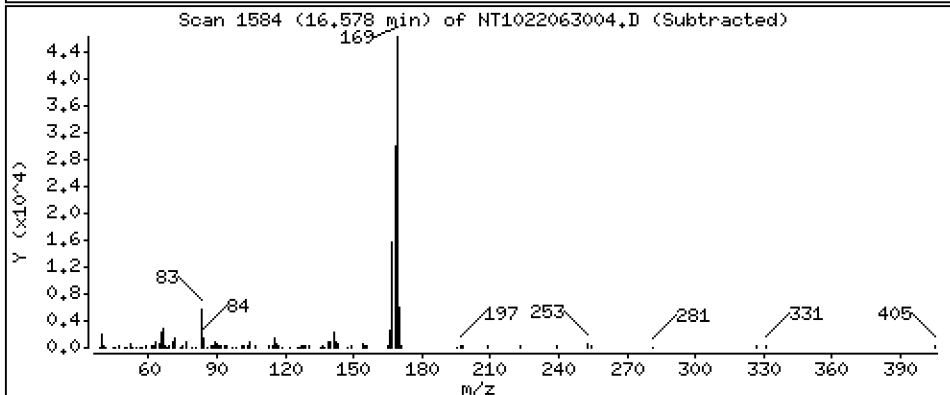
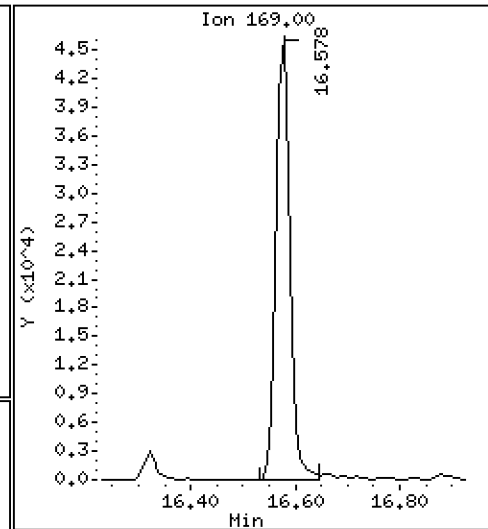
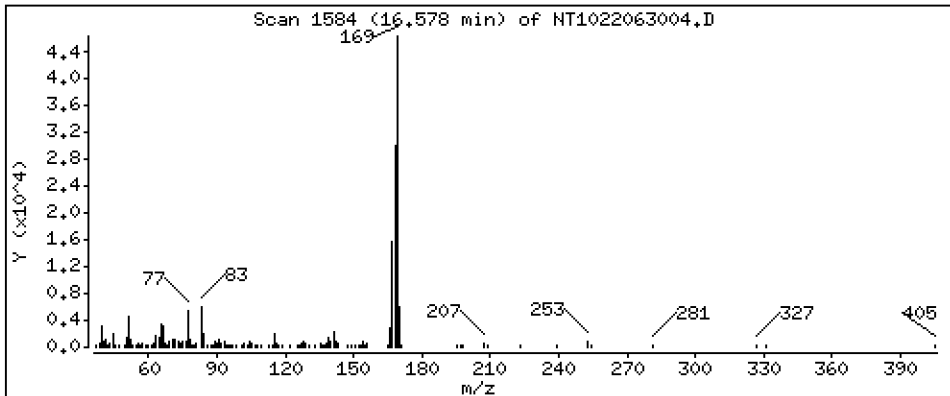
Operator: VTS

Column phase: ZB-5msi

Column diameter: 0,25

54 N-Nitrosodiphenylamine

Concentration: 0,5115 ug/mL



Date : 30-JUN-2022 15:27

Client ID:

Instrument: nt10.i

Sample Info: SKG0010-LCV1

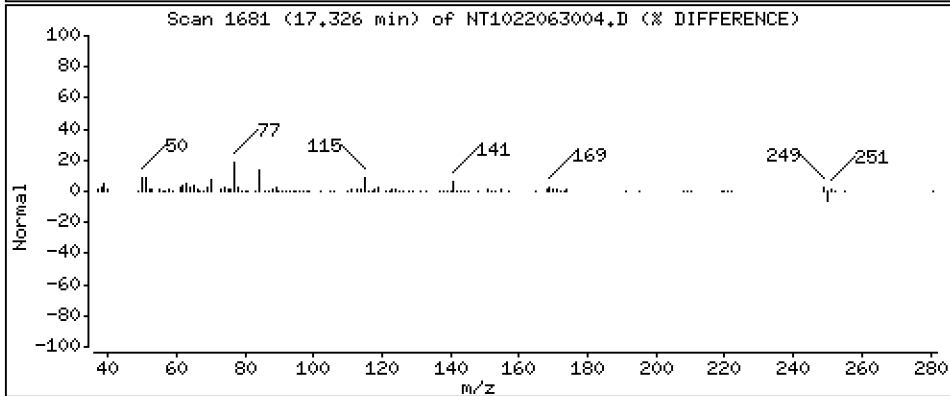
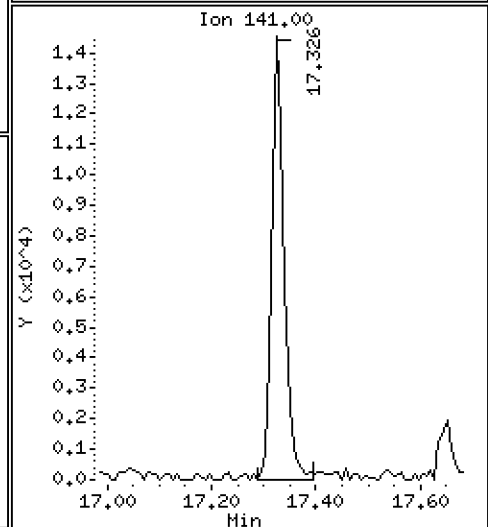
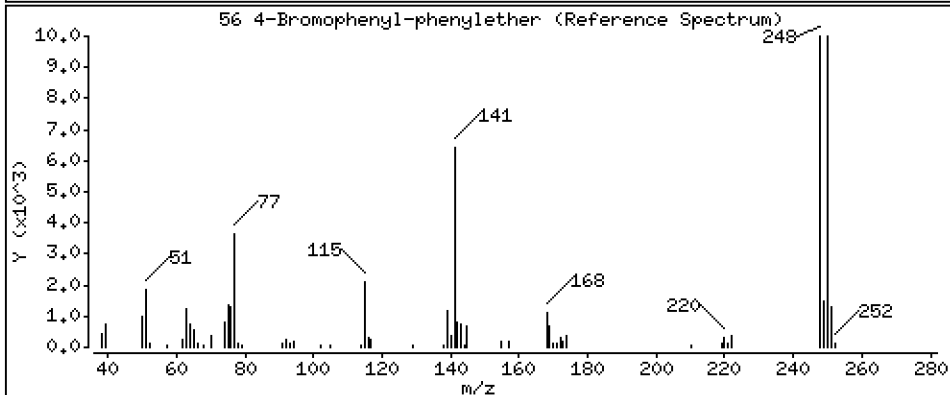
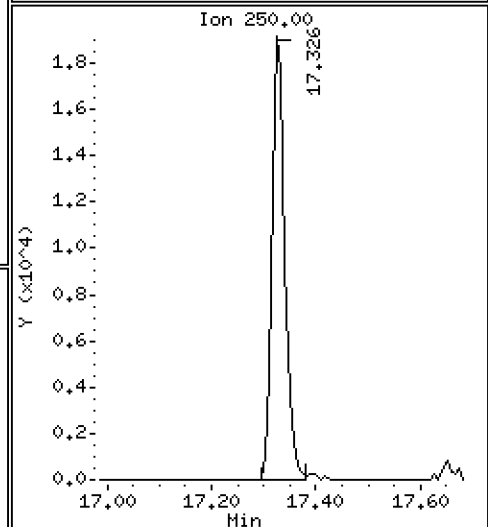
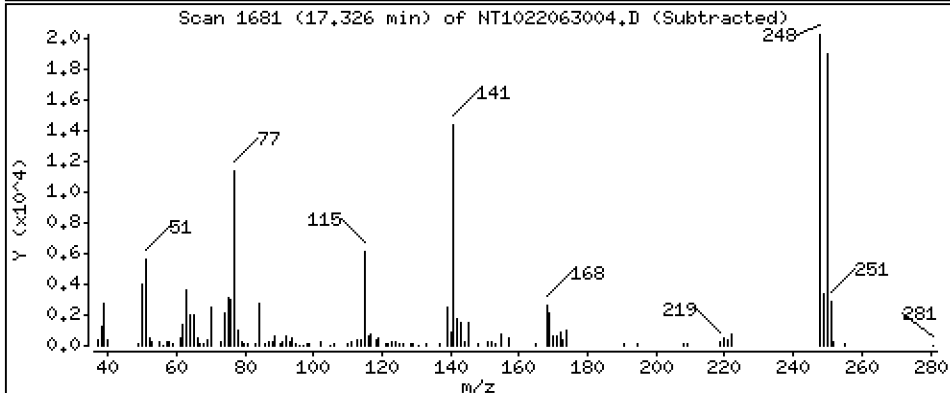
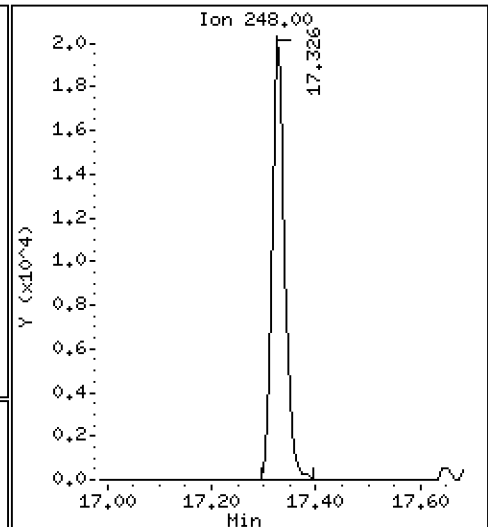
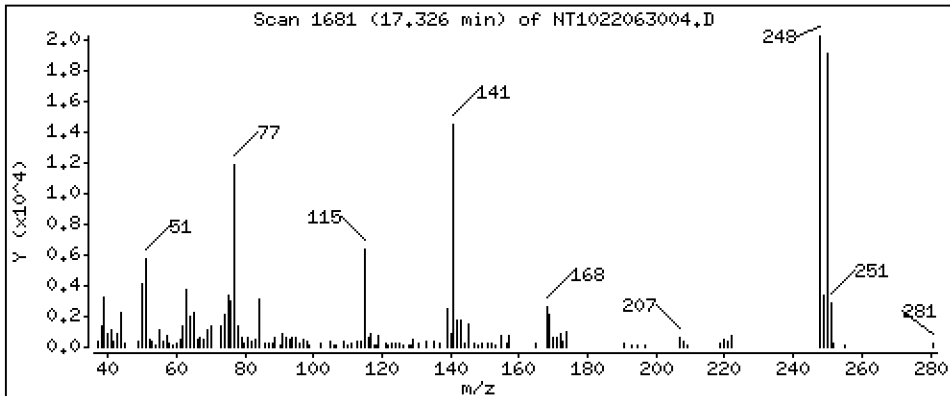
Operator: VTS

Column phase: ZB-5msi

Column diameter: 0,25

56 4-Bromophenyl-phenylether

Concentration: 0,4606 ug/mL



Date : 30-JUN-2022 15:27

Client ID:

Instrument: nt10.i

Sample Info: SKG0010-LCV1

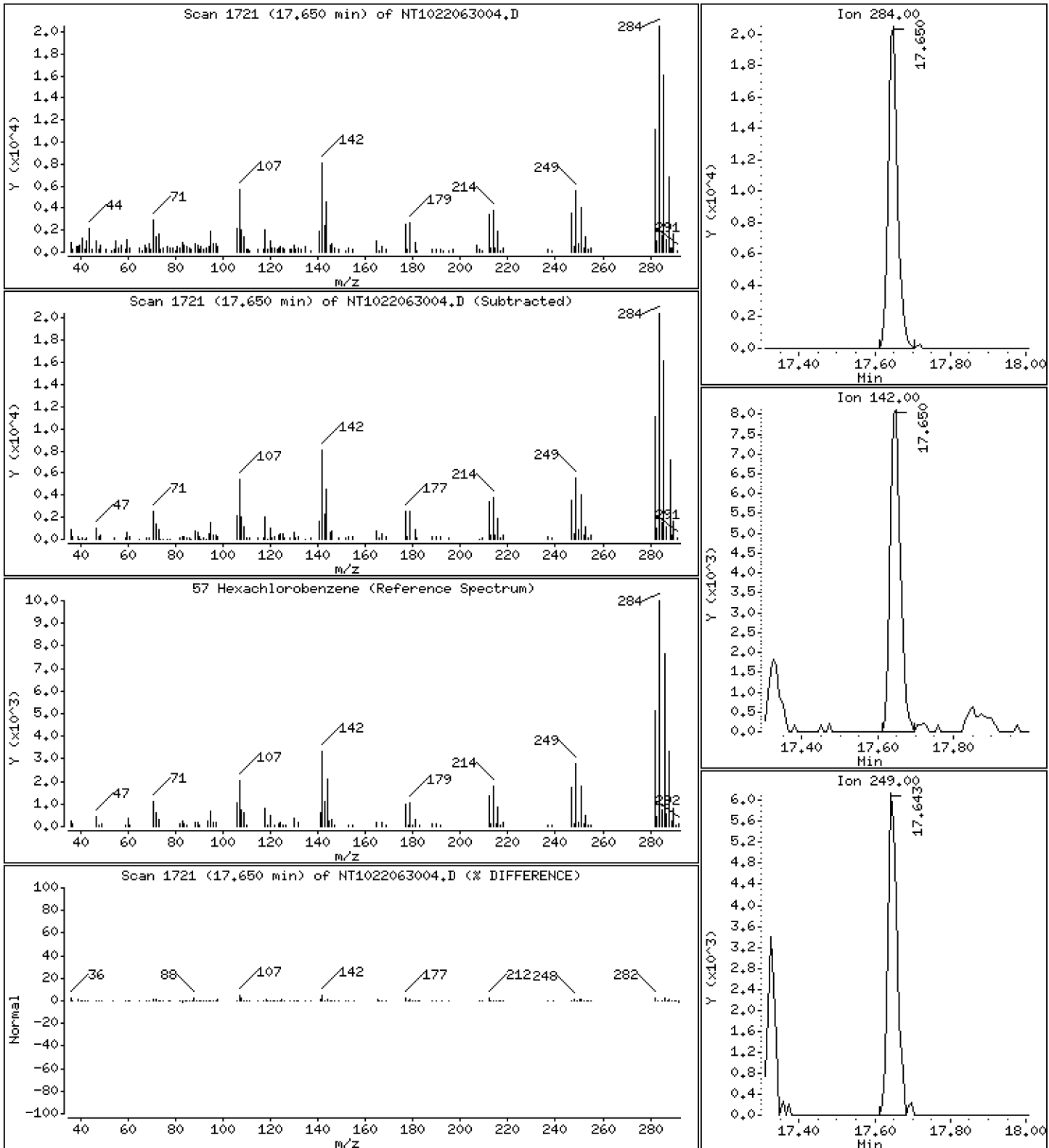
Operator: VTS

Column phase: ZB-5msi

Column diameter: 0,25

57 Hexachlorobenzene

Concentration: 0,5069 ug/mL



Date : 30-JUN-2022 15:27

Client ID:

Instrument: nt10.i

Sample Info: SKG0010-LCV1

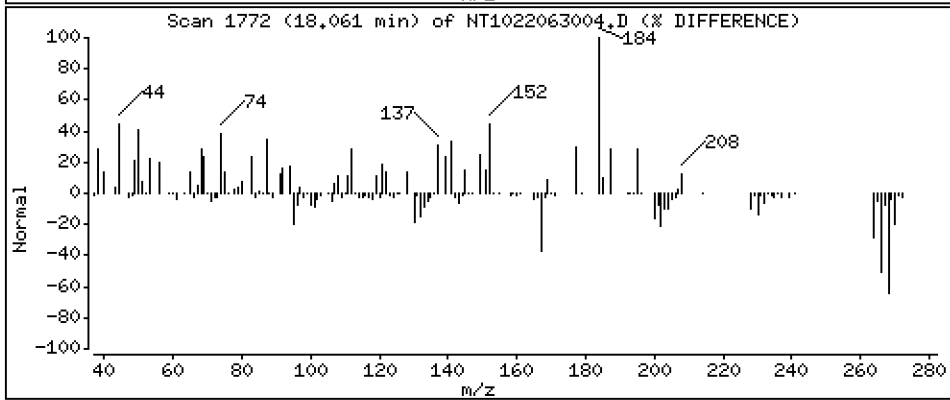
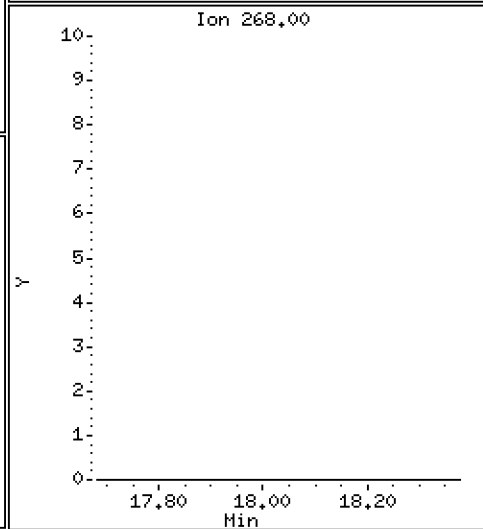
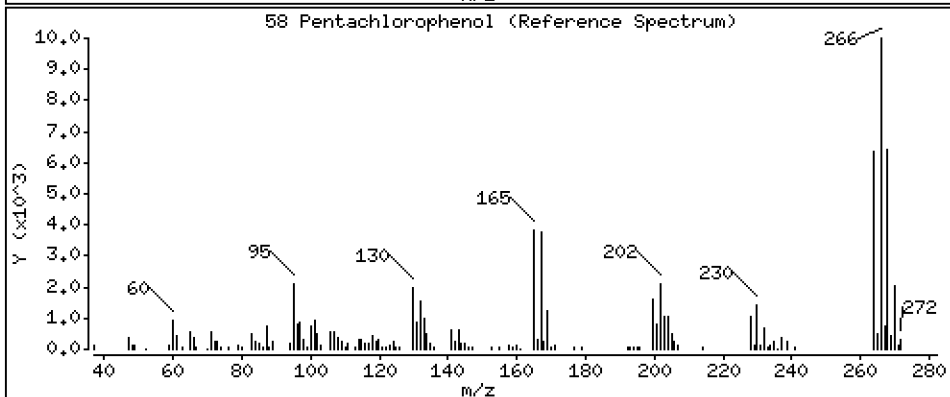
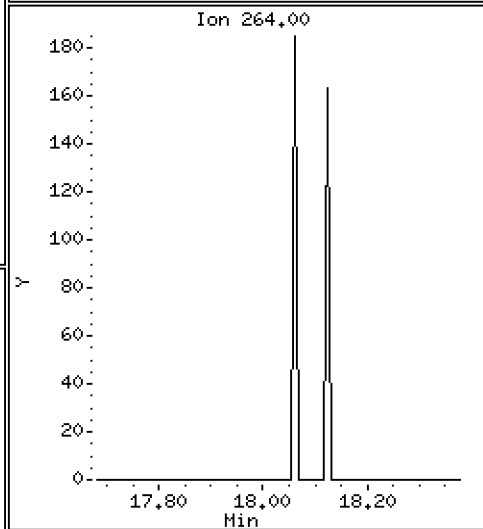
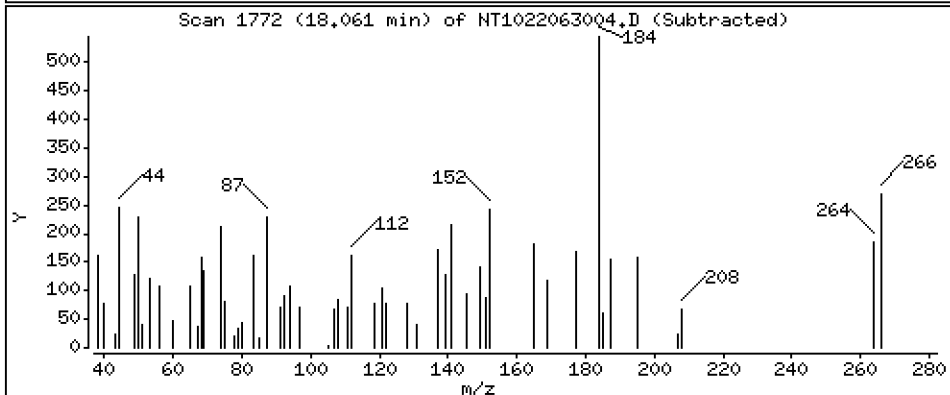
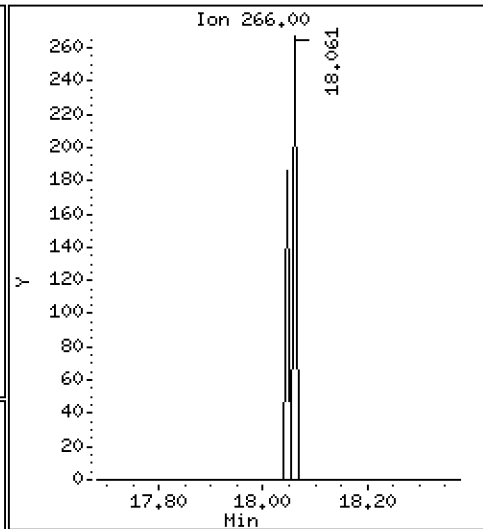
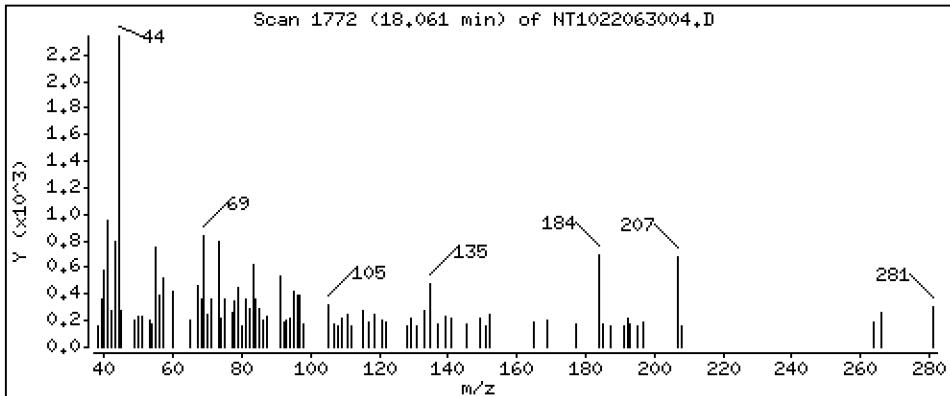
Operator: VTS

Column phase: ZB-5msi

Column diameter: 0,25

58 Pentachlorophenol

Concentration: 0,01385 ug/mL



Date : 30-JUN-2022 15:27

Client ID:

Instrument: nt10.i

Sample Info: SKG0010-LCV1

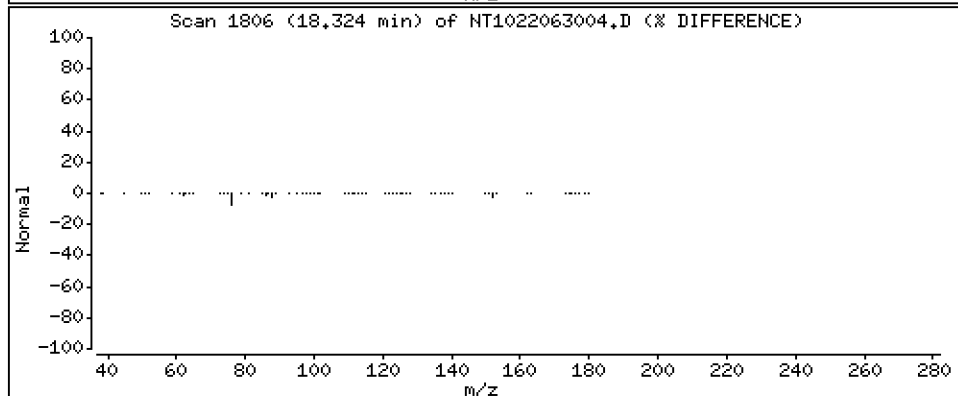
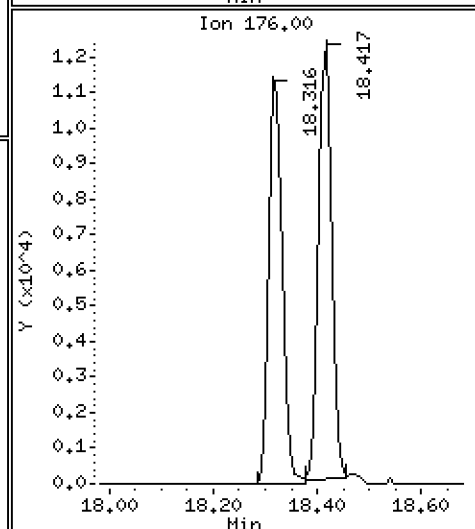
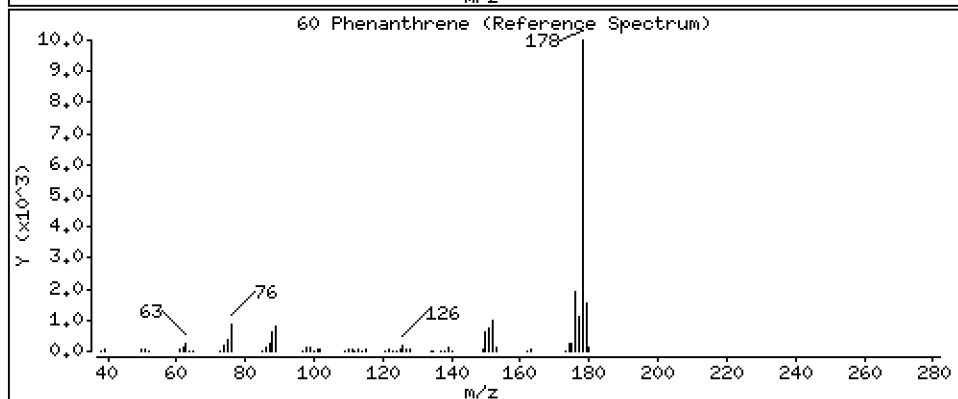
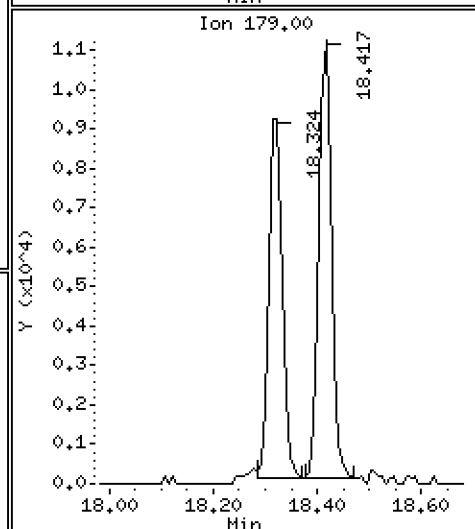
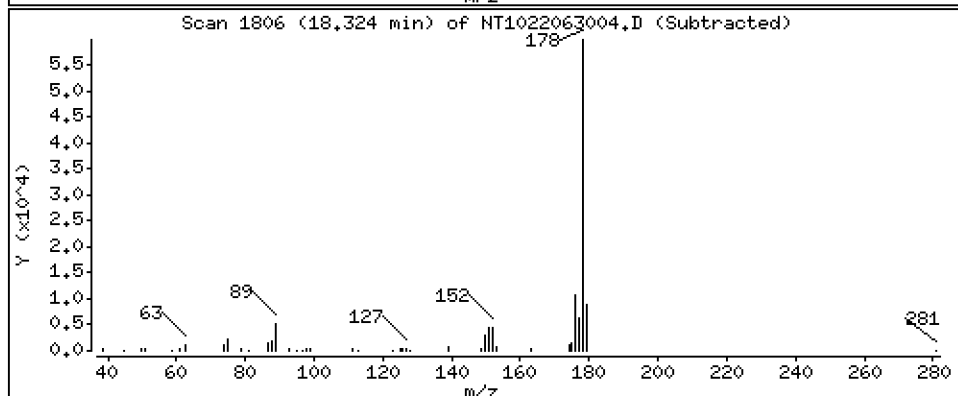
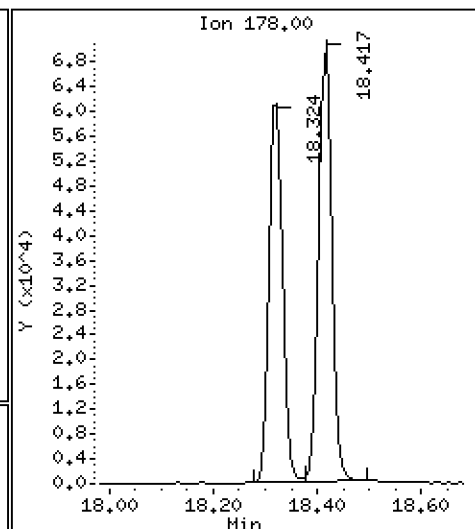
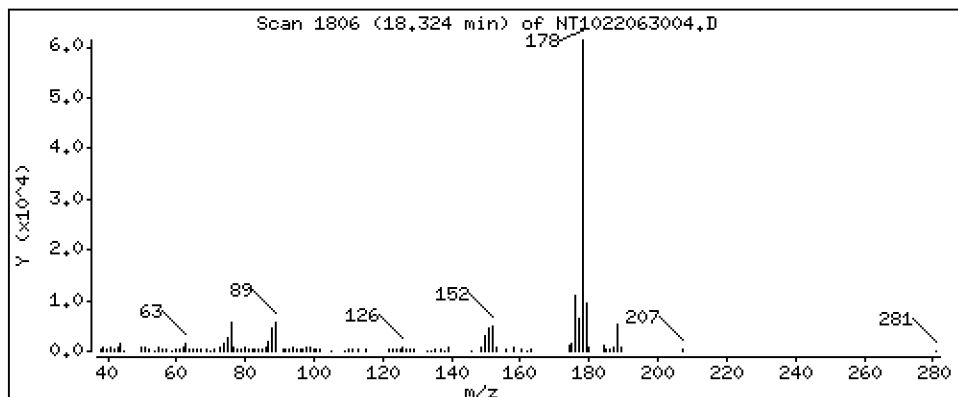
Operator: VTS

Column phase: ZB-5msi

Column diameter: 0,25

60 Phenanthrene

Concentration: 0,4012 ug/mL



Date : 30-JUN-2022 15:27

Client ID:

Instrument: nt10.i

Sample Info: SKG0010-LCV1

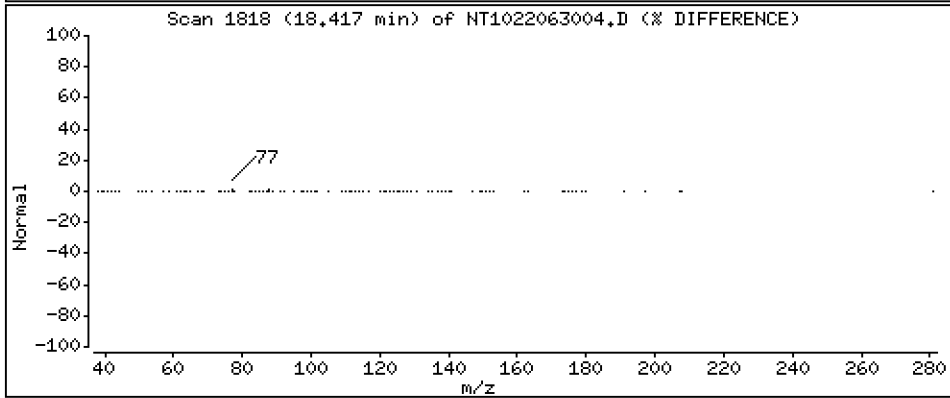
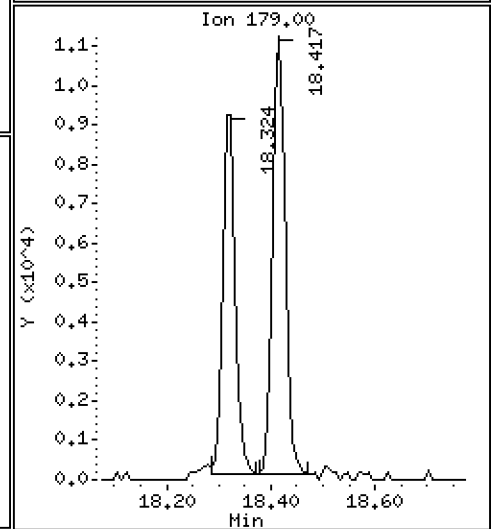
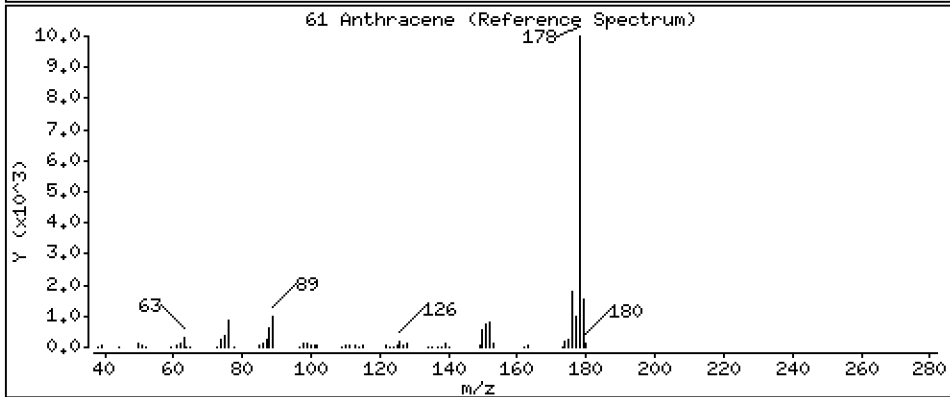
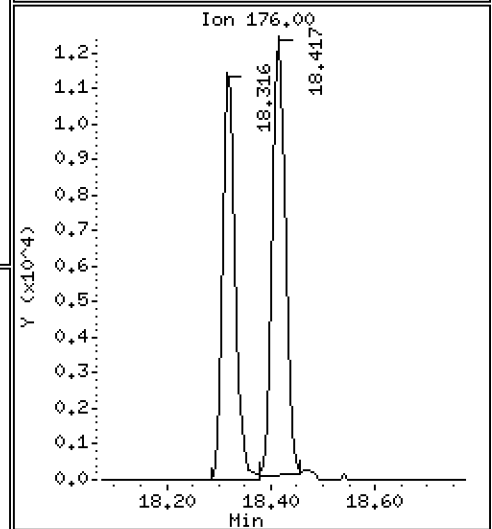
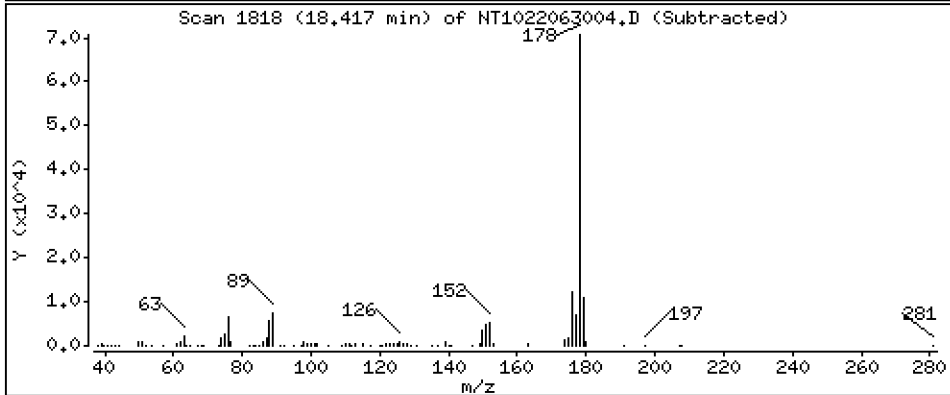
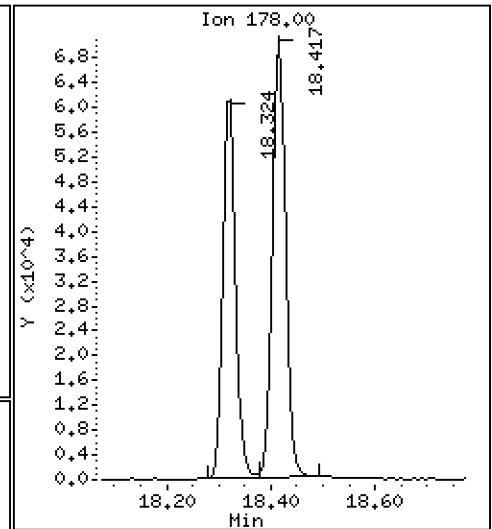
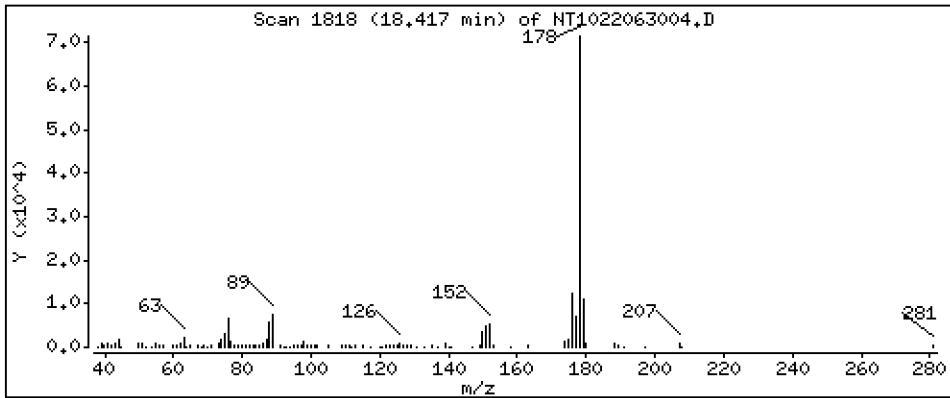
Operator: VTS

Column phase: ZB-5msi

Column diameter: 0,25

61 Anthracene

Concentration: 0,4142 ug/mL



Date : 30-JUN-2022 15:27

Client ID:

Instrument: nt10.i

Sample Info: SKG0010-LCV1

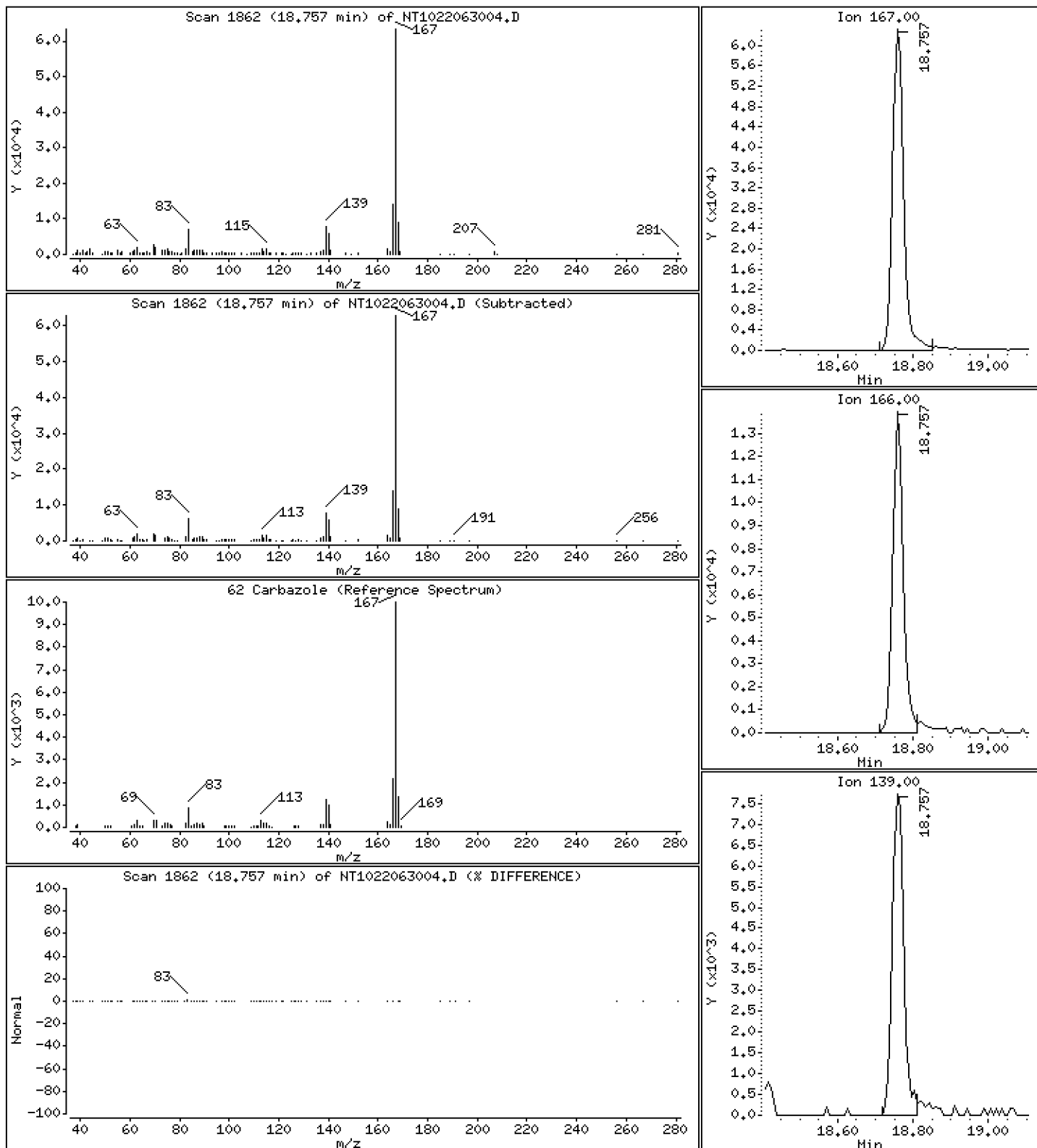
Operator: VTS

Column phase: ZB-5msi

Column diameter: 0.25

62 Carbazole

Concentration: 0.4736 ug/mL



Date : 30-JUN-2022 15:27

Client ID:

Instrument: nt10.i

Sample Info: SKG0010-LCV1

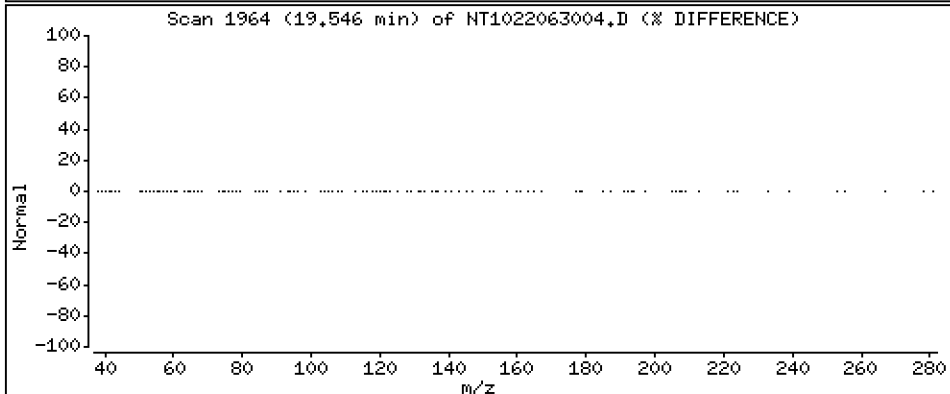
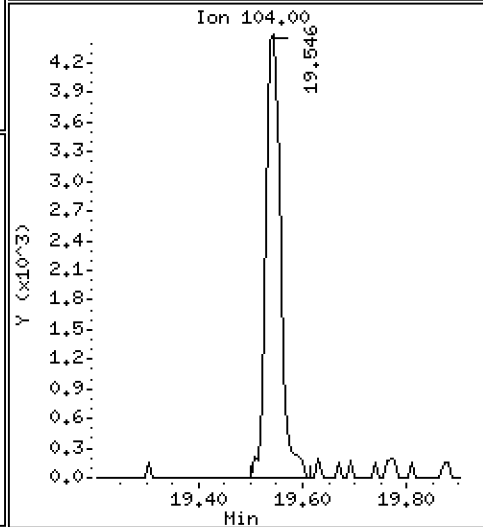
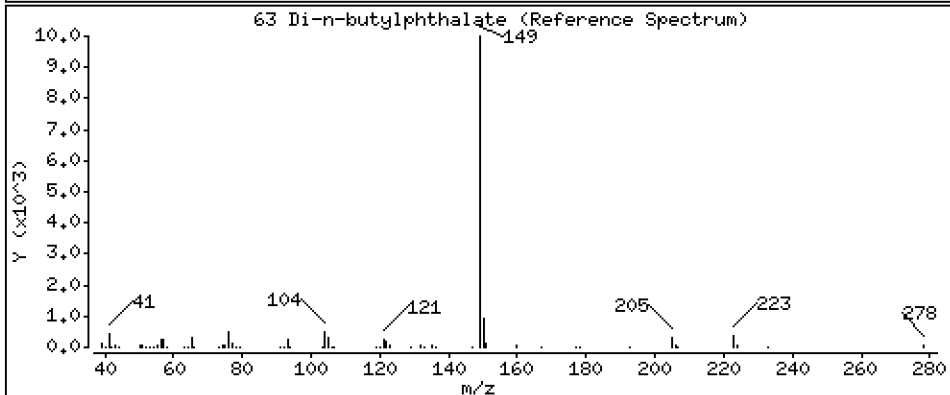
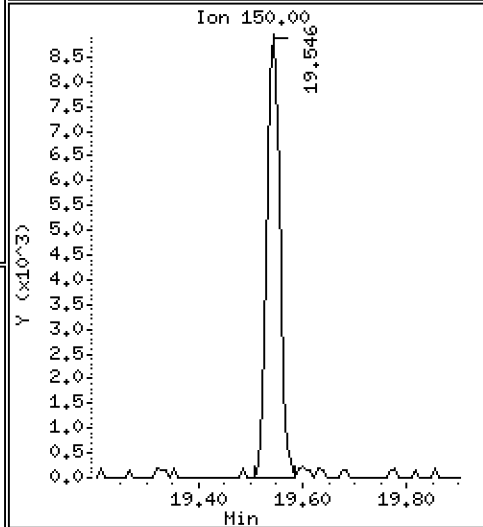
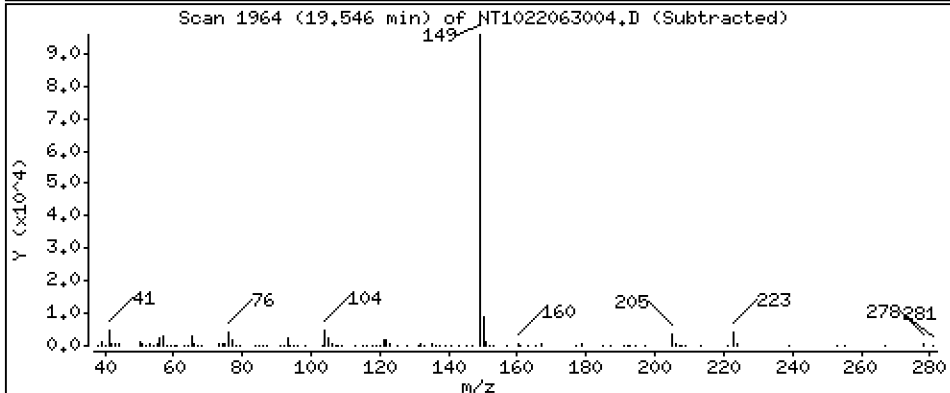
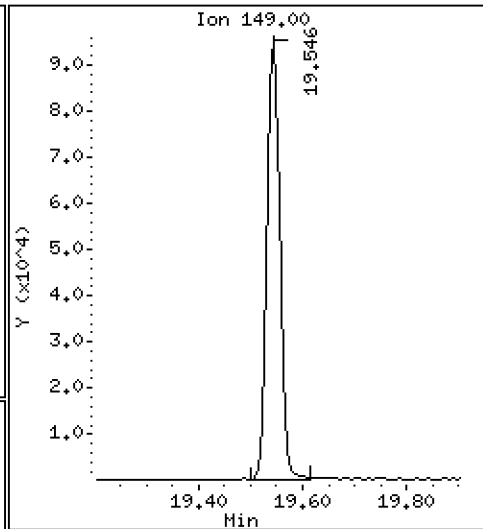
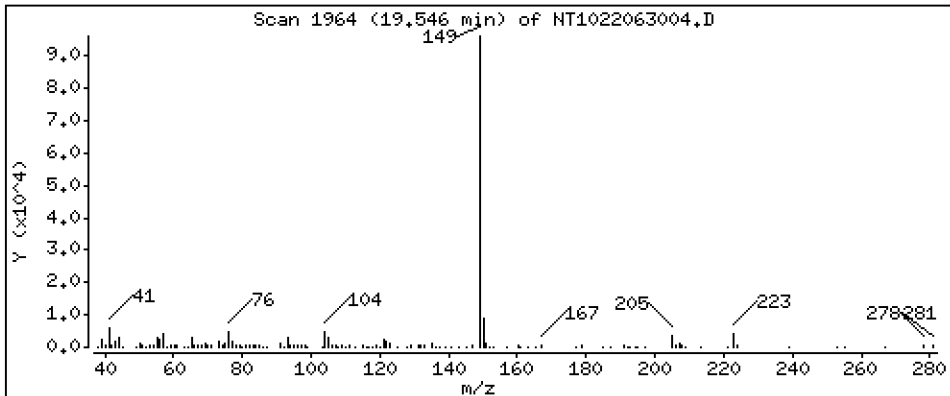
Operator: VTS

Column phase: ZB-5msi

Column diameter: 0,25

63 Di-n-butylphthalate

Concentration: 0,3952 ug/mL



Date : 30-JUN-2022 15:27

Client ID:

Instrument: nt10.i

Sample Info: SKG0010-LCV1

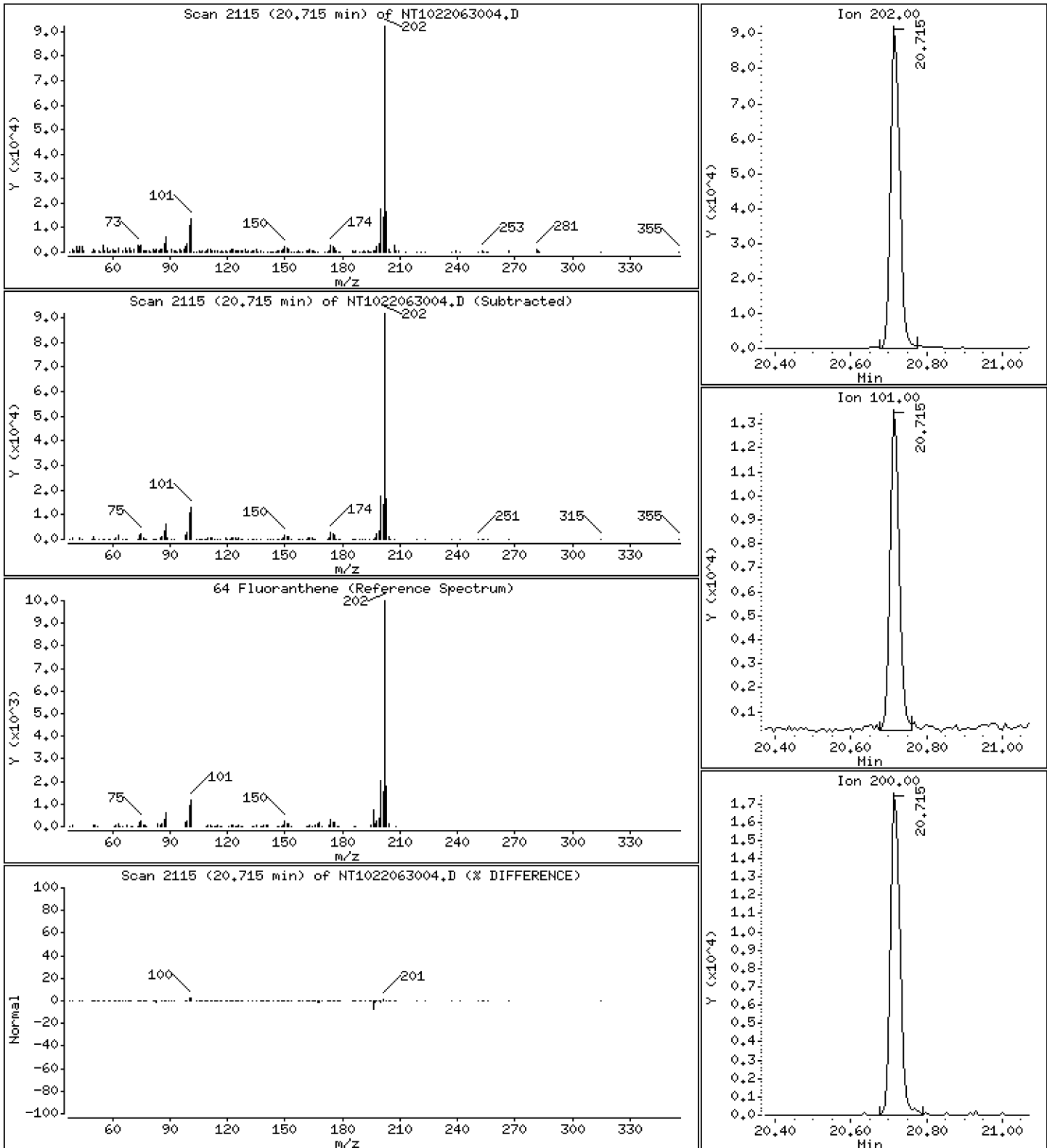
Operator: VTS

Column phase: ZB-5msi

Column diameter: 0,25

Concentration: 0,6323 ug/mL

64 Fluoranthene



Date : 30-JUN-2022 15:27

Client ID:

Instrument: nt10.i

Sample Info: SKG0010-LCV1

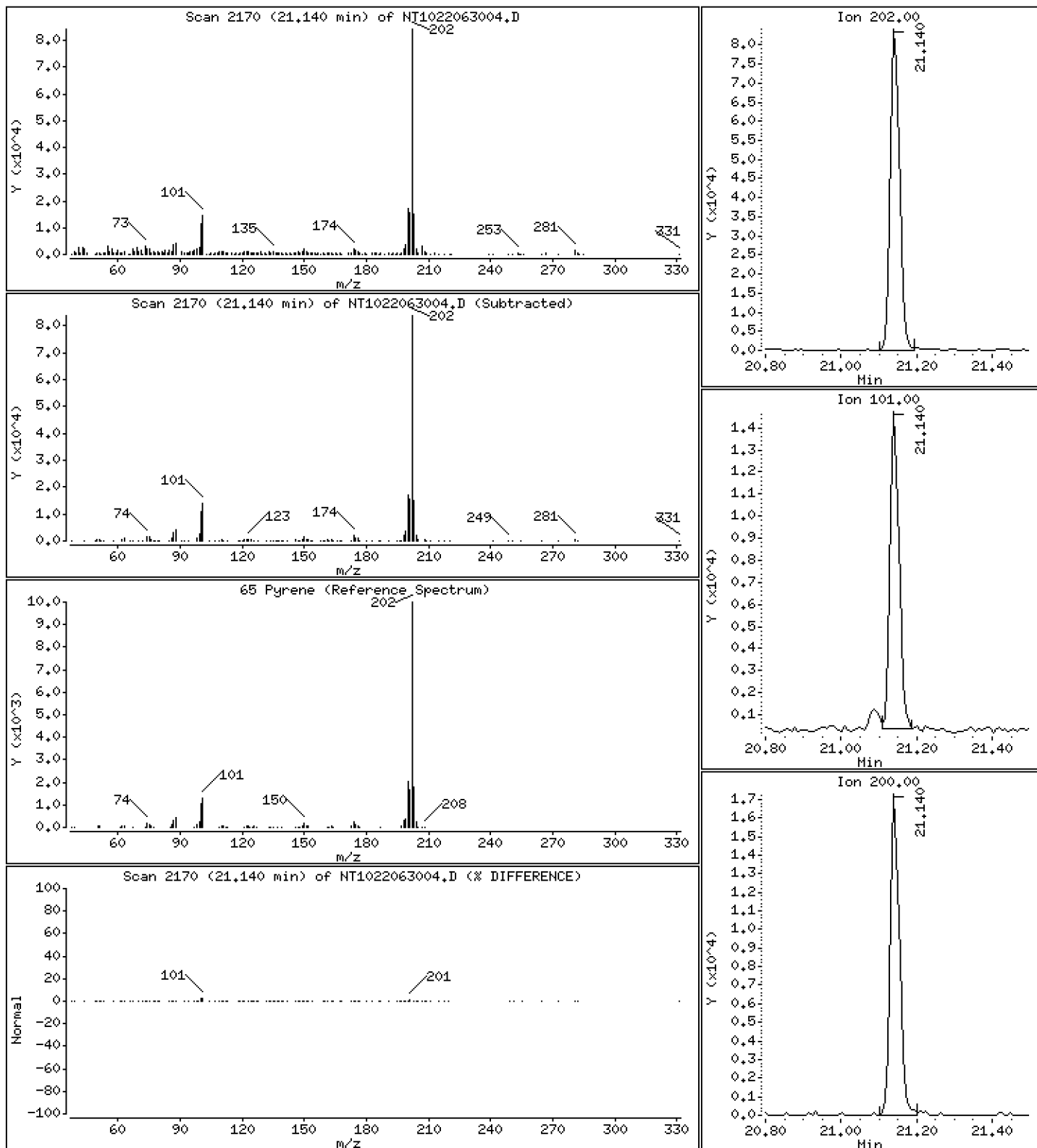
Operator: VTS

Column phase: ZB-5msi

Column diameter: 0,25

65 Pyrene

Concentration: 0,6891 ug/mL



Date : 30-JUN-2022 15:27

Client ID:

Instrument: nt10.i

Sample Info: SKG0010-LCV1

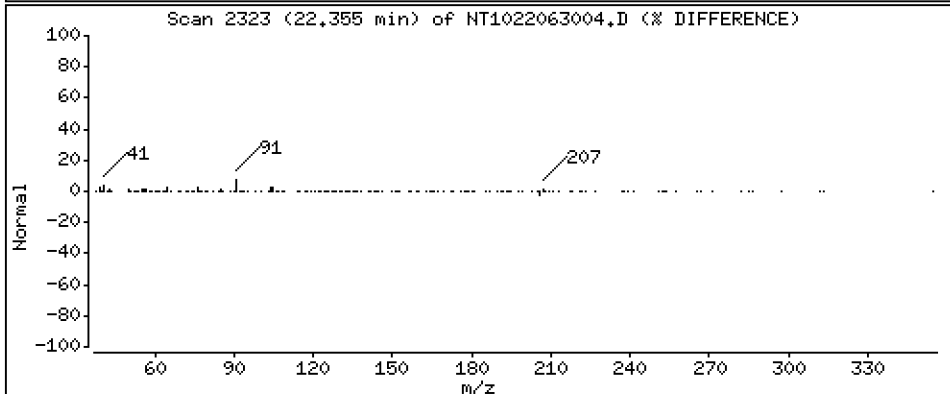
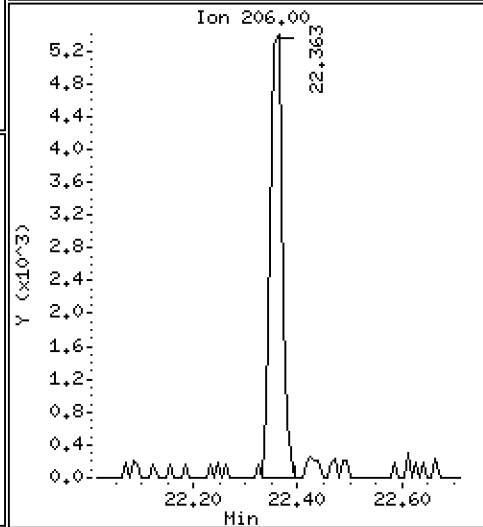
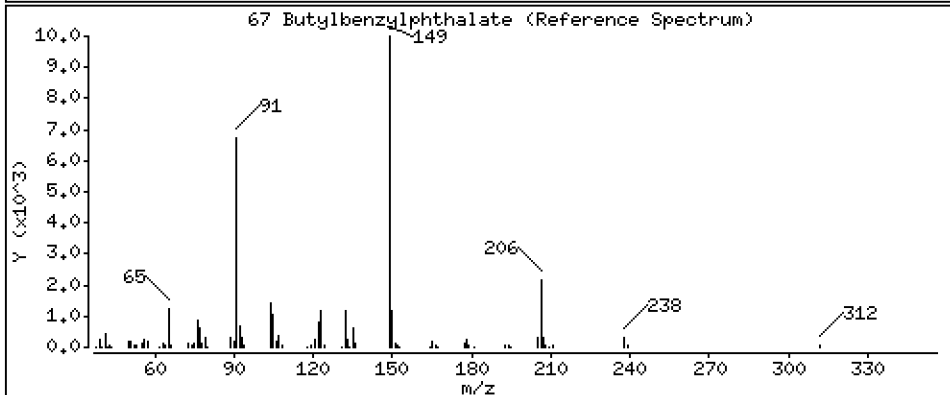
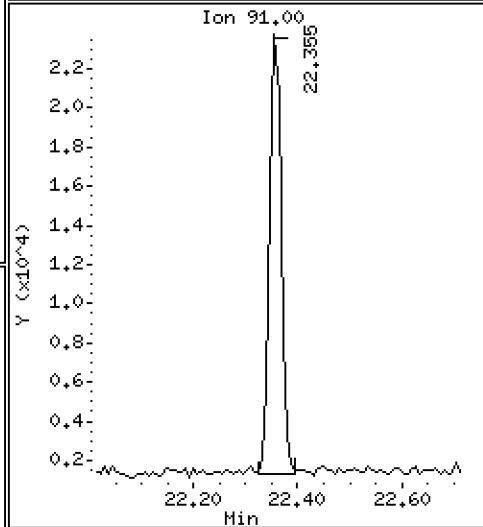
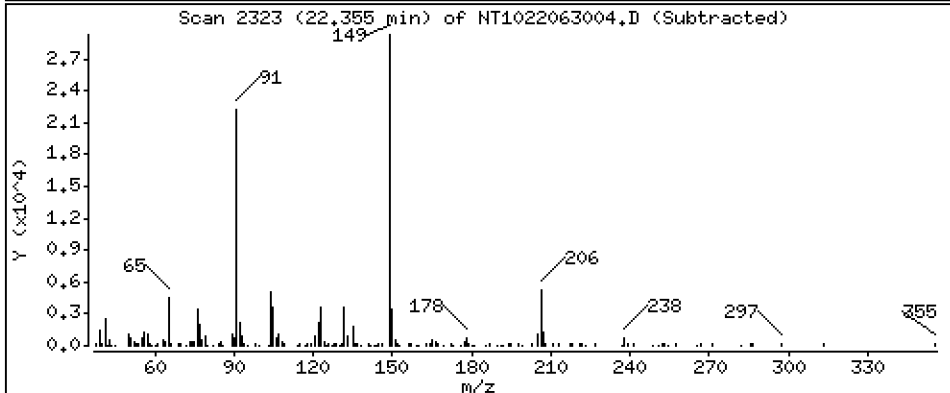
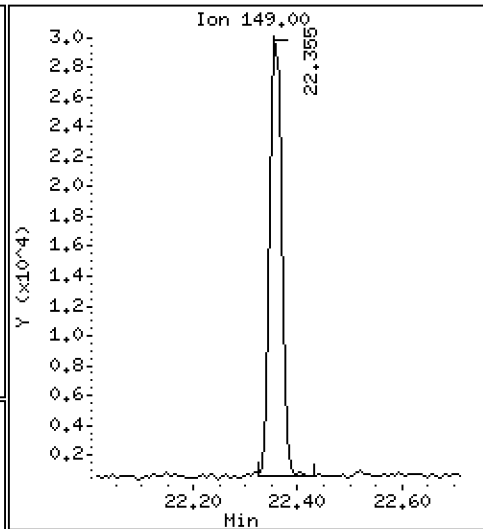
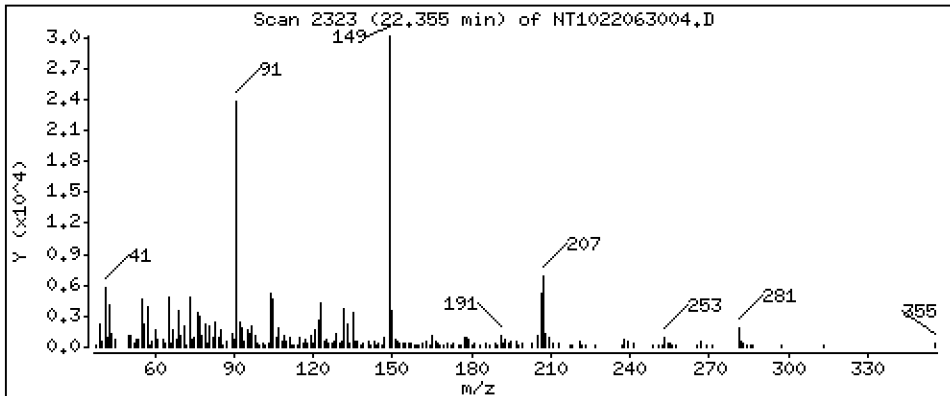
Operator: VTS

Column phase: ZB-5msi

Column diameter: 0,25

67 Butylbenzylphthalate

Concentration: 0,6667 ug/mL



Date : 30-JUN-2022 15:27

Client ID:

Instrument: nt10.i

Sample Info: SKG0010-LCV1

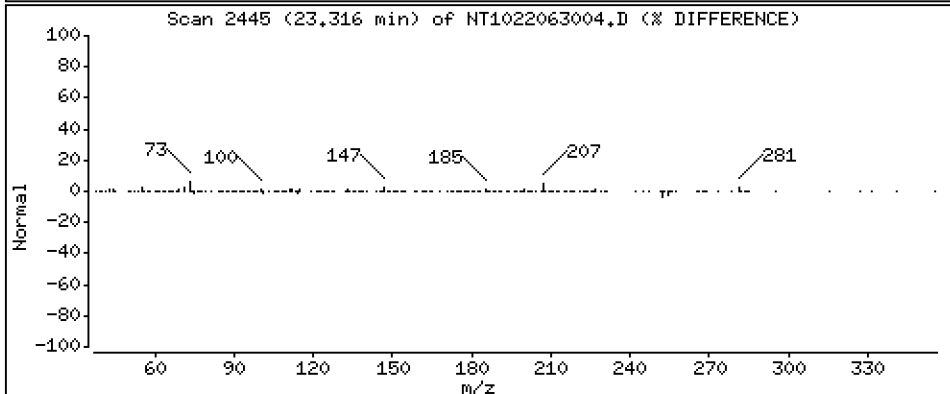
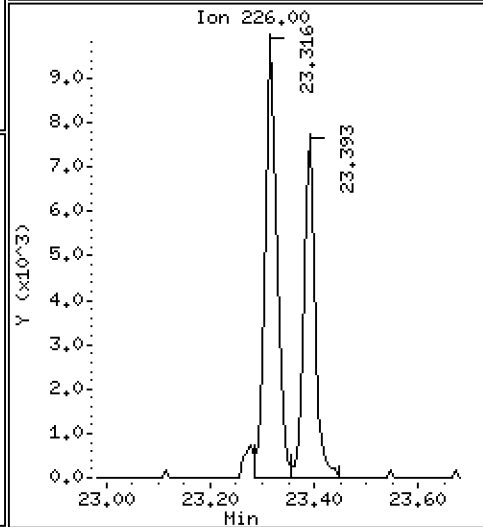
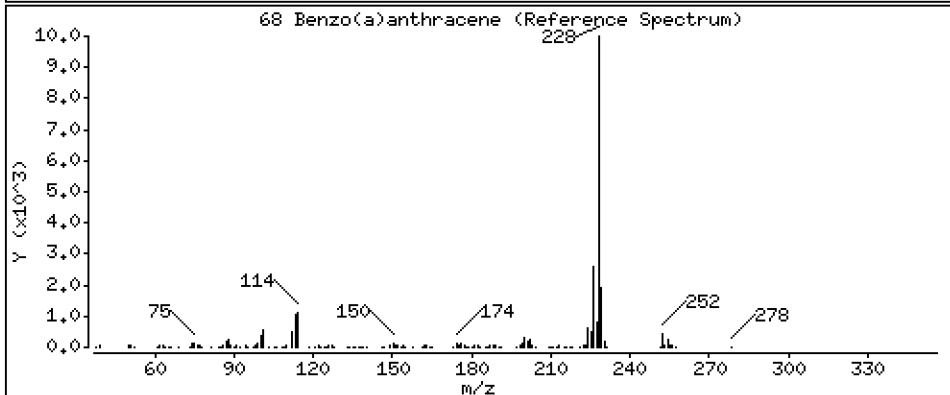
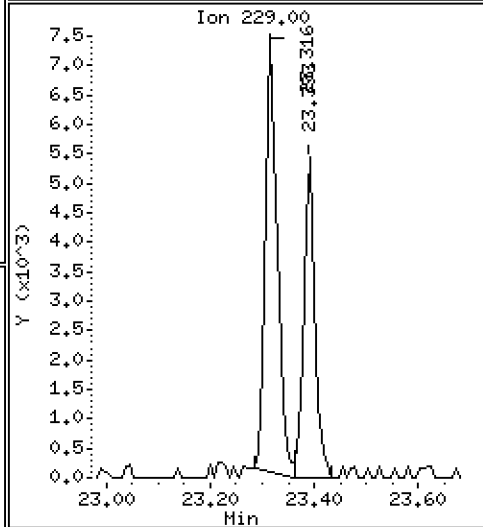
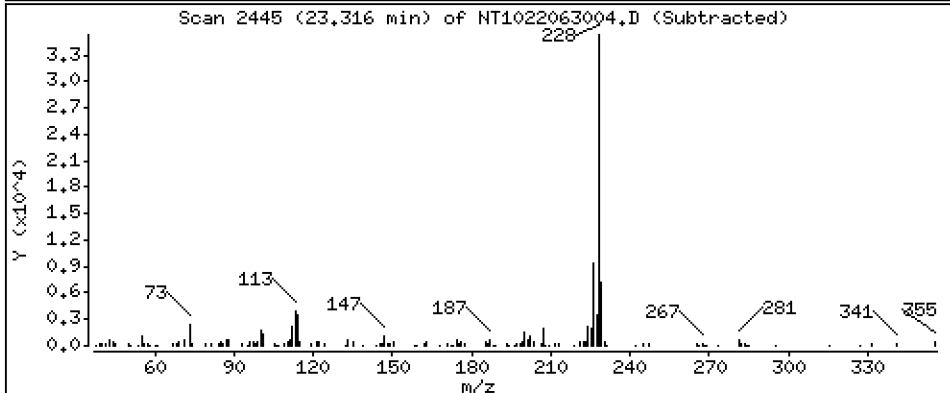
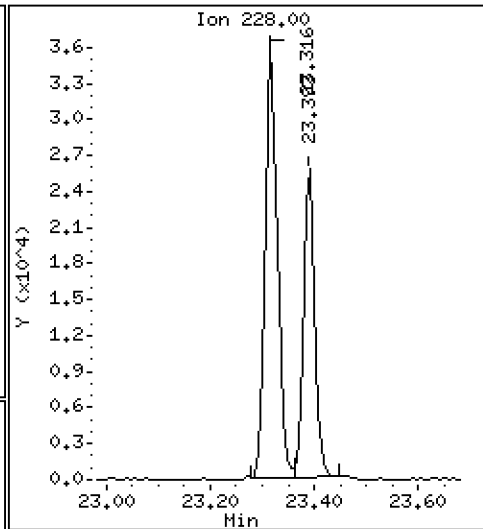
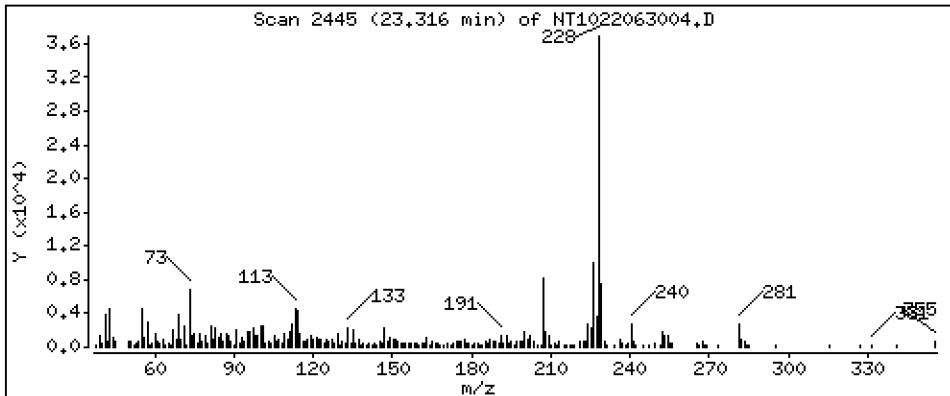
Operator: VTS

Column phase: ZB-5msi

Column diameter: 0,25

68 Benzo(a)anthracene

Concentration: 0,4071 ug/mL



Date : 30-JUN-2022 15:27

Client ID:

Instrument: nt10.i

Sample Info: SKG0010-LCV1

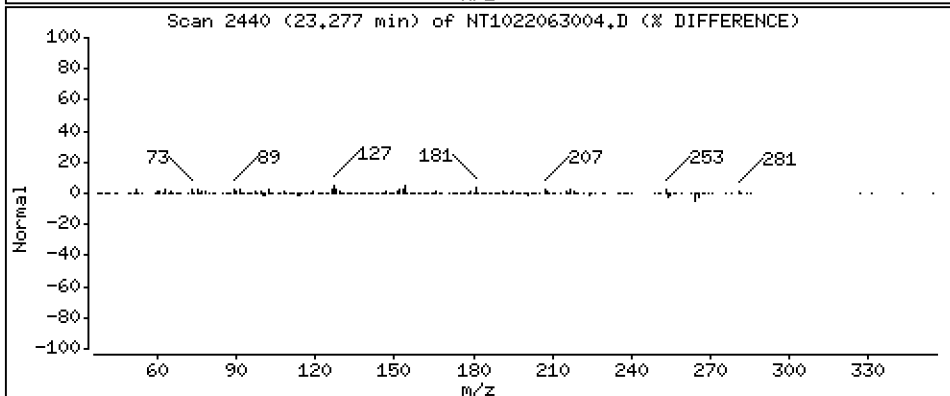
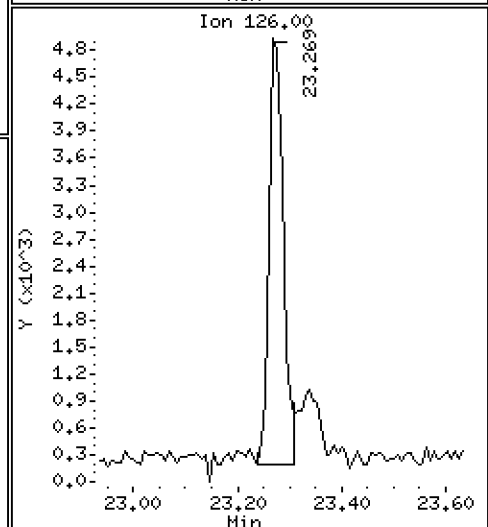
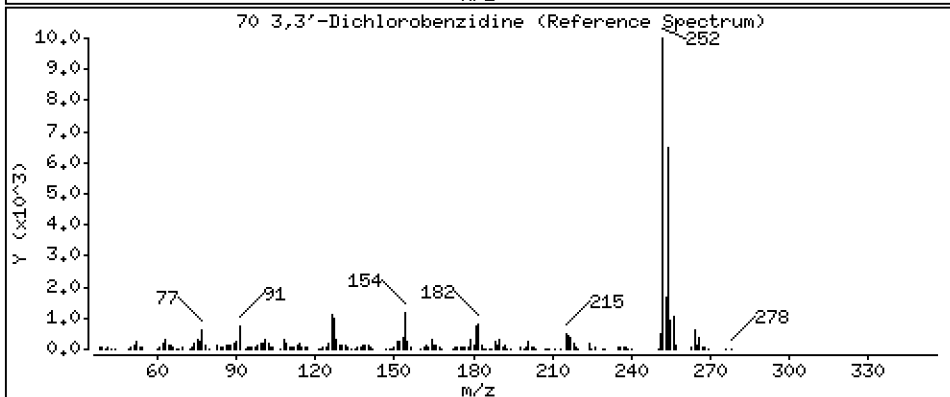
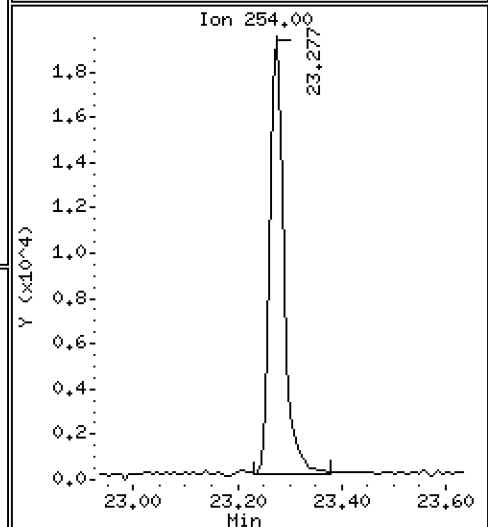
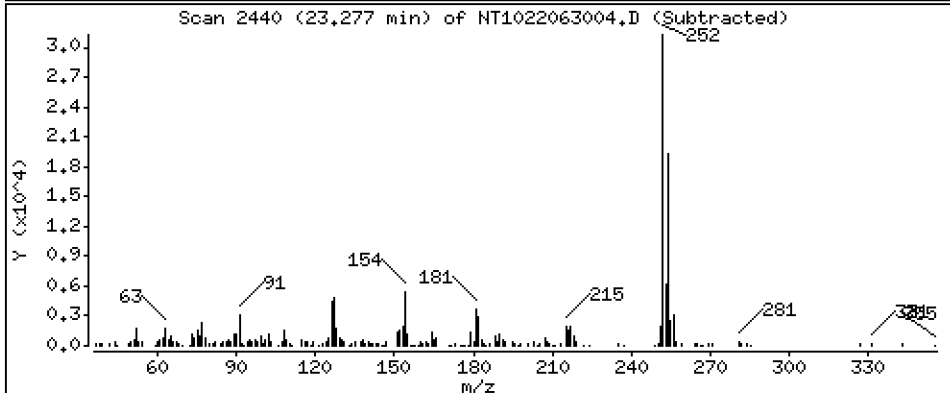
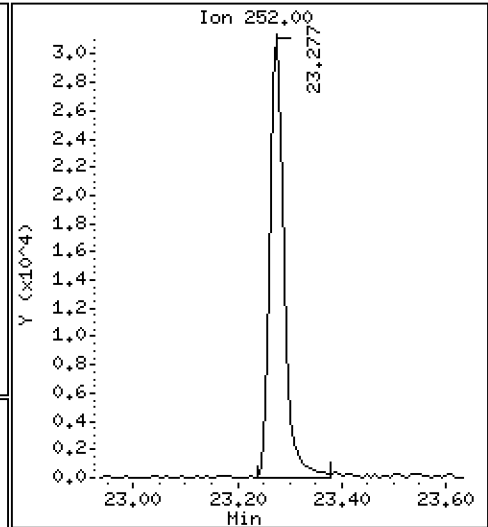
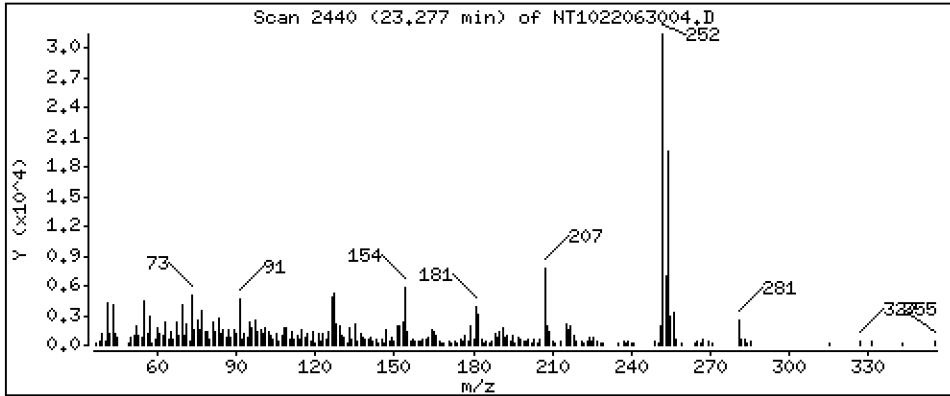
Operator: VTS

Column phase: ZB-5msi

Column diameter: 0.25

70 3,3'-Dichlorobenzidine

Concentration: 1.253 ug/mL



Date : 30-JUN-2022 15:27

Client ID:

Instrument: nt10.i

Sample Info: SKG0010-LCV1

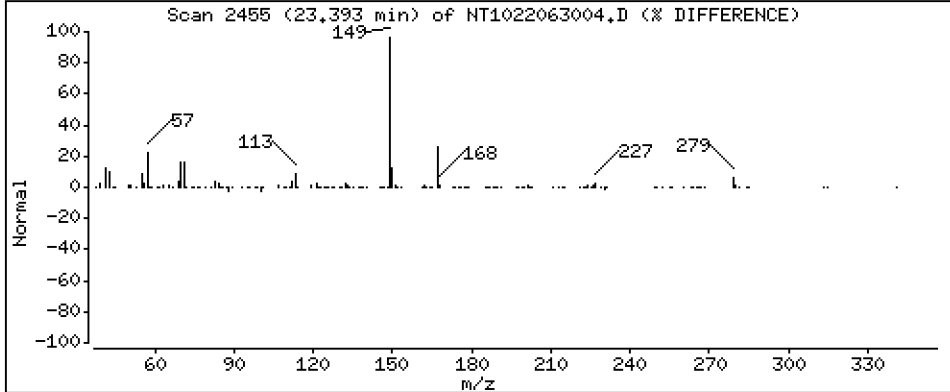
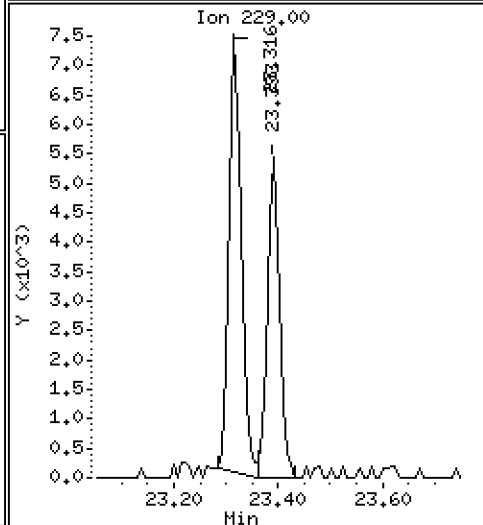
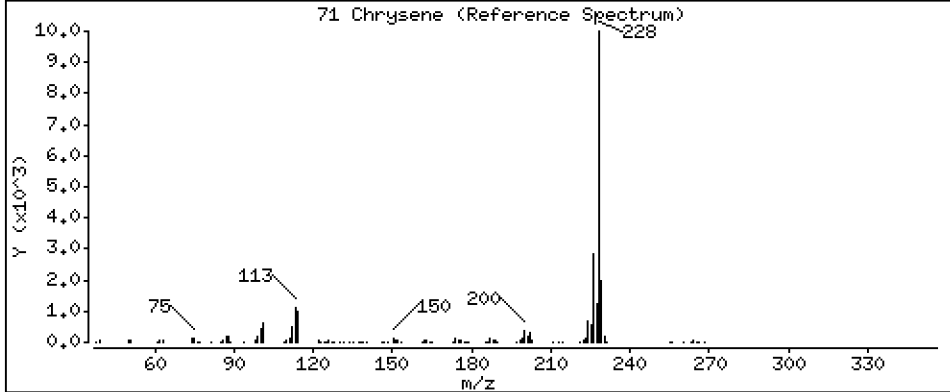
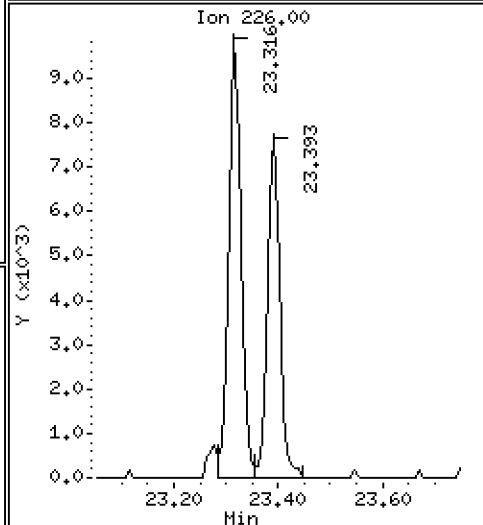
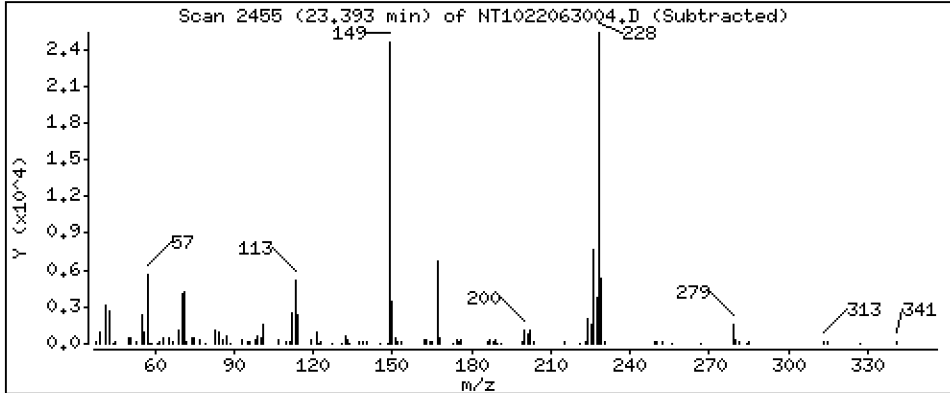
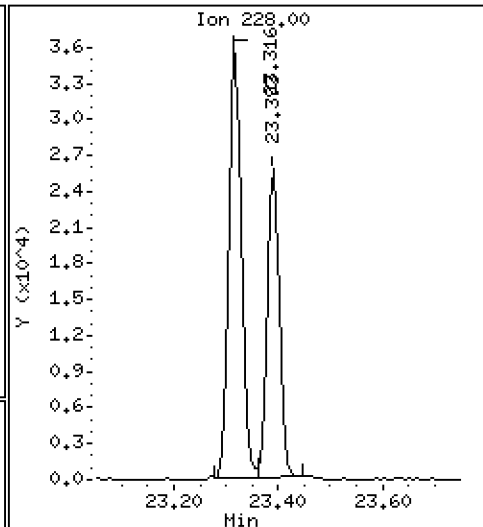
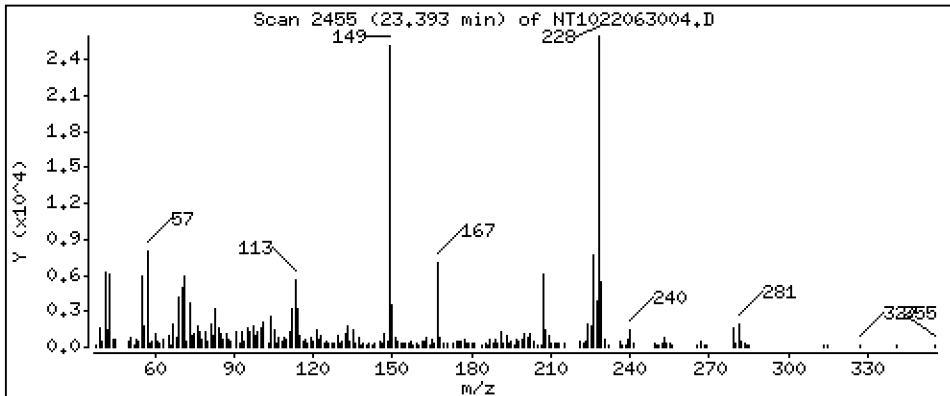
Operator: VTS

Column phase: ZB-5msi

Column diameter: 0,25

71 Chrysene

Concentration: 0,4240 ug/mL



Date : 30-JUN-2022 15:27

Client ID:

Instrument: nt10.i

Sample Info: SKG0010-LCV1

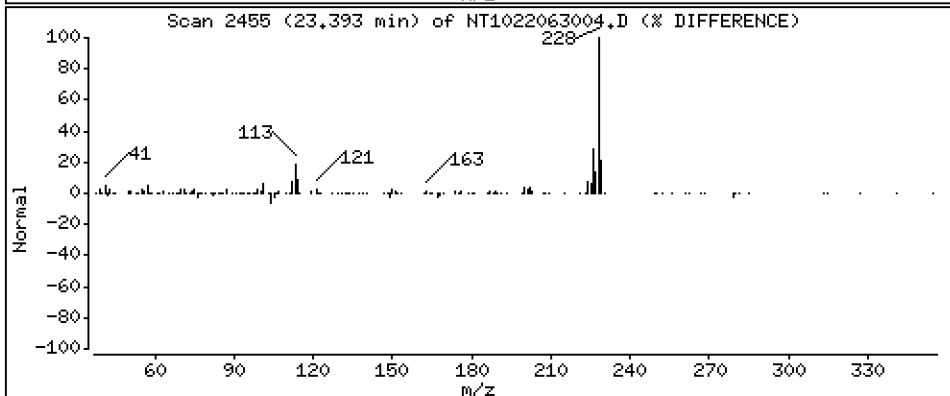
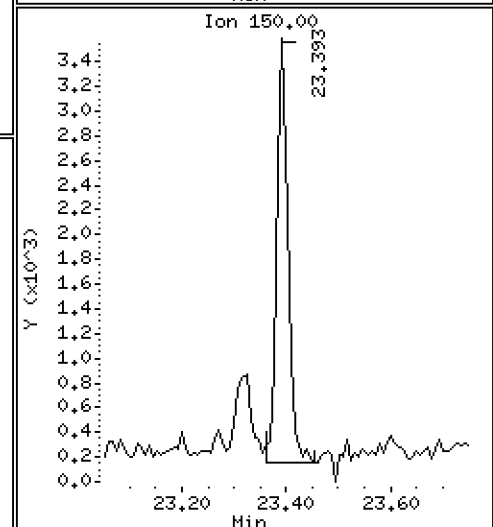
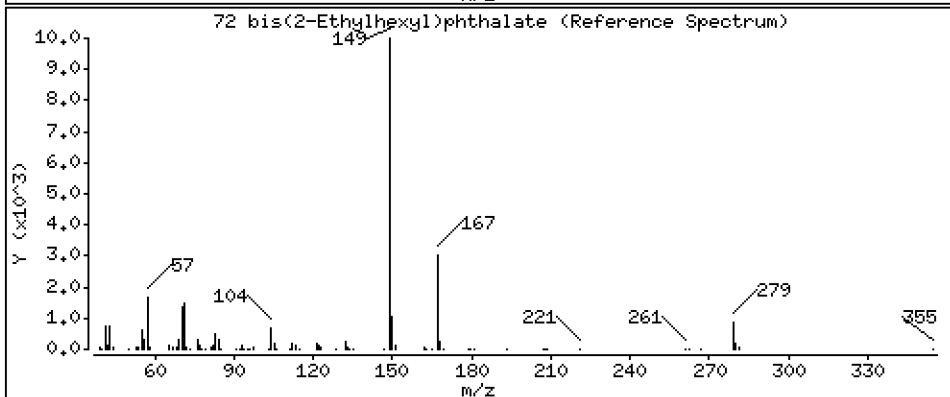
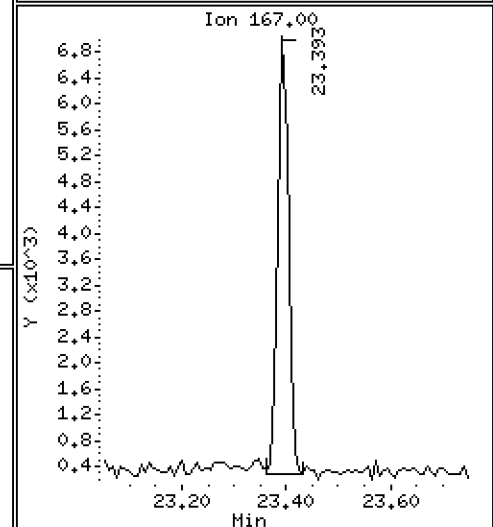
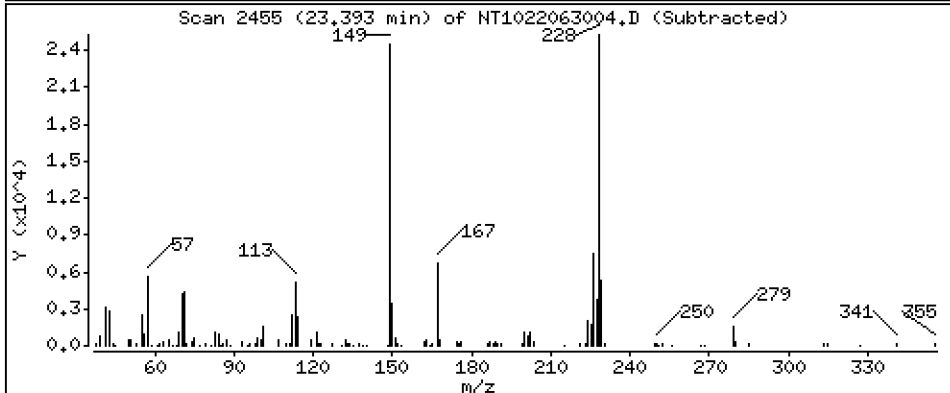
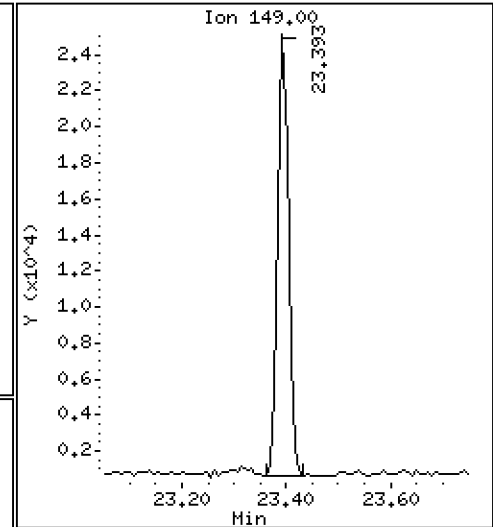
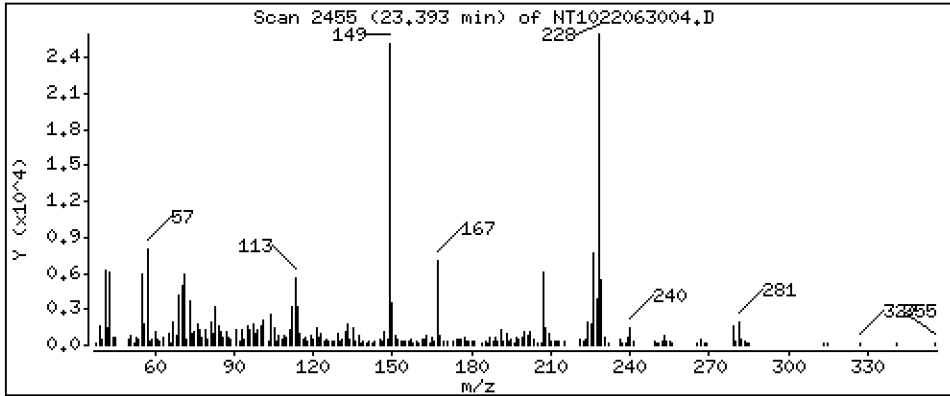
Operator: VTS

Column phase: ZB-5msi

Column diameter: 0,25

72 bis(2-Ethylhexyl)phthalate

Concentration: 0,5362 ug/mL



Date : 30-JUN-2022 15:27

Client ID:

Instrument: nt10.i

Sample Info: SKG0010-LCV1

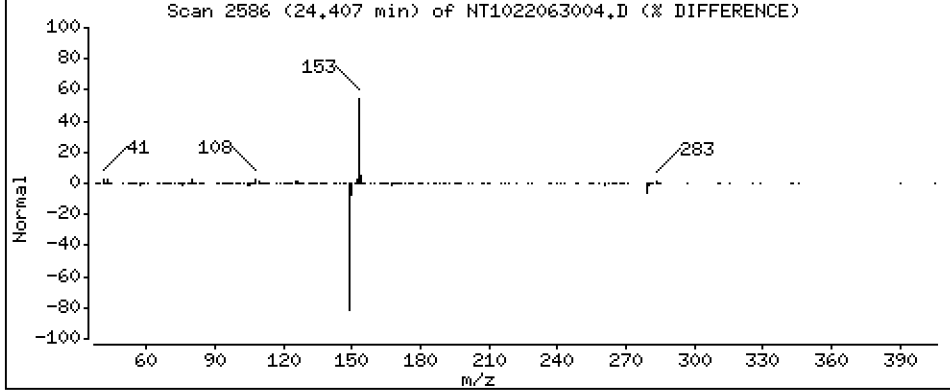
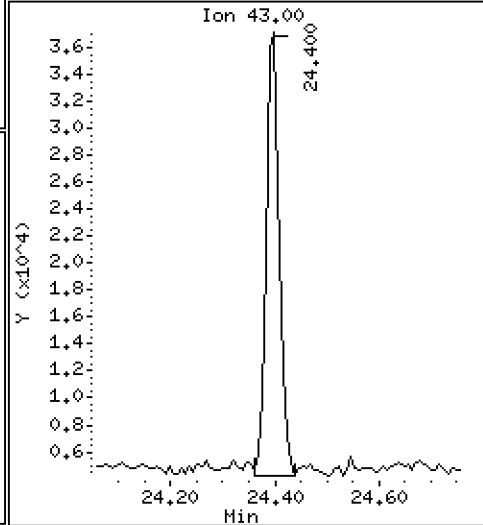
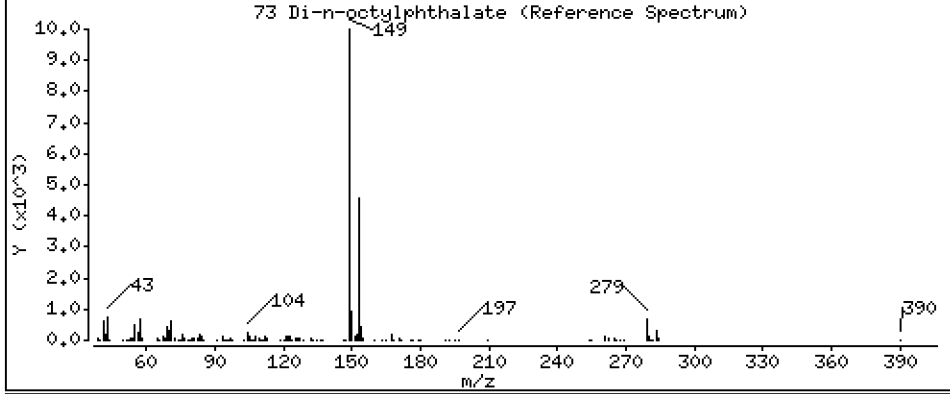
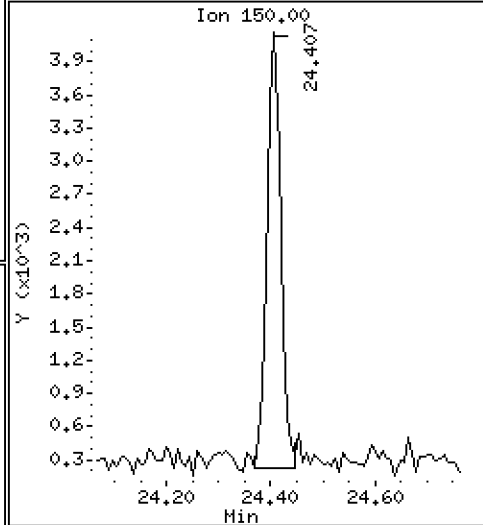
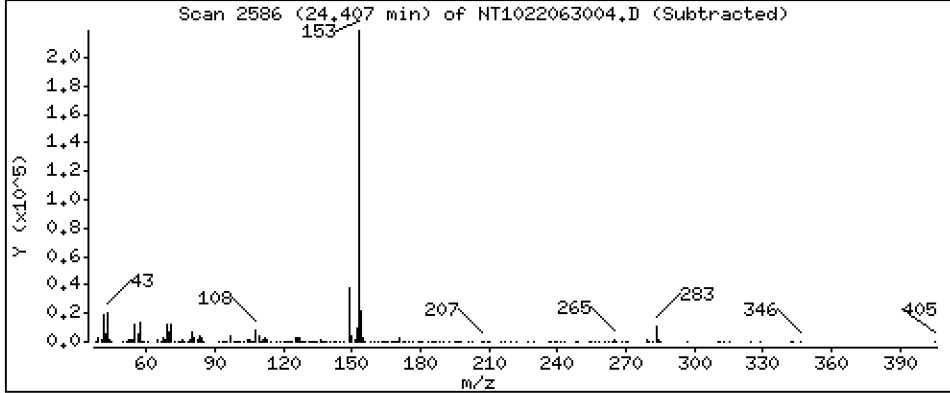
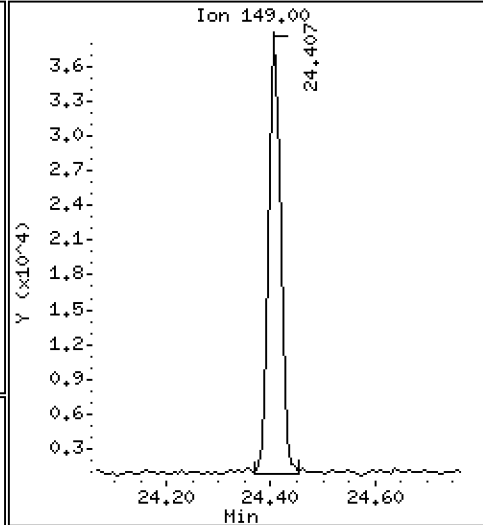
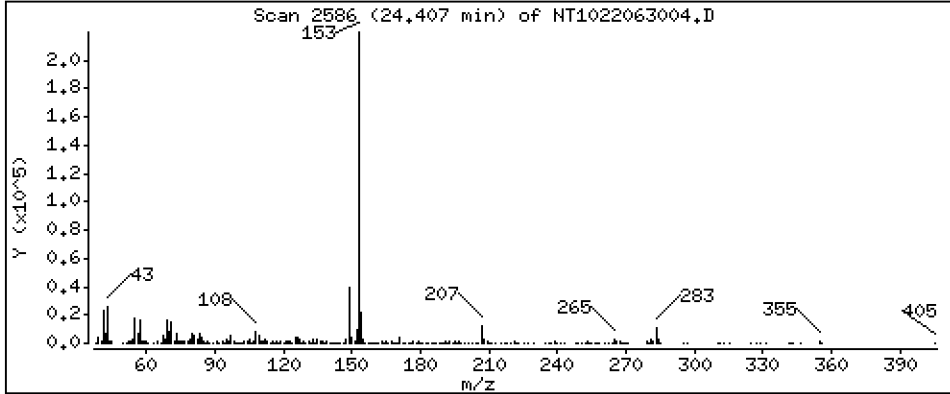
Operator: VTS

Column phase: ZB-5msi

Column diameter: 0,25

73 Di-n-octylphthalate

Concentration: 0,4543 ug/mL



Date : 30-JUN-2022 15:27

Client ID:

Instrument: nt10.i

Sample Info: SKG0010-LCV1

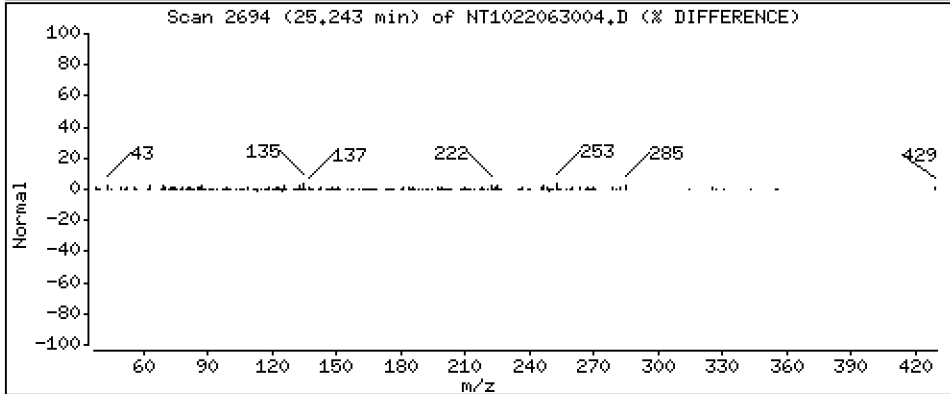
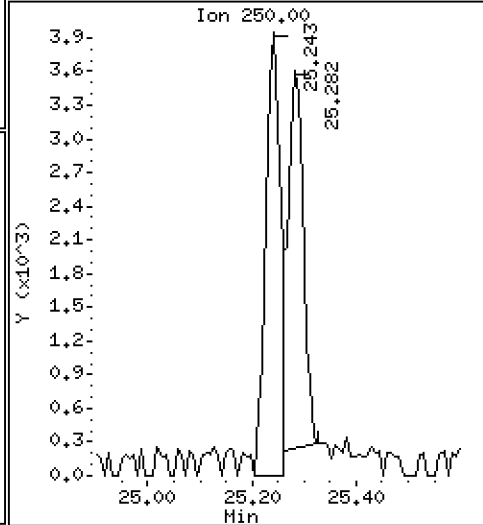
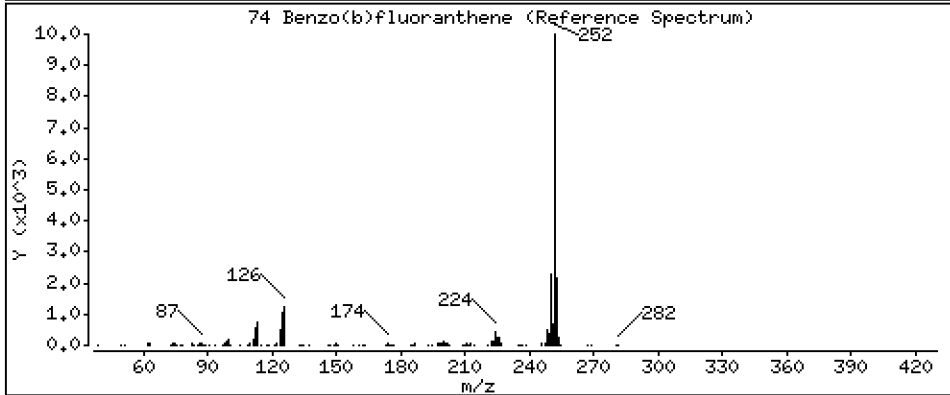
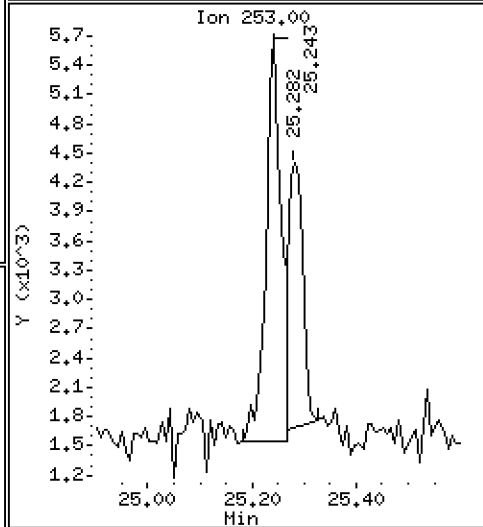
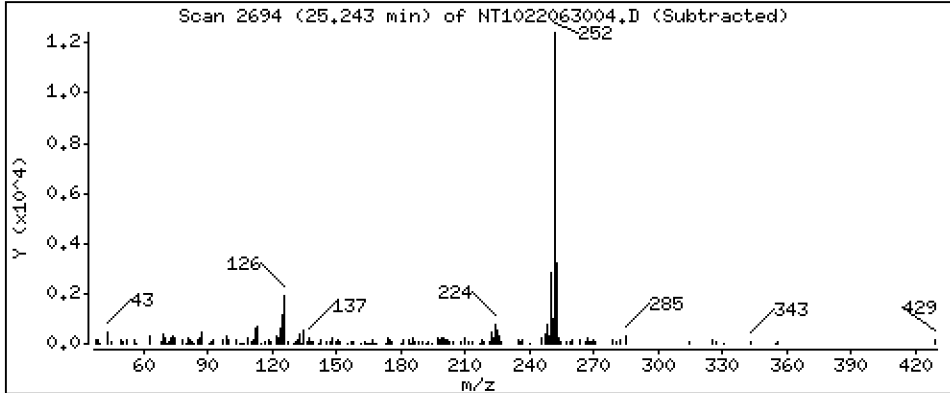
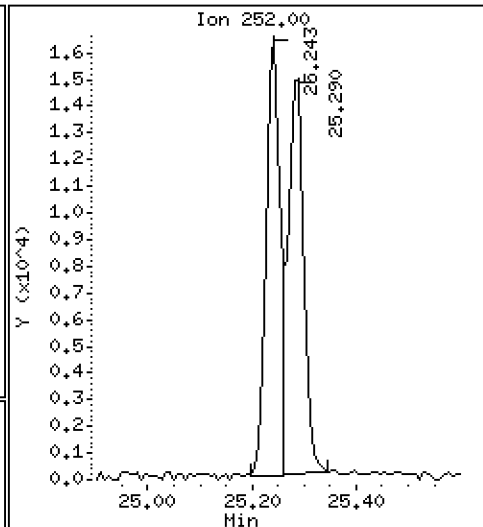
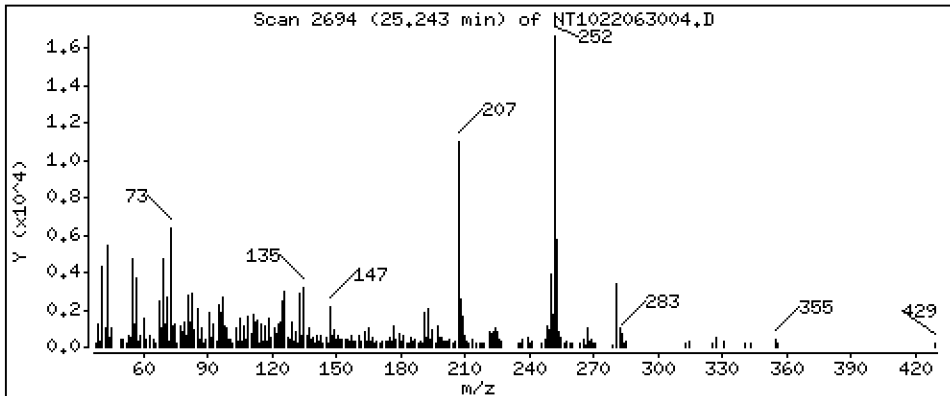
Operator: VTS

Column phase: ZB-5msi

Column diameter: 0,25

74 Benzo(b)fluoranthene

Concentration: 0,3315 ug/mL



Date : 30-JUN-2022 15:27

Client ID:

Instrument: nt10.i

Sample Info: SKG0010-LCV1

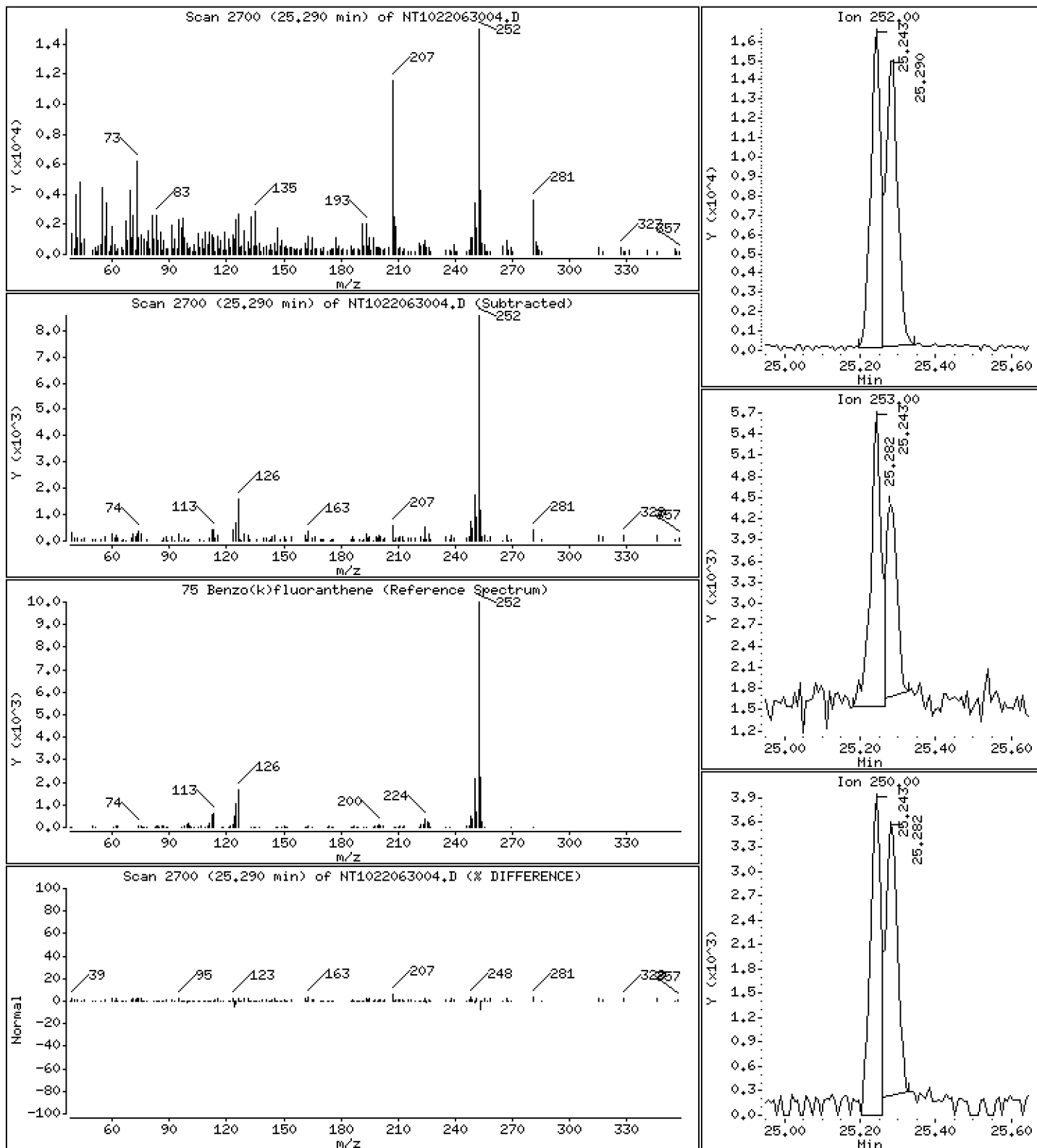
Operator: VTS

Column phase: ZB-5msi

Column diameter: 0,25

75 Benzo(k)fluoranthene

Concentration: 0,3928 ug/mL



Date : 30-JUN-2022 15:27

Client ID:

Instrument: nt10.i

Sample Info: SKG0010-LCV1

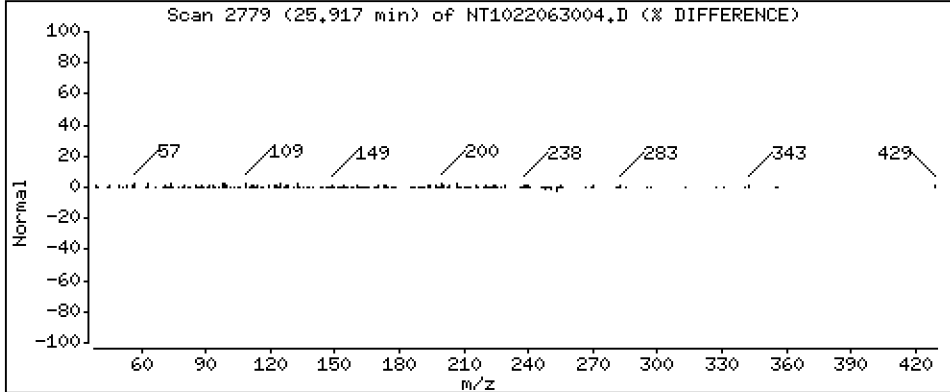
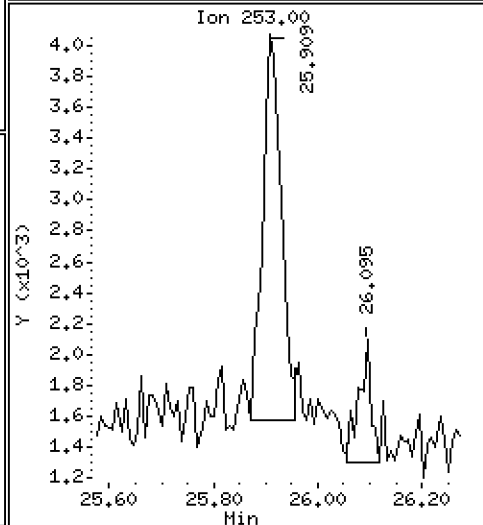
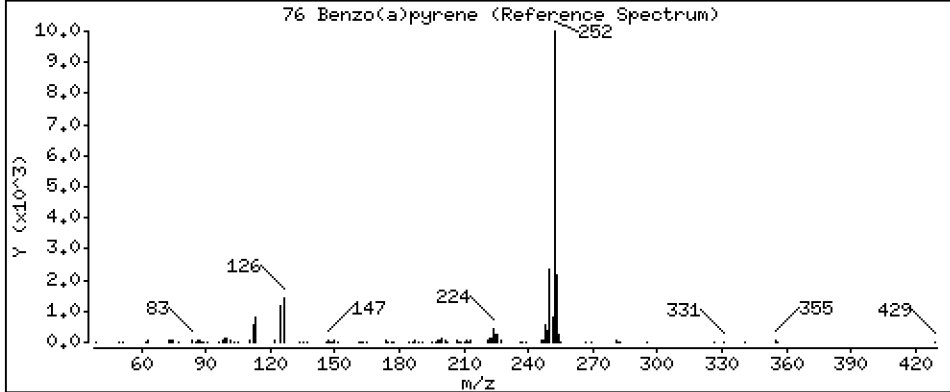
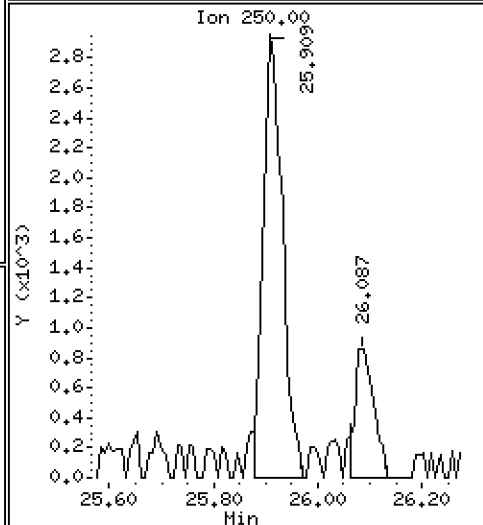
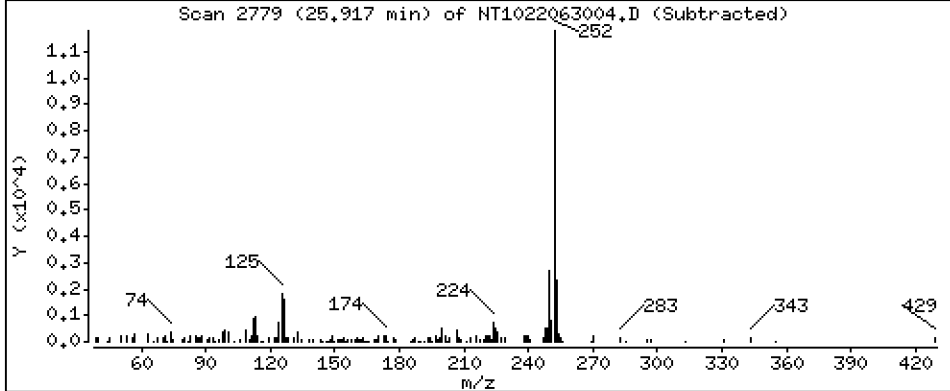
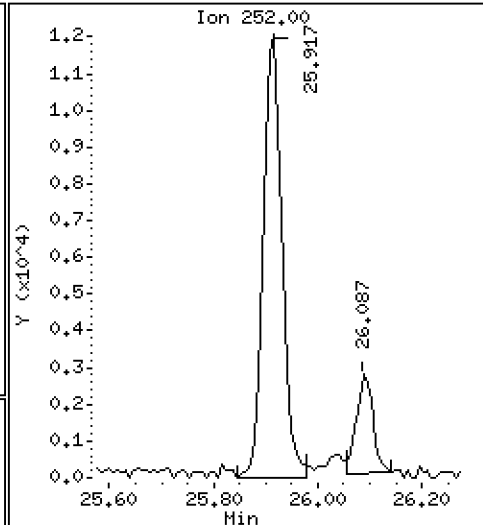
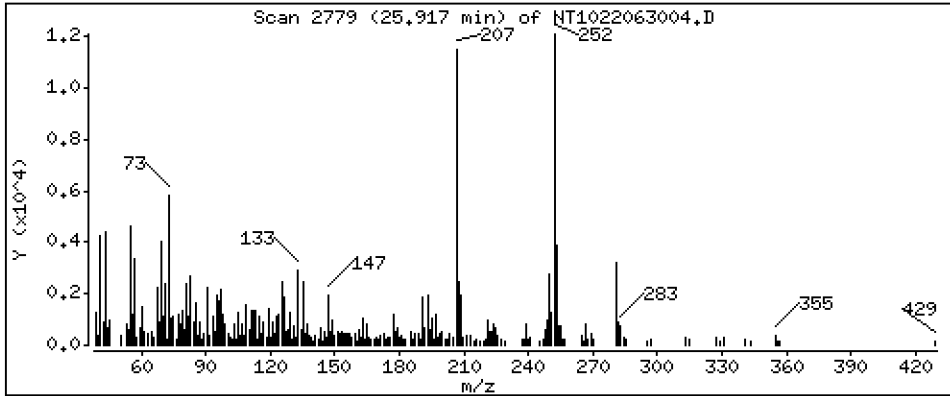
Operator: VTS

Column phase: ZB-5msi

Column diameter: 0,25

76 Benzo(a)pyrene

Concentration: 0,4004 ug/mL



Date : 30-JUN-2022 15:27

Client ID:

Instrument: nt10.i

Sample Info: SKG0010-LCV1

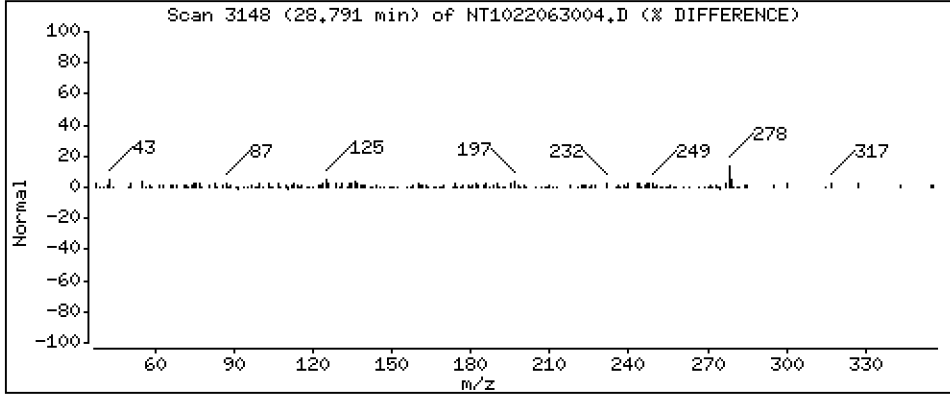
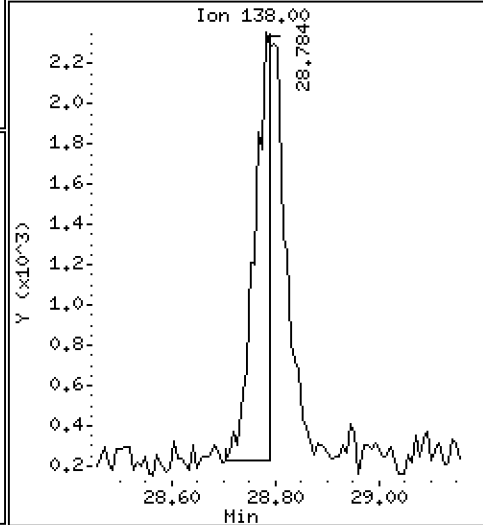
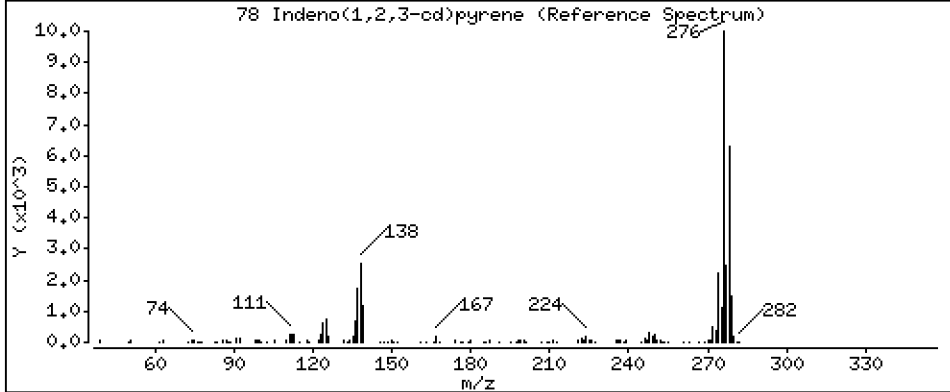
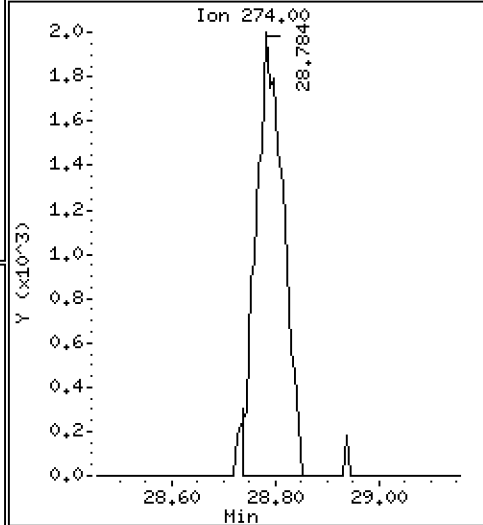
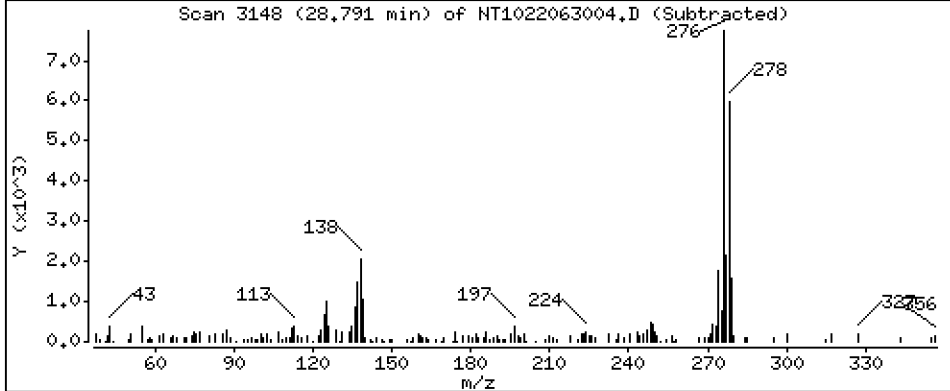
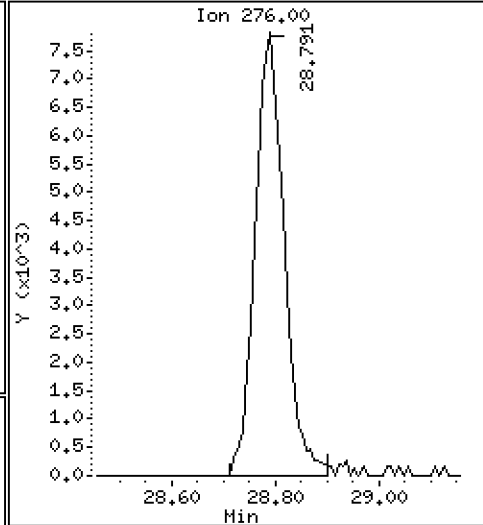
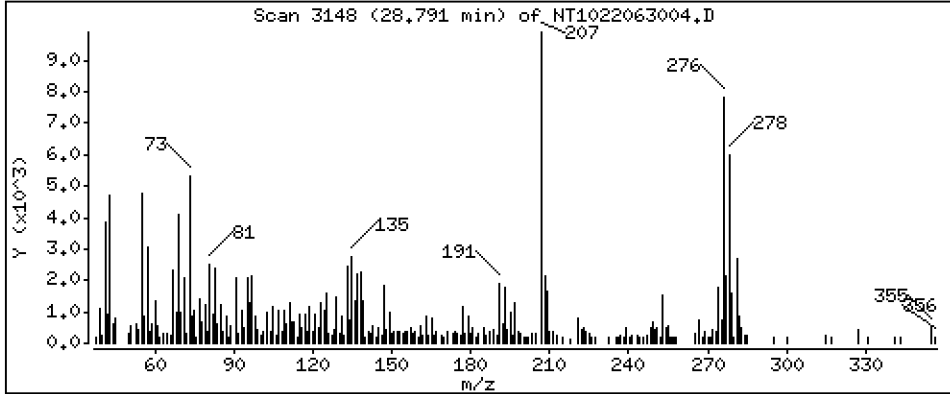
Operator: VTS

Column phase: ZB-5msi

Column diameter: 0,25

78 Indeno(1,2,3-cd)pyrene

Concentration: 0,3824 ug/mL



Date : 30-JUN-2022 15:27

Client ID:

Instrument: nt10.i

Sample Info: SKG0010-LCV1

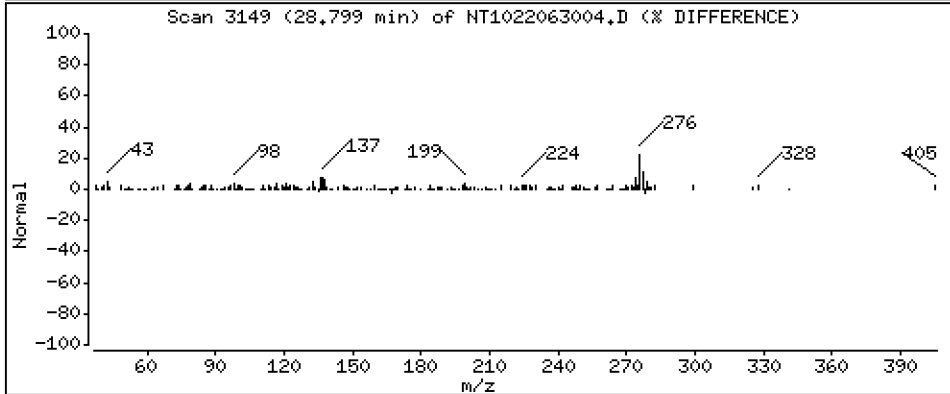
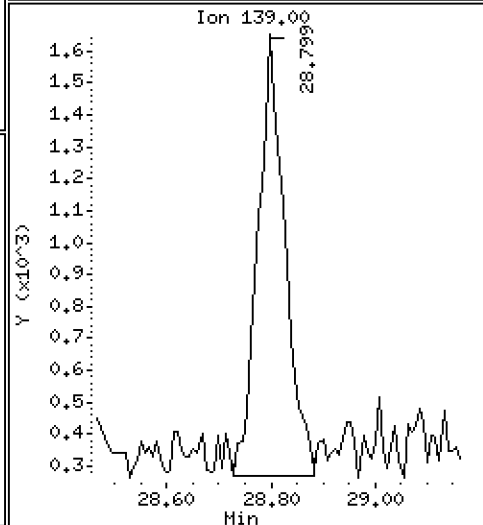
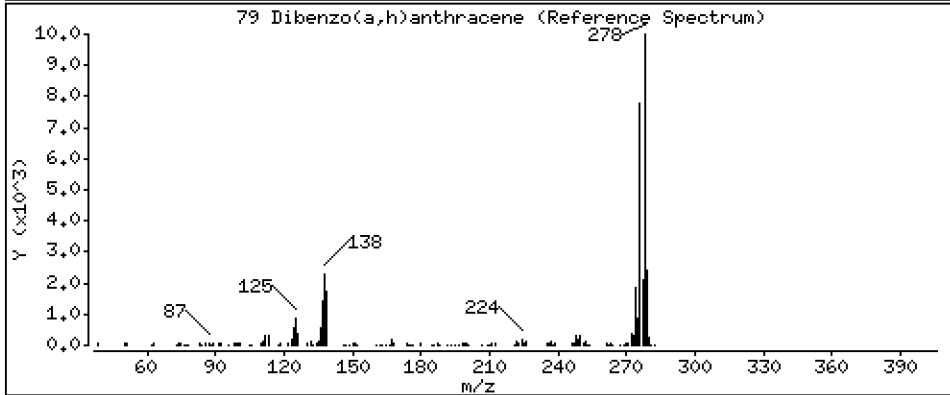
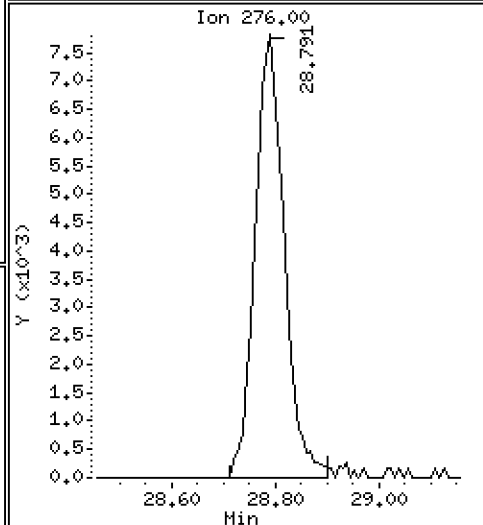
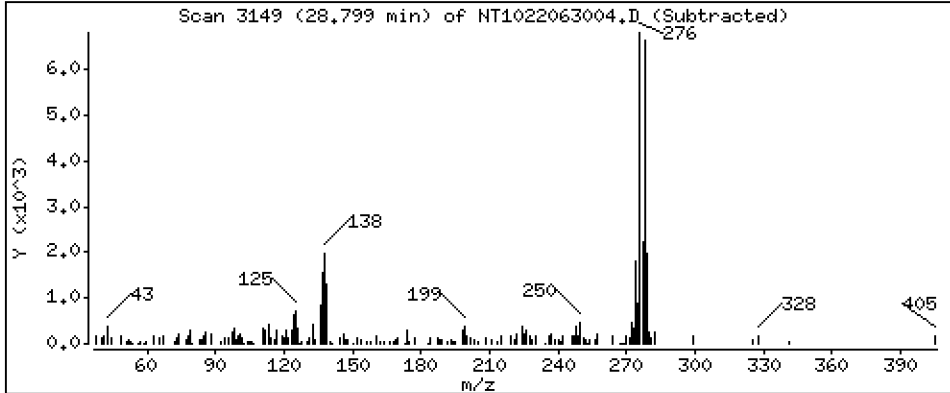
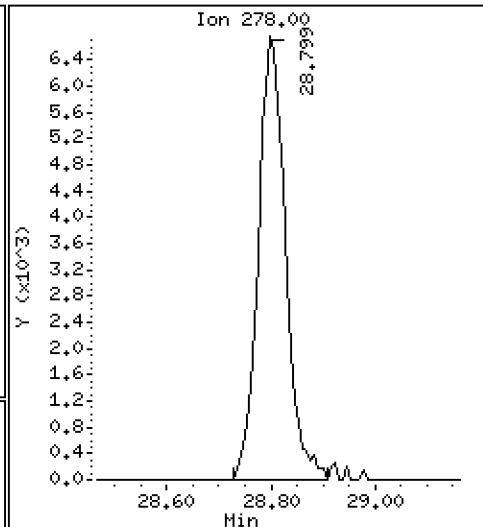
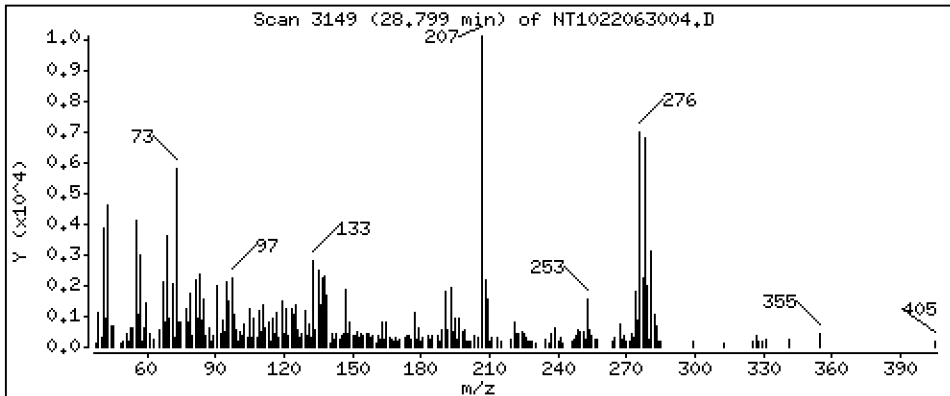
Operator: VTS

Column phase: ZB-5msi

Column diameter: 0,25

79 Dibenzo(a,h)anthracene

Concentration: 0,4000 ug/mL



Date : 30-JUN-2022 15:27

Client ID:

Instrument: nt10.i

Sample Info: SKG0010-LCV1

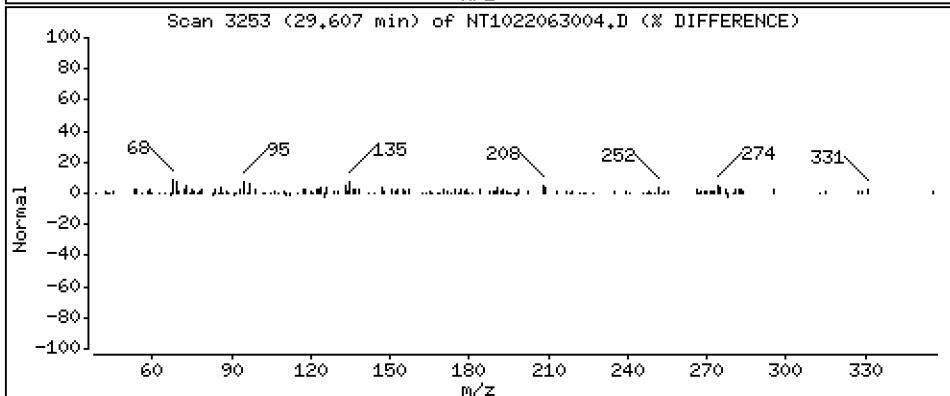
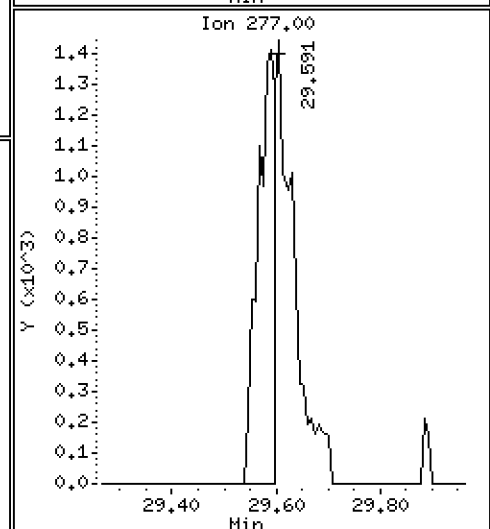
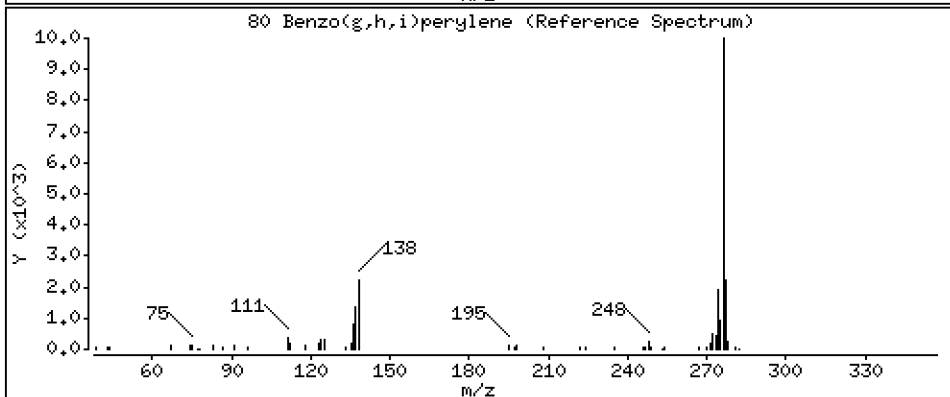
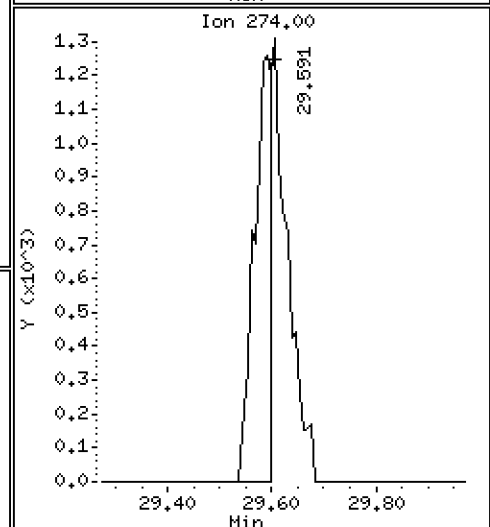
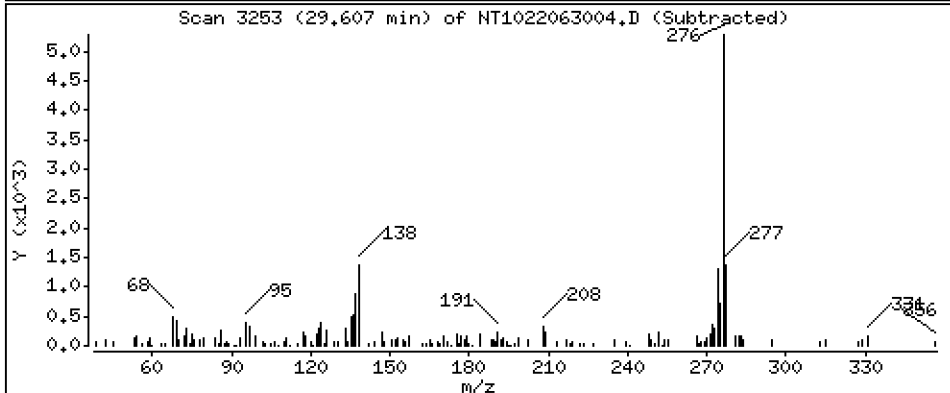
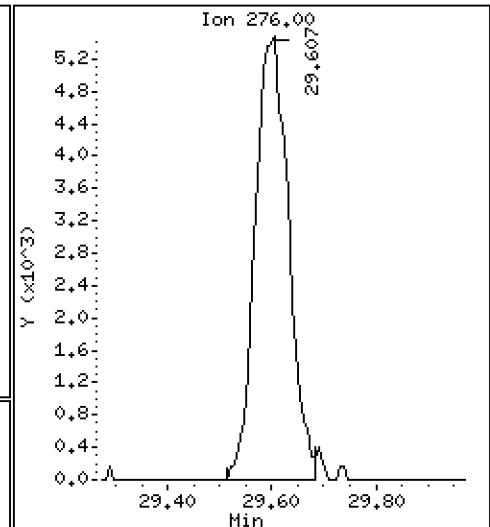
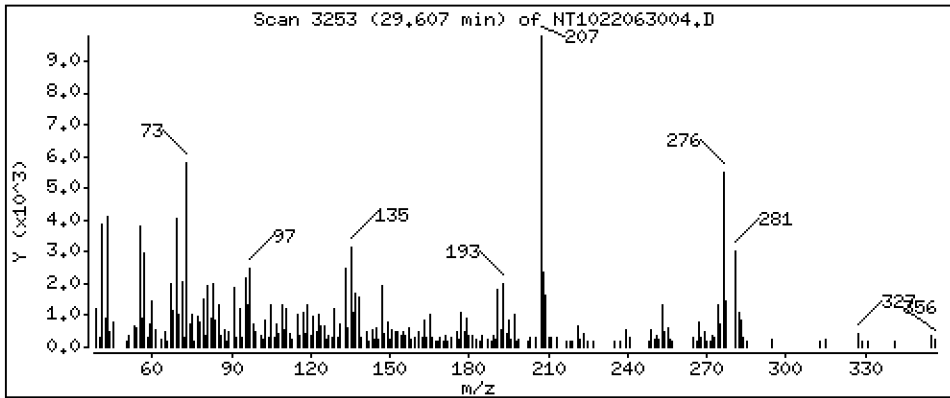
Operator: VTS

Column phase: ZB-5msi

Column diameter: 0,25

80 Benzo(g,h,i)perylene

Concentration: 0,3882 ug/mL



Date : 30-JUN-2022 15:27

Client ID:

Instrument: nt10.i

Sample Info: SKG0010-LCV1

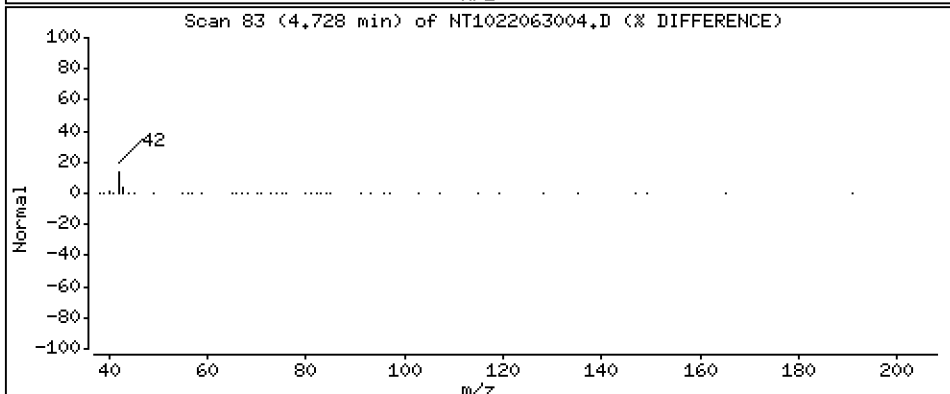
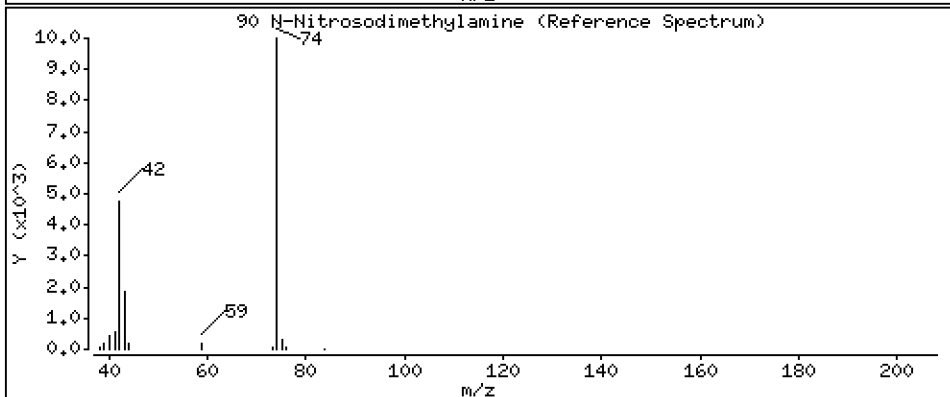
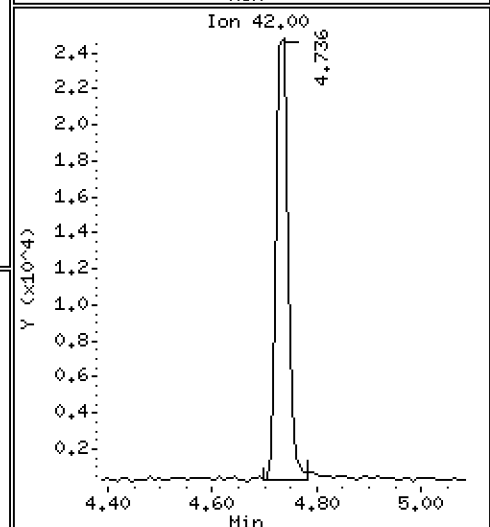
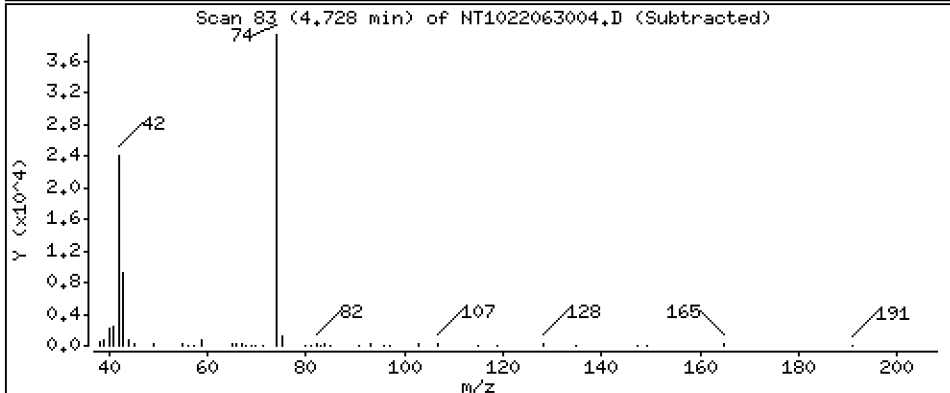
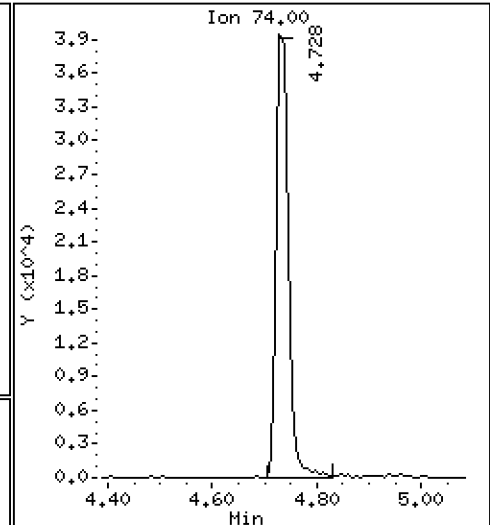
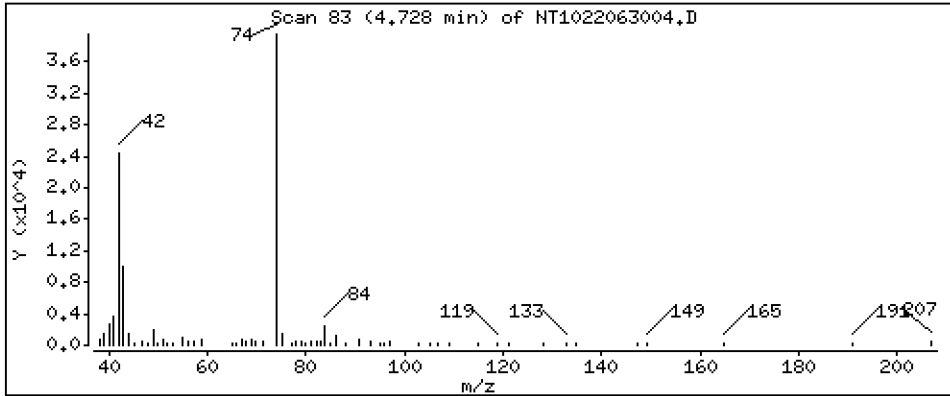
Operator: VTS

Column phase: ZB-5msi

Column diameter: 0.25

90 N-Nitrosodimethylamine

Concentration: 0.7578 ug/mL



Date : 30-JUN-2022 15:27

Client ID:

Instrument: nt10.i

Sample Info: SKG0010-LCV1

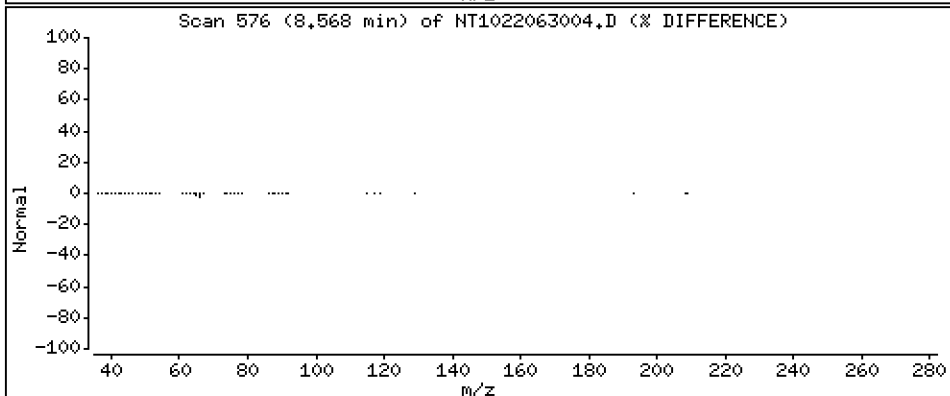
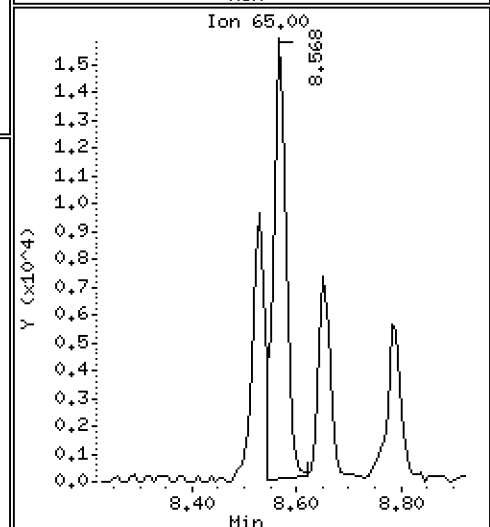
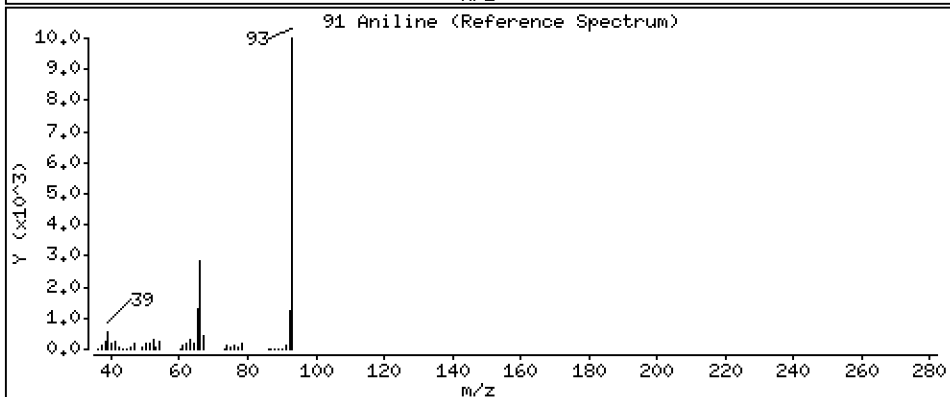
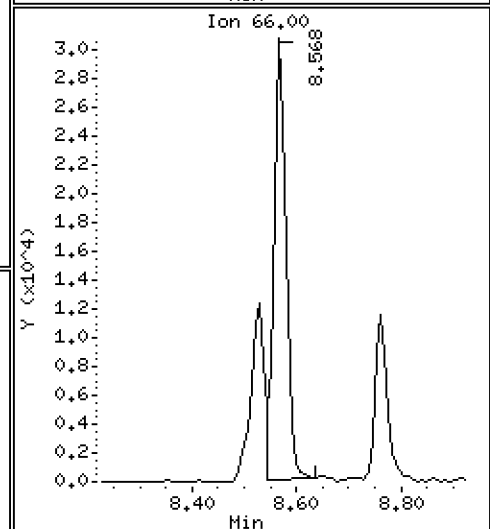
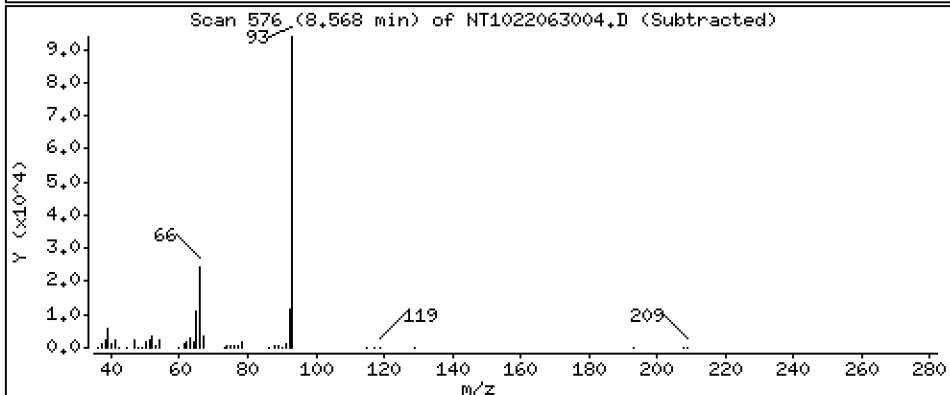
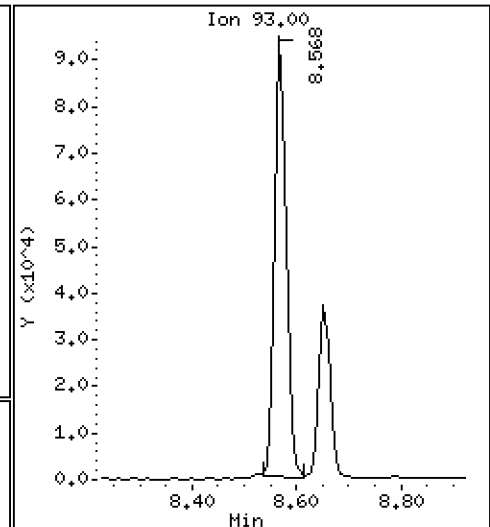
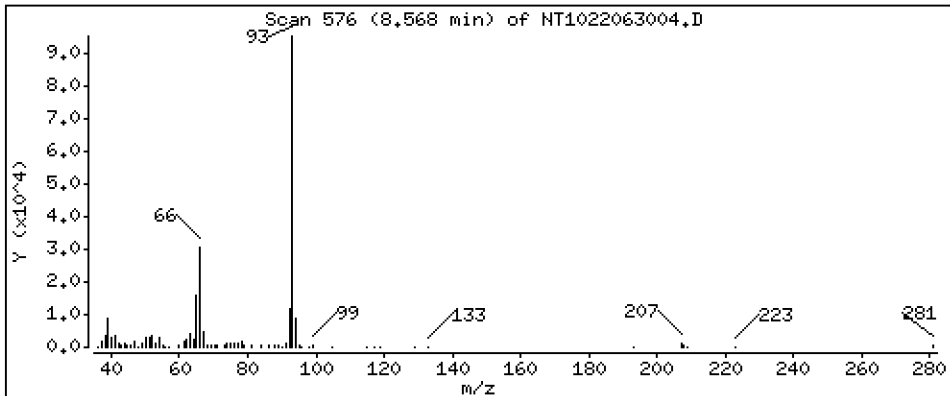
Operator: VTS

Column phase: ZB-5msi

Column diameter: 0,25

91 Aniline

Concentration: 0,8970 ug/mL



Date : 30-JUN-2022 15:27

Client ID:

Instrument: nt10.i

Sample Info: SKG0010-LCV1

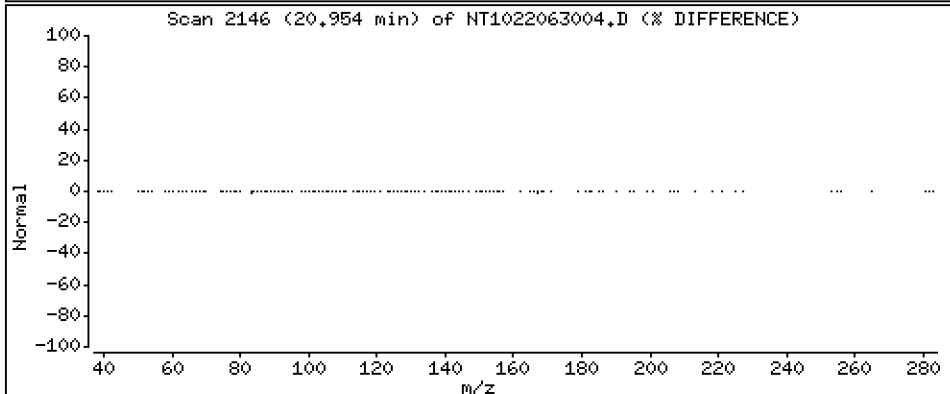
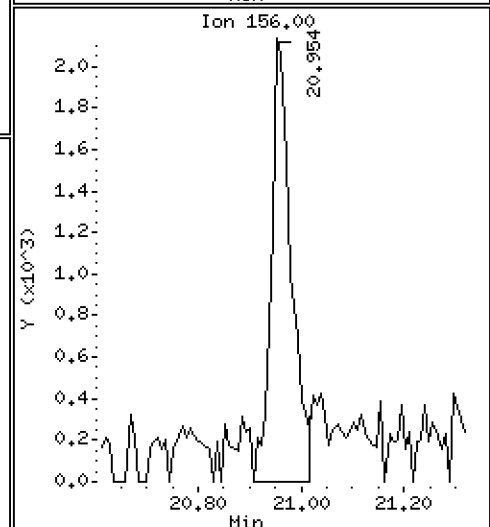
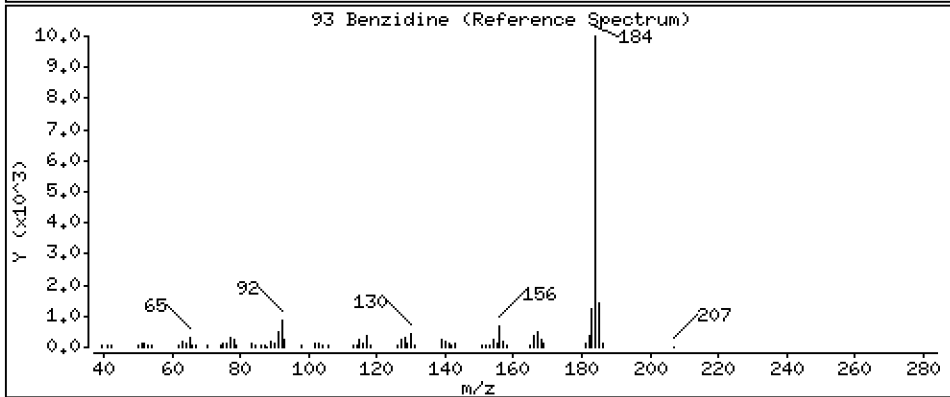
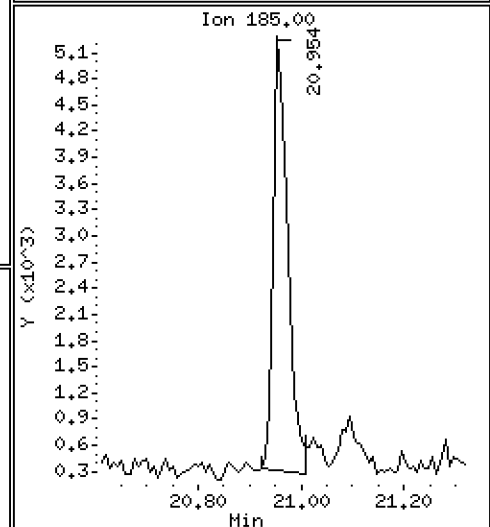
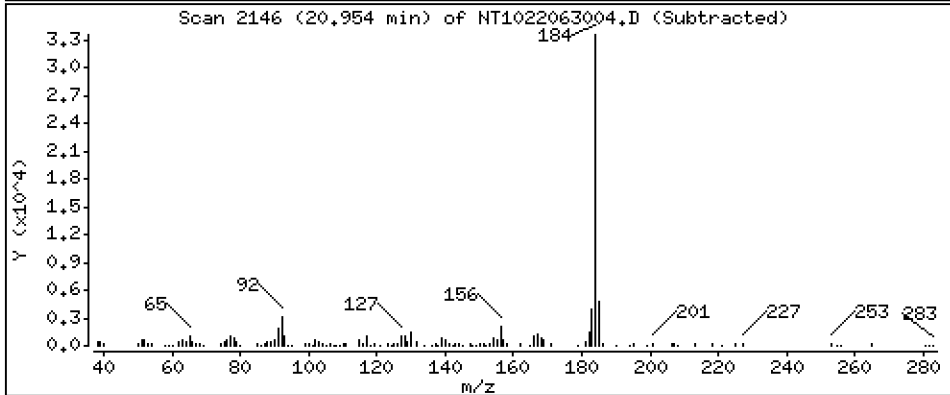
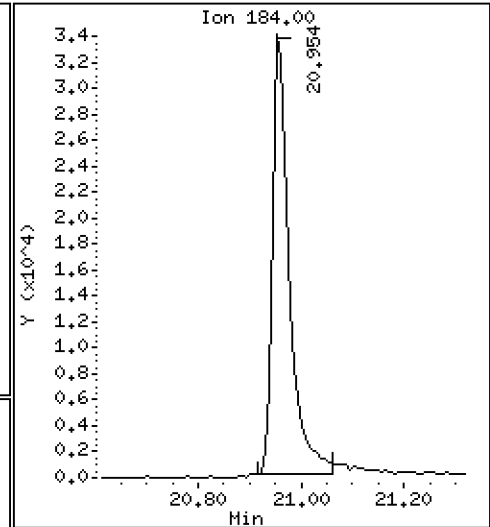
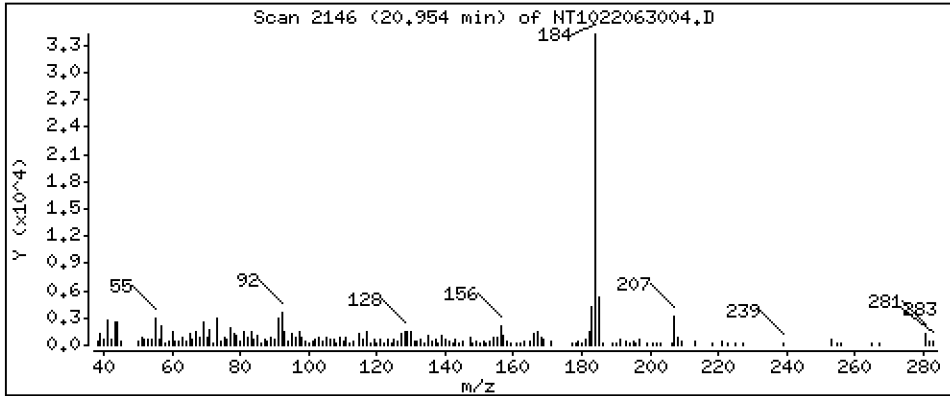
Operator: VTS

Column phase: ZB-5msi

Column diameter: 0,25

93 Benzidine

Concentration: 1,525 ug/mL



Date : 30-JUN-2022 15:27

Client ID:

Instrument: nt10.i

Sample Info: SKG0010-LCV1

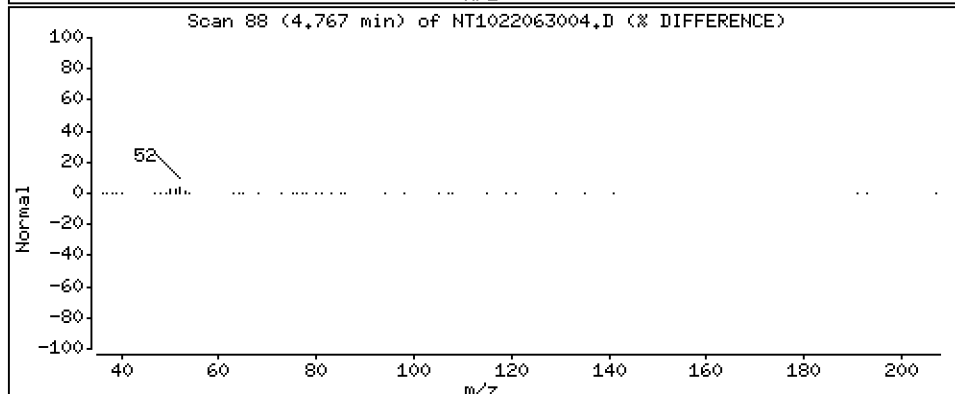
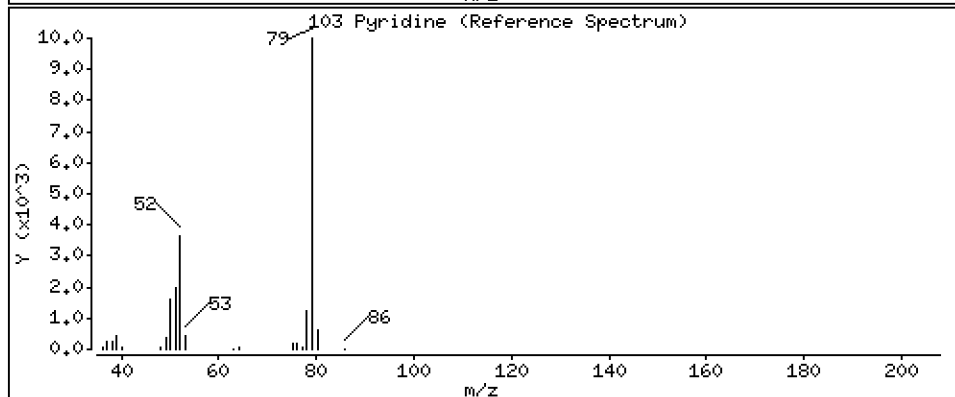
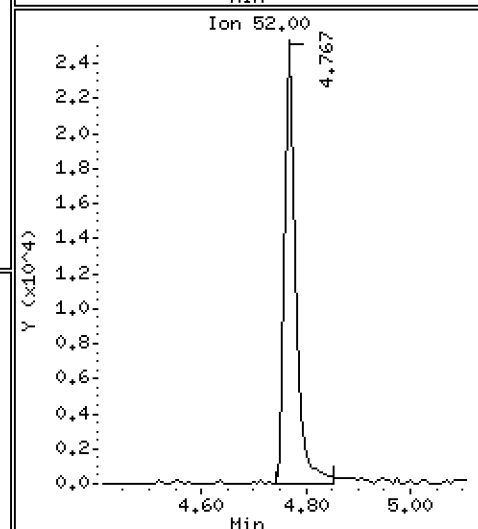
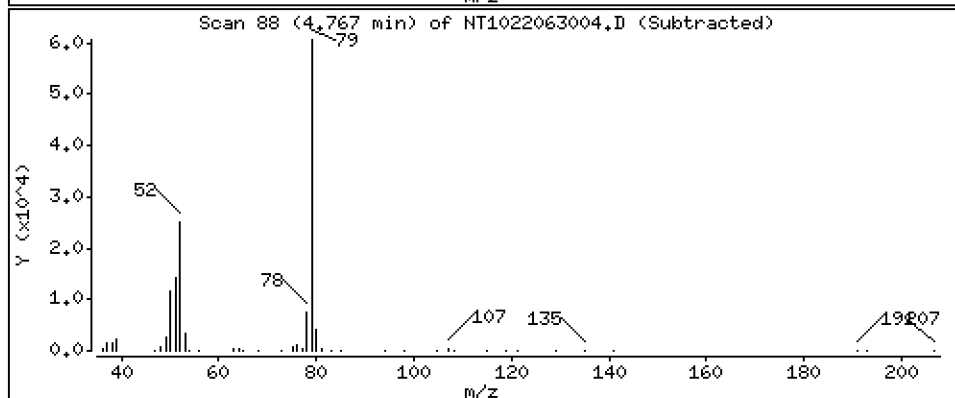
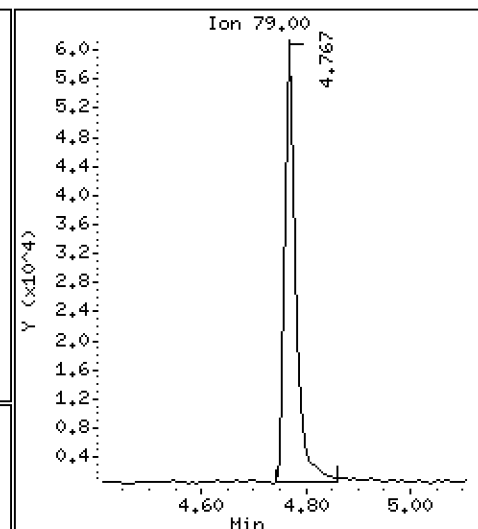
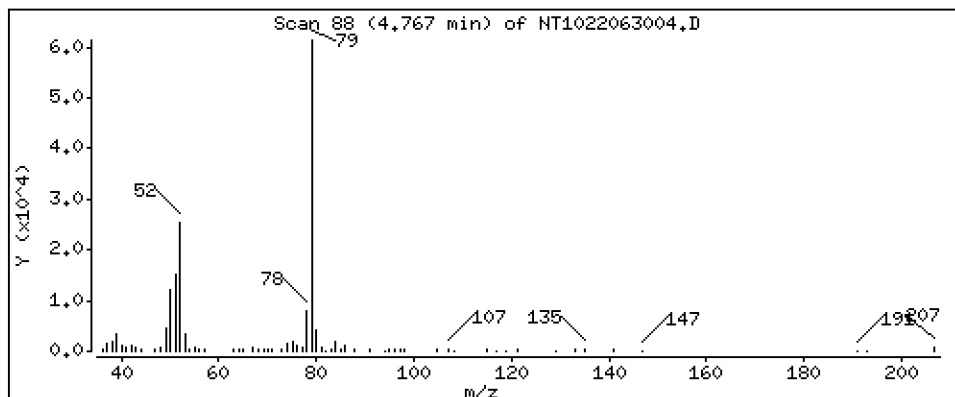
Operator: VTS

Column phase: ZB-5msi

Column diameter: 0,25

103 Pyridine

Concentration: 0,3969 ug/mL



Date : 30-JUN-2022 15:27

Client ID:

Instrument: nt10.i

Sample Info: SKG0010-LCV1

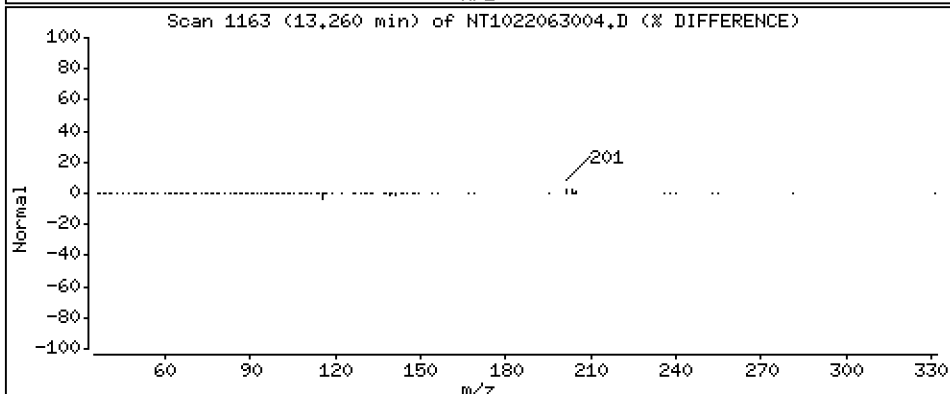
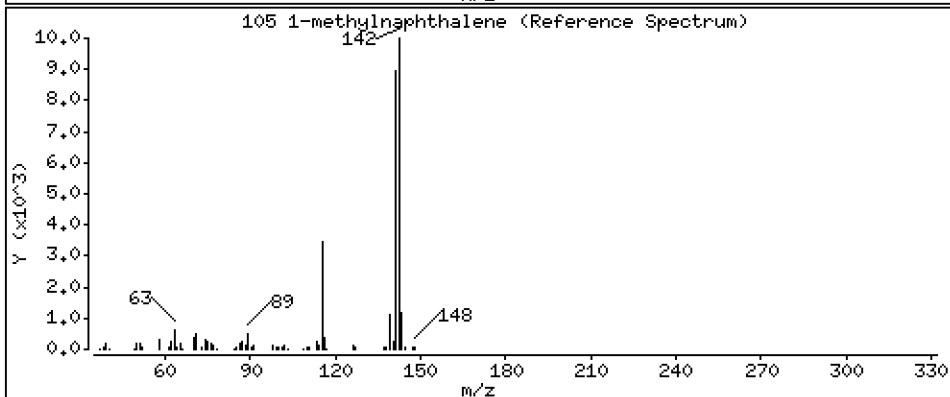
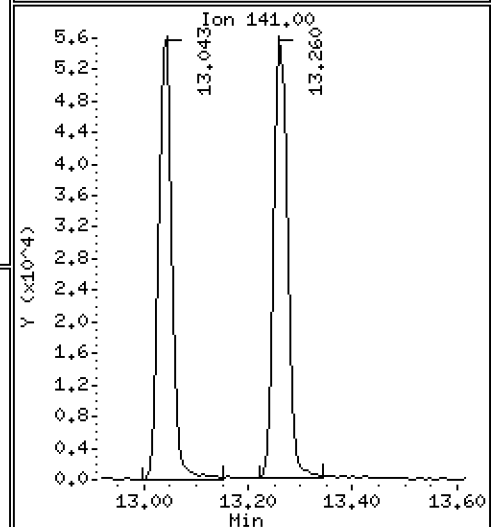
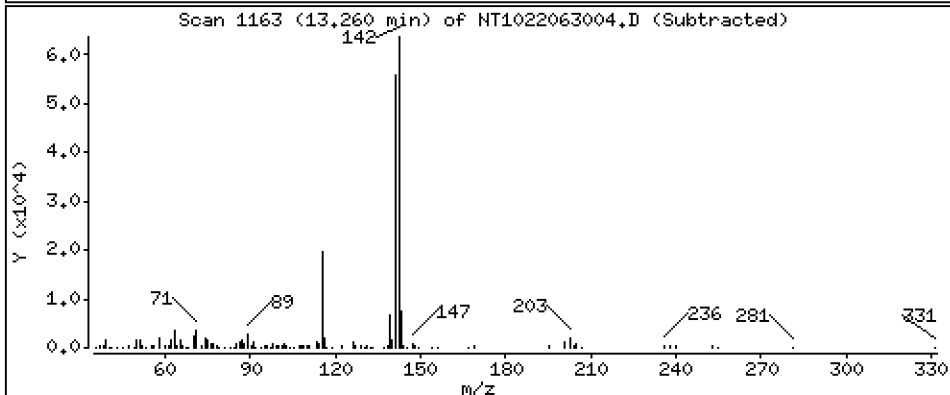
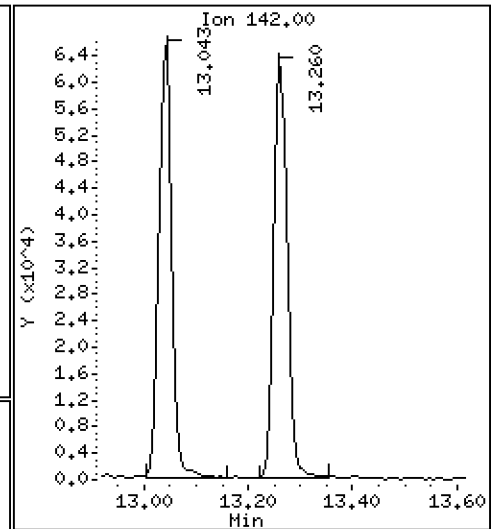
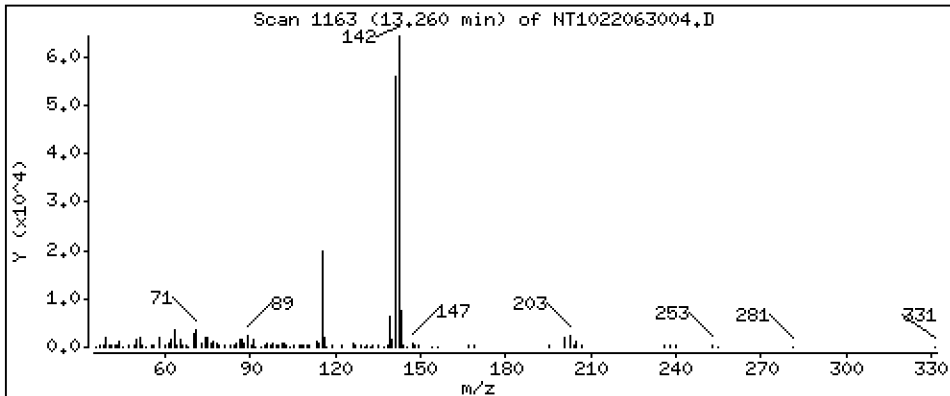
Operator: VTS

Column phase: ZB-5msi

Column diameter: 0,25

105 1-methylnaphthalene

Concentration: 0,4057 ug/mL



Date : 30-JUN-2022 15:27

Client ID:

Instrument: nt10.i

Sample Info: SKG0010-LCV1

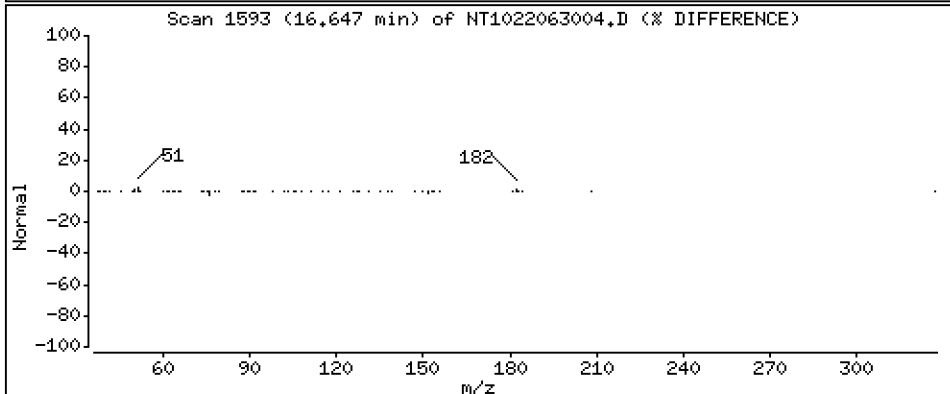
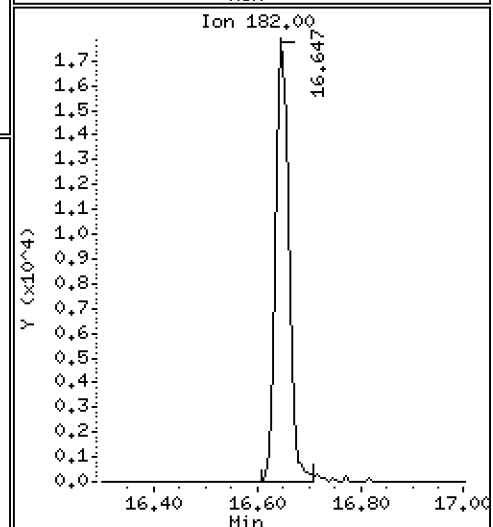
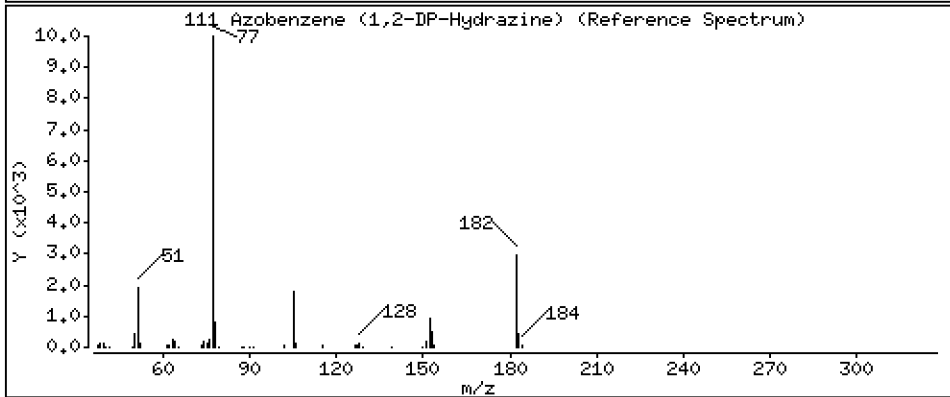
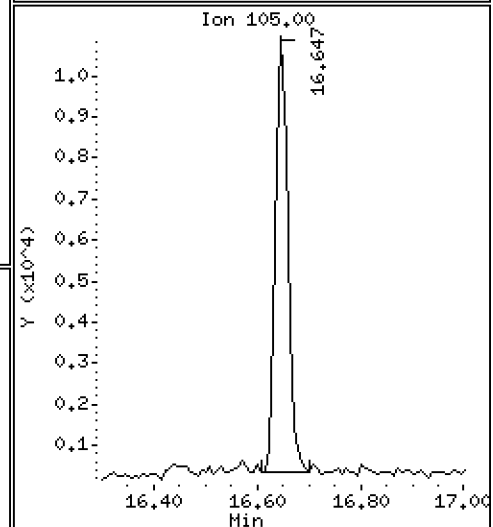
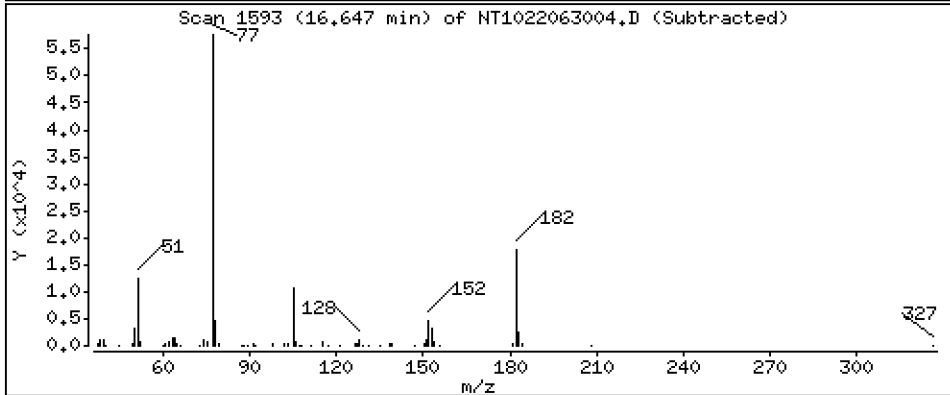
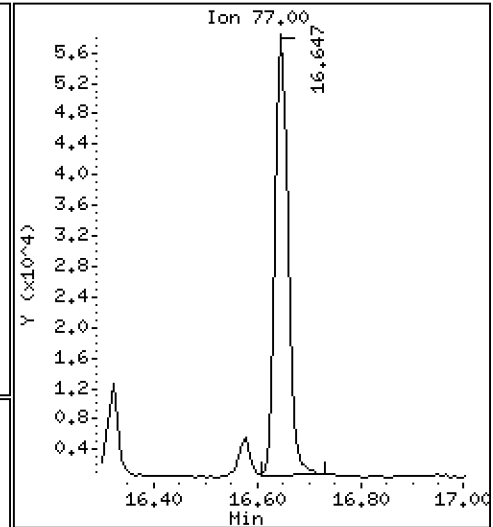
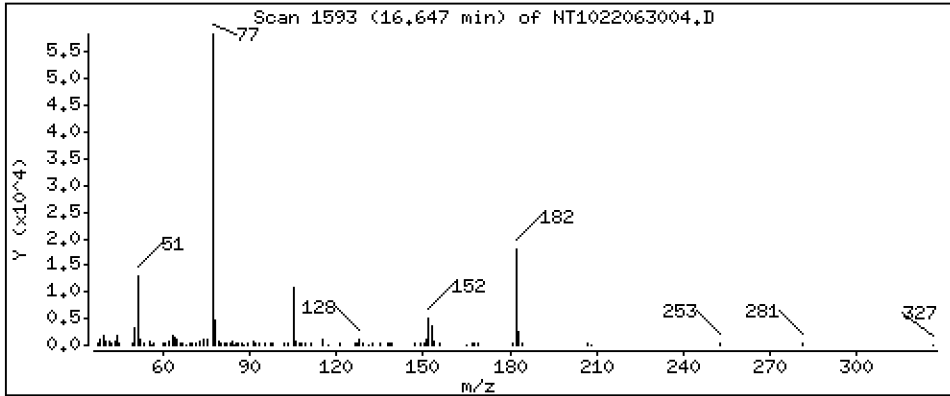
Operator: VTS

Column phase: ZB-5msi

Column diameter: 0.25

111 Azobenzene (1,2-DP-Hydrazine)

Concentration: 0.4299 ug/mL



Date : 30-JUN-2022 15:27

Client ID:

Instrument: nt10.i

Sample Info: SKG0010-LCV1

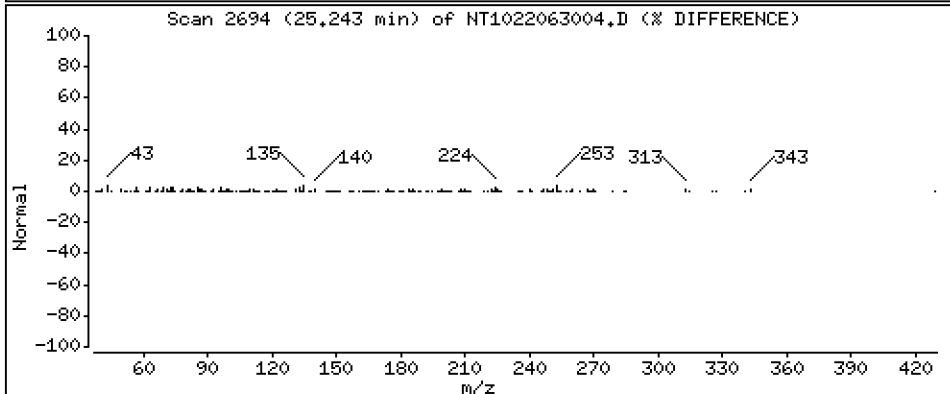
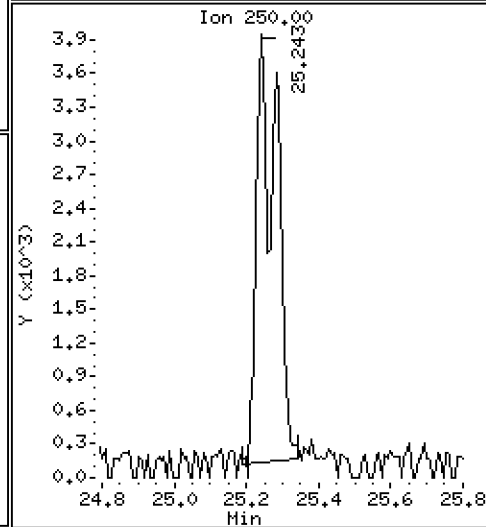
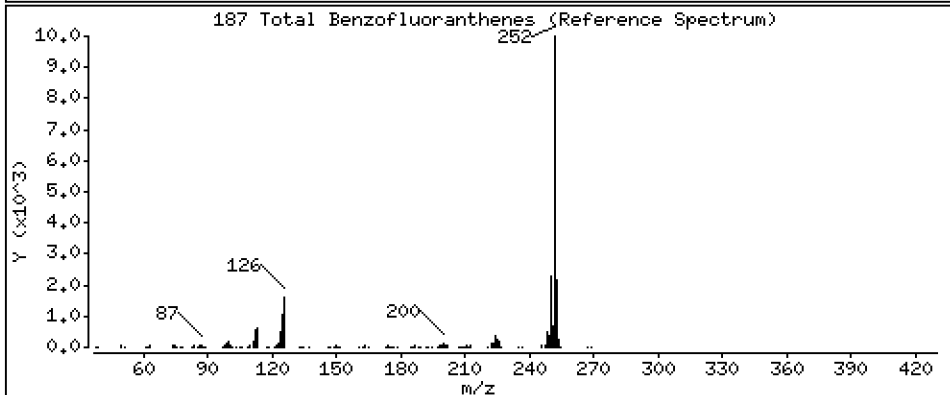
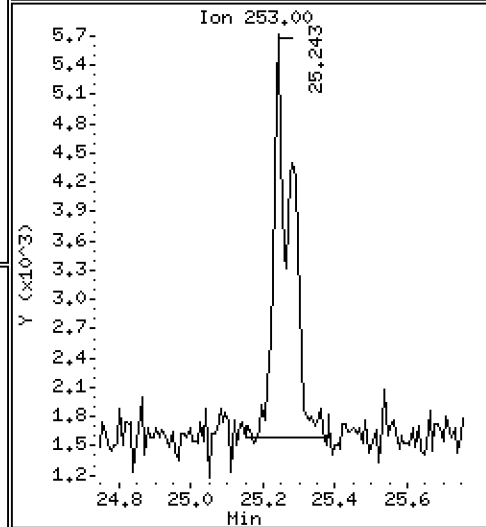
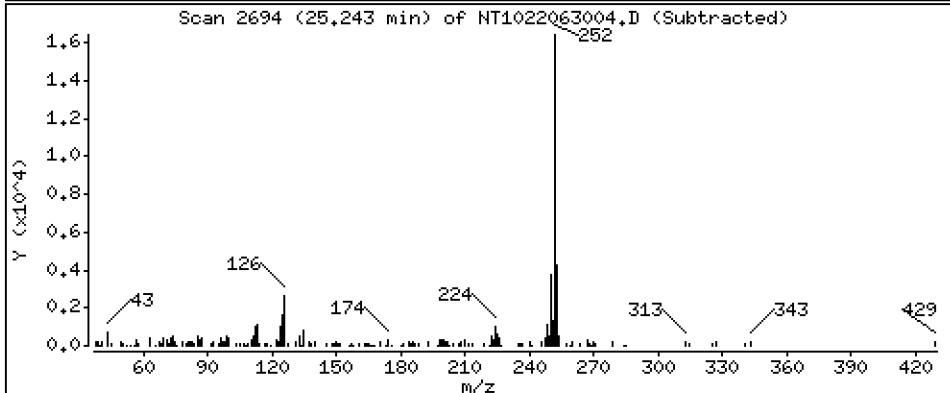
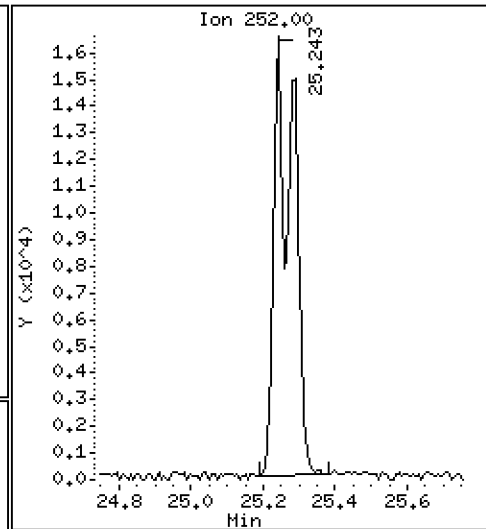
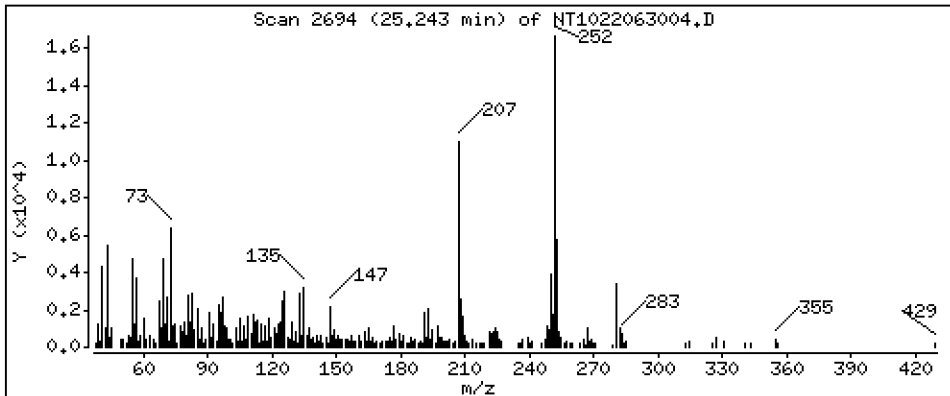
Operator: VTS

Column phase: ZB-5msi

Column diameter: 0,25

187 Total Benzofluoranthenes

Concentration: 0,7269 ug/mL



Date : 30-JUN-2022 15:27

Client ID:

Instrument: nt10.i

Sample Info: SKG0010-LCV1

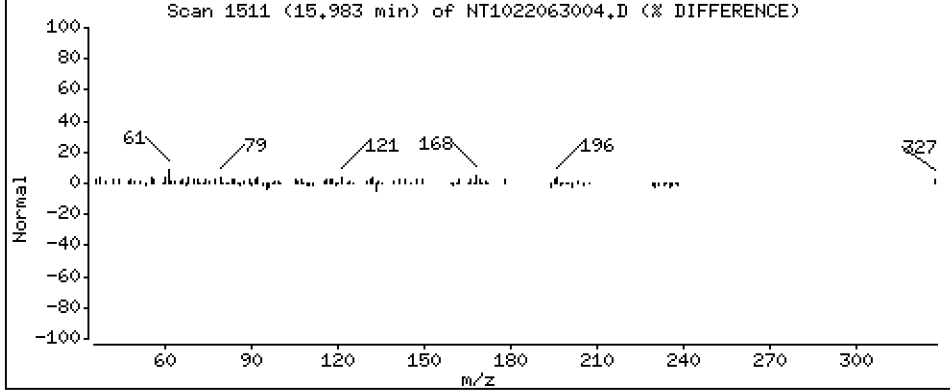
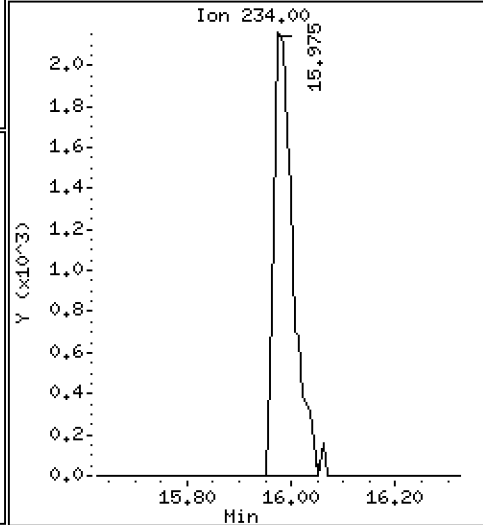
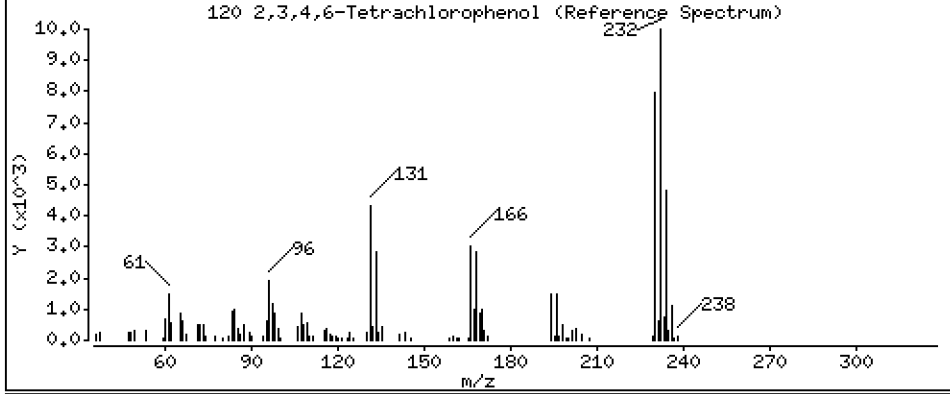
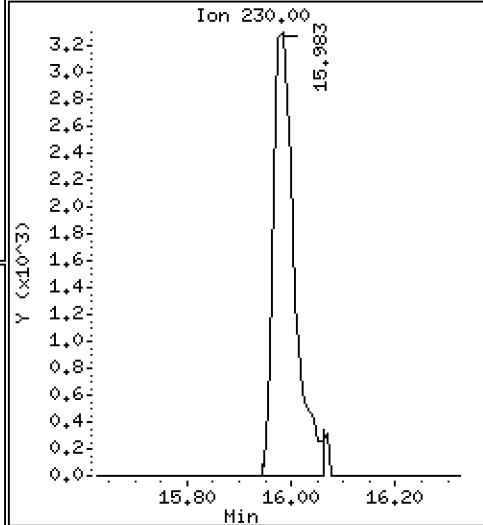
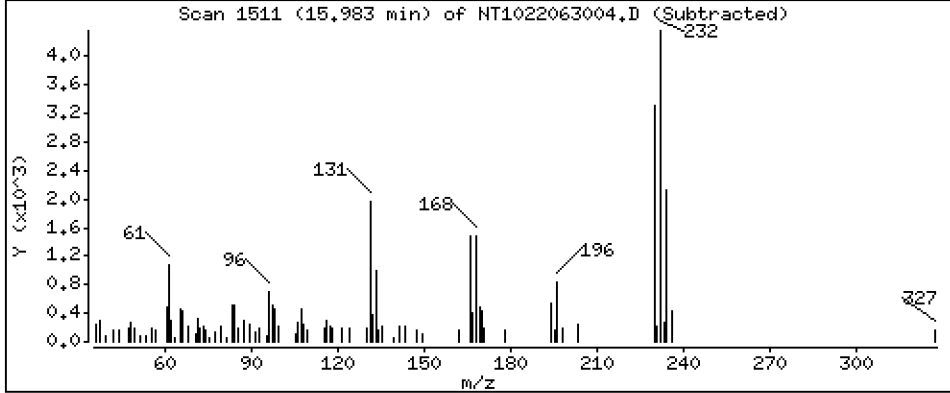
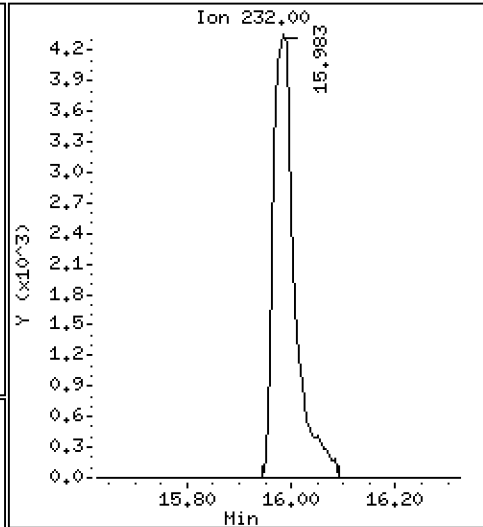
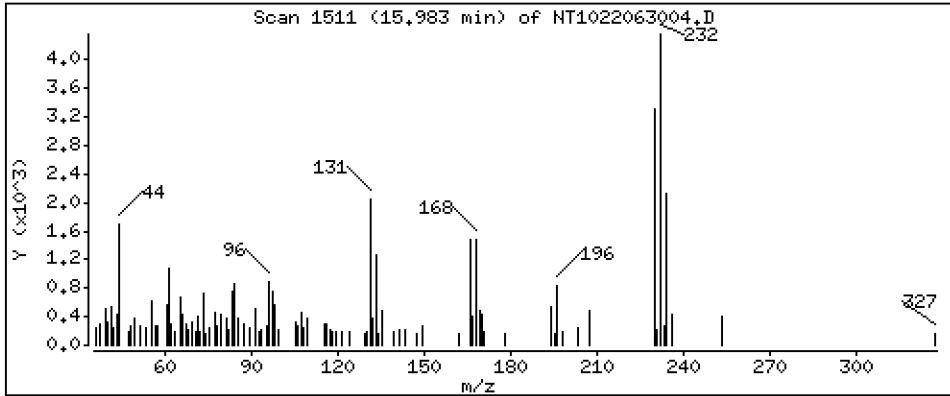
Operator: VTS

Column phase: ZB-5msi

Column diameter: 0,25

120 2,3,4,6-Tetrachlorophenol

Concentration: 0,2491 ug/mL



ARI Labs, Inc.

Semivolatile Report SW846 Method 8270D

Data file : \\target\share\chem3\nt10.i\20220630.b\NT1022063004.D
 Lab Smp Id: SKG0010-LCV1
 Inj Date : 30-JUN-2022 15:27
 Operator : VTS
 Smp Info : SKG0010-LCV1
 Misc Info :
 Comment : 1ul Injection
 Method : \\target\share\chem3\nt10.i\20220630.b\ABN.m
 Meth Date : 01-Jul-2022 17:13 yev
 Cal Date : 23-JUN-2022 13:07
 Als bottle: 18
 Dil Factor: 1.00000
 Integrator: HP RTE
 Target Version: 4.14
 Processing Host: ORGDATA102

Inst ID: nt10.i

Quant Type: ISTD
 Cal File: NT1022062308.D

Compound Sublist: ICAL.sub

Compounds	QUANT	SIG	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS	
							ON-COLUMN	FINAL
	MASS						(ug/mL)	(ug/mL)
\$ 1 2-Fluorophenol	112		6.922	6.922	(0.760)	85992	0.70782	0.7078
\$ 2 Phenol-d5	99		8.506	8.513	(0.934)	104846	0.58163	0.5816
3 Phenol	94		8.529	8.529	(0.936)	69656	0.44345	0.4435
\$ 5 2-Chlorophenol-d4	132		8.760	8.768	(0.962)	82538	0.66676	0.6668
4 Bis(2-Chloroethyl)ether	93		8.652	8.660	(0.950)	54398	0.48120	0.4812
6 2-Chlorophenol	128		8.791	8.791	(0.965)	56585	0.45186	0.4519
7 1,3-Dichlorobenzene	146		9.047	9.055	(0.993)	66941	0.49423	0.4942
* 8 1,4-Dichlorobenzene-d4	152		9.109	9.117	(1.000)	332704	4.00000	
9 1,4-Dichlorobenzene	146		9.140	9.148	(1.003)	44935	0.42088	0.4209
\$ 10 1,2-Dichlorobenzene-d4	152		9.474	9.474	(1.040)	34133	0.44748	0.4475
12 1,2-Dichlorobenzene	146		9.497	9.505	(1.043)	53559	0.47255	0.4725
11 Benzyl alcohol	108		9.396	9.396	(1.032)	28171	0.45021	0.4502
14 2,2'-oxybis(1-Chloropropane)	121		9.683	9.683	(1.063)	11751	0.43841	0.4384
13 2-Methylphenol	108		9.629	9.637	(1.057)	40878	0.42209	0.4221
17 Hexachloroethane	117		10.087	10.087	(1.107)	21423	0.45013	0.4501
16 N-Nitroso-di-n-propylamine	70		9.932	9.939	(1.090)	27817	0.41299	0.4130
15 4-Methylphenol	108		9.901	9.901	(1.087)	41818	0.40404	0.4040
\$ 18 Nitrobenzene-d5	82		10.203	10.211	(0.880)	47928	0.42411	0.4241
19 Nitrobenzene	77		10.242	10.242	(0.883)	46677	0.40980	0.4098
20 Isophorone	82		10.684	10.692	(0.921)	59422	0.36063	0.3606
21 2-Nitrophenol	139		10.868	10.876	(0.937)	26341	0.36614	0.3661
22 2,4-Dimethylphenol	107		10.936	10.944	(0.943)	74464	0.85203	0.8520
23 Bis(2-Chloroethoxy)methane	93		11.114	11.123	(0.958)	47498	0.47981	0.4798
24 Benzoic acid	105		11.114	11.123	(0.958)	2192	0.04871	0.04871
25 2,4-Dichlorophenol	162		11.352	11.352	(0.979)	69278	0.77995	0.7800
26 1,2,4-Trichlorobenzene	180		11.511	11.519	(0.993)	47880	0.50220	0.5022
* 27 Naphthalene-d8	136		11.596	11.604	(1.000)	1062043	4.00000	
28 Naphthalene	128		11.635	11.643	(1.003)	111963	0.41192	0.4119
29 4-Chloroaniline	127		11.774	11.774	(1.015)	86728	0.72263	0.7226
30 Hexachlorobutadiene	225		11.990	11.998	(1.034)	21024	0.46223	0.4622
31 4-Chloro-3-methylphenol	107		12.772	12.764	(1.101)	70950	0.67735	0.6773
32 2-Methylnaphthalene	142		13.043	13.043	(1.125)	107941	0.39957	0.3996
33 Hexachlorocyclopentadiene	237		13.507	13.507	(0.888)	282	0.00889	0.008895

Compounds	QUANT SIG					CONCENTRATIONS		
	MASS	RT	EXP RT	REL RT	RESPONSE	ON-COLUMN (ug/mL)	FINAL (ug/mL)	
34 2,4,6-Trichlorophenol	196	13.685	13.677	(0.899)	51906	0.82078	0.8208	
35 2,4,5-Trichlorophenol	196	13.786	13.770	(0.906)	58059	0.76455	0.7646	
§ 36 2-Fluorobiphenyl	172	13.817	13.824	(0.908)	115080	0.45703	0.4570	
37 2-Chloronaphthalene	162	14.033	14.041	(0.922)	99661	0.44898	0.4490	
38 2-Nitroaniline	65	14.304	14.304	(0.940)	49182	0.82831	0.8283	
39 Dimethylphthalate	163	14.722	14.730	(0.967)	95280	0.48829	0.4883	
40 Acenaphthylene	152	14.908	14.916	(0.980)	170592	0.52447	0.5245	
41 2,6-Dinitrotoluene	165	14.869	14.869	(0.977)	42512	0.93806	0.9381	
* 42 Acenaphthene-d10	164	15.217	15.225	(1.000)	556429	4.00000		
43 3-Nitroaniline	138	15.163	15.163	(0.996)	49041	0.91923	0.9192	
44 Acenaphthene	153	15.287	15.295	(1.005)	66357	0.41006	0.4101	
45 2,4-Dinitrophenol	184	Compound Not Detected.						
46 Dibenzofuran	168	15.612	15.619	(1.026)	113793	0.44247	0.4425	
47 4-Nitrophenol	109	15.588	15.550	(1.024)	2483	0.14267	0.1427	
48 2,4-Dinitrotoluene	165	15.681	15.689	(1.030)	45361	0.74889	0.7489	
50 Diethylphthalate	149	16.184	16.191	(1.063)	82285	0.49158	0.4916	
49 Fluorene	166	16.331	16.338	(1.073)	131655	0.42843	0.4284	
51 4-Chlorophenyl-phenylether	204	16.323	16.331	(1.073)	39560	0.29315	0.2931	
52 4-Nitroaniline	138	16.446	16.439	(1.081)	54077	1.01202	1.012	
53 4,6-Dinitro-2-methylphenol	198	16.554	16.539	(0.906)	1052	0.02645	0.02645	
54 N-Nitrosodiphenylamine	169	16.577	16.577	(0.907)	81544	0.51153	0.5115	
§ 55 2,4,6-Tribromophenol	330	16.886	16.878	(1.110)	10781	0.42973	0.4297	
56 4-Bromophenyl-phenylether	248	17.325	17.333	(0.948)	34020	0.46061	0.4606	
57 Hexachlorobenzene	284	17.650	17.658	(0.966)	35936	0.50691	0.5069	
58 Pentachlorophenol	266	18.060	18.029	(0.989)	210	0.01385	0.01385 (M)	
* 59 Phenanthrene-d10	188	18.269	18.277	(1.000)	1013804	4.00000		
60 Phenanthrene	178	18.323	18.331	(1.003)	106852	0.40118	0.4012	
61 Anthracene	178	18.416	18.424	(1.008)	117550	0.41415	0.4142	
62 Carbazole	167	18.757	18.757	(1.027)	124005	0.47357	0.4736	
63 Di-n-butylphthalate	149	19.546	19.554	(1.070)	155256	0.39525	0.3952	
64 Fluoranthene	202	20.714	20.722	(0.887)	146169	0.63234	0.6323	
65 Pyrene	202	21.140	21.147	(0.905)	139448	0.68914	0.6891	
§ 66 Terphenyl-d14	244	21.426	21.434	(0.918)	86055	0.75333	0.7533	
67 Butylbenzylphthalate	149	22.355	22.363	(0.958)	44090	0.66673	0.6667	
68 Benzo(a)anthracene	228	23.315	23.331	(0.999)	56474	0.40714	0.4071	
* 69 Chrysene-d12	240	23.346	23.354	(1.000)	327341	4.00000		
70 3,3'-Dichlorobenzidine	252	23.276	23.284	(0.997)	56623	1.25273	1.253	
71 Chrysene	228	23.393	23.400	(1.002)	39029	0.42398	0.4240	
72 bis(2-Ethylhexyl)phthalate	149	23.393	23.400	(0.959)	33094	0.53617	0.5362	
* 134 Di-n-octylphthalate-d4	153	24.399	24.407	(1.000)	558419	4.00000		
73 Di-n-octylphthalate	149	24.407	24.415	(1.000)	57665	0.45433	0.4543	
74 Benzo(b)fluoranthene	252	25.243	25.251	(0.970)	30356	0.33151	0.3315	
75 Benzo(k)fluoranthene	252	25.289	25.297	(0.971)	34585	0.39278	0.3928	
76 Benzo(a)pyrene	252	25.917	25.924	(0.996)	30009	0.40042	0.4004	
* 77 Perylene-d12	264	26.033	26.041	(1.000)	202190	4.00000		
78 Indeno(1,2,3-cd)pyrene	276	28.791	28.806	(1.106)	30600	0.38241	0.3824	
79 Dibenzo(a,h)anthracene	278	28.799	28.814	(1.106)	24505	0.40004	0.4000	
80 Benzo(g,h,i)perylene	276	29.606	29.622	(1.137)	24829	0.38817	0.3882	
90 N-Nitrosodimethylamine	74	4.728	4.736	(0.519)	60238	0.75783	0.7578	
91 Aniline	93	8.567	8.575	(0.941)	140916	0.89698	0.8970	
93 Benzidine	184	20.954	20.962	(0.898)	73662	1.52535	1.525	
103 Pyridine	79	4.766	4.759	(0.523)	89437	0.39692	0.3969	
105 1-methylnaphthalene	142	13.259	13.267	(1.143)	107682	0.40573	0.4057	
111 Azobenzene (1,2-DP-Hydrazine)	77	16.647	16.655	(1.094)	95527	0.42986	0.4299	

Compounds	QUANT SIG	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS	
						ON-COLUMN (ug/mL)	FINAL (ug/mL)
187 Total Benzofluoranthenes	252	25.243	25.251	(0.970)	62063	0.72692	0.7269
120 2,3,4,6-Tetrachlorophenol	232	15.983	15.975	(1.050)	12241	0.24913	0.2491

QC Flag Legend

M - Compound response manually integrated.

ARI Labs, Inc.

INTERNAL STANDARD COMPOUNDS
 AREA AND RT SUMMARY

Instrument ID: nt10.i Calibration Date: 30-JUN-2022
 Lab File ID: NT1022063004.D Calibration Time: 14:09
 Lab Smp Id: SKG0010-LCV1
 Analysis Type: SV Level:
 Quant Type: ISTD Sample Type:
 Operator: VTS
 Method File: \\target\share\chem3\nt10.i\20220630.b\ABN.m
 Misc Info:

Test Mode:
 Use Last Continuing Calibrator.

COMPOUND	STANDARD	AREA LIMIT		SAMPLE	%DIFF
		LOWER	UPPER		
8 1,4-Dichlorobenze	207392	103696	414784	332704	60.42
27 Naphthalene-d8	696938	348469	1393876	1062043	52.39
42 Acenaphthene-d10	395441	197721	790882	556429	40.71
59 Phenanthrene-d10	603067	301534	1206134	1013804	68.11
69 Chrysene-d12	148146	74073	296292	327341	120.96
134 Di-n-octylphthala	308009	154005	616018	558419	81.30
77 Perylene-d12	115550	57775	231100	202190	74.98

<-

COMPOUND	STANDARD	RT LIMIT		SAMPLE	%DIFF
		LOWER	UPPER		
8 1,4-Dichlorobenze	9.12	8.62	9.62	9.11	-0.09
27 Naphthalene-d8	11.60	11.10	12.10	11.60	-0.07
42 Acenaphthene-d10	15.23	14.73	15.73	15.22	-0.05
59 Phenanthrene-d10	18.28	17.78	18.78	18.27	-0.04
69 Chrysene-d12	23.35	22.85	23.85	23.35	-0.03
134 Di-n-octylphthala	24.41	23.91	24.91	24.40	-0.03
77 Perylene-d12	26.04	25.54	26.54	26.03	-0.03

AREA UPPER LIMIT = +100% of internal standard area.
 AREA LOWER LIMIT = - 50% of internal standard area.
 RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
 RT LOWER LIMIT = - 0.50 minutes of internal standard RT.

REVIEW SUMMARY FOR FILE - NT1022063004.D

Lab ID: SKG0010-LCV1
nt10.i, ABN.m, 30-JUN-2022 15:27

RT CO-ELUTION COMPOUNDS

NO CO-ELUTIONS

Quant Method: ICAL

RRT CHECK

RRT	CCV	RRT	DELTA	COMPOUND
-----	-----	-----	-------	----------

NONE

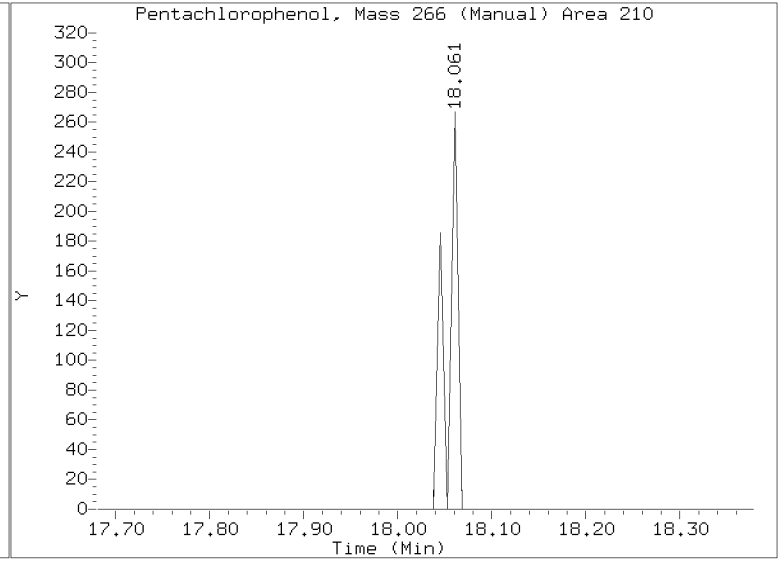
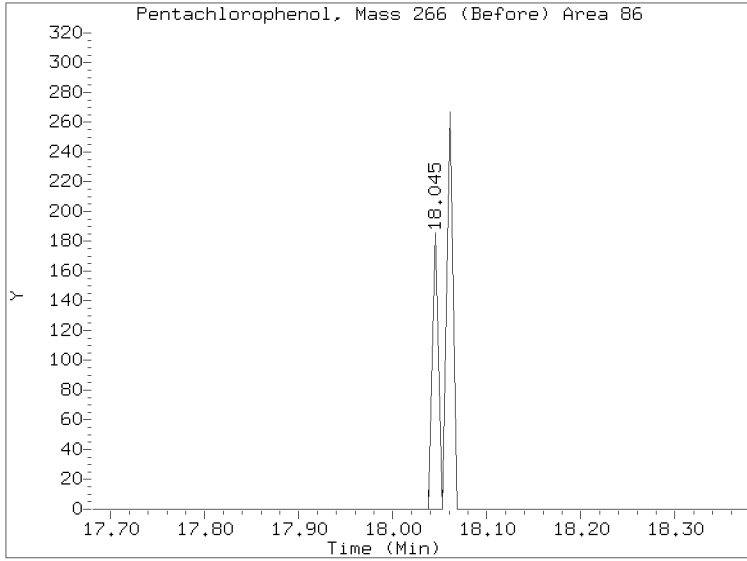
RRT check based on Ccal File: NT1022063002.D

On Column LOD for nt10.i, ABN.m, ICAL.sub = 0.0000

* Only compounds listed in the work order have been verified by the analyst *

Quant Ion Manual Peak Adjustment Report

Datafile: //target/share/chem3/nt10.i/20220630.b/NT1022063004.D
Injection Date: 30-JUN-2022 15:27
Lab ID:SKG0010-LCV1 Client ID:
Report Date: 07/01/2022 17:13





INITIAL CALIBRATION CHECK
EPA 8270E

Laboratory: Analytical Resources, LLC

SDG: 22F0267

Client: GeoEngineers

Project: RG Haley Site-Bellingham

Instrument ID: NT6

Calibration: FE00035

Lab File ID: NT622062201.D

Calibration Date: 05/16/2022

Sequence: SKF0267

Injection Date: 06/22/22

Lab Sample ID: SKF0267-ICV1

Injection Time: 10:58

Sequence Name: Initial Cal Check

COMPOUND	TYPE	CONC. (ug/mL)		RESPONSE FACTOR			% DRIFT/DIFF	
		STD	ICV	ICAL	ICV	MIN	ICV	LIMIT
Naphthalene	A	25.000	25.3	0.8406287	0.8519132		1.4	+/-20
2-Methylnaphthalene	A	25.000	25.6	0.4800184	0.4916224		2.4	+/-20
Acenaphthene	A	25.000	24.3	0.9311408	0.9033507		-3.0	+/-20
Pentachlorophenol	A	25.000	21.5	0.1365836	0.1172323		-14.2	+/-20
Phenanthrene	A	25.000	23.8	0.8243973	0.7861744		-4.6	+/-20
Fluoranthene	A	25.000	26.3	0.9317361	0.9802621		5.2	+/-20
Benzo(a)anthracene	A	25.000	23.7	1.1089200	1.0532020		-5.0	+/-20
Chrysene	A	25.000	23.3	1.0187150	0.9506920		-6.7	+/-20
Benzo(b)fluoranthene	A	25.000	26.4	0.9873224	1.0421940		5.6	+/-20
Benzo(k)fluoranthene	A	25.000	24.3	0.9892890	0.9624321		-2.7	+/-20
Benzo(a)pyrene	A	25.000	24.3	0.9265235	0.9020092		-2.6	+/-20
Indeno(1,2,3-cd)pyrene	A	25.000	22.9	1.3542800	1.2399390		-8.4	+/-20
Dibenzo(a,h)anthracene	A	25.000	23.0	1.1328750	1.0421460		-8.0	+/-20
1-Methylnaphthalene	A	25.000	25.8	0.4530575	0.4669917		3.1	+/-20
2-Fluorophenol	A	37.500	42.3	1.0810010	1.2184760		12.7	+/-20
Phenol-d5	A	37.500	41.9	1.2365880	1.3830900		11.8	+/-20
2-Chlorophenol-d4	A	37.500	42.4	1.1176800	1.2647820		13.2	+/-20
1,2-Dichlorobenzene-d4	A	25.000	27.0	0.7998831	0.8643827		8.1	+/-20
Nitrobenzene-d5	A	25.000	28.3	0.3071168	0.3478179		13.2	+/-20
2-Fluorobiphenyl	A	25.000	26.9	1.2166750	1.3101630		7.7	+/-20
2,4,6-Tribromophenol	A	37.500	44.3	0.1701749	0.2012119		18.2	+/-20
p-Terphenyl-d14	A	25.000	25.0	0.9507950	0.9517100		0.08	+/-20
1,4-Dichlorobenzene-d4	A	20.000	20.0	3808.8640	1.0000		0.0	
Naphthalene-d8	A	20.000	20.0	13223.0900	1.0000		0.0	
Acenaphthene-d10	A	20.000	20.0	7659.6360	1.0000		0.0	
Phenanthrene-d10	A	20.000	20.0	13562.8200	1.0000		0.0	
Chrysene-d12	A	20.000	20.0	10045.3400	1.0000		0.0	
Di-n-Octylphthalate-d4	A	20.000	20.0	13884.2200	1.0000		0.0	
Perylene-d12	A	20.000	20.0	11515.9100	1.0000		0.0	

* Values outside of QC limits

Data File: \\target\share\chem3\nt6.1\20220622.B\NT622062201.D

Date: 22-JUN-2022 10:58

Client ID:

Sample Info: ICV220622

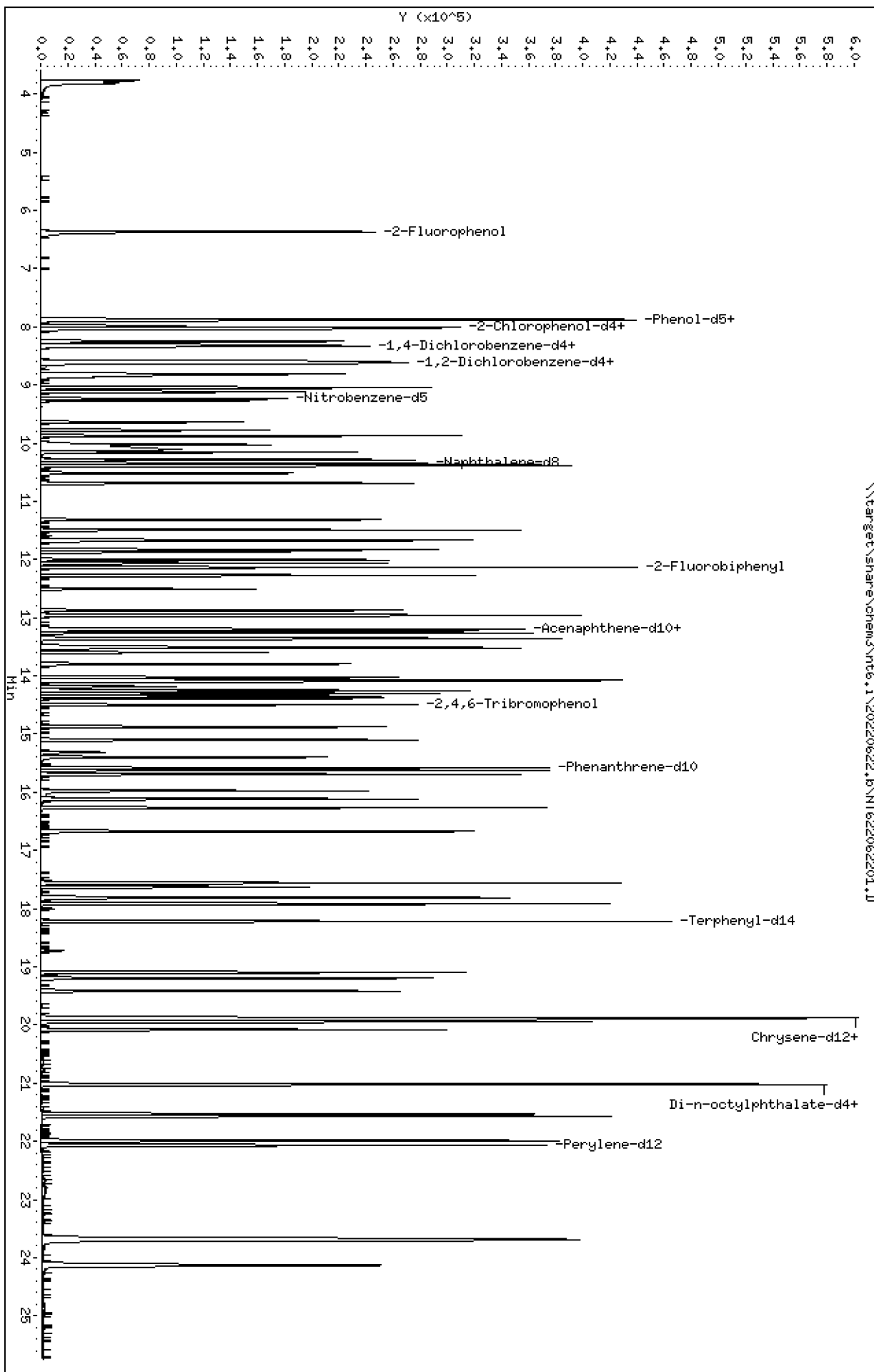
Column phase: ZB-5msi

Instrument: nt6.1

Operator: JZ

Column diameter: 0.32

\\target\share\chem3\nt6.1\20220622.B\NT622062201.D



ARI Labs, Inc.

Semivolatile Report SW846 Method 8270D

Data file : \\target\share\chem3\nt6.i\20220622.b\NT622062201.D
 Lab Smp Id: SKF0267-ICV1
 Inj Date : 22-JUN-2022 10:58
 Operator : JZ Inst ID: nt6.i
 Smp Info : ICV220622
 Misc Info : 22-
 Comment : 1ul Injection
 Method : \\target\share\chem3\nt6.i\20220622.b\SW84620220516.m
 Meth Date : 22-Jun-2022 12:01 Jianqing Quant Type: ISTD
 Cal Date : 16-MAY-2022 18:52 Cal File: NT622051604.D
 Als bottle: 1 Continuing Calibration Sample
 Dil Factor: 1.00000
 Integrator: HP RTE Compound Sublist: ICALB.sub
 Target Version: 4.14
 Processing Host: JIANQING-202105

Compounds	QUANT	SIG	RT	EXP RT	REL RT	RESPONSE	AMOUNTS	
							CAL-AMT	ON-COL
	MASS						(ug/mL)	(ug/mL)
\$ 1 2-Fluorophenol	112		6.370	6.370	(0.767)	128173	37.5000	42.27
\$ 2 Phenol-d5	99		7.877	7.877	(0.948)	145489	37.5000	41.94
3 Phenol	94		7.893	7.893	(0.950)	93930	25.0000	23.30
\$ 5 2-Chlorophenol-d4	132		8.016	8.016	(0.965)	133044	37.5000	42.44
4 Bis(2-Chloroethyl)ether	93		7.983	7.983	(0.961)	57574	25.0000	23.66
6 2-Chlorophenol	128		8.037	8.037	(0.967)	79451	25.0000	24.14
7 1,3-Dichlorobenzene	146		8.251	8.251	(0.993)	83996	25.0000	24.56
* 8 1,4-Dichlorobenzene-d4	152		8.309	8.309	(1.000)	56102	20.0000	
9 1,4-Dichlorobenzene	146		8.336	8.336	(1.003)	81810	25.0000	24.52
\$ 10 1,2-Dichlorobenzene-d4	152		8.608	8.608	(1.036)	60617	25.0000	27.02
12 1,2-Dichlorobenzene	146		8.630	8.630	(1.039)	76900	25.0000	24.27
11 Benzyl alcohol	108		8.587	8.587	(1.033)	48094	25.0000	25.54
14 2,2'-oxybis(1-Chloropropane)	45		8.843	8.843	(1.064)	44352	25.0000	23.75
13 2-Methylphenol	108		8.811	8.811	(1.060)	66145	25.0000	24.22
17 Hexachloroethane	117		9.116	9.116	(1.097)	33970	25.0000	25.25
16 N-Nitroso-di-n-propylamine	70		9.057	9.057	(1.090)	46037	25.0000	25.24
15 4-Methylphenol	108		9.041	9.041	(1.088)	71492	25.0000	24.55
\$ 18 Nitrobenzene-d5	82		9.239	9.239	(0.893)	82765	25.0000	28.31
19 Nitrobenzene	77		9.265	9.265	(0.895)	69707	25.0000	25.11
20 Isophorone	82		9.639	9.639	(0.931)	91799	25.0000	26.08
21 2-Nitrophenol	139		9.778	9.778	(0.945)	43570	25.0000	25.37
22 2,4-Dimethylphenol	107		9.874	9.874	(0.954)	81802	25.0000	25.33
23 Bis(2-Chloroethoxy)methane	93		10.024	10.024	(0.969)	61648	25.0000	24.54
24 Benzoic acid	105		10.115	10.115	(0.977)	119554	50.0000	58.01
25 2,4-Dichlorophenol	162		10.157	10.157	(0.981)	66298	25.0000	25.20
26 1,2,4-Trichlorobenzene	180		10.285	10.285	(0.994)	77125	25.0000	25.72
* 27 Naphthalene-d8	136		10.350	10.350	(1.000)	190364	20.0000	
28 Naphthalene	128		10.376	10.376	(1.003)	202717	25.0000	25.34
29 4-Chloroaniline	127		10.515	10.515	(1.016)	76421	25.0000	23.24
30 Hexachlorobutadiene	225		10.691	10.691	(1.033)	51031	25.0000	26.38
31 4-Chloro-3-methylphenol	107		11.316	11.316	(1.093)	67980	25.0000	25.65
32 2-Methylnaphthalene	141		11.493	11.493	(1.110)	116984	25.0000	25.60
33 Hexachlorocyclopentadiene	237		11.872	11.872	(0.899)	45094	25.0000	20.41

Compounds	QUANT SIG			AMOUNTS			
	MASS	RT	EXP RT	REL RT	RESPONSE	CAL-AMT (ug/mL)	ON-COL (ug/mL)
34 2,4,6-Trichlorophenol	196	12.005	12.005	(0.909)	54997	25.0000	24.12
35 2,4,5-Trichlorophenol	196	12.064	12.064	(0.913)	55600	25.0000	22.89
\$ 36 2-Fluorobiphenyl	172	12.133	12.133	(0.919)	200003	25.0000	26.92
37 2-Chloronaphthalene	162	12.272	12.272	(0.929)	139582	25.0000	23.60
38 2-Nitroaniline	65	12.507	12.507	(0.947)	34669	25.0000	23.19
39 Dimethylphthalate	163	12.876	12.876	(0.975)	161580	25.0000	24.96
40 Acenaphthylene	152	12.956	12.956	(0.981)	228389	25.0000	23.82
41 2,6-Dinitrotoluene	165	12.972	12.972	(0.982)	37572	25.0000	25.46
* 42 Acenaphthene-d10	164	13.207	13.207	(1.000)	122124	20.0000	
43 3-Nitroaniline	138	13.186	13.186	(0.998)	33441	25.0000	23.21
44 Acenaphthene	153	13.255	13.255	(1.004)	137901	25.0000	24.25
45 2,4-Dinitrophenol	184	13.351	13.351	(1.011)	51987	50.0000	57.22
46 Dibenzofuran	168	13.517	13.517	(1.023)	200984	25.0000	24.46
47 4-Nitrophenol	109	13.490	13.490	(1.021)	26953	25.0000	25.88
48 2,4-Dinitrotoluene	165	13.597	13.597	(1.030)	48562	25.0000	25.50
50 Diethylphthalate	149	14.030	14.030	(1.062)	163052	25.0000	26.08
49 Fluorene	166	14.078	14.078	(1.066)	160485	25.0000	24.42
51 4-Chlorophenyl-phenylether	204	14.094	14.094	(1.067)	89513	25.0000	24.27
52 4-Nitroaniline	138	14.184	14.184	(1.074)	31080	25.0000	23.85
53 4,6-Dinitro-2-methylphenol	198	14.254	14.254	(0.915)	80387	50.0000	63.48
54 N-Nitrosodiphenylamine	169	14.302	14.302	(0.918)	116678	25.0000	23.27
\$ 55 2,4,6-Tribromophenol	330	14.500	14.500	(1.098)	46074	37.5000	44.34
56 4-Bromophenyl-phenylether	248	14.879	14.879	(0.955)	51537	25.0000	23.72
57 Hexachlorobenzene	284	15.103	15.103	(0.969)	57049	25.0000	24.13
58 Pentachlorophenol	266	15.397	15.397	(0.988)	33892	25.0000	21.46
* 59 Phenanthrene-d10	188	15.584	15.584	(1.000)	231281	20.0000	
60 Phenanthrene	178	15.621	15.621	(1.002)	227284	25.0000	23.84
61 Anthracene	178	15.696	15.696	(1.007)	222707	25.0000	23.35
62 Carbazole	167	15.974	15.974	(1.025)	182480	25.0000	22.26
63 Di-n-butylphthalate	149	16.673	16.673	(1.070)	268881	25.0000	26.19
64 Fluoranthene	202	17.560	17.560	(1.127)	283395	25.0000	26.30
65 Pyrene	202	17.918	17.918	(0.900)	283495	25.0000	22.27
\$ 66 Terphenyl-d14	244	18.222	18.222	(0.915)	241199	25.0000	25.02
67 Butylbenzylphthalate	149	19.098	19.098	(0.959)	123751	25.0000	24.83
68 Benzo(a)anthracene	228	19.878	19.878	(0.999)	266921	25.0000	23.74
* 69 Chrysene-d12	240	19.905	19.905	(1.000)	202750	20.0000	
70 3,3'-Dichlorobenzidine	252	19.883	19.883	(0.999)	84133	25.0000	24.99
71 Chrysene	228	19.947	19.947	(1.002)	240941	25.0000	23.33
72 bis(2-Ethylhexyl)phthalate	149	20.086	20.086	(0.956)	162263	25.0000	24.66
* 134 Di-n-octylphthalate-d4	153	21.021	21.021	(1.000)	284466	20.0000	
73 Di-n-octylphthalate	149	21.026	21.026	(1.000)	279121	25.0000	23.51
74 Benzo(b)fluoranthene	252	21.539	21.539	(0.976)	279906	25.0000	26.39
75 Benzo(k)fluoranthene	252	21.571	21.571	(0.977)	258484	25.0000	24.32
187 Total Benzofluoranthenes	252	21.571	21.571	(0.977)	511532	50.0000	50.68
76 Benzo(a)pyrene	252	21.988	21.988	(0.996)	242256	25.0000	24.34
* 77 Perylene-d12	264	22.068	22.068	(1.000)	214859	20.0000	
78 Indeno(1,2,3-cd)pyrene	276	23.676	23.676	(1.073)	333015	25.0000	22.89
79 Dibenzo(a,h)anthracene	278	23.702	23.702	(1.074)	279893	25.0000	23.00
80 Benzo(g,h,i)perylene	276	24.135	24.135	(1.094)	270311	25.0000	21.66
90 N-Nitrosodimethylamine	74	3.817	3.817	(0.459)	40507	25.0000	28.61
103 Pyridine	79	3.769	3.769	(0.454)	71818	25.0000	26.95
91 Aniline	93	7.871	7.871	(0.947)	91069	25.0000	21.97
105 1-methylnaphthalene	141	11.669	11.669	(1.127)	111123	25.0000	25.77
111 Azobenzene (1,2-DP-Hydrazine)	77	14.345	14.345	(0.920)	132056	25.0000	22.43

Compounds	QUANT SIG		AMOUNTS					
	MASS		RT	EXP RT	REL RT	RESPONSE	CAL-AMT (ug/mL)	ON-COL (ug/mL)
144 alpha-Terpineol	59		10.392	10.392	(1.004)	41769	25.0000	25.38
120 2,3,4,6-Tetrachlorophenol	232		13.795	13.795	(1.044)	44282	25.0000	23.85
151 1,2,4,5-Tetrachlorobenzene	216		11.834	11.834	(0.896)	78465	25.0000	23.41

ARI Labs, Inc.

INTERNAL STANDARD COMPOUNDS
 AREA AND RT SUMMARY

Instrument ID: nt6.i Calibration Date: 20-JUN-2022
 Lab File ID: NT622062201.D Calibration Time: 13:40
 Lab Smp Id: SKF0267-ICV1
 Analysis Type: SV Level:
 Quant Type: ISTD Sample Type:
 Operator: JZ
 Method File: \\target\share\chem3\nt6.i\20220622.b\SW84620220516.m
 Misc Info: 22-

Test Mode: Use Initial Calibration Level 4.

COMPOUND	STANDARD	AREA LIMIT		SAMPLE	%DIFF
		LOWER	UPPER		
8 1,4-Dichlorobenze	71723	35862	143446	56102	-21.78
27 Naphthalene-d8	255203	127602	510406	190364	-25.41
42 Acenaphthene-d10	144799	72400	289598	122124	-15.66
59 Phenanthrene-d10	257295	128648	514590	231281	-10.11
69 Chrysene-d12	195882	97941	391764	202750	3.51
134 Di-n-octylphthala	272032	136016	544064	284466	4.57
77 Perylene-d12	222542	111271	445084	214859	-3.45

COMPOUND	STANDARD	RT LIMIT		SAMPLE	%DIFF
		LOWER	UPPER		
8 1,4-Dichlorobenze	8.31	7.81	8.81	8.31	0.00
27 Naphthalene-d8	10.35	9.85	10.85	10.35	0.00
42 Acenaphthene-d10	13.21	12.71	13.71	13.21	0.00
59 Phenanthrene-d10	15.58	15.08	16.08	15.58	0.00
69 Chrysene-d12	19.91	19.41	20.41	19.91	0.00
134 Di-n-octylphthala	21.02	20.52	21.52	21.02	0.00
77 Perylene-d12	22.07	21.57	22.57	22.07	0.00

AREA UPPER LIMIT = +100% of internal standard area.
 AREA LOWER LIMIT = - 50% of internal standard area.
 RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
 RT LOWER LIMIT = - 0.50 minutes of internal standard RT.

REVIEW SUMMARY FOR FILE - NT622062201.D

Lab ID: SKF0267-ICV1
nt6.i, SW84620220516.m, 22-JUN-2022 10:58

RT CO-ELUTION COMPOUNDS

NO CO-ELUTIONS

Quant Method: ICAL

No RRT check performed

On Column LOD for nt6.i, SW84620220516.m, ICALB.sub = 0.0100

* Only compounds listed in the work order have been verified by the analyst *

Q-FLAG SUMMARY FOR DATABATCH - \\target\share\chem3\nt6.i\20220622.b

Instrument: nt6.i Date: 22-JUN-2022 Method: SW84620220516.m

INITIAL CAL: 16-MAY-2022

Compound	%RSD or R ²

NO Q-FLAGS	

ICV CAL: NT622062201.D 22-JUN-2022 10:58

Compound	%D

4,6-Dinitro-2-methylphenol	26.96



INITIAL CALIBRATION CHECK
EPA 8270E

Laboratory: Analytical Resources, LLC

SDG: 22F0267

Client: GeoEngineers

Project: RG Haley Site-Bellingham

Instrument ID: NT10

Calibration: FF00062

Lab File ID: NT1022062313.D

Calibration Date: 06/23/2022

Sequence: SKF0270

Injection Date: 06/23/22

Lab Sample ID: SKF0270-ICV1

Injection Time: 16:38

Sequence Name: ABN 5

COMPOUND	TYPE	CONC. (ug/mL)		RESPONSE FACTOR			% DRIFT/DIFF	
		STD	ICV	ICAL	ICV	MIN	ICV	LIMIT
Phenol	A	5.0000	5.1	1.8884920	1.9324470		2.3	+/-20
bis(2-chloroethyl) ether	A	5.0000	4.9	1.3591220	1.3447400		-1.1	+/-20
2-Chlorophenol	A	5.0000	4.9	1.5055700	1.4883630		-1.1	+/-20
1,3-Dichlorobenzene	A	5.0000	4.9	1.6284120	1.6069360		-1.3	+/-20
1,4-Dichlorobenzene	A	5.0000	5.1	1.2836070	1.3134160		2.3	+/-20
1,2-Dichlorobenzene	A	5.0000	5.1	1.3626570	1.3803280		1.3	+/-20
Benzyl Alcohol	A	5.0000	5.5	0.7522971	0.8256756		9.8	+/-20
2,2'-Oxybis(1-chloropropane)	A	5.0000	5.4	0.3222545	0.3476388		7.9	+/-20
2-Methylphenol	A	5.0000	5.1	1.1643690	1.1918510		2.4	+/-20
Hexachloroethane	A	5.0000	5.1	0.5721944	0.5860026		2.4	+/-20
N-Nitroso-di-n-Propylamine	A	5.0000	5.0	0.8097827	0.8109115		0.1	+/-20
4-Methylphenol	A	5.0000	5.1	1.2443490	1.2809280		2.9	+/-20
Nitrobenzene	A	5.0000	5.2	0.4289874	0.4428621		3.2	+/-20
Isophorone	A	5.0000	5.4	0.6205796	0.6699376		8.0	+/-20
2-Nitrophenol	A	5.0000	5.2	0.2709617	0.2800028		3.3	+/-20
2,4-Dimethylphenol	A	10.000	9.5	0.3291631	0.3139965		-4.6	+/-20
Bis(2-Chloroethoxy)methane	A	5.0000	4.8	0.3728438	0.3554021		-4.7	+/-20
2,4-Dichlorophenol	A	10.000	10.7	0.3345374	0.3576956		6.9	+/-20
1,2,4-Trichlorobenzene	A	5.0000	4.7	0.3494981	0.3372500		-6.1	+/-20
Naphthalene	A	5.0000	5.2	1.0237250	1.0689450		4.4	+/-20
Benzoic acid	A	20.000	16.7	0.1354719	0.1459495		-16.6	+/-20
4-Chloroaniline	A	10.000	11.6	0.4520265	0.5223109		15.5	+/-20
Hexachlorobutadiene	A	5.0000	5.2	0.1713061	0.1788034		4.4	+/-20
4-Chloro-3-Methylphenol	A	10.000	9.7	0.3652577	0.3930179		-2.8	+/-20
2-Methylnaphthalene	A	5.0000	5.4	1.0174370	1.0922310		7.4	+/-20
Hexachlorocyclopentadiene	A	10.000	8.8	0.1773971	0.2112684		-12.0	+/-20
2,4,6-Trichlorophenol	A	10.000	10.6	0.4546098	0.4799668		5.6	+/-20
2,4,5-Trichlorophenol	A	10.000	9.6	0.4787210	0.5192886		-4.1	+/-20
2-Chloronaphthalene	A	5.0000	5.2	1.5957070	1.6638960		4.3	+/-20
2-Nitroaniline	A	10.000	10.8	0.4268379	0.4597148		7.7	+/-20

* Values outside of QC limits



INITIAL CALIBRATION CHECK
EPA 8270E

Laboratory: Analytical Resources, LLC

SDG: 22F0267

Client: GeoEngineers

Project: RG Haley Site-Bellingham

Instrument ID: NT10

Calibration: FF00062

Lab File ID: NT1022062313.D

Calibration Date: 06/23/2022

Sequence: SKF0270

Injection Date: 06/23/22

Lab Sample ID: SKF0270-ICV1

Injection Time: 16:38

Sequence Name: ABN 5

COMPOUND	TYPE	CONC. (ug/mL)		RESPONSE FACTOR			% DRIFT/DIFF	
		STD	ICV	ICAL	ICV	MIN	ICV	LIMIT
Acenaphthylene	A	5.0000	4.6	2.3382150	2.1712350		-7.1	+/-20
Dimethylphthalate	A	5.0000	4.8	1.4027420	1.3511590		-3.7	+/-20
2,6-Dinitrotoluene	A	10.000	10.1	0.3257863	0.3302737		1.4	+/-20
Acenaphthene	A	5.0000	5.2	1.1633080	1.2003810		3.2	+/-20
3-Nitroaniline	A	10.000	9.8	0.3835195	0.3777144		-1.5	+/-20
2,4-Dinitrophenol	A	20.000	16.9	0.1087769	0.1268472		-15.6	+/-20
Dibenzofuran	A	5.0000	5.2	1.8487680	1.9137260		3.5	+/-20
4-Nitrophenol	A	10.000	9.6	0.1044372	0.1225420		-4.1	+/-20
2,4-Dinitrotoluene	A	10.000	10.8	0.4354293	0.4716538		8.3	+/-20
Fluorene	A	5.0000	4.3	2.2090760	1.9197970		-13.1	+/-20
4-Chlorophenylphenyl ether	A	5.0000	3.3	0.9701069	0.6439075		-33.6	+/-20 *
Diethyl phthalate	A	5.0000	5.1	1.2033170	1.2256130		1.9	+/-20
4-Nitroaniline	A	10.000	9.9	0.3841274	0.3804989		-0.9	+/-20
4,6-Dinitro-2-methylphenol	A	20.000	19.3	0.1197775	0.1505305		-3.6	+/-20
N-Nitrosodiphenylamine	A	5.0000	4.9	0.6289655	0.6138471		-2.4	+/-20
4-Bromophenyl phenyl ether	A	5.0000	5.2	0.2914116	0.3033543		4.1	+/-20
Hexachlorobenzene	A	5.0000	5.2	0.2851630	0.2761541		3.9	+/-20
Pentachlorophenol	A	10.000	8.1	0.0462824	0.0500148		-19.5	+/-20
Phenanthrene	A	5.0000	5.2	1.0508770	1.0881100		3.5	+/-20
Anthracene	A	5.0000	5.3	1.1198770	1.1790160		5.3	+/-20
Carbazole	A	5.0000	5.3	1.0331450	1.0856710		5.1	+/-20
Di-n-Butylphthalate	A	5.0000	5.1	1.4847320	1.6453920		2.5	+/-20
Fluoranthene	A	5.0000	4.9	2.5859780	2.8389890		-2.8	+/-20
Pyrene	A	5.0000	4.9	2.4339860	2.5108860		-2.2	+/-20
Butylbenzylphthalate	A	5.0000	5.2	0.8080700	0.8462404		4.7	+/-20
Benzo(a)anthracene	A	5.0000	5.3	1.6949770	1.7990220		6.1	+/-20
3,3'-Dichlorobenzidine	A	15.000	14.2	0.5523250	0.5219478		-5.5	+/-20
Chrysene	A	5.0000	4.8	1.1695310	1.1368770		-3.8	+/-20
bis(2-Ethylhexyl)phthalate	A	5.0000	4.9	0.4421262	0.4332024		-2.0	+/-20
Di-n-Octylphthalate	A	5.0000	5.0	0.9091601	0.9097418		0.06	+/-20

* Values outside of QC limits



INITIAL CALIBRATION CHECK
EPA 8270E

Laboratory: Analytical Resources, LLC

SDG: 22F0267

Client: GeoEngineers

Project: RG Haley Site-Bellingham

Instrument ID: NT10

Calibration: FF00062

Lab File ID: NT1022062313.D

Calibration Date: 06/23/2022

Sequence: SKF0270

Injection Date: 06/23/22

Lab Sample ID: SKF0270-ICV1

Injection Time: 16:38

Sequence Name: ABN 5

COMPOUND	TYPE	CONC. (ug/mL)		RESPONSE FACTOR			% DRIFT/DIFF	
		STD	ICV	ICAL	ICV	MIN	ICV	LIMIT
Benzofluoranthenes, Total	A	10.000	10.8	1.6890580	1.8249480		8.0	+/-20
Benzo(a)pyrene	A	5.0000	5.1	1.4826420	1.4973310		1.0	+/-20
Indeno(1,2,3-cd)pyrene	A	5.0000	5.5	1.5830350	1.7480810		10.4	+/-20
Dibenzo(a,h)anthracene	A	5.0000	5.4	1.2118700	1.3055940		7.7	+/-20
Benzo(g,h,i)perylene	A	5.0000	5.3	1.2654270	1.3358410		5.6	+/-20
1-Methylnaphthalene	A	5.0000	5.4	0.9995882	1.0738540		7.4	+/-20
2-Fluorophenol	A	7.5000	7.70	1.4606150	1.5000760		2.7	+/-20
Phenol-d5	A	7.5000	8.01	2.1672350	2.3147320		6.8	+/-20
2-Chlorophenol-d4	A	7.5000	7.45	1.4882780	1.4788940		-0.6	+/-20
1,2-Dichlorobenzene-d4	A	5.0000	5.15	0.9170783	0.9442323		3.0	+/-20
Nitrobenzene-d5	A	5.0000	5.16	0.4256249	0.4387914		3.1	+/-20
2-Fluorobiphenyl	A	5.0000	5.11	1.8101110	1.8500500		2.2	+/-20
2,4,6-Tribromophenol	A	7.5000	7.14	0.1582114	0.1735075		-4.8	+/-20
p-Terphenyl-d14	A	5.0000	4.94	1.3958840	1.3794120		-1.2	+/-20
1,4-Dichlorobenzene-d4	A	4.0000	4.0	38854.2500	1.0000			
Naphthalene-d8	A	4.0000	4.0	122796.3000	1.0000			
Acenaphthene-d10	A	4.0000	4.0	70494.2500	1.0000			
Phenanthrene-d10	A	4.0000	4.0	124644.3000	1.0000			
Chrysene-d12	A	4.0000	4.0	65886.0000	1.0000			
Di-n-Octylphthalate-d4	A	4.0000	4.0	113292.5000	1.0000			
Perylene-d12	A	4.0000	4.0	43579.0000	1.0000			

* Values outside of QC limits

Data File: \\target\share\chem3\nt10.1\20220623.1\NT1022062313.D

Date: 23-JUN-2022 16:38

Client ID:

Sample Info: SKF0270-ICW1

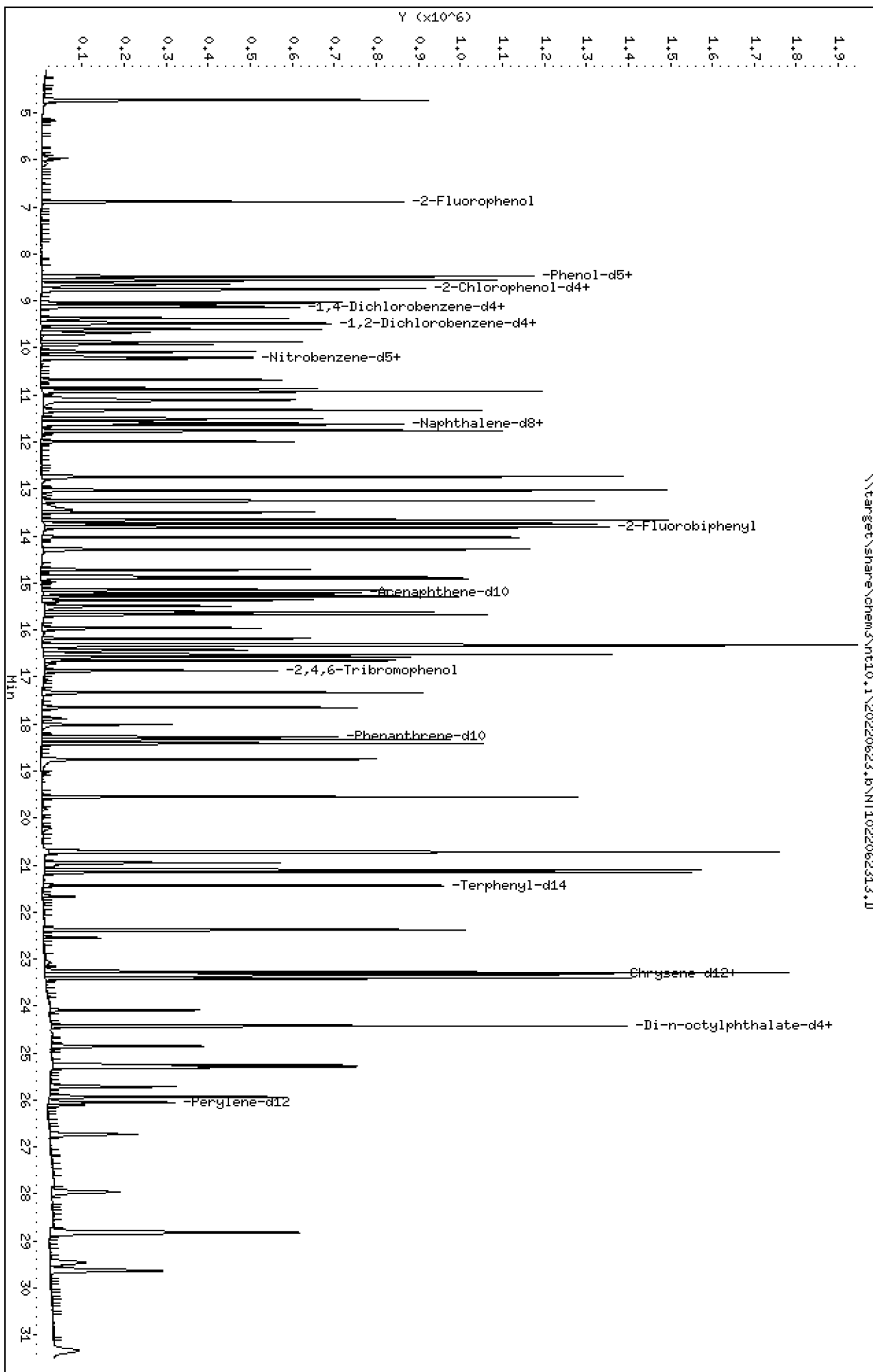
Column phase: ZB-5msi

Instrument: nt10.1

Operator: VTS

Column diameter: 0.25

Page 1



ARI Labs, Inc.

Semivolatile Report SW846 Method 8270D

Data file : \\target\share\chem3\nt10.i\20220623.b\NT1022062313.D
 Lab Smp Id: SKF0270-ICV1
 Inj Date : 23-JUN-2022 16:38
 Operator : VTS
 Smp Info : SKF0270-ICV1
 Misc Info :
 Comment : 1ul Injection
 Method : \\target\share\chem3\nt10.i\20220623.b\ABN.m
 Meth Date : 24-Jun-2022 14:05 yev
 Cal Date : 23-JUN-2022 13:07
 Als bottle: 2
 Dil Factor: 1.00000
 Integrator: HP RTE
 Target Version: 4.14
 Processing Host: ORGDATA102

Inst ID: nt10.i
 Quant Type: ISTD
 Cal File: NT1022062308.D
 Continuing Calibration Sample
 Compound Sublist: ICAL.sub

Compounds	QUANT	SIG	RT	EXP RT	REL RT	RESPONSE	AMOUNTS	
							CAL-AMT	ON-COL
	MASS						(ug/mL)	(ug/mL)
\$ 1 2-Fluorophenol	112		6.891	6.891	(0.757)	421092	7.50000	7.703
\$ 2 Phenol-d5	99		8.475	8.475	(0.931)	649777	7.50000	8.010
3 Phenol	94		8.498	8.498	(0.934)	361643	5.00000	5.116
\$ 5 2-Chlorophenol-d4	132		8.745	8.745	(0.961)	415146	7.50000	7.453
4 Bis(2-Chloroethyl)ether	93		8.645	8.645	(0.950)	251658	5.00000	4.947
6 2-Chlorophenol	128		8.776	8.776	(0.964)	278536	5.00000	4.943
7 1,3-Dichlorobenzene	146		9.039	9.039	(0.993)	300726	5.00000	4.934
* 8 1,4-Dichlorobenzene-d4	152		9.101	9.101	(1.000)	149714	4.00000	
9 1,4-Dichlorobenzene	146		9.132	9.132	(1.003)	245796	5.00000	5.116
\$ 10 1,2-Dichlorobenzene-d4	152		9.466	9.466	(1.040)	176706	5.00000	5.148
12 1,2-Dichlorobenzene	146		9.489	9.489	(1.043)	258318	5.00000	5.065
11 Benzyl alcohol	108		9.373	9.373	(1.030)	154519	5.00000	5.488
14 2,2'-oxybis(1-Chloropropane)	121		9.676	9.676	(1.063)	65058	5.00000	5.394
13 2-Methylphenol	108		9.606	9.606	(1.055)	223046	5.00000	5.118
17 Hexachloroethane	117		10.079	10.079	(1.107)	109666	5.00000	5.121
16 N-Nitroso-di-n-propylamine	70		9.924	9.924	(1.090)	151756	5.00000	5.007
15 4-Methylphenol	108		9.877	9.877	(1.085)	239716	5.00000	5.147
\$ 18 Nitrobenzene-d5	82		10.196	10.196	(0.880)	269481	5.00000	5.155
19 Nitrobenzene	77		10.227	10.227	(0.882)	271981	5.00000	5.162
20 Isophorone	82		10.677	10.677	(0.921)	411438	5.00000	5.398
21 2-Nitrophenol	139		10.859	10.859	(0.937)	171962	5.00000	5.167
22 2,4-Dimethylphenol	107		10.919	10.919	(0.942)	385678	10.0000	9.539
23 Bis(2-Chloroethoxy)methane	93		11.106	11.106	(0.958)	218268	5.00000	4.766
24 Benzoic acid	105		11.140	11.140	(0.961)	358536	20.0000	16.69
25 2,4-Dichlorophenol	162		11.326	11.326	(0.977)	439353	10.0000	10.69
26 1,2,4-Trichlorobenzene	180		11.504	11.504	(0.993)	207120	5.00000	4.696
* 27 Naphthalene-d8	136		11.589	11.589	(1.000)	491315	4.00000	
28 Naphthalene	128		11.635	11.635	(1.004)	656486	5.00000	5.221
29 4-Chloroaniline	127		11.758	11.758	(1.015)	641548	10.0000	11.55
30 Hexachlorobutadiene	225		11.990	11.990	(1.035)	109811	5.00000	5.219
31 4-Chloro-3-methylphenol	107		12.741	12.741	(1.099)	482739	10.0000	9.724
32 2-Methylnaphthalene	142		13.035	13.035	(1.125)	670787	5.00000	5.368
33 Hexachlorocyclopentadiene	237		13.499	13.499	(0.887)	151368	10.0000	8.800

Compounds	QUANT SIG			AMOUNTS			
	MASS	RT	EXP RT	REL RT	RESPONSE	CAL-AMT (ug/mL)	ON-COL (ug/mL)
34 2,4,6-Trichlorophenol	196	13.662	13.662	(0.898)	343883	10.0000	10.56
35 2,4,5-Trichlorophenol	196	13.739	13.739	(0.903)	372056	10.0000	9.594
§ 36 2-Fluorobiphenyl	172	13.817	13.817	(0.908)	662755	5.00000	5.110
37 2-Chloronaphthalene	162	14.033	14.033	(0.922)	596068	5.00000	5.214
38 2-Nitroaniline	65	14.289	14.289	(0.939)	329373	10.0000	10.77
39 Dimethylphthalate	163	14.714	14.714	(0.967)	484034	5.00000	4.816
40 Acenaphthylene	152	14.908	14.908	(0.980)	777815	5.00000	4.643
41 2,6-Dinitrotoluene	165	14.862	14.862	(0.977)	236632	10.0000	10.14
* 42 Acenaphthene-d10	164	15.217	15.217	(1.000)	286589	4.00000	
43 3-Nitroaniline	138	15.148	15.148	(0.995)	270622	10.0000	9.849
44 Acenaphthene	153	15.287	15.287	(1.005)	430020	5.00000	5.159
45 2,4-Dinitrophenol	184	15.364	15.364	(1.010)	181765	20.0000	16.88
46 Dibenzofuran	168	15.619	15.619	(1.026)	685566	5.00000	5.176
47 4-Nitrophenol	109	15.488	15.488	(1.018)	87798	10.0000	9.588
48 2,4-Dinitrotoluene	165	15.673	15.673	(1.030)	337927	10.0000	10.83
50 Diethylphthalate	149	16.184	16.184	(1.063)	439059	5.00000	5.093
49 Fluorene	166	16.331	16.331	(1.073)	687741	5.00000	4.345
51 4-Chlorophenyl-phenylether	204	16.323	16.323	(1.073)	230671	5.00000	3.319
52 4-Nitroaniline	138	16.423	16.423	(1.079)	272617	10.0000	9.906
53 4,6-Dinitro-2-methylphenol	198	16.523	16.523	(0.904)	375438	20.0000	19.28
54 N-Nitrosodiphenylamine	169	16.570	16.570	(0.907)	382749	5.00000	4.880
§ 55 2,4,6-Tribromophenol	330	16.870	16.870	(1.109)	93235	7.50000	7.143
56 4-Bromophenyl-phenylether	248	17.333	17.333	(0.948)	189149	5.00000	5.205
57 Hexachlorobenzene	284	17.650	17.650	(0.966)	172189	5.00000	5.195
58 Pentachlorophenol	266	18.014	18.014	(0.986)	62371	10.0000	8.051 (M)
* 59 Phenanthrene-d10	188	18.277	18.277	(1.000)	498820	4.00000	
60 Phenanthrene	178	18.323	18.323	(1.003)	678464	5.00000	5.177
61 Anthracene	178	18.416	18.416	(1.008)	735146	5.00000	5.264
62 Carbazole	167	18.749	18.749	(1.026)	676943	5.00000	5.254
63 Di-n-butylphthalate	149	19.554	19.554	(1.070)	1025943	5.00000	5.124
64 Fluoranthene	202	20.722	20.722	(0.887)	1104704	5.00000	4.861
65 Pyrene	202	21.147	21.147	(0.906)	977033	5.00000	4.892
§ 66 Terphenyl-d14	244	21.441	21.441	(0.918)	536755	5.00000	4.941
67 Butylbenzylphthalate	149	22.371	22.371	(0.958)	329288	5.00000	5.236
68 Benzo(a)anthracene	228	23.331	23.331	(0.999)	700033	5.00000	5.307
* 69 Chrysene-d12	240	23.354	23.354	(1.000)	311295	4.00000	
70 3,3'-Dichlorobenzidine	252	23.284	23.284	(0.997)	609299	15.0000	14.18
71 Chrysene	228	23.400	23.400	(1.002)	442380	5.00000	4.812
72 bis(2-Ethylhexyl)phthalate	149	23.416	23.416	(0.959)	312979	5.00000	4.899
* 134 Di-n-octylphthalate-d4	153	24.422	24.422	(1.000)	577982	4.00000	
73 Di-n-octylphthalate	149	24.430	24.430	(1.000)	657268	5.00000	5.003
74 Benzo(b)fluoranthene	252	25.258	25.258	(0.970)	543761	5.00000	5.494
75 Benzo(k)fluoranthene	252	25.305	25.305	(0.971)	502729	5.00000	5.282
76 Benzo(a)pyrene	252	25.932	25.932	(0.996)	409052	5.00000	5.050
* 77 Perylene-d12	264	26.048	26.048	(1.000)	218550	4.00000	
78 Indeno(1,2,3-cd)pyrene	276	28.814	28.814	(1.106)	477554	5.00000	5.521
79 Dibenzo(a,h)anthracene	278	28.830	28.830	(1.107)	356672	5.00000	5.387
80 Benzo(g,h,i)perylene	276	29.630	29.630	(1.137)	364935	5.00000	5.278
90 N-Nitrosodimethylamine	74	4.720	4.720	(0.519)	407952	10.0000	11.41
91 Aniline	93	8.560	8.560	(0.941)	691453	10.0000	9.781
93 Benzidine	184	20.954	20.954	(0.897)	400416	10.0000	8.719
103 Pyridine	79	4.736	4.736	(0.520)	512178	5.00000	5.051
105 1-methylnaphthalene	142	13.252	13.252	(1.144)	659501	5.00000	5.371
111 Azobenzene (1,2-DP-Hydrazine)	77	16.647	16.647	(1.094)	562132	5.00000	4.911

Compounds	QUANT SIG						AMOUNTS	
	MASS		RT	EXP RT	REL RT	RESPONSE	CAL-AMT (ug/mL)	ON-COL (ug/mL)
187 Total Benzofluoranthenes	252		25.305	25.305	(0.971)	997106	10.0000	10.80
120 2,3,4,6-Tetrachlorophenol	232		15.959	15.959	(1.049)	121600	5.00000	4.866

QC Flag Legend

M - Compound response manually integrated.

ARI Labs, Inc.

INTERNAL STANDARD COMPOUNDS
 AREA AND RT SUMMARY

Instrument ID: nt10.i Calibration Date: 23-JUN-2022
 Lab File ID: NT1022062313.D Calibration Time: 09:16
 Lab Smp Id: SKF0270-ICV1
 Analysis Type: SV Level:
 Quant Type: ISTD Sample Type:
 Operator: VTS
 Method File: \\target\share\chem3\nt10.i\20220623.b\ABN.m
 Misc Info:

Test Mode:
 Use Last Continuing Calibrator.

COMPOUND	STANDARD	AREA LIMIT		SAMPLE	%DIFF
		LOWER	UPPER		
8 1,4-Dichlorobenze	149714	74857	299428	149714	0.00
27 Naphthalene-d8	491315	245658	982630	491315	0.00
42 Acenaphthene-d10	286589	143295	573178	286589	0.00
59 Phenanthrene-d10	498820	249410	997640	498820	0.00
69 Chrysene-d12	311295	155648	622590	311295	0.00
134 Di-n-octylphthala	577982	288991	1155964	577982	0.00
77 Perylene-d12	218550	109275	437100	218550	0.00

COMPOUND	STANDARD	RT LIMIT		SAMPLE	%DIFF
		LOWER	UPPER		
8 1,4-Dichlorobenze	9.10	8.60	9.60	9.10	0.00
27 Naphthalene-d8	11.59	11.09	12.09	11.59	0.00
42 Acenaphthene-d10	15.22	14.72	15.72	15.22	0.00
59 Phenanthrene-d10	18.28	17.78	18.78	18.28	0.00
69 Chrysene-d12	23.35	22.85	23.85	23.35	0.00
134 Di-n-octylphthala	24.42	23.92	24.92	24.42	0.00
77 Perylene-d12	26.05	25.55	26.55	26.05	0.00

AREA UPPER LIMIT = +100% of internal standard area.
 AREA LOWER LIMIT = - 50% of internal standard area.
 RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
 RT LOWER LIMIT = - 0.50 minutes of internal standard RT.

REVIEW SUMMARY FOR FILE - NT1022062313.D

Lab ID: SKF0270-ICV1
nt10.i, ABN.m, 23-JUN-2022 16:38

RT CO-ELUTION COMPOUNDS

NO CO-ELUTIONS

Quant Method: ICAL

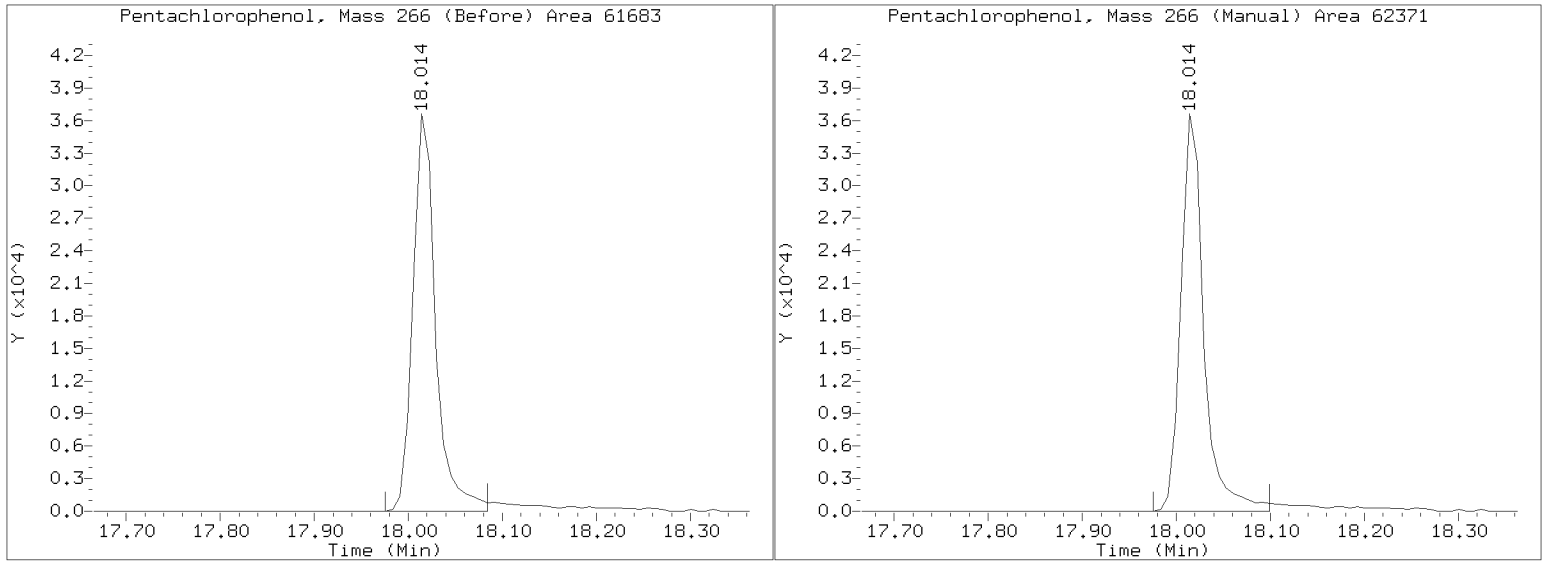
No RRT check. Ccal file.

On Column LOD for nt10.i, ABN.m, ICAL.sub = 0.0000

* Only compounds listed in the work order have been verified by the analyst *

Quant Ion Manual Peak Adjustment Report

Datafile: //target/share/chem3/nt10.i/20220623.b/NT1022062313.D
Injection Date: 23-JUN-2022 16:38
Lab ID:SKF0270-ICV1 Client ID:
Report Date: 06/24/2022 14:05



Q-FLAG SUMMARY FOR DATABATCH - \\target\share\chem3\nt10.i\20220623.b

Instrument: nt10.i Date: 23-JUN-2022 Method: ABN.m

INITIAL CAL: 23-JUN-2022

Compound	%RSD or R ²

NO Q-FLAGS	

ICV CAL: NT1022062313.D 23-JUN-2022 16:38

Compound	%D

4-Chlorophenyl-phenylether	-33.63



INITIAL CALIBRATION CHECK
EPA 8270E

Laboratory: Analytical Resources, LLC

SDG: 22F0267

Client: GeoEngineers

Project: RG Haley Site-Bellingham

Instrument ID: NT6

Calibration: FE00035

Lab File ID: NT622062401.D

Calibration Date: 05/16/2022

Sequence: SKF0291

Injection Date: 06/24/22

Lab Sample ID: SKF0291-ICV1

Injection Time: 10:22

Sequence Name: Initial Cal Check

COMPOUND	TYPE	CONC. (ug/mL)		RESPONSE FACTOR			% DRIFT/DIFF	
		STD	ICV	ICAL	ICV	MIN	ICV	LIMIT
Naphthalene	A	25.000	24.9	0.8406287	0.8375253		-0.4	+/-20
2-Methylnaphthalene	A	25.000	25.7	0.4800184	0.4938114		2.9	+/-20
Acenaphthene	A	25.000	23.5	0.9311408	0.8763927		-5.9	+/-20
Pentachlorophenol	A	25.000	23.2	0.1365836	0.1265737		-7.3	+/-20
Phenanthrene	A	25.000	23.4	0.8243973	0.7706479		-6.5	+/-20
Fluoranthene	A	25.000	26.2	0.9317361	0.9763624		4.8	+/-20
Benzo(a)anthracene	A	25.000	24.1	1.1089200	1.0689270		-3.6	+/-20
Chrysene	A	25.000	23.4	1.0187150	0.9519267		-6.6	+/-20
Benzo(b)fluoranthene	A	25.000	26.8	0.9873224	1.0566740		7.0	+/-20
Benzo(k)fluoranthene	A	25.000	24.4	0.9892890	0.9647886		-2.5	+/-20
Benzo(a)pyrene	A	25.000	24.1	0.9265235	0.8937835		-3.5	+/-20
Indeno(1,2,3-cd)pyrene	A	25.000	22.6	1.3542800	1.2233610		-9.7	+/-20
Dibenzo(a,h)anthracene	A	25.000	22.8	1.1328750	1.0336110		-8.8	+/-20
1-Methylnaphthalene	A	25.000	26.1	0.4530575	0.4720051		4.2	+/-20
2-Fluorophenol	A	37.500	42.6	1.0810010	1.2283850		13.6	+/-20
Phenol-d5	A	37.500	42.8	1.2365880	1.4123120		14.2	+/-20
2-Chlorophenol-d4	A	37.500	43.4	1.1176800	1.2924820		15.6	+/-20
1,2-Dichlorobenzene-d4	A	25.000	27.3	0.7998831	0.8738357		9.2	+/-20
Nitrobenzene-d5	A	25.000	29.1	0.3071168	0.3578663		16.5	+/-20
2-Fluorobiphenyl	A	25.000	26.8	1.2166750	1.3046830		7.2	+/-20
2,4,6-Tribromophenol	A	37.500	45.1	0.1701749	0.2046777		20.3	+/-20
p-Terphenyl-d14	A	25.000	25.6	0.9507950	0.9743204		2.5	+/-20
1,4-Dichlorobenzene-d4	A	20.000	20.0	3808.8640	1.0000		0.0	
Naphthalene-d8	A	20.000	20.0	13223.0900	1.0000		0.0	
Acenaphthene-d10	A	20.000	20.0	7659.6360	1.0000		0.0	
Phenanthrene-d10	A	20.000	20.0	13562.8200	1.0000		0.0	
Chrysene-d12	A	20.000	20.0	10045.3400	1.0000		0.0	
Di-n-Octylphthalate-d4	A	20.000	20.0	13884.2200	1.0000		0.0	
Perylene-d12	A	20.000	20.0	11515.9100	1.0000		0.0	

* Values outside of QC limits

Data File: \\target\share\chem3\nt6.1\20220624.1\NT622062401.D

Date: 24-JUN-2022 10:22

Client ID:

Sample Info: ICV220624

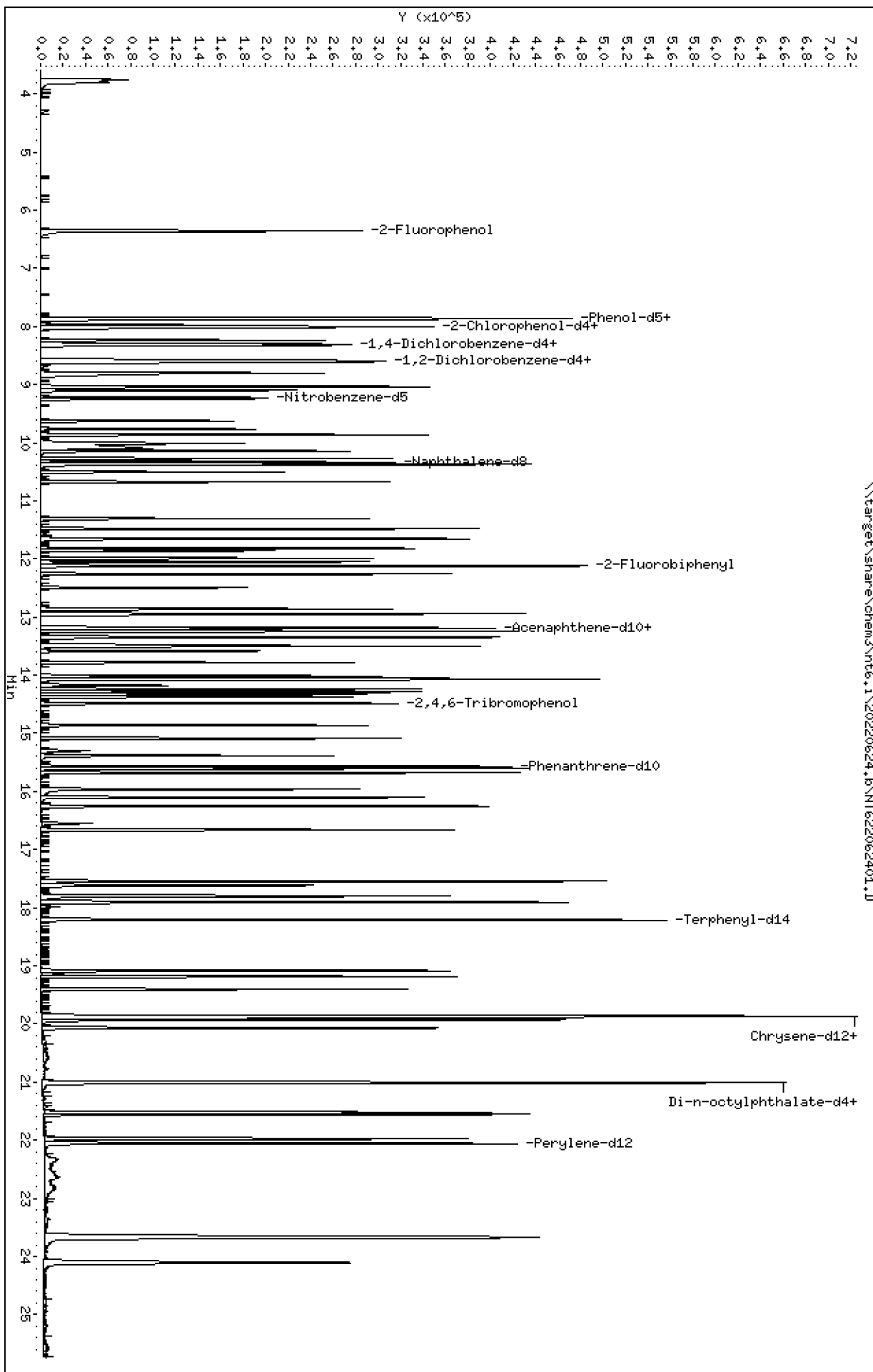
Column phase: ZB-5msi

Instrument: nt6.1

Operator: JZ

Column diameter: 0.32

\\target\share\chem3\nt6.1\20220624.1\NT622062401.D



ARI Labs, Inc.

Semivolatile Report SW846 Method 8270D

Data file : \\target\share\chem3\nt6.i\20220624.b\NT622062401.D
 Lab Smp Id: SKF0291-ICV1
 Inj Date : 24-JUN-2022 10:22
 Operator : JZ Inst ID: nt6.i
 Smp Info : ICV220624
 Misc Info : 22-
 Comment : 1ul Injection
 Method : \\target\share\chem3\nt6.i\20220624.b\SW84620220516.m
 Meth Date : 27-Jun-2022 12:58 Jianqing Quant Type: ISTD
 Cal Date : 16-MAY-2022 18:52 Cal File: NT622051604.D
 Als bottle: 1 Continuing Calibration Sample
 Dil Factor: 1.00000
 Integrator: HP RTE Compound Sublist: ICALB.sub
 Target Version: 4.14
 Processing Host: JIANQING-202105

Compounds	QUANT	SIG	RT	EXP RT	REL RT	RESPONSE	AMOUNTS	
							CAL-AMT	ON-COL
	MASS						(ug/mL)	(ug/mL)
\$ 1 2-Fluorophenol	112		6.356	6.356	(0.766)	141146	37.5000	42.61
\$ 2 Phenol-d5	99		7.862	7.862	(0.947)	162280	37.5000	42.83
3 Phenol	94		7.884	7.884	(0.950)	107955	25.0000	24.51
\$ 5 2-Chlorophenol-d4	132		8.001	8.001	(0.964)	148511	37.5000	43.36
4 Bis(2-Chloroethyl)ether	93		7.969	7.969	(0.960)	66128	25.0000	24.88
6 2-Chlorophenol	128		8.023	8.023	(0.967)	87383	25.0000	24.30
7 1,3-Dichlorobenzene	146		8.236	8.236	(0.992)	91038	25.0000	24.37
* 8 1,4-Dichlorobenzene-d4	152		8.300	8.300	(1.000)	61282	20.0000	
9 1,4-Dichlorobenzene	146		8.322	8.322	(1.003)	90453	25.0000	24.82
\$ 10 1,2-Dichlorobenzene-d4	152		8.594	8.594	(1.035)	66938	25.0000	27.31
12 1,2-Dichlorobenzene	146		8.615	8.615	(1.038)	86939	25.0000	25.12
11 Benzyl alcohol	108		8.573	8.573	(1.033)	53222	25.0000	25.88
14 2,2'-oxybis(1-Chloropropane)	45		8.824	8.824	(1.063)	50856	25.0000	24.93
13 2-Methylphenol	108		8.802	8.802	(1.060)	73814	25.0000	24.75
17 Hexachloroethane	117		9.101	9.101	(1.097)	36986	25.0000	25.17
16 N-Nitroso-di-n-propylamine	70		9.048	9.048	(1.090)	50698	25.0000	25.45
15 4-Methylphenol	108		9.032	9.032	(1.088)	81462	25.0000	25.60
\$ 18 Nitrobenzene-d5	82		9.224	9.224	(0.893)	95710	25.0000	29.13
19 Nitrobenzene	77		9.251	9.251	(0.895)	78267	25.0000	25.09
20 Isophorone	82		9.625	9.625	(0.931)	104765	25.0000	26.49
21 2-Nitrophenol	139		9.764	9.764	(0.945)	49505	25.0000	25.64
22 2,4-Dimethylphenol	107		9.865	9.865	(0.955)	93731	25.0000	25.82
23 Bis(2-Chloroethoxy)methane	93		10.009	10.009	(0.968)	70632	25.0000	25.02
24 Benzoic acid	105		10.111	10.111	(0.978)	123529	50.0000	53.33
25 2,4-Dichlorophenol	162		10.143	10.143	(0.981)	75724	25.0000	25.60
26 1,2,4-Trichlorobenzene	180		10.271	10.271	(0.994)	83569	25.0000	24.80
* 27 Naphthalene-d8	136		10.335	10.335	(1.000)	213957	20.0000	
28 Naphthalene	128		10.367	10.367	(1.003)	223993	25.0000	24.91
29 4-Chloroaniline	127		10.506	10.506	(1.017)	89068	25.0000	24.10
30 Hexachlorobutadiene	225		10.677	10.677	(1.033)	58426	25.0000	26.87
31 4-Chloro-3-methylphenol	107		11.307	11.307	(1.094)	79223	25.0000	26.60
32 2-Methylnaphthalene	141		11.484	11.484	(1.111)	132068	25.0000	25.72
33 Hexachlorocyclopentadiene	237		11.857	11.857	(0.899)	52429	25.0000	20.79

Compounds	QUANT SIG					AMOUNTS	
	MASS	RT	EXP RT	REL RT	RESPONSE	CAL-AMT (ug/mL)	ON-COL (ug/mL)
34 2,4,6-Trichlorophenol	196	11.991	11.991	(0.909)	63009	25.0000	24.20
35 2,4,5-Trichlorophenol	196	12.050	12.050	(0.913)	66937	25.0000	24.14
\$ 36 2-Fluorobiphenyl	172	12.119	12.119	(0.919)	227385	25.0000	26.81
37 2-Chloronaphthalene	162	12.263	12.263	(0.930)	157715	25.0000	23.36
38 2-Nitroaniline	65	12.498	12.498	(0.947)	40326	25.0000	23.62
39 Dimethylphthalate	163	12.862	12.862	(0.975)	187558	25.0000	25.38
40 Acenaphthylene	152	12.942	12.942	(0.981)	257694	25.0000	23.54
41 2,6-Dinitrotoluene	165	12.958	12.958	(0.982)	41971	25.0000	24.92
* 42 Acenaphthene-d10	164	13.193	13.193	(1.000)	139427	20.0000	
43 3-Nitroaniline	138	13.177	13.177	(0.999)	39192	25.0000	23.83
44 Acenaphthene	153	13.246	13.246	(1.004)	152741	25.0000	23.53
45 2,4-Dinitrophenol	184	13.337	13.337	(1.011)	33129	50.0000	33.12
46 Dibenzofuran	168	13.502	13.502	(1.023)	225056	25.0000	23.99
47 4-Nitrophenol	109	13.476	13.476	(1.021)	33029	25.0000	27.78
48 2,4-Dinitrotoluene	165	13.588	13.588	(1.030)	57441	25.0000	26.42
50 Diethylphthalate	149	14.015	14.015	(1.062)	185804	25.0000	26.03
49 Fluorene	166	14.063	14.063	(1.066)	187325	25.0000	24.96
51 4-Chlorophenyl-phenylether	204	14.079	14.079	(1.067)	102541	25.0000	24.35
52 4-Nitroaniline	138	14.175	14.175	(1.074)	35410	25.0000	23.80
53 4,6-Dinitro-2-methylphenol	198	14.245	14.245	(0.915)	83493	50.0000	56.70
54 N-Nitrosodiphenylamine	169	14.288	14.288	(0.918)	135040	25.0000	23.17
\$ 55 2,4,6-Tribromophenol	330	14.485	14.485	(1.098)	53508	37.5000	45.10
56 4-Bromophenyl-phenylether	248	14.864	14.864	(0.955)	59604	25.0000	23.59
57 Hexachlorobenzene	284	15.083	15.083	(0.969)	65205	25.0000	23.72
58 Pentachlorophenol	266	15.383	15.383	(0.988)	42549	25.0000	23.17
* 59 Phenanthrene-d10	188	15.569	15.569	(1.000)	268928	20.0000	
60 Phenanthrene	178	15.607	15.607	(1.002)	259061	25.0000	23.37
61 Anthracene	178	15.676	15.676	(1.007)	255454	25.0000	23.04
62 Carbazole	167	15.959	15.959	(1.025)	221498	25.0000	23.24
63 Di-n-butylphthalate	149	16.659	16.659	(1.070)	304891	25.0000	25.54
64 Fluoranthene	202	17.546	17.546	(1.127)	328214	25.0000	26.20
65 Pyrene	202	17.904	17.904	(0.900)	326488	25.0000	22.70
\$ 66 Terphenyl-d14	244	18.208	18.208	(0.915)	279021	25.0000	25.62
67 Butylbenzylphthalate	149	19.084	19.084	(0.959)	145692	25.0000	25.87
68 Benzo(a)anthracene	228	19.864	19.864	(0.999)	306114	25.0000	24.10
* 69 Chrysene-d12	240	19.890	19.890	(1.000)	229100	20.0000	
70 3,3'-Dichlorobenzidine	252	19.869	19.869	(0.999)	100230	25.0000	26.34
71 Chrysene	228	19.933	19.933	(1.002)	272608	25.0000	23.36
72 bis(2-Ethylhexyl)phthalate	149	20.072	20.072	(0.956)	190320	25.0000	25.26
* 134 Di-n-octylphthalate-d4	153	21.007	21.007	(1.000)	325717	20.0000	
73 Di-n-octylphthalate	149	21.012	21.012	(1.000)	323804	25.0000	23.82
74 Benzo(b)fluoranthene	252	21.519	21.519	(0.976)	301160	25.0000	26.76
75 Benzo(k)fluoranthene	252	21.557	21.557	(0.977)	274972	25.0000	24.38
187 Total Benzofluoranthenes	252	21.557	21.557	(0.977)	548582	50.0000	51.22
76 Benzo(a)pyrene	252	21.973	21.973	(0.996)	254735	25.0000	24.12
* 77 Perylene-d12	264	22.054	22.054	(1.000)	228006	20.0000	
78 Indeno(1,2,3-cd)pyrene	276	23.656	23.656	(1.073)	348667	25.0000	22.58
79 Dibenzo(a,h)anthracene	278	23.683	23.683	(1.074)	294587	25.0000	22.81
80 Benzo(g,h,i)perylene	276	24.104	24.104	(1.093)	290709	25.0000	21.95
90 N-Nitrosodimethylamine	74	3.803	3.803	(0.458)	42161	25.0000	27.26
103 Pyridine	79	3.755	3.755	(0.452)	72869	25.0000	25.04
91 Aniline	93	7.857	7.857	(0.947)	101217	25.0000	22.35
105 1-methylnaphthalene	141	11.654	11.654	(1.128)	126236	25.0000	26.05
111 Azobenzene (1,2-DP-Hydrazine)	77	14.330	14.330	(0.920)	152407	25.0000	22.26

Compounds	QUANT SIG						AMOUNTS	
	MASS		RT	EXP RT	REL RT	RESPONSE	CAL-AMT (ug/mL)	ON-COL (ug/mL)
=====	=====		=====	=====	=====	=====	=====	=====
144 alpha-Terpineol	59		10.383	10.383	(1.005)	46680	25.0000	25.24
133 Butylatedhydroxytoluene	205		13.353	13.353	(1.012)	161075	25.0000	21.77
115 Tributyl Phosphate	99		14.373	14.373	(0.923)	182672	25.0000	23.65
116 Dibutyl Phenyl Phosphate	175		16.104	16.104	(1.034)	148842	25.0000	25.84
117 Butyl Diphenyl Phosphate	94		17.797	17.797	(0.895)	43791	25.0000	23.62
118 Triphenyl Phosphate	326		19.404	19.404	(0.976)	53898	25.0000	23.80
120 2,3,4,6-Tetrachlorophenol	232		13.786	13.786	(1.045)	55146	25.0000	26.01
151 1,2,4,5-Tetrachlorobenzene	216		11.820	11.820	(0.896)	90652	25.0000	23.69

ARI Labs, Inc.

INTERNAL STANDARD COMPOUNDS
 AREA AND RT SUMMARY

Instrument ID: nt6.i Calibration Date: 22-JUN-2022
 Lab File ID: NT622062401.D Calibration Time: 10:58
 Lab Smp Id: SKF0291-ICV1
 Analysis Type: SV Level:
 Quant Type: ISTD Sample Type:
 Operator: JZ
 Method File: \\target\share\chem3\nt6.i\20220624.b\SW84620220516.m
 Misc Info: 22-

Test Mode: Use Initial Calibration Level 4.

COMPOUND	STANDARD	AREA LIMIT		SAMPLE	%DIFF
		LOWER	UPPER		
8 1,4-Dichlorobenze	71723	35862	143446	61282	-14.56
27 Naphthalene-d8	255203	127602	510406	213957	-16.16
42 Acenaphthene-d10	144799	72400	289598	139427	-3.71
59 Phenanthrene-d10	257295	128648	514590	268928	4.52
69 Chrysene-d12	195882	97941	391764	229100	16.96
134 Di-n-octylphthala	272032	136016	544064	325717	19.73
77 Perylene-d12	222542	111271	445084	228006	2.46

COMPOUND	STANDARD	RT LIMIT		SAMPLE	%DIFF
		LOWER	UPPER		
8 1,4-Dichlorobenze	8.30	7.80	8.80	8.30	0.00
27 Naphthalene-d8	10.34	9.84	10.84	10.34	0.00
42 Acenaphthene-d10	13.19	12.69	13.69	13.19	0.00
59 Phenanthrene-d10	15.57	15.07	16.07	15.57	0.00
69 Chrysene-d12	19.89	19.39	20.39	19.89	0.00
134 Di-n-octylphthala	21.01	20.51	21.51	21.01	0.00
77 Perylene-d12	22.05	21.55	22.55	22.05	0.00

AREA UPPER LIMIT = +100% of internal standard area.
 AREA LOWER LIMIT = - 50% of internal standard area.
 RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
 RT LOWER LIMIT = - 0.50 minutes of internal standard RT.

REVIEW SUMMARY FOR FILE - NT622062401.D

Lab ID: SKF0291-ICV1
nt6.i, SW84620220516.m, 24-JUN-2022 10:22

RT CO-ELUTION COMPOUNDS

NO CO-ELUTIONS

Quant Method: ICAL

No RRT check performed

On Column LOD for nt6.i, SW84620220516.m, ICALB.sub = 0.0100

* Only compounds listed in the work order have been verified by the analyst *

Q-FLAG SUMMARY FOR DATABATCH - \\target\share\chem3\nt6.i\20220624.b

Instrument: nt6.i Date: 24-JUN-2022 Method: SW84620220516.m

INITIAL CAL: 16-MAY-2022

Compound	%RSD or R ²

NO Q-FLAGS	

ICV CAL: NT622062401.D 24-JUN-2022 10:22

Compound	%D

2,4-Dinitrophenol	-33.8



INITIAL CALIBRATION CHECK
EPA 8270E

Laboratory: Analytical Resources, LLC

SDG: 22F0267

Client: GeoEngineers

Project: RG Haley Site-Bellingham

Instrument ID: NT10

Calibration: FF00062

Lab File ID: NT1022063002.D

Calibration Date: 06/23/2022

Sequence: SKG0010

Injection Date: 06/30/22

Lab Sample ID: SKG0010-ICV1

Injection Time: 14:09

Sequence Name: ABN 5

COMPOUND	TYPE	CONC. (ug/mL)		RESPONSE FACTOR			% DRIFT/DIFF	
		STD	ICV	ICAL	ICV	MIN	ICV	LIMIT
Naphthalene	A	5.0000	5.2	1.0237250	1.0676650		4.3	+/-20
2-Methylnaphthalene	A	5.0000	5.4	1.0174370	1.0974350		7.9	+/-20
Acenaphthene	A	5.0000	5.3	1.1633080	1.2265560		5.4	+/-20
Pentachlorophenol	A	10.000	7.0	0.0462824	0.0431700		-30.2	+/-20 *
Phenanthrene	A	5.0000	5.1	1.0508770	1.0622490		1.1	+/-20
Fluoranthene	A	5.0000	5.3	2.5859780	3.0772130		5.0	+/-20
Benzo(a)anthracene	A	5.0000	5.1	1.6949770	1.7203250		1.5	+/-20
Chrysene	A	5.0000	5.7	1.1695310	1.3632120		14.2	+/-20
Benzo(b)fluoranthene	A	5.0000	4.0	1.8115340	1.4656650		-19.1	+/-20
Benzo(k)fluoranthene	A	5.0000	4.2	1.7419410	1.4740840		-15.4	+/-20
Benzo(a)pyrene	A	5.0000	4.3	1.4826420	1.2742120		-14.1	+/-20
Indeno(1,2,3-cd)pyrene	A	5.0000	4.8	1.5830350	1.5137620		-4.4	+/-20
Dibenzo(a,h)anthracene	A	5.0000	5.1	1.2118700	1.2369780		2.1	+/-20
1-Methylnaphthalene	A	5.0000	5.4	0.9995882	1.0851330		8.6	+/-20
2-Fluorophenol	A	7.5000	7.19	1.4606150	1.4011080		-4.1	+/-20
Phenol-d5	A	7.5000	7.75	2.1672350	2.2384280		3.3	+/-20
2-Chlorophenol-d4	A	7.5000	7.51	1.4882780	1.4900790		0.1	+/-20
1,2-Dichlorobenzene-d4	A	5.0000	5.14	0.9170783	0.9424857		2.8	+/-20
Nitrobenzene-d5	A	5.0000	4.95	0.4256249	0.4215503		-1.0	+/-20
2-Fluorobiphenyl	A	5.0000	5.21	1.8101110	1.8869260		4.2	+/-20
2,4,6-Tribromophenol	A	7.5000	7.92	0.1582114	0.1925398		5.6	+/-20
p-Terphenyl-d14	A	5.0000	5.65	1.3958840	1.5768440		13.0	+/-20
1,4-Dichlorobenzene-d4	A	4.0000	4.0	38854.2500	1.0000			
Naphthalene-d8	A	4.0000	4.0	122796.3000	1.0000			
Acenaphthene-d10	A	4.0000	4.0	70494.2500	1.0000			
Phenanthrene-d10	A	4.0000	4.0	124644.3000	1.0000			
Chrysene-d12	A	4.0000	4.0	65886.0000	1.0000			
Di-n-Octylphthalate-d4	A	4.0000	4.0	113292.5000	1.0000			
Perylene-d12	A	4.0000	4.0	43579.0000	1.0000			

* Values outside of QC limits

Data File: \\target\share\chem3\nt10.1\20220630.1\NT1022063002.D

Date: 30-JUN-2022 14:09

Client ID:

Sample Info: SK00010-ICW1

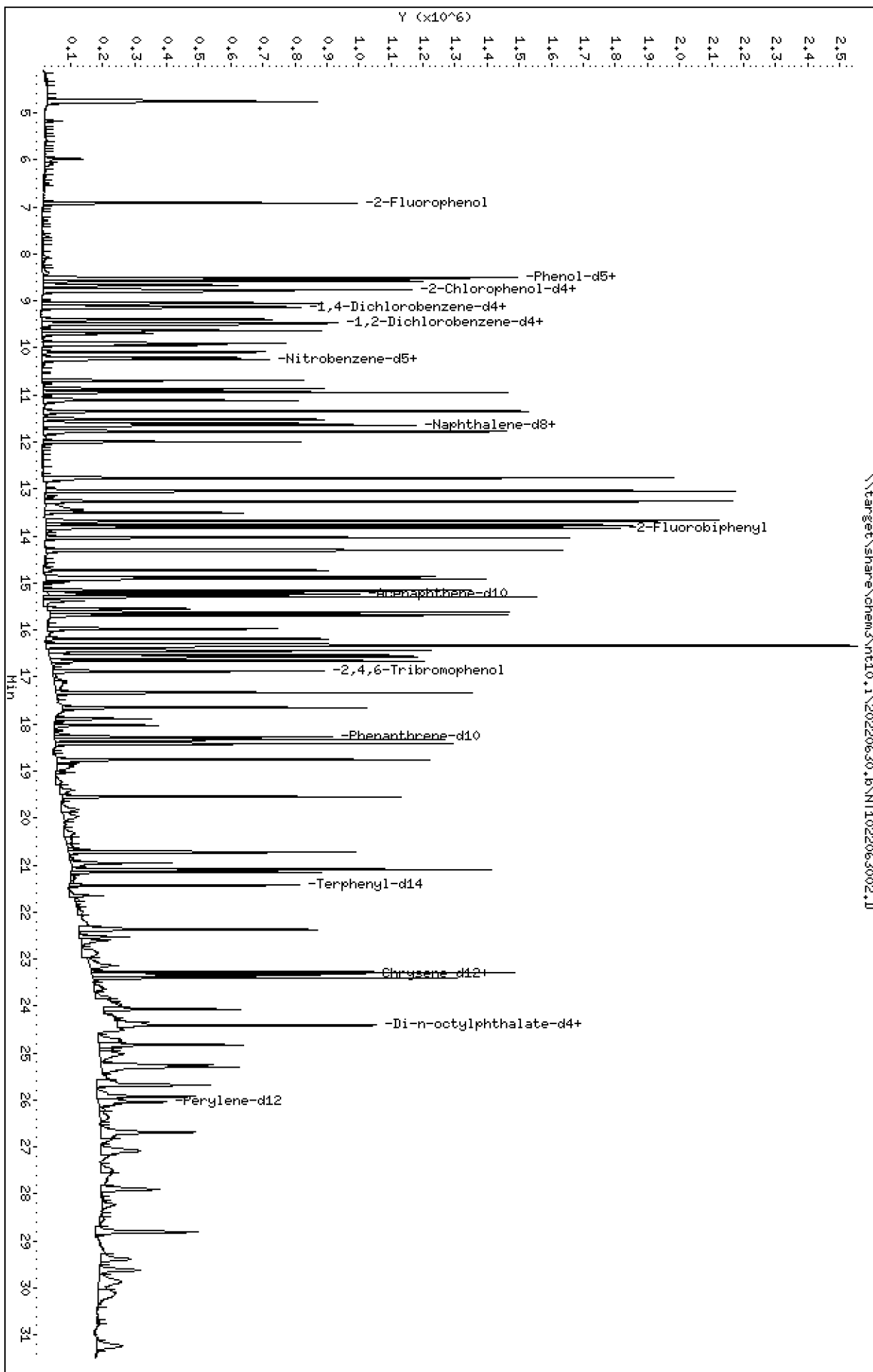
Column phase: ZB-5msi

Instrument: nt10.1

Operator: VTS

Column diameter: 0.25

Page 1



ARI Labs, Inc.

Semivolatile Report SW846 Method 8270D

Data file : \\target\share\chem3\nt10.i\20220630.b\NT1022063002.D
 Lab Smp Id: SKG0010-ICV1
 Inj Date : 30-JUN-2022 14:09
 Operator : VTS
 Smp Info : SKG0010-ICV1
 Misc Info :
 Comment : 1ul Injection
 Method : \\target\share\chem3\nt10.i\20220630.b\ABN.m
 Meth Date : 01-Jul-2022 17:13 yev
 Cal Date : 23-JUN-2022 13:07
 Als bottle: 2
 Dil Factor: 1.00000
 Integrator: HP RTE
 Target Version: 4.14
 Processing Host: ORGDATA102

Inst ID: nt10.i
 Quant Type: ISTD
 Cal File: NT1022062308.D
 Continuing Calibration Sample
 Compound Sublist: ICAL.sub

Compounds	QUANT	SIG	RT	EXP RT	REL RT	RESPONSE	AMOUNTS	
							CAL-AMT	ON-COL
	MASS						(ug/mL)	(ug/mL)
\$ 1 2-Fluorophenol	112		6.922	6.922	(0.759)	544835	7.50000	7.194
\$ 2 Phenol-d5	99		8.513	8.513	(0.934)	870435	7.50000	7.746
3 Phenol	94		8.529	8.529	(0.936)	479128	5.00000	4.893
\$ 5 2-Chlorophenol-d4	132		8.768	8.768	(0.962)	579432	7.50000	7.509
4 Bis(2-Chloroethyl)ether	93		8.660	8.660	(0.950)	339881	5.00000	4.823
6 2-Chlorophenol	128		8.791	8.791	(0.964)	387790	5.00000	4.968
7 1,3-Dichlorobenzene	146		9.055	9.055	(0.993)	406558	5.00000	4.815
* 8 1,4-Dichlorobenzene-d4	152		9.117	9.117	(1.000)	207392	4.00000	
9 1,4-Dichlorobenzene	146		9.148	9.148	(1.003)	333142	5.00000	5.006
\$ 10 1,2-Dichlorobenzene-d4	152		9.474	9.474	(1.039)	244330	5.00000	5.139
12 1,2-Dichlorobenzene	146		9.505	9.505	(1.043)	352382	5.00000	4.988
11 Benzyl alcohol	108		9.396	9.396	(1.031)	221982	5.00000	5.691
14 2,2'-oxybis(1-Chloropropane)	121		9.683	9.683	(1.062)	84028	5.00000	5.029
13 2-Methylphenol	108		9.637	9.637	(1.057)	305523	5.00000	5.061
17 Hexachloroethane	117		10.087	10.087	(1.106)	153535	5.00000	5.175
16 N-Nitroso-di-n-propylamine	70		9.939	9.939	(1.090)	197645	5.00000	4.707
15 4-Methylphenol	108		9.901	9.901	(1.086)	319880	5.00000	4.958
\$ 18 Nitrobenzene-d5	82		10.211	10.211	(0.880)	367243	5.00000	4.952
19 Nitrobenzene	77		10.242	10.242	(0.883)	362867	5.00000	4.855
20 Isophorone	82		10.692	10.692	(0.921)	574894	5.00000	5.317
21 2-Nitrophenol	139		10.876	10.876	(0.937)	248695	5.00000	5.268
22 2,4-Dimethylphenol	107		10.944	10.944	(0.943)	480696	10.0000	8.382
23 Bis(2-Chloroethoxy)methane	93		11.123	11.123	(0.959)	312590	5.00000	4.812
24 Benzoic acid	105		11.123	11.123	(0.959)	191473	20.0000	6.409
25 2,4-Dichlorophenol	162		11.352	11.352	(0.978)	636611	10.0000	10.92
26 1,2,4-Trichlorobenzene	180		11.519	11.519	(0.993)	298192	5.00000	4.766
* 27 Naphthalene-d8	136		11.604	11.604	(1.000)	696938	4.00000	
28 Naphthalene	128		11.643	11.643	(1.003)	930120	5.00000	5.215
29 4-Chloroaniline	127		11.774	11.774	(1.015)	936204	10.0000	11.89
30 Hexachlorobutadiene	225		11.998	11.998	(1.034)	153398	5.00000	5.139
31 4-Chloro-3-methylphenol	107		12.764	12.764	(1.100)	712571	10.0000	10.11
32 2-Methylnaphthalene	142		13.043	13.043	(1.124)	956055	5.00000	5.393
33 Hexachlorocyclopentadiene	237		13.507	13.507	(0.887)	141272	10.0000	6.055

Compounds	QUANT SIG					AMOUNTS	
	MASS	RT	EXP RT	REL RT	RESPONSE	CAL-AMT (ug/mL)	ON-COL (ug/mL)
34 2,4,6-Trichlorophenol	196	13.677	13.677	(0.898)	527480	10.0000	11.74
35 2,4,5-Trichlorophenol	196	13.770	13.770	(0.904)	577236	10.0000	10.80
\$ 36 2-Fluorobiphenyl	172	13.824	13.824	(0.908)	932710	5.00000	5.212
37 2-Chloronaphthalene	162	14.041	14.041	(0.922)	857525	5.00000	5.436
38 2-Nitroaniline	65	14.304	14.304	(0.940)	461668	10.0000	10.94
39 Dimethylphthalate	163	14.730	14.730	(0.967)	672416	5.00000	4.849
40 Acenaphthylene	152	14.916	14.916	(0.980)	1201684	5.00000	5.199
41 2,6-Dinitrotoluene	165	14.869	14.869	(0.977)	339116	10.0000	10.53
* 42 Acenaphthene-d10	164	15.225	15.225	(1.000)	395441	4.00000	
43 3-Nitroaniline	138	15.163	15.163	(0.996)	429380	10.0000	11.32
44 Acenaphthene	153	15.295	15.295	(1.005)	606288	5.00000	5.272
45 2,4-Dinitrophenol	184	15.387	15.387	(1.011)	43982	20.0000	3.062
46 Dibenzofuran	168	15.619	15.619	(1.026)	1021012	5.00000	5.586
47 4-Nitrophenol	109	15.550	15.550	(1.021)	123193	10.0000	9.746
48 2,4-Dinitrotoluene	165	15.689	15.689	(1.030)	494631	10.0000	11.49
50 Diethylphthalate	149	16.191	16.191	(1.063)	613792	5.00000	5.160
49 Fluorene	166	16.338	16.338	(1.073)	1021471	5.00000	4.677
51 4-Chlorophenyl-phenylether	204	16.331	16.331	(1.073)	405905	5.00000	4.232
52 4-Nitroaniline	138	16.439	16.439	(1.080)	478368	10.0000	12.60
53 4,6-Dinitro-2-methylphenol	198	16.539	16.539	(0.905)	329531	20.0000	13.98
54 N-Nitrosodiphenylamine	169	16.577	16.577	(0.907)	534196	5.00000	5.633
\$ 55 2,4,6-Tribromophenol	330	16.878	16.878	(1.109)	142759	7.50000	7.917
56 4-Bromophenyl-phenylether	248	17.333	17.333	(0.948)	259964	5.00000	5.917
57 Hexachlorobenzene	284	17.658	17.658	(0.966)	213012	5.00000	5.323
58 Pentachlorophenol	266	18.029	18.029	(0.986)	65086	10.0000	6.985
* 59 Phenanthrene-d10	188	18.277	18.277	(1.000)	603067	4.00000	
60 Phenanthrene	178	18.331	18.331	(1.003)	800759	5.00000	5.054
61 Anthracene	178	18.424	18.424	(1.008)	871783	5.00000	5.163
62 Carbazole	167	18.757	18.757	(1.026)	865145	5.00000	5.554
63 Di-n-butylphthalate	149	19.554	19.554	(1.070)	933911	5.00000	3.895
64 Fluoranthene	202	20.722	20.722	(0.887)	569846	5.00000	5.251
65 Pyrene	202	21.147	21.147	(0.906)	502397	5.00000	5.268
\$ 66 Terphenyl-d14	244	21.434	21.434	(0.918)	292004	5.00000	5.648
67 Butylbenzylphthalate	149	22.363	22.363	(0.958)	202552	5.00000	6.768
68 Benzo(a)anthracene	228	23.331	23.331	(0.999)	318574	5.00000	5.075
* 69 Chrysene-d12	240	23.354	23.354	(1.000)	148146	4.00000	
70 3,3'-Dichlorobenzidine	252	23.284	23.284	(0.997)	325415	15.0000	15.91
71 Chrysene	228	23.400	23.400	(1.002)	252443	5.00000	5.708
72 bis(2-Ethylhexyl)phthalate	149	23.400	23.400	(0.959)	229110	5.00000	6.730
* 134 Di-n-octylphthalate-d4	153	24.407	24.407	(1.000)	308009	4.00000	
73 Di-n-octylphthalate	149	24.415	24.415	(1.000)	366905	5.00000	5.241
74 Benzo(b)fluoranthene	252	25.251	25.251	(0.970)	211697	5.00000	4.045
75 Benzo(k)fluoranthene	252	25.297	25.297	(0.971)	212913	5.00000	4.231
76 Benzo(a)pyrene	252	25.924	25.924	(0.996)	184044	5.00000	4.297
* 77 Perylene-d12	264	26.041	26.041	(1.000)	115550	4.00000	
78 Indeno(1,2,3-cd)pyrene	276	28.806	28.806	(1.106)	218644	5.00000	4.781
79 Dibenzo(a,h)anthracene	278	28.814	28.814	(1.107)	178666	5.00000	5.104
80 Benzo(g,h,i)perylene	276	29.622	29.622	(1.138)	168887	5.00000	4.620
90 N-Nitrosodimethylamine	74	4.736	4.736	(0.519)	426201	10.0000	8.602
91 Aniline	93	8.575	8.575	(0.941)	844208	10.0000	8.621
93 Benzidine	184	20.962	20.962	(0.898)	195710	10.0000	8.955
103 Pyridine	79	4.759	4.759	(0.522)	551811	5.00000	3.929
105 1-methylnaphthalene	142	13.267	13.267	(1.143)	945338	5.00000	5.428
111 Azobenzene (1,2-DP-Hydrazine)	77	16.655	16.655	(1.094)	772753	5.00000	4.893

Compounds	QUANT SIG		AMOUNTS					
	MASS		RT	EXP RT	REL RT	RESPONSE	CAL-AMT (ug/mL)	ON-COL (ug/mL)
=====	=====		=====	=====	=====	=====	=====	=====
187 Total Benzofluoranthenes	252		25.251	25.251	(0.970)	401808	10.0000	8.235
120 2,3,4,6-Tetrachlorophenol	232		15.975	15.975	(1.049)	165421	5.00000	4.796

ARI Labs, Inc.

INTERNAL STANDARD COMPOUNDS
 AREA AND RT SUMMARY

Instrument ID: nt10.i Calibration Date: 25-JUN-2022
 Lab File ID: NT1022063002.D Calibration Time: 13:55
 Lab Smp Id: SKG0010-ICV1
 Analysis Type: SV Level:
 Quant Type: ISTD Sample Type:
 Operator: VTS
 Method File: \\target\share\chem3\nt10.i\20220630.b\ABN.m
 Misc Info:

Test Mode:
 Use Last Continuing Calibrator.

COMPOUND	STANDARD	AREA LIMIT		SAMPLE	%DIFF
		LOWER	UPPER		
8 1,4-Dichlorobenze	207392	103696	414784	207392	0.00
27 Naphthalene-d8	696938	348469	1393876	696938	0.00
42 Acenaphthene-d10	395441	197721	790882	395441	0.00
59 Phenanthrene-d10	603067	301534	1206134	603067	0.00
69 Chrysene-d12	148146	74073	296292	148146	0.00
134 Di-n-octylphthala	308009	154005	616018	308009	0.00
77 Perylene-d12	115550	57775	231100	115550	0.00

COMPOUND	STANDARD	RT LIMIT		SAMPLE	%DIFF
		LOWER	UPPER		
8 1,4-Dichlorobenze	9.12	8.62	9.62	9.12	0.00
27 Naphthalene-d8	11.60	11.10	12.10	11.60	0.00
42 Acenaphthene-d10	15.23	14.73	15.73	15.23	0.00
59 Phenanthrene-d10	18.28	17.78	18.78	18.28	0.00
69 Chrysene-d12	23.35	22.85	23.85	23.35	0.00
134 Di-n-octylphthala	24.41	23.91	24.91	24.41	0.00
77 Perylene-d12	26.04	25.54	26.54	26.04	0.00

AREA UPPER LIMIT = +100% of internal standard area.
 AREA LOWER LIMIT = - 50% of internal standard area.
 RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
 RT LOWER LIMIT = - 0.50 minutes of internal standard RT.

REVIEW SUMMARY FOR FILE - NT1022063002.D

Lab ID: SKG0010-ICV1
nt10.i, ABN.m, 30-JUN-2022 14:09

RT CO-ELUTION COMPOUNDS

NO CO-ELUTIONS

Quant Method: ICAL

No RRT check. Ccal file.

On Column LOD for nt10.i, ABN.m, ICAL.sub = 0.0000

* Only compounds listed in the work order have been verified by the analyst *

Q-FLAG SUMMARY FOR DATABATCH - \\target\share\chem3\nt10.i\20220630.b

Instrument: nt10.i Date: 30-JUN-2022 Method: ABN.m

INITIAL CAL: 23-JUN-2022

Compound	%RSD or R ²
NO Q-FLAGS	

ICV CAL: NT1022063002.D 30-JUN-2022 14:09

Compound	%D
Benzoic acid	-68.0
Hexachlorocyclopentadiene	-39.4
2,4-Dinitrophenol	-84.7
4-Nitroaniline	25.97
4,6-Dinitro-2-methylphenol	-30.1
Pentachlorophenol	-30.1
Di-n-butylphthalate	-22.1
Butylbenzylphthalate	35.36
bis(2-Ethylhexyl)phthalate	34.59
Pyridine	-21.43



**SECOND-SOURCE
CONTINUING CALIBRATION CHECK
EPA 8270E**

Laboratory: Analytical Resources, LLC

SDG: 22F0267

Client: GeoEngineers

Project: RG Haley Site-Bellingham

Instrument ID: NT6

Calibration: FE00035

Lab File ID: NT622051702.D

Calibration Date: 05/16/2022

Sequence: SKE0212

Injection Date: 05/17/22

Lab Sample ID: SKE0212-SCV1

Injection Time: 12:39

Sequence Name: Secondary Cal Check

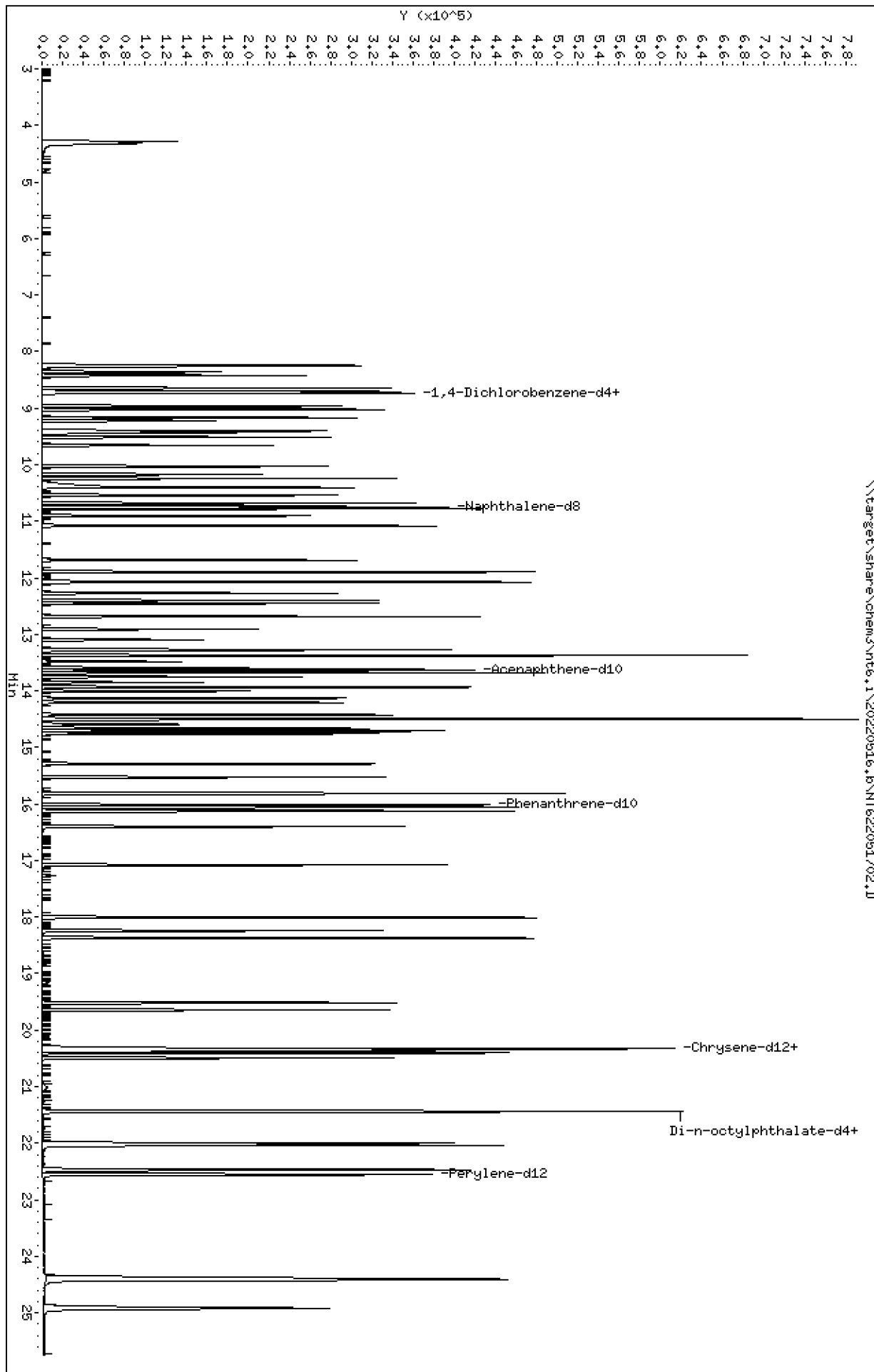
COMPOUND	TYPE	CONC. (ug/mL)		RESPONSE FACTOR (RRF)			% DRIFT/DIFF	
		STD	CCV	ICAL	CCV	MIN	CCV	LIMIT
Naphthalene	A	25.000	24.6	0.8406287	0.8287223		-1.4	+/-20
2-Methylnaphthalene	A	25.000	24.5	0.4800184	0.4713580		-1.8	+/-20
Acenaphthene	A	25.000	24.1	0.9311408	0.8992911		-3.4	+/-20
Pentachlorophenol	A	50.000	46.2	0.1365836	0.1261846		-7.6	+/-20
Phenanthrene	A	25.000	24.3	0.8243973	0.8021140		-2.7	+/-20
Fluoranthene	A	25.000	24.9	0.9317361	0.9293816		-0.3	+/-20
Benzo(a)anthracene	A	25.000	23.9	1.1089200	1.0611770		-4.3	+/-20
Chrysene	A	25.000	23.5	1.0187150	0.9574086		-6.0	+/-20
Benzo(b)fluoranthene	A	25.000	25.0	0.9873224	0.9883116		0.1	+/-20
Benzo(k)fluoranthene	A	25.000	24.5	0.9892890	0.9702573		-1.9	+/-20
Benzo(a)pyrene	A	25.000	25.6	0.9265235	0.9496666		2.5	+/-20
Indeno(1,2,3-cd)pyrene	A	25.000	23.9	1.3542800	1.2920730		-4.6	+/-20
Dibenzo(a,h)anthracene	A	25.000	24.2	1.1328750	1.0951120		-3.3	+/-20
1-Methylnaphthalene	A	25.000	26.0	0.4530575	0.4705710		3.9	+/-20

* Values outside of QC limits

Data File: \\target\share\chem3\nt6.1\20220516.b\N1622051702.D
Date: 17-May-2022 12:39
Client ID:
Sample Info: SKE0212-SCV1
Volume Injected (uL): 1.0
Column phase: ZB-5msi

Instrument: nt6.1
Operator: JZ
Column diameter: 0.32

\\target\share\chem3\nt6.1\20220516.b\N1622051702.D



ARI Labs, Inc.

Semivolatile Report SW846 Method 8270D

Data file : \\target\share\chem3\nt6.i\20220516.b\NT622051702.D
 Lab Smp Id: SKE0212-SCV1
 Inj Date : 17-MAY-2022 12:39
 Operator : JZ Inst ID: nt6.i
 Smp Info : SKE0212-SCV1
 Misc Info : 22-
 Comment : 1ul Injection
 Method : \\target\share\chem3\nt6.i\20220516.b\SW84620220516.m
 Meth Date : 17-May-2022 13:05 jianqing Quant Type: ISTD
 Cal Date : 16-MAY-2022 18:52 Cal File: NT622051604.D
 Als bottle: 2 QC Sample: LCS
 Dil Factor: 1.00000
 Integrator: HP RTE Compound Sublist: ICV.sub
 Target Version: 4.14
 Processing Host: JIANQING-202105

Concentration Formula: Amt * DF * Vt/Vo * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vt	500.000	Volume of final extract (uL)
Vo	500.000	Volume of sample extracted (mL)
Cpnd Variable		Local Compound Variable

Compounds	QUANT SIG	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS	
						ON-COLUMN (ug/mL)	FINAL (ug/L)
3 Phenol	94	8.240	8.250	(0.947)	132250	23.3708	23.37
4 Bis(2-Chloroethyl)ether	93	8.362	8.368	(0.961)	92614	27.1217	27.12
6 2-Chlorophenol	128	8.421	8.426	(0.967)	105289	22.7881	22.79
7 1,3-Dichlorobenzene	146	8.646	8.651	(0.993)	118625	24.7114	24.71
* 8 1,4-Dichlorobenzene-d4	152	8.704	8.709	(1.000)	78743	20.0000	
9 1,4-Dichlorobenzene	146	8.731	8.736	(1.003)	119878	25.6001	25.60
11 Benzyl alcohol	108	8.966	8.966	(1.030)	67360	25.4868	25.49
12 1,2-Dichlorobenzene	146	9.025	9.030	(1.037)	110097	24.7613	24.76
13 2-Methylphenol	108	9.169	9.174	(1.053)	88639	23.1271	23.13
14 2,2'-oxybis(1-Chloropropane)	45	9.222	9.222	(1.060)	75291	28.7192	28.72
15 4-Methylphenol	108	9.404	9.404	(1.080)	92693	22.6736	22.67
16 N-Nitroso-di-n-propylamine	70	9.436	9.441	(1.084)	62621	24.4606	24.46
17 Hexachloroethane	117	9.511	9.516	(1.093)	47310	25.0523	25.05
19 Nitrobenzene	77	9.660	9.660	(0.899)	98500	25.4579	25.46
20 Isophorone	82	10.029	10.034	(0.933)	170367	34.7325	34.73
21 2-Nitrophenol	139	10.173	10.173	(0.946)	56975	23.7990	23.80
22 2,4-Dimethylphenol	107	10.243	10.248	(0.953)	96910	21.5306	21.53
23 Bis(2-Chloroethoxy)methane	93	10.403	10.408	(0.968)	101564	29.0079	29.01
24 Benzoic acid	105	10.403	10.461	(0.968)	63982	22.2733	22.27
25 1,4-Dichlorophenol	162	10.542	10.541	(0.981)	84571	23.0596	23.06
26 1,2,4-Trichlorobenzene	180	10.686	10.686	(0.994)	101833	24.3683	24.37
* 27 Naphthalene-d8	136	10.750	10.750	(1.000)	265327	20.0000	

Compounds	QUANT SIG					CONCENTRATIONS	
	MASS	RT	EXP RT	REL RT	RESPONSE	ON-COLUMN (ug/mL)	FINAL (ug/L)
28 Naphthalene	128	10.782	10.782	(1.003)	274853	24.6459	24.65
29 4-Chloroaniline	127	10.905	10.910	(1.014)	103579	22.5983	22.60
30 Hexachlorobutadiene	225	11.081	11.081	(1.031)	67351	24.9799	24.98
31 4-Chloro-3-methylphenol	107	11.685	11.690	(1.087)	85820	23.2333	23.23
32 2-Methylnaphthalene	141	11.898	11.898	(1.107)	156330	24.5490	24.55
33 Hexachlorocyclopentadiene	237	12.272	12.272	(0.900)	70024	25.0388	25.04
34 2,4,6-Trichlorophenol	196	12.400	12.405	(0.910)	67694	23.4453	23.45
35 2,4,5-Trichlorophenol	196	12.454	12.459	(0.914)	72670	23.6353	23.64
37 2-Chloronaphthalene	162	12.683	12.688	(0.931)	184108	24.5865	24.59
38 2-Nitroaniline	65	12.908	12.913	(0.947)	46209	24.4113	24.41
39 Dimethylphthalate	163	13.271	13.271	(0.974)	204613	24.9692	24.97
40 Acenaphthylene	152	13.372	13.372	(0.981)	296941	24.4572	24.46
41 2,6-Dinitrotoluene	165	13.372	13.372	(0.981)	48513	25.9702	25.97
* 42 Acenaphthene-d10	164	13.629	13.623	(1.000)	154616	20.0000	
43 3-Nitroaniline	138	13.591	13.591	(0.997)	47182	25.8647	25.86
44 Acenaphthene	153	13.677	13.677	(1.004)	173806	24.1449	24.14
45 2,4-Dinitrophenol	184	13.757	13.757	(1.009)	58271	51.1473	51.15
46 Dibenzofuran	168	13.939	13.938	(1.023)	263210	25.3013	25.30
47 4-Nitrophenol	109	13.853	13.853	(1.016)	32165	24.3965	24.40
48 2,4-Dinitrotoluene	165	14.008	14.008	(1.028)	61875	25.6652	25.67
49 Fluorene	166	14.499	14.499	(1.064)	203057	24.4005	24.40
50 Diethylphthalate	149	14.425	14.424	(1.058)	206605	26.1014	26.10
51 4-Chlorophenyl-phenylether	204	14.505	14.504	(1.064)	117904	25.2475	25.25
52 4-Nitroaniline	138	14.596	14.595	(1.071)	41071	24.8962	24.90
53 4,6-Dinitro-2-methylphenol	198	14.665	14.665	(0.916)	81088	53.4614	53.46
54 N-Nitrosodiphenylamine	169	14.708	14.713	(0.918)	147244	24.5229	24.52
56 4-Bromophenyl-phenylether	248	15.295	15.295	(0.955)	65927	25.3362	25.34
57 Hexachlorobenzene	284	15.530	15.530	(0.970)	69479	24.5349	24.53
58 Pentachlorophenol	266	15.819	15.818	(0.988)	87386	46.1932	46.19
* 59 Phenanthrene-d10	188	16.016	16.016	(1.000)	277010	20.0000	
60 Phenanthrene	178	16.059	16.053	(1.003)	277742	24.3243	24.32
61 Anthracene	178	16.128	16.128	(1.007)	278521	24.3856	24.39
62 Carbazole	167	16.401	16.400	(1.024)	227640	23.1864	23.19
63 Di-n-butylphthalate	149	17.079	17.079	(1.066)	317988	25.8648	25.86
64 Fluoranthene	202	18.008	18.008	(1.124)	321810	24.9368	24.94
65 Pyrene	202	18.372	18.371	(0.902)	324542	24.2952	24.30
67 Butylbenzylphthalate	149	19.520	19.520	(0.959)	135550	25.9190	25.92
68 Benzo(a)anthracene	228	20.332	20.337	(0.998)	282228	23.9237	23.92
* 69 Chrysene-d12	240	20.364	20.364	(1.000)	212766	20.0000	
70 3,3'-Dichlorobenzidine	252	20.326	20.326	(0.998)	94354	26.7032	26.70
71 Chrysene	228	20.401	20.401	(1.002)	254630	23.4955	23.50
72 bis(2-Ethylhexyl)phthalate	149	20.492	20.492	(0.956)	176532	25.8894	25.89
* 134 Di-n-octylphthalate-d4	153	21.432	21.432	(1.000)	294742	20.0000	
73 Di-n-octylphthalate	149	21.443	21.437	(1.000)	314040	25.5294	25.53
74 Benzo(b)fluoranthene	252	22.004	22.003	(0.976)	291059	25.0250	25.03
75 Benzo(k)fluoranthene	252	22.036	22.035	(0.977)	285742	24.5191	24.52
187 Total Benzofluoranthenes	252	22.036	22.035	(0.977)	552757	49.9421	49.94
76 Benzo(a)pyrene	252	22.468	22.468	(0.996)	279678	25.6245	25.62
* 77 Perylene-d12	264	22.554	22.553	(1.000)	235601	20.0000	
78 Indeno(1,2,3-cd)pyrene	276	24.391	24.391	(1.081)	380517	23.8517	23.85
79 Dibenzo(a,h)anthracene	278	24.418	24.412	(1.083)	322512	24.1667	24.17
80 Benzo(g,h,i)perylene	276	24.920	24.925	(1.105)	324816	23.7382	23.74
90 N-Nitrosodimethylamine	74	4.325	4.335	(0.497)	57797	29.0876	29.09
91 Aniline	93	8.261	8.261	(0.949)	156829	26.9505	26.95

Compounds	QUANT SIG	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS		
						ON-COLUMN (ug/mL)	FINAL (ug/L)	
105 1-methylnaphthalene	141	12.075	12.074	(1.123)	156069	25.9664	25.97	
111 Azobenzene (1,2-DP-Hydrazine)	77	14.761	14.761	(0.922)	172739	24.4930	24.49	
93 Benzidine	184	18.243	18.243	(0.896)	206124	57.4619	57.46	
103 Pyridine	79	4.287	4.298	(0.493)	95963	25.6591	25.66	
120 2,3,4,6-Tetrachlorophenol	232	14.206	14.205	(1.042)	56016	23.8292	23.83	
151 1,2,4,5-Tetrachlorobenzene	216	Compound Not Detected.						

ARI Labs, Inc.

INTERNAL STANDARD COMPOUNDS
 AREA AND RT SUMMARY

Instrument ID: nt6.i Calibration Date: 16-MAY-2022
 Lab File ID: NT622051702.D Calibration Time: 17:11
 Lab Smp Id: SKE0212-SCV1
 Analysis Type: SV Level: LOW
 Quant Type: ISTD Sample Type: WATER
 Operator: JZ
 Method File: \\target\share\chem3\nt6.i\20220516.b\SW84620220516.m
 Misc Info: 22-

Test Mode:
 Use Last Continuing Calibrator.

COMPOUND	STANDARD	AREA LIMIT		SAMPLE	%DIFF
		LOWER	UPPER		
8 1,4-Dichlorobenze	71723	35862	143446	78743	9.79
27 Naphthalene-d8	255203	127602	510406	265327	3.97
42 Acenaphthene-d10	144799	72400	289598	154616	6.78
59 Phenanthrene-d10	257295	128648	514590	277010	7.66
69 Chrysene-d12	195882	97941	391764	212766	8.62
134 Di-n-octylphthala	272032	136016	544064	294742	8.35
77 Perylene-d12	222542	111271	445084	235601	5.87

COMPOUND	STANDARD	RT LIMIT		SAMPLE	%DIFF
		LOWER	UPPER		
8 1,4-Dichlorobenze	8.71	8.21	9.21	8.70	-0.06
27 Naphthalene-d8	10.75	10.25	11.25	10.75	0.00
42 Acenaphthene-d10	13.62	13.12	14.12	13.63	0.04
59 Phenanthrene-d10	16.02	15.52	16.52	16.02	0.00
69 Chrysene-d12	20.36	19.86	20.86	20.36	0.00
134 Di-n-octylphthala	21.43	20.93	21.93	21.43	0.00
77 Perylene-d12	22.55	22.05	23.05	22.55	0.00

AREA UPPER LIMIT = +100% of internal standard area.
 AREA LOWER LIMIT = - 50% of internal standard area.
 RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
 RT LOWER LIMIT = - 0.50 minutes of internal standard RT.

REVIEW SUMMARY FOR FILE - NT622051702.D

Lab ID: SKE0212-SCV1

nt6.i, SW84620220516.m, 17-MAY-2022 12:39

RT CO-ELUTION COMPOUNDS

13.373 Acenaphthylene and 2,6-Dinitrotoluene

Quant Method: ICAL

No RRT check performed

On Column LOD for nt6.i, SW84620220516.m, ICV.sub = 0.0000

Exception: Total Benzofluoranthenes 0.5000

* Only compounds listed in the work order have been verified by the analyst *



CONTINUING CALIBRATION CHECK
EPA 8270E

Laboratory: Analytical Resources, LLC

SDG: 22F0267

Client: GeoEngineers

Project: RG Haley Site-Bellingham

Instrument ID: NT6

Calibration: FE00035

Lab File ID: NT622062222.D

Calibration Date: 05/16/2022

Sequence: SKF0267

Injection Date: 06/22/22

Lab Sample ID: SKF0267-CCV1

Injection Time: 22:54

Sequence Name: Calibration Check

COMPOUND	TYPE	CONC. (ug/mL)		RESPONSE FACTOR (RRF)			% DRIFT/DIFF	
		STD	CCV	ICAL	CCV	MIN	CCV	LIMIT
Naphthalene	A	25.000	25.2	0.8406287	0.8463586		0.7	+/-50
2-Methylnaphthalene	A	25.000	25.5	0.4800184	0.4887292		1.8	+/-50
Acenaphthene	A	25.000	24.2	0.9311408	0.9010450		-3.2	+/-50
Pentachlorophenol	A	25.000	23.4	0.1365836	0.1276476		-6.5	+/-50
Phenanthrene	A	25.000	24.1	0.8243973	0.7936536		-3.7	+/-50
Fluoranthene	A	25.000	27.6	0.9317361	1.0283990		10.4	+/-50
Benzo(a)anthracene	A	25.000	24.4	1.1089200	1.0839870		-2.2	+/-50
Chrysene	A	25.000	23.9	1.0187150	0.9741871		-4.4	+/-50
Benzo(b)fluoranthene	A	25.000	25.8	0.9873224	1.0203600		3.3	+/-50
Benzo(k)fluoranthene	A	25.000	26.3	0.9892890	1.0425950		5.4	+/-50
Benzo(a)pyrene	A	25.000	24.5	0.9265235	0.9075407		-2.0	+/-50
Indeno(1,2,3-cd)pyrene	A	25.000	18.4	1.3542800	0.9992473		-26.2	+/-50
Dibenzo(a,h)anthracene	A	25.000	18.7	1.1328750	0.8475849		-25.2	+/-50
1-Methylnaphthalene	A	25.000	25.6	0.4530575	0.4648093		2.6	+/-50
2-Fluorophenol	A	37.500	43.1	1.0810010	1.2431350		15.0	+/-50
Phenol-d5	A	37.500	41.4	1.2365880	1.3664060		10.5	+/-50
2-Chlorophenol-d4	A	37.500	42.9	1.1176800	1.2776520		14.3	+/-50
1,2-Dichlorobenzene-d4	A	25.000	27.8	0.7998831	0.8907745		11.4	+/-50
Nitrobenzene-d5	A	25.000	29.2	0.3071168	0.3584699		16.7	+/-50
2-Fluorobiphenyl	A	25.000	27.1	1.2166750	1.3206340		8.5	+/-50
2,4,6-Tribromophenol	A	37.500	43.7	0.1701749	0.1984583		16.6	+/-50
p-Terphenyl-d14	A	25.000	22.8	0.9507950	0.8670831		-8.8	+/-50

* Values outside of QC limits

Data File: \\target\share\chem3\nt6.1\20220622.B\NT622062222.D

Date: 22-JUN-2022 22:54

Client ID:

Sample Info: CCV220622,

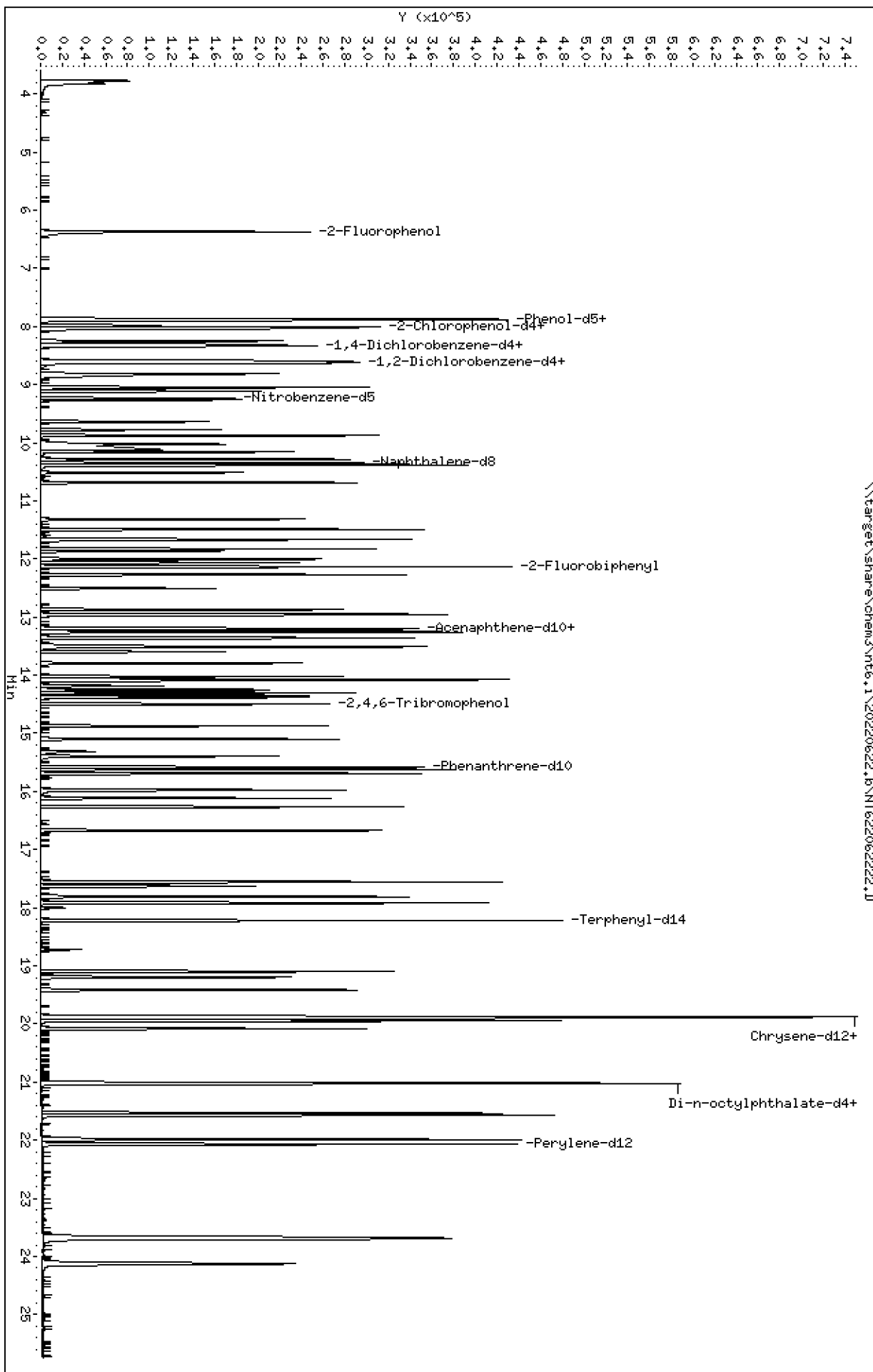
Column phase: ZB-5msi

Instrument: nt6.1

Operator: JZ

Column diameter: 0.32

Page 1



Date : 22-JUN-2022 22:54

Client ID:

Instrument: nt6.i

Sample Info: CCV220622,

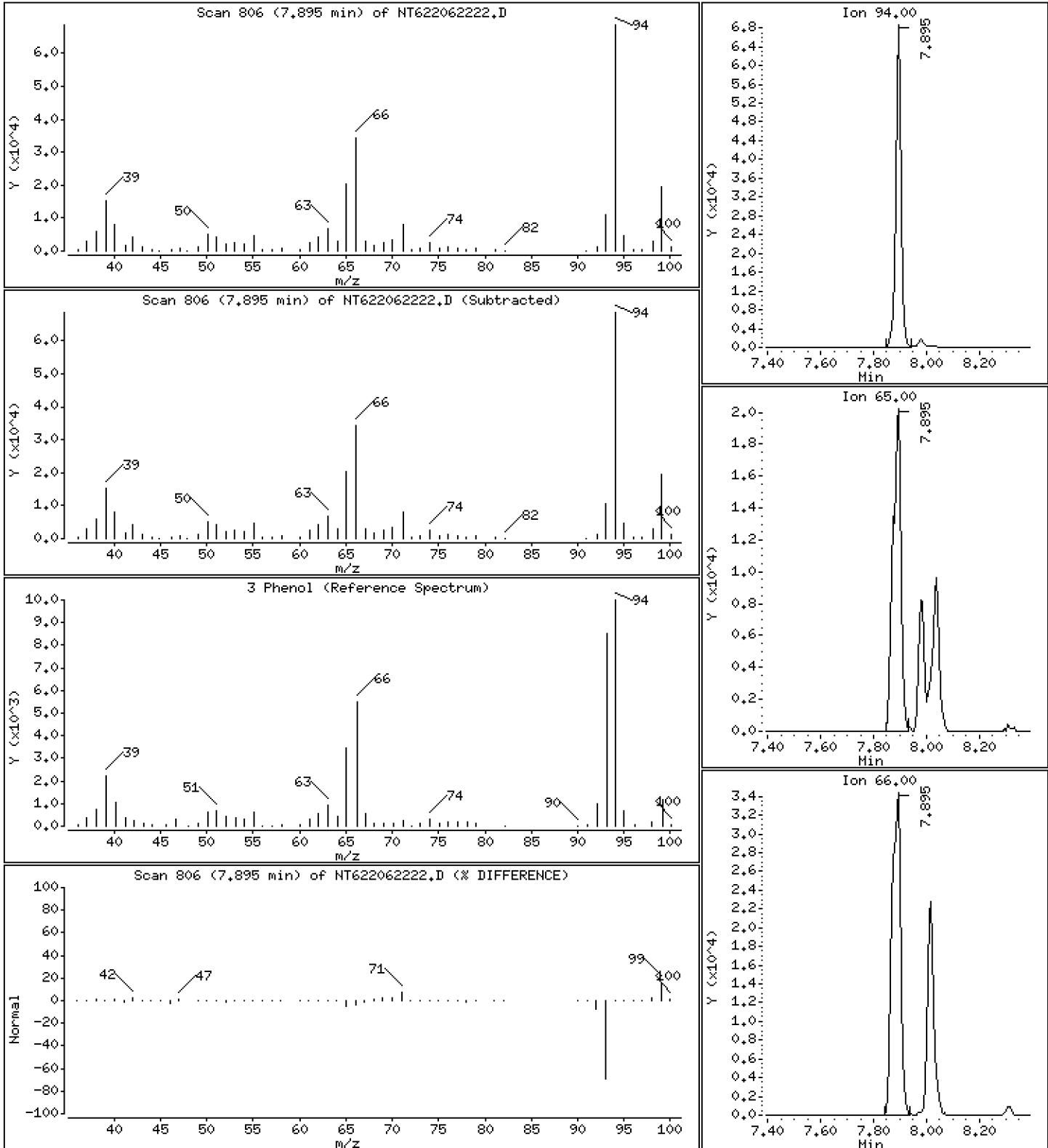
Operator: JZ

Column phase: ZB-5msi

Column diameter: 0.32

3 Phenol

Concentration: 23.37 ug/mL



Date : 22-JUN-2022 22:54

Client ID:

Instrument: nt6.i

Sample Info: CCV220622,

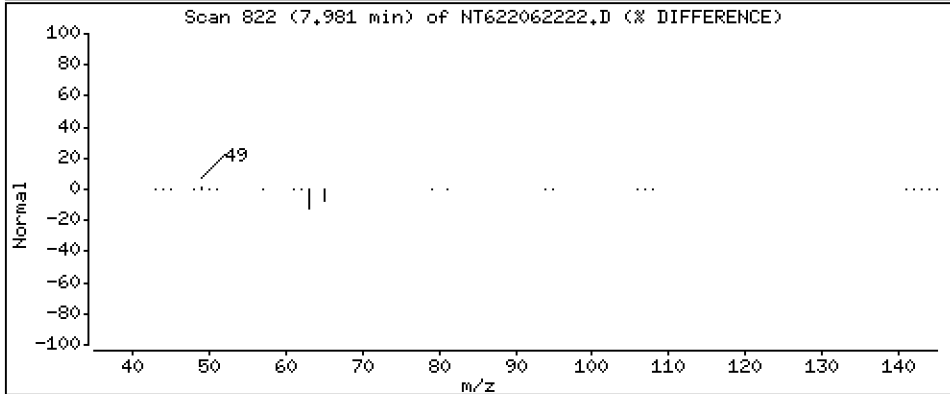
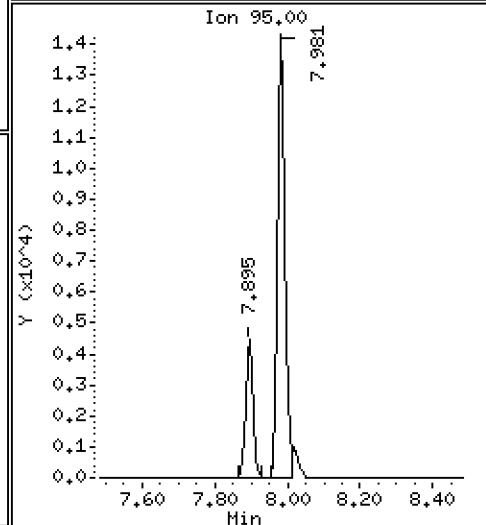
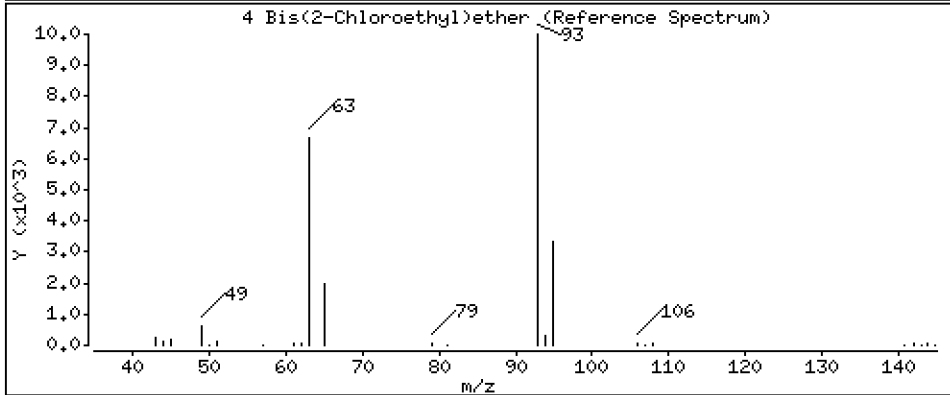
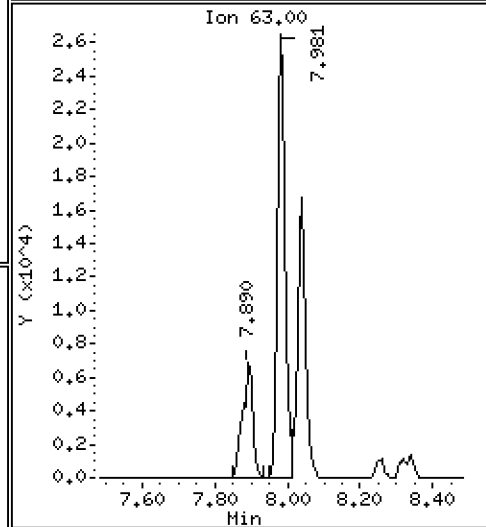
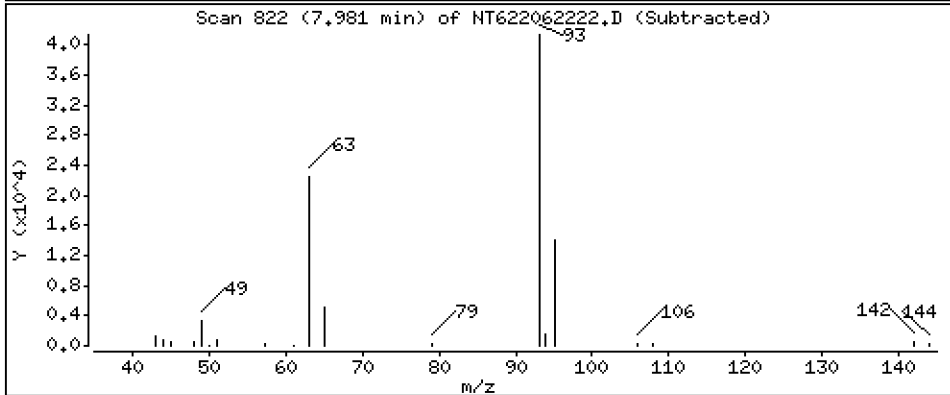
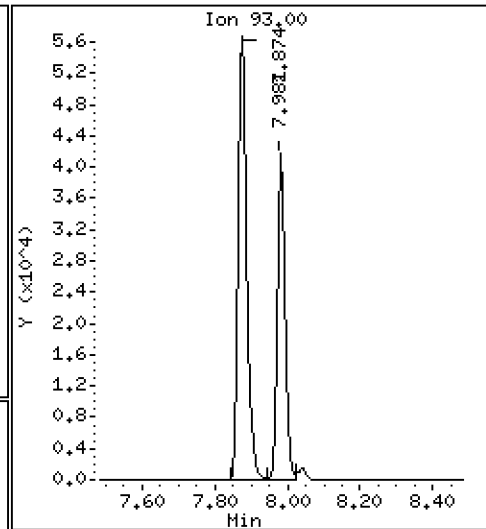
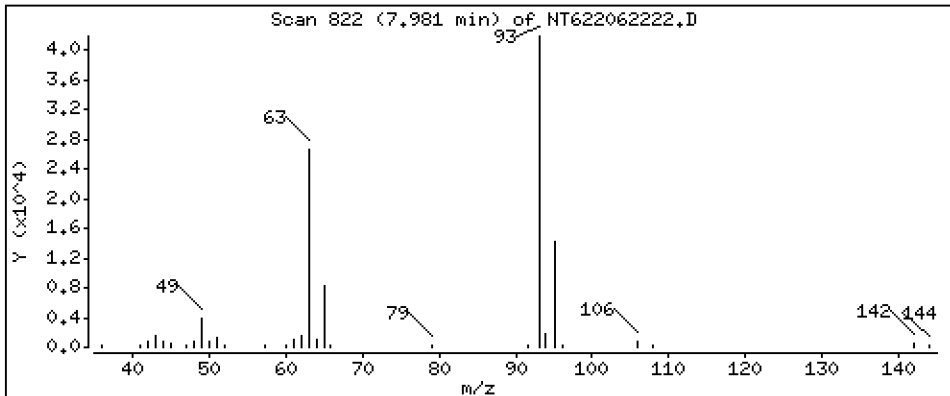
Operator: JZ

Column phase: ZB-5msi

Column diameter: 0.32

4 Bis(2-Chloroethyl)ether

Concentration: 25,15 ug/mL



Date : 22-JUN-2022 22:54

Client ID:

Instrument: nt6.i

Sample Info: CCV220622,

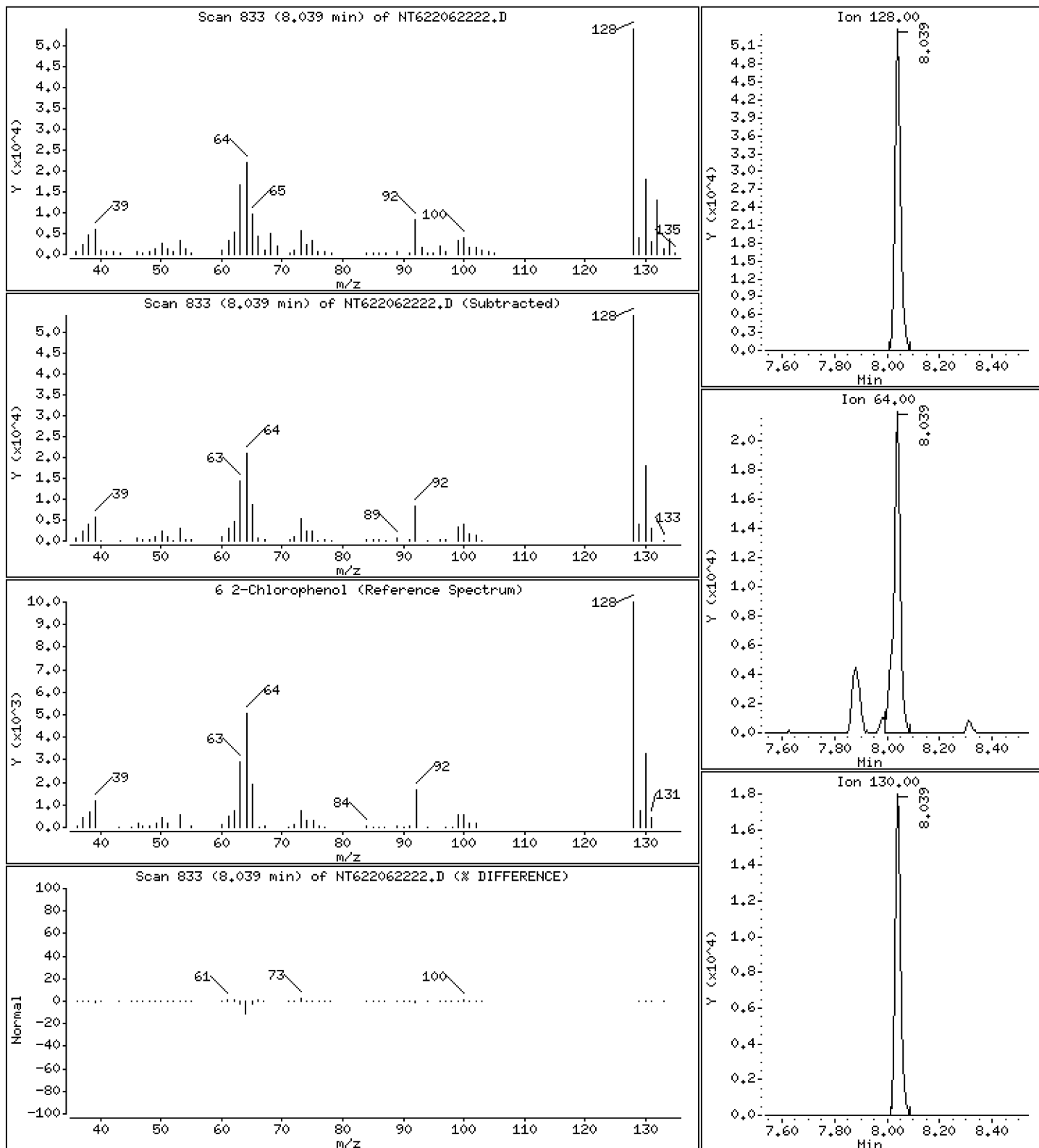
Operator: JZ

Column phase: ZB-5msi

Column diameter: 0.32

6 2-Chlorophenol

Concentration: 24,11 ug/mL



Date : 22-JUN-2022 22:54

Client ID:

Instrument: nt6.i

Sample Info: CCV220622,

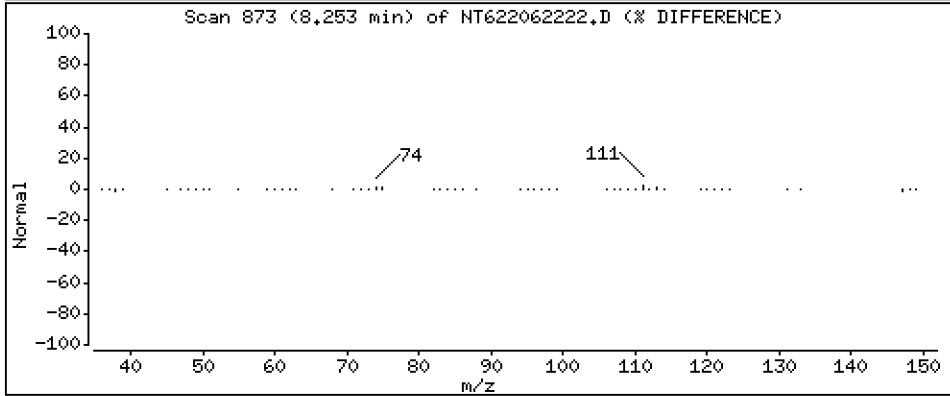
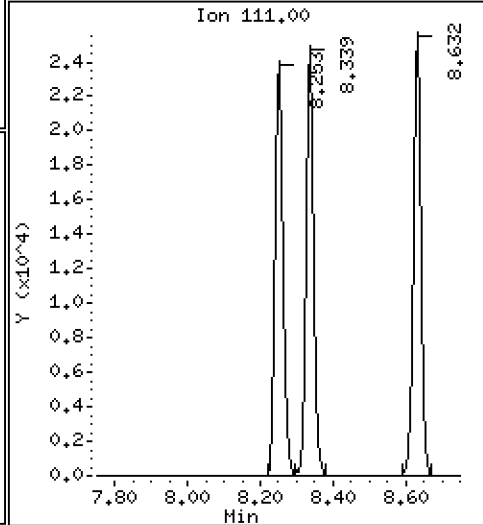
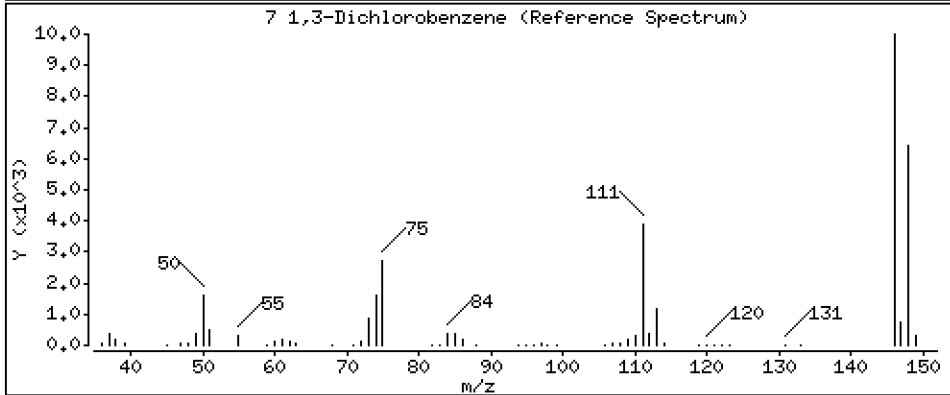
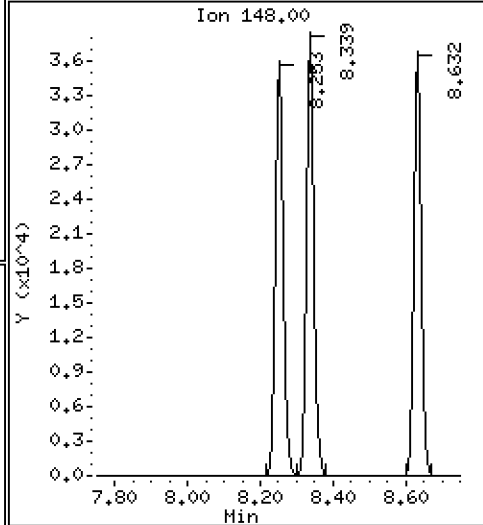
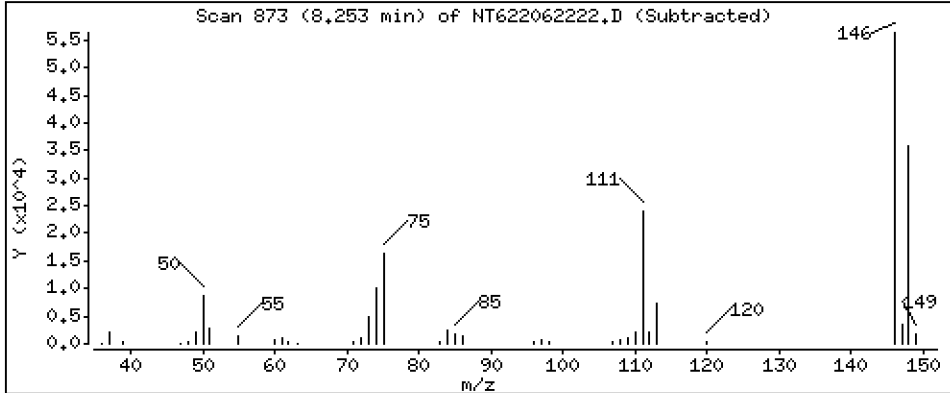
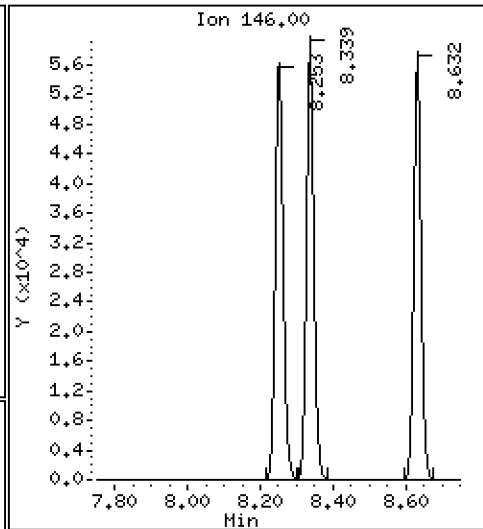
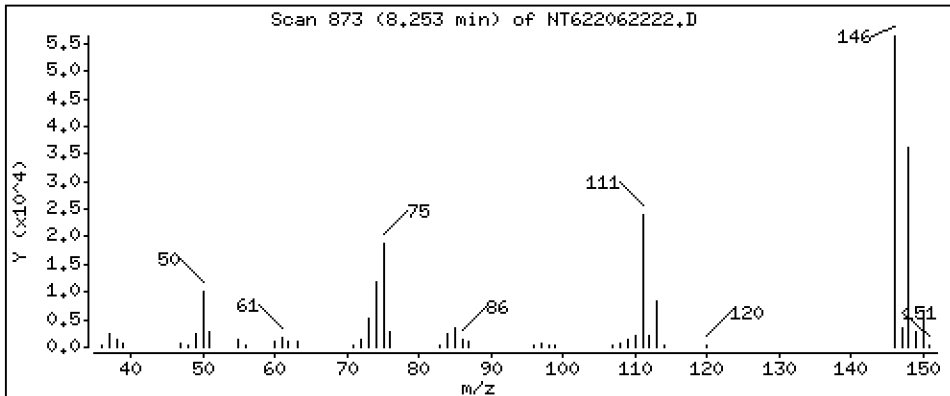
Operator: JZ

Column phase: ZB-5msi

Column diameter: 0,32

7 1,3-Dichlorobenzene

Concentration: 25,28 ug/mL



Date : 22-JUN-2022 22:54

Client ID:

Instrument: nt6.i

Sample Info: CCV220622,

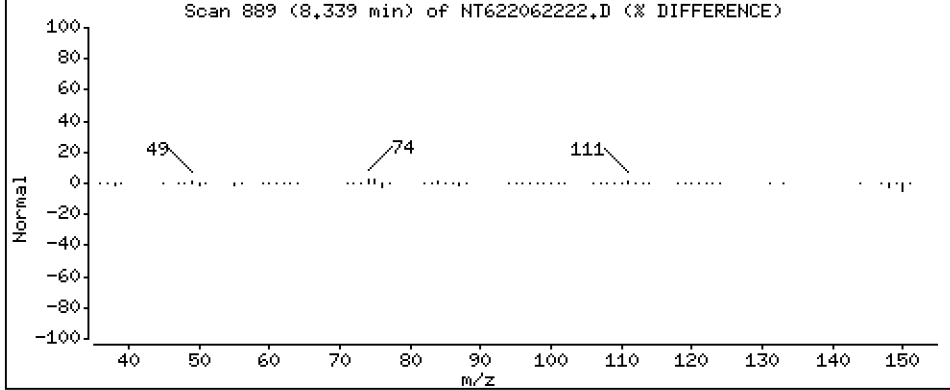
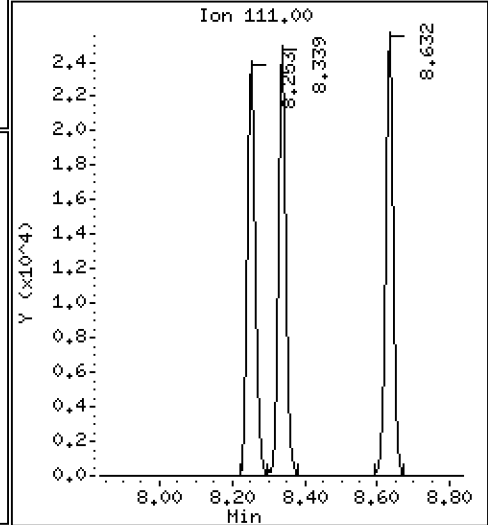
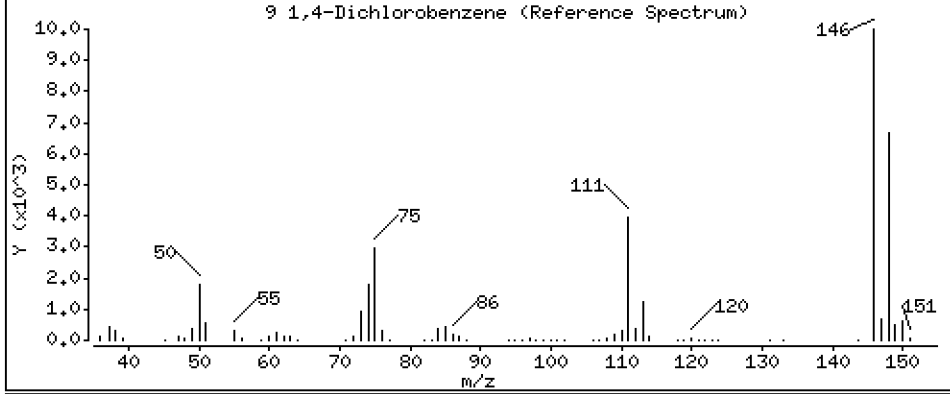
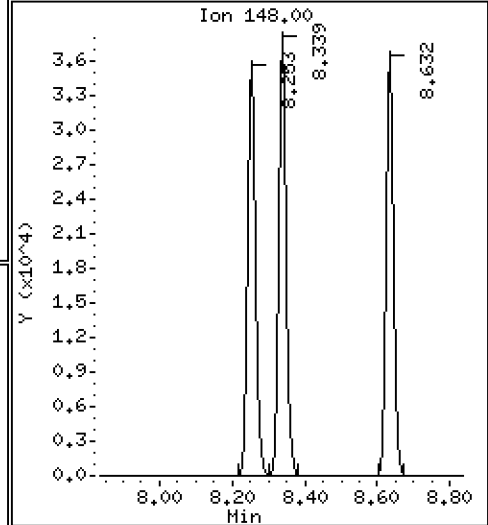
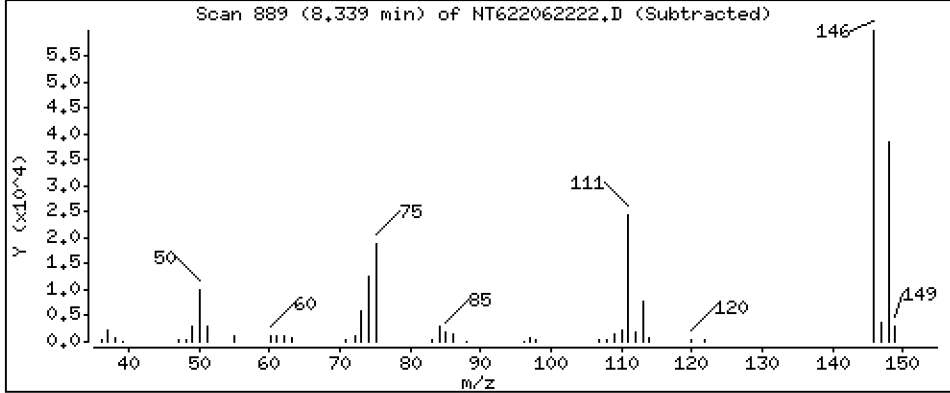
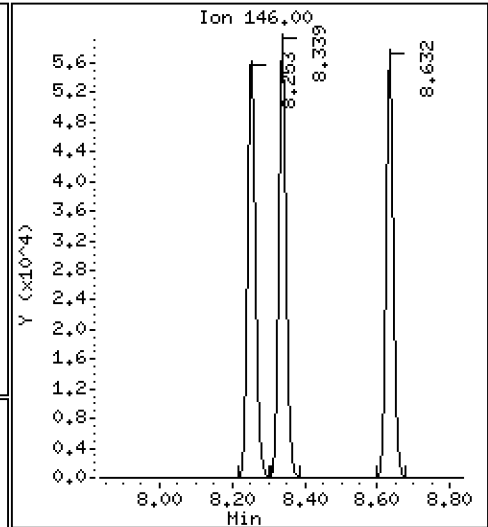
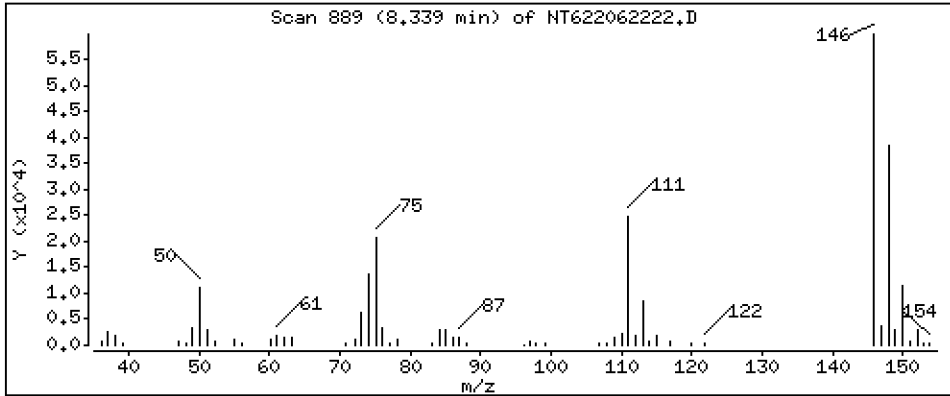
Operator: JZ

Column phase: ZB-5msi

Column diameter: 0.32

9 1,4-Dichlorobenzene

Concentration: 25.01 ug/mL



Date : 22-JUN-2022 22:54

Client ID:

Instrument: nt6.i

Sample Info: CCV220622,

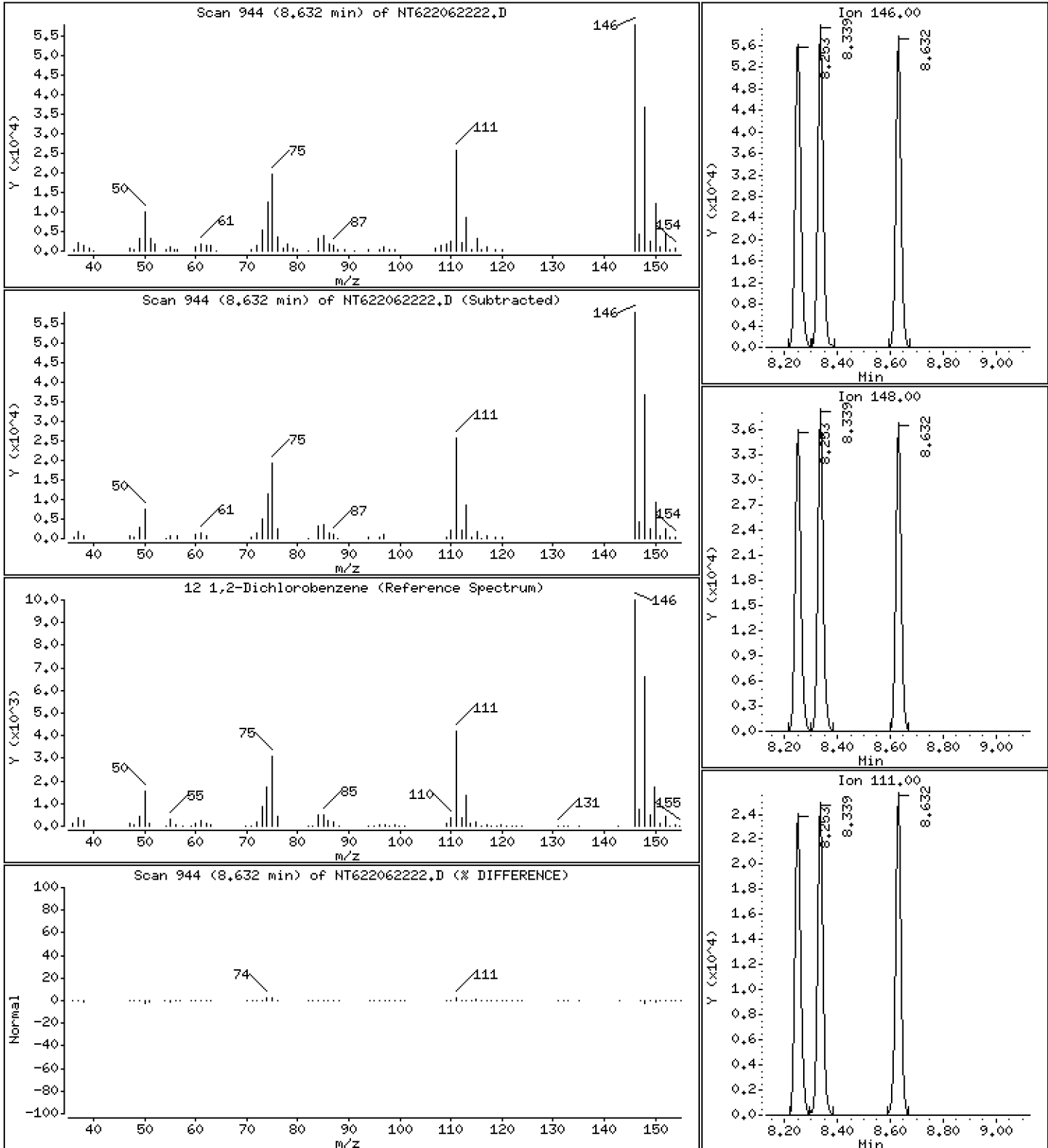
Operator: JZ

Column phase: ZB-5msi

Column diameter: 0.32

12 1,2-Dichlorobenzene

Concentration: 25.19 ug/mL



Date : 22-JUN-2022 22:54

Client ID:

Instrument: nt6.i

Sample Info: CCV220622,

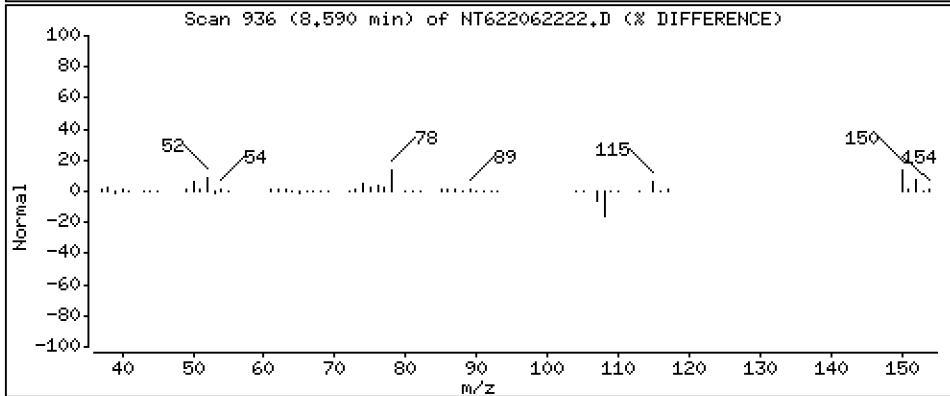
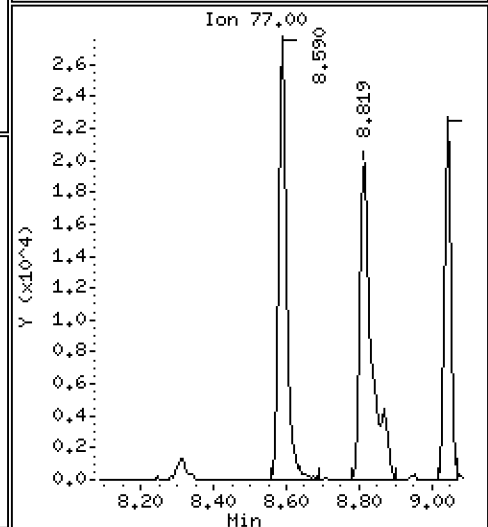
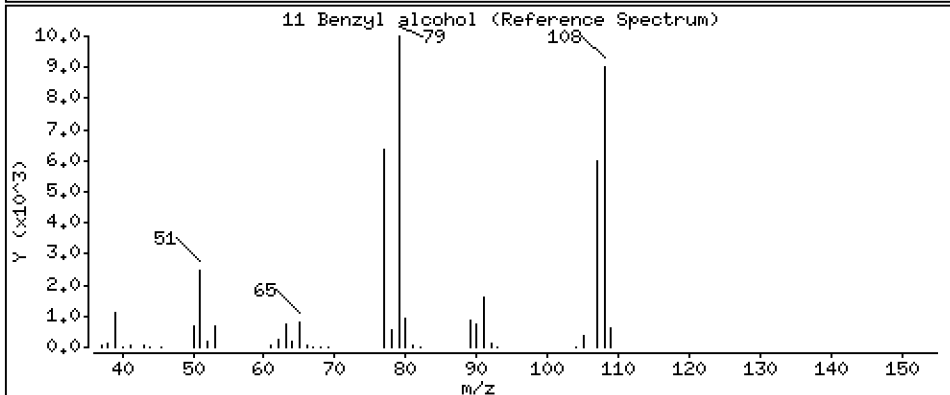
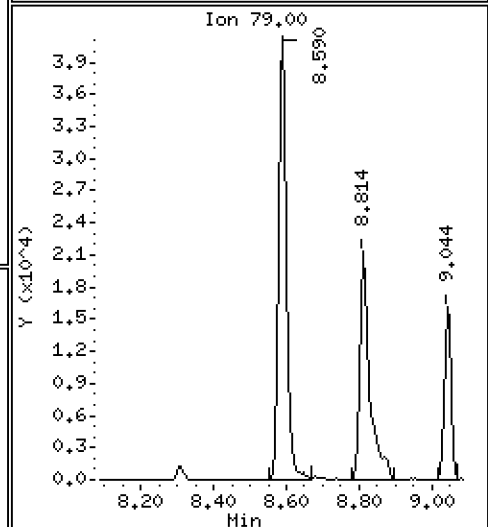
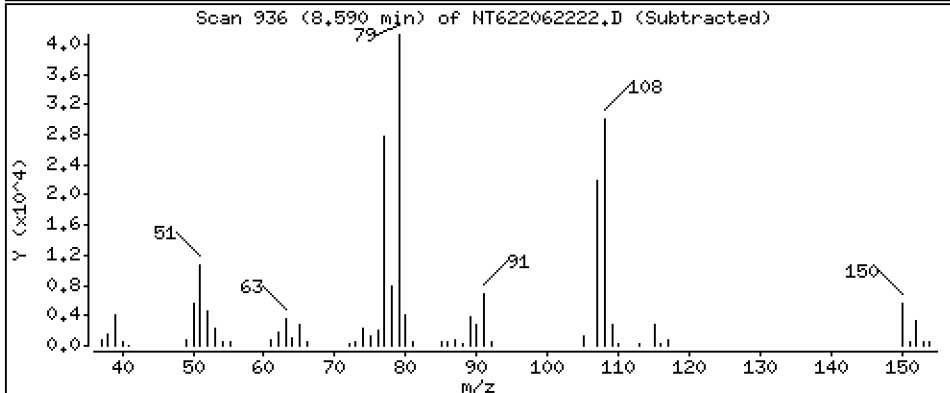
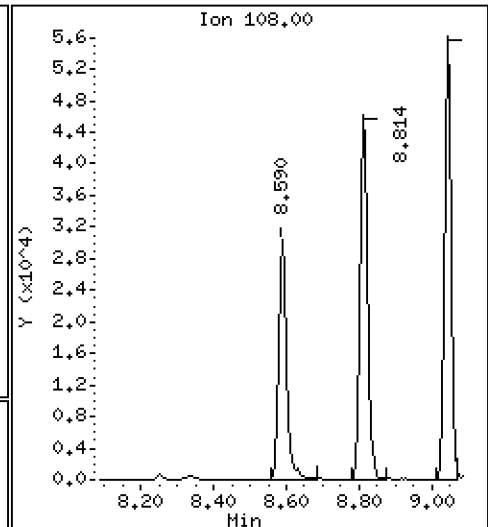
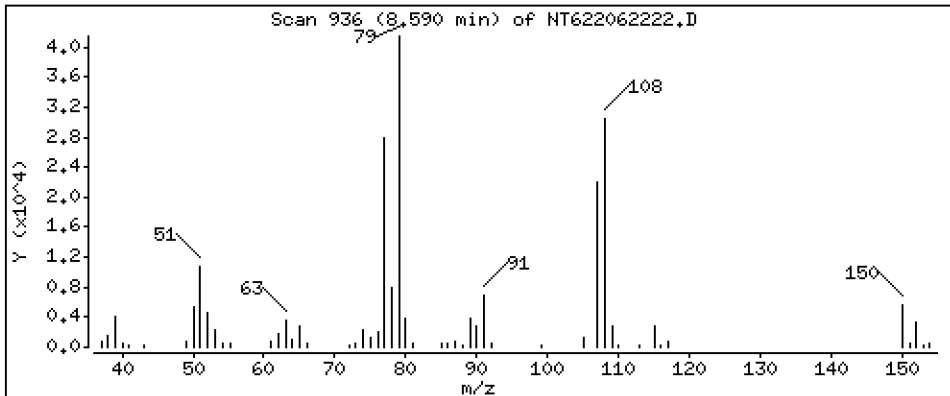
Operator: JZ

Column phase: ZB-5msi

Column diameter: 0.32

11 Benzyl alcohol

Concentration: 24.86 ug/mL



Date : 22-JUN-2022 22:54

Client ID:

Instrument: nt6.i

Sample Info: CCV220622,

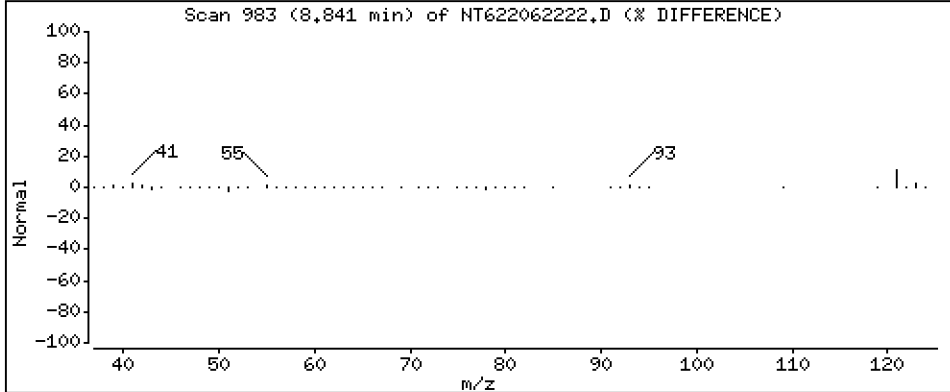
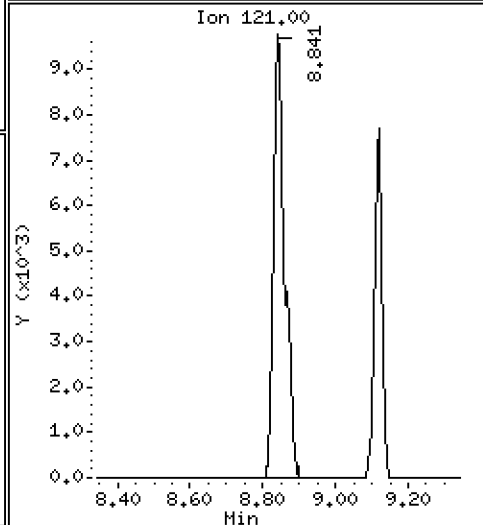
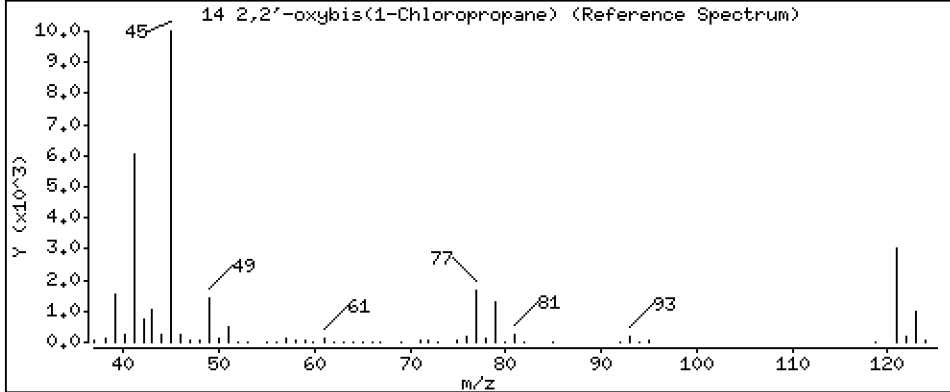
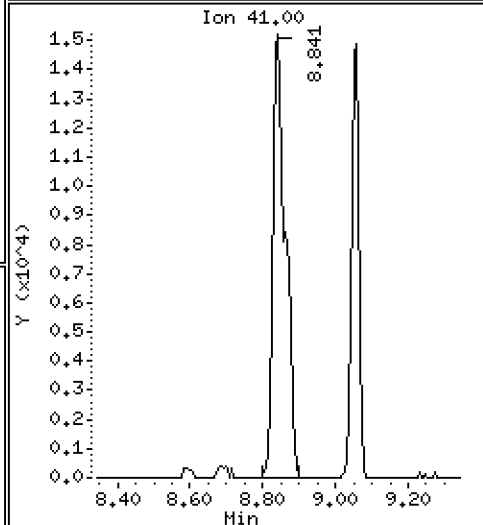
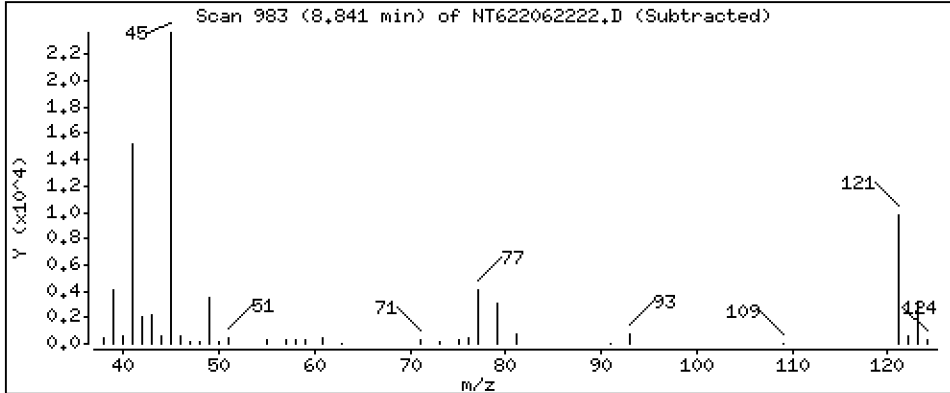
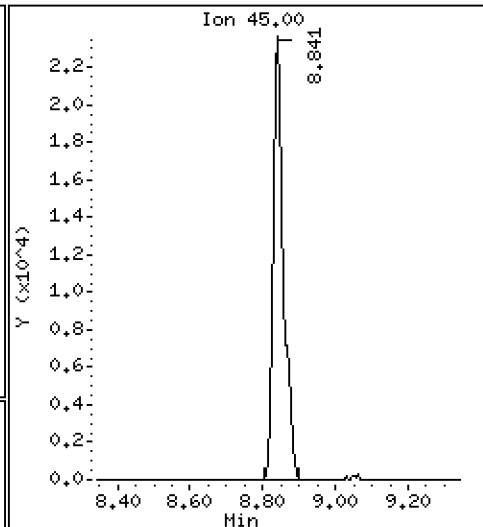
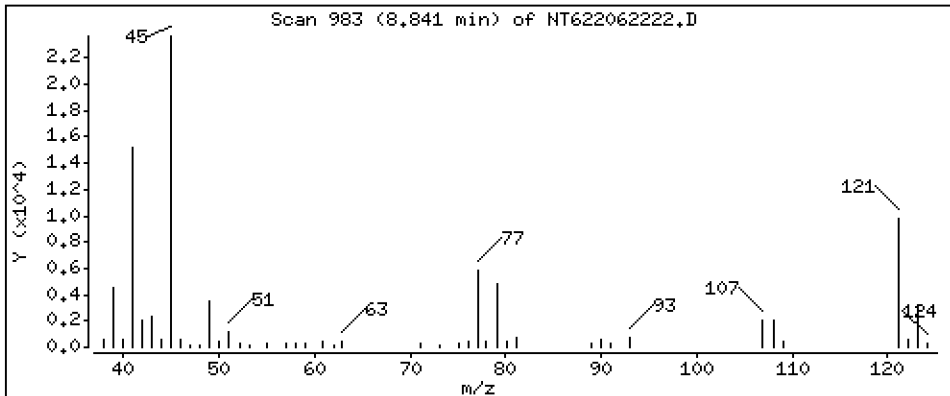
Operator: JZ

Column phase: ZB-5msi

Column diameter: 0.32

14 2,2'-oxybis(1-Chloropropane)

Concentration: 24.99 ug/mL



Date : 22-JUN-2022 22:54

Client ID:

Instrument: nt6.i

Sample Info: CCV220622,

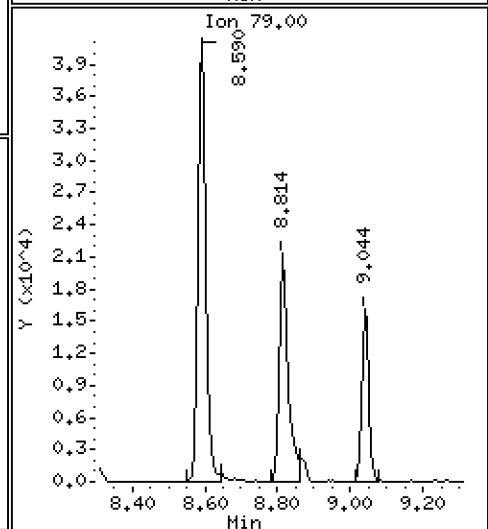
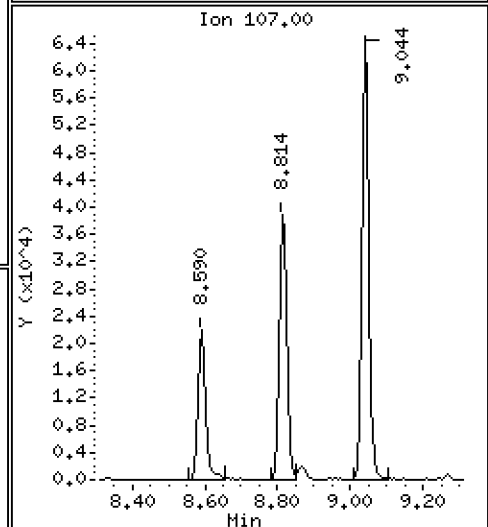
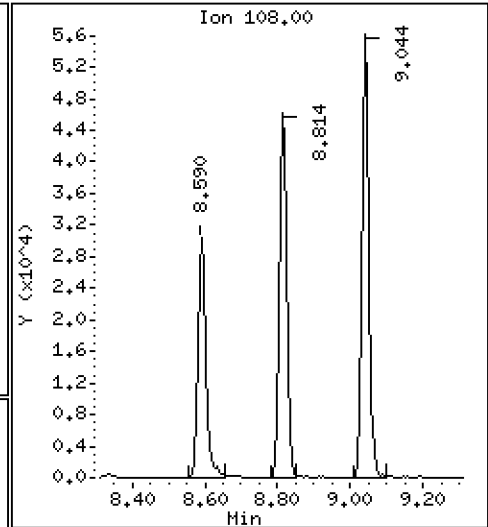
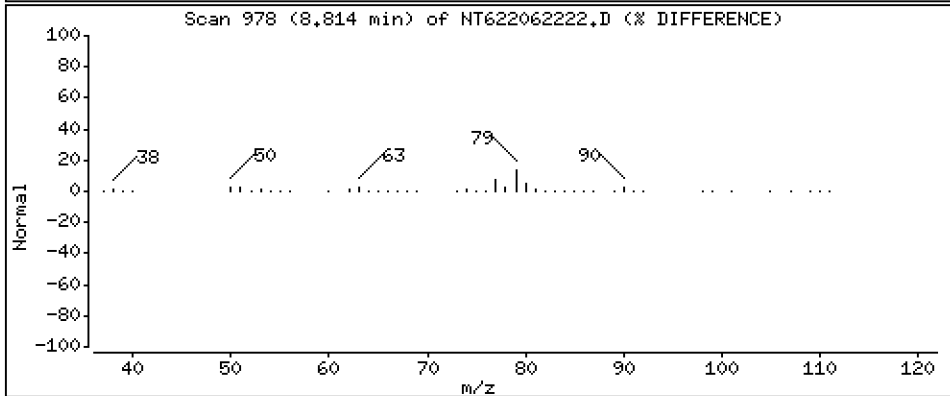
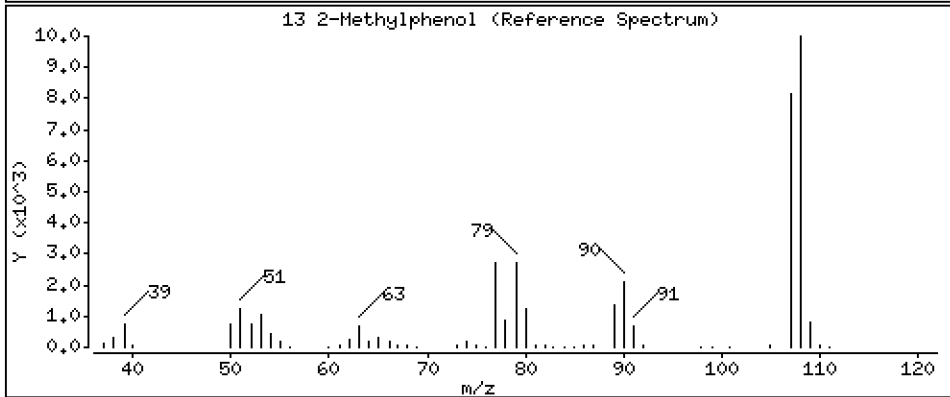
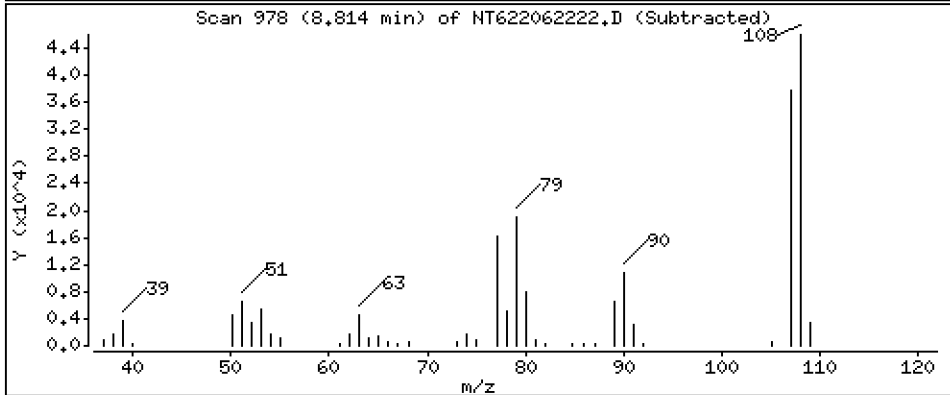
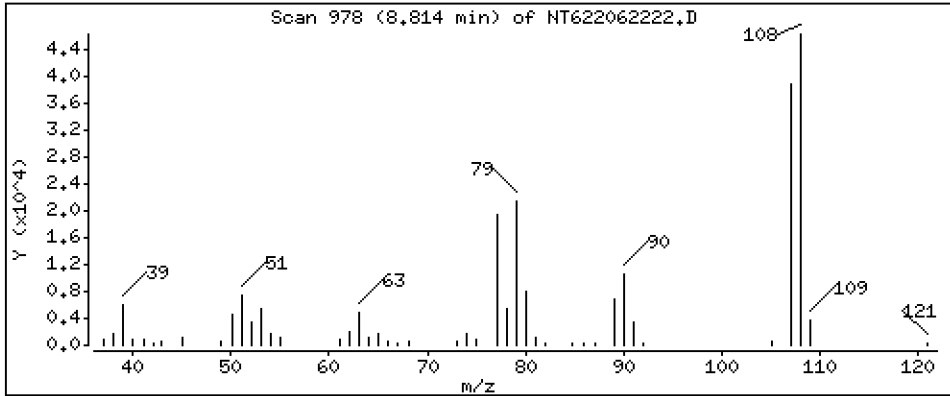
Operator: JZ

Column phase: ZB-5msi

Column diameter: 0.32

13 2-Methylphenol

Concentration: 24.12 ug/mL



Date : 22-JUN-2022 22:54

Client ID:

Instrument: nt6.i

Sample Info: CCV220622,

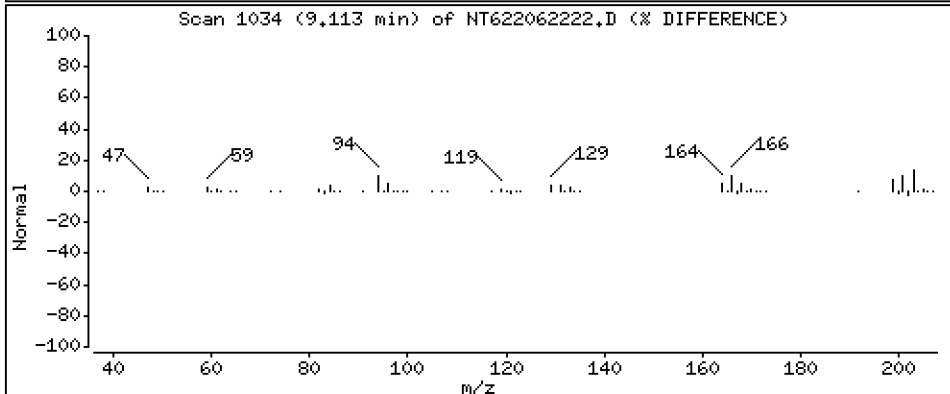
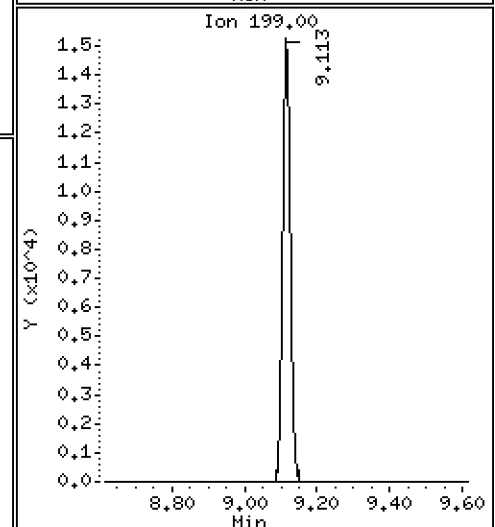
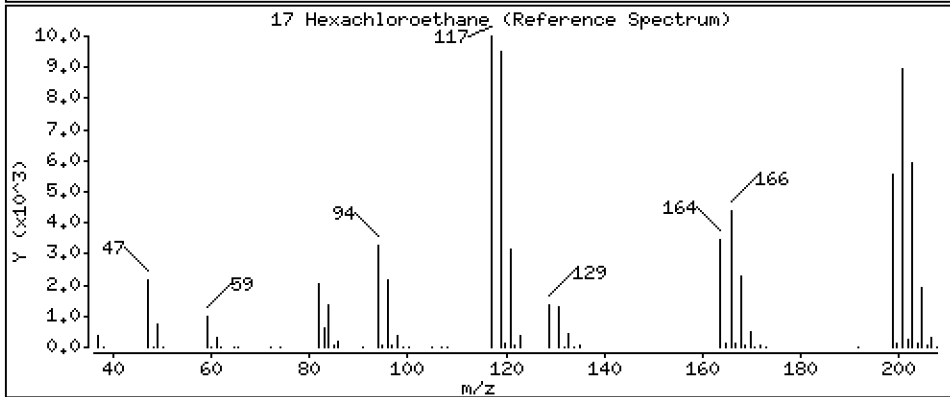
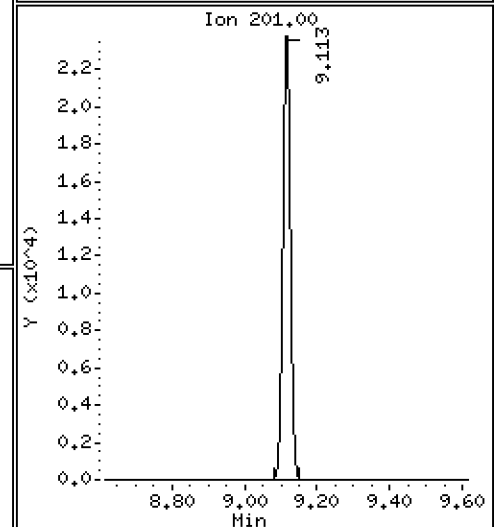
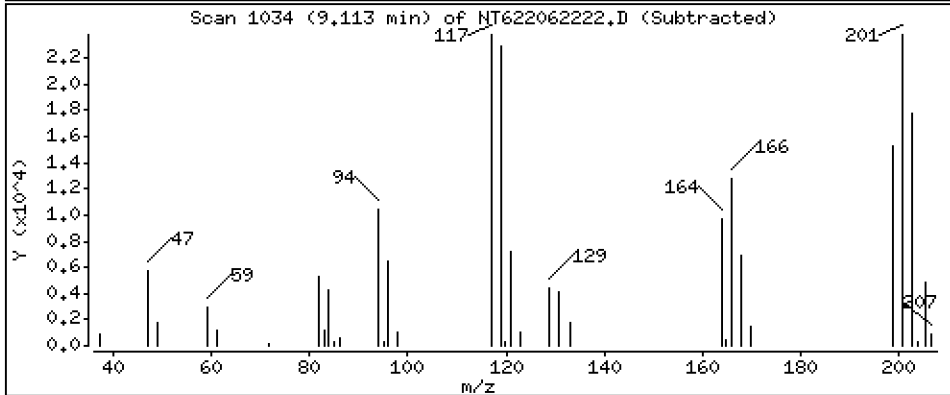
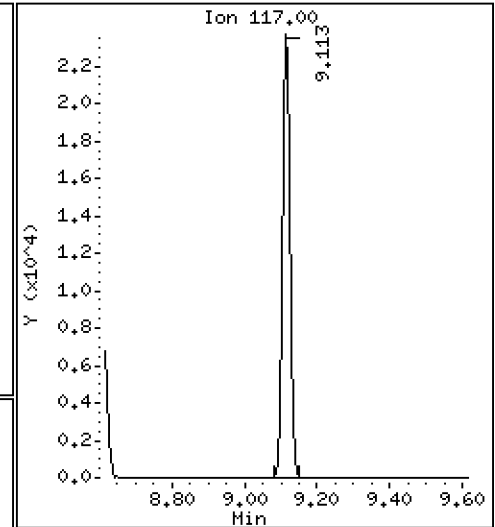
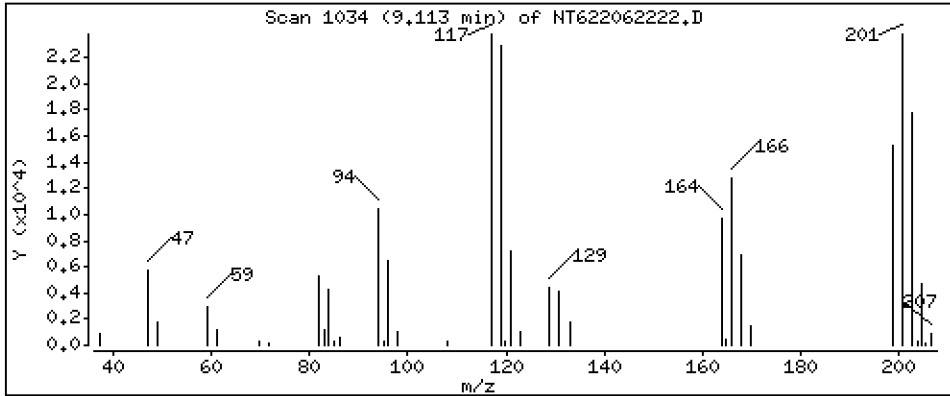
Operator: JZ

Column phase: ZB-5msi

Column diameter: 0.32

17 Hexachloroethane

Concentration: 25.41 ug/mL



Date : 22-JUN-2022 22:54

Client ID:

Instrument: nt6.i

Sample Info: CCV220622,

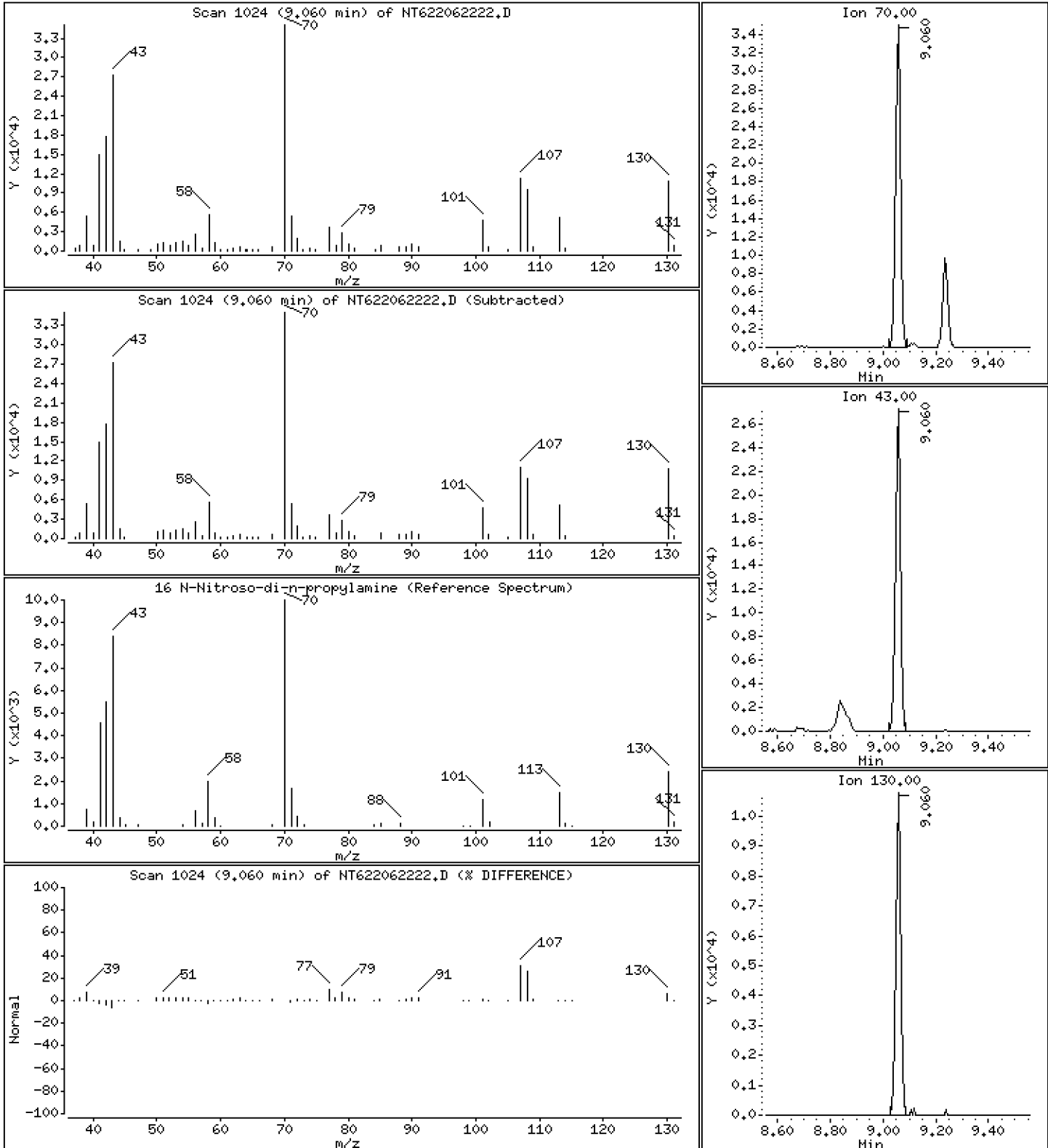
Operator: JZ

Column phase: ZB-5msi

Column diameter: 0.32

16 N-Nitroso-di-n-propylamine

Concentration: 25.47 ug/mL



Date : 22-JUN-2022 22:54

Client ID:

Instrument: nt6.i

Sample Info: CCV220622,

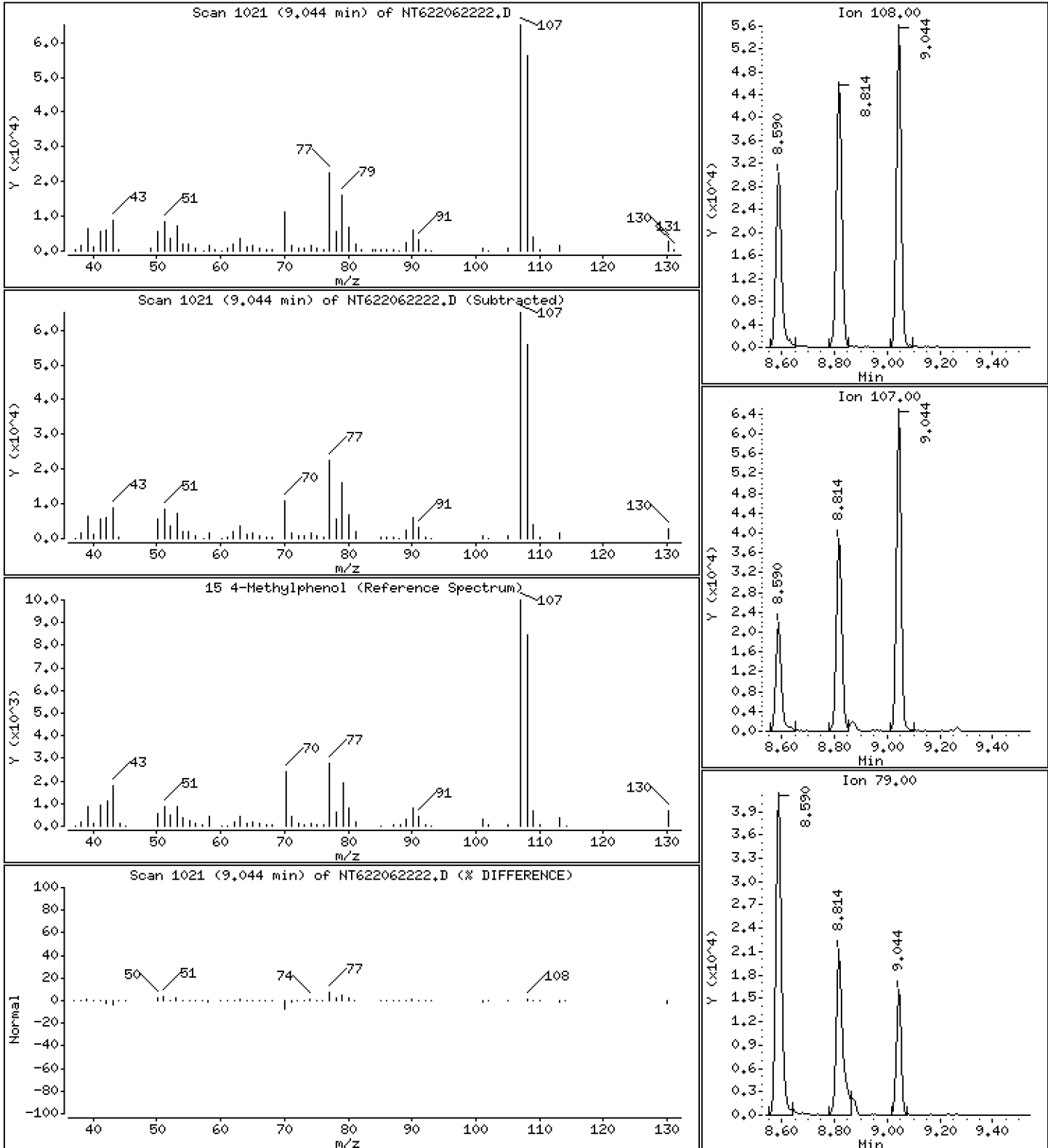
Operator: JZ

Column phase: ZB-5msi

Column diameter: 0.32

15 4-Methylphenol

Concentration: 24.13 ug/mL



Date : 22-JUN-2022 22:54

Client ID:

Instrument: nt6.i

Sample Info: CCV220622,

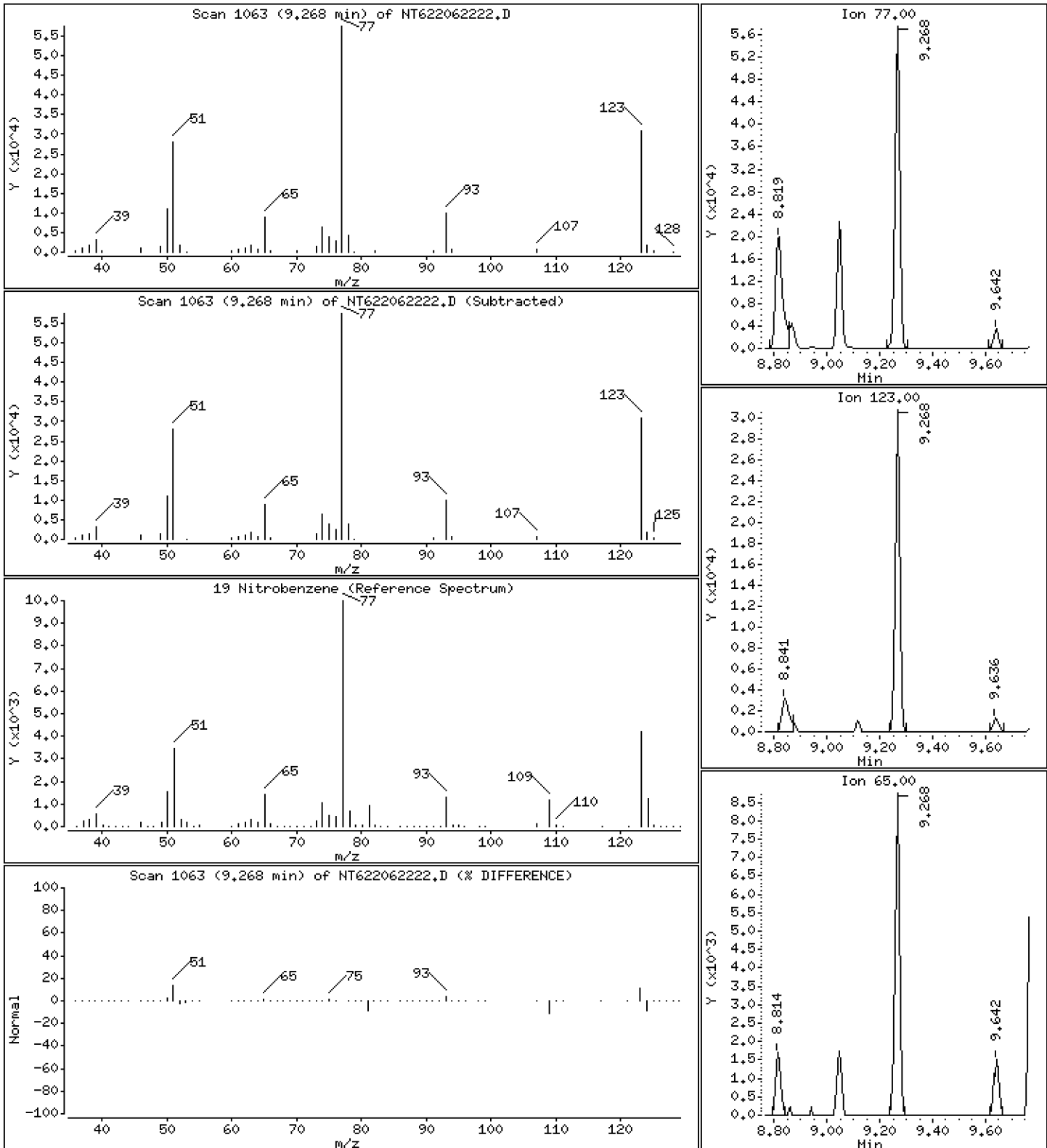
Operator: JZ

Column phase: ZB-5msi

Column diameter: 0.32

19 Nitrobenzene

Concentration: 25.86 ug/mL



Date : 22-JUN-2022 22:54

Client ID:

Instrument: nt6.i

Sample Info: CCV220622,

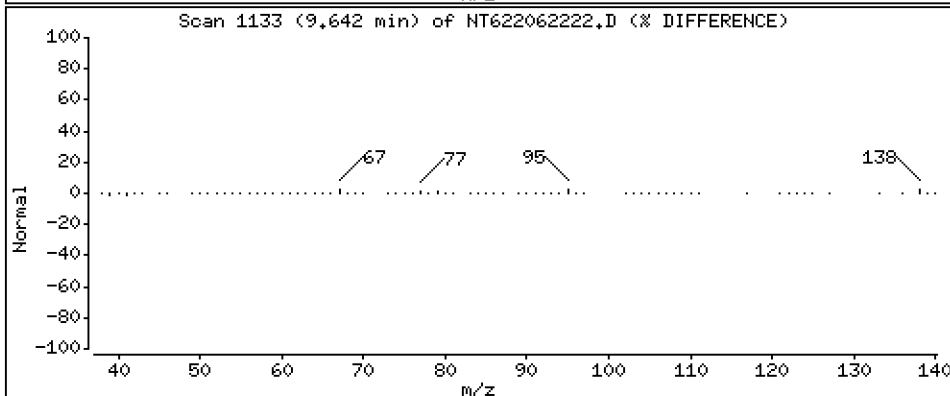
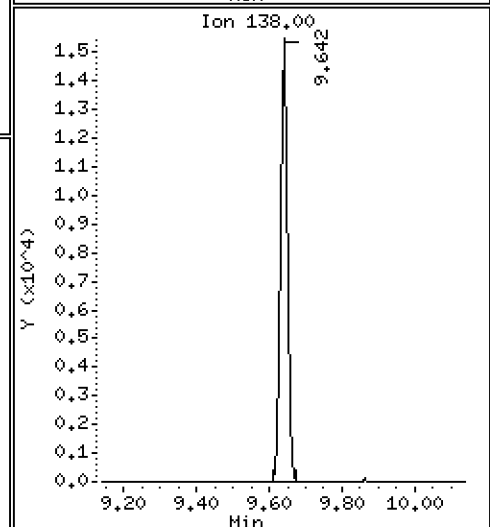
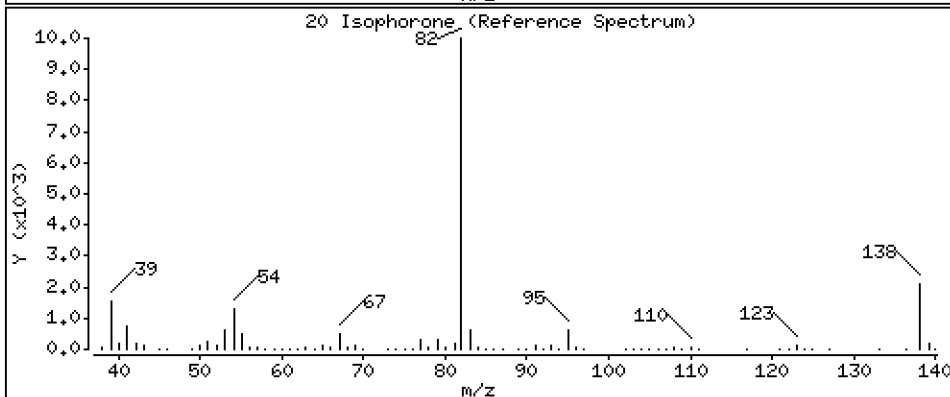
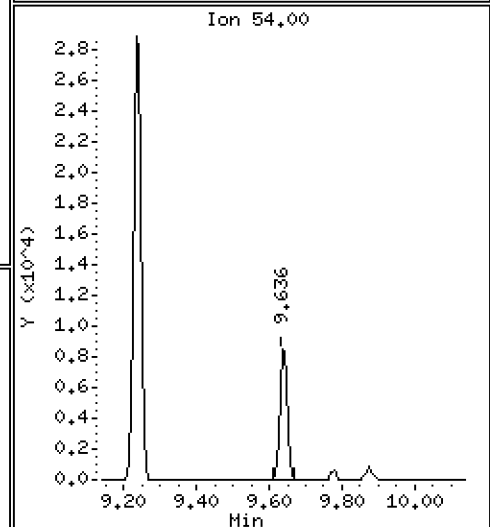
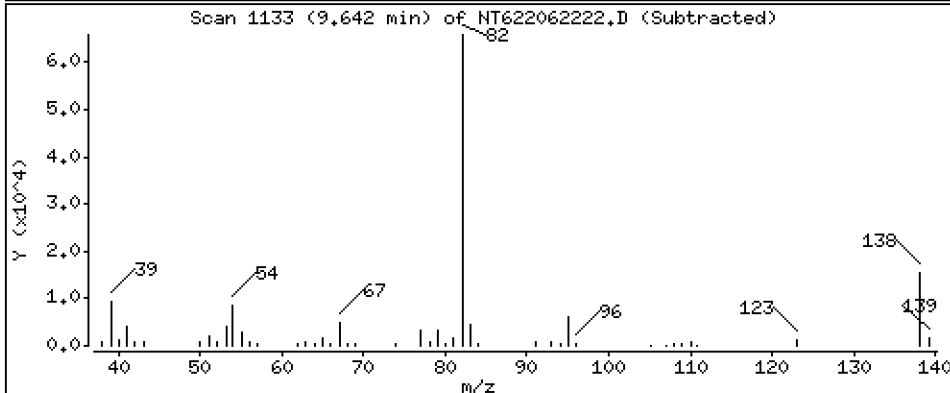
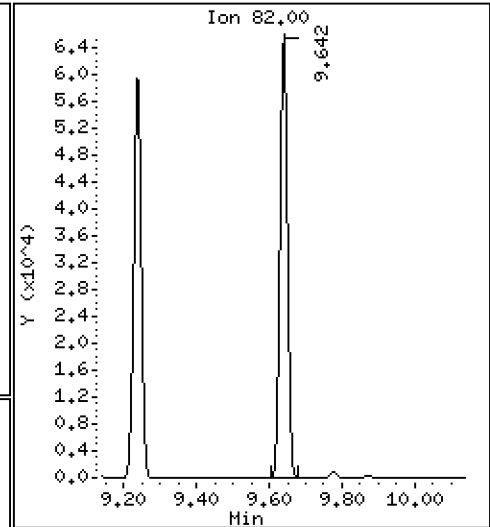
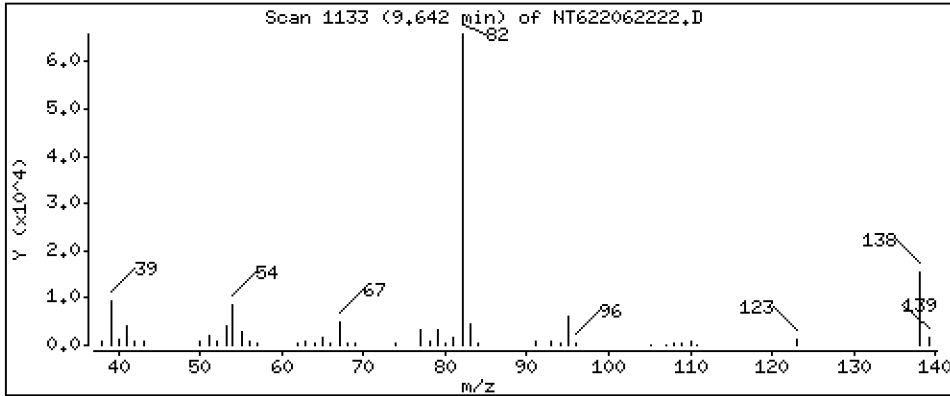
Operator: JZ

Column phase: ZB-5msi

Column diameter: 0.32

20 Isophorone

Concentration: 26.80 ug/mL



Date : 22-JUN-2022 22:54

Client ID:

Instrument: nt6.i

Sample Info: CCV220622,

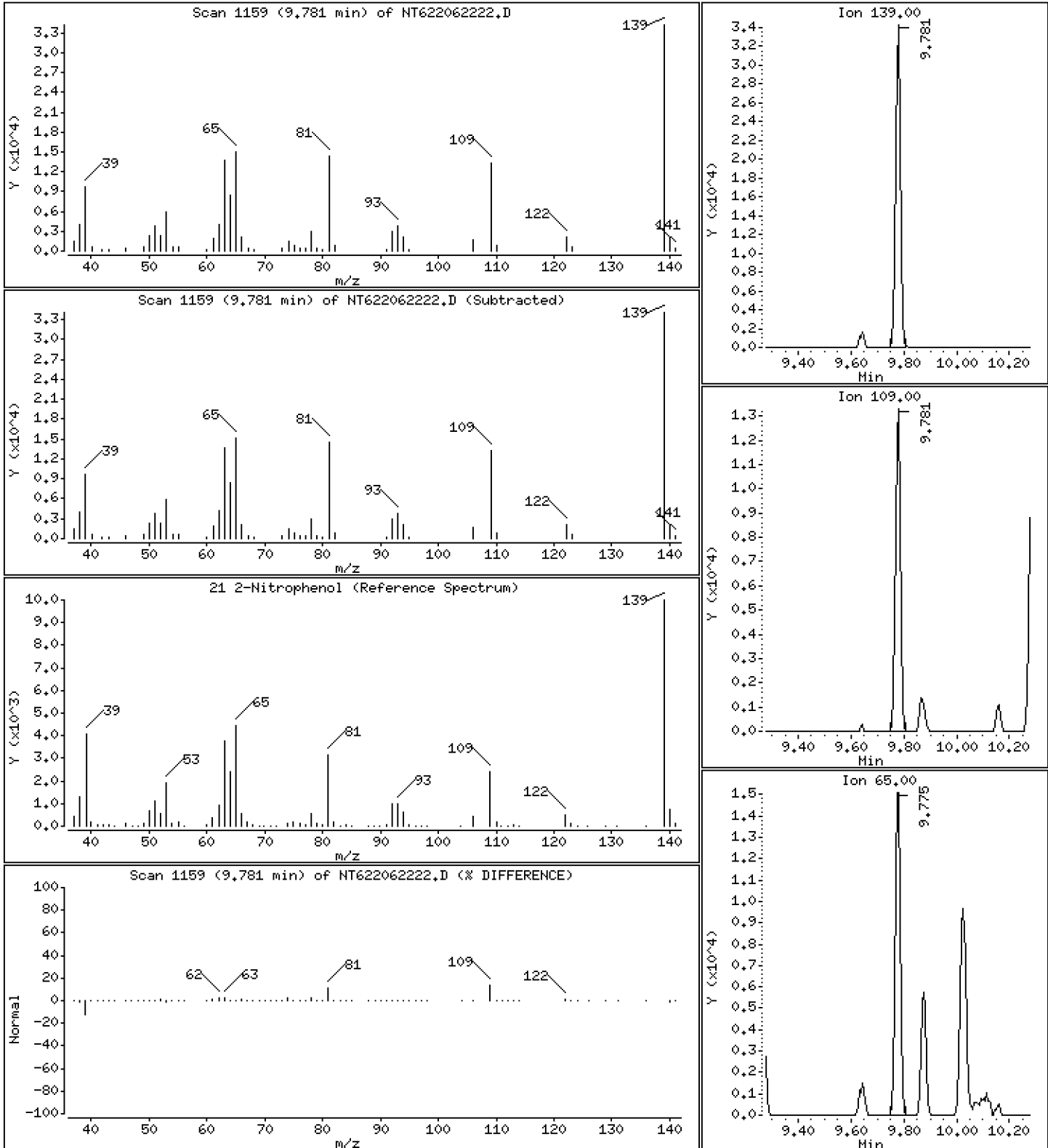
Operator: JZ

Column phase: ZB-5msi

Column diameter: 0.32

21 2-Nitrophenol

Concentration: 25.15 ug/mL



Date : 22-JUN-2022 22:54

Client ID:

Instrument: nt6.i

Sample Info: CCV220622,

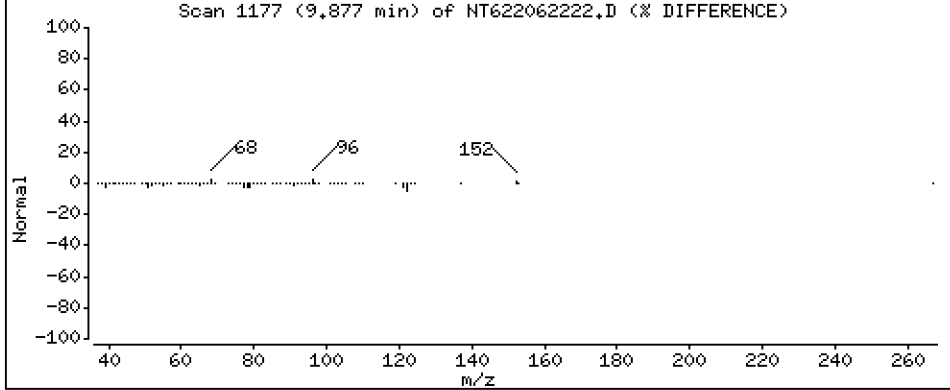
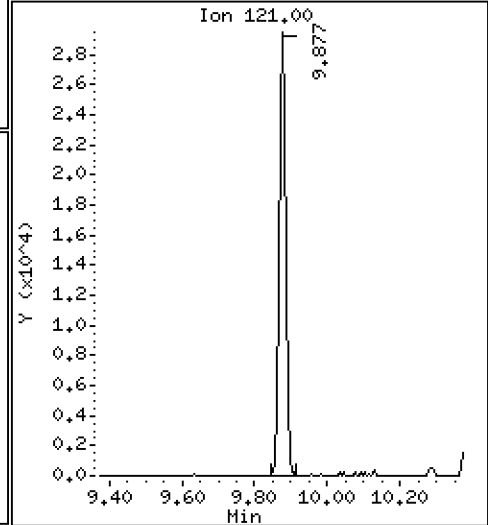
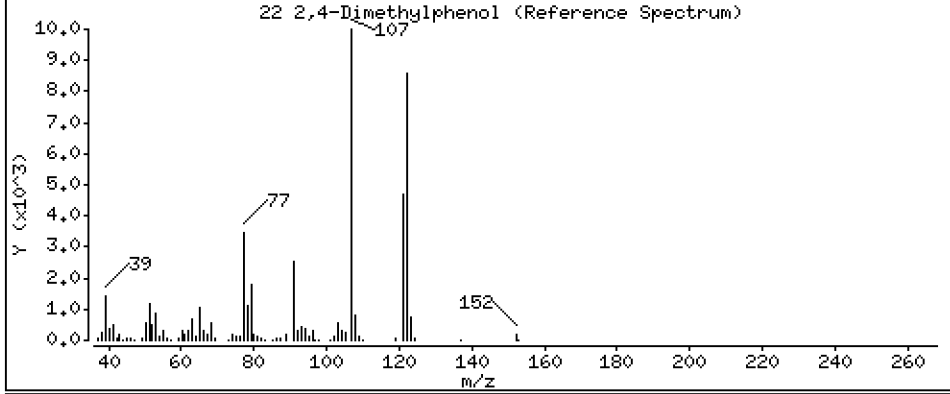
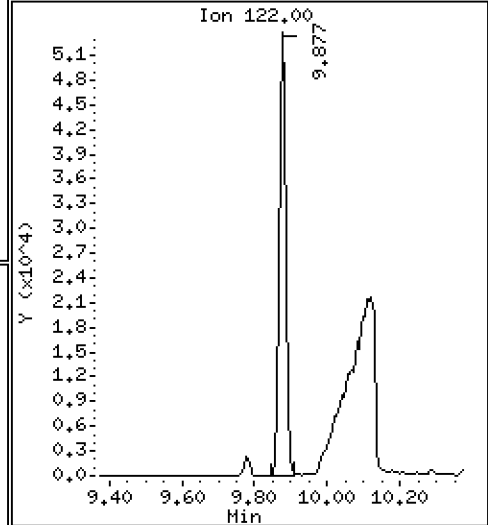
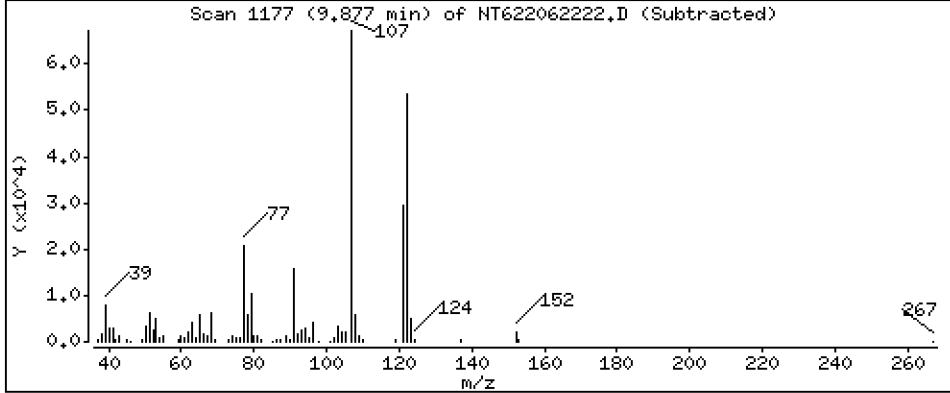
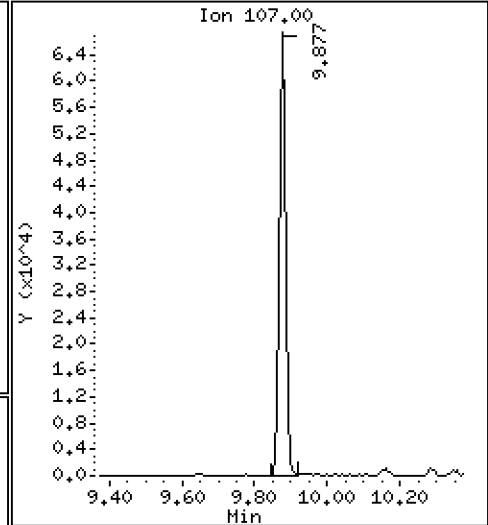
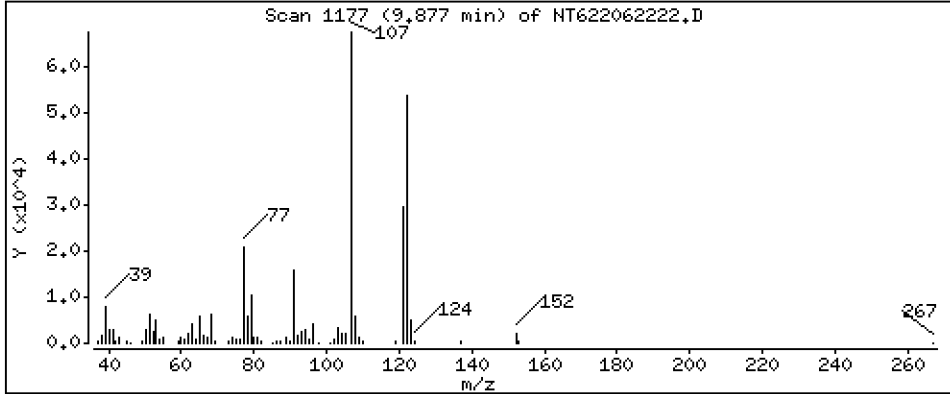
Operator: JZ

Column phase: ZB-5msi

Column diameter: 0.32

22 2,4-Dimethylphenol

Concentration: 24.97 ug/mL



Date : 22-JUN-2022 22:54

Client ID:

Instrument: nt6.i

Sample Info: CCV220622,

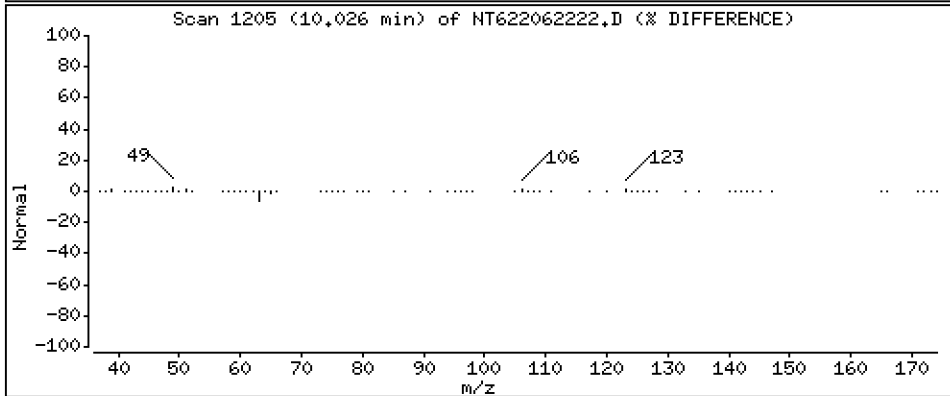
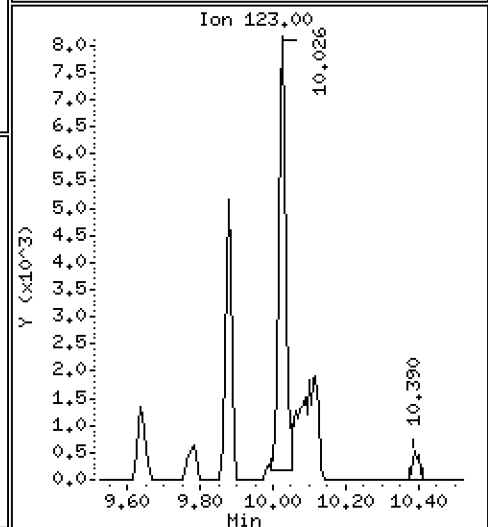
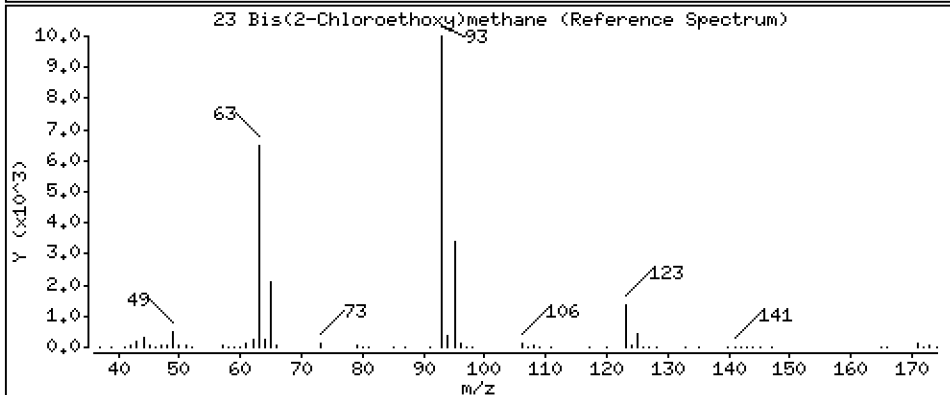
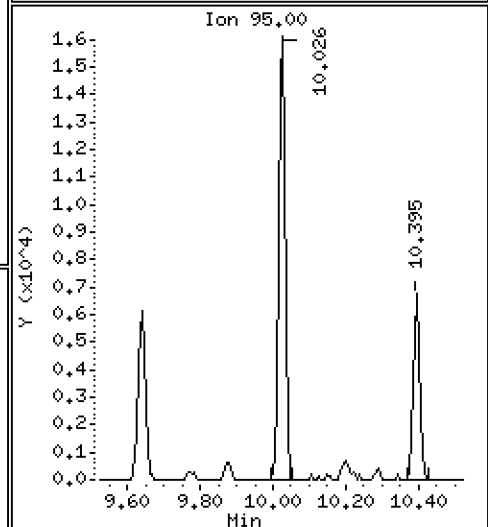
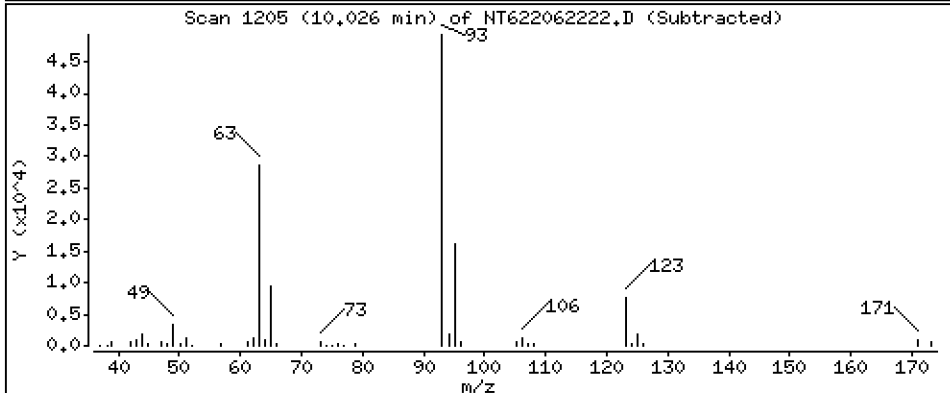
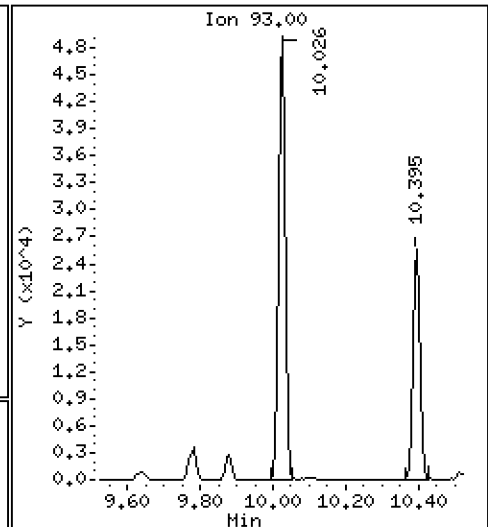
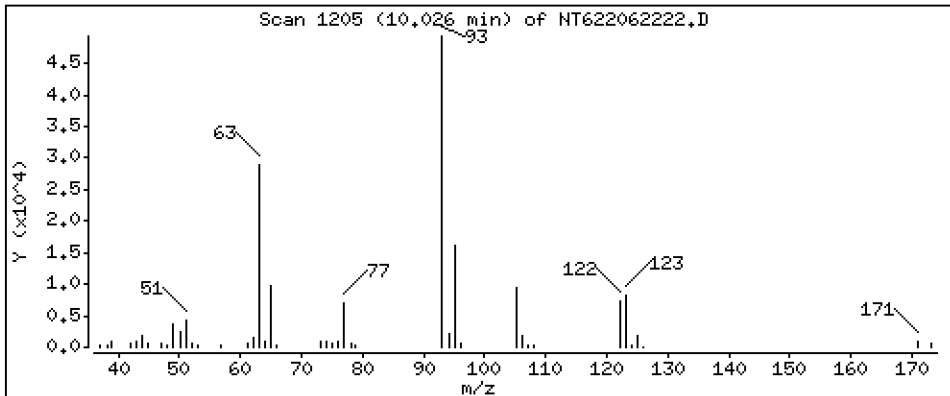
Operator: JZ

Column phase: ZB-5msi

Column diameter: 0.32

23 Bis(2-Chloroethoxy)methane

Concentration: 25.01 ug/mL



Date : 22-JUN-2022 22:54

Client ID:

Instrument: nt6.i

Sample Info: CCV220622,

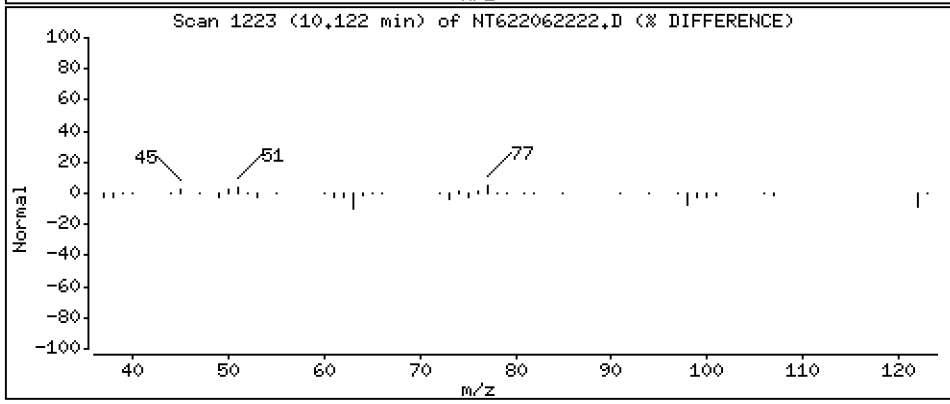
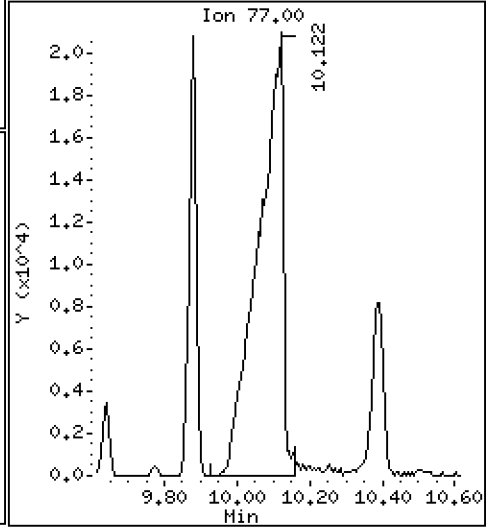
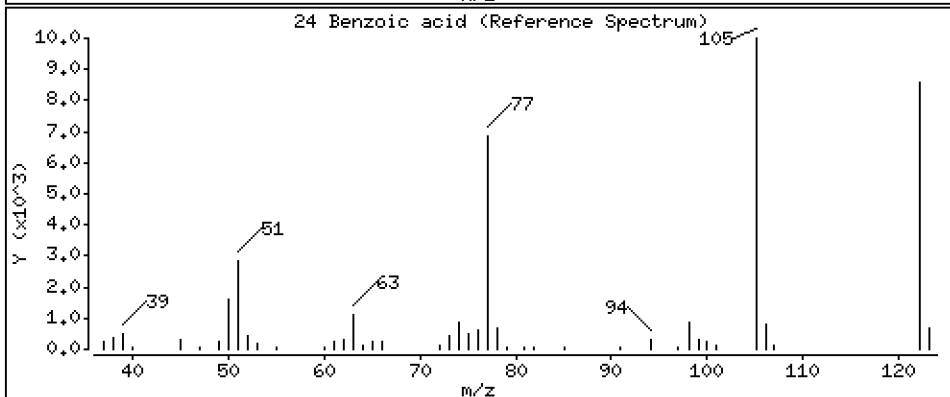
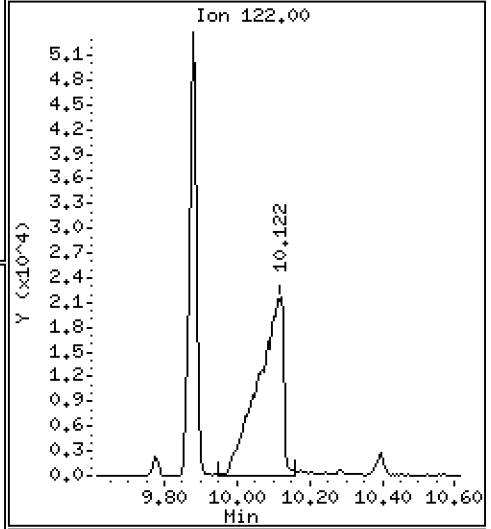
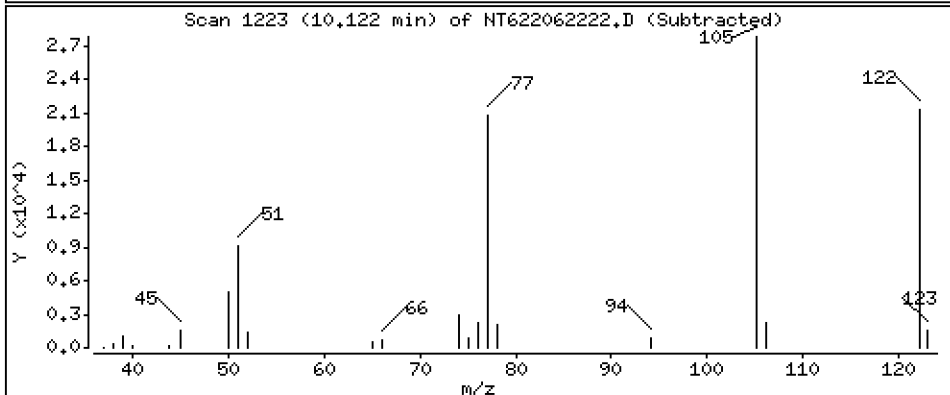
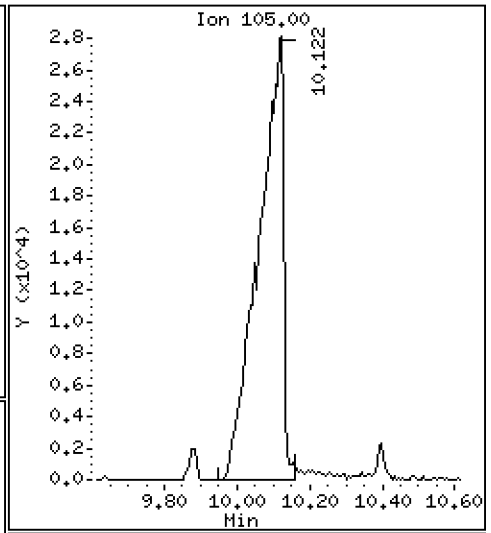
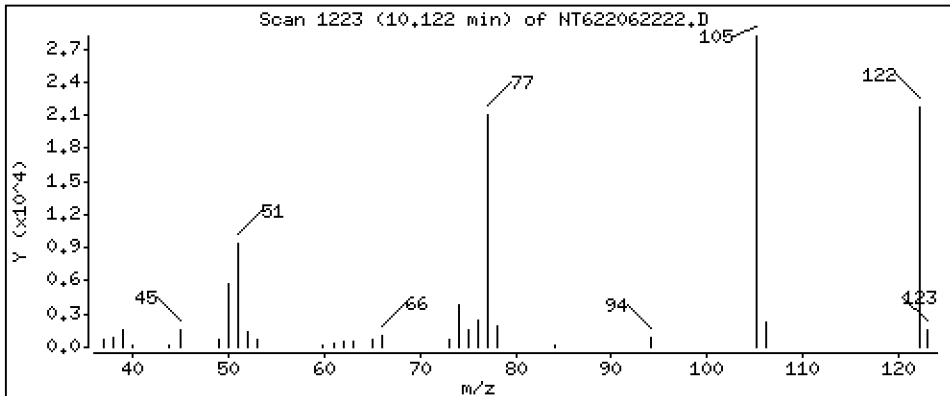
Operator: JZ

Column phase: ZB-5msi

Column diameter: 0.32

24 Benzoic acid

Concentration: 64.69 ug/mL



Date : 22-JUN-2022 22:54

Client ID:

Instrument: nt6.i

Sample Info: CCV220622,

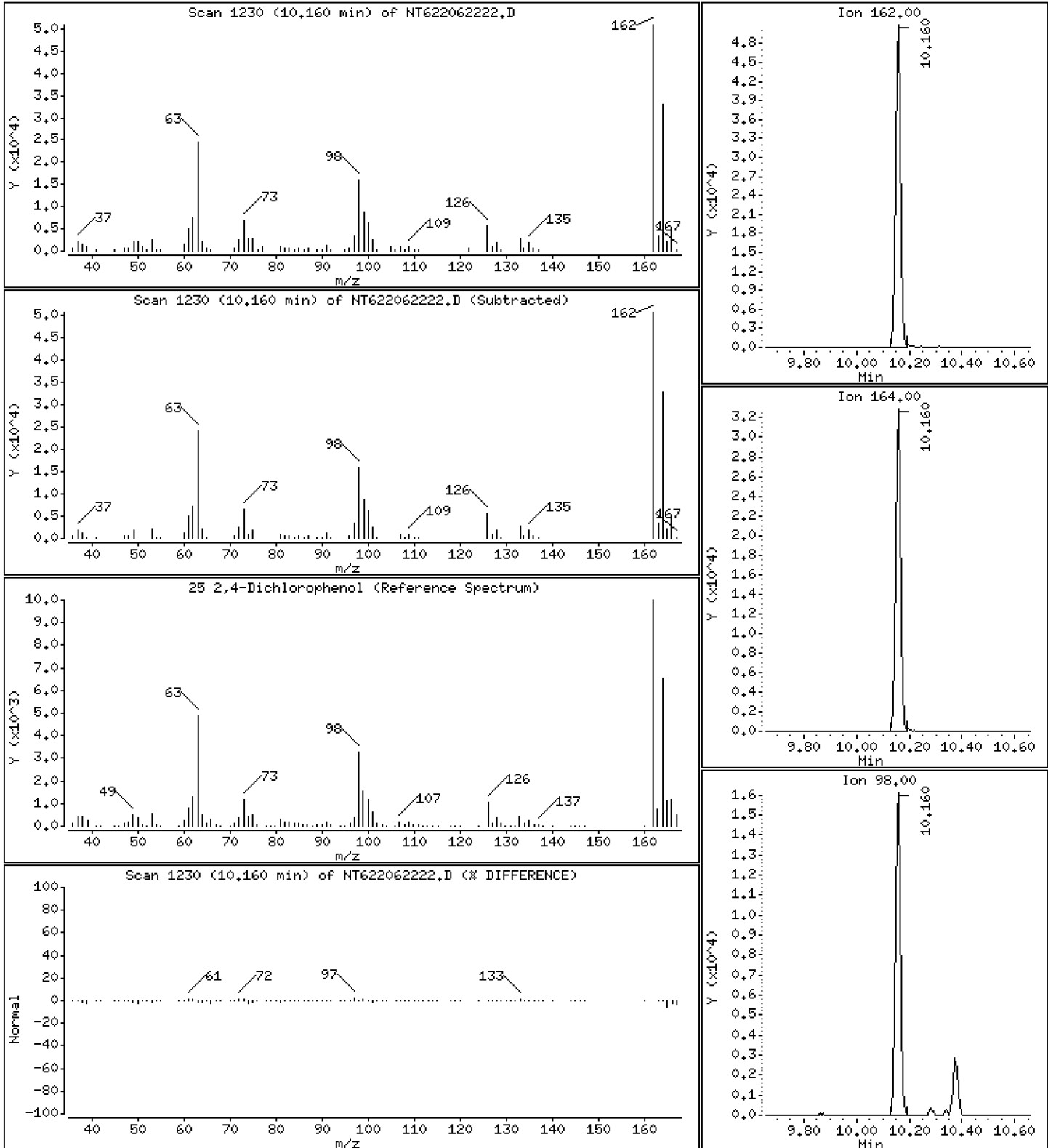
Operator: JZ

Column phase: ZB-5msi

Column diameter: 0,32

25 2,4-Dichlorophenol

Concentration: 24,51 ug/mL



Date : 22-JUN-2022 22:54

Client ID:

Instrument: nt6.i

Sample Info: CCV220622,

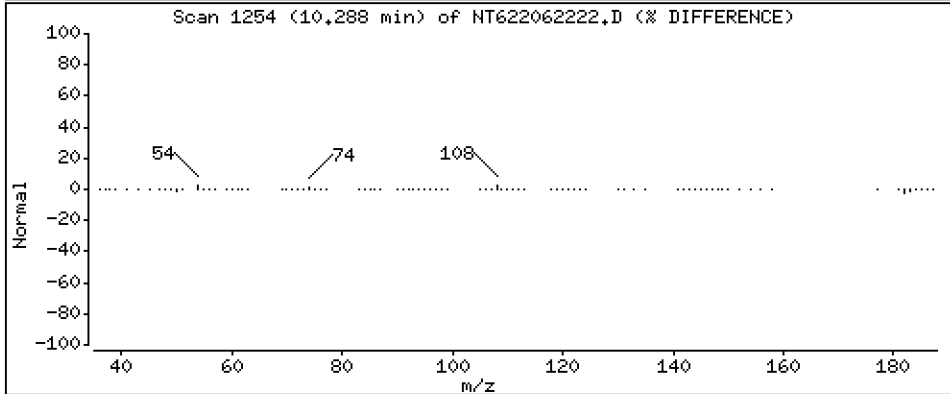
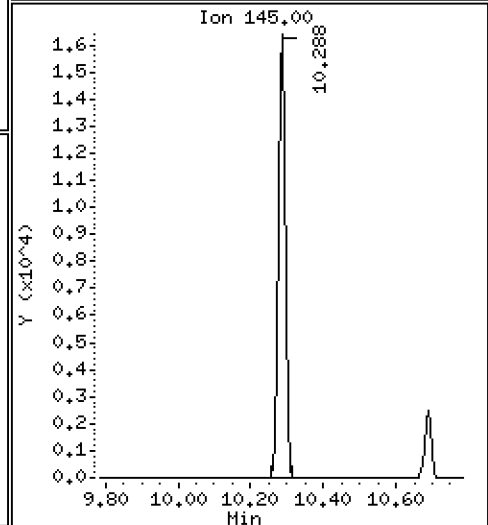
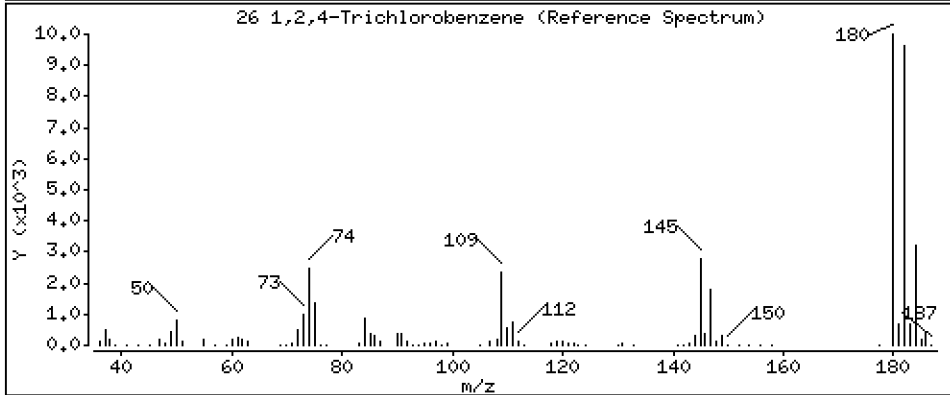
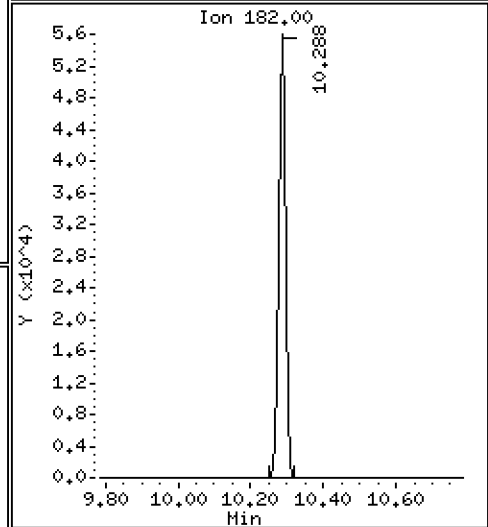
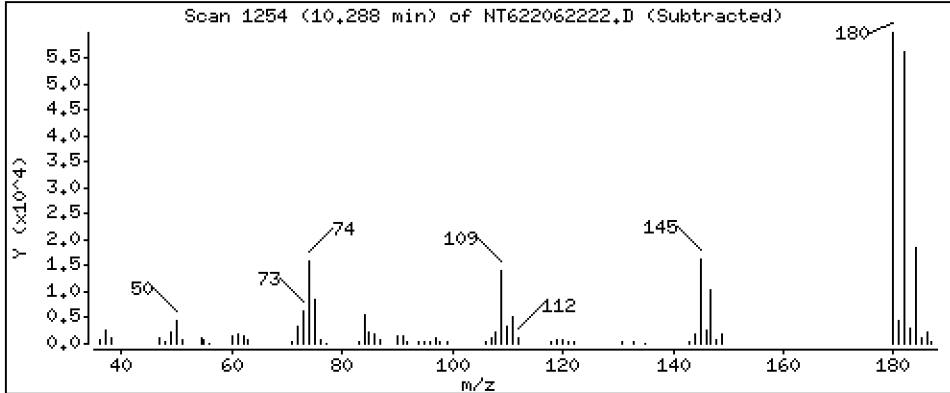
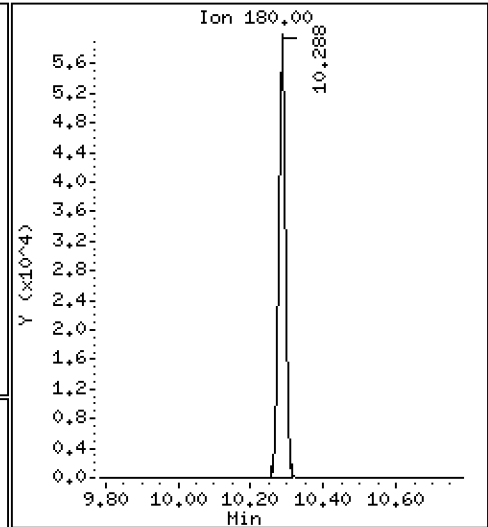
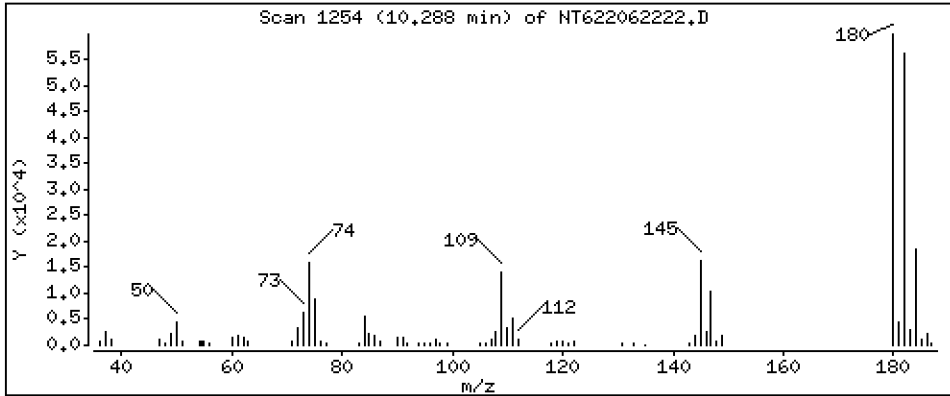
Operator: JZ

Column phase: ZB-5msi

Column diameter: 0,32

26 1,2,4-Trichlorobenzene

Concentration: 25,46 ug/mL



Date : 22-JUN-2022 22:54

Client ID:

Instrument: nt6.i

Sample Info: CCV220622,

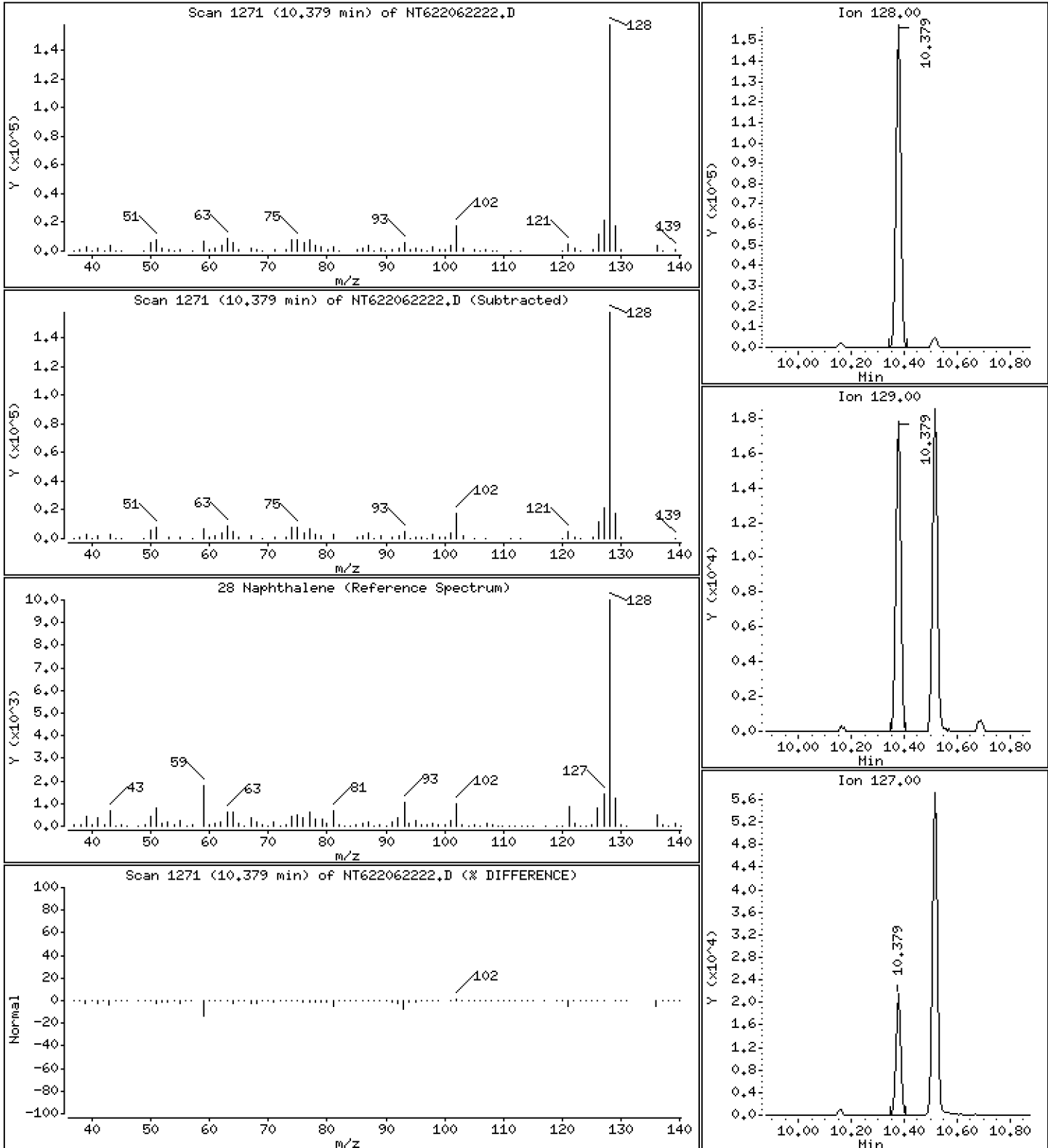
Operator: JZ

Column phase: ZB-5msi

Column diameter: 0,32

28 Naphthalene

Concentration: 25,17 ug/mL



Date : 22-JUN-2022 22:54

Client ID:

Instrument: nt6.i

Sample Info: CCV220622,

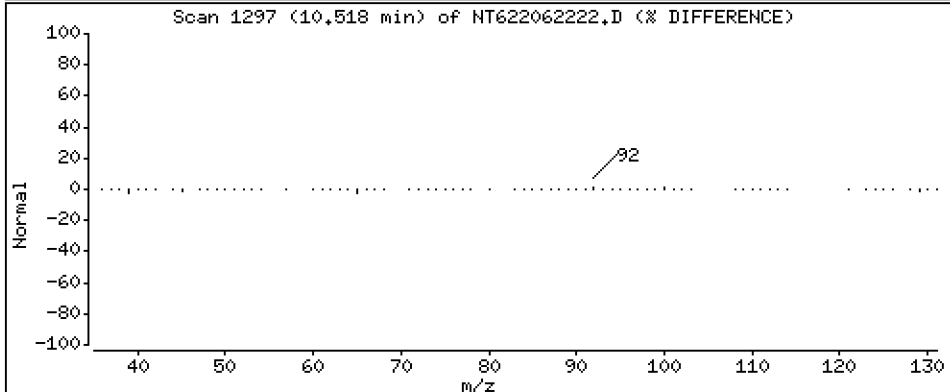
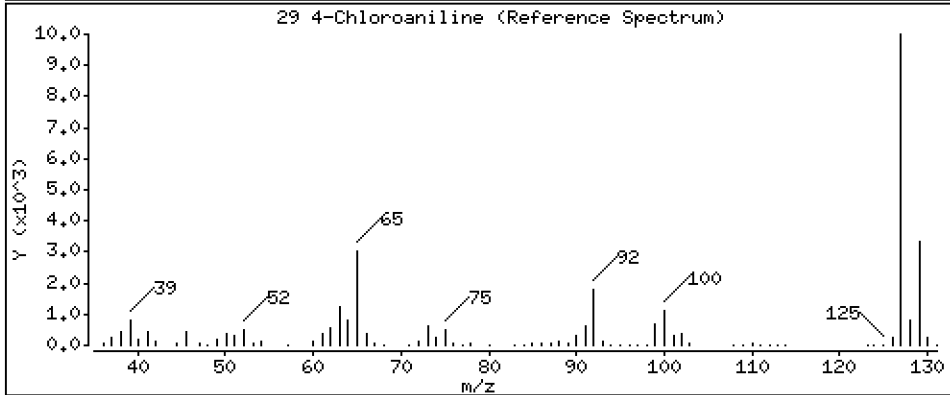
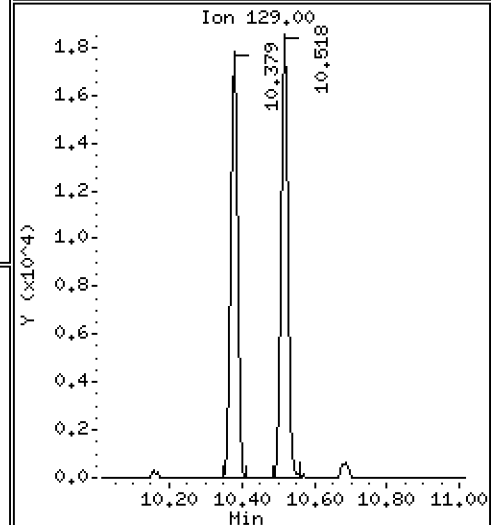
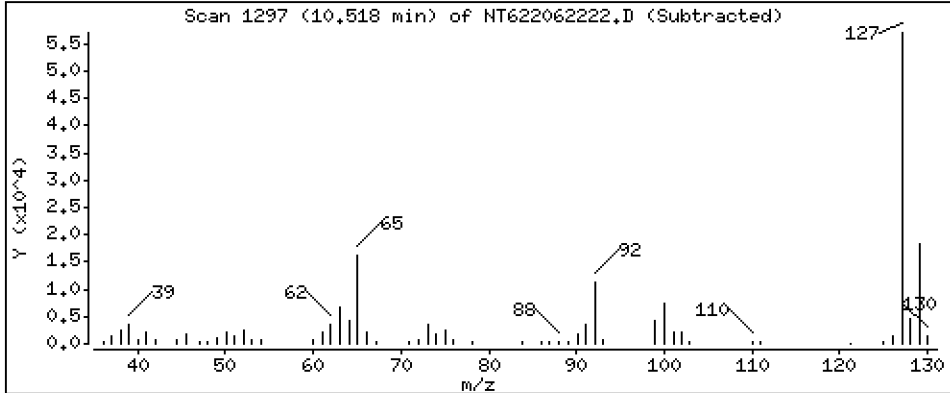
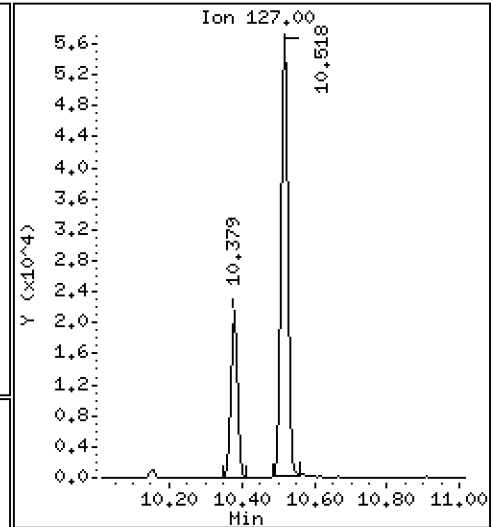
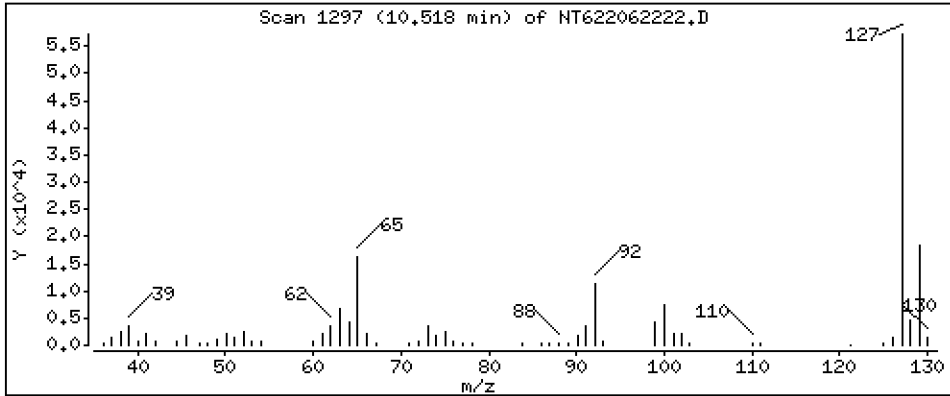
Operator: JZ

Column phase: ZB-5msi

Column diameter: 0,32

29 4-Chloroaniline

Concentration: 22,85 ug/mL



Date : 22-JUN-2022 22:54

Client ID:

Instrument: nt6.i

Sample Info: CCV220622,

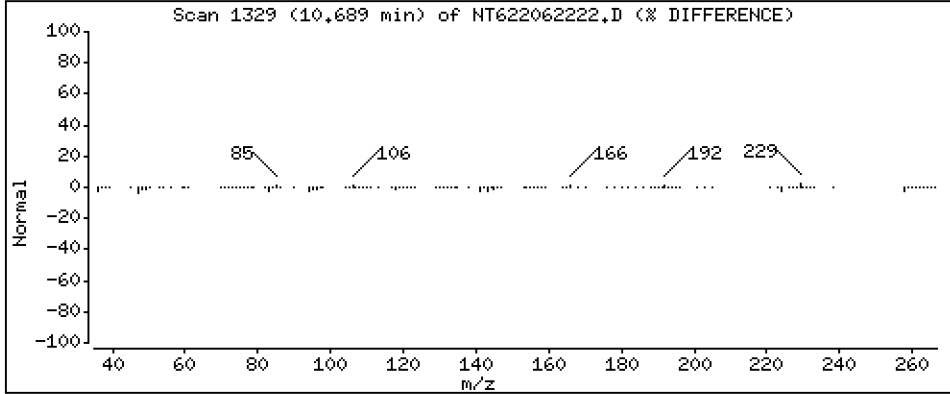
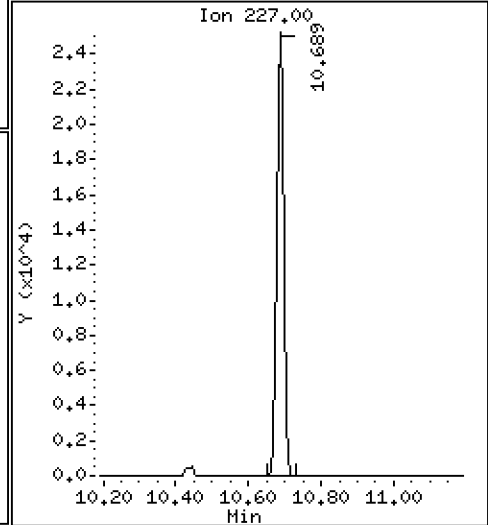
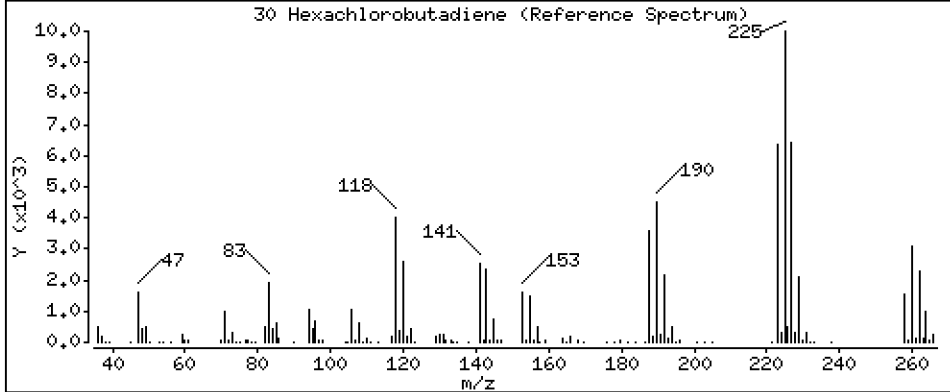
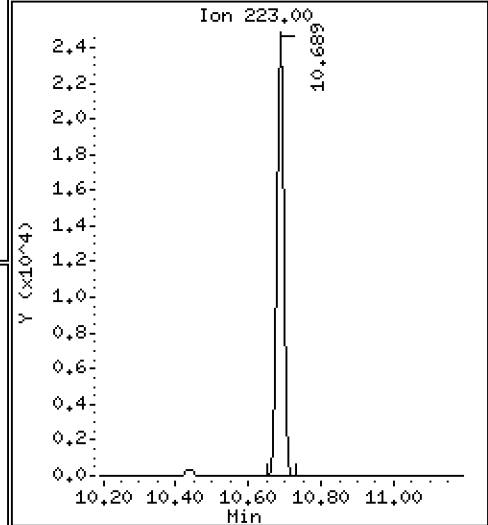
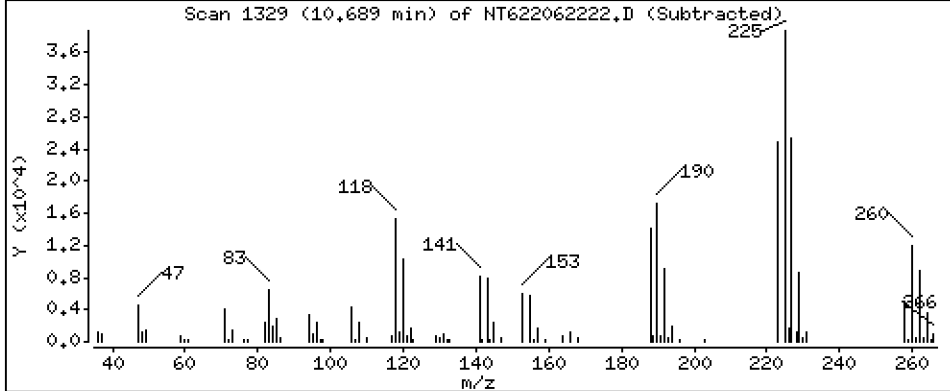
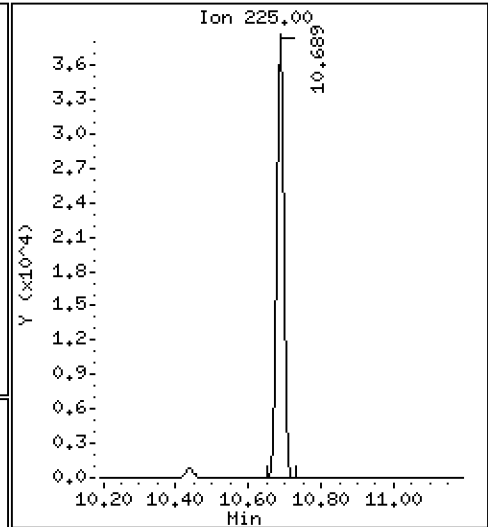
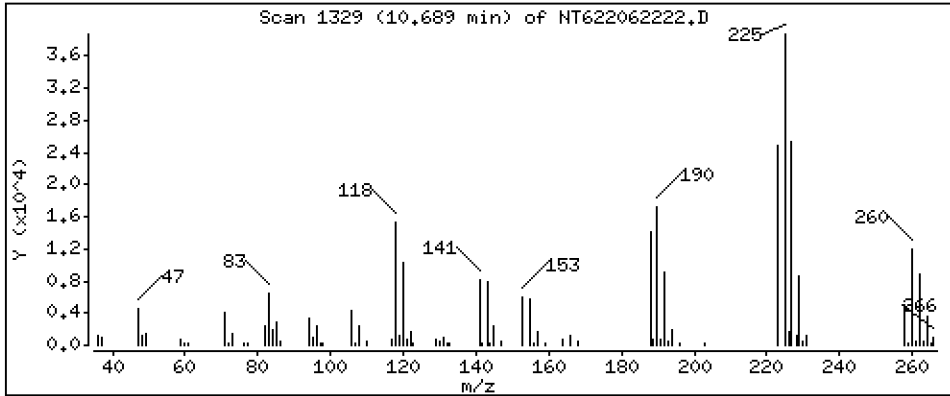
Operator: JZ

Column phase: ZB-5msi

Column diameter: 0,32

30 Hexachlorobutadiene

Concentration: 26,95 ug/mL



Date : 22-JUN-2022 22:54

Client ID:

Instrument: nt6.i

Sample Info: CCV220622,

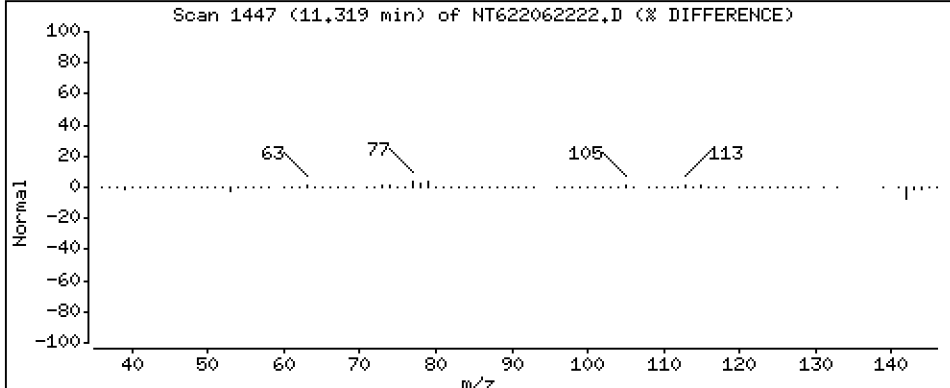
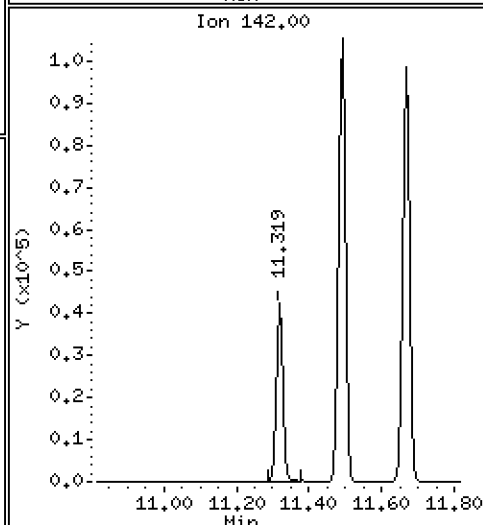
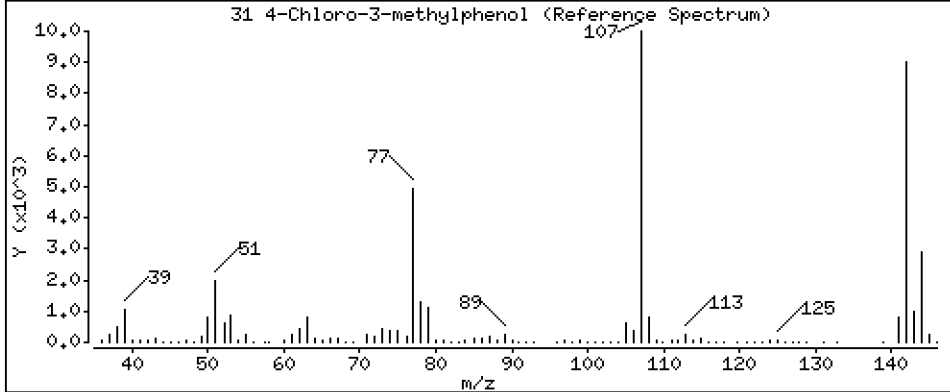
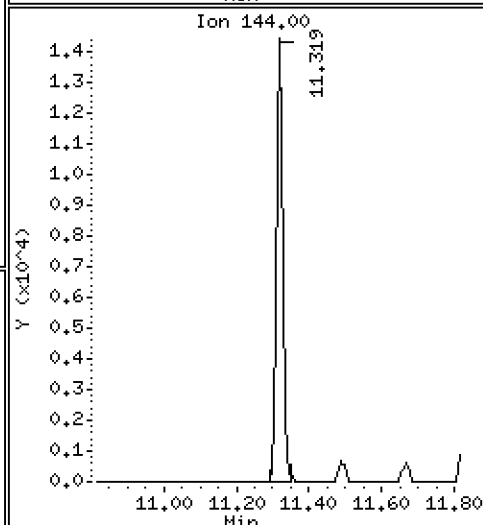
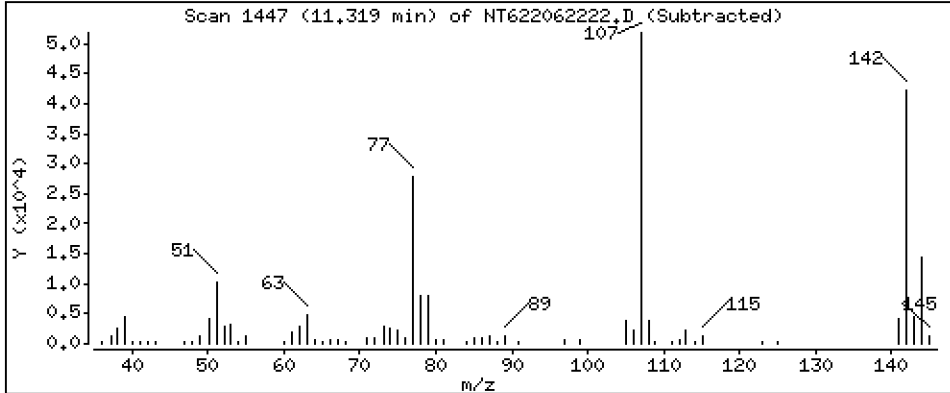
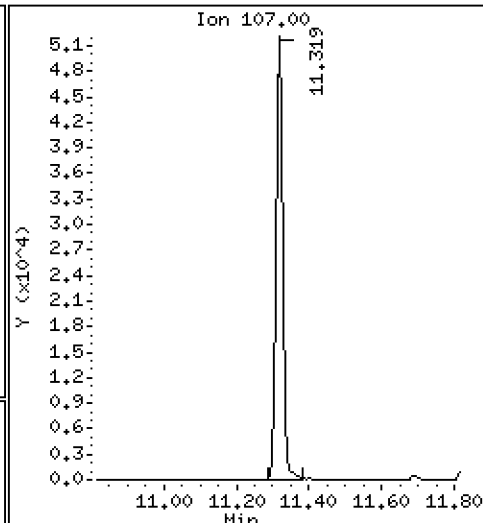
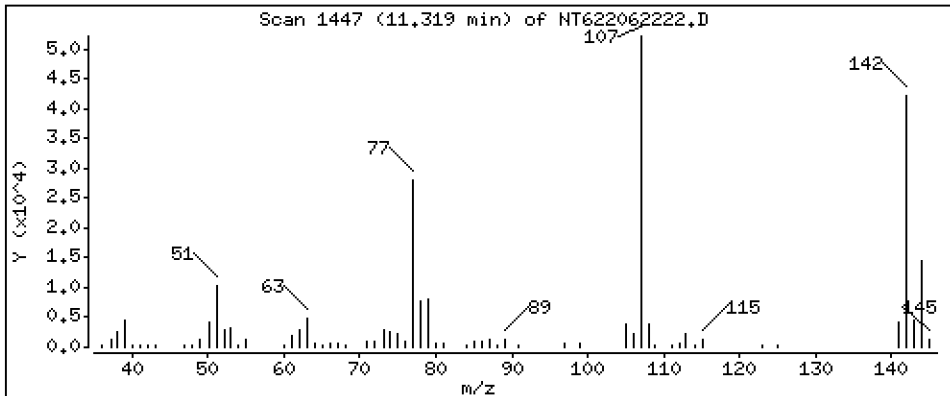
Operator: JZ

Column phase: ZB-5msi

Column diameter: 0.32

31 4-Chloro-3-methylphenol

Concentration: 25.17 ug/mL



Date : 22-JUN-2022 22:54

Client ID:

Instrument: nt6.i

Sample Info: CCV220622,

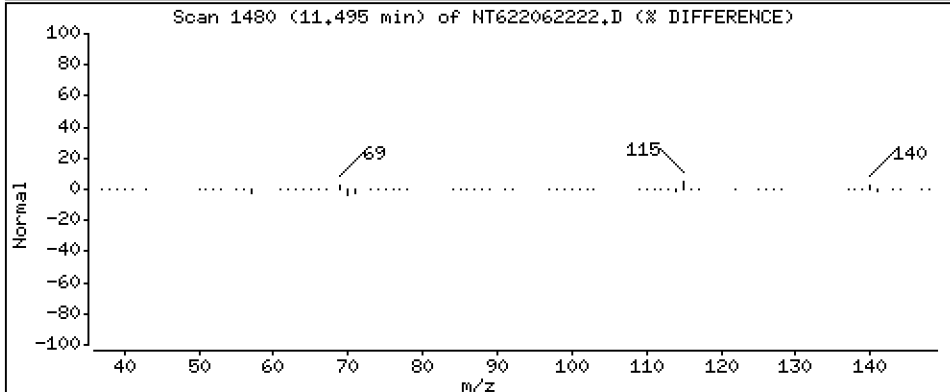
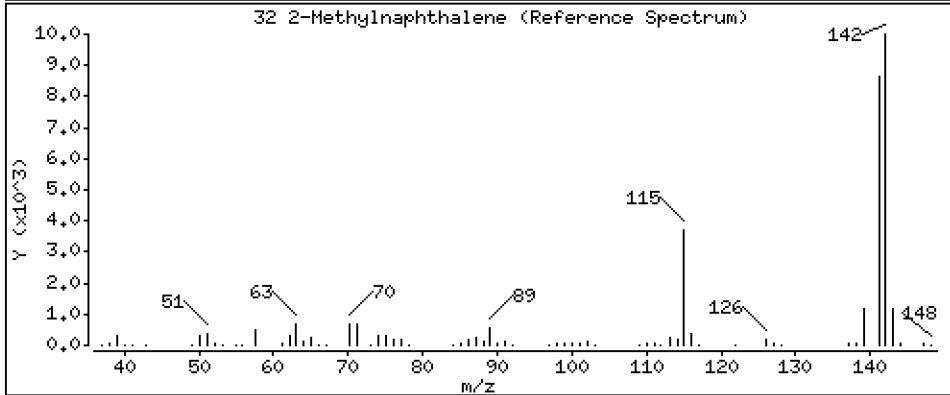
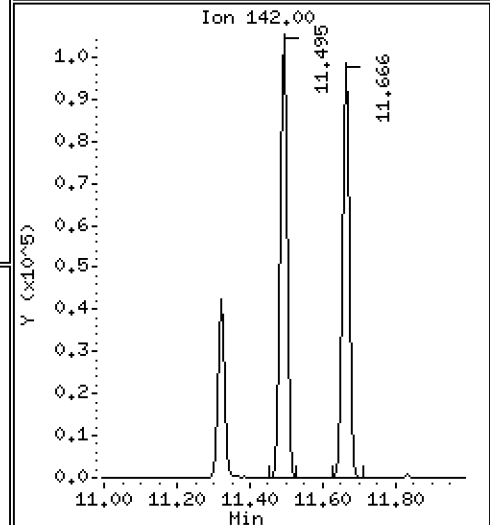
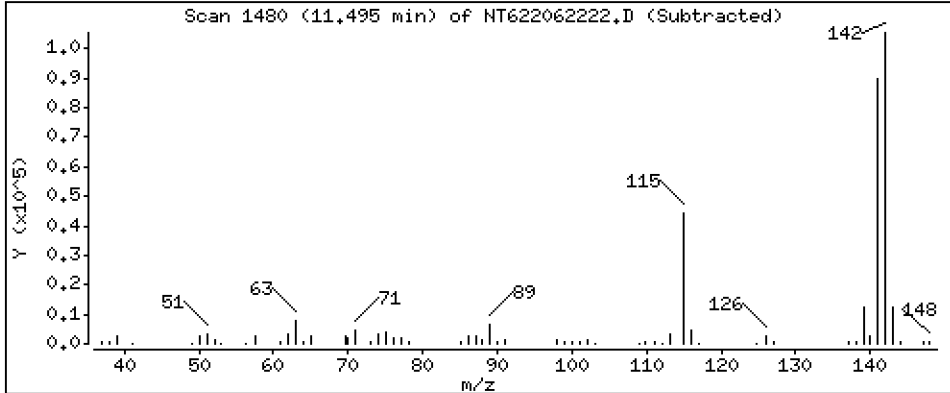
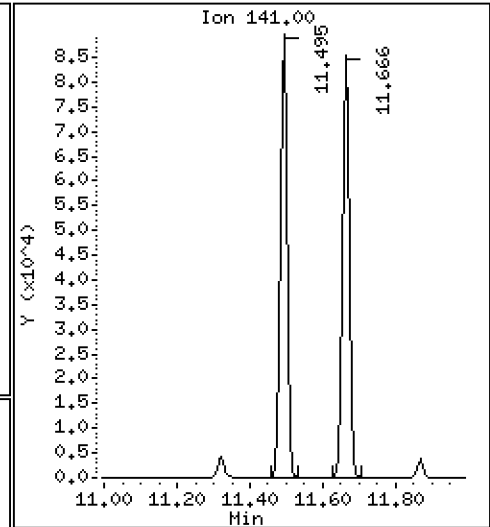
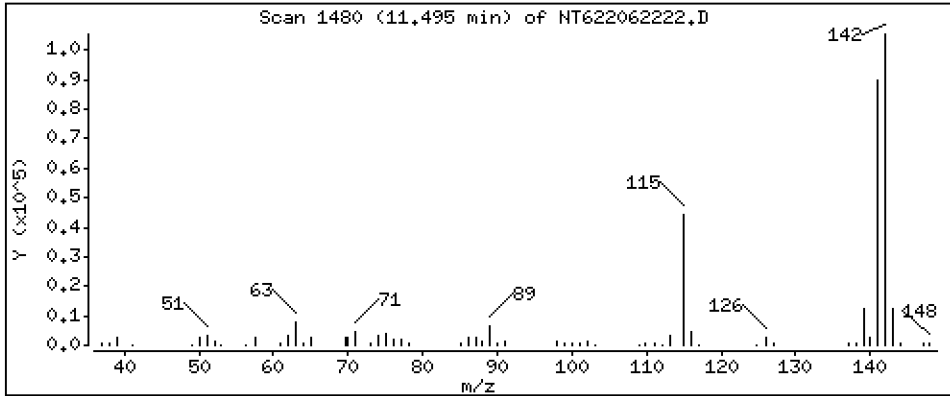
Operator: JZ

Column phase: ZB-5msi

Column diameter: 0,32

32 2-Methylnaphthalene

Concentration: 25,45 ug/mL



Date : 22-JUN-2022 22:54

Client ID:

Instrument: nt6.i

Sample Info: CCV220622,

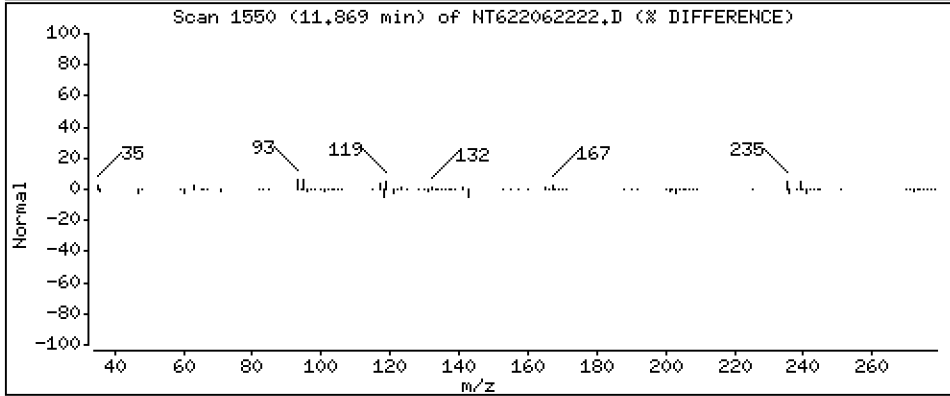
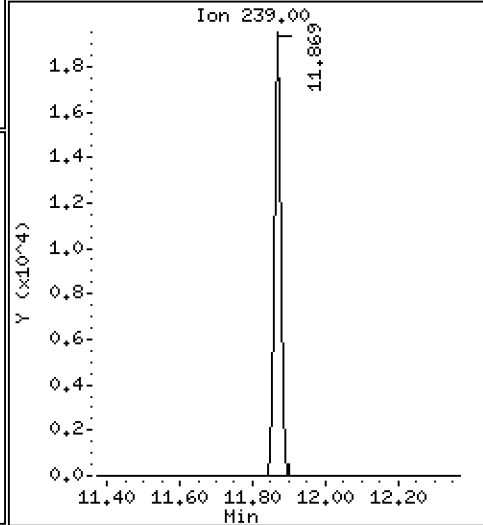
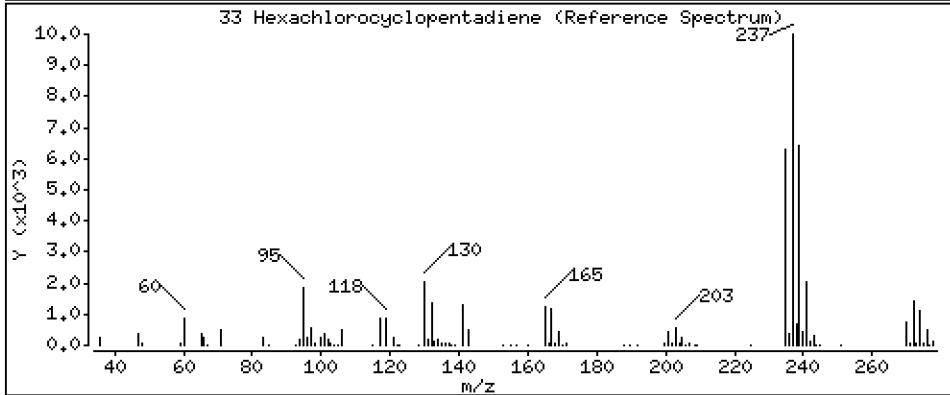
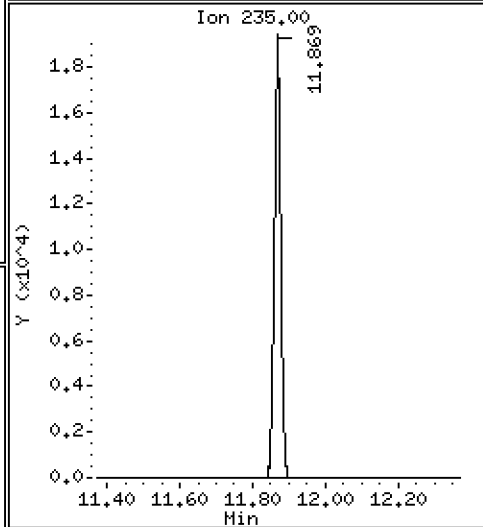
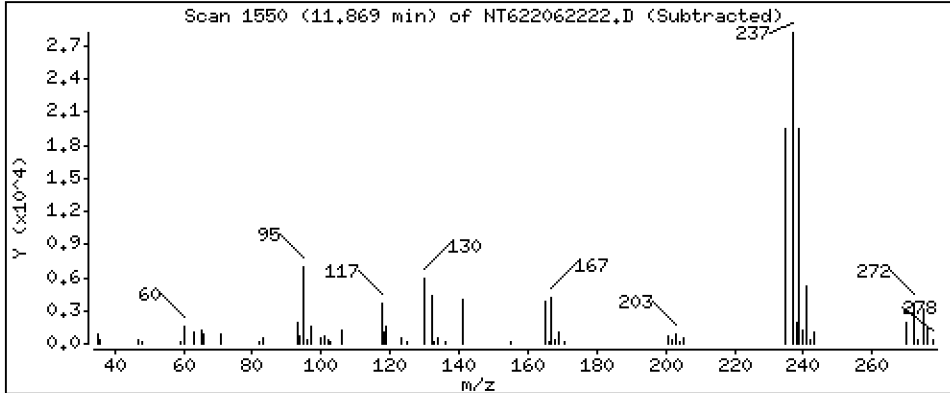
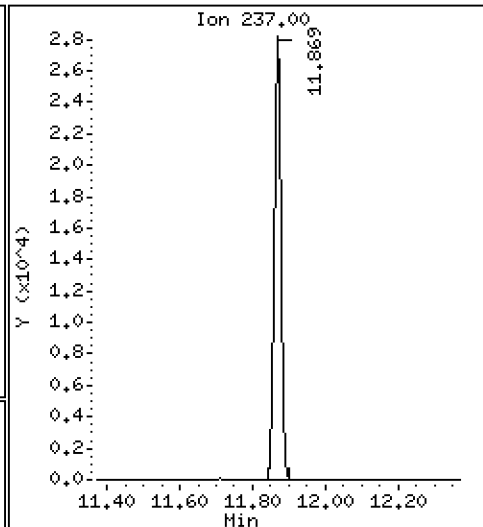
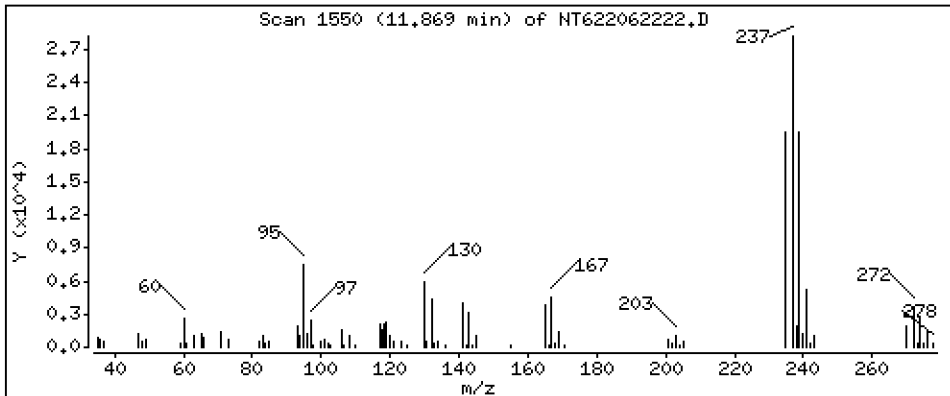
Operator: JZ

Column phase: ZB-5msi

Column diameter: 0.32

33 Hexachlorocyclopentadiene

Concentration: 16.65 ug/mL



Date : 22-JUN-2022 22:54

Client ID:

Instrument: nt6.i

Sample Info: CCV220622,

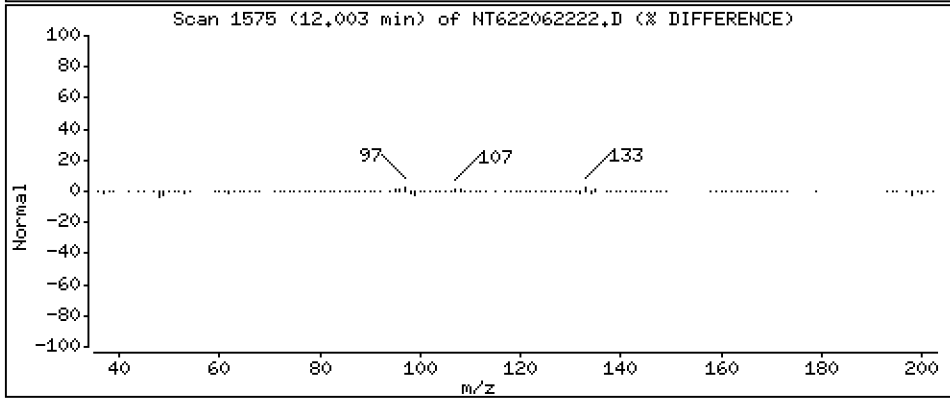
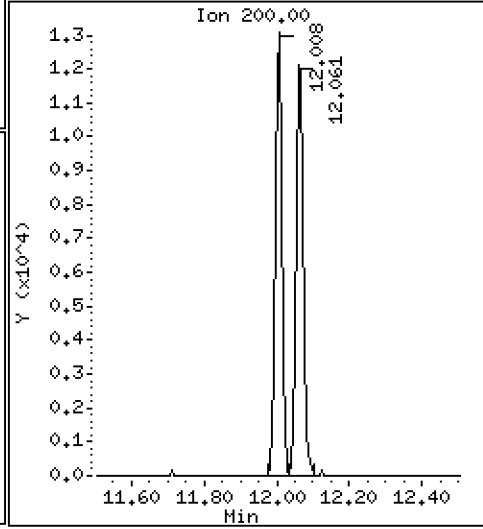
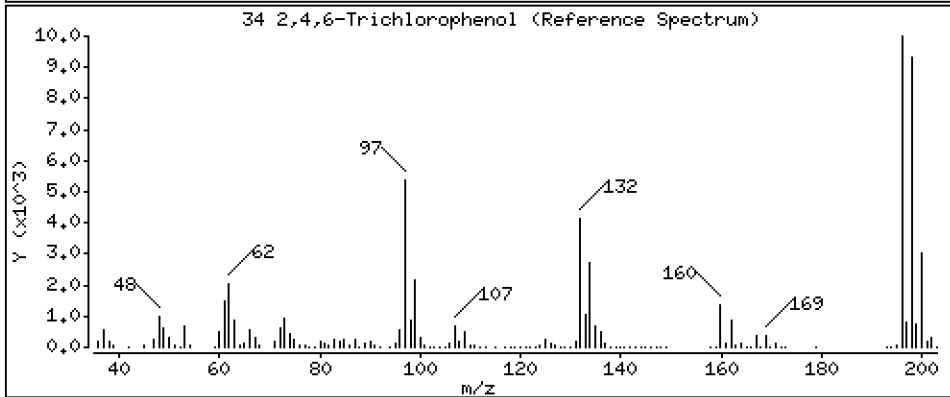
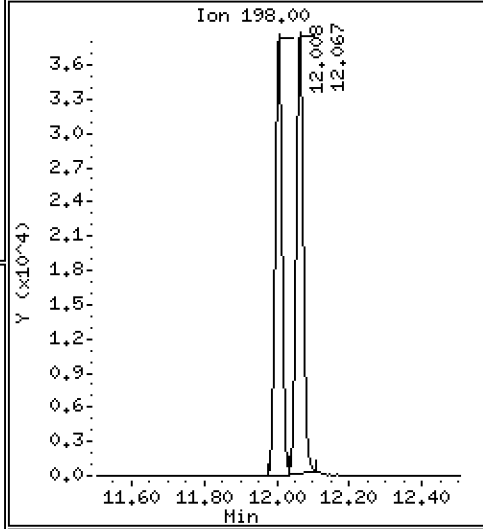
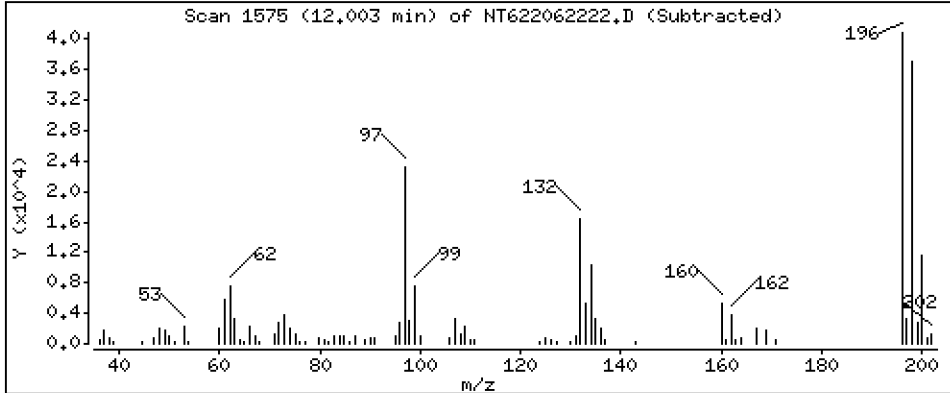
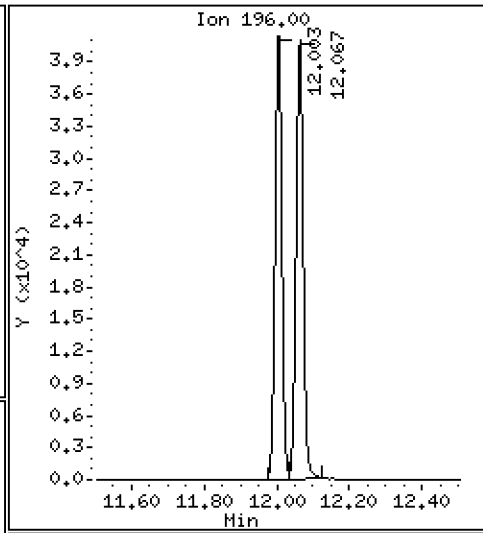
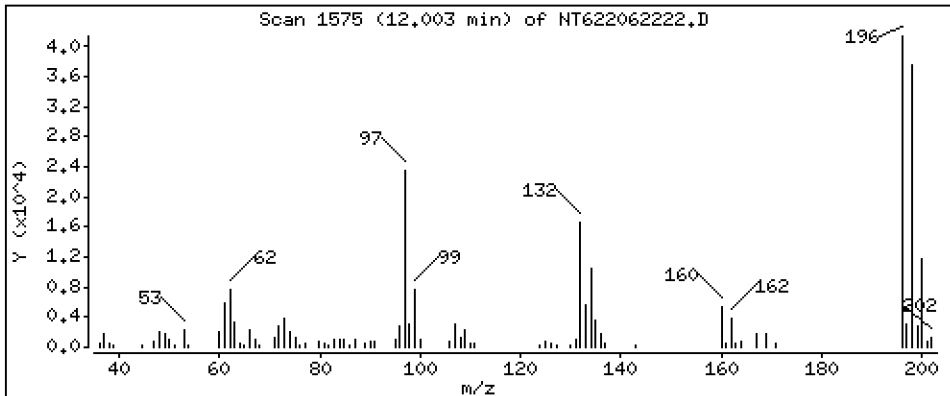
Operator: JZ

Column phase: ZB-5msi

Column diameter: 0.32

34 2,4,6-Trichlorophenol

Concentration: 24.30 ug/mL



Date : 22-JUN-2022 22:54

Client ID:

Instrument: nt6.i

Sample Info: CCV220622,

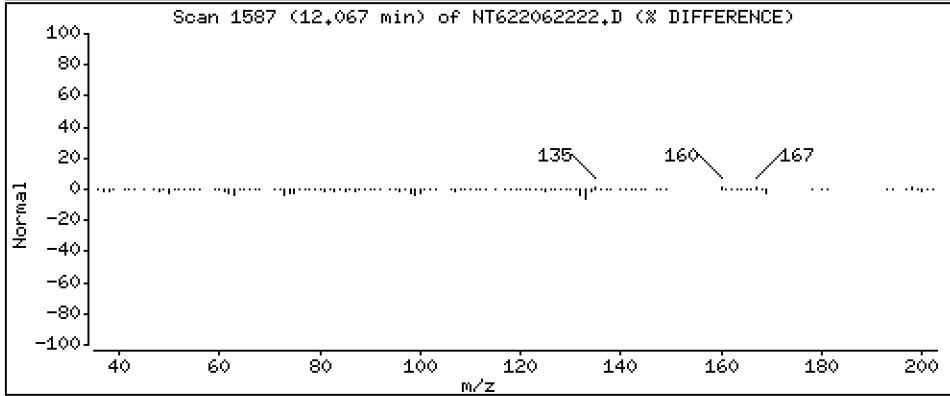
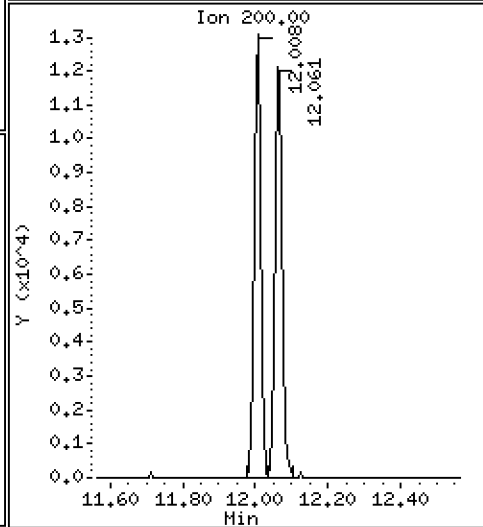
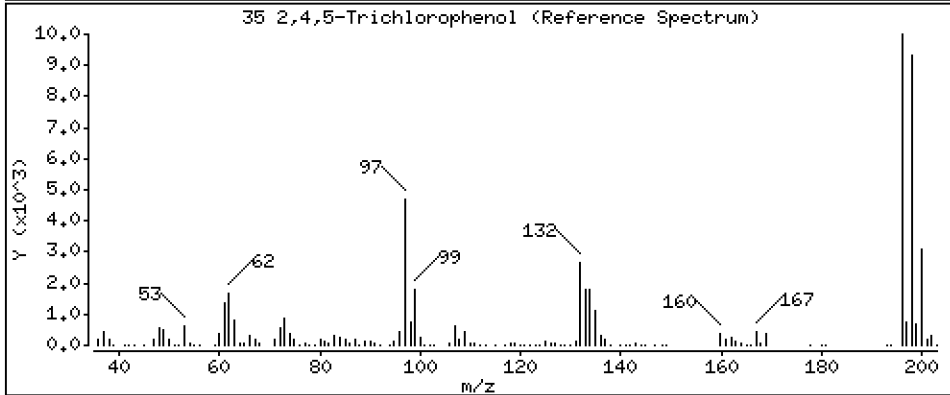
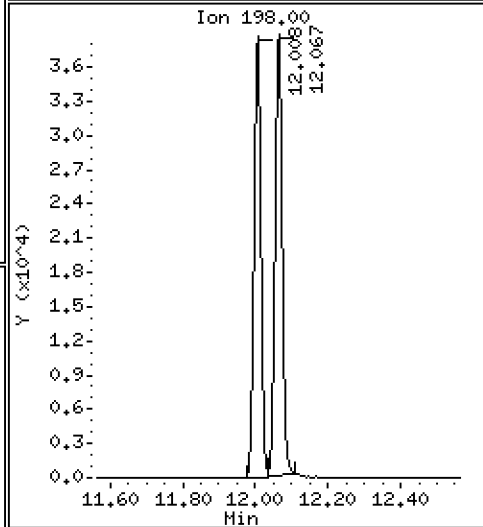
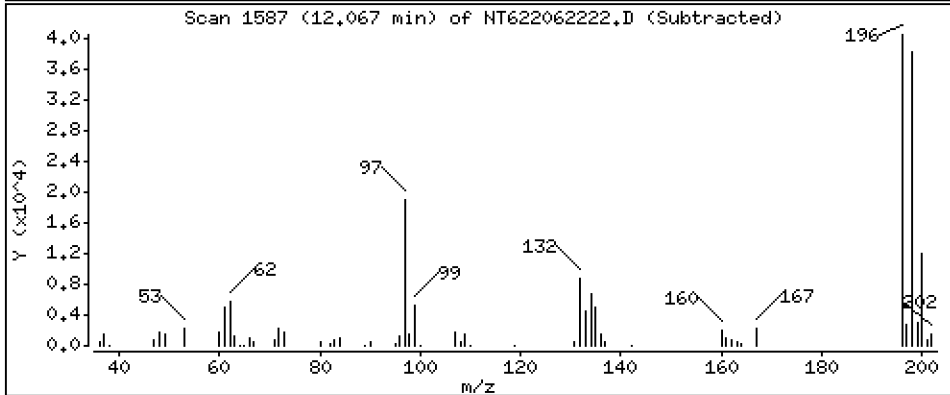
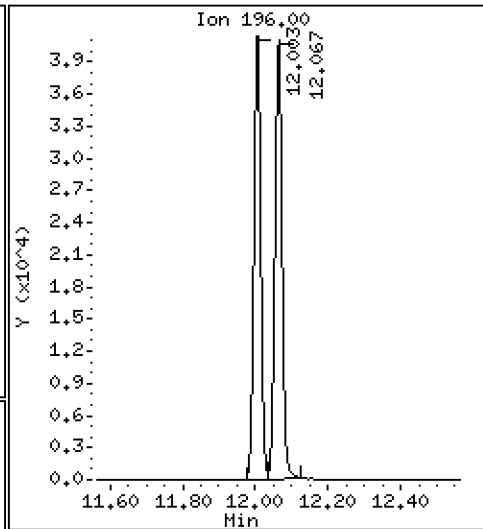
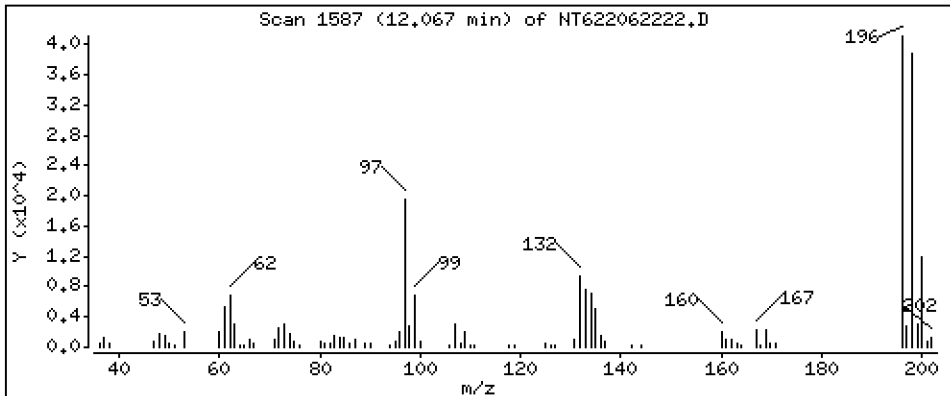
Operator: JZ

Column phase: ZB-5msi

Column diameter: 0.32

35 2,4,5-Trichlorophenol

Concentration: 23.45 ug/mL



Date : 22-JUN-2022 22:54

Client ID:

Instrument: nt6.i

Sample Info: CCV220622,

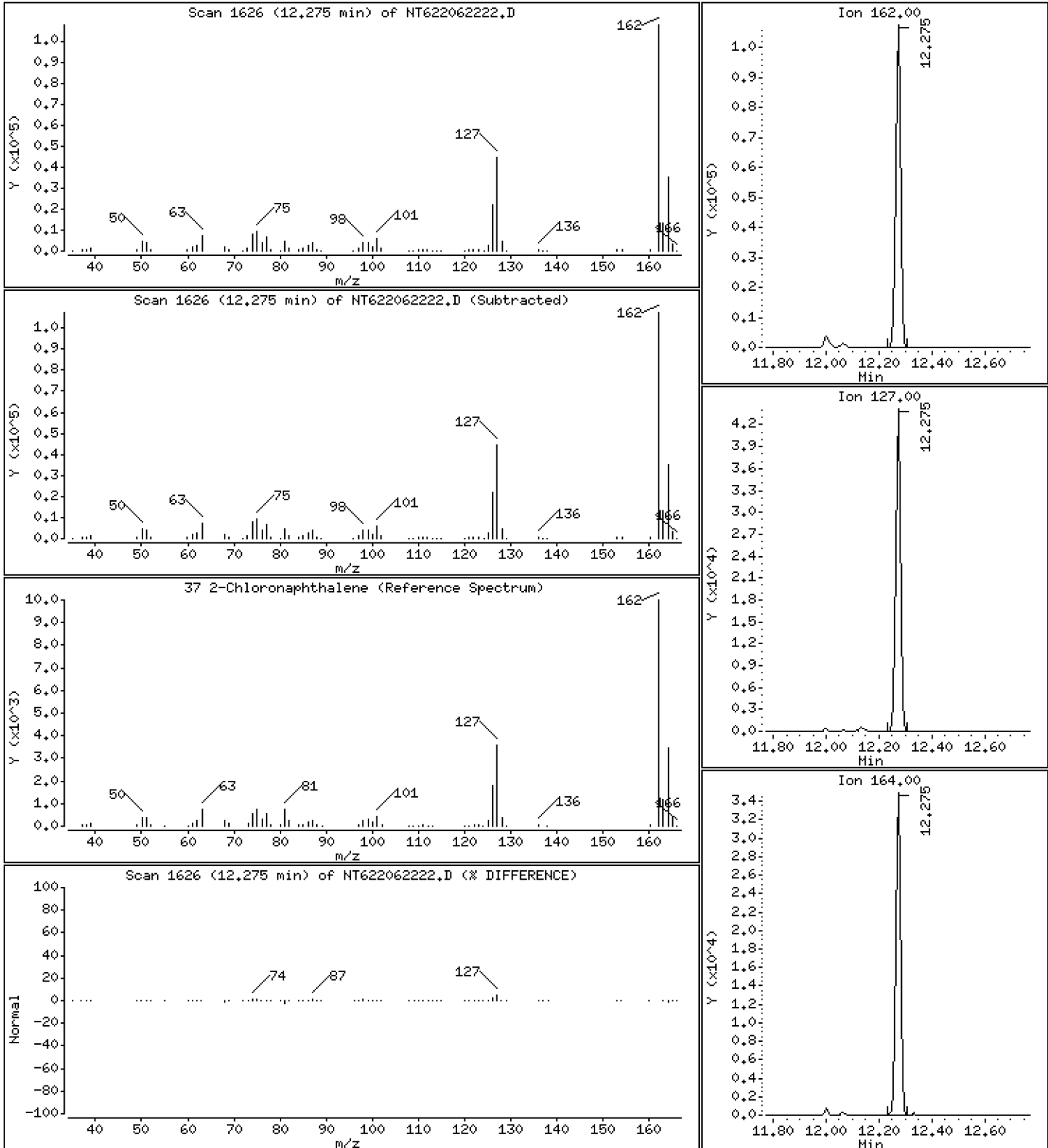
Operator: JZ

Column phase: ZB-5msi

Column diameter: 0,32

37 2-Chloronaphthalene

Concentration: 23,78 ug/mL



Date : 22-JUN-2022 22:54

Client ID:

Instrument: nt6.i

Sample Info: CCV220622,

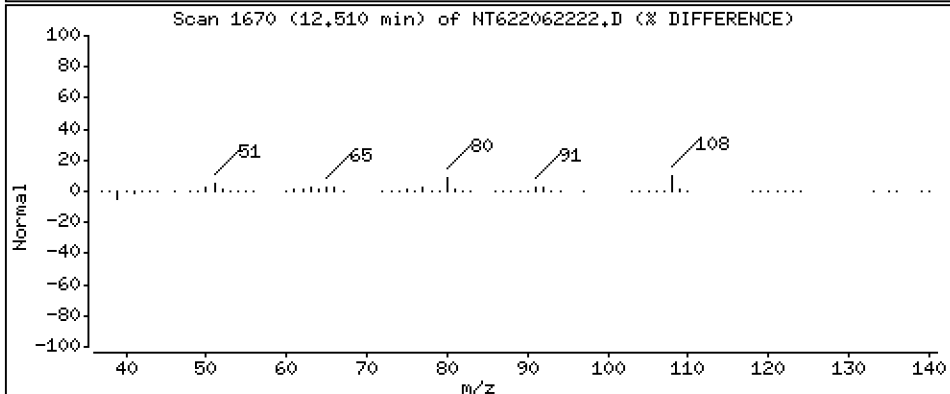
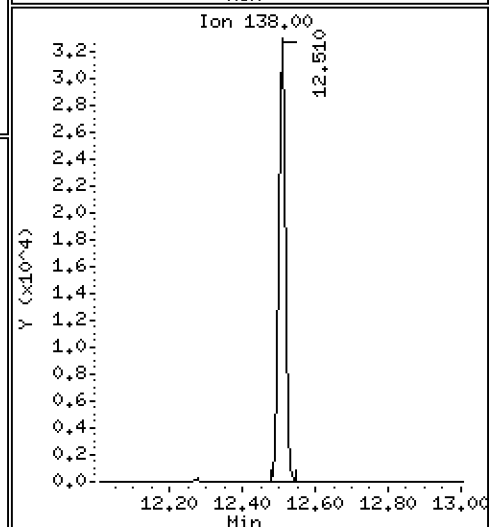
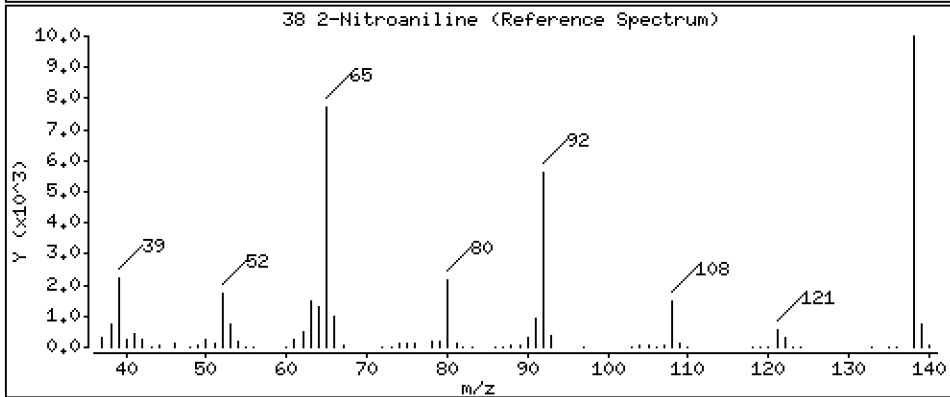
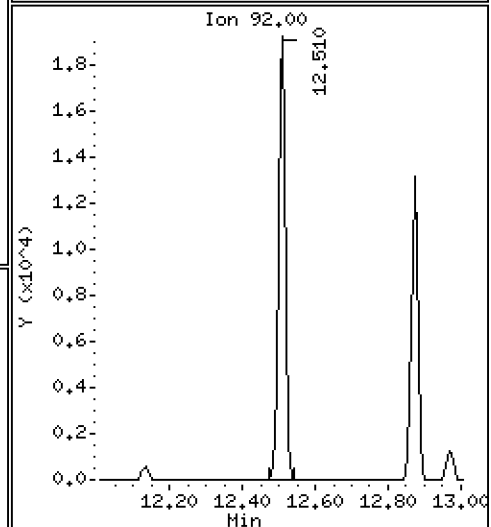
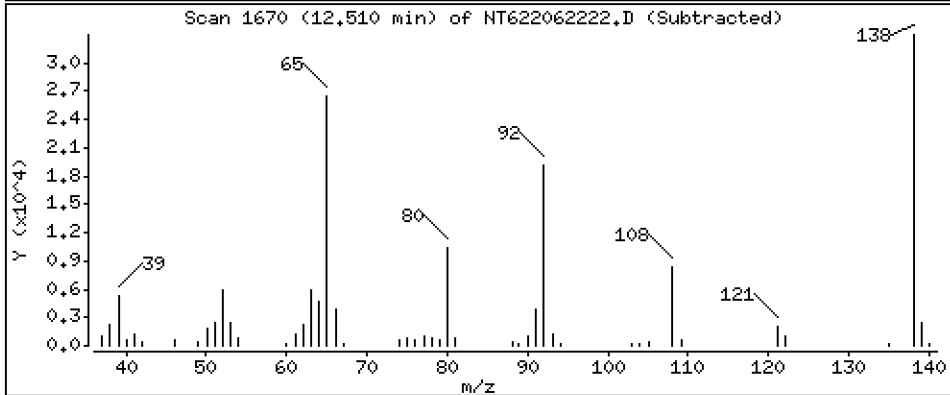
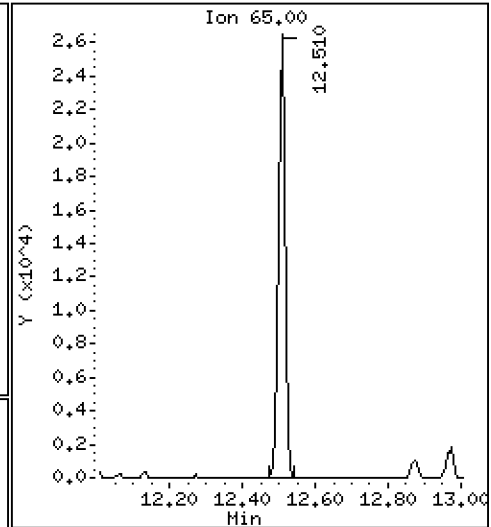
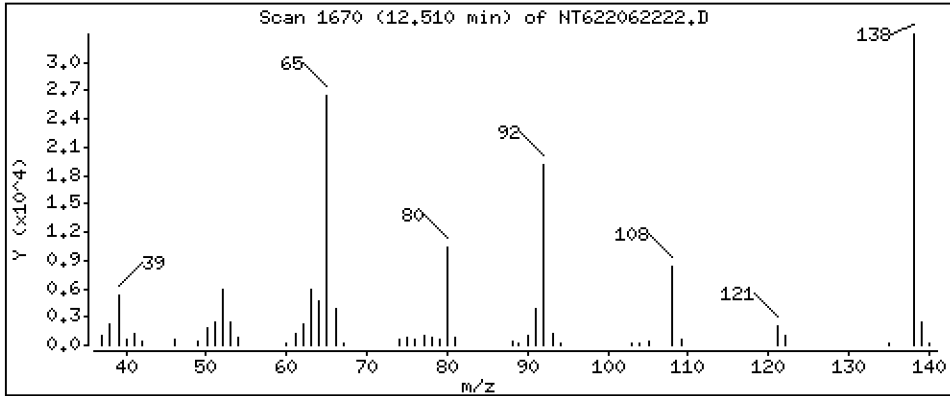
Operator: JZ

Column phase: ZB-5msi

Column diameter: 0.32

38 2-Nitroaniline

Concentration: 23,14 ug/mL



Date : 22-JUN-2022 22:54

Client ID:

Instrument: nt6.i

Sample Info: CCV220622,

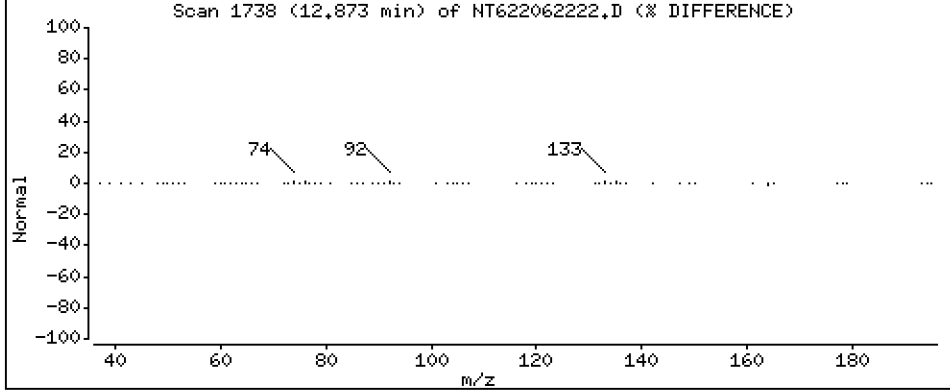
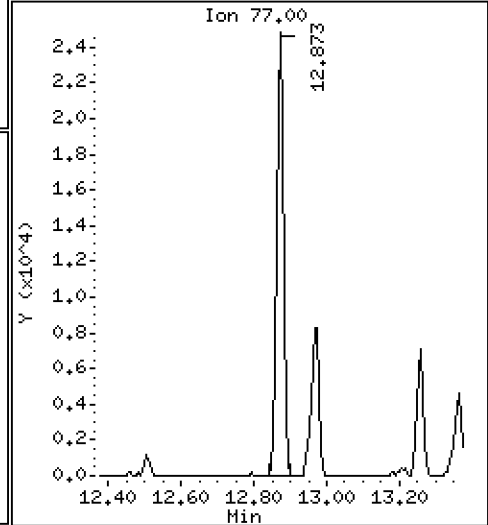
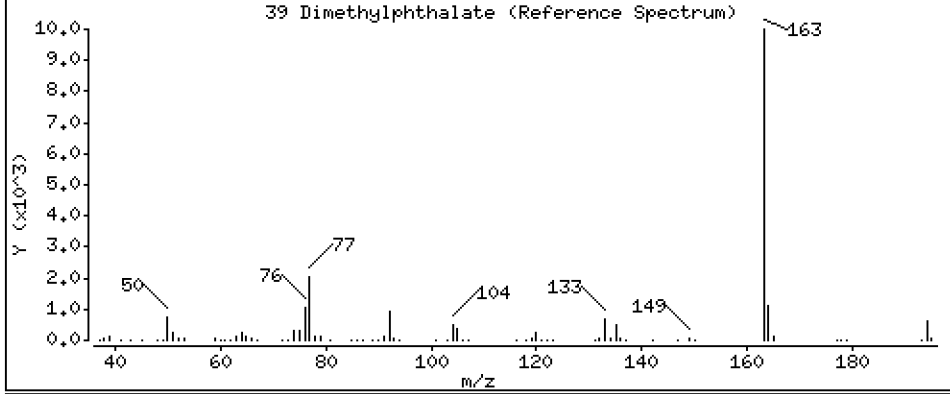
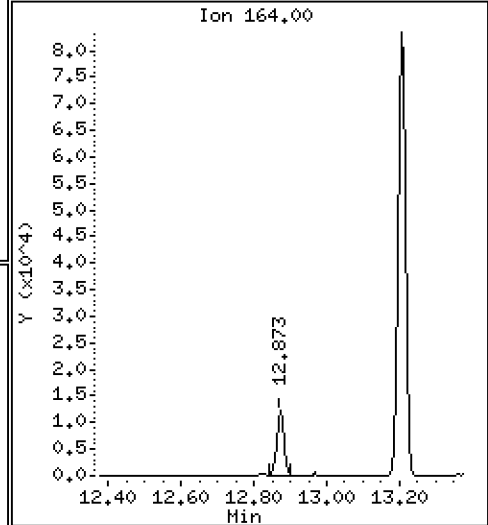
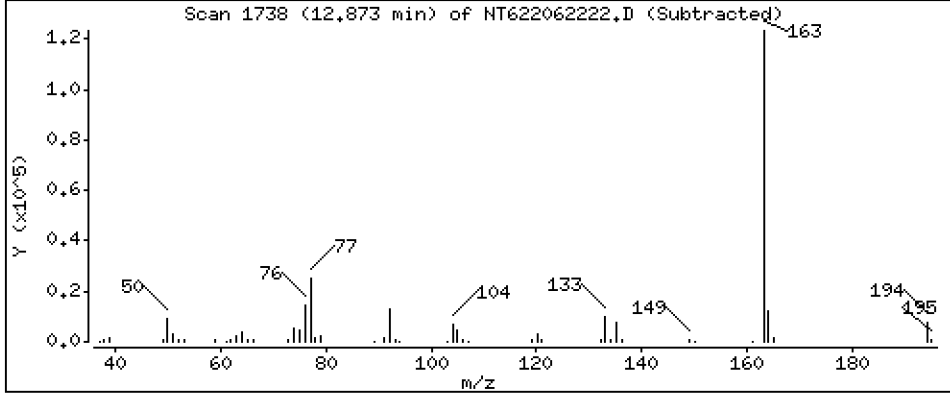
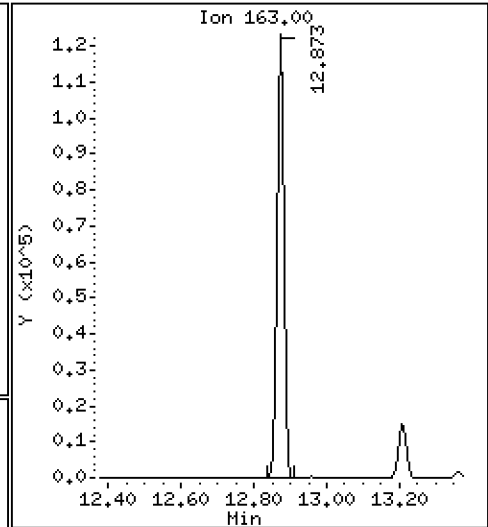
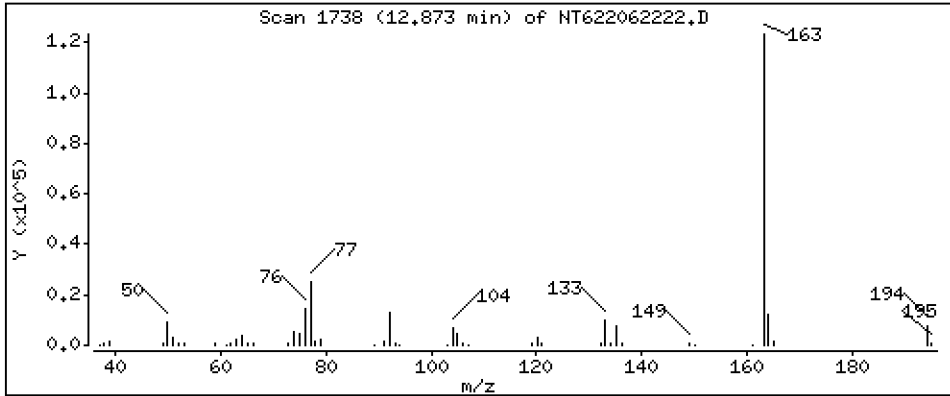
Operator: JZ

Column phase: ZB-5msi

Column diameter: 0.32

39 Dimethylphthalate

Concentration: 25.42 ug/mL



Date : 22-JUN-2022 22:54

Client ID:

Instrument: nt6.i

Sample Info: CCV220622,

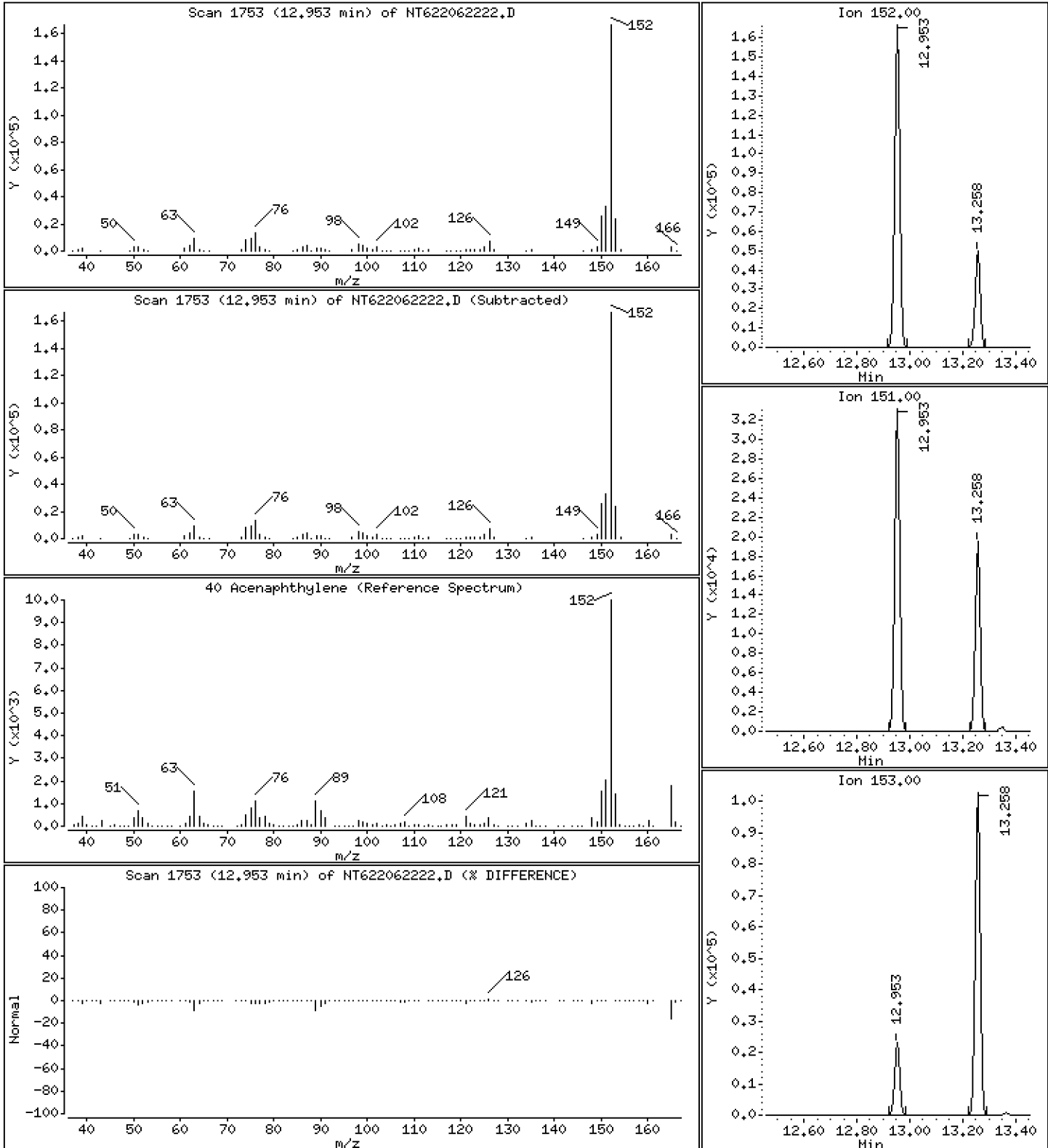
Operator: JZ

Column phase: ZB-5msi

Column diameter: 0,32

40 Acenaphthylene

Concentration: 23,75 ug/mL



Date : 22-JUN-2022 22:54

Client ID:

Instrument: nt6.i

Sample Info: CCV220622,

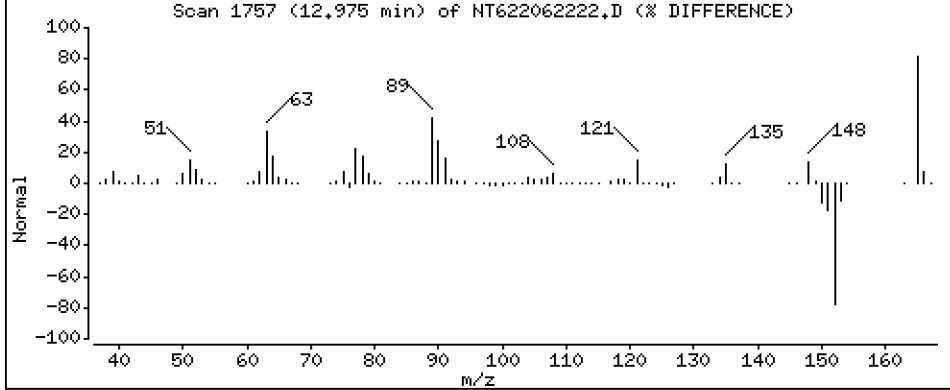
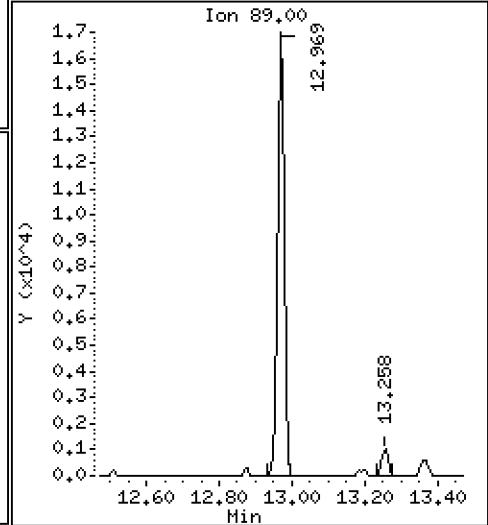
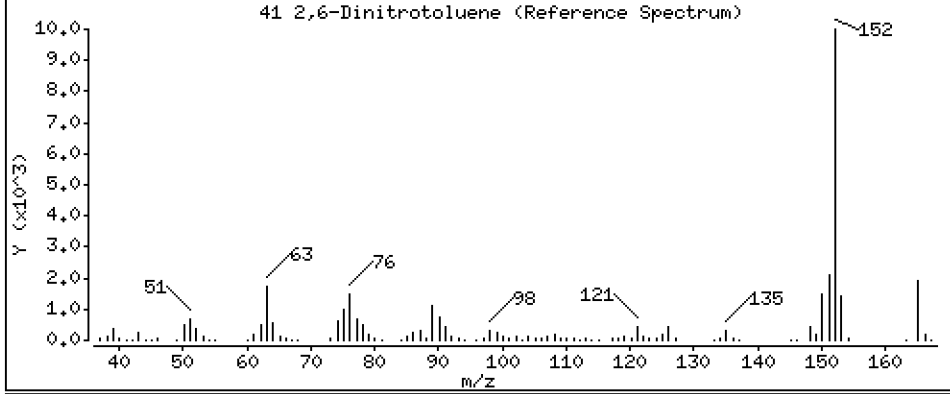
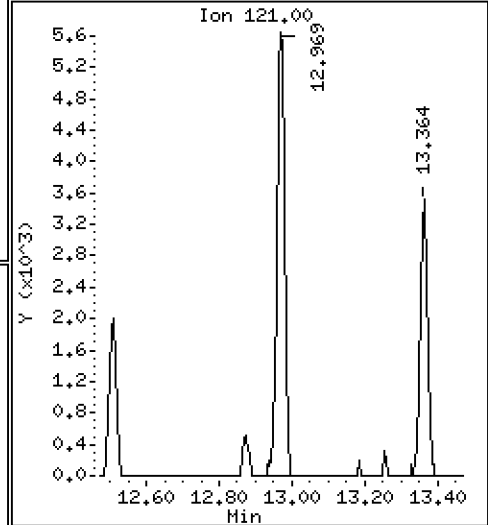
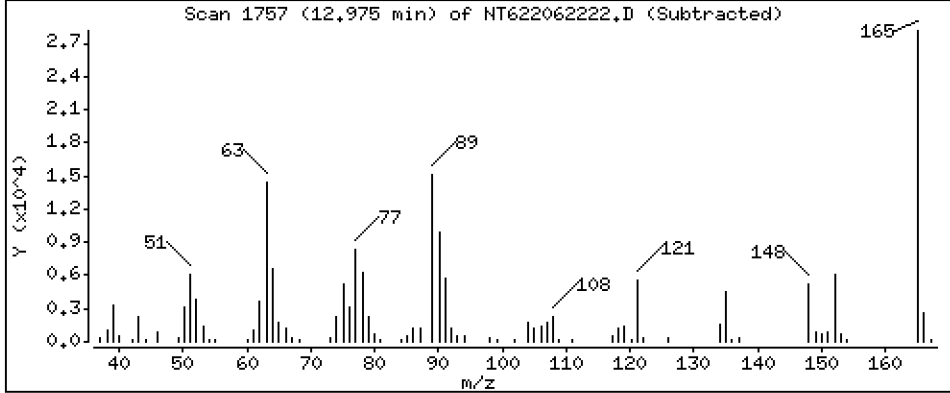
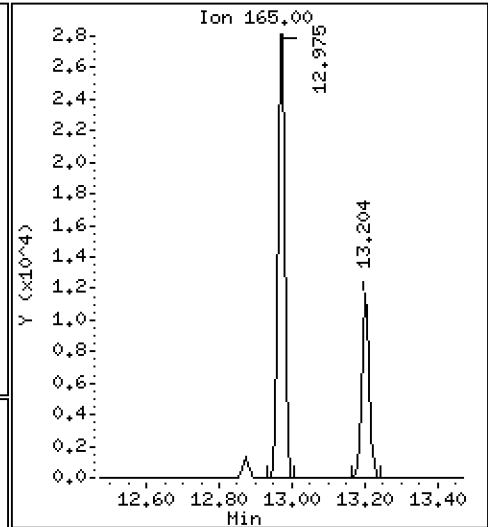
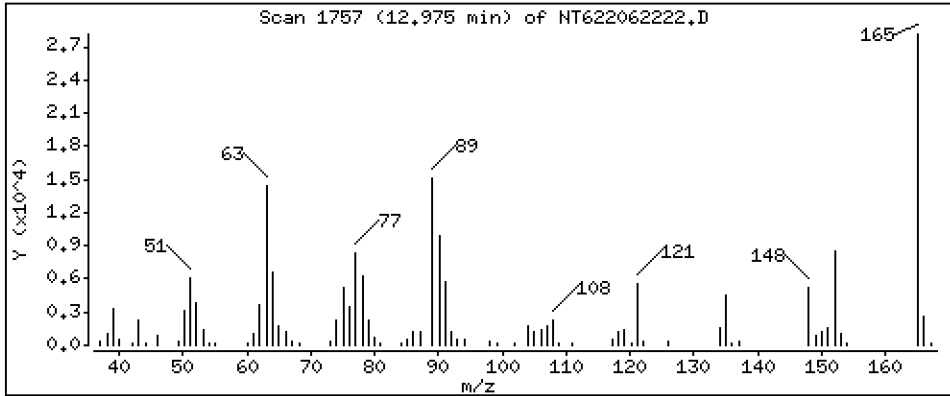
Operator: JZ

Column phase: ZB-5msi

Column diameter: 0.32

41 2,6-Dinitrotoluene

Concentration: 25.62 ug/mL



Date : 22-JUN-2022 22:54

Client ID:

Instrument: nt6.i

Sample Info: CCV220622,

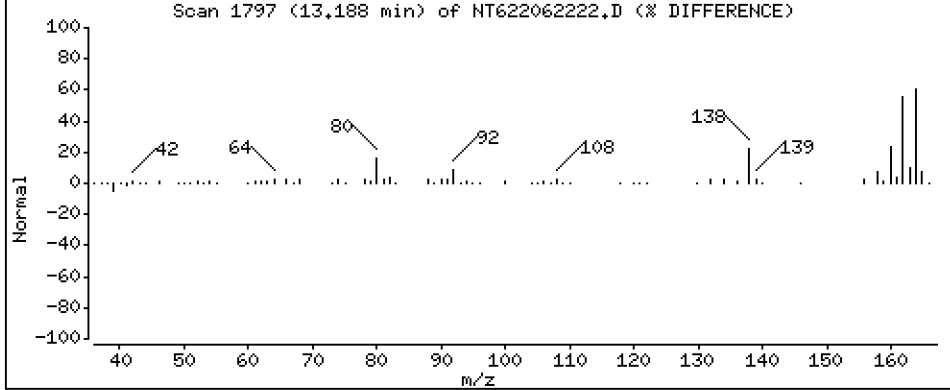
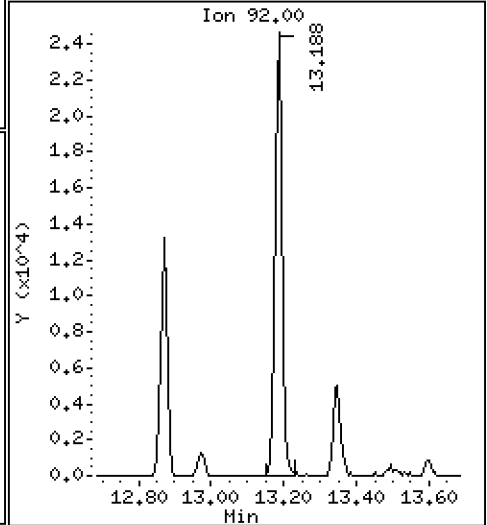
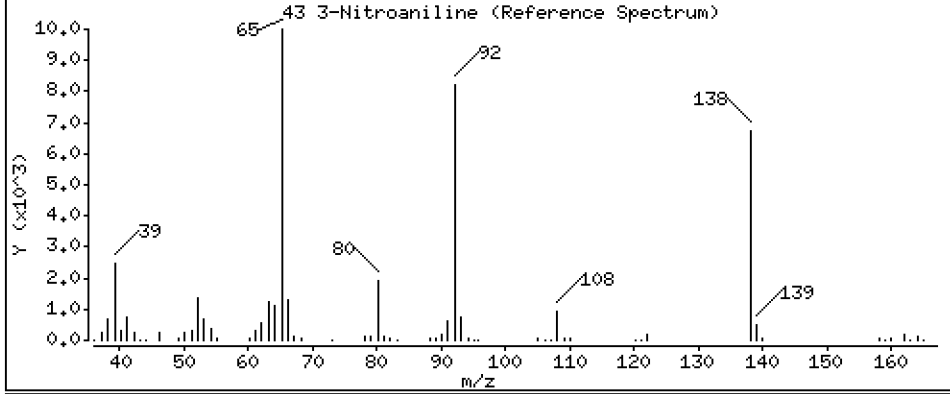
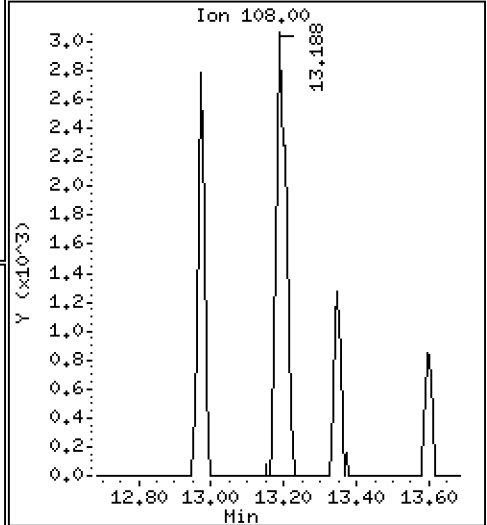
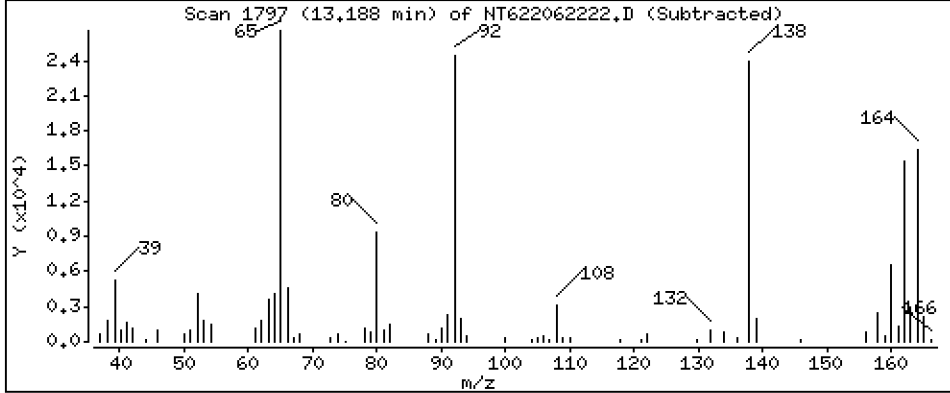
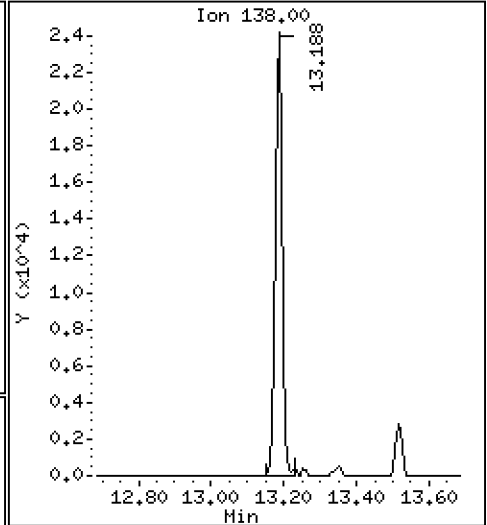
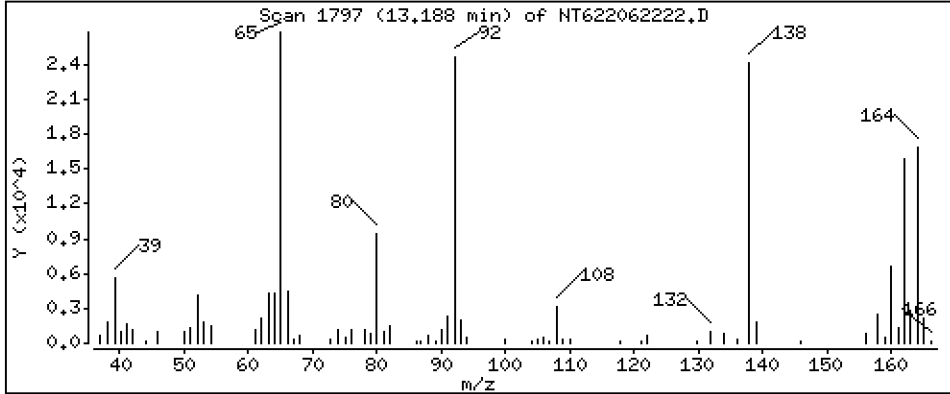
Operator: JZ

Column phase: ZB-5msi

Column diameter: 0.32

43 3-Nitroaniline

Concentration: 22.40 ug/mL



Date : 22-JUN-2022 22:54

Client ID:

Instrument: nt6.i

Sample Info: CCV220622,

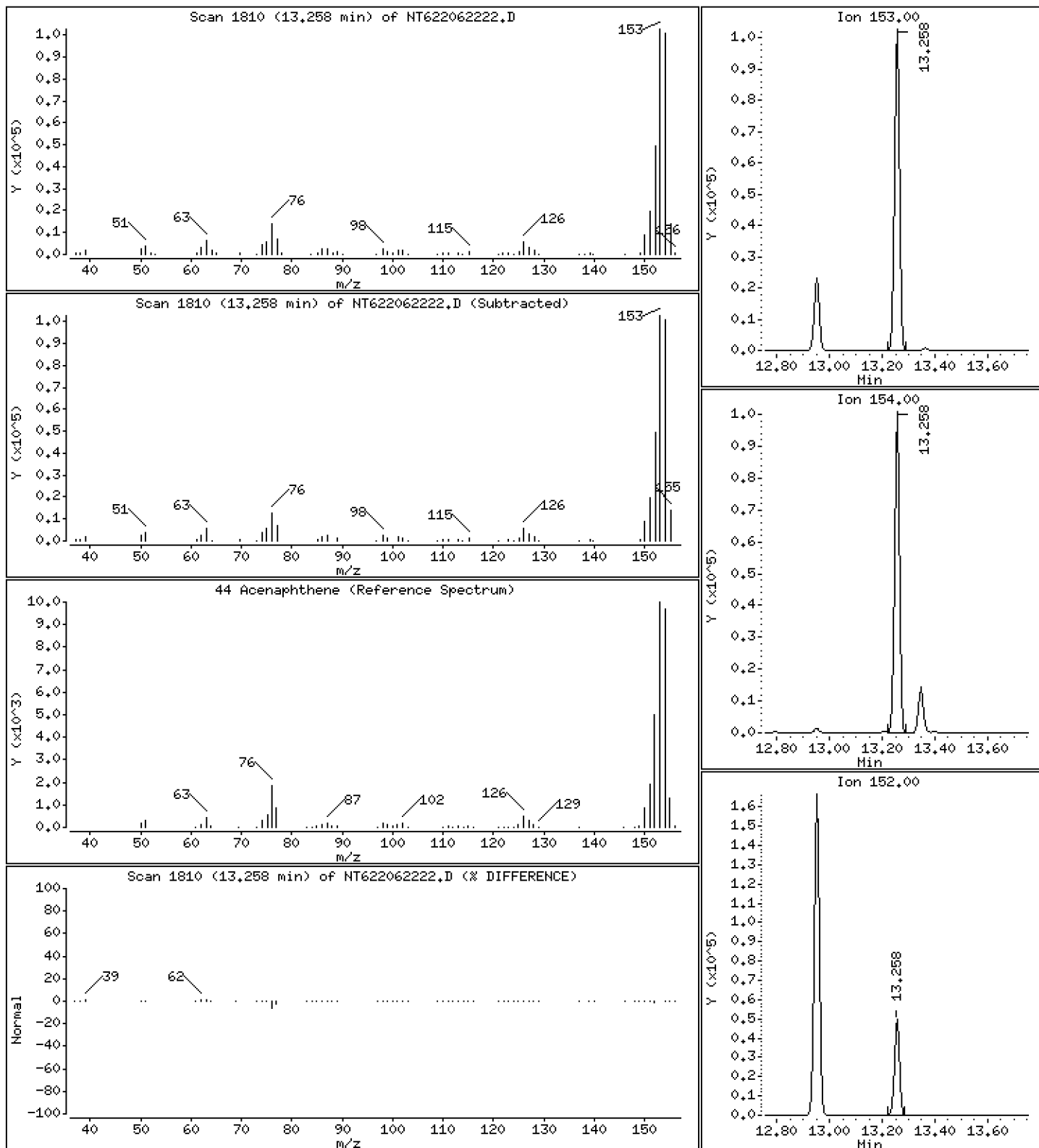
Operator: JZ

Column phase: ZB-5msi

Column diameter: 0.32

44 Acenaphthene

Concentration: 24.19 ug/mL



Date : 22-JUN-2022 22:54

Client ID:

Instrument: nt6.i

Sample Info: CCV220622,

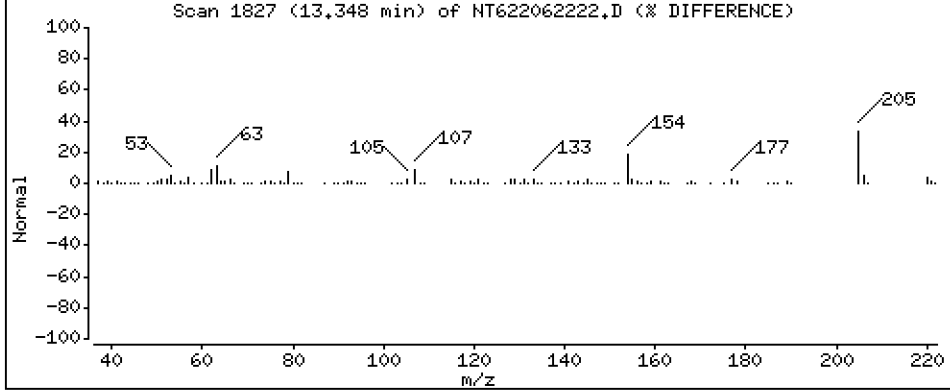
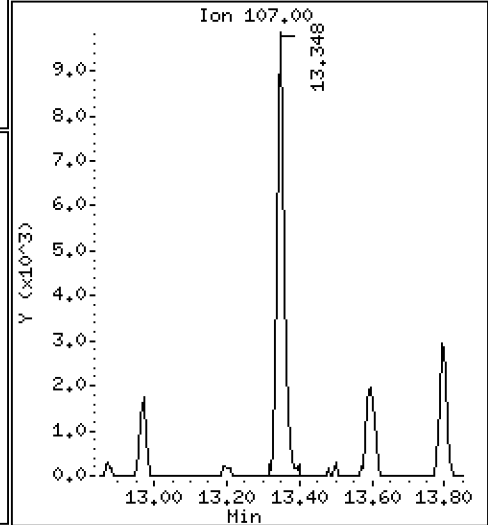
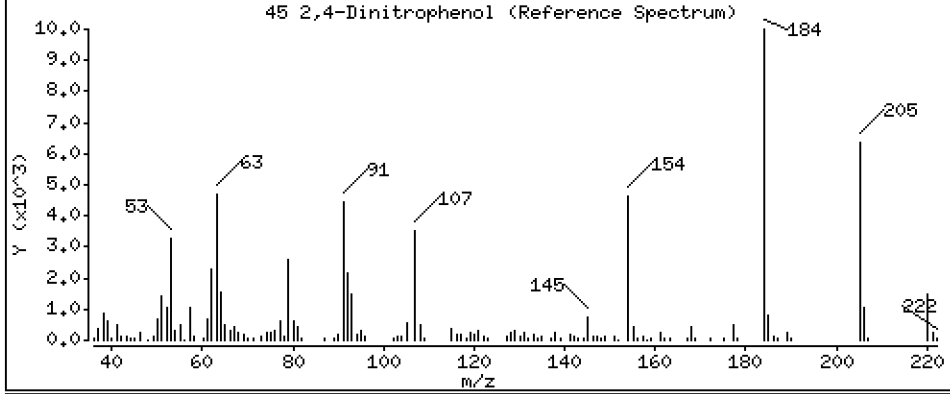
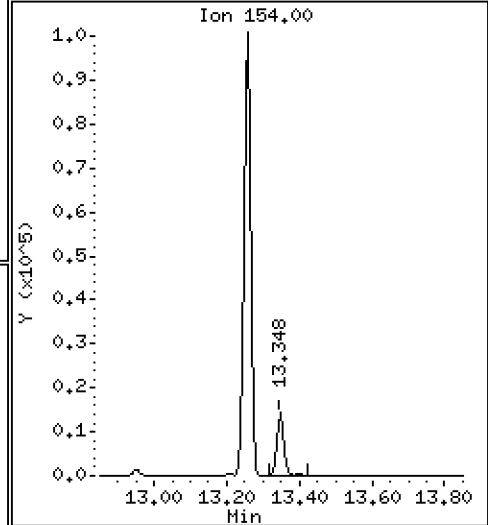
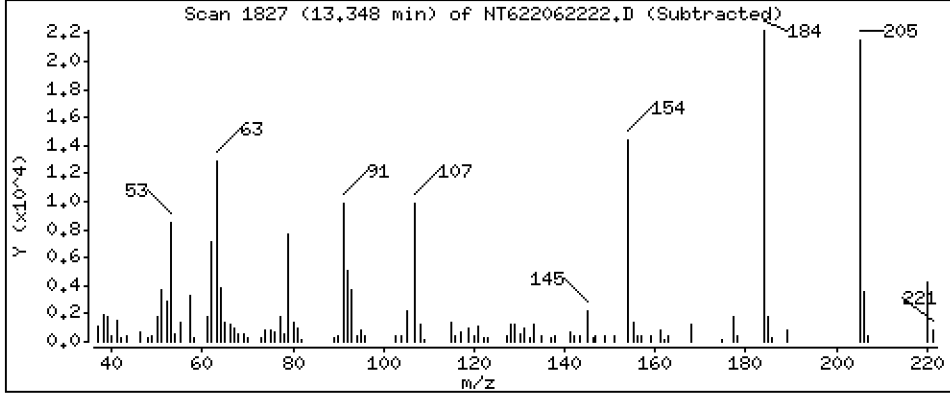
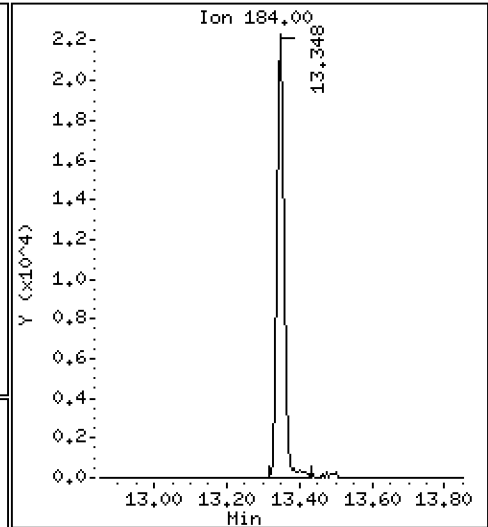
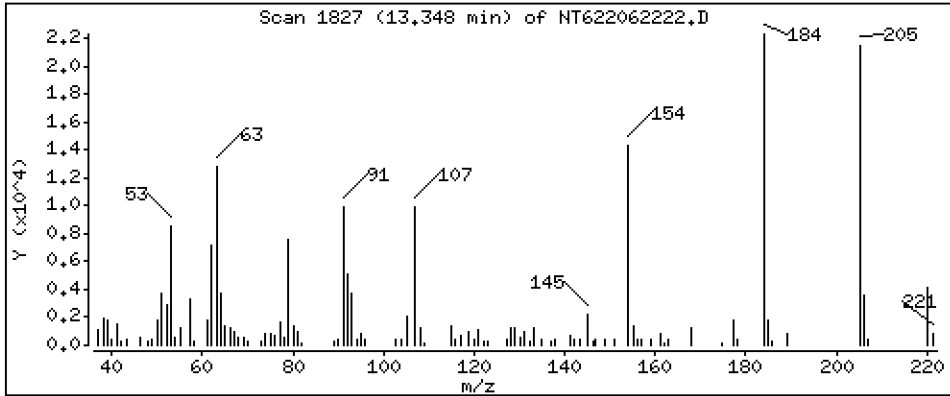
Operator: JZ

Column phase: ZB-5msi

Column diameter: 0.32

45 2,4-Dinitrophenol

Concentration: 35.88 ug/mL



Date : 22-JUN-2022 22:54

Client ID:

Instrument: nt6.i

Sample Info: CCV220622,

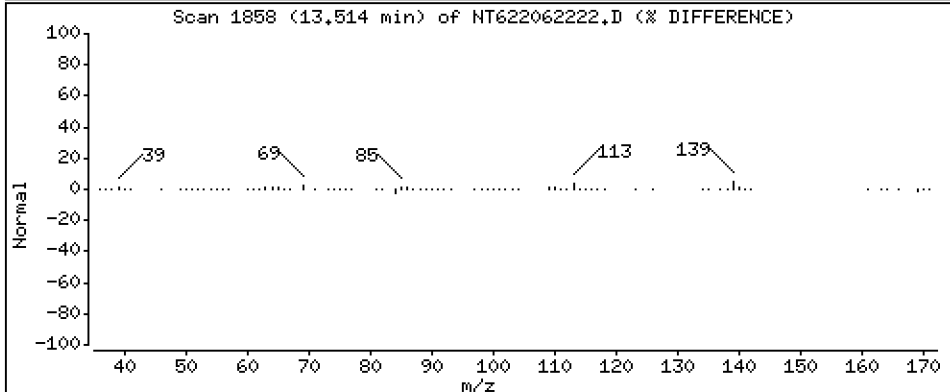
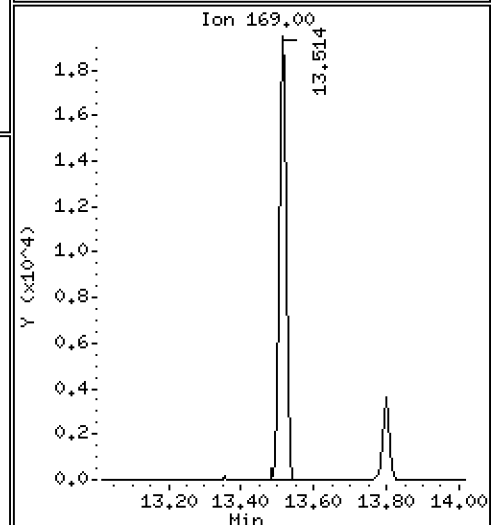
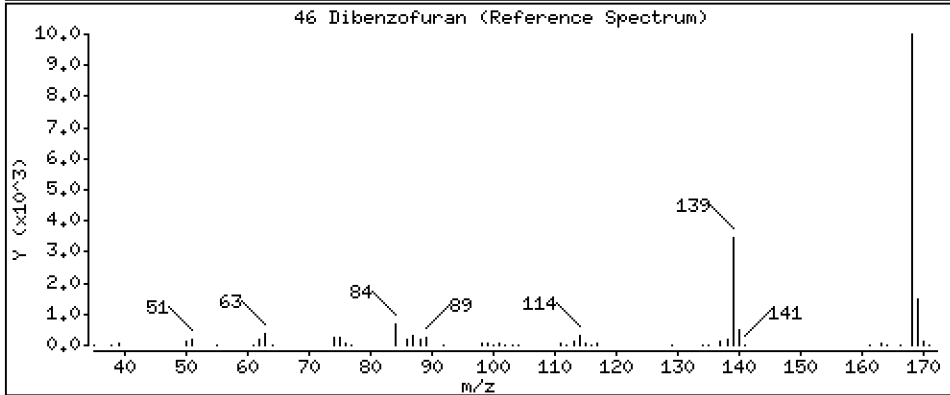
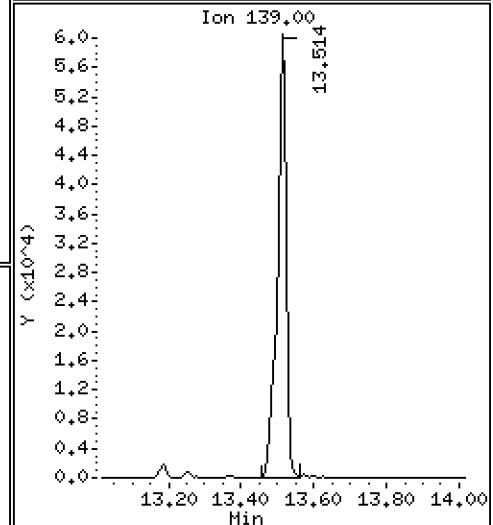
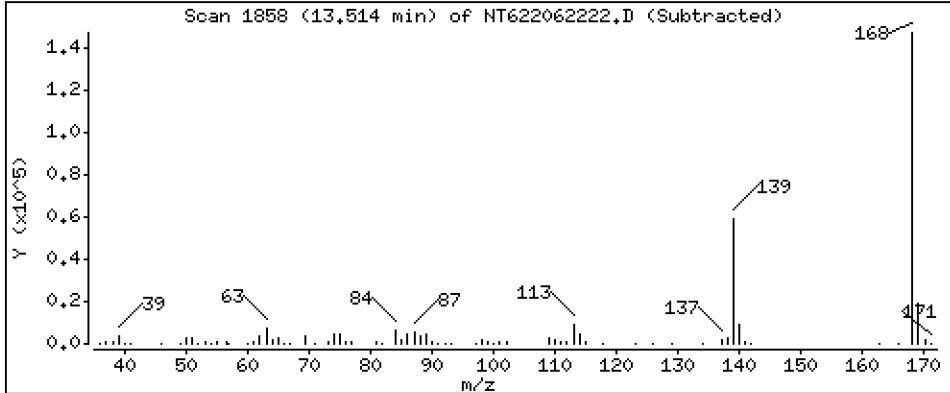
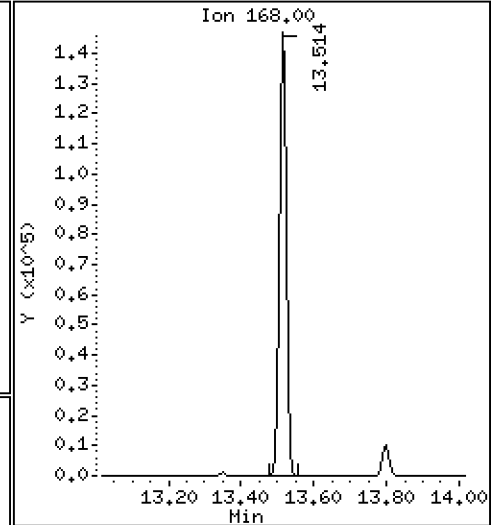
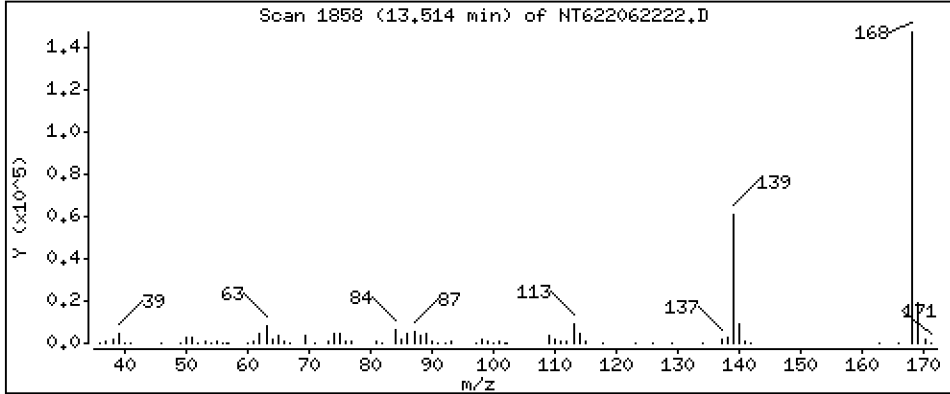
Operator: JZ

Column phase: ZB-5msi

Column diameter: 0,32

46 Dibenzofuran

Concentration: 24,23 ug/mL



Date : 22-JUN-2022 22:54

Client ID:

Instrument: nt6.i

Sample Info: CCV220622,

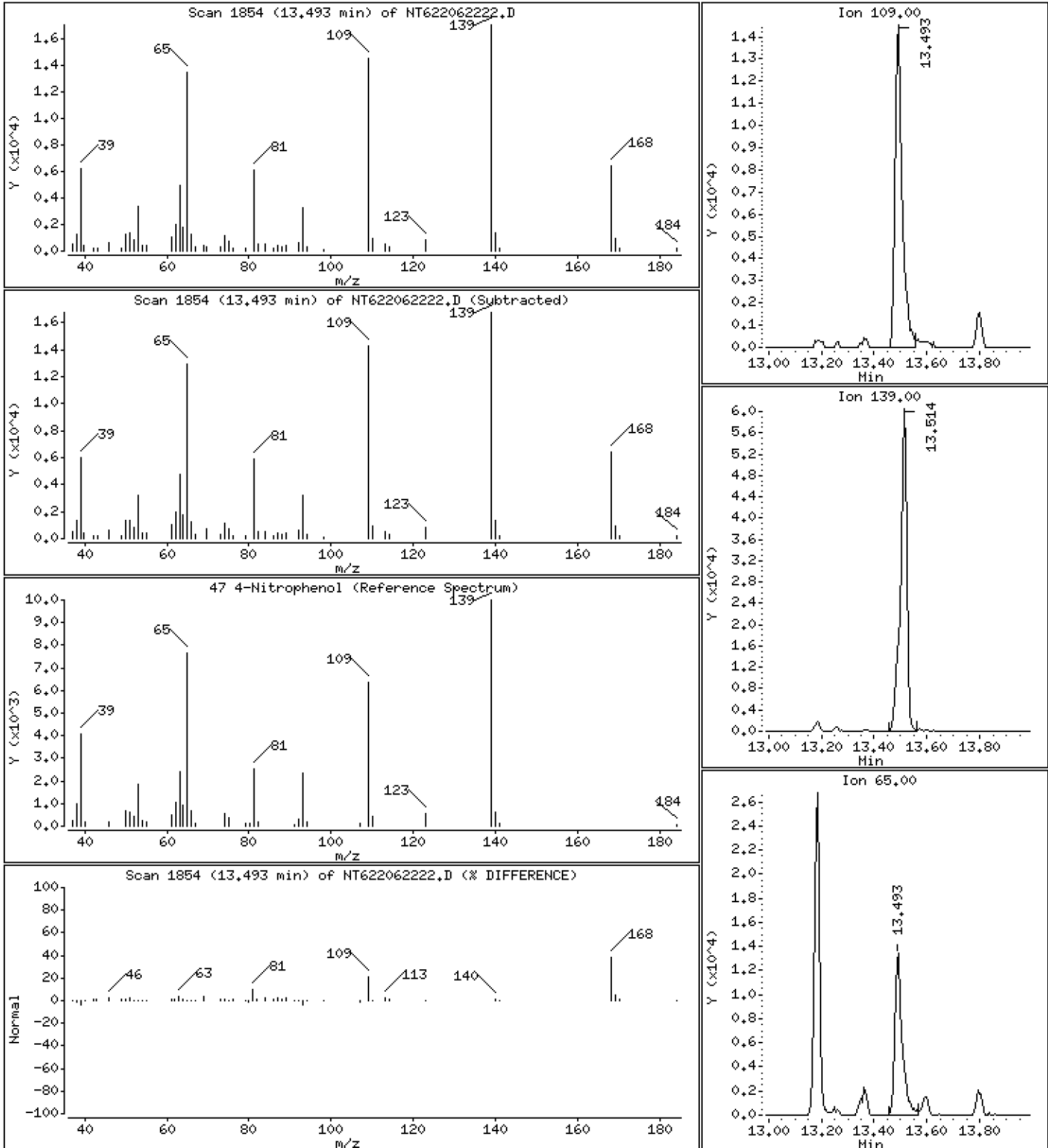
Operator: JZ

Column phase: ZB-5msi

Column diameter: 0.32

47 4-Nitrophenol

Concentration: 26.92 ug/mL



Date : 22-JUN-2022 22:54

Client ID:

Instrument: nt6.i

Sample Info: CCV220622,

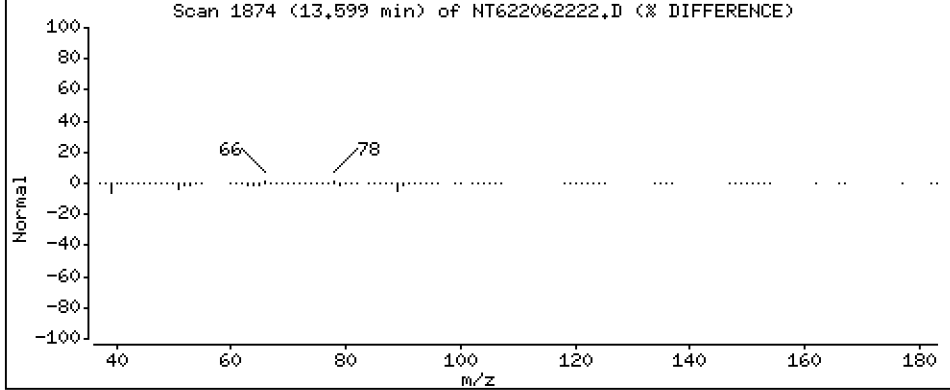
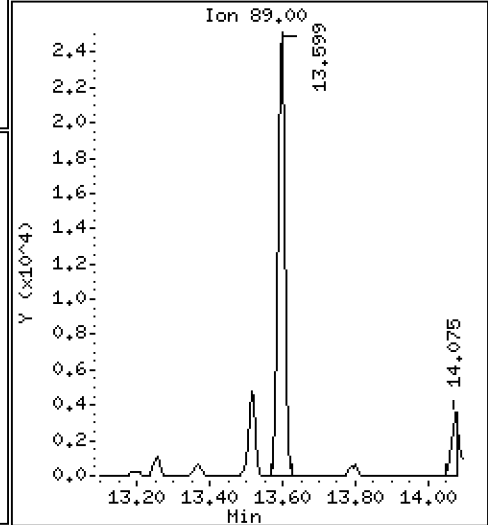
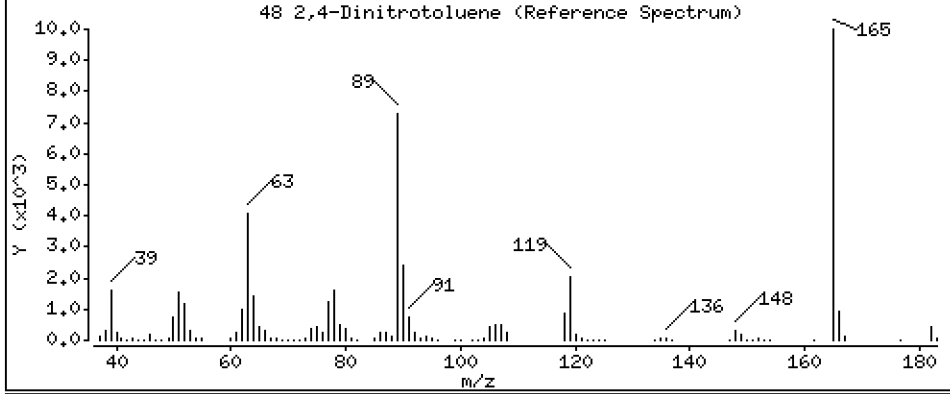
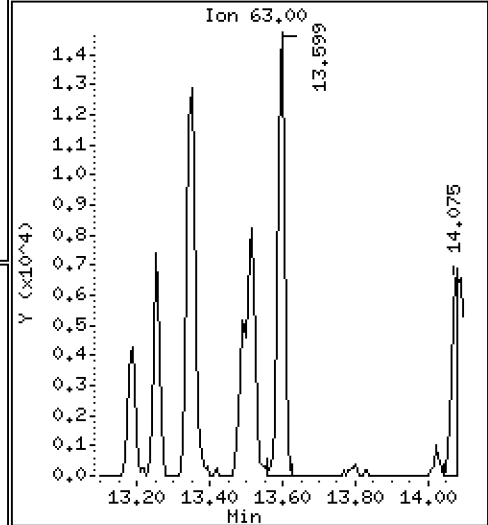
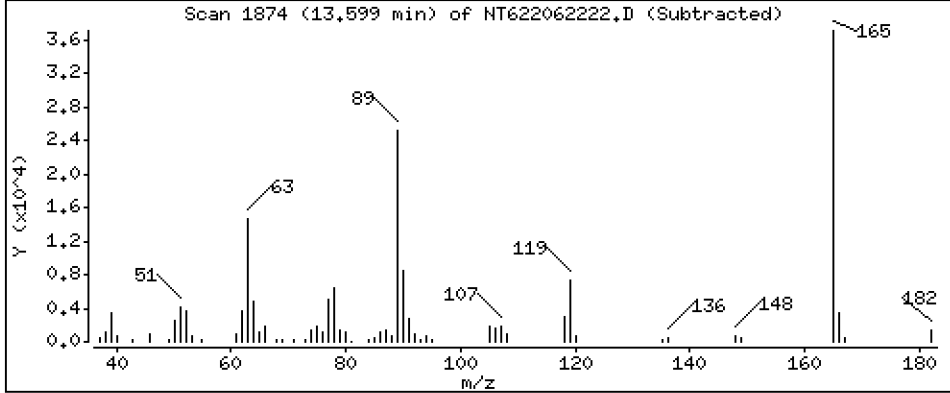
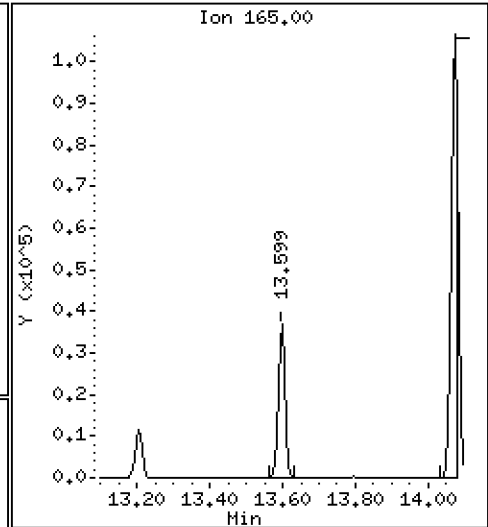
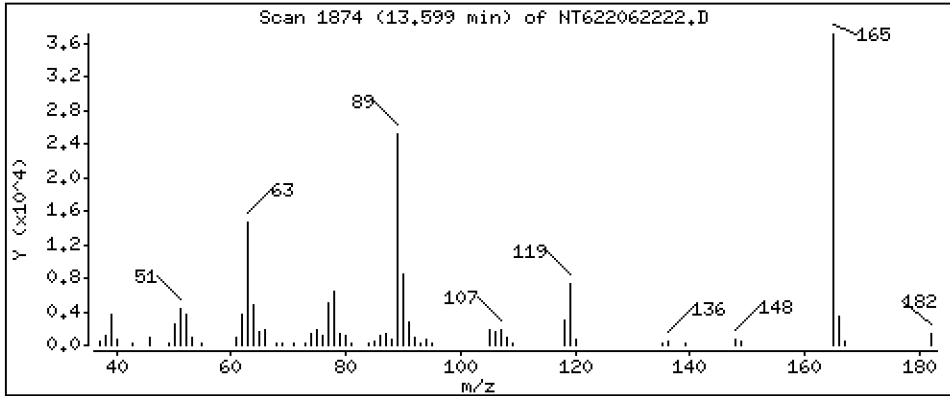
Operator: JZ

Column phase: ZB-5msi

Column diameter: 0.32

48 2,4-Dinitrotoluene

Concentration: 25.38 ug/mL



Date : 22-JUN-2022 22:54

Client ID:

Instrument: nt6.i

Sample Info: CCV220622,

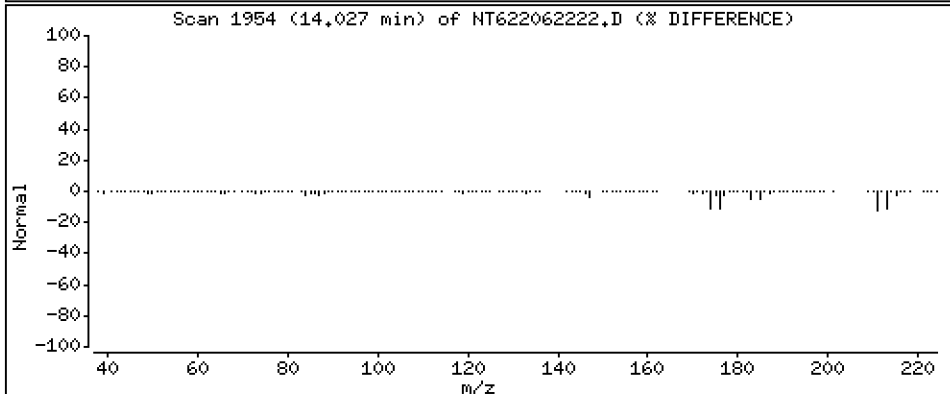
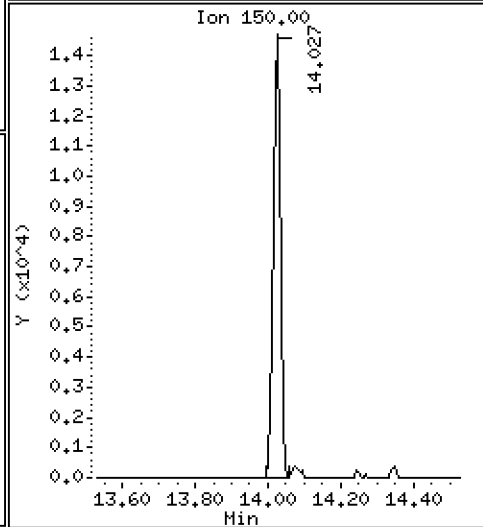
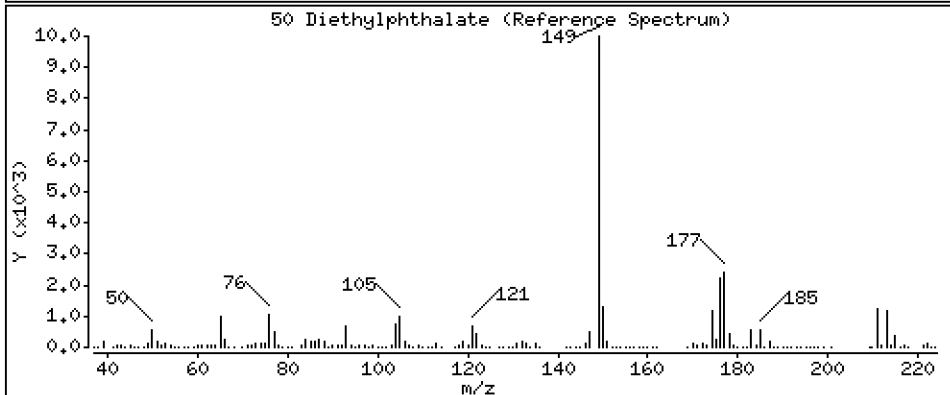
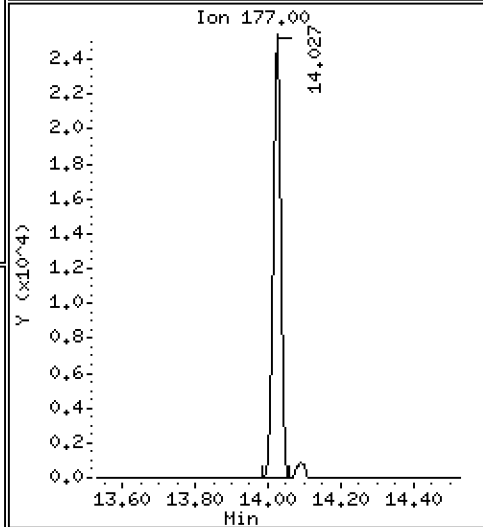
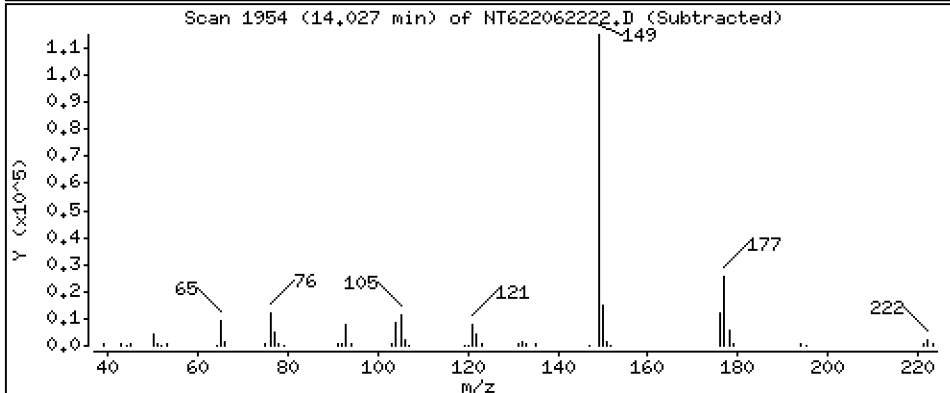
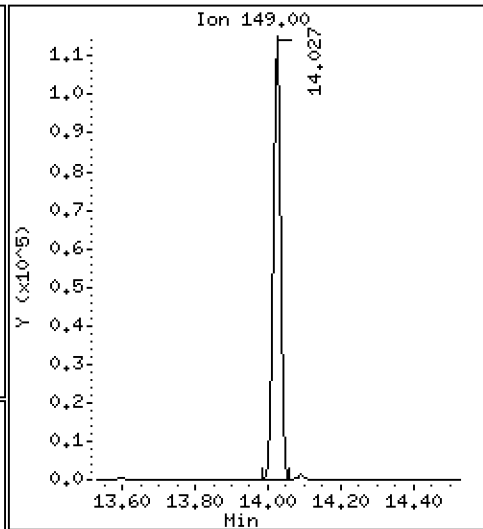
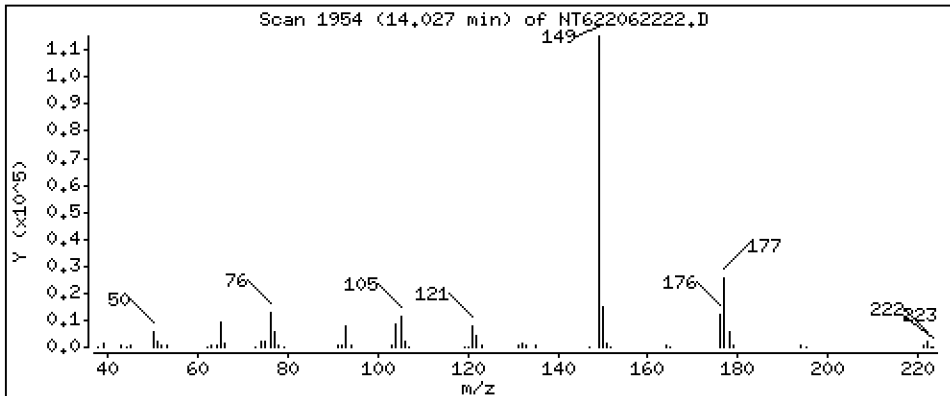
Operator: JZ

Column phase: ZB-5msi

Column diameter: 0.32

50 Diethylphthalate

Concentration: 26.33 ug/mL



Date : 22-JUN-2022 22:54

Client ID:

Instrument: nt6.i

Sample Info: CCV220622,

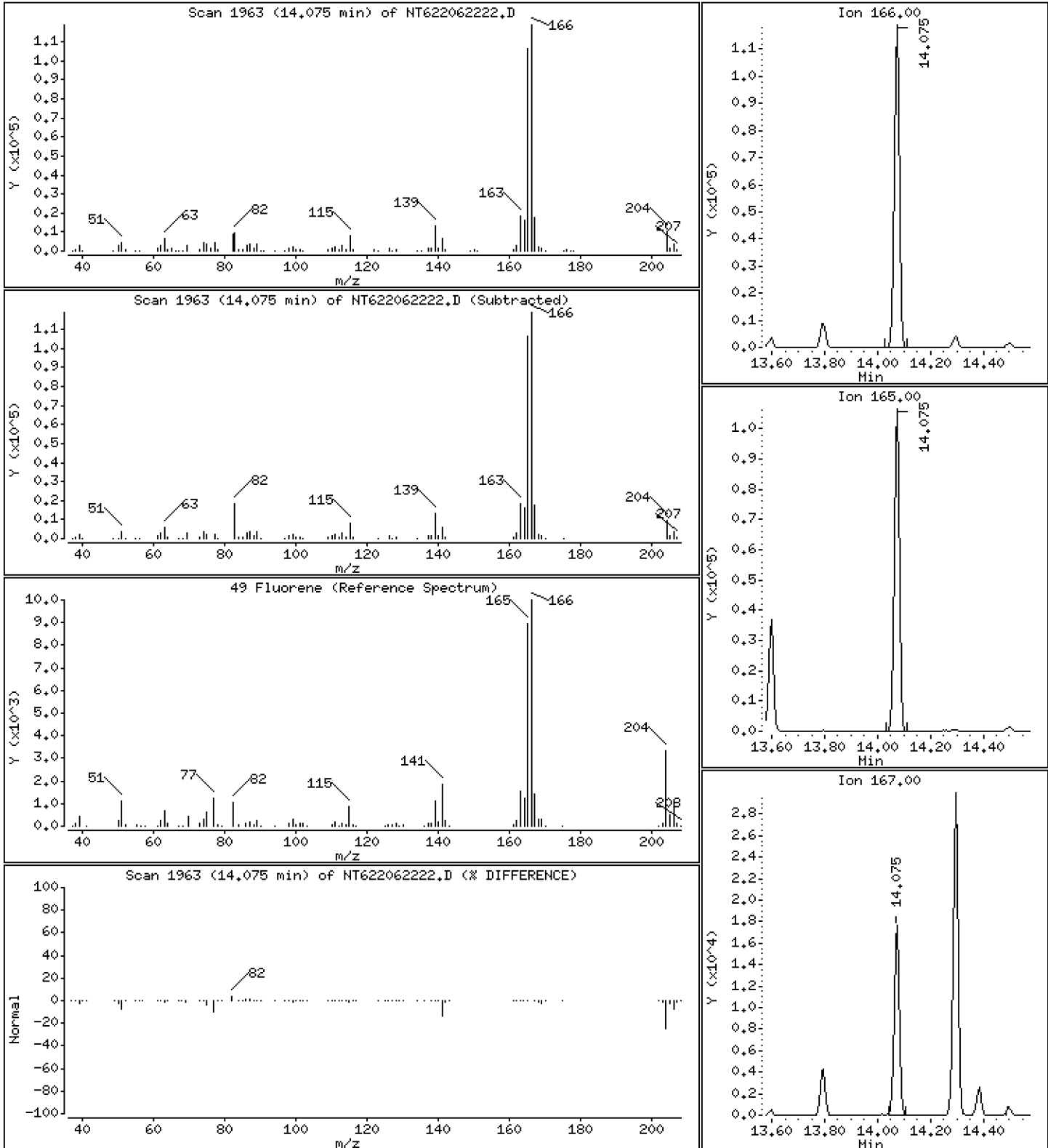
Operator: JZ

Column phase: ZB-5msi

Column diameter: 0.32

49 Fluorene

Concentration: 24.68 ug/mL



Date : 22-JUN-2022 22:54

Client ID:

Instrument: nt6.i

Sample Info: CCV220622,

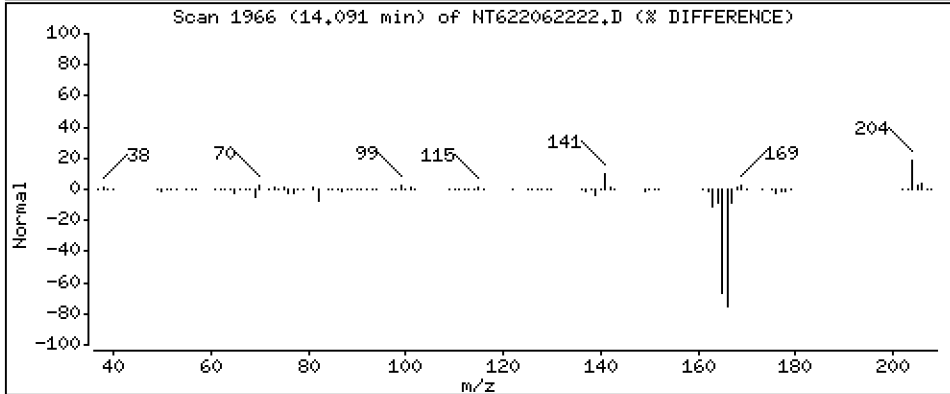
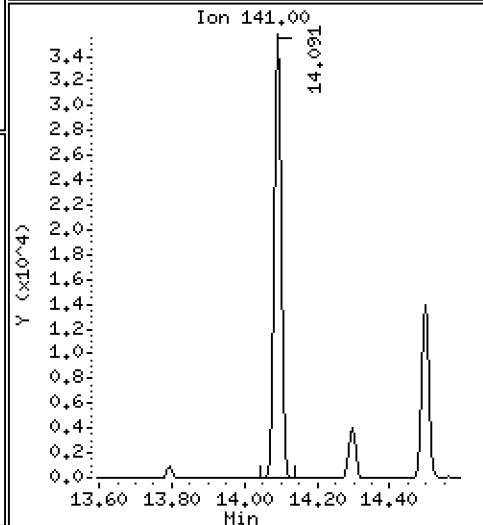
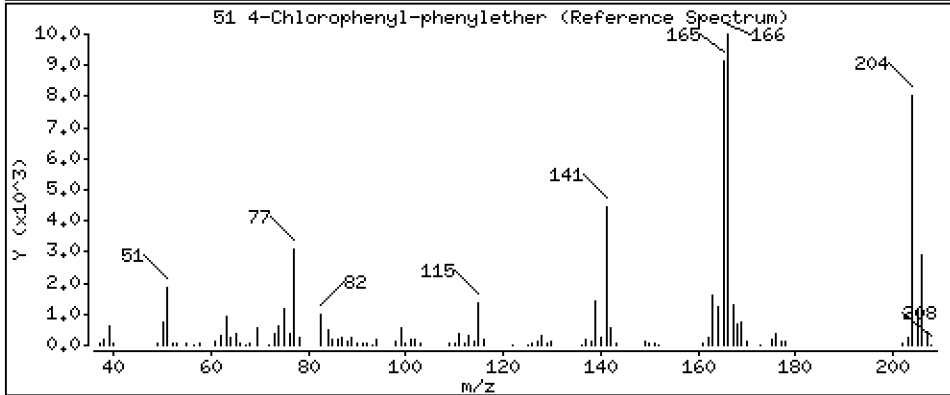
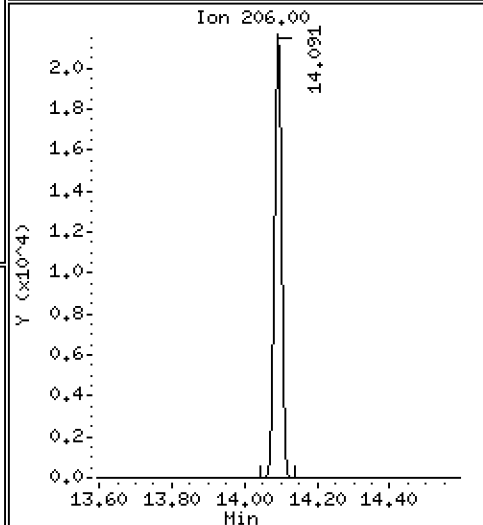
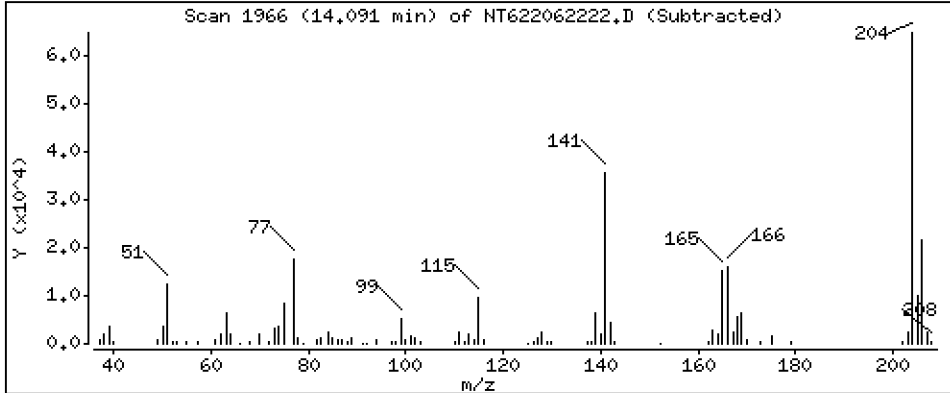
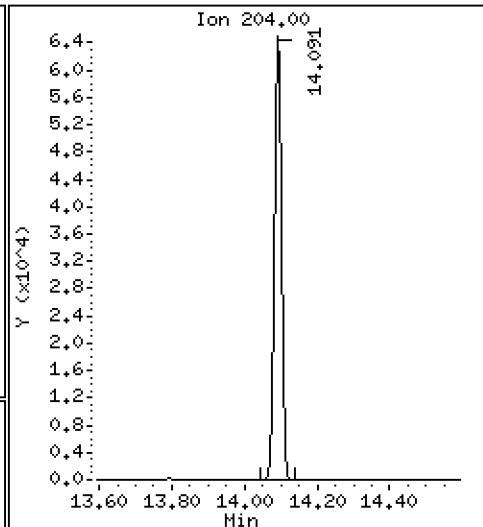
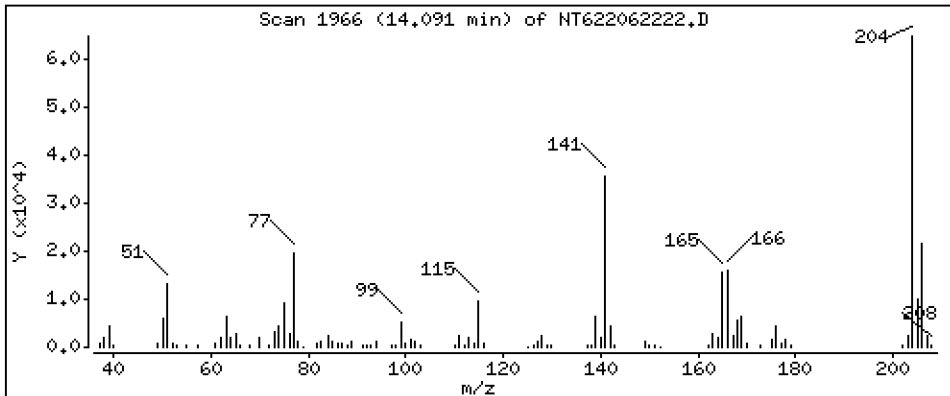
Operator: JZ

Column phase: ZB-5msi

Column diameter: 0.32

51 4-Chlorophenyl-phenylether

Concentration: 24.37 ug/mL



Date : 22-JUN-2022 22:54

Client ID:

Instrument: nt6.i

Sample Info: CCV220622,

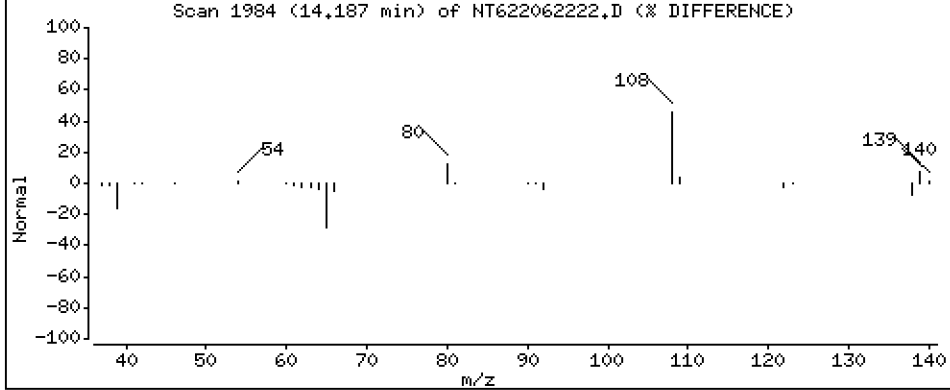
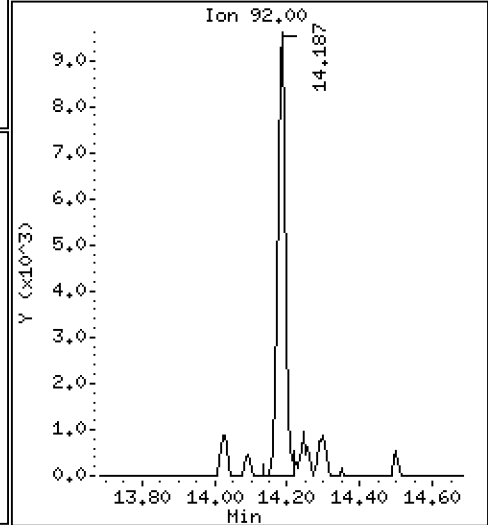
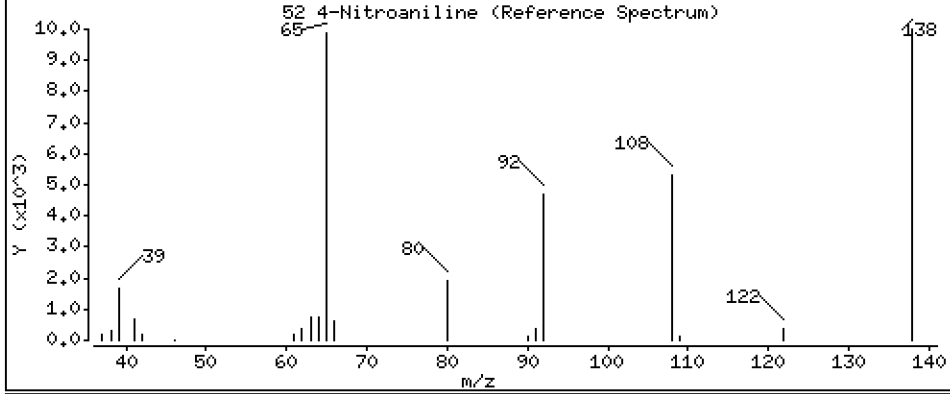
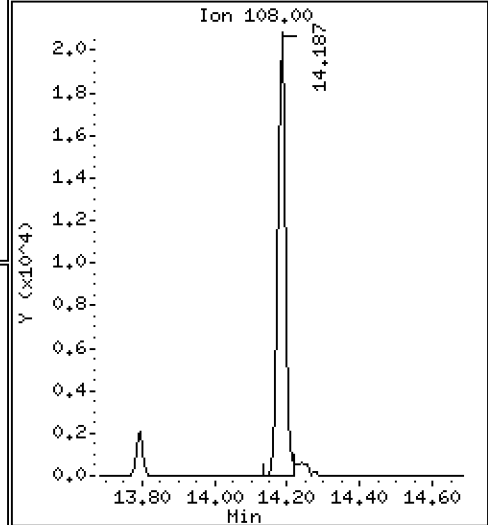
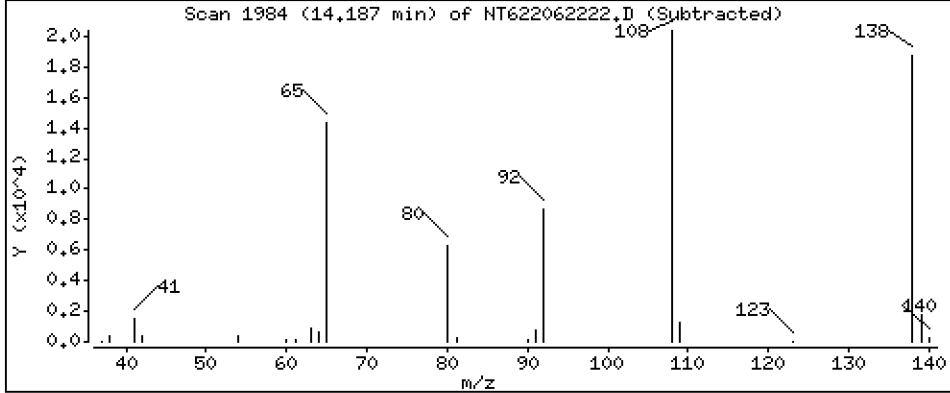
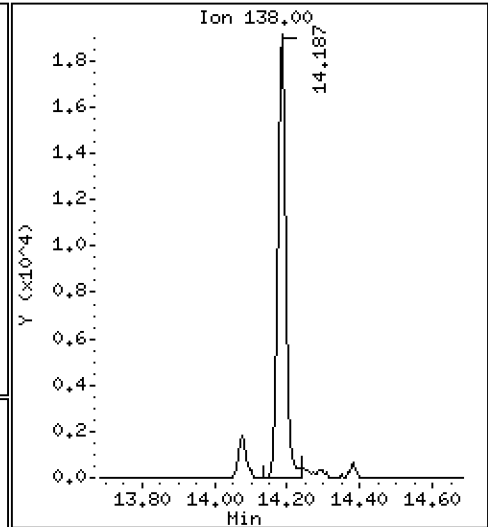
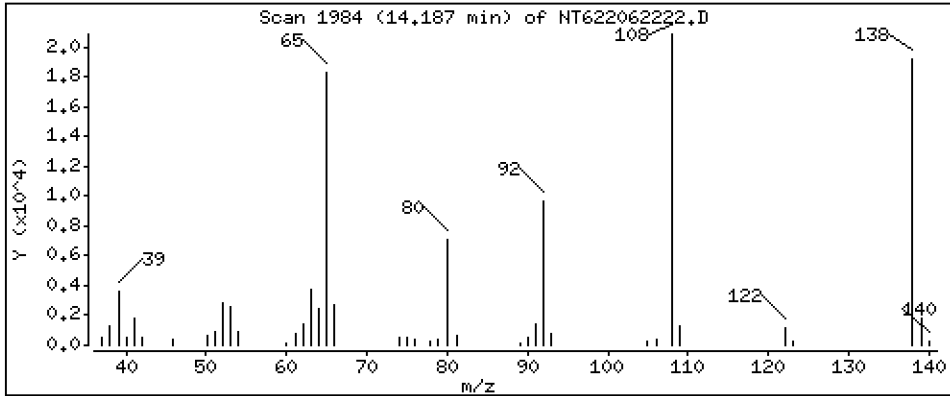
Operator: JZ

Column phase: ZB-5msi

Column diameter: 0.32

52 4-Nitroaniline

Concentration: 23.01 ug/mL



Date : 22-JUN-2022 22:54

Client ID:

Instrument: nt6.i

Sample Info: CCV220622,

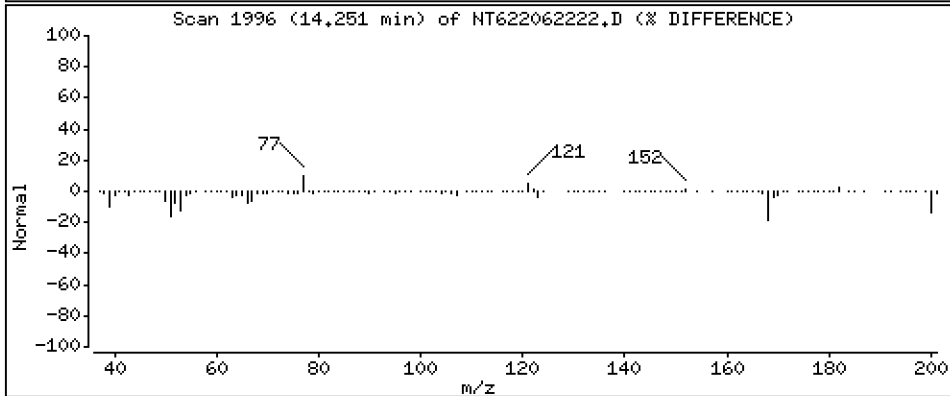
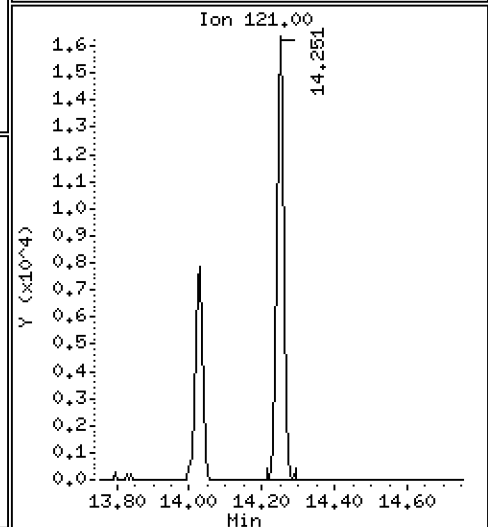
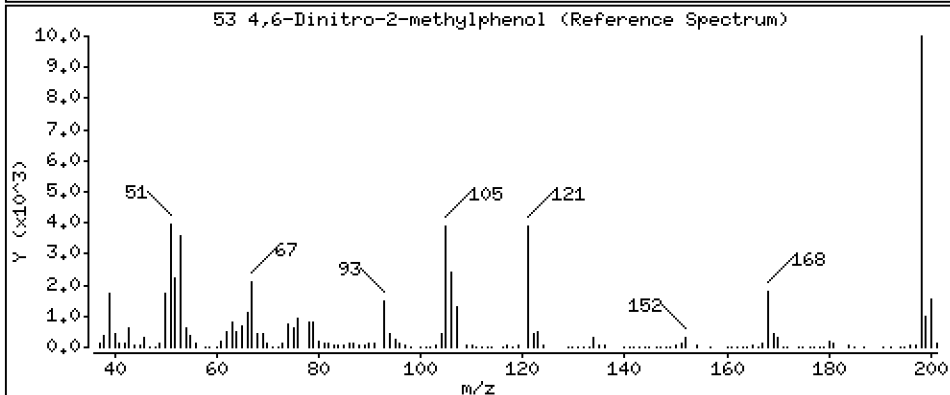
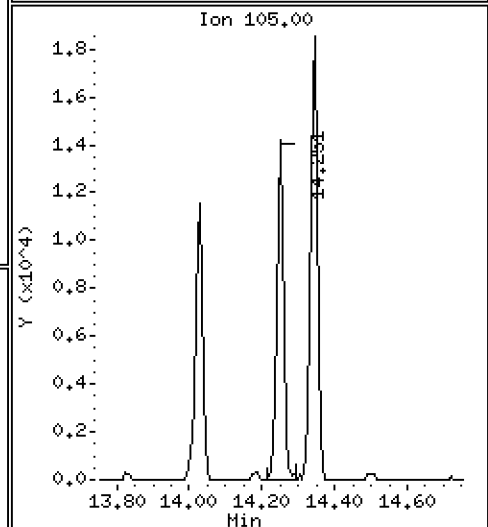
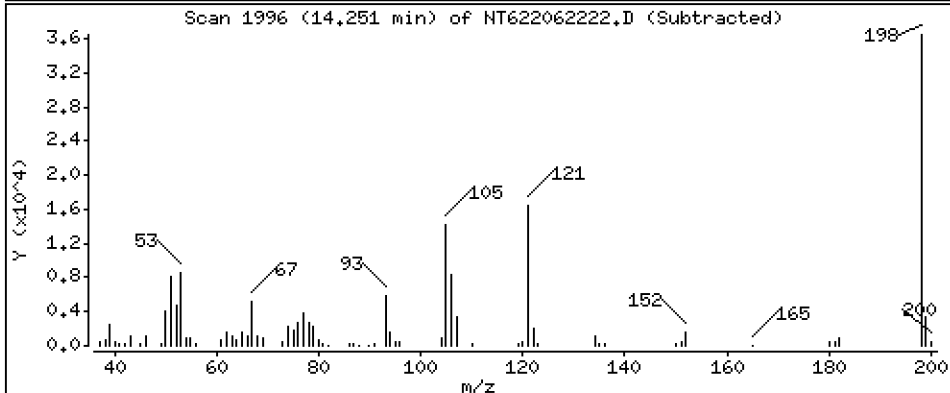
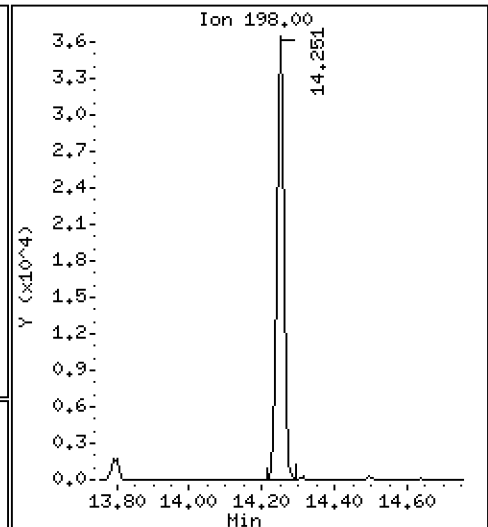
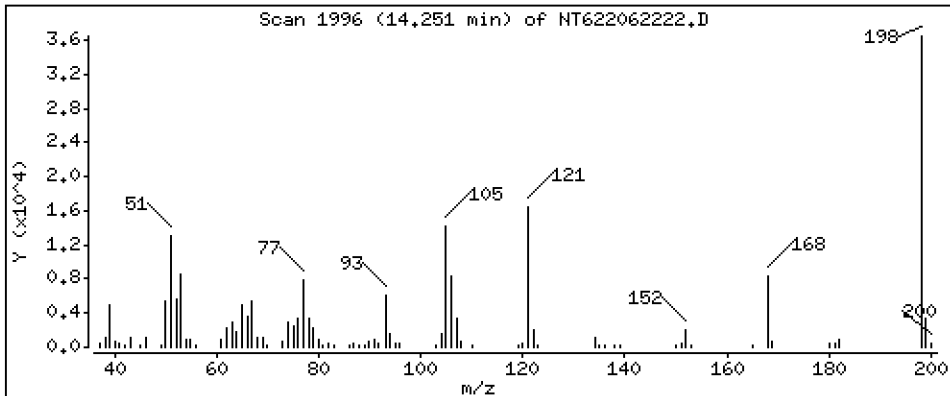
Operator: JZ

Column phase: ZB-5msi

Column diameter: 0.32

53 4,6-Dinitro-2-methylphenol

Concentration: 40.04 ug/mL



Date : 22-JUN-2022 22:54

Client ID:

Instrument: nt6.i

Sample Info: CCV220622,

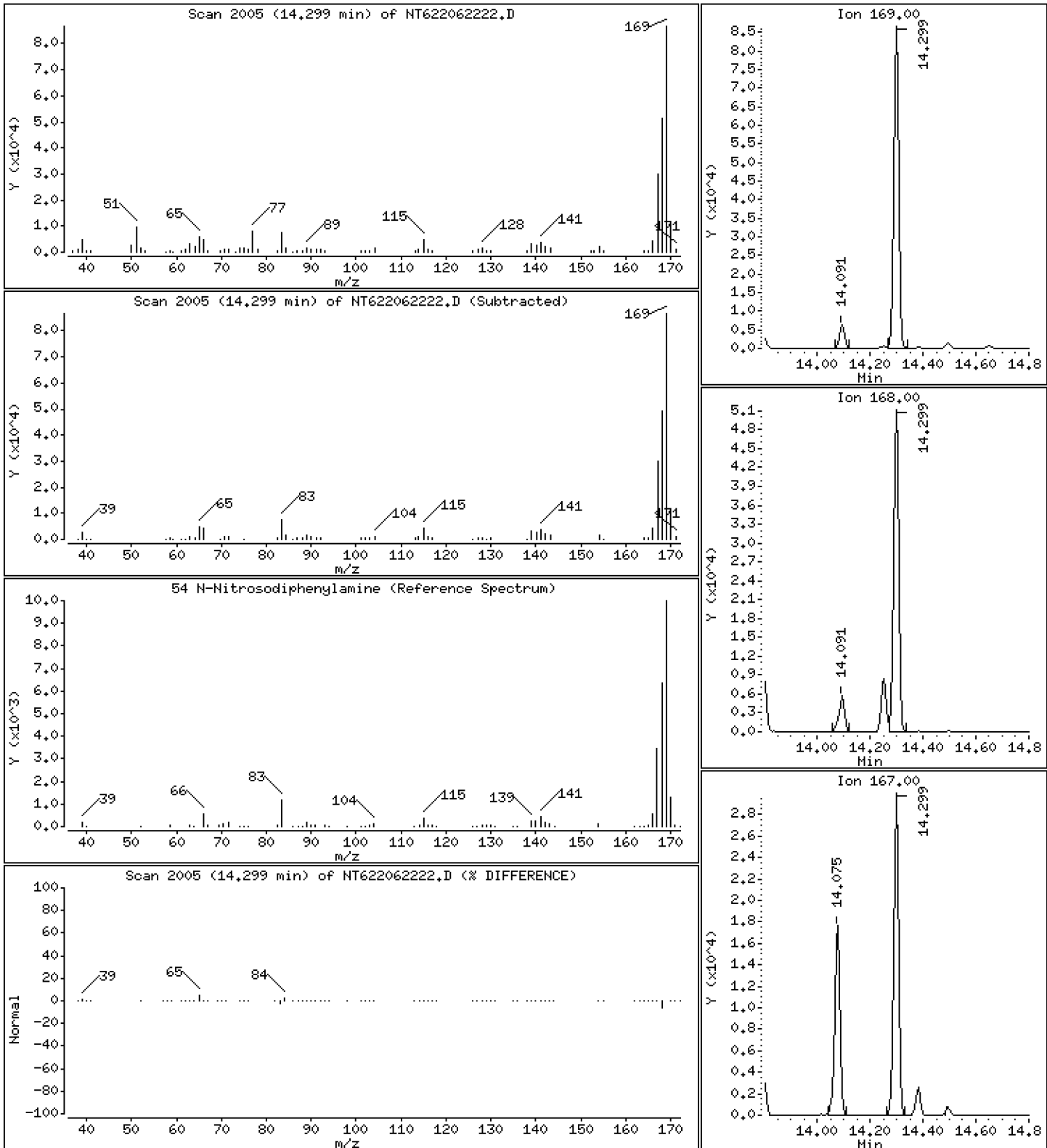
Operator: JZ

Column phase: ZB-5msi

Column diameter: 0.32

54 N-Nitrosodiphenylamine

Concentration: 22.91 ug/mL



Date : 22-JUN-2022 22:54

Client ID:

Instrument: nt6.i

Sample Info: CCV220622,

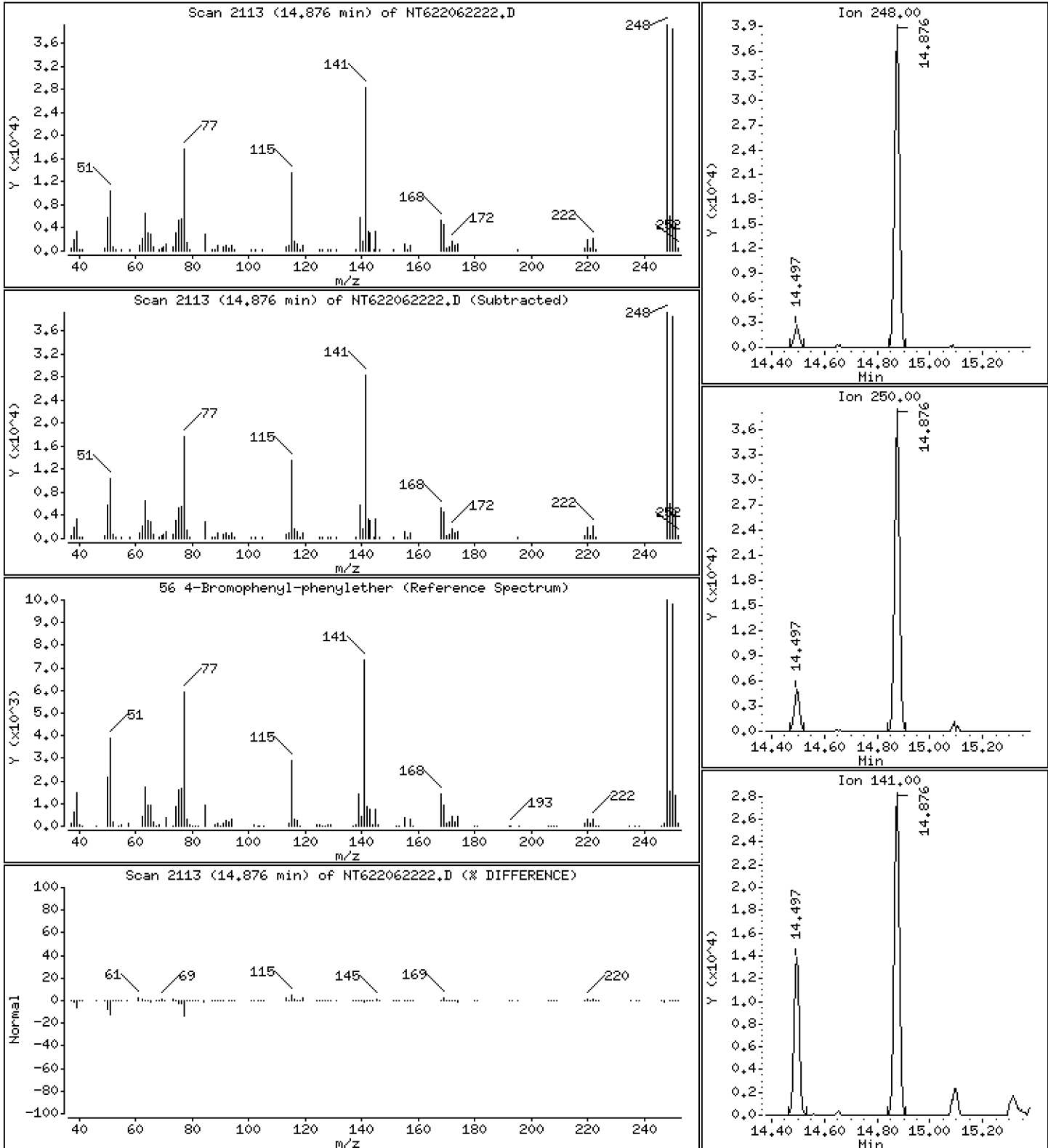
Operator: JZ

Column phase: ZB-5msi

Column diameter: 0.32

56 4-Bromophenyl-phenylether

Concentration: 23.94 ug/mL



Date : 22-JUN-2022 22:54

Client ID:

Instrument: nt6.i

Sample Info: CCV220622,

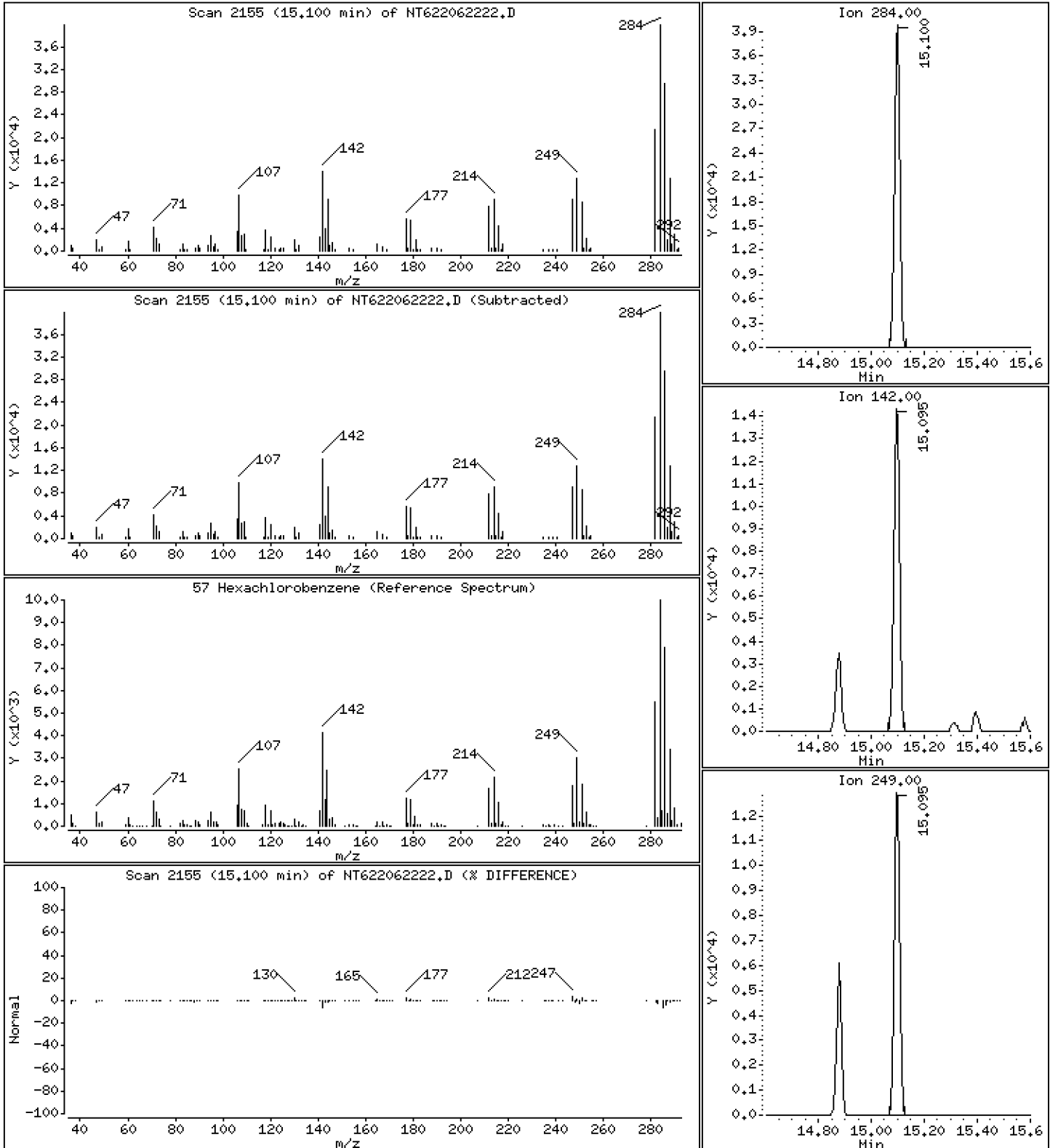
Operator: JZ

Column phase: ZB-5msi

Column diameter: 0,32

57 Hexachlorobenzene

Concentration: 24,15 ug/mL



Date : 22-JUN-2022 22:54

Client ID:

Instrument: nt6.i

Sample Info: CCV220622,

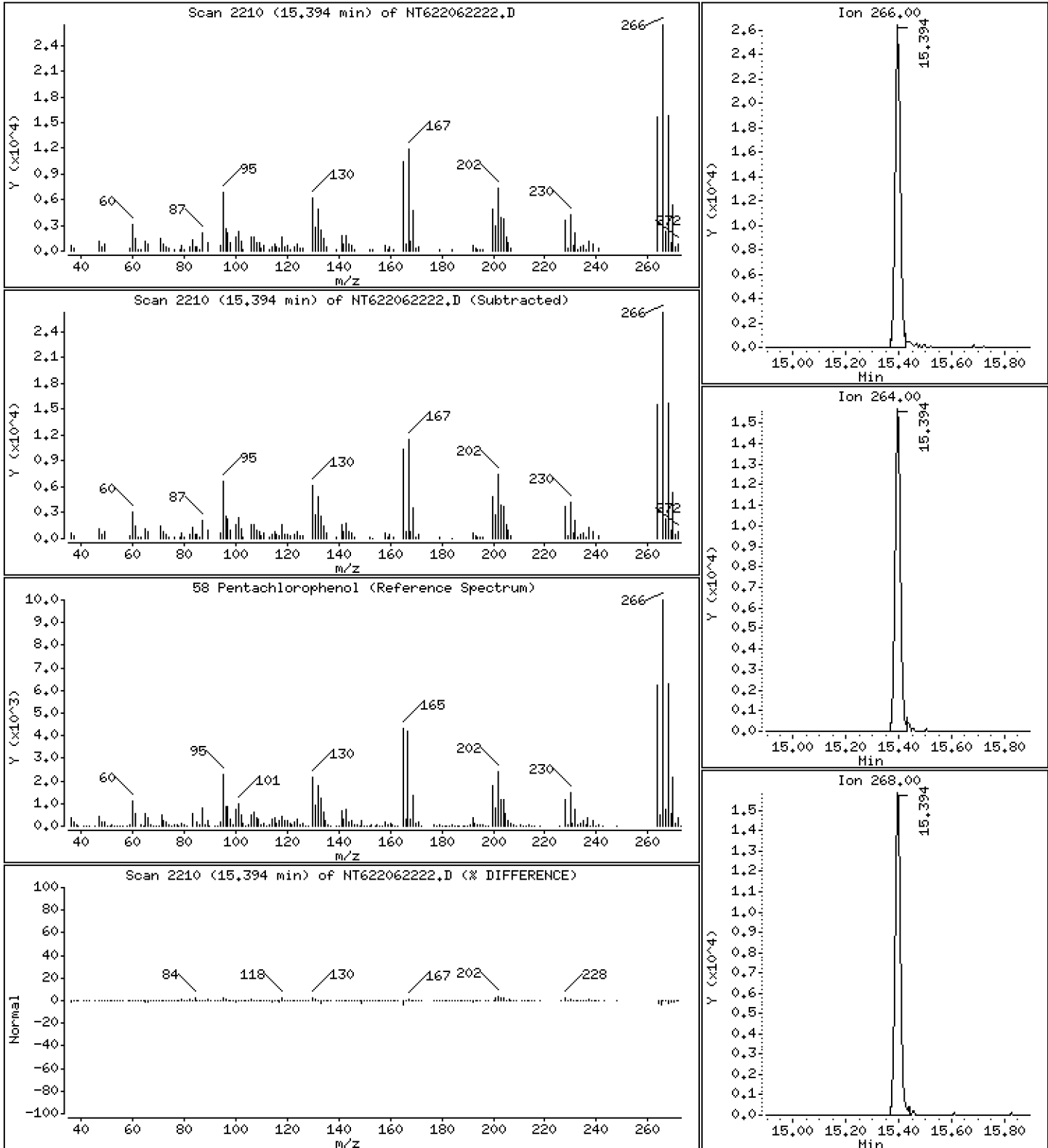
Operator: JZ

Column phase: ZB-5msi

Column diameter: 0,32

58 Pentachlorophenol

Concentration: 23,36 ug/mL



Date : 22-JUN-2022 22:54

Client ID:

Instrument: nt6.i

Sample Info: CCV220622,

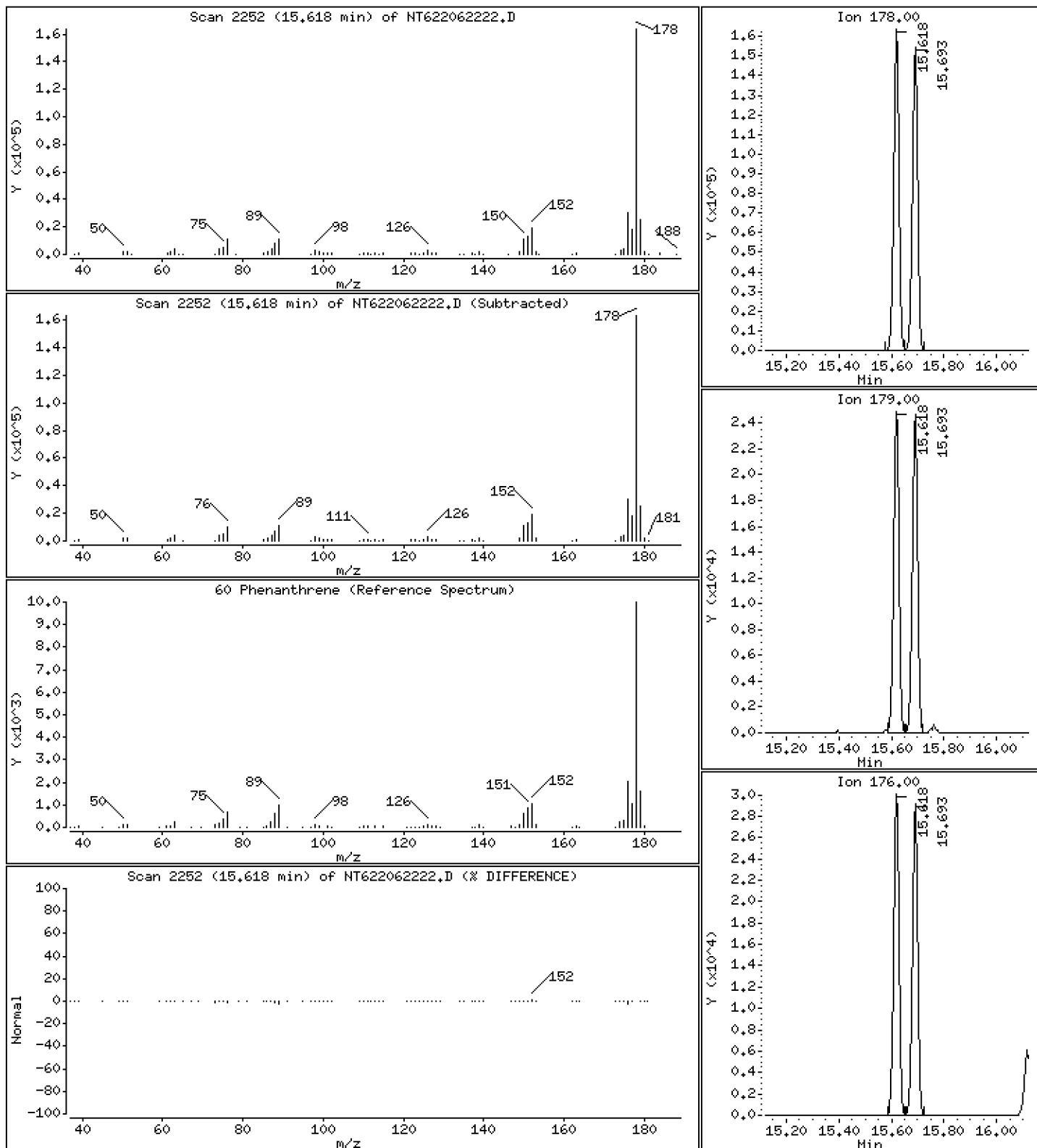
Operator: JZ

Column phase: ZB-5msi

Column diameter: 0.32

60 Phenanthrene

Concentration: 24.07 ug/mL



Date : 22-JUN-2022 22:54

Client ID:

Instrument: nt6.i

Sample Info: CCV220622,

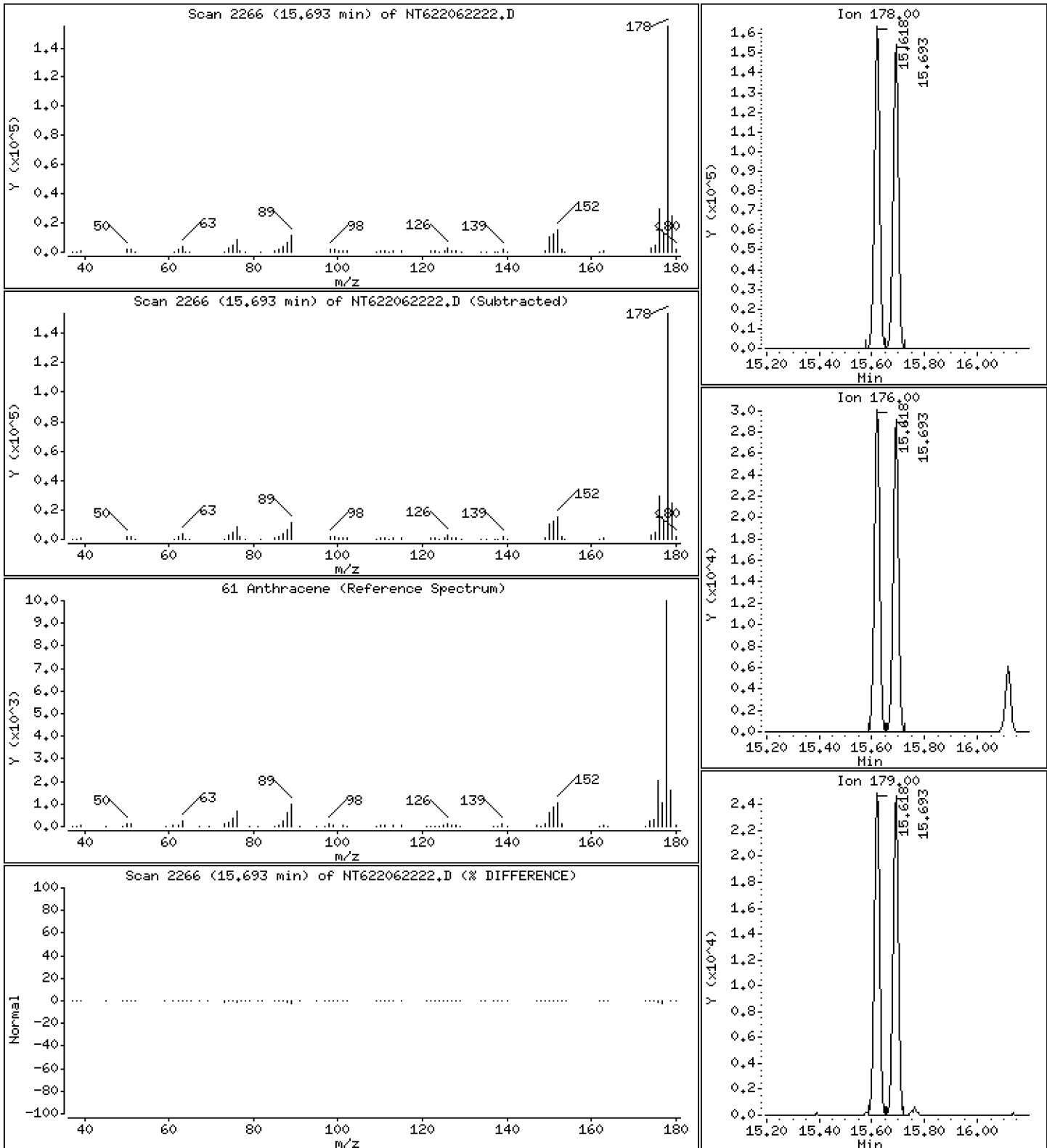
Operator: JZ

Column phase: ZB-5msi

Column diameter: 0.32

61 Anthracene

Concentration: 23.05 ug/mL



Date : 22-JUN-2022 22:54

Client ID:

Instrument: nt6.i

Sample Info: CCV220622,

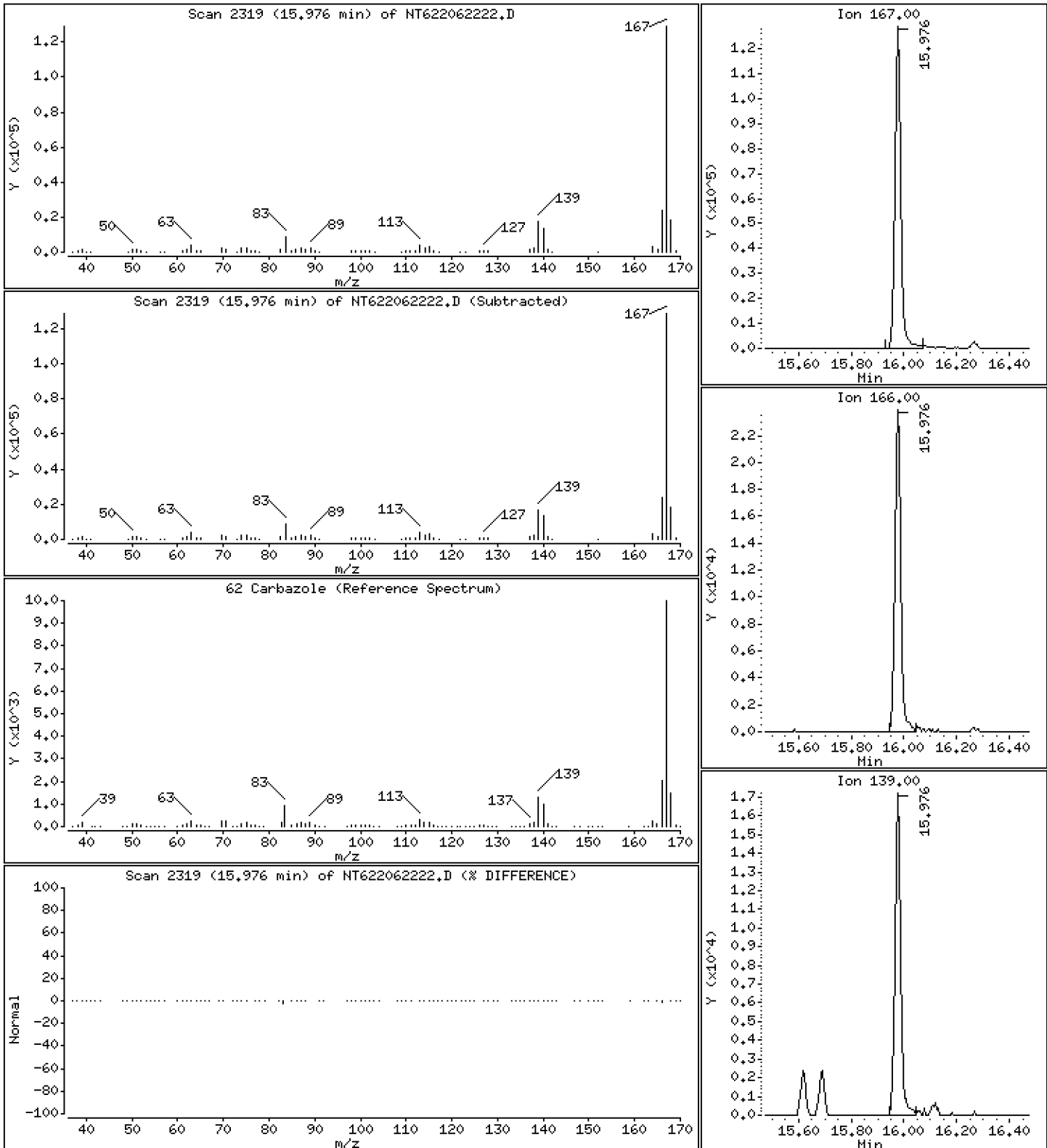
Operator: JZ

Column phase: ZB-5msi

Column diameter: 0,32

62 Carbazole

Concentration: 24,67 ug/mL



Date : 22-JUN-2022 22:54

Client ID:

Instrument: nt6.i

Sample Info: CCV220622,

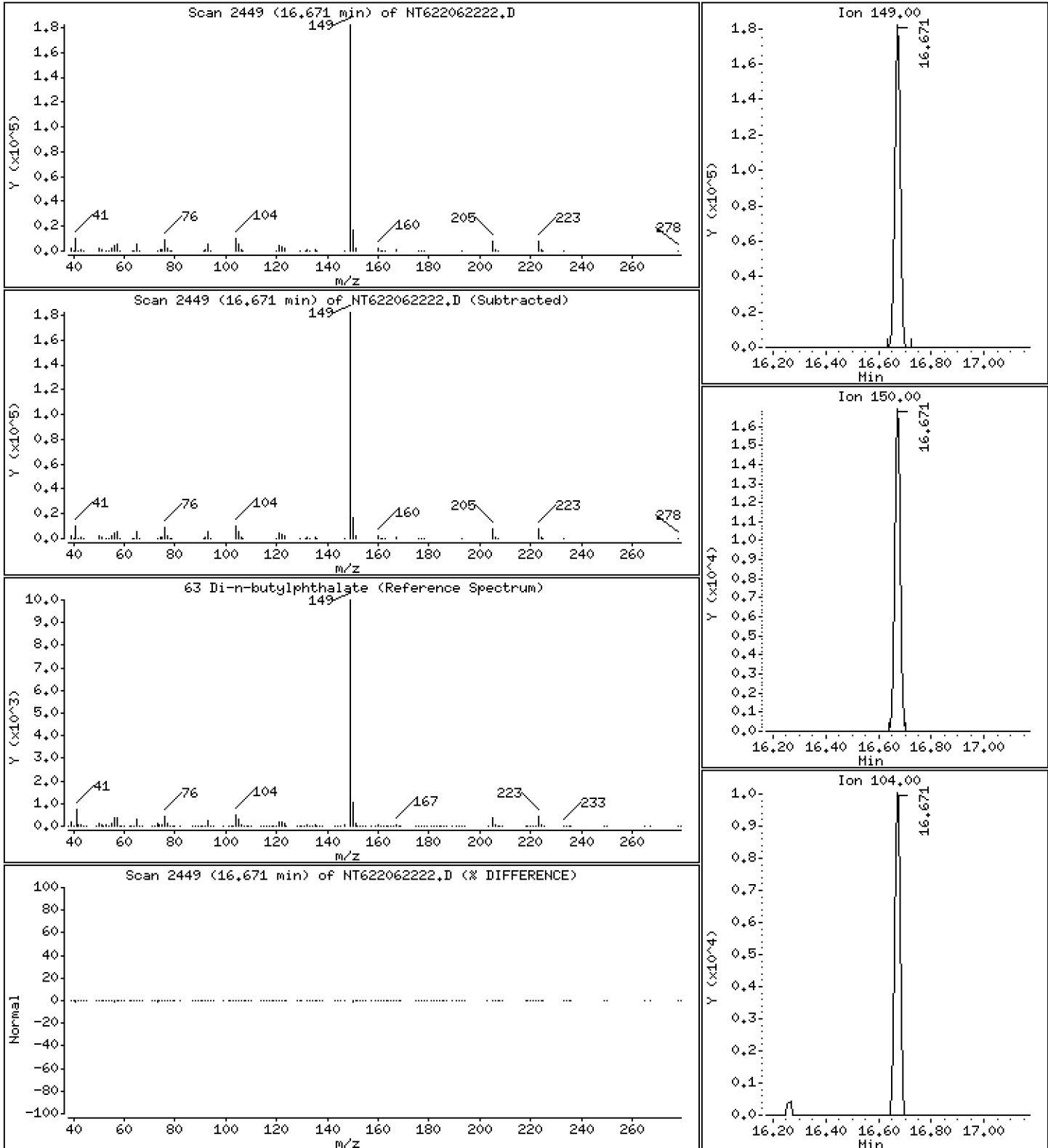
Operator: JZ

Column phase: ZB-5msi

Column diameter: 0.32

63 Di-n-butylphthalate

Concentration: 26.49 ug/mL



Date : 22-JUN-2022 22:54

Client ID:

Instrument: nt6.i

Sample Info: CCV220622,

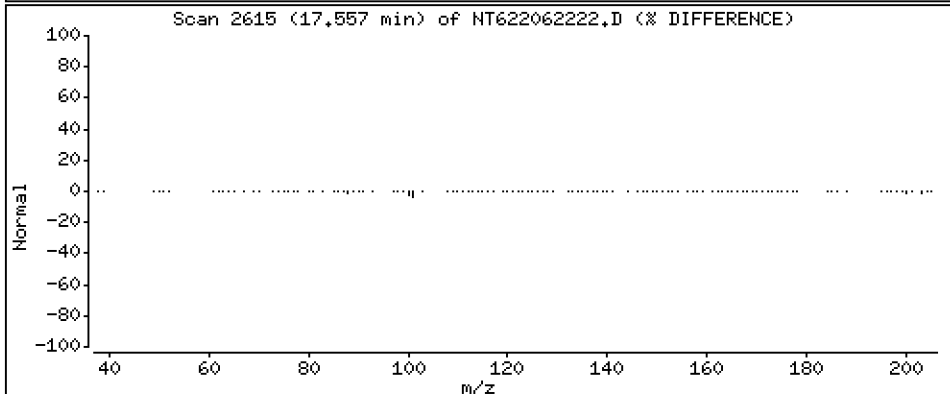
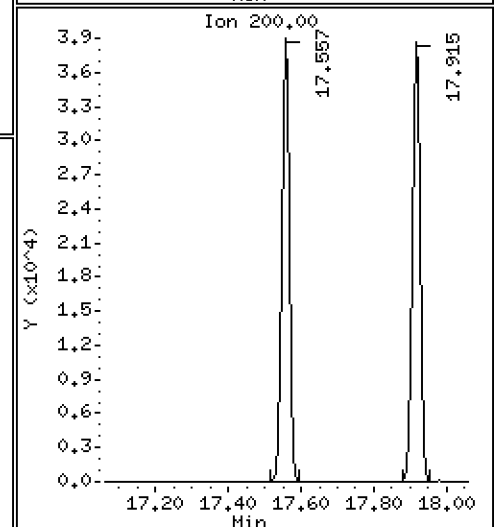
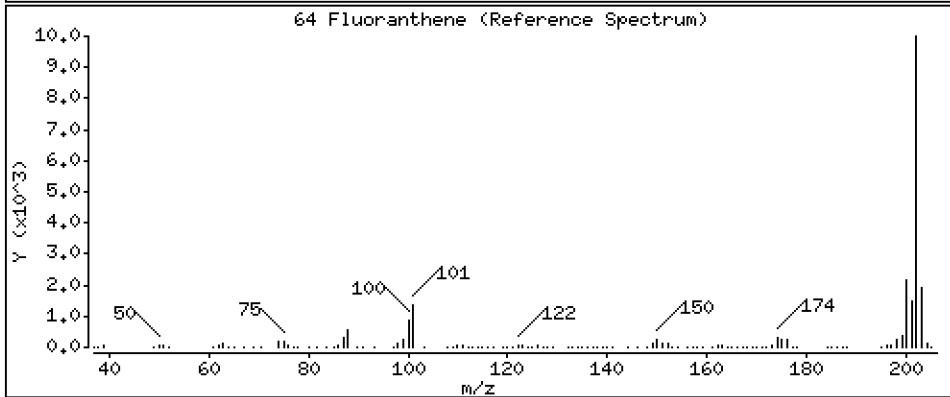
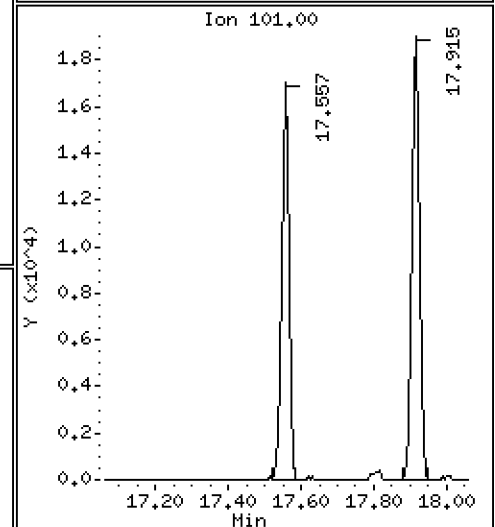
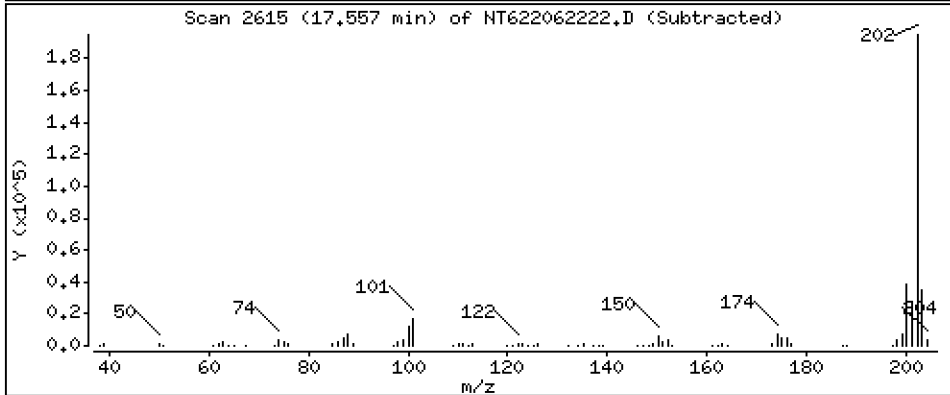
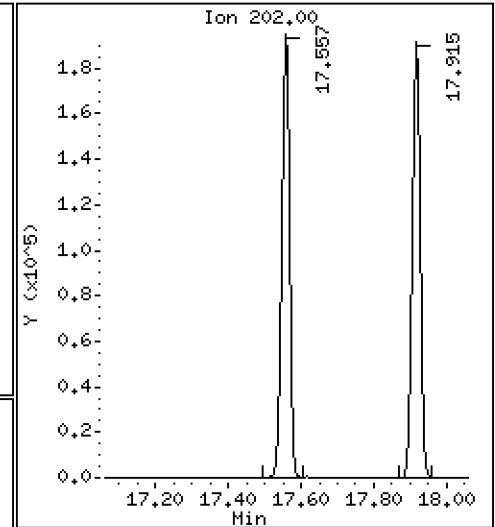
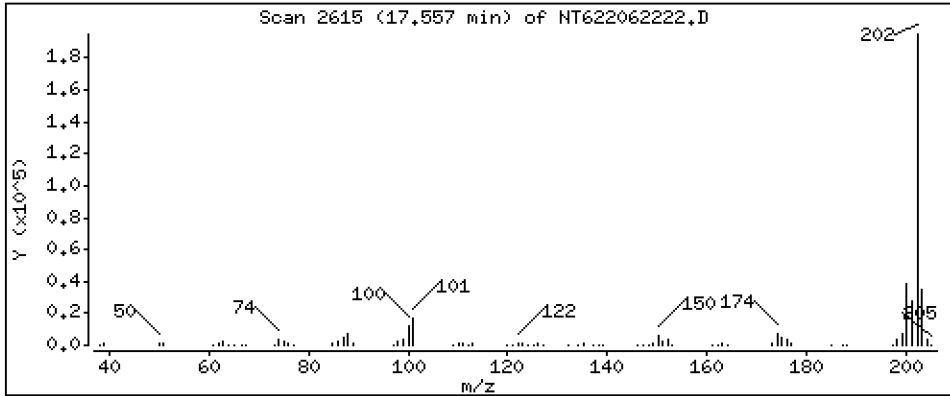
Operator: JZ

Column phase: ZB-5msi

Column diameter: 0.32

64 Fluoranthene

Concentration: 27.59 ug/mL



Date : 22-JUN-2022 22:54

Client ID:

Instrument: nt6.i

Sample Info: CCV220622,

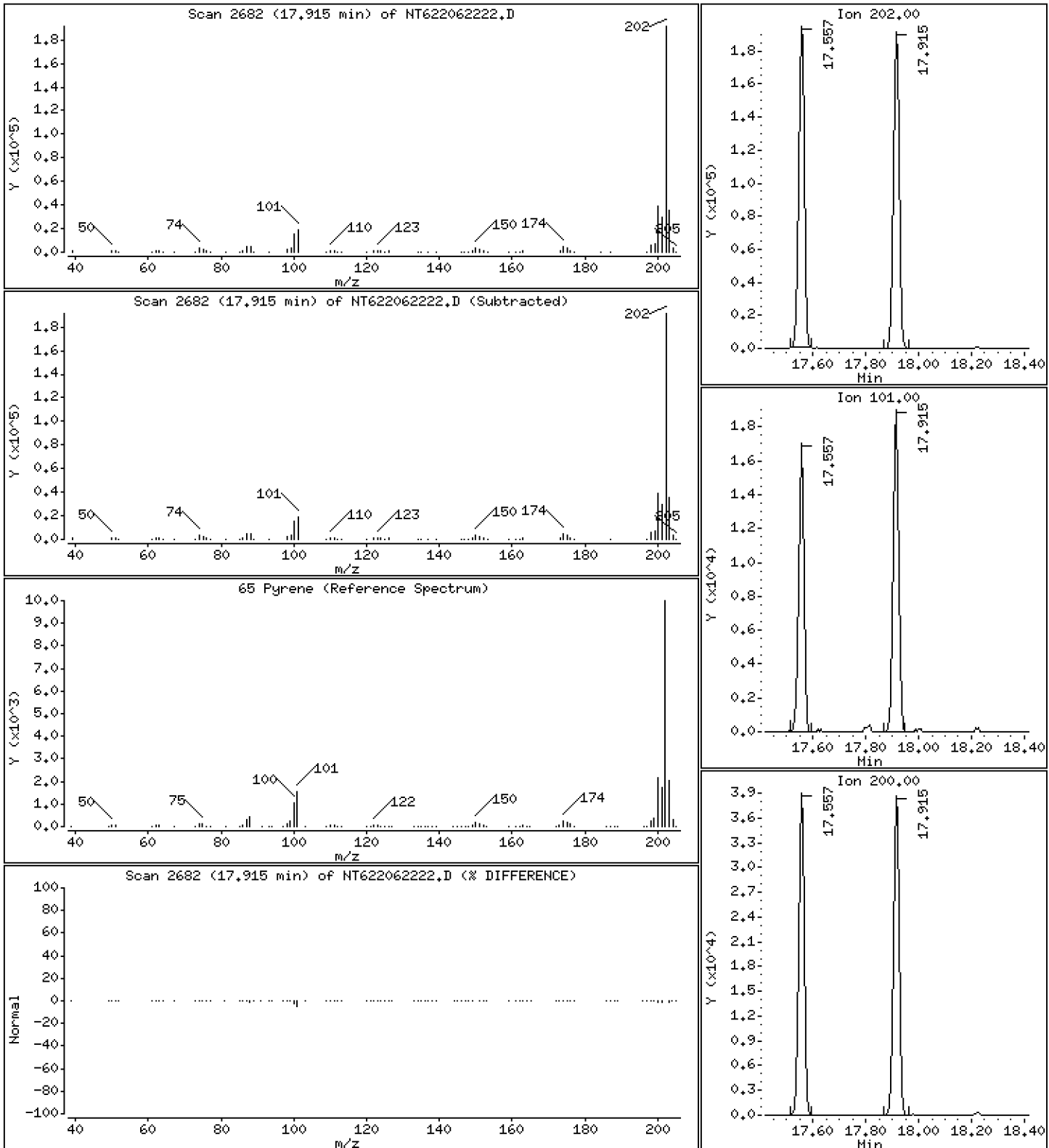
Operator: JZ

Column phase: ZB-5msi

Column diameter: 0.32

65 Pyrene

Concentration: 20.85 ug/mL



Date : 22-JUN-2022 22:54

Client ID:

Instrument: nt6.i

Sample Info: CCV220622,

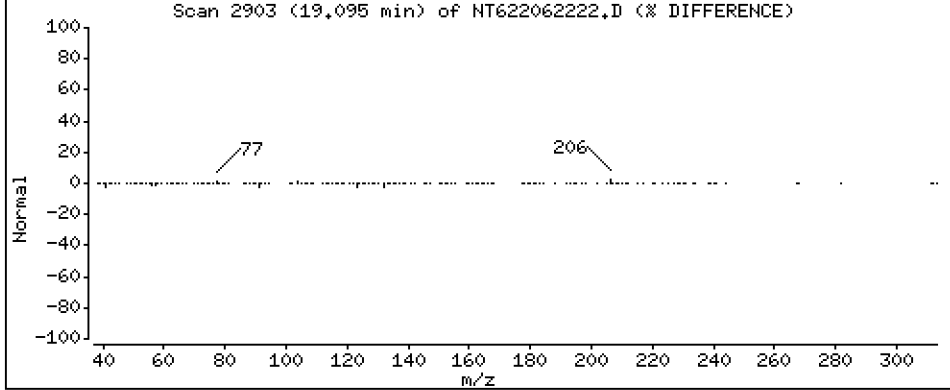
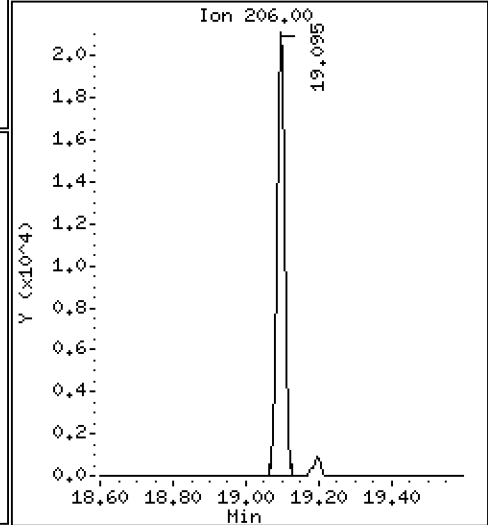
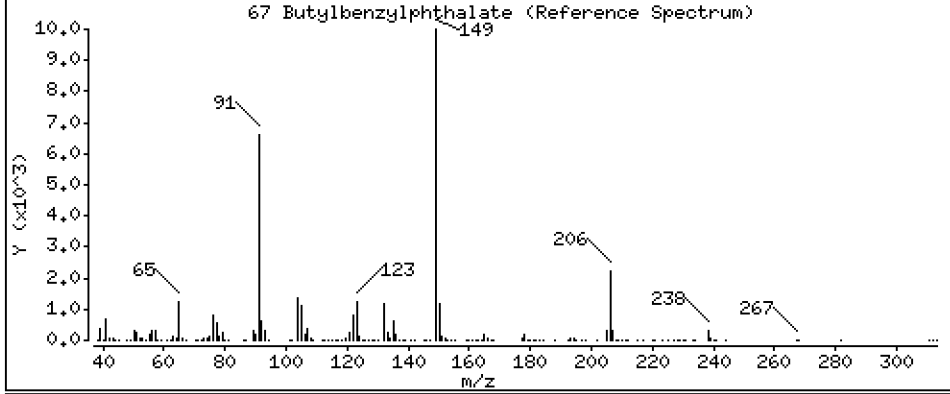
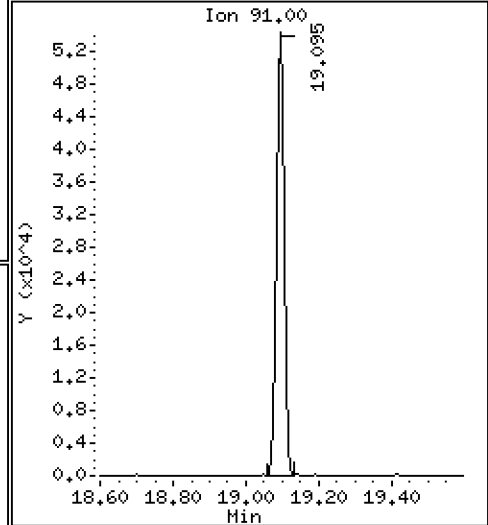
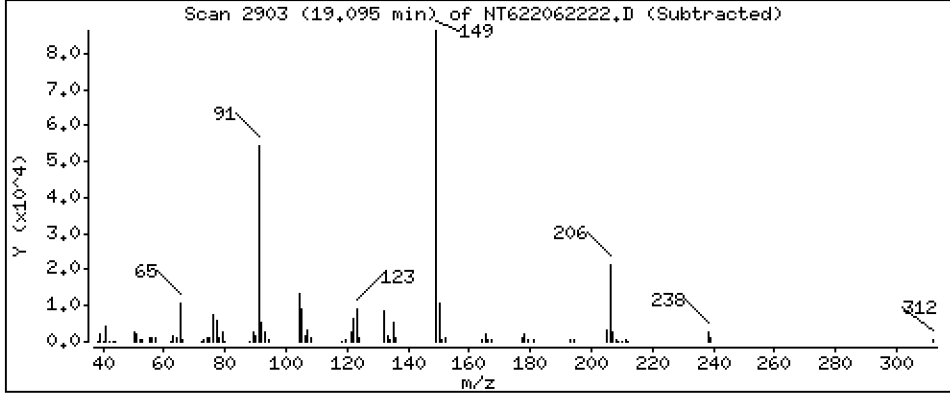
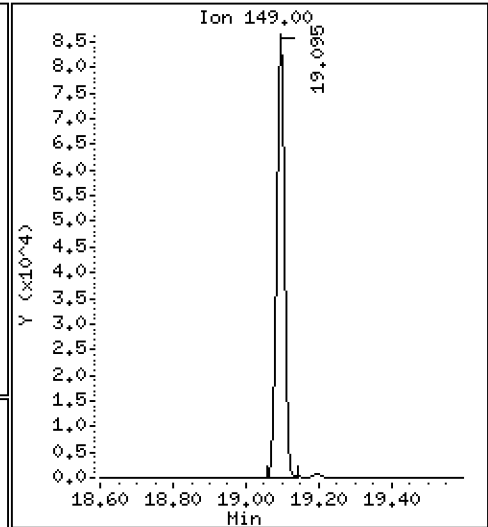
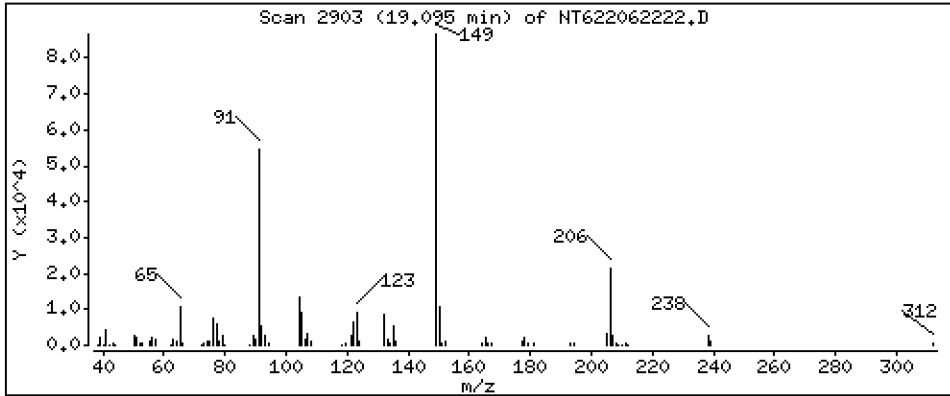
Operator: JZ

Column phase: ZB-5msi

Column diameter: 0.32

67 Butylbenzylphthalate

Concentration: 23.67 ug/mL



Date : 22-JUN-2022 22:54

Client ID:

Instrument: nt6.i

Sample Info: CCV220622,

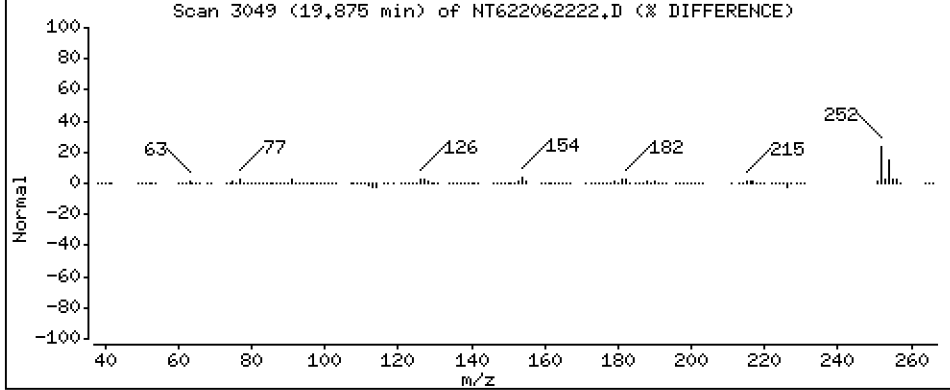
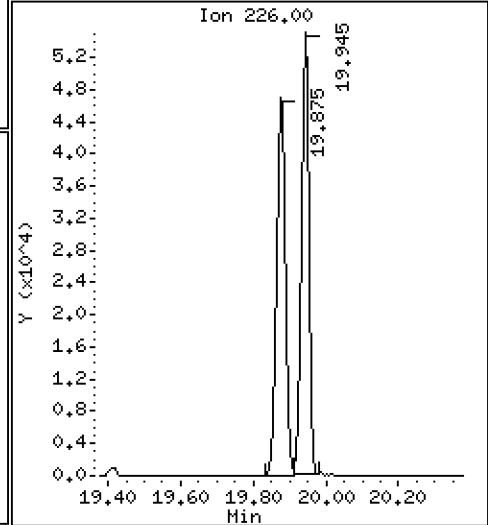
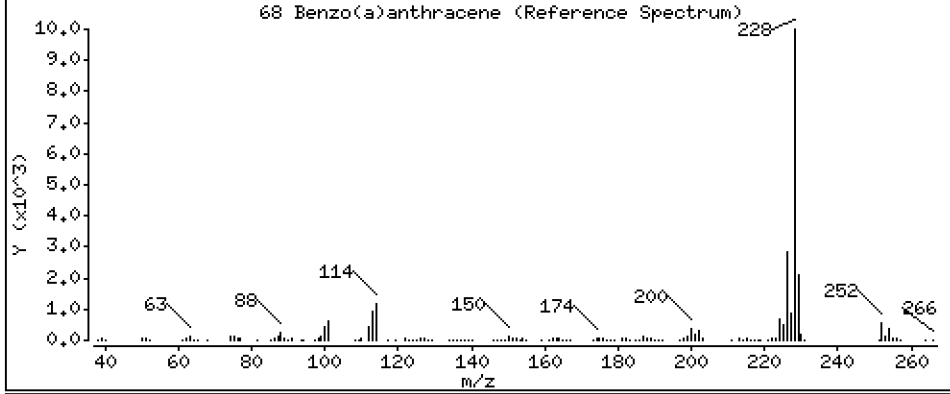
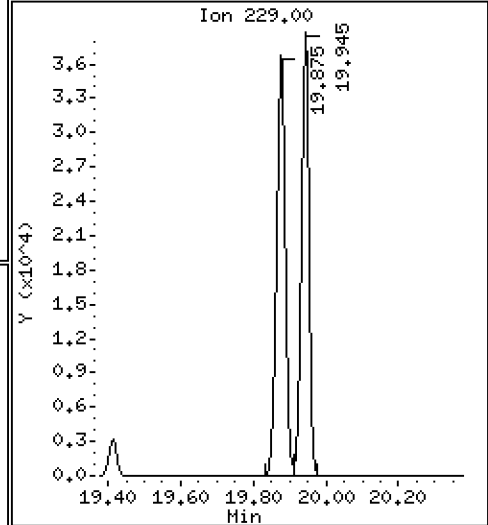
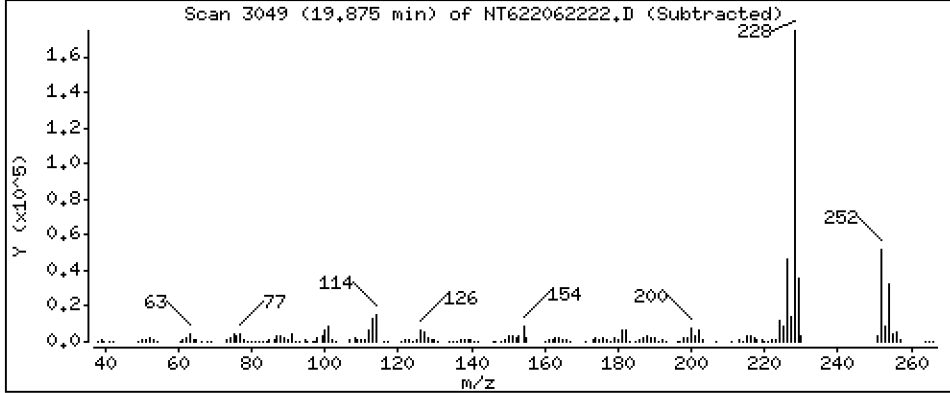
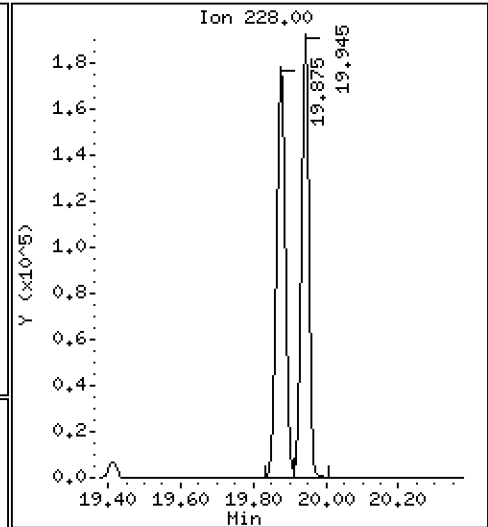
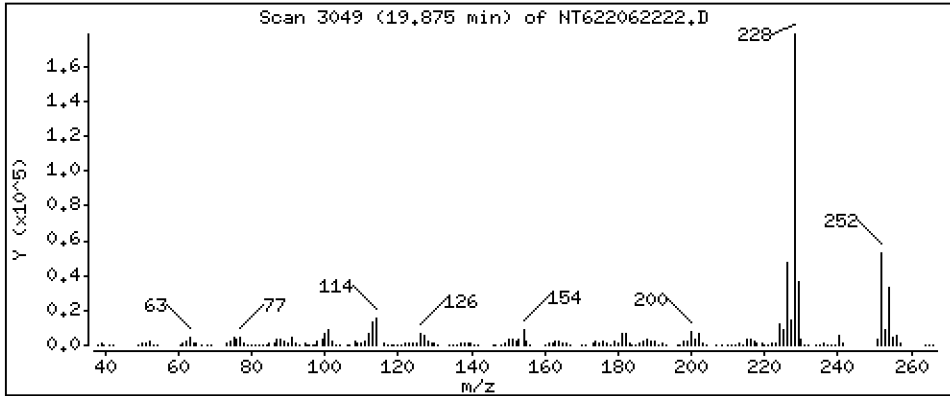
Operator: JZ

Column phase: ZB-5msi

Column diameter: 0,32

68 Benzo(a)anthracene

Concentration: 24,44 ug/mL



Date : 22-JUN-2022 22:54

Client ID:

Instrument: nt6.i

Sample Info: CCV220622,

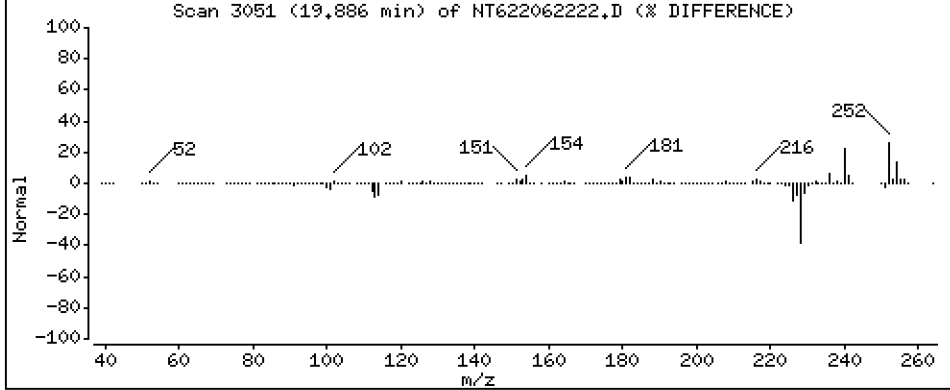
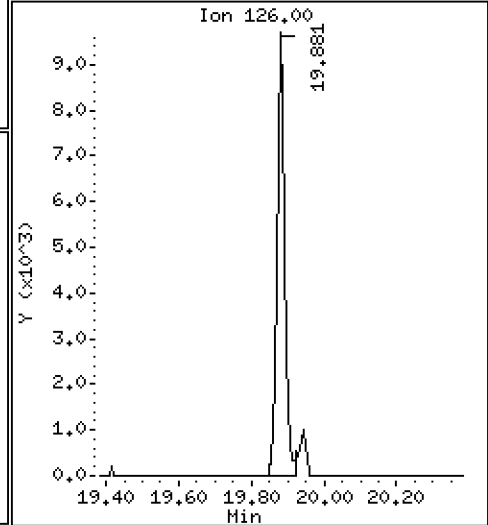
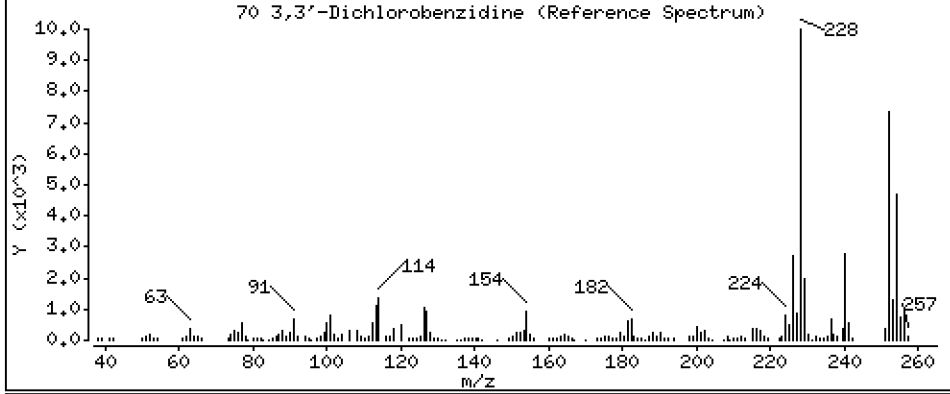
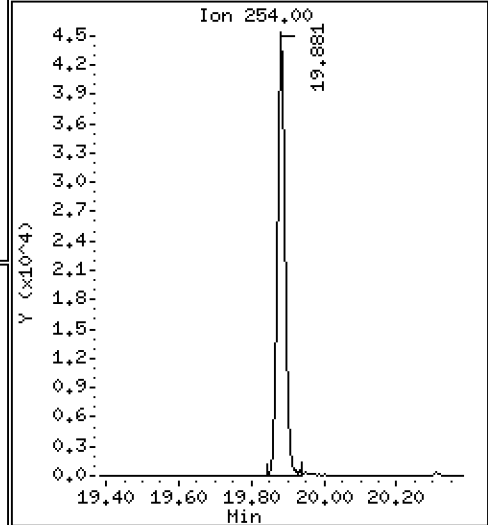
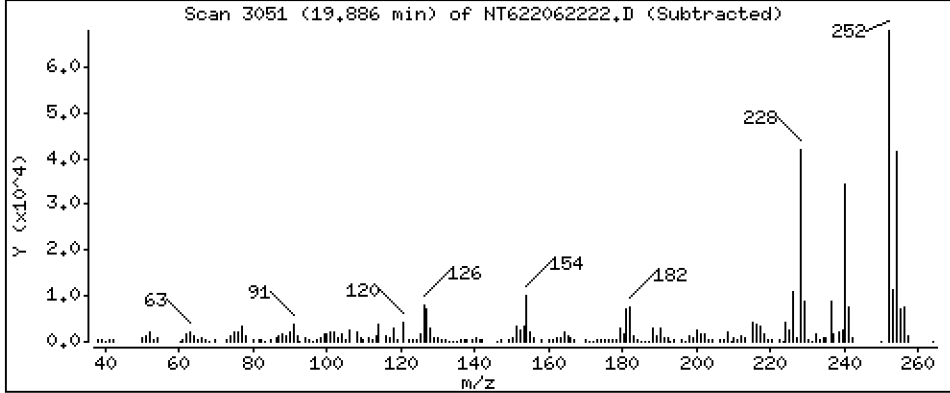
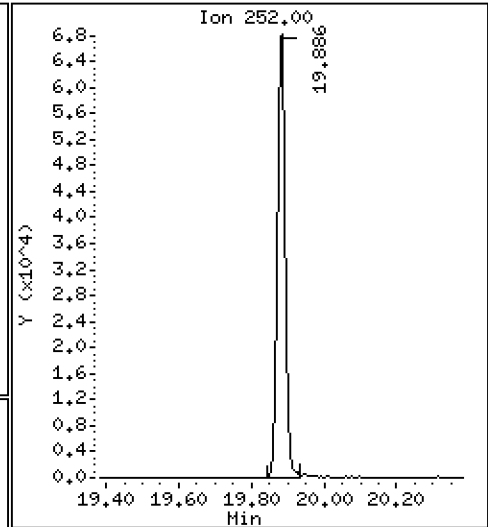
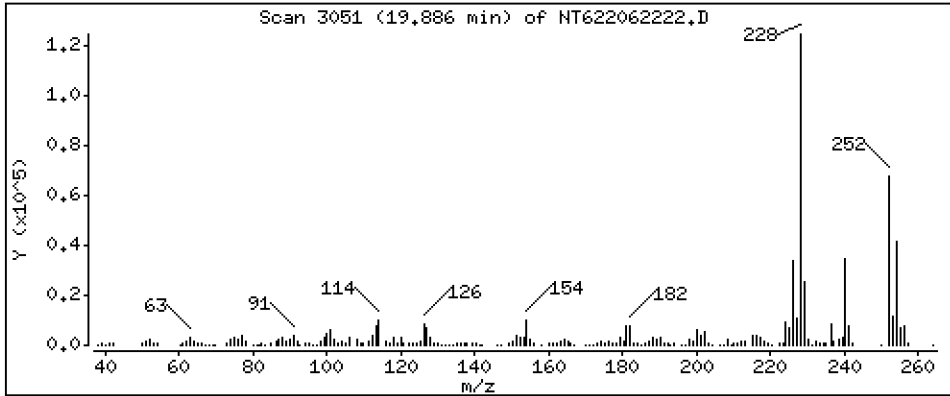
Operator: JZ

Column phase: ZB-5msi

Column diameter: 0,32

70 3,3'-Dichlorobenzidine

Concentration: 27,66 ug/mL



Date : 22-JUN-2022 22:54

Client ID:

Instrument: nt6.i

Sample Info: CCV220622,

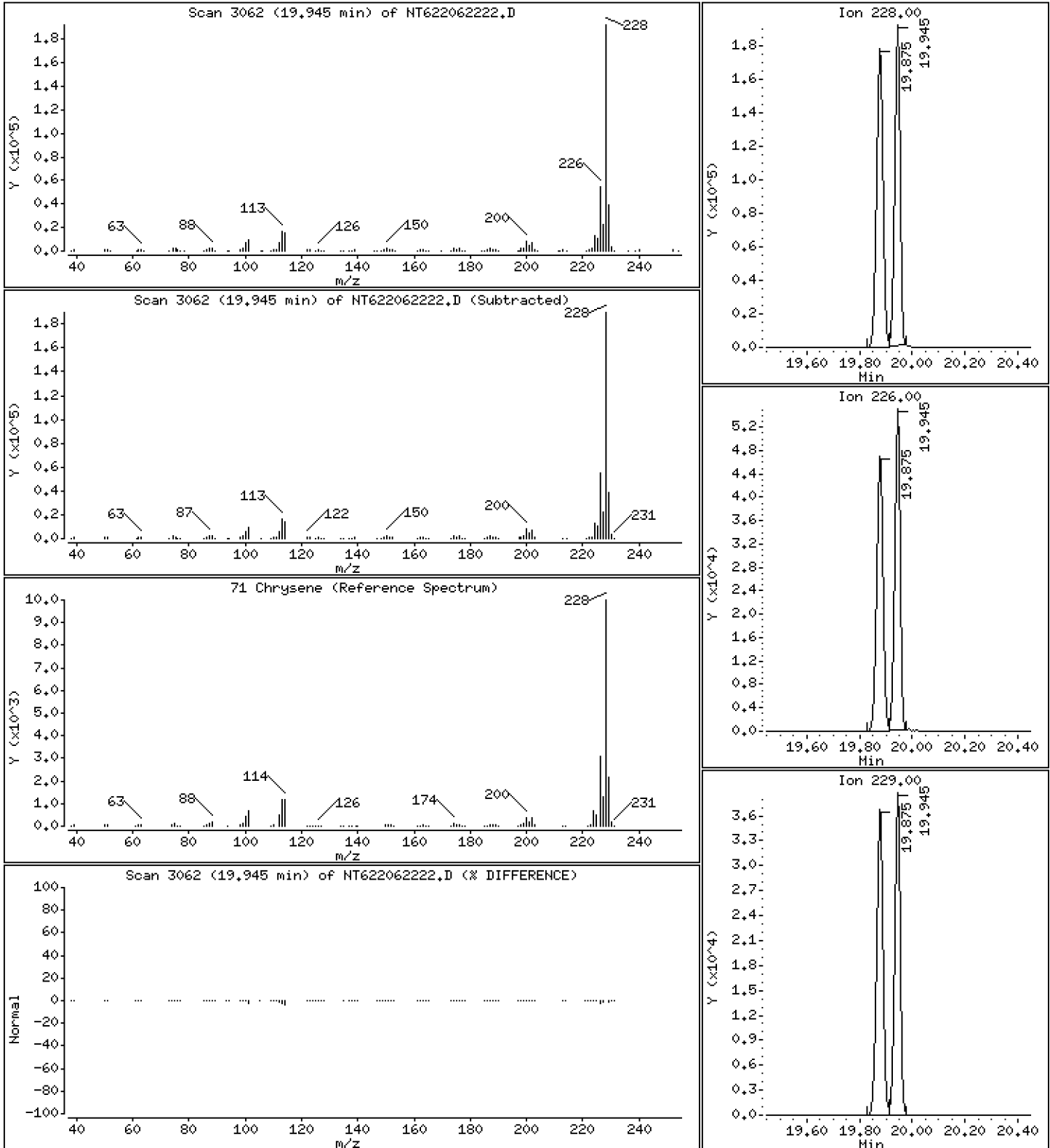
Operator: JZ

Column phase: ZB-5msi

Column diameter: 0.32

71 Chrysene

Concentration: 23.91 ug/mL



Date : 22-JUN-2022 22:54

Client ID:

Instrument: nt6.i

Sample Info: CCV220622,

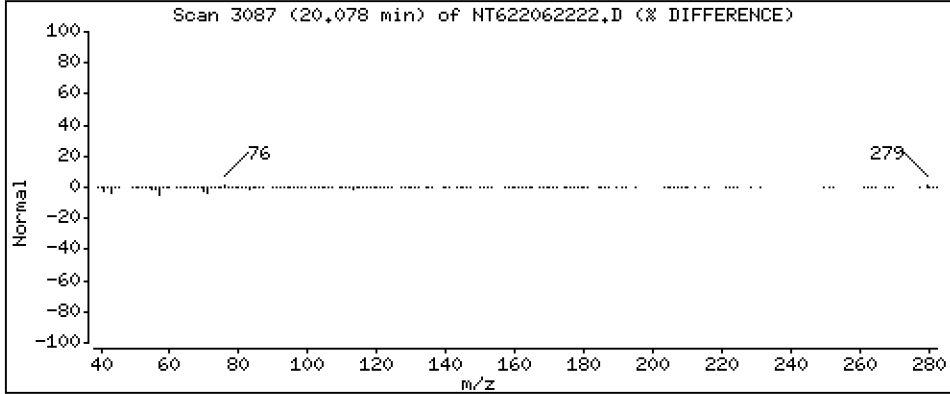
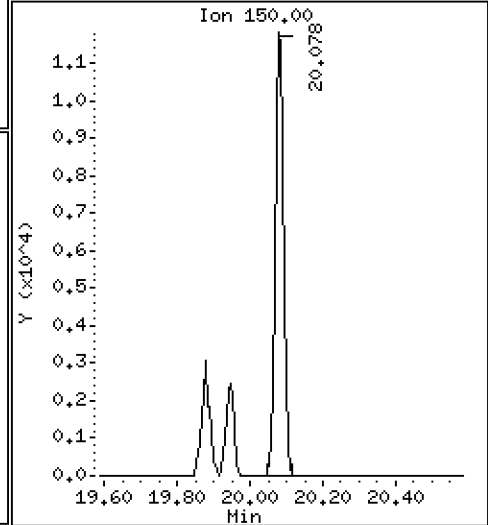
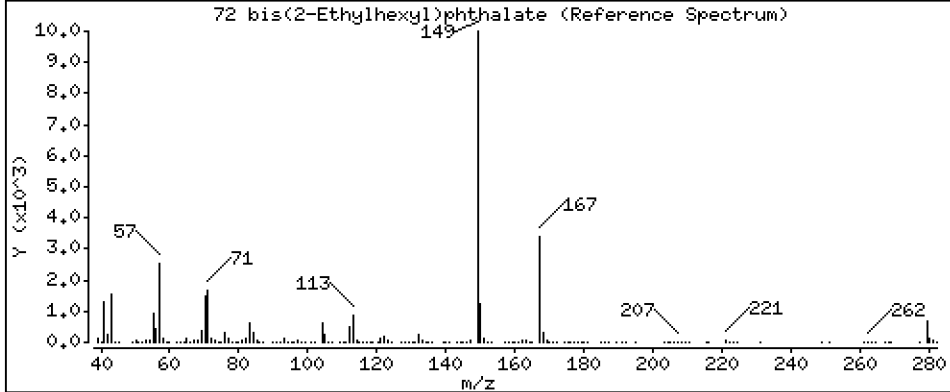
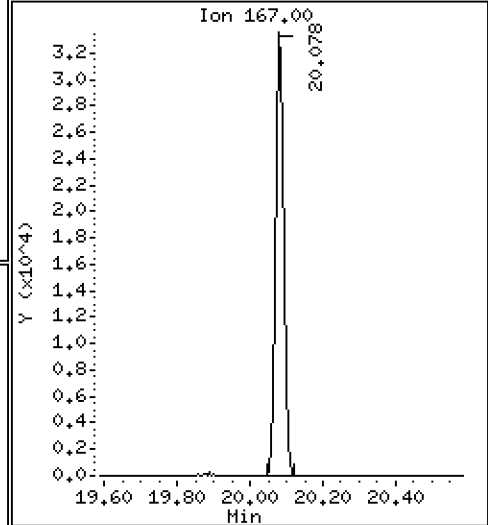
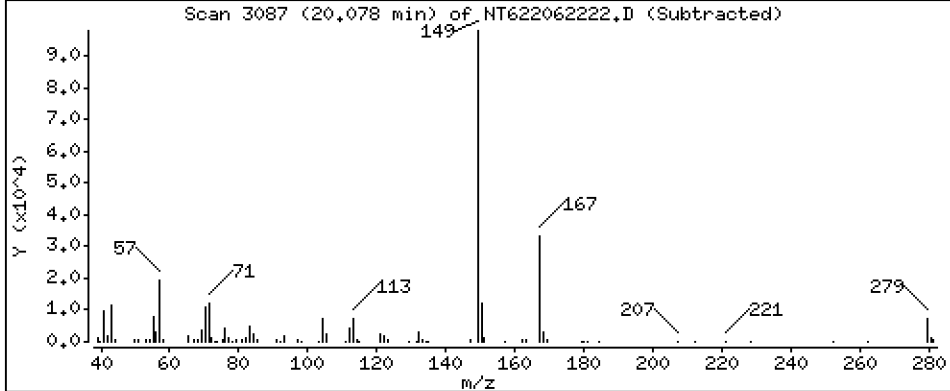
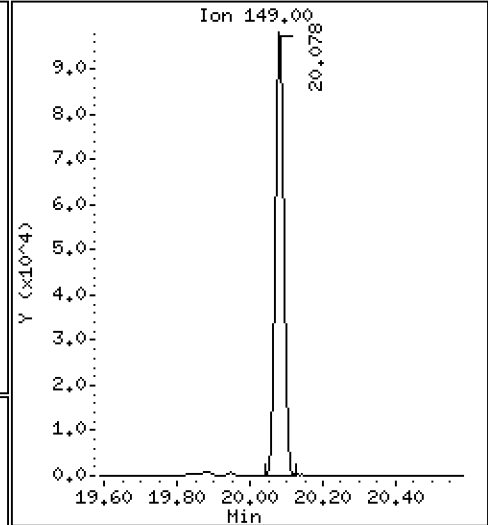
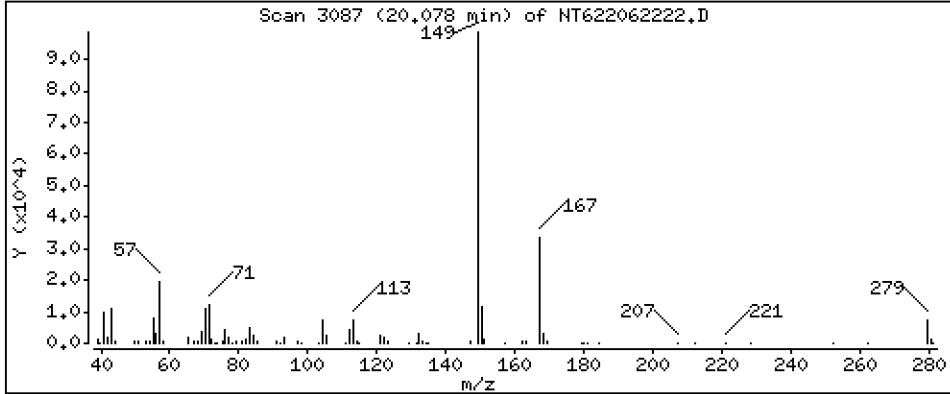
Operator: JZ

Column phase: ZB-5msi

Column diameter: 0,32

72 bis(2-Ethylhexyl)phthalate

Concentration: 23,25 ug/mL



Date : 22-JUN-2022 22:54

Client ID:

Instrument: nt6.i

Sample Info: CCV220622,

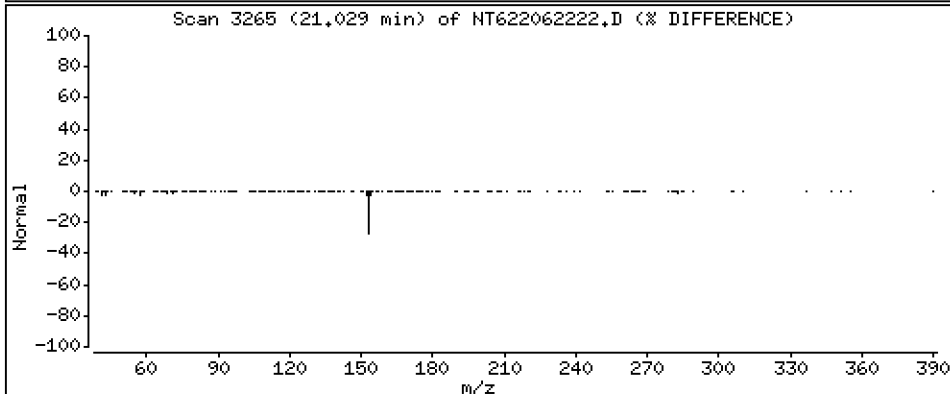
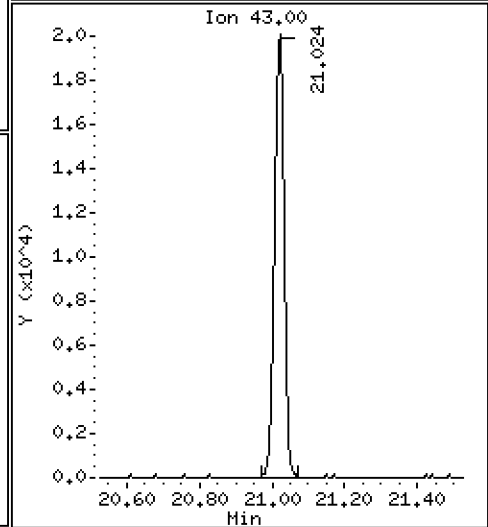
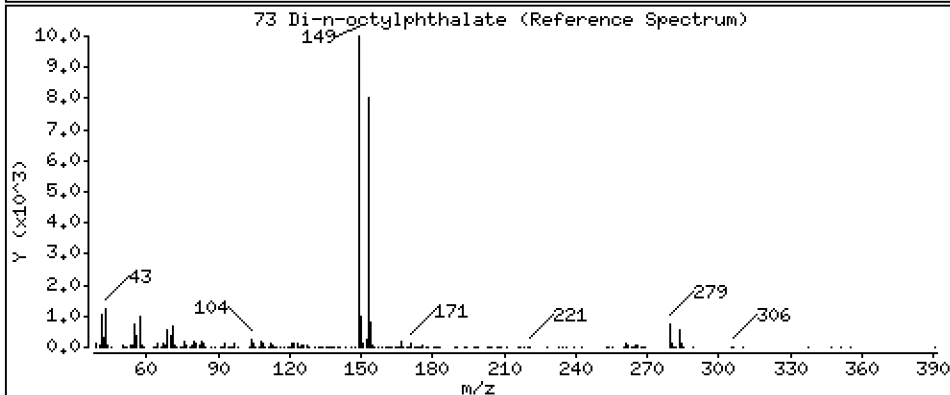
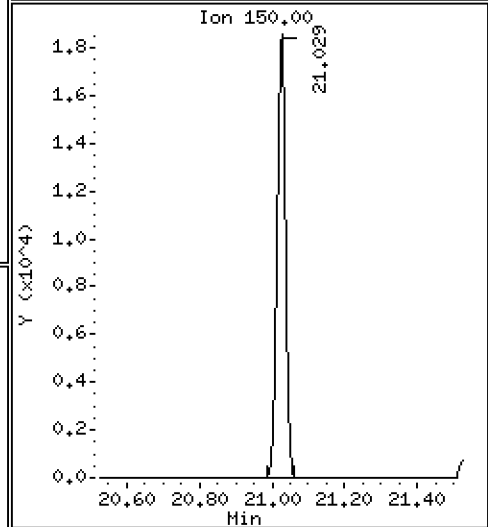
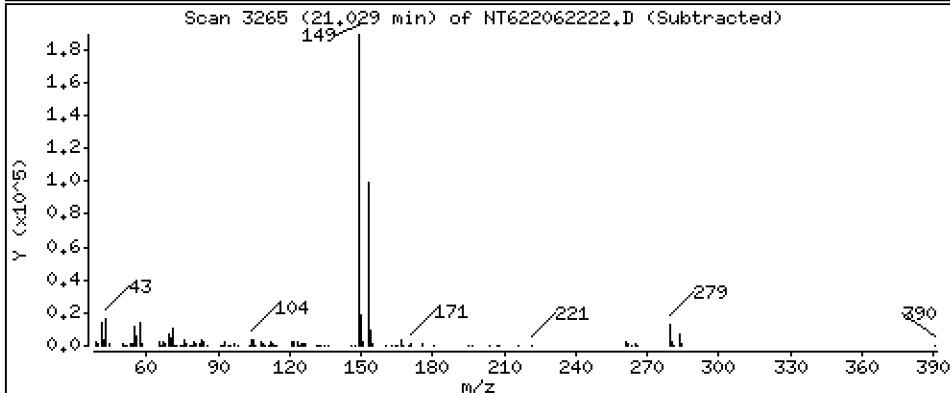
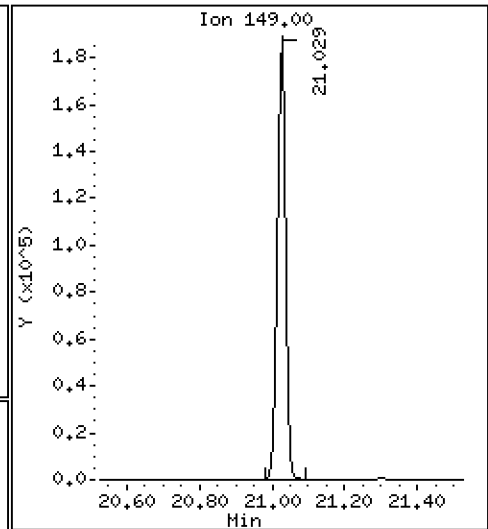
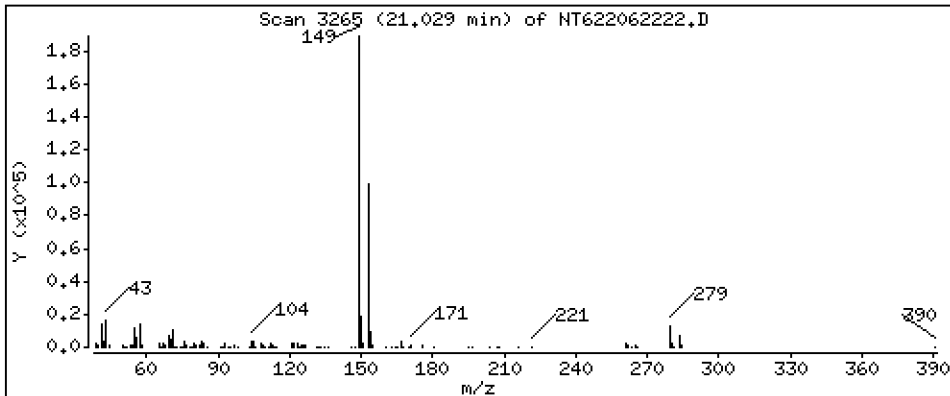
Operator: JZ

Column phase: ZB-5msi

Column diameter: 0,32

73 Di-n-octylphthalate

Concentration: 23,81 ug/mL



Date : 22-JUN-2022 22:54

Client ID:

Instrument: nt6.i

Sample Info: CCV220622,

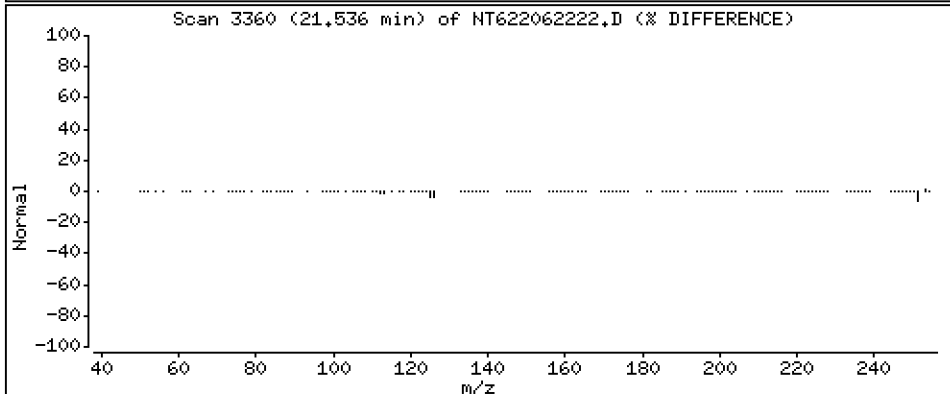
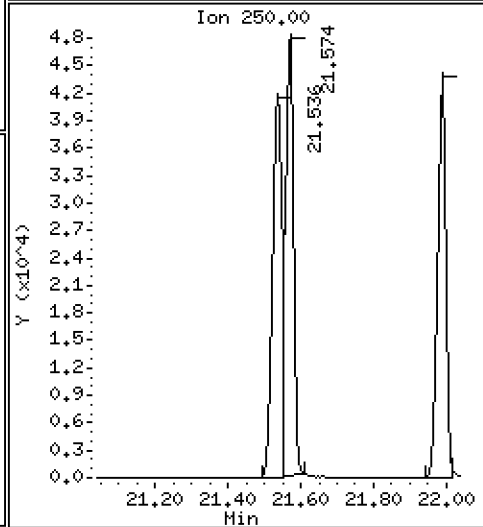
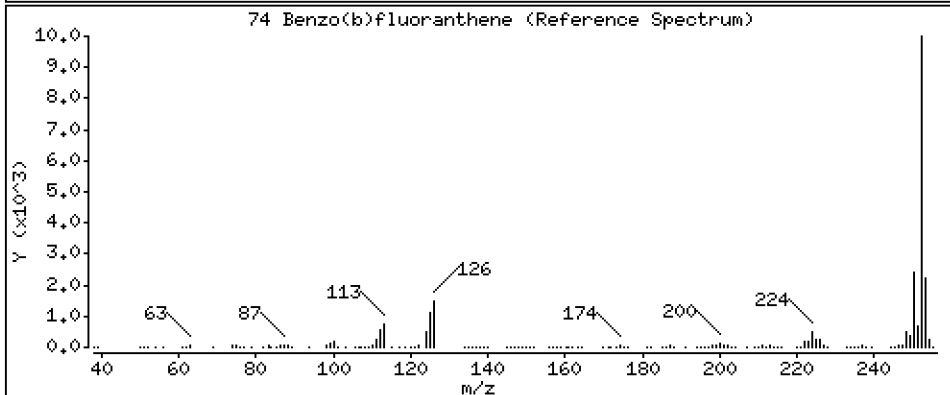
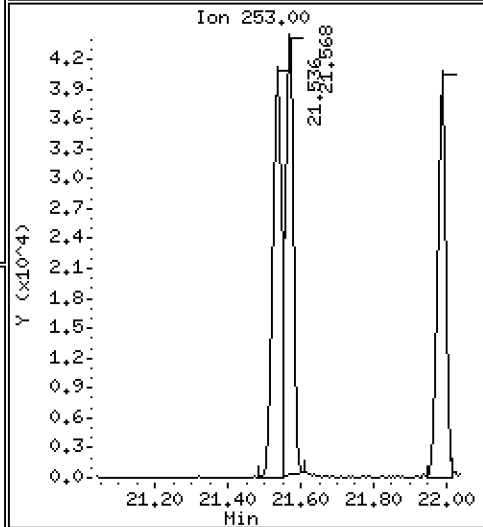
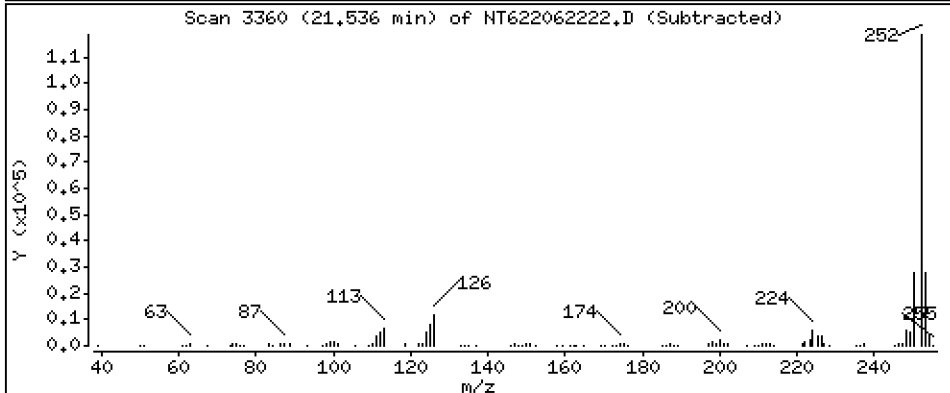
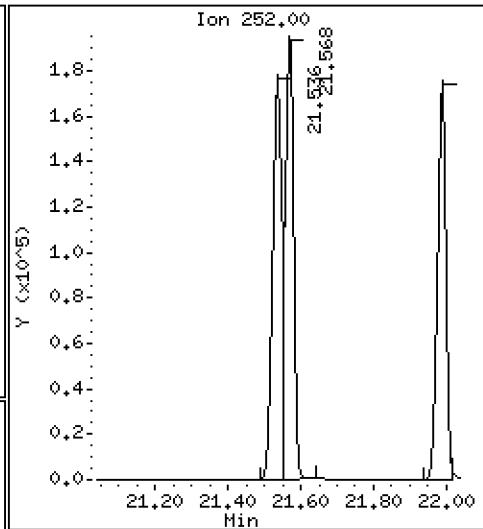
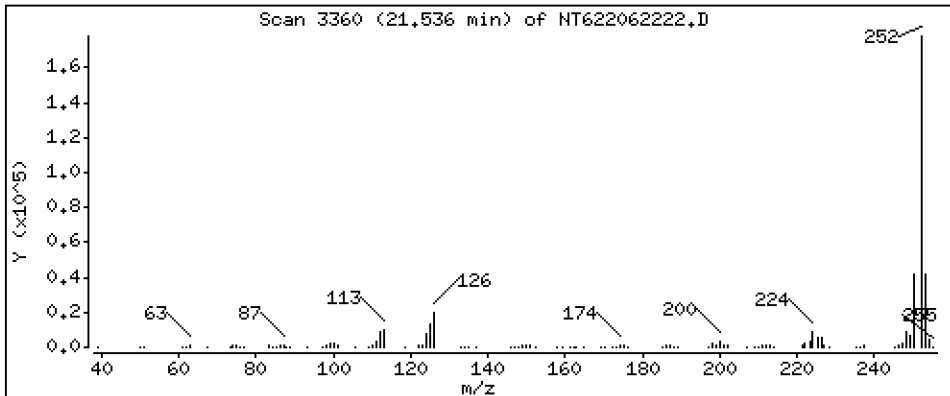
Operator: JZ

Column phase: ZB-5msi

Column diameter: 0.32

74 Benzo(b)fluoranthene

Concentration: 25.84 ug/mL



Date : 22-JUN-2022 22:54

Client ID:

Instrument: nt6.i

Sample Info: CCV220622,

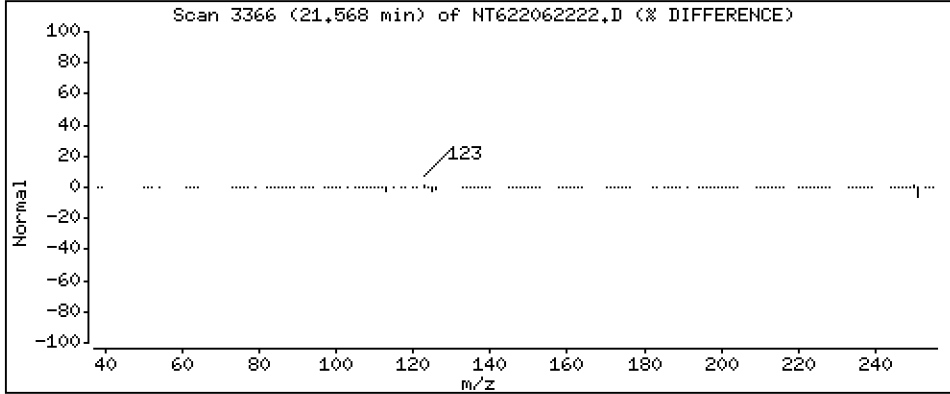
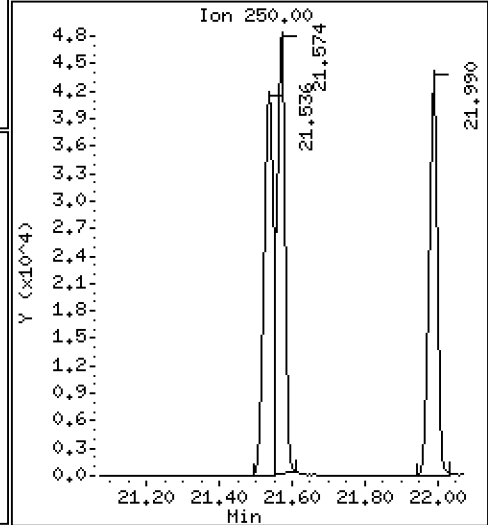
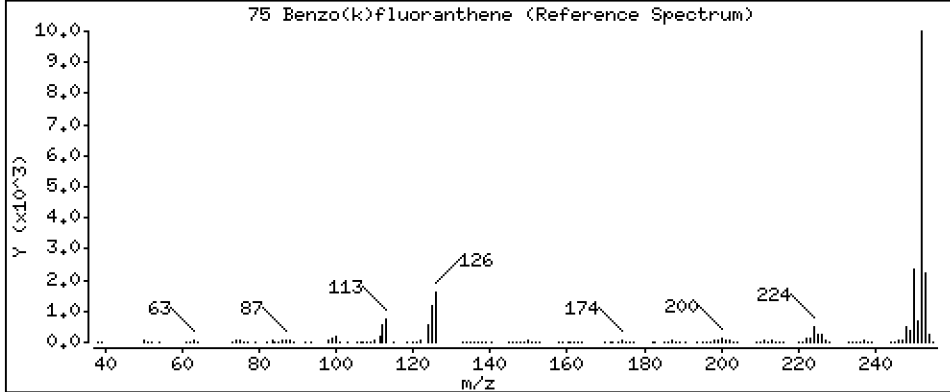
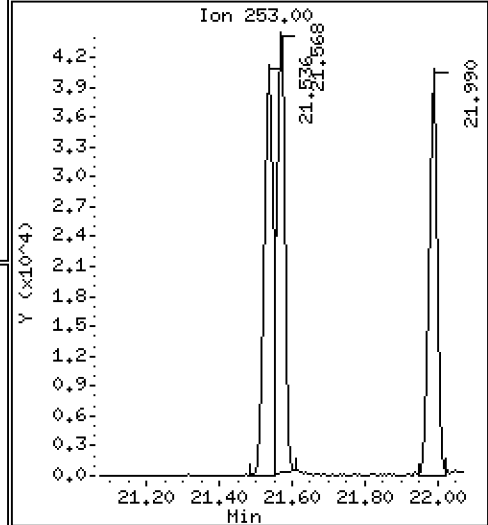
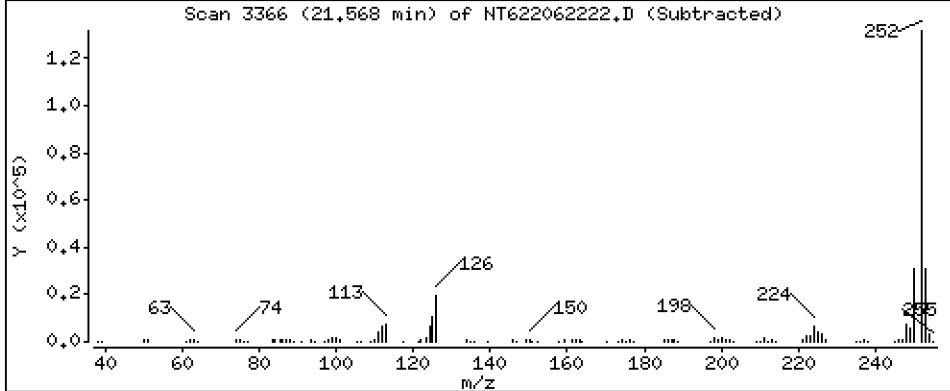
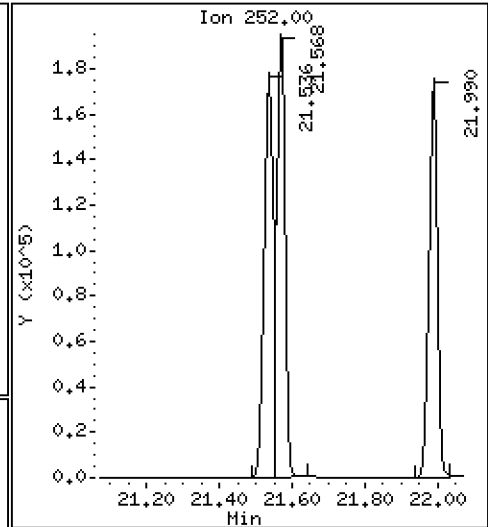
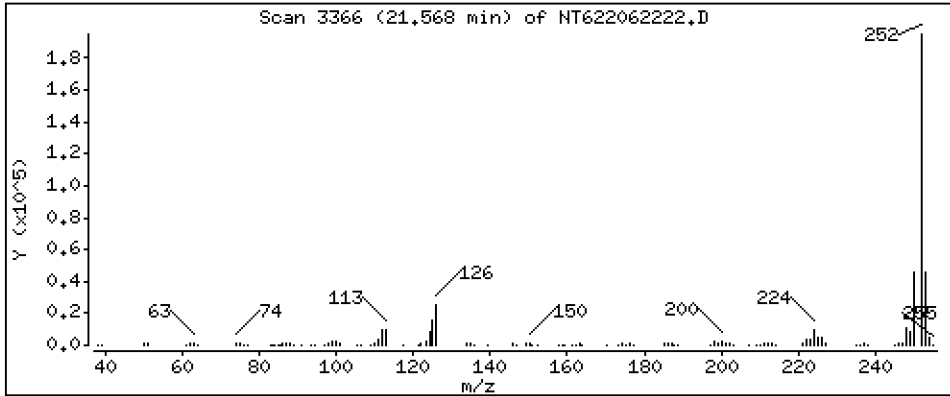
Operator: JZ

Column phase: ZB-5msi

Column diameter: 0,32

75 Benzo(k)fluoranthene

Concentration: 26,35 ug/mL



Date : 22-JUN-2022 22:54

Client ID:

Instrument: nt6.i

Sample Info: CCV220622,

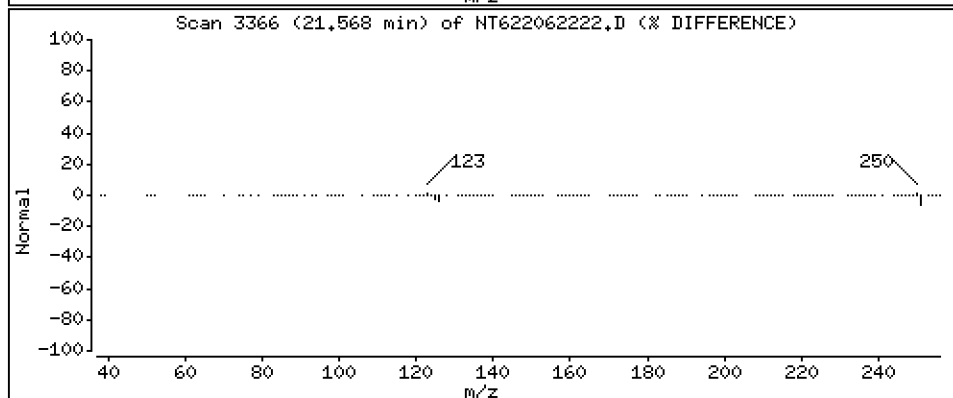
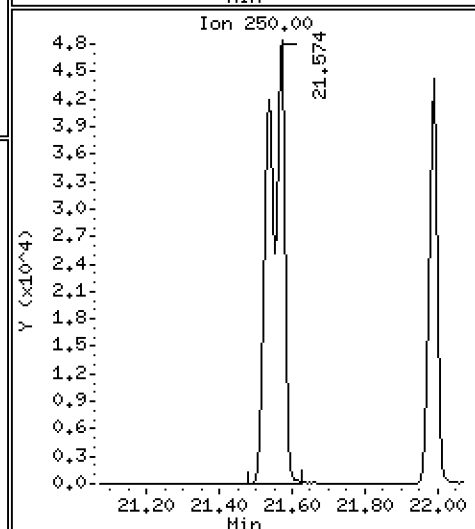
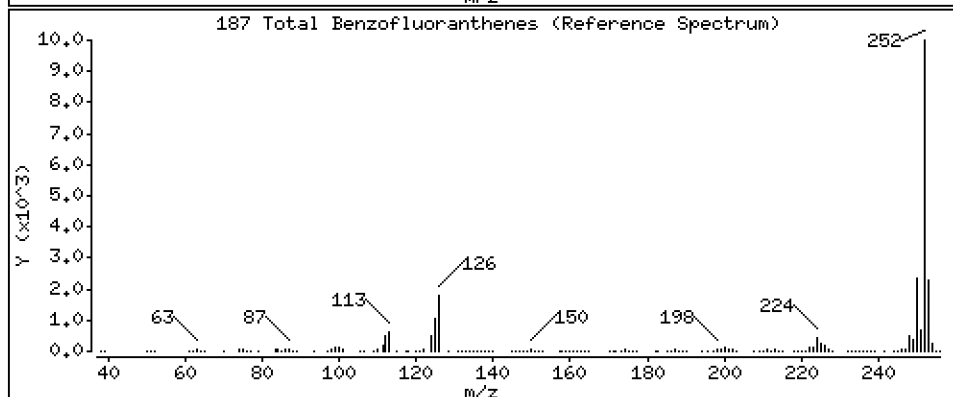
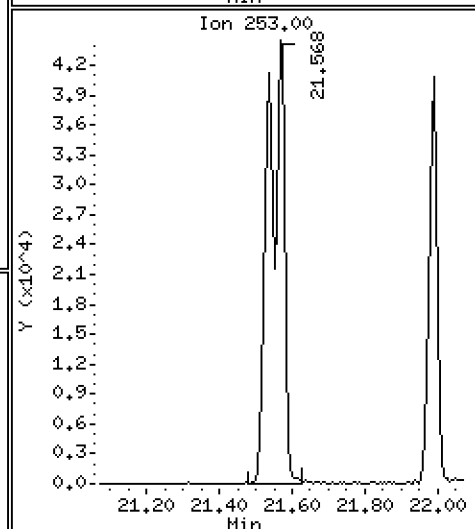
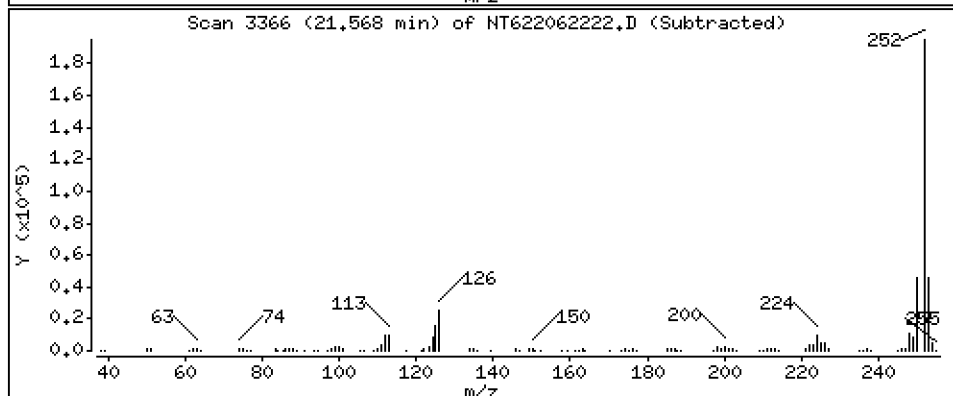
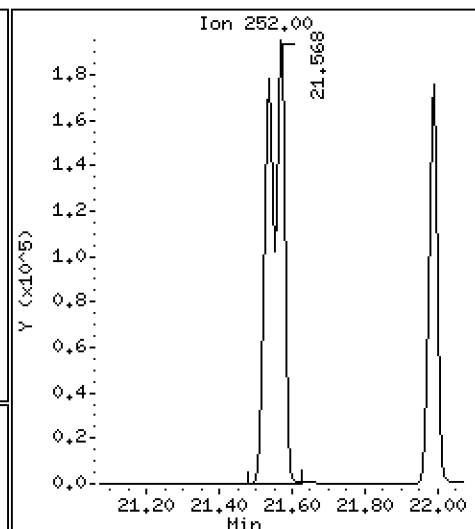
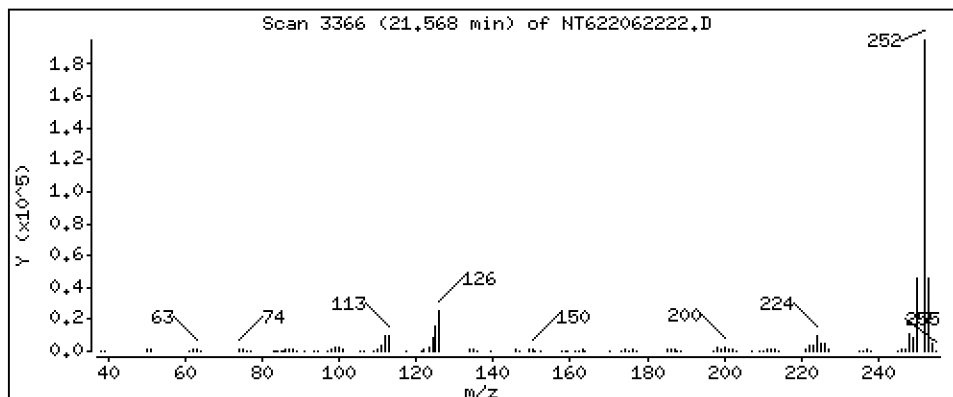
Operator: JZ

Column phase: ZB-5msi

Column diameter: 0.32

187 Total Benzofluoranthenes

Concentration: 52.23 ug/mL



Date : 22-JUN-2022 22:54

Client ID:

Instrument: nt6.i

Sample Info: CCV220622,

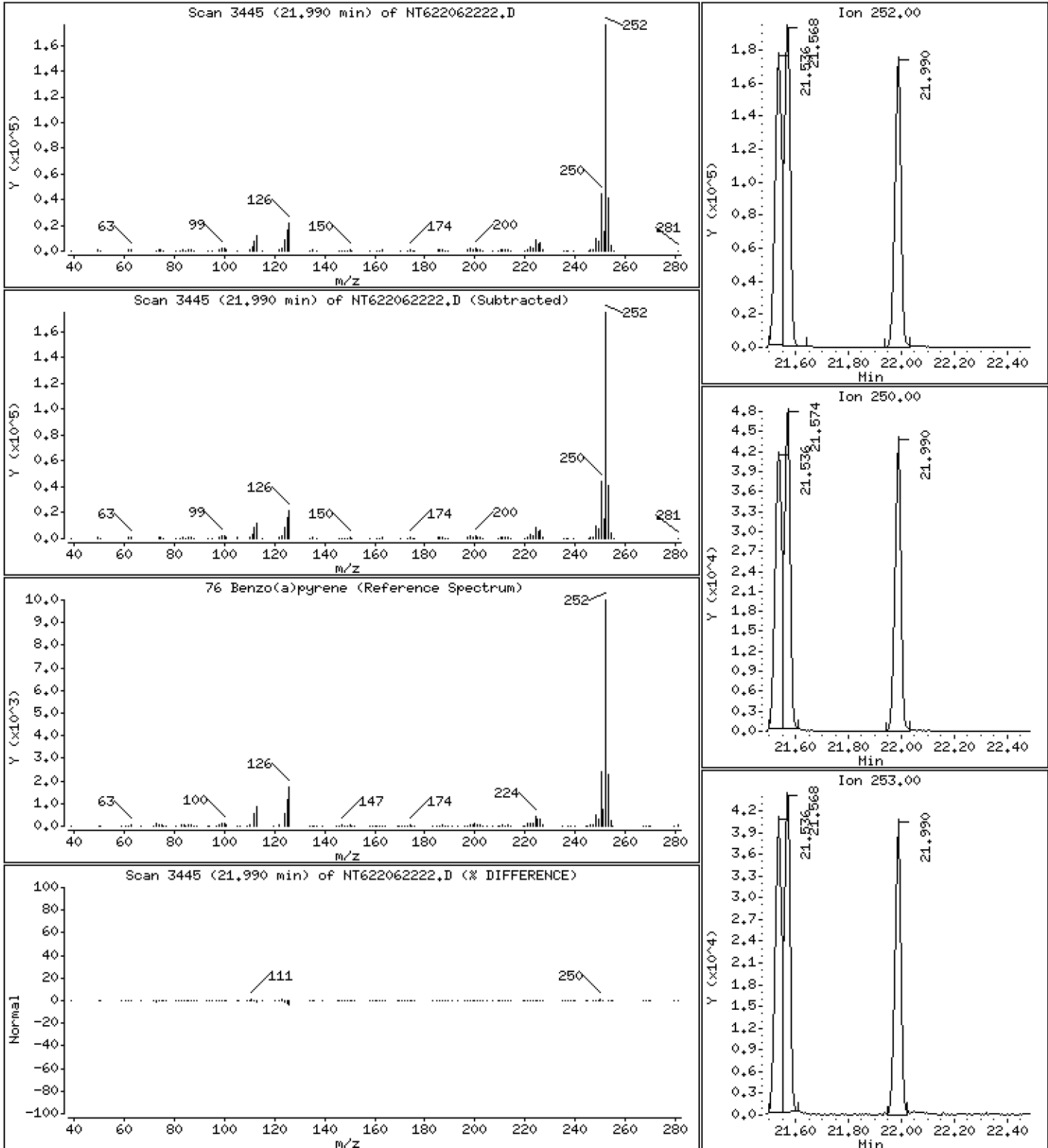
Operator: JZ

Column phase: ZB-5msi

Column diameter: 0.32

76 Benzo(a)pyrene

Concentration: 24.49 ug/mL



Date : 22-JUN-2022 22:54

Client ID:

Instrument: nt6.i

Sample Info: CCV220622,

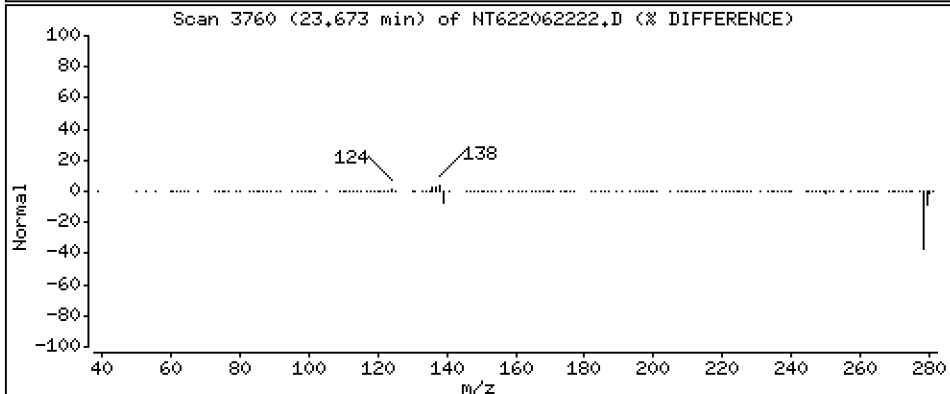
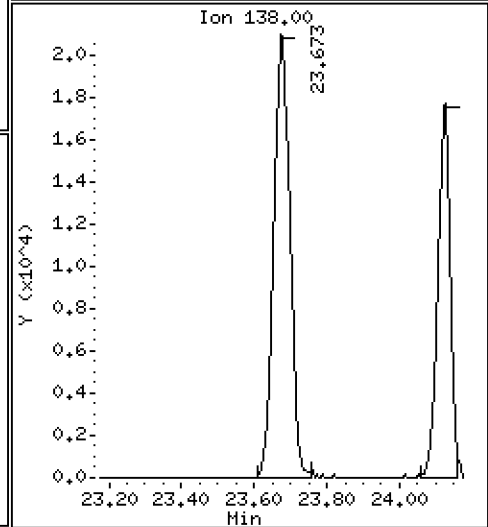
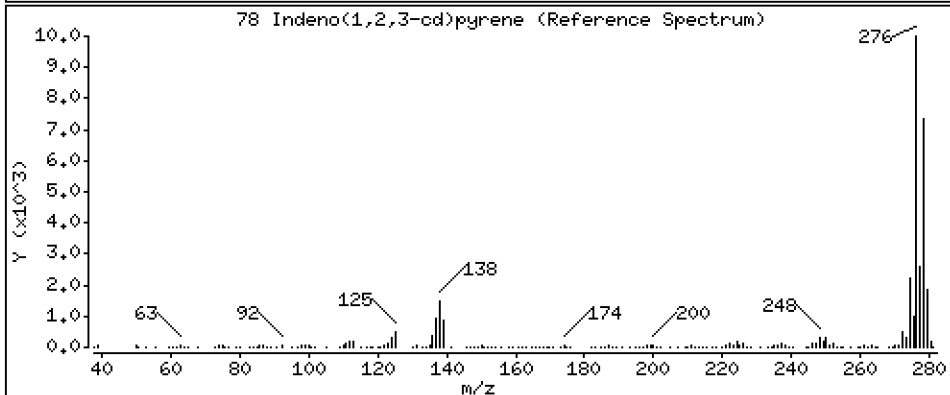
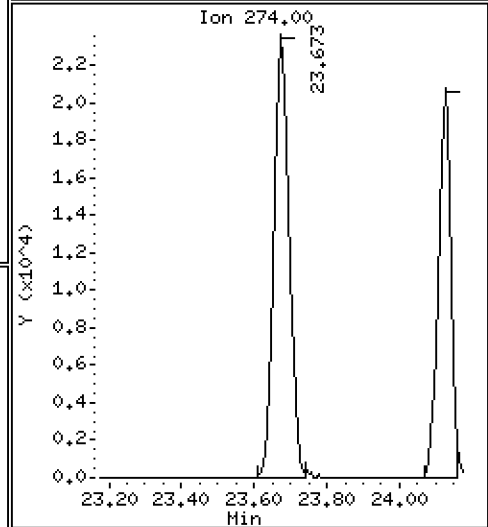
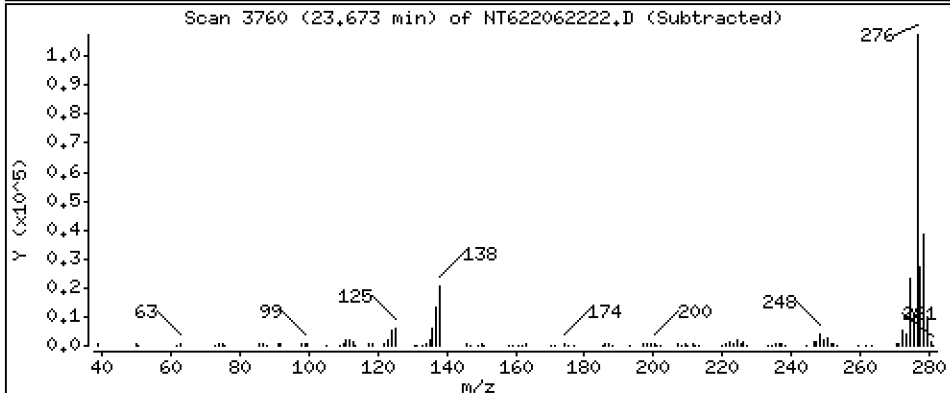
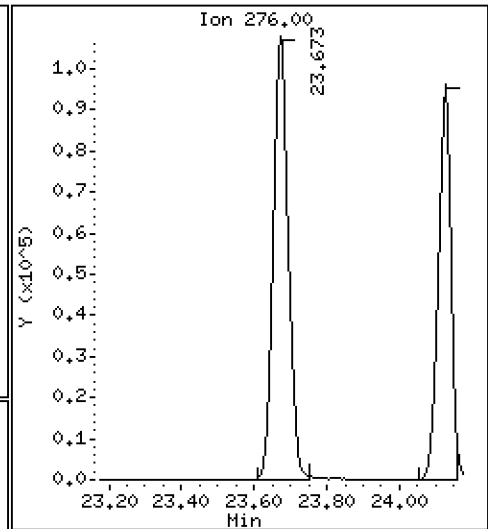
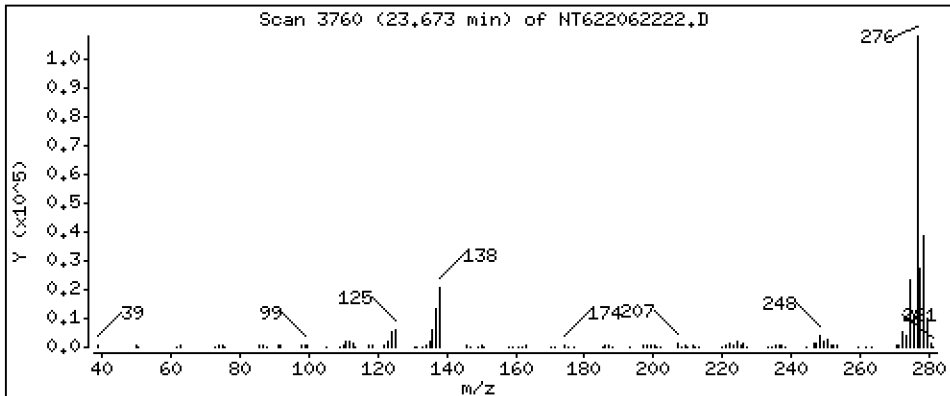
Operator: JZ

Column phase: ZB-5msi

Column diameter: 0,32

78 Indeno(1,2,3-cd)pyrene

Concentration: 18,45 ug/mL



Date : 22-JUN-2022 22:54

Client ID:

Instrument: nt6.i

Sample Info: CCV220622,

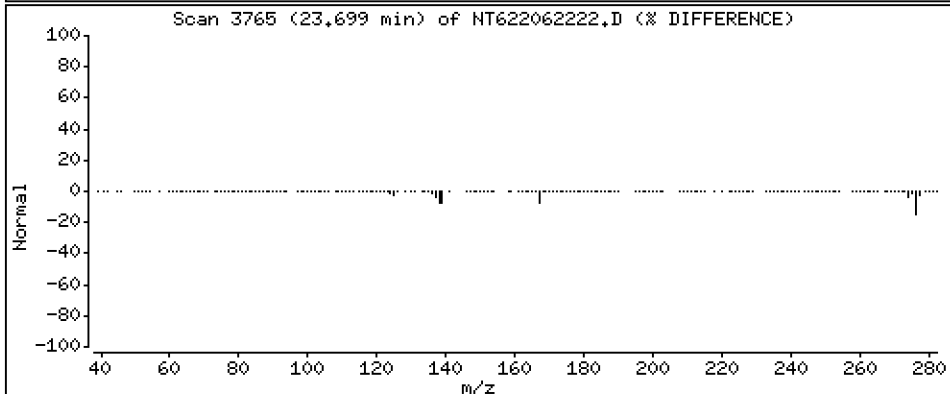
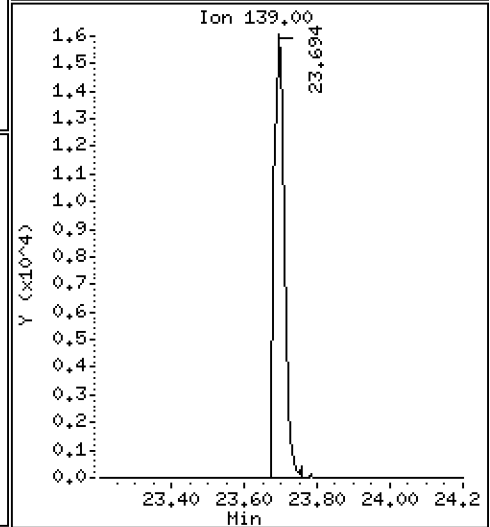
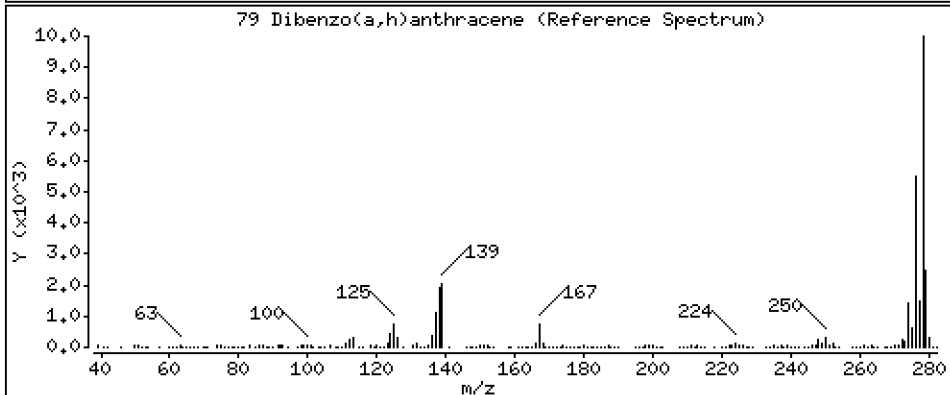
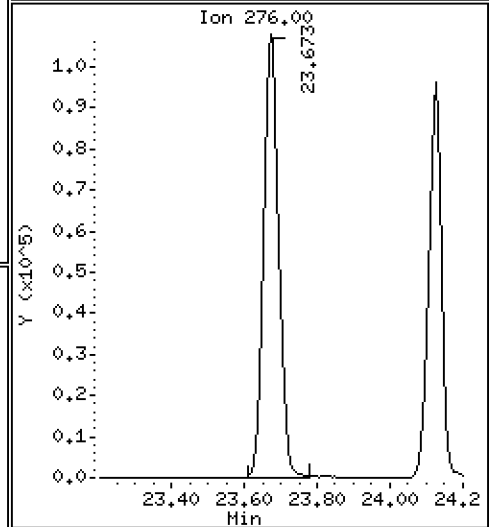
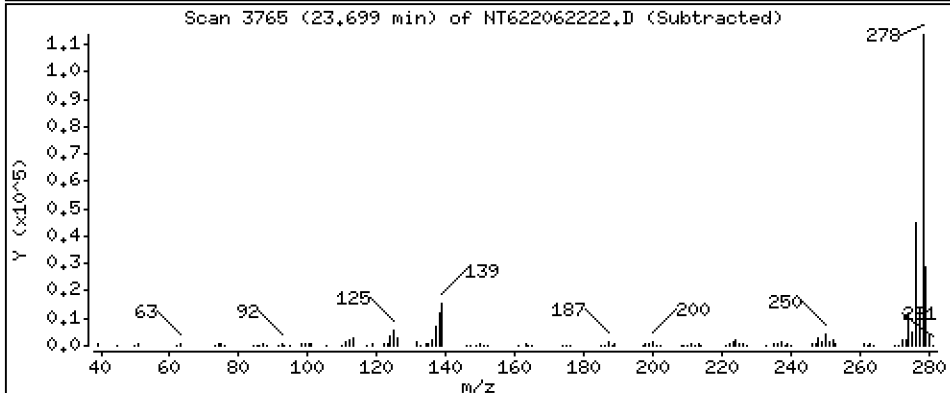
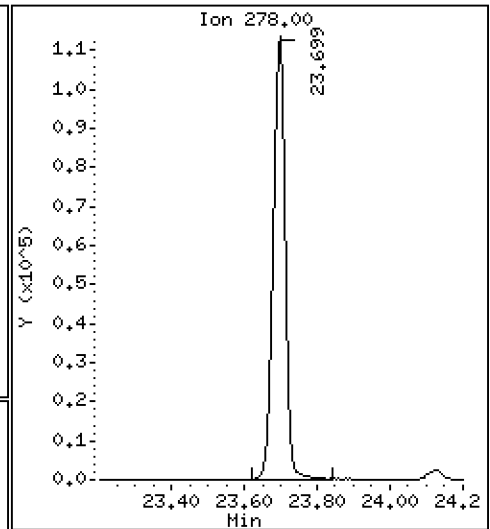
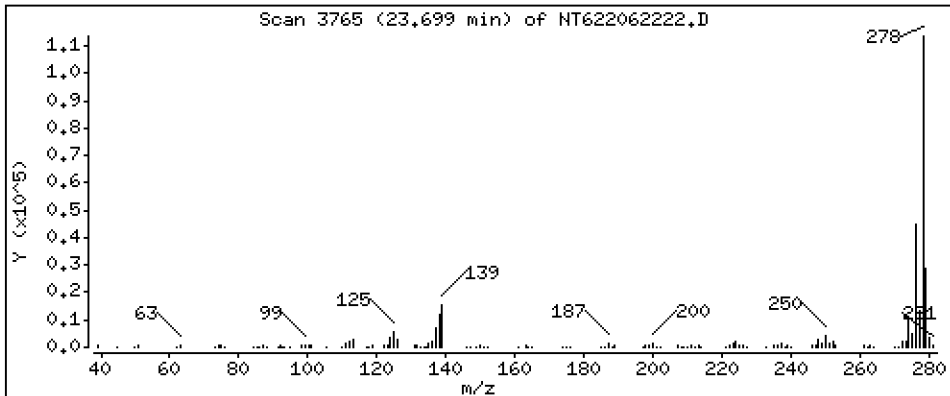
Operator: JZ

Column phase: ZB-5msi

Column diameter: 0,32

79 Dibenzo(a,h)anthracene

Concentration: 18,70 ug/mL



Date : 22-JUN-2022 22:54

Client ID:

Instrument: nt6.i

Sample Info: CCV220622,

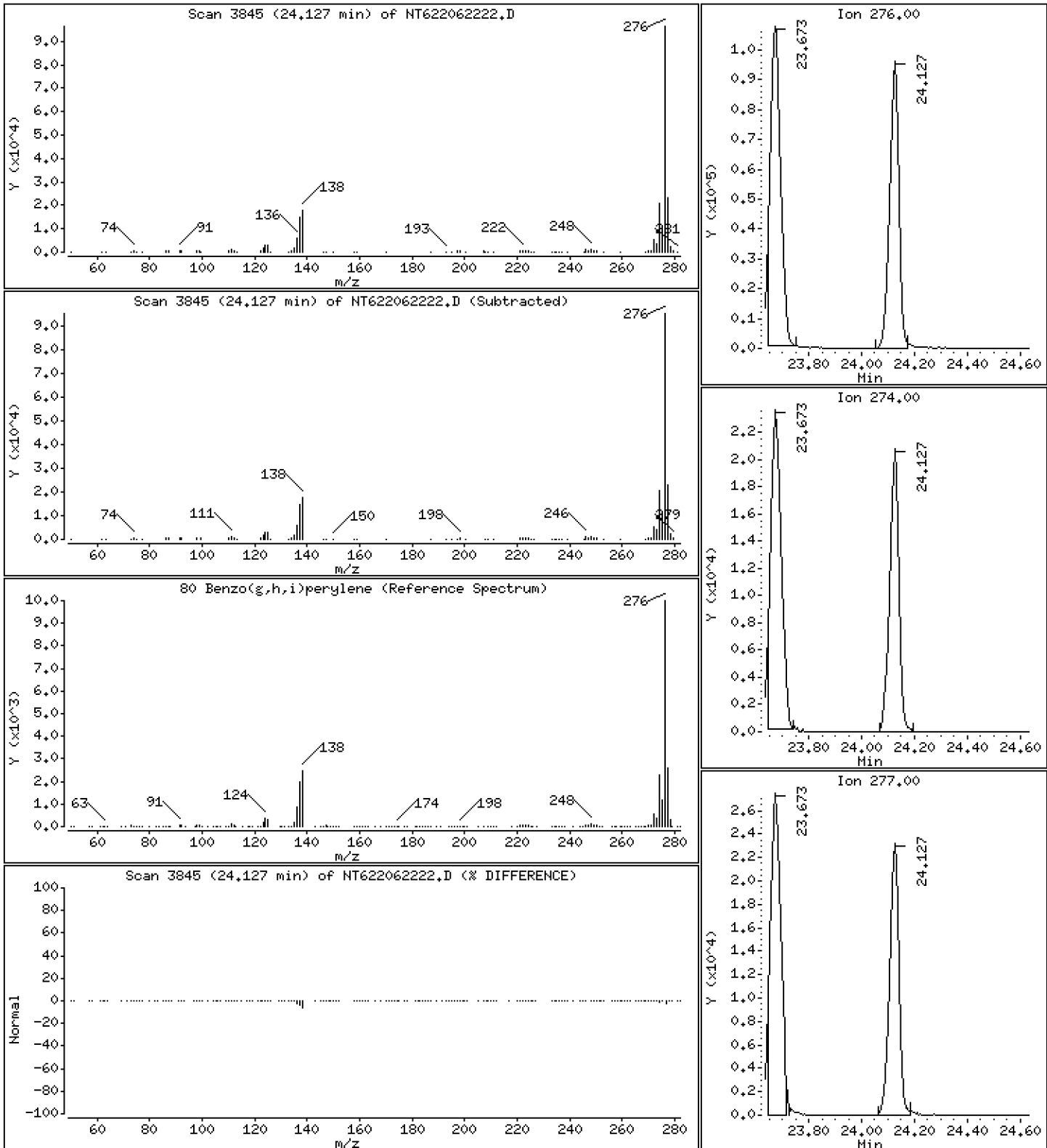
Operator: JZ

Column phase: ZB-5msi

Column diameter: 0.32

80 Benzo(g,h,i)perylene

Concentration: 16.08 ug/mL



Date : 22-JUN-2022 22:54

Client ID:

Instrument: nt6.i

Sample Info: CCV220622,

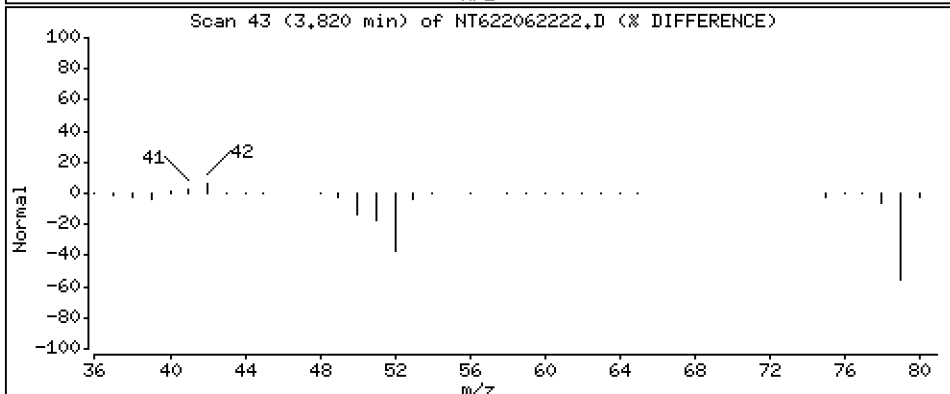
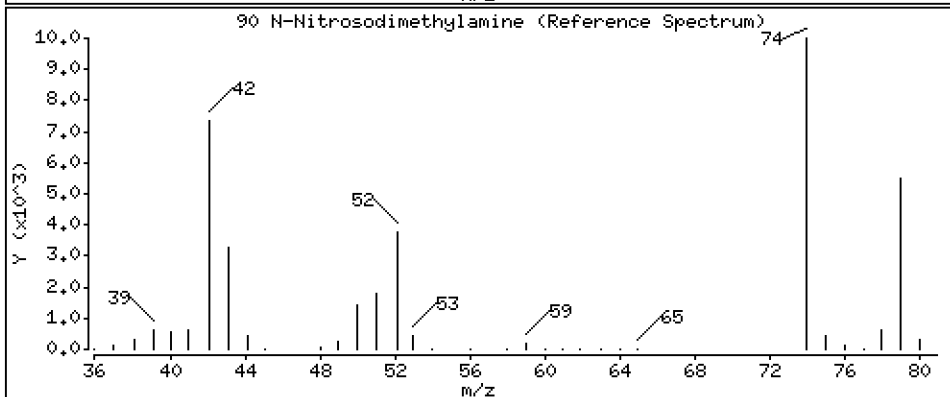
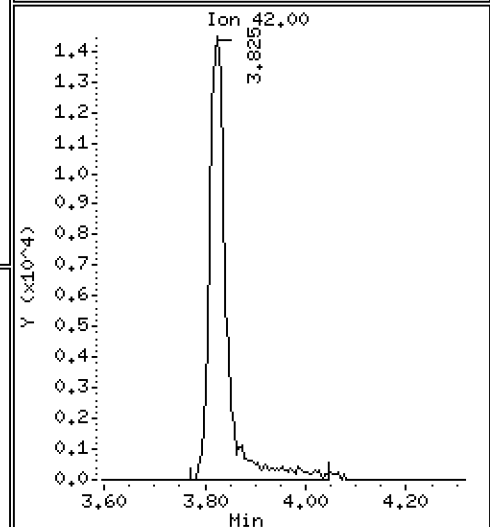
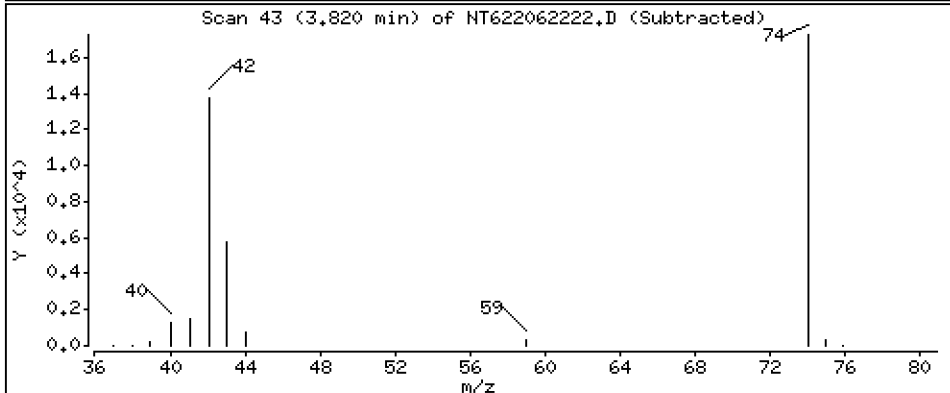
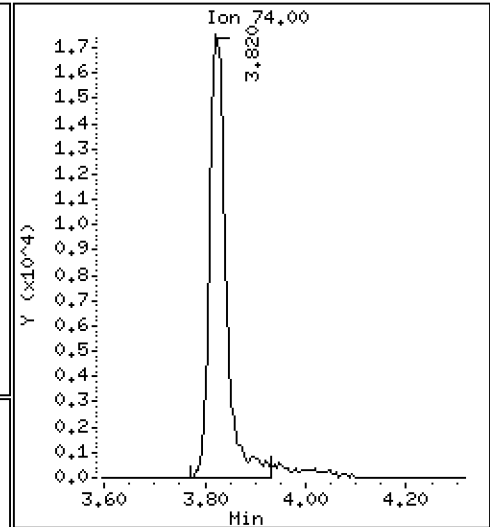
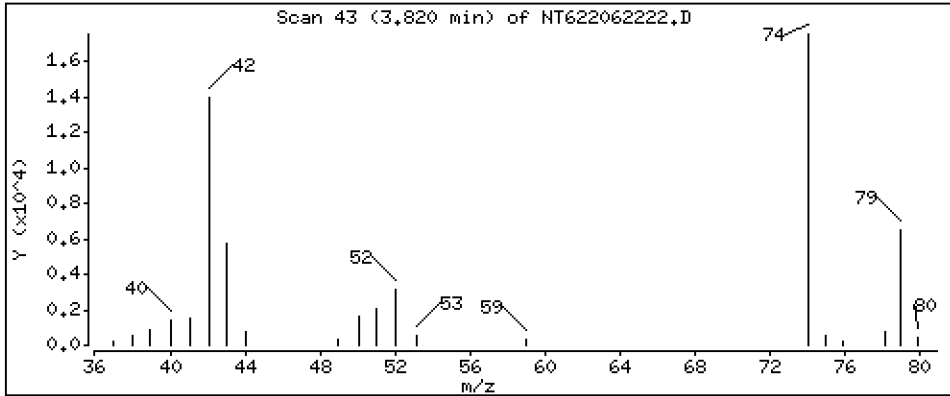
Operator: JZ

Column phase: ZB-5msi

Column diameter: 0.32

90 N-Nitrosodimethylamine

Concentration: 28.57 ug/mL



Date : 22-JUN-2022 22:54

Client ID:

Instrument: nt6.i

Sample Info: CCV220622,

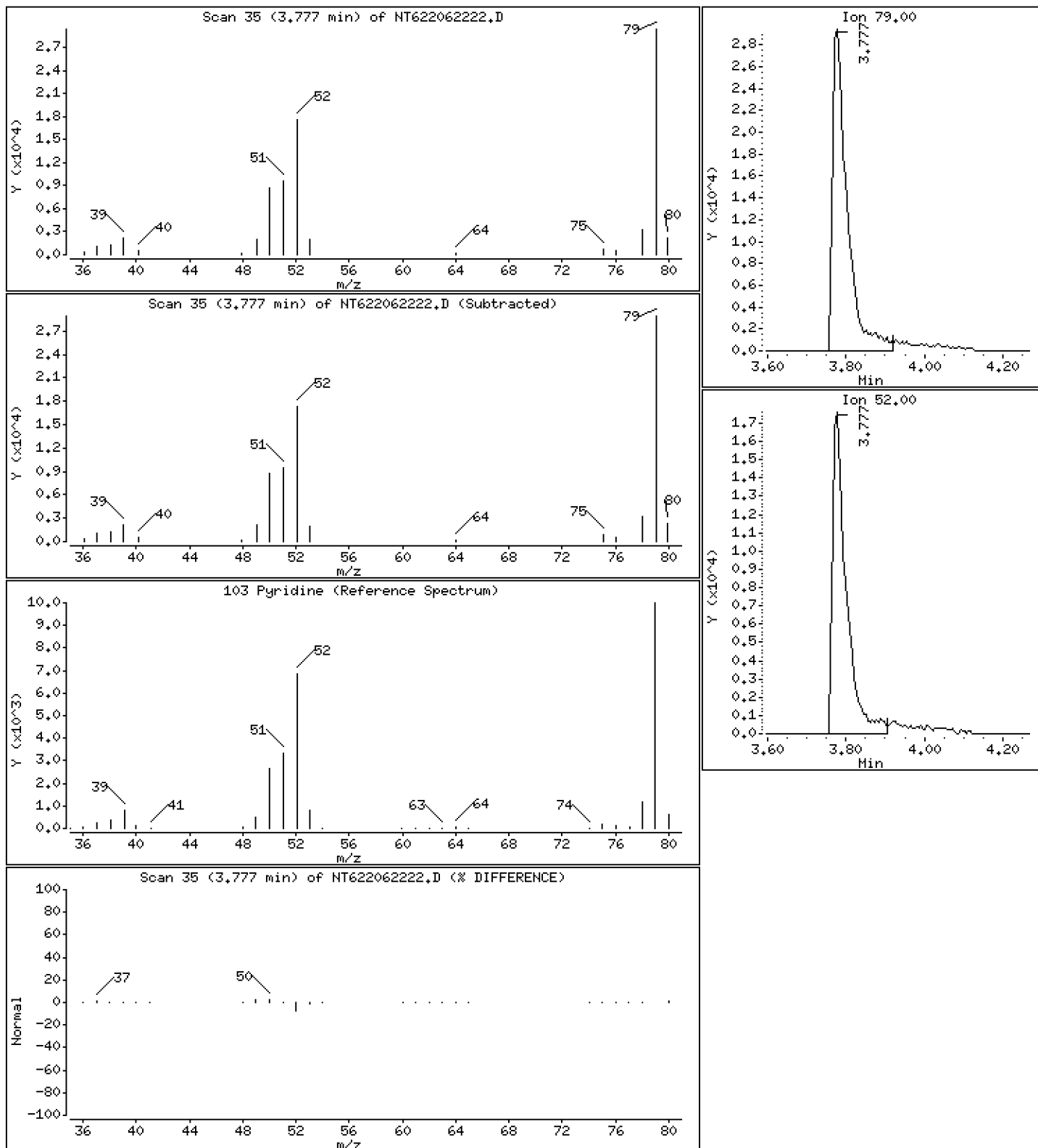
Operator: JZ

Column phase: ZB-5msi

Column diameter: 0.32

103 Pyridine

Concentration: 28.13 ug/mL



Date : 22-JUN-2022 22:54

Client ID:

Instrument: nt6.i

Sample Info: CCV220622,

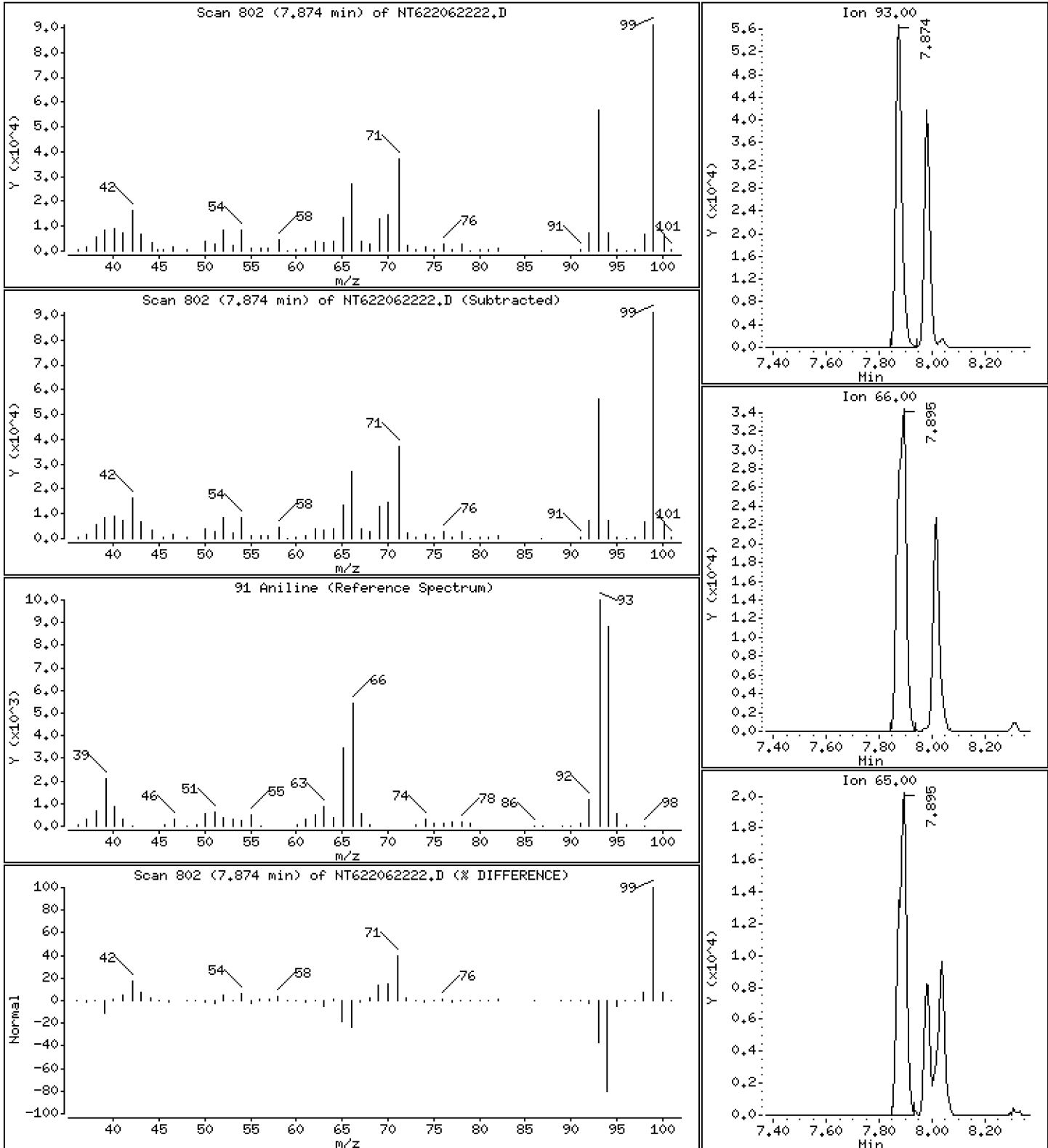
Operator: JZ

Column phase: ZB-5msi

Column diameter: 0.32

91 Aniline

Concentration: 22.57 ug/mL



Date : 22-JUN-2022 22:54

Client ID:

Instrument: nt6.i

Sample Info: CCV220622,

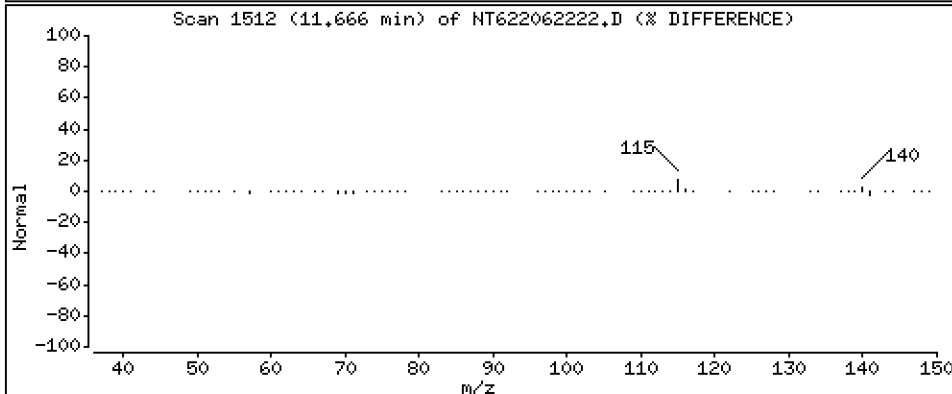
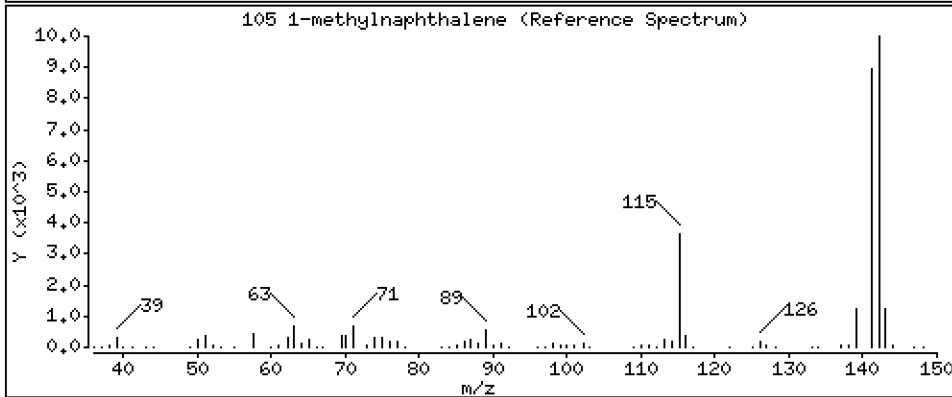
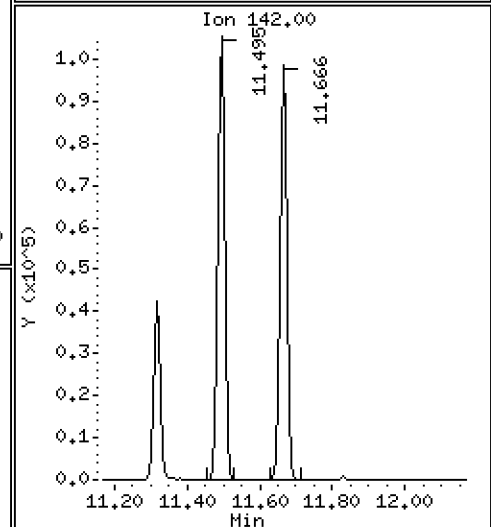
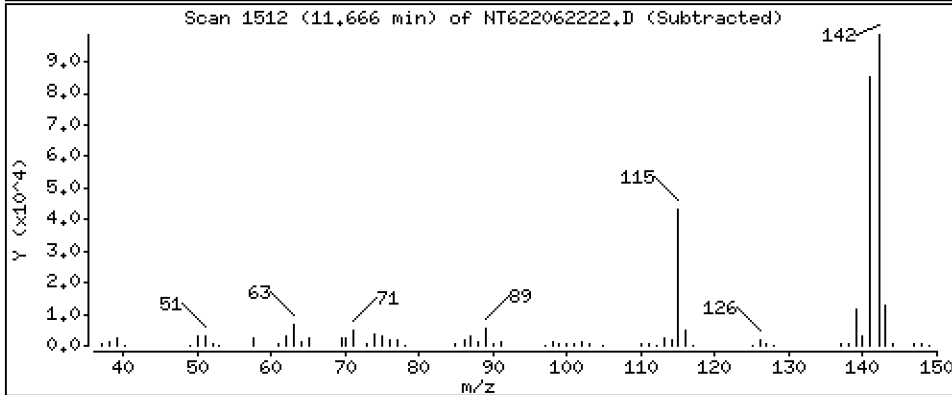
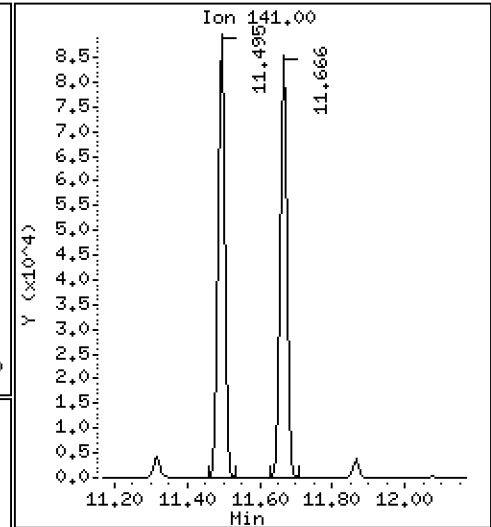
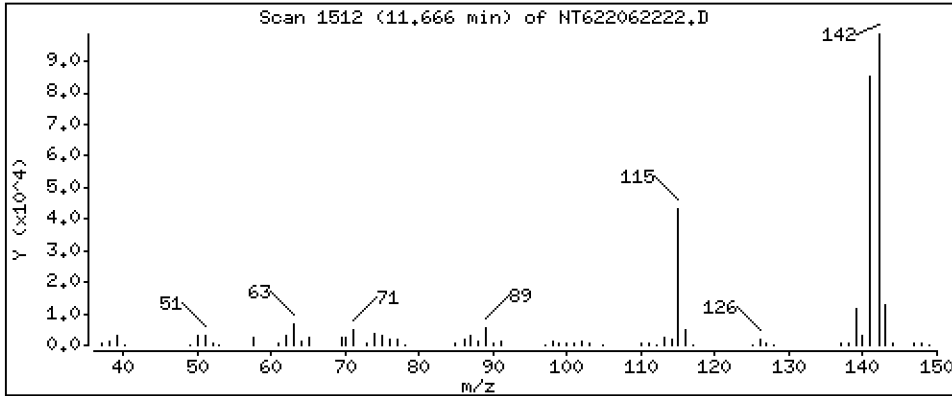
Operator: JZ

Column phase: ZB-5msi

Column diameter: 0.32

105 1-methylnaphthalene

Concentration: 25.65 ug/mL



Date : 22-JUN-2022 22:54

Client ID:

Instrument: nt6.i

Sample Info: CCV220622,

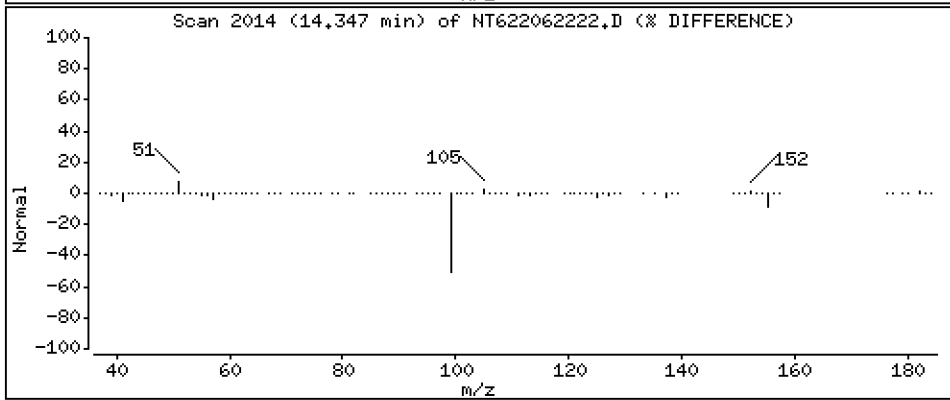
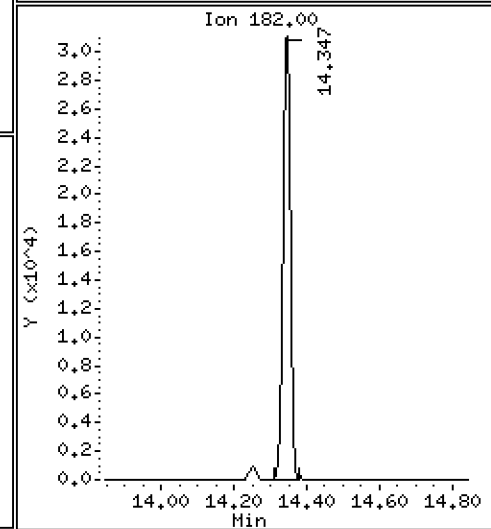
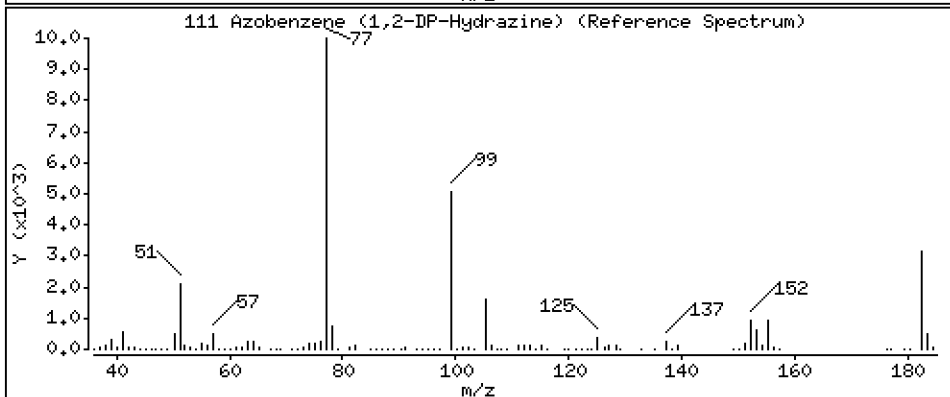
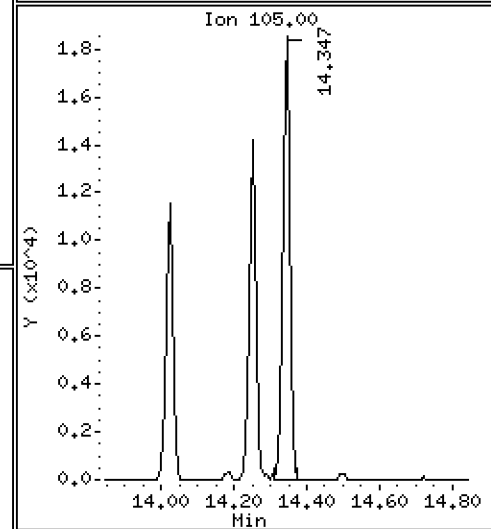
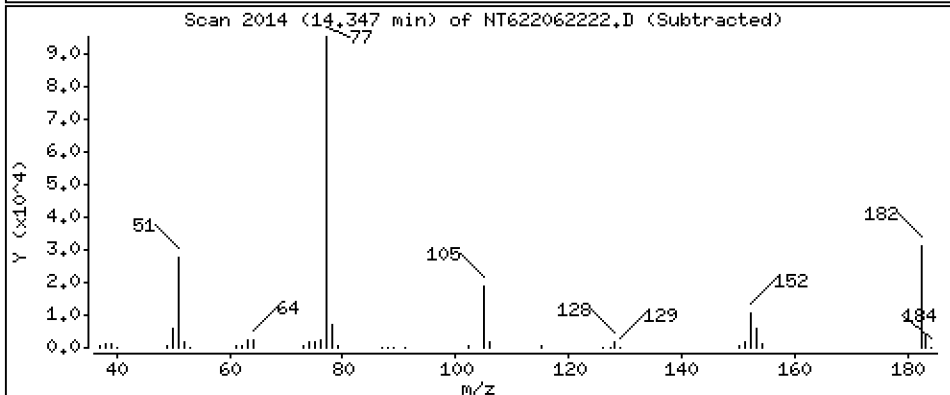
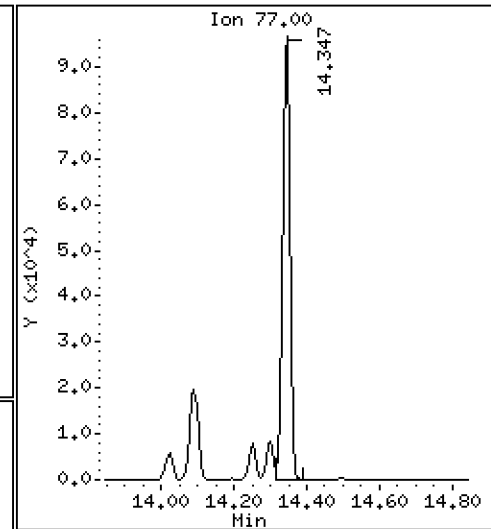
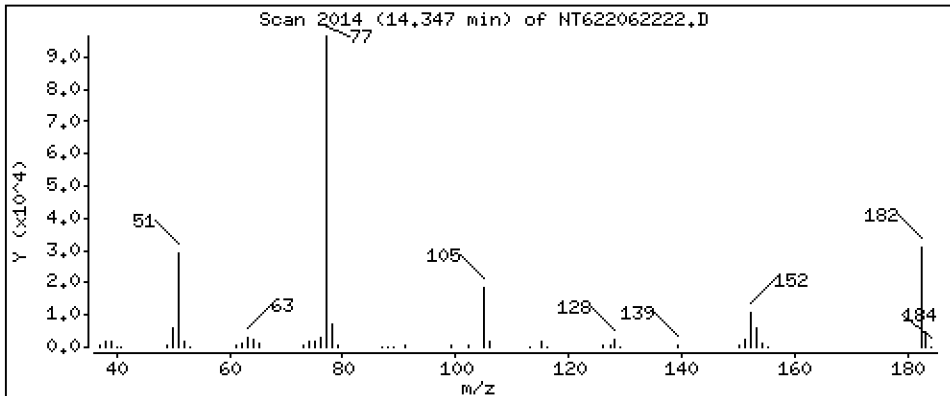
Operator: JZ

Column phase: ZB-5msi

Column diameter: 0.32

111 Azobenzene (1,2-DP-Hydrazine)

Concentration: 23.68 ug/mL



Date : 22-JUN-2022 22:54

Client ID:

Instrument: nt6.i

Sample Info: CCV220622,

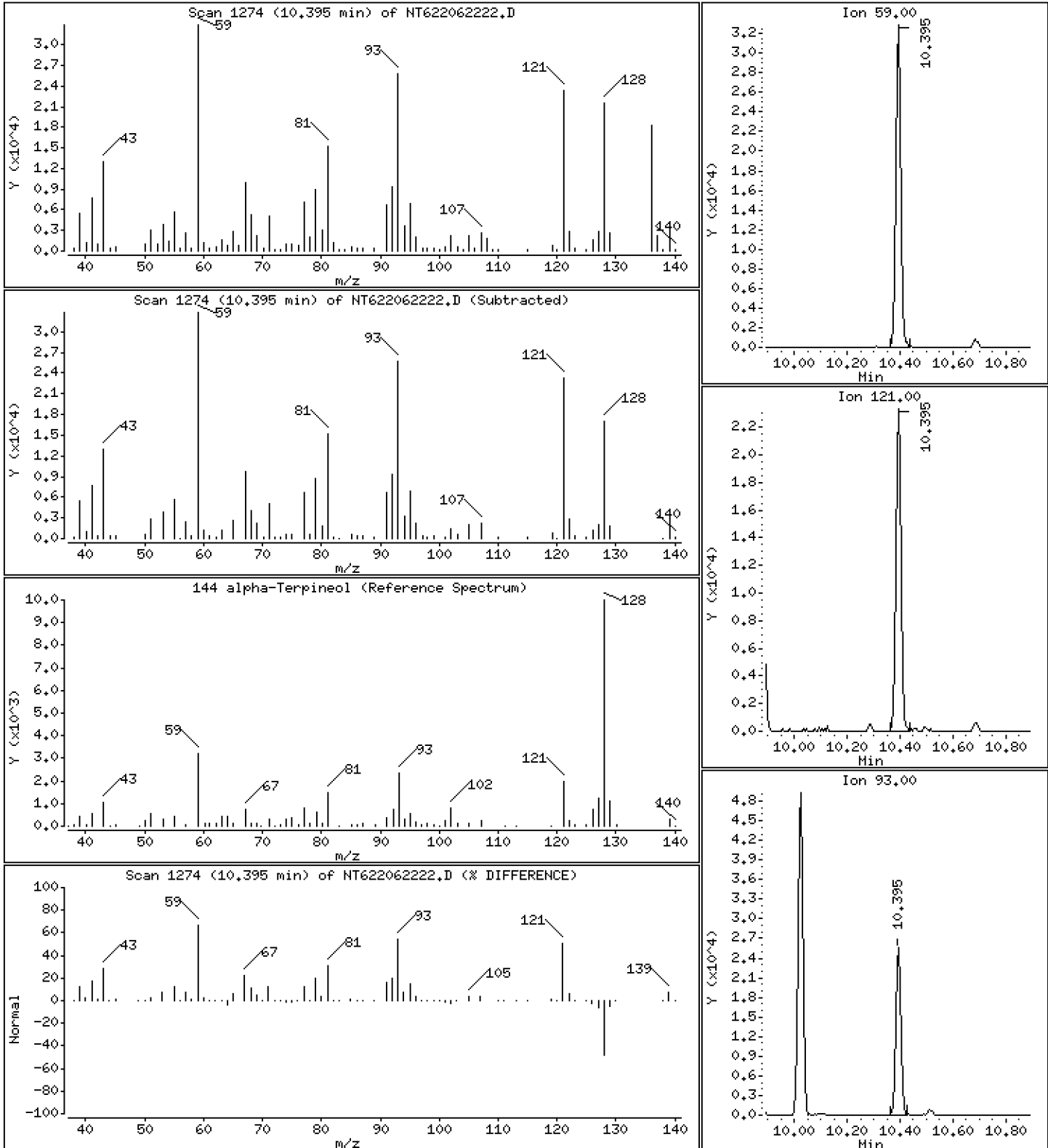
Operator: JZ

Column phase: ZB-5msi

Column diameter: 0.32

144 alpha-Terpineol

Concentration: 25.72 ug/mL



Date : 22-JUN-2022 22:54

Client ID:

Instrument: nt6.i

Sample Info: CCV220622,

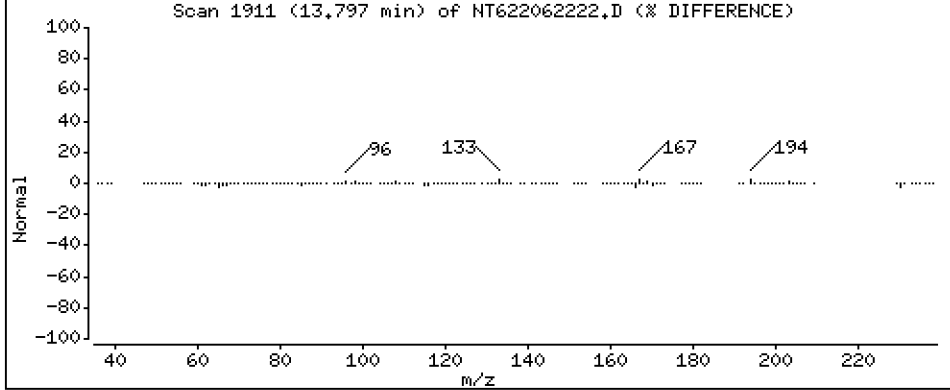
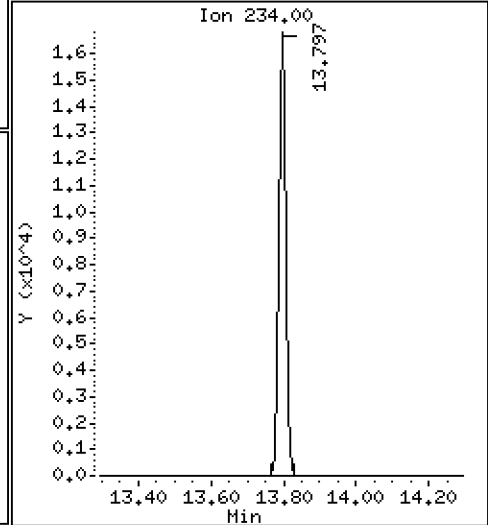
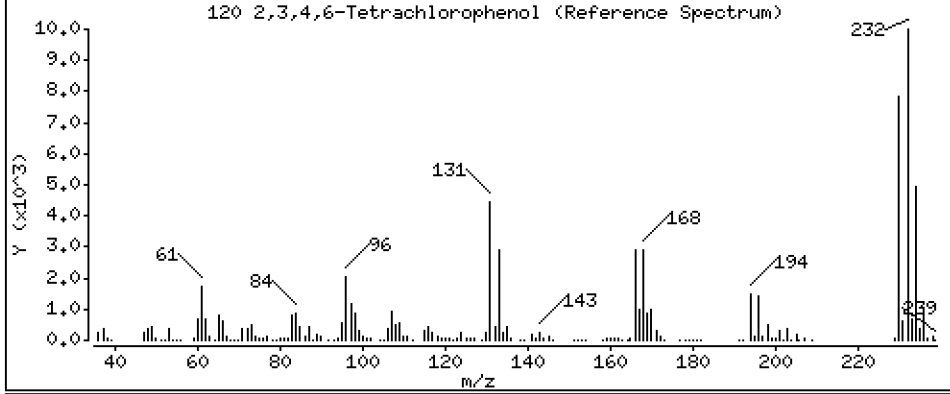
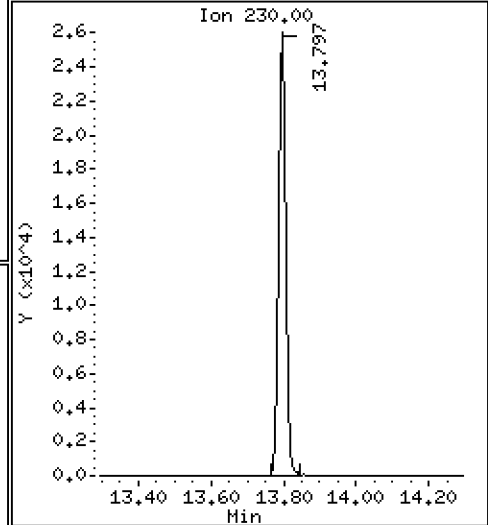
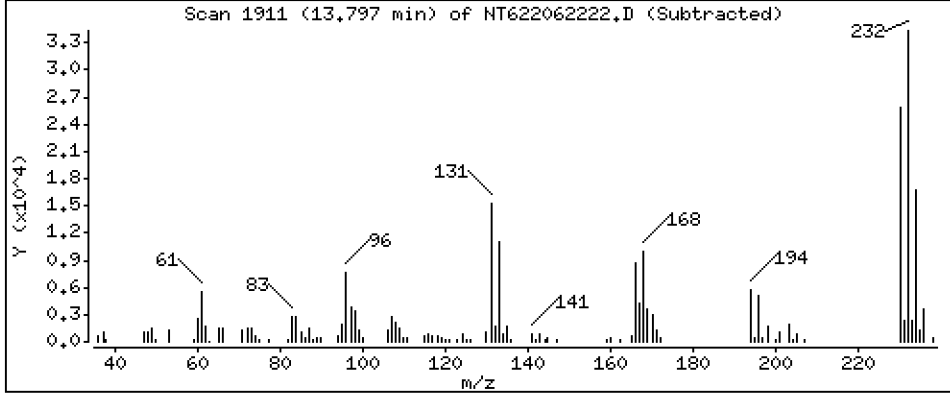
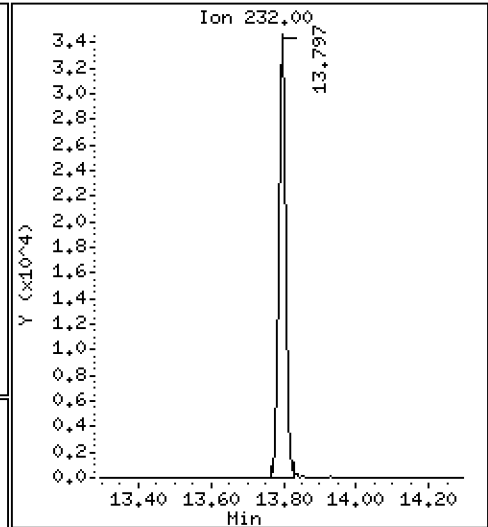
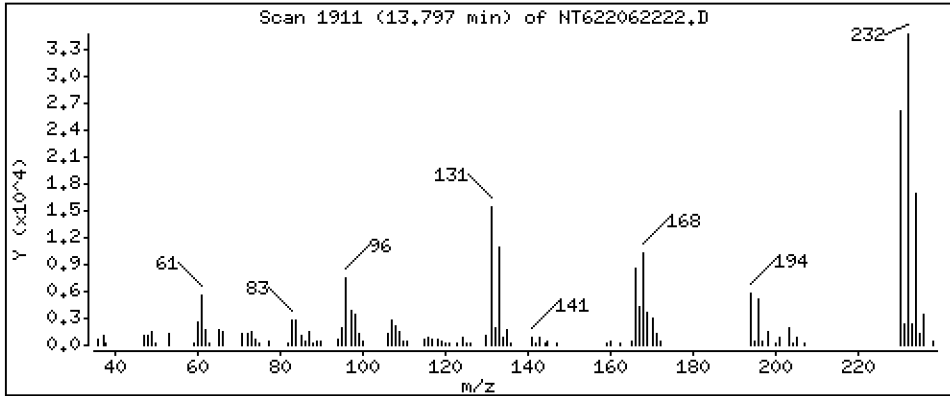
Operator: JZ

Column phase: ZB-5msi

Column diameter: 0.32

120 2,3,4,6-Tetrachlorophenol

Concentration: 24.97 ug/mL



Date : 22-JUN-2022 22:54

Client ID:

Instrument: nt6.i

Sample Info: CCV220622,

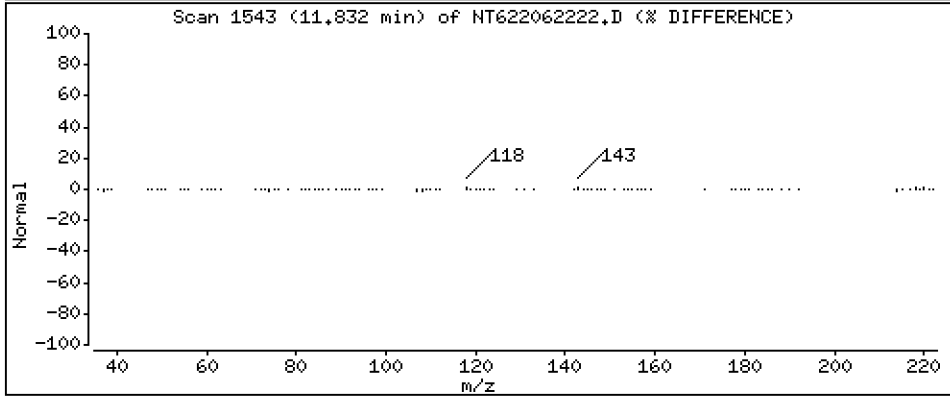
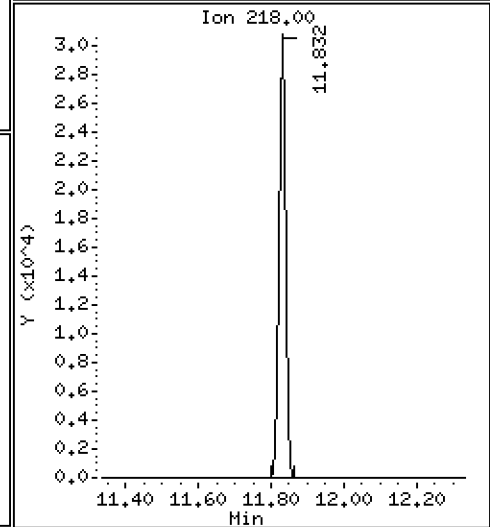
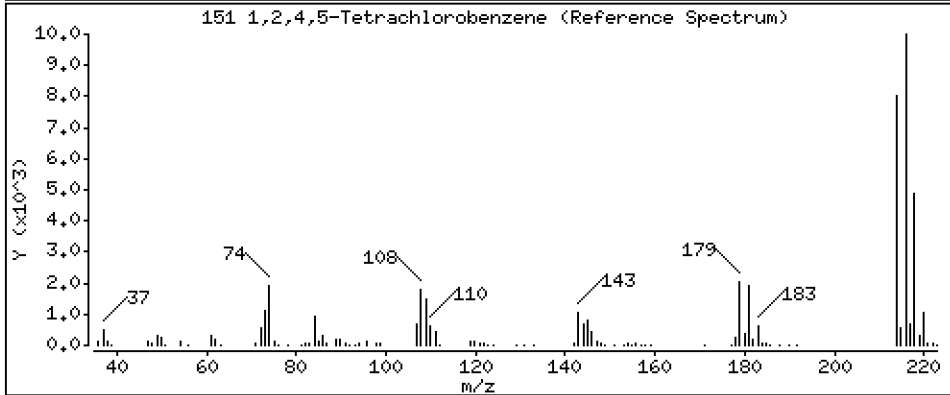
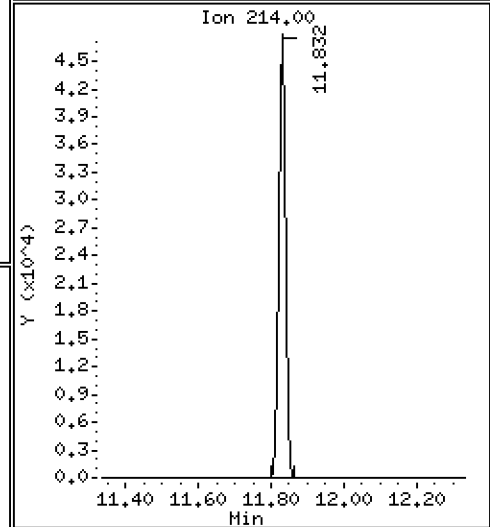
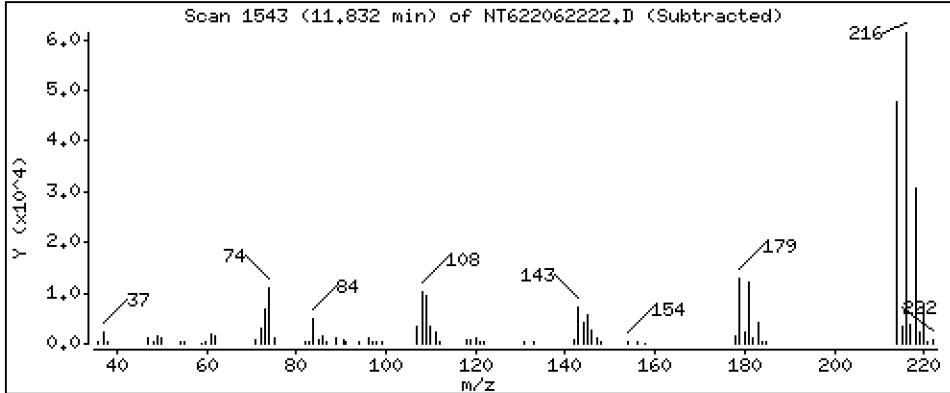
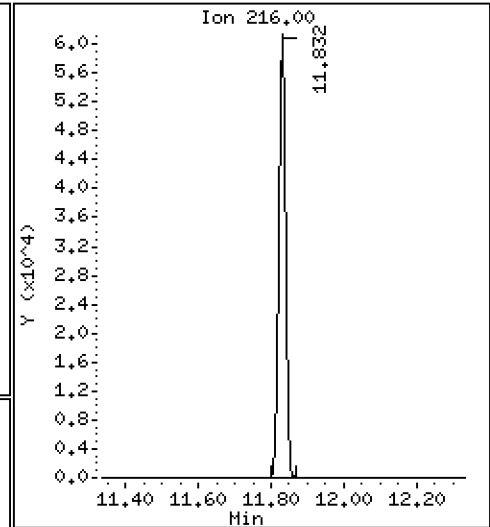
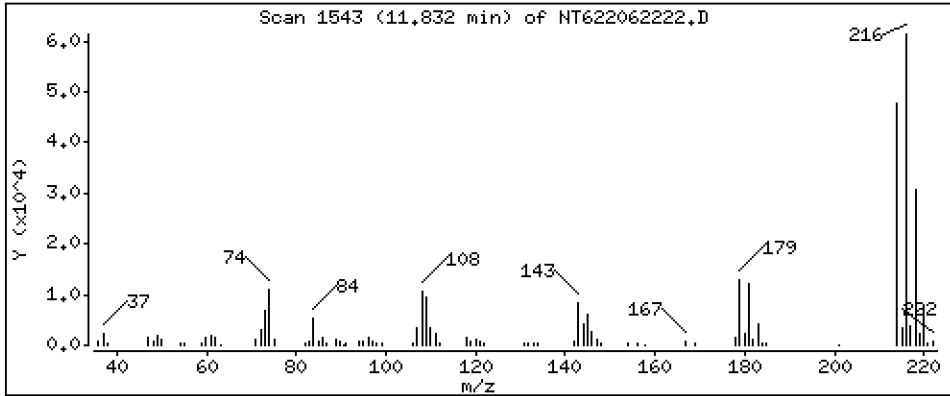
Operator: JZ

Column phase: ZB-5msi

Column diameter: 0.32

151 1,2,4,5-Tetrachlorobenzene

Concentration: 24.21 ug/mL



ARI Labs, Inc.

Semivolatile Report SW846 Method 8270D

Data file : \\target\share\chem3\nt6.i\20220622.b\NT62206222.D
 Lab Smp Id: SKF0267-CCV1
 Inj Date : 22-JUN-2022 22:54
 Operator : JZ Inst ID: nt6.i
 Smp Info : CCV220622,
 Misc Info : 22-
 Comment : 1ul Injection
 Method : \\target\share\chem3\nt6.i\20220622.b\SW84620220516.m
 Meth Date : 22-Jun-2022 18:32 jianqing Quant Type: ISTD
 Cal Date : 16-MAY-2022 18:52 Cal File: NT622051604.D
 Als bottle: 22
 Dil Factor: 1.00000
 Integrator: HP RTE Compound Sublist: ICALB.sub
 Target Version: 4.14
 Processing Host: JIANQING-202105

Compounds	QUANT	SIG	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS	
							ON-COLUMN	FINAL
	MASS						(ug/mL)	(ug/mL)
\$ 1 2-Fluorophenol	112		6.373	6.370	(0.767)	131634	43.1244	43.12
\$ 2 Phenol-d5	99		7.879	7.877	(0.948)	144687	41.4368	41.44
3 Phenol	94		7.895	7.893	(0.950)	94859	23.3733	23.37
\$ 5 2-Chlorophenol-d4	132		8.018	8.016	(0.965)	135289	42.8673	42.87
4 Bis(2-Chloroethyl)ether	93		7.980	7.983	(0.960)	61597	25.1515	25.15
6 2-Chlorophenol	128		8.039	8.037	(0.967)	79892	24.1097	24.11
7 1,3-Dichlorobenzene	146		8.253	8.251	(0.993)	87034	25.2798	25.28
* 8 1,4-Dichlorobenzene-d4	152		8.311	8.309	(1.000)	56474	20.0000	
9 1,4-Dichlorobenzene	146		8.338	8.336	(1.003)	83983	25.0068	25.01
\$ 10 1,2-Dichlorobenzene-d4	152		8.610	8.608	(1.036)	62882	27.8408	27.84
12 1,2-Dichlorobenzene	146		8.632	8.630	(1.039)	80334	25.1919	25.19
11 Benzyl alcohol	108		8.589	8.587	(1.033)	47131	24.8647	24.86
14 2,2'-oxybis(1-Chloropropane)	45		8.840	8.843	(1.064)	46981	24.9871	24.99
13 2-Methylphenol	108		8.813	8.811	(1.060)	66299	24.1194	24.12
17 Hexachloroethane	117		9.112	9.116	(1.096)	34421	25.4145	25.41
16 N-Nitroso-di-n-propylamine	70		9.059	9.057	(1.090)	46771	25.4734	25.47
15 4-Methylphenol	108		9.043	9.041	(1.088)	70743	24.1280	24.13
\$ 18 Nitrobenzene-d5	82		9.235	9.239	(0.893)	86156	29.1803	29.18
19 Nitrobenzene	77		9.267	9.265	(0.896)	72517	25.8633	25.86
20 Isophorone	82		9.641	9.639	(0.932)	95256	26.7980	26.80
21 2-Nitrophenol	139		9.780	9.778	(0.945)	43636	25.1523	25.15
22 2,4-Dimethylphenol	107		9.876	9.874	(0.955)	81457	24.9732	24.97
23 Bis(2-Chloroethoxy)methane	93		10.026	10.024	(0.969)	63449	25.0069	25.01
24 Benzoic acid	105		10.122	10.115	(0.978)	134674	64.6947	64.69
25 2,4-Dichlorophenol	162		10.159	10.157	(0.982)	65144	24.5111	24.51
26 1,2,4-Trichlorobenzene	180		10.288	10.285	(0.994)	77104	25.4608	25.46
* 27 Naphthalene-d8	136		10.346	10.350	(1.000)	192275	20.0000	
28 Naphthalene	128		10.378	10.376	(1.003)	203417	25.1704	25.17
29 4-Chloroaniline	127		10.517	10.515	(1.017)	75885	22.8464	22.85
30 Hexachlorobutadiene	225		10.688	10.691	(1.033)	52656	26.9496	26.95
31 4-Chloro-3-methylphenol	107		11.318	11.316	(1.094)	67367	25.1669	25.17
32 2-Methylnaphthalene	141		11.495	11.493	(1.111)	117463	25.4537	25.45
33 Hexachlorocyclopentadiene	237		11.868	11.872	(0.899)	36408	16.6539	16.65

Compounds	QUANT SIG					CONCENTRATIONS	
	MASS	RT	EXP RT	REL RT	RESPONSE	ON-COLUMN (ug/mL)	FINAL (ug/mL)
34 2,4,6-Trichlorophenol	196	12.002	12.005	(0.909)	54842	24.2981	24.30
35 2,4,5-Trichlorophenol	196	12.066	12.064	(0.914)	56357	23.4481	23.45
\$ 36 2-Fluorobiphenyl	172	12.136	12.133	(0.919)	199523	27.1361	27.14
37 2-Chloronaphthalene	162	12.274	12.272	(0.930)	139176	23.7762	23.78
38 2-Nitroaniline	65	12.509	12.507	(0.947)	34241	23.1401	23.14
39 Dimethylphthalate	163	12.873	12.876	(0.975)	162831	25.4192	25.42
40 Acenaphthylene	152	12.953	12.956	(0.981)	225449	23.7542	23.75
41 2,6-Dinitrotoluene	165	12.974	12.972	(0.983)	37414	25.6216	25.62
* 42 Acenaphthene-d10	164	13.204	13.207	(1.000)	120865	20.0000	
43 3-Nitroaniline	138	13.188	13.186	(0.999)	31943	22.4007	22.40
44 Acenaphthene	153	13.257	13.255	(1.004)	136131	24.1920	24.19
45 2,4-Dinitrophenol	184	13.348	13.351	(1.011)	31235	35.8792	35.88
46 Dibenzofuran	168	13.514	13.517	(1.023)	197035	24.2291	24.23
47 4-Nitrophenol	109	13.492	13.490	(1.022)	27746	26.9214	26.92
48 2,4-Dinitrotoluene	165	13.599	13.597	(1.030)	47827	25.3779	25.38
50 Diethylphthalate	149	14.026	14.030	(1.062)	162892	26.3255	26.33
49 Fluorene	166	14.074	14.078	(1.066)	160572	24.6834	24.68
51 4-Chlorophenyl-phenylether	204	14.090	14.094	(1.067)	88966	24.3707	24.37
52 4-Nitroaniline	138	14.187	14.184	(1.074)	29668	23.0059	23.01
53 4,6-Dinitro-2-methylphenol	198	14.251	14.254	(0.915)	49912	40.0407	40.04
54 N-Nitrosodiphenylamine	169	14.299	14.302	(0.918)	113029	22.9054	22.91
\$ 55 2,4,6-Tribromophenol	330	14.502	14.500	(1.098)	44975	43.7326	43.73
56 4-Bromophenyl-phenylether	248	14.876	14.879	(0.955)	51203	23.9434	23.94
57 Hexachlorobenzene	284	15.100	15.103	(0.969)	56196	24.1462	24.15
58 Pentachlorophenol	266	15.394	15.397	(0.988)	36325	23.3644	23.36
* 59 Phenanthrene-d10	188	15.581	15.584	(1.000)	227658	20.0000	
60 Phenanthrene	178	15.618	15.621	(1.002)	225852	24.0677	24.07
61 Anthracene	178	15.693	15.696	(1.007)	216363	23.0500	23.05
62 Carbazole	167	15.976	15.974	(1.025)	199081	24.6733	24.67
63 Di-n-butylphthalate	149	16.670	16.673	(1.070)	267659	26.4906	26.49
64 Fluoranthene	202	17.557	17.560	(1.127)	292654	27.5936	27.59
65 Pyrene	202	17.915	17.918	(0.900)	294454	20.8532	20.85
\$ 66 Terphenyl-d14	244	18.219	18.222	(0.915)	243762	22.7989	22.80
67 Butylbenzylphthalate	149	19.095	19.098	(0.959)	130849	23.6699	23.67
68 Benzo(a)anthracene	228	19.875	19.878	(0.999)	304740	24.4379	24.44
* 69 Chrysene-d12	240	19.901	19.905	(1.000)	224903	20.0000	
70 3,3'-Dichlorobenzidine	252	19.885	19.883	(0.999)	103316	27.6616	27.66
71 Chrysene	228	19.944	19.947	(1.002)	273872	23.9073	23.91
72 bis(2-Ethylhexyl)phthalate	149	20.078	20.086	(0.955)	162203	23.2456	23.25
* 134 Di-n-octylphthalate-d4	153	21.018	21.021	(1.000)	301619	20.0000	
73 Di-n-octylphthalate	149	21.028	21.026	(1.000)	299717	23.8095	23.81
74 Benzo(b)fluoranthene	252	21.536	21.539	(0.976)	320272	25.8366	25.84
75 Benzo(k)fluoranthene	252	21.568	21.571	(0.977)	327251	26.3471	26.35
187 Total Benzofluoranthenes	252	21.568	21.571	(0.977)	616149	52.2324	52.23
76 Benzo(a)pyrene	252	21.990	21.988	(0.996)	284860	24.4878	24.49
* 77 Perylene-d12	264	22.070	22.068	(1.000)	251105	20.0000	
78 Indeno(1,2,3-cd)pyrene	276	23.672	23.676	(1.073)	313645	18.4461	18.45
79 Dibenzo(a,h)anthracene	278	23.699	23.702	(1.074)	266041	18.7043	18.70
80 Benzo(g,h,i)perylene	276	24.126	24.135	(1.093)	234451	16.0762	16.08
90 N-Nitrosodimethylamine	74	3.819	3.817	(0.460)	40714	28.5700	28.57
103 Pyridine	79	3.777	3.769	(0.454)	75465	28.1349	28.13
91 Aniline	93	7.873	7.871	(0.947)	94195	22.5700	22.57
105 1-methylnaphthalene	141	11.666	11.669	(1.127)	111714	25.6485	25.65
111 Azobenzene (1,2-DP-Hydrazine)	77	14.347	14.345	(0.921)	137228	23.6759	23.68

Compounds	QUANT SIG	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS	
						ON-COLUMN (ug/mL)	FINAL (ug/mL)
144 alpha-Terpineol	59	10.394	10.392	(1.005)	42753	25.7200	25.72
120 2,3,4,6-Tetrachlorophenol	232	13.797	13.795	(1.045)	45879	24.9670	24.97
151 1,2,4,5-Tetrachlorobenzene	216	11.831	11.834	(0.896)	80306	24.2084	24.21

ARI Labs, Inc.

INTERNAL STANDARD COMPOUNDS
 AREA AND RT SUMMARY

Instrument ID: nt6.i Calibration Date: 22-JUN-2022
 Lab File ID: NT622062222.D Calibration Time: 10:58
 Lab Smp Id: SKF0267-CCV1
 Analysis Type: SV Level:
 Quant Type: ISTD Sample Type:
 Operator: JZ
 Method File: \\target\share\chem3\nt6.i\20220622.b\SW84620220516.m
 Misc Info: 22-

Test Mode:
 Use Last Continuing Calibrator.

COMPOUND	STANDARD	AREA LIMIT		SAMPLE	%DIFF
		LOWER	UPPER		
8 1,4-Dichlorobenze	56102	28051	112204	56474	0.66
27 Naphthalene-d8	190364	95182	380728	192275	1.00
42 Acenaphthene-d10	122124	61062	244248	120865	-1.03
59 Phenanthrene-d10	231281	115641	462562	227658	-1.57
69 Chrysene-d12	202750	101375	405500	224903	10.93
134 Di-n-octylphthala	284466	142233	568932	301619	6.03
77 Perylene-d12	214859	107430	429718	251105	16.87

COMPOUND	STANDARD	RT LIMIT		SAMPLE	%DIFF
		LOWER	UPPER		
8 1,4-Dichlorobenze	8.31	7.81	8.81	8.31	0.03
27 Naphthalene-d8	10.35	9.85	10.85	10.35	-0.03
42 Acenaphthene-d10	13.21	12.71	13.71	13.20	-0.02
59 Phenanthrene-d10	15.58	15.08	16.08	15.58	-0.02
69 Chrysene-d12	19.91	19.41	20.41	19.90	-0.02
134 Di-n-octylphthala	21.02	20.52	21.52	21.02	-0.02
77 Perylene-d12	22.07	21.57	22.57	22.07	0.01

AREA UPPER LIMIT = +100% of internal standard area.
 AREA LOWER LIMIT = - 50% of internal standard area.
 RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
 RT LOWER LIMIT = - 0.50 minutes of internal standard RT.

REVIEW SUMMARY FOR FILE - NT622062222.D

Lab ID: SKF0267-CCV1
nt6.i, SW84620220516.m, 22-JUN-2022 22:54

RT CO-ELUTION COMPOUNDS

NO CO-ELUTIONS

Quant Method: ICAL

No RRT check performed

On Column LOD for nt6.i, SW84620220516.m, ICALB.sub = 0.0100

* Only compounds listed in the work order have been verified by the analyst *



CONTINUING CALIBRATION CHECK
EPA 8270E

Laboratory: Analytical Resources, LLC

SDG: 22F0267

Client: GeoEngineers

Project: RG Haley Site-Bellingham

Instrument ID: NT10

Calibration: FF00062

Lab File ID: NT1022062332.D

Calibration Date: 06/23/2022

Sequence: SKF0270

Injection Date: 06/24/22

Lab Sample ID: SKF0270-CCV1

Injection Time: 04:54

Sequence Name: ABN 5

COMPOUND	TYPE	CONC. (ug/mL)		RESPONSE FACTOR (RRF)			% DRIFT/DIFF	
		STD	CCV	ICAL	CCV	MIN	CCV	LIMIT
Phenol	A	5.0000	5.0	1.8884920	1.8990370		0.6	+/-50
bis(2-chloroethyl) ether	A	5.0000	4.9	1.3591220	1.3198970		-2.9	+/-50
2-Chlorophenol	A	5.0000	5.0	1.5055700	1.4966870		-0.6	+/-50
1,3-Dichlorobenzene	A	5.0000	4.9	1.6284120	1.5915440		-2.3	+/-50
1,4-Dichlorobenzene	A	5.0000	5.1	1.2836070	1.3114460		2.2	+/-50
1,2-Dichlorobenzene	A	5.0000	5.0	1.3626570	1.3619860		-0.05	+/-50
Benzyl Alcohol	A	5.0000	6.0	0.7522971	0.8987263		19.5	+/-50
2,2'-Oxybis(1-chloropropane)	A	5.0000	4.9	0.3222545	0.3182964		-1.2	+/-50
2-Methylphenol	A	5.0000	5.2	1.1643690	1.2112290		4.0	+/-50
Hexachloroethane	A	5.0000	4.5	0.5721944	0.5147946		-10.0	+/-50
N-Nitroso-di-n-Propylamine	A	5.0000	4.9	0.8097827	0.7936129		-2.0	+/-50
4-Methylphenol	A	5.0000	5.1	1.2443490	1.2800220		2.9	+/-50
Nitrobenzene	A	5.0000	5.1	0.4289874	0.4387365		2.3	+/-50
Isophorone	A	5.0000	5.4	0.6205796	0.6724531		8.4	+/-50
2-Nitrophenol	A	5.0000	5.3	0.2709617	0.2846833		5.1	+/-50
2,4-Dimethylphenol	A	10.000	9.7	0.3291631	0.3183693		-3.3	+/-50
Bis(2-Chloroethoxy)methane	A	5.0000	4.7	0.3728438	0.3485503		-6.5	+/-50
2,4-Dichlorophenol	A	10.000	10.3	0.3345374	0.3455362		3.3	+/-50
1,2,4-Trichlorobenzene	A	5.0000	4.6	0.3494981	0.3277170		-8.7	+/-50
Naphthalene	A	5.0000	5.2	1.0237250	1.0606650		3.6	+/-50
Benzoic acid	A	20.000	21.6	0.1354719	0.1904231		7.8	+/-50
4-Chloroaniline	A	10.000	11.4	0.4520265	0.5134714		13.6	+/-50
Hexachlorobutadiene	A	5.0000	5.0	0.1713061	0.1723680		0.6	+/-50
4-Chloro-3-Methylphenol	A	10.000	9.9	0.3652577	0.4019285		-0.6	+/-50
2-Methylnaphthalene	A	5.0000	5.3	1.0174370	1.0851480		6.7	+/-50
Hexachlorocyclopentadiene	A	10.000	2.0	0.1773971	0.0451338		-80.4	+/-50 *
2,4,6-Trichlorophenol	A	10.000	11.5	0.4546098	0.5232949		15.1	+/-50
2,4,5-Trichlorophenol	A	10.000	10.5	0.4787210	0.5701706		5.4	+/-50
2-Chloronaphthalene	A	5.0000	5.2	1.5957070	1.6569930		3.8	+/-50
2-Nitroaniline	A	10.000	10.9	0.4268379	0.4642442		8.8	+/-50
Acenaphthylene	A	5.0000	4.8	2.3382150	2.2360110		-4.4	+/-50
Dimethylphthalate	A	5.0000	4.9	1.4027420	1.3620720		-2.9	+/-50
2,6-Dinitrotoluene	A	10.000	10.3	0.3257863	0.3349100		2.8	+/-50

* Values outside of QC limits



CONTINUING CALIBRATION CHECK
EPA 8270E

Laboratory: Analytical Resources, LLC

SDG: 22F0267

Client: GeoEngineers

Project: RG Haley Site-Bellingham

Instrument ID: NT10

Calibration: FF00062

Lab File ID: NT1022062332.D

Calibration Date: 06/23/2022

Sequence: SKF0270

Injection Date: 06/24/22

Lab Sample ID: SKF0270-CCV1

Injection Time: 04:54

Sequence Name: ABN 5

COMPOUND	TYPE	CONC. (ug/mL)		RESPONSE FACTOR (RRF)			% DRIFT/DIFF	
		STD	CCV	ICAL	CCV	MIN	CCV	LIMIT
Acenaphthene	A	5.0000	5.3	1.1633080	1.2257300		5.4	+/-50
3-Nitroaniline	A	10.000	10.4	0.3835195	0.3989627		4.0	+/-50
2,4-Dinitrophenol	A	20.000	18.3	0.1087769	0.1379360		-8.6	+/-50
Dibenzofuran	A	5.0000	5.3	1.8487680	1.9758720		6.9	+/-50
4-Nitrophenol	A	10.000	10.8	0.1044372	0.1379346		7.6	+/-50
2,4-Dinitrotoluene	A	10.000	10.9	0.4354293	0.4742356		8.9	+/-50
Fluorene	A	5.0000	3.7	2.2090760	1.6488990		-25.4	+/-50
4-Chlorophenylphenyl ether	A	5.0000	2.3	0.9701069	0.4411048		-54.5	+/-50 *
Diethyl phthalate	A	5.0000	5.2	1.2033170	1.2427630		3.3	+/-50
4-Nitroaniline	A	10.000	10.9	0.3841274	0.4203448		9.4	+/-50
4,6-Dinitro-2-methylphenol	A	20.000	22.5	0.1197775	0.1757567		12.6	+/-50
N-Nitrosodiphenylamine	A	5.0000	5.8	0.6289655	0.7299763		16.1	+/-50
4-Bromophenyl phenyl ether	A	5.0000	5.7	0.2914116	0.3304383		13.4	+/-50
Hexachlorobenzene	A	5.0000	5.5	0.2851630	0.2904225		9.6	+/-50
Pentachlorophenol	A	10.000	11.1	0.0462824	0.0701134		11.1	+/-50
Phenanthrene	A	5.0000	5.2	1.0508770	1.0824980		3.0	+/-50
Anthracene	A	5.0000	5.1	1.1198770	1.1417810		2.0	+/-50
Carbazole	A	5.0000	4.8	1.0331450	0.9951296		-3.7	+/-50
Di-n-Butylphthalate	A	5.0000	4.3	1.4847320	1.3739500		-13.9	+/-50
Fluoranthene	A	5.0000	4.7	2.5859780	2.7628120		-5.3	+/-50
Pyrene	A	5.0000	4.7	2.4339860	2.4238610		-5.4	+/-50
Butylbenzylphthalate	A	5.0000	6.2	0.8080700	1.0082330		24.8	+/-50
Benzo(a)anthracene	A	5.0000	4.5	1.6949770	1.5358020		-9.4	+/-50
3,3'-Dichlorobenzidine	A	15.000	12.8	0.5523250	0.4708531		-14.8	+/-50
Chrysene	A	5.0000	5.4	1.1695310	1.2767420		7.4	+/-50
bis(2-Ethylhexyl)phthalate	A	5.0000	6.3	0.4421262	0.5574101		26.1	+/-50
Di-n-Octylphthalate	A	5.0000	5.3	0.9091601	0.9613518		5.7	+/-50
Benzo(a)fluoranthene, Total	A	10.000	8.6	1.6890580	1.4486900		-14.2	+/-50
Benzo(a)pyrene	A	5.0000	4.5	1.4826420	1.3263910		-10.5	+/-50
Indeno(1,2,3-cd)pyrene	A	5.0000	4.0	1.5830350	1.2558890		-20.7	+/-50
Dibenzo(a,h)anthracene	A	5.0000	4.3	1.2118700	1.0424860		-14.0	+/-50
Benzo(g,h,i)perylene	A	5.0000	3.4	1.2654270	0.8499629		-32.8	+/-50
1-Methylnaphthalene	A	5.0000	5.3	0.9995882	1.0572100		5.8	+/-50
2-Fluorophenol	A	7.5000	7.55	1.4606150	1.4695270		0.6	+/-50

* Values outside of QC limits



CONTINUING CALIBRATION CHECK
EPA 8270E

Laboratory: Analytical Resources, LLC

SDG: 22F0267

Client: GeoEngineers

Project: RG Haley Site-Bellingham

Instrument ID: NT10

Calibration: FF00062

Lab File ID: NT1022062332.D

Calibration Date: 06/23/2022

Sequence: SKF0270

Injection Date: 06/24/22

Lab Sample ID: SKF0270-CCV1

Injection Time: 04:54

Sequence Name: ABN 5

COMPOUND	TYPE	CONC. (ug/mL)		RESPONSE FACTOR (RRF)			% DRIFT/DIFF	
		STD	CCV	ICAL	CCV	MIN	CCV	LIMIT
Phenol-d5	A	7.5000	7.99	2.1672350	2.3091140		6.5	+/-50
2-Chlorophenol-d4	A	7.5000	7.53	1.4882780	1.4940820		0.4	+/-50
1,2-Dichlorobenzene-d4	A	5.0000	5.05	0.9170783	0.9254303		0.9	+/-50
Nitrobenzene-d5	A	5.0000	5.14	0.4256249	0.4375978		2.8	+/-50
2-Fluorobiphenyl	A	5.0000	5.16	1.8101110	1.8694780		3.3	+/-50
2,4,6-Tribromophenol	A	7.5000	7.10	0.1582114	0.1723915		-5.4	+/-50
p-Terphenyl-d14	A	5.0000	4.84	1.3958840	1.3518320		-3.2	+/-50

* Values outside of QC limits

Data File: \\target\share\chem3\nt10.1\20220623.1\NT1022062332.D

Date: 24-JUN-2022 04:54

Client ID:

Sample Info: SKF0270-CCW1

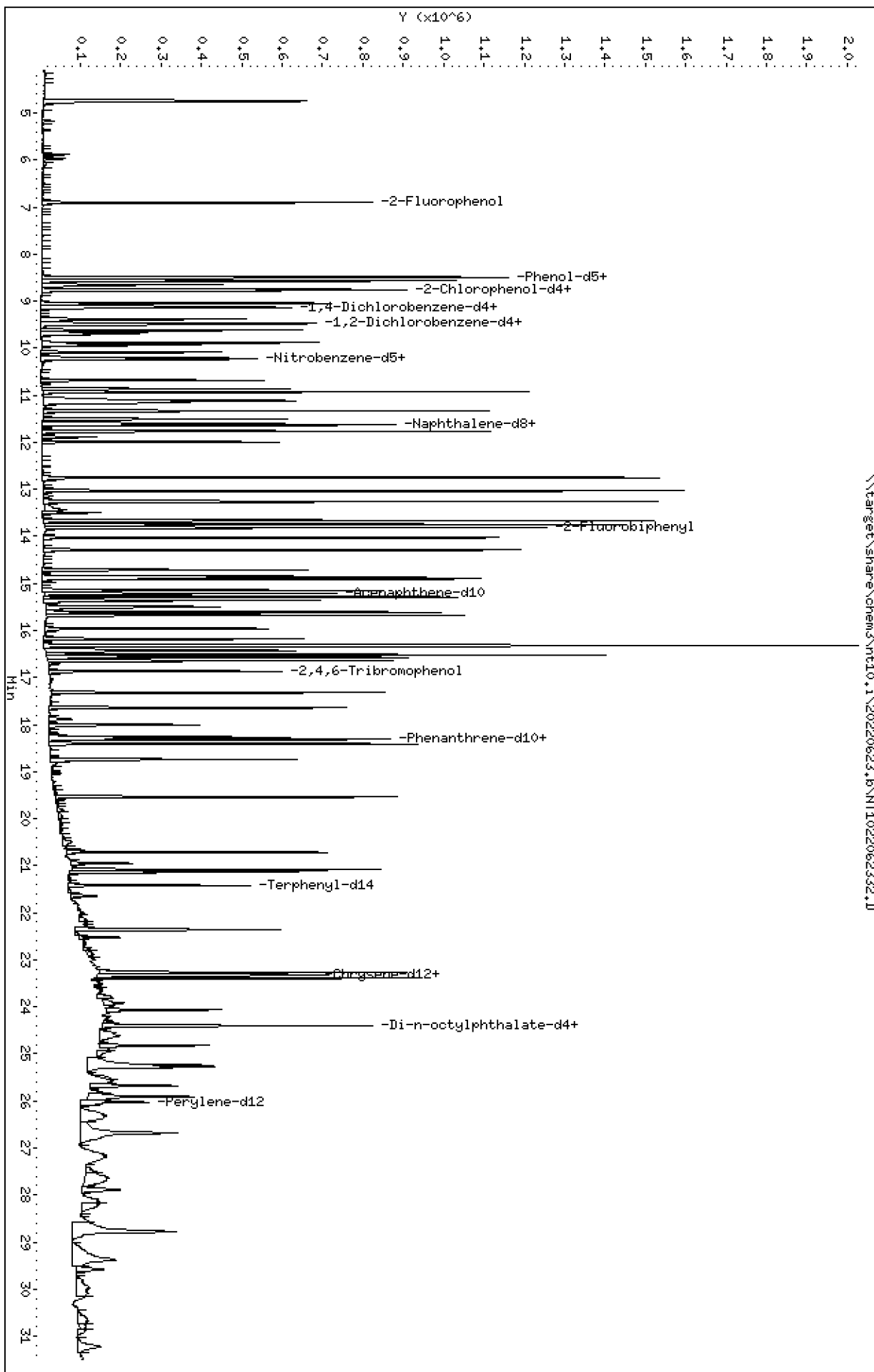
Column phase: ZB-5msi

Instrument: nt10.1

Operator: VTS

Column diameter: 0.25

Page 1



Date : 24-JUN-2022 04:54

Client ID:

Instrument: nt10.i

Sample Info: SKF0270-CCV1

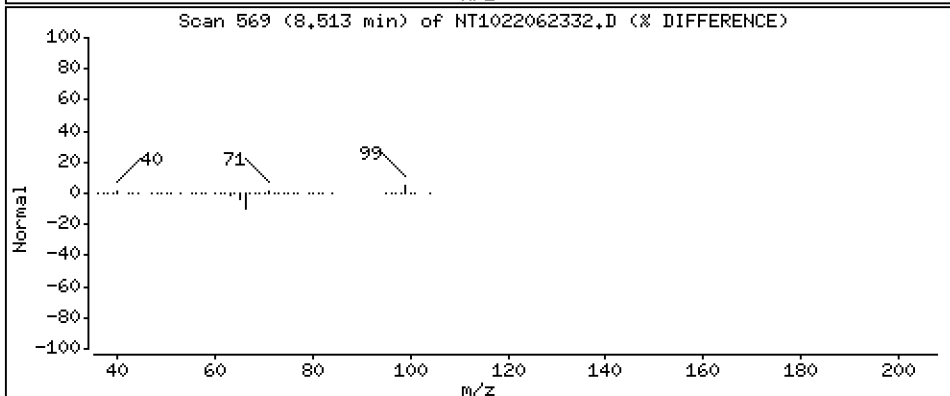
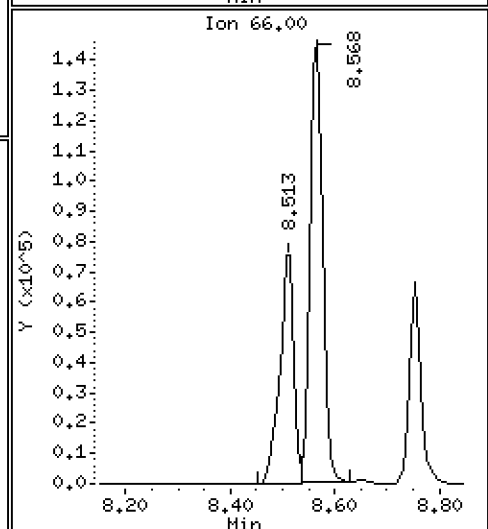
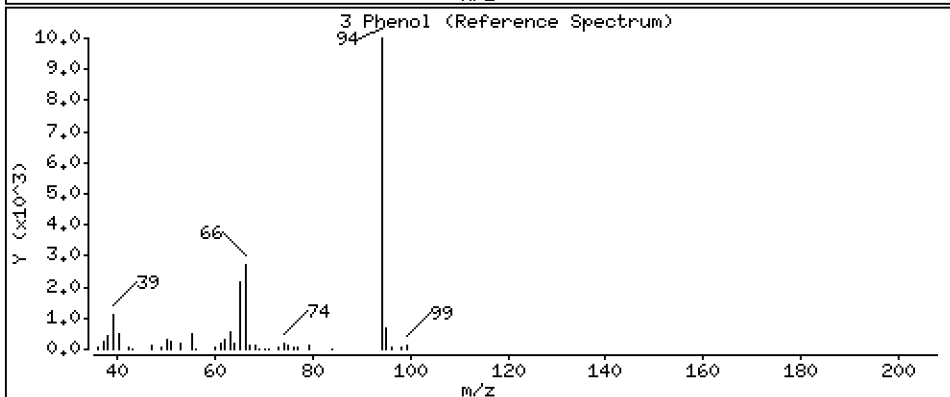
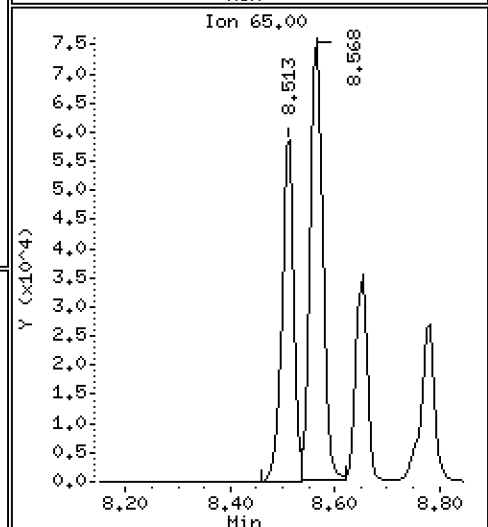
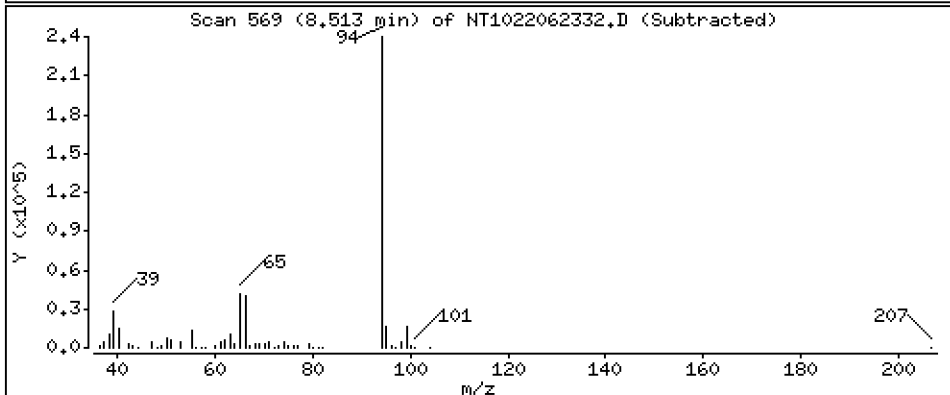
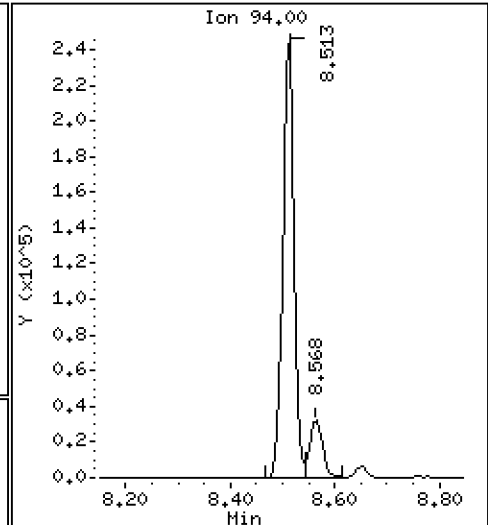
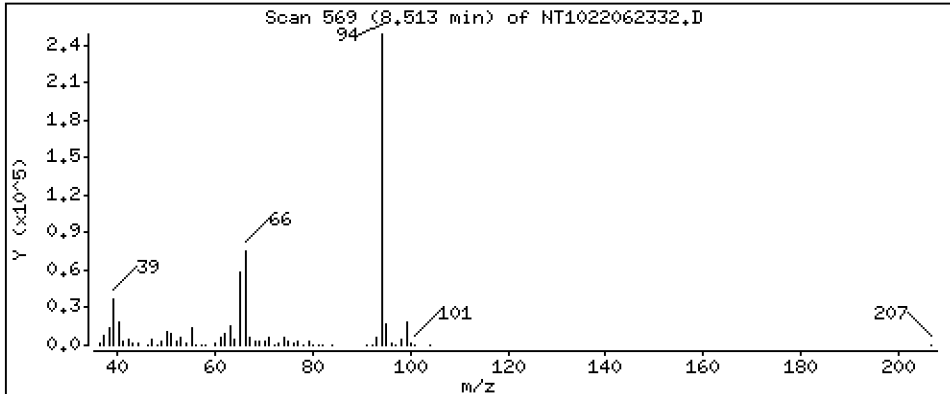
Operator: VTS

Column phase: ZB-5msi

Column diameter: 0,25

3 Phenol

Concentration: 5,028 ug/mL



Date : 24-JUN-2022 04:54

Client ID:

Instrument: nt10.i

Sample Info: SKF0270-CCV1

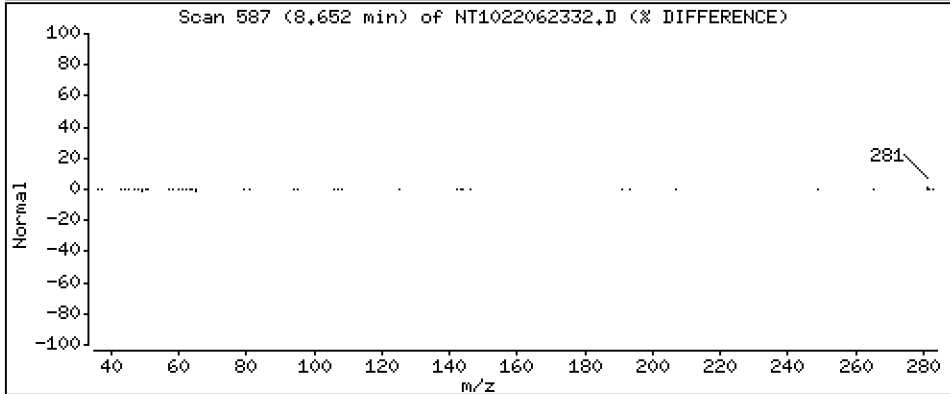
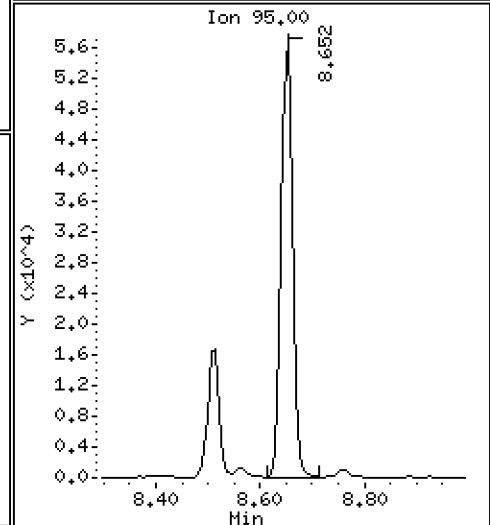
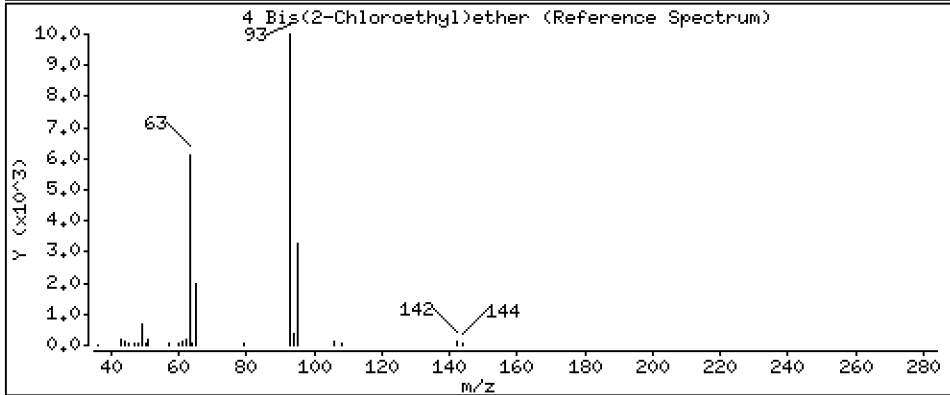
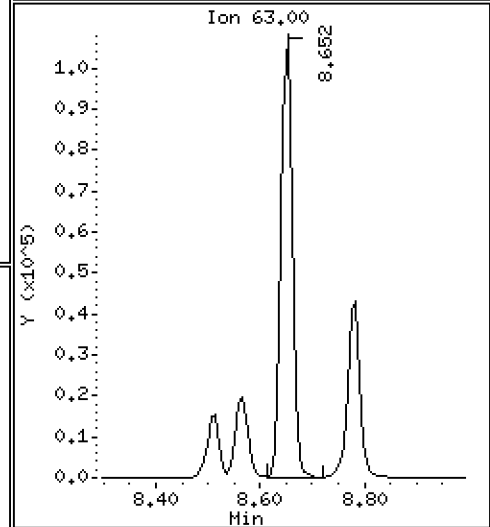
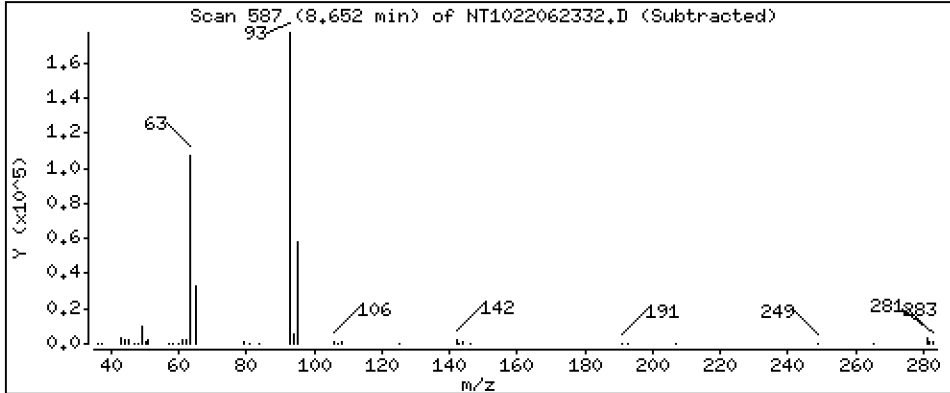
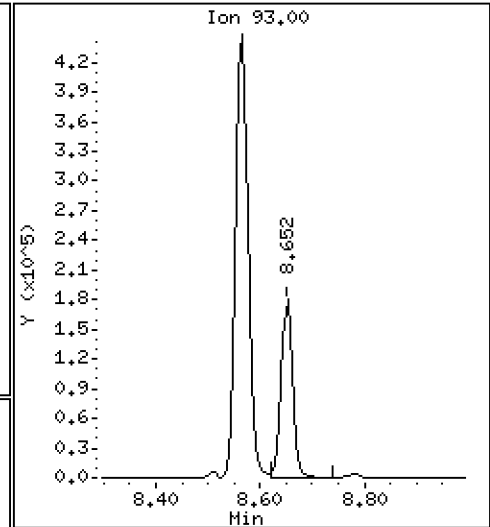
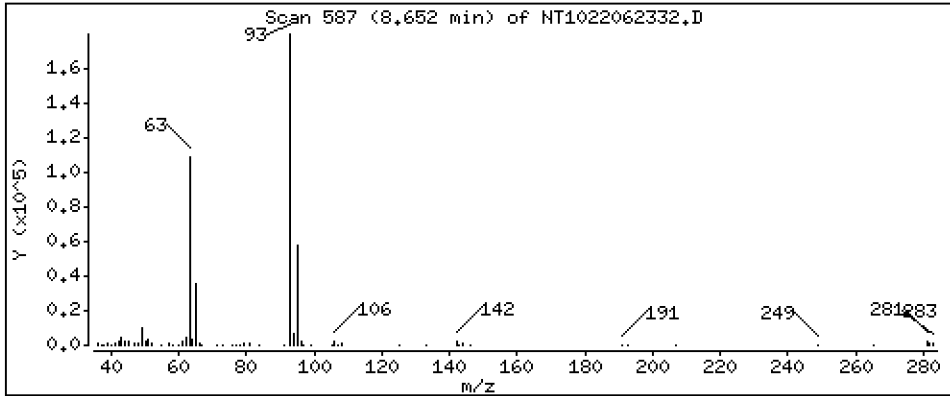
Operator: VTS

Column phase: ZB-5msi

Column diameter: 0,25

4 Bis(2-Chloroethyl)ether

Concentration: 4,856 ug/mL



Date : 24-JUN-2022 04:54

Client ID:

Instrument: nt10.i

Sample Info: SKF0270-CCV1

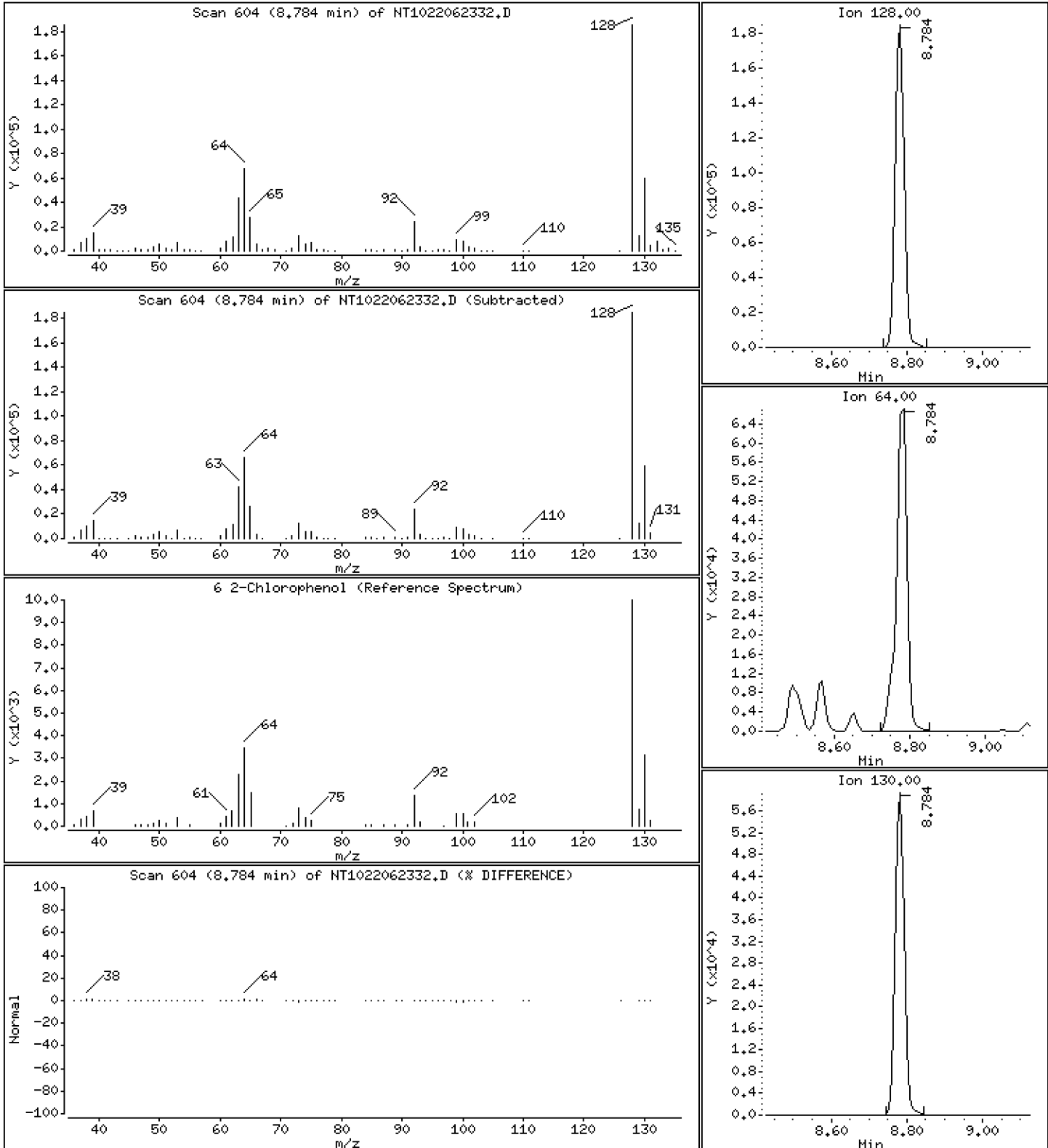
Operator: VTS

Column phase: ZB-5msi

Column diameter: 0,25

6 2-Chlorophenol

Concentration: 4,971 ug/mL



Date : 24-JUN-2022 04:54

Client ID:

Instrument: nt10.i

Sample Info: SKF0270-CCV1

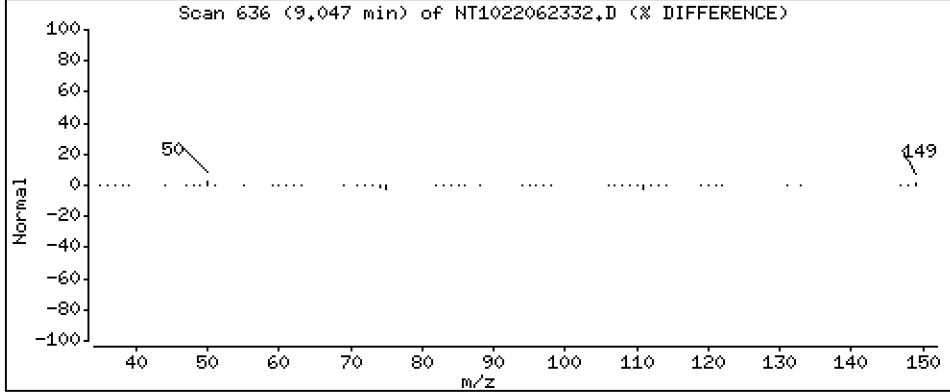
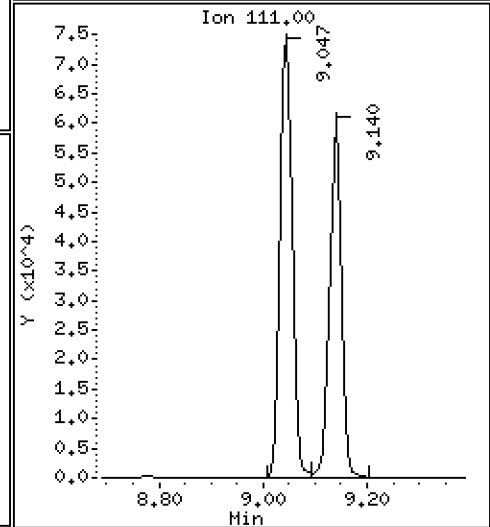
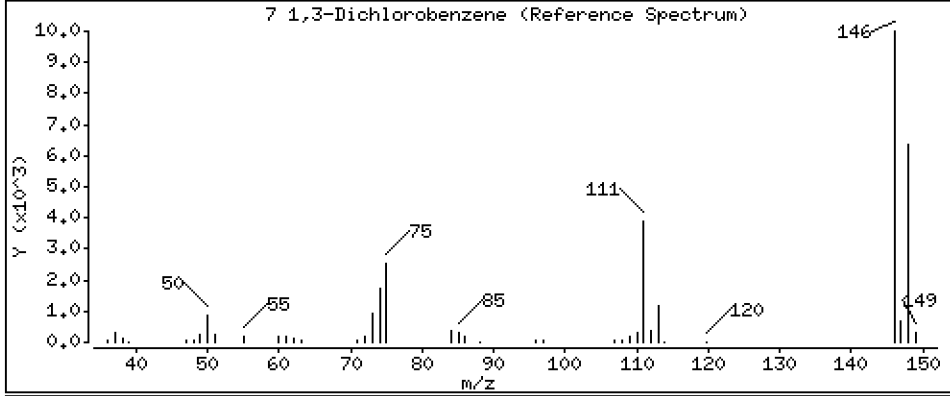
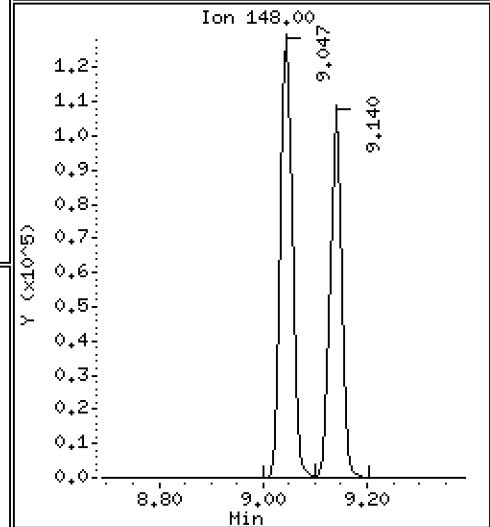
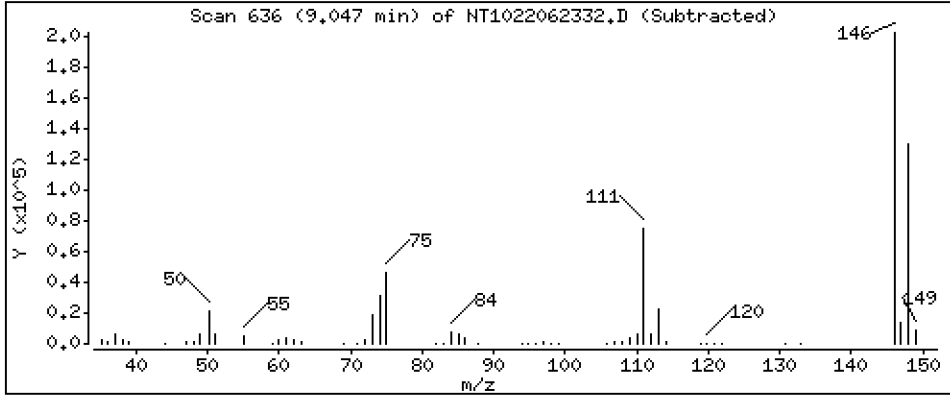
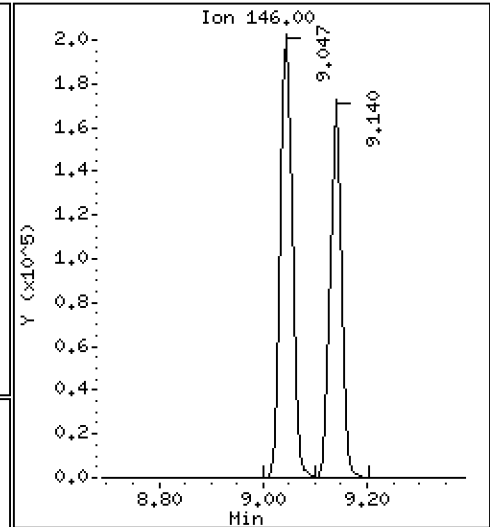
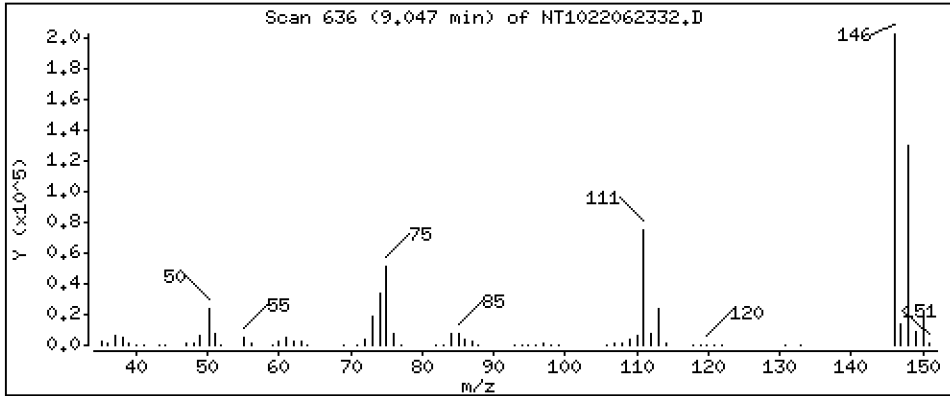
Operator: VTS

Column phase: ZB-5msi

Column diameter: 0,25

7 1,3-Dichlorobenzene

Concentration: 4,887 ug/mL



Date : 24-JUN-2022 04:54

Client ID:

Instrument: nt10.i

Sample Info: SKF0270-CCV1

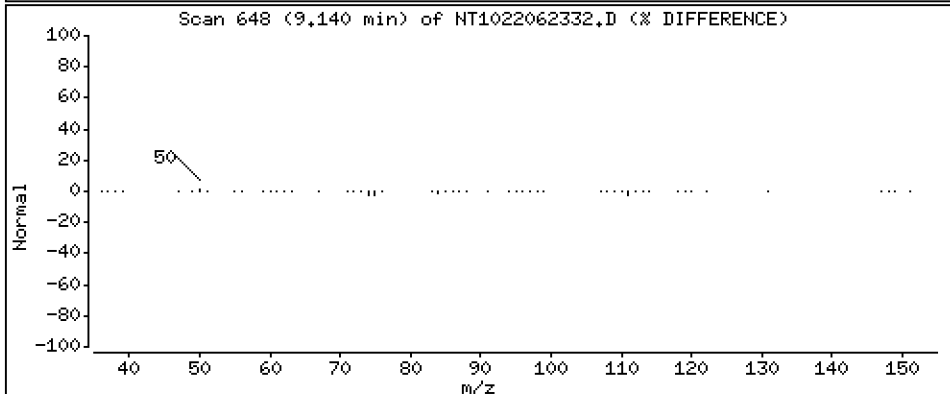
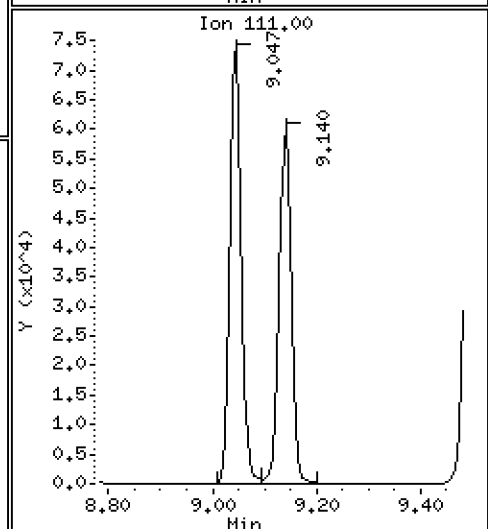
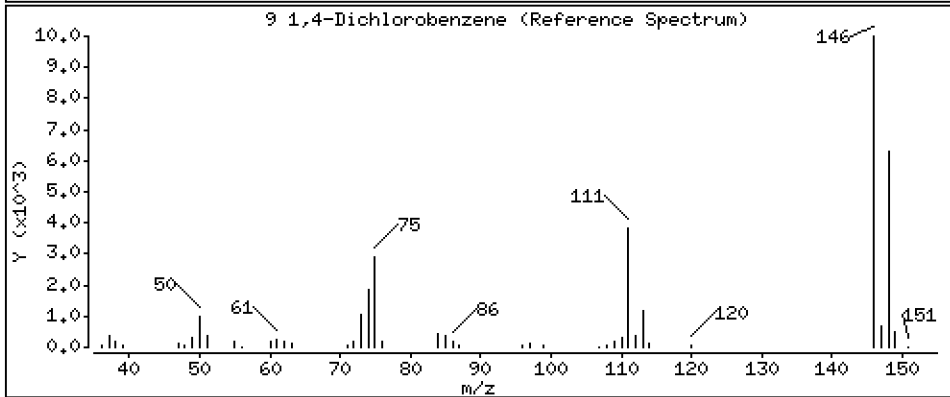
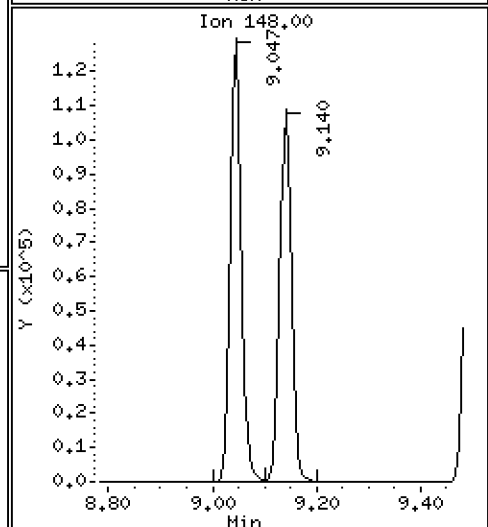
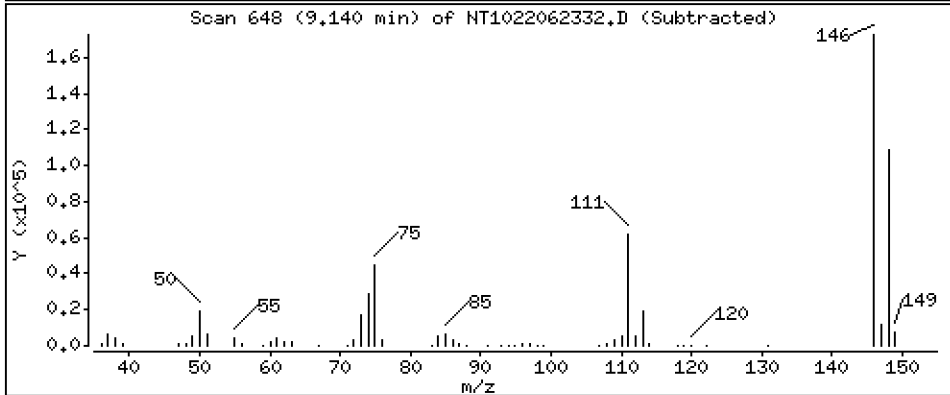
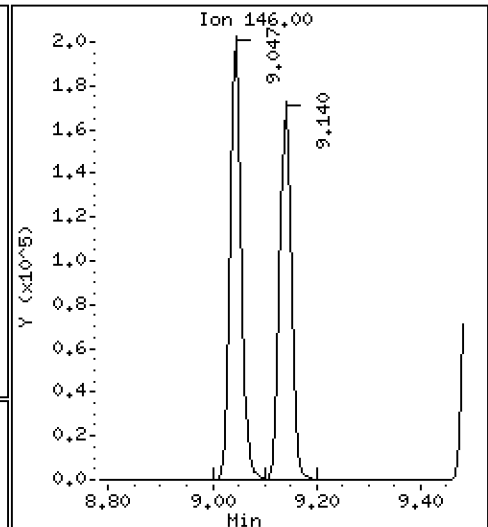
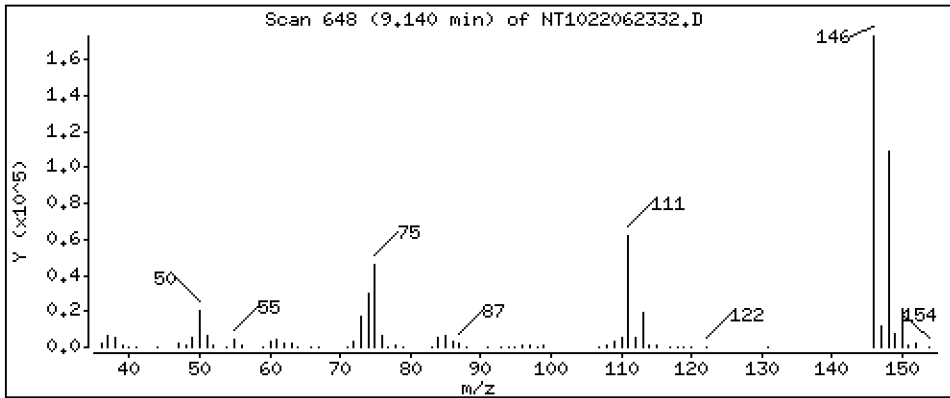
Operator: VTS

Column phase: ZB-5msi

Column diameter: 0,25

9 1,4-Dichlorobenzene

Concentration: 5,108 ug/mL



Date : 24-JUN-2022 04:54

Client ID:

Instrument: nt10.i

Sample Info: SKF0270-CCV1

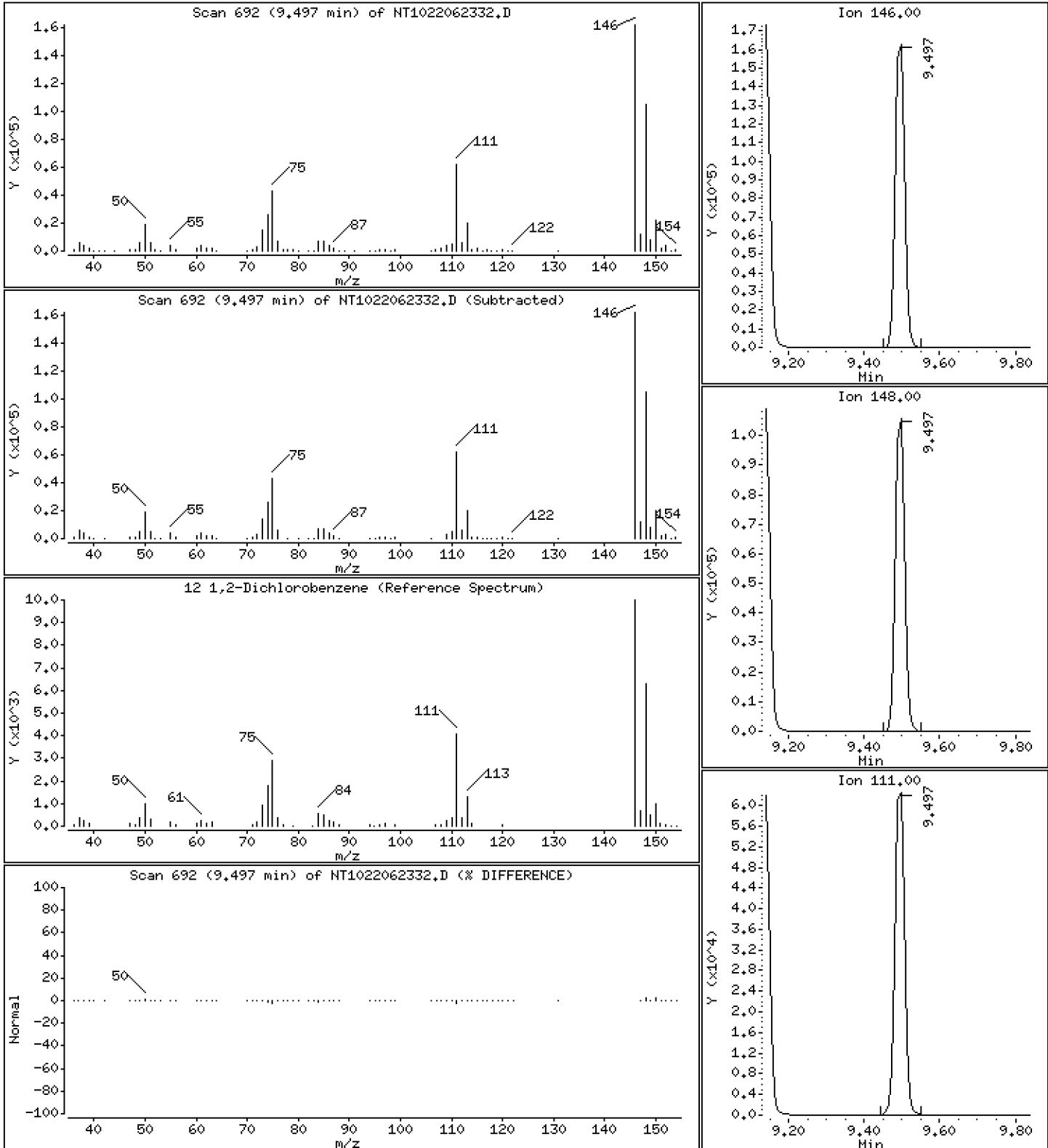
Operator: VTS

Column phase: ZB-5msi

Column diameter: 0,25

12 1,2-Dichlorobenzene

Concentration: 4,998 ug/mL



Date : 24-JUN-2022 04:54

Client ID:

Instrument: nt10.i

Sample Info: SKF0270-CCV1

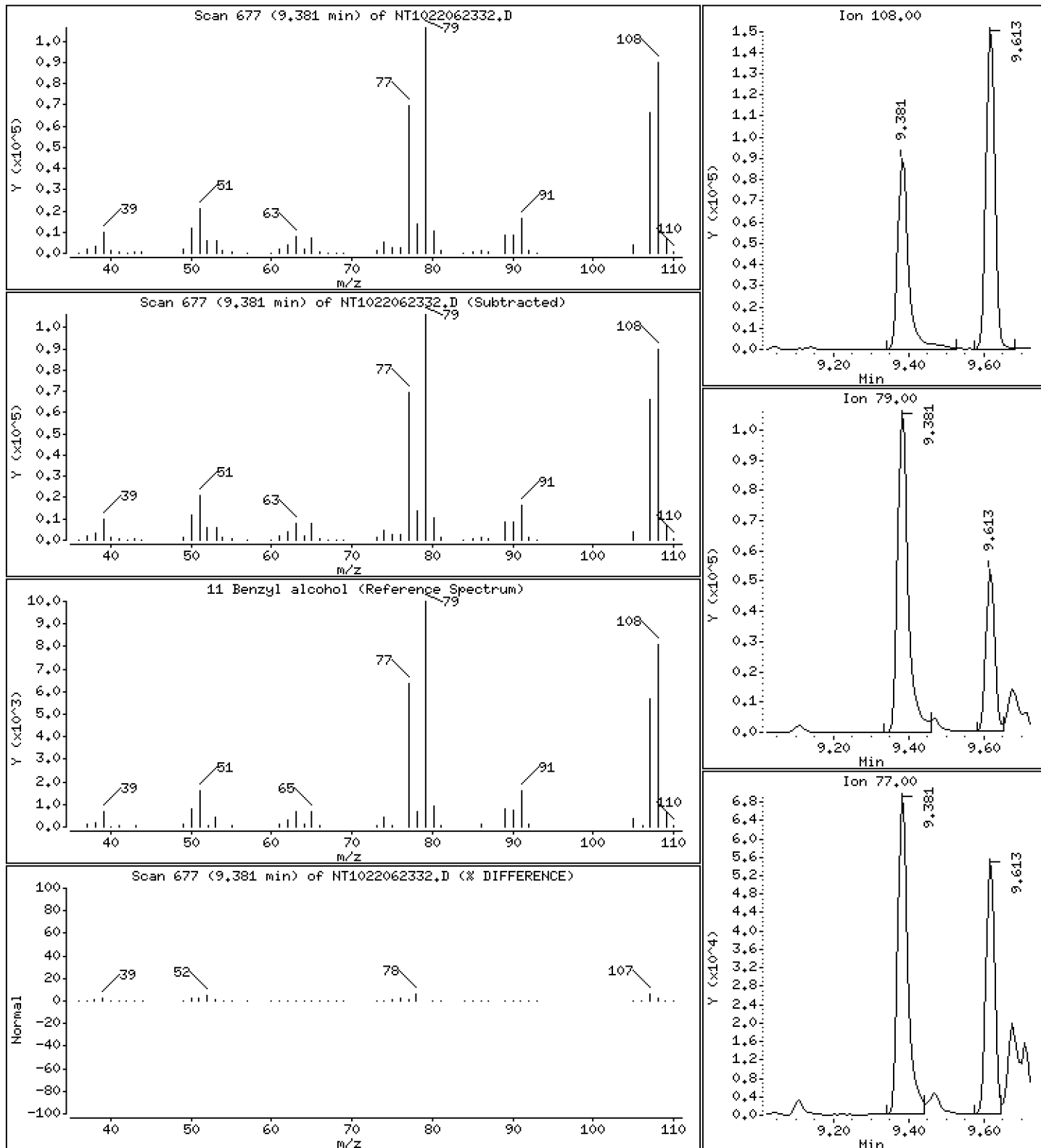
Operator: VTS

Column phase: ZB-5msi

Column diameter: 0,25

11 Benzyl alcohol

Concentration: 5,973 ug/mL



Date : 24-JUN-2022 04:54

Client ID:

Instrument: nt10.i

Sample Info: SKF0270-CCV1

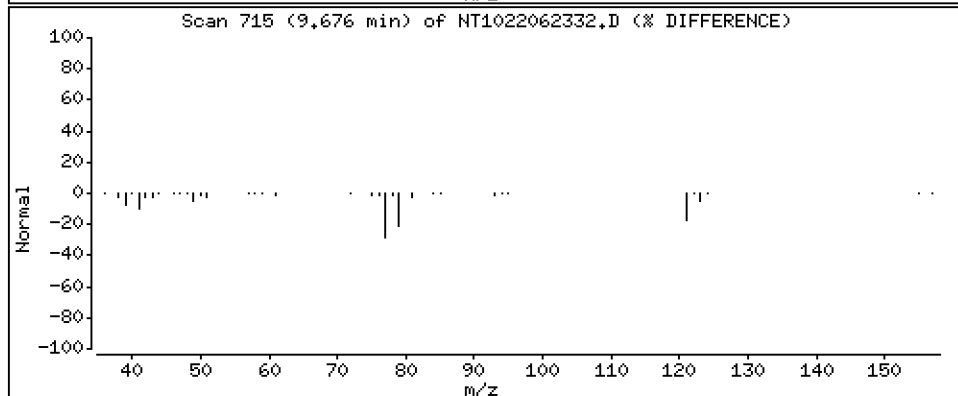
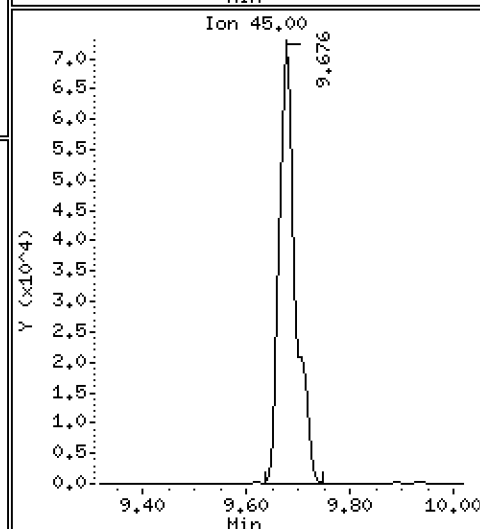
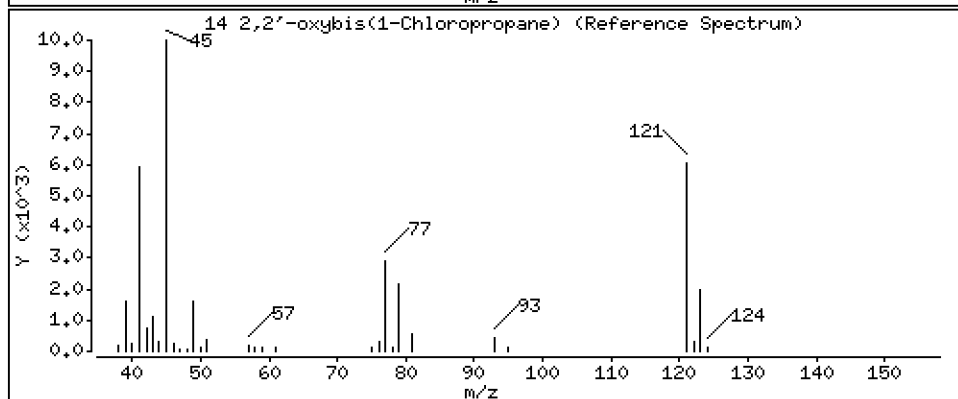
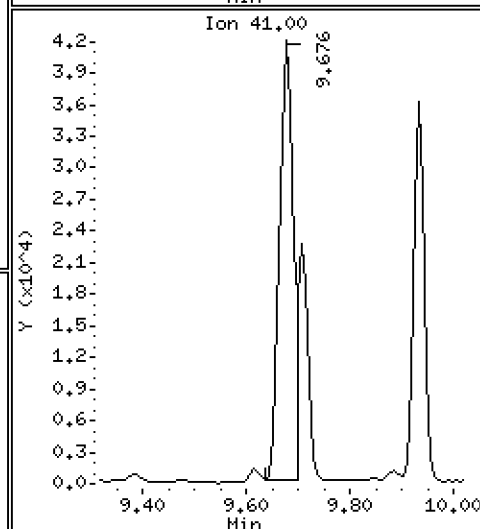
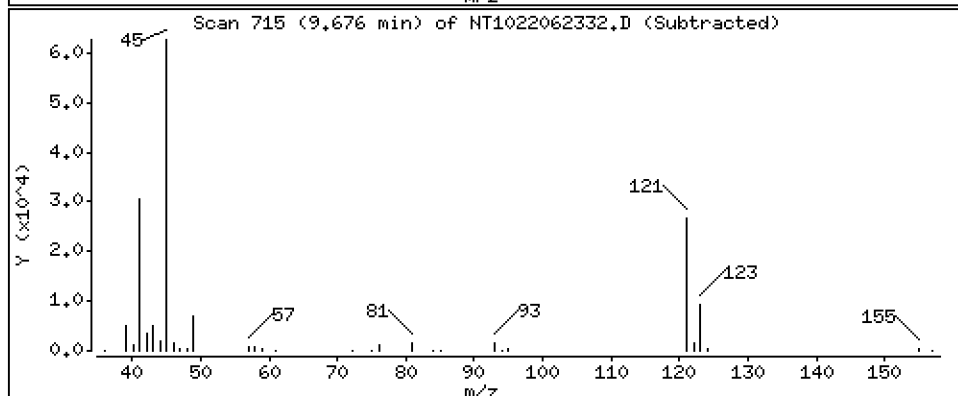
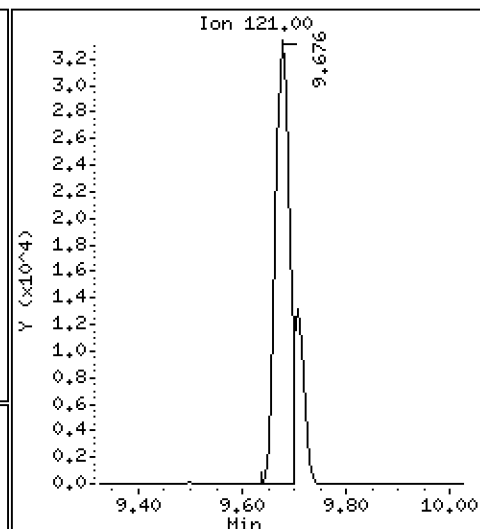
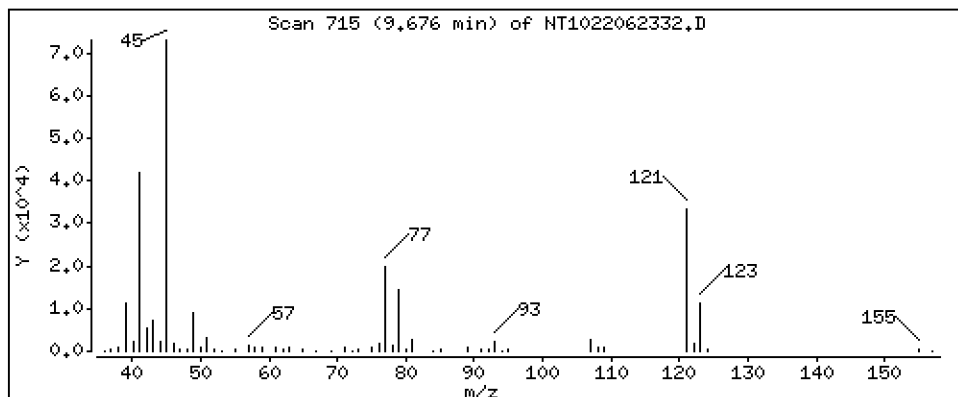
Operator: VTS

Column phase: ZB-5msi

Column diameter: 0,25

14 2,2'-oxybis(1-Chloropropane)

Concentration: 4,939 ug/mL



Date : 24-JUN-2022 04:54

Client ID:

Instrument: nt10.i

Sample Info: SKF0270-CCV1

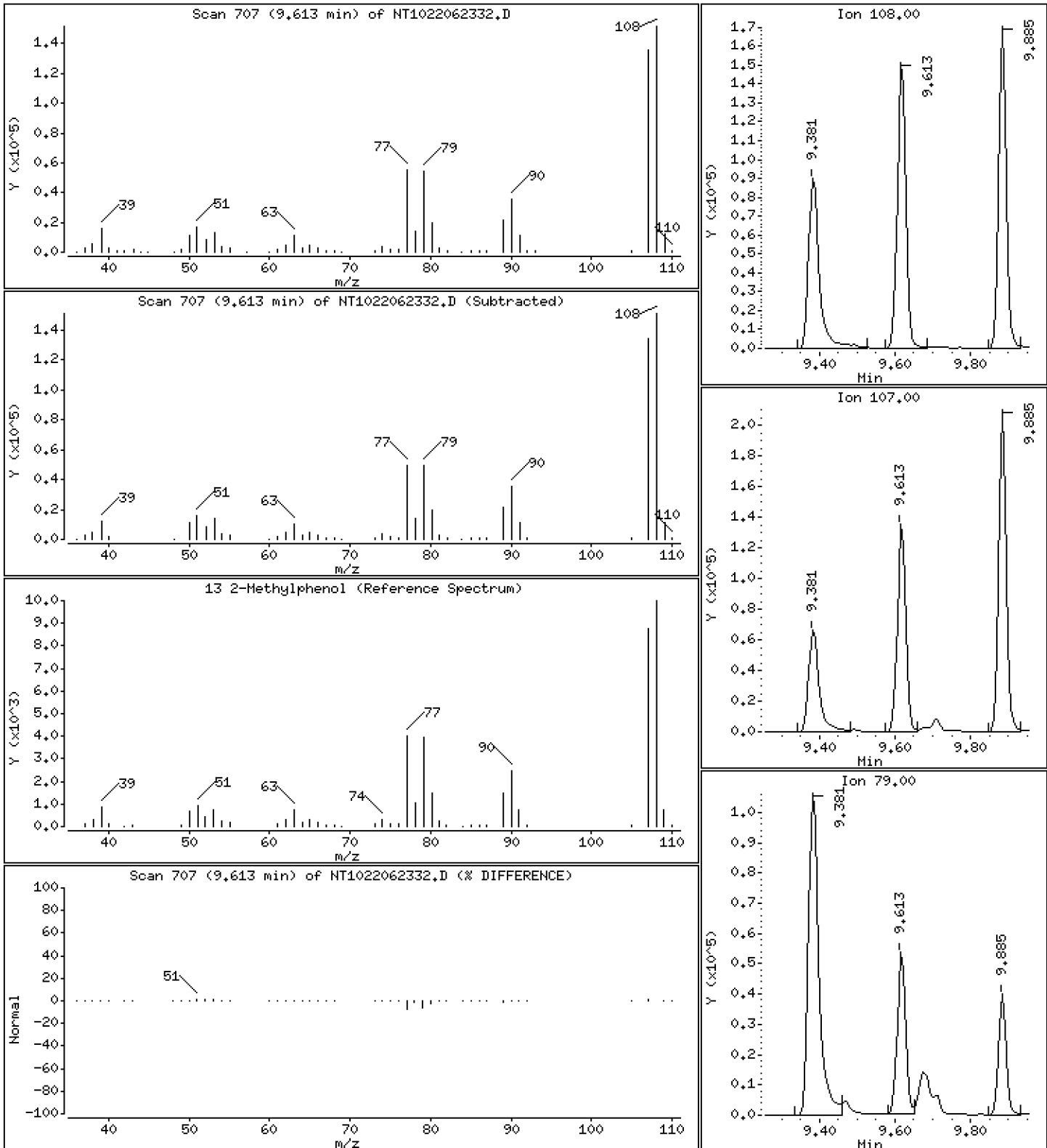
Operator: VTS

Column phase: ZB-5msi

Column diameter: 0.25

13 2-Methylphenol

Concentration: 5.201 ug/mL



Date : 24-JUN-2022 04:54

Client ID:

Instrument: nt10.i

Sample Info: SKF0270-CCV1

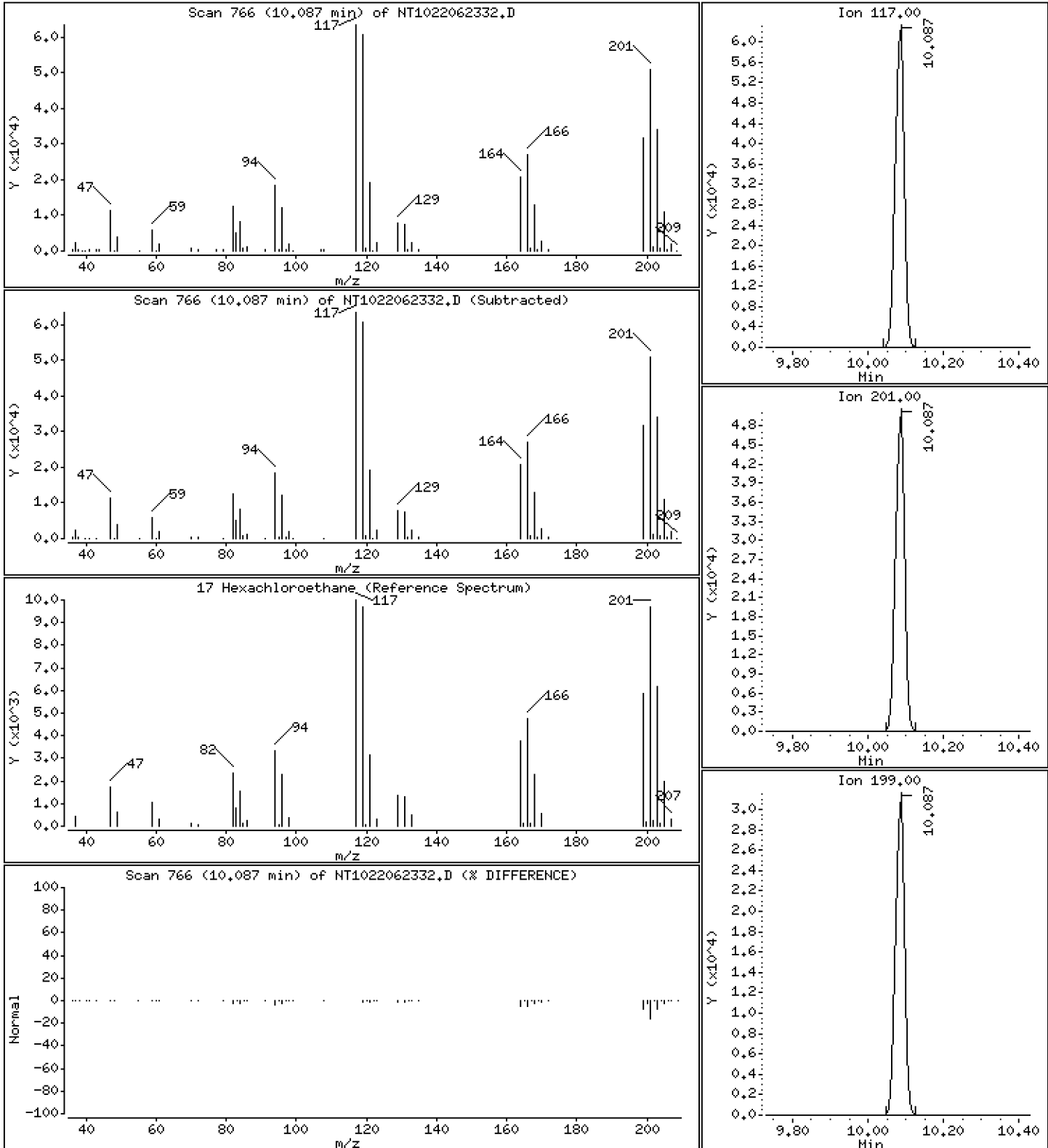
Operator: VTS

Column phase: ZB-5msi

Column diameter: 0,25

17 Hexachloroethane

Concentration: 4,498 ug/mL



Date : 24-JUN-2022 04:54

Client ID:

Instrument: nt10.i

Sample Info: SKF0270-CCV1

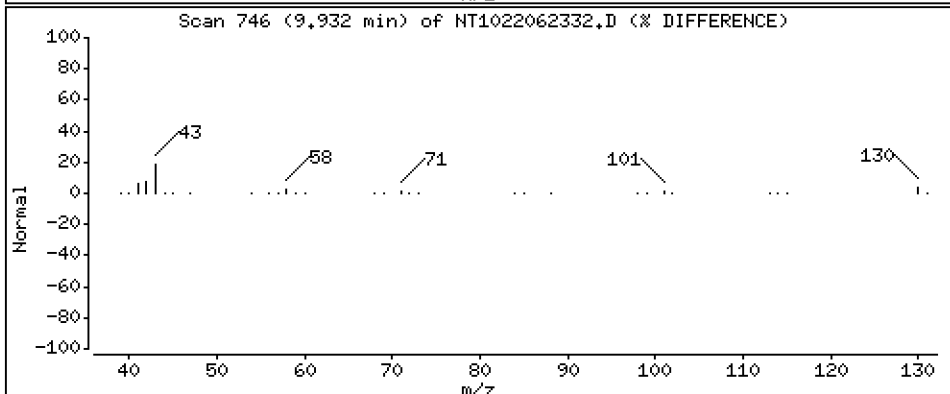
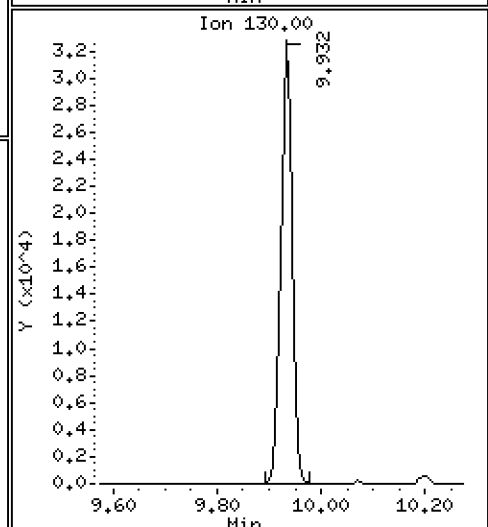
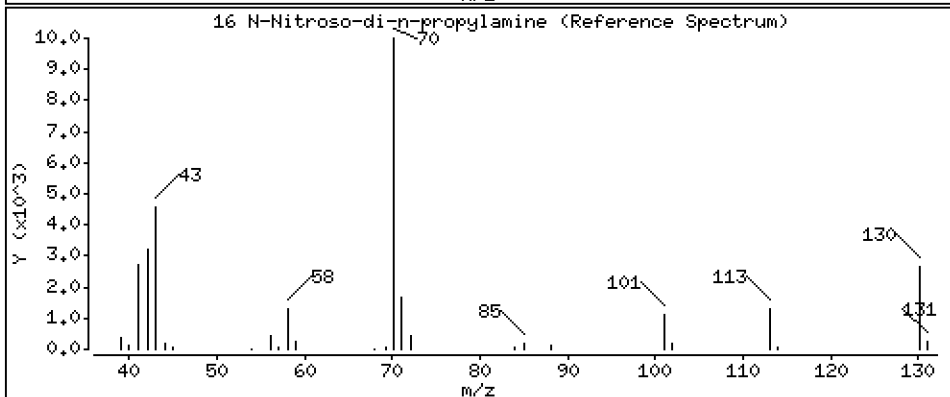
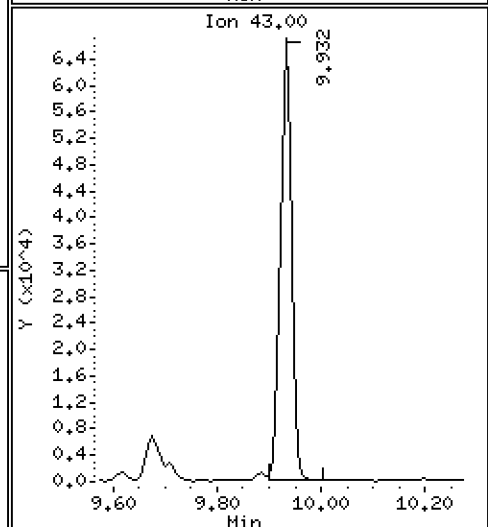
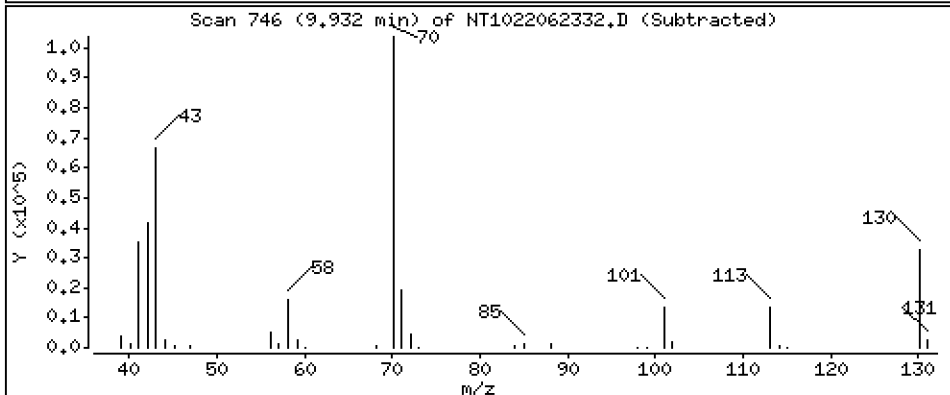
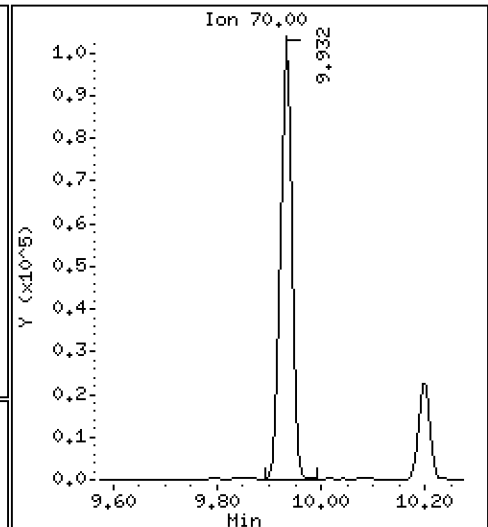
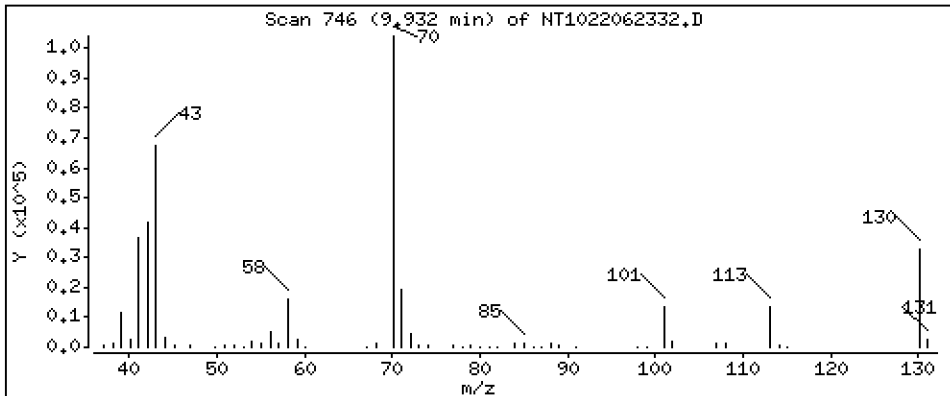
Operator: VTS

Column phase: ZB-5msi

Column diameter: 0,25

16 N-Nitroso-di-n-propylamine

Concentration: 4,900 ug/mL



Date : 24-JUN-2022 04:54

Client ID:

Instrument: nt10.i

Sample Info: SKF0270-CCV1

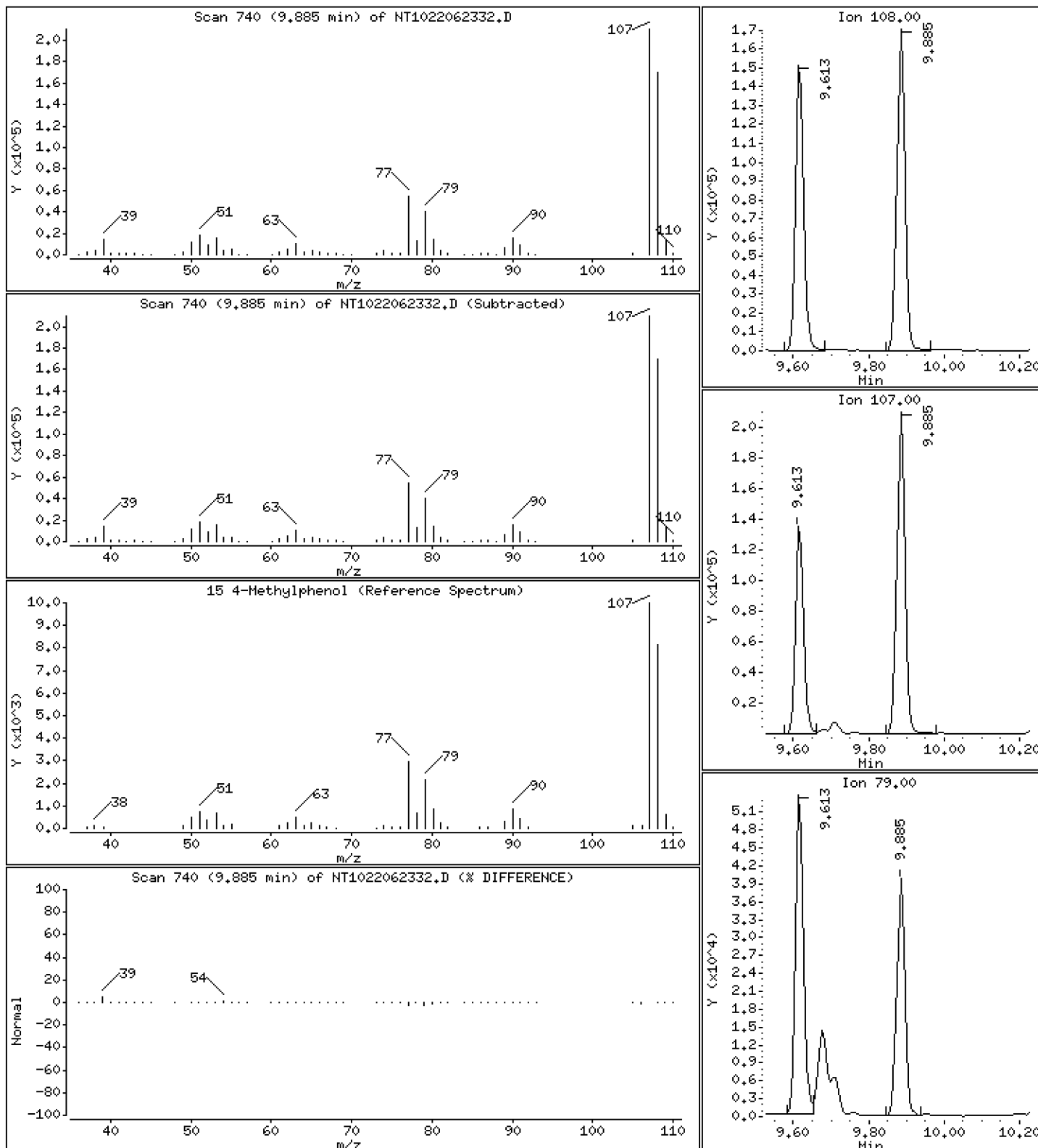
Operator: VTS

Column phase: ZB-5msi

Column diameter: 0,25

15 4-Methylphenol

Concentration: 5,143 ug/mL



Date : 24-JUN-2022 04:54

Client ID:

Instrument: nt10.i

Sample Info: SKF0270-CCV1

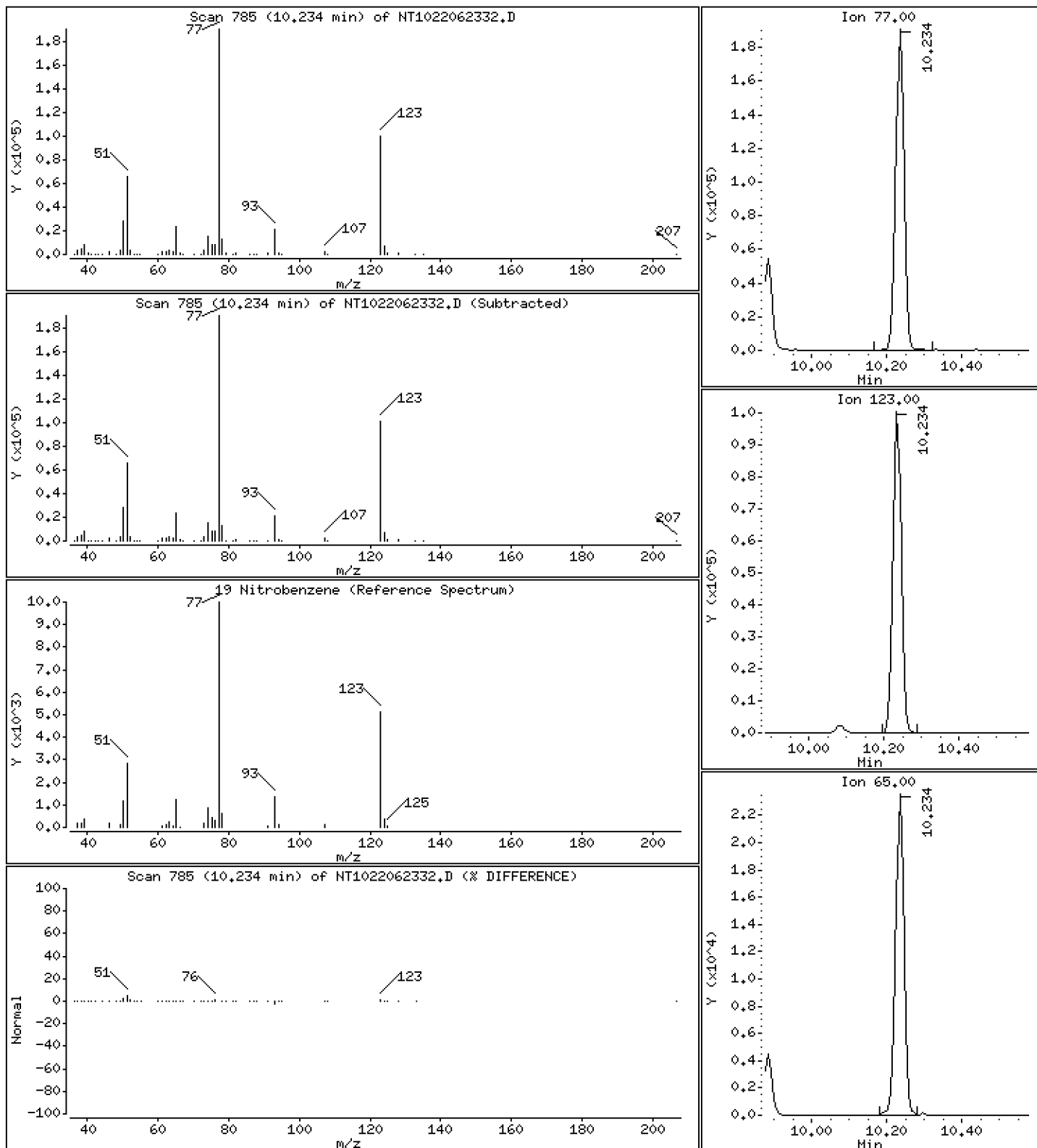
Operator: VTS

Column phase: ZB-5msi

Column diameter: 0,25

19 Nitrobenzene

Concentration: 5,114 ug/mL



Date : 24-JUN-2022 04:54

Client ID:

Instrument: nt10.i

Sample Info: SKF0270-CCV1

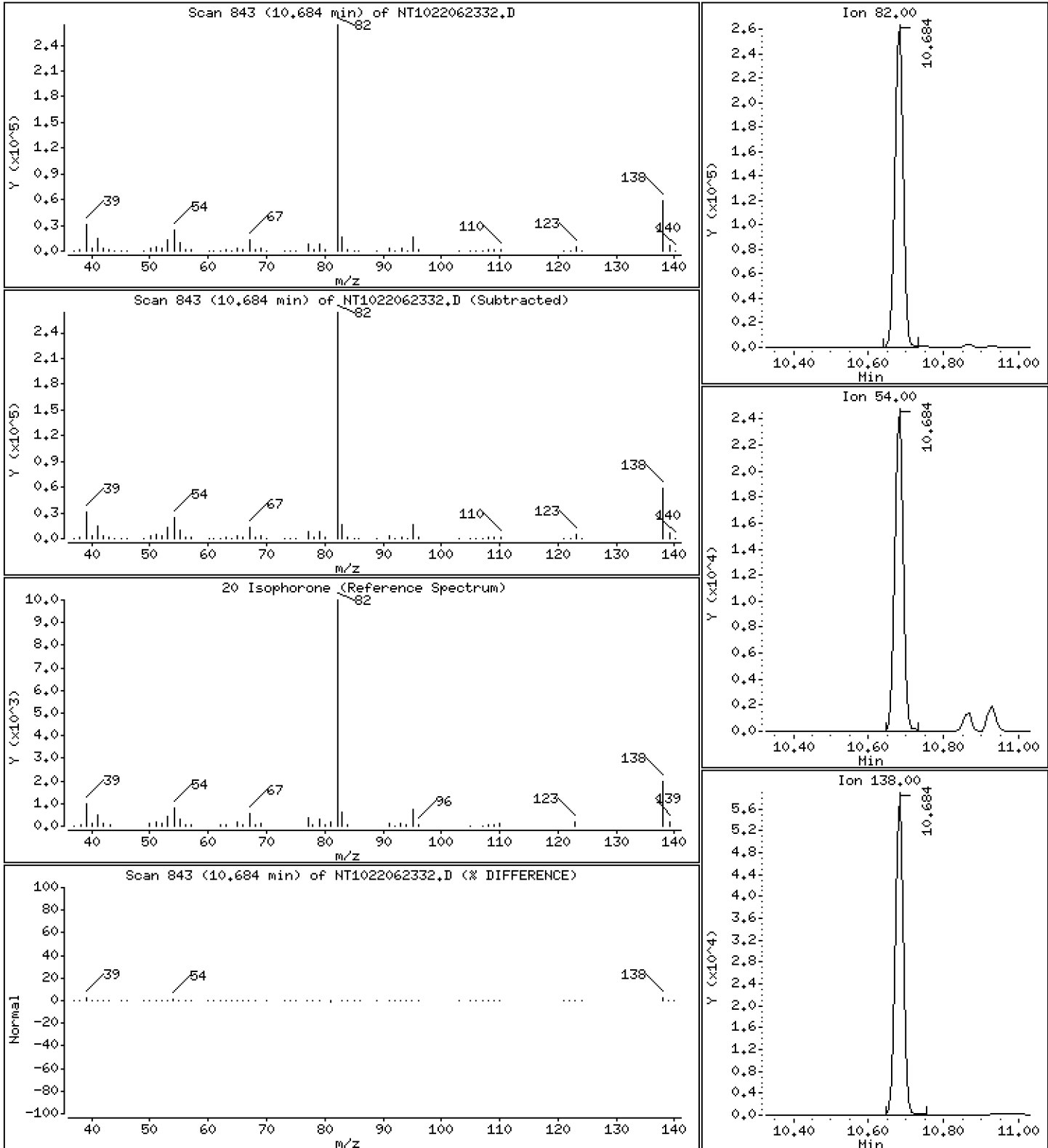
Operator: VTS

Column phase: ZB-5msi

Column diameter: 0,25

20 Isophorone

Concentration: 5,418 ug/mL



Date : 24-JUN-2022 04:54

Client ID:

Instrument: nt10.i

Sample Info: SKF0270-CCV1

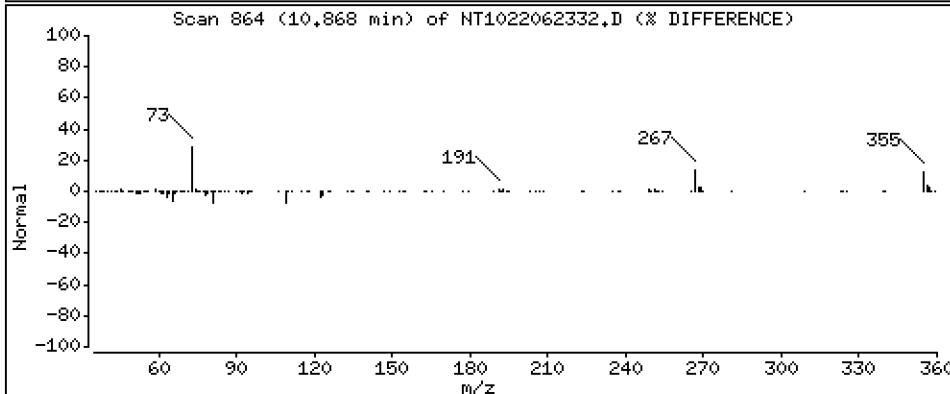
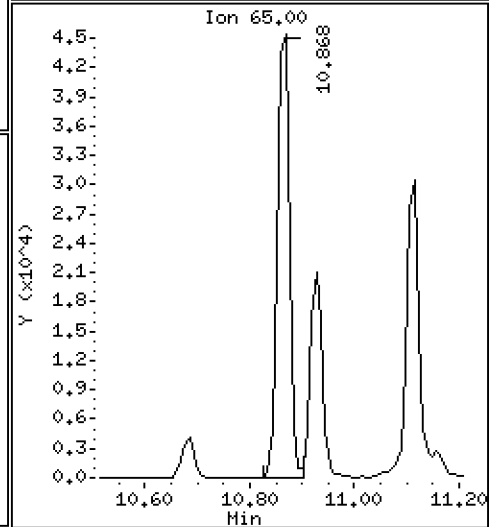
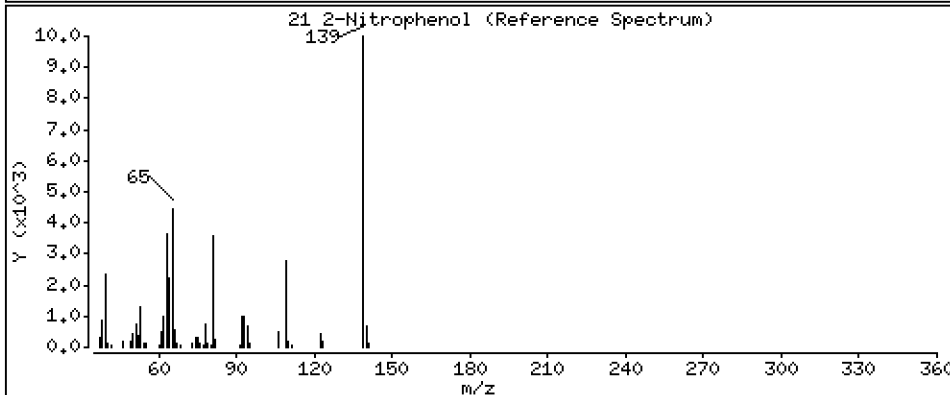
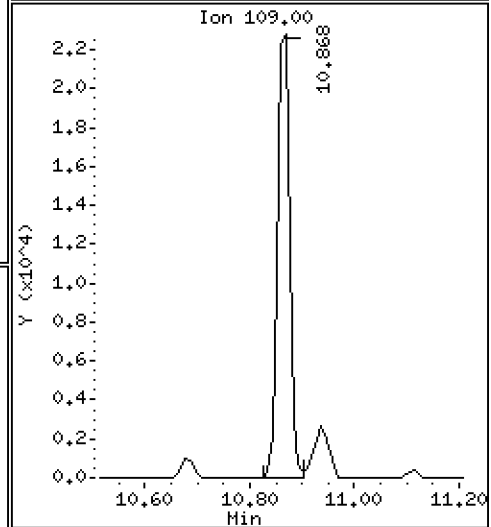
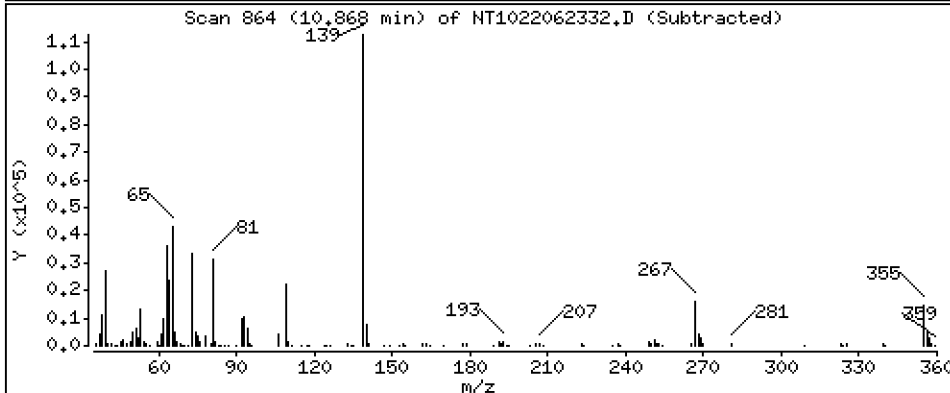
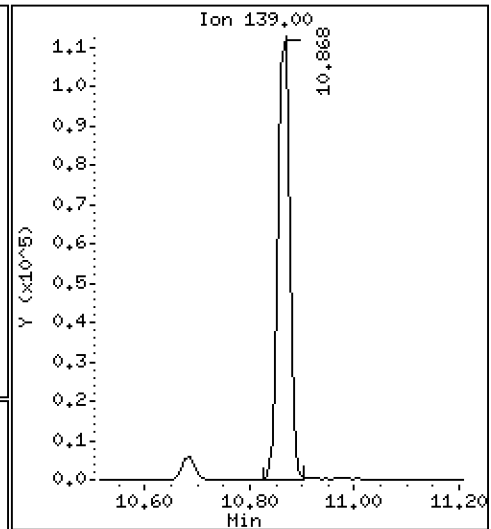
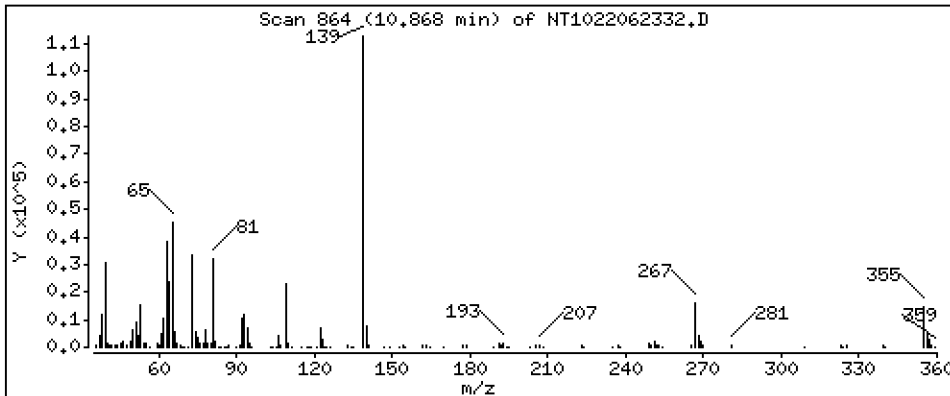
Operator: VTS

Column phase: ZB-5msi

Column diameter: 0,25

21 2-Nitrophenol

Concentration: 5,253 ug/mL



Date : 24-JUN-2022 04:54

Client ID:

Instrument: nt10.i

Sample Info: SKF0270-CCV1

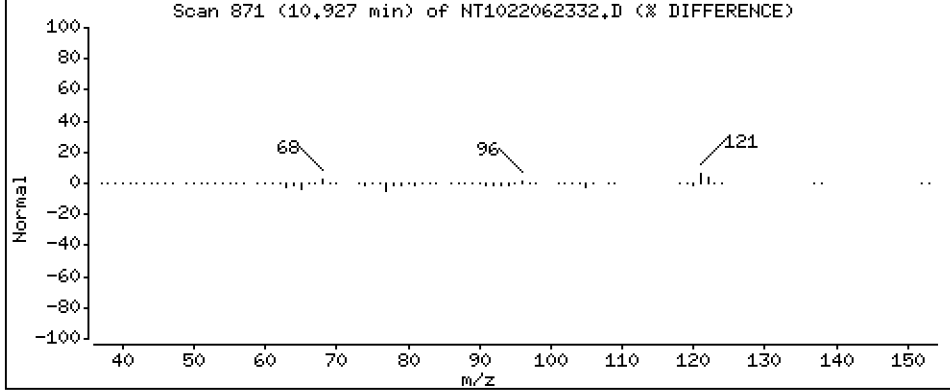
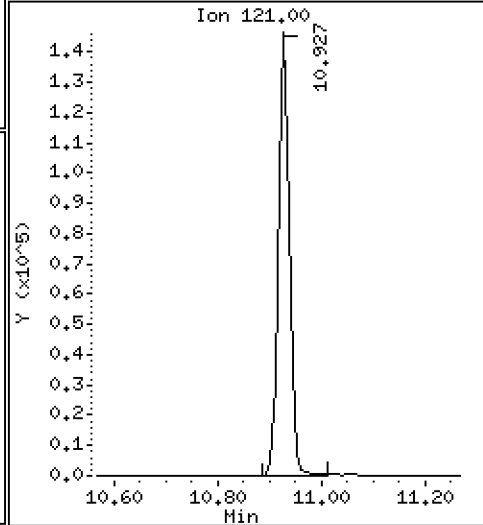
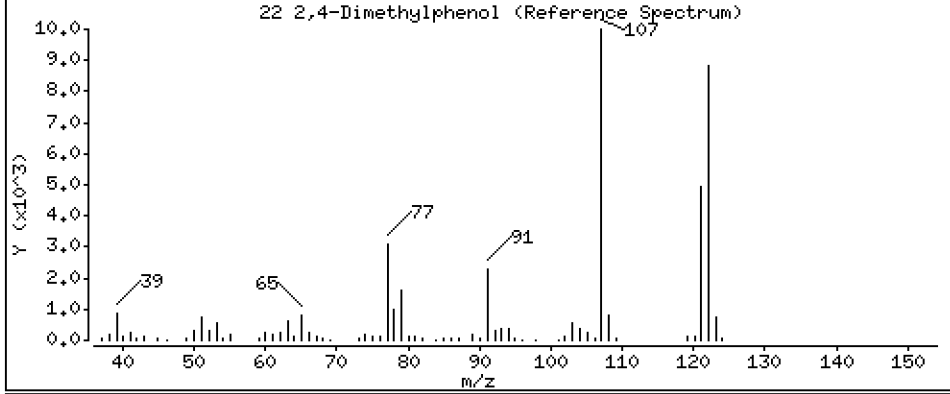
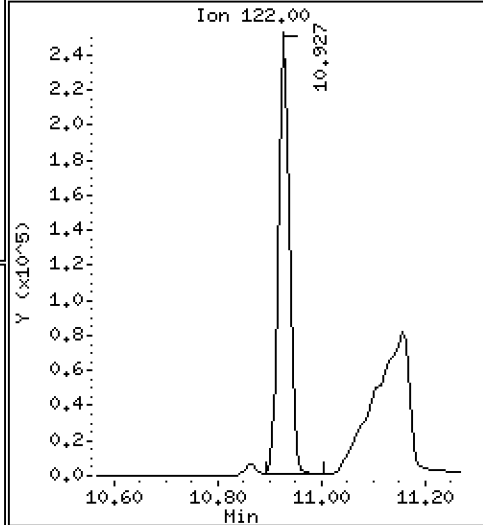
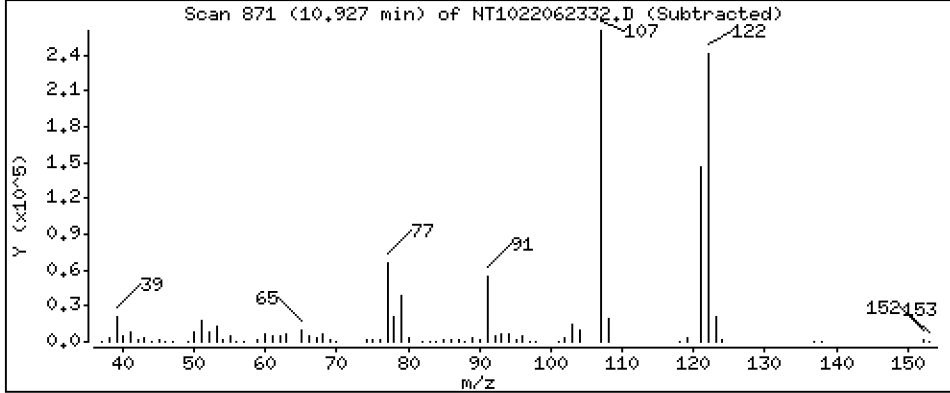
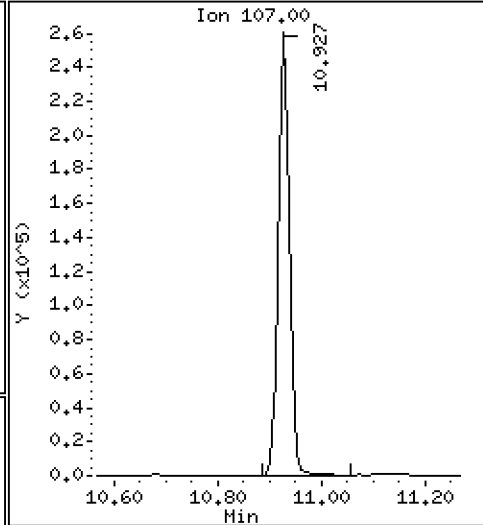
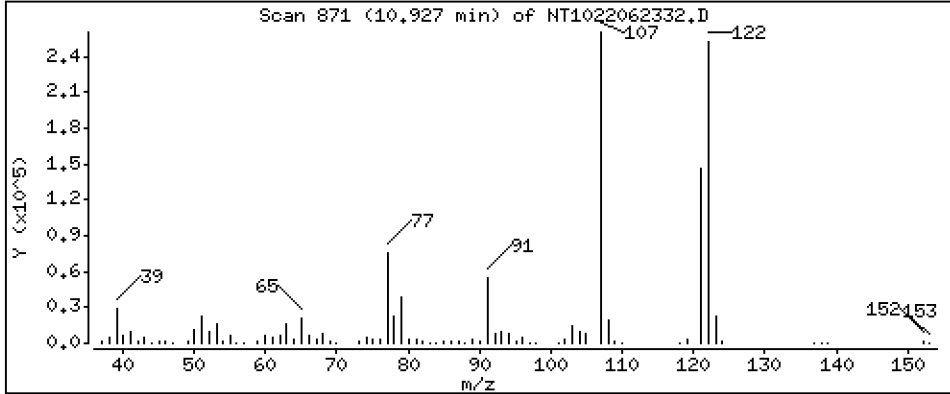
Operator: VTS

Column phase: ZB-5msi

Column diameter: 0,25

22 2,4-Dimethylphenol

Concentration: 9,672 ug/mL



Date : 24-JUN-2022 04:54

Client ID:

Instrument: nt10.i

Sample Info: SKF0270-CCV1

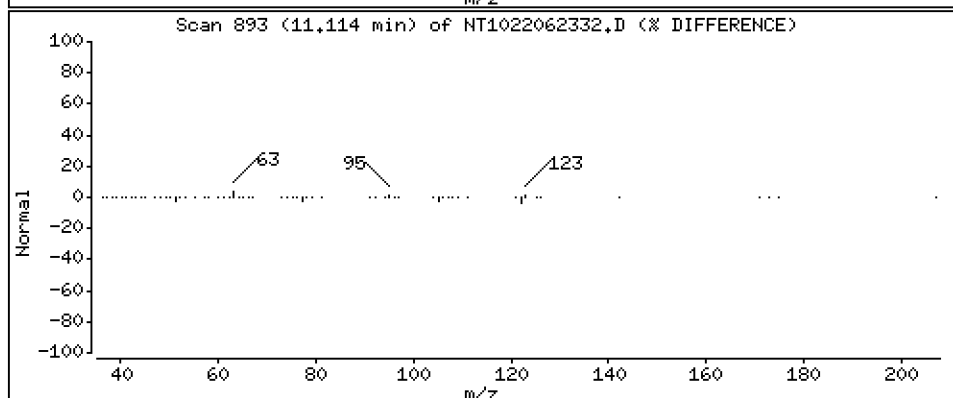
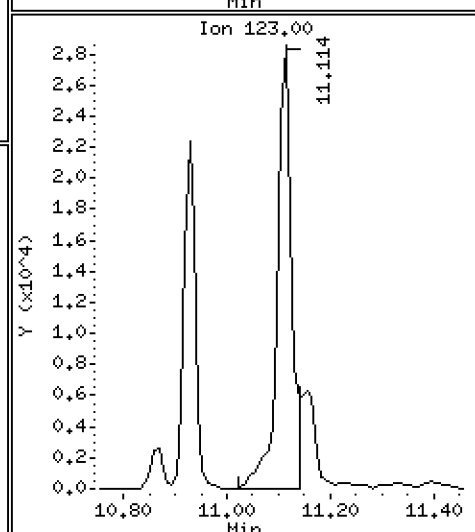
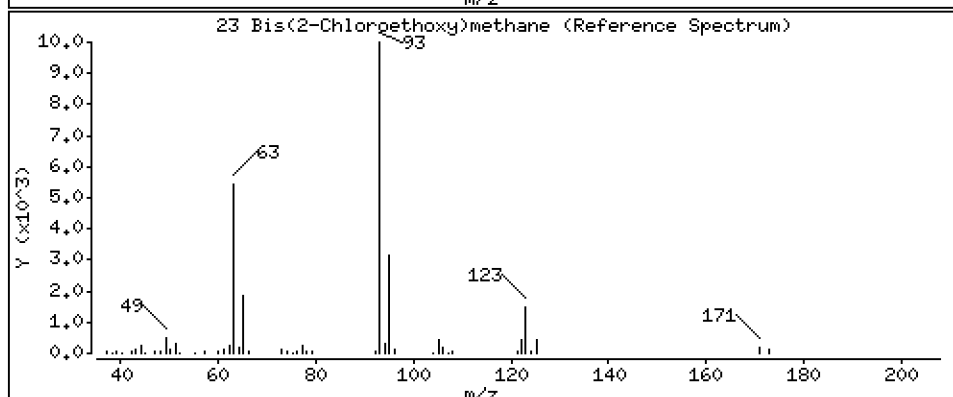
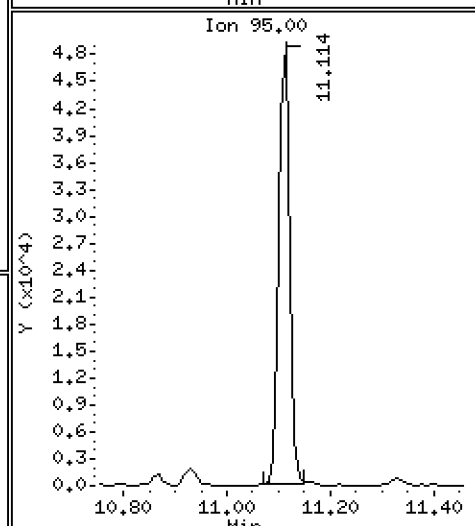
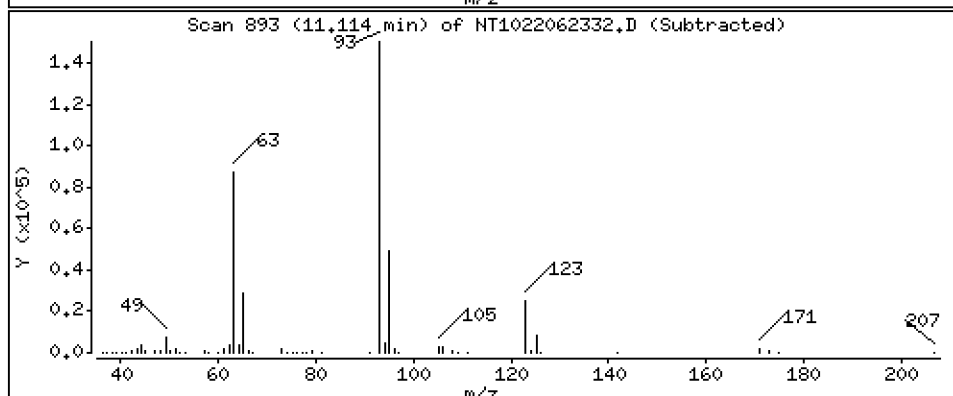
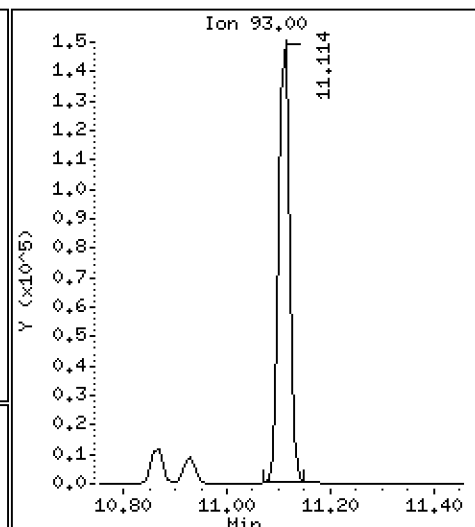
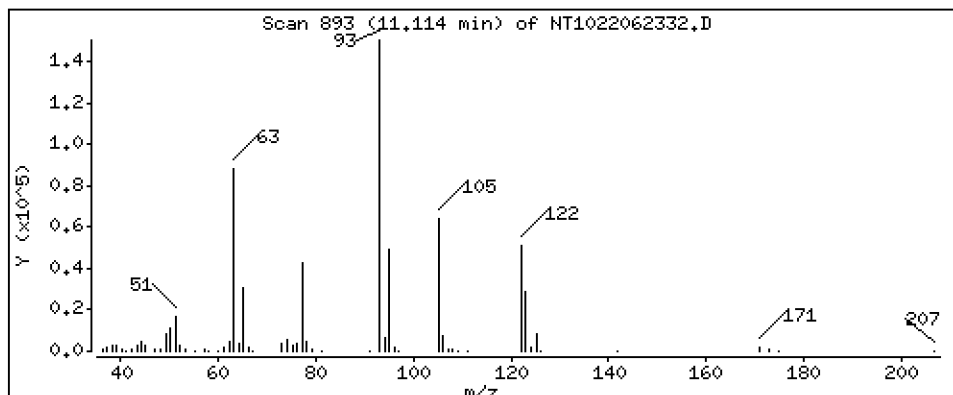
Operator: VTS

Column phase: ZB-5msi

Column diameter: 0,25

23 Bis(2-Chloroethoxy)methane

Concentration: 4,674 ug/mL



Date : 24-JUN-2022 04:54

Client ID:

Instrument: nt10.i

Sample Info: SKF0270-CCV1

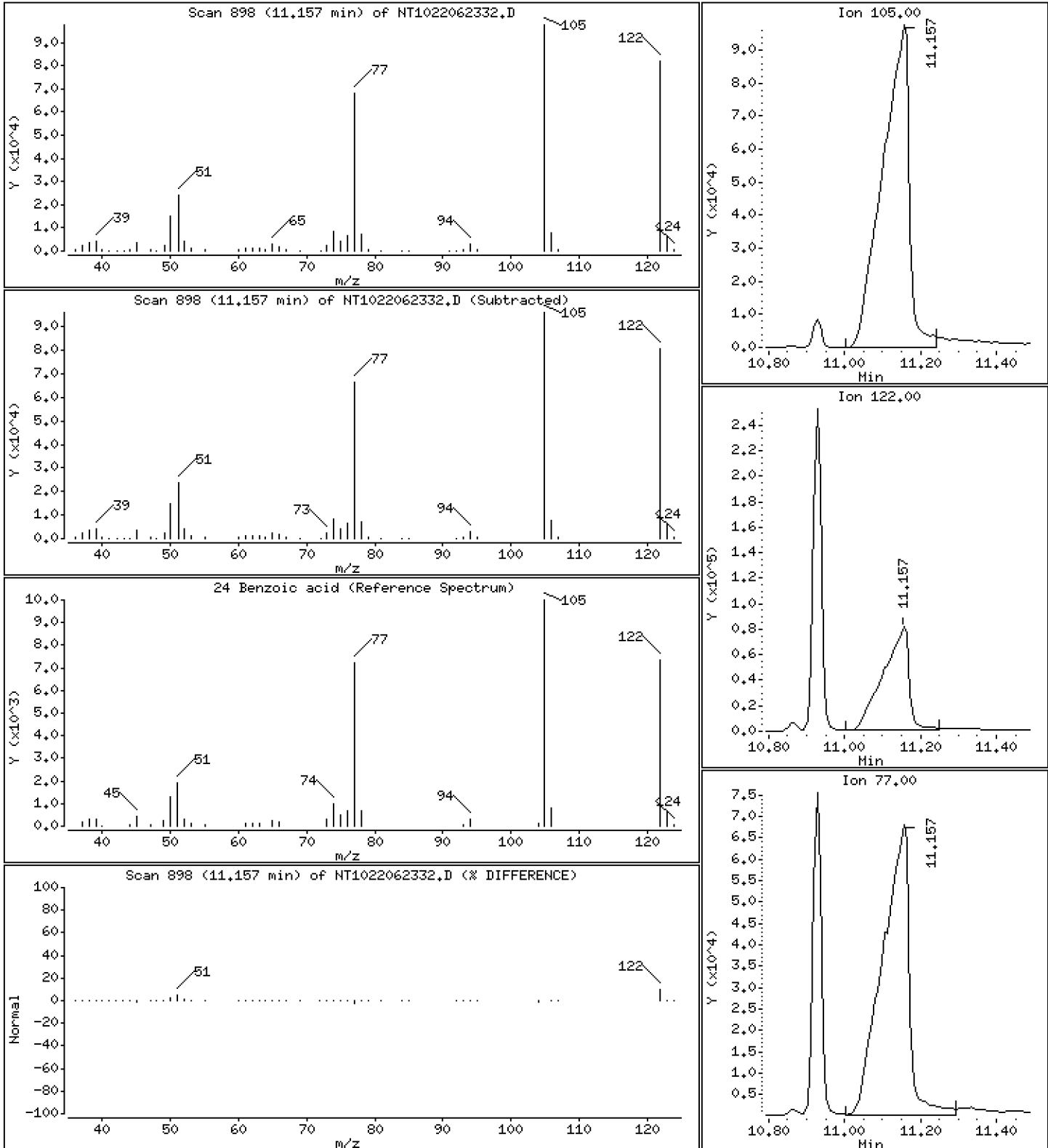
Operator: VTS

Column phase: ZB-5msi

Column diameter: 0,25

24 Benzoic acid

Concentration: 21,57 ug/mL



Date : 24-JUN-2022 04:54

Client ID:

Instrument: nt10.i

Sample Info: SKF0270-CCV1

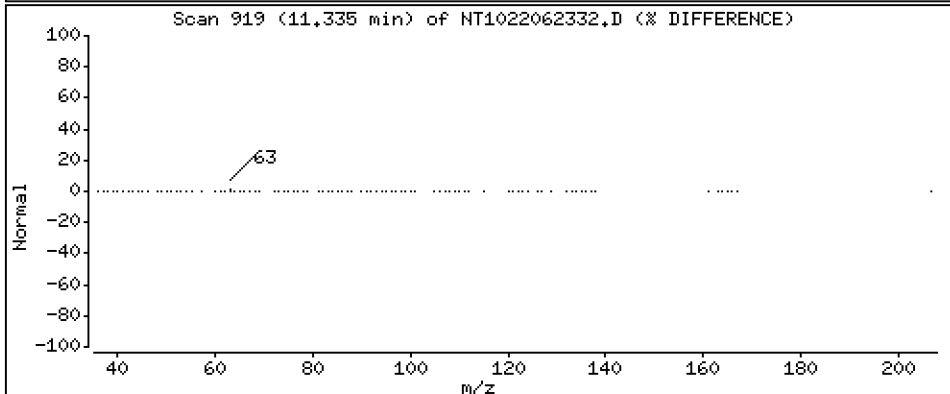
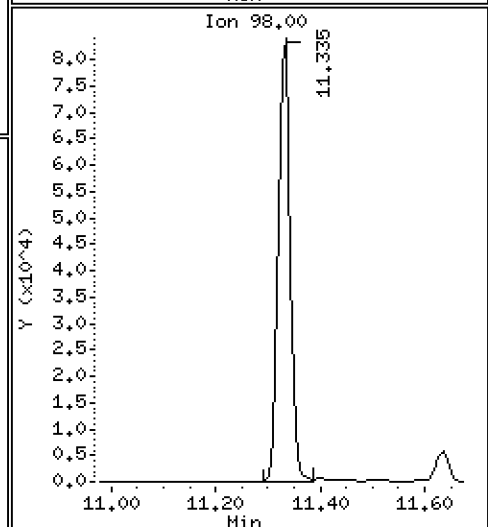
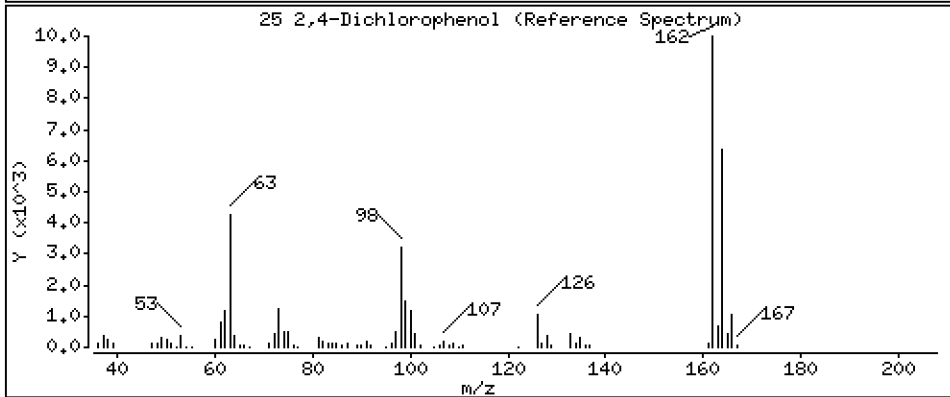
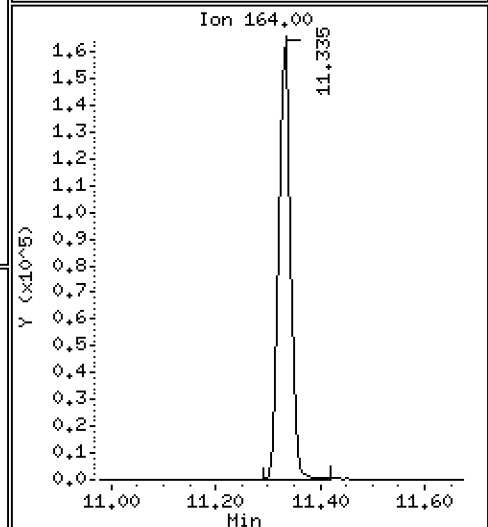
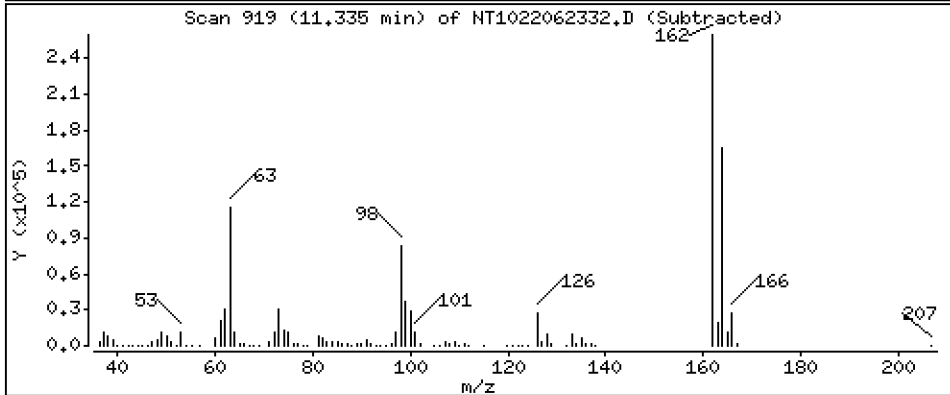
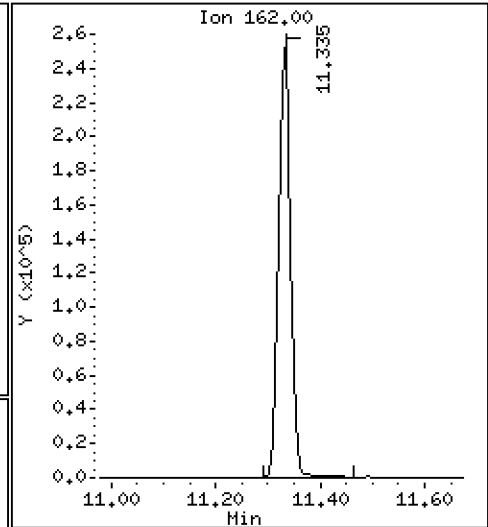
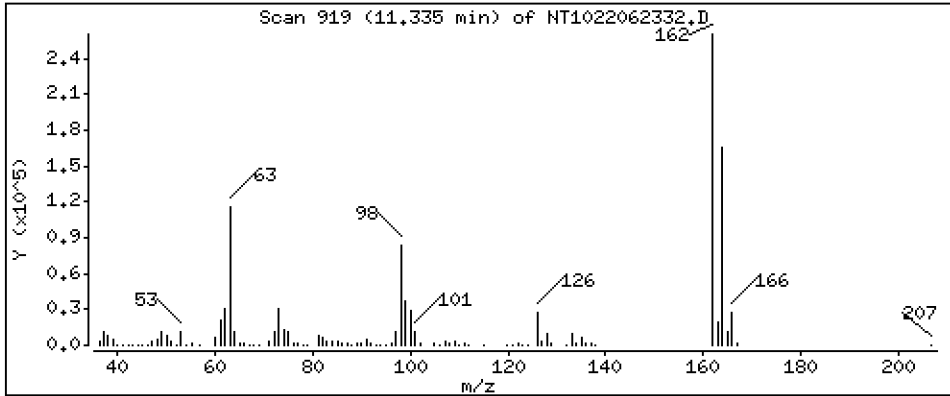
Operator: VTS

Column phase: ZB-5msi

Column diameter: 0,25

25 2,4-Dichlorophenol

Concentration: 10,33 ug/mL



Date : 24-JUN-2022 04:54

Client ID:

Instrument: nt10.i

Sample Info: SKF0270-CCV1

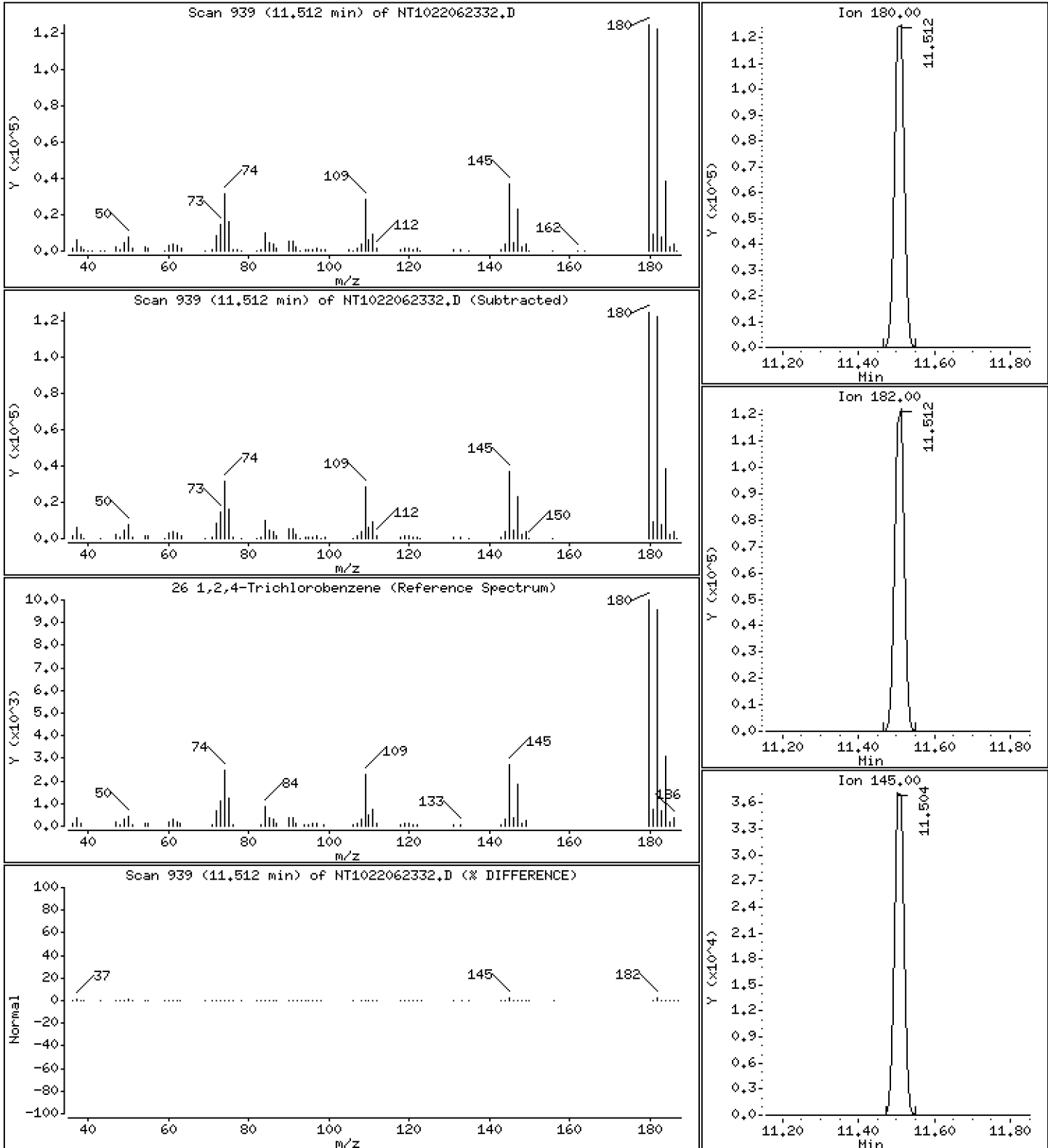
Operator: VTS

Column phase: ZB-5msi

Column diameter: 0,25

26 1,2,4-Trichlorobenzene

Concentration: 4,563 ug/mL



Date : 24-JUN-2022 04:54

Client ID:

Instrument: nt10.i

Sample Info: SKF0270-CCV1

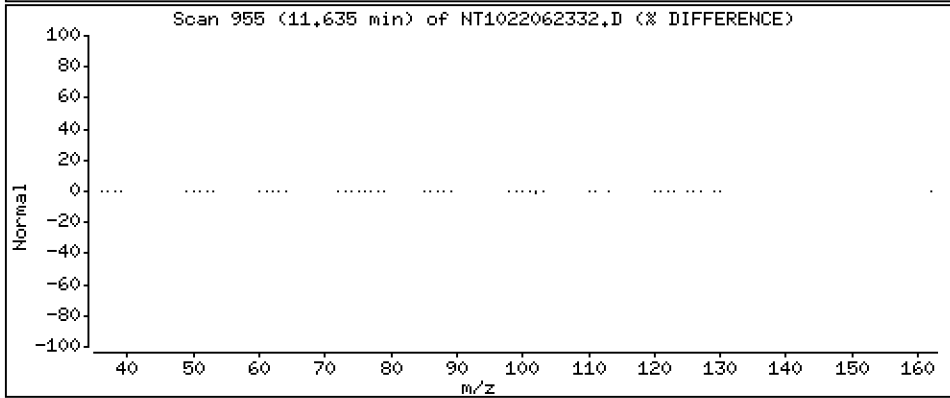
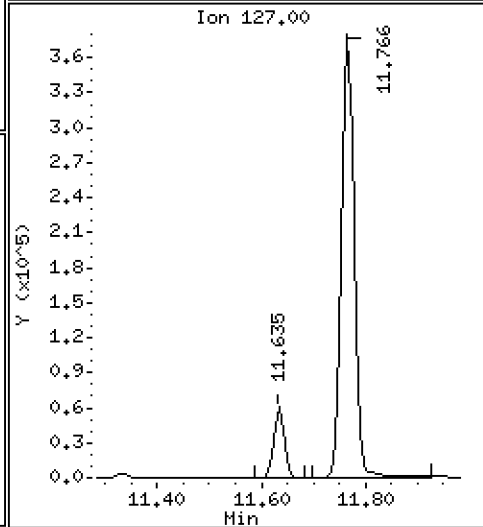
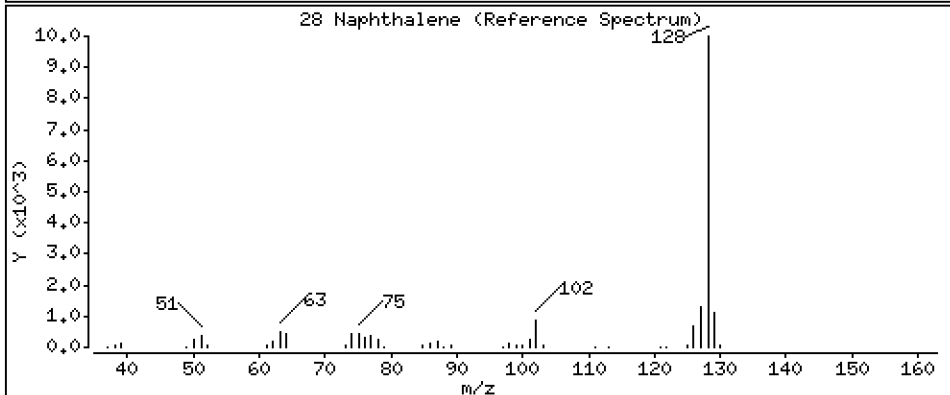
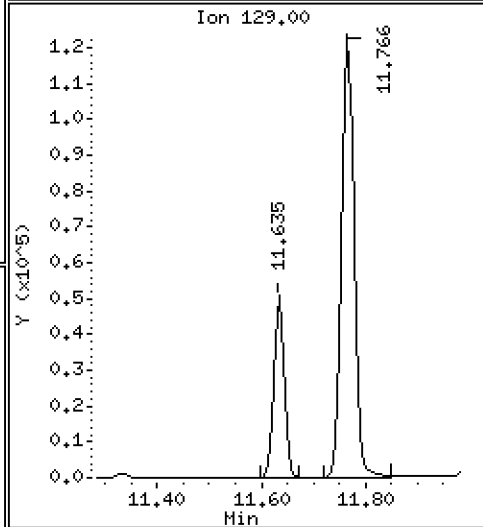
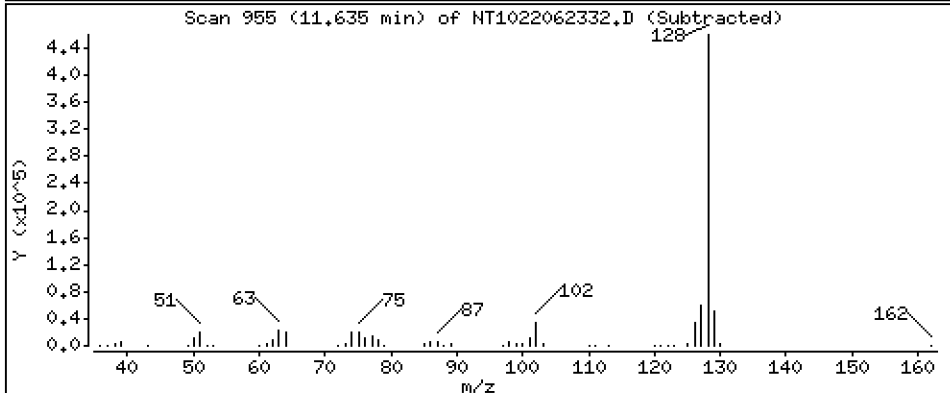
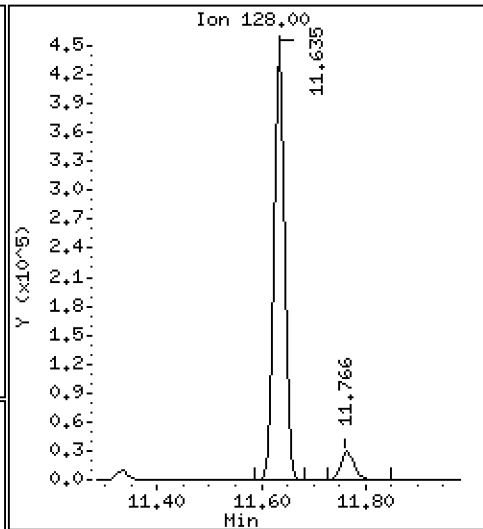
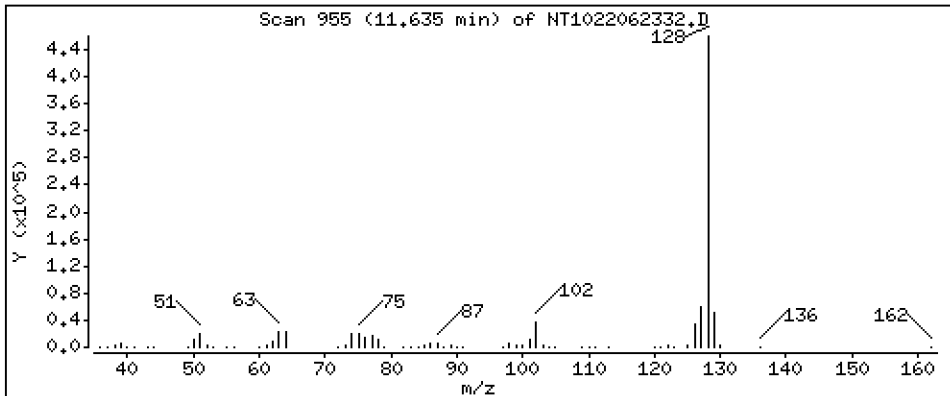
Operator: VTS

Column phase: ZB-5msi

Column diameter: 0.25

28 Naphthalene

Concentration: 5,180 ug/mL



Date : 24-JUN-2022 04:54

Client ID:

Instrument: nt10.i

Sample Info: SKF0270-CCV1

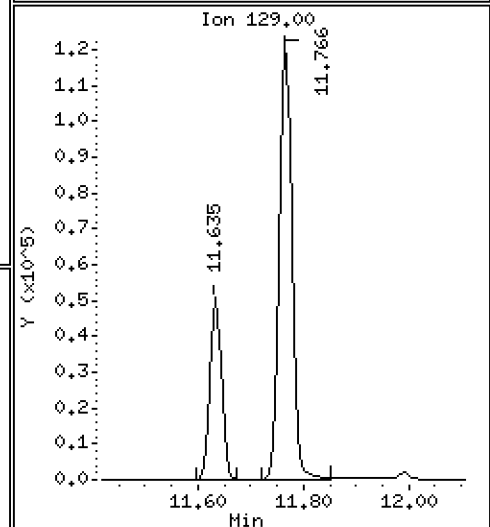
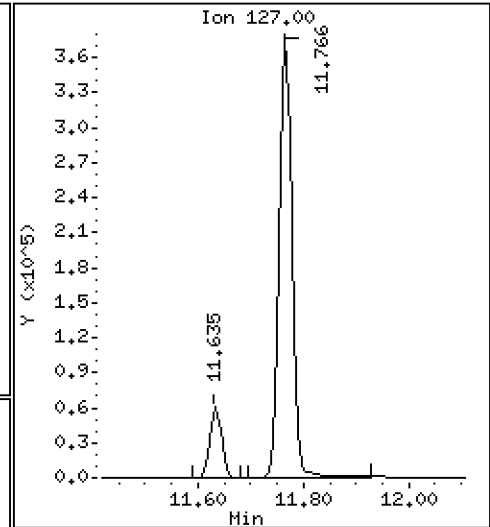
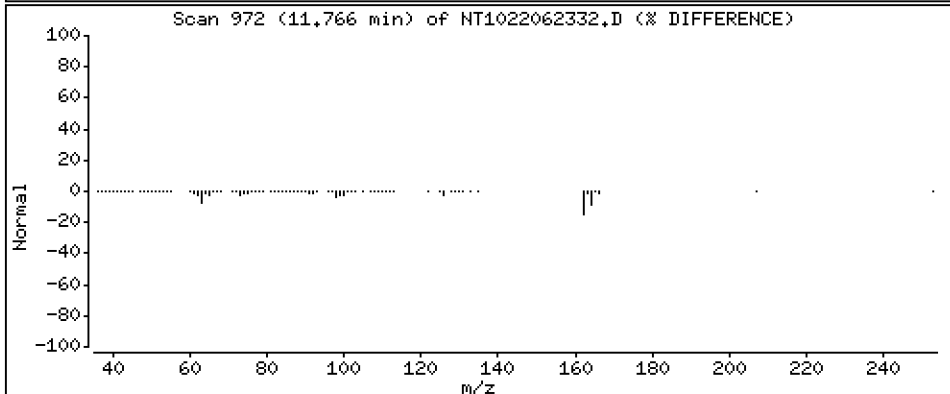
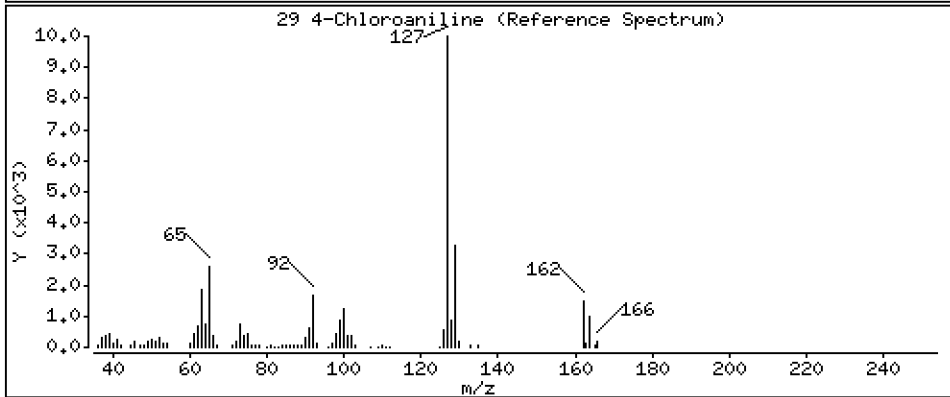
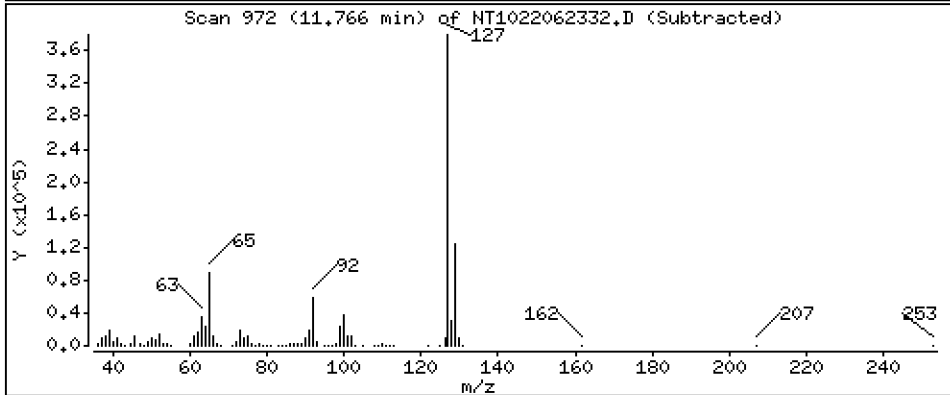
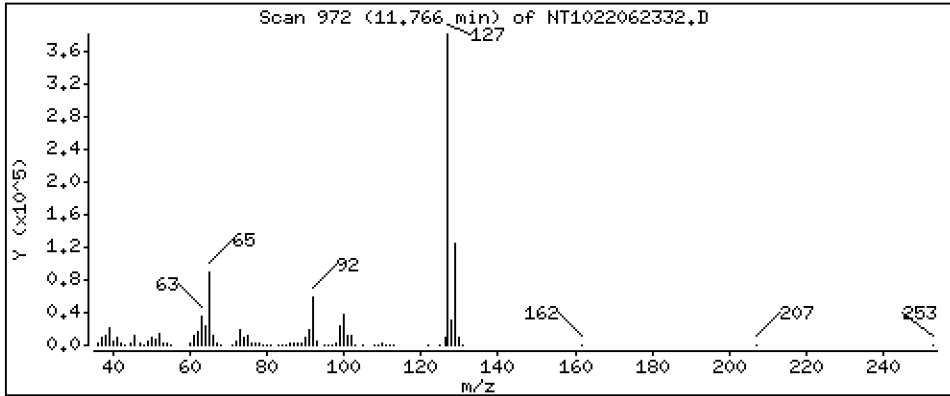
Operator: VTS

Column phase: ZB-5msi

Column diameter: 0,25

29 4-Chloroaniline

Concentration: 11,36 ug/mL



Date : 24-JUN-2022 04:54

Client ID:

Instrument: nt10.i

Sample Info: SKF0270-CCV1

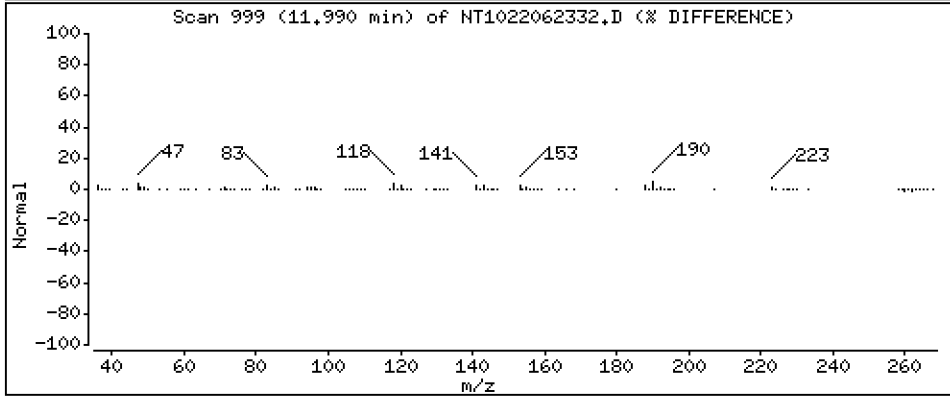
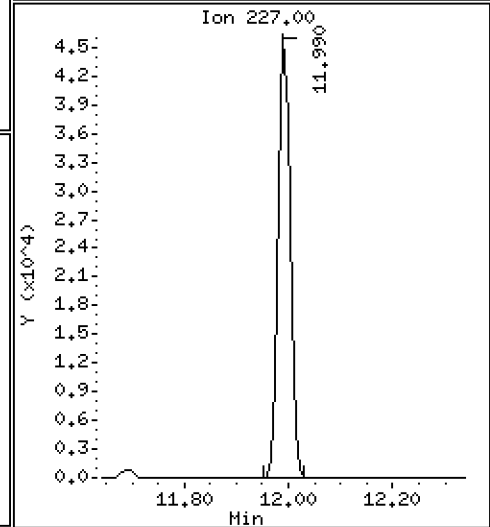
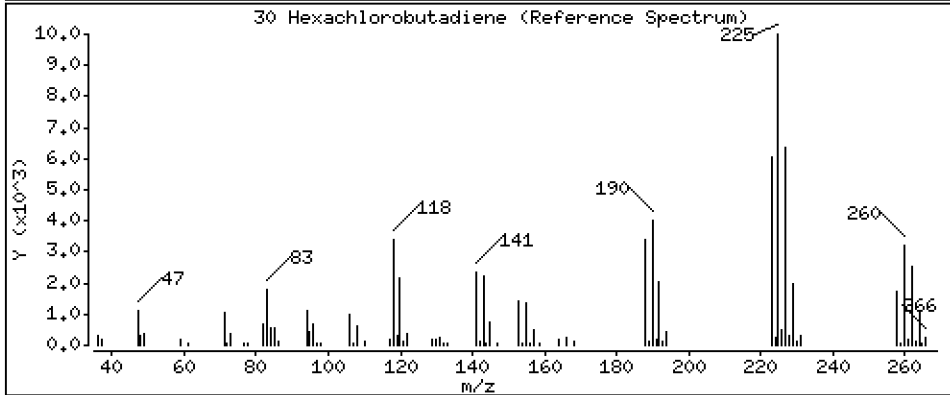
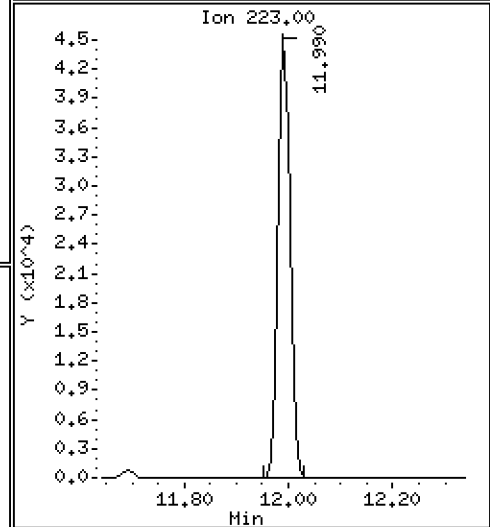
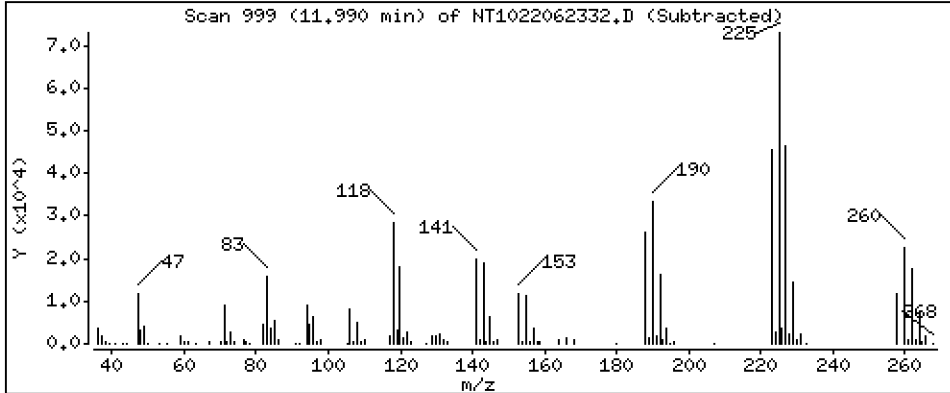
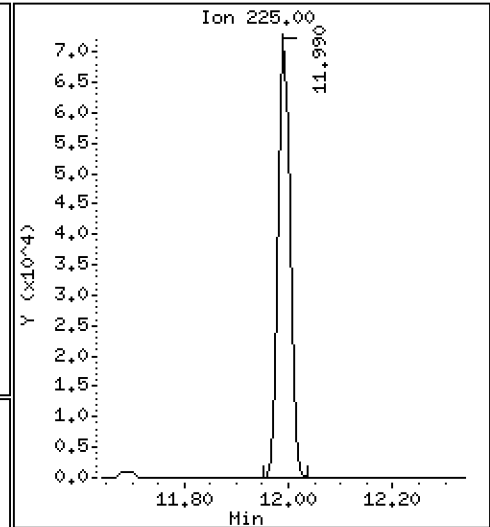
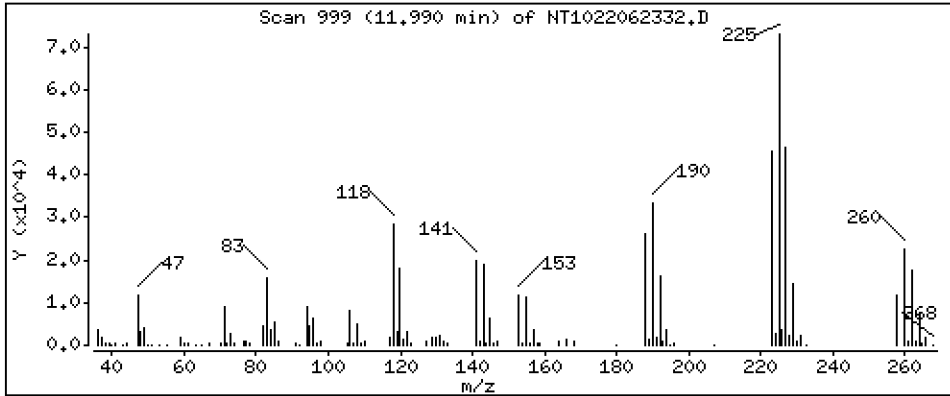
Operator: VTS

Column phase: ZB-5msi

Column diameter: 0,25

30 Hexachlorobutadiene

Concentration: 5,031 ug/mL



Date : 24-JUN-2022 04:54

Client ID:

Instrument: nt10.i

Sample Info: SKF0270-CCV1

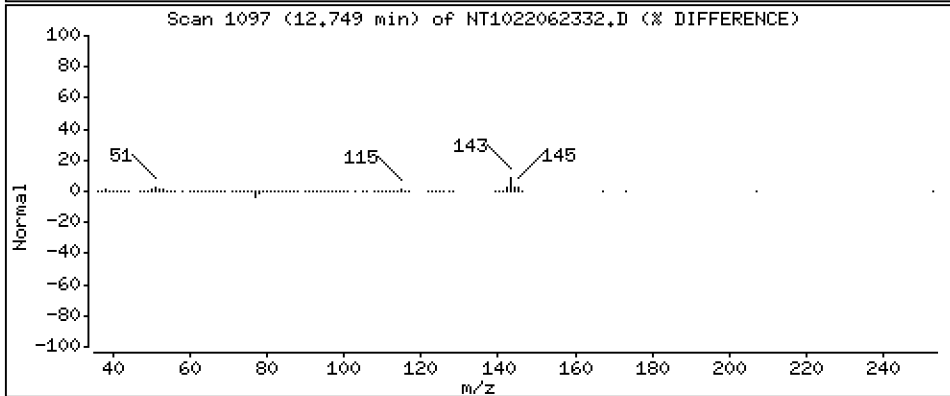
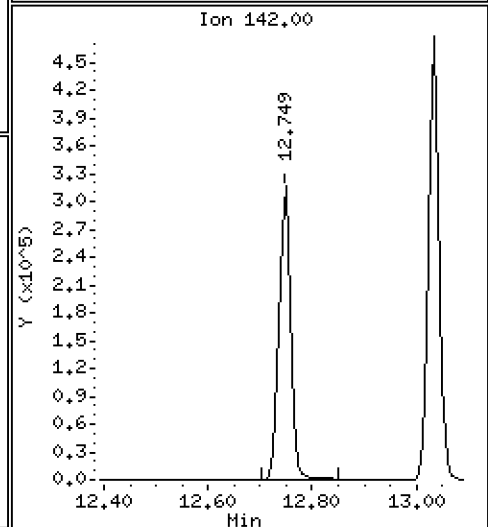
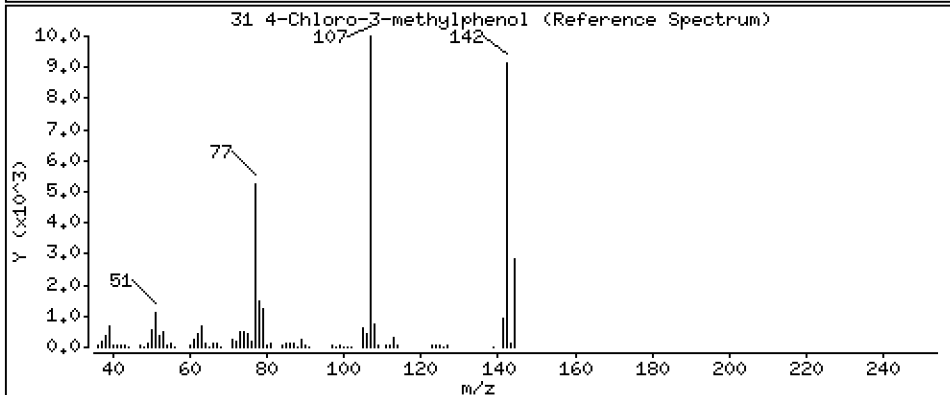
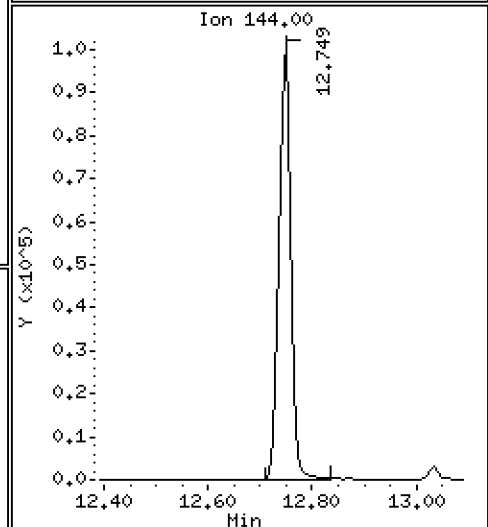
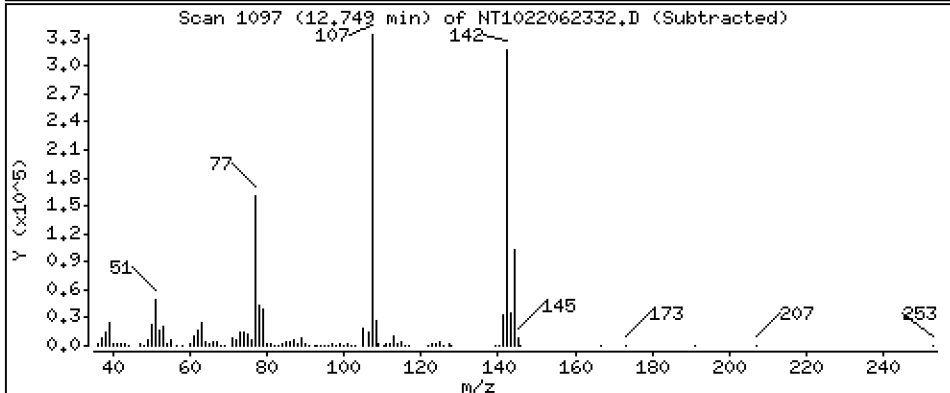
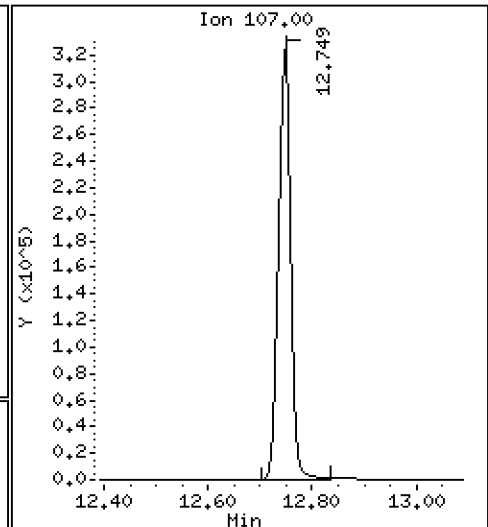
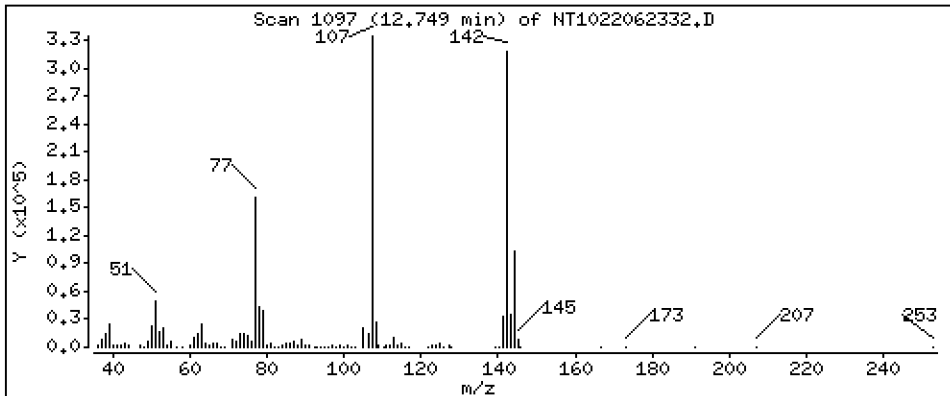
Operator: VTS

Column phase: ZB-5msi

Column diameter: 0,25

31 4-Chloro-3-methylphenol

Concentration: 9,939 ug/mL



Date : 24-JUN-2022 04:54

Client ID:

Instrument: nt10.i

Sample Info: SKF0270-CCV1

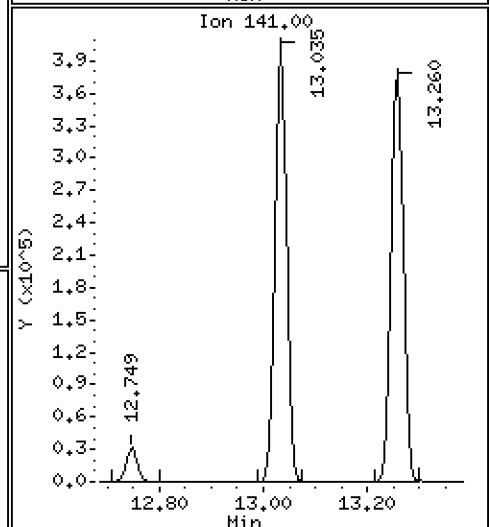
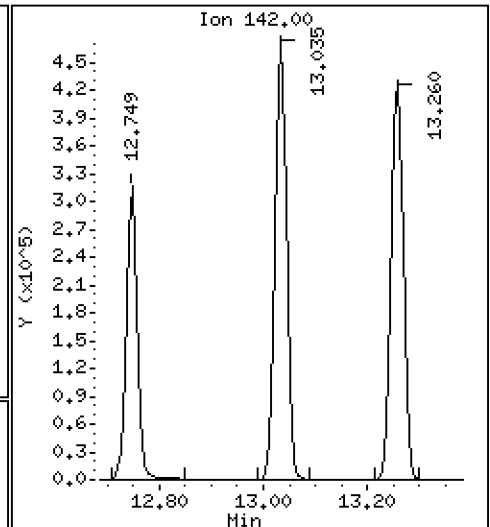
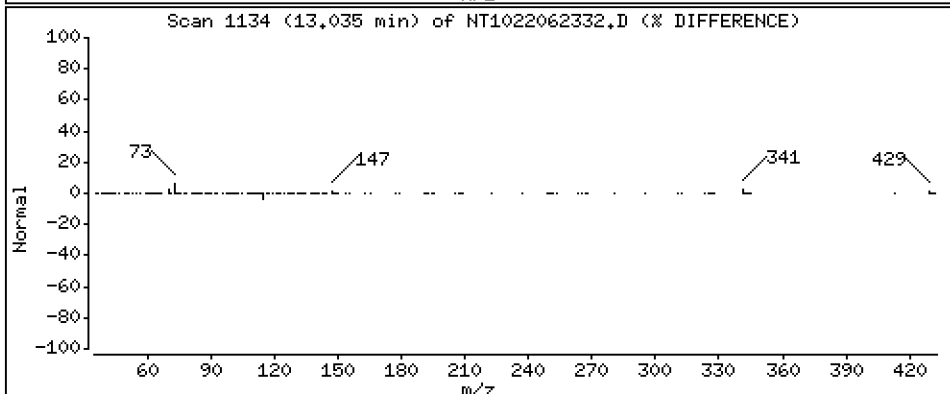
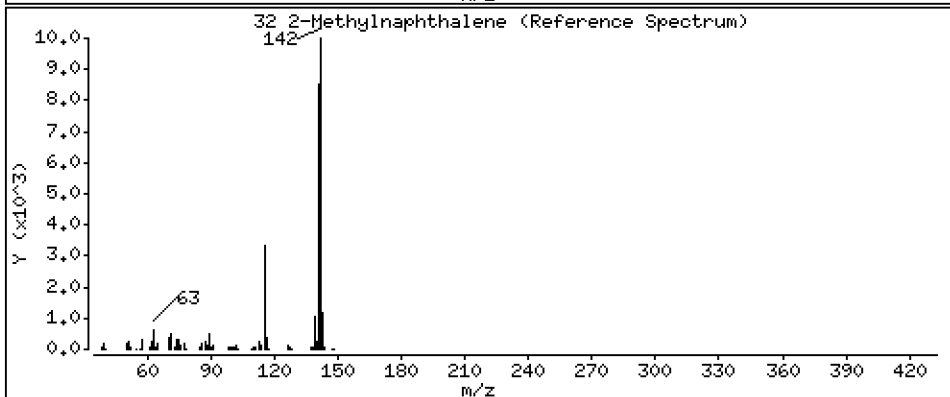
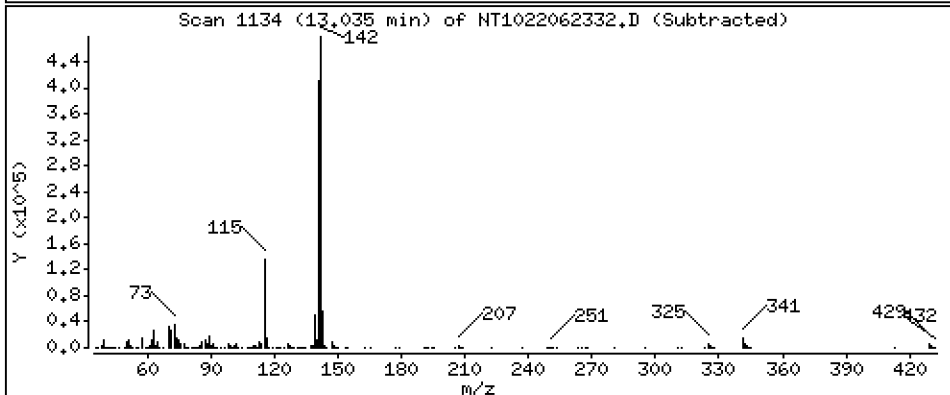
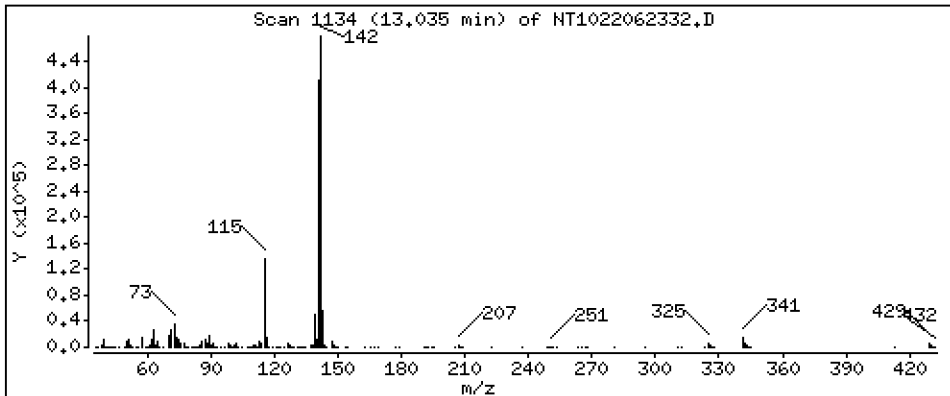
Operator: VTS

Column phase: ZB-5msi

Column diameter: 0,25

32 2-Methylnaphthalene

Concentration: 5,333 ug/mL



Date : 24-JUN-2022 04:54

Client ID:

Instrument: nt10.i

Sample Info: SKF0270-CCV1

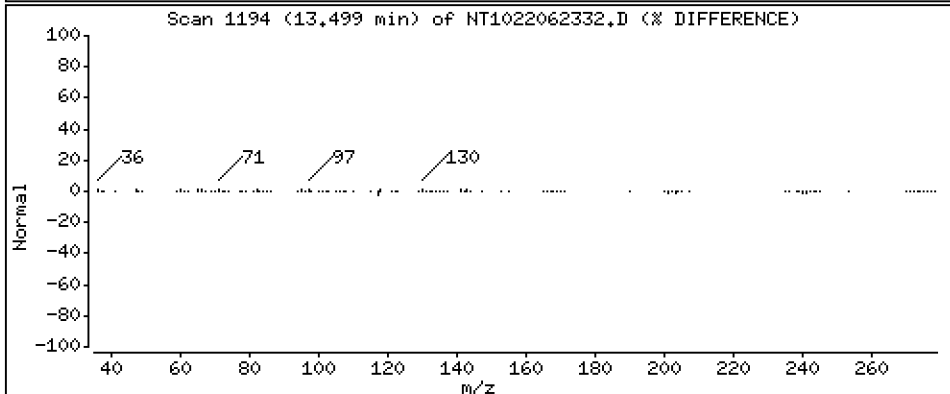
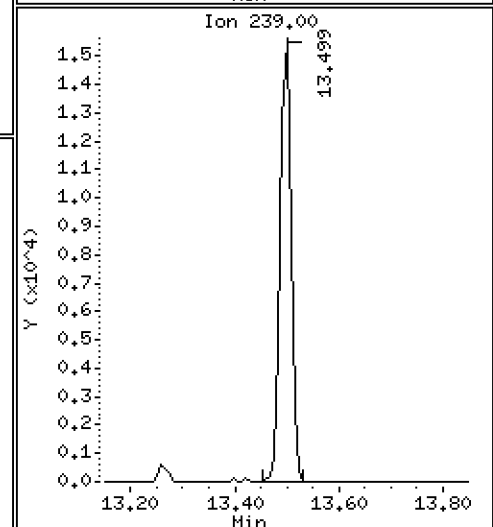
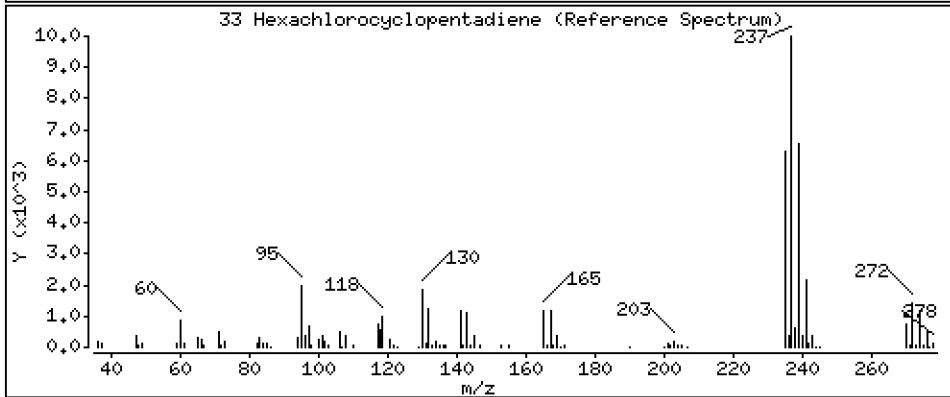
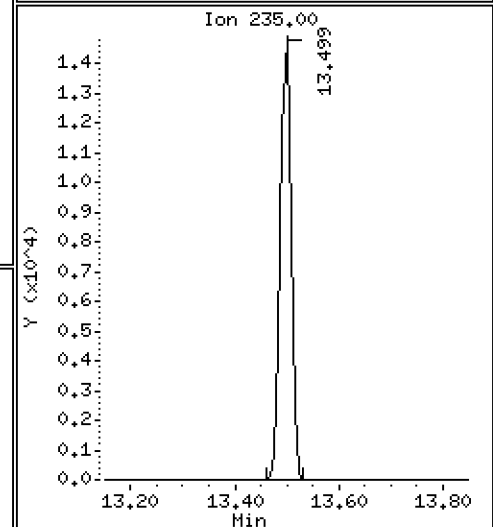
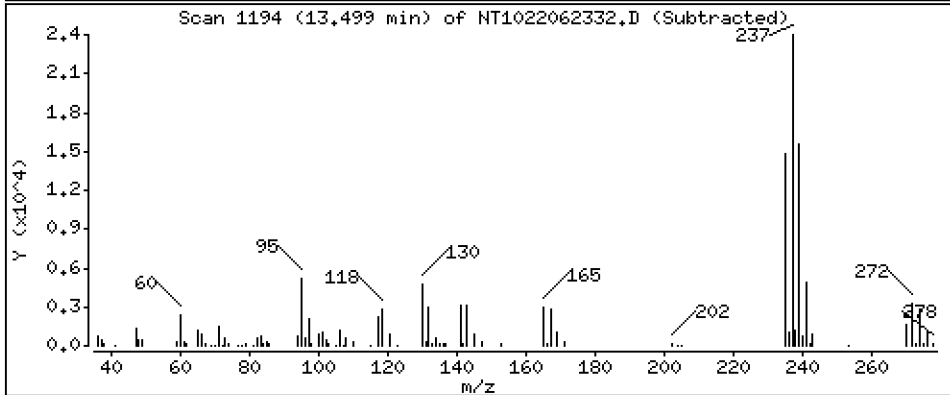
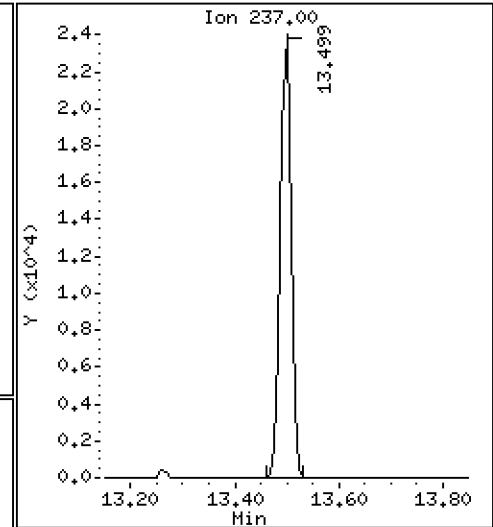
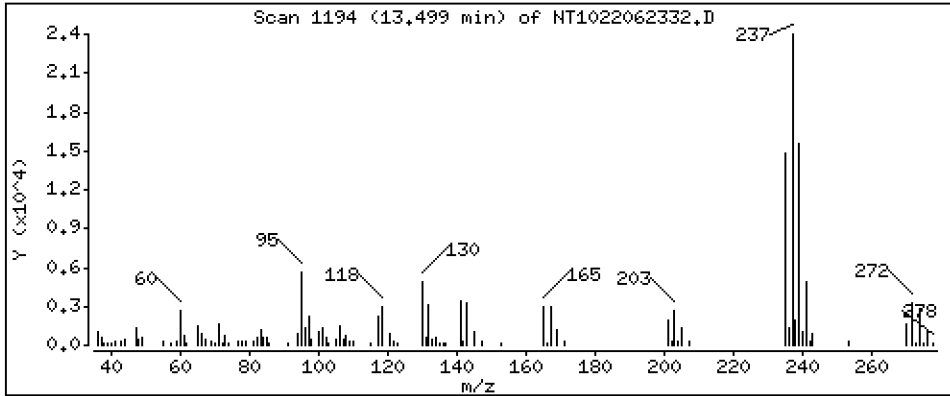
Operator: VTS

Column phase: ZB-5msi

Column diameter: 0,25

33 Hexachlorocyclopentadiene

Concentration: 1,959 ug/mL



Date : 24-JUN-2022 04:54

Client ID:

Instrument: nt10.i

Sample Info: SKF0270-CCV1

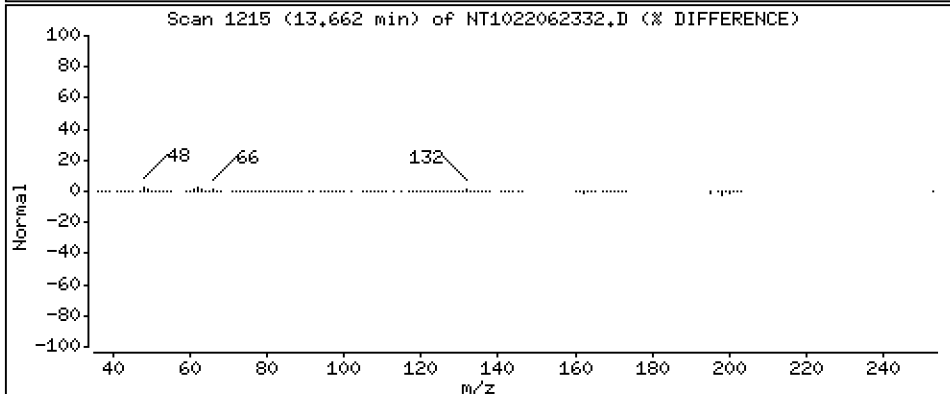
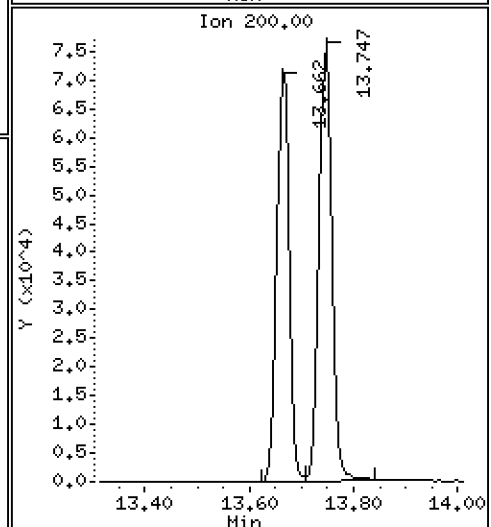
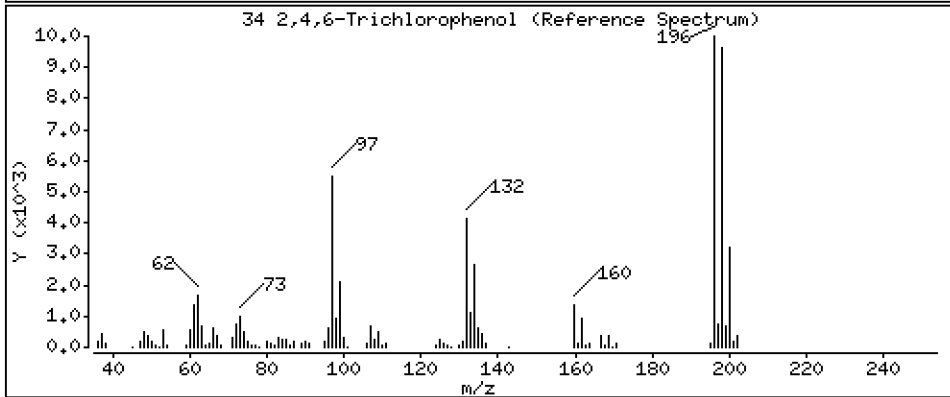
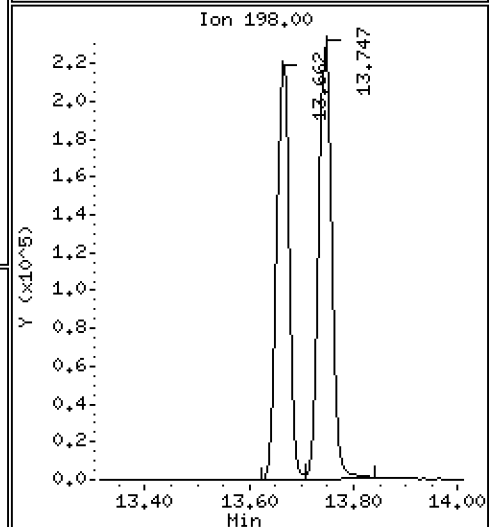
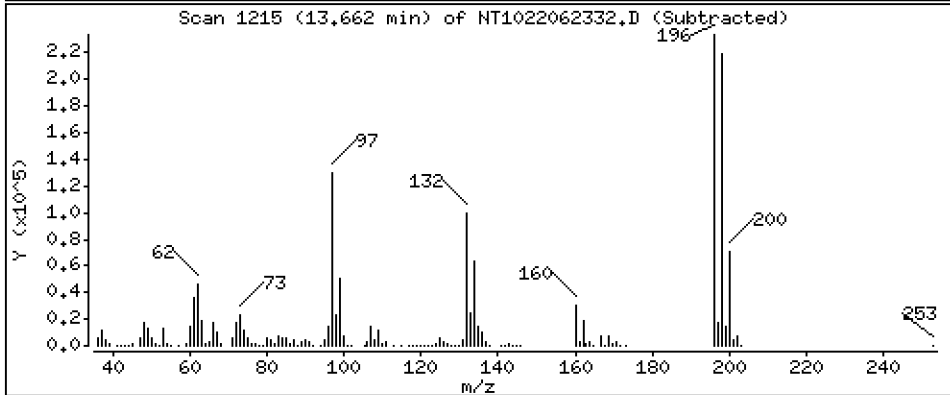
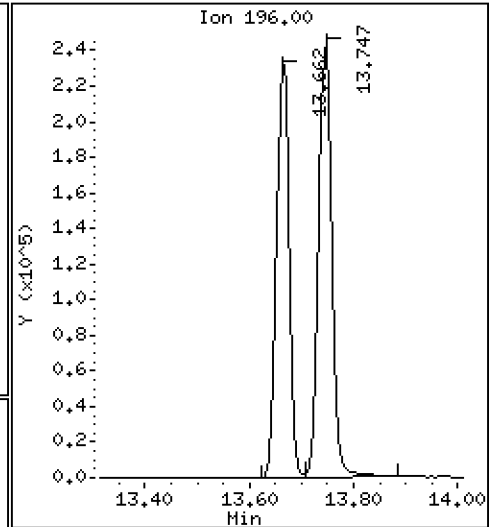
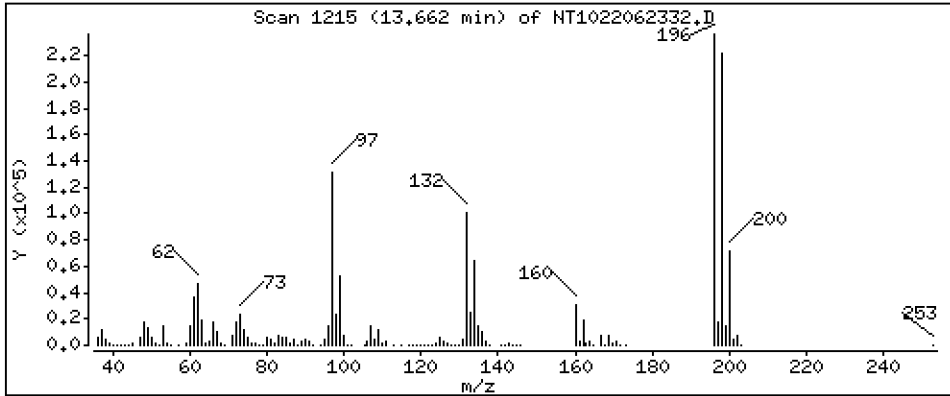
Operator: VTS

Column phase: ZB-5msi

Column diameter: 0,25

34 2,4,6-Trichlorophenol

Concentration: 11,51 ug/mL



Date : 24-JUN-2022 04:54

Client ID:

Instrument: nt10.i

Sample Info: SKF0270-CCV1

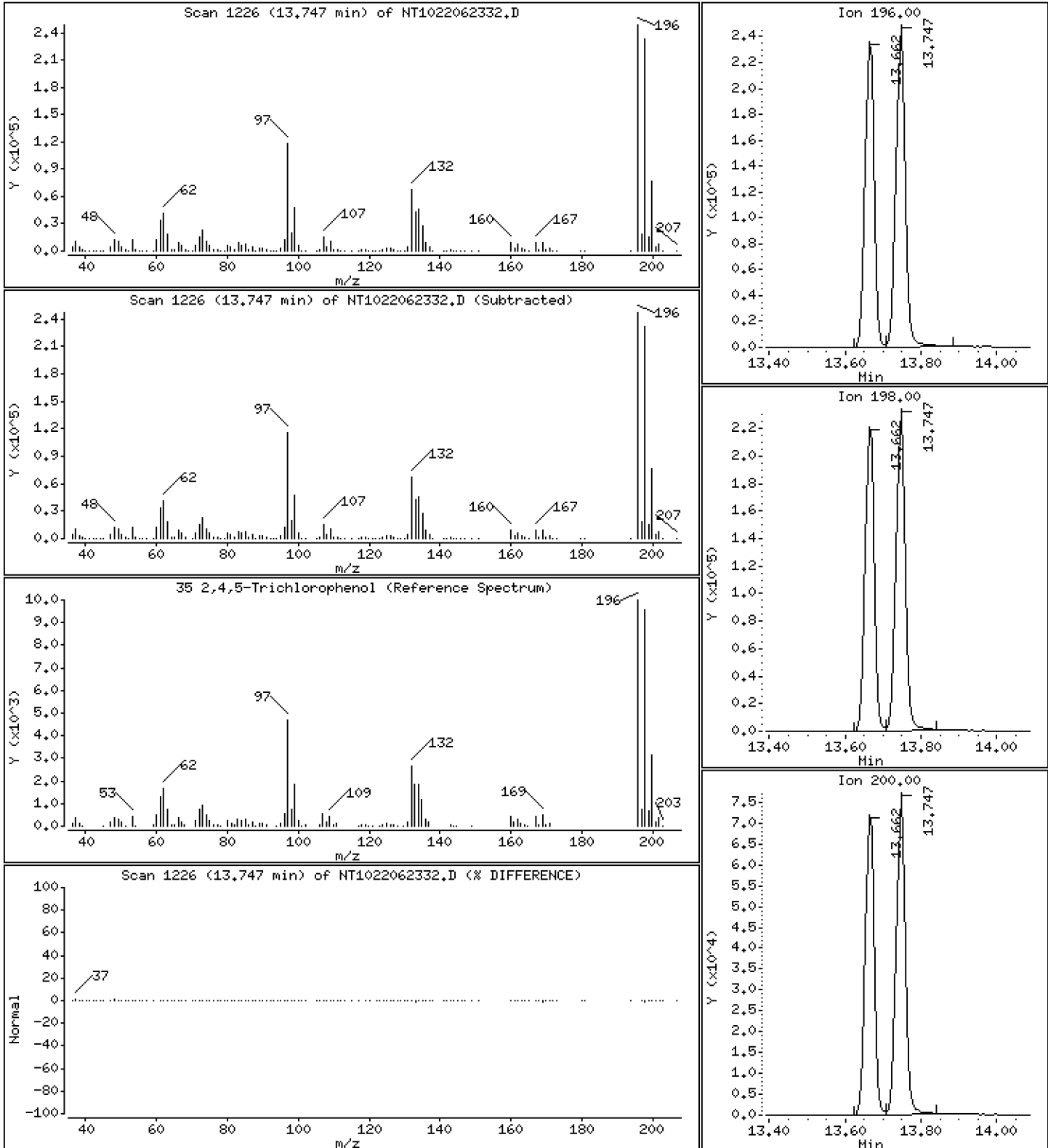
Operator: VTS

Column phase: ZB-5msi

Column diameter: 0,25

35 2,4,5-Trichlorophenol

Concentration: 10,54 ug/mL



Date : 24-JUN-2022 04:54

Client ID:

Instrument: nt10.i

Sample Info: SKF0270-CCV1

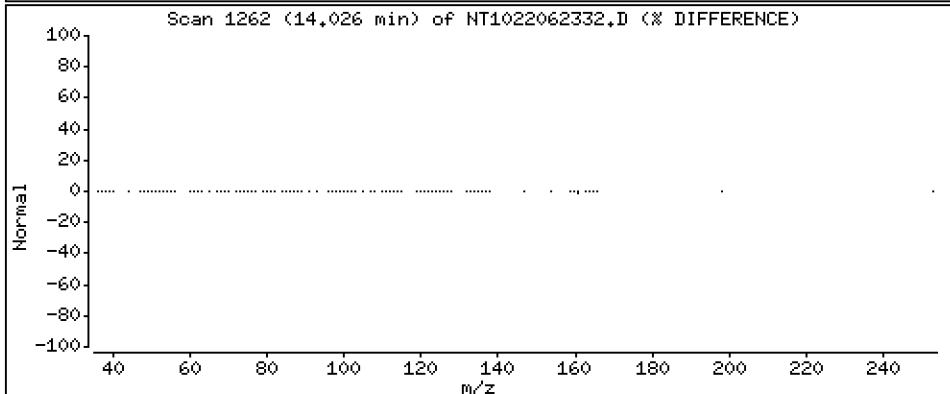
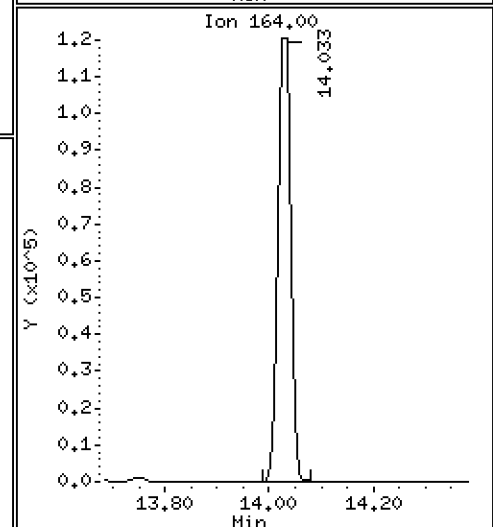
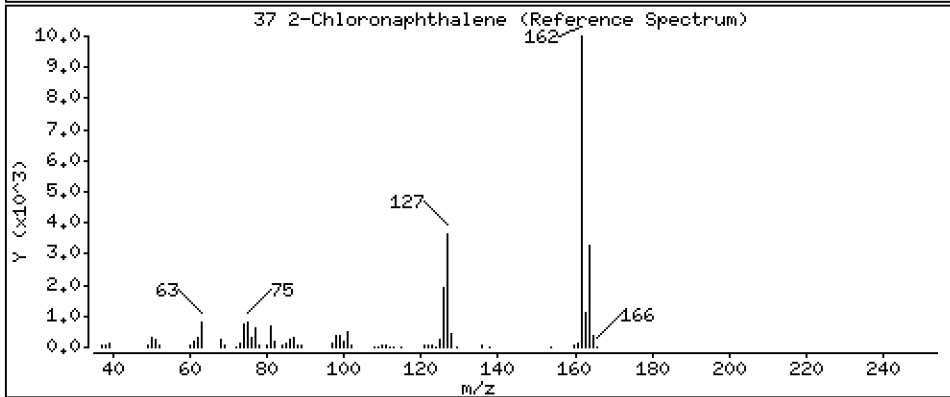
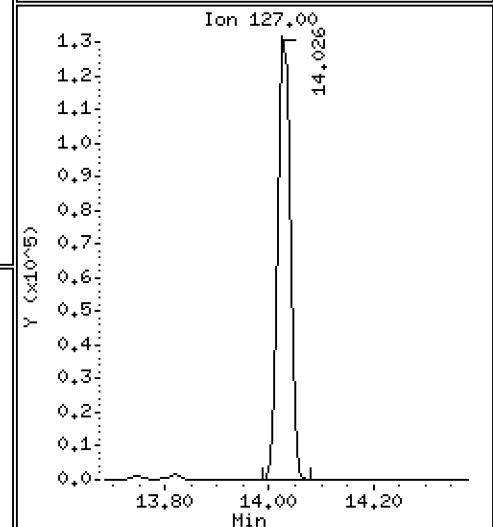
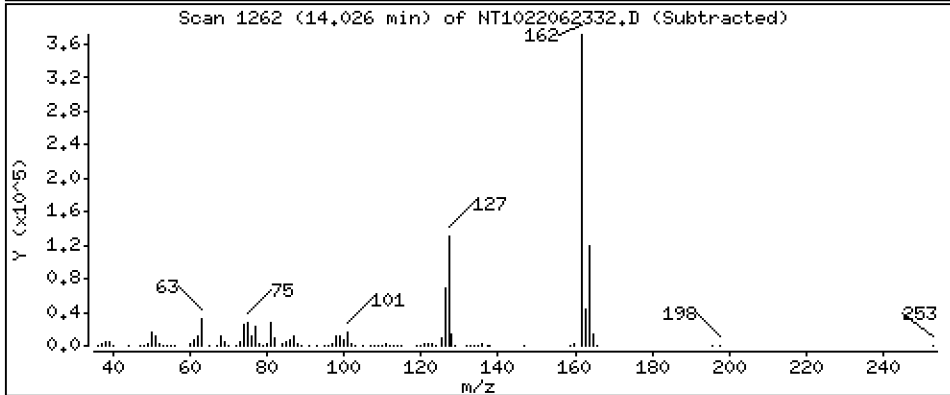
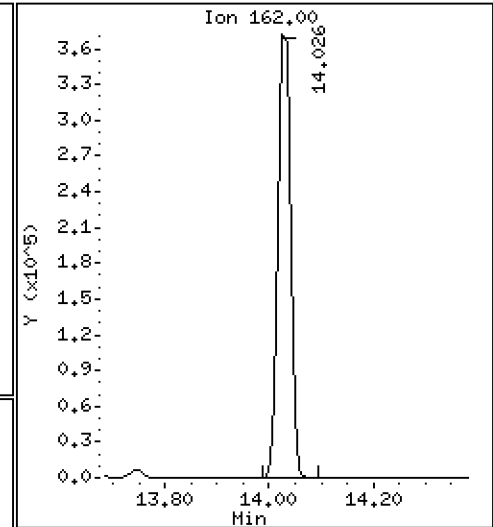
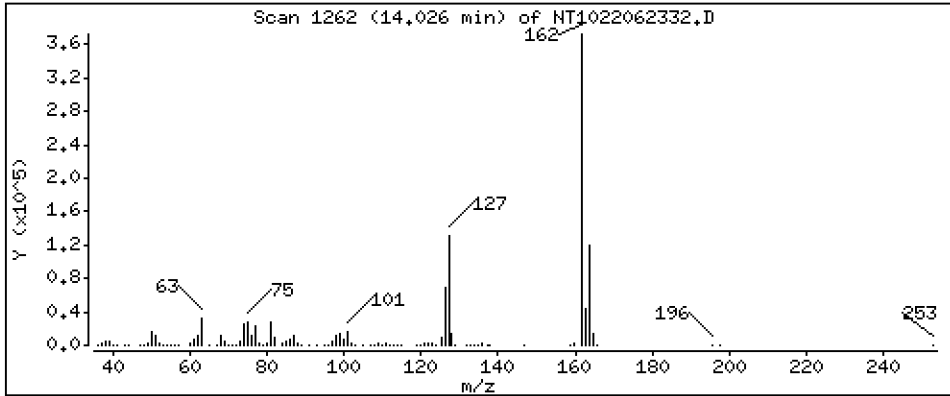
Operator: VTS

Column phase: ZB-5msi

Column diameter: 0,25

37 2-Chloronaphthalene

Concentration: 5,192 ug/mL



Date : 24-JUN-2022 04:54

Client ID:

Instrument: nt10.i

Sample Info: SKF0270-CCV1

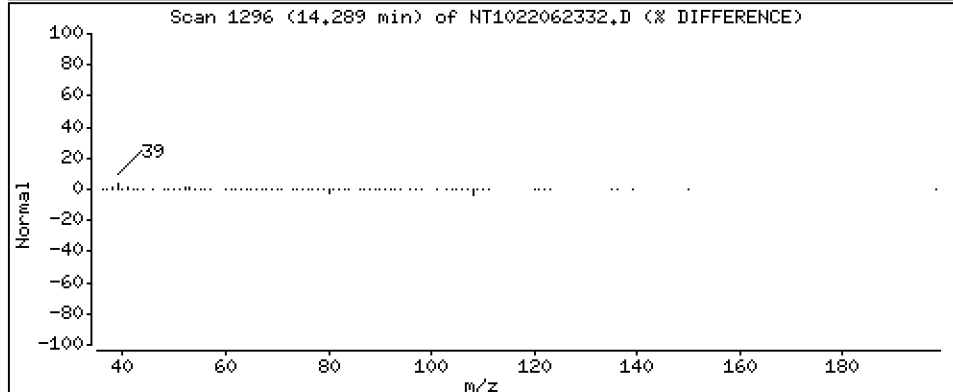
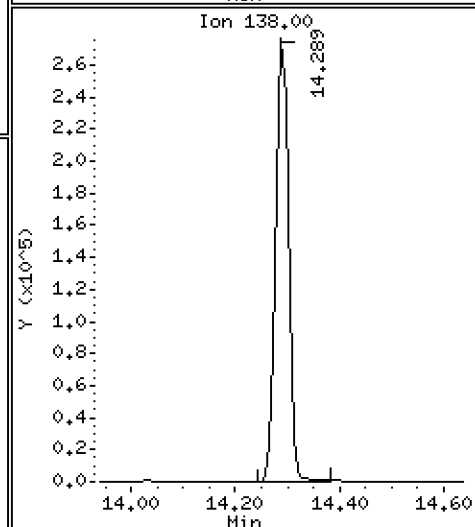
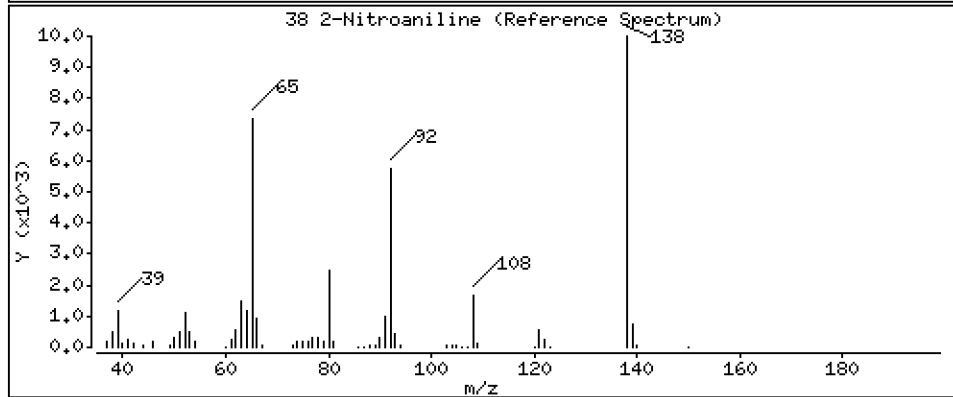
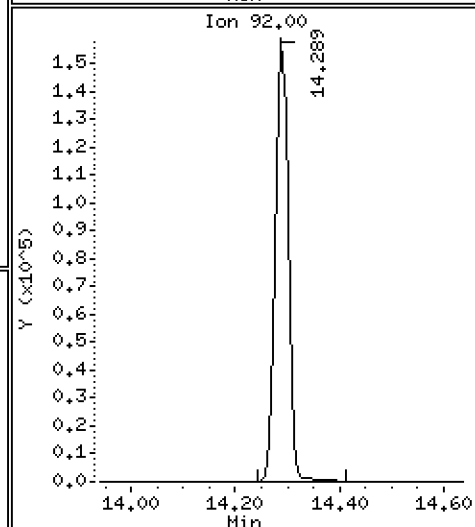
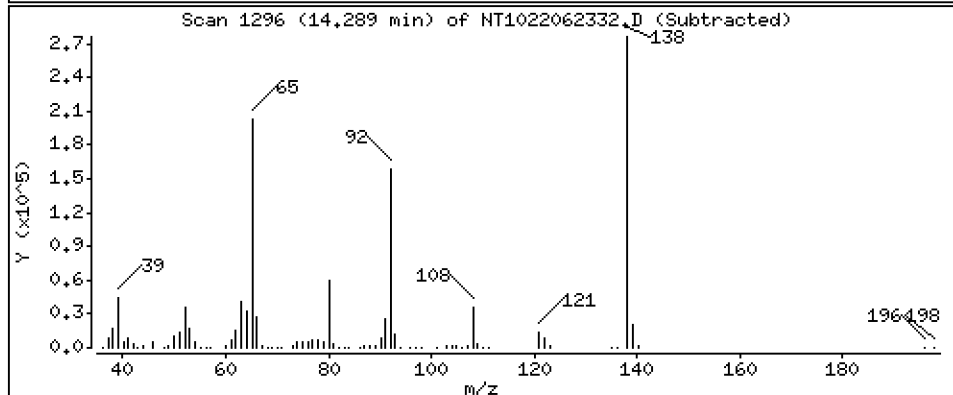
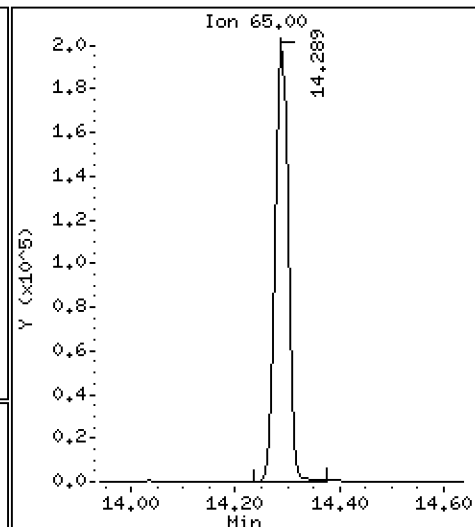
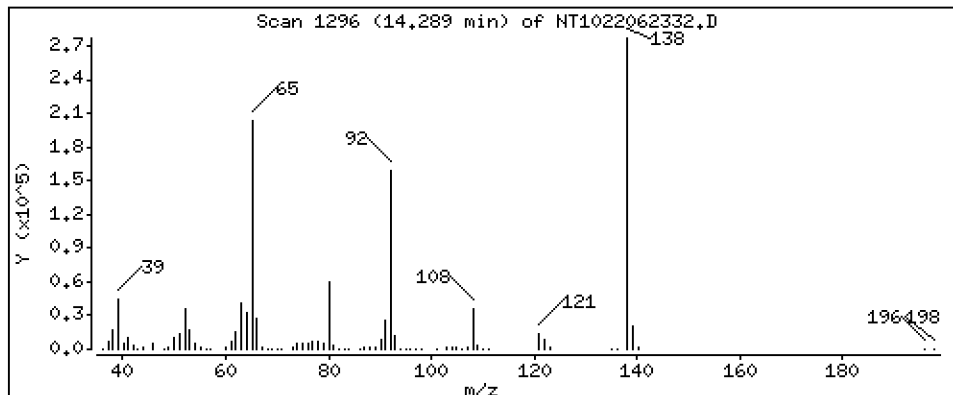
Operator: VTS

Column phase: ZB-5msi

Column diameter: 0,25

38 2-Nitroaniline

Concentration: 10,88 ug/mL



Date : 24-JUN-2022 04:54

Client ID:

Instrument: nt10.i

Sample Info: SKF0270-CCV1

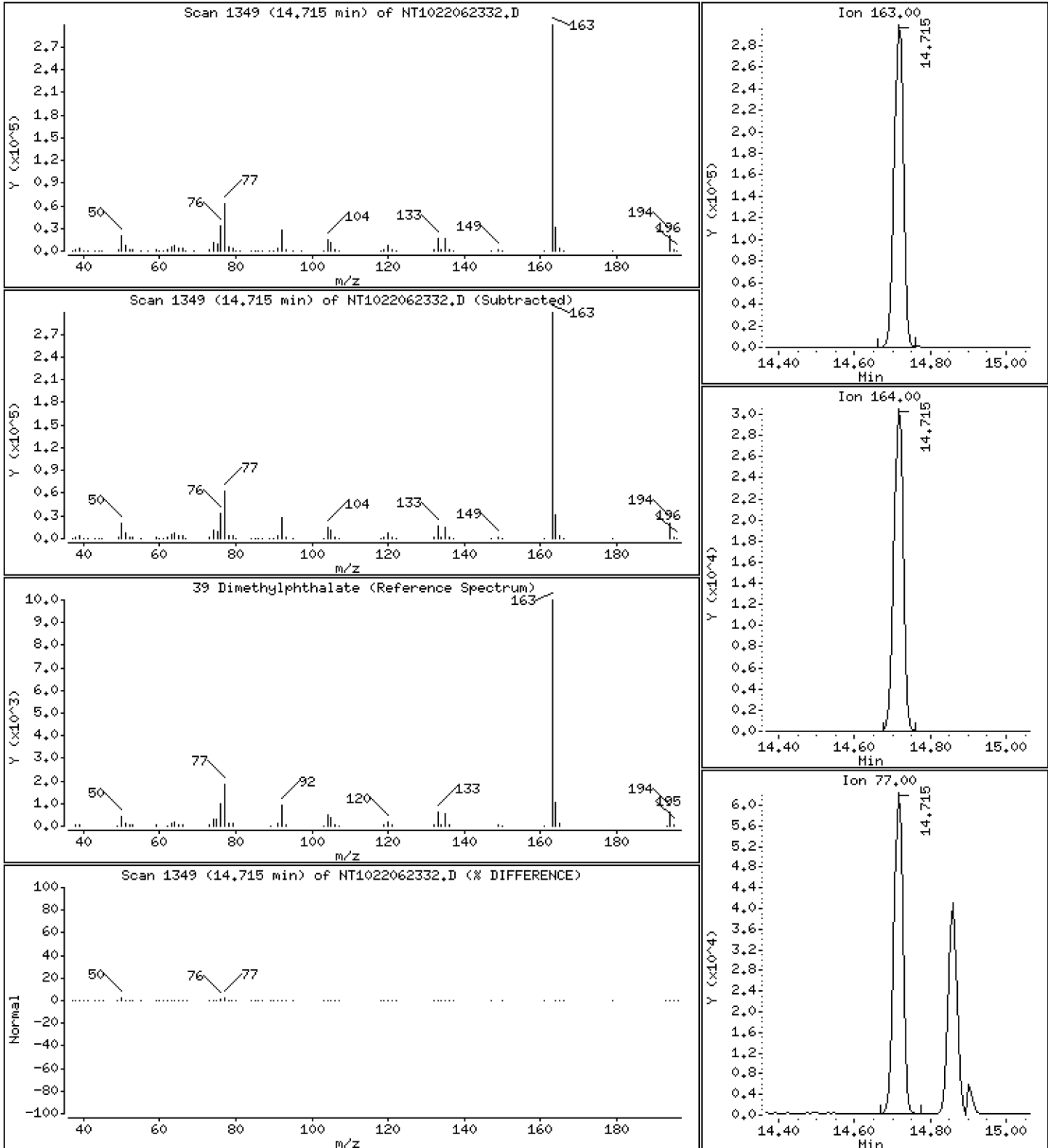
Operator: VTS

Column phase: ZB-5msi

Column diameter: 0,25

39 Dimethylphthalate

Concentration: 4,855 ug/mL



Date : 24-JUN-2022 04:54

Client ID:

Instrument: nt10.i

Sample Info: SKF0270-CCV1

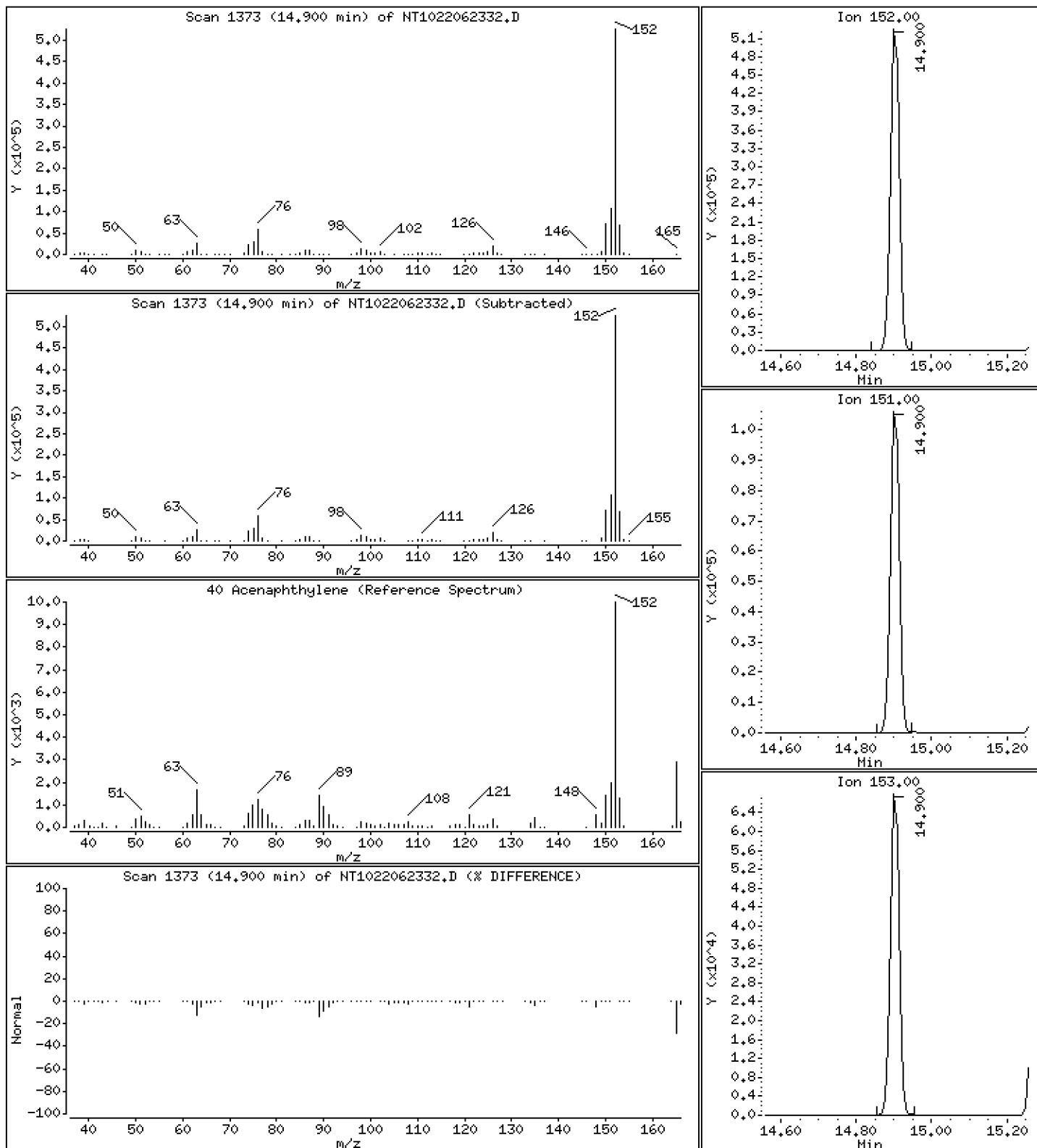
Operator: VTS

Column phase: ZB-5msi

Column diameter: 0,25

40 Acenaphthylene

Concentration: 4,781 ug/mL



Date : 24-JUN-2022 04:54

Client ID:

Instrument: nt10.i

Sample Info: SKF0270-CCV1

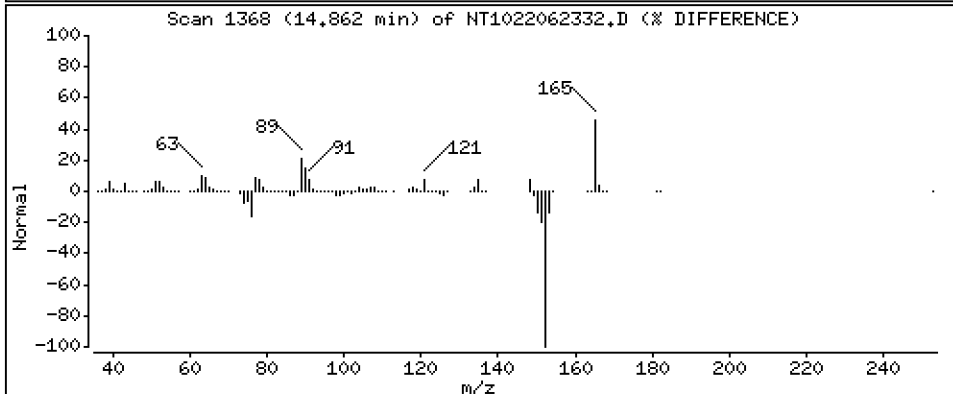
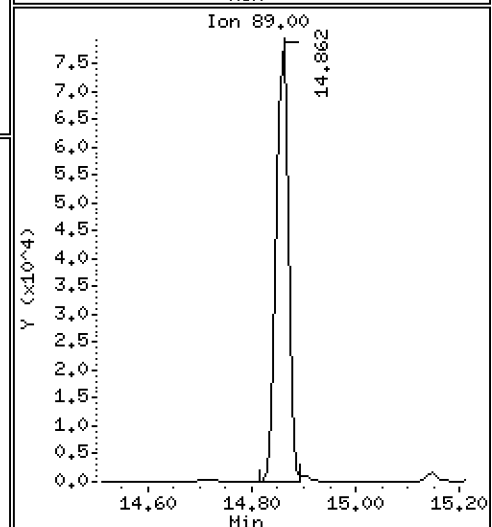
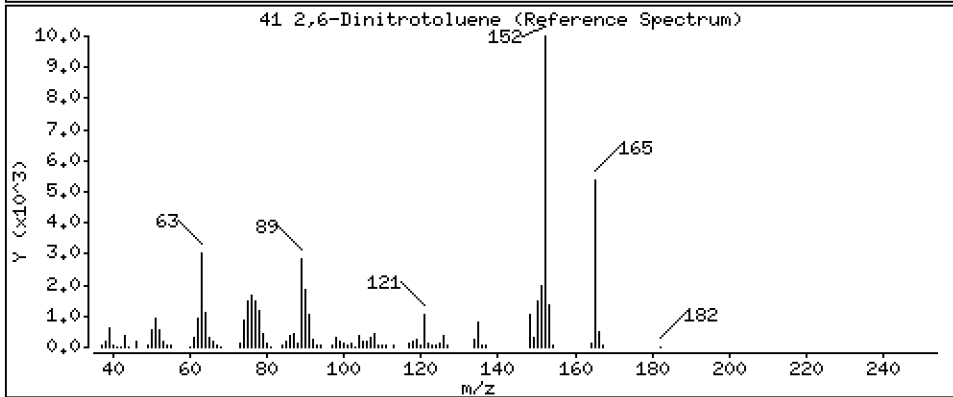
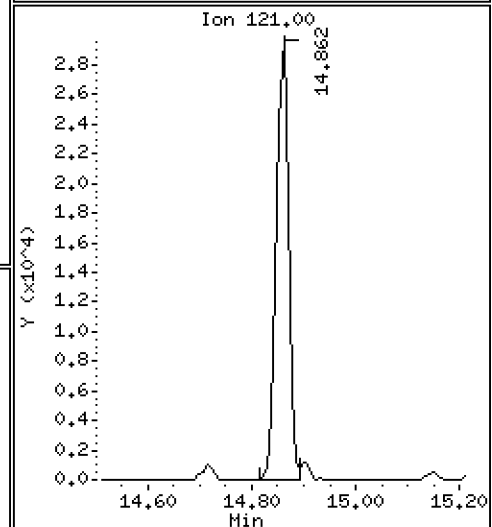
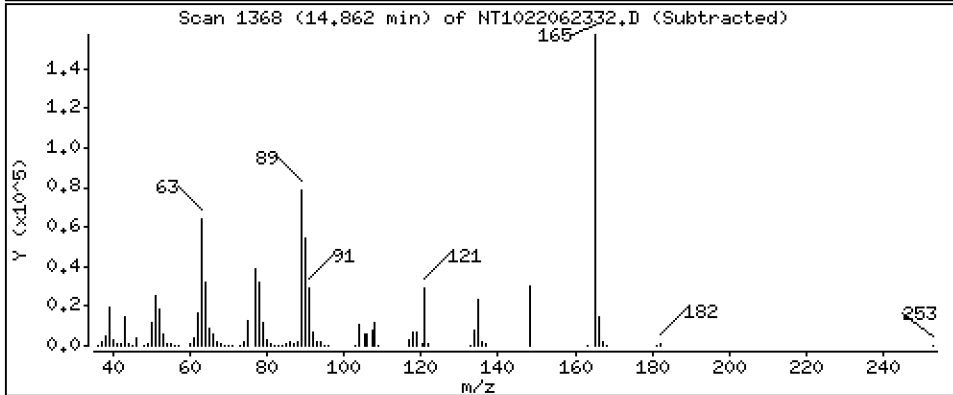
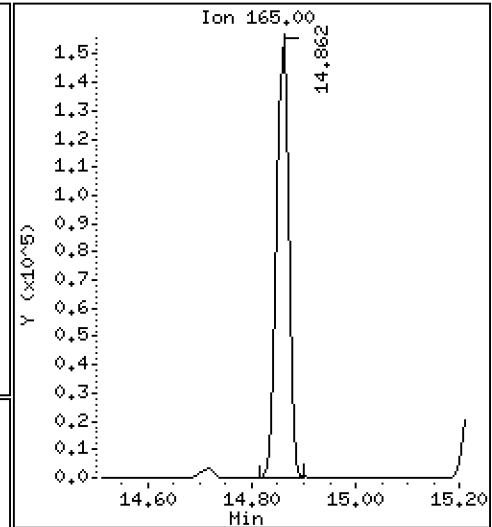
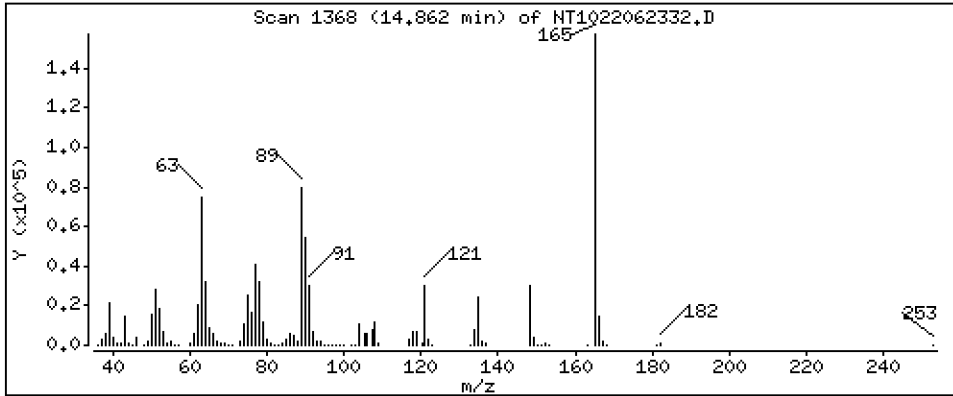
Operator: VTS

Column phase: ZB-5msi

Column diameter: 0,25

41 2,6-Dinitrotoluene

Concentration: 10,28 ug/mL



Date : 24-JUN-2022 04:54

Client ID:

Instrument: nt10.i

Sample Info: SKF0270-CCV1

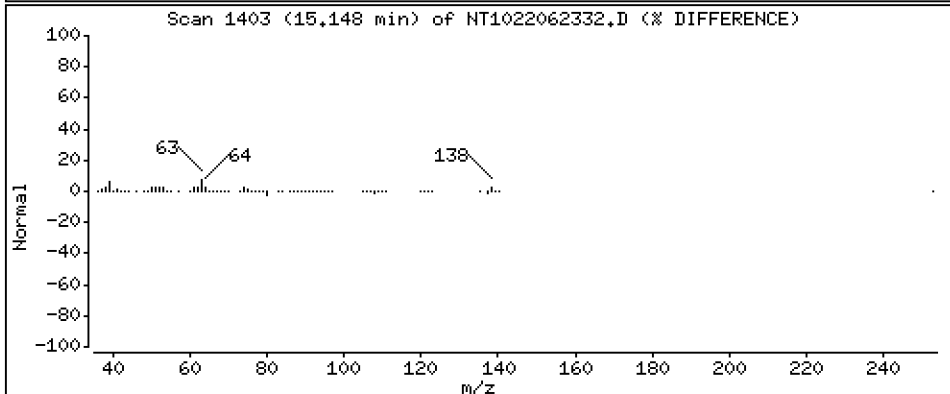
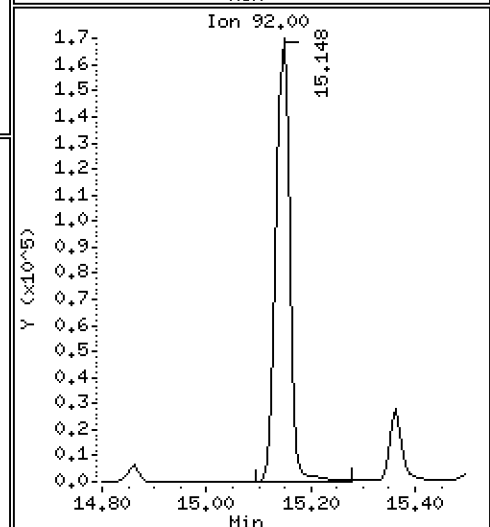
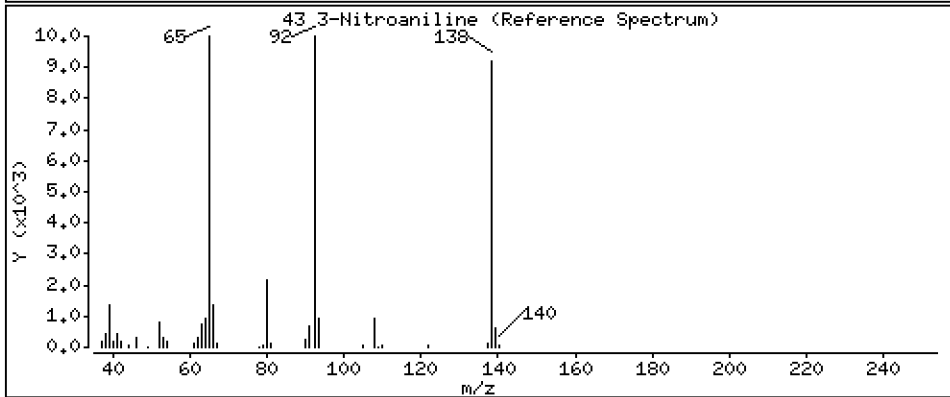
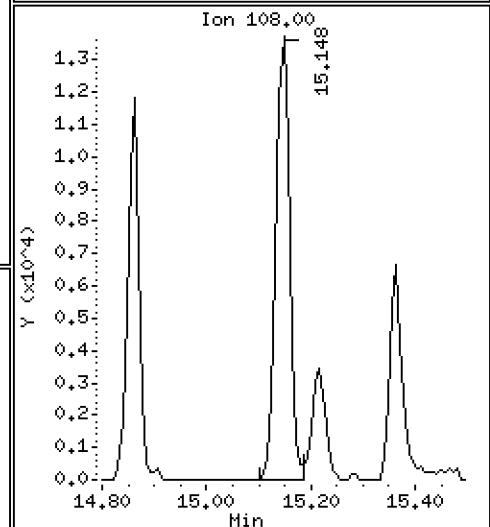
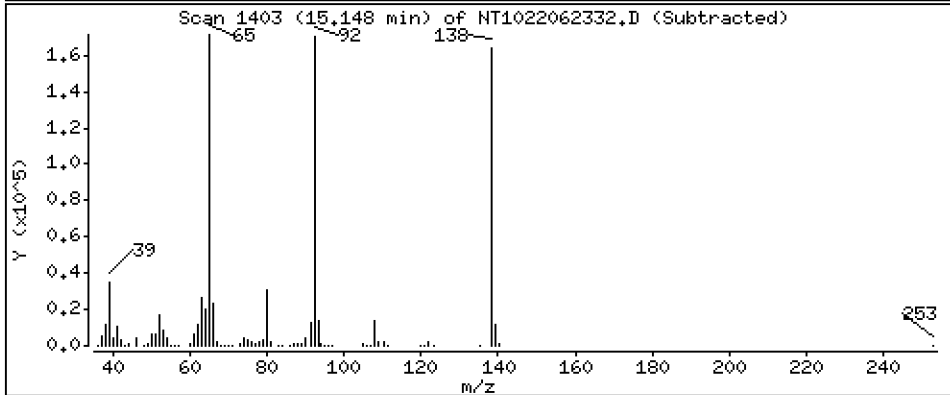
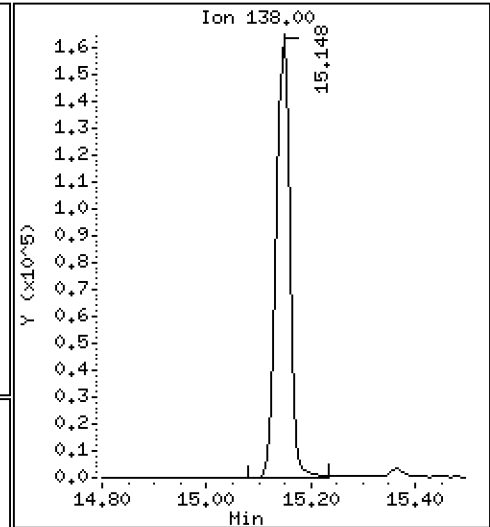
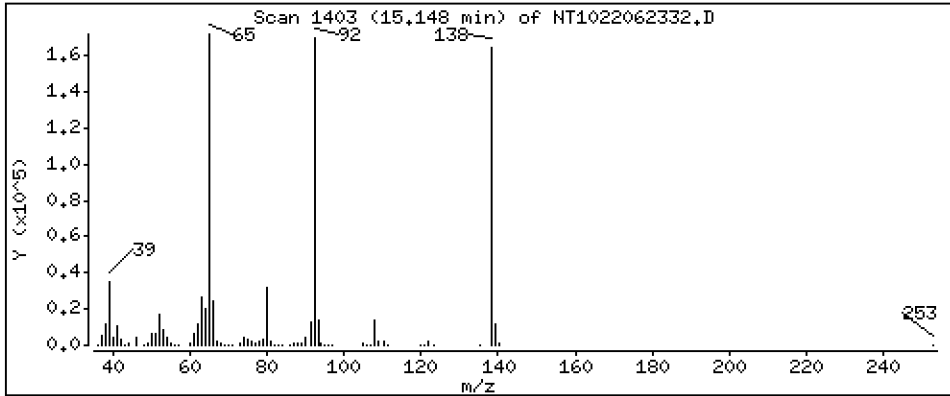
Operator: VTS

Column phase: ZB-5msi

Column diameter: 0,25

43 3-Nitroaniline

Concentration: 10,40 ug/mL



Date : 24-JUN-2022 04:54

Client ID:

Instrument: nt10.i

Sample Info: SKF0270-CCV1

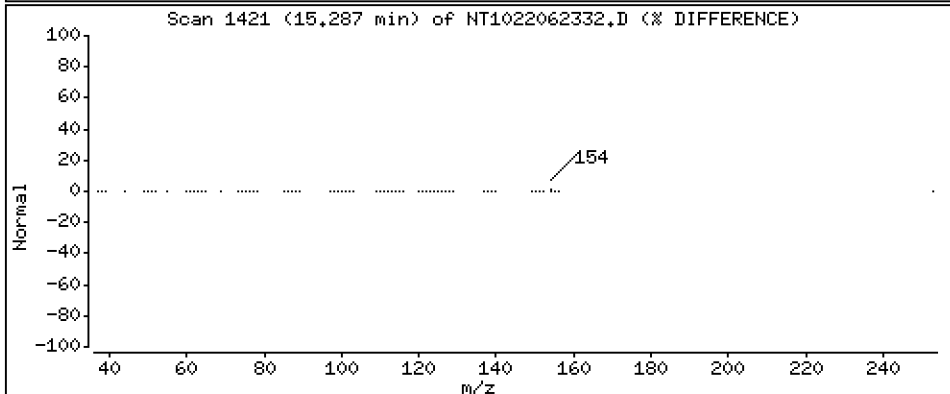
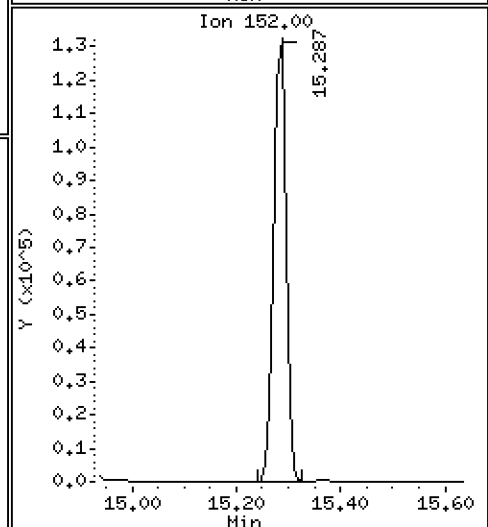
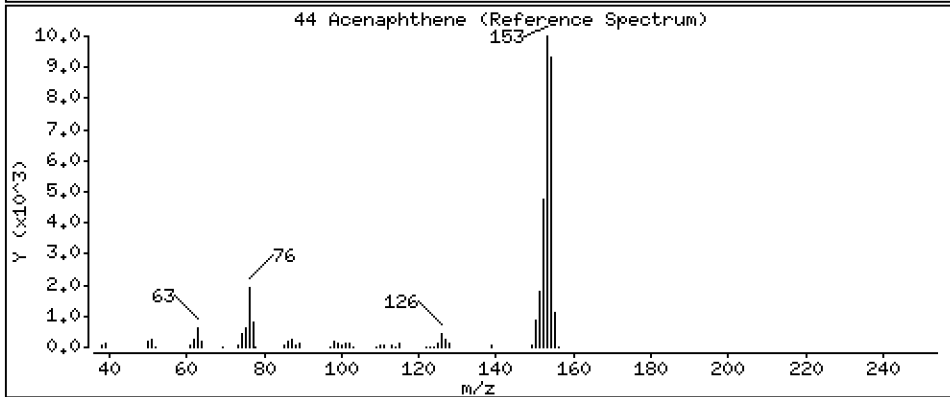
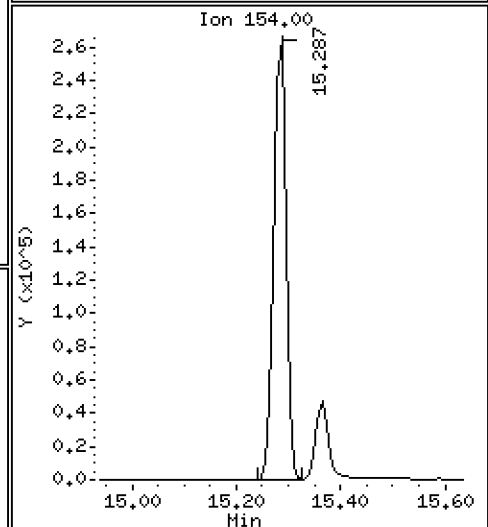
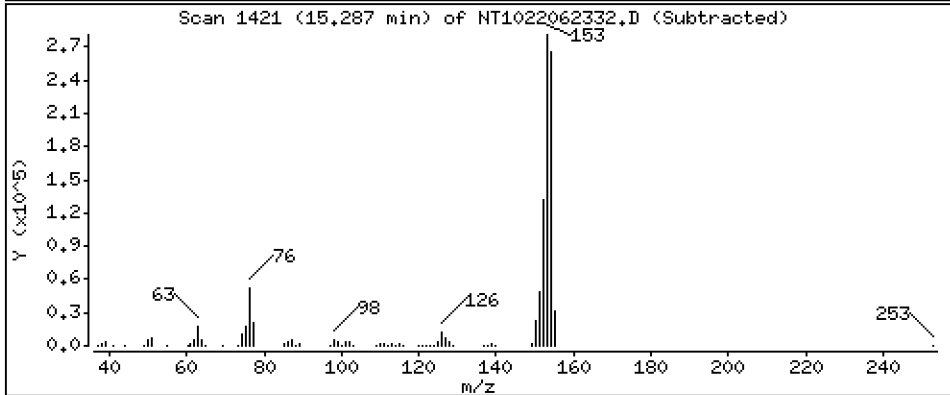
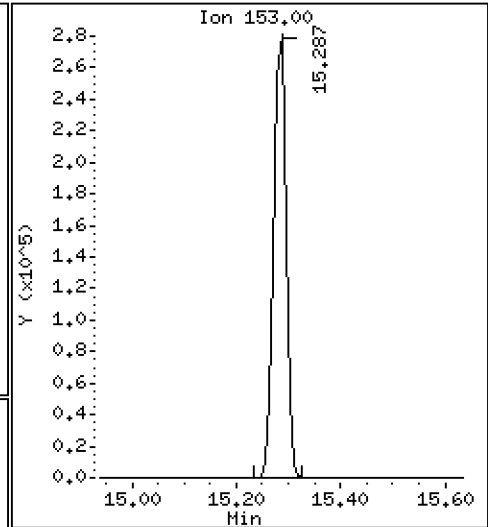
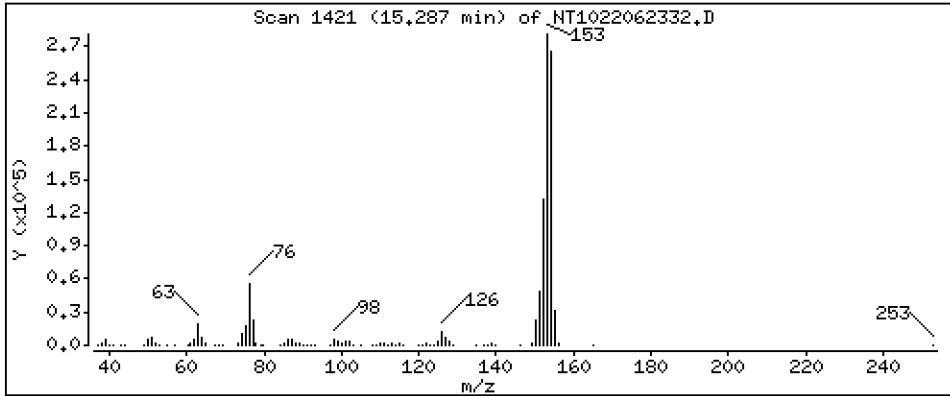
Operator: VTS

Column phase: ZB-5msi

Column diameter: 0,25

44 Acenaphthene

Concentration: 5,268 ug/mL



Date : 24-JUN-2022 04:54

Client ID:

Instrument: nt10.i

Sample Info: SKF0270-CCV1

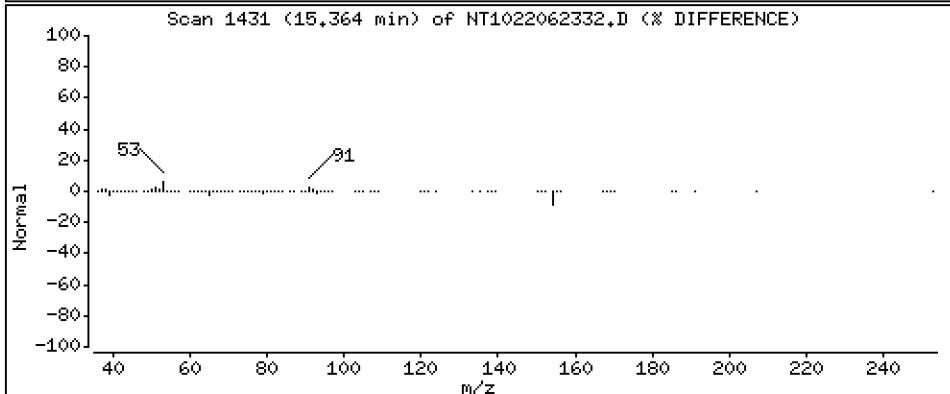
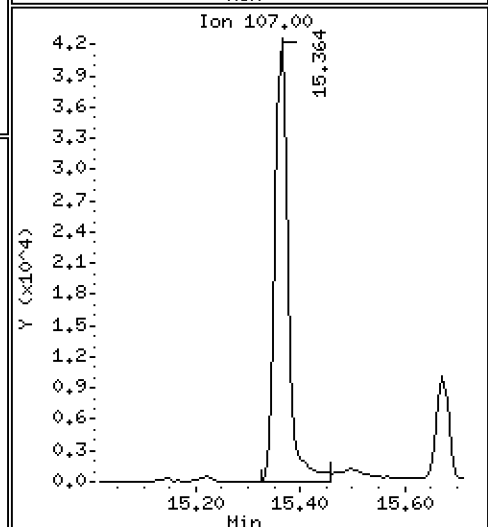
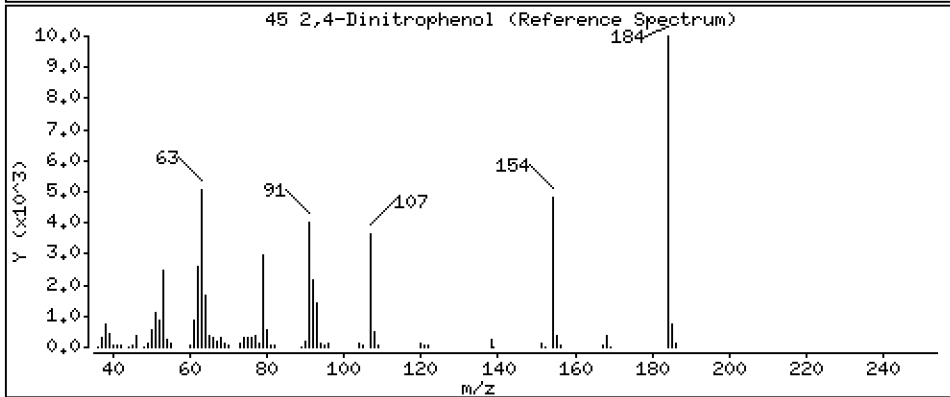
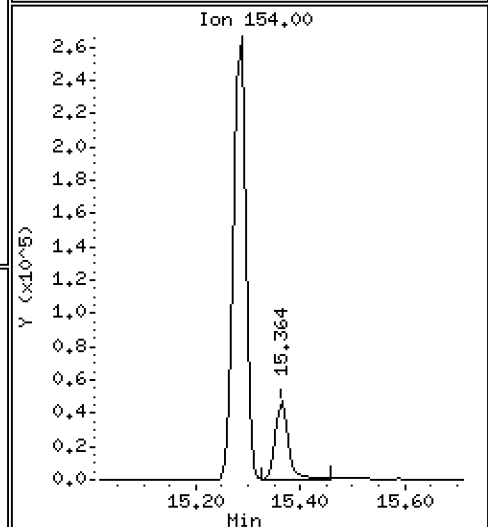
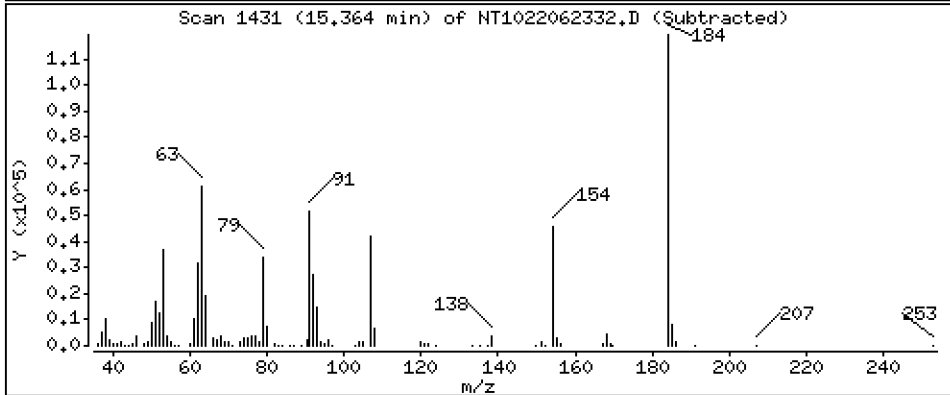
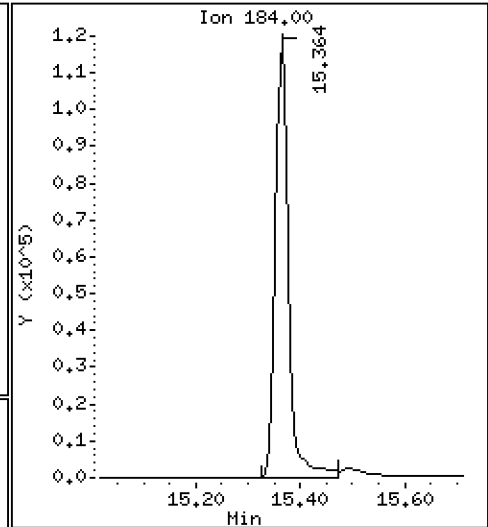
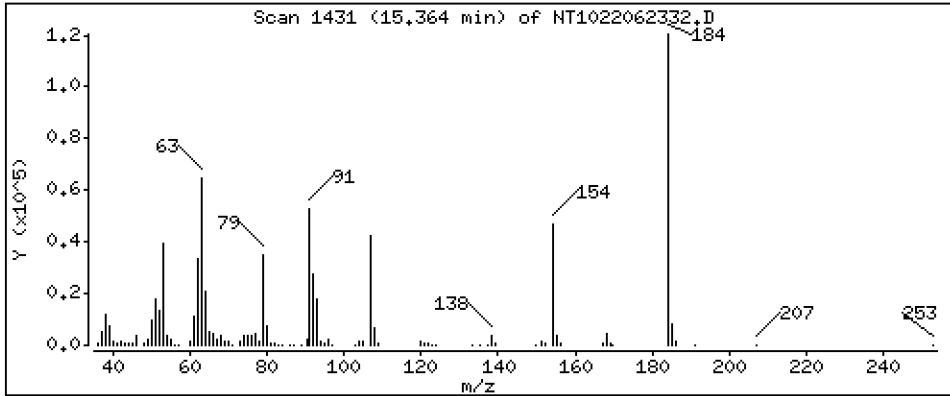
Operator: VTS

Column phase: ZB-5msi

Column diameter: 0,25

45 2,4-Dinitrophenol

Concentration: 18,29 ug/mL



Date : 24-JUN-2022 04:54

Client ID:

Instrument: nt10.i

Sample Info: SKF0270-CCV1

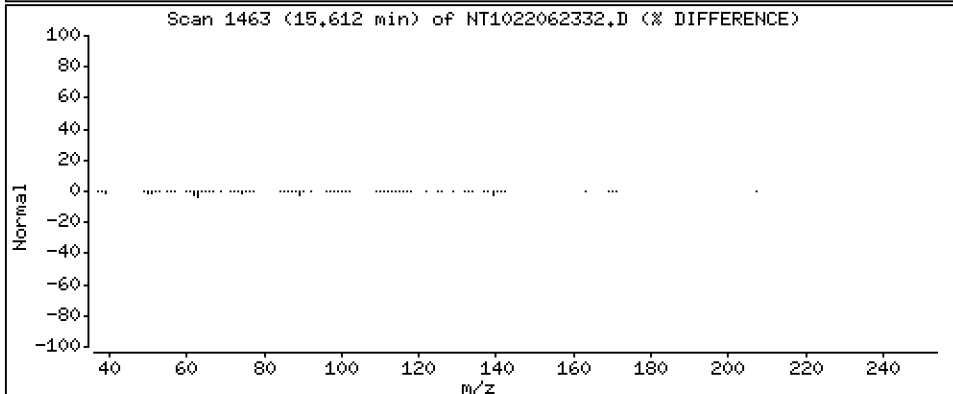
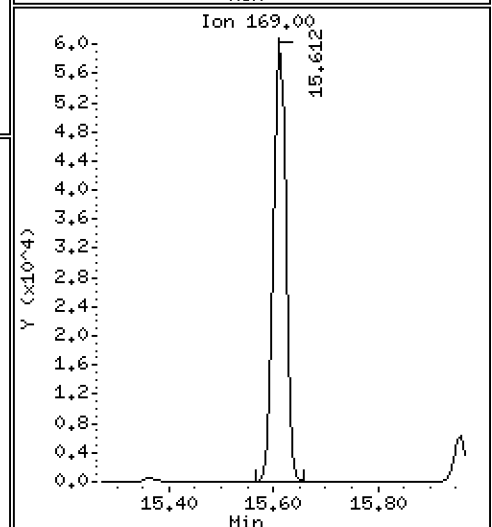
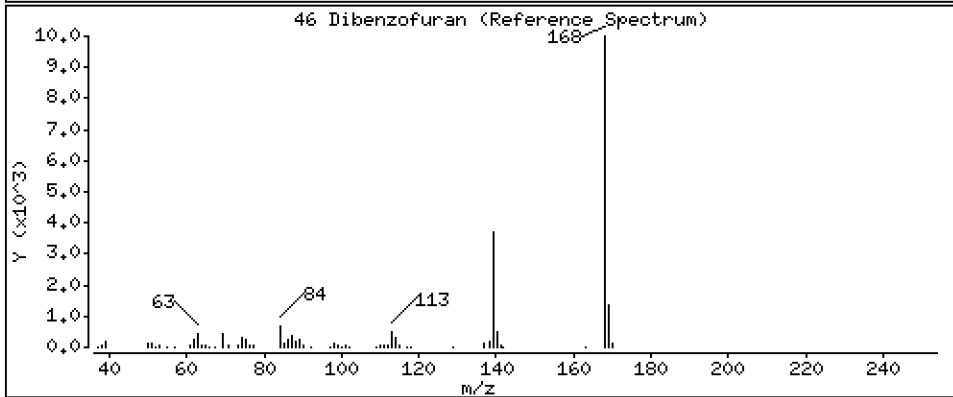
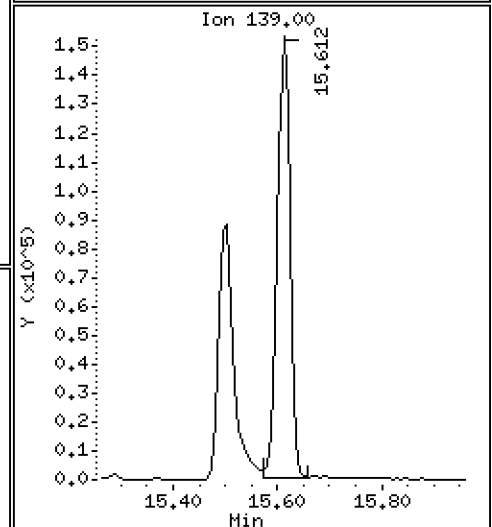
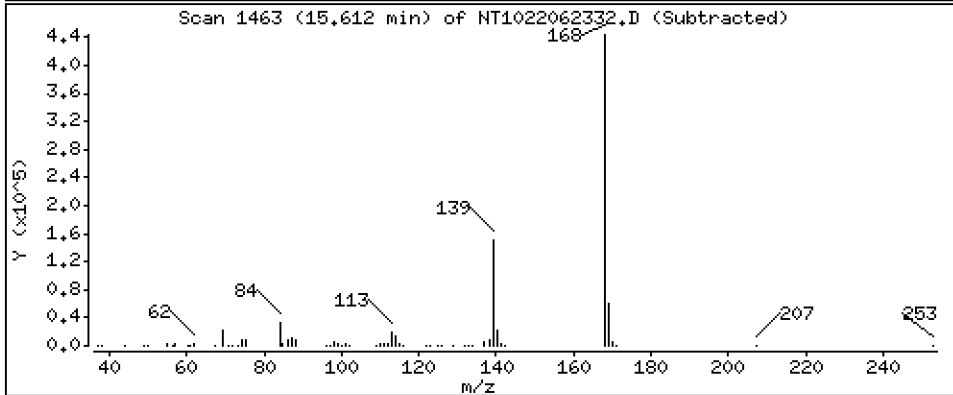
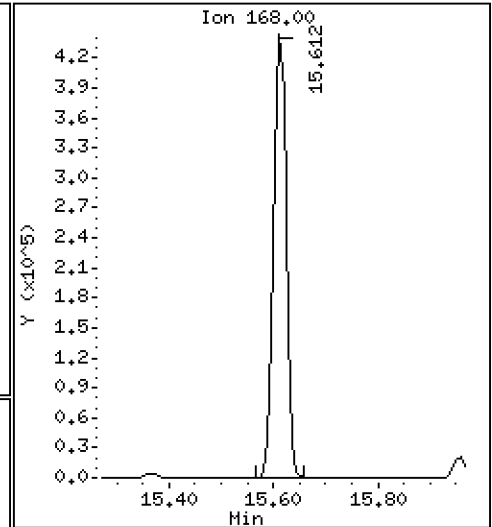
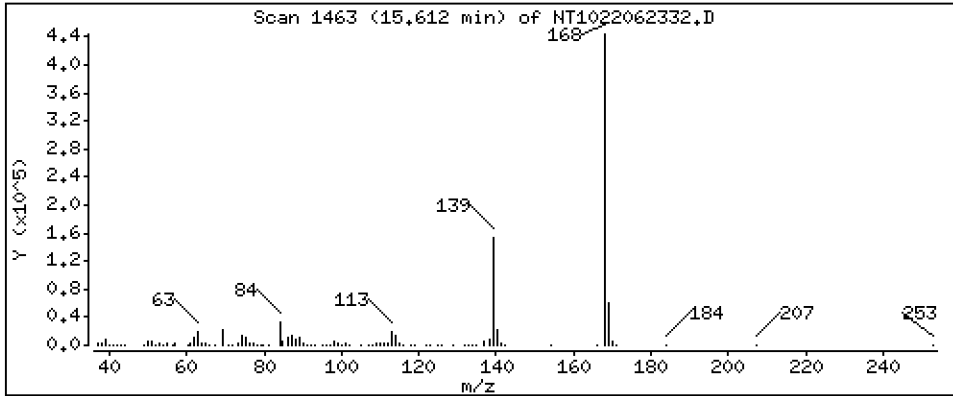
Operator: VTS

Column phase: ZB-5msi

Column diameter: 0,25

46 Dibenzofuran

Concentration: 5,344 ug/mL



Date : 24-JUN-2022 04:54

Client ID:

Instrument: nt10.i

Sample Info: SKF0270-CCV1

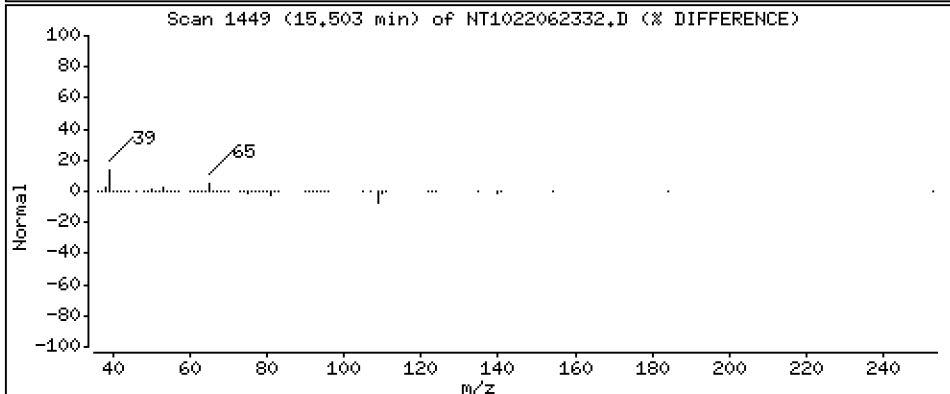
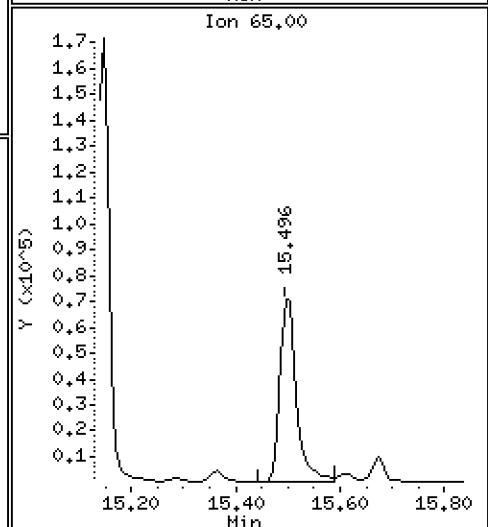
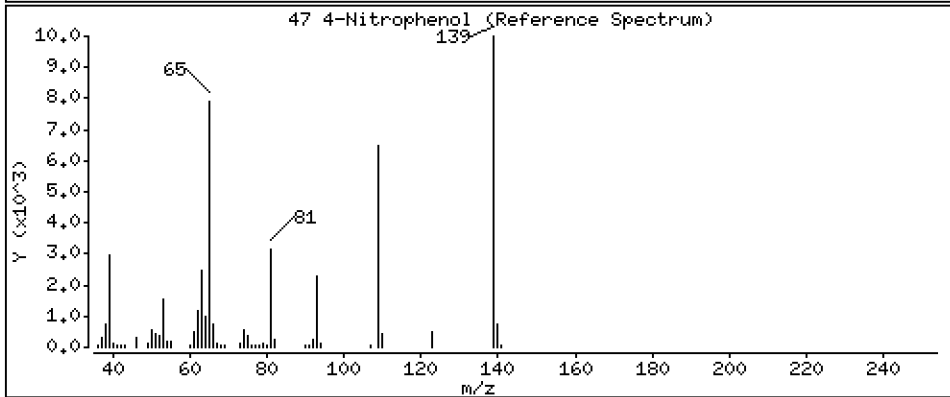
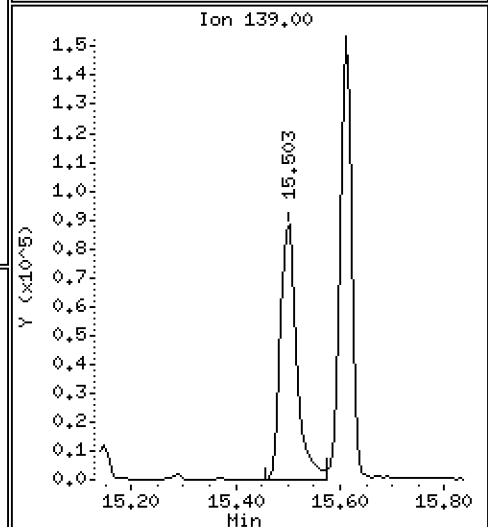
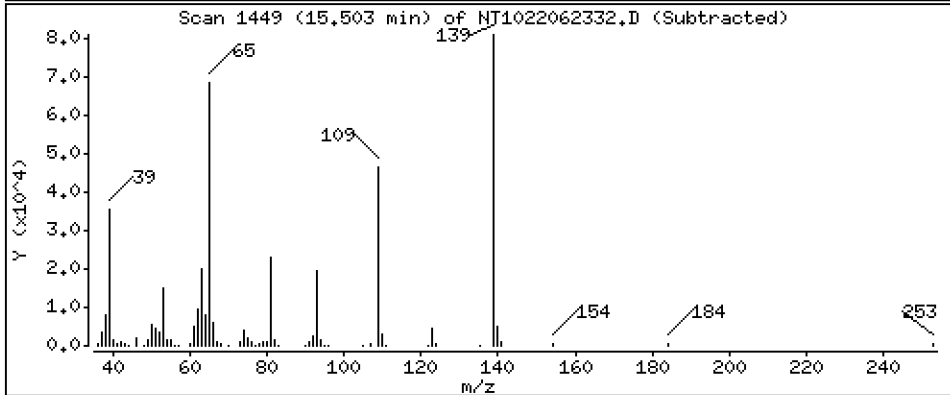
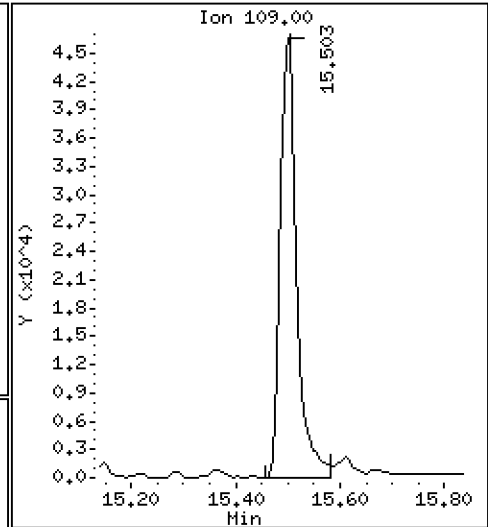
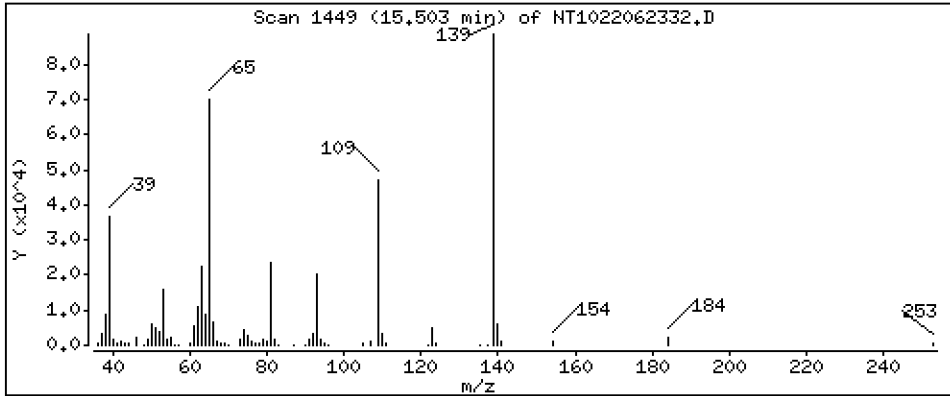
Operator: VTS

Column phase: ZB-5msi

Column diameter: 0,25

47 4-Nitrophenol

Concentration: 10,76 ug/mL



Date : 24-JUN-2022 04:54

Client ID:

Instrument: nt10.i

Sample Info: SKF0270-CCV1

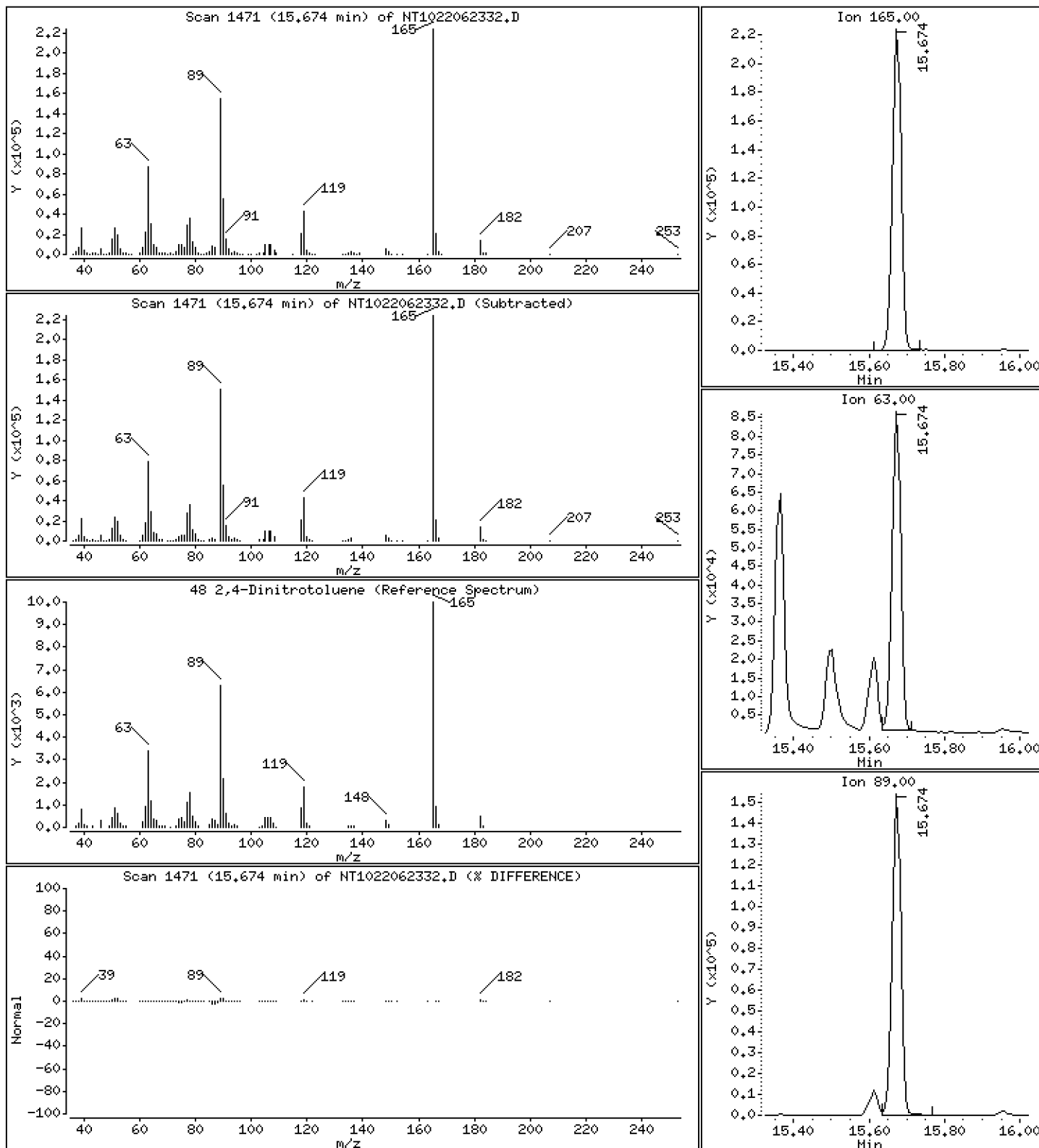
Operator: VTS

Column phase: ZB-5msi

Column diameter: 0,25

48 2,4-Dinitrotoluene

Concentration: 10,89 ug/mL



Date : 24-JUN-2022 04:54

Client ID:

Instrument: nt10.i

Sample Info: SKF0270-CCV1

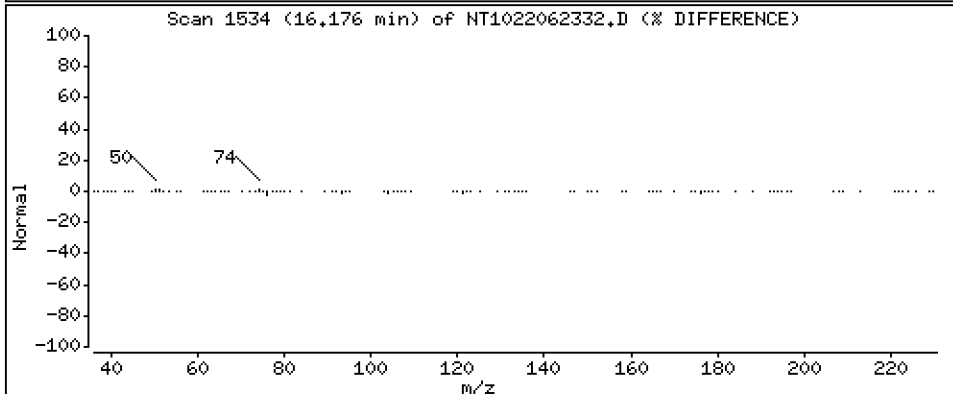
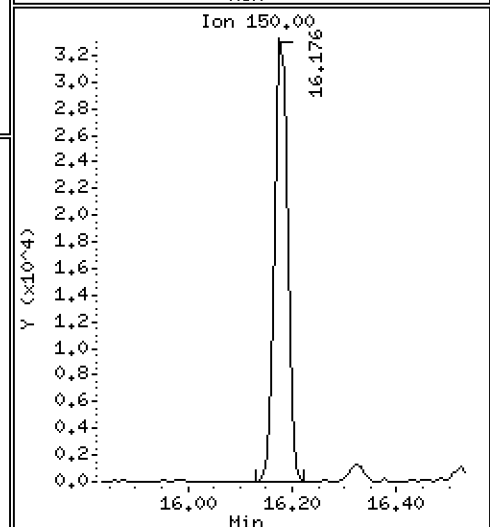
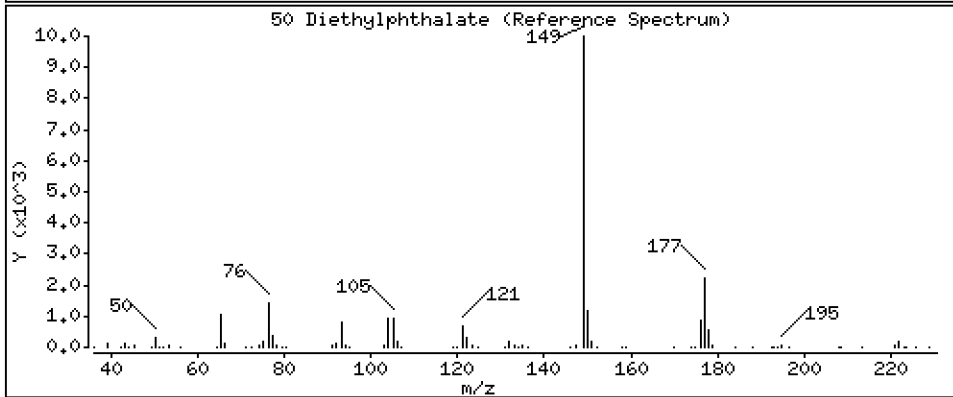
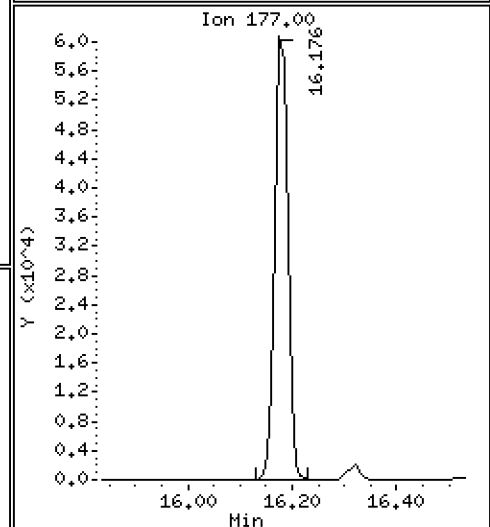
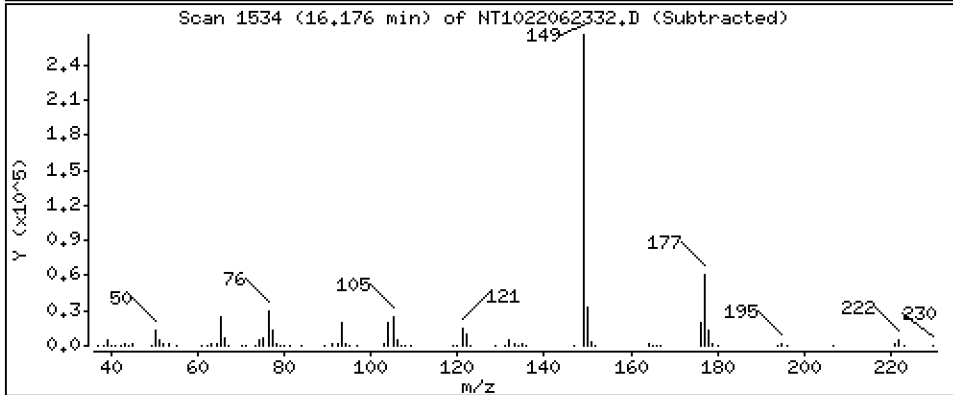
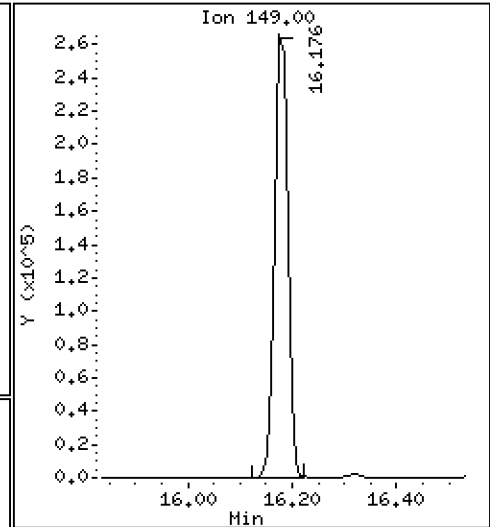
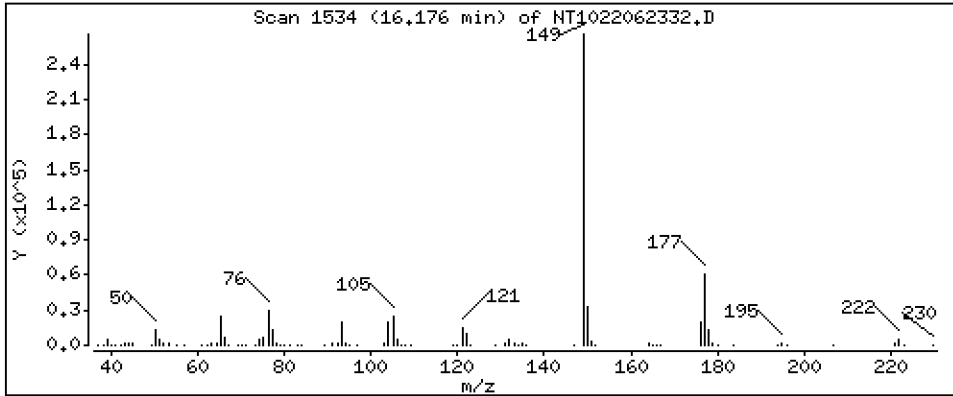
Operator: VTS

Column phase: ZB-5msi

Column diameter: 0,25

50 Diethylphthalate

Concentration: 5,164 ug/mL



Date : 24-JUN-2022 04:54

Client ID:

Instrument: nt10.i

Sample Info: SKF0270-CCV1

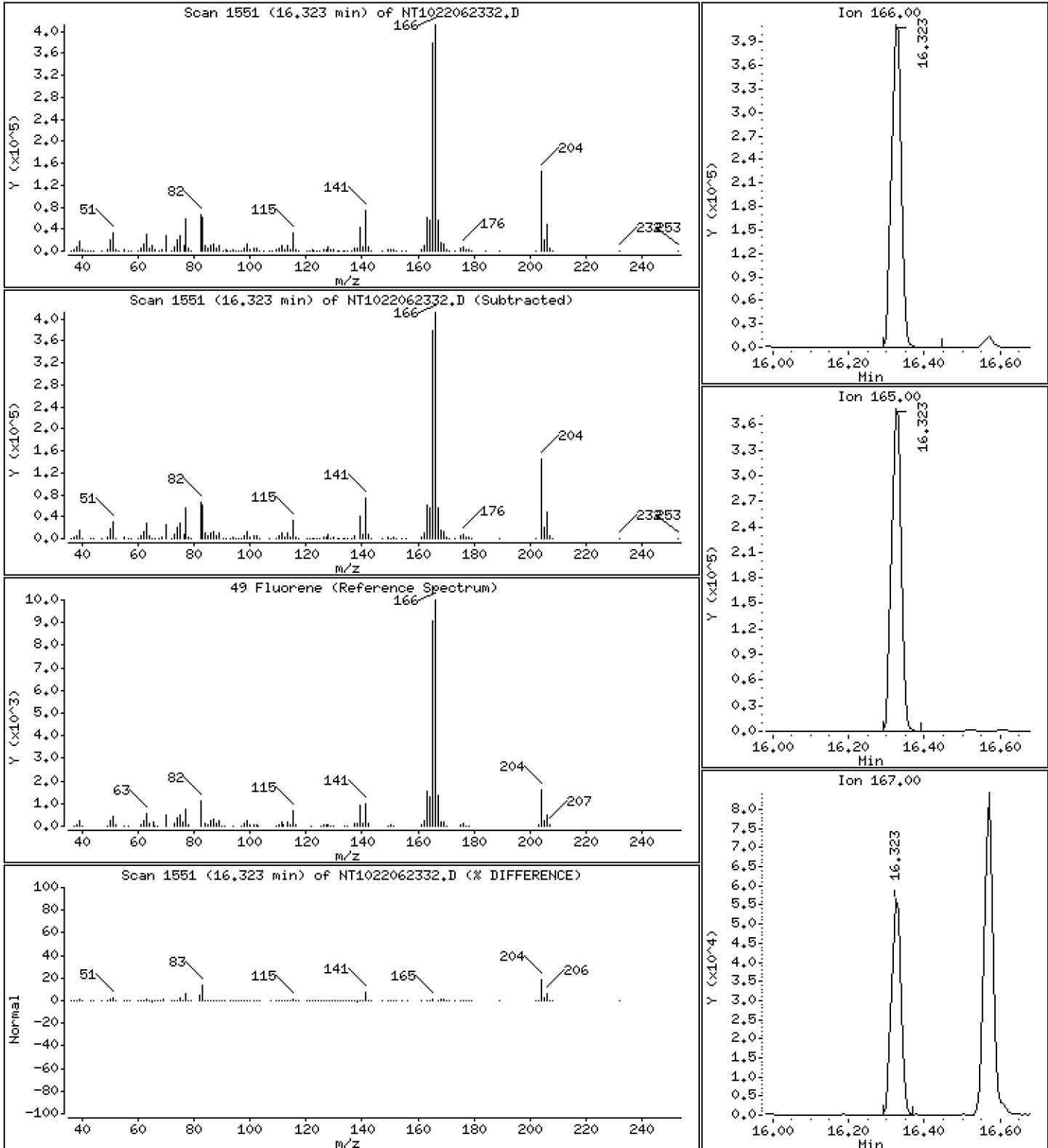
Operator: VTS

Column phase: ZB-5msi

Column diameter: 0,25

49 Fluorene

Concentration: 3,732 ug/mL



Date : 24-JUN-2022 04:54

Client ID:

Instrument: nt10.i

Sample Info: SKF0270-CCV1

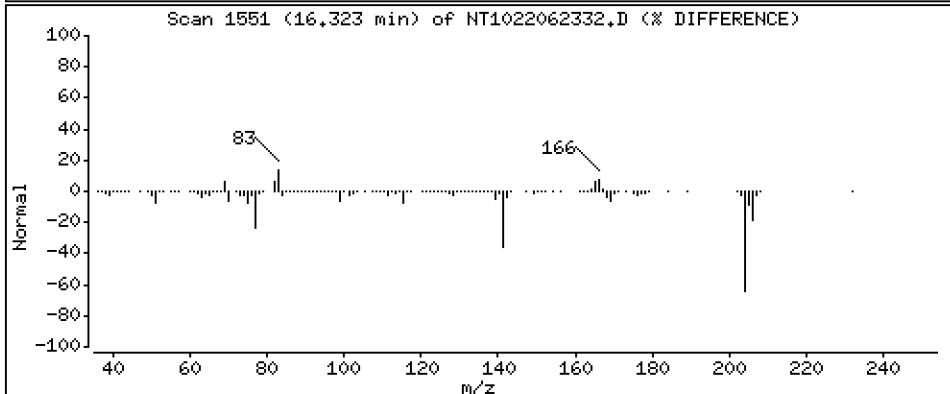
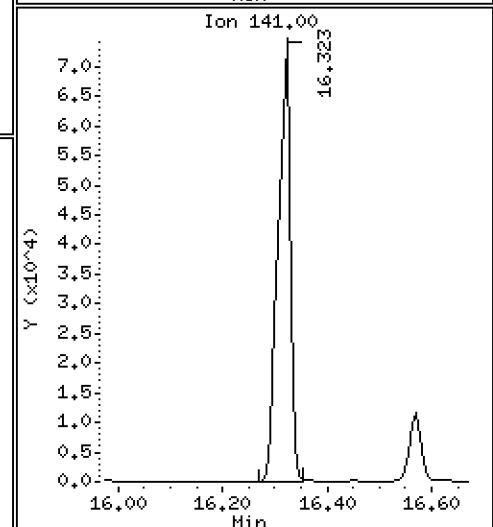
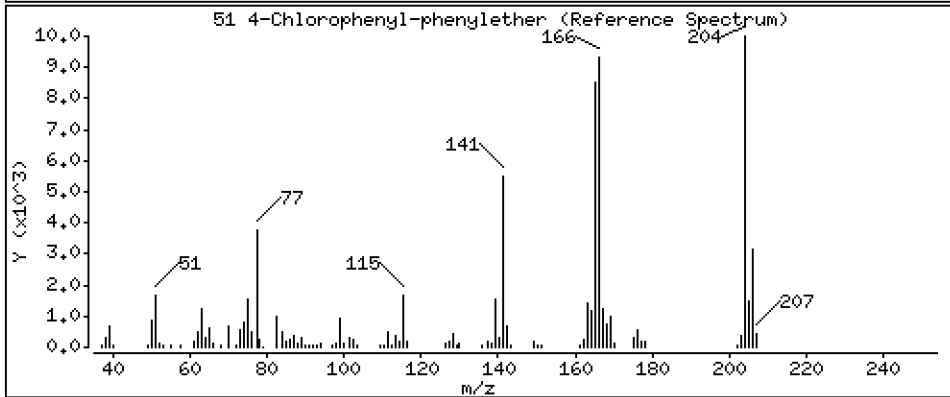
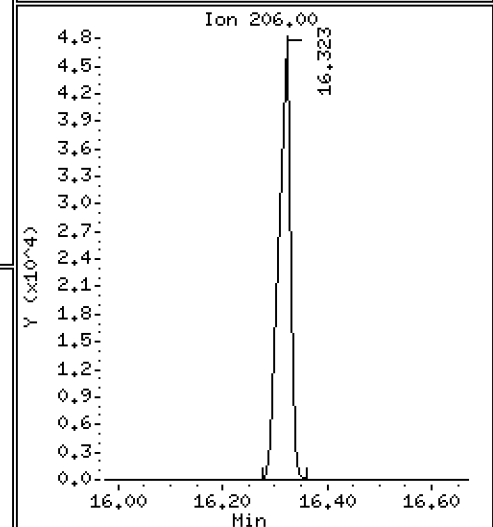
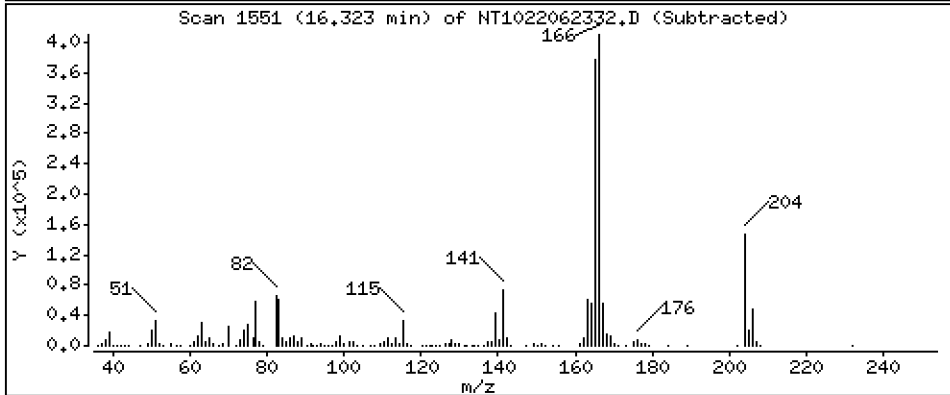
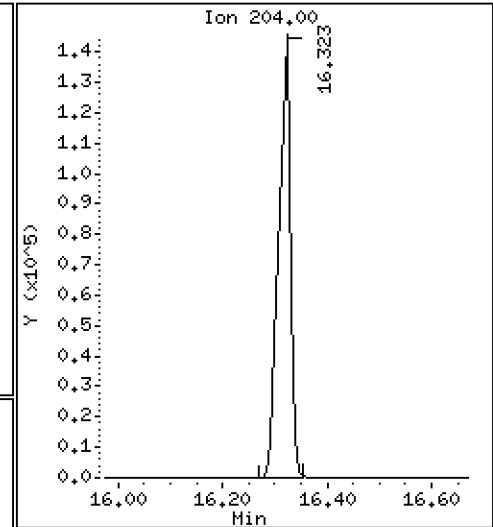
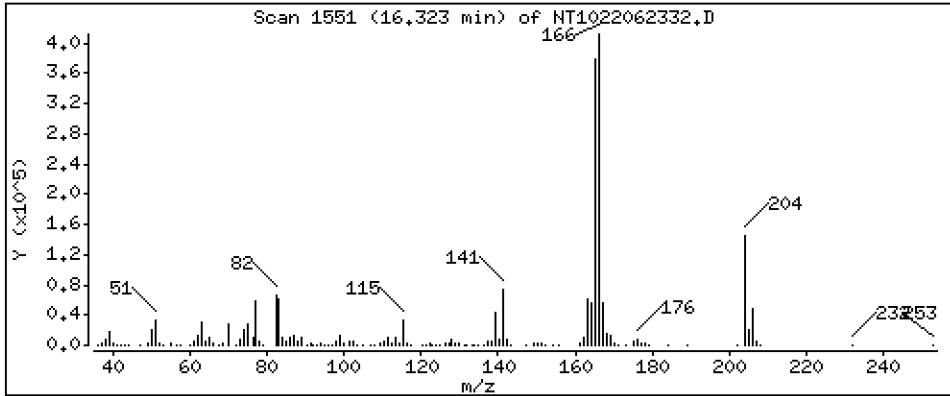
Operator: VTS

Column phase: ZB-5msi

Column diameter: 0,25

51 4-Chlorophenyl-phenylether

Concentration: 2,273 ug/mL



Date : 24-JUN-2022 04:54

Client ID:

Instrument: nt10.i

Sample Info: SKF0270-CCV1

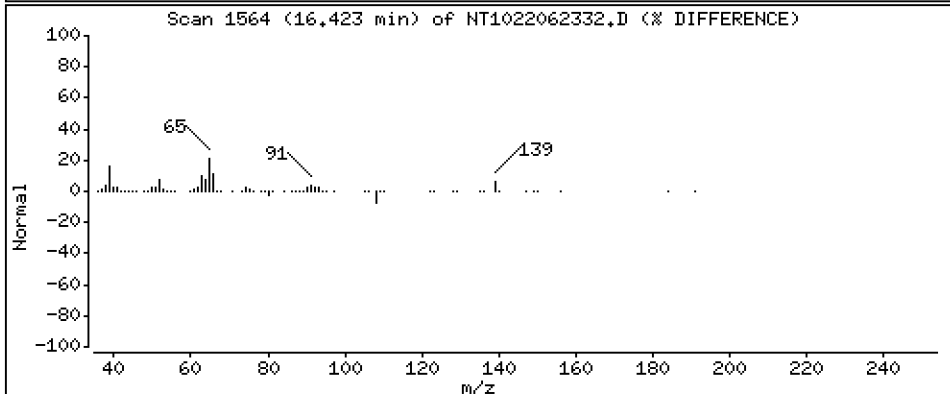
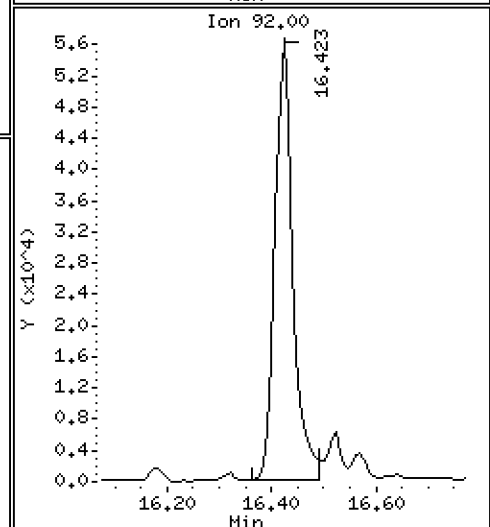
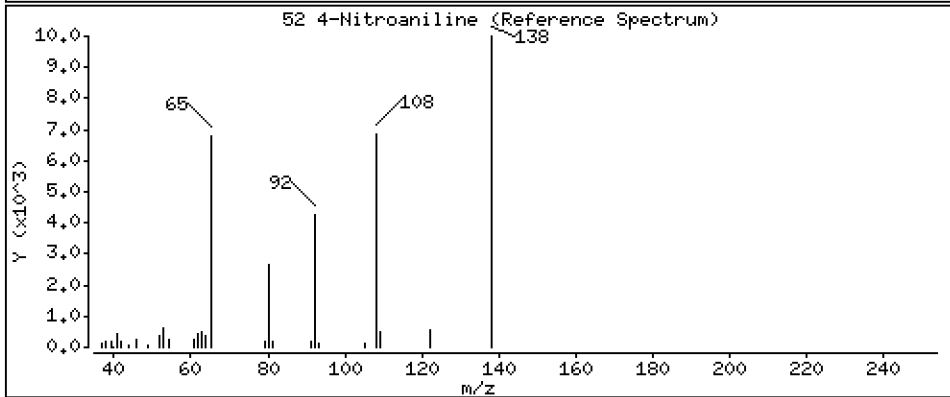
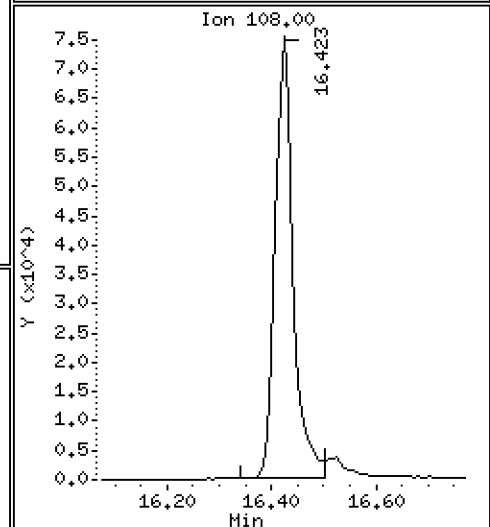
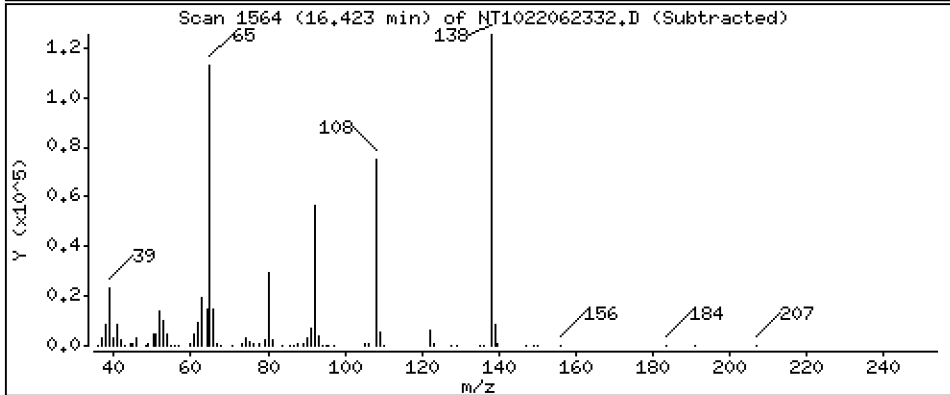
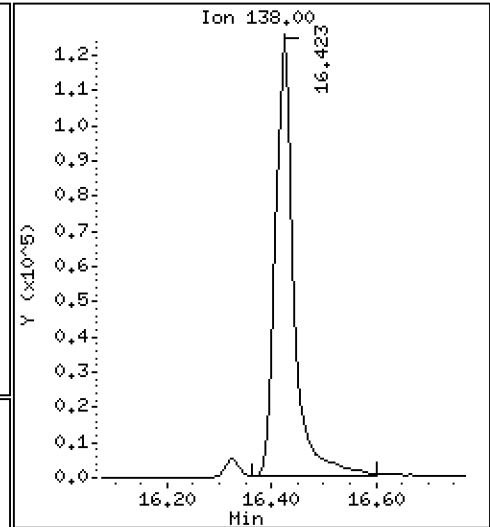
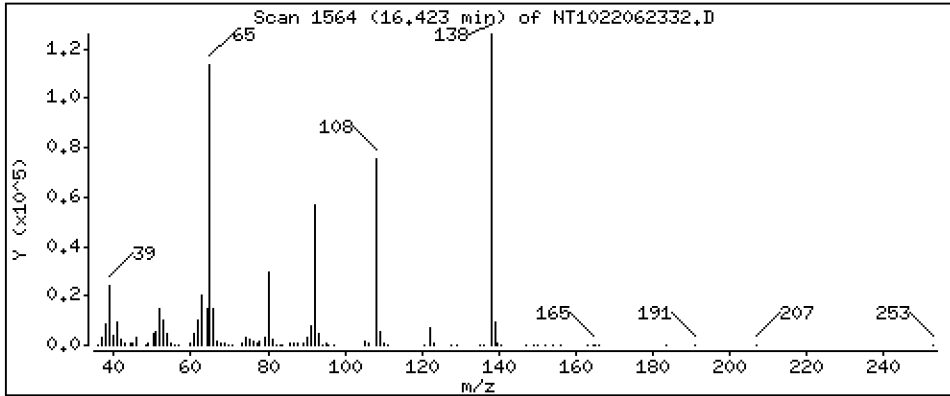
Operator: VTS

Column phase: ZB-5msi

Column diameter: 0,25

52 4-Nitroaniline

Concentration: 10,94 ug/mL



Date : 24-JUN-2022 04:54

Client ID:

Instrument: nt10.i

Sample Info: SKF0270-CCV1

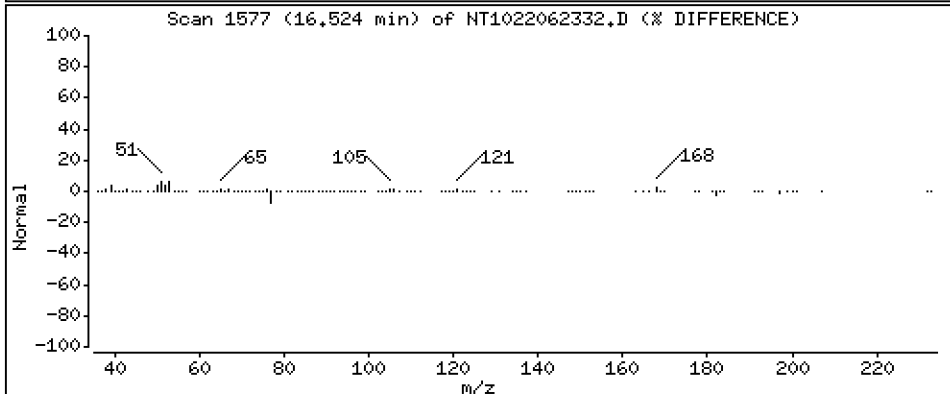
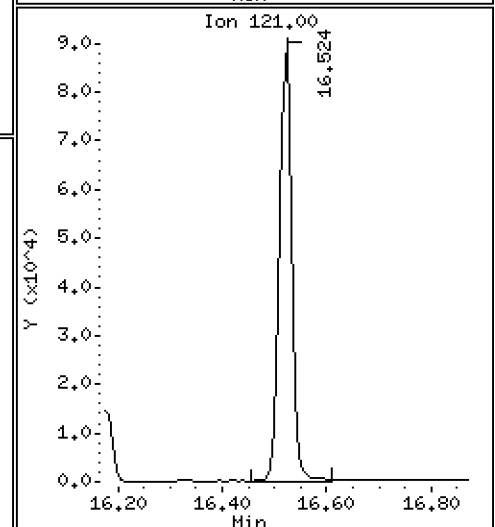
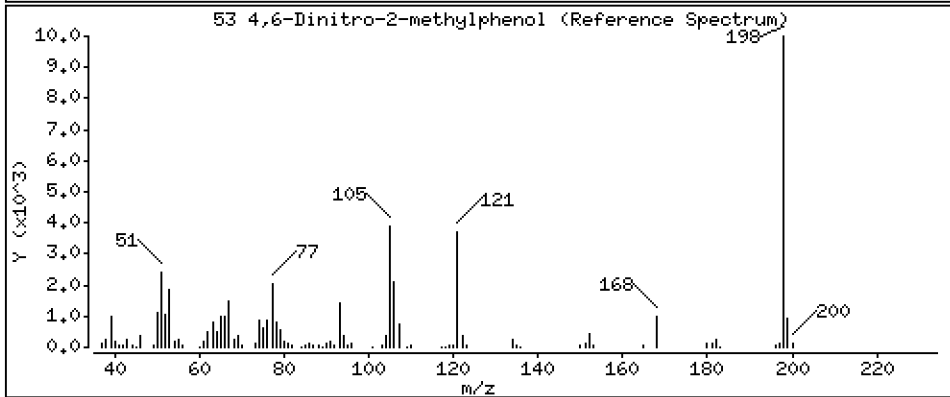
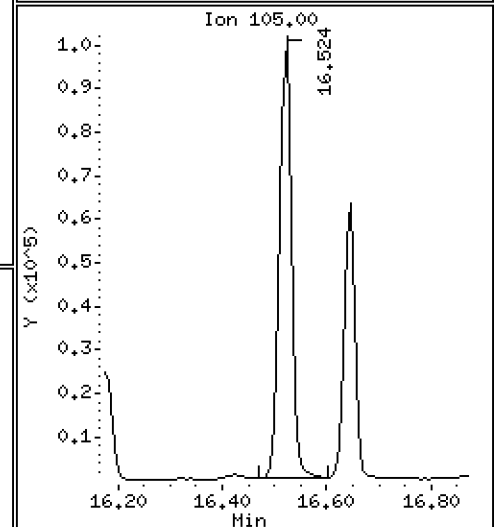
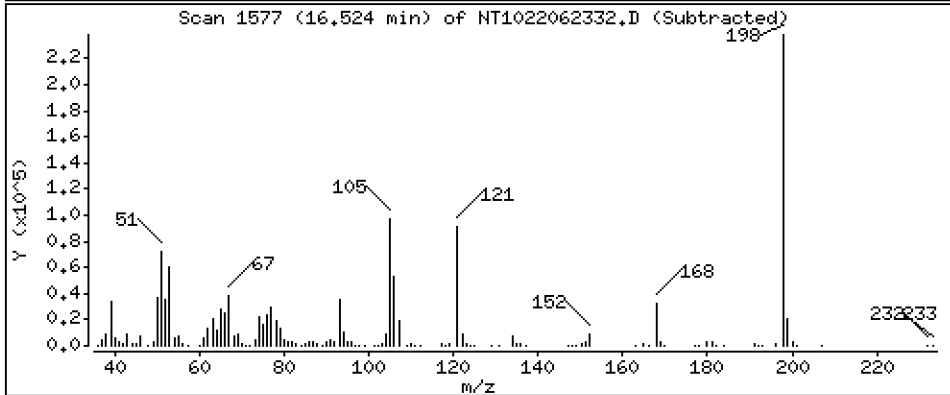
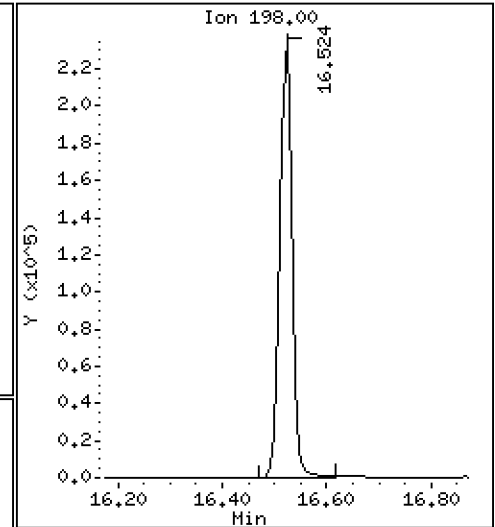
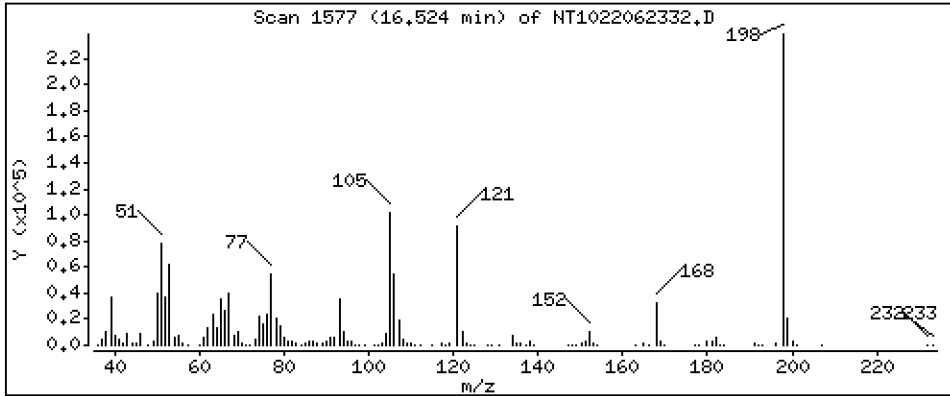
Operator: VTS

Column phase: ZB-5msi

Column diameter: 0,25

53 4,6-Dinitro-2-methylphenol

Concentration: 22,53 ug/mL



Date : 24-JUN-2022 04:54

Client ID:

Instrument: nt10.i

Sample Info: SKF0270-CCV1

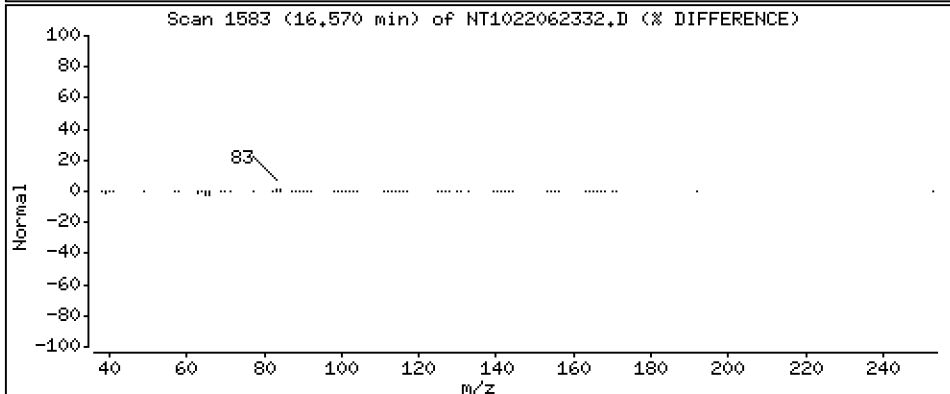
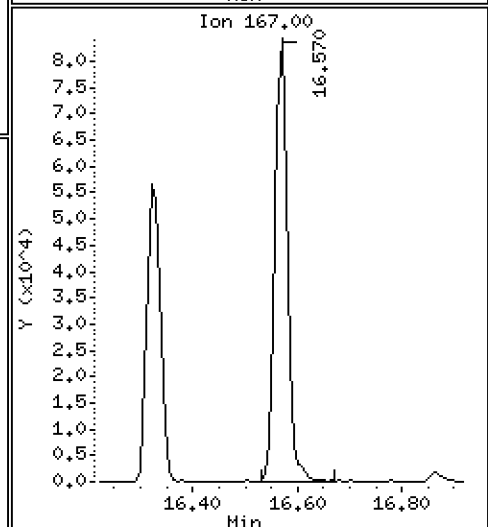
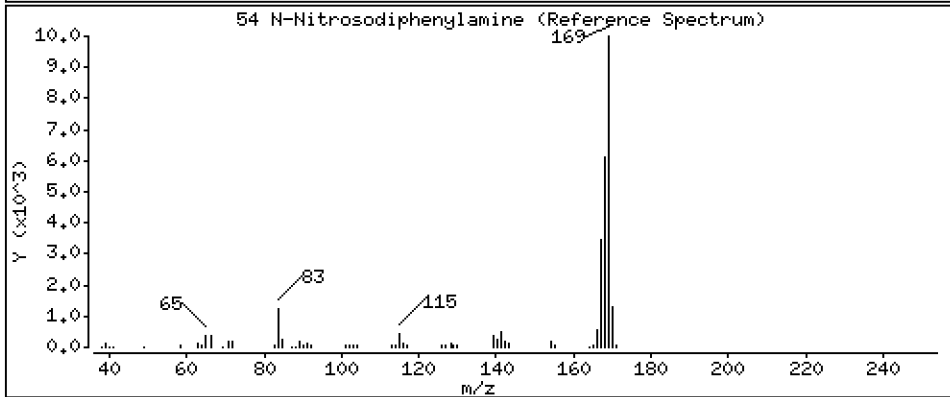
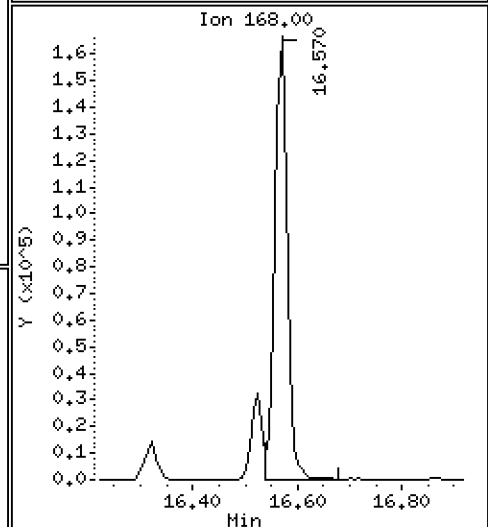
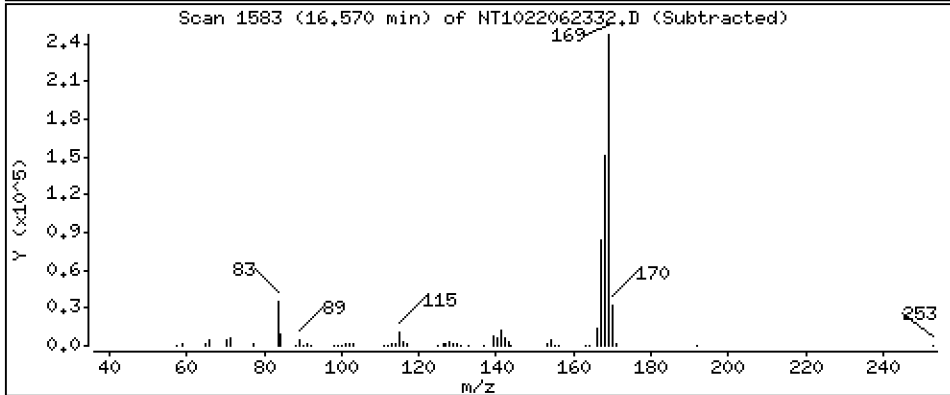
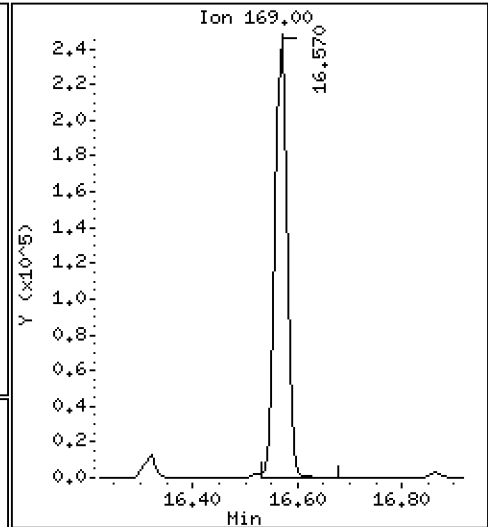
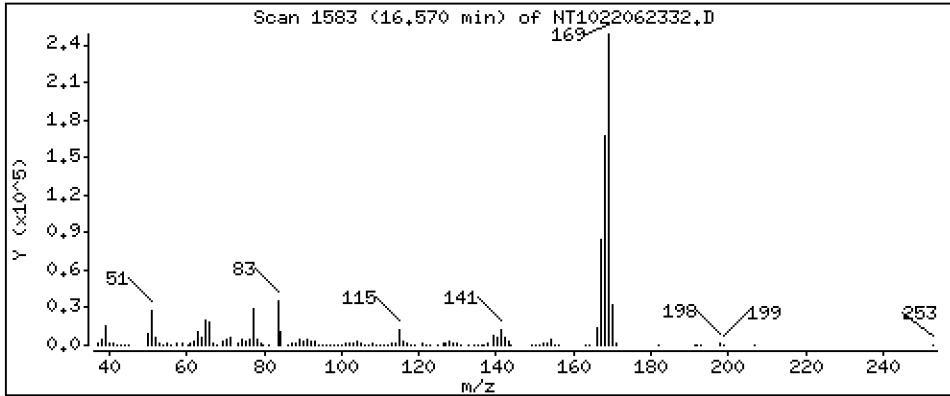
Operator: VTS

Column phase: ZB-5msi

Column diameter: 0,25

54 N-Nitrosodiphenylamine

Concentration: 5,803 ug/mL



Date : 24-JUN-2022 04:54

Client ID:

Instrument: nt10.i

Sample Info: SKF0270-CCV1

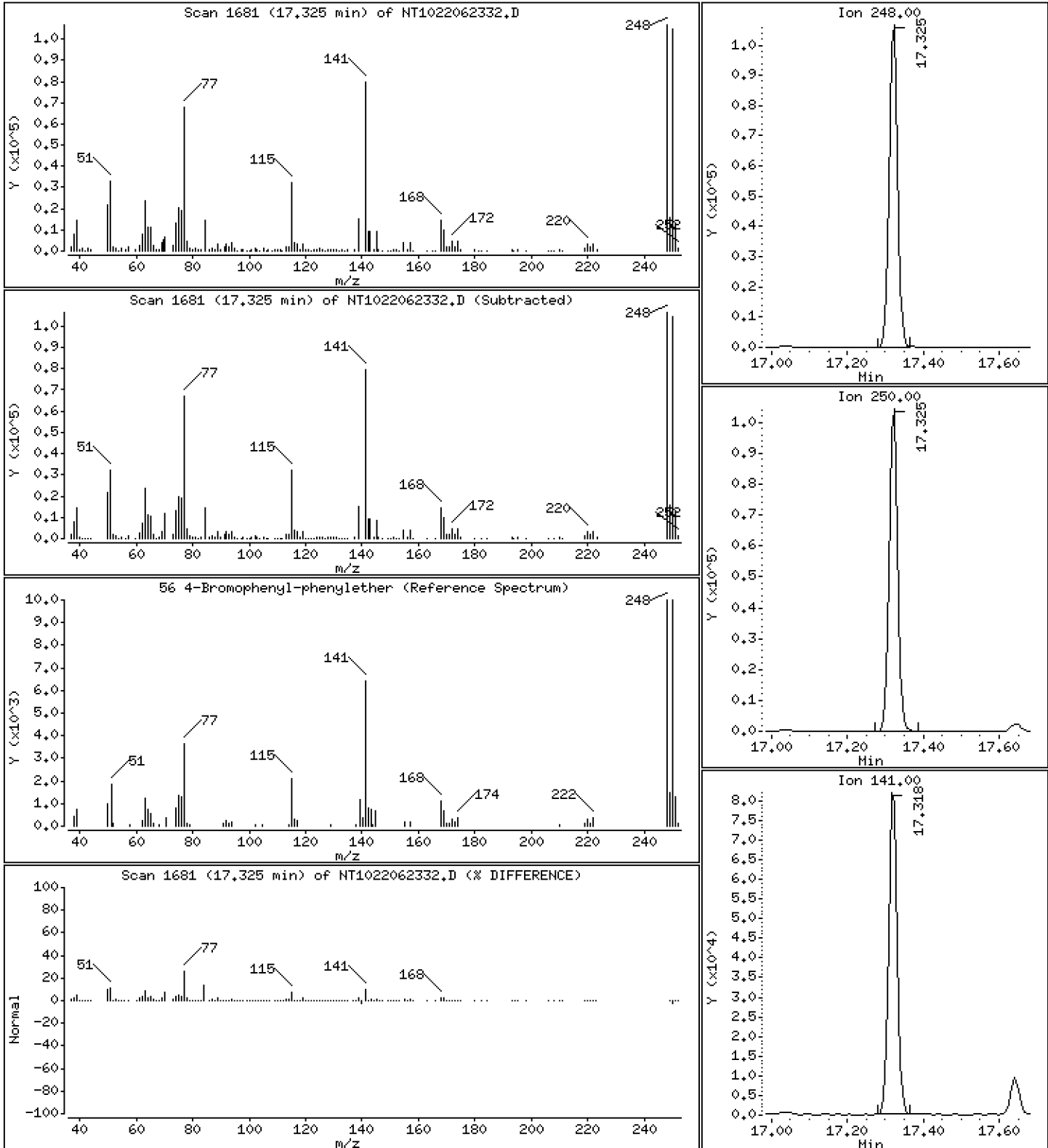
Operator: VTS

Column phase: ZB-5msi

Column diameter: 0,25

56 4-Bromophenyl-phenylether

Concentration: 5,670 ug/mL



Date : 24-JUN-2022 04:54

Client ID:

Instrument: nt10.i

Sample Info: SKF0270-CCV1

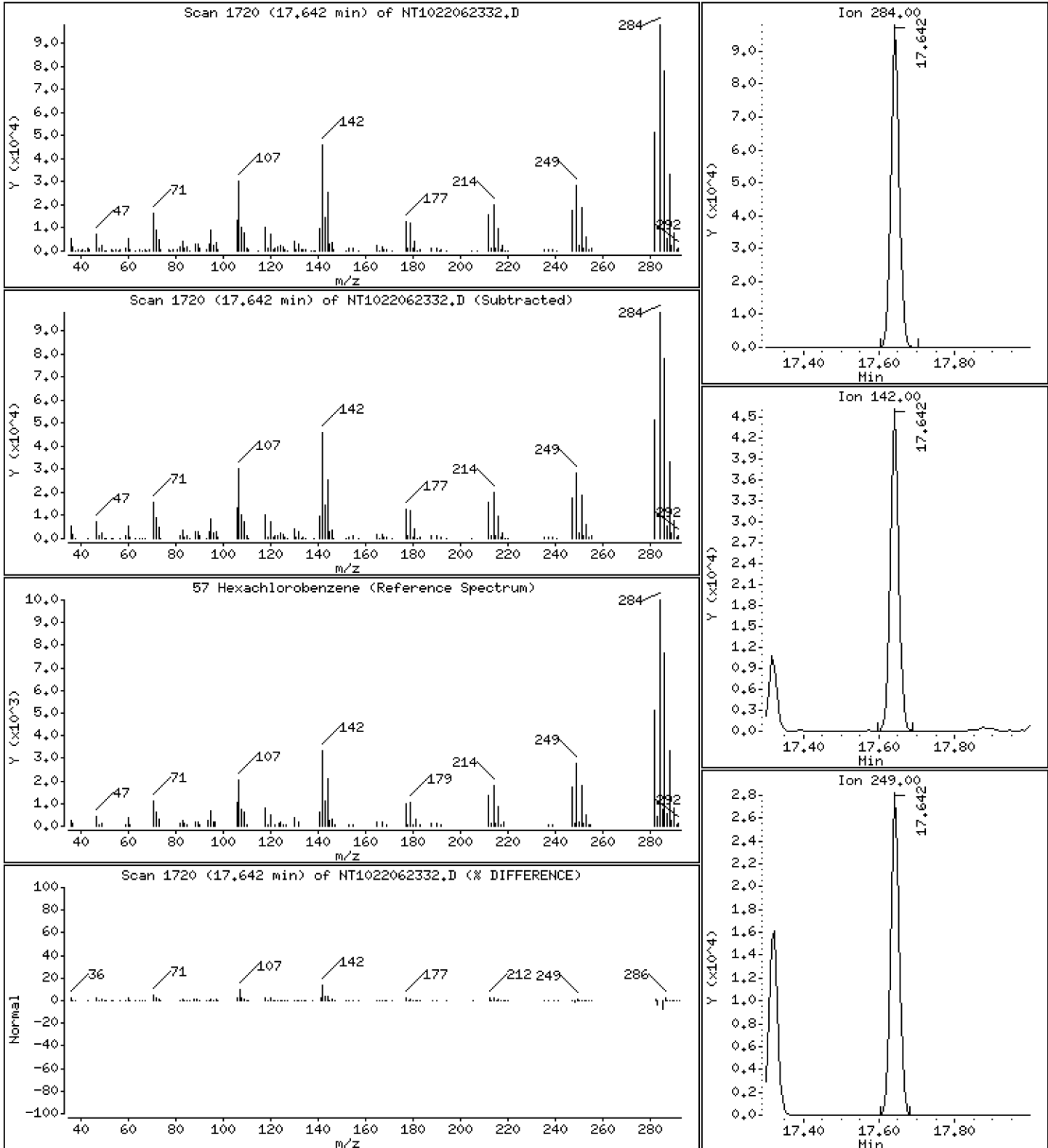
Operator: VTS

Column phase: ZB-5msi

Column diameter: 0,25

57 Hexachlorobenzene

Concentration: 5,479 ug/mL



Date : 24-JUN-2022 04:54

Client ID:

Instrument: nt10.i

Sample Info: SKF0270-CCV1

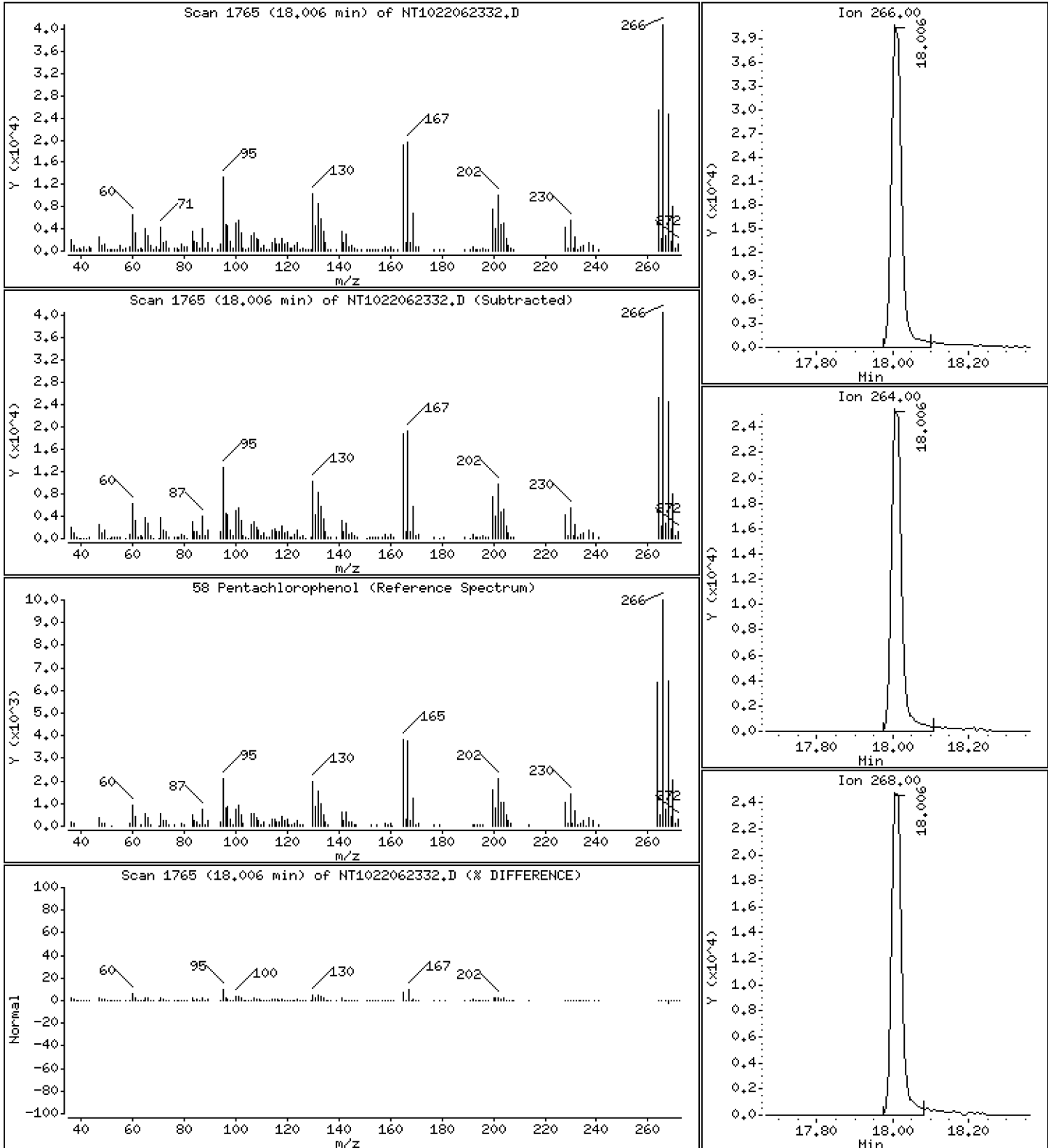
Operator: VTS

Column phase: ZB-5msi

Column diameter: 0,25

58 Pentachlorophenol

Concentration: 11,11 ug/mL



Date : 24-JUN-2022 04:54

Client ID:

Instrument: nt10.i

Sample Info: SKF0270-CCV1

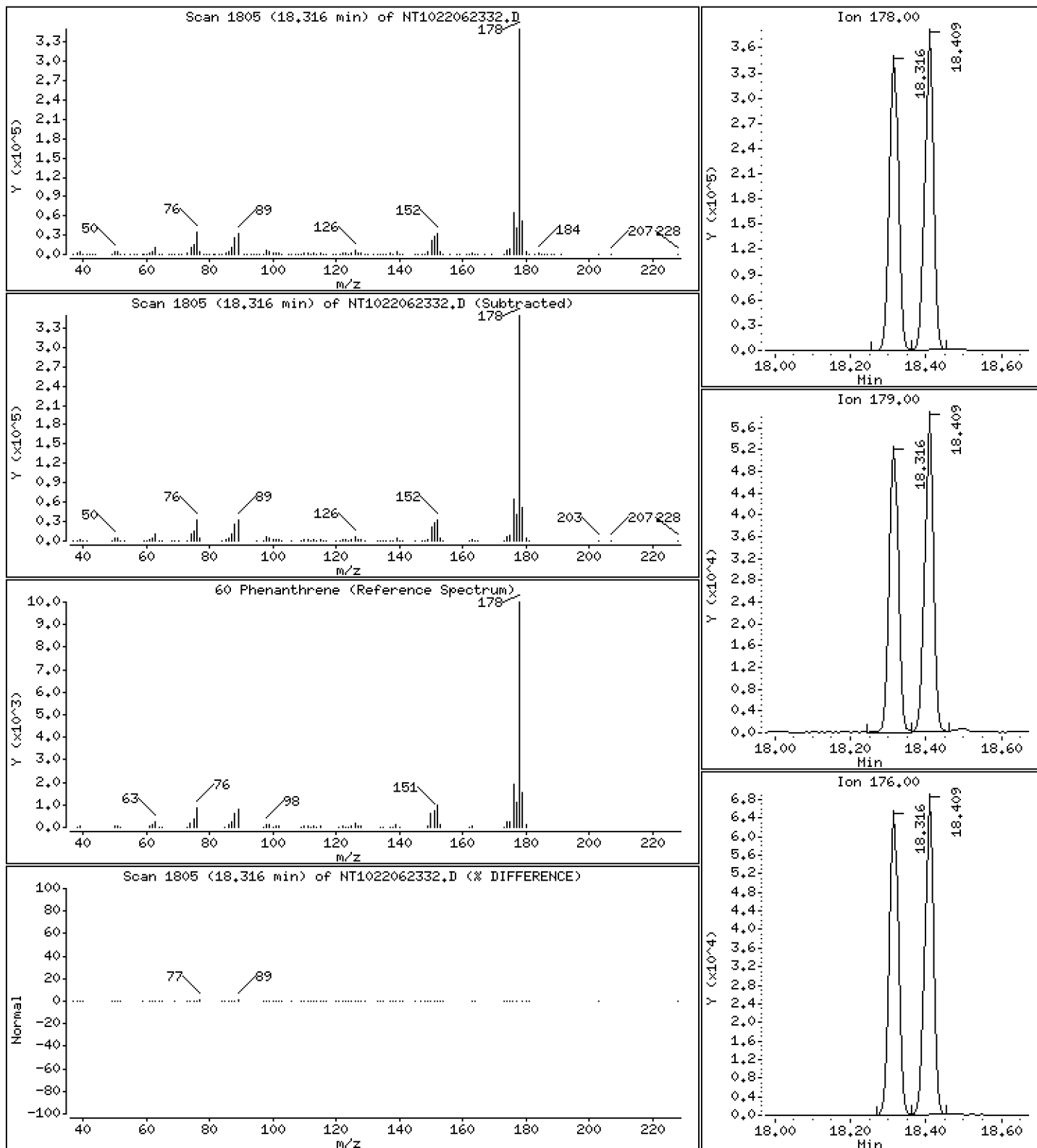
Operator: VTS

Column phase: ZB-5msi

Column diameter: 0,25

60 Phenanthrene

Concentration: 5,150 ug/mL



Date : 24-JUN-2022 04:54

Client ID:

Instrument: nt10.i

Sample Info: SKF0270-CCV1

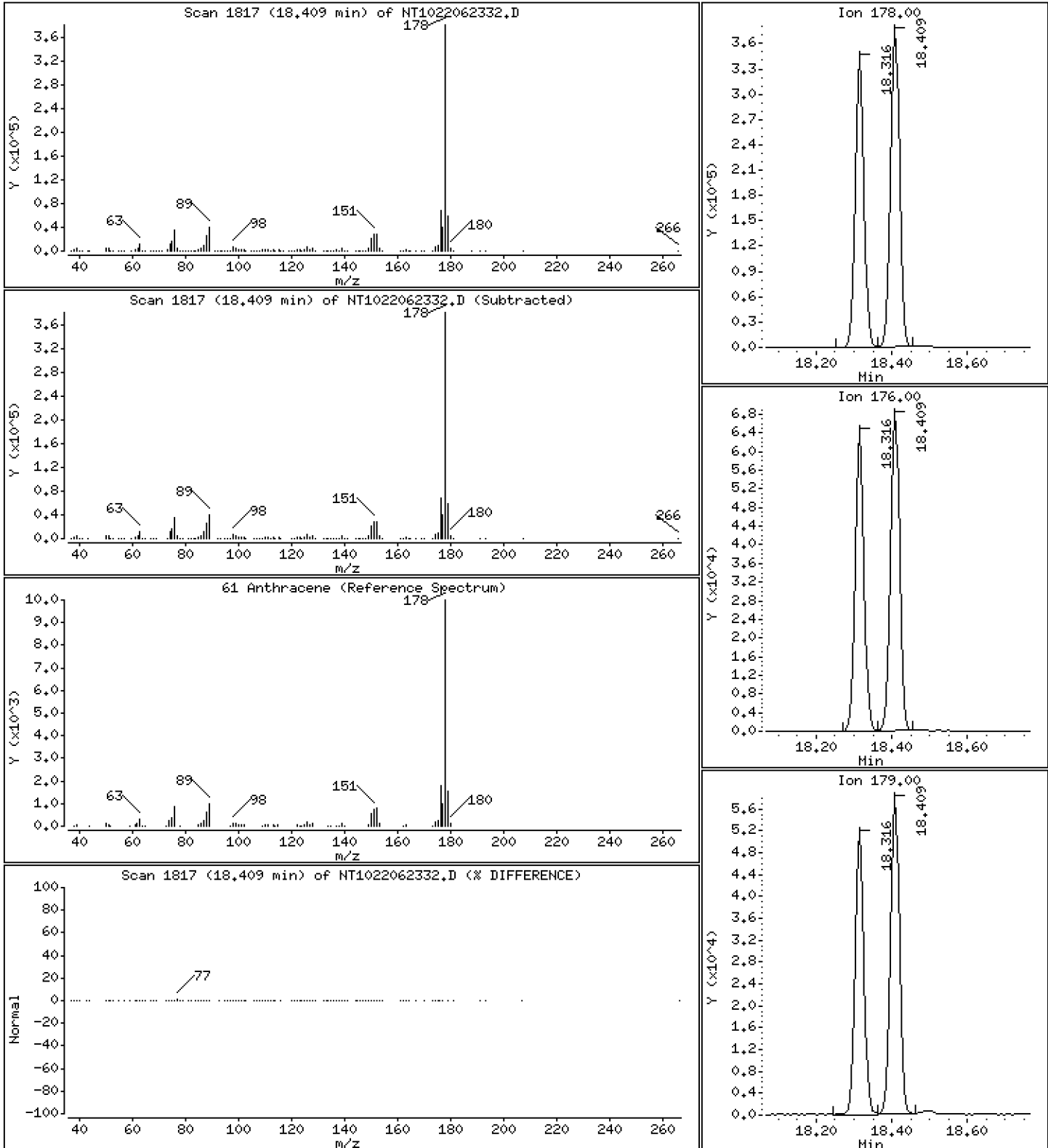
Operator: VTS

Column phase: ZB-5msi

Column diameter: 0,25

61 Anthracene

Concentration: 5,098 ug/mL



Date : 24-JUN-2022 04:54

Client ID:

Instrument: nt10.i

Sample Info: SKF0270-CCV1

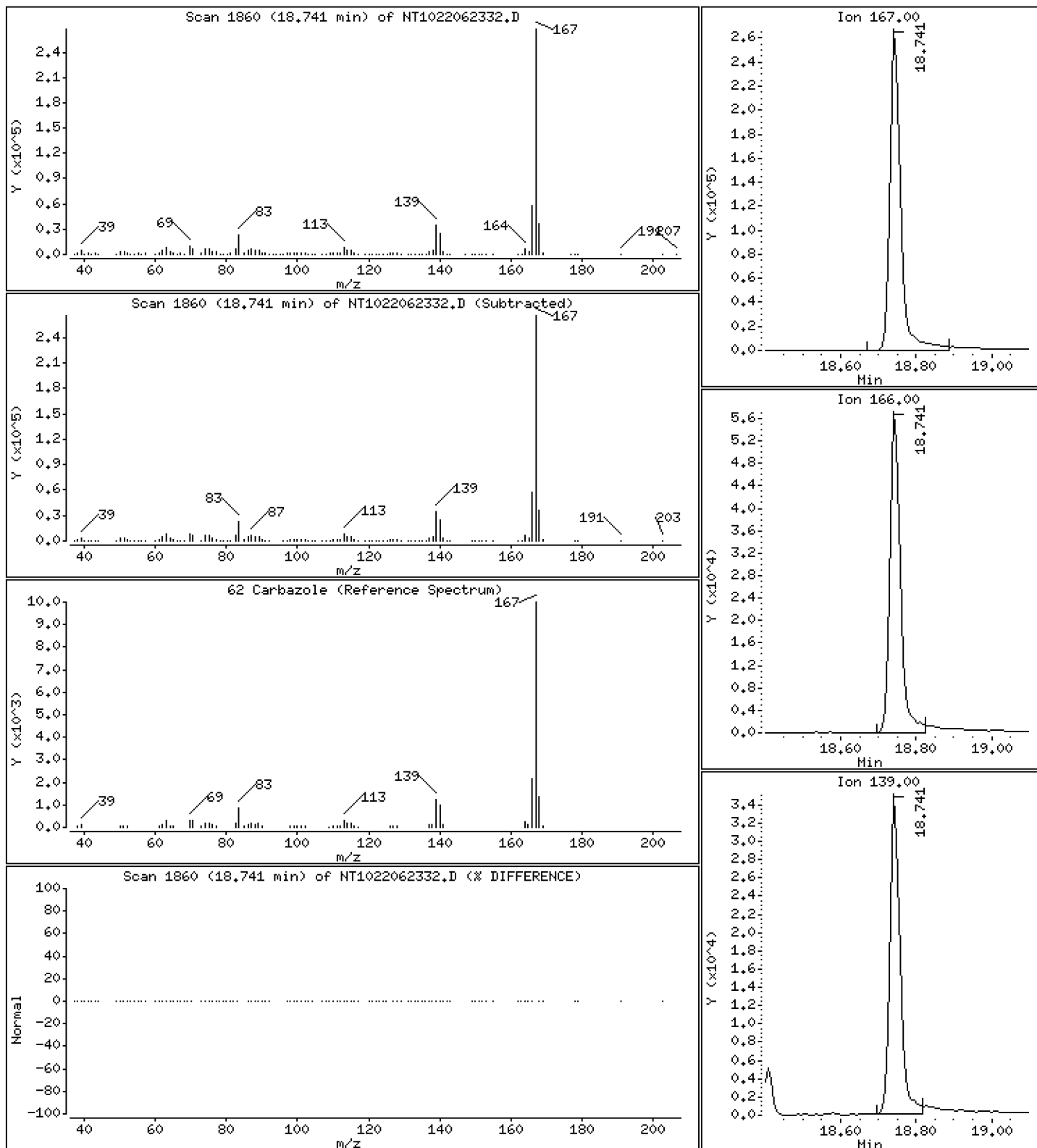
Operator: VTS

Column phase: ZB-5msi

Column diameter: 0,25

62 Carbazole

Concentration: 4,816 ug/mL



Date : 24-JUN-2022 04:54

Client ID:

Instrument: nt10.i

Sample Info: SKF0270-CCV1

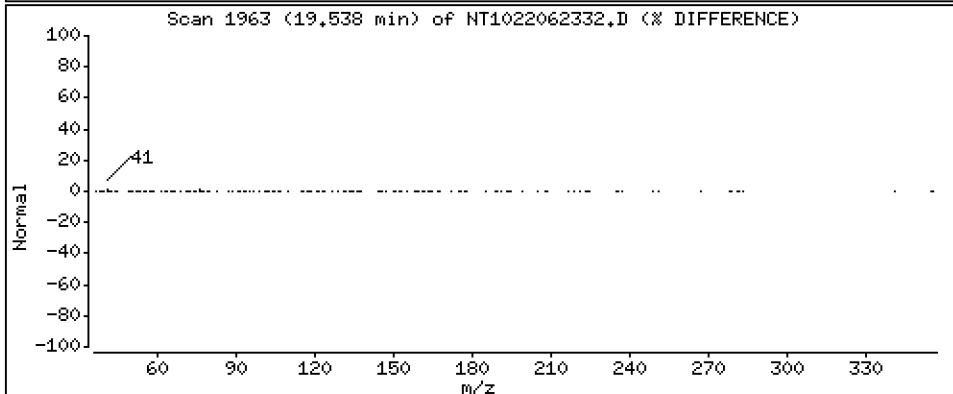
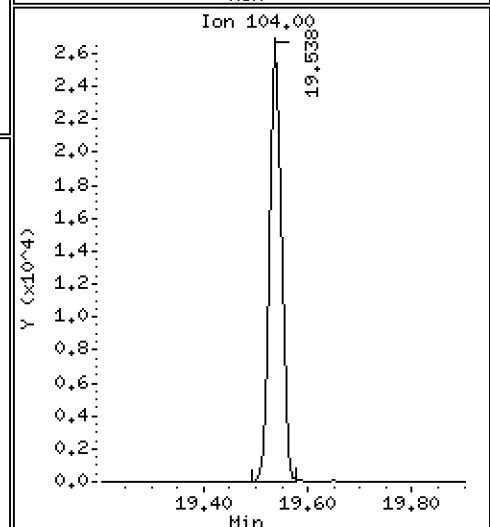
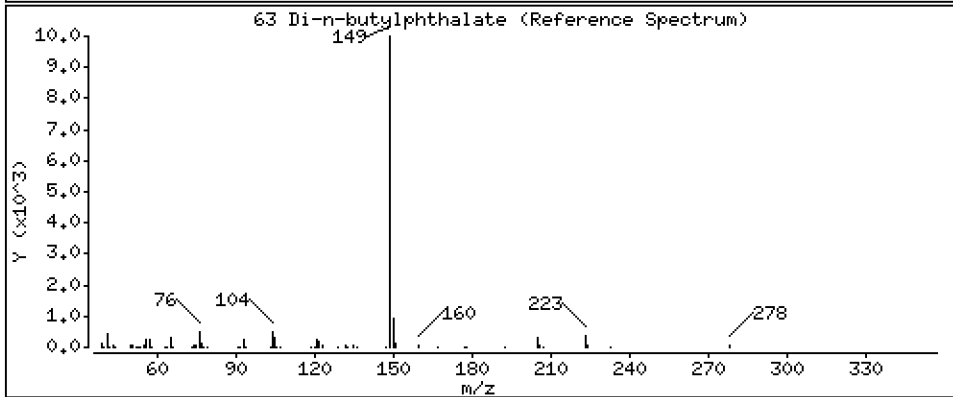
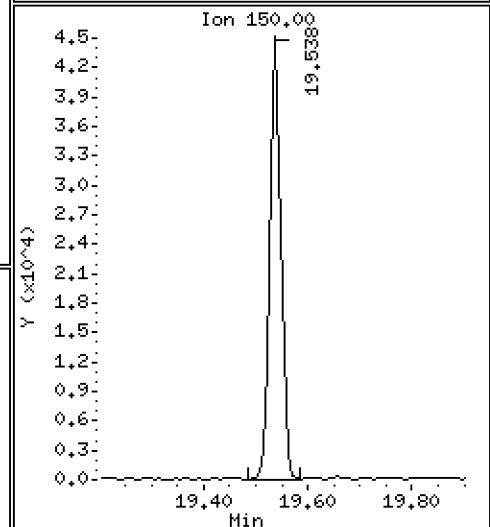
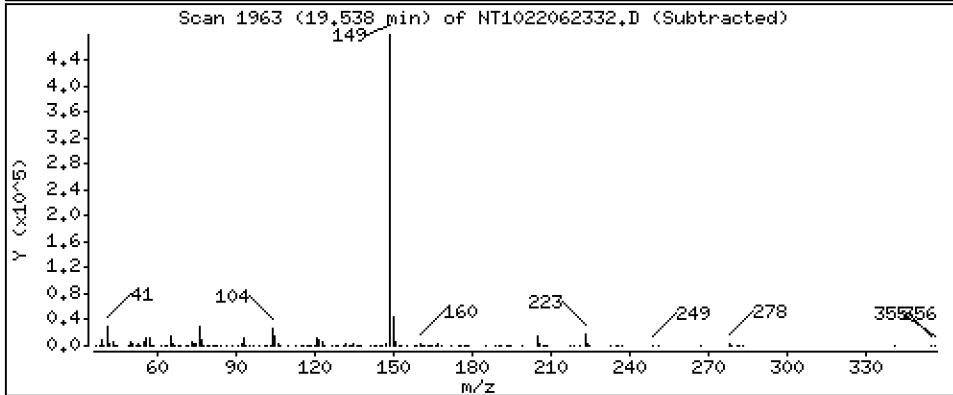
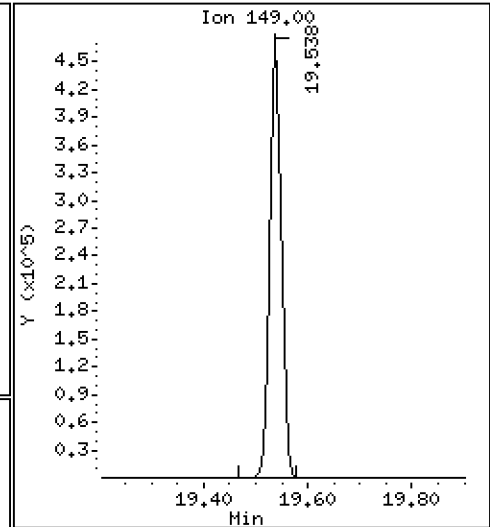
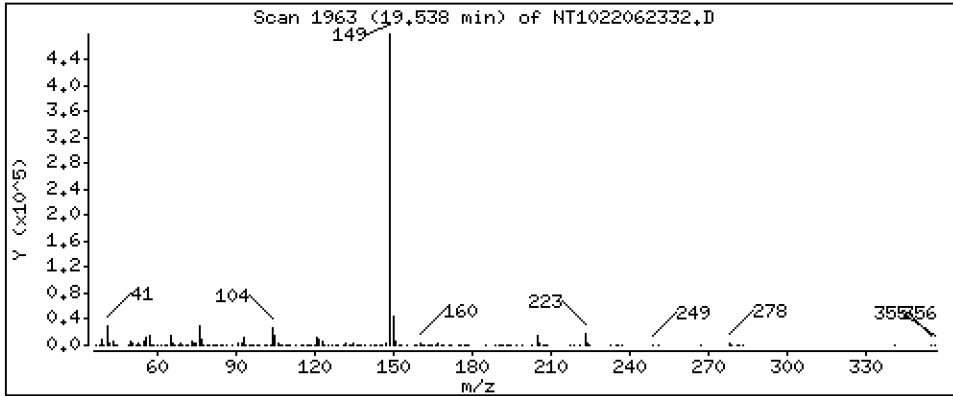
Operator: VTS

Column phase: ZB-5msi

Column diameter: 0,25

63 Di-n-butylphthalate

Concentration: 4,306 ug/mL



Date : 24-JUN-2022 04:54

Client ID:

Instrument: nt10.i

Sample Info: SKF0270-CCV1

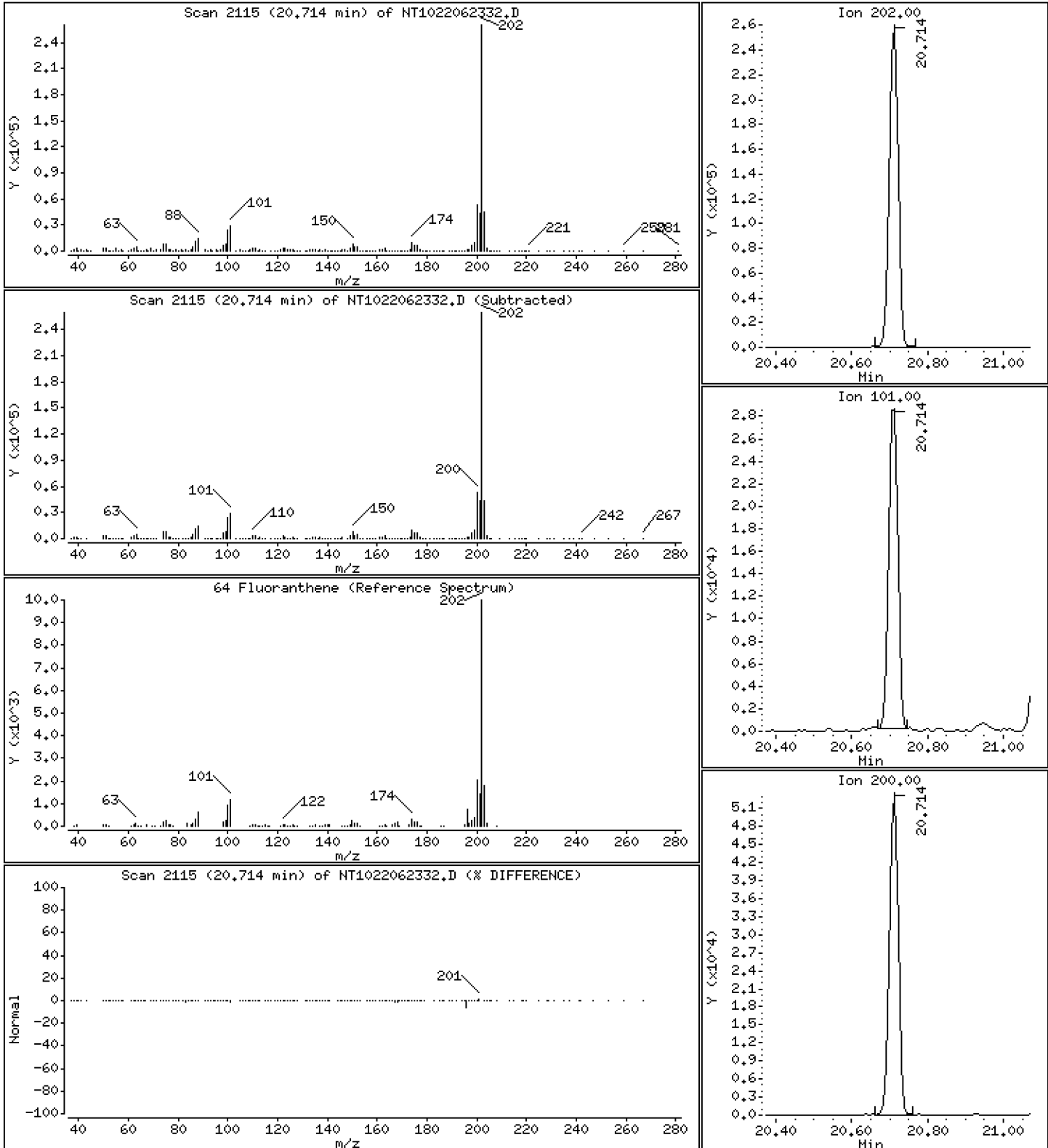
Operator: VTS

Column phase: ZB-5msi

Column diameter: 0,25

64 Fluoranthene

Concentration: 4,735 ug/mL



Date : 24-JUN-2022 04:54

Client ID:

Instrument: nt10.i

Sample Info: SKF0270-CCV1

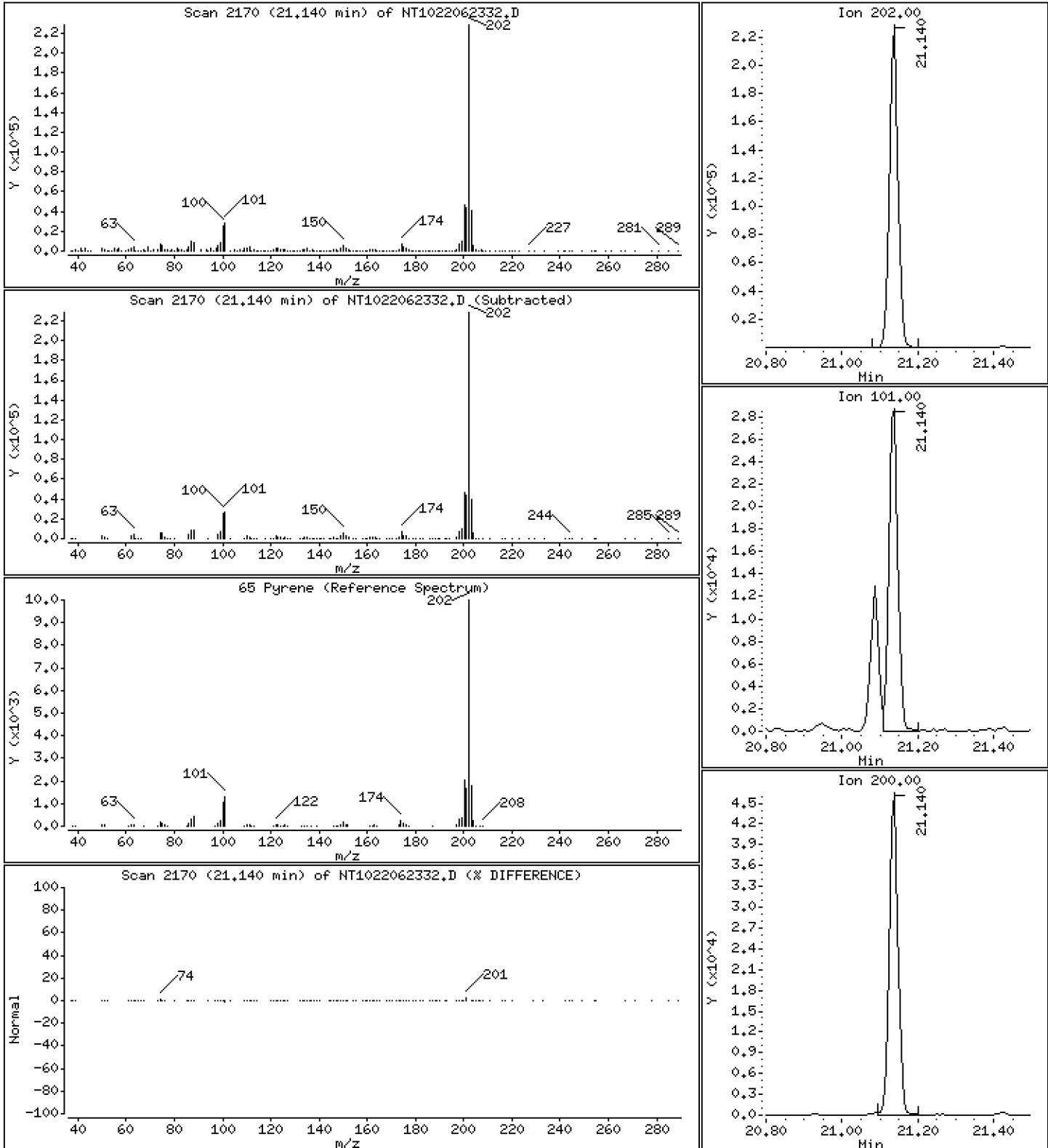
Operator: VTS

Column phase: ZB-5msi

Column diameter: 0,25

65 Pyrene

Concentration: 4,730 ug/mL



Date : 24-JUN-2022 04:54

Client ID:

Instrument: nt10.i

Sample Info: SKF0270-CCV1

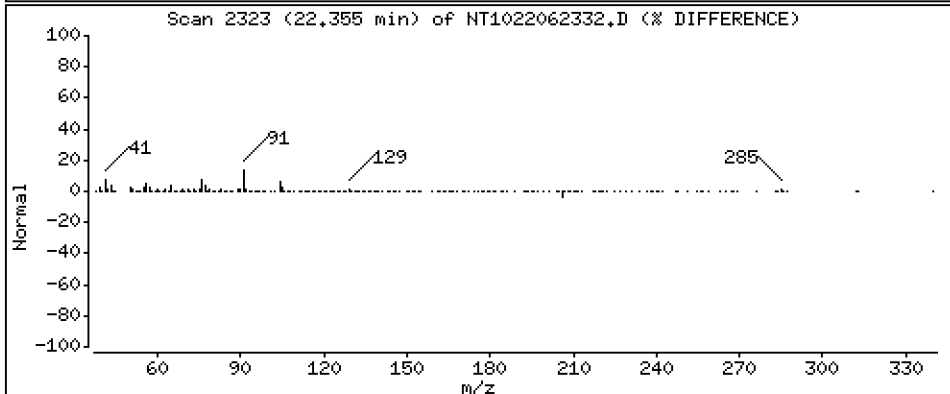
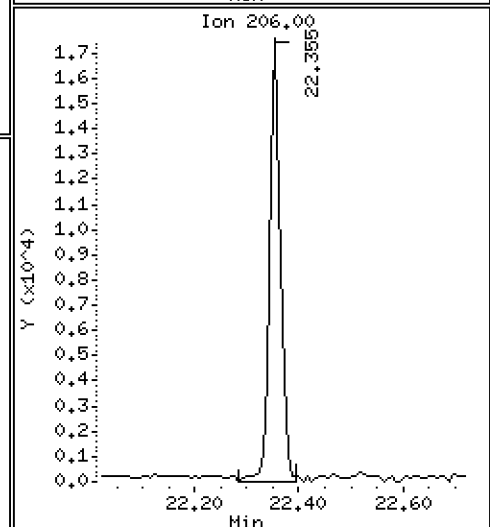
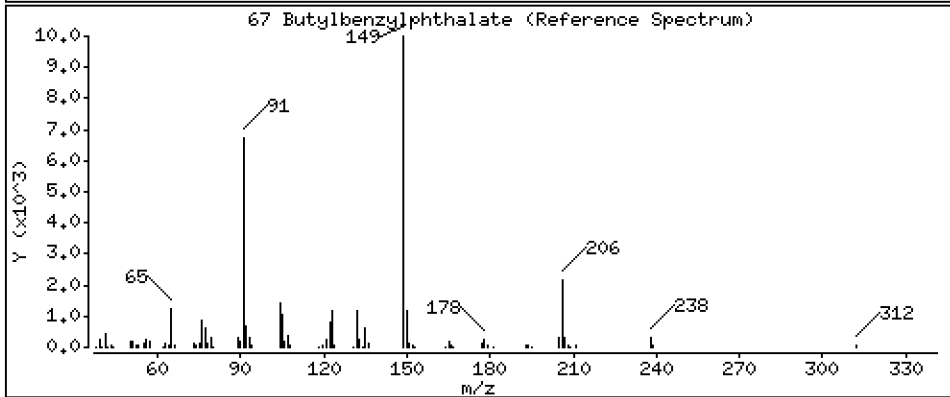
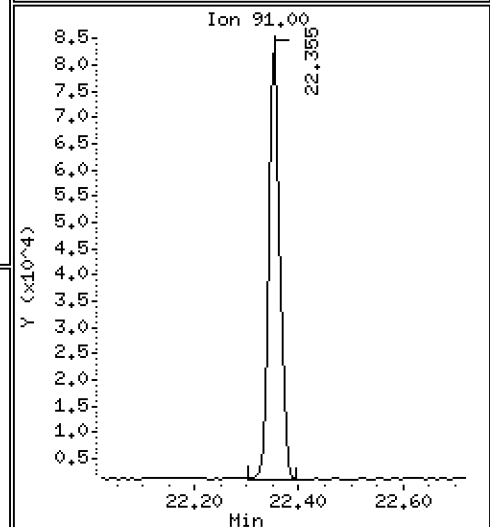
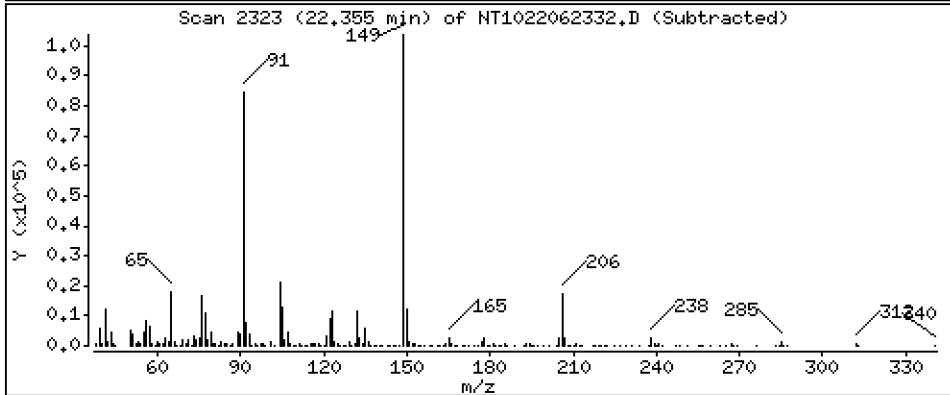
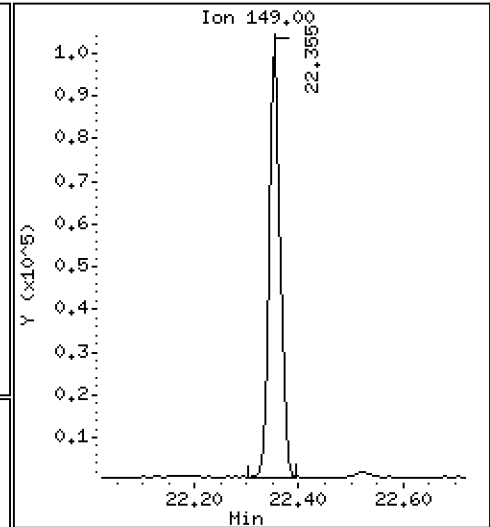
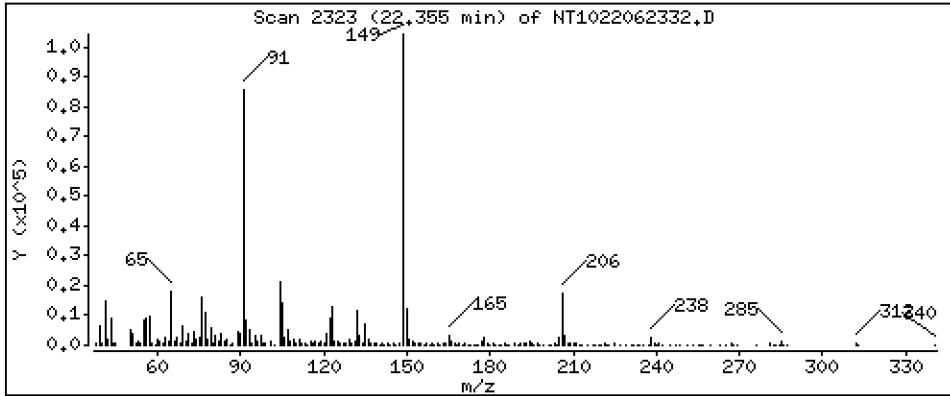
Operator: VTS

Column phase: ZB-5msi

Column diameter: 0,25

67 Butylbenzylphthalate

Concentration: 6,239 ug/mL



Date : 24-JUN-2022 04:54

Client ID:

Instrument: nt10.i

Sample Info: SKF0270-CCV1

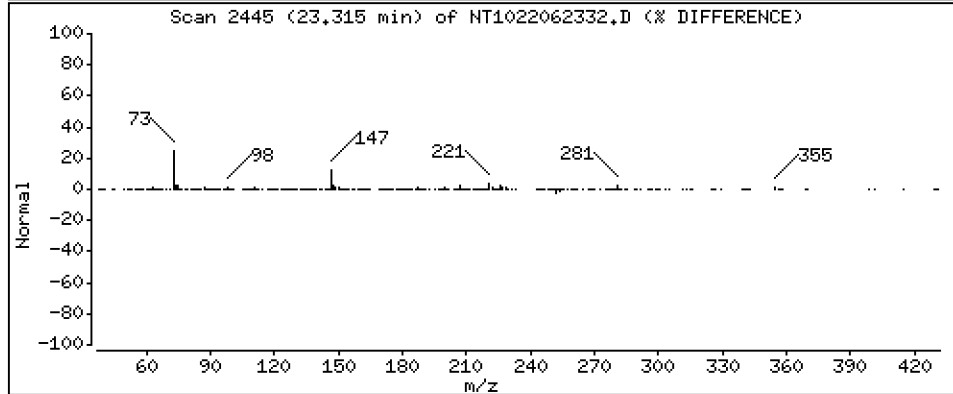
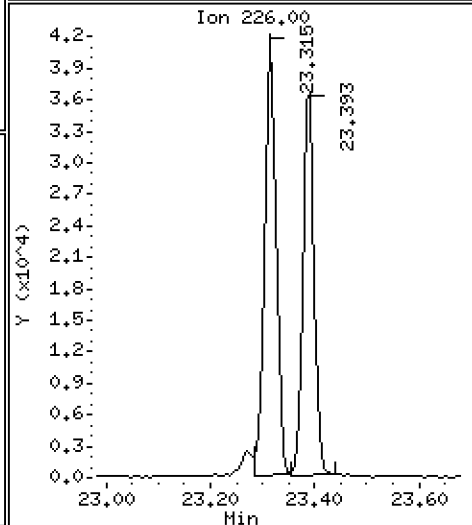
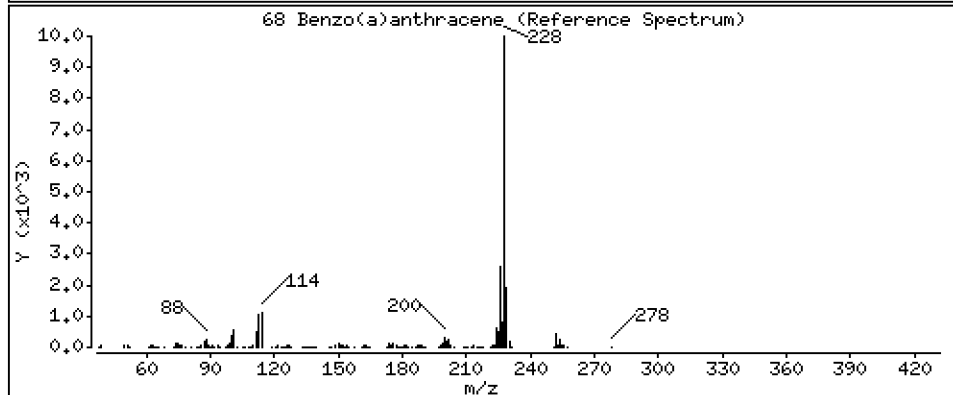
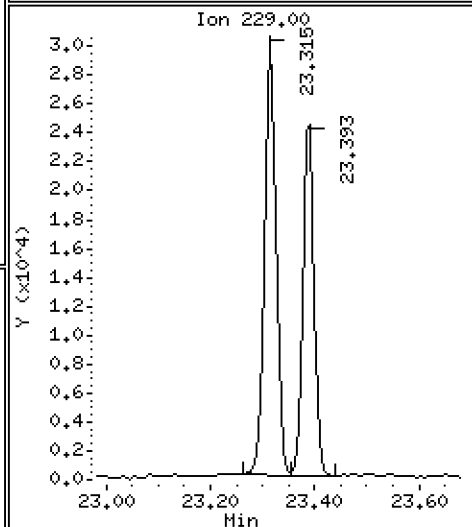
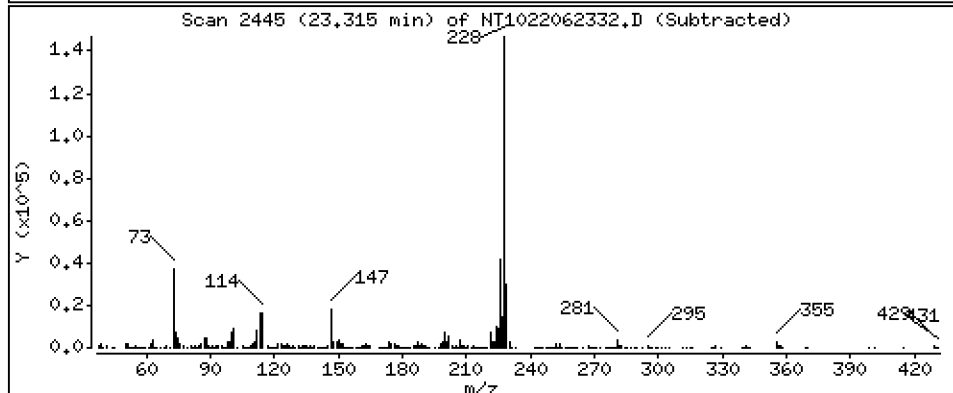
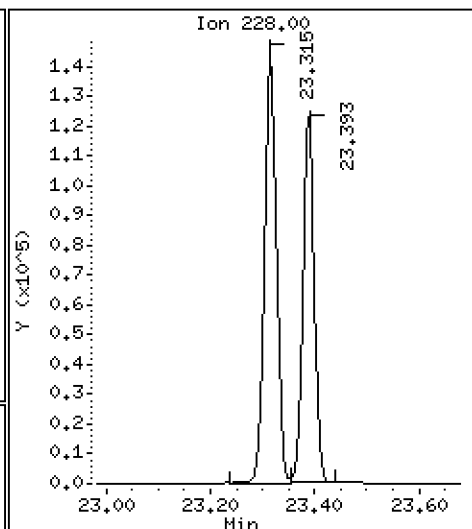
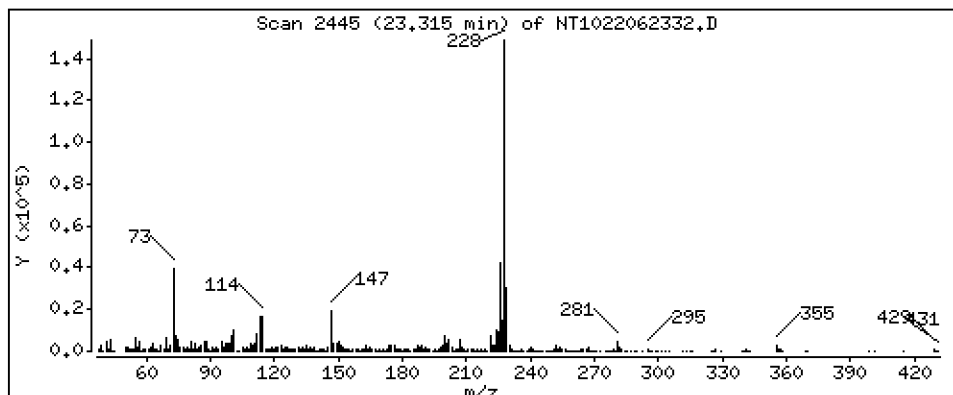
Operator: VTS

Column phase: ZB-5msi

Column diameter: 0,25

68 Benzo(a)anthracene

Concentration: 4,530 ug/mL



Date : 24-JUN-2022 04:54

Client ID:

Instrument: nt10.i

Sample Info: SKF0270-CCV1

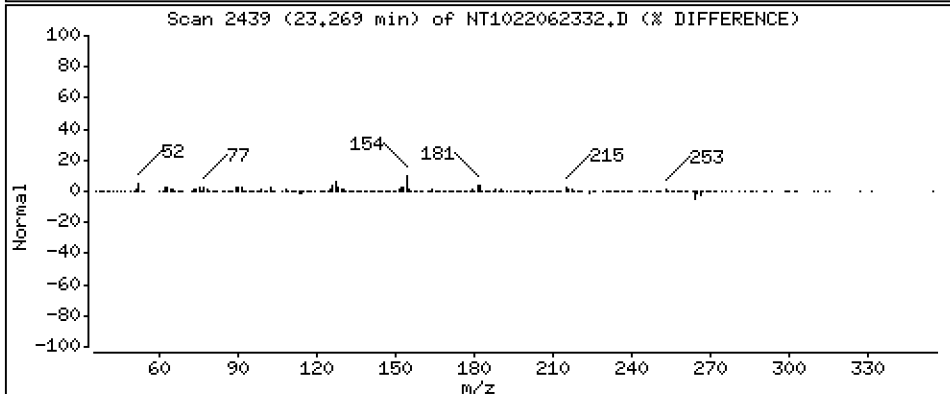
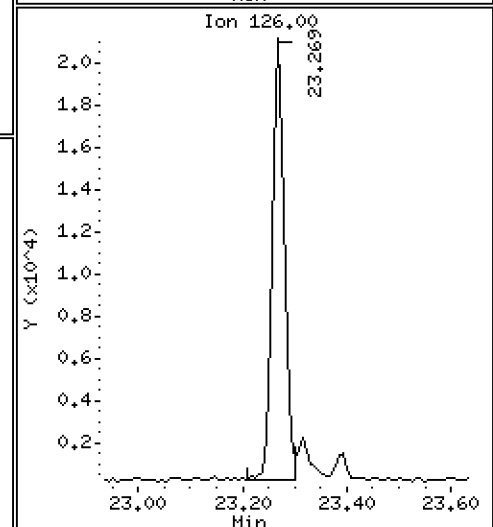
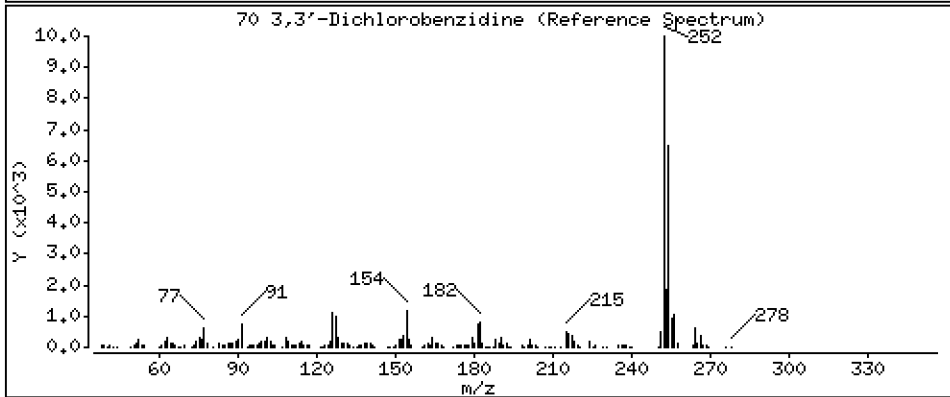
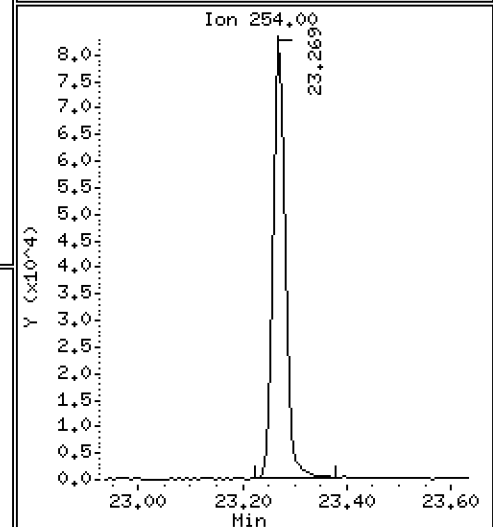
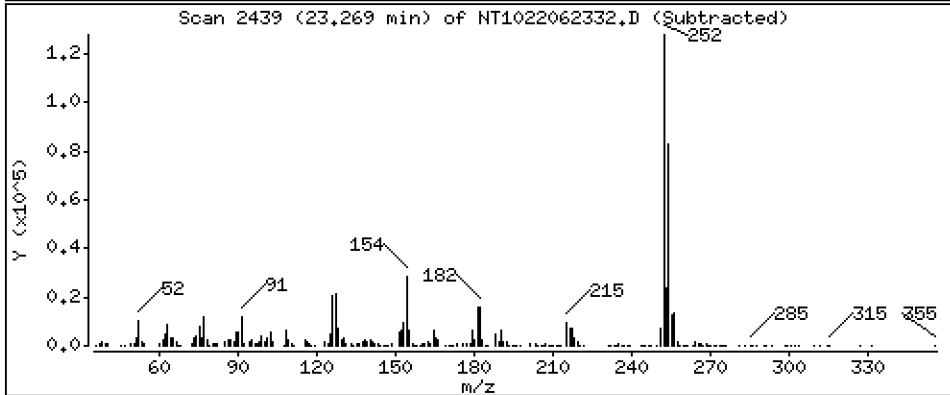
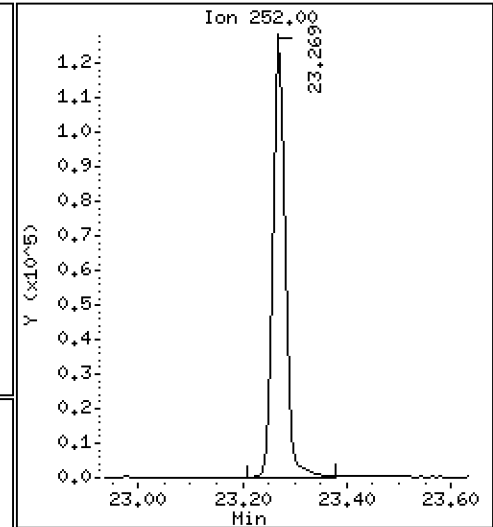
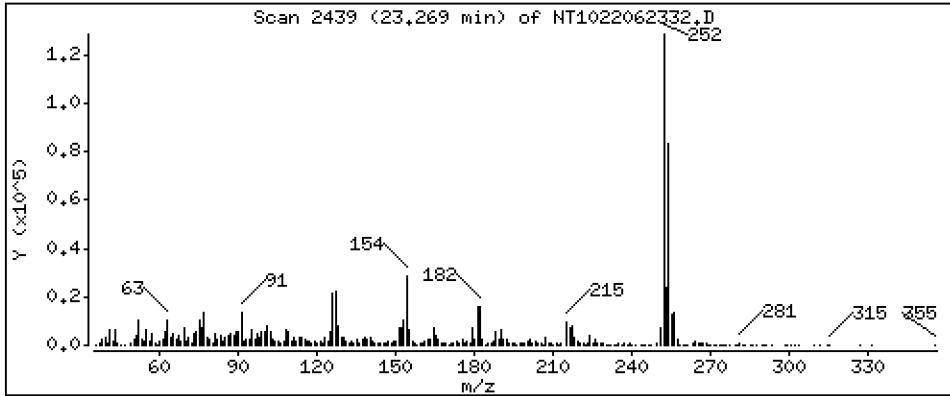
Operator: VTS

Column phase: ZB-5msi

Column diameter: 0,25

70 3,3'-Dichlorobenzidine

Concentration: 12,79 ug/mL



Date : 24-JUN-2022 04:54

Client ID:

Instrument: nt10.i

Sample Info: SKF0270-CCV1

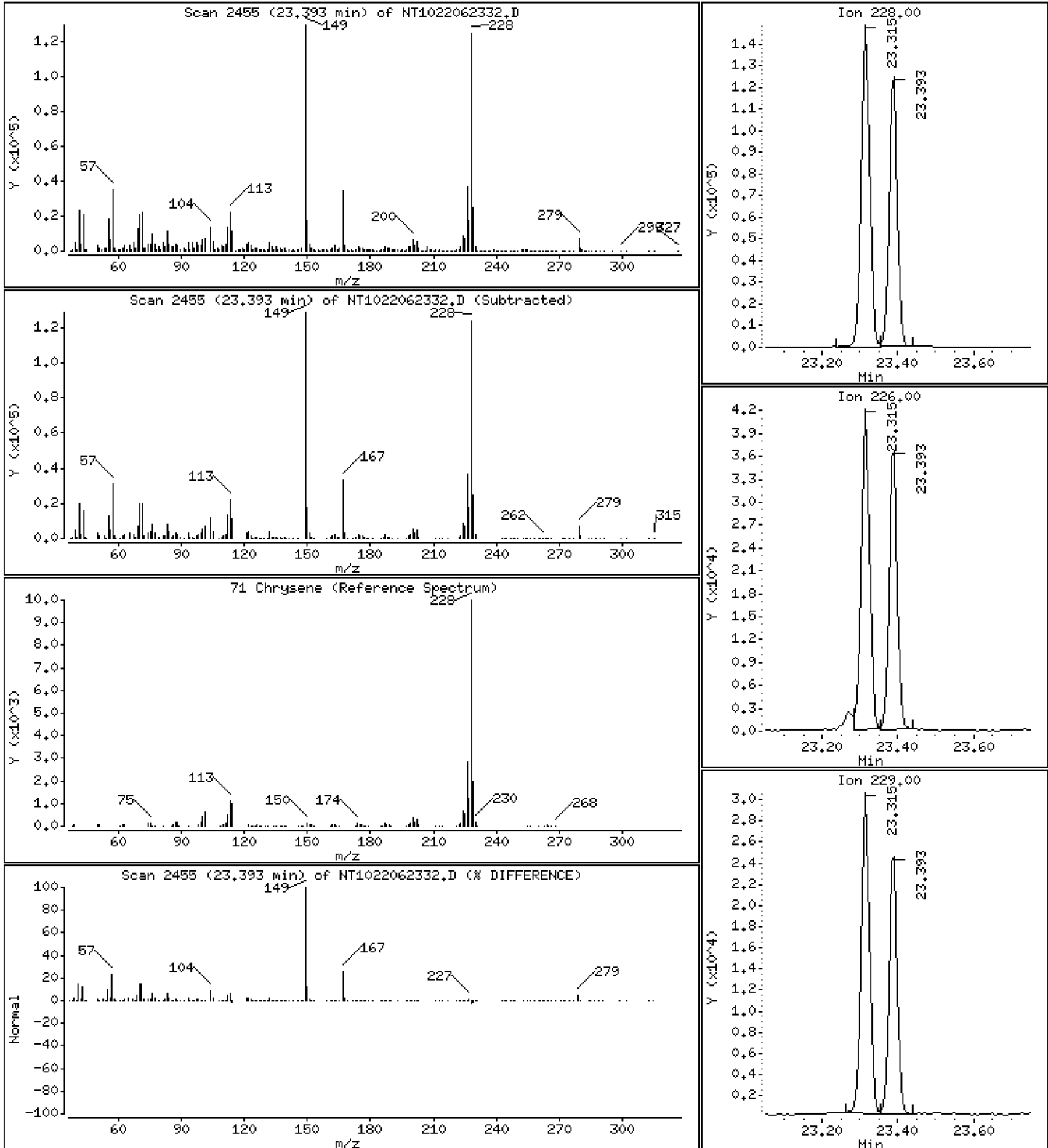
Operator: VTS

Column phase: ZB-5msi

Column diameter: 0,25

71 Chrysene

Concentration: 5,368 ug/mL



Date : 24-JUN-2022 04:54

Client ID:

Instrument: nt10.i

Sample Info: SKF0270-CCV1

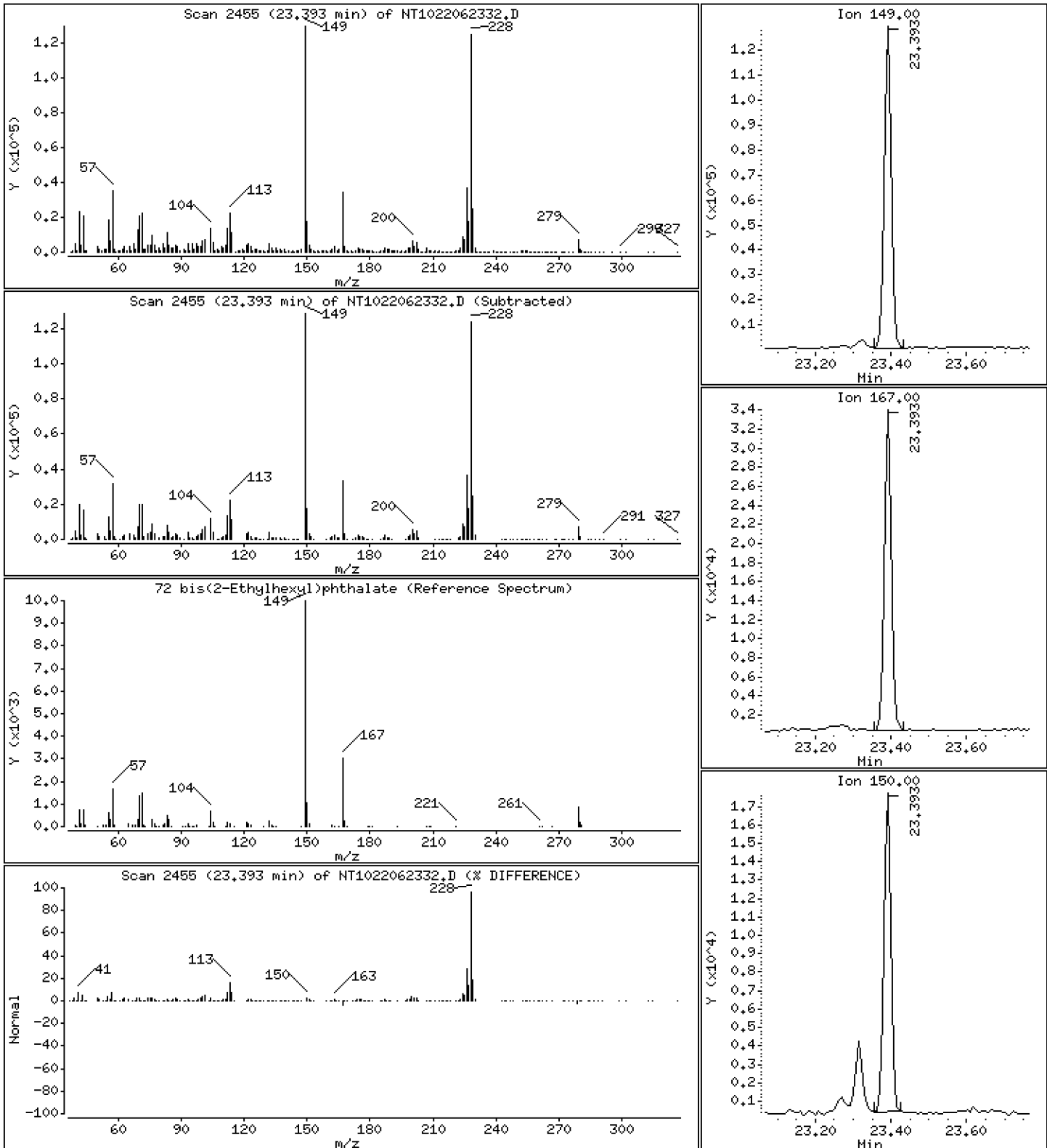
Operator: VTS

Column phase: ZB-5msi

Column diameter: 0,25

72 bis(2-Ethylhexyl)phthalate

Concentration: 6,304 ug/mL



Date : 24-JUN-2022 04:54

Client ID:

Instrument: nt10.i

Sample Info: SKF0270-CCV1

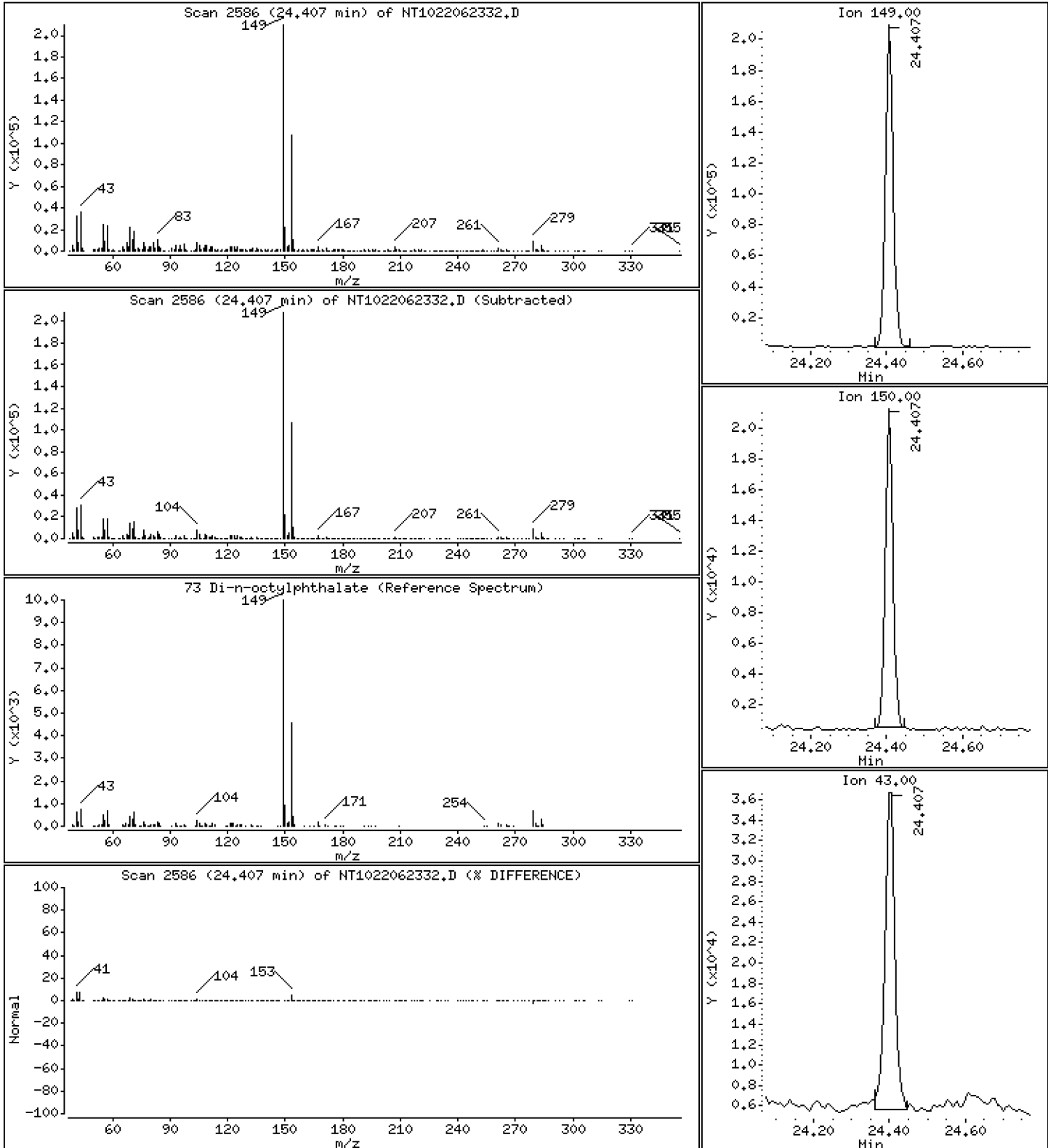
Operator: VTS

Column phase: ZB-5msi

Column diameter: 0,25

73 Di-n-octylphthalate

Concentration: 5,287 ug/mL



Date : 24-JUN-2022 04:54

Client ID:

Instrument: nt10.i

Sample Info: SKF0270-CCV1

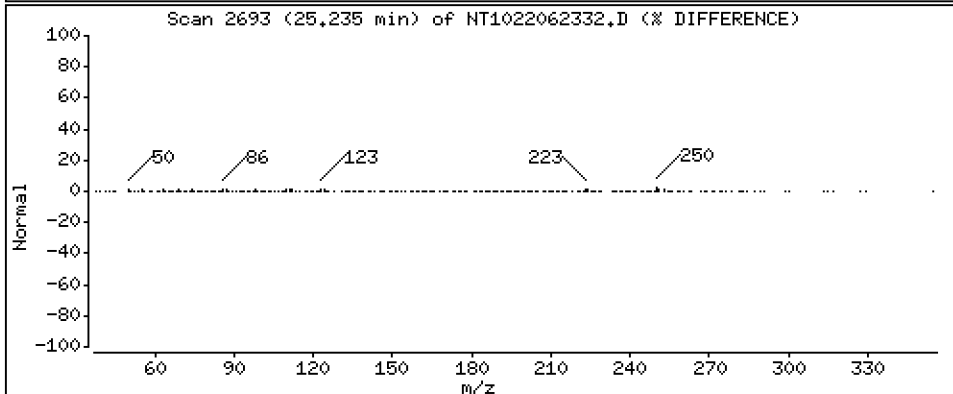
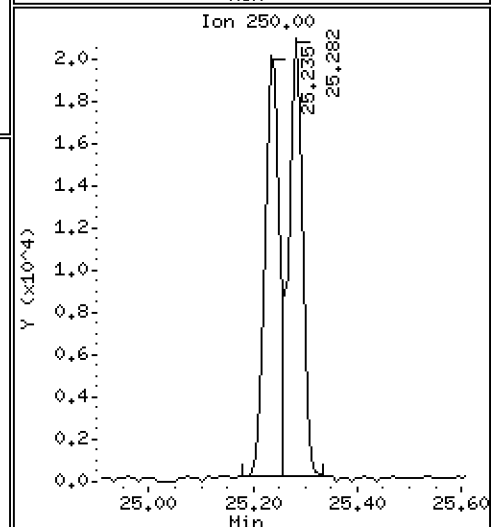
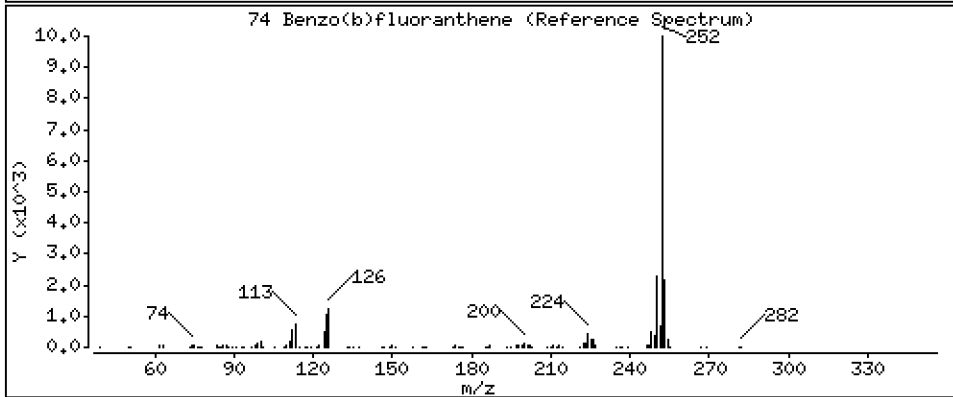
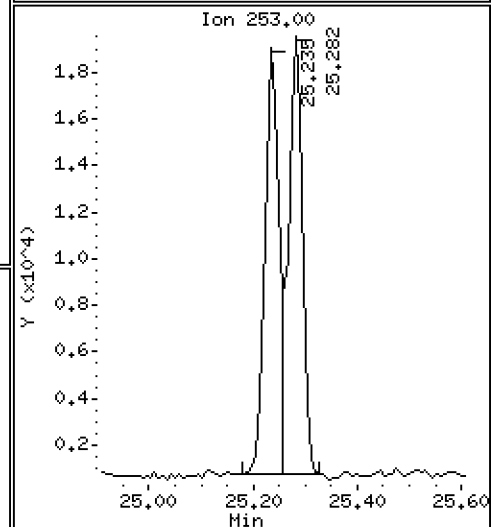
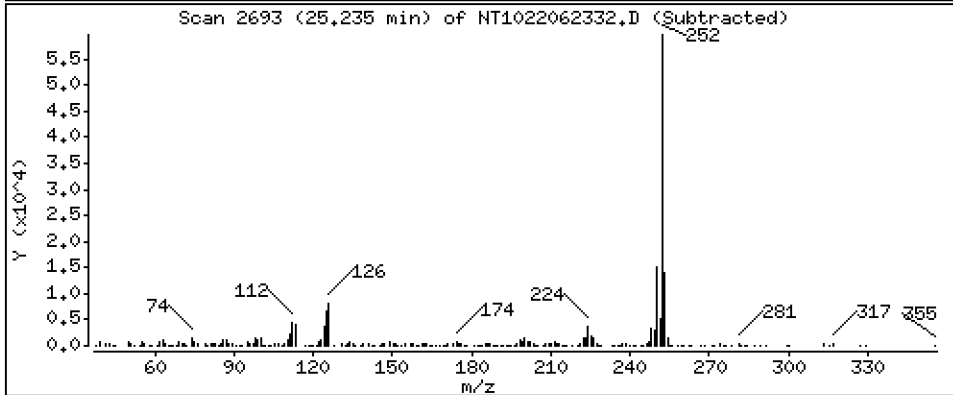
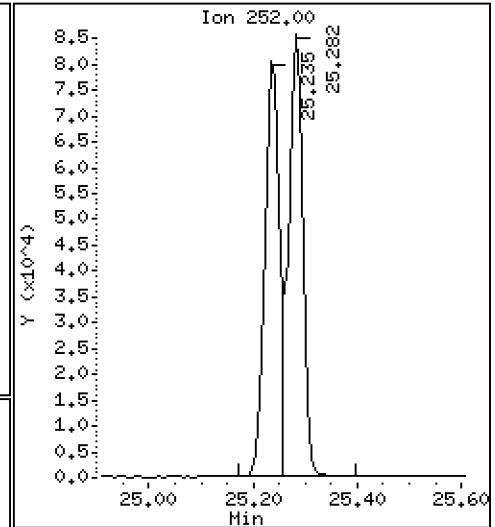
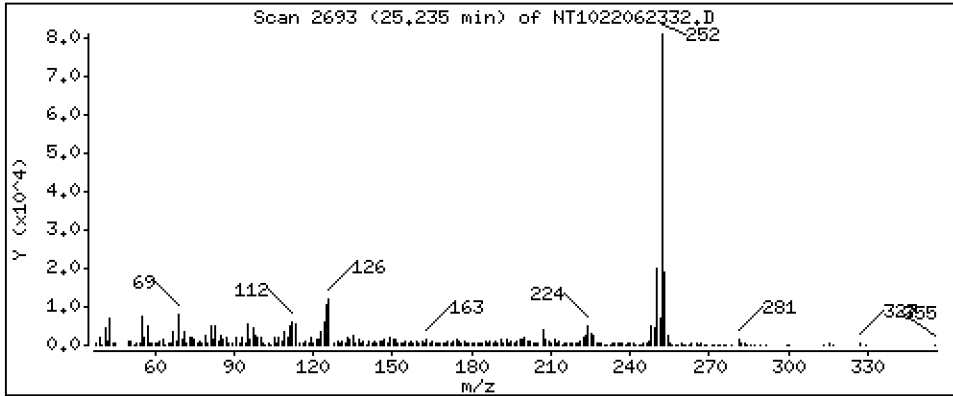
Operator: VTS

Column phase: ZB-5msi

Column diameter: 0,25

74 Benzo(b)fluoranthene

Concentration: 4,125 ug/mL



Date : 24-JUN-2022 04:54

Client ID:

Instrument: nt10.i

Sample Info: SKF0270-CCV1

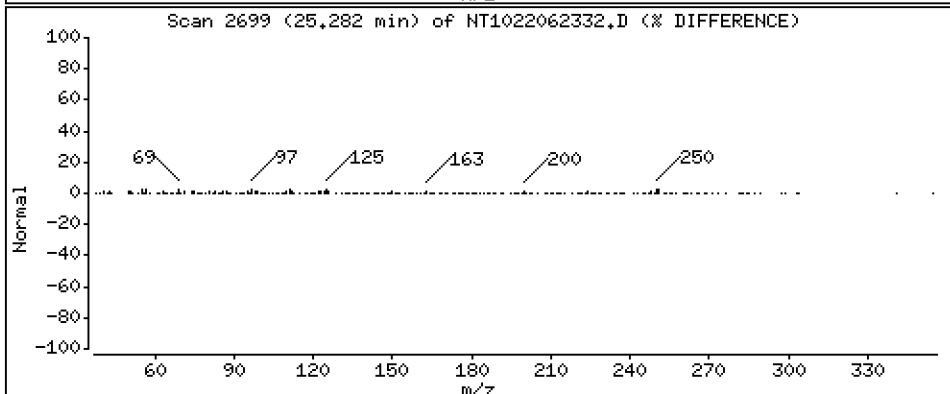
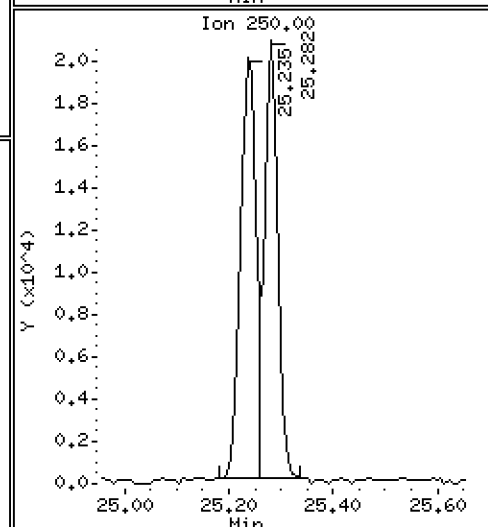
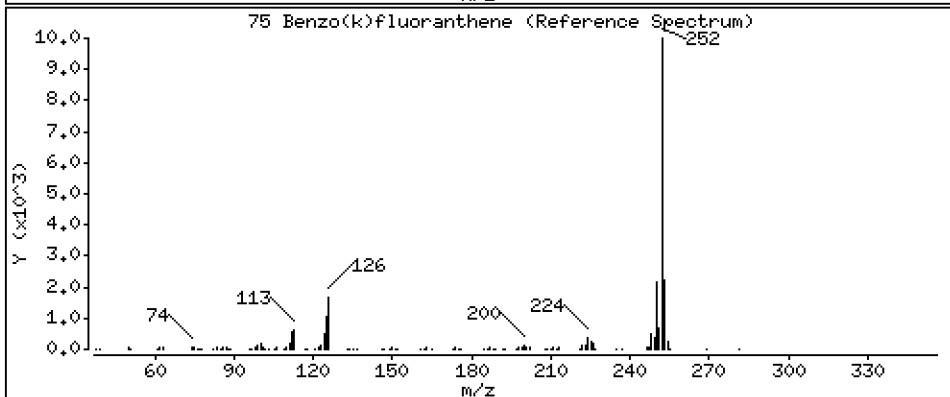
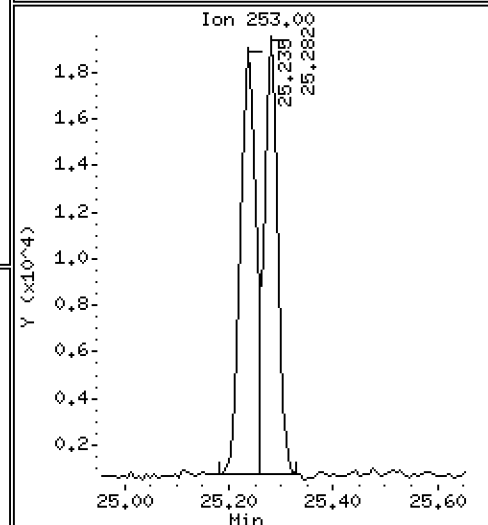
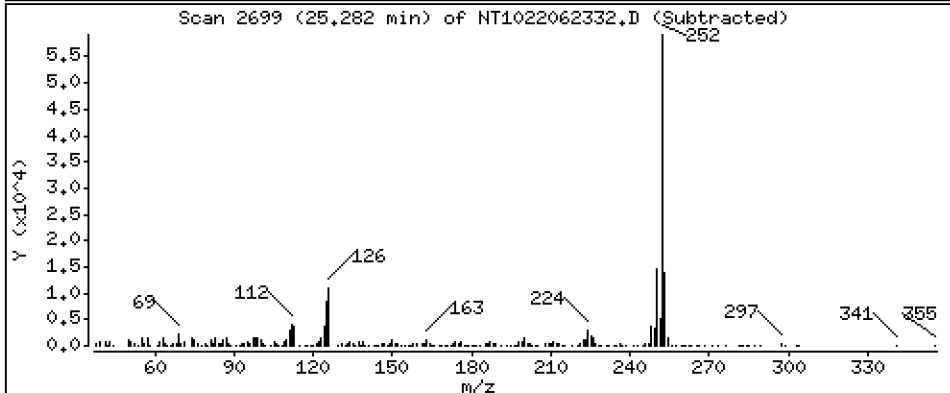
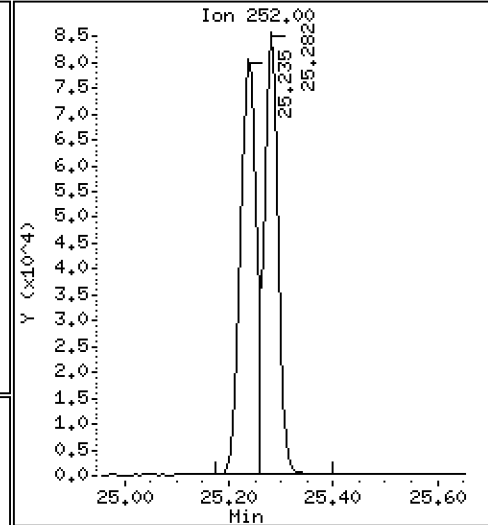
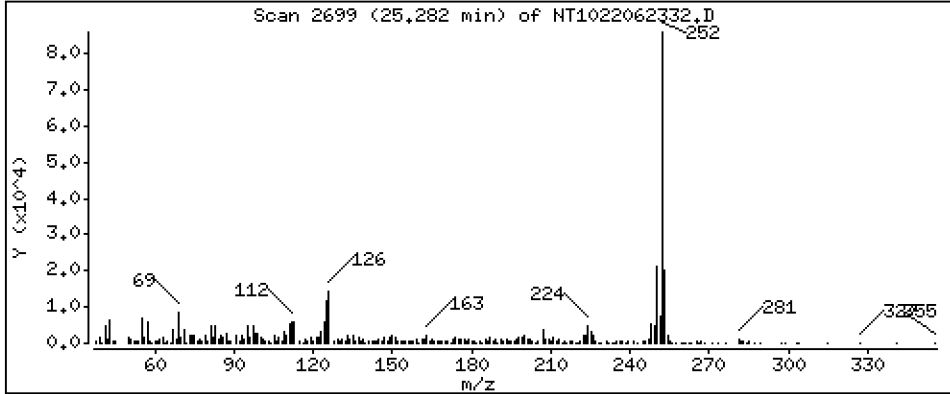
Operator: VTS

Column phase: ZB-5msi

Column diameter: 0,25

75 Benzo(k)fluoranthene

Concentration: 4,433 ug/mL



Date : 24-JUN-2022 04:54

Client ID:

Instrument: nt10.i

Sample Info: SKF0270-CCV1

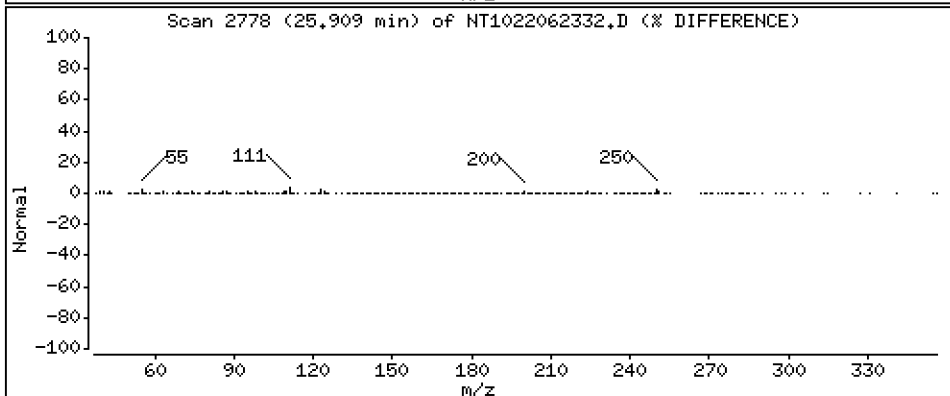
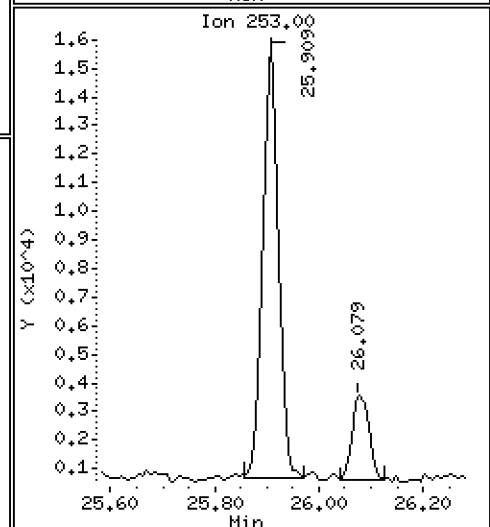
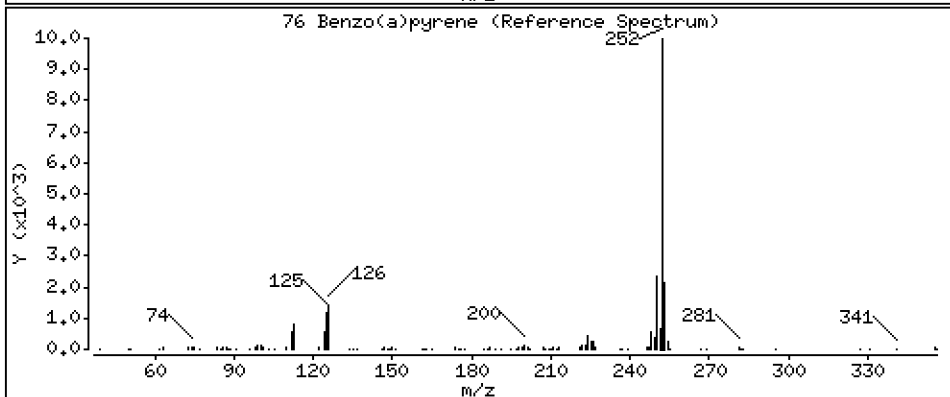
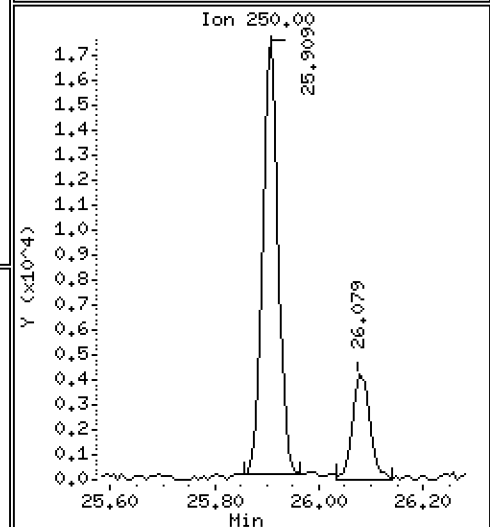
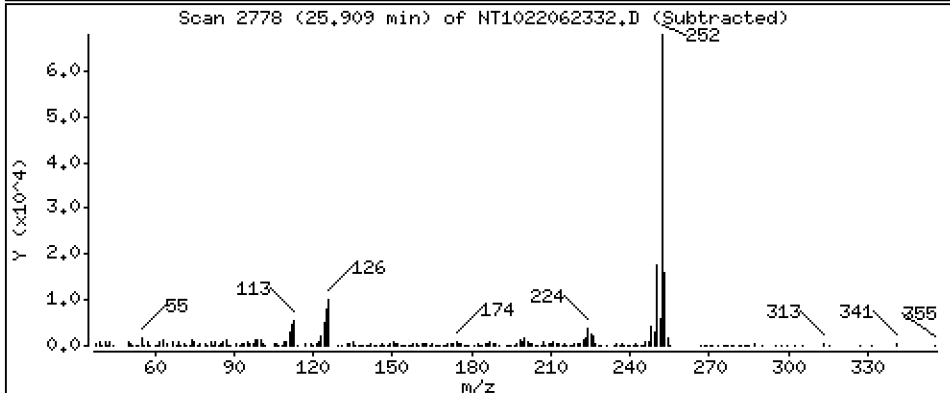
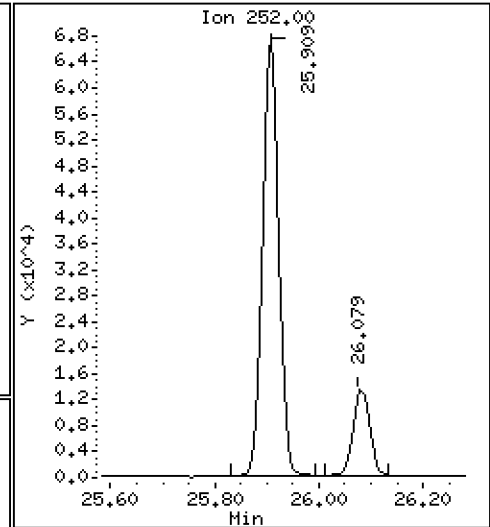
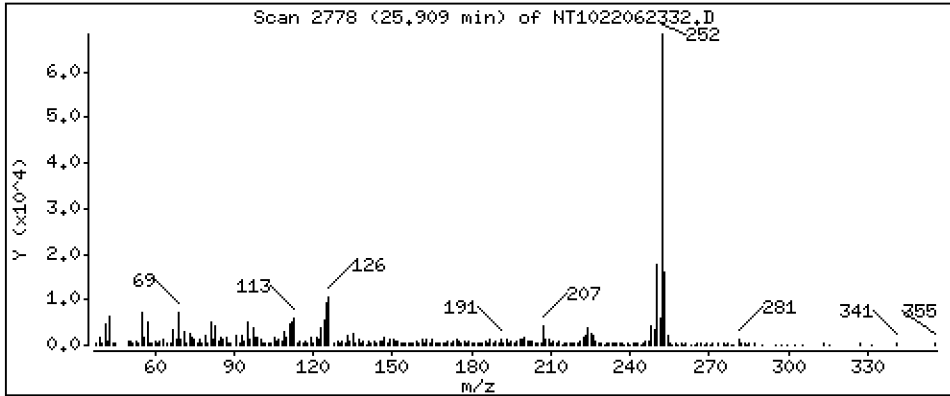
Operator: VTS

Column phase: ZB-5msi

Column diameter: 0,25

76 Benzo(a)pyrene

Concentration: 4,473 ug/mL



Date : 24-JUN-2022 04:54

Client ID:

Instrument: nt10.i

Sample Info: SKF0270-CCV1

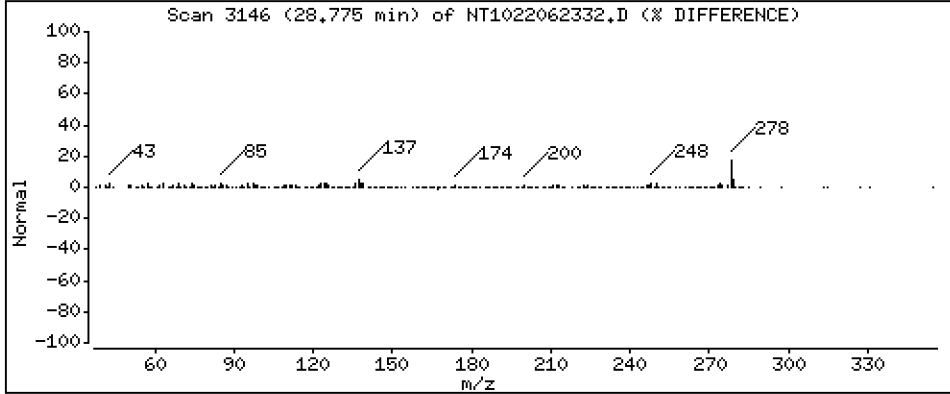
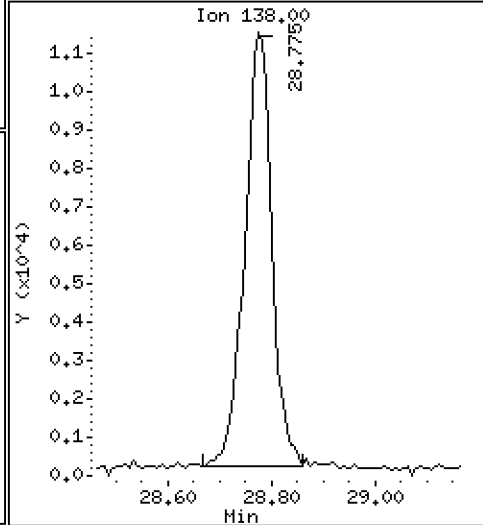
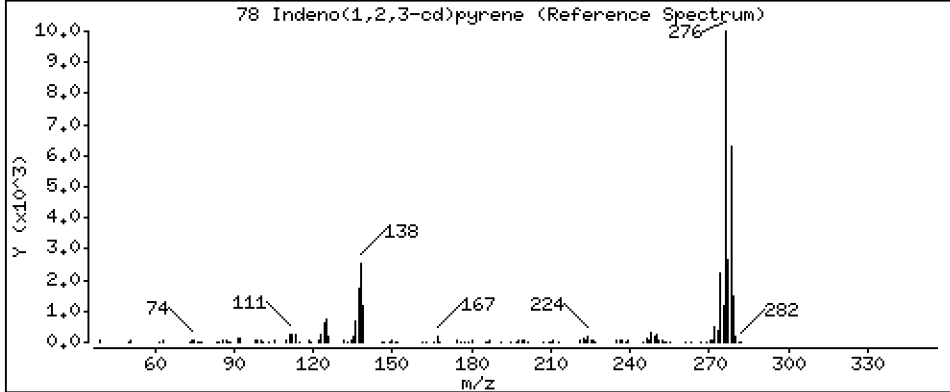
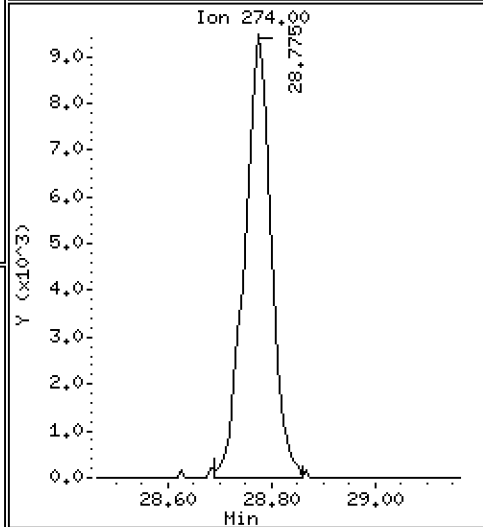
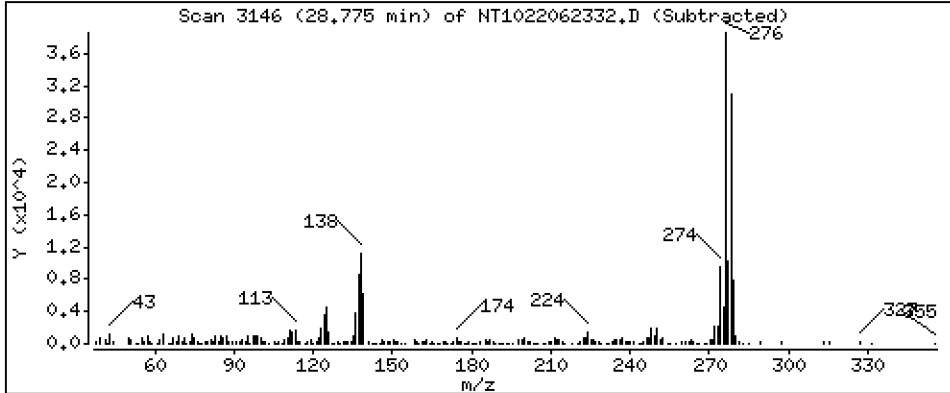
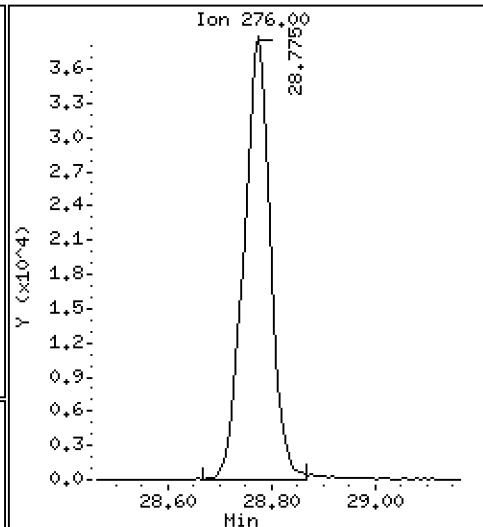
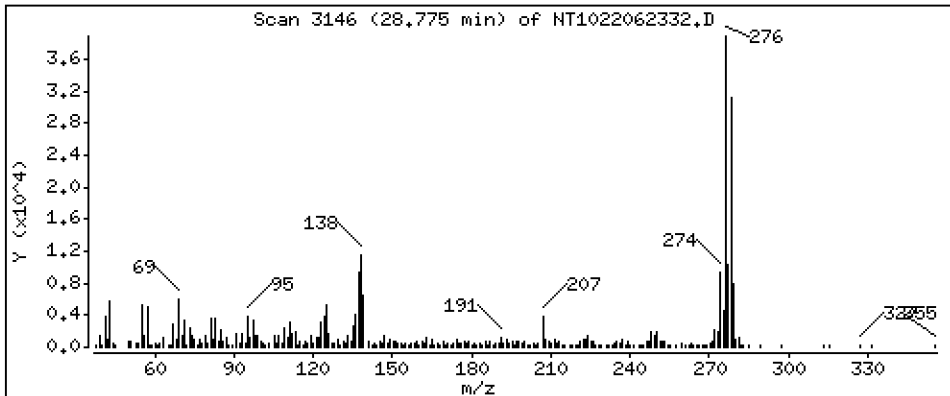
Operator: VTS

Column phase: ZB-5msi

Column diameter: 0,25

78 Indeno(1,2,3-cd)pyrene

Concentration: 3,967 ug/mL



Date : 24-JUN-2022 04:54

Client ID:

Instrument: nt10.i

Sample Info: SKF0270-CCV1

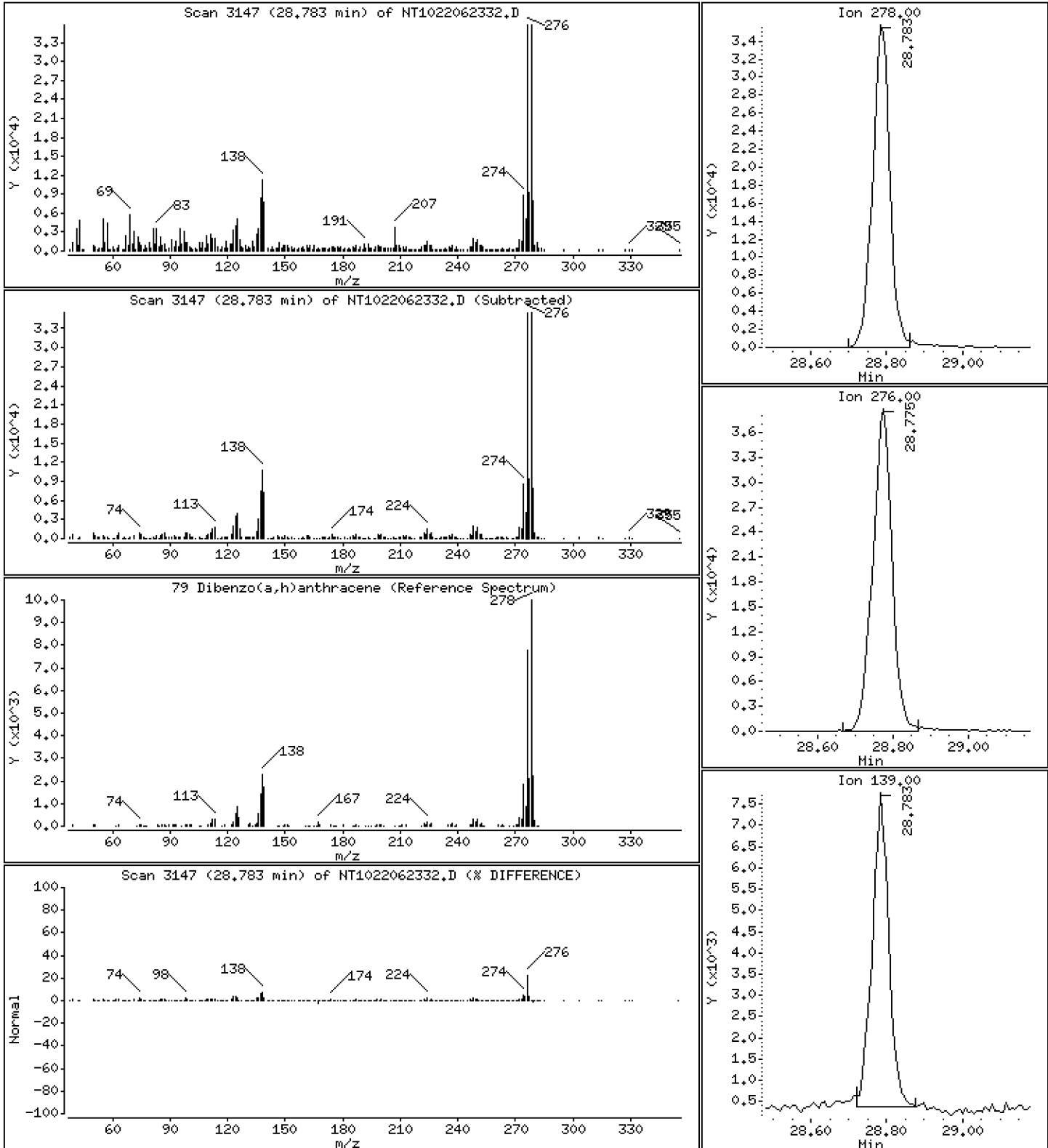
Operator: VTS

Column phase: ZB-5msi

Column diameter: 0,25

79 Dibenzo(a,h)anthracene

Concentration: 4,301 ug/mL



Date : 24-JUN-2022 04:54

Client ID:

Instrument: nt10.i

Sample Info: SKF0270-CCV1

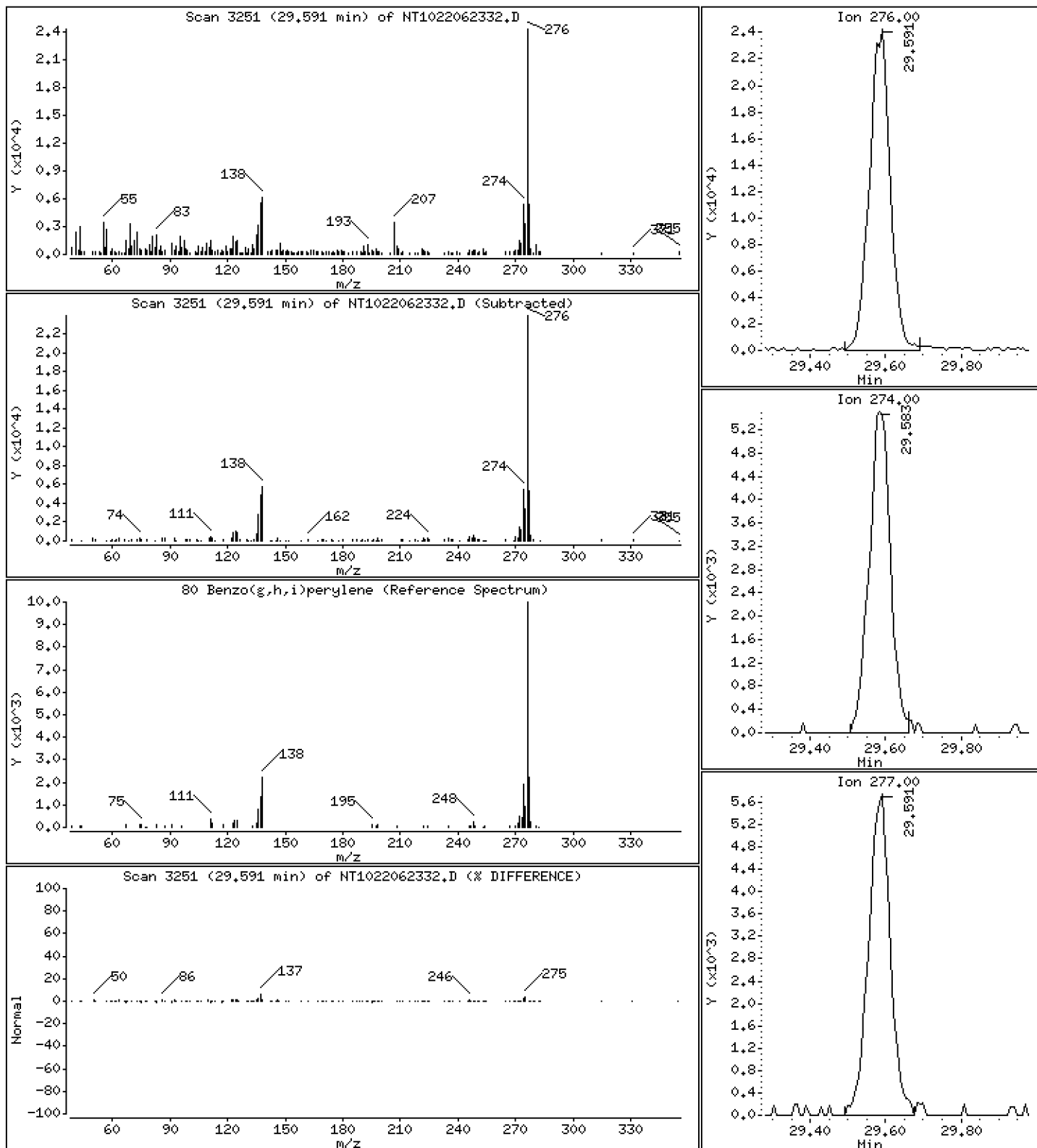
Operator: VTS

Column phase: ZB-5msi

Column diameter: 0,25

80 Benzo(g,h,i)perylene

Concentration: 3,358 ug/mL



Date : 24-JUN-2022 04:54

Client ID:

Instrument: nt10.i

Sample Info: SKF0270-CCV1

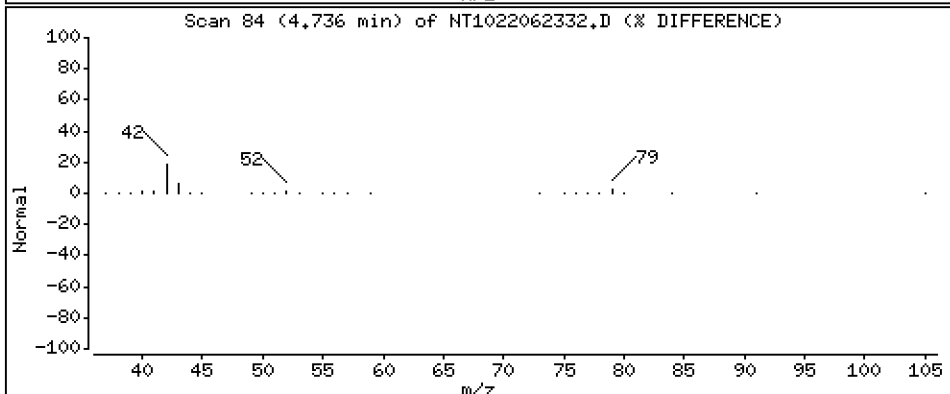
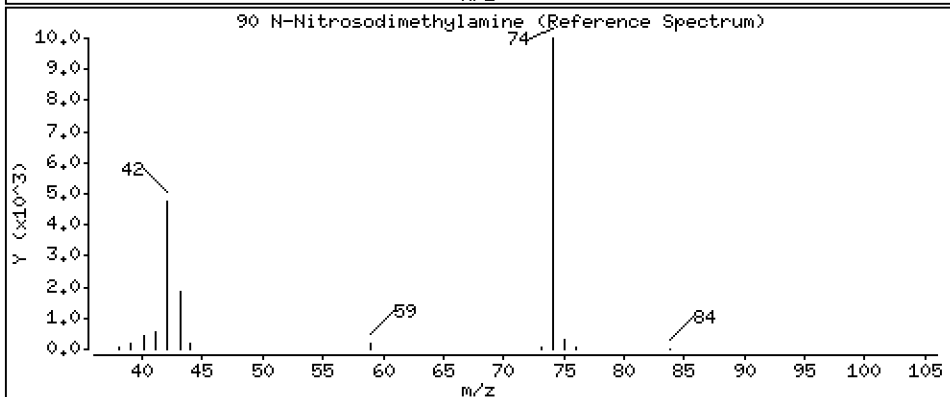
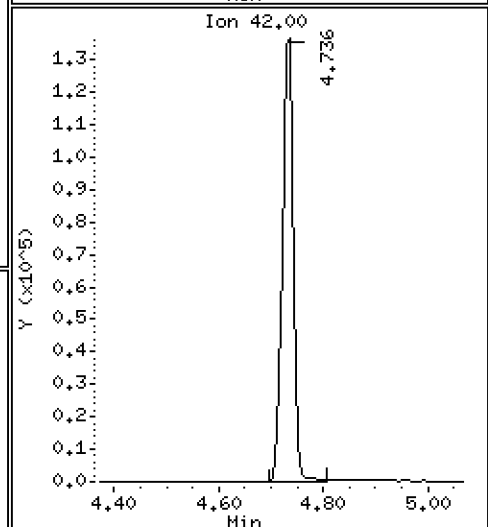
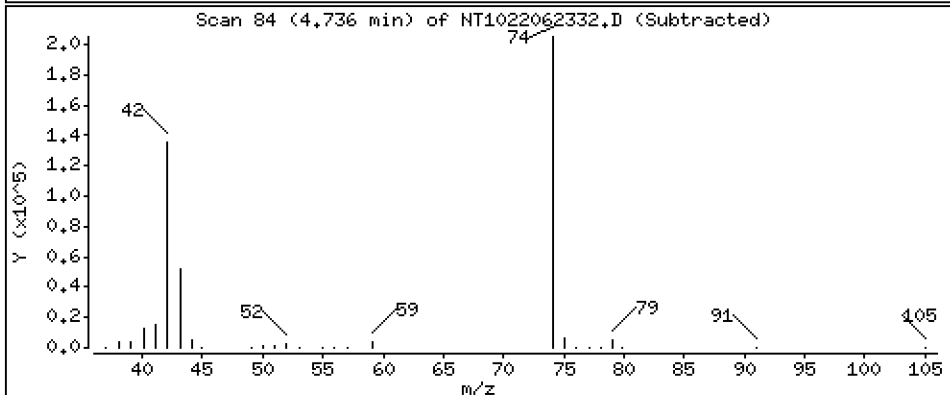
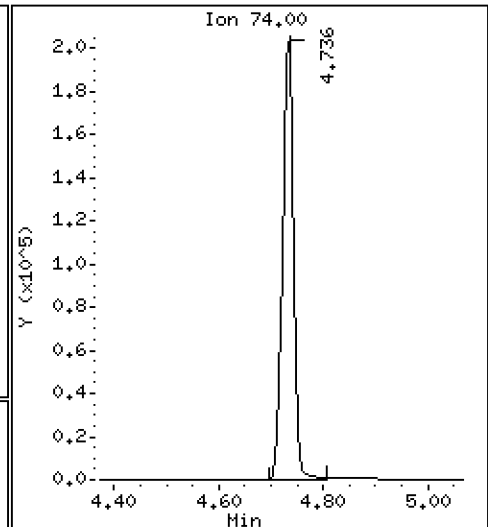
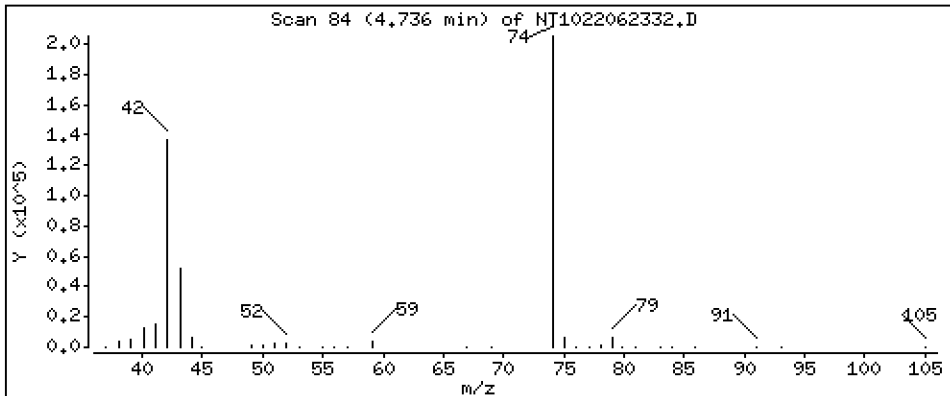
Operator: VTS

Column phase: ZB-5msi

Column diameter: 0.25

90 N-Nitrosodimethylamine

Concentration: 8,104 ug/mL



Date : 24-JUN-2022 04:54

Client ID:

Instrument: nt10.i

Sample Info: SKF0270-CCV1

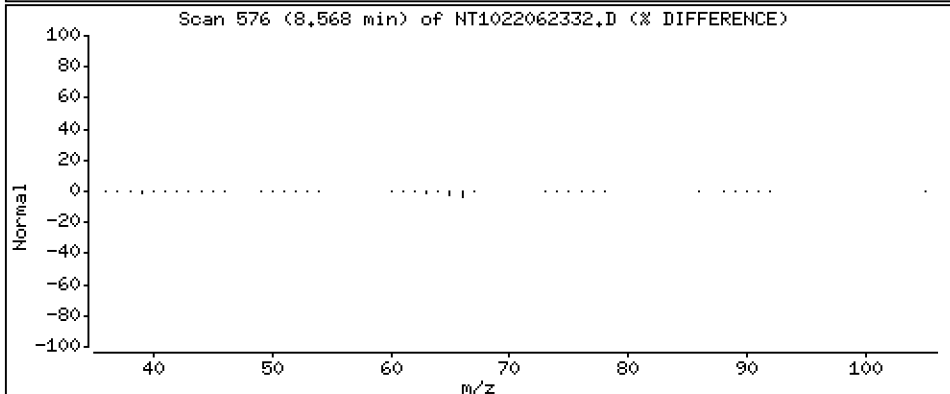
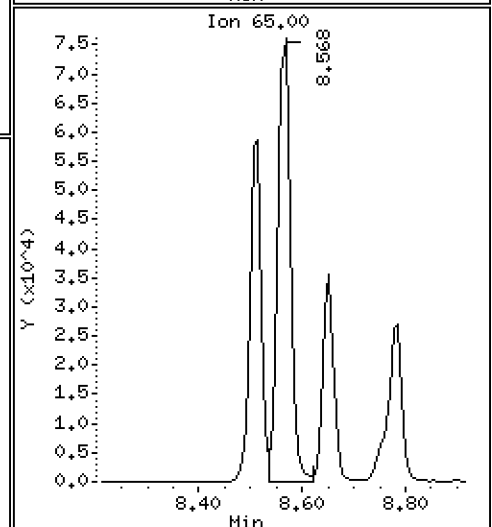
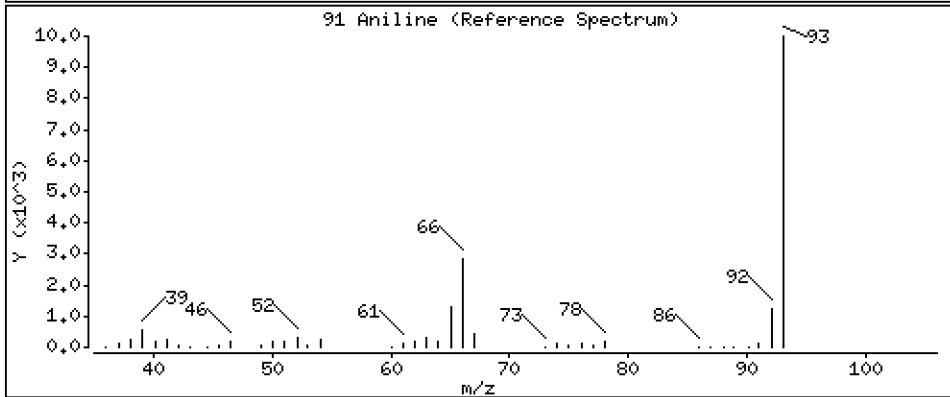
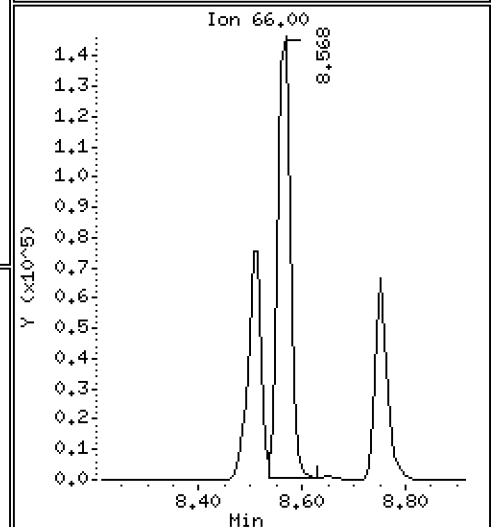
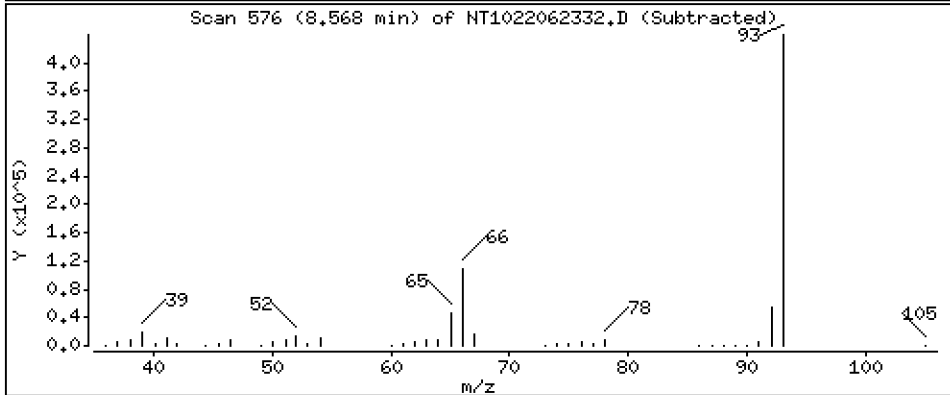
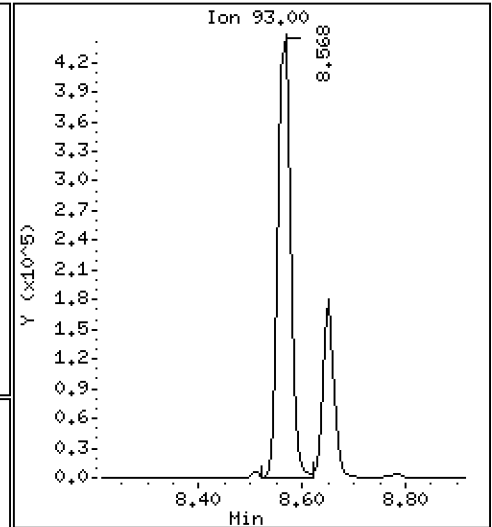
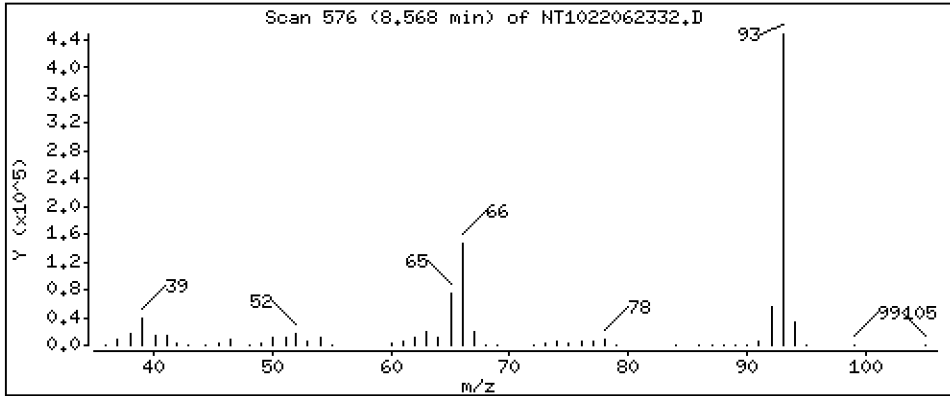
Operator: VTS

Column phase: ZB-5msi

Column diameter: 0,25

91 Aniline

Concentration: 9,738 ug/mL



Date : 24-JUN-2022 04:54

Client ID:

Instrument: nt10.i

Sample Info: SKF0270-CCV1

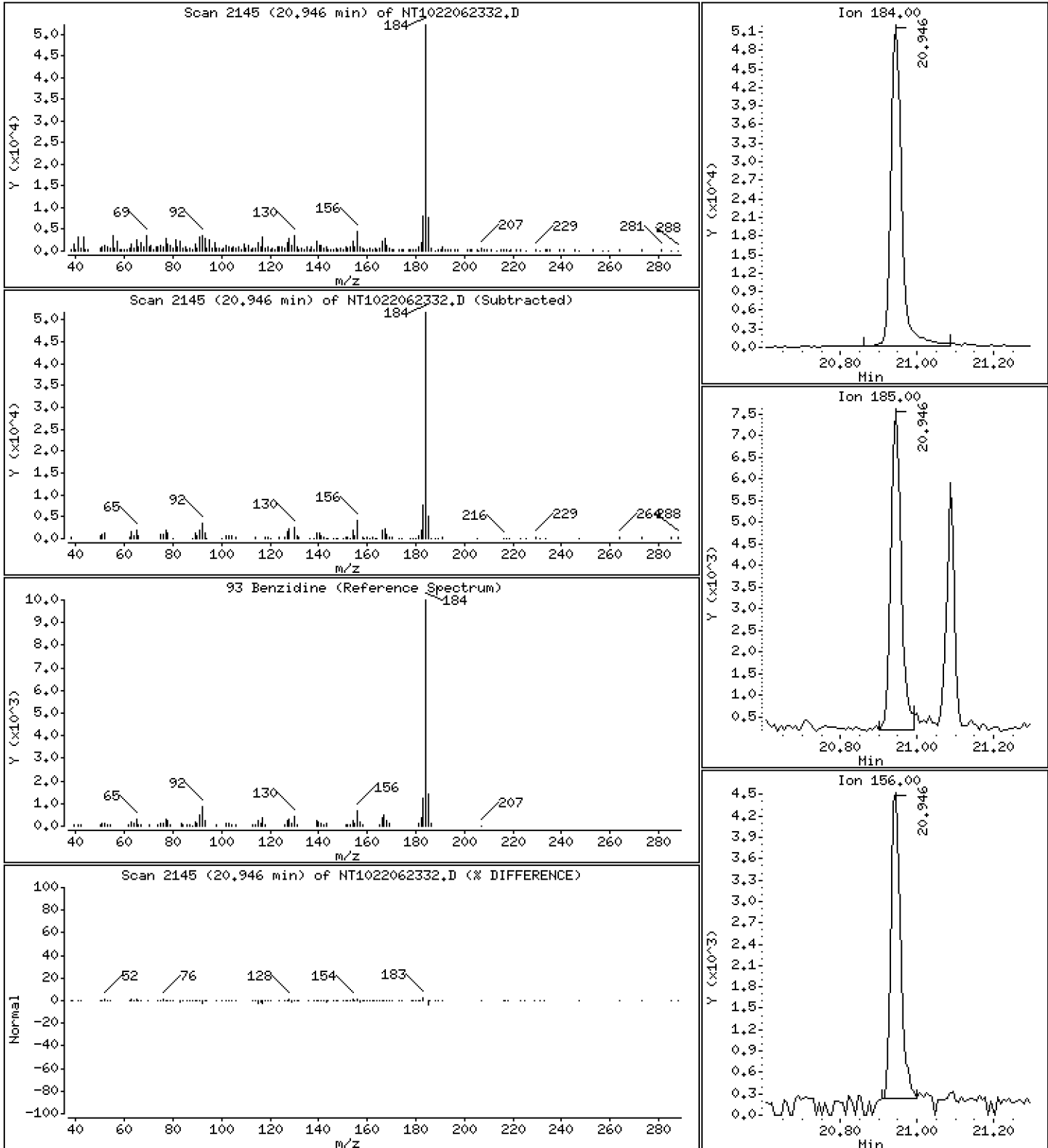
Operator: VTS

Column phase: ZB-5msi

Column diameter: 0,25

93 Benzidine

Concentration: 5,779 ug/mL



Date : 24-JUN-2022 04:54

Client ID:

Instrument: nt10.i

Sample Info: SKF0270-CCV1

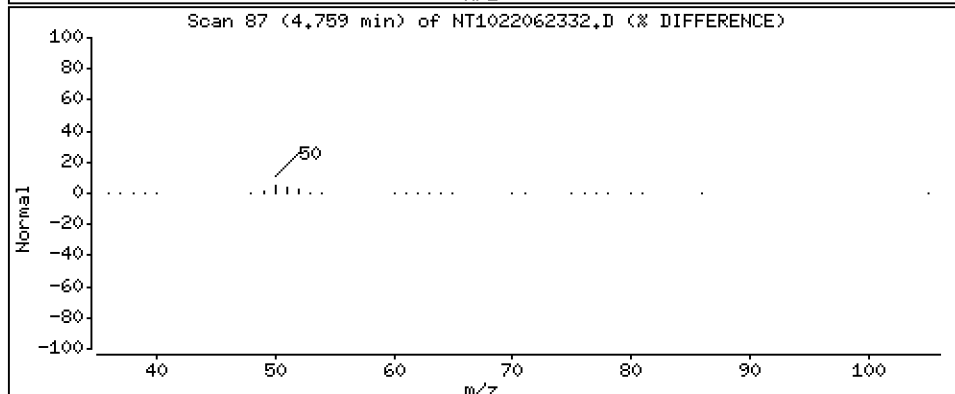
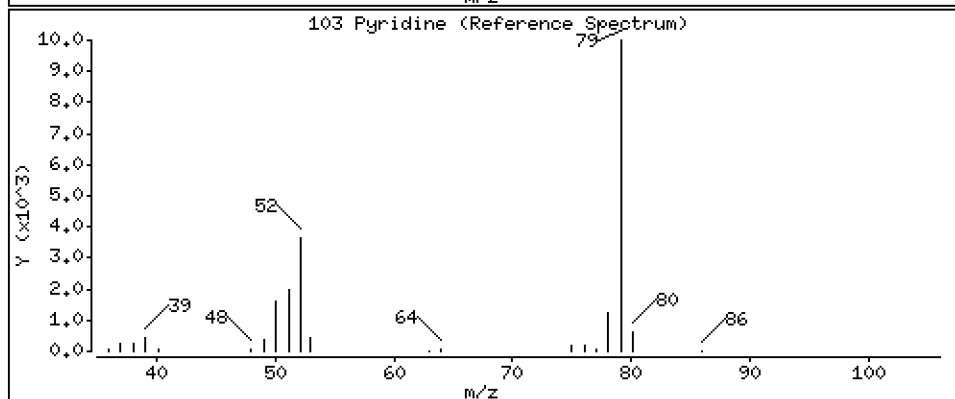
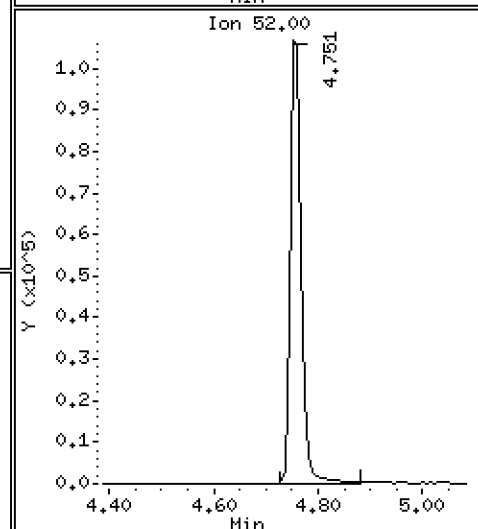
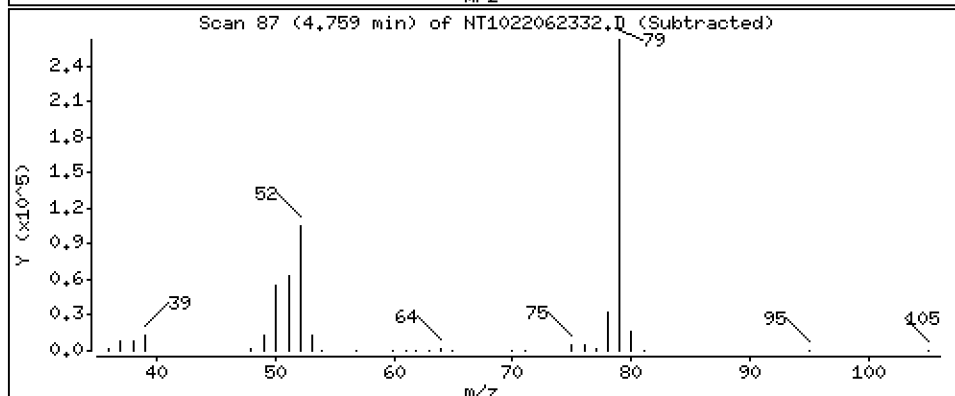
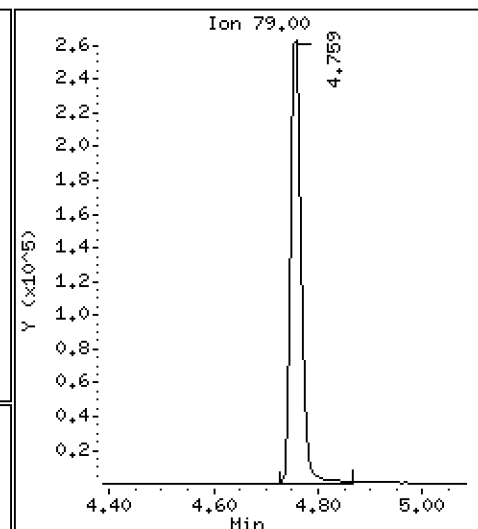
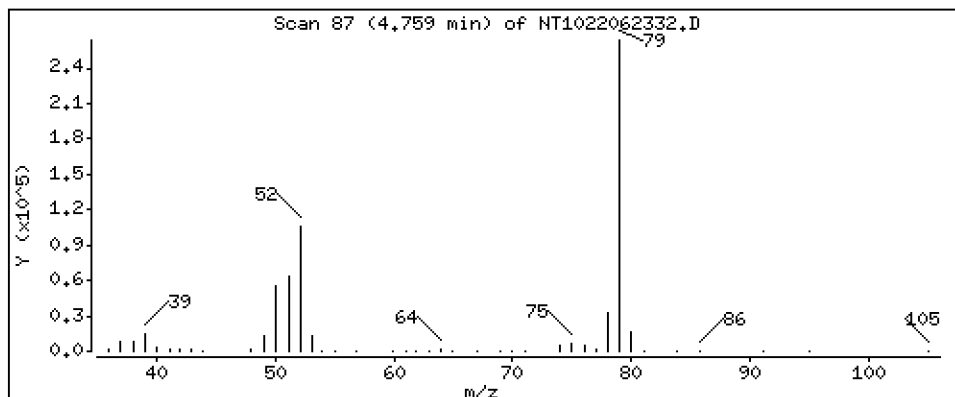
Operator: VTS

Column phase: ZB-5msi

Column diameter: 0,25

103 Pyridine

Concentration: 3,775 ug/mL



Date : 24-JUN-2022 04:54

Client ID:

Instrument: nt10.i

Sample Info: SKF0270-CCV1

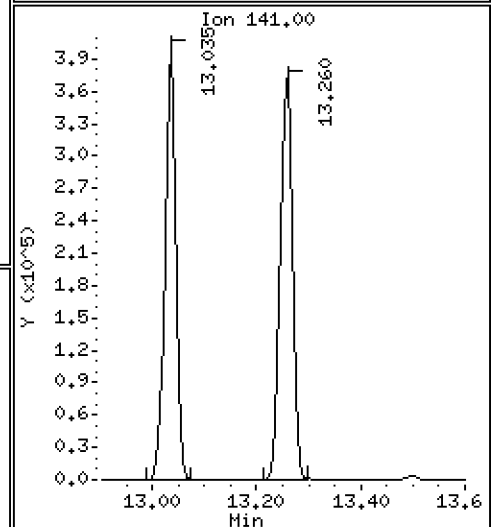
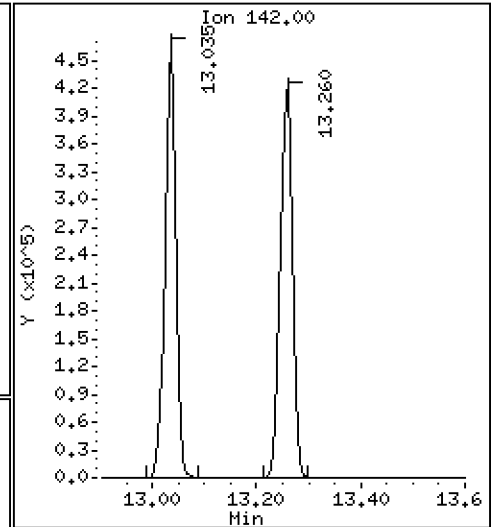
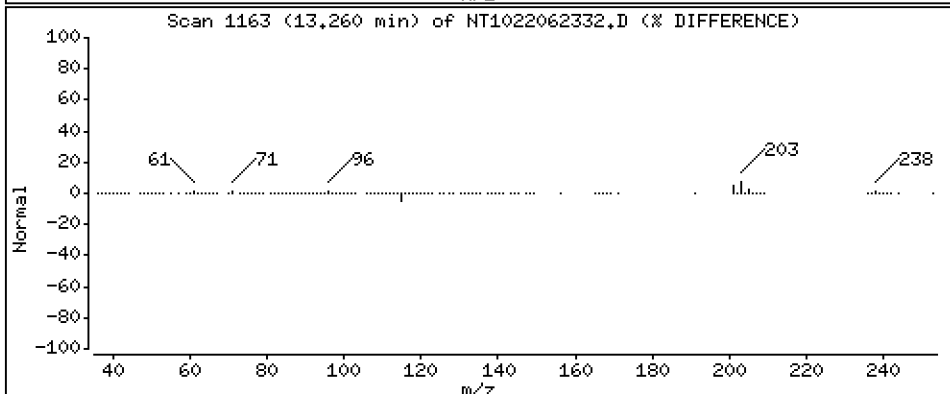
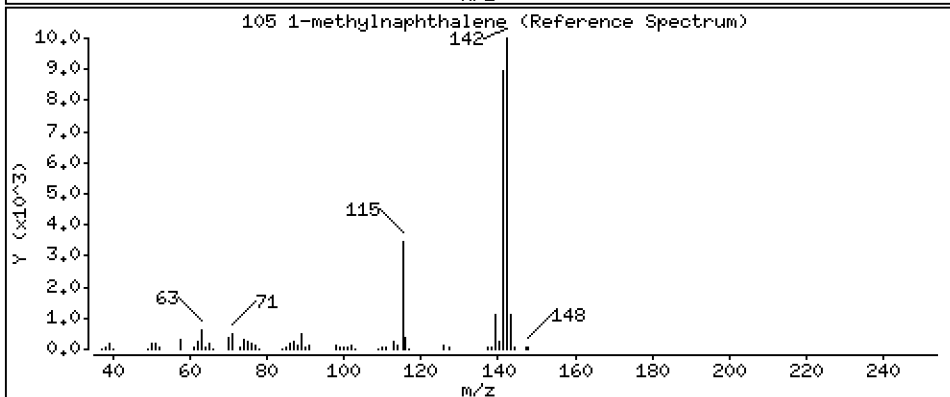
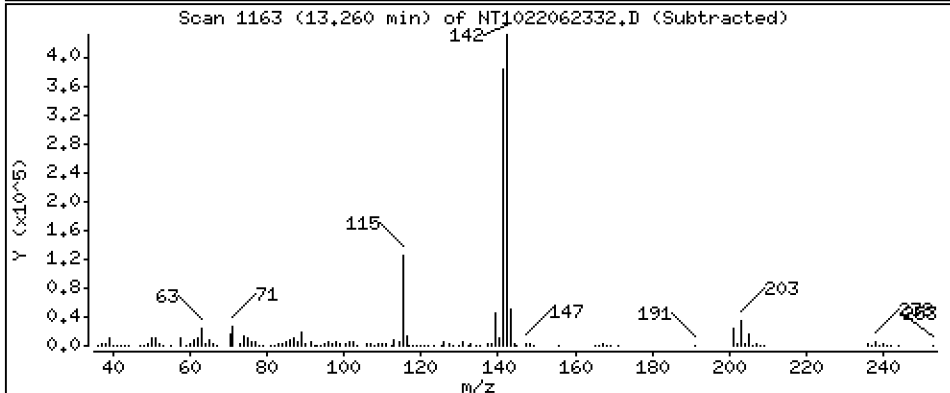
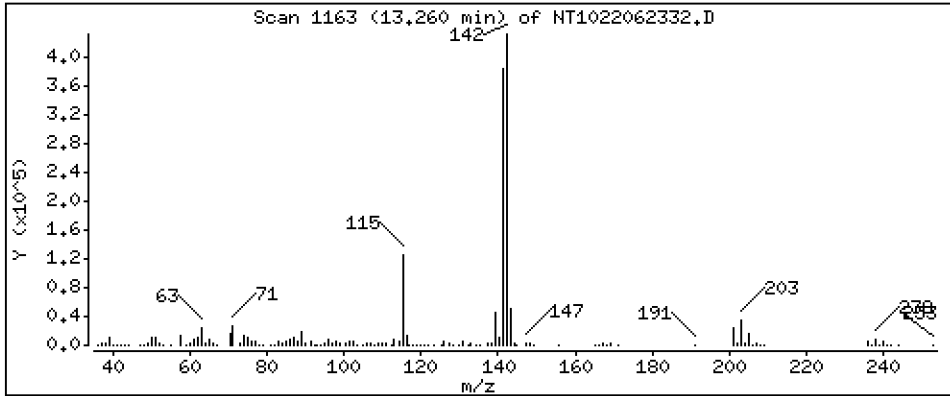
Operator: VTS

Column phase: ZB-5msi

Column diameter: 0,25

105 1-methylnaphthalene

Concentration: 5,288 ug/mL



Date : 24-JUN-2022 04:54

Client ID:

Instrument: nt10.i

Sample Info: SKF0270-CCV1

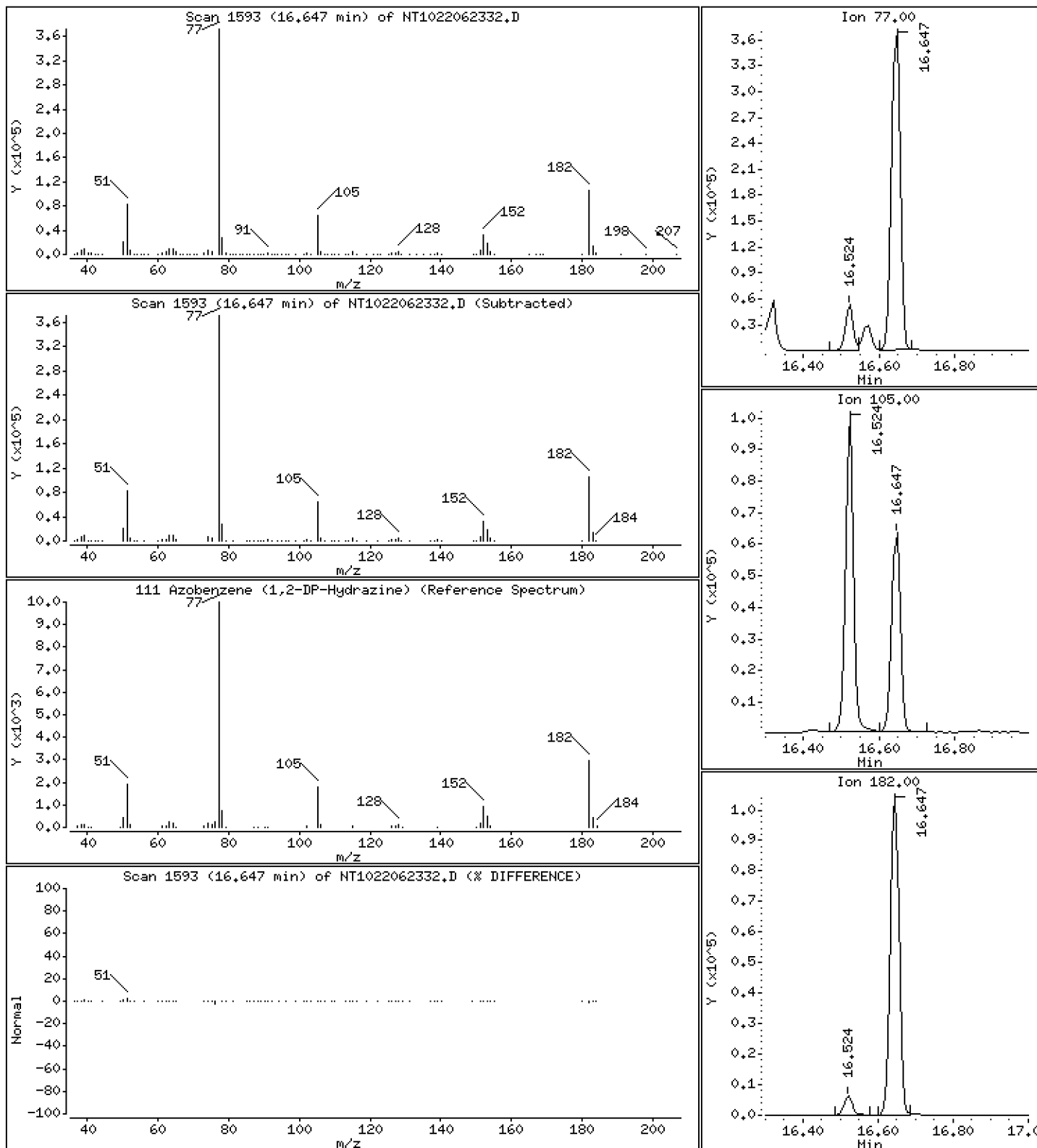
Operator: VTS

Column phase: ZB-5msi

Column diameter: 0,25

111 Azobenzene (1,2-DP-Hydrazine)

Concentration: 4,933 ug/mL



Date : 24-JUN-2022 04:54

Client ID:

Instrument: nt10.i

Sample Info: SKF0270-CCV1

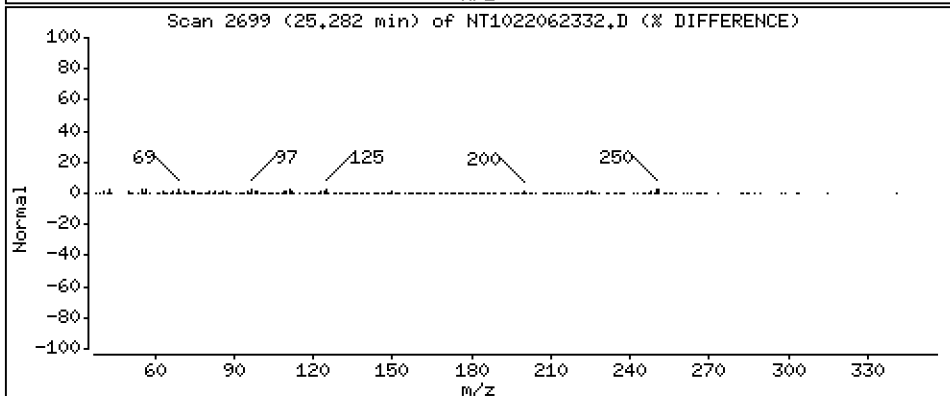
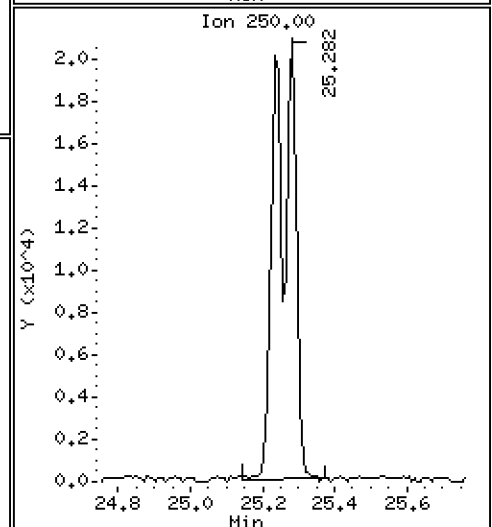
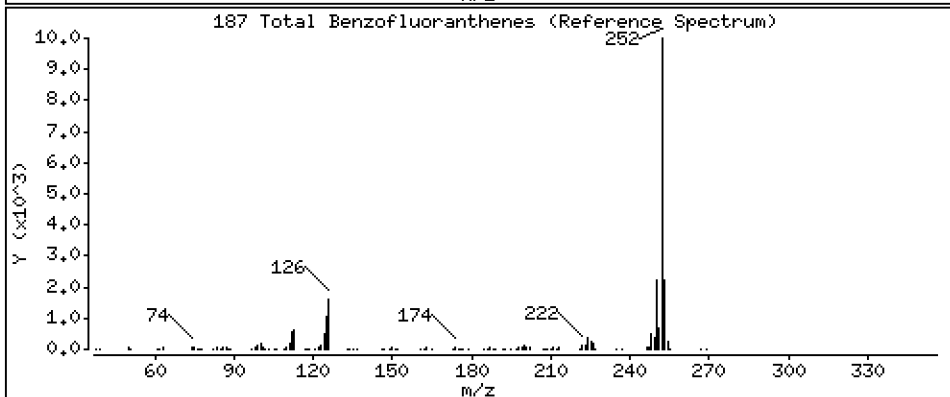
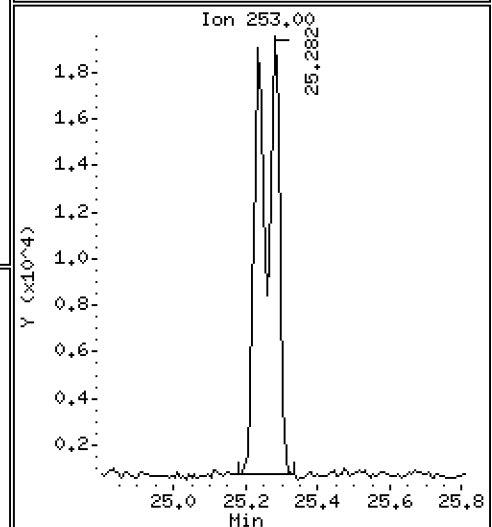
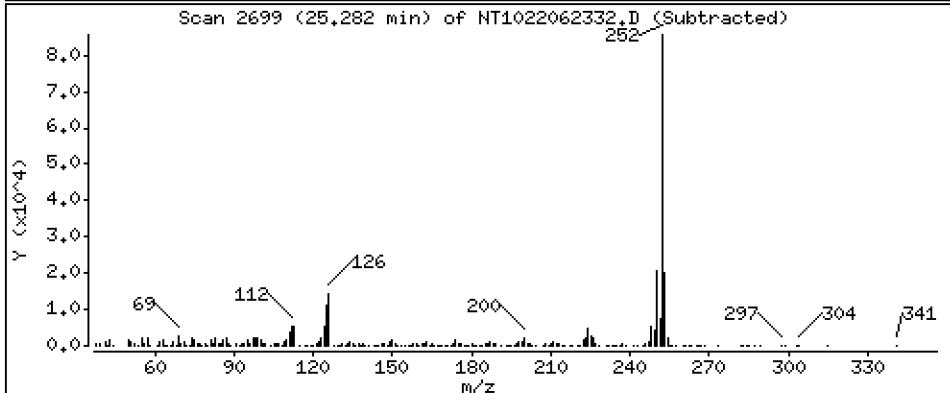
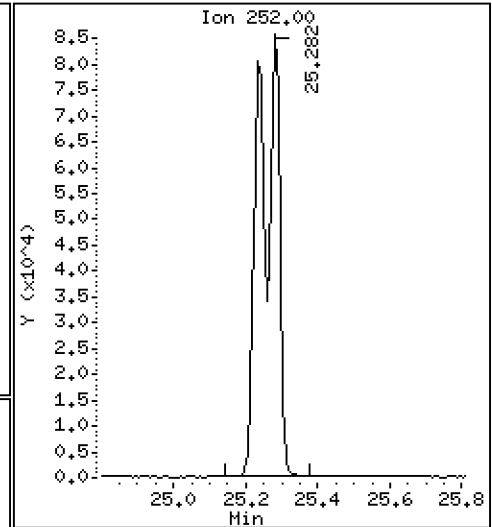
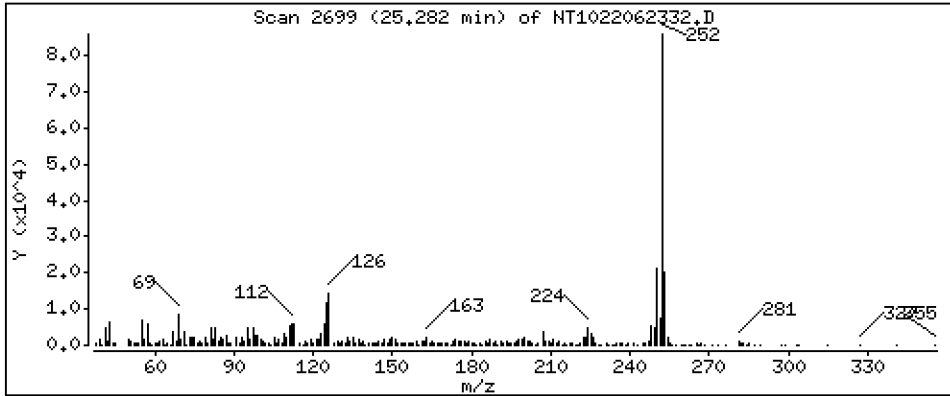
Operator: VTS

Column phase: ZB-5msi

Column diameter: 0,25

187 Total Benzofluoranthenes

Concentration: 8,577 ug/mL



Date : 24-JUN-2022 04:54

Client ID:

Instrument: nt10.i

Sample Info: SKF0270-CCV1

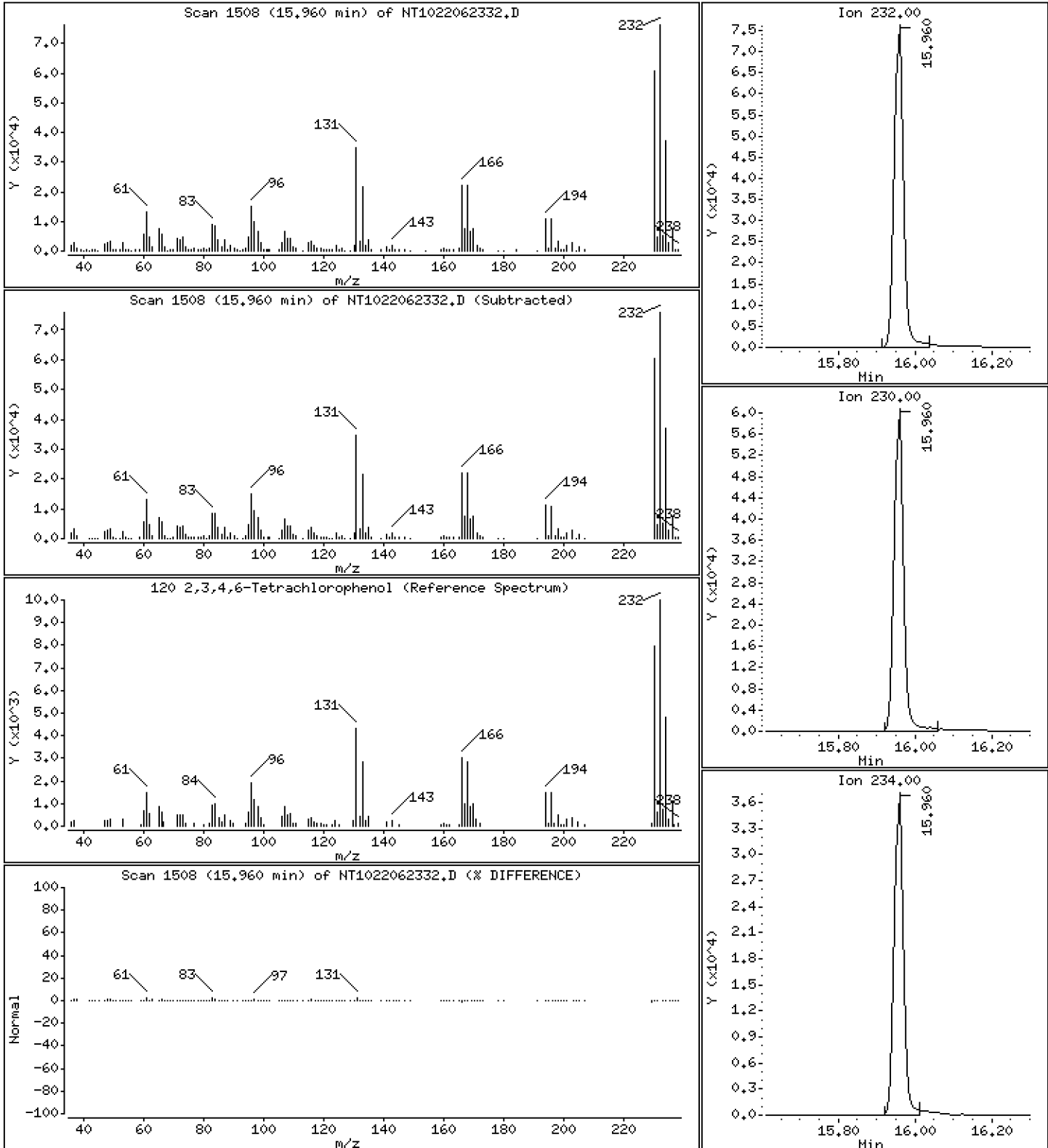
Operator: VTS

Column phase: ZB-5msi

Column diameter: 0,25

120 2,3,4,6-Tetrachlorophenol

Concentration: 4,881 ug/mL



ARI Labs, Inc.

Semivolatile Report SW846 Method 8270D

Data file : \\target\share\chem3\nt10.i\20220623.b\NT1022062332.D
 Lab Smp Id: SKF0270-CCV1
 Inj Date : 24-JUN-2022 04:54
 Operator : VTS
 Smp Info : SKF0270-CCV1
 Misc Info :
 Comment : 1ul Injection
 Method : \\target\share\chem3\nt10.i\20220623.b\ABN.m
 Meth Date : 24-Jun-2022 14:05 yev
 Cal Date : 23-JUN-2022 13:07
 Als bottle: 2
 Dil Factor: 1.00000
 Integrator: HP RTE
 Target Version: 4.14
 Processing Host: ORGDATA102

Inst ID: nt10.i

Quant Type: ISTD
 Cal File: NT1022062308.D

Compound Sublist: ICAL.sub

Compounds	QUANT	SIG	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS	
							ON-COLUMN	FINAL
	MASS						(ug/mL)	(ug/mL)
\$ 1 2-Fluorophenol	112		6.906	6.891	(0.758)	427255	7.54576	7.546
\$ 2 Phenol-d5	99		8.490	8.475	(0.932)	671359	7.99099	7.991
3 Phenol	94		8.513	8.498	(0.935)	368088	5.02792	5.028
\$ 5 2-Chlorophenol-d4	132		8.752	8.745	(0.961)	434394	7.52925	7.529
4 Bis(2-Chloroethyl)ether	93		8.652	8.645	(0.950)	255834	4.85570	4.856
6 2-Chlorophenol	128		8.783	8.776	(0.964)	290101	4.97050	4.971
7 1,3-Dichlorobenzene	146		9.046	9.039	(0.993)	308487	4.88680	4.887
* 8 1,4-Dichlorobenzene-d4	152		9.109	9.101	(1.000)	155063	4.00000	
9 1,4-Dichlorobenzene	146		9.140	9.132	(1.003)	254196	5.10844	5.108
\$ 10 1,2-Dichlorobenzene-d4	152		9.465	9.466	(1.039)	179375	5.04554	5.046
12 1,2-Dichlorobenzene	146		9.497	9.489	(1.043)	263992	4.99754	4.998
11 Benzyl alcohol	108		9.380	9.373	(1.030)	174199	5.97321	5.973
14 2,2'-oxybis(1-Chloropropane)	121		9.675	9.676	(1.062)	61695	4.93859	4.939
13 2-Methylphenol	108		9.613	9.606	(1.055)	234771	5.20122	5.201
17 Hexachloroethane	117		10.086	10.079	(1.107)	99782	4.49842	4.498
16 N-Nitroso-di-n-propylamine	70		9.931	9.924	(1.090)	153825	4.90016	4.900
15 4-Methylphenol	108		9.885	9.877	(1.085)	248105	5.14334	5.143
\$ 18 Nitrobenzene-d5	82		10.195	10.196	(0.879)	275918	5.14065	5.141
19 Nitrobenzene	77		10.234	10.227	(0.883)	276636	5.11363	5.114
20 Isophorone	82		10.684	10.677	(0.921)	424001	5.41794	5.418
21 2-Nitrophenol	139		10.868	10.859	(0.937)	179501	5.25320	5.253
22 2,4-Dimethylphenol	107		10.927	10.919	(0.942)	401482	9.67208	9.672
23 Bis(2-Chloroethoxy)methane	93		11.114	11.106	(0.958)	219771	4.67421	4.674
24 Benzoic acid	105		11.156	11.140	(0.962)	480269	21.5689	21.57
25 2,4-Dichlorophenol	162		11.334	11.326	(0.977)	435741	10.3288	10.33
26 1,2,4-Trichlorobenzene	180		11.511	11.504	(0.993)	206635	4.56320	4.563
* 27 Naphthalene-d8	136		11.596	11.589	(1.000)	504423	4.00000	
28 Naphthalene	128		11.635	11.635	(1.003)	668780	5.18042	5.180
29 4-Chloroaniline	127		11.766	11.758	(1.015)	647517	11.3593	11.36
30 Hexachlorobutadiene	225		11.990	11.990	(1.034)	108683	5.03100	5.031
31 4-Chloro-3-methylphenol	107		12.748	12.741	(1.099)	506855	9.93873	9.939
32 2-Methylnaphthalene	142		13.035	13.035	(1.124)	684217	5.33275	5.333
33 Hexachlorocyclopentadiene	237		13.499	13.499	(0.887)	32285	1.95899	1.959

Compounds	QUANT SIG				CONCENTRATIONS		
	MASS	RT	EXP RT	REL RT	RESPONSE	ON-COLUMN (ug/mL)	FINAL (ug/mL)
34 2,4,6-Trichlorophenol	196	13.661	13.662	(0.898)	374322	11.5109	11.51
35 2,4,5-Trichlorophenol	196	13.747	13.739	(0.903)	407853	10.5442	10.54
§ 36 2-Fluorobiphenyl	172	13.816	13.817	(0.908)	668635	5.16399	5.164
37 2-Chloronaphthalene	162	14.025	14.033	(0.922)	592638	5.19203	5.192
38 2-Nitroaniline	65	14.288	14.289	(0.939)	332082	10.8764	10.88
39 Dimethylphthalate	163	14.714	14.714	(0.967)	487157	4.85503	4.855
40 Acenaphthylene	152	14.900	14.908	(0.979)	799729	4.78145	4.781
41 2,6-Dinitrotoluene	165	14.861	14.862	(0.977)	239567	10.2801	10.28
* 42 Acenaphthene-d10	164	15.217	15.217	(1.000)	286127	4.00000	
43 3-Nitroaniline	138	15.147	15.148	(0.995)	285385	10.4027	10.40
44 Acenaphthene	153	15.287	15.287	(1.005)	438393	5.26829	5.268
45 2,4-Dinitrophenol	184	15.364	15.364	(1.010)	197336	18.2860	18.29
46 Dibenzofuran	168	15.611	15.619	(1.026)	706688	5.34375	5.344
47 4-Nitrophenol	109	15.503	15.488	(1.019)	98667	10.7623	10.76
48 2,4-Dinitrotoluene	165	15.673	15.673	(1.030)	339229	10.8912	10.89
50 Diethylphthalate	149	16.176	16.184	(1.063)	444485	5.16390	5.164
49 Fluorene	166	16.323	16.331	(1.073)	589743	3.73210	3.732
51 4-Chlorophenyl-phenylether	204	16.323	16.323	(1.073)	157765	2.27349	2.273
52 4-Nitroaniline	138	16.423	16.423	(1.079)	300680	10.9428	10.94
53 4,6-Dinitro-2-methylphenol	198	16.523	16.523	(0.904)	360651	22.5288	22.53
54 N-Nitrosodiphenylamine	169	16.569	16.570	(0.907)	374476	5.80299	5.803
§ 55 2,4,6-Tribromophenol	330	16.862	16.870	(1.108)	92486	7.09733	7.097
56 4-Bromophenyl-phenylether	248	17.325	17.333	(0.948)	169514	5.66961	5.670
57 Hexachlorobenzene	284	17.642	17.650	(0.966)	148986	5.47942	5.479
58 Pentachlorophenol	266	18.006	18.014	(0.986)	71936	11.1121	11.11
* 59 Phenanthrene-d10	188	18.269	18.277	(1.000)	410398	4.00000	
60 Phenanthrene	178	18.315	18.323	(1.003)	555319	5.15045	5.150
61 Anthracene	178	18.408	18.416	(1.008)	585731	5.09780	5.098
62 Carbazole	167	18.741	18.749	(1.026)	510499	4.81602	4.816
63 Di-n-butylphthalate	149	19.538	19.554	(1.069)	704833	4.30584	4.306
64 Fluoranthene	202	20.714	20.722	(0.888)	398767	4.73521	4.735
65 Pyrene	202	21.139	21.147	(0.906)	349845	4.73006	4.730
§ 66 Terphenyl-d14	244	21.426	21.441	(0.918)	195115	4.84221	4.842
67 Butylbenzylphthalate	149	22.355	22.371	(0.958)	145522	6.23852	6.239
68 Benzo(a)anthracene	228	23.315	23.331	(0.999)	221668	4.53045	4.530
* 69 Chrysene-d12	240	23.338	23.354	(1.000)	115467	4.00000	
70 3,3'-Dichlorobenzidine	252	23.268	23.284	(0.997)	203880	12.7874	12.79
71 Chrysene	228	23.392	23.400	(1.002)	184277	5.36803	5.368
72 bis(2-Ethylhexyl)phthalate	149	23.392	23.416	(0.959)	173512	6.30374	6.304
* 134 Di-n-octylphthalate-d4	153	24.399	24.422	(1.000)	249026	4.00000	
73 Di-n-octylphthalate	149	24.406	24.430	(1.000)	299252	5.28703	5.287
74 Benzo(b)fluoranthene	252	25.235	25.258	(0.970)	166199	4.12513	4.125
75 Benzo(k)fluoranthene	252	25.281	25.305	(0.971)	171756	4.43337	4.433
76 Benzo(a)pyrene	252	25.908	25.932	(0.996)	147498	4.47306	4.473
* 77 Perylene-d12	264	26.025	26.048	(1.000)	88962	4.00000	
78 Indeno(1,2,3-cd)pyrene	276	28.775	28.814	(1.106)	139658	3.96671	3.967
79 Dibenzo(a,h)anthracene	278	28.783	28.830	(1.106)	115927	4.30114	4.301
80 Benzo(g,h,i)perylene	276	29.591	29.630	(1.137)	94518	3.35840	3.358
90 N-Nitrosodimethylamine	74	4.735	4.720	(0.520)	300244	8.10448	8.104
91 Aniline	93	8.567	8.560	(0.941)	713026	9.73819	9.738
93 Benzidine	184	20.946	20.954	(0.897)	98446	5.77918	5.779
103 Pyridine	79	4.758	4.736	(0.522)	396483	3.77540	3.775
105 1-methylnaphthalene	142	13.259	13.252	(1.143)	666601	5.28823	5.288
111 Azobenzene (1,2-DP-Hydrazine)	77	16.646	16.647	(1.094)	563668	4.93258	4.933

Compounds	QUANT SIG	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS	
						ON-COLUMN (ug/mL)	FINAL (ug/mL)
187 Total Benzofluoranthenes	252	25.281	25.305	(0.971)	322196	8.57691	8.577
120 2,3,4,6-Tetrachlorophenol	232	15.959	15.959	(1.049)	121772	4.88055	4.881

ARI Labs, Inc.

INTERNAL STANDARD COMPOUNDS
 AREA AND RT SUMMARY

Instrument ID: nt10.i Calibration Date: 23-JUN-2022
 Lab File ID: NT1022062332.D Calibration Time: 16:38
 Lab Smp Id: SKF0270-CCV1
 Analysis Type: SV Level:
 Quant Type: ISTD Sample Type:
 Operator: VTS
 Method File: \\target\share\chem3\nt10.i\20220623.b\ABN.m
 Misc Info:

Test Mode:
 Use Last Continuing Calibrator.

COMPOUND	STANDARD	AREA LIMIT		SAMPLE	%DIFF
		LOWER	UPPER		
8 1,4-Dichlorobenze	149714	74857	299428	155063	3.57
27 Naphthalene-d8	491315	245658	982630	504423	2.67
42 Acenaphthene-d10	286589	143295	573178	286127	-0.16
59 Phenanthrene-d10	498820	249410	997640	410398	-17.73
69 Chrysene-d12	311295	155648	622590	115467	-62.91 <-
134 Di-n-octylphthala	577982	288991	1155964	249026	-56.91 <-
77 Perylene-d12	218550	109275	437100	88962	-59.29 <-

COMPOUND	STANDARD	RT LIMIT		SAMPLE	%DIFF
		LOWER	UPPER		
8 1,4-Dichlorobenze	9.10	8.60	9.60	9.11	0.08
27 Naphthalene-d8	11.59	11.09	12.09	11.60	0.06
42 Acenaphthene-d10	15.22	14.72	15.72	15.22	-0.00
59 Phenanthrene-d10	18.28	17.78	18.78	18.27	-0.04
69 Chrysene-d12	23.35	22.85	23.85	23.34	-0.07
134 Di-n-octylphthala	24.42	23.92	24.92	24.40	-0.10
77 Perylene-d12	26.05	25.55	26.55	26.03	-0.09

AREA UPPER LIMIT = +100% of internal standard area.
 AREA LOWER LIMIT = - 50% of internal standard area.
 RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
 RT LOWER LIMIT = - 0.50 minutes of internal standard RT.

REVIEW SUMMARY FOR FILE - NT1022062332.D

Lab ID: SKF0270-CCV1
nt10.i, ABN.m, 24-JUN-2022 04:54

RT CO-ELUTION COMPOUNDS

NO CO-ELUTIONS

Quant Method: ICAL

RRT CHECK

RRT	CCV	RRT	DELTA	COMPOUND
-----	-----	-----	-------	----------

NONE

RRT check based on Ccal File: NT1022062313.D

On Column LOD for nt10.i, ABN.m, ICAL.sub = 0.0000

* Only compounds listed in the work order have been verified by the analyst *



**SECOND-SOURCE
CONTINUING CALIBRATION CHECK
EPA 8270E**

Laboratory: Analytical Resources, LLC

SDG: 22F0267

Client: GeoEngineers

Project: RG Haley Site-Bellingham

Instrument ID: NT10

Calibration: FF00062

Lab File ID: NT1022062311.D

Calibration Date: 06/23/2022

Sequence: SKF0270

Injection Date: 06/23/22

Lab Sample ID: SKF0270-SCV1

Injection Time: 15:20

Sequence Name: SCV 5.0

COMPOUND	TYPE	CONC. (ug/mL)		RESPONSE FACTOR (RRF)			% DRIFT/DIFF	
		STD	CCV	ICAL	CCV	MIN	CCV	LIMIT
Phenol	A	5.0000	5.1	1.8884920	1.9393230		2.7	+/-20
bis(2-chloroethyl) ether	A	5.0000	5.8	1.3591220	1.5744080		15.8	+/-20
2-Chlorophenol	A	5.0000	5.2	1.5055700	1.5654720		4.0	+/-20
1,3-Dichlorobenzene	A	5.0000	5.0	1.6284120	1.6328710		0.3	+/-20
1,4-Dichlorobenzene	A	5.0000	5.3	1.2836070	1.3597700		5.9	+/-20
1,2-Dichlorobenzene	A	5.0000	5.1	1.3626570	1.3864860		1.7	+/-20
Benzyl Alcohol	A	5.0000	5.5	0.7522971	0.8246505		9.6	+/-20
2,2'-Oxybis(1-chloropropane)	A	5.0000	7.1	0.3222545	0.4552230		41.3	+/-20 *
2-Methylphenol	A	5.0000	4.4	1.1643690	1.0343570		-11.2	+/-20
Hexachloroethane	A	5.0000	5.3	0.5721944	0.6060907		5.9	+/-20
N-Nitroso-di-n-Propylamine	A	5.0000	5.1	0.8097827	0.8285358		2.3	+/-20
4-Methylphenol	A	5.0000	4.6	1.2443490	1.1428940		-8.2	+/-20
Nitrobenzene	A	5.0000	5.1	0.4289874	0.4408691		2.8	+/-20
Isophorone	A	5.0000	7.4	0.6205796	0.9199261		48.2	+/-20 *
2-Nitrophenol	A	5.0000	5.1	0.2709617	0.2778991		2.6	+/-20
2,4-Dimethylphenol	A	5.0000	4.7	0.3291631	0.3117705		-5.3	+/-20
Bis(2-Chloroethoxy)methane	A	5.0000	5.7	0.3728438	0.4276634		14.7	+/-20
2,4-Dichlorophenol	A	5.0000	5.5	0.3345374	0.3709848		10.9	+/-20
1,2,4-Trichlorobenzene	A	5.0000	4.9	0.3494981	0.3510726		-2.2	+/-20
Naphthalene	A	5.0000	4.9	1.0237250	1.0128380		-1.1	+/-20
Benzoic acid	A	10.0000	6.6	0.1354719	0.1135757		-33.8	+/-20 *
4-Chloroaniline	A	5.0000	4.6	0.4520265	0.4200531		-7.1	+/-20
Hexachlorobutadiene	A	5.0000	5.3	0.1713061	0.1829250		6.8	+/-20
4-Chloro-3-Methylphenol	A	5.0000	4.9	0.3652577	0.3870998		-2.9	+/-20
2-Methylnaphthalene	A	5.0000	5.2	1.0174370	1.0609290		4.3	+/-20
Hexachlorocyclopentadiene	A	5.0000	3.3	0.1773971	0.1544752		-33.5	+/-20 *
2,4,6-Trichlorophenol	A	5.0000	5.2	0.4546098	0.4766452		4.8	+/-20
2,4,5-Trichlorophenol	A	5.0000	4.4	0.4787210	0.4816381		-11.5	+/-20
2-Chloronaphthalene	A	5.0000	5.5	1.5957070	1.7432630		9.2	+/-20
2-Nitroaniline	A	5.0000	5.3	0.4268379	0.4560520		6.8	+/-20
Acenaphthylene	A	5.0000	4.5	2.3382150	2.0933440		-10.5	+/-20
Dimethylphthalate	A	5.0000	5.0	1.4027420	1.3952980		-0.5	+/-20
2,6-Dinitrotoluene	A	5.0000	5.3	0.3257863	0.3424649		5.1	+/-20
Acenaphthene	A	5.0000	4.9	1.1633080	1.1492060		-1.2	+/-20

* Values outside of QC limits



**SECOND-SOURCE
CONTINUING CALIBRATION CHECK
EPA 8270E**

Laboratory: Analytical Resources, LLC

SDG: 22F0267

Client: GeoEngineers

Project: RG Haley Site-Bellingham

Instrument ID: NT10

Calibration: FF00062

Lab File ID: NT1022062311.D

Calibration Date: 06/23/2022

Sequence: SKF0270

Injection Date: 06/23/22

Lab Sample ID: SKF0270-SCV1

Injection Time: 15:20

Sequence Name: SCV 5.0

COMPOUND	TYPE	CONC. (ug/mL)		RESPONSE FACTOR (RRF)			% DRIFT/DIFF	
		STD	CCV	ICAL	CCV	MIN	CCV	LIMIT
3-Nitroaniline	A	5.0000	5.4	0.3835195	0.4125686		7.6	+/-20
2,4-Dinitrophenol	A	5.0000	2.0	0.1087769	0.0586628		-59.5	+/-20 *
Dibenzofuran	A	5.0000	5.3	1.8487680	1.9746660		6.8	+/-20
4-Nitrophenol	A	5.0000	4.4	0.1044372	0.1120260		-11.3	+/-20
2,4-Dinitrotoluene	A	5.0000	5.3	0.4354293	0.4622604		6.2	+/-20
Fluorene	A	5.0000	4.6	2.2090760	2.0296210		-8.1	+/-20
4-Chlorophenylphenyl ether	A	5.0000	5.4	0.9701069	1.0489830		8.1	+/-20
Diethyl phthalate	A	5.0000	5.4	1.2033170	1.2929400		7.4	+/-20
4-Nitroaniline	A	5.0000	5.1	0.3841274	0.3913343		1.9	+/-20
4,6-Dinitro-2-methylphenol	A	5.0000	4.3	0.1197775	0.1352422		-13.7	+/-20
N-Nitrosodiphenylamine	A	5.0000	5.0	0.6289655	0.6267986		-0.3	+/-20
4-Bromophenyl phenyl ether	A	5.0000	5.5	0.2914116	0.3180082		9.1	+/-20
Hexachlorobenzene	A	5.0000	5.1	0.2851630	0.2720373		2.3	+/-20
Pentachlorophenol	A	5.0000	3.2	0.0462824	0.0393238		-35.2	+/-20 *
Phenanthrene	A	5.0000	4.9	1.0508770	1.0284350		-2.1	+/-20
Anthracene	A	5.0000	4.8	1.1198770	1.0813170		-3.4	+/-20
Carbazole	A	5.0000	5.6	1.0331450	1.1503950		11.3	+/-20
Di-n-Butylphthalate	A	5.0000	5.3	1.4847320	1.7139300		6.6	+/-20
Fluoranthene	A	5.0000	4.2	2.5859780	2.4351860		-16.2	+/-20
Pyrene	A	5.0000	4.6	2.4339860	2.3392170		-8.6	+/-20
Butylbenzylphthalate	A	5.0000	4.9	0.8080700	0.7854907		-2.8	+/-20
Benzo(a)anthracene	A	5.0000	4.9	1.6949770	1.6446550		-3.0	+/-20
3,3'-Dichlorobenzidine	A	10.000	11.8	0.5523250	0.6499649		17.7	+/-20
Chrysene	A	5.0000	4.7	1.1695310	1.1149910		-5.5	+/-20
bis(2-Ethylhexyl)phthalate	A	5.0000	5.1	0.4421262	0.4475114		1.2	+/-20
Di-n-Octylphthalate	A	5.0000	5.5	0.9091601	1.0004300		10.0	+/-20
Benzo(a)fluoranthene, Total	A	10.000	9.8	1.6890580	1.6606010		-1.7	+/-20
Benzo(a)pyrene	A	5.0000	4.9	1.4826420	1.4530540		-2.0	+/-20
Indeno(1,2,3-cd)pyrene	A	5.0000	4.8	1.5830350	1.5078500		-4.7	+/-20
Dibenzo(a,h)anthracene	A	5.0000	4.7	1.2118700	1.1331100		-6.5	+/-20
Benzo(g,h,i)perylene	A	5.0000	4.9	1.2654270	1.2430470		-1.8	+/-20
1-Methylnaphthalene	A	5.0000	5.2	0.9995882	1.0319840		3.2	+/-20

* Values outside of QC limits

Data File: \\target\share\chem3\nt10.1\20220623.1\NT1022062311.D

Date: 23-JUN-2022 15:20

Client ID:

Sample Info: SKF0270-SCW1

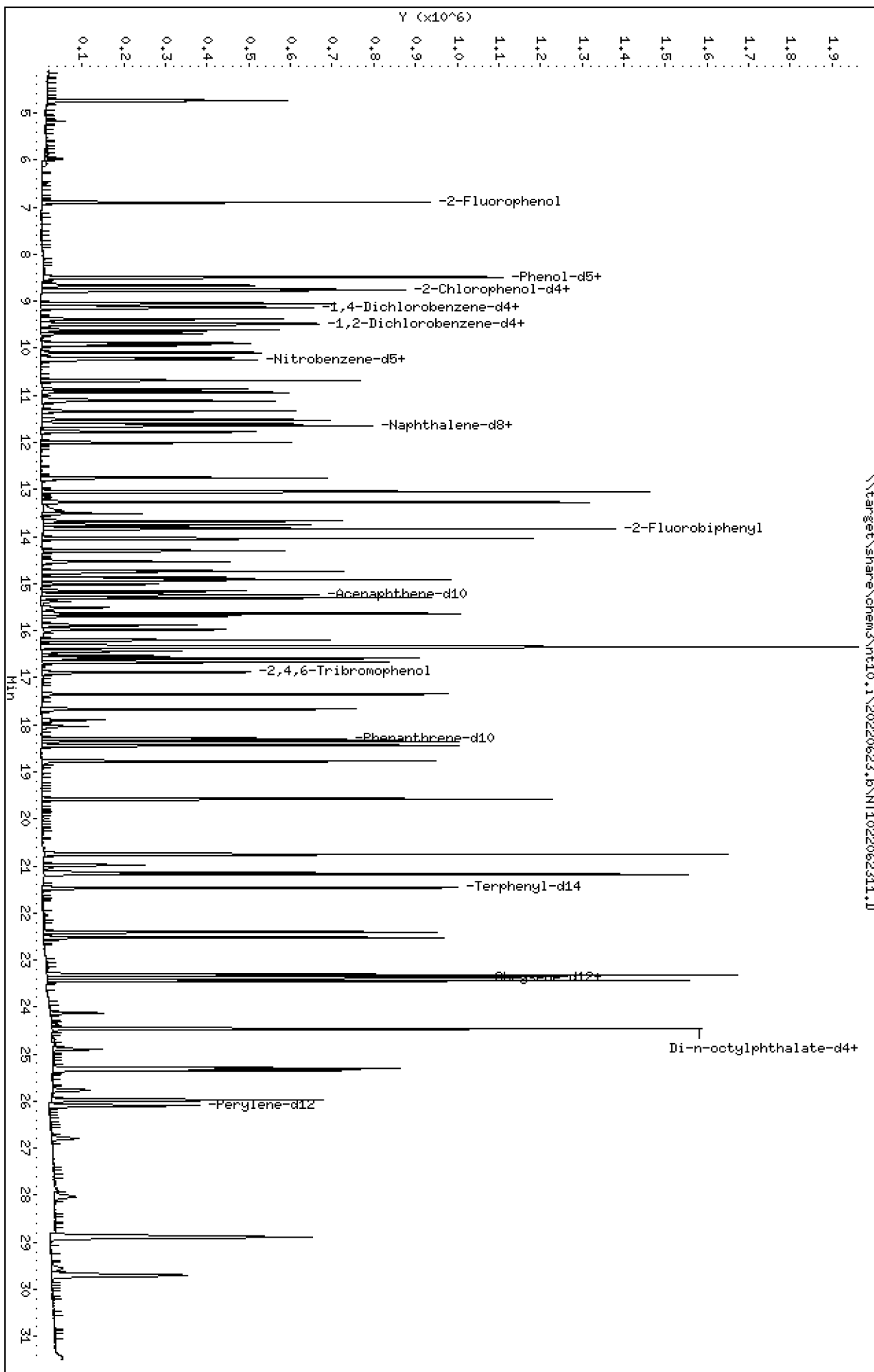
Column phase: ZB-5msi

Instrument: nt10.1

Operator: VTS

Column diameter: 0.25

Page 1



Date : 23-JUN-2022 15:20

Client ID:

Instrument: nt10.i

Sample Info: SKF0270-SCV1

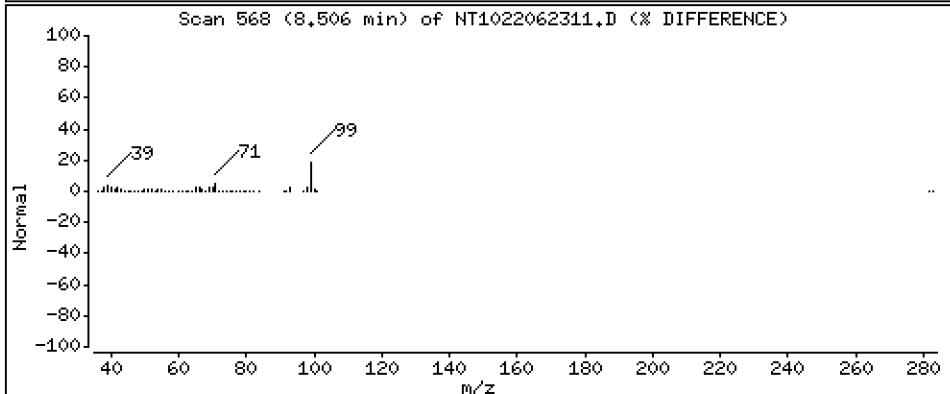
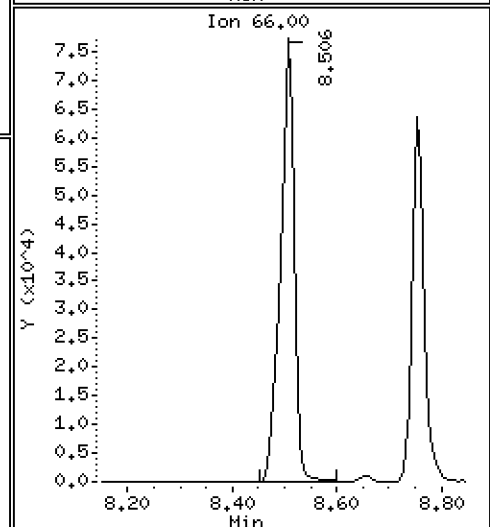
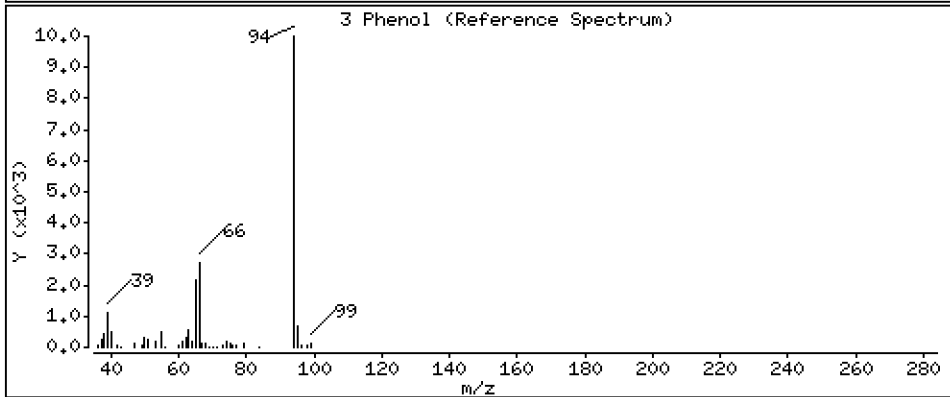
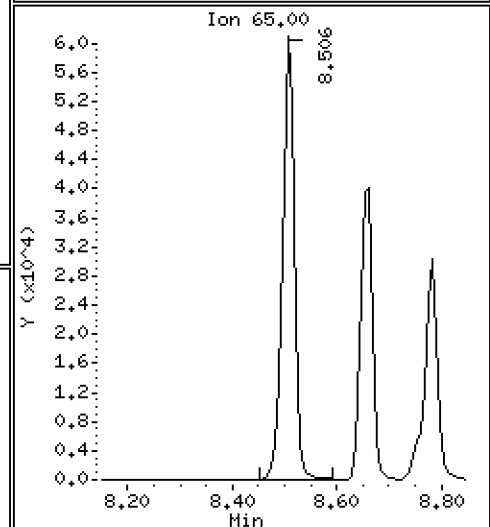
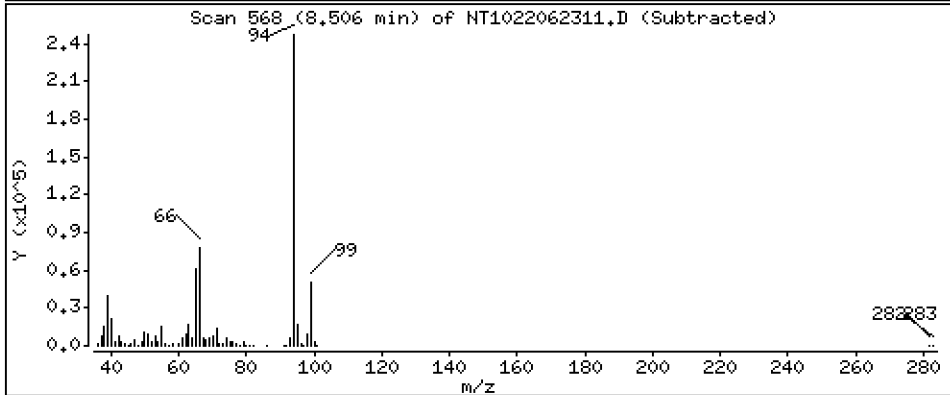
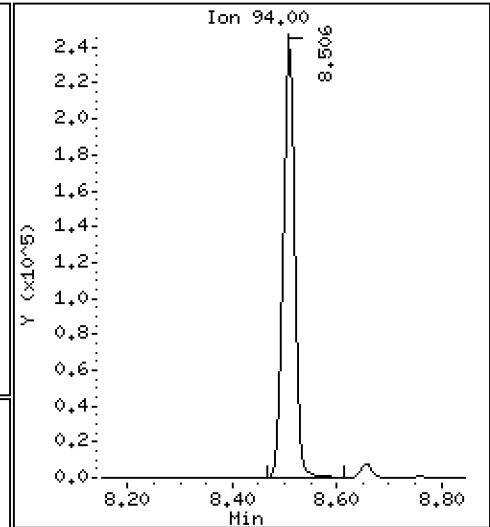
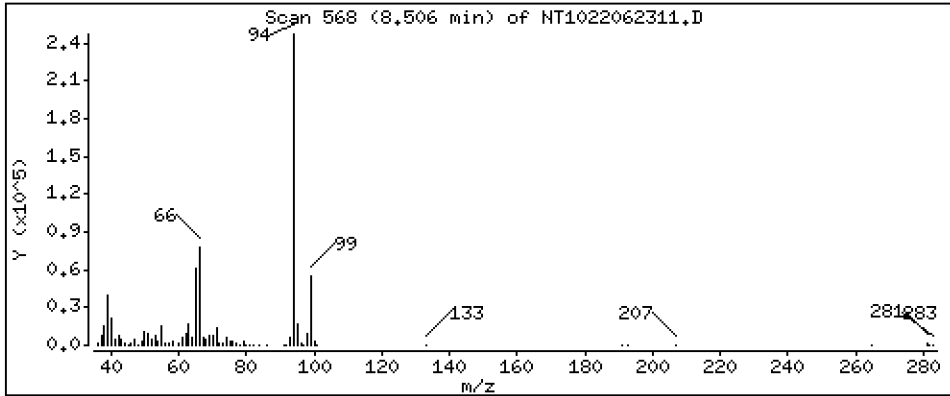
Operator: VTS

Column phase: ZB-5msi

Column diameter: 0,25

3 Phenol

Concentration: 5,135 ug/mL



Date : 23-JUN-2022 15:20

Client ID:

Instrument: nt10.i

Sample Info: SKF0270-SCV1

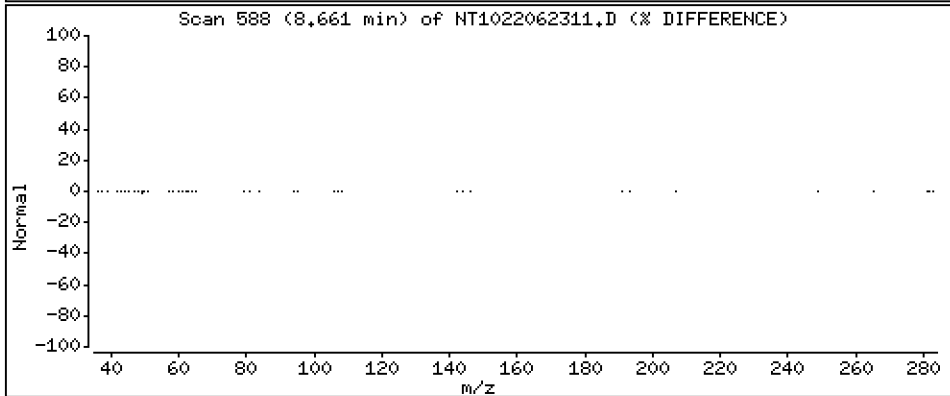
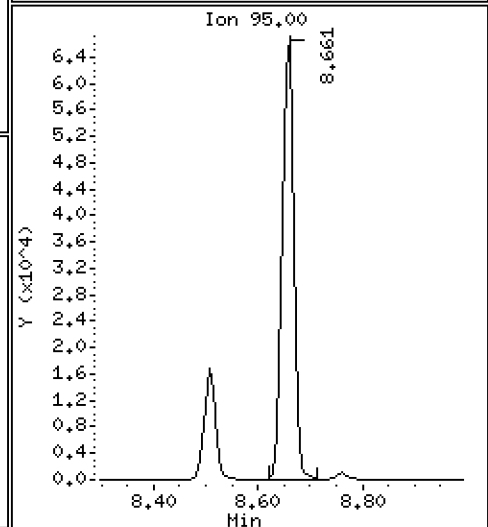
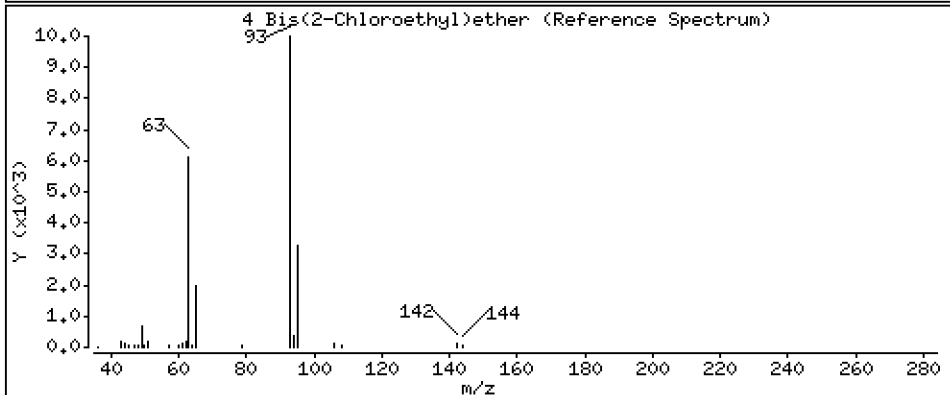
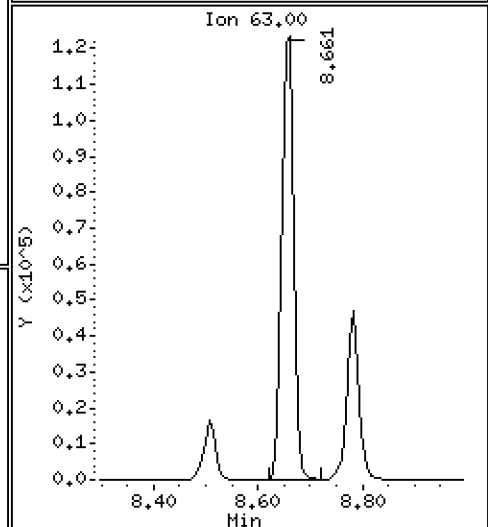
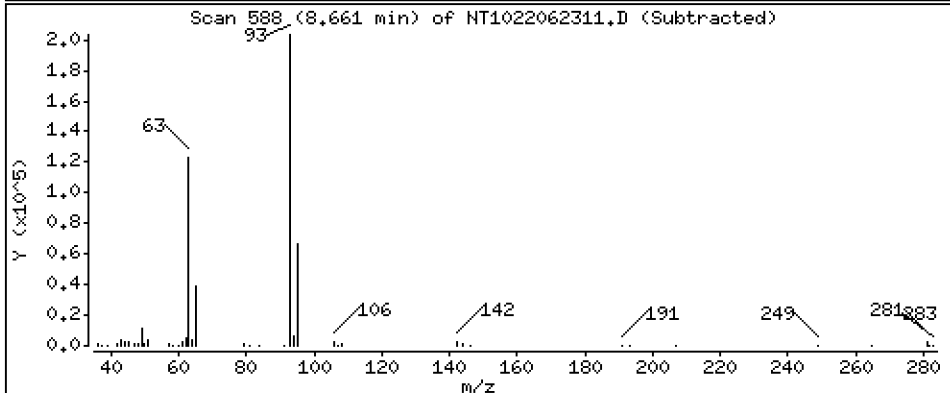
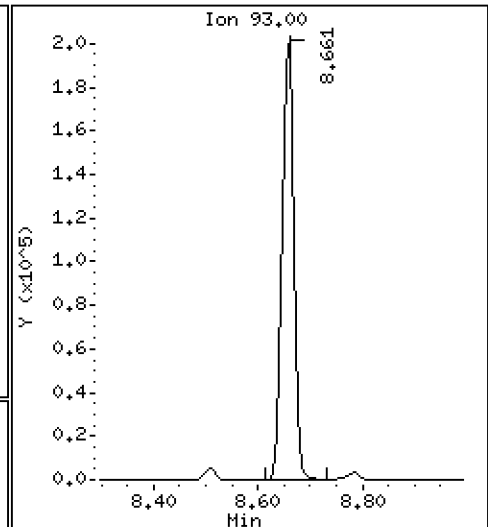
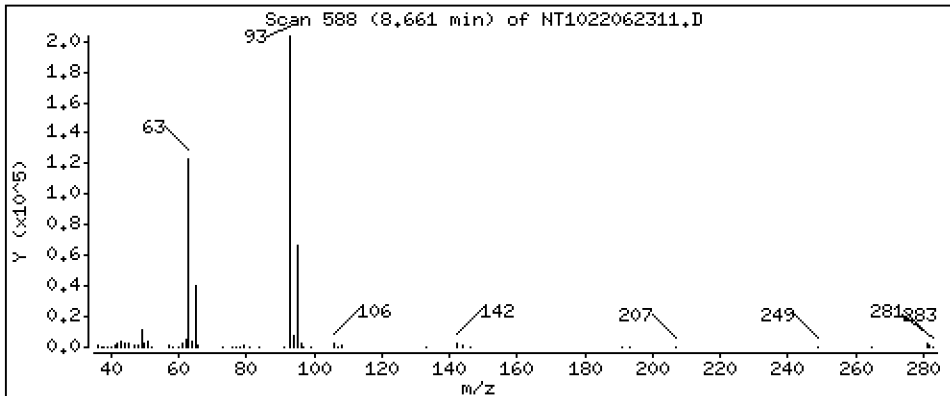
Operator: VTS

Column phase: ZB-5msi

Column diameter: 0,25

4 Bis(2-Chloroethyl)ether

Concentration: 5,792 ug/mL



Date : 23-JUN-2022 15:20

Client ID:

Instrument: nt10.i

Sample Info: SKF0270-SCV1

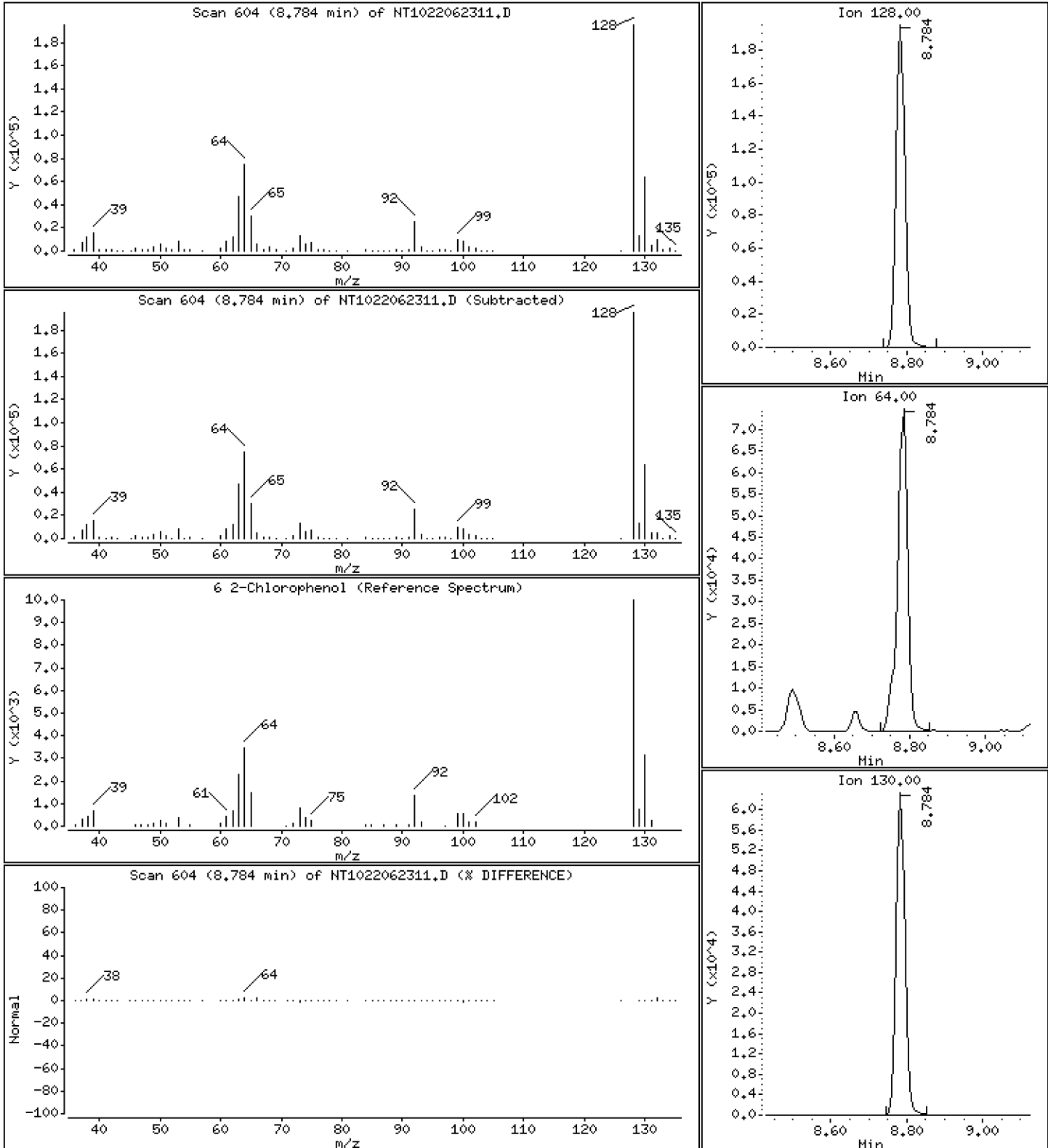
Operator: VTS

Column phase: ZB-5msi

Column diameter: 0,25

6 2-Chlorophenol

Concentration: 5,199 ug/mL



Date : 23-JUN-2022 15:20

Client ID:

Instrument: nt10.i

Sample Info: SKF0270-SCV1

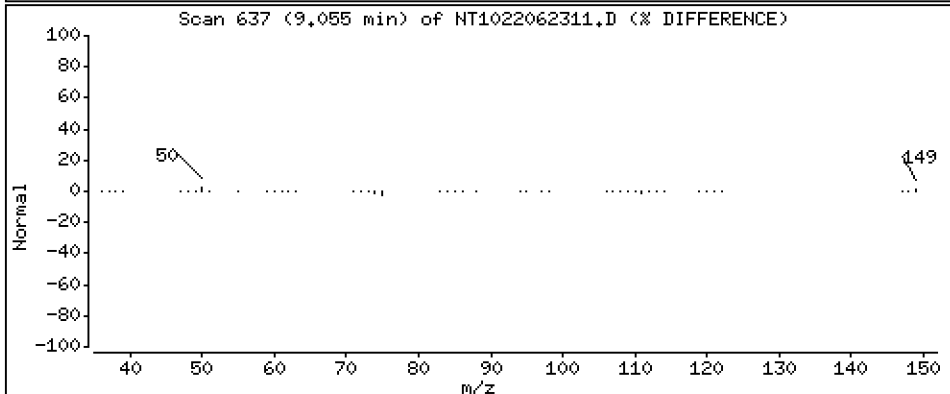
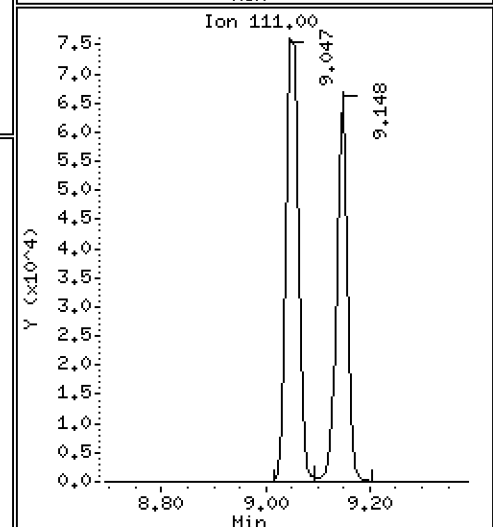
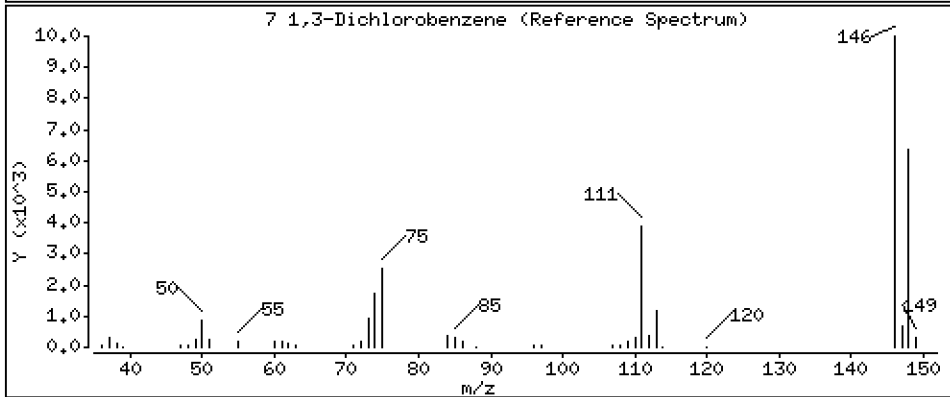
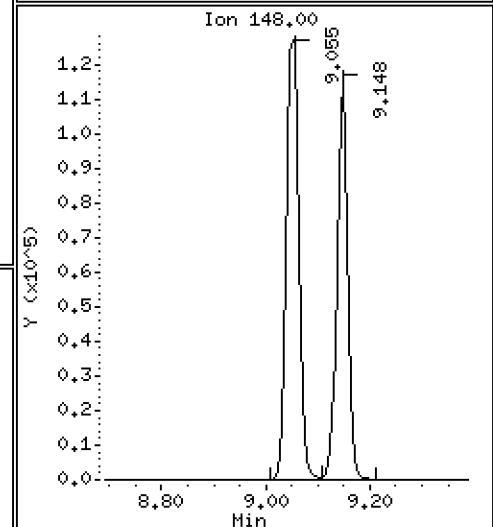
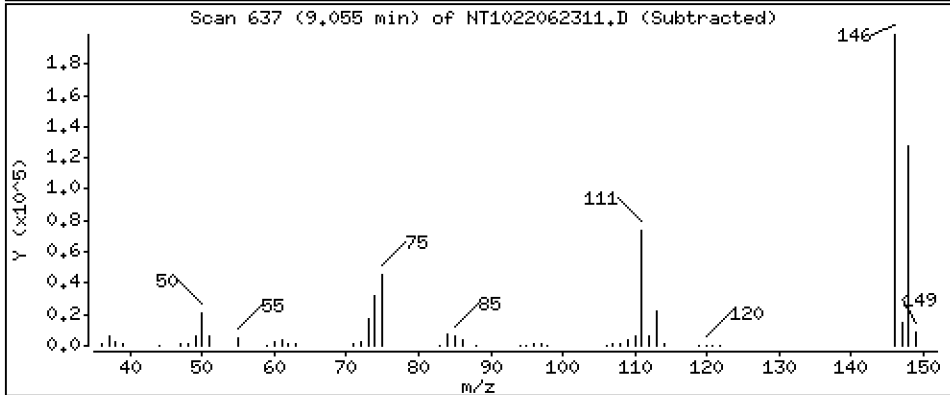
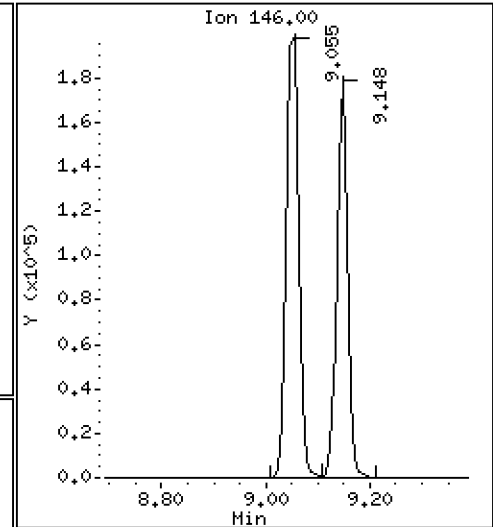
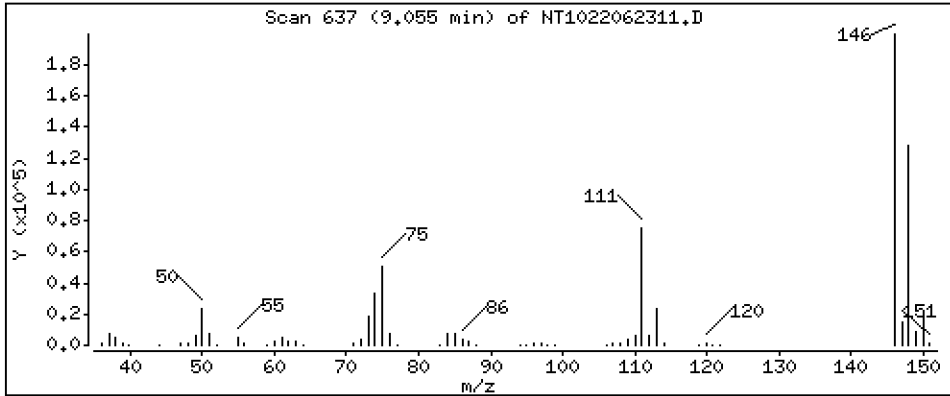
Operator: VTS

Column phase: ZB-5msi

Column diameter: 0,25

7 1,3-Dichlorobenzene

Concentration: 5,014 ug/mL



Date : 23-JUN-2022 15:20

Client ID:

Instrument: nt10.i

Sample Info: SKF0270-SCV1

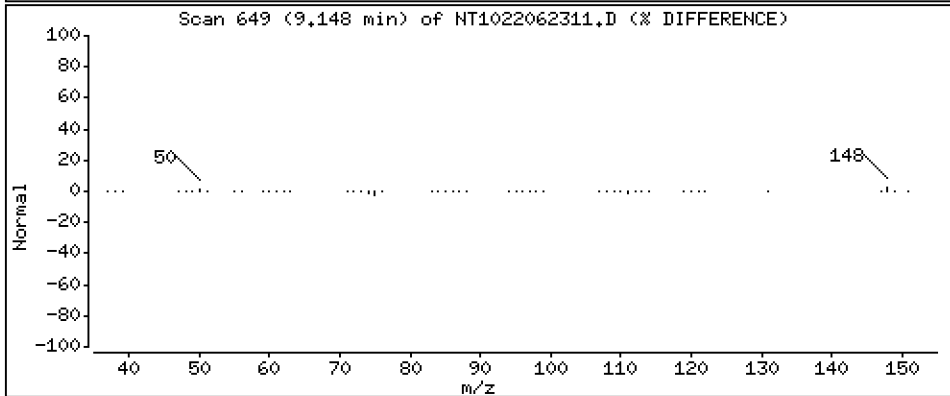
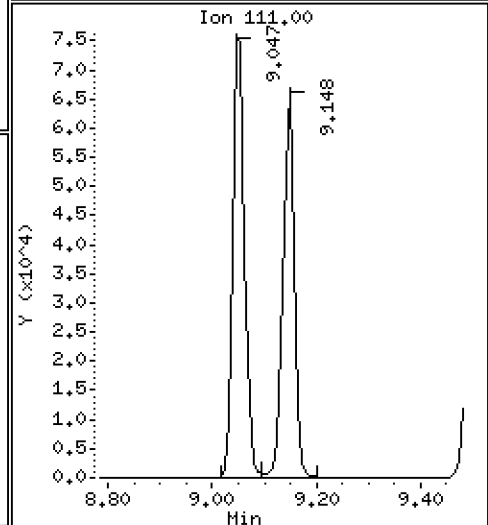
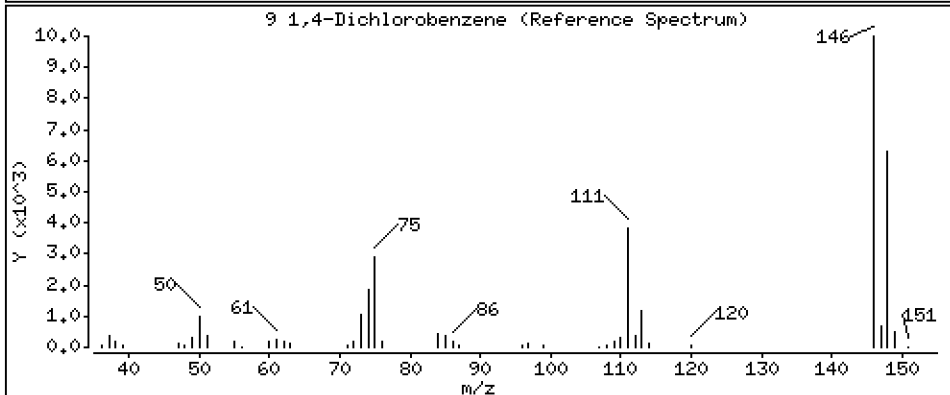
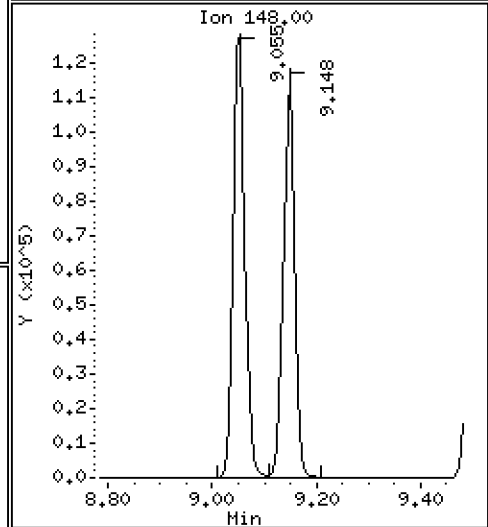
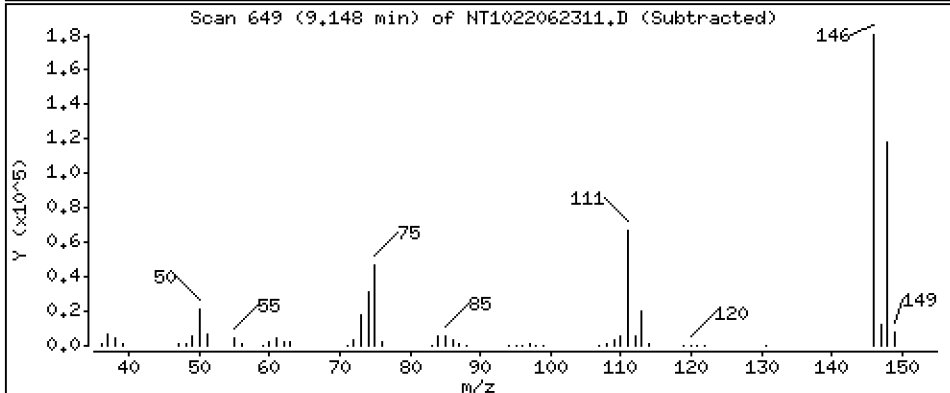
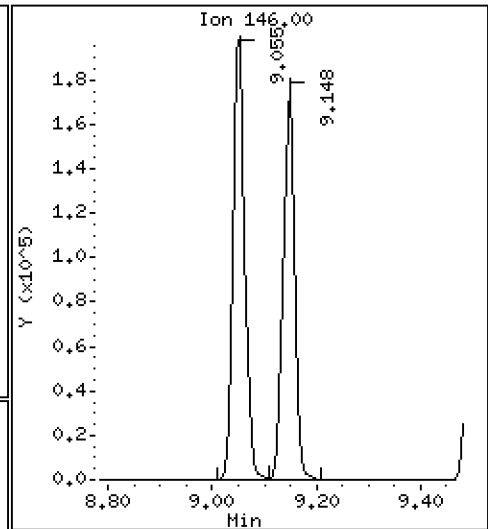
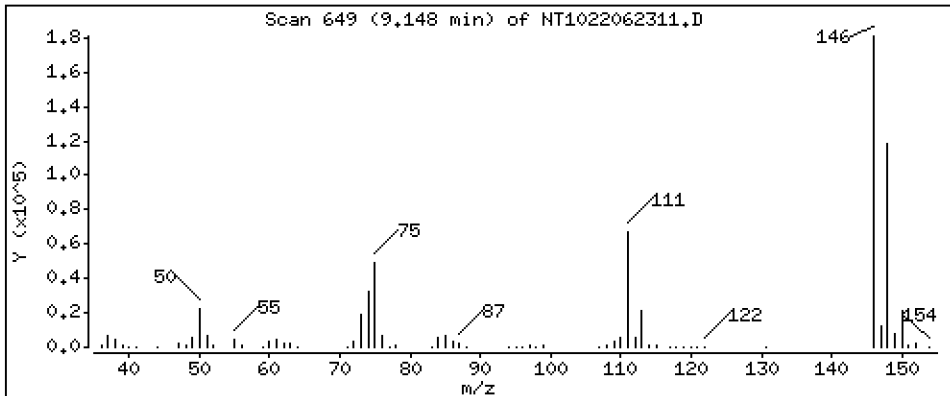
Operator: VTS

Column phase: ZB-5msi

Column diameter: 0,25

9 1,4-Dichlorobenzene

Concentration: 5,297 ug/mL



Date : 23-JUN-2022 15:20

Client ID:

Instrument: nt10.i

Sample Info: SKF0270-SCV1

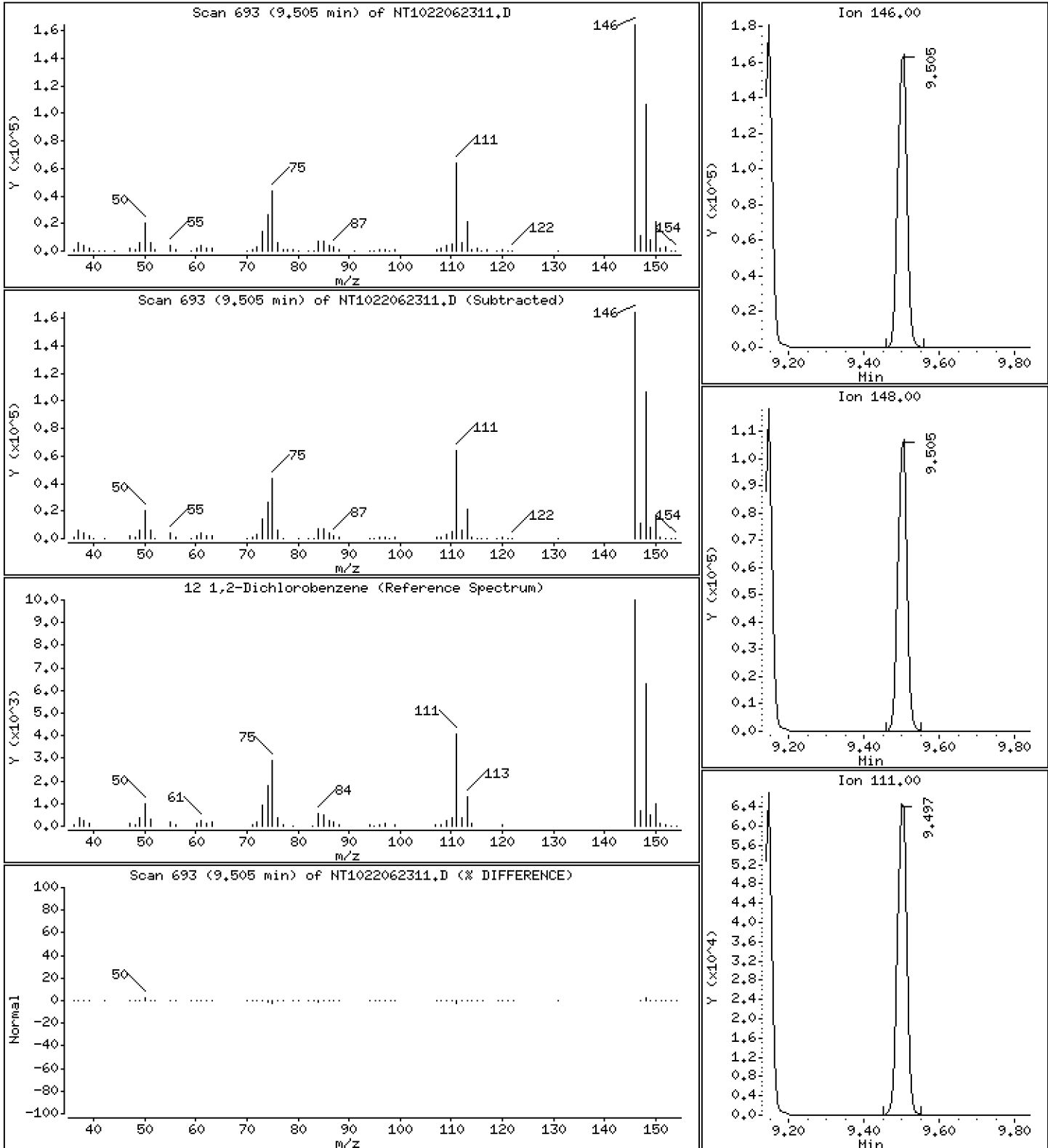
Operator: VTS

Column phase: ZB-5msi

Column diameter: 0,25

12 1,2-Dichlorobenzene

Concentration: 5,087 ug/mL



Date : 23-JUN-2022 15:20

Client ID:

Instrument: nt10.i

Sample Info: SKF0270-SCV1

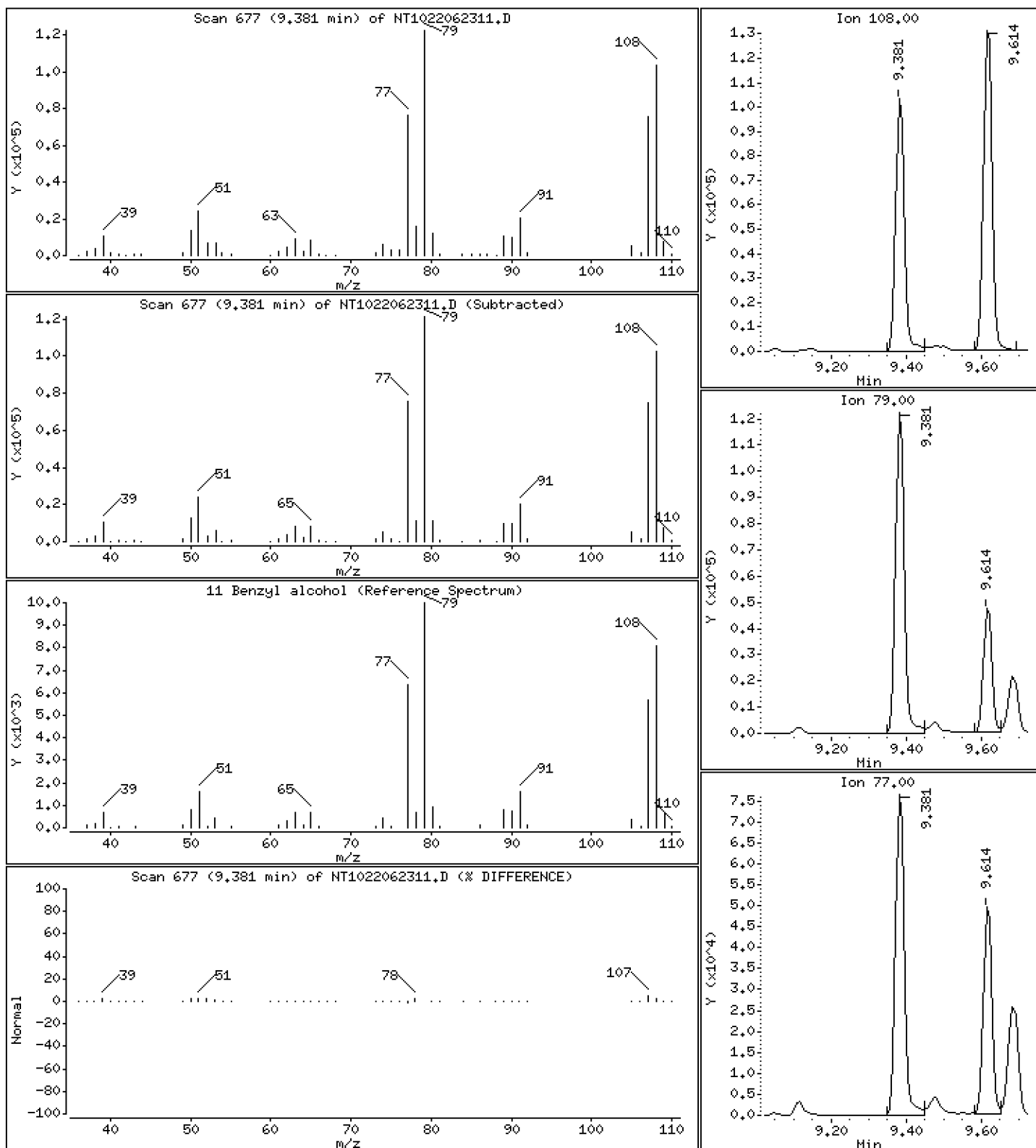
Operator: VTS

Column phase: ZB-5msi

Column diameter: 0.25

11 Benzyl alcohol

Concentration: 5.481 ug/mL



Date : 23-JUN-2022 15:20

Client ID:

Instrument: nt10.i

Sample Info: SKF0270-SCV1

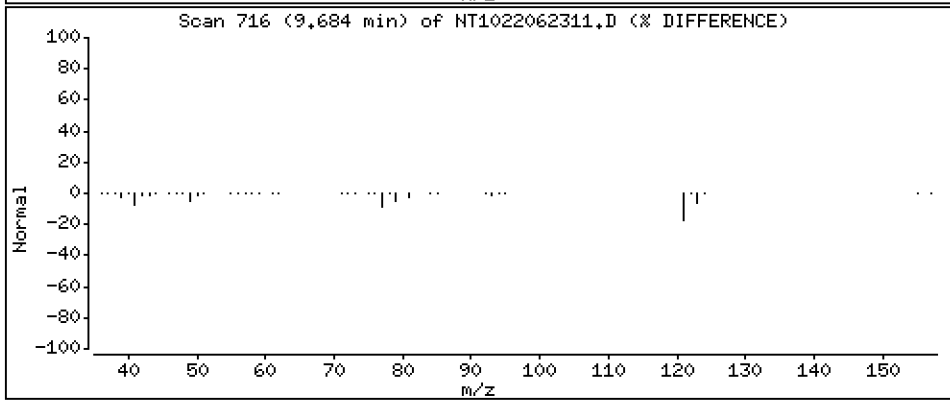
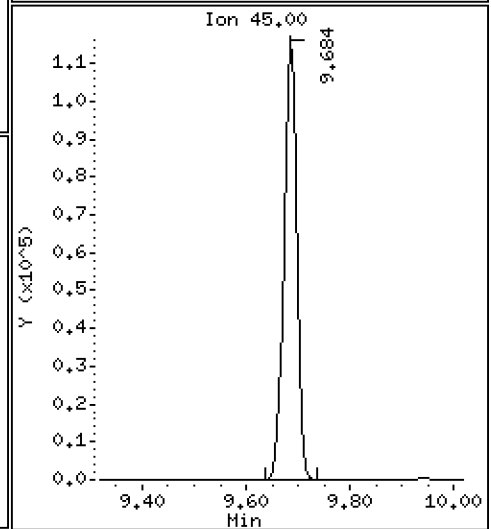
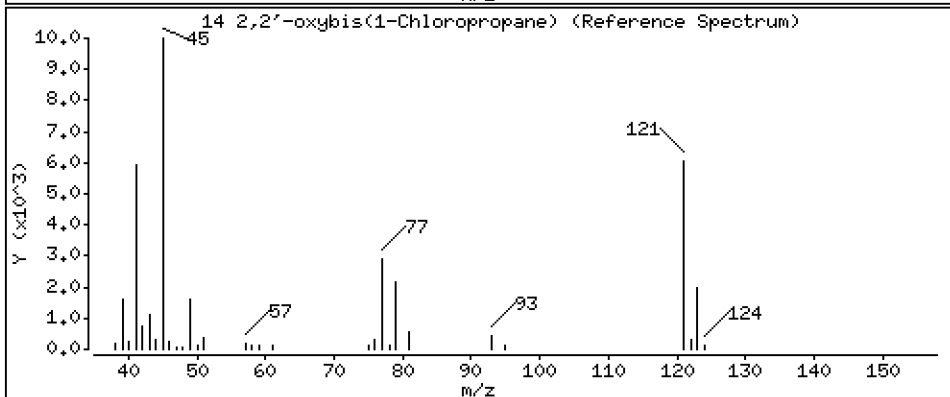
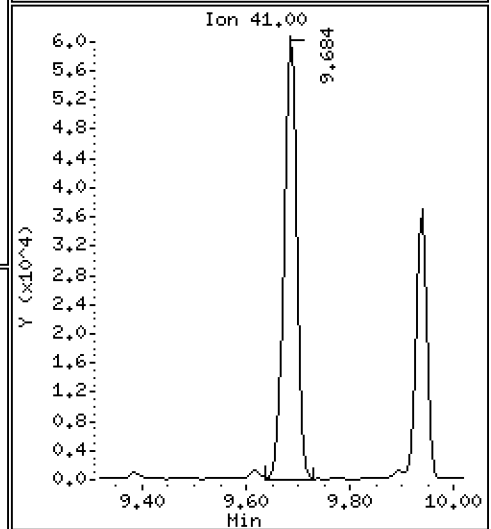
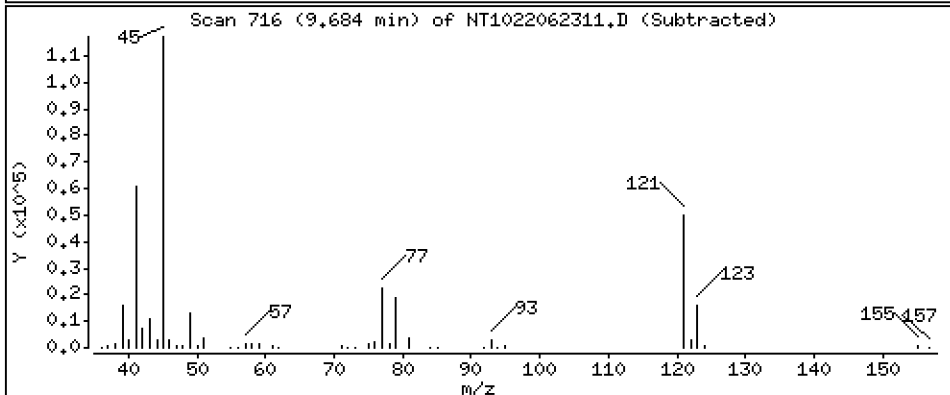
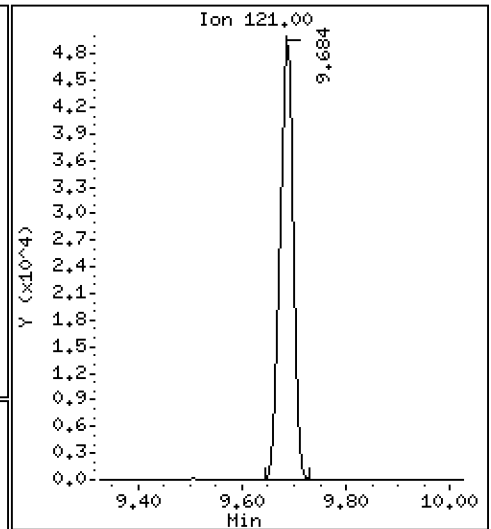
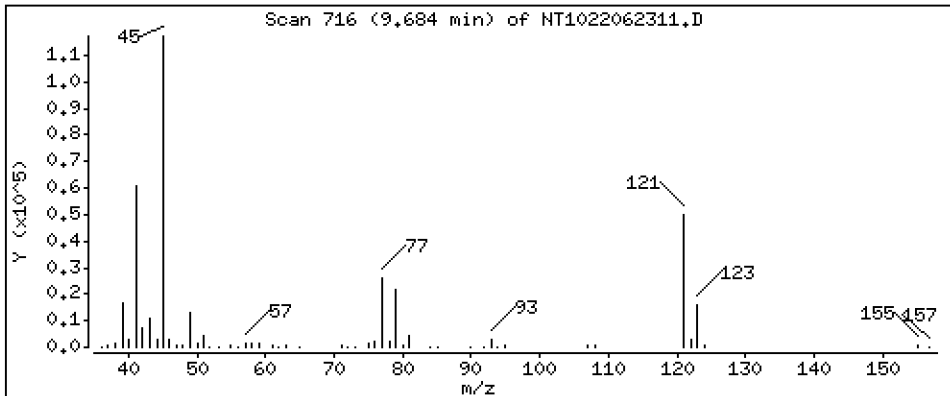
Operator: VTS

Column phase: ZB-5msi

Column diameter: 0,25

14 2,2'-oxybis(1-Chloropropane)

Concentration: 7,063 ug/mL



Date : 23-JUN-2022 15:20

Client ID:

Instrument: nt10.i

Sample Info: SKF0270-SCV1

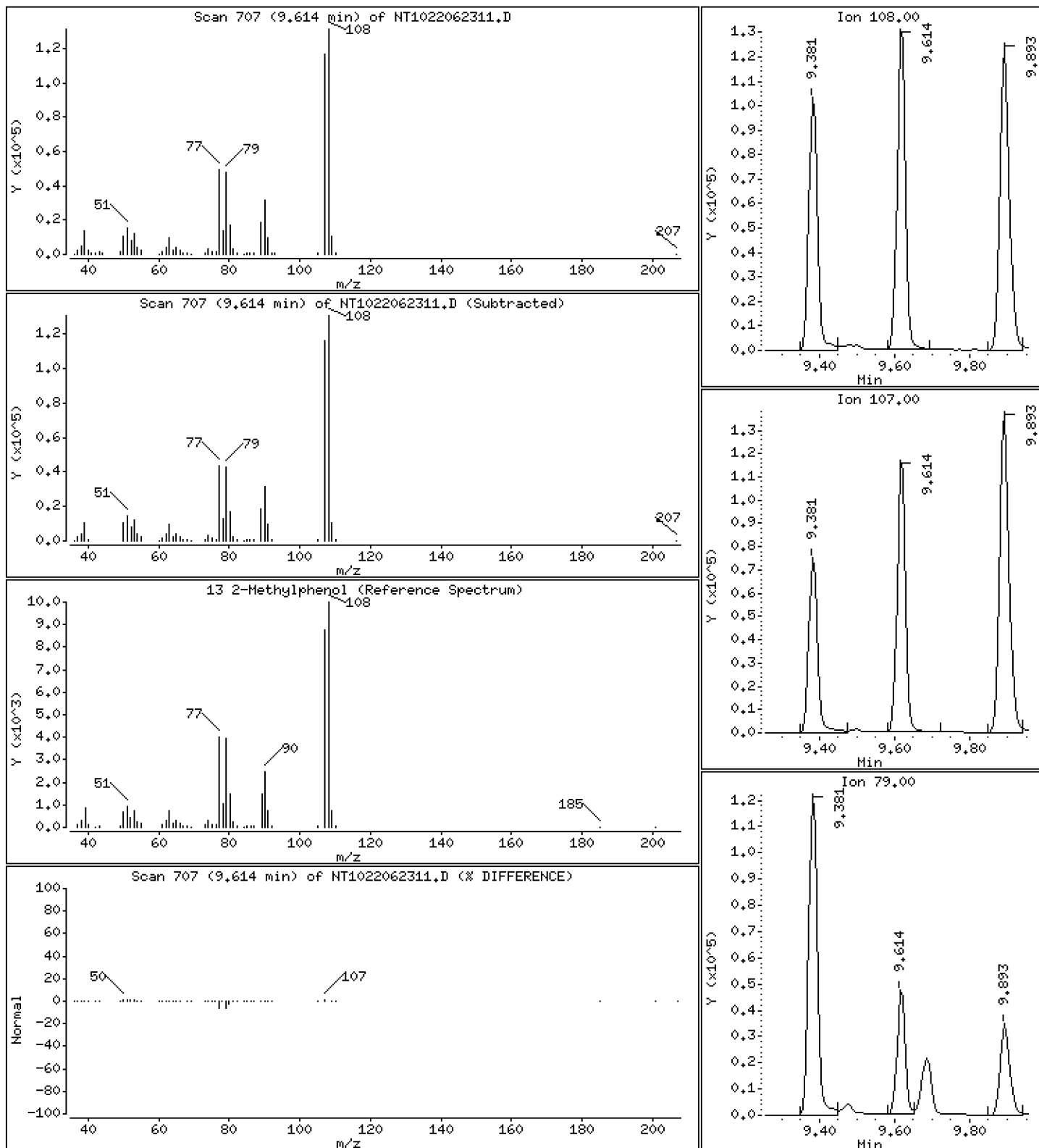
Operator: VTS

Column phase: ZB-5msi

Column diameter: 0.25

13 2-Methylphenol

Concentration: 4.442 ug/mL



Date : 23-JUN-2022 15:20

Client ID:

Instrument: nt10.i

Sample Info: SKF0270-SCV1

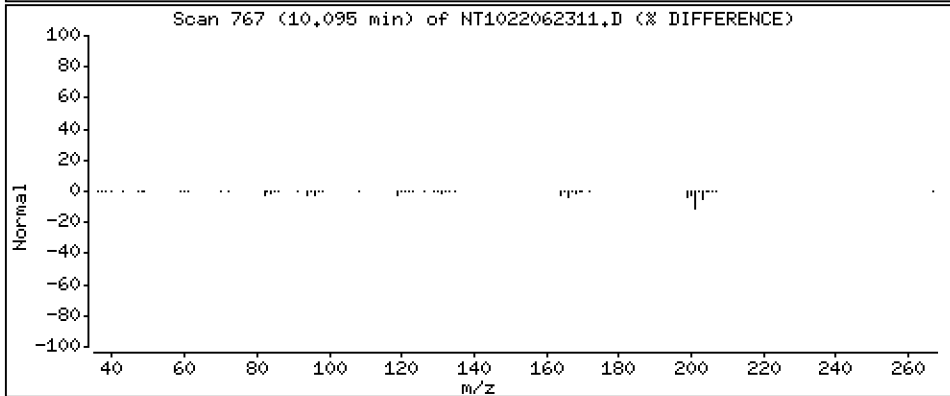
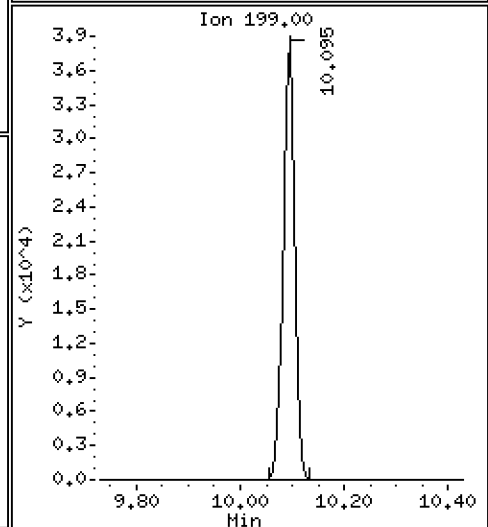
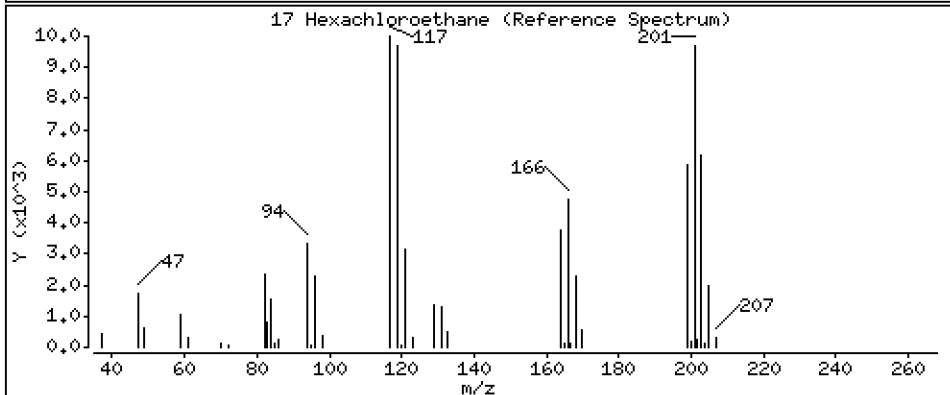
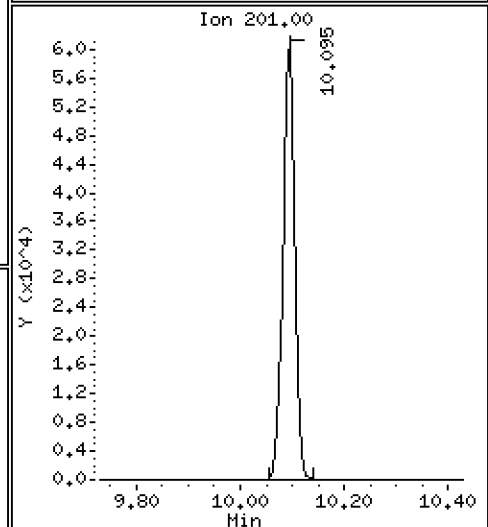
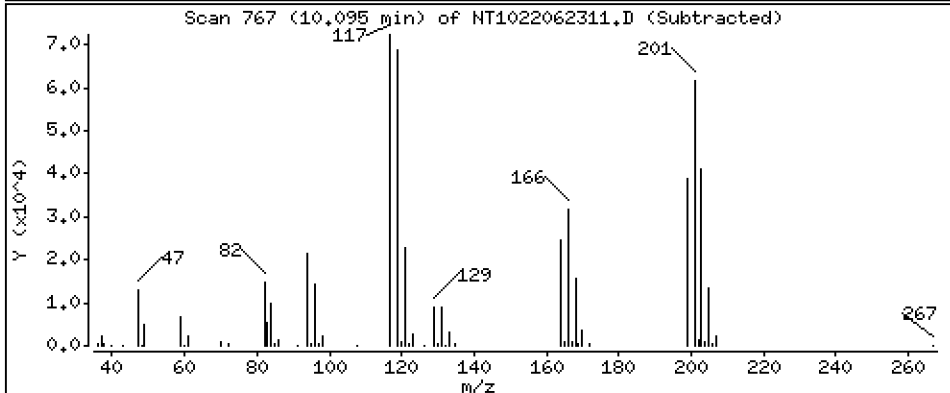
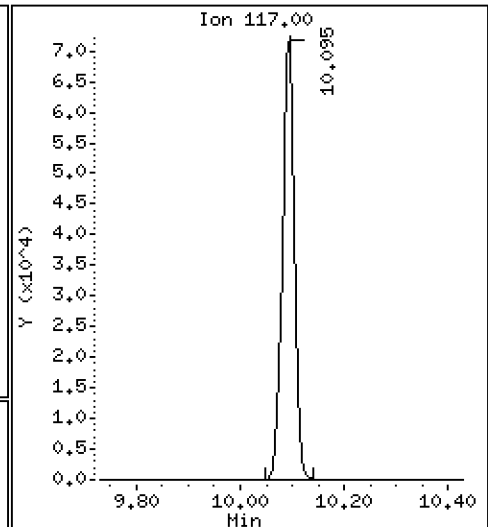
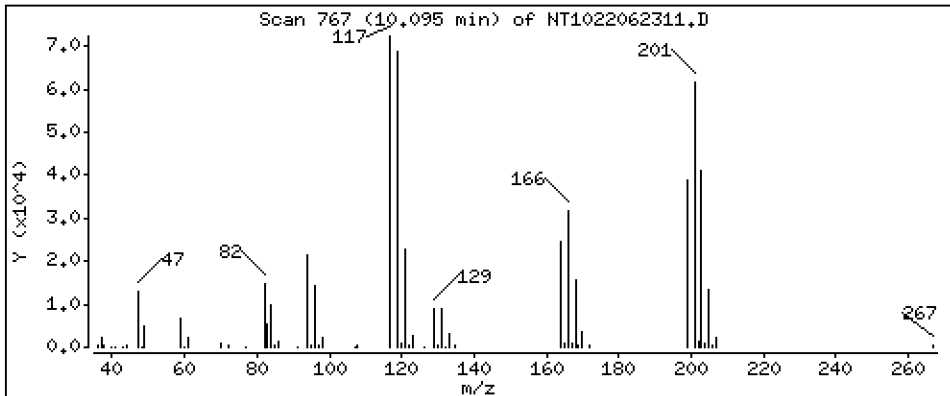
Operator: VTS

Column phase: ZB-5msi

Column diameter: 0,25

17 Hexachloroethane

Concentration: 5,296 ug/mL



Date : 23-JUN-2022 15:20

Client ID:

Instrument: nt10.i

Sample Info: SKF0270-SCV1

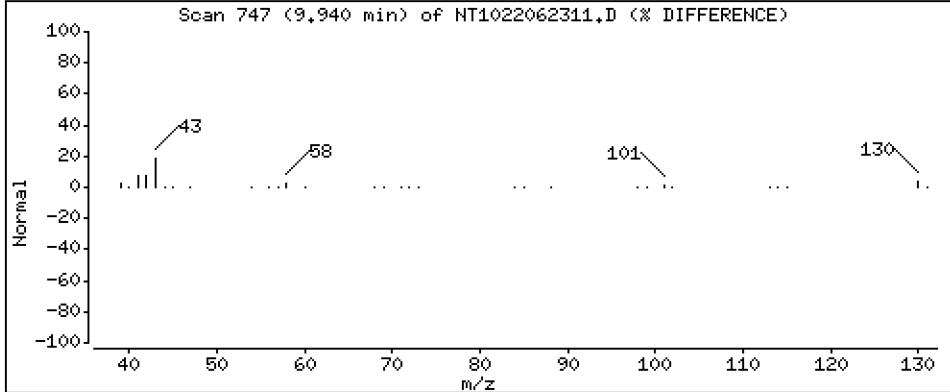
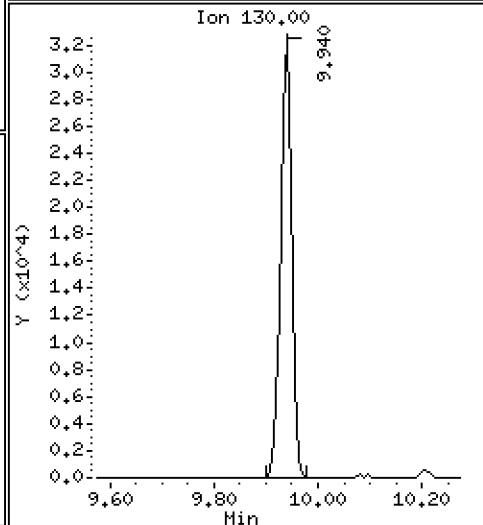
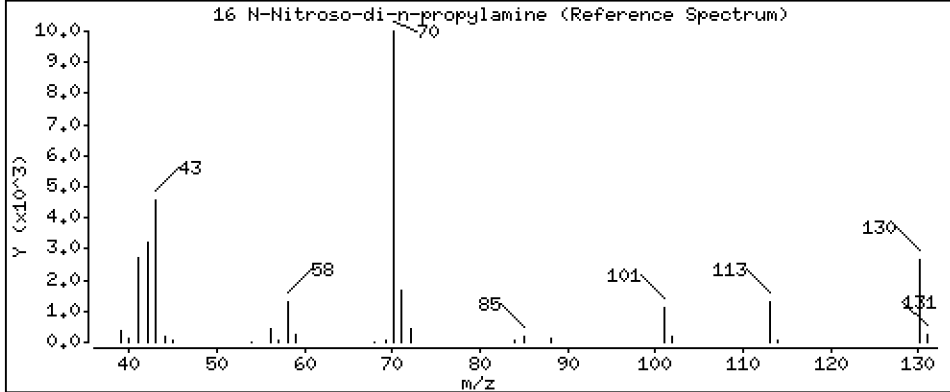
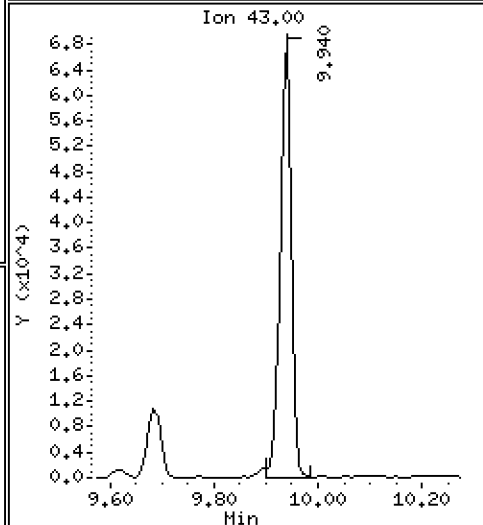
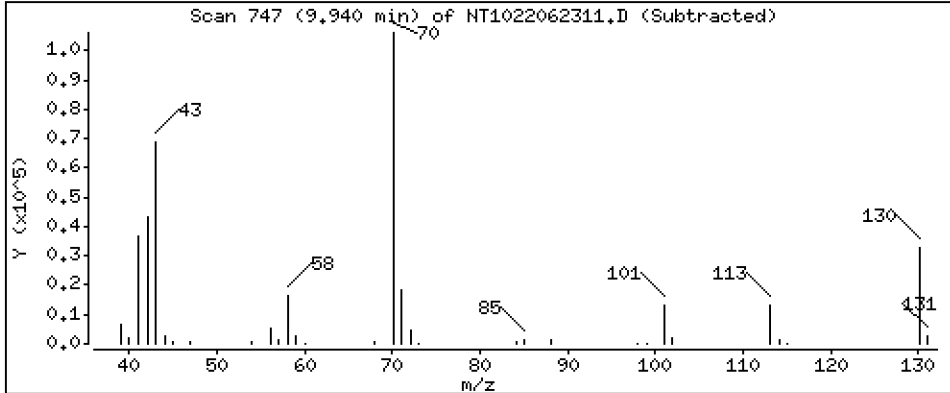
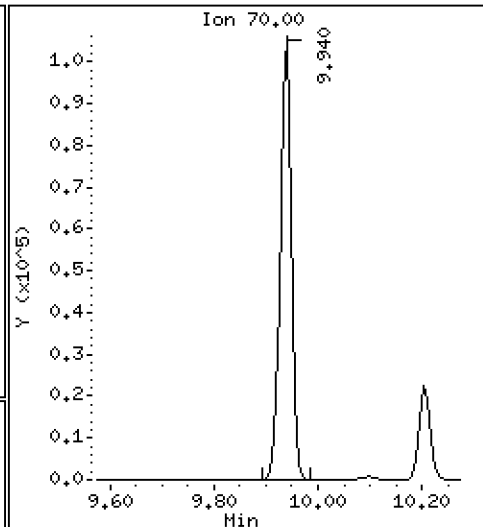
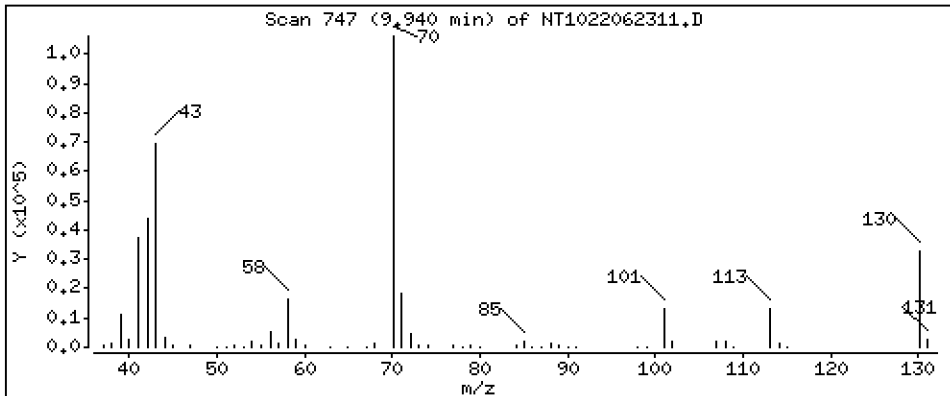
Operator: VTS

Column phase: ZB-5msi

Column diameter: 0,25

16 N-Nitroso-di-n-propylamine

Concentration: 5,116 ug/mL



Date : 23-JUN-2022 15:20

Client ID:

Instrument: nt10.i

Sample Info: SKF0270-SCV1

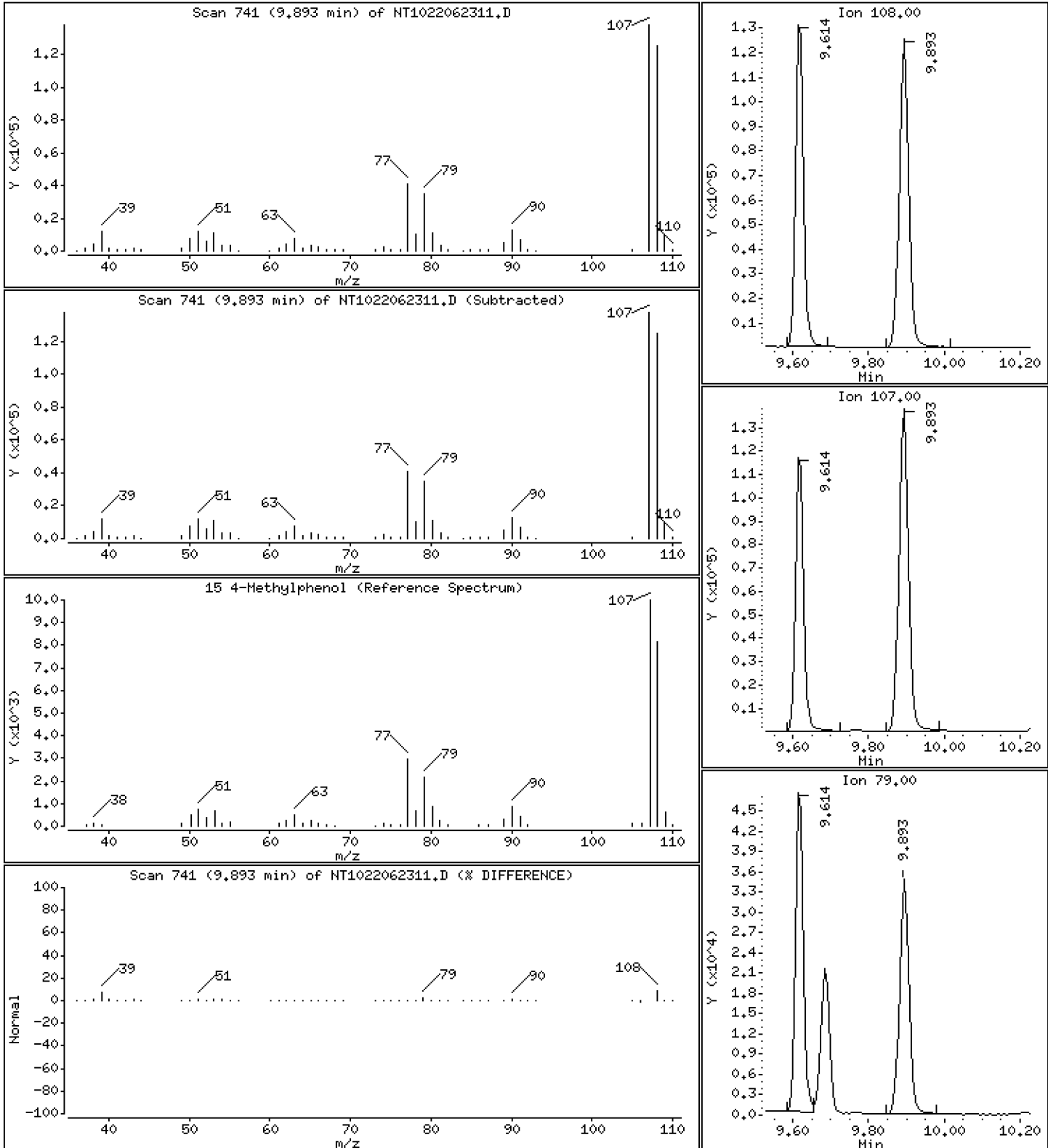
Operator: VTS

Column phase: ZB-5msi

Column diameter: 0,25

15 4-Methylphenol

Concentration: 4,592 ug/mL



Date : 23-JUN-2022 15:20

Client ID:

Instrument: nt10.i

Sample Info: SKF0270-SCV1

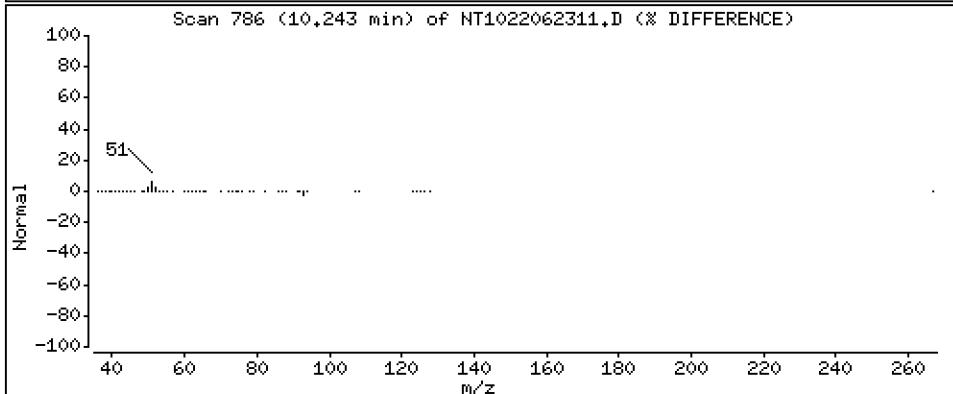
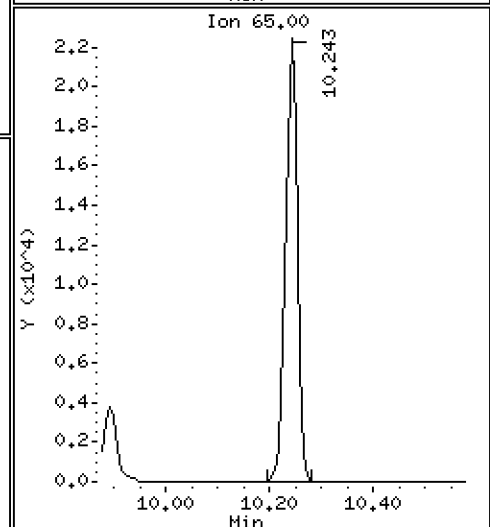
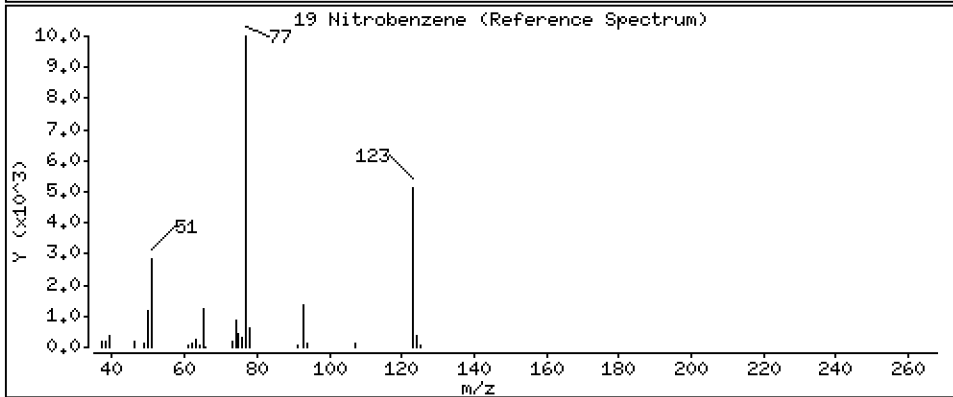
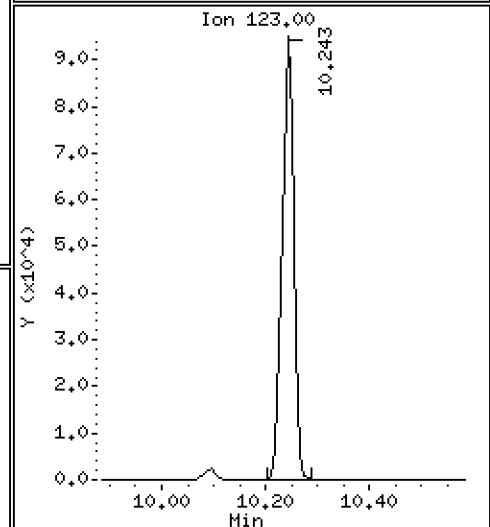
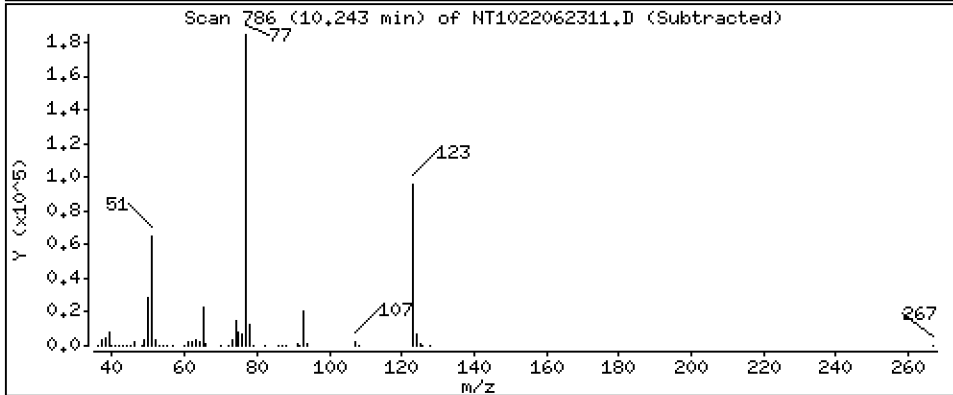
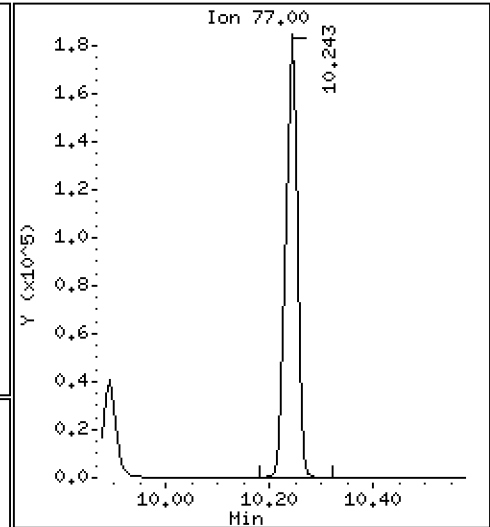
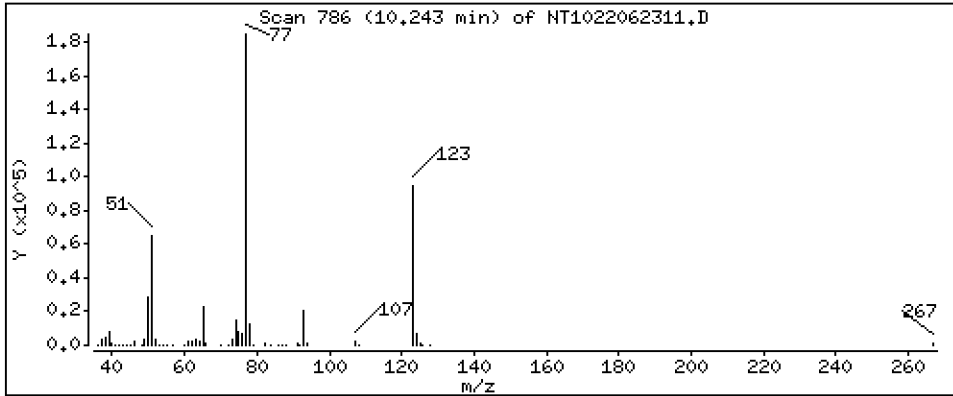
Operator: VTS

Column phase: ZB-5msi

Column diameter: 0,25

Concentration: 5,138 ug/mL

19 Nitrobenzene



Date : 23-JUN-2022 15:20

Client ID:

Instrument: nt10.i

Sample Info: SKF0270-SCV1

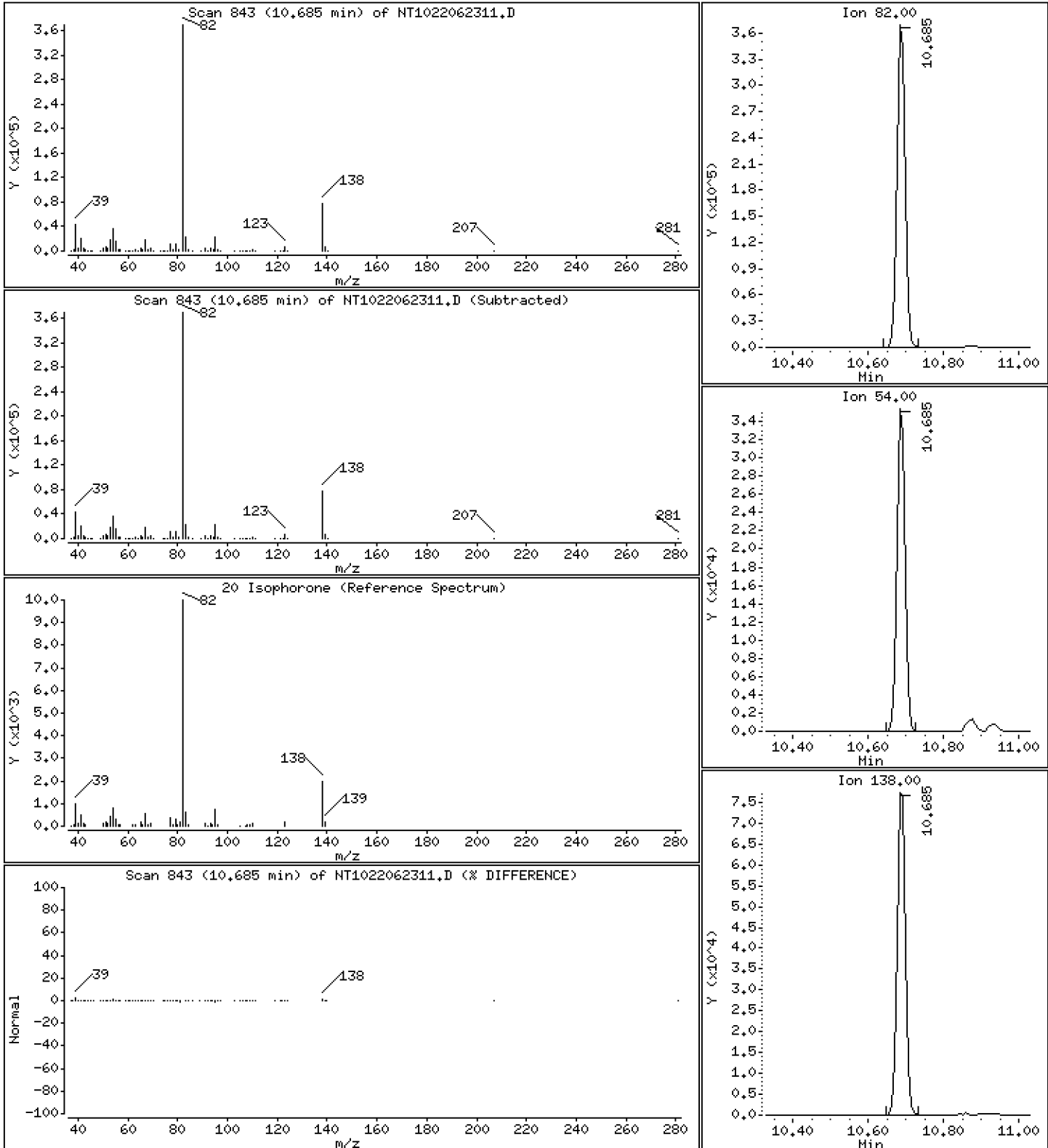
Operator: VTS

Column phase: ZB-5msi

Column diameter: 0,25

20 Isophorone

Concentration: 7,412 ug/mL



Date : 23-JUN-2022 15:20

Client ID:

Instrument: nt10.i

Sample Info: SKF0270-SCV1

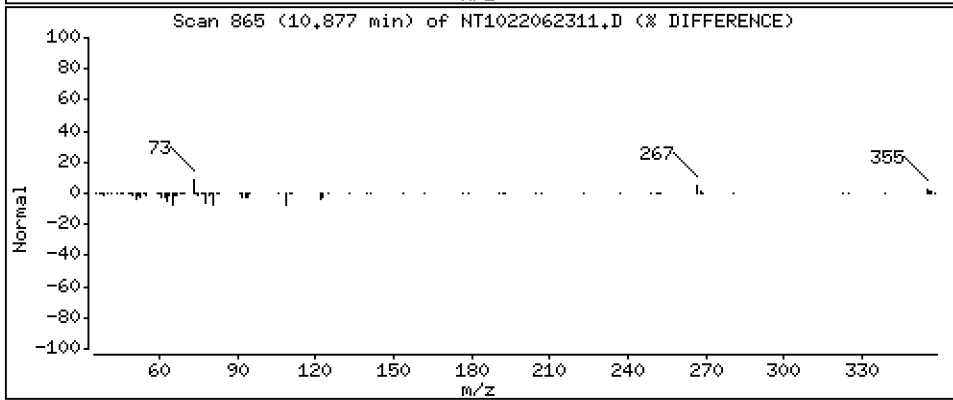
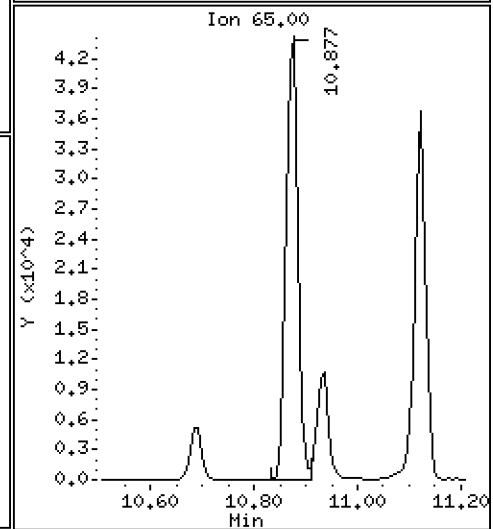
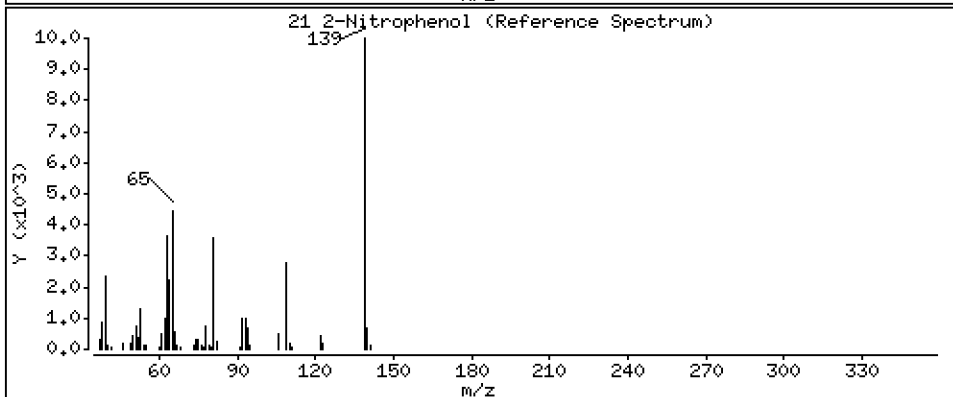
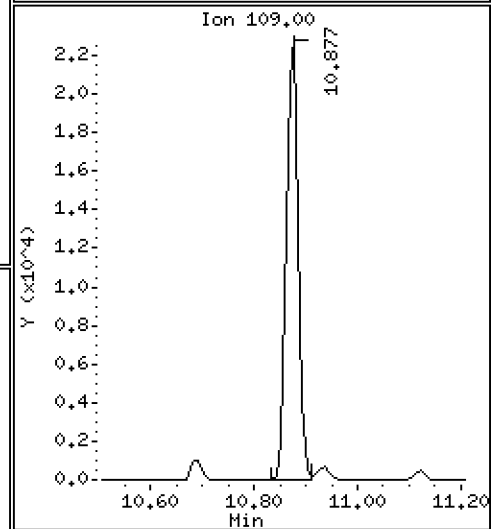
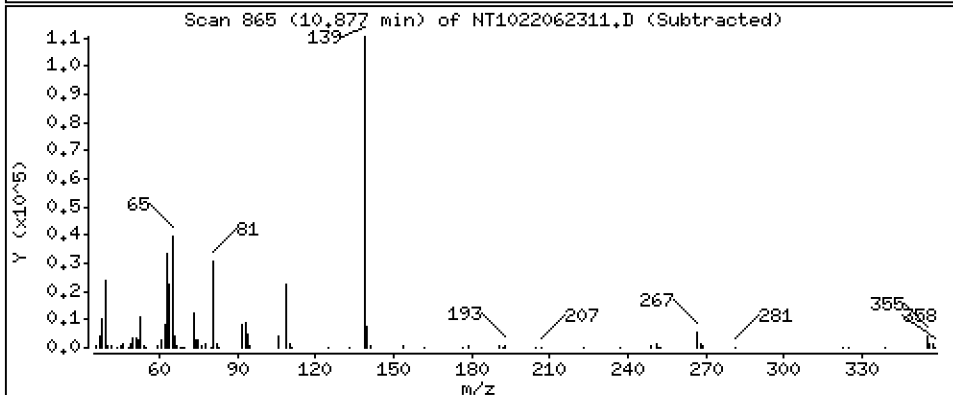
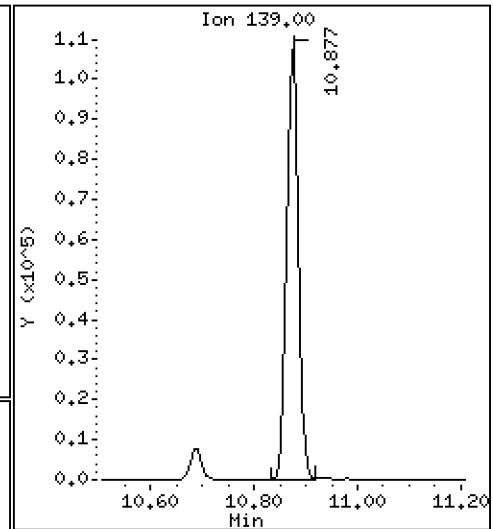
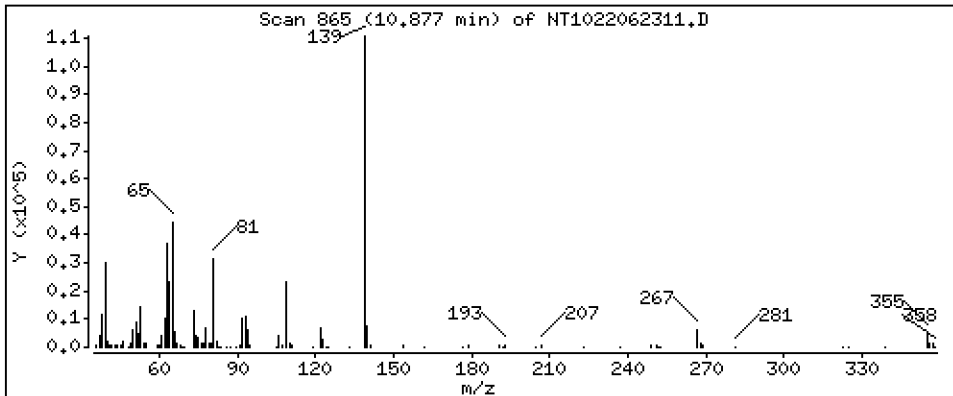
Operator: VTS

Column phase: ZB-5msi

Column diameter: 0,25

21 2-Nitrophenol

Concentration: 5,128 ug/mL



Date : 23-JUN-2022 15:20

Client ID:

Instrument: nt10.i

Sample Info: SKF0270-SCV1

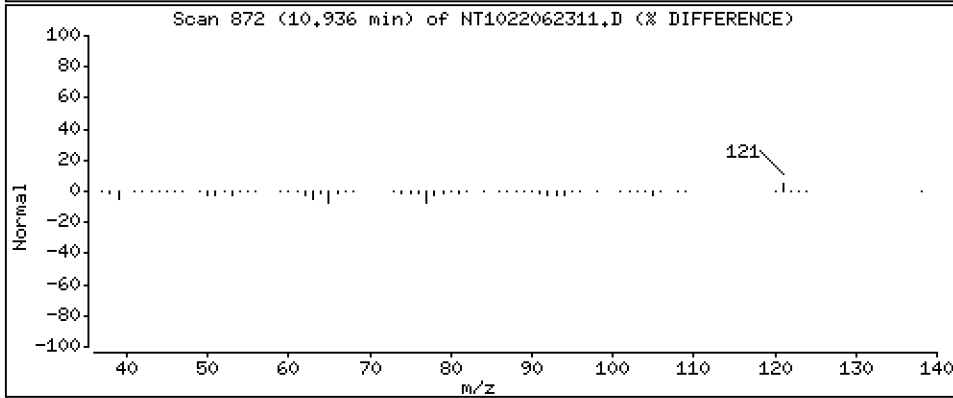
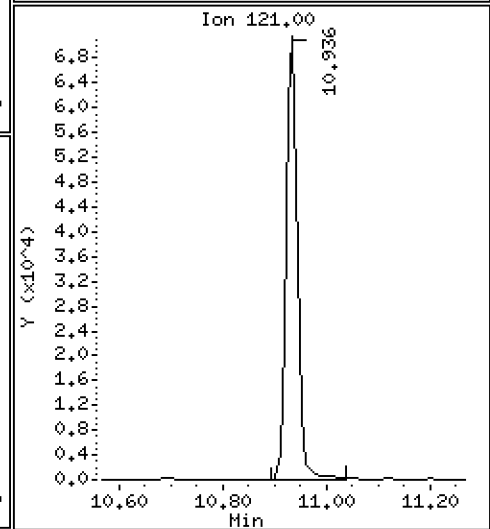
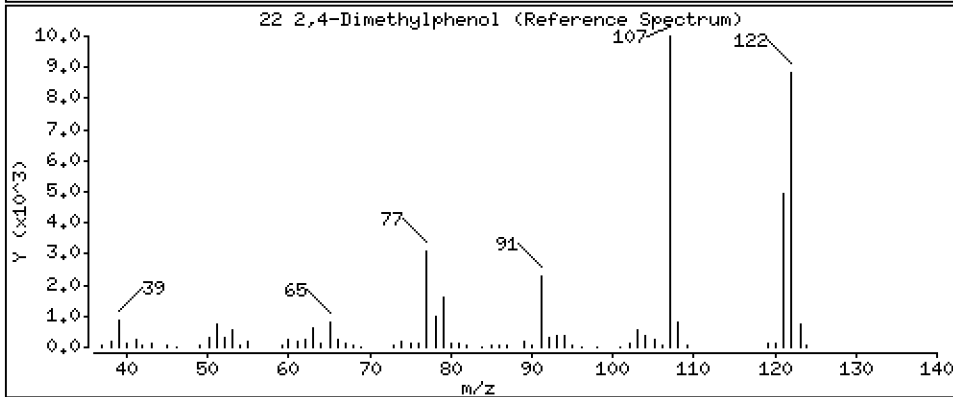
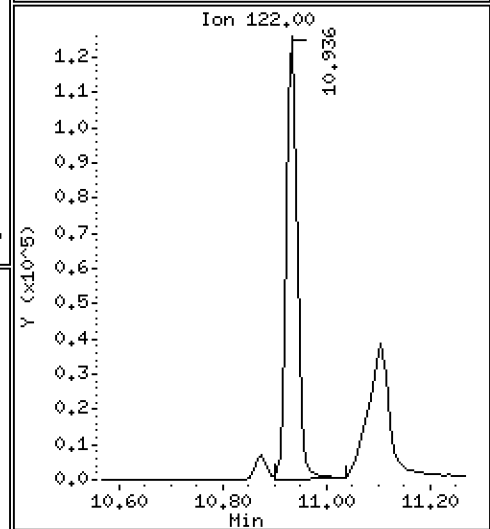
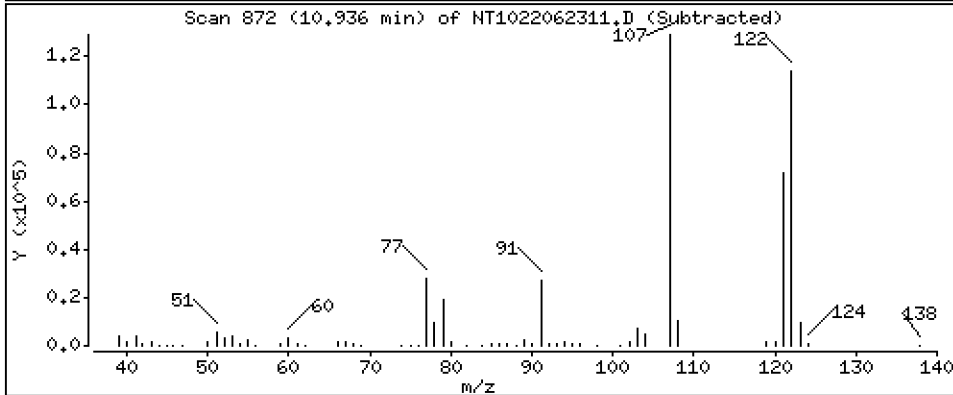
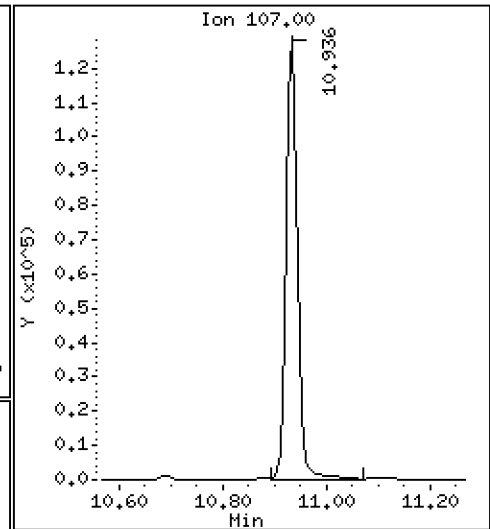
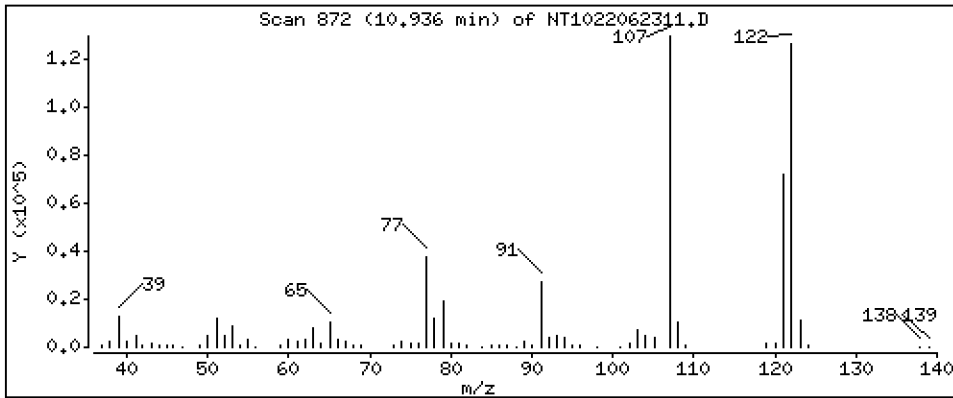
Operator: VTS

Column phase: ZB-5msi

Column diameter: 0,25

22 2,4-Dimethylphenol

Concentration: 4,736 ug/mL



Date : 23-JUN-2022 15:20

Client ID:

Instrument: nt10.i

Sample Info: SKF0270-SCV1

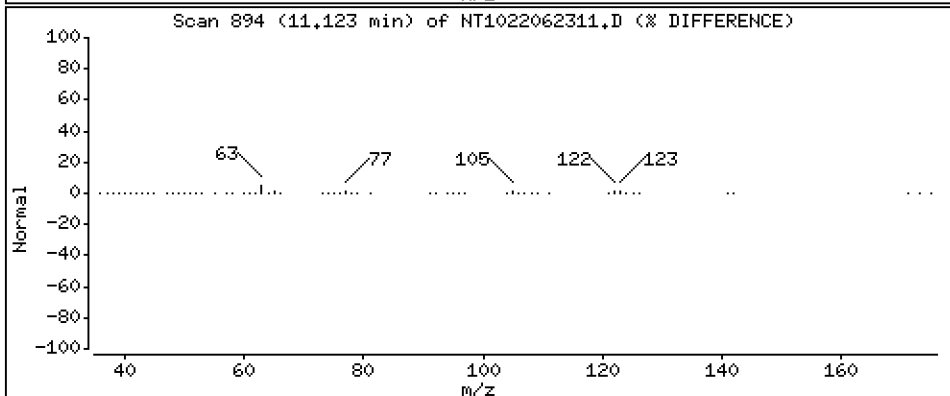
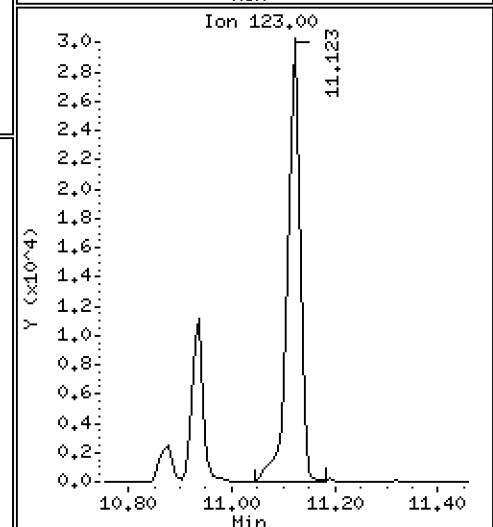
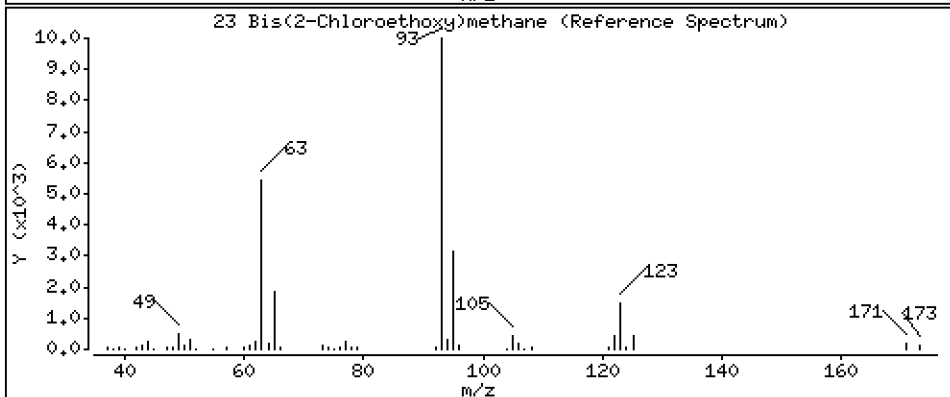
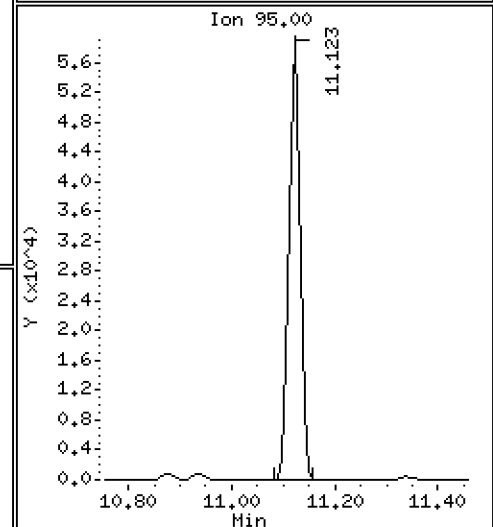
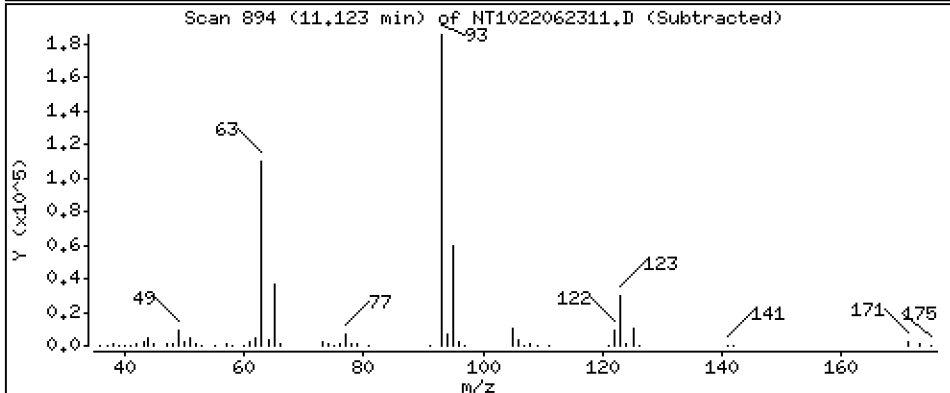
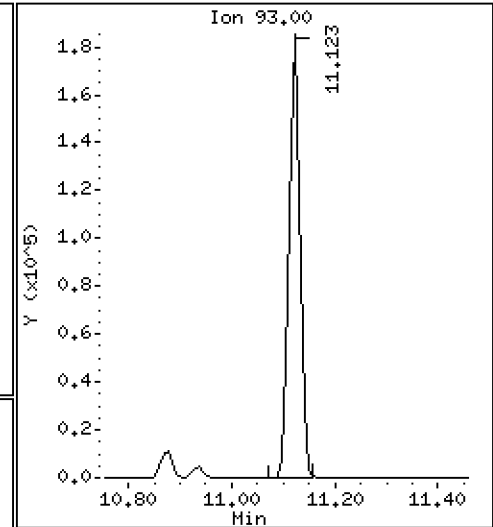
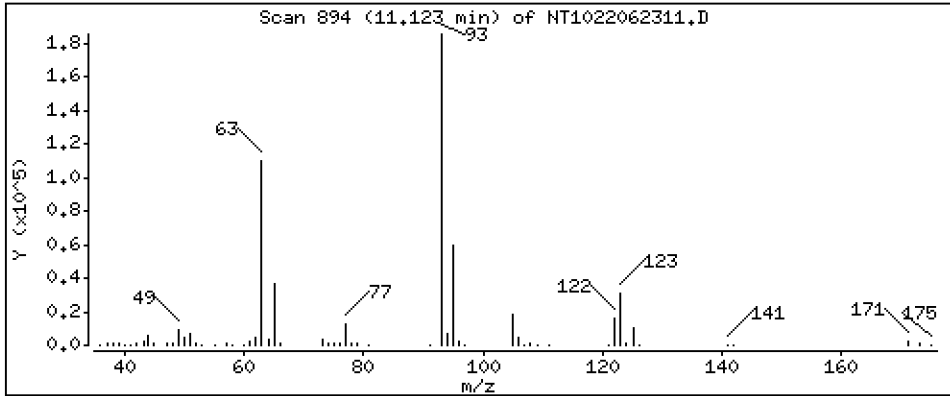
Operator: VTS

Column phase: ZB-5msi

Column diameter: 0,25

23 Bis(2-Chloroethoxy)methane

Concentration: 5,735 ug/mL



Date : 23-JUN-2022 15:20

Client ID:

Instrument: nt10.i

Sample Info: SKF0270-SCV1

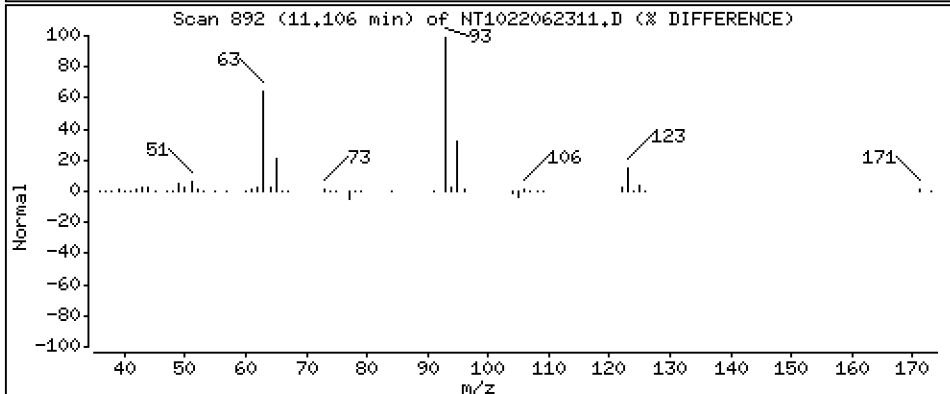
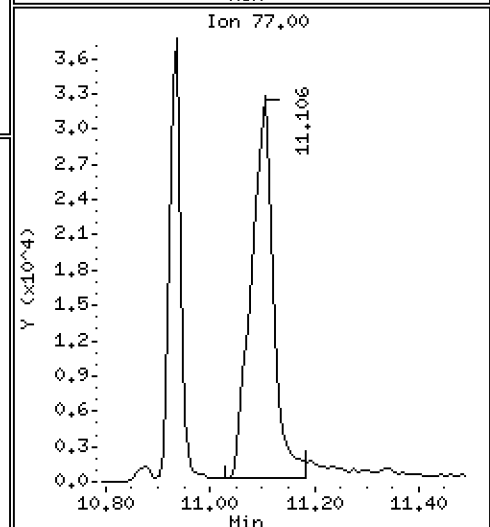
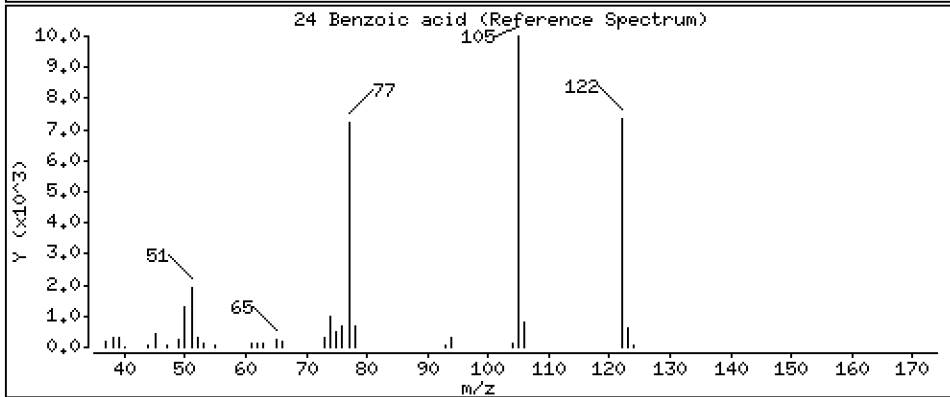
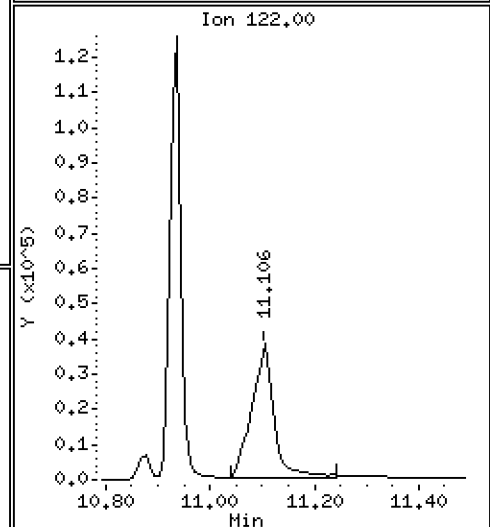
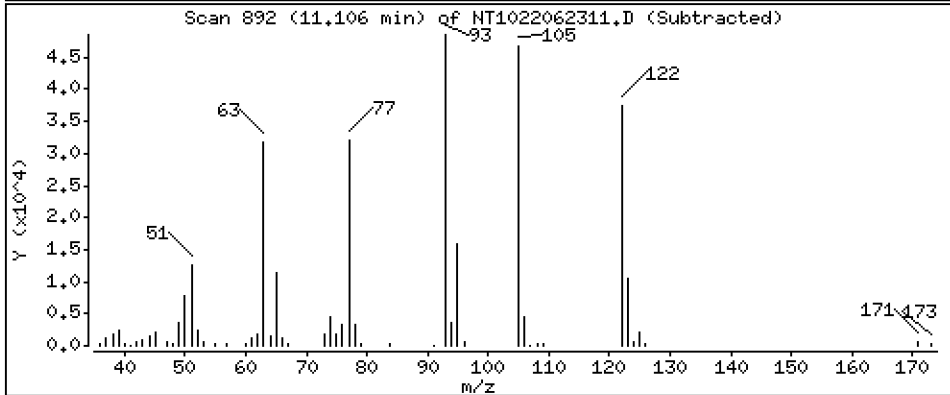
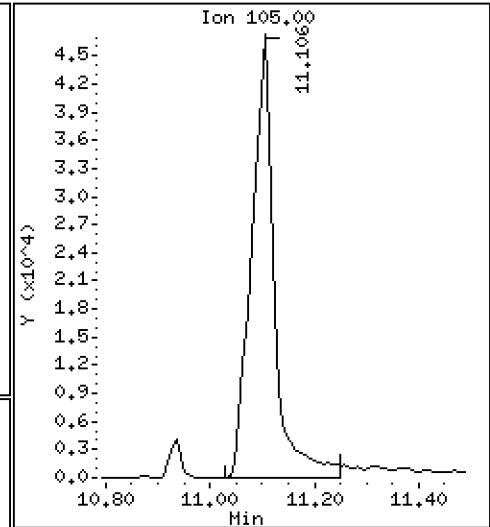
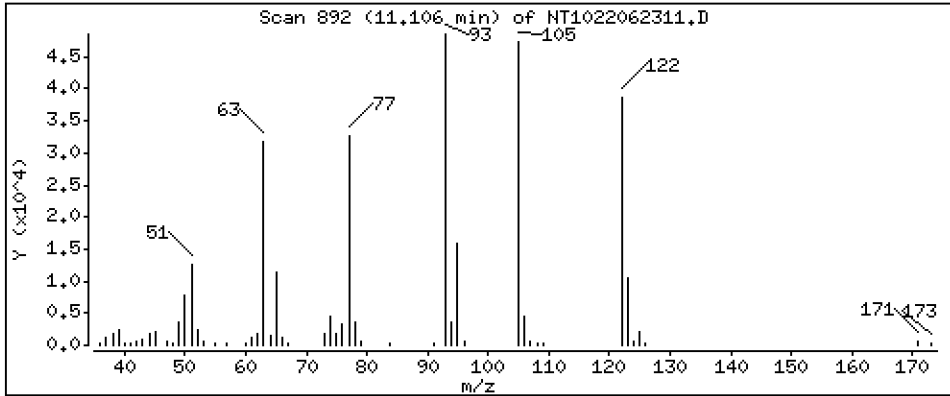
Operator: VTS

Column phase: ZB-5msi

Column diameter: 0,25

24 Benzoic acid

Concentration: 6,621 ug/mL



Date : 23-JUN-2022 15:20

Client ID:

Instrument: nt10.i

Sample Info: SKF0270-SCV1

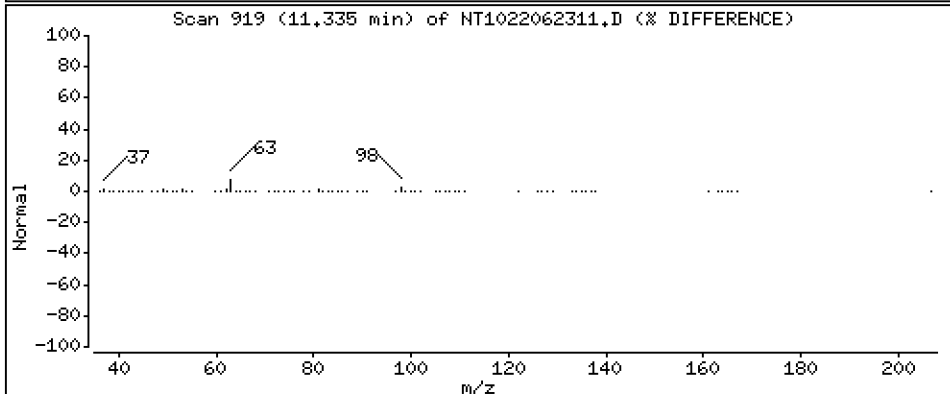
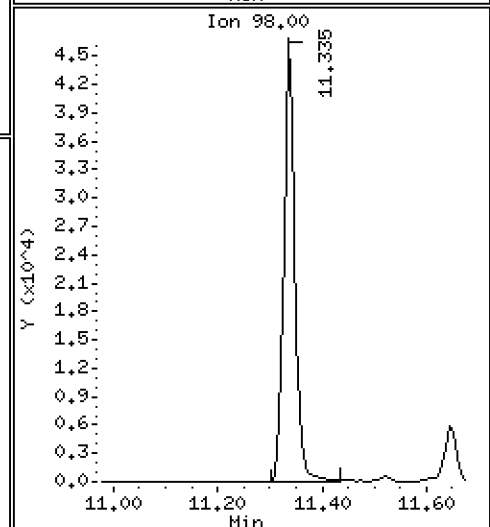
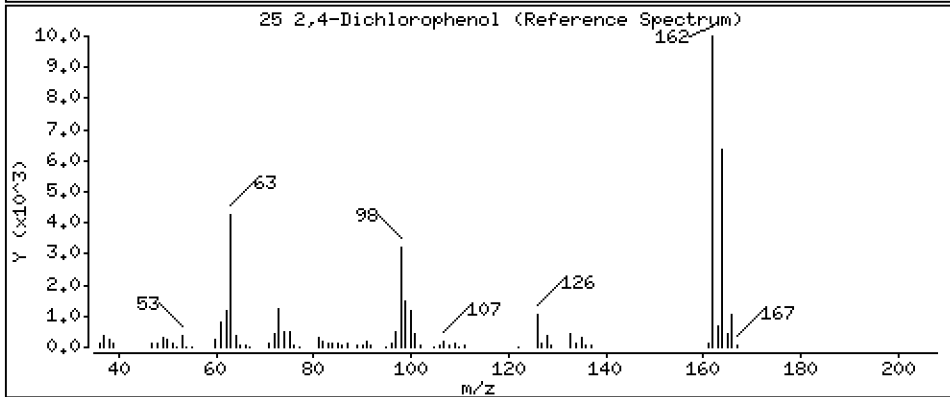
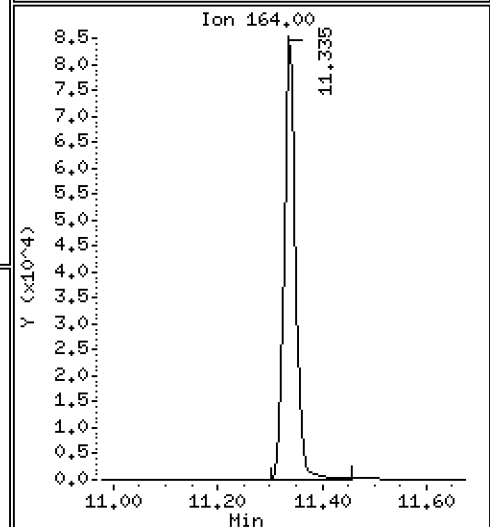
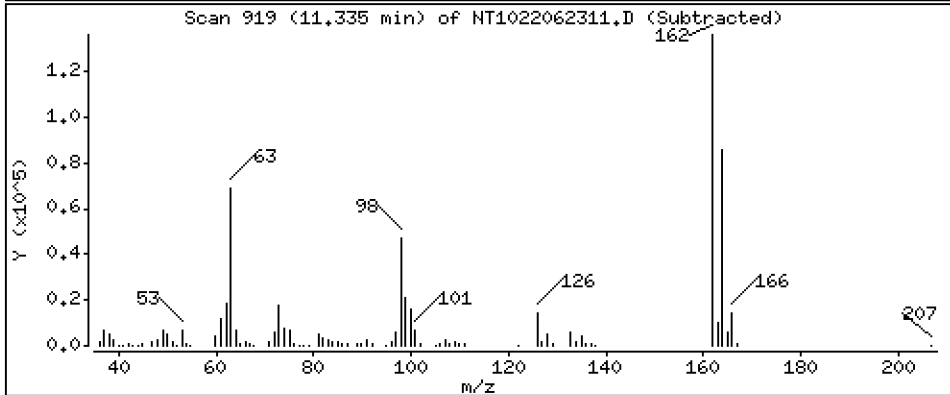
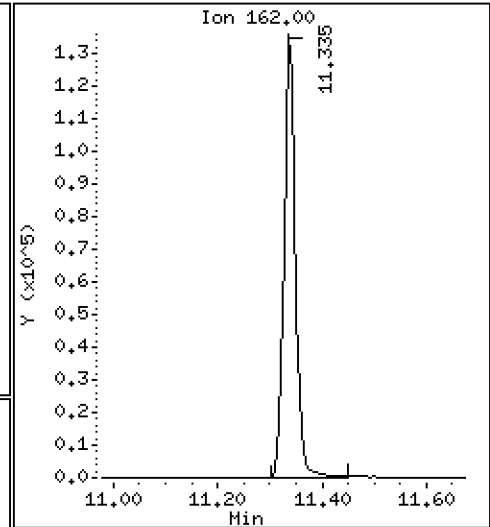
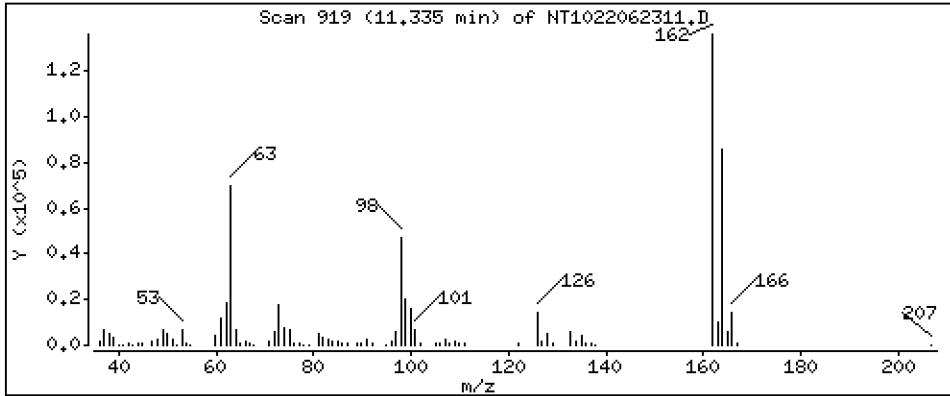
Operator: VTS

Column phase: ZB-5msi

Column diameter: 0,25

25 2,4-Dichlorophenol

Concentration: 5,545 ug/mL



Date : 23-JUN-2022 15:20

Client ID:

Instrument: nt10.i

Sample Info: SKF0270-SCV1

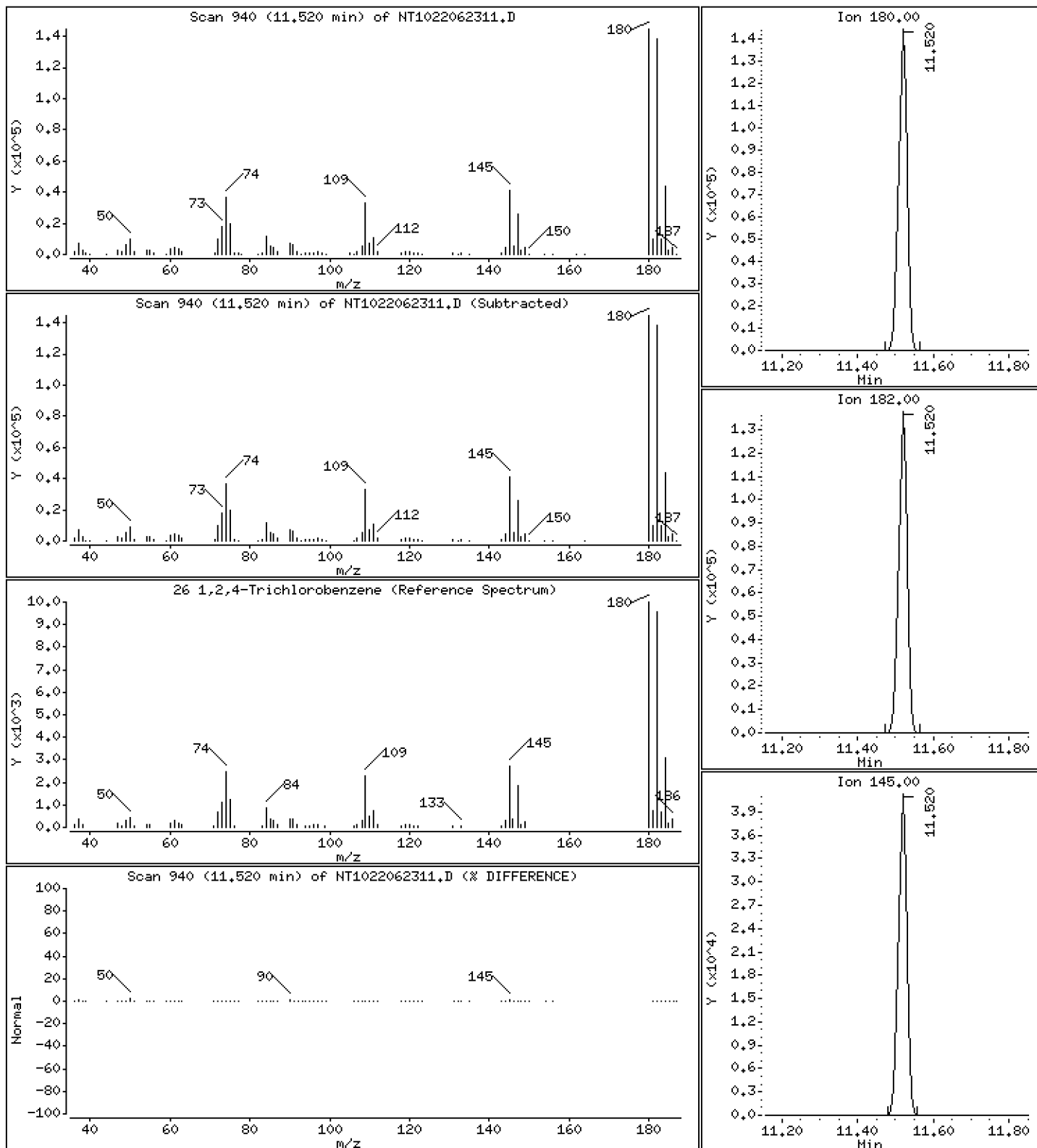
Operator: VTS

Column phase: ZB-5msi

Column diameter: 0,25

26 1,2,4-Trichlorobenzene

Concentration: 4,888 ug/mL



Date : 23-JUN-2022 15:20

Client ID:

Instrument: nt10.i

Sample Info: SKF0270-SCV1

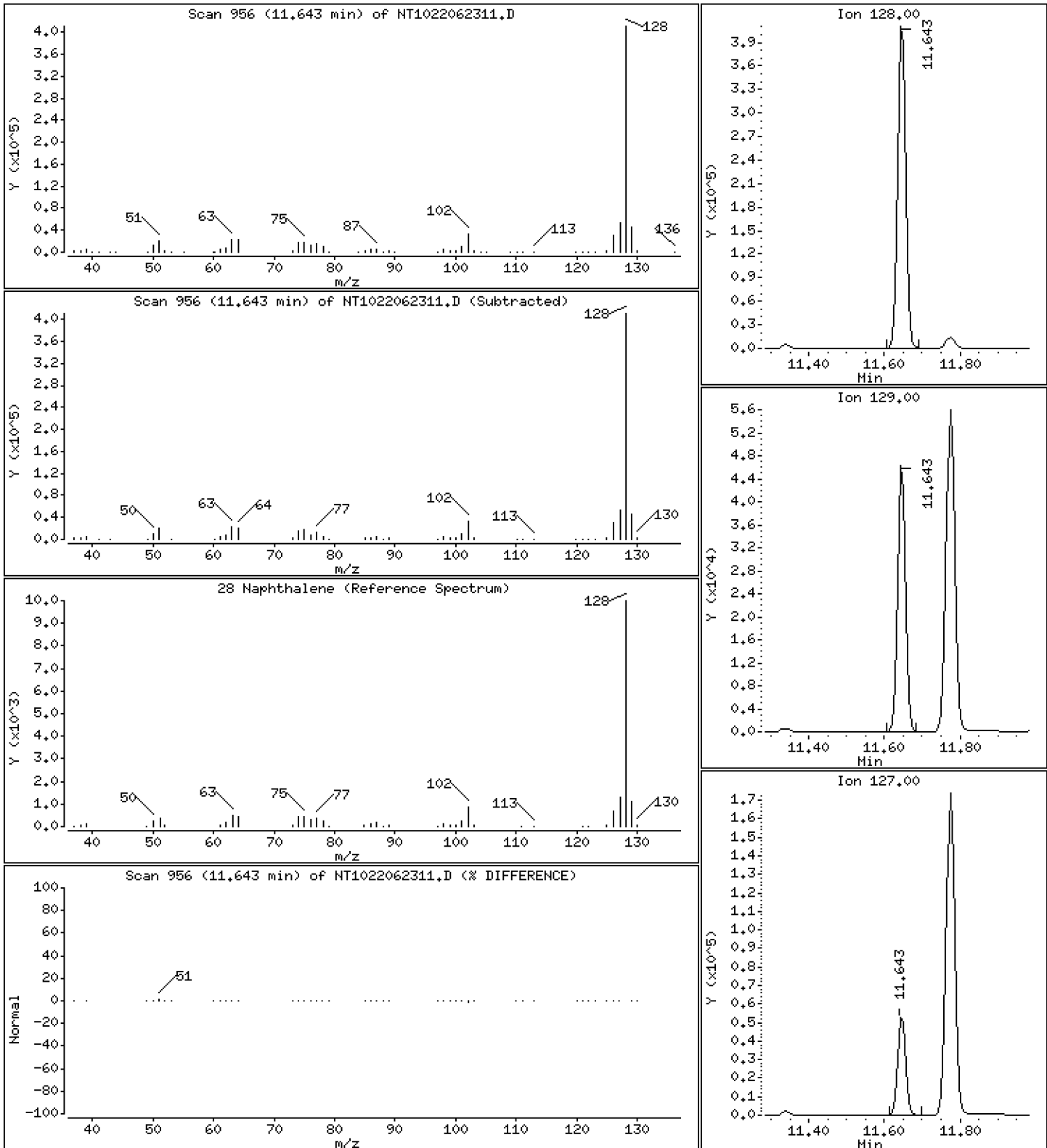
Operator: VTS

Column phase: ZB-5msi

Column diameter: 0,25

28 Naphthalene

Concentration: 4,947 ug/mL



Date : 23-JUN-2022 15:20

Client ID:

Instrument: nt10.i

Sample Info: SKF0270-SCV1

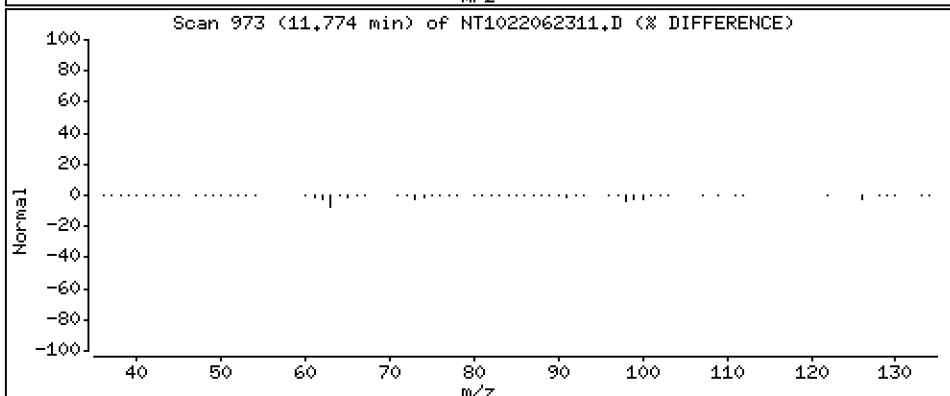
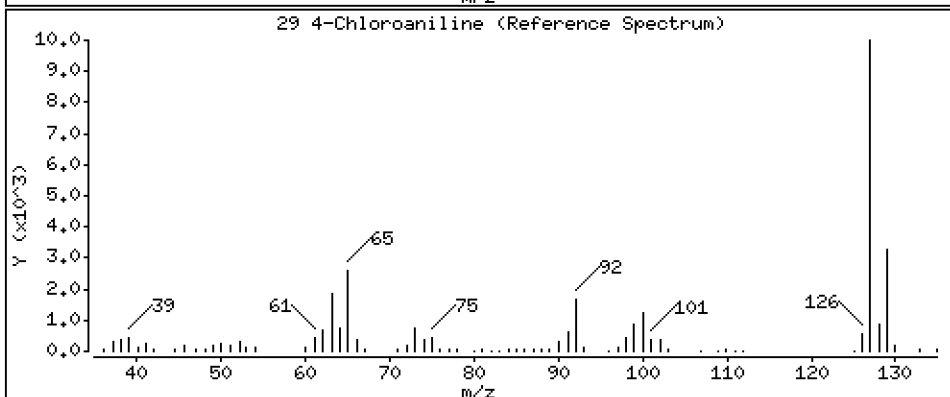
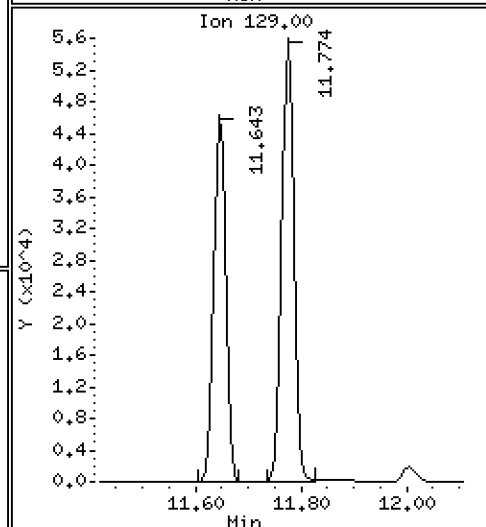
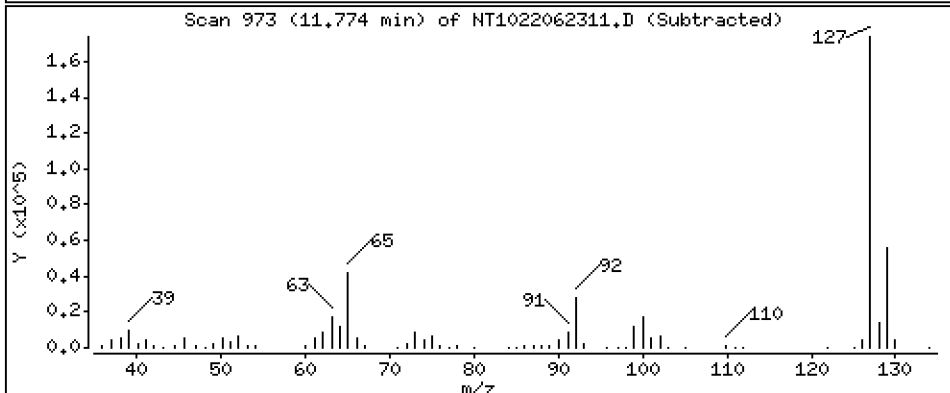
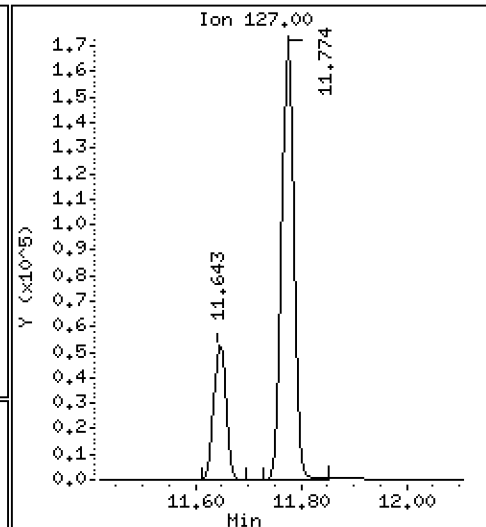
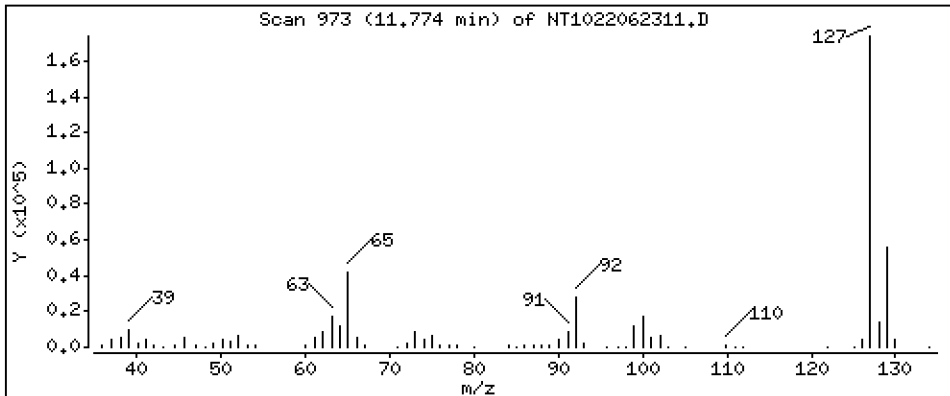
Operator: VTS

Column phase: ZB-5msi

Column diameter: 0.25

29 4-Chloroaniline

Concentration: 4.646 ug/mL



Date : 23-JUN-2022 15:20

Client ID:

Instrument: nt10.i

Sample Info: SKF0270-SCV1

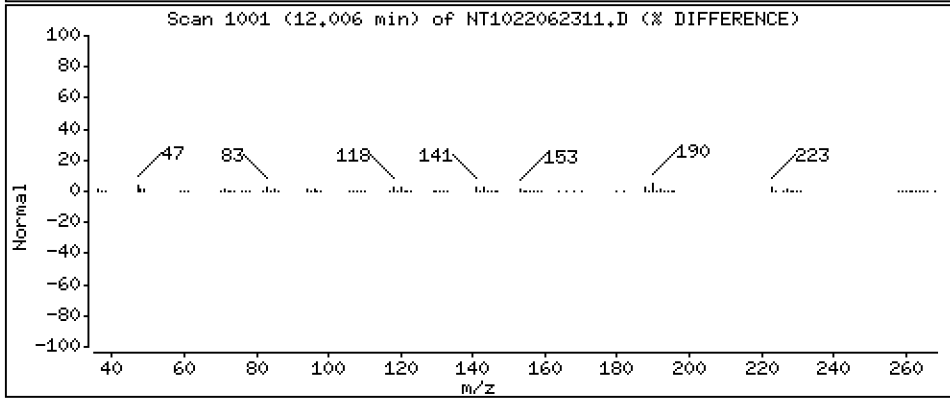
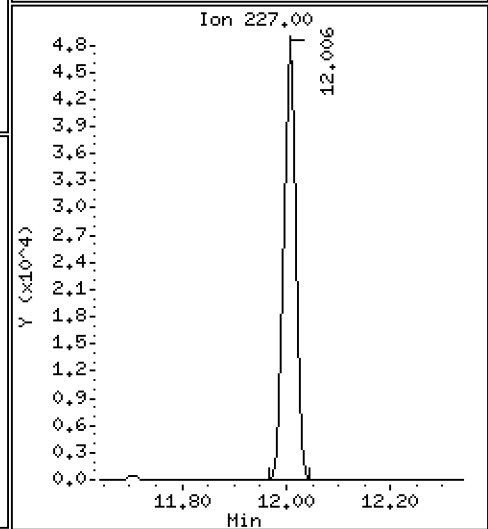
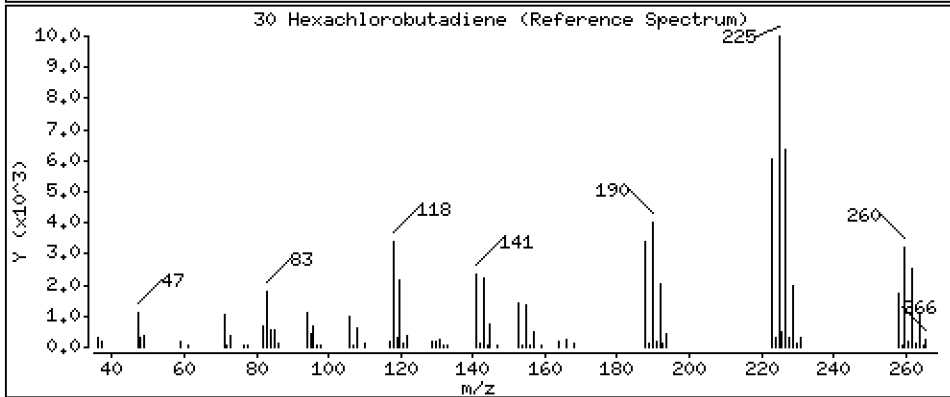
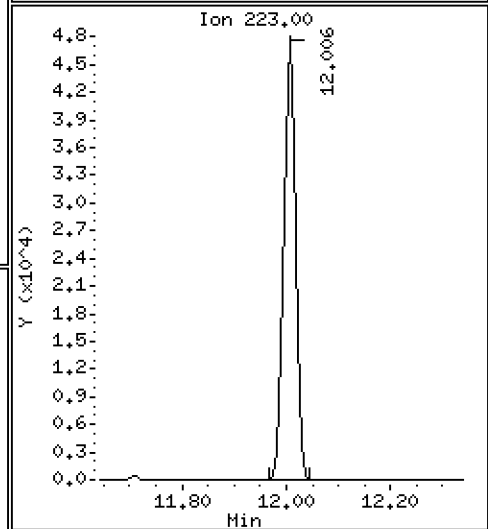
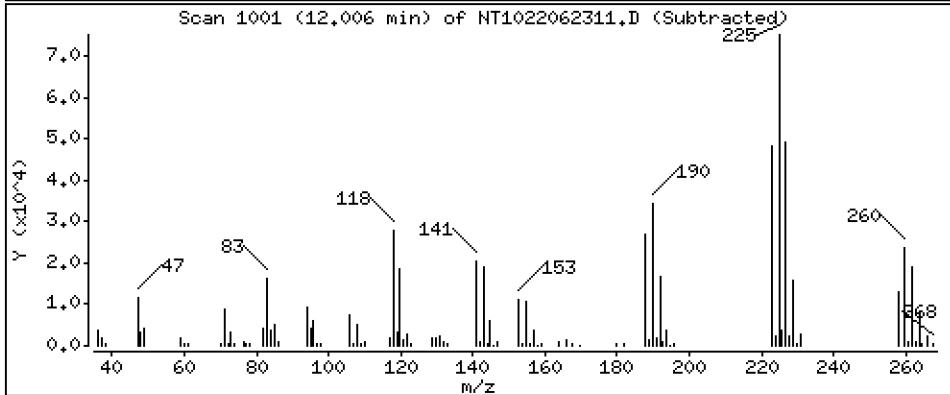
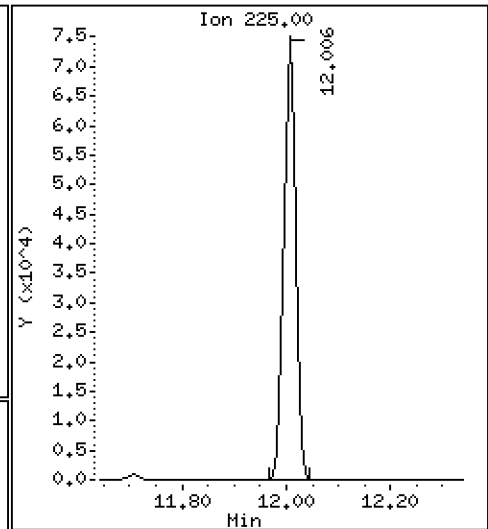
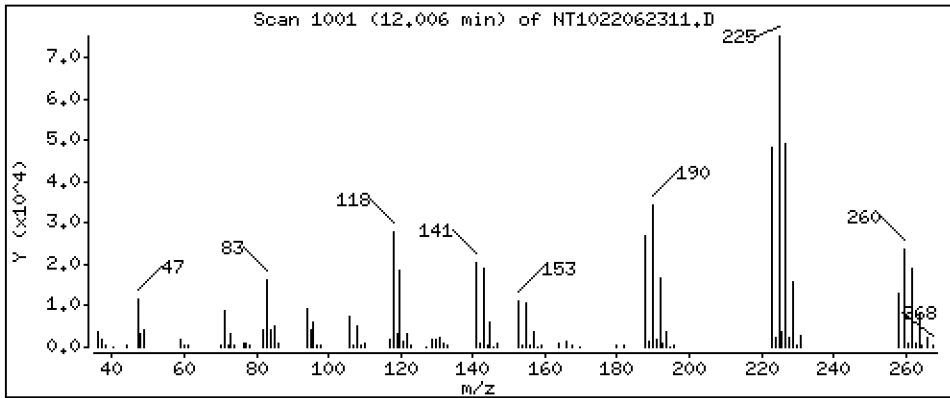
Operator: VTS

Column phase: ZB-5msi

Column diameter: 0,25

30 Hexachlorobutadiene

Concentration: 5,339 ug/mL



Date : 23-JUN-2022 15:20

Client ID:

Instrument: nt10.i

Sample Info: SKF0270-SCV1

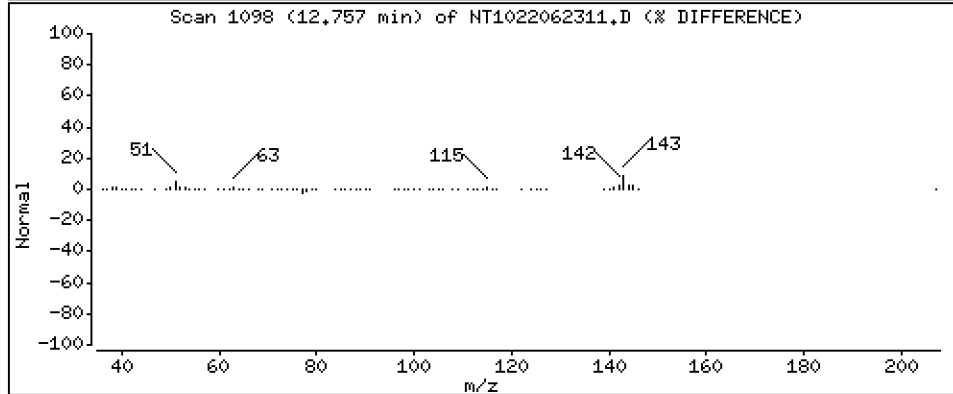
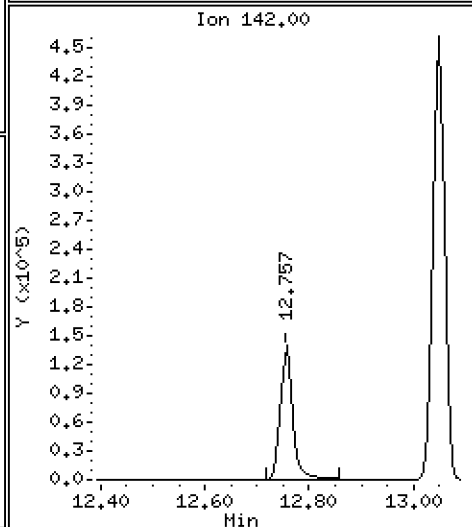
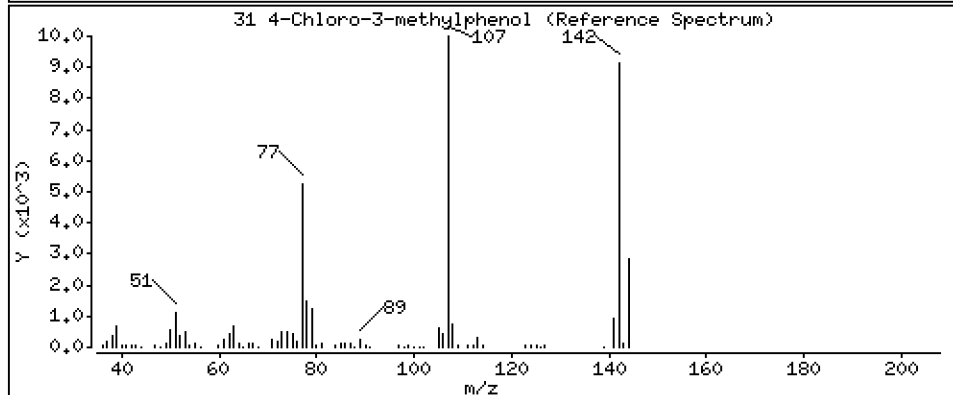
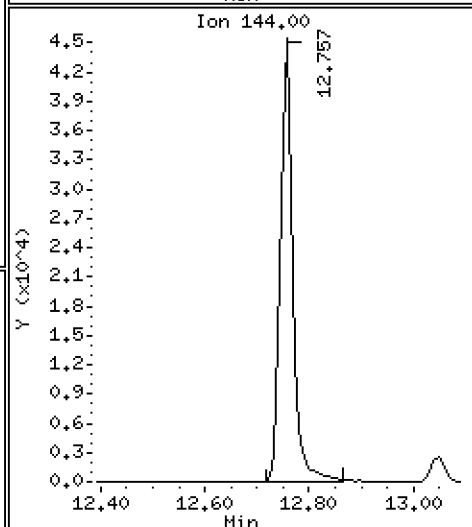
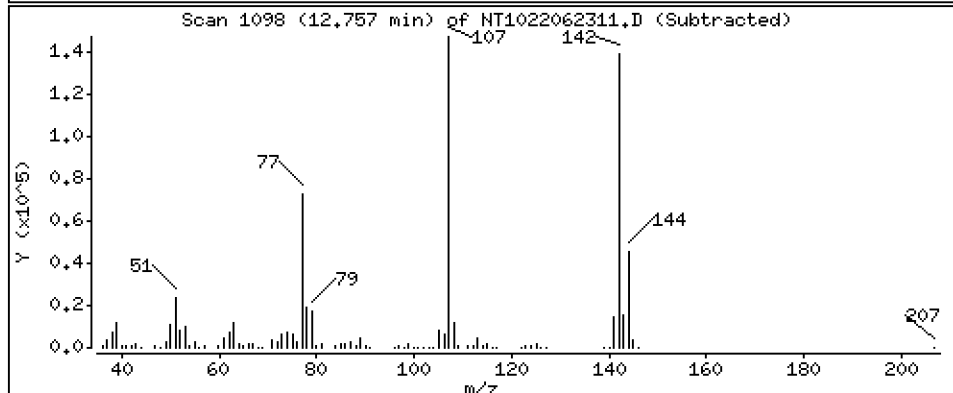
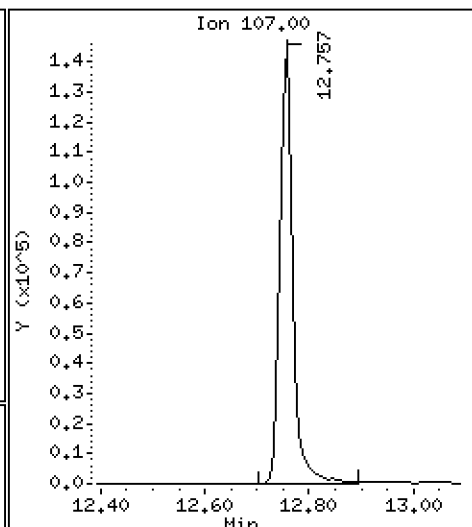
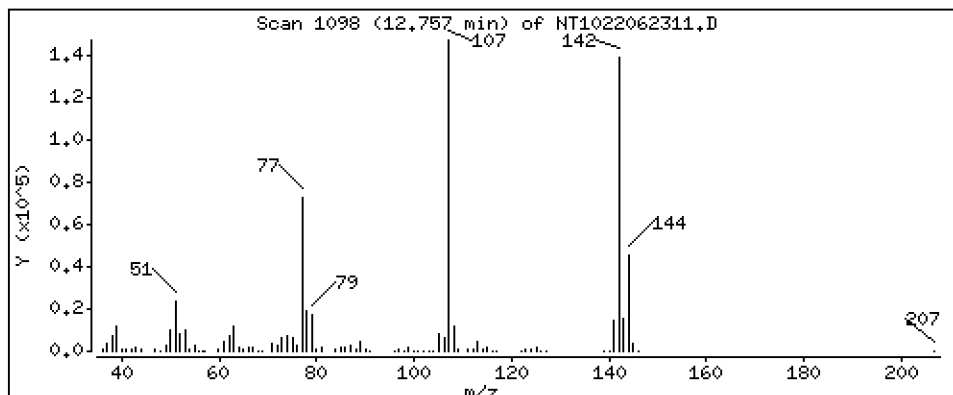
Operator: VTS

Column phase: ZB-5msi

Column diameter: 0,25

31 4-Chloro-3-methylphenol

Concentration: 4,853 ug/mL



Date : 23-JUN-2022 15:20

Client ID:

Instrument: nt10.i

Sample Info: SKF0270-SCV1

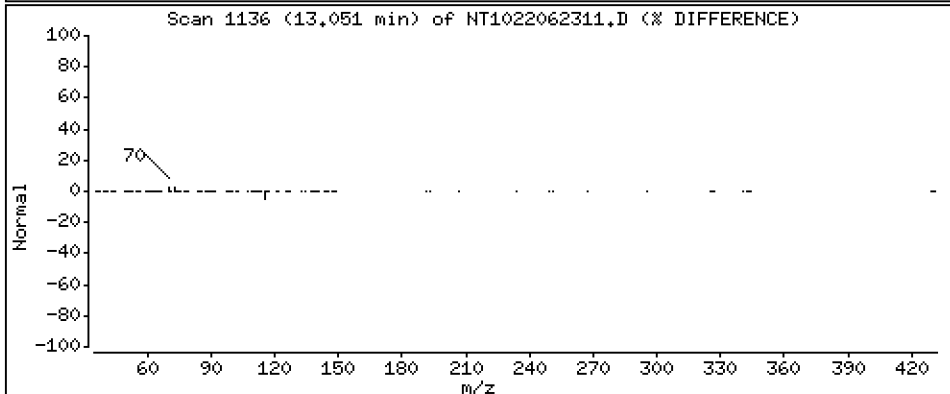
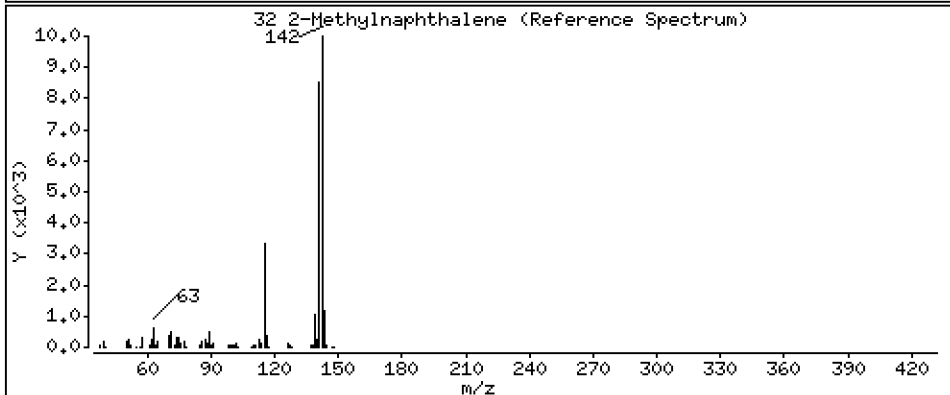
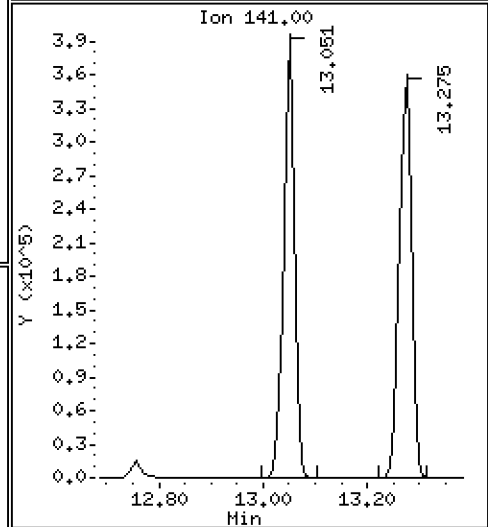
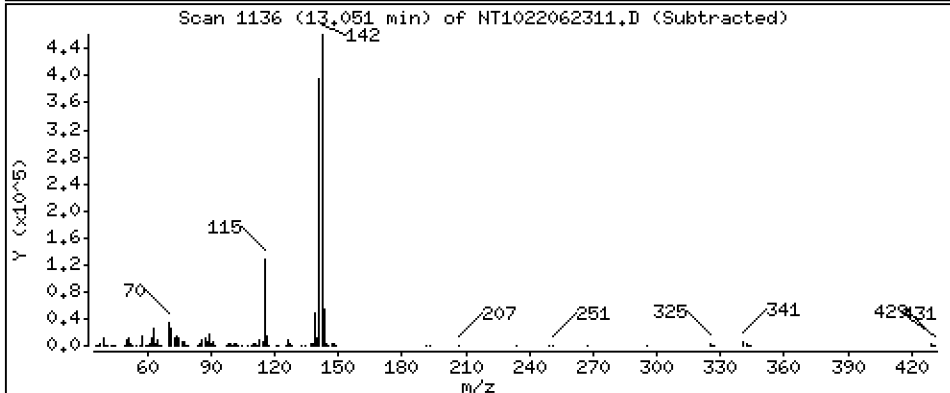
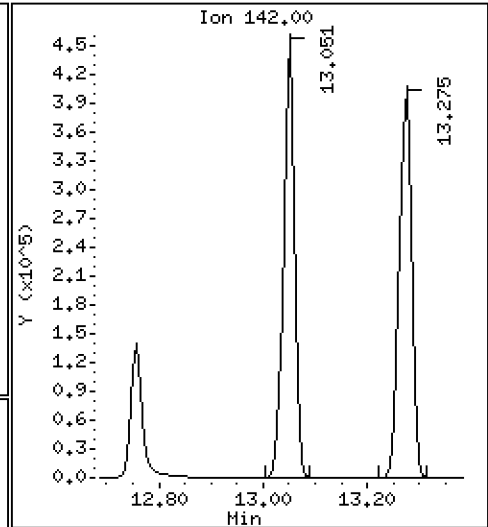
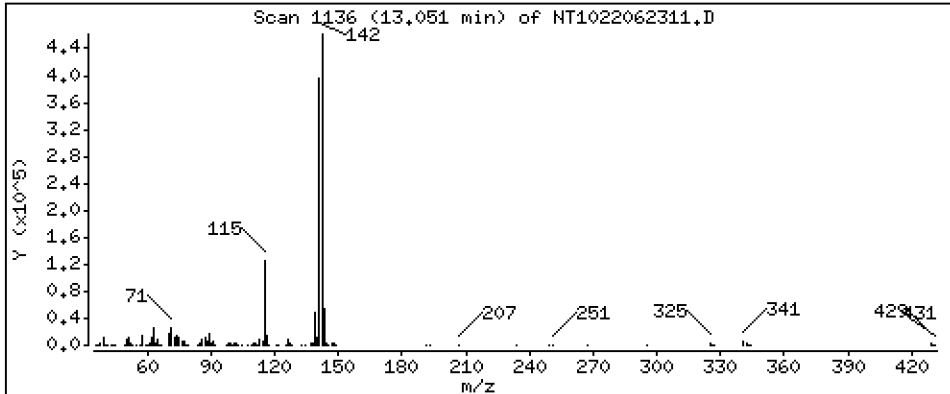
Operator: VTS

Column phase: ZB-5msi

Column diameter: 0,25

32 2-Methylnaphthalene

Concentration: 5,214 ug/mL



Date : 23-JUN-2022 15:20

Client ID:

Instrument: nt10.i

Sample Info: SKF0270-SCV1

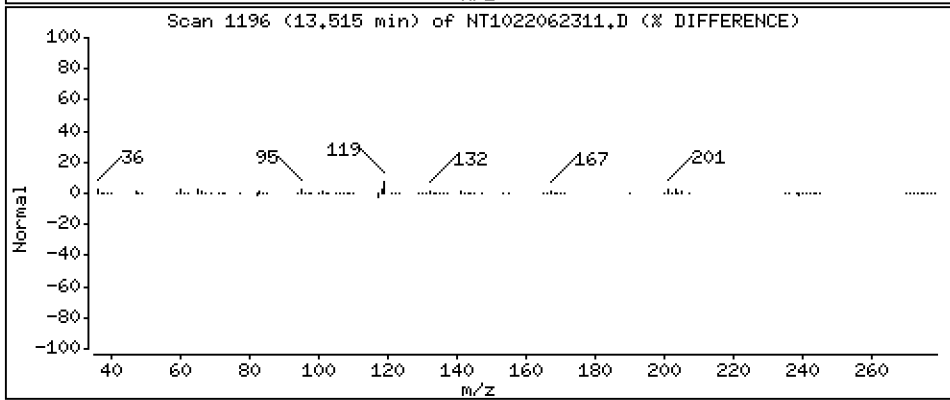
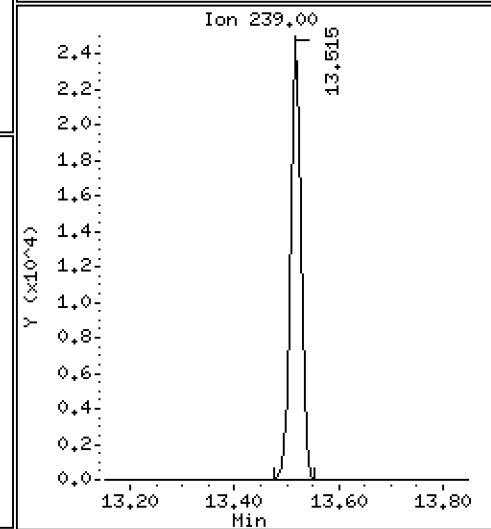
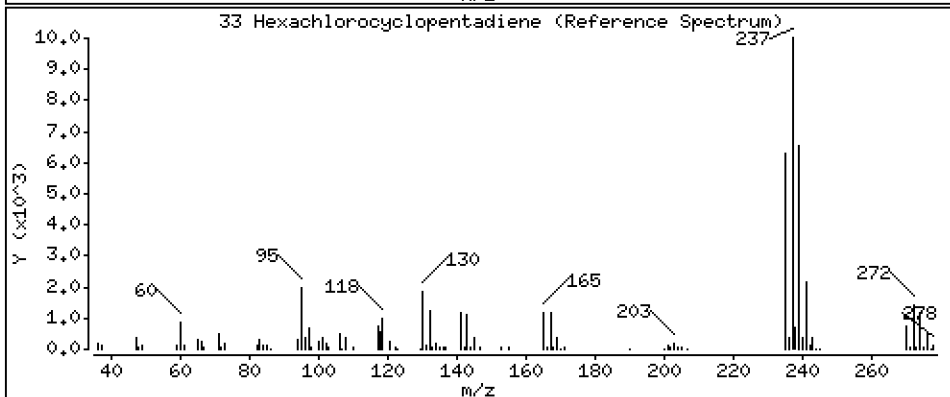
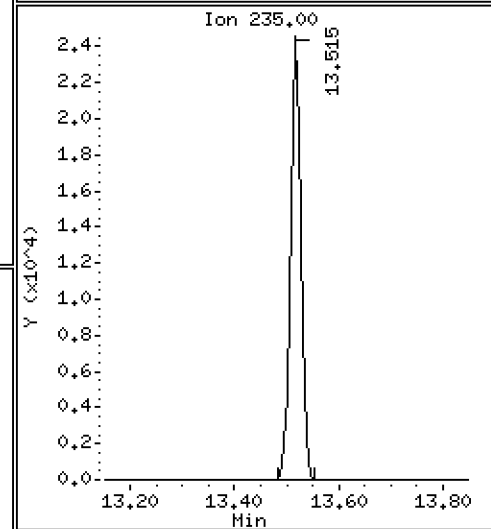
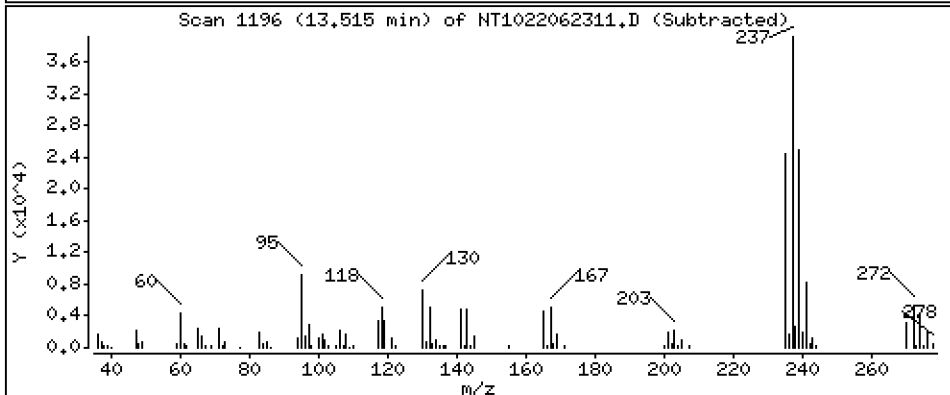
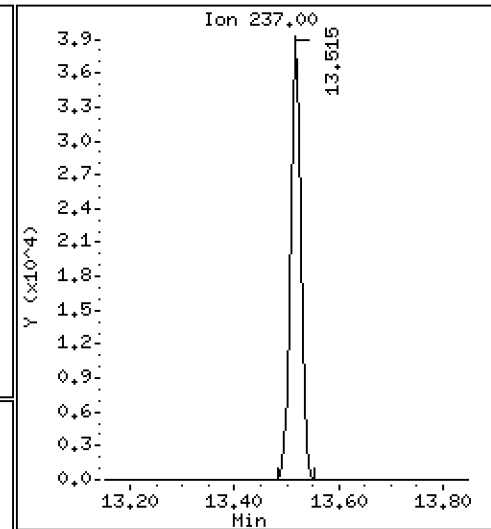
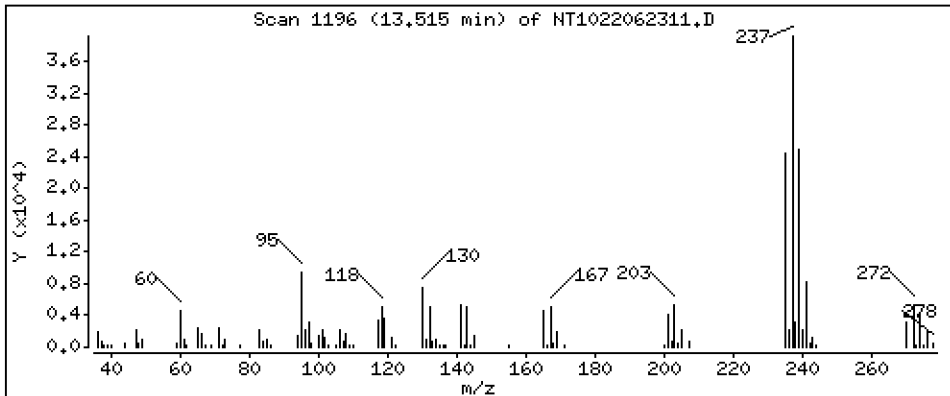
Operator: VTS

Column phase: ZB-5msi

Column diameter: 0,25

33 Hexachlorocyclopentadiene

Concentration: 3,326 ug/mL



Date : 23-JUN-2022 15:20

Client ID:

Instrument: nt10.i

Sample Info: SKF0270-SCV1

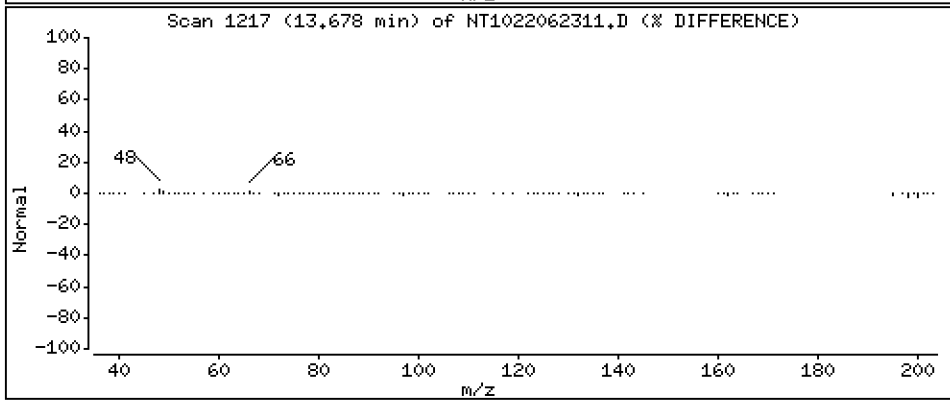
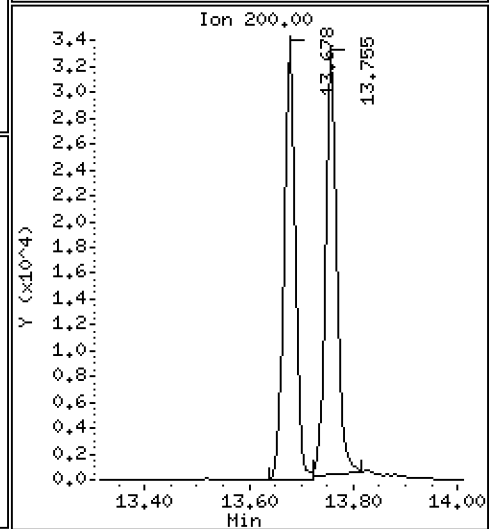
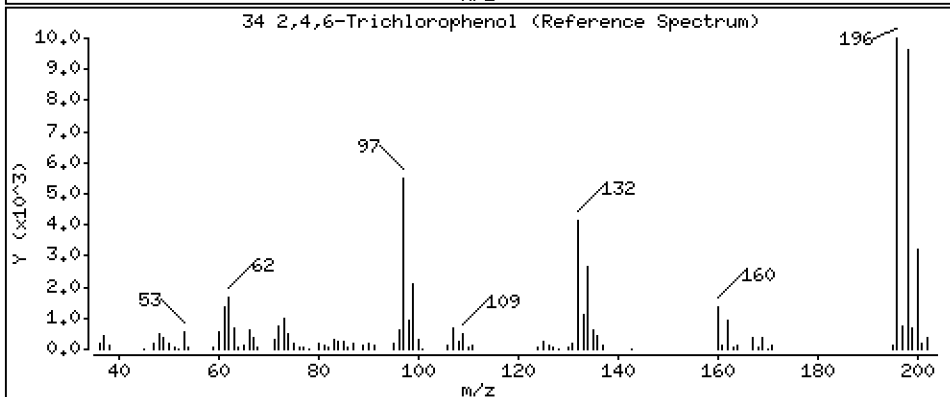
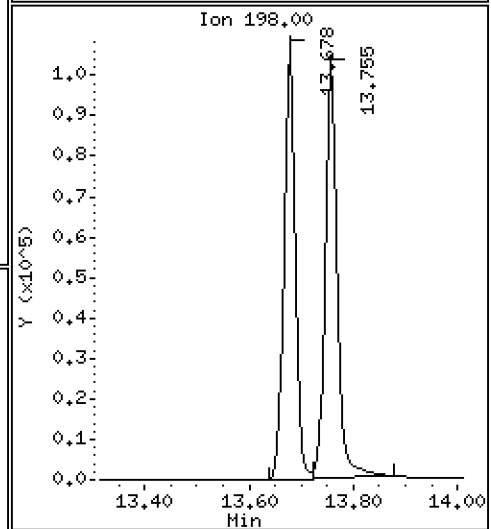
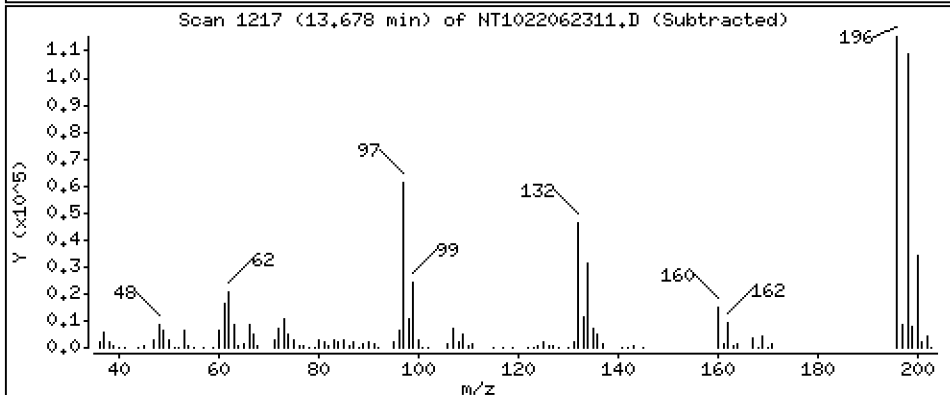
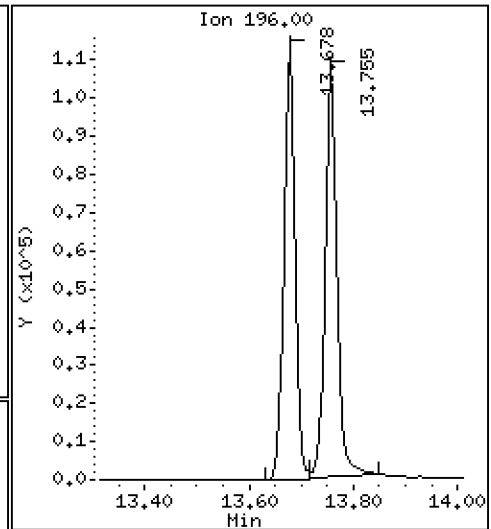
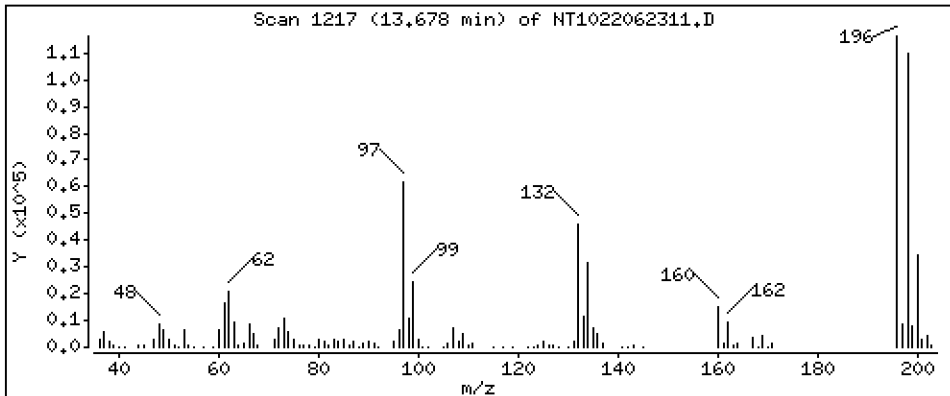
Operator: VTS

Column phase: ZB-5msi

Column diameter: 0,25

34 2,4,6-Trichlorophenol

Concentration: 5,242 ug/mL



Date : 23-JUN-2022 15:20

Client ID:

Instrument: nt10.i

Sample Info: SKF0270-SCV1

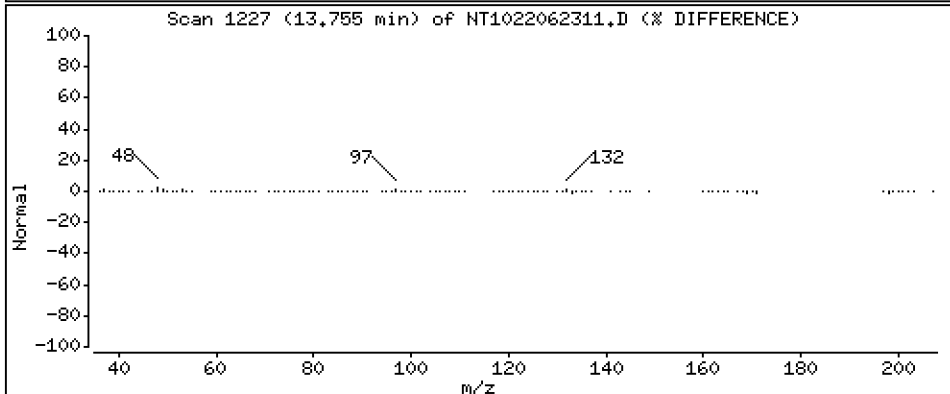
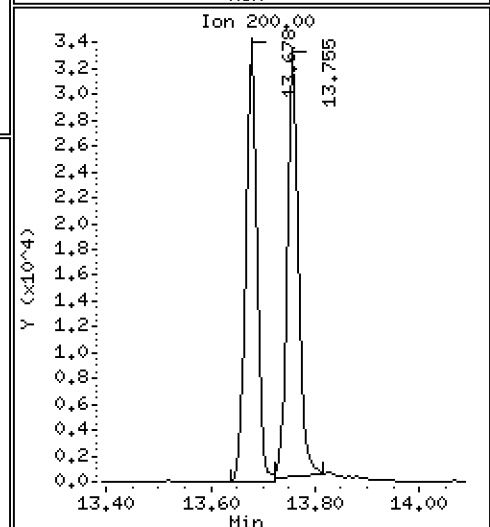
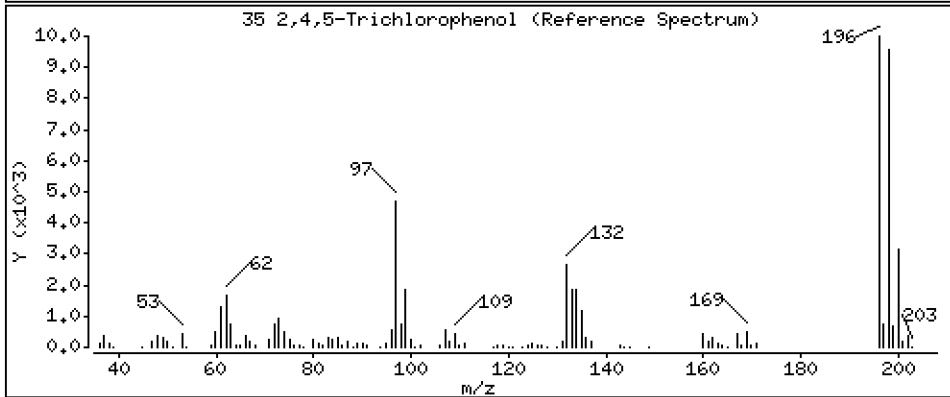
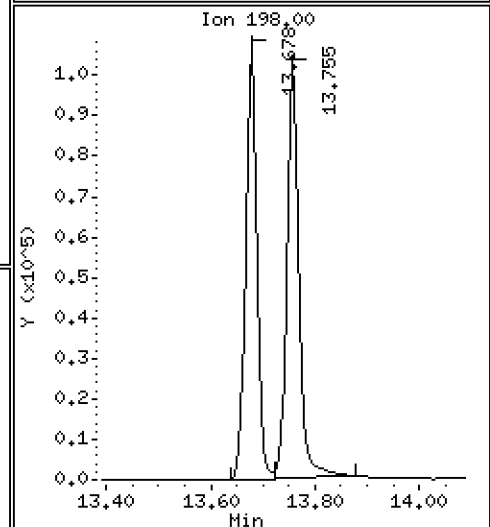
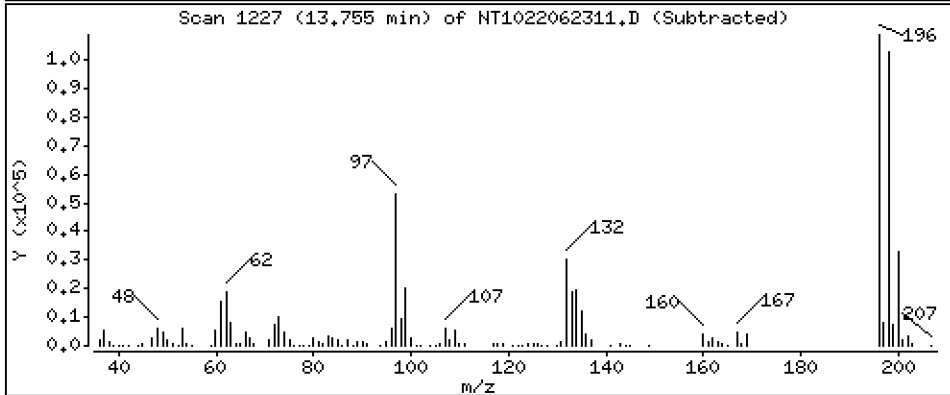
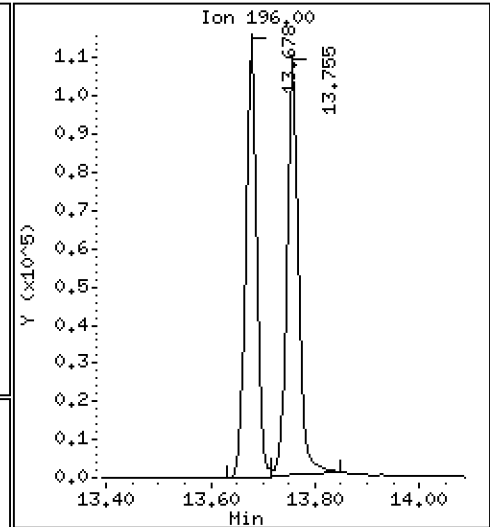
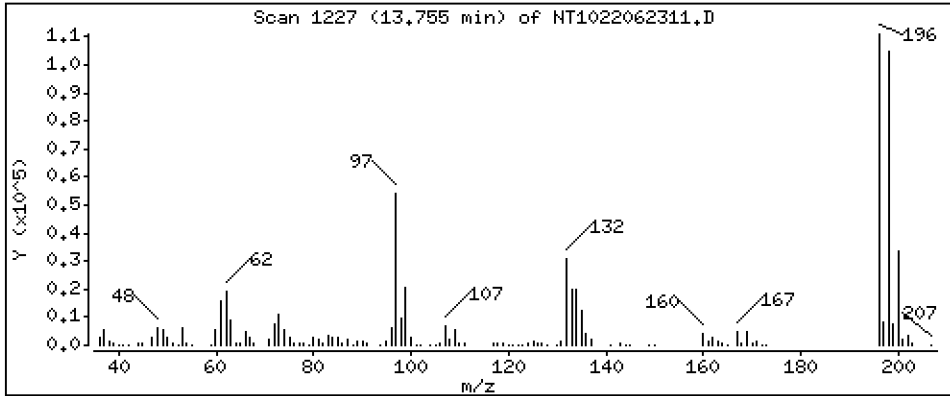
Operator: VTS

Column phase: ZB-5msi

Column diameter: 0,25

35 2,4,5-Trichlorophenol

Concentration: 4,427 ug/mL



Date : 23-JUN-2022 15:20

Client ID:

Instrument: nt10.i

Sample Info: SKF0270-SCV1

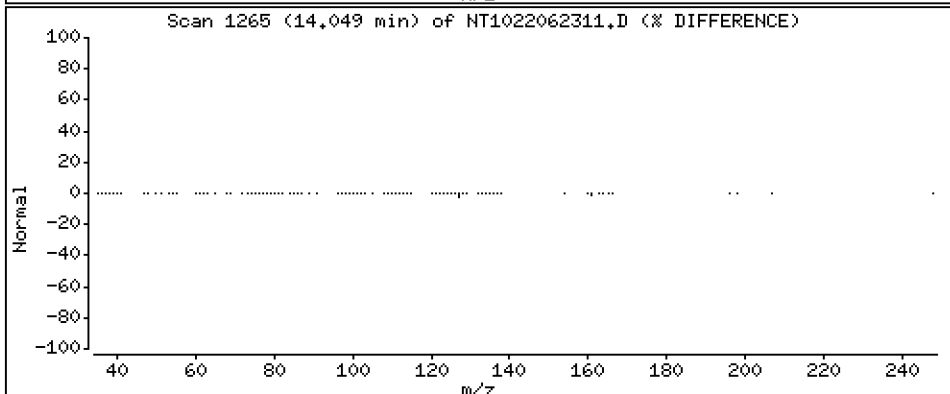
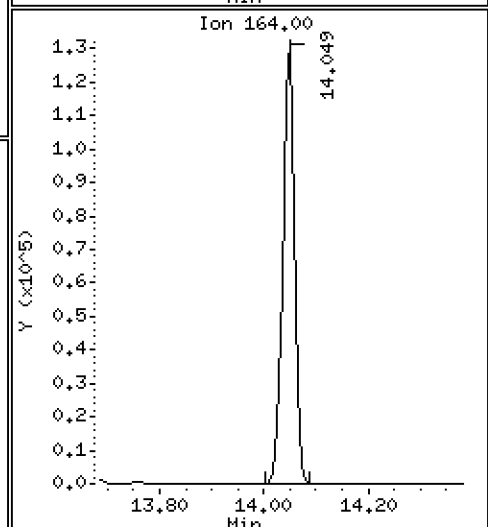
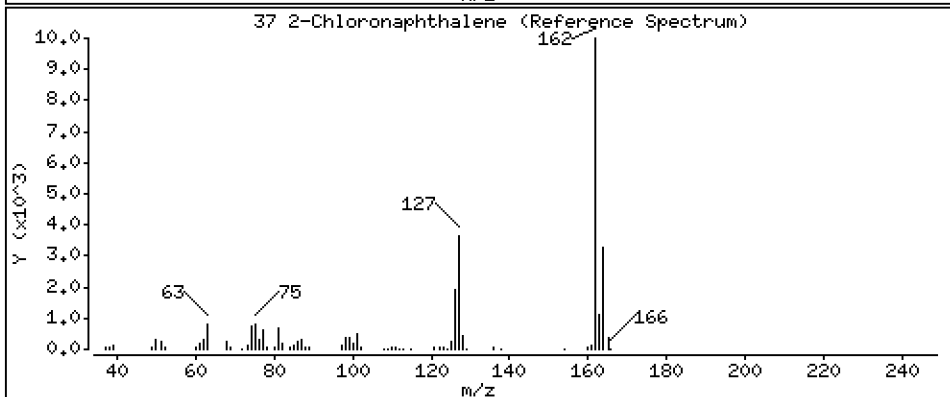
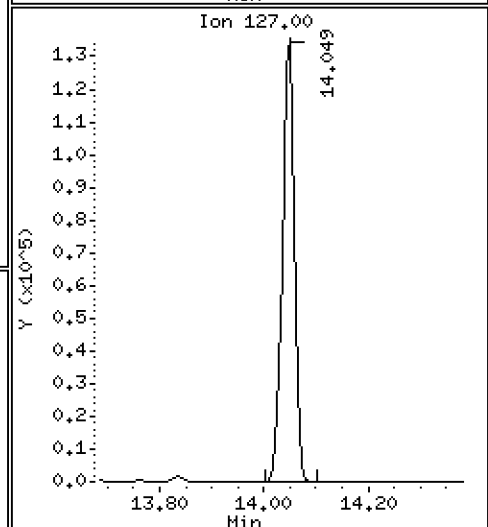
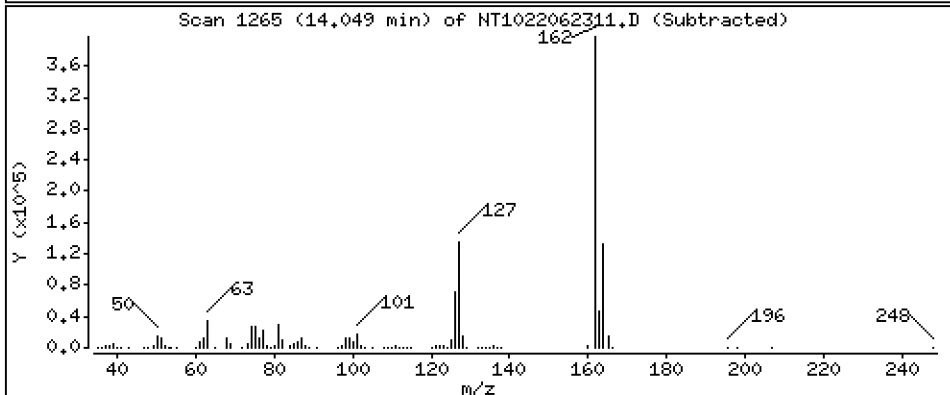
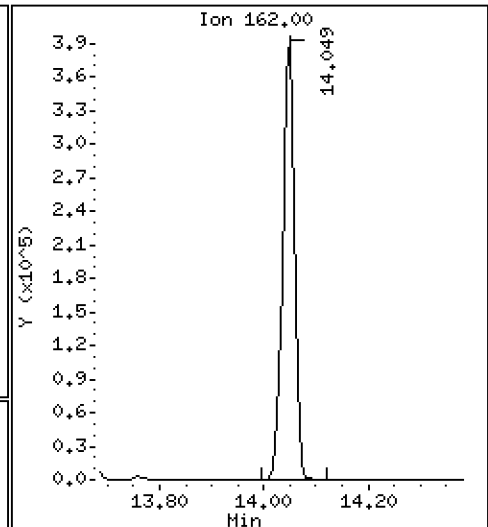
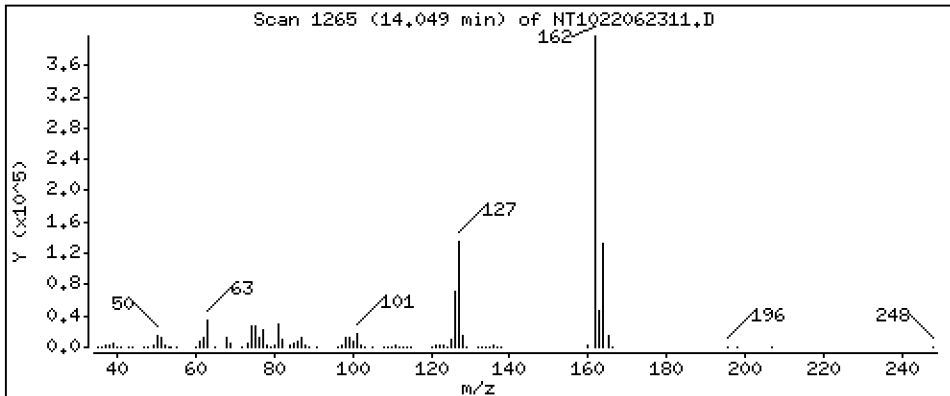
Operator: VTS

Column phase: ZB-5msi

Column diameter: 0,25

37 2-Chloronaphthalene

Concentration: 5,462 ug/mL



Date : 23-JUN-2022 15:20

Client ID:

Instrument: nt10.i

Sample Info: SKF0270-SCV1

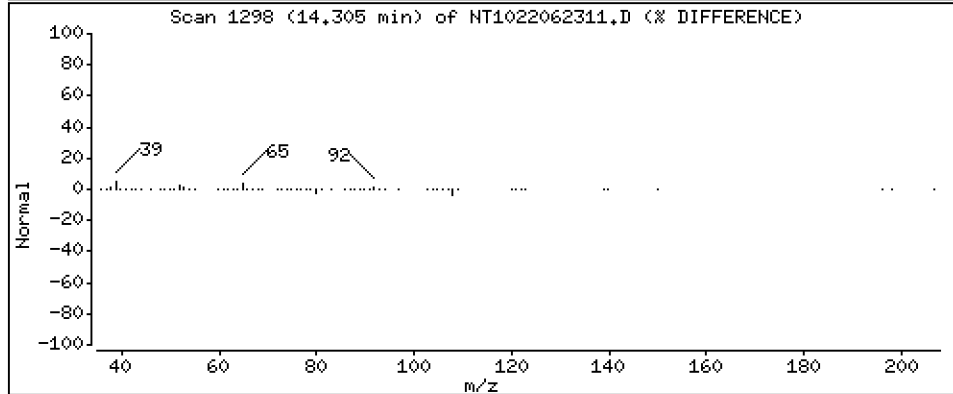
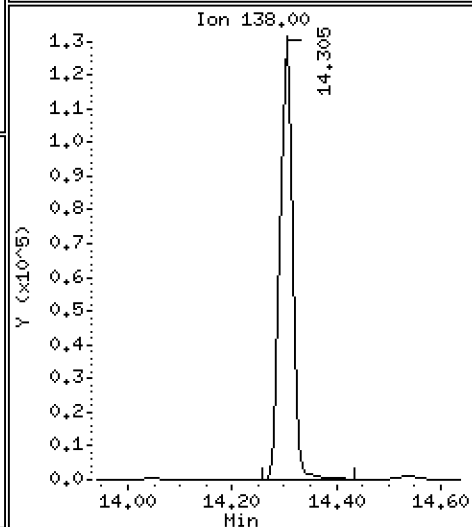
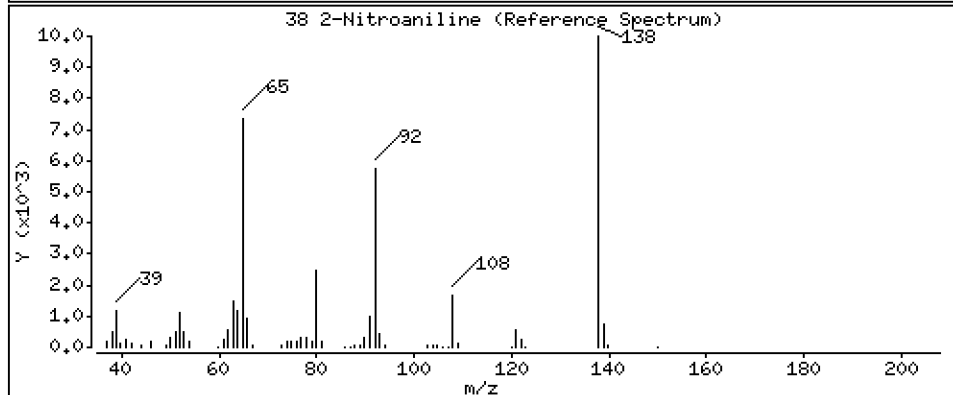
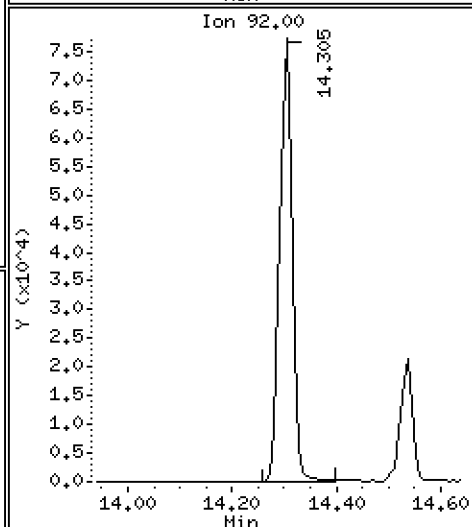
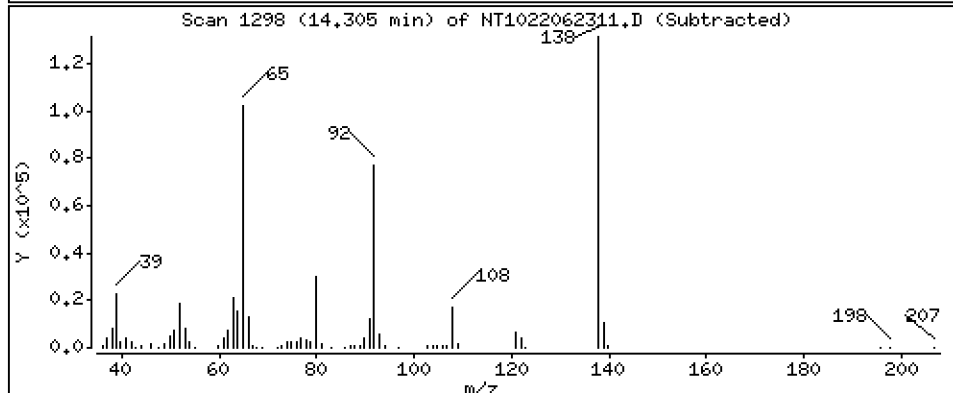
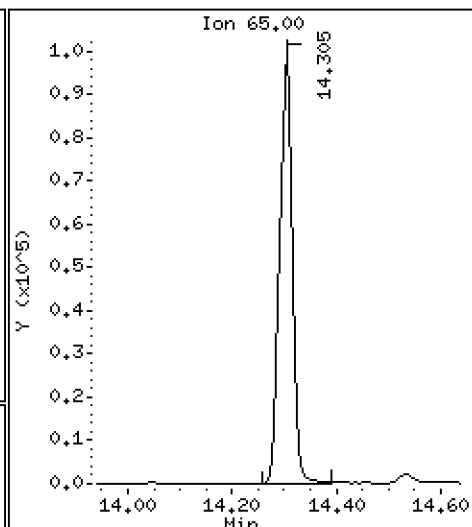
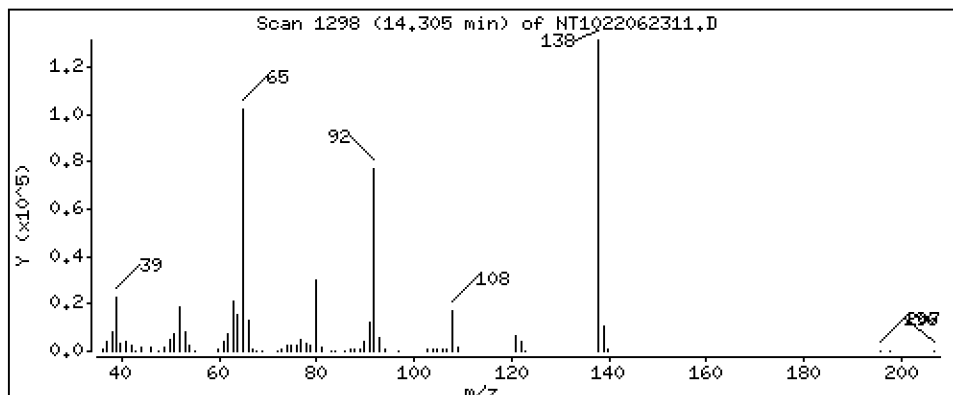
Operator: VTS

Column phase: ZB-5msi

Column diameter: 0,25

38 2-Nitroaniline

Concentration: 5,342 ug/mL



Date : 23-JUN-2022 15:20

Client ID:

Instrument: nt10.i

Sample Info: SKF0270-SCV1

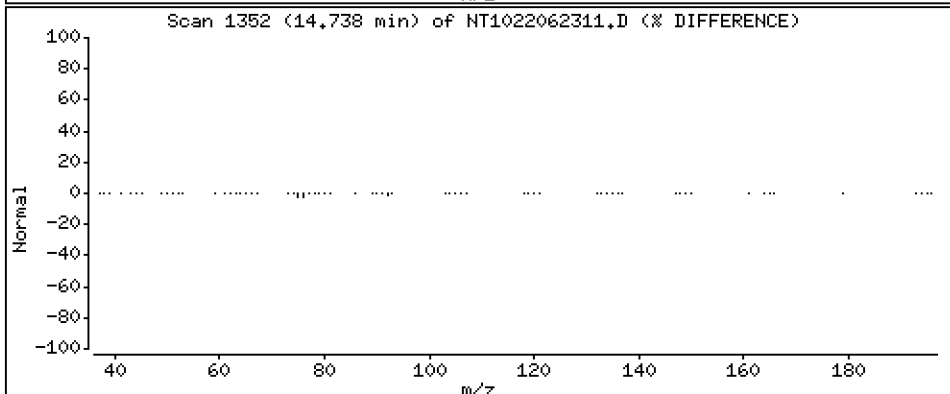
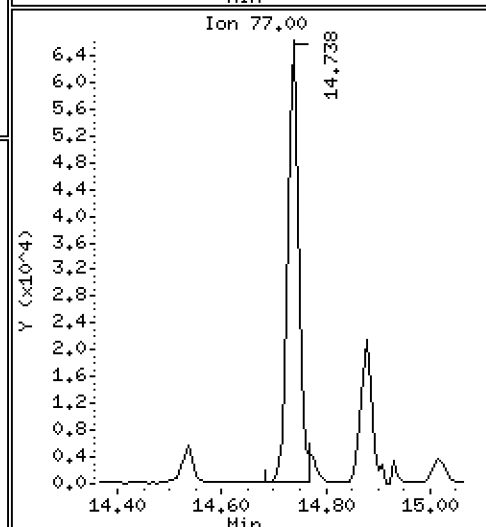
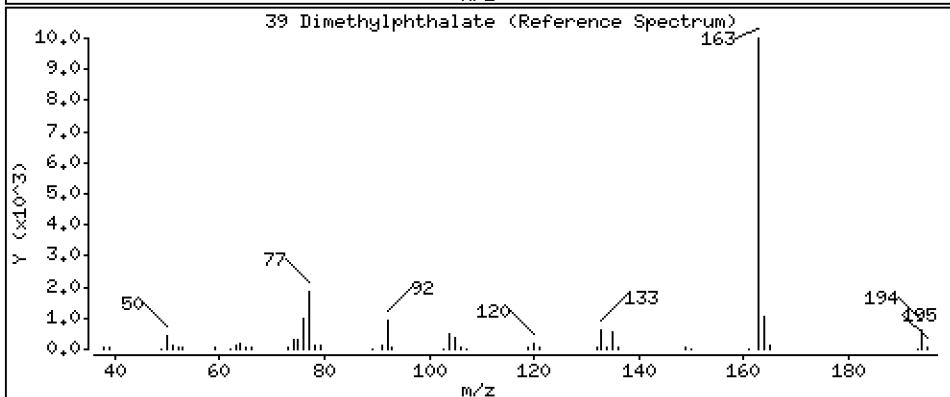
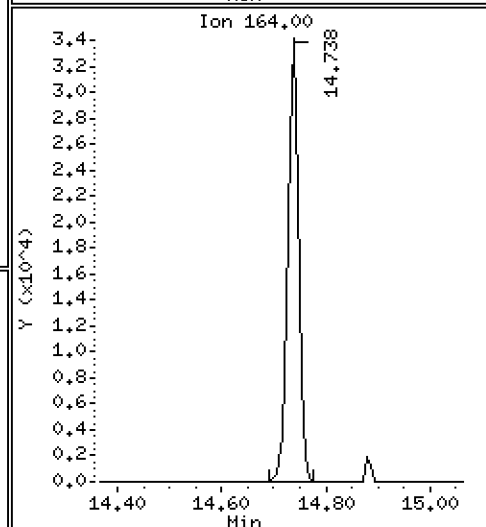
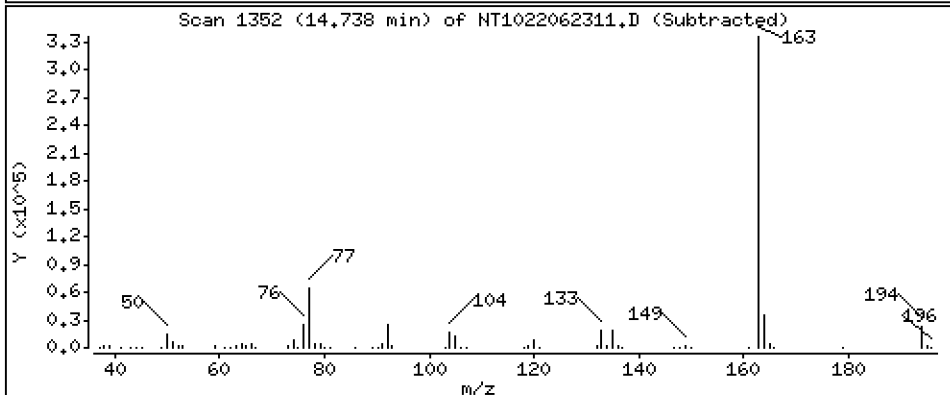
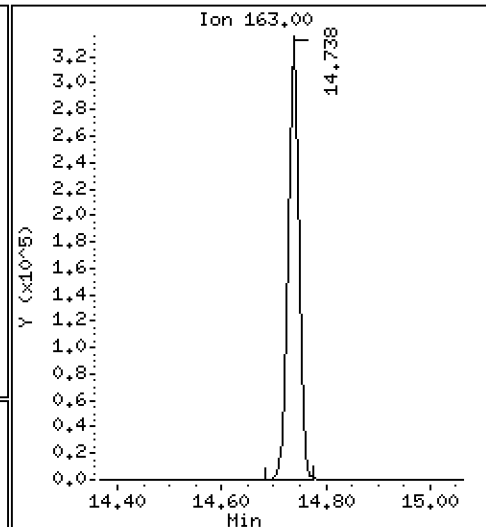
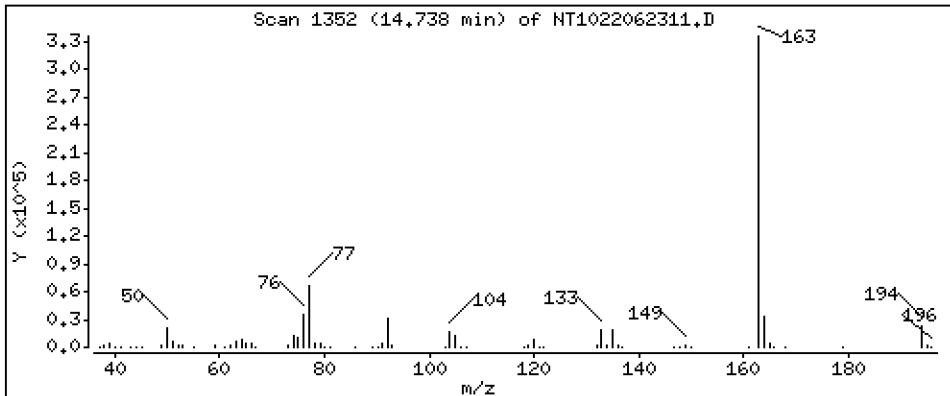
Operator: VTS

Column phase: ZB-5msi

Column diameter: 0,25

39 Dimethylphthalate

Concentration: 4,973 ug/mL



Date : 23-JUN-2022 15:20

Client ID:

Instrument: nt10.i

Sample Info: SKF0270-SCV1

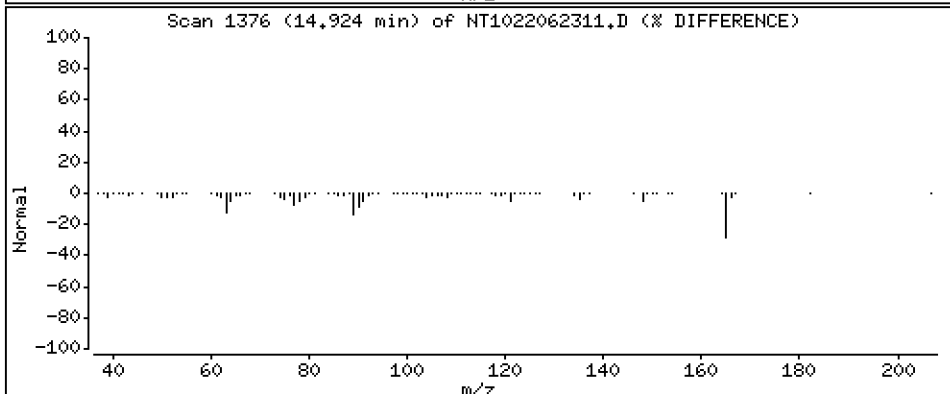
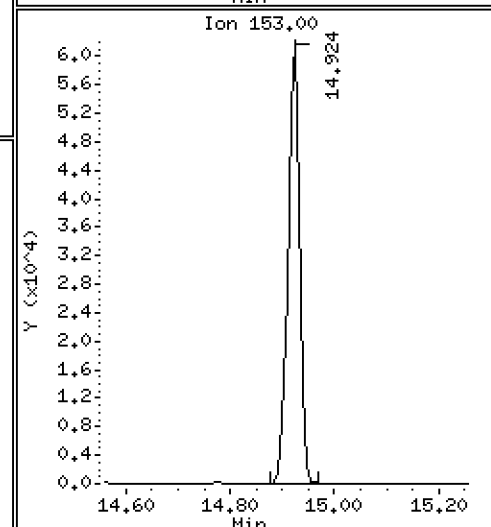
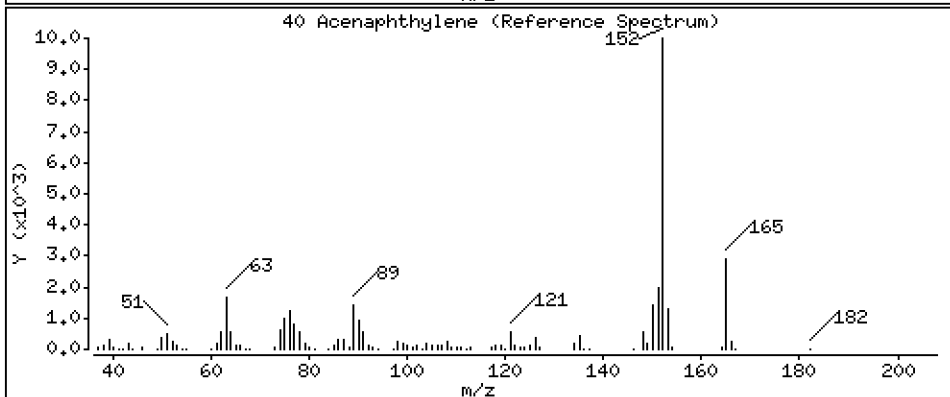
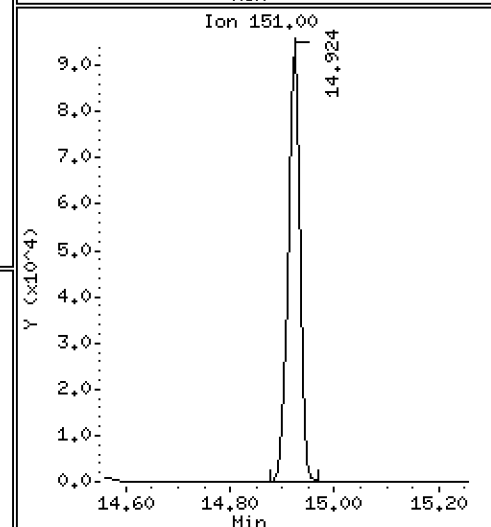
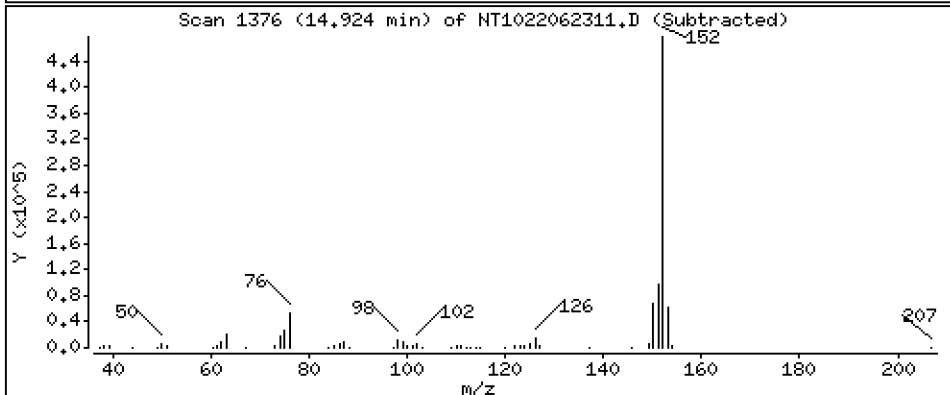
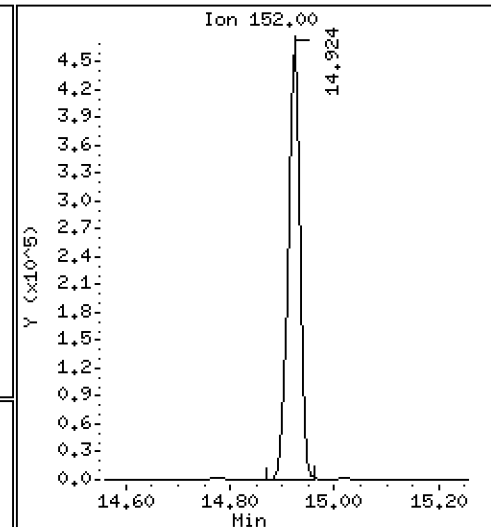
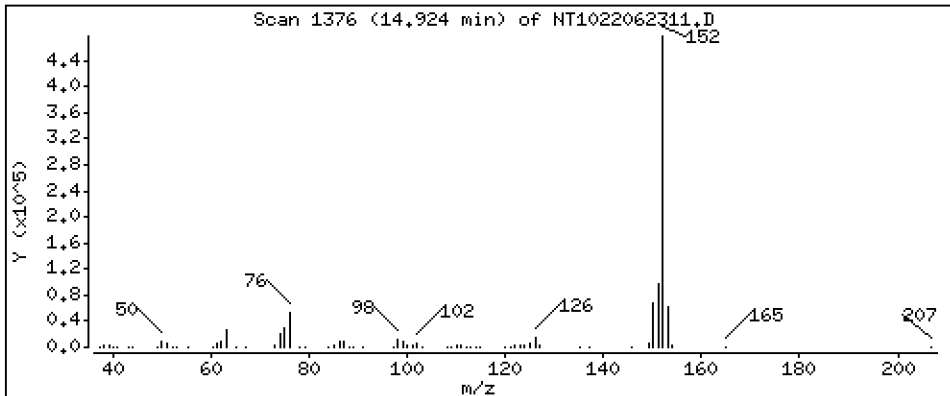
Operator: VTS

Column phase: ZB-5msi

Column diameter: 0,25

40 Acenaphthylene

Concentration: 4,476 ug/mL



Date : 23-JUN-2022 15:20

Client ID:

Instrument: nt10.i

Sample Info: SKF0270-SCV1

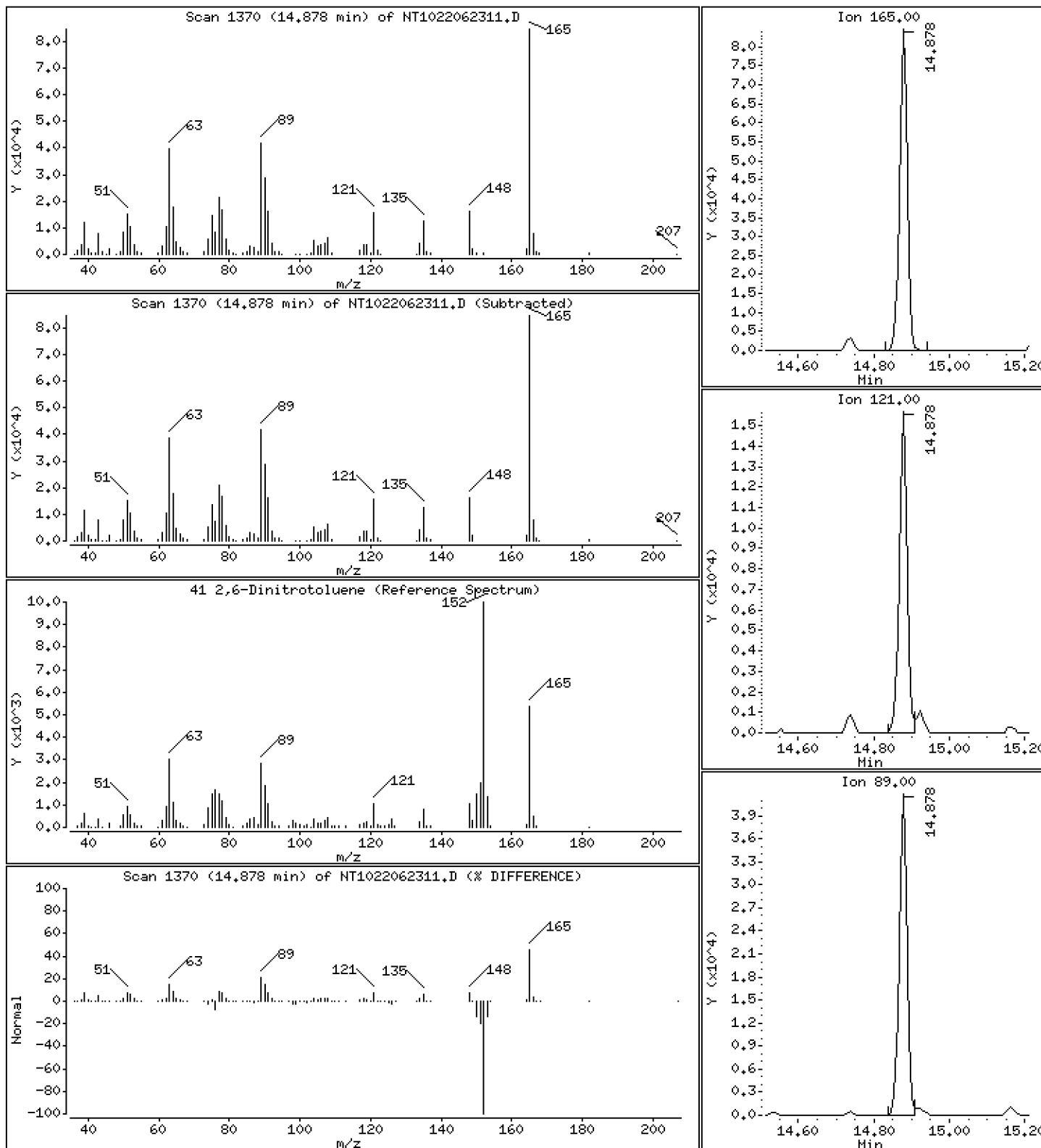
Operator: VTS

Column phase: ZB-5msi

Column diameter: 0,25

41 2,6-Dinitrotoluene

Concentration: 5,256 ug/mL



Date : 23-JUN-2022 15:20

Client ID:

Instrument: nt10.i

Sample Info: SKF0270-SCV1

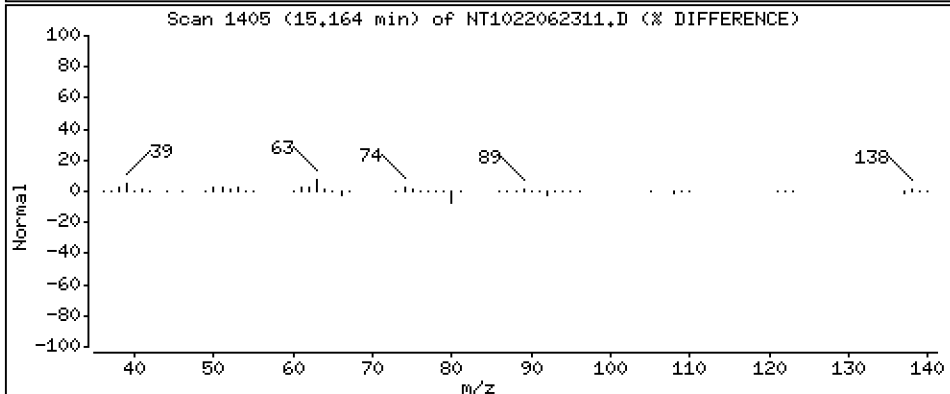
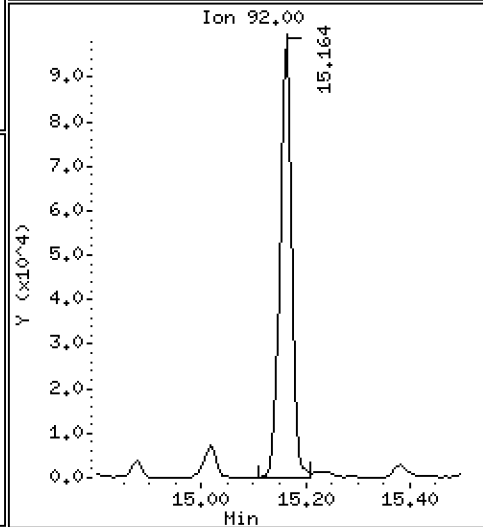
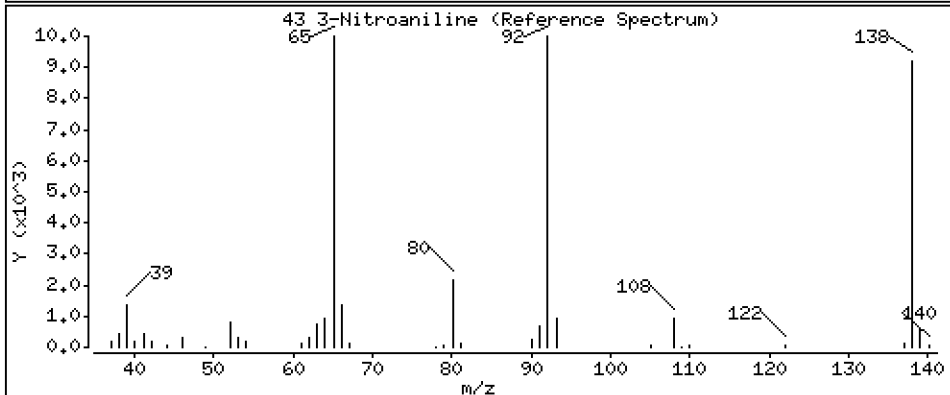
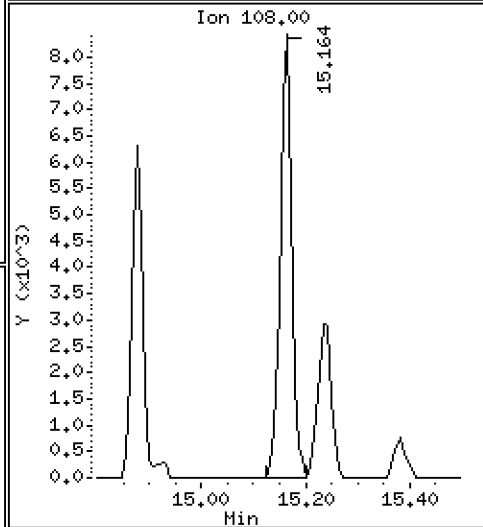
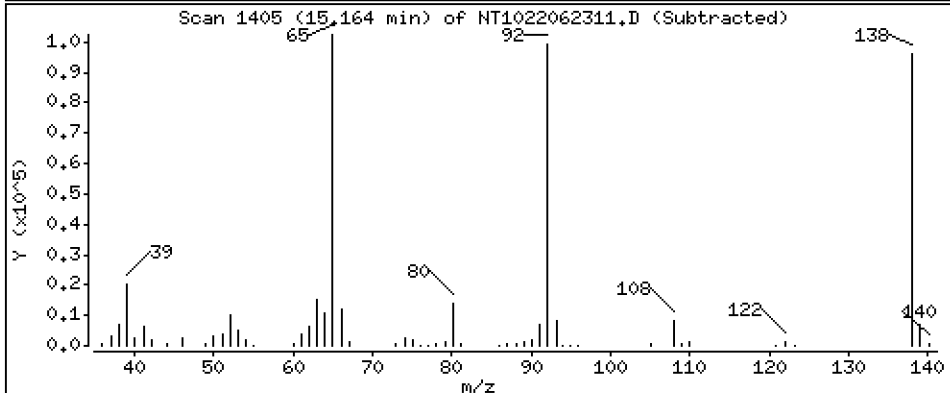
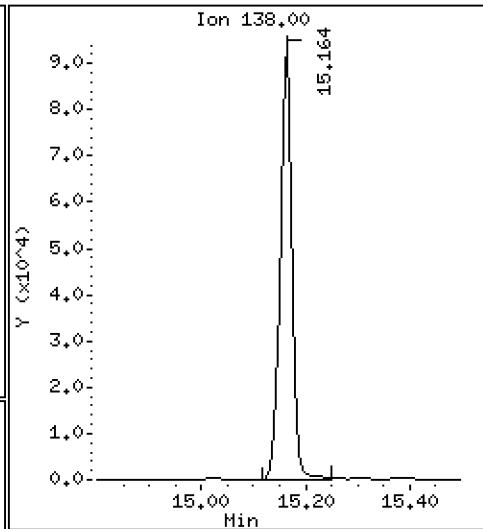
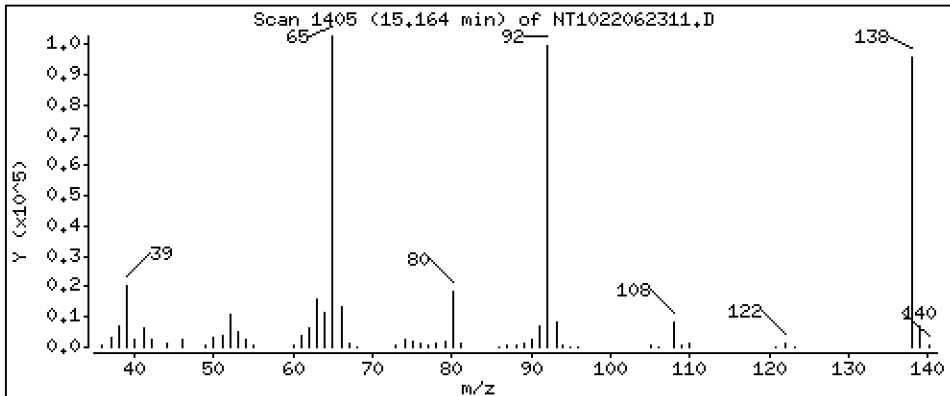
Operator: VTS

Column phase: ZB-5msi

Column diameter: 0,25

43 3-Nitroaniline

Concentration: 5,379 ug/mL



Date : 23-JUN-2022 15:20

Client ID:

Instrument: nt10.i

Sample Info: SKF0270-SCV1

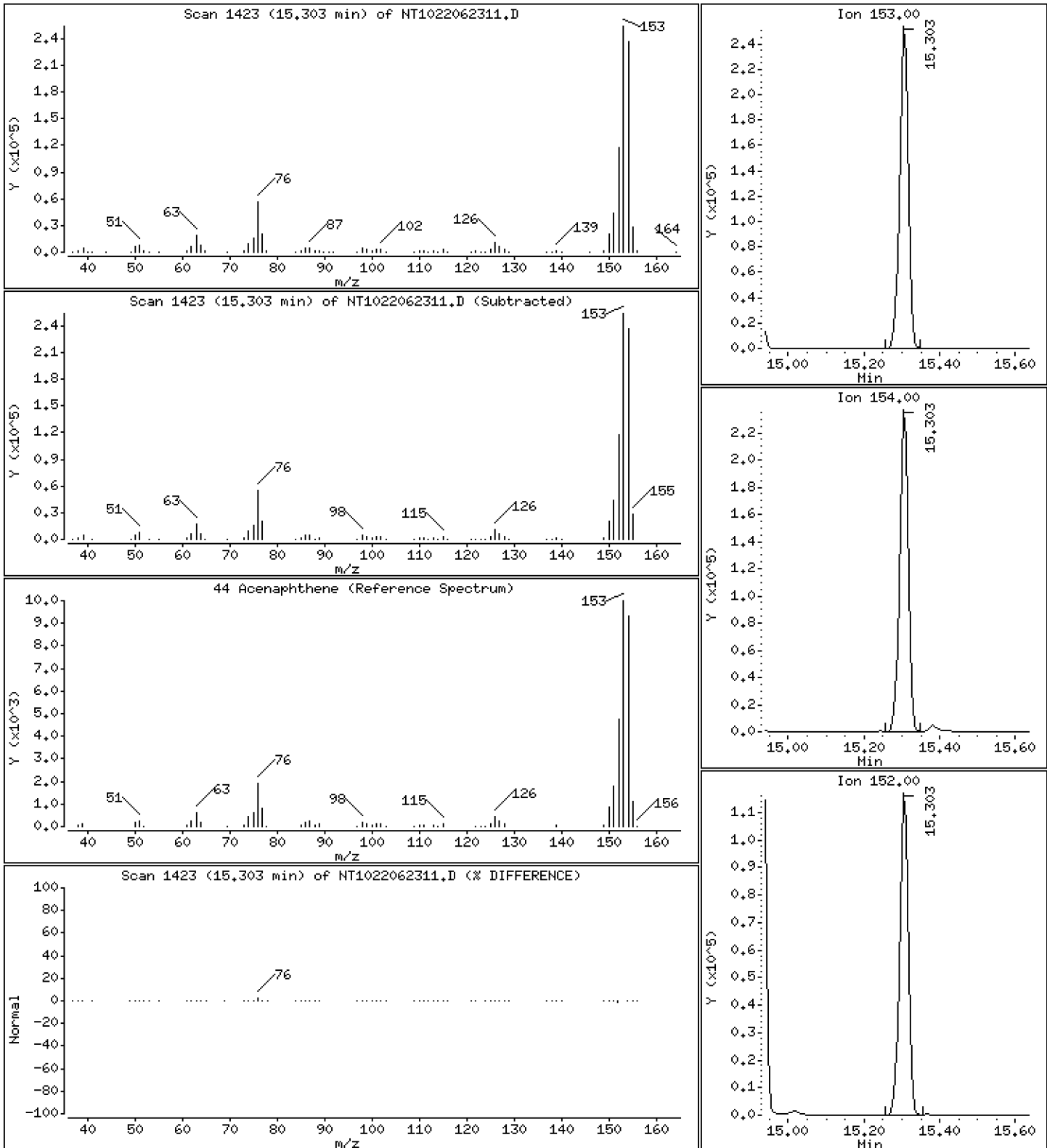
Operator: VTS

Column phase: ZB-5msi

Column diameter: 0,25

44 Acenaphthene

Concentration: 4,939 ug/mL



Date : 23-JUN-2022 15:20

Client ID:

Instrument: nt10.i

Sample Info: SKF0270-SCV1

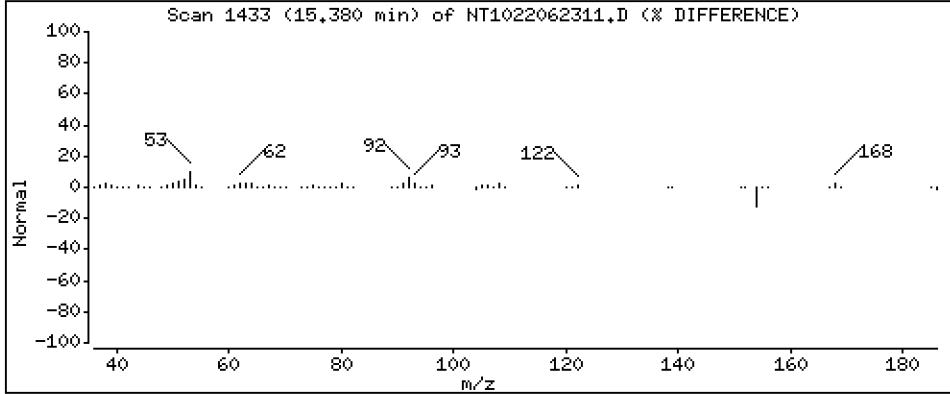
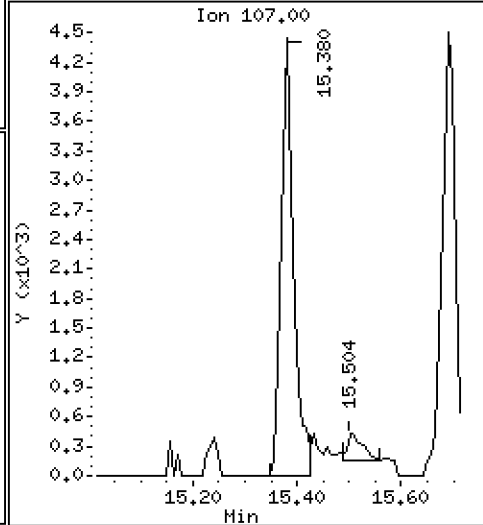
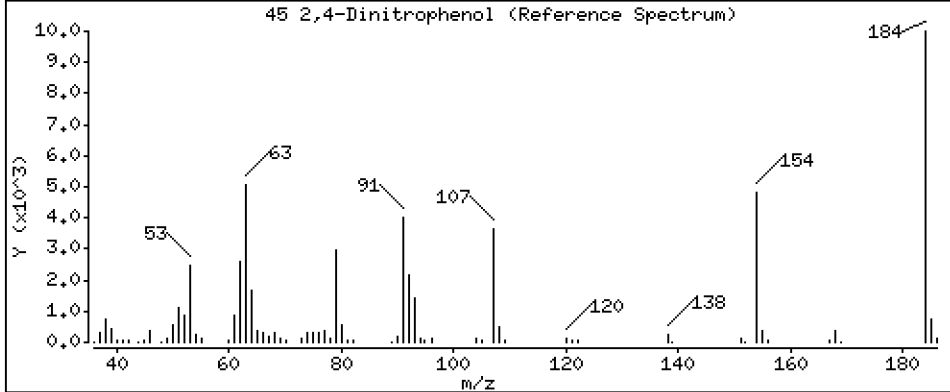
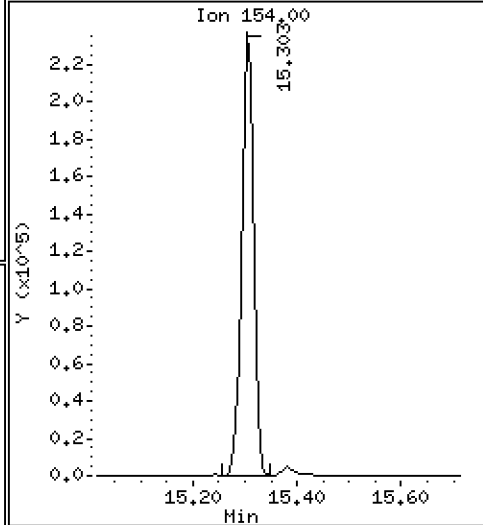
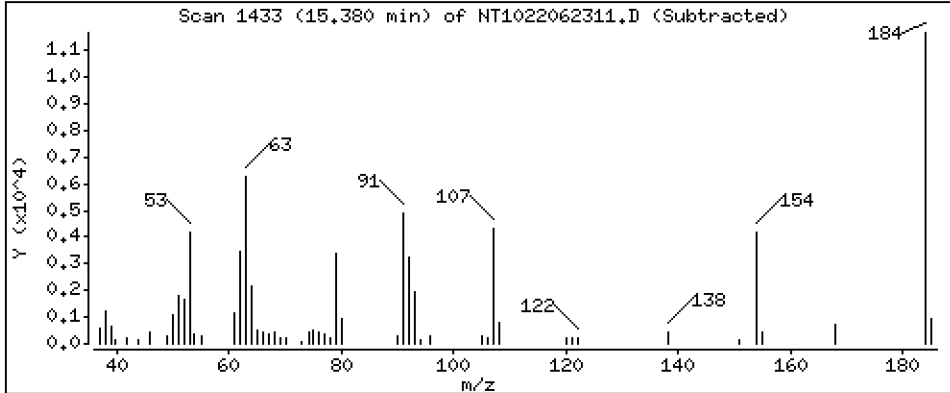
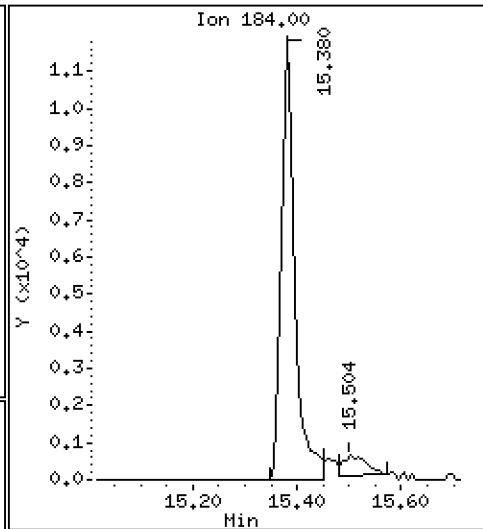
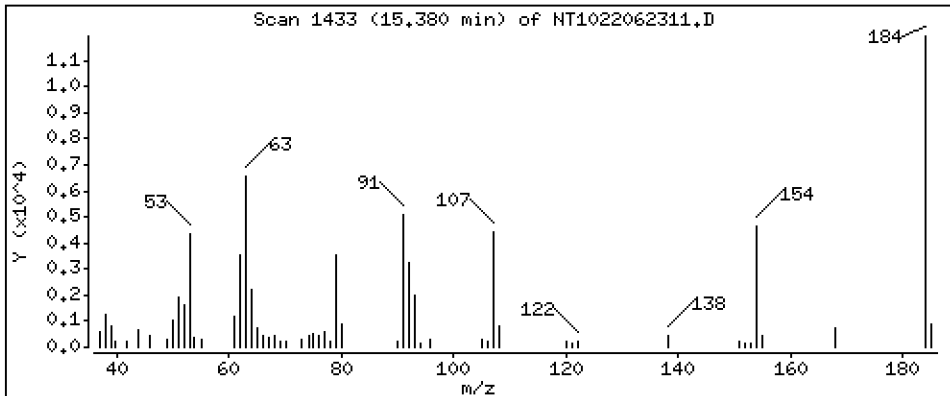
Operator: VTS

Column phase: ZB-5msi

Column diameter: 0,25

45 2,4-Dinitrophenol

Concentration: 2,023 ug/mL



Date : 23-JUN-2022 15:20

Client ID:

Instrument: nt10.i

Sample Info: SKF0270-SCV1

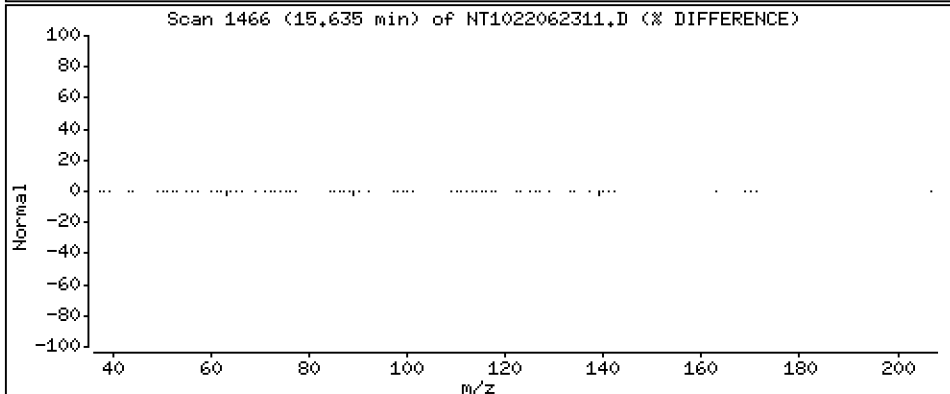
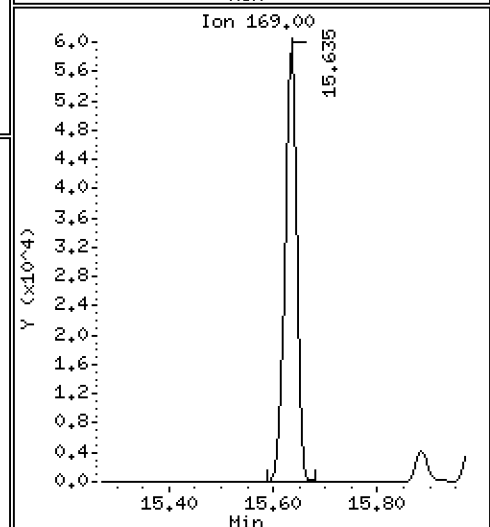
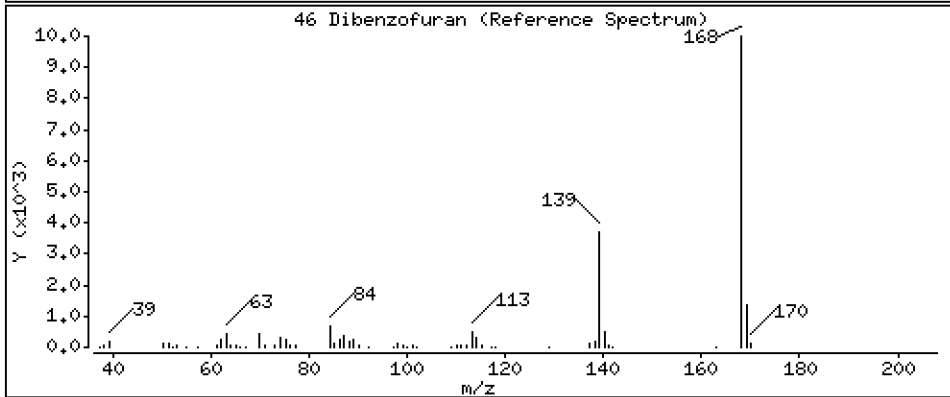
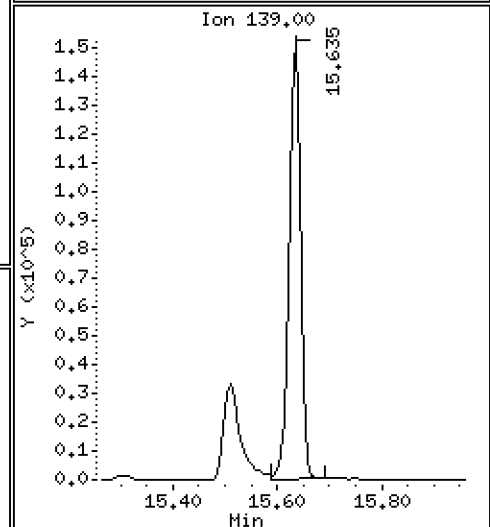
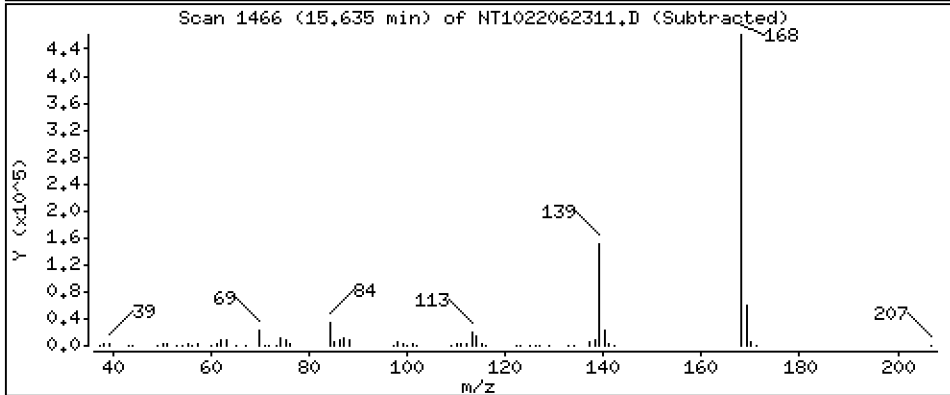
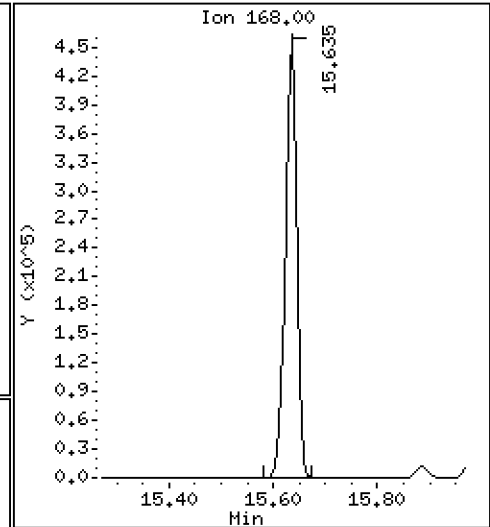
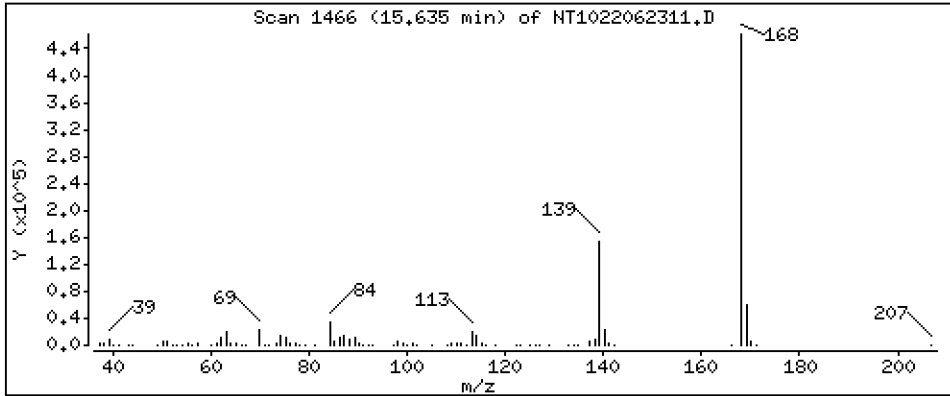
Operator: VTS

Column phase: ZB-5msi

Column diameter: 0,25

46 Dibenzofuran

Concentration: 5,340 ug/mL



Date : 23-JUN-2022 15:20

Client ID:

Instrument: nt10.i

Sample Info: SKF0270-SCV1

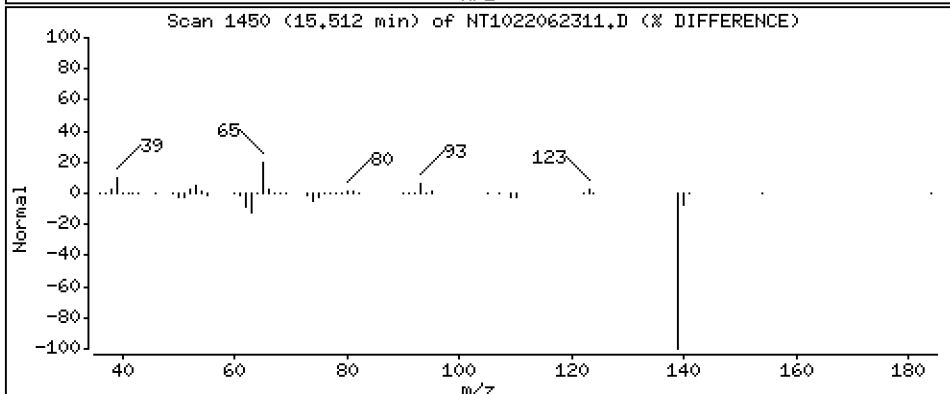
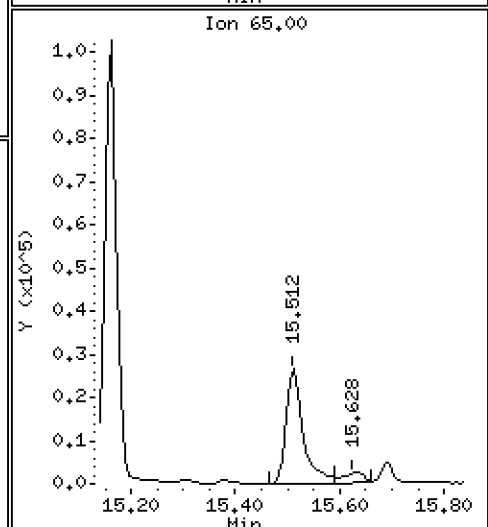
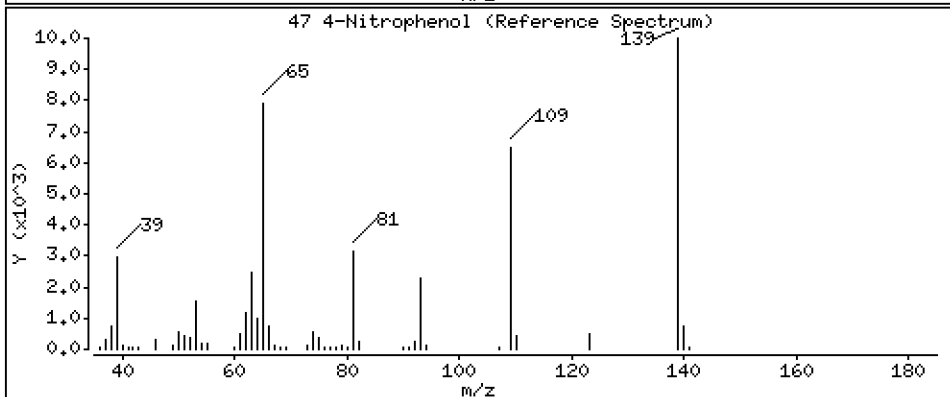
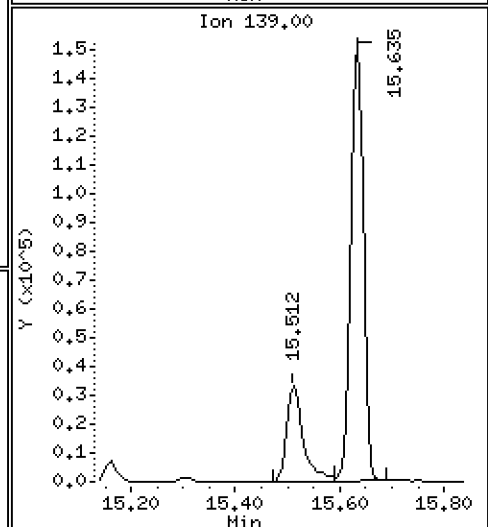
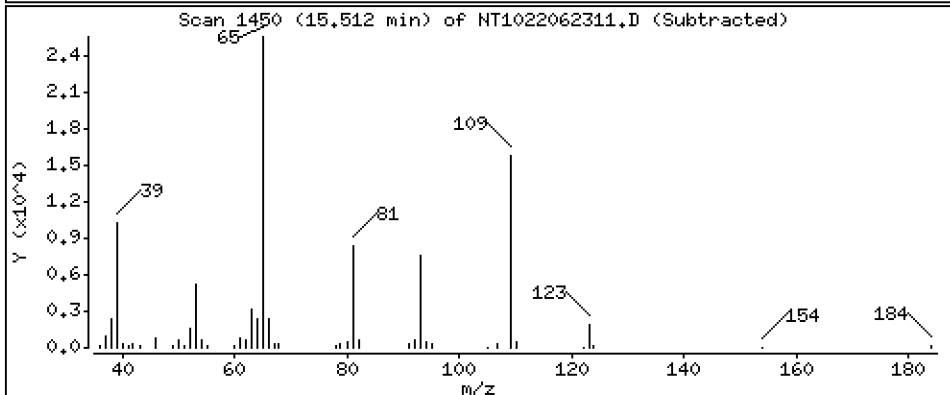
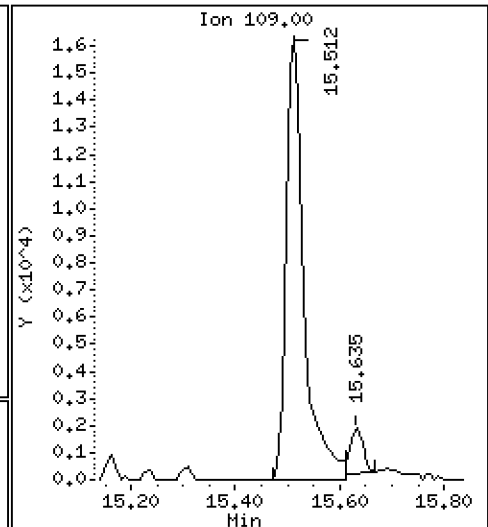
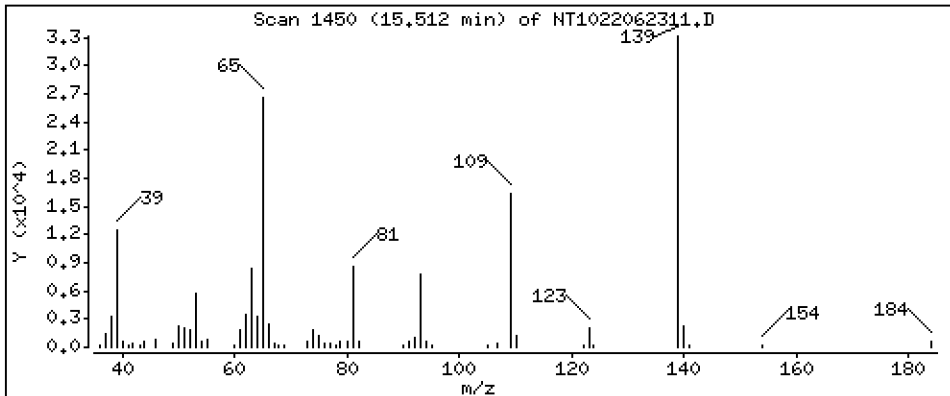
Operator: VTS

Column phase: ZB-5msi

Column diameter: 0,25

47 4-Nitrophenol

Concentration: 4,435 ug/mL



Date : 23-JUN-2022 15:20

Client ID:

Instrument: nt10.i

Sample Info: SKF0270-SCV1

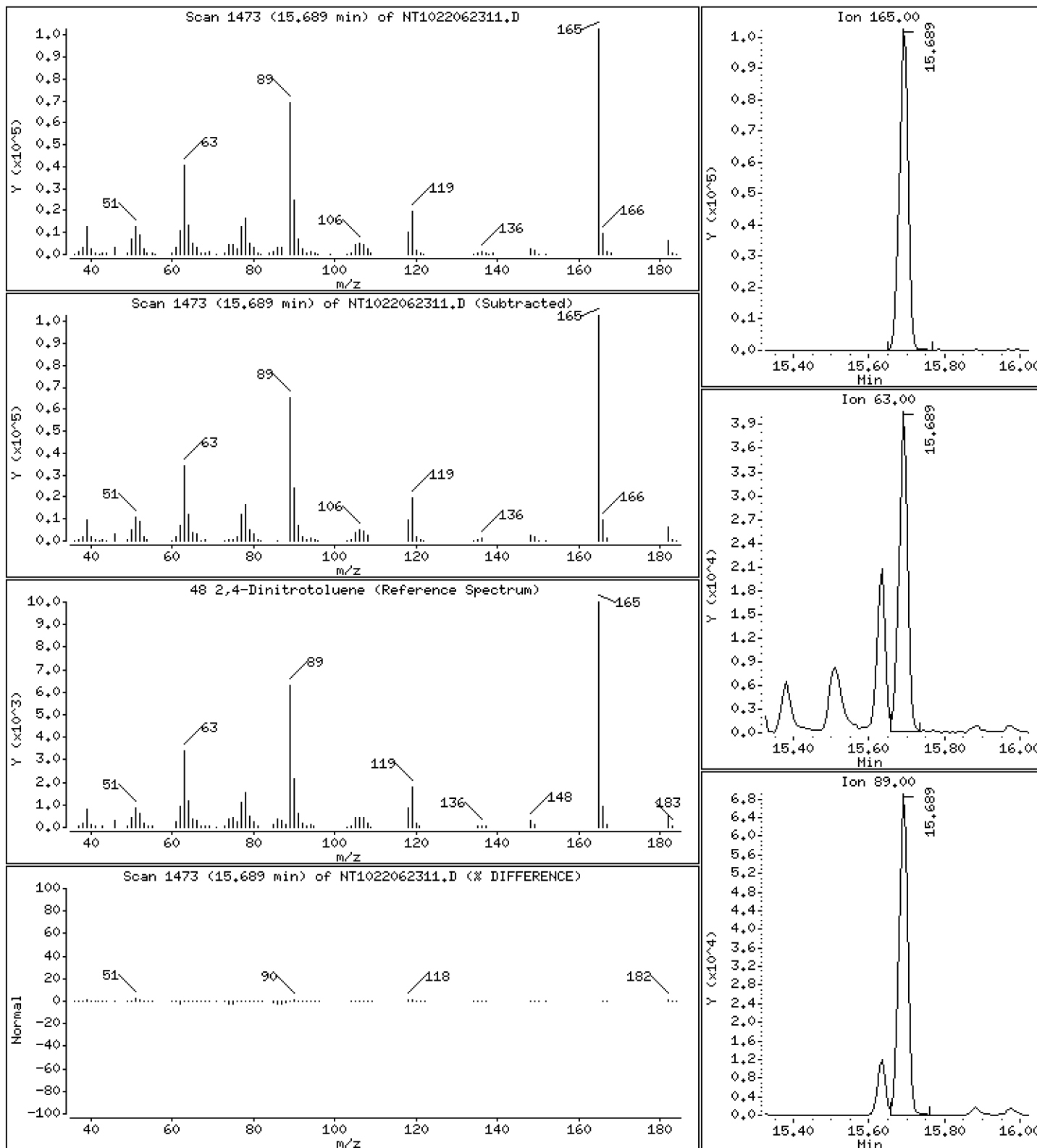
Operator: VTS

Column phase: ZB-5msi

Column diameter: 0,25

48 2,4-Dinitrotoluene

Concentration: 5,308 ug/mL



Date : 23-JUN-2022 15:20

Client ID:

Instrument: nt10.i

Sample Info: SKF0270-SCV1

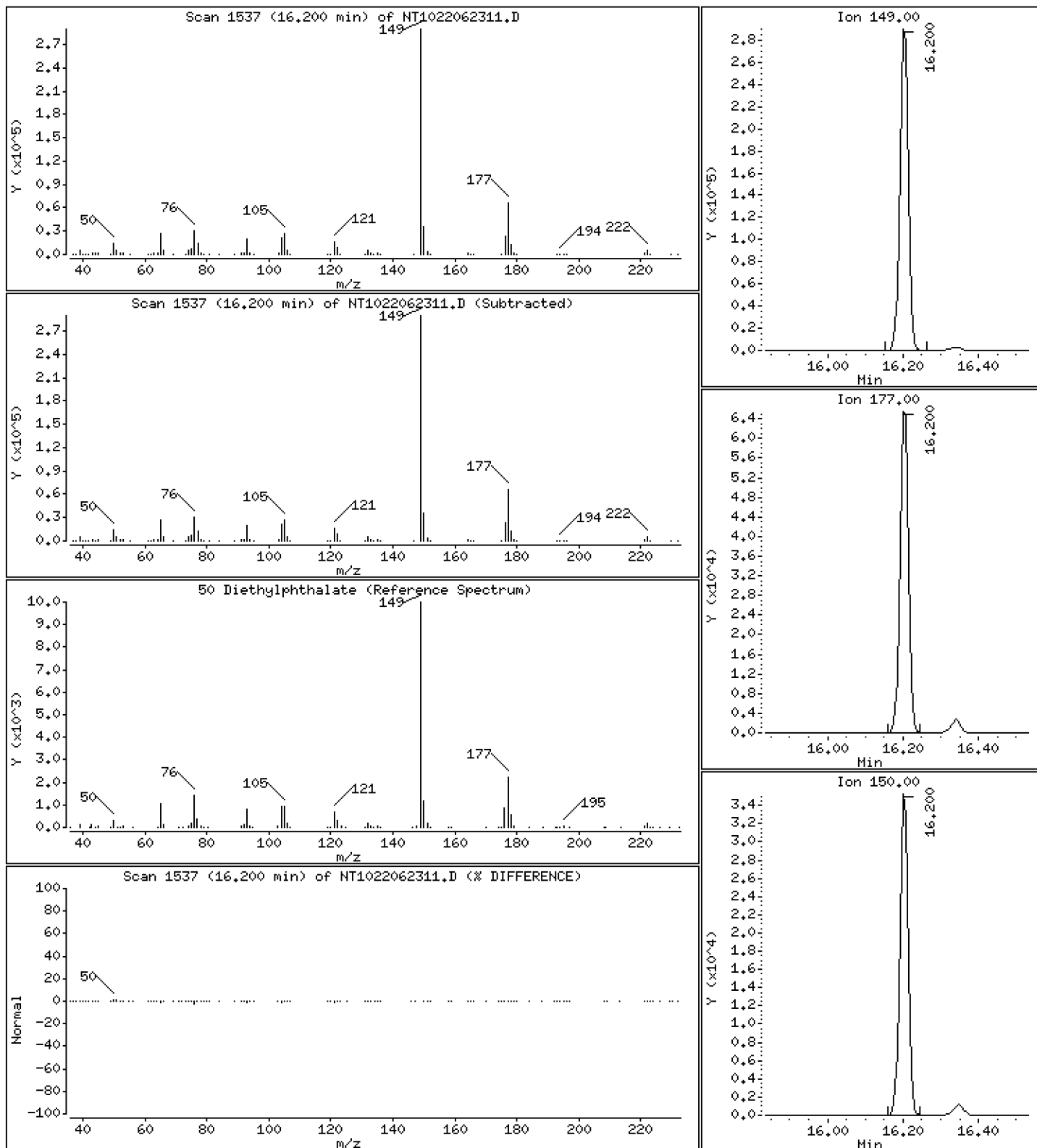
Operator: VTS

Column phase: ZB-5msi

Column diameter: 0,25

50 Diethylphthalate

Concentration: 5,372 ug/mL



Date : 23-JUN-2022 15:20

Client ID:

Instrument: nt10.i

Sample Info: SKF0270-SCV1

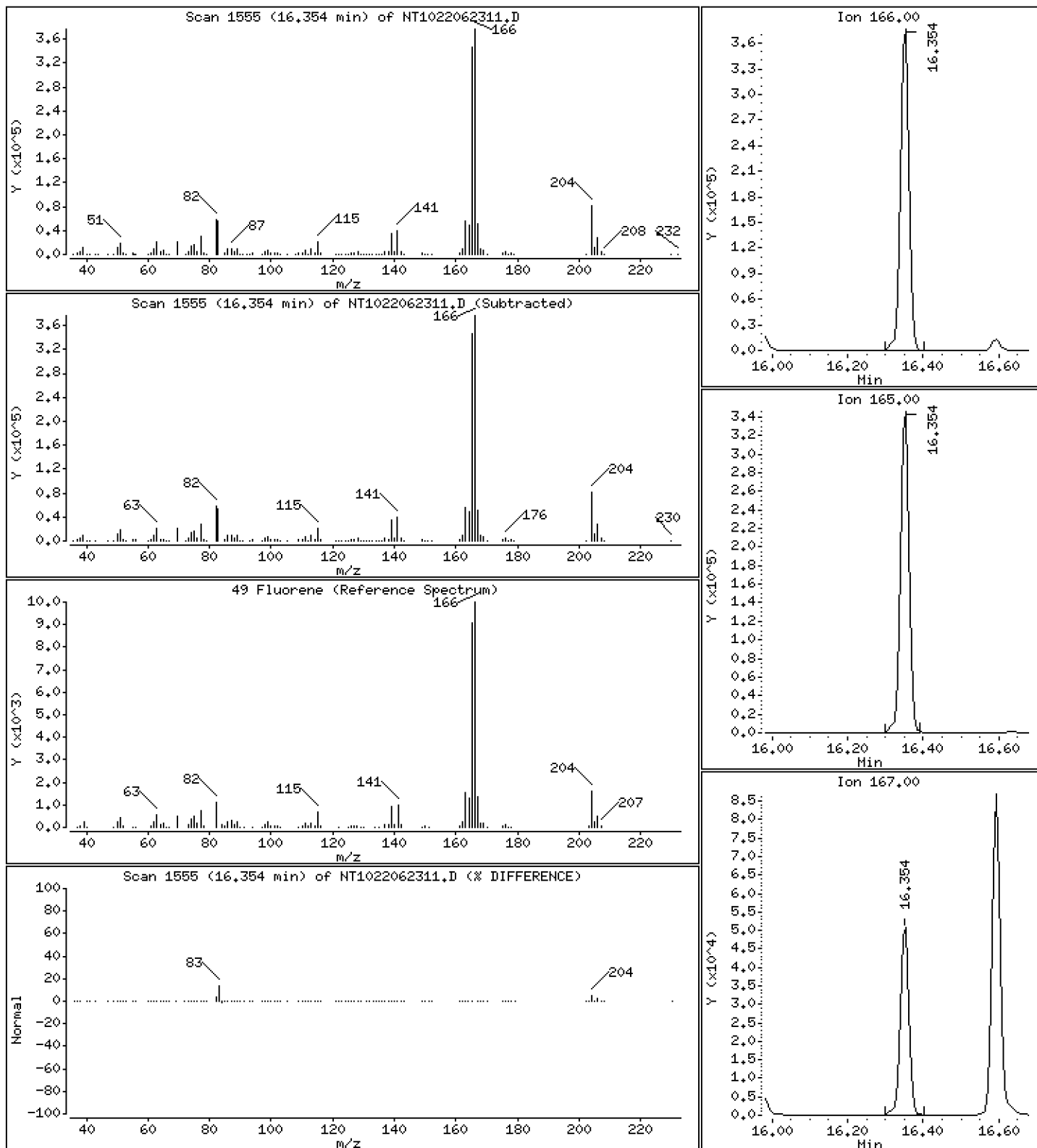
Operator: VTS

Column phase: ZB-5msi

Column diameter: 0.25

49 Fluorene

Concentration: 4.594 ug/mL



Date : 23-JUN-2022 15:20

Client ID:

Instrument: nt10.i

Sample Info: SKF0270-SCV1

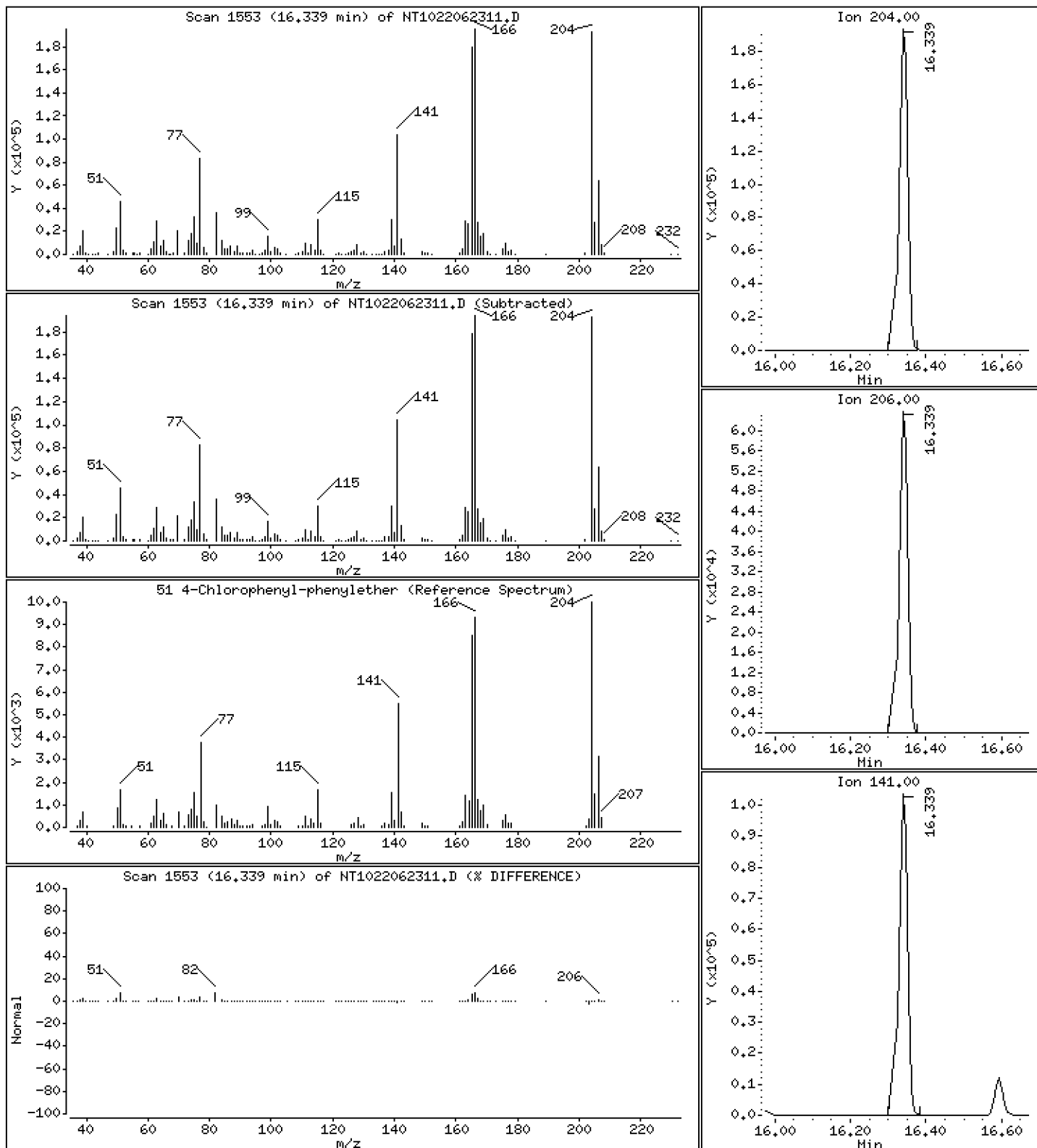
Operator: VTS

Column phase: ZB-5msi

Column diameter: 0,25

51 4-Chlorophenyl-phenylether

Concentration: 5,407 ug/mL



Date : 23-JUN-2022 15:20

Client ID:

Instrument: nt10.i

Sample Info: SKF0270-SCV1

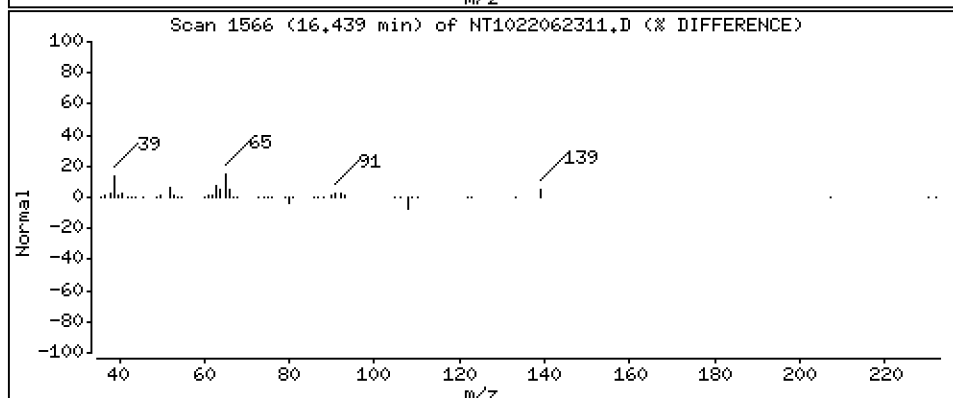
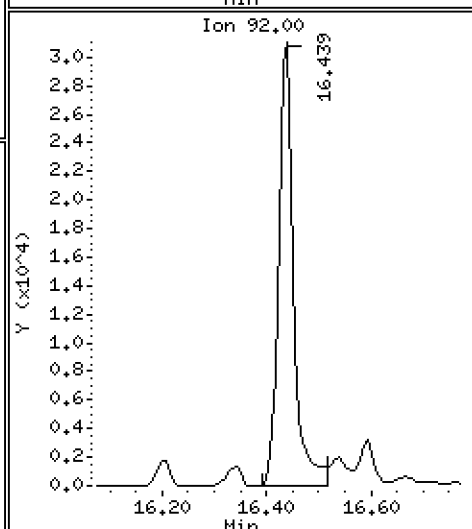
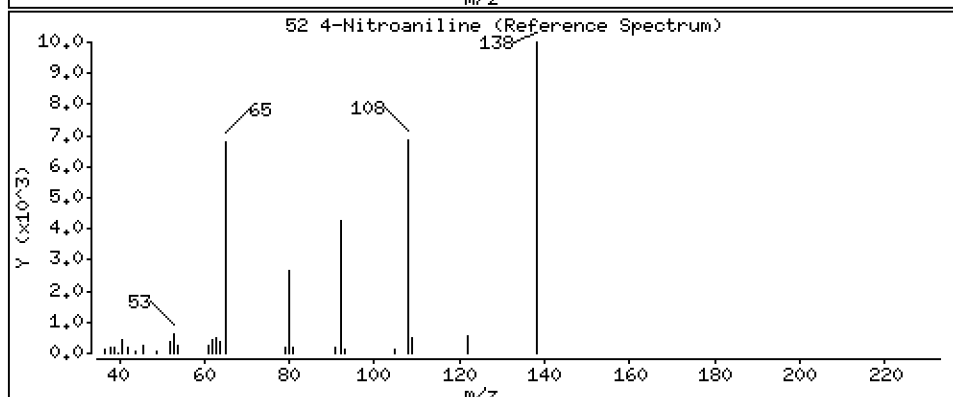
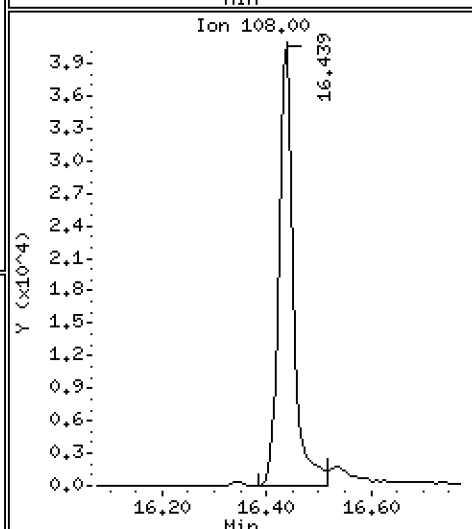
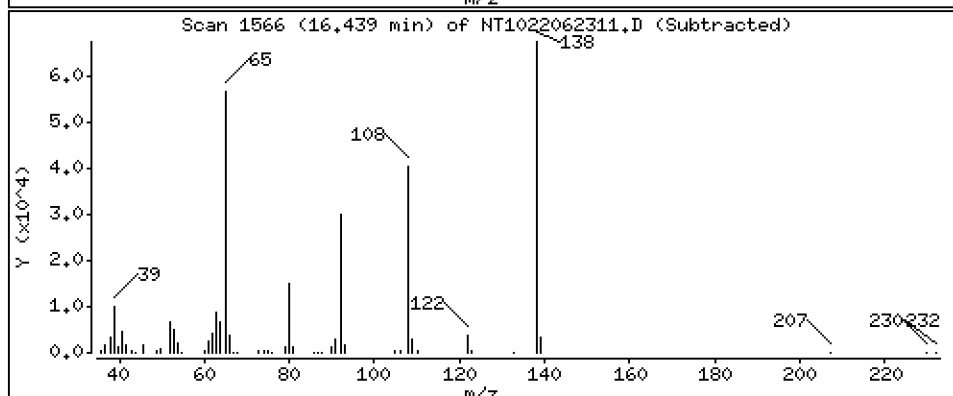
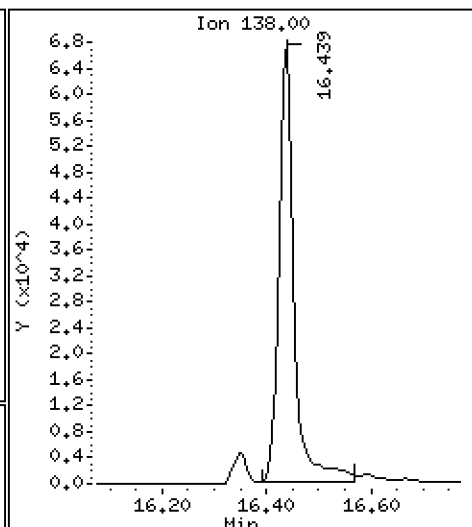
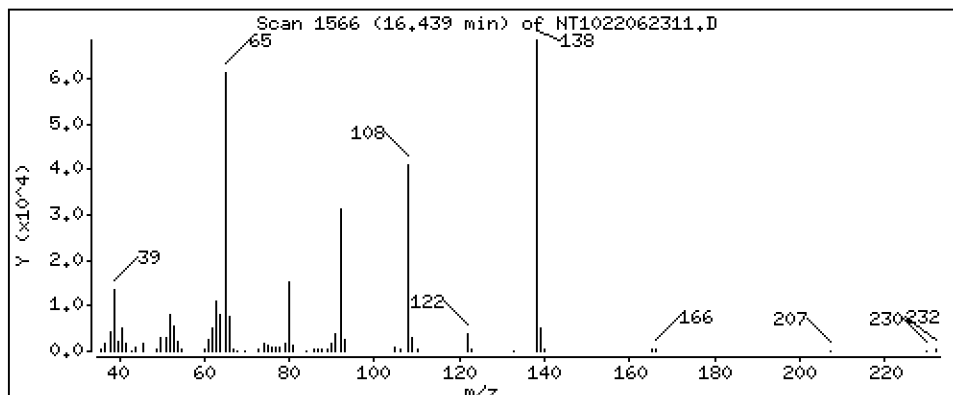
Operator: VTS

Column phase: ZB-5msi

Column diameter: 0,25

52 4-Nitroaniline

Concentration: 5,094 ug/mL



Date : 23-JUN-2022 15:20

Client ID:

Instrument: nt10.i

Sample Info: SKF0270-SCV1

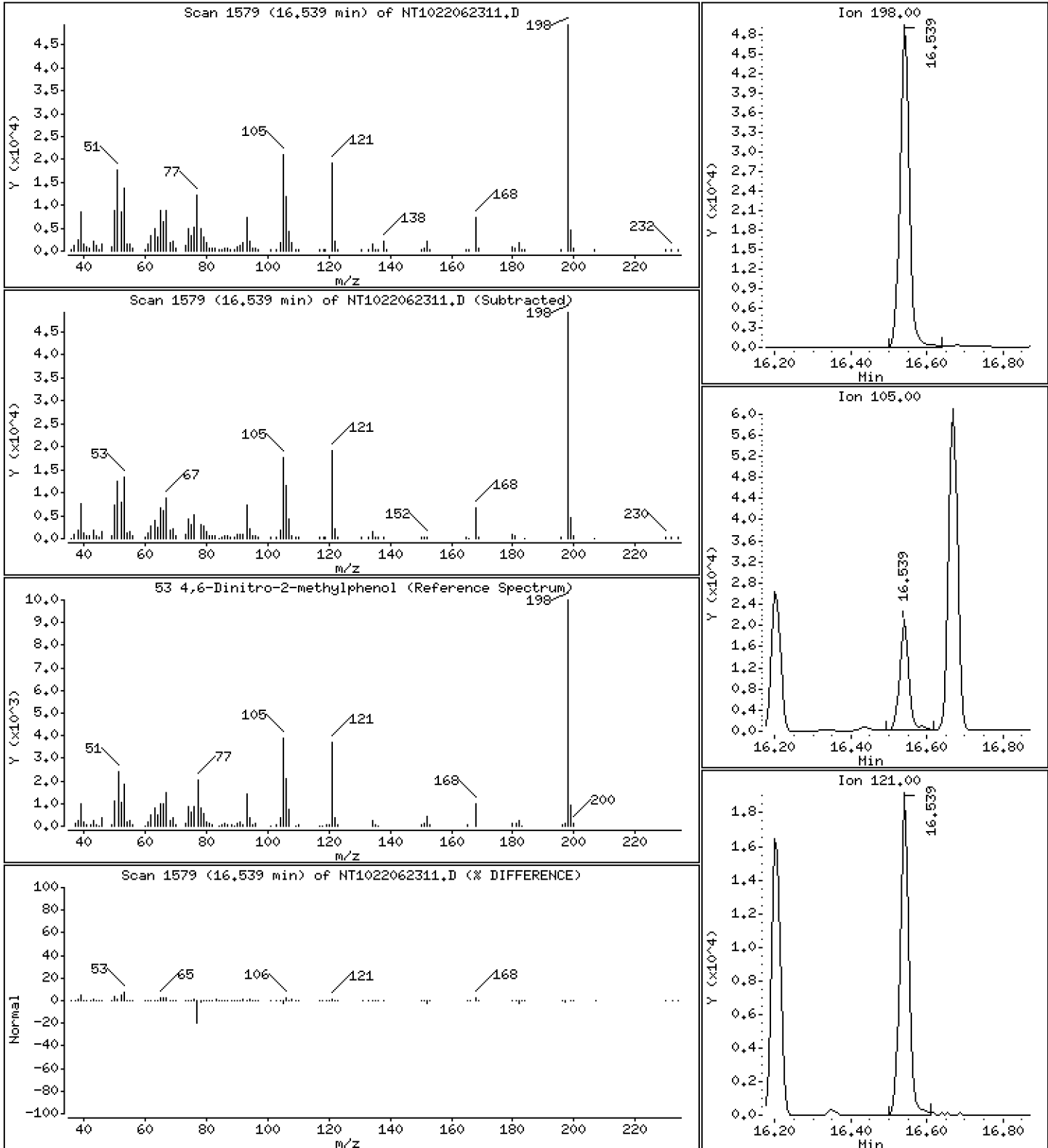
Operator: VTS

Column phase: ZB-5msi

Column diameter: 0,25

53 4,6-Dinitro-2-methylphenol

Concentration: 4,314 ug/mL



Date : 23-JUN-2022 15:20

Client ID:

Instrument: nt10.i

Sample Info: SKF0270-SCV1

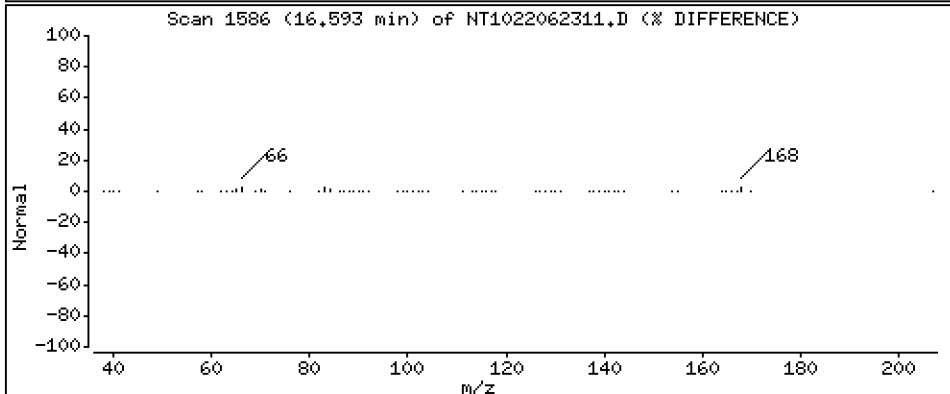
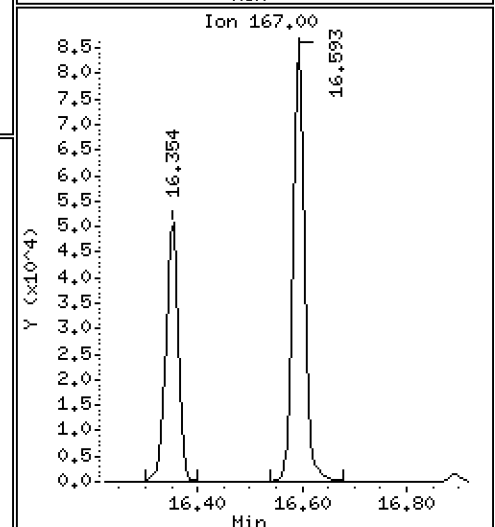
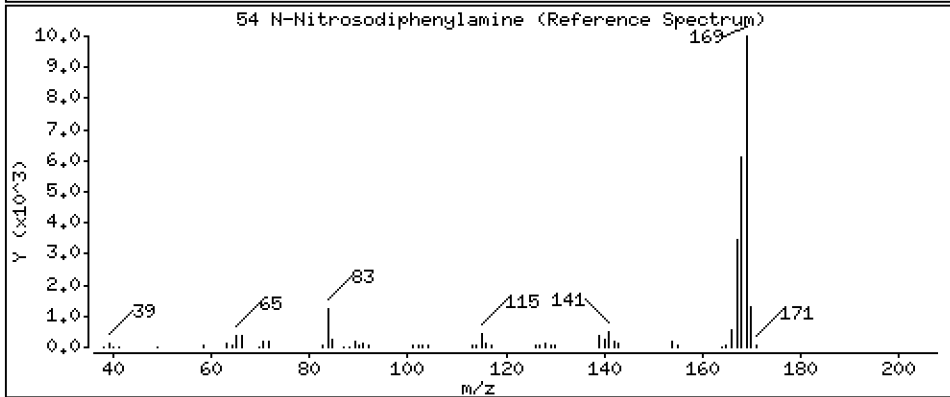
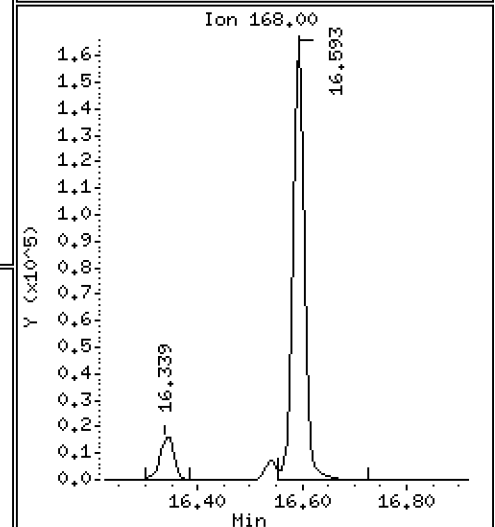
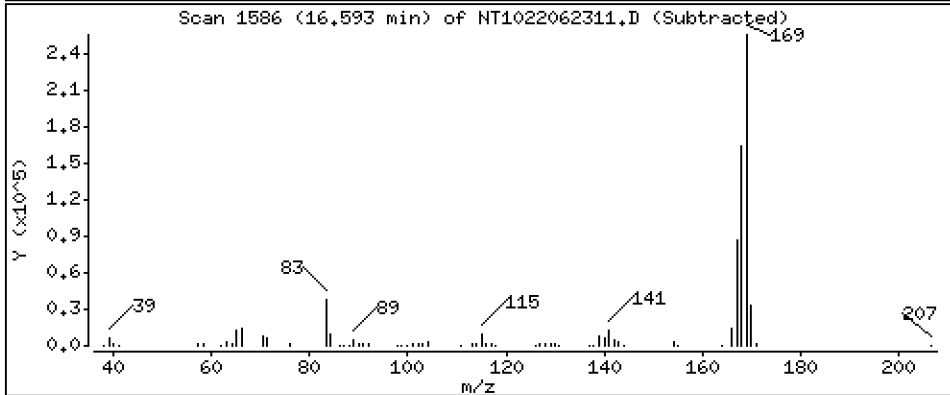
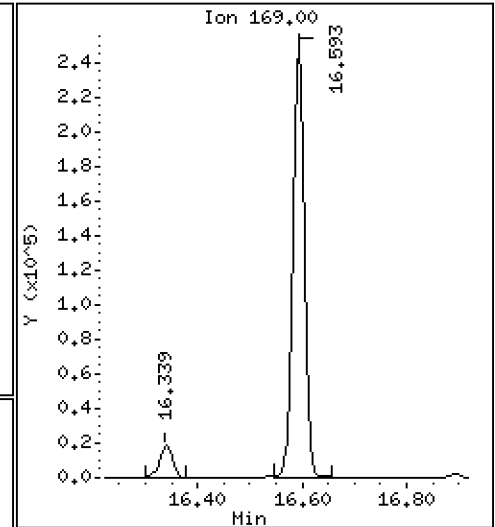
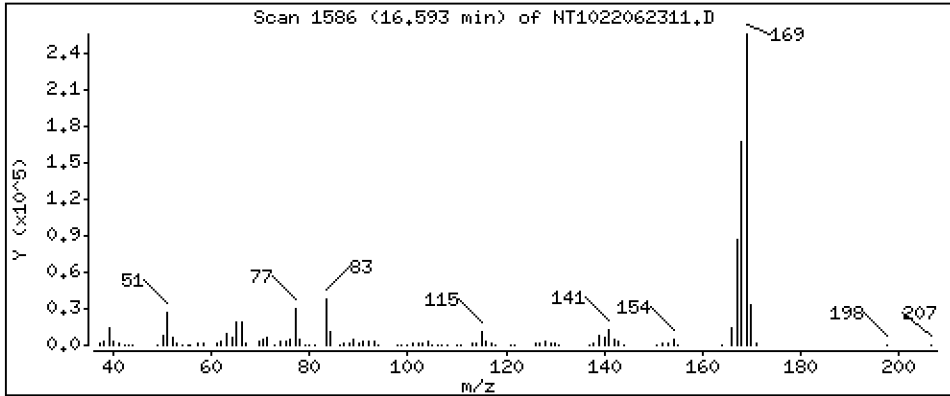
Operator: VTS

Column phase: ZB-5msi

Column diameter: 0,25

54 N-Nitrosodiphenylamine

Concentration: 4,983 ug/mL



Date : 23-JUN-2022 15:20

Client ID:

Instrument: nt10.i

Sample Info: SKF0270-SCV1

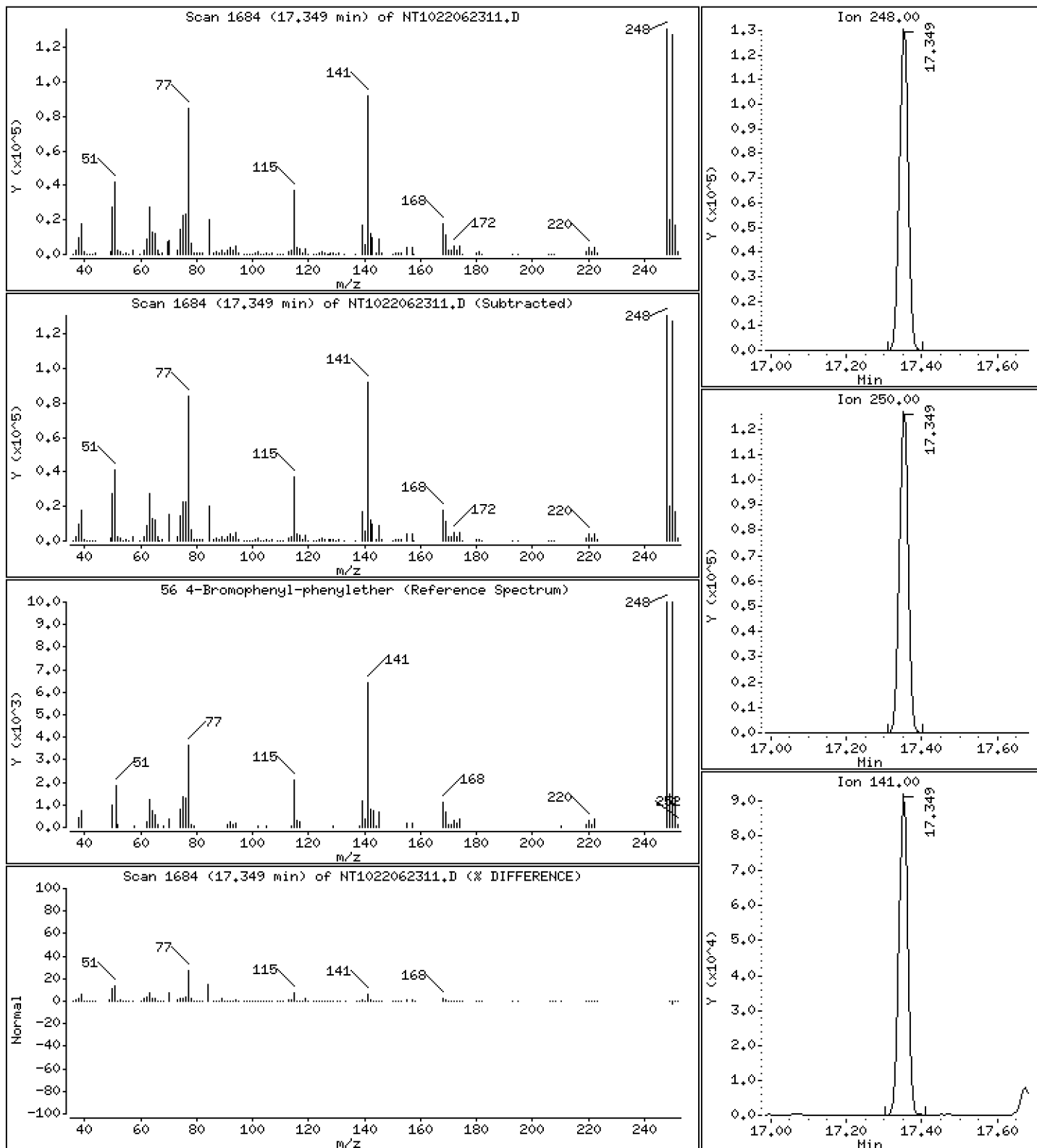
Operator: VTS

Column phase: ZB-5msi

Column diameter: 0,25

56 4-Bromophenyl-phenylether

Concentration: 5,456 ug/mL



Date : 23-JUN-2022 15:20

Client ID:

Instrument: nt10.i

Sample Info: SKF0270-SCV1

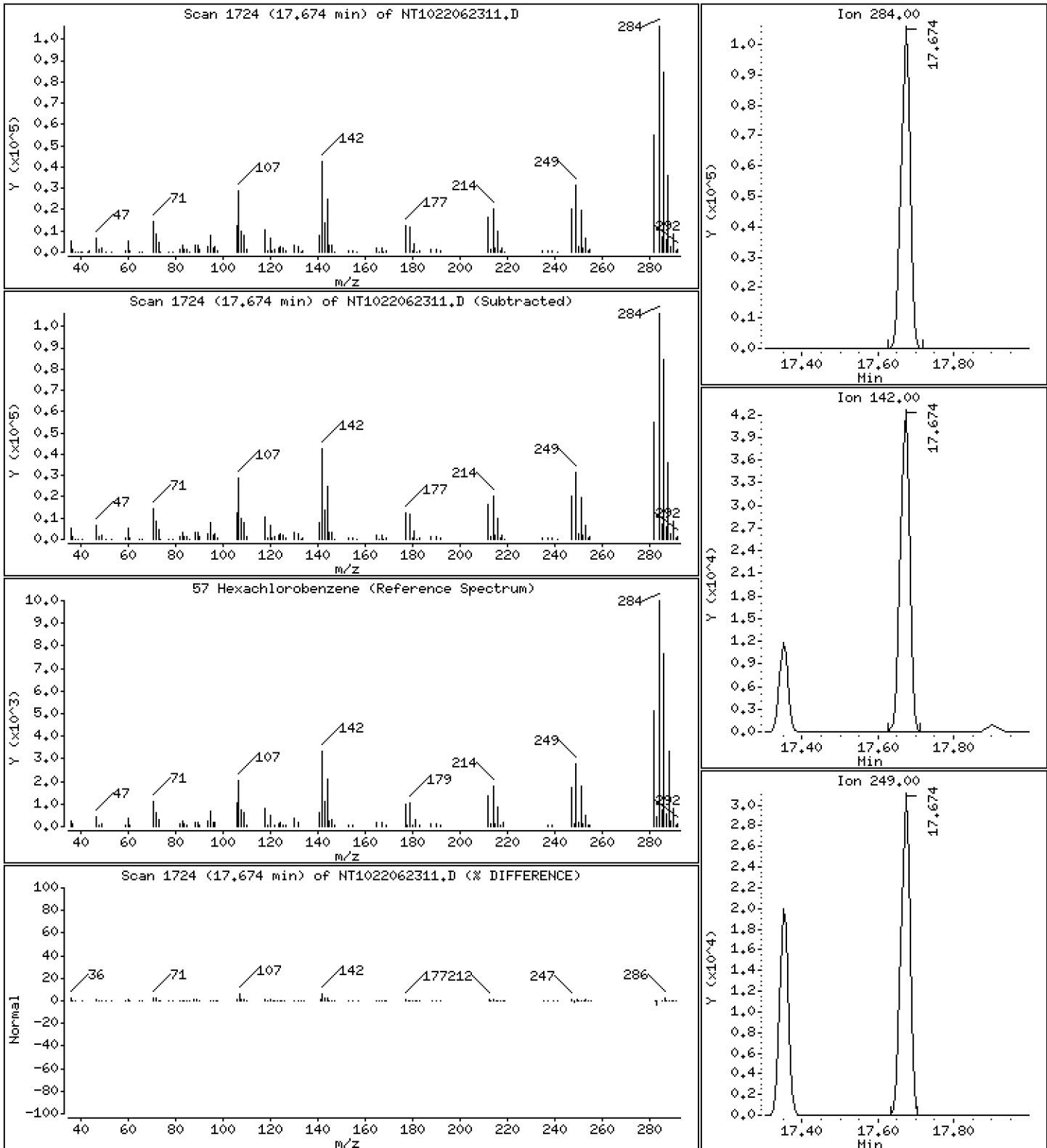
Operator: VTS

Column phase: ZB-5msi

Column diameter: 0,25

57 Hexachlorobenzene

Concentration: 5,114 ug/mL



Date : 23-JUN-2022 15:20

Client ID:

Instrument: nt10.i

Sample Info: SKF0270-SCV1

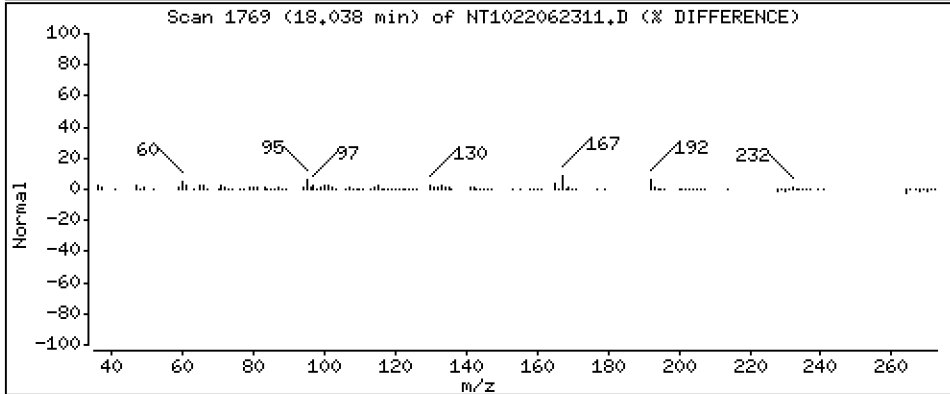
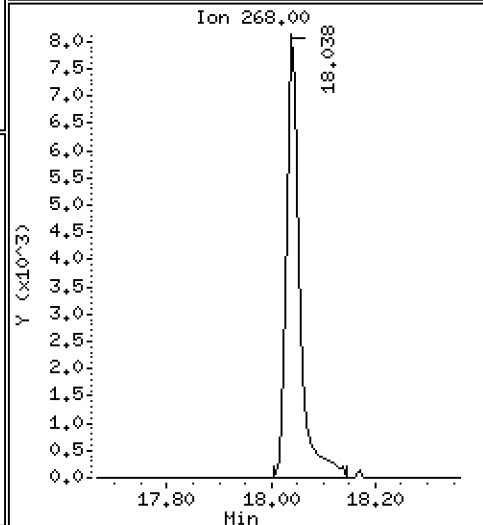
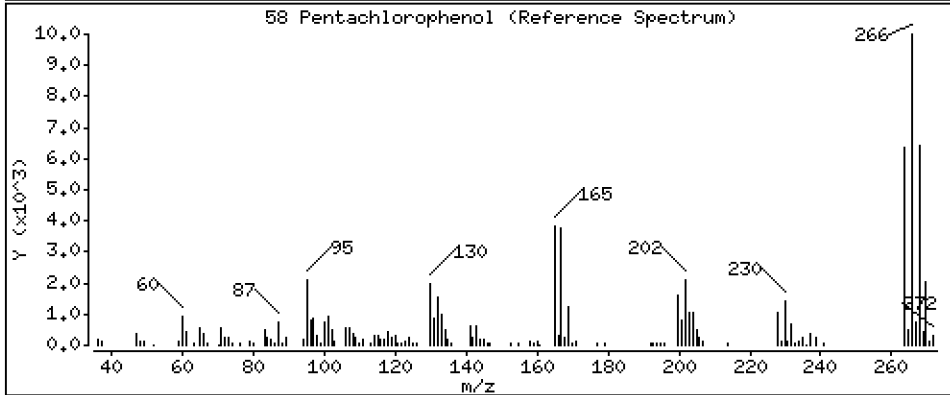
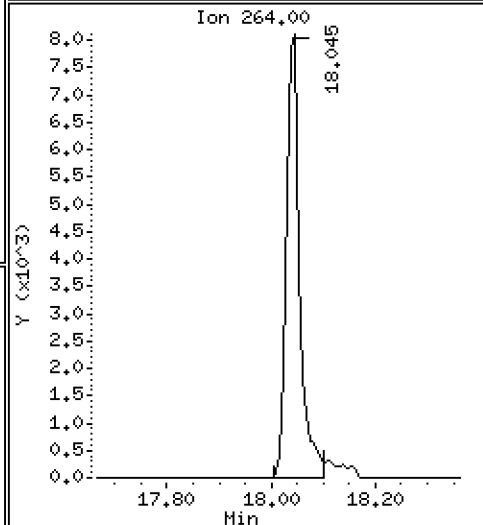
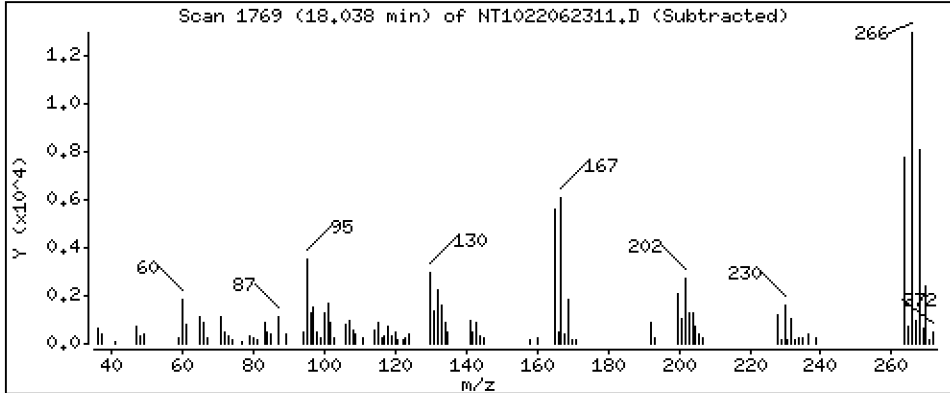
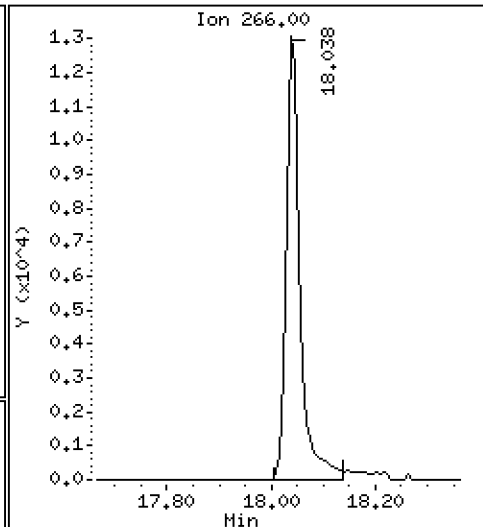
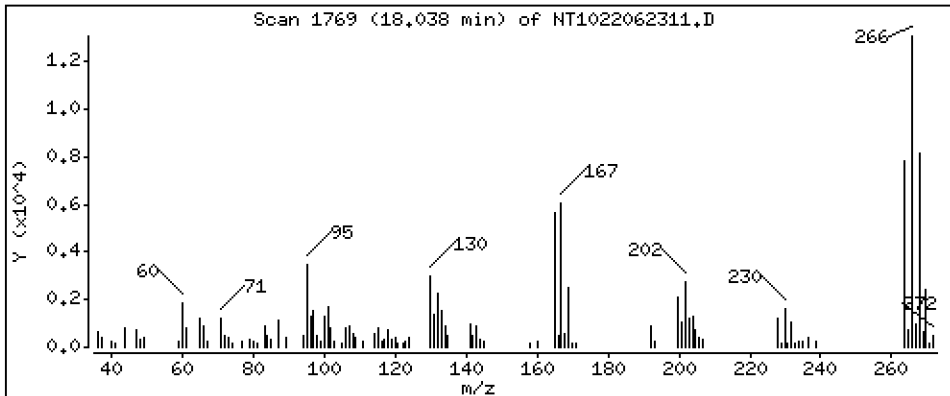
Operator: VTS

Column phase: ZB-5msi

Column diameter: 0,25

58 Pentachlorophenol

Concentration: 3,238 ug/mL



Date : 23-JUN-2022 15:20

Client ID:

Instrument: nt10.i

Sample Info: SKF0270-SCV1

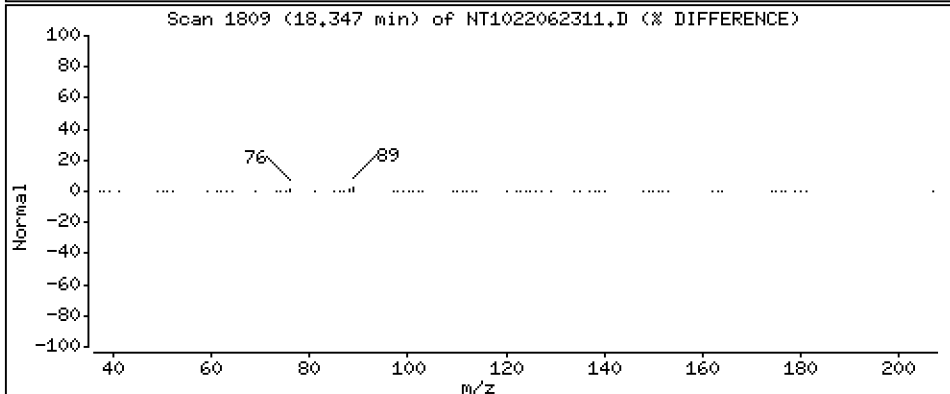
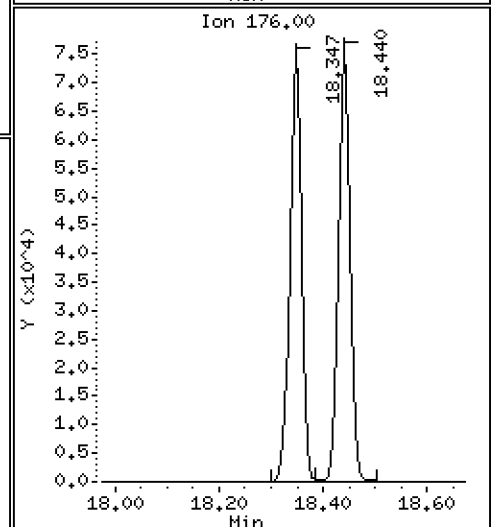
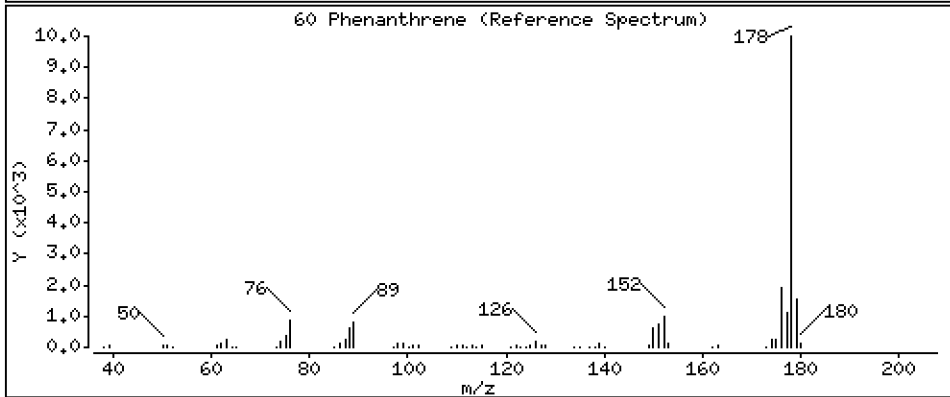
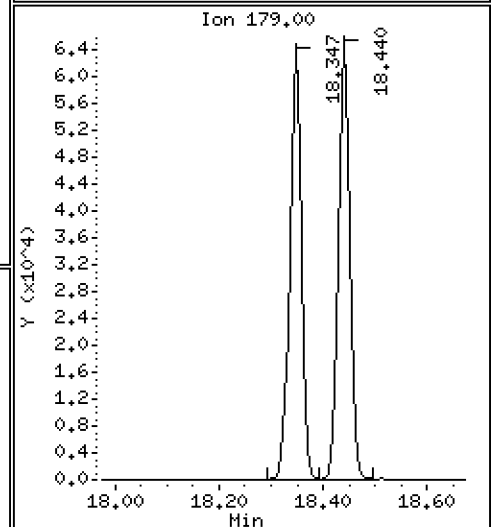
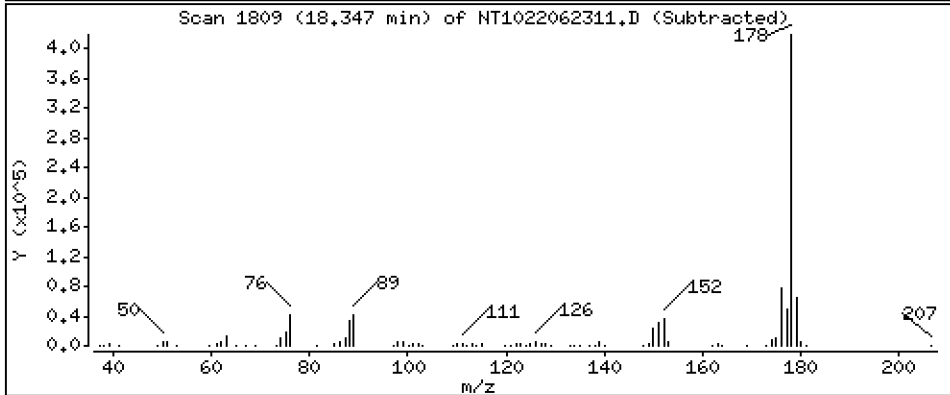
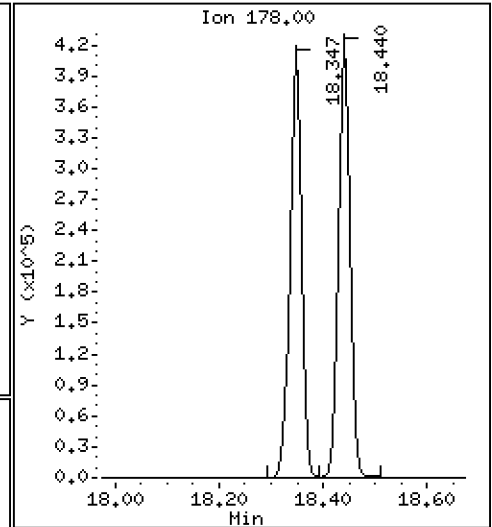
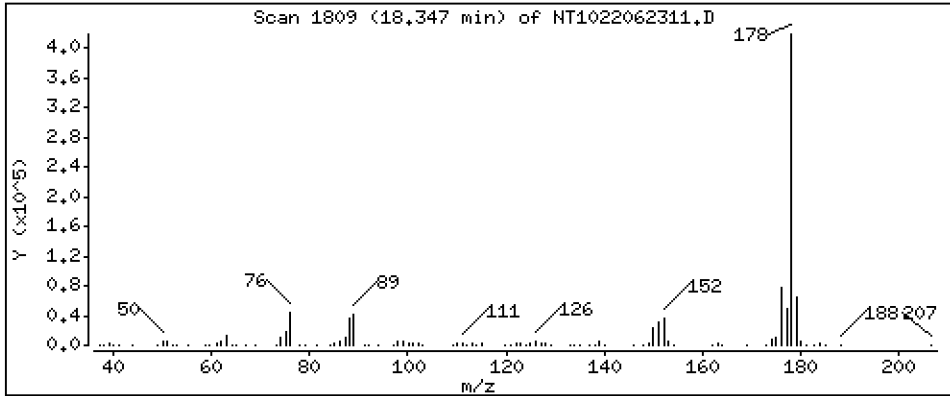
Operator: VTS

Column phase: ZB-5msi

Column diameter: 0,25

60 Phenanthrene

Concentration: 4,893 ug/mL



Date : 23-JUN-2022 15:20

Client ID:

Instrument: nt10.i

Sample Info: SKF0270-SCV1

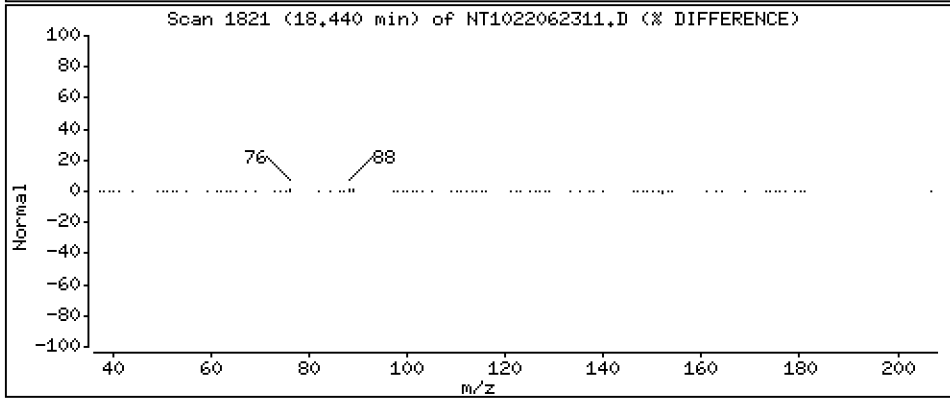
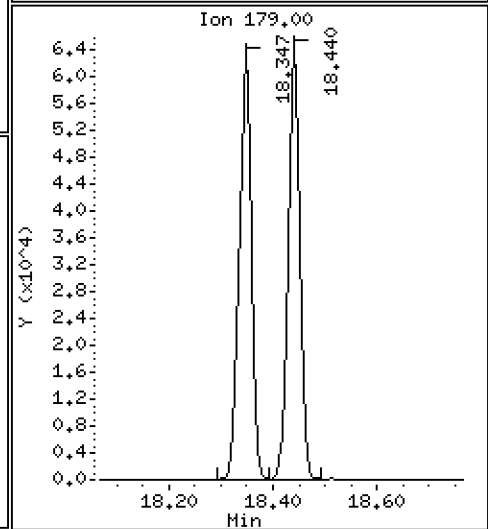
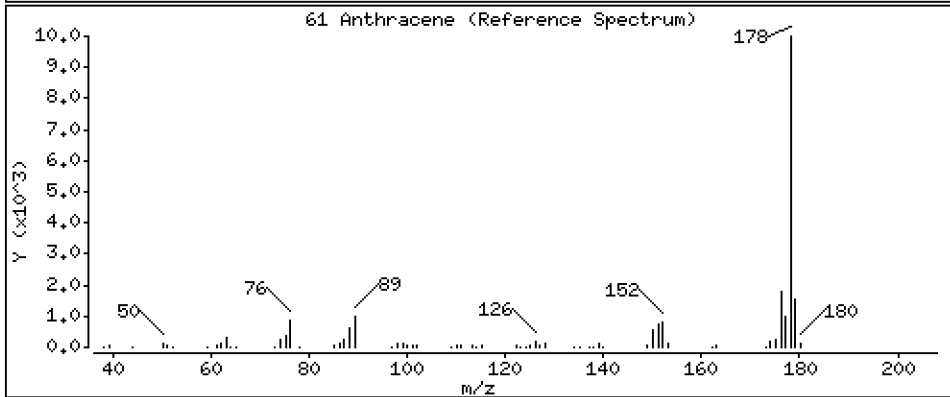
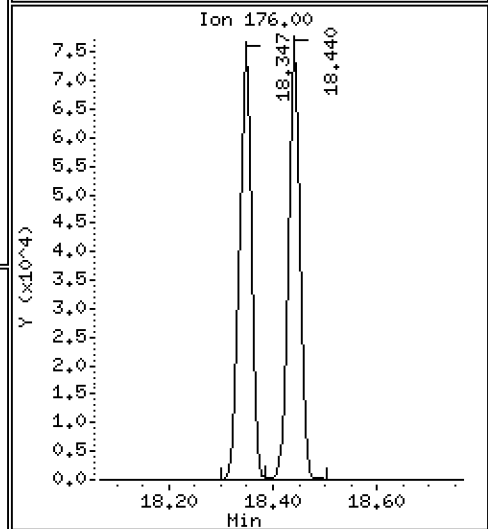
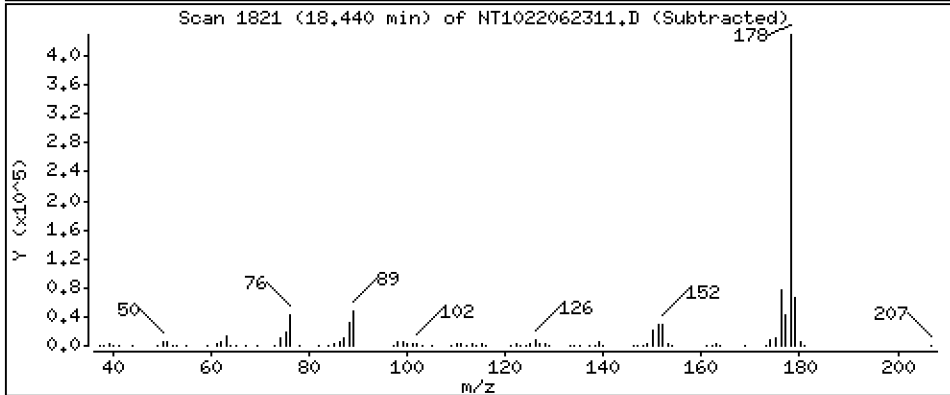
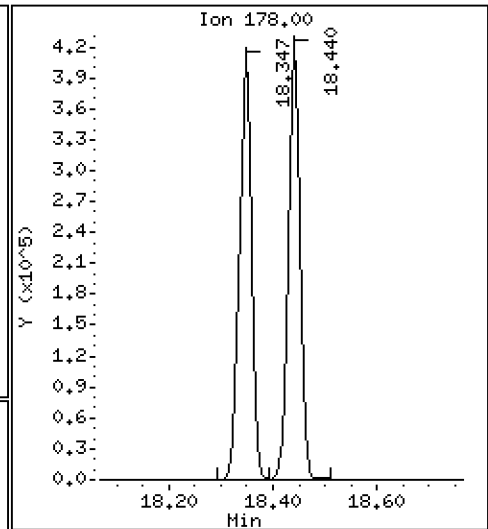
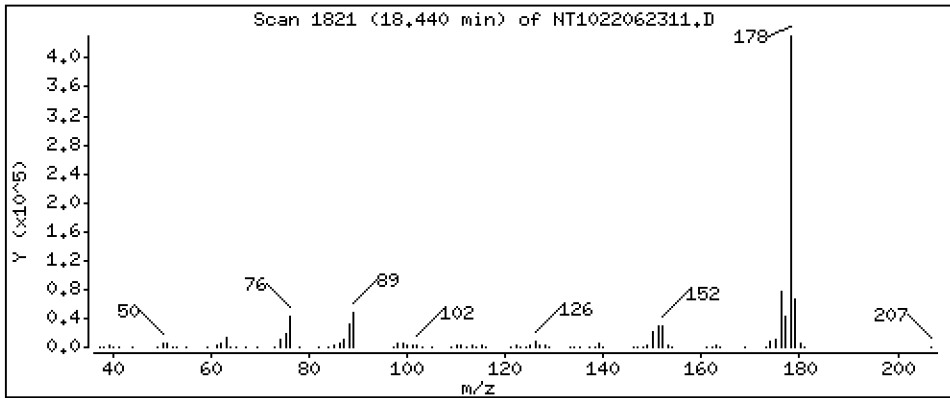
Operator: VTS

Column phase: ZB-5msi

Column diameter: 0,25

61 Anthracene

Concentration: 4,828 ug/mL



Date : 23-JUN-2022 15:20

Client ID:

Instrument: nt10.i

Sample Info: SKF0270-SCV1

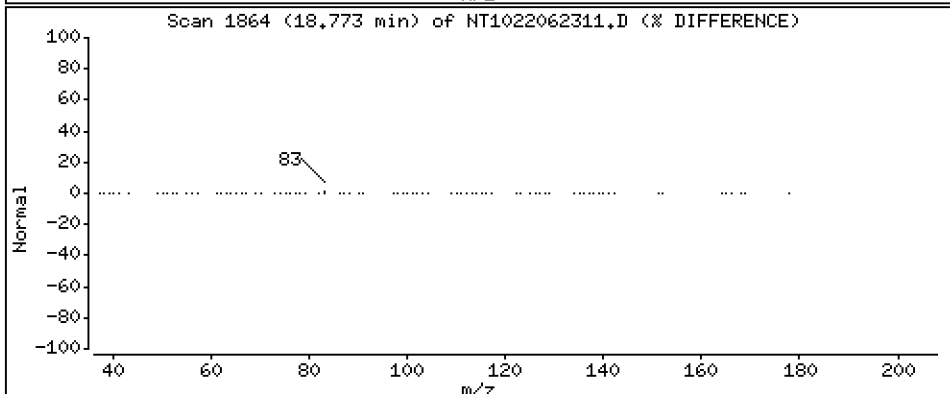
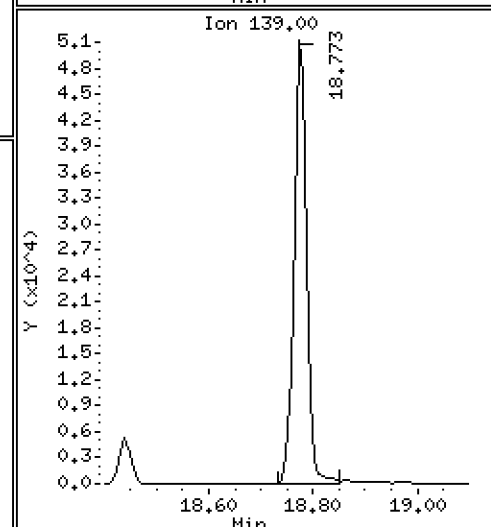
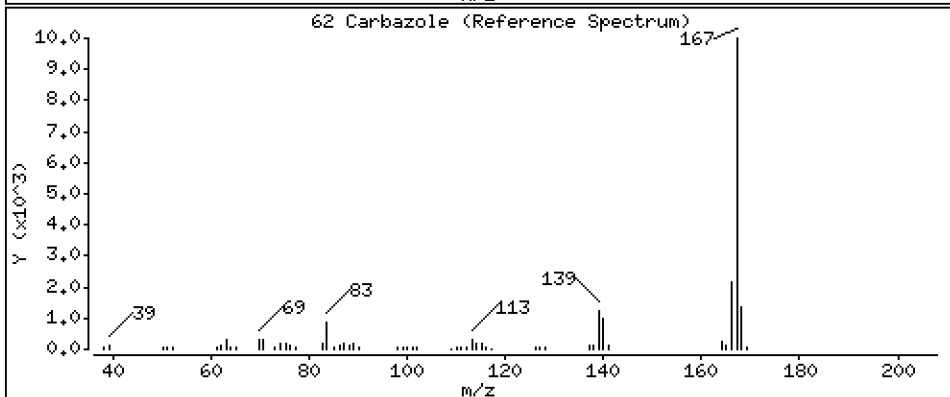
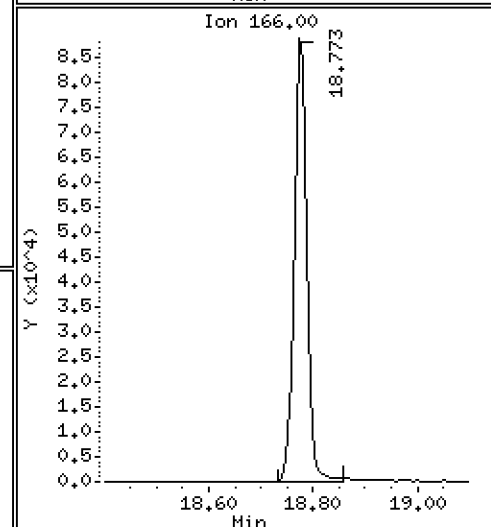
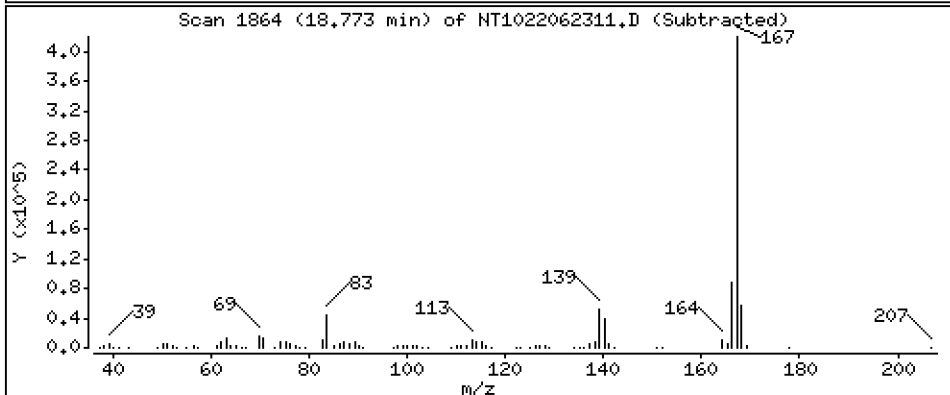
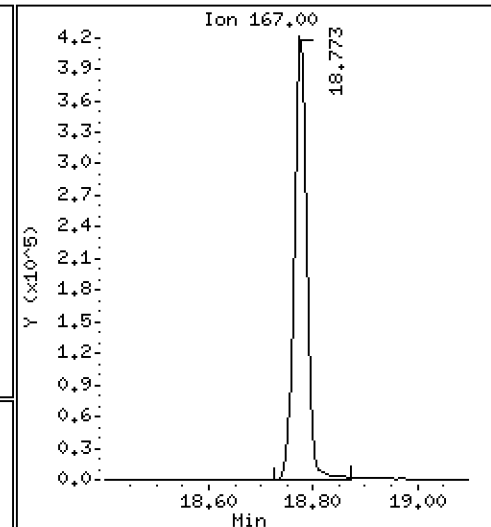
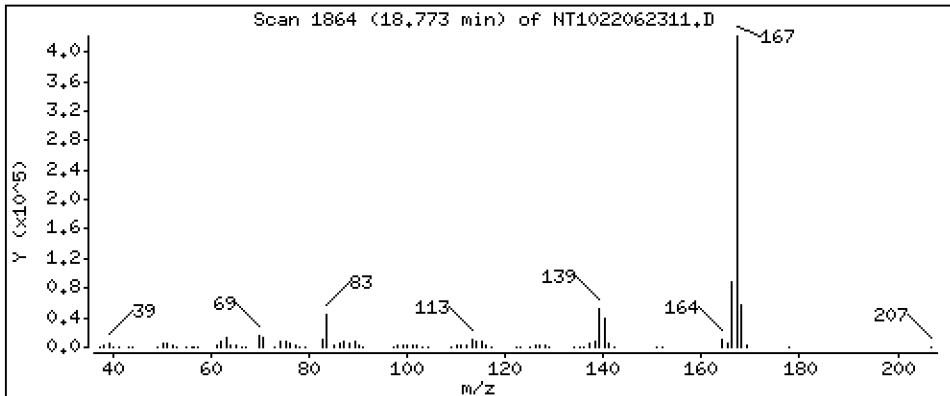
Operator: VTS

Column phase: ZB-5msi

Column diameter: 0,25

62 Carbazole

Concentration: 5,567 ug/mL



Date : 23-JUN-2022 15:20

Client ID:

Instrument: nt10.i

Sample Info: SKF0270-SCV1

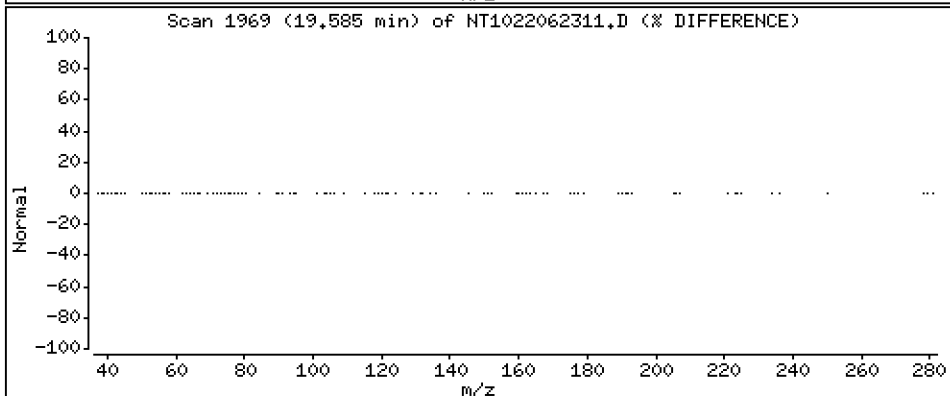
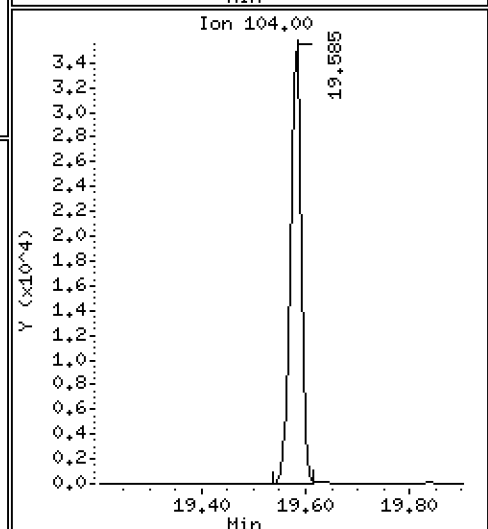
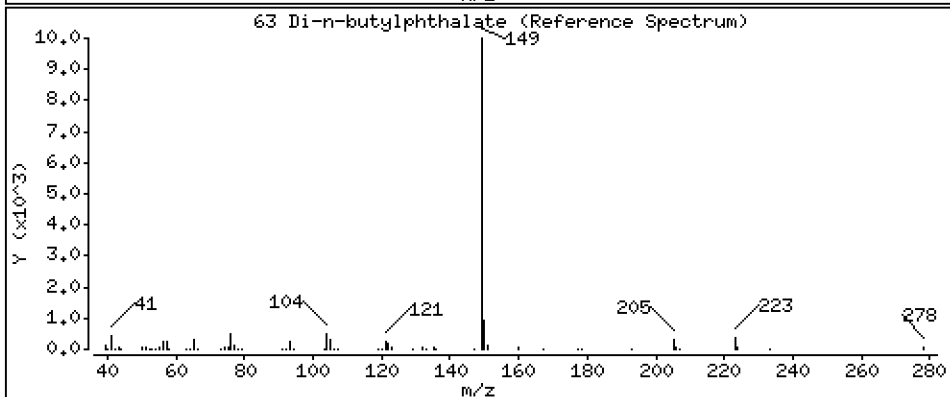
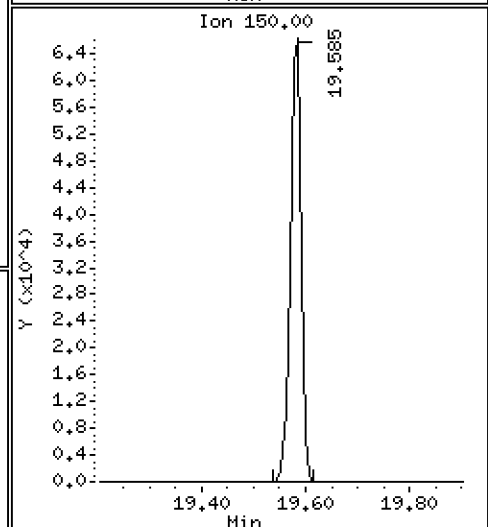
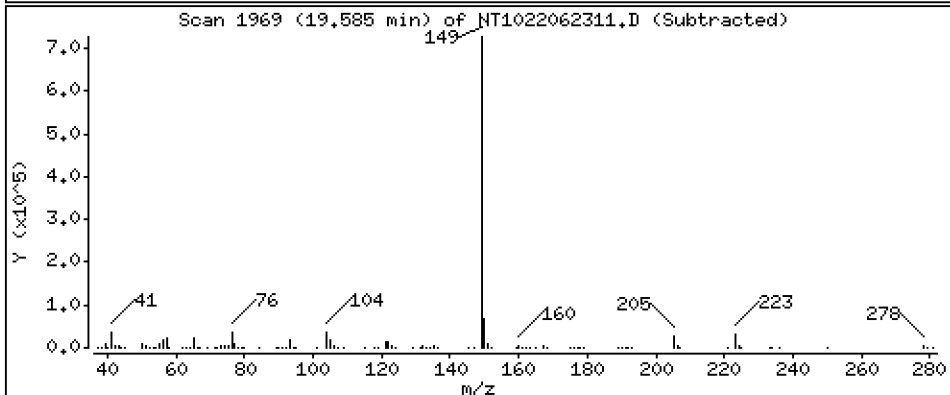
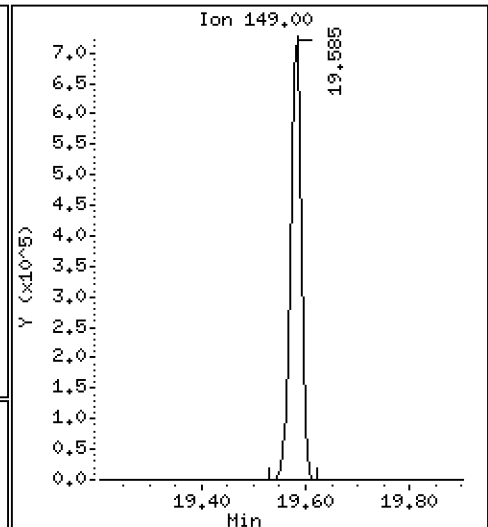
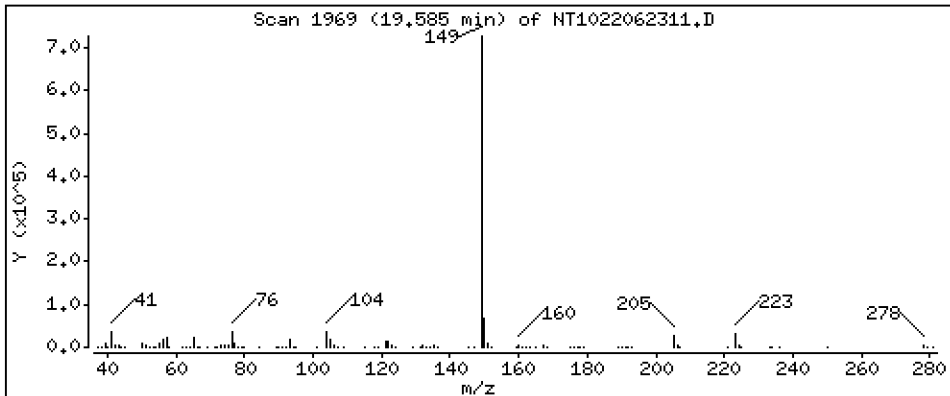
Operator: VTS

Column phase: ZB-5msi

Column diameter: 0.25

63 Di-n-butylphthalate

Concentration: 5.328 ug/mL



Date : 23-JUN-2022 15:20

Client ID:

Instrument: nt10.i

Sample Info: SKF0270-SCV1

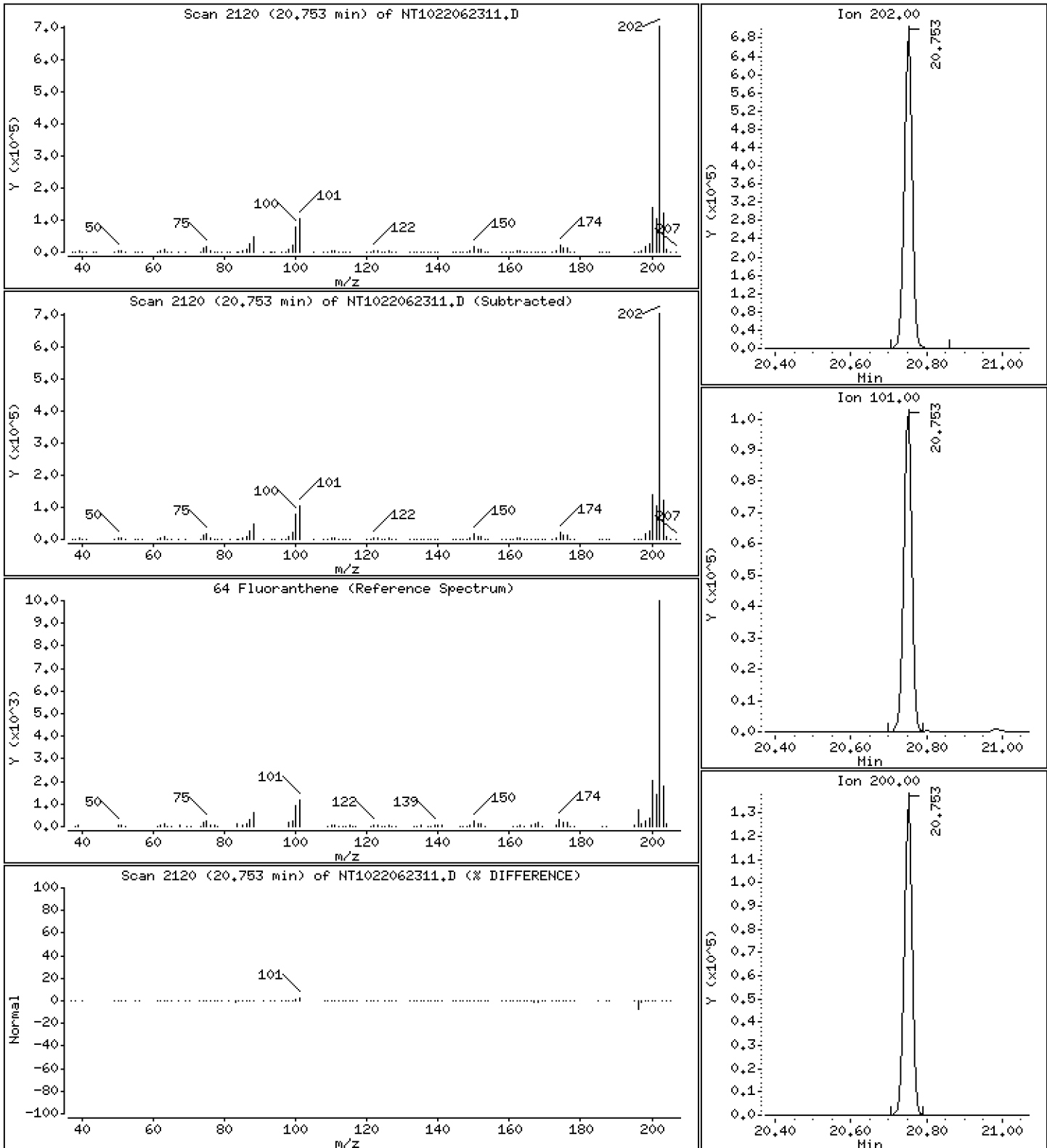
Operator: VTS

Column phase: ZB-5msi

Column diameter: 0,25

64 Fluoranthene

Concentration: 4,192 ug/mL



Date : 23-JUN-2022 15:20

Client ID:

Instrument: nt10.i

Sample Info: SKF0270-SCV1

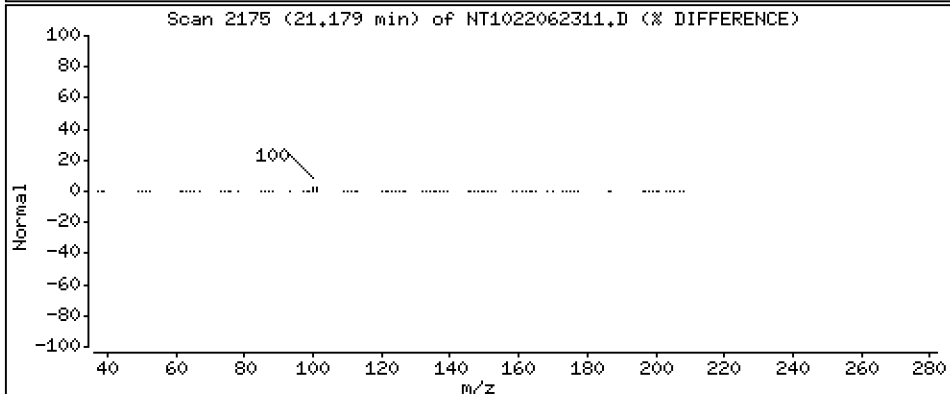
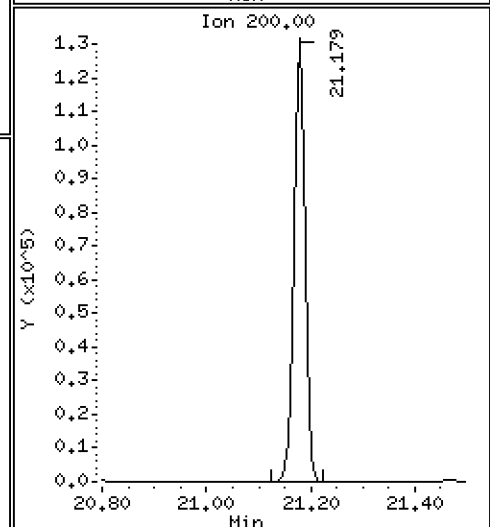
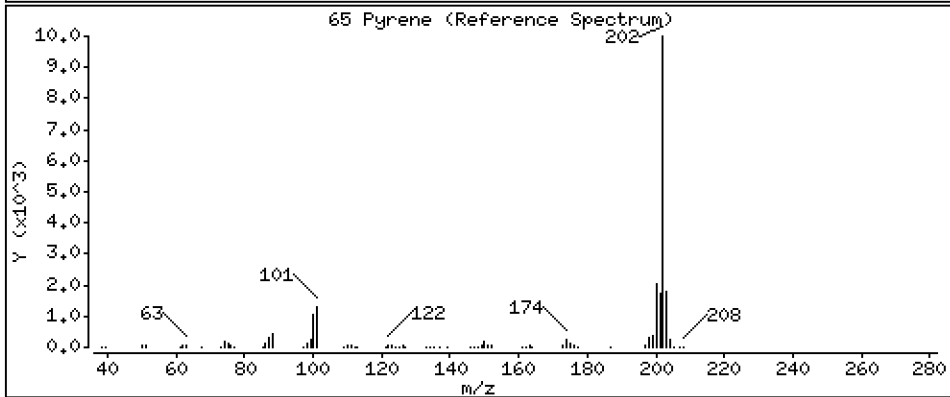
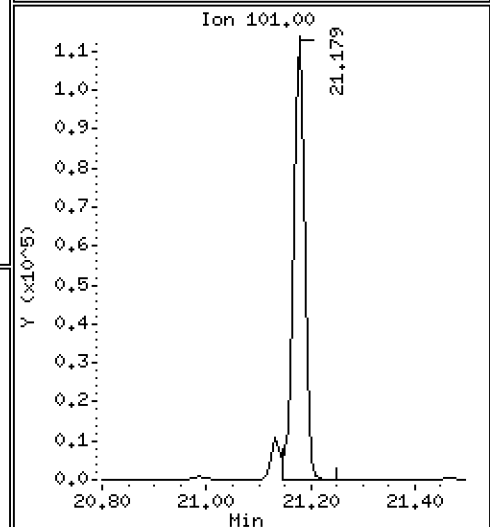
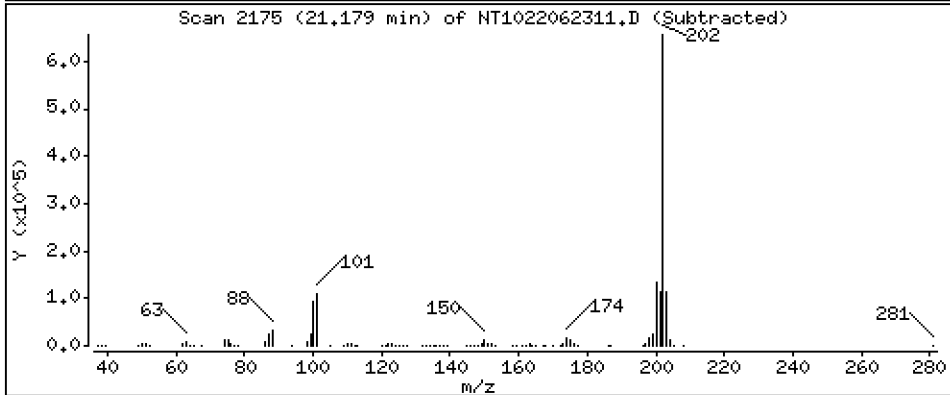
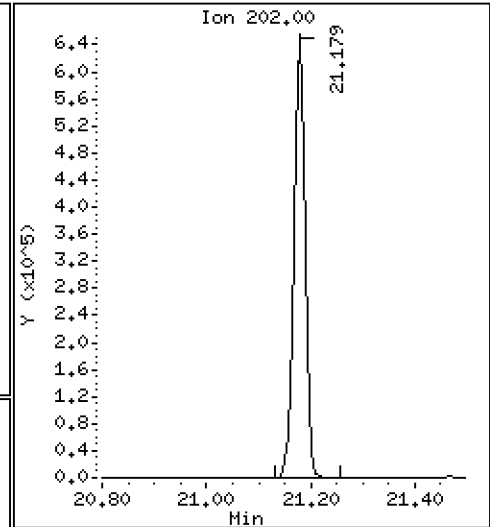
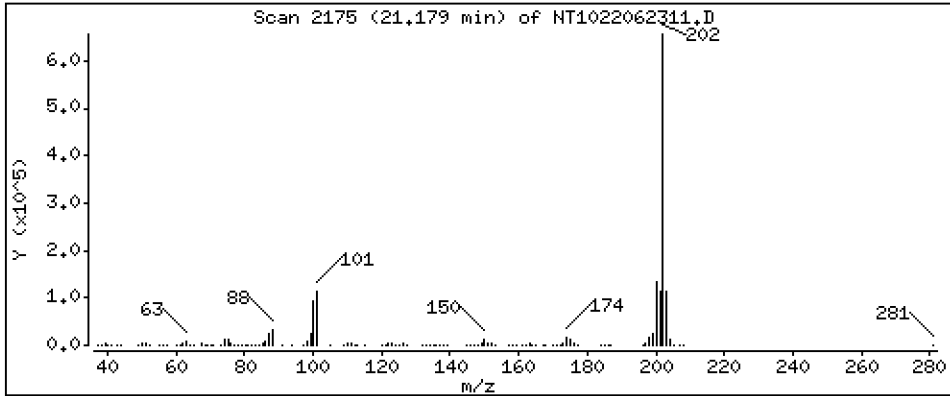
Operator: VTS

Column phase: ZB-5msi

Column diameter: 0,25

65 Pyrene

Concentration: 4,572 ug/mL



Date : 23-JUN-2022 15:20

Client ID:

Instrument: nt10.i

Sample Info: SKF0270-SCV1

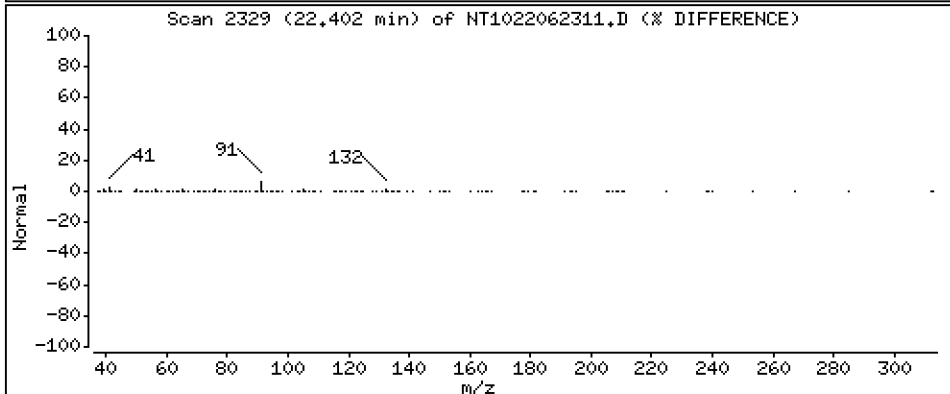
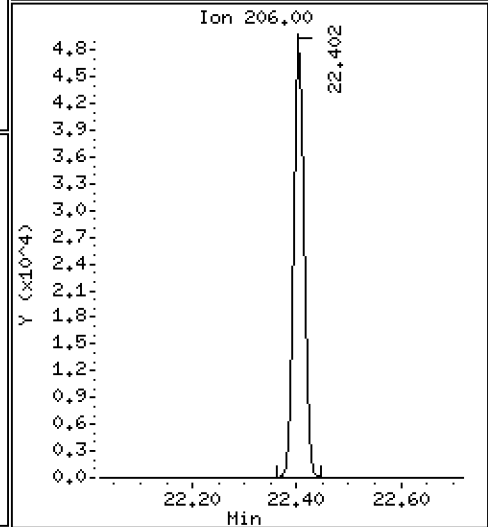
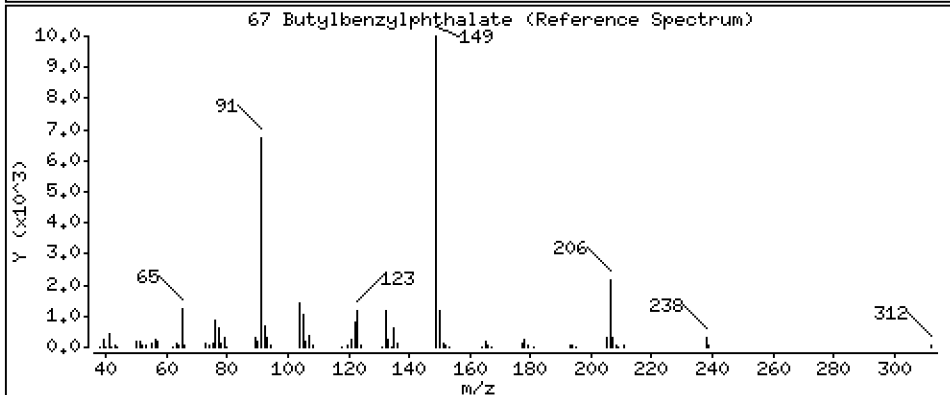
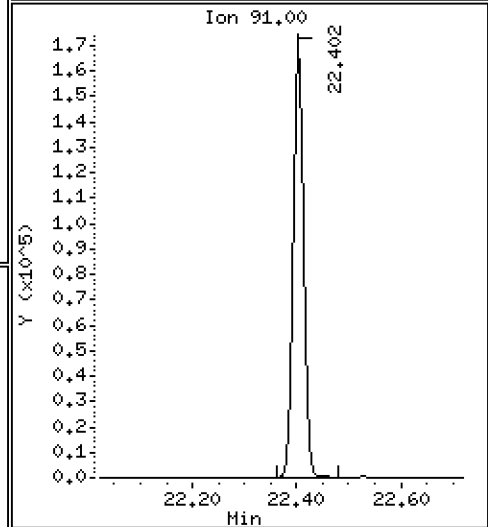
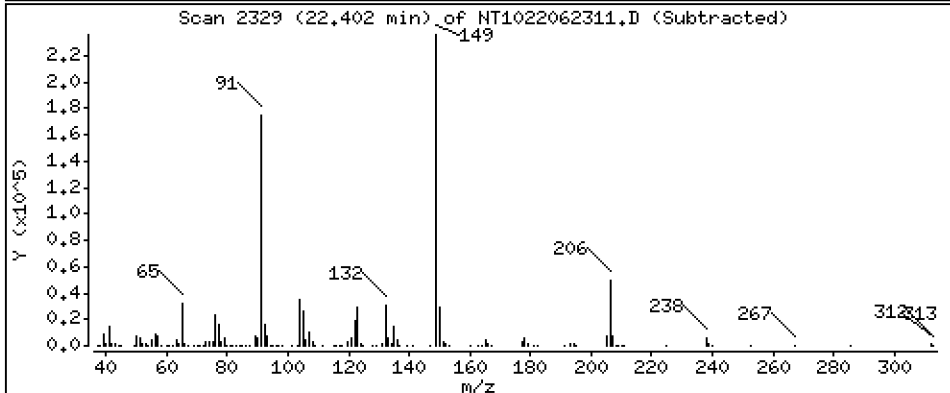
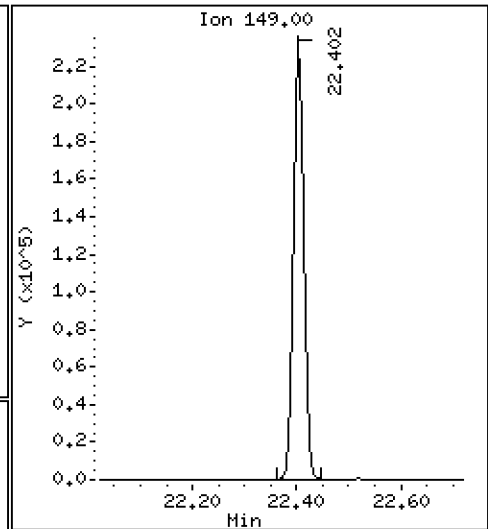
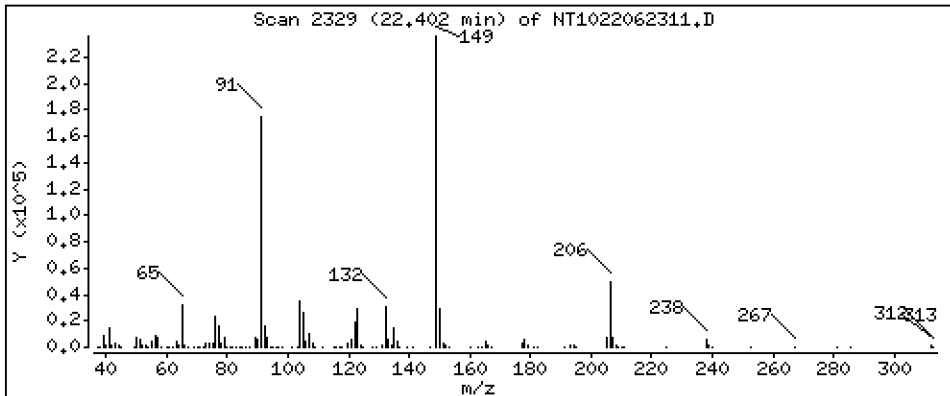
Operator: VTS

Column phase: ZB-5msi

Column diameter: 0,25

67 Butylbenzylphthalate

Concentration: 4,860 ug/mL



Date : 23-JUN-2022 15:20

Client ID:

Instrument: nt10.i

Sample Info: SKF0270-SCV1

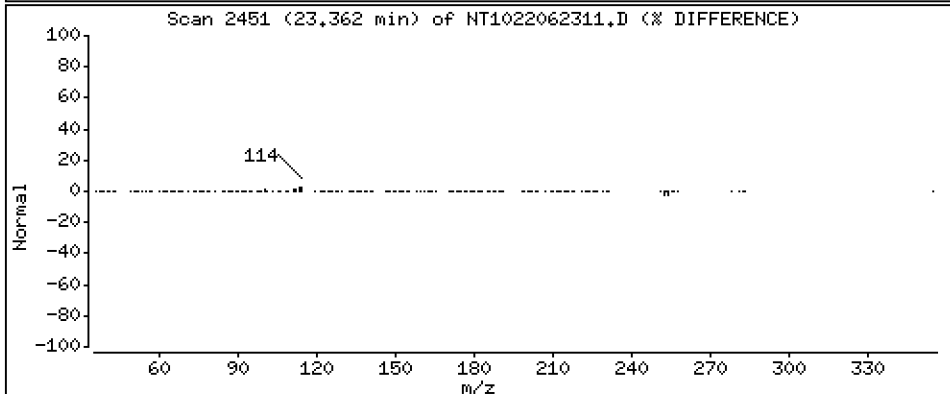
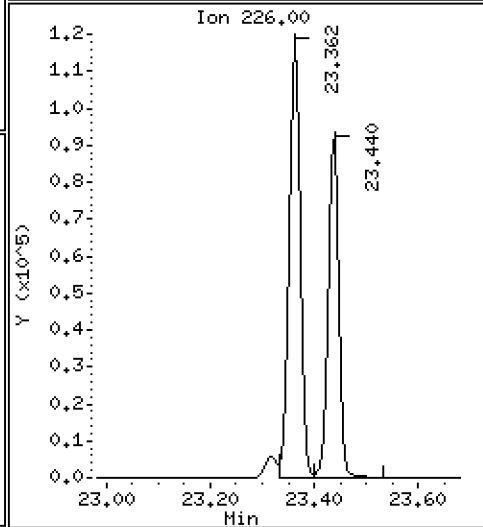
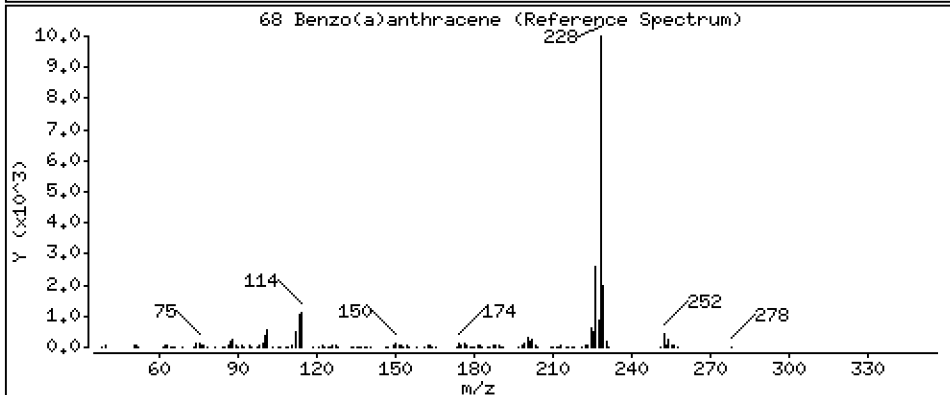
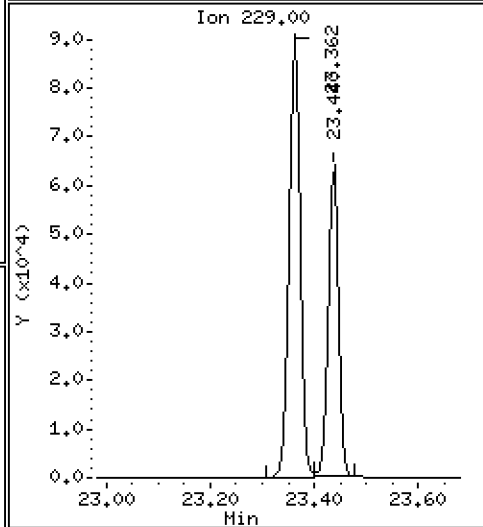
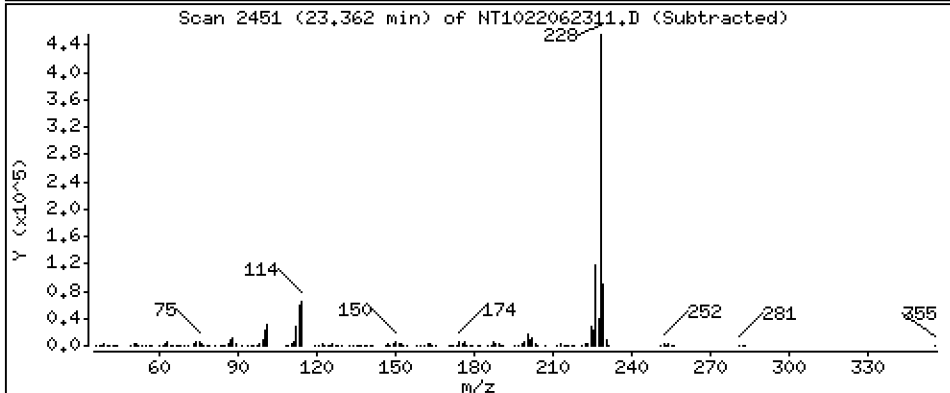
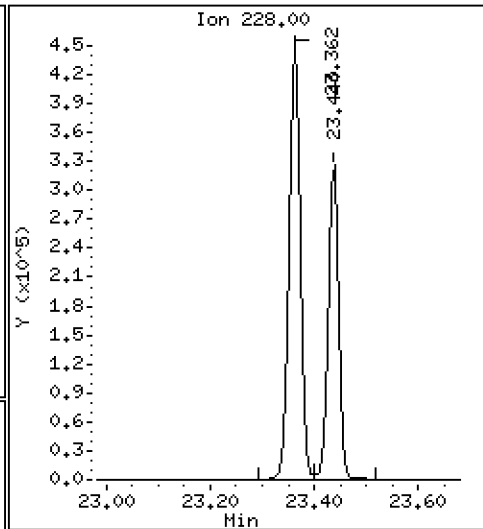
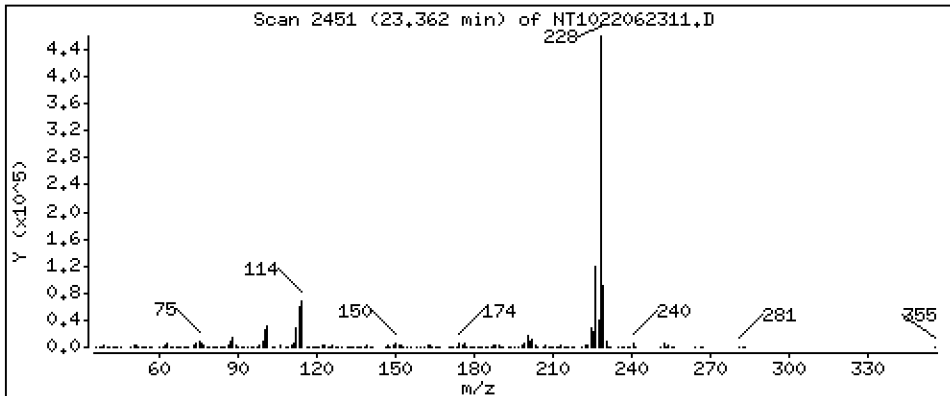
Operator: VTS

Column phase: ZB-5msi

Column diameter: 0,25

68 Benzo(a)anthracene

Concentration: 4,852 ug/mL



Date : 23-JUN-2022 15:20

Client ID:

Instrument: nt10.i

Sample Info: SKF0270-SCV1

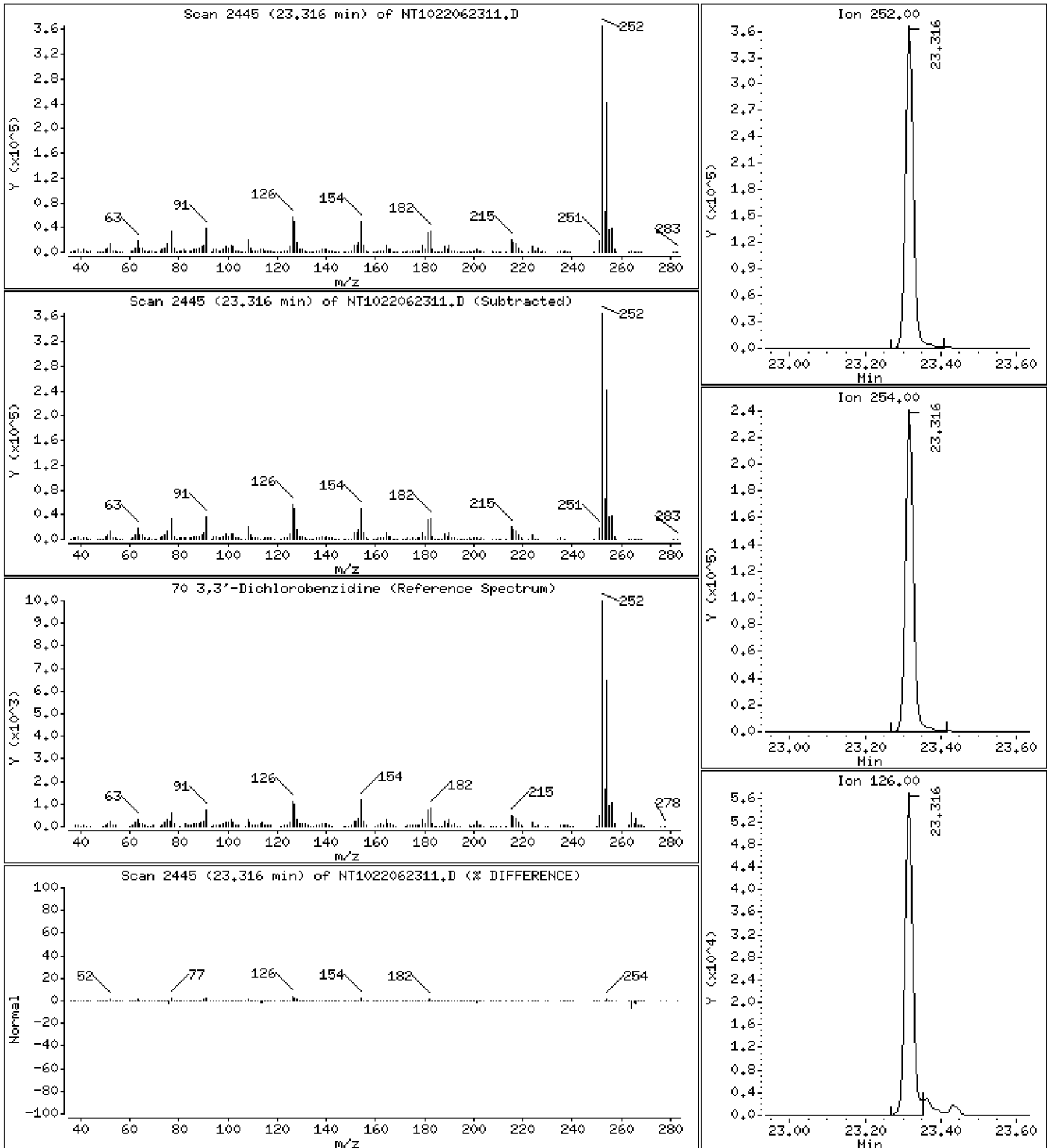
Operator: VTS

Column phase: ZB-5msi

Column diameter: 0,25

70 3,3'-Dichlorobenzidine

Concentration: 11,77 ug/mL



Date : 23-JUN-2022 15:20

Client ID:

Instrument: nt10.i

Sample Info: SKF0270-SCV1

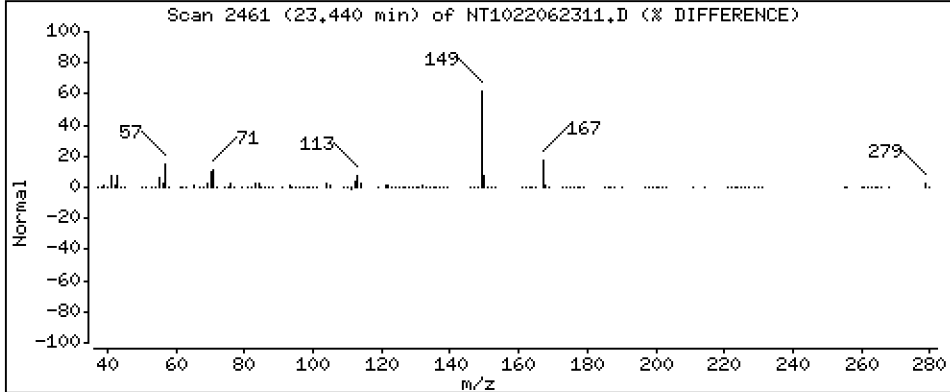
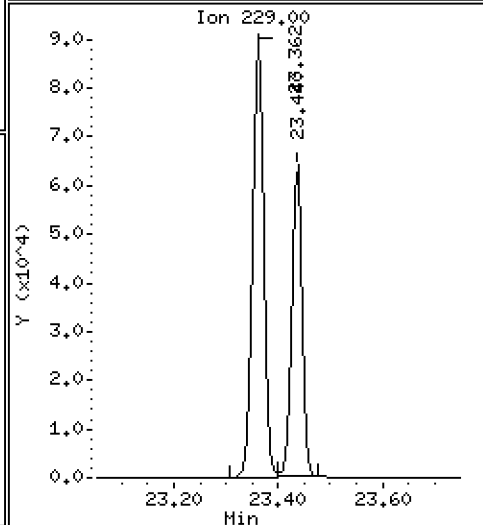
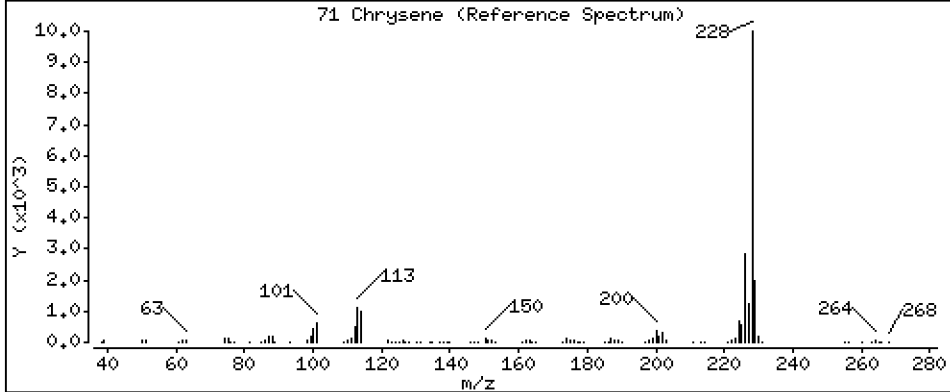
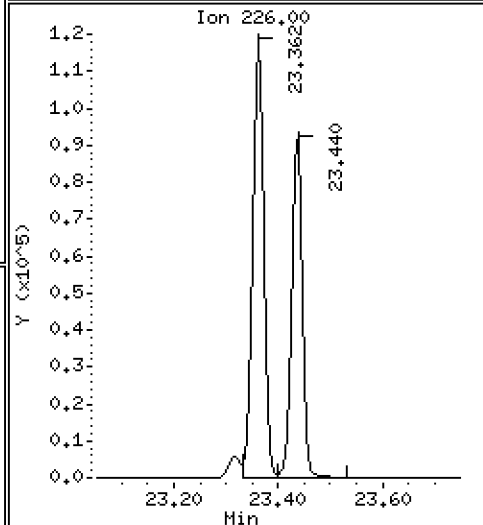
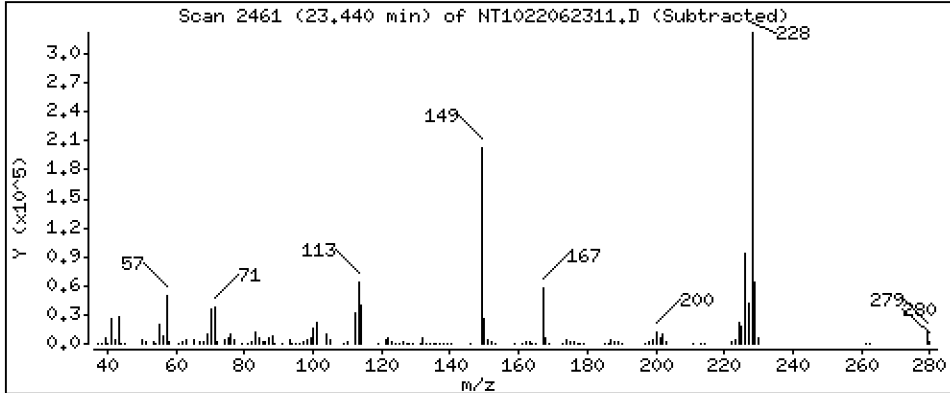
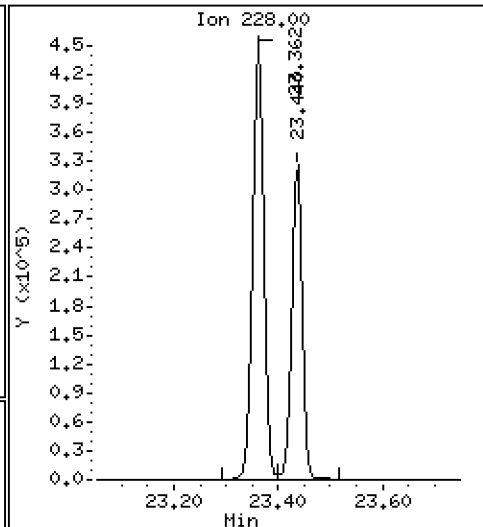
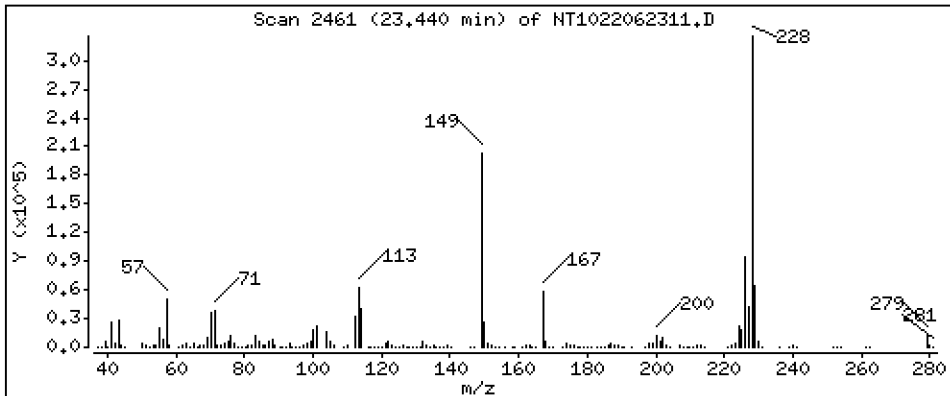
Operator: VTS

Column phase: ZB-5msi

Column diameter: 0,25

71 Chrysene

Concentration: 4,725 ug/mL



Date : 23-JUN-2022 15:20

Client ID:

Instrument: nt10.i

Sample Info: SKF0270-SCV1

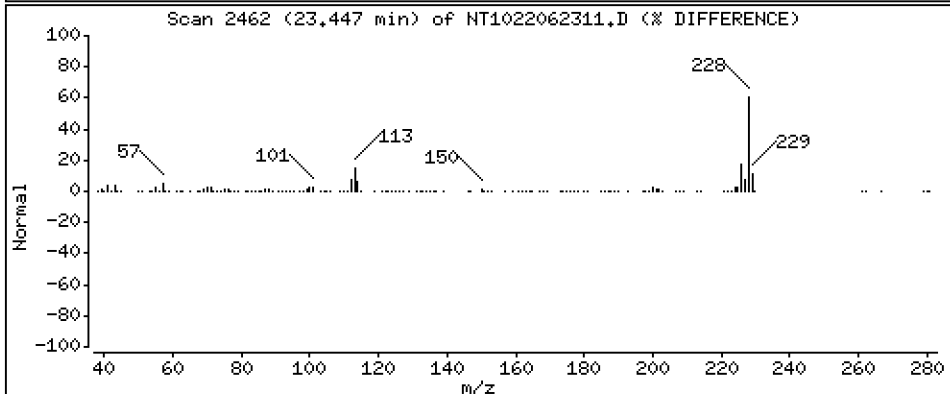
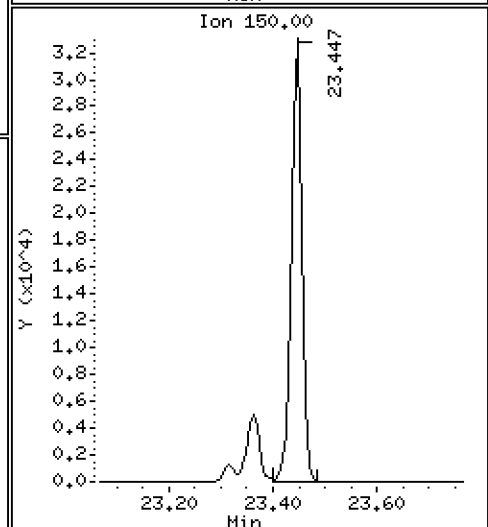
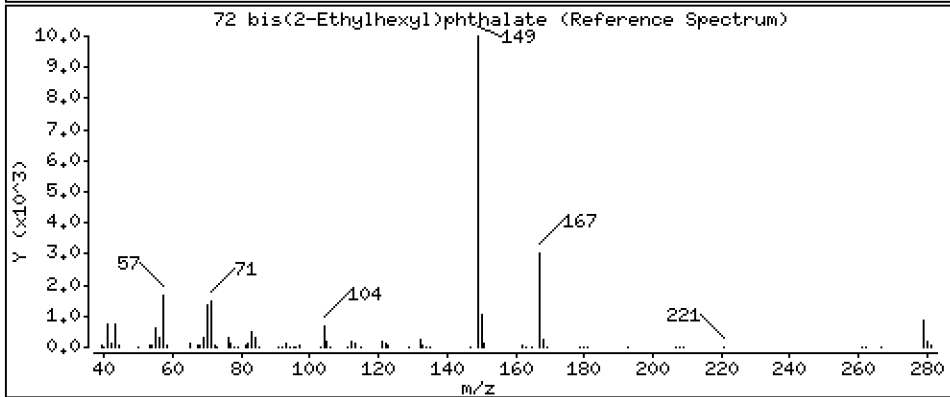
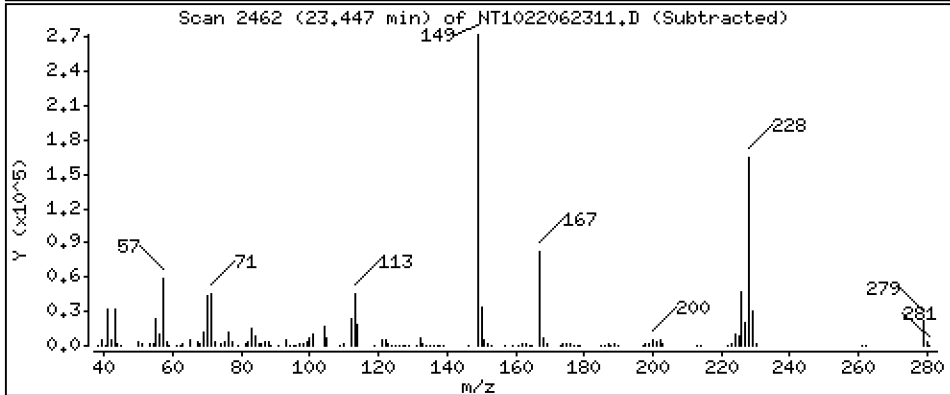
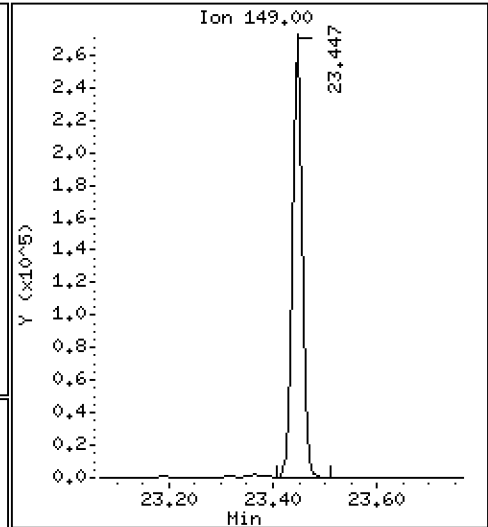
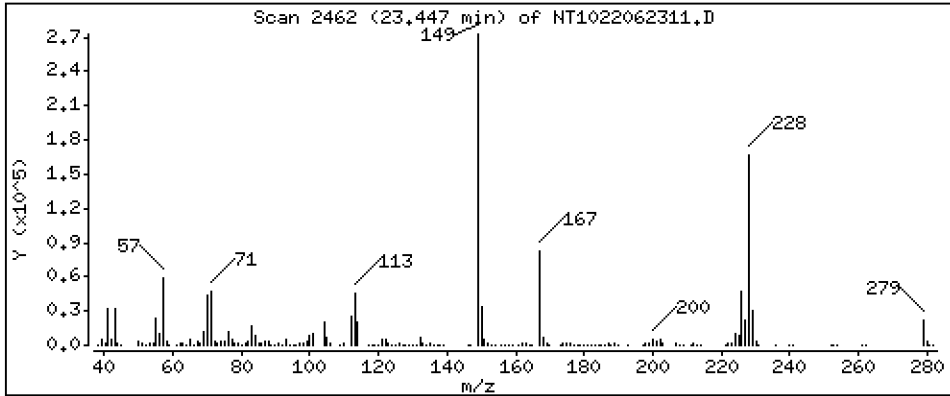
Operator: VTS

Column phase: ZB-5msi

Column diameter: 0,25

72 bis(2-Ethylhexyl)phthalate

Concentration: 5,061 ug/mL



Date : 23-JUN-2022 15:20

Client ID:

Instrument: nt10.i

Sample Info: SKF0270-SCV1

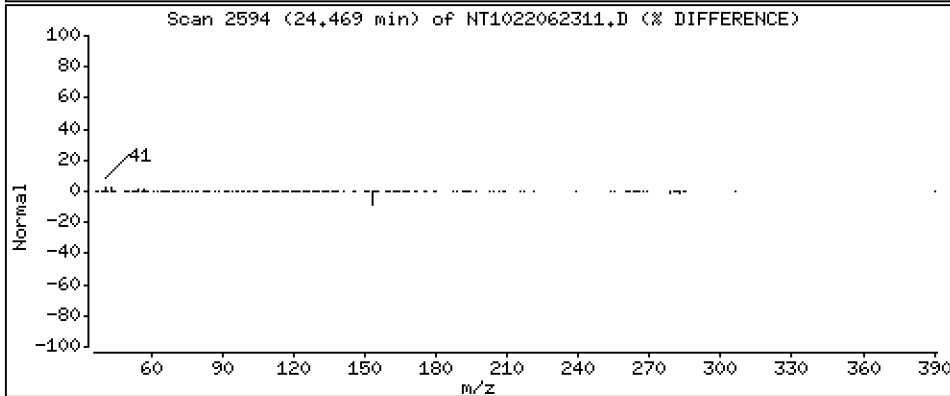
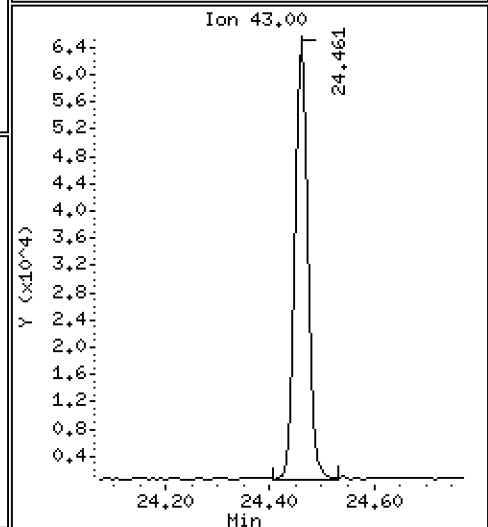
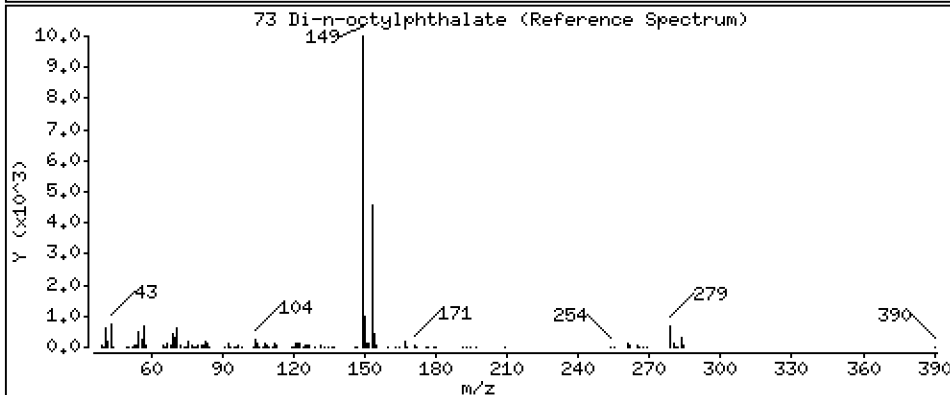
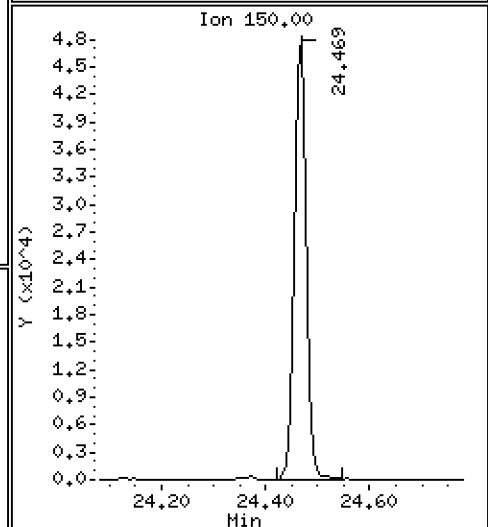
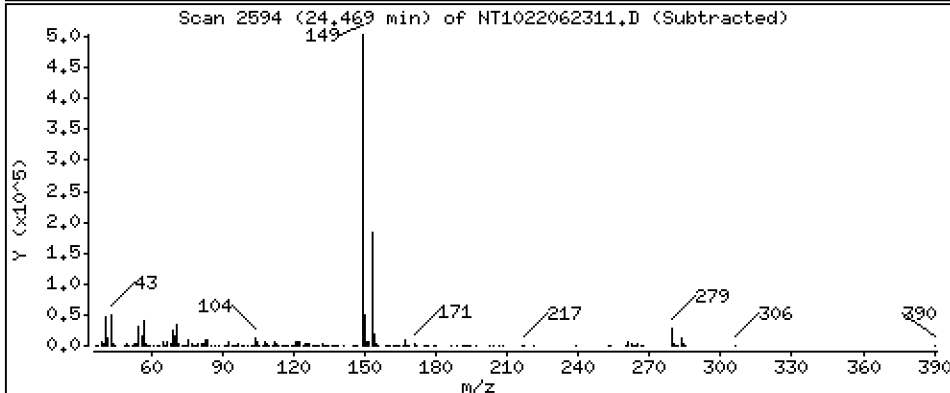
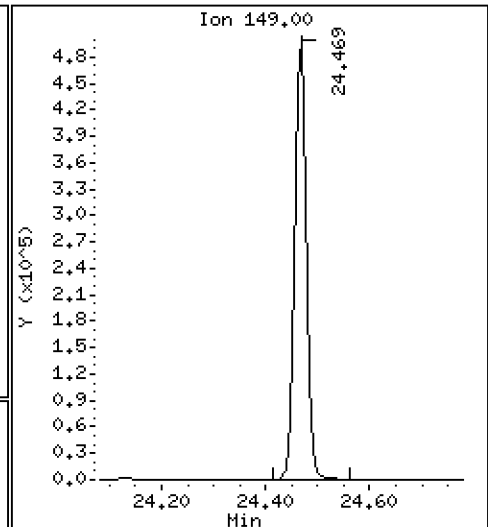
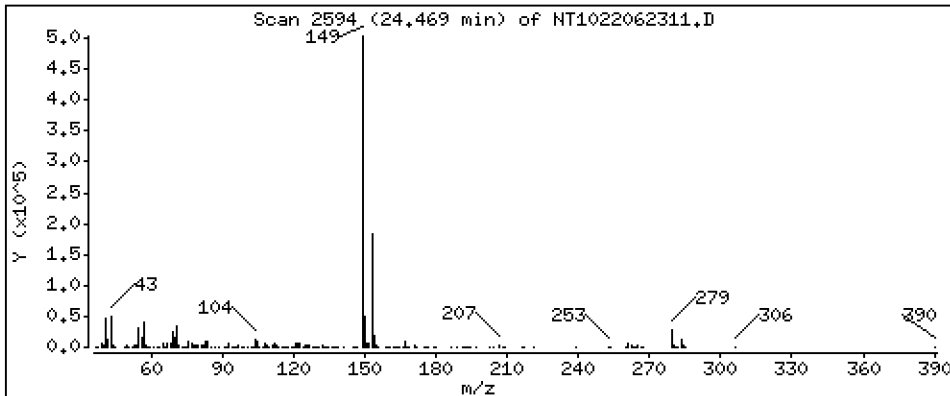
Operator: VTS

Column phase: ZB-5msi

Column diameter: 0,25

73 Di-n-octylphthalate

Concentration: 5,502 ug/mL



Date : 23-JUN-2022 15:20

Client ID:

Instrument: nt10.i

Sample Info: SKF0270-SCV1

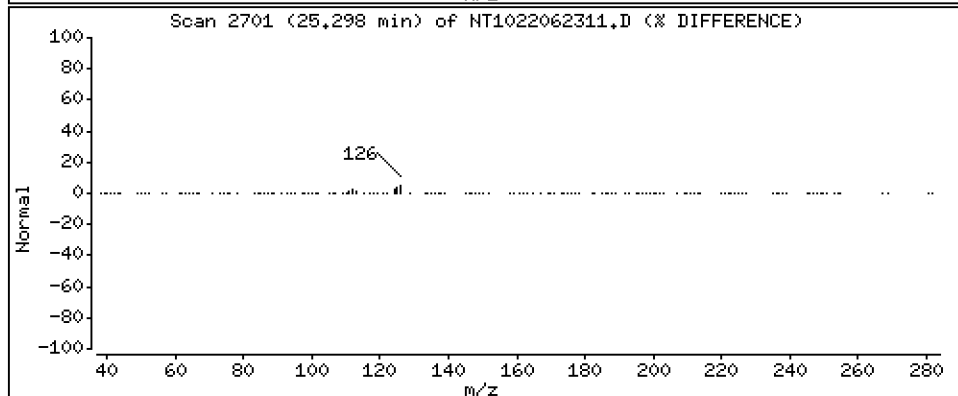
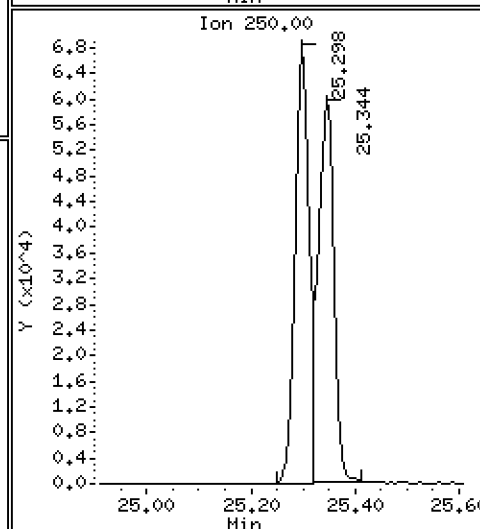
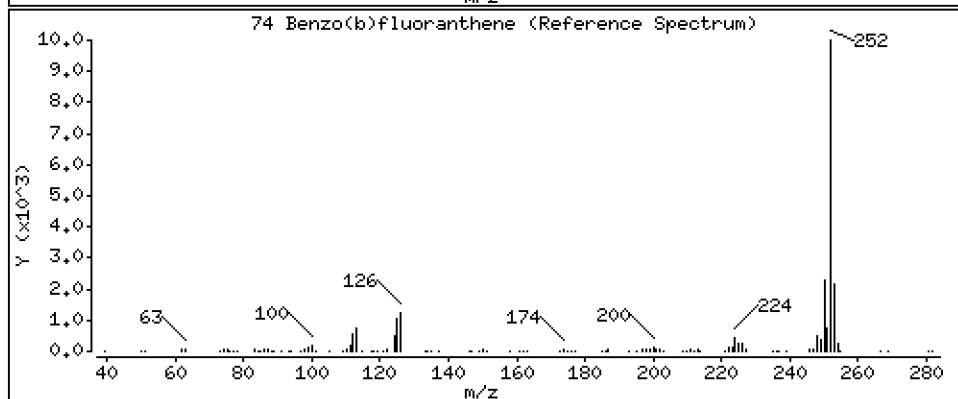
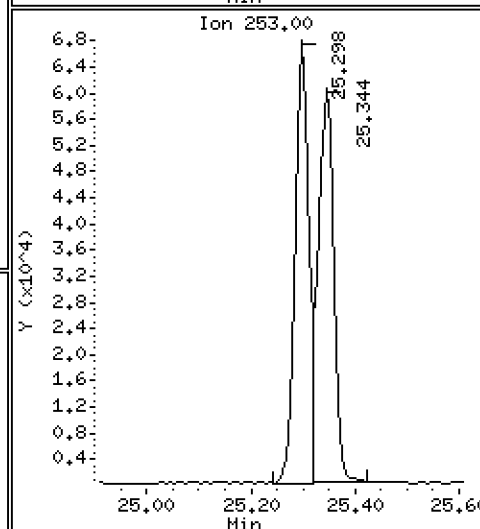
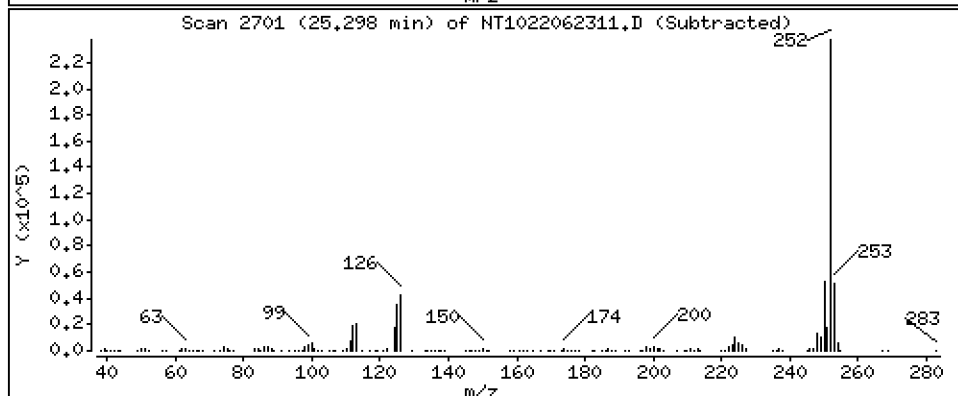
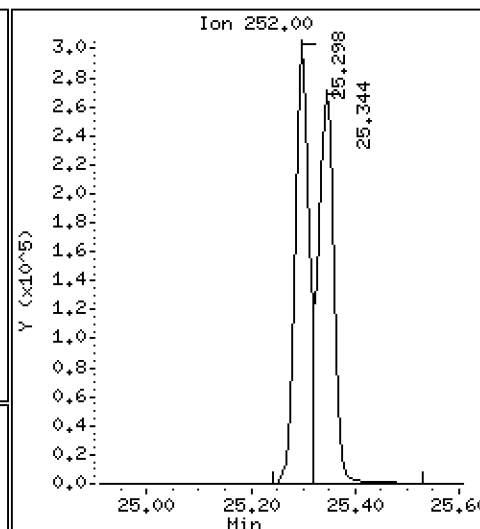
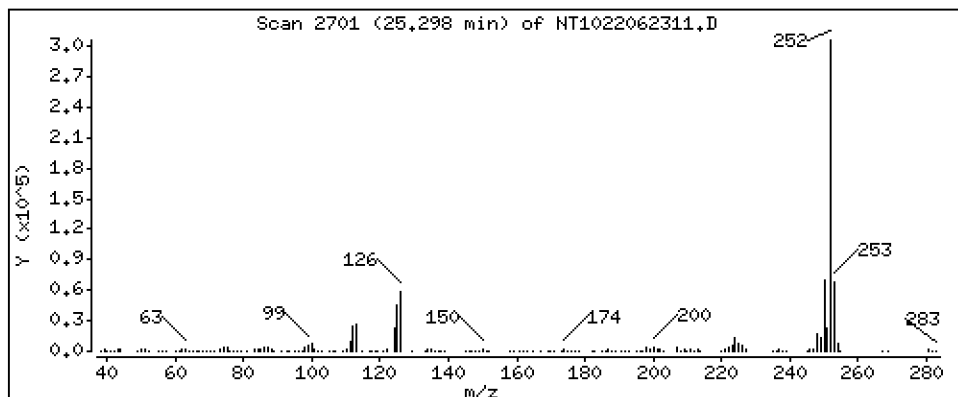
Operator: VTS

Column phase: ZB-5msi

Column diameter: 0,25

74 Benzo(b)fluoranthene

Concentration: 4,955 ug/mL



Date : 23-JUN-2022 15:20

Client ID:

Instrument: nt10.i

Sample Info: SKF0270-SCV1

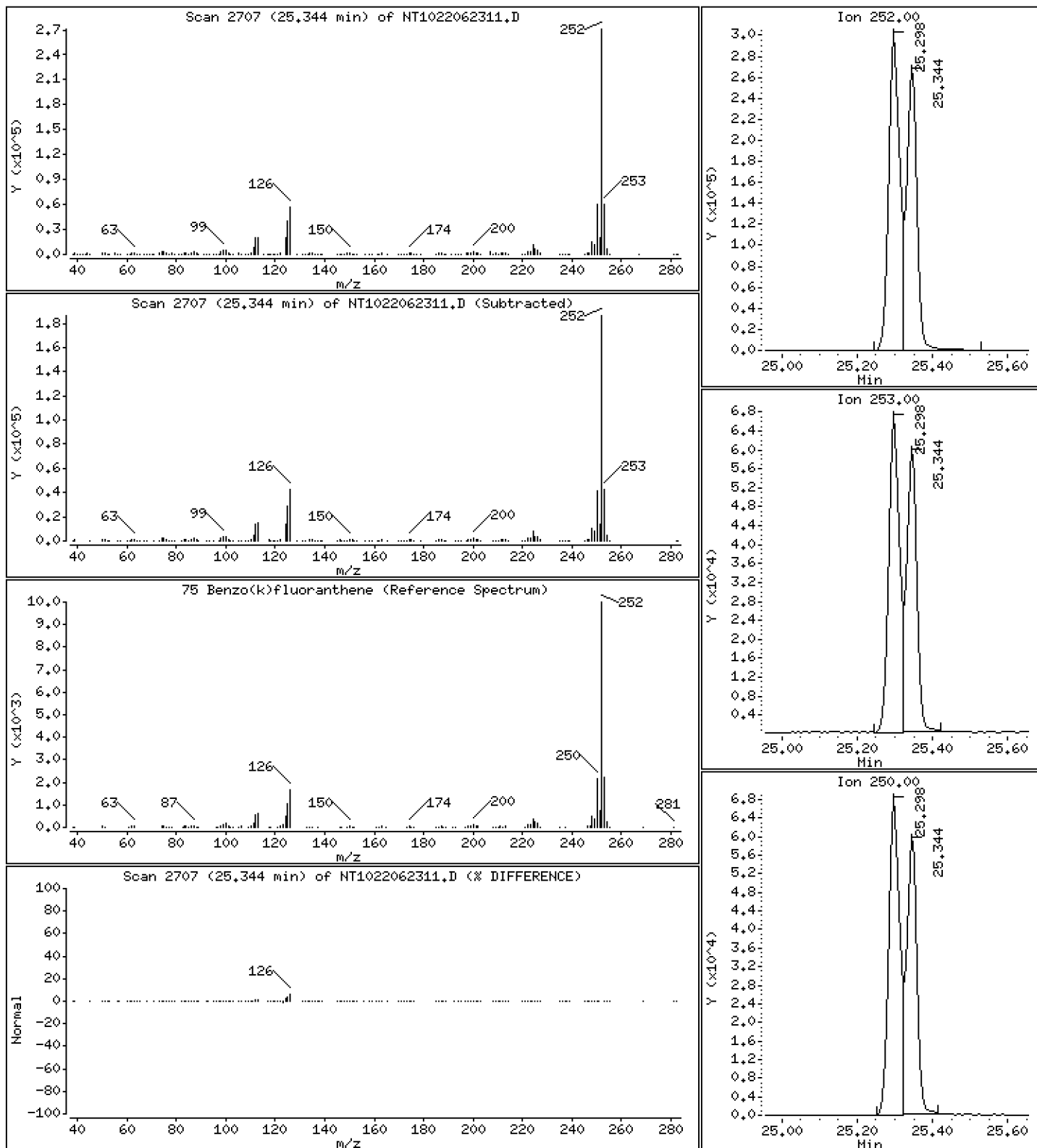
Operator: VTS

Column phase: ZB-5msi

Column diameter: 0,25

75 Benzo(k)fluoranthene

Concentration: 5,262 ug/mL



Date : 23-JUN-2022 15:20

Client ID:

Instrument: nt10.i

Sample Info: SKF0270-SCV1

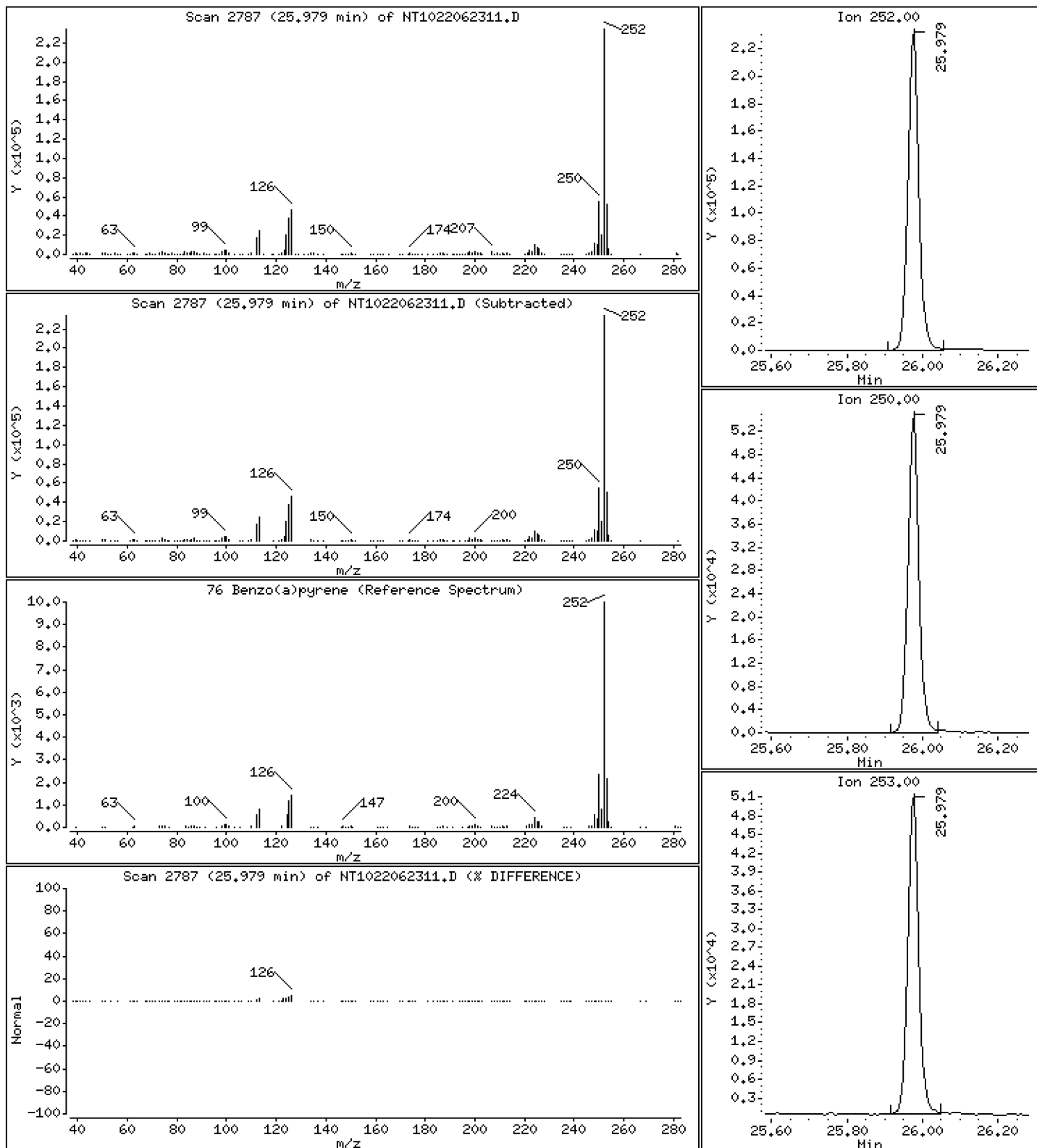
Operator: VTS

Column phase: ZB-5msi

Column diameter: 0,25

76 Benzo(a)pyrene

Concentration: 4,900 ug/mL



Date : 23-JUN-2022 15:20

Client ID:

Instrument: nt10.i

Sample Info: SKF0270-SCV1

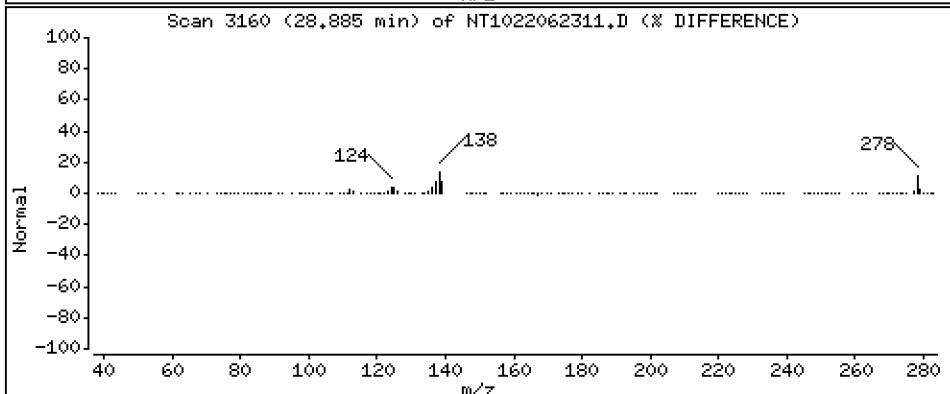
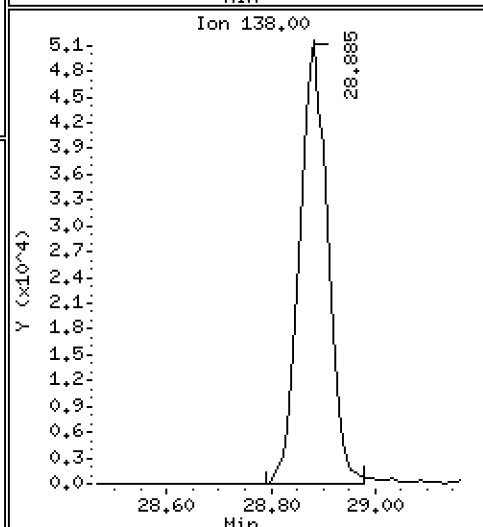
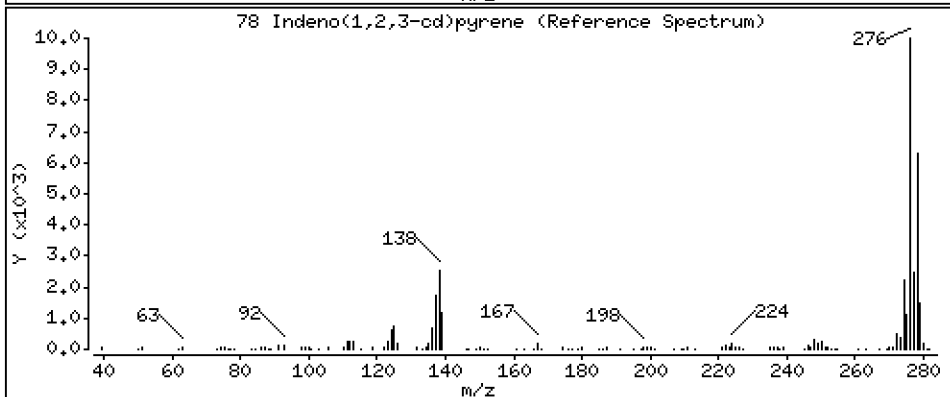
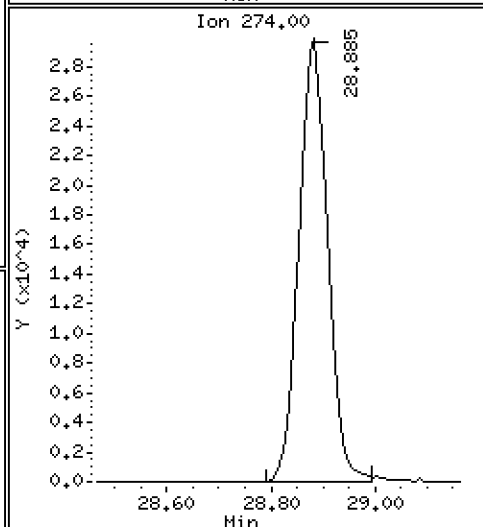
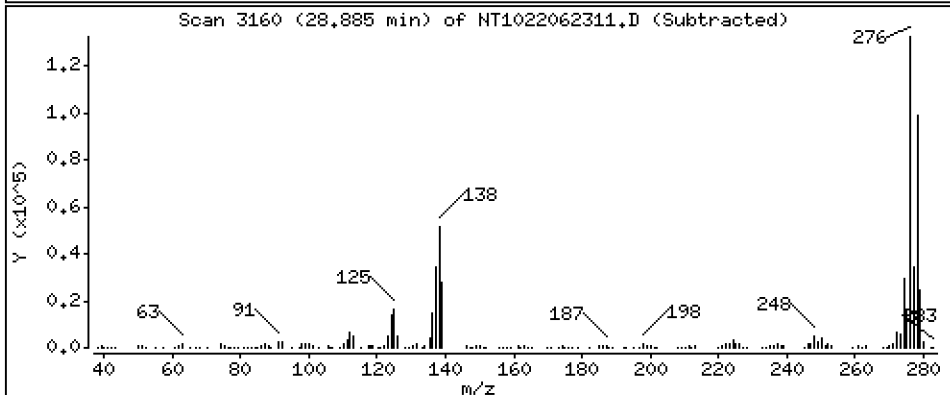
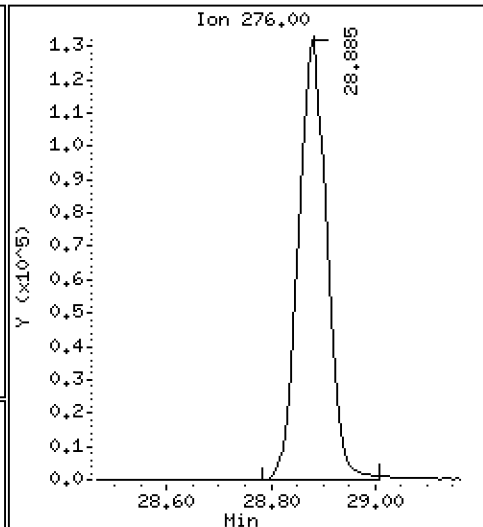
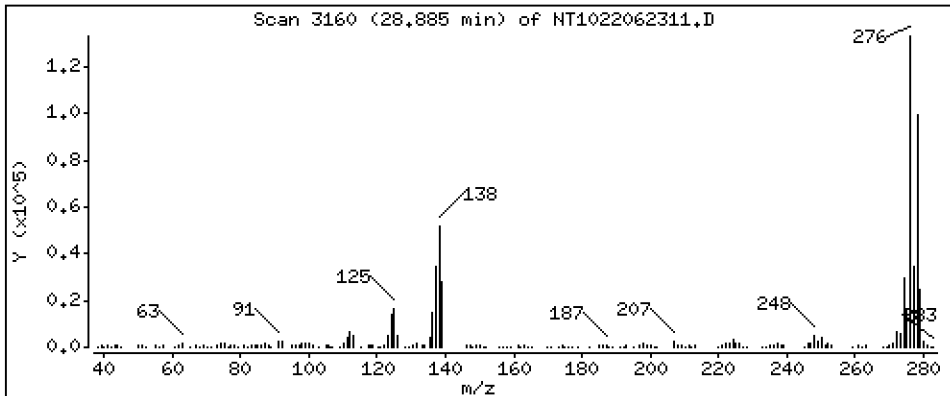
Operator: VTS

Column phase: ZB-5msi

Column diameter: 0,25

78 Indeno(1,2,3-cd)pyrene

Concentration: 4,763 ug/mL



Date : 23-JUN-2022 15:20

Client ID:

Instrument: nt10.i

Sample Info: SKF0270-SCV1

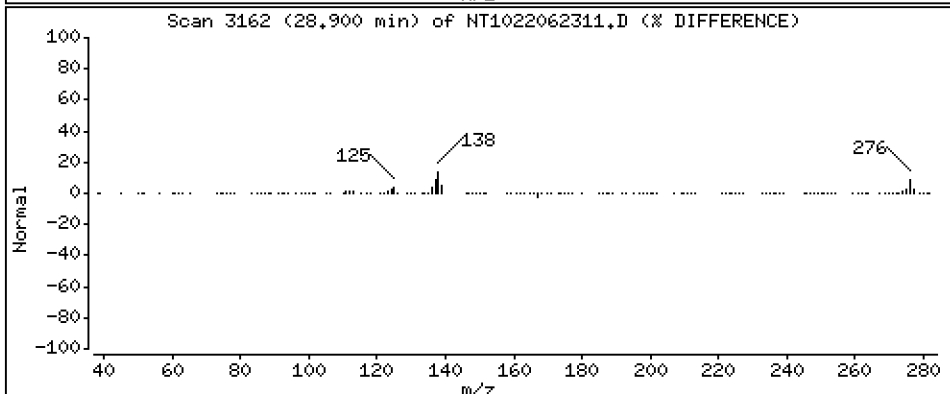
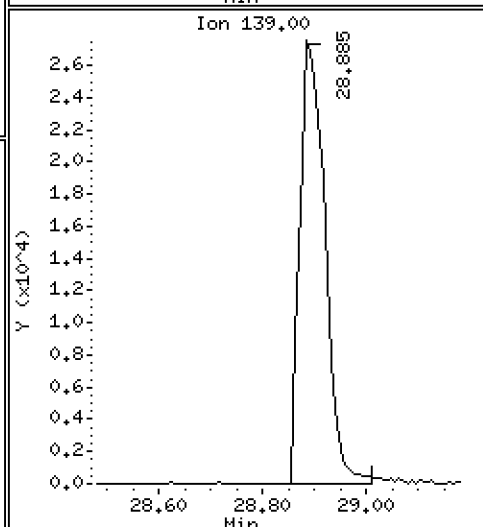
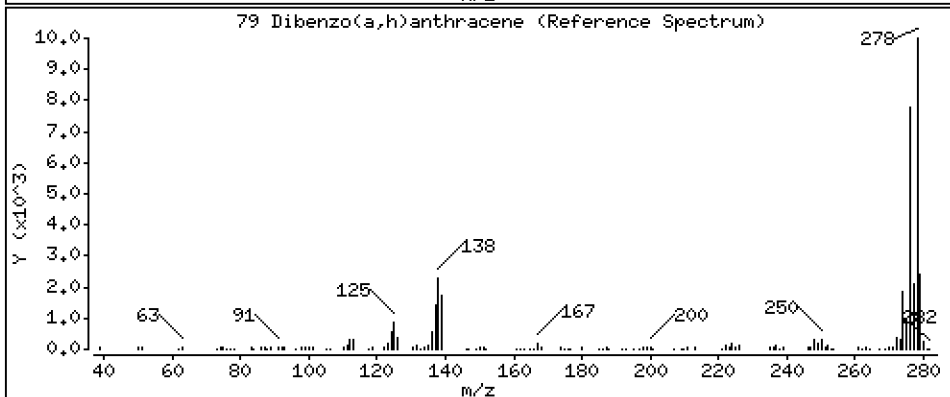
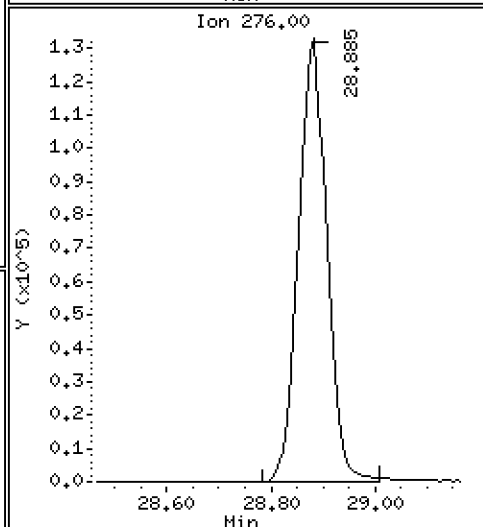
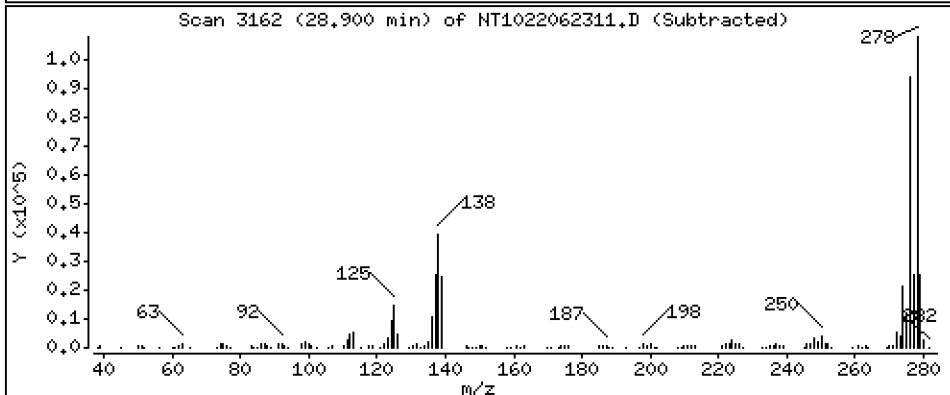
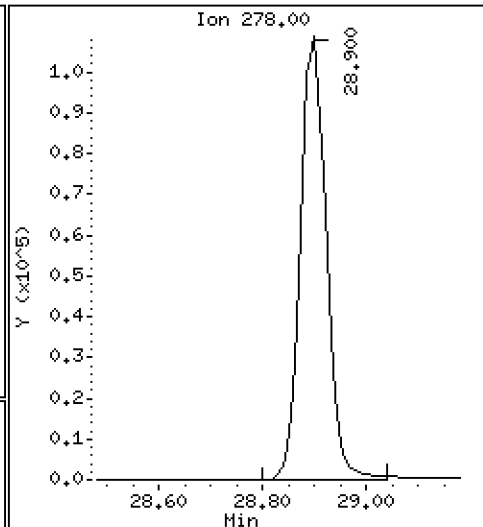
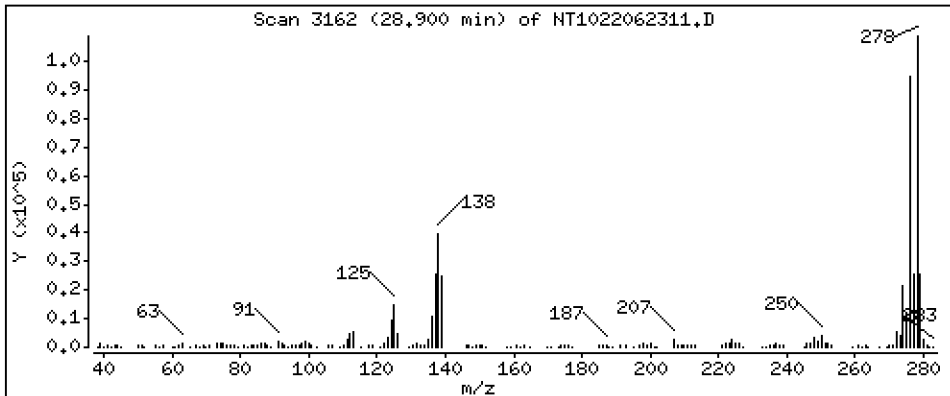
Operator: VTS

Column phase: ZB-5msi

Column diameter: 0,25

79 Dibenzo(a,h)anthracene

Concentration: 4,675 ug/mL



Date : 23-JUN-2022 15:20

Client ID:

Instrument: nt10.i

Sample Info: SKF0270-SCV1

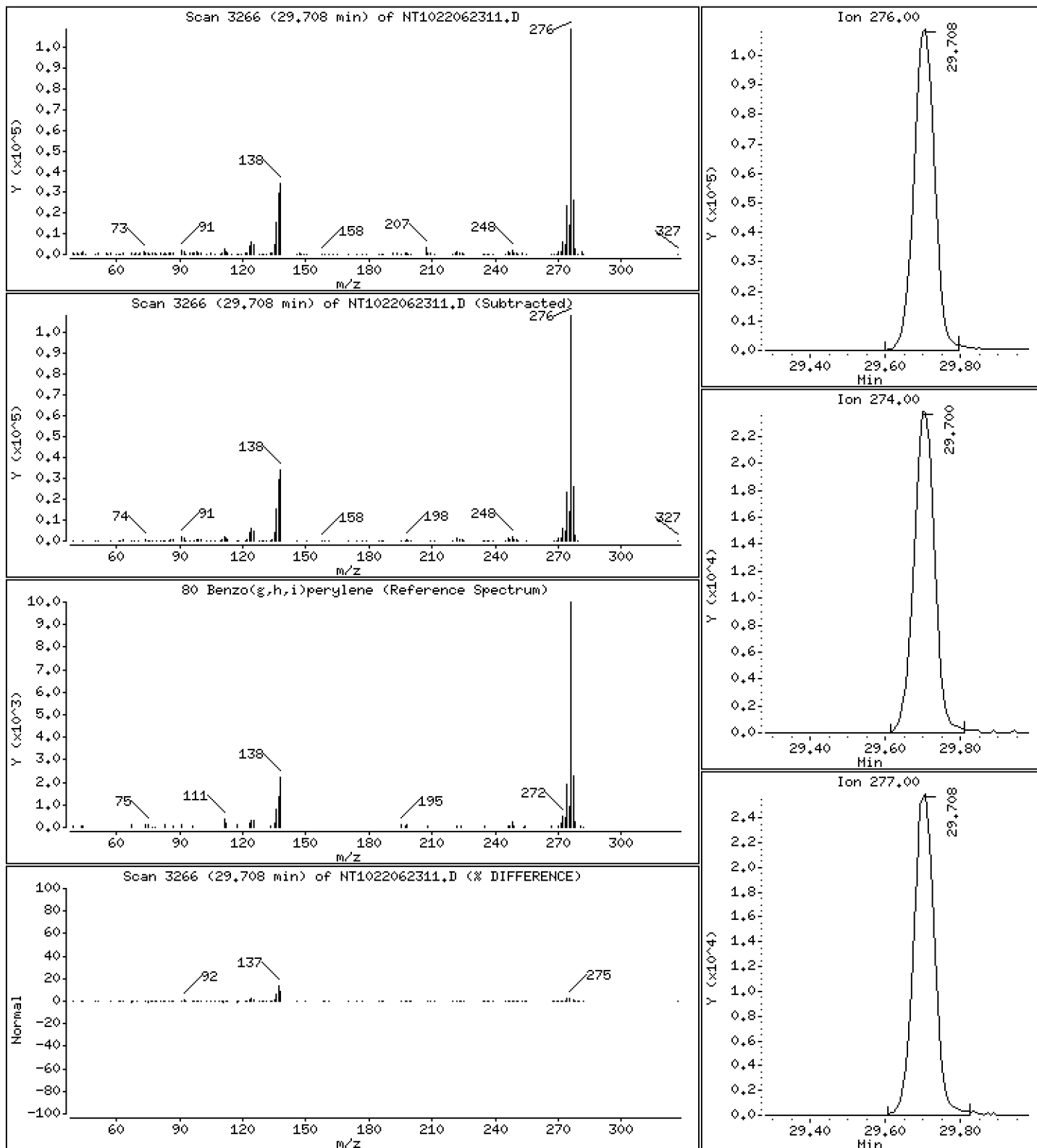
Operator: VTS

Column phase: ZB-5msi

Column diameter: 0,25

80 Benzo(g,h,i)perylene

Concentration: 4,912 ug/mL



Date : 23-JUN-2022 15:20

Client ID:

Instrument: nt10.i

Sample Info: SKF0270-SCV1

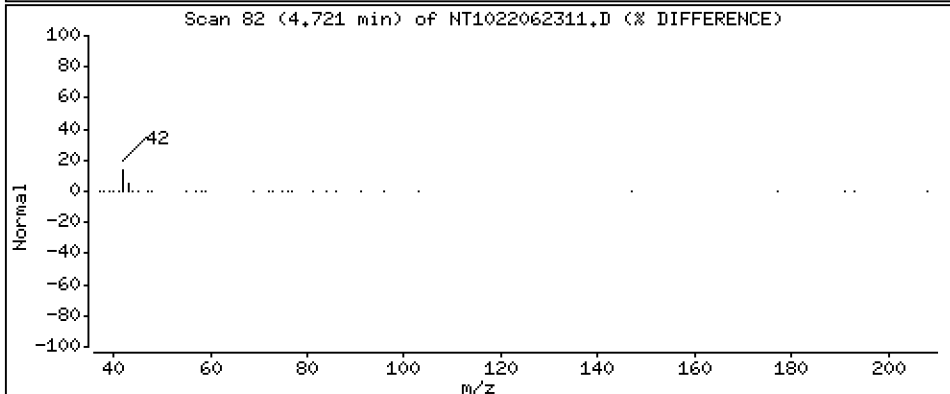
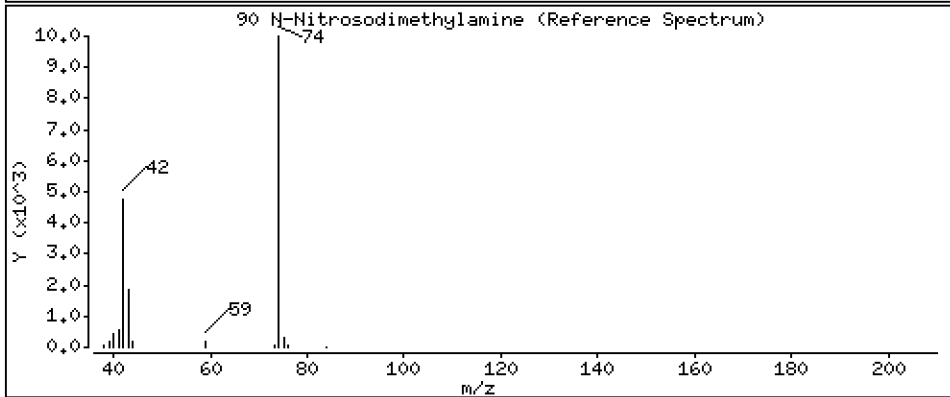
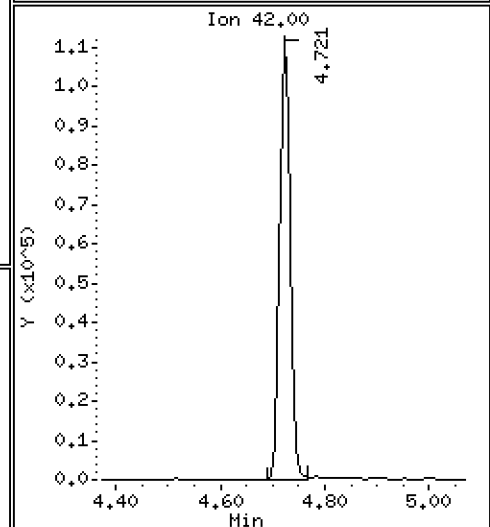
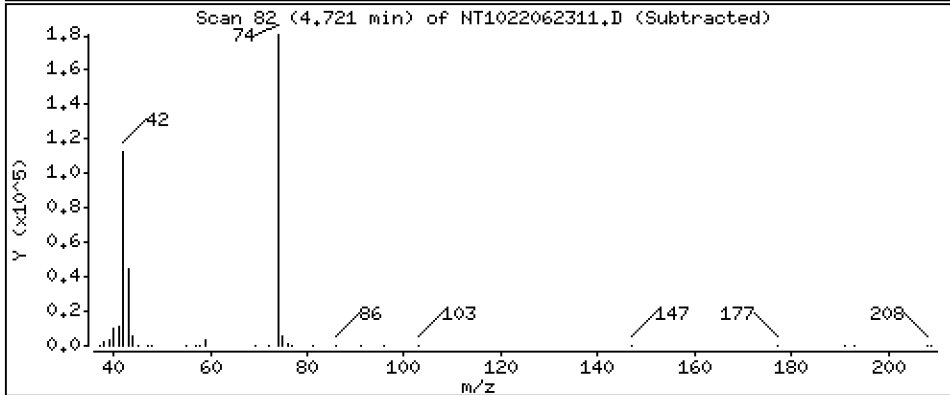
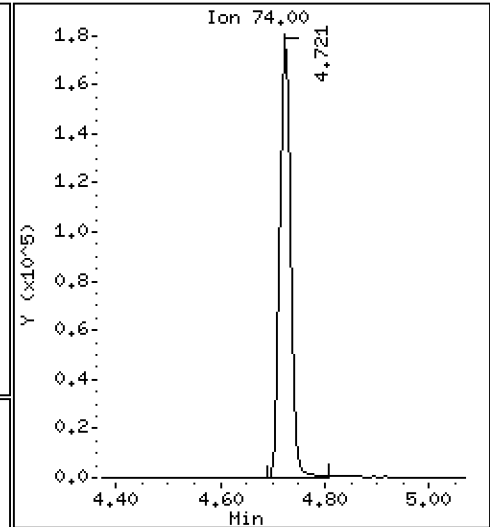
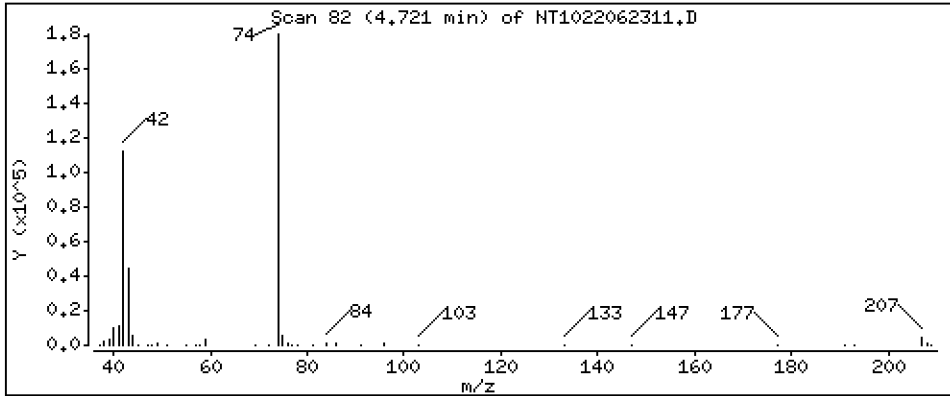
Operator: VTS

Column phase: ZB-5msi

Column diameter: 0,25

90 N-Nitrosodimethylamine

Concentration: 6,686 ug/mL



Date : 23-JUN-2022 15:20

Client ID:

Instrument: nt10.i

Sample Info: SKF0270-SCV1

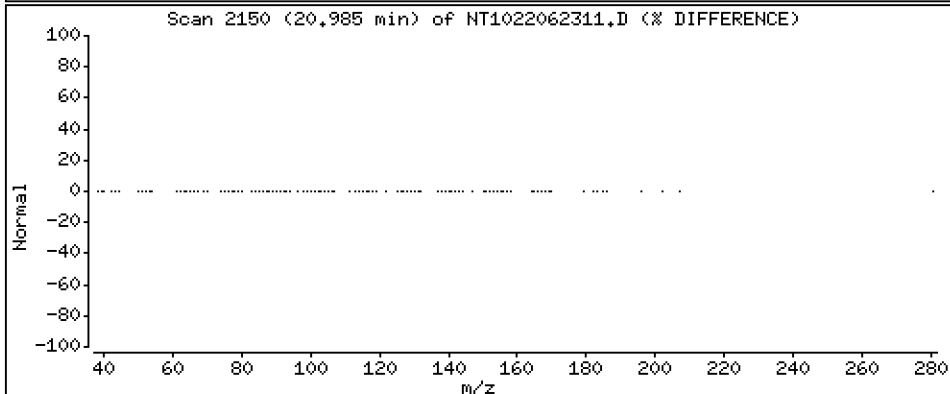
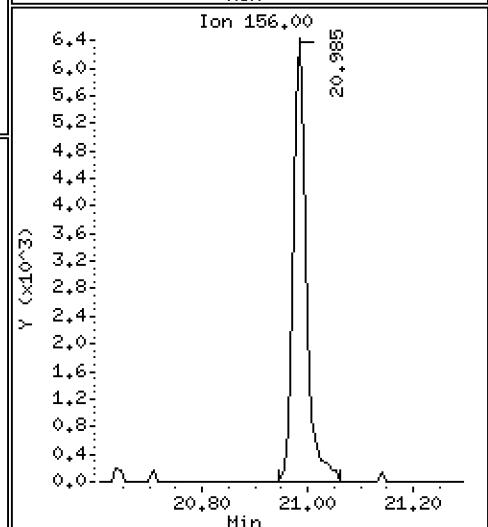
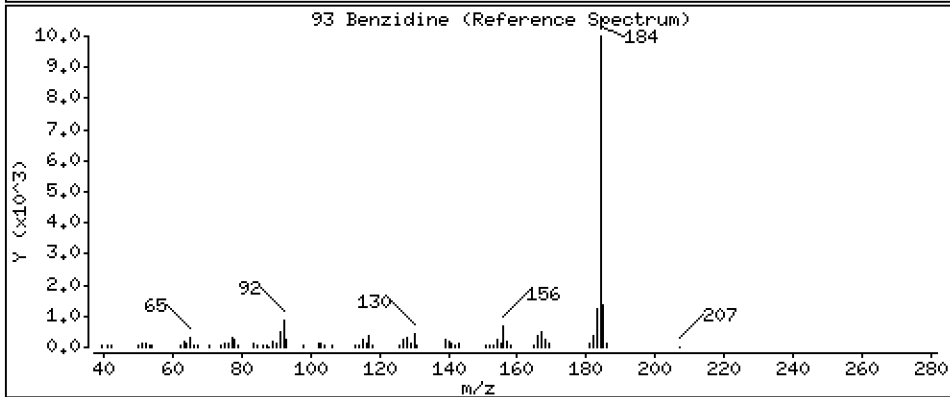
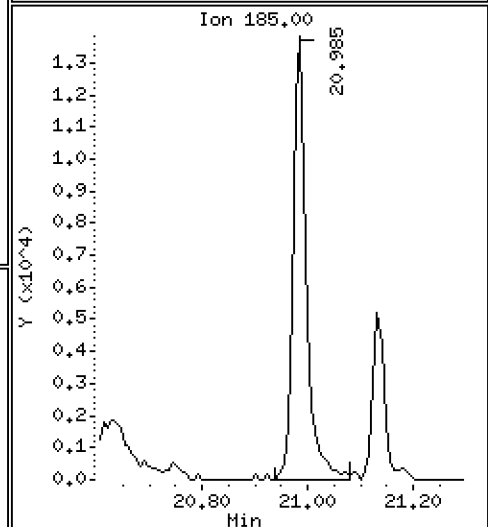
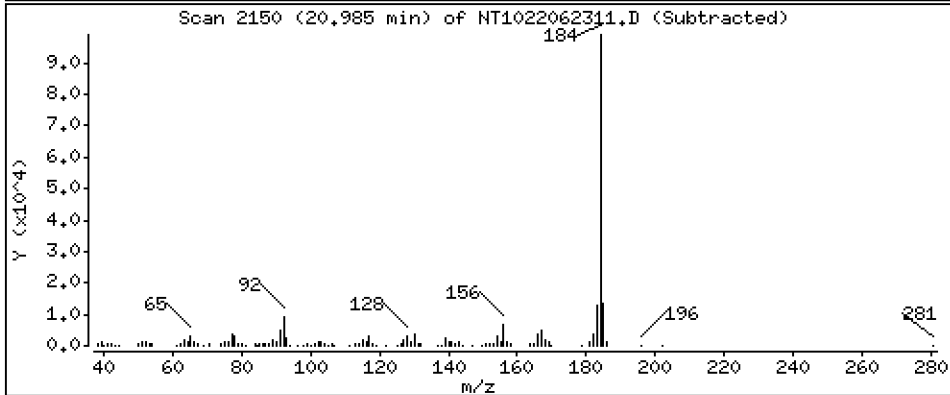
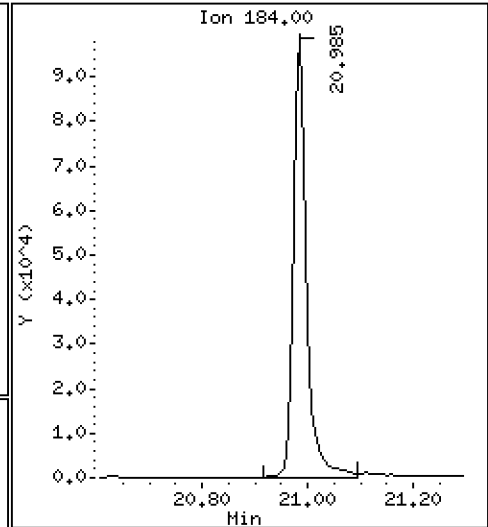
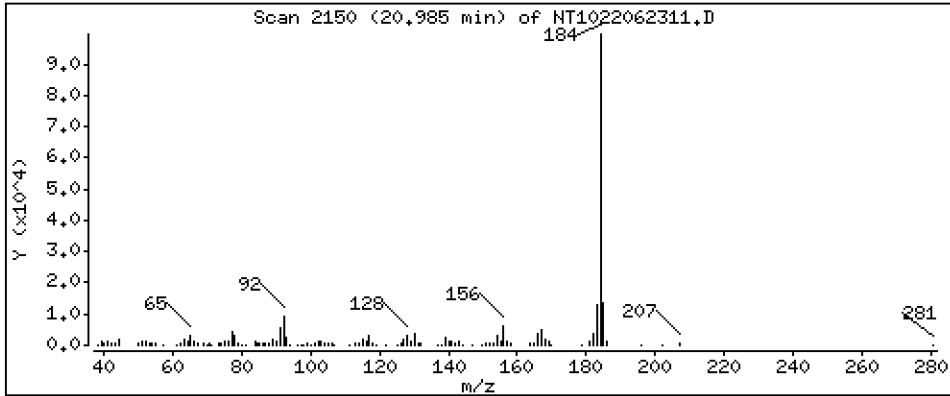
Operator: VTS

Column phase: ZB-5msi

Column diameter: 0,25

93 Benzidine

Concentration: 3,485 ug/mL



Date : 23-JUN-2022 15:20

Client ID:

Instrument: nt10.i

Sample Info: SKF0270-SCV1

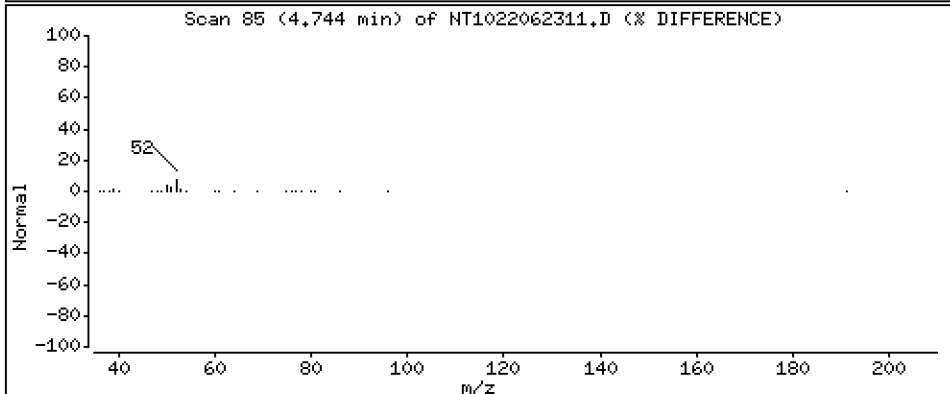
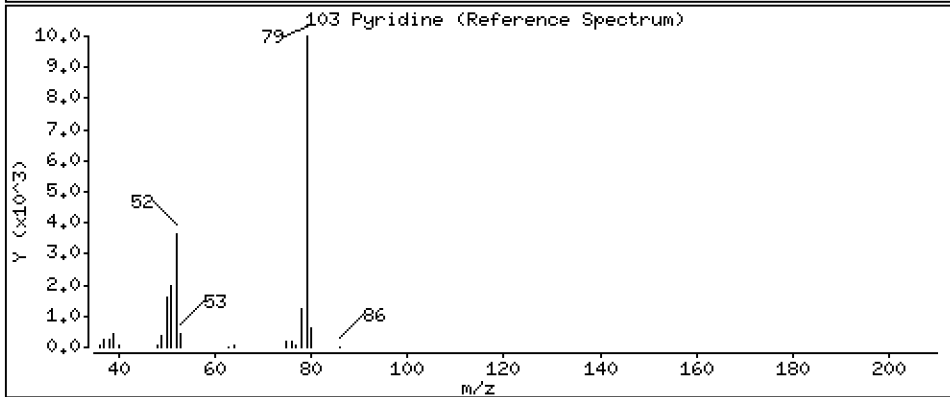
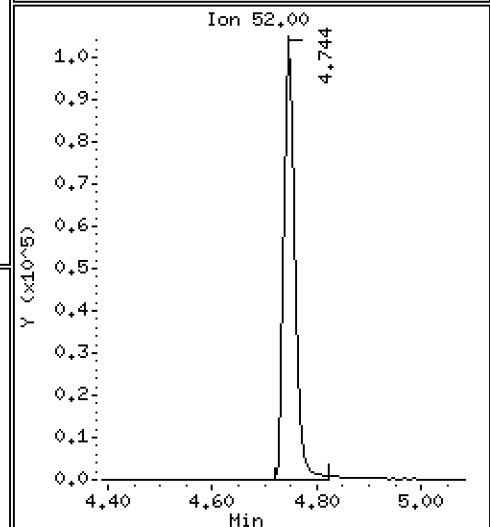
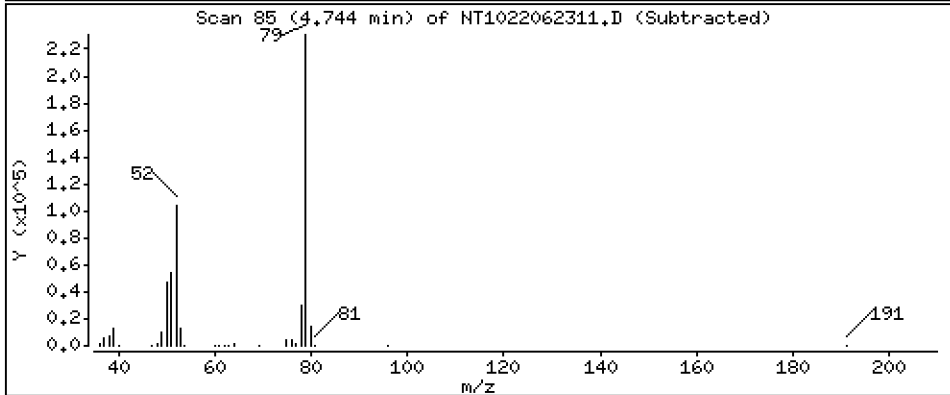
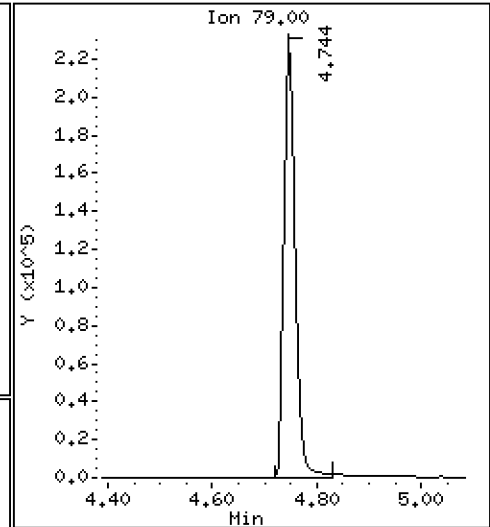
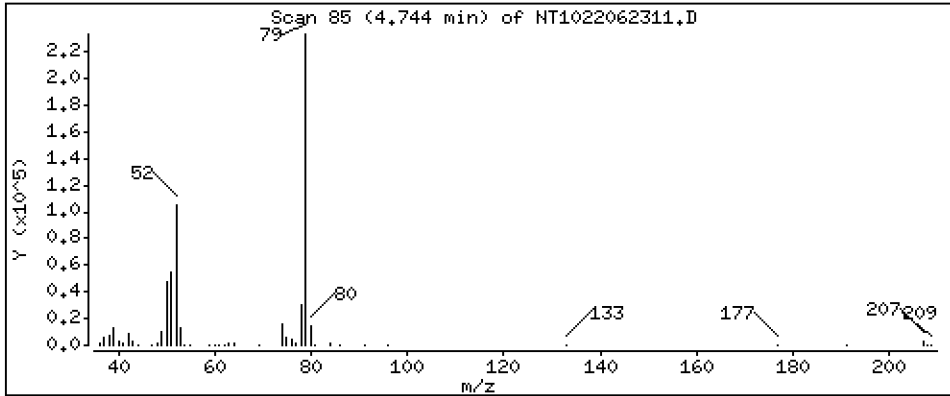
Operator: VTS

Column phase: ZB-5msi

Column diameter: 0,25

103 Pyridine

Concentration: 3,149 ug/mL



Date : 23-JUN-2022 15:20

Client ID:

Instrument: nt10.i

Sample Info: SKF0270-SCV1

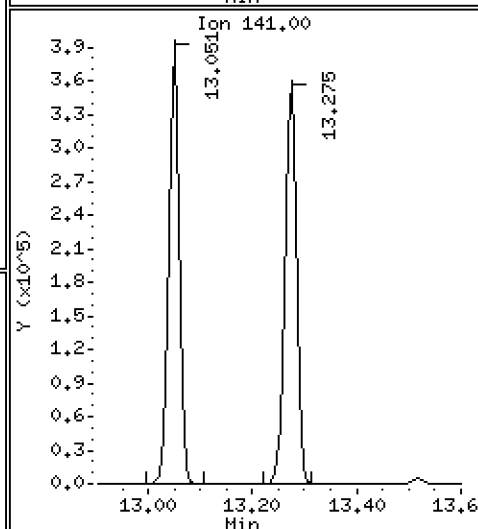
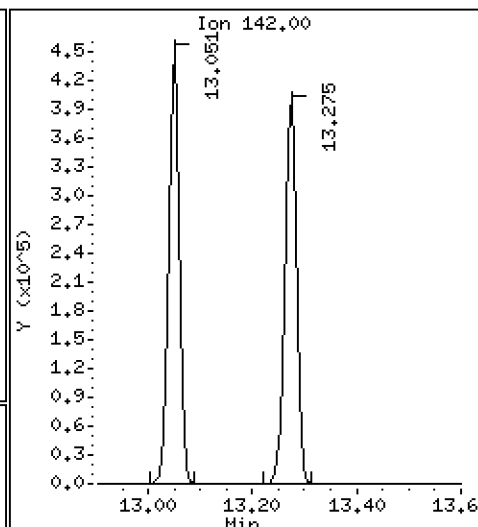
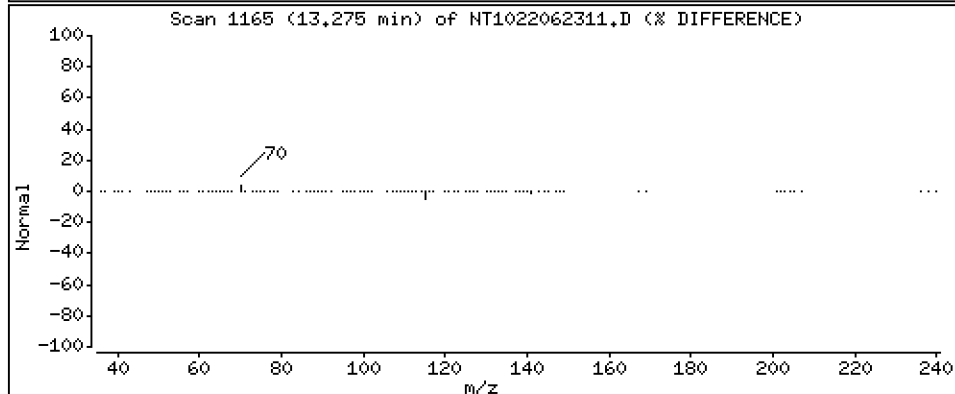
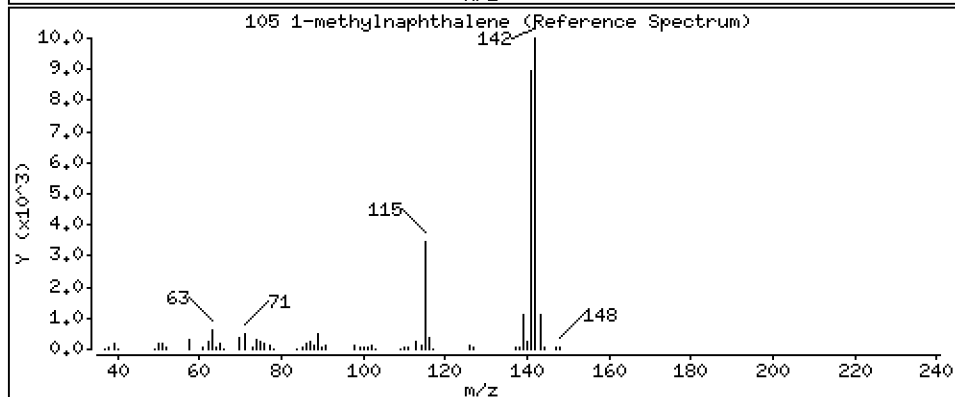
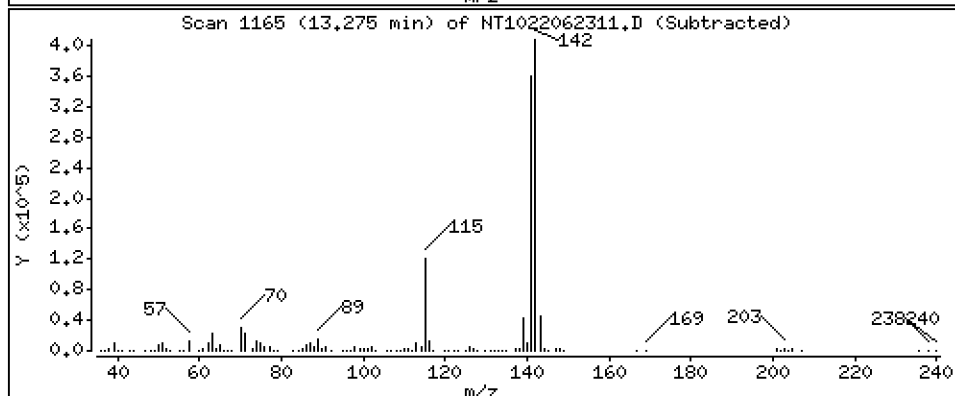
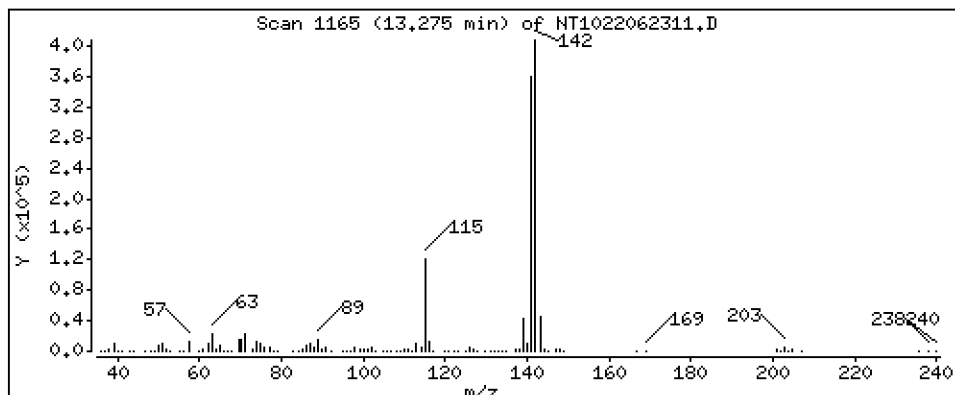
Operator: VTS

Column phase: ZB-5msi

Column diameter: 0,25

105 1-methylnaphthalene

Concentration: 5,162 ug/mL



Date : 23-JUN-2022 15:20

Client ID:

Instrument: nt10.i

Sample Info: SKF0270-SCV1

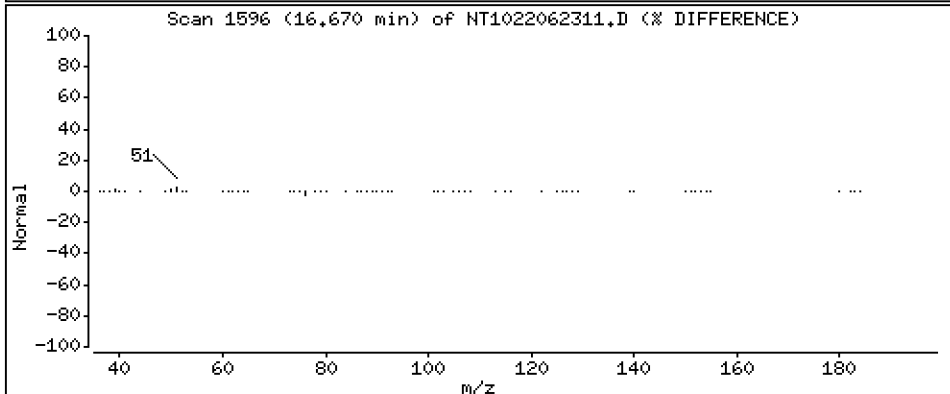
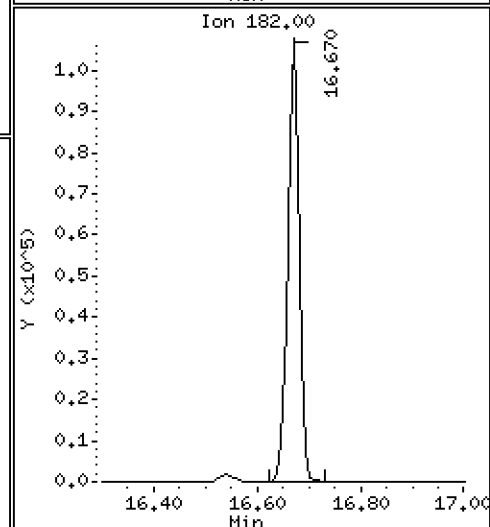
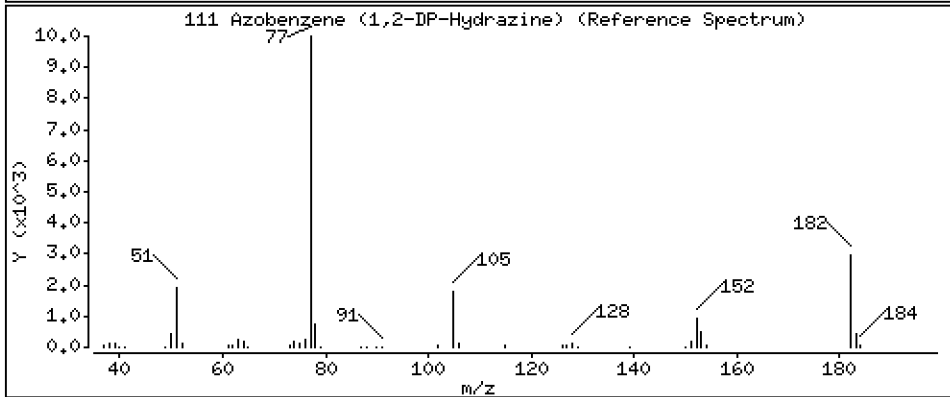
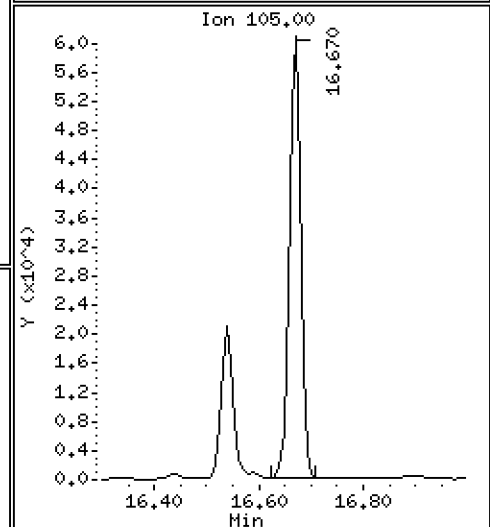
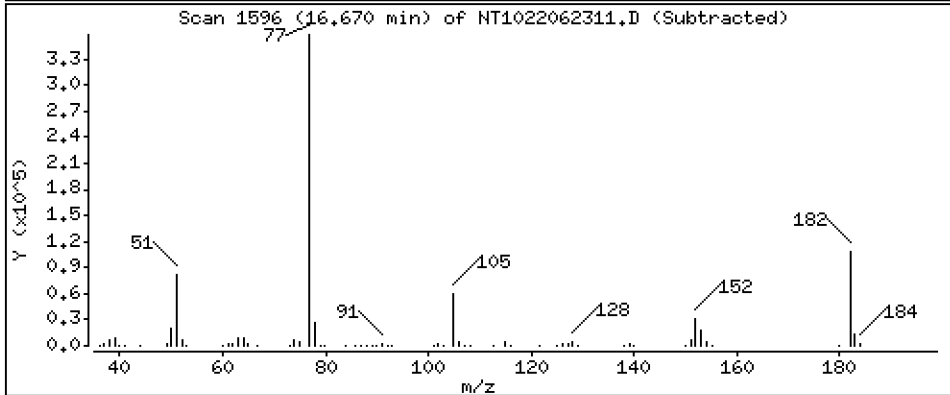
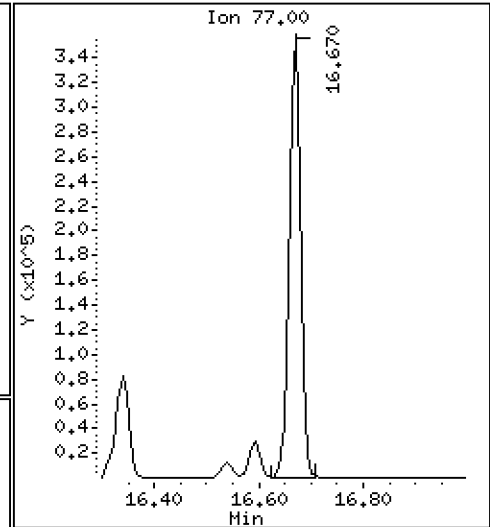
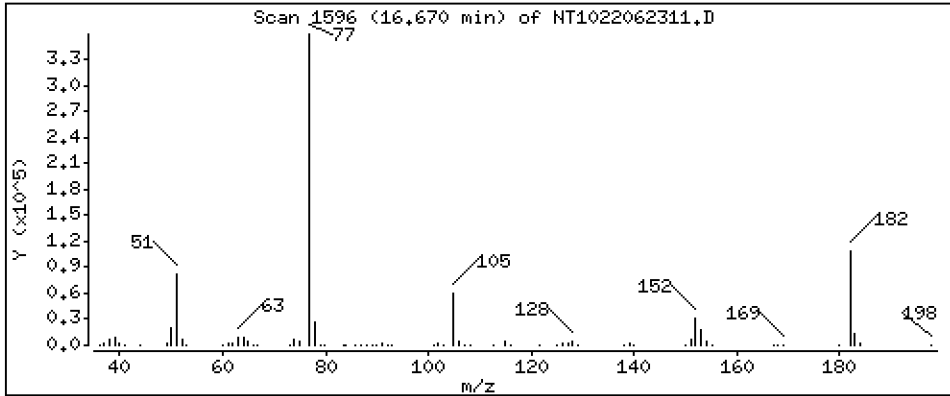
Operator: VTS

Column phase: ZB-5msi

Column diameter: 0,25

111 Azobenzene (1,2-DP-Hydrazine)

Concentration: 4,882 ug/mL



Date : 23-JUN-2022 15:20

Client ID:

Instrument: nt10.i

Sample Info: SKF0270-SCV1

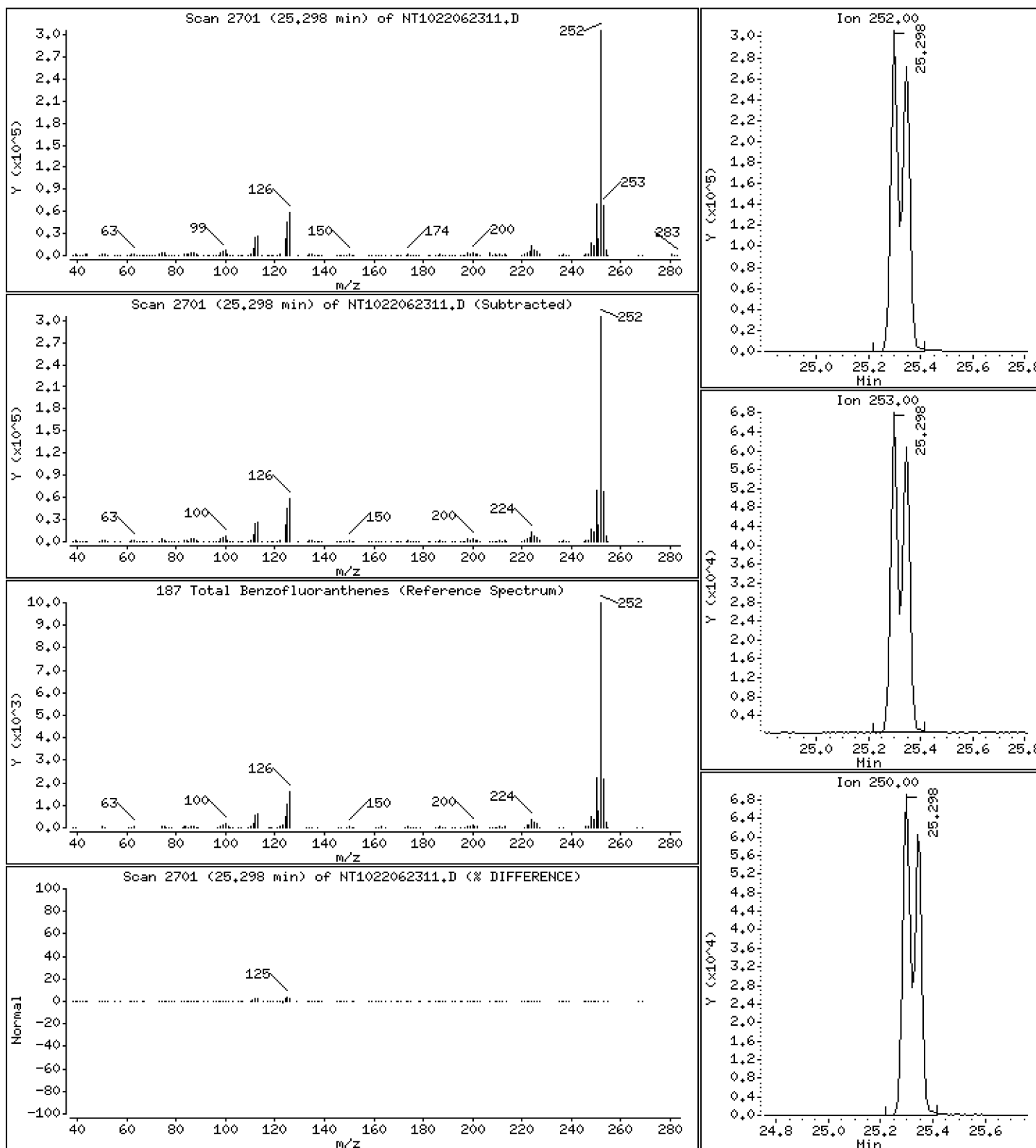
Operator: VTS

Column phase: ZB-5msi

Column diameter: 0,25

187 Total Benzofluoranthenes

Concentration: 9,832 ug/mL



Date : 23-JUN-2022 15:20

Client ID:

Instrument: nt10.i

Sample Info: SKF0270-SCV1

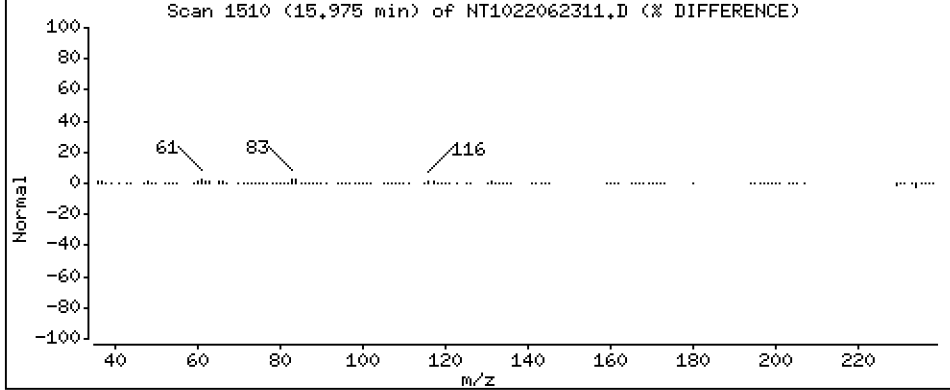
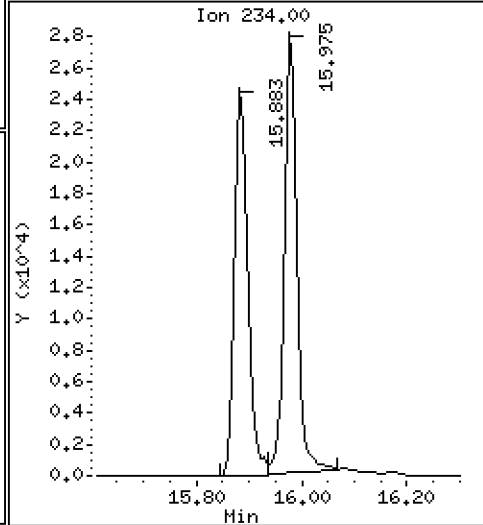
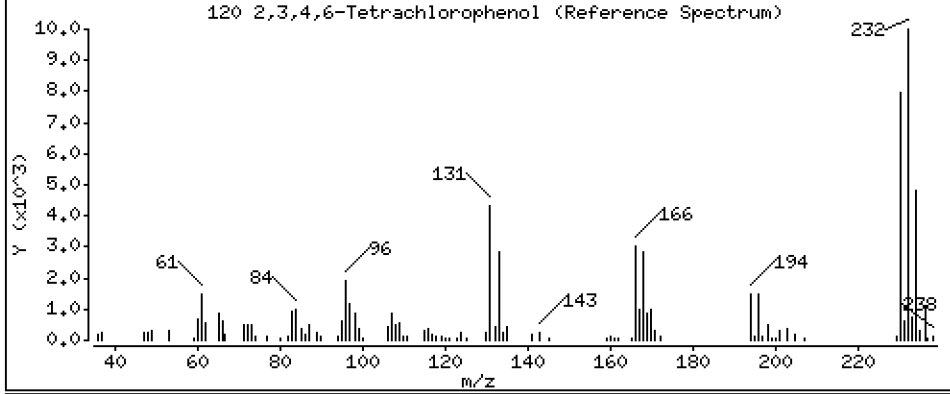
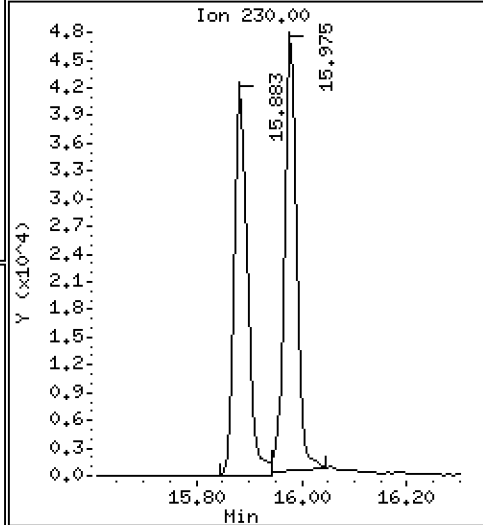
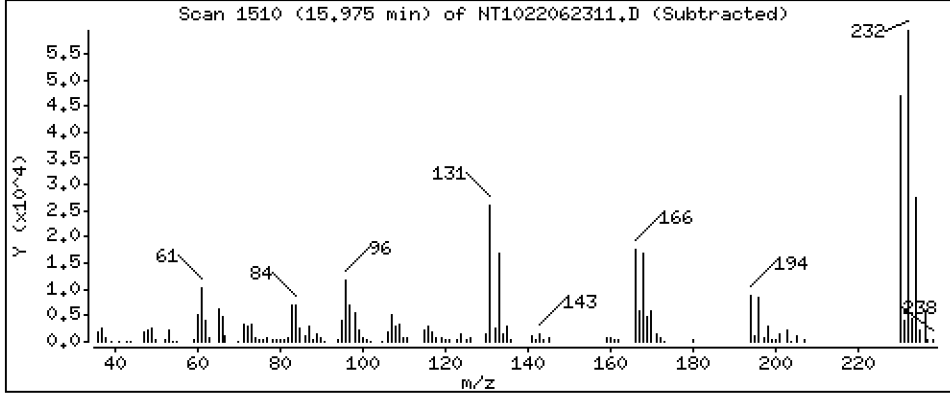
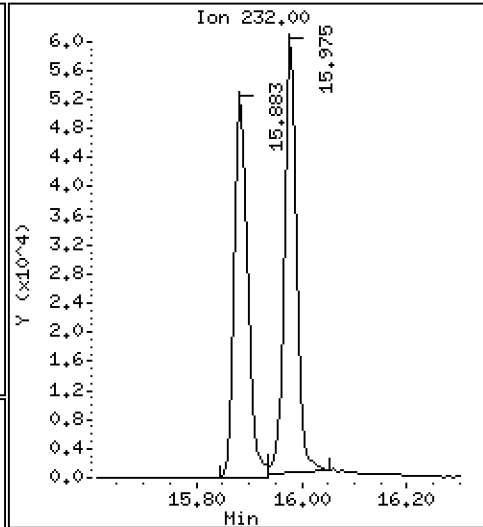
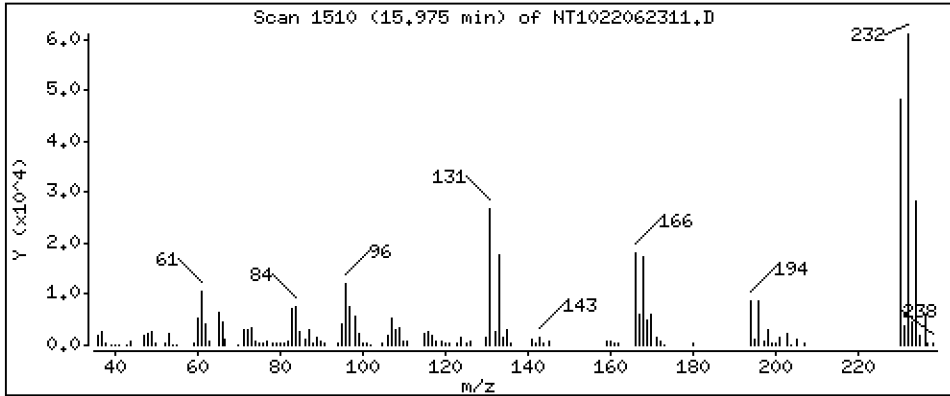
Operator: VTS

Column phase: ZB-5msi

Column diameter: 0,25

120 2,3,4,6-Tetrachlorophenol

Concentration: 4,000 ug/mL



ARI Labs, Inc.

Semivolatile Report SW846 Method 8270D

Data file : \\target\share\chem3\nt10.i\20220623.b\NT1022062311.D
 Lab Smp Id: SKF0270-SCV1
 Inj Date : 23-JUN-2022 15:20
 Operator : VTS
 Smp Info : SKF0270-SCV1
 Misc Info :
 Comment : 1ul Injection
 Method : \\target\share\chem3\nt10.i\20220623.b\ABN.m
 Meth Date : 24-Jun-2022 08:38 yev
 Cal Date : 23-JUN-2022 13:07
 Als bottle: 11
 Dil Factor: 1.00000
 Integrator: HP RTE
 Target Version: 4.14
 Processing Host: ORGDATA102

Inst ID: nt10.i

Quant Type: ISTD
 Cal File: NT1022062308.D

Compound Sublist: ICAL.sub

Compounds	QUANT	SIG	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS	
							ON-COLUMN (ug/mL)	FINAL (ug/mL)
\$ 1 2-Fluorophenol	112		6.898	6.891	(0.757)	447953	8.01867	8.019
\$ 2 Phenol-d5	99		8.482	8.475	(0.930)	653204	7.88040	7.880
3 Phenol	94		8.506	8.498	(0.933)	370864	5.13458	5.135
\$ 5 2-Chlorophenol-d4	132		8.753	8.745	(0.960)	431694	7.58399	7.584
4 Bis(2-Chloroethyl)ether	93		8.660	8.645	(0.950)	301080	5.79201	5.792
6 2-Chlorophenol	128		8.784	8.776	(0.963)	299371	5.19893	5.199
7 1,3-Dichlorobenzene	146		9.055	9.039	(0.993)	312260	5.01369	5.014
* 8 1,4-Dichlorobenzene-d4	152		9.117	9.101	(1.000)	152987	4.00000	
9 1,4-Dichlorobenzene	146		9.148	9.132	(1.003)	260034	5.29668	5.297
\$ 10 1,2-Dichlorobenzene-d4	152		9.474	9.466	(1.039)	174442	4.97336	4.973
12 1,2-Dichlorobenzene	146		9.505	9.489	(1.043)	265143	5.08744	5.087
11 Benzyl alcohol	108		9.380	9.373	(1.029)	157701	5.48088	5.481
14 2,2'-oxybis(1-Chloropropane)	121		9.683	9.676	(1.062)	87054	7.06310	7.063
13 2-Methylphenol	108		9.613	9.606	(1.054)	197804	4.44171	4.442
17 Hexachloroethane	117		10.095	10.079	(1.107)	115905	5.29620	5.296
16 N-Nitroso-di-n-propylamine	70		9.939	9.924	(1.090)	158444	5.11579	5.116
15 4-Methylphenol	108		9.893	9.877	(1.085)	218560	4.59234	4.592
\$ 18 Nitrobenzene-d5	82		10.203	10.196	(0.879)	266032	4.94671	4.947
19 Nitrobenzene	77		10.242	10.227	(0.883)	278529	5.13849	5.138
20 Isophorone	82		10.684	10.677	(0.921)	581184	7.41183	7.412
21 2-Nitrophenol	139		10.876	10.859	(0.937)	175569	5.12801	5.128
22 2,4-Dimethylphenol	107		10.936	10.919	(0.942)	196968	4.73580	4.736
23 Bis(2-Chloroethoxy)methane	93		11.123	11.106	(0.959)	270186	5.73516	5.735
24 Benzoic acid	105		11.106	11.140	(0.957)	143508	6.62128	6.621
25 2,4-Dichlorophenol	162		11.335	11.326	(0.977)	234378	5.54474	5.545
26 1,2,4-Trichlorobenzene	180		11.519	11.504	(0.993)	221798	4.88841	4.888
* 27 Naphthalene-d8	136		11.604	11.589	(1.000)	505418	4.00000	
28 Naphthalene	128		11.643	11.635	(1.003)	639883	4.94683	4.947
29 4-Chloroaniline	127		11.774	11.758	(1.015)	265378	4.64633	4.646
30 Hexachlorobutadiene	225		12.006	11.990	(1.035)	115567	5.33913	5.339
31 4-Chloro-3-methylphenol	107		12.756	12.741	(1.099)	244559	4.85270	4.853
32 2-Methylnaphthalene	142		13.050	13.035	(1.125)	670266	5.21373	5.214
33 Hexachlorocyclopentadiene	237		13.515	13.499	(0.887)	55412	3.32629	3.326

Compounds	QUANT SIG				CONCENTRATIONS			
	MASS	RT	EXP RT	REL RT	RESPONSE	ON-COLUMN (ug/mL)	FINAL (ug/mL)	
34 2,4,6-Trichlorophenol	196	13.677	13.662	(0.898)	170978	5.24236	5.242	
35 2,4,5-Trichlorophenol	196	13.755	13.739	(0.903)	172769	4.42727	4.427	
§ 36 2-Fluorobiphenyl	172	13.832	13.817	(0.908)	683222	5.26116	5.261	
37 2-Chloronaphthalene	162	14.049	14.033	(0.922)	625328	5.46235	5.462	
38 2-Nitroaniline	65	14.304	14.289	(0.939)	163591	5.34222	5.342	
39 Dimethylphthalate	163	14.738	14.714	(0.967)	500509	4.97347	4.973	
40 Acenaphthylene	152	14.923	14.908	(0.980)	750906	4.47637	4.476	
41 2,6-Dinitrotoluene	165	14.877	14.862	(0.977)	122846	5.25597	5.256	
* 42 Acenaphthene-d10	164	15.233	15.217	(1.000)	286969	4.00000		
43 3-Nitroaniline	138	15.163	15.148	(0.995)	147993	5.37872	5.379	
44 Acenaphthene	153	15.302	15.287	(1.005)	412233	4.93939	4.939	
45 2,4-Dinitrophenol	184	15.380	15.364	(1.010)	21043	2.02332	2.023	
46 Dibenzofuran	168	15.635	15.619	(1.026)	708335	5.34049	5.340	
47 4-Nitrophenol	109	15.511	15.488	(1.018)	40185	4.43466	4.435	
48 2,4-Dinitrotoluene	165	15.689	15.673	(1.030)	165818	5.30810	5.308	
50 Diethylphthalate	149	16.199	16.184	(1.063)	463792	5.37240	5.372	
49 Fluorene	166	16.354	16.331	(1.074)	728048	4.59382	4.594	
51 4-Chlorophenyl-phenylether	204	16.338	16.323	(1.073)	376282	5.40653	5.407	
52 4-Nitroaniline	138	16.439	16.423	(1.079)	140376	5.09381	5.094	
53 4,6-Dinitro-2-methylphenol	198	16.539	16.523	(0.904)	85433	4.31421	4.314	
54 N-Nitrosodiphenylamine	169	16.593	16.570	(0.907)	395951	4.98277	4.983	
§ 55 2,4,6-Tribromophenol	330	16.894	16.870	(1.109)	90754	6.94559	6.946	
56 4-Bromophenyl-phenylether	248	17.348	17.333	(0.948)	200887	5.45634	5.456	
57 Hexachlorobenzene	284	17.673	17.650	(0.966)	171847	5.11363	5.114	
58 Pentachlorophenol	266	18.037	18.014	(0.986)	24841	3.23849	3.238	
* 59 Phenanthrene-d10	188	18.300	18.277	(1.000)	505363	4.00000		
60 Phenanthrene	178	18.347	18.323	(1.003)	649666	4.89322	4.893	
61 Anthracene	178	18.439	18.416	(1.008)	683072	4.82784	4.828	
62 Carbazole	167	18.772	18.749	(1.026)	726709	5.56744	5.567	
63 Di-n-butylphthalate	149	19.584	19.554	(1.070)	1082696	5.32836	5.328	
64 Fluoranthene	202	20.753	20.722	(0.887)	1048305	4.19233	4.192	
65 Pyrene	202	21.178	21.147	(0.905)	1006992	4.57159	4.572	
§ 66 Terphenyl-d14	244	21.465	21.441	(0.918)	561068	4.66854	4.669	
67 Butylbenzylphthalate	149	22.401	22.371	(0.958)	338140	4.86029	4.860	
68 Benzo(a)anthracene	228	23.362	23.331	(0.999)	707995	4.85155	4.852	
* 69 Chrysene-d12	240	23.393	23.354	(1.000)	344386	4.00000		
70 3,3'-Dichlorobenzidine	252	23.315	23.284	(0.997)	559597	11.7678	11.77	
71 Chrysene	228	23.439	23.400	(1.002)	479984	4.72467	4.725	
72 bis(2-Ethylhexyl)phthalate	149	23.447	23.416	(0.959)	366071	5.06090	5.061	
* 134 Di-n-octylphthalate-d4	153	24.453	24.422	(1.000)	654412	4.00000		
73 Di-n-octylphthalate	149	24.469	24.430	(1.001)	818367	5.50195	5.502	
74 Benzo(b)fluoranthene	252	25.297	25.258	(0.969)	600074	4.95534	4.955	
75 Benzo(k)fluoranthene	252	25.344	25.305	(0.971)	612767	5.26231	5.262	
76 Benzo(a)pyrene	252	25.979	25.932	(0.996)	485665	4.90022	4.900	
* 77 Perylene-d12	264	26.095	26.048	(1.000)	267390	4.00000		
78 Indeno(1,2,3-cd)pyrene	276	28.884	28.814	(1.107)	503980	4.76253	4.763	
79 Dibenzo(a,h)anthracene	278	28.900	28.830	(1.107)	378728	4.67505	4.675	
80 Benzo(g,h,i)perylene	276	29.707	29.630	(1.138)	415473	4.91157	4.912	
90 N-Nitrosodimethylamine	74	4.720	4.720	(0.518)	244386	6.68622	6.686	
91 Aniline	93	Compound Not Detected.						
93 Benzidine	184	20.985	20.954	(0.897)	177079	3.48536	3.485	
103 Pyridine	79	4.743	4.736	(0.520)	326265	3.14892	3.149	
105 1-methylnaphthalene	142	13.275	13.252	(1.144)	651979	5.16205	5.162	
111 Azobenzene (1,2-DP-Hydrazine)	77	16.670	16.647	(1.094)	559493	4.88168	4.882	

Compounds	QUANT SIG	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS	
						ON-COLUMN (ug/mL)	FINAL (ug/mL)
187 Total Benzofluoranthenes	252	25.297	25.305	(0.969)	1110070	9.83152	9.832
120 2,3,4,6-Tetrachlorophenol	232	15.975	15.959	(1.049)	100330	3.99993	4.000

ARI Labs, Inc.

INTERNAL STANDARD COMPOUNDS
 AREA AND RT SUMMARY

Instrument ID: nt10.i Calibration Date: 23-JUN-2022
 Lab File ID: NT1022062311.D Calibration Time: 16:38
 Lab Smp Id: SKF0270-SCV1
 Analysis Type: SV Level:
 Quant Type: ISTD Sample Type:
 Operator: VTS
 Method File: \\target\share\chem3\nt10.i\20220623.b\ABN.m
 Misc Info:

Test Mode:
 Use Last Continuing Calibrator.

COMPOUND	STANDARD	AREA LIMIT		SAMPLE	%DIFF
		LOWER	UPPER		
8 1,4-Dichlorobenze	149714	74857	299428	152987	2.19
27 Naphthalene-d8	491315	245658	982630	505418	2.87
42 Acenaphthene-d10	286589	143295	573178	286969	0.13
59 Phenanthrene-d10	498820	249410	997640	505363	1.31
69 Chrysene-d12	311295	155648	622590	344386	10.63
134 Di-n-octylphthala	577982	288991	1155964	654412	13.22
77 Perylene-d12	218550	109275	437100	267390	22.35

COMPOUND	STANDARD	RT LIMIT		SAMPLE	%DIFF
		LOWER	UPPER		
8 1,4-Dichlorobenze	9.10	8.60	9.60	9.12	0.17
27 Naphthalene-d8	11.59	11.09	12.09	11.60	0.13
42 Acenaphthene-d10	15.22	14.72	15.72	15.23	0.10
59 Phenanthrene-d10	18.28	17.78	18.78	18.30	0.13
69 Chrysene-d12	23.35	22.85	23.85	23.39	0.17
134 Di-n-octylphthala	24.42	23.92	24.92	24.45	0.13
77 Perylene-d12	26.05	25.55	26.55	26.10	0.18

AREA UPPER LIMIT = +100% of internal standard area.
 AREA LOWER LIMIT = - 50% of internal standard area.
 RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
 RT LOWER LIMIT = - 0.50 minutes of internal standard RT.

REVIEW SUMMARY FOR FILE - NT1022062311.D

Lab ID: SKF0270-SCV1
nt10.i, ABN.m, 23-JUN-2022 15:20

RT CO-ELUTION COMPOUNDS

NO CO-ELUTIONS

Quant Method: ICAL

RRT CHECK

RRT	CCV	RRT	DELTA	COMPOUND
-----	-----	-----	-------	----------

NONE

RRT check based on Ccal File: NT1022062313.D

On Column LOD for nt10.i, ABN.m, ICAL.sub = 0.0000

* Only compounds listed in the work order have been verified by the analyst *



CONTINUING CALIBRATION CHECK
EPA 8270E

Laboratory: Analytical Resources, LLC

SDG: 22F0267

Client: GeoEngineers

Project: RG Haley Site-Bellingham

Instrument ID: NT6

Calibration: FE00035

Lab File ID: NT622062417.D

Calibration Date: 05/16/2022

Sequence: SKF0291

Injection Date: 06/24/22

Lab Sample ID: SKF0291-CCV1

Injection Time: 19:27

Sequence Name: Calibration Check

COMPOUND	TYPE	CONC. (ug/mL)		RESPONSE FACTOR (RRF)			% DRIFT/DIFF	
		STD	CCV	ICAL	CCV	MIN	CCV	LIMIT
Naphthalene	A	25.000	24.9	0.8406287	0.8359732		-0.6	+/-50
2-Methylnaphthalene	A	25.000	25.5	0.4800184	0.4894187		2.0	+/-50
Acenaphthene	A	25.000	24.0	0.9311408	0.8952249		-3.9	+/-50
Pentachlorophenol	A	25.000	24.1	0.1365836	0.1315929		-3.7	+/-50
Phenanthrene	A	25.000	23.9	0.8243973	0.7872445		-4.5	+/-50
Fluoranthene	A	25.000	26.2	0.9317361	0.9775728		4.9	+/-50
Benzo(a)anthracene	A	25.000	23.8	1.1089200	1.0565900		-4.7	+/-50
Chrysene	A	25.000	23.2	1.0187150	0.9469293		-7.0	+/-50
Benzo(b)fluoranthene	A	25.000	25.7	0.9873224	1.0154940		2.9	+/-50
Benzo(k)fluoranthene	A	25.000	25.5	0.9892890	1.0093000		2.0	+/-50
Benzo(a)pyrene	A	25.000	24.7	0.9265235	0.9137099		-1.4	+/-50
Indeno(1,2,3-cd)pyrene	A	25.000	21.6	1.3542800	1.1698480		-13.6	+/-50
Dibenzo(a,h)anthracene	A	25.000	21.9	1.1328750	0.9940321		-12.3	+/-50
1-Methylnaphthalene	A	25.000	26.0	0.4530575	0.4720143		4.2	+/-50
2-Fluorophenol	A	37.500	42.5	1.0810010	1.2240870		13.2	+/-50
Phenol-d5	A	37.500	42.8	1.2365880	1.4108850		14.1	+/-50
2-Chlorophenol-d4	A	37.500	43.6	1.1176800	1.2980720		16.1	+/-50
1,2-Dichlorobenzene-d4	A	25.000	27.1	0.7998831	0.8681921		8.5	+/-50
Nitrobenzene-d5	A	25.000	29.3	0.3071168	0.3593438		17.0	+/-50
2-Fluorobiphenyl	A	25.000	27.1	1.2166750	1.3165300		8.2	+/-50
2,4,6-Tribromophenol	A	37.500	45.3	0.1701749	0.2055254		20.8	+/-50
p-Terphenyl-d14	A	25.000	24.0	0.9507950	0.9145529		-3.8	+/-50

* Values outside of QC limits

* Values outside of QC limits

Data File: \\target\share\chem3\nt6.1\20220624.1\NT622062417.D

Date: 24-JUN-2022 19:27

Client ID:

Sample Info: CCV220624A

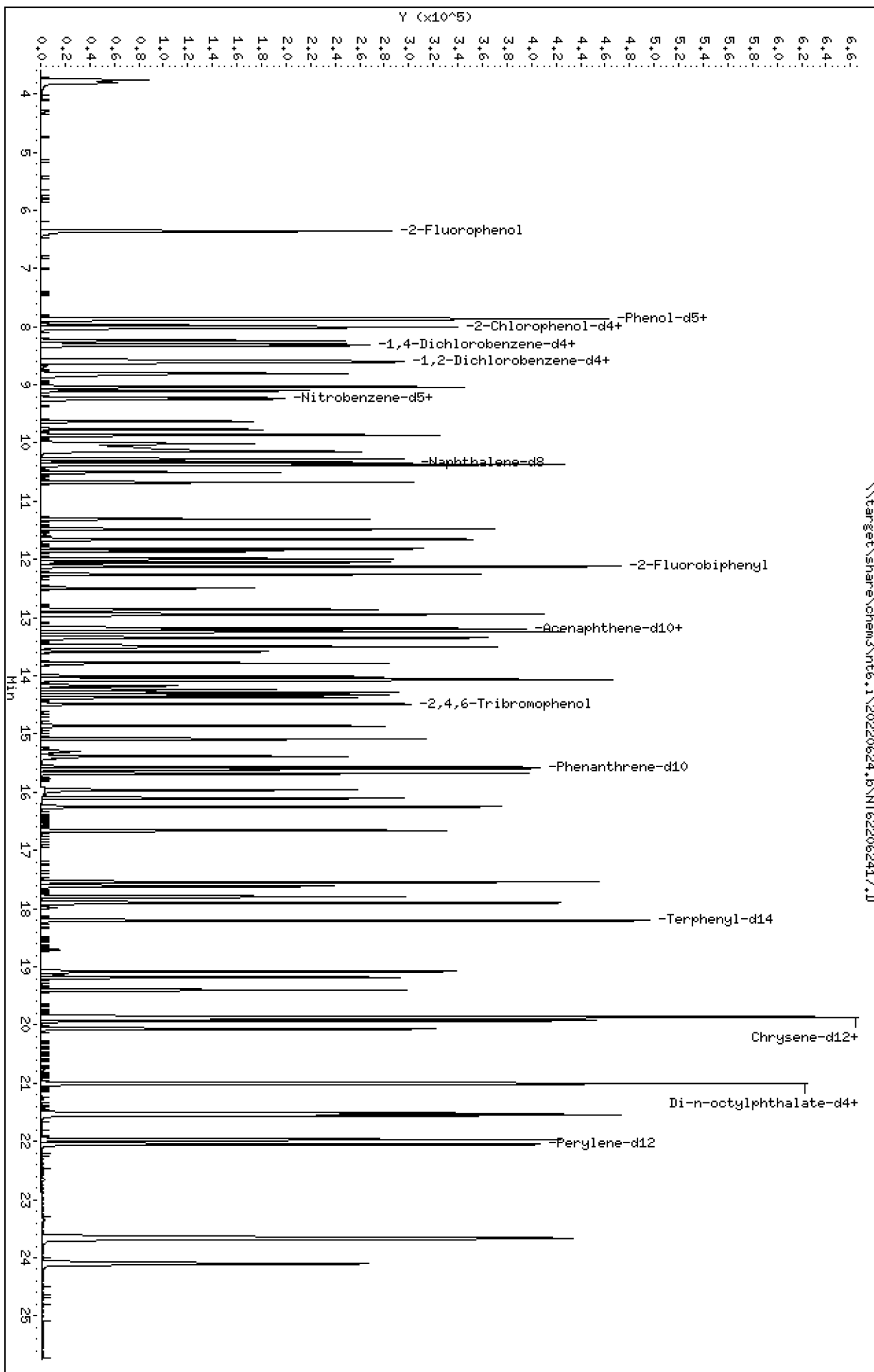
Column phase: ZB-5msi

Instrument: nt6.1

Operator: JZ

Column diameter: 0.32

\\target\share\chem3\nt6.1\20220624.1\NT622062417.D



Date : 24-JUN-2022 19:27

Client ID:

Instrument: nt6.i

Sample Info: CCV220624A

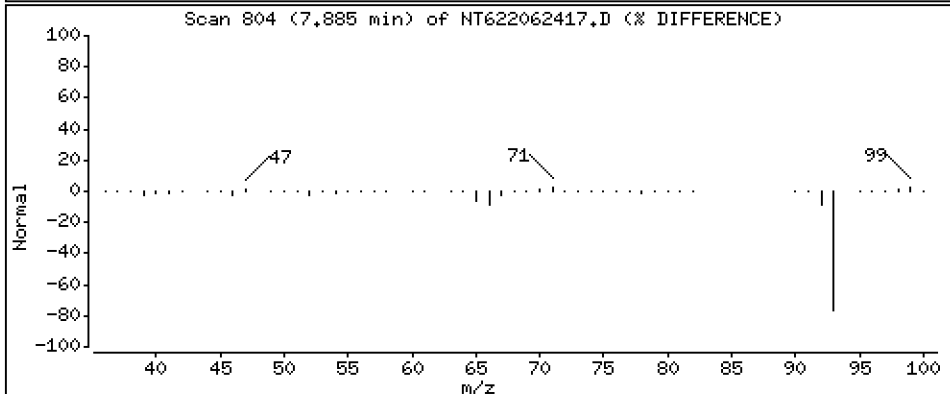
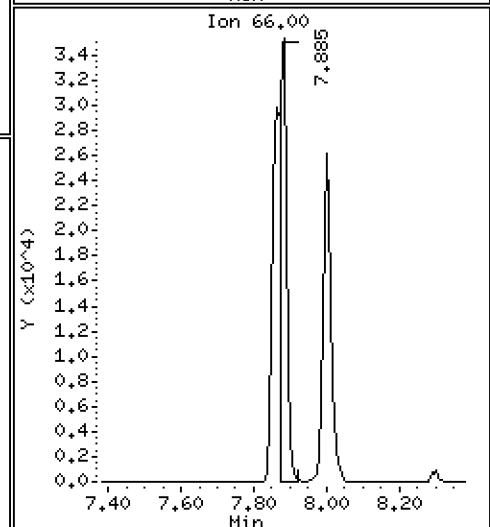
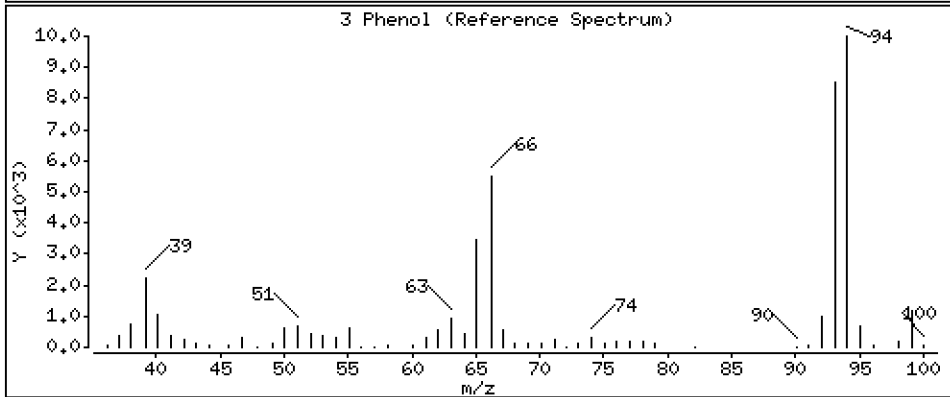
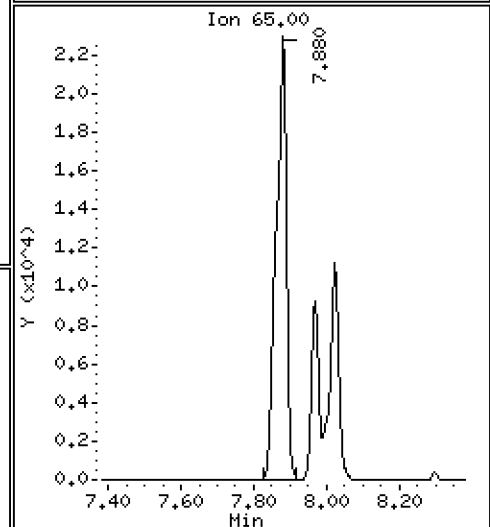
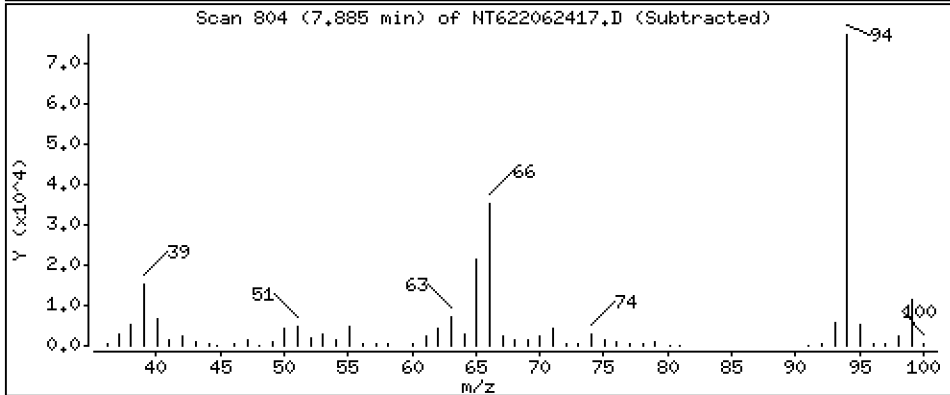
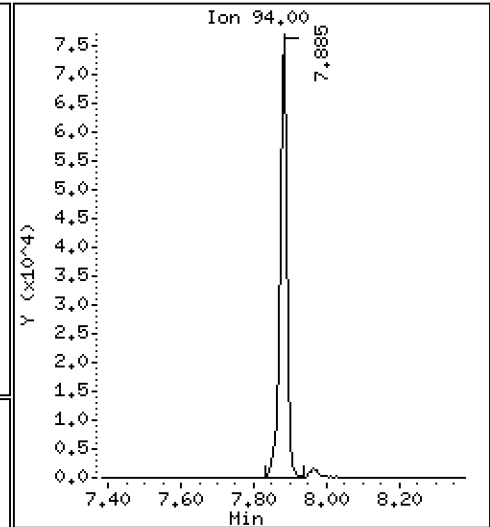
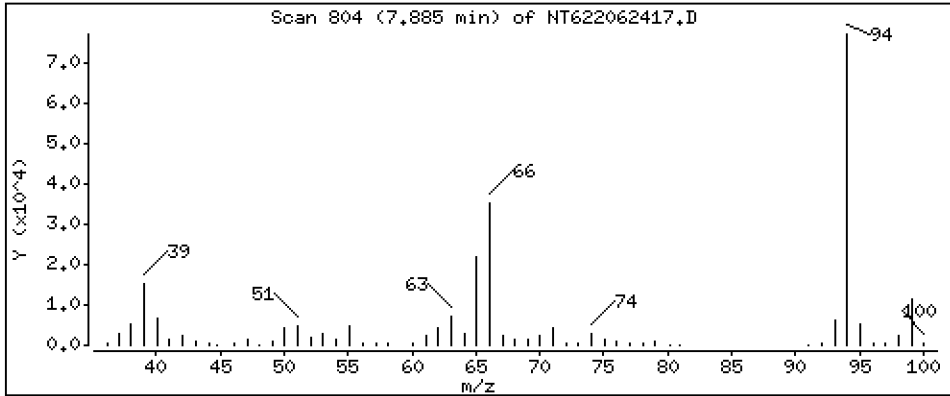
Operator: JZ

Column phase: ZB-5msi

Column diameter: 0.32

3 Phenol

Concentration: 24.29 ug/mL



Date : 24-JUN-2022 19:27

Client ID:

Instrument: nt6.i

Sample Info: CCV220624A

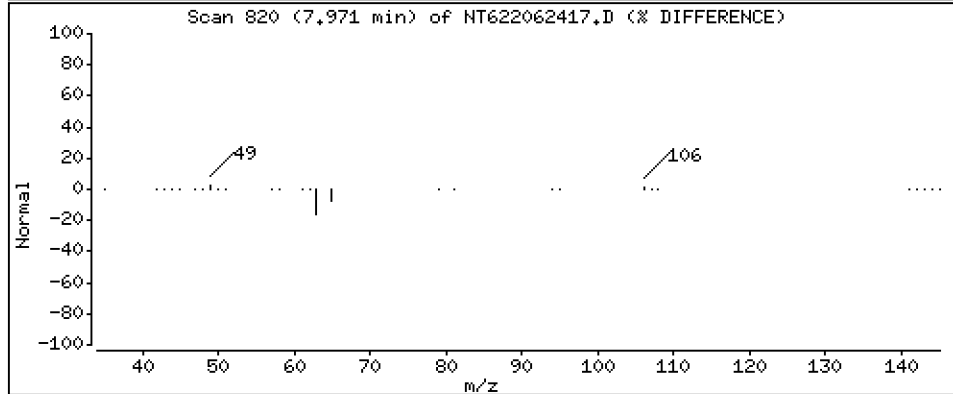
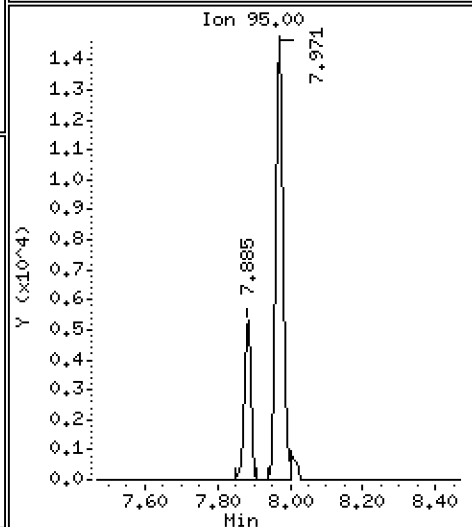
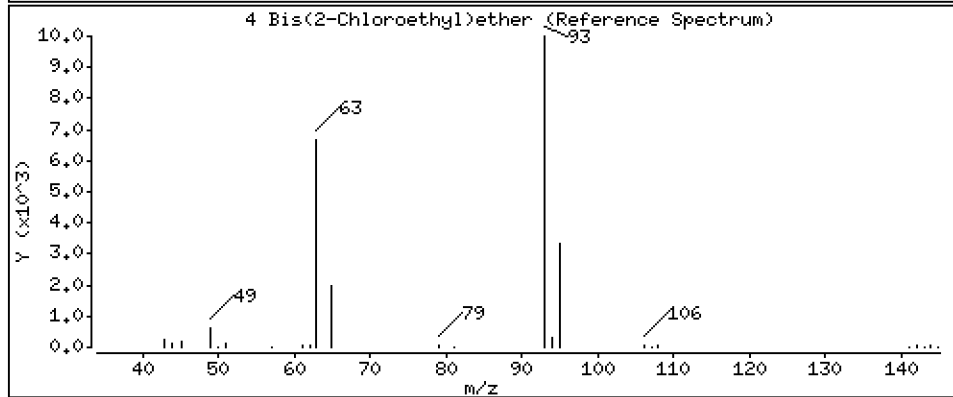
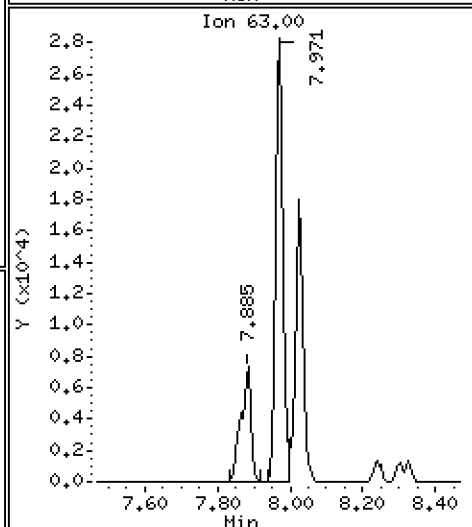
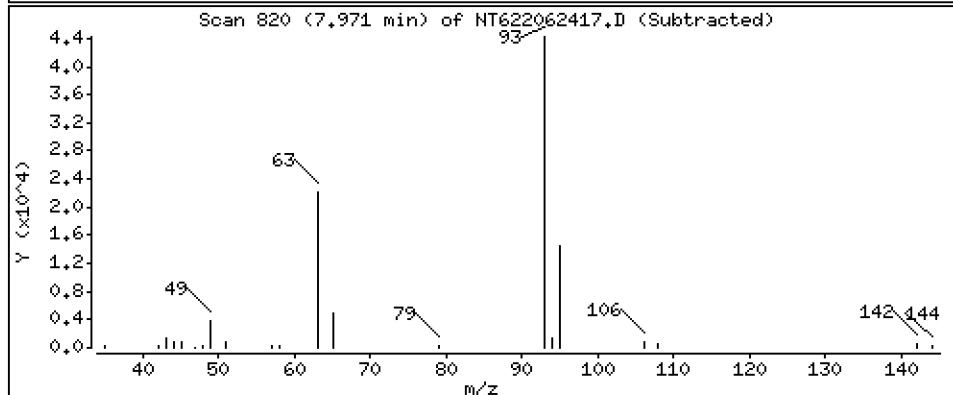
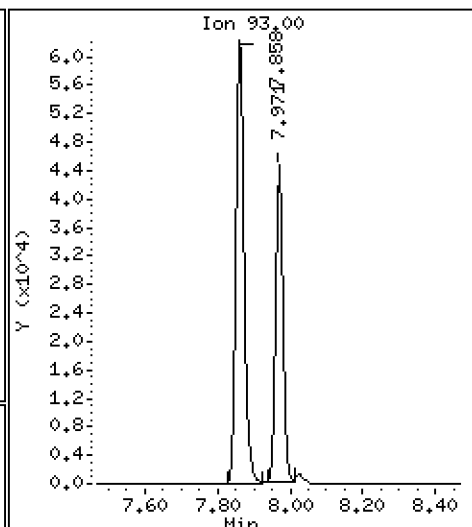
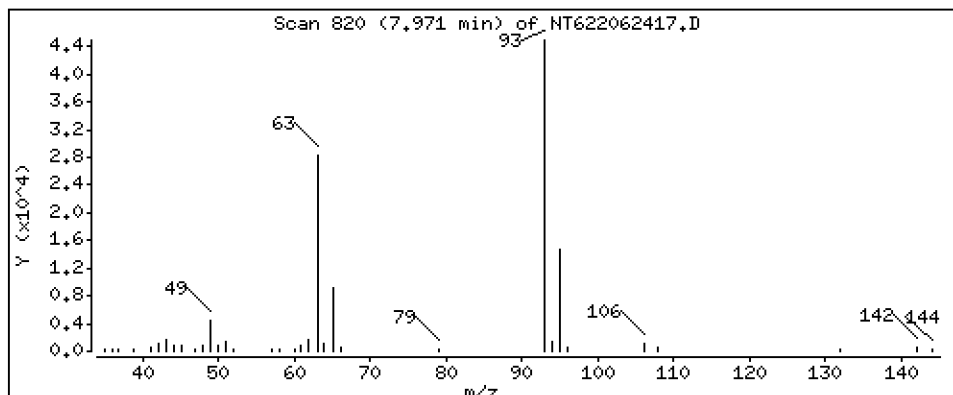
Operator: JZ

Column phase: ZB-5msi

Column diameter: 0.32

4 Bis(2-Chloroethyl)ether

Concentration: 24.94 ug/mL



Date : 24-JUN-2022 19:27

Client ID:

Instrument: nt6.i

Sample Info: CCV220624A

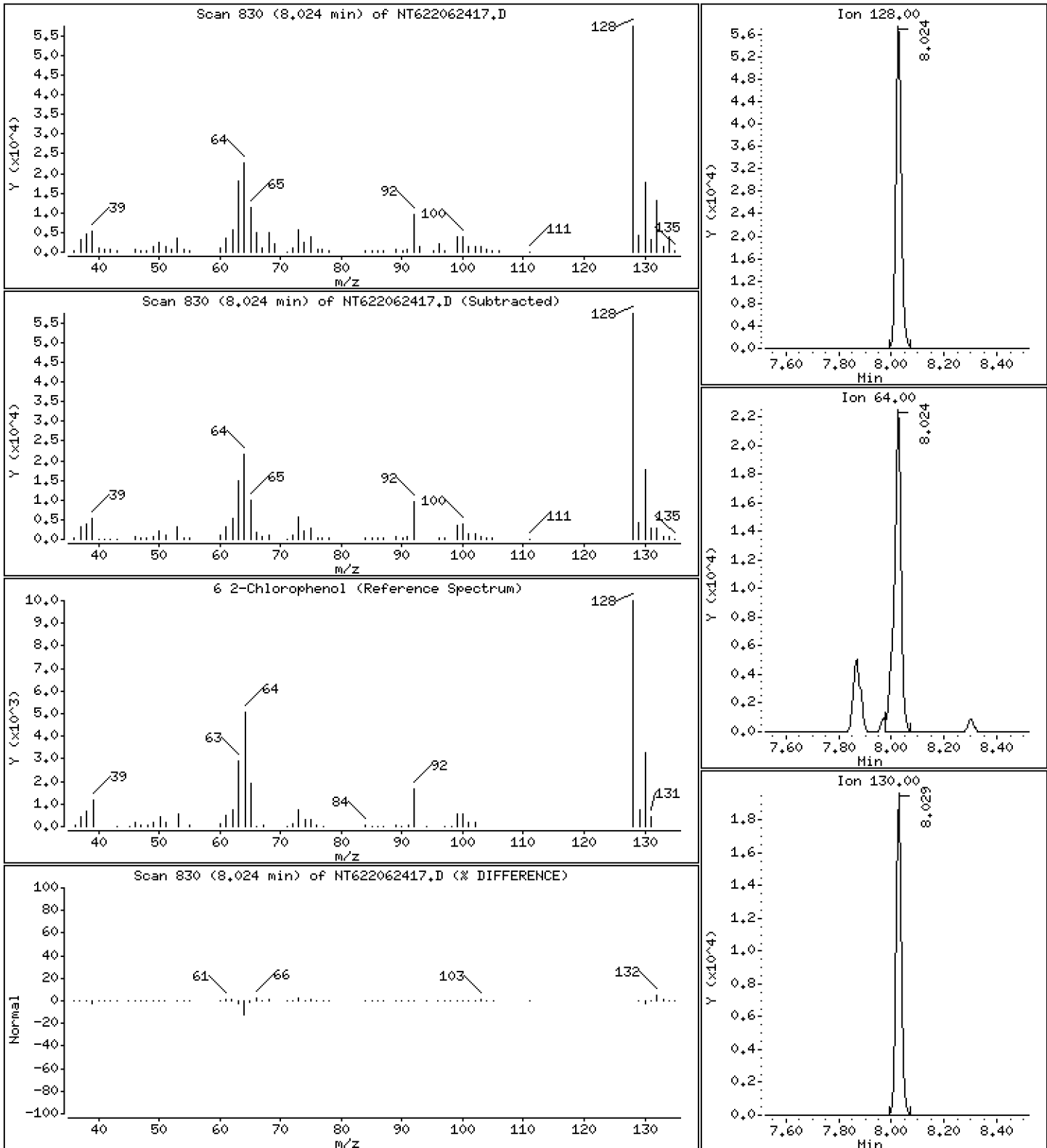
Operator: JZ

Column phase: ZB-5msi

Column diameter: 0.32

6 2-Chlorophenol

Concentration: 24.37 ug/mL



Date : 24-JUN-2022 19:27

Client ID:

Instrument: nt6.i

Sample Info: CCV220624A

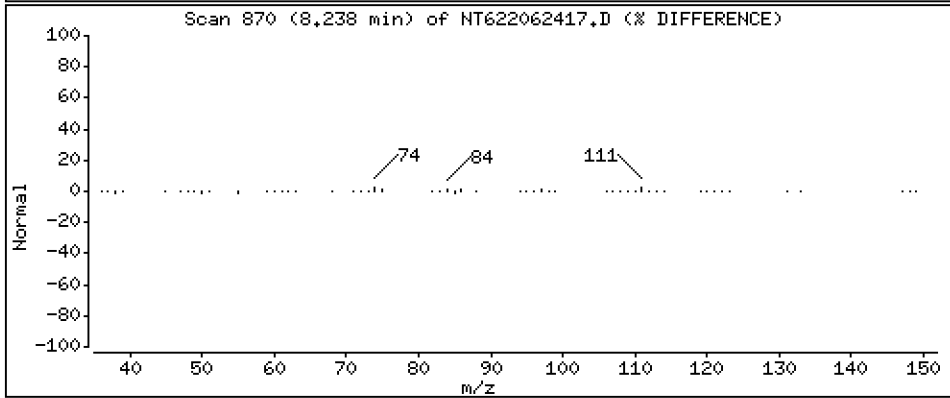
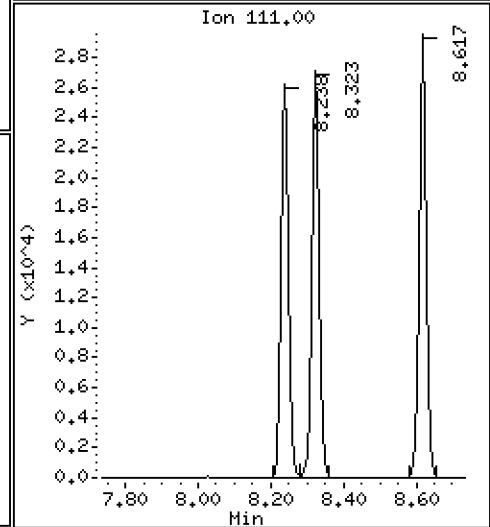
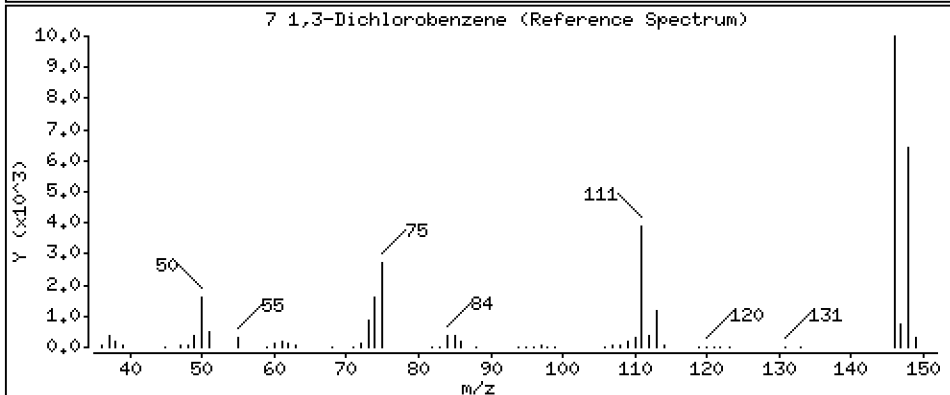
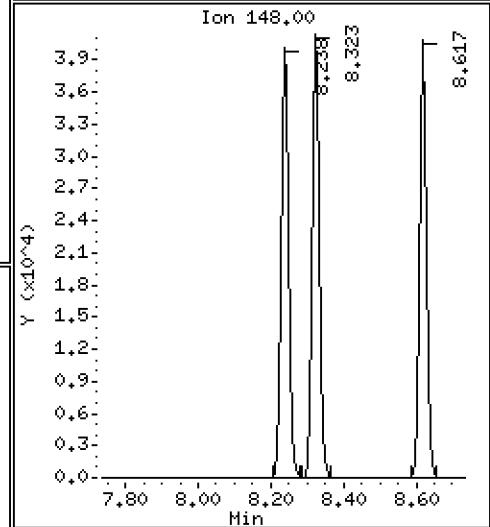
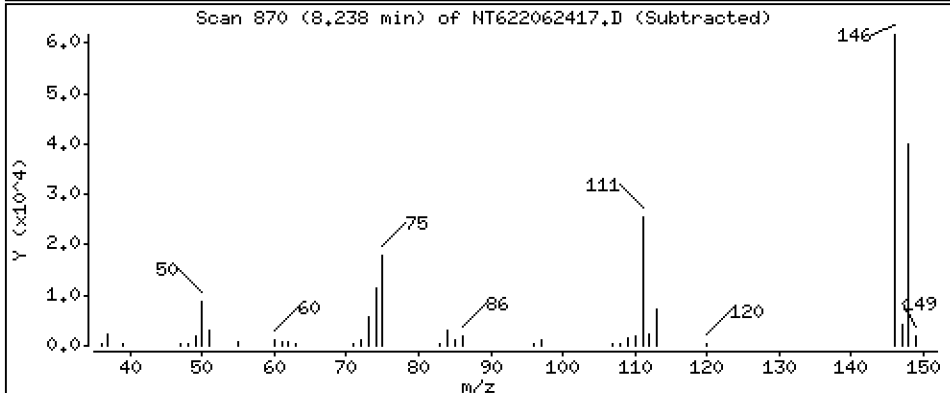
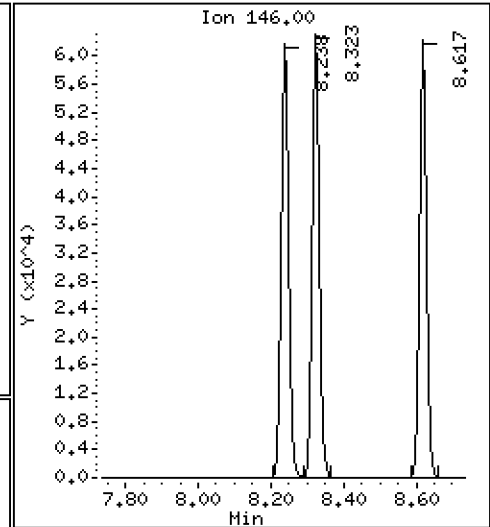
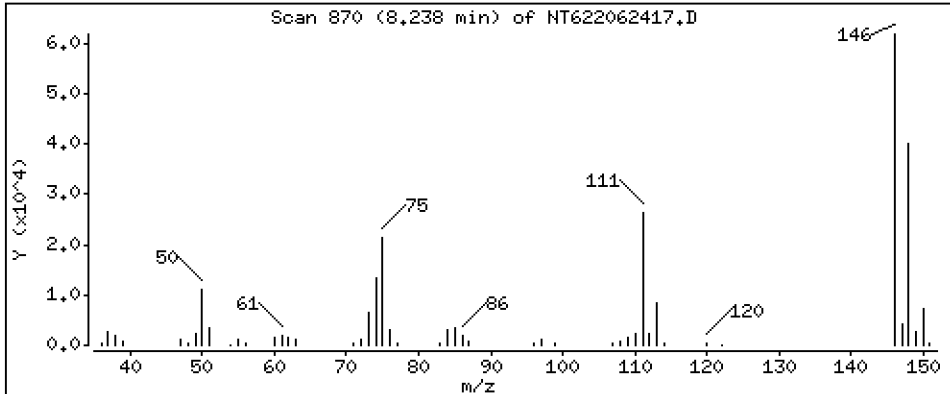
Operator: JZ

Column phase: ZB-5msi

Column diameter: 0.32

7 1,3-Dichlorobenzene

Concentration: 24.72 ug/mL



Date : 24-JUN-2022 19:27

Client ID:

Instrument: nt6.i

Sample Info: CCV220624A

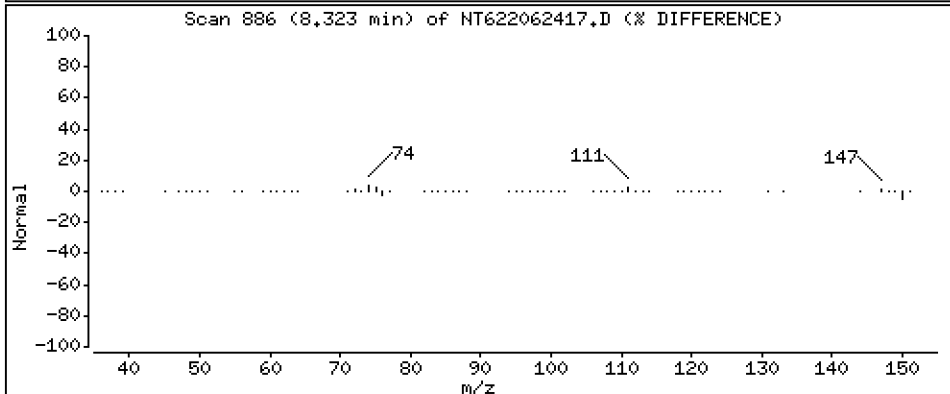
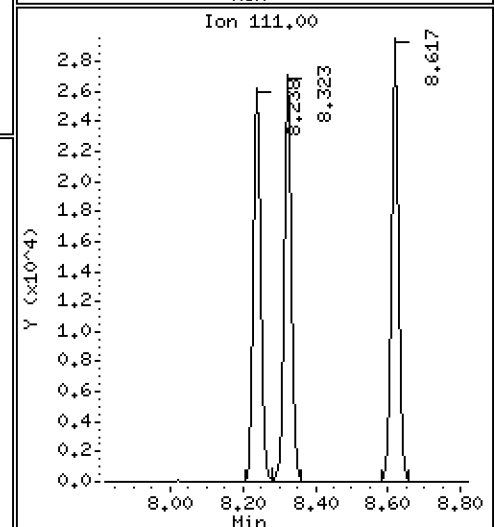
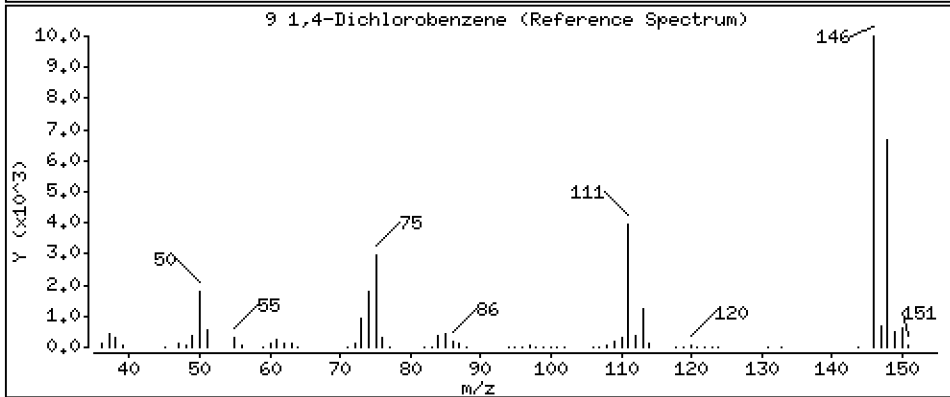
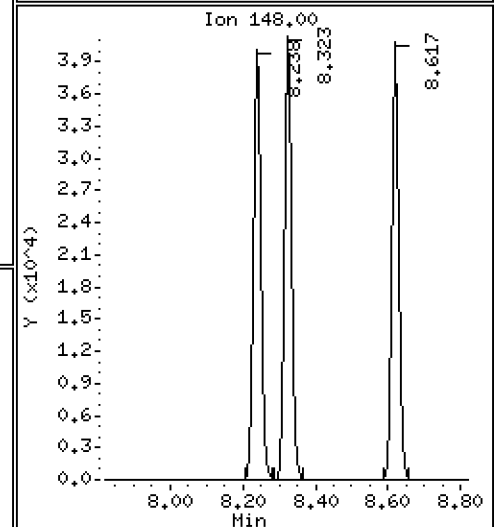
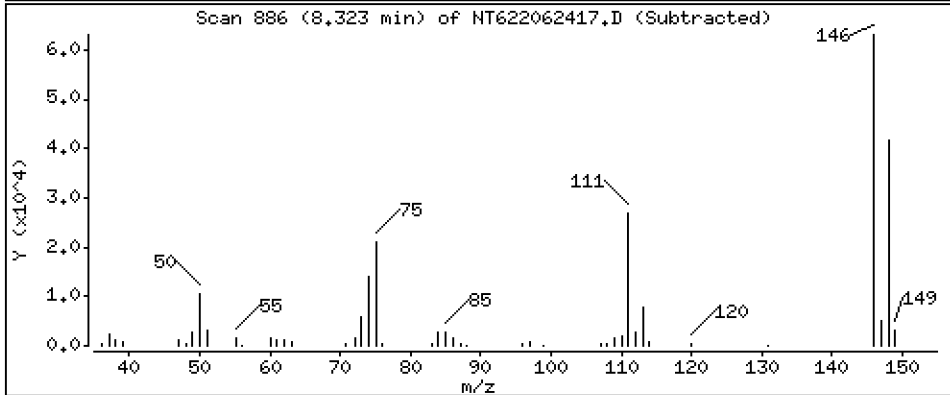
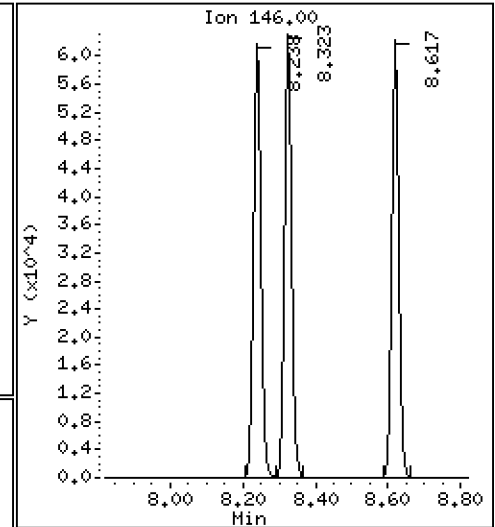
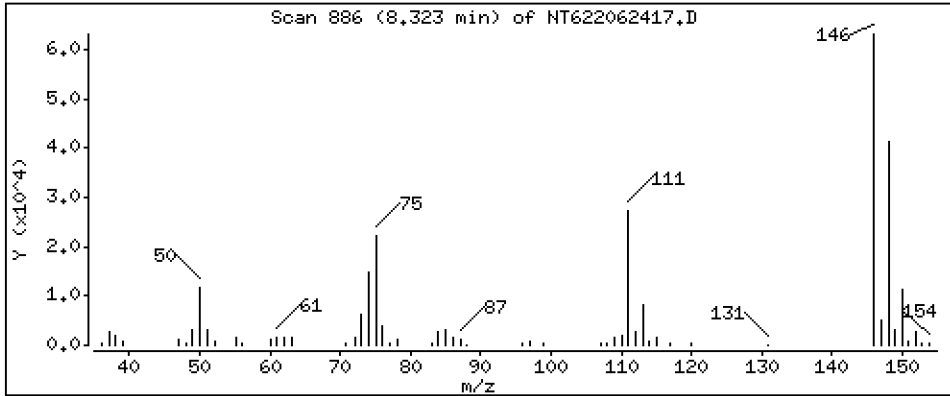
Operator: JZ

Column phase: ZB-5msi

Column diameter: 0.32

9 1,4-Dichlorobenzene

Concentration: 24.72 ug/mL



Date : 24-JUN-2022 19:27

Client ID:

Instrument: nt6.i

Sample Info: CCV220624A

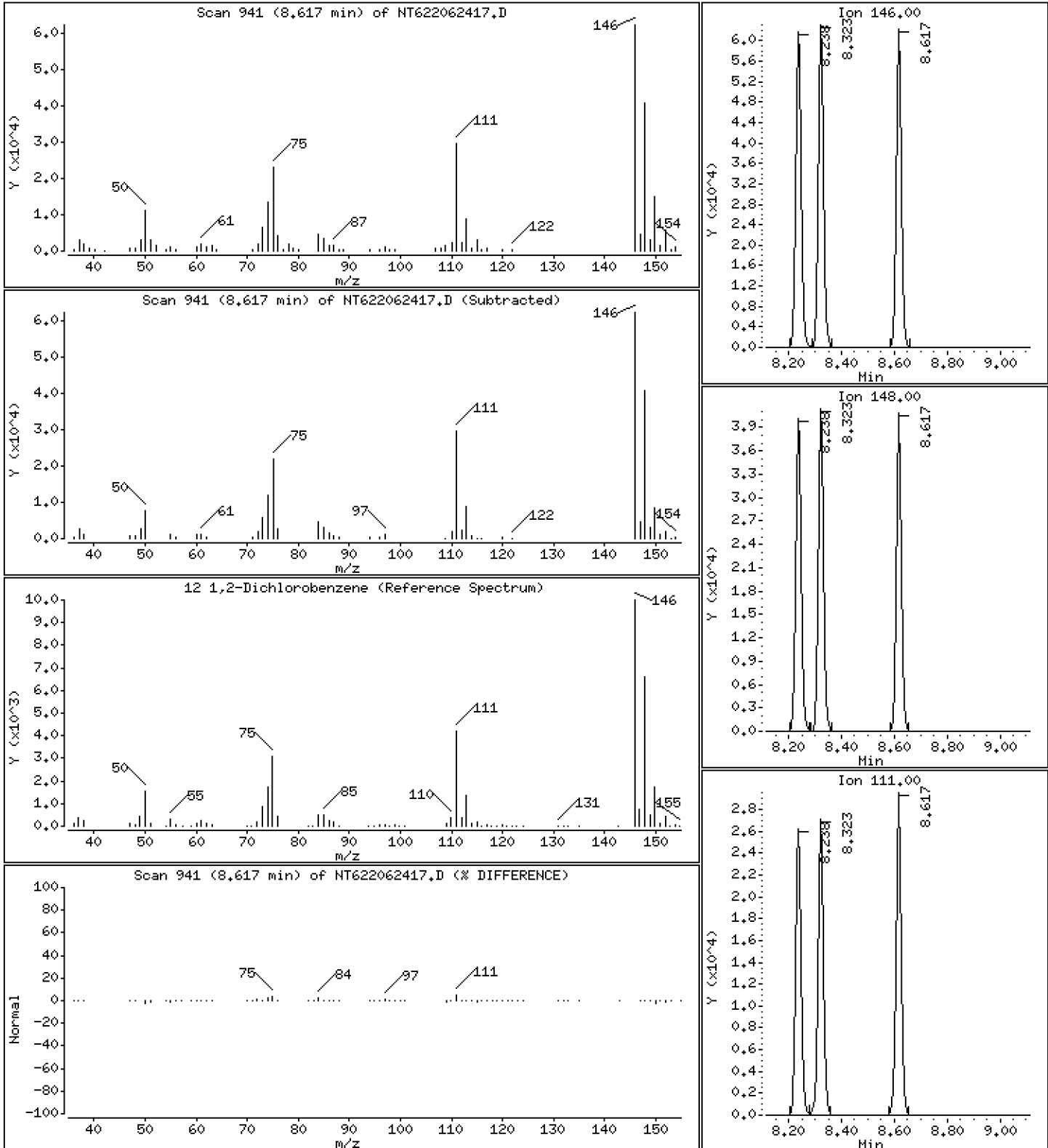
Operator: JZ

Column phase: ZB-5msi

Column diameter: 0.32

12 1,2-Dichlorobenzene

Concentration: 25,11 ug/mL



Date : 24-JUN-2022 19:27

Client ID:

Instrument: nt6.i

Sample Info: CCV220624A

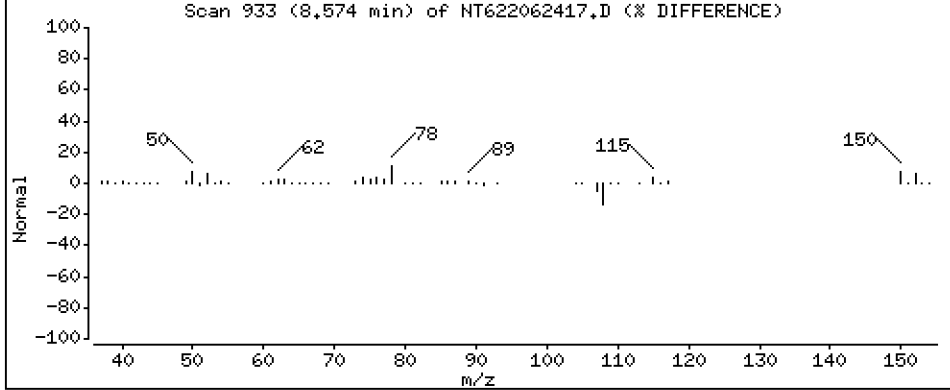
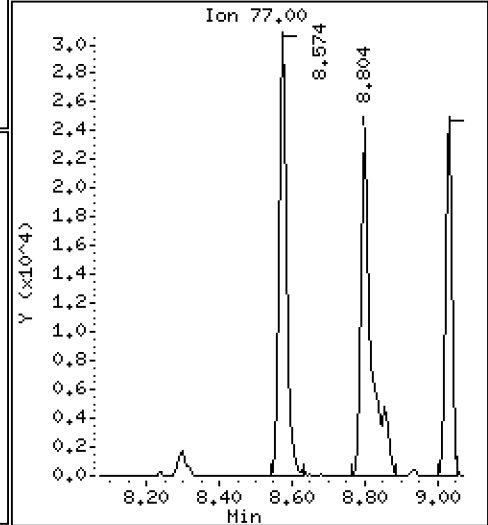
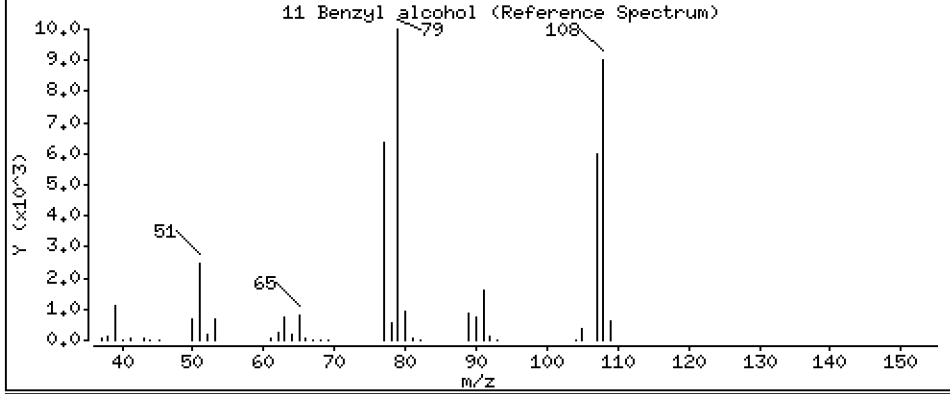
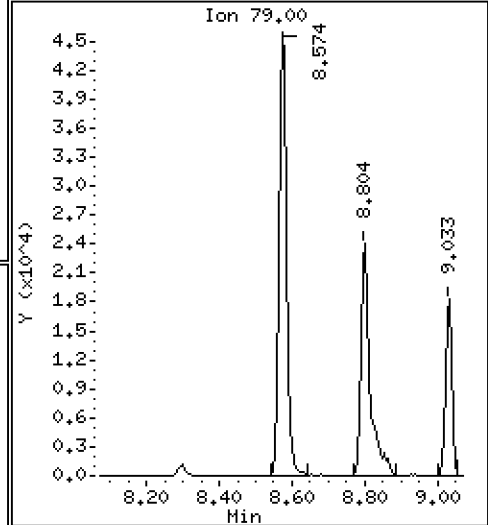
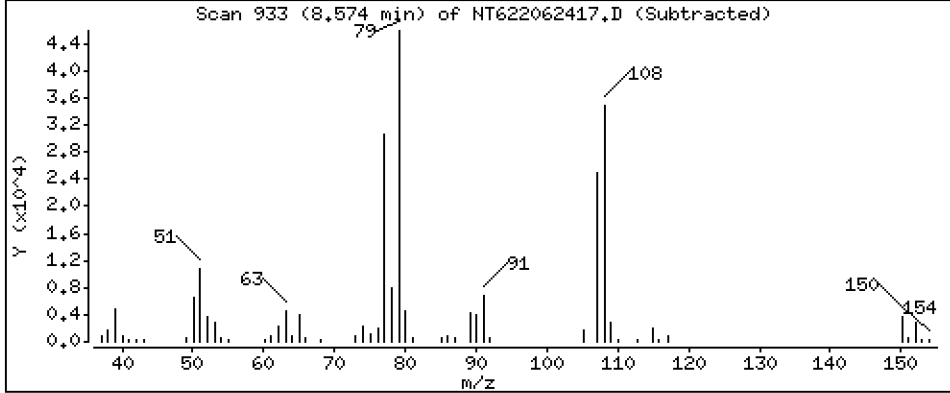
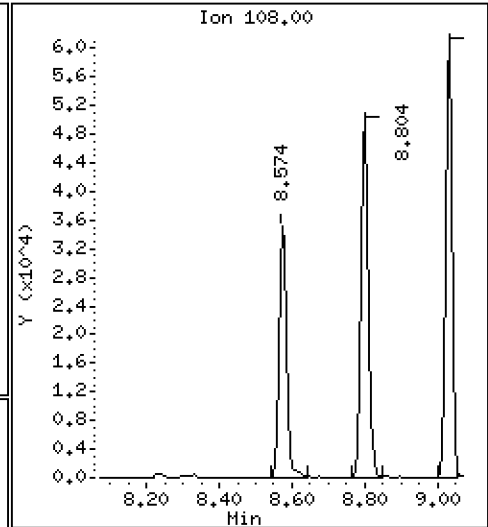
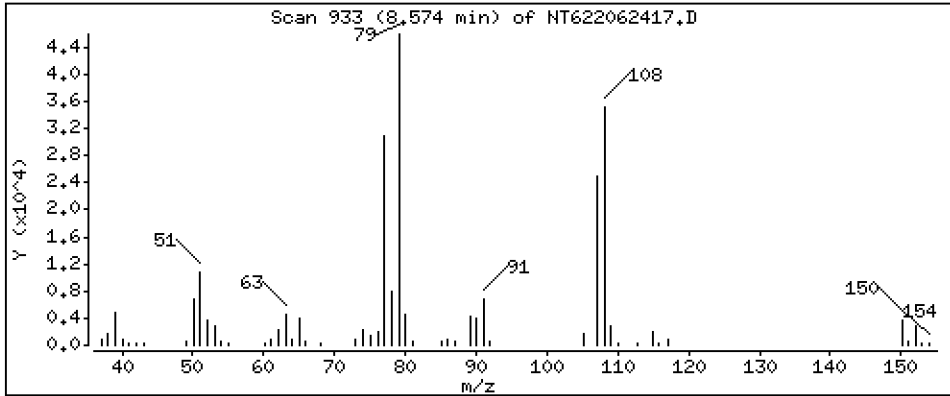
Operator: JZ

Column phase: ZB-5msi

Column diameter: 0.32

11 Benzyl alcohol

Concentration: 26.07 ug/mL



Date : 24-JUN-2022 19:27

Client ID:

Instrument: nt6.i

Sample Info: CCV220624A

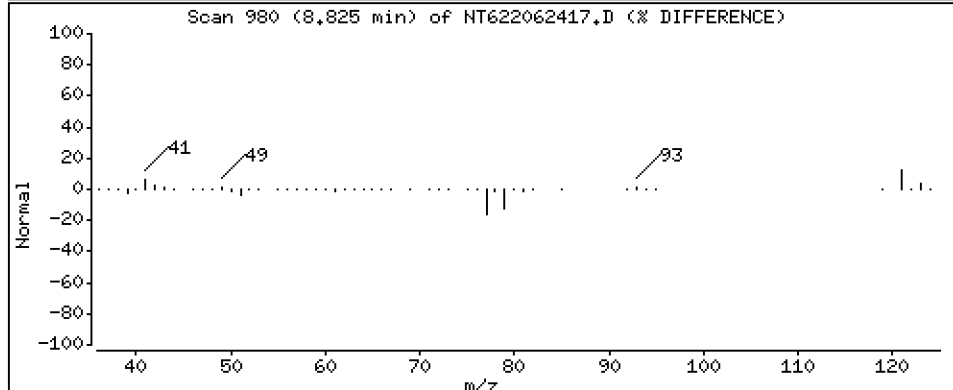
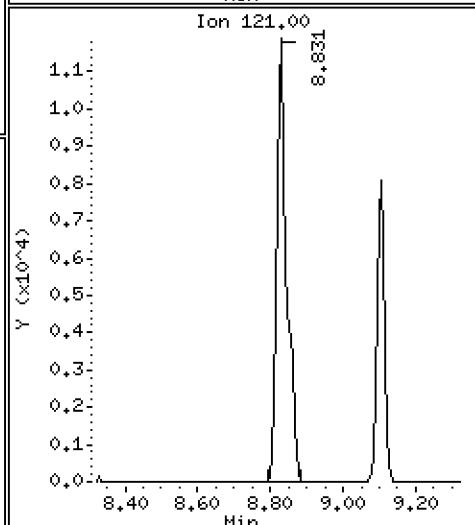
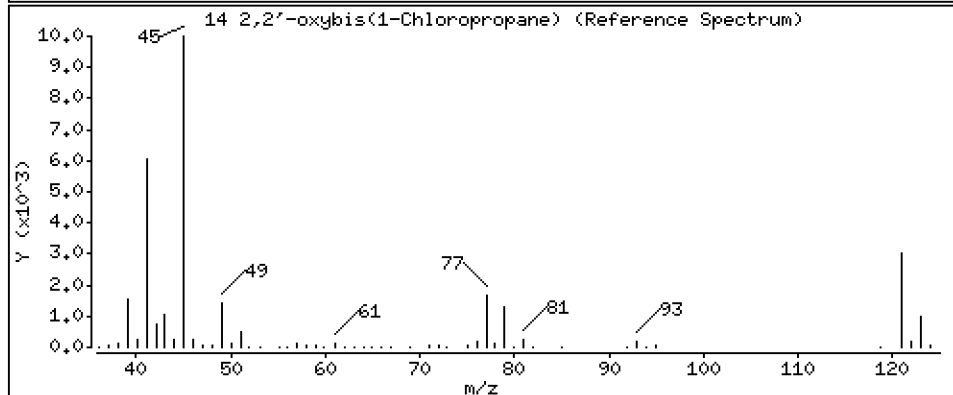
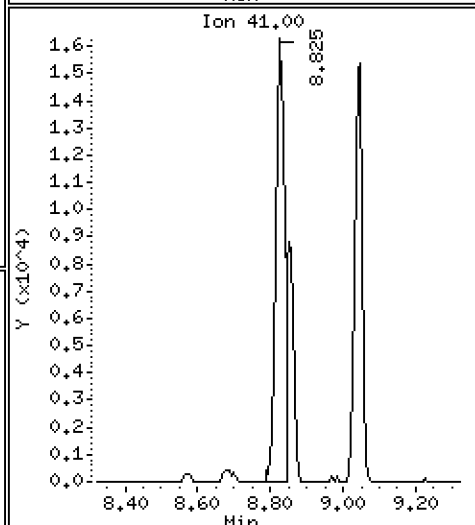
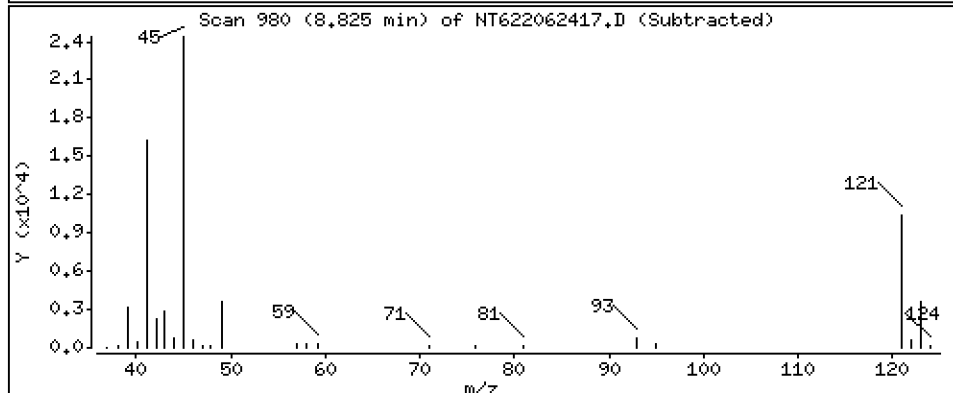
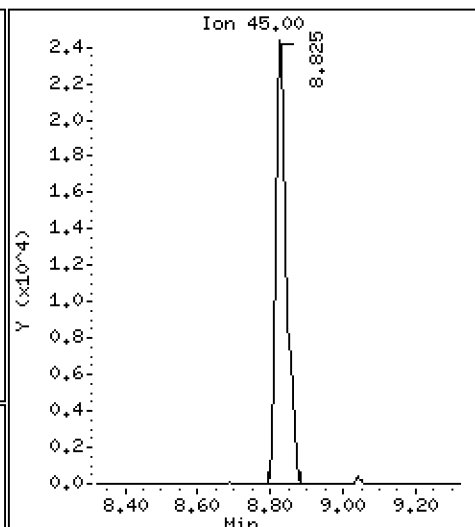
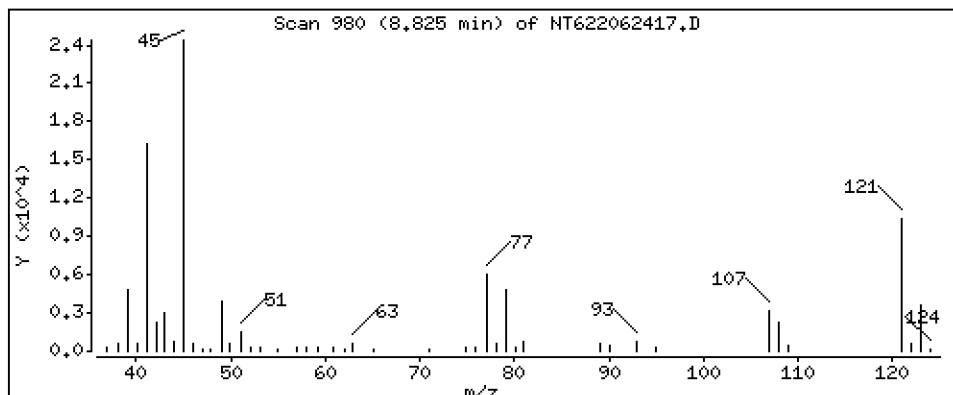
Operator: JZ

Column phase: ZB-5msi

Column diameter: 0.32

14 2,2'-oxybis(1-Chloropropane)

Concentration: 25.85 ug/mL



Date : 24-JUN-2022 19:27

Client ID:

Instrument: nt6.i

Sample Info: CCV220624A

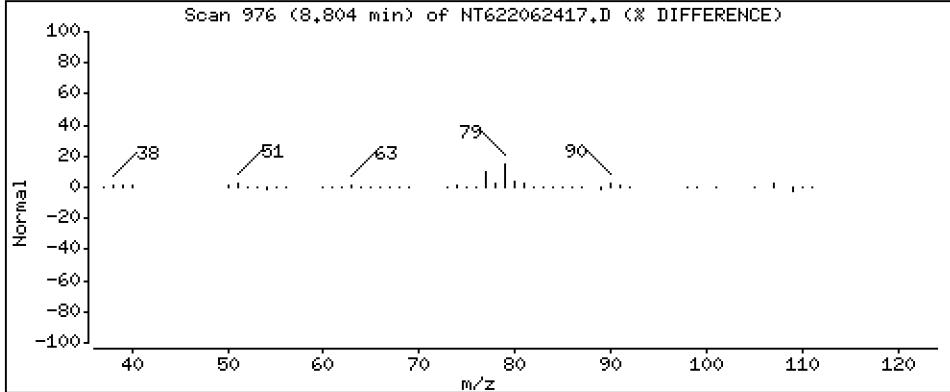
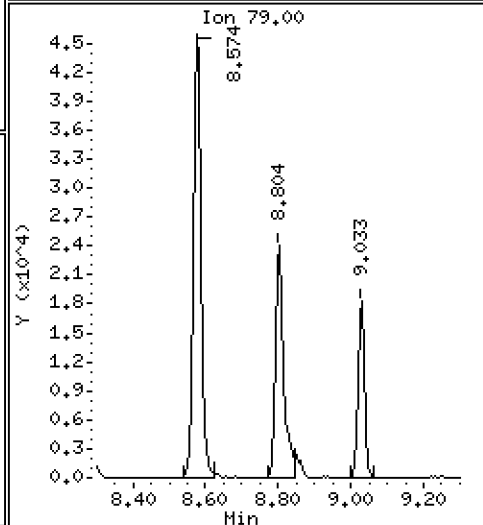
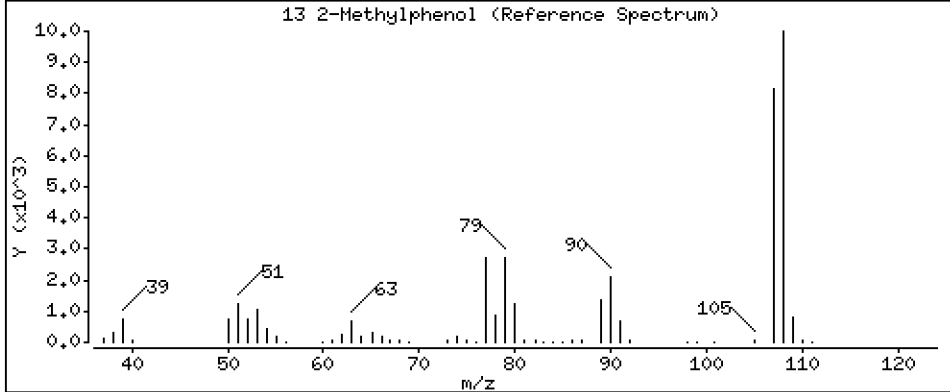
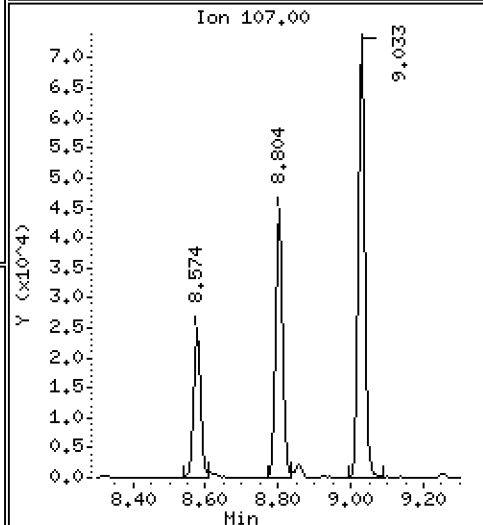
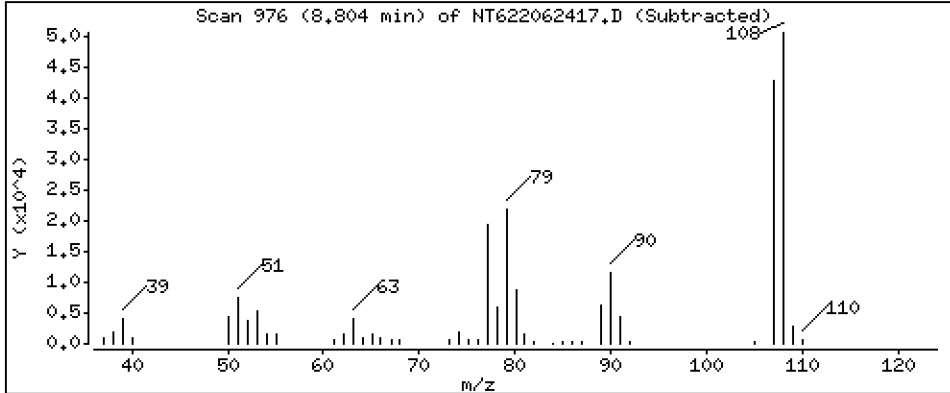
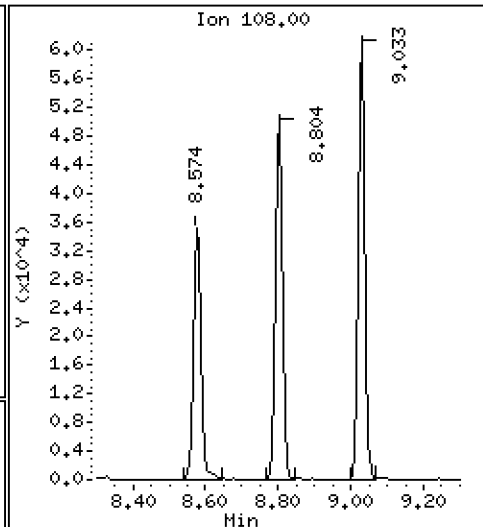
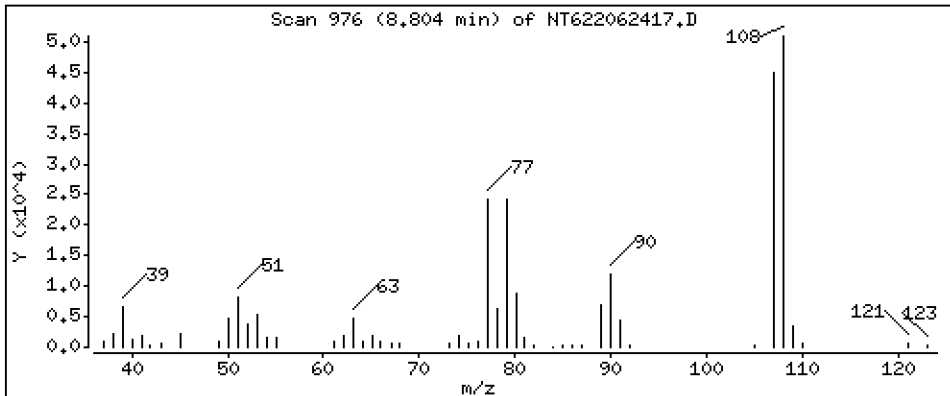
Operator: JZ

Column phase: ZB-5msi

Column diameter: 0.32

13 2-Methylphenol

Concentration: 24.17 ug/mL



Date : 24-JUN-2022 19:27

Client ID:

Instrument: nt6.i

Sample Info: CCV220624A

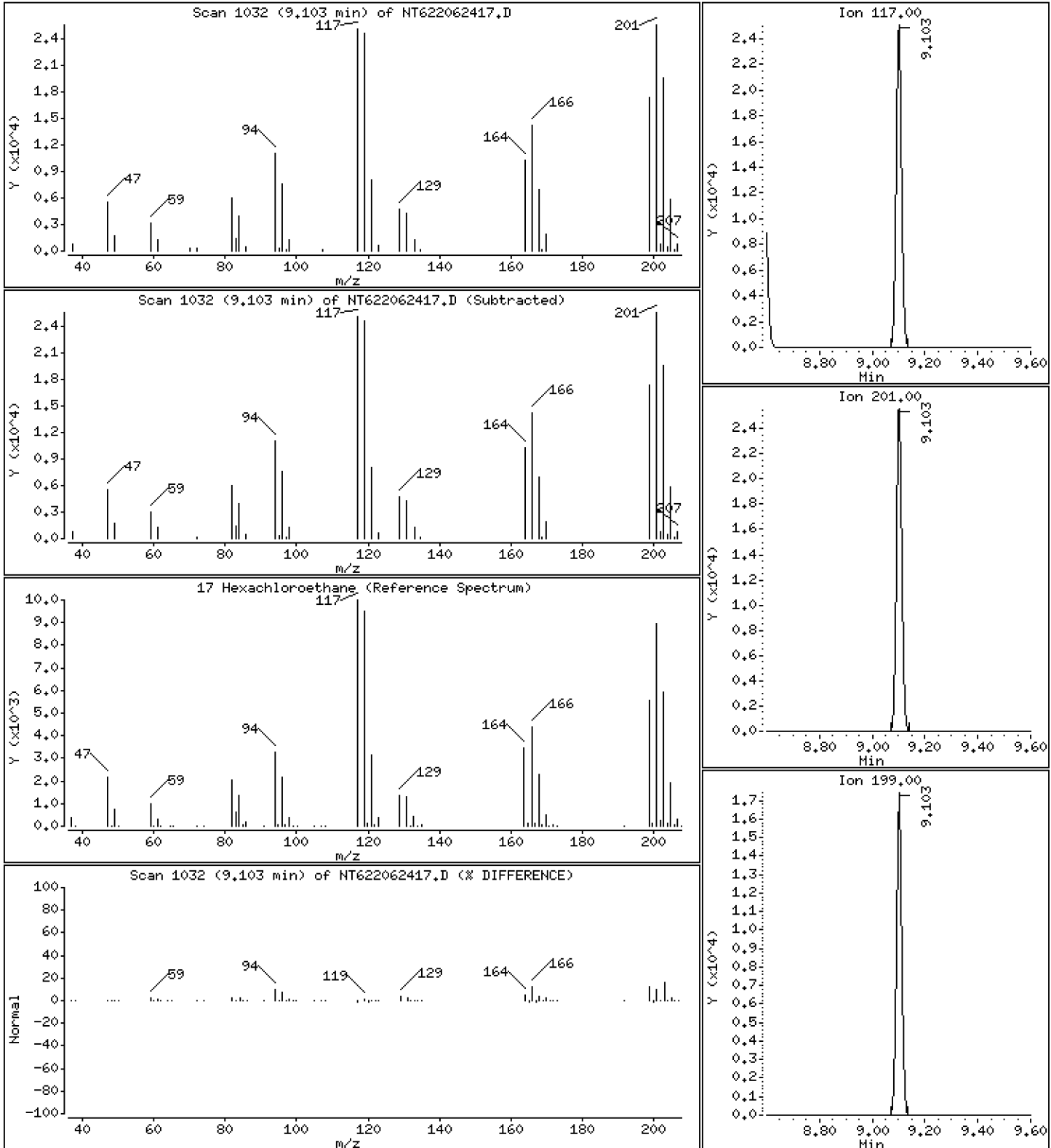
Operator: JZ

Column phase: ZB-5msi

Column diameter: 0.32

17 Hexachloroethane

Concentration: 25.27 ug/mL



Date : 24-JUN-2022 19:27

Client ID:

Instrument: nt6.i

Sample Info: CCV220624A

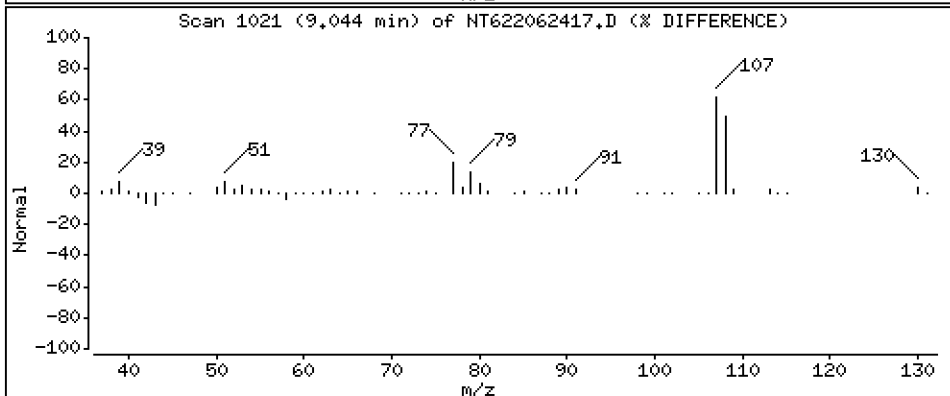
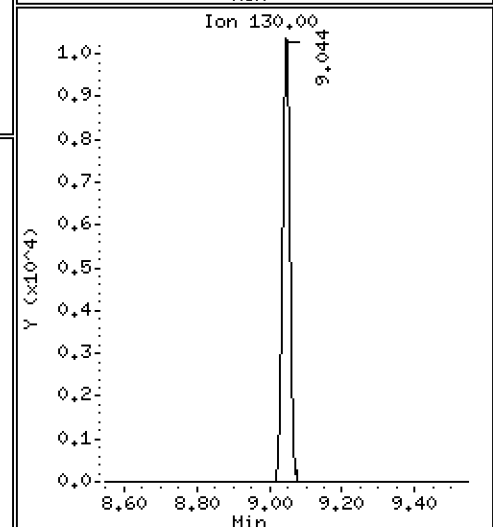
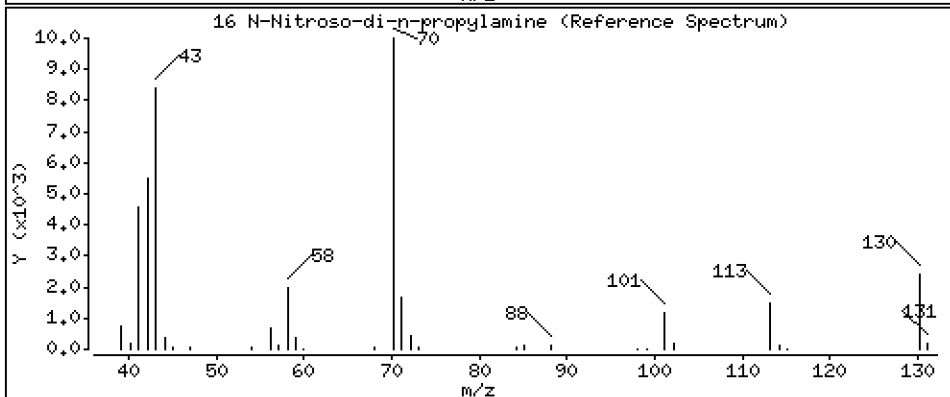
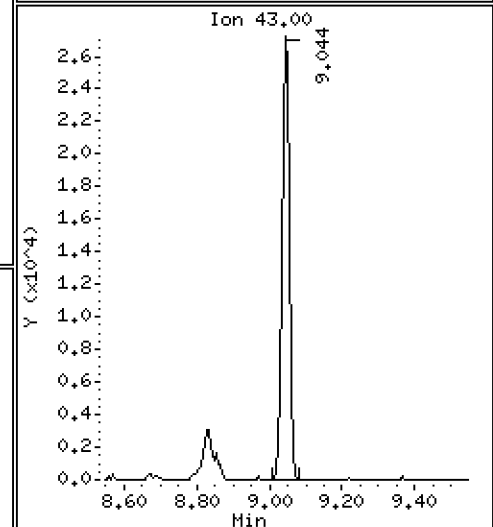
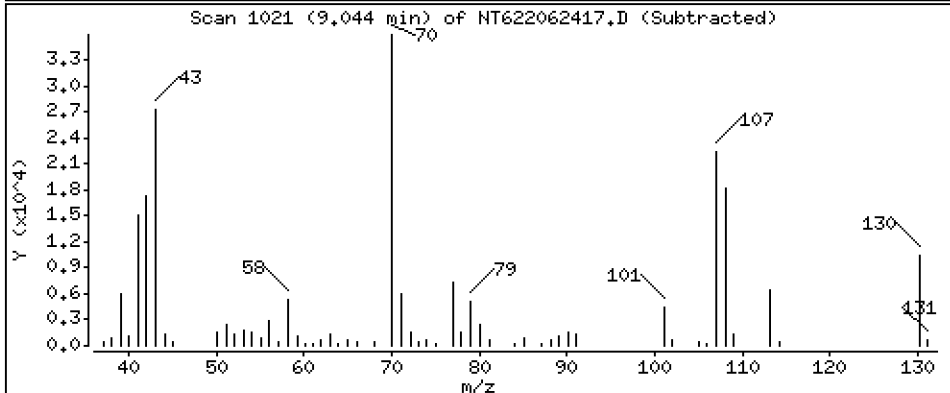
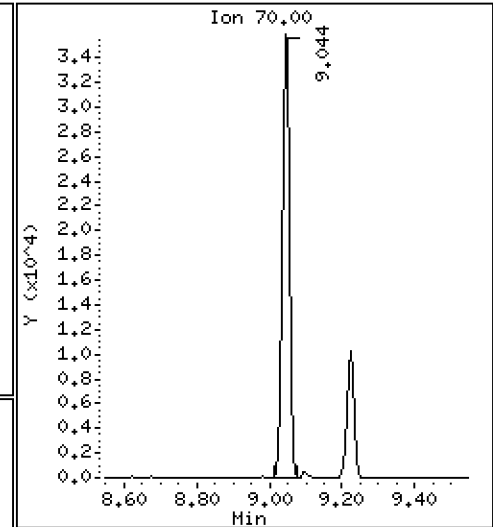
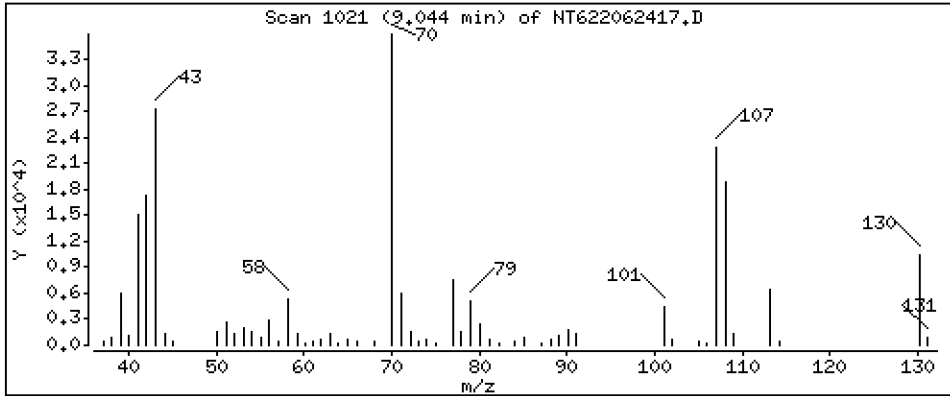
Operator: JZ

Column phase: ZB-5msi

Column diameter: 0.32

16 N-Nitroso-di-n-propylamine

Concentration: 26.07 ug/mL



Date : 24-JUN-2022 19:27

Client ID:

Instrument: nt6.i

Sample Info: CCV220624A

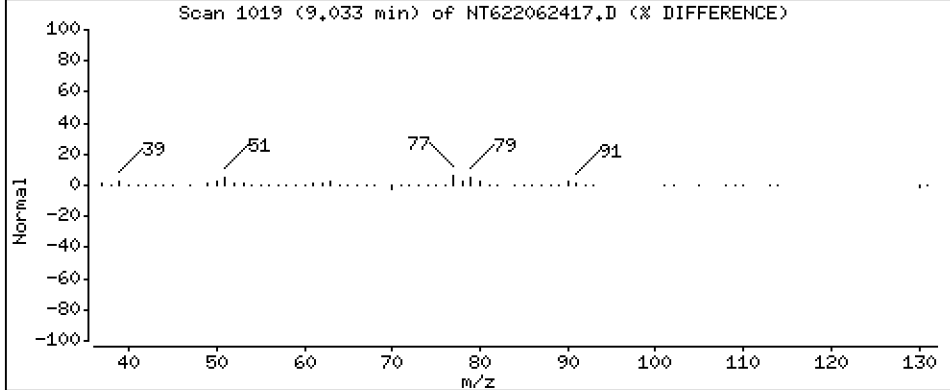
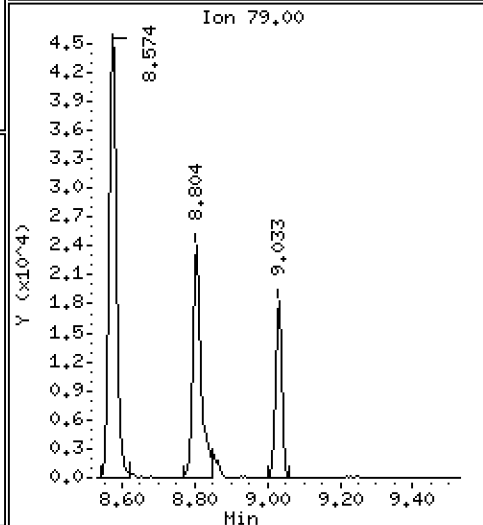
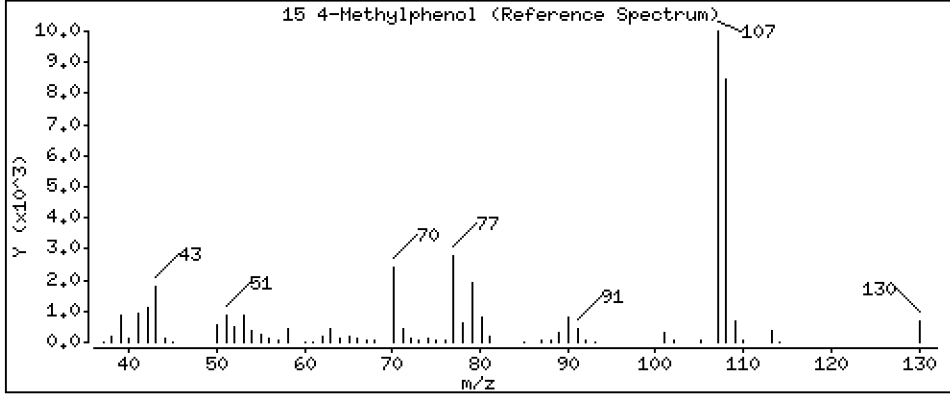
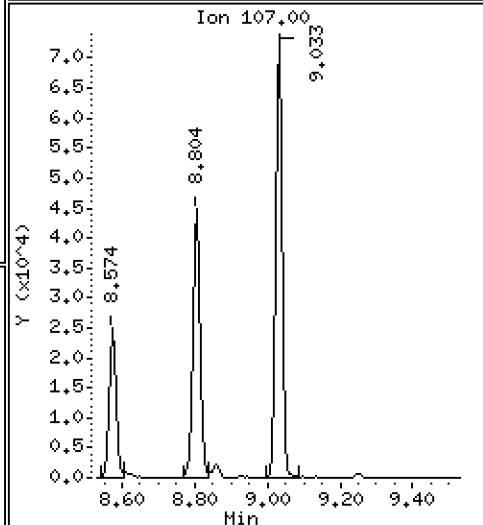
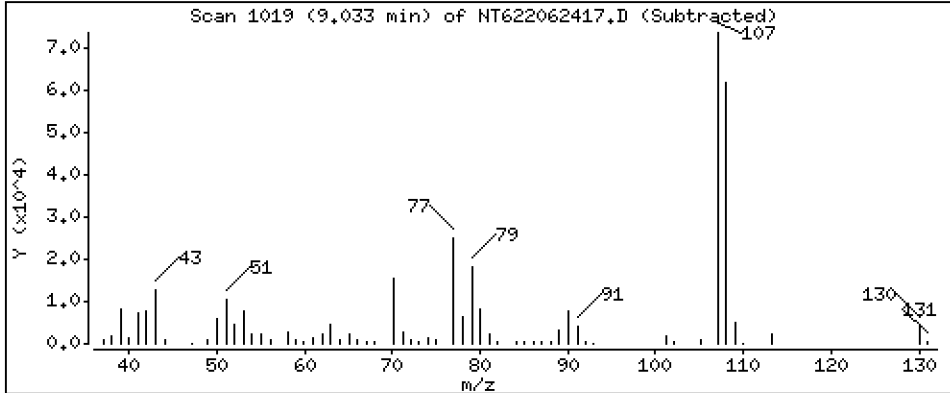
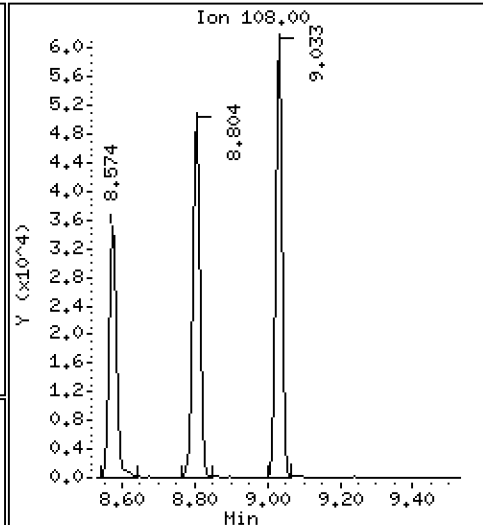
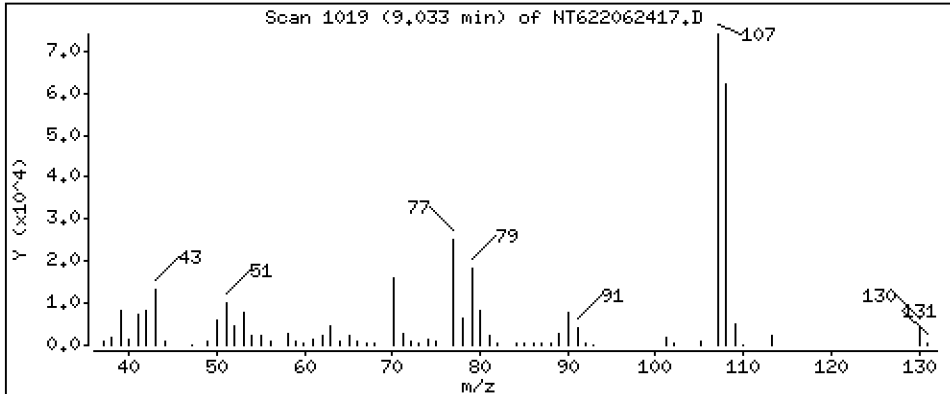
Operator: JZ

Column phase: ZB-5msi

Column diameter: 0.32

15 4-Methylphenol

Concentration: 24.82 ug/mL



Date : 24-JUN-2022 19:27

Client ID:

Instrument: nt6.i

Sample Info: CCV220624A

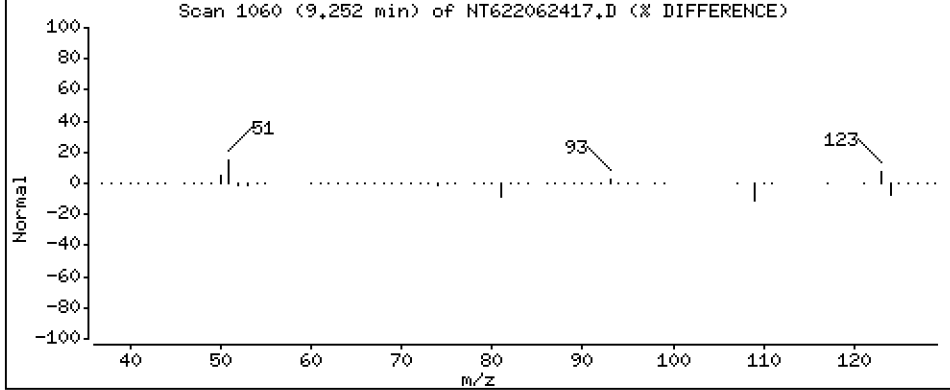
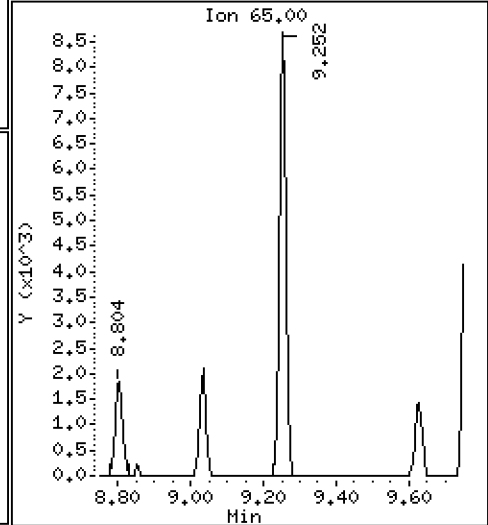
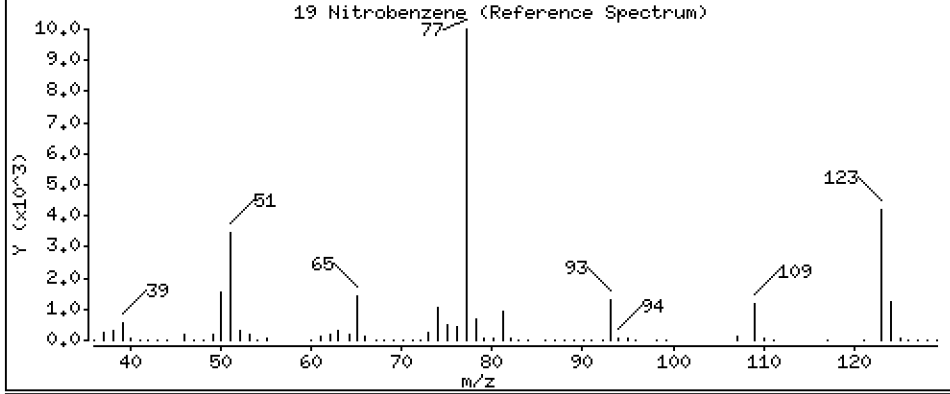
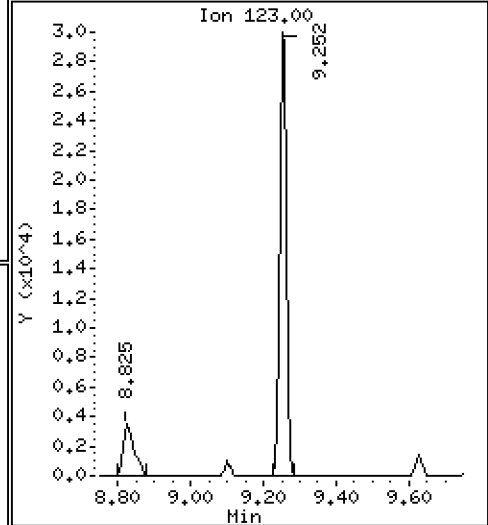
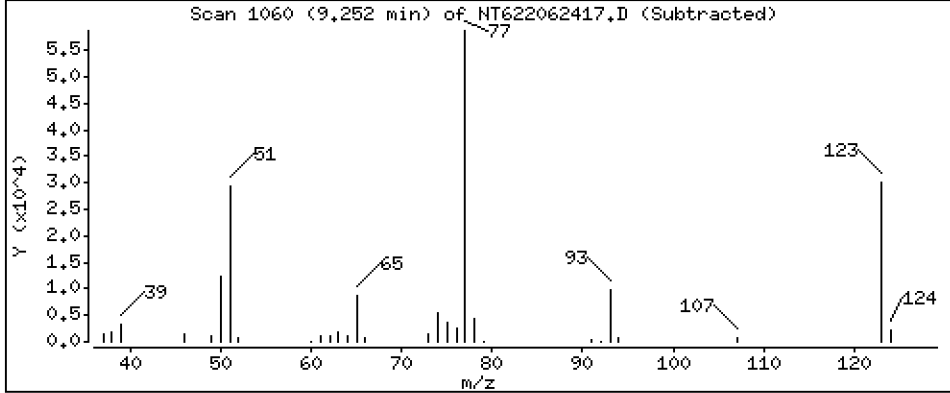
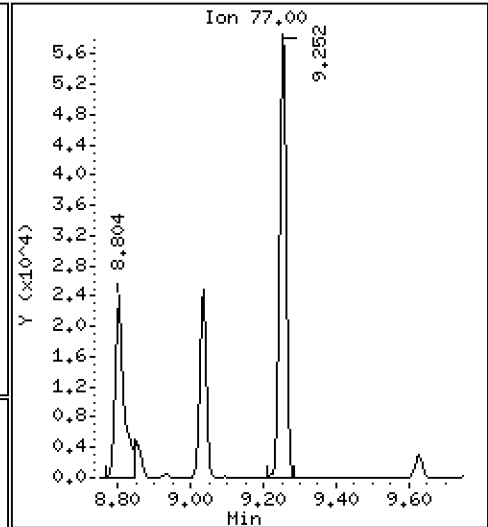
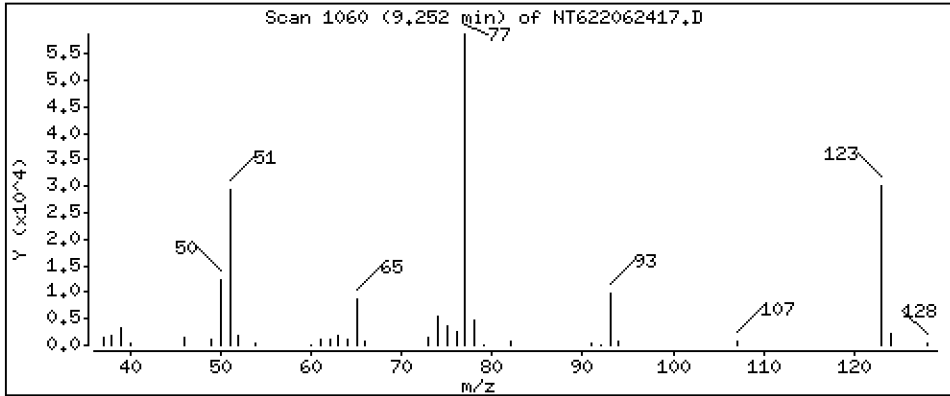
Operator: JZ

Column phase: ZB-5msi

Column diameter: 0.32

19 Nitrobenzene

Concentration: 25.14 ug/mL



Date : 24-JUN-2022 19:27

Client ID:

Instrument: nt6.i

Sample Info: CCV220624A

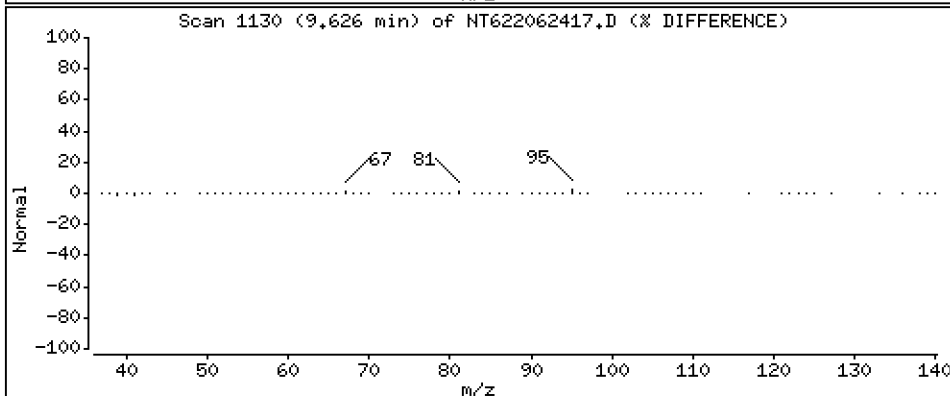
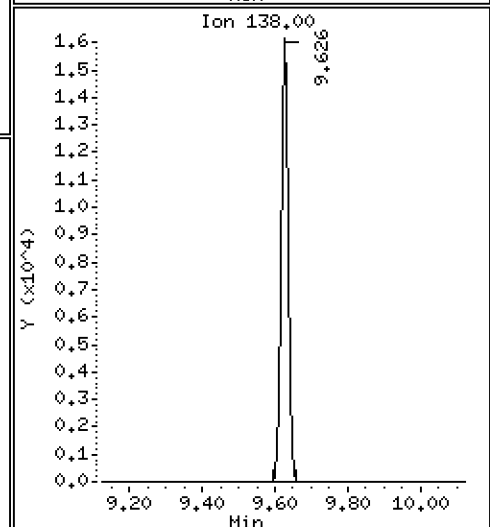
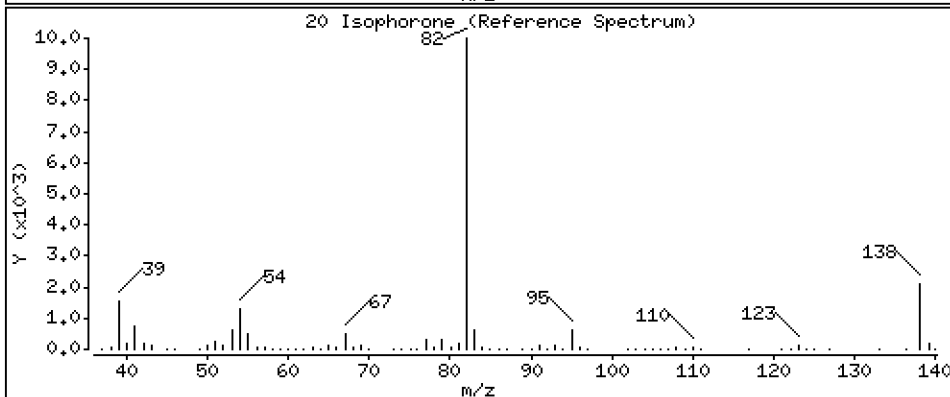
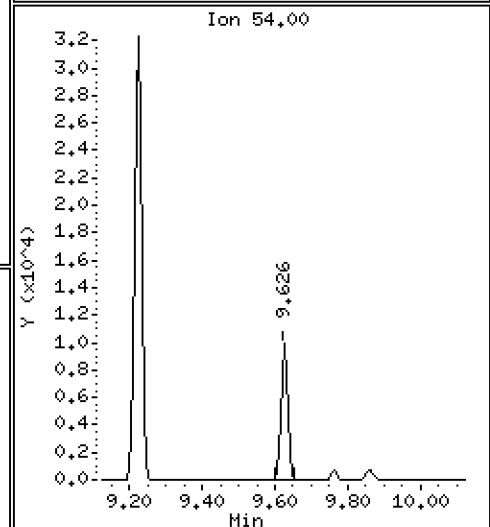
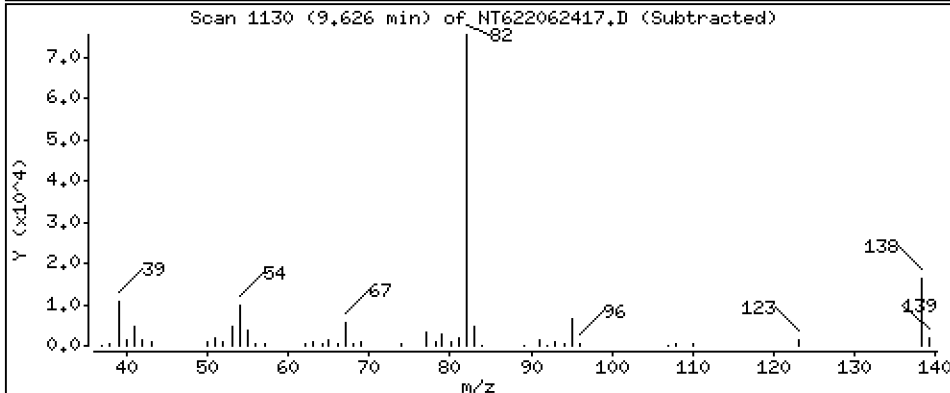
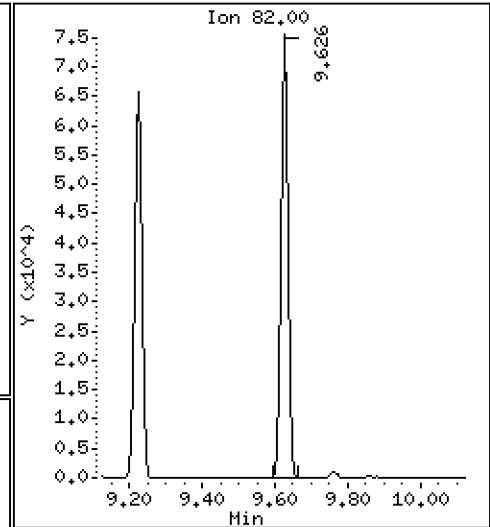
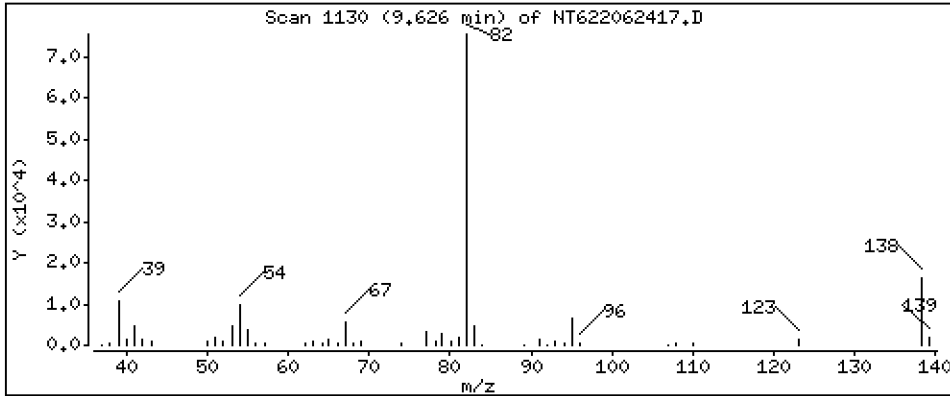
Operator: JZ

Column phase: ZB-5msi

Column diameter: 0.32

20 Isophorone

Concentration: 26.49 ug/mL



Date : 24-JUN-2022 19:27

Client ID:

Instrument: nt6.i

Sample Info: CCV220624A

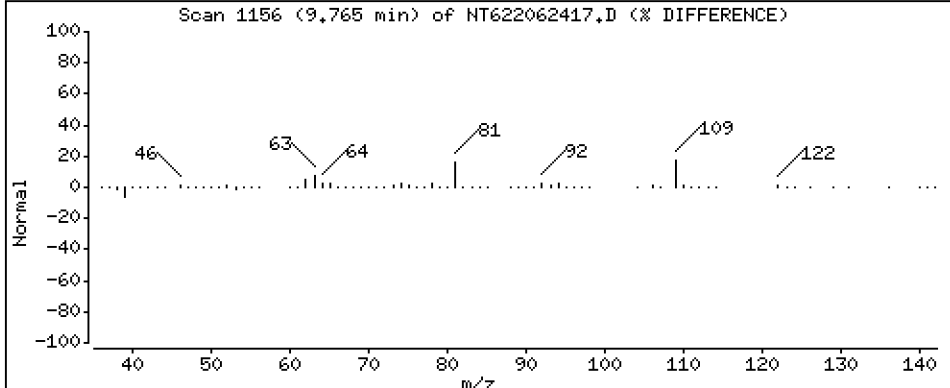
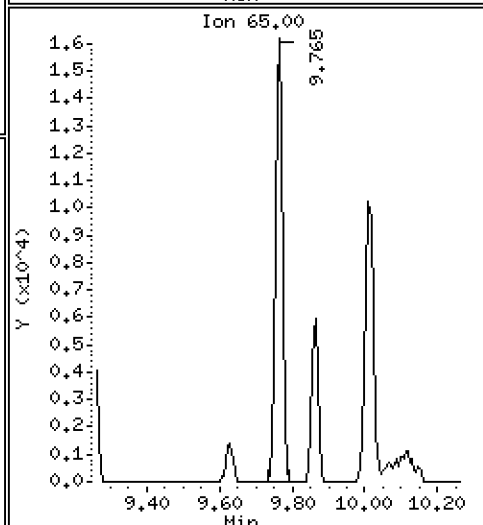
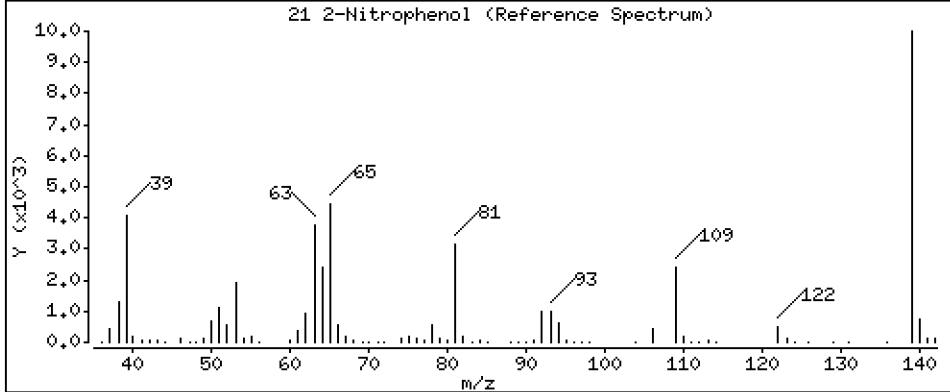
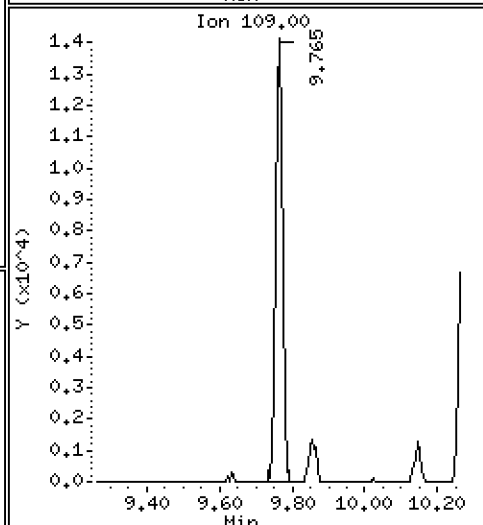
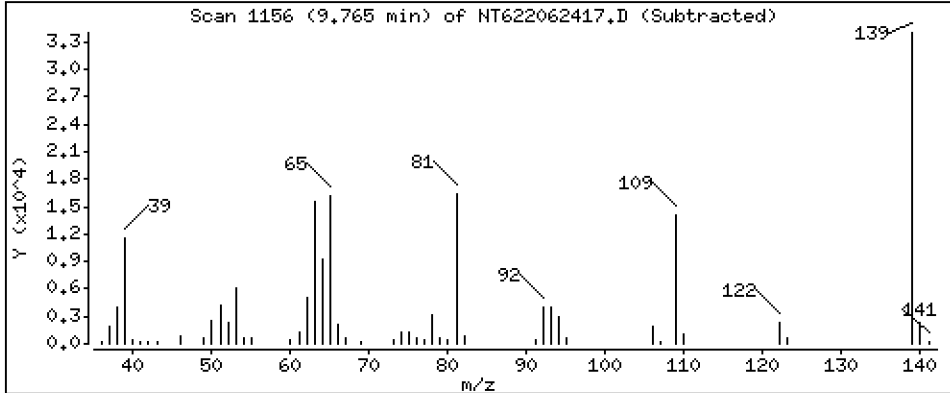
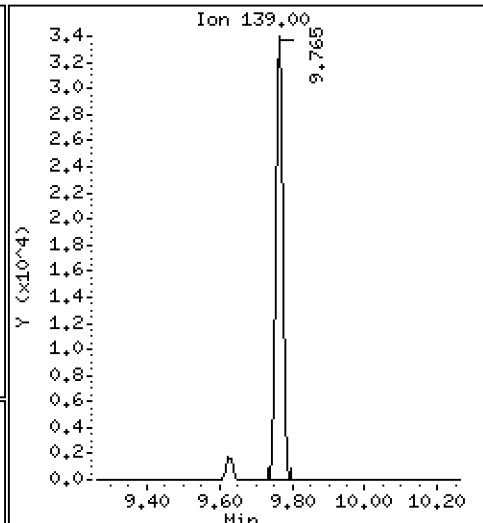
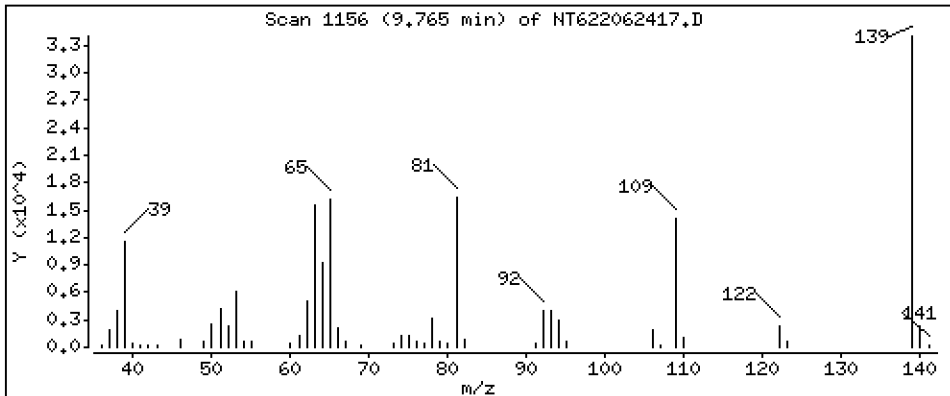
Operator: JZ

Column phase: ZB-5msi

Column diameter: 0.32

21 2-Nitrophenol

Concentration: 24.78 ug/mL



Date : 24-JUN-2022 19:27

Client ID:

Instrument: nt6.i

Sample Info: CCV220624A

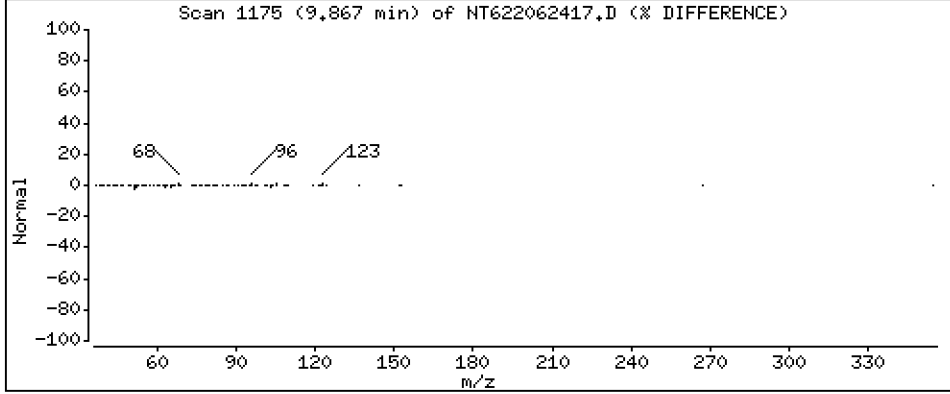
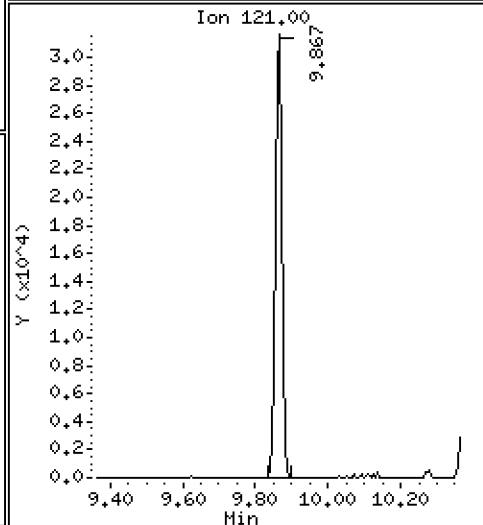
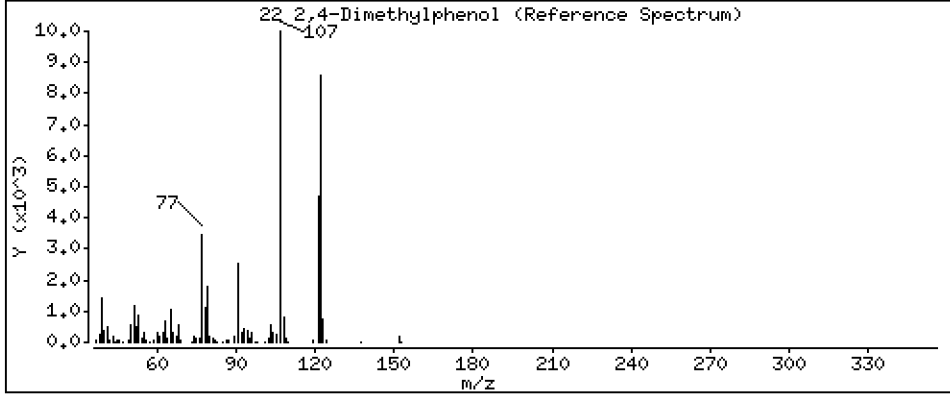
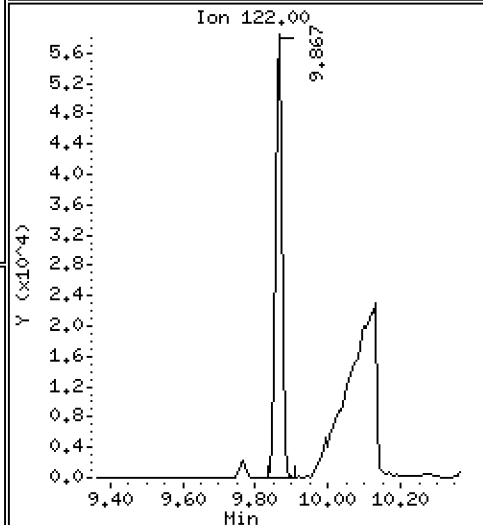
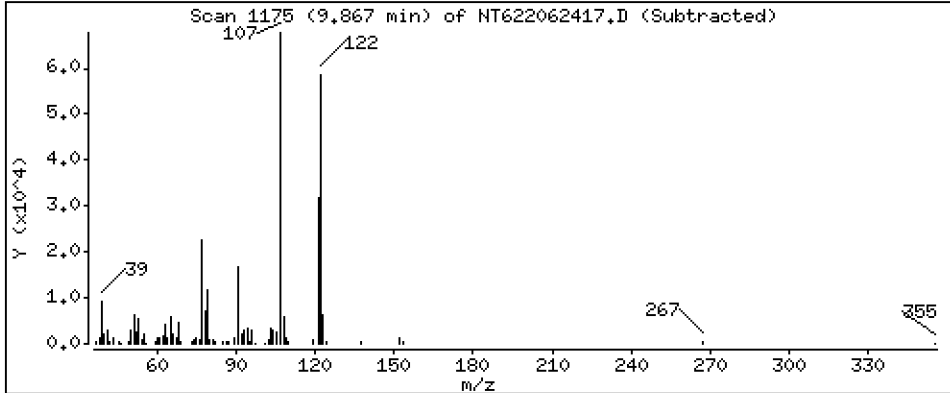
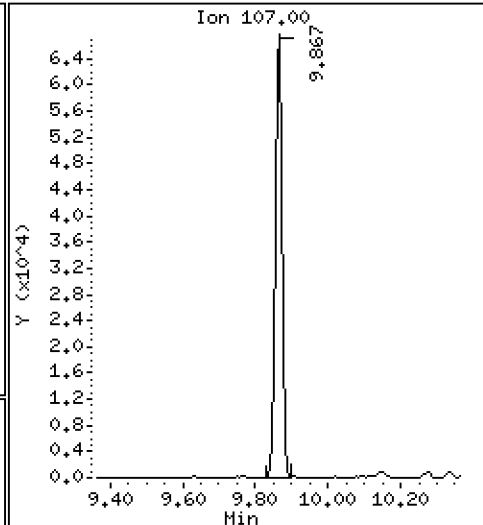
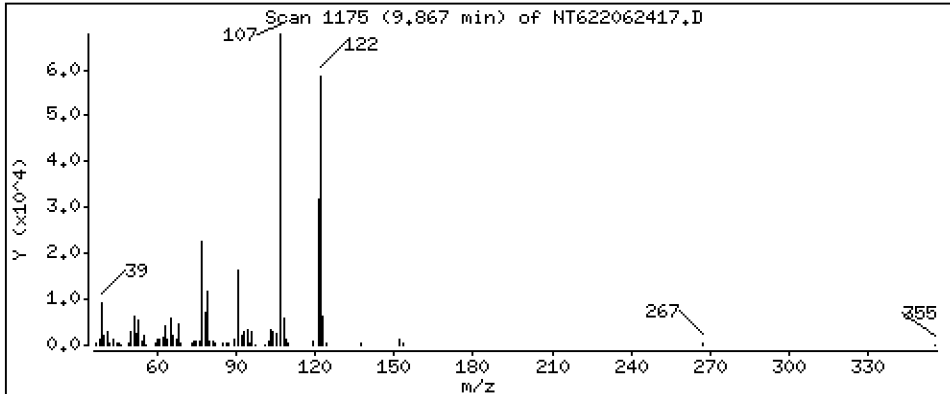
Operator: JZ

Column phase: ZB-5msi

Column diameter: 0.32

22 2,4-Dimethylphenol

Concentration: 24.97 ug/mL



Date : 24-JUN-2022 19:27

Client ID:

Instrument: nt6.i

Sample Info: CCV220624A

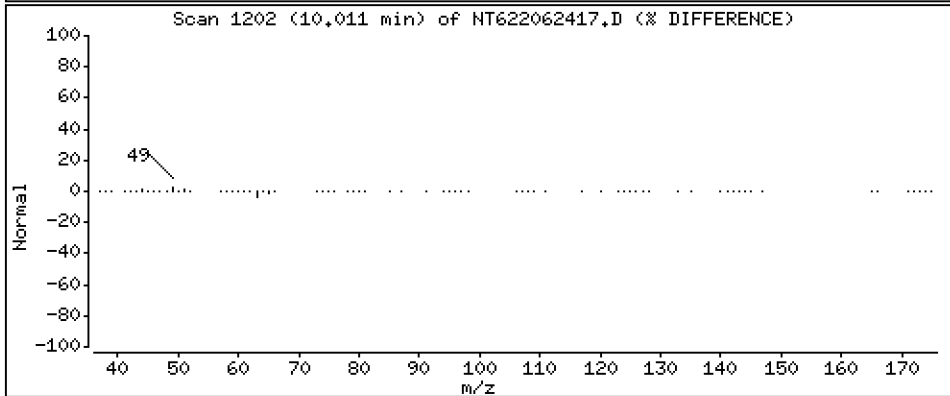
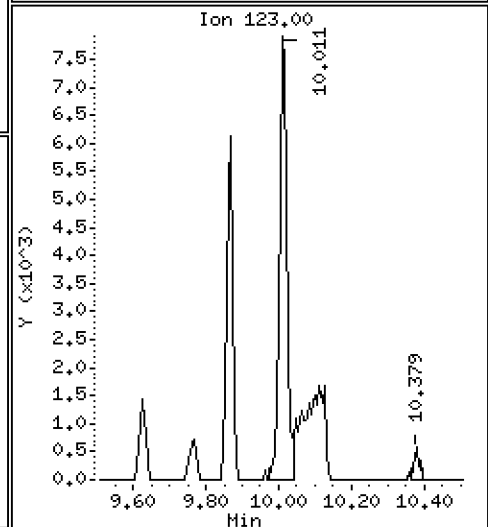
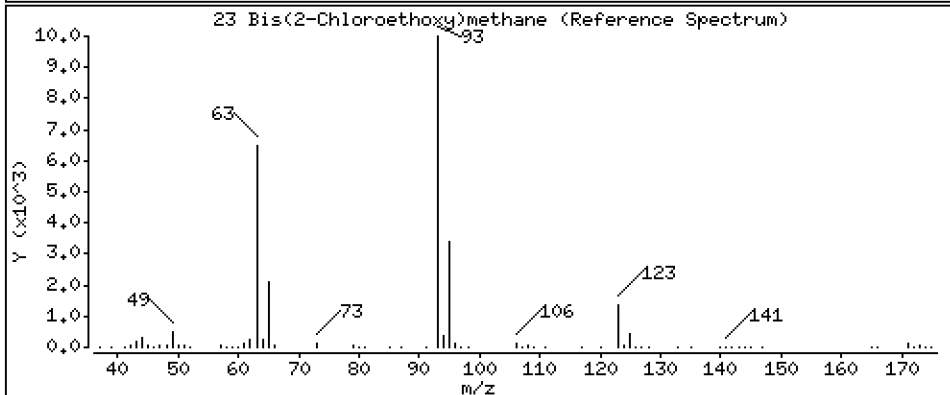
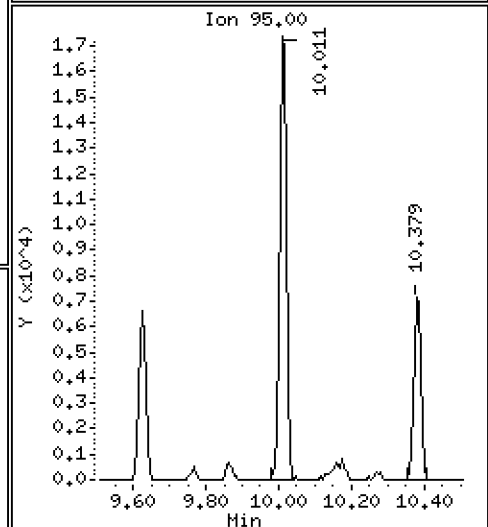
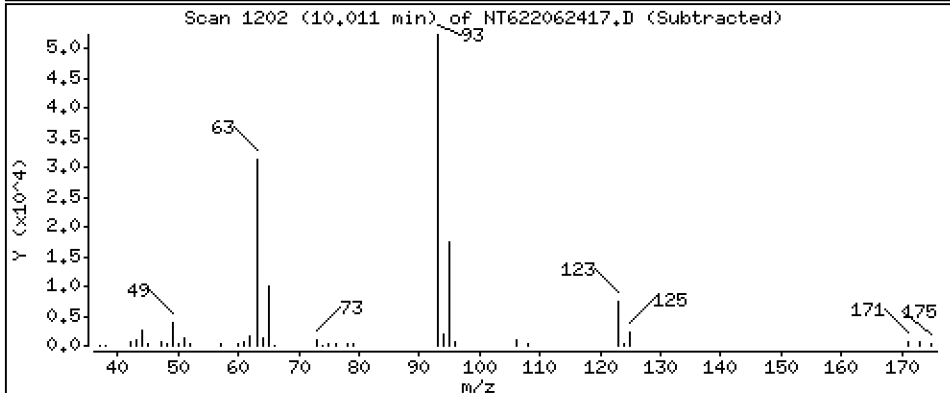
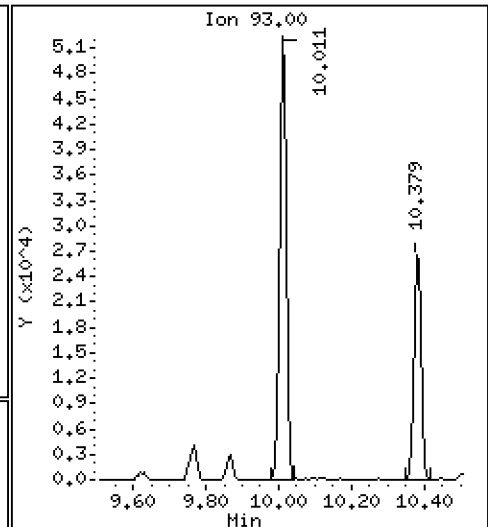
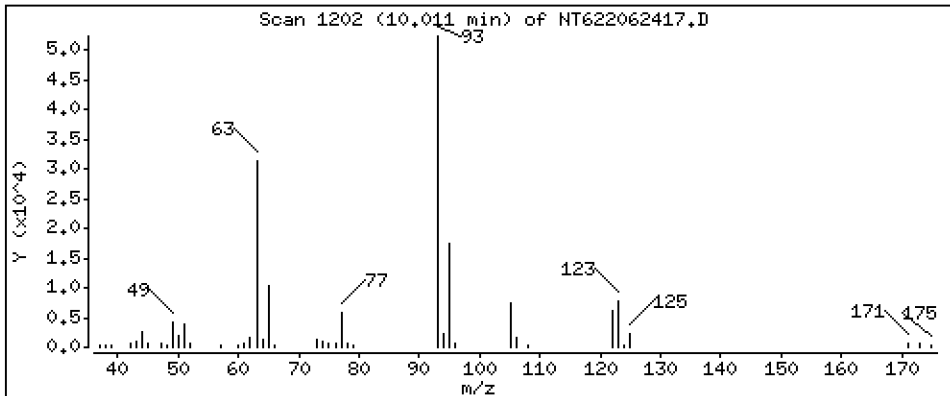
Operator: JZ

Column phase: ZB-5msi

Column diameter: 0.32

23 Bis(2-Chloroethoxy)methane

Concentration: 24.85 ug/mL



Date : 24-JUN-2022 19:27

Client ID:

Instrument: nt6.i

Sample Info: CCV220624A

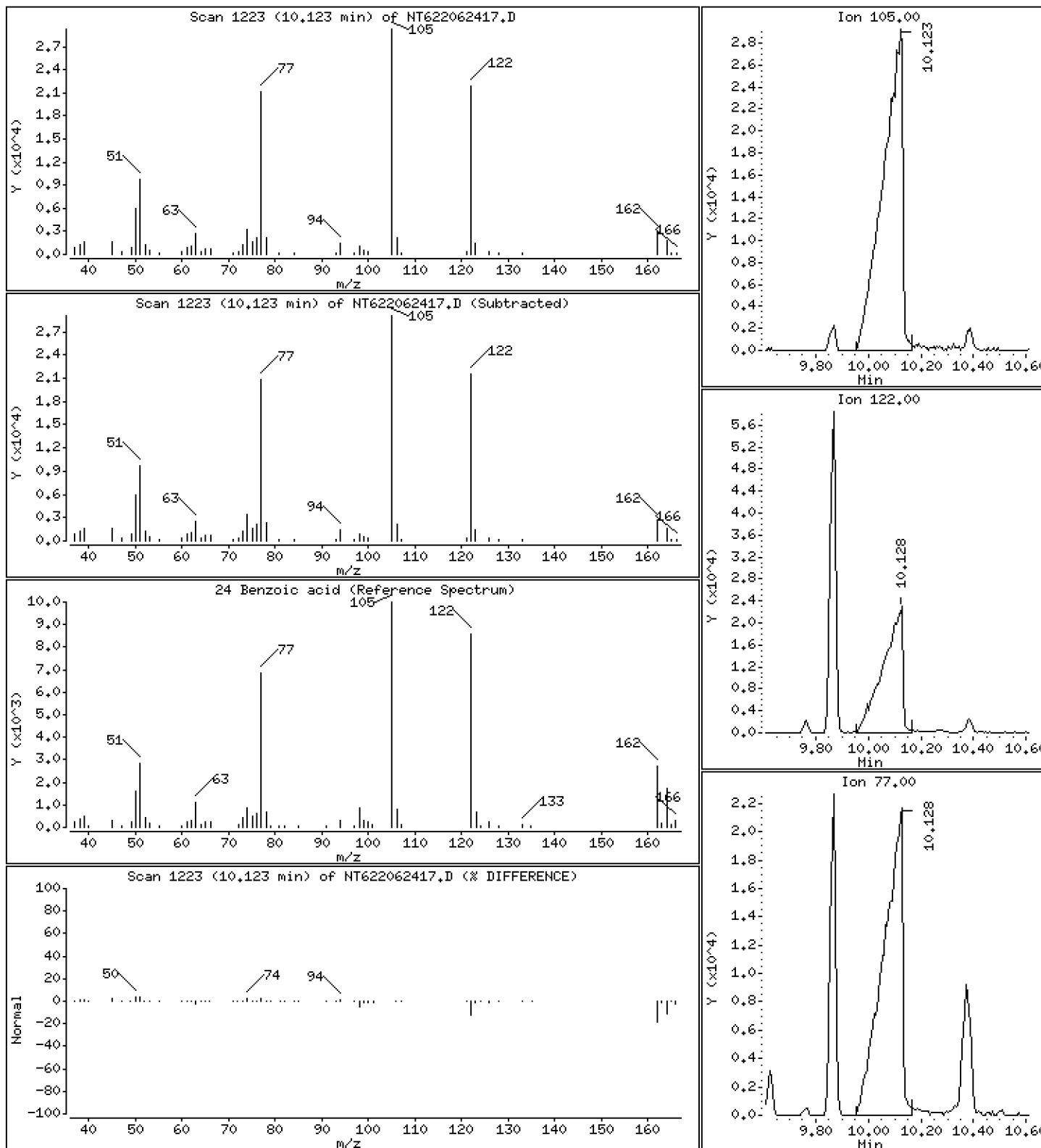
Operator: JZ

Column phase: ZB-5msi

Column diameter: 0.32

24 Benzoic acid

Concentration: 68.09 ug/mL



Date : 24-JUN-2022 19:27

Client ID:

Instrument: nt6.i

Sample Info: CCV220624A

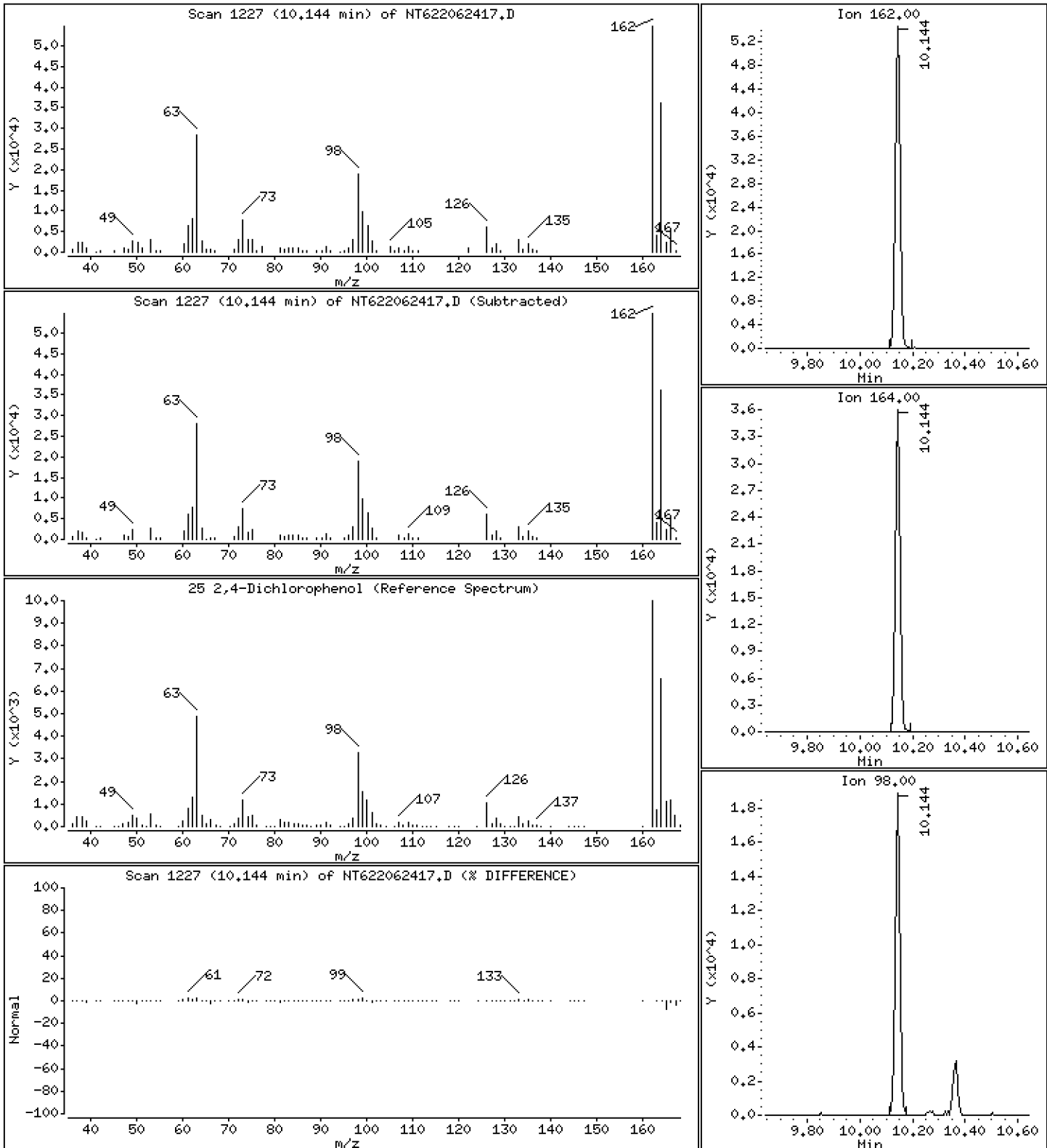
Operator: JZ

Column phase: ZB-5msi

Column diameter: 0.32

25 2,4-Dichlorophenol

Concentration: 24.78 ug/mL



Date : 24-JUN-2022 19:27

Client ID:

Instrument: nt6.i

Sample Info: CCV220624A

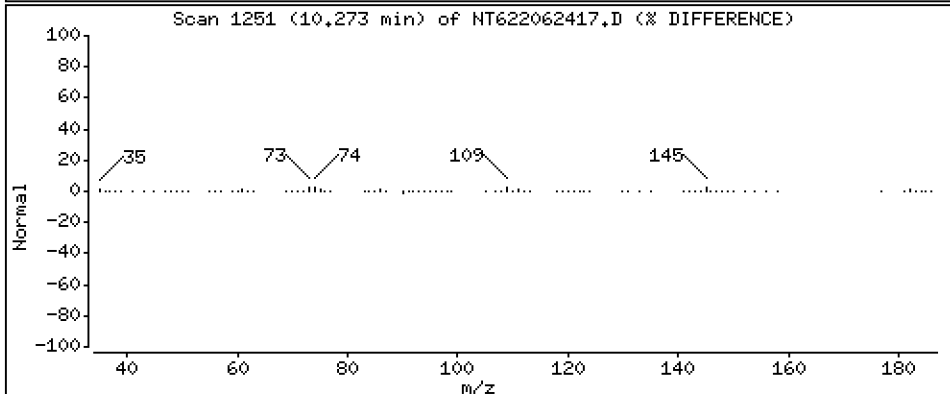
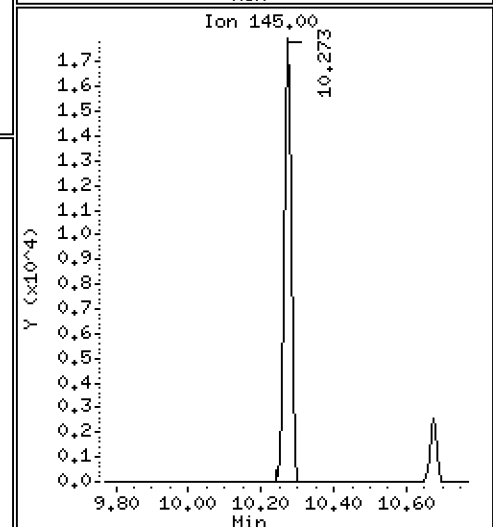
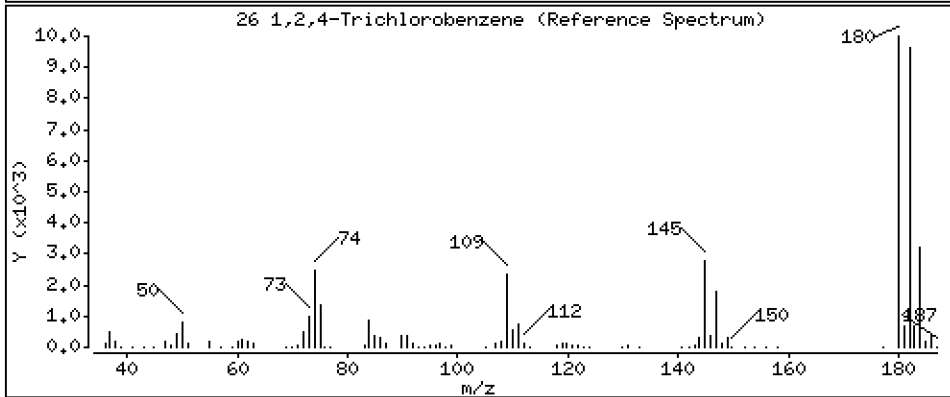
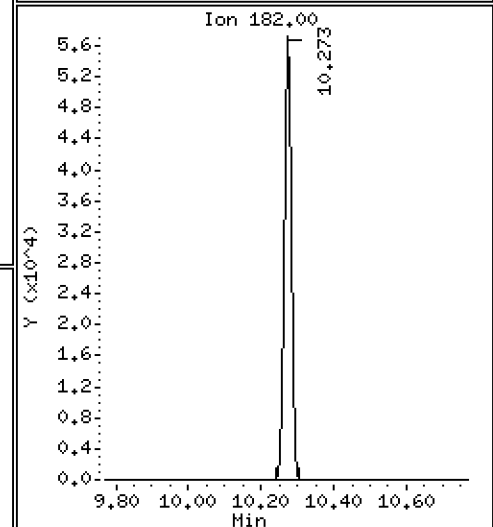
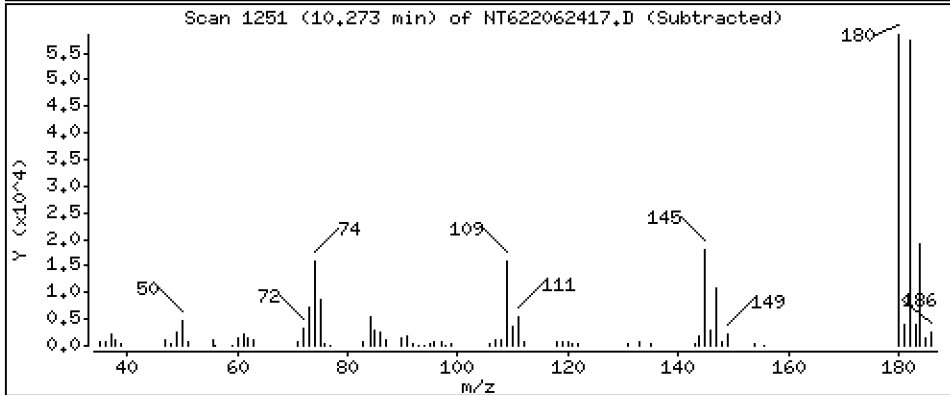
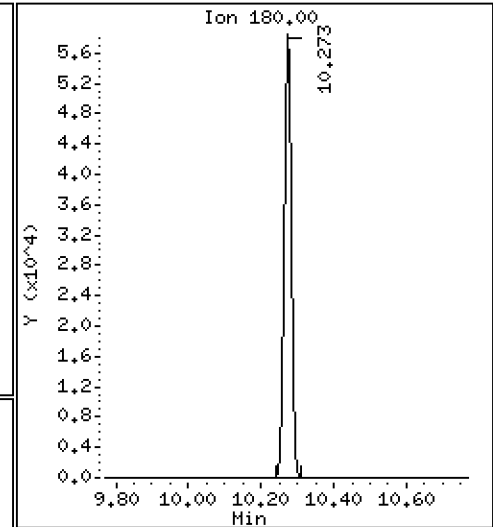
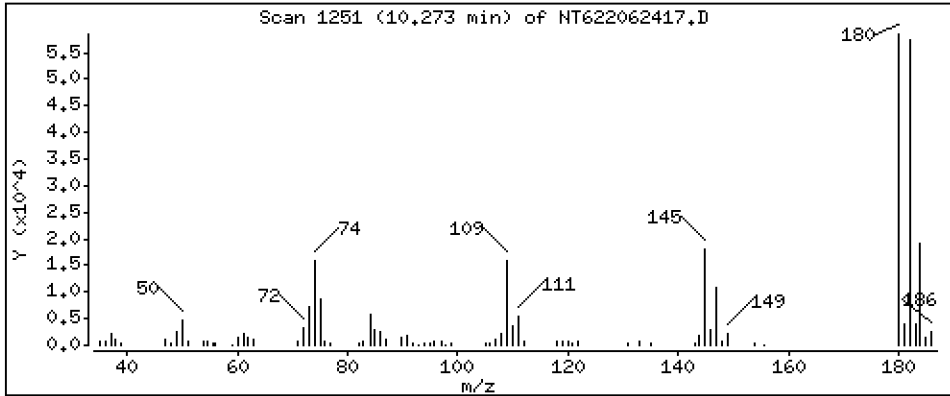
Operator: JZ

Column phase: ZB-5msi

Column diameter: 0,32

26 1,2,4-Trichlorobenzene

Concentration: 24,89 ug/mL



Date : 24-JUN-2022 19:27

Client ID:

Instrument: nt6.i

Sample Info: CCV220624A

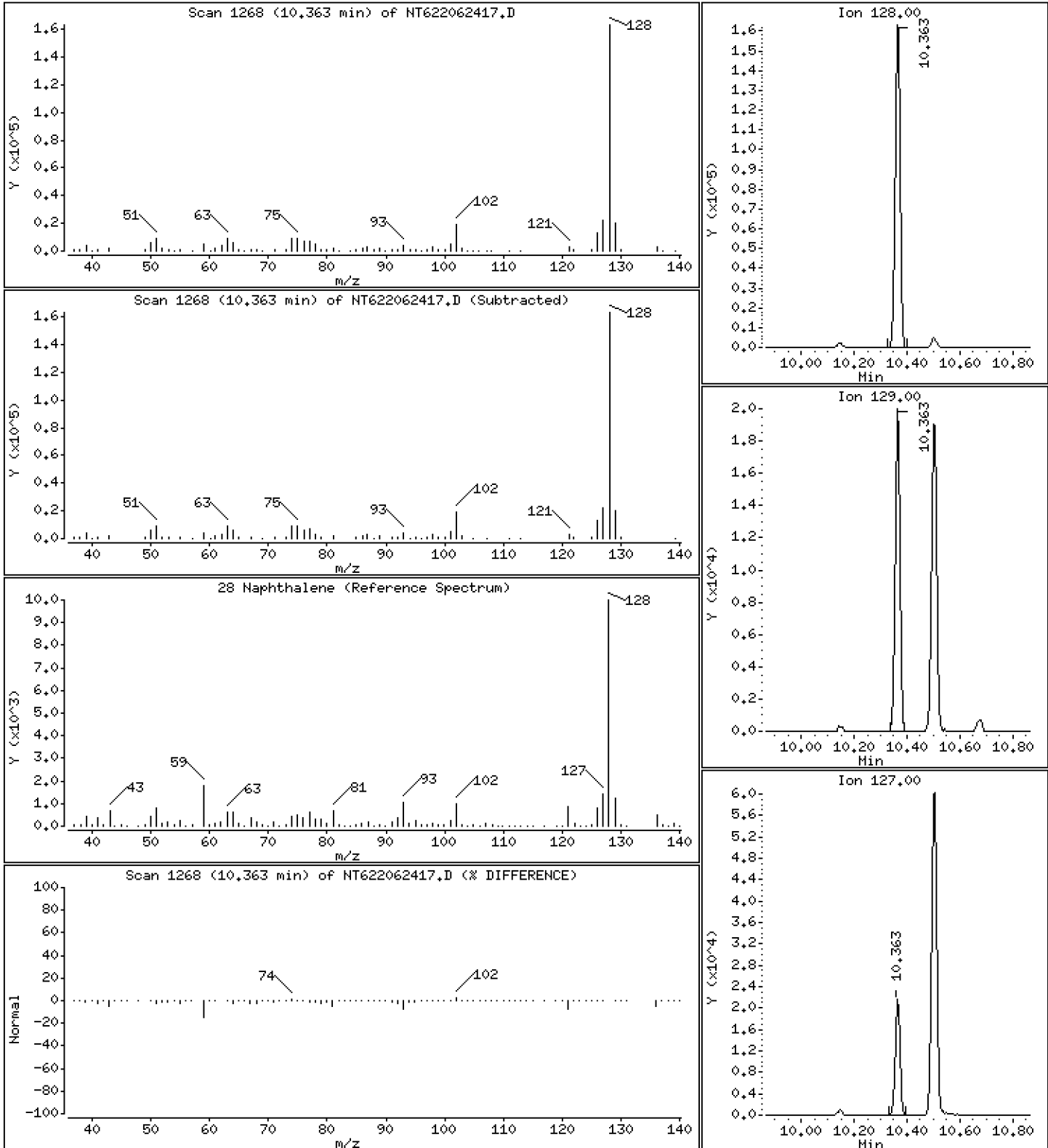
Operator: JZ

Column phase: ZB-5msi

Column diameter: 0.32

28 Naphthalene

Concentration: 24.86 ug/mL



Date : 24-JUN-2022 19:27

Client ID:

Instrument: nt6.i

Sample Info: CCV220624A

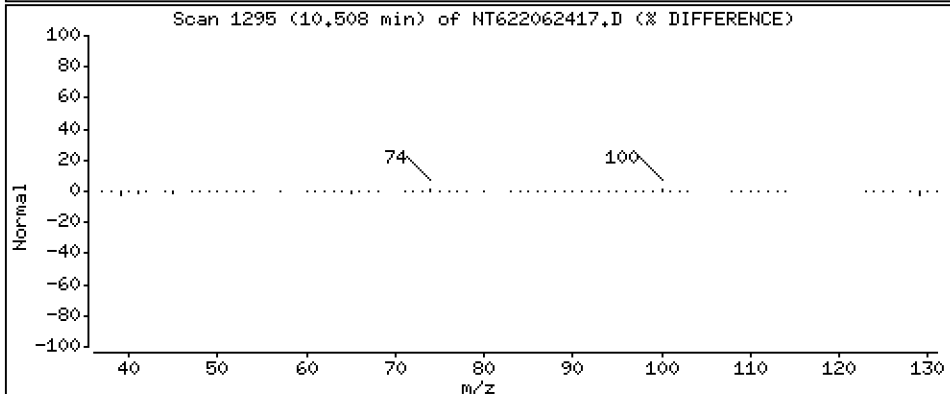
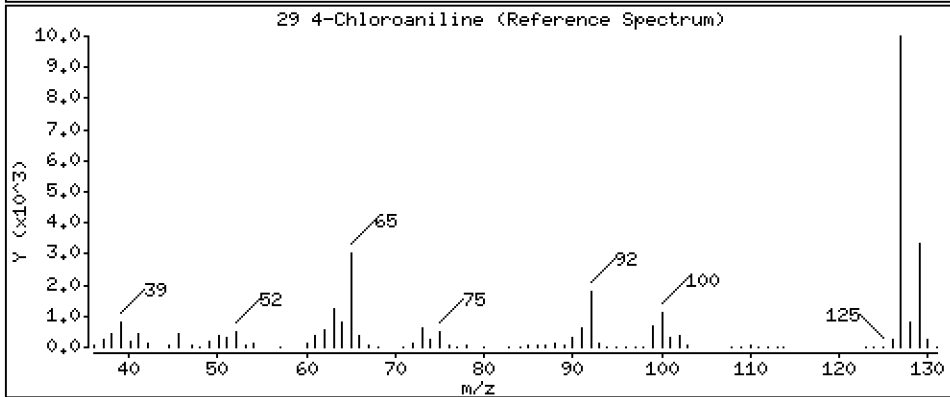
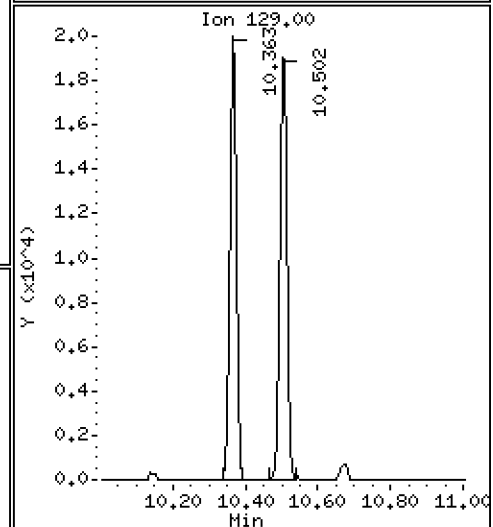
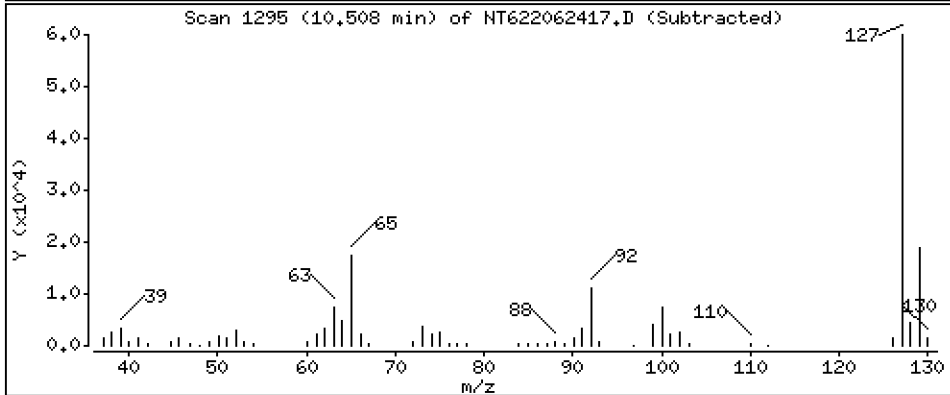
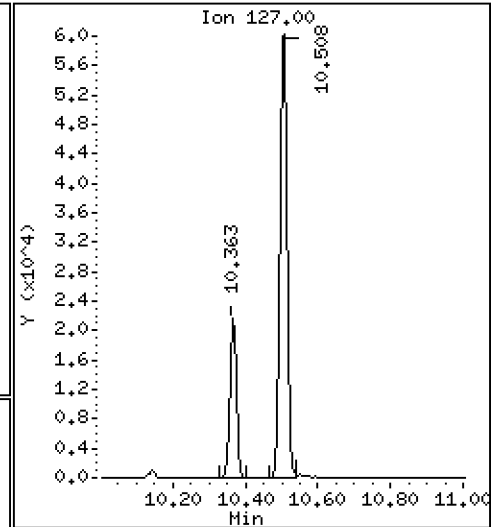
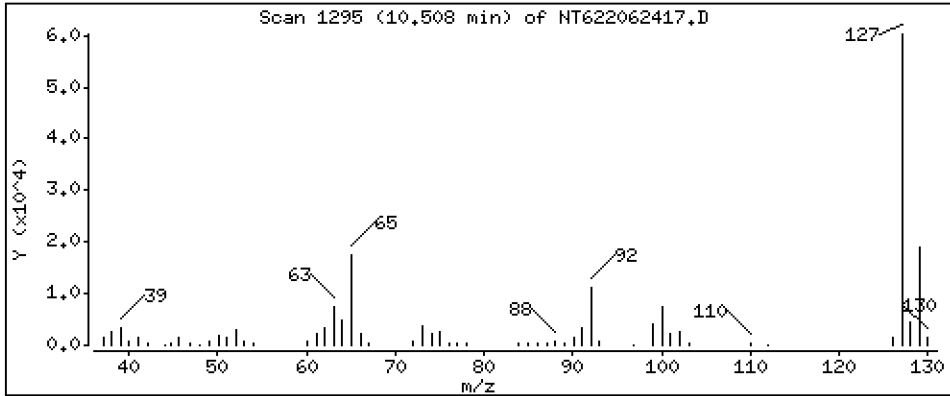
Operator: JZ

Column phase: ZB-5msi

Column diameter: 0.32

29 4-Chloroaniline

Concentration: 23.28 ug/mL



Date : 24-JUN-2022 19:27

Client ID:

Instrument: nt6.i

Sample Info: CCV220624A

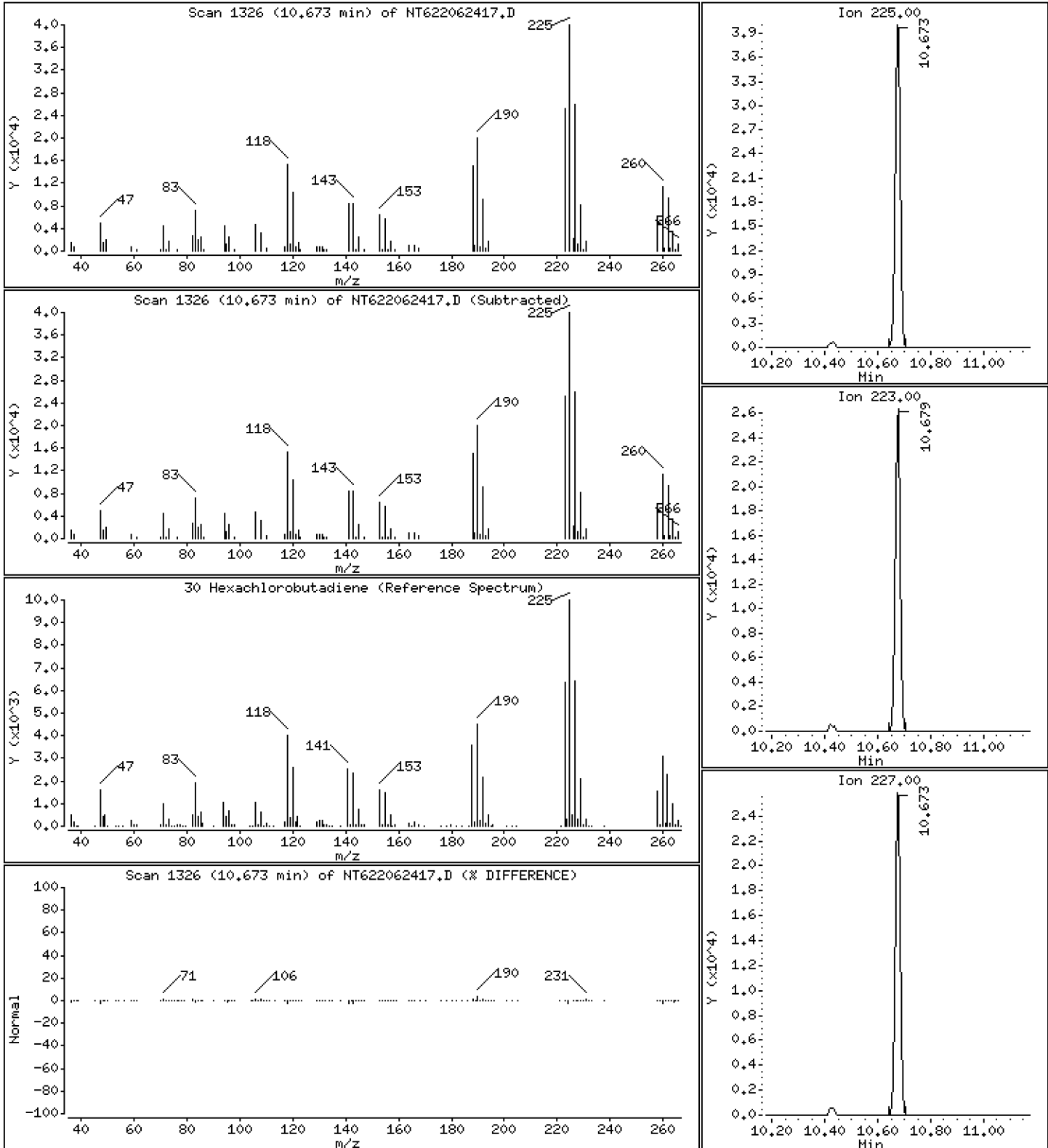
Operator: JZ

Column phase: ZB-5msi

Column diameter: 0,32

30 Hexachlorobutadiene

Concentration: 25,78 ug/mL



Date : 24-JUN-2022 19:27

Client ID:

Instrument: nt6.i

Sample Info: CCV220624A

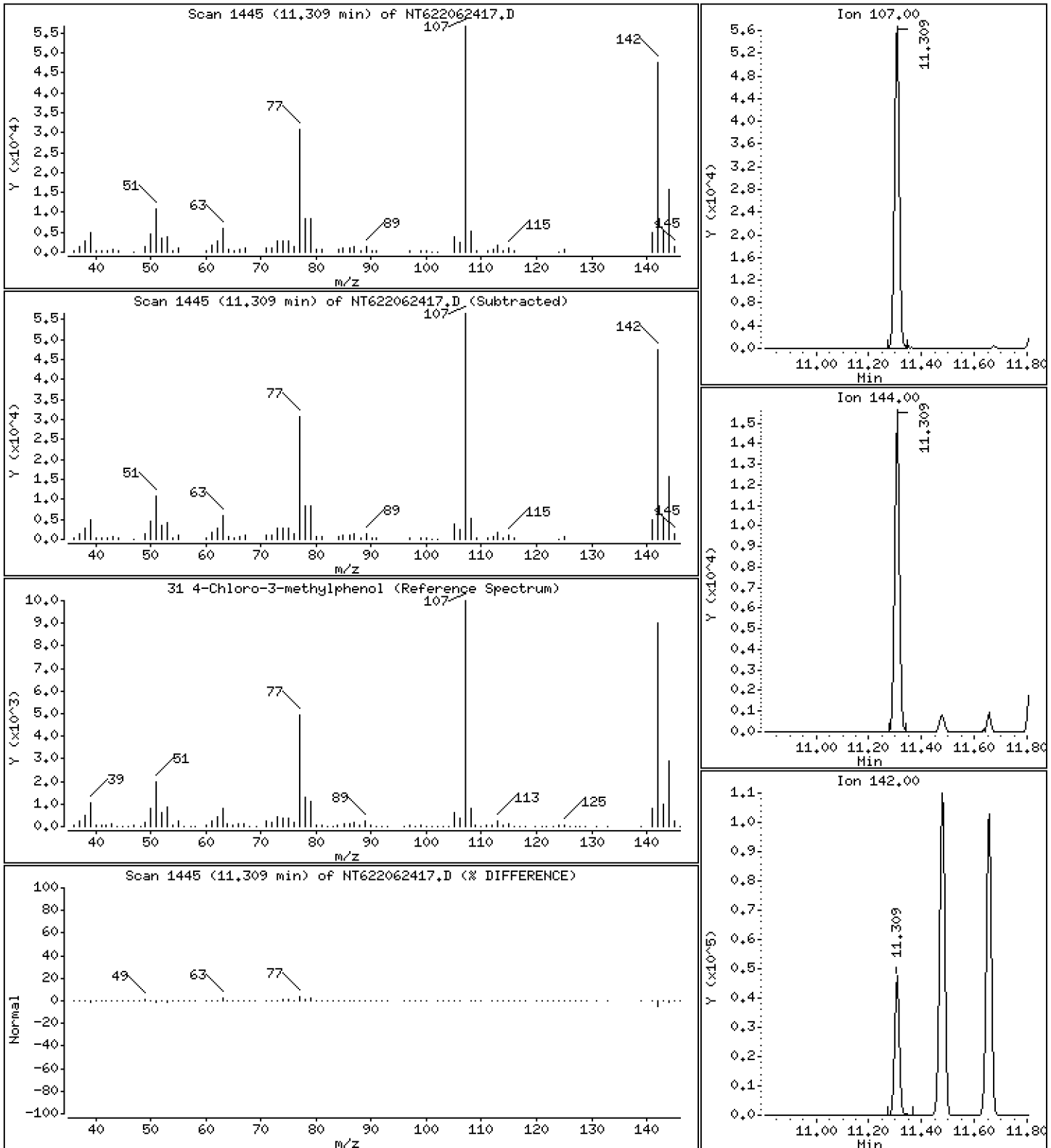
Operator: JZ

Column phase: ZB-5msi

Column diameter: 0.32

31 4-Chloro-3-methylphenol

Concentration: 25.16 ug/mL



Date : 24-JUN-2022 19:27

Client ID:

Instrument: nt6.i

Sample Info: CCV220624A

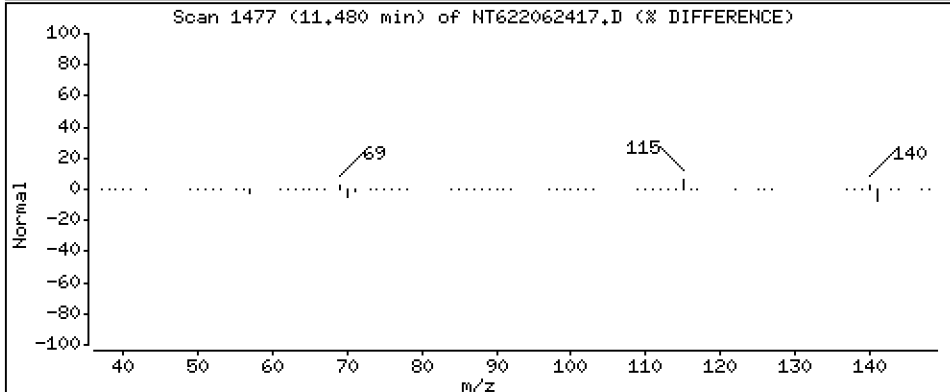
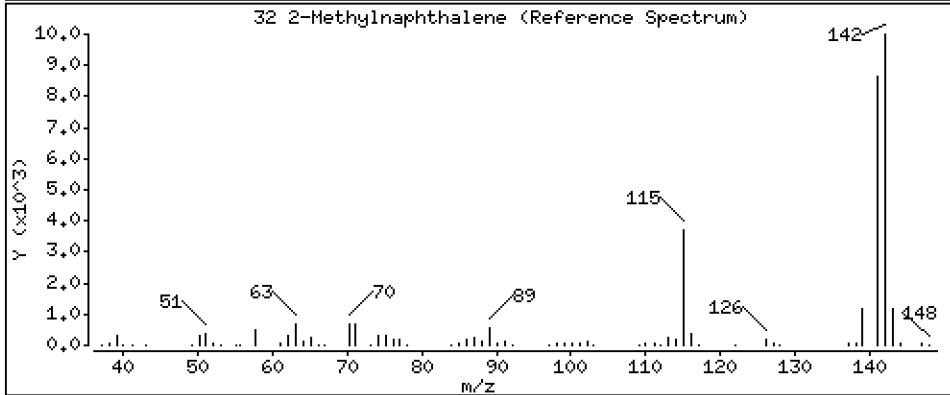
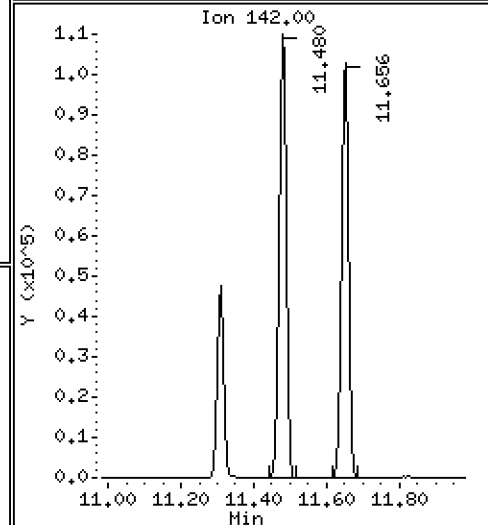
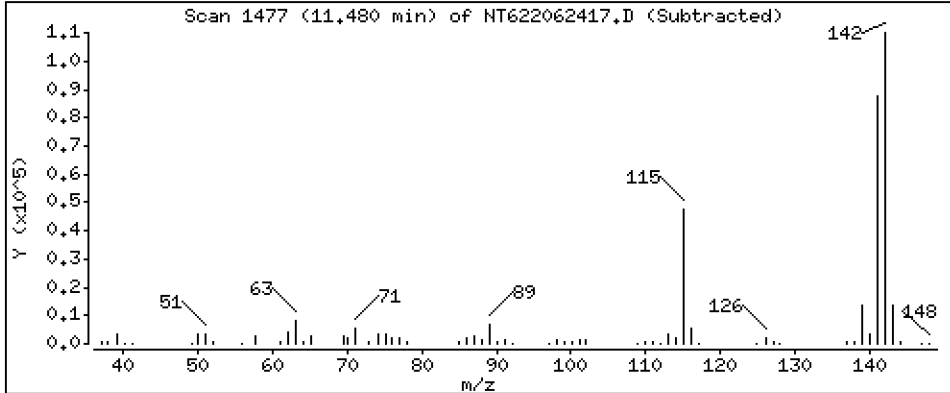
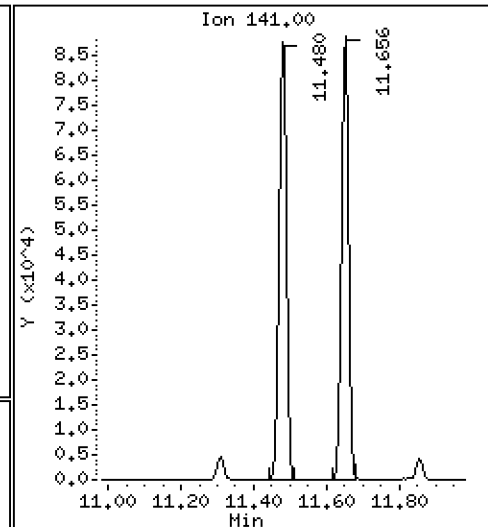
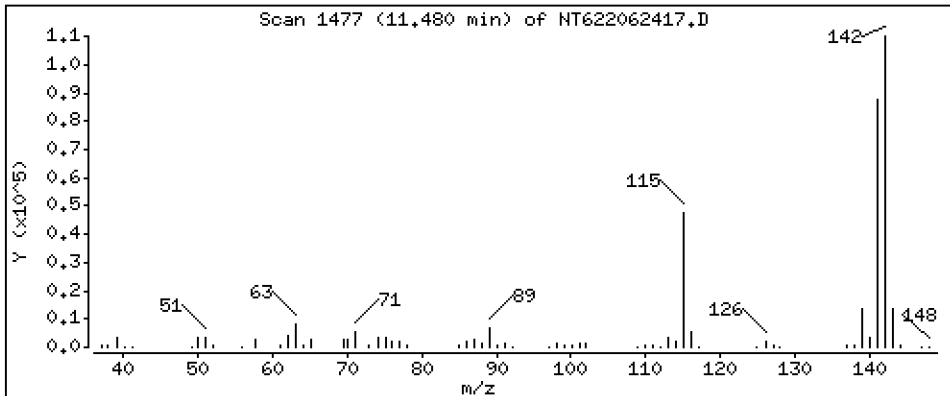
Operator: JZ

Column phase: ZB-5msi

Column diameter: 0.32

32 2-Methylnaphthalene

Concentration: 25.49 ug/mL



Date : 24-JUN-2022 19:27

Client ID:

Instrument: nt6.i

Sample Info: CCV220624A

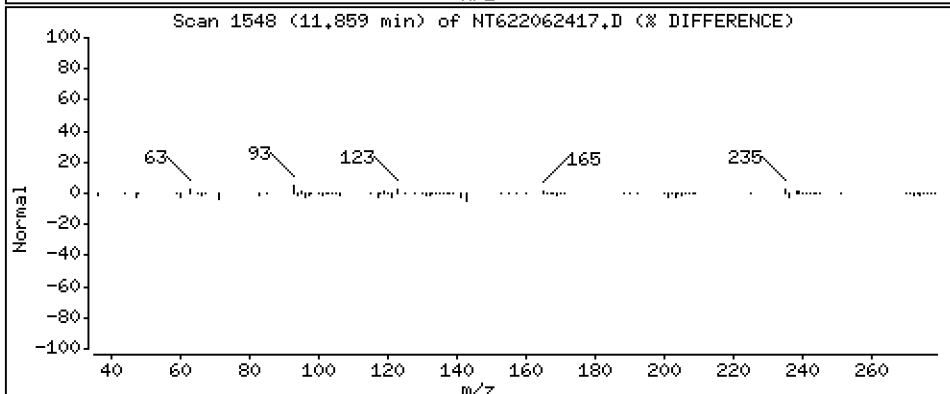
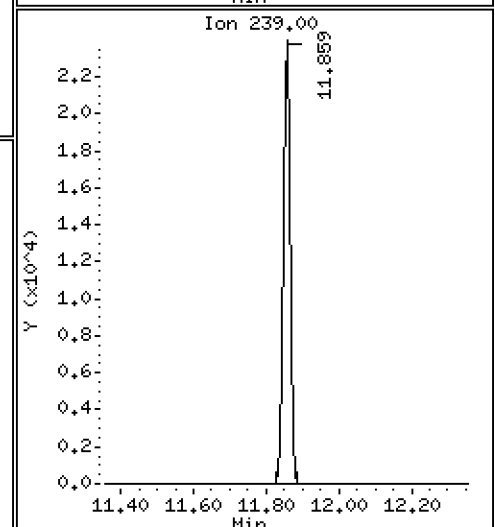
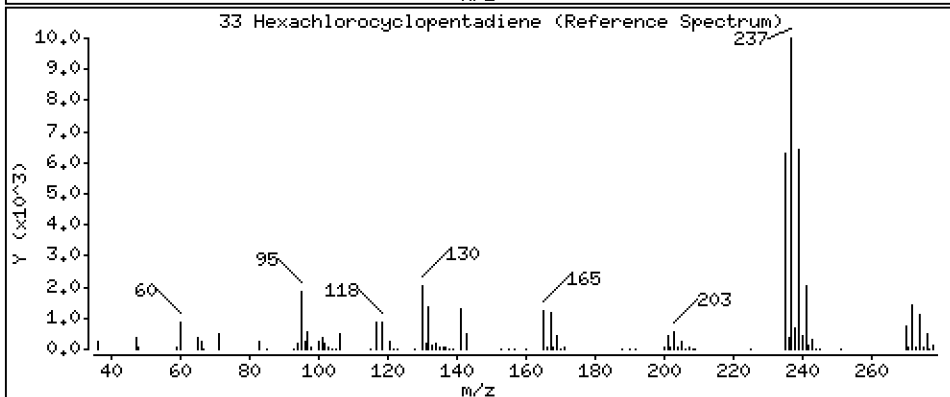
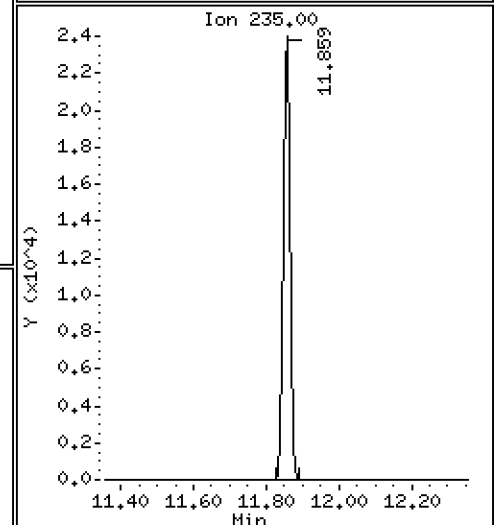
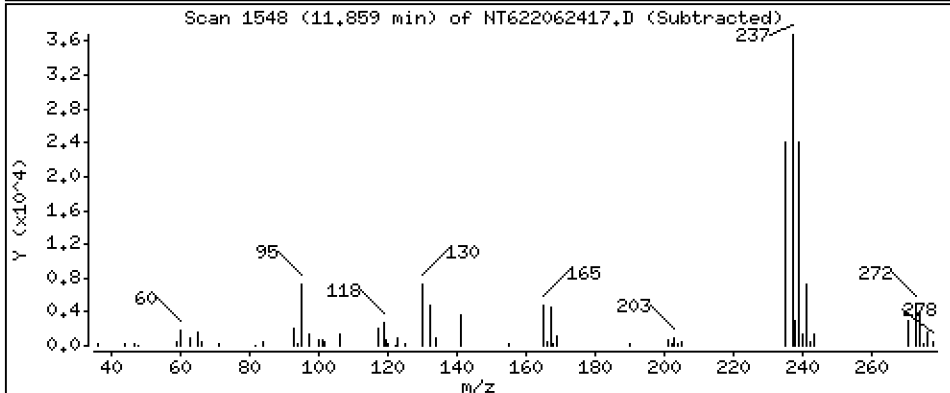
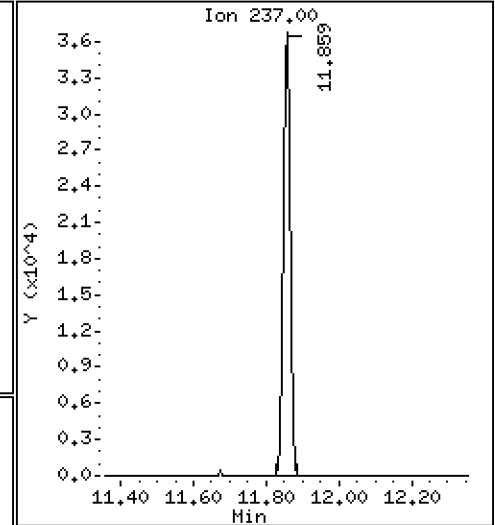
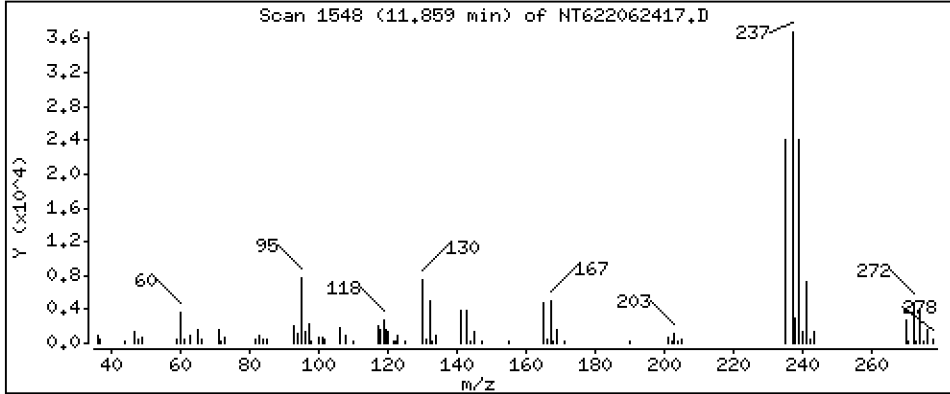
Operator: JZ

Column phase: ZB-5msi

Column diameter: 0.32

33 Hexachlorocyclopentadiene

Concentration: 20.91 ug/mL



Date : 24-JUN-2022 19:27

Client ID:

Instrument: nt6.i

Sample Info: CCV220624A

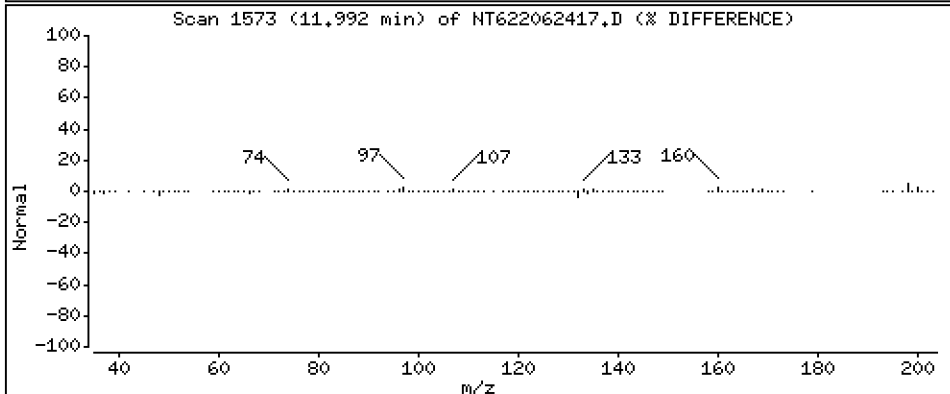
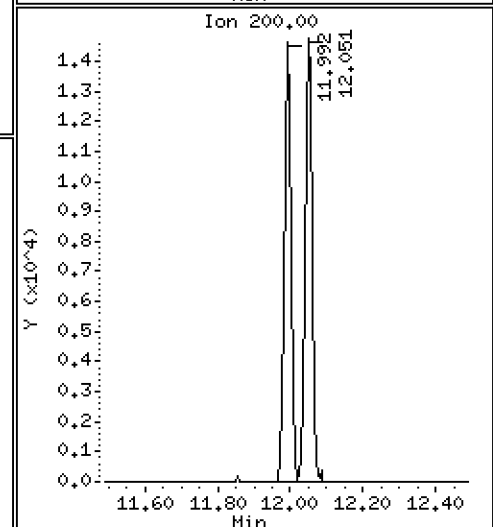
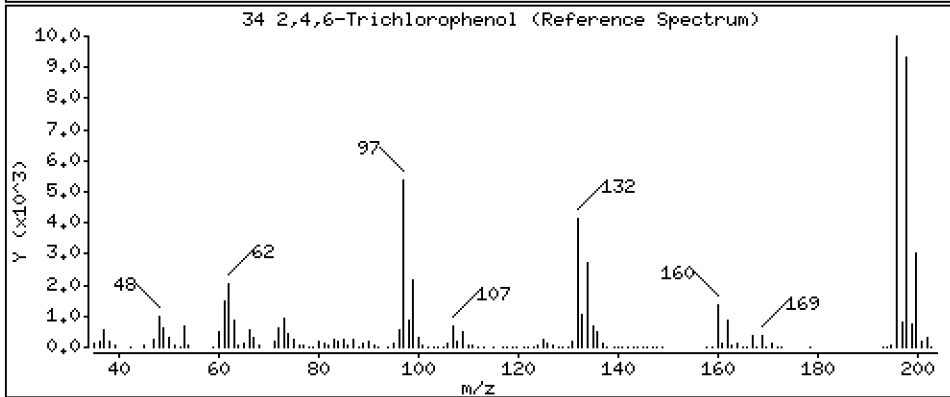
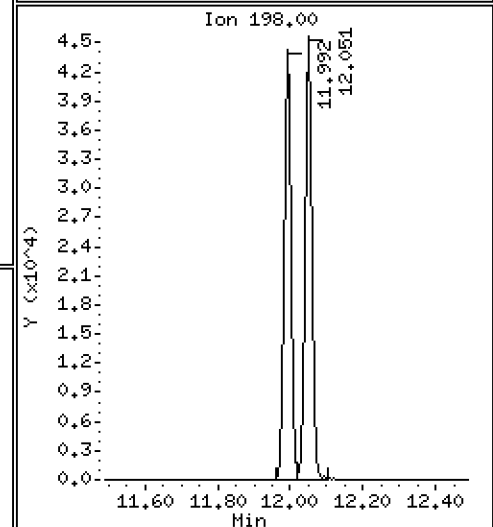
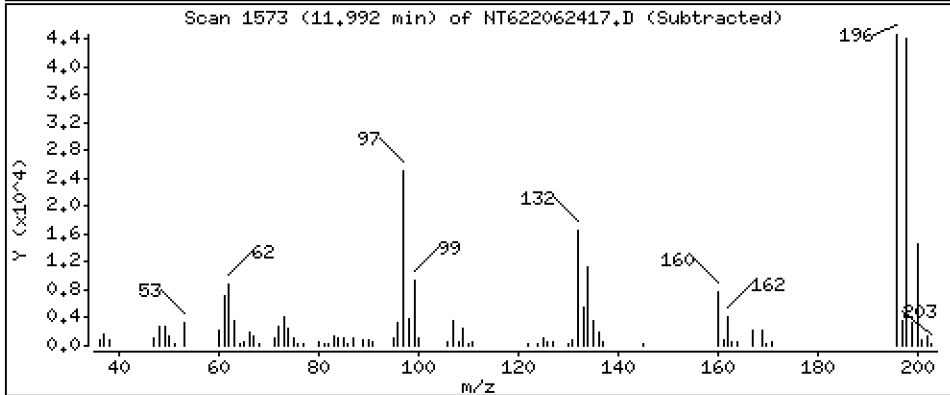
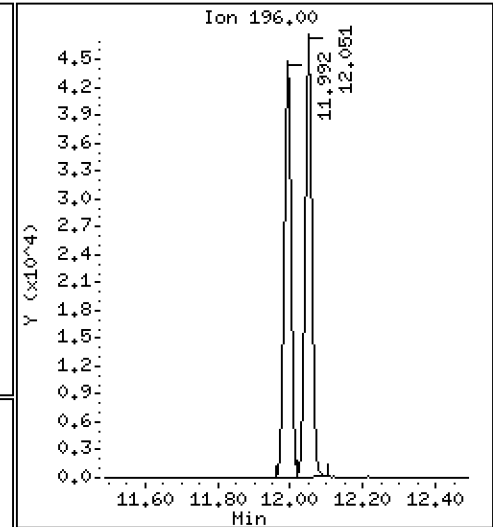
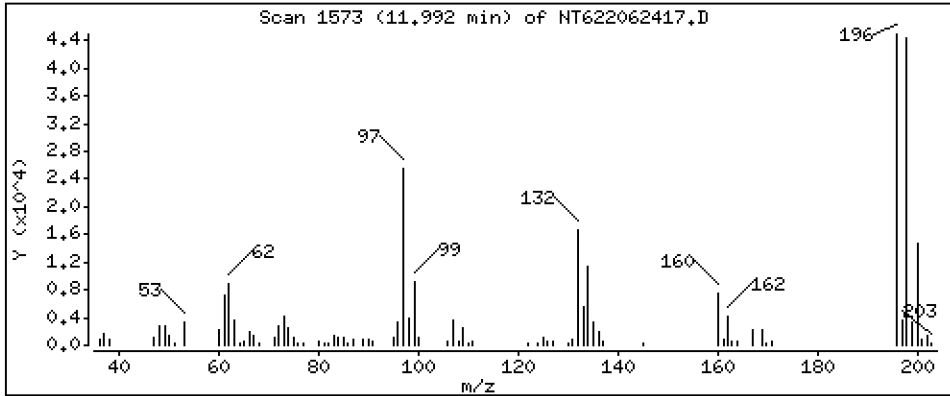
Operator: JZ

Column phase: ZB-5msi

Column diameter: 0.32

34 2,4,6-Trichlorophenol

Concentration: 24.62 ug/mL



Date : 24-JUN-2022 19:27

Client ID:

Instrument: nt6.i

Sample Info: CCV220624A

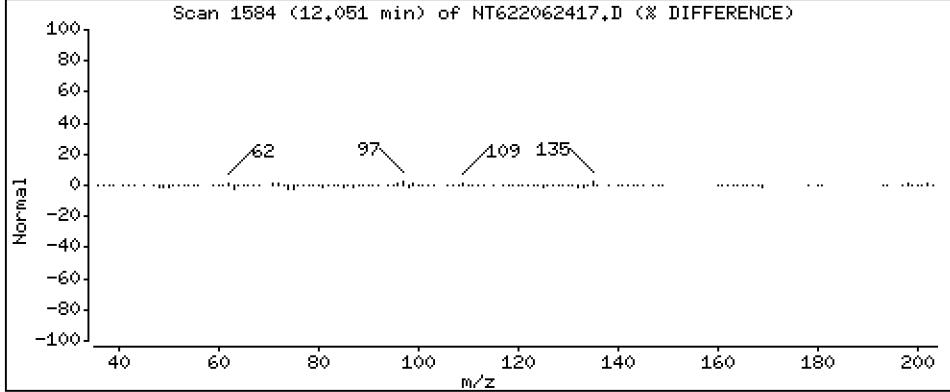
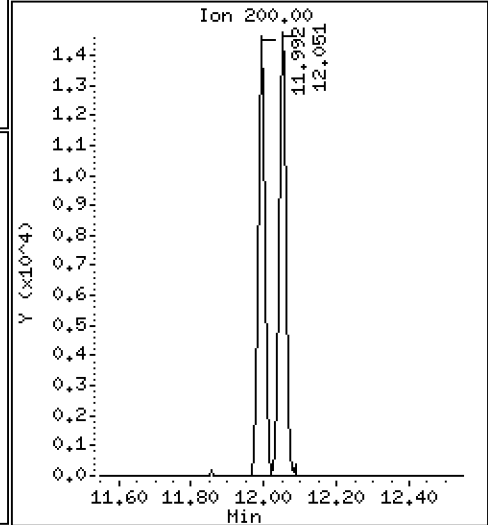
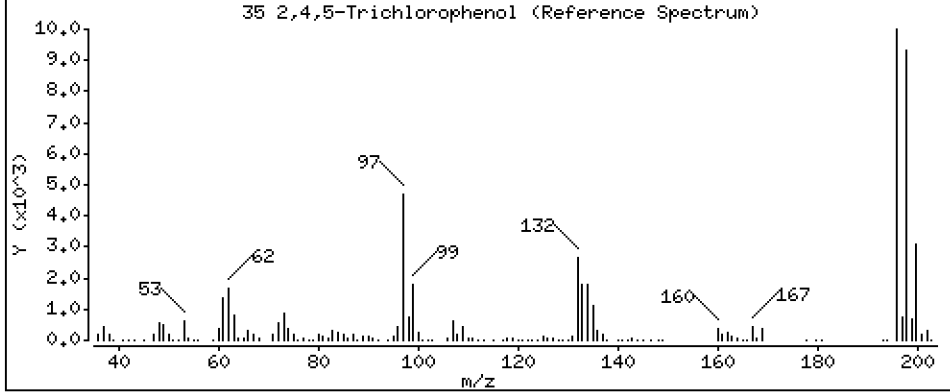
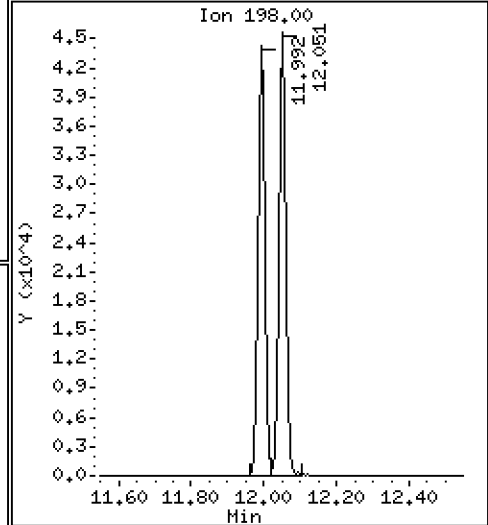
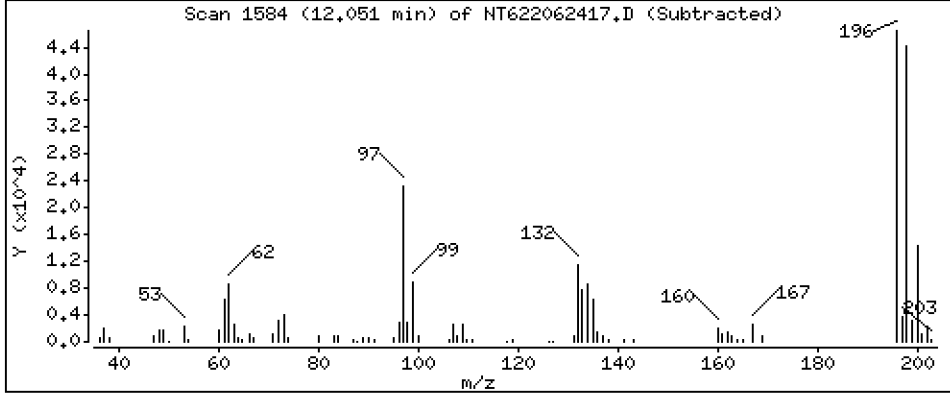
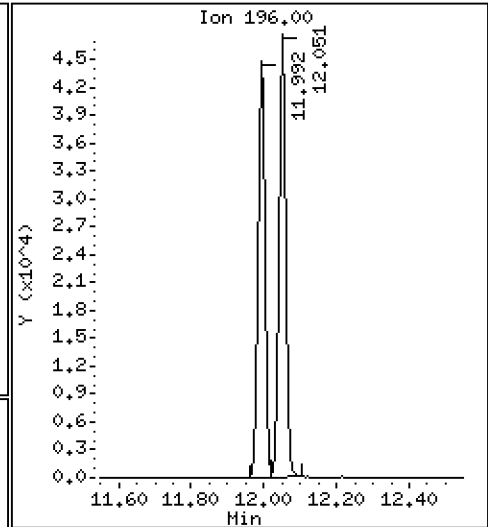
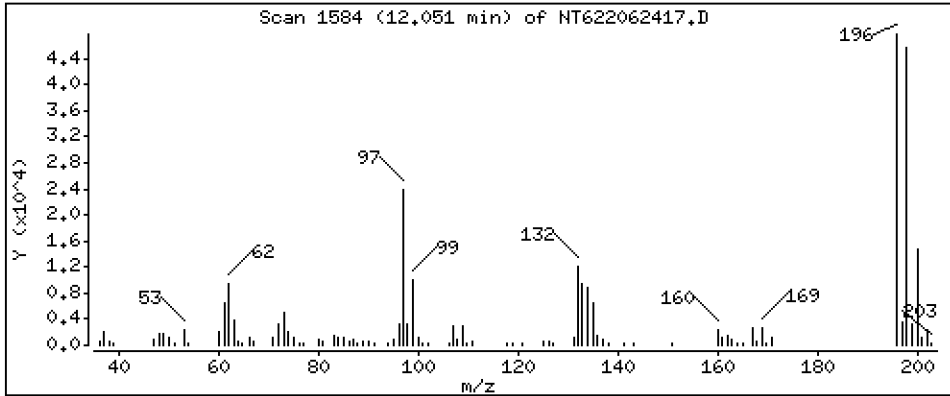
Operator: JZ

Column phase: ZB-5msi

Column diameter: 0.32

35 2,4,5-Trichlorophenol

Concentration: 23,81 ug/mL



Date : 24-JUN-2022 19:27

Client ID:

Instrument: nt6.i

Sample Info: CCV220624A

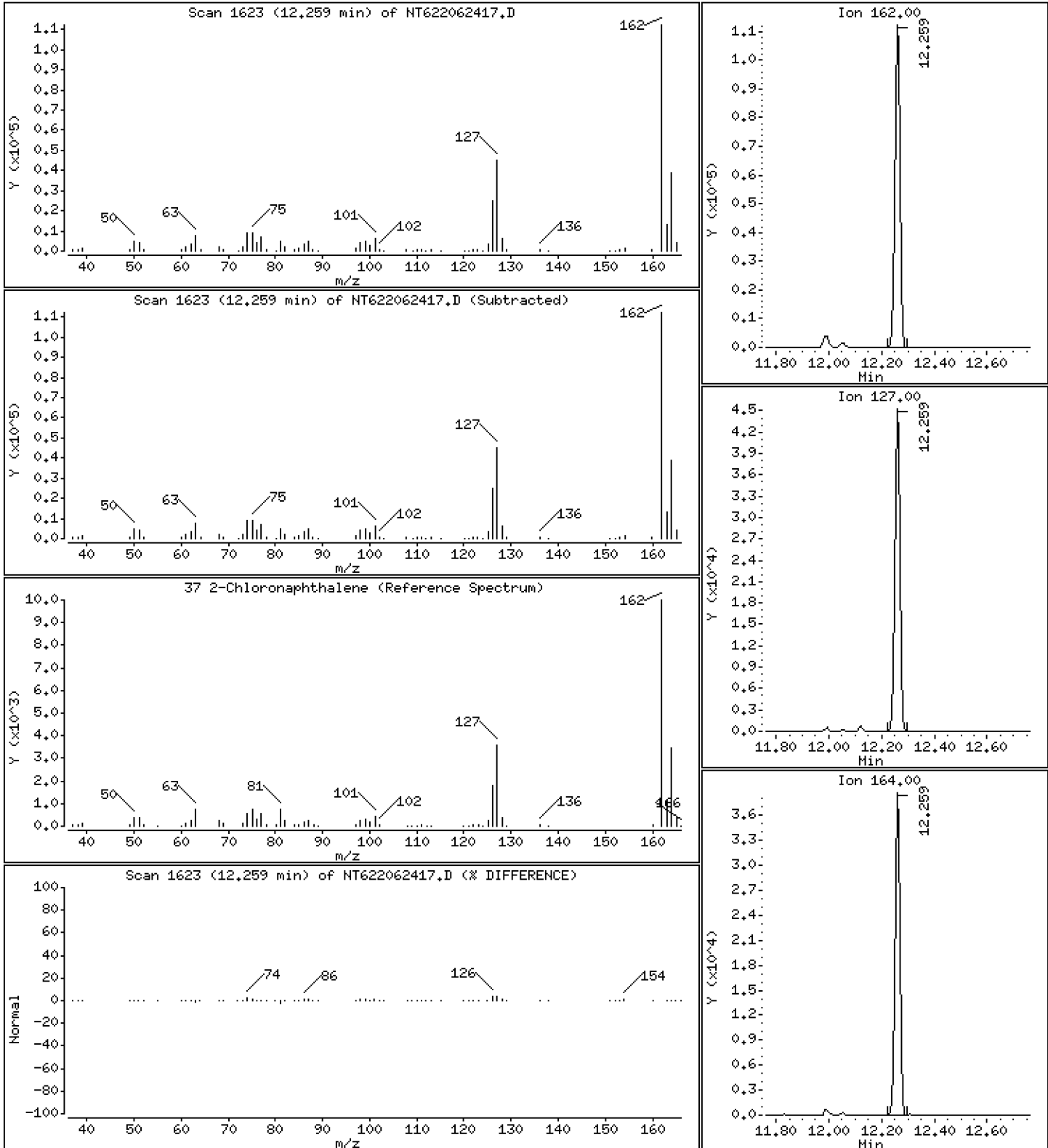
Operator: JZ

Column phase: ZB-5msi

Column diameter: 0.32

37 2-Chloronaphthalene

Concentration: 23.77 ug/mL



Date : 24-JUN-2022 19:27

Client ID:

Instrument: nt6.i

Sample Info: CCV220624A

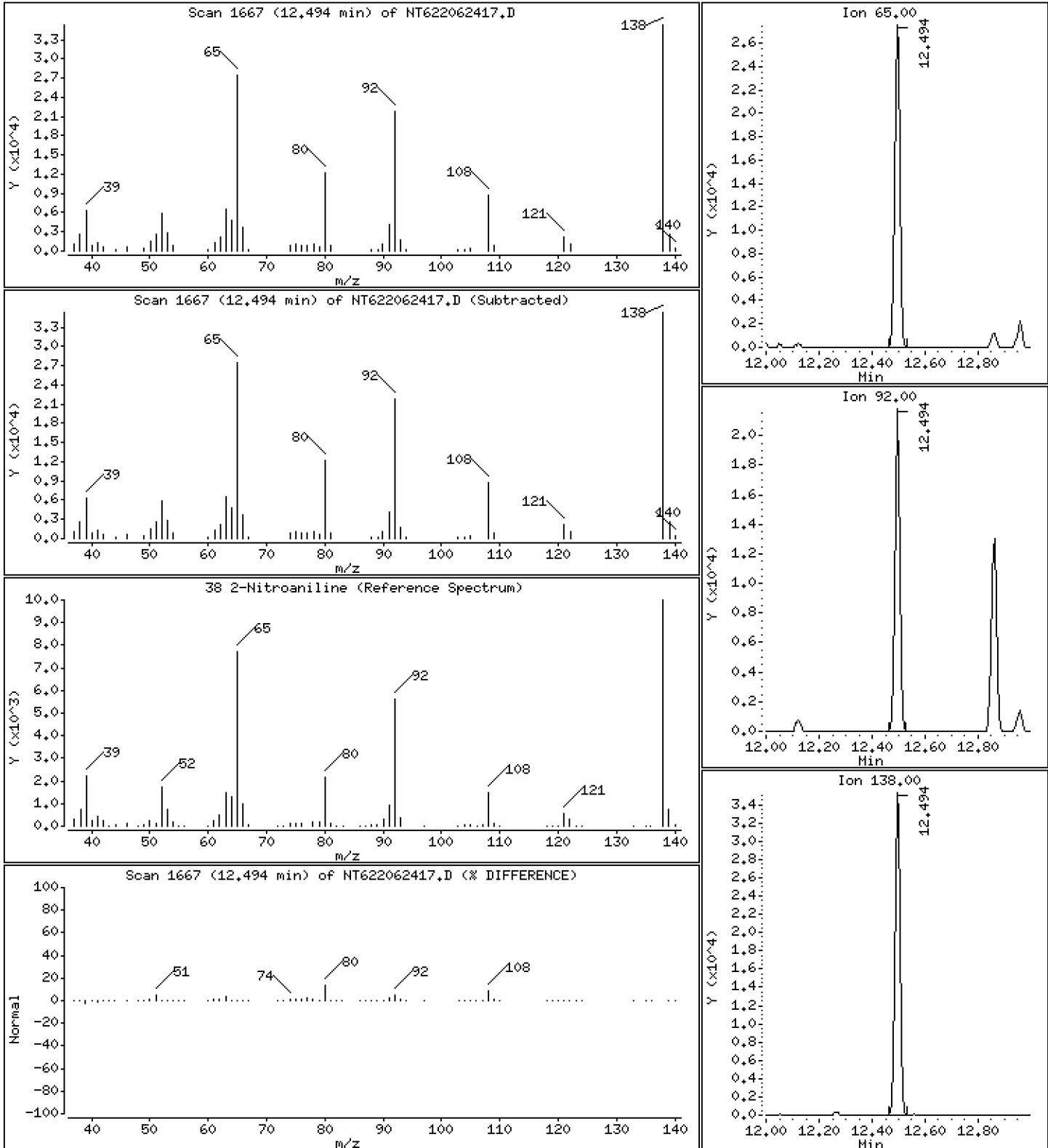
Operator: JZ

Column phase: ZB-5msi

Column diameter: 0.32

38 2-Nitroaniline

Concentration: 23.84 ug/mL



Date : 24-JUN-2022 19:27

Client ID:

Instrument: nt6.i

Sample Info: CCV220624A

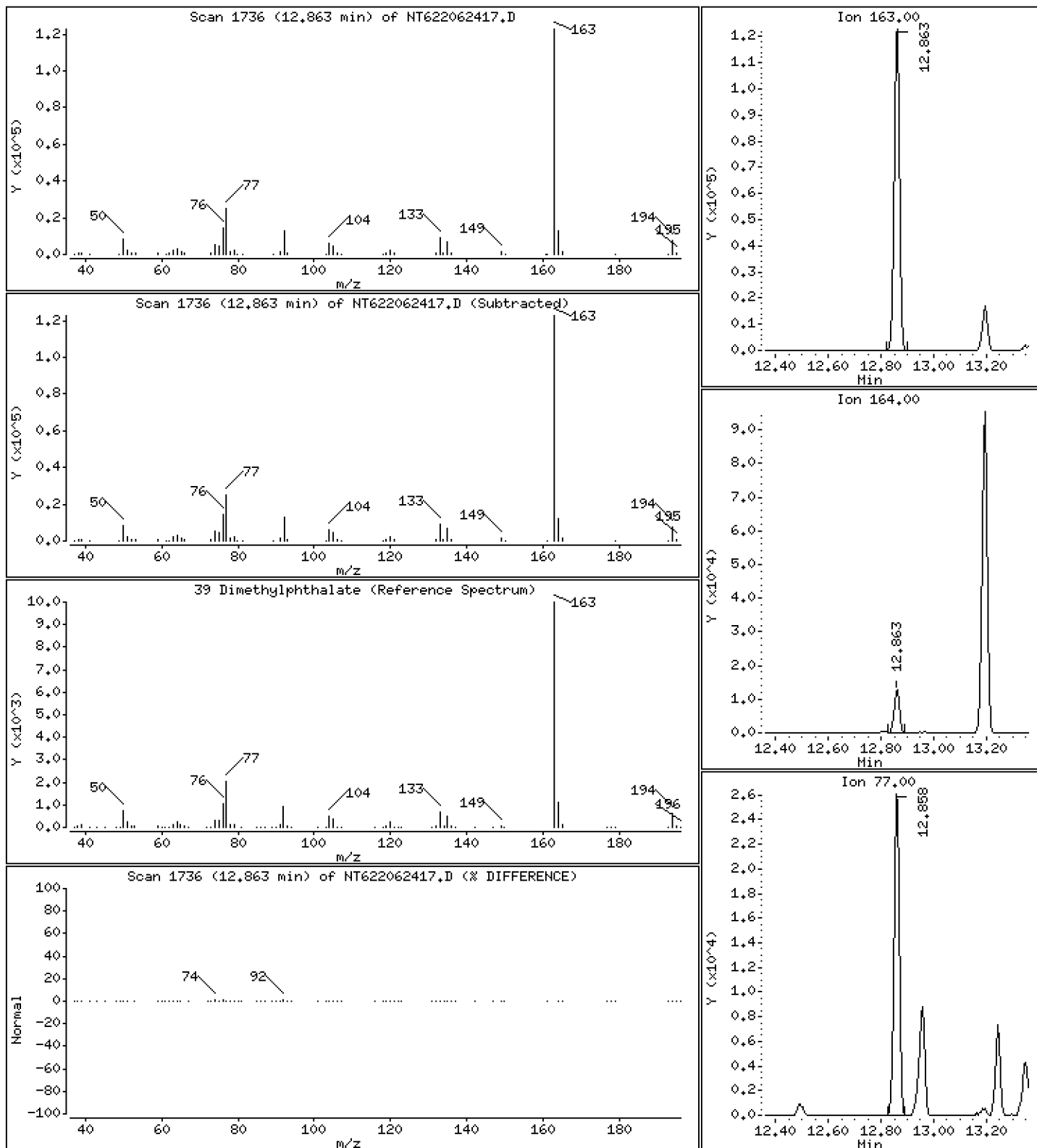
Operator: JZ

Column phase: ZB-5msi

Column diameter: 0.32

39 Dimethylphthalate

Concentration: 25.34 ug/mL



Date : 24-JUN-2022 19:27

Client ID:

Instrument: nt6.i

Sample Info: CCV220624A

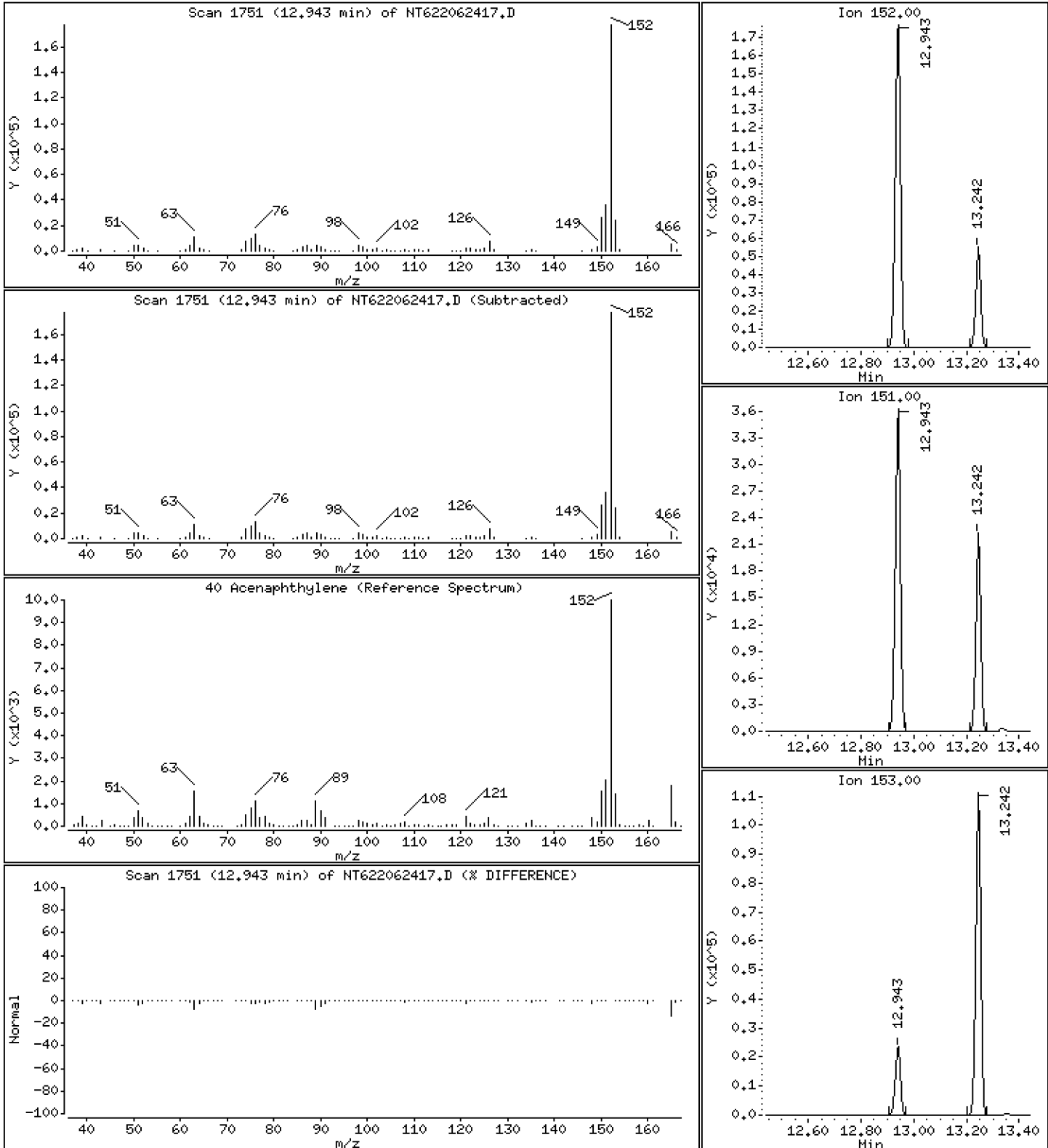
Operator: JZ

Column phase: ZB-5msi

Column diameter: 0.32

40 Acenaphthylene

Concentration: 24.17 ug/mL



Date : 24-JUN-2022 19:27

Client ID:

Instrument: nt6.i

Sample Info: CCV220624A

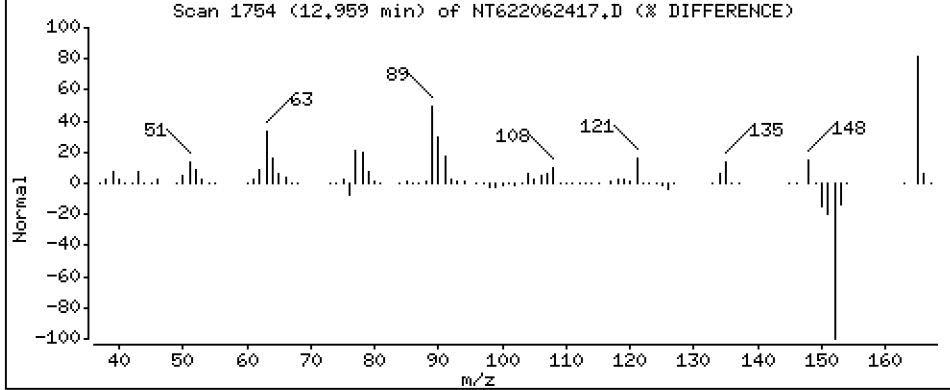
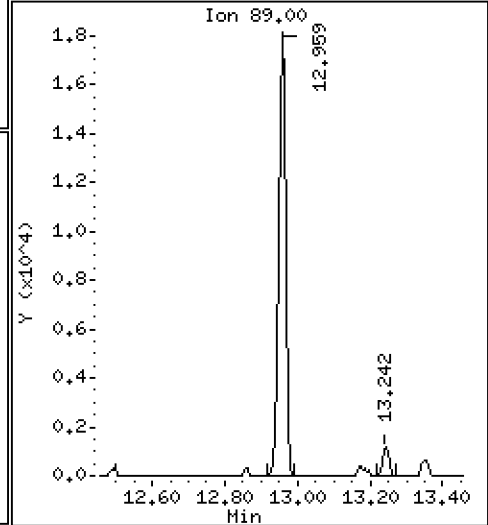
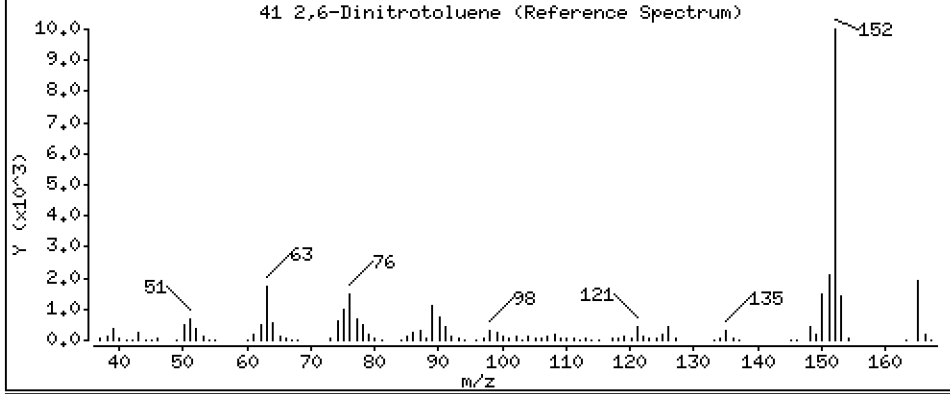
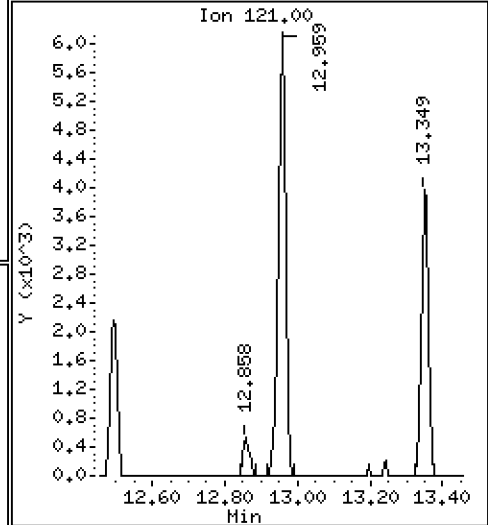
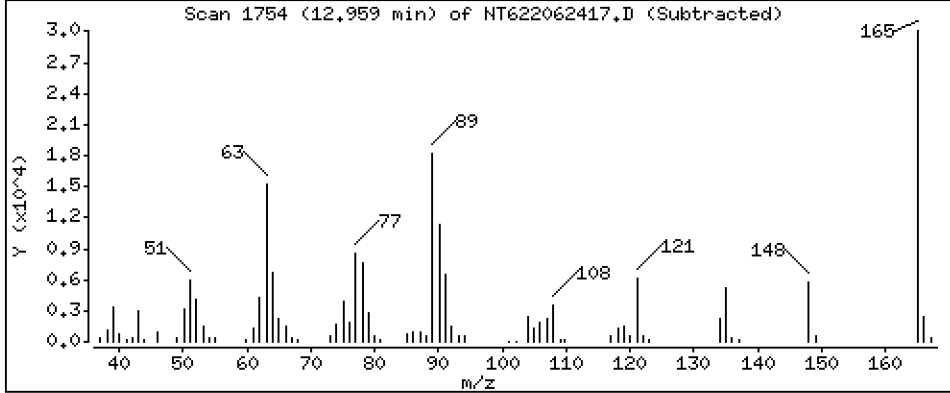
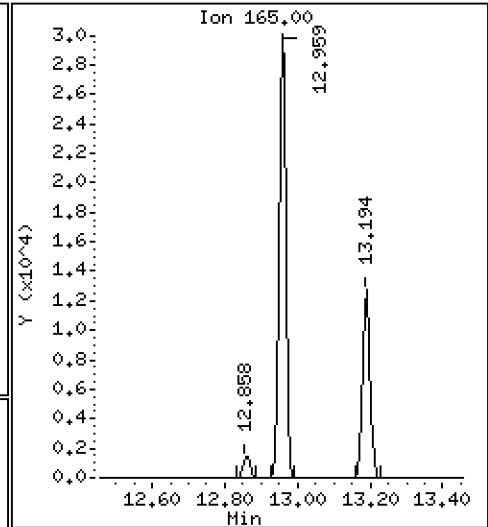
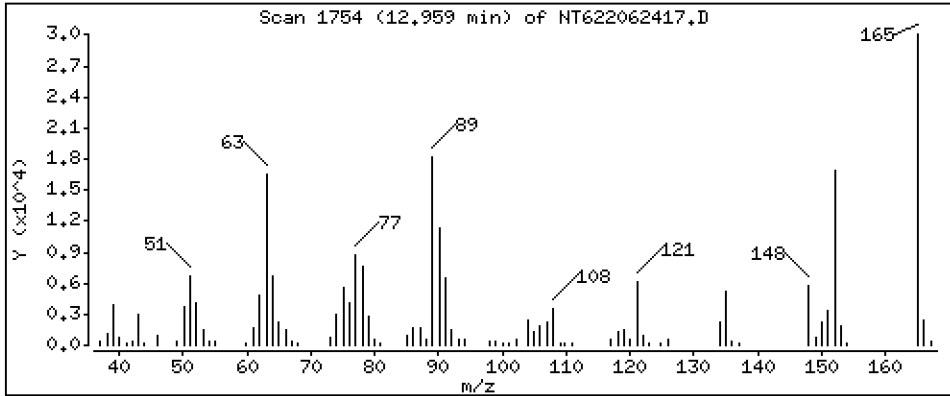
Operator: JZ

Column phase: ZB-5msi

Column diameter: 0.32

41 2,6-Dinitrotoluene

Concentration: 24.98 ug/mL



Date : 24-JUN-2022 19:27

Client ID:

Instrument: nt6.i

Sample Info: CCV220624A

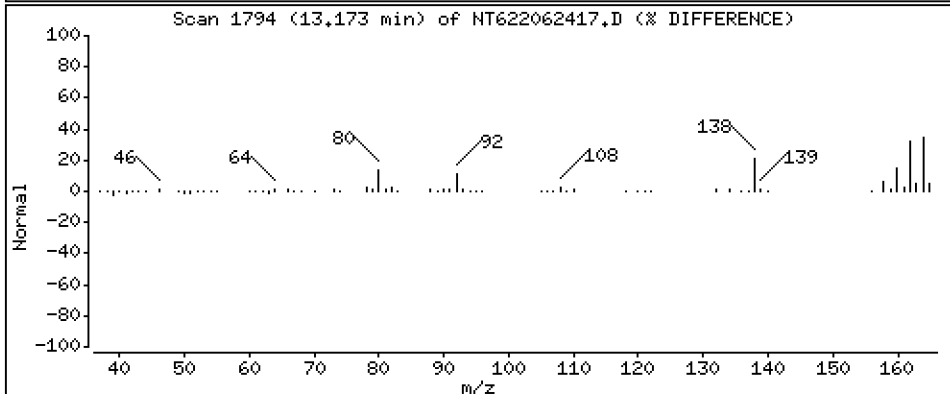
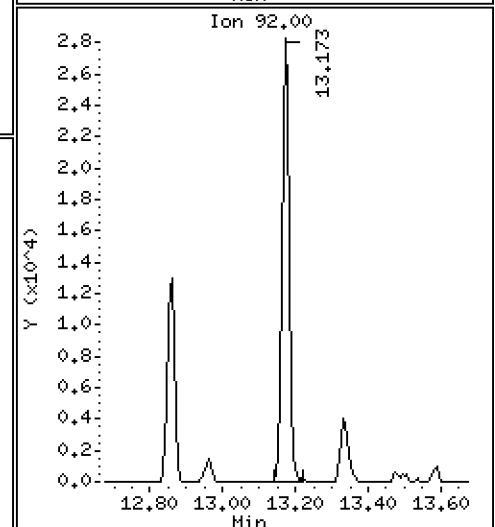
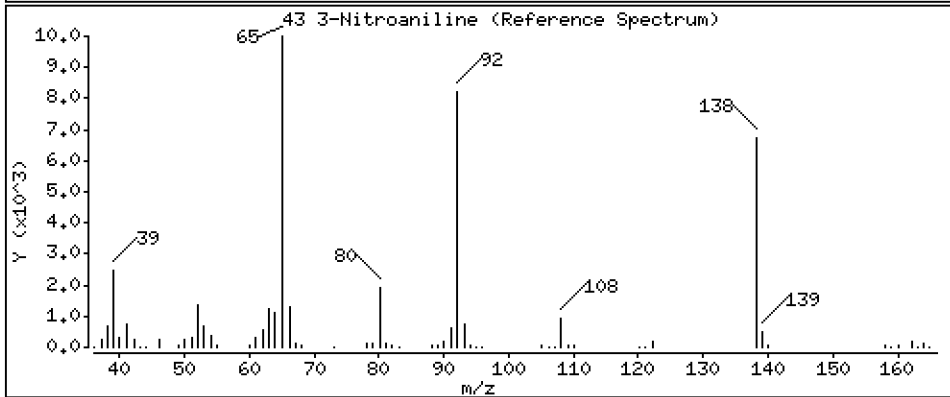
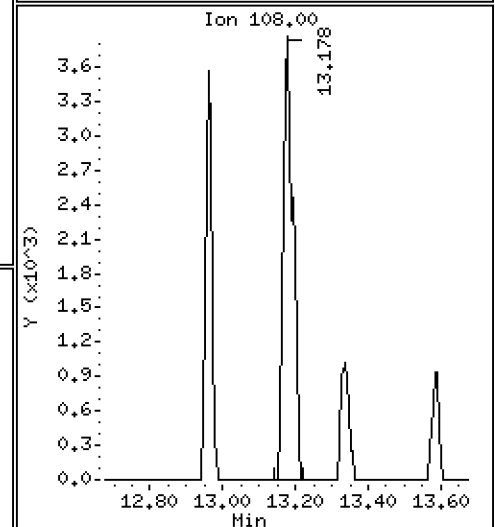
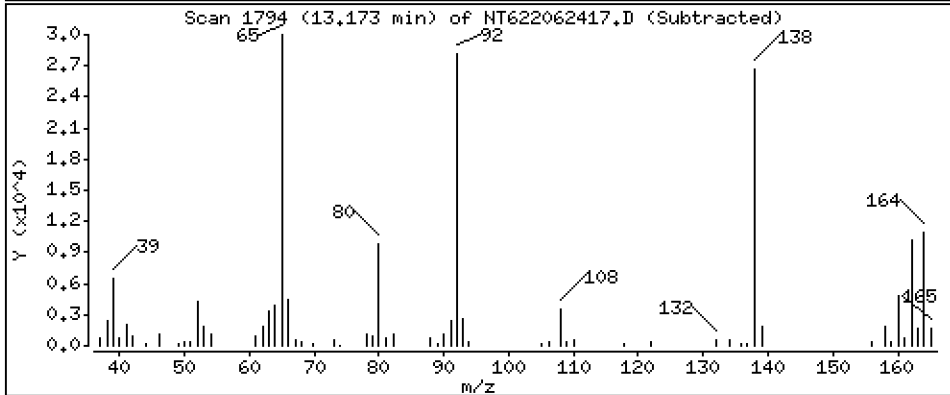
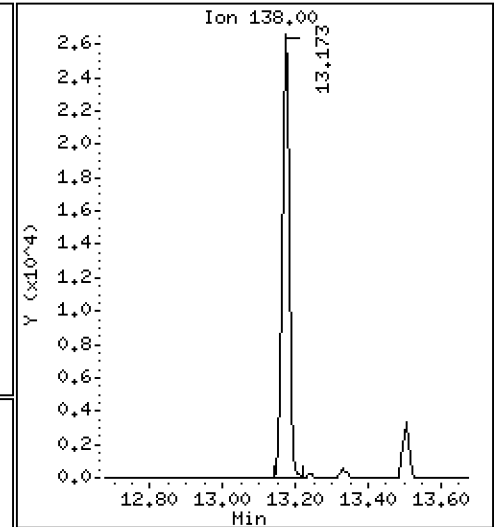
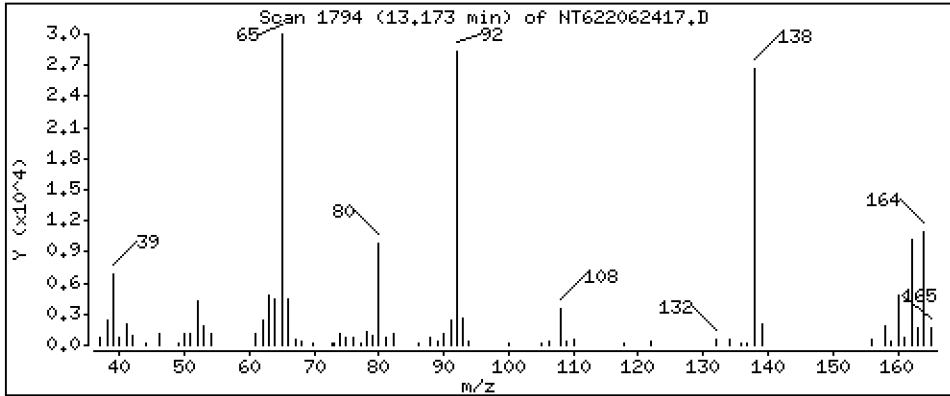
Operator: JZ

Column phase: ZB-5msi

Column diameter: 0.32

43 3-Nitroaniline

Concentration: 23,57 ug/mL



Date : 24-JUN-2022 19:27

Client ID:

Instrument: nt6.i

Sample Info: CCV220624A

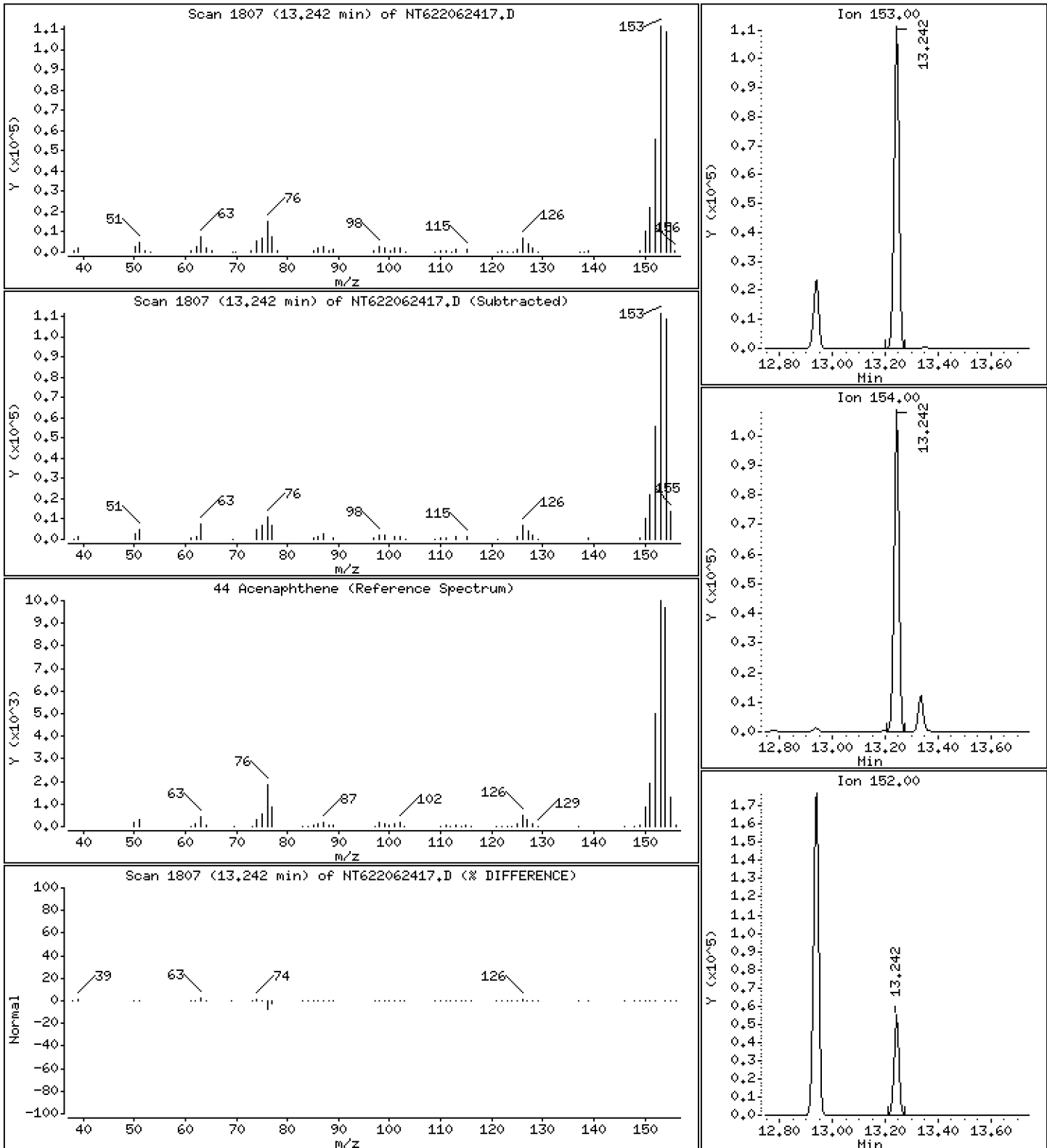
Operator: JZ

Column phase: ZB-5msi

Column diameter: 0.32

44 Acenaphthene

Concentration: 24.04 ug/mL



Date : 24-JUN-2022 19:27

Client ID:

Instrument: nt6.i

Sample Info: CCV220624A

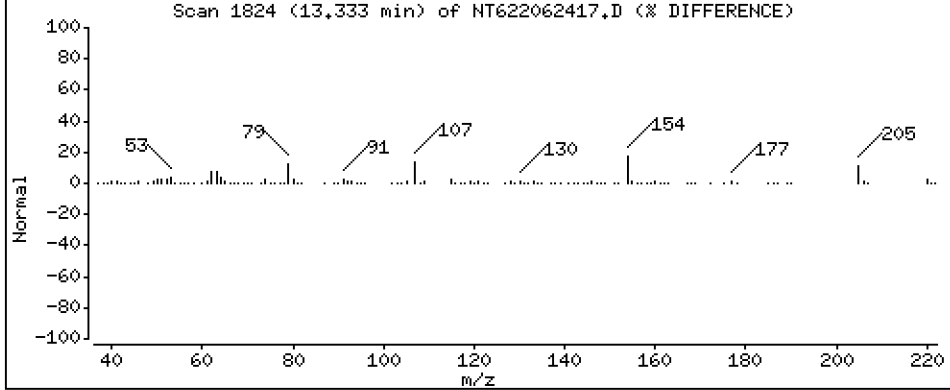
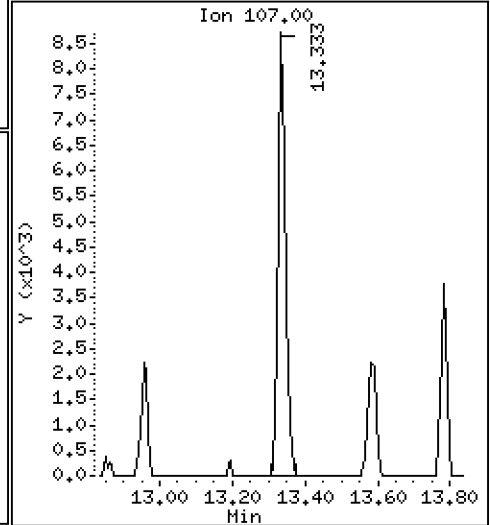
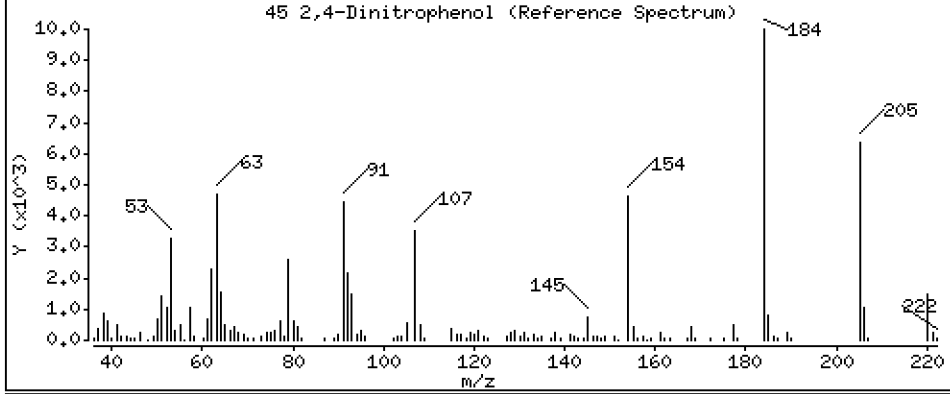
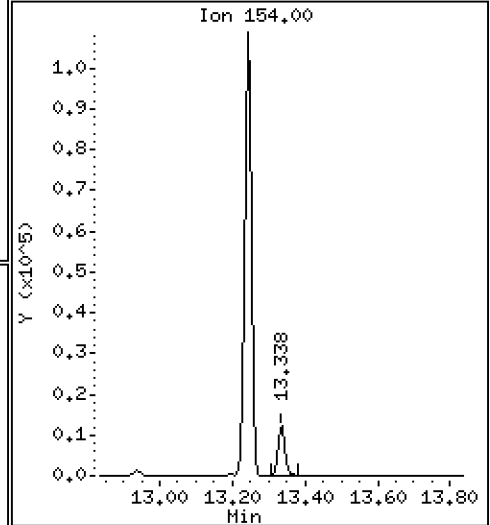
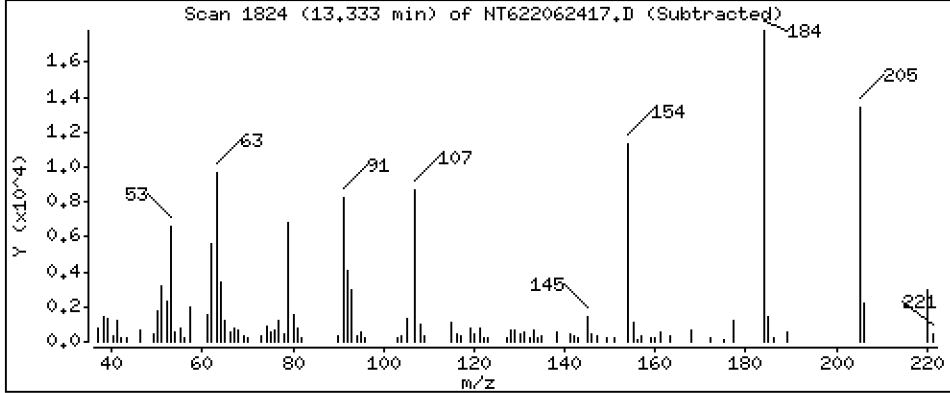
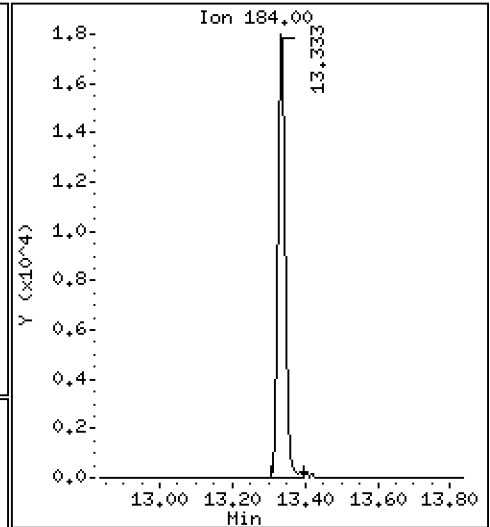
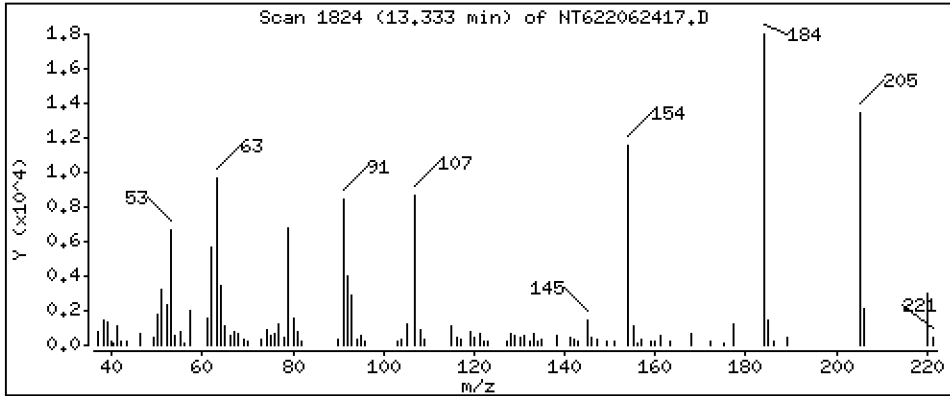
Operator: JZ

Column phase: ZB-5msi

Column diameter: 0.32

45 2,4-Dinitrophenol

Concentration: 27.64 ug/mL



Date : 24-JUN-2022 19:27

Client ID:

Instrument: nt6.i

Sample Info: CCV220624A

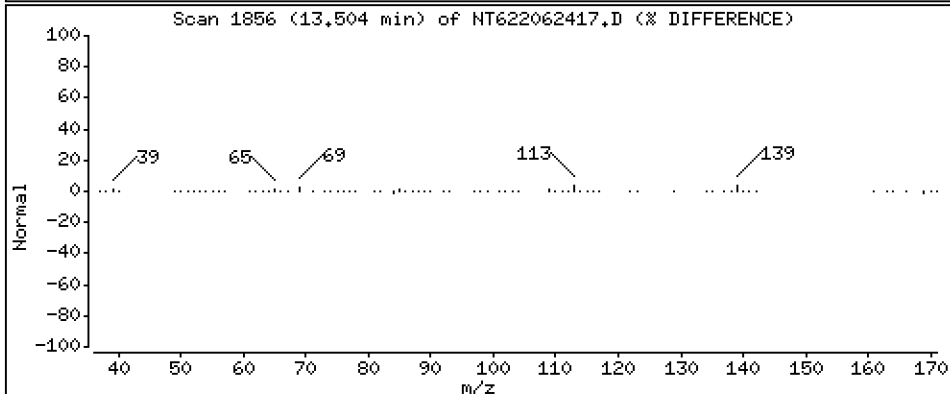
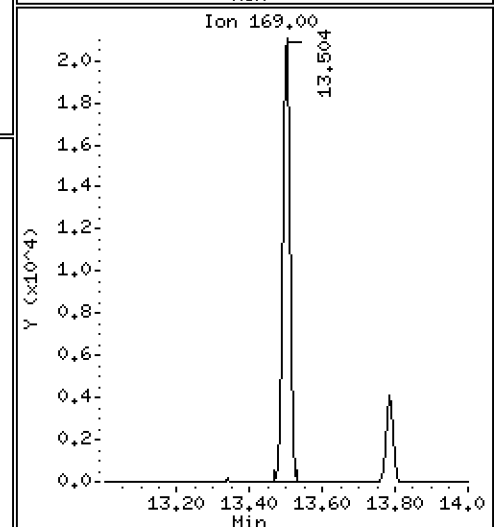
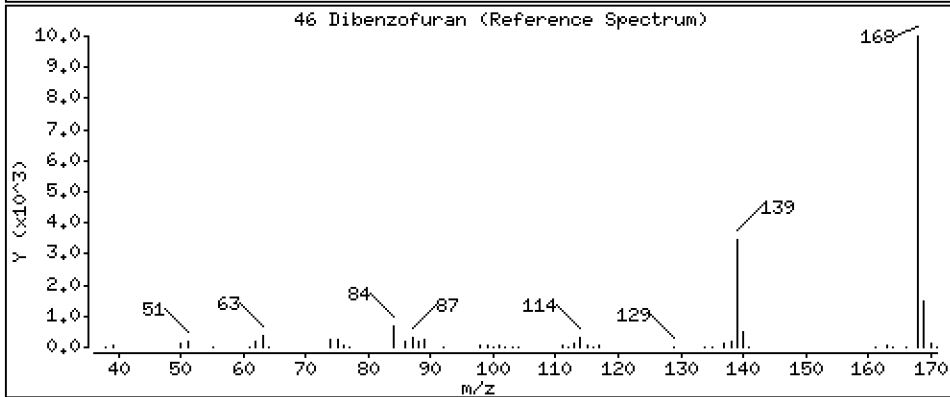
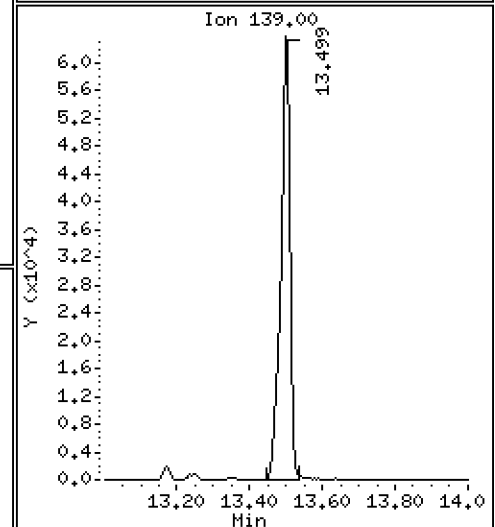
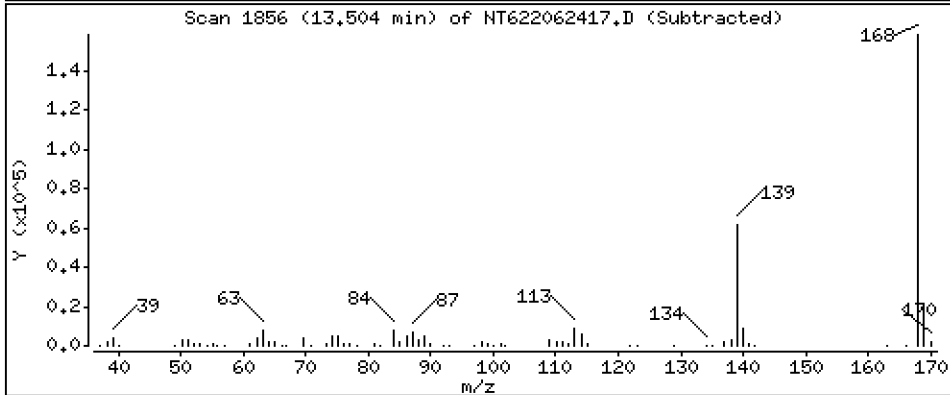
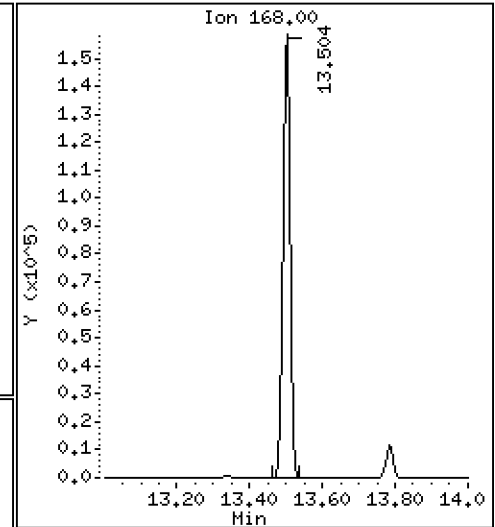
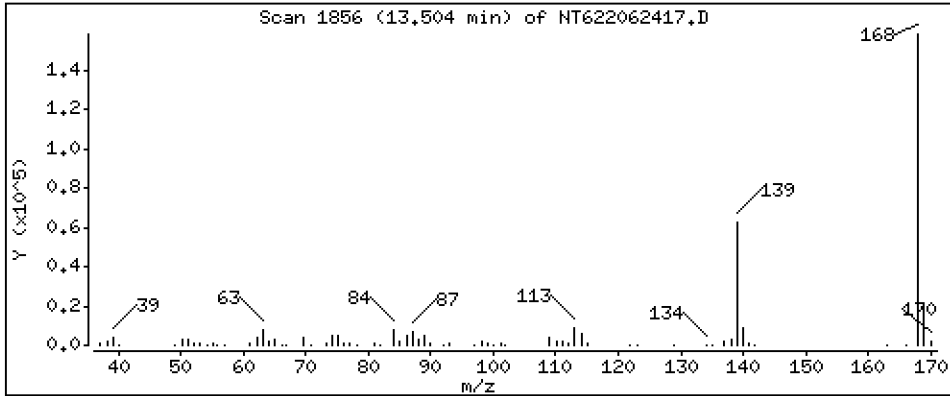
Operator: JZ

Column phase: ZB-5msi

Column diameter: 0.32

46 Dibenzofuran

Concentration: 24.80 ug/mL



Date : 24-JUN-2022 19:27

Client ID:

Instrument: nt6.i

Sample Info: CCV220624A

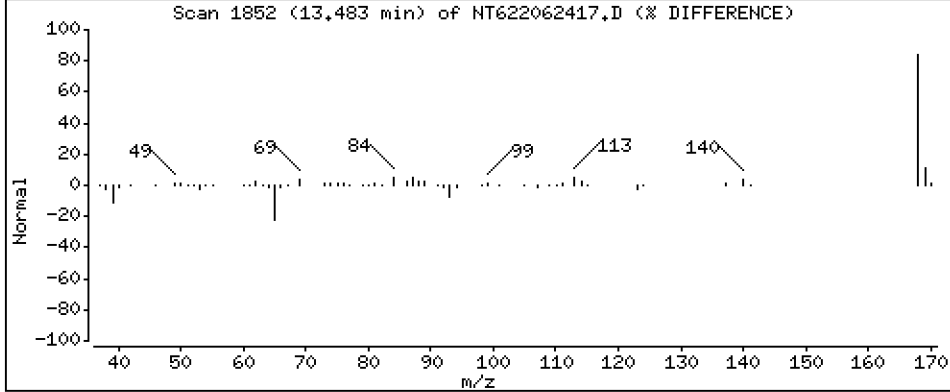
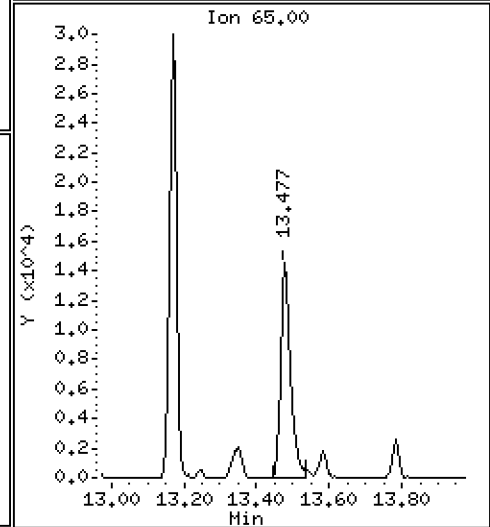
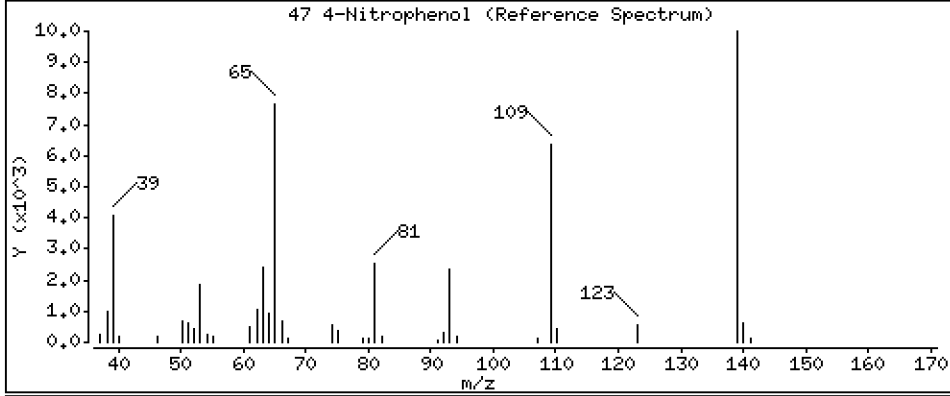
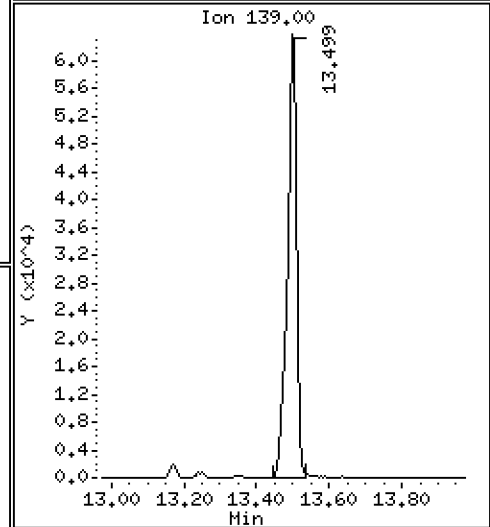
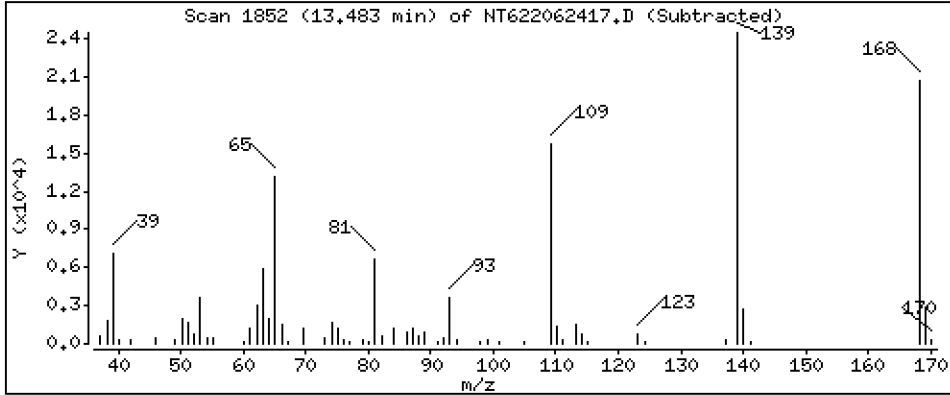
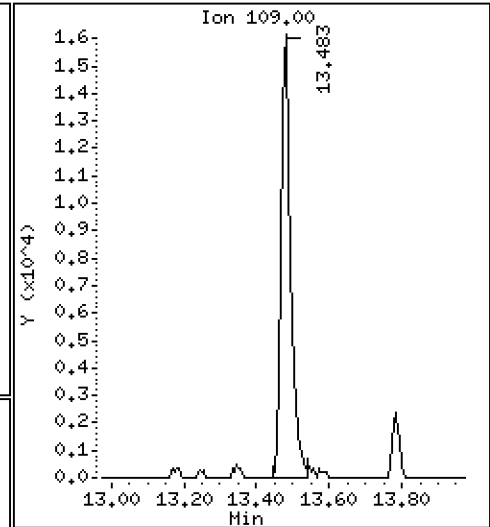
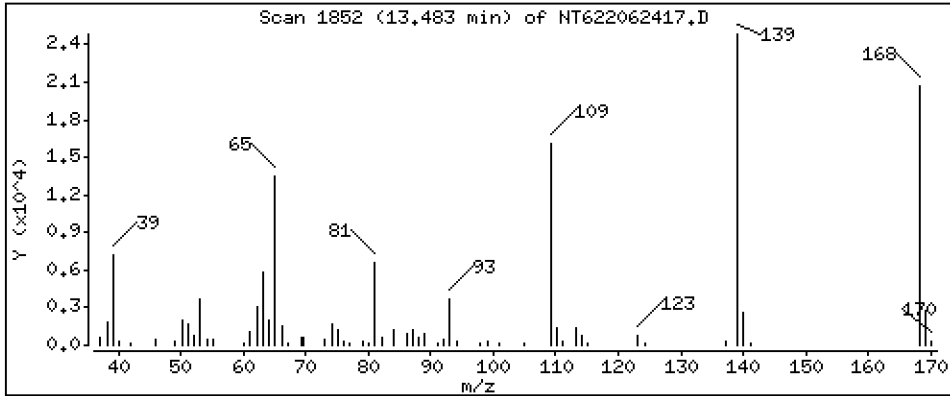
Operator: JZ

Column phase: ZB-5msi

Column diameter: 0.32

47 4-Nitrophenol

Concentration: 27,14 ug/mL



Date : 24-JUN-2022 19:27

Client ID:

Instrument: nt6.i

Sample Info: CCV220624A

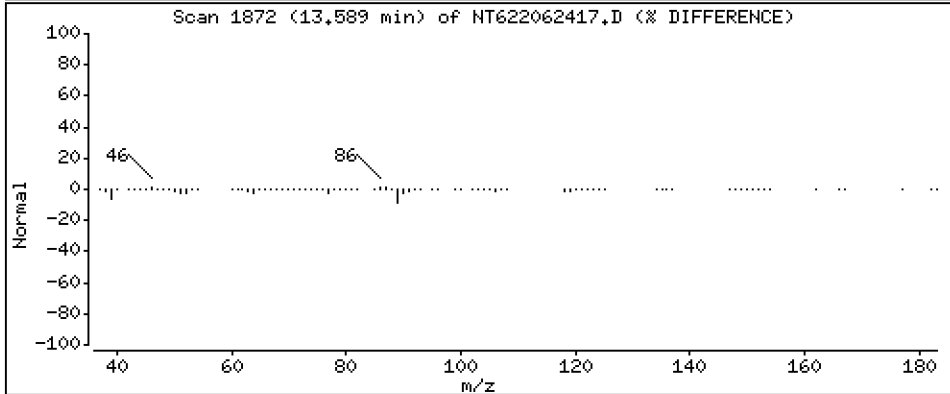
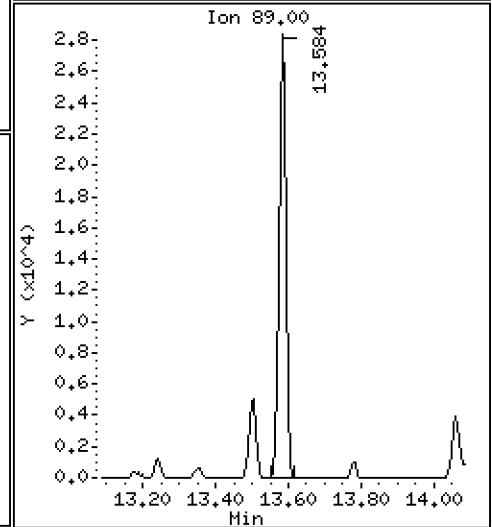
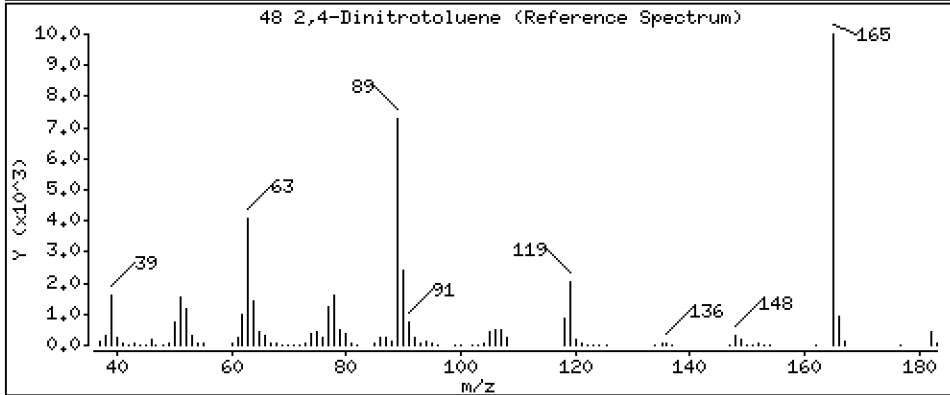
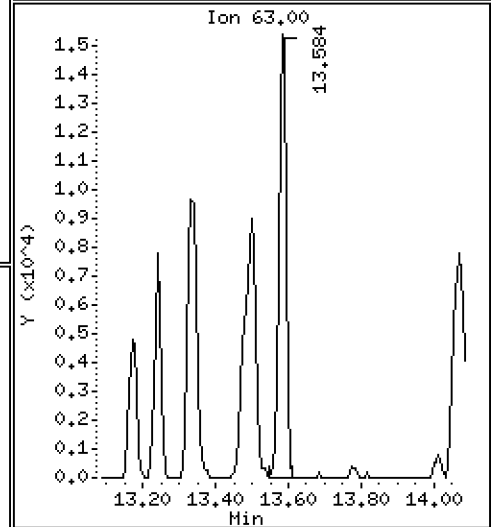
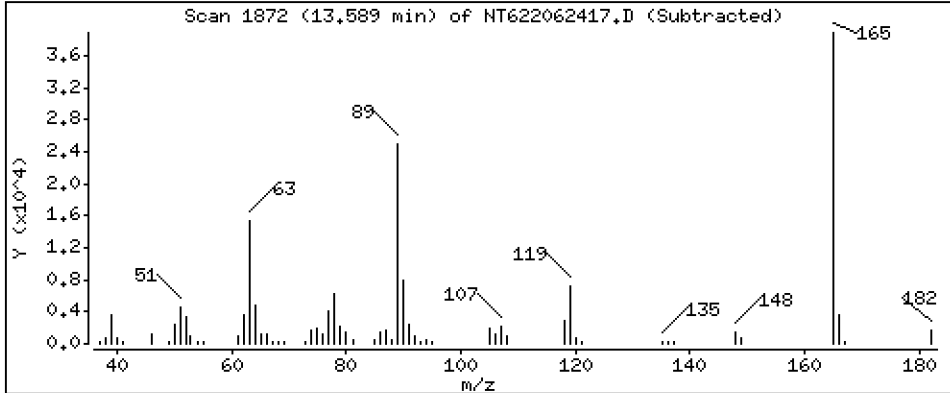
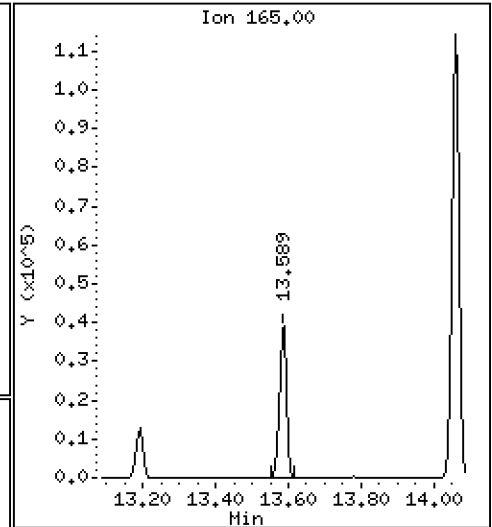
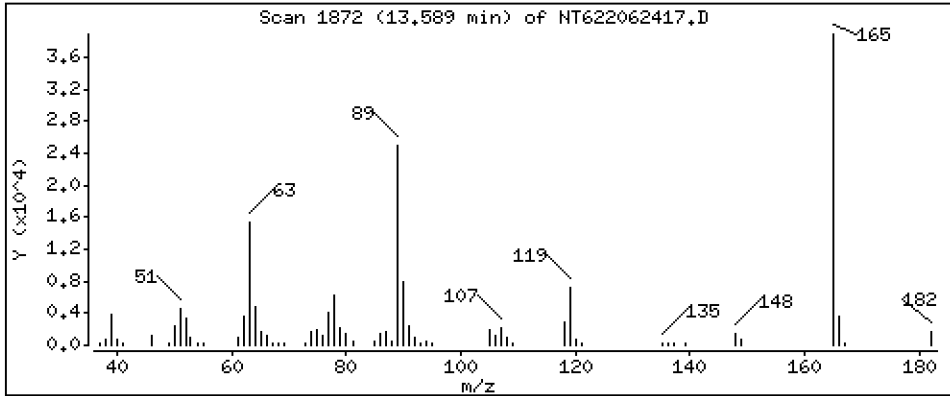
Operator: JZ

Column phase: ZB-5msi

Column diameter: 0.32

48 2,4-Dinitrotoluene

Concentration: 25.93 ug/mL



Date : 24-JUN-2022 19:27

Client ID:

Instrument: nt6.i

Sample Info: CCV220624A

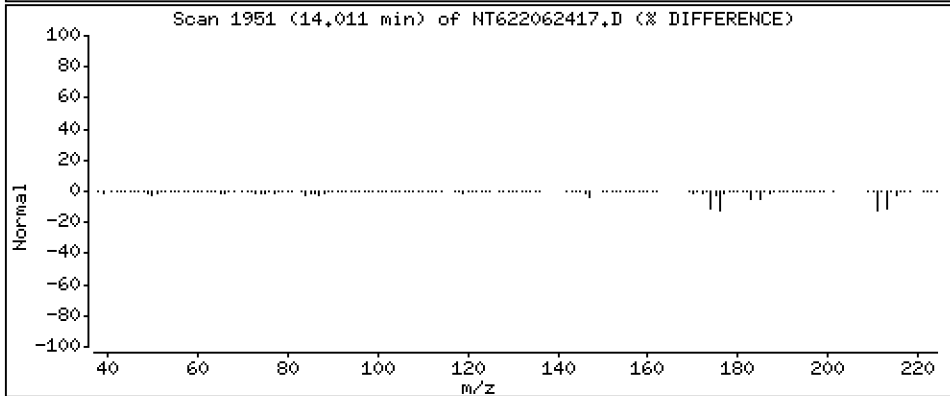
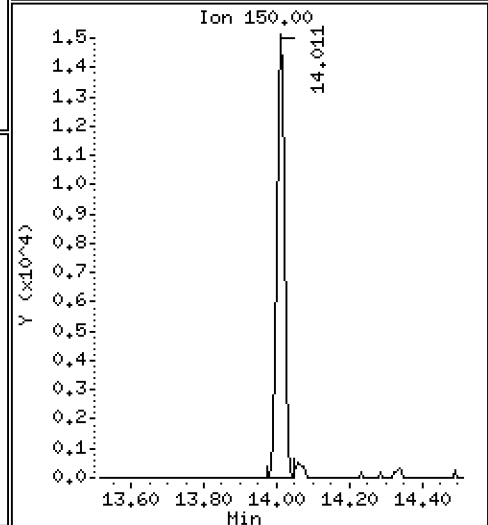
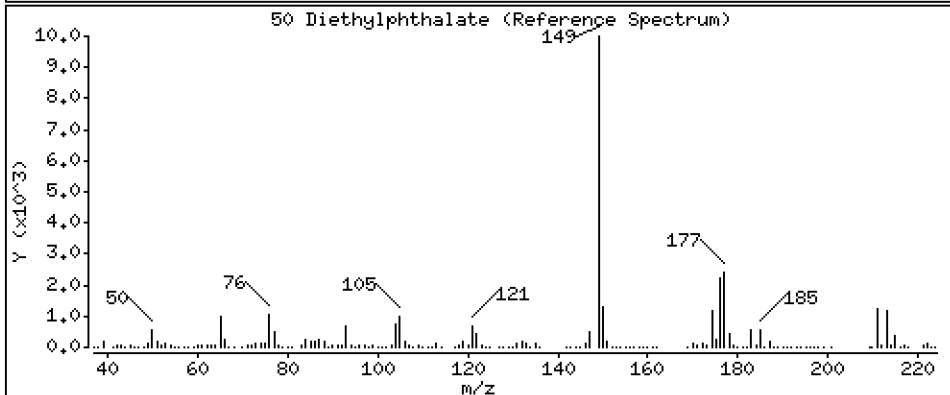
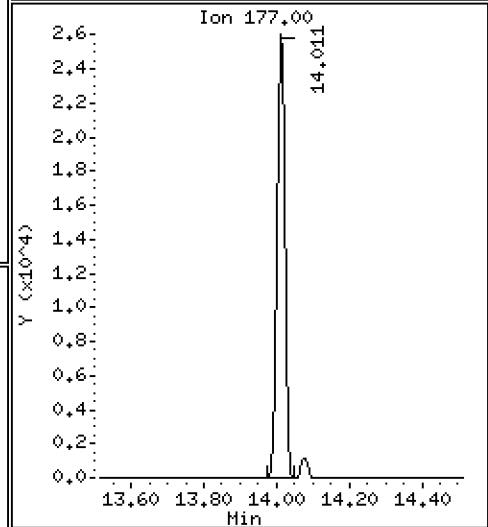
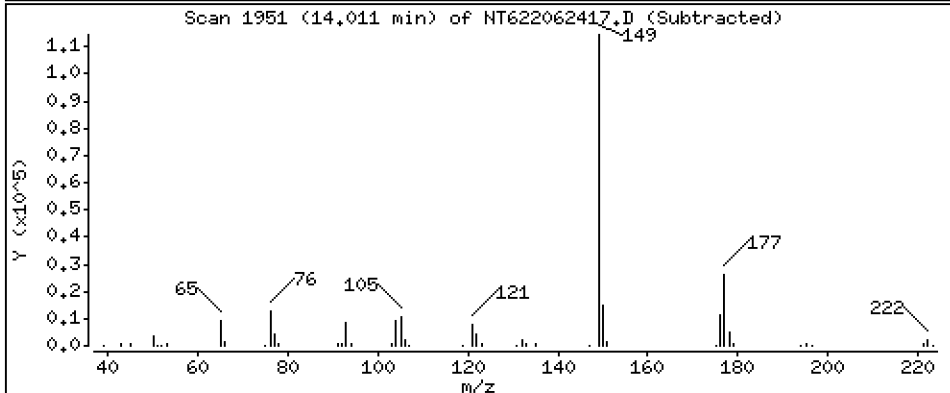
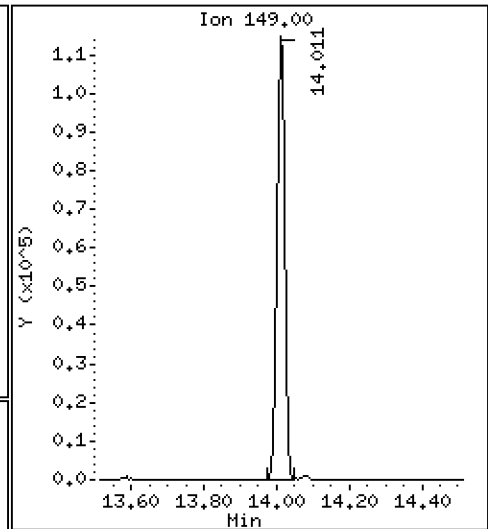
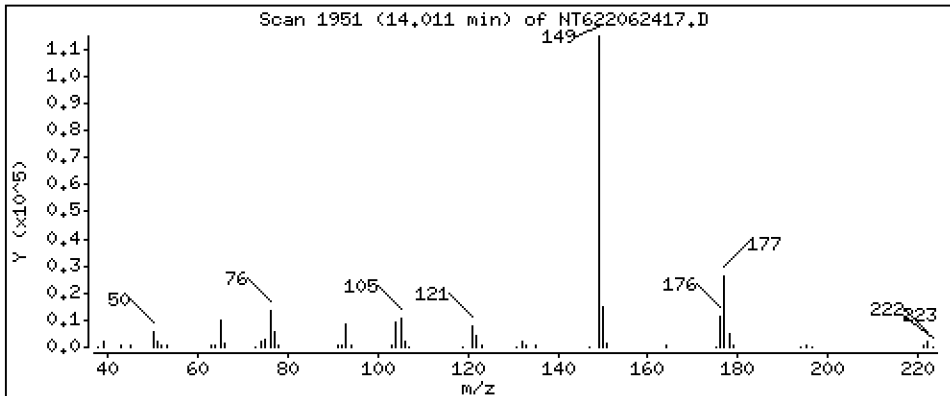
Operator: JZ

Column phase: ZB-5msi

Column diameter: 0.32

50 Diethylphthalate

Concentration: 26.01 ug/mL



Date : 24-JUN-2022 19:27

Client ID:

Instrument: nt6.i

Sample Info: CCV220624A

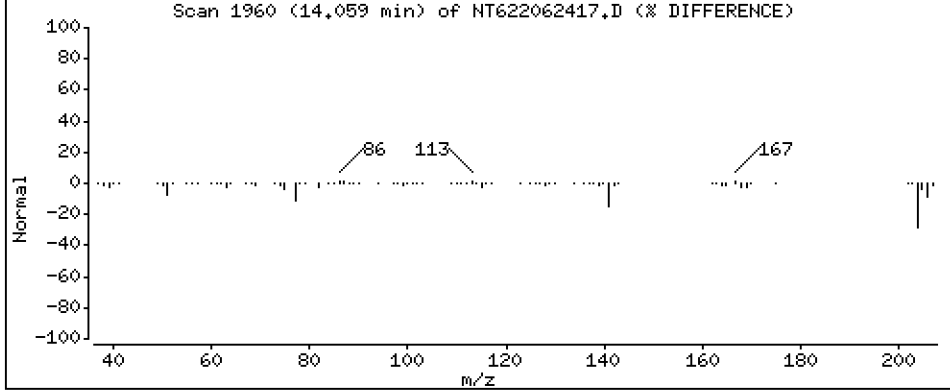
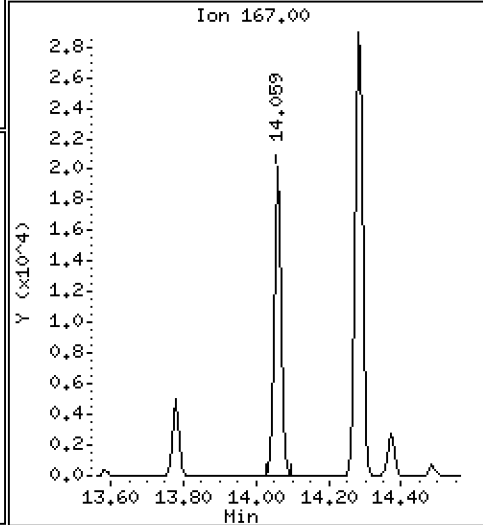
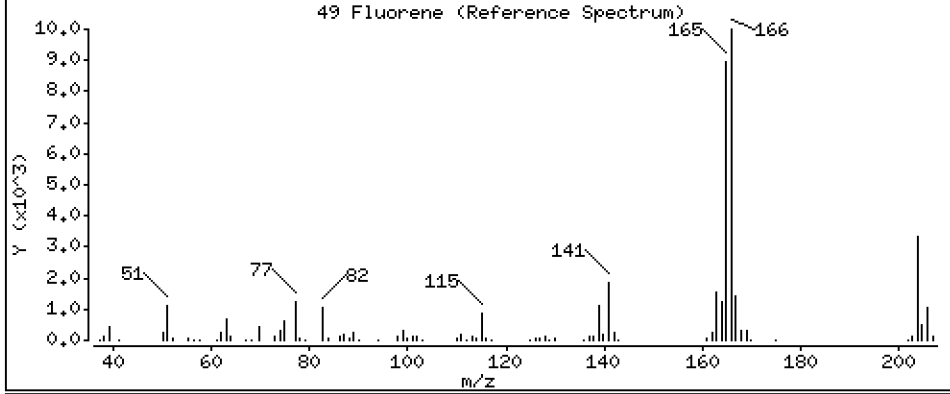
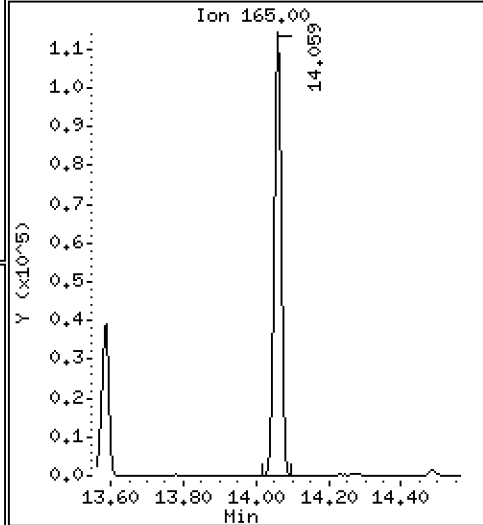
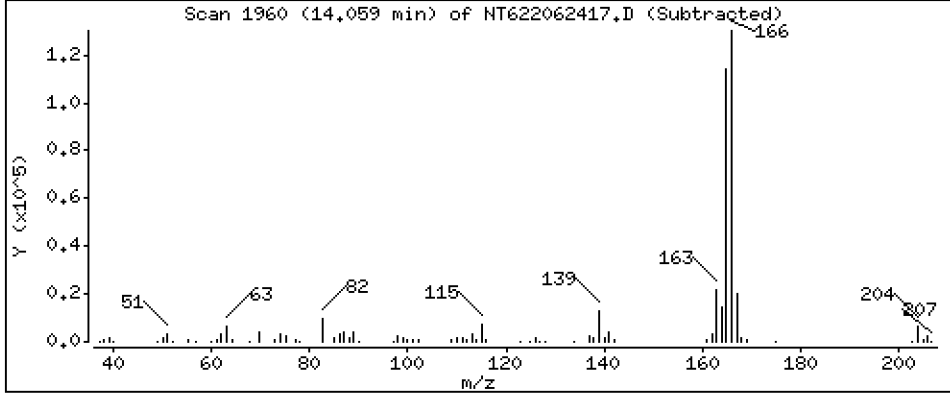
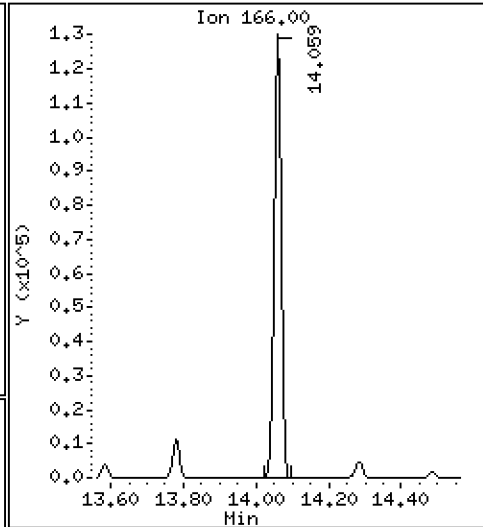
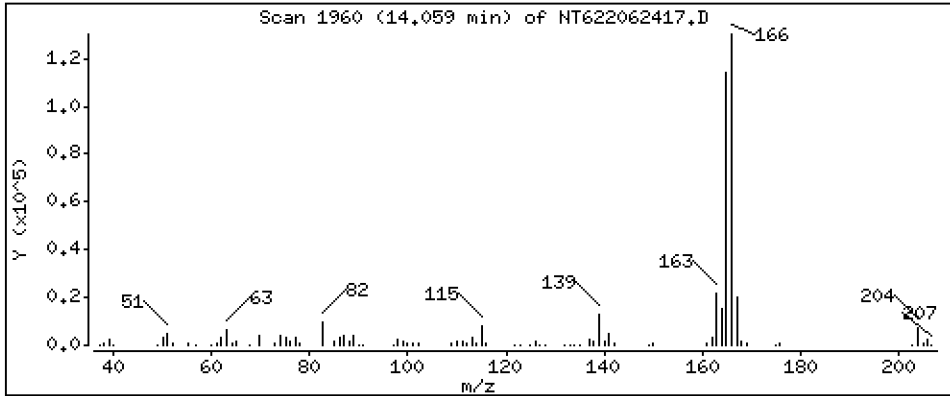
Operator: JZ

Column phase: ZB-5msi

Column diameter: 0,32

49 Fluorene

Concentration: 25,29 ug/mL



Date : 24-JUN-2022 19:27

Client ID:

Instrument: nt6.i

Sample Info: CCV220624A

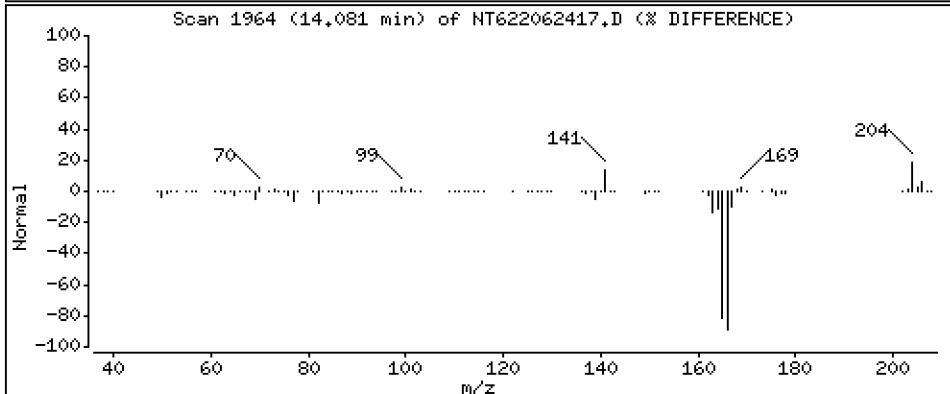
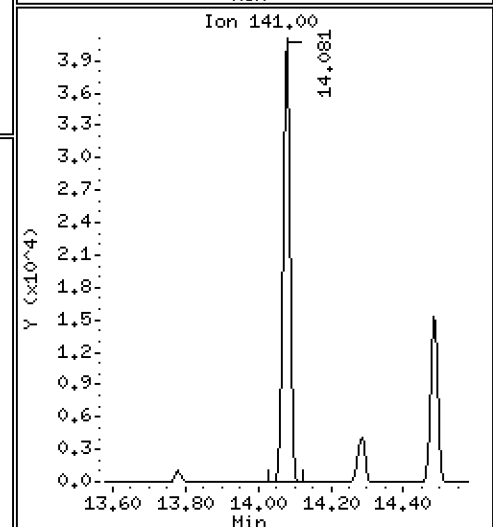
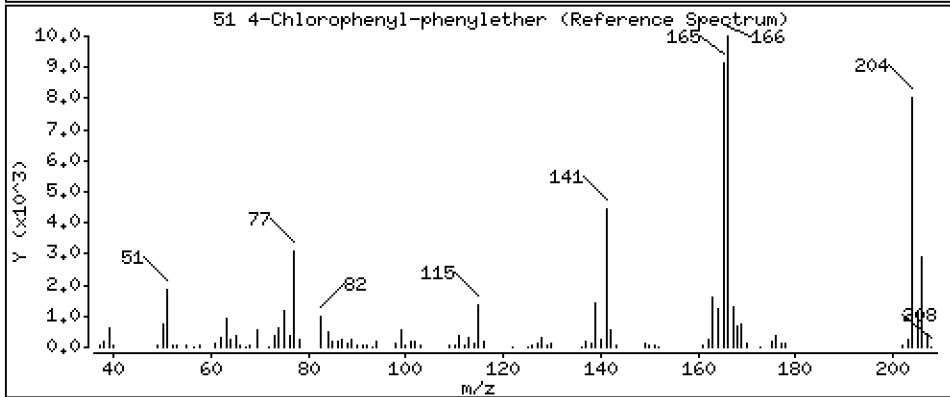
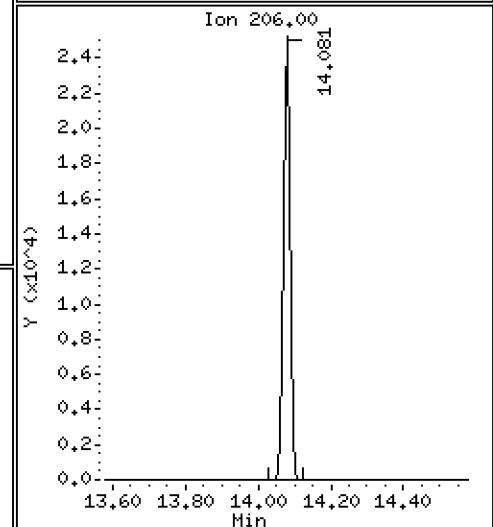
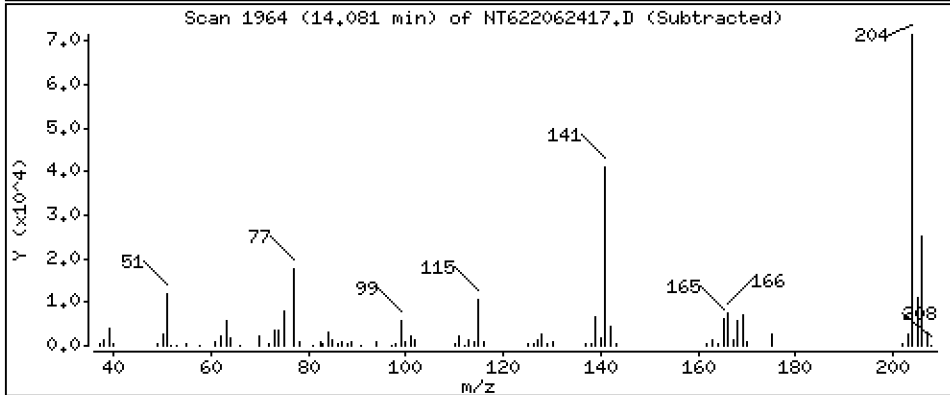
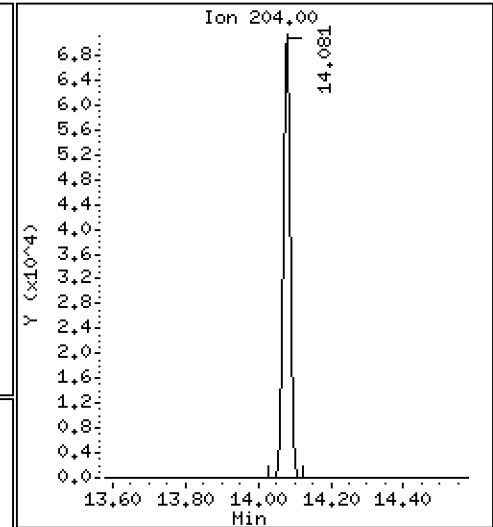
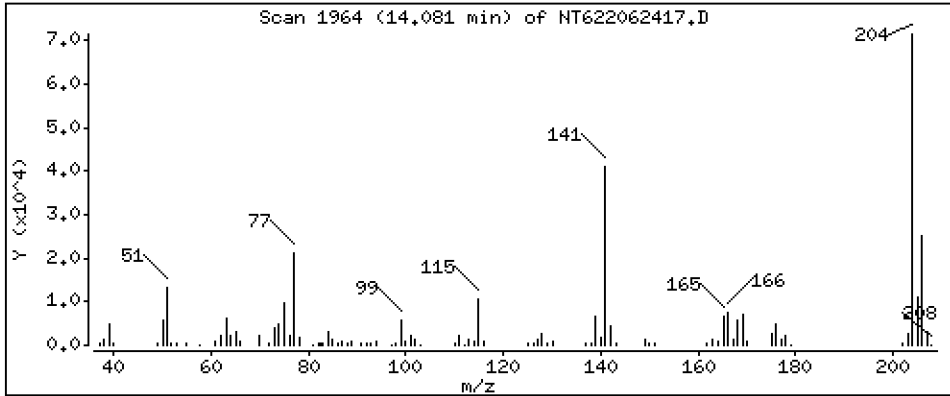
Operator: JZ

Column phase: ZB-5msi

Column diameter: 0.32

51 4-Chlorophenyl-phenylether

Concentration: 24.48 ug/mL



Date : 24-JUN-2022 19:27

Client ID:

Instrument: nt6.i

Sample Info: CCV220624A

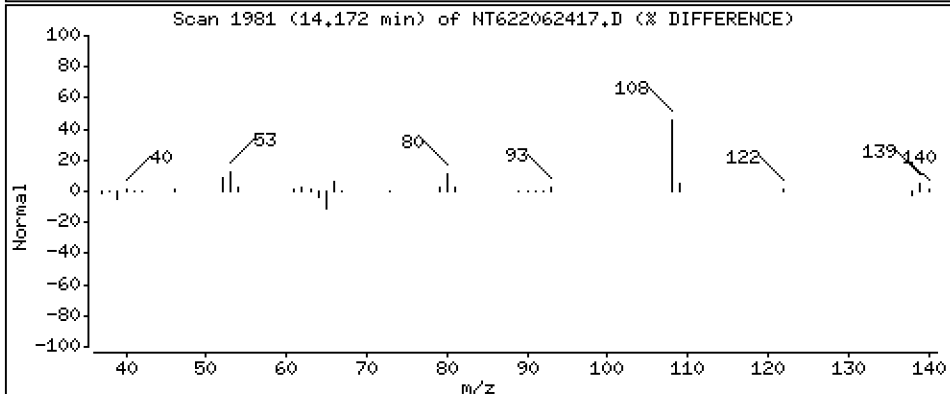
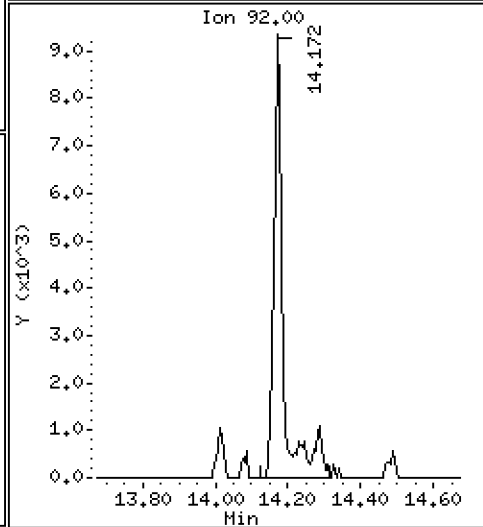
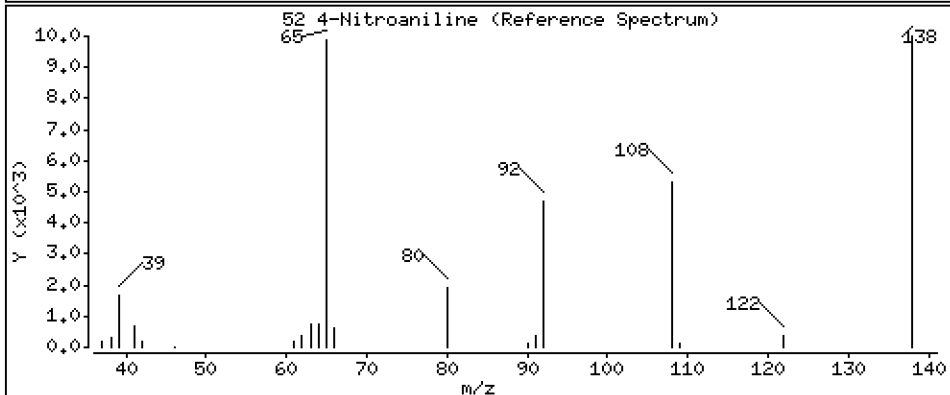
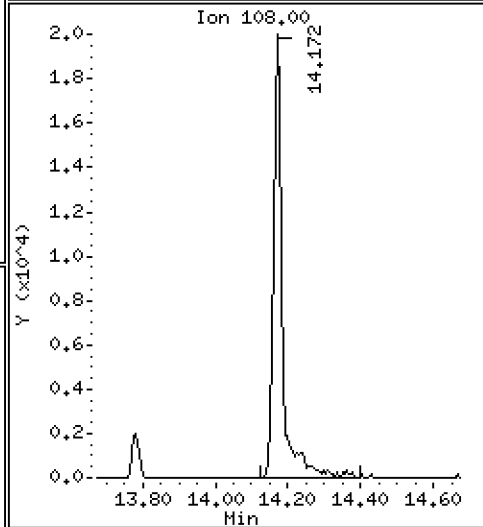
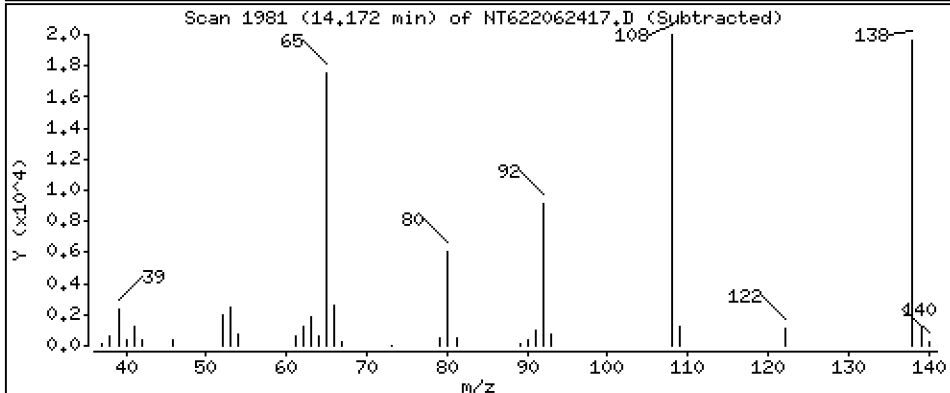
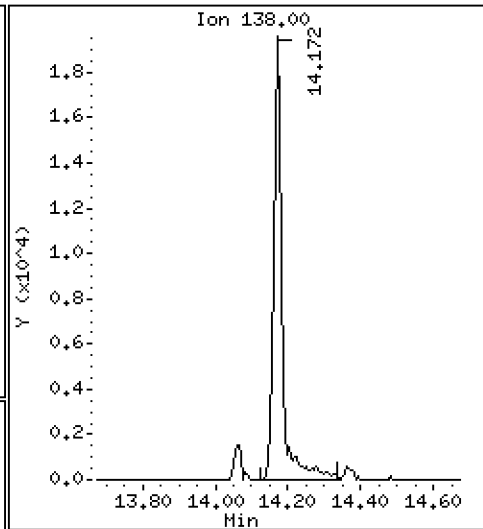
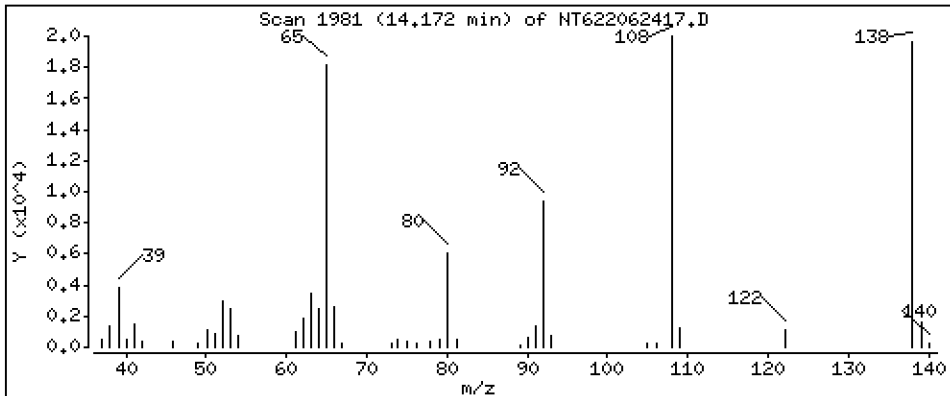
Operator: JZ

Column phase: ZB-5msi

Column diameter: 0.32

52 4-Nitroaniline

Concentration: 23.02 ug/mL



Date : 24-JUN-2022 19:27

Client ID:

Instrument: nt6.i

Sample Info: CCV220624A

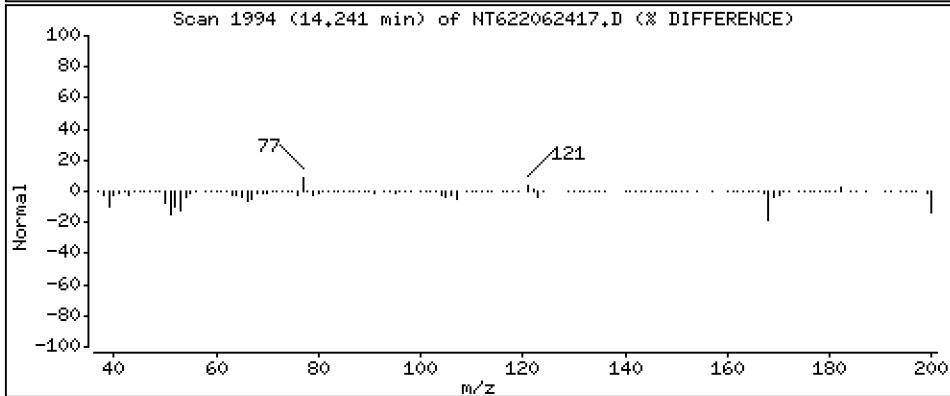
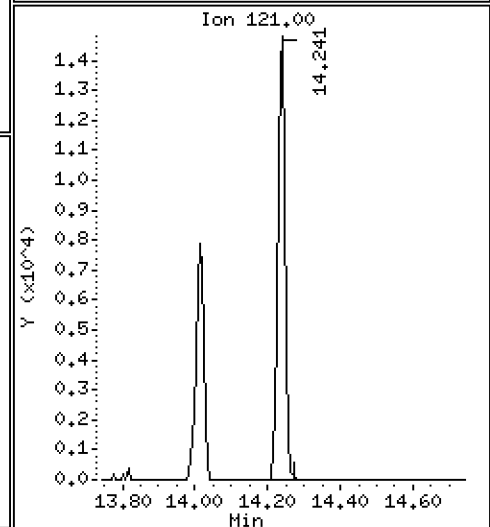
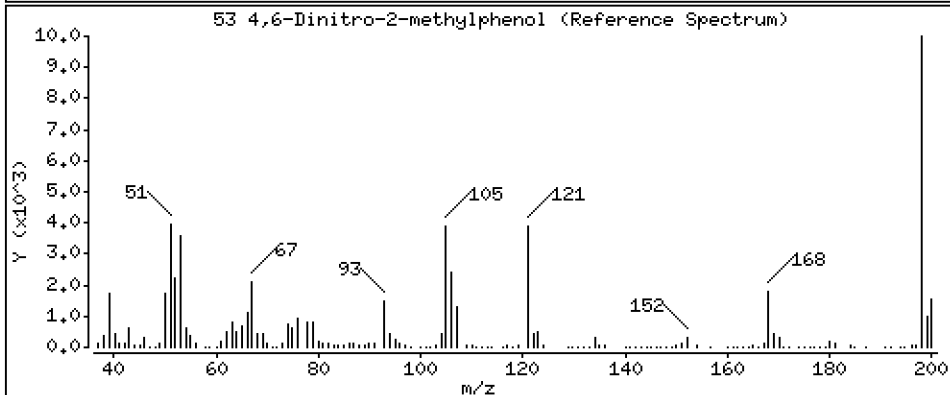
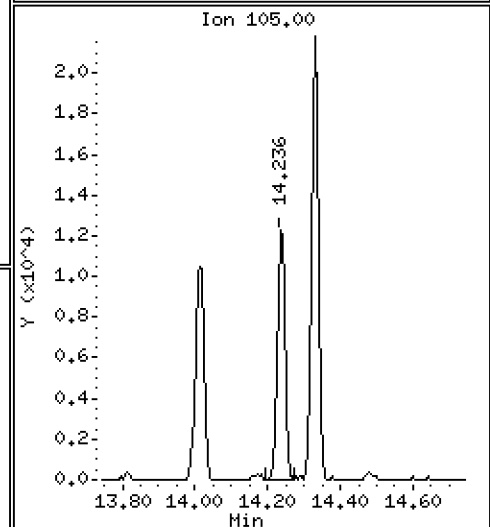
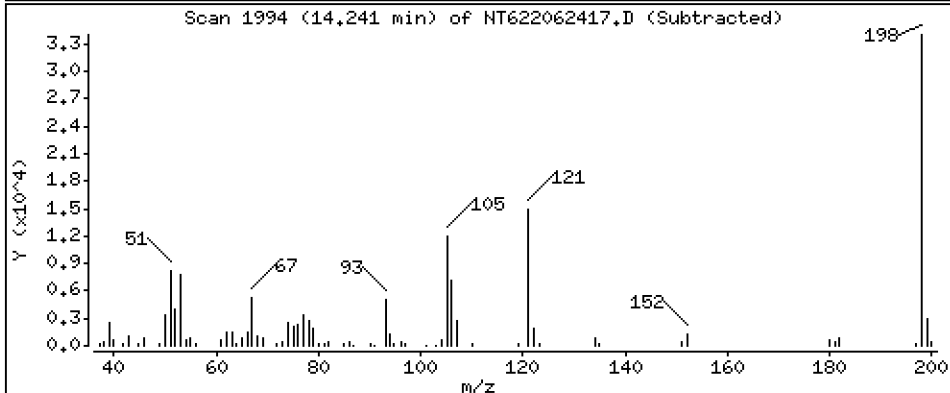
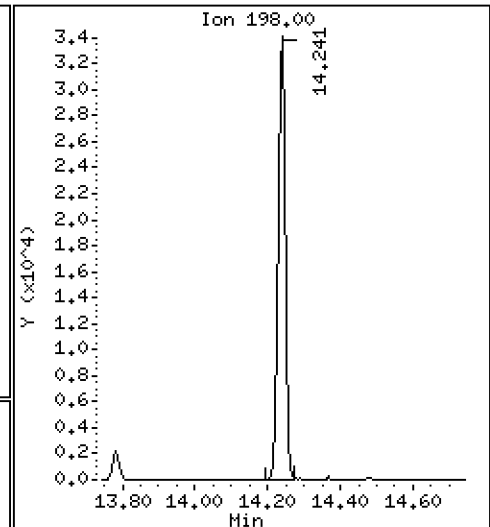
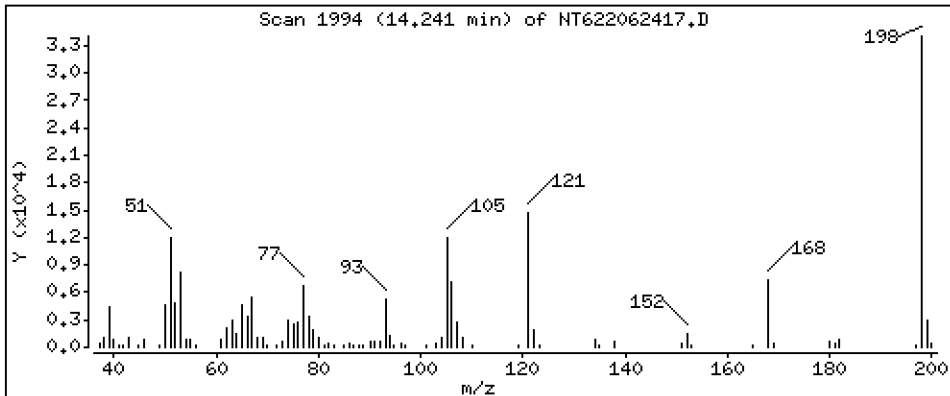
Operator: JZ

Column phase: ZB-5msi

Column diameter: 0.32

53 4,6-Dinitro-2-methylphenol

Concentration: 34.84 ug/mL



Date : 24-JUN-2022 19:27

Client ID:

Instrument: nt6.i

Sample Info: CCV220624A

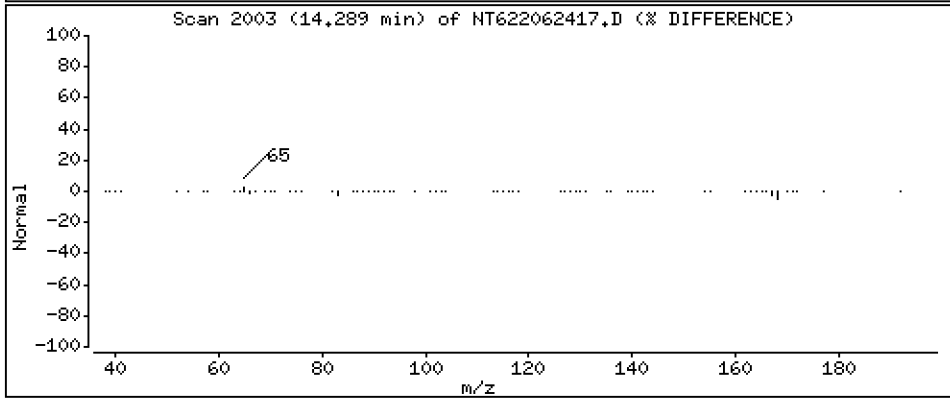
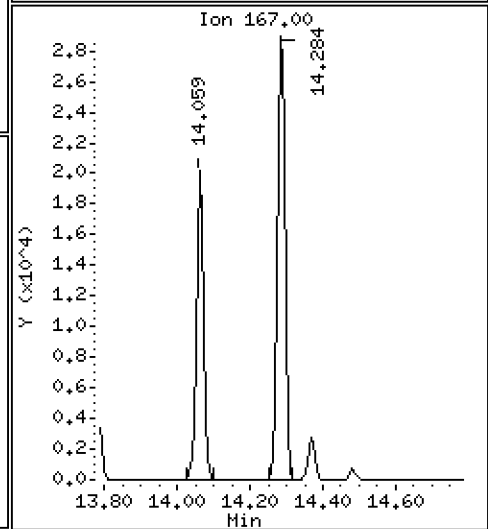
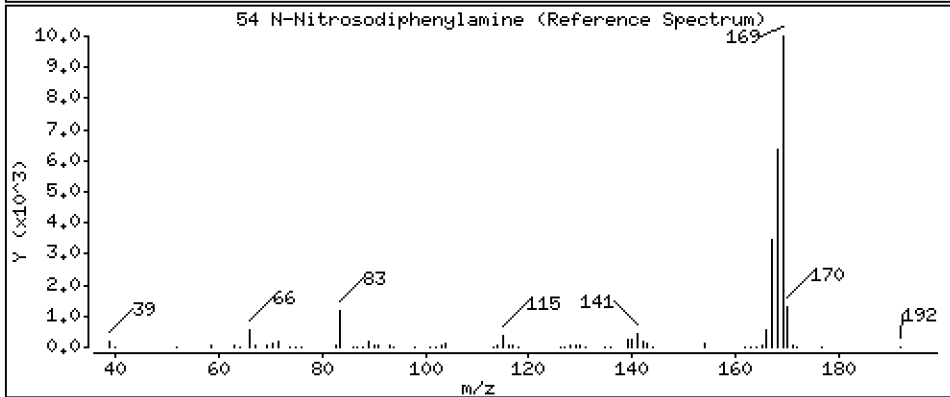
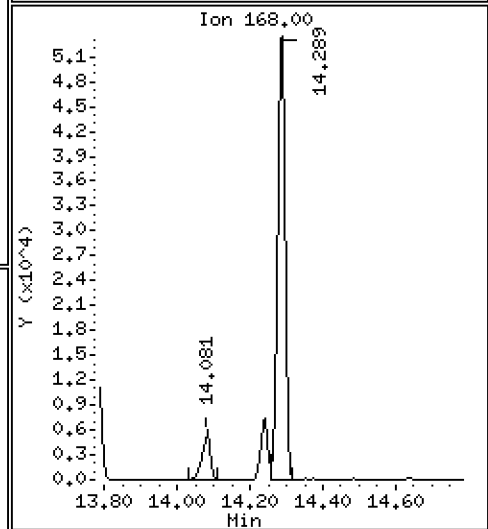
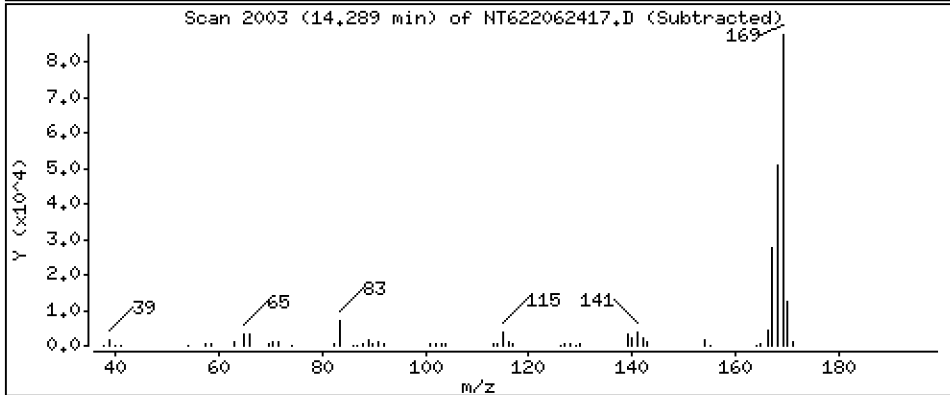
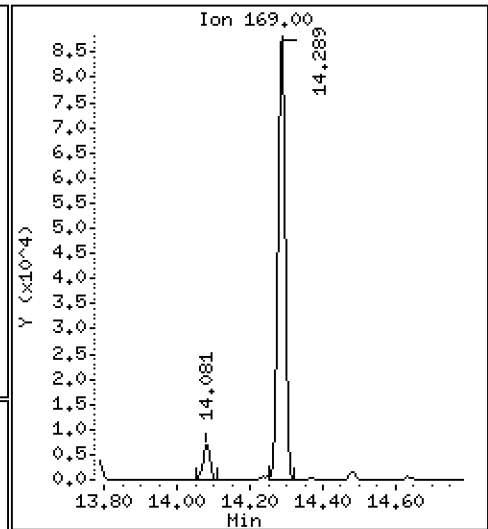
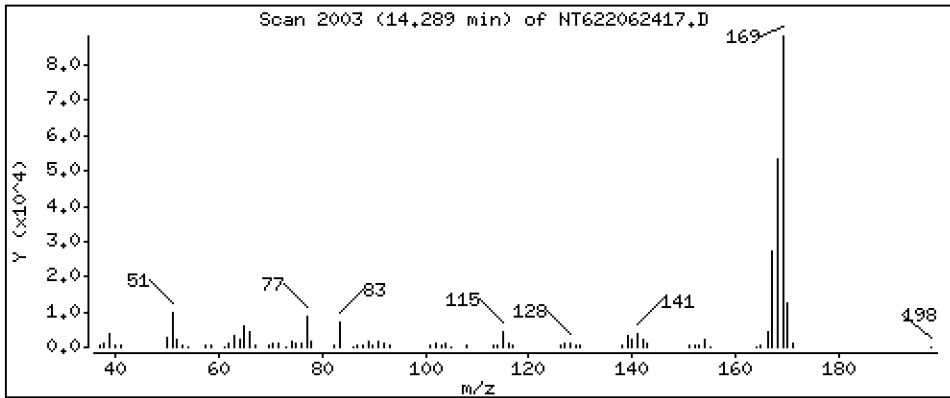
Operator: JZ

Column phase: ZB-5msi

Column diameter: 0,32

54 N-Nitrosodiphenylamine

Concentration: 23,16 ug/mL



Date : 24-JUN-2022 19:27

Client ID:

Instrument: nt6.i

Sample Info: CCV220624A

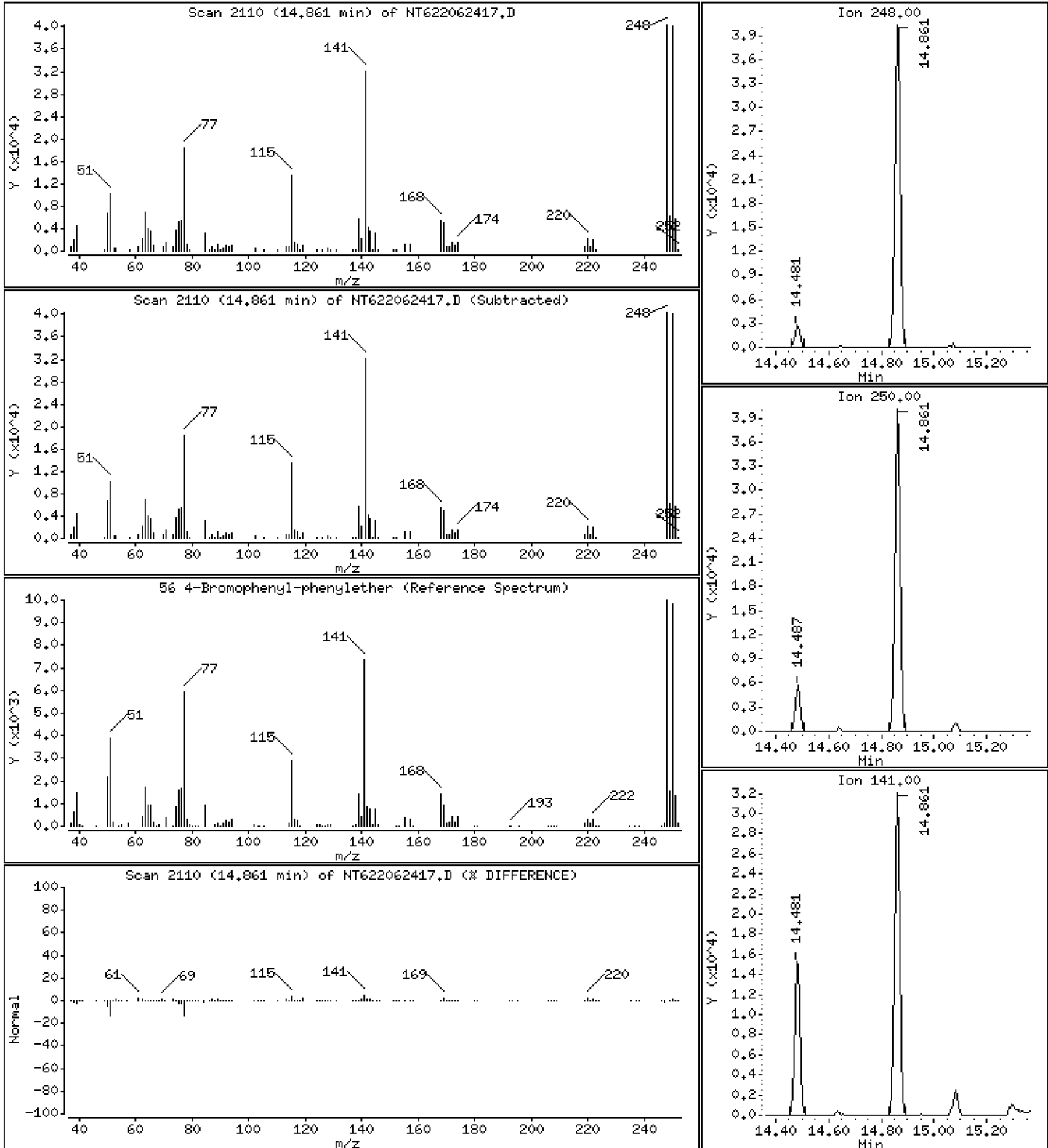
Operator: JZ

Column phase: ZB-5msi

Column diameter: 0.32

56 4-Bromophenyl-phenylether

Concentration: 24.51 ug/mL



Date : 24-JUN-2022 19:27

Client ID:

Instrument: nt6.i

Sample Info: CCV220624A

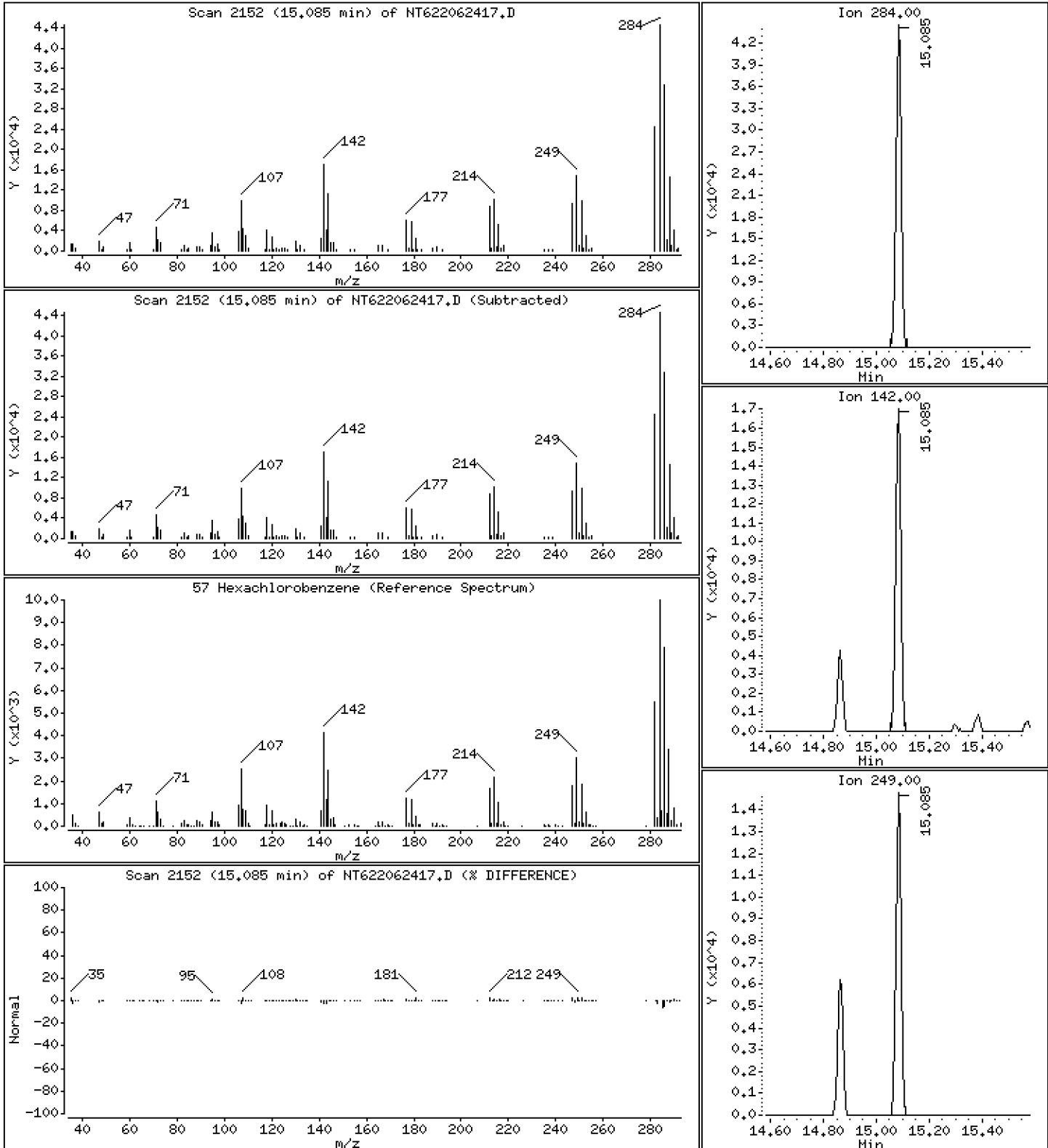
Operator: JZ

Column phase: ZB-5msi

Column diameter: 0.32

57 Hexachlorobenzene

Concentration: 24,20 ug/mL



Date : 24-JUN-2022 19:27

Client ID:

Instrument: nt6.i

Sample Info: CCV220624A

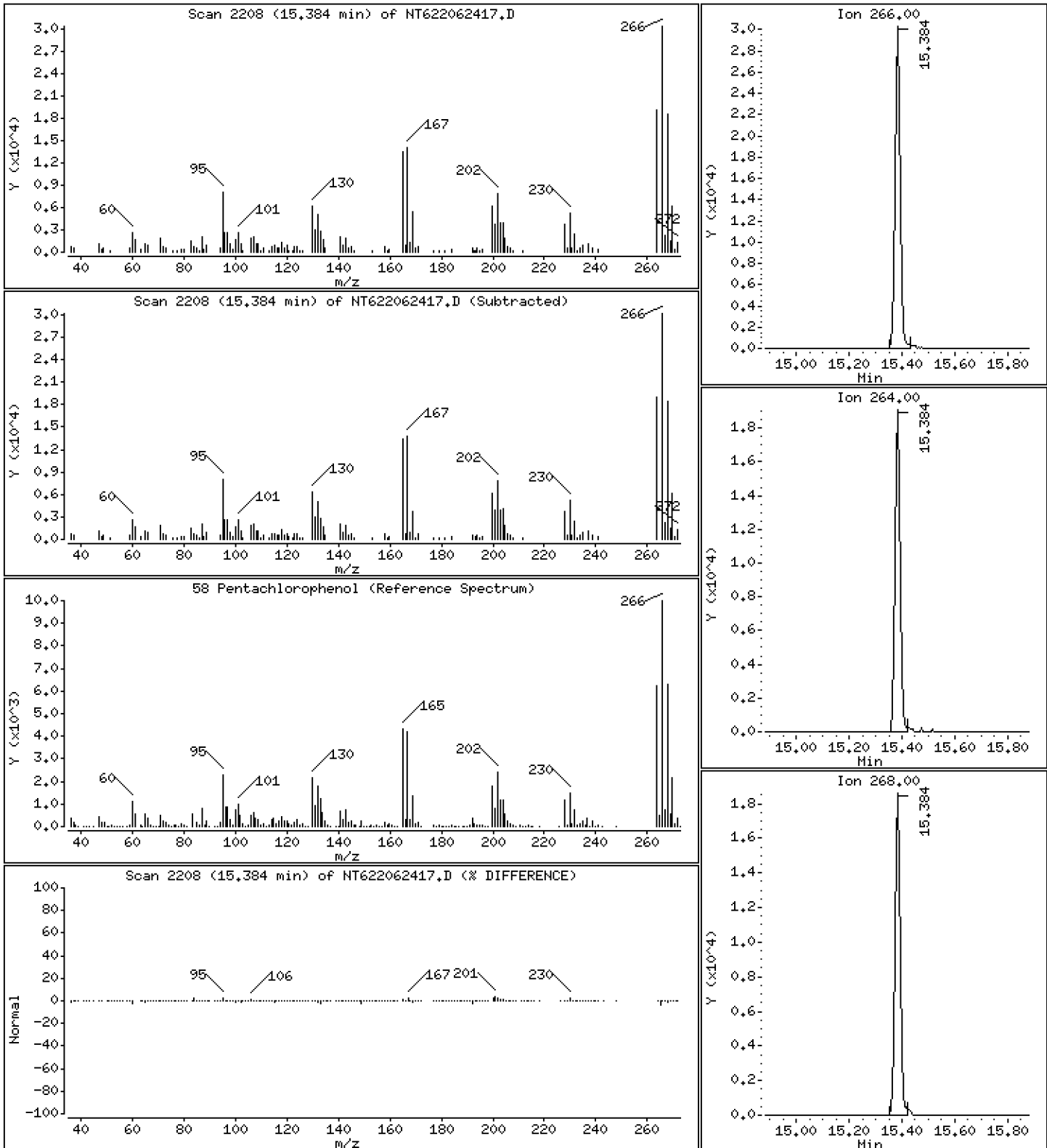
Operator: JZ

Column phase: ZB-5msi

Column diameter: 0.32

58 Pentachlorophenol

Concentration: 24.09 ug/mL



Date : 24-JUN-2022 19:27

Client ID:

Instrument: nt6.i

Sample Info: CCV220624A

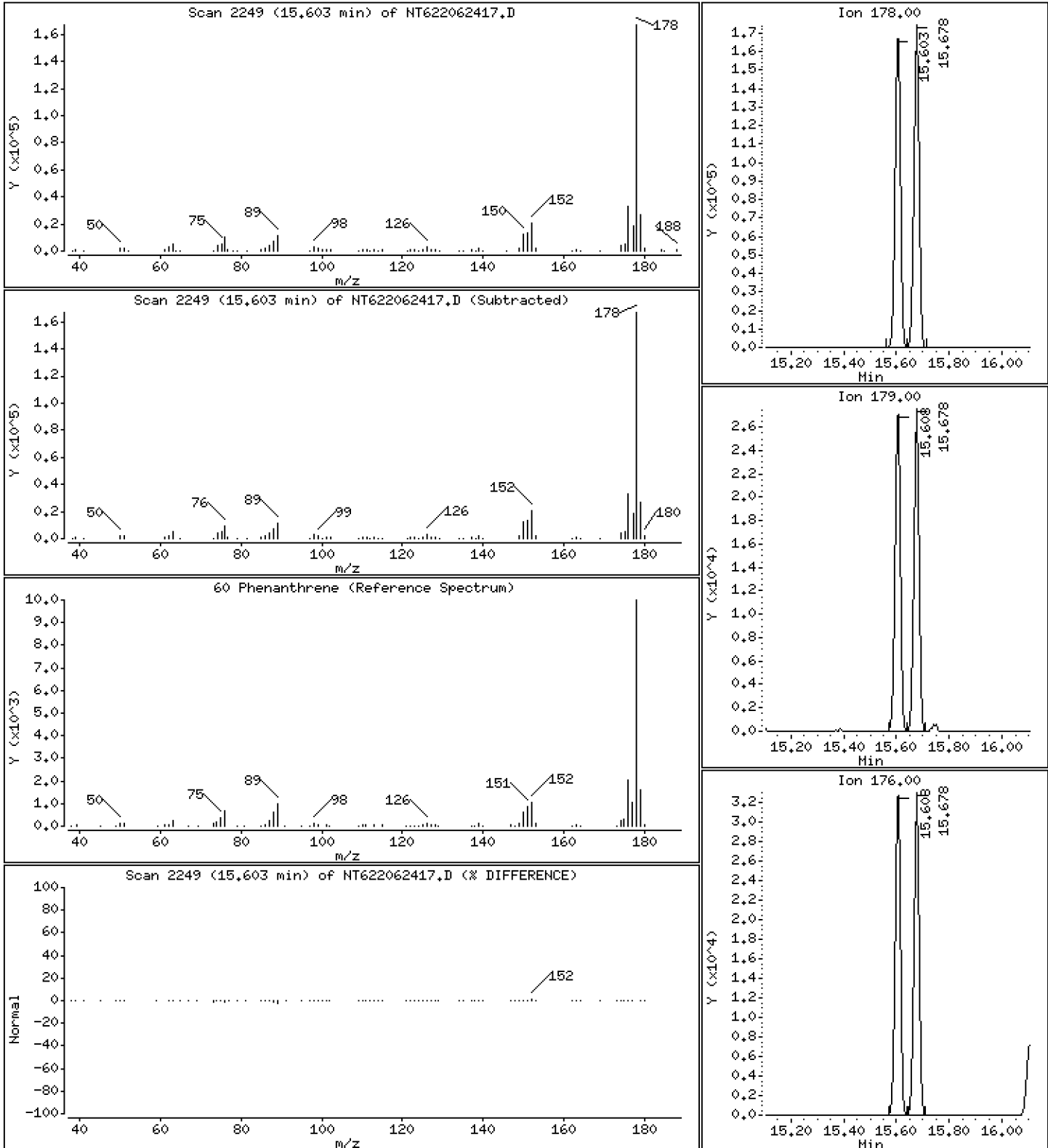
Operator: JZ

Column phase: ZB-5msi

Column diameter: 0.32

60 Phenanthrene

Concentration: 23.87 ug/mL



Date : 24-JUN-2022 19:27

Client ID:

Instrument: nt6.i

Sample Info: CCV220624A

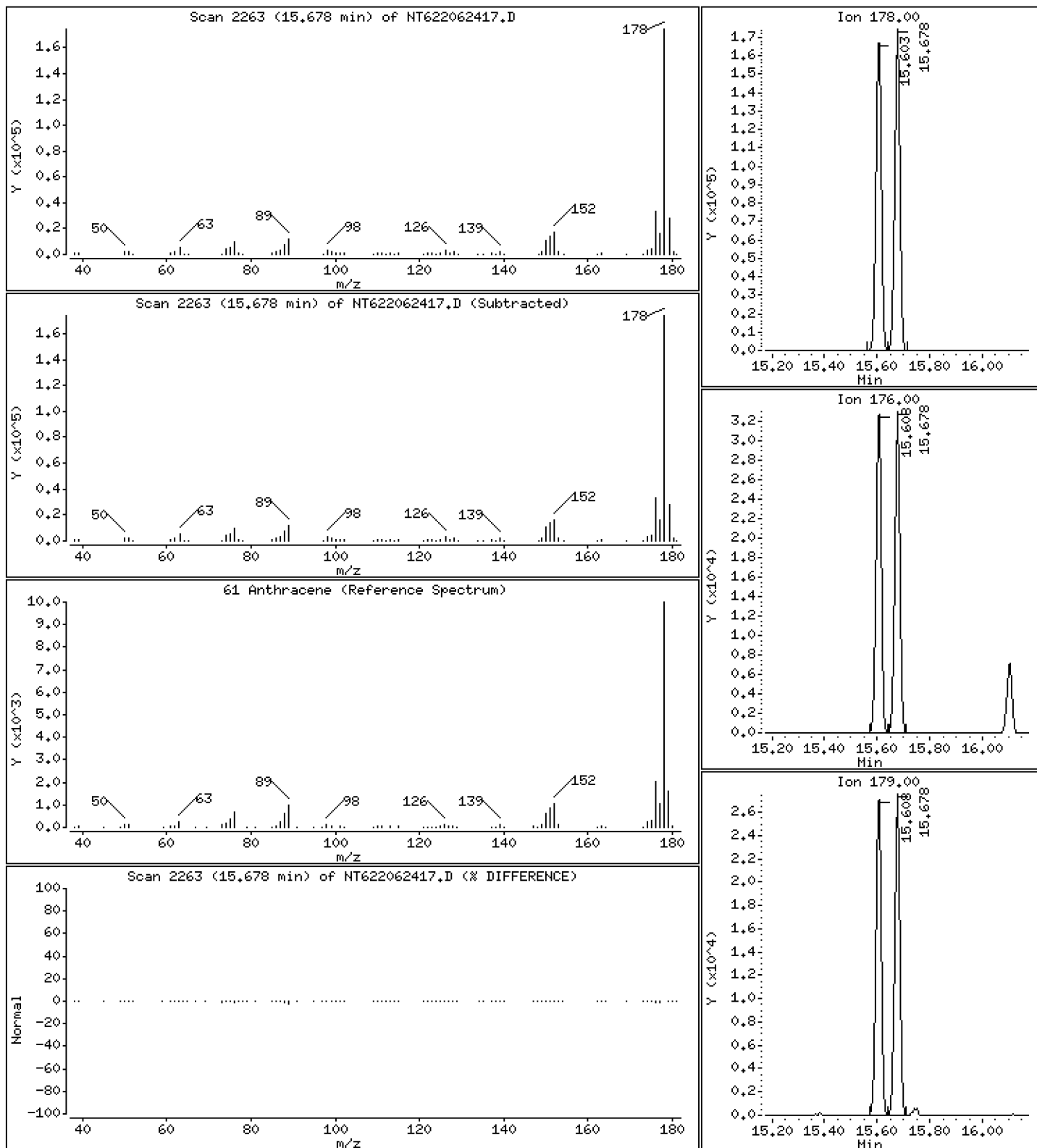
Operator: JZ

Column phase: ZB-5msi

Column diameter: 0.32

61 Anthracene

Concentration: 23,31 ug/mL



Date : 24-JUN-2022 19:27

Client ID:

Instrument: nt6.i

Sample Info: CCV220624A

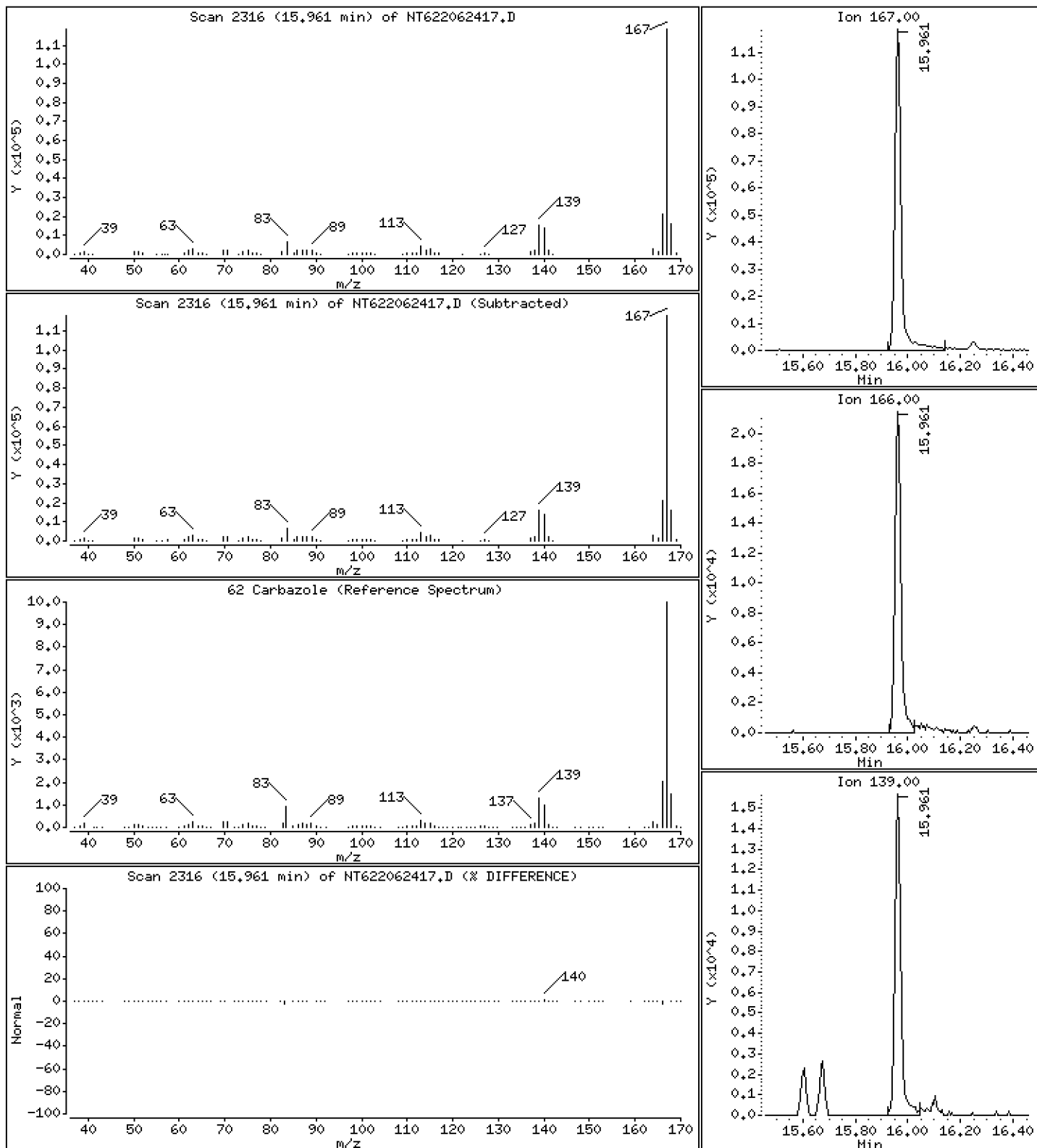
Operator: JZ

Column phase: ZB-5msi

Column diameter: 0,32

62 Carbazole

Concentration: 22,85 ug/mL



Date : 24-JUN-2022 19:27

Client ID:

Instrument: nt6.i

Sample Info: CCV220624A

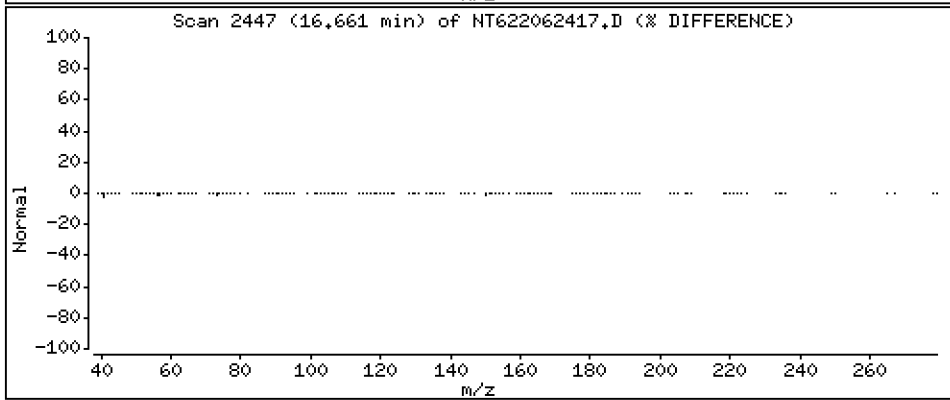
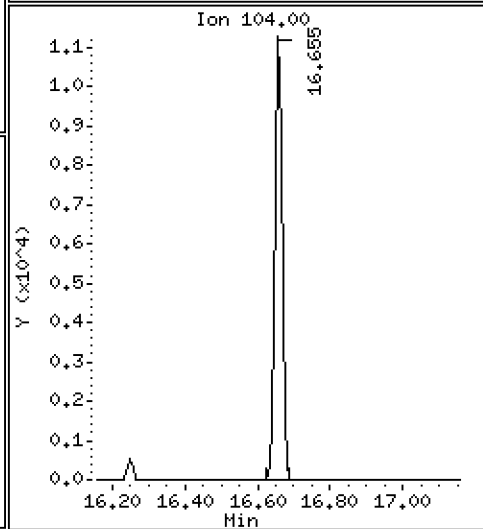
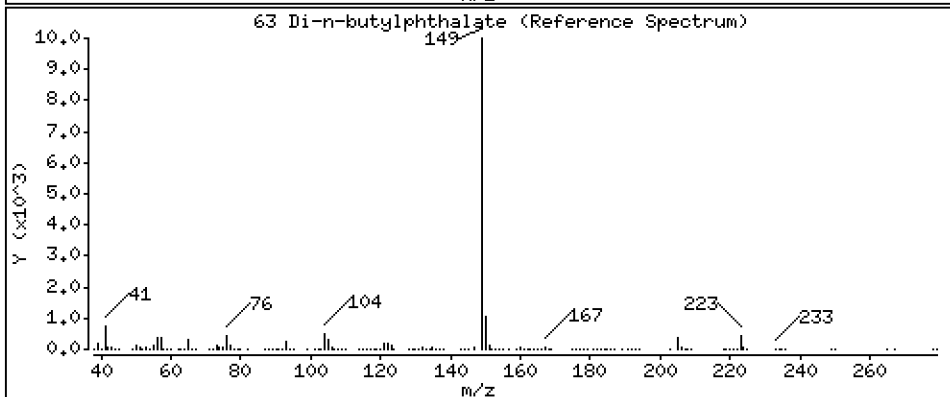
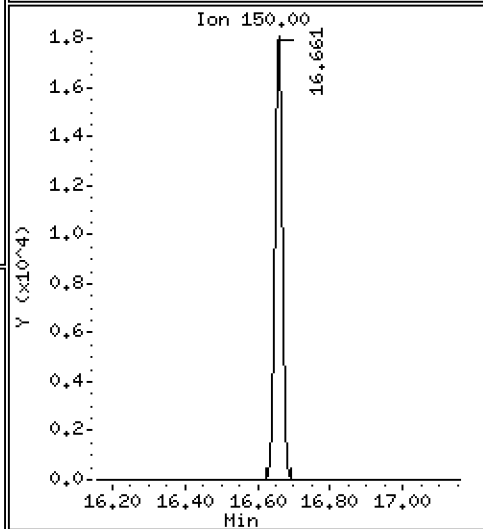
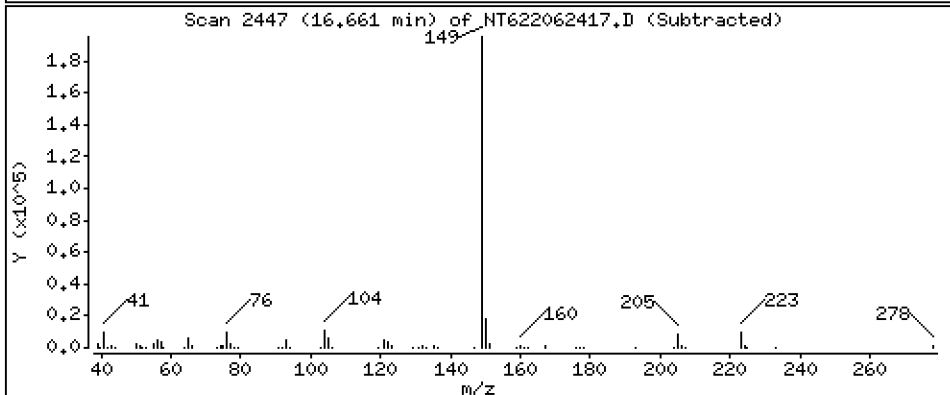
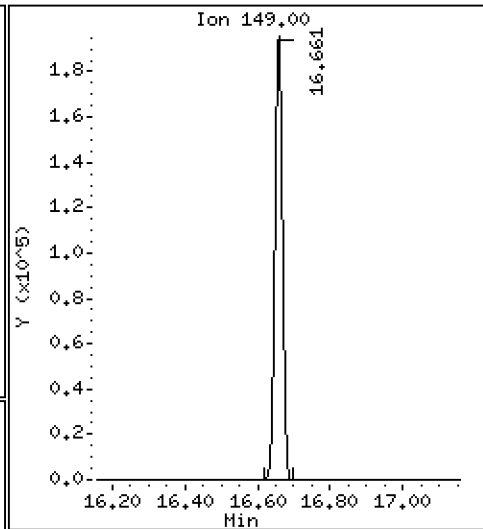
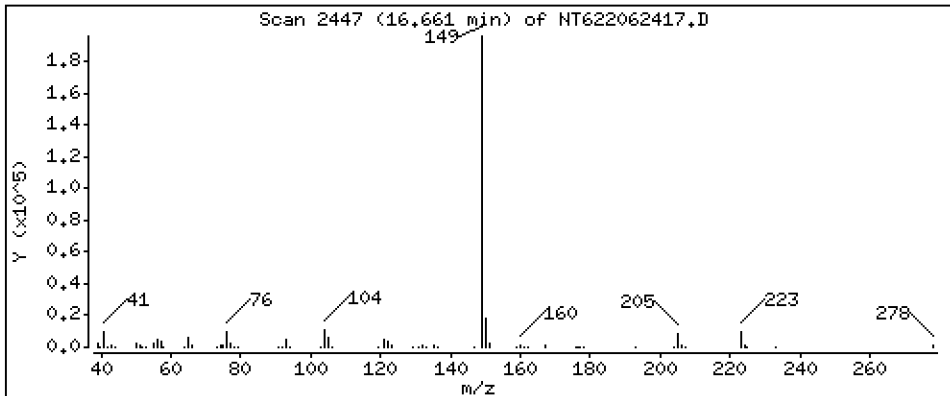
Operator: JZ

Column phase: ZB-5msi

Column diameter: 0.32

63 Di-n-butylphthalate

Concentration: 26.06 ug/mL



Date : 24-JUN-2022 19:27

Client ID:

Instrument: nt6.i

Sample Info: CCV220624A

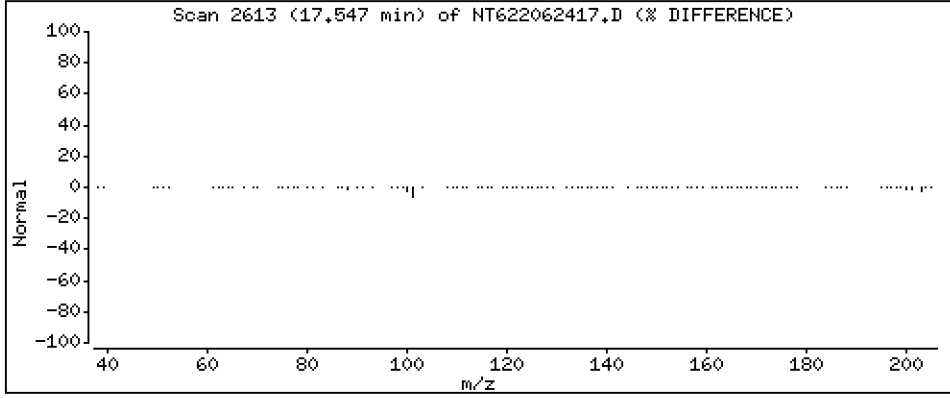
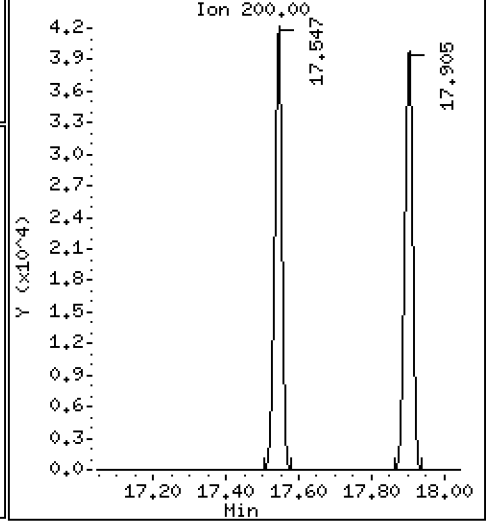
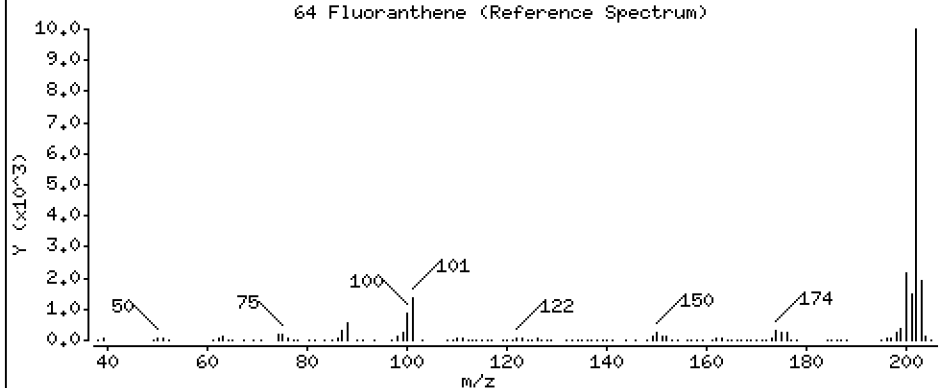
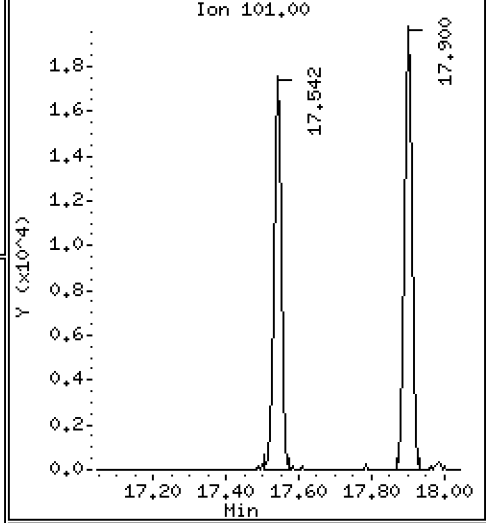
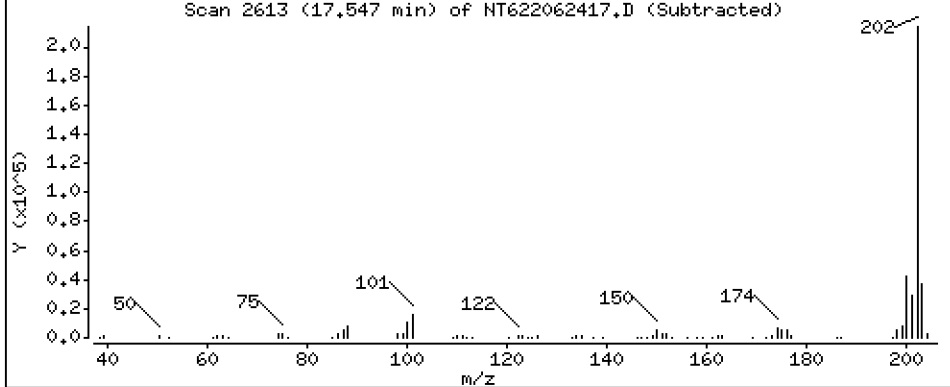
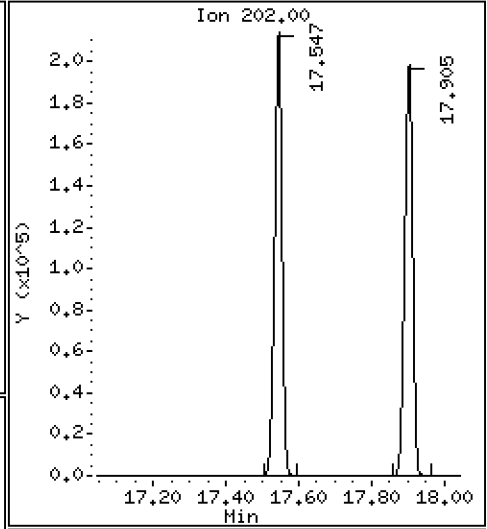
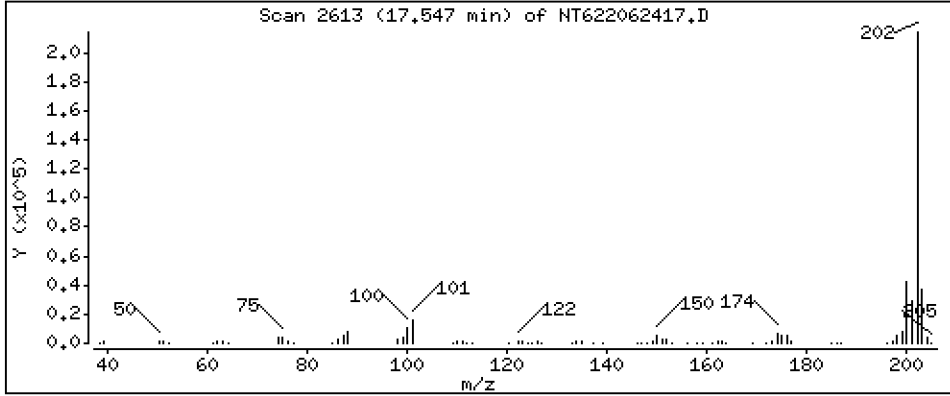
Operator: JZ

Column phase: ZB-5msi

Column diameter: 0.32

64 Fluoranthene

Concentration: 26.23 ug/mL



Date : 24-JUN-2022 19:27

Client ID:

Instrument: nt6.i

Sample Info: CCV220624A

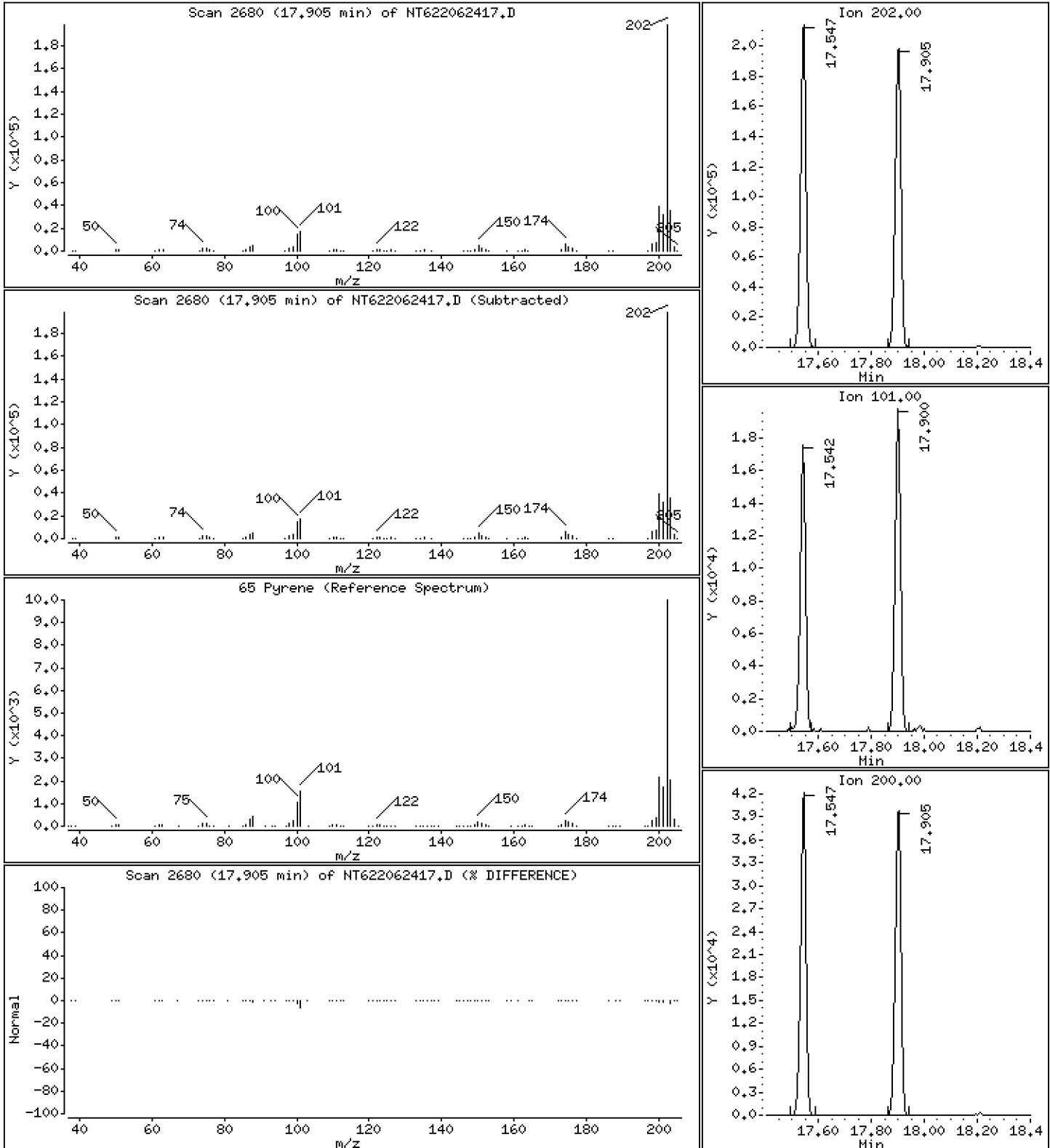
Operator: JZ

Column phase: ZB-5msi

Column diameter: 0.32

65 Pyrene

Concentration: 21.93 ug/mL



Date : 24-JUN-2022 19:27

Client ID:

Instrument: nt6.i

Sample Info: CCV220624A

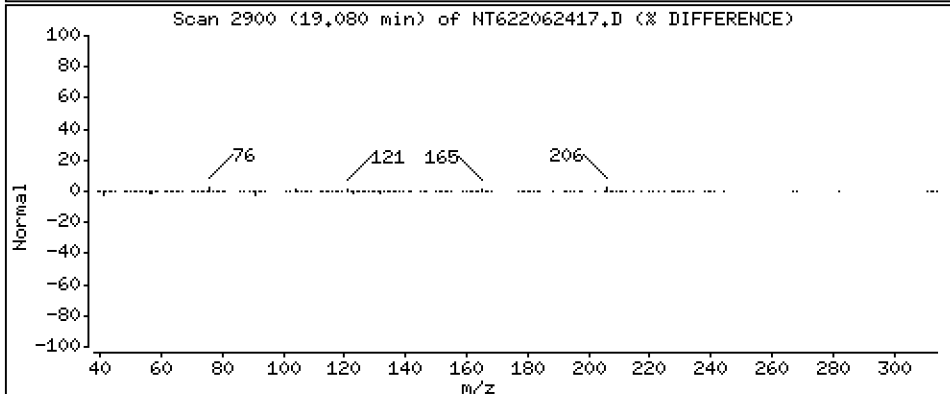
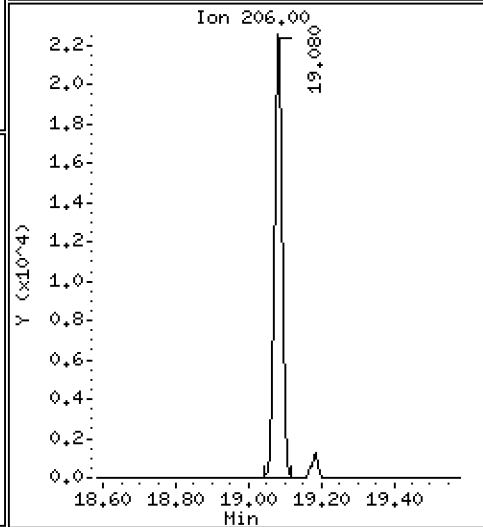
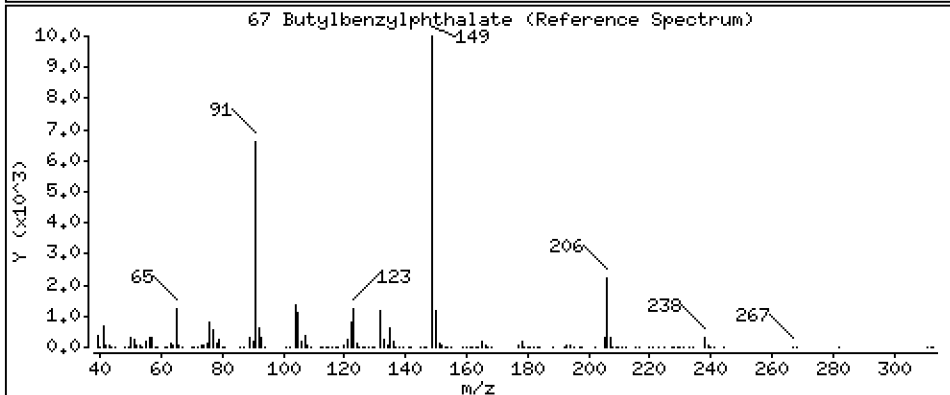
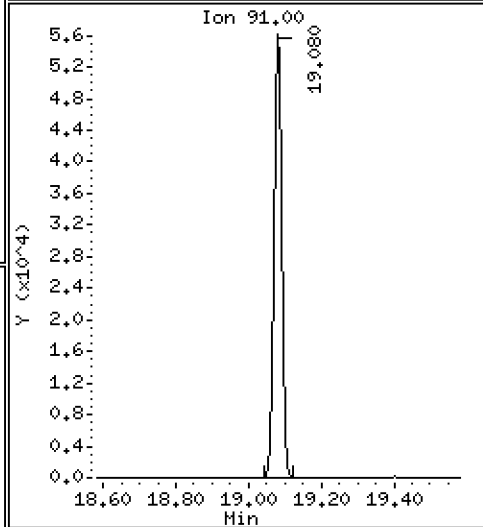
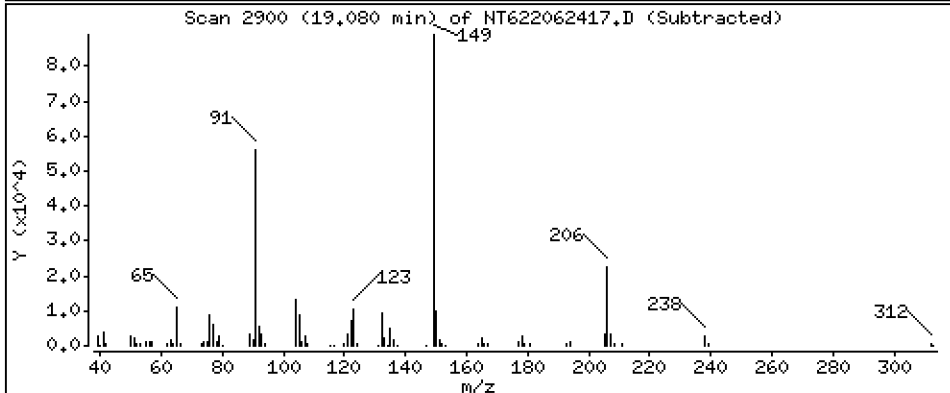
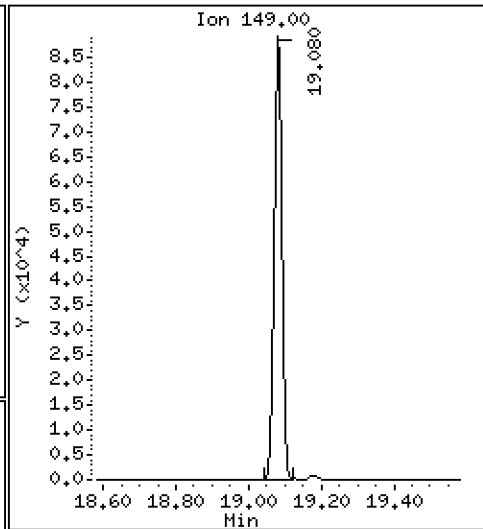
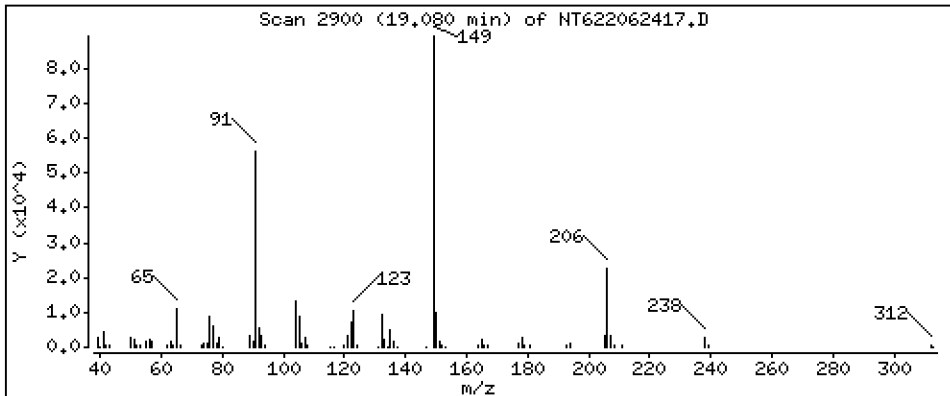
Operator: JZ

Column phase: ZB-5msi

Column diameter: 0.32

67 Butylbenzylphthalate

Concentration: 24.35 ug/mL



Date : 24-JUN-2022 19:27

Client ID:

Instrument: nt6.i

Sample Info: CCV220624A

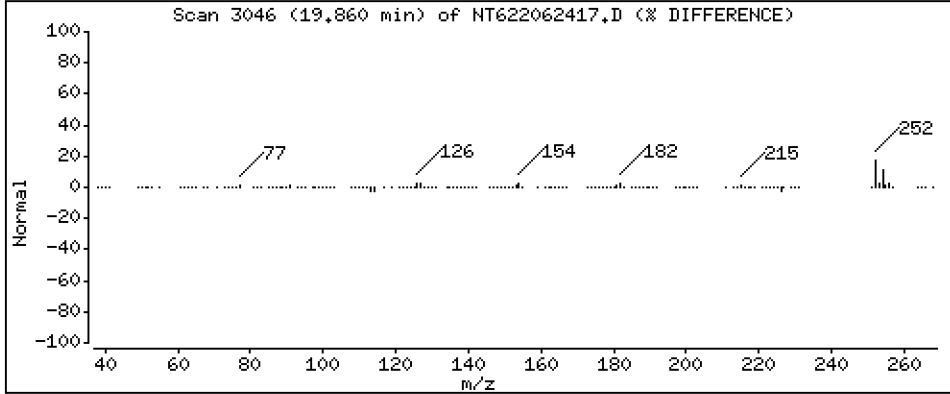
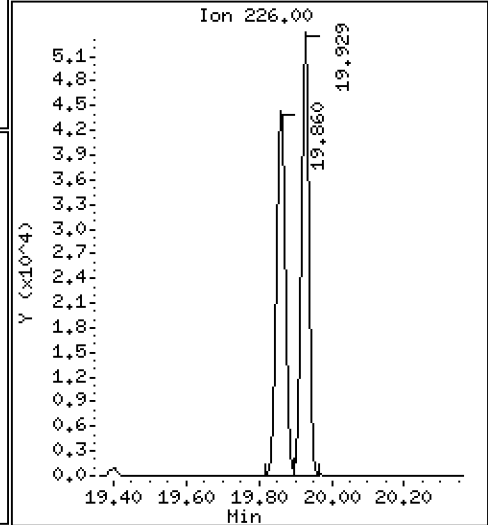
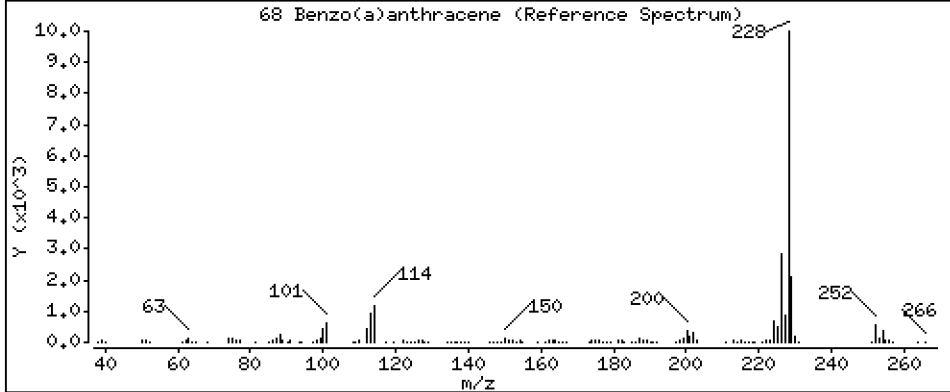
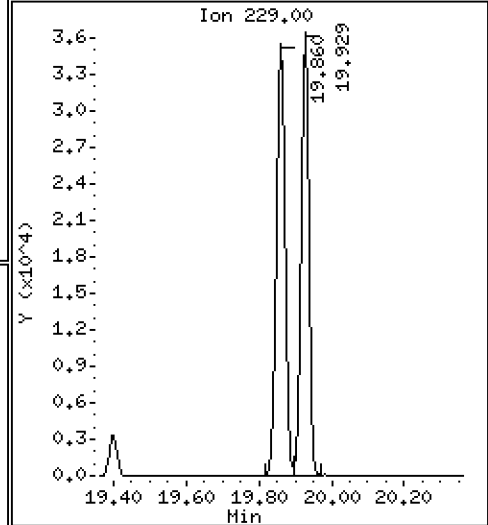
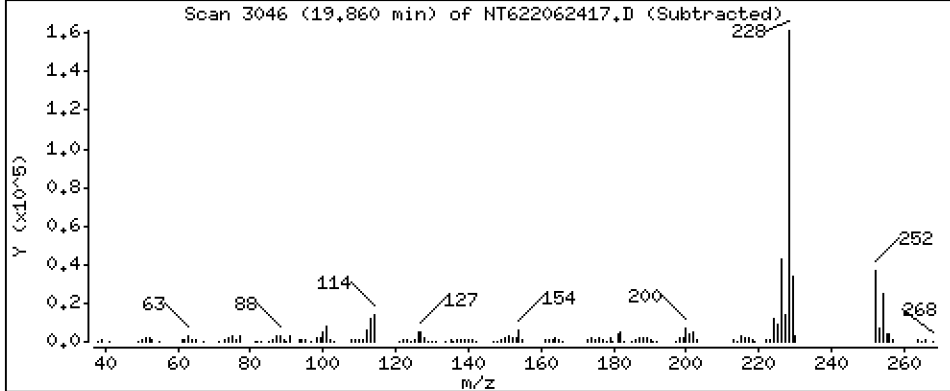
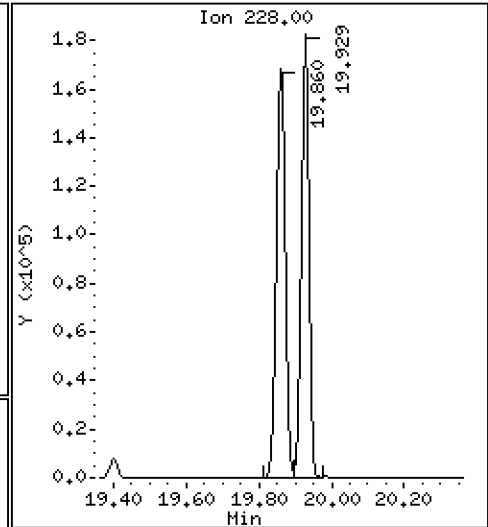
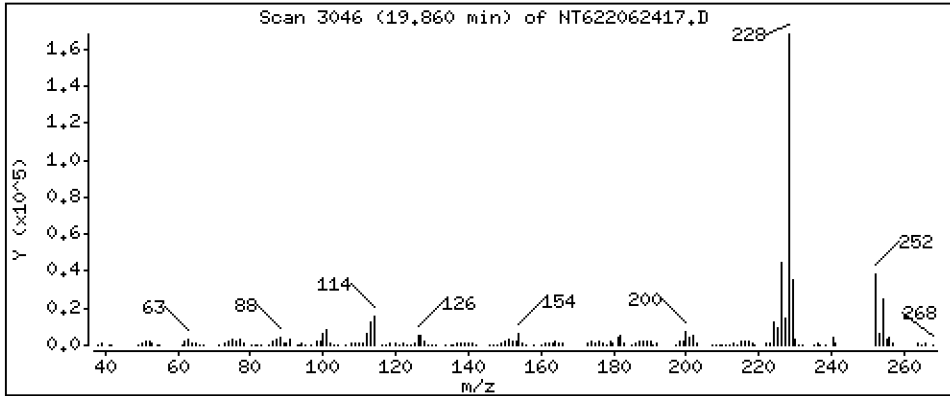
Operator: JZ

Column phase: ZB-5msi

Column diameter: 0.32

68 Benzo(a)anthracene

Concentration: 23,82 ug/mL



Date : 24-JUN-2022 19:27

Client ID:

Instrument: nt6.i

Sample Info: CCV220624A

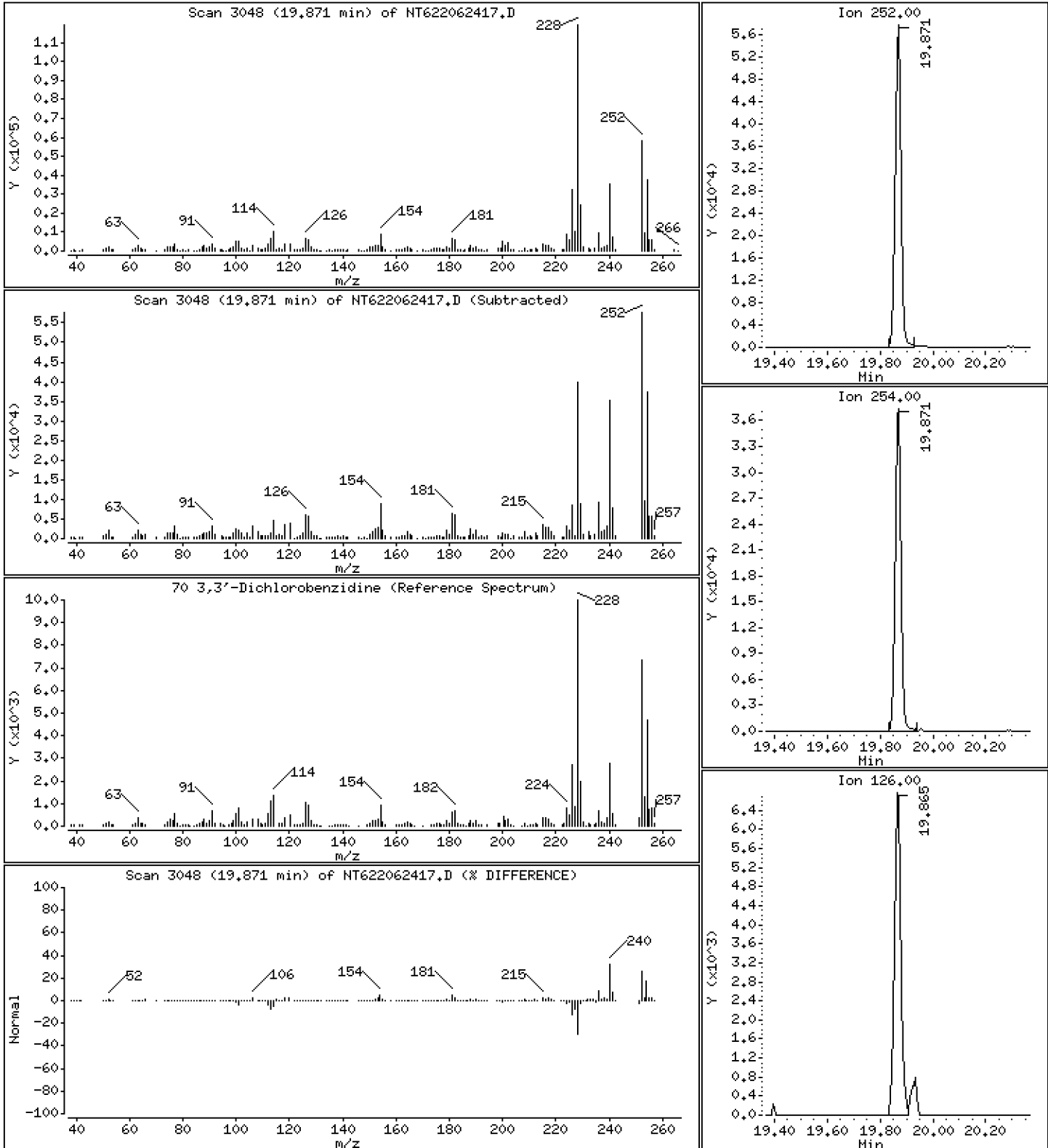
Operator: JZ

Column phase: ZB-5msi

Column diameter: 0,32

70 3,3'-Dichlorobenzidine

Concentration: 24,19 ug/mL



Date : 24-JUN-2022 19:27

Client ID:

Instrument: nt6.i

Sample Info: CCV220624A

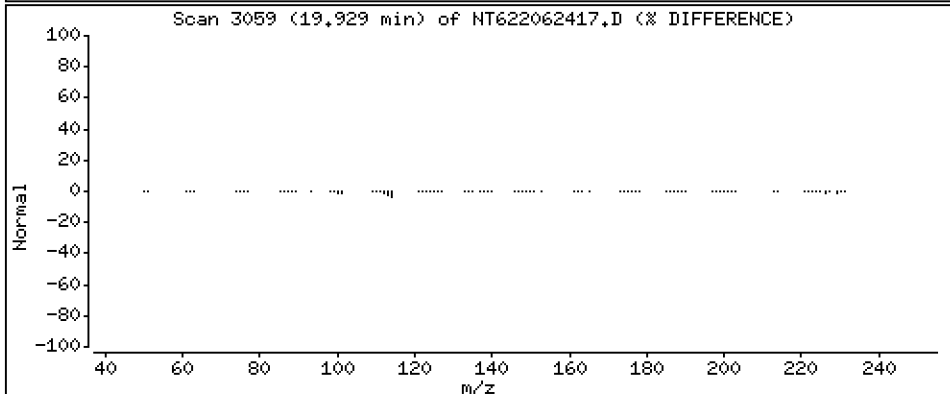
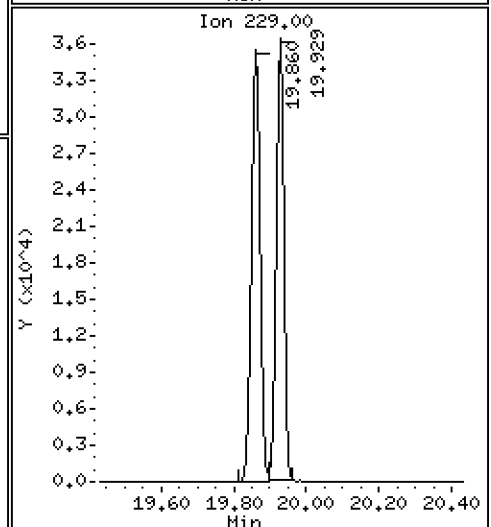
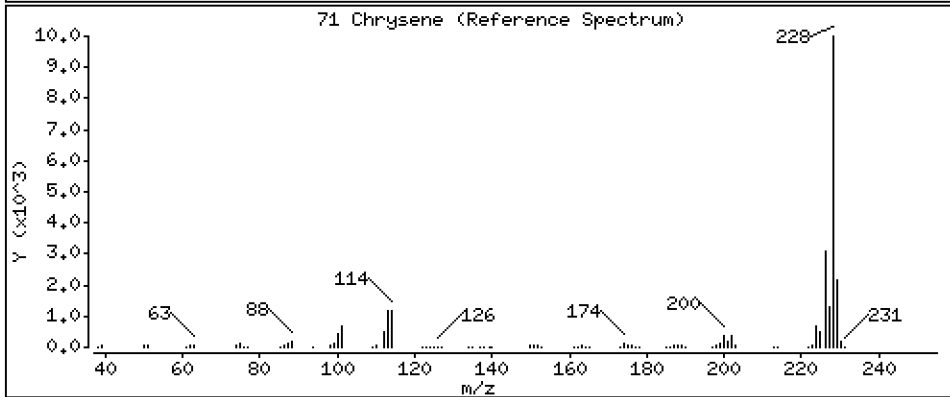
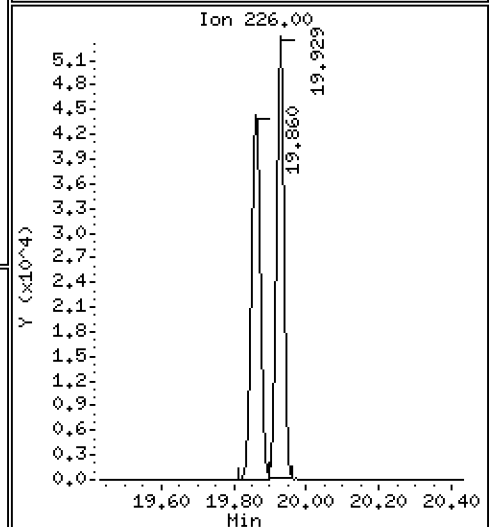
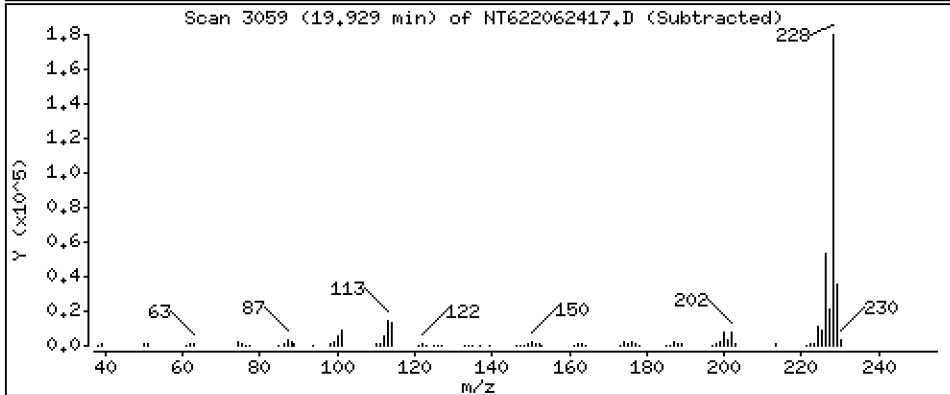
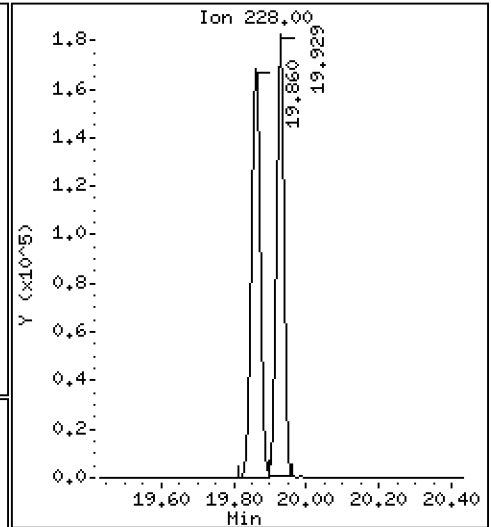
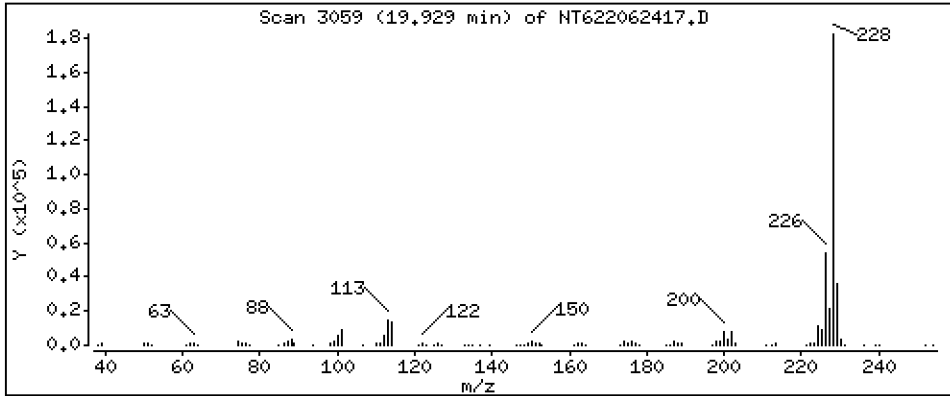
Operator: JZ

Column phase: ZB-5msi

Column diameter: 0.32

71 Chrysene

Concentration: 23,24 ug/mL



Date : 24-JUN-2022 19:27

Client ID:

Instrument: nt6.i

Sample Info: CCV220624A

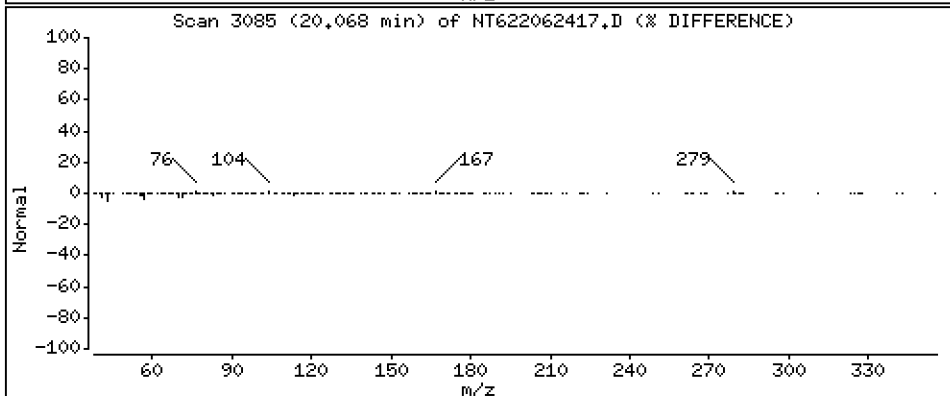
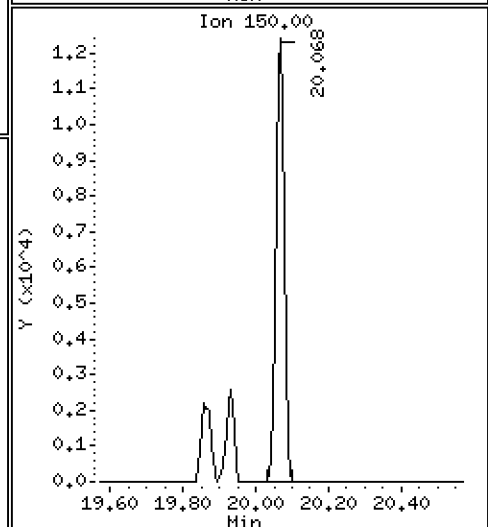
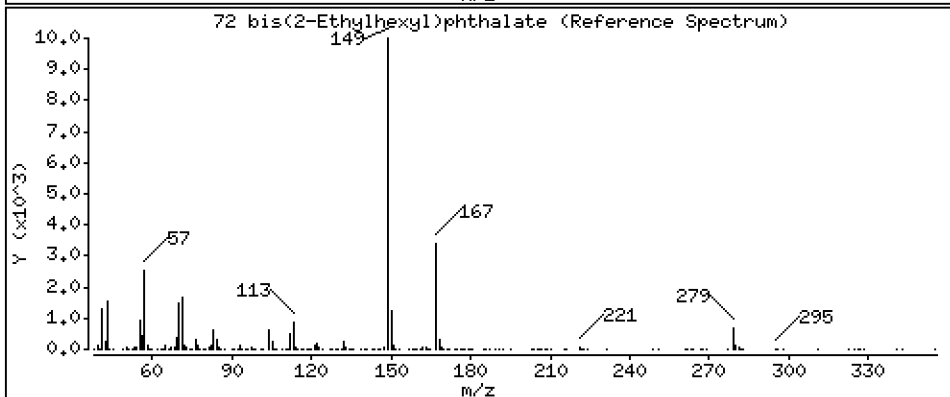
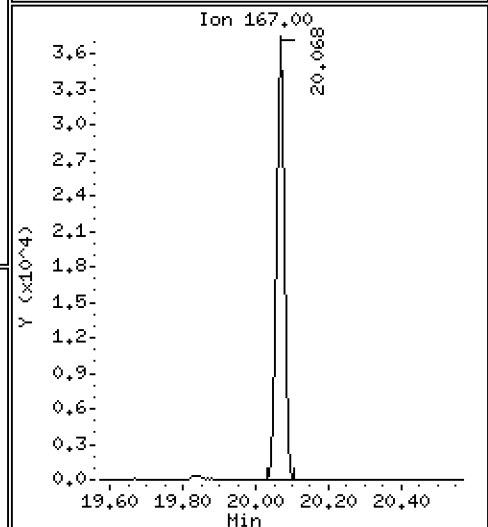
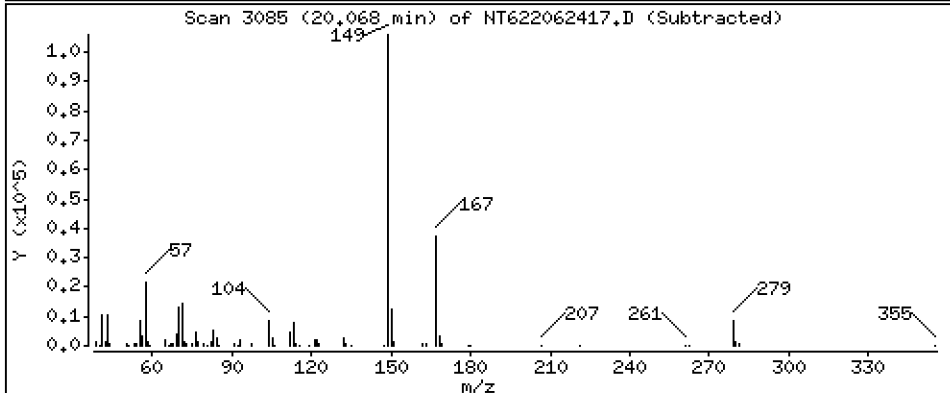
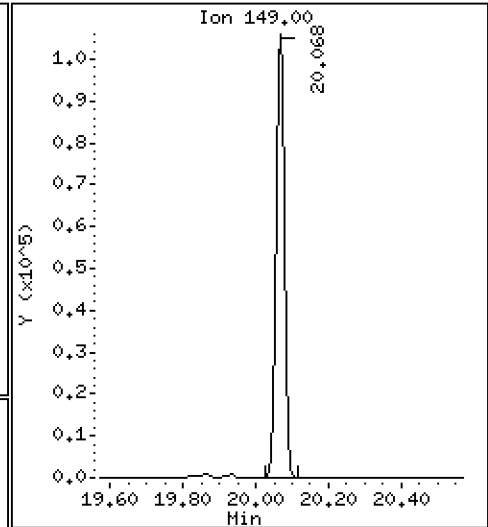
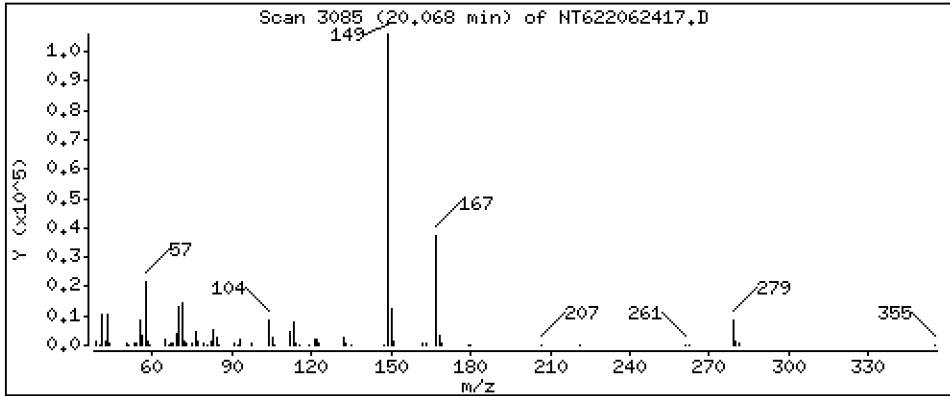
Operator: JZ

Column phase: ZB-5msi

Column diameter: 0,32

72 bis(2-Ethylhexyl)phthalate

Concentration: 24,06 ug/mL



Date : 24-JUN-2022 19:27

Client ID:

Instrument: nt6.i

Sample Info: CCV220624A

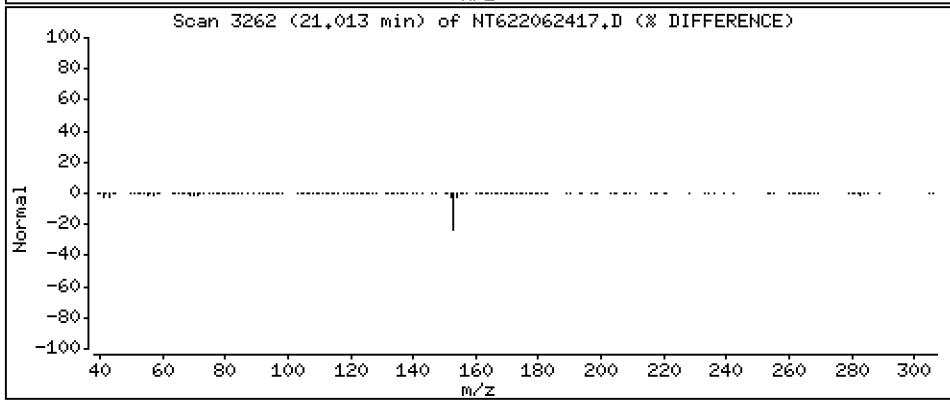
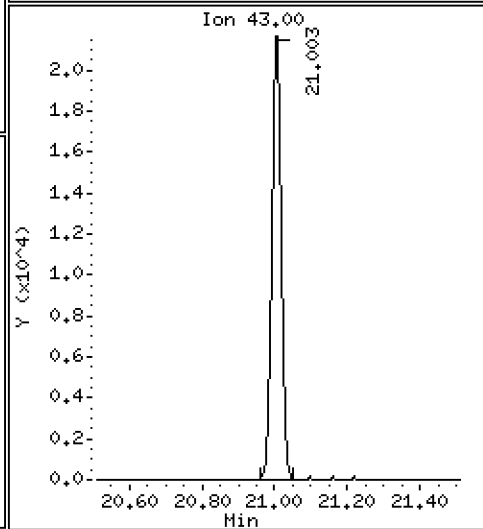
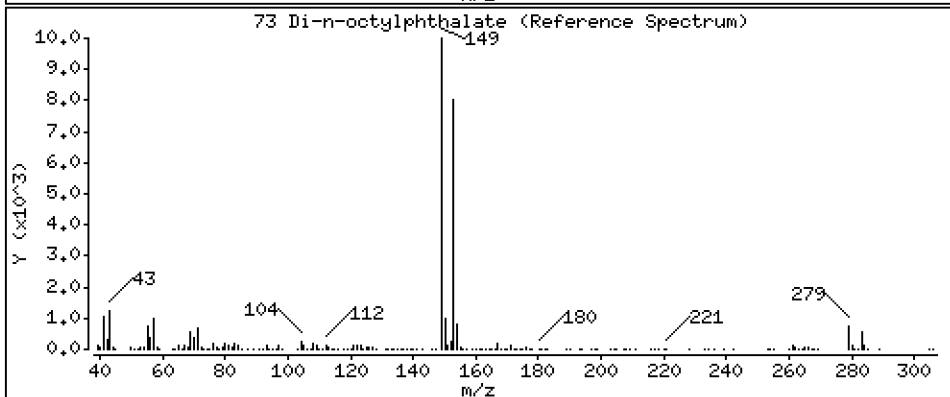
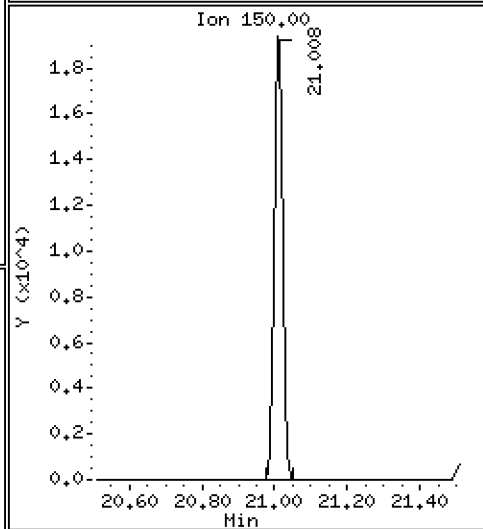
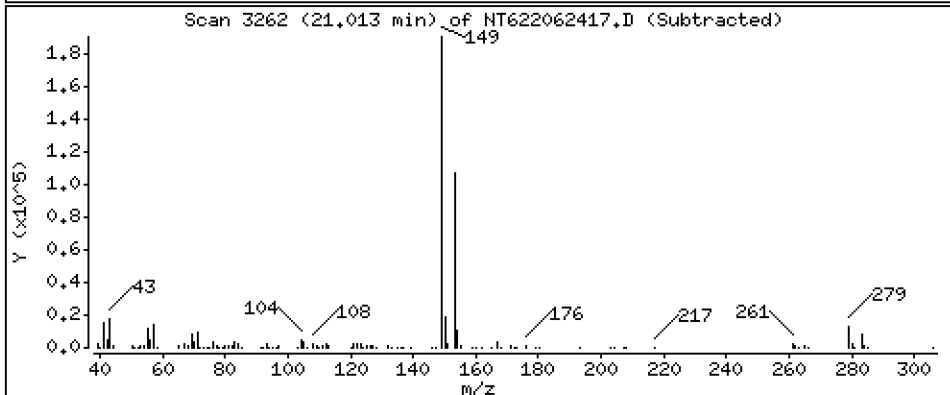
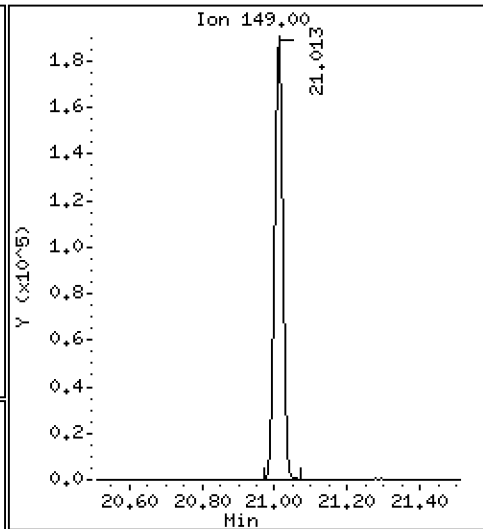
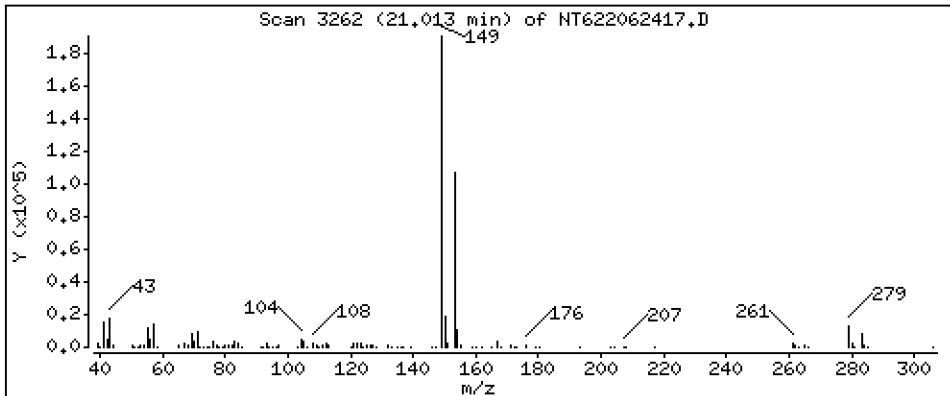
Operator: JZ

Column phase: ZB-5msi

Column diameter: 0.32

73 Di-n-octylphthalate

Concentration: 23.73 ug/mL



Date : 24-JUN-2022 19:27

Client ID:

Instrument: nt6.i

Sample Info: CCV220624A

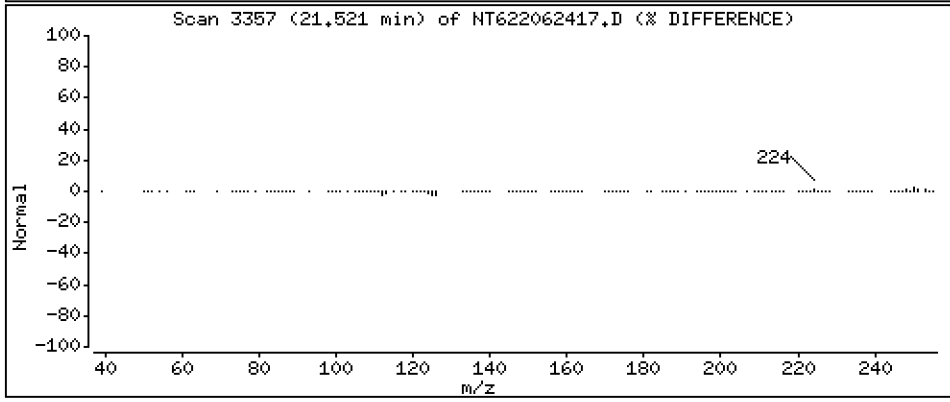
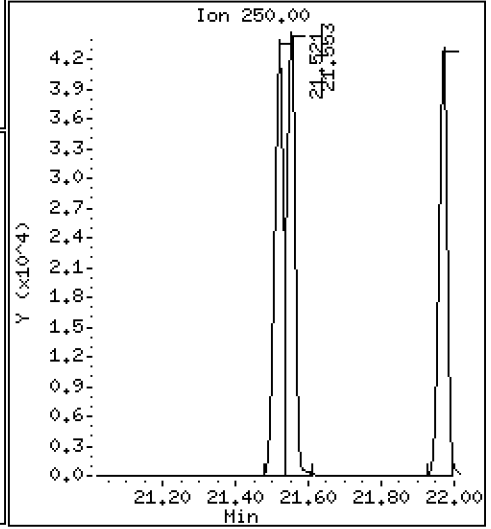
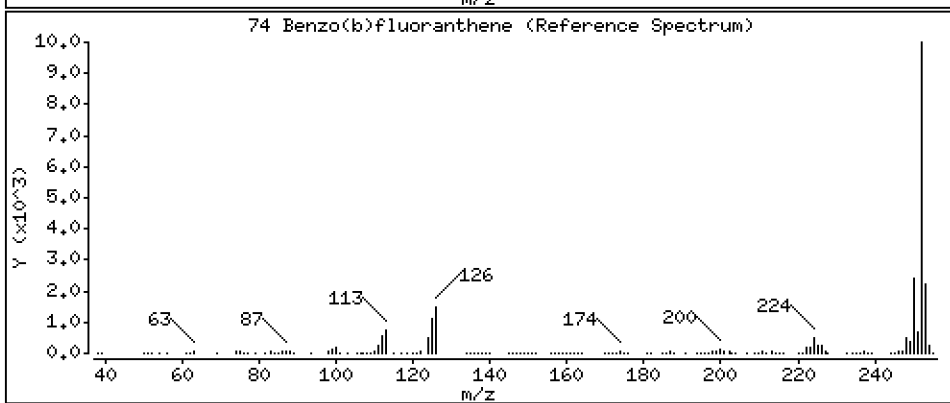
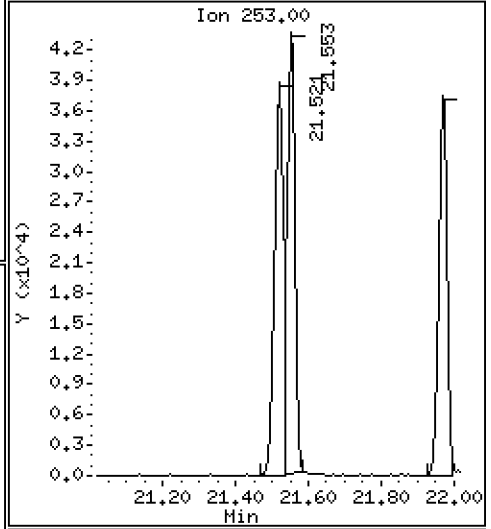
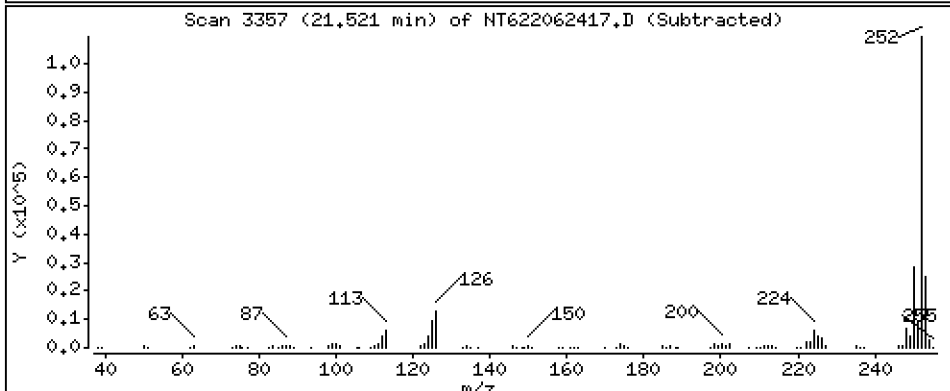
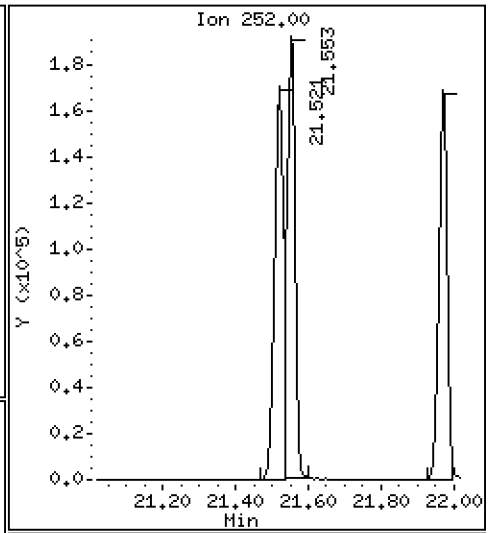
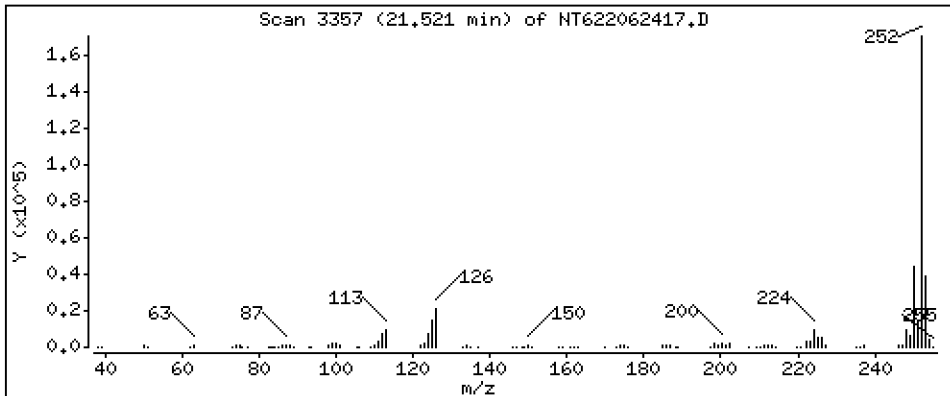
Operator: JZ

Column phase: ZB-5msi

Column diameter: 0.32

74 Benzo(b)fluoranthene

Concentration: 25.71 ug/mL



Date : 24-JUN-2022 19:27

Client ID:

Instrument: nt6.i

Sample Info: CCV220624A

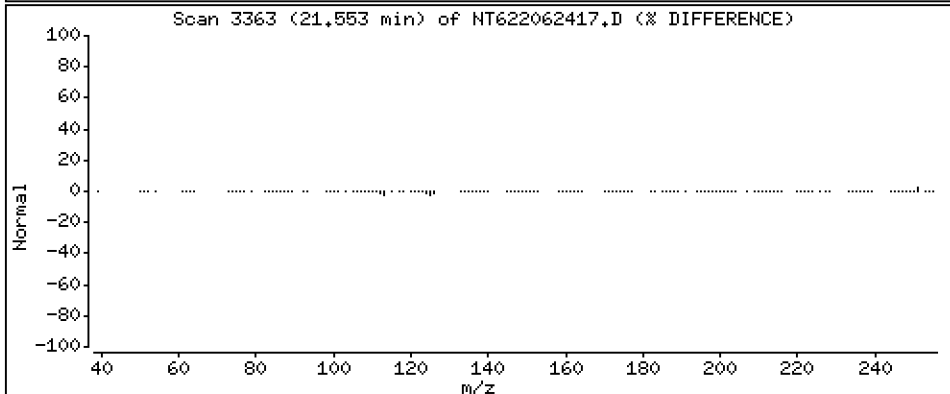
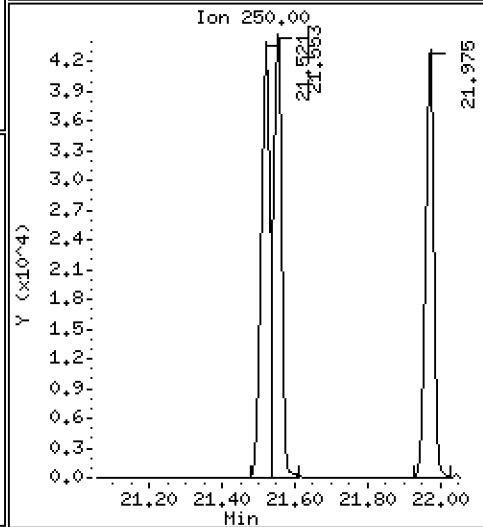
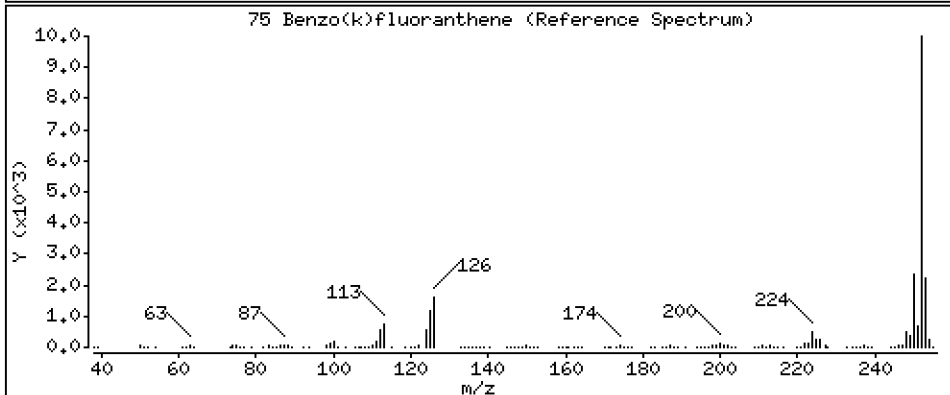
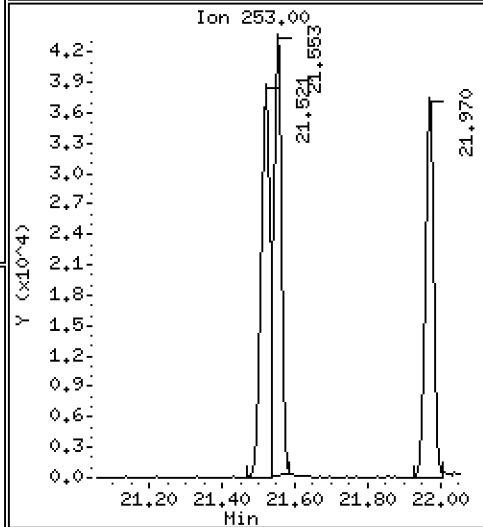
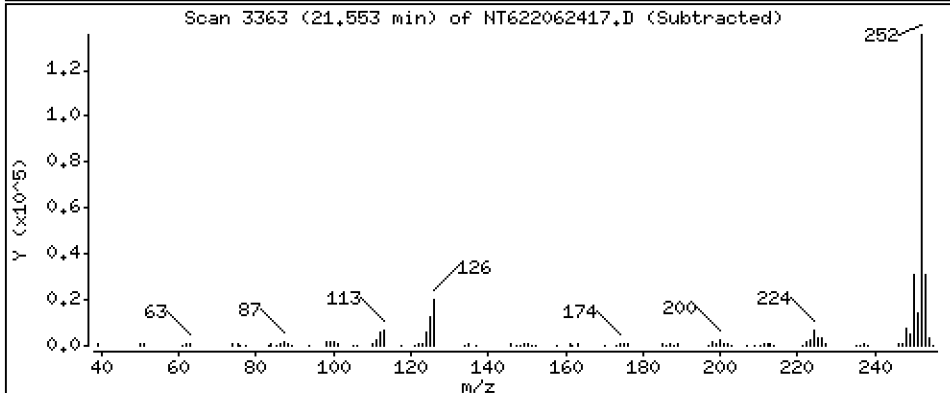
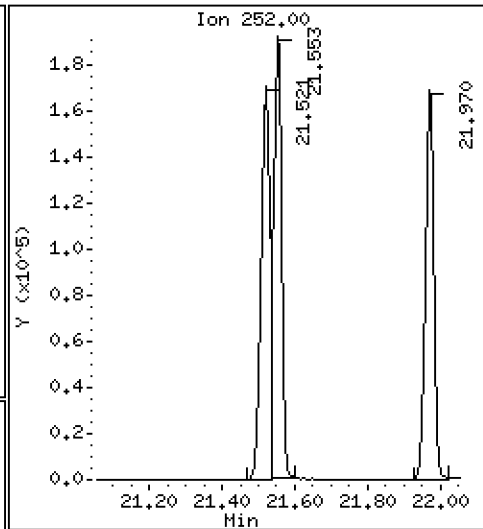
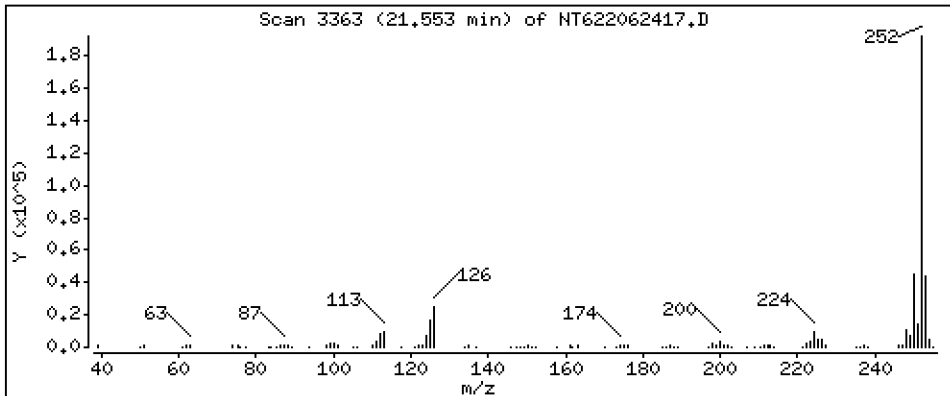
Operator: JZ

Column phase: ZB-5msi

Column diameter: 0,32

75 Benzo(k)fluoranthene

Concentration: 25,51 ug/mL



Date : 24-JUN-2022 19:27

Client ID:

Instrument: nt6.i

Sample Info: CCV220624A

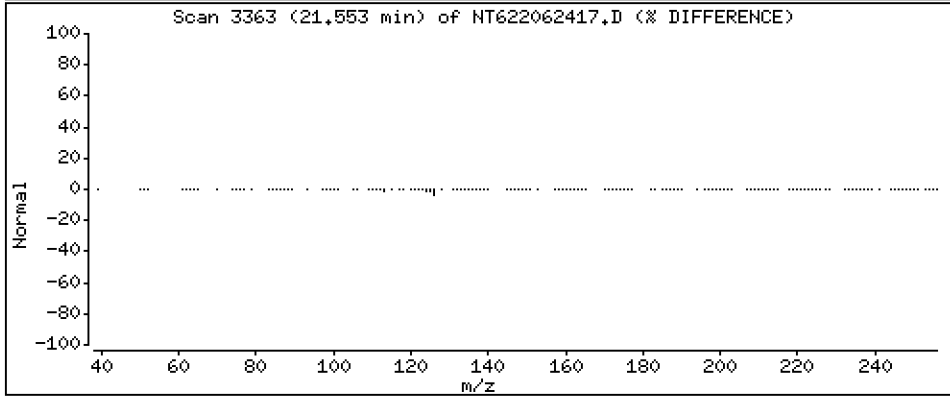
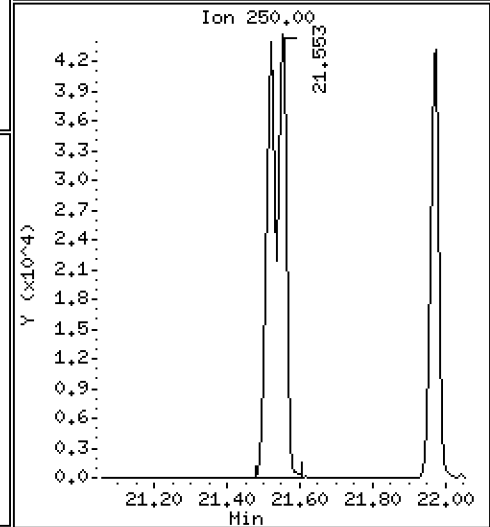
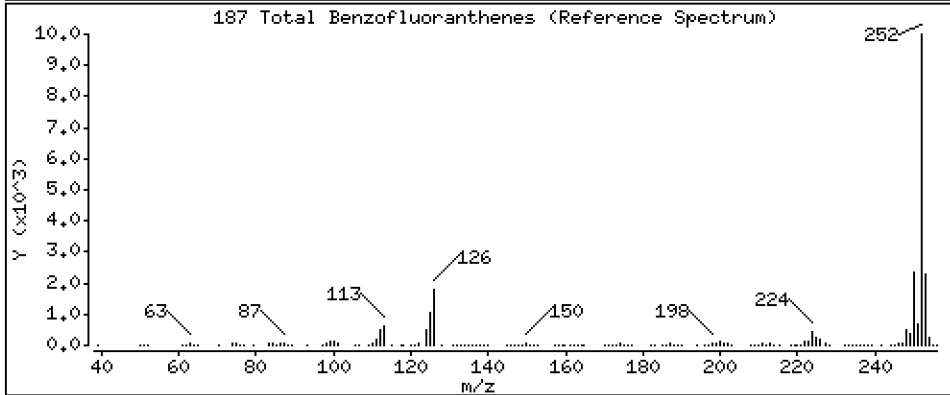
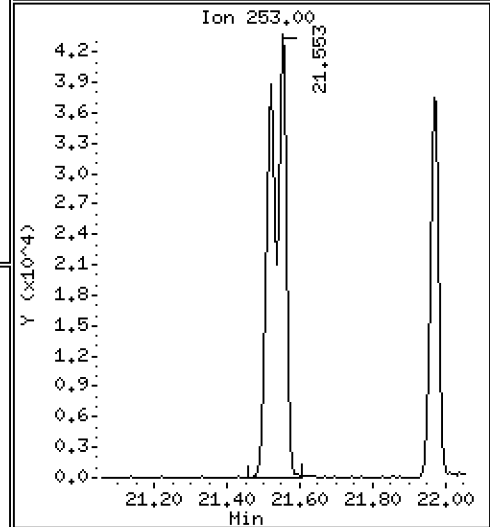
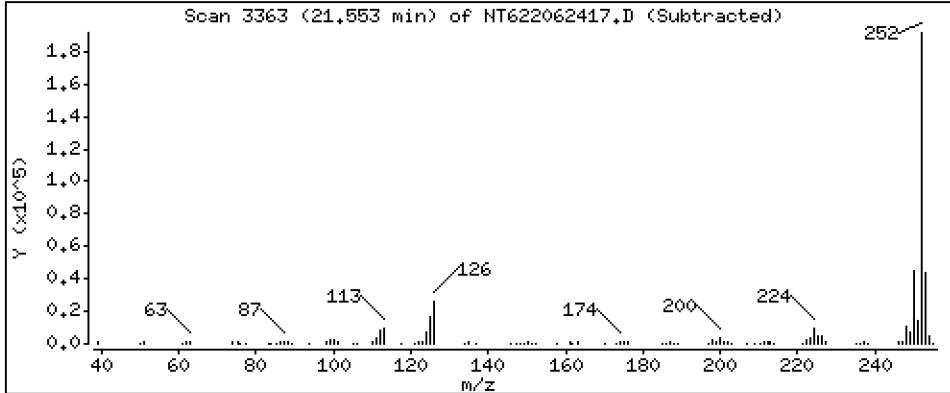
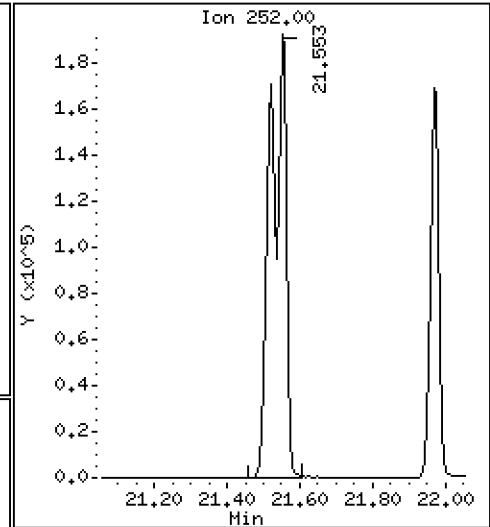
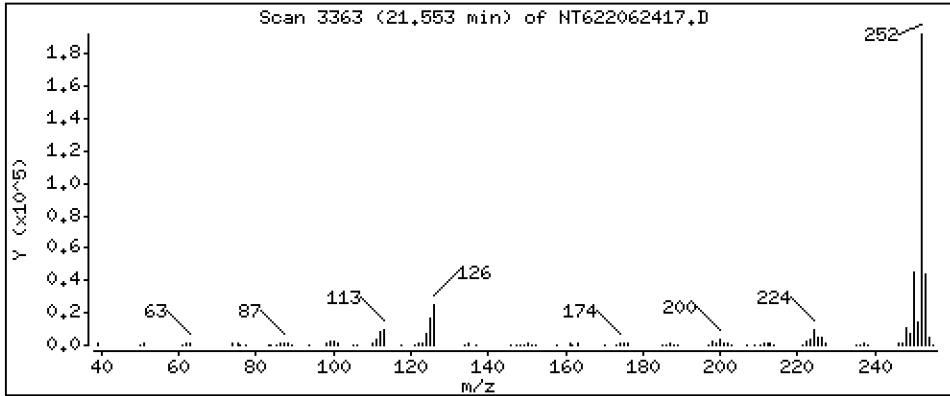
Operator: JZ

Column phase: ZB-5msi

Column diameter: 0,32

187 Total Benzofluoranthenes

Concentration: 51,46 ug/mL



Date : 24-JUN-2022 19:27

Client ID:

Instrument: nt6.i

Sample Info: CCV220624A

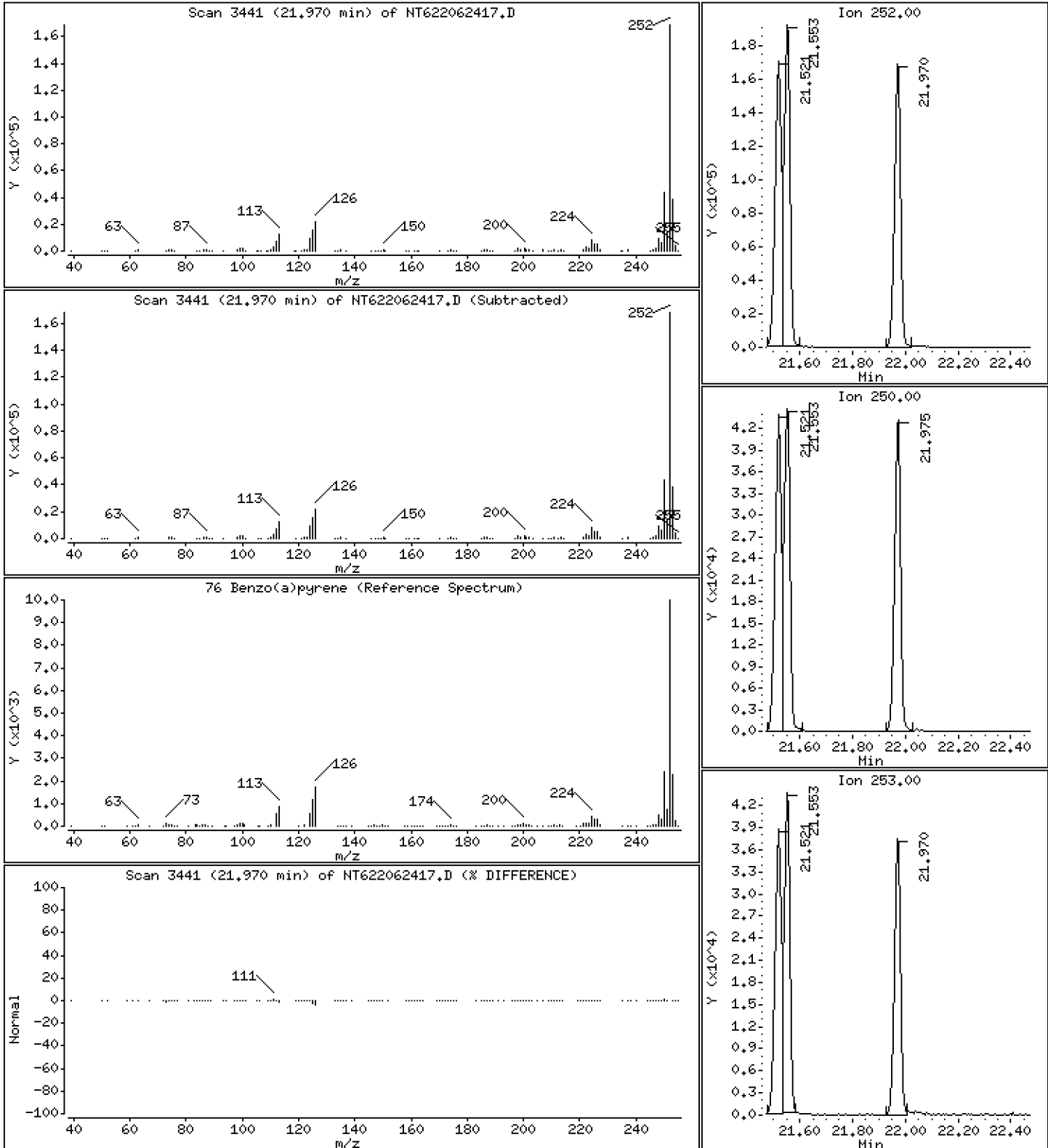
Operator: JZ

Column phase: ZB-5msi

Column diameter: 0,32

76 Benzo(a)pyrene

Concentration: 24,65 ug/mL



Date : 24-JUN-2022 19:27

Client ID:

Instrument: nt6.i

Sample Info: CCV220624A

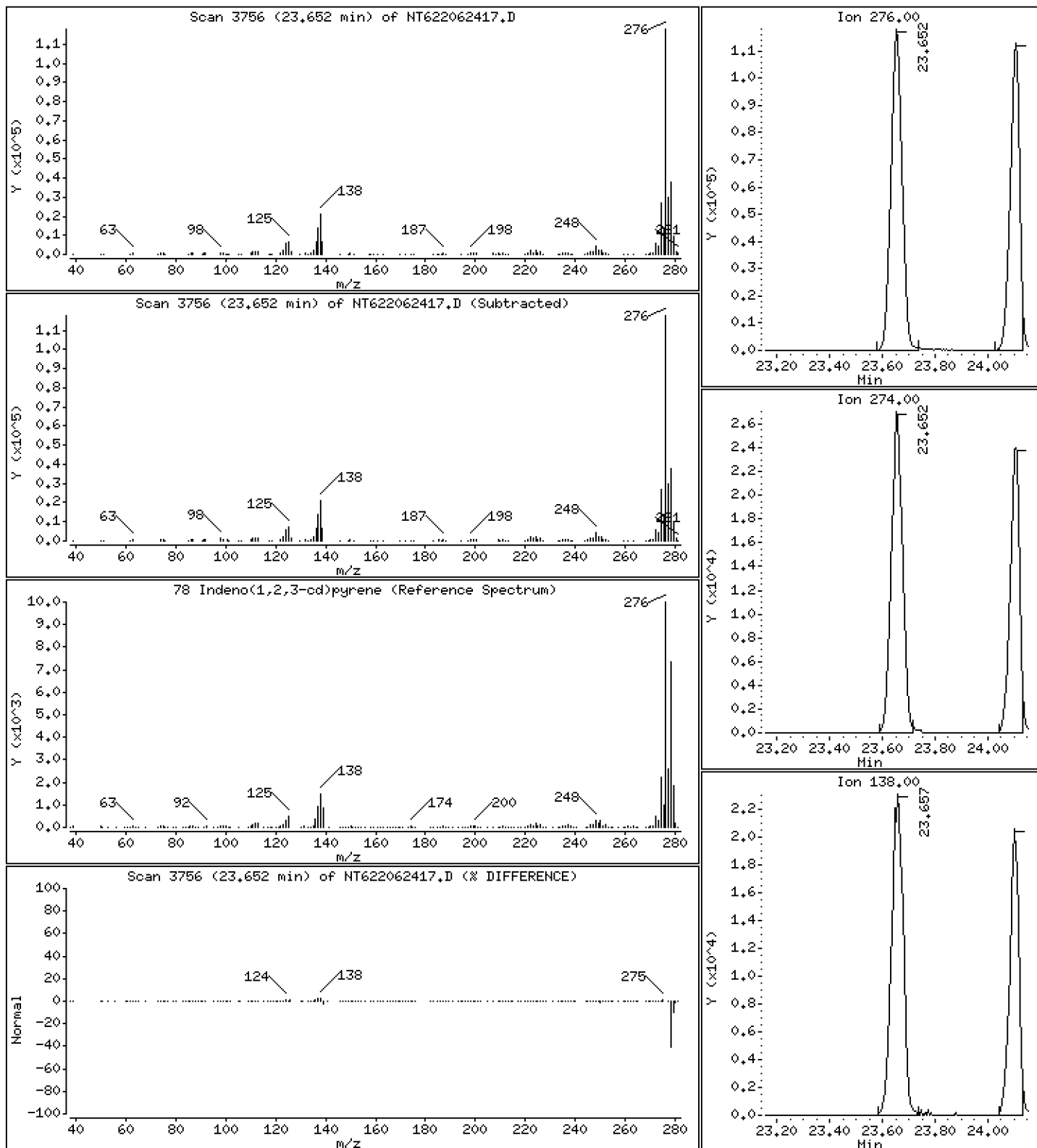
Operator: JZ

Column phase: ZB-5msi

Column diameter: 0.32

78 Indeno(1,2,3-cd)pyrene

Concentration: 21.60 ug/mL



Date : 24-JUN-2022 19:27

Client ID:

Instrument: nt6.i

Sample Info: CCV220624A

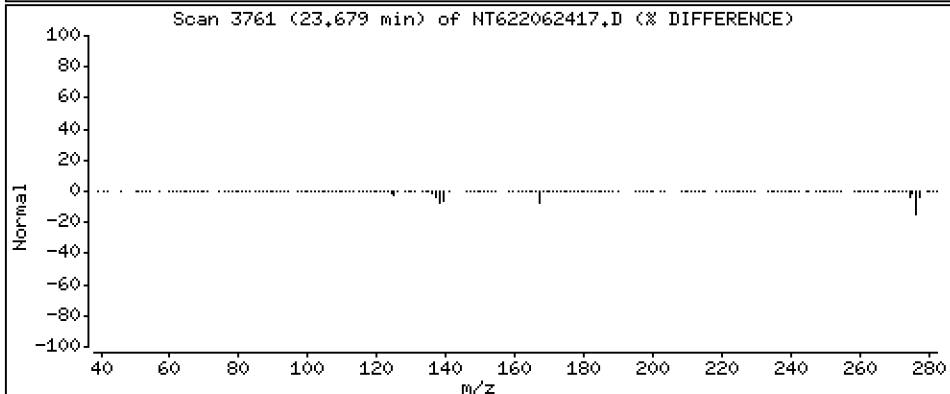
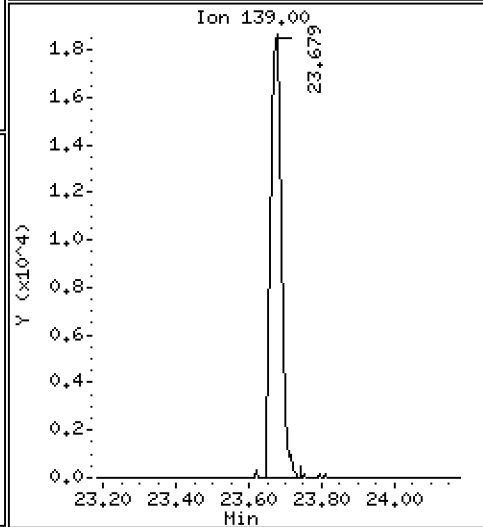
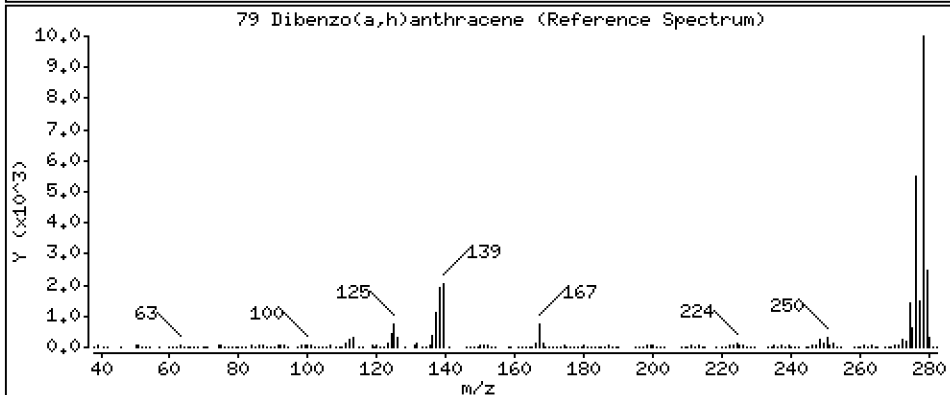
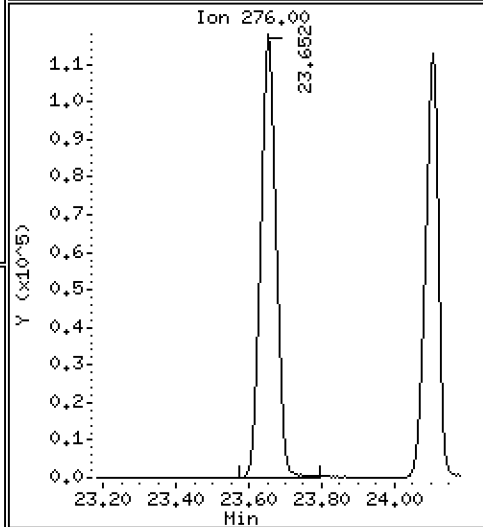
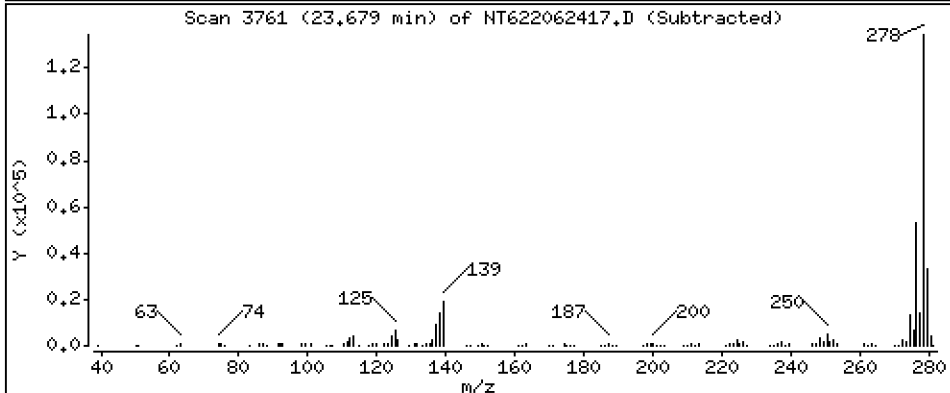
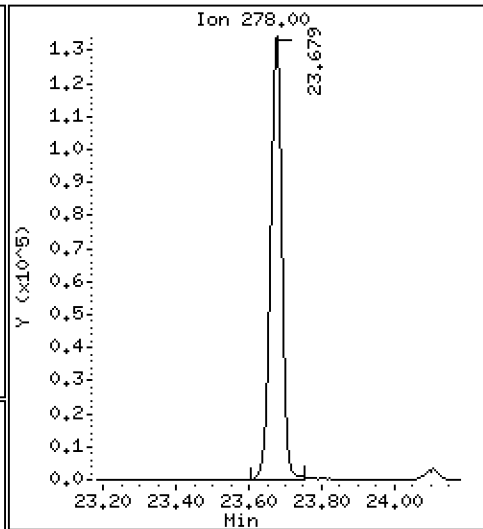
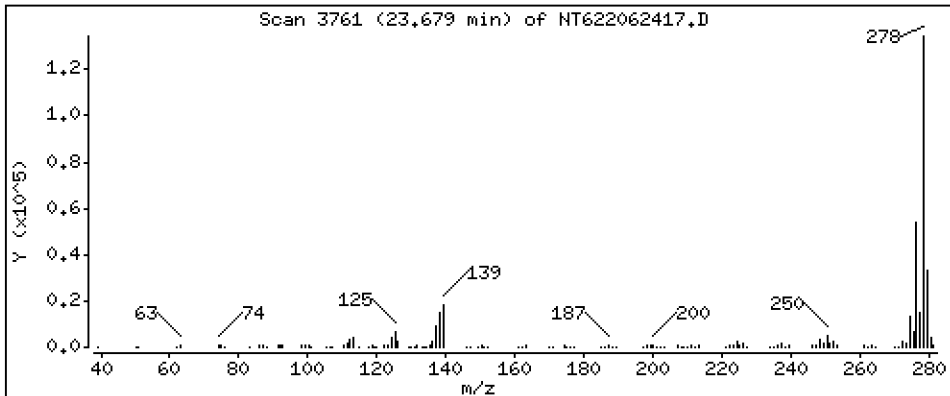
Operator: JZ

Column phase: ZB-5msi

Column diameter: 0,32

79 Dibenzo(a,h)anthracene

Concentration: 21,94 ug/mL



Date : 24-JUN-2022 19:27

Client ID:

Instrument: nt6.i

Sample Info: CCV220624A

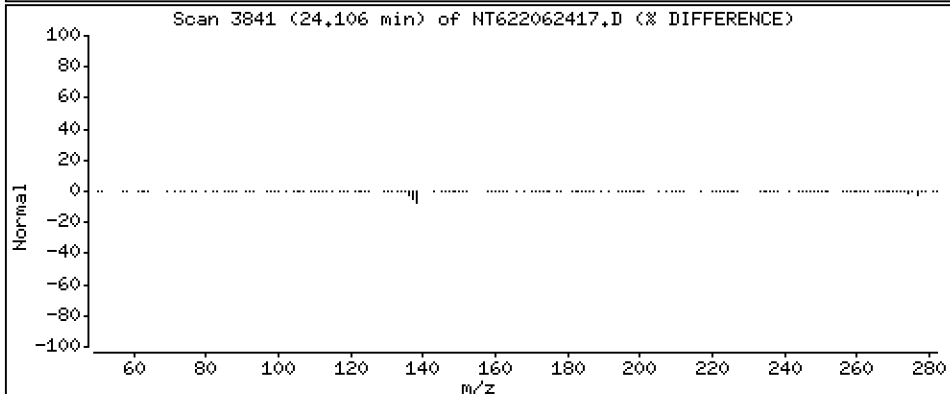
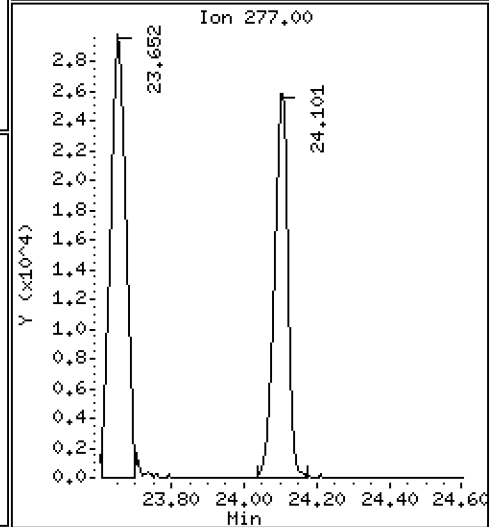
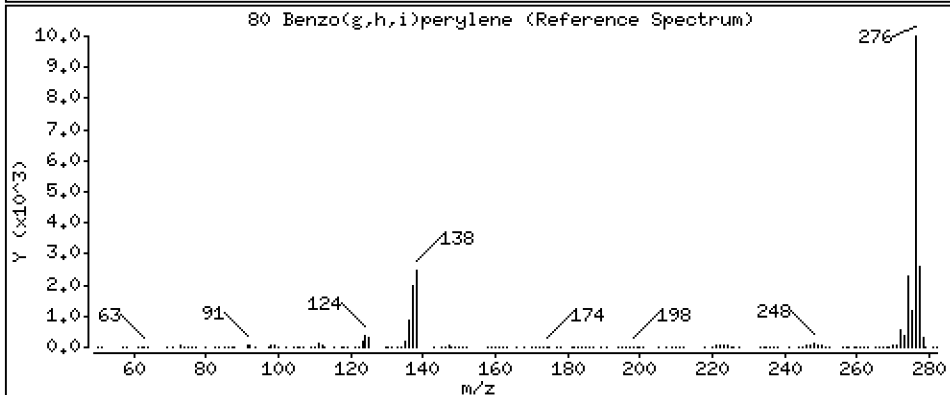
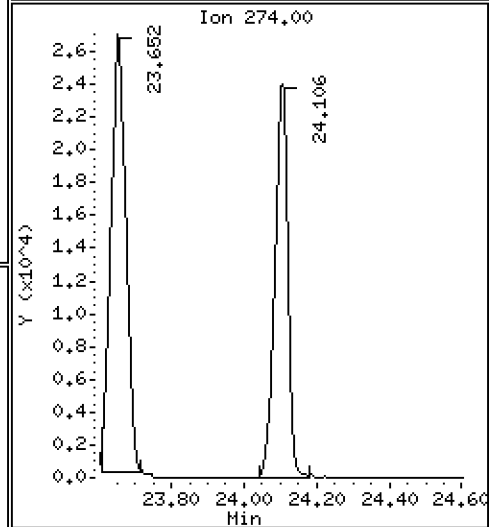
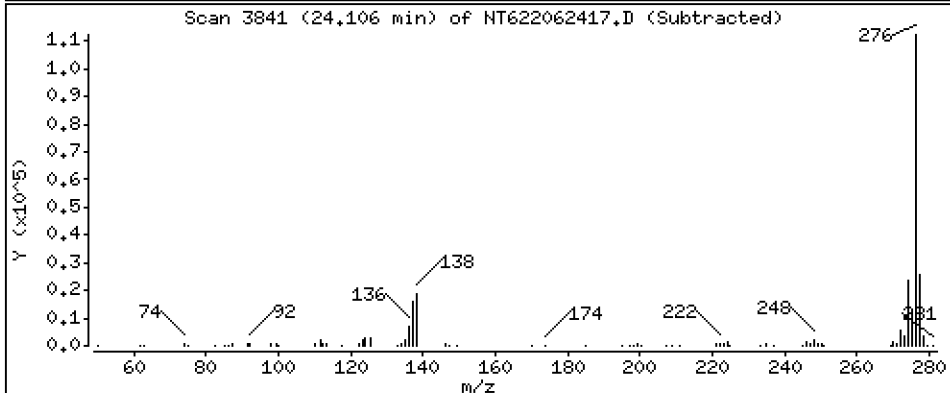
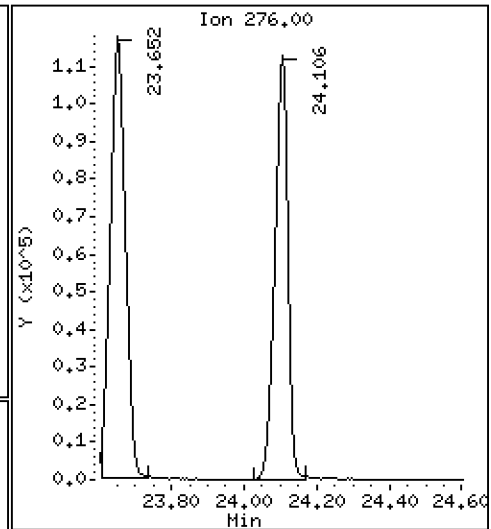
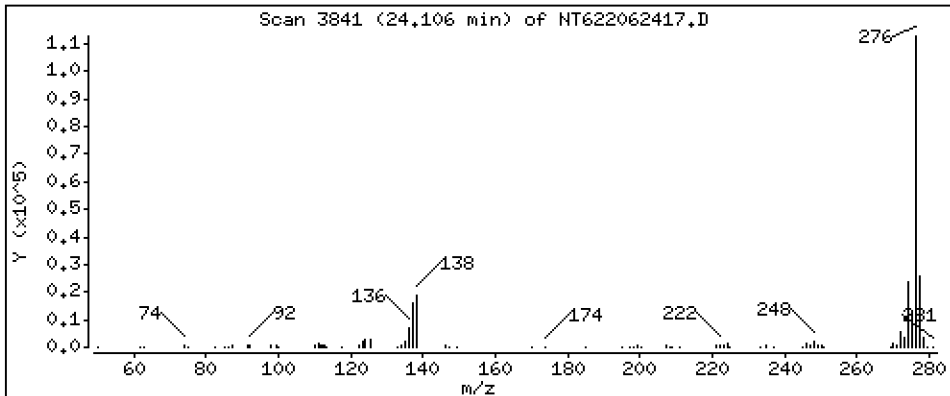
Operator: JZ

Column phase: ZB-5msi

Column diameter: 0.32

80 Benzo(g,h,i)perylene

Concentration: 20.55 ug/mL



Date : 24-JUN-2022 19:27

Client ID:

Instrument: nt6.i

Sample Info: CCV220624A

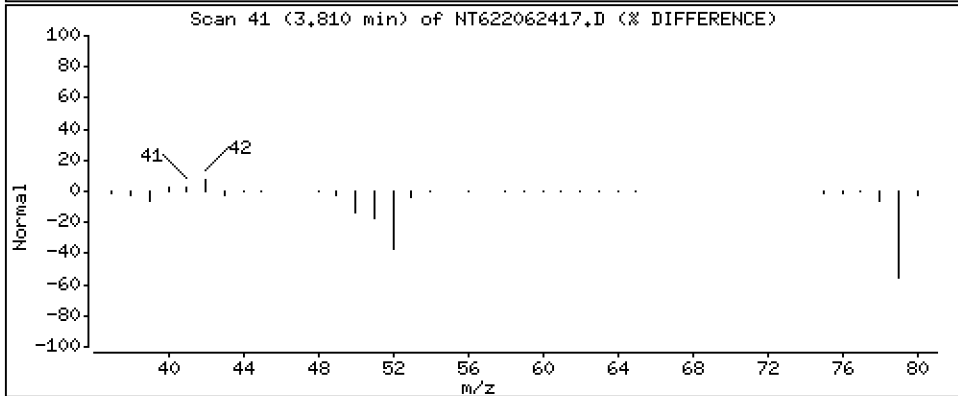
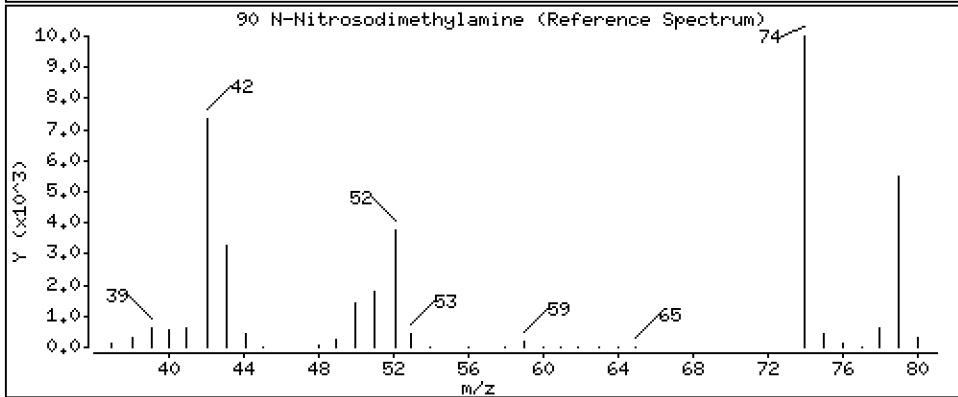
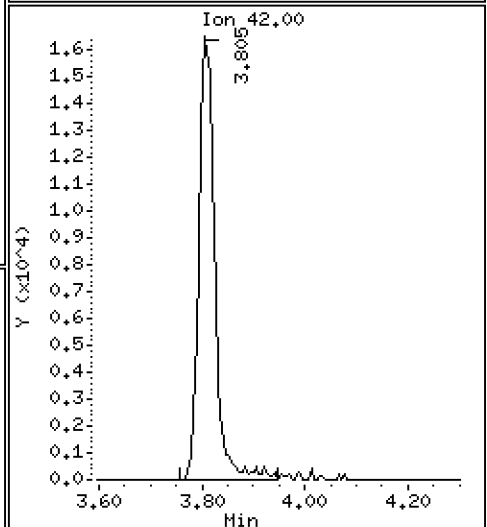
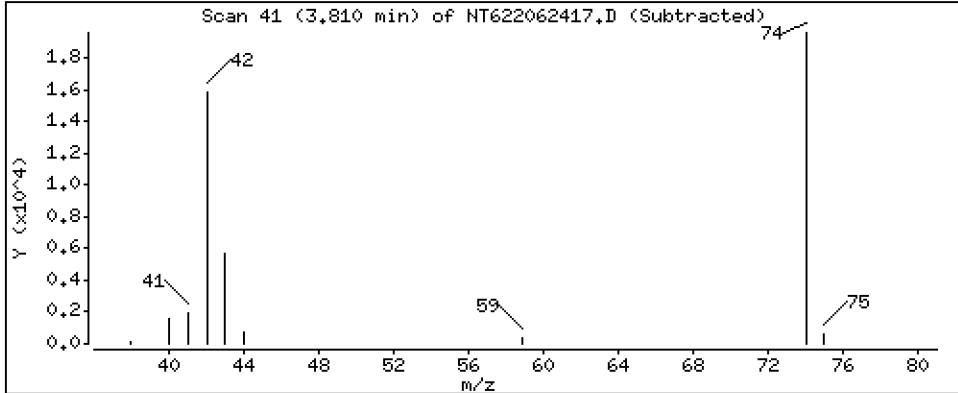
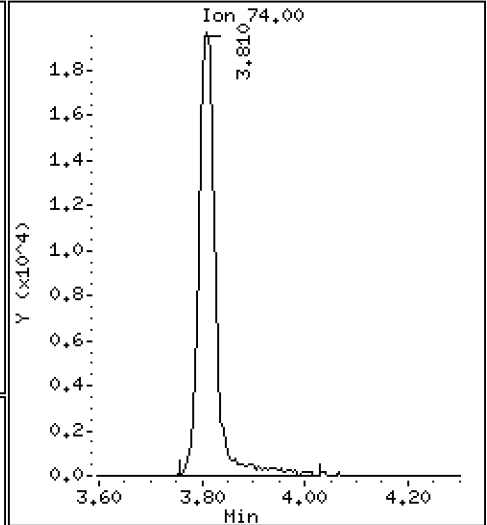
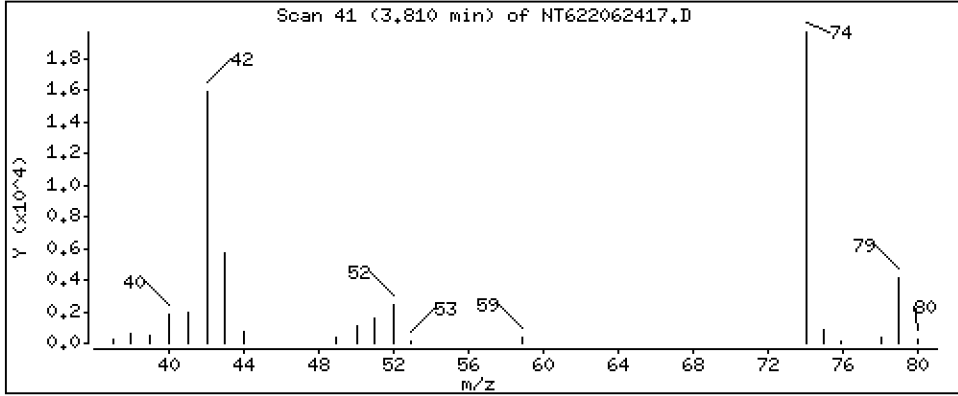
Operator: JZ

Column phase: ZB-5msi

Column diameter: 0.32

90 N-Nitrosodimethylamine

Concentration: 30.23 ug/mL



Date : 24-JUN-2022 19:27

Client ID:

Instrument: nt6.i

Sample Info: CCV220624A

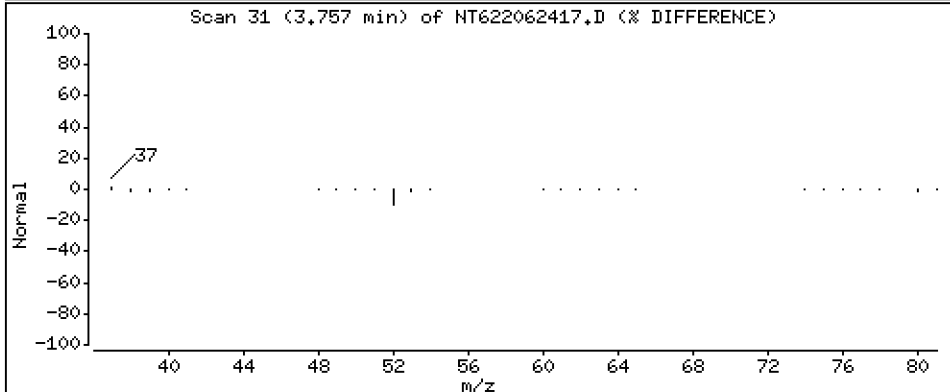
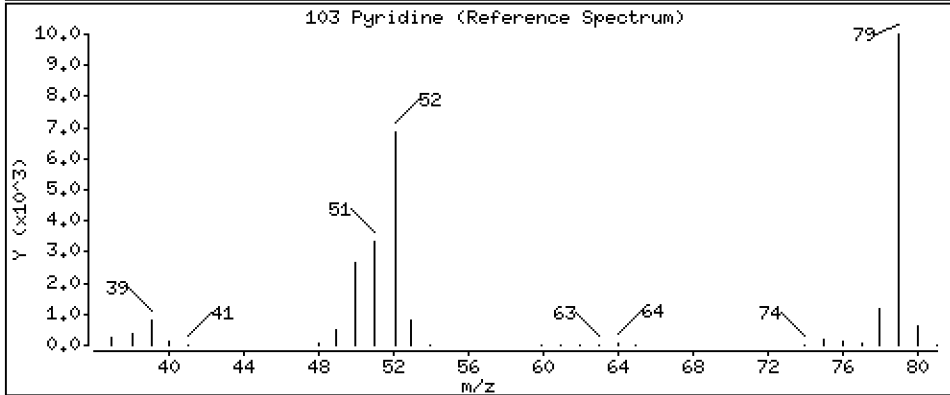
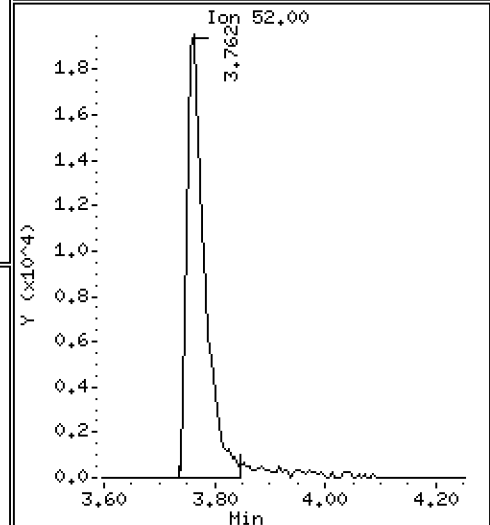
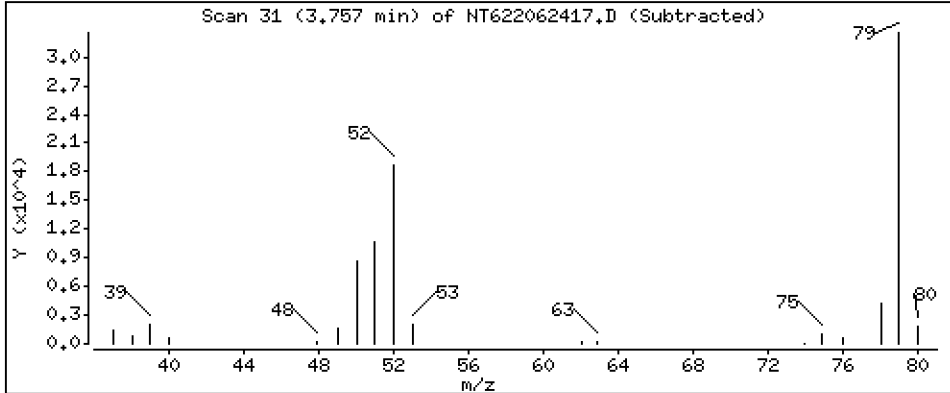
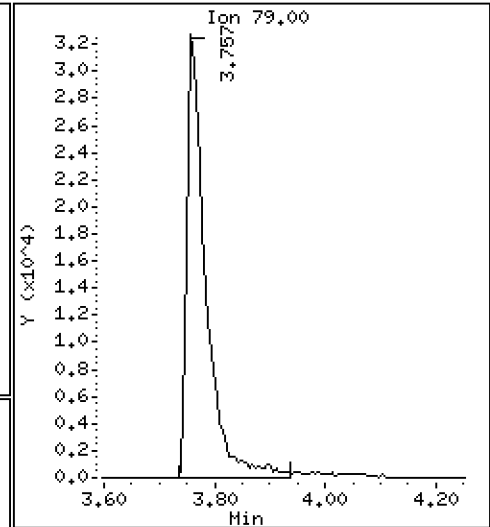
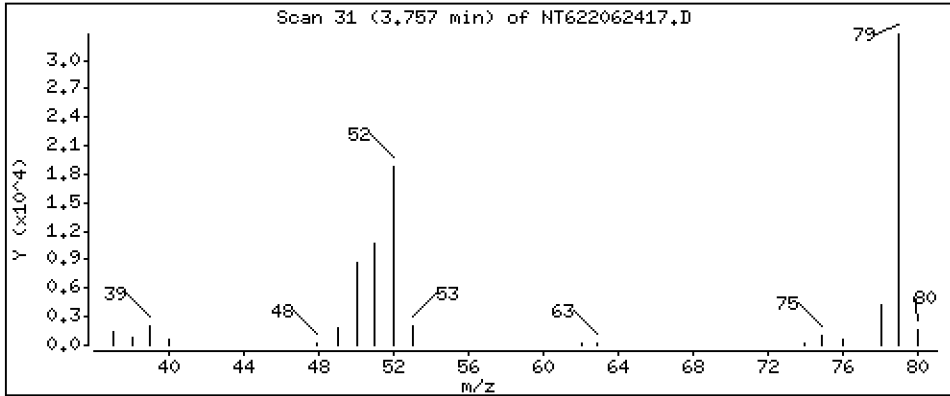
Operator: JZ

Column phase: ZB-5msi

Column diameter: 0.32

103 Pyridine

Concentration: 28.22 ug/mL



Date : 24-JUN-2022 19:27

Client ID:

Instrument: nt6.i

Sample Info: CCV220624A

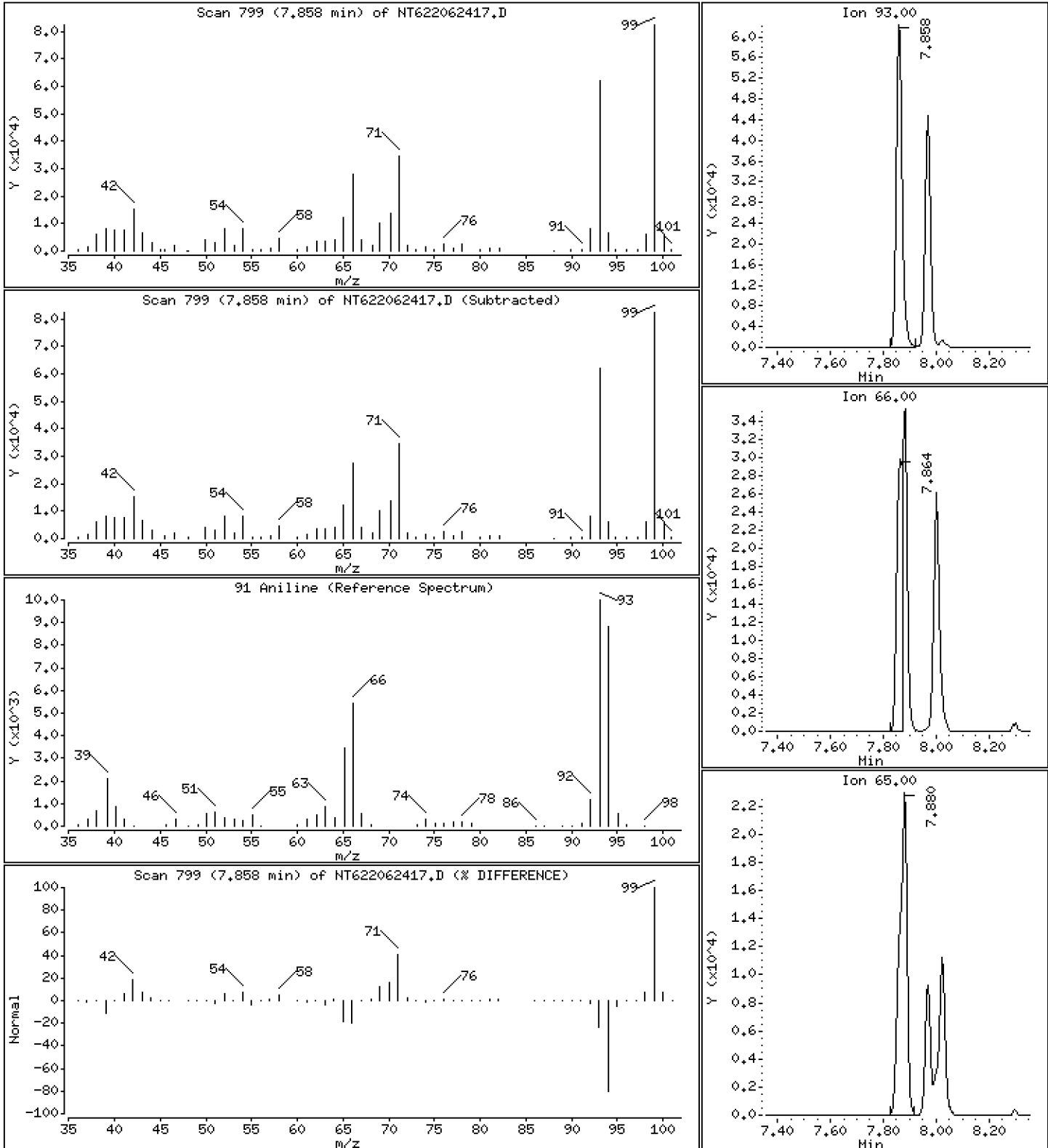
Operator: JZ

Column phase: ZB-5msi

Column diameter: 0.32

91 Aniline

Concentration: 22.64 ug/mL



Date : 24-JUN-2022 19:27

Client ID:

Instrument: nt6.i

Sample Info: CCV220624A

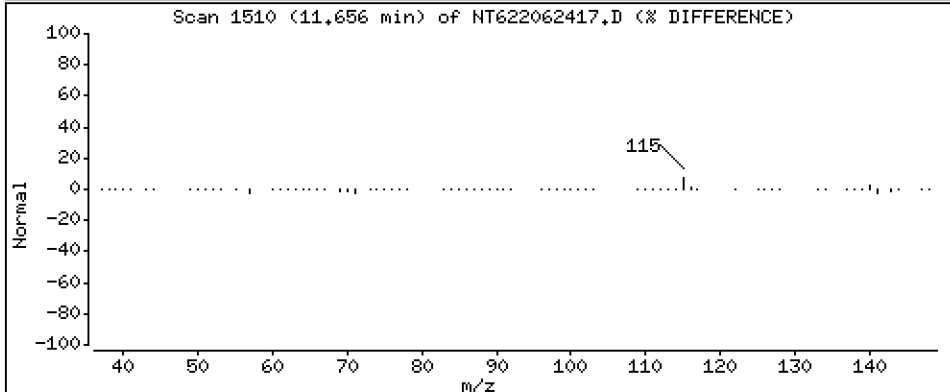
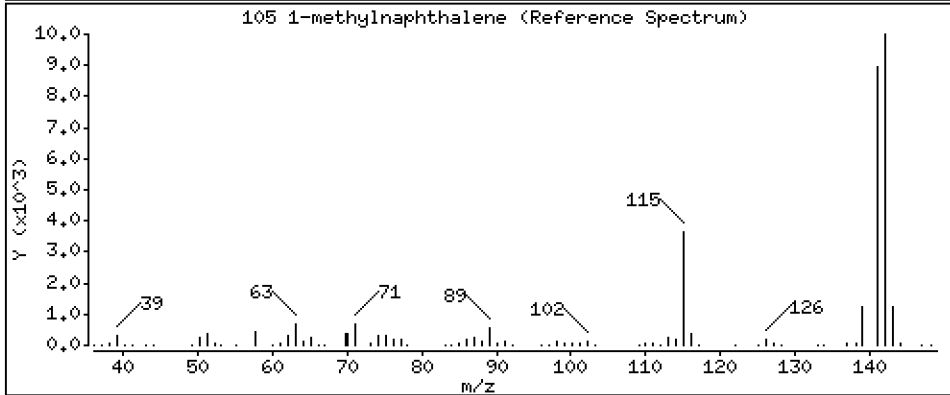
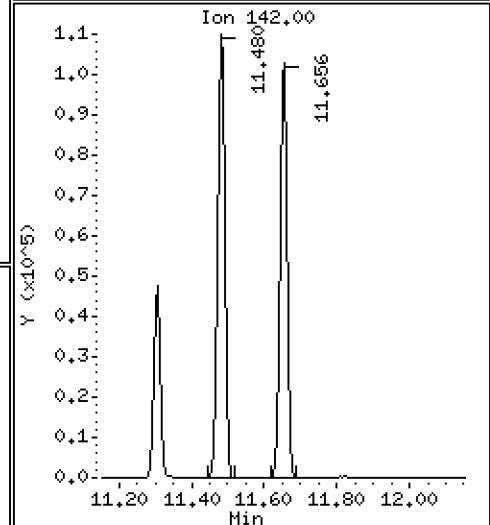
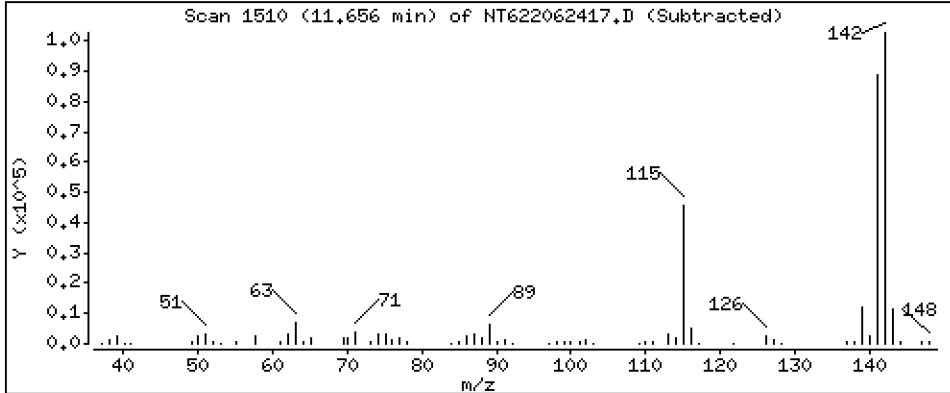
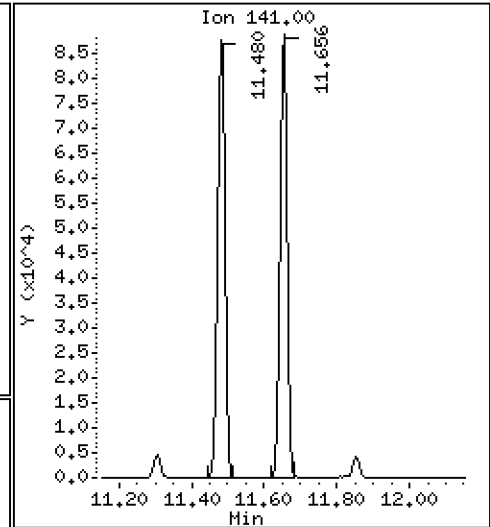
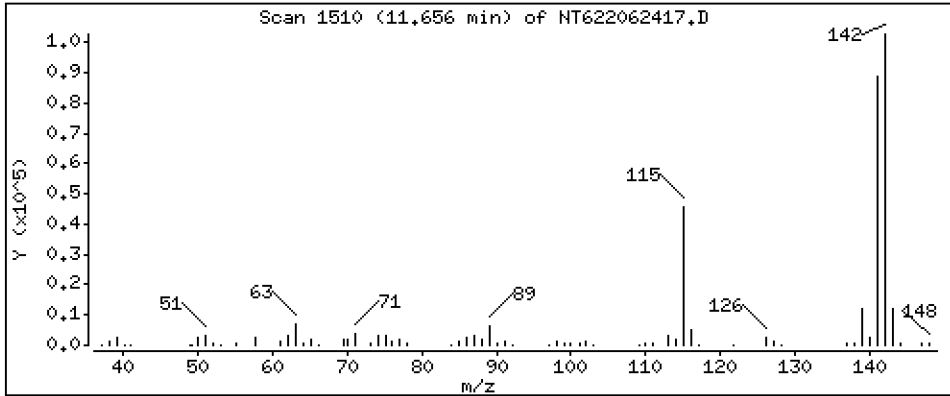
Operator: JZ

Column phase: ZB-5msi

Column diameter: 0.32

105 1-methylnaphthalene

Concentration: 26.05 ug/mL



Date : 24-JUN-2022 19:27

Client ID:

Instrument: nt6.i

Sample Info: CCV220624A

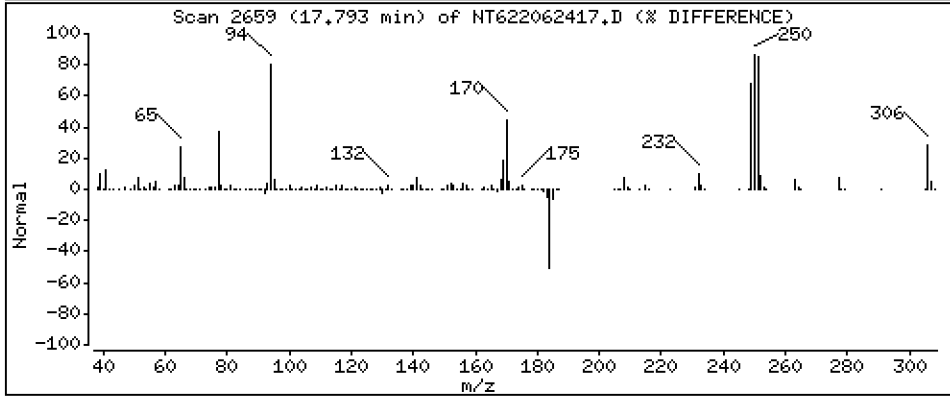
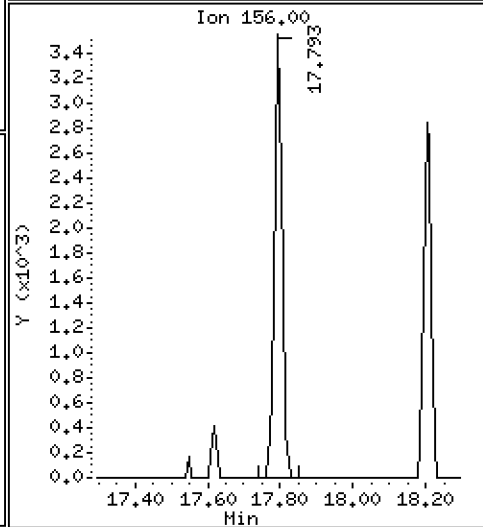
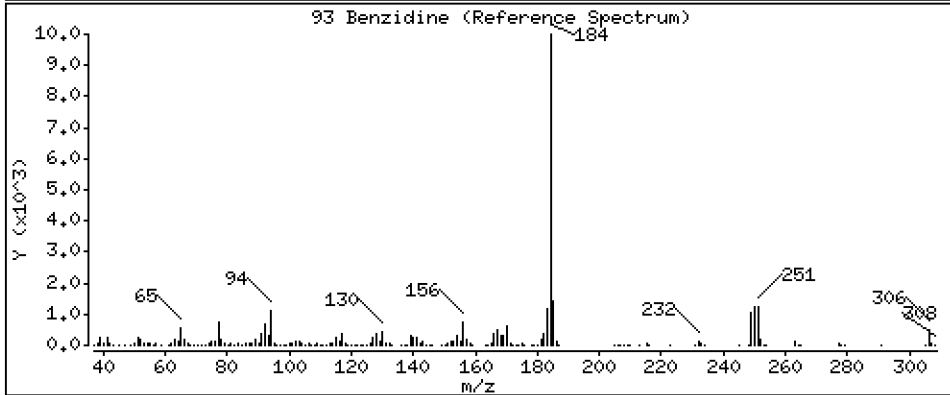
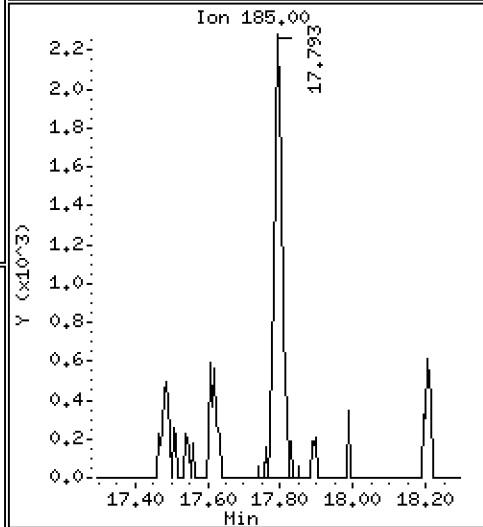
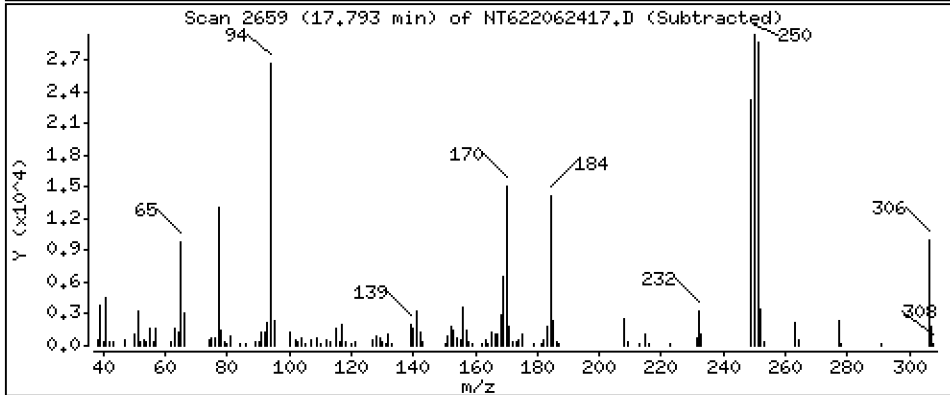
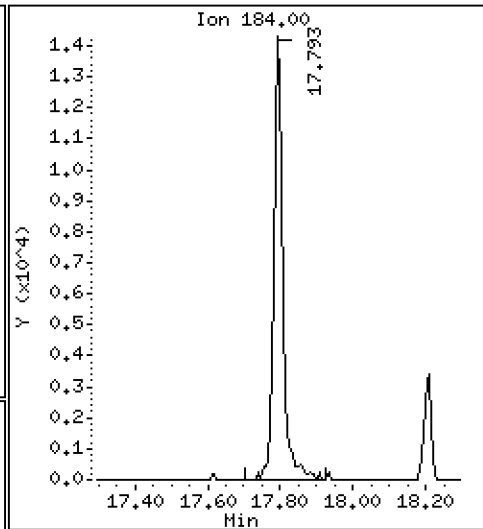
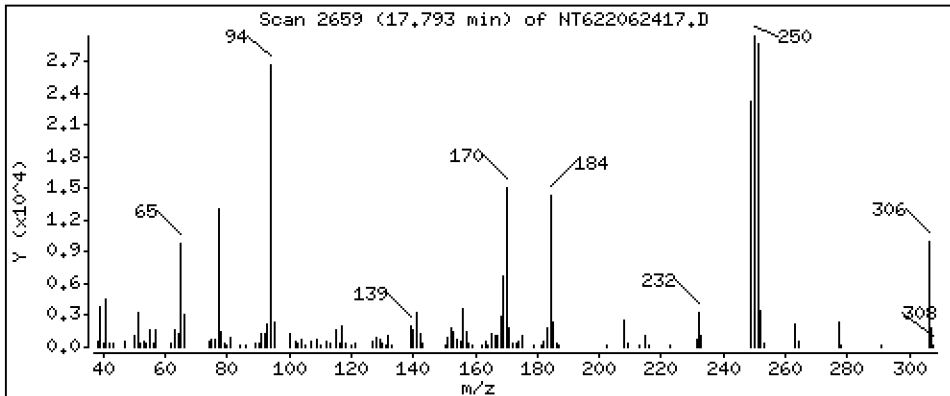
Operator: JZ

Column phase: ZB-5msi

Column diameter: 0.32

93 Benzidine

Concentration: 6.682 ug/mL



Date : 24-JUN-2022 19:27

Client ID:

Instrument: nt6.i

Sample Info: CCV220624A

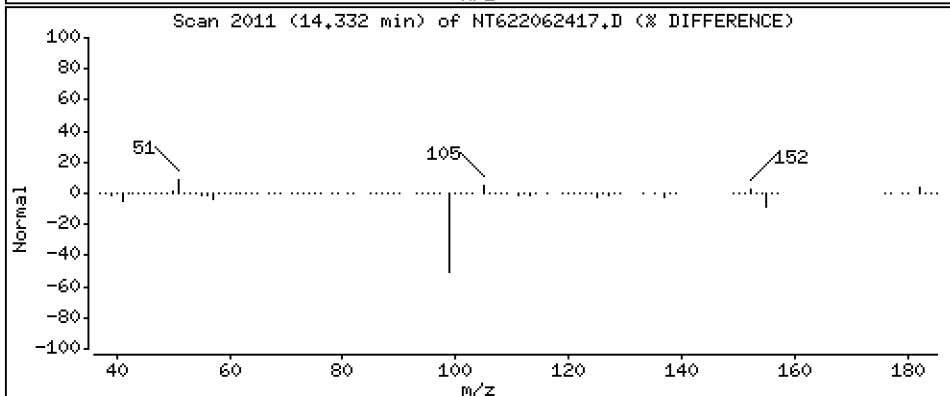
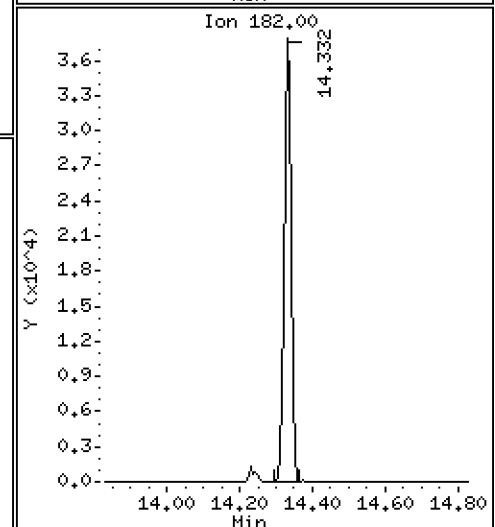
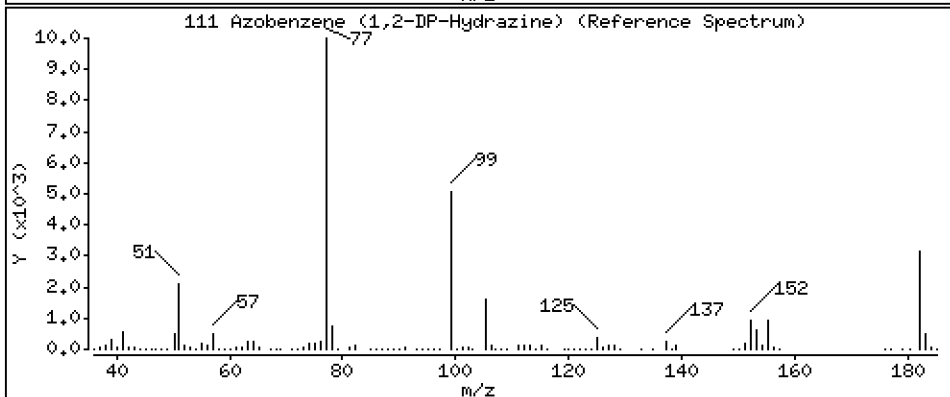
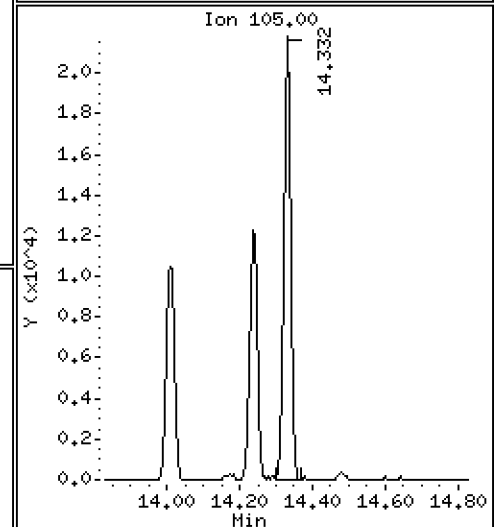
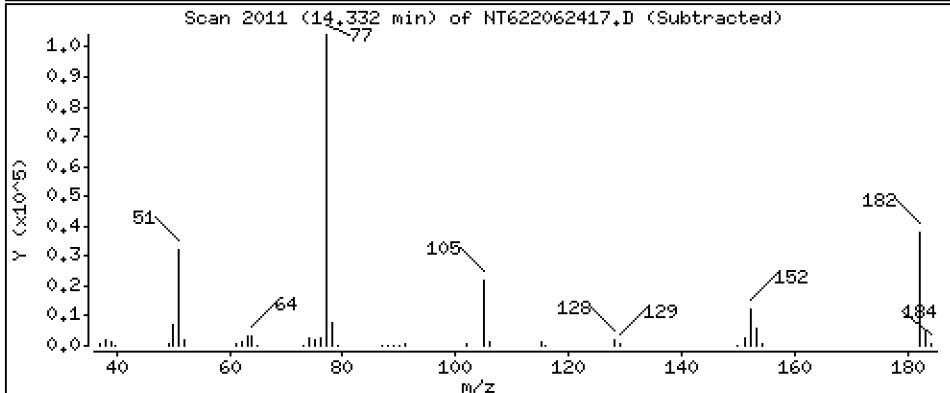
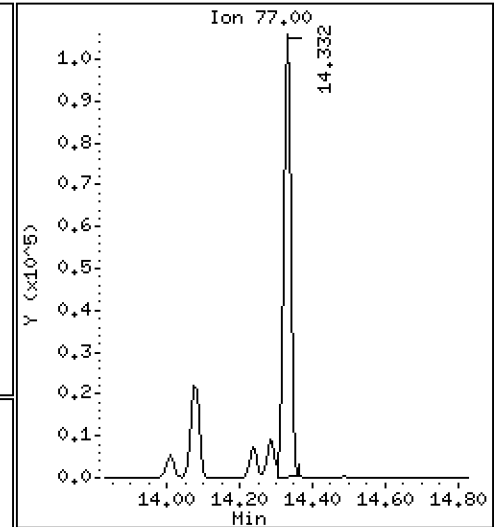
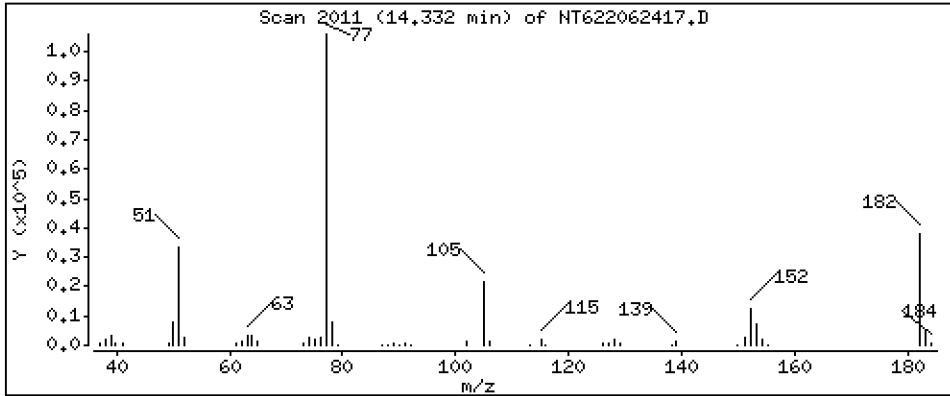
Operator: JZ

Column phase: ZB-5msi

Column diameter: 0.32

111 Azobenzene (1,2-DP-Hydrazine)

Concentration: 23,20 ug/mL



Date : 24-JUN-2022 19:27

Client ID:

Instrument: nt6.i

Sample Info: CCV220624A

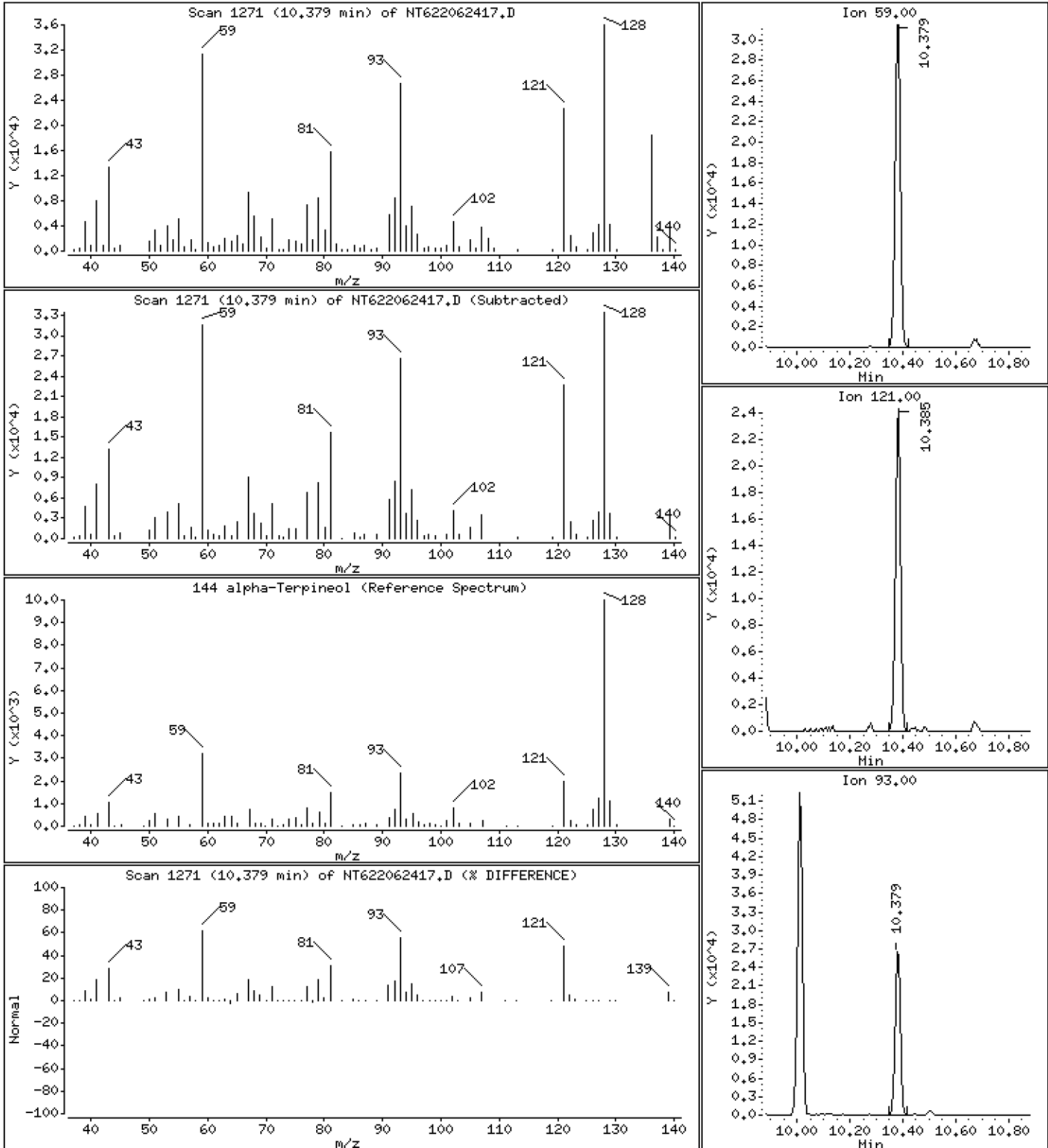
Operator: JZ

Column phase: ZB-5msi

Column diameter: 0,32

144 alpha-Terpineol

Concentration: 25,10 ug/mL



Date : 24-JUN-2022 19:27

Client ID:

Instrument: nt6.i

Sample Info: CCV220624A

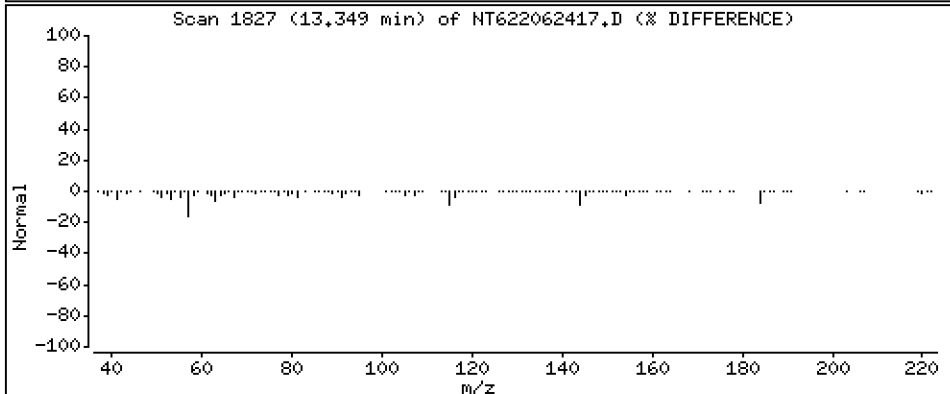
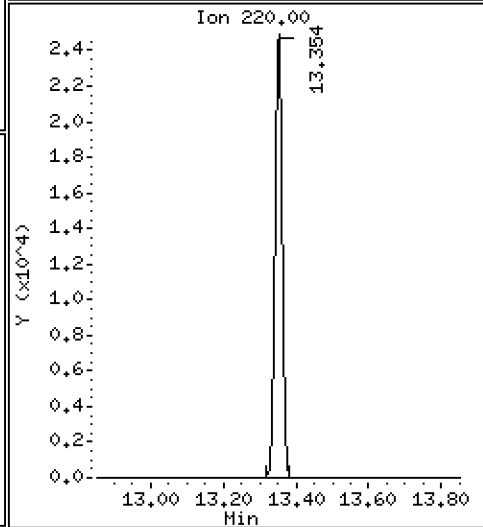
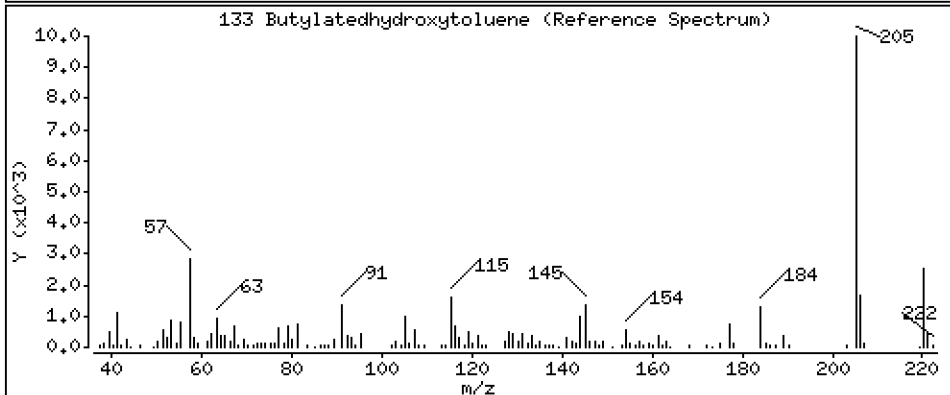
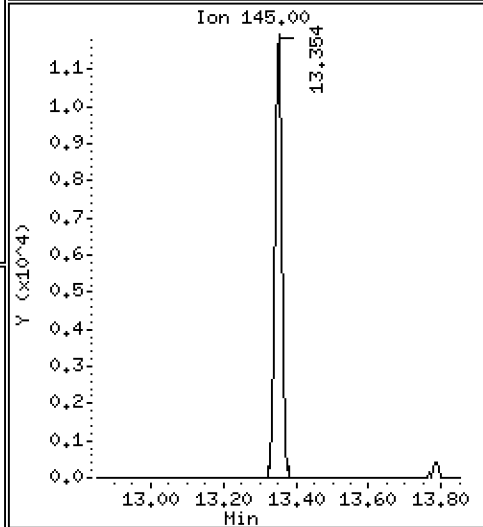
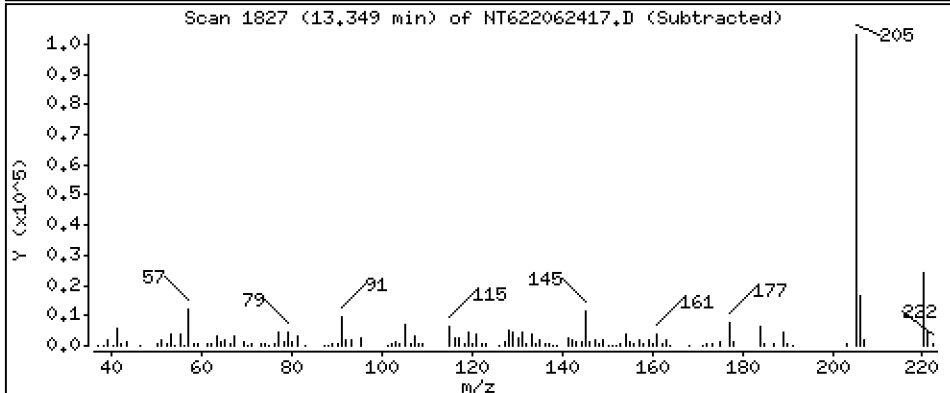
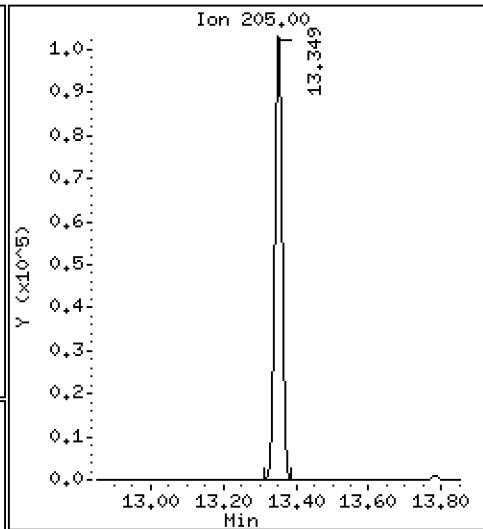
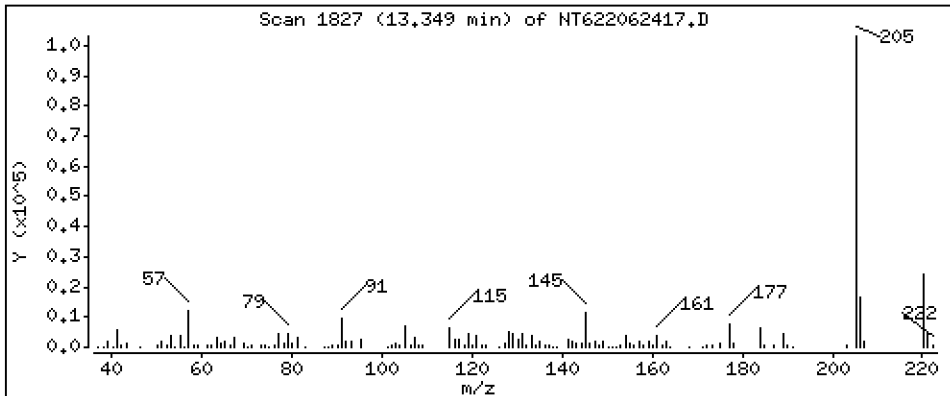
Operator: JZ

Column phase: ZB-5msi

Column diameter: 0.32

133 Butylatedhydroxytoluene

Concentration: 21.24 ug/mL



Date : 24-JUN-2022 19:27

Client ID:

Instrument: nt6.i

Sample Info: CCV220624A

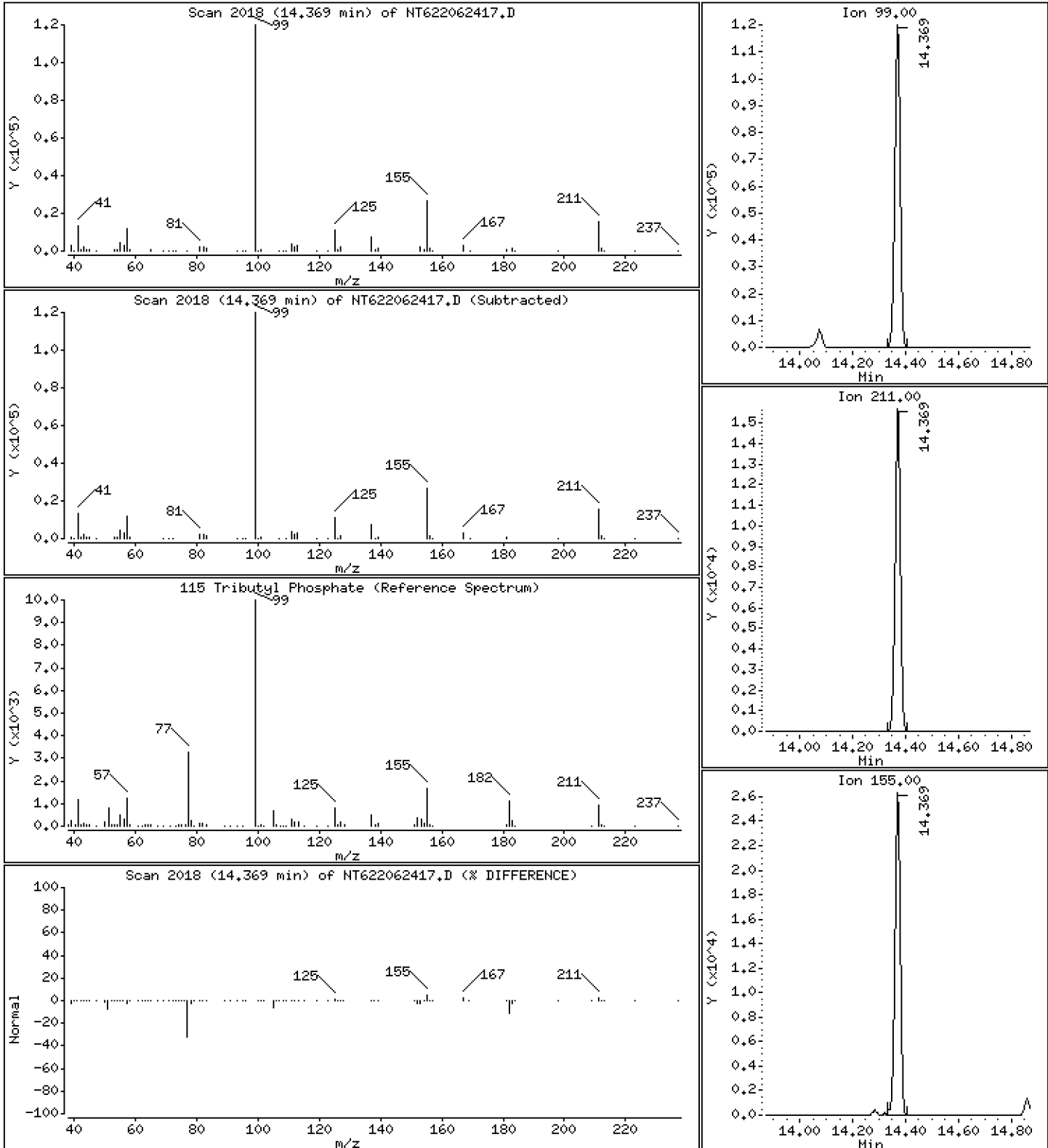
Operator: JZ

Column phase: ZB-5msi

Column diameter: 0.32

115 Tributyl Phosphate

Concentration: 24.08 ug/mL



Date : 24-JUN-2022 19:27

Client ID:

Instrument: nt6.i

Sample Info: CCV220624A

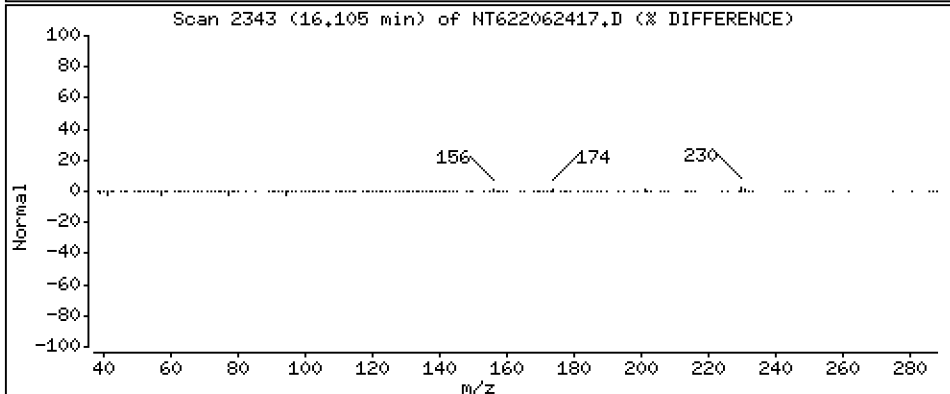
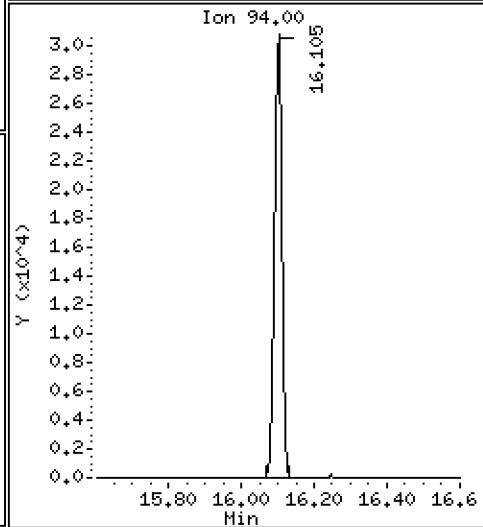
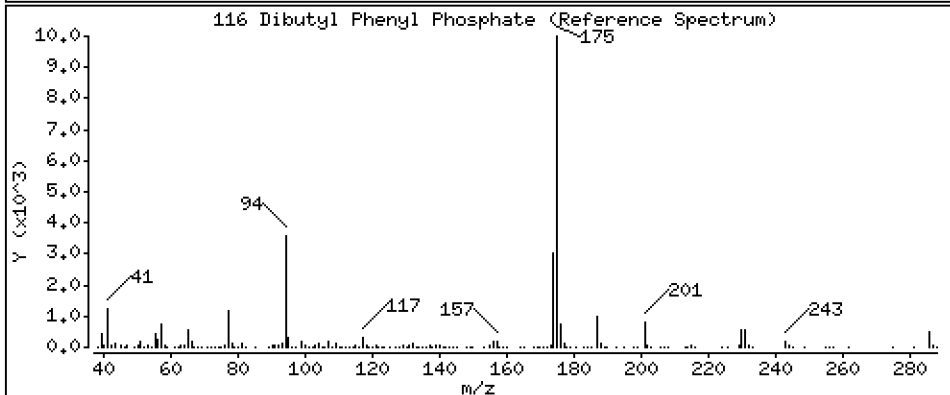
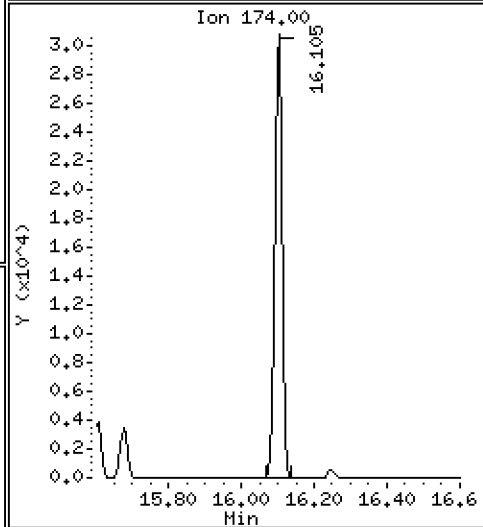
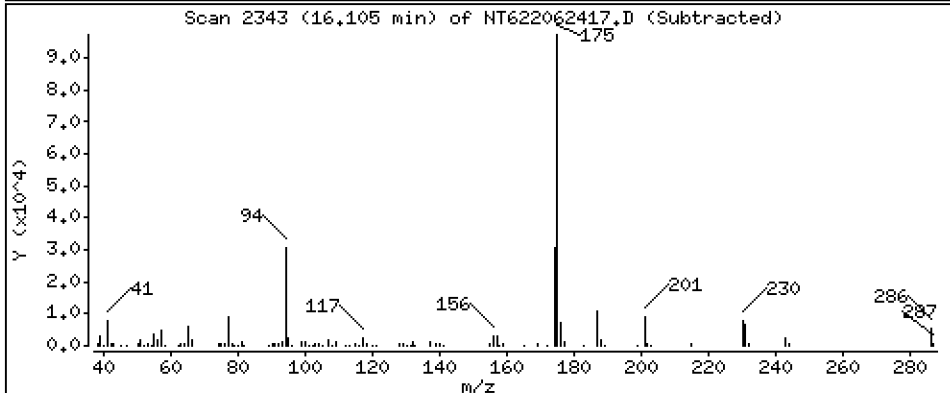
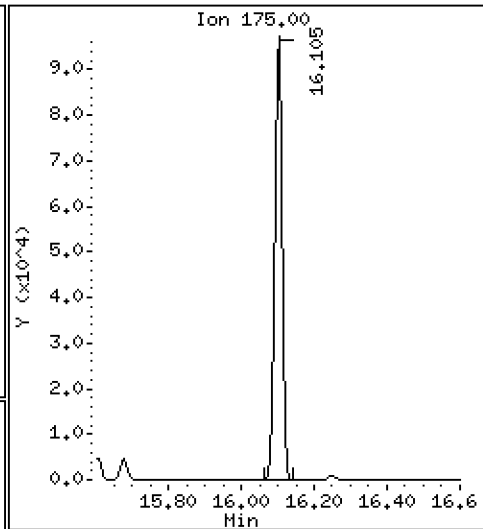
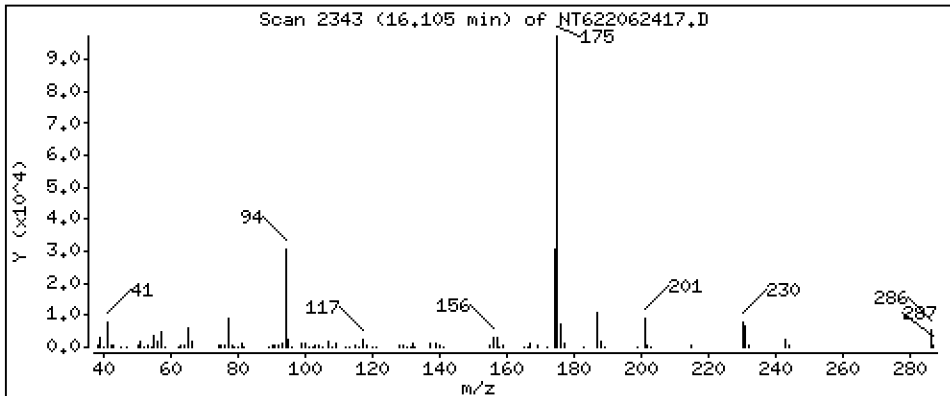
Operator: JZ

Column phase: ZB-5msi

Column diameter: 0.32

116 Dibutyl Phenyl Phosphate

Concentration: 25.98 ug/mL



Date : 24-JUN-2022 19:27

Client ID:

Instrument: nt6.i

Sample Info: CCV220624A

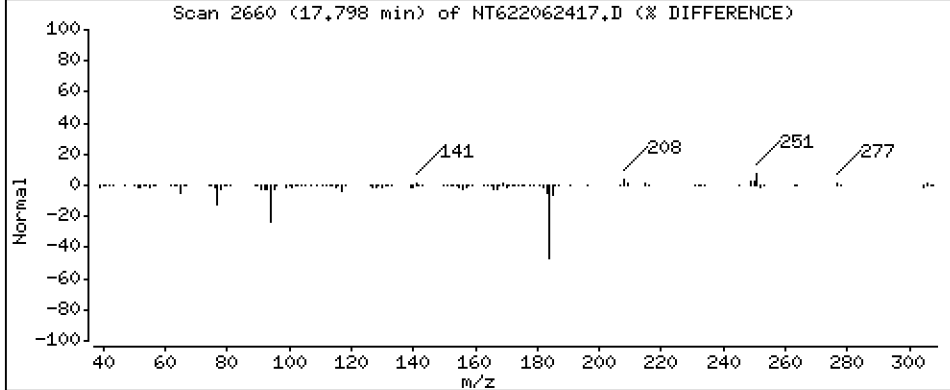
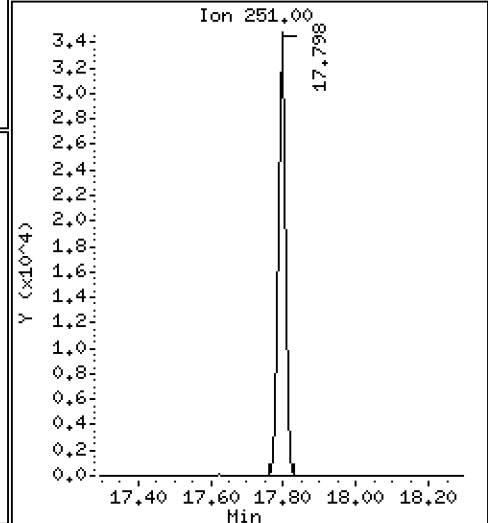
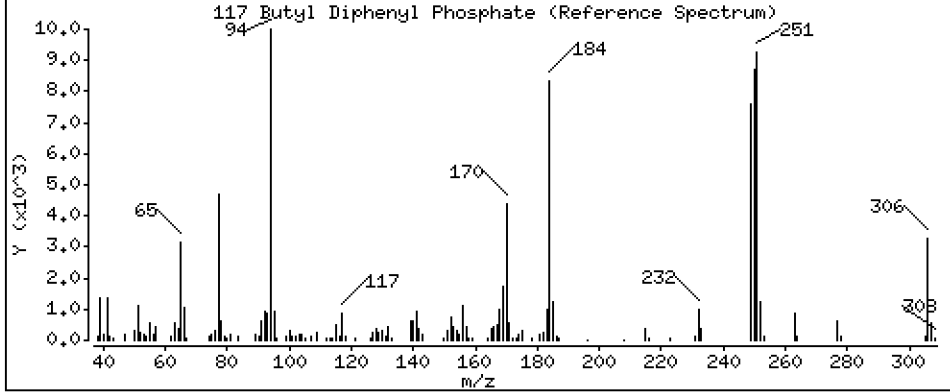
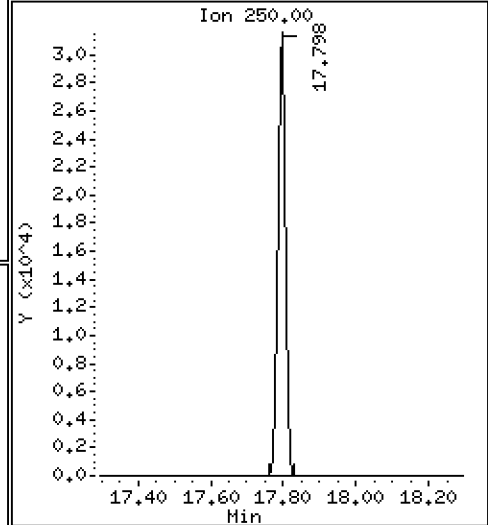
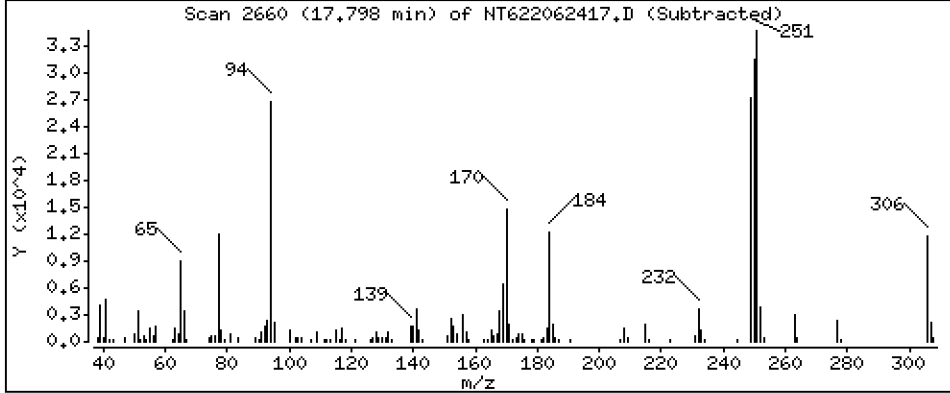
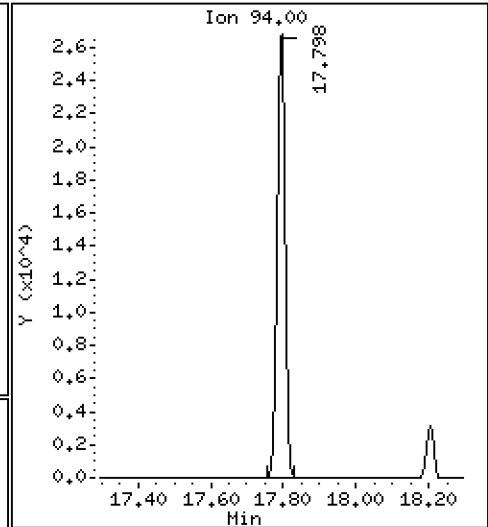
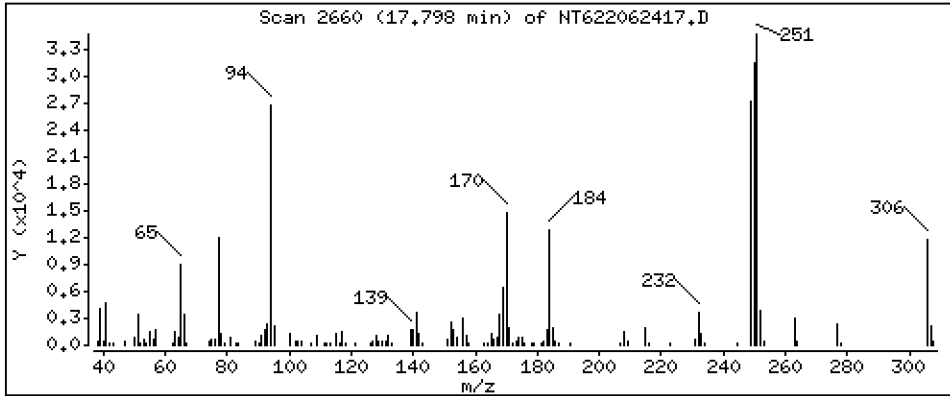
Operator: JZ

Column phase: ZB-5msi

Column diameter: 0,32

117 Butyl Diphenyl Phosphate

Concentration: 23,03 ug/mL



Date : 24-JUN-2022 19:27

Client ID:

Instrument: nt6.i

Sample Info: CCV220624A

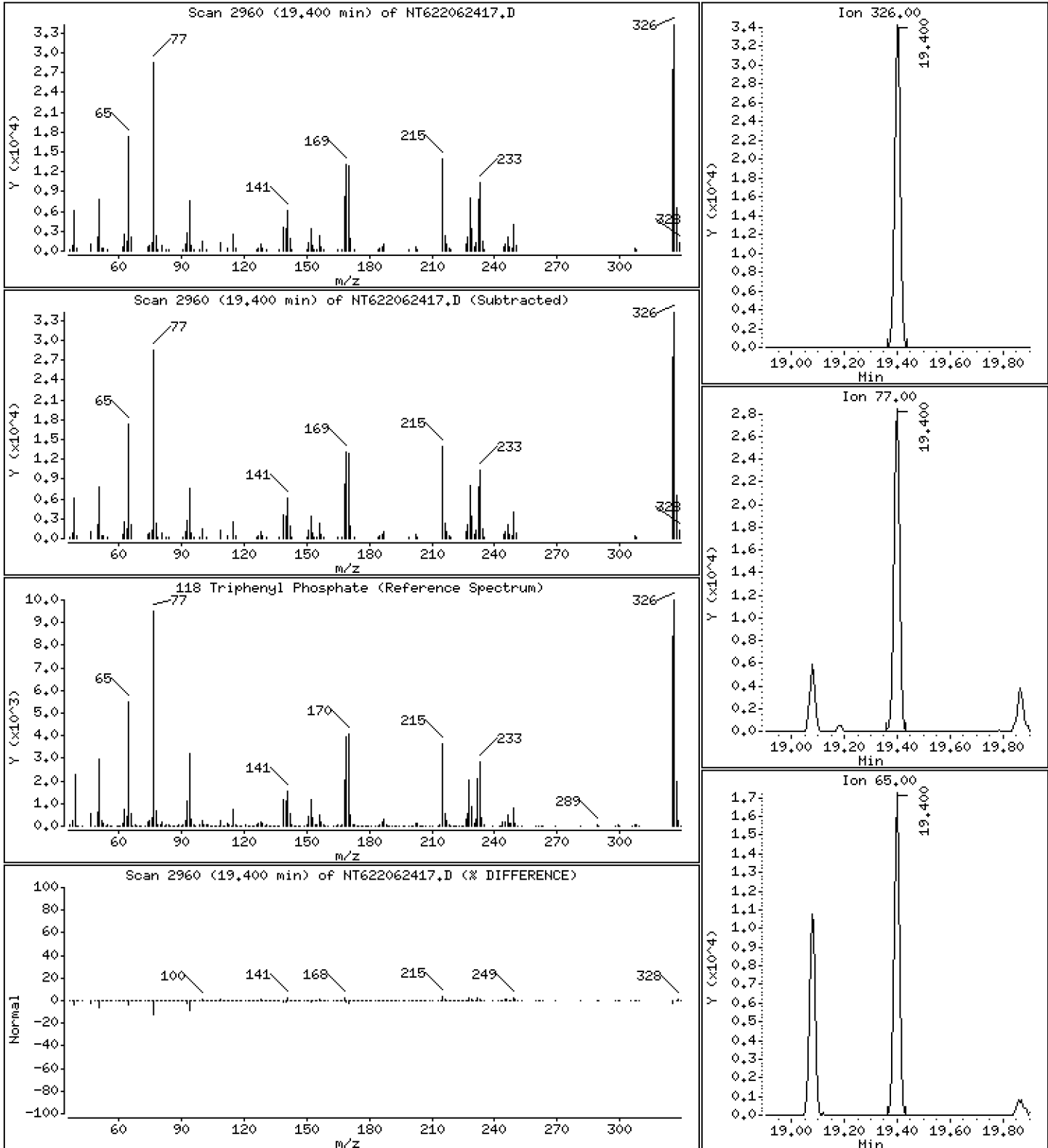
Operator: JZ

Column phase: ZB-5msi

Column diameter: 0.32

118 Triphenyl Phosphate

Concentration: 23.53 ug/mL



Date : 24-JUN-2022 19:27

Client ID:

Instrument: nt6.i

Sample Info: CCV220624A

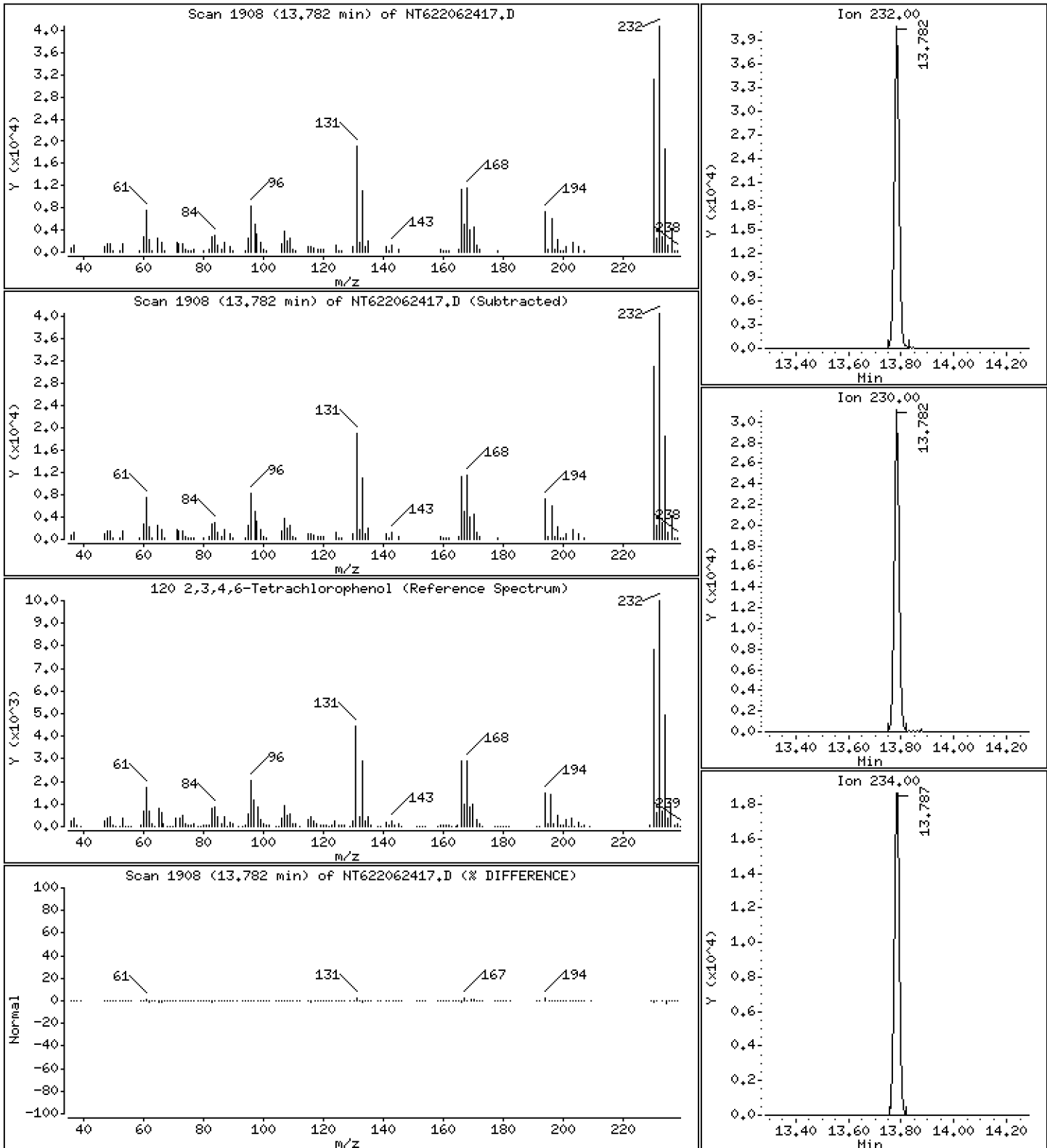
Operator: JZ

Column phase: ZB-5msi

Column diameter: 0.32

120 2,3,4,6-Tetrachlorophenol

Concentration: 26.20 ug/mL



Date : 24-JUN-2022 19:27

Client ID:

Instrument: nt6.i

Sample Info: CCV220624A

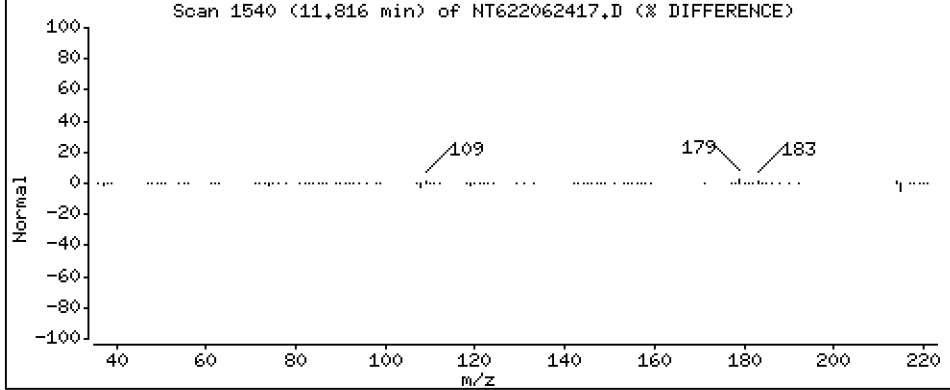
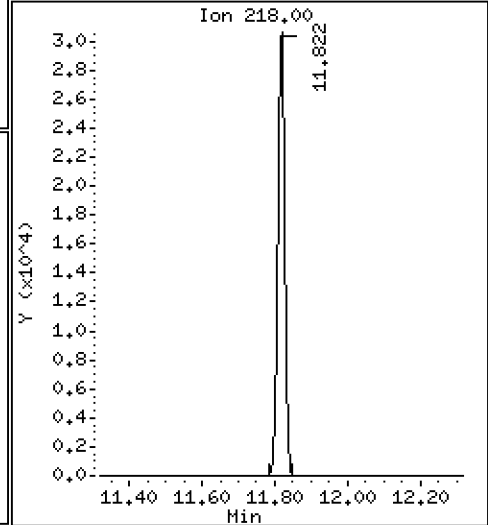
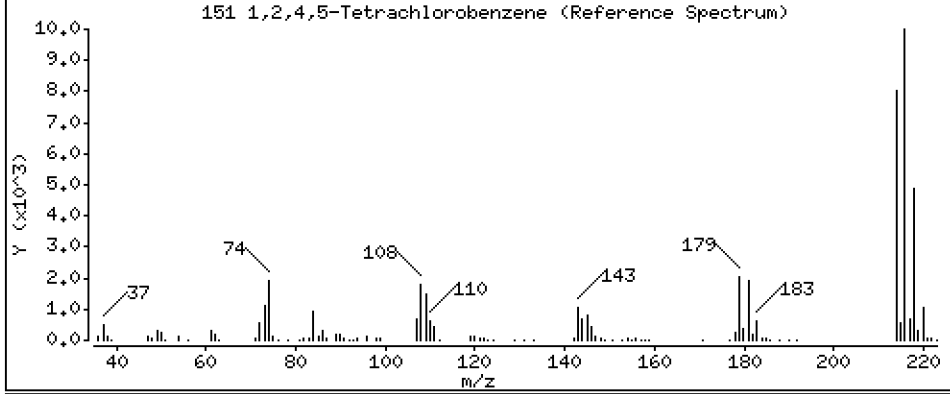
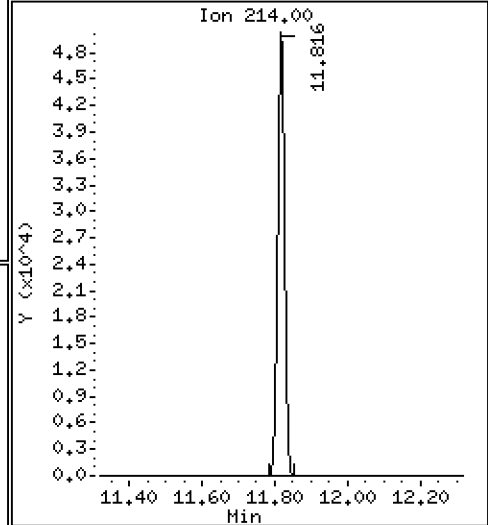
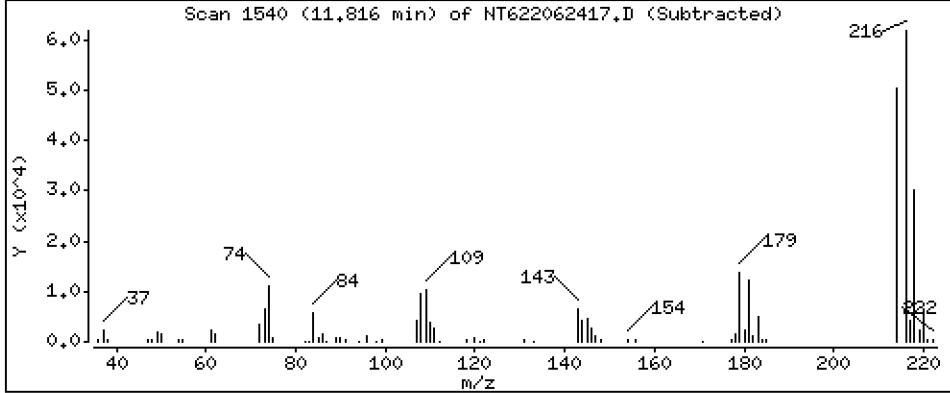
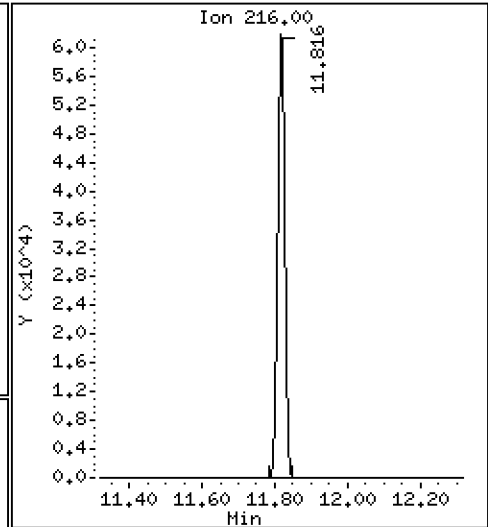
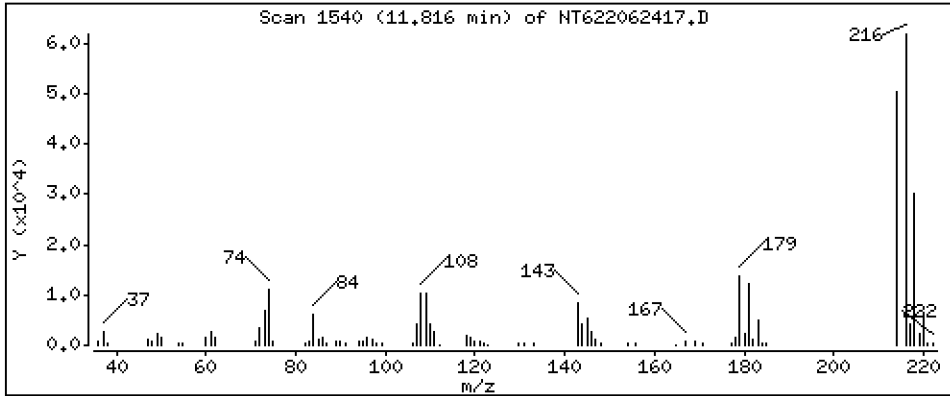
Operator: JZ

Column phase: ZB-5msi

Column diameter: 0.32

151 1,2,4,5-Tetrachlorobenzene

Concentration: 23.87 ug/mL



ARI Labs, Inc.

Semivolatile Report SW846 Method 8270D

Data file : \\target\share\chem3\nt6.i\20220624.b\NT622062417.D
 Lab Smp Id: SKF0291-CCV1
 Inj Date : 24-JUN-2022 19:27
 Operator : JZ Inst ID: nt6.i
 Smp Info : CCV220624A
 Misc Info : 22-
 Comment : 1ul Injection
 Method : \\target\share\chem3\nt6.i\20220624.b\SW84620220516.m
 Meth Date : 24-Jun-2022 20:16 jianqing Quant Type: ISTD
 Cal Date : 16-MAY-2022 18:52 Cal File: NT622051604.D
 Als bottle: 17
 Dil Factor: 1.00000
 Integrator: HP RTE Compound Sublist: ICALA.sub
 Target Version: 4.14
 Processing Host: JIANQING-202105

Compounds	QUANT	SIG	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS	
							ON-COLUMN	FINAL
	MASS						(ug/mL)	(ug/mL)
\$ 1 2-Fluorophenol	112		6.357	6.356	(0.766)	134710	42.4636	42.46
\$ 2 Phenol-d5	99		7.863	7.862	(0.947)	155267	42.7856	42.79
3 Phenol	94		7.885	7.884	(0.950)	102457	24.2910	24.29
\$ 5 2-Chlorophenol-d4	132		8.002	8.001	(0.964)	142852	43.5524	43.55
4 Bis(2-Chloroethyl)ether	93		7.970	7.969	(0.960)	63478	24.9396	24.94
6 2-Chlorophenol	128		8.024	8.023	(0.967)	83944	24.3747	24.37
7 1,3-Dichlorobenzene	146		8.237	8.236	(0.992)	88456	24.7214	24.72
* 8 1,4-Dichlorobenzene-d4	152		8.301	8.300	(1.000)	58693	20.0000	
9 1,4-Dichlorobenzene	146		8.323	8.322	(1.003)	86277	24.7186	24.72
\$ 10 1,2-Dichlorobenzene-d4	152		8.595	8.594	(1.035)	63696	27.1350	27.13
12 1,2-Dichlorobenzene	146		8.616	8.615	(1.038)	83208	25.1067	25.11
11 Benzyl alcohol	108		8.574	8.573	(1.033)	51362	26.0724	26.07
14 2,2'-oxybis(1-Chloropropane)	45		8.825	8.824	(1.063)	50509	25.8478	25.85
13 2-Methylphenol	108		8.803	8.802	(1.060)	69035	24.1653	24.17
17 Hexachloroethane	117		9.102	9.101	(1.097)	35567	25.2678	25.27
16 N-Nitroso-di-n-propylamine	70		9.044	9.048	(1.089)	49755	26.0741	26.07
15 4-Methylphenol	108		9.033	9.032	(1.088)	75638	24.8222	24.82
\$ 18 Nitrobenzene-d5	82		9.225	9.224	(0.893)	92580	29.2514	29.25
19 Nitrobenzene	77		9.252	9.251	(0.895)	75548	25.1359	25.14
20 Isophorone	82		9.626	9.625	(0.931)	100921	26.4860	26.49
21 2-Nitrophenol	139		9.765	9.764	(0.945)	46083	24.7799	24.78
22 2,4-Dimethylphenol	107		9.866	9.865	(0.955)	87300	24.9681	24.97
23 Bis(2-Chloroethoxy)methane	93		10.010	10.009	(0.968)	67577	24.8462	24.85
24 Benzoic acid	105		10.123	10.111	(0.979)	151950	68.0944	68.09
25 2,4-Dichlorophenol	162		10.144	10.143	(0.981)	70596	24.7796	24.78
26 1,2,4-Trichlorobenzene	180		10.272	10.271	(0.994)	80812	24.8941	24.89
* 27 Naphthalene-d8	136		10.336	10.335	(1.000)	206109	20.0000	
28 Naphthalene	128		10.363	10.367	(1.003)	215377	24.8615	24.86
29 4-Chloroaniline	127		10.507	10.506	(1.017)	82884	23.2787	23.28
30 Hexachlorobutadiene	225		10.673	10.677	(1.033)	53993	25.7791	25.78
31 4-Chloro-3-methylphenol	107		11.308	11.307	(1.094)	72187	25.1574	25.16
32 2-Methylnaphthalene	141		11.479	11.484	(1.111)	126092	25.4896	25.49
33 Hexachlorocyclopentadiene	237		11.858	11.857	(0.899)	49274	20.9135	20.91

Compounds	QUANT SIG					CONCENTRATIONS	
	MASS	RT	EXP RT	REL RT	RESPONSE	ON-COLUMN (ug/mL)	FINAL (ug/mL)
34 2,4,6-Trichlorophenol	196	11.992	11.991	(0.909)	59883	24.6180	24.62
35 2,4,5-Trichlorophenol	196	12.051	12.050	(0.913)	61680	23.8119	23.81
\$ 36 2-Fluorobiphenyl	172	12.120	12.119	(0.919)	214364	27.0518	27.05
37 2-Chloronaphthalene	162	12.259	12.263	(0.929)	149983	23.7744	23.77
38 2-Nitroaniline	65	12.494	12.498	(0.947)	38022	23.8420	23.84
39 Dimethylphthalate	163	12.863	12.862	(0.975)	174946	25.3407	25.34
40 Acenaphthylene	152	12.943	12.942	(0.981)	247191	24.1665	24.17
41 2,6-Dinitrotoluene	165	12.959	12.958	(0.982)	39314	24.9809	24.98
* 42 Acenaphthene-d10	164	13.194	13.193	(1.000)	130260	20.0000	
43 3-Nitroaniline	138	13.172	13.177	(0.998)	36226	23.5720	23.57
44 Acenaphthene	153	13.242	13.246	(1.004)	145765	24.0357	24.04
45 2,4-Dinitrophenol	184	13.333	13.337	(1.011)	25631	27.6383	27.64
46 Dibenzofuran	168	13.503	13.502	(1.023)	217379	24.8028	24.80
47 4-Nitrophenol	109	13.482	13.476	(1.022)	30146	27.1404	27.14
48 2,4-Dinitrotoluene	165	13.589	13.588	(1.030)	52666	25.9300	25.93
50 Diethylphthalate	149	14.011	14.015	(1.062)	173434	26.0076	26.01
49 Fluorene	166	14.059	14.063	(1.066)	177334	25.2939	25.29
51 4-Chlorophenyl-phenylether	204	14.080	14.079	(1.067)	96307	24.4788	24.48
52 4-Nitroaniline	138	14.171	14.175	(1.074)	31994	23.0202	23.02
53 4,6-Dinitro-2-methylphenol	198	14.241	14.245	(0.915)	47251	34.8427	34.84
54 N-Nitrosodiphenylamine	169	14.289	14.288	(0.918)	124332	23.1598	23.16
\$ 55 2,4,6-Tribromophenol	330	14.486	14.485	(1.098)	50197	45.2899	45.29
56 4-Bromophenyl-phenylether	248	14.860	14.864	(0.954)	57022	24.5097	24.51
57 Hexachlorobenzene	284	15.084	15.083	(0.969)	61283	24.2040	24.20
58 Pentachlorophenol	266	15.384	15.383	(0.988)	40740	24.0865	24.09
* 59 Phenanthrene-d10	188	15.570	15.569	(1.000)	247673	20.0000	
60 Phenanthrene	178	15.602	15.607	(1.002)	243724	23.8733	23.87
61 Anthracene	178	15.677	15.676	(1.007)	238064	23.3123	23.31
62 Carbazole	167	15.960	15.959	(1.025)	200554	22.8472	22.85
63 Di-n-butylphthalate	149	16.660	16.659	(1.070)	286408	26.0555	26.06
64 Fluoranthene	202	17.547	17.546	(1.127)	302648	26.2299	26.23
65 Pyrene	202	17.904	17.904	(0.900)	306196	21.9280	21.93
\$ 66 Terphenyl-d14	244	18.204	18.208	(0.915)	254256	24.0471	24.05
67 Butylbenzylphthalate	149	19.080	19.084	(0.959)	133117	24.3502	24.35
68 Benzo(a)anthracene	228	19.859	19.864	(0.999)	293744	23.8203	23.82
* 69 Chrysene-d12	240	19.886	19.890	(1.000)	222409	20.0000	
70 3,3'-Dichlorobenzidine	252	19.870	19.869	(0.999)	89337	24.1871	24.19
71 Chrysene	228	19.929	19.933	(1.002)	263257	23.2383	23.24
72 bis(2-Ethylhexyl)phthalate	149	20.068	20.072	(0.955)	172094	24.0603	24.06
* 134 Di-n-octylphthalate-d4	153	21.002	21.007	(1.000)	309175	20.0000	
73 Di-n-octylphthalate	149	21.013	21.012	(1.000)	306251	23.7340	23.73
74 Benzo(b)fluoranthene	252	21.520	21.519	(0.976)	303818	25.7133	25.71
75 Benzo(k)fluoranthene	252	21.552	21.557	(0.977)	301965	25.5057	25.51
187 Total Benzofluoranthenes	252	21.552	21.557	(0.977)	578642	51.4628	51.46
76 Benzo(a)pyrene	252	21.969	21.973	(0.996)	273366	24.6543	24.65
* 77 Perylene-d12	264	22.049	22.054	(1.000)	239346	20.0000	
78 Indeno(1,2,3-cd)pyrene	276	23.651	23.656	(1.073)	349998	21.5954	21.60
79 Dibenzo(a,h)anthracene	278	23.678	23.683	(1.074)	297397	21.9360	21.94
80 Benzo(g,h,i)perylene	276	24.105	24.104	(1.093)	285715	20.5539	20.55
90 N-Nitrosodimethylamine	74	3.809	3.803	(0.459)	44769	30.2277	30.23
103 Pyridine	79	3.756	3.755	(0.452)	78681	28.2249	28.22
91 Aniline	93	7.858	7.857	(0.947)	98204	22.6409	22.64
105 1-methylnaphthalene	141	11.655	11.654	(1.128)	121608	26.0461	26.05
93 Benzidine	184	17.792	17.797	(0.895)	25054	6.68157	6.682

Compounds	QUANT SIG	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS	
						ON-COLUMN (ug/mL)	FINAL (ug/mL)
111 Azobenzene (1,2-DP-Hydrazine)	77	14.331	14.330	(0.920)	146304	23.2019	23.20
144 alpha-Terpineol	59	10.379	10.383	(1.004)	44728	25.1020	25.10
133 Butylatedhydroxytoluene	205	13.349	13.353	(1.012)	146847	21.2412	21.24
115 Tributyl Phosphate	99	14.369	14.373	(0.923)	171294	24.0823	24.08
116 Dibutyl Phenyl Phosphate	175	16.105	16.104	(1.034)	137801	25.9755	25.98
117 Butyl Diphenyl Phosphate	94	17.798	17.797	(0.895)	41453	23.0342	23.03
118 Triphenyl Phosphate	326	19.400	19.404	(0.976)	51721	23.5278	23.53
120 2,3,4,6-Tetrachlorophenol	232	13.781	13.786	(1.045)	51887	26.1999	26.20
151 1,2,4,5-Tetrachlorobenzene	216	11.816	11.820	(0.896)	85336	23.8693	23.87

ARI Labs, Inc.

INTERNAL STANDARD COMPOUNDS
 AREA AND RT SUMMARY

Instrument ID: nt6.i Calibration Date: 24-JUN-2022
 Lab File ID: NT622062417.D Calibration Time: 10:22
 Lab Smp Id: SKF0291-CCV1
 Analysis Type: SV Level:
 Quant Type: ISTD Sample Type:
 Operator: JZ
 Method File: \\target\share\chem3\nt6.i\20220624.b\SW84620220516.m
 Misc Info: 22-

Test Mode:
 Use Last Continuing Calibrator.

COMPOUND	STANDARD	AREA LIMIT		SAMPLE	%DIFF
		LOWER	UPPER		
8 1,4-Dichlorobenze	61282	30641	122564	58693	-4.22
27 Naphthalene-d8	213957	106979	427914	206109	-3.67
42 Acenaphthene-d10	139427	69714	278854	130260	-6.57
59 Phenanthrene-d10	268928	134464	537856	247673	-7.90
69 Chrysene-d12	229100	114550	458200	222409	-2.92
134 Di-n-octylphthala	325717	162859	651434	309175	-5.08
77 Perylene-d12	228006	114003	456012	239346	4.97

COMPOUND	STANDARD	RT LIMIT		SAMPLE	%DIFF
		LOWER	UPPER		
8 1,4-Dichlorobenze	8.30	7.80	8.80	8.30	0.01
27 Naphthalene-d8	10.34	9.84	10.84	10.34	0.01
42 Acenaphthene-d10	13.19	12.69	13.69	13.19	0.01
59 Phenanthrene-d10	15.57	15.07	16.07	15.57	0.01
69 Chrysene-d12	19.89	19.39	20.39	19.89	-0.02
134 Di-n-octylphthala	21.01	20.51	21.51	21.00	-0.02
77 Perylene-d12	22.05	21.55	22.55	22.05	-0.02

AREA UPPER LIMIT = +100% of internal standard area.
 AREA LOWER LIMIT = - 50% of internal standard area.
 RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
 RT LOWER LIMIT = - 0.50 minutes of internal standard RT.

REVIEW SUMMARY FOR FILE - NT622062417.D

Lab ID: SKF0291-CCV1

nt6.i, 20220624.b\SW84620220516.m, 24-JUN-2022 19:27

RT CO-ELUTION COMPOUNDS

NO CO-ELUTIONS

Quant Method: ICAL

On Column LOD for nt6.i, 20220624.b\SW84620220516.m, ICALA.sub = 0.0100

* Only compounds listed in the work order have been verified by the analyst *



**LOW-CONCENTRATION
CONTINUING CALIBRATION CHECK
EPA 8270E**

Laboratory: Analytical Resources, LLC

SDG: 22F0267

Client: GeoEngineers

Project: RG Haley Site-Bellingham

Instrument ID: NT6

Calibration: FE00035

Lab File ID: NT622062402.D

Calibration Date: 05/16/2022

Sequence: SKF0291

Injection Date: 06/24/22

Lab Sample ID: SKF0291-LCV1

Injection Time: 10:59

Sequence Name: Low Cal Check

COMPOUND	TYPE	CONC. (ug/mL)		RESPONSE FACTOR (RRF)			% DRIFT/DIFF	
		STD	CCV	ICAL	CCV	MIN	CCV	LIMIT
Naphthalene	A	5.0000	5.1	0.8406287	0.8562762		1.9	
2-Methylnaphthalene	A	5.0000	4.8	0.4800184	0.4592726		-4.3	
Acenaphthene	A	5.0000	5.0	0.9311408	0.9227460		-0.9	
Pentachlorophenol	A	5.0000	3.7	0.1365836	0.1019464		-25.4	
Phenanthrene	A	5.0000	5.1	0.8243973	0.8408477		2.0	
Fluoranthene	A	5.0000	5.5	0.9317361	1.0186080		9.3	
Benzo(a)anthracene	A	5.0000	4.9	1.1089200	1.0848390		-2.2	
Chrysene	A	5.0000	5.0	1.0187150	1.0188870		0.02	
Benzo(b)fluoranthene	A	5.0000	5.0	0.9873224	0.9878835		0.06	
Benzo(k)fluoranthene	A	5.0000	5.3	0.9892890	1.0408440		5.2	
Benzo(a)pyrene	A	5.0000	4.9	0.9265235	0.9082004		-2.0	
Indeno(1,2,3-cd)pyrene	A	5.0000	4.6	1.3542800	1.2543850		-7.4	
Dibenzo(a,h)anthracene	A	5.0000	4.6	1.1328750	1.0332430		-8.8	
1-Methylnaphthalene	A	5.0000	5.0	0.4530575	0.4530078		-0.01	
2-Fluorophenol	A	7.5000	6.82	1.0810010	0.9835256		-9.0	
Phenol-d5	A	7.5000	6.74	1.2365880	1.1110750		-10.2	
2-Chlorophenol-d4	A	7.5000	6.76	1.1176800	1.0066620		-9.9	
1,2-Dichlorobenzene-d4	A	5.0000	4.67	0.7998831	0.7465436		-6.7	
Nitrobenzene-d5	A	5.0000	4.73	0.3071168	0.2908296		-5.3	
2-Fluorobiphenyl	A	5.0000	4.71	1.2166750	1.1457860		-5.8	
2,4,6-Tribromophenol	A	7.5000	7.05	0.1701749	0.1599035		-6.0	
p-Terphenyl-d14	A	5.0000	4.50	0.9507950	0.8565137		-9.9	

* Values outside of QC limits

Data File: \\target\share\chem3\nt6.1\20220624.1\NT622062402.D

Date: 24-JUN-2022 10:59

Client ID:

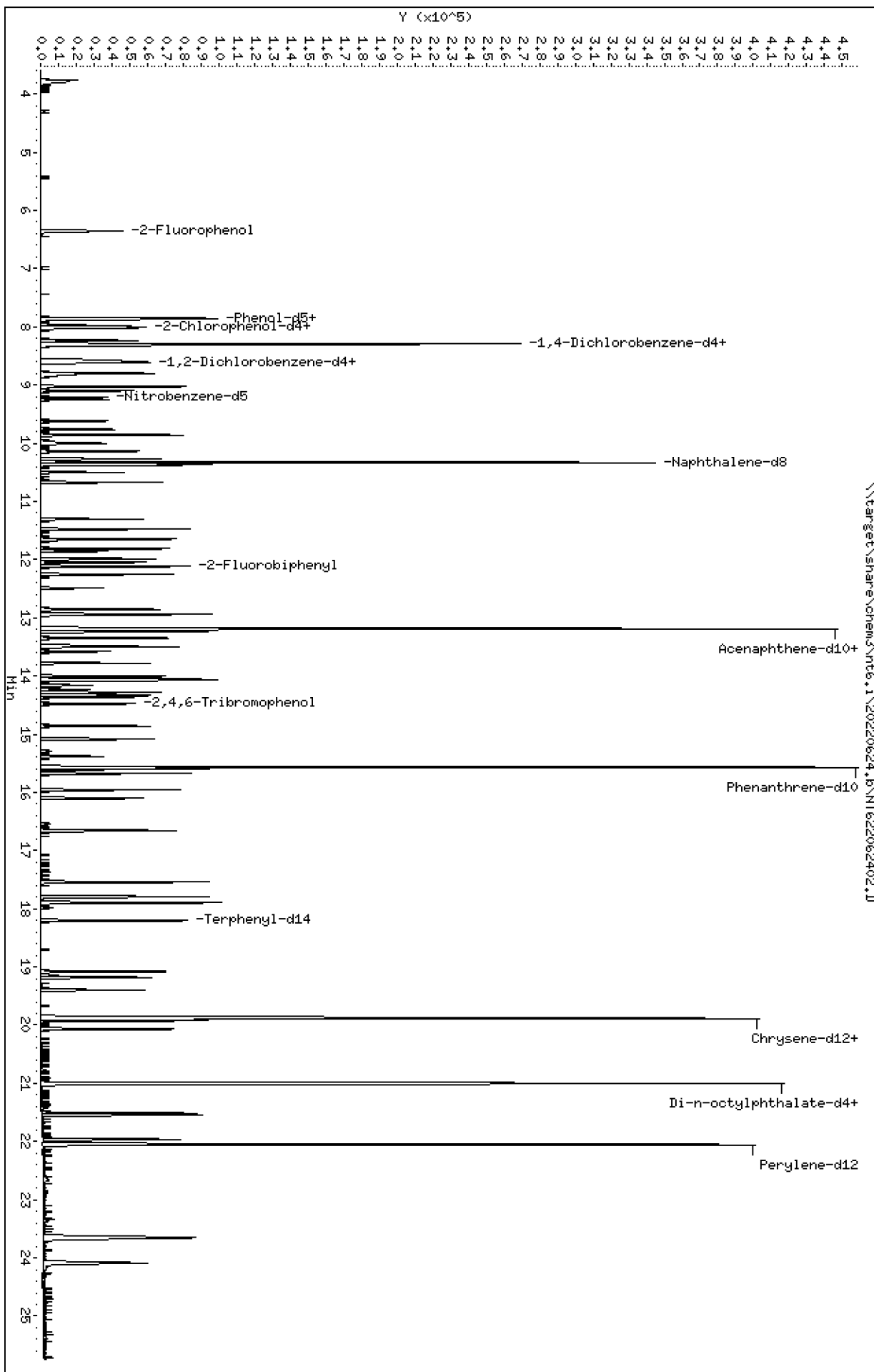
Sample Info: LCW220624

Column phase: ZB-5msi

Instrument: nt6.1

Operator: JZ

Column diameter: 0.32



Date : 24-JUN-2022 10:59

Client ID:

Instrument: nt6.i

Sample Info: LCV220624

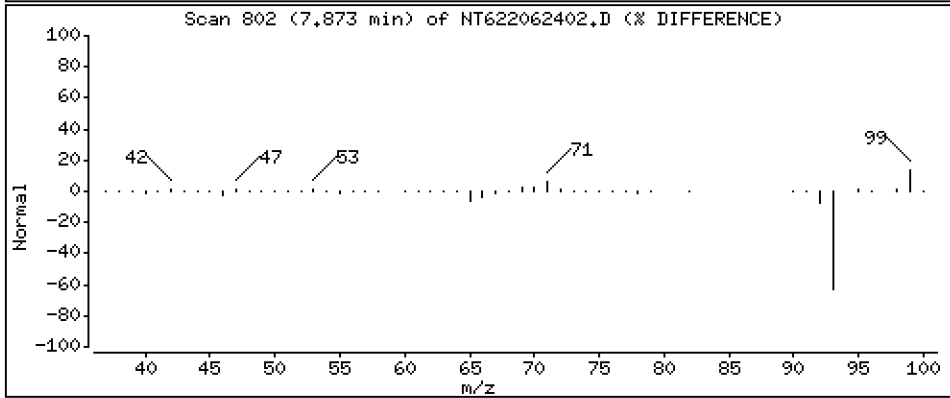
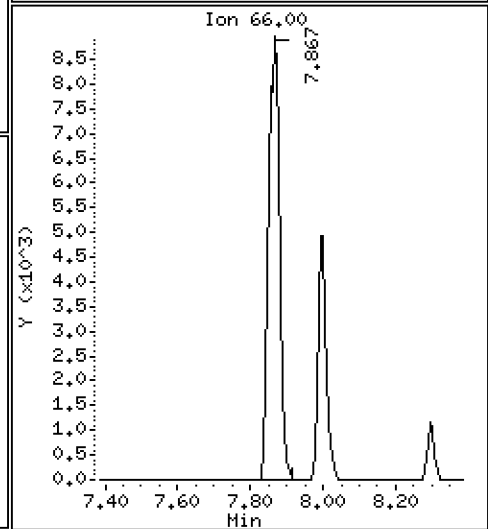
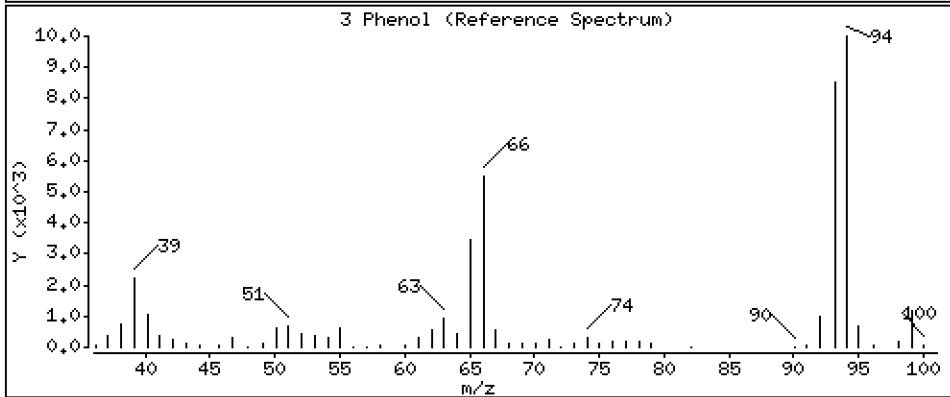
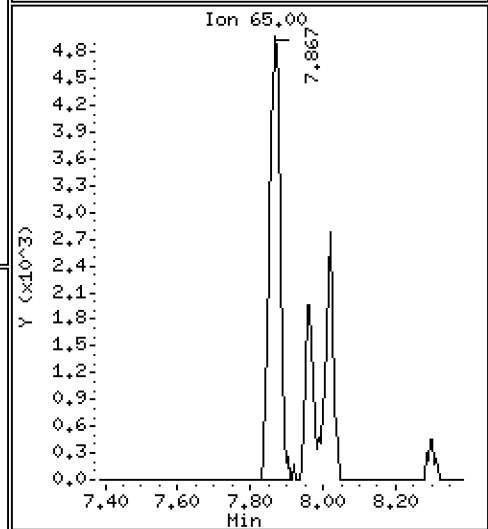
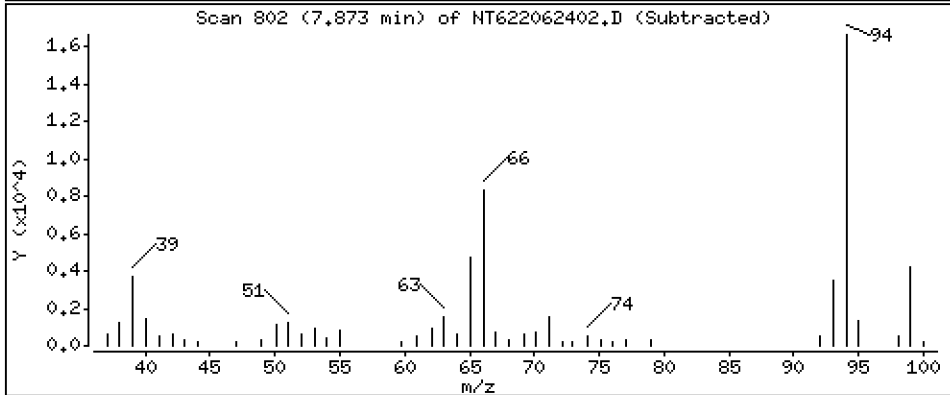
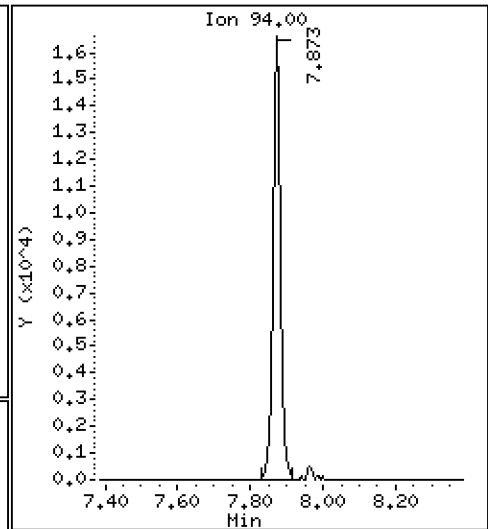
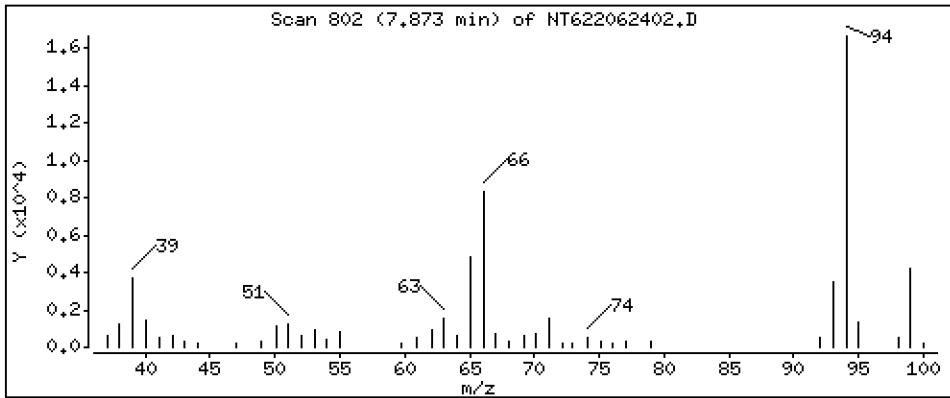
Operator: JZ

Column phase: ZB-5msi

Column diameter: 0.32

3 Phenol

Concentration: 4.898 ug/mL



Date : 24-JUN-2022 10:59

Client ID:

Instrument: nt6.i

Sample Info: LCV220624

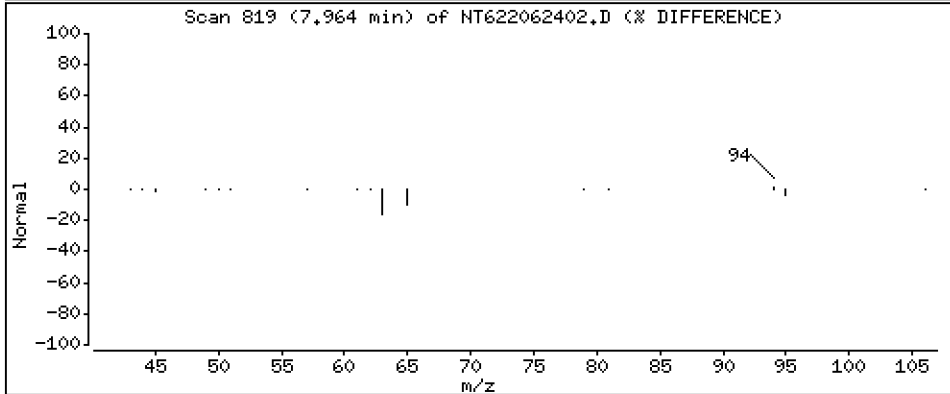
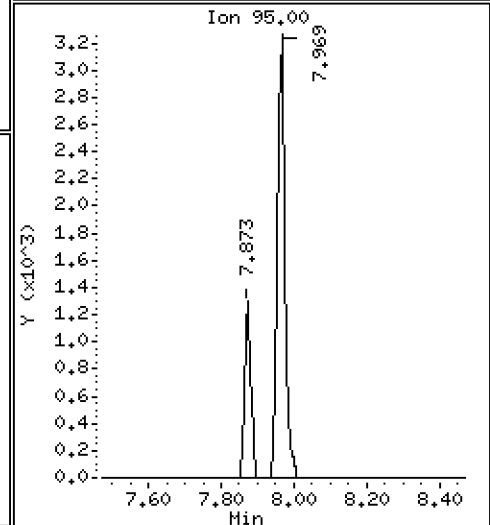
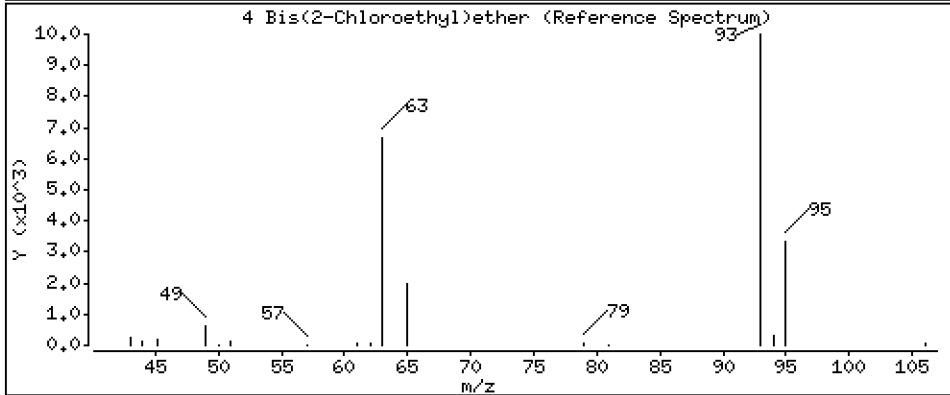
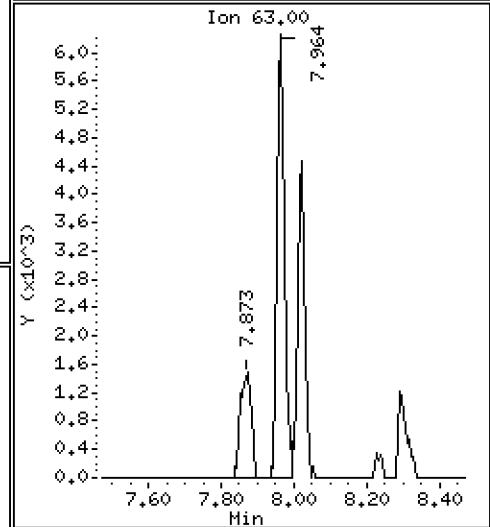
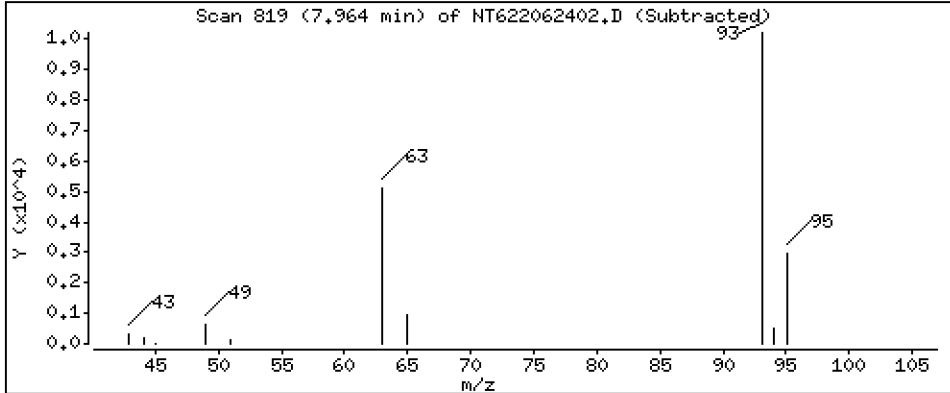
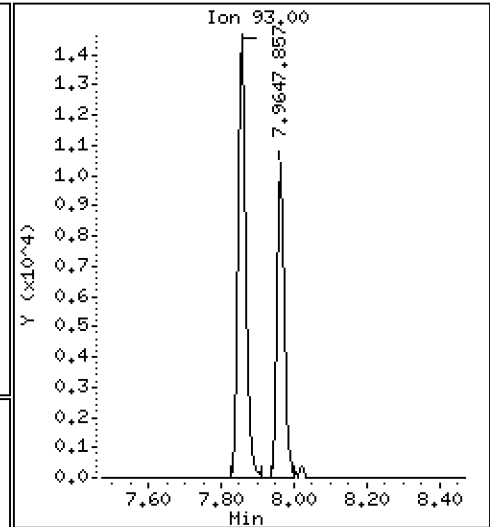
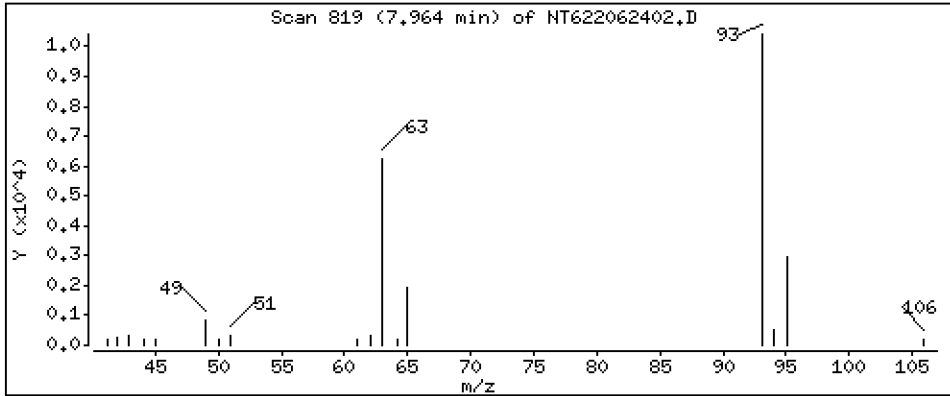
Operator: JZ

Column phase: ZB-5msi

Column diameter: 0.32

4 Bis(2-Chloroethyl)ether

Concentration: 5.101 ug/mL



Date : 24-JUN-2022 10:59

Client ID:

Instrument: nt6.i

Sample Info: LCV220624

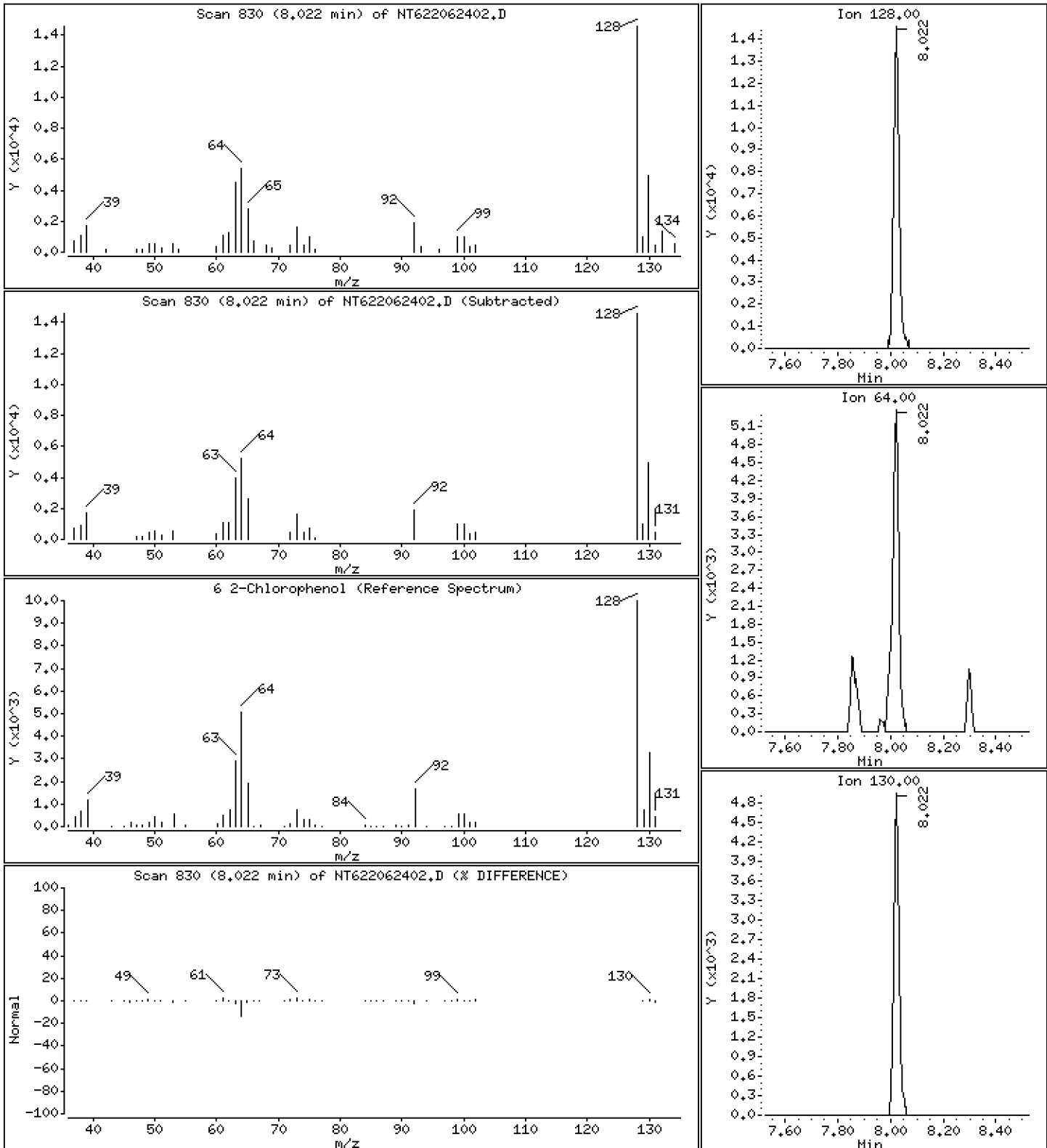
Operator: JZ

Column phase: ZB-5msi

Column diameter: 0.32

6 2-Chlorophenol

Concentration: 5.361 ug/mL



Date : 24-JUN-2022 10:59

Client ID:

Instrument: nt6.i

Sample Info: LCV220624

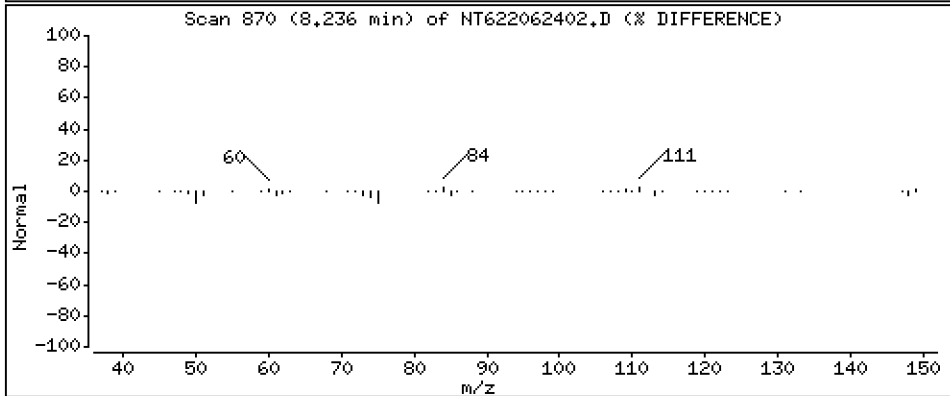
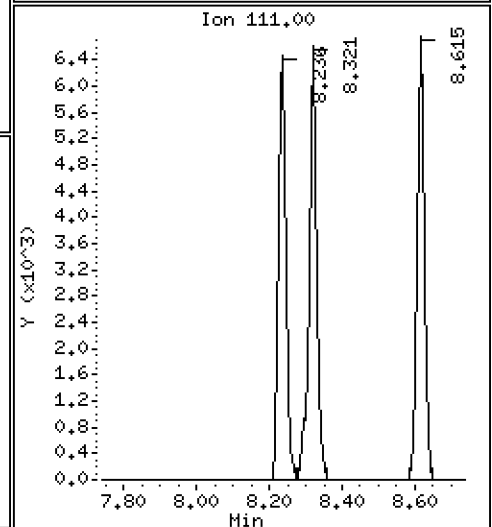
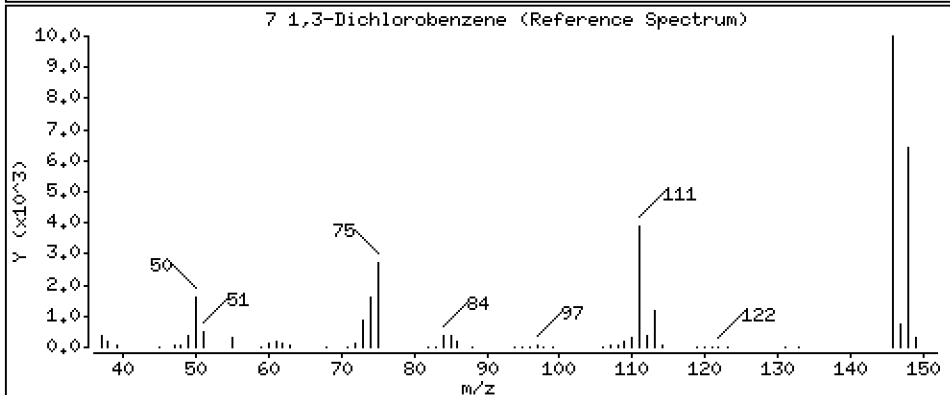
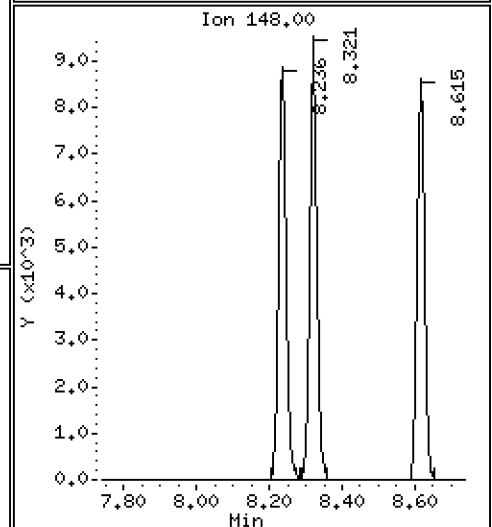
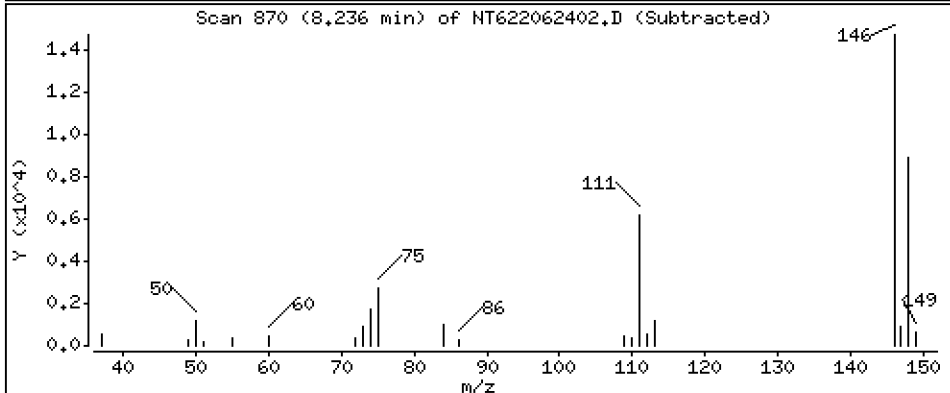
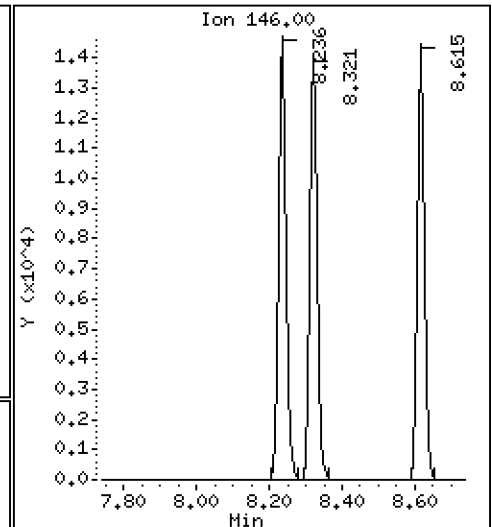
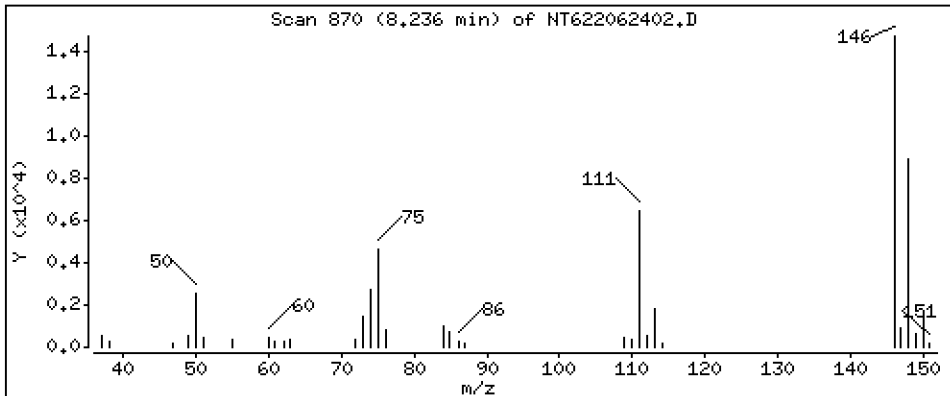
Operator: JZ

Column phase: ZB-5msi

Column diameter: 0.32

7 1,3-Dichlorobenzene

Concentration: 5,129 ug/mL



Date : 24-JUN-2022 10:59

Client ID:

Instrument: nt6.i

Sample Info: LCV220624

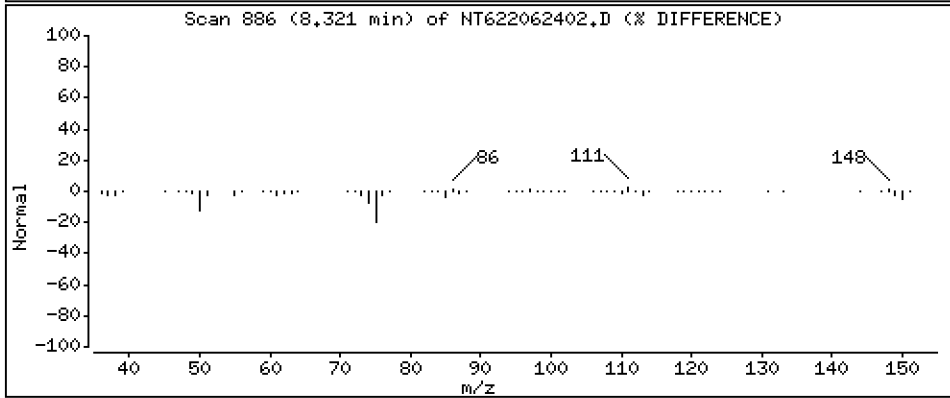
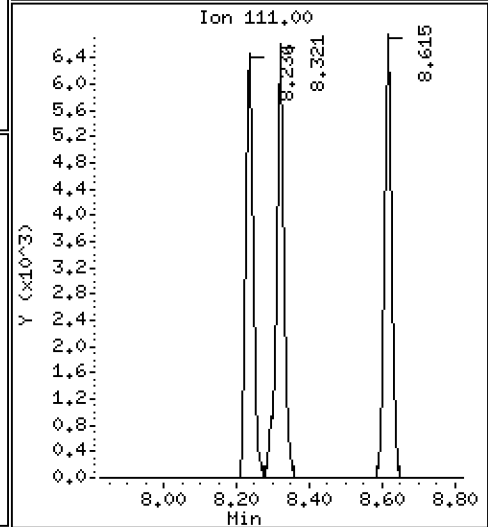
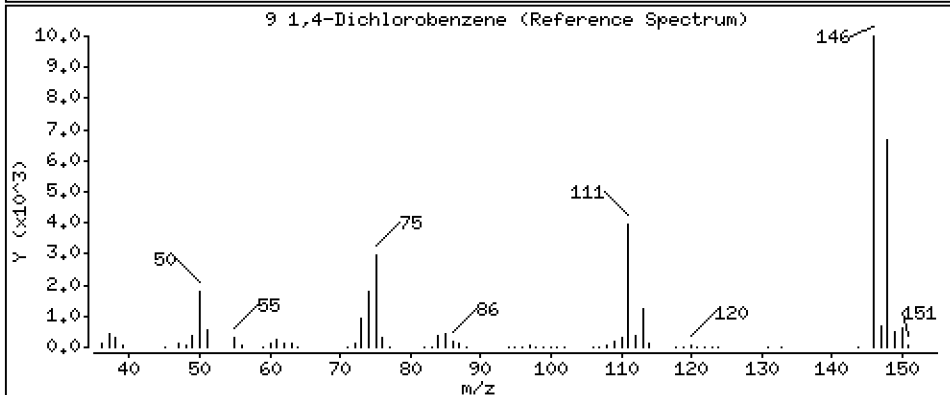
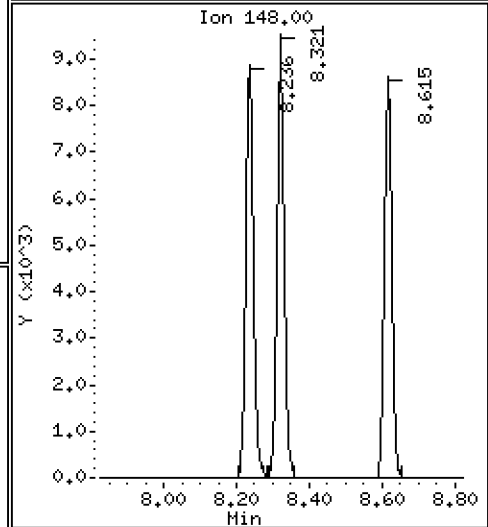
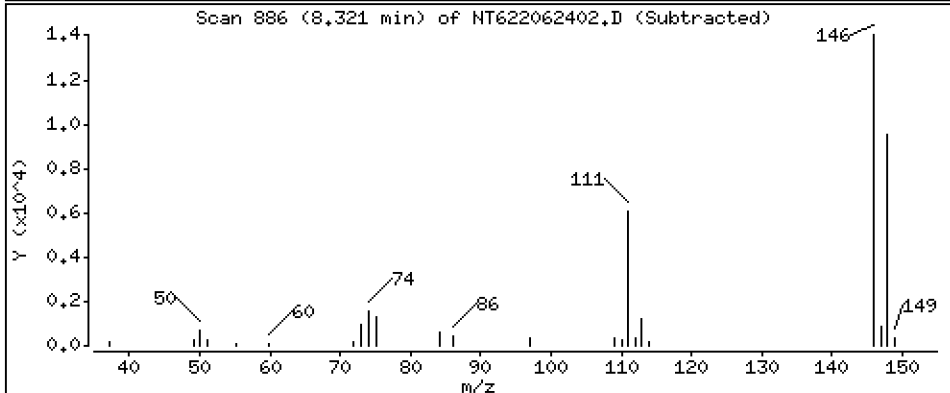
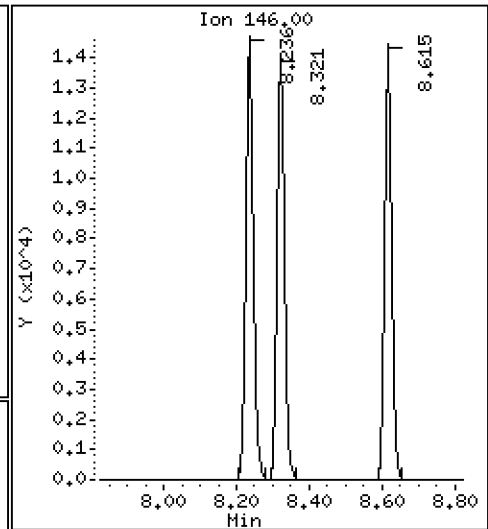
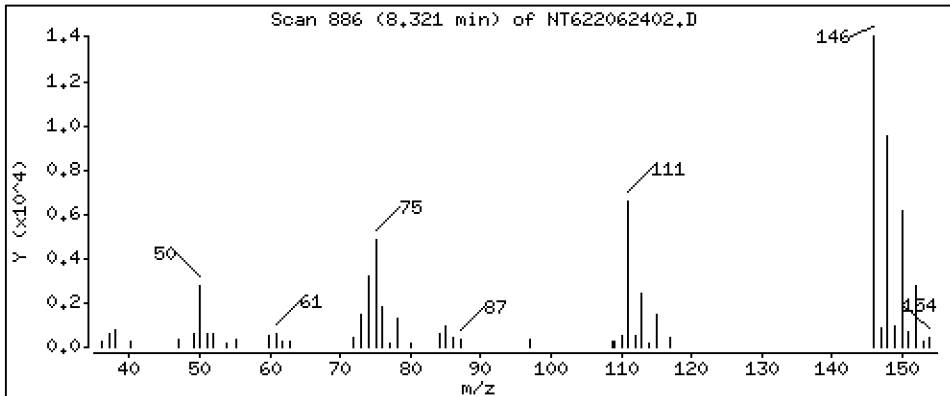
Operator: JZ

Column phase: ZB-5msi

Column diameter: 0.32

9 1,4-Dichlorobenzene

Concentration: 5.077 ug/mL



Date : 24-JUN-2022 10:59

Client ID:

Instrument: nt6.i

Sample Info: LCV220624

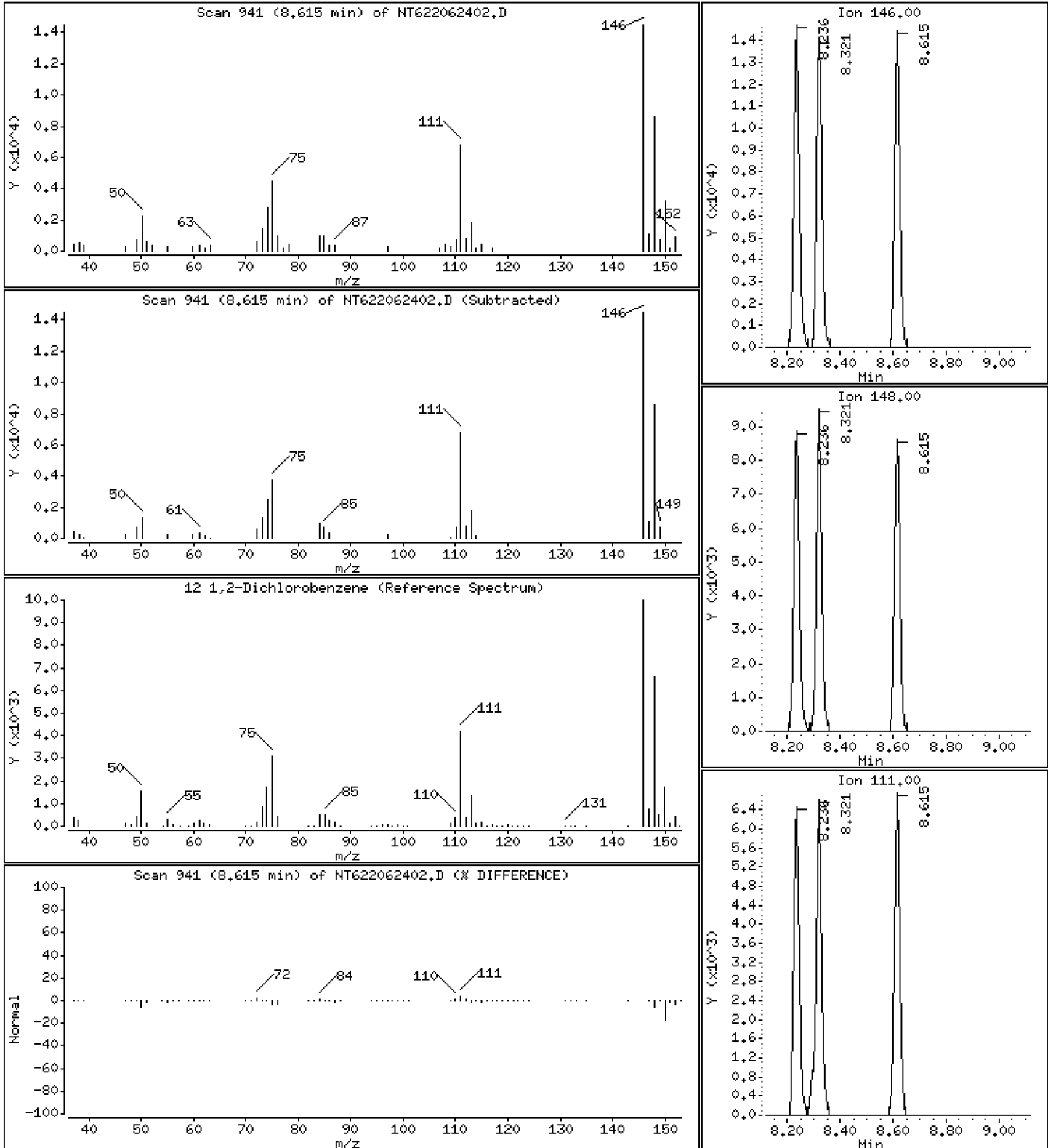
Operator: JZ

Column phase: ZB-5msi

Column diameter: 0.32

12 1,2-Dichlorobenzene

Concentration: 5.096 ug/mL



Date : 24-JUN-2022 10:59

Client ID:

Instrument: nt6.i

Sample Info: LCV220624

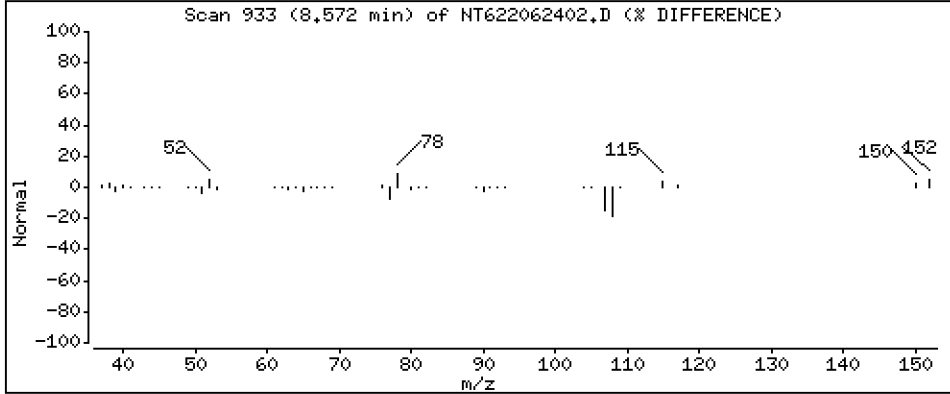
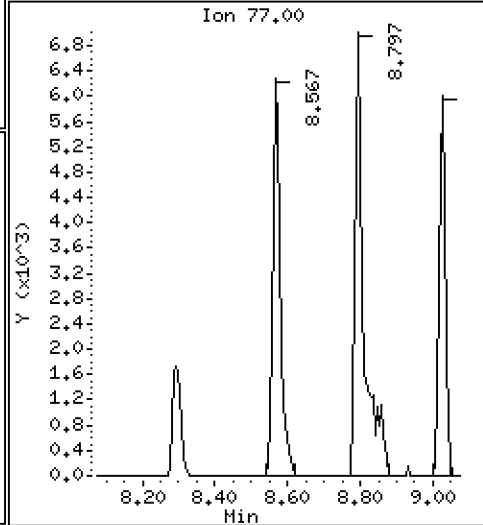
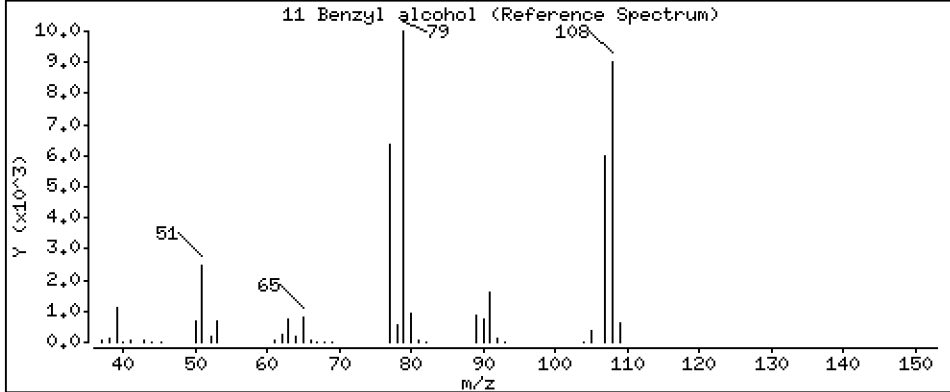
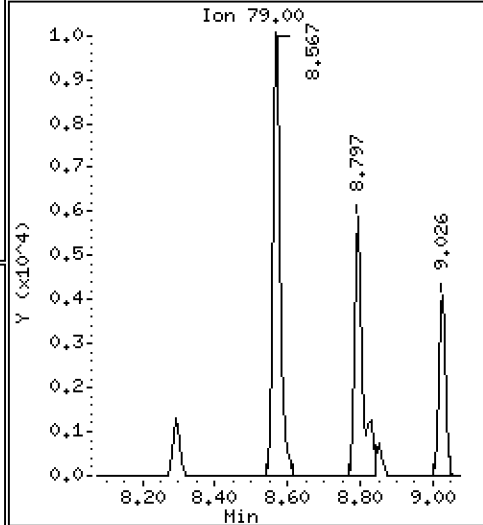
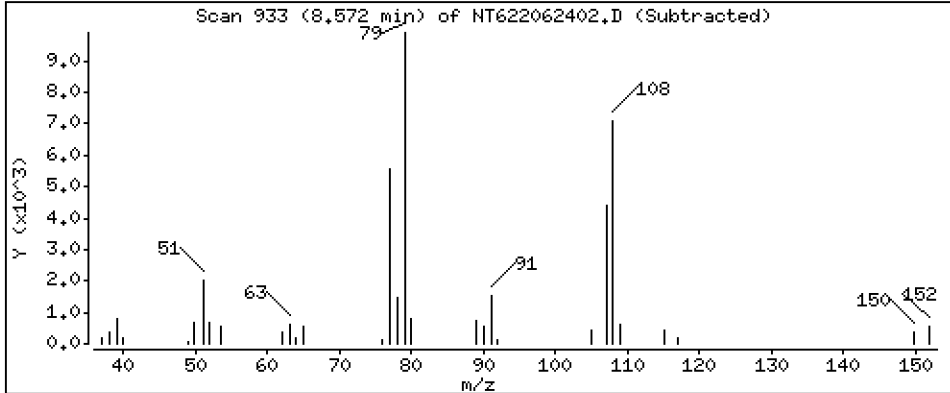
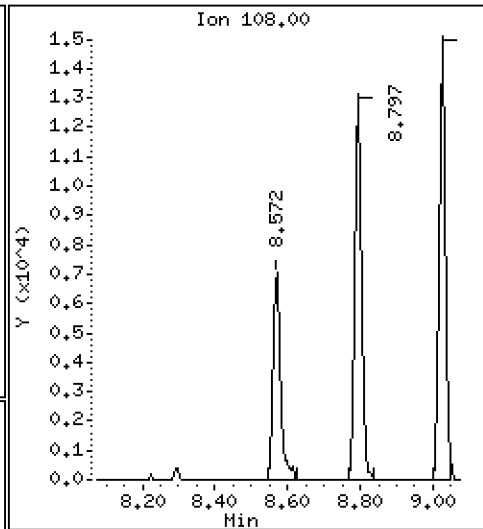
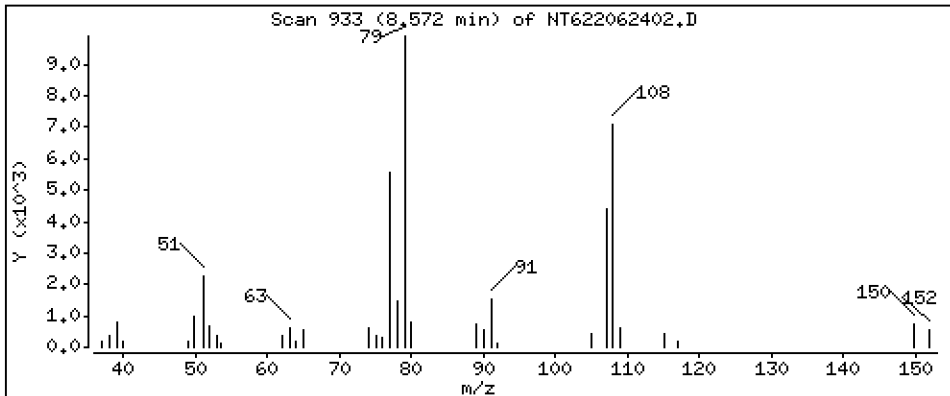
Operator: JZ

Column phase: ZB-5msi

Column diameter: 0.32

11 Benzyl alcohol

Concentration: 4.592 ug/mL



Date : 24-JUN-2022 10:59

Client ID:

Instrument: nt6.i

Sample Info: LCV220624

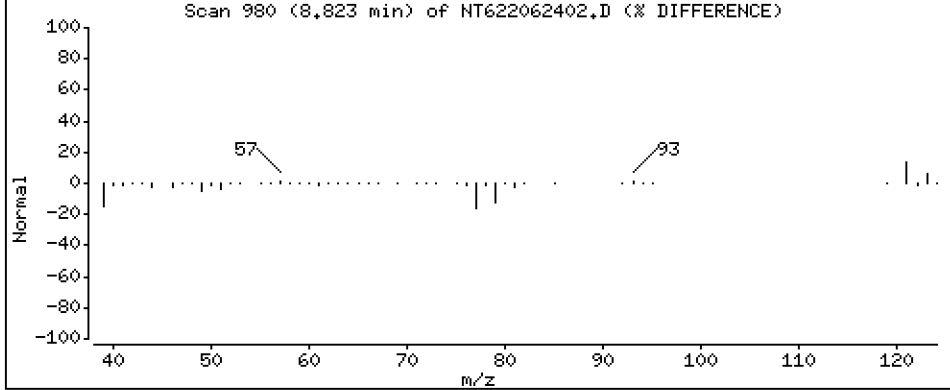
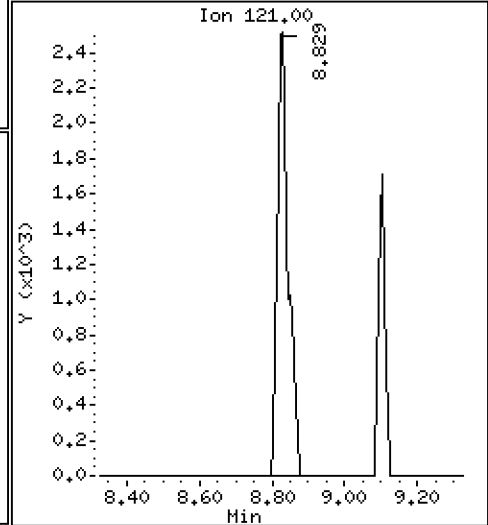
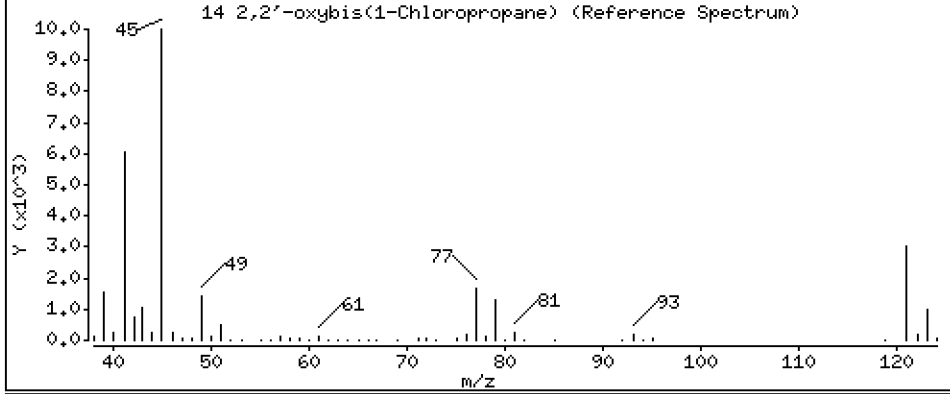
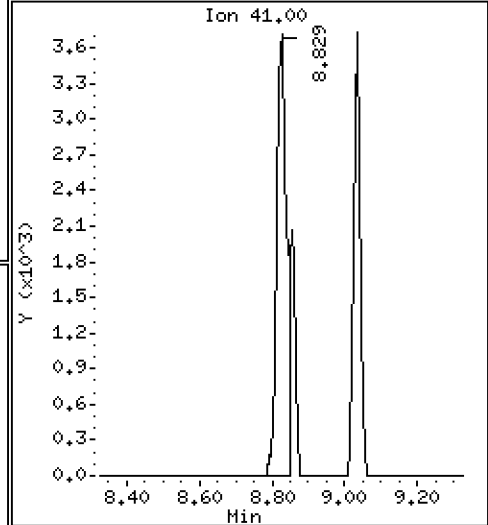
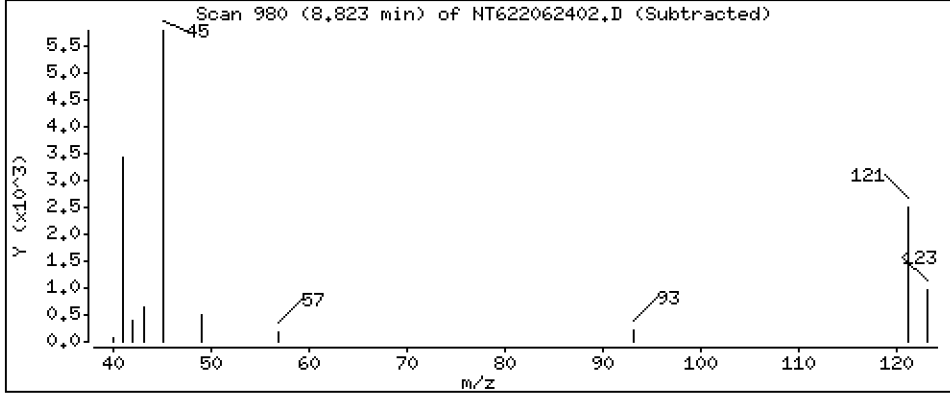
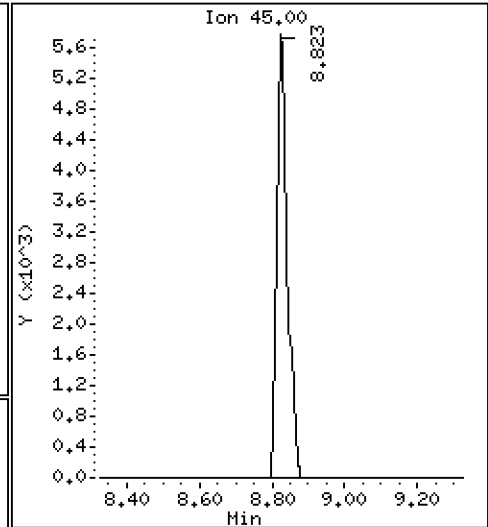
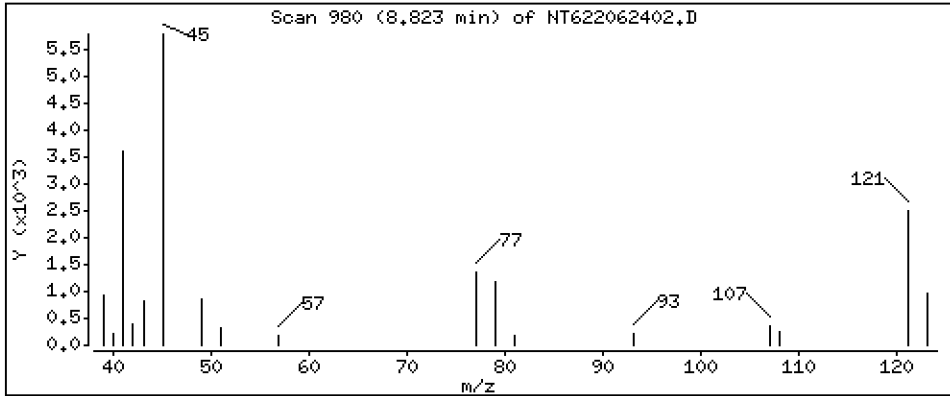
Operator: JZ

Column phase: ZB-5msi

Column diameter: 0.32

14 2,2'-oxybis(1-Chloropropane)

Concentration: 5.216 ug/mL



Date : 24-JUN-2022 10:59

Client ID:

Instrument: nt6.i

Sample Info: LCV220624

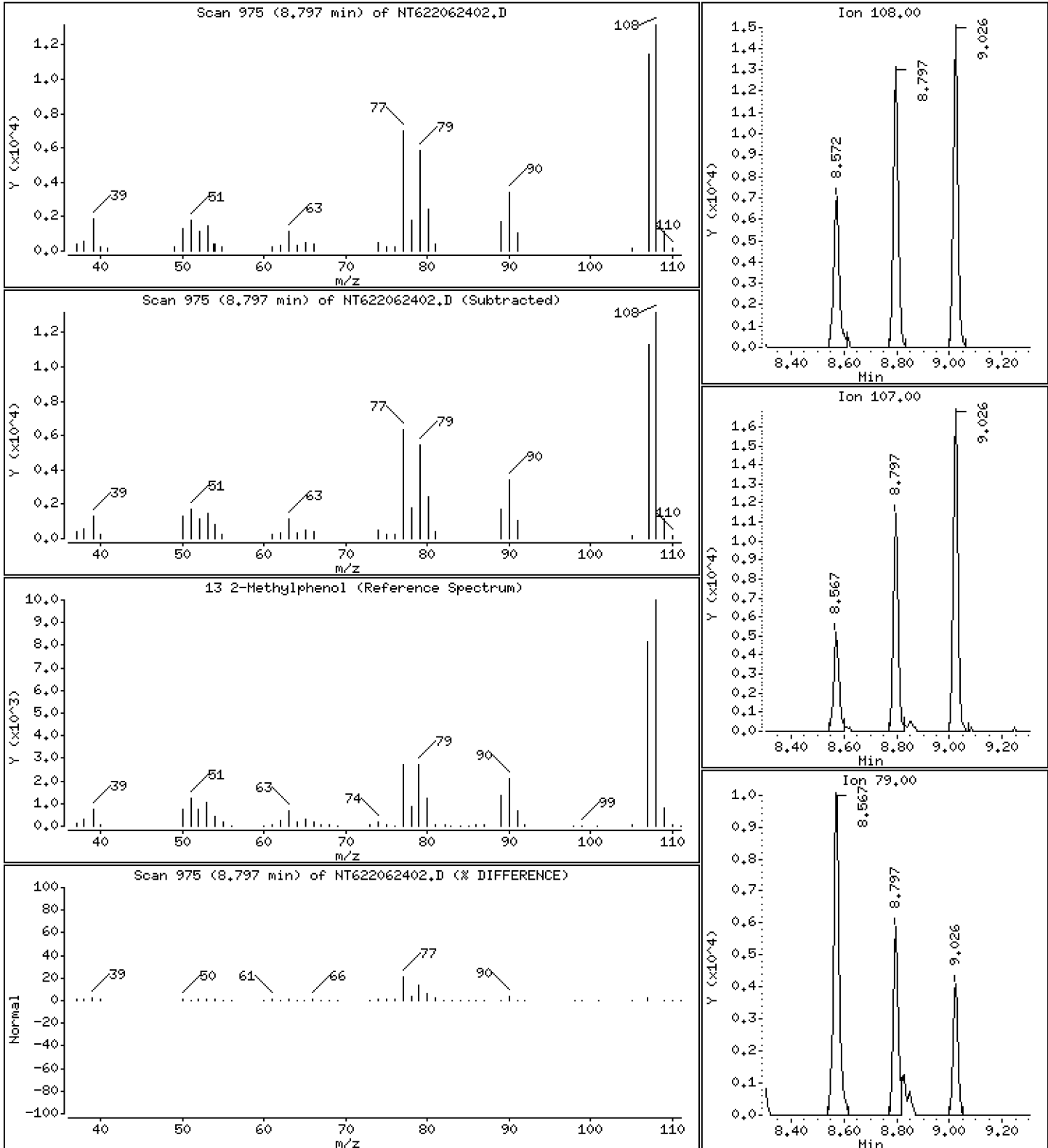
Operator: JZ

Column phase: ZB-5msi

Column diameter: 0.32

13 2-Methylphenol

Concentration: 5.157 ug/mL



Date : 24-JUN-2022 10:59

Client ID:

Instrument: nt6.i

Sample Info: LCV220624

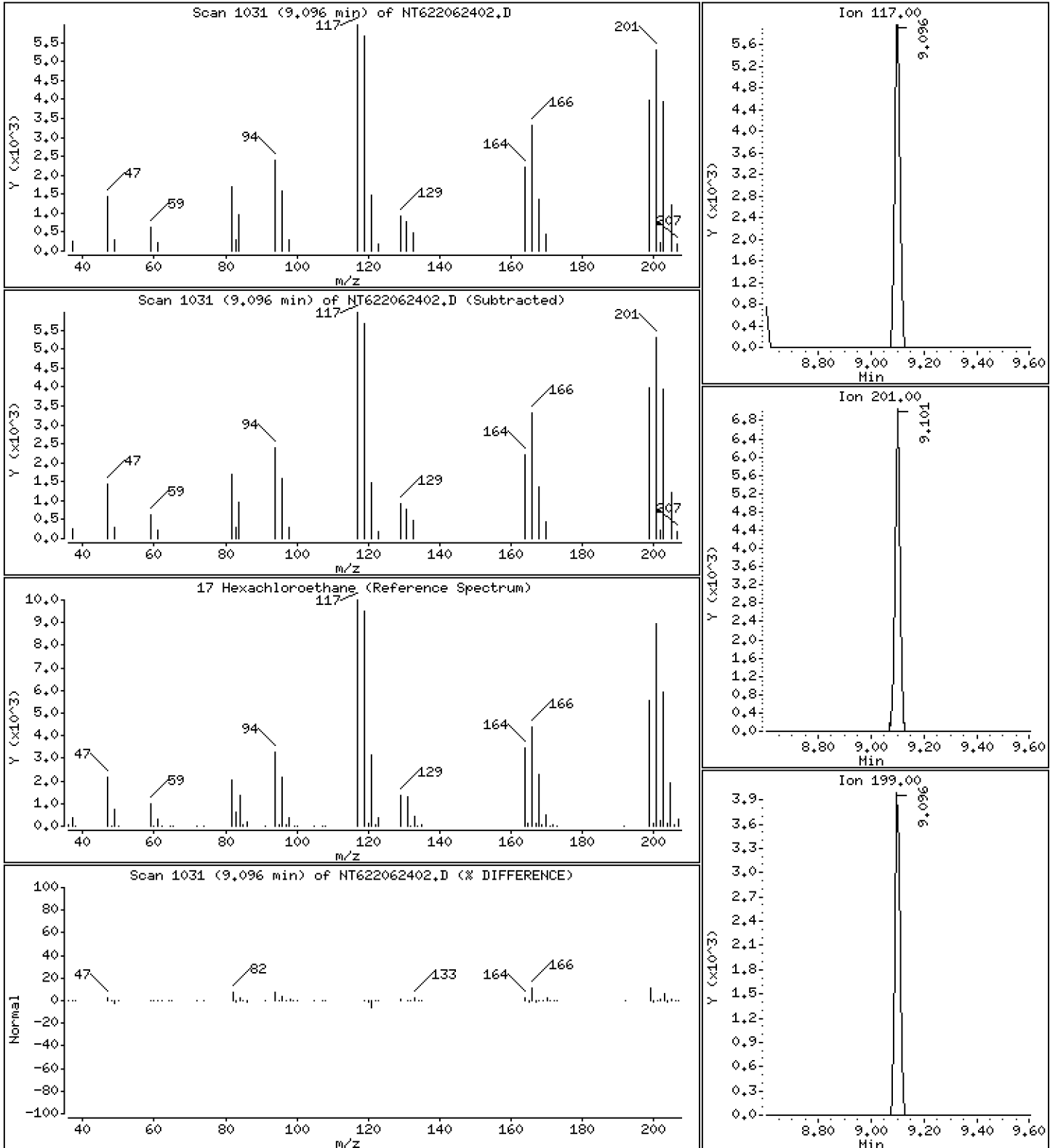
Operator: JZ

Column phase: ZB-5msi

Column diameter: 0.32

17 Hexachloroethane

Concentration: 5,304 ug/mL



Date : 24-JUN-2022 10:59

Client ID:

Instrument: nt6.i

Sample Info: LCV220624

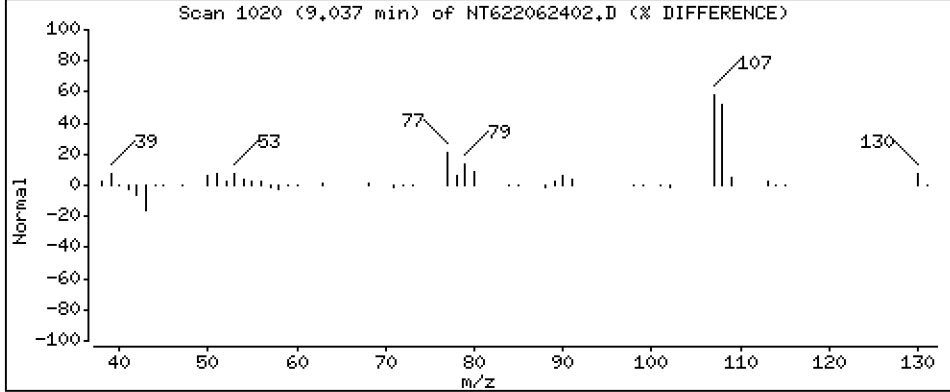
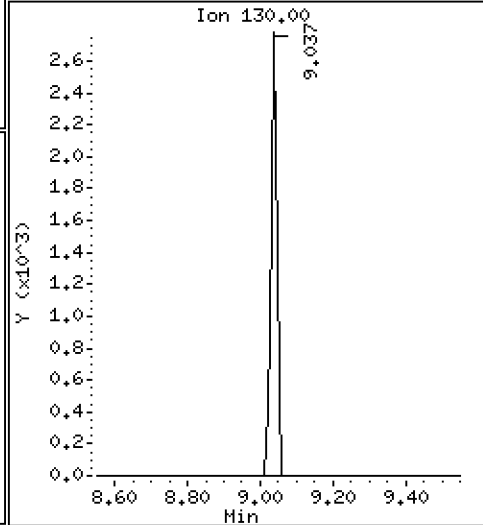
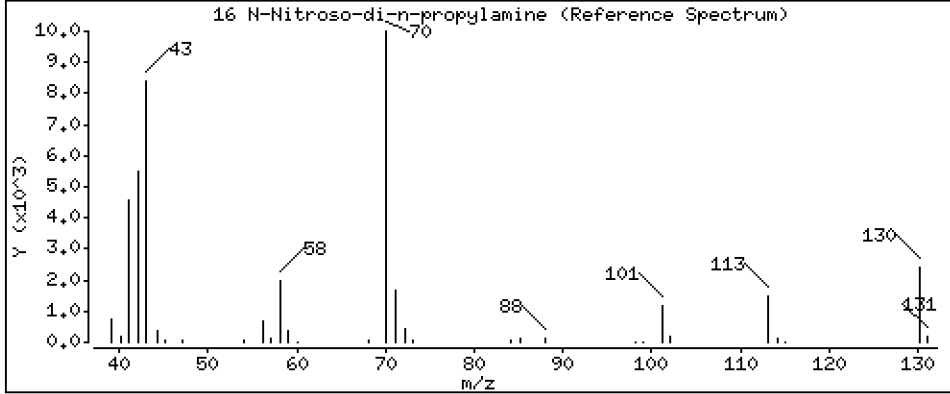
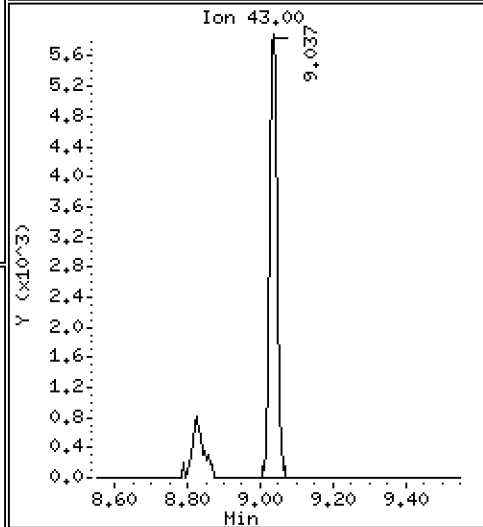
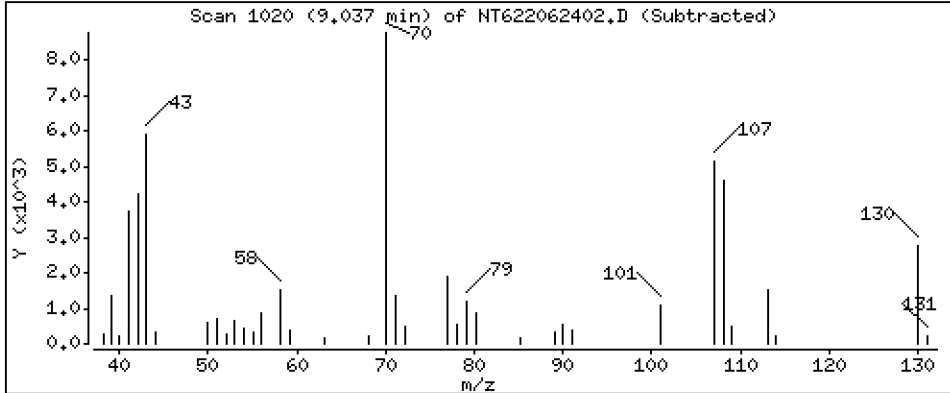
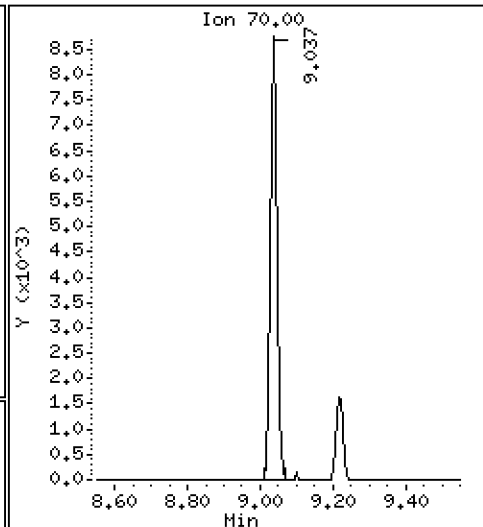
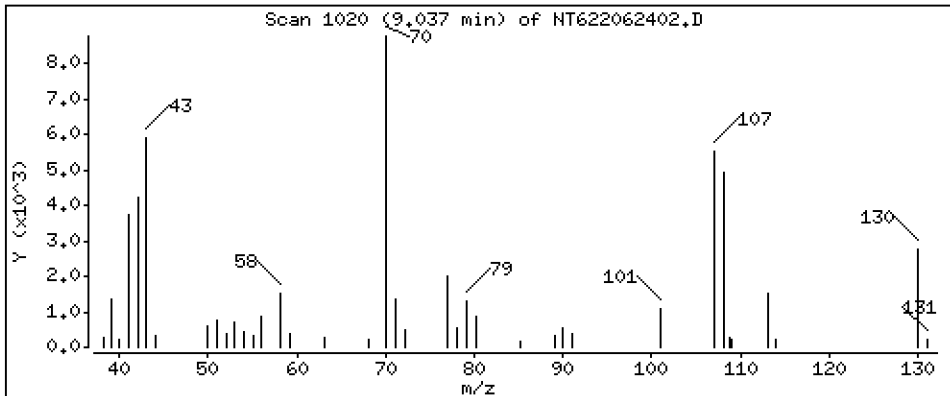
Operator: JZ

Column phase: ZB-5msi

Column diameter: 0.32

16 N-Nitroso-di-n-propylamine

Concentration: 5.098 ug/mL



Date : 24-JUN-2022 10:59

Client ID:

Instrument: nt6.i

Sample Info: LCV220624

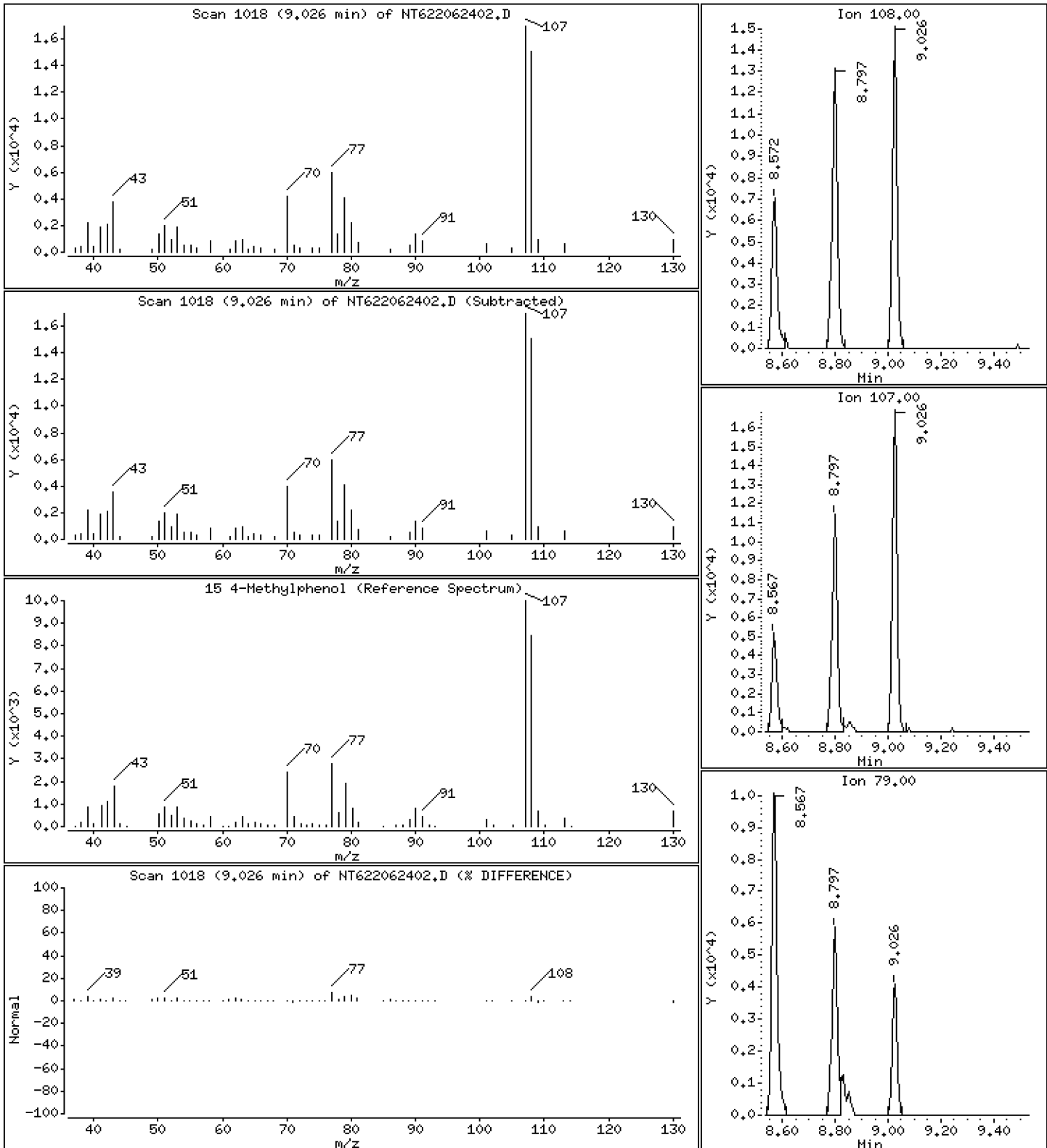
Operator: JZ

Column phase: ZB-5msi

Column diameter: 0.32

15 4-Methylphenol

Concentration: 5.116 ug/mL



Date : 24-JUN-2022 10:59

Client ID:

Instrument: nt6.i

Sample Info: LCV220624

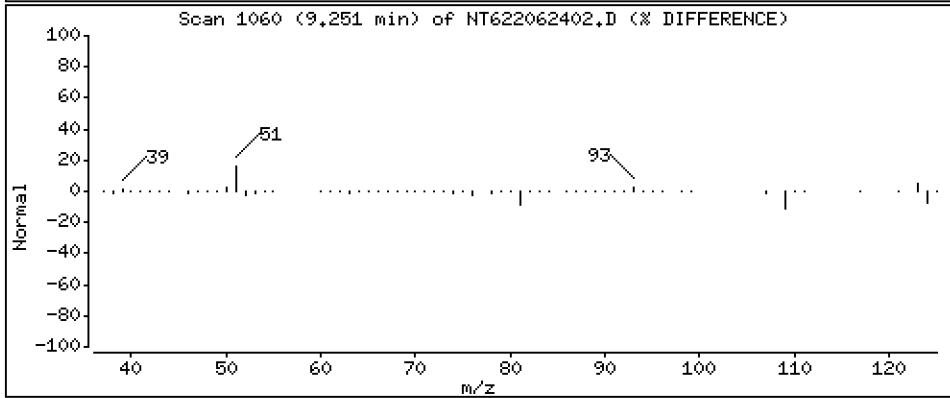
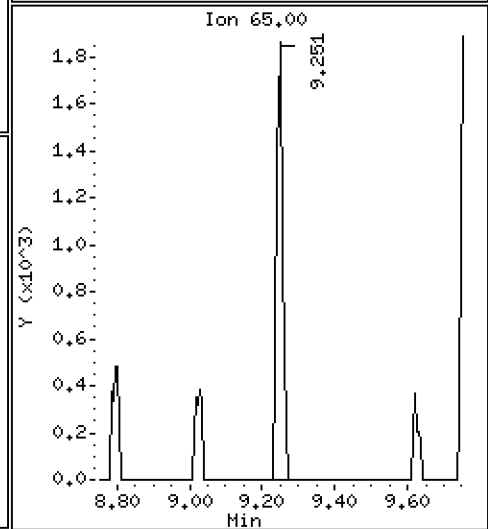
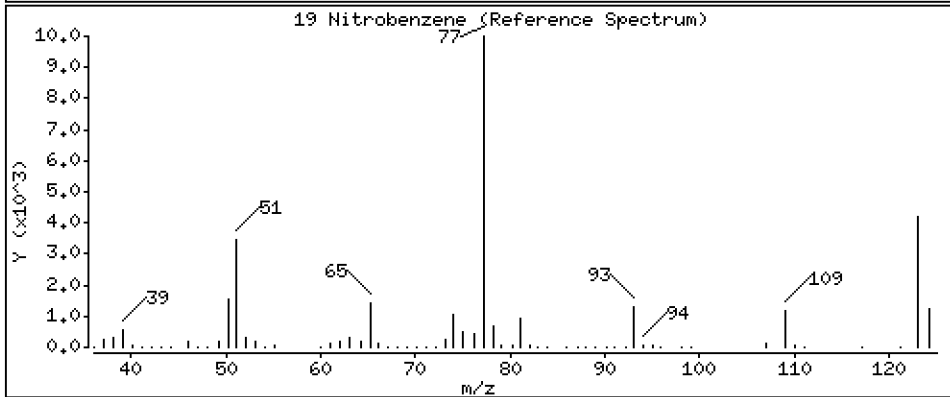
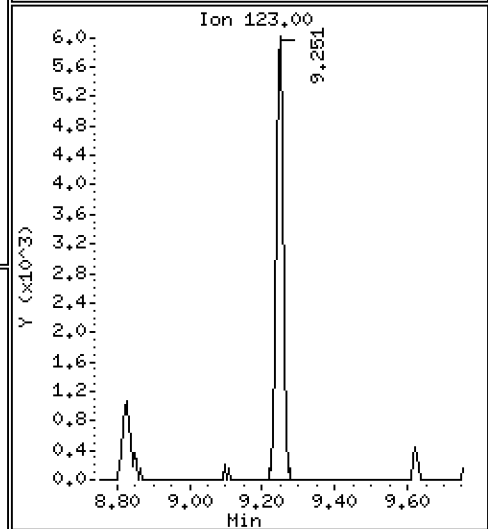
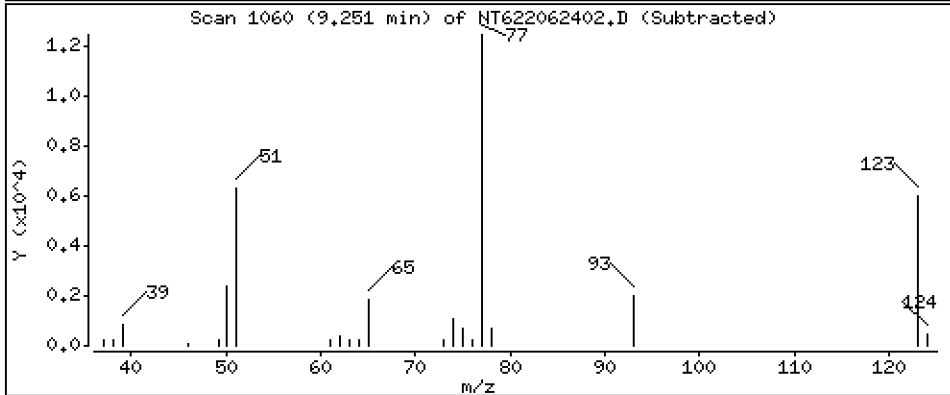
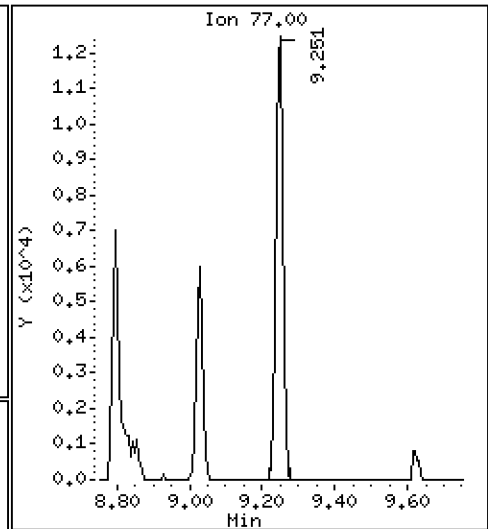
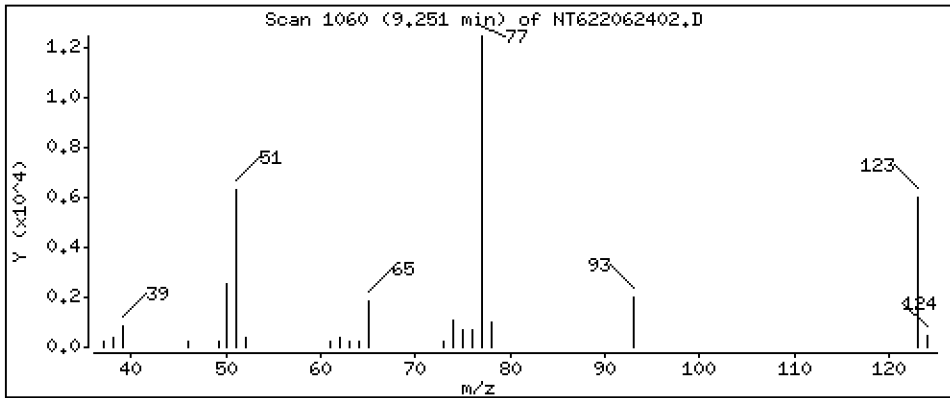
Operator: JZ

Column phase: ZB-5msi

Column diameter: 0.32

19 Nitrobenzene

Concentration: 5.094 ug/mL



Date : 24-JUN-2022 10:59

Client ID:

Instrument: nt6.i

Sample Info: LCV220624

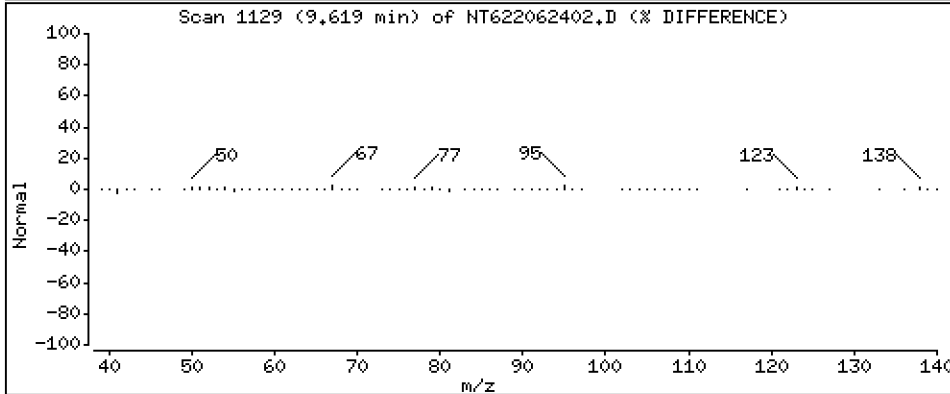
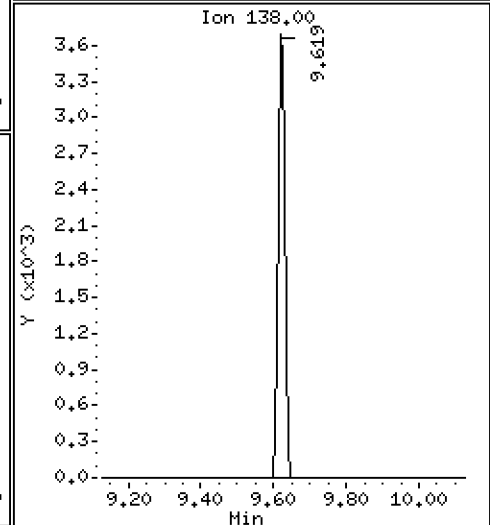
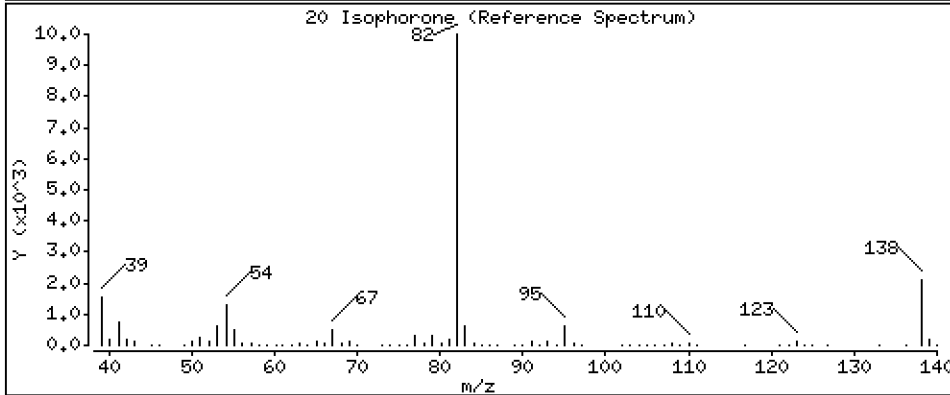
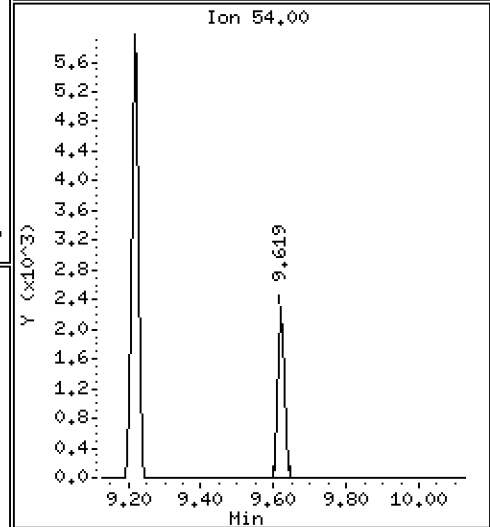
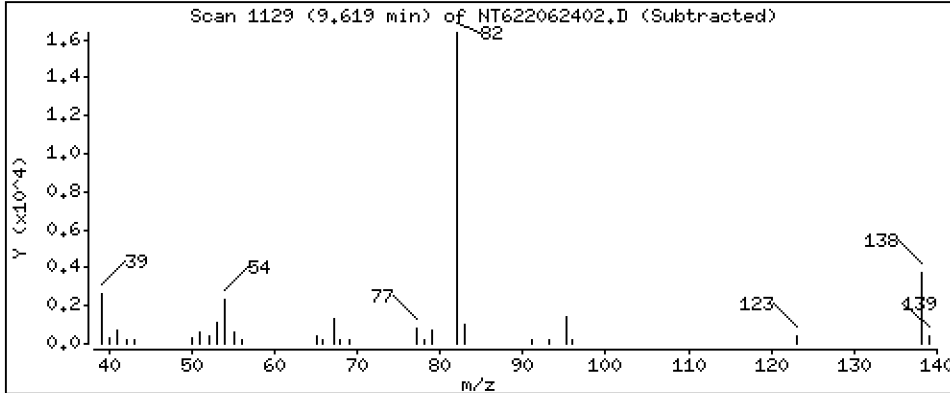
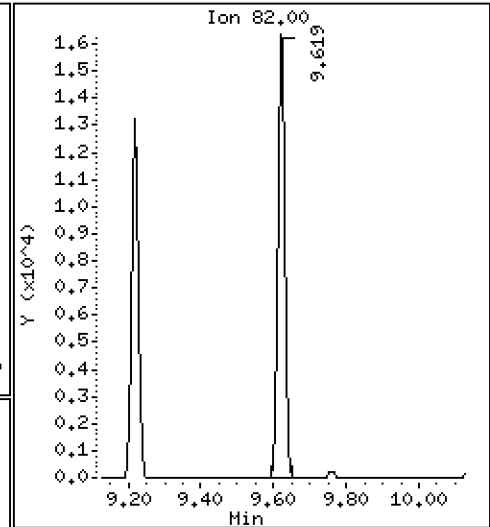
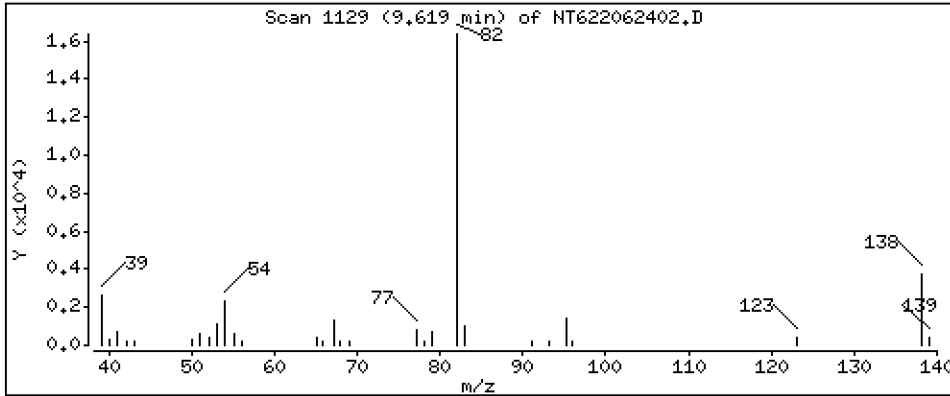
Operator: JZ

Column phase: ZB-5msi

Column diameter: 0.32

20 Isophorone

Concentration: 5.098 ug/mL



Date : 24-JUN-2022 10:59

Client ID:

Instrument: nt6.i

Sample Info: LCV220624

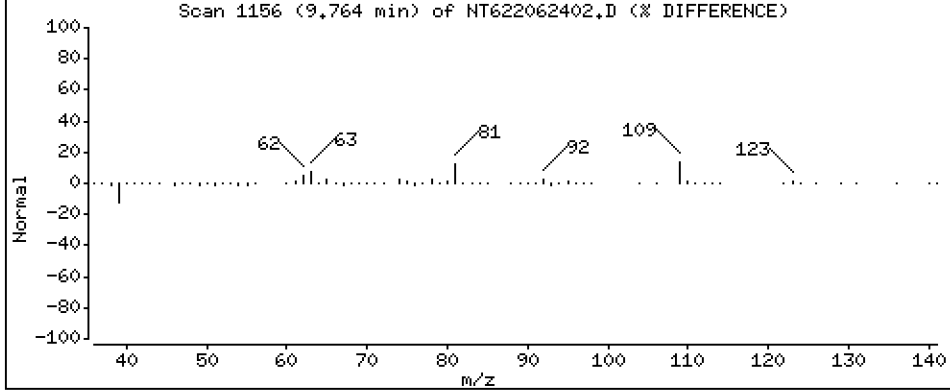
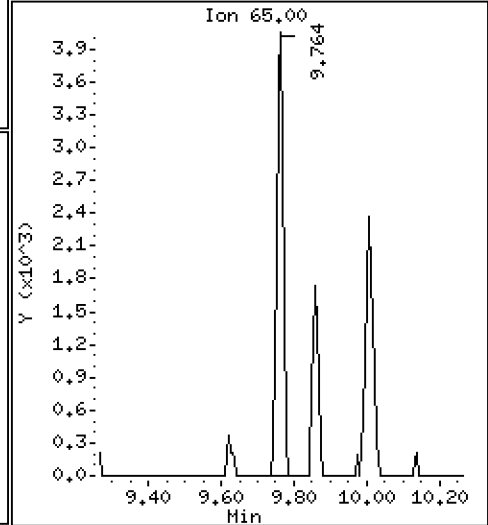
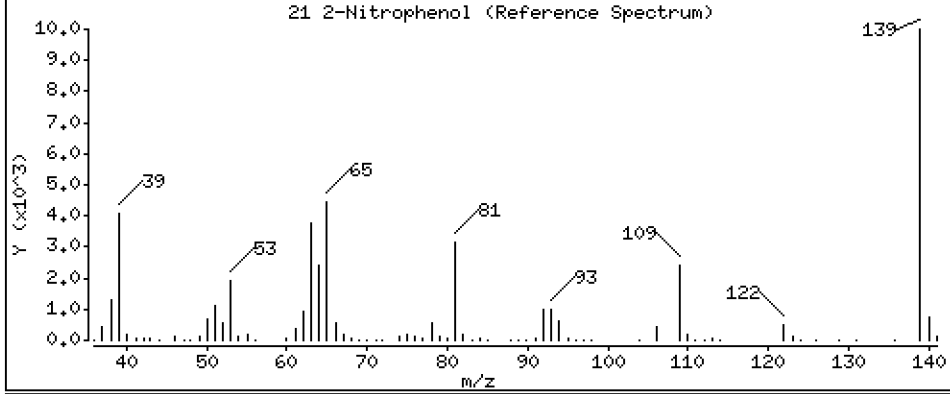
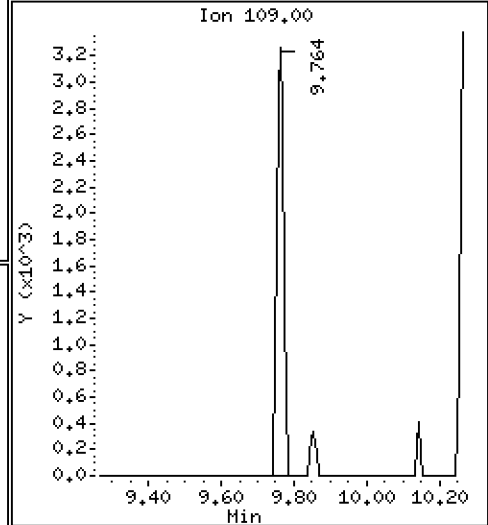
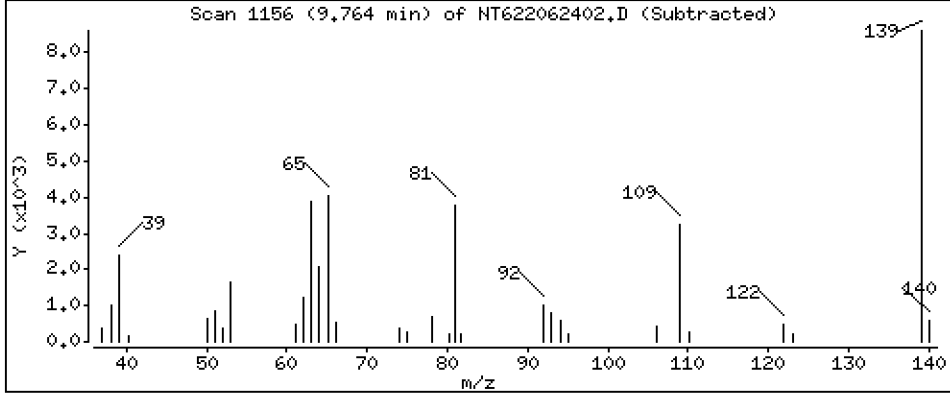
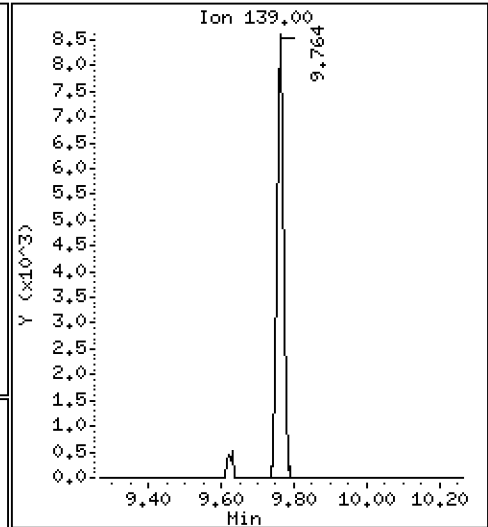
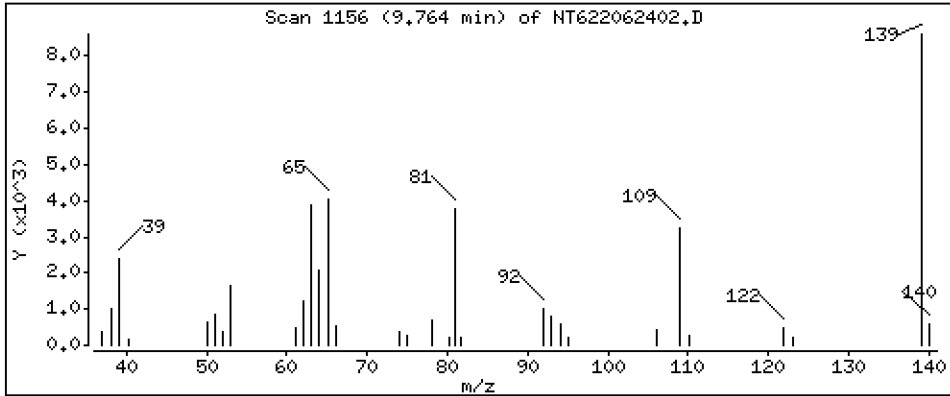
Operator: JZ

Column phase: ZB-5msi

Column diameter: 0.32

21 2-Nitrophenol

Concentration: 5,194 ug/mL



Date : 24-JUN-2022 10:59

Client ID:

Instrument: nt6.i

Sample Info: LCV220624

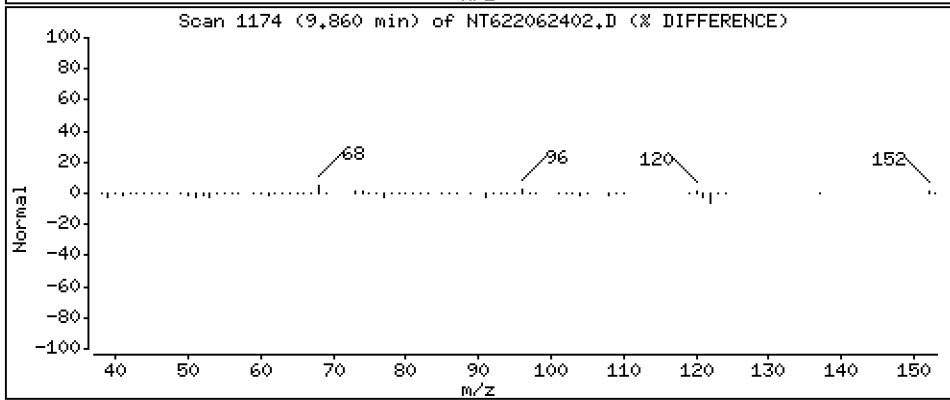
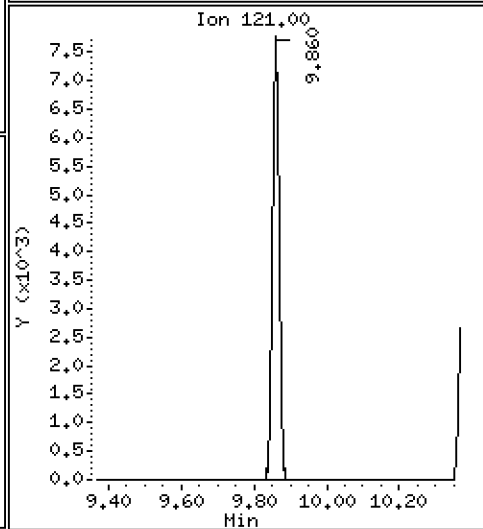
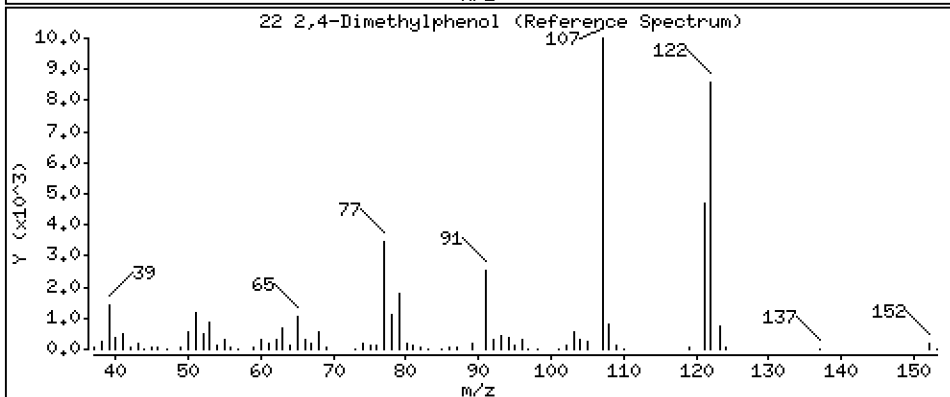
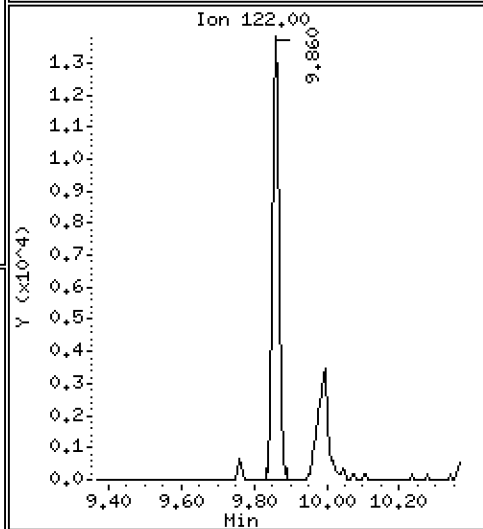
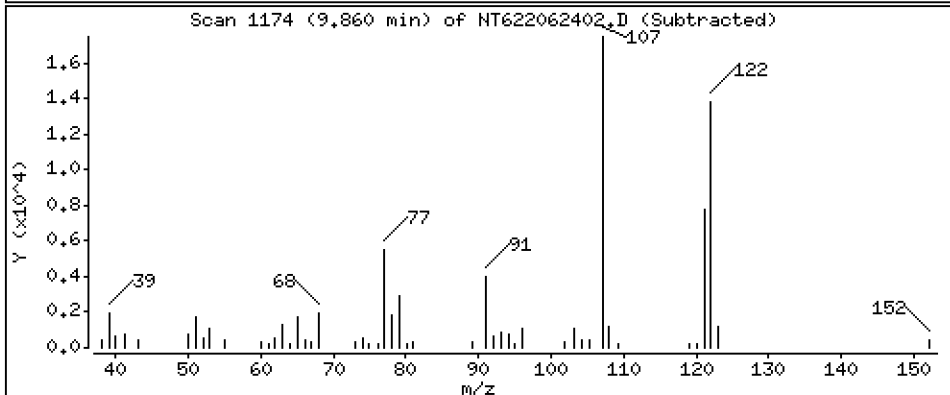
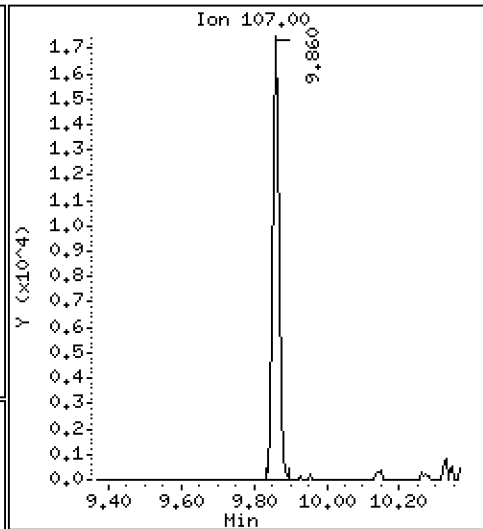
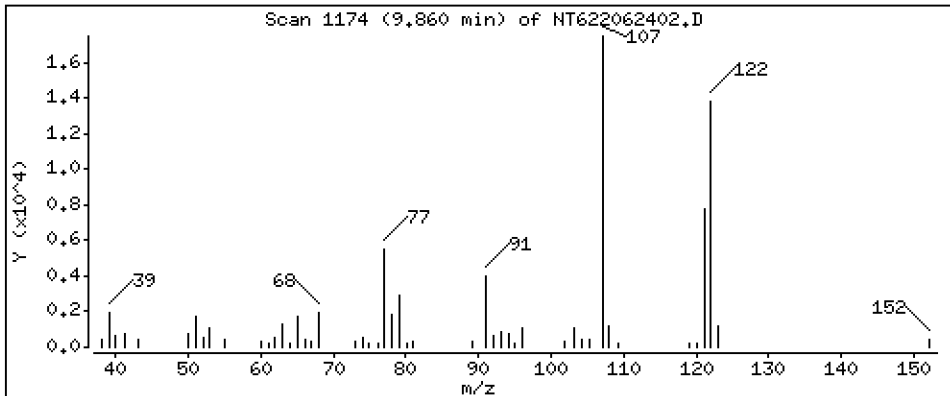
Operator: JZ

Column phase: ZB-5msi

Column diameter: 0.32

22 2,4-Dimethylphenol

Concentration: 5.452 ug/mL



Date : 24-JUN-2022 10:59

Client ID:

Instrument: nt6.i

Sample Info: LCV220624

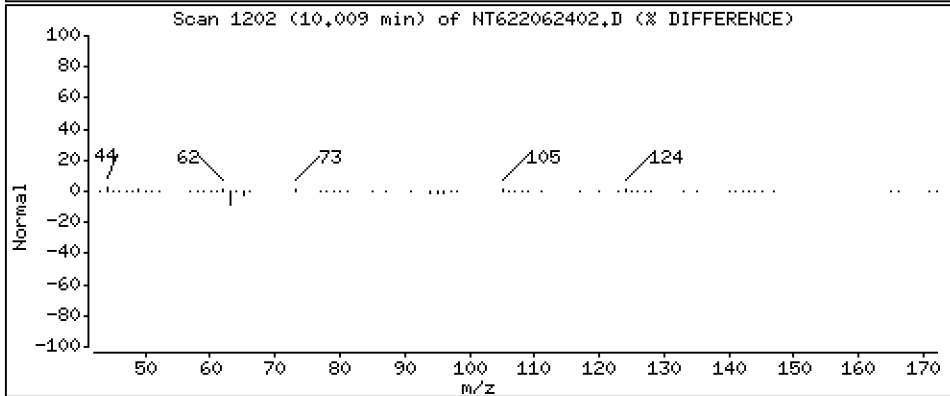
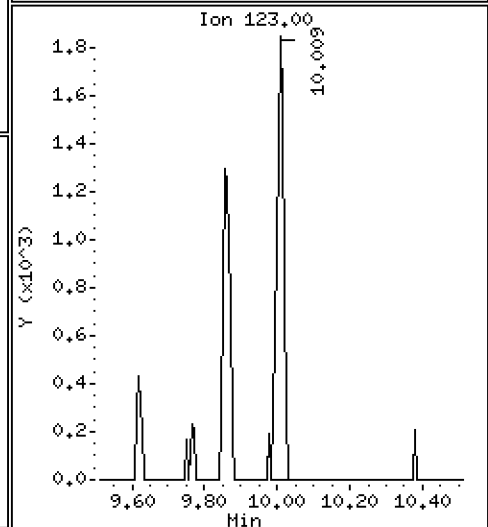
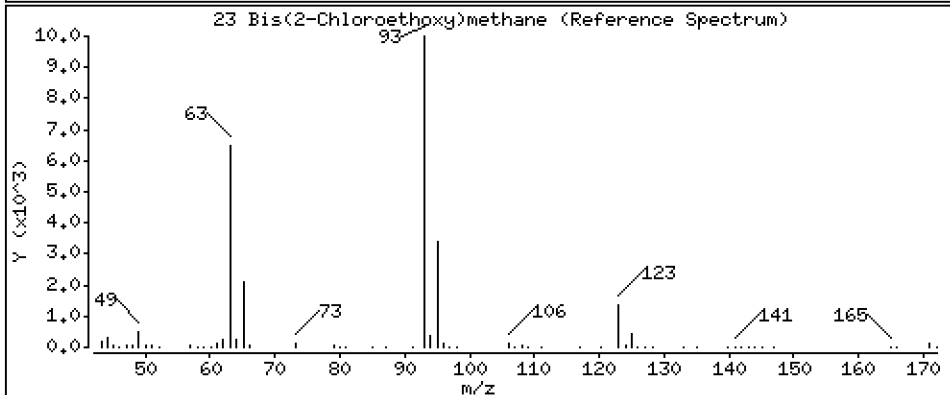
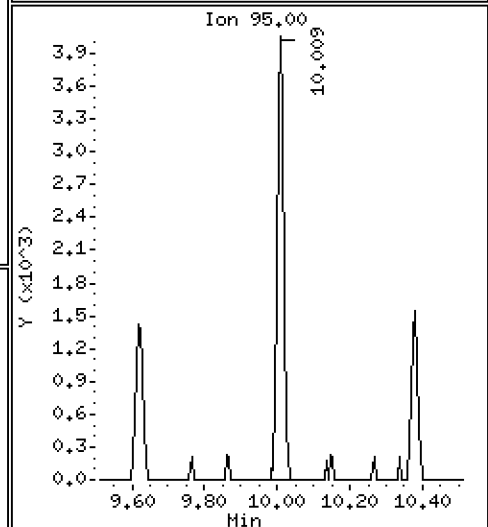
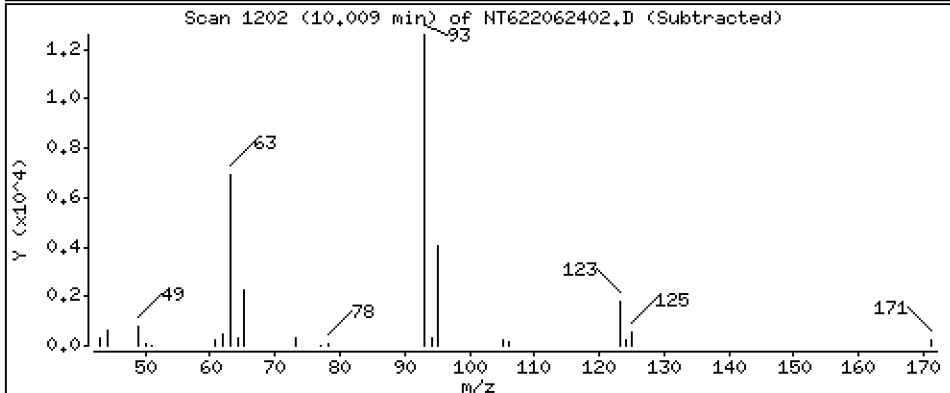
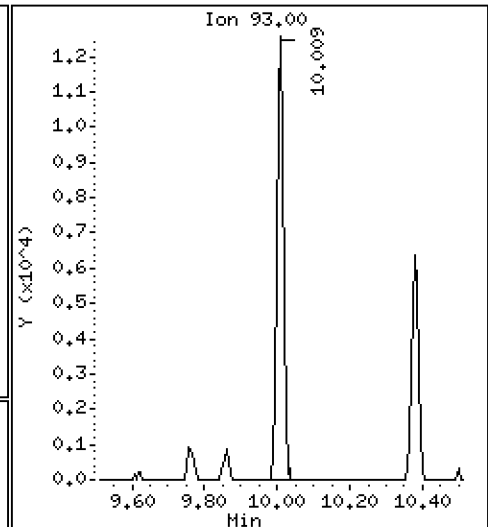
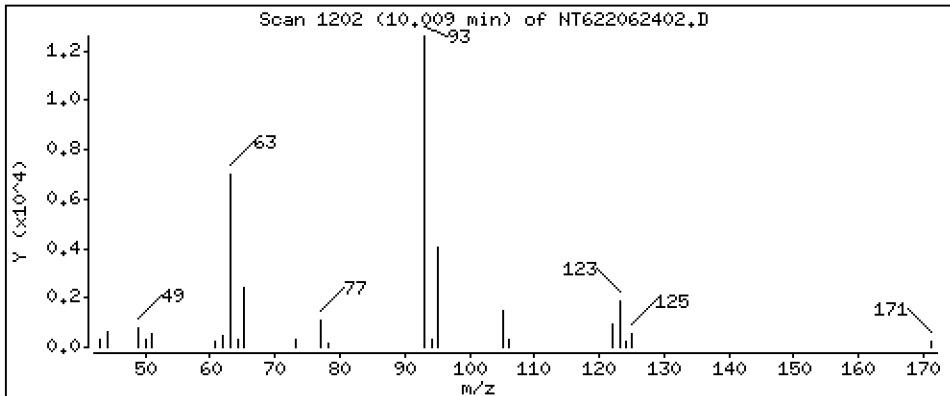
Operator: JZ

Column phase: ZB-5msi

Column diameter: 0.32

23 Bis(2-Chloroethoxy)methane

Concentration: 5.136 ug/mL



Date : 24-JUN-2022 10:59

Client ID:

Instrument: nt6.i

Sample Info: LCV220624

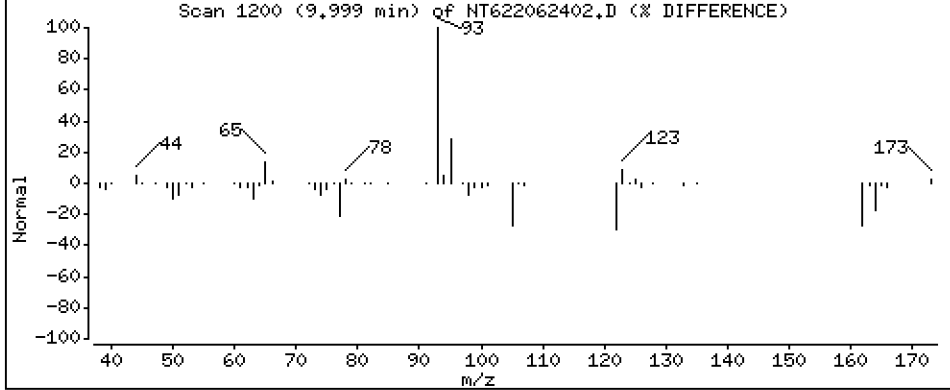
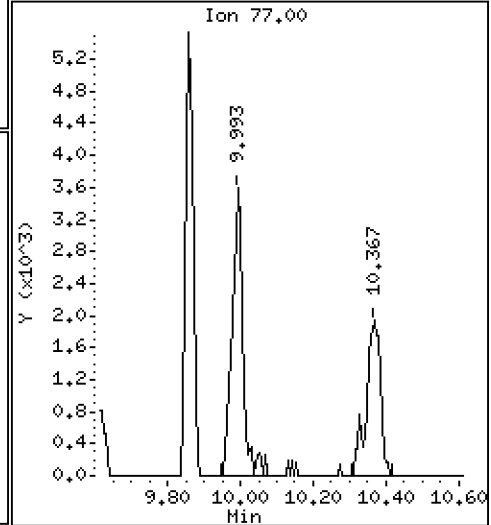
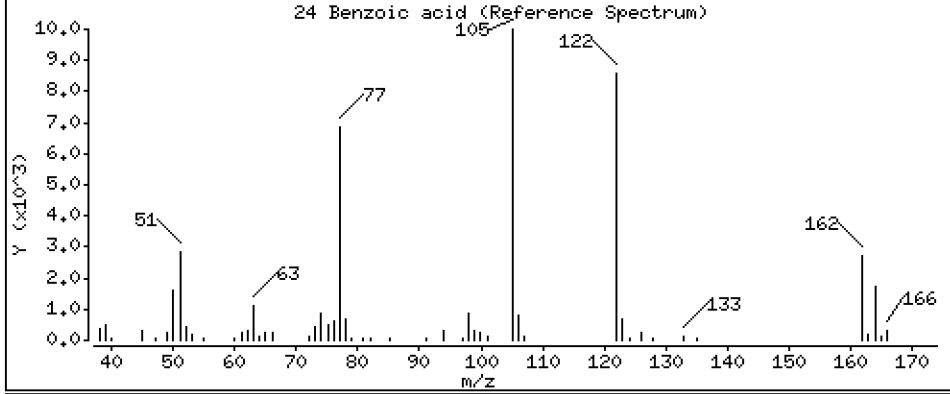
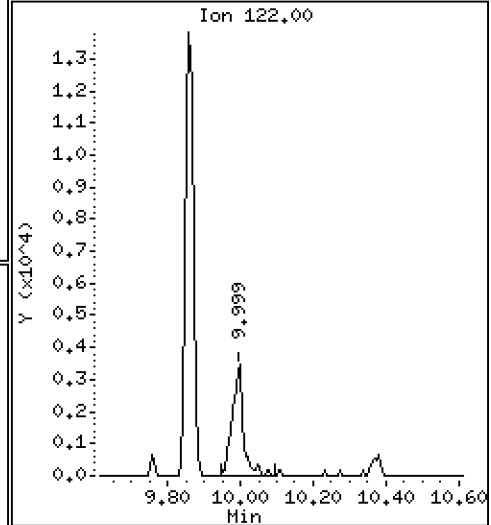
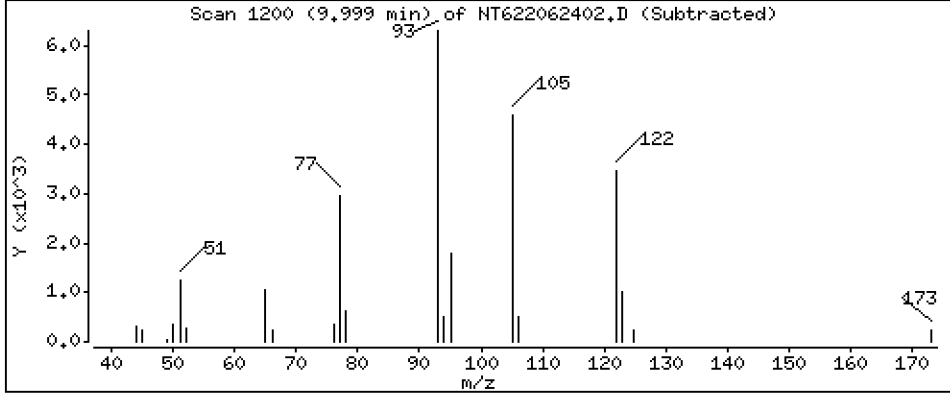
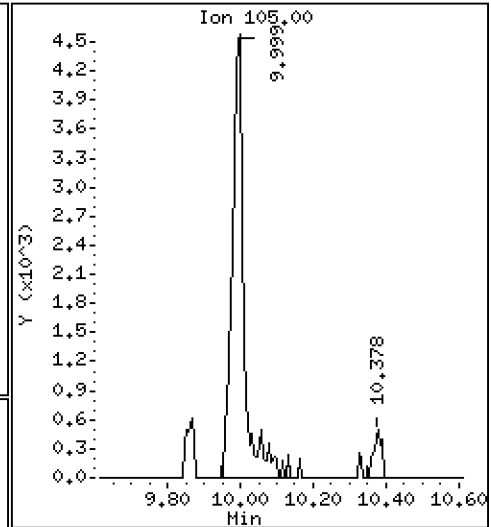
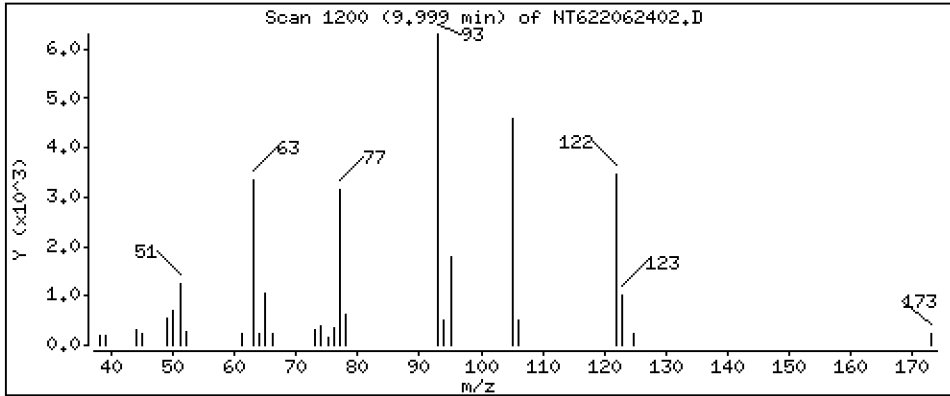
Operator: JZ

Column phase: ZB-5msi

Column diameter: 0.32

24 Benzoic acid

Concentration: 4.198 ug/mL



Date : 24-JUN-2022 10:59

Client ID:

Instrument: nt6.i

Sample Info: LCV220624

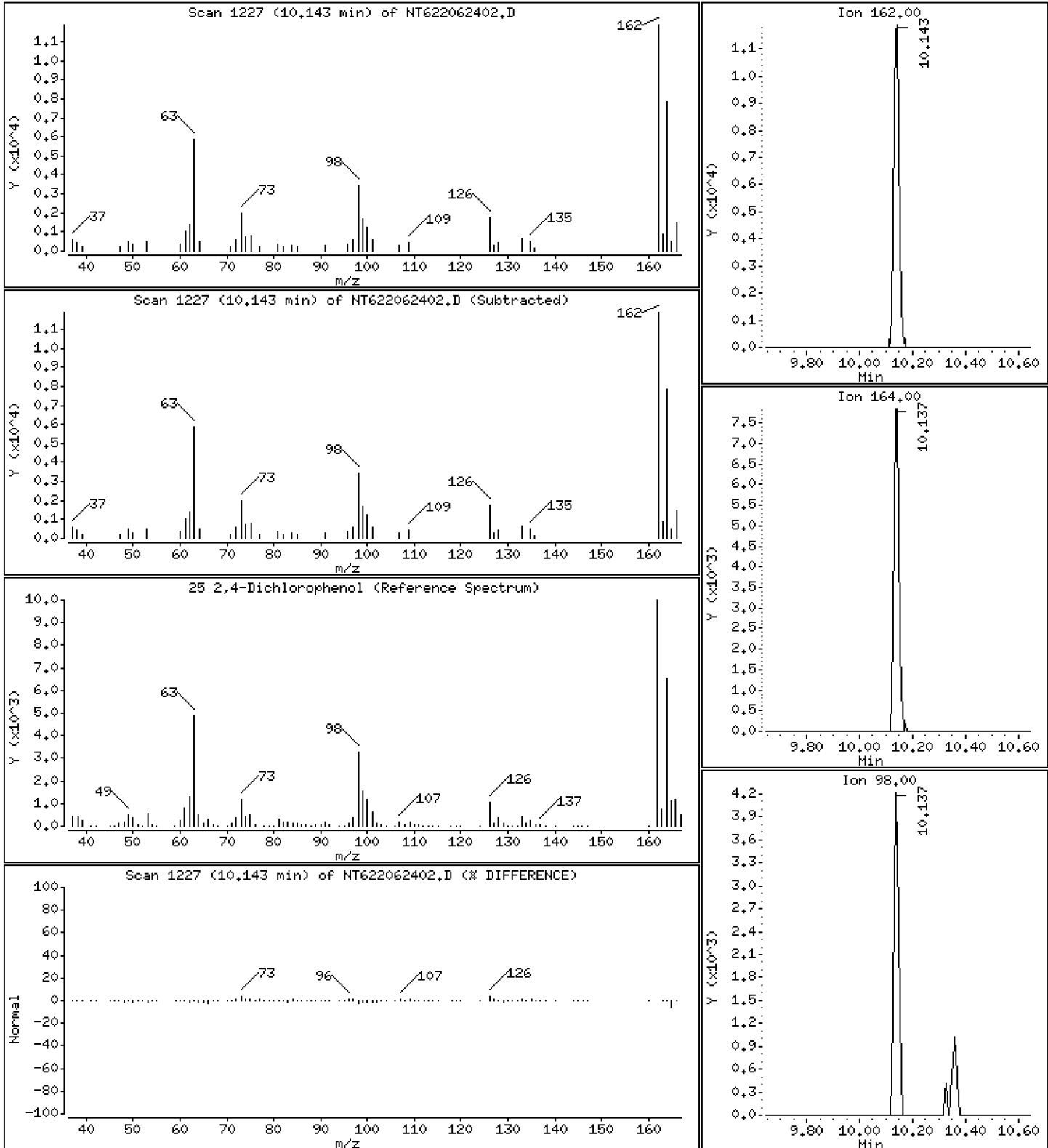
Operator: JZ

Column phase: ZB-5msi

Column diameter: 0,32

25 2,4-Dichlorophenol

Concentration: 5,254 ug/mL



Date : 24-JUN-2022 10:59

Client ID:

Instrument: nt6.i

Sample Info: LCV220624

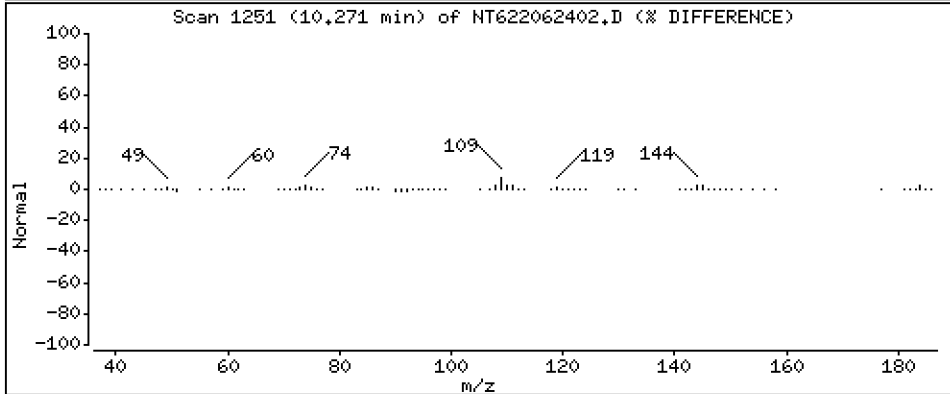
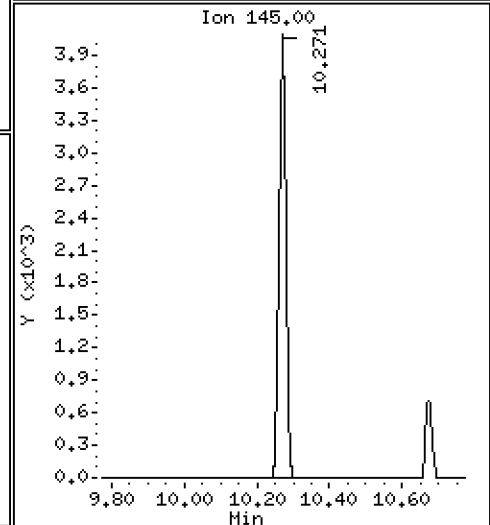
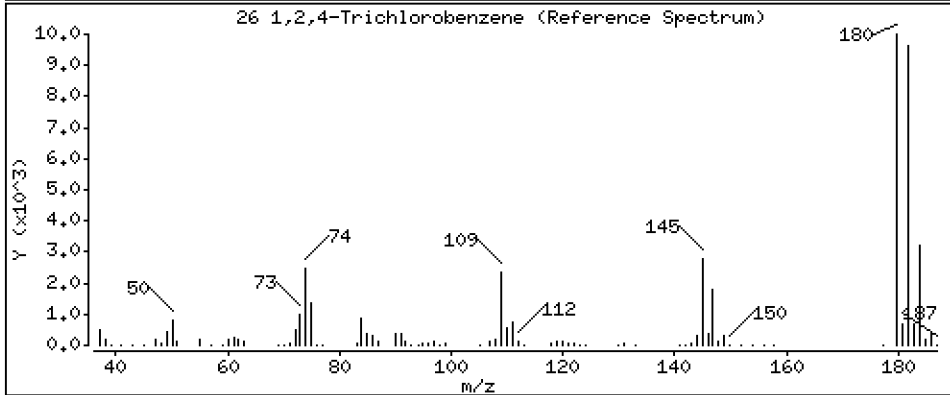
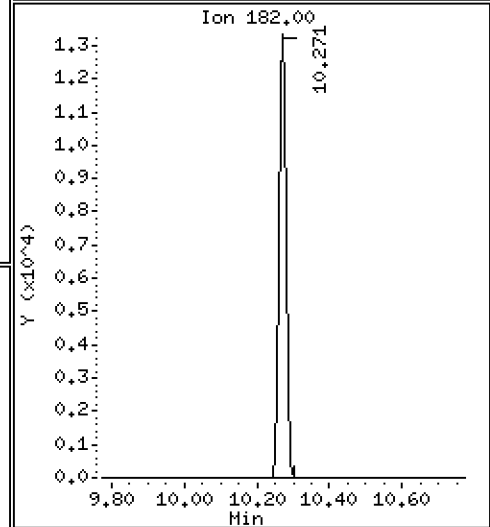
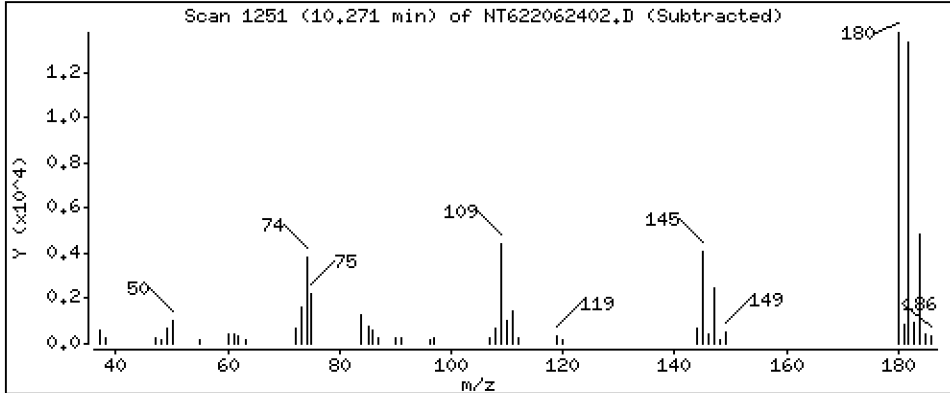
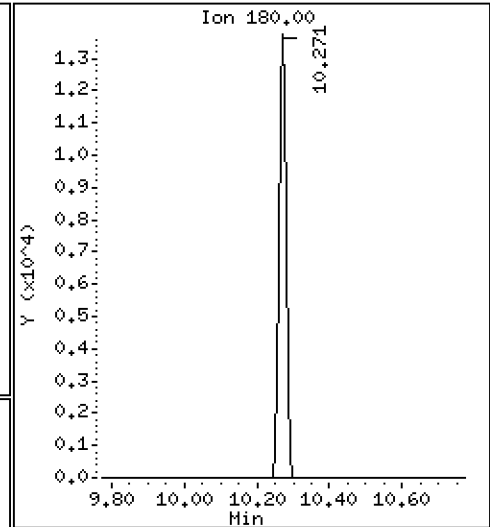
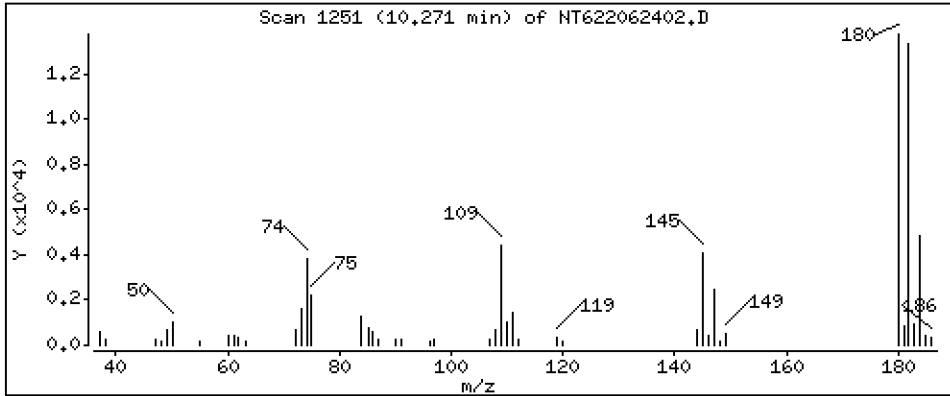
Operator: JZ

Column phase: ZB-5msi

Column diameter: 0.32

26 1,2,4-Trichlorobenzene

Concentration: 5,189 ug/mL



Date : 24-JUN-2022 10:59

Client ID:

Instrument: nt6.i

Sample Info: LCV220624

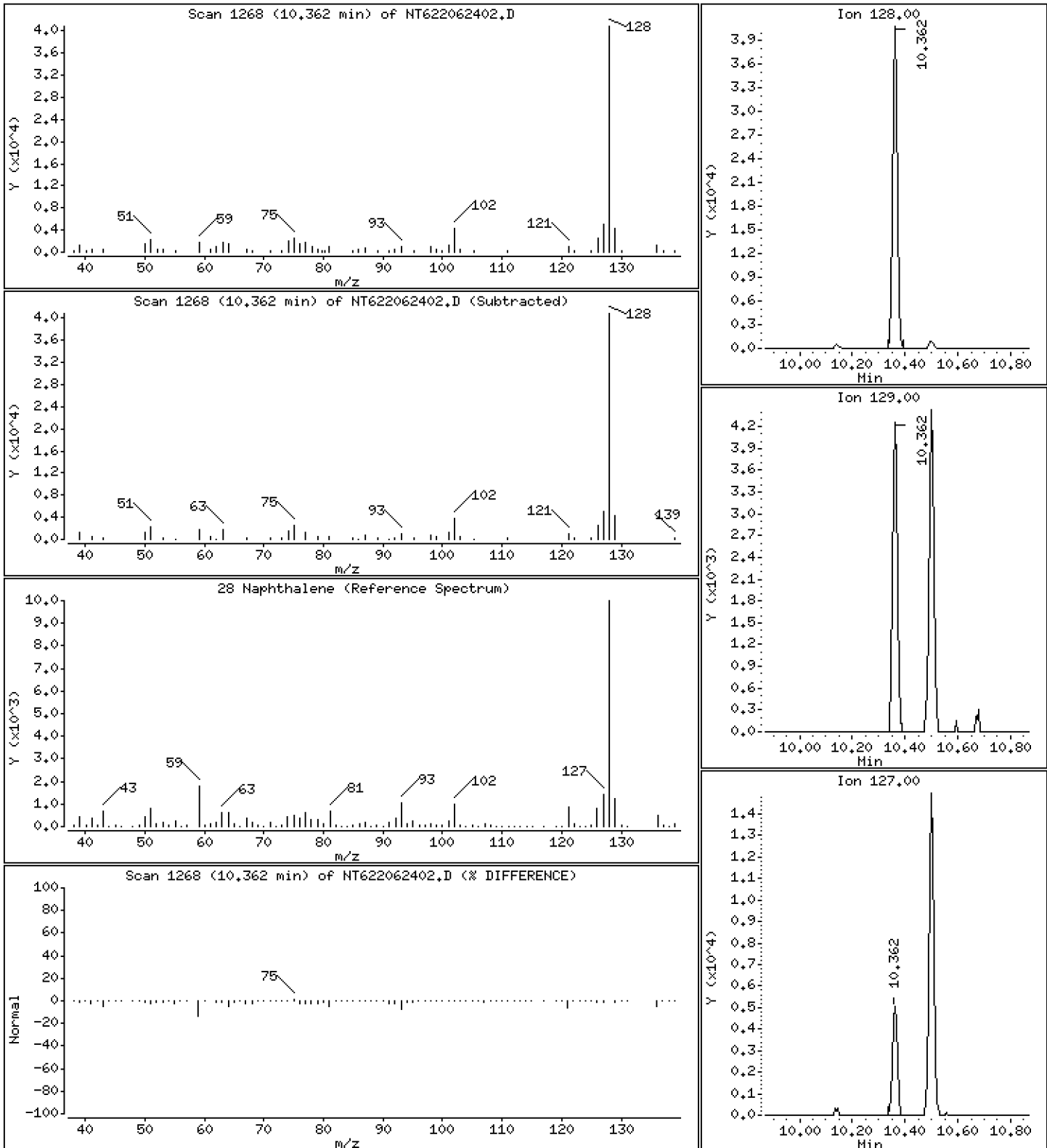
Operator: JZ

Column phase: ZB-5msi

Column diameter: 0.32

28 Naphthalene

Concentration: 5.093 ug/mL



Date : 24-JUN-2022 10:59

Client ID:

Instrument: nt6.i

Sample Info: LCV220624

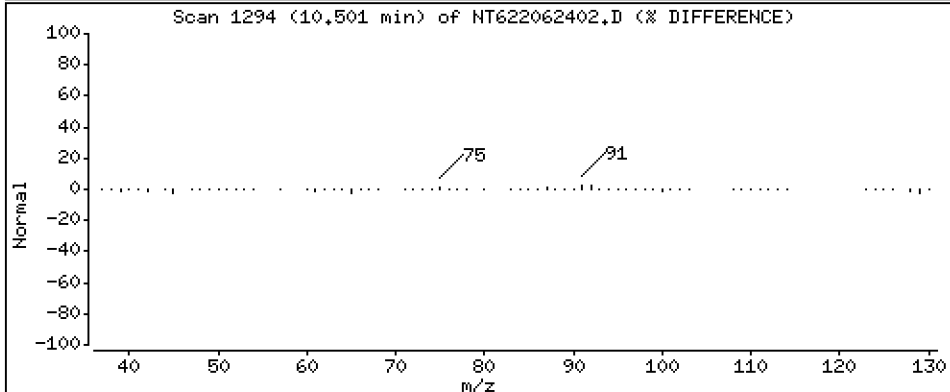
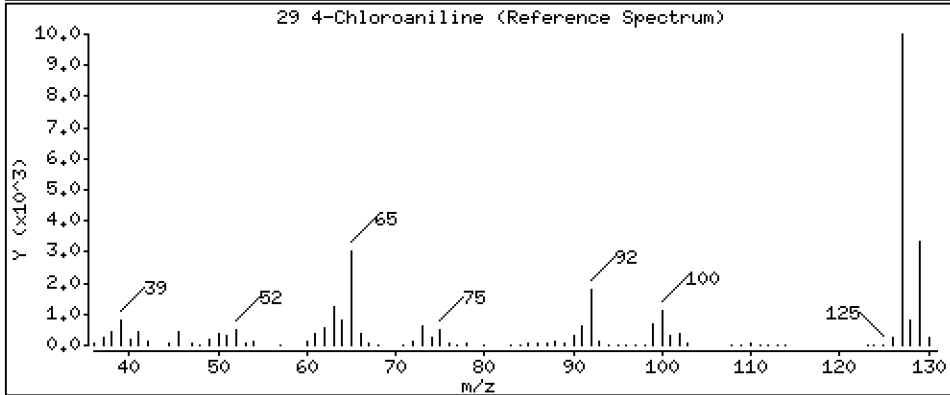
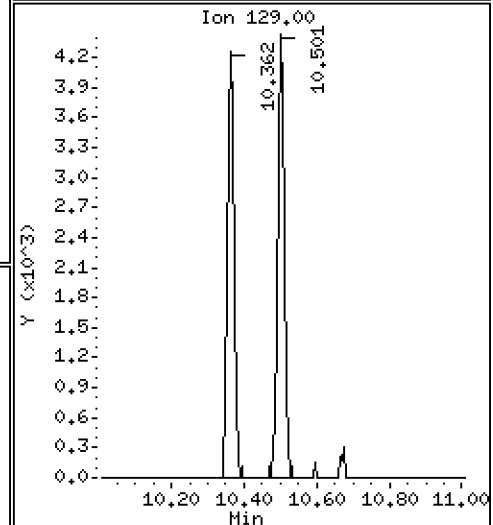
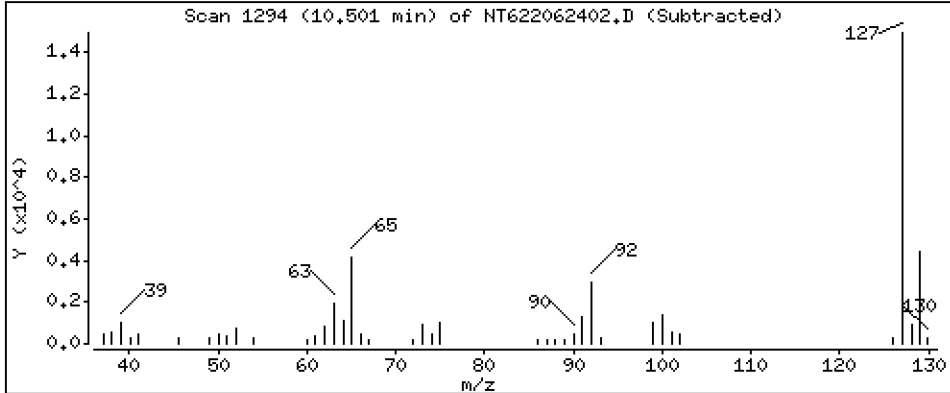
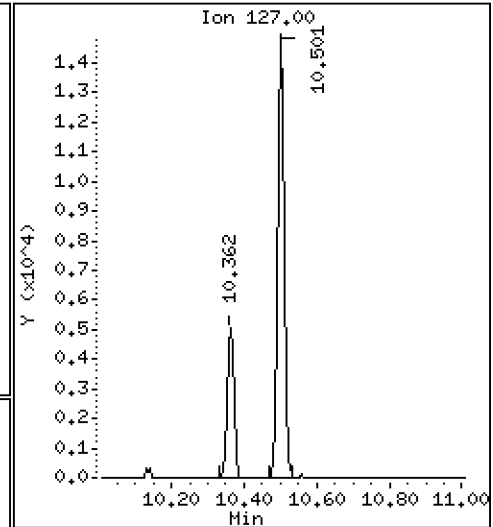
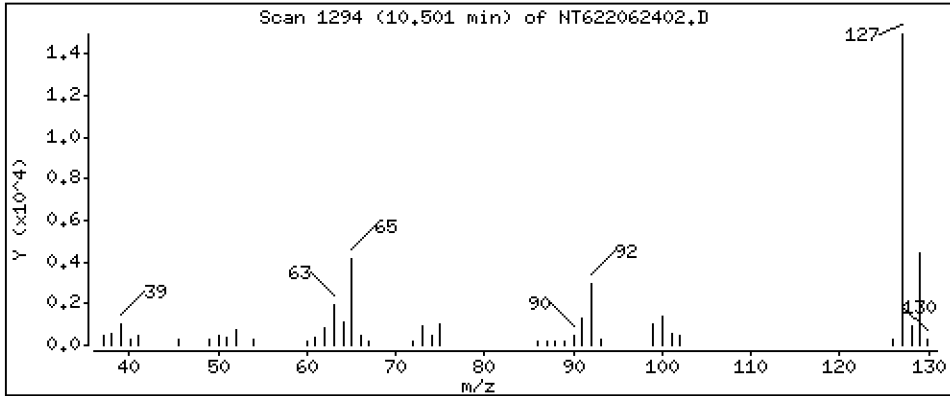
Operator: JZ

Column phase: ZB-5msi

Column diameter: 0.32

29 4-Chloroaniline

Concentration: 4.642 ug/mL



Date : 24-JUN-2022 10:59

Client ID:

Instrument: nt6.i

Sample Info: LCV220624

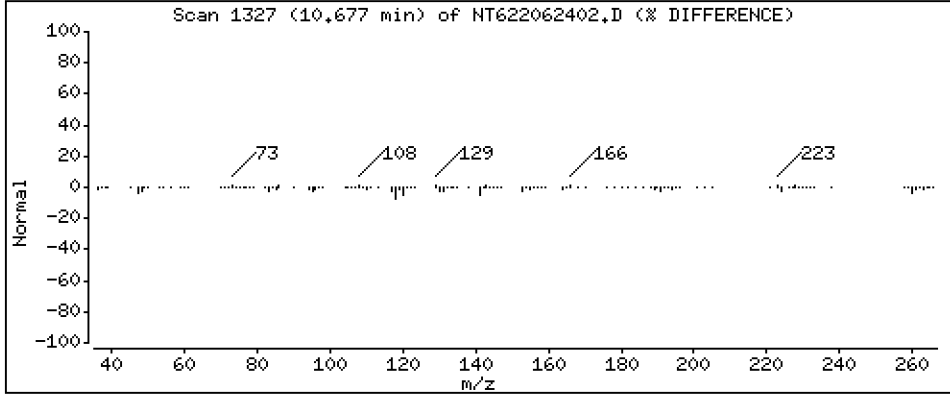
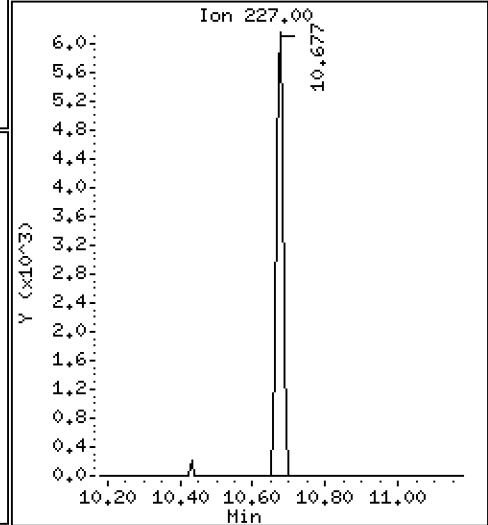
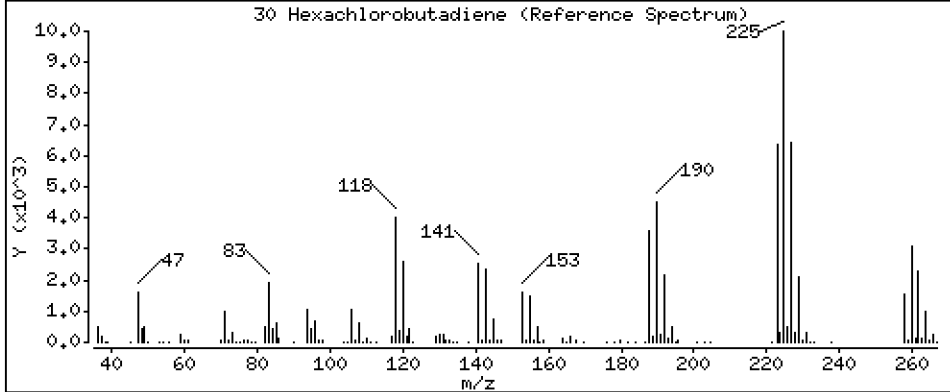
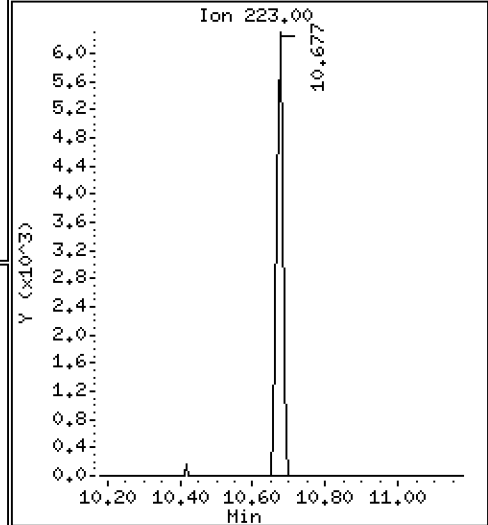
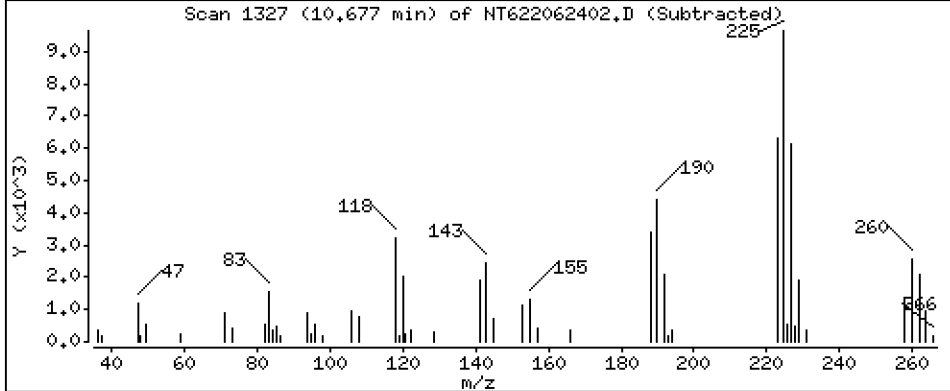
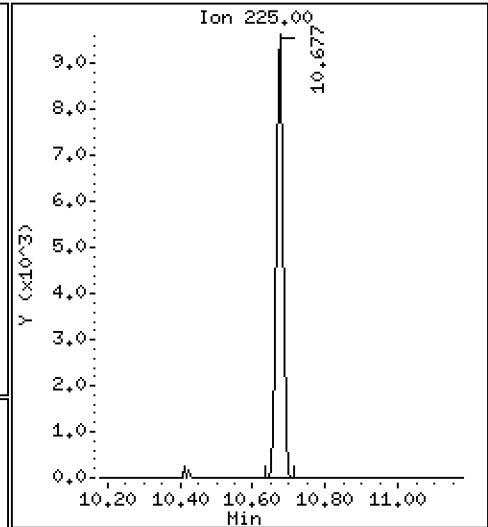
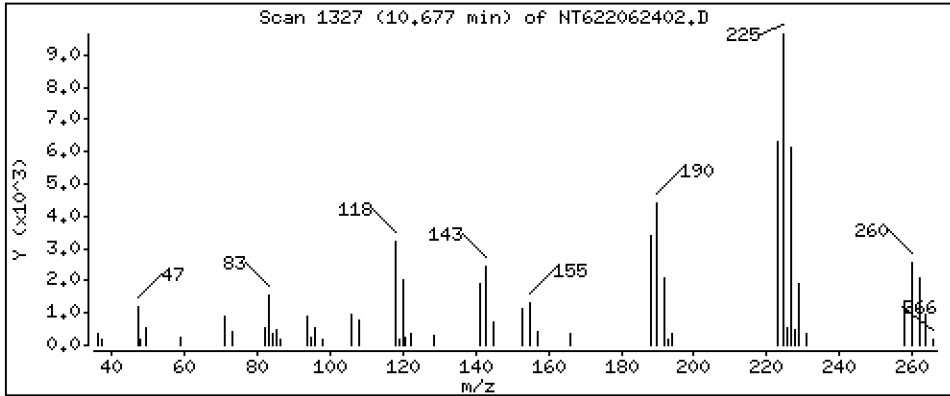
Operator: JZ

Column phase: ZB-5msi

Column diameter: 0.32

30 Hexachlorobutadiene

Concentration: 5.325 ug/mL



Date : 24-JUN-2022 10:59

Client ID:

Instrument: nt6.i

Sample Info: LCV220624

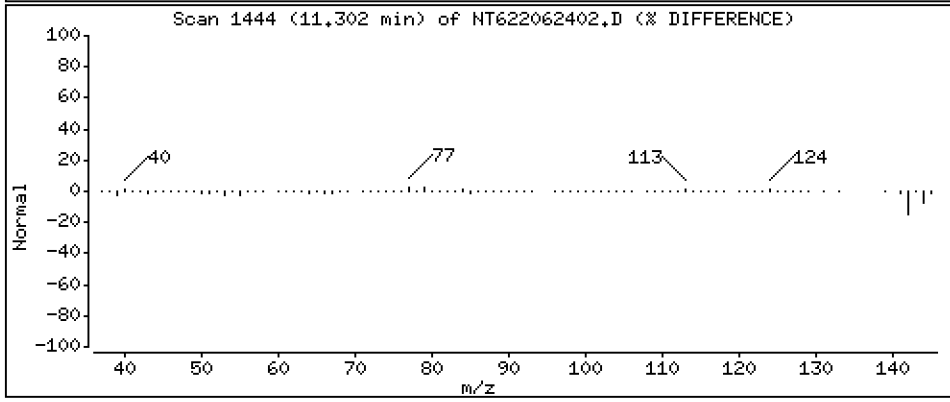
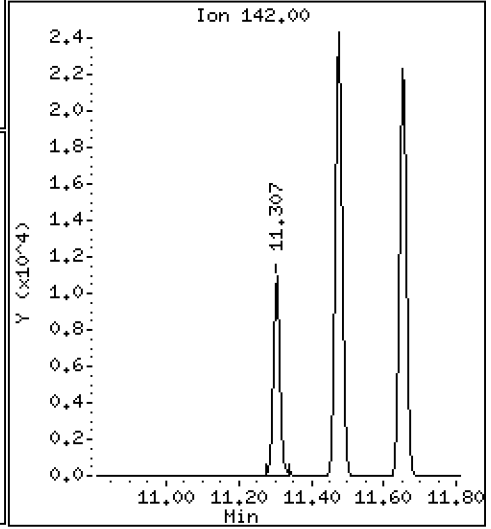
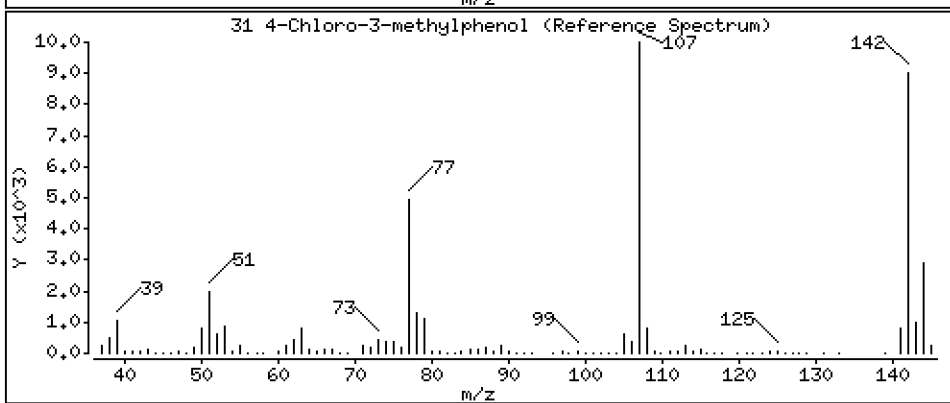
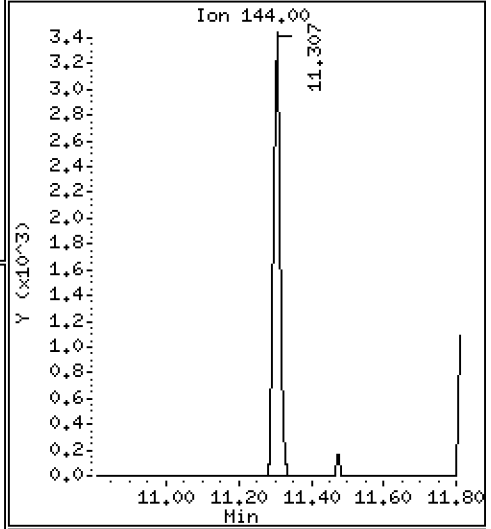
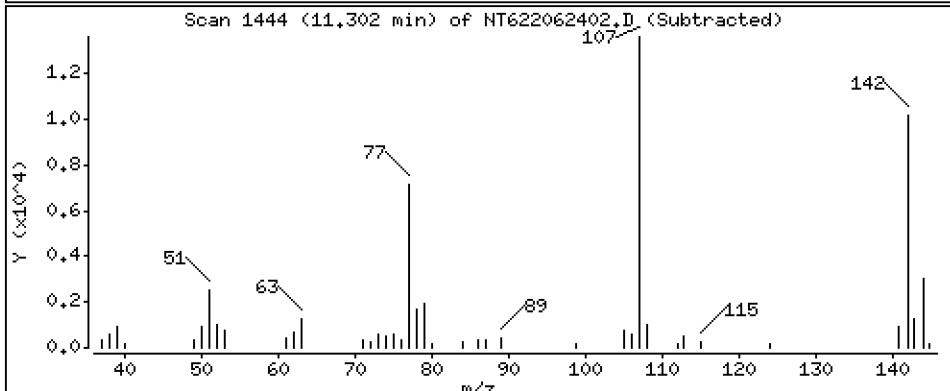
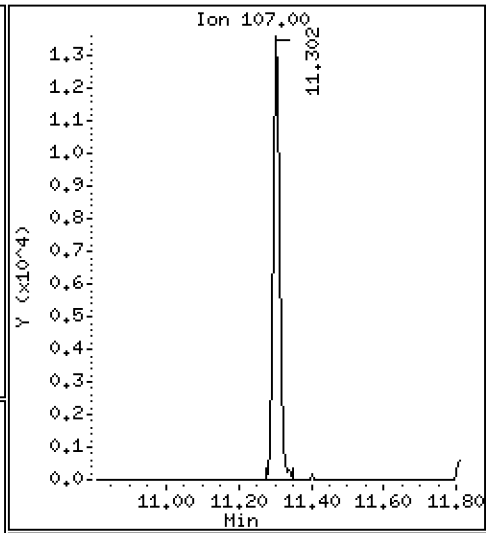
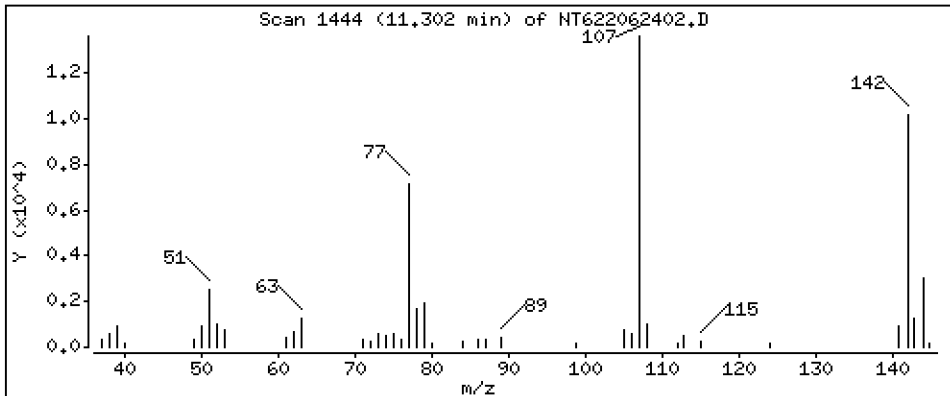
Operator: JZ

Column phase: ZB-5msi

Column diameter: 0.32

31 4-Chloro-3-methylphenol

Concentration: 5.288 ug/mL



Date : 24-JUN-2022 10:59

Client ID:

Instrument: nt6.i

Sample Info: LCV220624

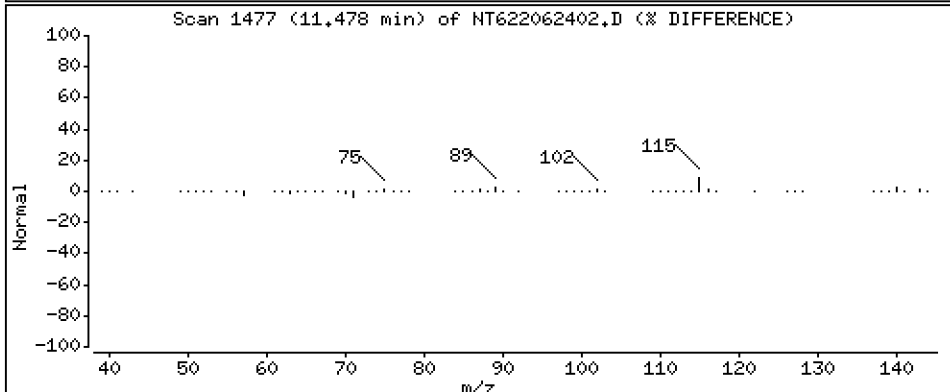
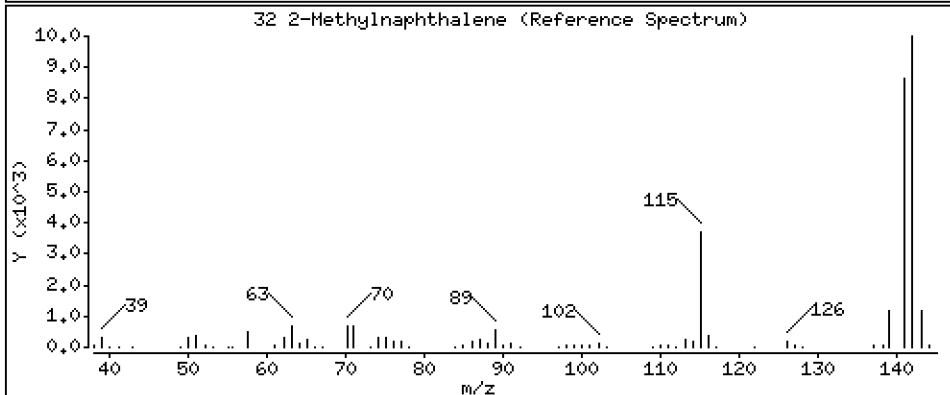
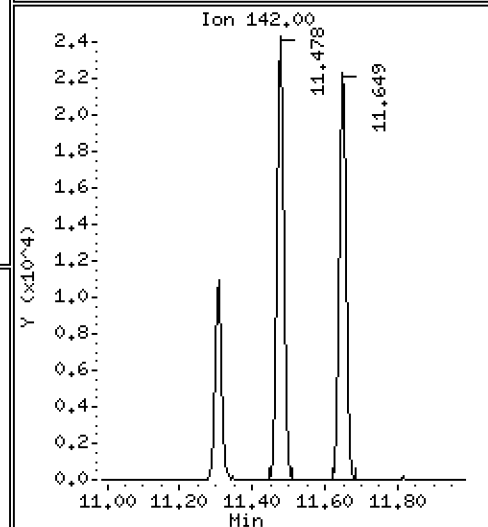
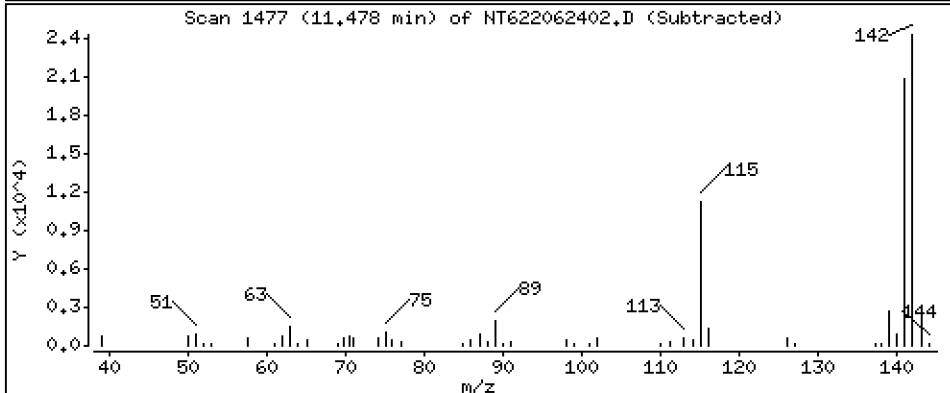
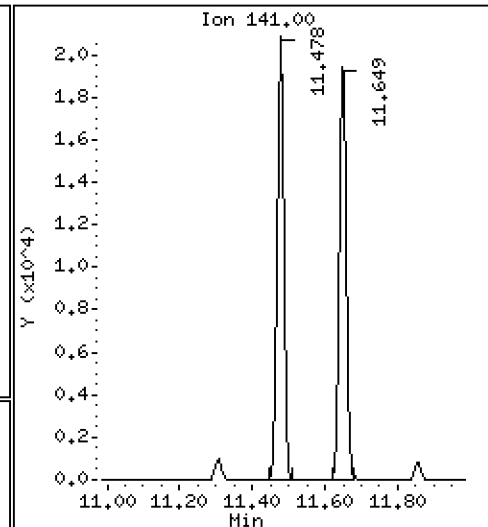
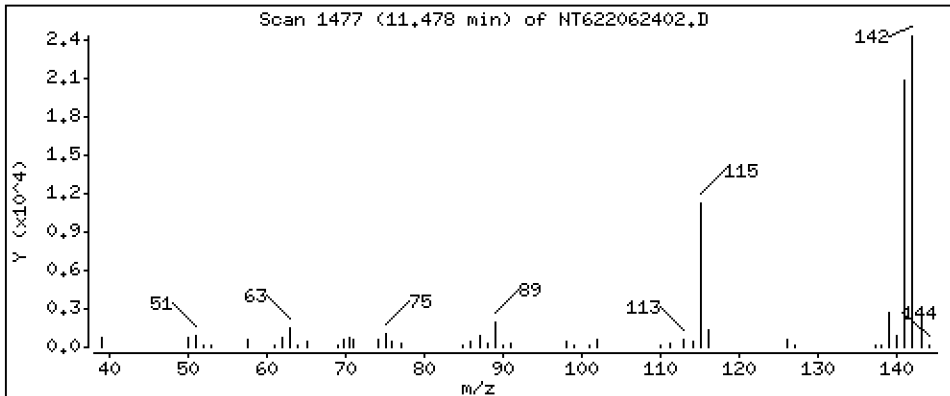
Operator: JZ

Column phase: ZB-5msi

Column diameter: 0.32

32 2-Methylnaphthalene

Concentration: 4.784 ug/mL



Date : 24-JUN-2022 10:59

Client ID:

Instrument: nt6.i

Sample Info: LCV220624

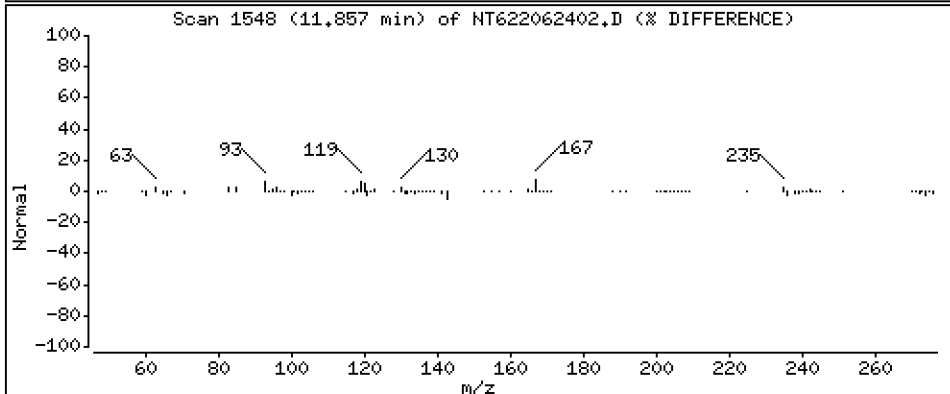
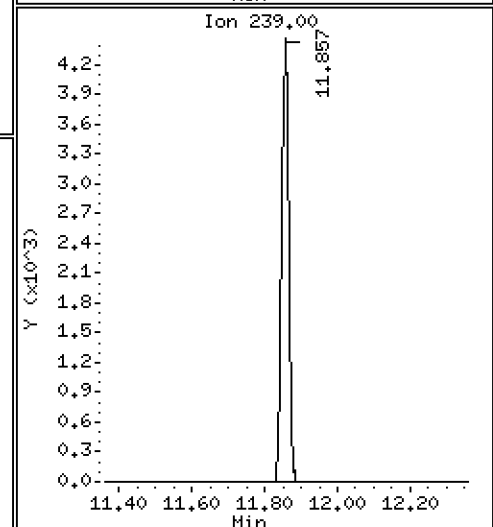
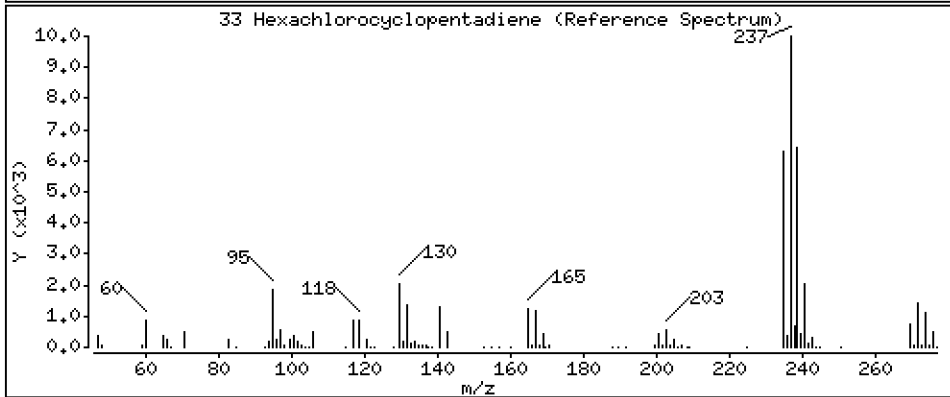
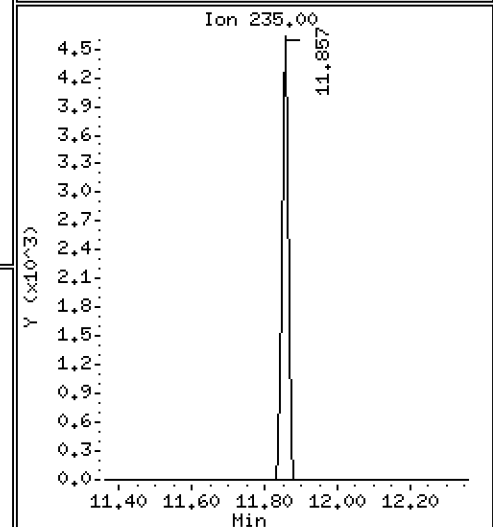
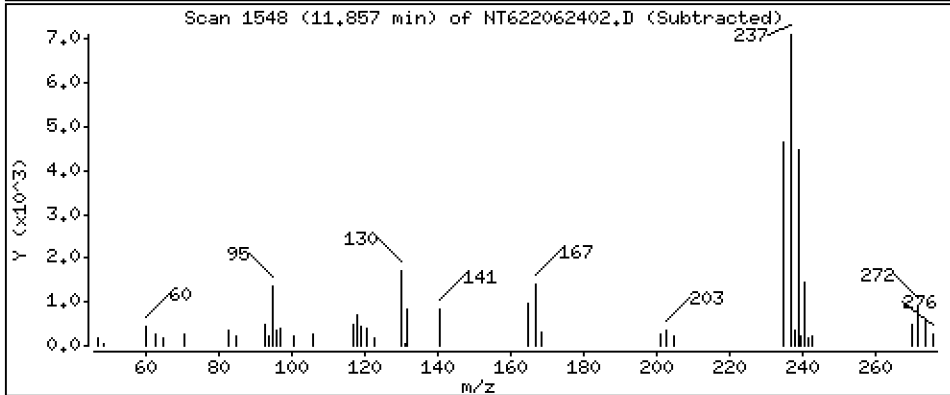
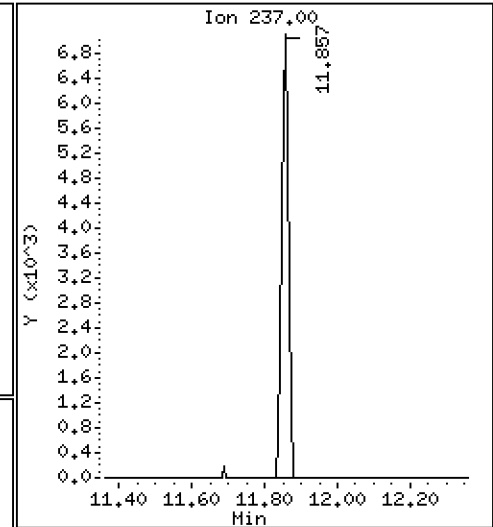
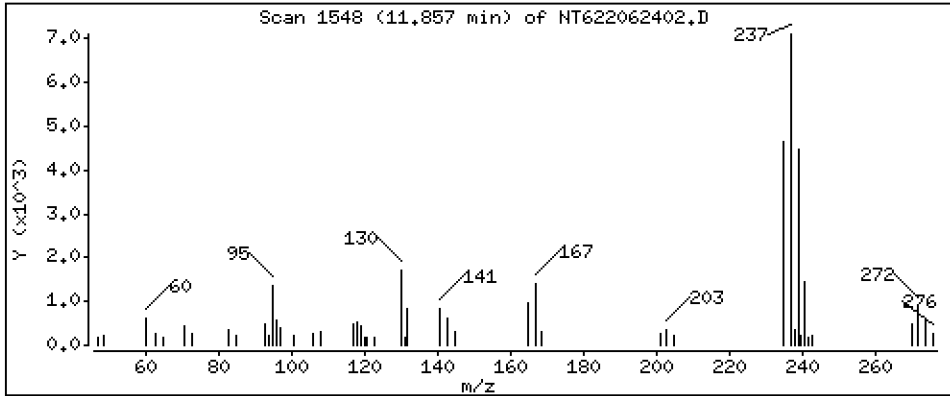
Operator: JZ

Column phase: ZB-5msi

Column diameter: 0.32

33 Hexachlorocyclopentadiene

Concentration: 3,614 ug/mL



Date : 24-JUN-2022 10:59

Client ID:

Instrument: nt6.i

Sample Info: LCV220624

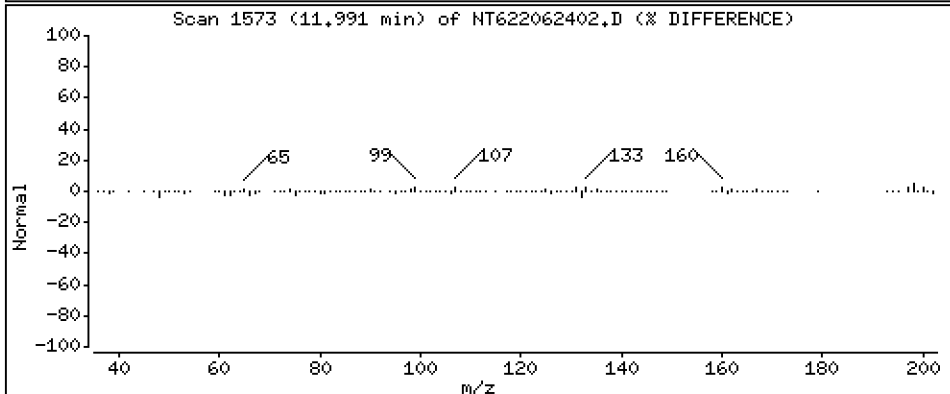
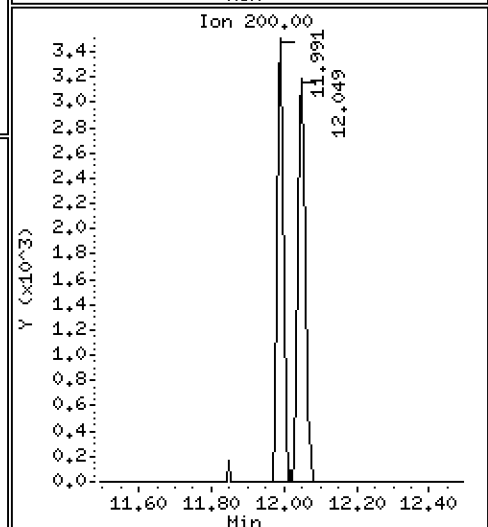
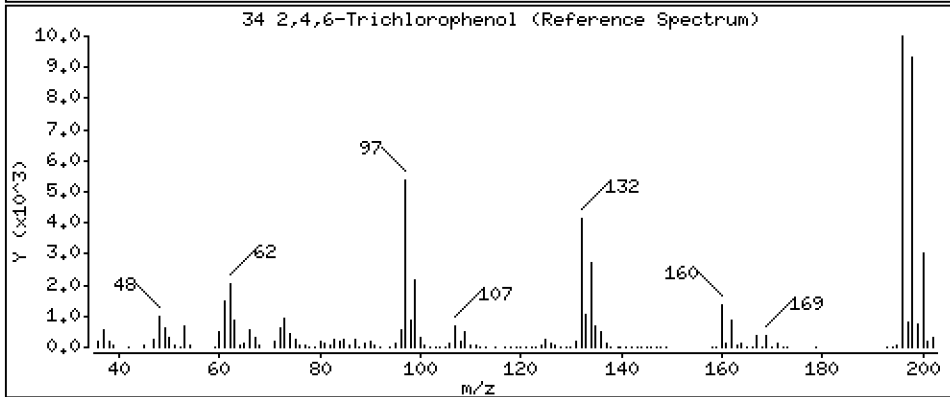
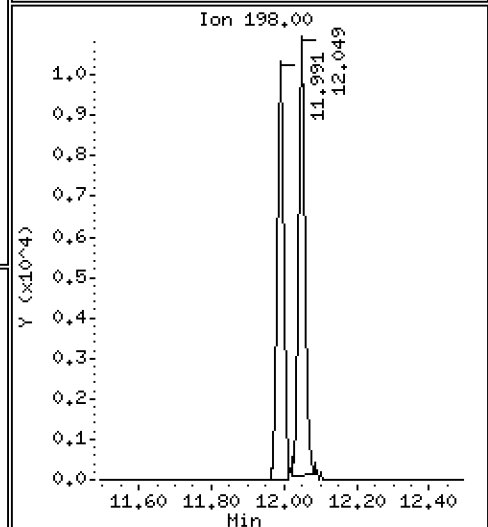
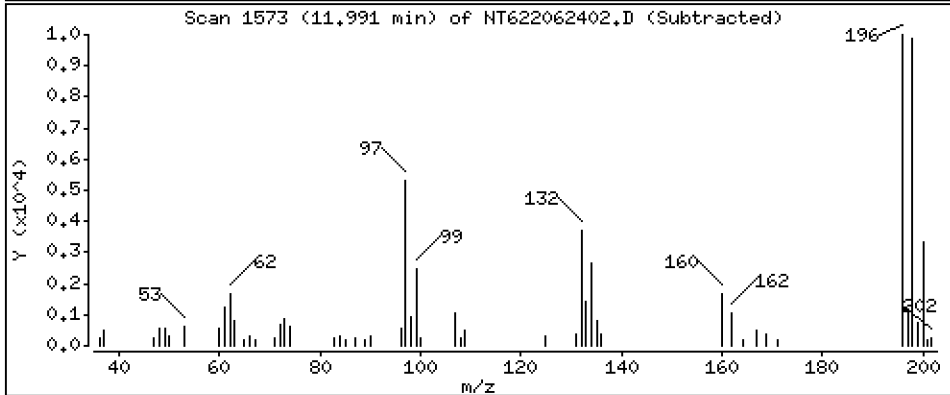
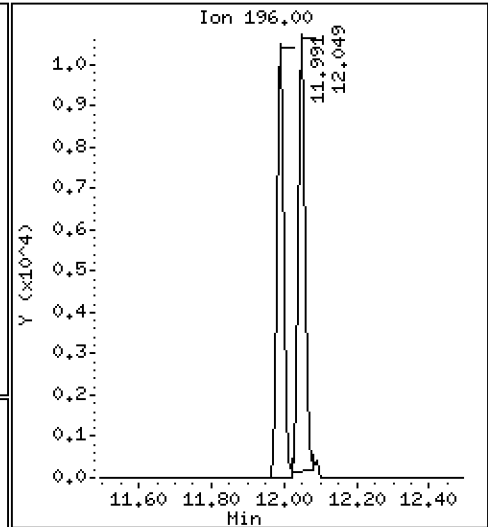
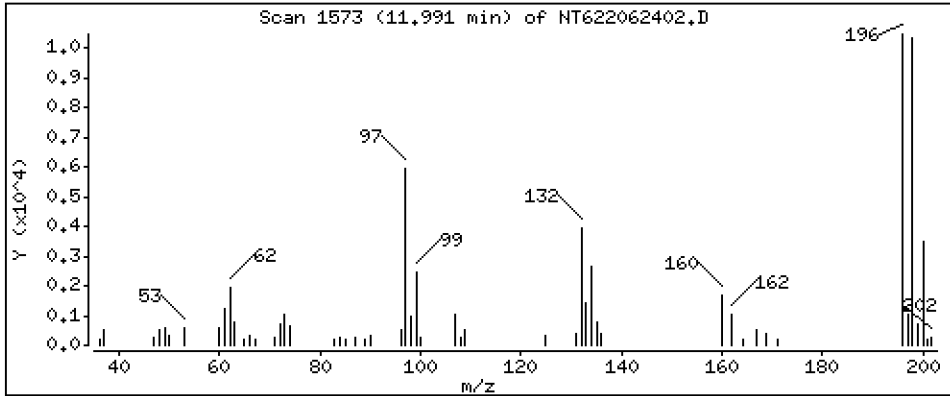
Operator: JZ

Column phase: ZB-5msi

Column diameter: 0.32

34 2,4,6-Trichlorophenol

Concentration: 5.138 ug/mL



Date : 24-JUN-2022 10:59

Client ID:

Instrument: nt6.i

Sample Info: LCV220624

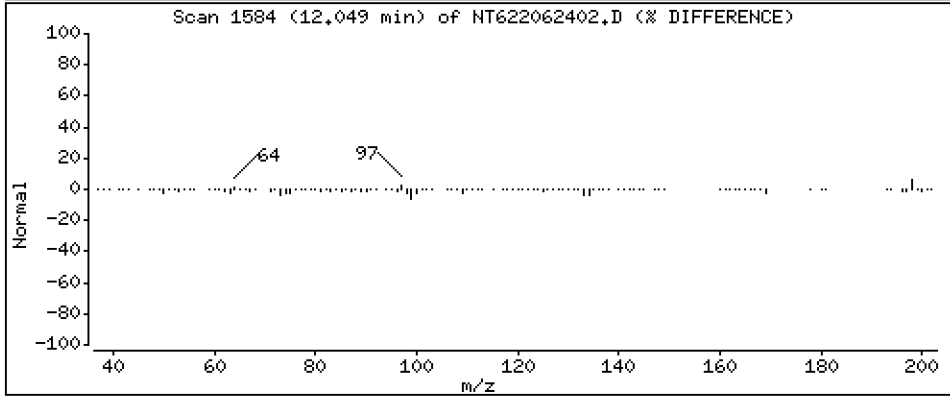
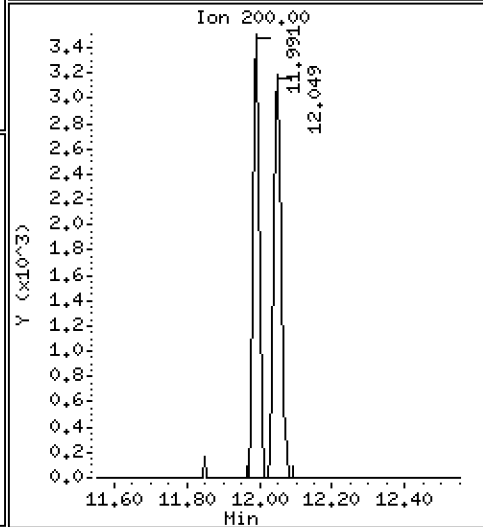
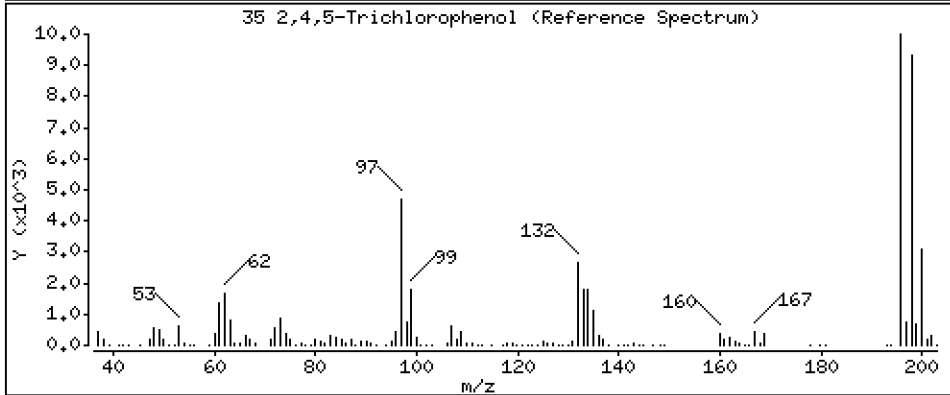
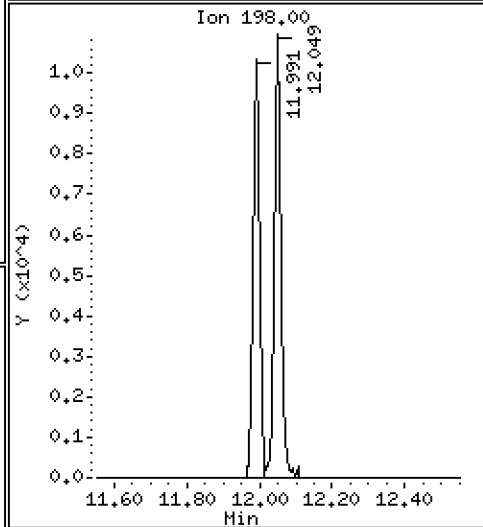
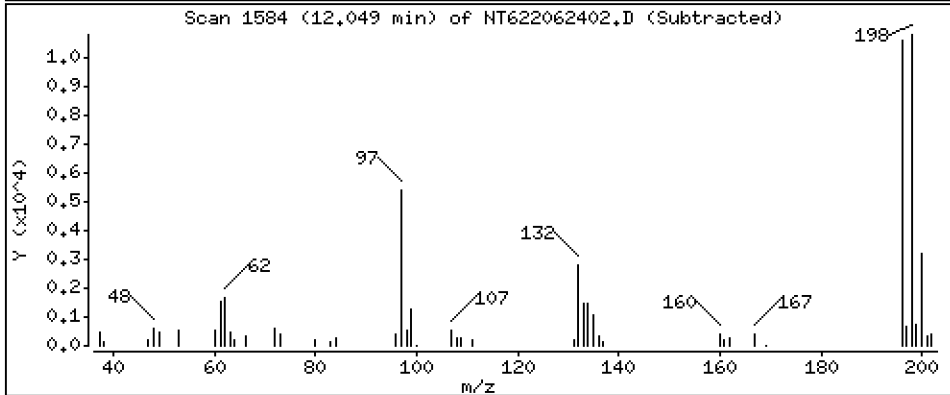
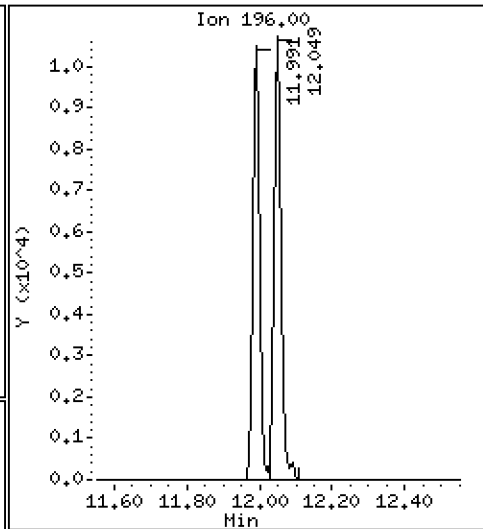
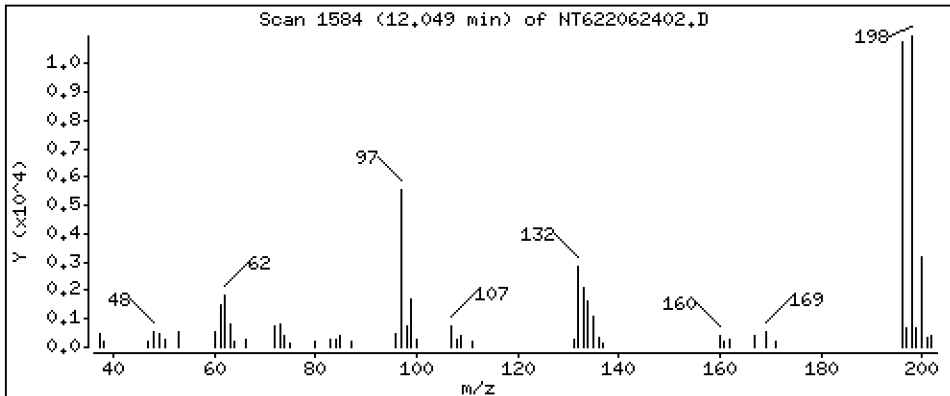
Operator: JZ

Column phase: ZB-5msi

Column diameter: 0.32

35 2,4,5-Trichlorophenol

Concentration: 5,148 ug/mL



Date : 24-JUN-2022 10:59

Client ID:

Instrument: nt6.i

Sample Info: LCV220624

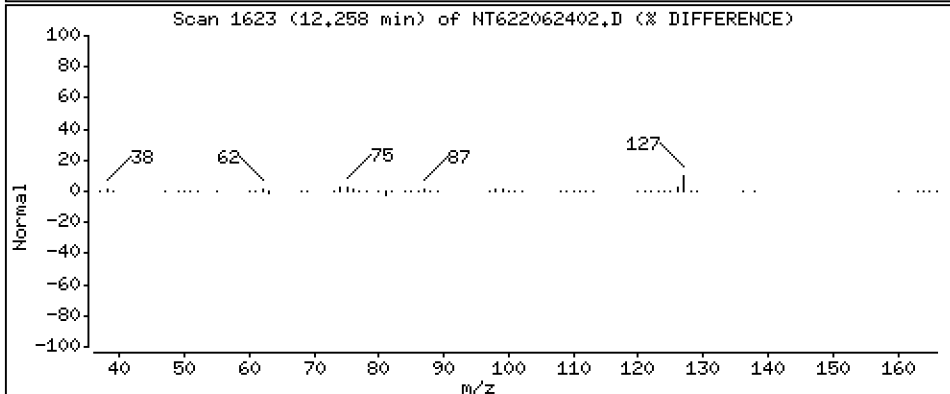
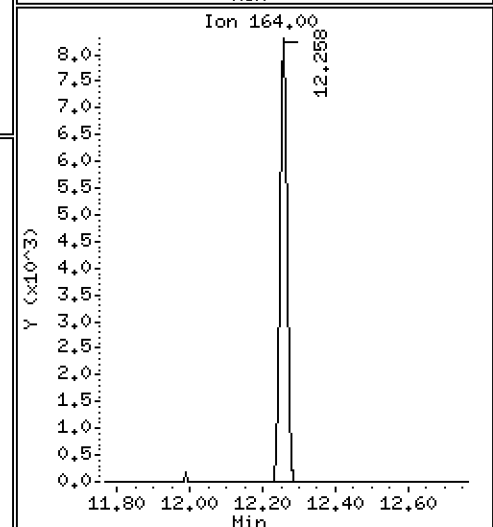
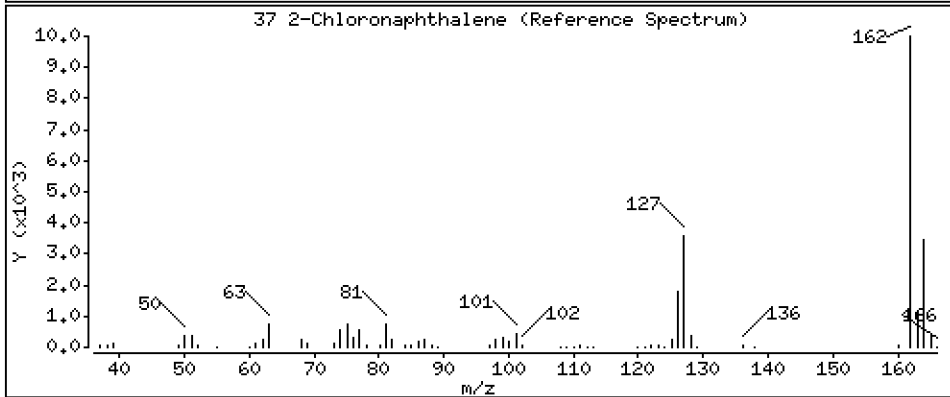
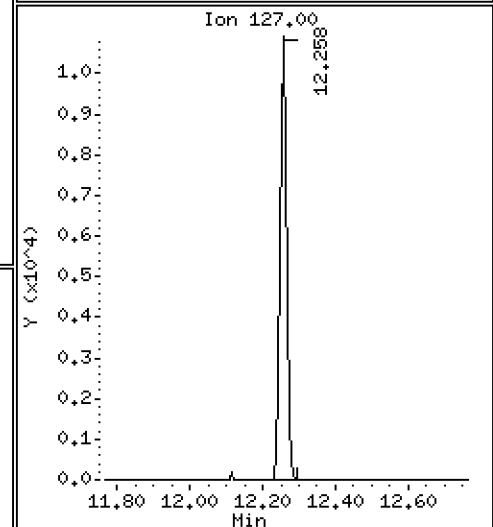
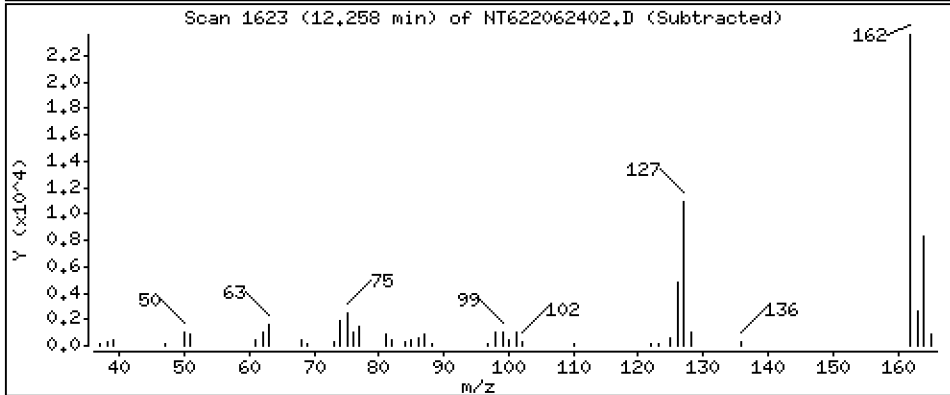
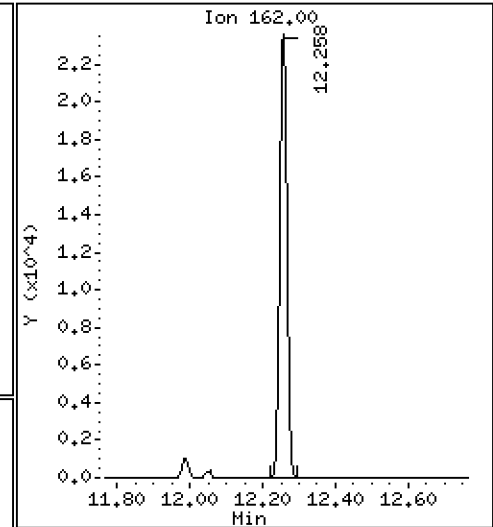
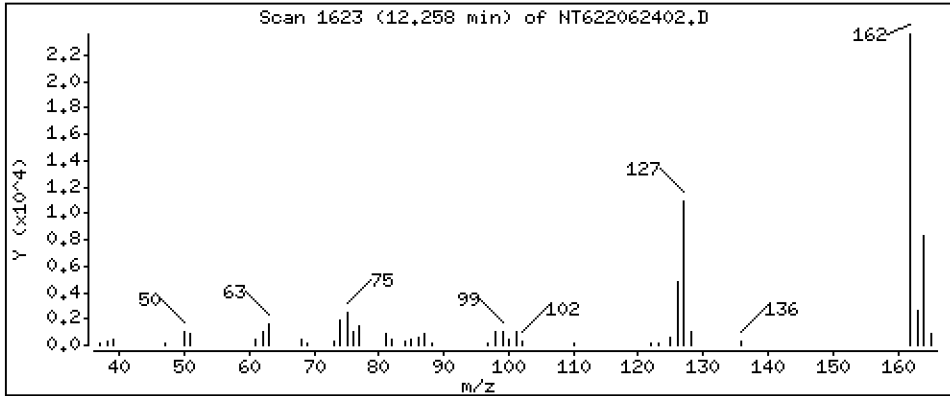
Operator: JZ

Column phase: ZB-5msi

Column diameter: 0.32

37 2-Chloronaphthalene

Concentration: 4.784 ug/mL



Date : 24-JUN-2022 10:59

Client ID:

Instrument: nt6.i

Sample Info: LCV220624

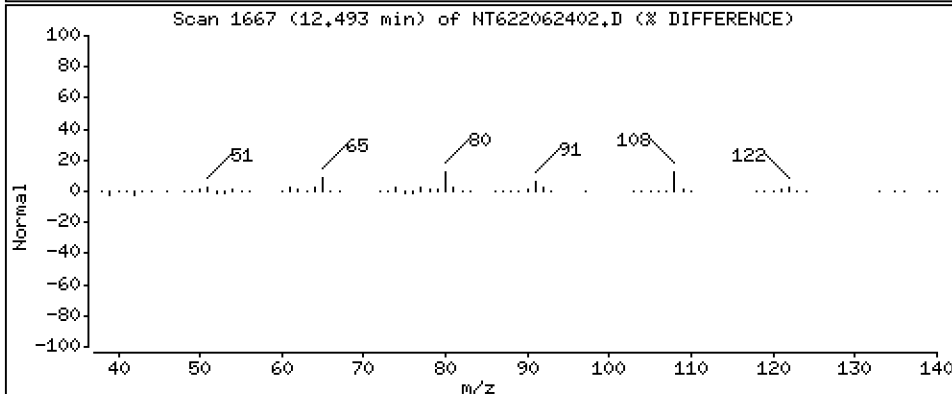
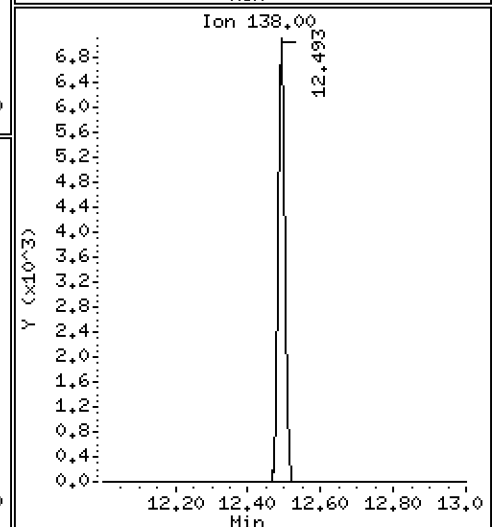
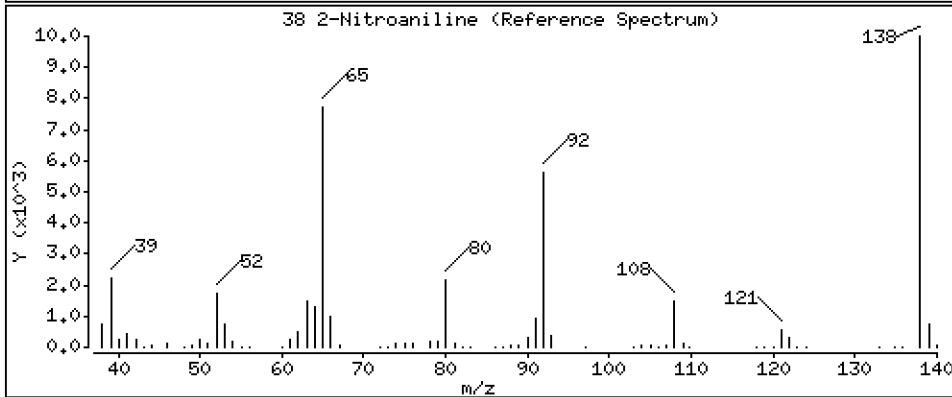
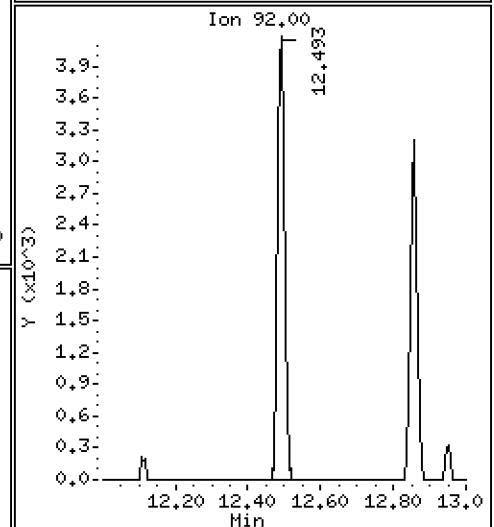
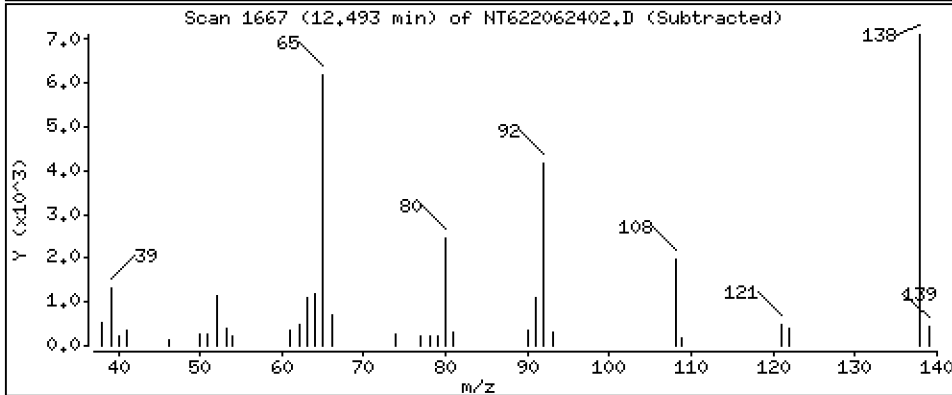
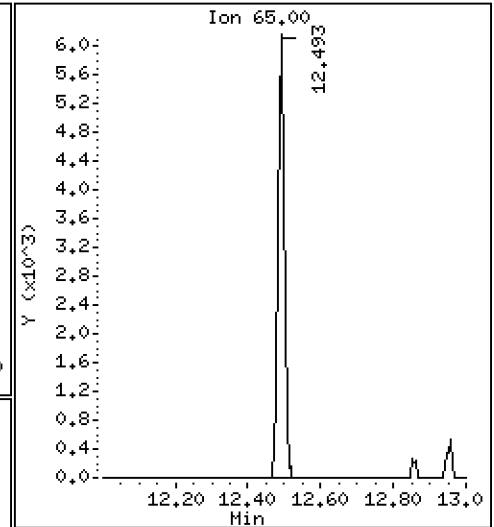
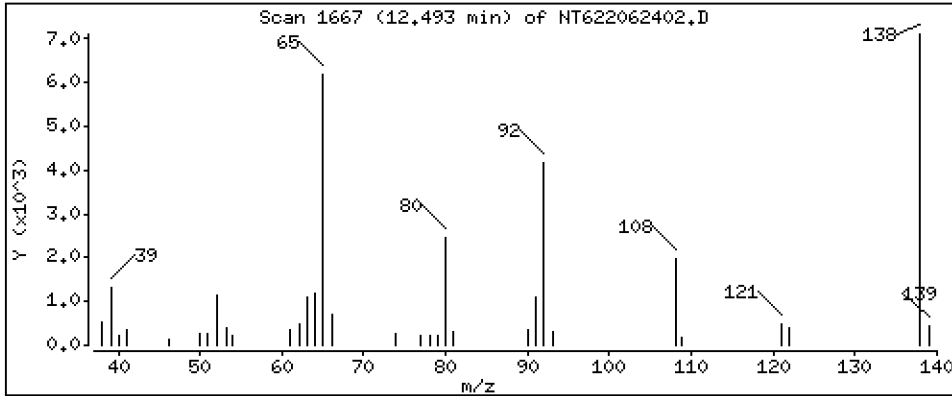
Operator: JZ

Column phase: ZB-5msi

Column diameter: 0.32

38 2-Nitroaniline

Concentration: 4.307 ug/mL



Date : 24-JUN-2022 10:59

Client ID:

Instrument: nt6.i

Sample Info: LCV220624

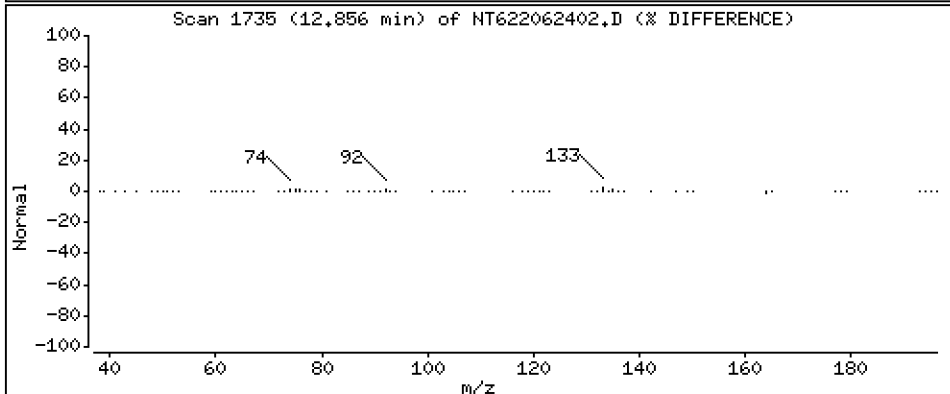
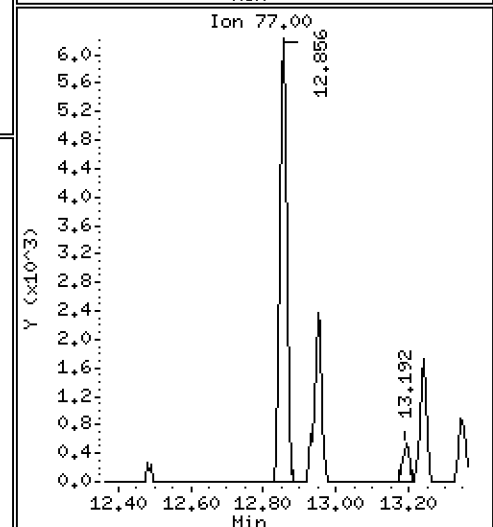
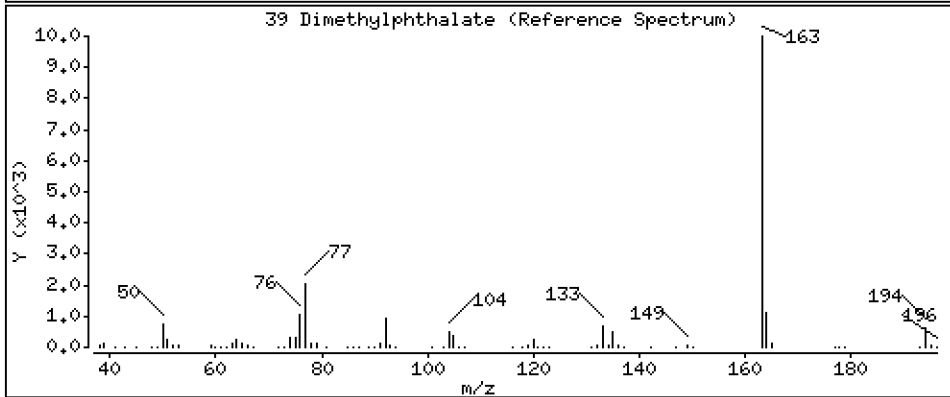
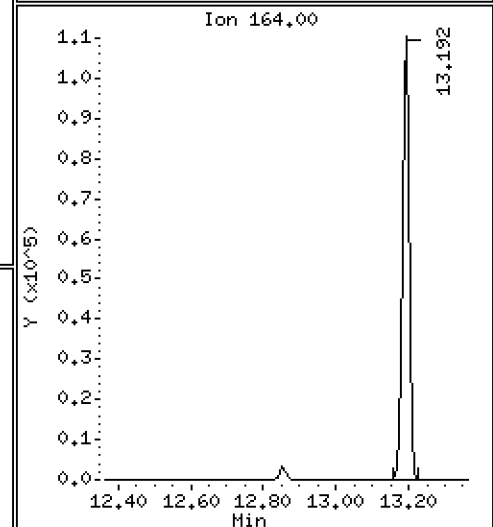
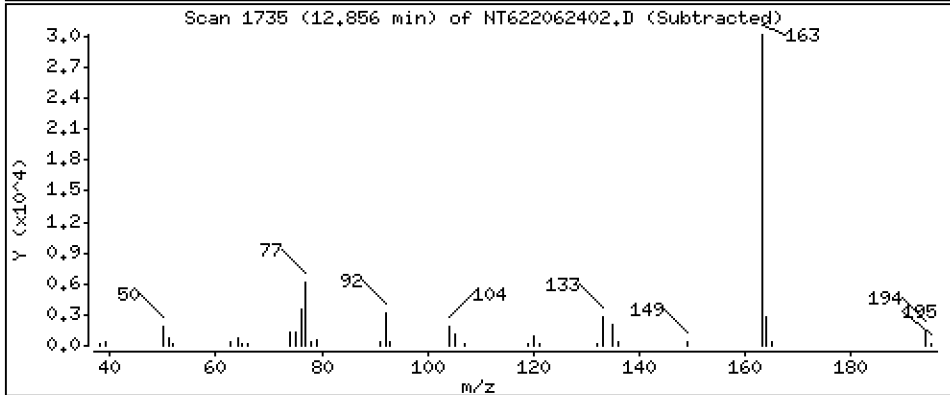
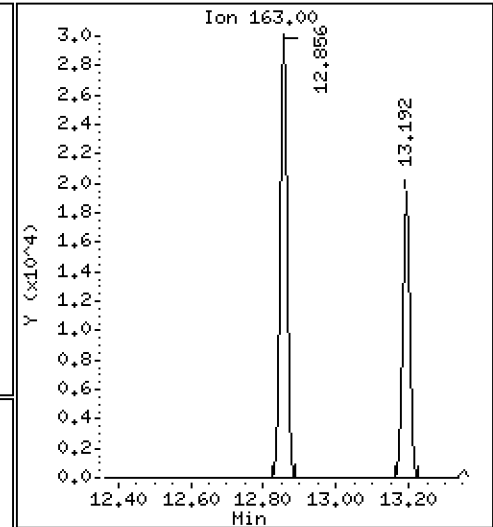
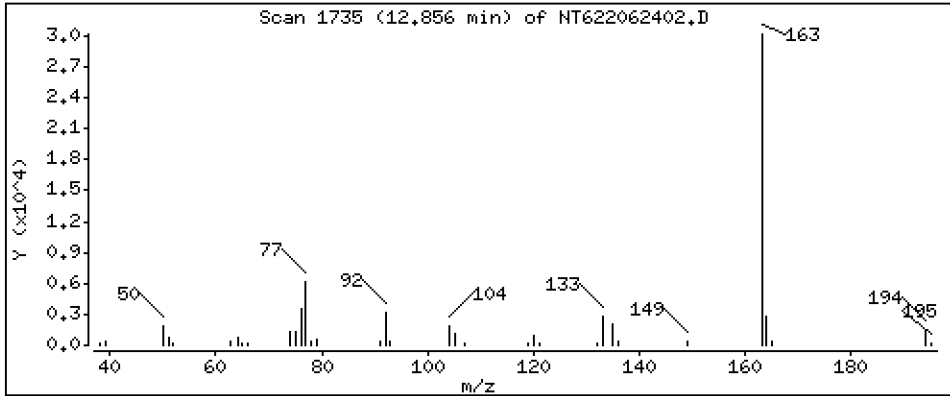
Operator: JZ

Column phase: ZB-5msi

Column diameter: 0.32

39 Dimethylphthalate

Concentration: 5,304 ug/mL



Date : 24-JUN-2022 10:59

Client ID:

Instrument: nt6.i

Sample Info: LCV220624

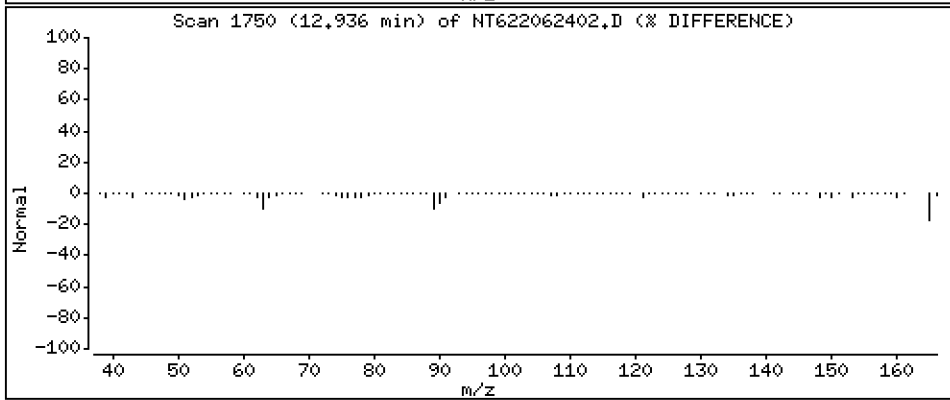
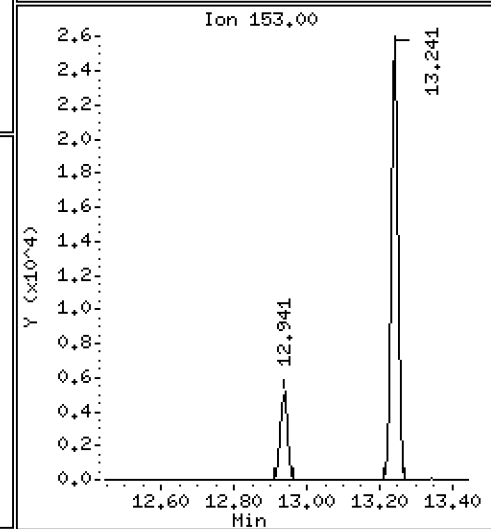
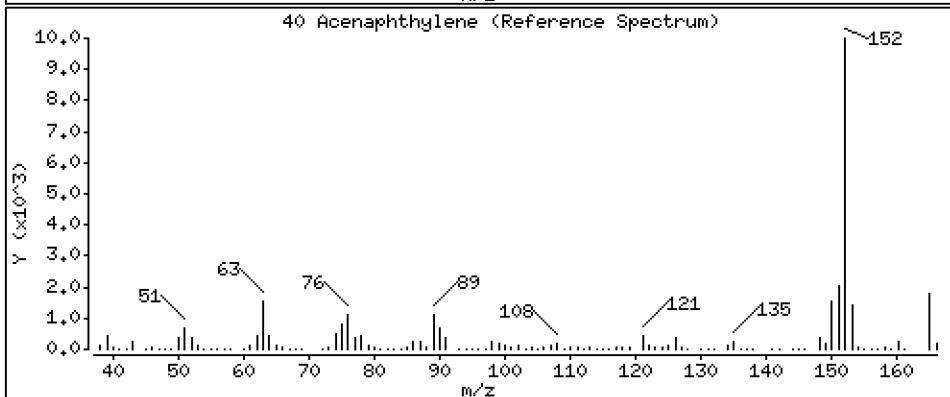
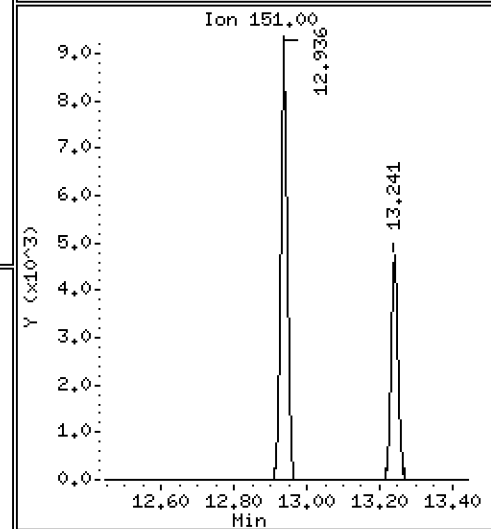
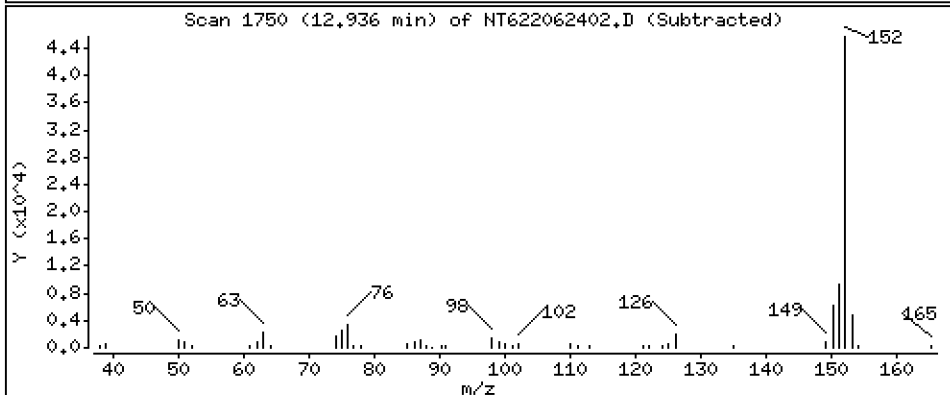
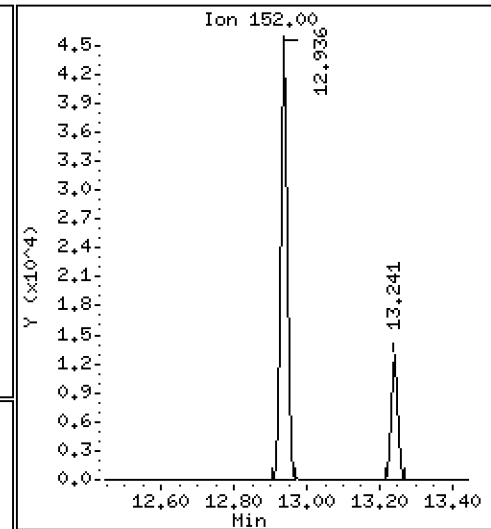
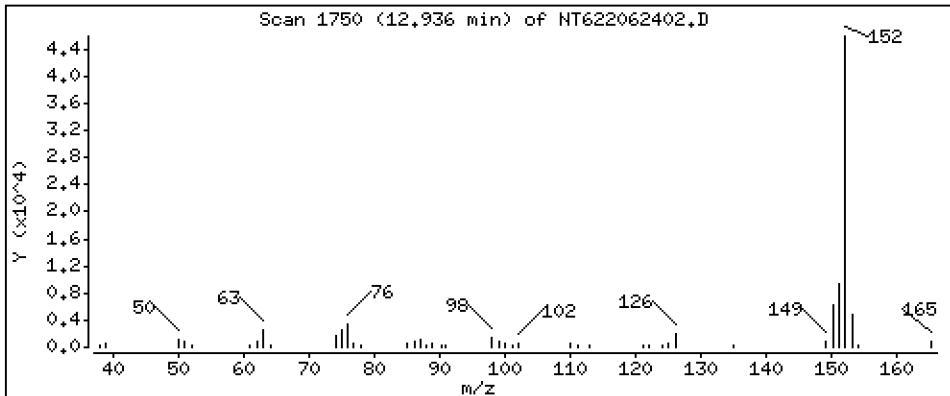
Operator: JZ

Column phase: ZB-5msi

Column diameter: 0.32

40 Acenaphthylene

Concentration: 5.037 ug/mL



Date : 24-JUN-2022 10:59

Client ID:

Instrument: nt6.i

Sample Info: LCV220624

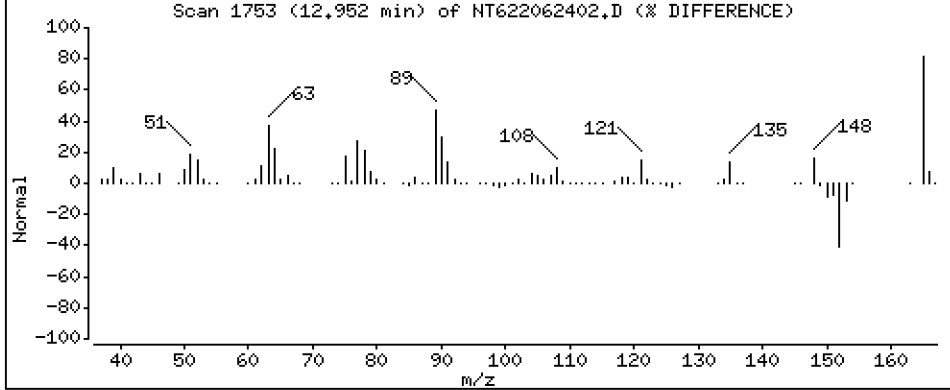
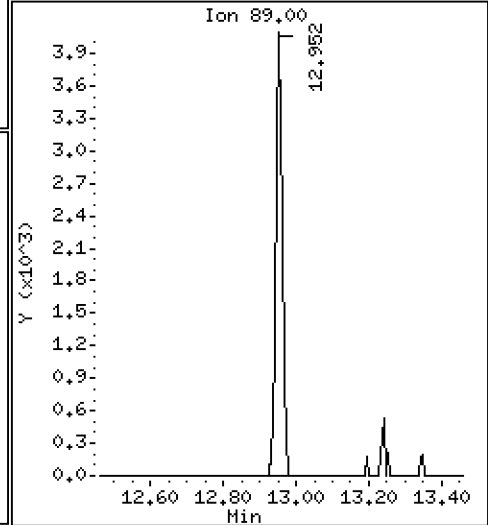
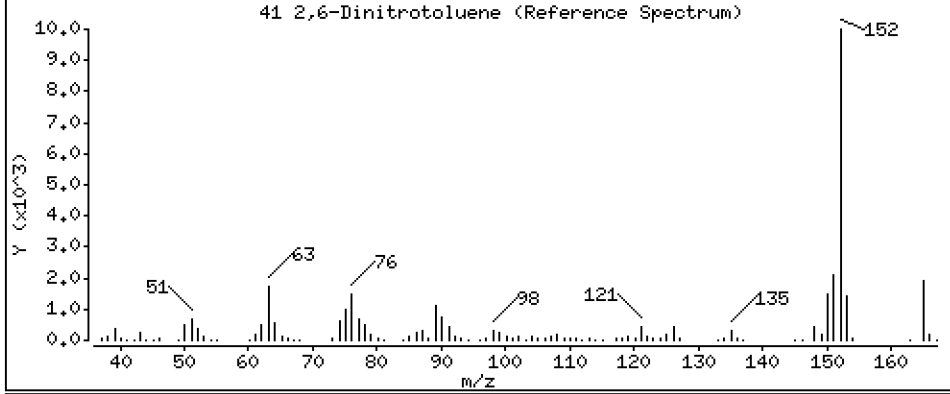
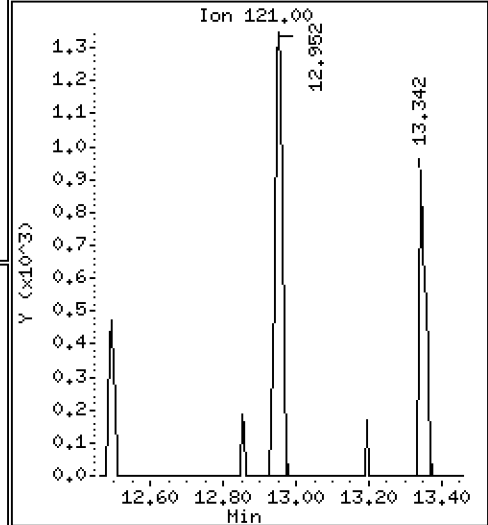
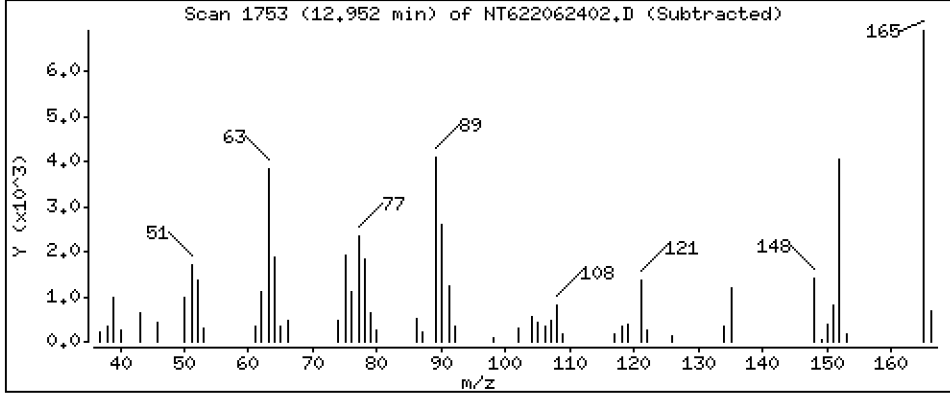
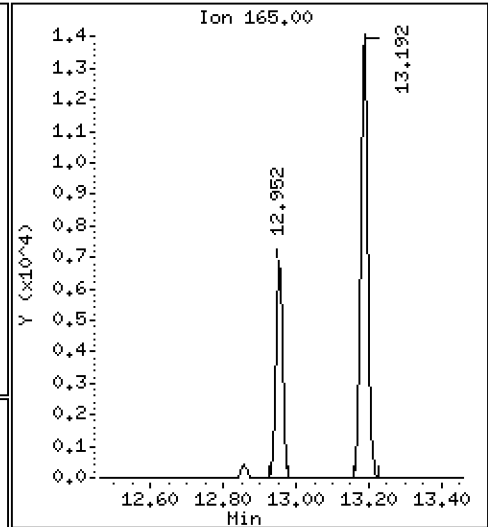
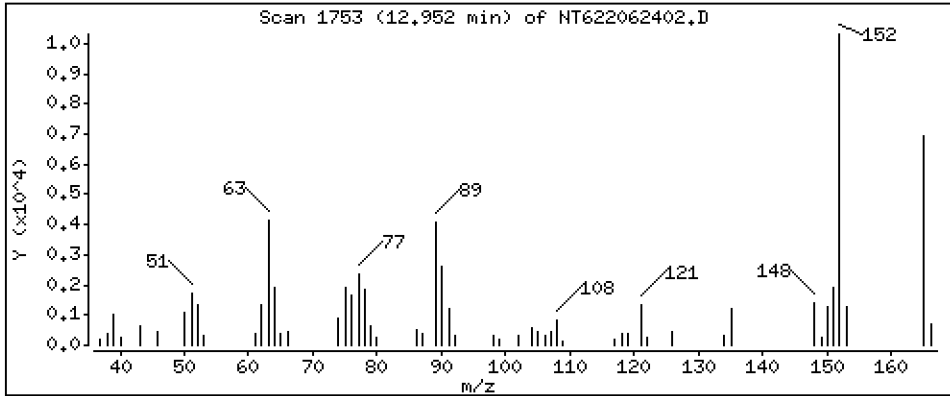
Operator: JZ

Column phase: ZB-5msi

Column diameter: 0.32

41 2,6-Dinitrotoluene

Concentration: 5.239 ug/mL



Date : 24-JUN-2022 10:59

Client ID:

Instrument: nt6.i

Sample Info: LCV220624

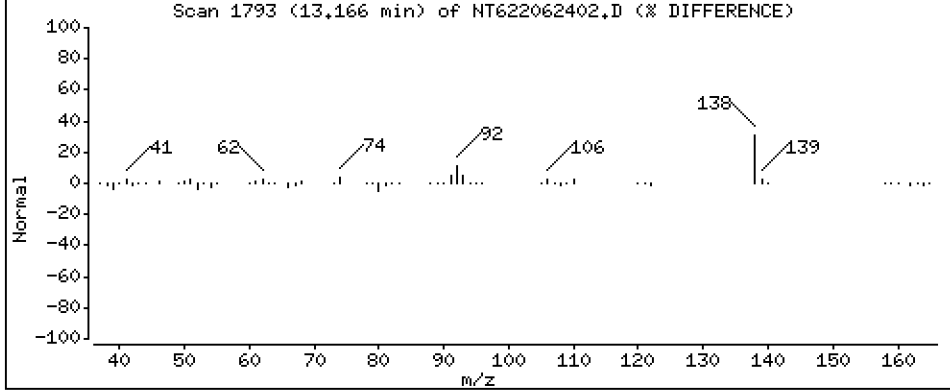
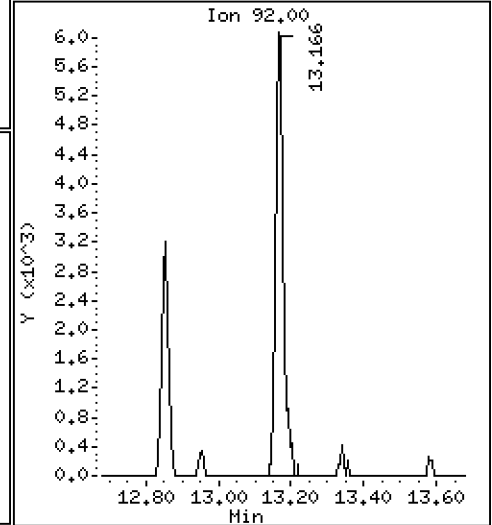
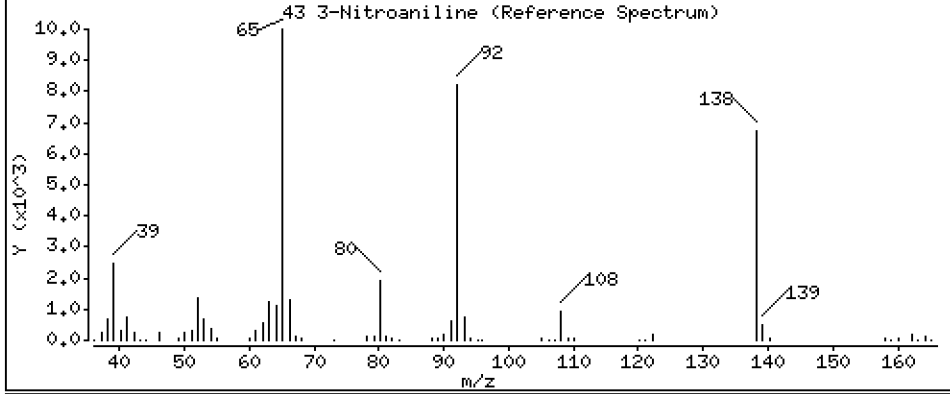
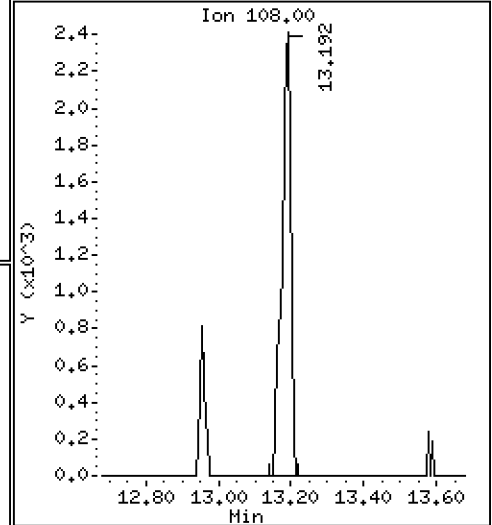
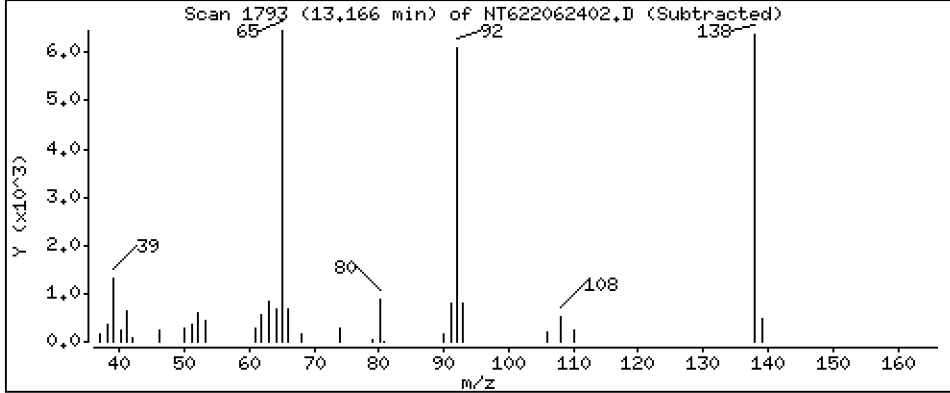
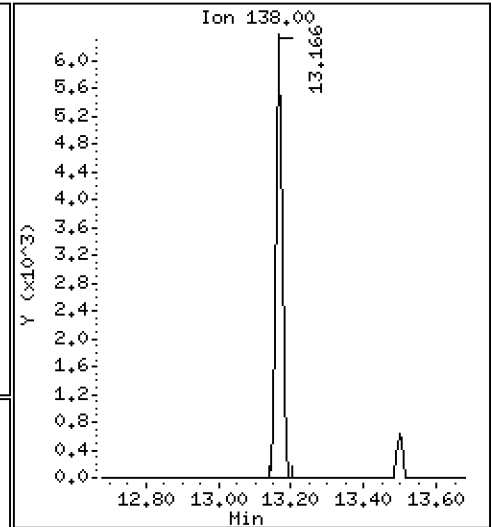
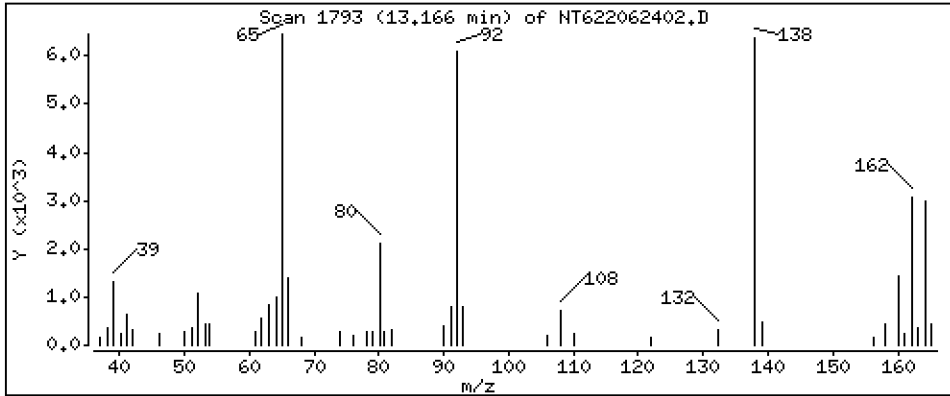
Operator: JZ

Column phase: ZB-5msi

Column diameter: 0.32

43 3-Nitroaniline

Concentration: 4.579 ug/mL



Date : 24-JUN-2022 10:59

Client ID:

Instrument: nt6.i

Sample Info: LCV220624

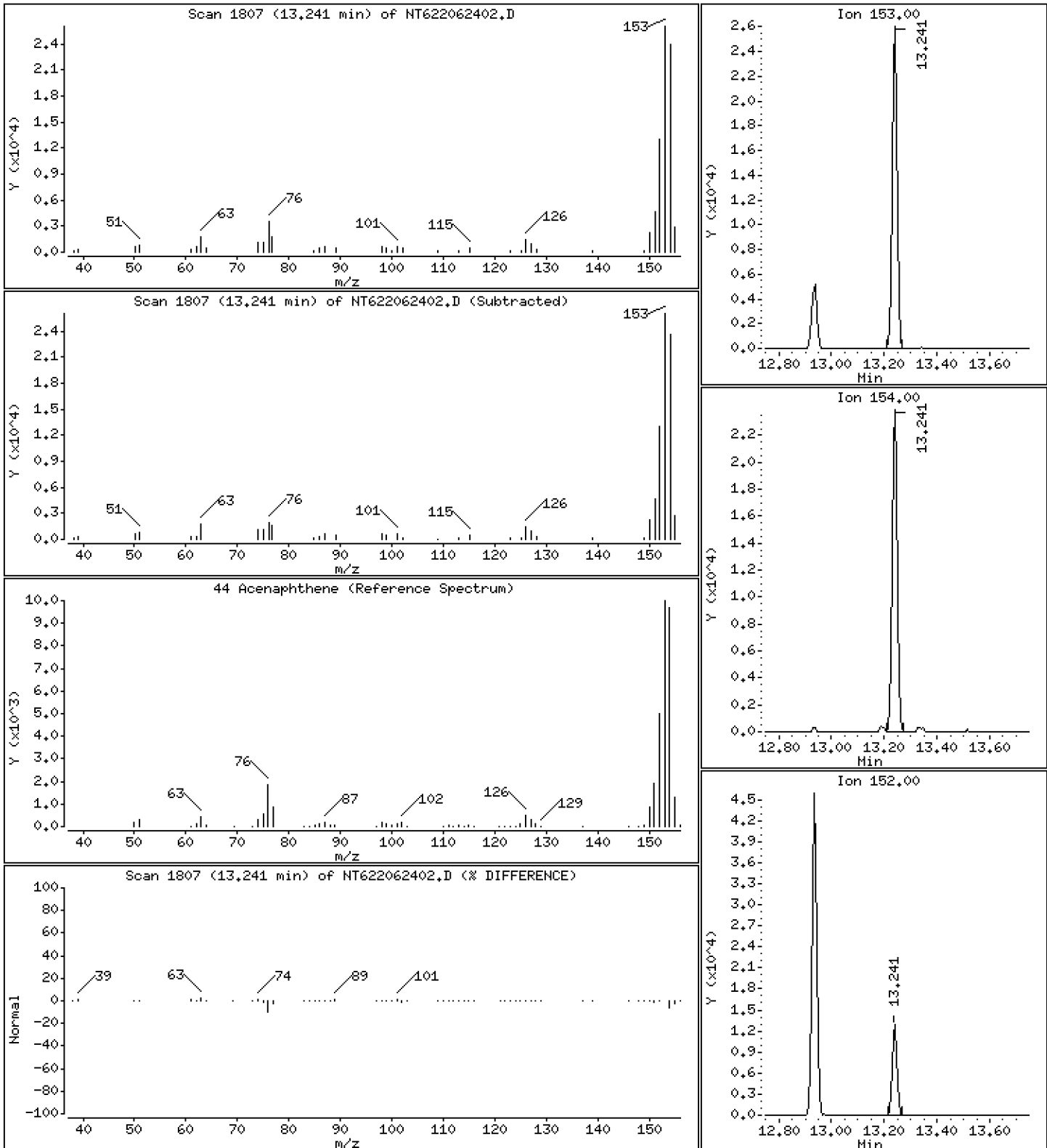
Operator: JZ

Column phase: ZB-5msi

Column diameter: 0.32

44 Acenaphthene

Concentration: 4.955 ug/mL



Date : 24-JUN-2022 10:59

Client ID:

Instrument: nt6.i

Sample Info: LCV220624

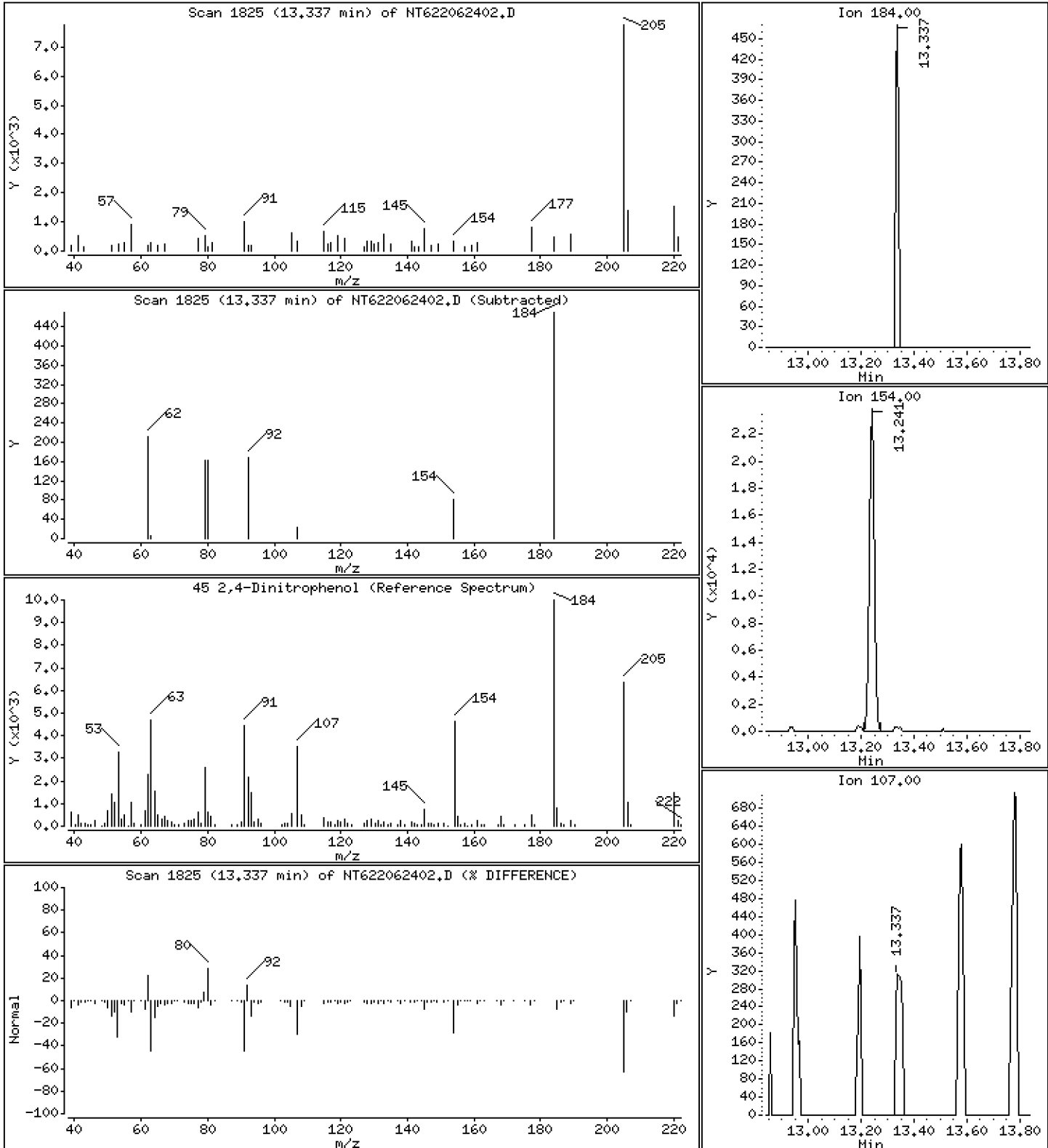
Operator: JZ

Column phase: ZB-5msi

Column diameter: 0.32

45 2,4-Dinitrophenol

Concentration: 0.3741 ug/mL



Date : 24-JUN-2022 10:59

Client ID:

Instrument: nt6.i

Sample Info: LCV220624

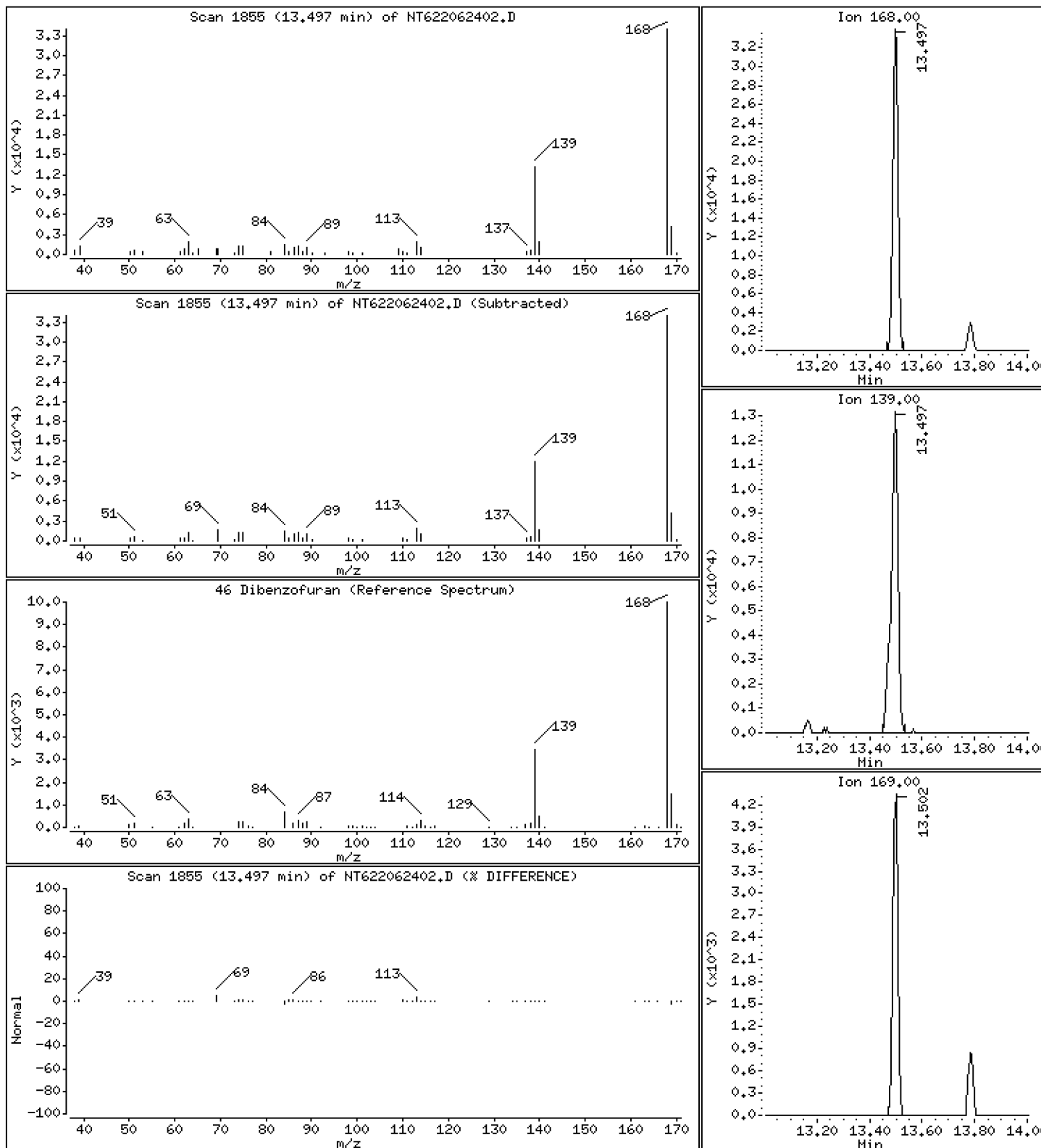
Operator: JZ

Column phase: ZB-5msi

Column diameter: 0.32

46 Dibenzofuran

Concentration: 4.812 ug/mL



Date : 24-JUN-2022 10:59

Client ID:

Instrument: nt6.i

Sample Info: LCV220624

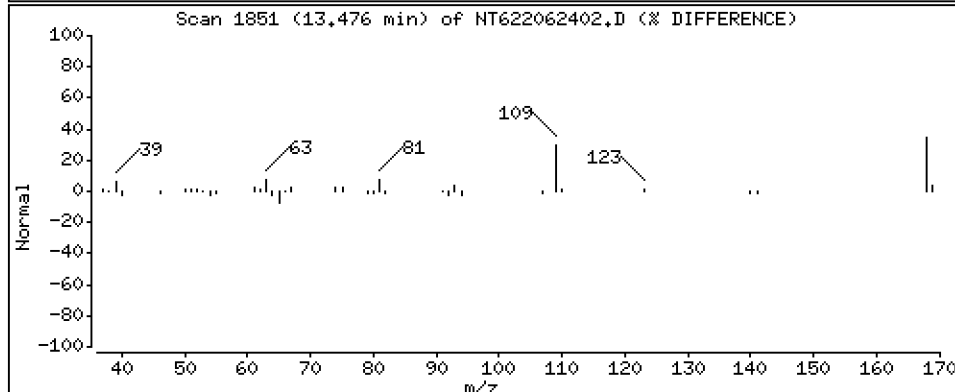
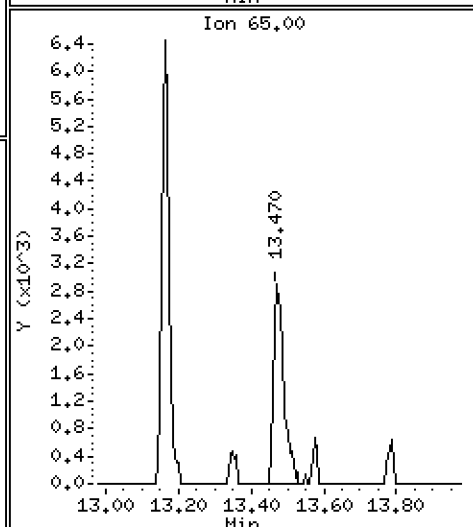
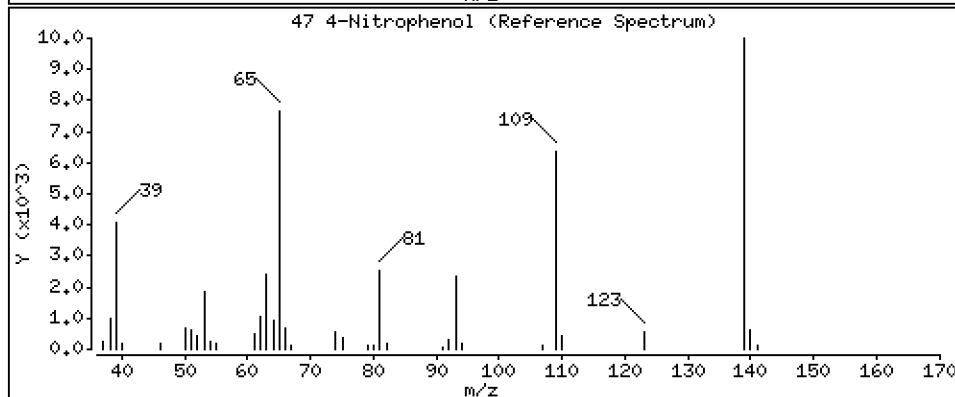
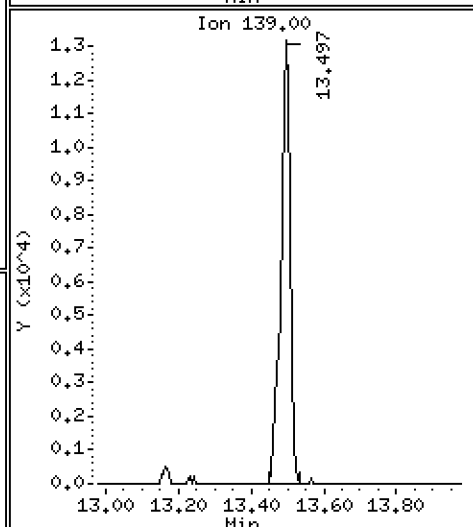
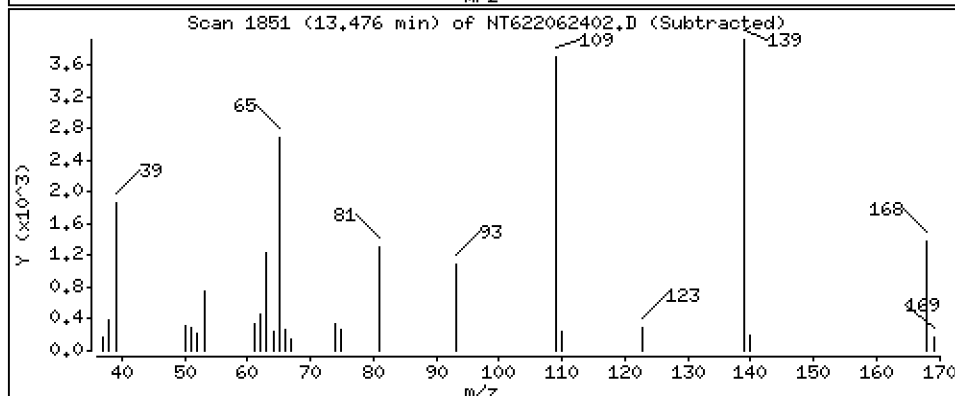
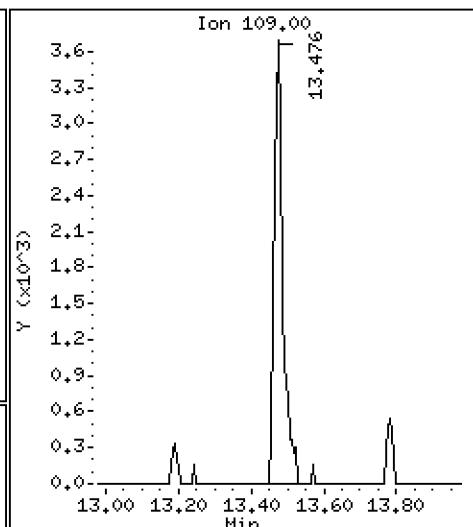
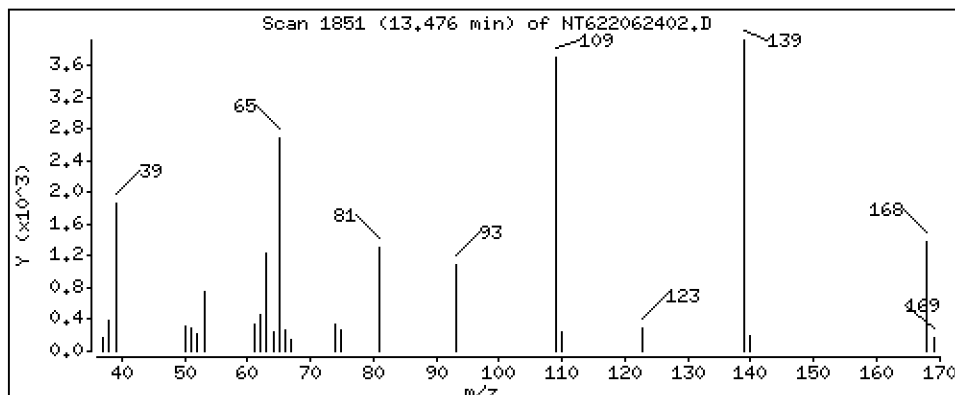
Operator: JZ

Column phase: ZB-5msi

Column diameter: 0.32

47 4-Nitrophenol

Concentration: 5.145 ug/mL



Date : 24-JUN-2022 10:59

Client ID:

Instrument: nt6.i

Sample Info: LCV220624

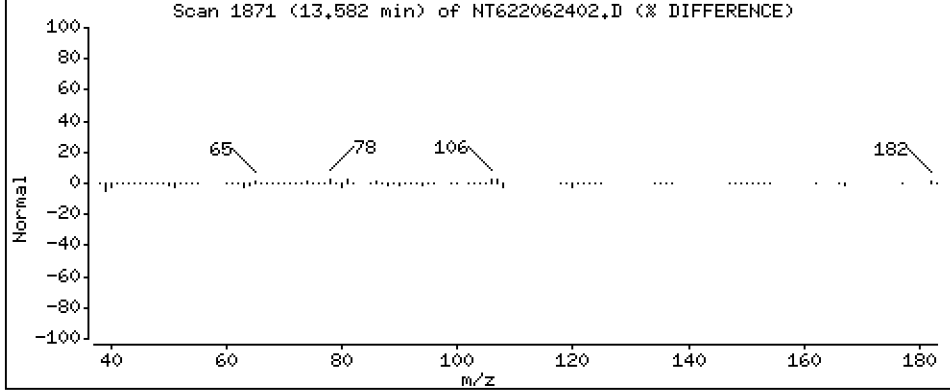
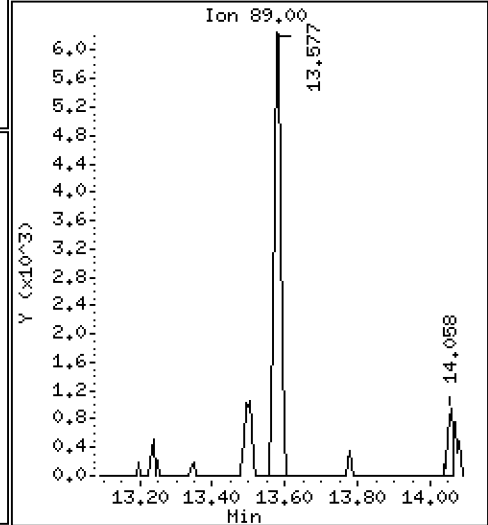
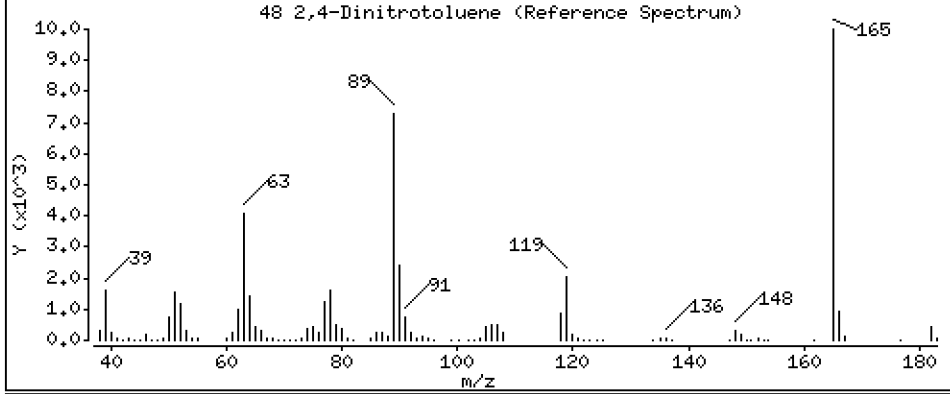
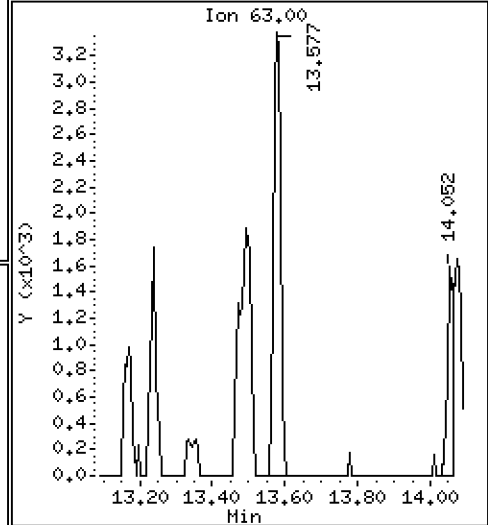
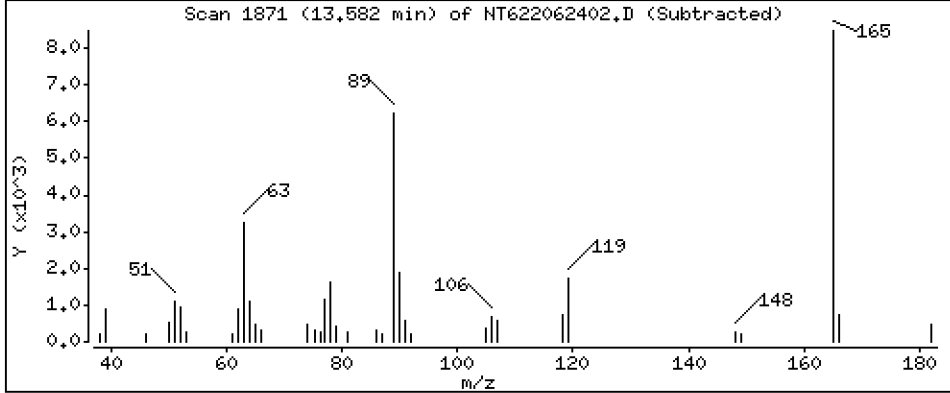
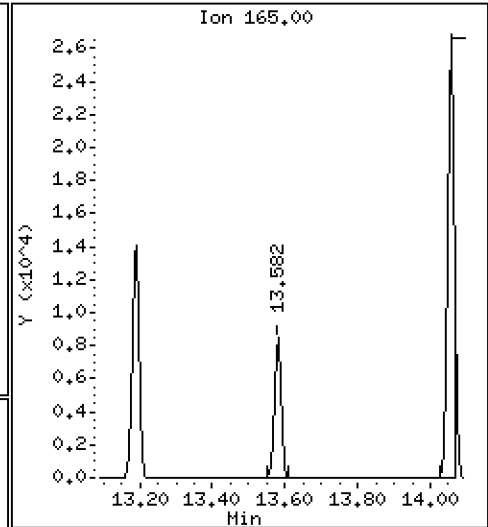
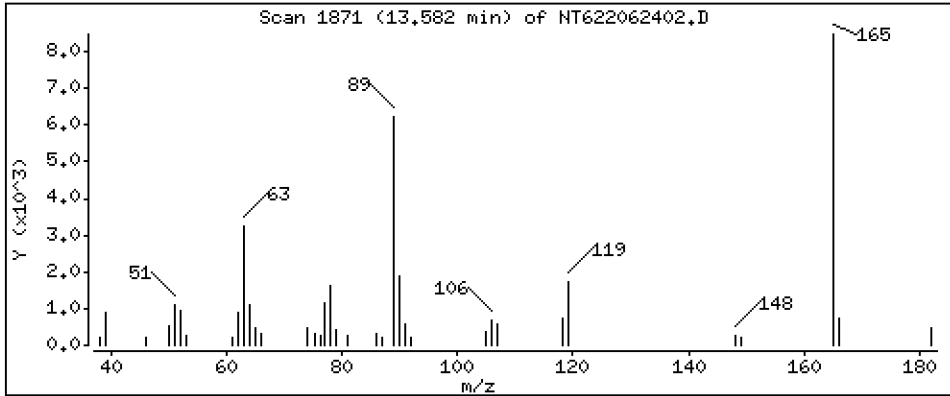
Operator: JZ

Column phase: ZB-5msi

Column diameter: 0.32

48 2,4-Dinitrotoluene

Concentration: 4.912 ug/mL



Date : 24-JUN-2022 10:59

Client ID:

Instrument: nt6.i

Sample Info: LCV220624

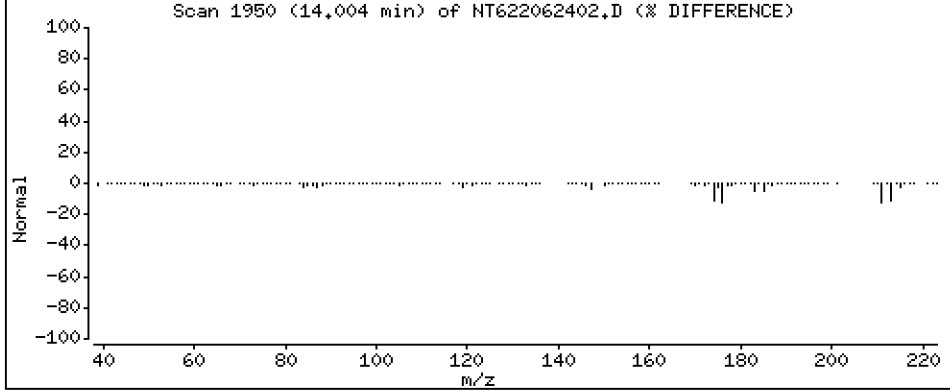
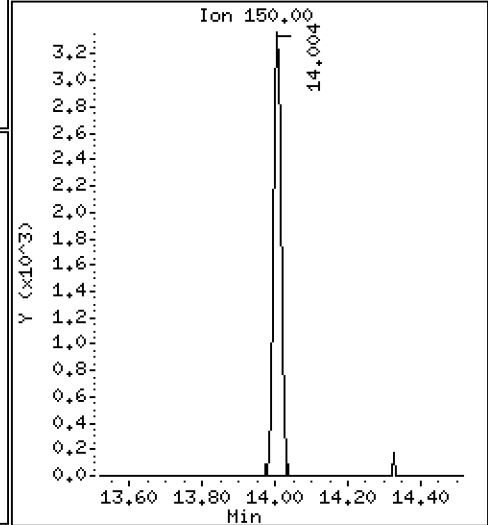
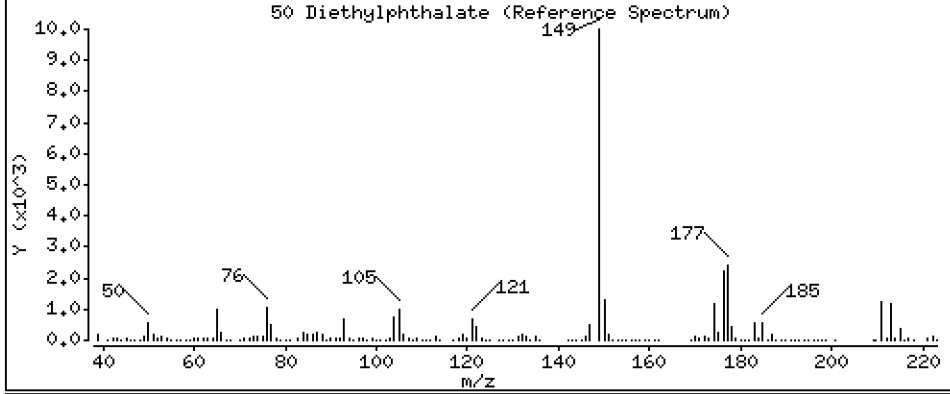
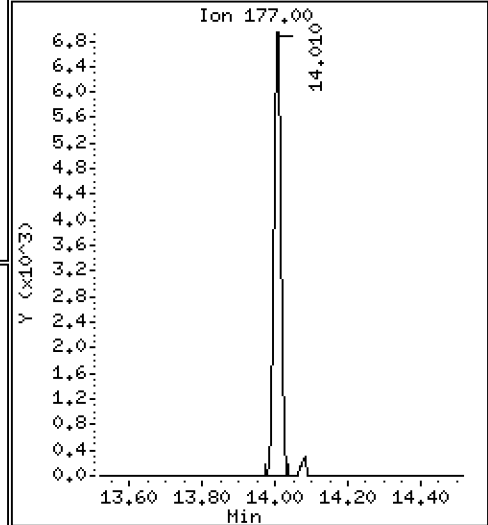
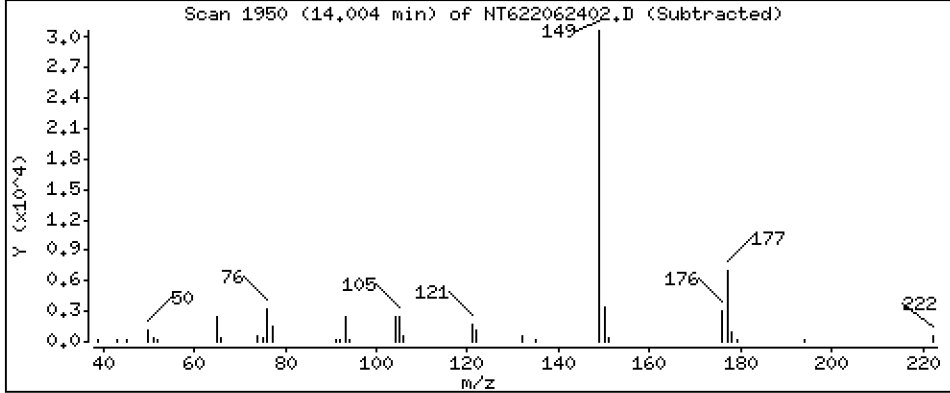
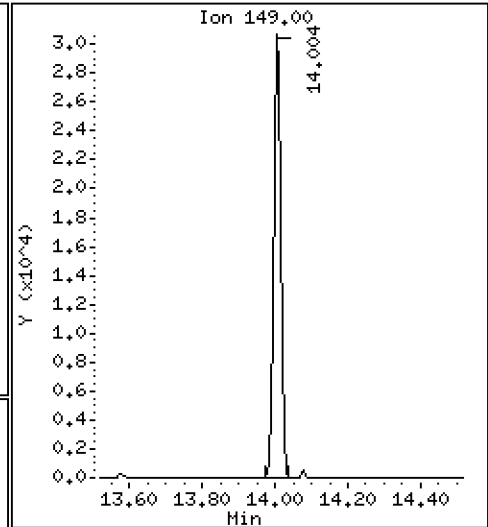
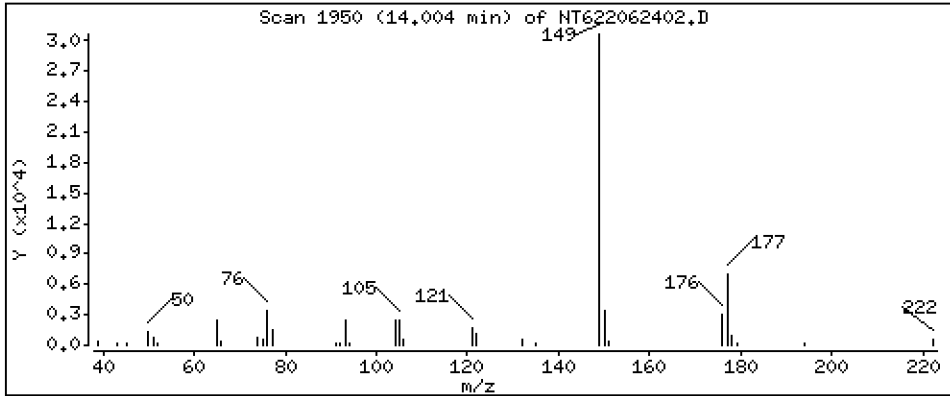
Operator: JZ

Column phase: ZB-5msi

Column diameter: 0.32

50 Diethylphthalate

Concentration: 5.636 ug/mL



Date : 24-JUN-2022 10:59

Client ID:

Instrument: nt6.i

Sample Info: LCV220624

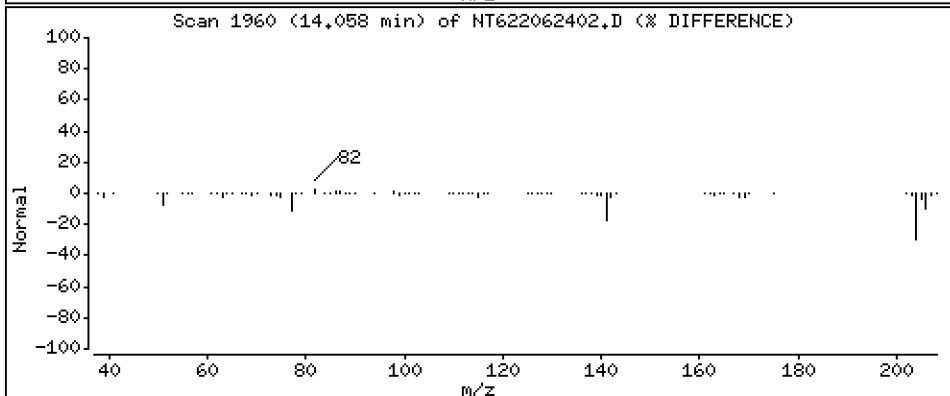
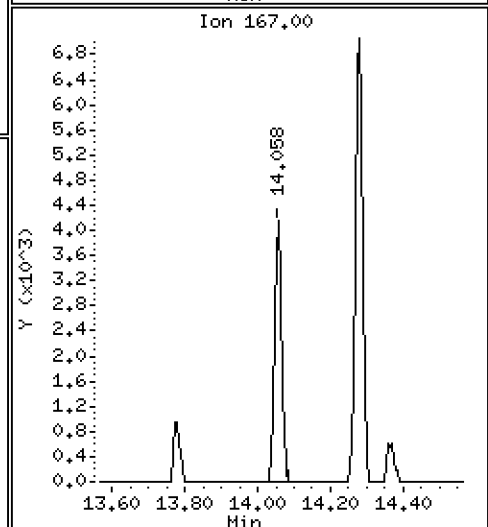
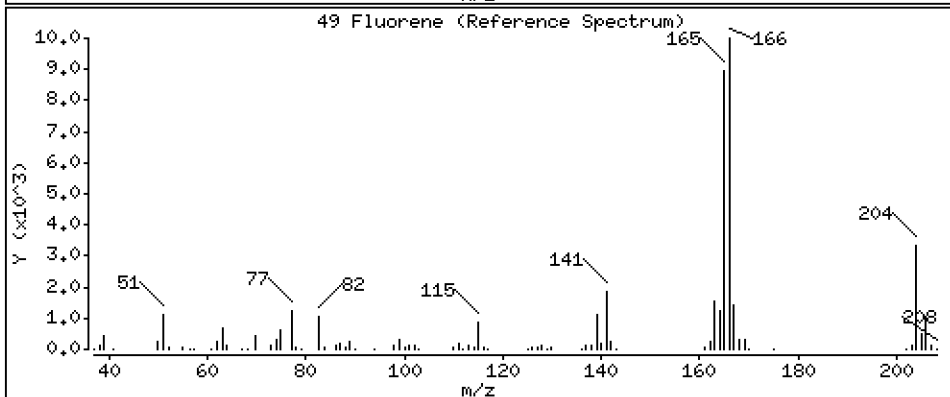
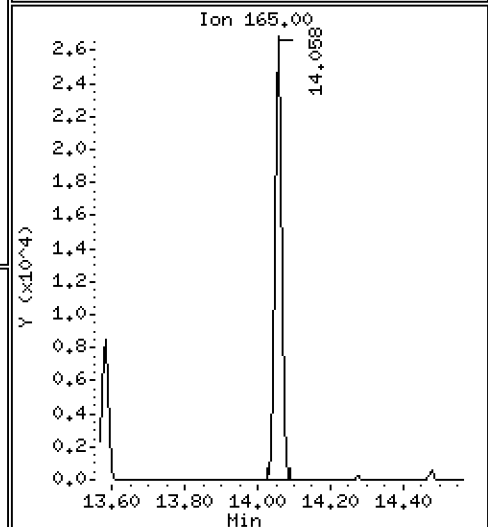
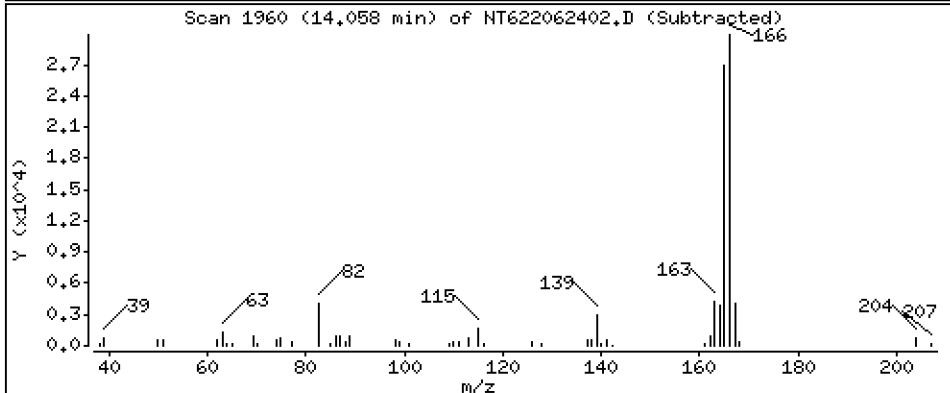
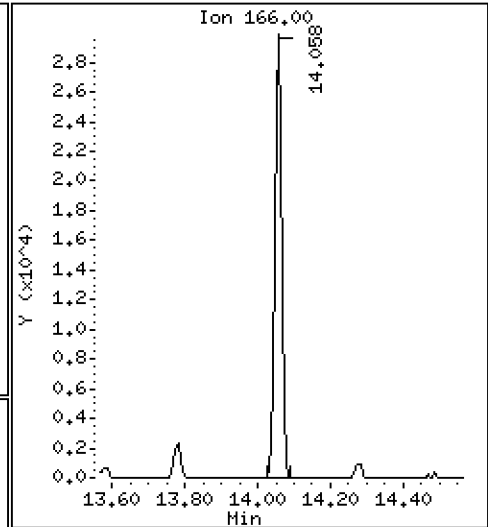
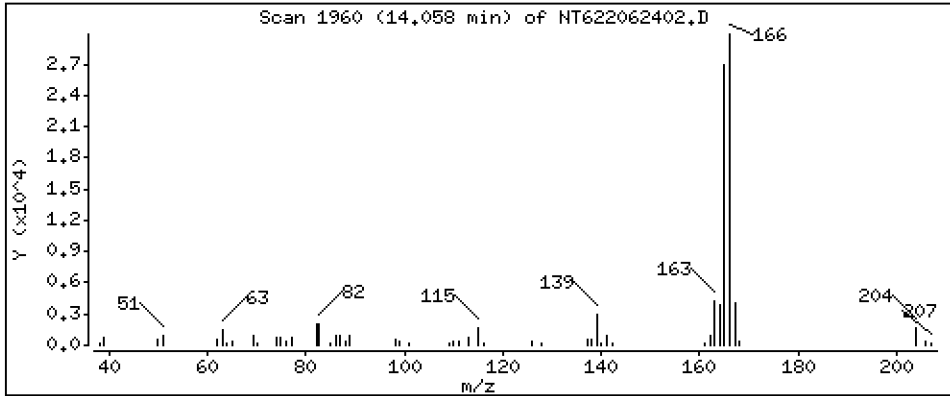
Operator: JZ

Column phase: ZB-5msi

Column diameter: 0.32

49 Fluorene

Concentration: 5.049 ug/mL



Date : 24-JUN-2022 10:59

Client ID:

Instrument: nt6.i

Sample Info: LCV220624

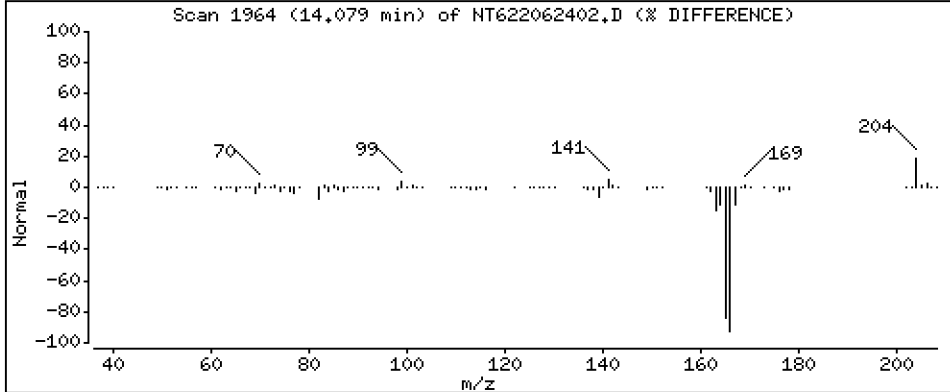
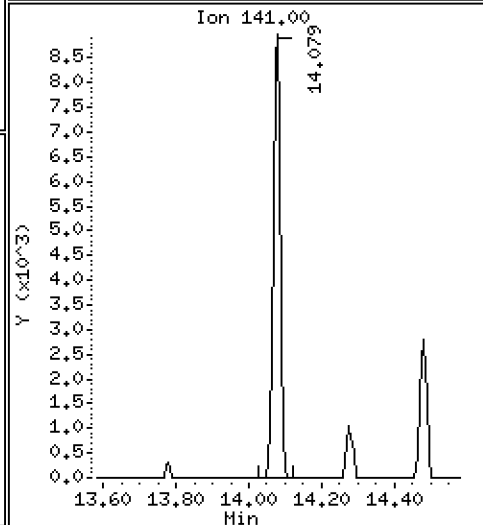
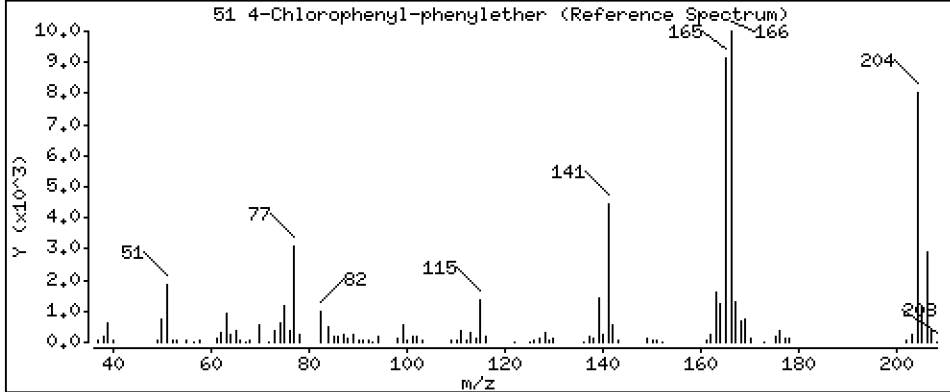
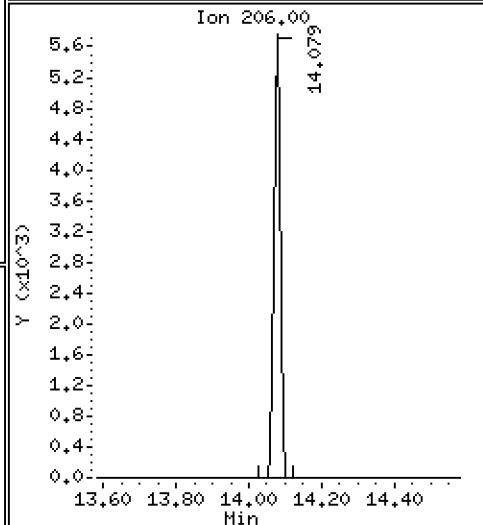
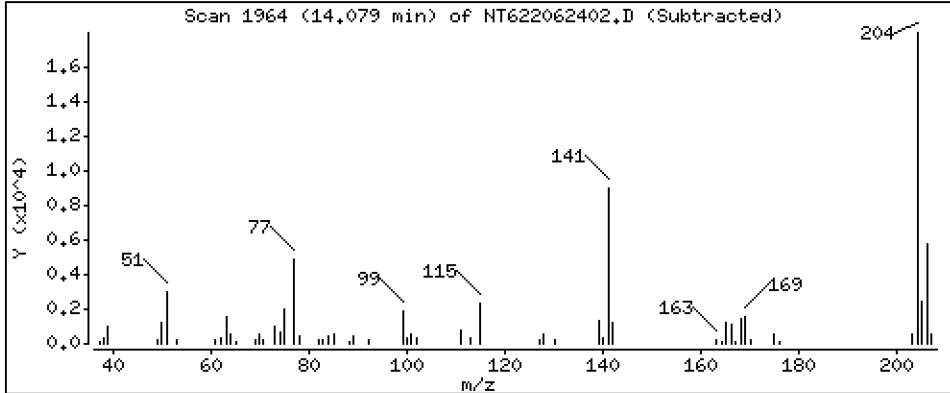
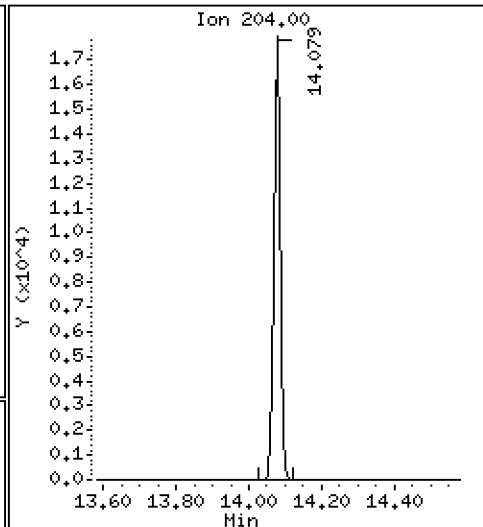
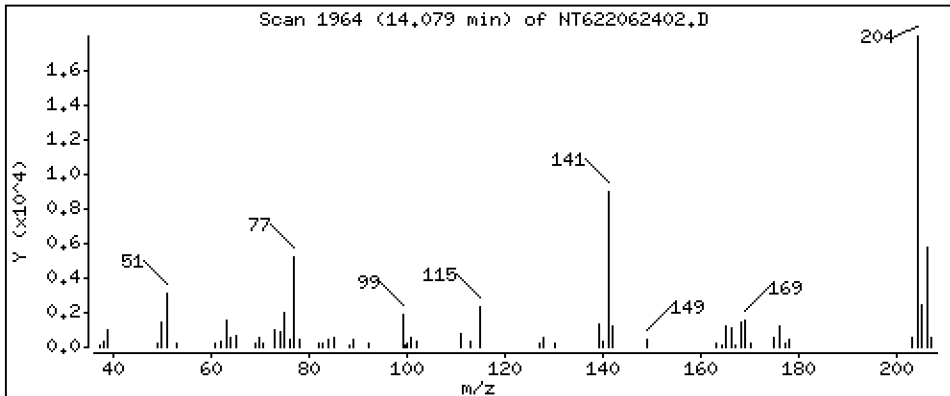
Operator: JZ

Column phase: ZB-5msi

Column diameter: 0,32

51 4-Chlorophenyl-phenylether

Concentration: 5,053 ug/mL



Date : 24-JUN-2022 10:59

Client ID:

Instrument: nt6.i

Sample Info: LCV220624

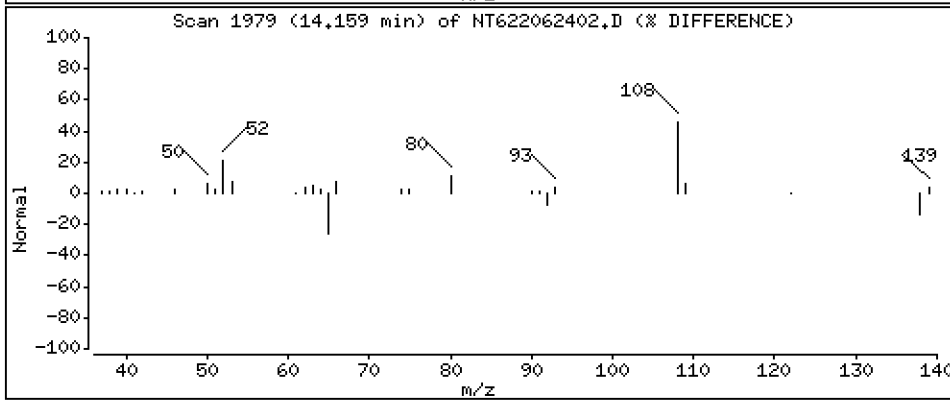
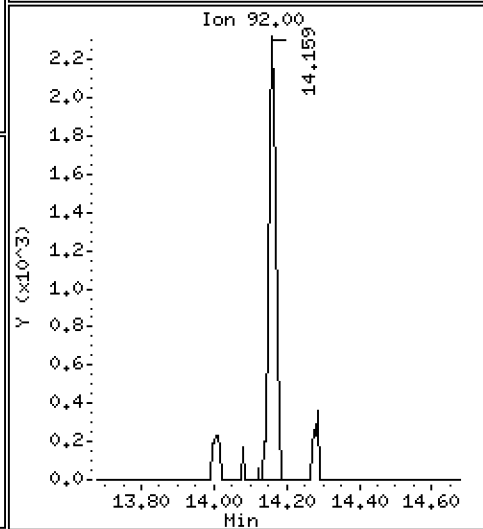
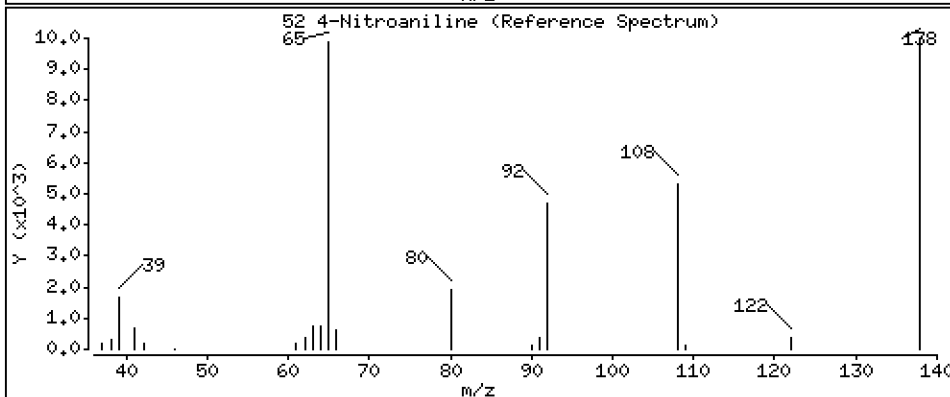
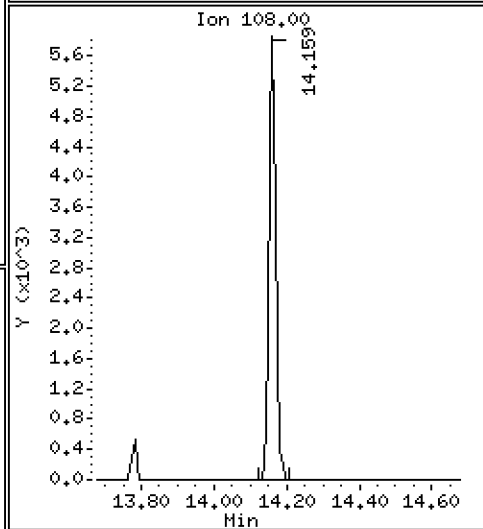
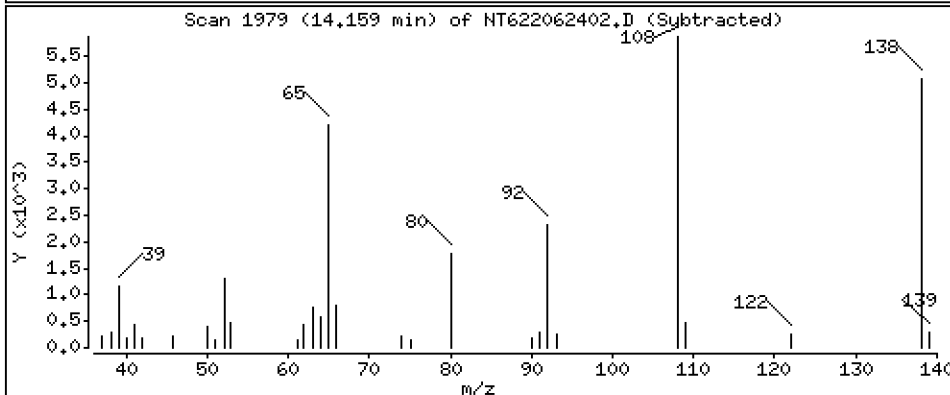
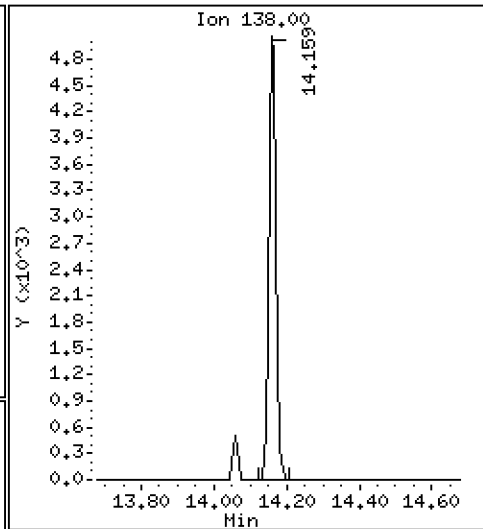
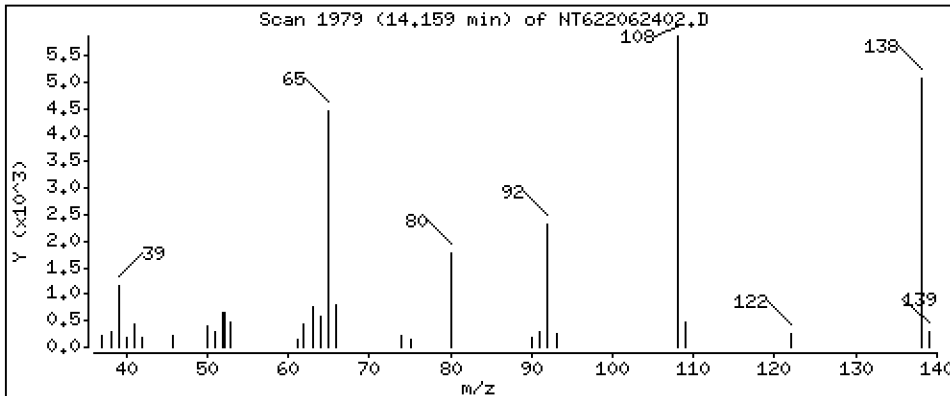
Operator: JZ

Column phase: ZB-5msi

Column diameter: 0.32

52 4-Nitroaniline

Concentration: 4.462 ug/mL



Date : 24-JUN-2022 10:59

Client ID:

Instrument: nt6.i

Sample Info: LCV220624

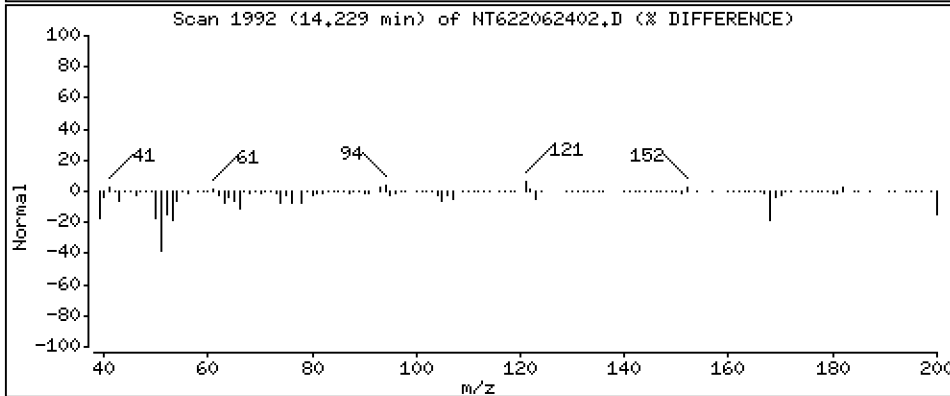
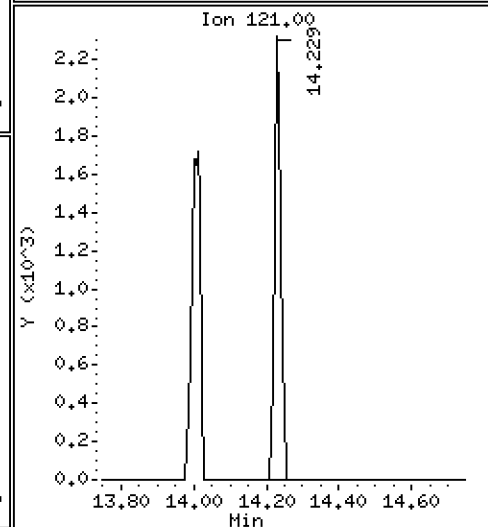
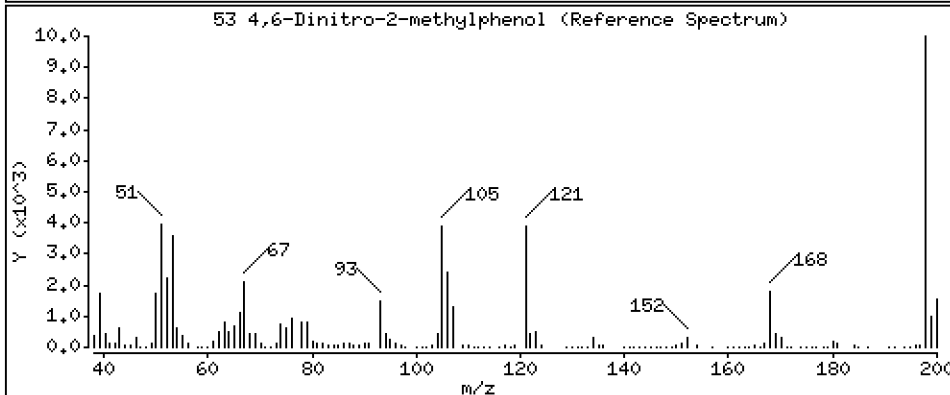
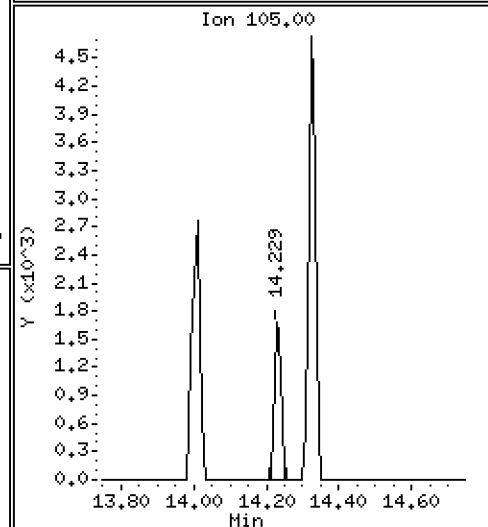
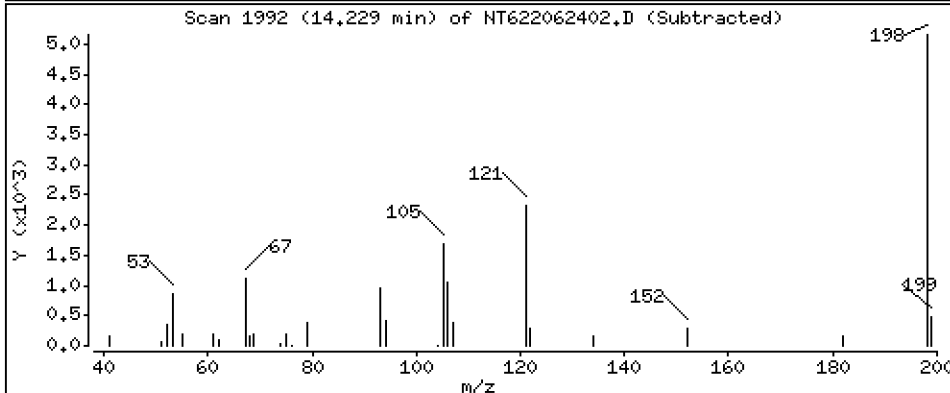
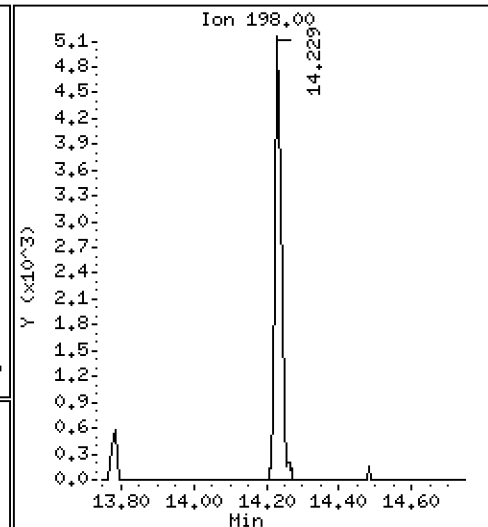
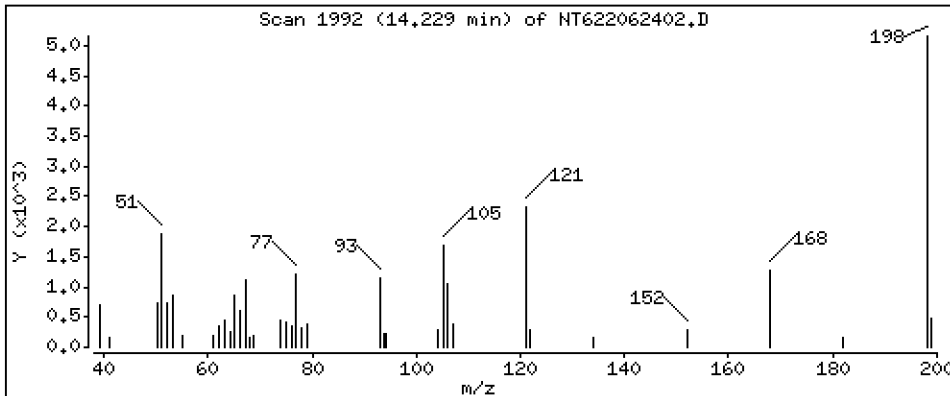
Operator: JZ

Column phase: ZB-5msi

Column diameter: 0.32

53 4,6-Dinitro-2-methylphenol

Concentration: 4.418 ug/mL



Date : 24-JUN-2022 10:59

Client ID:

Instrument: nt6.i

Sample Info: LCV220624

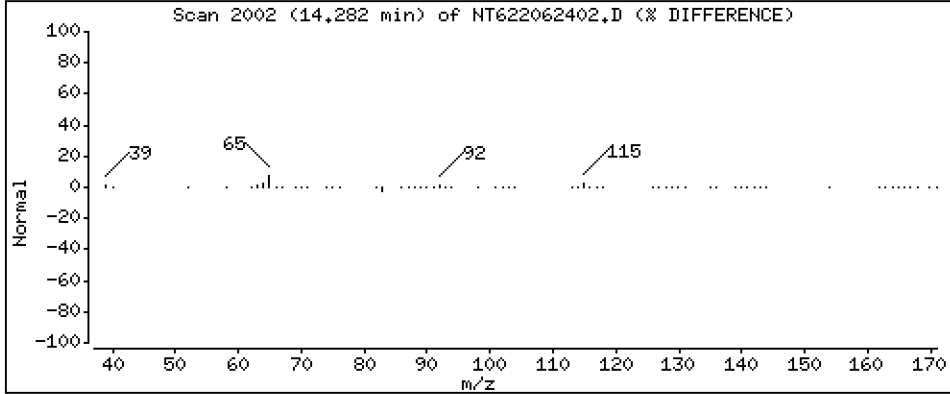
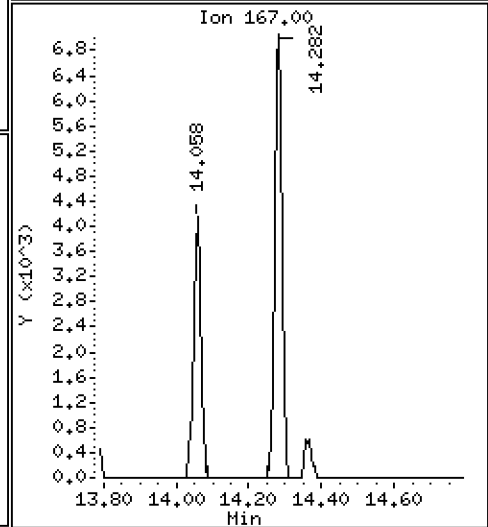
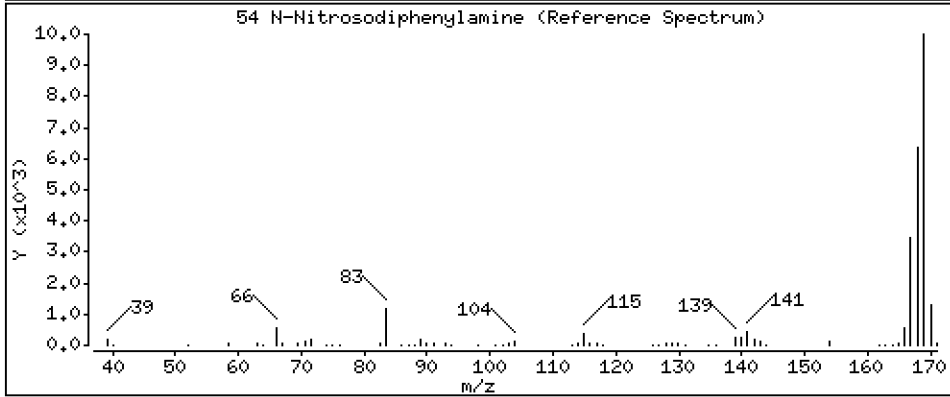
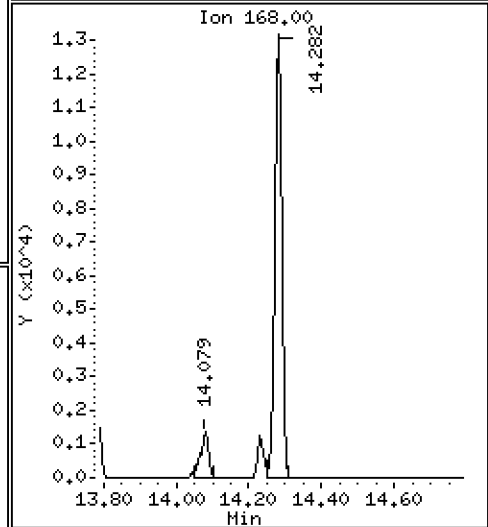
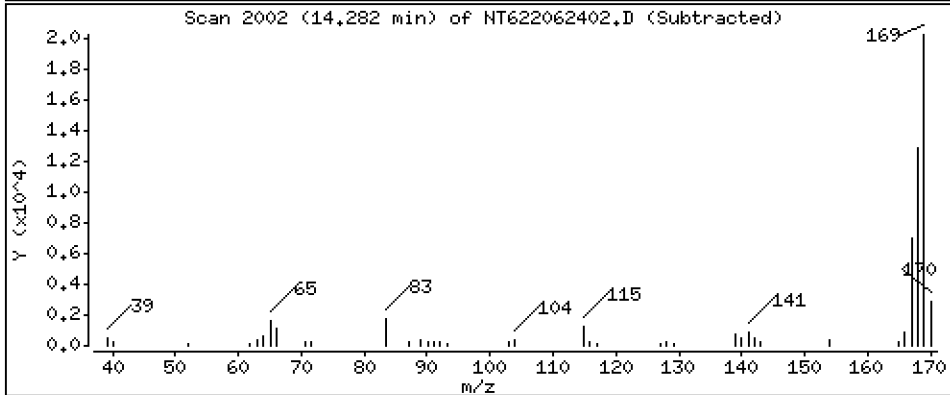
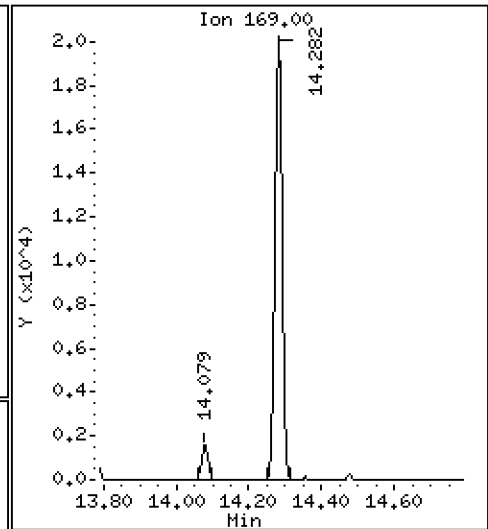
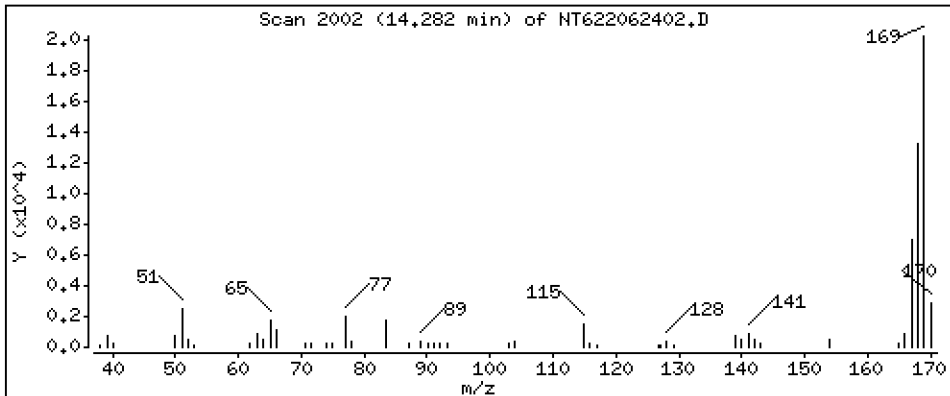
Operator: JZ

Column phase: ZB-5msi

Column diameter: 0.32

54 N-Nitrosodiphenylamine

Concentration: 4.858 ug/mL



Date : 24-JUN-2022 10:59

Client ID:

Instrument: nt6.i

Sample Info: LCV220624

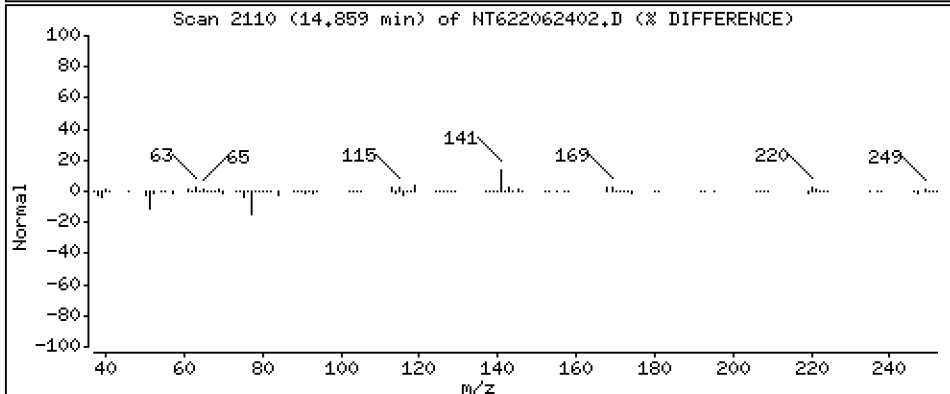
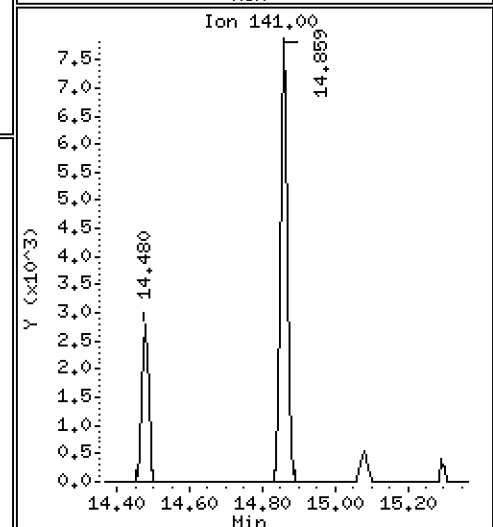
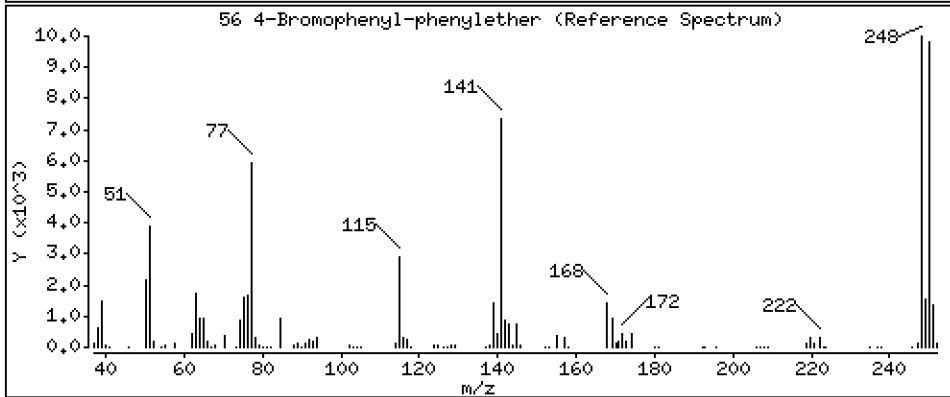
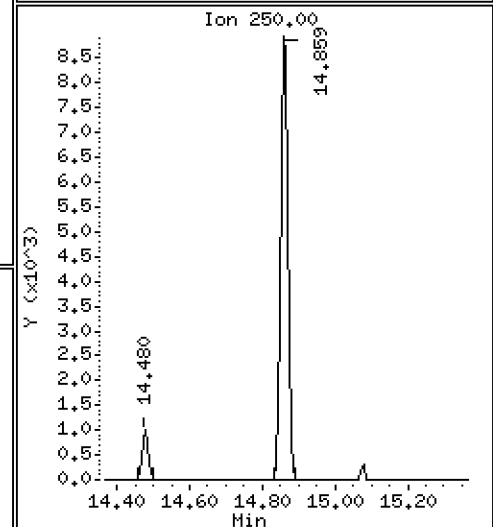
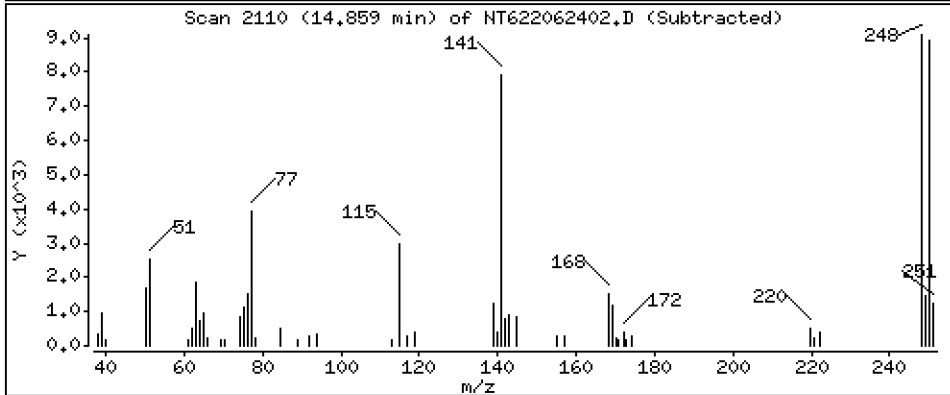
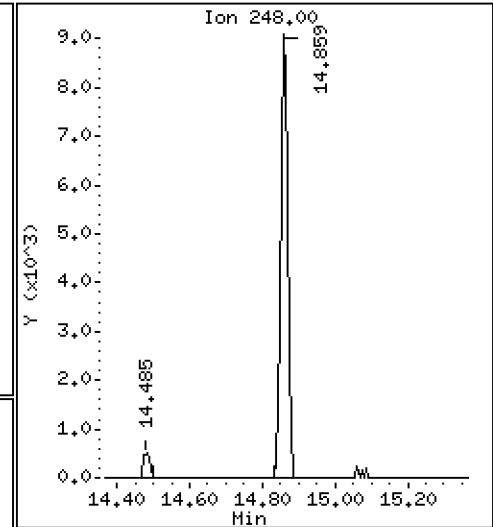
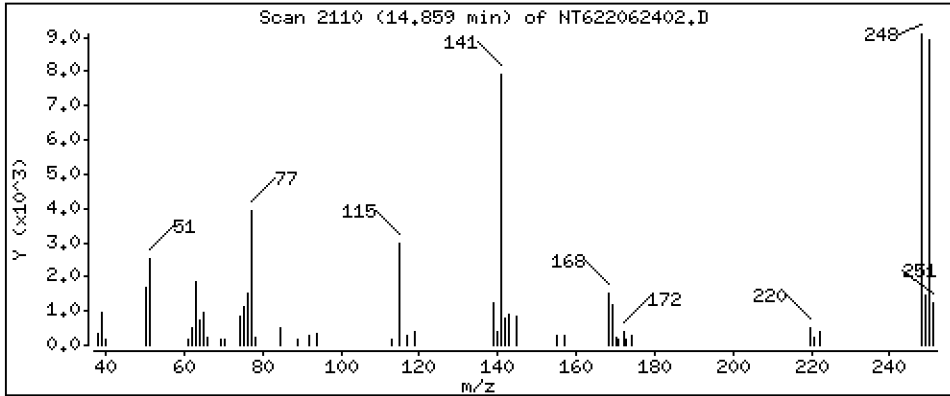
Operator: JZ

Column phase: ZB-5msi

Column diameter: 0.32

56 4-Bromophenyl-phenylether

Concentration: 4.903 ug/mL



Date : 24-JUN-2022 10:59

Client ID:

Instrument: nt6.i

Sample Info: LCV220624

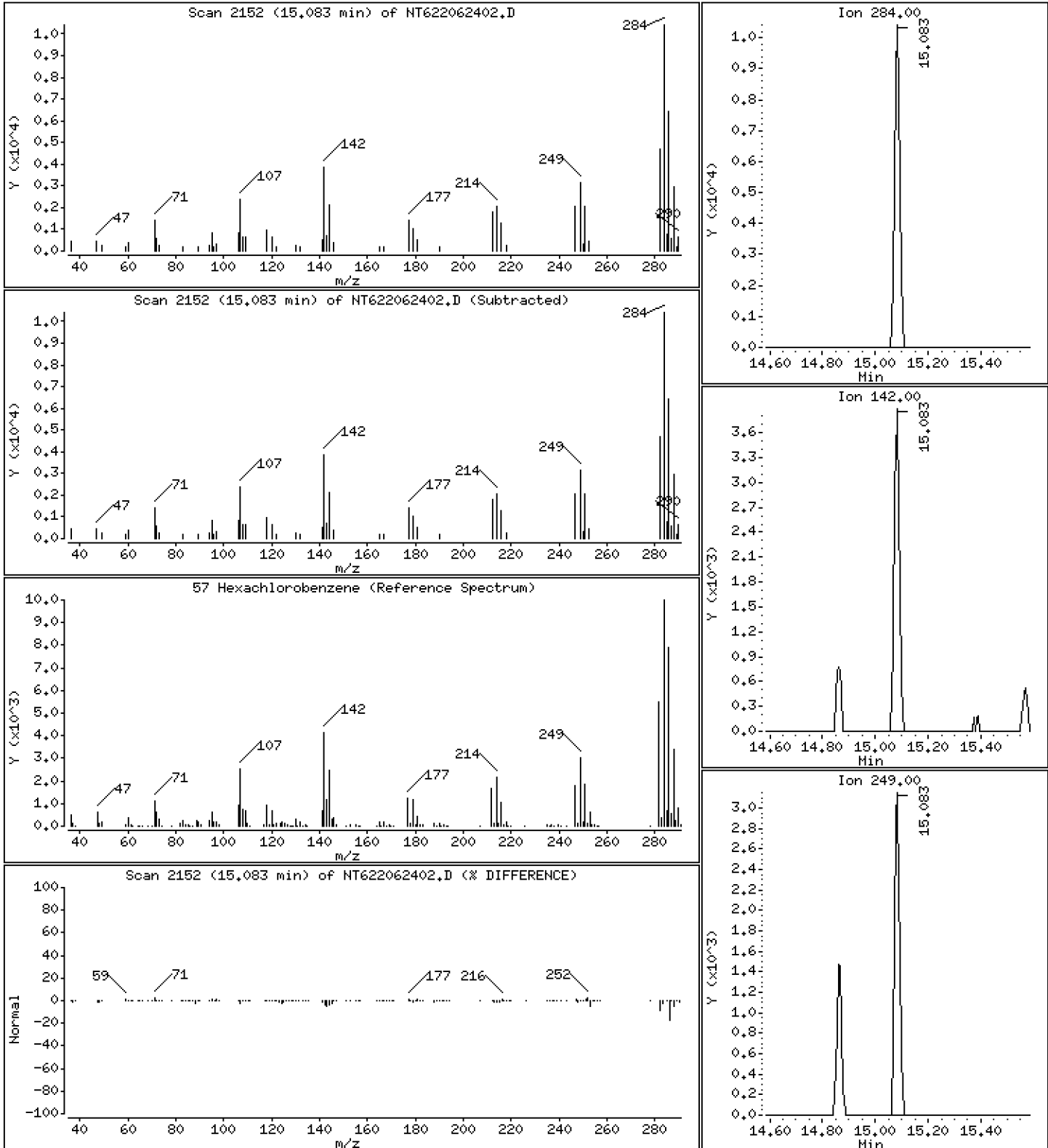
Operator: JZ

Column phase: ZB-5msi

Column diameter: 0.32

57 Hexachlorobenzene

Concentration: 5,188 ug/mL



Date : 24-JUN-2022 10:59

Client ID:

Instrument: nt6.i

Sample Info: LCV220624

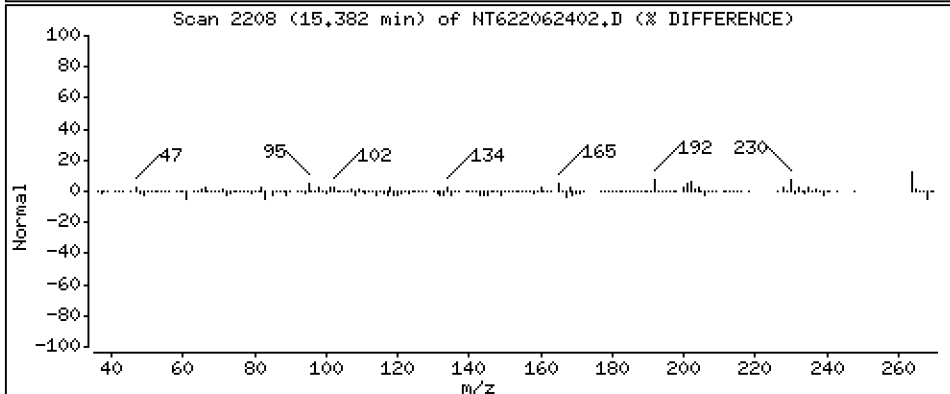
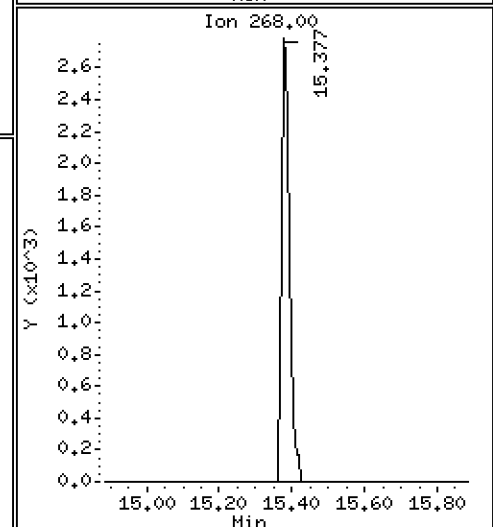
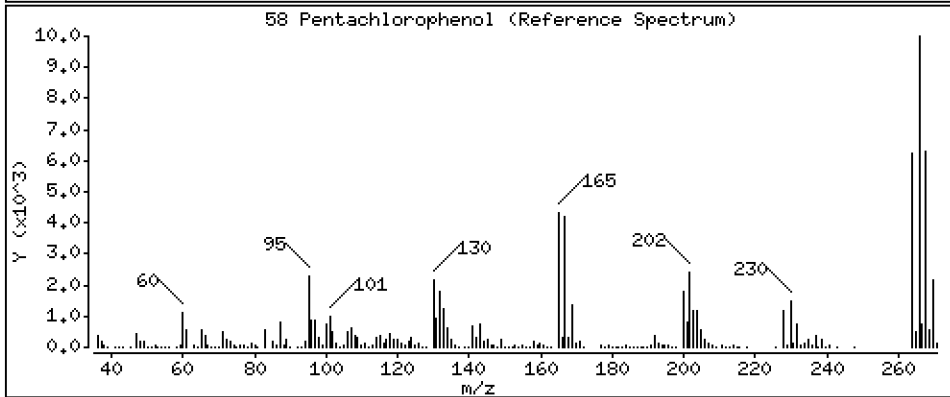
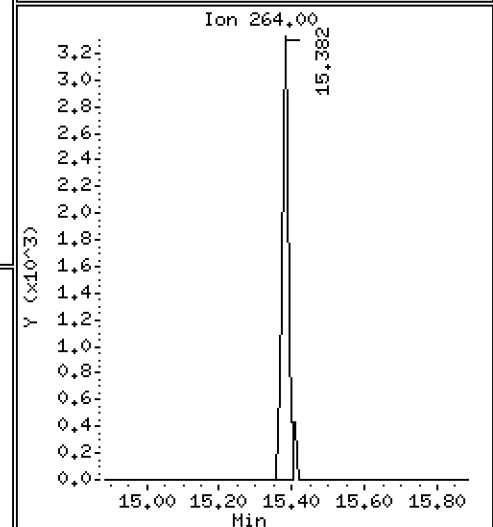
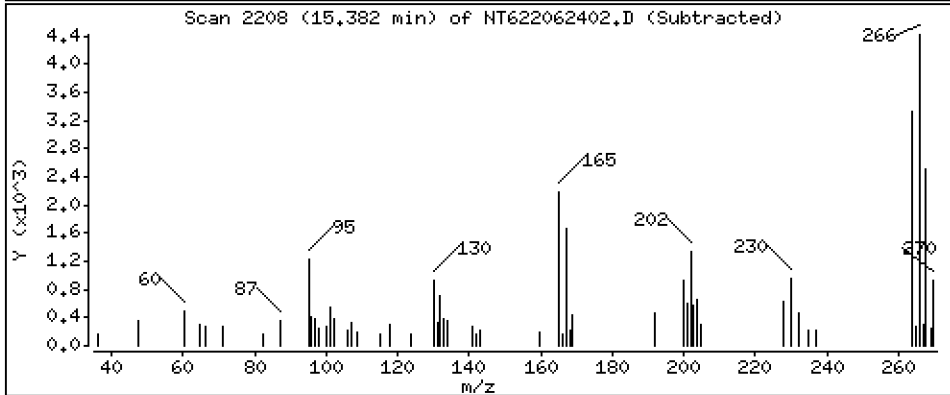
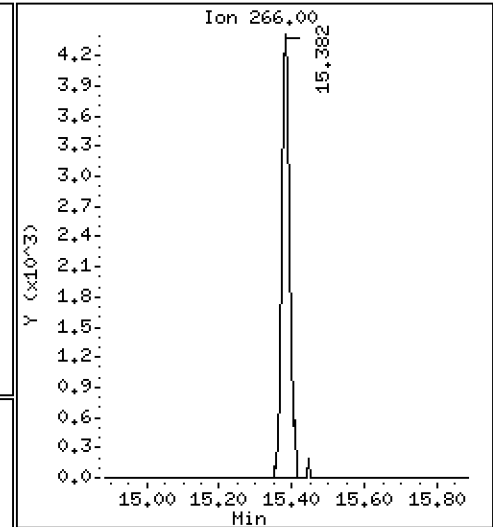
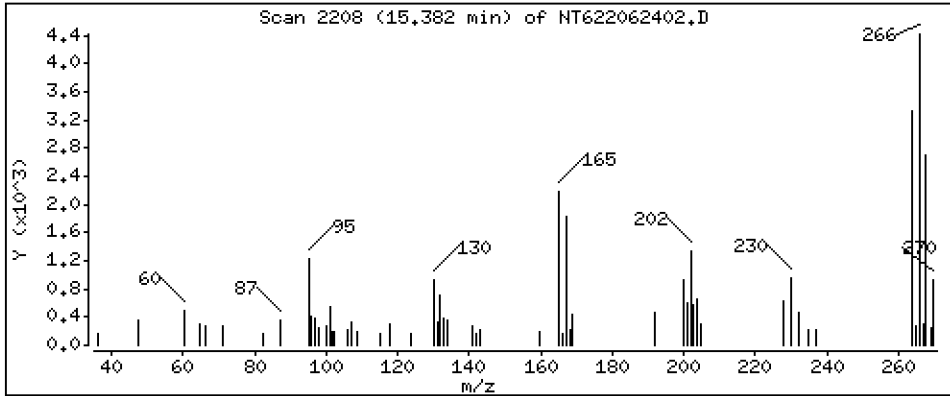
Operator: JZ

Column phase: ZB-5msi

Column diameter: 0.32

58 Pentachlorophenol

Concentration: 3,732 ug/mL



Date : 24-JUN-2022 10:59

Client ID:

Instrument: nt6.i

Sample Info: LCV220624

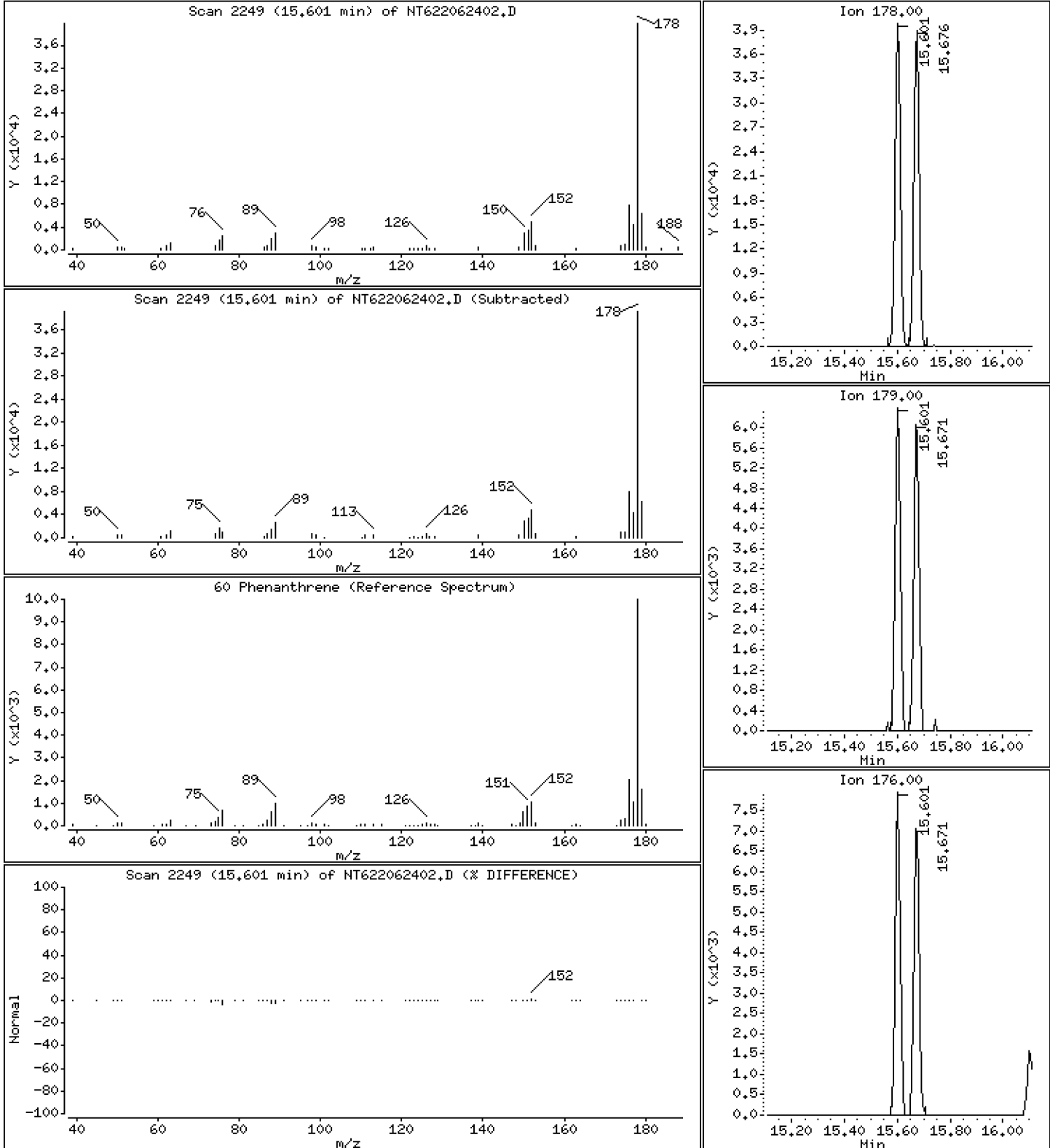
Operator: JZ

Column phase: ZB-5msi

Column diameter: 0.32

60 Phenanthrene

Concentration: 5,100 ug/mL



Date : 24-JUN-2022 10:59

Client ID:

Instrument: nt6.i

Sample Info: LCV220624

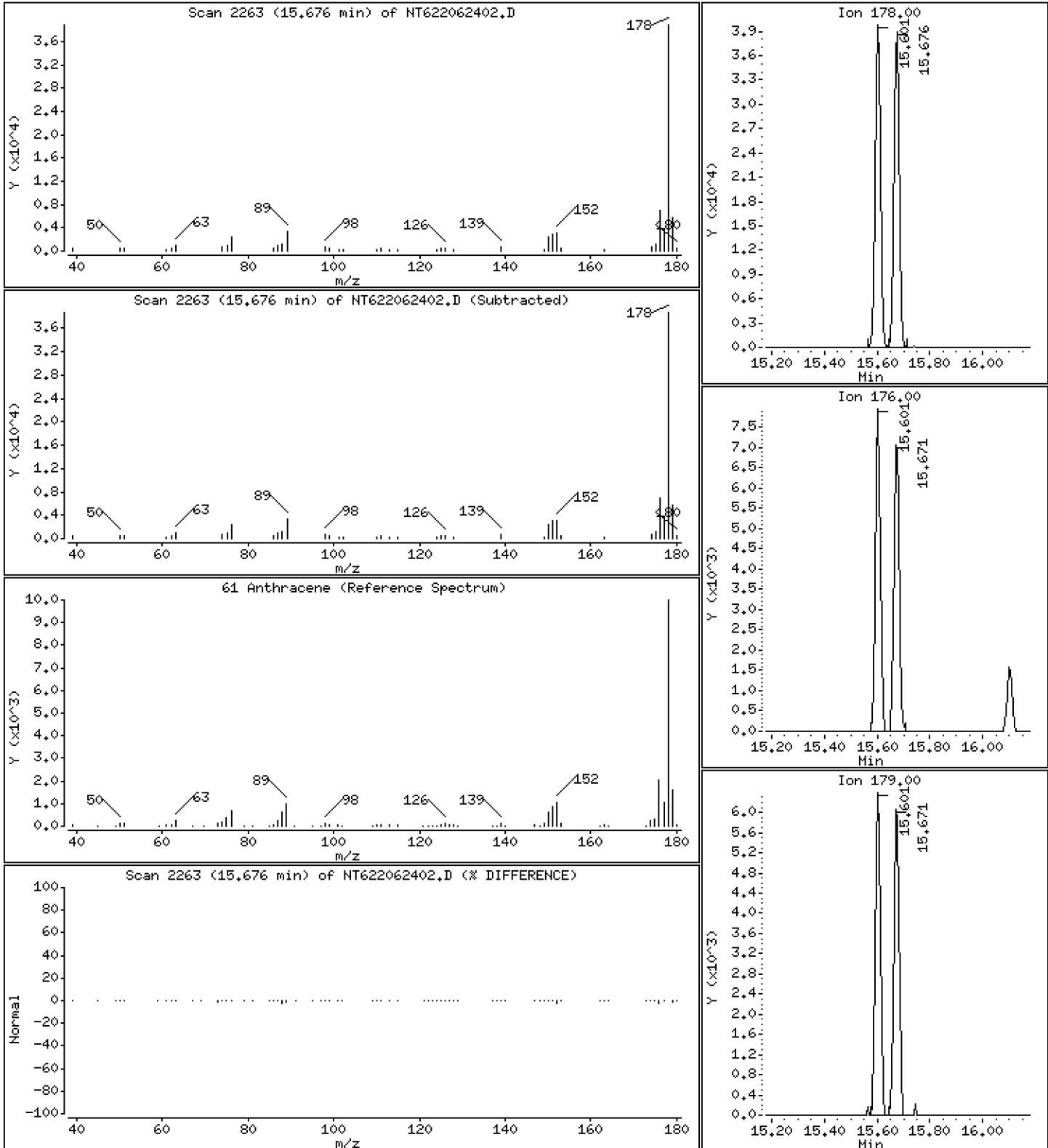
Operator: JZ

Column phase: ZB-5msi

Column diameter: 0.32

61 Anthracene

Concentration: 4.982 ug/mL



Date : 24-JUN-2022 10:59

Client ID:

Instrument: nt6.i

Sample Info: LCV220624

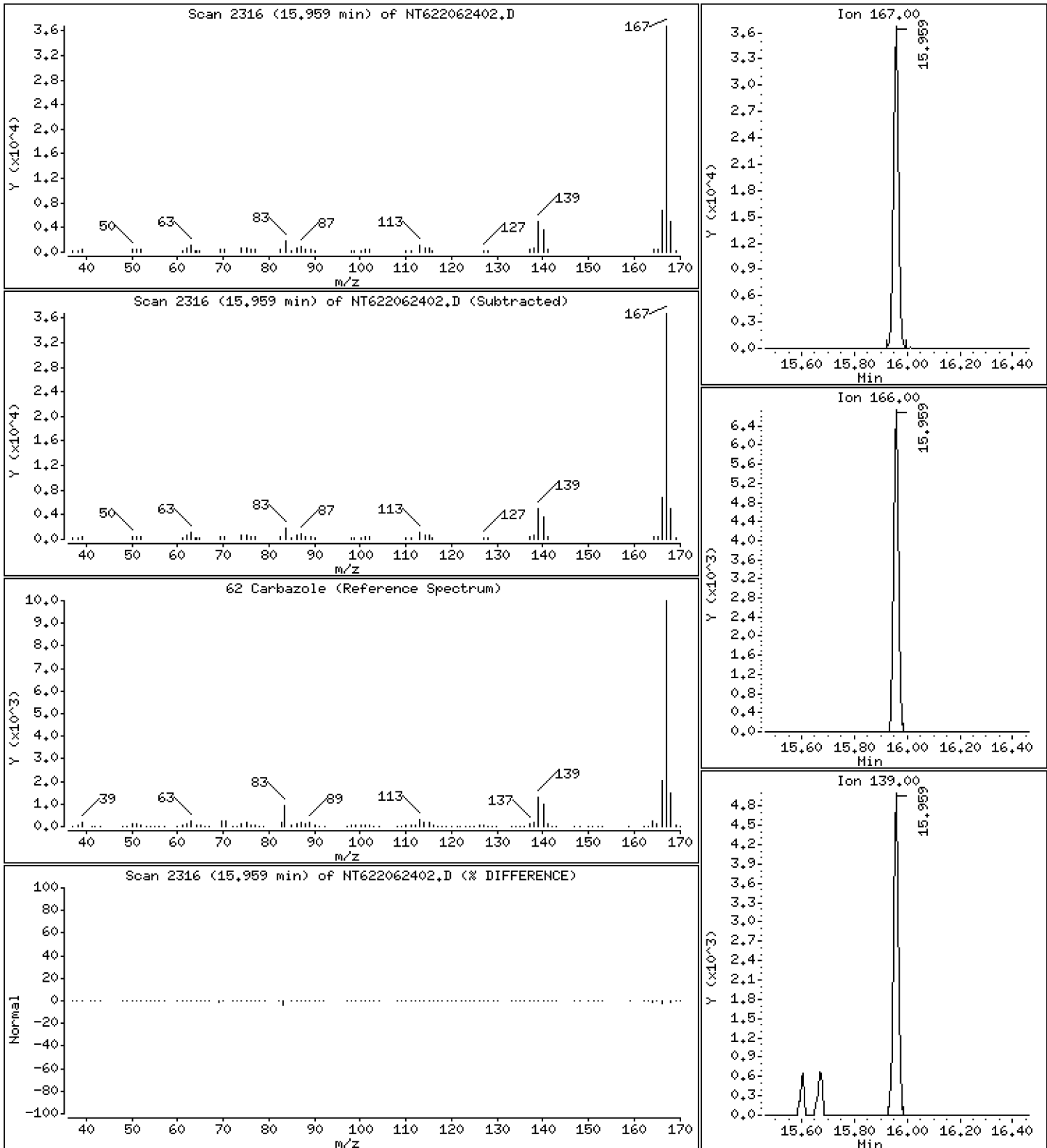
Operator: JZ

Column phase: ZB-5msi

Column diameter: 0,32

62 Carbazole

Concentration: 5,168 ug/mL



Date : 24-JUN-2022 10:59

Client ID:

Instrument: nt6.i

Sample Info: LCV220624

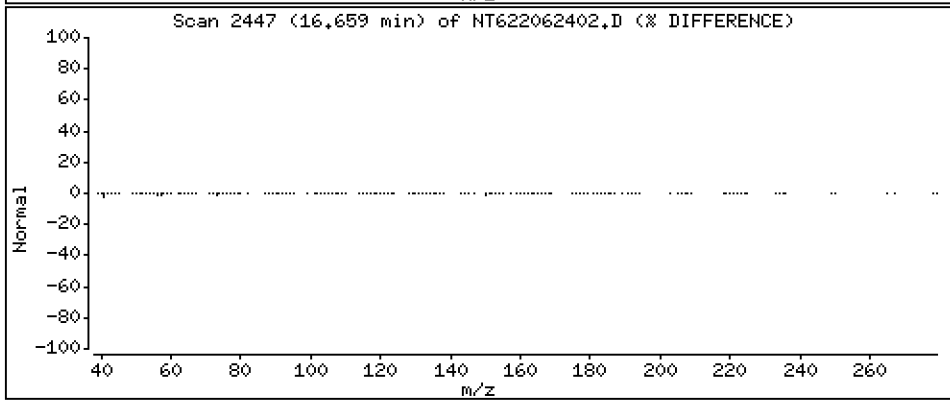
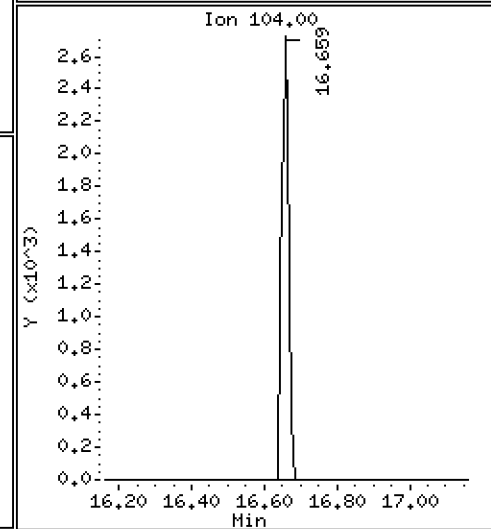
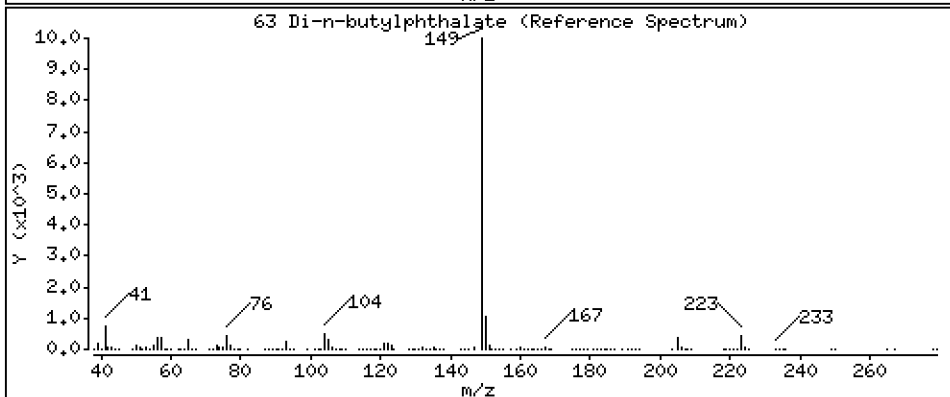
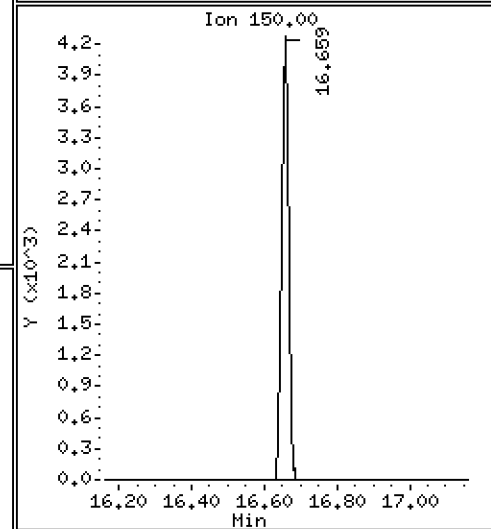
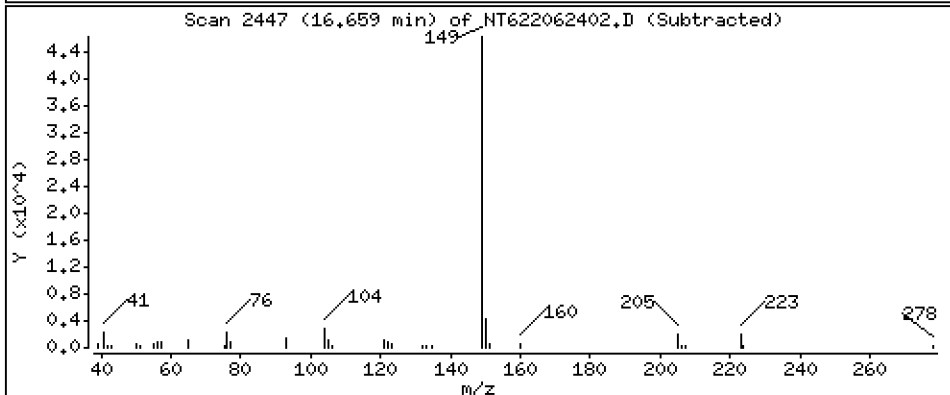
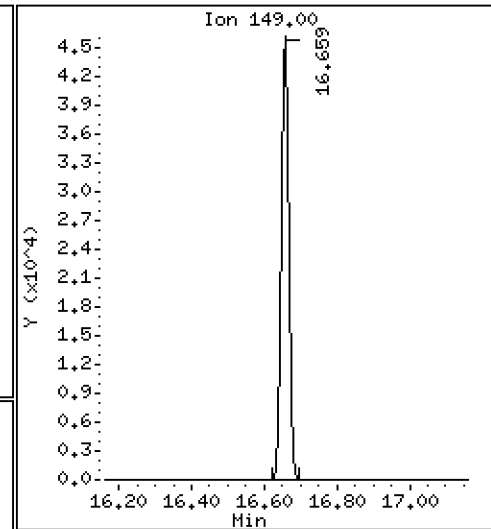
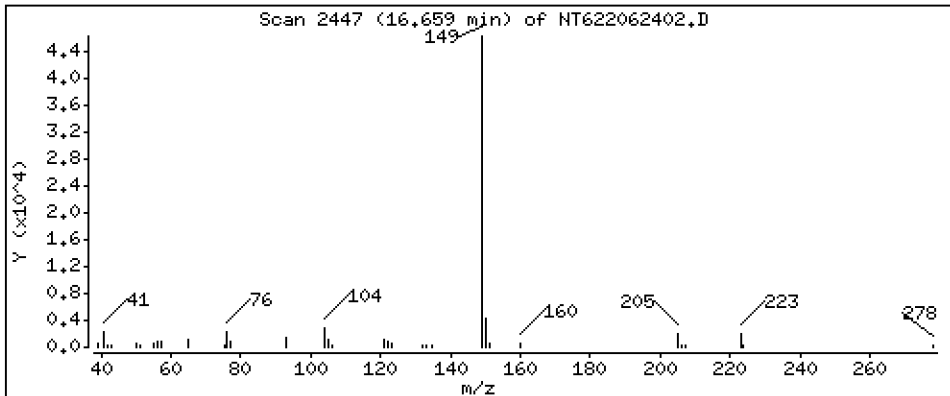
Operator: JZ

Column phase: ZB-5msi

Column diameter: 0.32

63 Di-n-butylphthalate

Concentration: 5,681 ug/mL



Date : 24-JUN-2022 10:59

Client ID:

Instrument: nt6.i

Sample Info: LCV220624

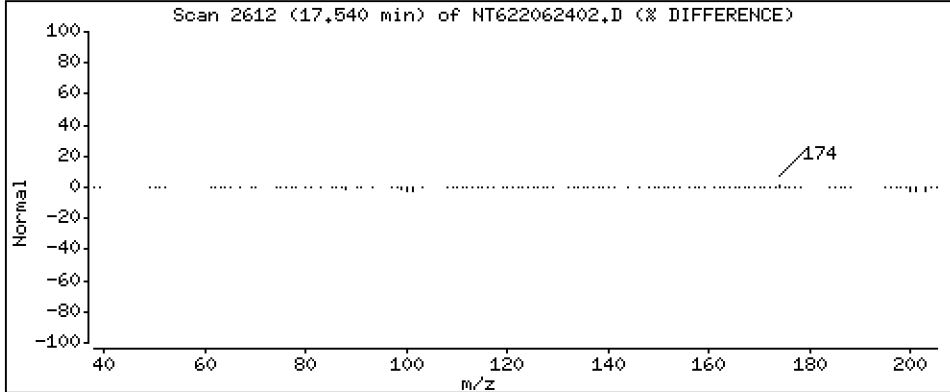
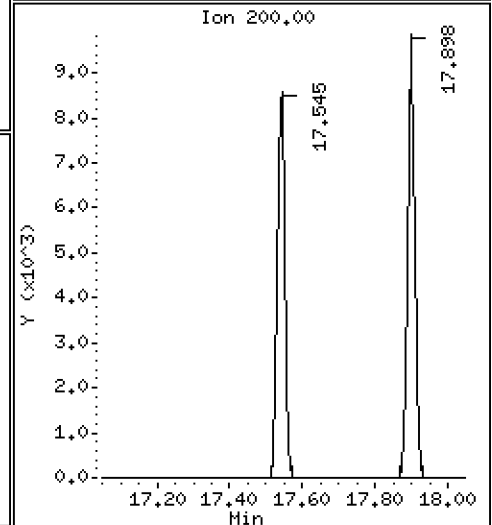
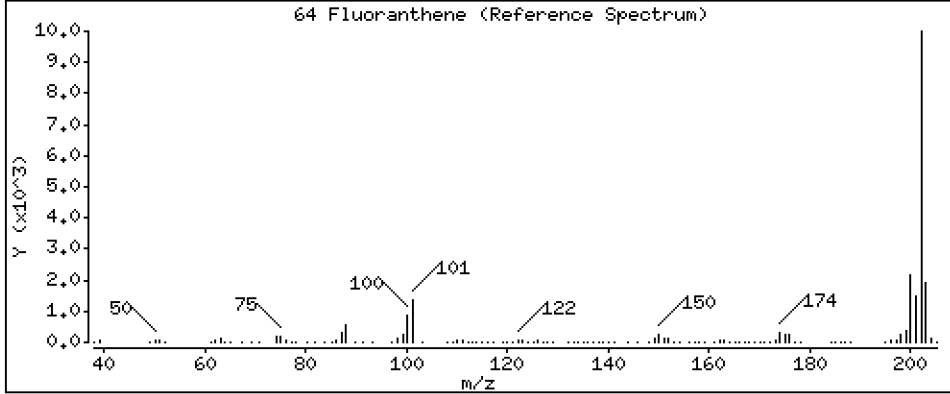
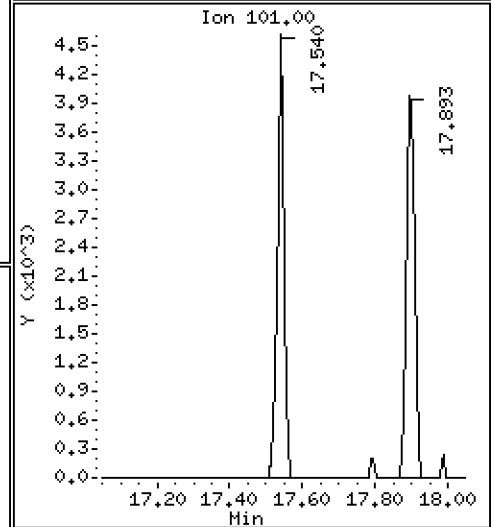
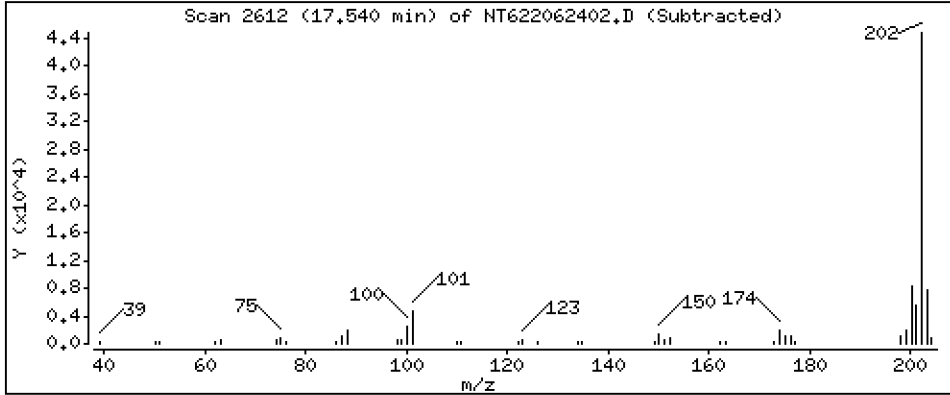
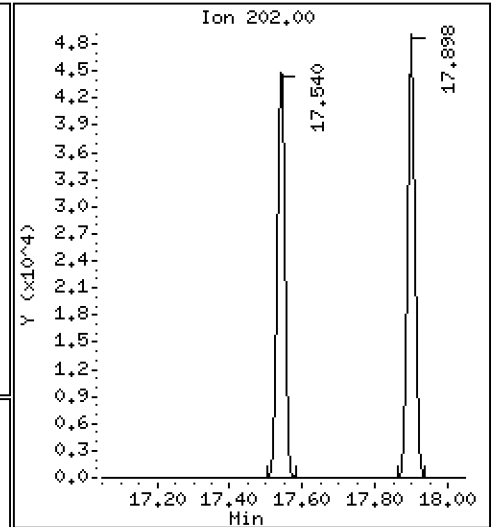
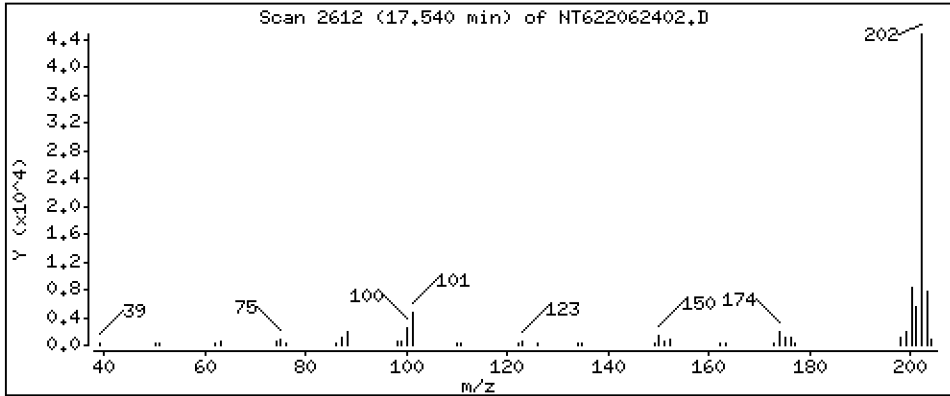
Operator: JZ

Column phase: ZB-5msi

Column diameter: 0.32

64 Fluoranthene

Concentration: 5.466 ug/mL



Date : 24-JUN-2022 10:59

Client ID:

Instrument: nt6.i

Sample Info: LCV220624

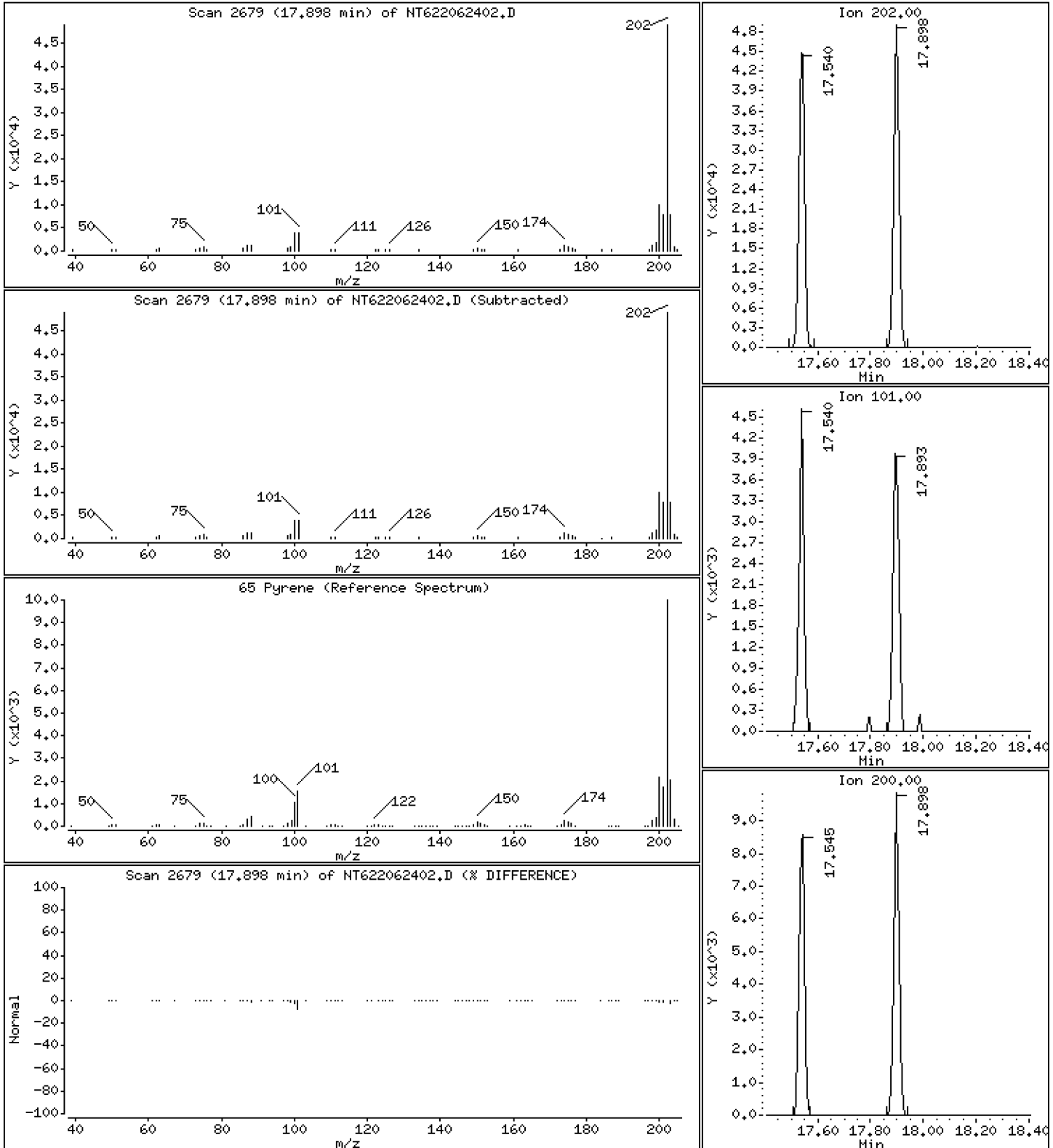
Operator: JZ

Column phase: ZB-5msi

Column diameter: 0.32

65 Pyrene

Concentration: 4.945 ug/mL



Date : 24-JUN-2022 10:59

Client ID:

Instrument: nt6.i

Sample Info: LCV220624

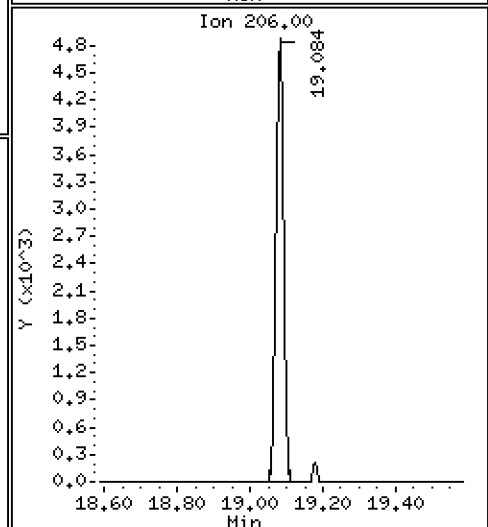
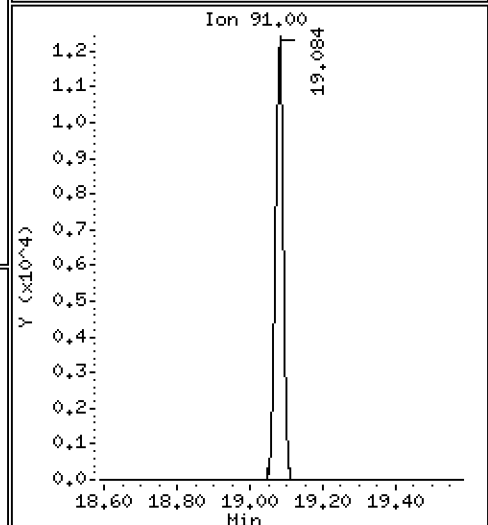
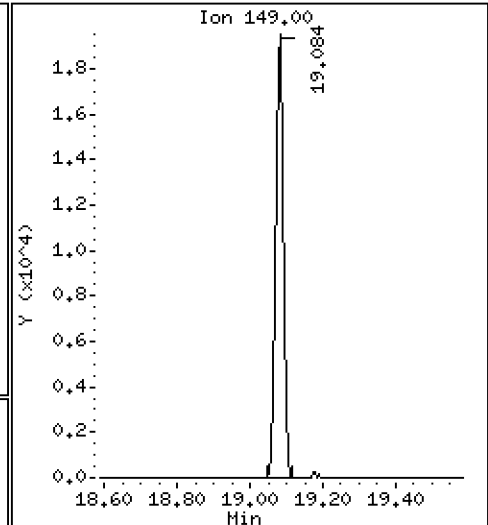
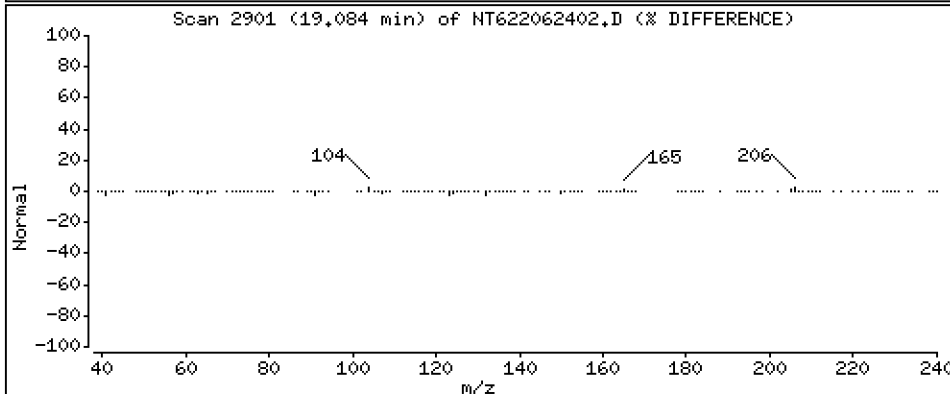
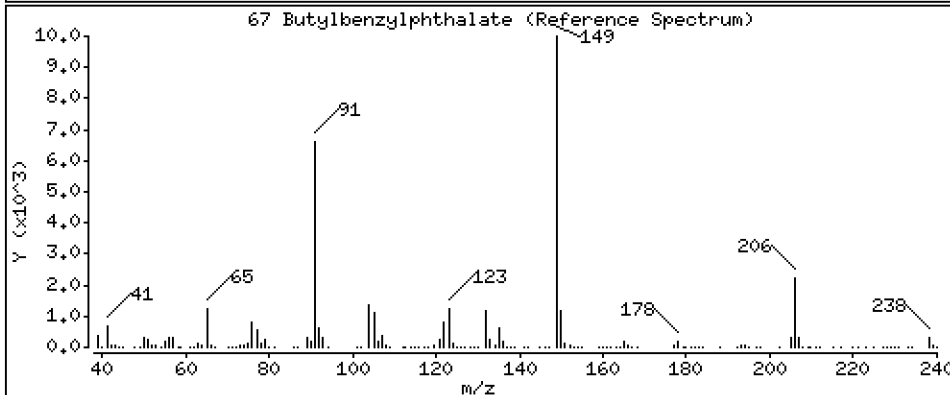
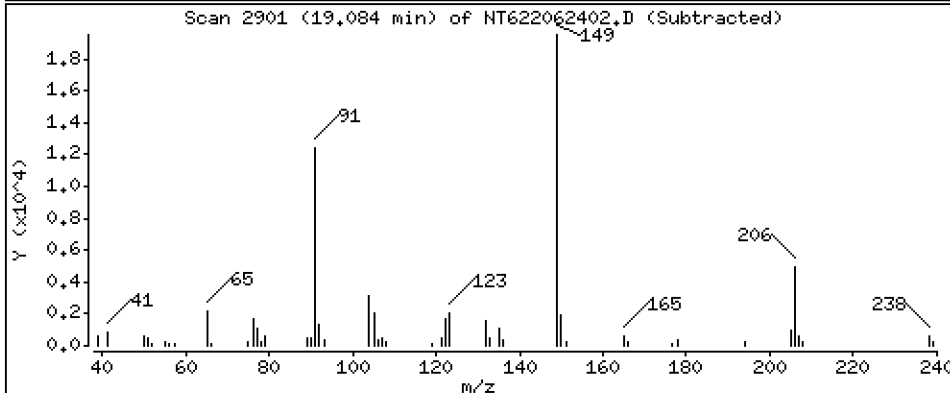
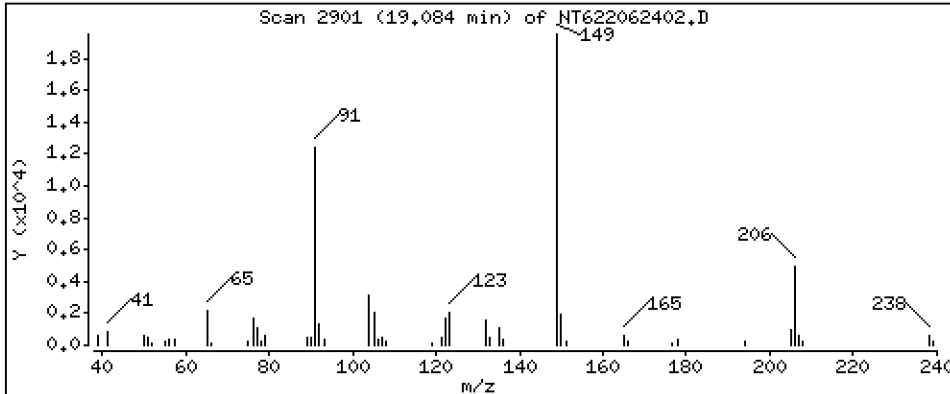
Operator: JZ

Column phase: ZB-5msi

Column diameter: 0.32

67 Butylbenzylphthalate

Concentration: 5.261 ug/mL



Date : 24-JUN-2022 10:59

Client ID:

Instrument: nt6.i

Sample Info: LCV220624

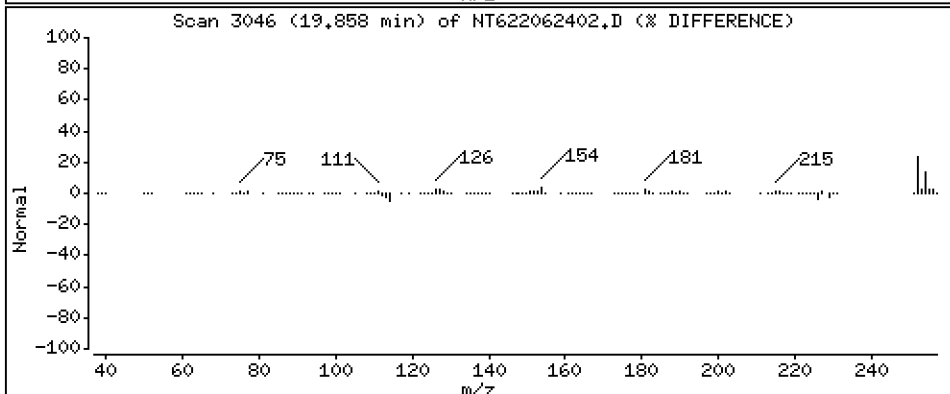
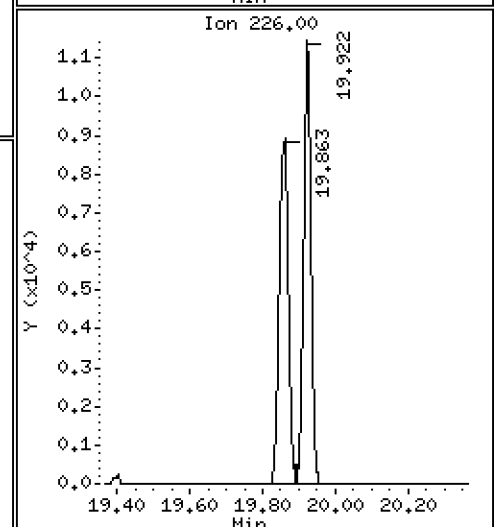
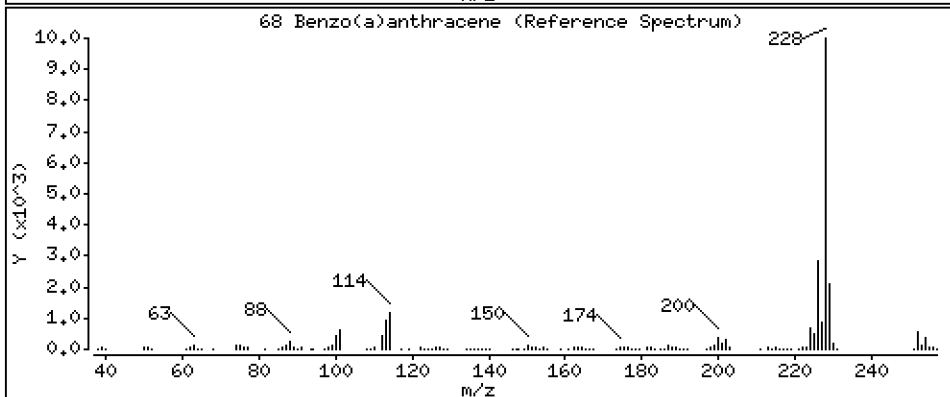
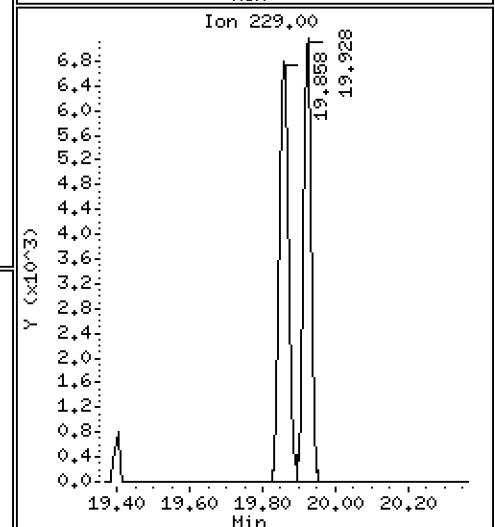
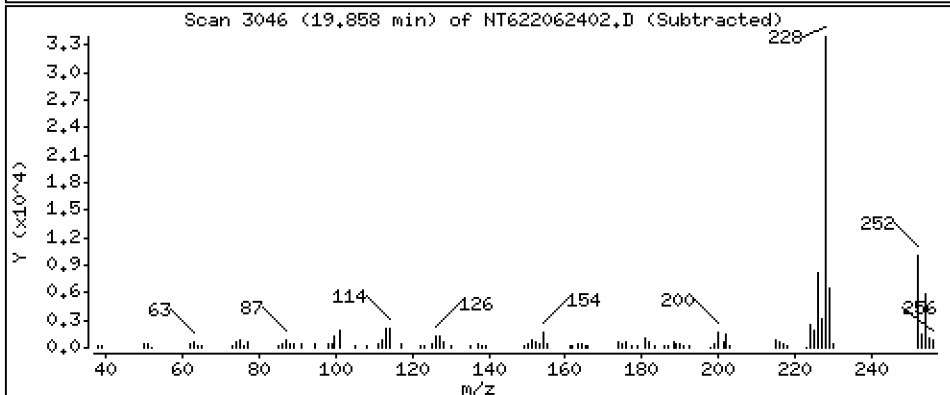
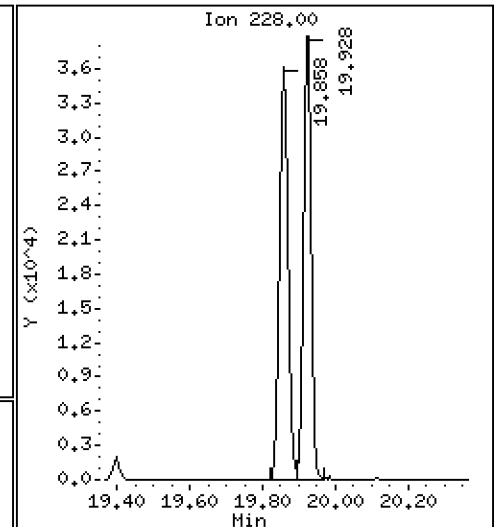
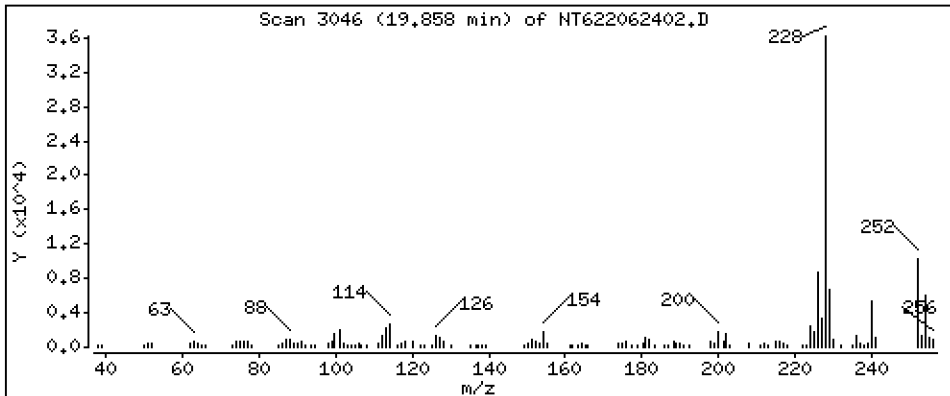
Operator: JZ

Column phase: ZB-5msi

Column diameter: 0.32

68 Benzo(a)anthracene

Concentration: 4.891 ug/mL



Date : 24-JUN-2022 10:59

Client ID:

Instrument: nt6.i

Sample Info: LCV220624

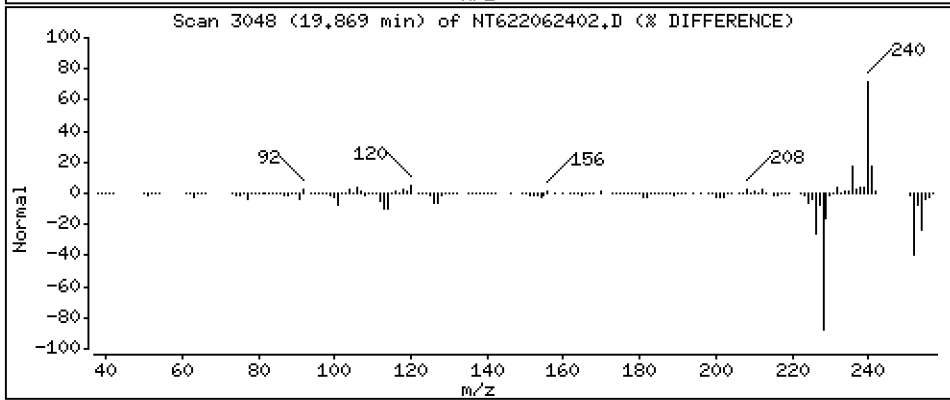
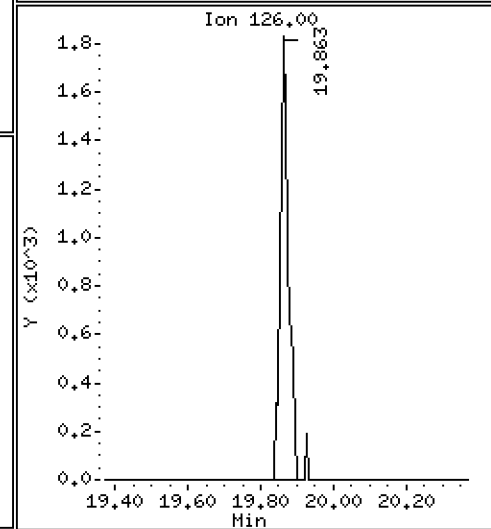
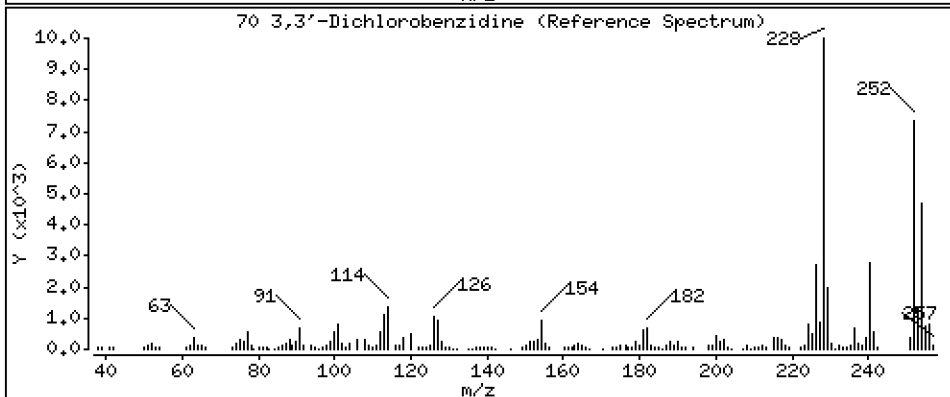
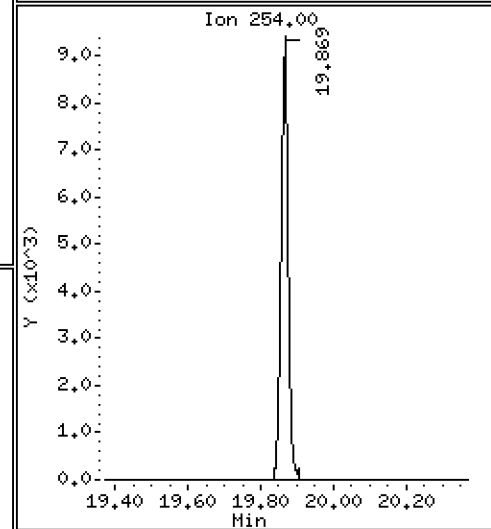
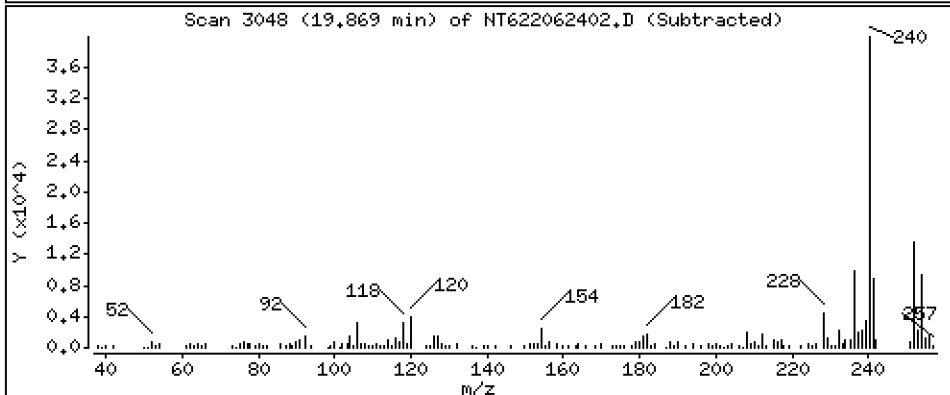
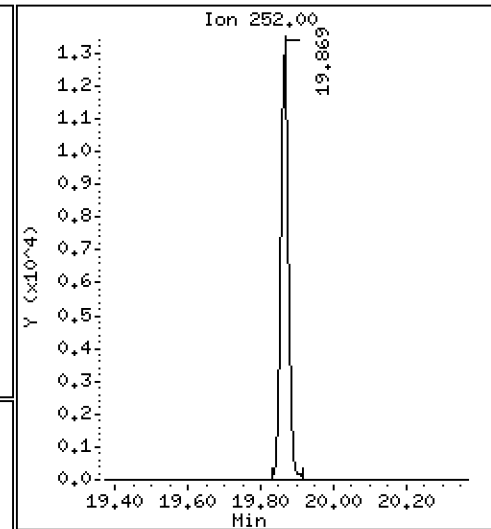
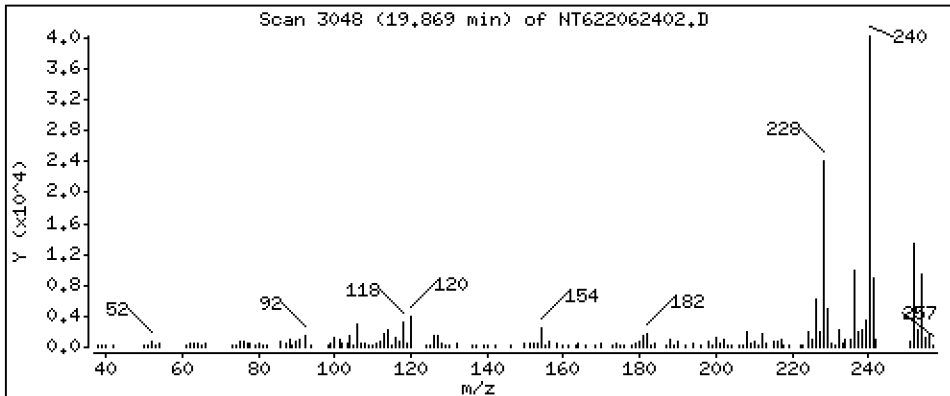
Operator: JZ

Column phase: ZB-5msi

Column diameter: 0.32

70 3,3'-Dichlorobenzidine

Concentration: 5,238 ug/mL



Date : 24-JUN-2022 10:59

Client ID:

Instrument: nt6.i

Sample Info: LCV220624

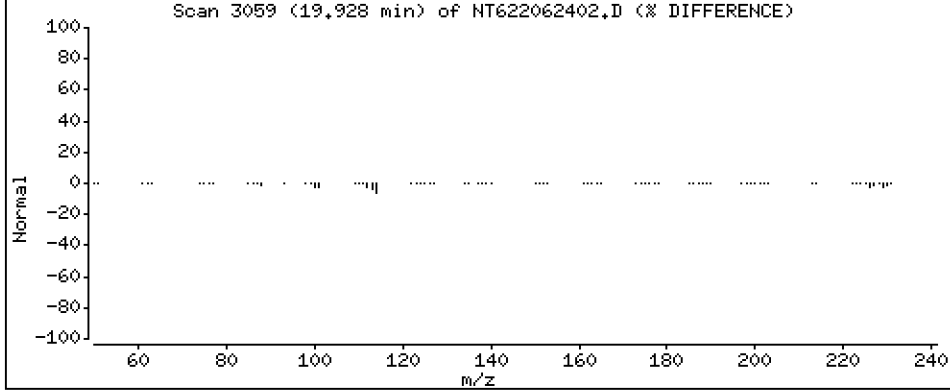
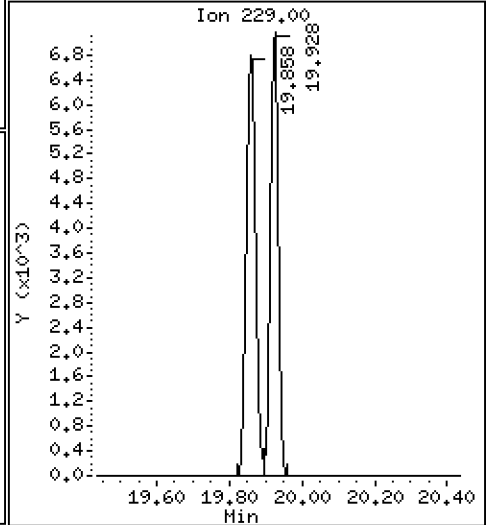
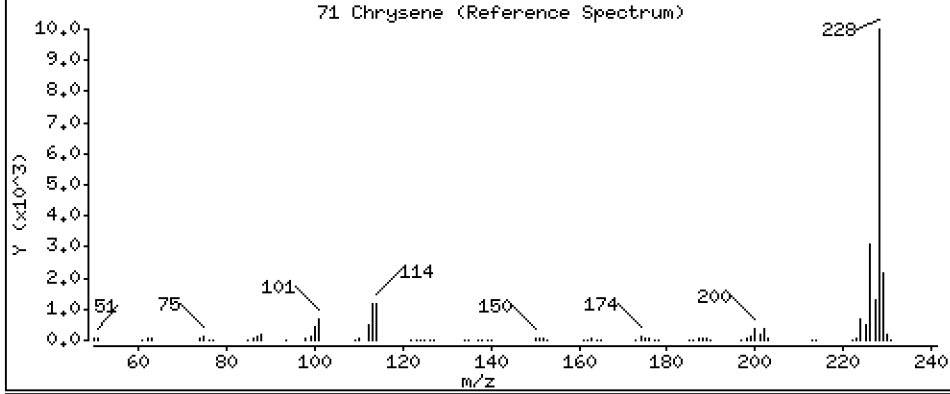
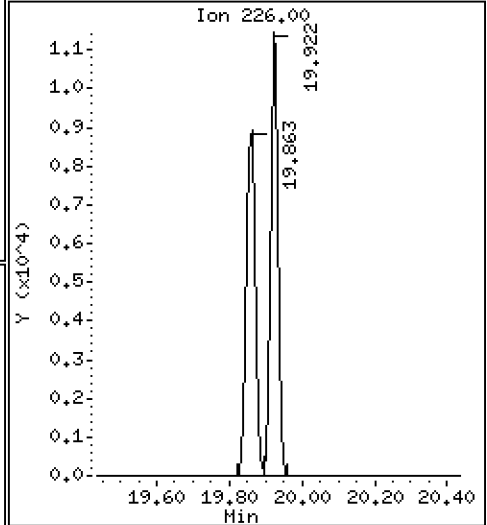
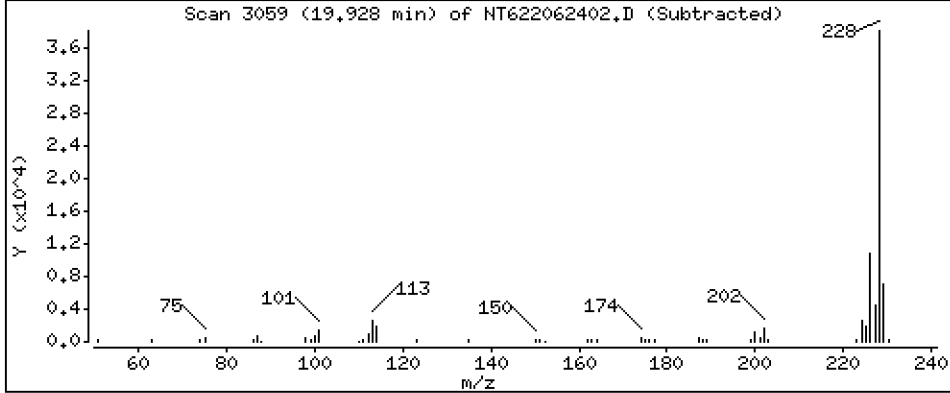
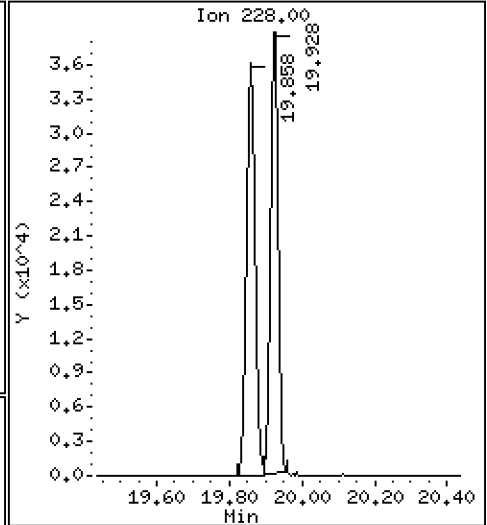
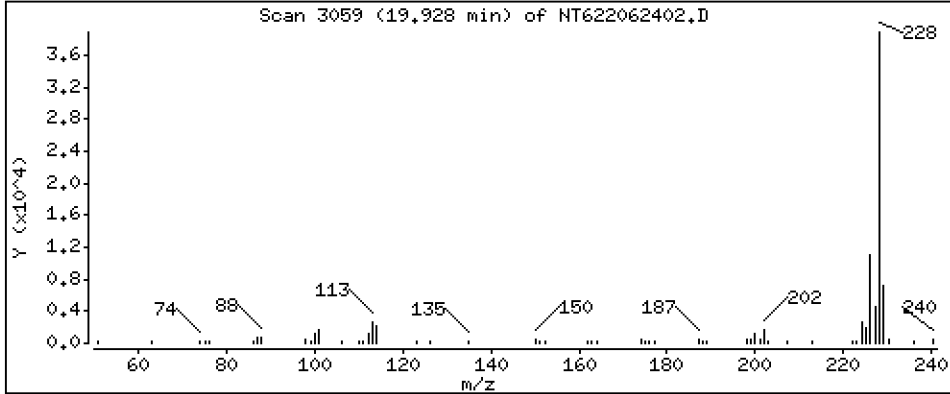
Operator: JZ

Column phase: ZB-5msi

Column diameter: 0.32

71 Chrysene

Concentration: 5.001 ug/mL



Date : 24-JUN-2022 10:59

Client ID:

Instrument: nt6.i

Sample Info: LCV220624

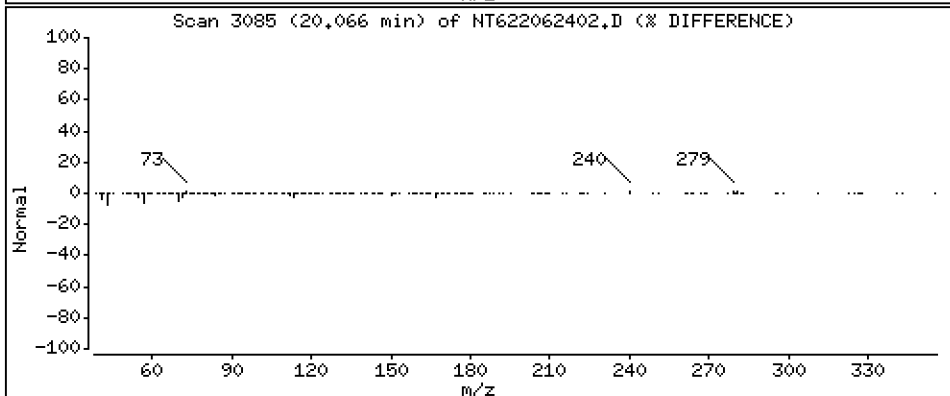
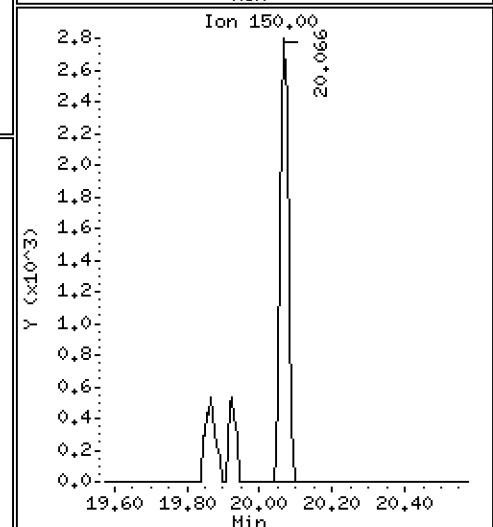
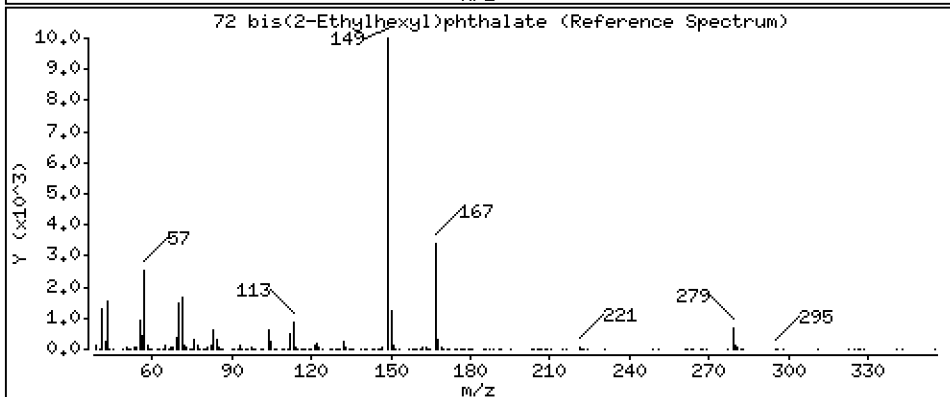
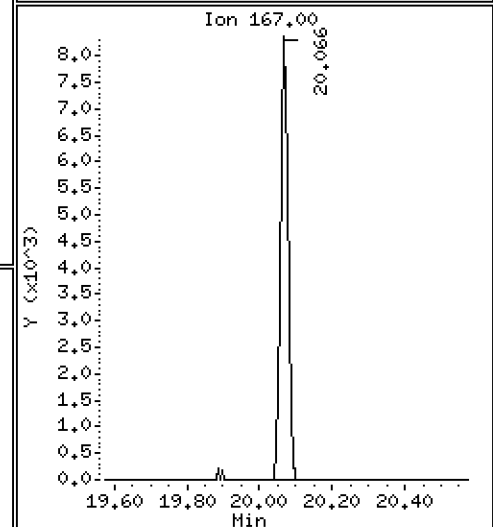
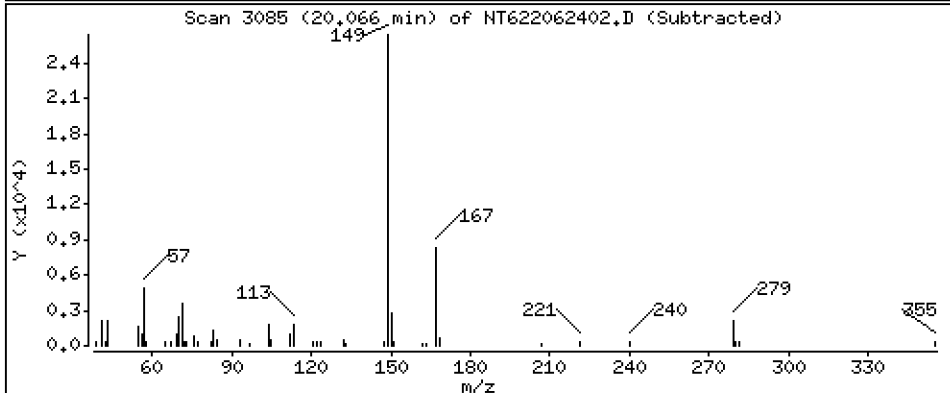
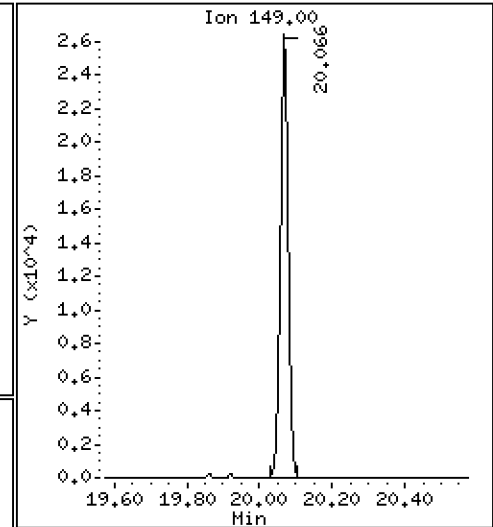
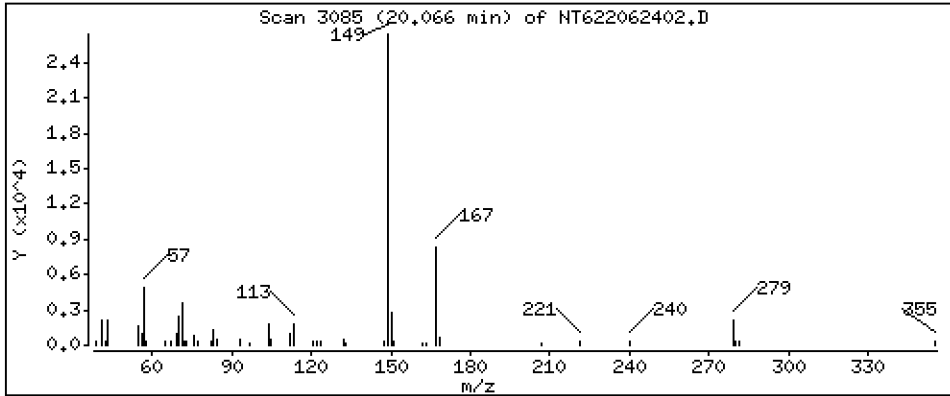
Operator: JZ

Column phase: ZB-5msi

Column diameter: 0.32

72 bis(2-Ethylhexyl)phthalate

Concentration: 5.348 ug/mL



Date : 24-JUN-2022 10:59

Client ID:

Instrument: nt6.i

Sample Info: LCV220624

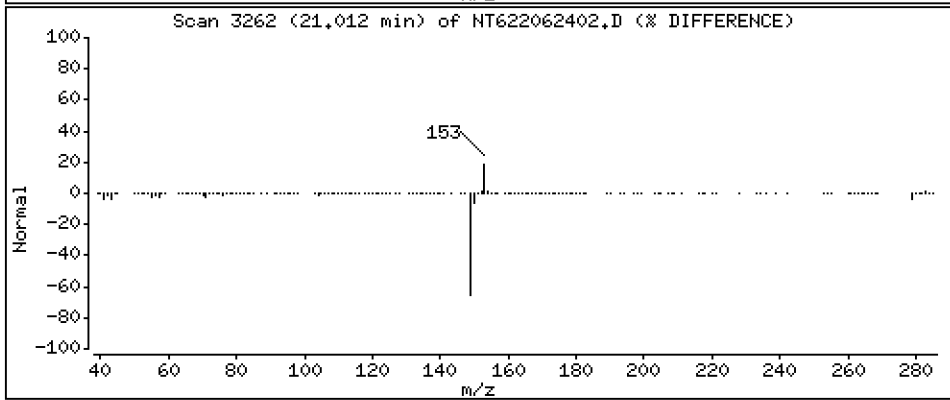
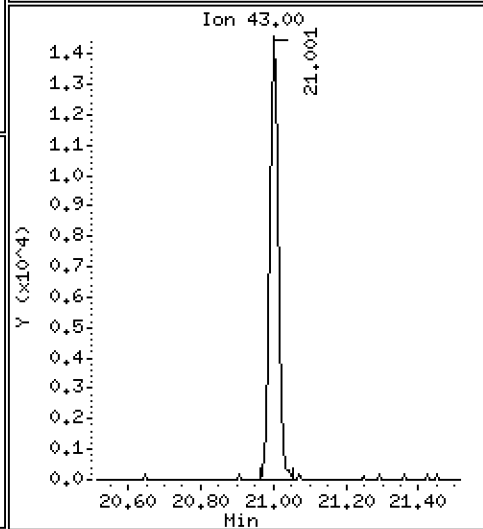
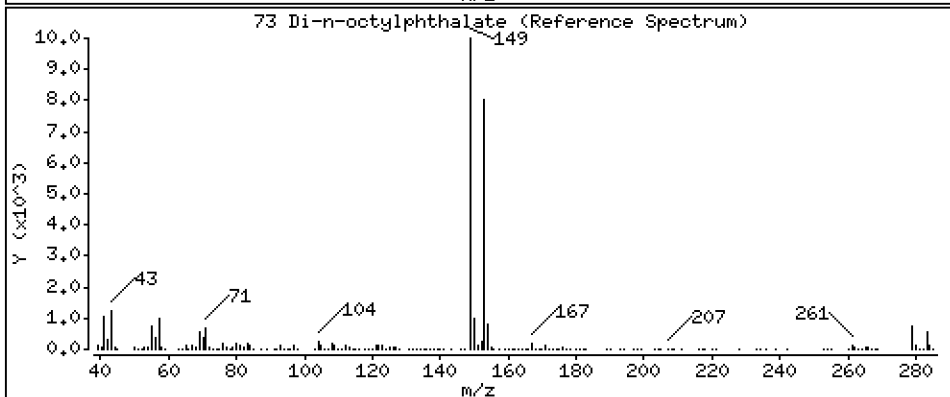
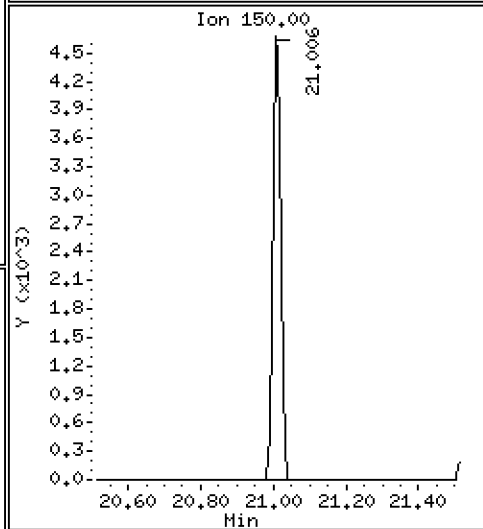
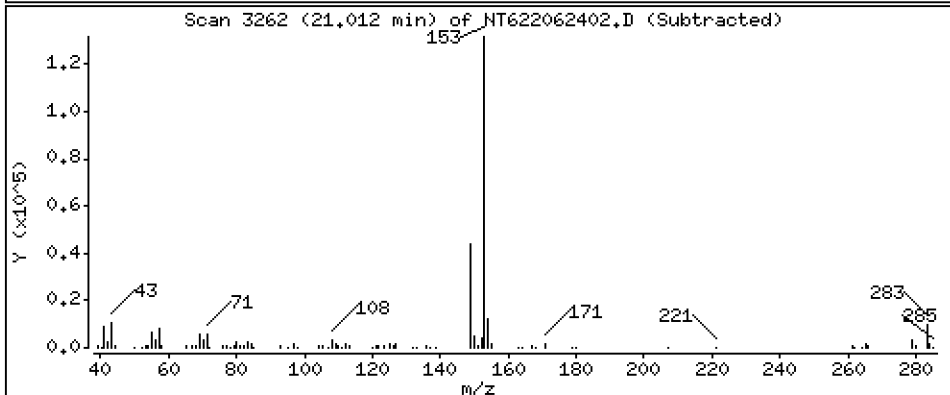
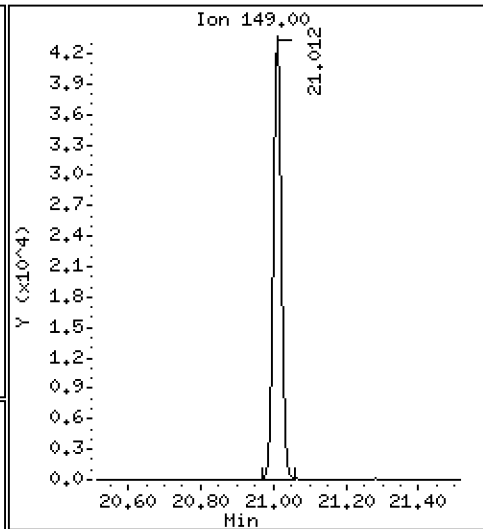
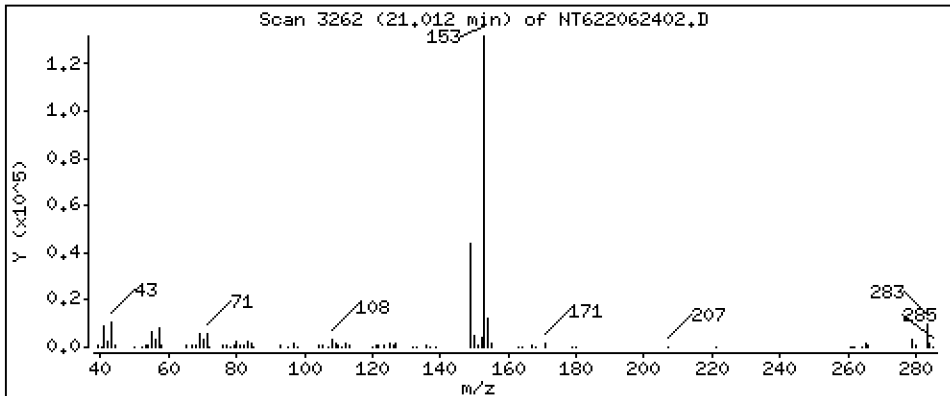
Operator: JZ

Column phase: ZB-5msi

Column diameter: 0.32

73 Di-n-octylphthalate

Concentration: 5.094 ug/mL



Date : 24-JUN-2022 10:59

Client ID:

Instrument: nt6.i

Sample Info: LCV220624

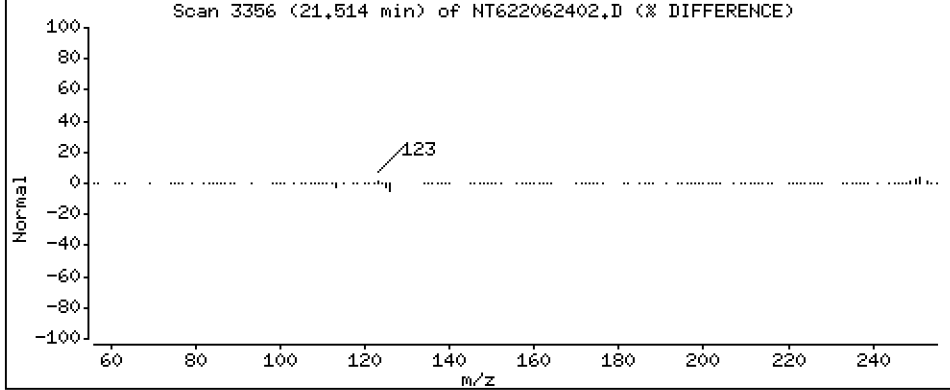
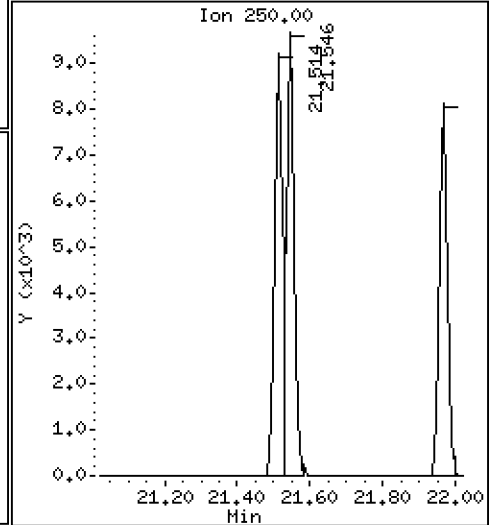
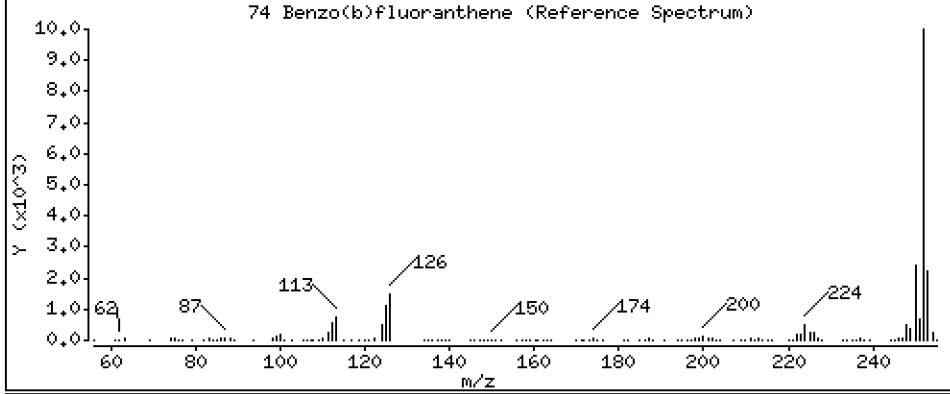
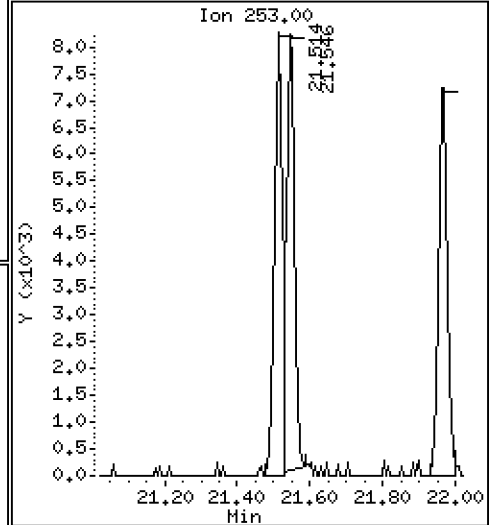
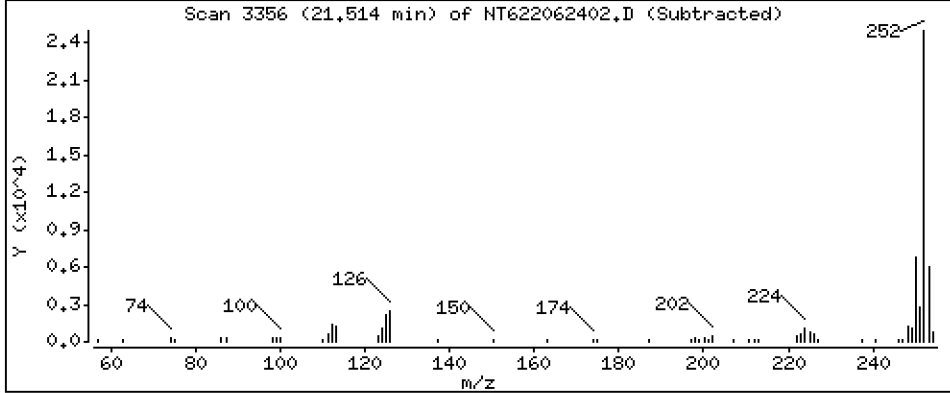
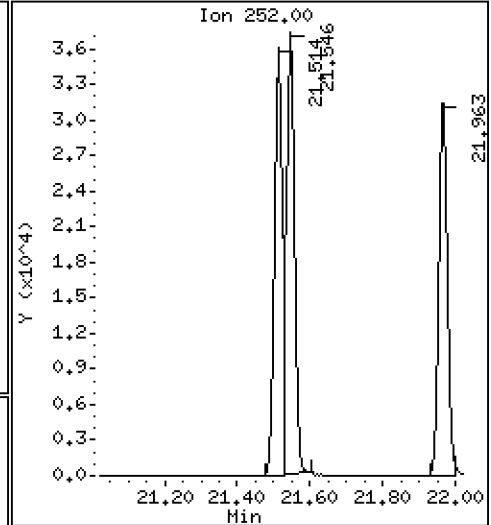
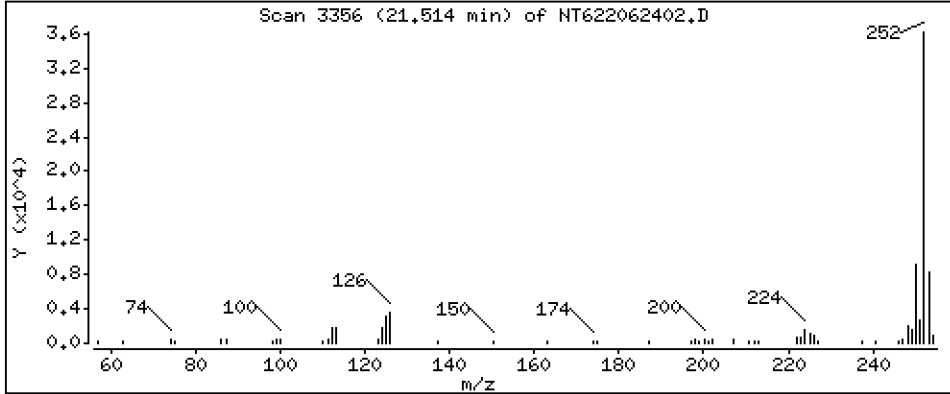
Operator: JZ

Column phase: ZB-5msi

Column diameter: 0.32

74 Benzo(b)fluoranthene

Concentration: 5.003 ug/mL



Date : 24-JUN-2022 10:59

Client ID:

Instrument: nt6.i

Sample Info: LCV220624

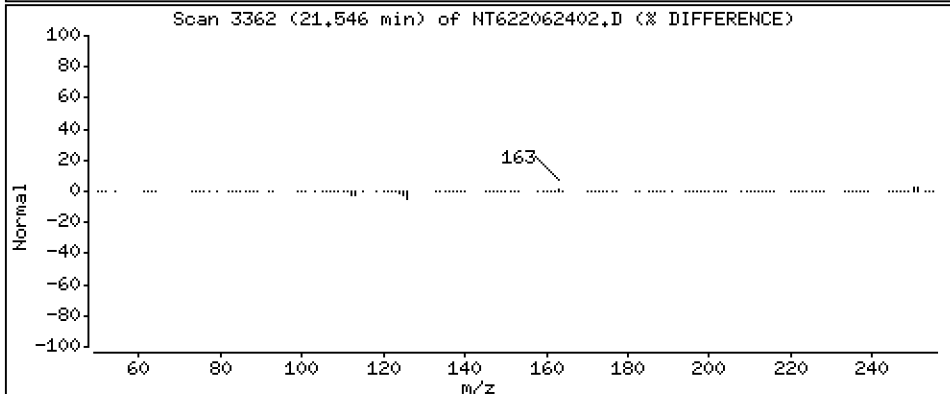
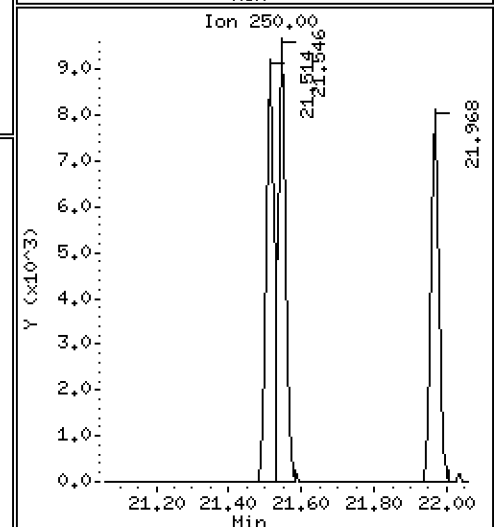
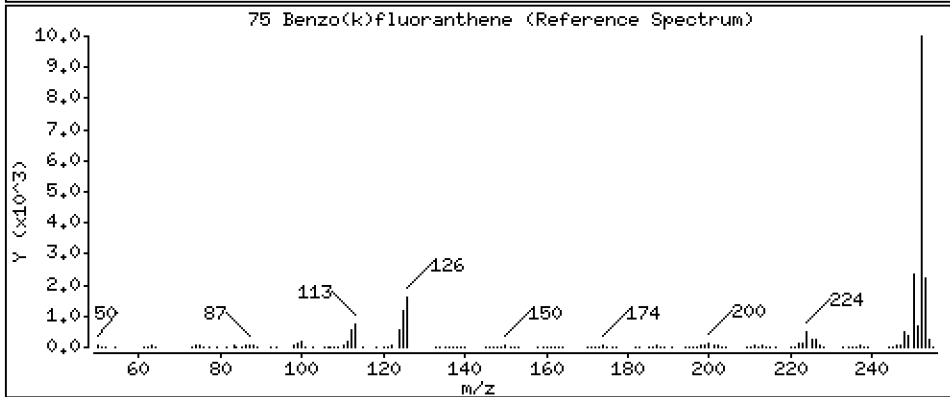
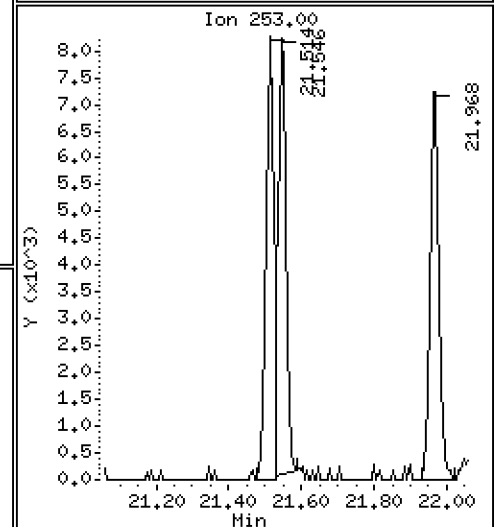
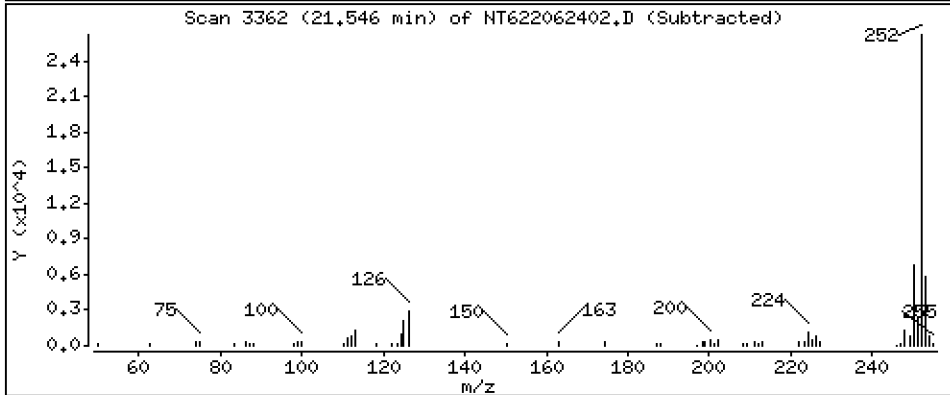
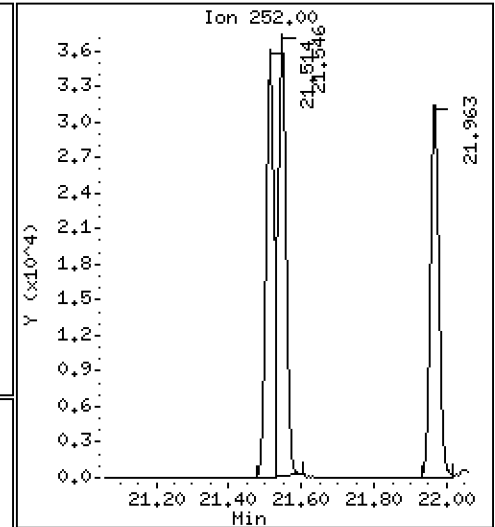
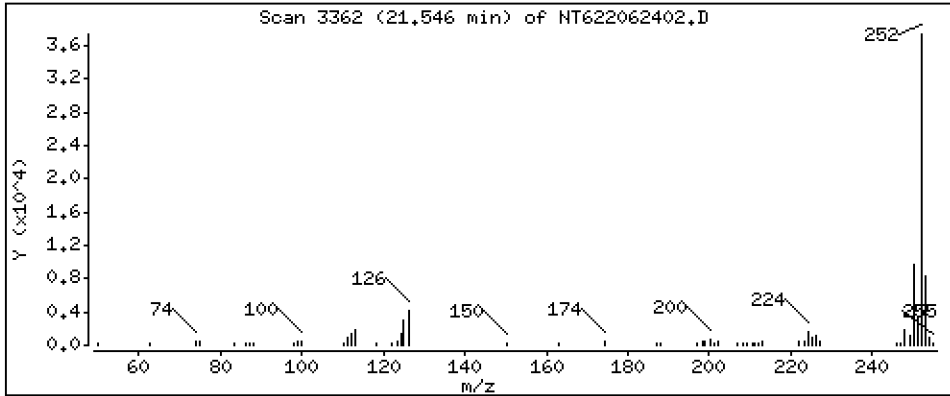
Operator: JZ

Column phase: ZB-5msi

Column diameter: 0.32

75 Benzo(k)fluoranthene

Concentration: 5.261 ug/mL



Date : 24-JUN-2022 10:59

Client ID:

Instrument: nt6.i

Sample Info: LCV220624

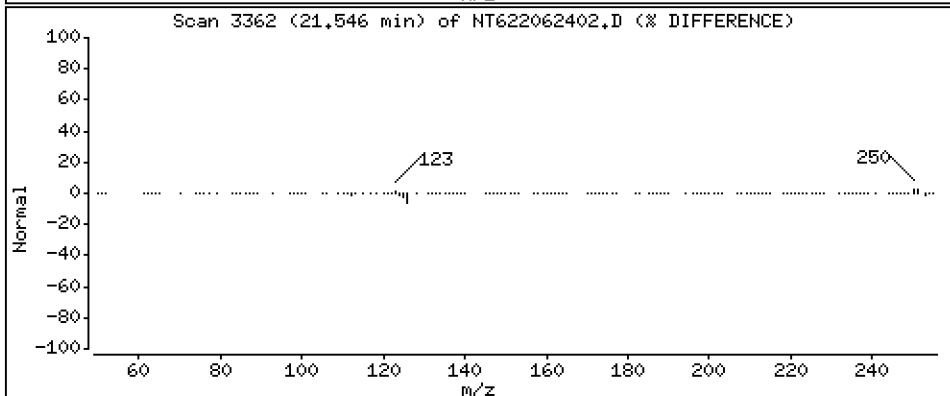
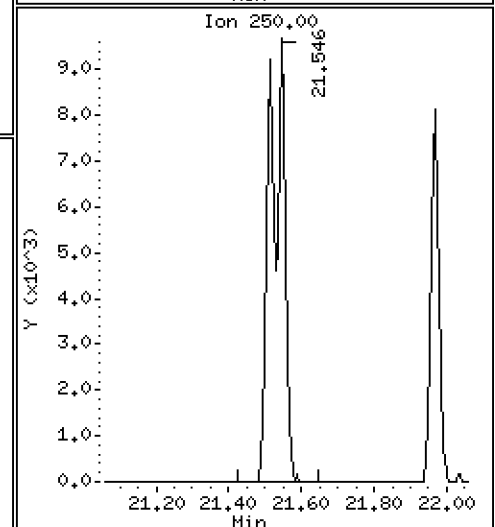
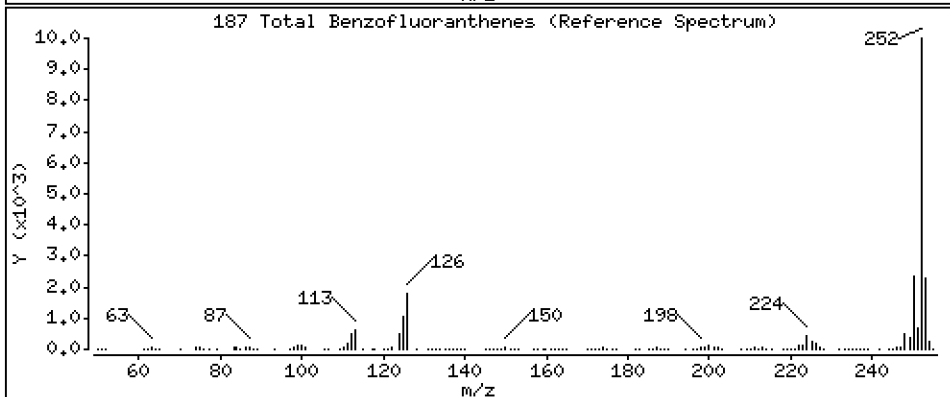
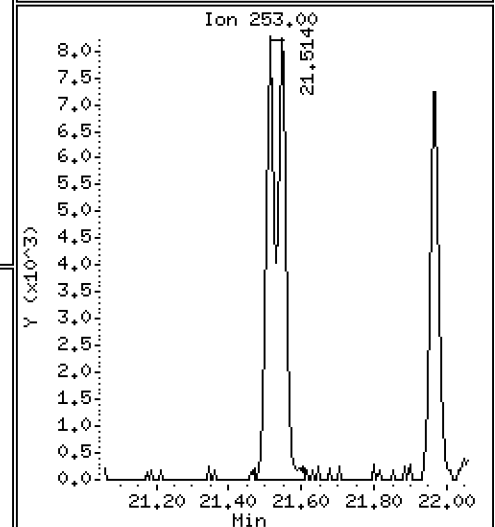
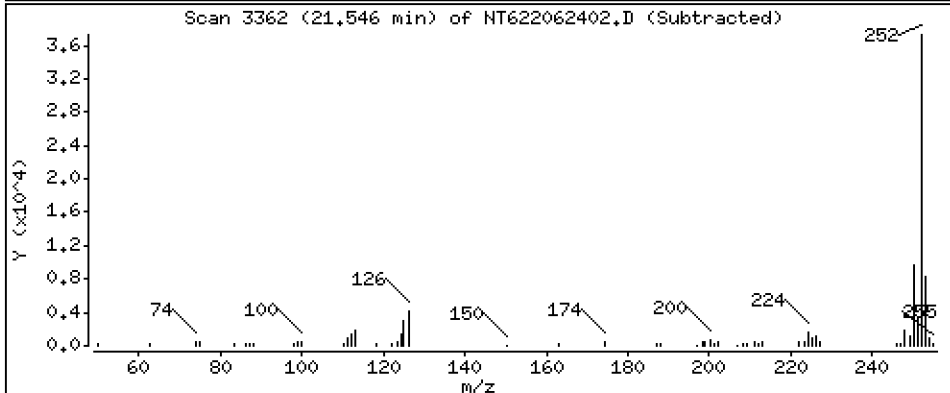
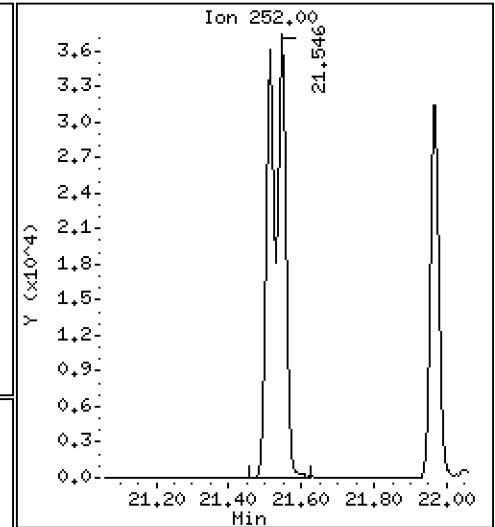
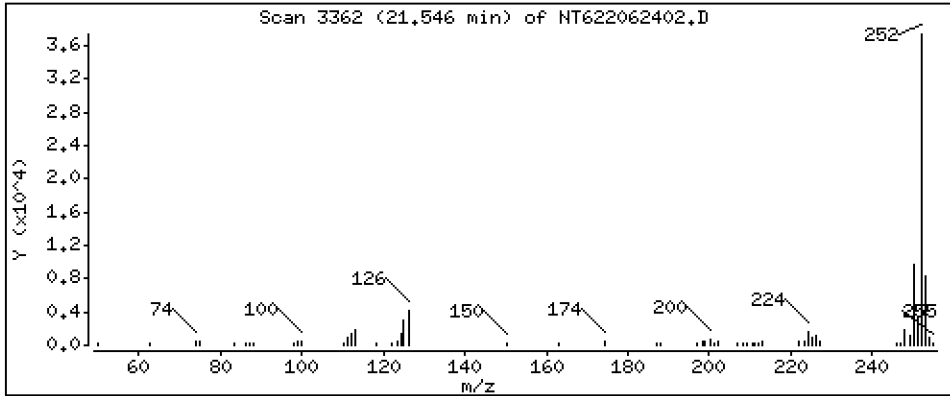
Operator: JZ

Column phase: ZB-5msi

Column diameter: 0.32

187 Total Benzofluoranthenes

Concentration: 10.36 ug/mL



Date : 24-JUN-2022 10:59

Client ID:

Instrument: nt6.i

Sample Info: LCV220624

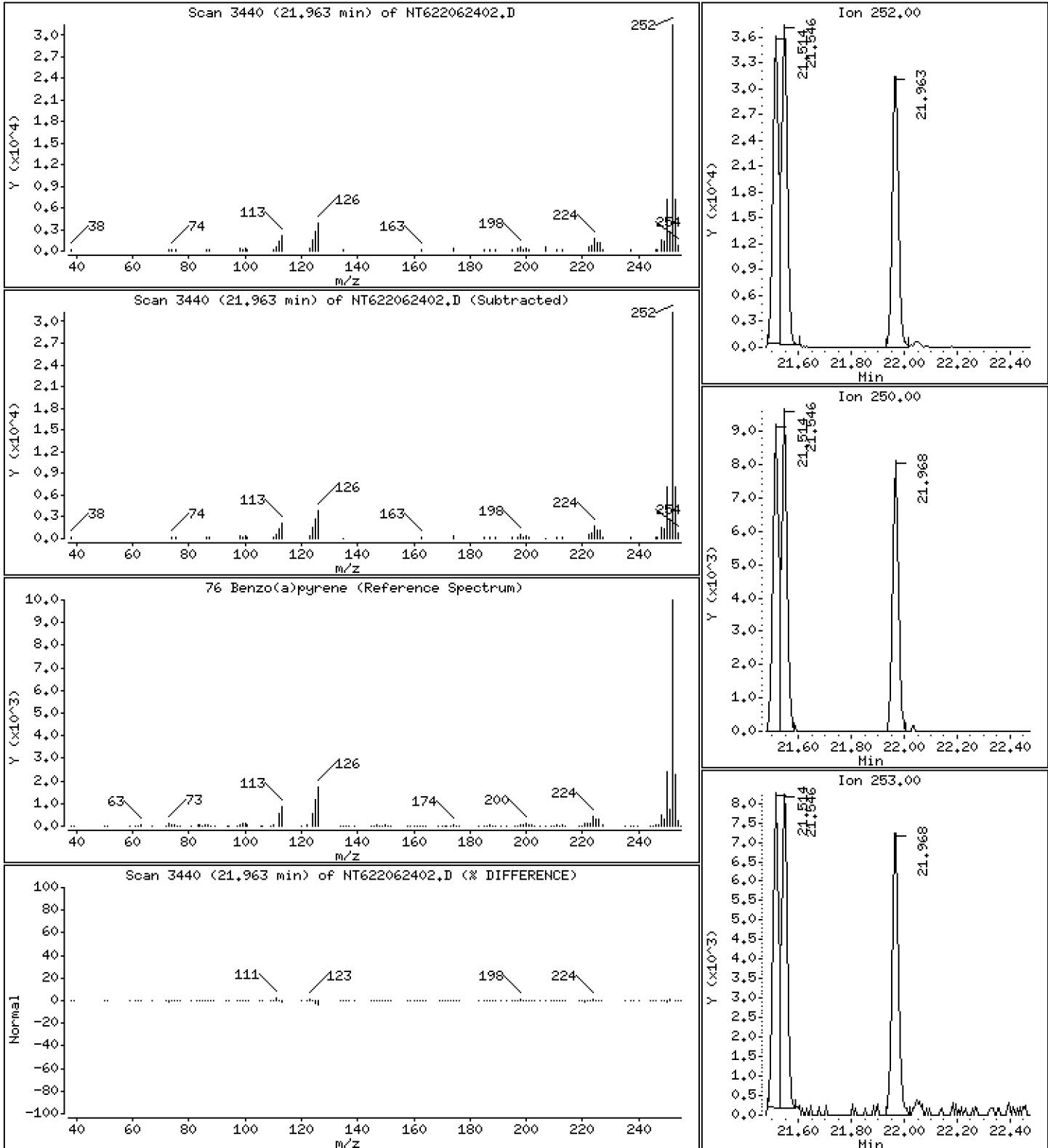
Operator: JZ

Column phase: ZB-5msi

Column diameter: 0.32

76 Benzo(a)pyrene

Concentration: 4.901 ug/mL



Date : 24-JUN-2022 10:59

Client ID:

Instrument: nt6.i

Sample Info: LCV220624

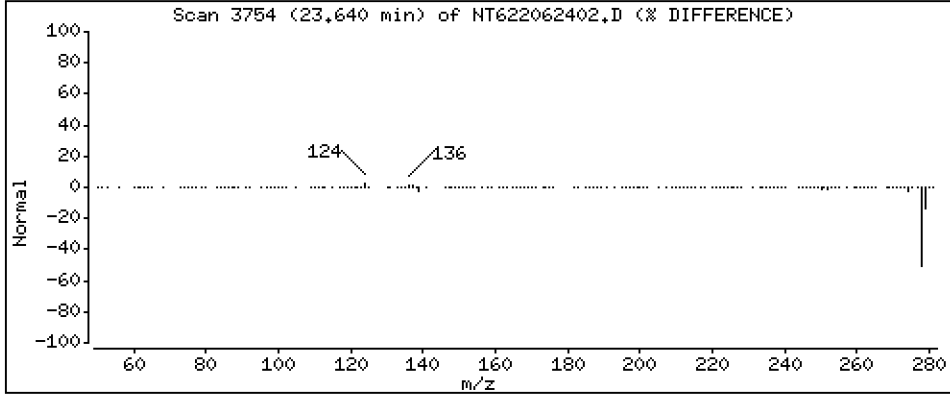
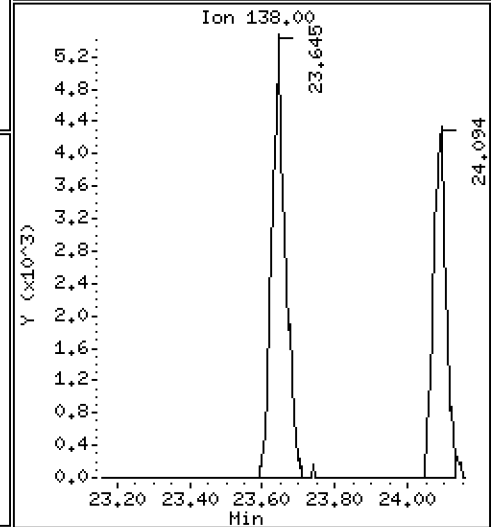
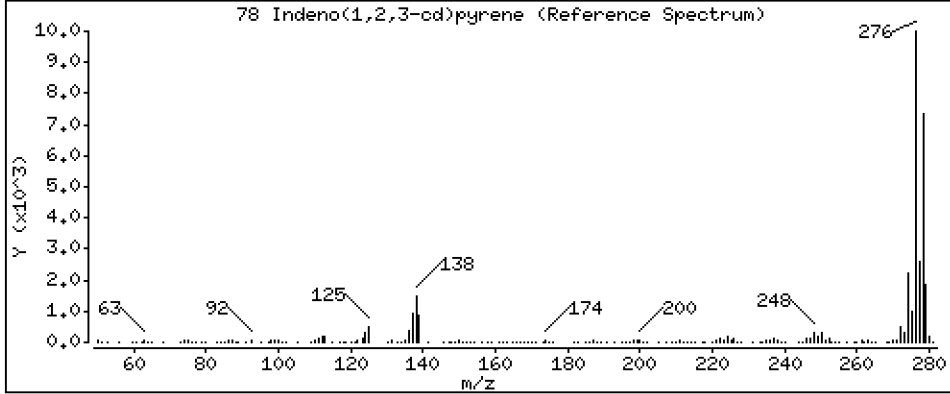
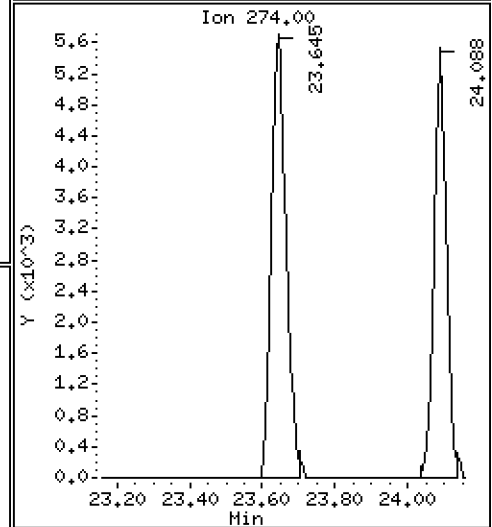
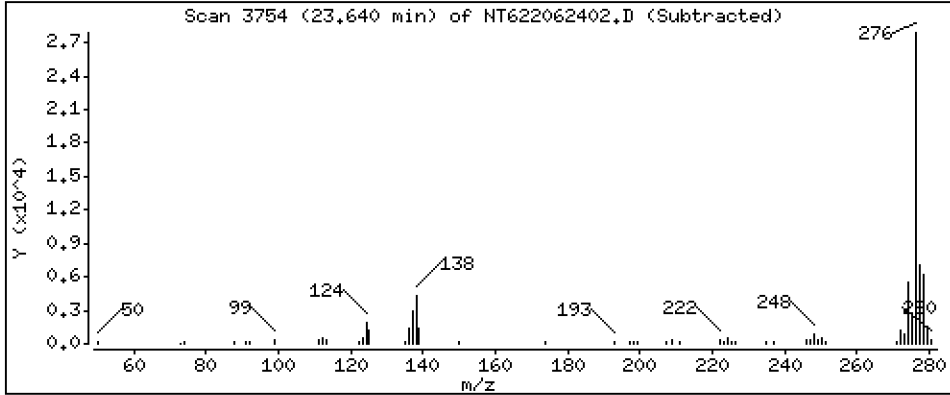
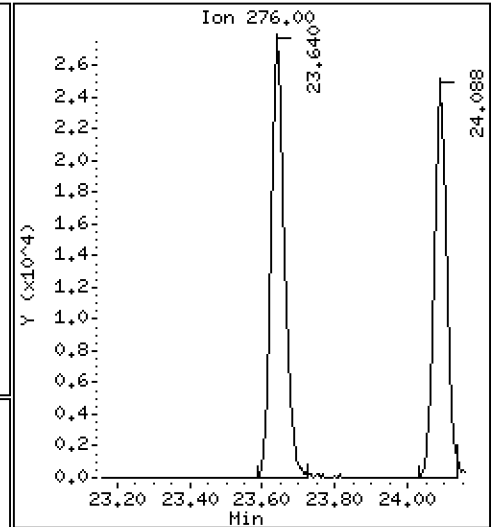
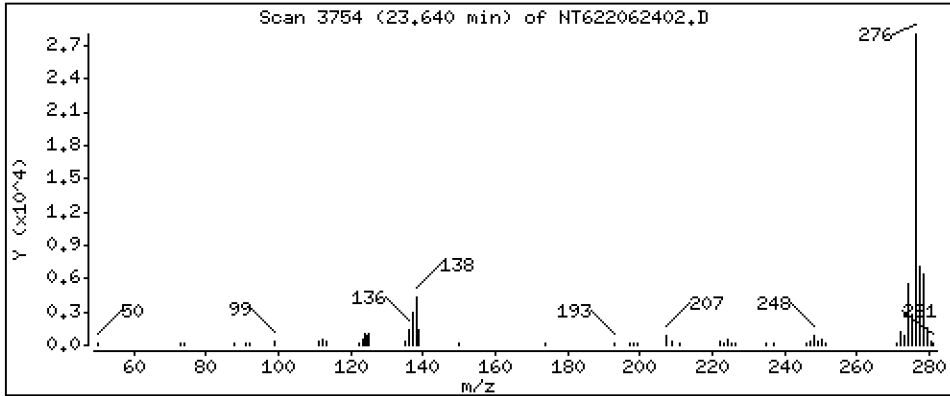
Operator: JZ

Column phase: ZB-5msi

Column diameter: 0.32

78 Indeno(1,2,3-cd)pyrene

Concentration: 4.631 ug/mL



Date : 24-JUN-2022 10:59

Client ID:

Instrument: nt6.i

Sample Info: LCV220624

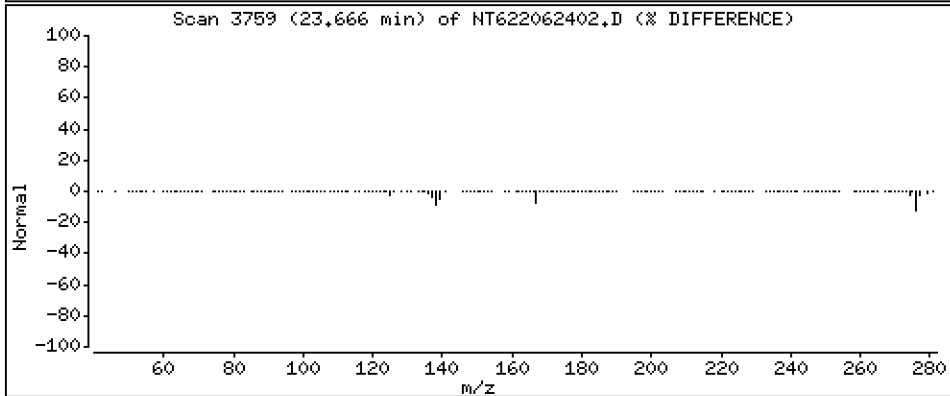
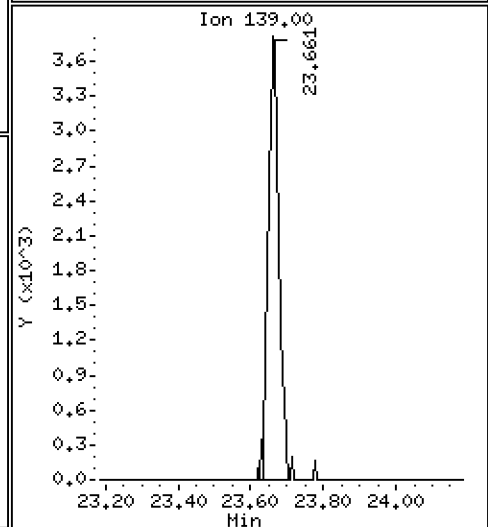
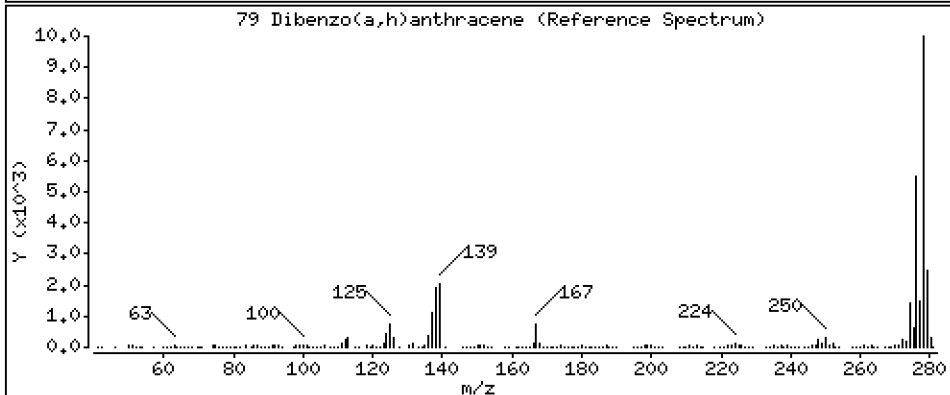
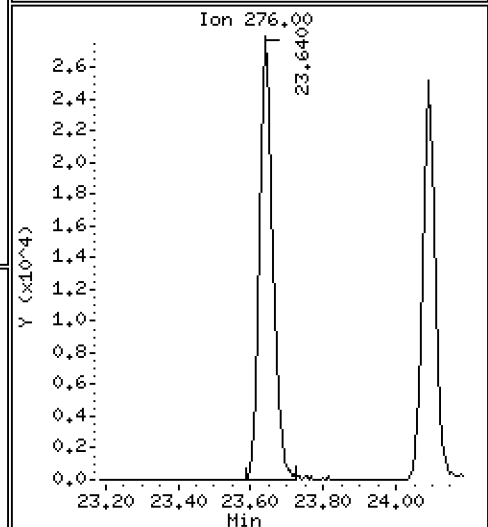
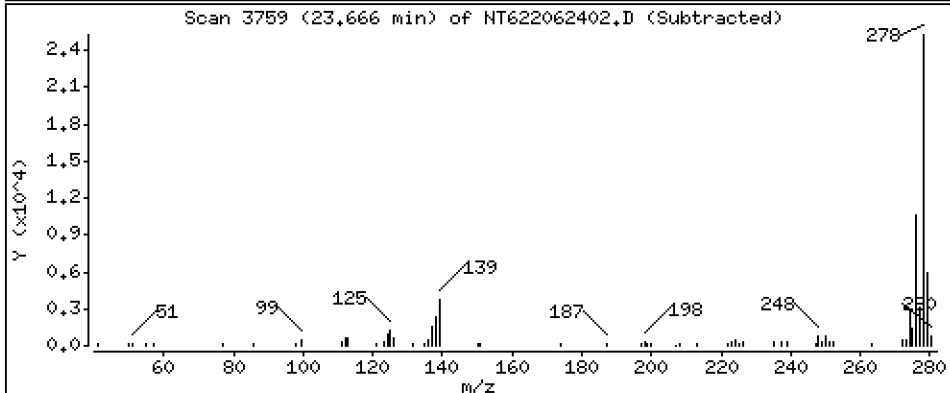
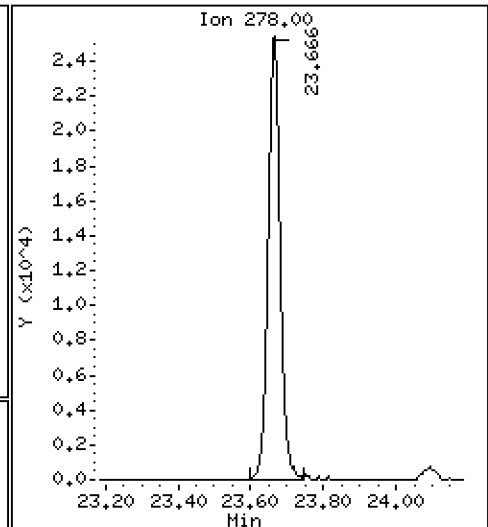
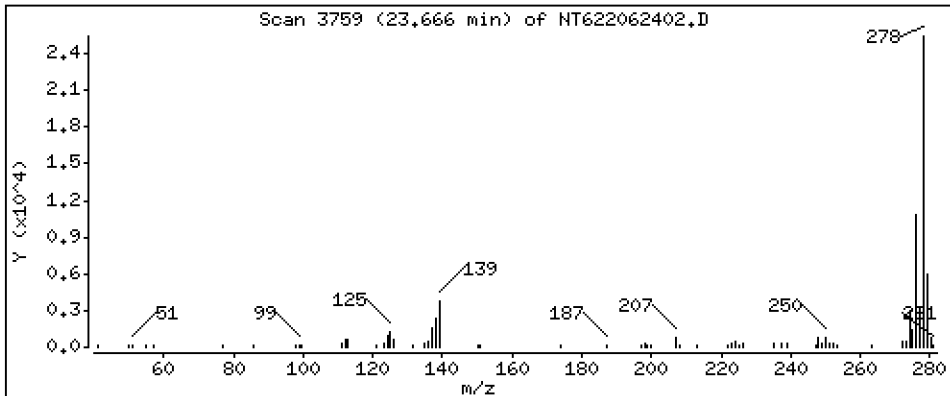
Operator: JZ

Column phase: ZB-5msi

Column diameter: 0,32

79 Dibenzo(a,h)anthracene

Concentration: 4,560 ug/mL



Date : 24-JUN-2022 10:59

Client ID:

Instrument: nt6.i

Sample Info: LCV220624

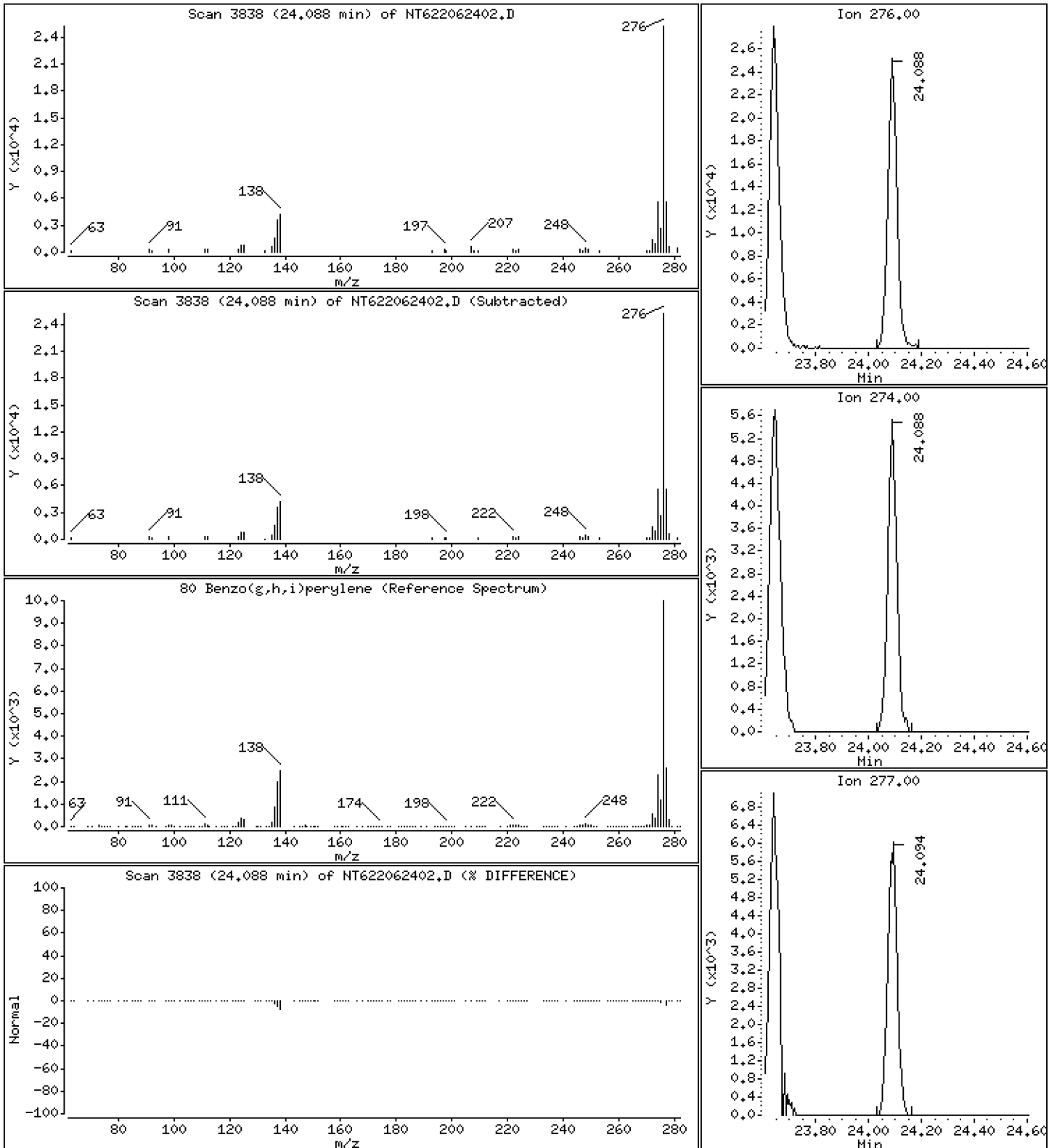
Operator: JZ

Column phase: ZB-5msi

Column diameter: 0.32

80 Benzo(g,h,i)perylene

Concentration: 4.569 ug/mL



Date : 24-JUN-2022 10:59

Client ID:

Instrument: nt6.i

Sample Info: LCV220624

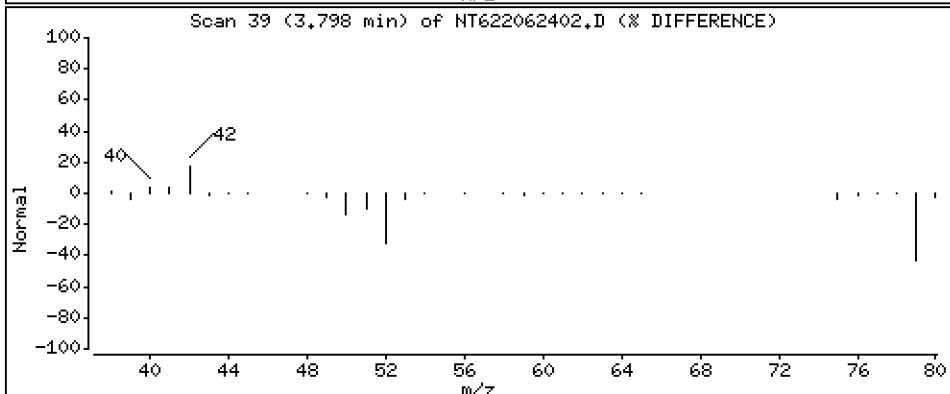
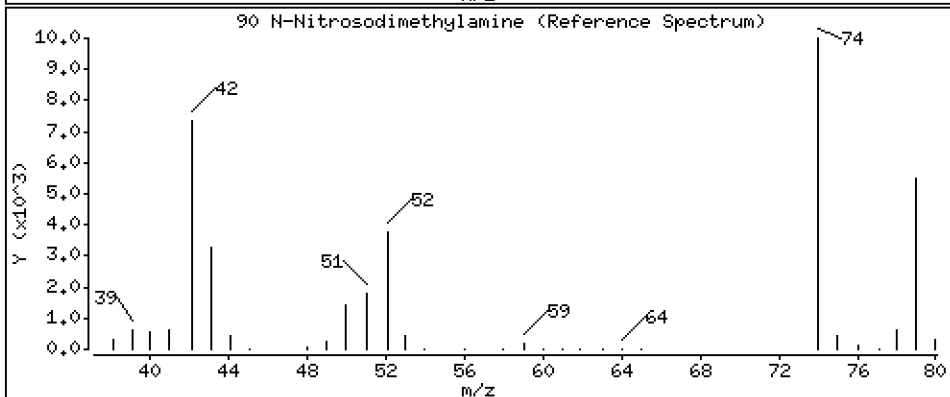
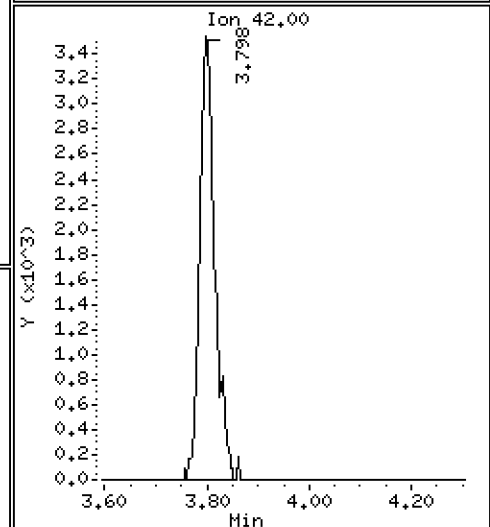
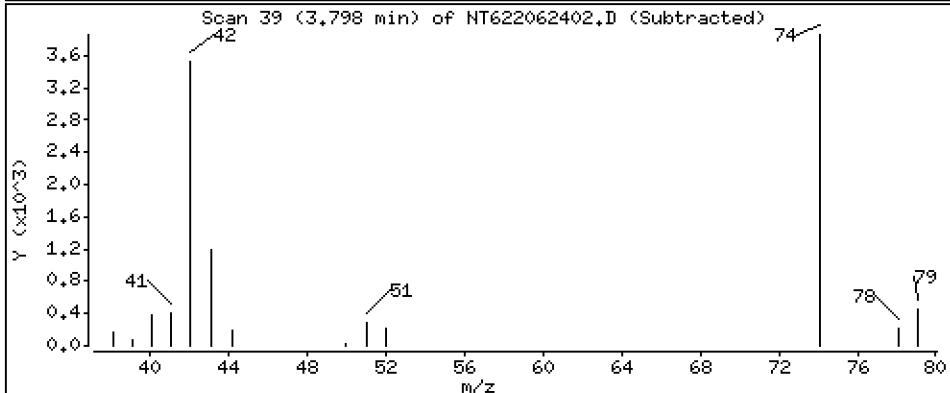
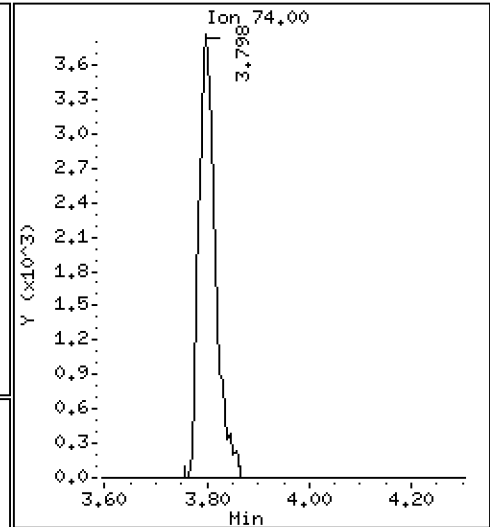
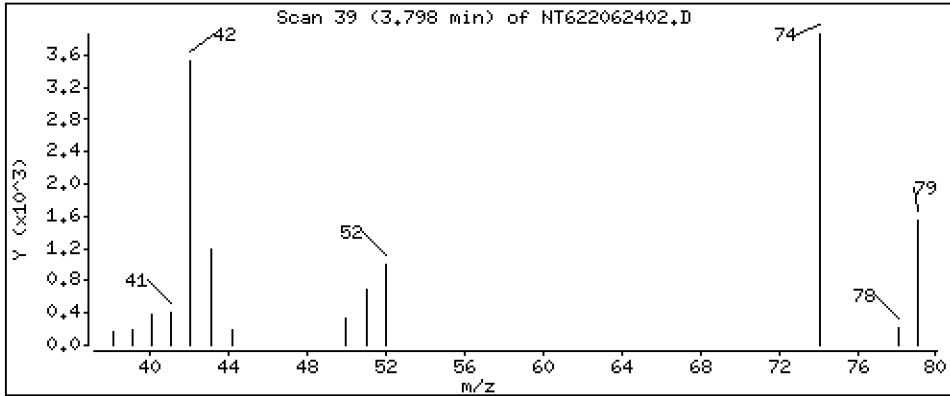
Operator: JZ

Column phase: ZB-5msi

Column diameter: 0.32

90 N-Nitrosodimethylamine

Concentration: 5.209 ug/mL



Date : 24-JUN-2022 10:59

Client ID:

Instrument: nt6.i

Sample Info: LCV220624

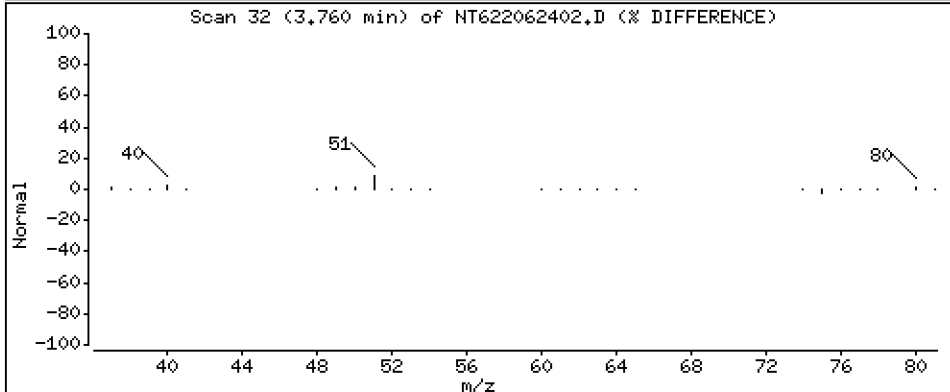
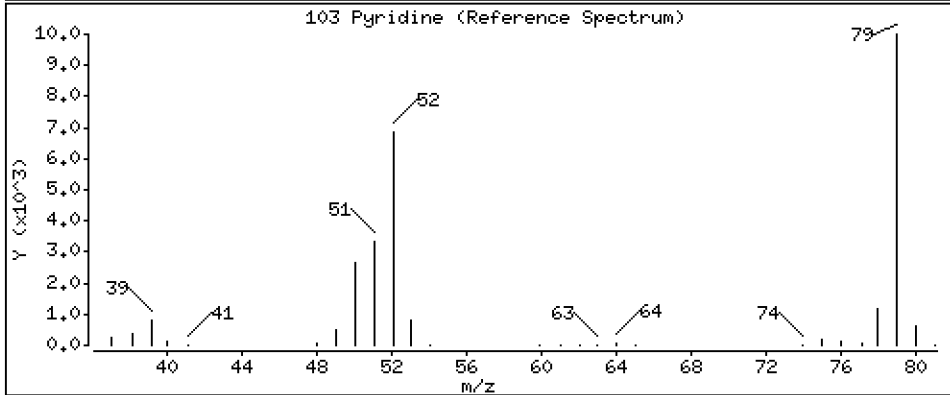
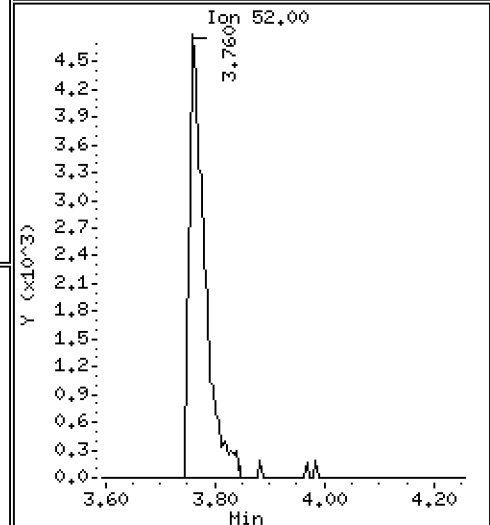
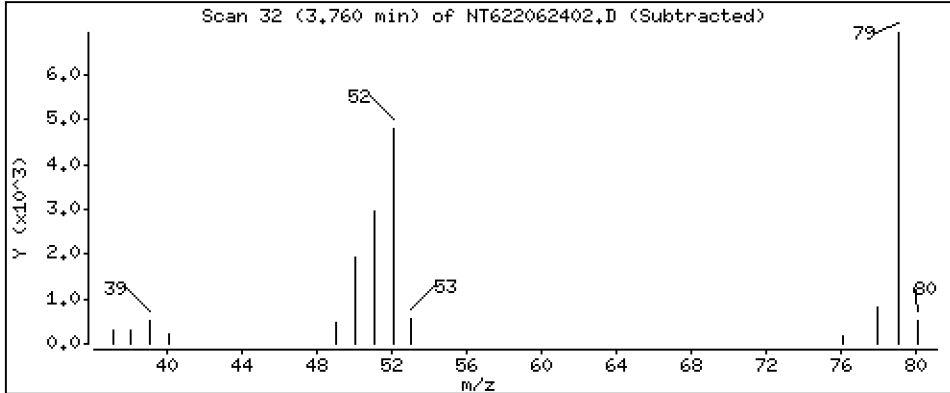
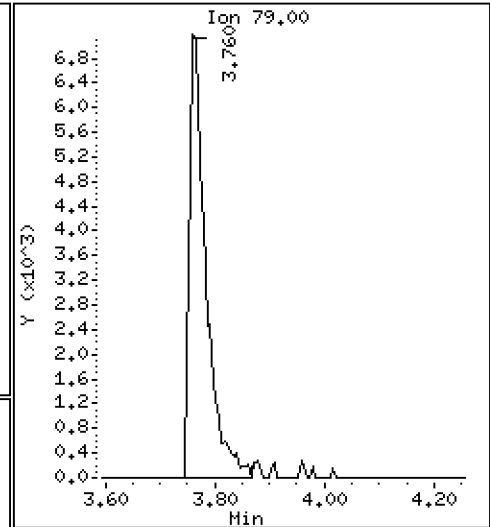
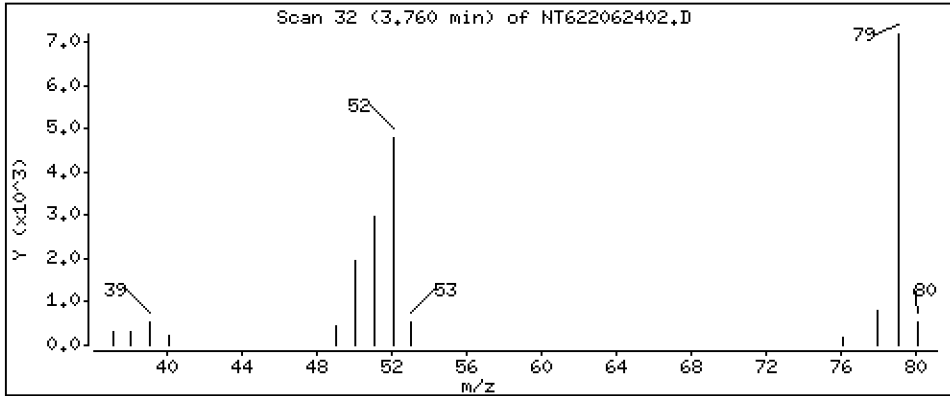
Operator: JZ

Column phase: ZB-5msi

Column diameter: 0.32

103 Pyridine

Concentration: 4.831 ug/mL



Date : 24-JUN-2022 10:59

Client ID:

Instrument: nt6.i

Sample Info: LCV220624

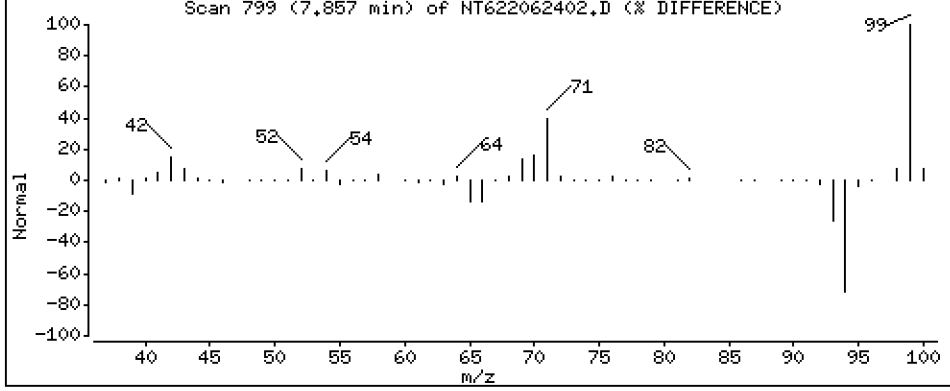
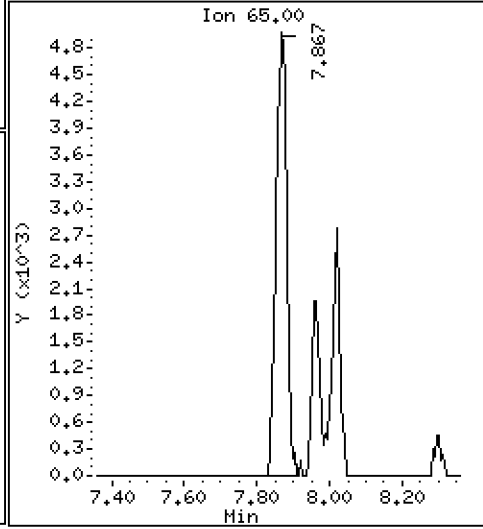
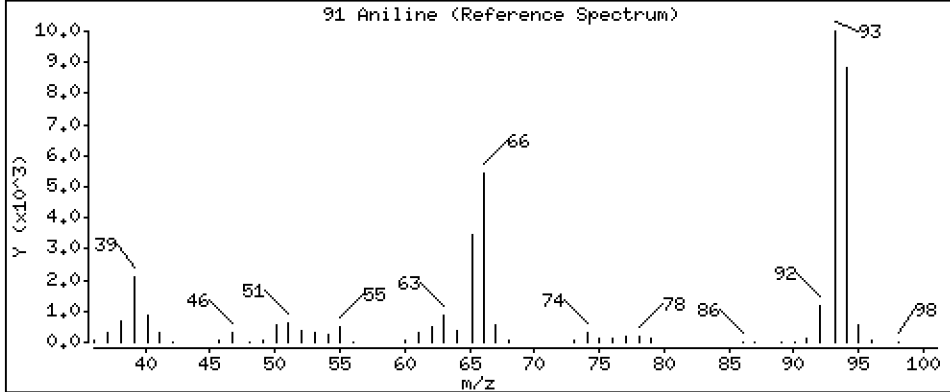
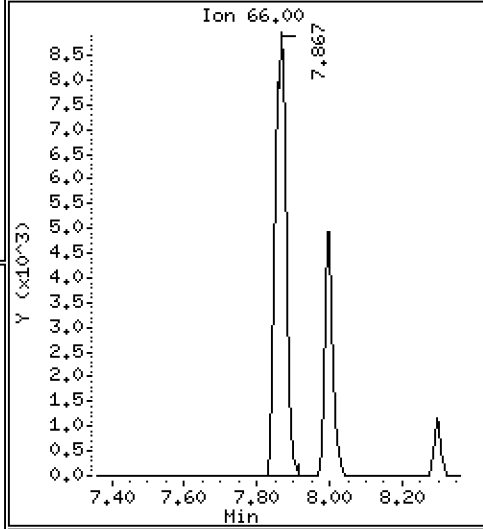
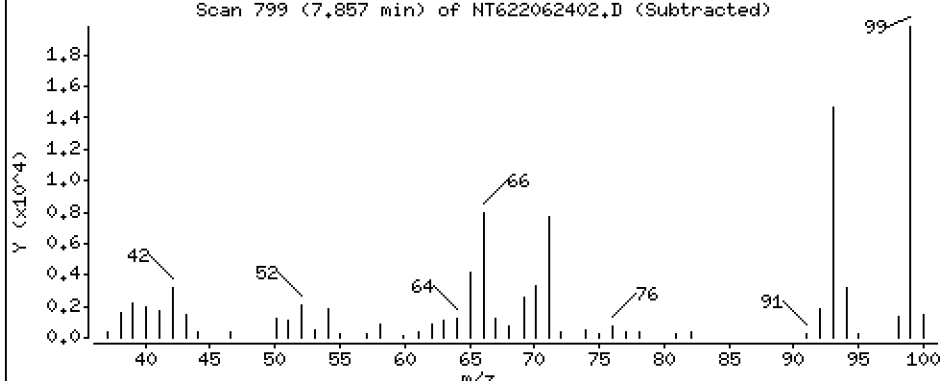
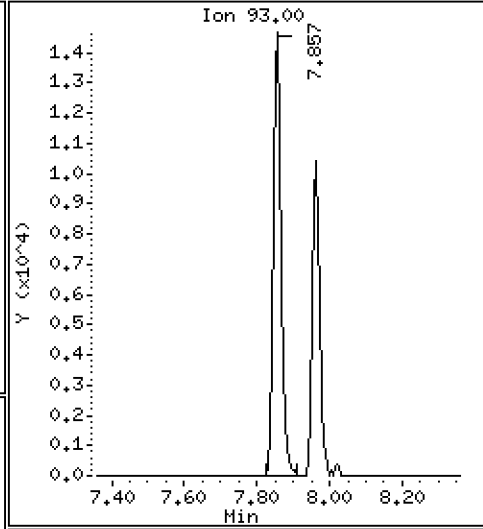
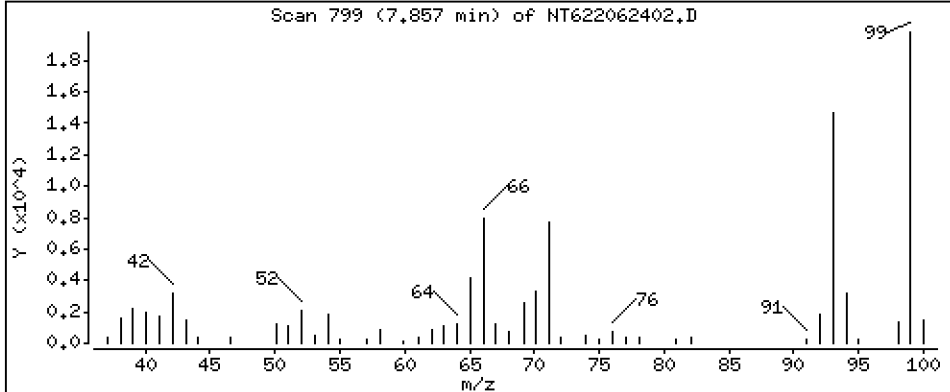
Operator: JZ

Column phase: ZB-5msi

Column diameter: 0.32

91 Aniline

Concentration: 4.428 ug/mL



Date : 24-JUN-2022 10:59

Client ID:

Instrument: nt6.i

Sample Info: LCV220624

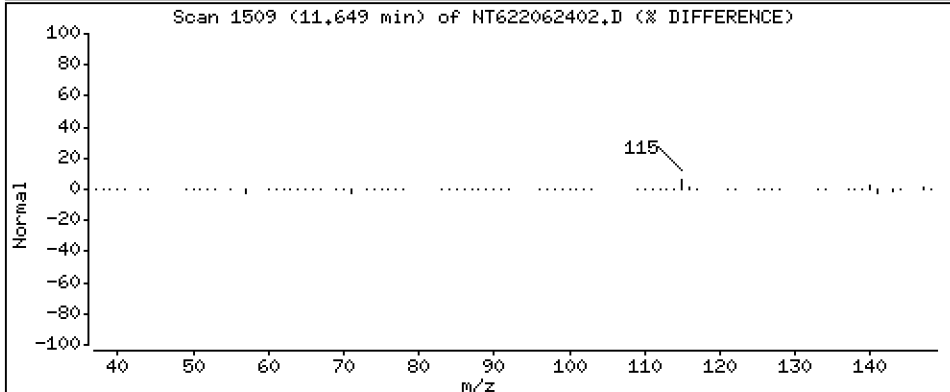
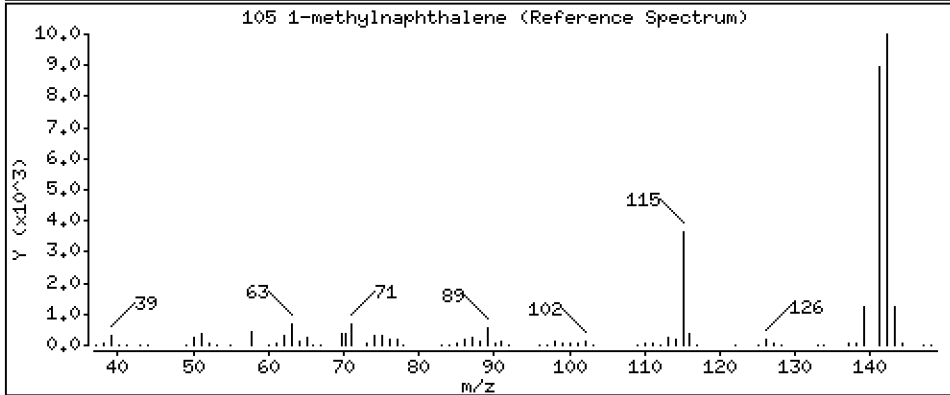
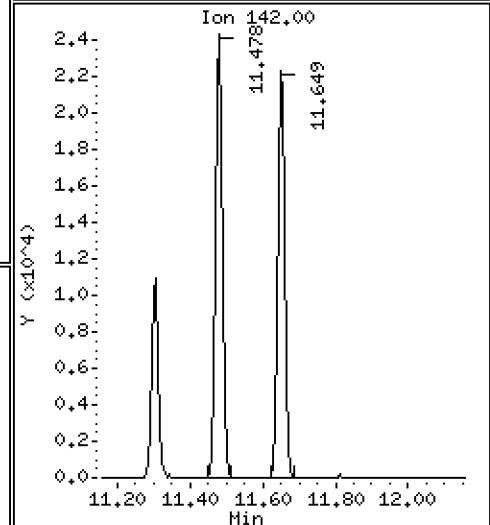
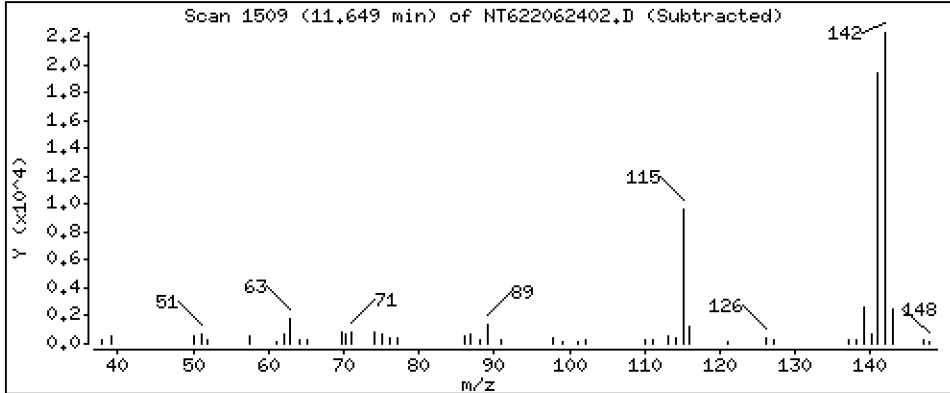
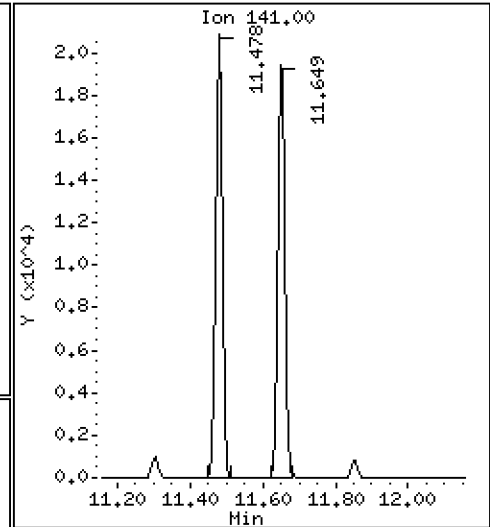
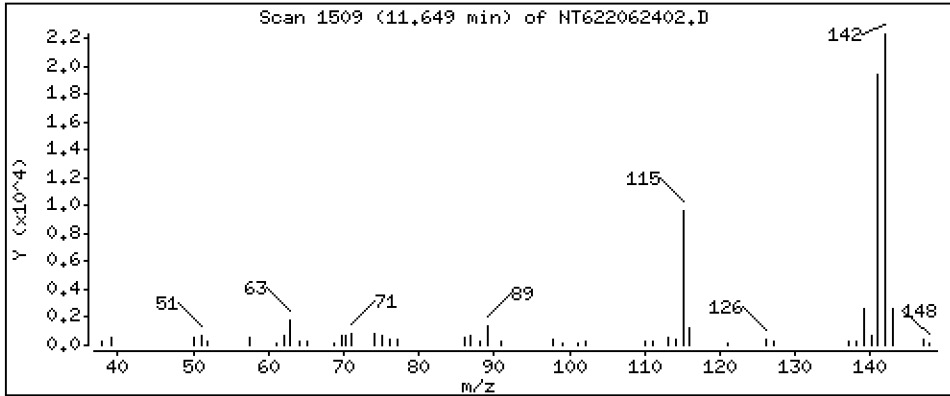
Operator: JZ

Column phase: ZB-5msi

Column diameter: 0.32

105 1-methylnaphthalene

Concentration: 4.999 ug/mL



Date : 24-JUN-2022 10:59

Client ID:

Instrument: nt6.i

Sample Info: LCV220624

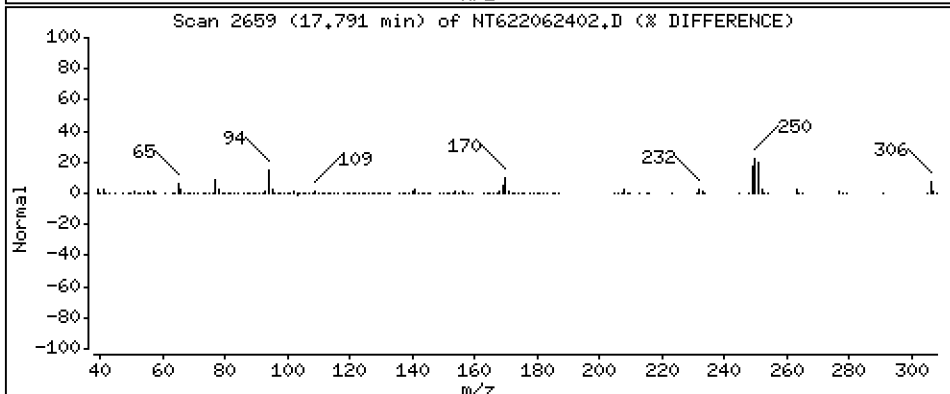
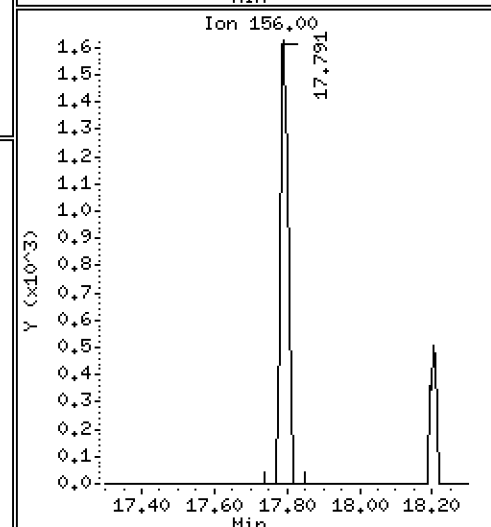
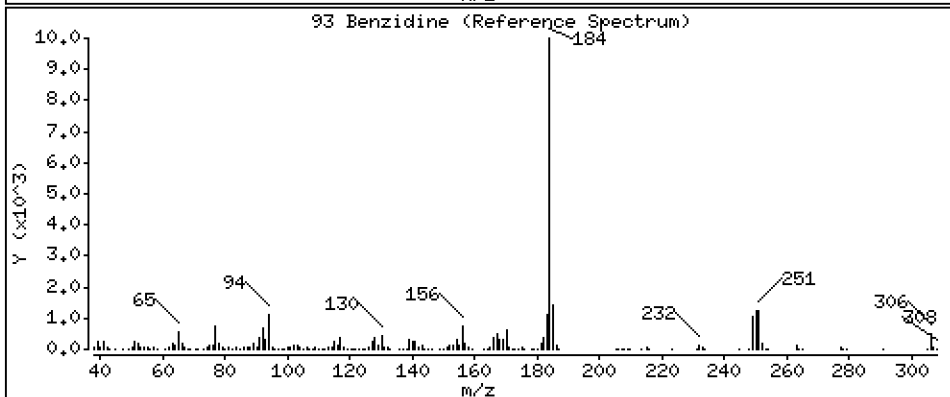
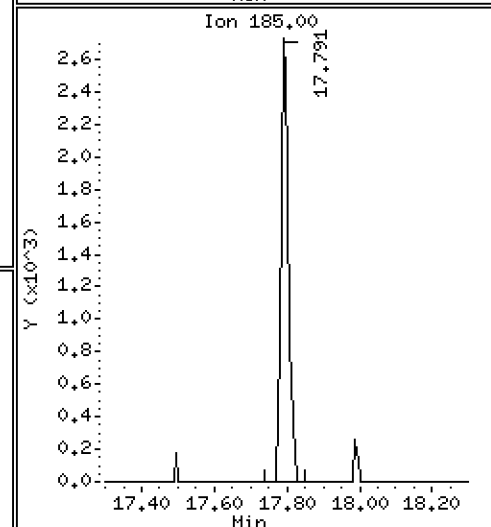
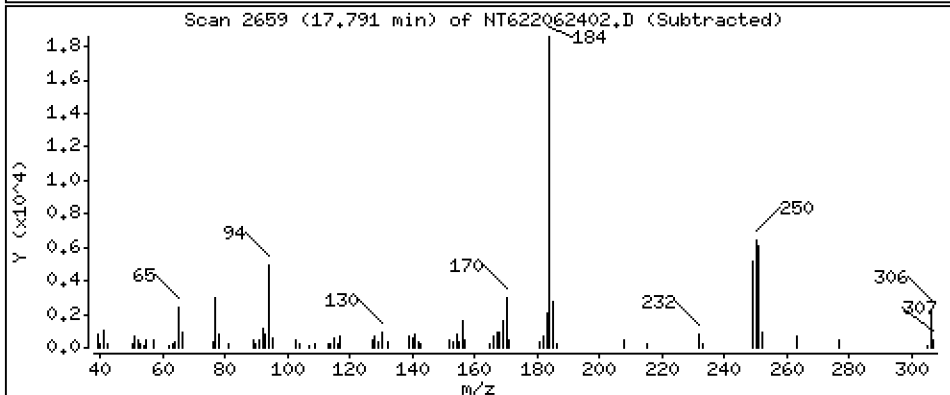
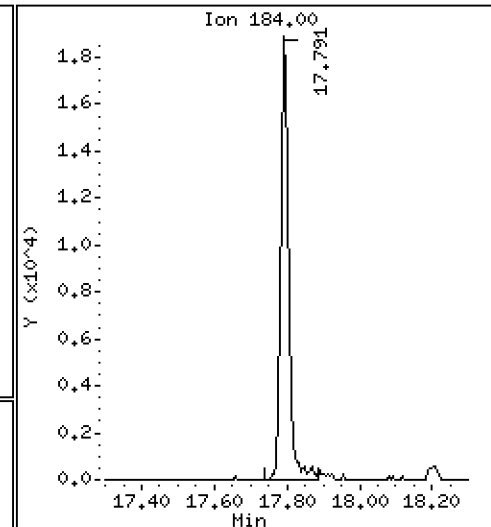
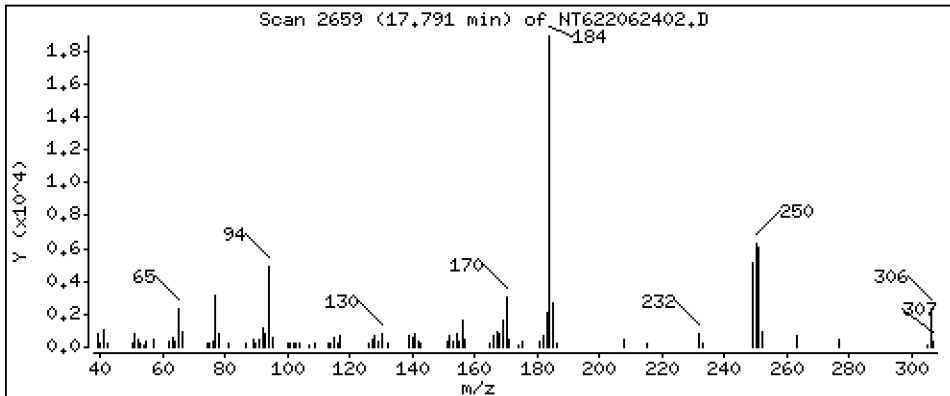
Operator: JZ

Column phase: ZB-5msi

Column diameter: 0.32

Concentration: 7,740 ug/mL

93 Benzidine



Date : 24-JUN-2022 10:59

Client ID:

Instrument: nt6.i

Sample Info: LCV220624

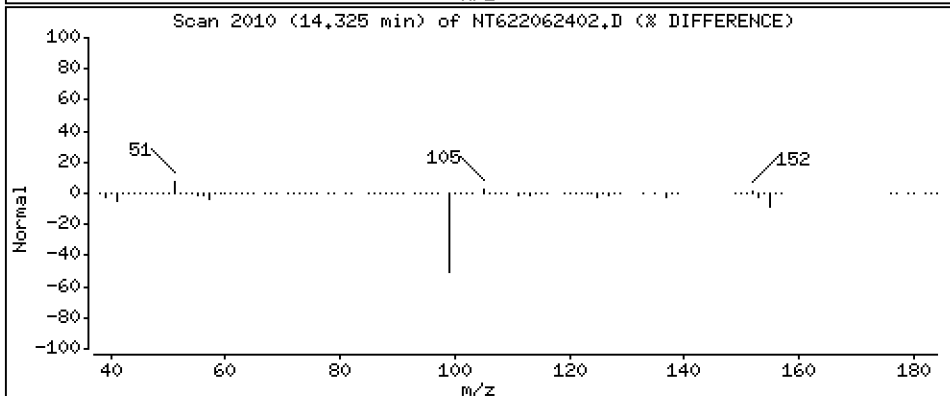
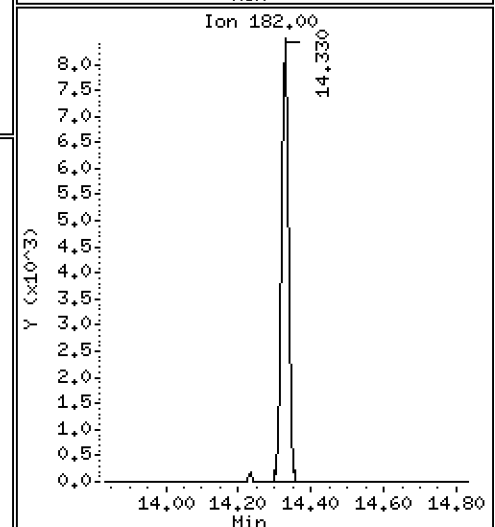
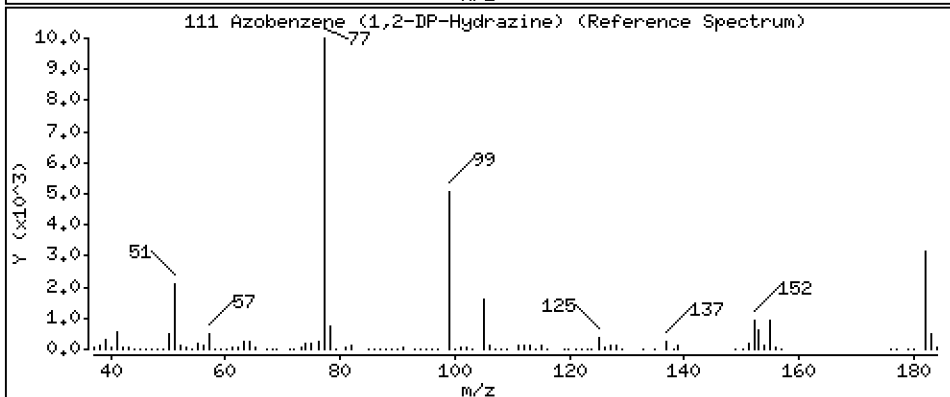
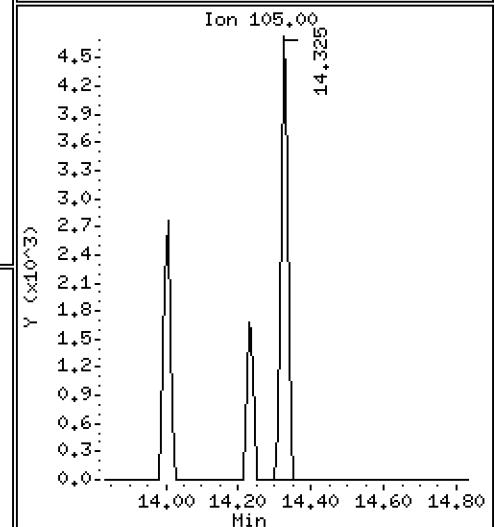
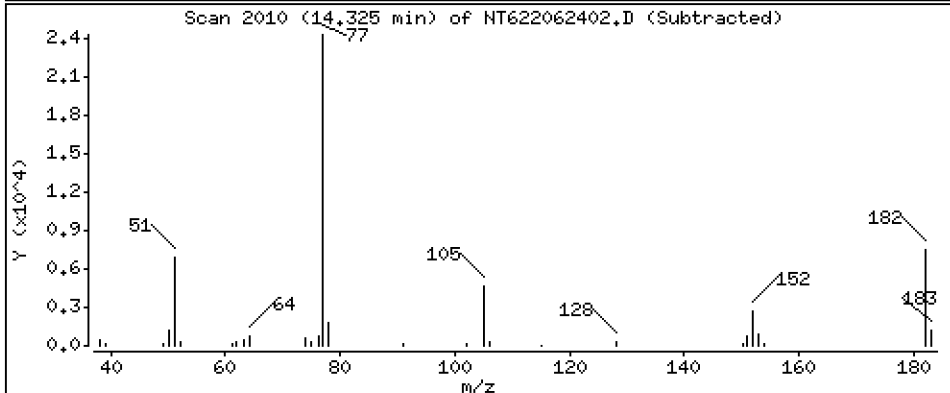
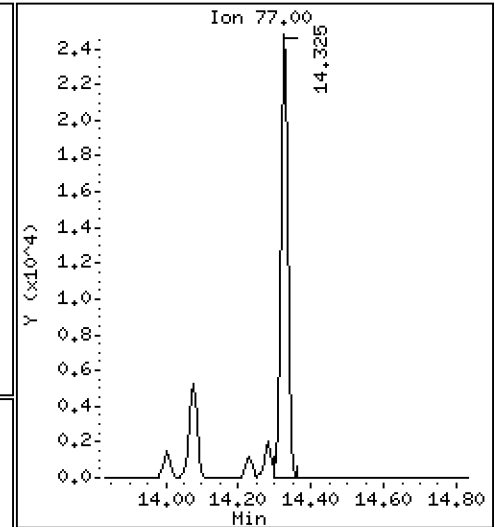
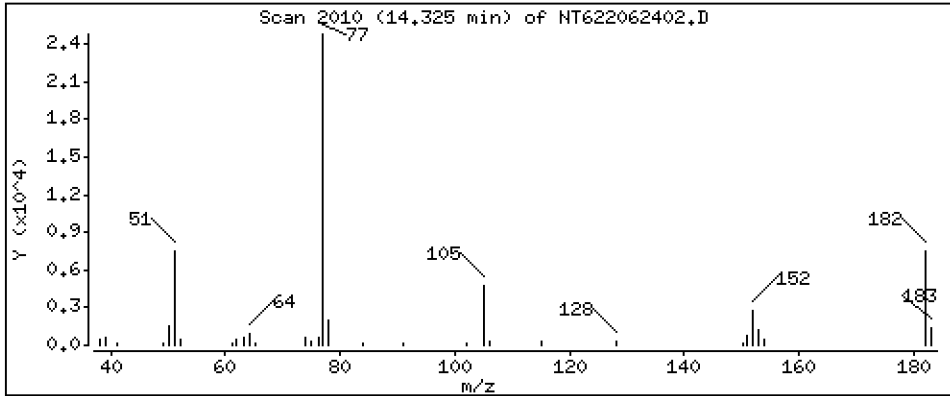
Operator: JZ

Column phase: ZB-5msi

Column diameter: 0.32

111 Azobenzene (1,2-DP-Hydrazine)

Concentration: 4.946 ug/mL



Date : 24-JUN-2022 10:59

Client ID:

Instrument: nt6.i

Sample Info: LCV220624

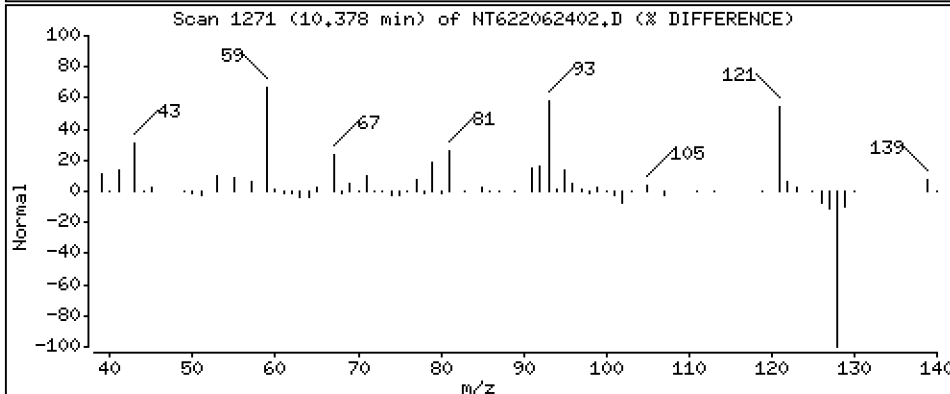
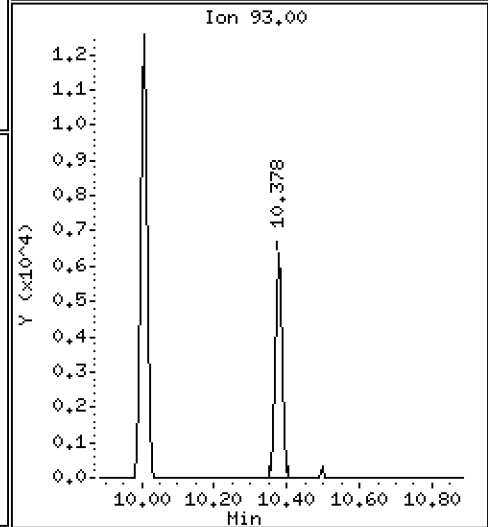
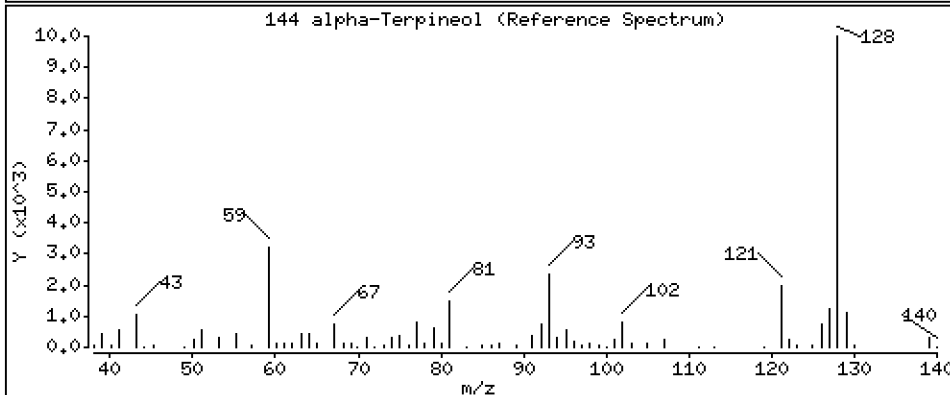
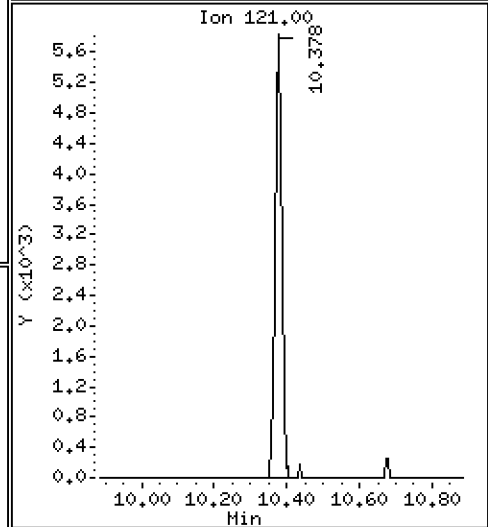
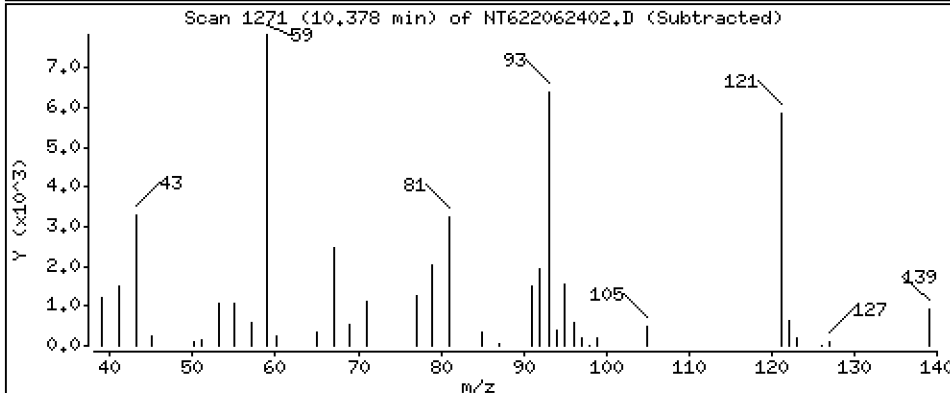
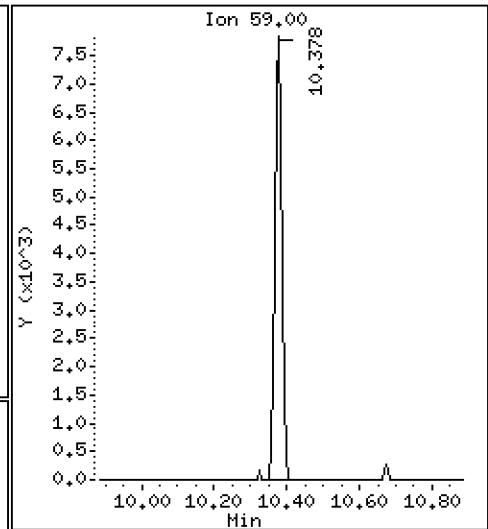
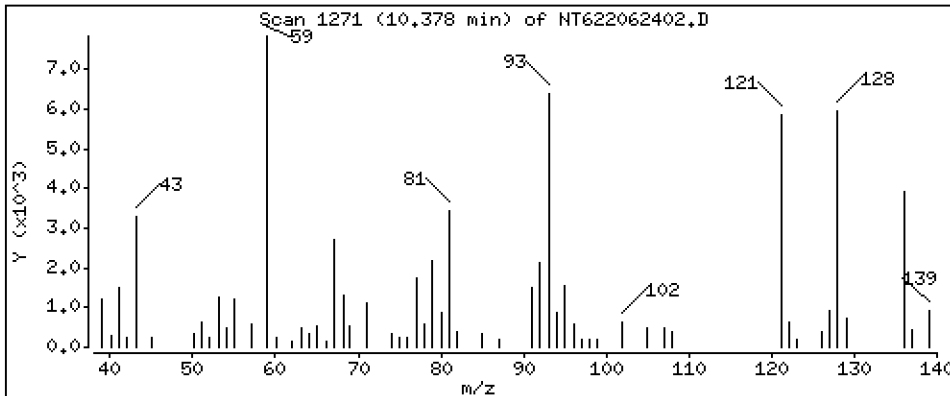
Operator: JZ

Column phase: ZB-5msi

Column diameter: 0.32

144 alpha-Terpineol

Concentration: 5.217 ug/mL



Date : 24-JUN-2022 10:59

Client ID:

Instrument: nt6.i

Sample Info: LCV220624

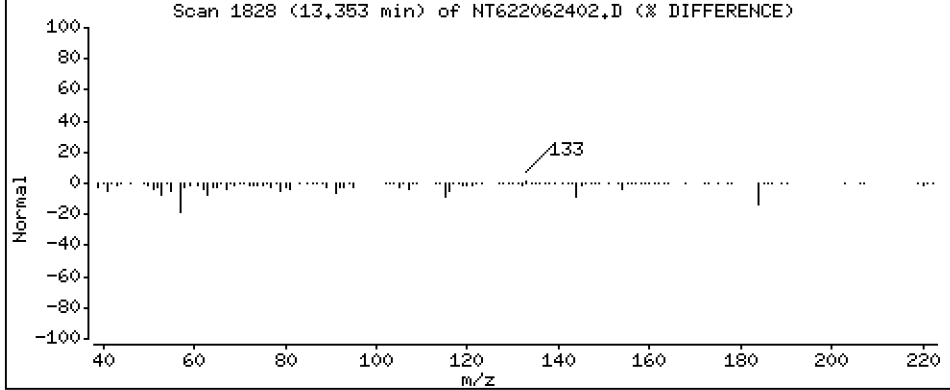
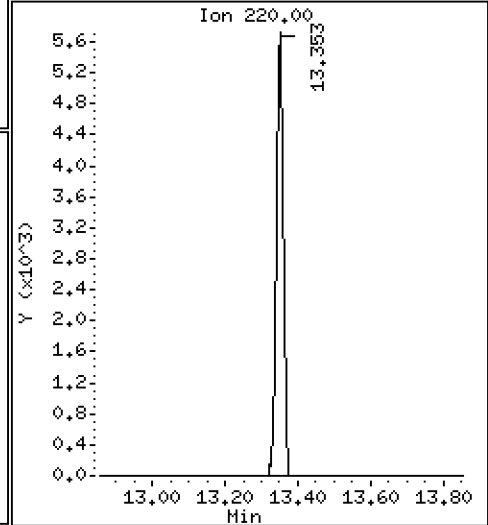
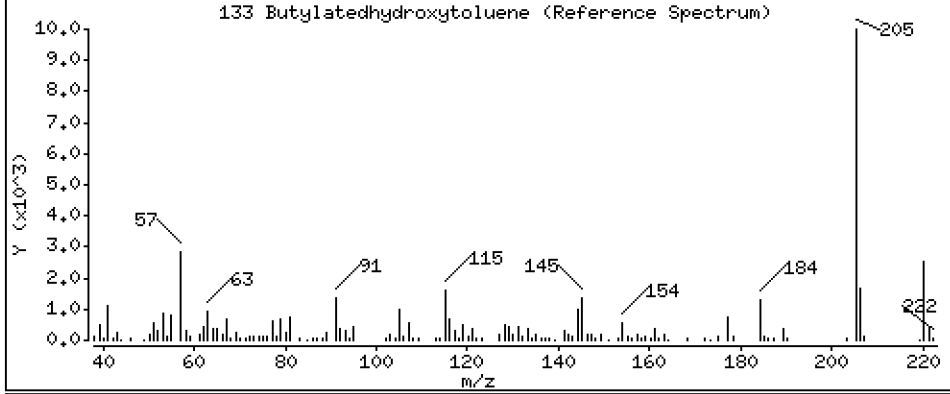
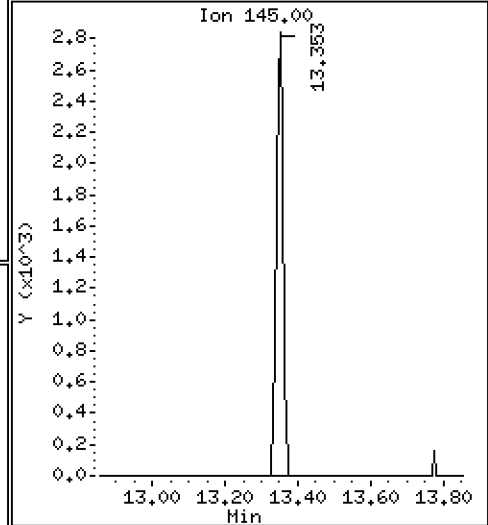
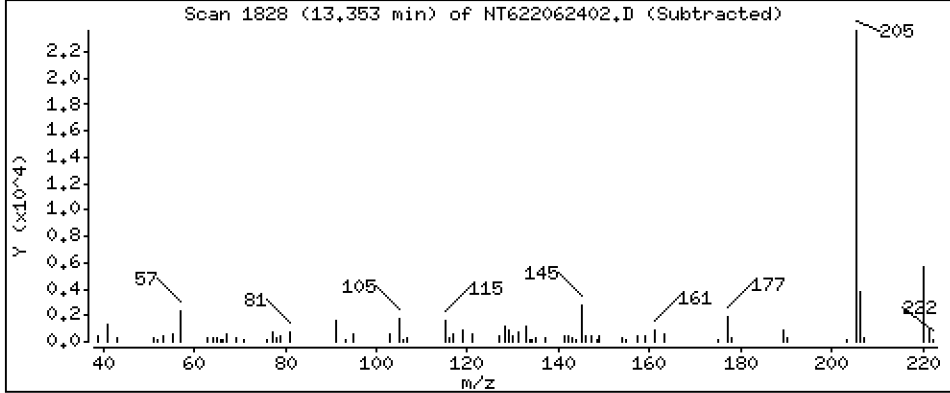
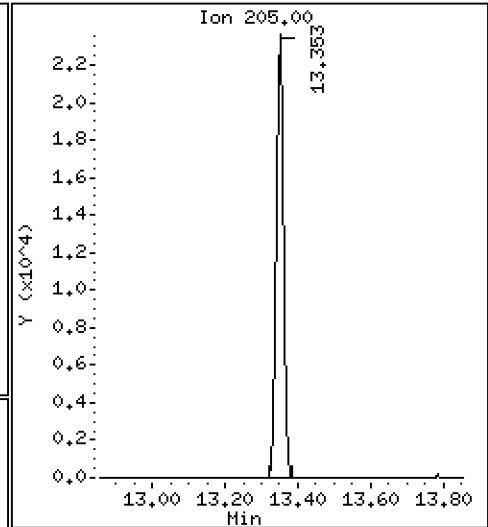
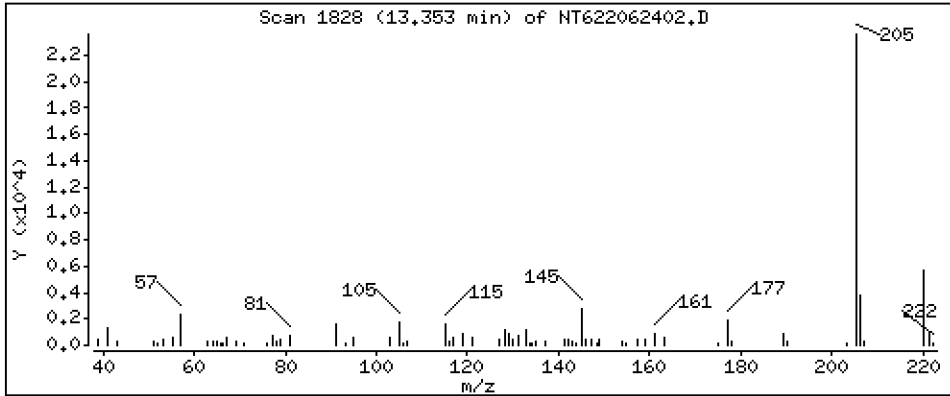
Operator: JZ

Column phase: ZB-5msi

Column diameter: 0.32

133 Butylatedhydroxytoluene

Concentration: 4.337 ug/mL



Date : 24-JUN-2022 10:59

Client ID:

Instrument: nt6.i

Sample Info: LCV220624

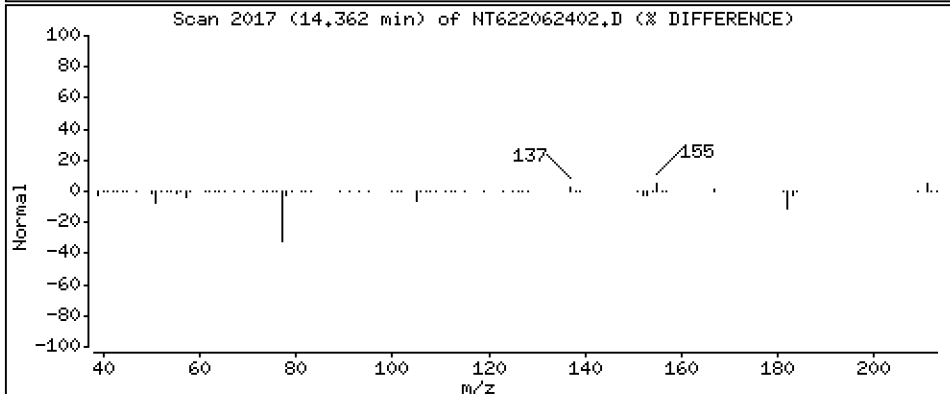
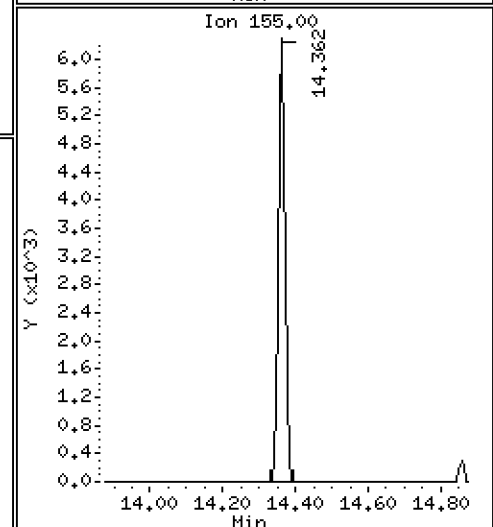
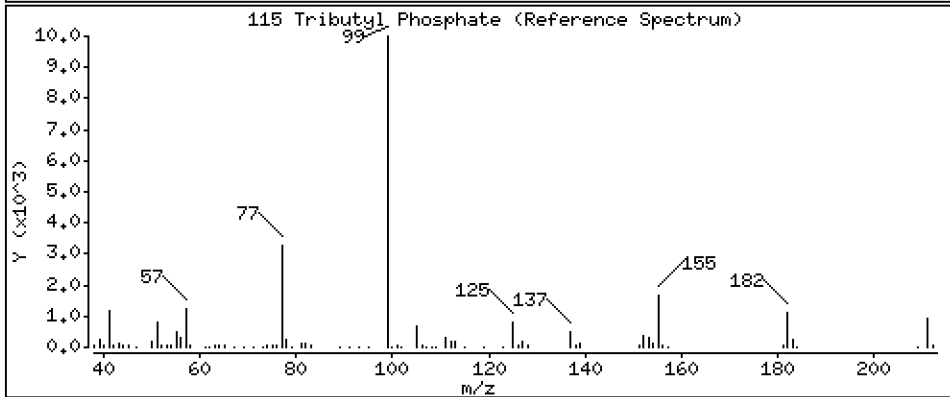
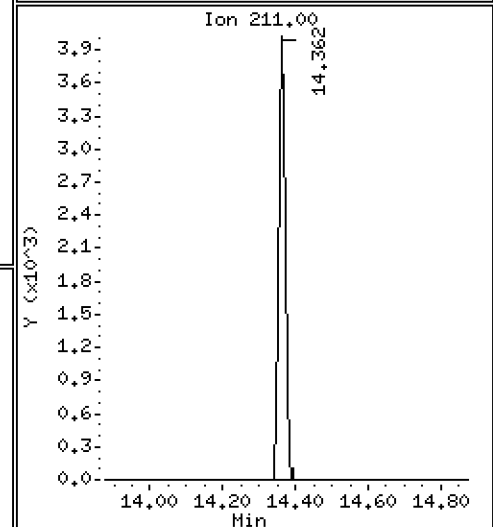
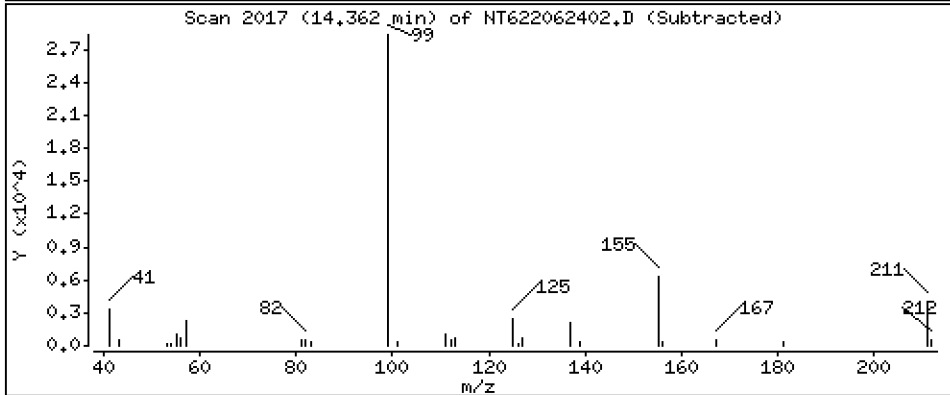
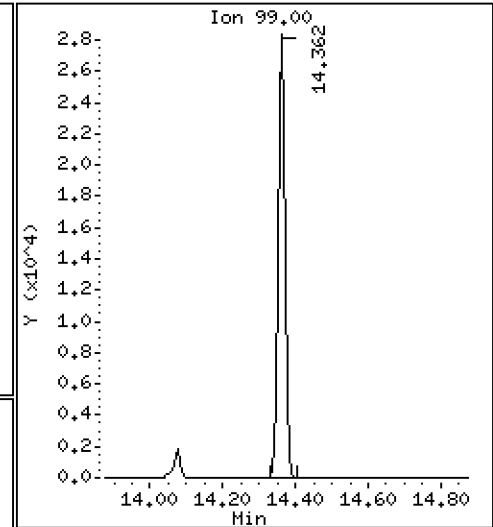
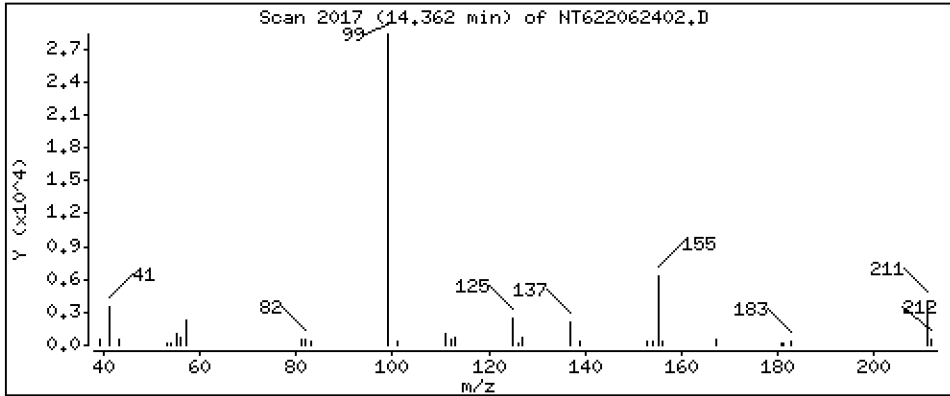
Operator: JZ

Column phase: ZB-5msi

Column diameter: 0.32

115 Tributyl Phosphate

Concentration: 4.863 ug/mL



Date : 24-JUN-2022 10:59

Client ID:

Instrument: nt6.i

Sample Info: LCV220624

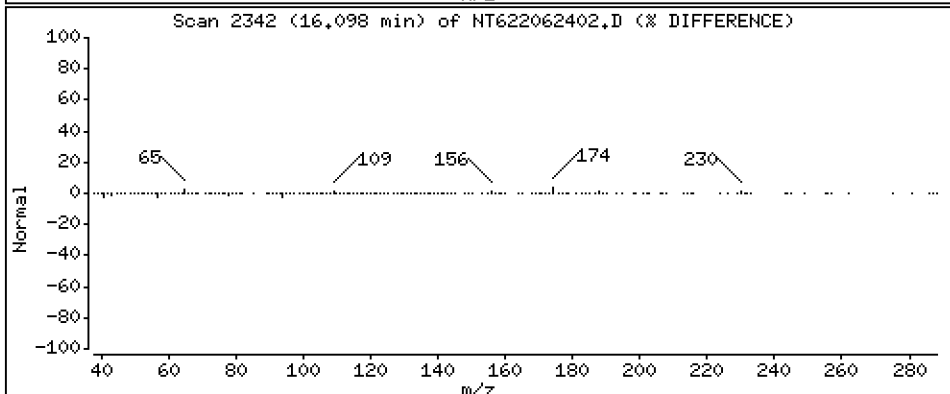
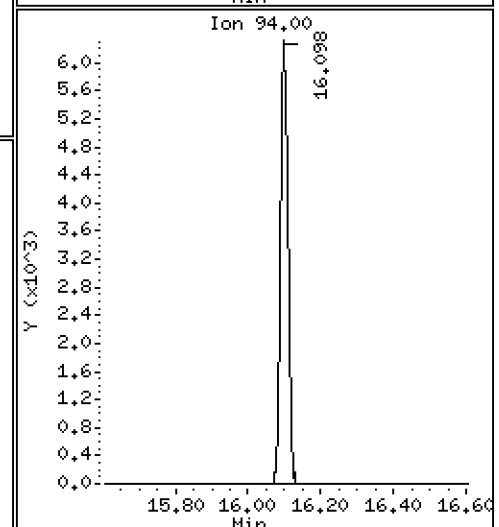
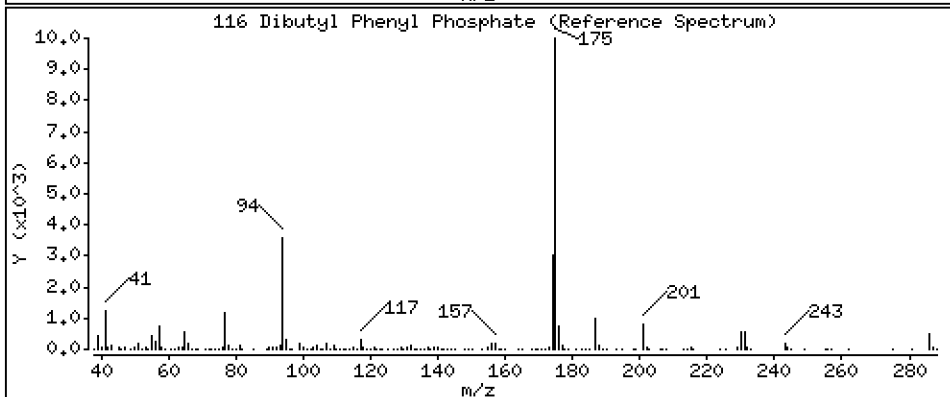
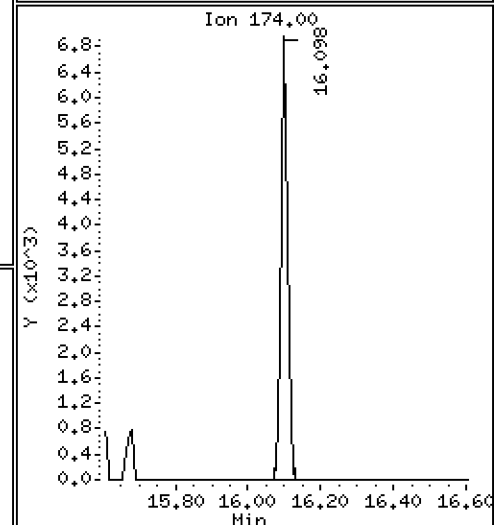
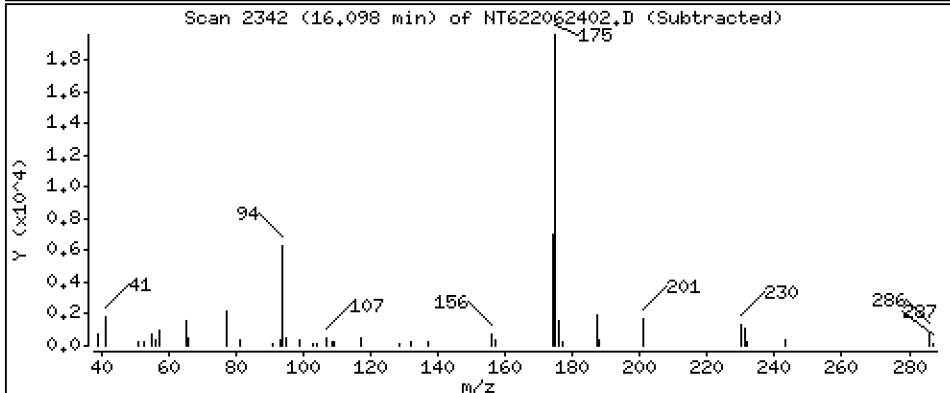
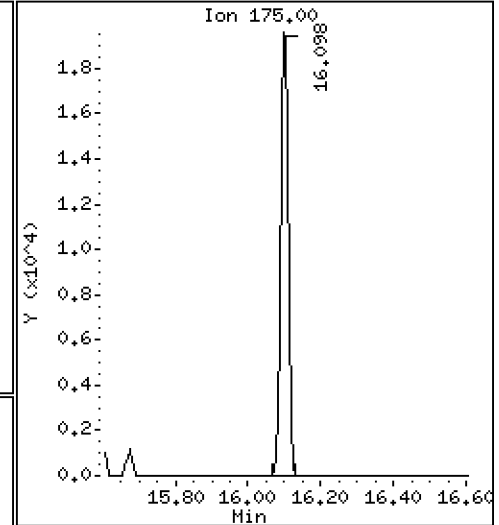
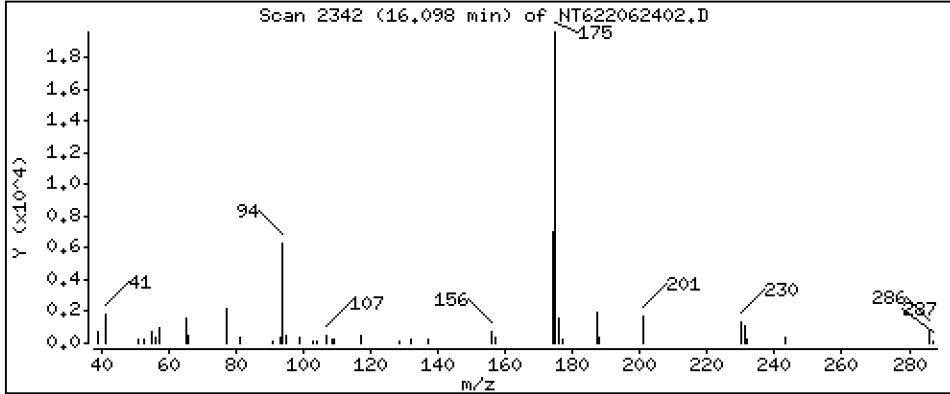
Operator: JZ

Column phase: ZB-5msi

Column diameter: 0.32

116 Dibutyl Phenyl Phosphate

Concentration: 5.050 ug/mL



Date : 24-JUN-2022 10:59

Client ID:

Instrument: nt6.i

Sample Info: LCV220624

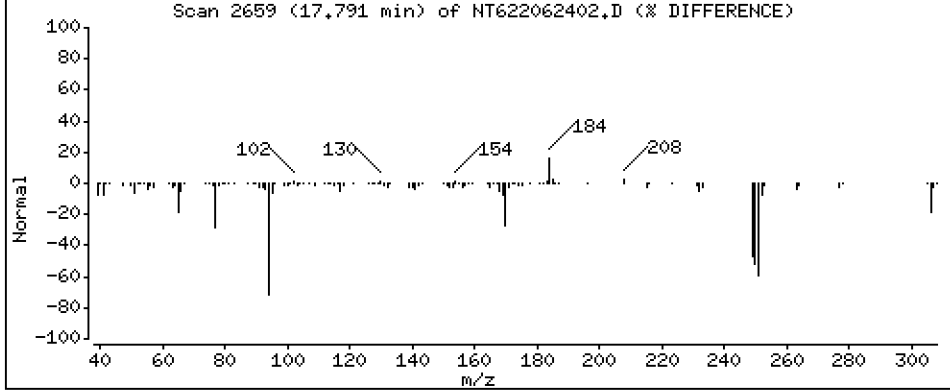
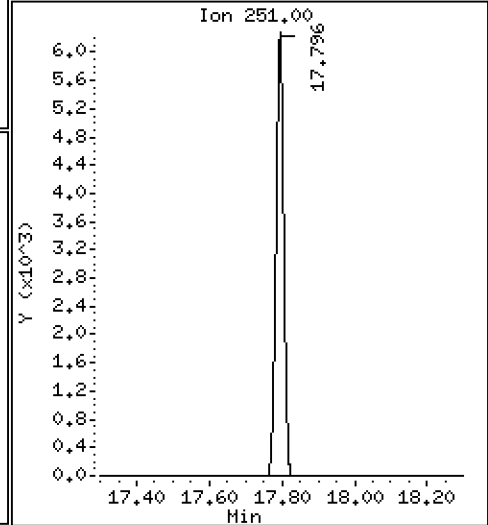
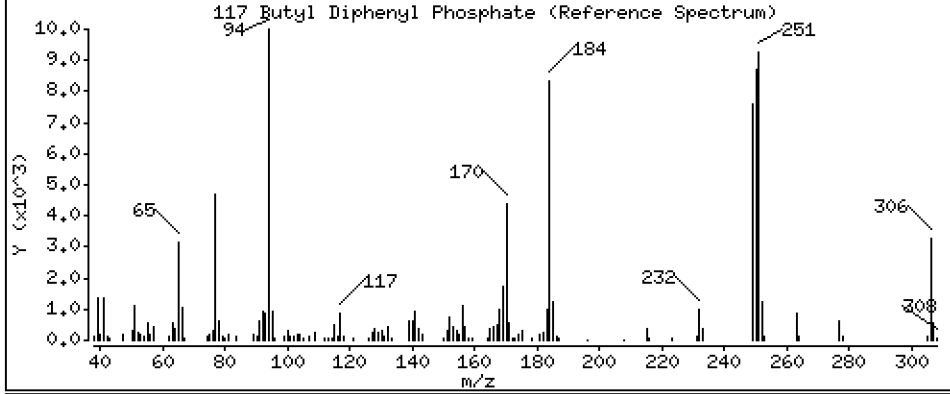
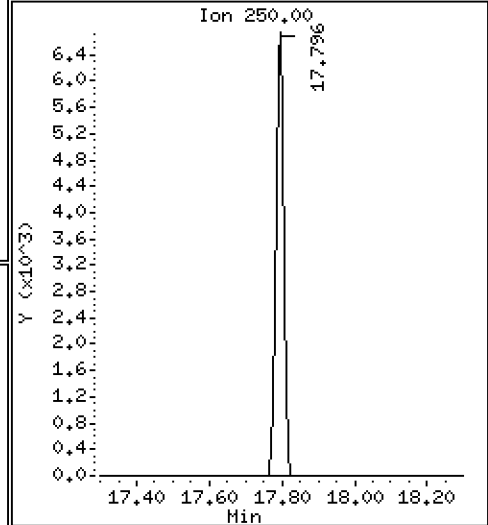
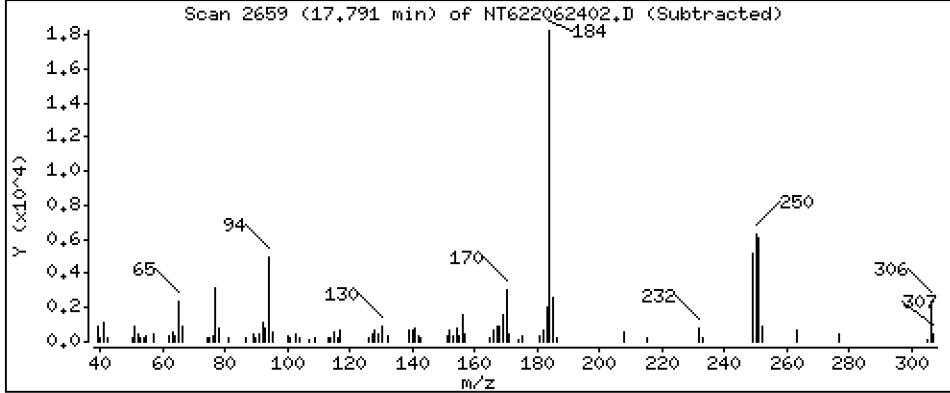
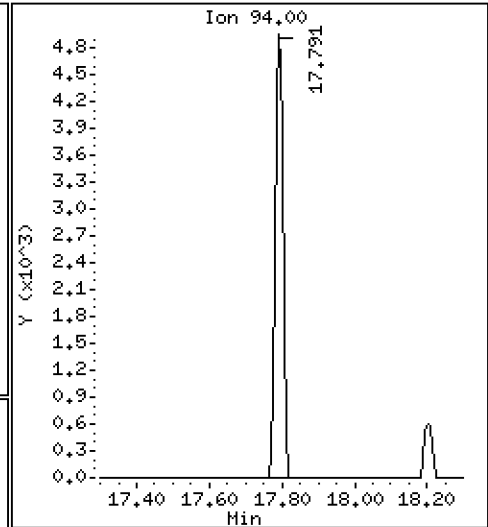
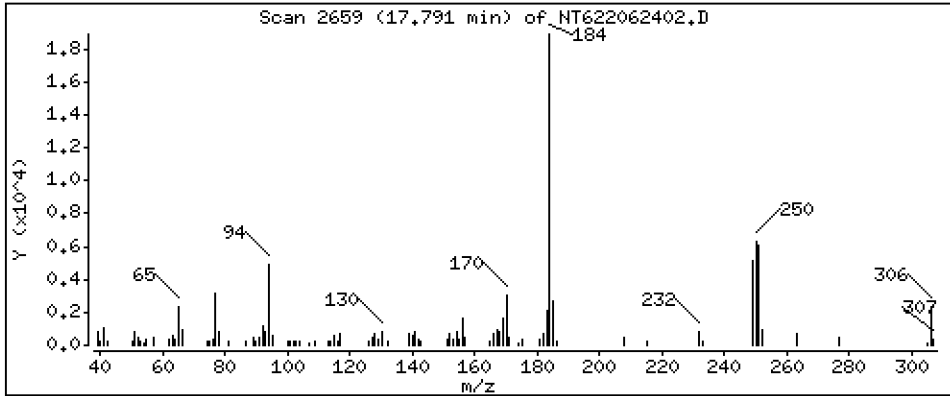
Operator: JZ

Column phase: ZB-5msi

Column diameter: 0.32

117 Butyl Diphenyl Phosphate

Concentration: 4.152 ug/mL



Date : 24-JUN-2022 10:59

Client ID:

Instrument: nt6.i

Sample Info: LCV220624

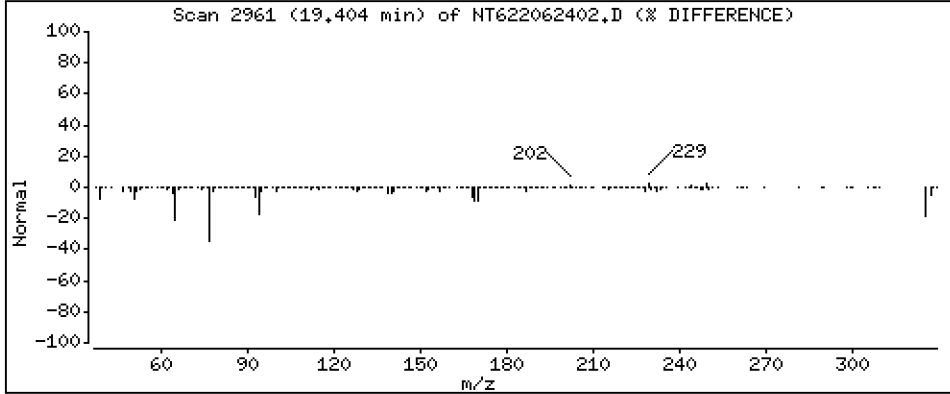
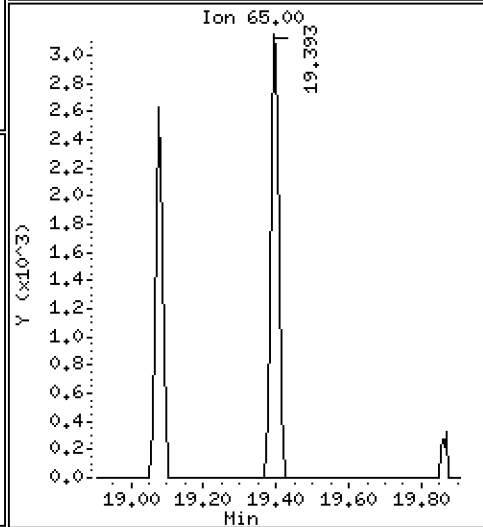
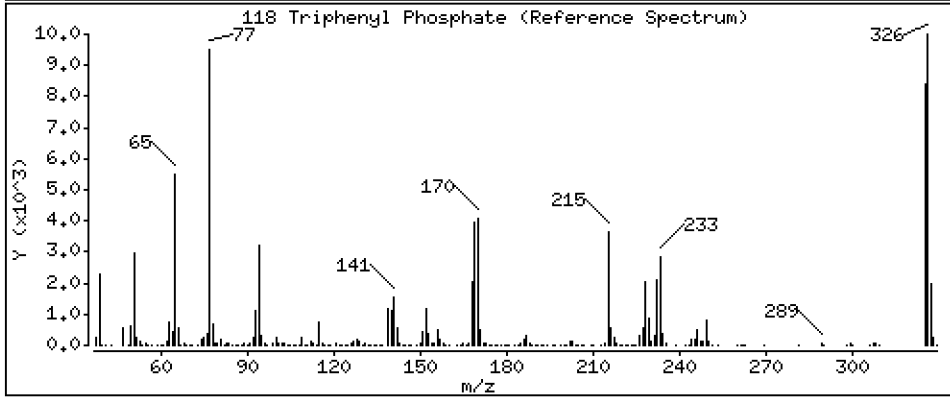
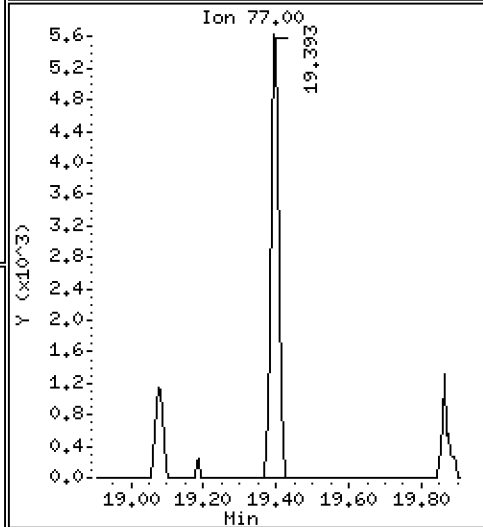
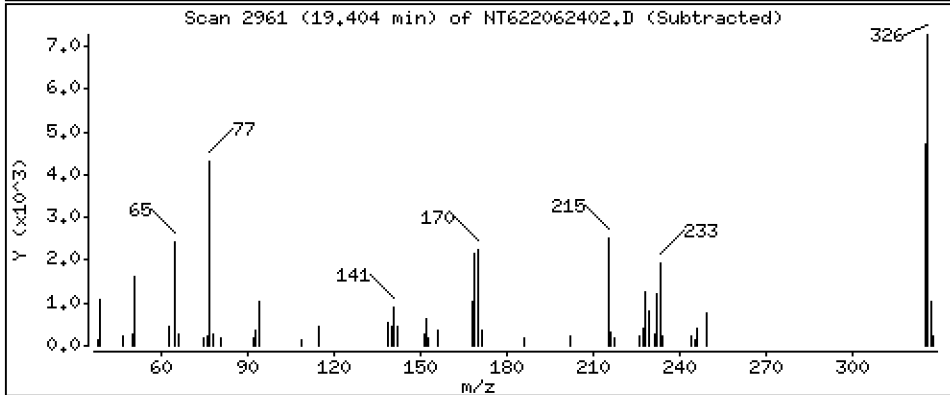
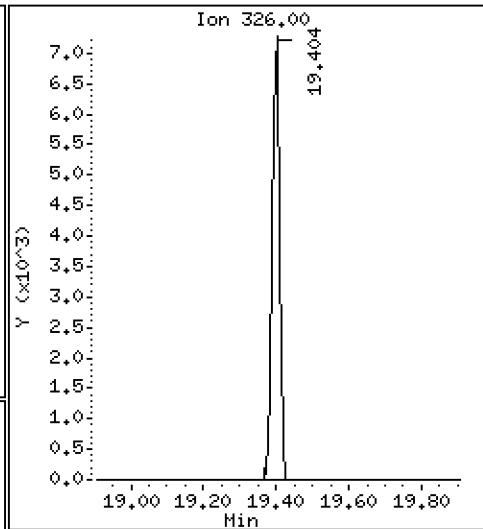
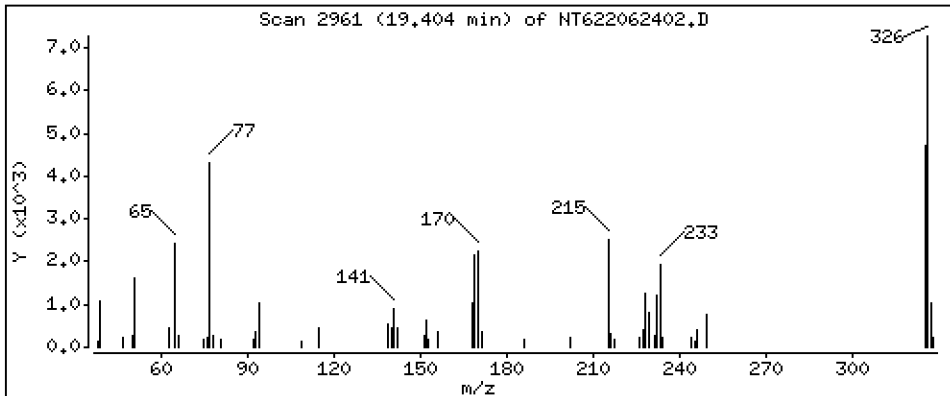
Operator: JZ

Column phase: ZB-5msi

Column diameter: 0.32

118 Triphenyl Phosphate

Concentration: 4.728 ug/mL



Date : 24-JUN-2022 10:59

Client ID:

Instrument: nt6.i

Sample Info: LCV220624

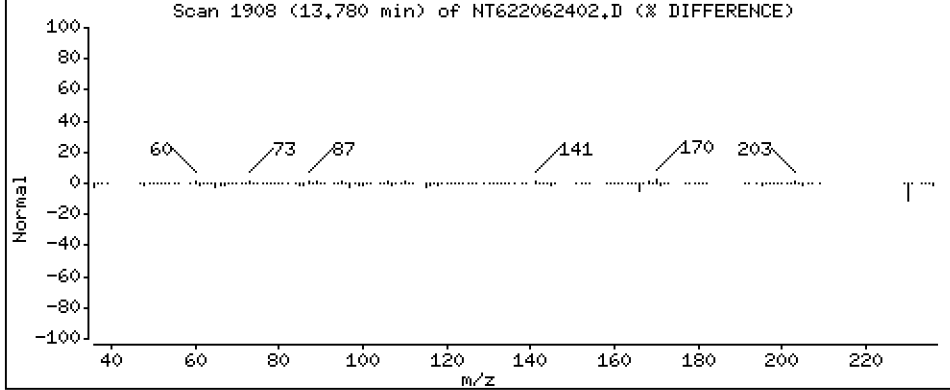
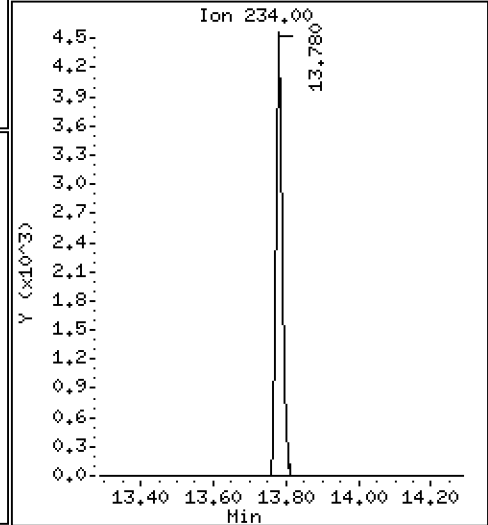
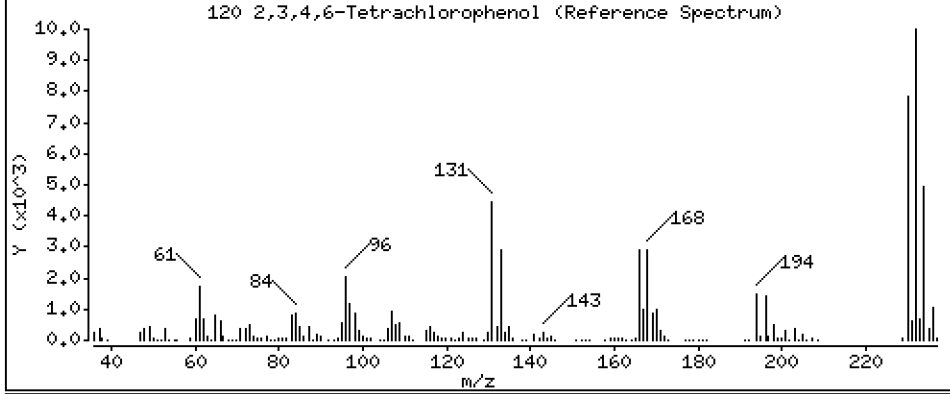
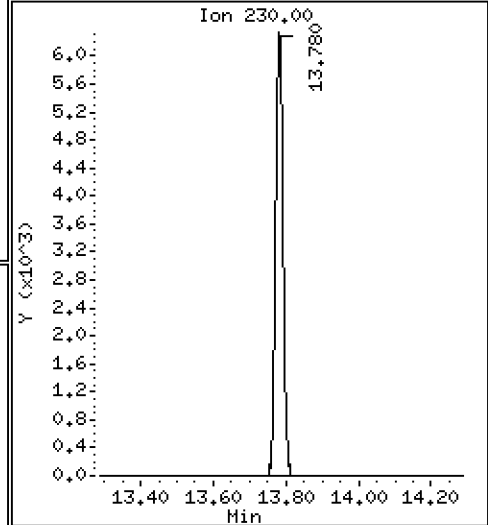
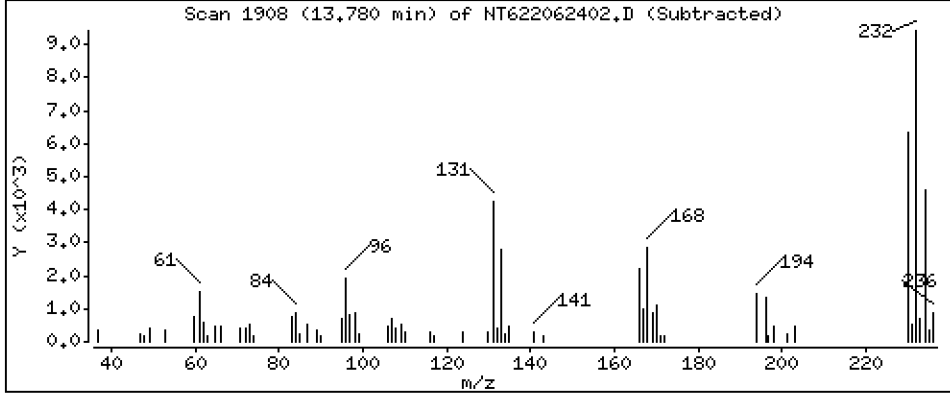
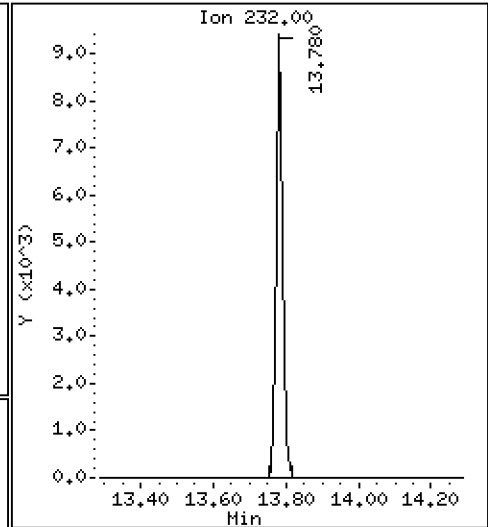
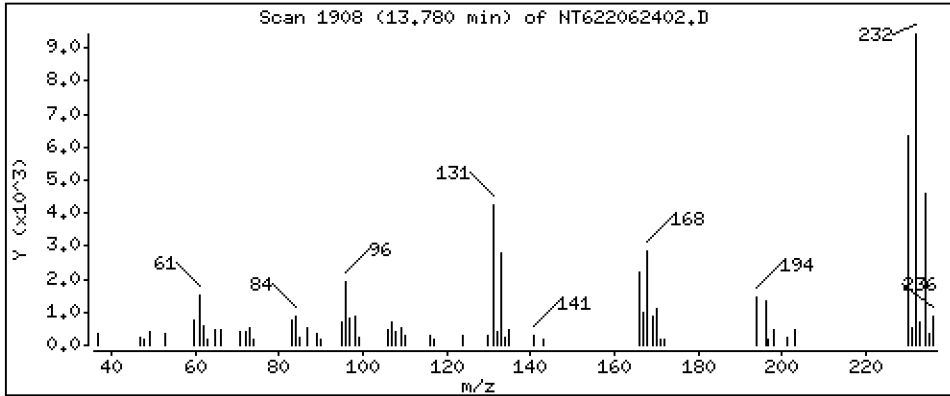
Operator: JZ

Column phase: ZB-5msi

Column diameter: 0.32

120 2,3,4,6-Tetrachlorophenol

Concentration: 5.284 ug/mL



Date : 24-JUN-2022 10:59

Client ID:

Instrument: nt6.i

Sample Info: LCV220624

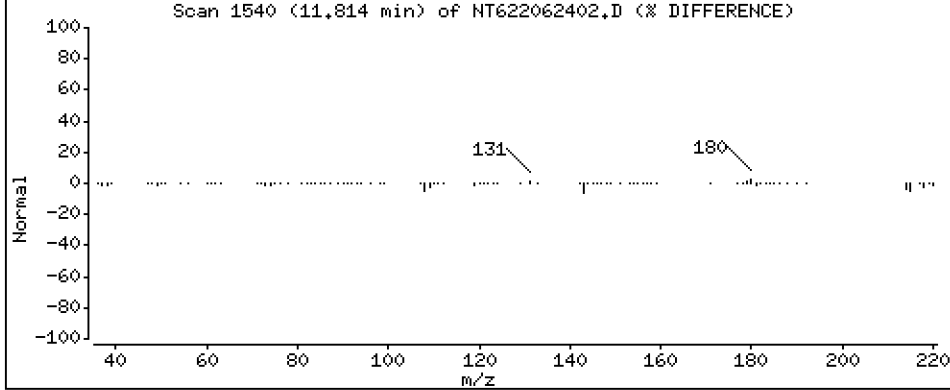
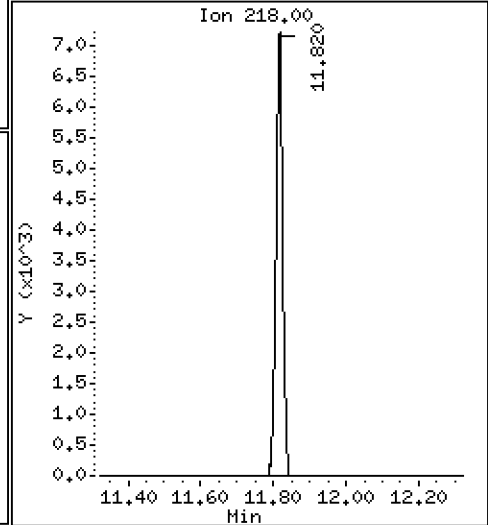
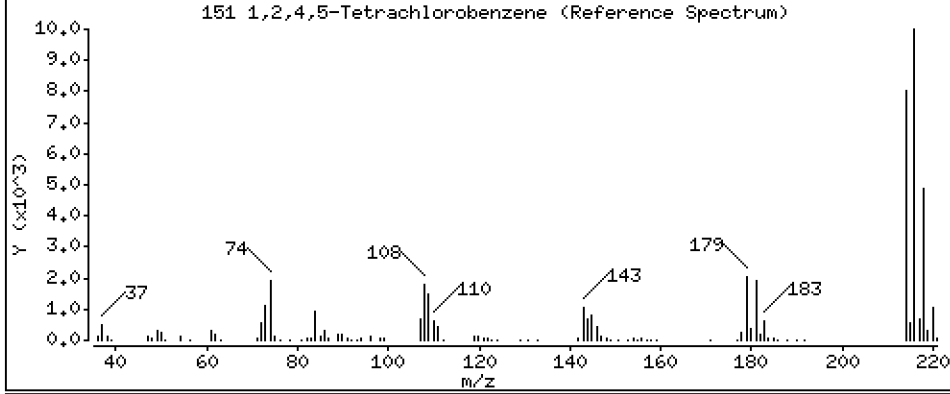
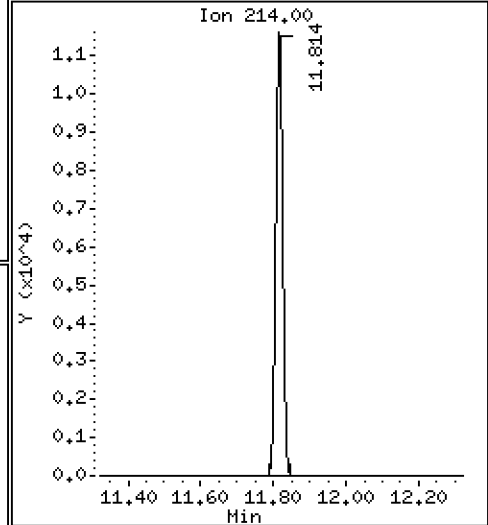
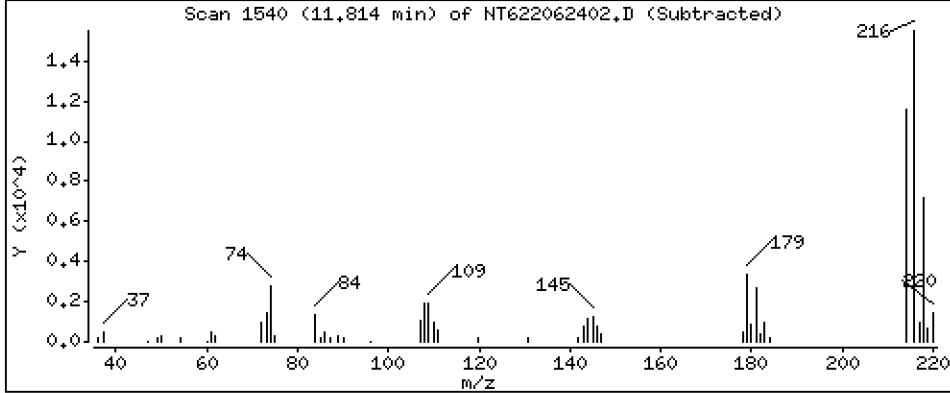
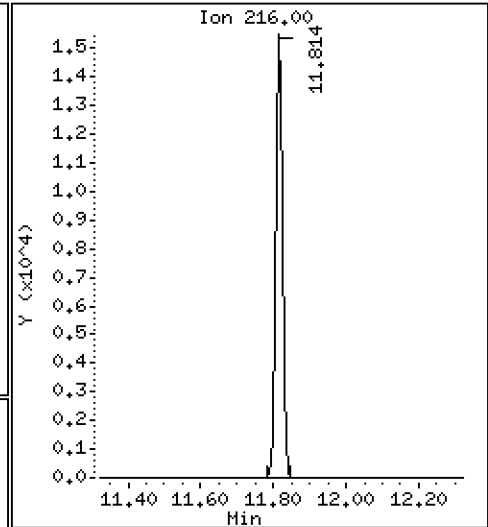
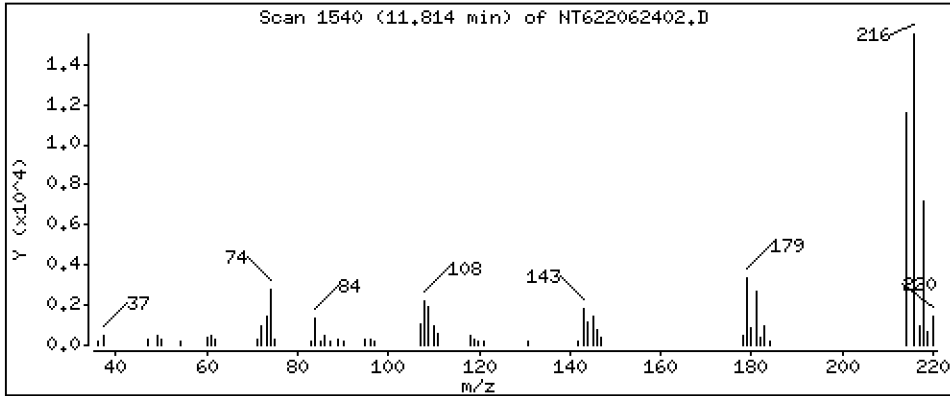
Operator: JZ

Column phase: ZB-5msi

Column diameter: 0.32

151 1,2,4,5-Tetrachlorobenzene

Concentration: 5.132 ug/mL



ARI Labs, Inc.

Semivolatile Report SW846 Method 8270D

Data file : \\target\share\chem3\nt6.i\20220624.b\NT622062402.D
 Lab Smp Id: SKF0291-LCV1
 Inj Date : 24-JUN-2022 10:59
 Operator : JZ Inst ID: nt6.i
 Smp Info : LCV220624
 Misc Info : 22-
 Comment : 1ul Injection
 Method : \\target\share\chem3\nt6.i\20220624.b\SW84620220516.m
 Meth Date : 24-Jun-2022 12:48 jianqing Quant Type: ISTD
 Cal Date : 16-MAY-2022 18:52 Cal File: NT622051604.D
 Als bottle: 2
 Dil Factor: 1.00000
 Integrator: HP RTE Compound Sublist: ICALA.sub
 Target Version: 4.14
 Processing Host: JIANQING-202105

Compounds	QUANT	SIG	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS	
							ON-COLUMN	FINAL
	MASS						(ug/mL)	(ug/mL)
\$ 1 2-Fluorophenol	112		6.355	6.356	(0.766)	24783	6.82371	6.824
\$ 2 Phenol-d5	99		7.856	7.862	(0.947)	27997	6.73875	6.739
3 Phenol	94		7.872	7.884	(0.949)	23651	4.89781	4.898
\$ 5 2-Chlorophenol-d4	132		7.995	8.001	(0.964)	25366	6.75503	6.755
4 Bis(2-Chloroethyl)ether	93		7.963	7.969	(0.960)	14863	5.10060	5.101
6 2-Chlorophenol	128		8.022	8.023	(0.967)	21137	5.36097	5.361
7 1,3-Dichlorobenzene	146		8.235	8.236	(0.993)	21009	5.12863	5.129
* 8 1,4-Dichlorobenzene-d4	152		8.294	8.300	(1.000)	67195	20.0000	
9 1,4-Dichlorobenzene	146		8.321	8.322	(1.003)	20288	5.07711	5.077
\$ 10 1,2-Dichlorobenzene-d4	152		8.593	8.594	(1.036)	12541	4.66658	4.667
12 1,2-Dichlorobenzene	146		8.615	8.615	(1.039)	19336	5.09613	5.096
11 Benzyl alcohol	108		8.572	8.573	(1.033)	10357	4.59221	4.592
14 2,2'-oxybis(1-Chloropropane)	45		8.823	8.824	(1.064)	11669	5.21601	5.216
13 2-Methylphenol	108		8.796	8.802	(1.061)	16865	5.15654	5.157
17 Hexachloroethane	117		9.095	9.101	(1.097)	8547	5.30374	5.304
16 N-Nitroso-di-n-propylamine	70		9.037	9.048	(1.090)	11137	5.09789	5.098
15 4-Methylphenol	108		9.026	9.032	(1.088)	17848	5.11610	5.116
\$ 18 Nitrobenzene-d5	82		9.218	9.224	(0.892)	16898	4.73484	4.735
19 Nitrobenzene	77		9.250	9.251	(0.896)	17263	5.09363	5.094
20 Isophorone	82		9.619	9.625	(0.931)	21906	5.09845	5.098
21 2-Nitrophenol	139		9.763	9.764	(0.945)	10891	5.19357	5.194
22 2,4-Dimethylphenol	107		9.859	9.865	(0.954)	21495	5.45191	5.452
23 Bis(2-Chloroethoxy)methane	93		10.009	10.009	(0.969)	15751	5.13582	5.136
24 Benzoic acid	105		9.998	10.111	(0.968)	10563	4.19796	4.198
25 2,4-Dichlorophenol	162		10.142	10.143	(0.982)	16879	5.25414	5.254
26 1,2,4-Trichlorobenzene	180		10.270	10.271	(0.994)	18993	5.18866	5.189
* 27 Naphthalene-d8	136		10.329	10.335	(1.000)	232411	20.0000	
28 Naphthalene	128		10.361	10.367	(1.003)	49752	5.09307	5.093
29 4-Chloroaniline	127		10.500	10.506	(1.017)	18637	4.64200	4.642
30 Hexachlorobutadiene	225		10.676	10.677	(1.034)	12577	5.32534	5.325
31 4-Chloro-3-methylphenol	107		11.301	11.307	(1.094)	17109	5.28777	5.288
32 2-Methylnaphthalene	141		11.477	11.484	(1.111)	26685	4.78391	4.784
33 Hexachlorocyclopentadiene	237		11.857	11.857	(0.899)	9360	3.61364	3.614

Compounds	QUANT SIG					CONCENTRATIONS	
	MASS	RT	EXP RT	REL RT	RESPONSE	ON-COLUMN (ug/mL)	FINAL (ug/mL)
34 2,4,6-Trichlorophenol	196	11.990	11.991	(0.909)	13739	5.13764	5.138
35 2,4,5-Trichlorophenol	196	12.049	12.050	(0.913)	14660	5.14804	5.148
36 2-Fluorobiphenyl	172	12.118	12.119	(0.919)	41020	4.70868	4.709
37 2-Chloronaphthalene	162	12.257	12.263	(0.929)	33182	4.78442	4.784
38 2-Nitroaniline	65	12.492	12.498	(0.947)	7551	4.30696	4.307
39 Dimethylphthalate	163	12.855	12.862	(0.974)	40259	5.30440	5.304
40 Acenaphthylene	152	12.936	12.942	(0.981)	56645	5.03734	5.037
41 2,6-Dinitrotoluene	165	12.952	12.958	(0.982)	9065	5.23948	5.239
42 Acenaphthene-d10	164	13.192	13.193	(1.000)	143203	20.0000	
43 3-Nitroaniline	138	13.165	13.177	(0.998)	7737	4.57938	4.579
44 Acenaphthene	153	13.240	13.246	(1.004)	33035	4.95492	4.955
45 2,4-Dinitrophenol	184	13.336	13.337	(1.011)	368	0.37411	0.3741
46 Dibenzofuran	168	13.496	13.502	(1.023)	46360	4.81156	4.812
47 4-Nitrophenol	109	13.475	13.476	(1.021)	6283	5.14533	5.145
48 2,4-Dinitrotoluene	165	13.582	13.588	(1.030)	10967	4.91156	4.912
50 Diethylphthalate	149	14.004	14.015	(1.062)	41318	5.63591	5.636
49 Fluorene	166	14.057	14.063	(1.066)	38912	5.04855	5.049
51 4-Chlorophenyl-phenylether	204	14.079	14.079	(1.067)	21856	5.05316	5.053
52 4-Nitroaniline	138	14.159	14.175	(1.073)	6817	4.46162	4.462
53 4,6-Dinitro-2-methylphenol	198	14.228	14.245	(0.914)	6439	4.41798	4.418
54 N-Nitrosodiphenylamine	169	14.282	14.288	(0.917)	28031	4.85842	4.858
55 2,4,6-Tribromophenol	330	14.479	14.485	(1.098)	8587	7.04732	7.047
56 4-Bromophenyl-phenylether	248	14.858	14.864	(0.954)	12258	4.90252	4.903
57 Hexachlorobenzene	284	15.083	15.083	(0.969)	14117	5.18794	5.188
58 Pentachlorophenol	266	15.382	15.383	(0.988)	6784	3.73202	3.732
59 Phenanthrene-d10	188	15.569	15.569	(1.000)	266179	20.0000	
60 Phenanthrene	178	15.601	15.607	(1.002)	55954	5.09977	5.100
61 Anthracene	178	15.676	15.676	(1.007)	54673	4.98161	4.982
62 Carbazole	167	15.959	15.959	(1.025)	48753	5.16782	5.168
63 Di-n-butylphthalate	149	16.658	16.659	(1.070)	67107	5.68051	5.681
64 Fluoranthene	202	17.540	17.546	(1.127)	67783	5.46618	5.466
65 Pyrene	202	17.897	17.904	(0.900)	69374	4.94533	4.945
66 Terphenyl-d14	244	18.202	18.208	(0.915)	47844	4.50420	4.504
67 Butylbenzylphthalate	149	19.083	19.084	(0.960)	28894	5.26110	5.261
68 Benzo(a)anthracene	228	19.858	19.864	(0.999)	60598	4.89142	4.891
69 Chrysene-d12	240	19.884	19.890	(1.000)	223436	20.0000	
70 3,3'-Dichlorobenzidine	252	19.868	19.869	(0.999)	19436	5.23793	5.238
71 Chrysene	228	19.927	19.933	(1.002)	56914	5.00085	5.001
72 bis(2-Ethylhexyl)phthalate	149	20.066	20.072	(0.955)	39427	5.34812	5.348
134 Di-n-octylphthalate-d4	153	21.001	21.007	(1.000)	318664	20.0000	
73 Di-n-octylphthalate	149	21.011	21.012	(1.000)	67745	5.09381	5.094
74 Benzo(b)fluoranthene	252	21.513	21.519	(0.976)	56930	5.00284	5.003
75 Benzo(k)fluoranthene	252	21.545	21.557	(0.977)	59982	5.26056	5.261
187 Total Benzofluoranthenes	252	21.545	21.557	(0.977)	112205	10.3616	10.36 (M)
76 Benzo(a)pyrene	252	21.962	21.973	(0.996)	52338	4.90112	4.901
77 Perylene-d12	264	22.053	22.054	(1.000)	230513	20.0000	
78 Indeno(1,2,3-cd)pyrene	276	23.639	23.656	(1.072)	72288	4.63119	4.631
79 Dibenzo(a,h)anthracene	278	23.666	23.683	(1.073)	59544	4.56027	4.560
80 Benzo(g,h,i)perylene	276	24.088	24.104	(1.092)	61172	4.56924	4.569
90 N-Nitrosodimethylamine	74	3.797	3.803	(0.458)	8832	5.20879	5.209
103 Pyridine	79	3.760	3.755	(0.453)	15417	4.83072	4.831
91 Aniline	93	7.856	7.857	(0.947)	21990	4.42833	4.428
105 1-methylnaphthalene	141	11.648	11.654	(1.128)	26321	4.99945	4.999
93 Benzidine	184	17.791	17.797	(0.895)	29158	7.74031	7.740

Compounds	QUANT SIG	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS	
						ON-COLUMN (ug/mL)	FINAL (ug/mL)
111 Azobenzene (1,2-DP-Hydrazine)	77	14.324	14.330	(0.920)	33519	4.94611	4.946
144 alpha-Terpineol	59	10.377	10.383	(1.005)	10483	5.21741	5.217
133 Butylatedhydroxytoluene	205	13.352	13.353	(1.012)	32964	4.33723	4.337
115 Tributyl Phosphate	99	14.362	14.373	(0.922)	37178	4.86348	4.863
116 Dibutyl Phenyl Phosphate	175	16.098	16.104	(1.034)	28791	5.04980	5.050
117 Butyl Diphenyl Phosphate	94	17.791	17.797	(0.895)	7507	4.15225	4.152
118 Triphenyl Phosphate	326	19.404	19.404	(0.976)	10441	4.72776	4.728
120 2,3,4,6-Tetrachlorophenol	232	13.780	13.786	(1.045)	11505	5.28429	5.284
151 1,2,4,5-Tetrachlorobenzene	216	11.814	11.820	(0.896)	20170	5.13184	5.132

QC Flag Legend

M - Compound response manually integrated.

ARI Labs, Inc.

INTERNAL STANDARD COMPOUNDS
 AREA AND RT SUMMARY

Instrument ID: nt6.i Calibration Date: 24-JUN-2022
 Lab File ID: NT622062402.D Calibration Time: 10:22
 Lab Smp Id: SKF0291-LCV1
 Analysis Type: SV Level:
 Quant Type: ISTD Sample Type:
 Operator: JZ
 Method File: \\target\share\chem3\nt6.i\20220624.b\SW84620220516.m
 Misc Info: 22-

Test Mode:
 Use Last Continuing Calibrator.

COMPOUND	STANDARD	AREA LIMIT		SAMPLE	%DIFF
		LOWER	UPPER		
8 1,4-Dichlorobenze	61282	30641	122564	67195	9.65
27 Naphthalene-d8	213957	106979	427914	232411	8.63
42 Acenaphthene-d10	139427	69714	278854	143203	2.71
59 Phenanthrene-d10	268928	134464	537856	266179	-1.02
69 Chrysene-d12	229100	114550	458200	223436	-2.47
134 Di-n-octylphthala	325717	162859	651434	318664	-2.17
77 Perylene-d12	228006	114003	456012	230513	1.10

COMPOUND	STANDARD	RT LIMIT		SAMPLE	%DIFF
		LOWER	UPPER		
8 1,4-Dichlorobenze	8.30	7.80	8.80	8.29	-0.07
27 Naphthalene-d8	10.34	9.84	10.84	10.33	-0.06
42 Acenaphthene-d10	13.19	12.69	13.69	13.19	-0.01
59 Phenanthrene-d10	15.57	15.07	16.07	15.57	-0.00
69 Chrysene-d12	19.89	19.39	20.39	19.88	-0.03
134 Di-n-octylphthala	21.01	20.51	21.51	21.00	-0.03
77 Perylene-d12	22.05	21.55	22.55	22.05	-0.00

AREA UPPER LIMIT = +100% of internal standard area.
 AREA LOWER LIMIT = - 50% of internal standard area.
 RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
 RT LOWER LIMIT = - 0.50 minutes of internal standard RT.

REVIEW SUMMARY FOR FILE - NT622062402.D

Lab ID: SKF0291-LCV1
nt6.i, SW84620220516.m, 24-JUN-2022 10:59

RT CO-ELUTION COMPOUNDS

NO CO-ELUTIONS

Quant Method: ICAL

No RRT check performed

On Column LOD for nt6.i, SW84620220516.m, ICALA.sub = 0.0100

* Only compounds listed in the work order have been verified by the analyst *

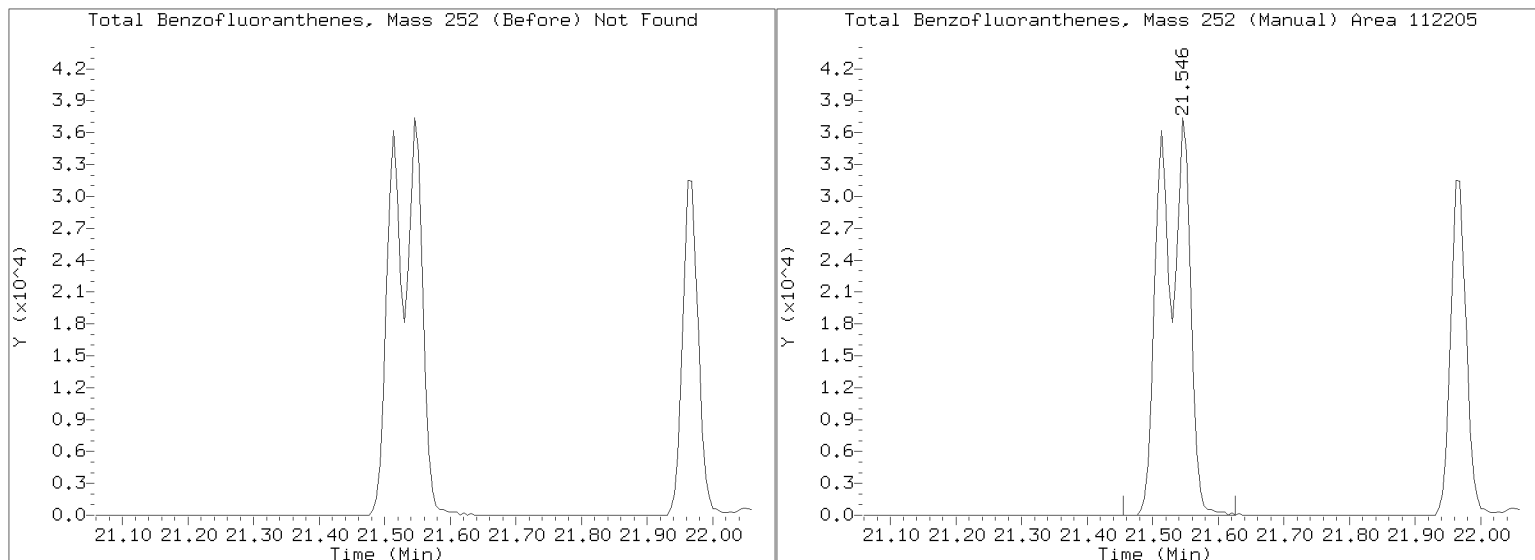
Quant Ion Manual Peak Adjustment Report

Datafile: //target/share/chem3/nt6.i/20220624.b/NT622062402.D

Injection Date: 24-JUN-2022 10:59

Lab ID:SKF0291-LCV1 Client ID:

Report Date: 06/24/2022 12:52





CONTINUING CALIBRATION CHECK
EPA 8270E

Laboratory: Analytical Resources, LLC

SDG: 22F0267

Client: GeoEngineers

Project: RG Haley Site-Bellingham

Instrument ID: NT10

Calibration: FF00062

Lab File ID: NT1022063019.D

Calibration Date: 06/23/2022

Sequence: SKG0010

Injection Date: 07/01/22

Lab Sample ID: SKG0010-CCV1

Injection Time: 01:13

Sequence Name: ABN 5

COMPOUND	TYPE	CONC. (ug/mL)		RESPONSE FACTOR (RRF)			% DRIFT/DIFF	
		STD	CCV	ICAL	CCV	MIN	CCV	LIMIT
Naphthalene	A	5.0000	5.4	1.0237250	1.1011710		7.6	+/-50
2-Methylnaphthalene	A	5.0000	5.6	1.0174370	1.1465630		12.7	+/-50
Acenaphthene	A	5.0000	5.5	1.1633080	1.2683620		9.0	+/-50
Pentachlorophenol	A	10.000	6.9	0.0462824	0.0423722		-31.4	+/-50
Phenanthrene	A	5.0000	5.2	1.0508770	1.0865750		3.4	+/-50
Fluoranthene	A	5.0000	9.3	2.5859780	5.6746940		86.8	+/-50 *
Benzo(a)anthracene	A	5.0000	5.5	1.6949770	1.8506070		9.2	+/-50
Chrysene	A	5.0000	5.7	1.1695310	1.3597730		13.9	+/-50
Benzo(b)fluoranthene	A	5.0000	4.7	1.8115340	1.7035860		-6.0	+/-50
Benzo(k)fluoranthene	A	5.0000	4.5	1.7419410	1.5566200		-10.6	+/-50
Benzo(a)pyrene	A	5.0000	4.5	1.4826420	1.3260320		-10.6	+/-50
Indeno(1,2,3-cd)pyrene	A	5.0000	3.2	1.5830350	1.0286940		-35.0	+/-50
Dibenzo(a,h)anthracene	A	5.0000	3.8	1.2118700	0.9154376		-24.5	+/-50
1-Methylnaphthalene	A	5.0000	5.6	0.9995882	1.1292830		13.0	+/-50
2-Fluorophenol	A	7.5000	7.45	1.4606150	1.4511410		-0.6	+/-50
Phenol-d5	A	7.5000	7.90	2.1672350	2.2821130		5.3	+/-50
2-Chlorophenol-d4	A	7.5000	7.65	1.4882780	1.5170560		1.9	+/-50
1,2-Dichlorobenzene-d4	A	5.0000	5.02	0.9170783	0.9210057		0.4	+/-50
Nitrobenzene-d5	A	5.0000	5.24	0.4256249	0.4460040		4.8	+/-50
2-Fluorobiphenyl	A	5.0000	5.33	1.8101110	1.9286560		6.5	+/-50
2,4,6-Tribromophenol	A	7.5000	7.74	0.1582114	0.1882500		3.2	+/-50
p-Terphenyl-d14	A	5.0000	8.35	1.3958840	2.3298520		66.9	+/-50 *

* Values outside of QC limits

* Values outside of QC limits

Data File: \\target\share\chem3\nt10.1\20220630.1\NT1022063019.D

Date: 01-JUL-2022 01:13

Client ID:

Sample Info: SKC0010-CCW1

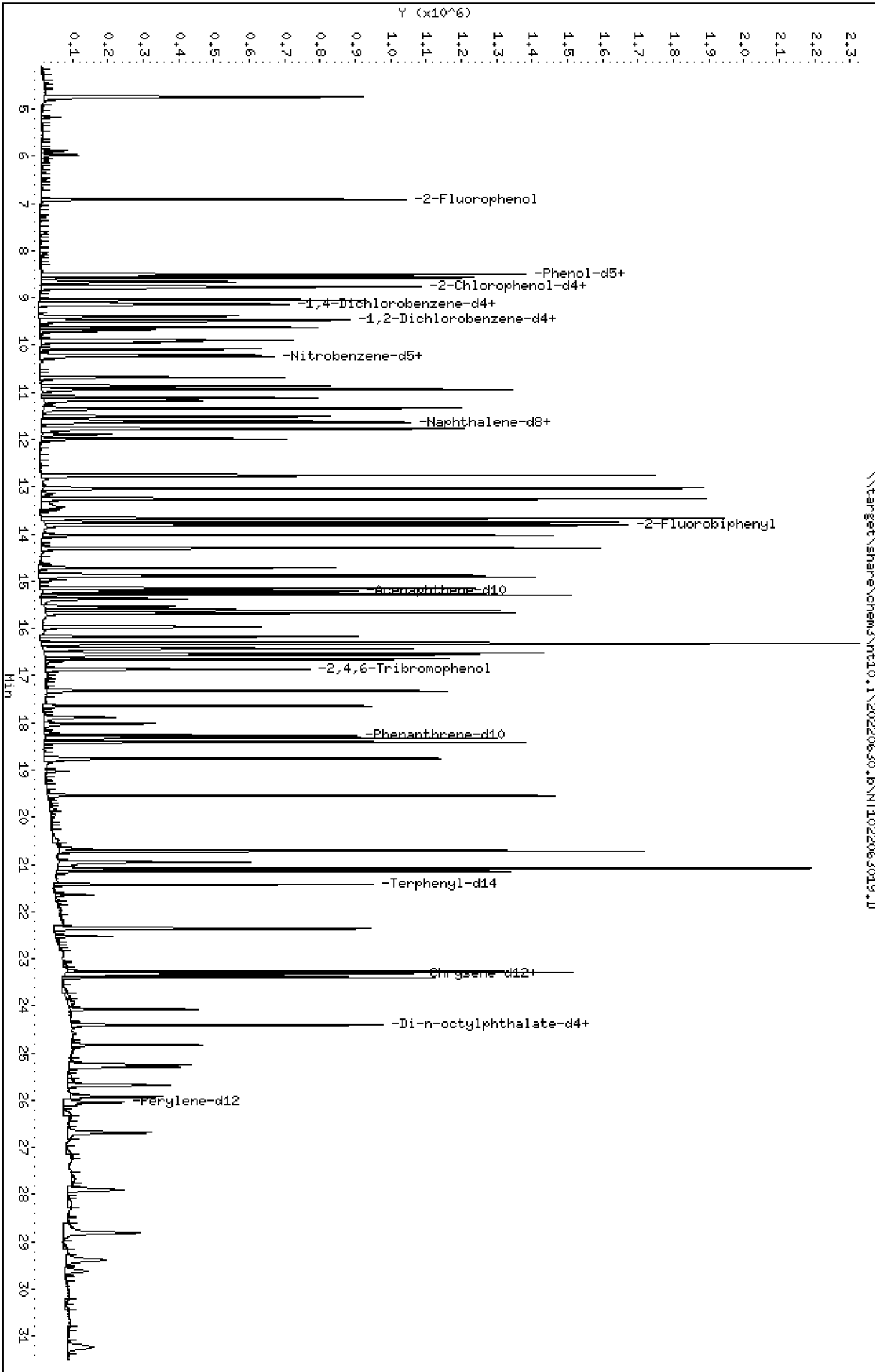
Column phase: ZB-5msi

Instrument: nt10.1

Operator: VTS

Column diameter: 0.25

Page 1



Date : 01-JUL-2022 01:13

Client ID:

Instrument: nt10.i

Sample Info: SKG0010-CCV1

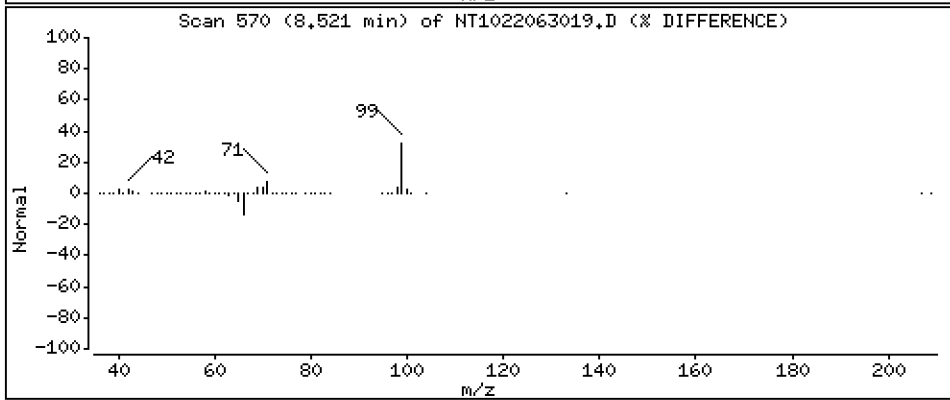
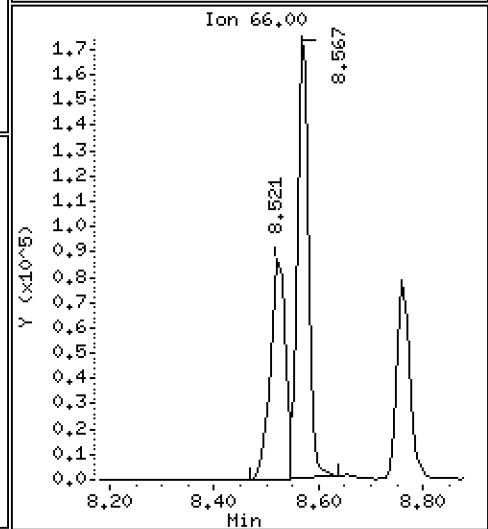
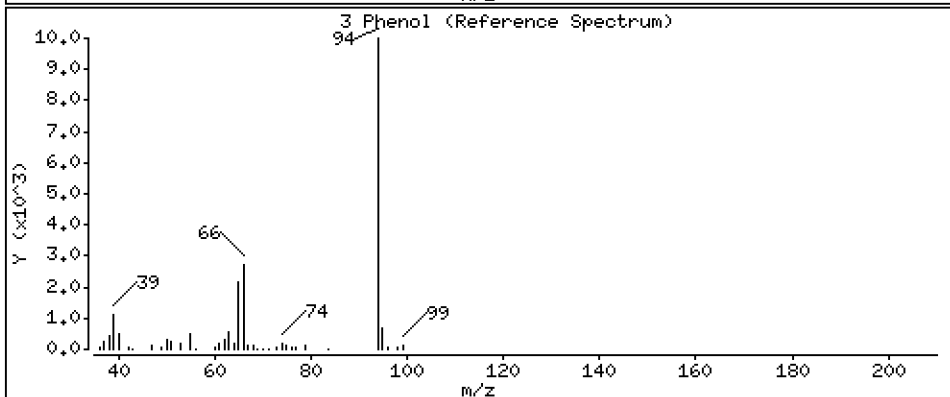
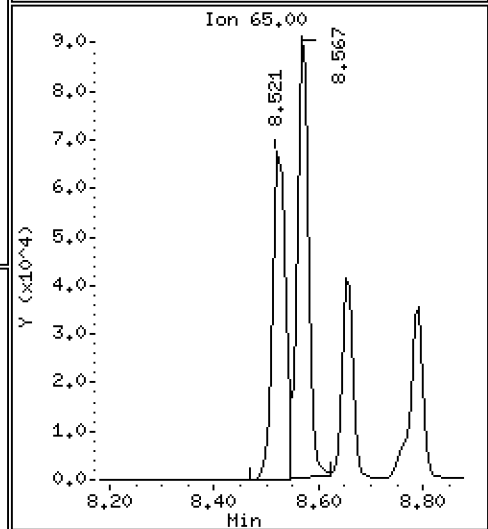
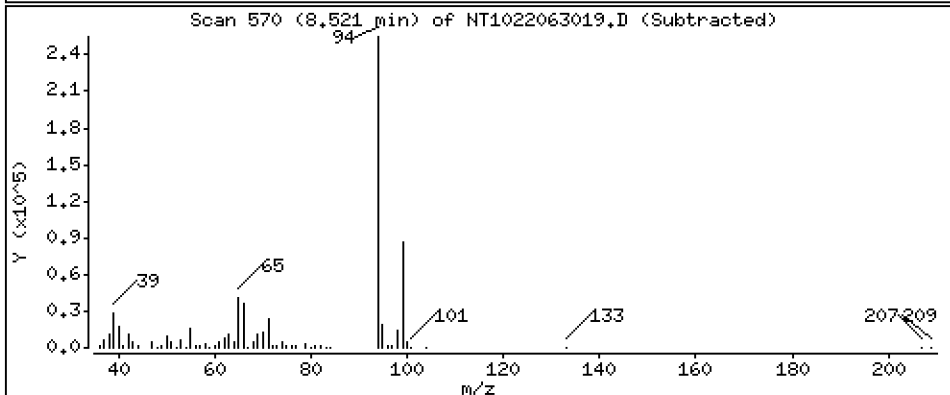
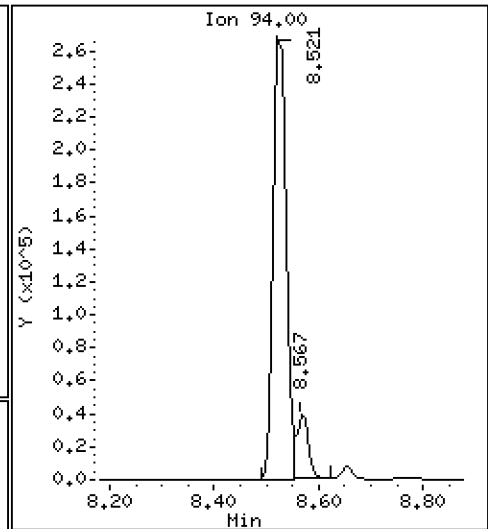
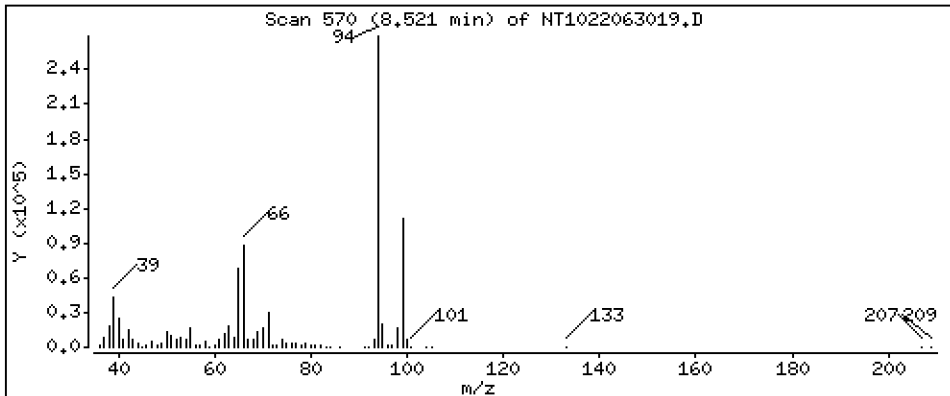
Operator: VTS

Column phase: ZB-5msi

Column diameter: 0,25

3 Phenol

Concentration: 4,934 ug/mL



Date : 01-JUL-2022 01:13

Client ID:

Instrument: nt10.i

Sample Info: SKG0010-CCV1

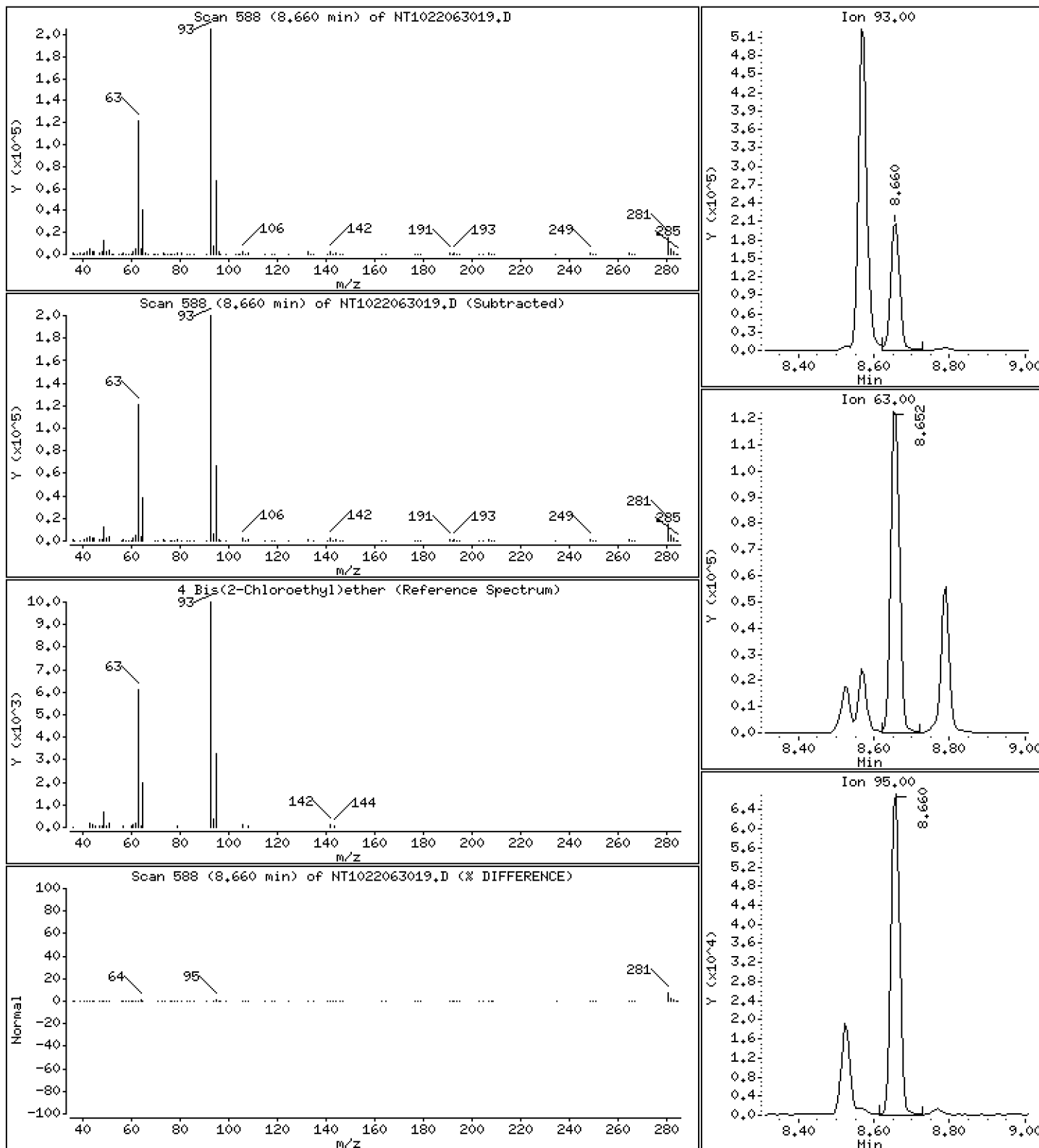
Operator: VTS

Column phase: ZB-5msi

Column diameter: 0,25

4 Bis(2-Chloroethyl)ether

Concentration: 5,011 ug/mL



Date : 01-JUL-2022 01:13

Client ID:

Instrument: nt10.i

Sample Info: SKG0010-CCV1

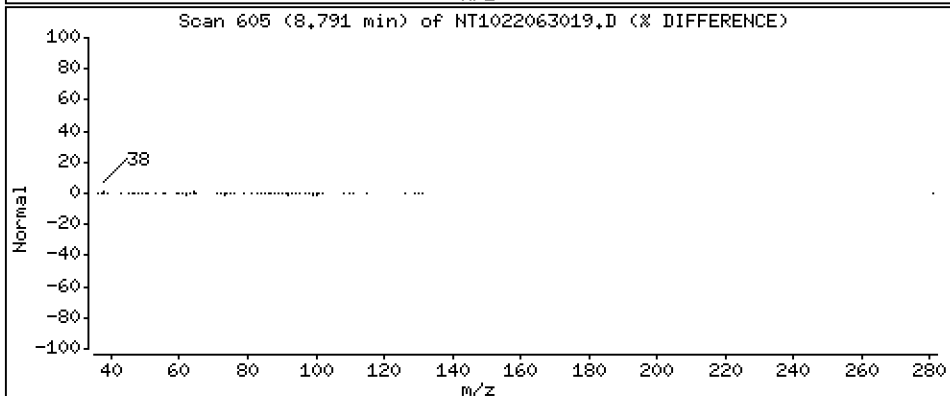
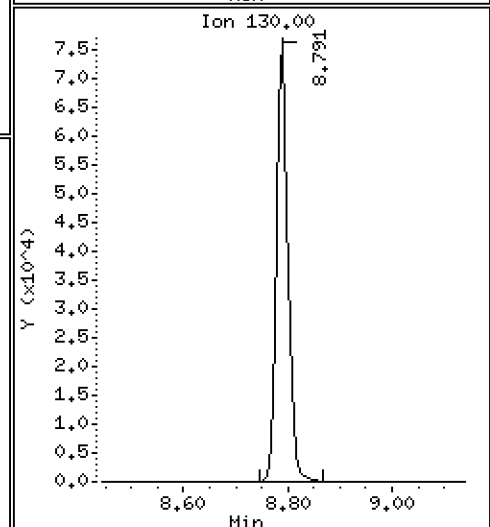
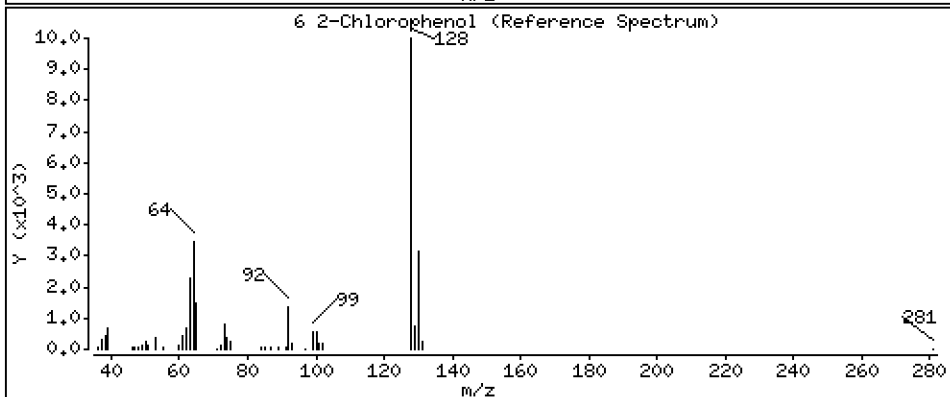
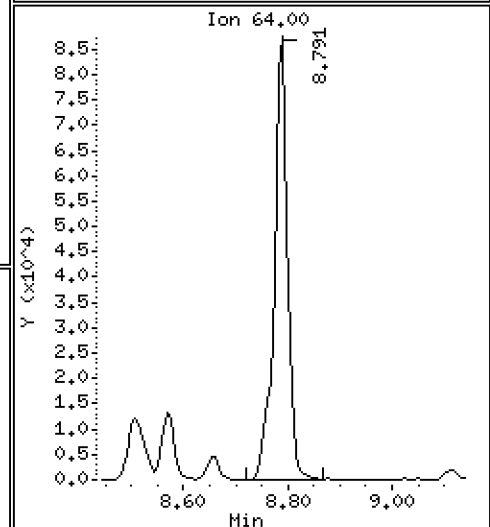
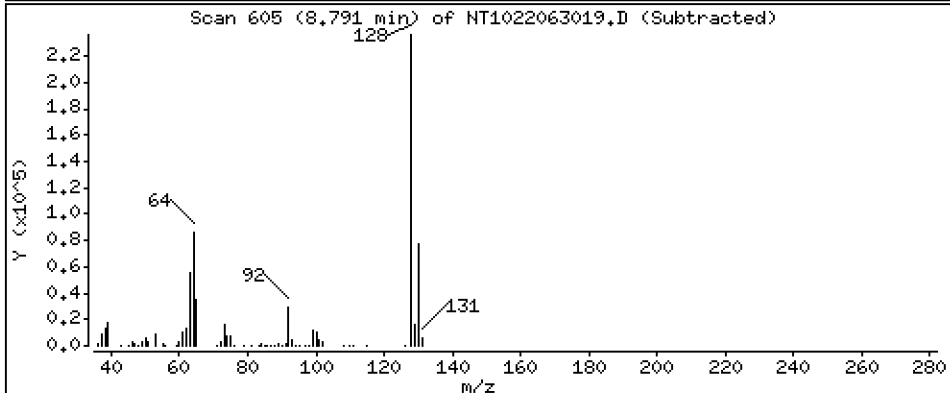
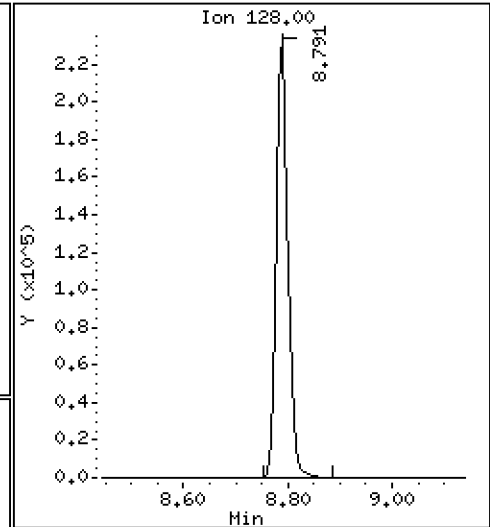
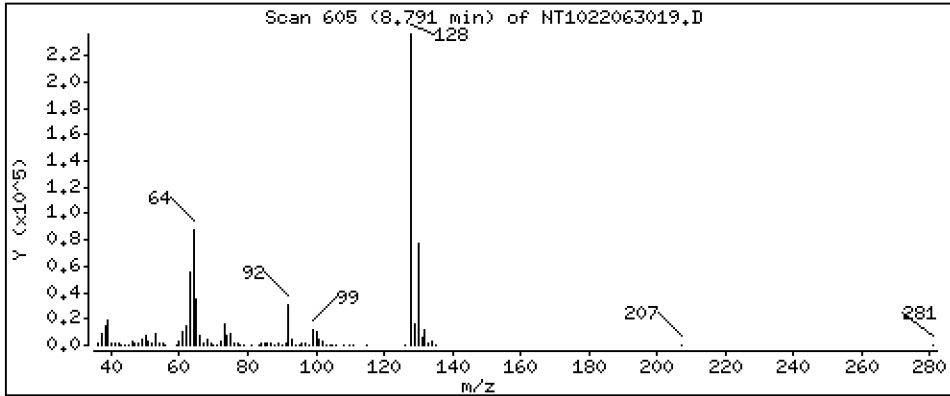
Operator: VTS

Column phase: ZB-5msi

Column diameter: 0,25

6 2-Chlorophenol

Concentration: 5,014 ug/mL



Date : 01-JUL-2022 01:13

Client ID:

Instrument: nt10.i

Sample Info: SKG0010-CCV1

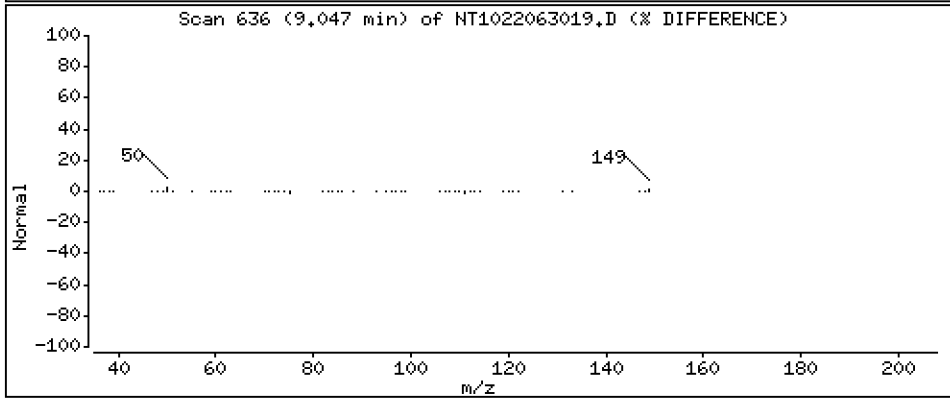
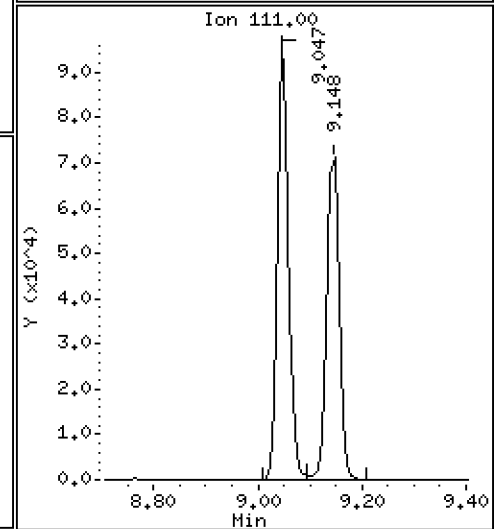
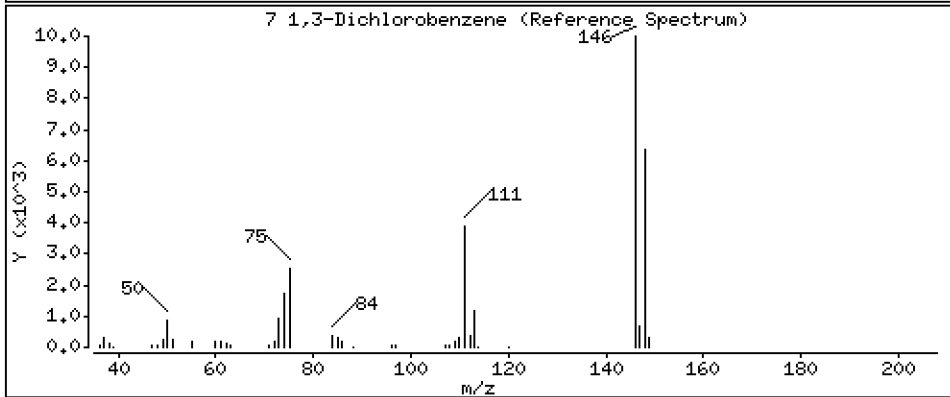
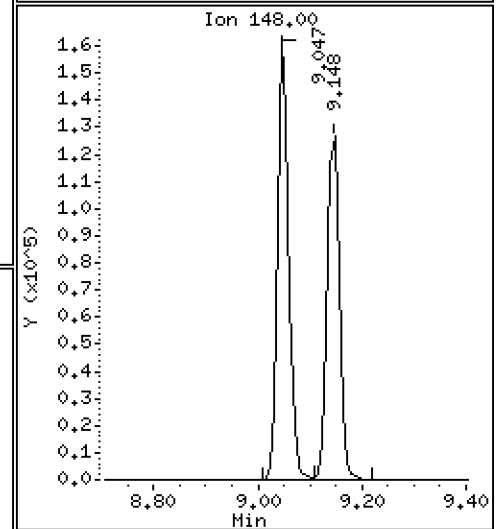
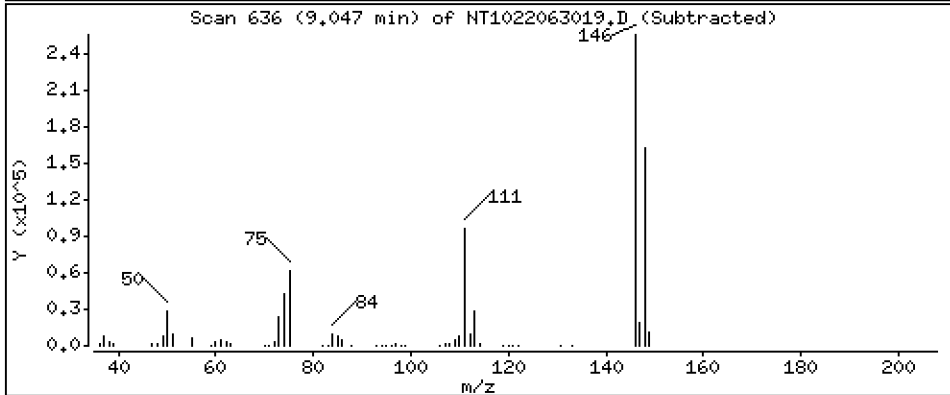
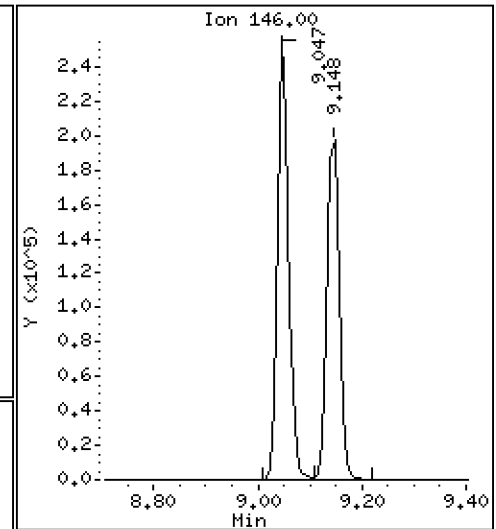
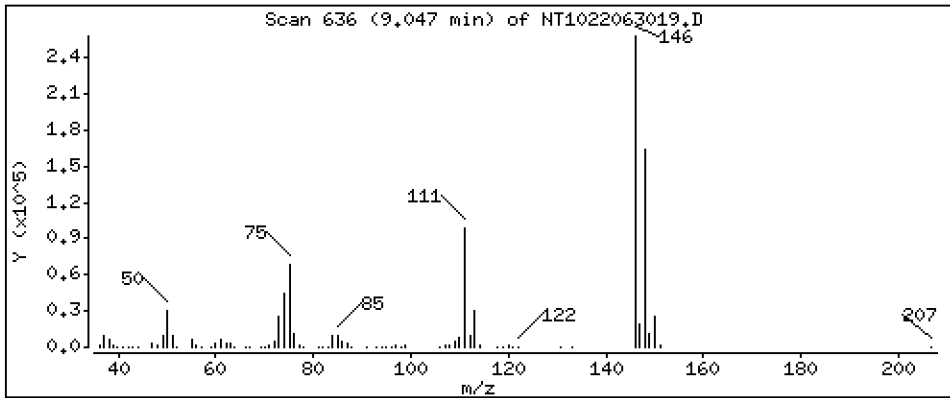
Operator: VTS

Column phase: ZB-5msi

Column diameter: 0.25

7 1,3-Dichlorobenzene

Concentration: 4.931 ug/mL



Date : 01-JUL-2022 01:13

Client ID:

Instrument: nt10.i

Sample Info: SKG0010-CCV1

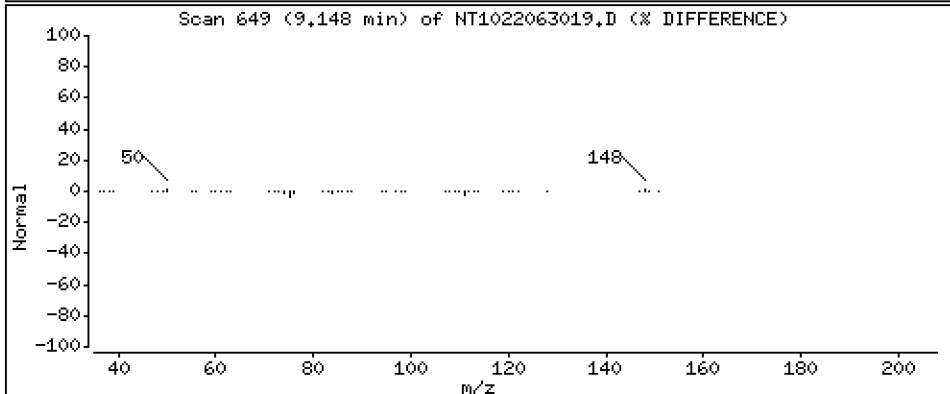
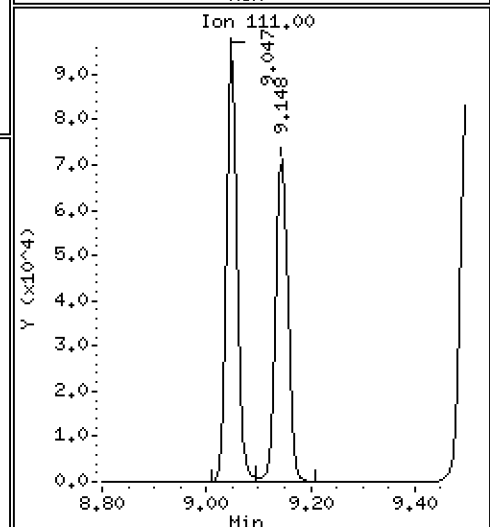
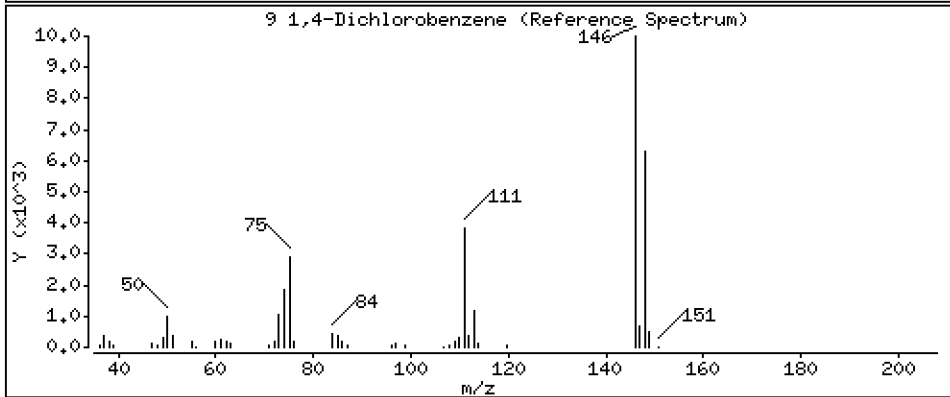
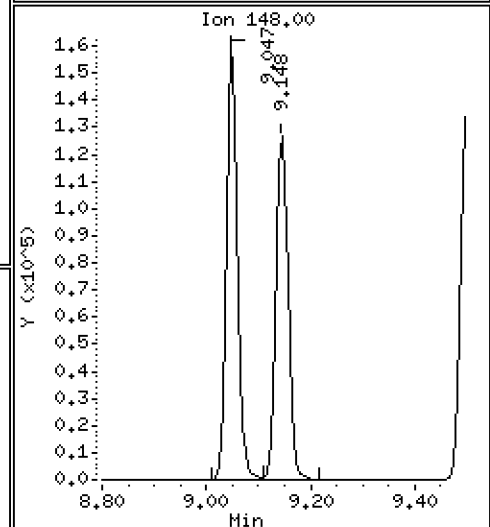
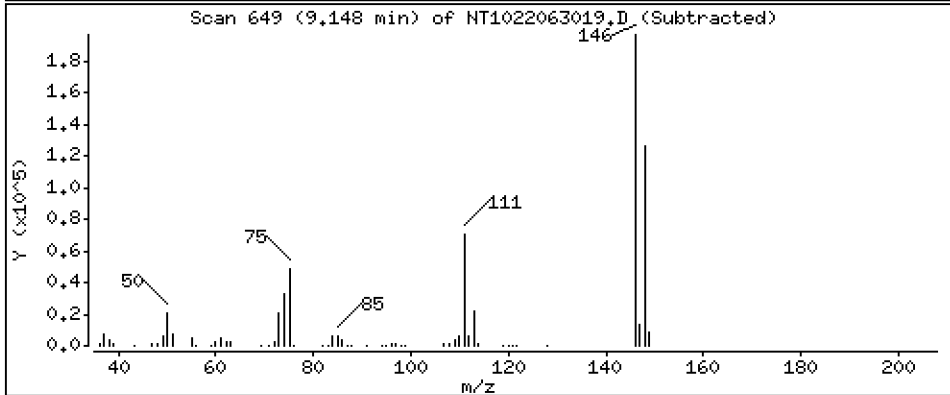
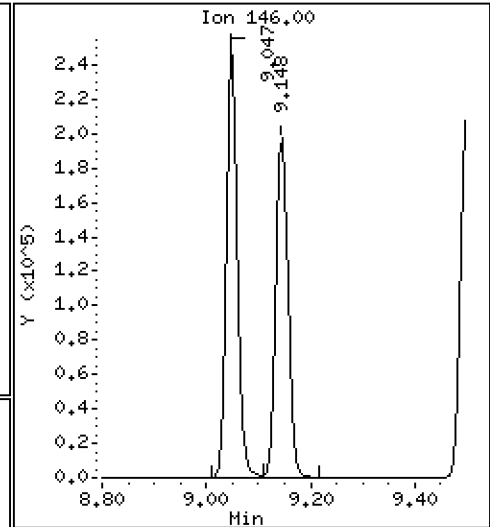
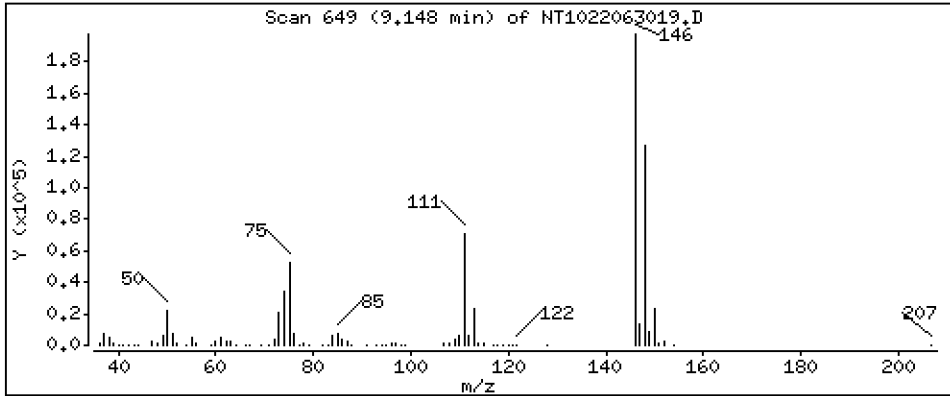
Operator: VTS

Column phase: ZB-5msi

Column diameter: 0,25

9 1,4-Dichlorobenzene

Concentration: 5,097 ug/mL



Date : 01-JUL-2022 01:13

Client ID:

Instrument: nt10.i

Sample Info: SKG0010-CCV1

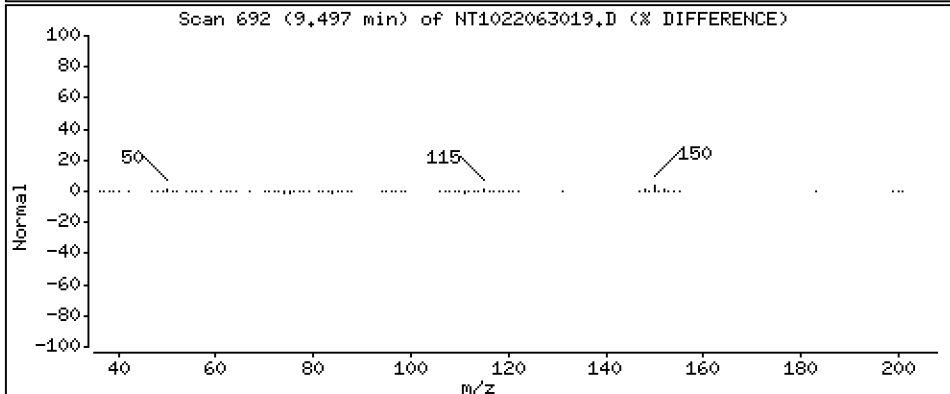
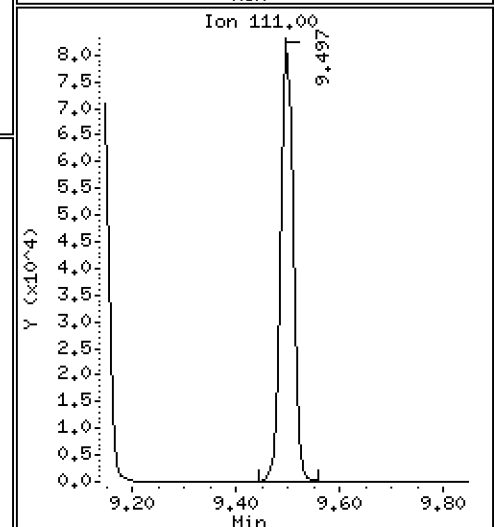
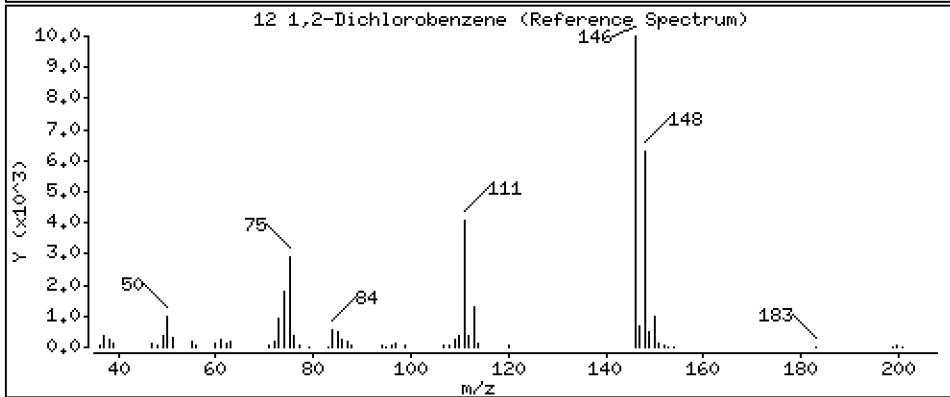
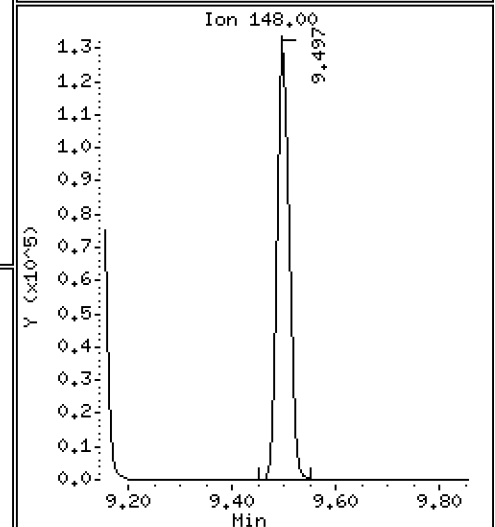
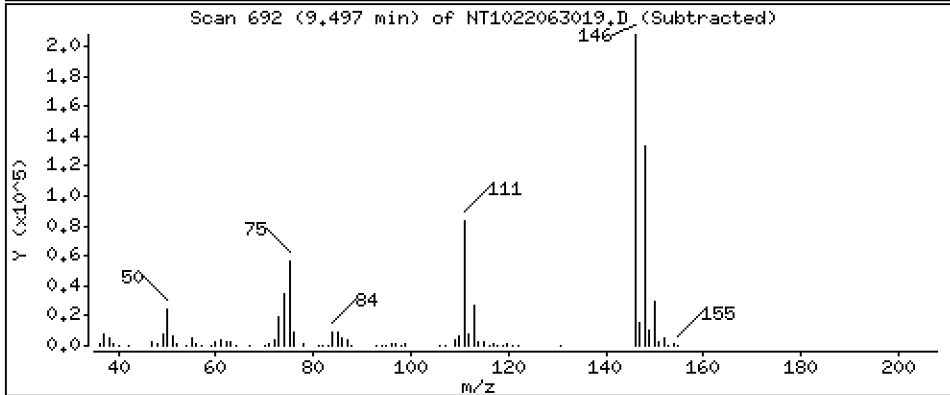
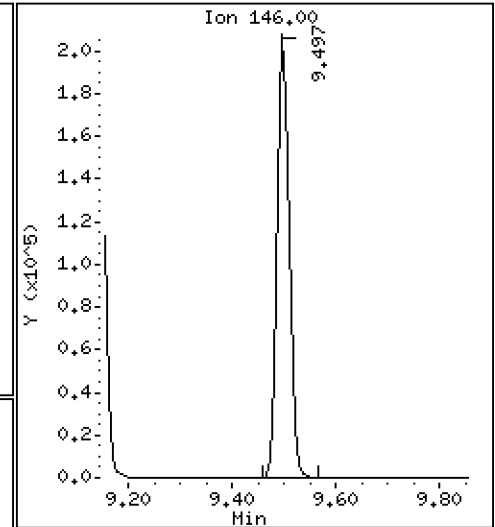
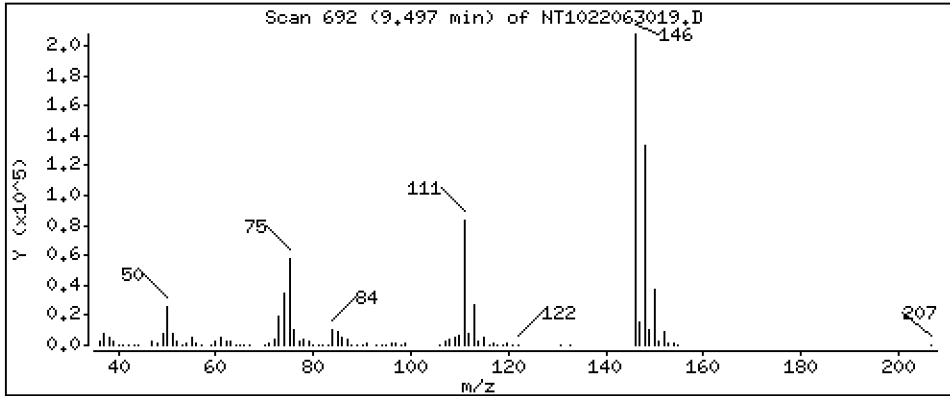
Operator: VTS

Column phase: ZB-5msi

Column diameter: 0,25

12 1,2-Dichlorobenzene

Concentration: 5,039 ug/mL



Date : 01-JUL-2022 01:13

Client ID:

Instrument: nt10.i

Sample Info: SKG0010-CCV1

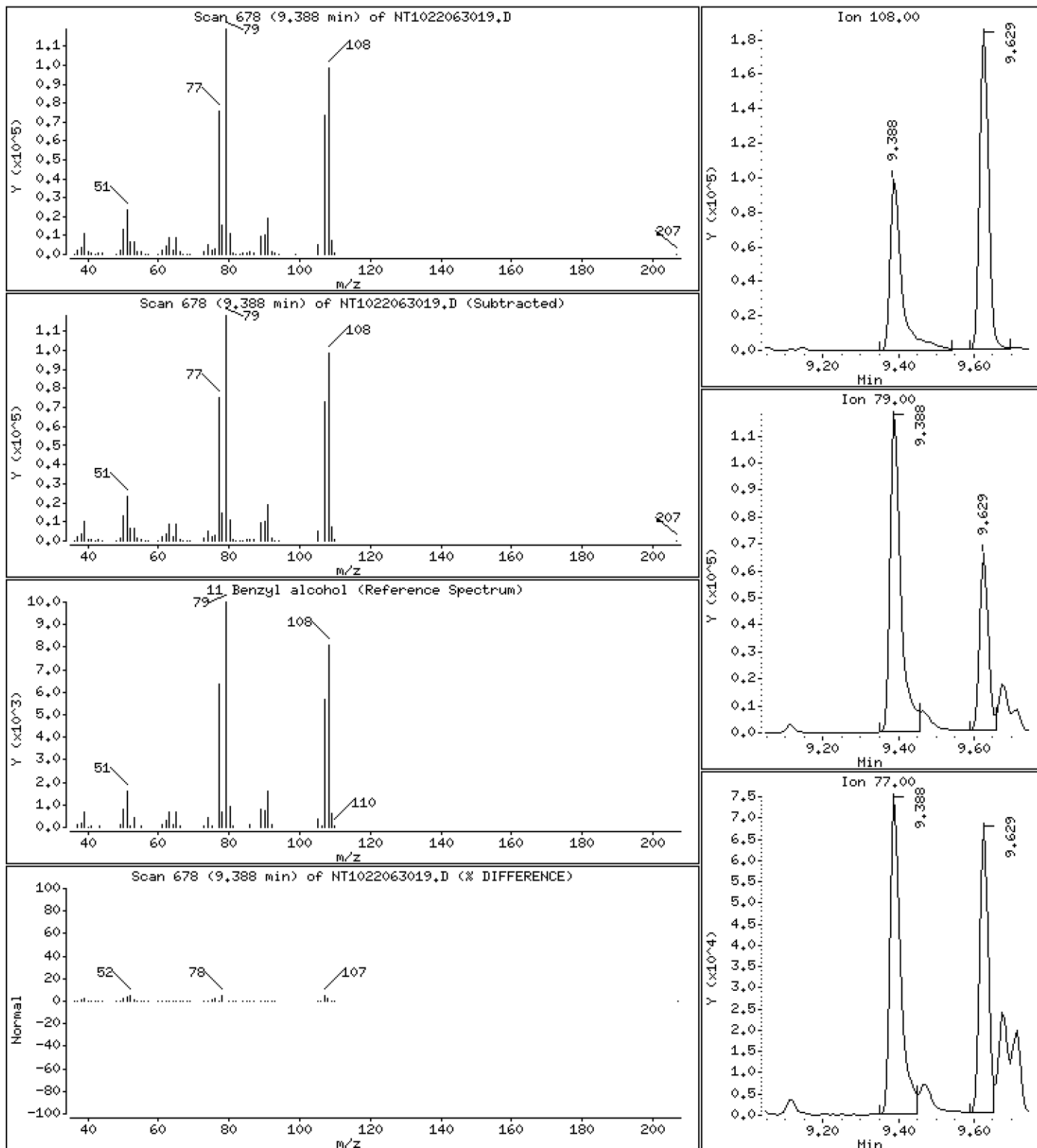
Operator: VTS

Column phase: ZB-5msi

Column diameter: 0.25

11 Benzyl alcohol

Concentration: 5.871 ug/mL



Date : 01-JUL-2022 01:13

Client ID:

Instrument: nt10.i

Sample Info: SKG0010-CCV1

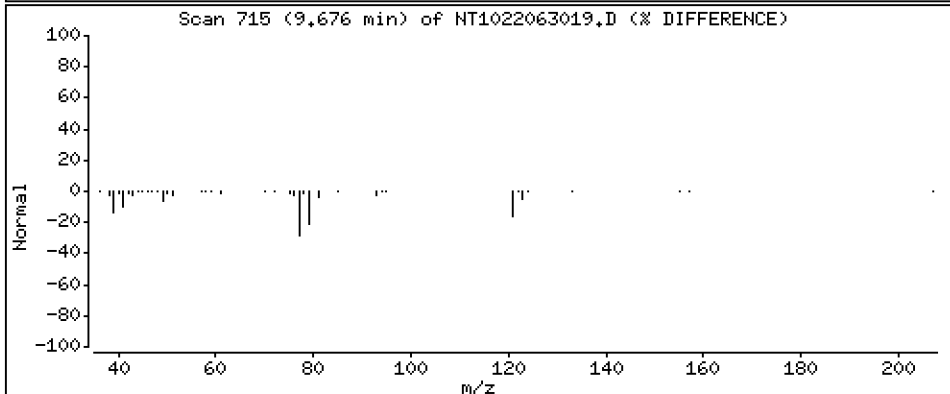
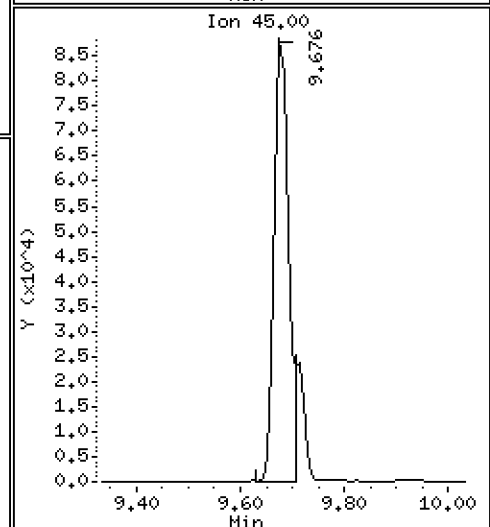
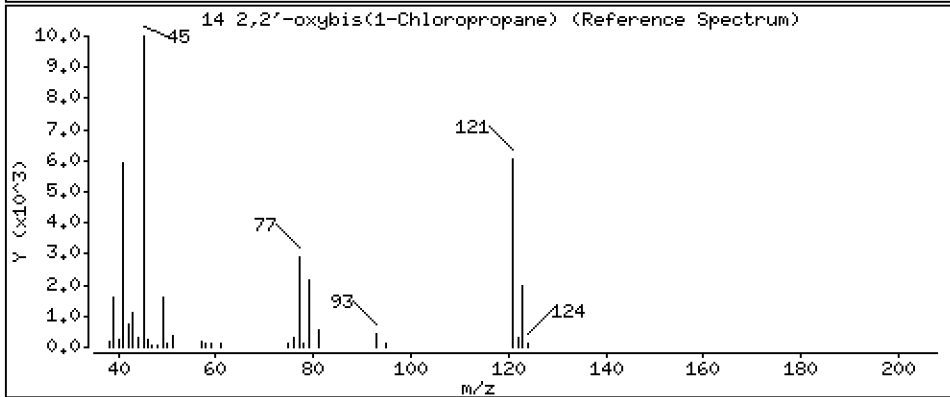
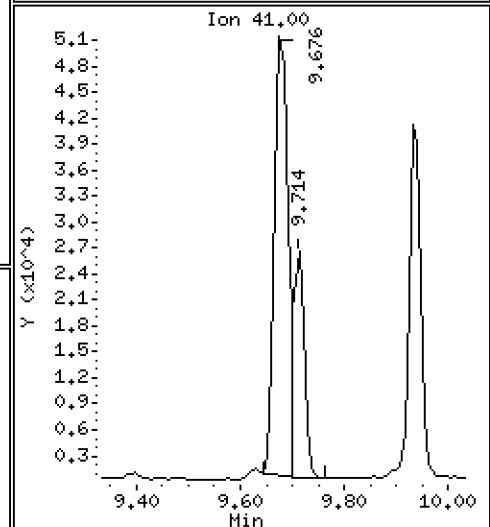
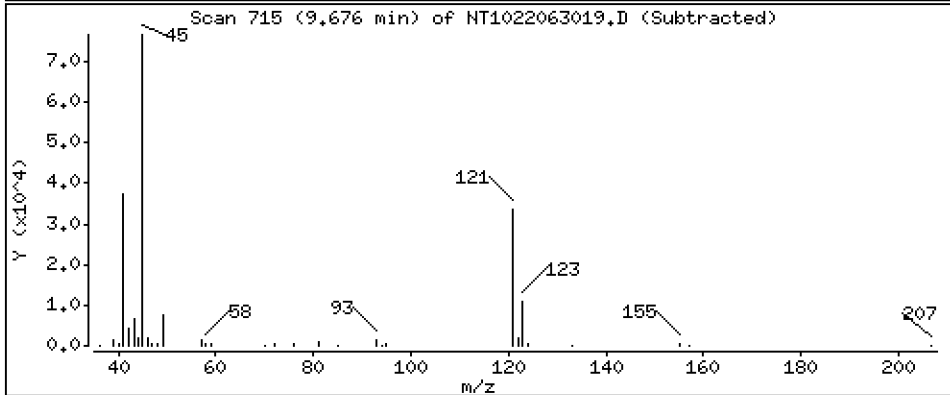
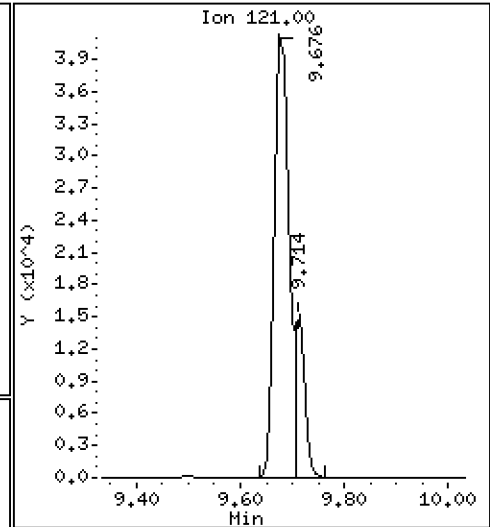
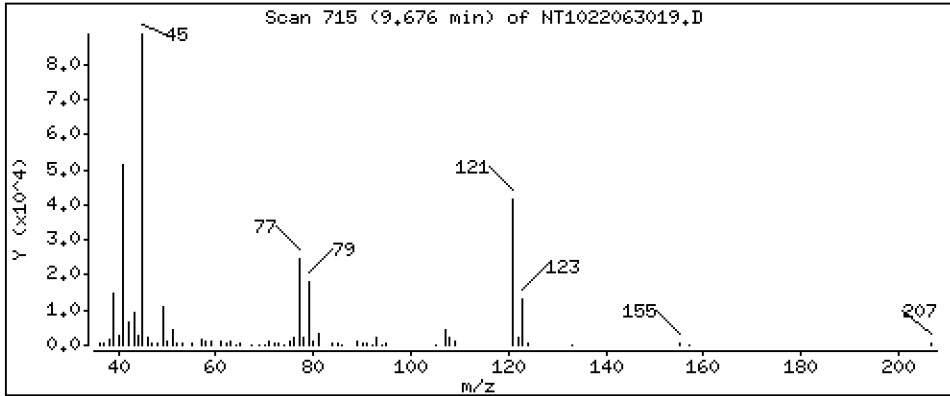
Operator: VTS

Column phase: ZB-5msi

Column diameter: 0.25

14 2,2'-oxybis(1-Chloropropane)

Concentration: 5.304 ug/mL



Date : 01-JUL-2022 01:13

Client ID:

Instrument: nt10.i

Sample Info: SKG0010-CCV1

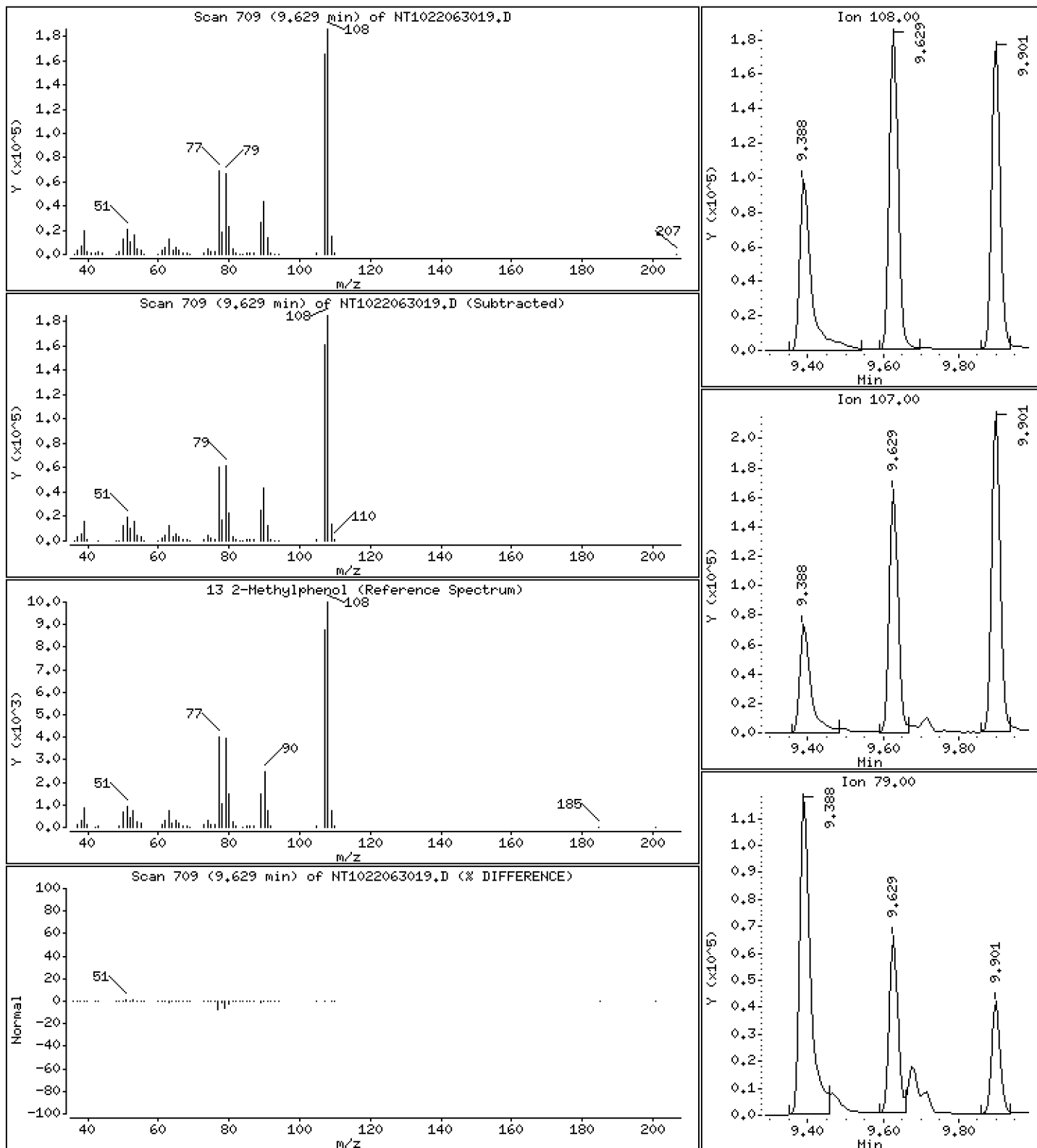
Operator: VTS

Column phase: ZB-5msi

Column diameter: 0.25

13 2-Methylphenol

Concentration: 5.125 ug/mL



Date : 01-JUL-2022 01:13

Client ID:

Instrument: nt10.i

Sample Info: SKG0010-CCV1

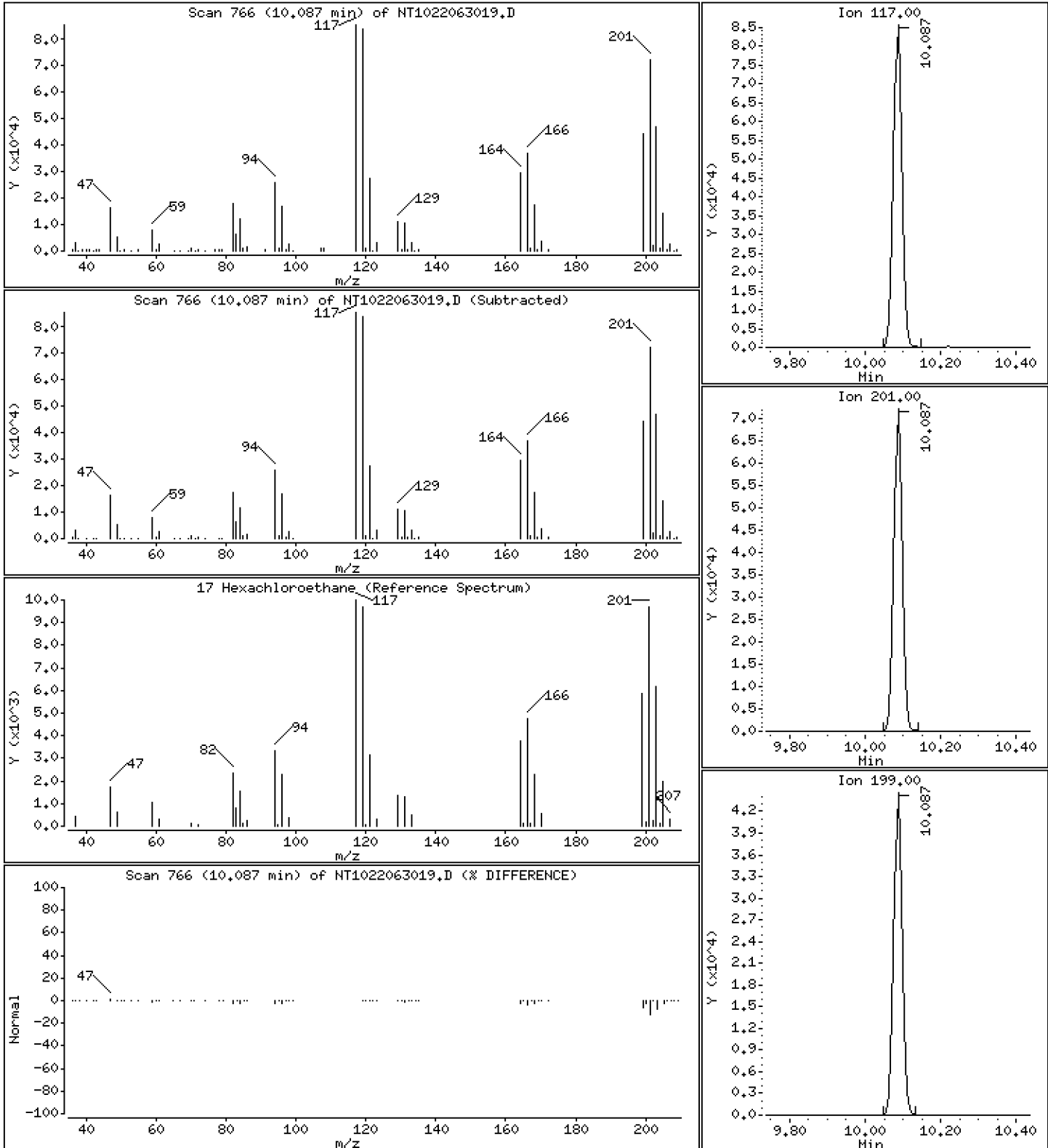
Operator: VTS

Column phase: ZB-5msi

Column diameter: 0.25

17 Hexachloroethane

Concentration: 4.723 ug/mL



Date : 01-JUL-2022 01:13

Client ID:

Instrument: nt10.i

Sample Info: SKG0010-CCV1

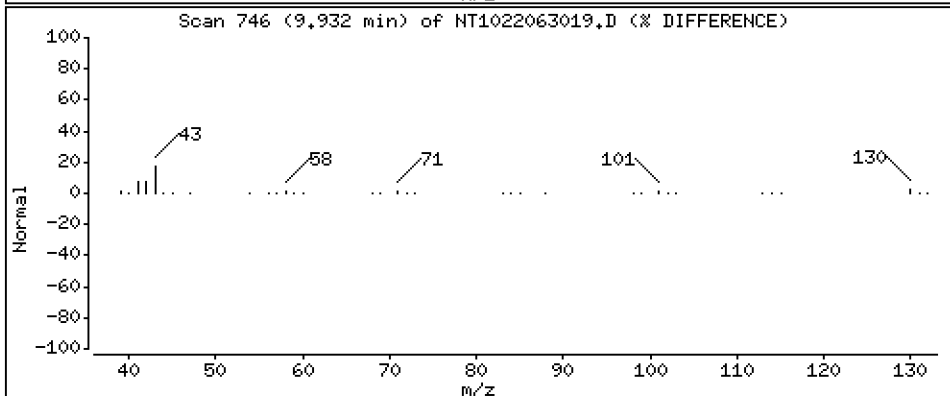
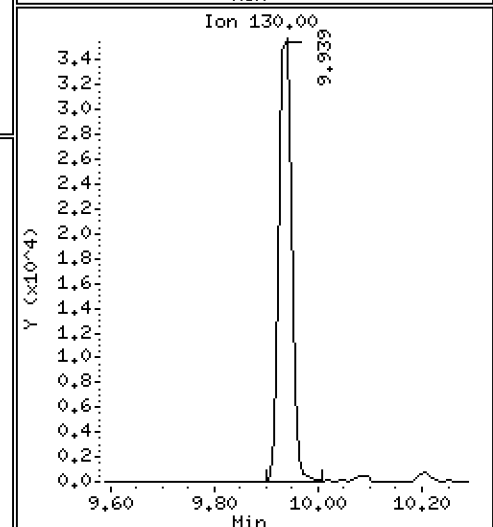
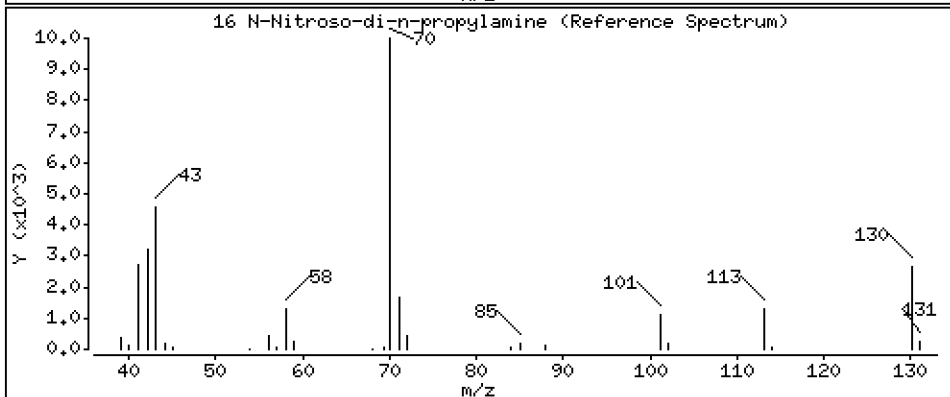
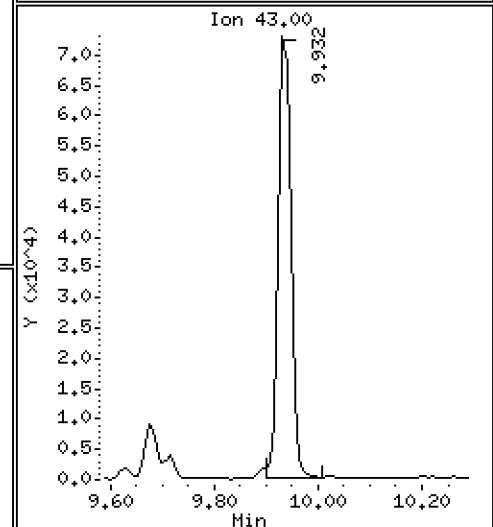
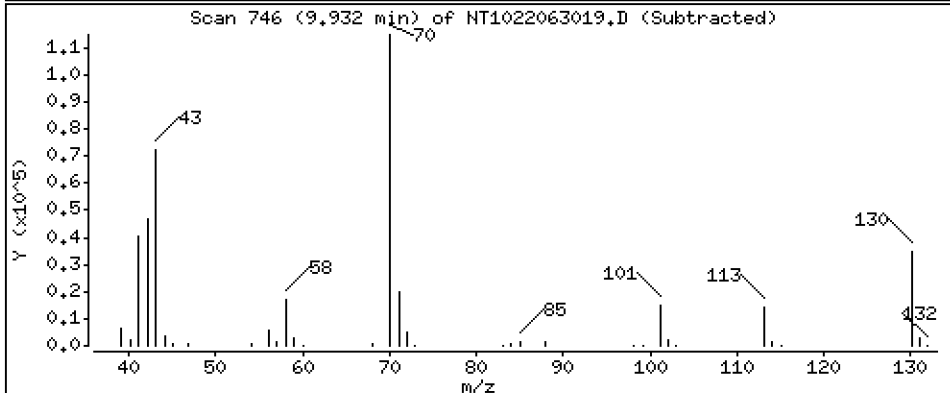
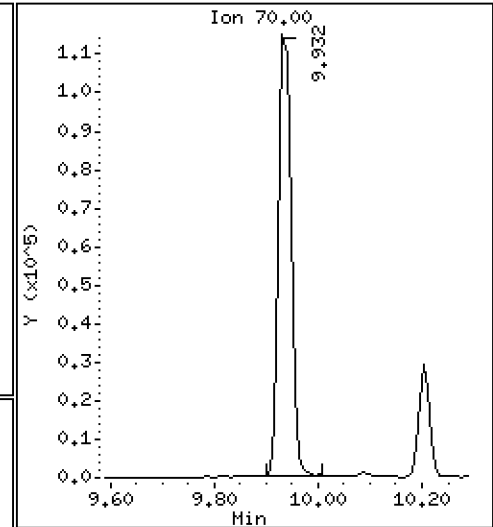
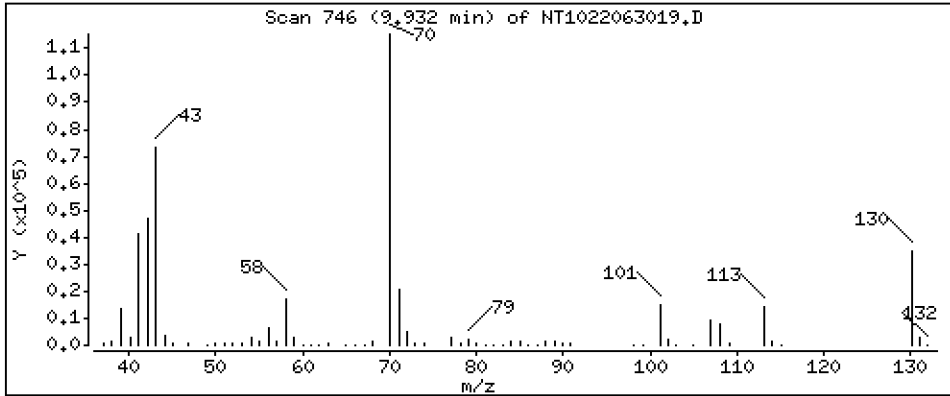
Operator: VTS

Column phase: ZB-5msi

Column diameter: 0.25

16 N-Nitroso-di-n-propylamine

Concentration: 4.801 ug/mL



Date : 01-JUL-2022 01:13

Client ID:

Instrument: nt10.i

Sample Info: SKG0010-CCV1

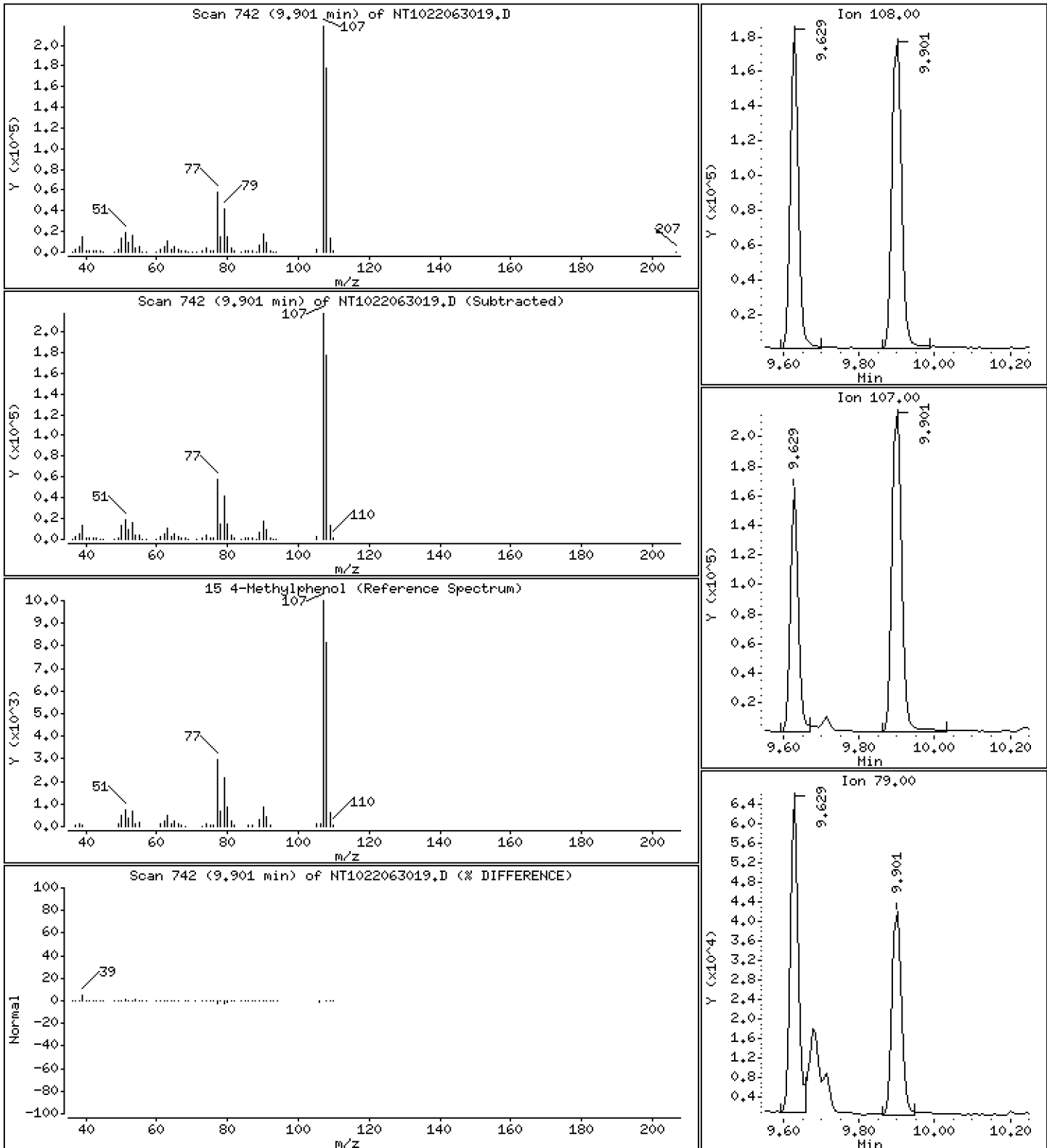
Operator: VTS

Column phase: ZB-5msi

Column diameter: 0.25

Concentration: 5.051 ug/mL

15 4-Methylphenol



Date : 01-JUL-2022 01:13

Client ID:

Instrument: nt10.i

Sample Info: SKG0010-CCV1

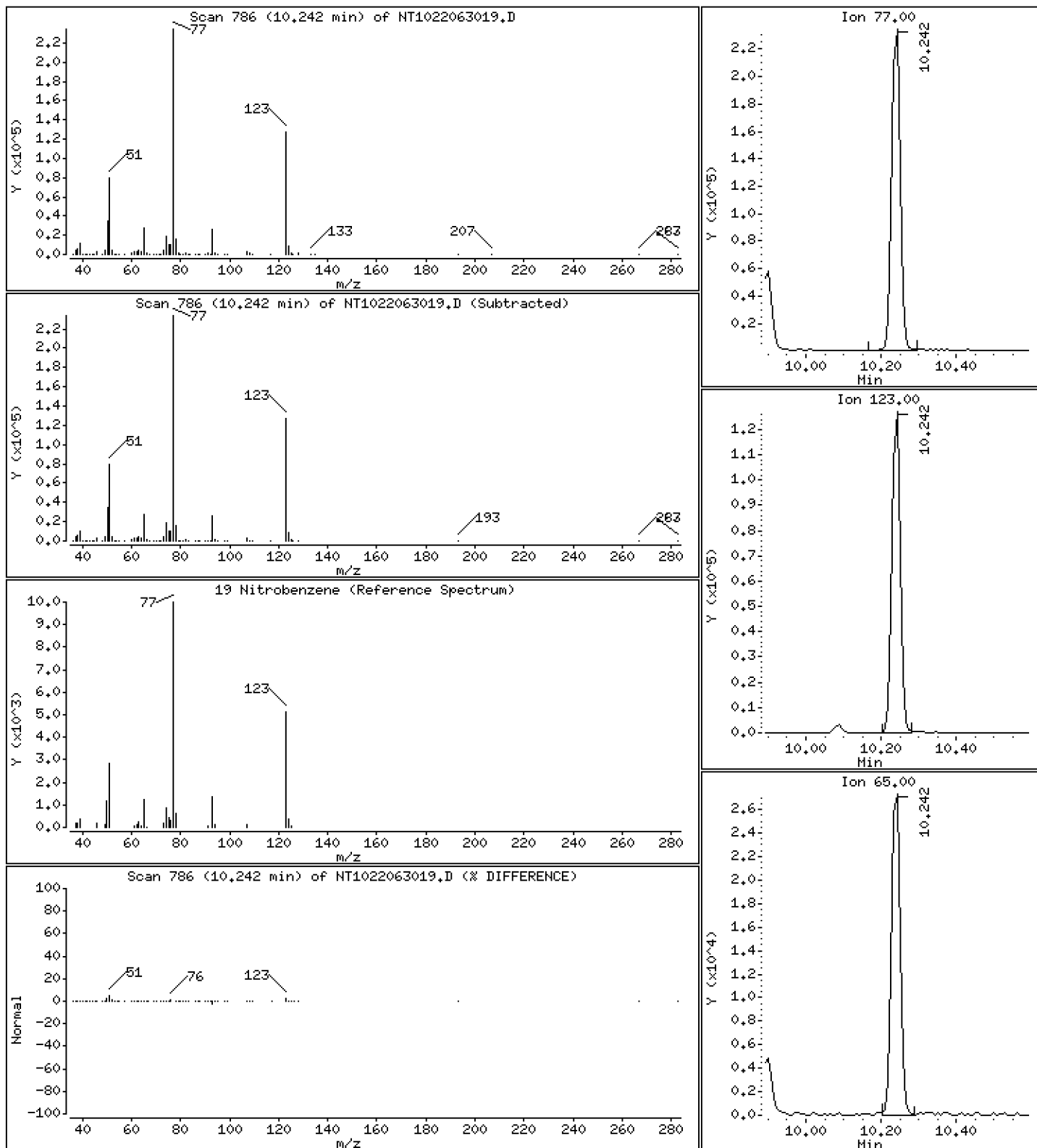
Operator: VTS

Column phase: ZB-5msi

Column diameter: 0,25

19 Nitrobenzene

Concentration: 5,306 ug/mL



Date : 01-JUL-2022 01:13

Client ID:

Instrument: nt10.i

Sample Info: SKG0010-CCV1

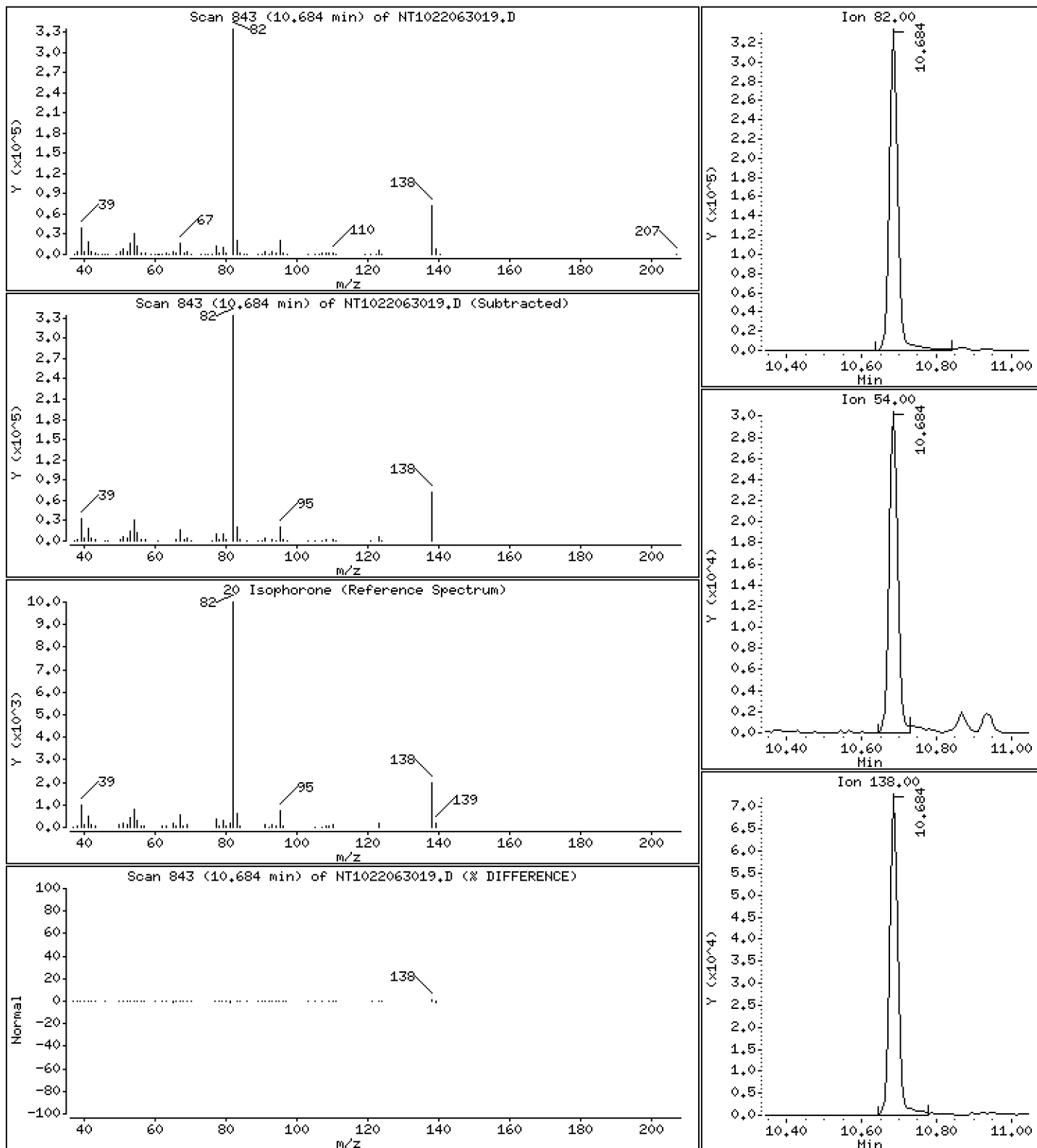
Operator: VTS

Column phase: ZB-5msi

Column diameter: 0,25

20 Isophorone

Concentration: 6,224 ug/mL



Date : 01-JUL-2022 01:13

Client ID:

Instrument: nt10.i

Sample Info: SKG0010-CCV1

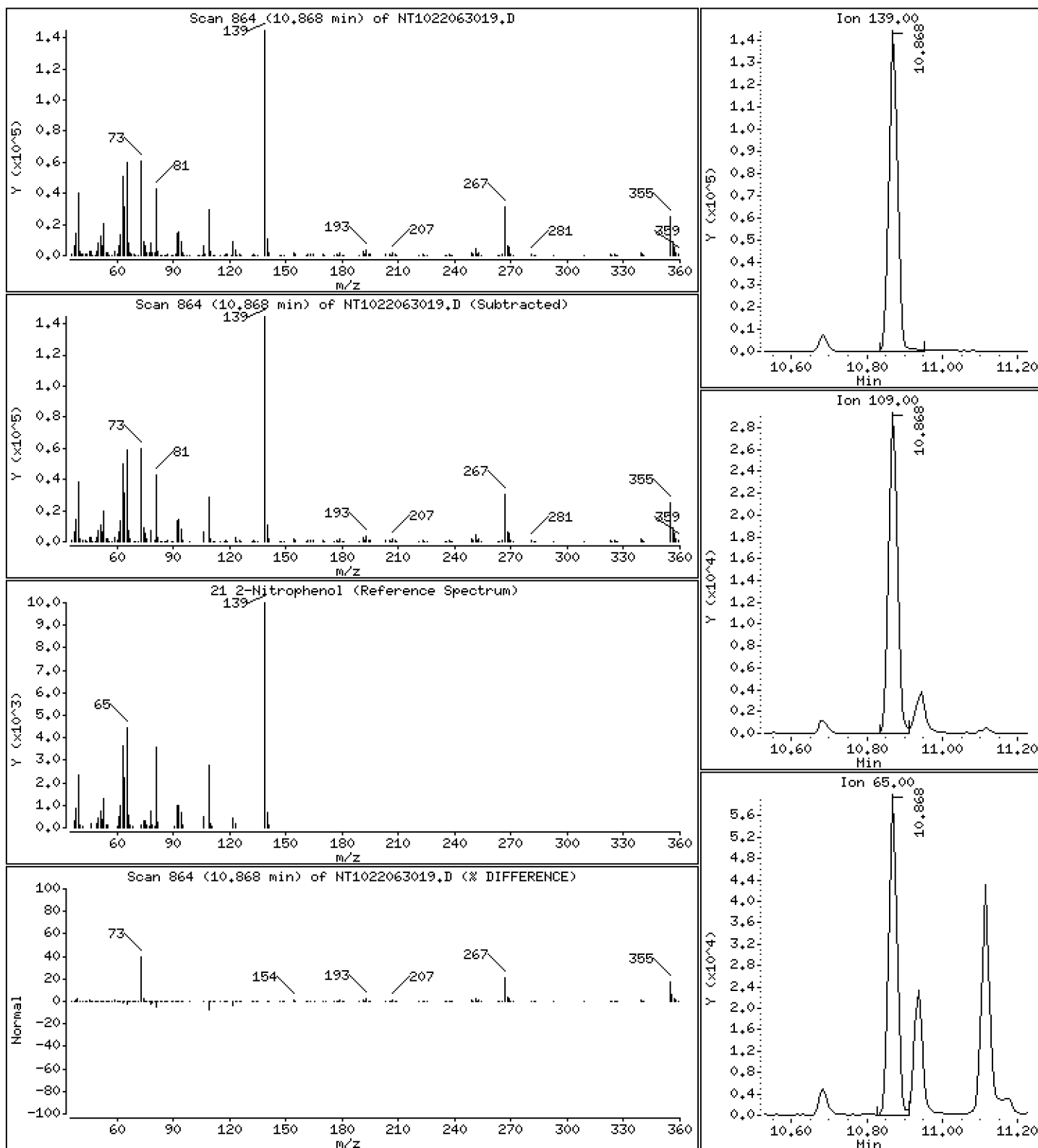
Operator: VTS

Column phase: ZB-5msi

Column diameter: 0,25

21 2-Nitrophenol

Concentration: 5,492 ug/mL



Date : 01-JUL-2022 01:13

Client ID:

Instrument: nt10.i

Sample Info: SKG0010-CCV1

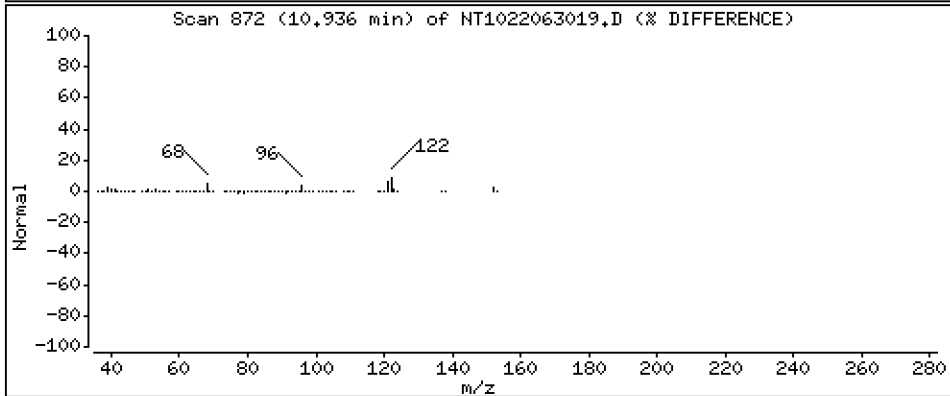
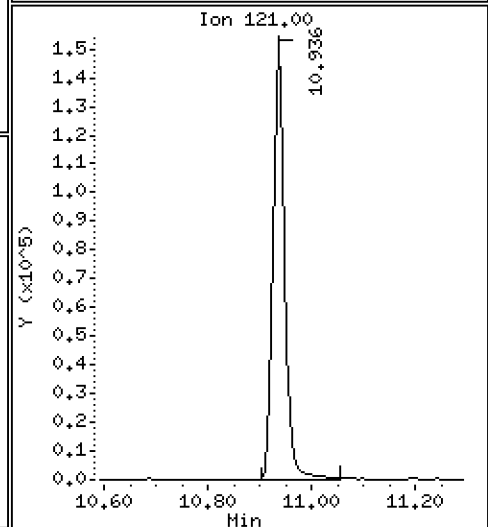
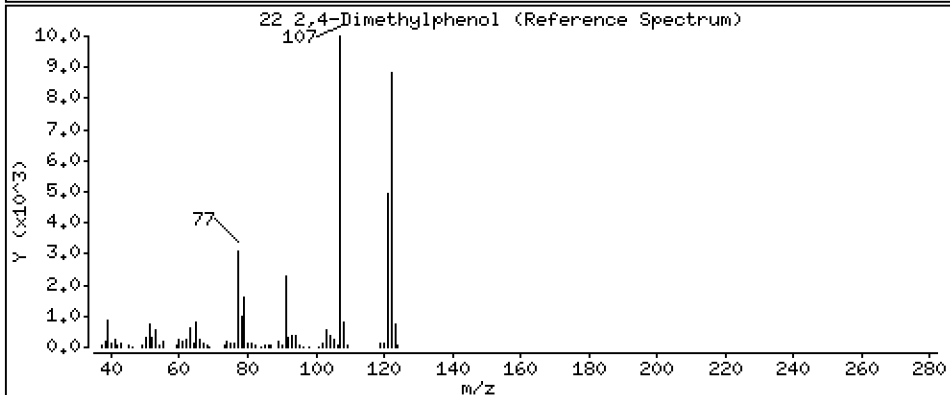
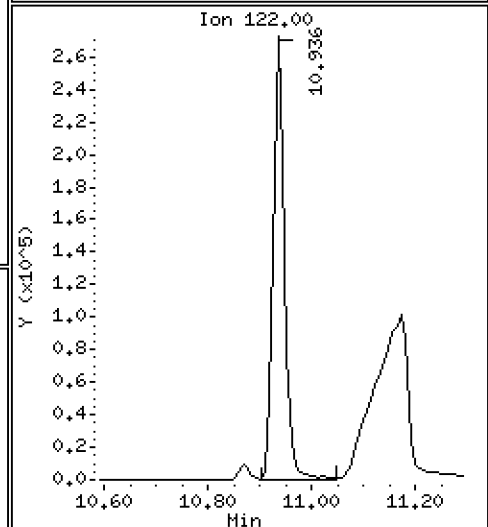
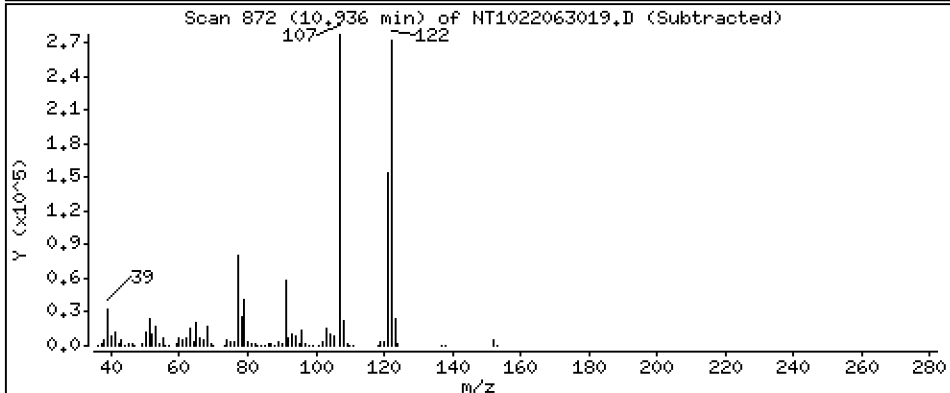
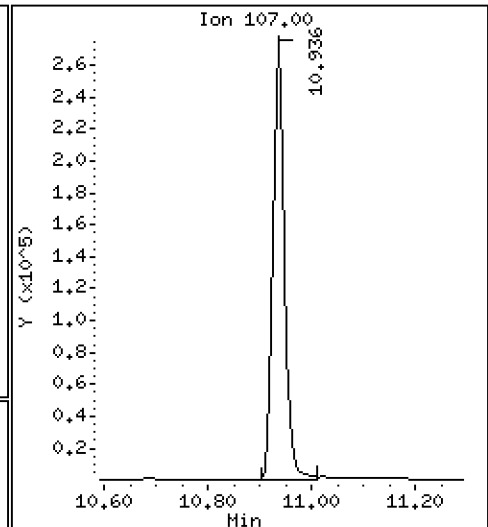
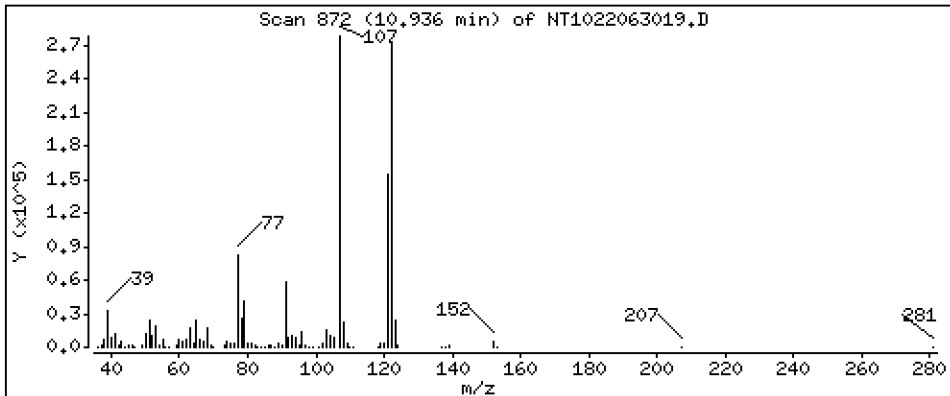
Operator: VTS

Column phase: ZB-5msi

Column diameter: 0,25

22 2,4-Dimethylphenol

Concentration: 8,677 ug/mL



Date : 01-JUL-2022 01:13

Client ID:

Instrument: nt10.i

Sample Info: SKG0010-CCV1

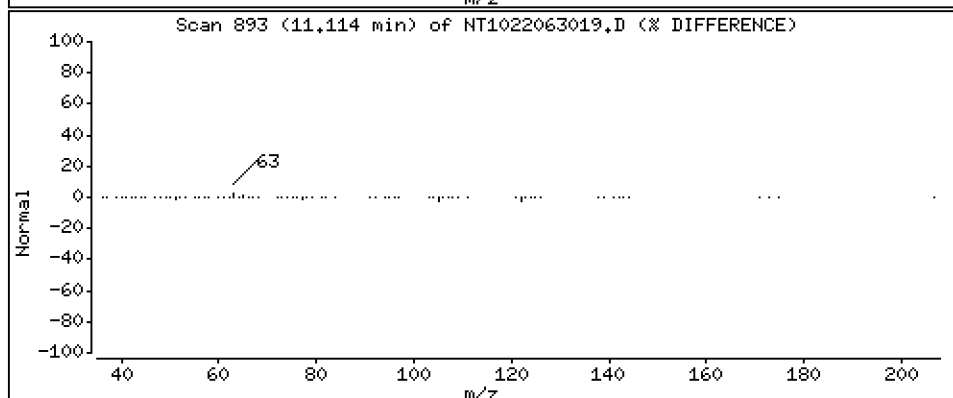
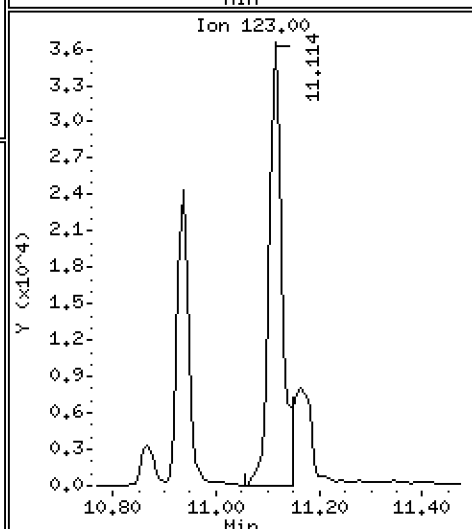
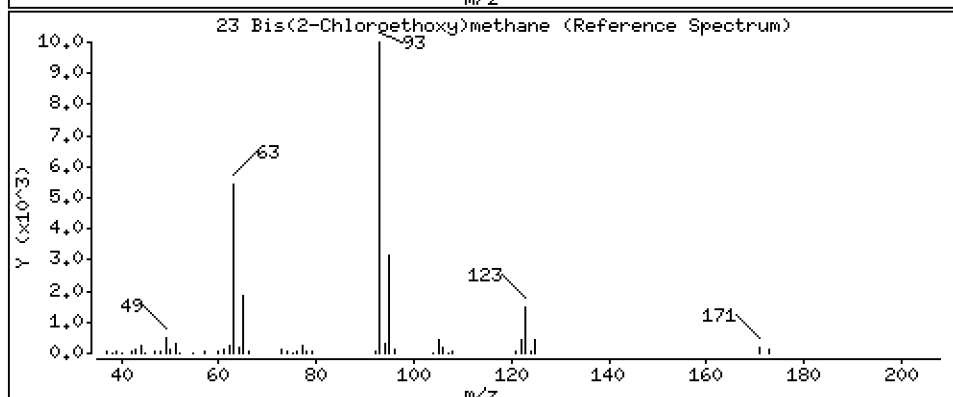
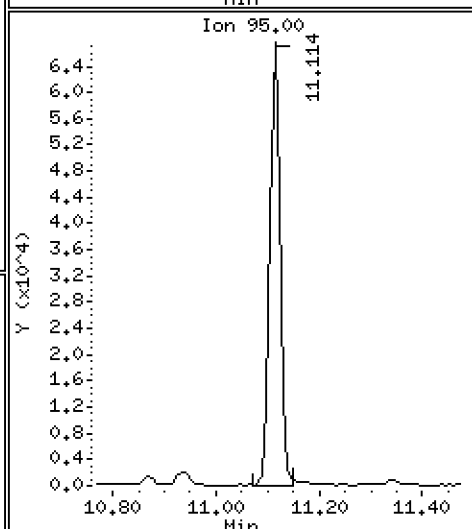
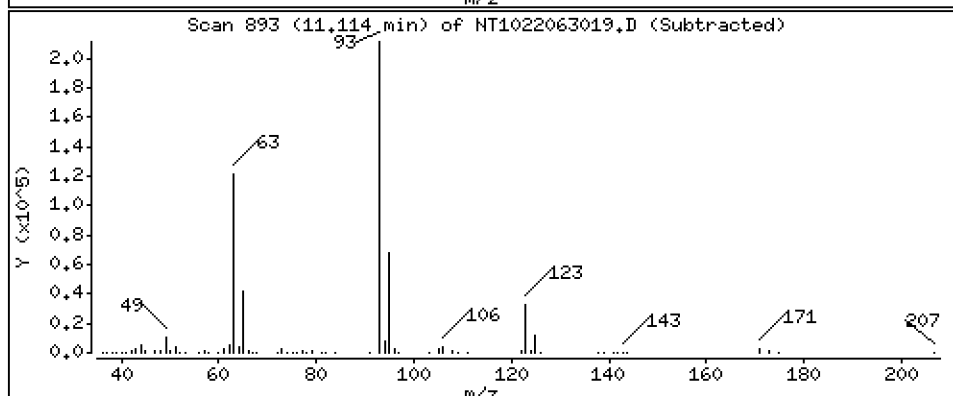
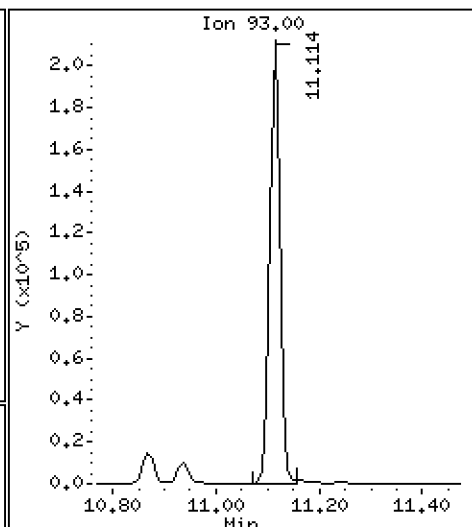
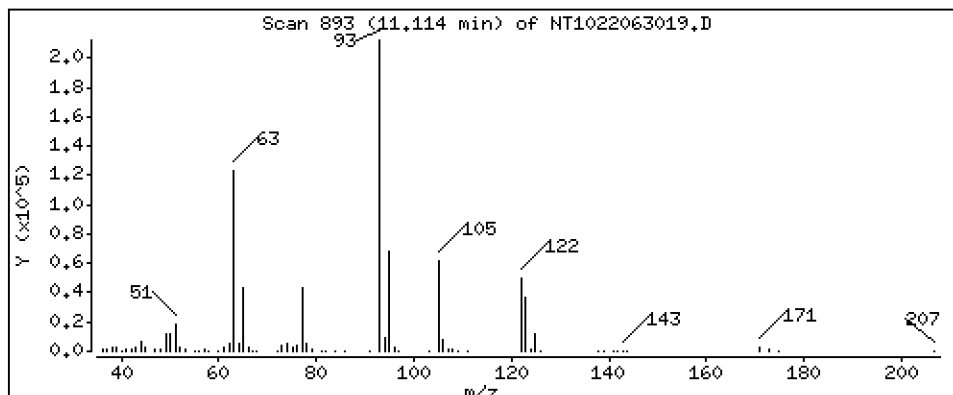
Operator: VTS

Column phase: ZB-5msi

Column diameter: 0,25

23 Bis(2-Chloroethoxy)methane

Concentration: 5,091 ug/mL



Date : 01-JUL-2022 01:13

Client ID:

Instrument: nt10.i

Sample Info: SKG0010-CCV1

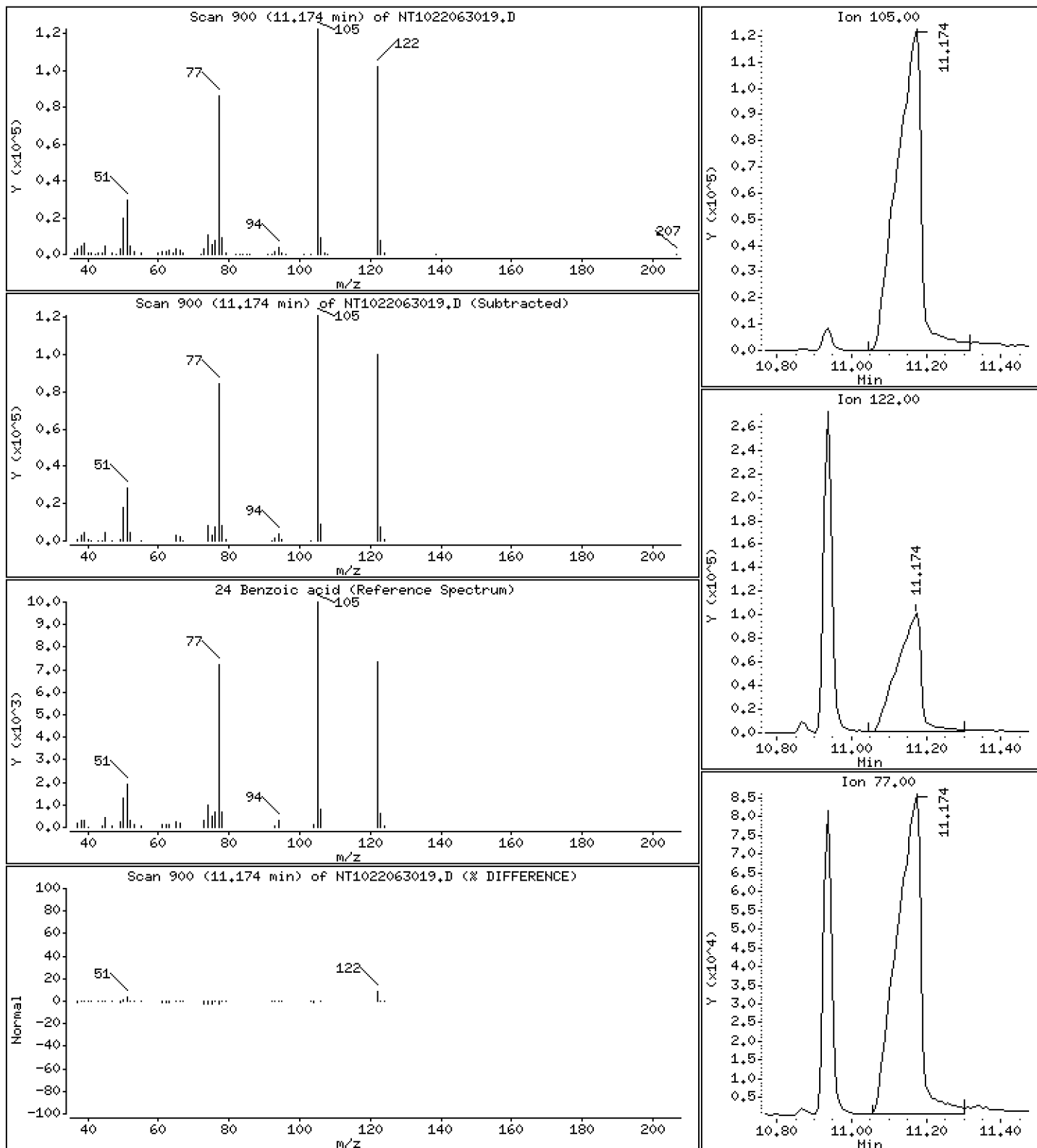
Operator: VTS

Column phase: ZB-5msi

Column diameter: 0,25

24 Benzoic acid

Concentration: 20,81 ug/mL



Date : 01-JUL-2022 01:13

Client ID:

Instrument: nt10.i

Sample Info: SKG0010-CCV1

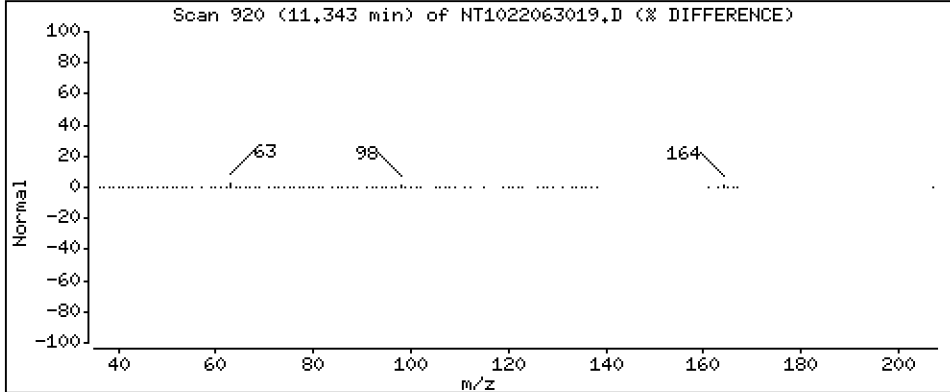
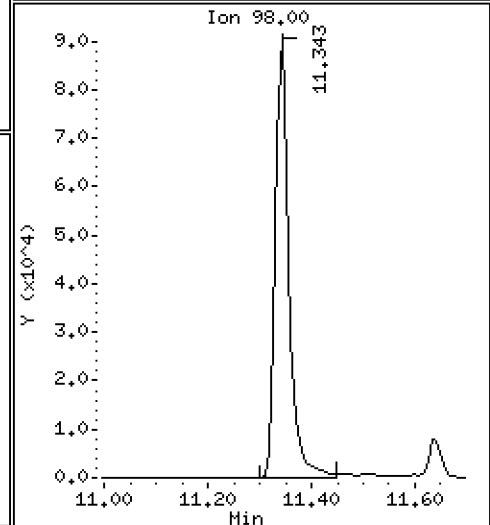
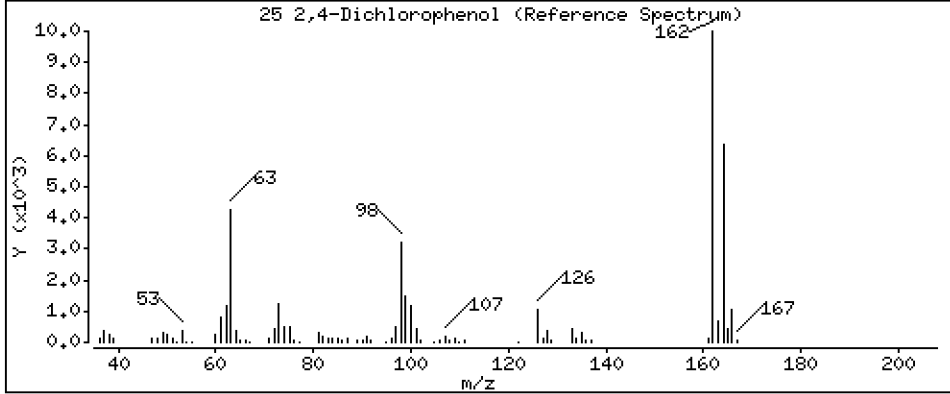
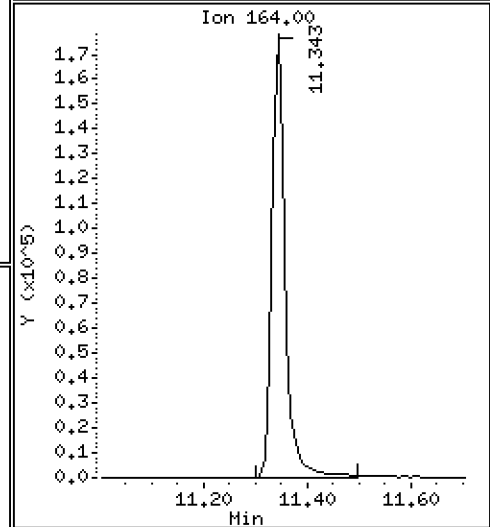
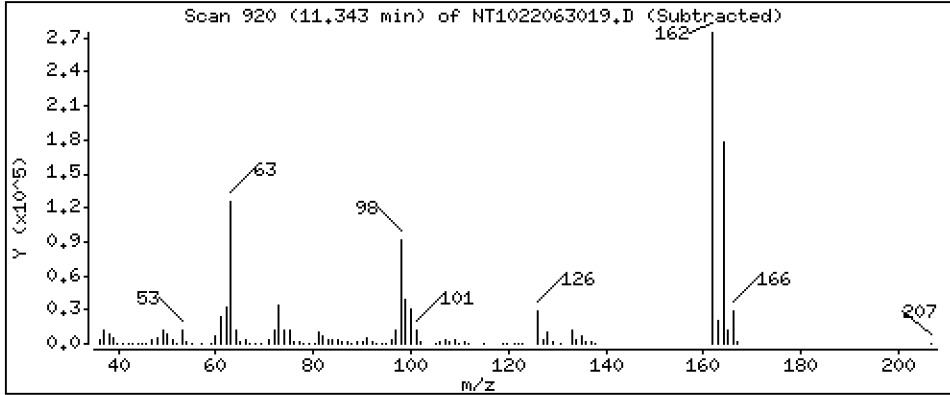
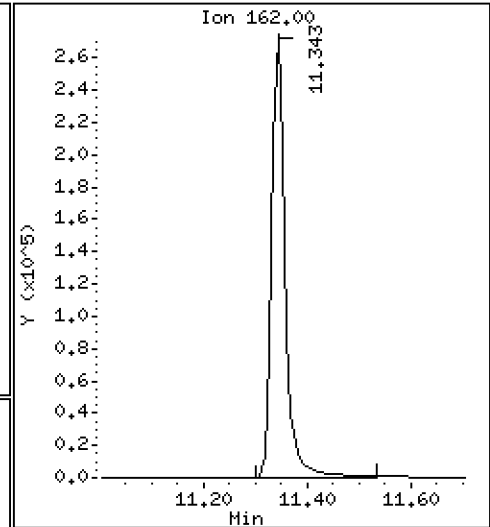
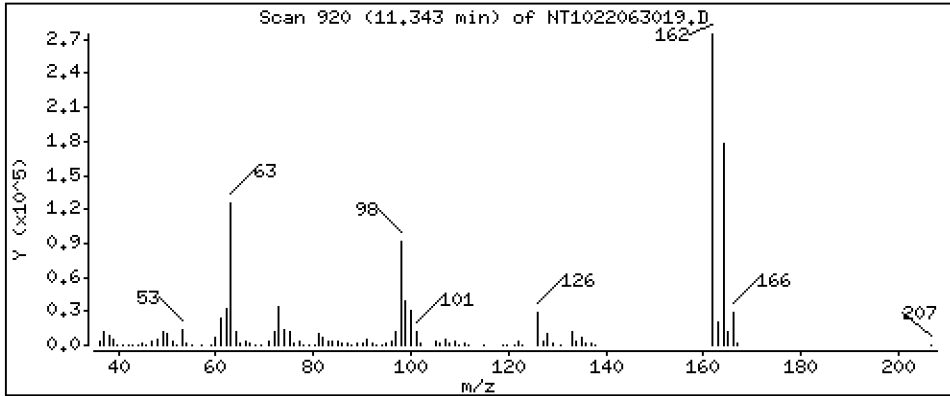
Operator: VTS

Column phase: ZB-5msi

Column diameter: 0,25

25 2,4-Dichlorophenol

Concentration: 9,924 ug/mL



Date : 01-JUL-2022 01:13

Client ID:

Instrument: nt10.i

Sample Info: SKG0010-CCV1

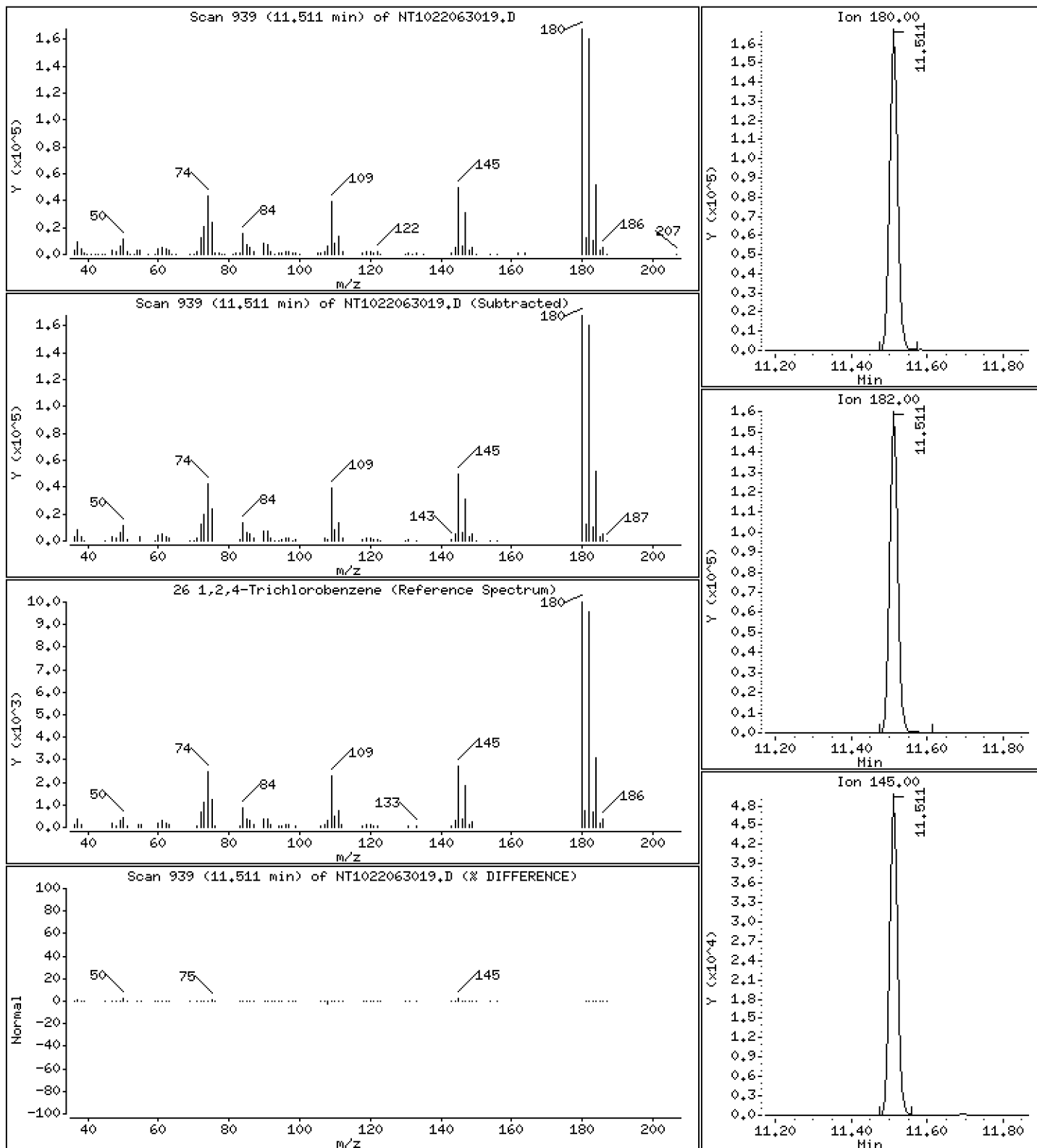
Operator: VTS

Column phase: ZB-5msi

Column diameter: 0,25

26 1,2,4-Trichlorobenzene

Concentration: 4,643 ug/mL



Date : 01-JUL-2022 01:13

Client ID:

Instrument: nt10.i

Sample Info: SKG0010-CCV1

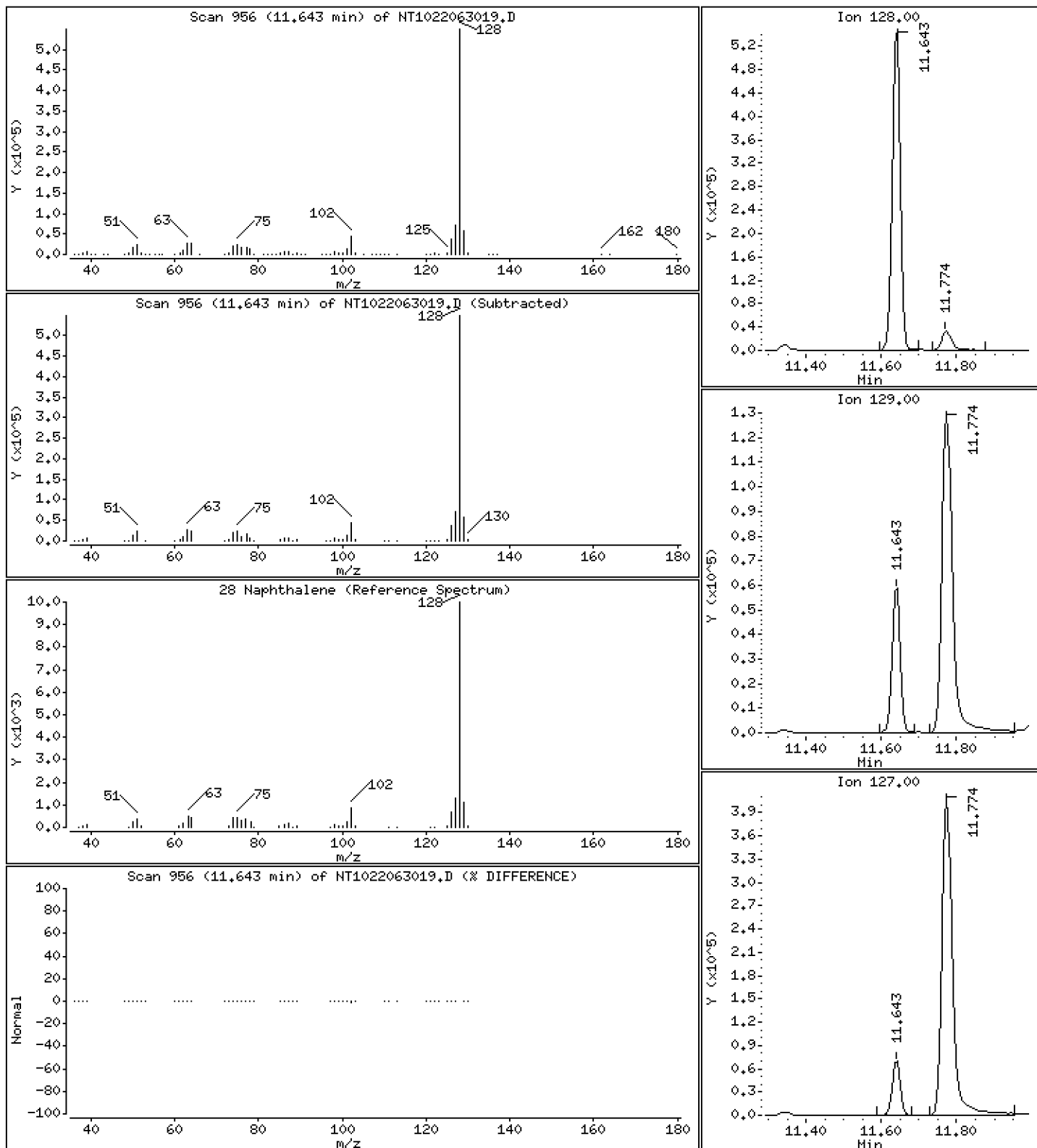
Operator: VTS

Column phase: ZB-5msi

Column diameter: 0.25

28 Naphthalene

Concentration: 5.378 ug/mL



Date : 01-JUL-2022 01:13

Client ID:

Instrument: nt10.i

Sample Info: SKG0010-CCV1

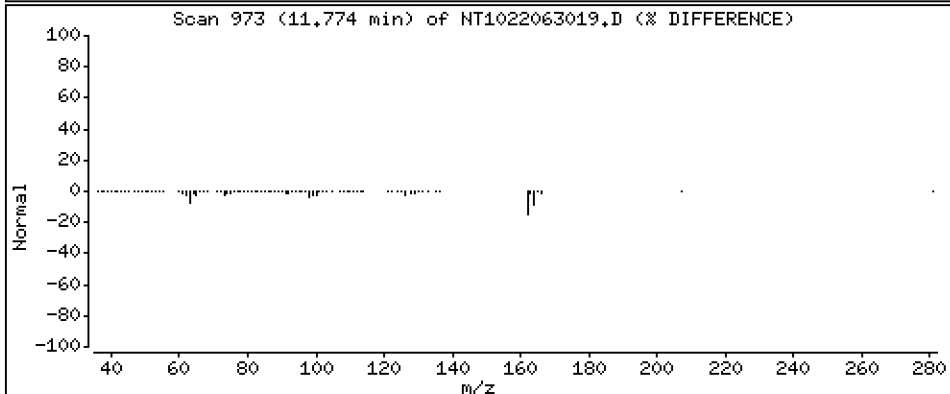
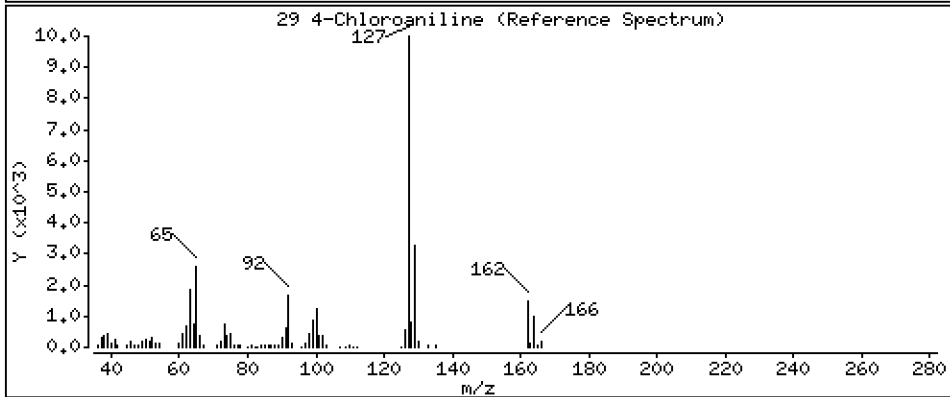
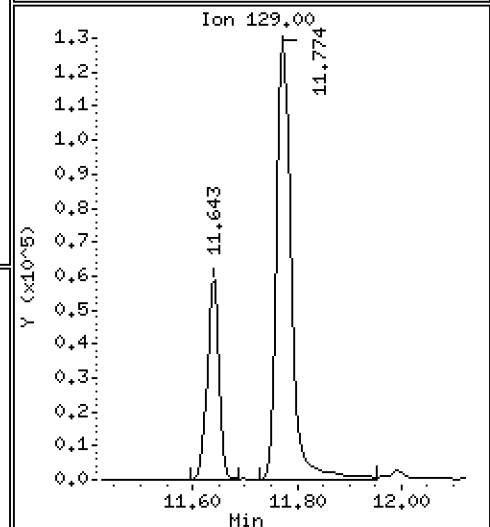
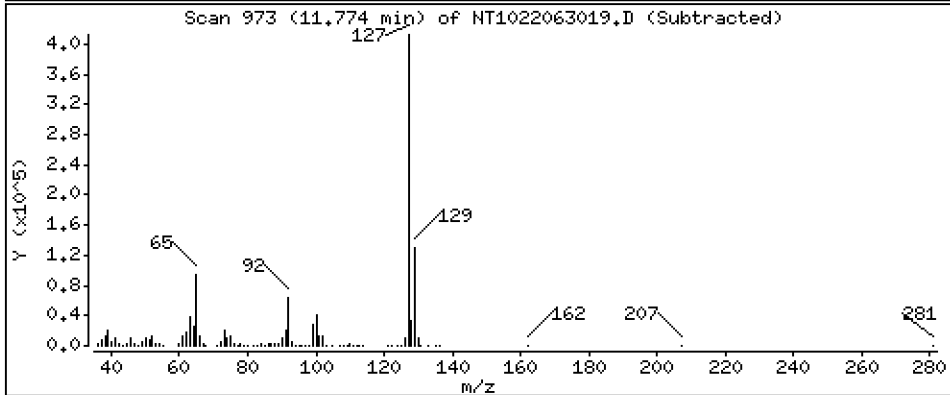
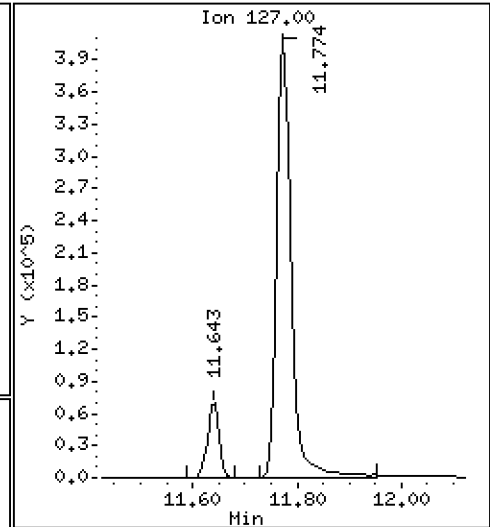
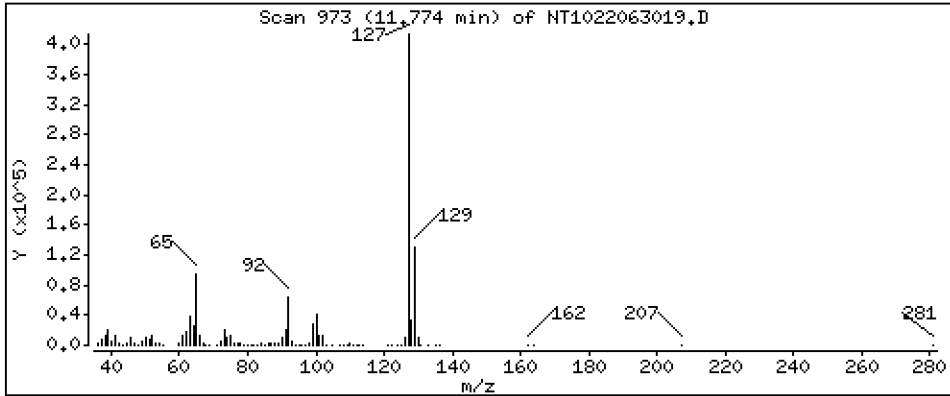
Operator: VTS

Column phase: ZB-5msi

Column diameter: 0,25

29 4-Chloroaniline

Concentration: 11,65 ug/mL



Date : 01-JUL-2022 01:13

Client ID:

Instrument: nt10.i

Sample Info: SKG0010-CCV1

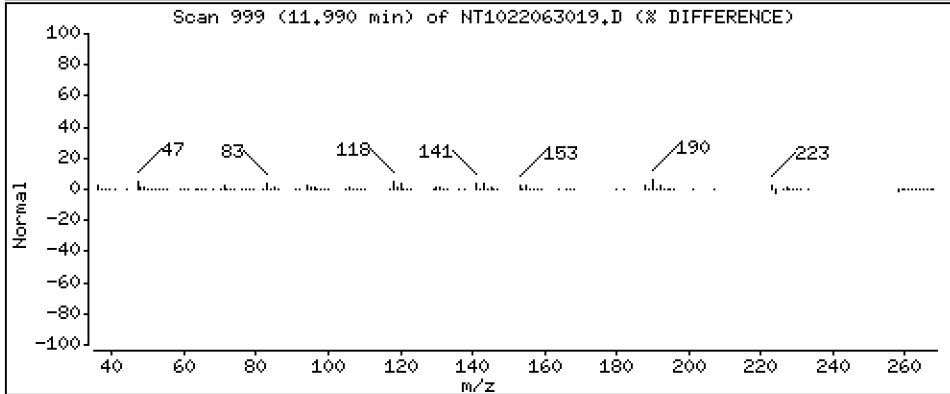
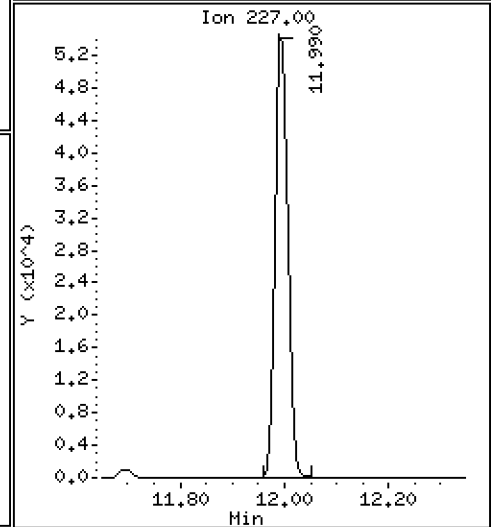
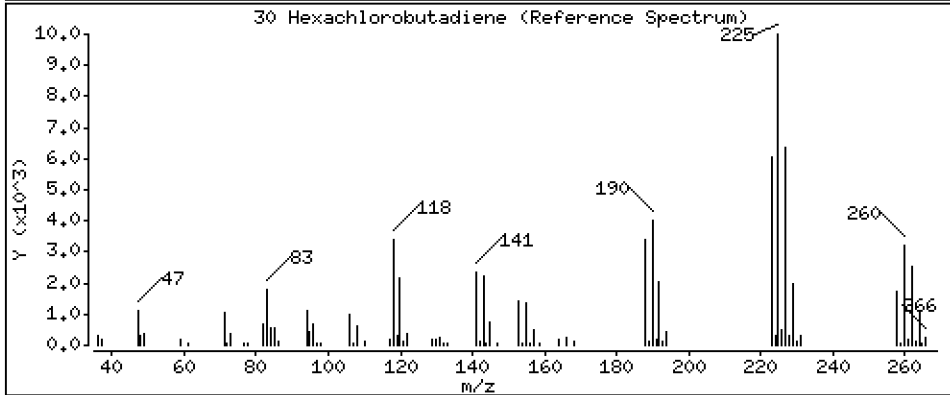
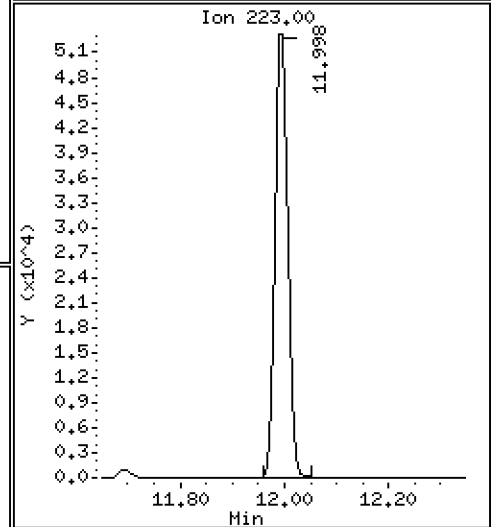
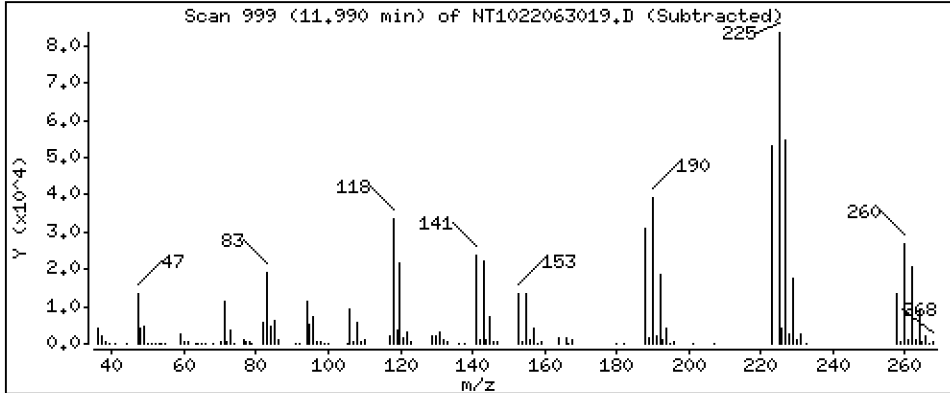
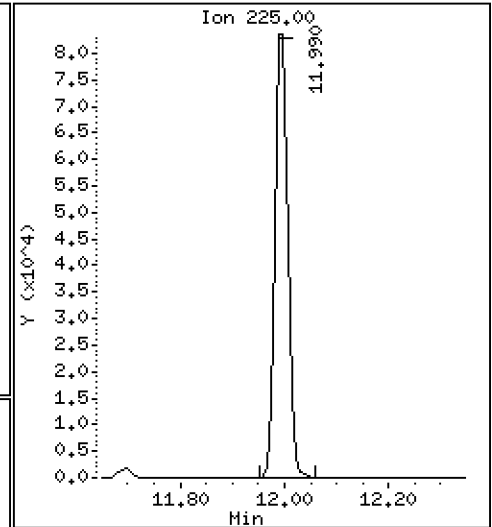
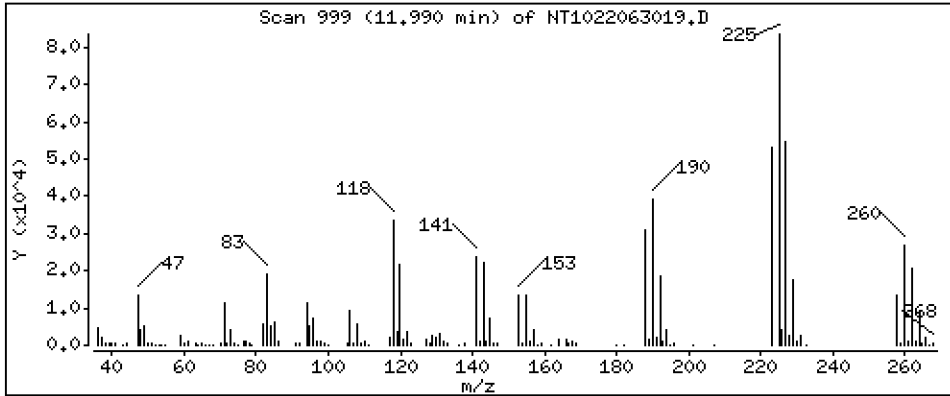
Operator: VTS

Column phase: ZB-5msi

Column diameter: 0,25

30 Hexachlorobutadiene

Concentration: 5,202 ug/mL



Date : 01-JUL-2022 01:13

Client ID:

Instrument: nt10.i

Sample Info: SKG0010-CCV1

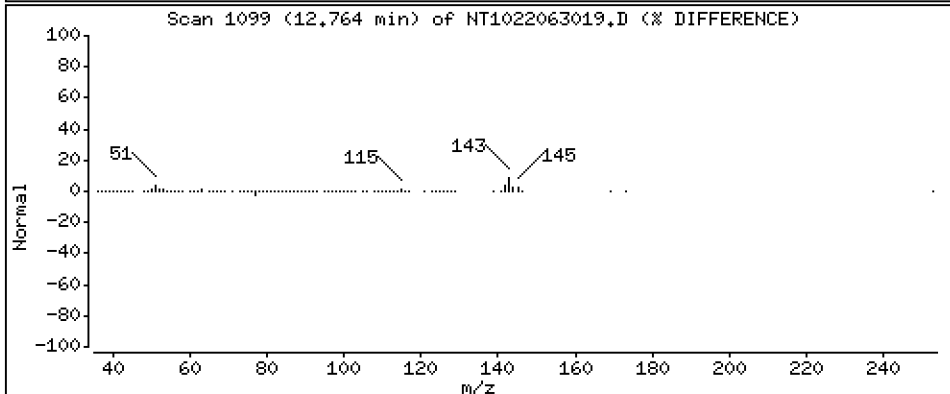
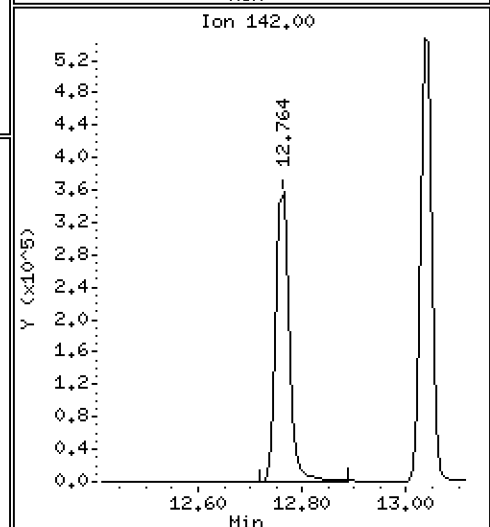
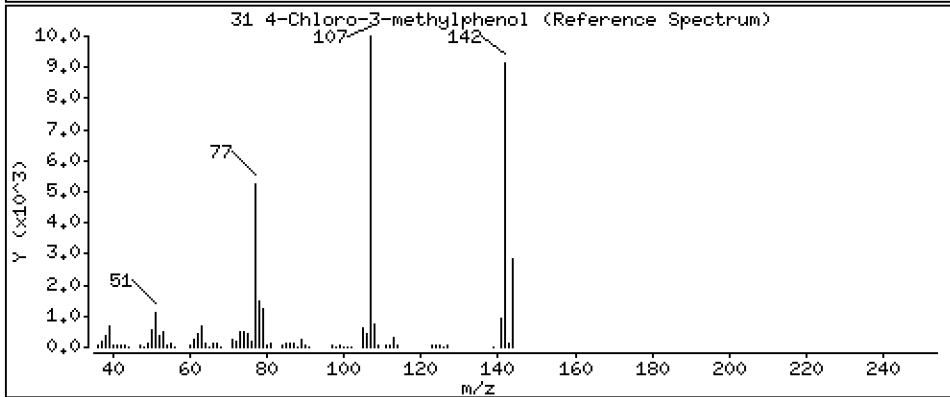
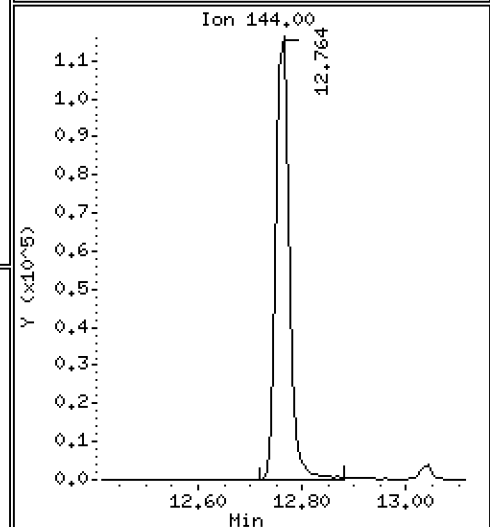
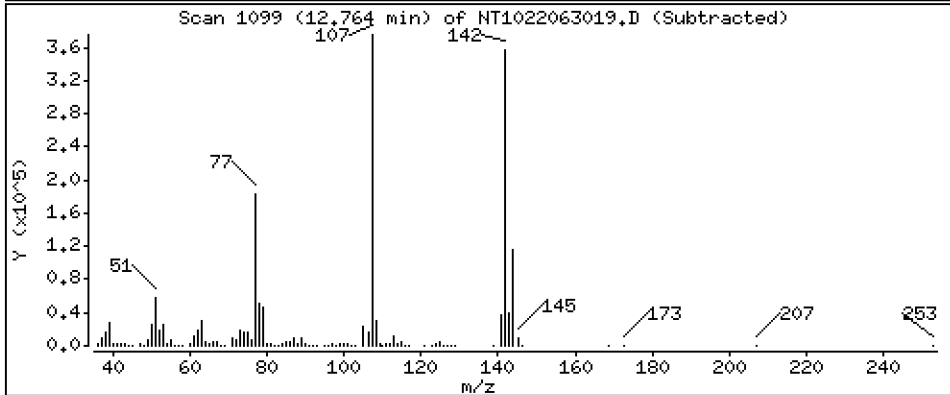
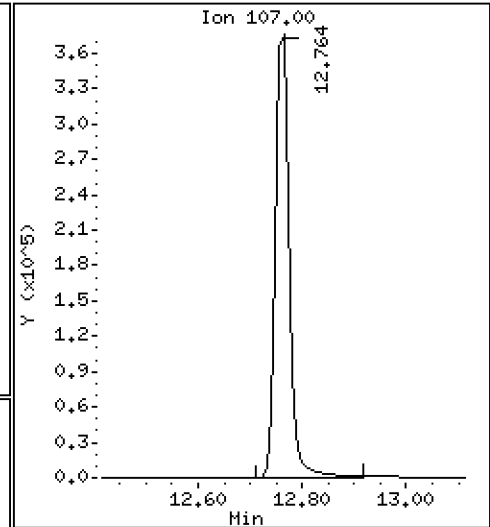
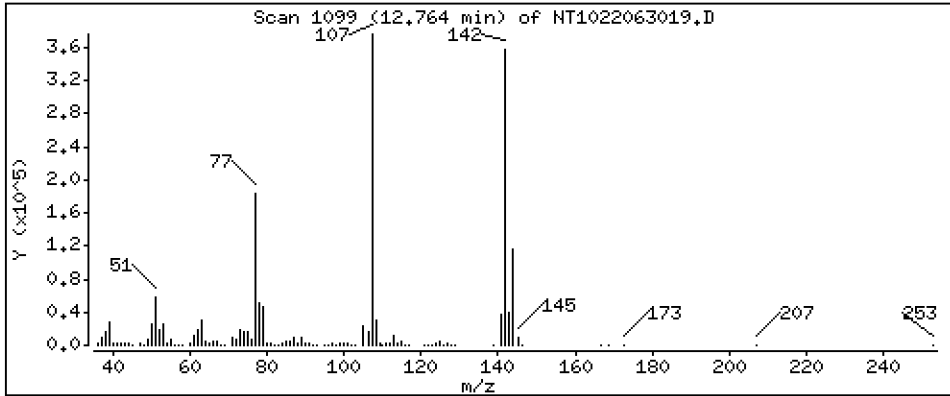
Operator: VTS

Column phase: ZB-5msi

Column diameter: 0,25

31 4-Chloro-3-methylphenol

Concentration: 10,66 ug/mL



Date : 01-JUL-2022 01:13

Client ID:

Instrument: nt10.i

Sample Info: SKG0010-CCV1

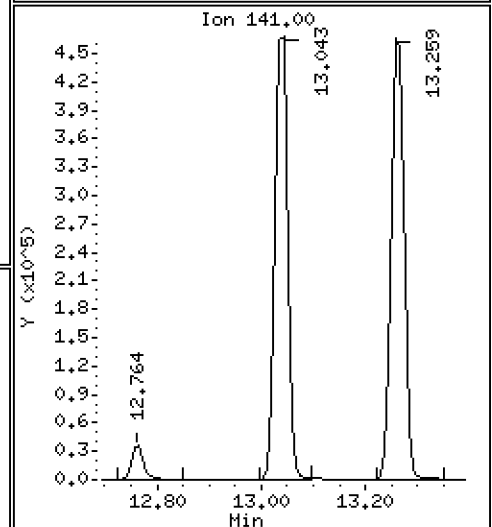
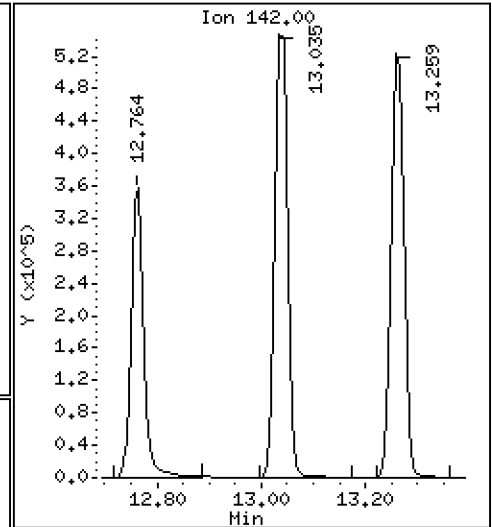
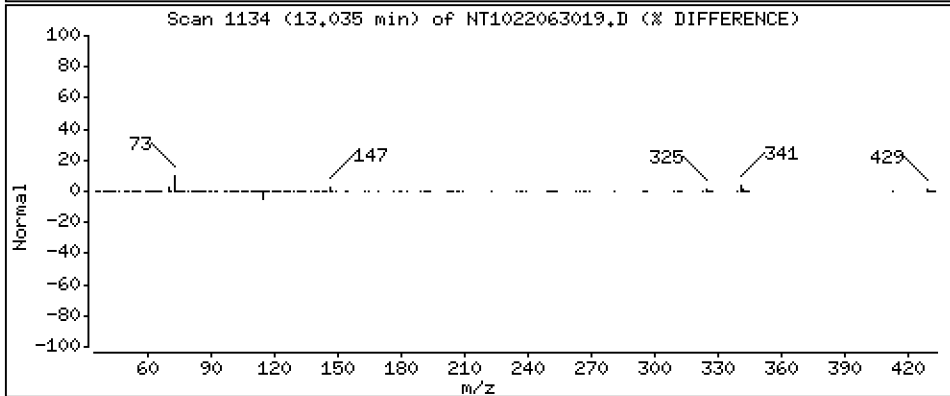
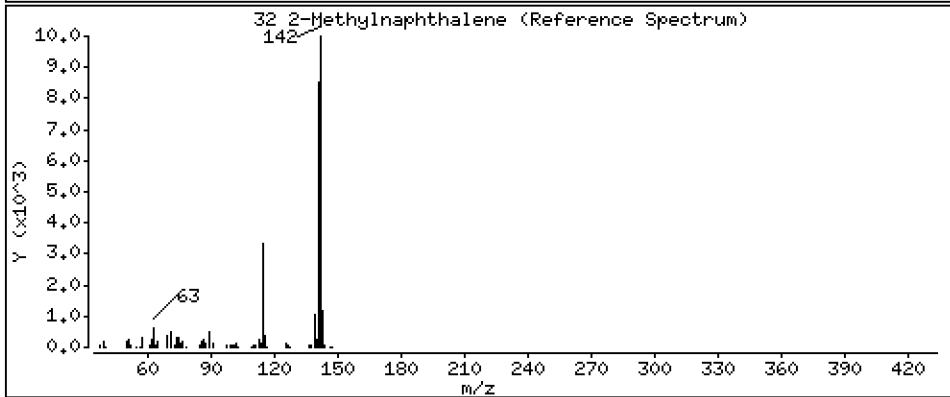
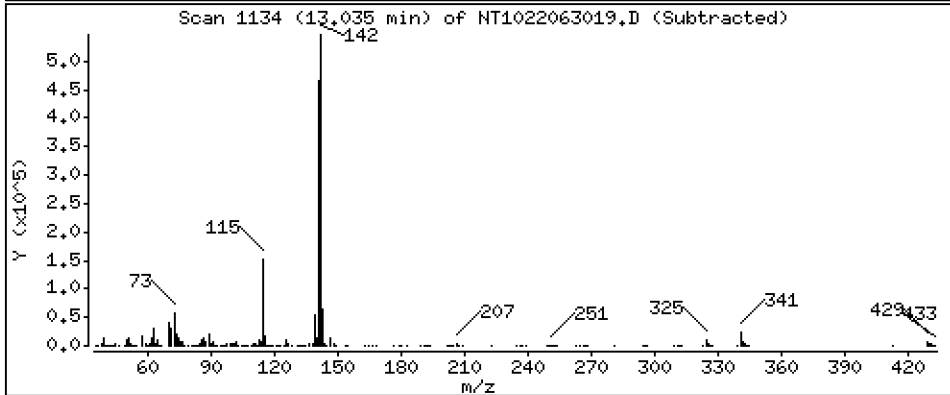
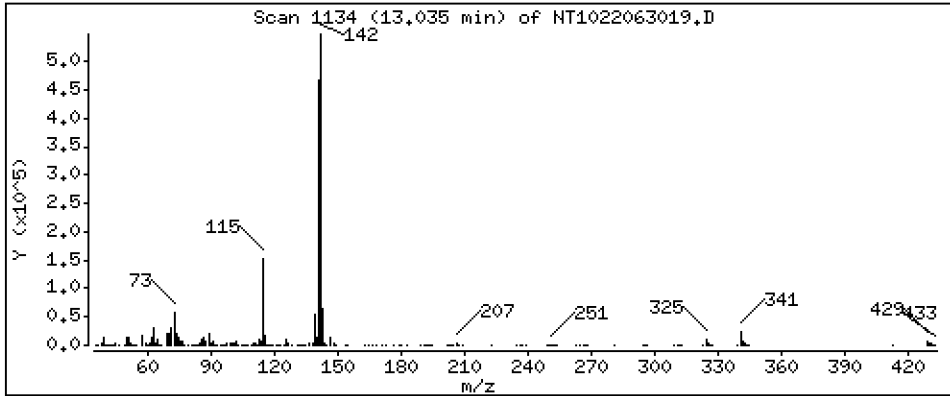
Operator: VTS

Column phase: ZB-5msi

Column diameter: 0,25

32 2-Methylnaphthalene

Concentration: 5,635 ug/mL



Date : 01-JUL-2022 01:13

Client ID:

Instrument: nt10.i

Sample Info: SKG0010-CCV1

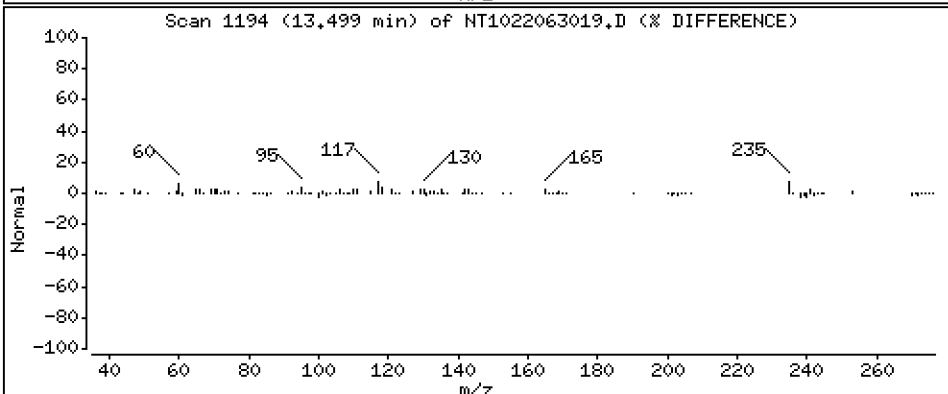
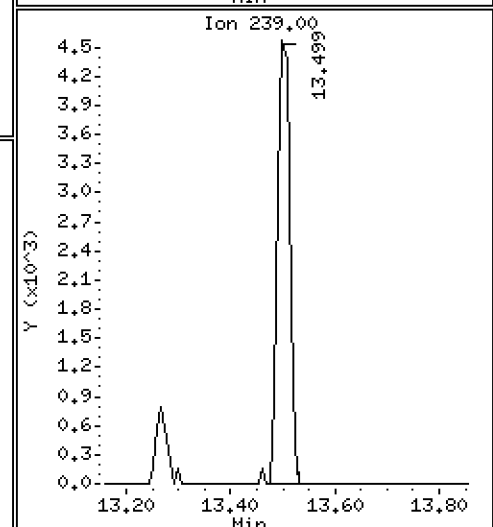
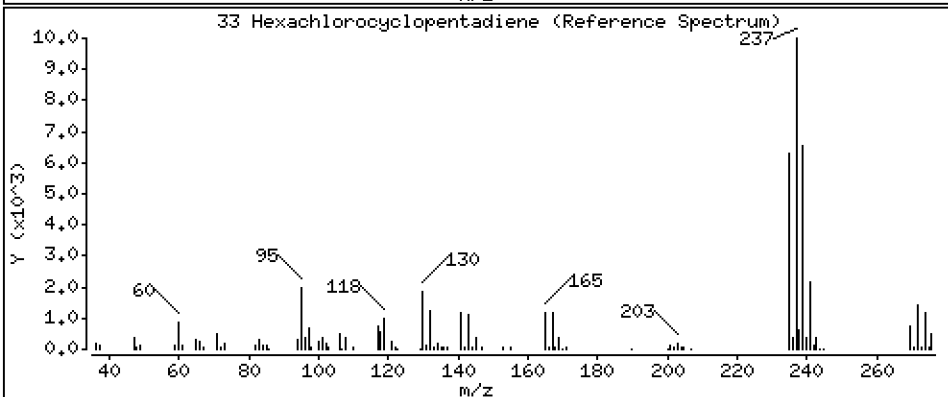
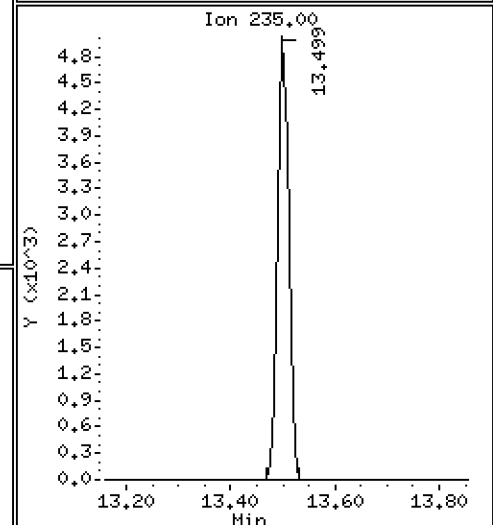
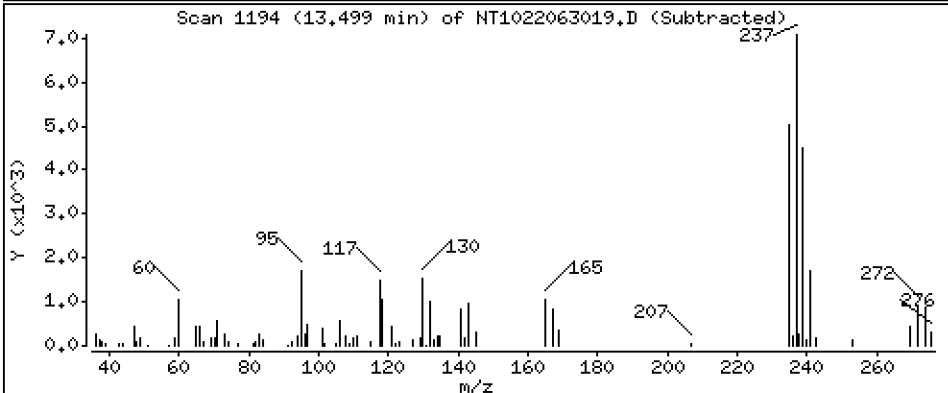
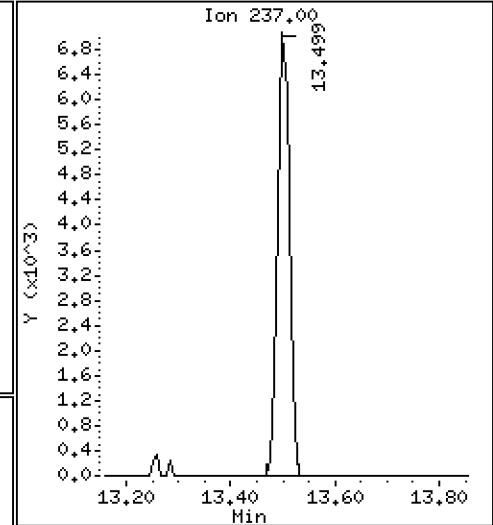
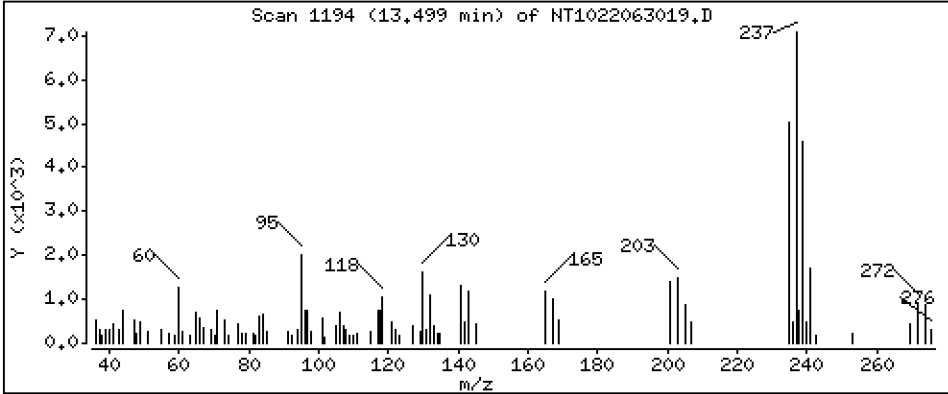
Operator: VTS

Column phase: ZB-5msi

Column diameter: 0.25

33 Hexachlorocyclopentadiene

Concentration: 0.5120 ug/mL



Date : 01-JUL-2022 01:13

Client ID:

Instrument: nt10.i

Sample Info: SKG0010-CCV1

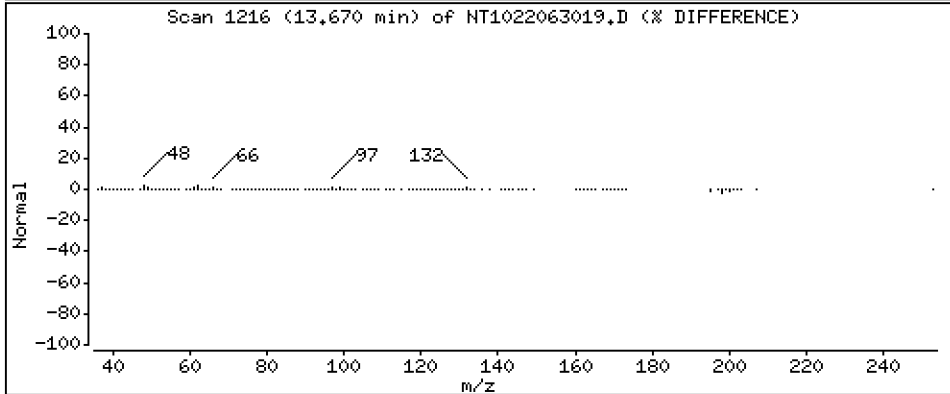
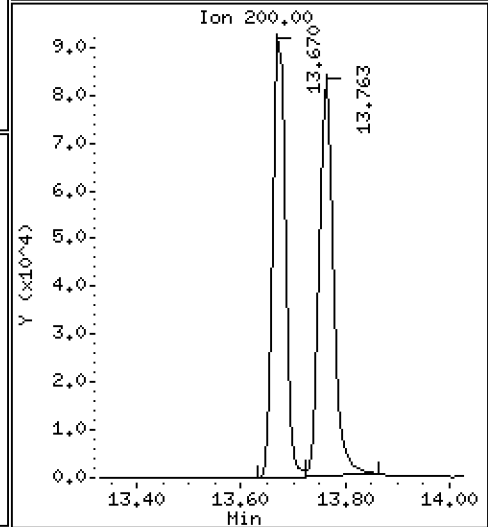
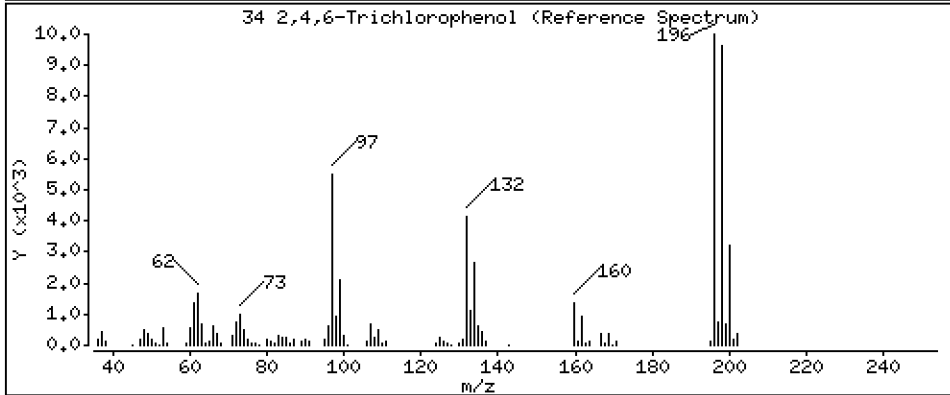
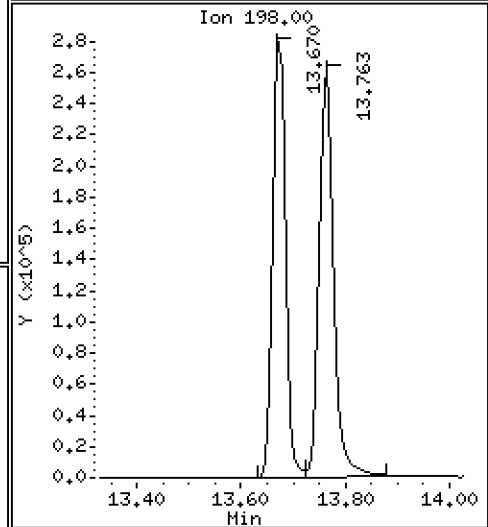
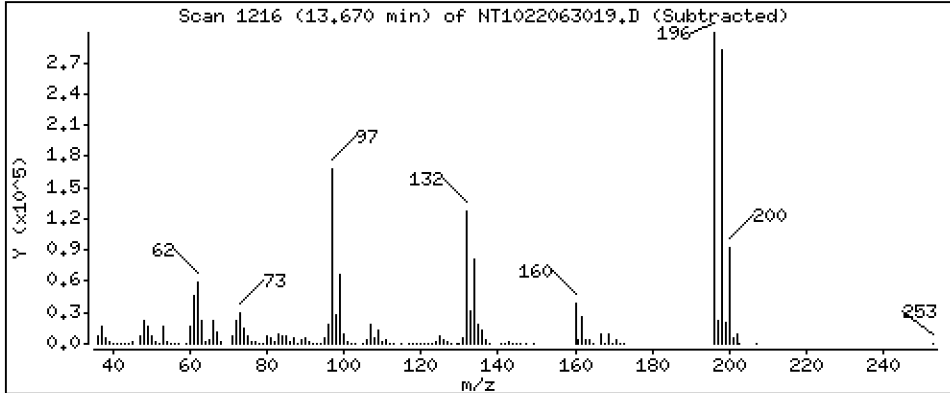
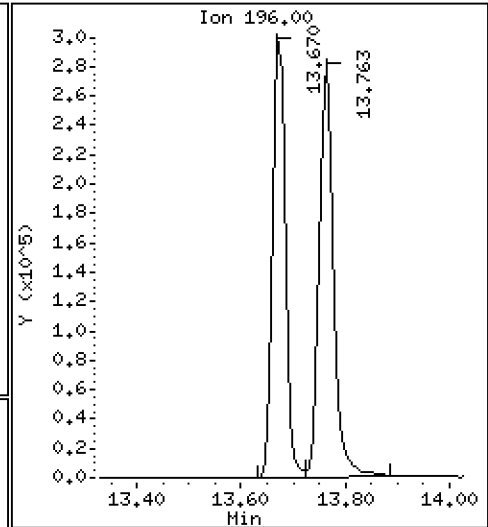
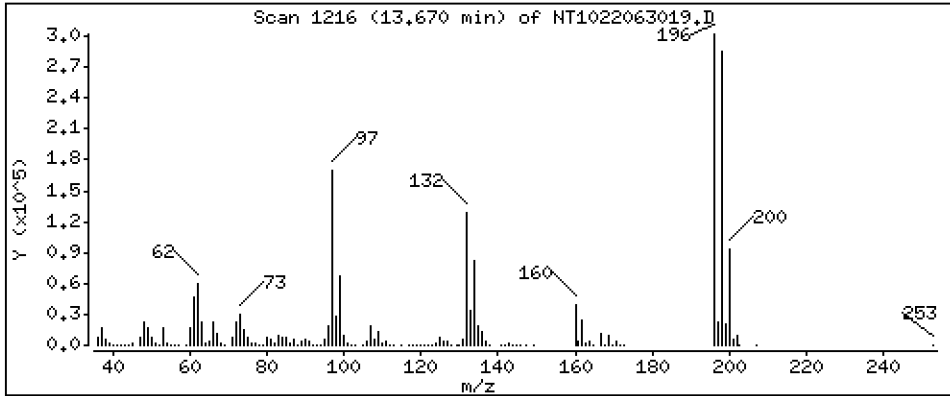
Operator: VTS

Column phase: ZB-5msi

Column diameter: 0,25

34 2,4,6-Trichlorophenol

Concentration: 11,94 ug/mL



Date : 01-JUL-2022 01:13

Client ID:

Instrument: nt10.i

Sample Info: SKG0010-CCV1

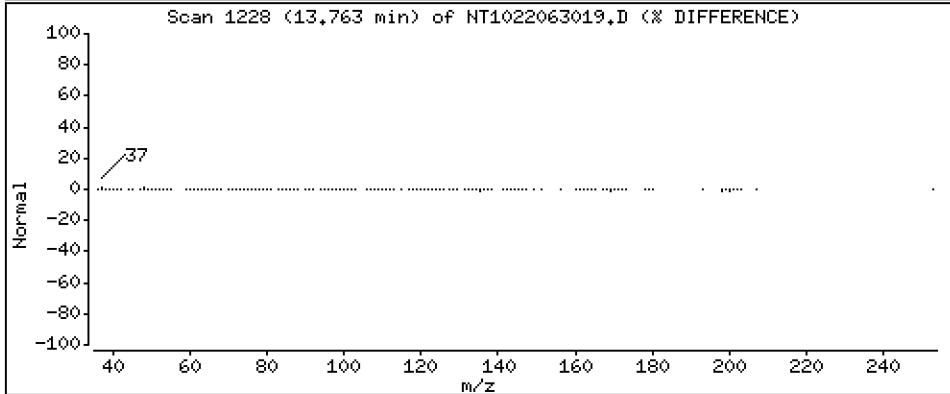
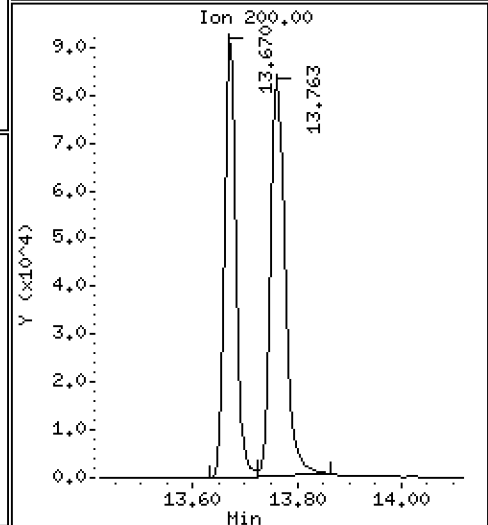
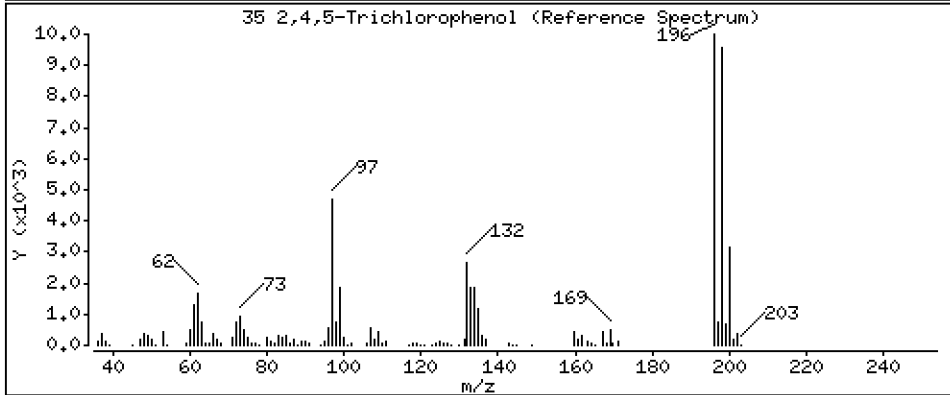
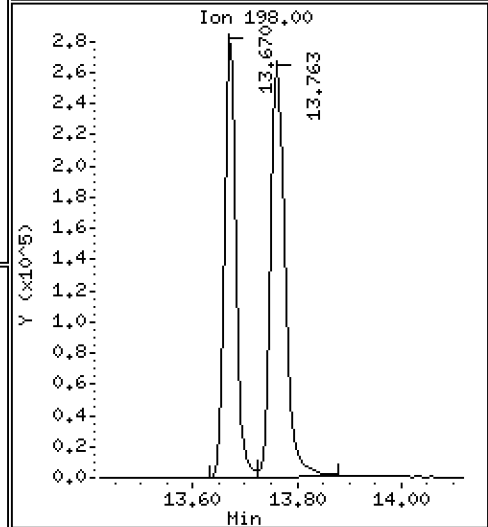
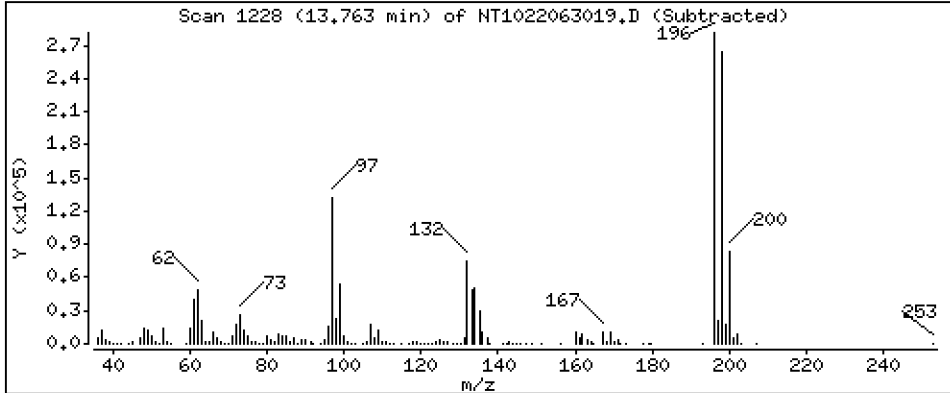
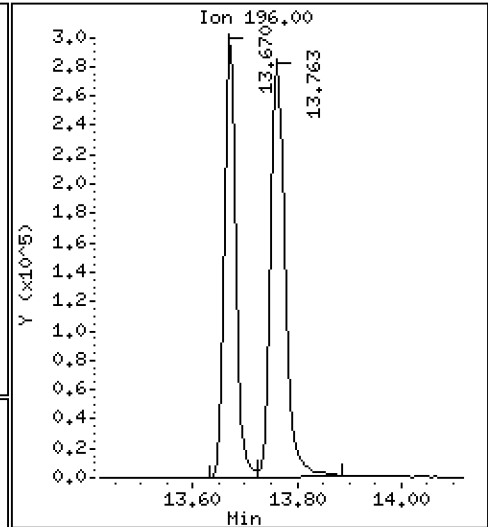
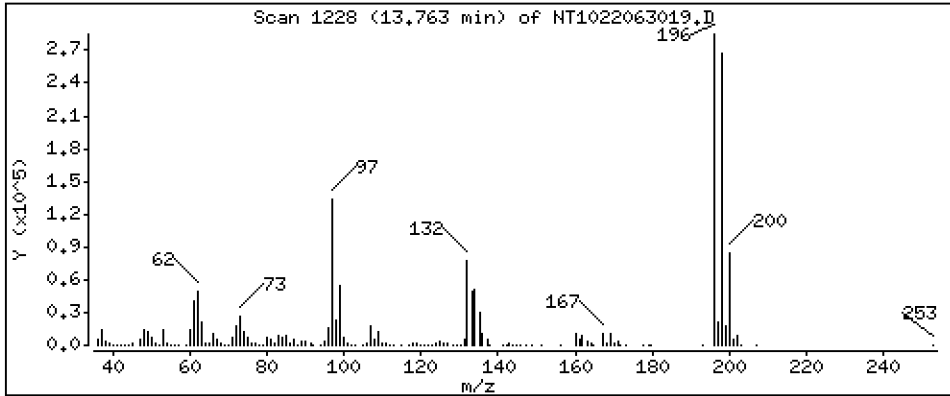
Operator: VTS

Column phase: ZB-5msi

Column diameter: 0,25

35 2,4,5-Trichlorophenol

Concentration: 10,83 ug/mL



Date : 01-JUL-2022 01:13

Client ID:

Instrument: nt10.i

Sample Info: SKG0010-CCV1

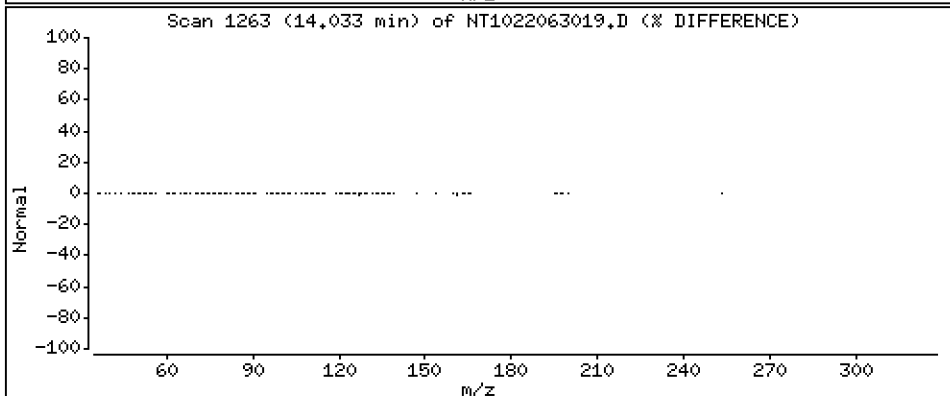
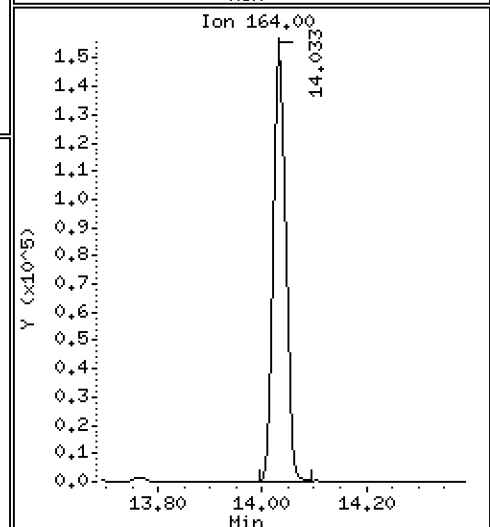
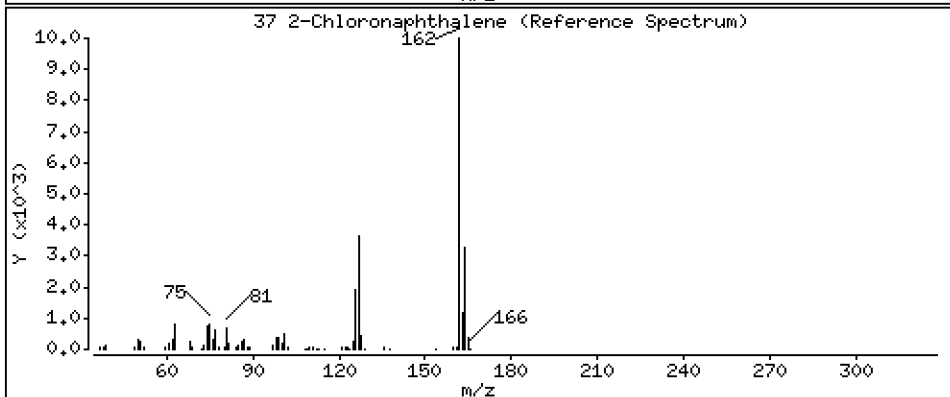
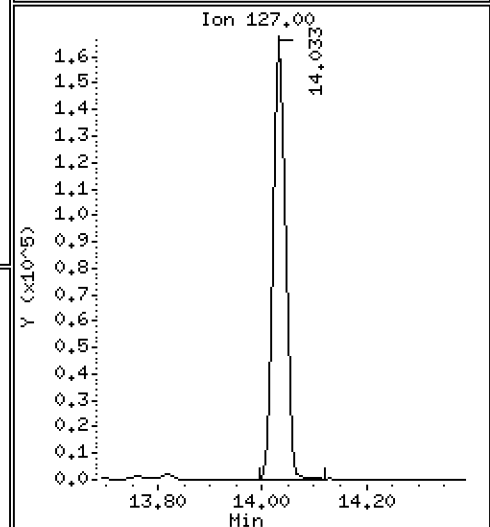
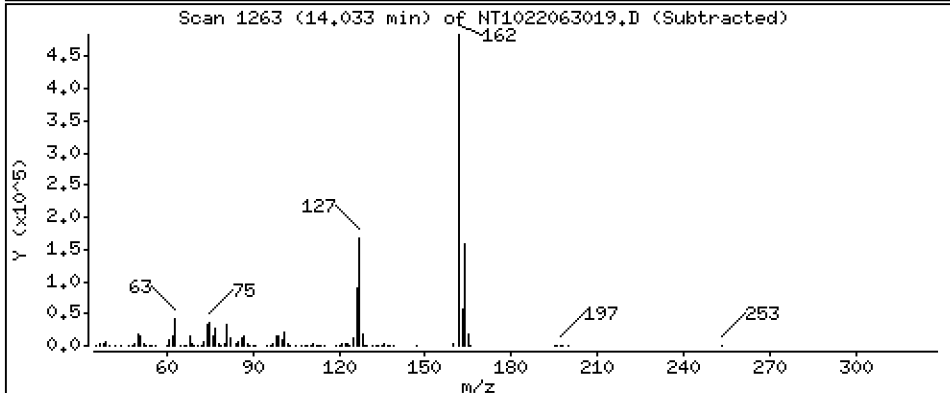
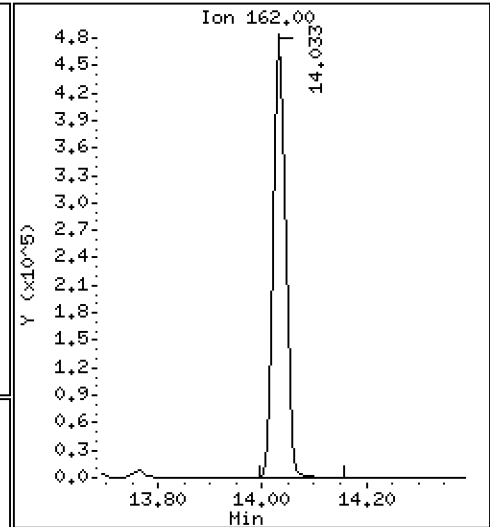
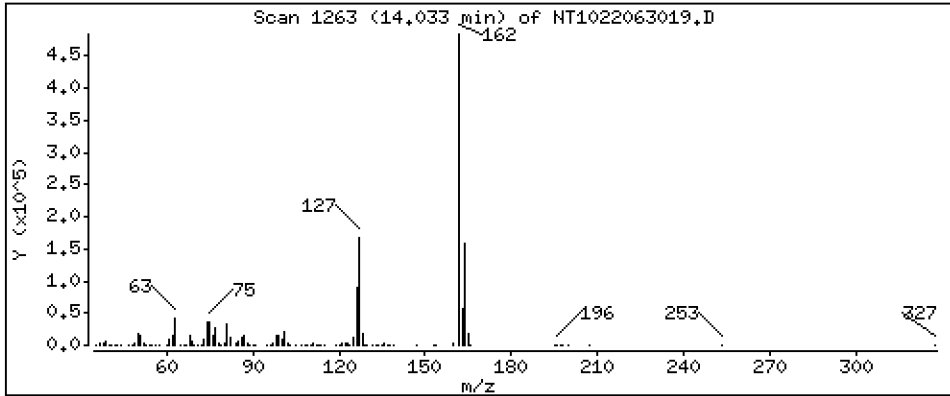
Operator: VTS

Column phase: ZB-5msi

Column diameter: 0,25

37 2-Chloronaphthalene

Concentration: 5,420 ug/mL



Date : 01-JUL-2022 01:13

Client ID:

Instrument: nt10.i

Sample Info: SKG0010-CCV1

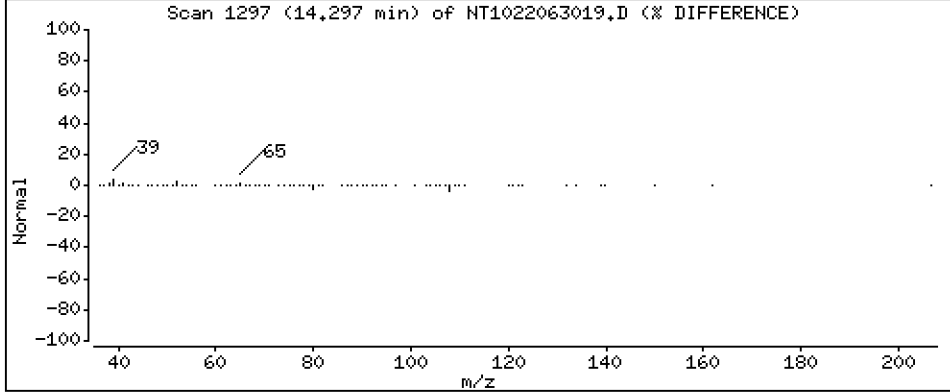
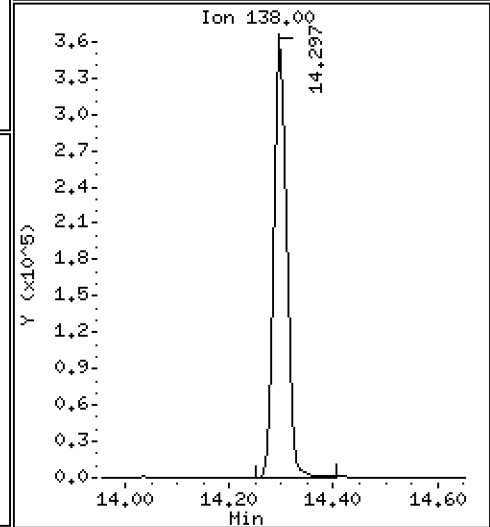
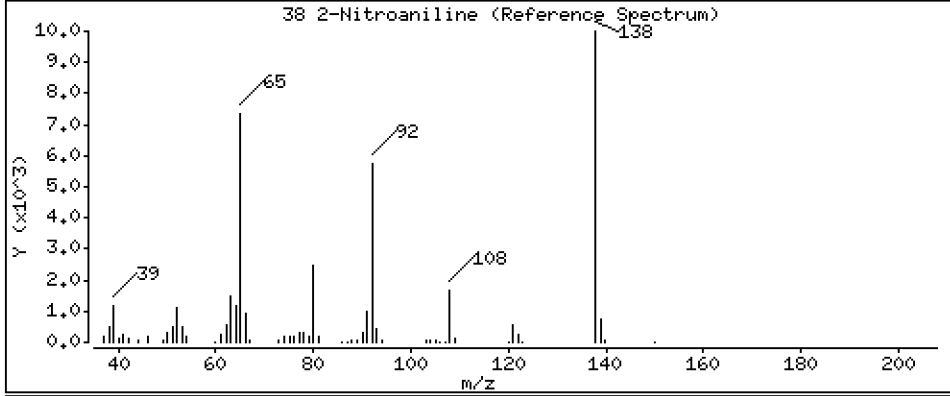
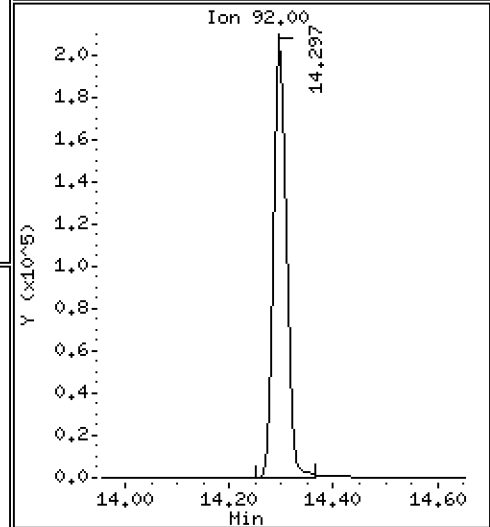
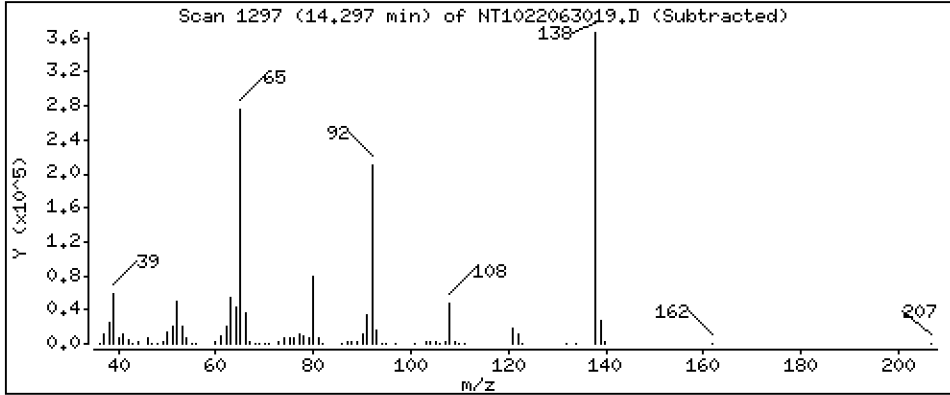
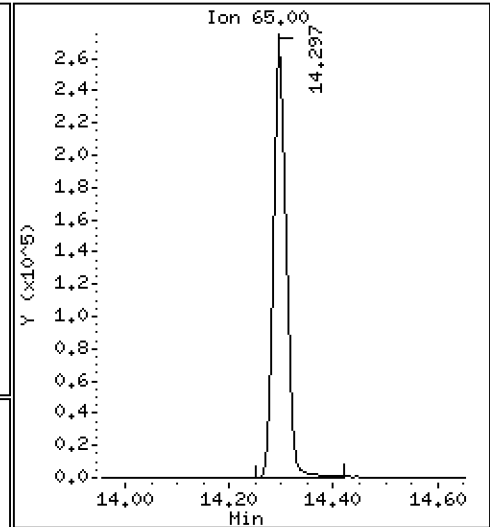
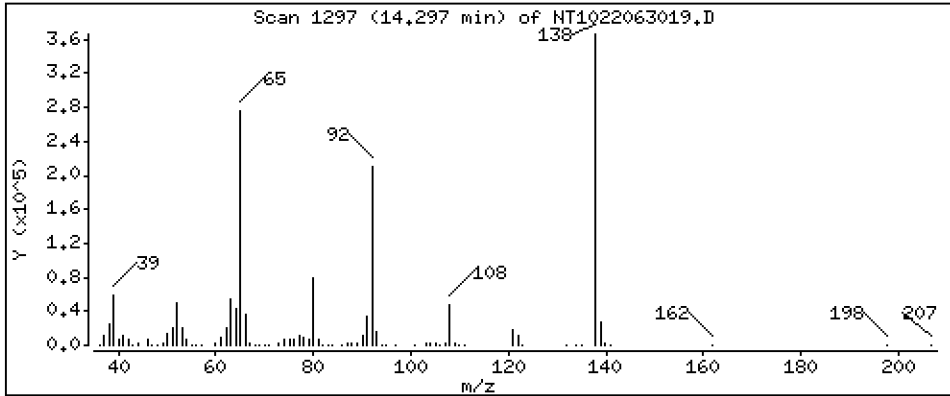
Operator: VTS

Column phase: ZB-5msi

Column diameter: 0.25

38 2-Nitroaniline

Concentration: 11.68 ug/mL



Date : 01-JUL-2022 01:13

Client ID:

Instrument: nt10.i

Sample Info: SKG0010-CCV1

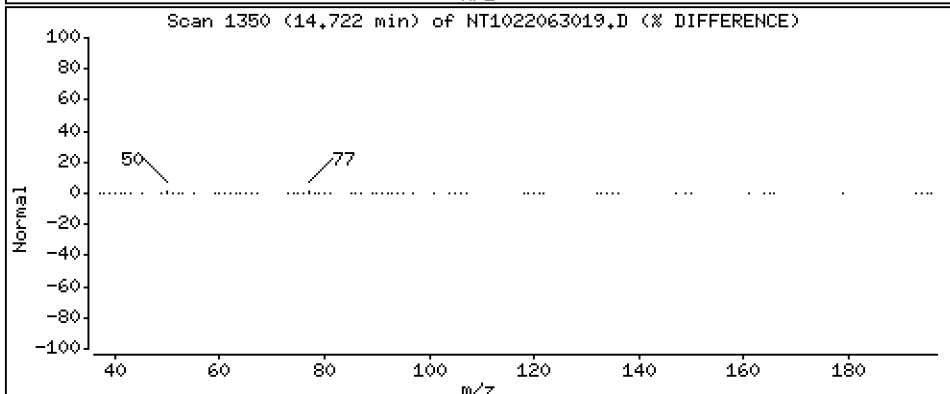
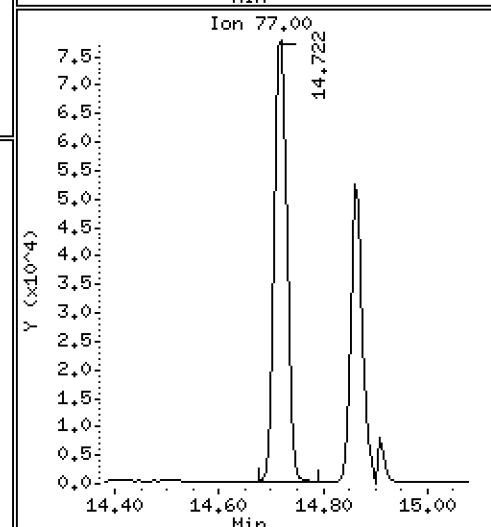
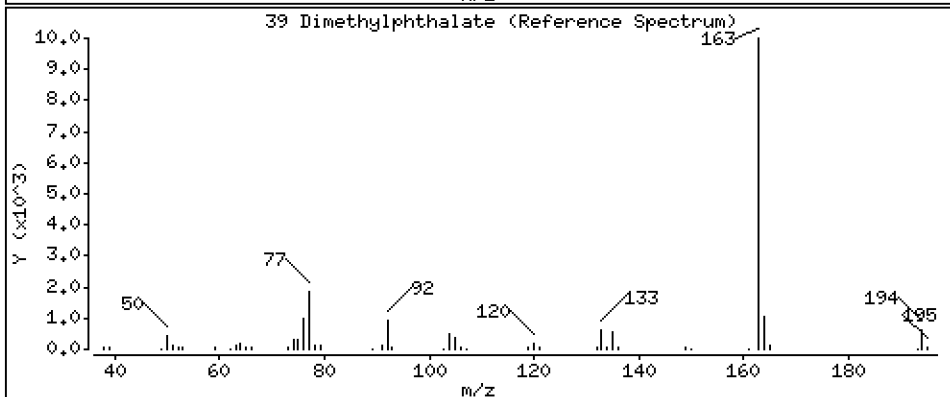
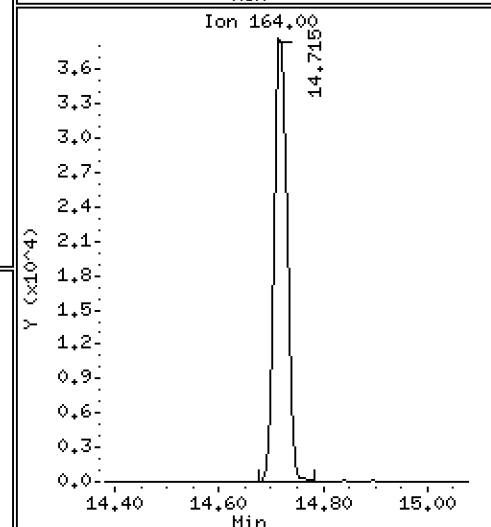
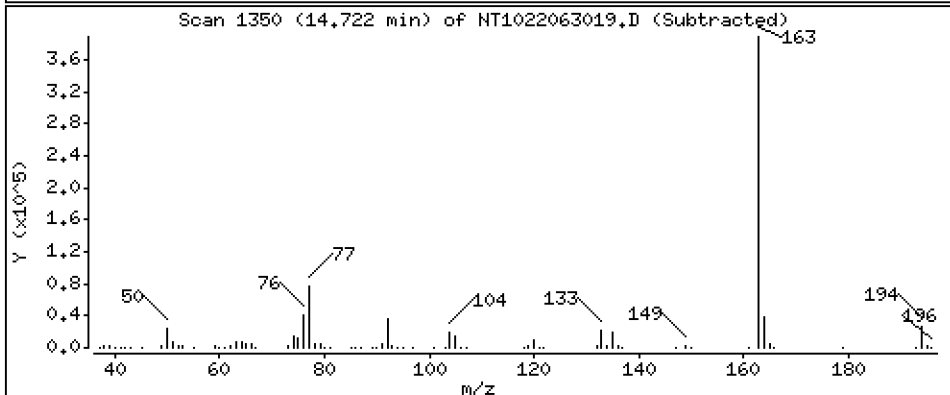
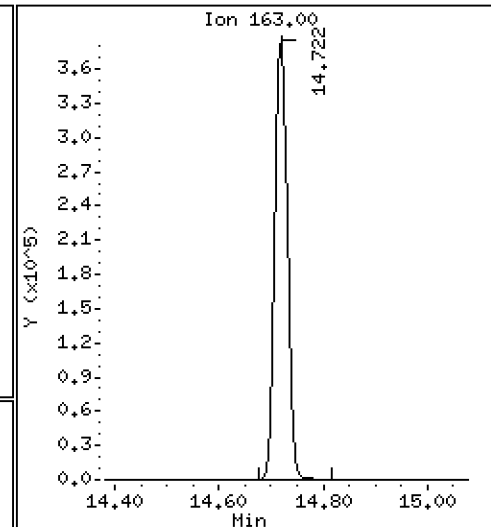
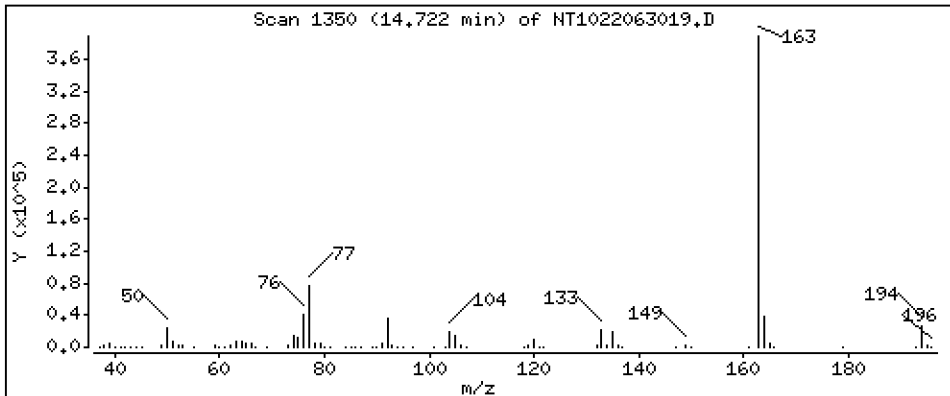
Operator: VTS

Column phase: ZB-5msi

Column diameter: 0,25

39 Dimethylphthalate

Concentration: 4,959 ug/mL



Date : 01-JUL-2022 01:13

Client ID:

Instrument: nt10.i

Sample Info: SKG0010-CCV1

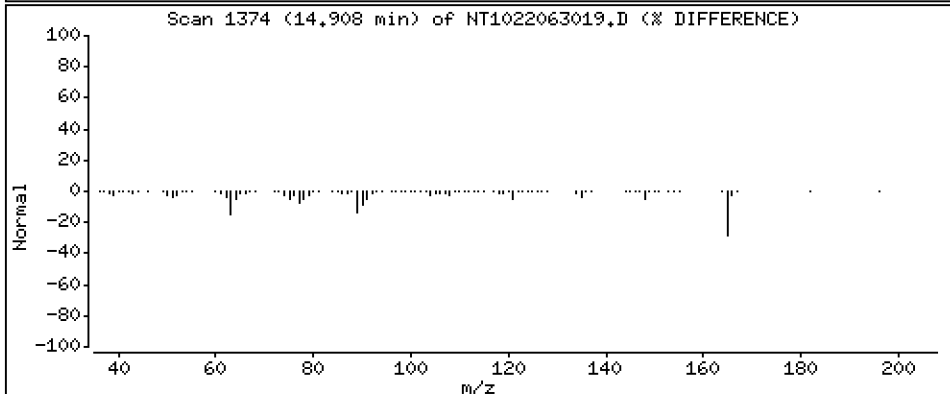
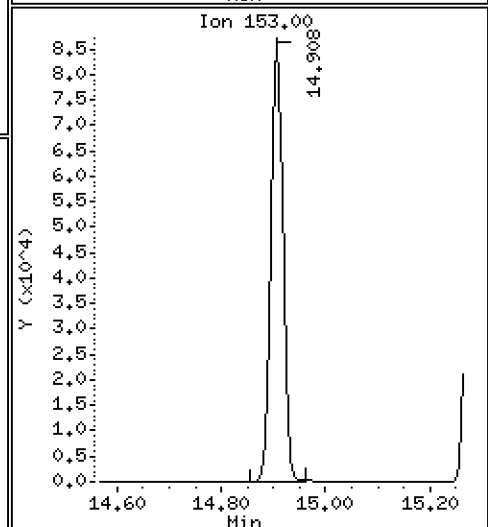
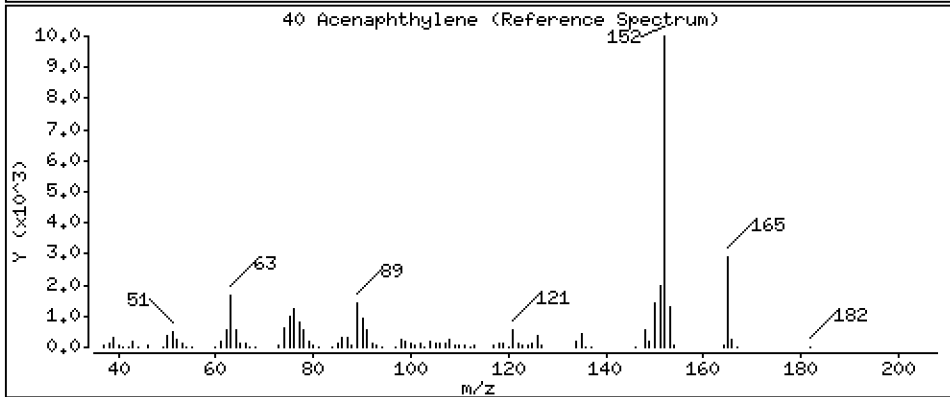
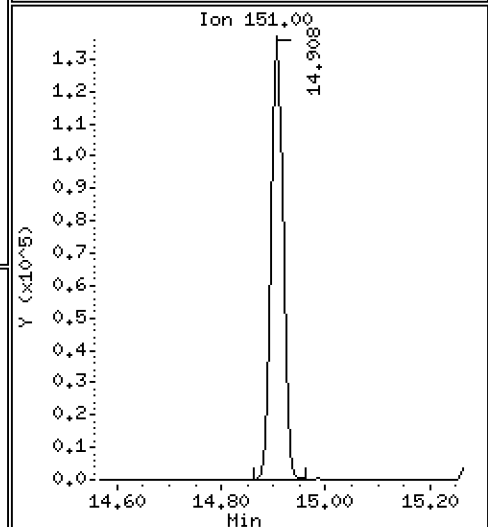
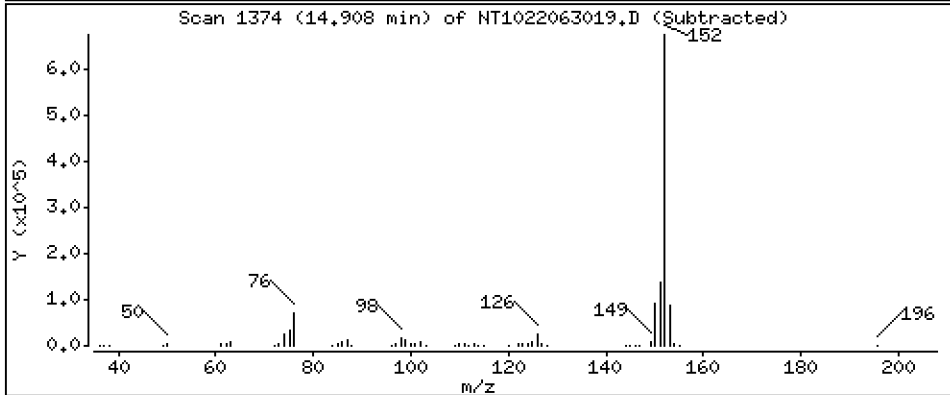
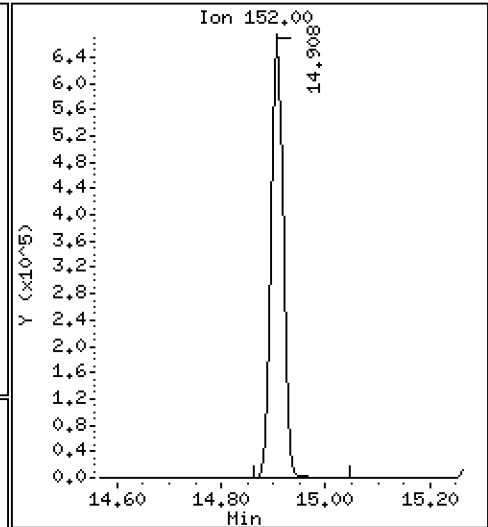
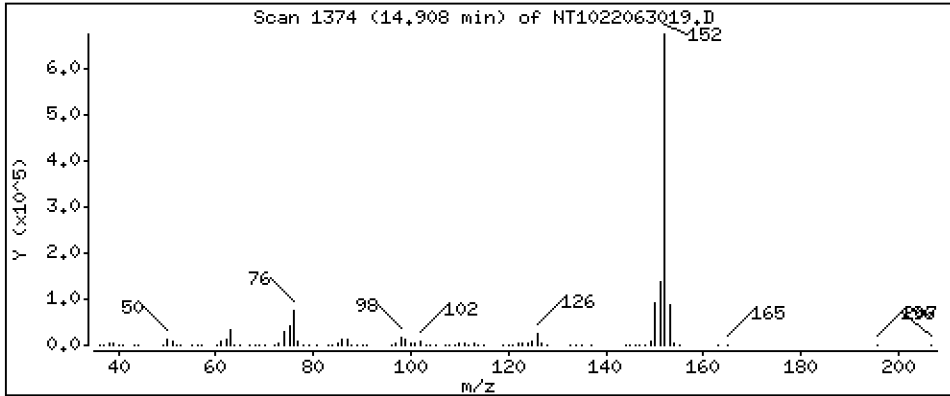
Operator: VTS

Column phase: ZB-5msi

Column diameter: 0,25

40 Acenaphthylene

Concentration: 5,321 ug/mL



Date : 01-JUL-2022 01:13

Client ID:

Instrument: nt10.i

Sample Info: SKG0010-CCV1

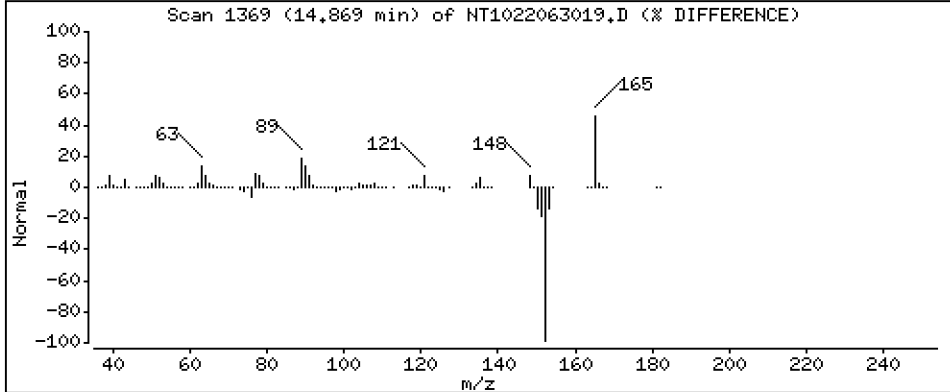
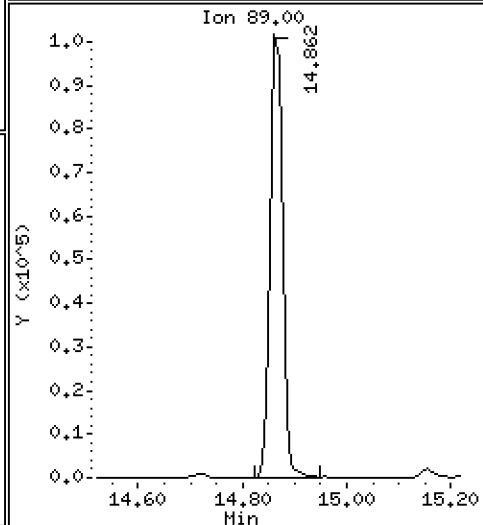
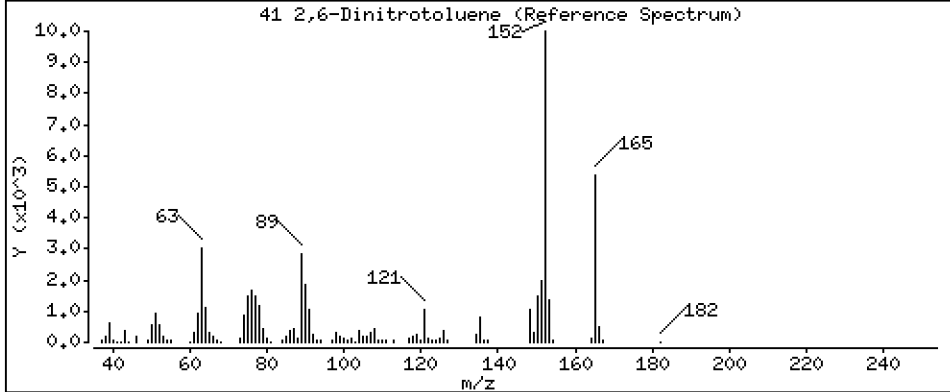
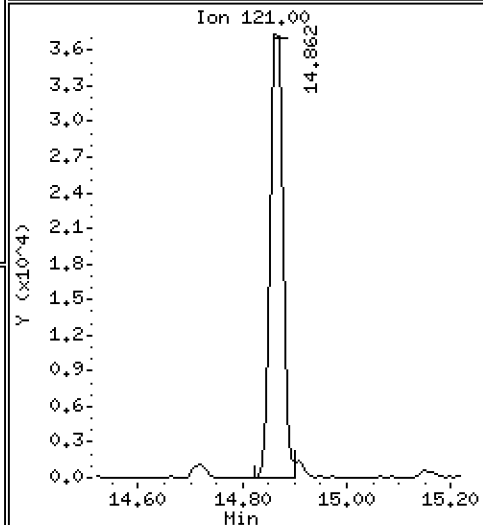
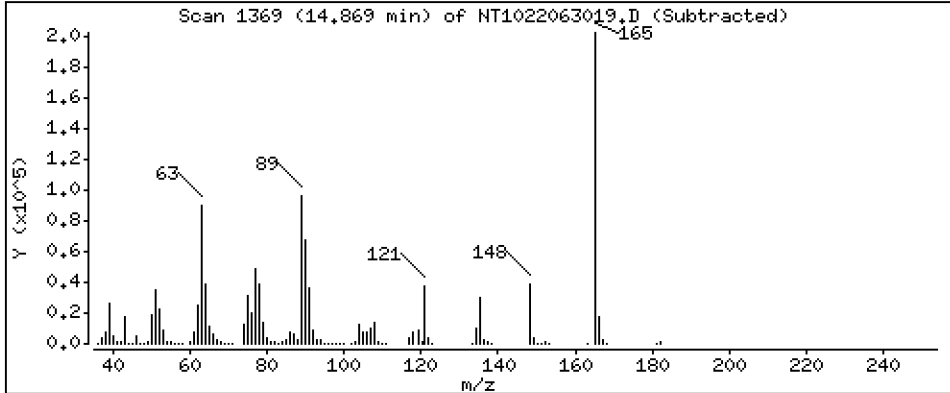
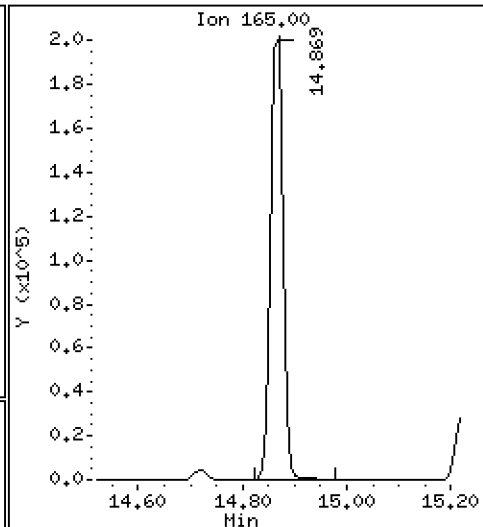
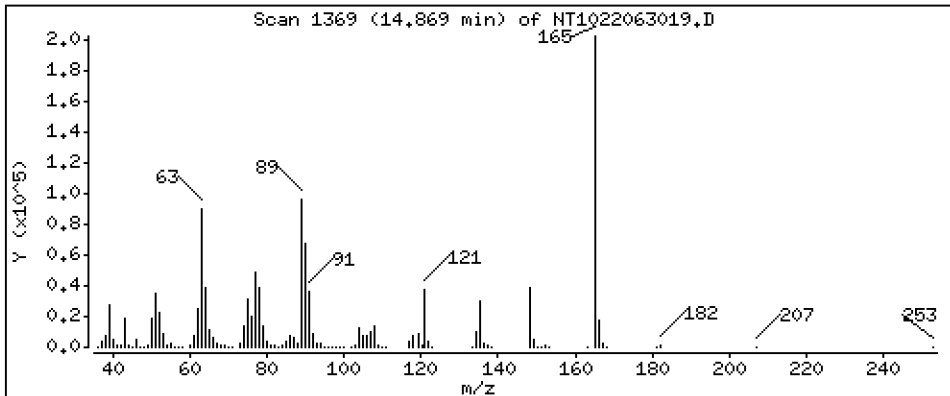
Operator: VTS

Column phase: ZB-5msi

Column diameter: 0,25

41 2,6-Dinitrotoluene

Concentration: 10,78 ug/mL



Date : 01-JUL-2022 01:13

Client ID:

Instrument: nt10.i

Sample Info: SKG0010-CCV1

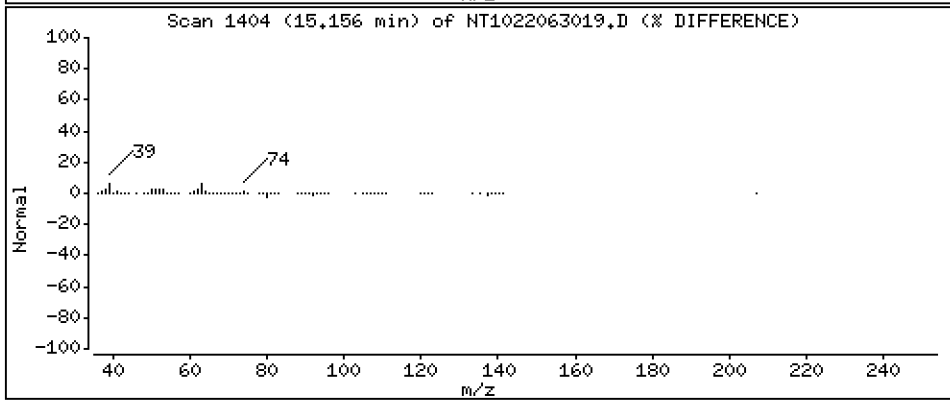
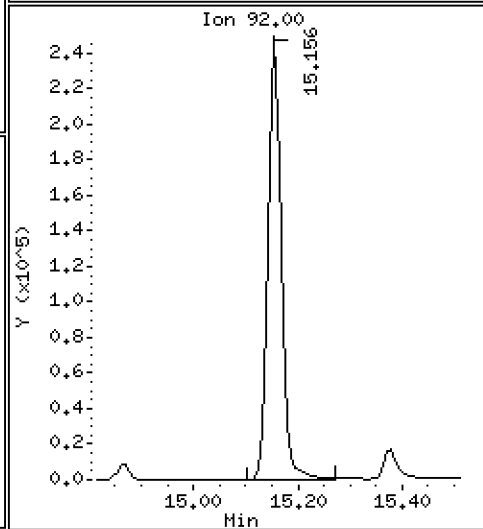
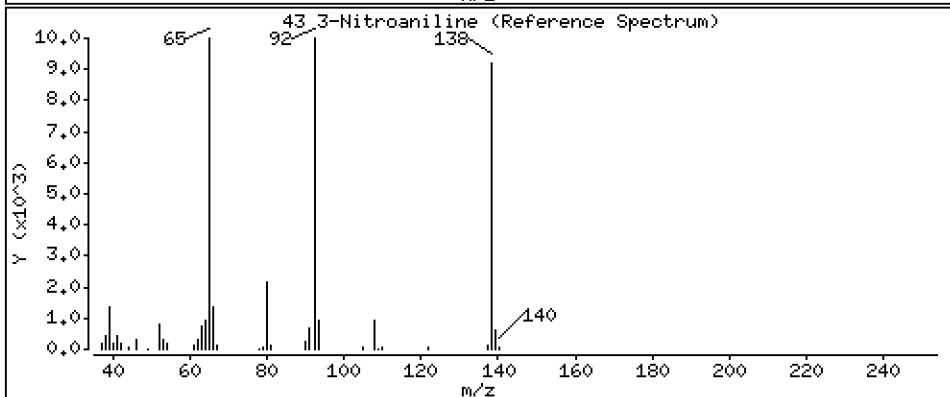
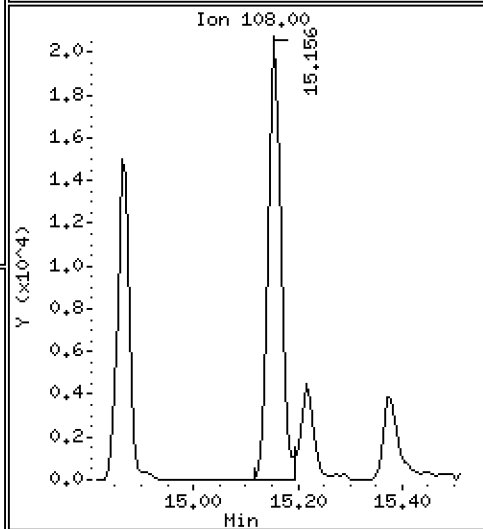
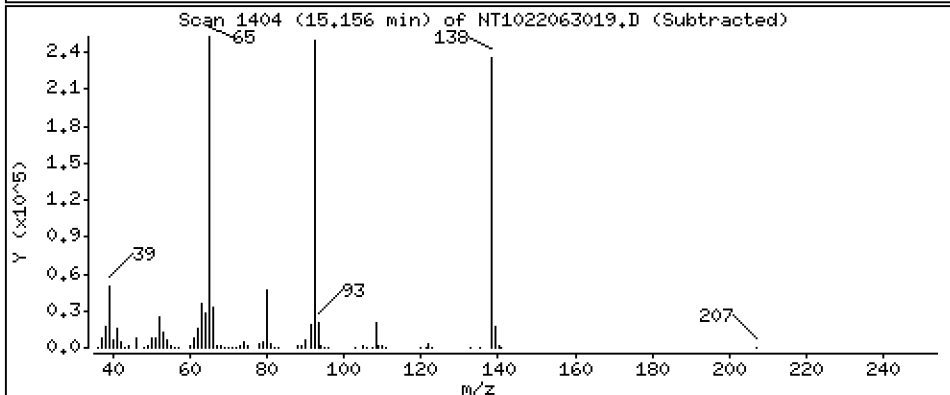
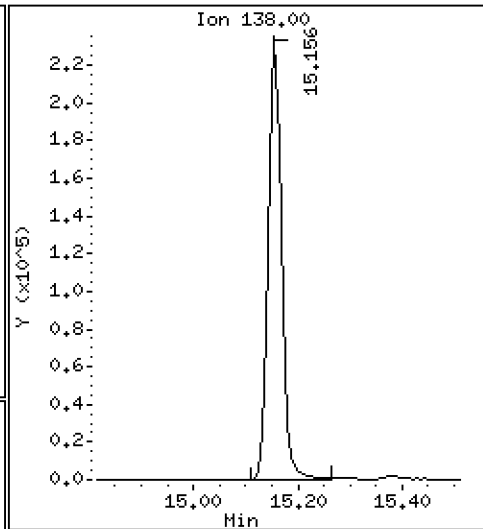
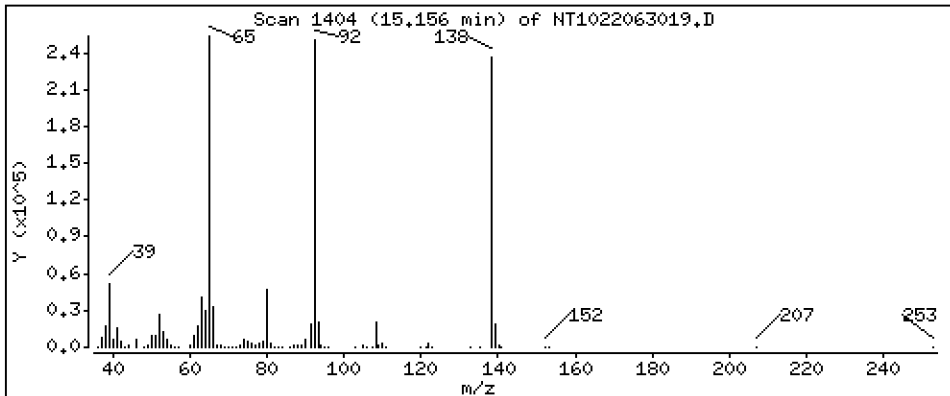
Operator: VTS

Column phase: ZB-5msi

Column diameter: 0,25

43 3-Nitroaniline

Concentration: 11,48 ug/mL



Date : 01-JUL-2022 01:13

Client ID:

Instrument: nt10.i

Sample Info: SKG0010-CCV1

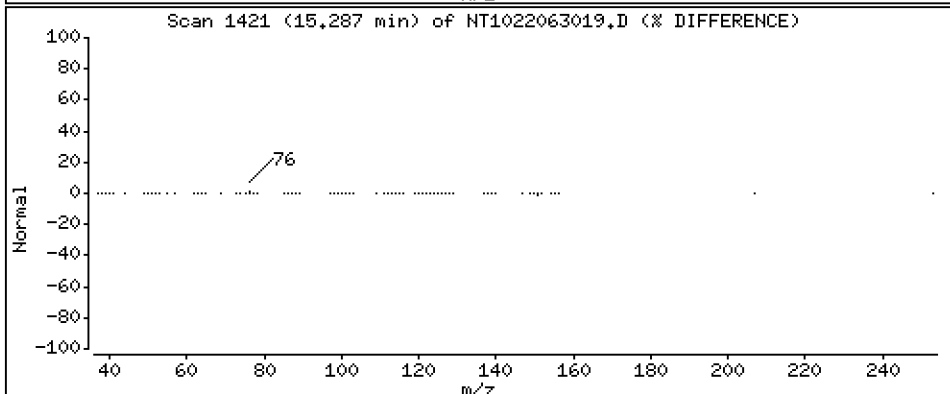
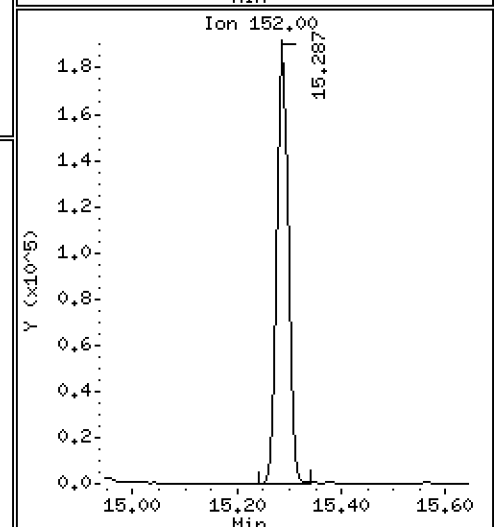
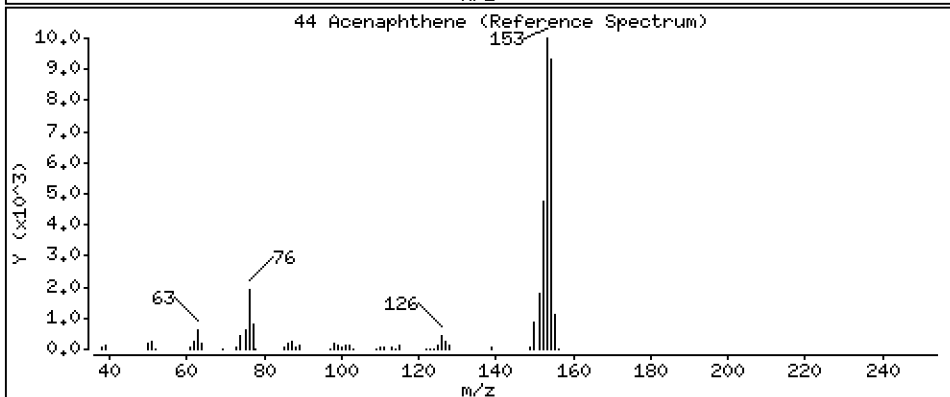
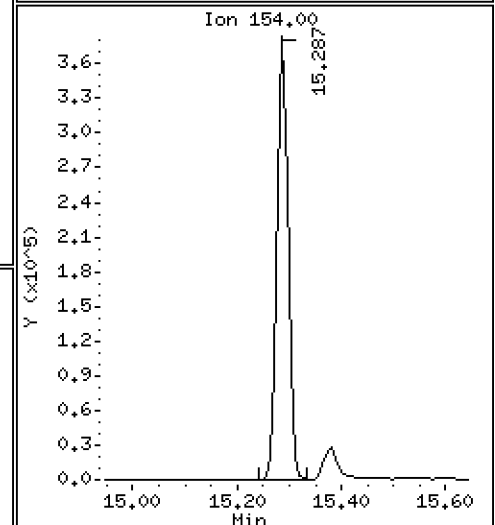
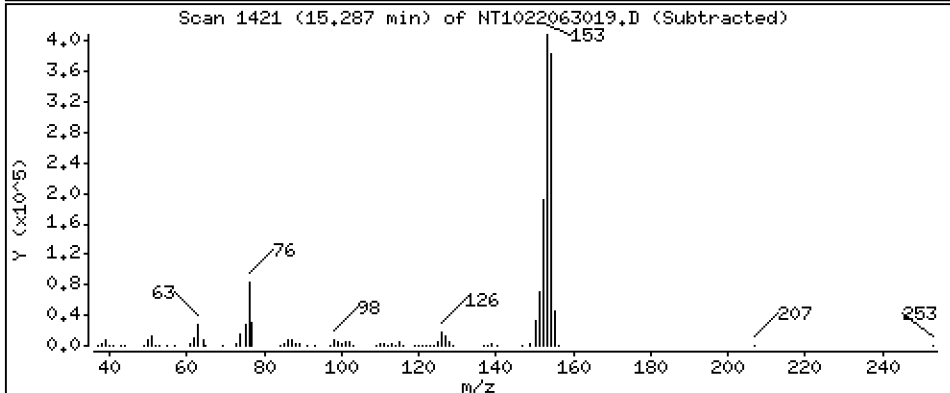
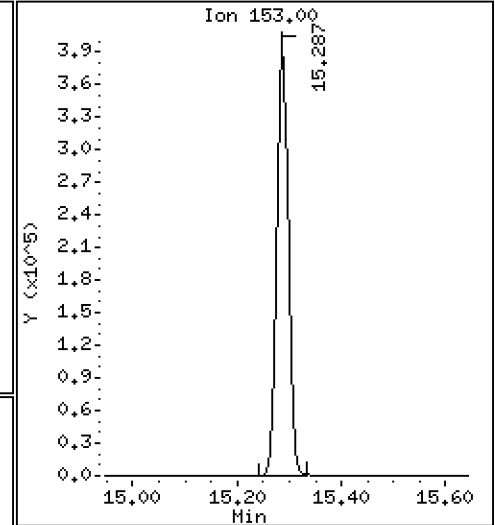
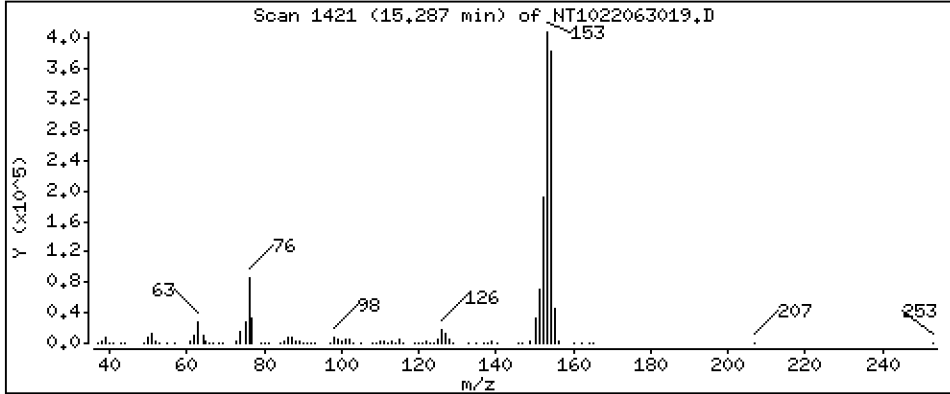
Operator: VTS

Column phase: ZB-5msi

Column diameter: 0,25

44 Acenaphthene

Concentration: 5,452 ug/mL



Date : 01-JUL-2022 01:13

Client ID:

Instrument: nt10.i

Sample Info: SKG0010-CCV1

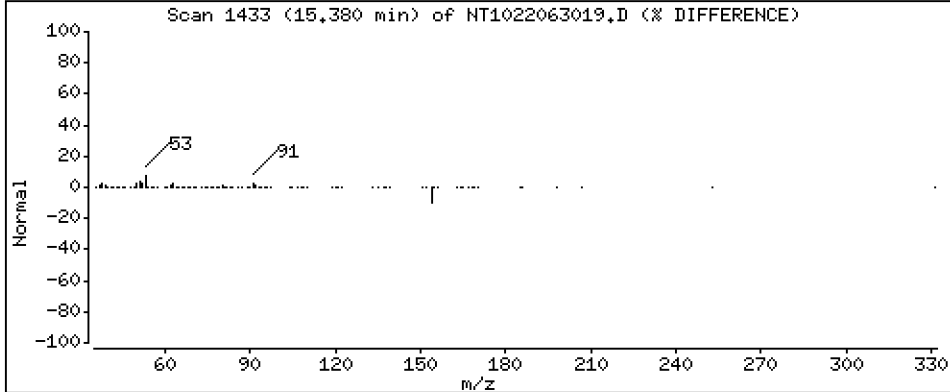
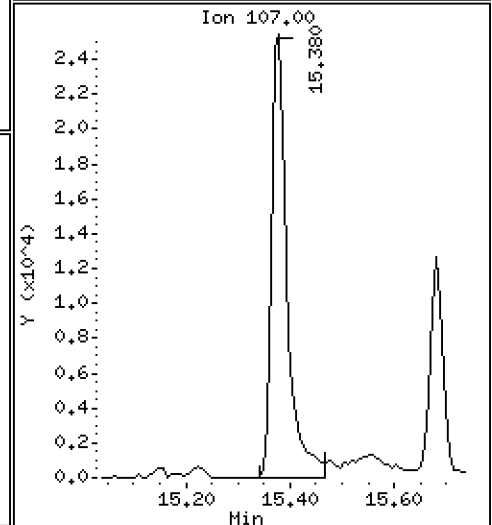
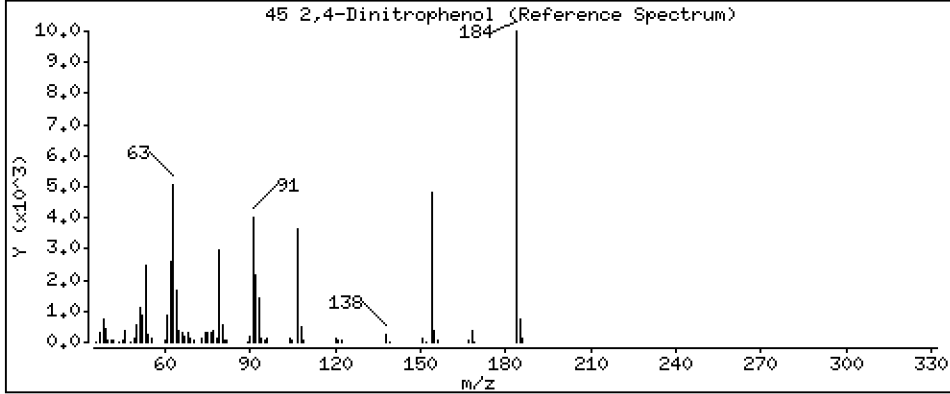
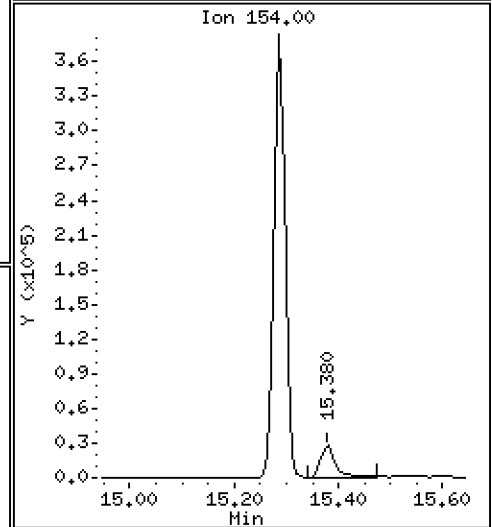
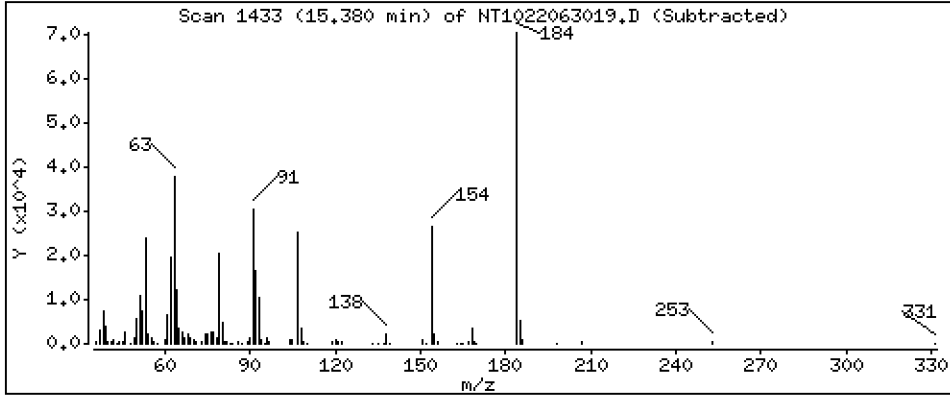
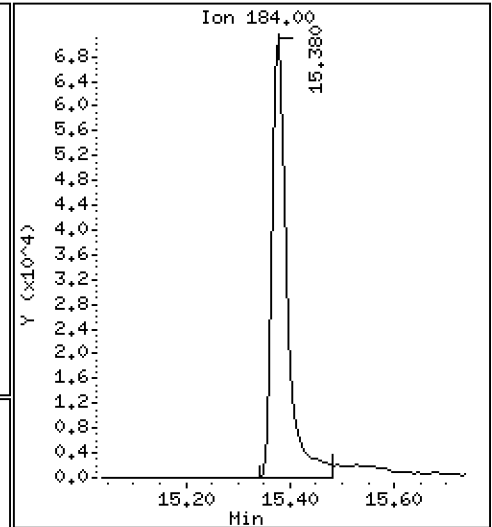
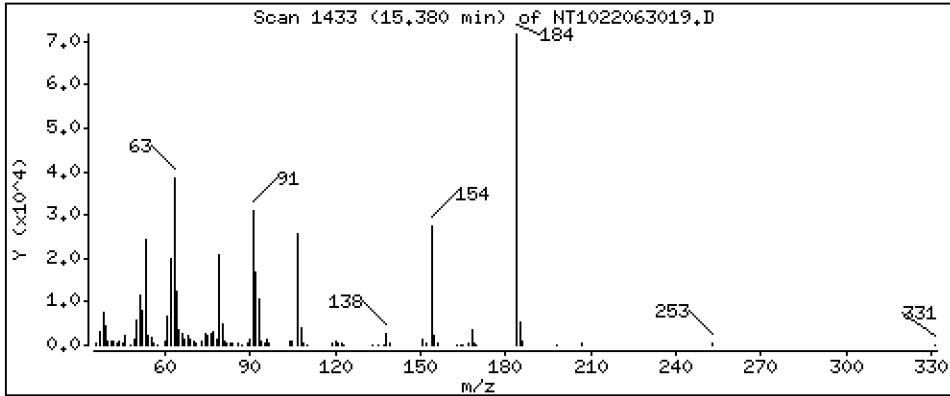
Operator: VTS

Column phase: ZB-5msi

Column diameter: 0,25

45 2,4-Dinitrophenol

Concentration: 10,42 ug/mL



Date : 01-JUL-2022 01:13

Client ID:

Instrument: nt10.i

Sample Info: SKG0010-CCV1

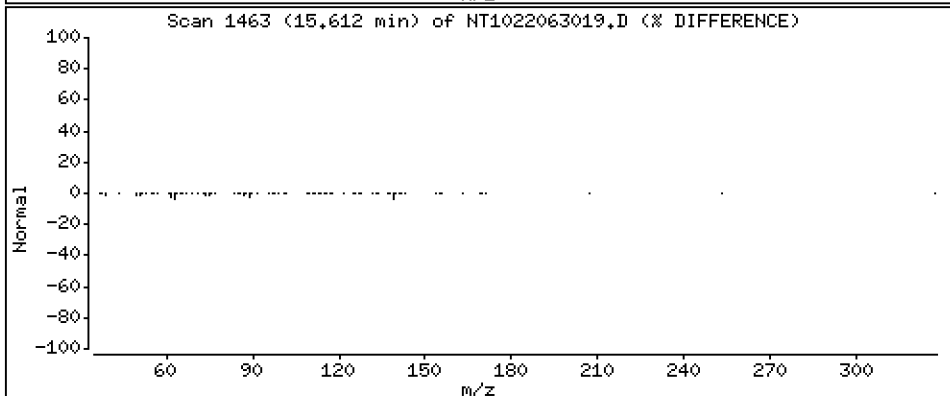
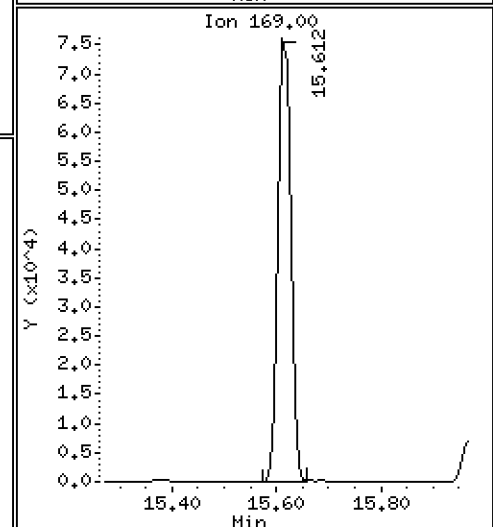
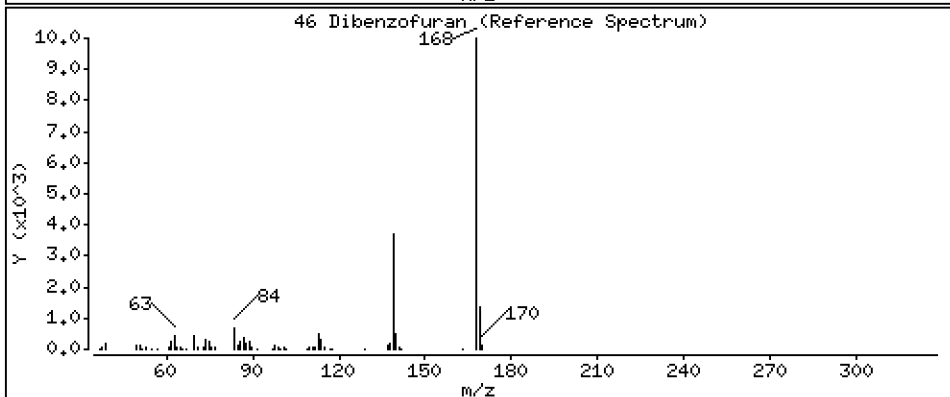
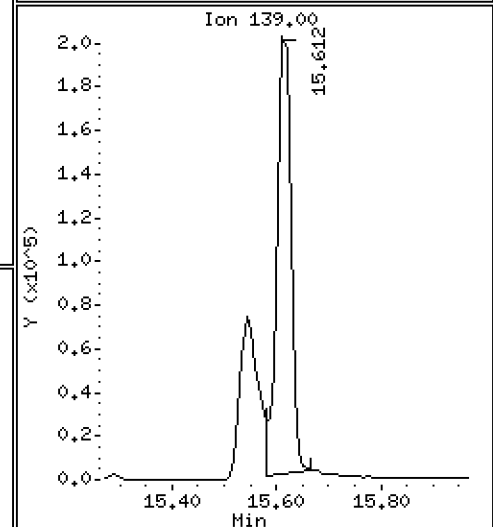
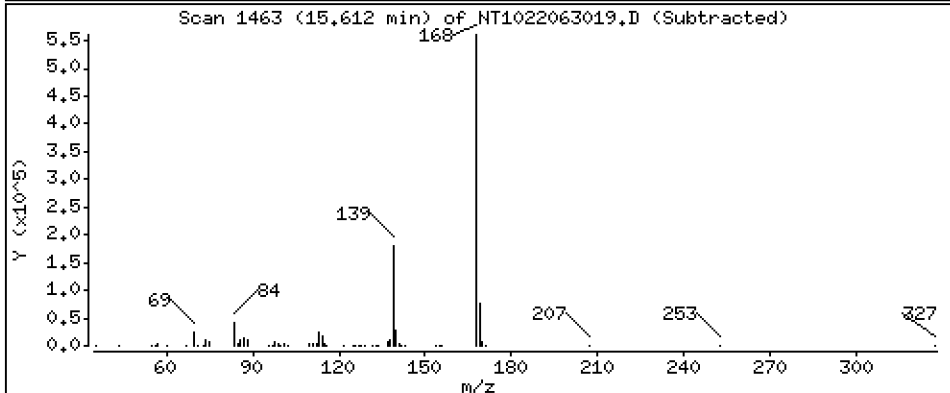
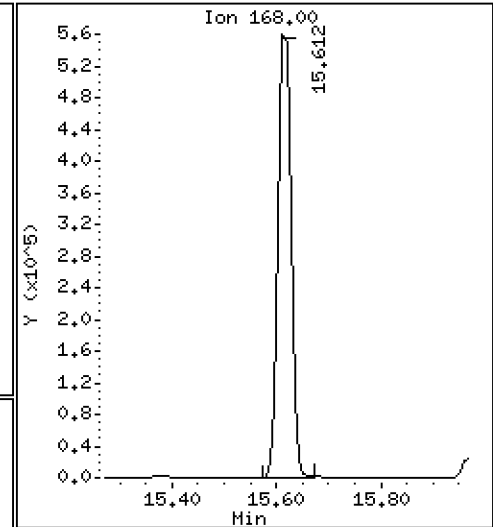
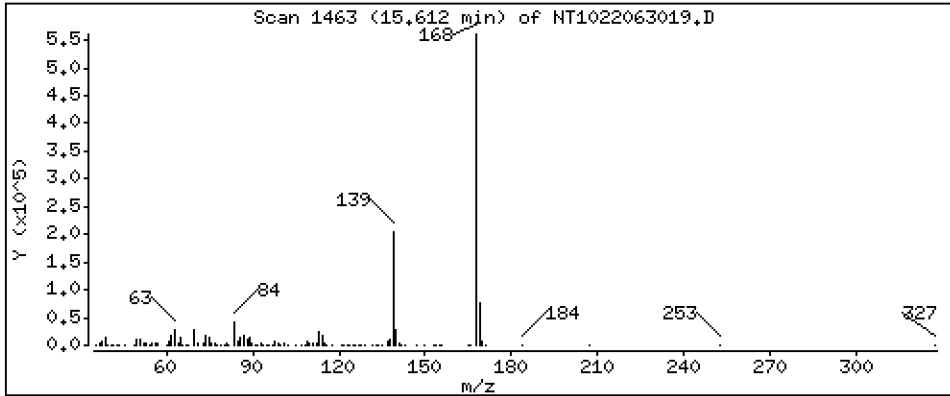
Operator: VTS

Column phase: ZB-5msi

Column diameter: 0,25

46 Dibenzofuran

Concentration: 5,597 ug/mL



Date : 01-JUL-2022 01:13

Client ID:

Instrument: nt10.i

Sample Info: SKG0010-CCV1

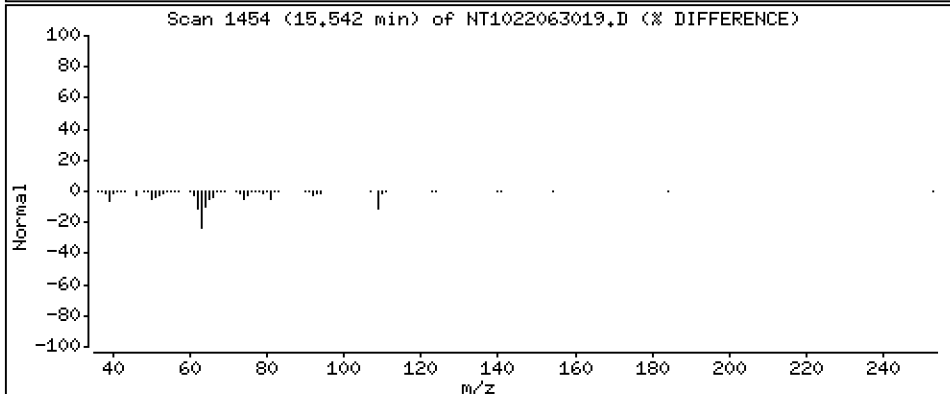
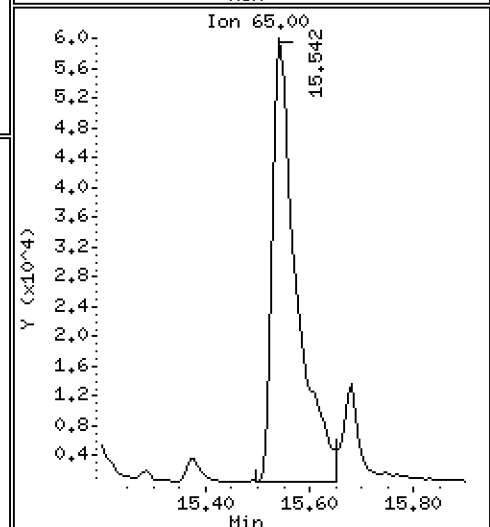
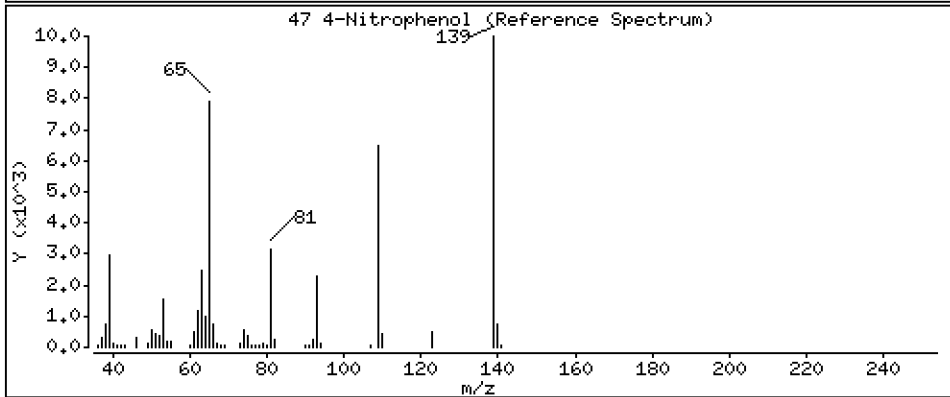
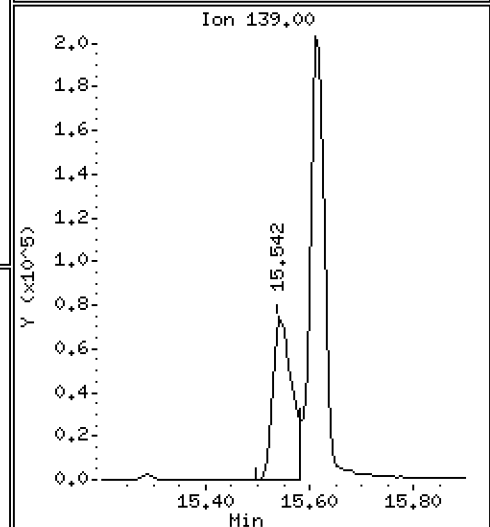
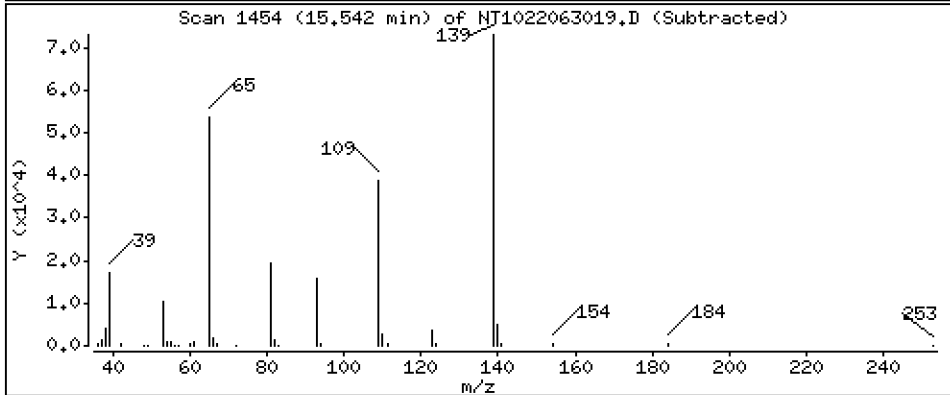
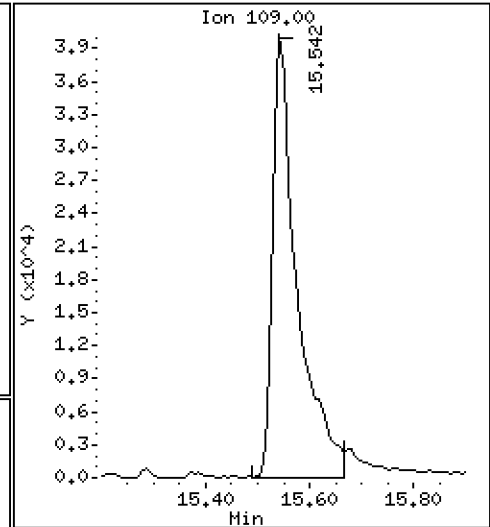
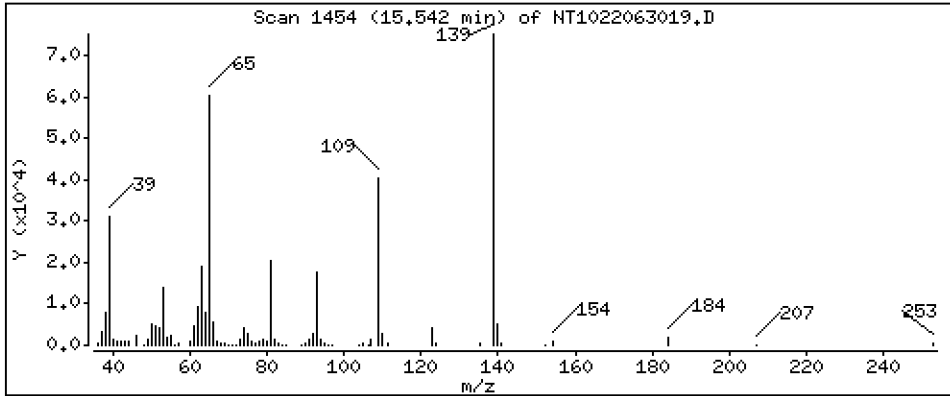
Operator: VTS

Column phase: ZB-5msi

Column diameter: 0,25

47 4-Nitrophenol

Concentration: 11,23 ug/mL



Date : 01-JUL-2022 01:13

Client ID:

Instrument: nt10.i

Sample Info: SKG0010-CCV1

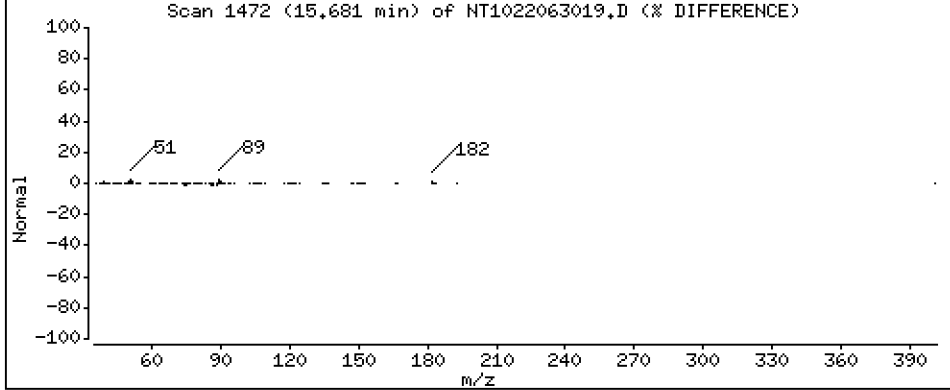
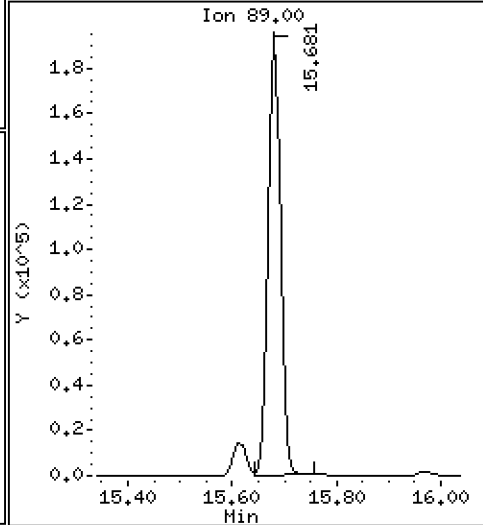
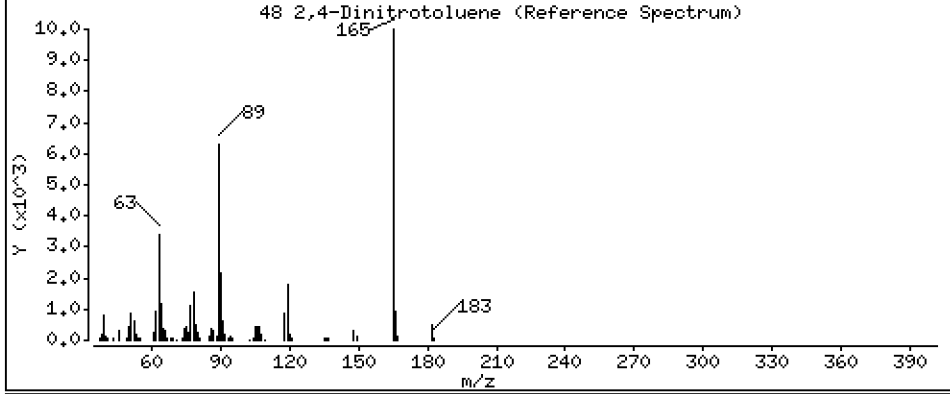
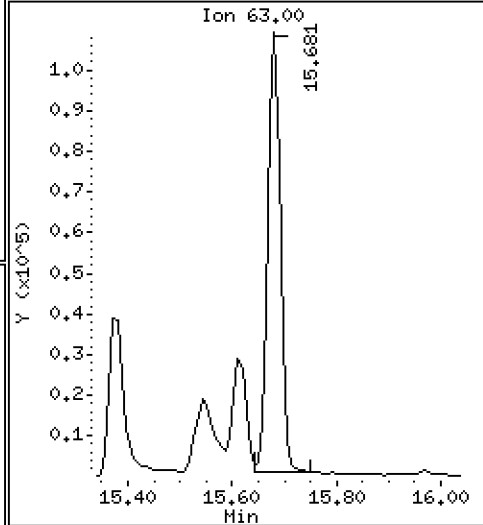
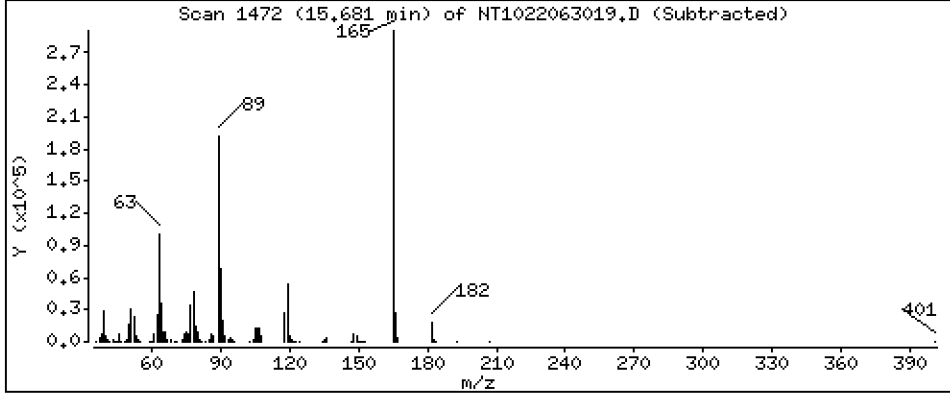
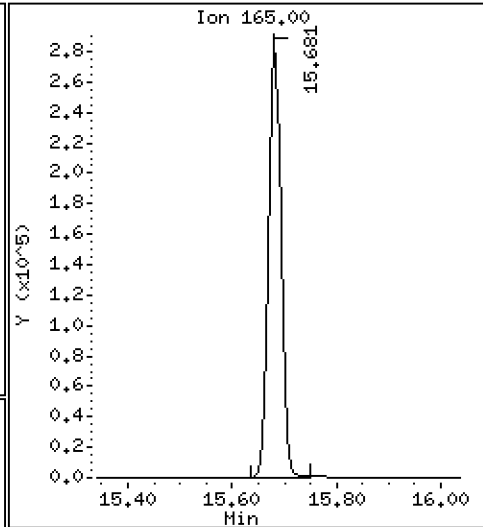
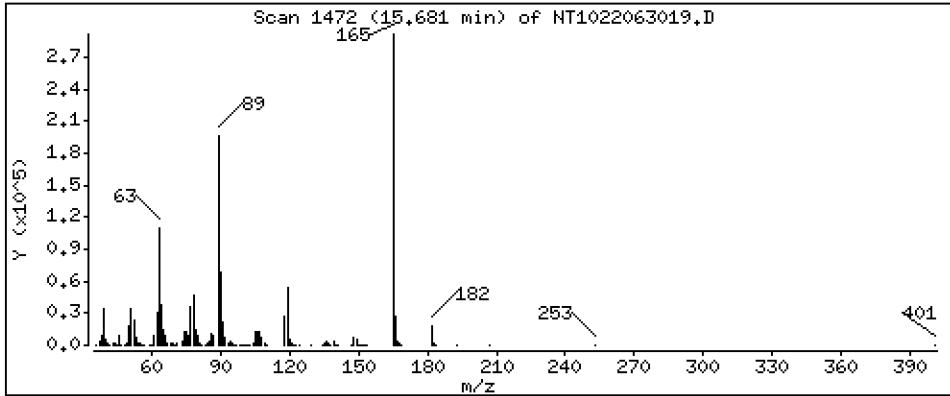
Operator: VTS

Column phase: ZB-5msi

Column diameter: 0,25

48 2,4-Dinitrotoluene

Concentration: 11,52 ug/mL



Date : 01-JUL-2022 01:13

Client ID:

Instrument: nt10.i

Sample Info: SKG0010-CCV1

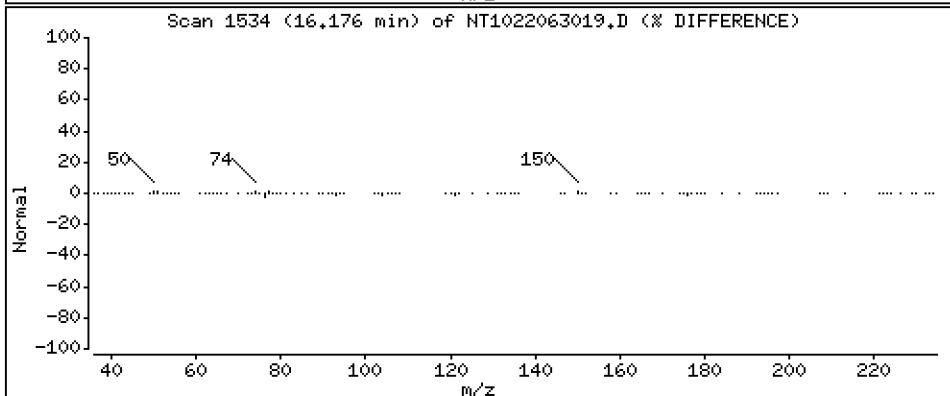
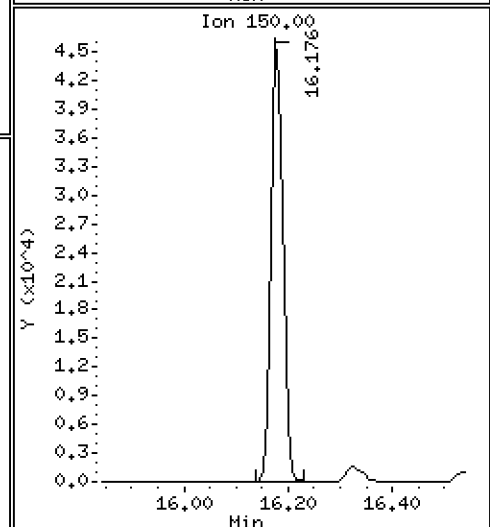
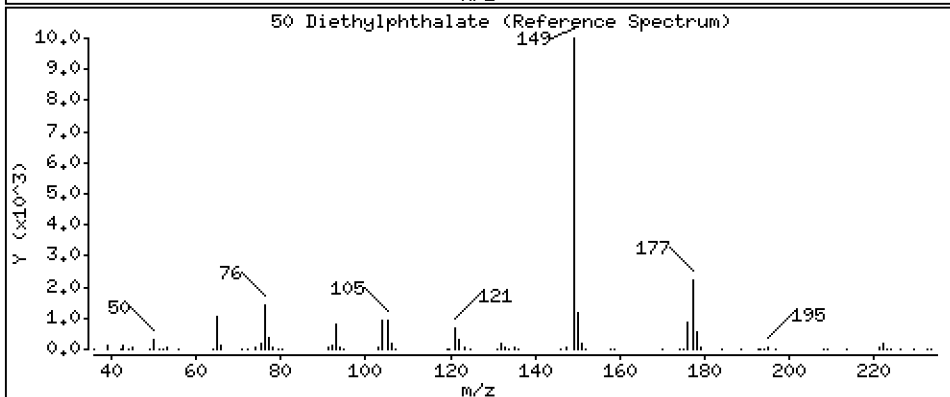
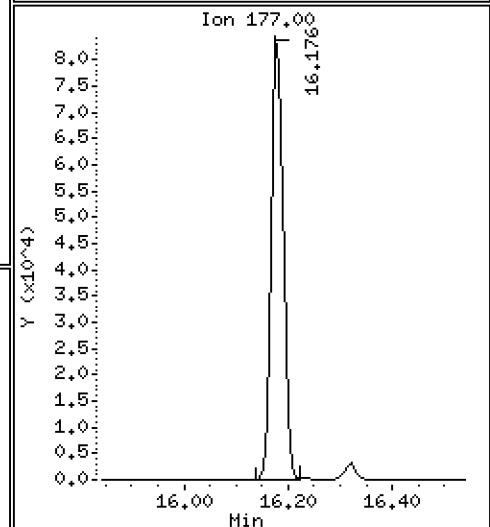
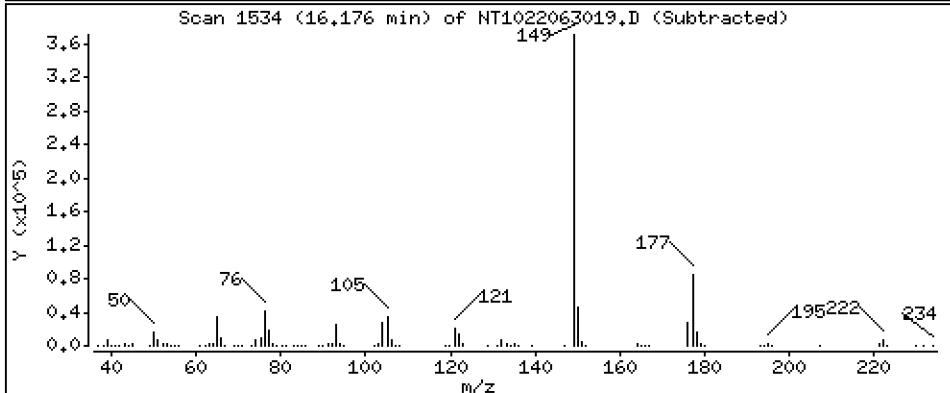
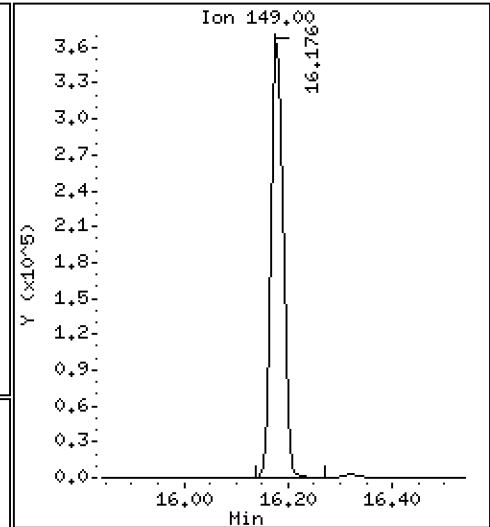
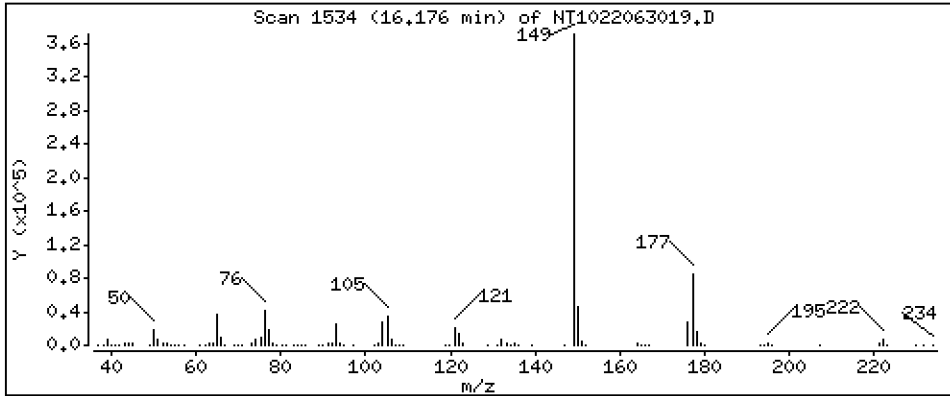
Operator: VTS

Column phase: ZB-5msi

Column diameter: 0,25

50 Diethylphthalate

Concentration: 5,291 ug/mL



Date : 01-JUL-2022 01:13

Client ID:

Instrument: nt10.i

Sample Info: SKG0010-CCV1

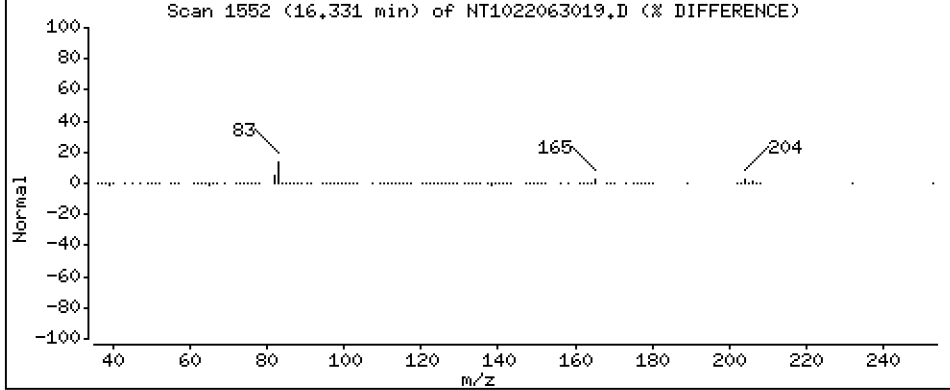
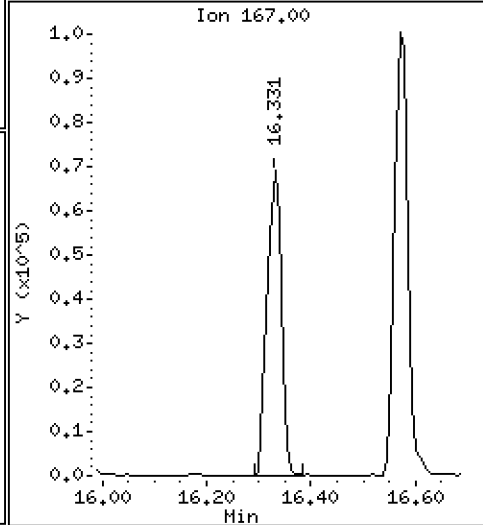
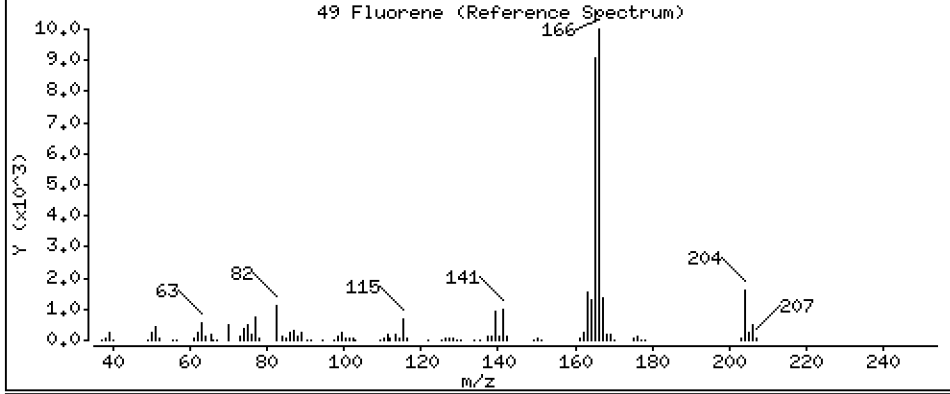
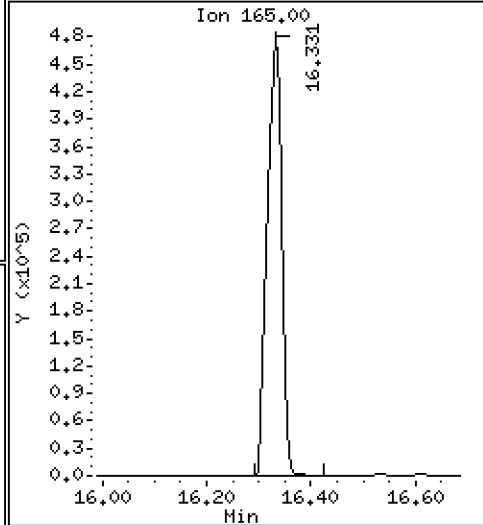
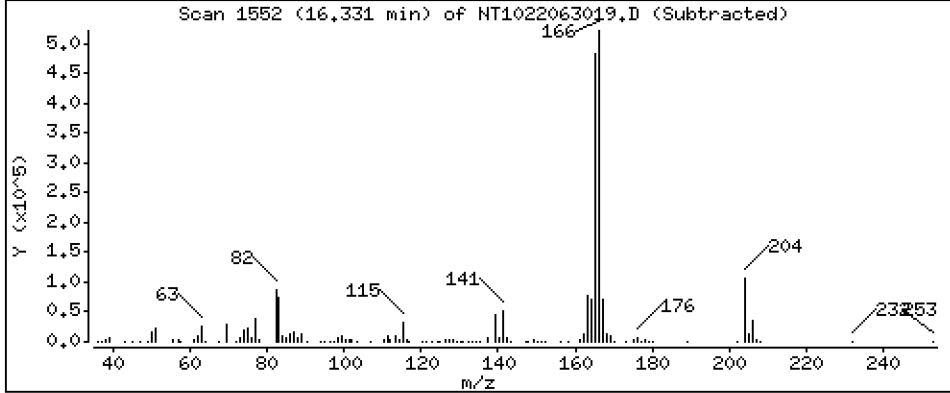
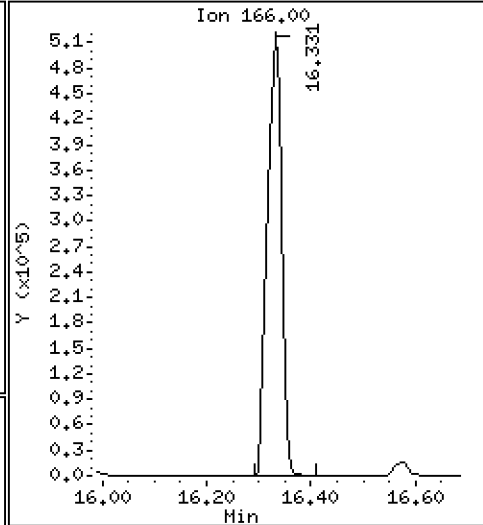
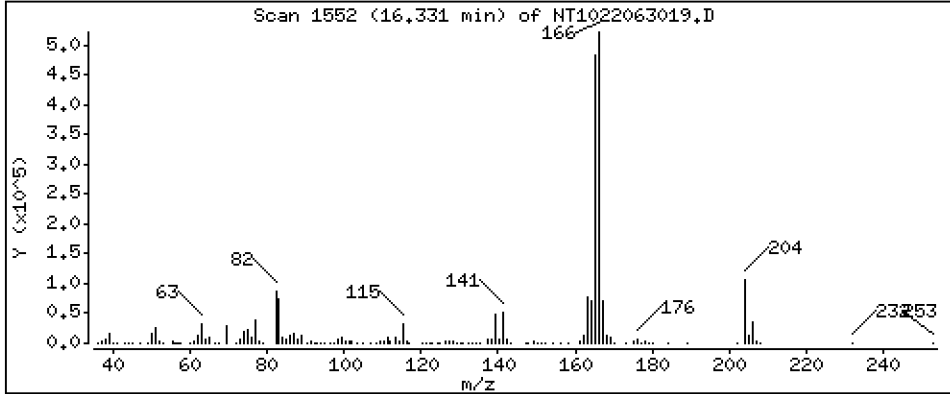
Operator: VTS

Column phase: ZB-5msi

Column diameter: 0,25

49 Fluorene

Concentration: 4,429 ug/mL



Date : 01-JUL-2022 01:13

Client ID:

Instrument: nt10.i

Sample Info: SKG0010-CCV1

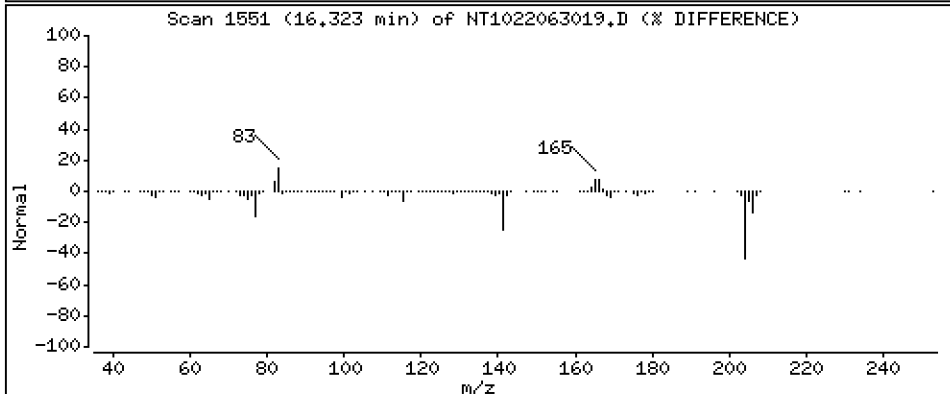
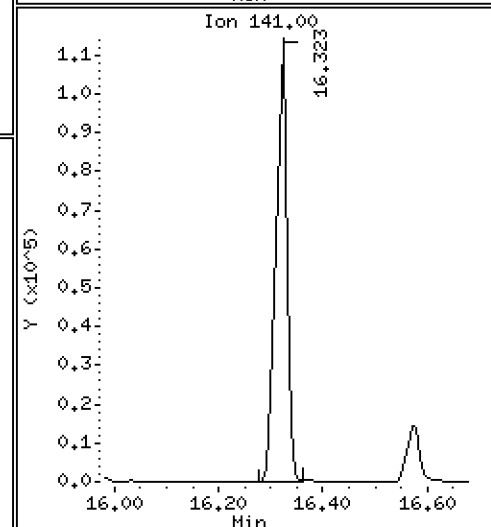
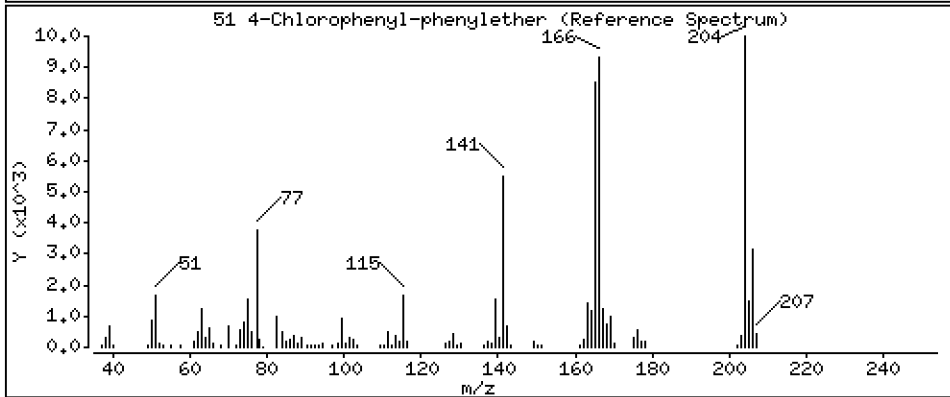
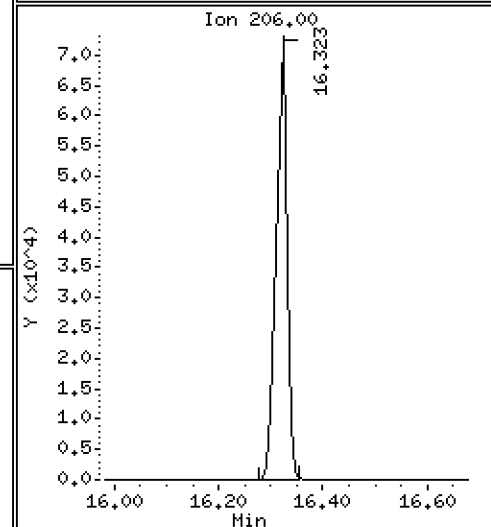
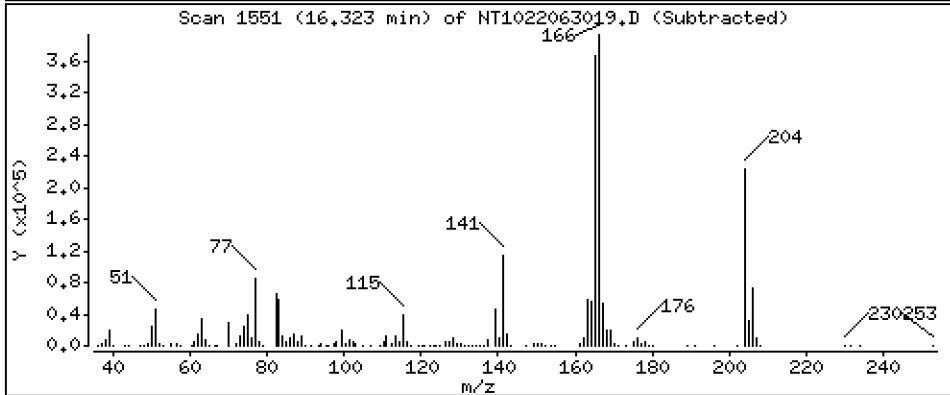
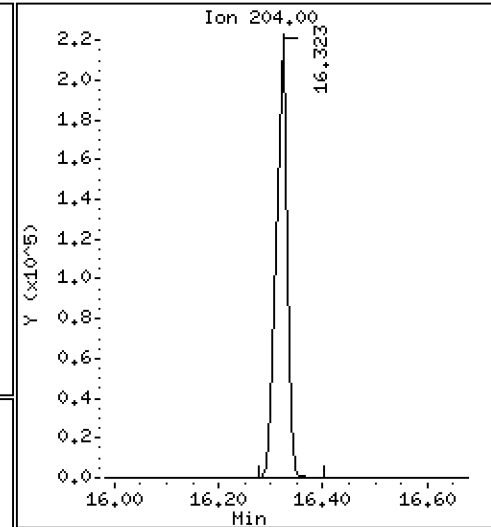
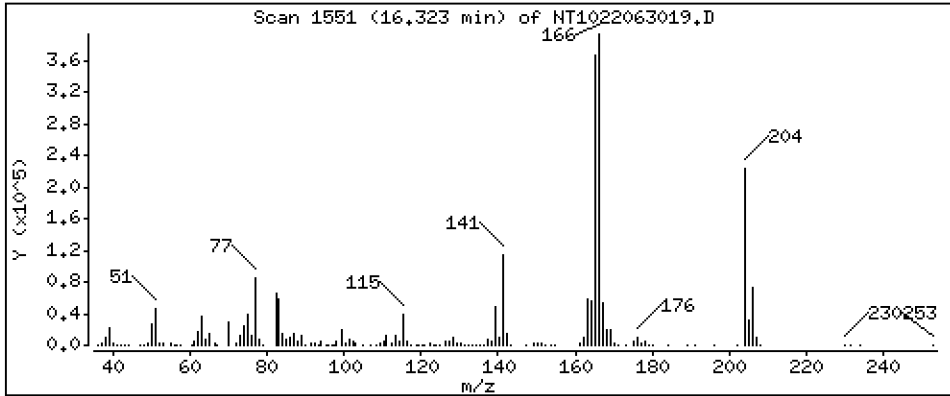
Operator: VTS

Column phase: ZB-5msi

Column diameter: 0,25

51 4-Chlorophenyl-phenylether

Concentration: 2,476 ug/mL



Date : 01-JUL-2022 01:13

Client ID:

Instrument: nt10.i

Sample Info: SKG0010-CCV1

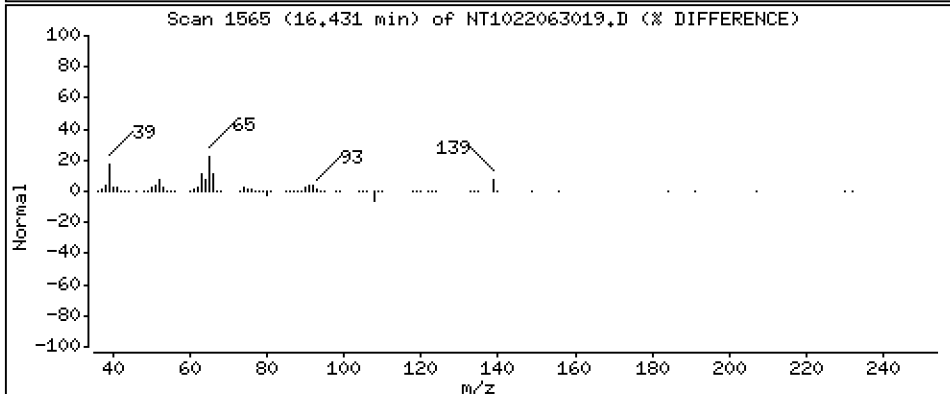
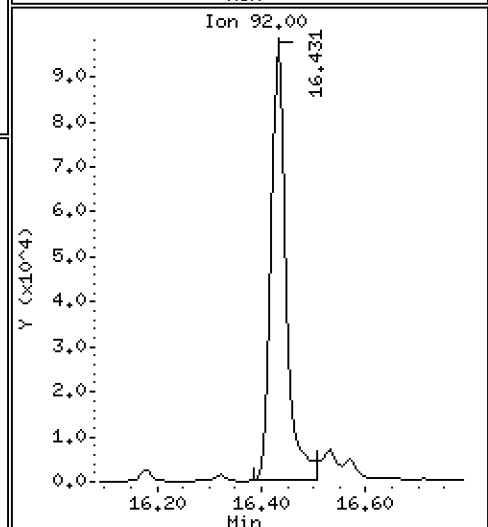
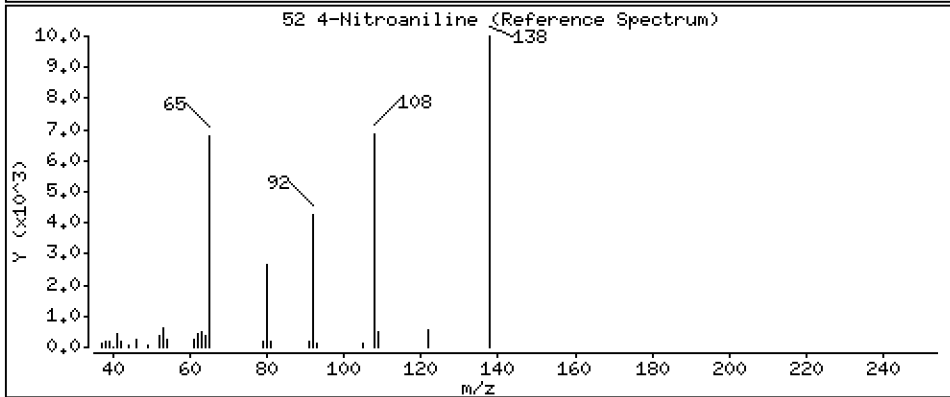
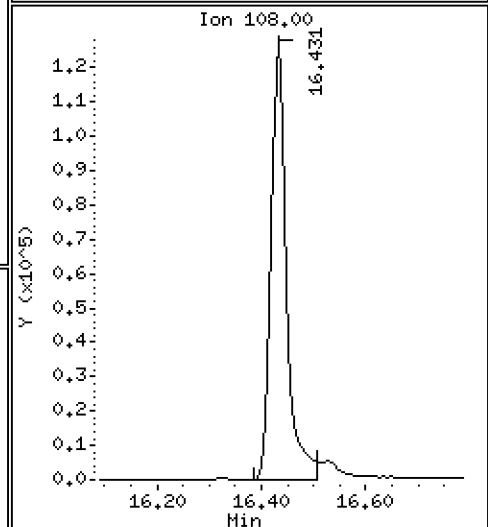
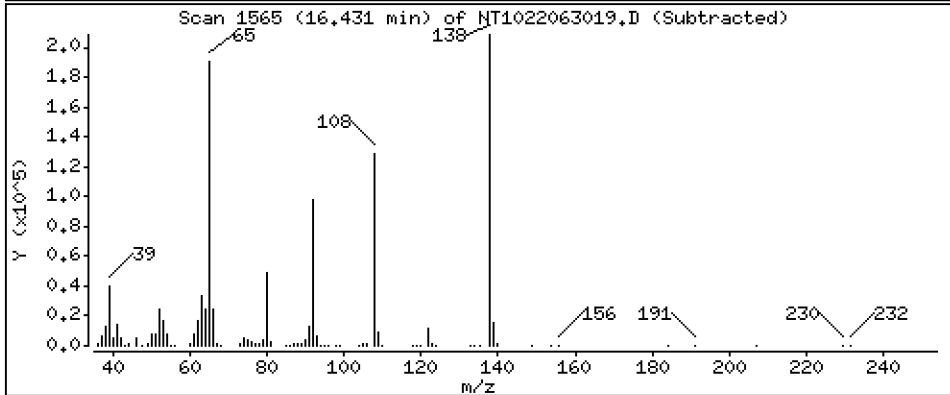
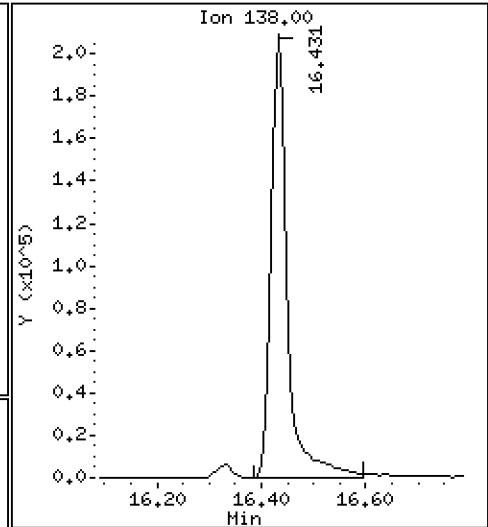
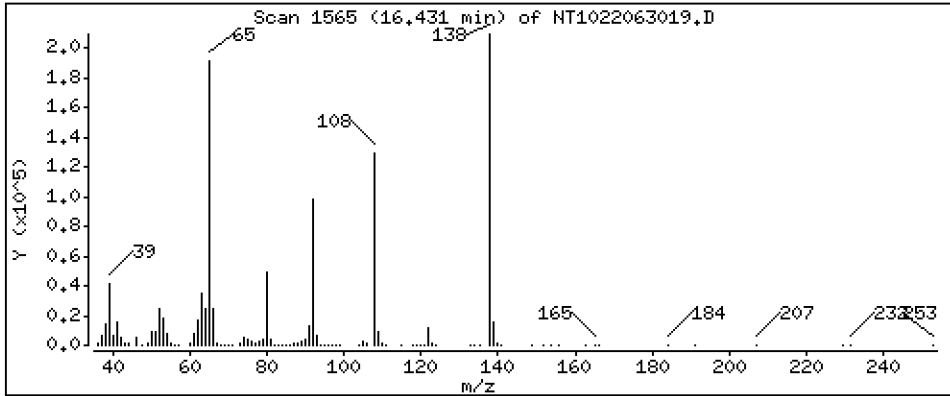
Operator: VTS

Column phase: ZB-5msi

Column diameter: 0,25

52 4-Nitroaniline

Concentration: 12,58 ug/mL



Date : 01-JUL-2022 01:13

Client ID:

Instrument: nt10.i

Sample Info: SKG0010-CCV1

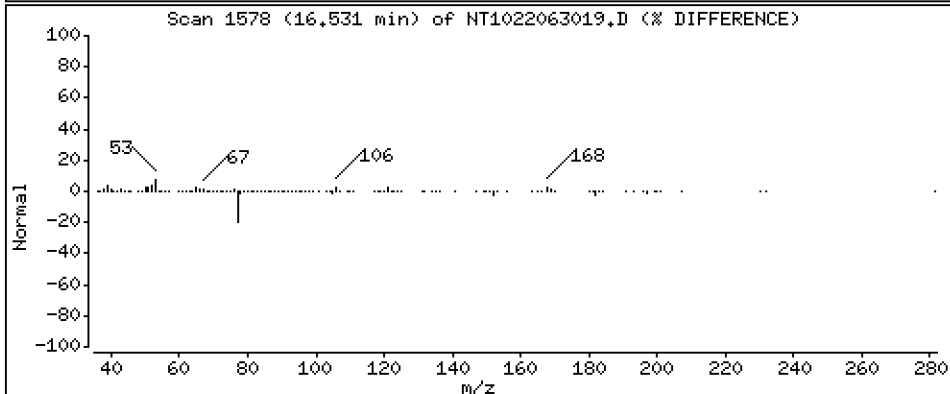
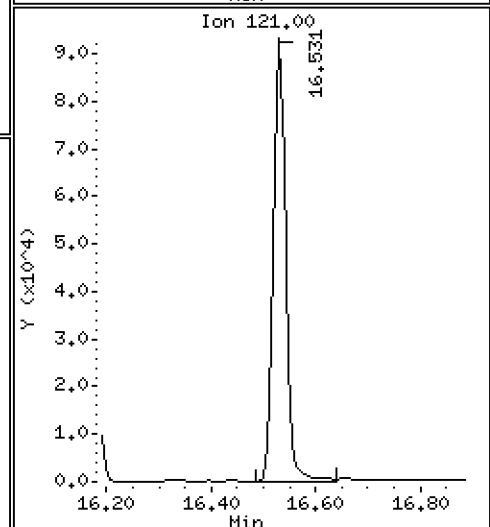
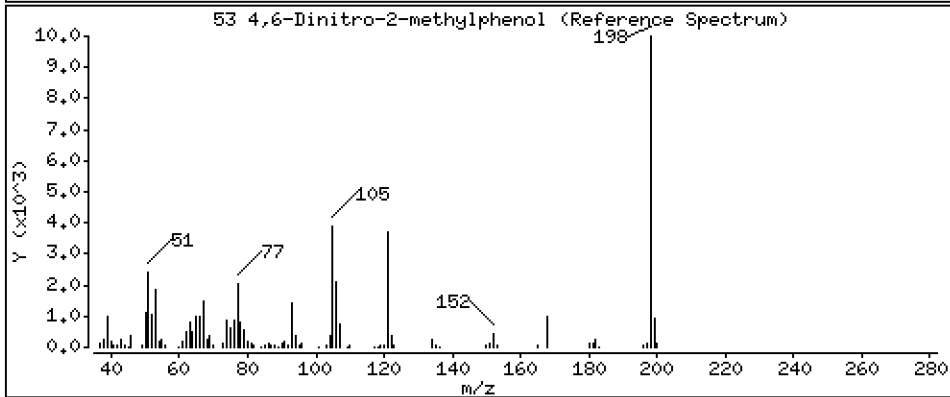
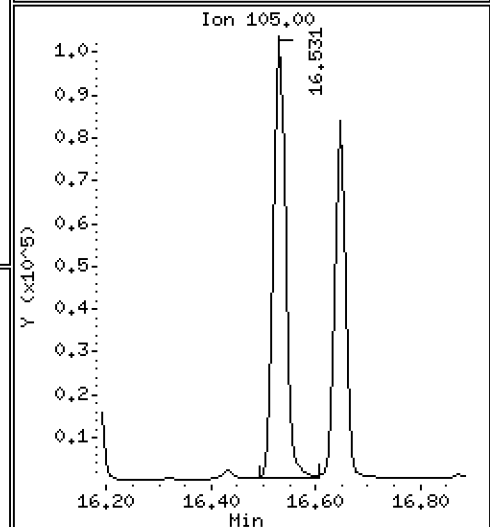
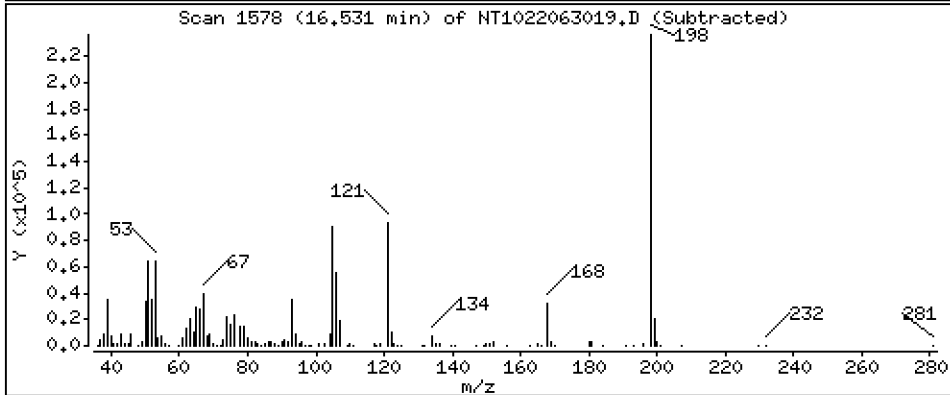
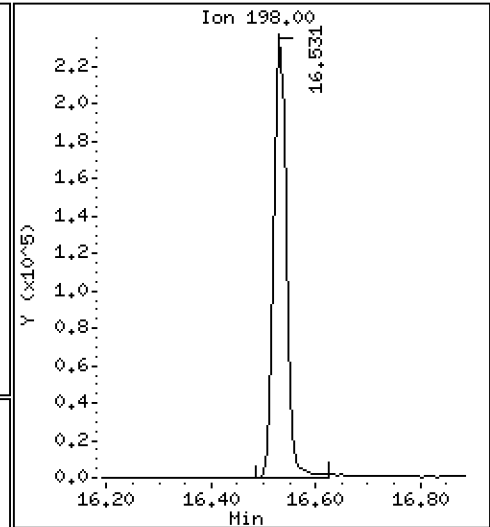
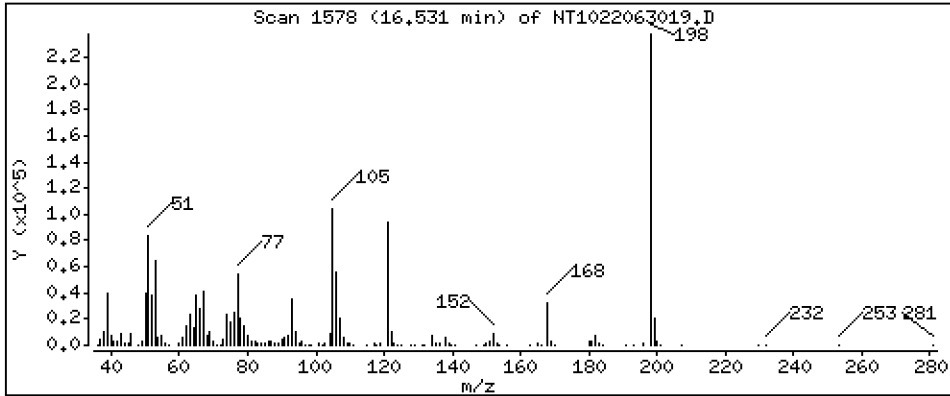
Operator: VTS

Column phase: ZB-5msi

Column diameter: 0,25

53 4,6-Dinitro-2-methylphenol

Concentration: 15,32 ug/mL



Date : 01-JUL-2022 01:13

Client ID:

Instrument: nt10.i

Sample Info: SKG0010-CCV1

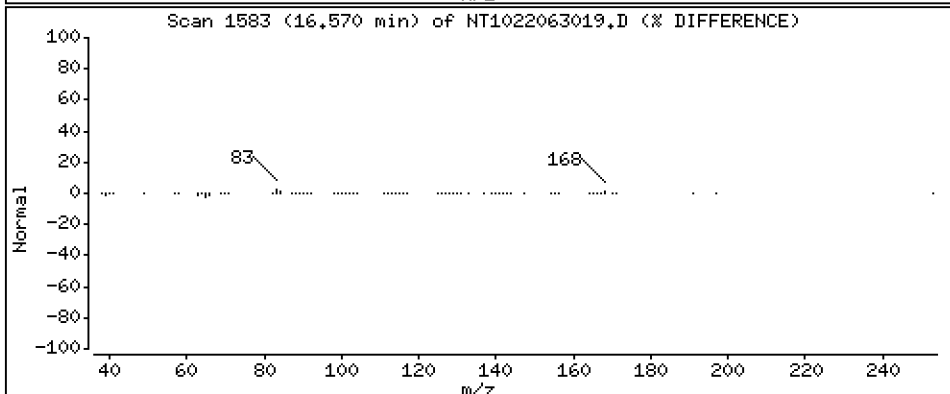
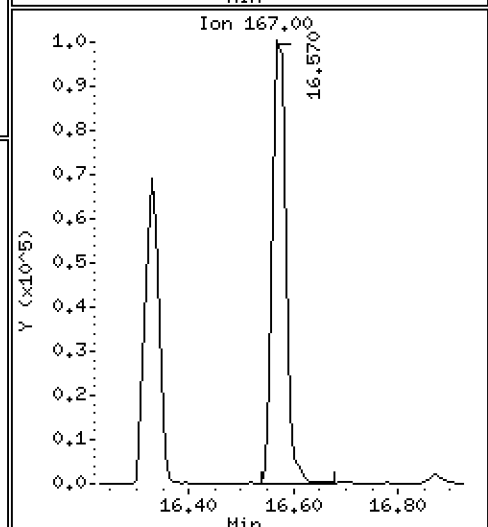
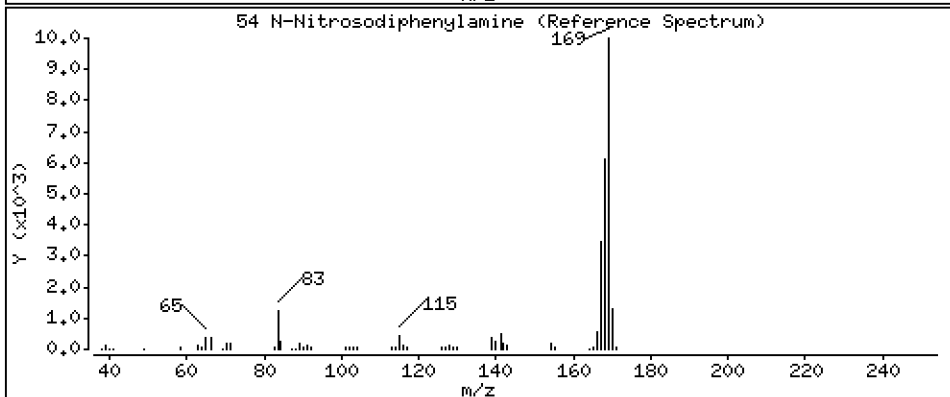
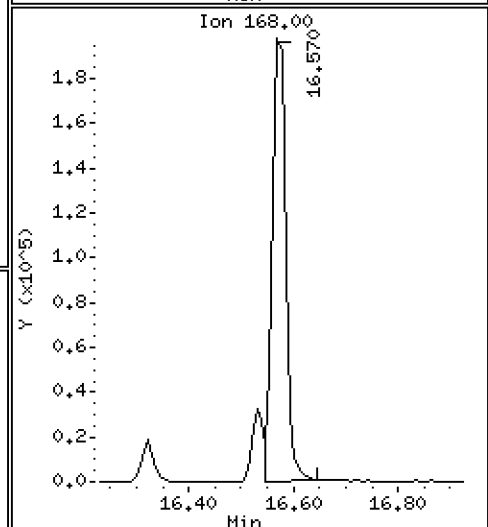
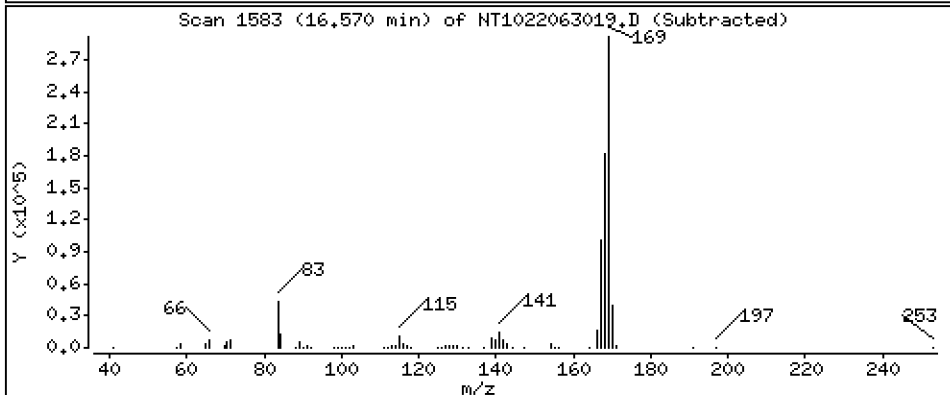
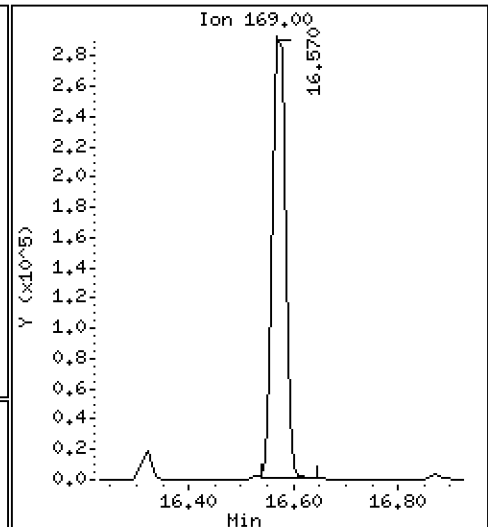
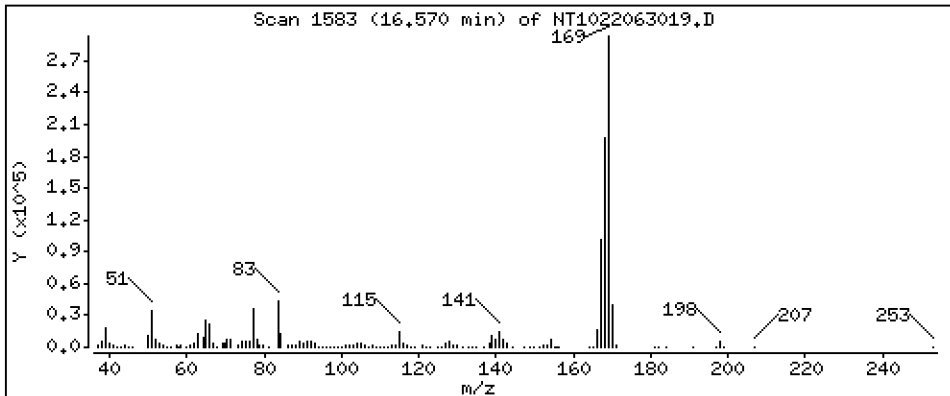
Operator: VTS

Column phase: ZB-5msi

Column diameter: 0.25

54 N-Nitrosodiphenylamine

Concentration: 4.900 ug/mL



Date : 01-JUL-2022 01:13

Client ID:

Instrument: nt10.i

Sample Info: SKG0010-CCV1

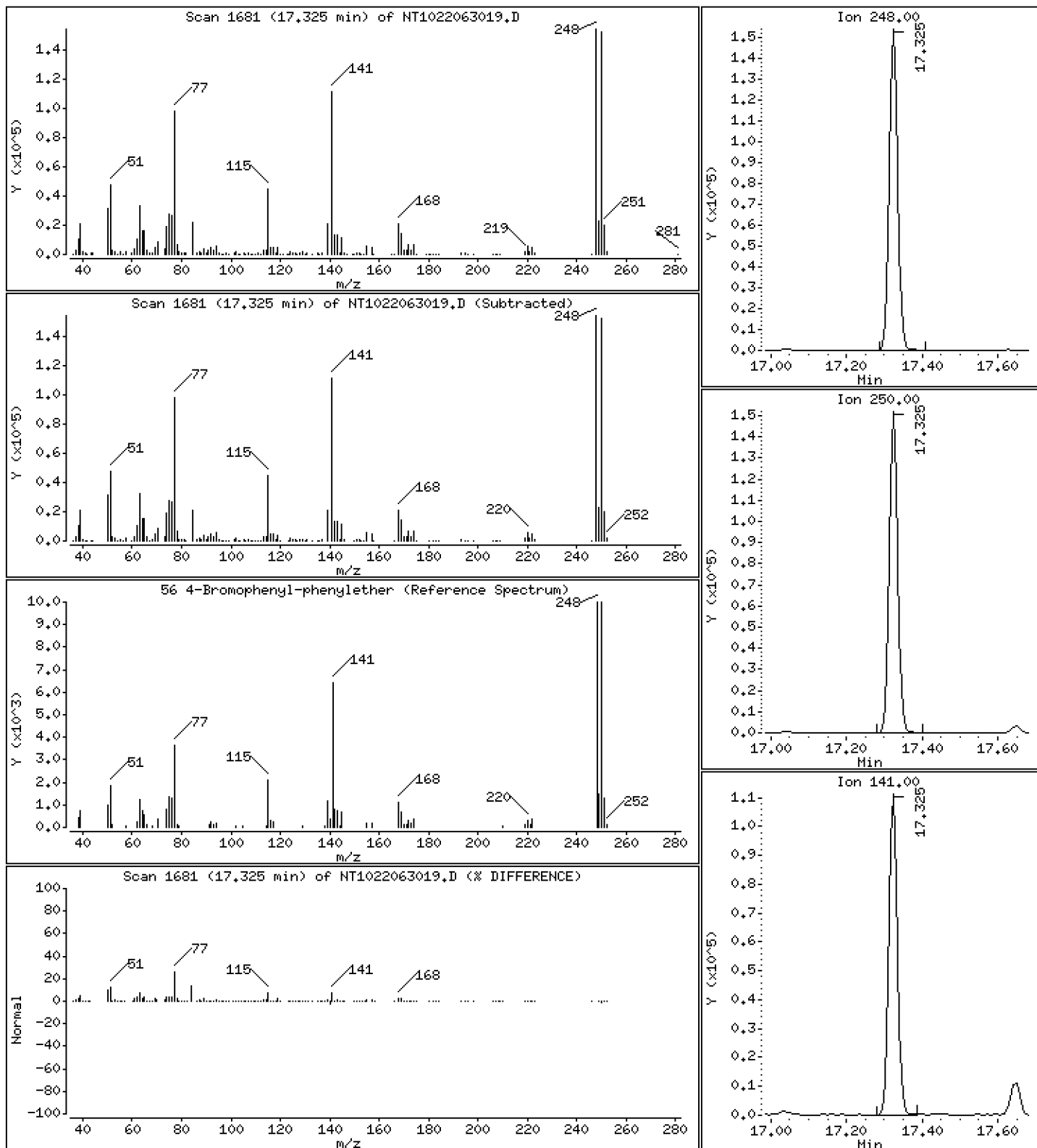
Operator: VTS

Column phase: ZB-5msi

Column diameter: 0,25

56 4-Bromophenyl-phenylether

Concentration: 5,320 ug/mL



Date : 01-JUL-2022 01:13

Client ID:

Instrument: nt10.i

Sample Info: SKG0010-CCV1

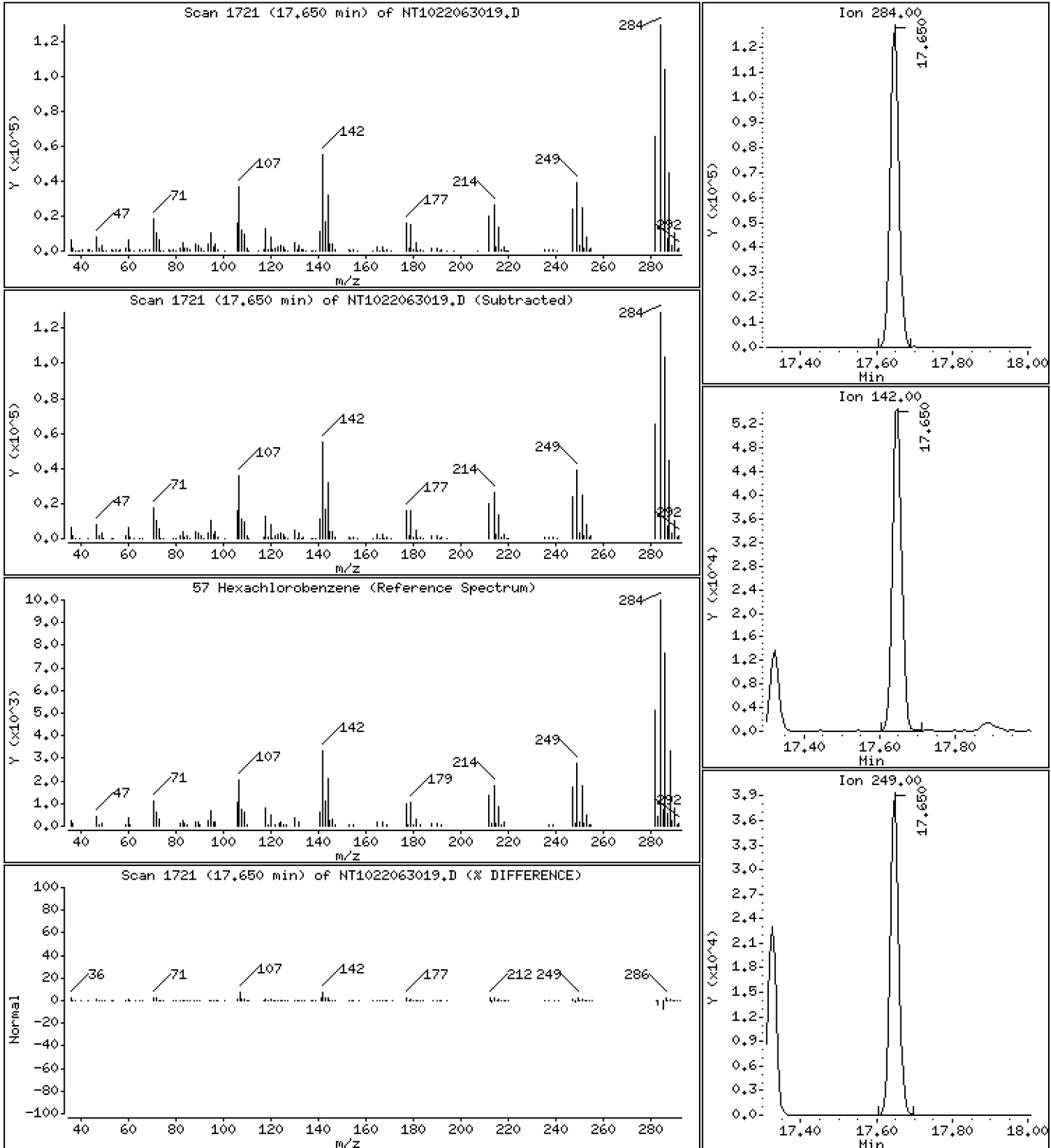
Operator: VTS

Column phase: ZB-5msi

Column diameter: 0,25

57 Hexachlorobenzene

Concentration: 5,034 ug/mL



Date : 01-JUL-2022 01:13

Client ID:

Instrument: nt10.i

Sample Info: SKG0010-CCV1

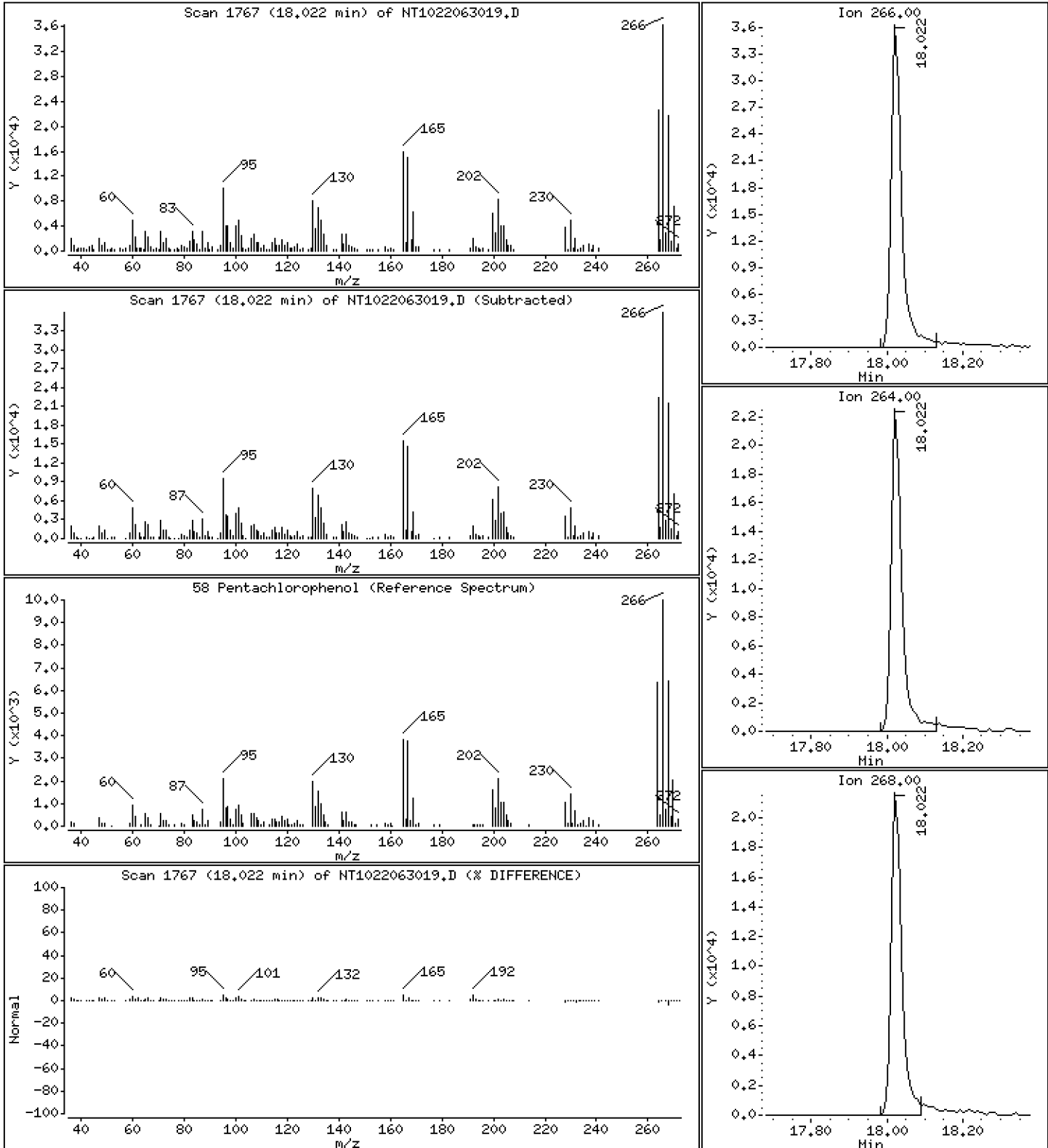
Operator: VTS

Column phase: ZB-5msi

Column diameter: 0,25

58 Pentachlorophenol

Concentration: 6,860 ug/mL



Date : 01-JUL-2022 01:13

Client ID:

Instrument: nt10.i

Sample Info: SKG0010-CCV1

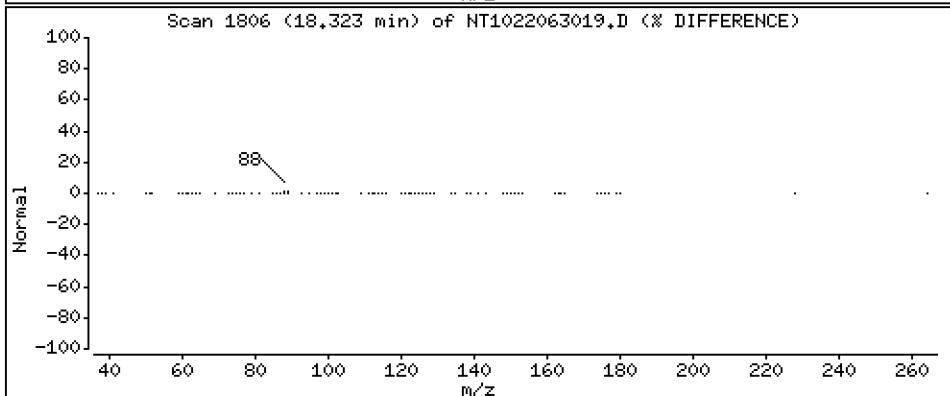
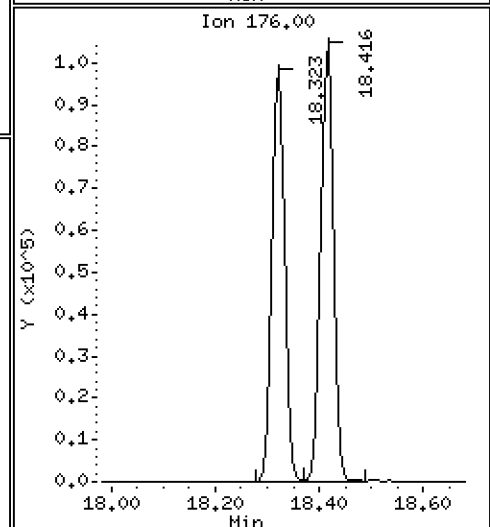
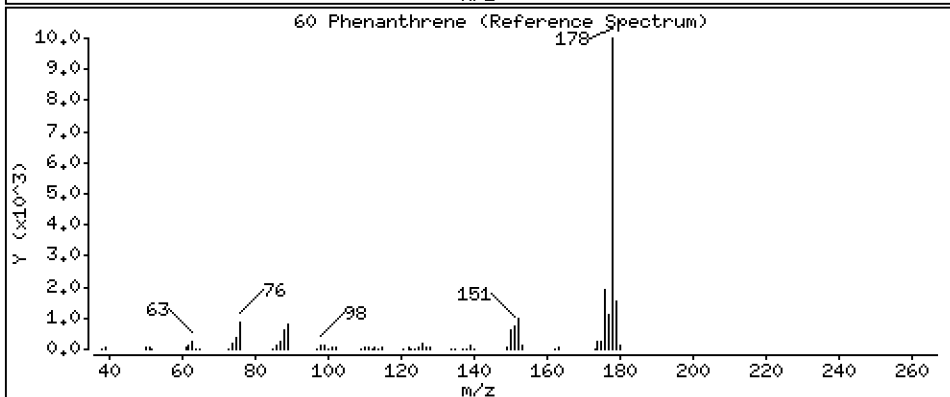
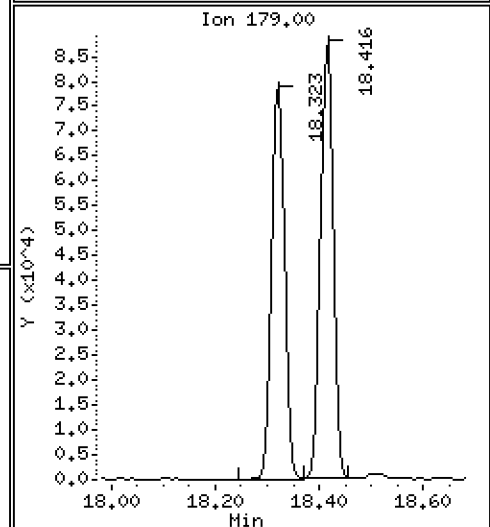
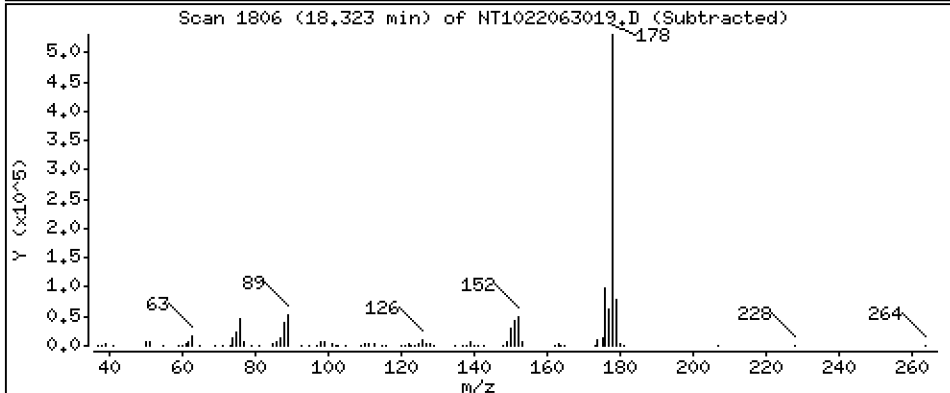
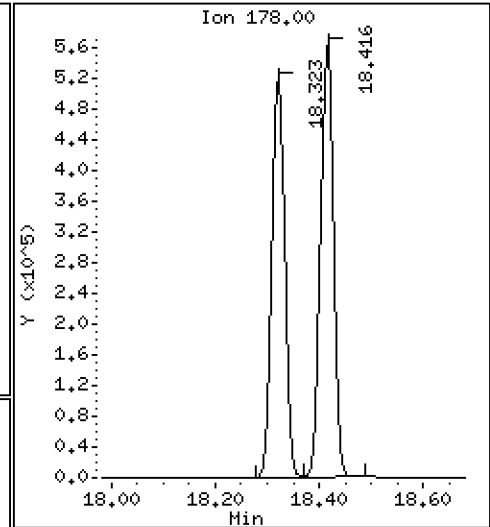
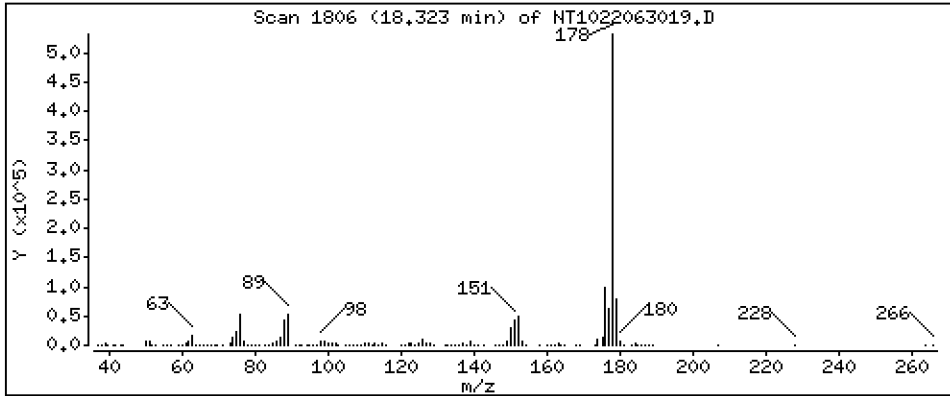
Operator: VTS

Column phase: ZB-5msi

Column diameter: 0,25

60 Phenanthrene

Concentration: 5,170 ug/mL



Date : 01-JUL-2022 01:13

Client ID:

Instrument: nt10.i

Sample Info: SKG0010-CCV1

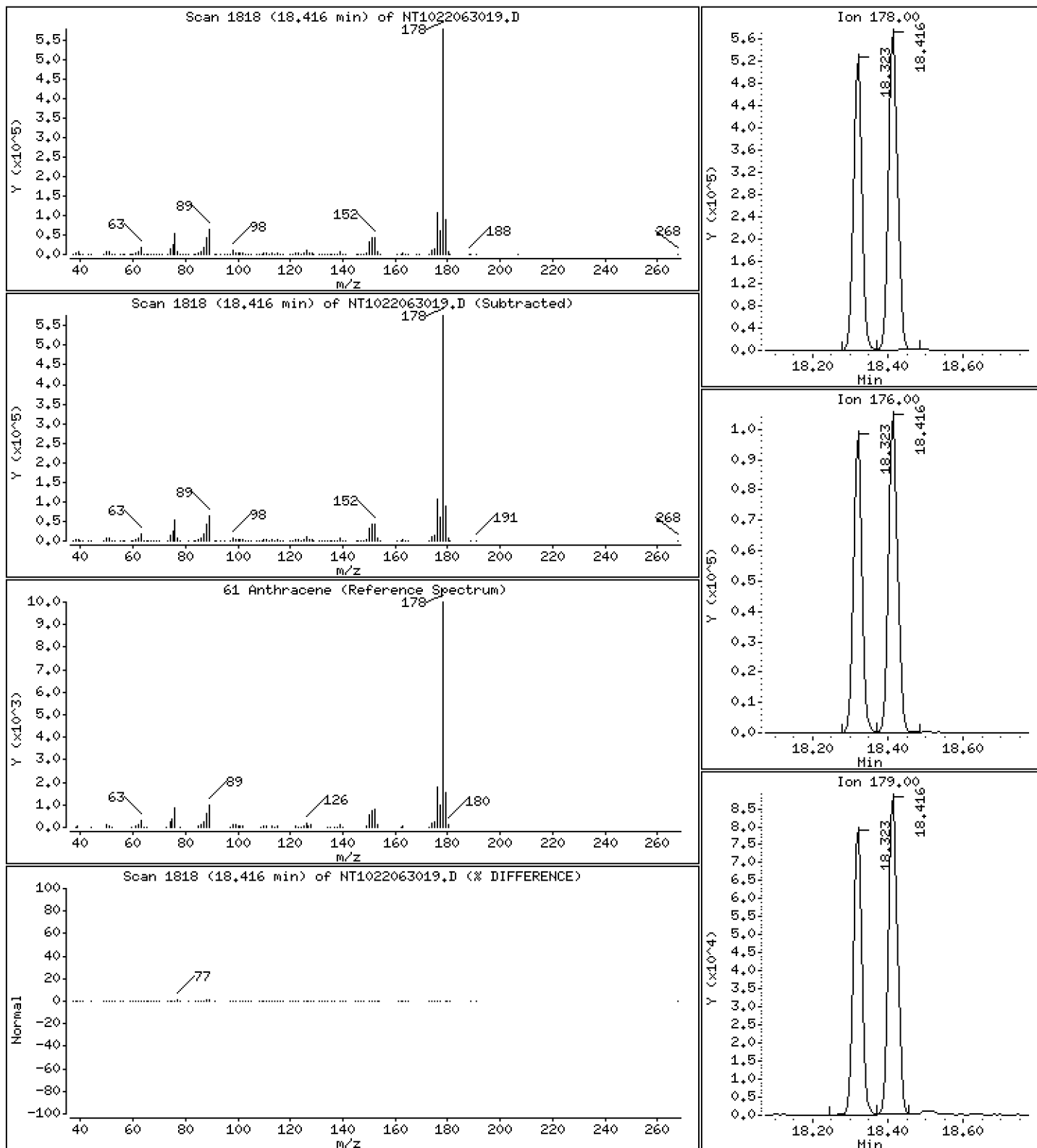
Operator: VTS

Column phase: ZB-5msi

Column diameter: 0,25

61 Anthracene

Concentration: 5,366 ug/mL



Date : 01-JUL-2022 01:13

Client ID:

Instrument: nt10.i

Sample Info: SKG0010-CCV1

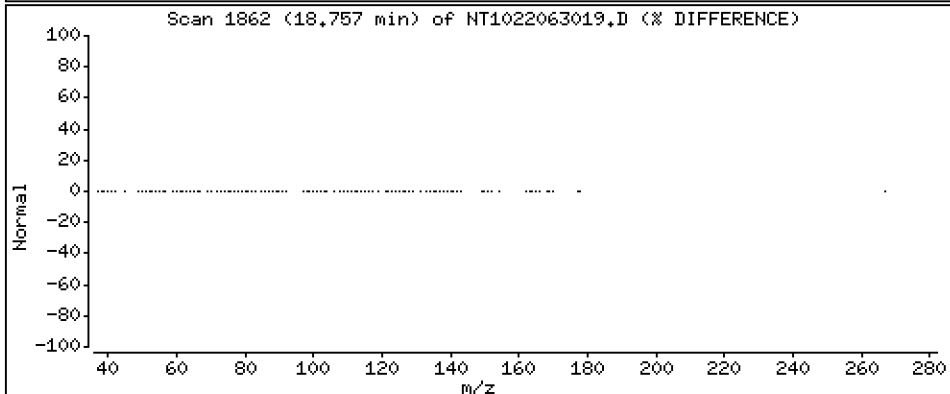
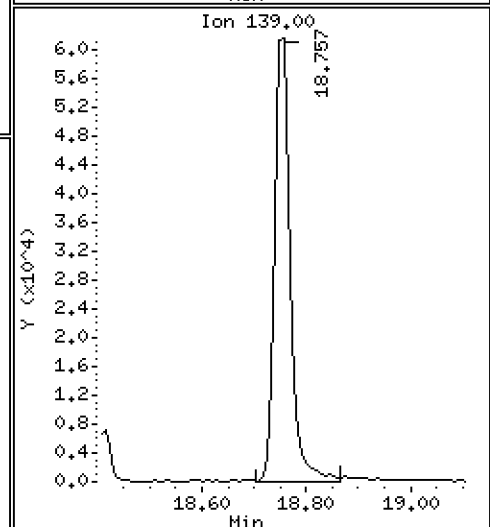
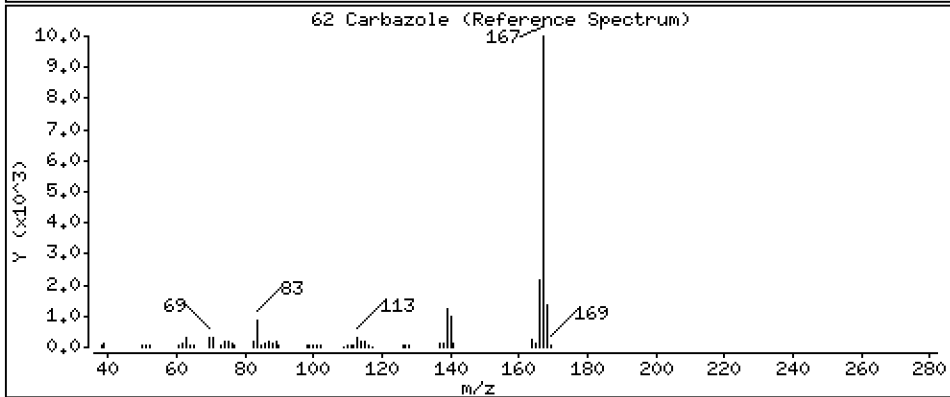
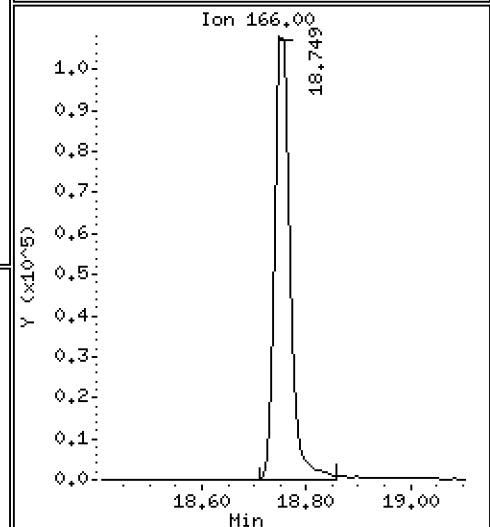
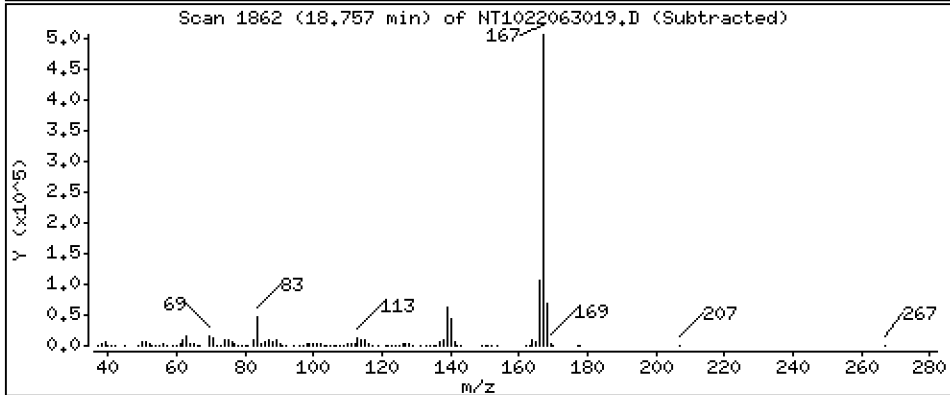
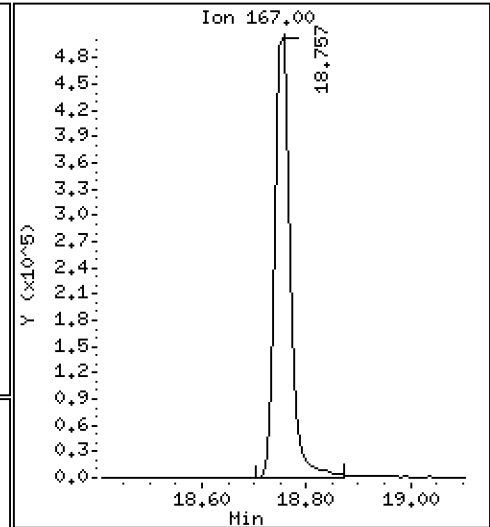
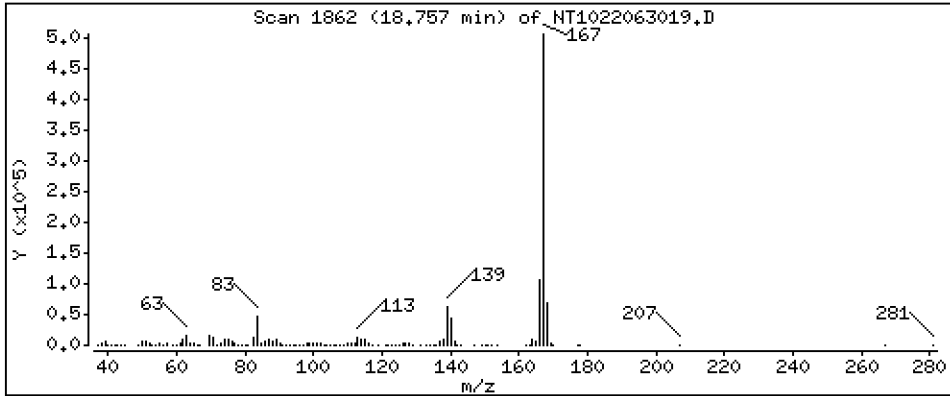
Operator: VTS

Column phase: ZB-5msi

Column diameter: 0,25

62 Carbazole

Concentration: 6,101 ug/mL



Date : 01-JUL-2022 01:13

Client ID:

Instrument: nt10.i

Sample Info: SKG0010-CCV1

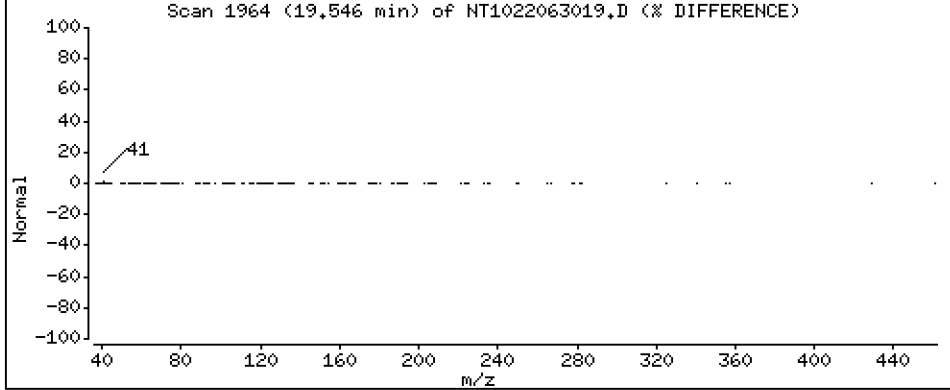
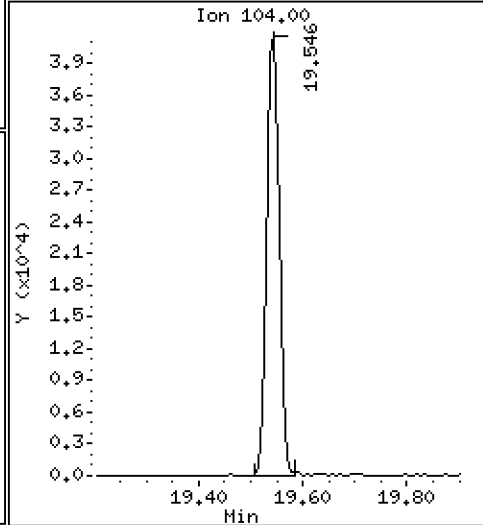
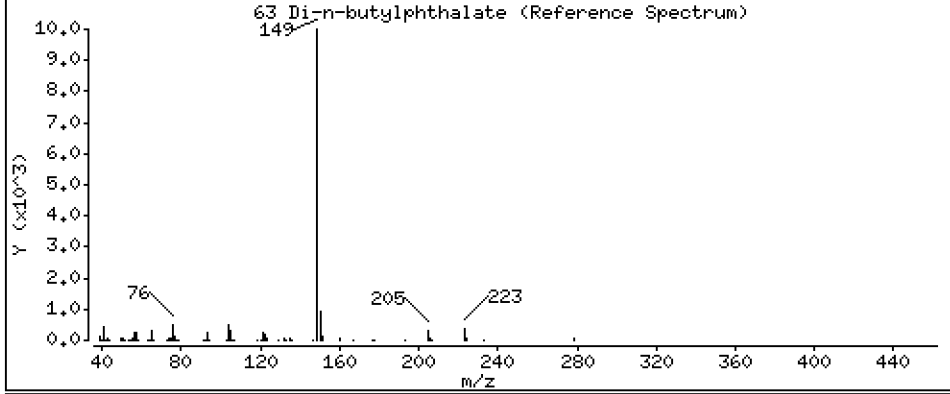
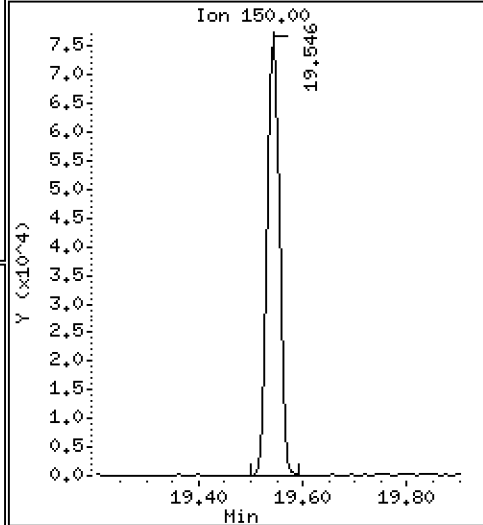
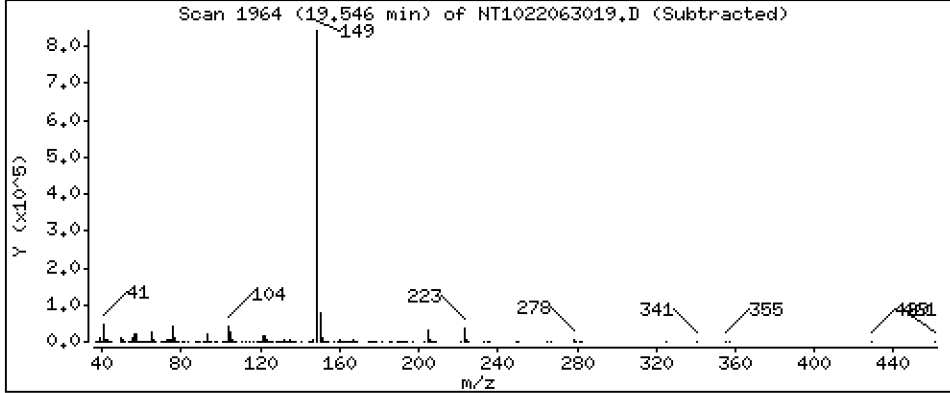
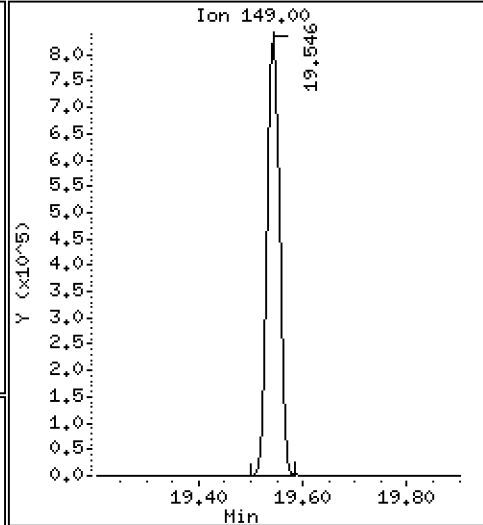
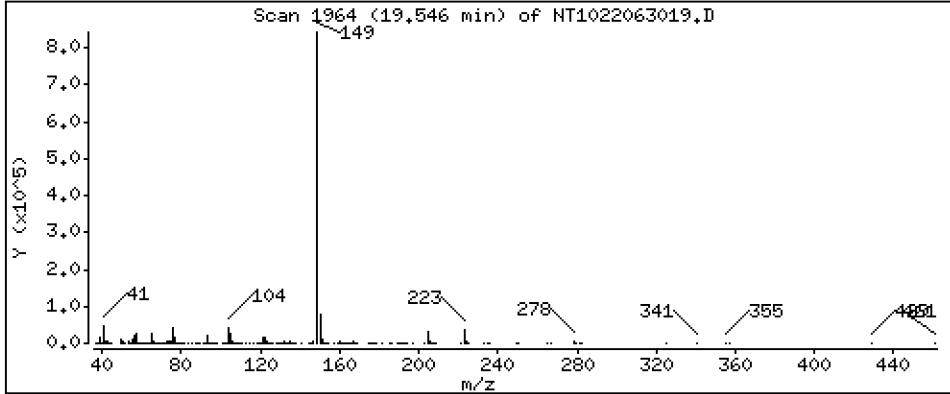
Operator: VTS

Column phase: ZB-5msi

Column diameter: 0,25

63 Di-n-butylphthalate

Concentration: 5,182 ug/mL



Date : 01-JUL-2022 01:13

Client ID:

Instrument: nt10.i

Sample Info: SKG0010-CCV1

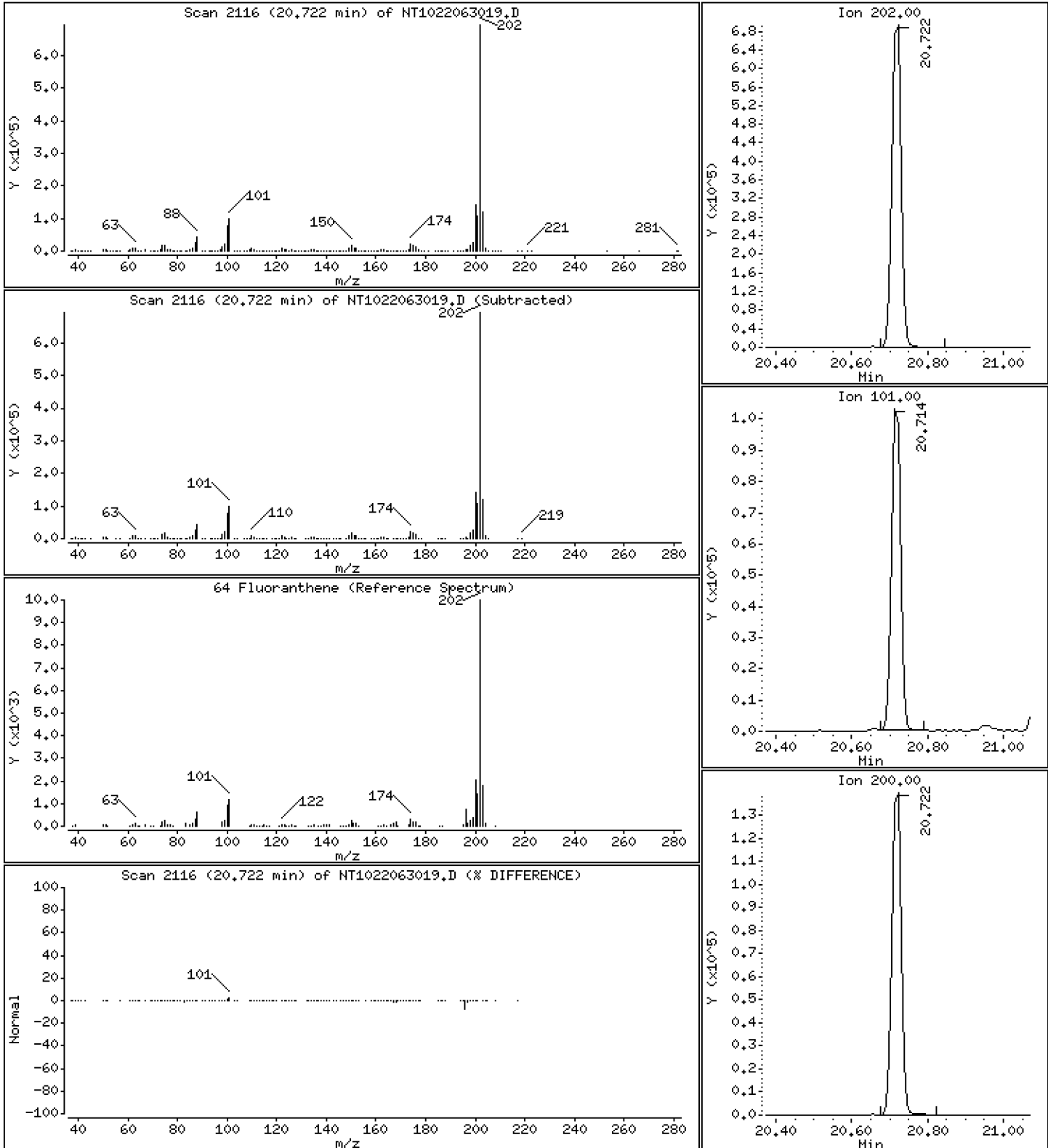
Operator: VTS

Column phase: ZB-5msi

Column diameter: 0,25

64 Fluoranthene

Concentration: 9,340 ug/mL



Date : 01-JUL-2022 01:13

Client ID:

Instrument: nt10.i

Sample Info: SKG0010-CCV1

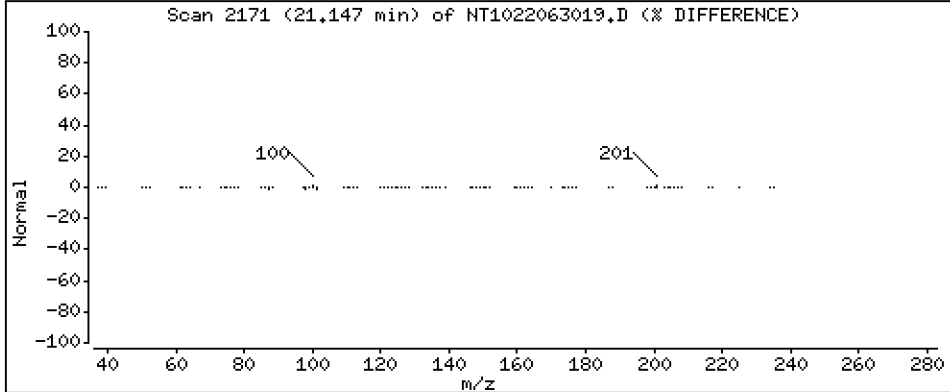
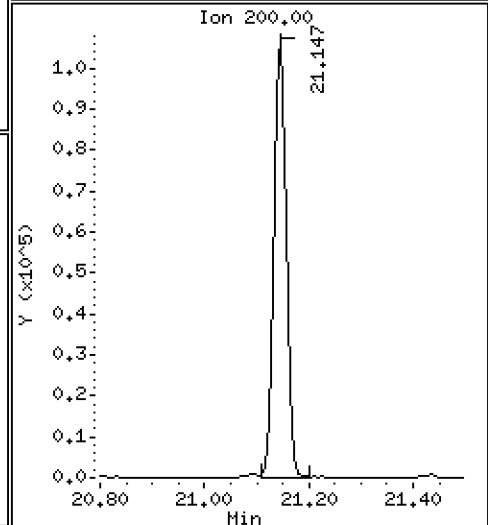
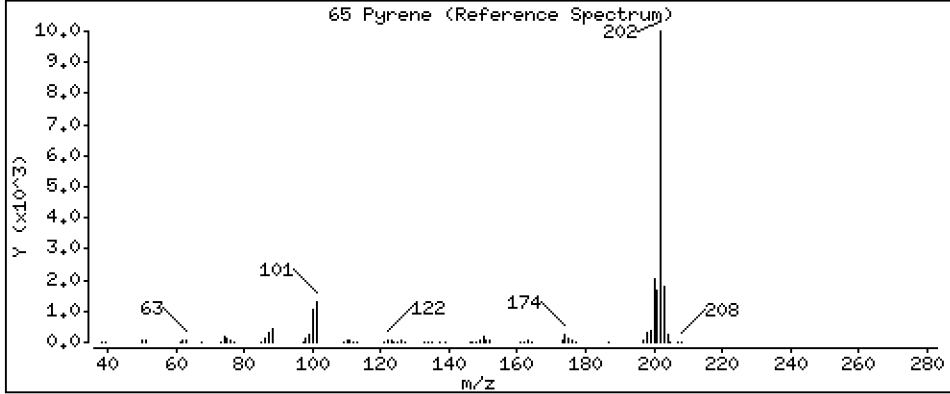
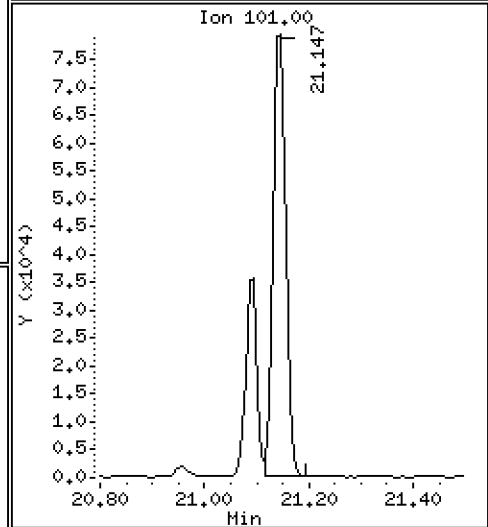
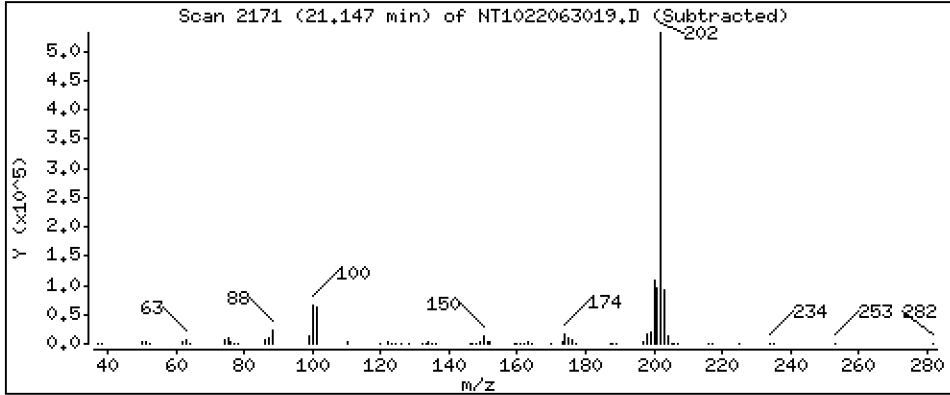
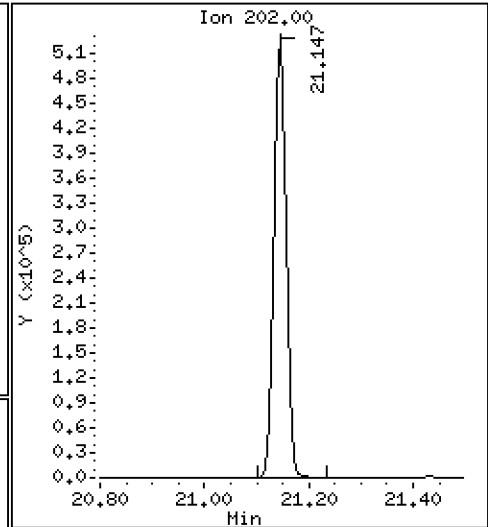
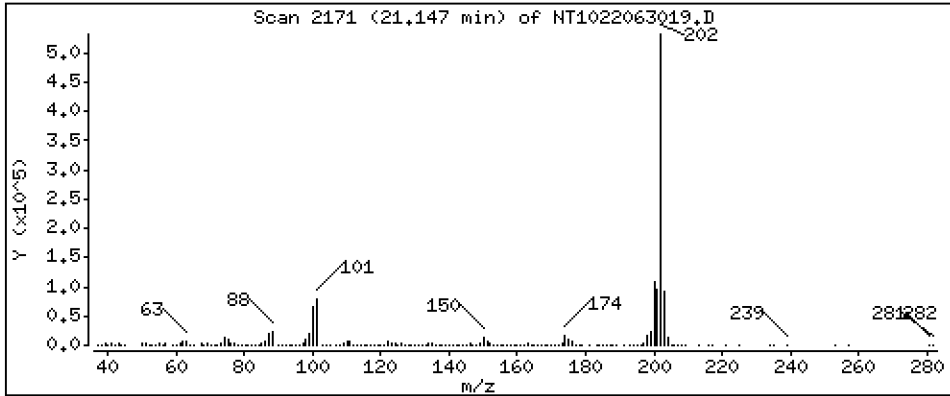
Operator: VTS

Column phase: ZB-5msi

Column diameter: 0,25

65 Pyrene

Concentration: 7,932 ug/mL



Date : 01-JUL-2022 01:13

Client ID:

Instrument: nt10.i

Sample Info: SKG0010-CCV1

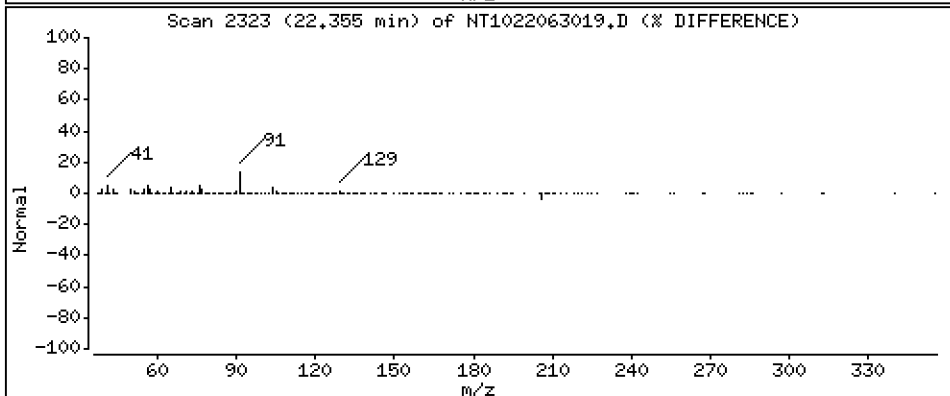
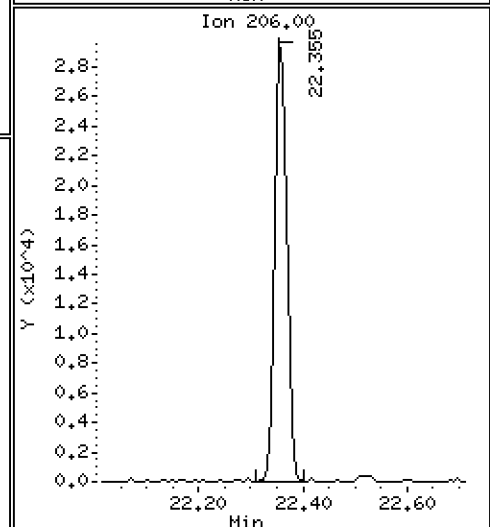
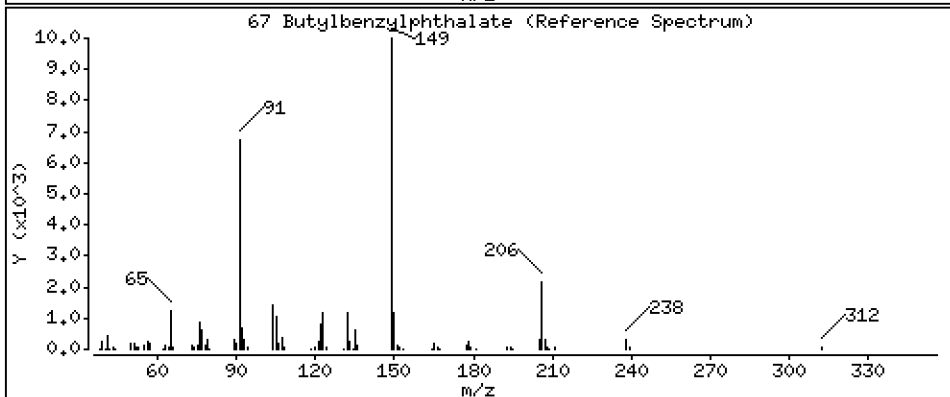
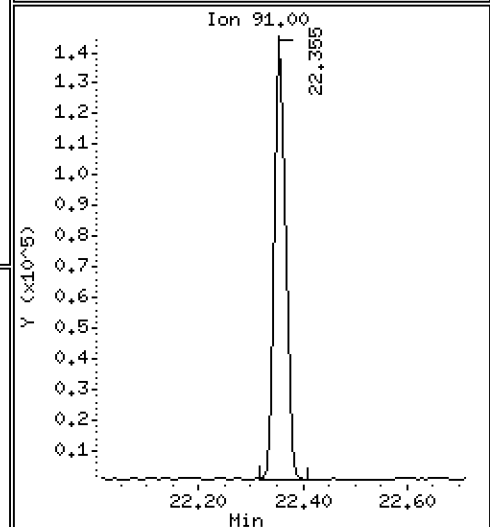
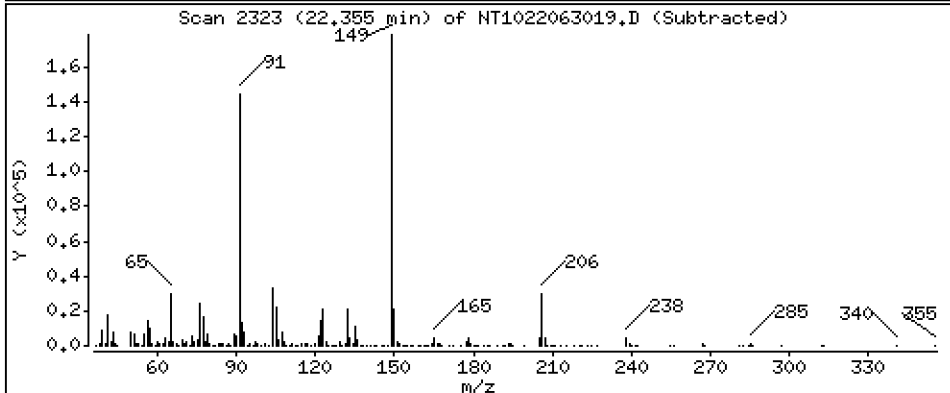
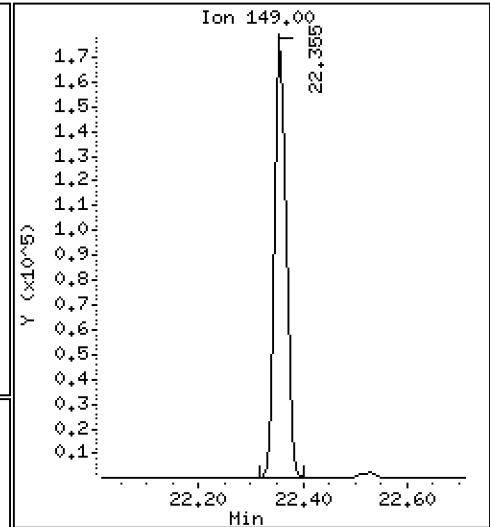
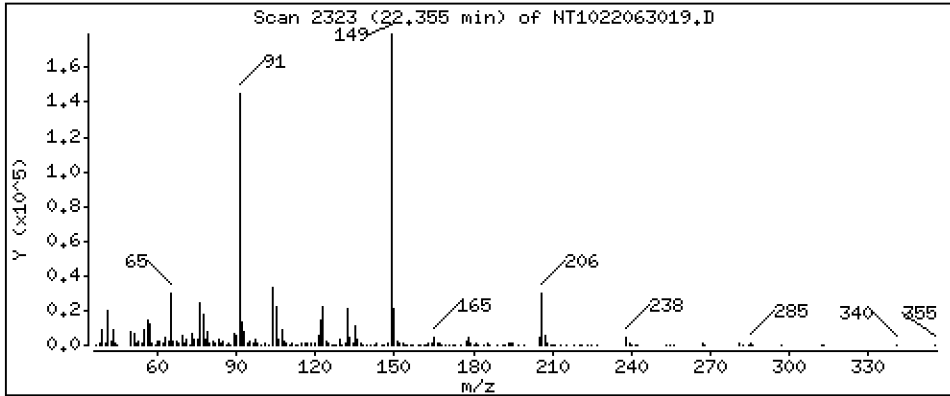
Operator: VTS

Column phase: ZB-5msi

Column diameter: 0,25

67 Butylbenzylphthalate

Concentration: 8,461 ug/mL



Date : 01-JUL-2022 01:13

Client ID:

Instrument: nt10.i

Sample Info: SKG0010-CCV1

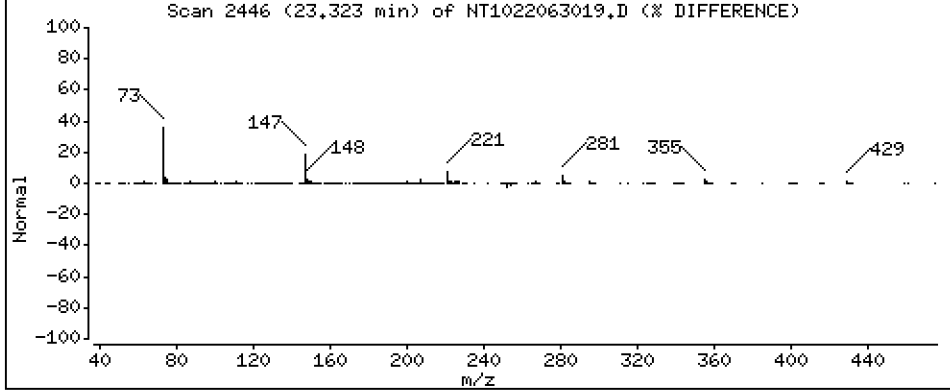
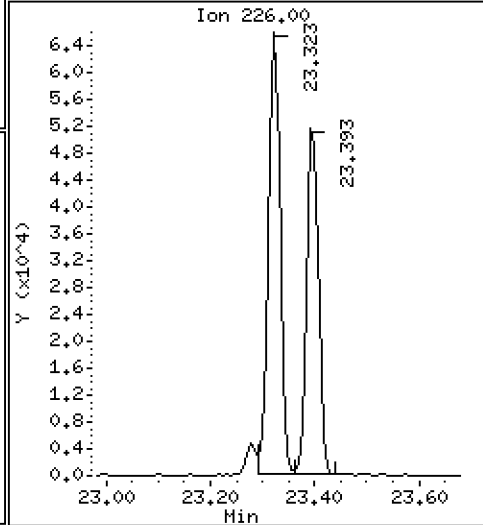
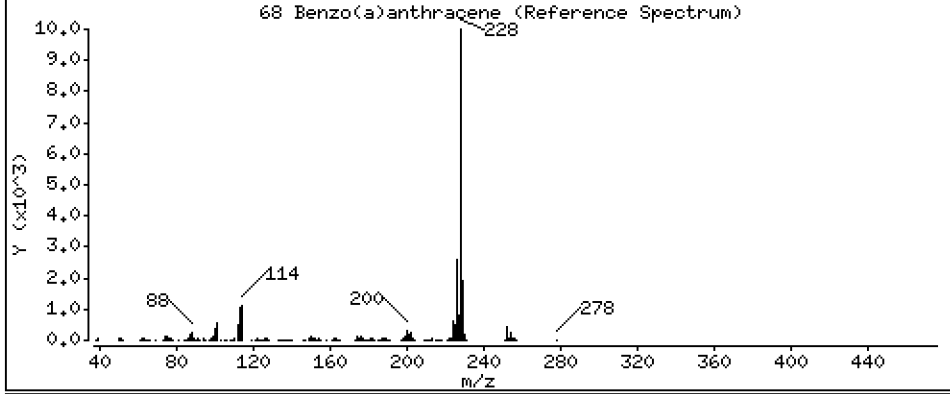
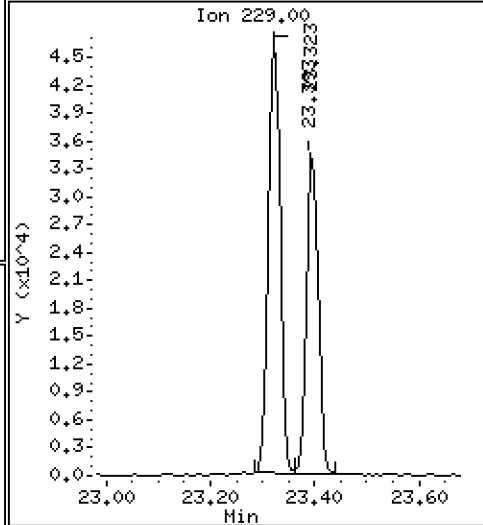
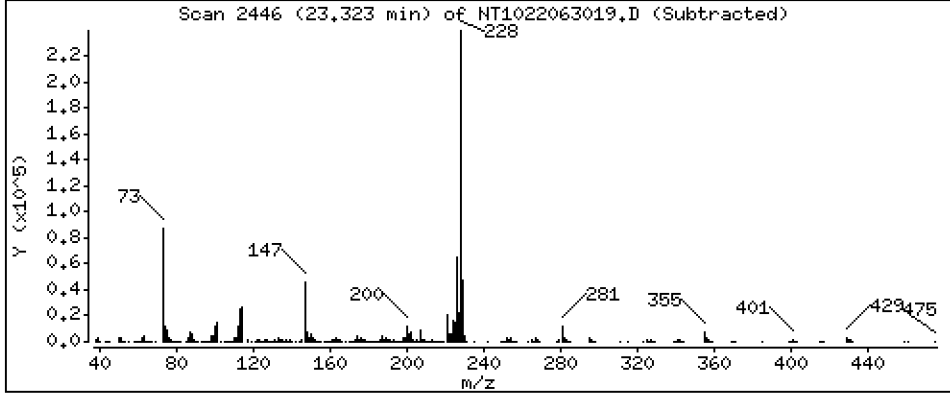
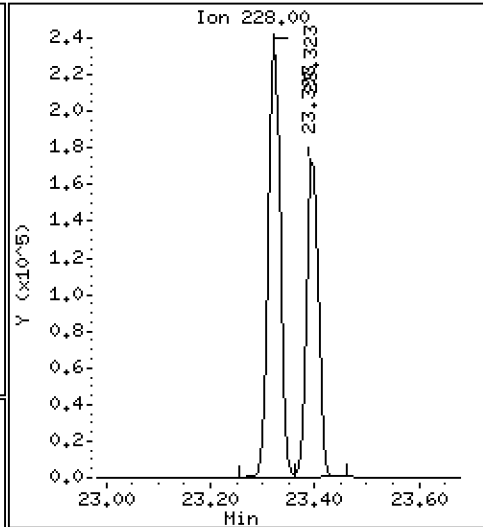
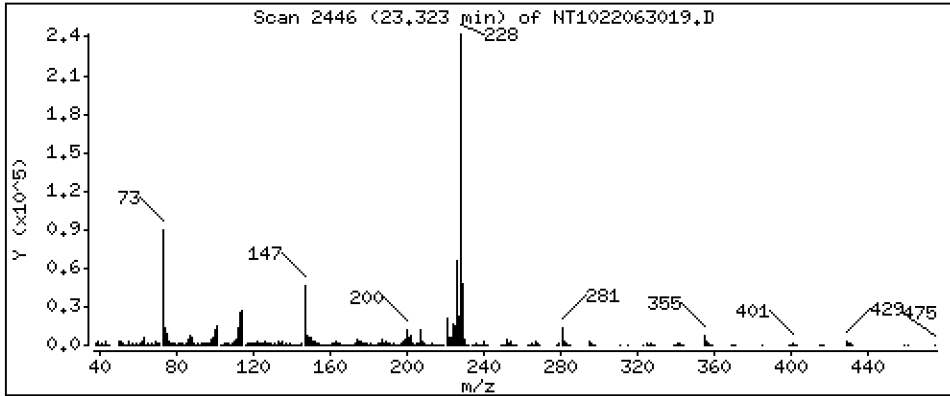
Operator: VTS

Column phase: ZB-5msi

Column diameter: 0,25

68 Benzo(a)anthracene

Concentration: 5,459 ug/mL



Date : 01-JUL-2022 01:13

Client ID:

Instrument: nt10.i

Sample Info: SKG0010-CCV1

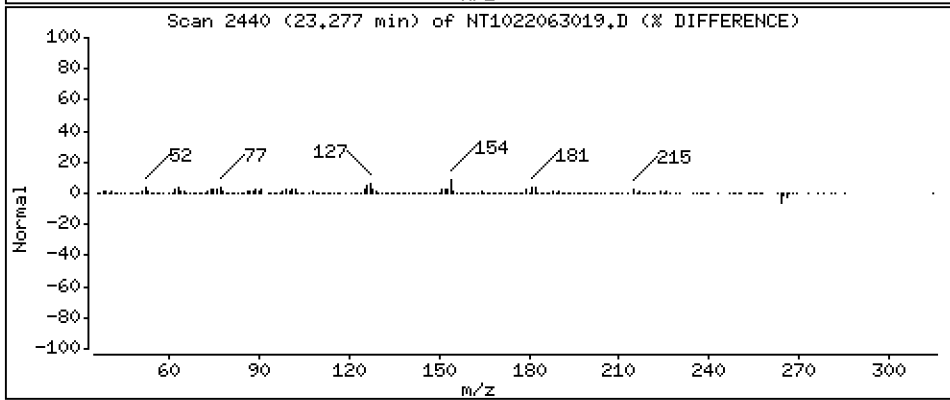
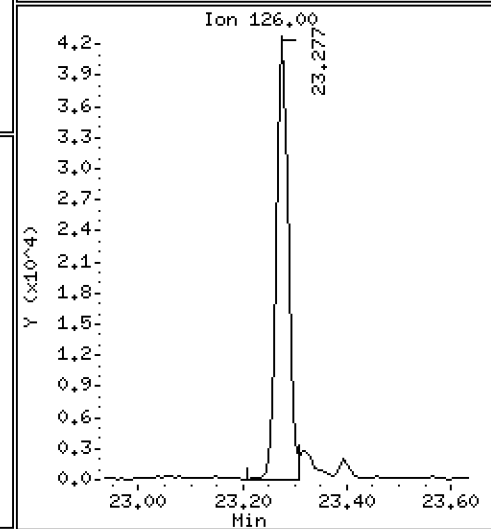
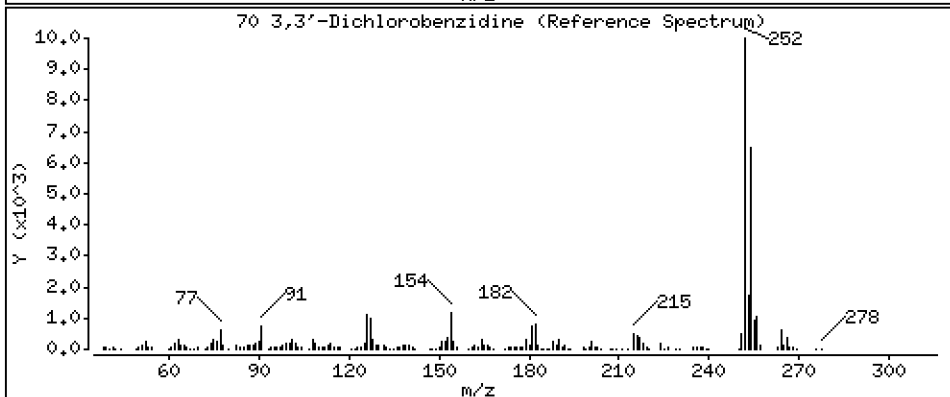
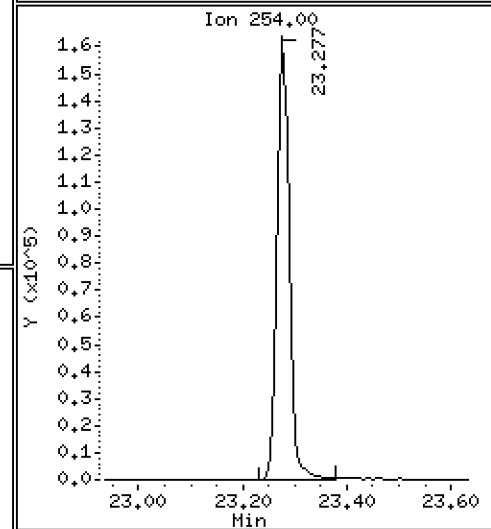
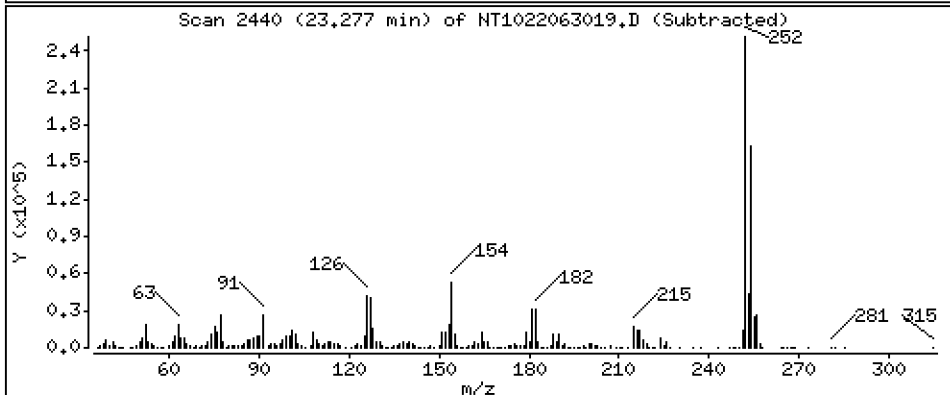
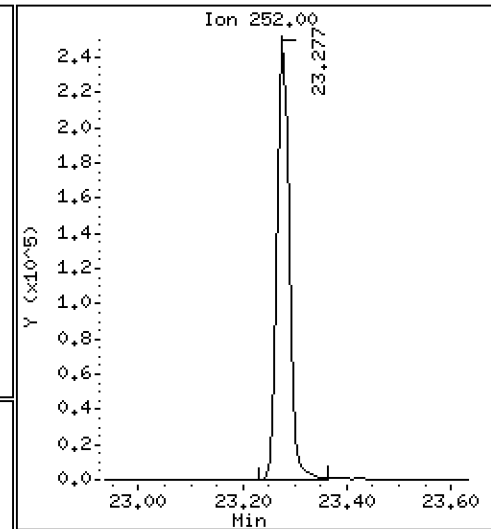
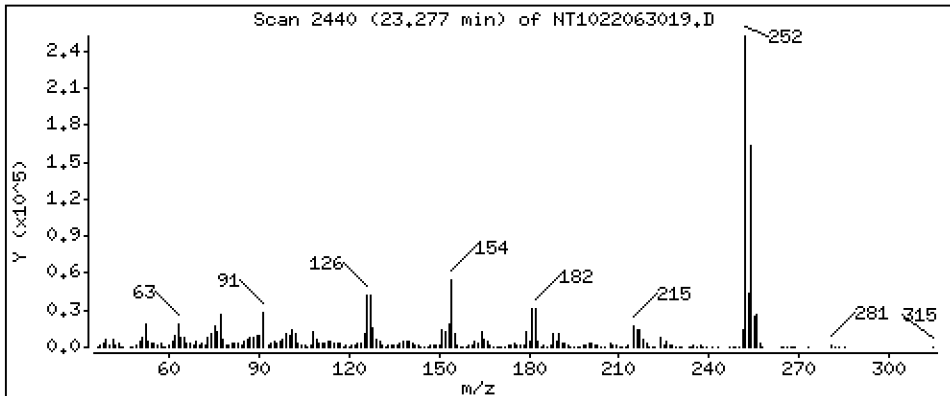
Operator: VTS

Column phase: ZB-5msi

Column diameter: 0,25

70 3,3'-Dichlorobenzidine

Concentration: 18,05 ug/mL



Date : 01-JUL-2022 01:13

Client ID:

Instrument: nt10.i

Sample Info: SKG0010-CCV1

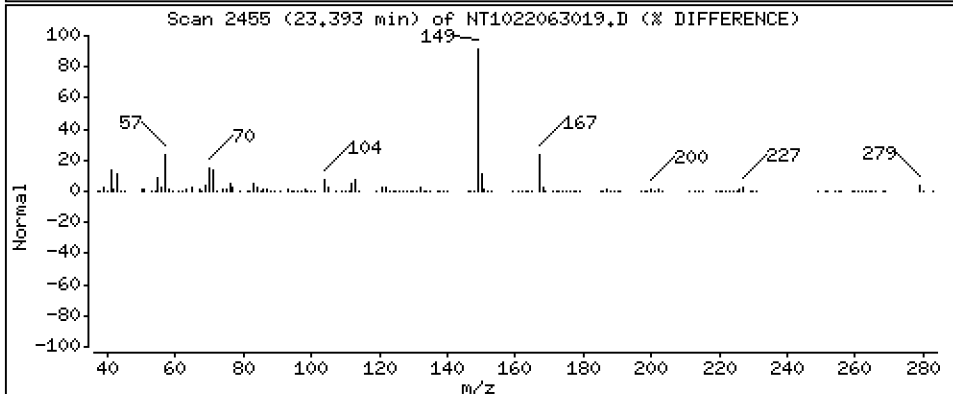
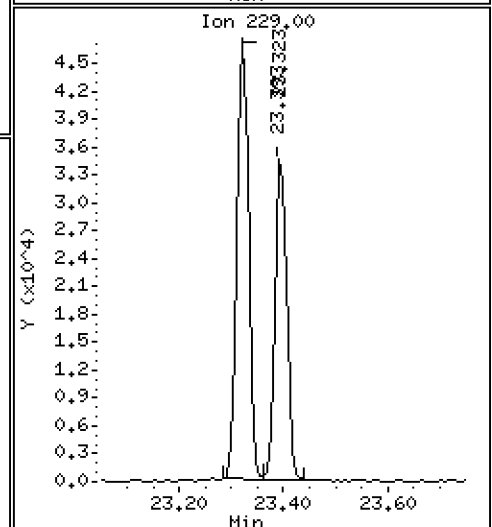
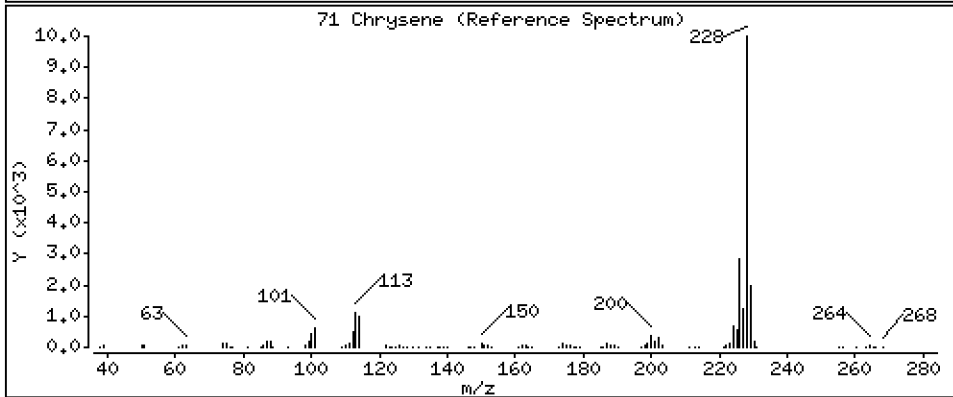
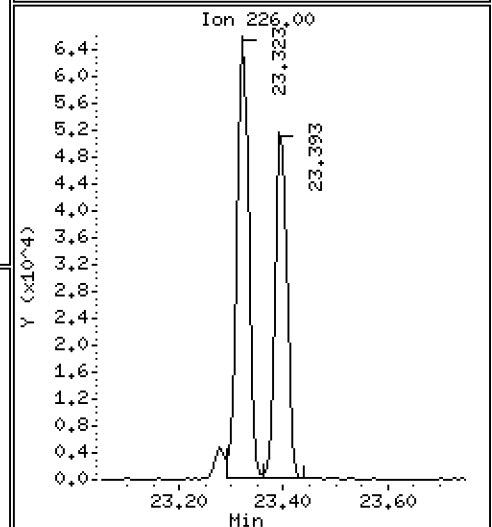
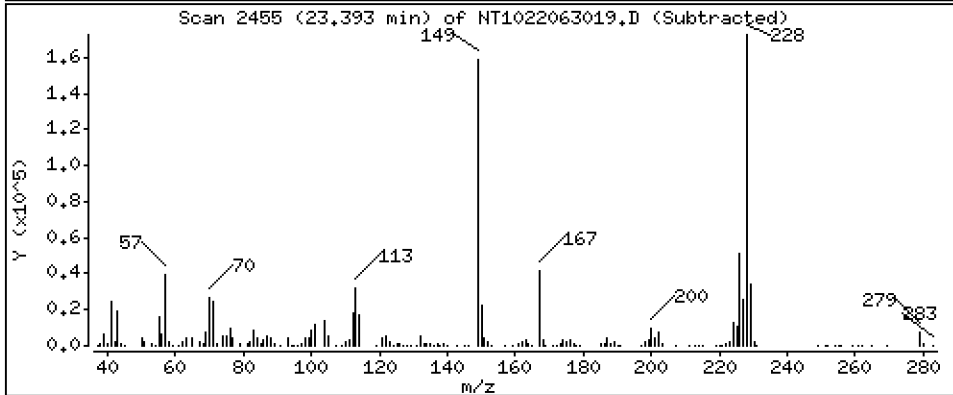
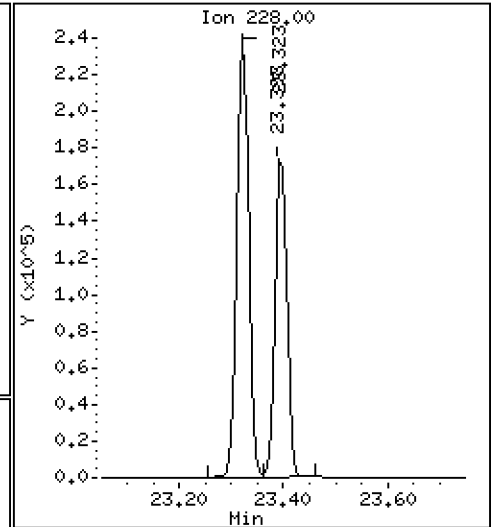
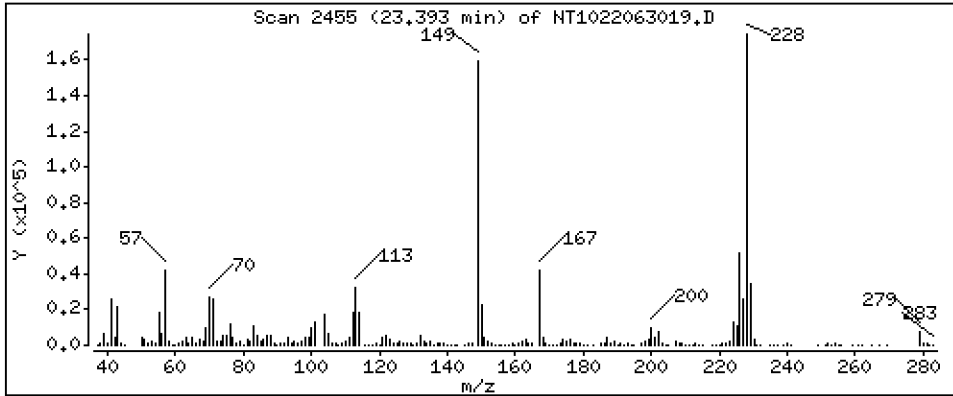
Operator: VTS

Column phase: ZB-5msi

Column diameter: 0,25

71 Chrysene

Concentration: 5,694 ug/mL



Date : 01-JUL-2022 01:13

Client ID:

Instrument: nt10.i

Sample Info: SKG0010-CCV1

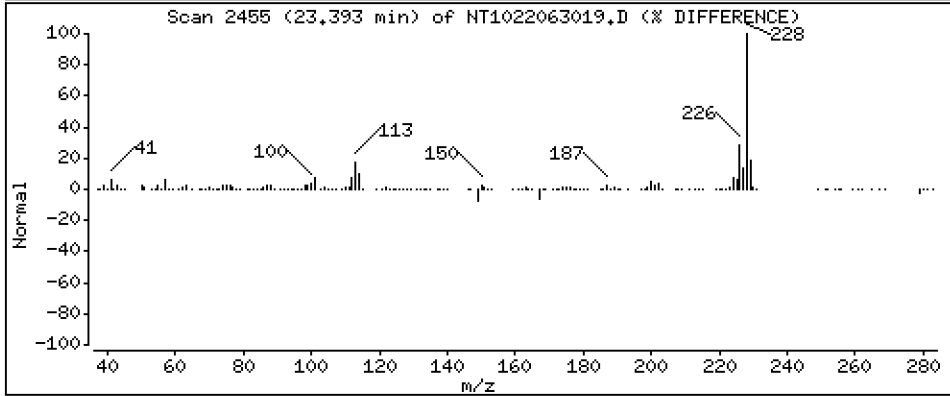
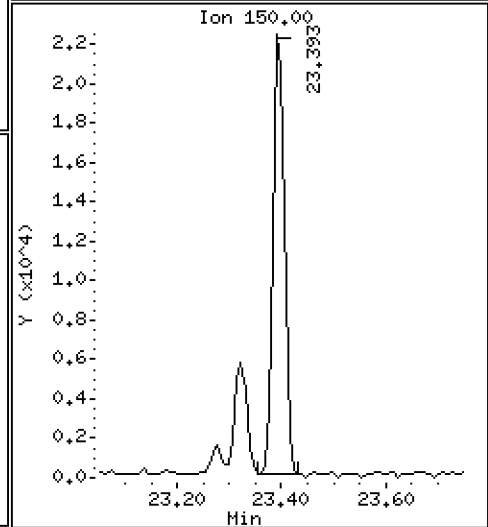
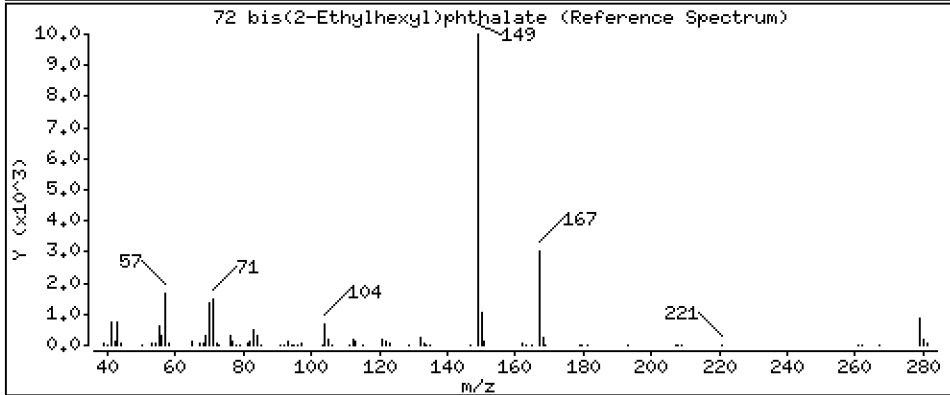
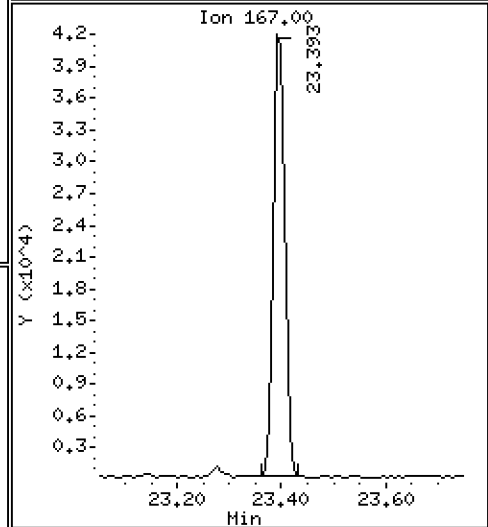
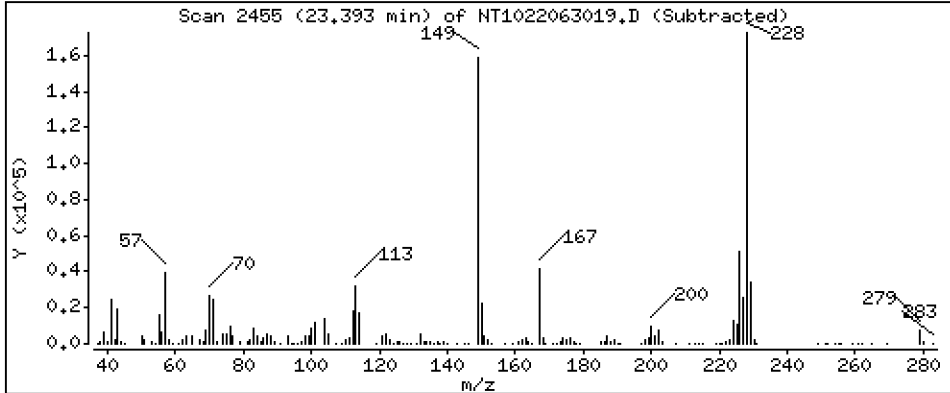
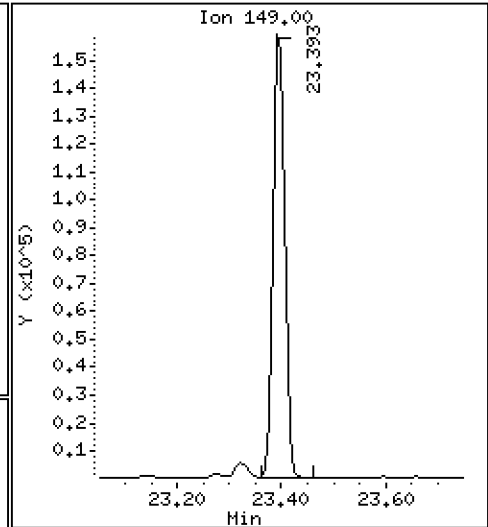
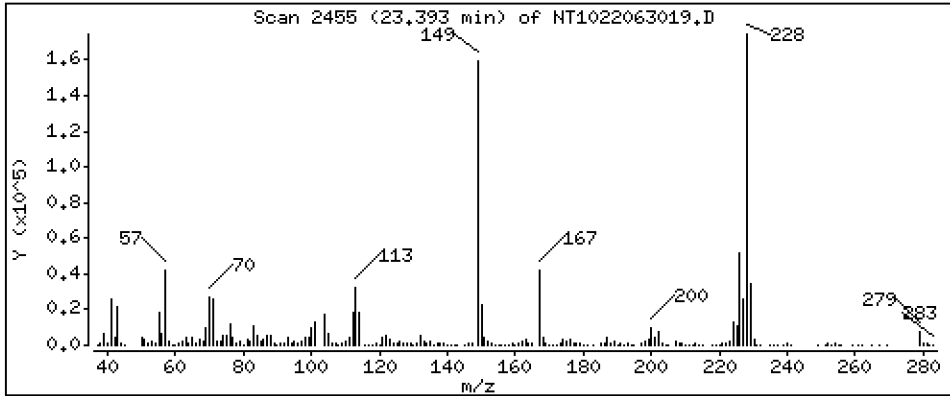
Operator: VTS

Column phase: ZB-5msi

Column diameter: 0,25

72 bis(2-Ethylhexyl)phthalate

Concentration: 6,278 ug/mL



Date : 01-JUL-2022 01:13

Client ID:

Instrument: nt10.i

Sample Info: SKG0010-CCV1

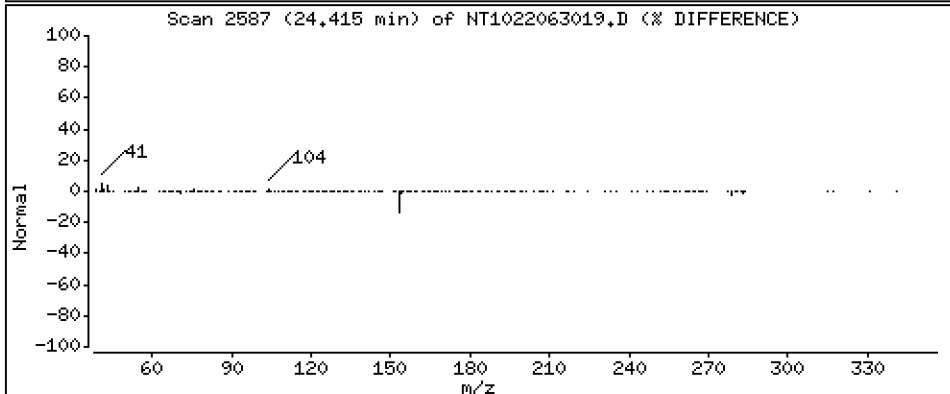
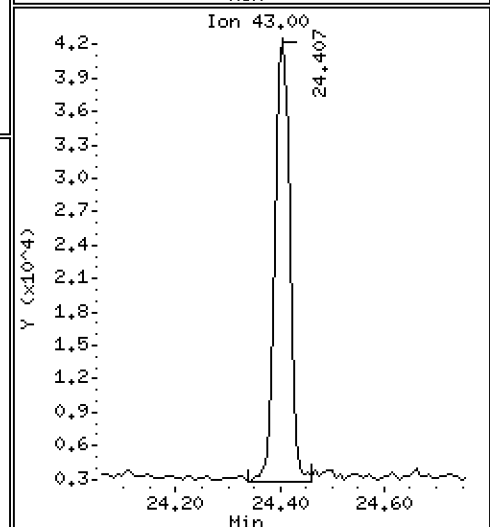
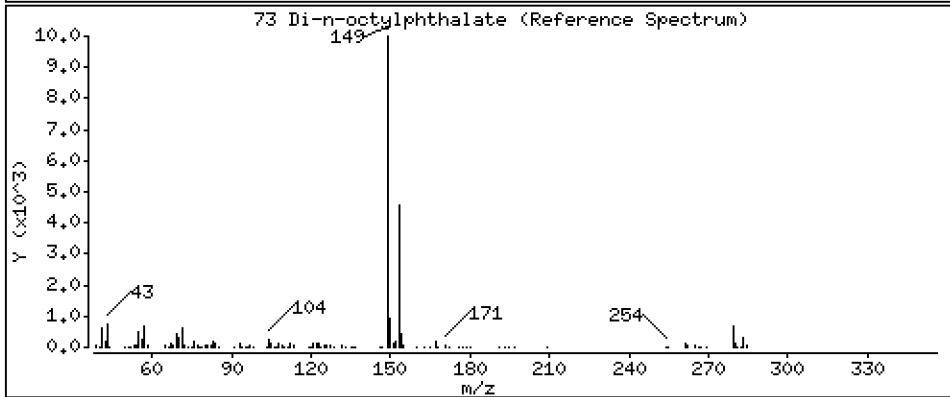
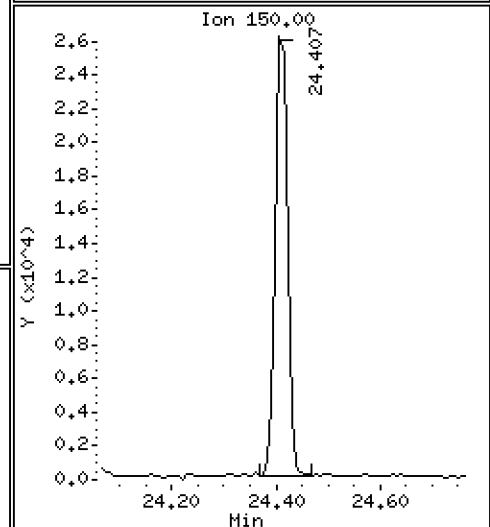
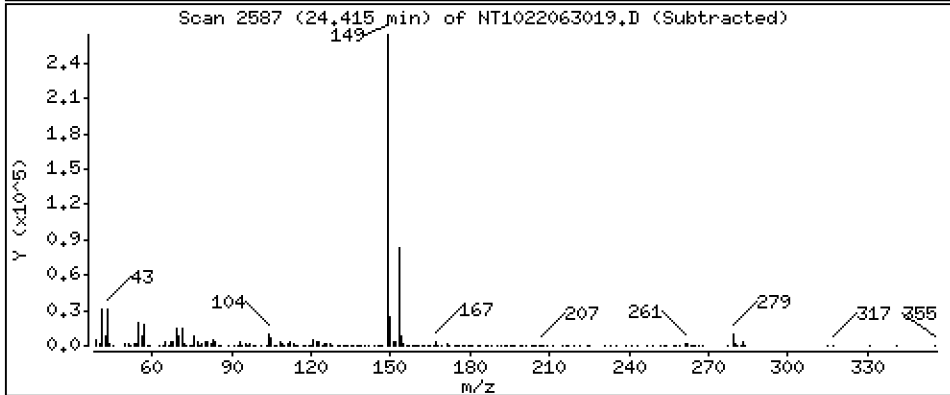
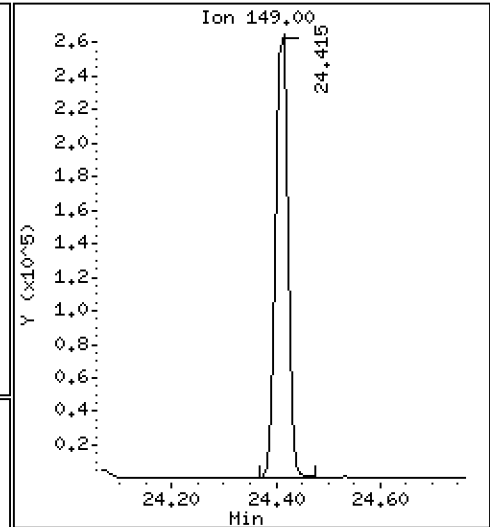
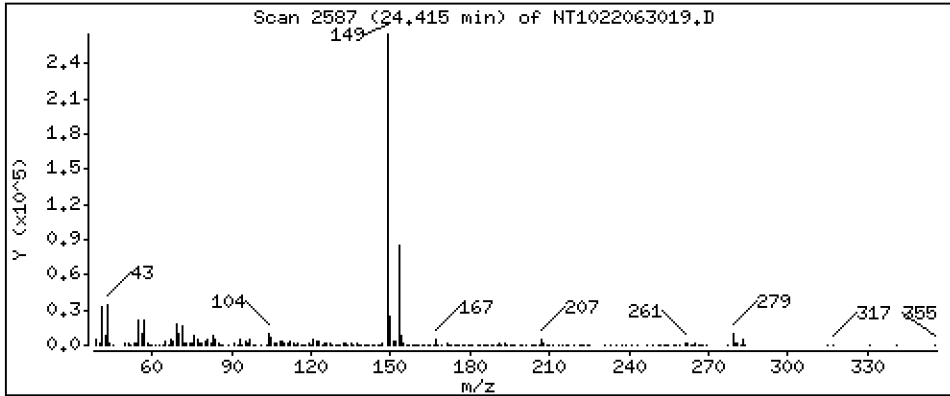
Operator: VTS

Column phase: ZB-5msi

Column diameter: 0,25

73 Di-n-octylphthalate

Concentration: 5,264 ug/mL



Date : 01-JUL-2022 01:13

Client ID:

Instrument: nt10.i

Sample Info: SKG0010-CCV1

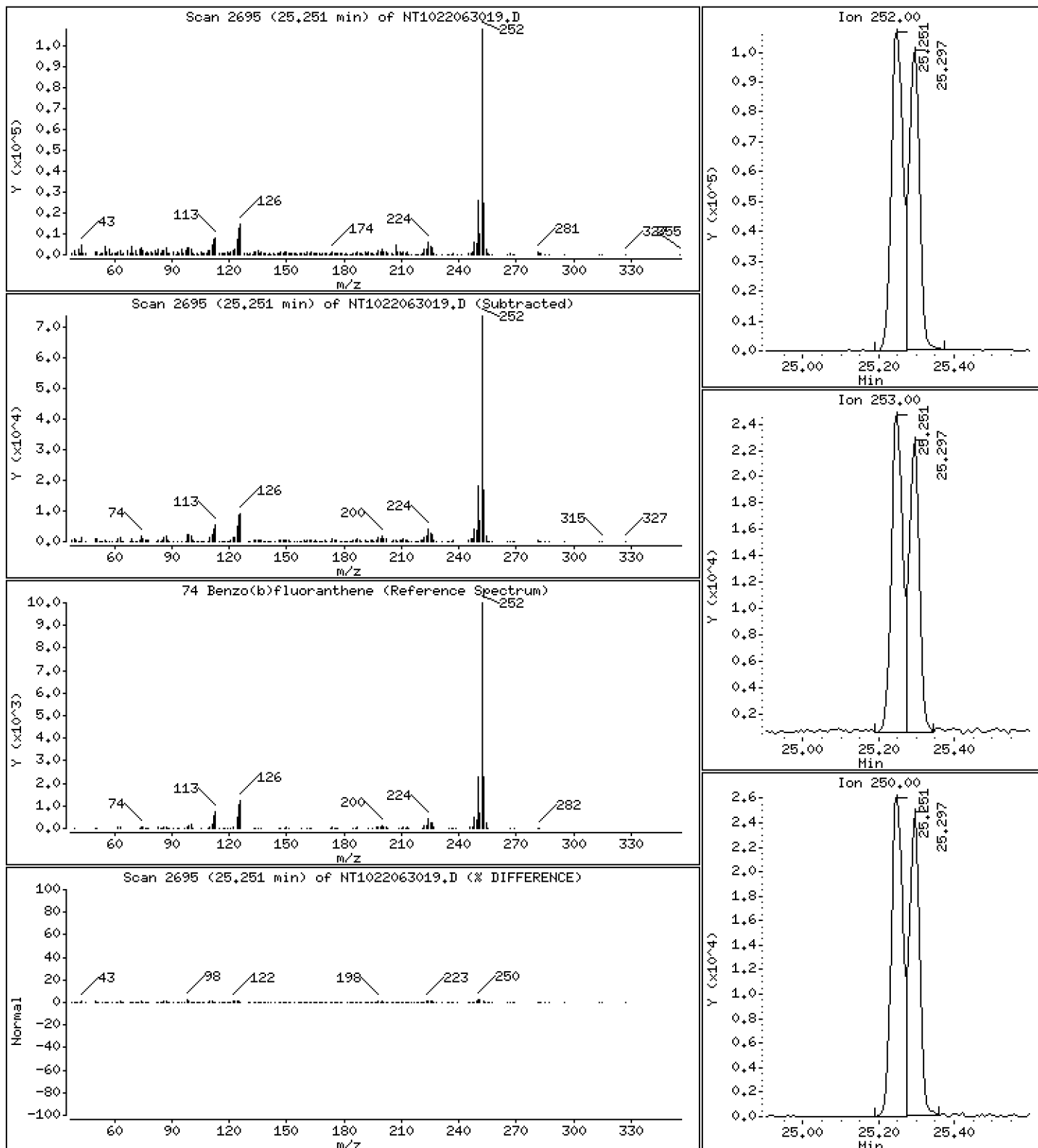
Operator: VTS

Column phase: ZB-5msi

Column diameter: 0,25

74 Benzo(b)fluoranthene

Concentration: 4,702 ug/mL



Date : 01-JUL-2022 01:13

Client ID:

Instrument: nt10.i

Sample Info: SKG0010-CCV1

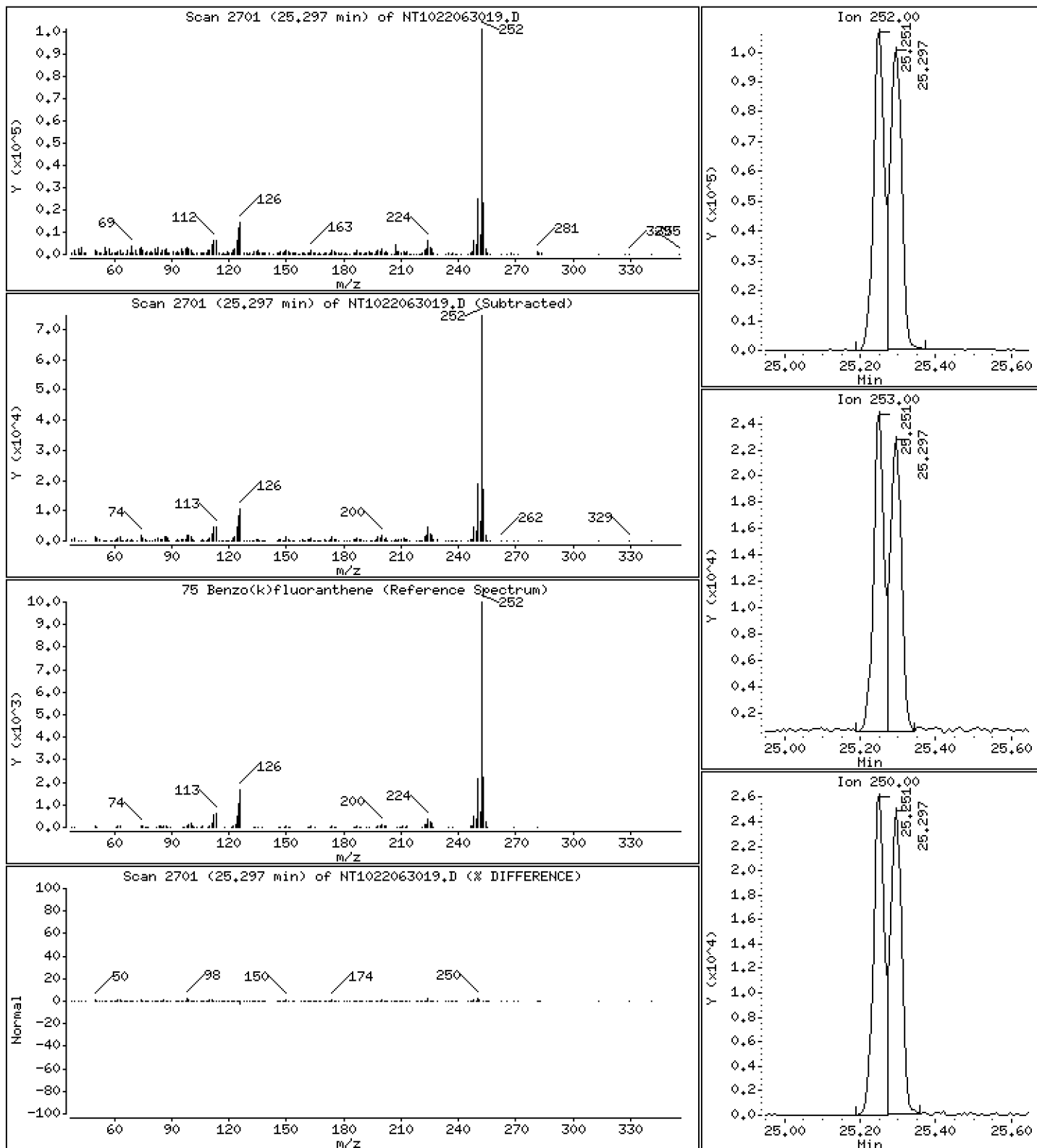
Operator: VTS

Column phase: ZB-5msi

Column diameter: 0,25

75 Benzo(k)fluoranthene

Concentration: 4,468 ug/mL



Date : 01-JUL-2022 01:13

Client ID:

Instrument: nt10.i

Sample Info: SKG0010-CCV1

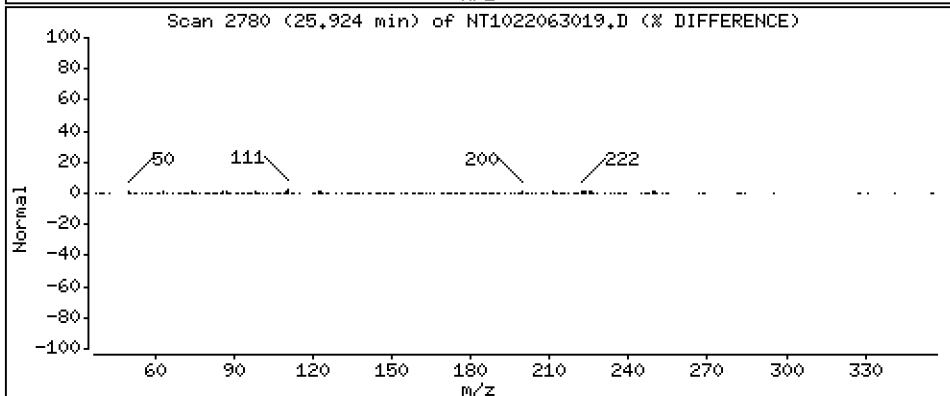
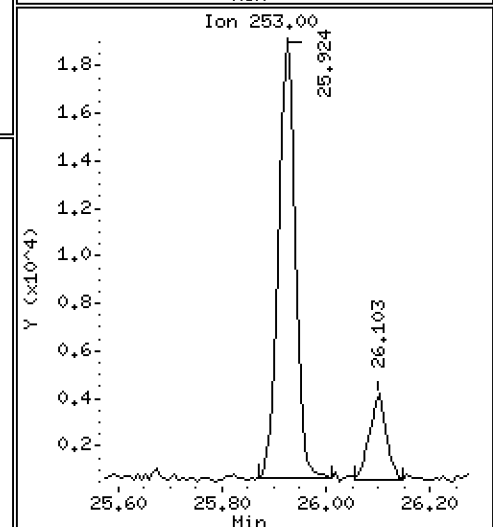
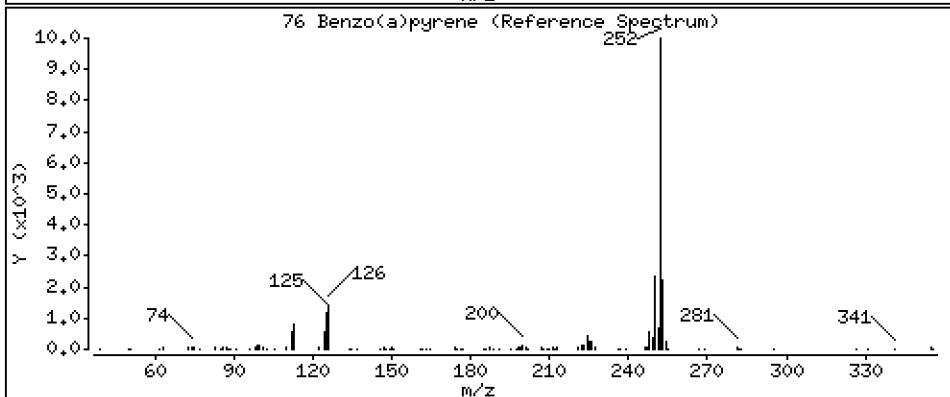
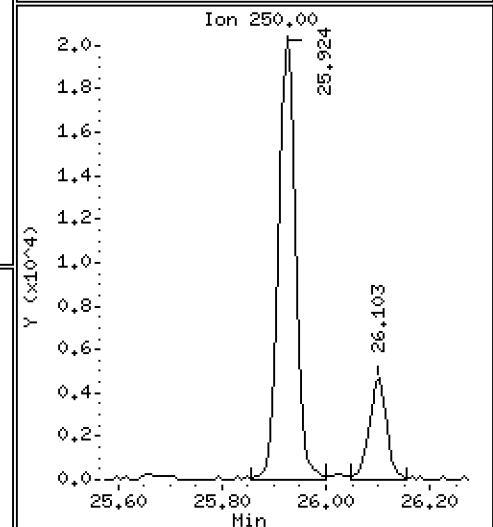
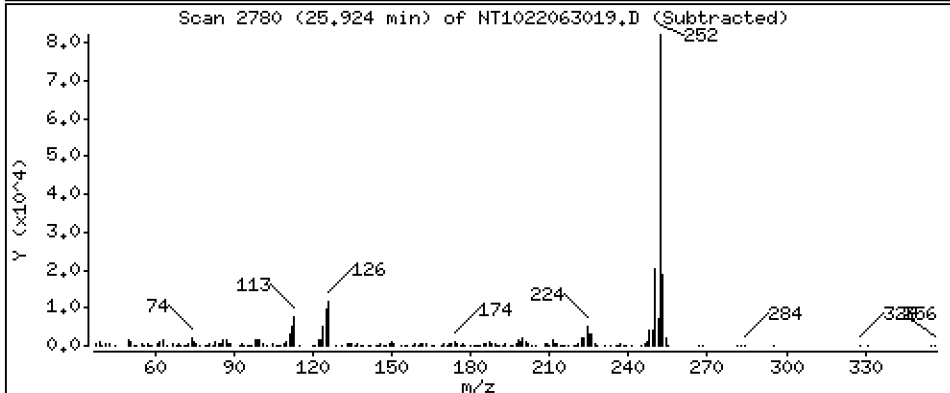
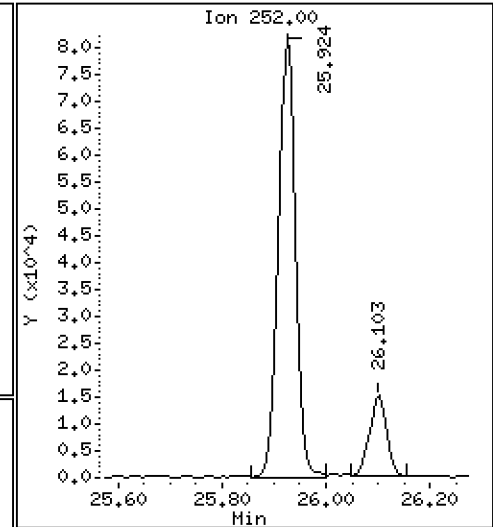
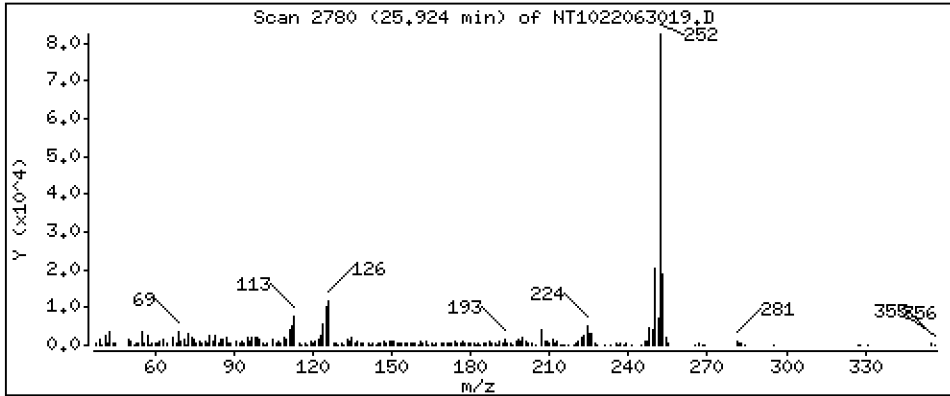
Operator: VTS

Column phase: ZB-5msi

Column diameter: 0,25

76 Benzo(a)pyrene

Concentration: 4,472 ug/mL



Date : 01-JUL-2022 01:13

Client ID:

Instrument: nt10.i

Sample Info: SKG0010-CCV1

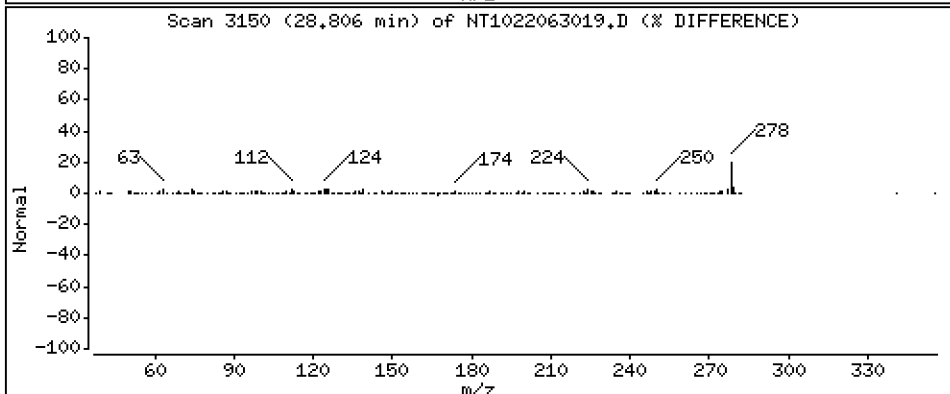
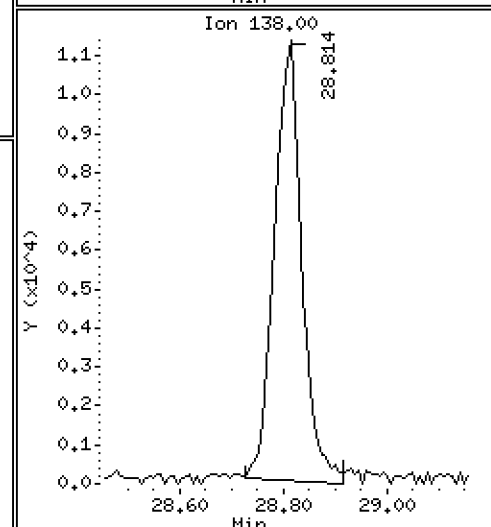
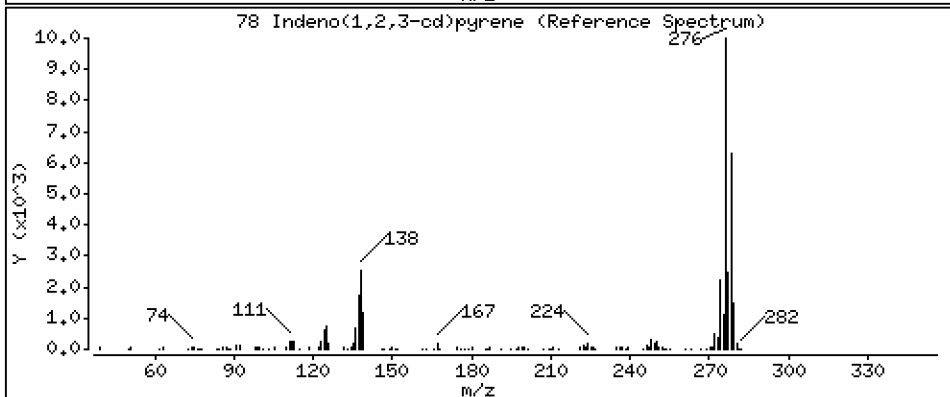
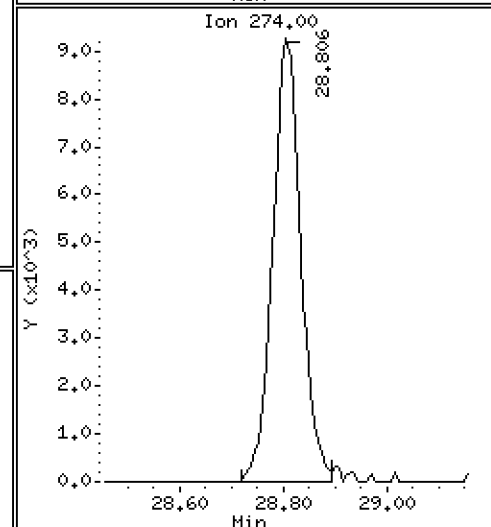
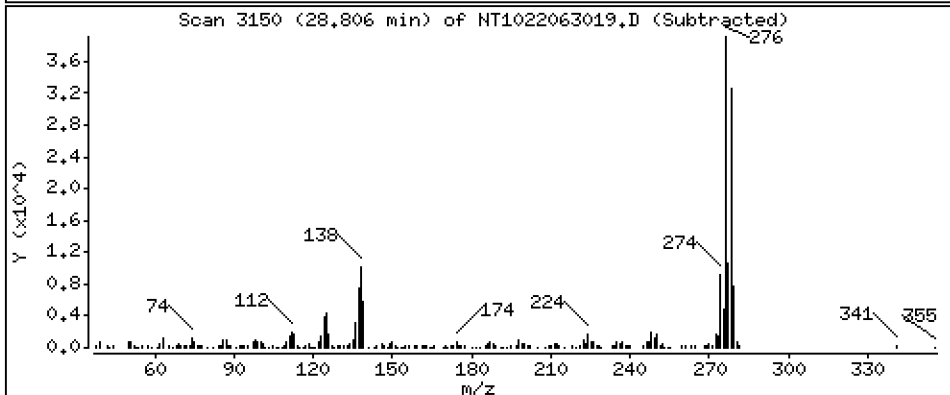
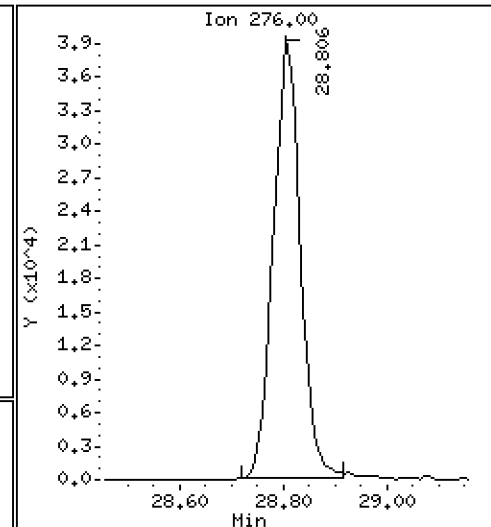
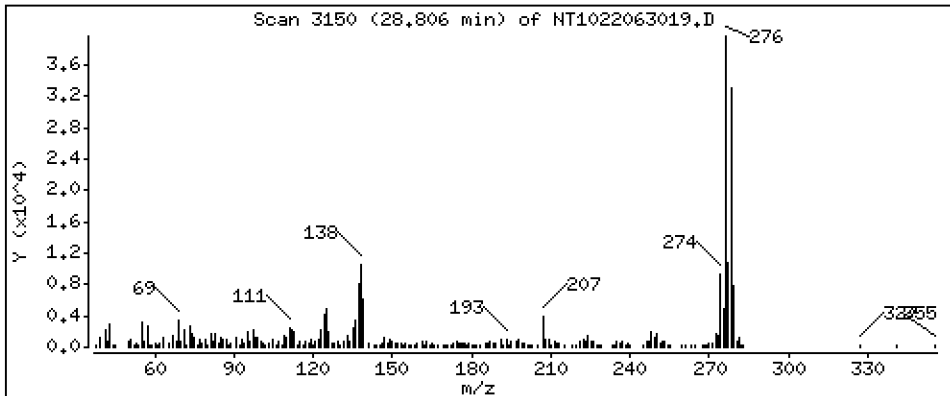
Operator: VTS

Column phase: ZB-5msi

Column diameter: 0,25

78 Indeno(1,2,3-cd)pyrene

Concentration: 3,249 ug/mL



Date : 01-JUL-2022 01:13

Client ID:

Instrument: nt10.i

Sample Info: SKG0010-CCV1

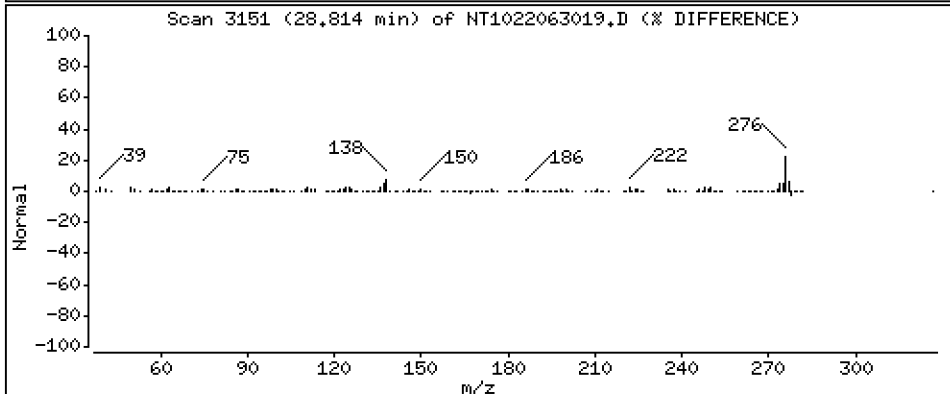
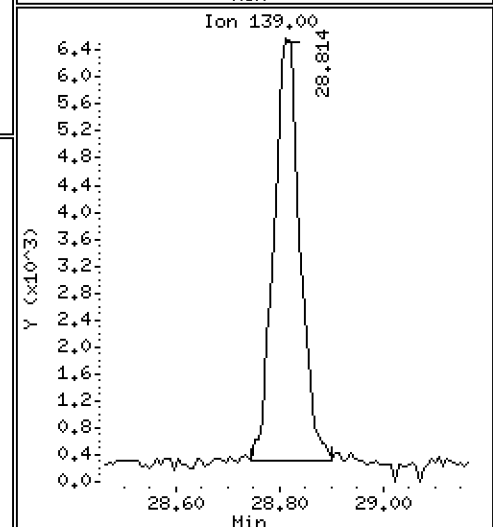
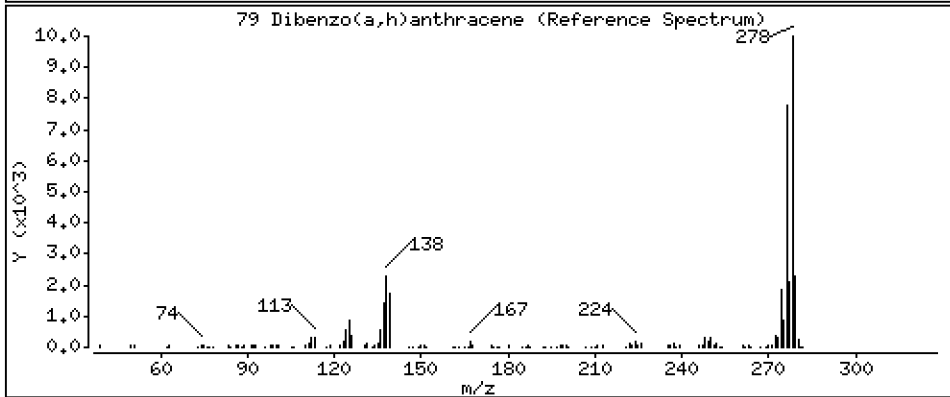
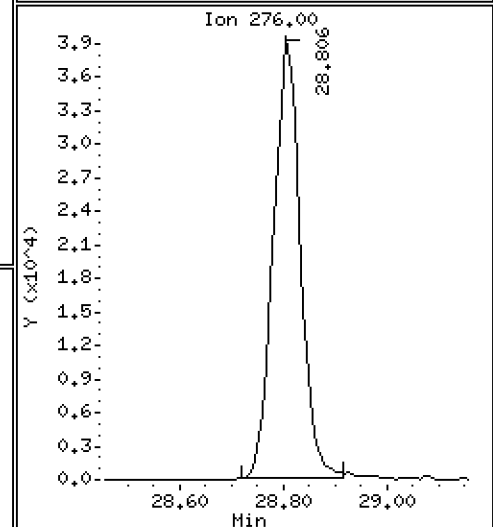
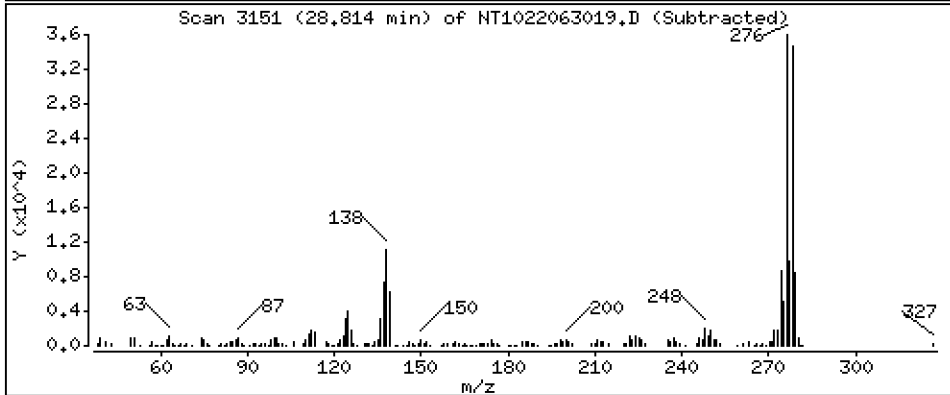
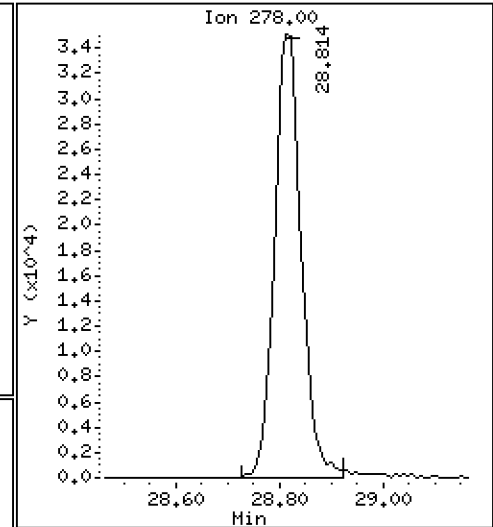
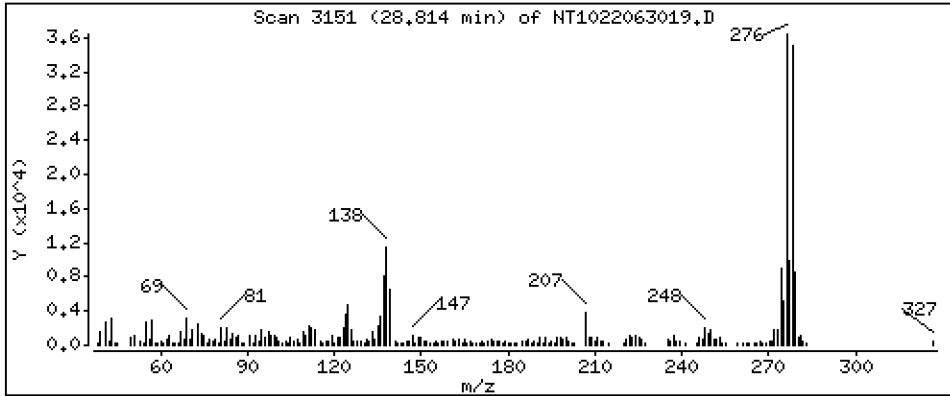
Operator: VTS

Column phase: ZB-5msi

Column diameter: 0,25

79 Dibenzo(a,h)anthracene

Concentration: 3,777 ug/mL



Date : 01-JUL-2022 01:13

Client ID:

Instrument: nt10.i

Sample Info: SKG0010-CCV1

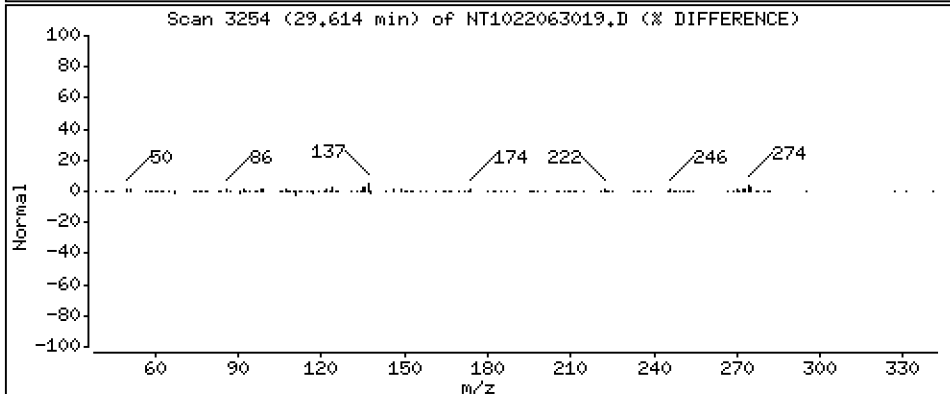
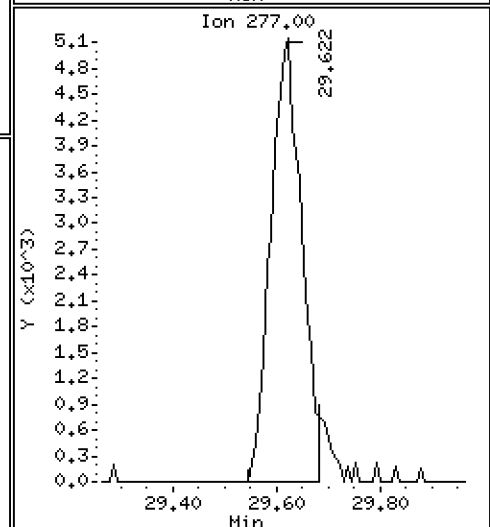
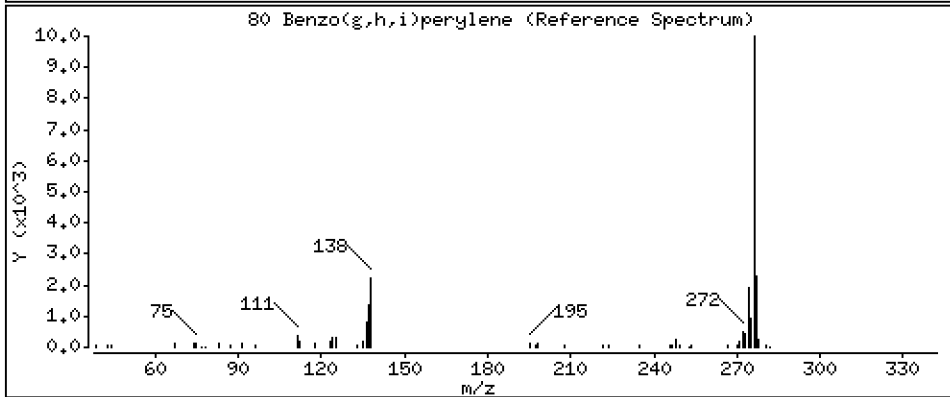
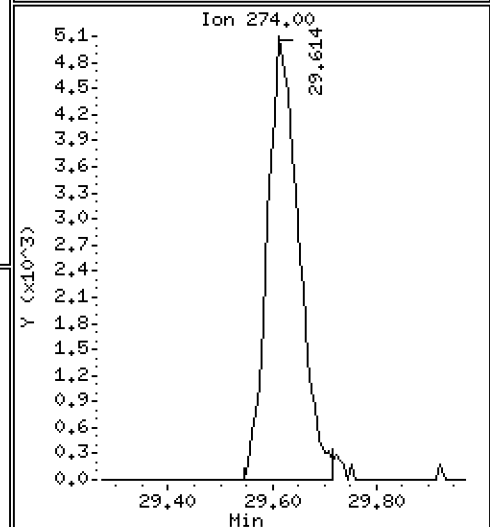
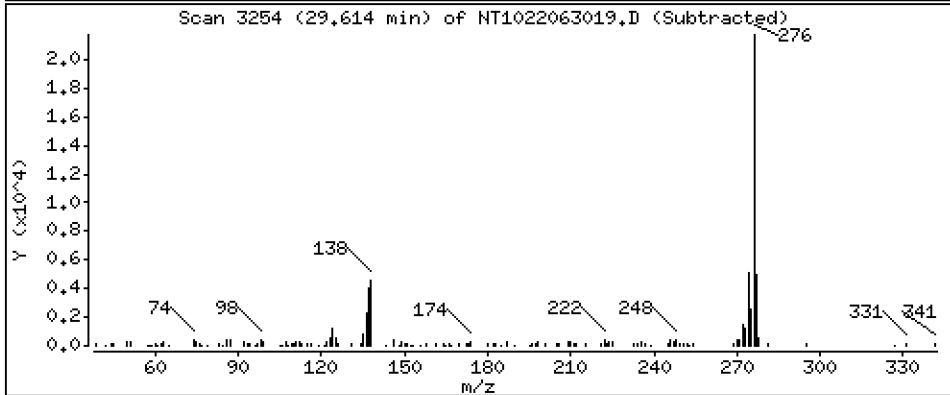
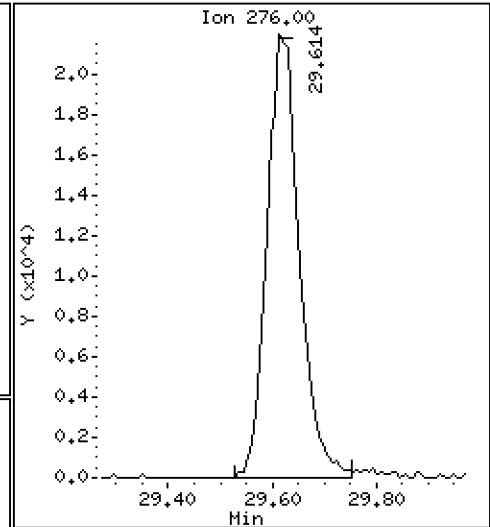
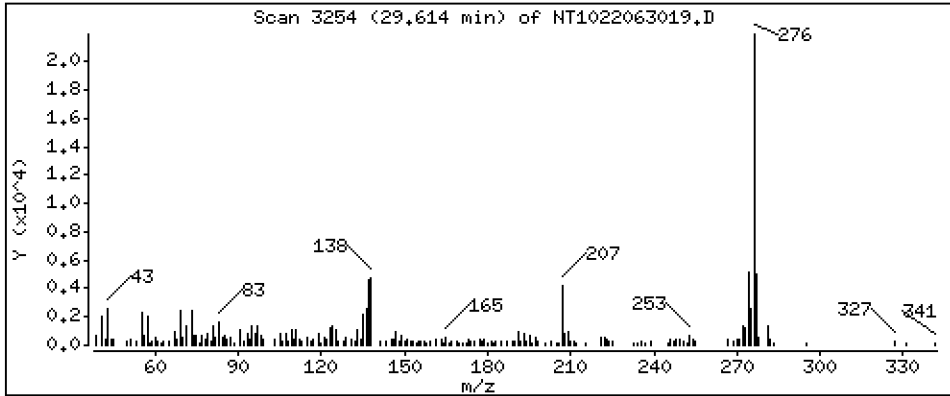
Operator: VTS

Column phase: ZB-5msi

Column diameter: 0,25

80 Benzo(g,h,i)perylene

Concentration: 2,764 ug/mL



Date : 01-JUL-2022 01:13

Client ID:

Instrument: nt10.i

Sample Info: SKG0010-CCV1

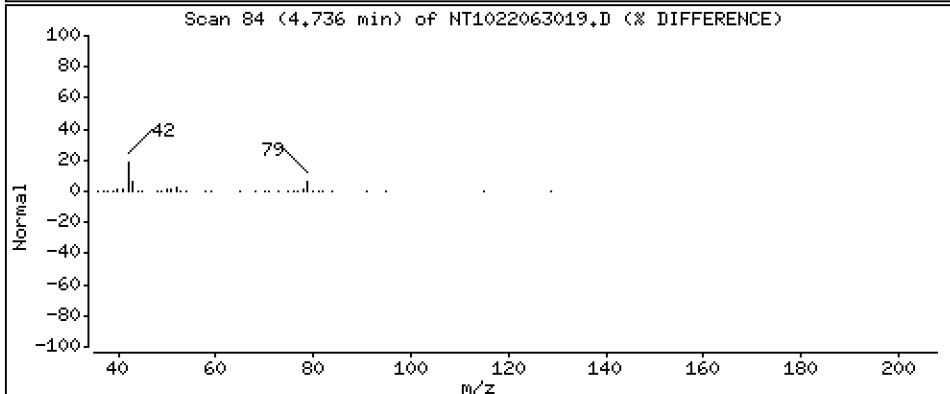
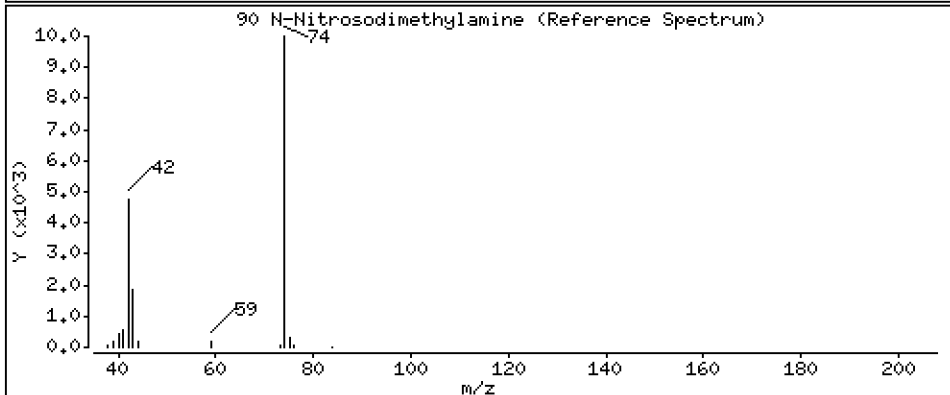
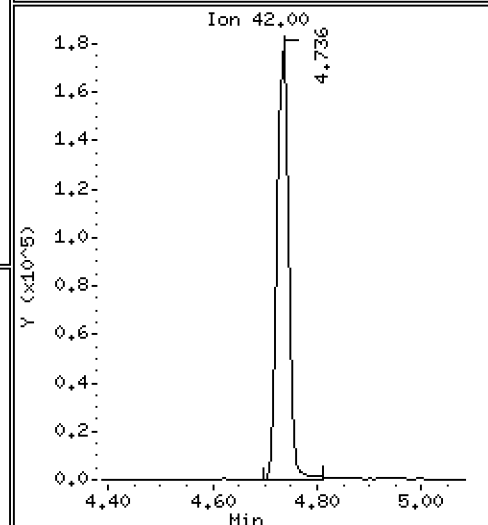
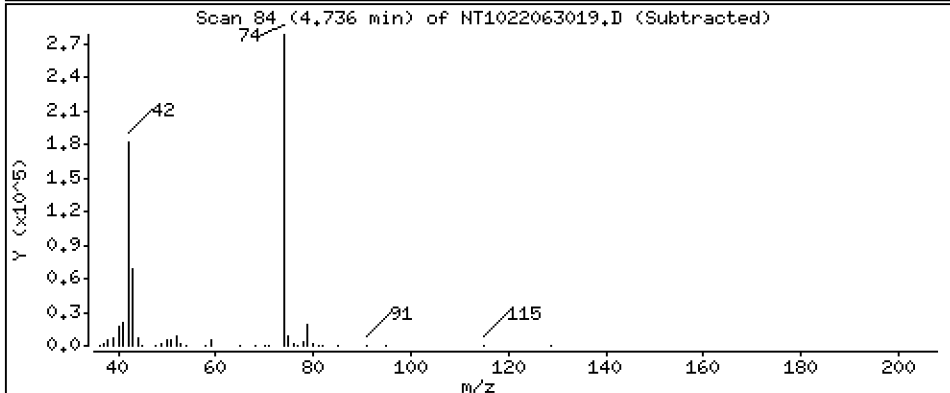
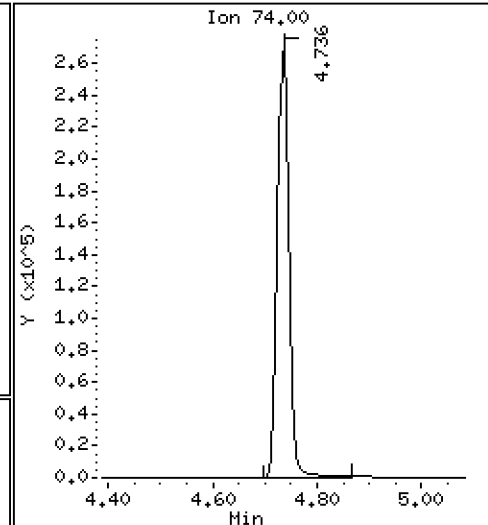
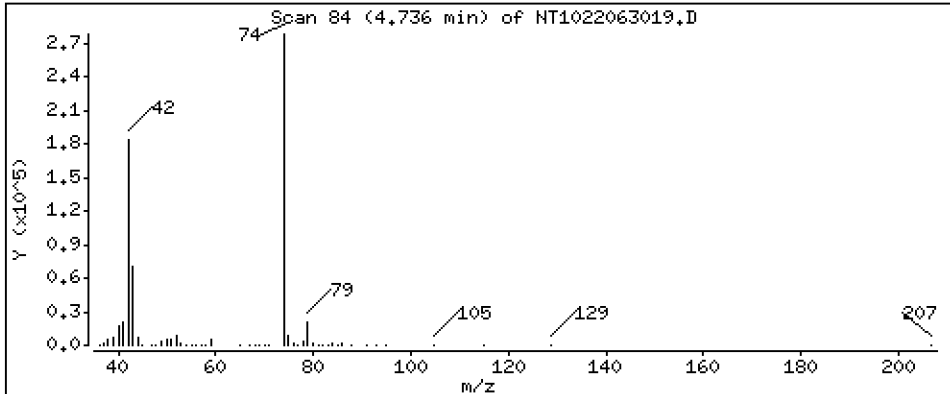
Operator: VTS

Column phase: ZB-5msi

Column diameter: 0.25

90 N-Nitrosodimethylamine

Concentration: 8.750 ug/mL



Date : 01-JUL-2022 01:13

Client ID:

Instrument: nt10.i

Sample Info: SKG0010-CCV1

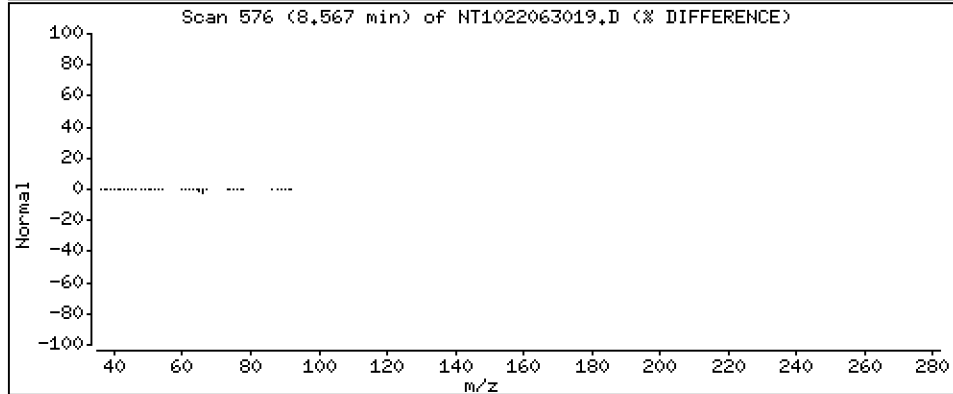
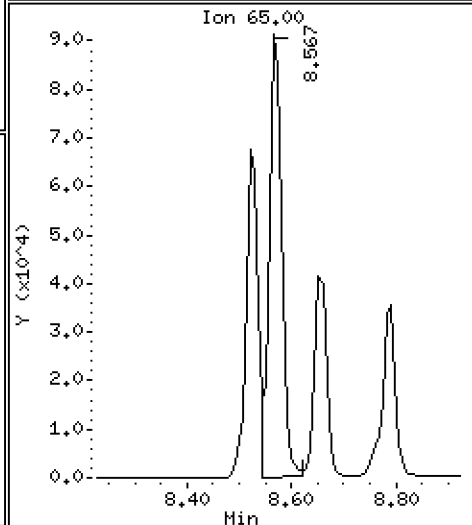
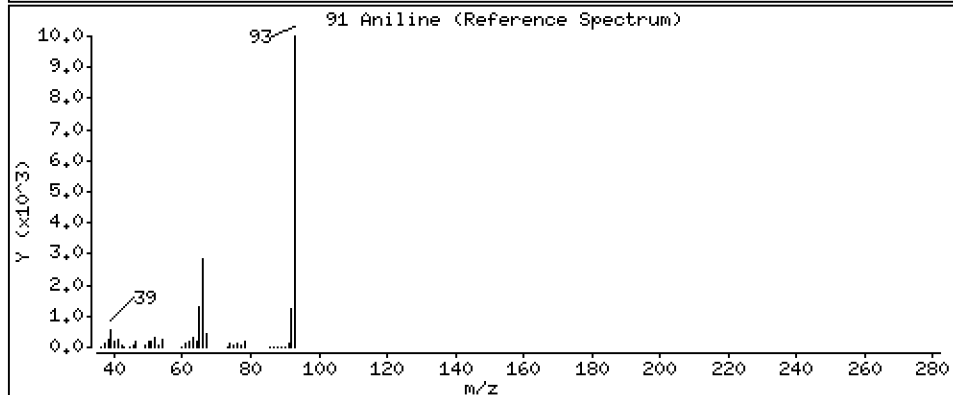
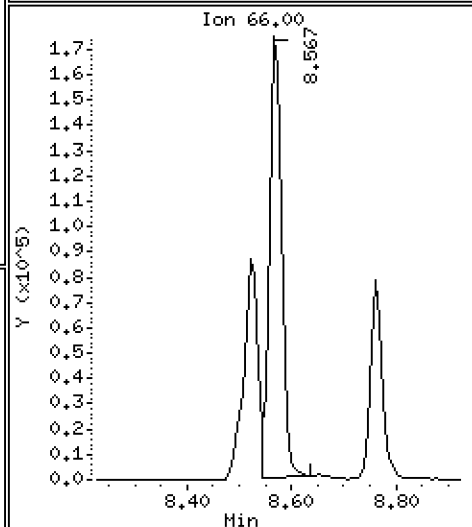
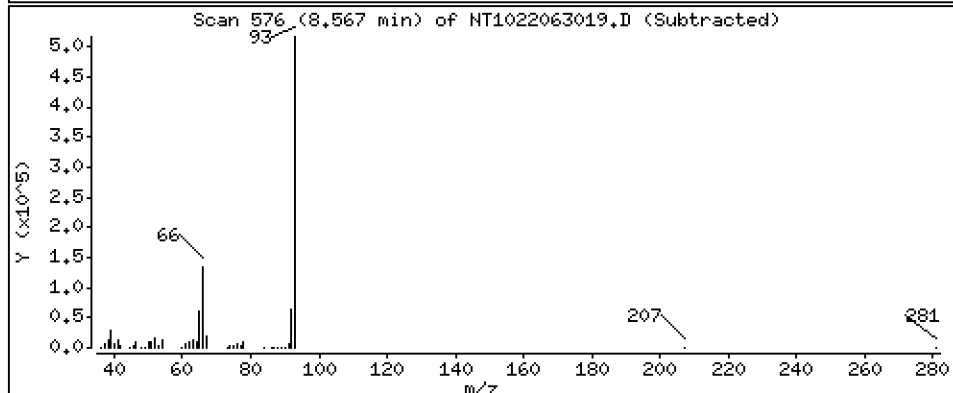
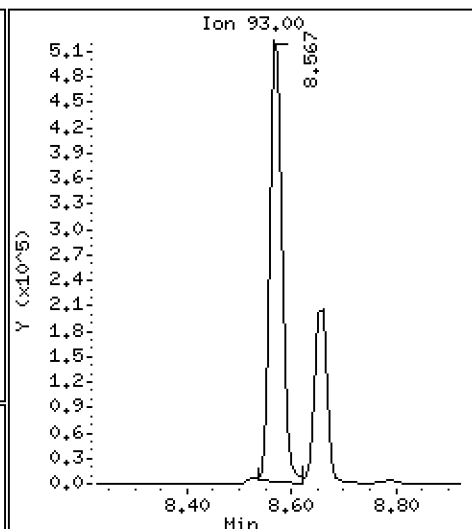
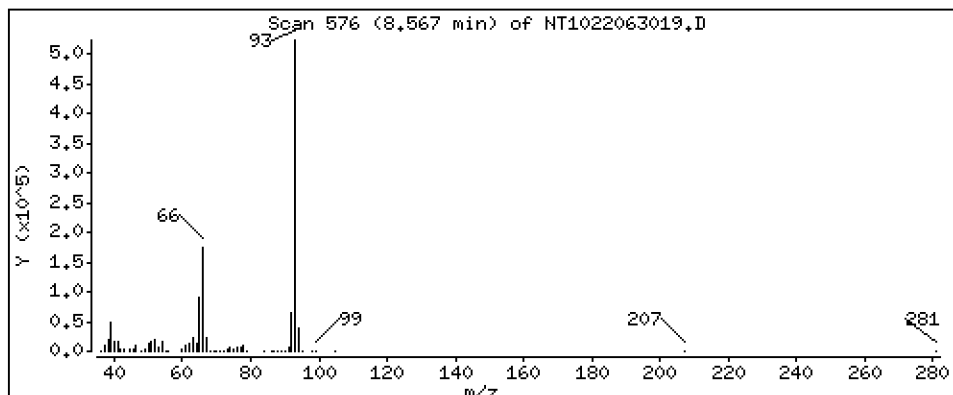
Operator: VTS

Column phase: ZB-5msi

Column diameter: 0.25

91 Aniline

Concentration: 9.097 ug/mL



Date : 01-JUL-2022 01:13

Client ID:

Instrument: nt10.i

Sample Info: SKG0010-CCV1

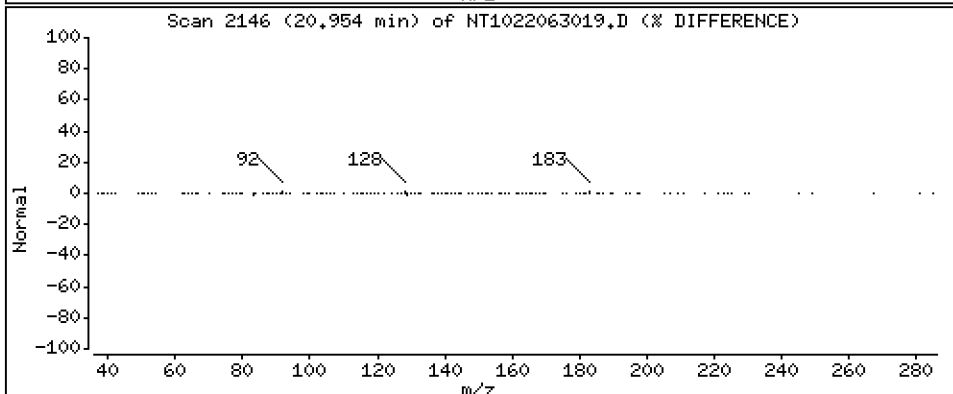
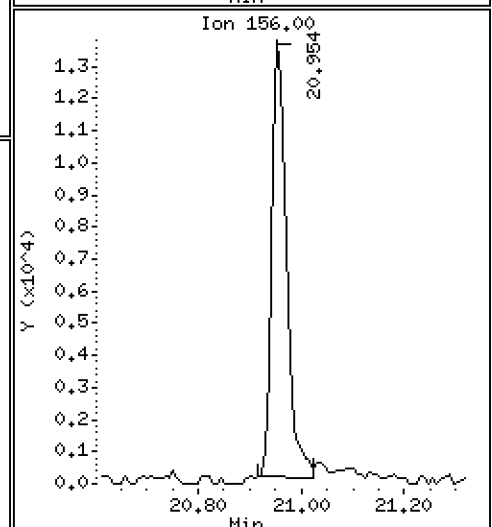
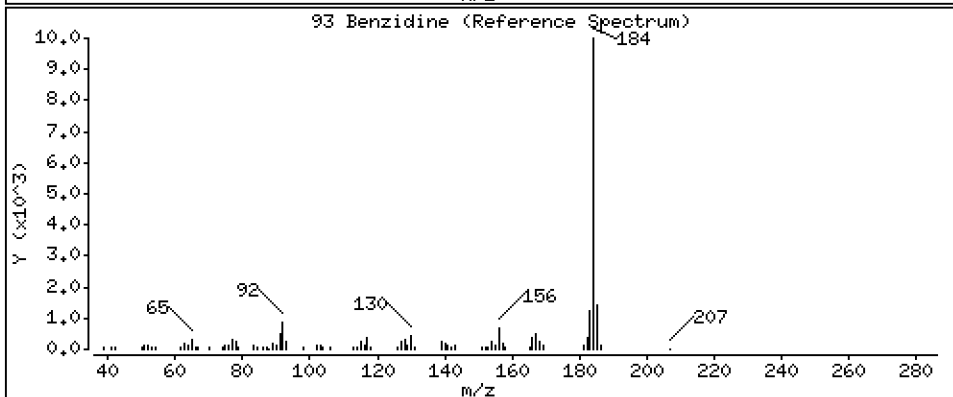
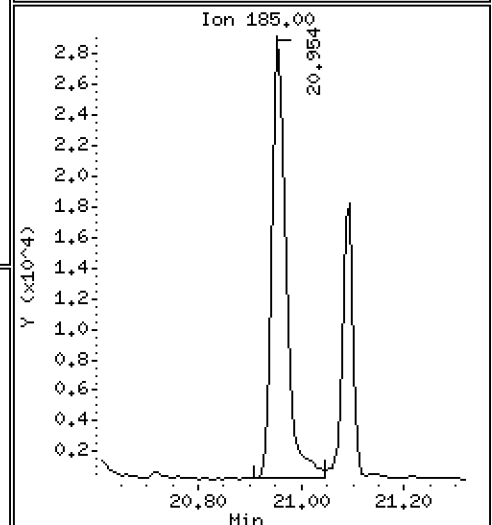
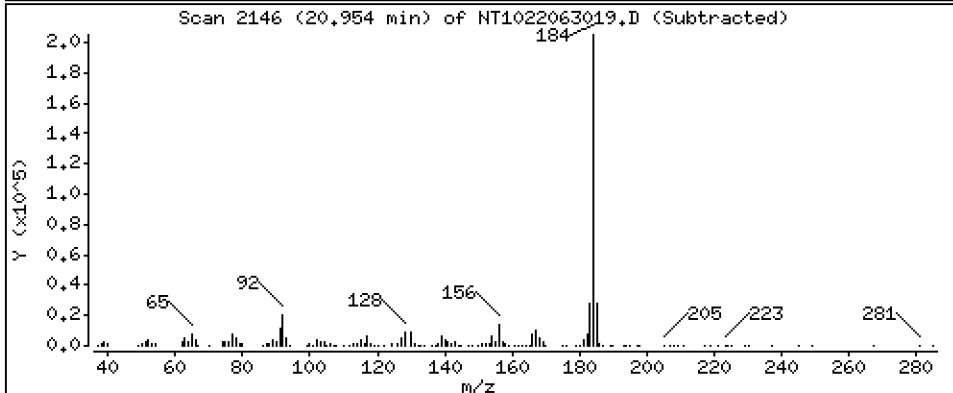
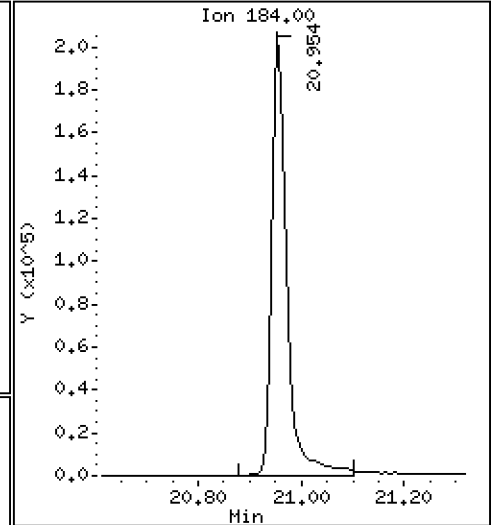
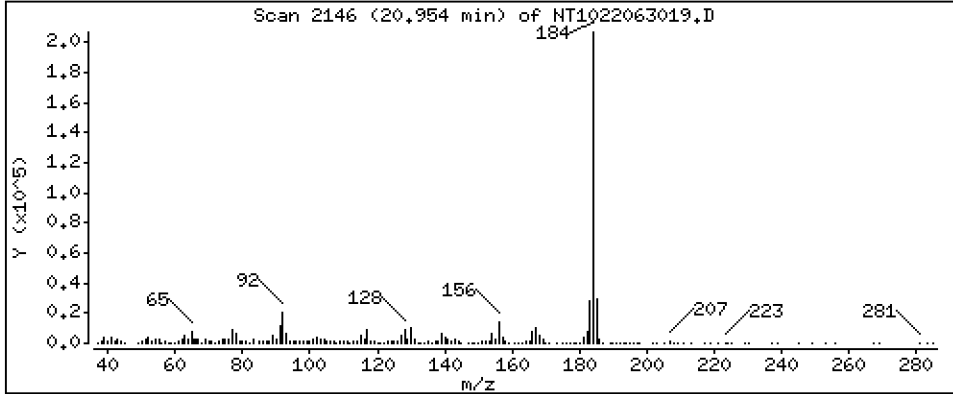
Operator: VTS

Column phase: ZB-5msi

Column diameter: 0,25

Concentration: 17,49 ug/mL

93 Benzidine



Date : 01-JUL-2022 01:13

Client ID:

Instrument: nt10.i

Sample Info: SKG0010-CCV1

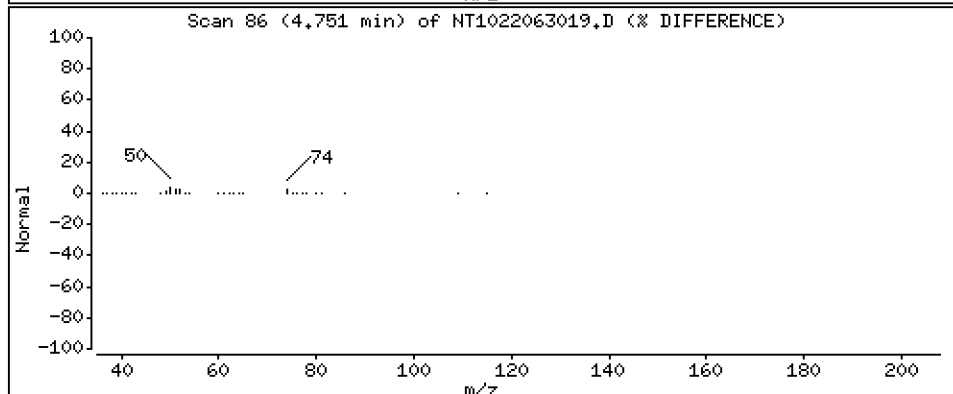
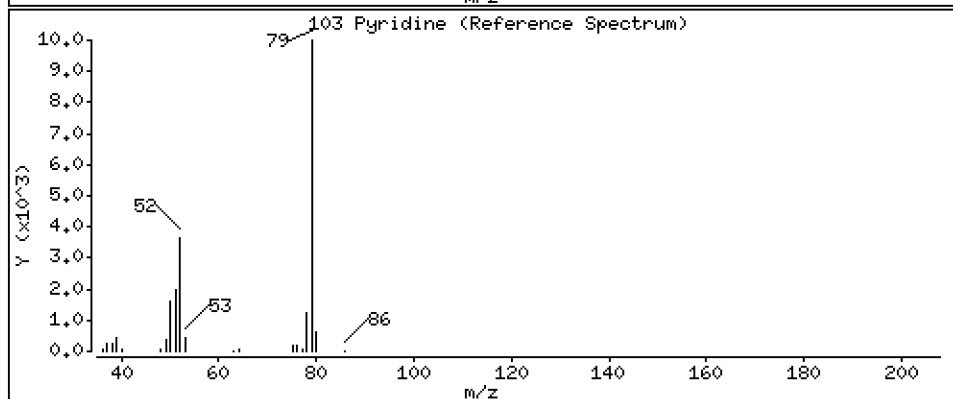
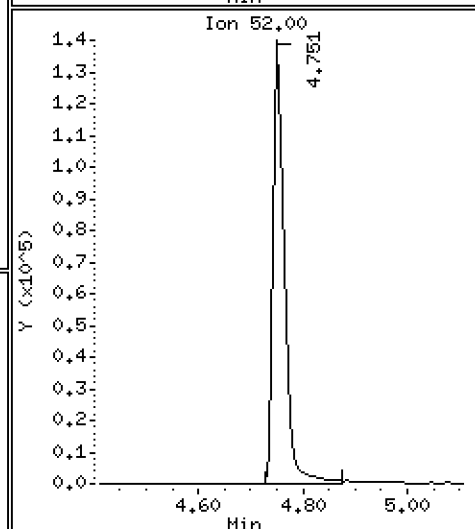
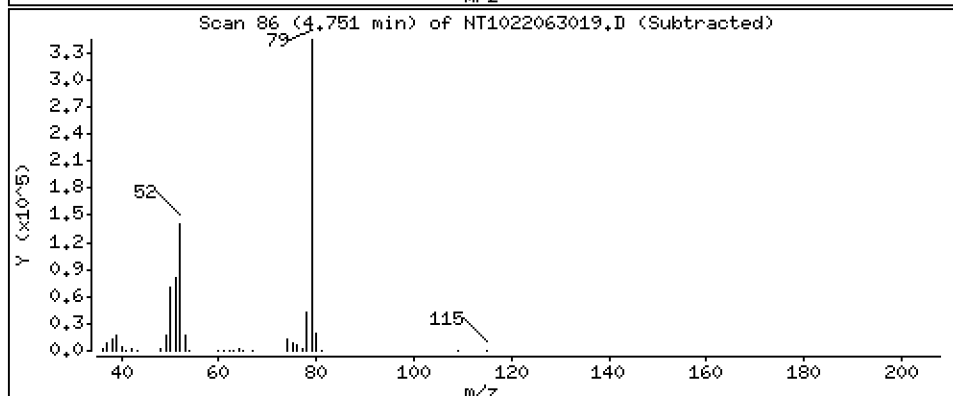
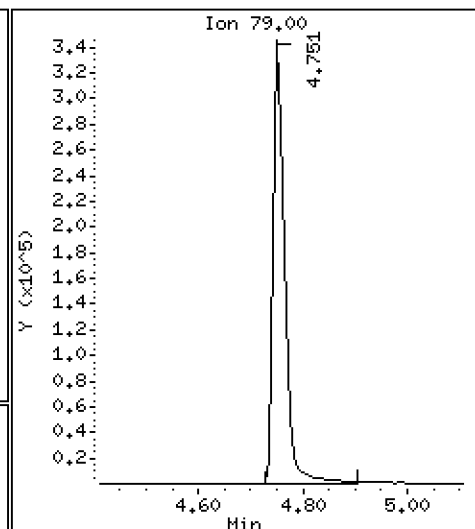
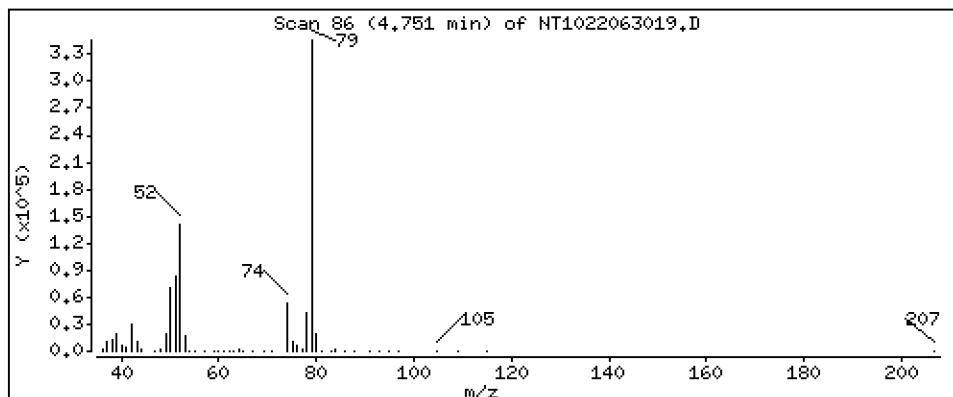
Operator: VTS

Column phase: ZB-5msi

Column diameter: 0.25

103 Pyridine

Concentration: 3.991 ug/mL



Date : 01-JUL-2022 01:13

Client ID:

Instrument: nt10.i

Sample Info: SKG0010-CCV1

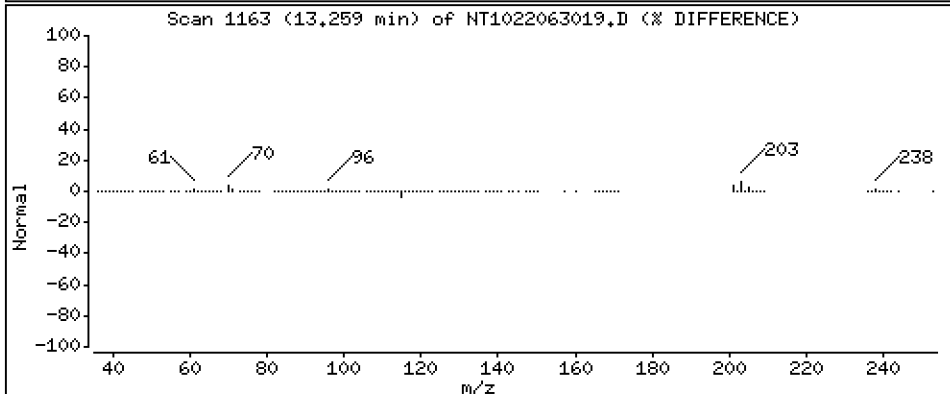
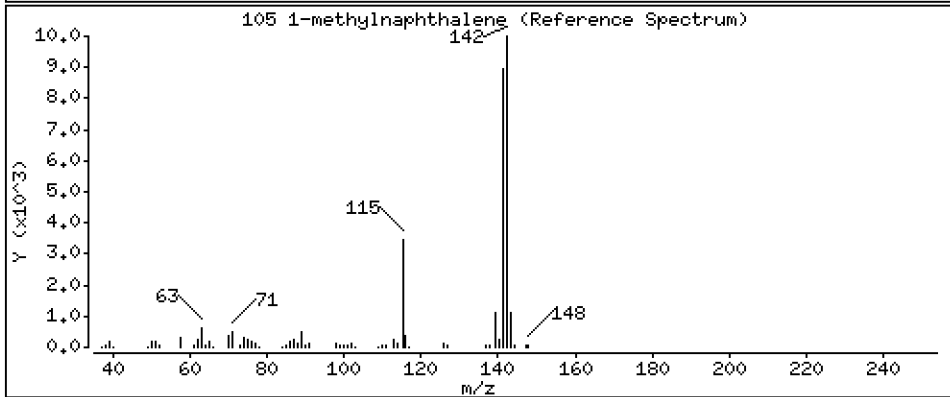
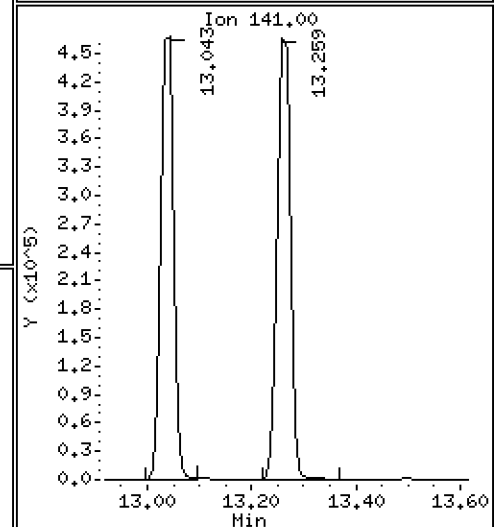
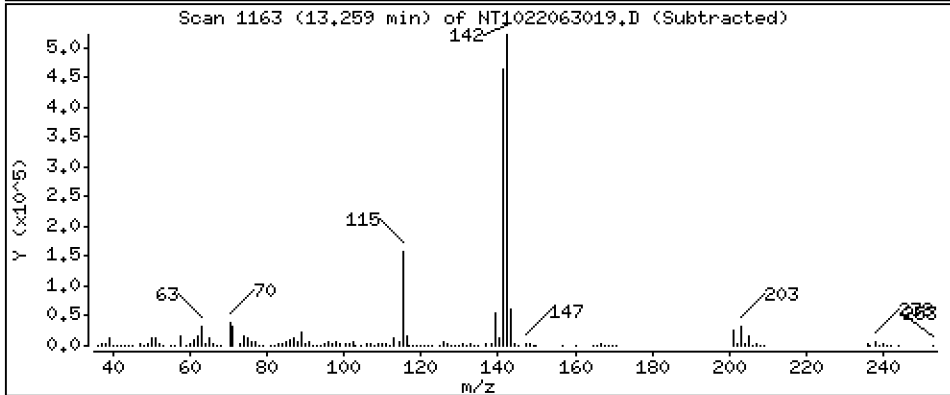
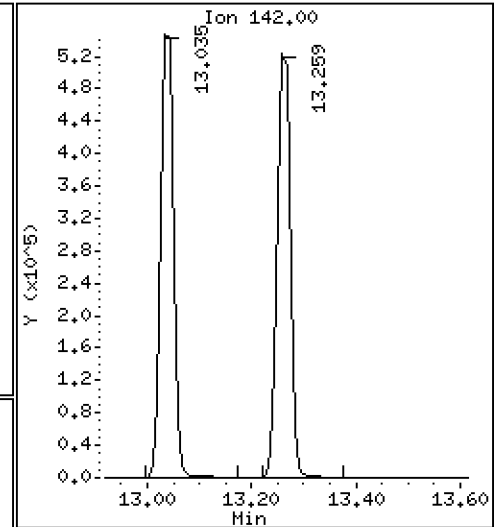
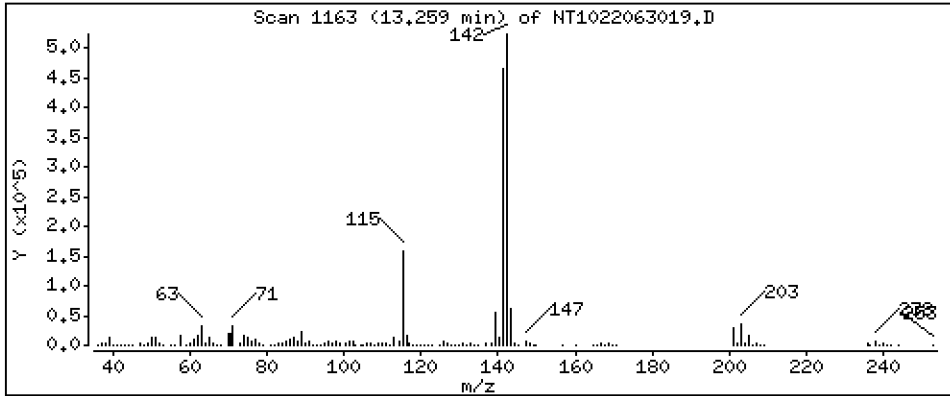
Operator: VTS

Column phase: ZB-5msi

Column diameter: 0,25

105 1-methylnaphthalene

Concentration: 5,649 ug/mL



Date : 01-JUL-2022 01:13

Client ID:

Instrument: nt10.i

Sample Info: SKG0010-CCV1

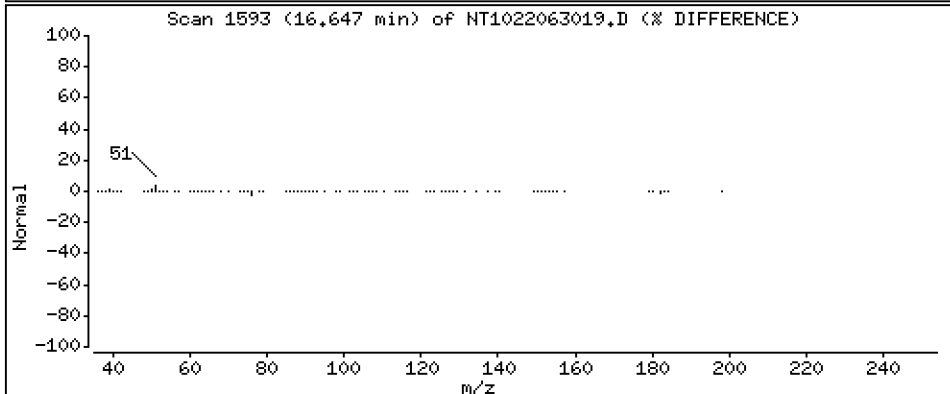
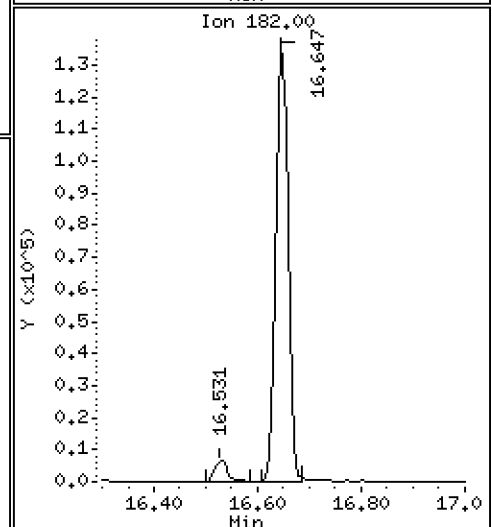
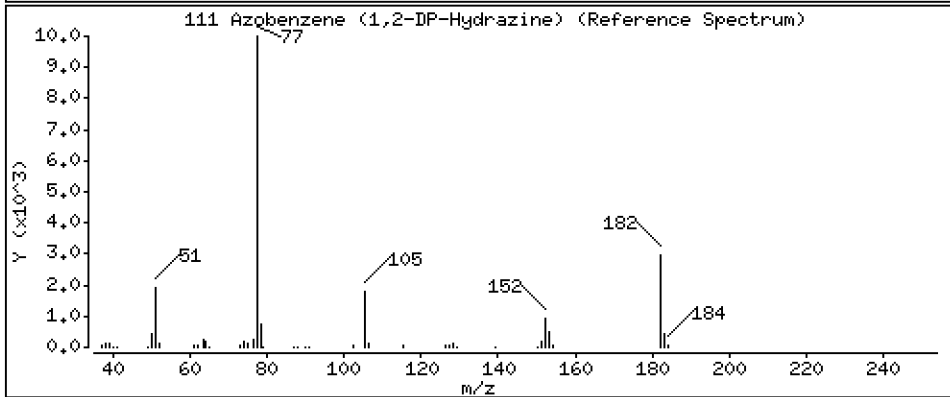
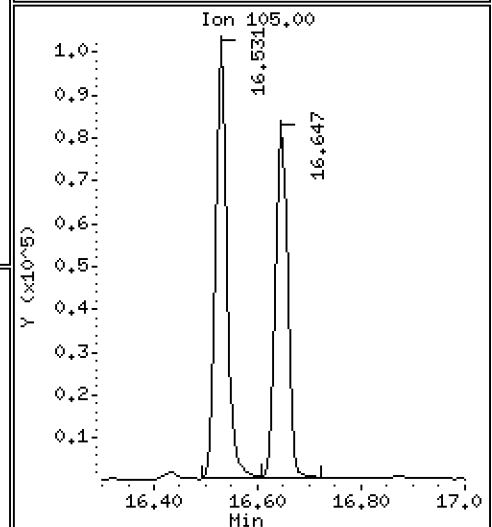
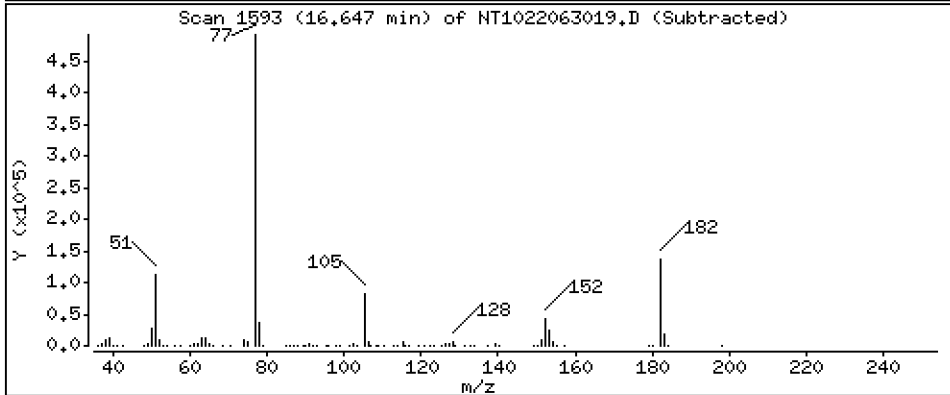
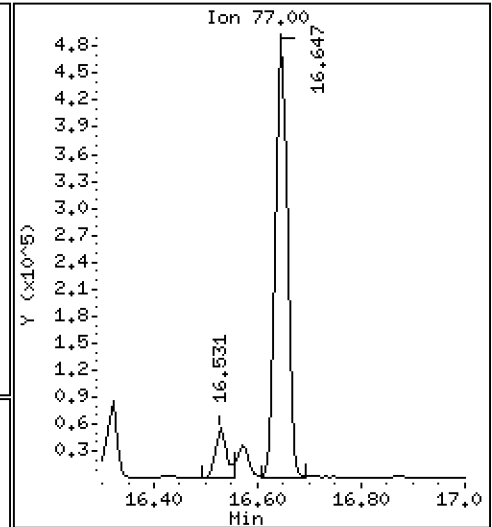
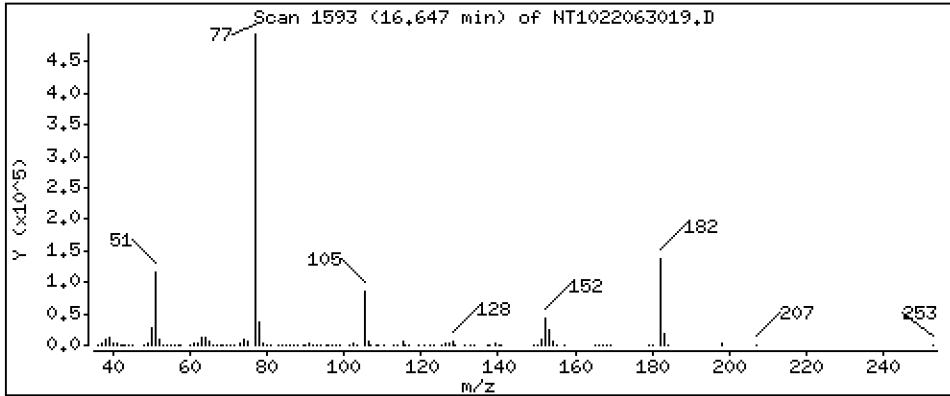
Operator: VTS

Column phase: ZB-5msi

Column diameter: 0,25

111 Azobenzene (1,2-DP-Hydrazine)

Concentration: 5,090 ug/mL



Date : 01-JUL-2022 01:13

Client ID:

Instrument: nt10.i

Sample Info: SKG0010-CCV1

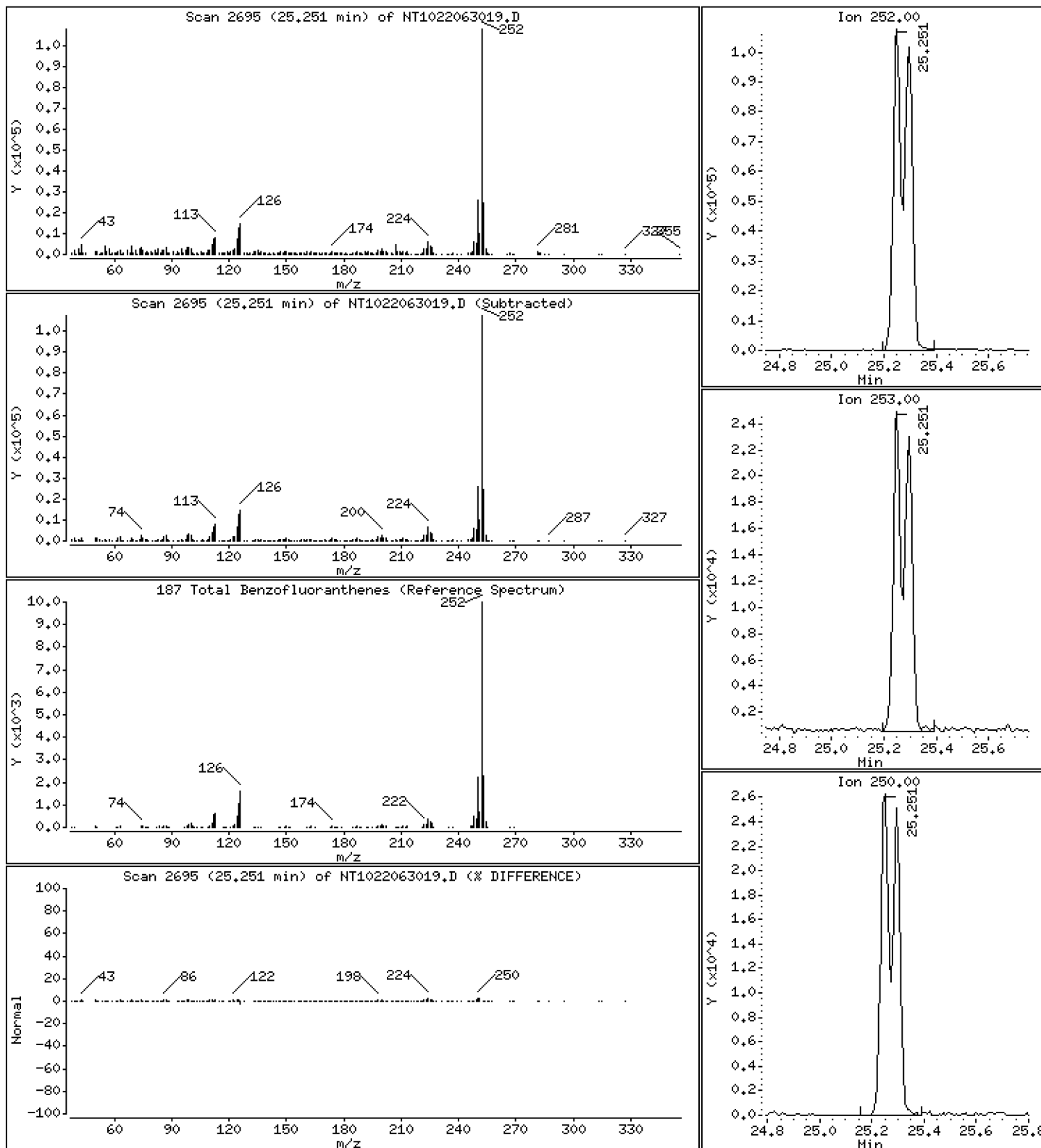
Operator: VTS

Column phase: ZB-5msi

Column diameter: 0,25

187 Total Benzofluoranthenes

Concentration: 9,203 ug/mL



Date : 01-JUL-2022 01:13

Client ID:

Instrument: nt10.i

Sample Info: SKG0010-CCV1

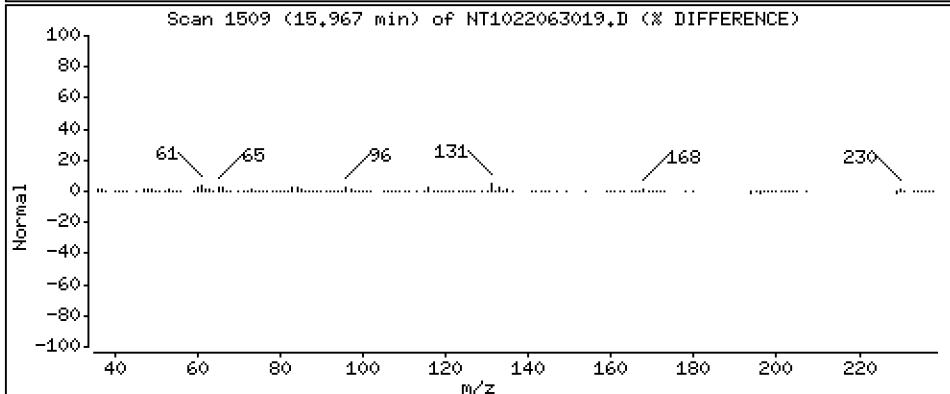
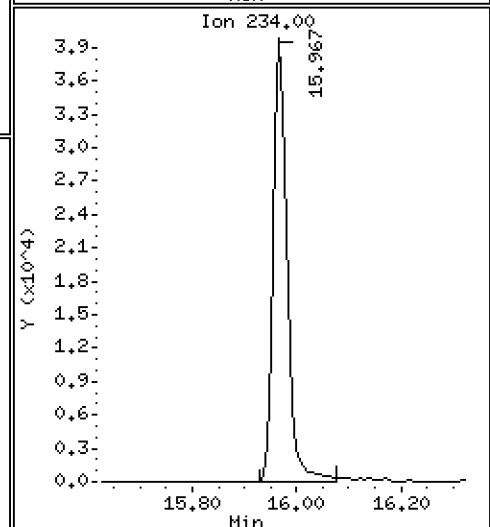
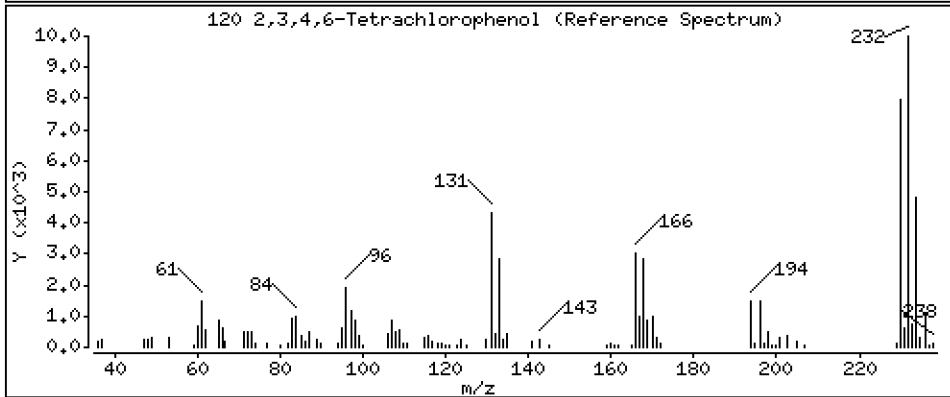
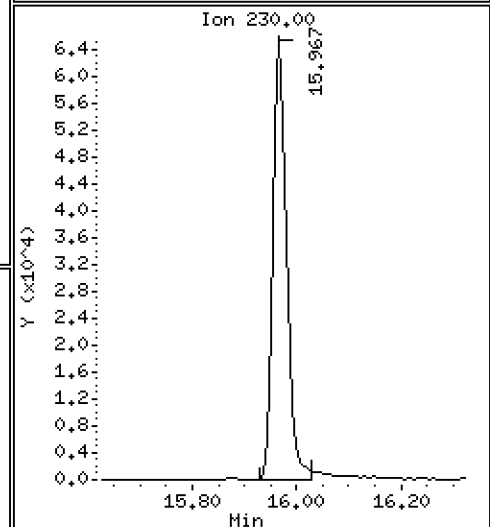
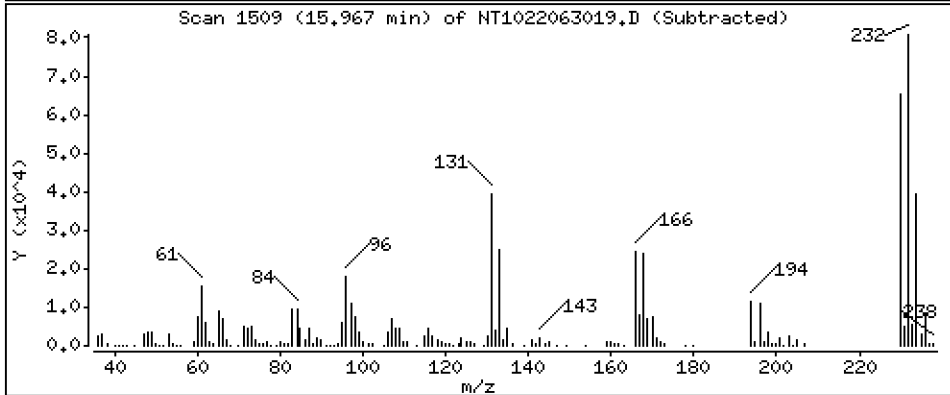
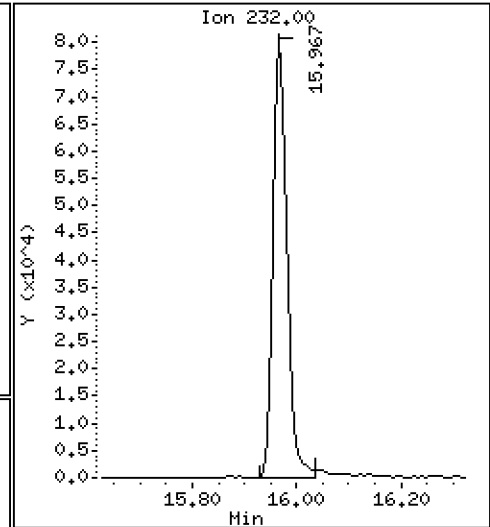
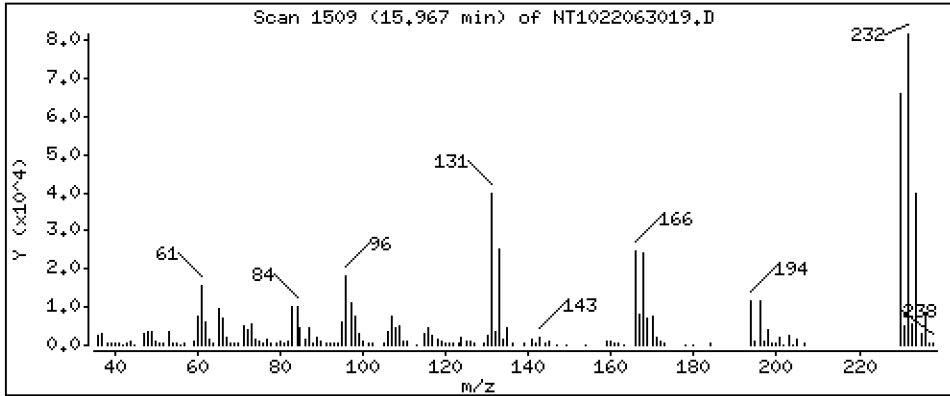
Operator: VTS

Column phase: ZB-5msi

Column diameter: 0,25

120 2,3,4,6-Tetrachlorophenol

Concentration: 4,710 ug/mL



ARI Labs, Inc.

Semivolatile Report SW846 Method 8270D

Data file : \\target\share\chem3\nt10.i\20220630.b\NT1022063019.D
 Lab Smp Id: SKG0010-CCV1
 Inj Date : 01-JUL-2022 01:13
 Operator : VTS
 Smp Info : SKG0010-CCV1
 Misc Info :
 Comment : 1ul Injection
 Method : \\target\share\chem3\nt10.i\20220630.b\ABN.m
 Meth Date : 01-Jul-2022 17:13 yev
 Cal Date : 23-JUN-2022 13:07
 Als bottle: 2
 Dil Factor: 1.00000
 Integrator: HP RTE
 Target Version: 4.14
 Processing Host: ORGDATA102

Inst ID: nt10.i

Quant Type: ISTD
 Cal File: NT1022062308.D

Compound Sublist: ICAL.sub

Compounds	QUANT	SIG	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS	
							ON-COLUMN	FINAL
	MASS						(ug/mL)	(ug/mL)
\$ 1 2-Fluorophenol	112		6.913	6.922	(0.758)	513734	7.45135	7.451
\$ 2 Phenol-d5	99		8.505	8.513	(0.933)	807915	7.89755	7.898
3 Phenol	94		8.521	8.529	(0.935)	439790	4.93359	4.934
\$ 5 2-Chlorophenol-d4	132		8.760	8.768	(0.961)	537069	7.64502	7.645
4 Bis(2-Chloroethyl)ether	93		8.660	8.660	(0.950)	321446	5.01051	5.011
6 2-Chlorophenol	128		8.791	8.791	(0.964)	356340	5.01414	5.014
7 1,3-Dichlorobenzene	146		9.046	9.055	(0.992)	379026	4.93103	4.931
* 8 1,4-Dichlorobenzene-d4	152		9.116	9.117	(1.000)	188811	4.00000	
9 1,4-Dichlorobenzene	146		9.147	9.148	(1.003)	308852	5.09743	5.097
\$ 10 1,2-Dichlorobenzene-d4	152		9.473	9.474	(1.039)	217370	5.02141	5.021
12 1,2-Dichlorobenzene	146		9.496	9.505	(1.042)	324117	5.03904	5.039
11 Benzyl alcohol	108		9.388	9.396	(1.030)	208478	5.87088	5.871
14 2,2'-oxybis(1-Chloropropane)	121		9.675	9.683	(1.061)	80677	5.30376	5.304
13 2-Methylphenol	108		9.628	9.637	(1.056)	281685	5.12514	5.125
17 Hexachloroethane	117		10.086	10.087	(1.106)	127554	4.72262	4.723
16 N-Nitroso-di-n-propylamine	70		9.931	9.939	(1.089)	183498	4.80060	4.801
15 4-Methylphenol	108		9.900	9.901	(1.086)	296679	5.05100	5.051
\$ 18 Nitrobenzene-d5	82		10.203	10.211	(0.880)	341178	5.23940	5.239
19 Nitrobenzene	77		10.242	10.242	(0.883)	348276	5.30648	5.306
20 Isophorone	82		10.684	10.692	(0.921)	590975	6.22443	6.224
21 2-Nitrophenol	139		10.868	10.876	(0.937)	227668	5.49189	5.492
22 2,4-Dimethylphenol	107		10.935	10.944	(0.943)	436948	8.67653	8.677
23 Bis(2-Chloroethoxy)methane	93		11.114	11.123	(0.958)	290421	5.09130	5.091
24 Benzoic acid	105		11.173	11.123	(0.964)	561288	20.8094	20.81
25 2,4-Dichlorophenol	162		11.343	11.352	(0.978)	507908	9.92357	9.924
26 1,2,4-Trichlorobenzene	180		11.511	11.519	(0.993)	255081	4.64308	4.643
* 27 Naphthalene-d8	136		11.596	11.604	(1.000)	611973	4.00000	
28 Naphthalene	128		11.642	11.643	(1.004)	842359	5.37826	5.378
29 4-Chloroaniline	127		11.773	11.774	(1.015)	805806	11.6518	11.65
30 Hexachlorobutadiene	225		11.990	11.998	(1.034)	136329	5.20168	5.202
31 4-Chloro-3-methylphenol	107		12.764	12.764	(1.101)	660678	10.6569	10.66
32 2-Methylnaphthalene	142		13.035	13.043	(1.124)	877082	5.63456	5.635
33 Hexachlorocyclopentadiene	237		13.499	13.507	(0.887)	10450	0.51198	0.5120

Compounds	QUANT SIG					CONCENTRATIONS	
	MASS	RT	EXP RT	REL RT	RESPONSE	ON-COLUMN (ug/mL)	FINAL (ug/mL)
34 2,4,6-Trichlorophenol	196	13.669	13.677	(0.898)	484601	11.9354	11.94
35 2,4,5-Trichlorophenol	196	13.762	13.770	(0.904)	522759	10.8273	10.83
§ 36 2-Fluorobiphenyl	172	13.816	13.824	(0.908)	861258	5.32745	5.327
37 2-Chloronaphthalene	162	14.033	14.041	(0.922)	772365	5.41952	5.420
38 2-Nitroaniline	65	14.296	14.304	(0.939)	445105	11.6759	11.68
39 Dimethylphthalate	163	14.722	14.730	(0.967)	621296	4.95921	4.959
40 Acenaphthylene	152	14.908	14.916	(0.980)	1111272	5.32142	5.321
41 2,6-Dinitrotoluene	165	14.869	14.869	(0.977)	313536	10.7757	10.78
* 42 Acenaphthene-d10	164	15.217	15.225	(1.000)	357247	4.00000	
43 3-Nitroaniline	138	15.155	15.163	(0.996)	393155	11.4780	11.48
44 Acenaphthene	153	15.286	15.295	(1.005)	566398	5.45153	5.452
45 2,4-Dinitrophenol	184	15.379	15.387	(1.011)	137630	10.4198	10.42
46 Dibenzofuran	168	15.611	15.619	(1.026)	924168	5.59706	5.597
47 4-Nitrophenol	109	15.542	15.550	(1.021)	128682	11.2295	11.23
48 2,4-Dinitrotoluene	165	15.681	15.689	(1.030)	447923	11.5180	11.52
50 Diethylphthalate	149	16.176	16.191	(1.063)	568574	5.29052	5.291
49 Fluorene	166	16.330	16.338	(1.073)	873894	4.42934	4.429
51 4-Chlorophenyl-phenylether	204	16.323	16.331	(1.073)	214503	2.47574	2.476
52 4-Nitroaniline	138	16.430	16.439	(1.080)	431433	12.5756	12.58
53 4,6-Dinitro-2-methylphenol	198	16.531	16.539	(0.904)	377307	15.3250	15.32
54 N-Nitrosodiphenylamine	169	16.569	16.577	(0.907)	485463	4.90024	4.900
§ 55 2,4,6-Tribromophenol	330	16.870	16.878	(1.109)	126097	7.74255	7.743
56 4-Bromophenyl-phenylether	248	17.325	17.333	(0.948)	244213	5.32047	5.320
57 Hexachlorobenzene	284	17.649	17.658	(0.966)	211084	5.03412	5.034
58 Pentachlorophenol	266	18.021	18.029	(0.986)	66741	6.86043	6.860
* 59 Phenanthrene-d10	188	18.276	18.277	(1.000)	630045	4.00000	
60 Phenanthrene	178	18.323	18.331	(1.003)	855739	5.16985	5.170
61 Anthracene	178	18.416	18.424	(1.008)	946614	5.36650	5.366
62 Carbazole	167	18.756	18.757	(1.026)	992833	6.10103	6.101
63 Di-n-butylphthalate	149	19.545	19.554	(1.069)	1311160	5.18179	5.182
64 Fluoranthene	202	20.721	20.722	(0.887)	1093471	9.33971	9.340
65 Pyrene	202	21.147	21.147	(0.906)	808067	7.93183	7.932
§ 66 Terphenyl-d14	244	21.425	21.434	(0.917)	448945	8.34544	8.345
67 Butylbenzylphthalate	149	22.355	22.363	(0.957)	263489	8.46094	8.461
68 Benzo(a)anthracene	228	23.323	23.331	(0.999)	356598	5.45909	5.459
* 69 Chrysene-d12	240	23.353	23.354	(1.000)	154154	4.00000	
70 3,3'-Dichlorobenzidine	252	23.276	23.284	(0.997)	384151	18.0473	18.05
71 Chrysene	228	23.392	23.400	(1.002)	262018	5.69414	5.694
72 bis(2-Ethylhexyl)phthalate	149	23.392	23.400	(0.959)	235364	6.27798	6.278
* 134 Di-n-octylphthalate-d4	153	24.399	24.407	(1.000)	339183	4.00000	
73 Di-n-octylphthalate	149	24.414	24.415	(1.001)	405781	5.26353	5.264
74 Benzo(b)fluoranthene	252	25.250	25.251	(0.970)	231149	4.70205	4.702
75 Benzo(k)fluoranthene	252	25.297	25.297	(0.971)	211208	4.46806	4.468
76 Benzo(a)pyrene	252	25.924	25.924	(0.996)	179921	4.47185	4.472
* 77 Perylene-d12	264	26.040	26.041	(1.000)	108547	4.00000	
78 Indeno(1,2,3-cd)pyrene	276	28.806	28.806	(1.106)	139577	3.24912	3.249
79 Dibenzo(a,h)anthracene	278	28.814	28.814	(1.107)	124210	3.77696	3.777
80 Benzo(g,h,i)perylene	276	29.614	29.622	(1.137)	94928	2.76439	2.764
90 N-Nitrosodimethylamine	74	4.735	4.736	(0.519)	394723	8.75032	8.750
91 Aniline	93	8.567	8.575	(0.940)	811015	9.09667	9.097
93 Benzidine	184	20.953	20.962	(0.897)	397834	17.4934	17.49
103 Pyridine	79	4.751	4.759	(0.521)	510387	3.99134	3.991
105 1-methylnaphthalene	142	13.259	13.267	(1.143)	863863	5.64874	5.649
111 Azobenzene (1,2-DP-Hydrazine)	77	16.646	16.655	(1.094)	726188	5.08967	5.090

Compounds	QUANT SIG	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS	
						ON-COLUMN (ug/mL)	FINAL (ug/mL)
187 Total Benzofluoranthenes	252	25.250	25.251	(0.970)	421817	9.20284	9.203
120 2,3,4,6-Tetrachlorophenol	232	15.967	15.975	(1.049)	146798	4.71014	4.710

ARI Labs, Inc.

INTERNAL STANDARD COMPOUNDS
 AREA AND RT SUMMARY

Instrument ID: nt10.i Calibration Date: 30-JUN-2022
 Lab File ID: NT1022063019.D Calibration Time: 14:09
 Lab Smp Id: SKG0010-CCV1
 Analysis Type: SV Level:
 Quant Type: ISTD Sample Type:
 Operator: VTS
 Method File: \\target\share\chem3\nt10.i\20220630.b\ABN.m
 Misc Info:

Test Mode:
 Use Last Continuing Calibrator.

COMPOUND	STANDARD	AREA LIMIT		SAMPLE	%DIFF
		LOWER	UPPER		
8 1,4-Dichlorobenze	207392	103696	414784	188811	-8.96
27 Naphthalene-d8	696938	348469	1393876	611973	-12.19
42 Acenaphthene-d10	395441	197721	790882	357247	-9.66
59 Phenanthrene-d10	603067	301534	1206134	630045	4.47
69 Chrysene-d12	148146	74073	296292	154154	4.06
134 Di-n-octylphthala	308009	154005	616018	339183	10.12
77 Perylene-d12	115550	57775	231100	108547	-6.06

COMPOUND	STANDARD	RT LIMIT		SAMPLE	%DIFF
		LOWER	UPPER		
8 1,4-Dichlorobenze	9.12	8.62	9.62	9.12	-0.01
27 Naphthalene-d8	11.60	11.10	12.10	11.60	-0.07
42 Acenaphthene-d10	15.23	14.73	15.73	15.22	-0.05
59 Phenanthrene-d10	18.28	17.78	18.78	18.28	-0.00
69 Chrysene-d12	23.35	22.85	23.85	23.35	-0.00
134 Di-n-octylphthala	24.41	23.91	24.91	24.40	-0.03
77 Perylene-d12	26.04	25.54	26.54	26.04	-0.00

AREA UPPER LIMIT = +100% of internal standard area.
 AREA LOWER LIMIT = - 50% of internal standard area.
 RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
 RT LOWER LIMIT = - 0.50 minutes of internal standard RT.

REVIEW SUMMARY FOR FILE - NT1022063019.D

Lab ID: SKG0010-CCV1
nt10.i, ABN.m, 01-JUL-2022 01:13

RT CO-ELUTION COMPOUNDS

NO CO-ELUTIONS

Quant Method: ICAL

RRT CHECK

RRT	CCV RRT	DELTA	COMPOUND
0.964	0.959	0.0050	Benzoic acid

RRT check based on Ccal File: NT1022063002.D

On Column LOD for nt10.i, ABN.m, ICAL.sub = 0.0000

* Only compounds listed in the work order have been verified by the analyst *



**LOW-CONCENTRATION
CONTINUING CALIBRATION CHECK
EPA 8270E**

Laboratory: Analytical Resources, LLC

SDG: 22F0267

Client: GeoEngineers

Project: RG Haley Site-Bellingham

Instrument ID: NT10

Calibration: FF00062

Lab File ID: NT1022063004.D

Calibration Date: 06/23/2022

Sequence: SKG0010

Injection Date: 06/30/22

Lab Sample ID: SKG0010-LCV1

Injection Time: 15:27

Sequence Name: ABN 0.5

COMPOUND	TYPE	CONC. (ug/mL)		RESPONSE FACTOR (RRF)			% DRIFT/DIFF	
		STD	CCV	ICAL	CCV	MIN	CCV	LIMIT
Naphthalene	A	0.50000	0.4	1.0237250	0.8433783		-17.6	+/-50
2-Methylnaphthalene	A	0.50000	0.4	1.0174370	0.8130820		-20.1	+/-50
Acenaphthene	A	0.50000	0.4	1.1633080	0.9540409		-18.0	+/-50
Pentachlorophenol	A	1.0000	0.01	0.0462824	0.0008286		-98.6	+/-50 *
Phenanthrene	A	0.50000	0.4	1.0508770	0.8431768		-19.8	+/-50
Fluoranthene	A	0.50000	0.6	2.5859780	3.5722750		26.5	+/-50
Benzo(a)anthracene	A	0.50000	0.4	1.6949770	1.3801880		-18.6	+/-50
Chrysene	A	0.50000	0.4	1.1695310	0.9538432		-15.2	+/-50
Benzo(b)fluoranthene	A	0.50000	0.3	1.8115340	1.2010880		-33.7	+/-50
Benzo(k)fluoranthene	A	0.50000	0.4	1.7419410	1.3684160		-21.4	+/-50
Benzo(a)pyrene	A	0.50000	0.4	1.4826420	1.1873580		-19.9	+/-50
Indeno(1,2,3-cd)pyrene	A	0.50000	0.4	1.5830350	1.2107420		-23.5	+/-50
Dibenzo(a,h)anthracene	A	0.50000	0.4	1.2118700	0.9695831		-20.0	+/-50
1-Methylnaphthalene	A	0.50000	0.4	0.9995882	0.8111310		-18.9	+/-50
2-Fluorophenol	A	0.75000	0.708	1.4606150	1.3784750		-5.6	+/-50
Phenol-d5	A	0.75000	0.582	2.1672350	1.6807090		-22.4	+/-50
2-Chlorophenol-d4	A	0.75000	0.667	1.4882780	1.3231060		-11.1	+/-50
1,2-Dichlorobenzene-d4	A	0.50000	0.447	0.9170783	0.8207416		-10.5	+/-50
Nitrobenzene-d5	A	0.50000	0.424	0.4256249	0.3610249		-15.2	+/-50
2-Fluorobiphenyl	A	0.50000	0.457	1.8101110	1.6545510		-8.6	+/-50
2,4,6-Tribromophenol	A	0.75000	0.430	0.1582114	0.1033351		-42.7	+/-50
p-Terphenyl-d14	A	0.50000	0.753	1.3958840	2.1031280		50.7	+/-50 *

* Values outside of QC limits

Data File: \\target\share\chem3\nt10.1\20220630.1\NT1022063004.D

Date: 30-JUN-2022 15:27

Client ID:

Sample Info: SK00010-LCW1

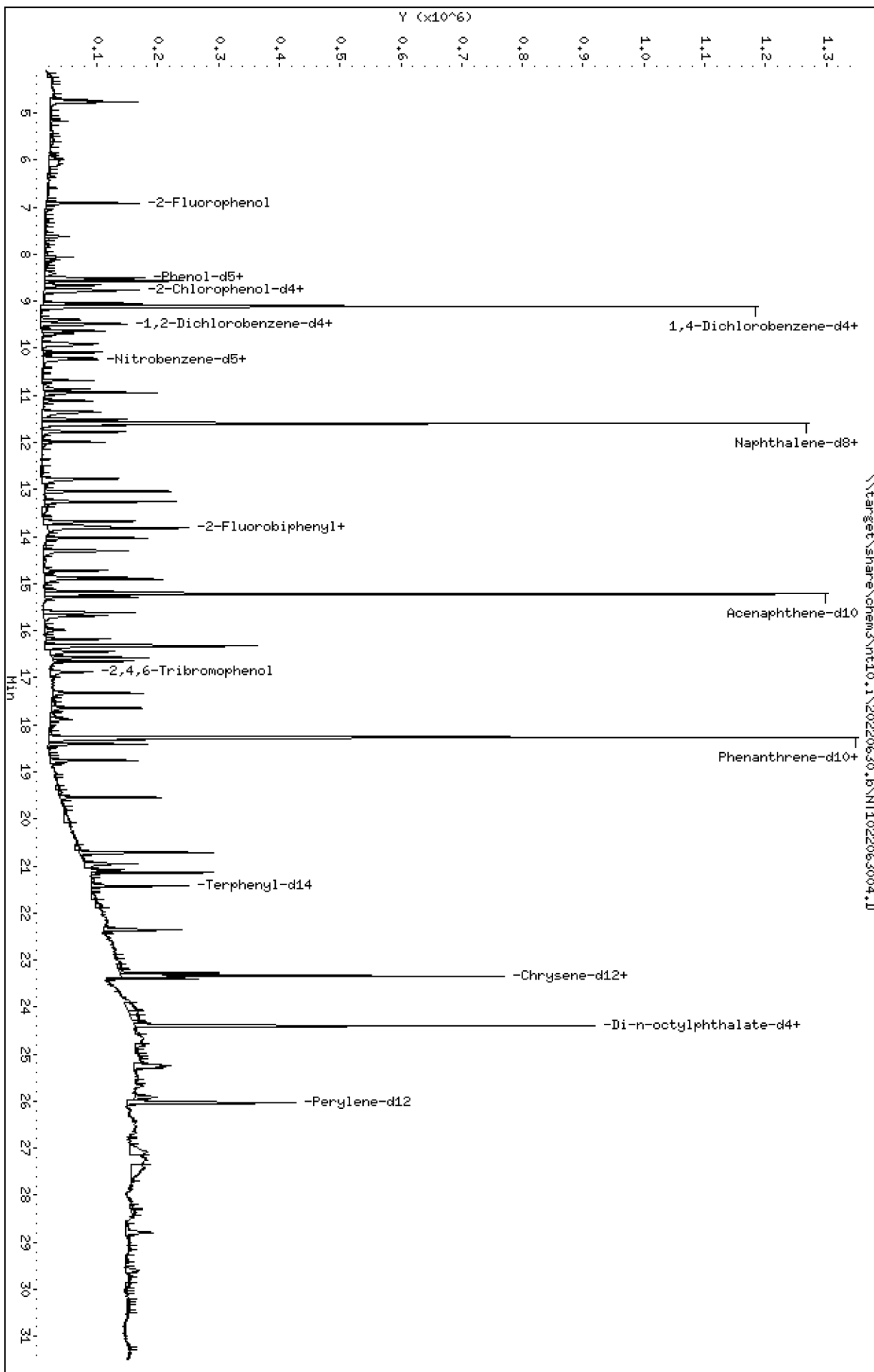
Column phase: ZB-5msi

Instrument: nt10.1

Operator: VTS

Column diameter: 0.25

\\target\share\chem3\nt10.1\20220630.1\NT1022063004.D



Date : 30-JUN-2022 15:27

Client ID:

Instrument: nt10.i

Sample Info: SKG0010-LCV1

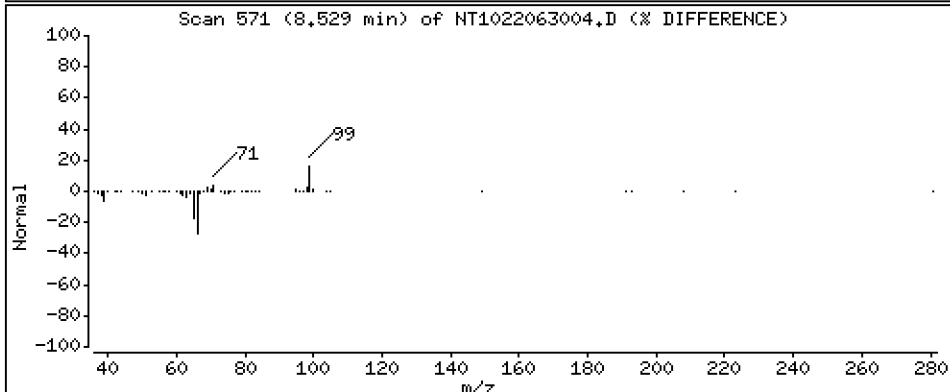
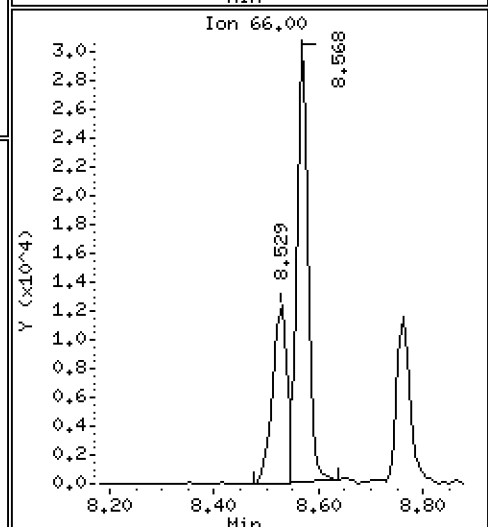
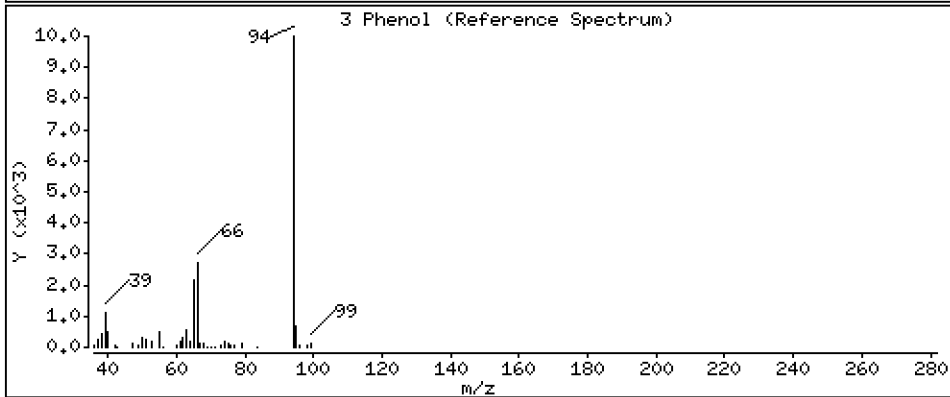
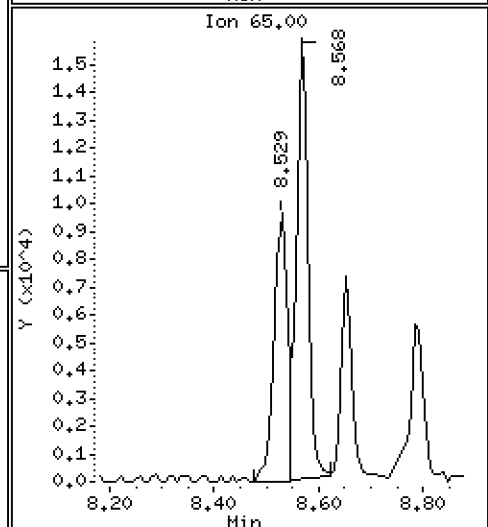
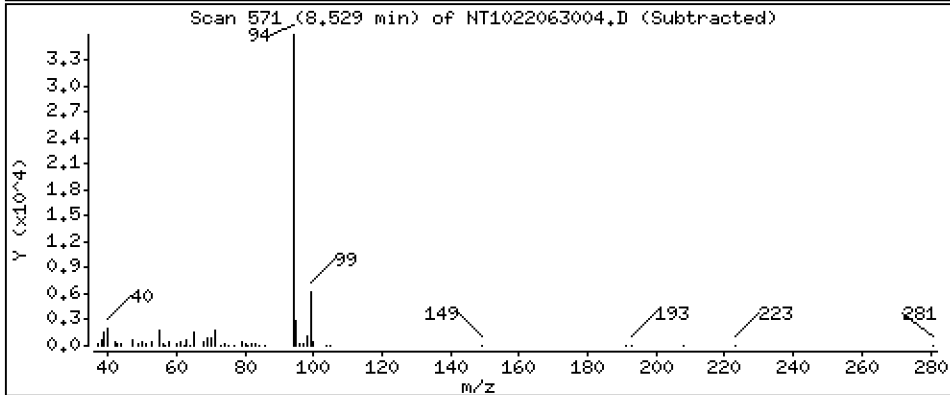
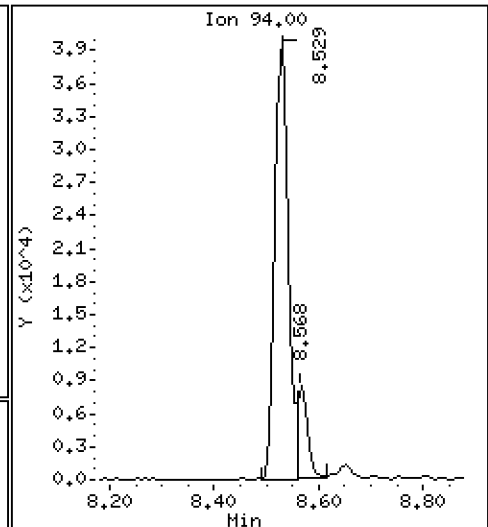
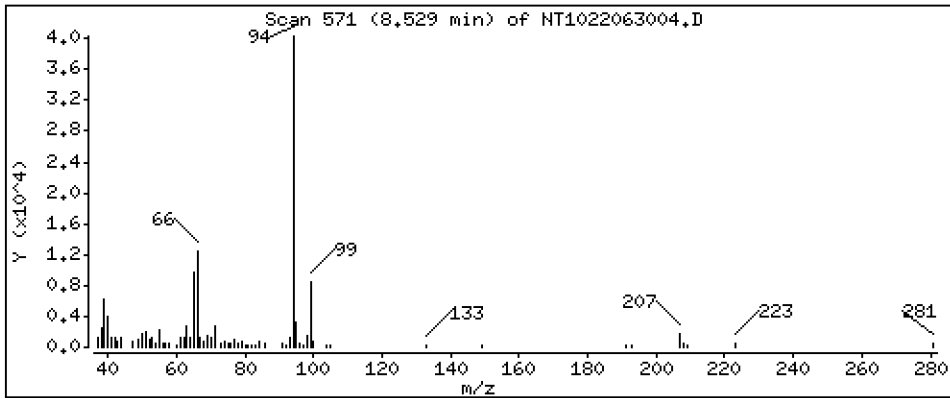
Operator: VTS

Column phase: ZB-5msi

Column diameter: 0,25

3 Phenol

Concentration: 0,4435 ug/mL



Date : 30-JUN-2022 15:27

Client ID:

Instrument: nt10.i

Sample Info: SKG0010-LCV1

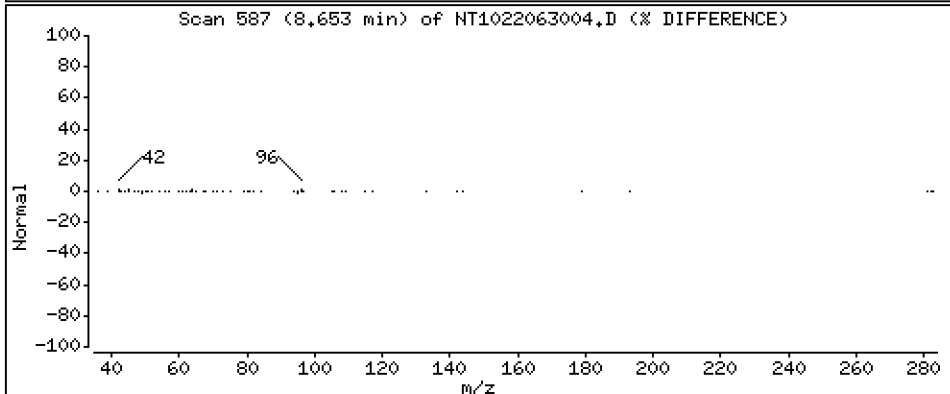
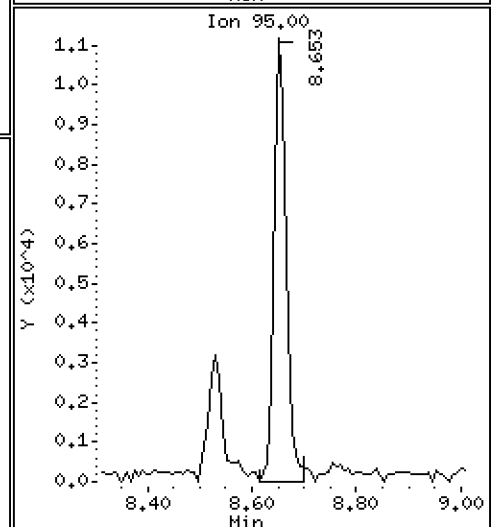
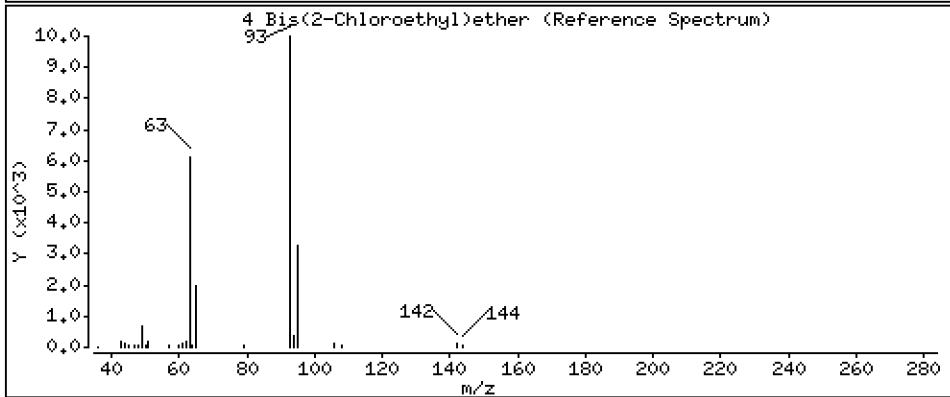
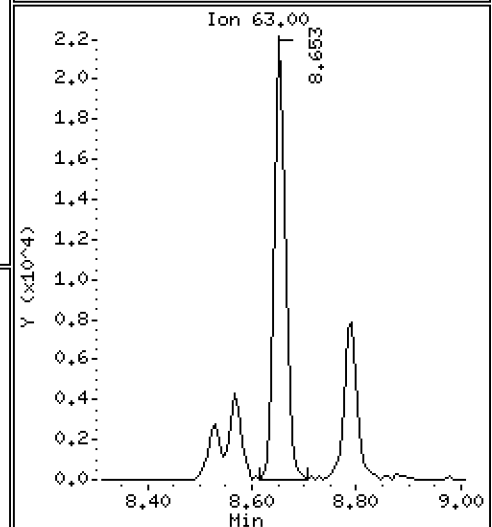
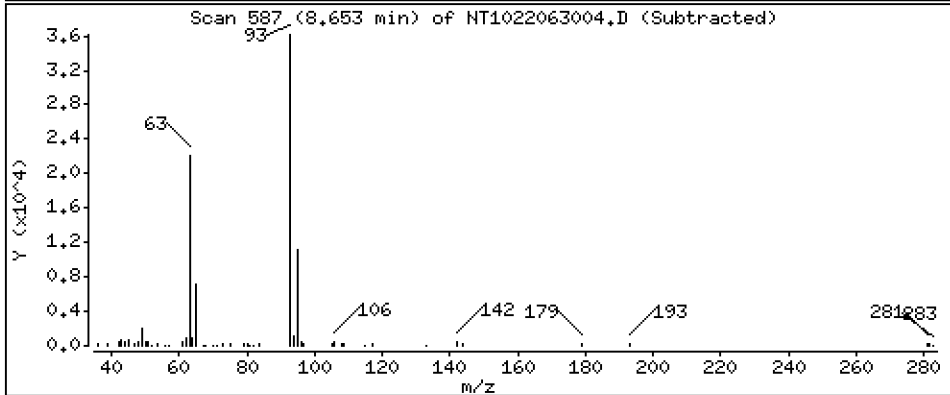
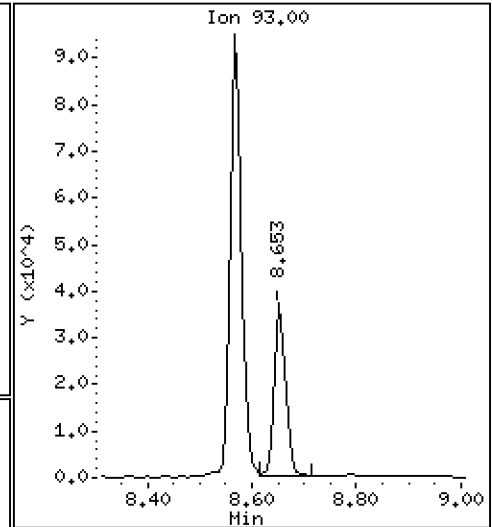
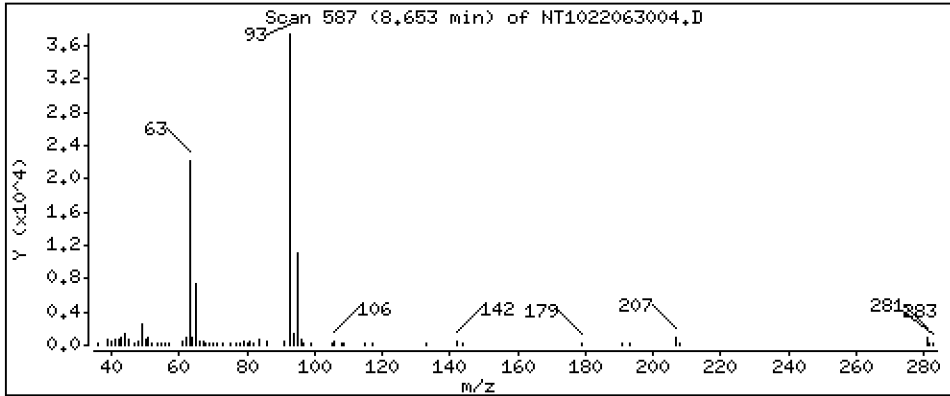
Operator: VTS

Column phase: ZB-5msi

Column diameter: 0,25

4 Bis(2-Chloroethyl)ether

Concentration: 0,4812 ug/mL



Date : 30-JUN-2022 15:27

Client ID:

Instrument: nt10.i

Sample Info: SKG0010-LCV1

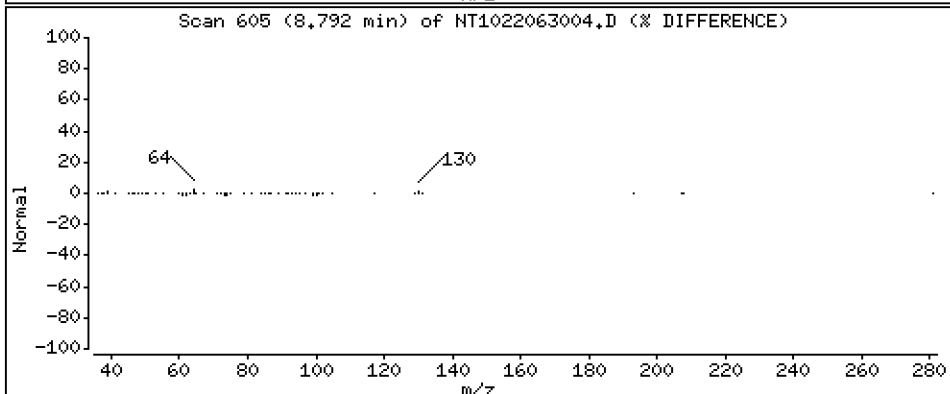
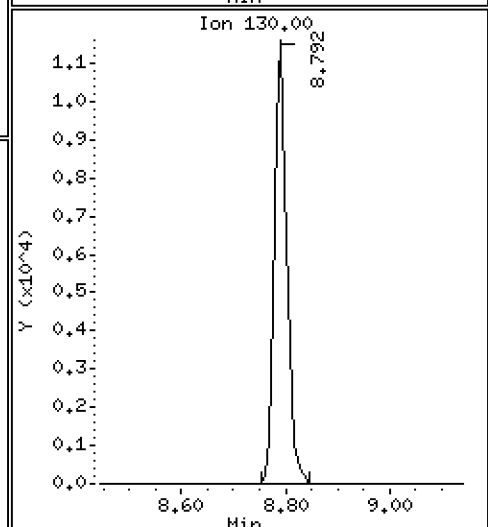
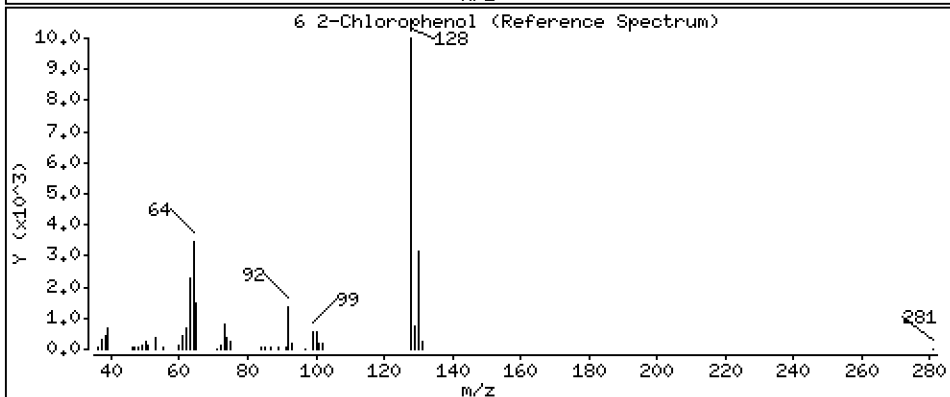
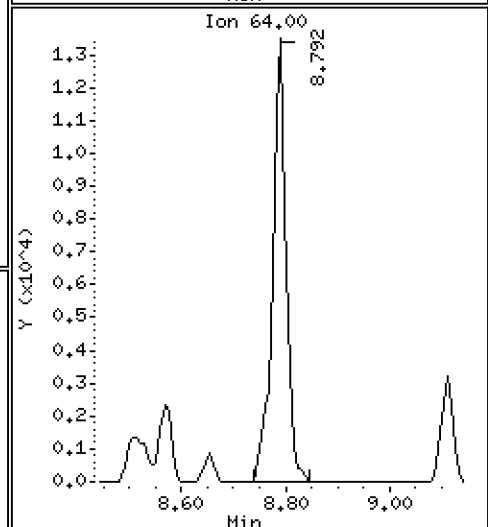
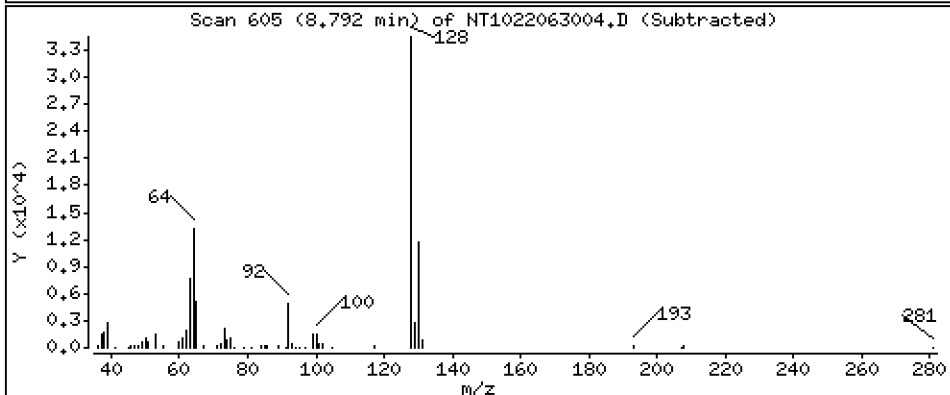
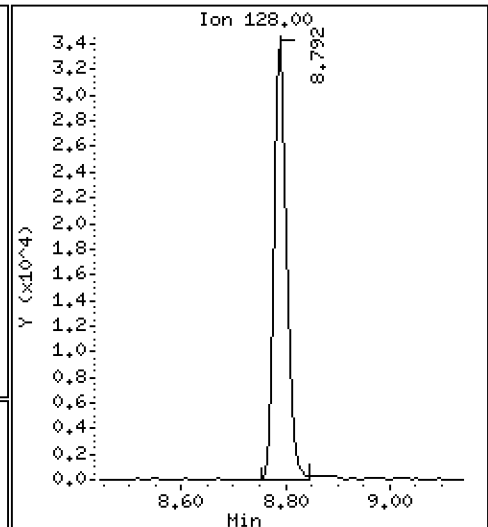
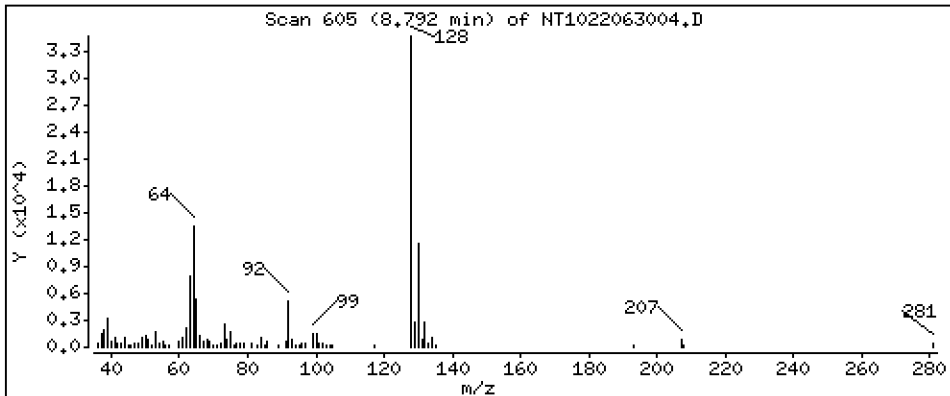
Operator: VTS

Column phase: ZB-5msi

Column diameter: 0,25

6 2-Chlorophenol

Concentration: 0,4519 ug/mL



Date : 30-JUN-2022 15:27

Client ID:

Instrument: nt10.i

Sample Info: SKG0010-LCV1

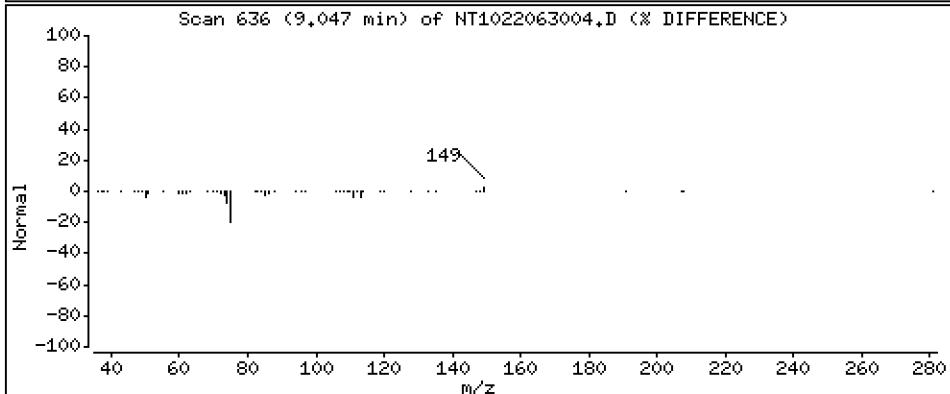
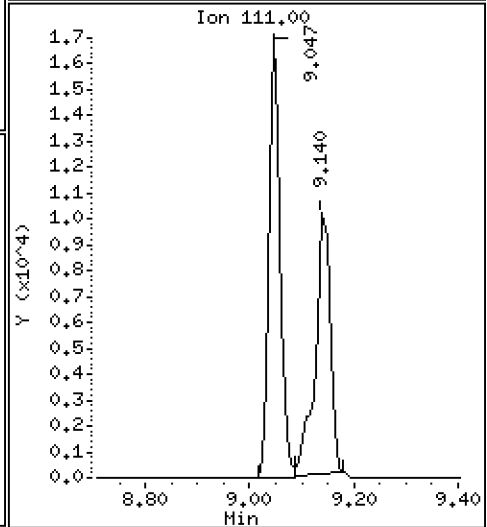
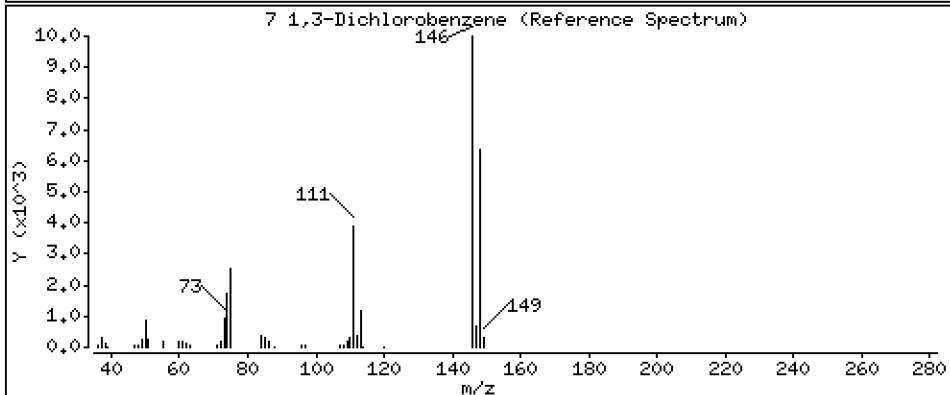
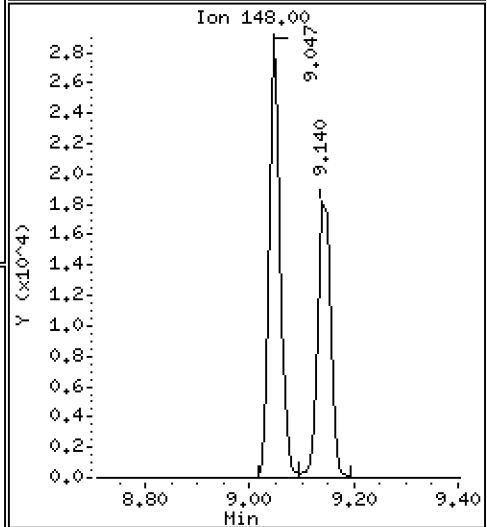
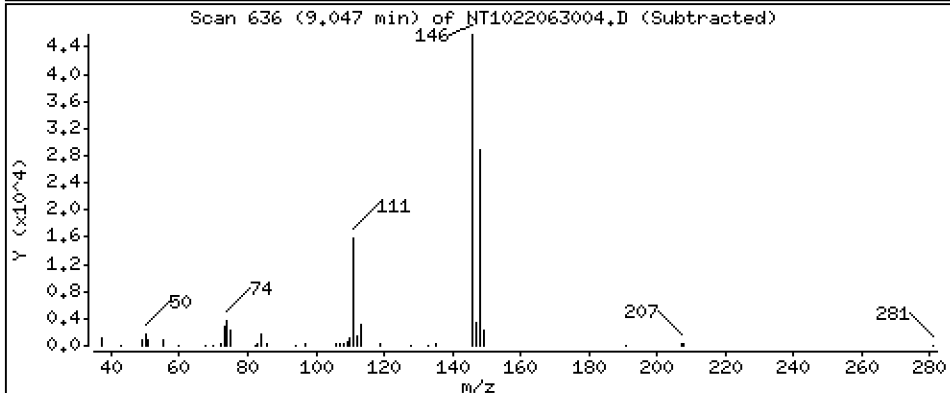
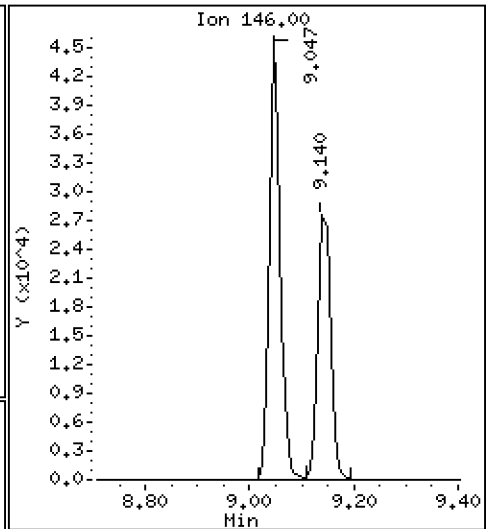
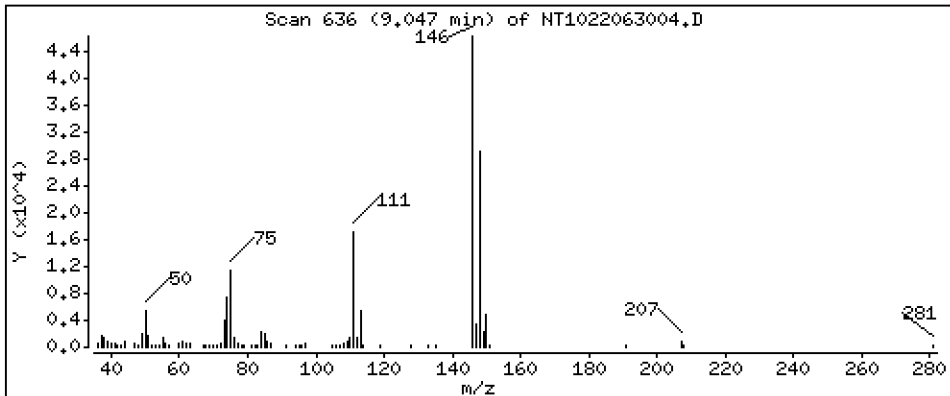
Operator: VTS

Column phase: ZB-5msi

Column diameter: 0,25

7 1,3-Dichlorobenzene

Concentration: 0,4942 ug/mL



Date : 30-JUN-2022 15:27

Client ID:

Instrument: nt10.i

Sample Info: SKG0010-LCV1

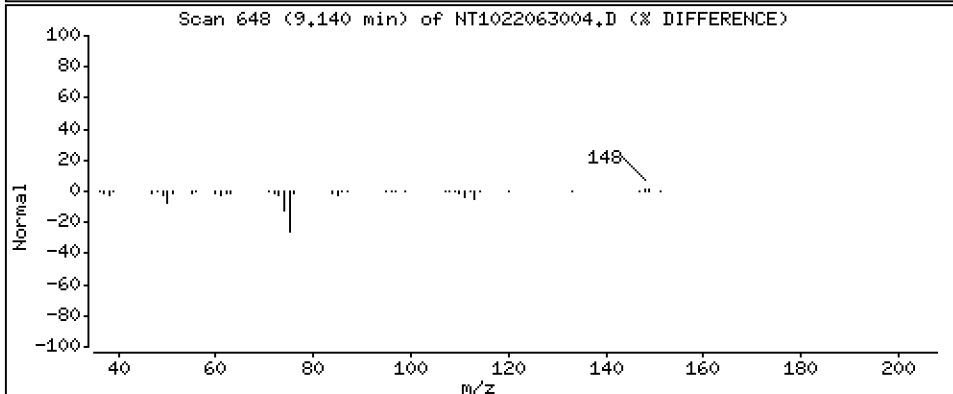
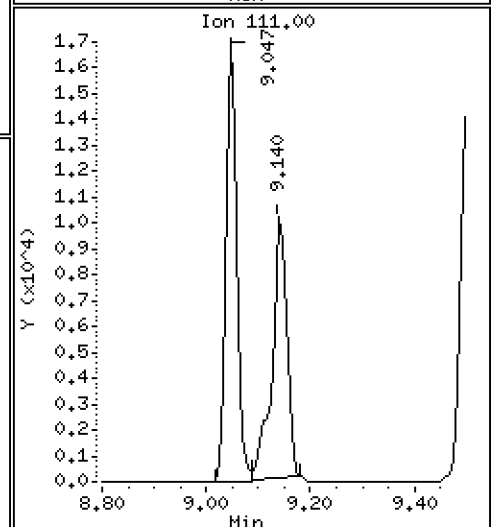
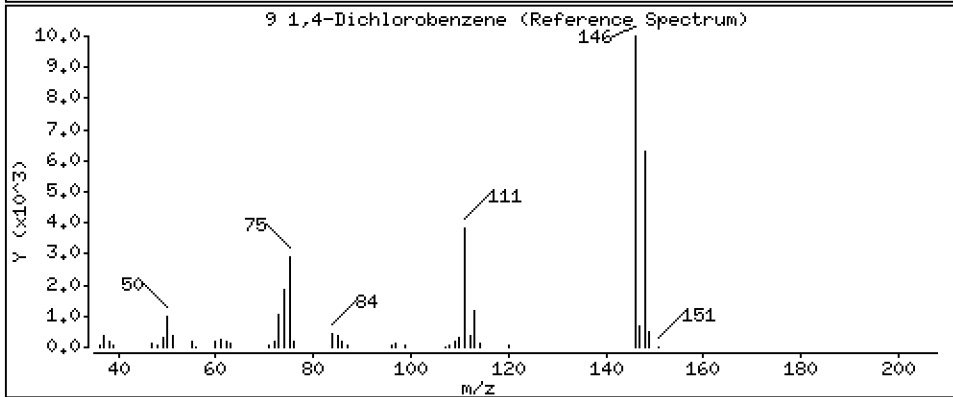
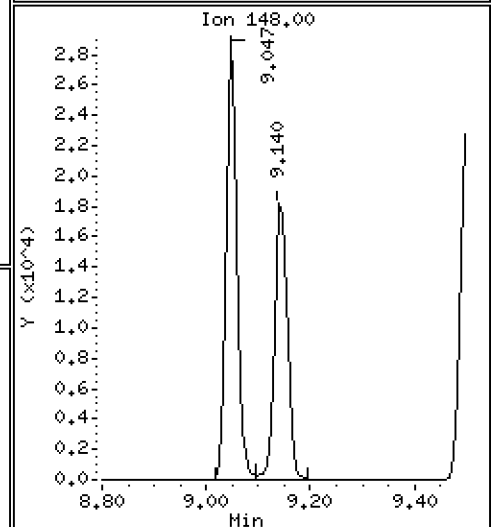
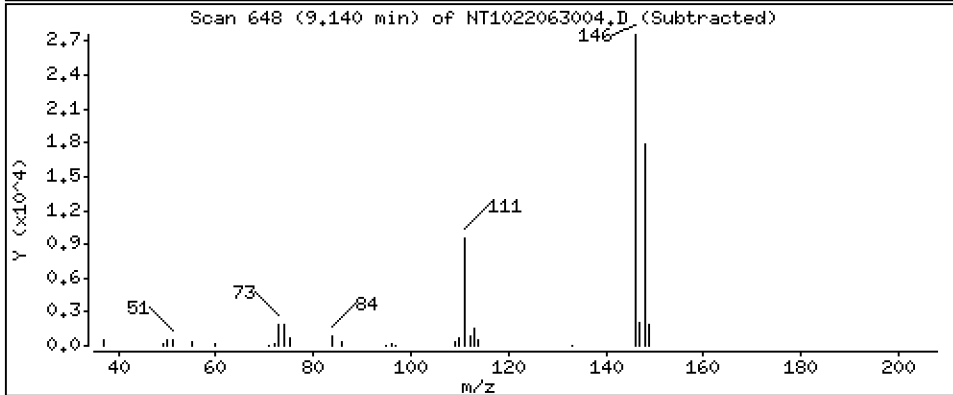
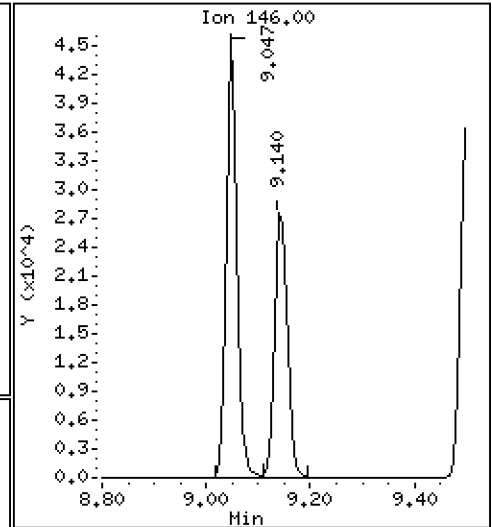
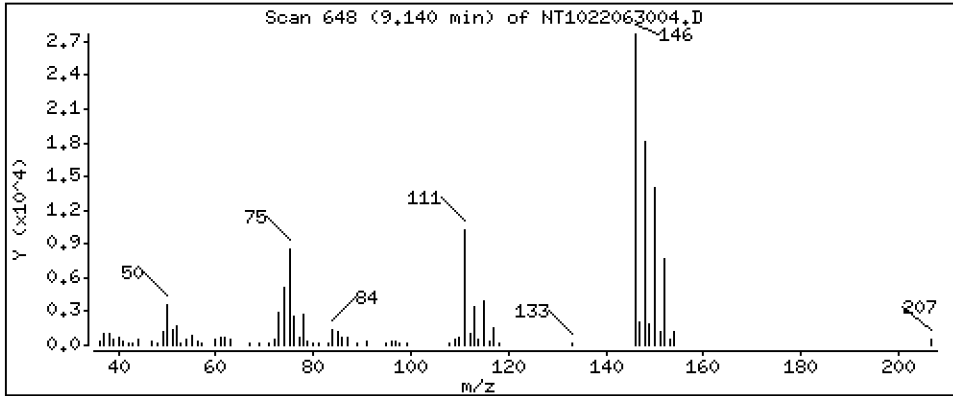
Operator: VTS

Column phase: ZB-5msi

Column diameter: 0.25

9 1,4-Dichlorobenzene

Concentration: 0.4209 ug/mL



Date : 30-JUN-2022 15:27

Client ID:

Instrument: nt10.i

Sample Info: SKG0010-LCV1

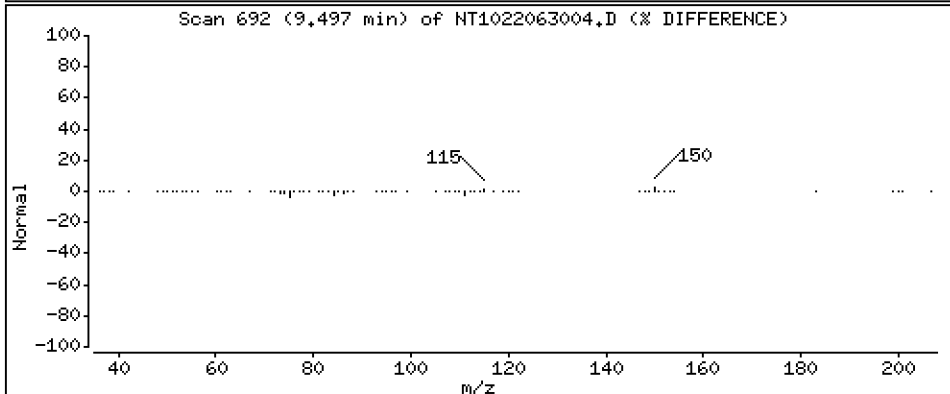
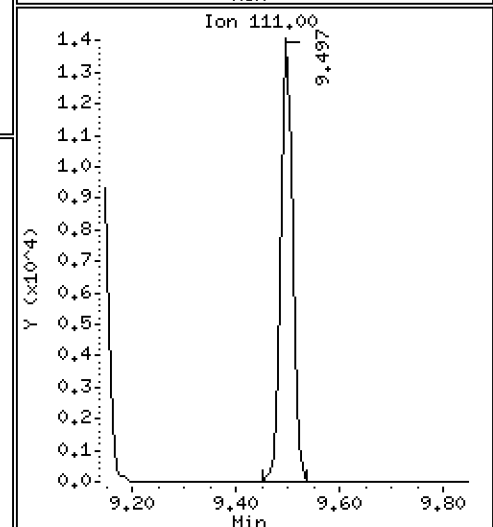
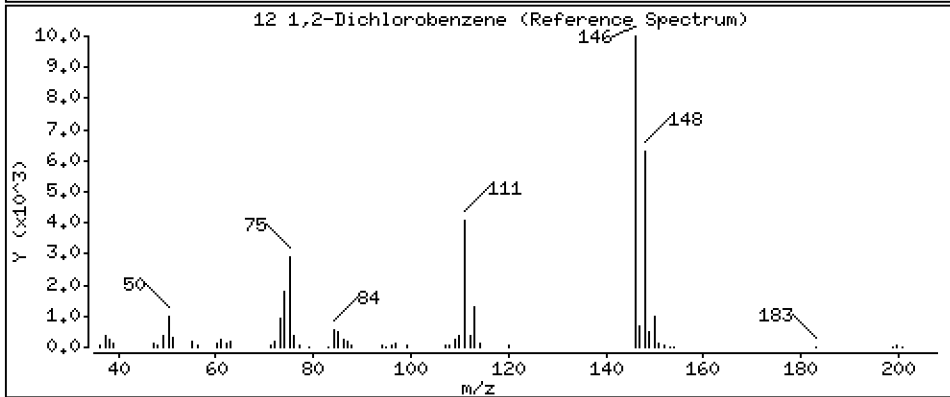
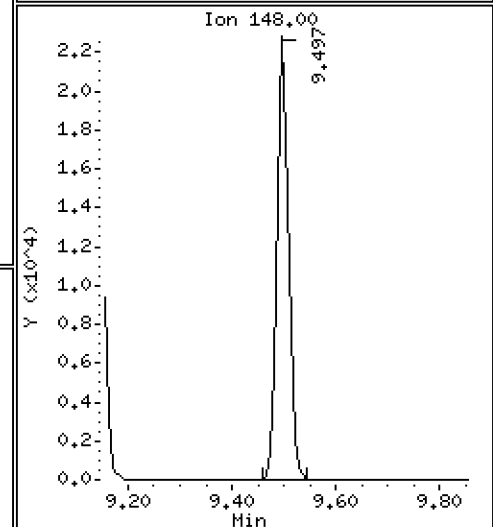
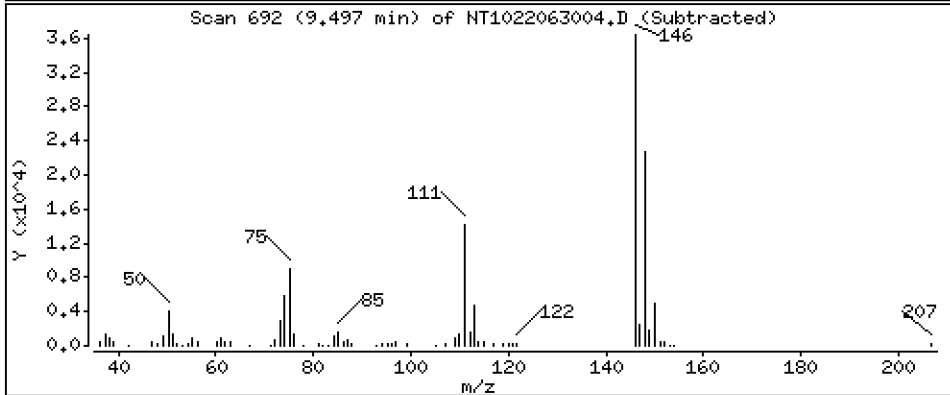
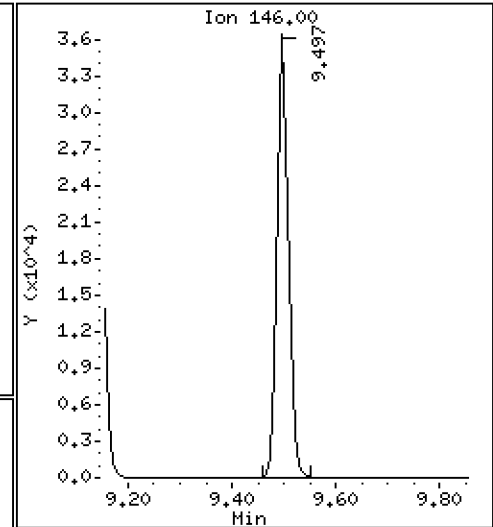
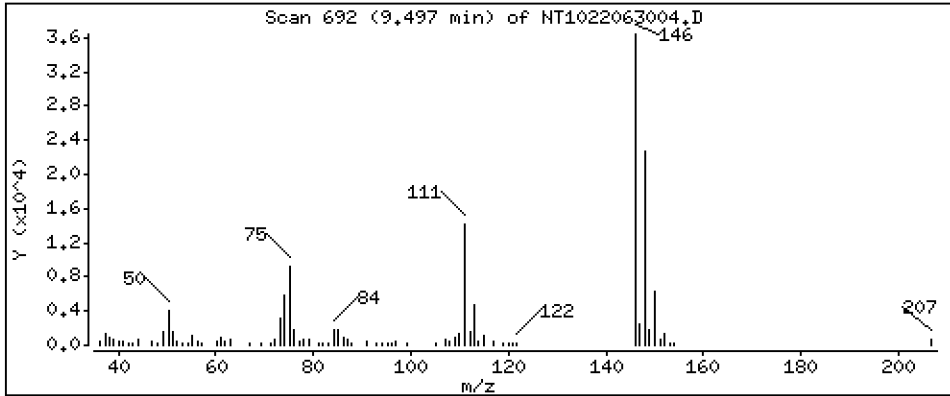
Operator: VTS

Column phase: ZB-5msi

Column diameter: 0,25

12 1,2-Dichlorobenzene

Concentration: 0,4725 ug/mL



Date : 30-JUN-2022 15:27

Client ID:

Instrument: nt10.i

Sample Info: SKG0010-LCV1

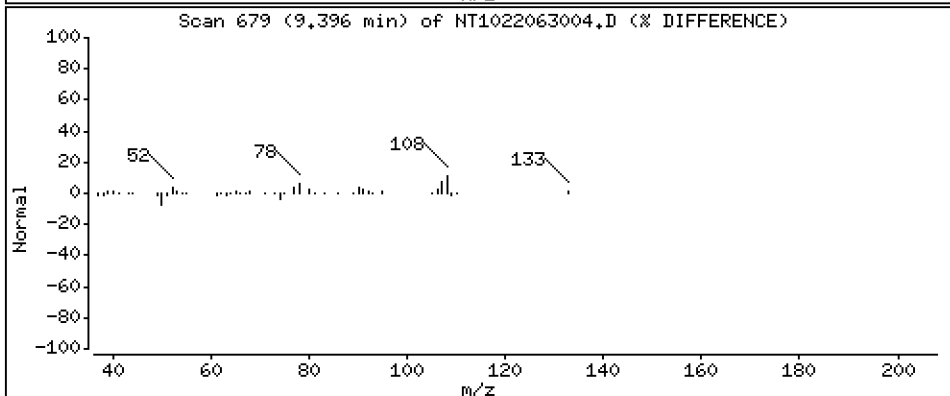
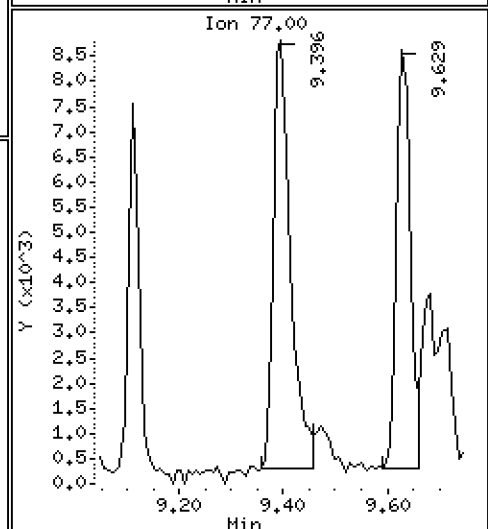
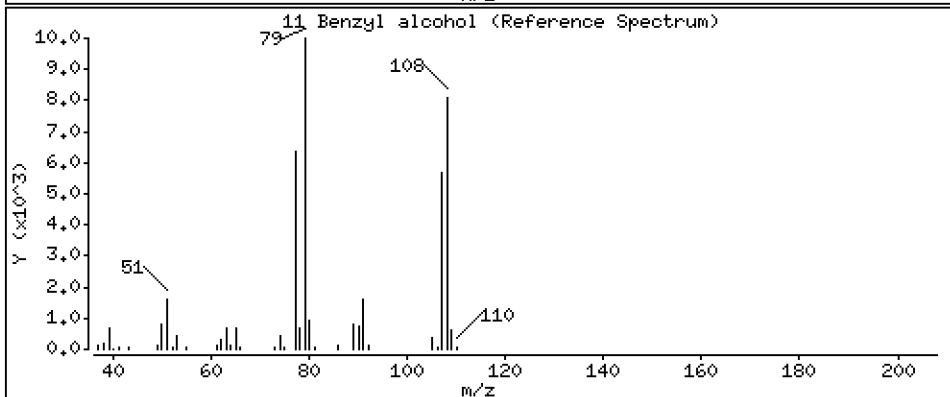
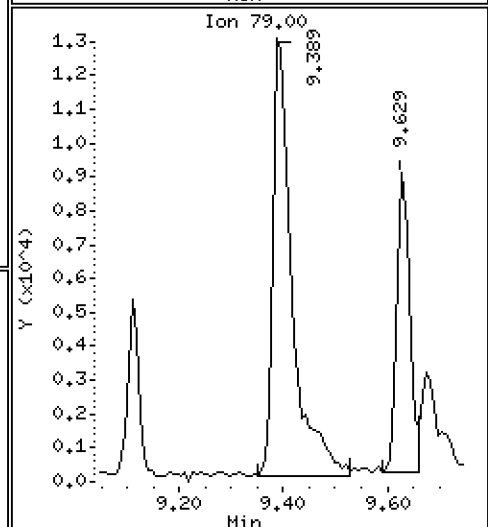
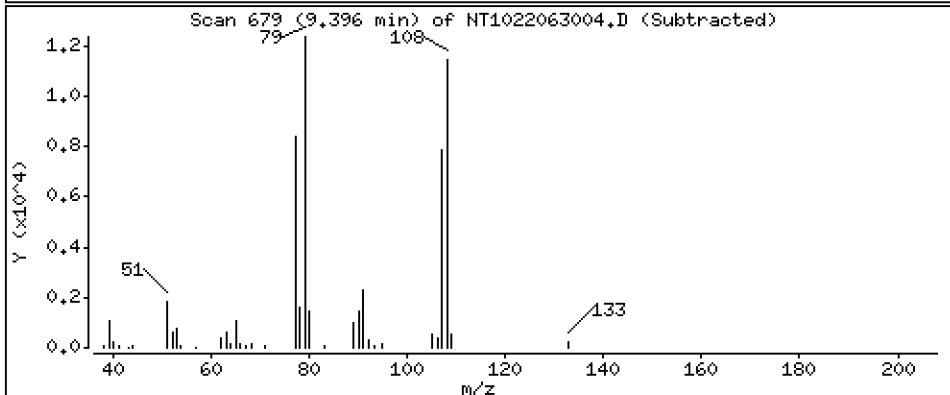
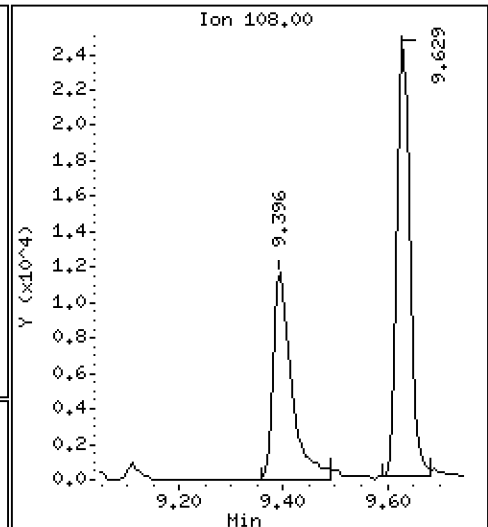
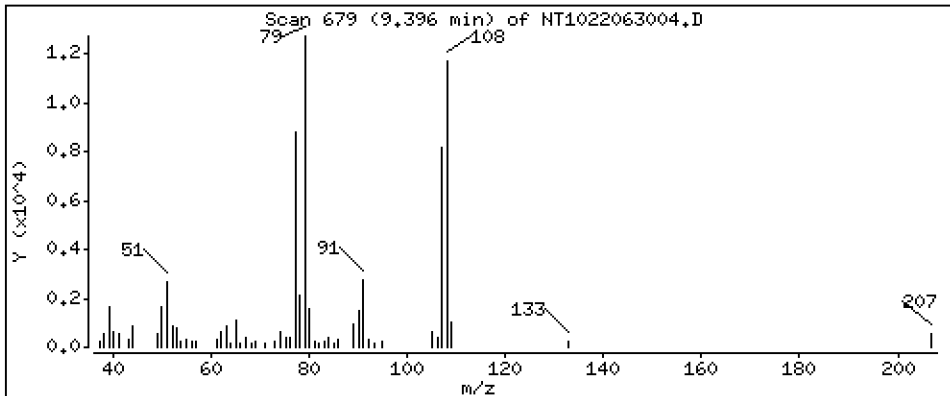
Operator: VTS

Column phase: ZB-5msi

Column diameter: 0.25

11 Benzyl alcohol

Concentration: 0.4502 ug/mL



Date : 30-JUN-2022 15:27

Client ID:

Instrument: nt10.i

Sample Info: SKG0010-LCV1

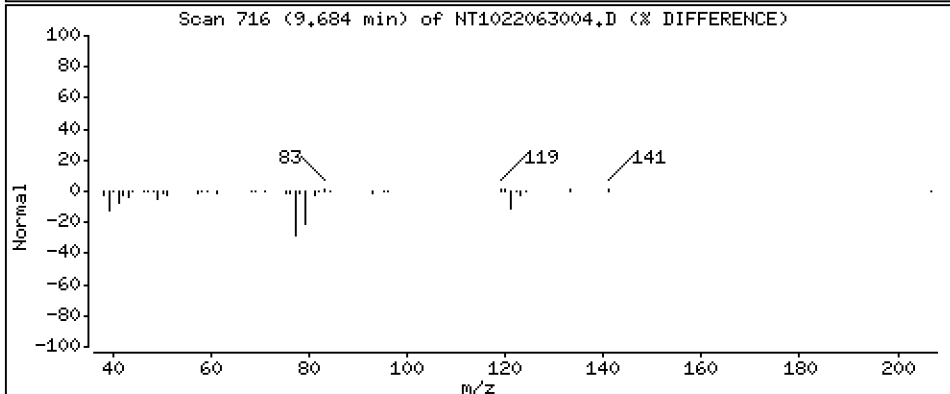
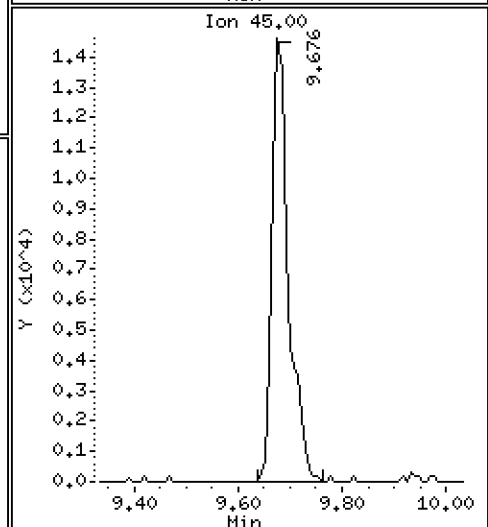
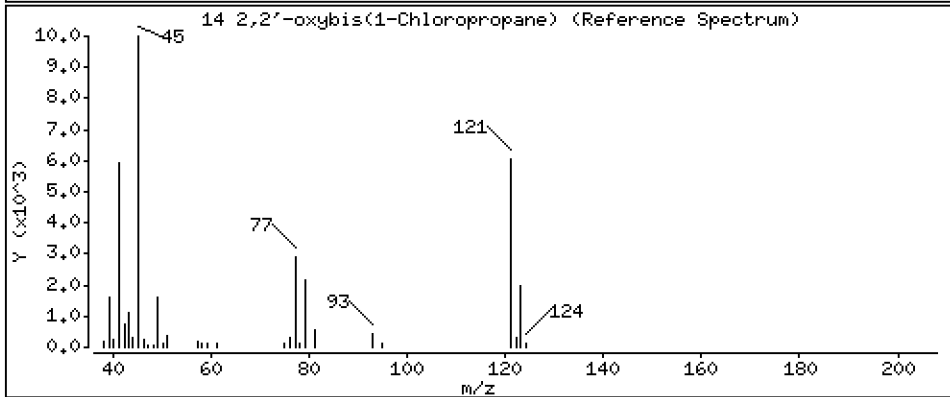
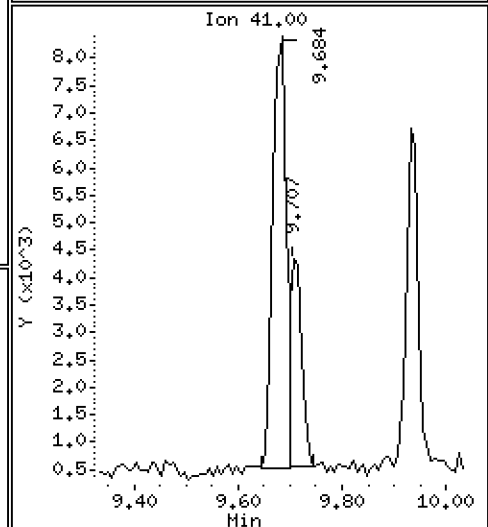
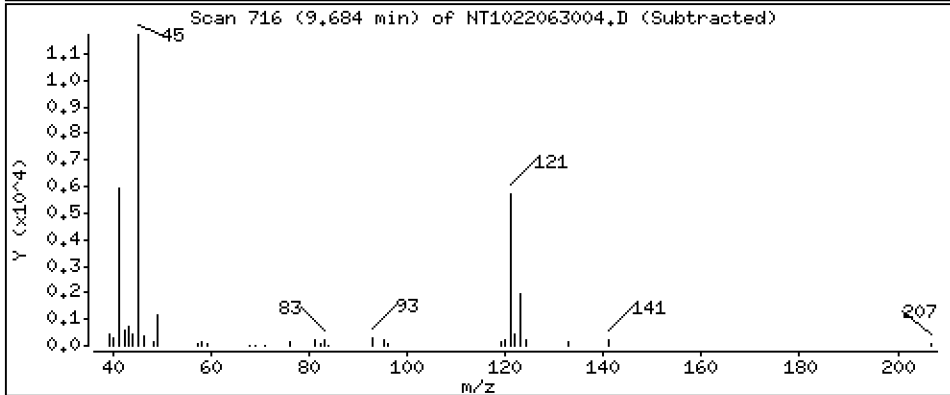
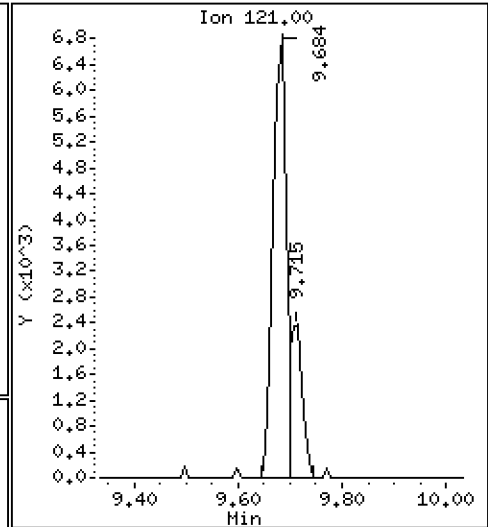
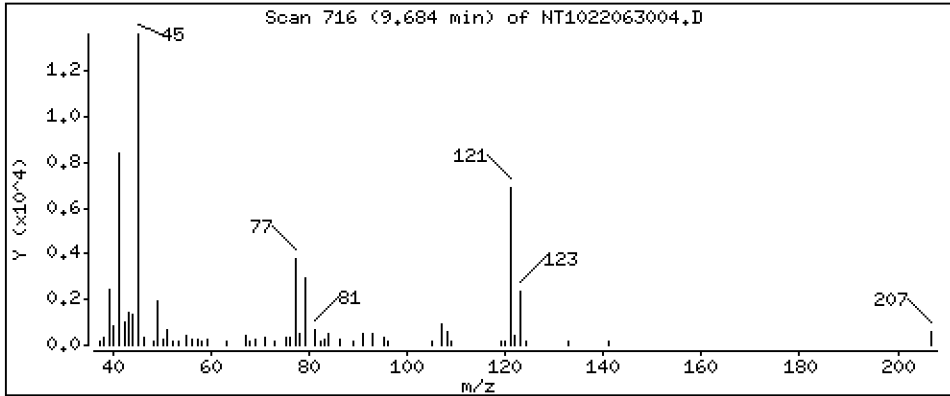
Operator: VTS

Column phase: ZB-5msi

Column diameter: 0,25

14 2,2'-oxybis(1-Chloropropane)

Concentration: 0,4384 ug/mL



Date : 30-JUN-2022 15:27

Client ID:

Instrument: nt10.i

Sample Info: SKG0010-LCV1

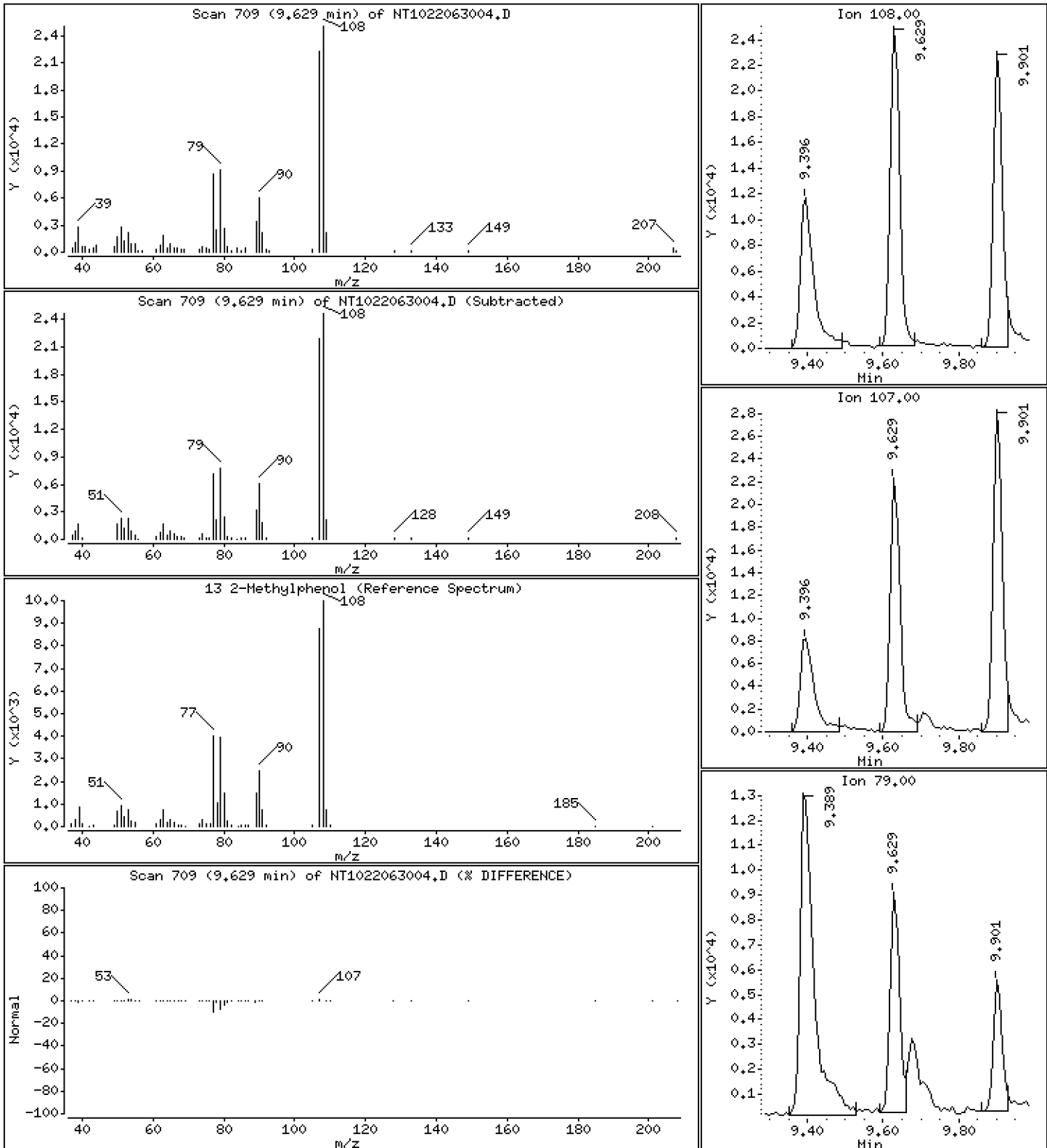
Operator: VTS

Column phase: ZB-5msi

Column diameter: 0.25

13 2-Methylphenol

Concentration: 0.4221 ug/mL



Date : 30-JUN-2022 15:27

Client ID:

Instrument: nt10.i

Sample Info: SKG0010-LCV1

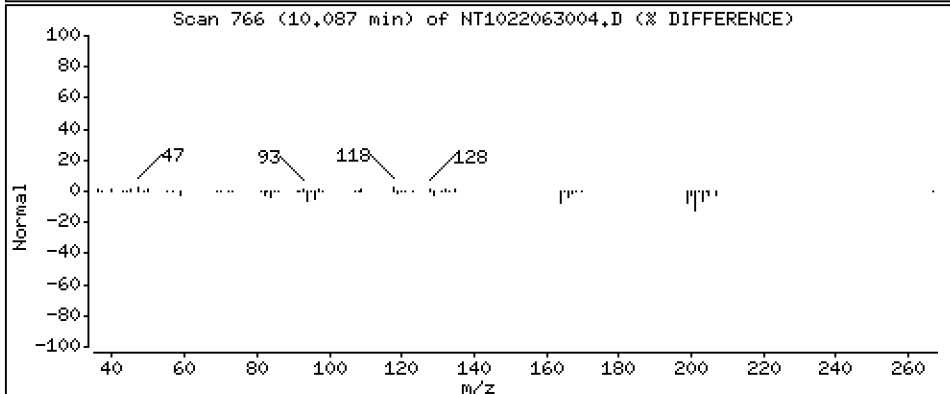
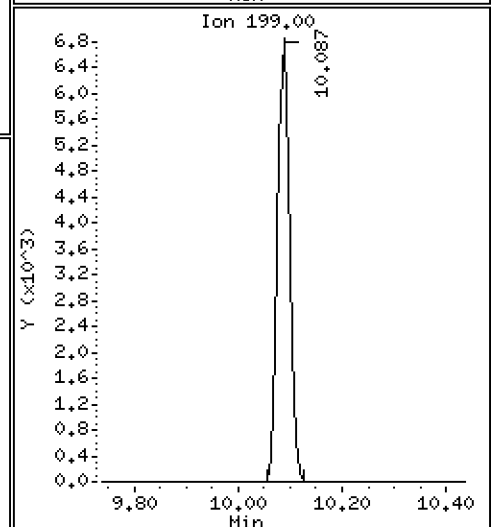
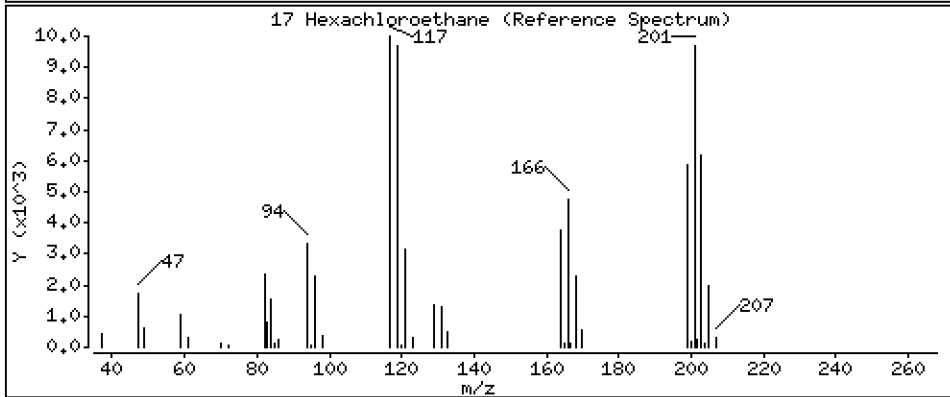
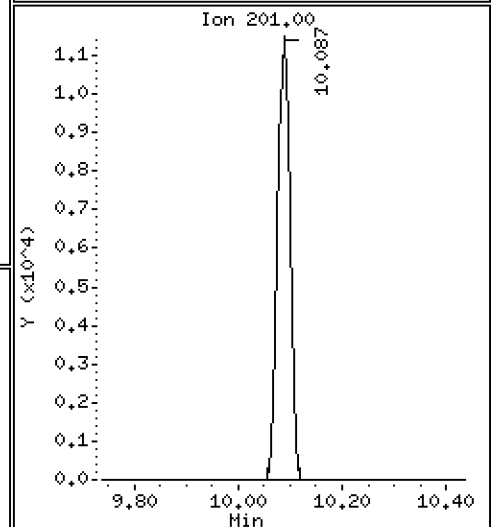
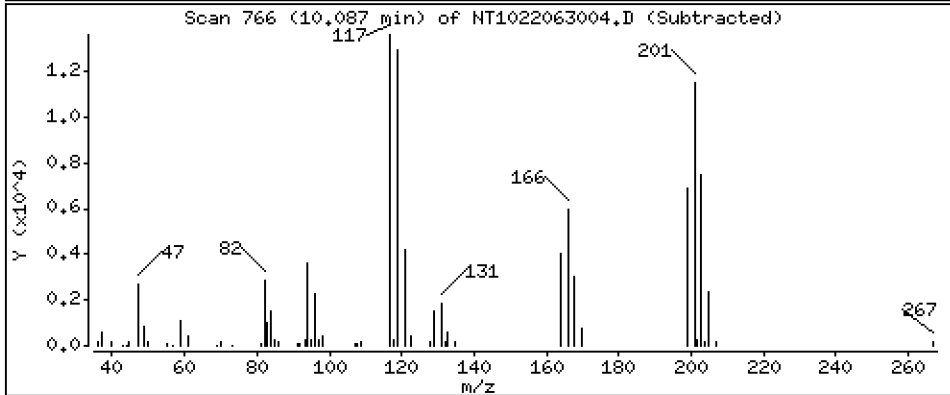
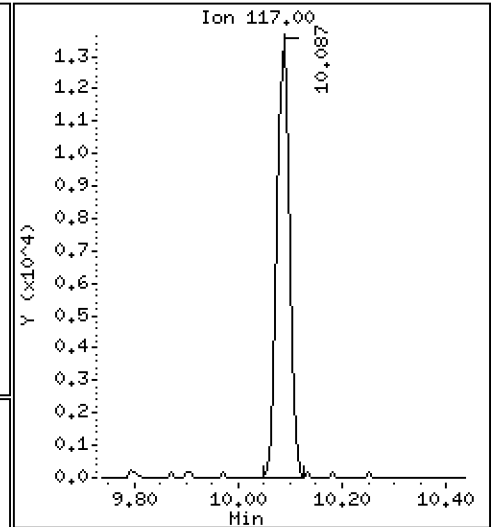
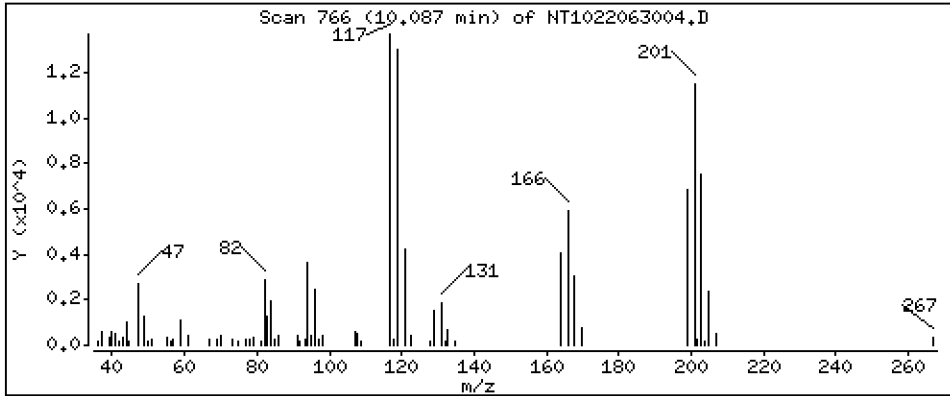
Operator: VTS

Column phase: ZB-5msi

Column diameter: 0,25

17 Hexachloroethane

Concentration: 0,4501 ug/mL



Date : 30-JUN-2022 15:27

Client ID:

Instrument: nt10.i

Sample Info: SKG0010-LCV1

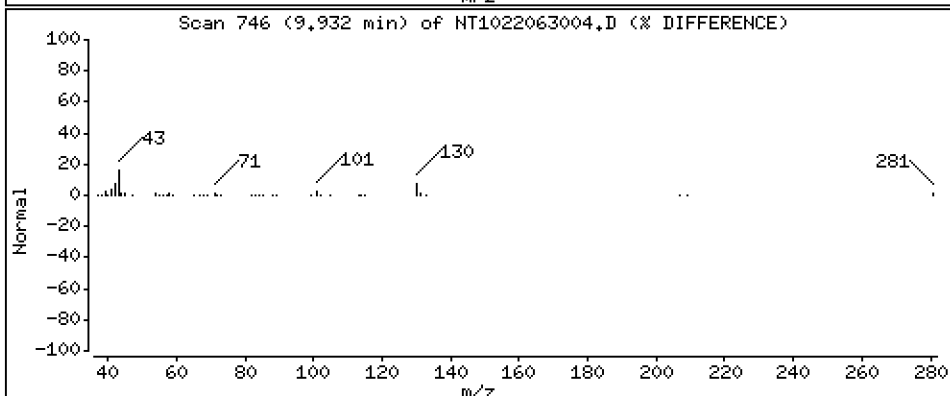
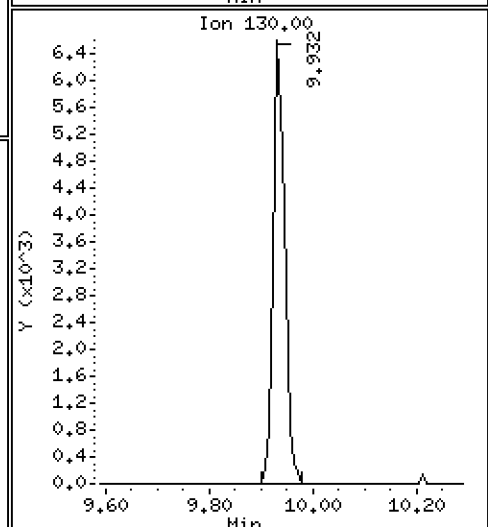
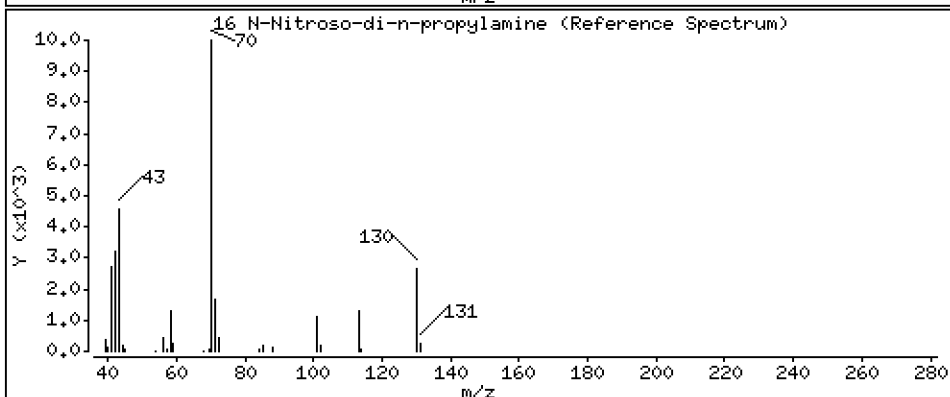
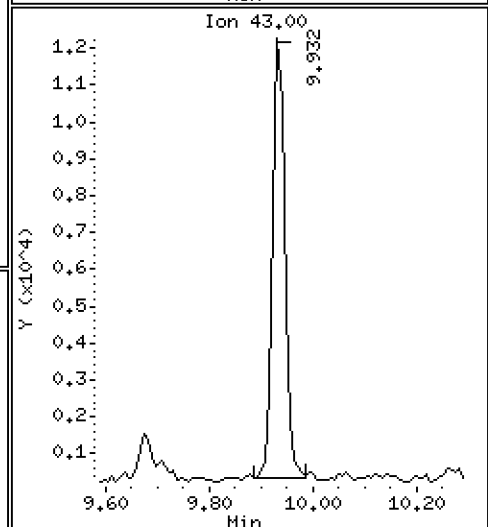
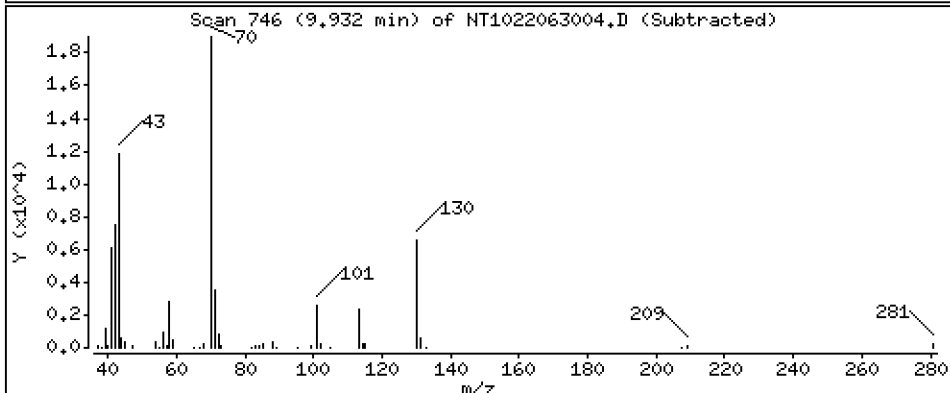
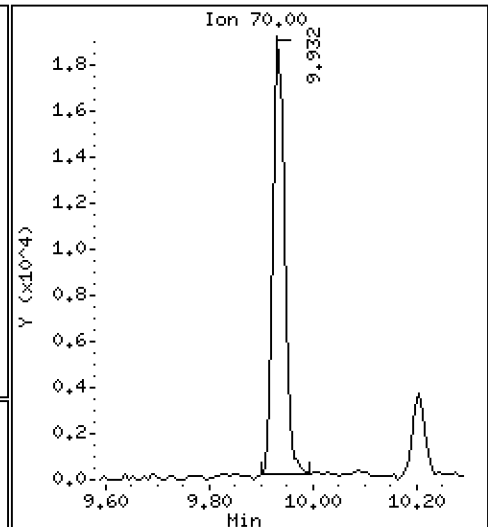
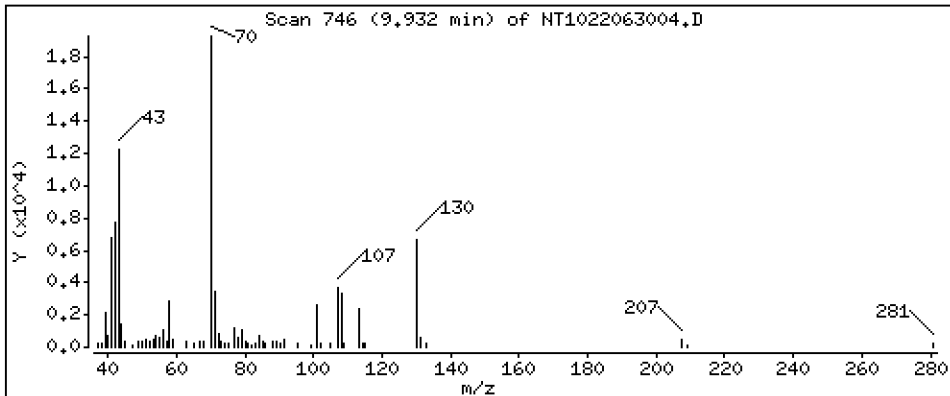
Operator: VTS

Column phase: ZB-5msi

Column diameter: 0,25

16 N-Nitroso-di-n-propylamine

Concentration: 0,4130 ug/mL



Date : 30-JUN-2022 15:27

Client ID:

Instrument: nt10.i

Sample Info: SKG0010-LCV1

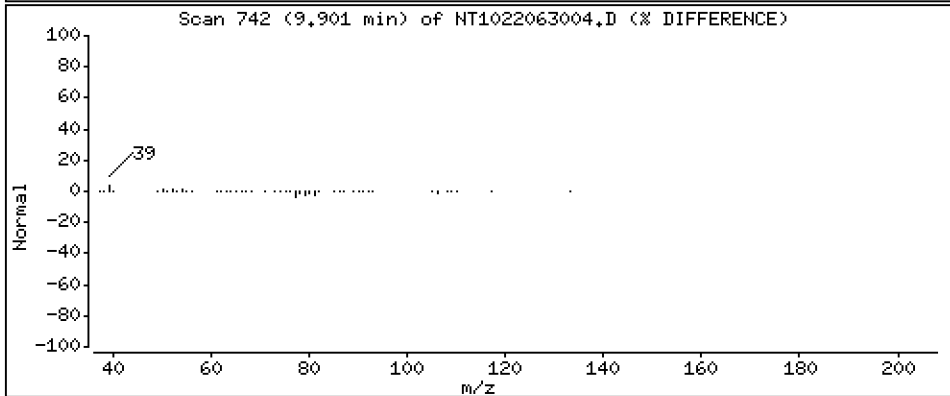
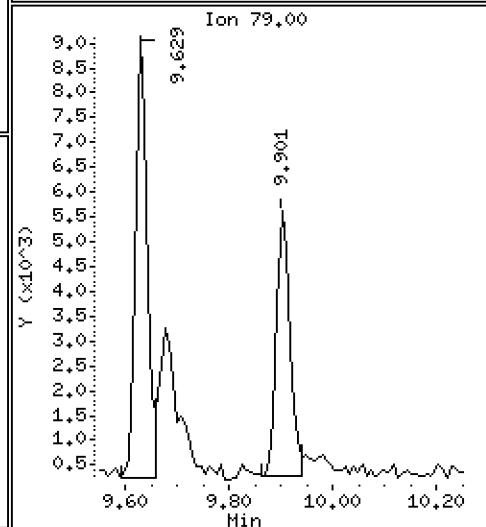
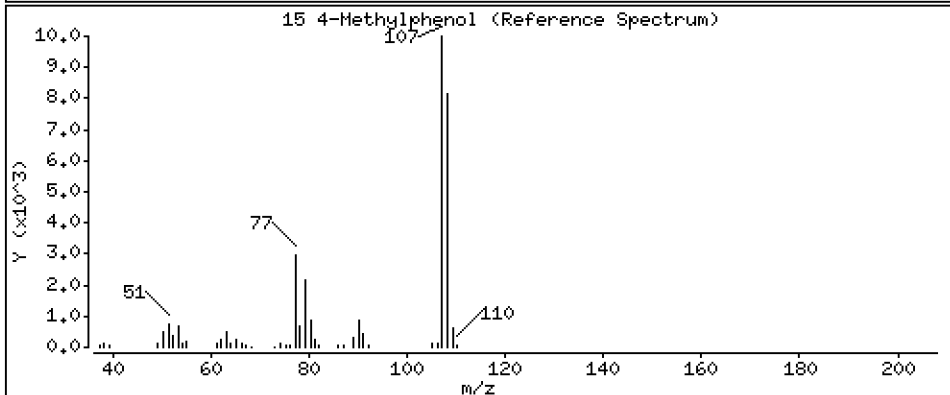
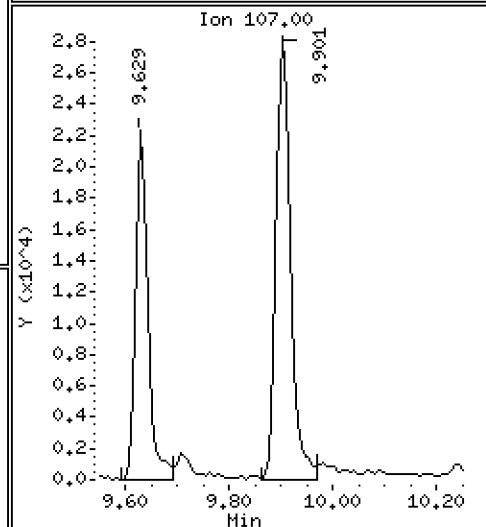
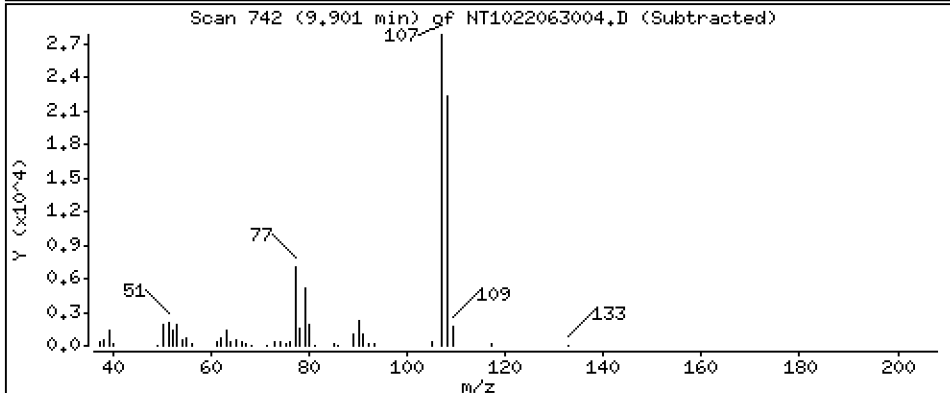
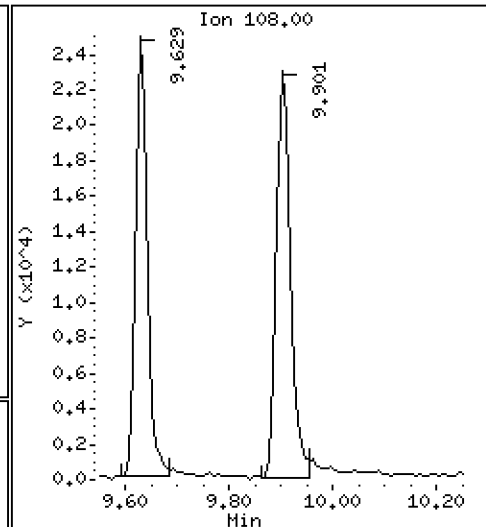
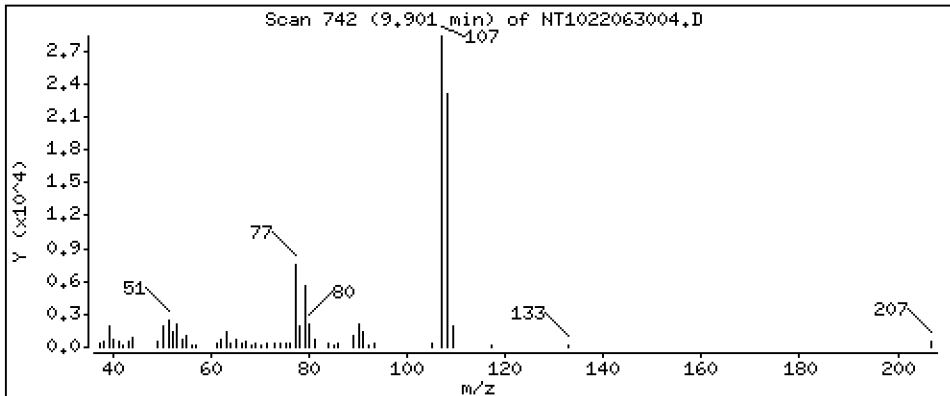
Operator: VTS

Column phase: ZB-5msi

Column diameter: 0,25

15 4-Methylphenol

Concentration: 0,4040 ug/mL



Date : 30-JUN-2022 15:27

Client ID:

Instrument: nt10.i

Sample Info: SKG0010-LCV1

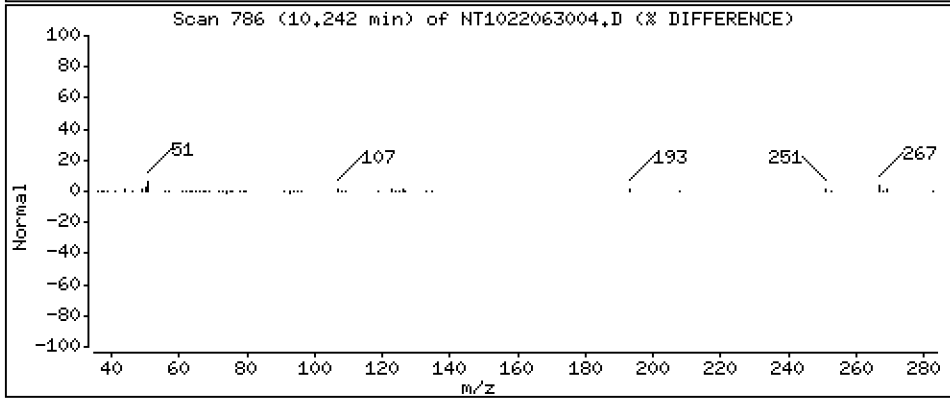
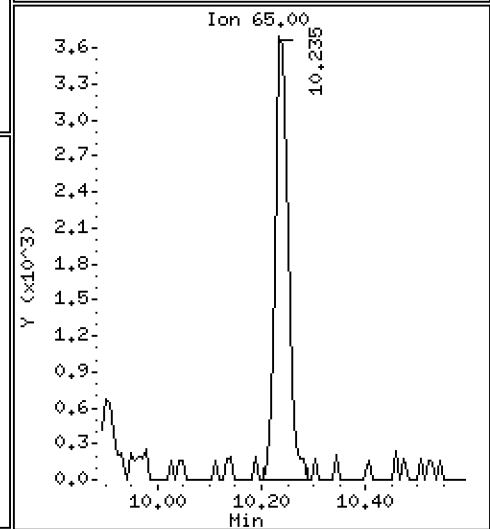
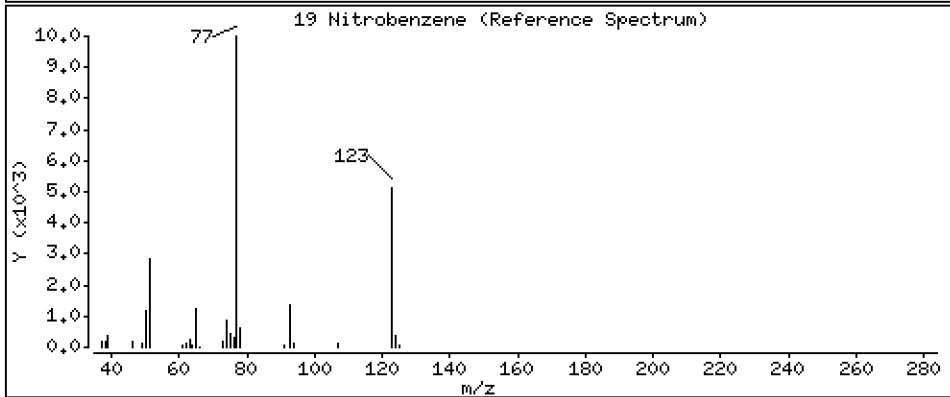
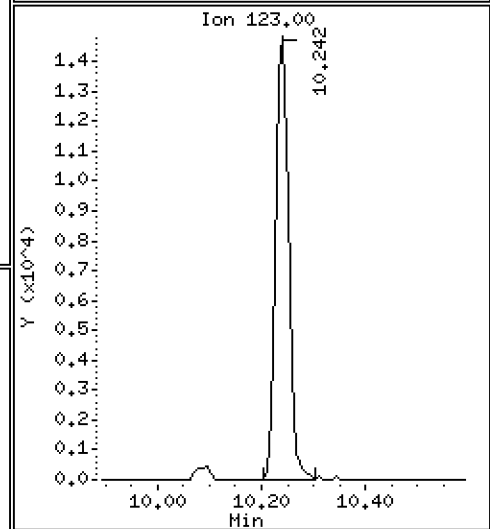
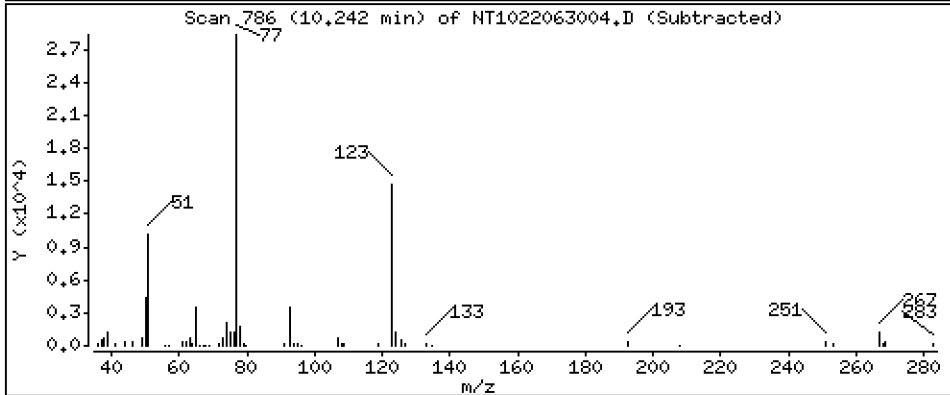
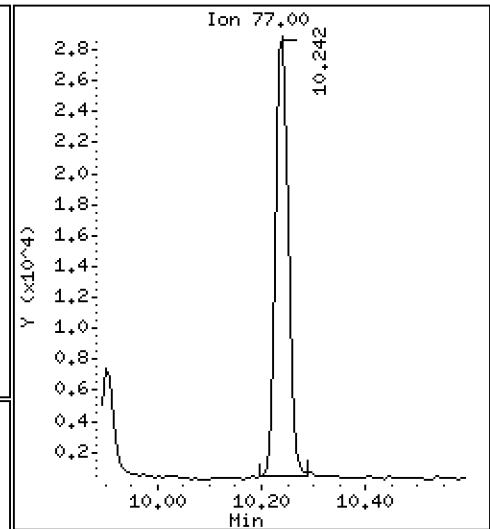
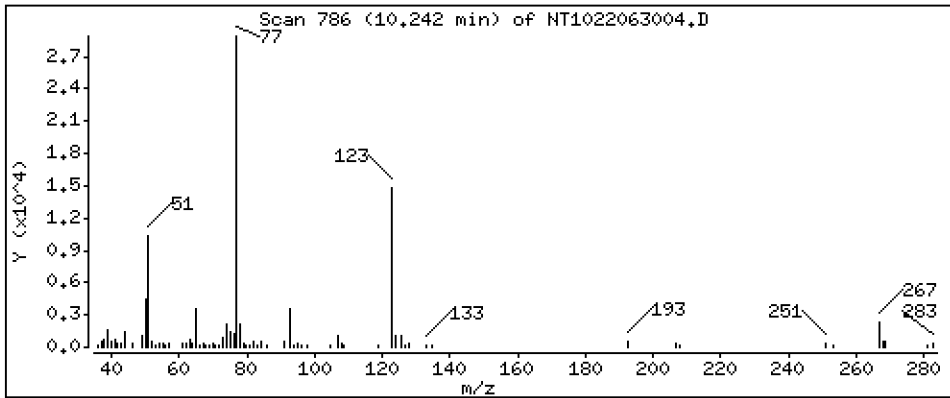
Operator: VTS

Column phase: ZB-5msi

Column diameter: 0,25

19 Nitrobenzene

Concentration: 0,4098 ug/mL



Date : 30-JUN-2022 15:27

Client ID:

Instrument: nt10.i

Sample Info: SKG0010-LCV1

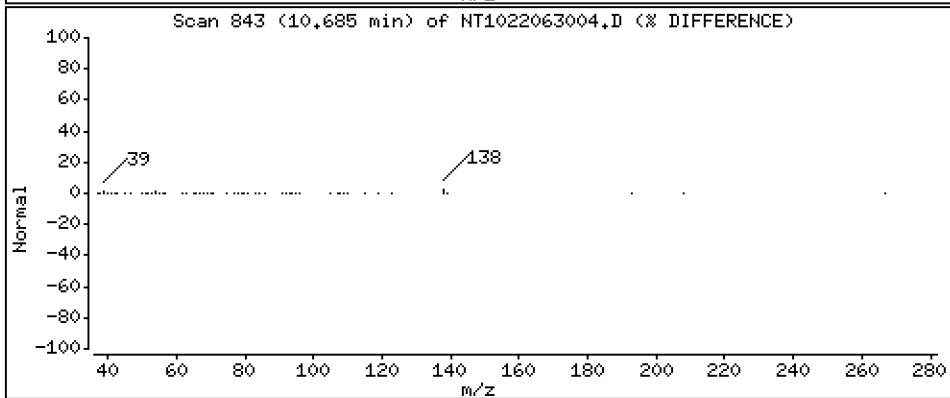
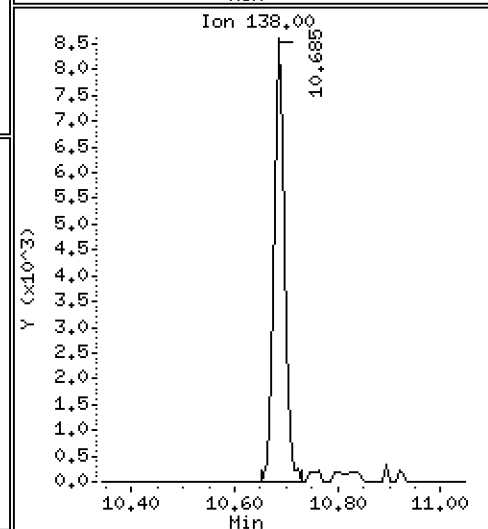
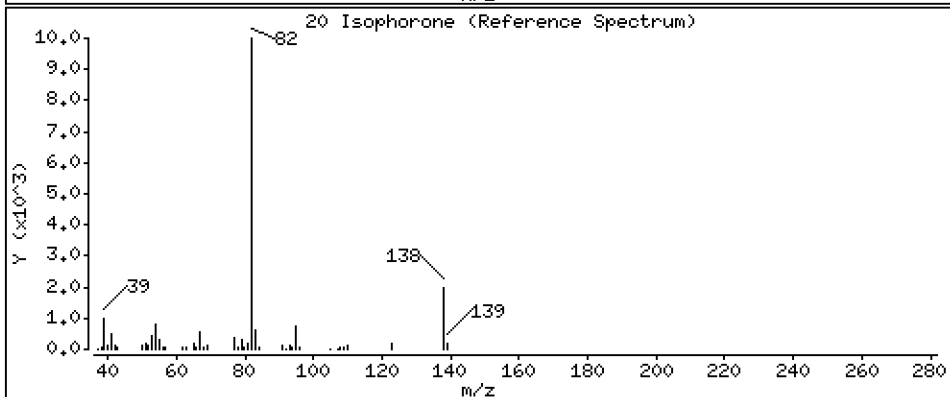
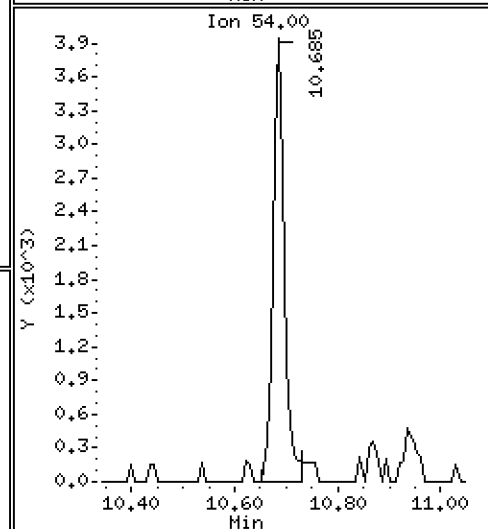
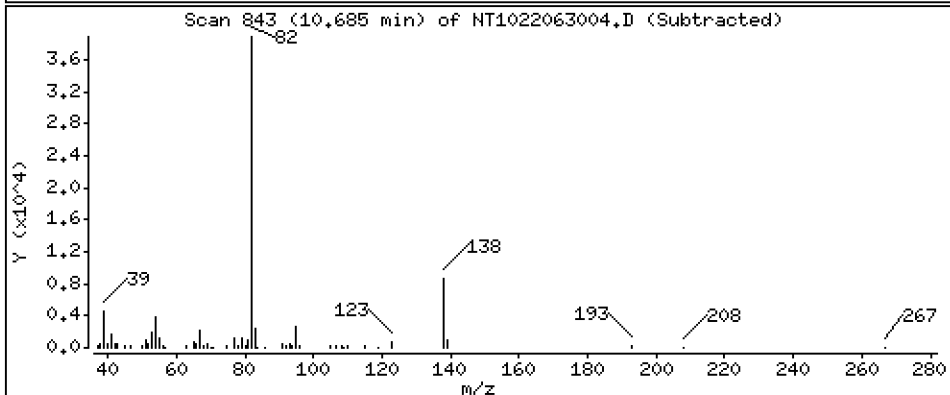
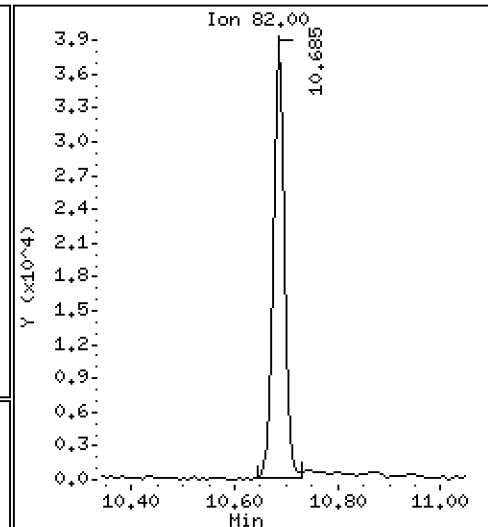
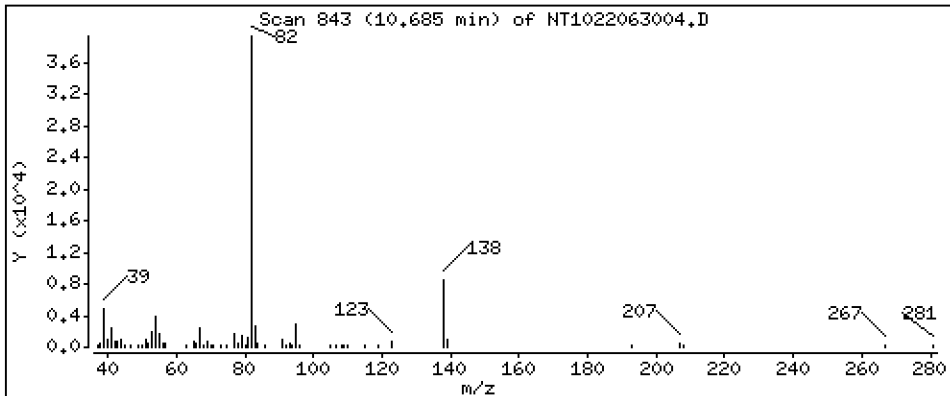
Operator: VTS

Column phase: ZB-5msi

Column diameter: 0,25

20 Isophorone

Concentration: 0,3606 ug/mL



Date : 30-JUN-2022 15:27

Client ID:

Instrument: nt10.i

Sample Info: SKG0010-LCV1

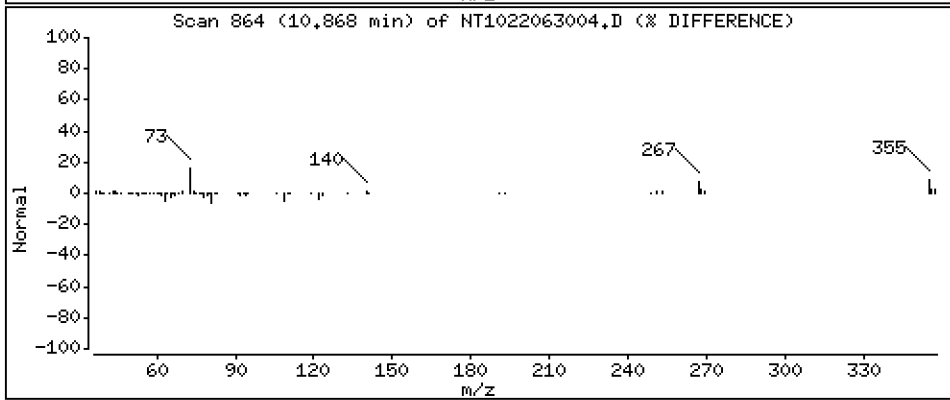
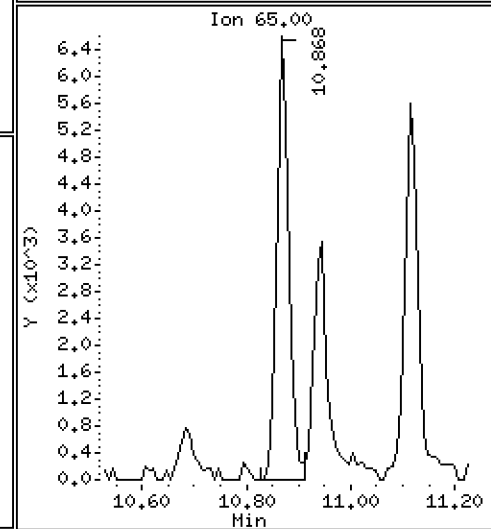
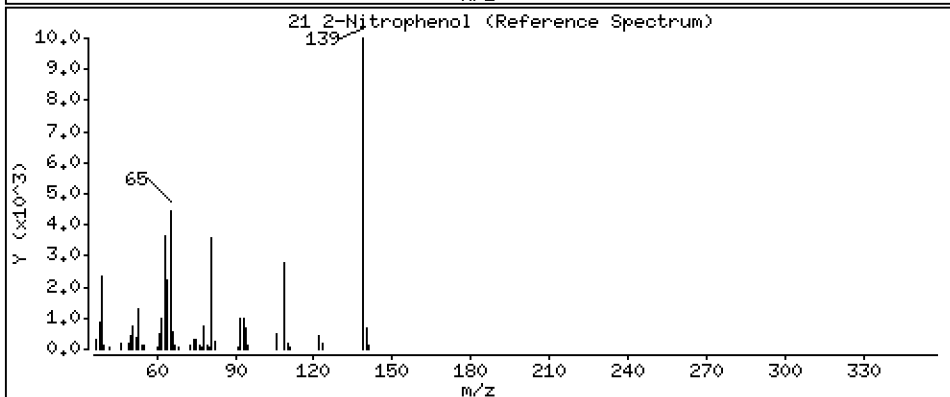
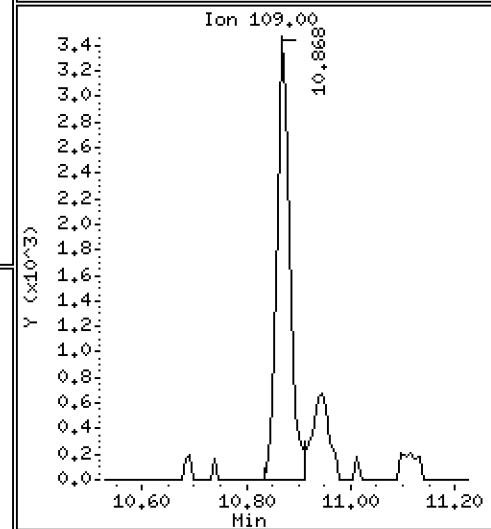
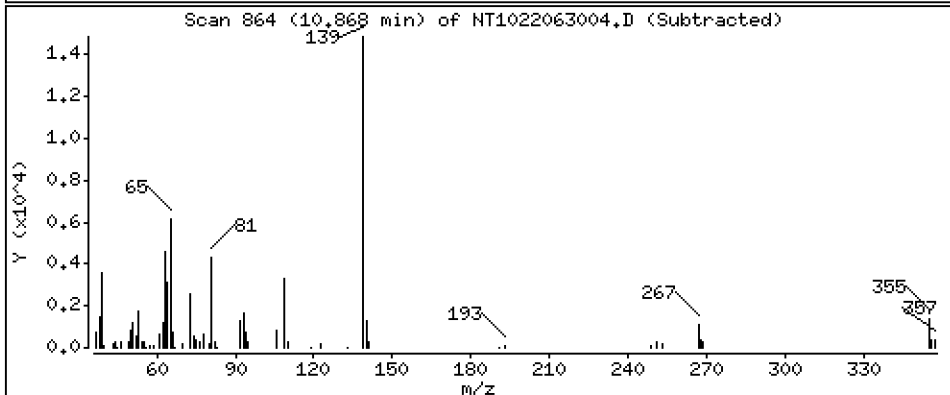
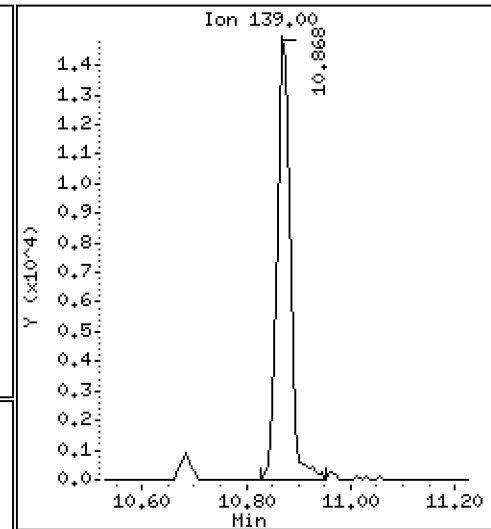
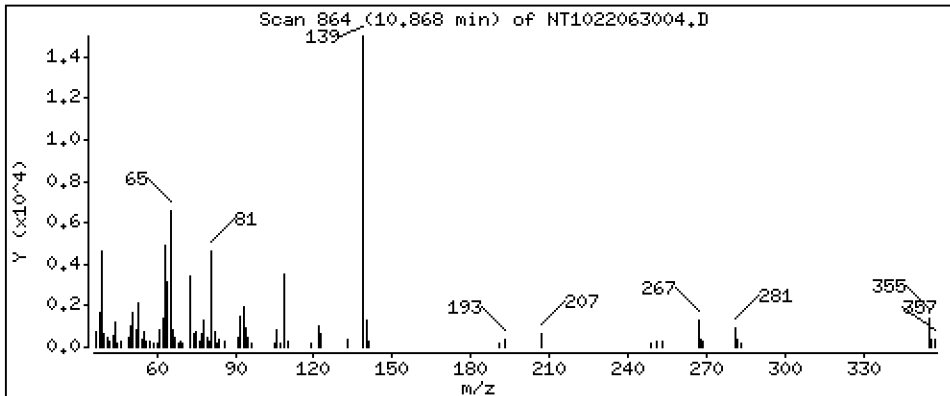
Operator: VTS

Column phase: ZB-5msi

Column diameter: 0,25

21 2-Nitrophenol

Concentration: 0,3661 ug/mL



Date : 30-JUN-2022 15:27

Client ID:

Instrument: nt10.i

Sample Info: SKG0010-LCV1

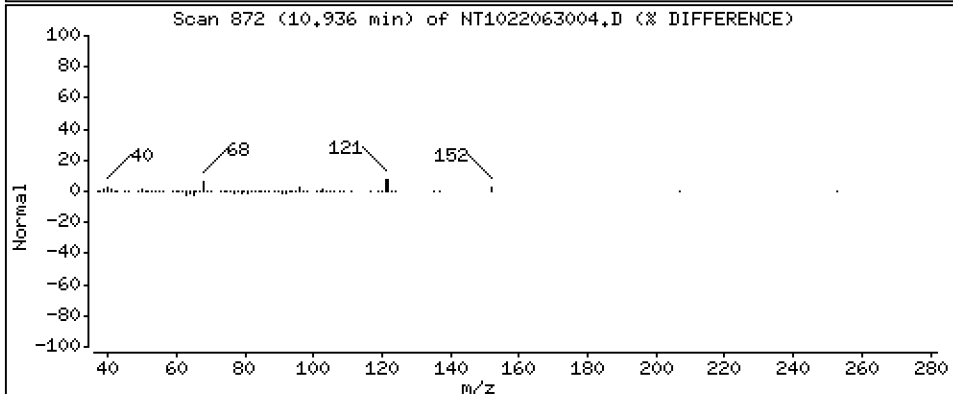
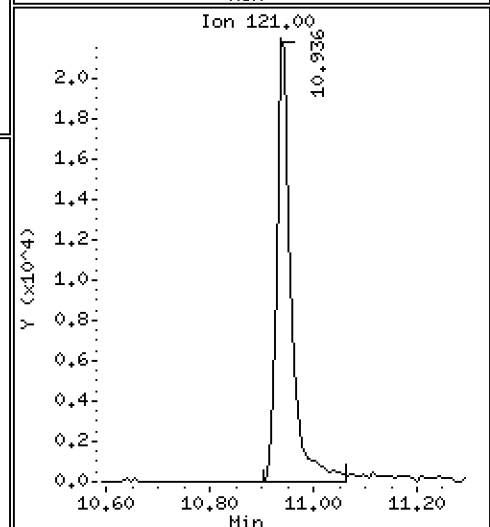
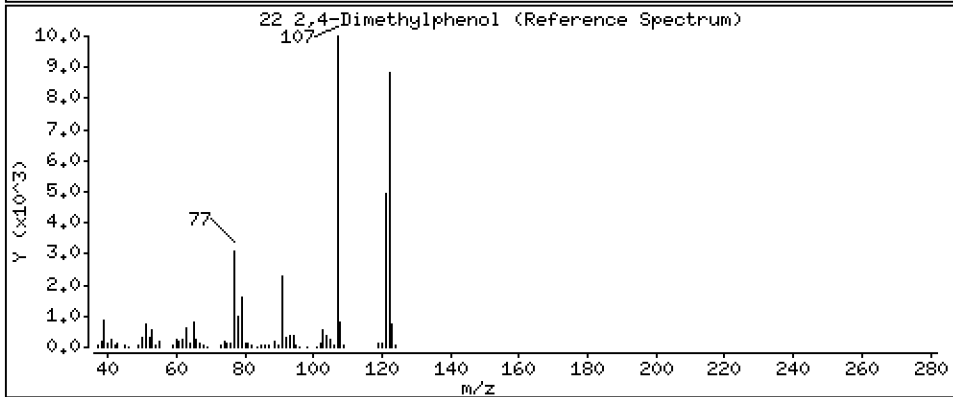
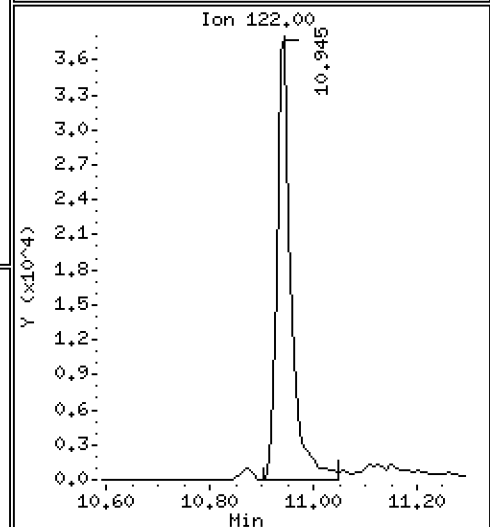
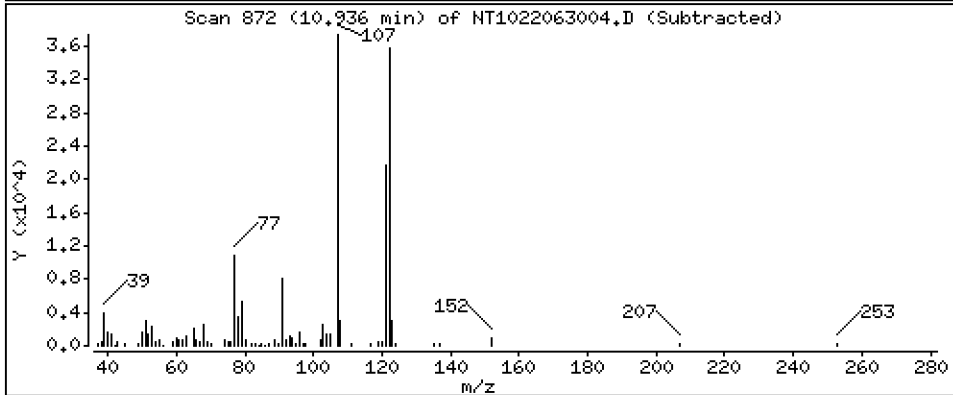
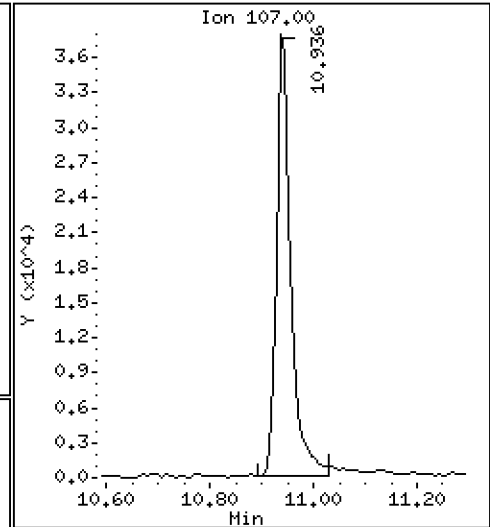
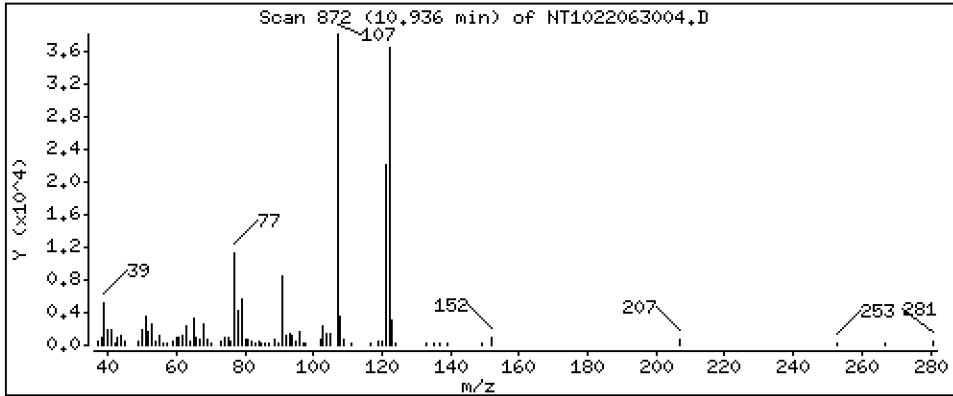
Operator: VTS

Column phase: ZB-5msi

Column diameter: 0,25

22 2,4-Dimethylphenol

Concentration: 0,8520 ug/mL



Date : 30-JUN-2022 15:27

Client ID:

Instrument: nt10.i

Sample Info: SKG0010-LCV1

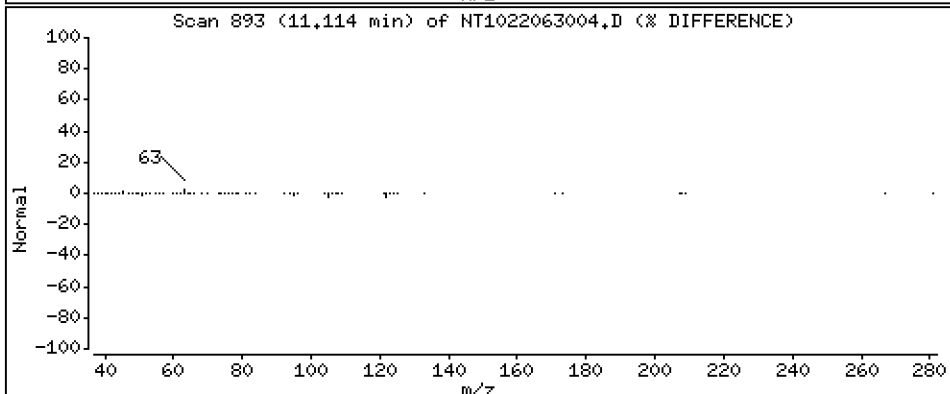
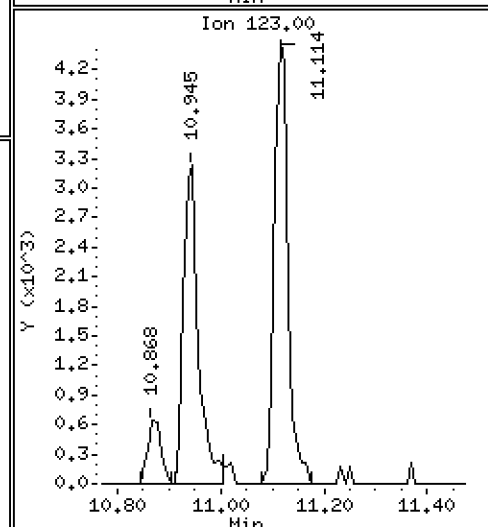
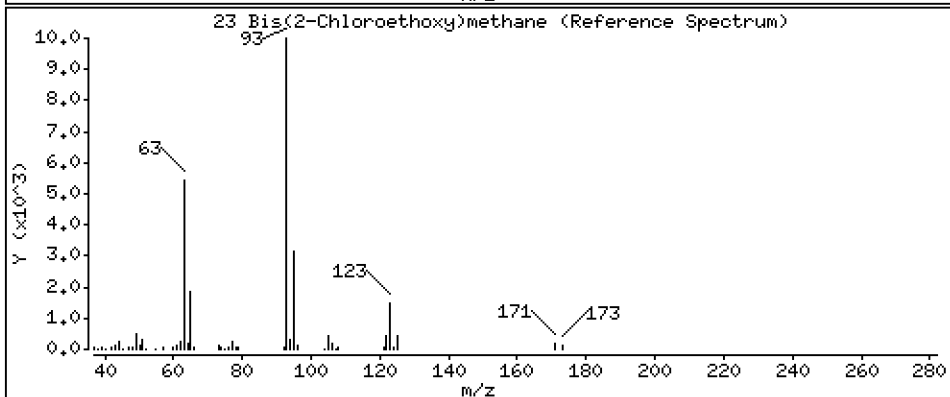
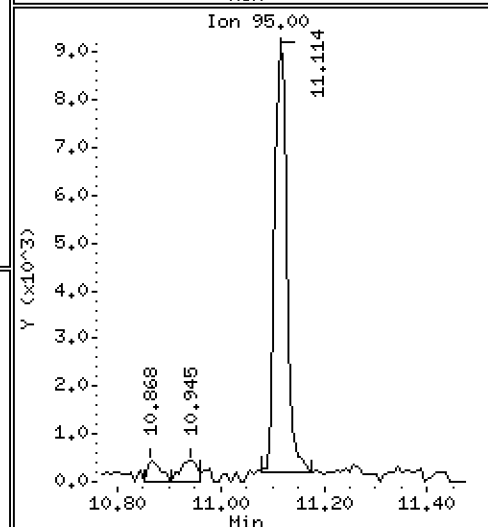
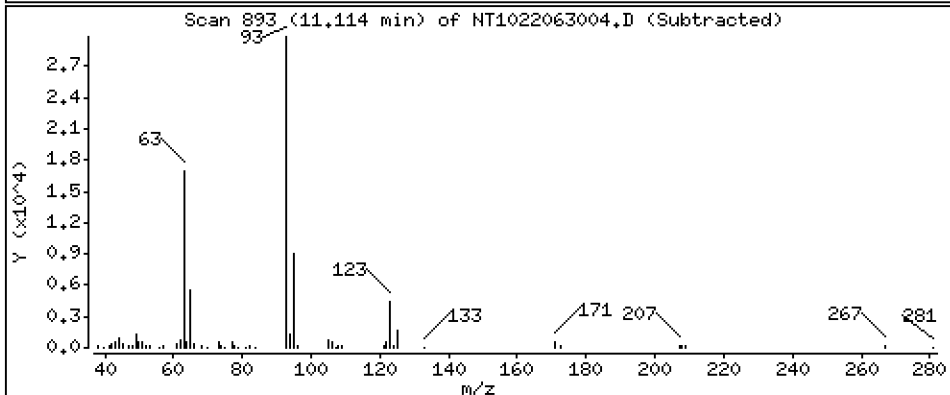
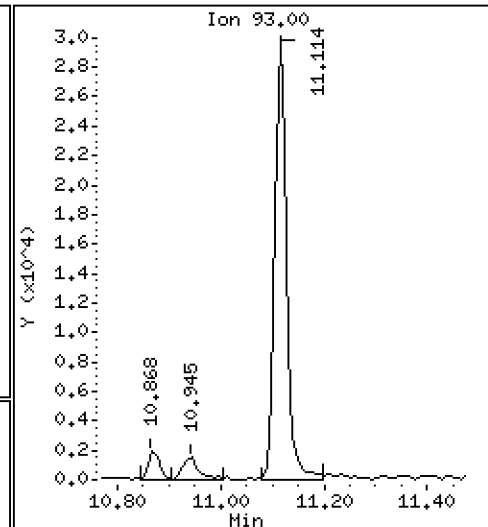
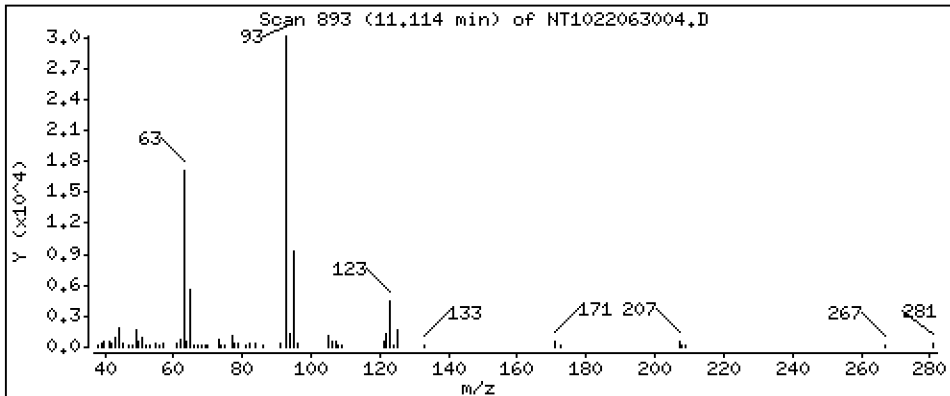
Operator: VTS

Column phase: ZB-5msi

Column diameter: 0,25

23 Bis(2-Chloroethoxy)methane

Concentration: 0,4798 ug/mL



Date : 30-JUN-2022 15:27

Client ID:

Instrument: nt10.i

Sample Info: SKG0010-LCV1

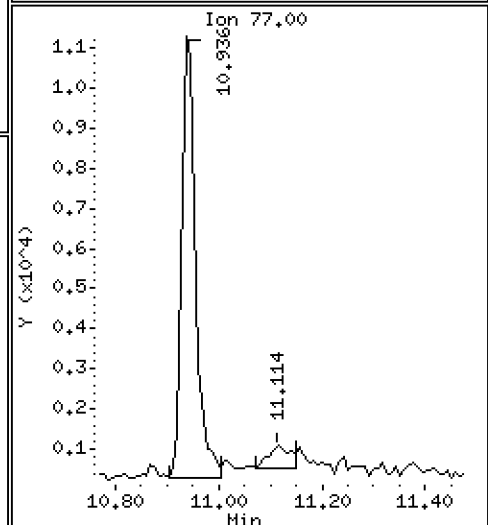
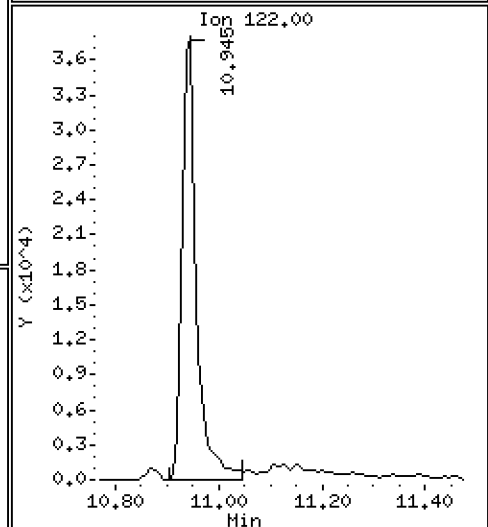
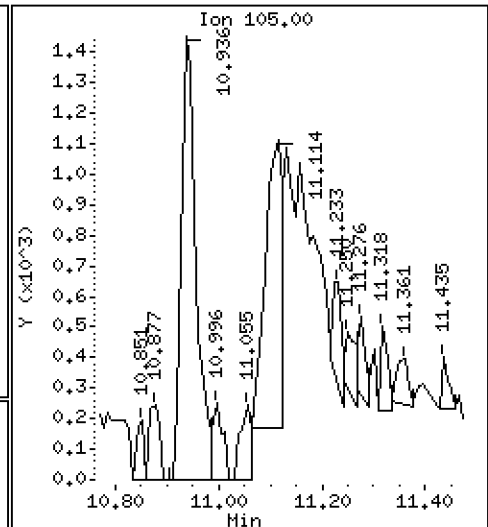
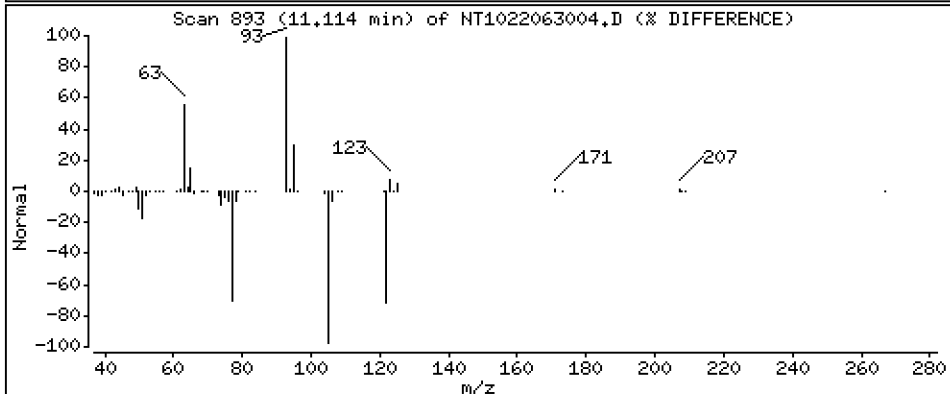
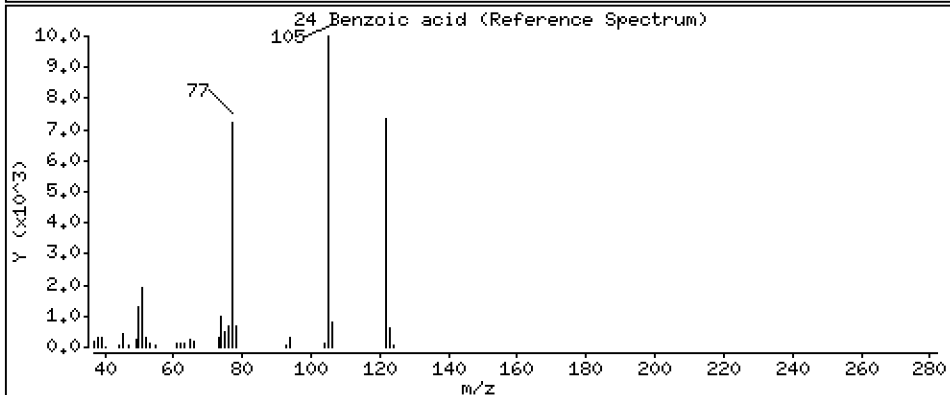
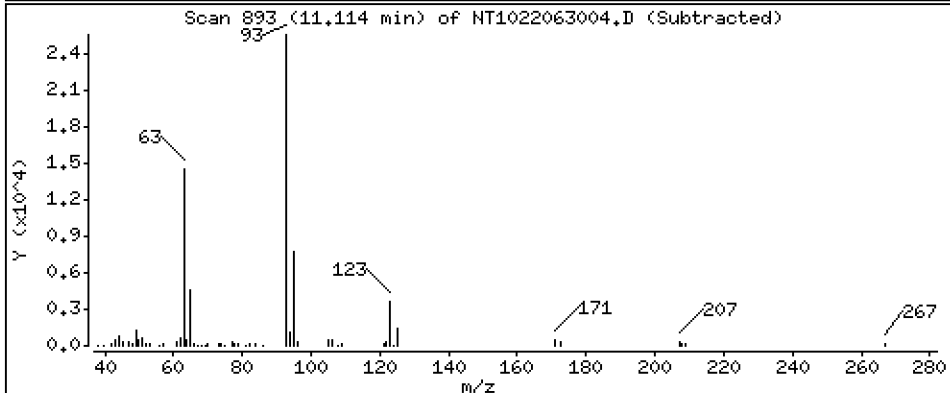
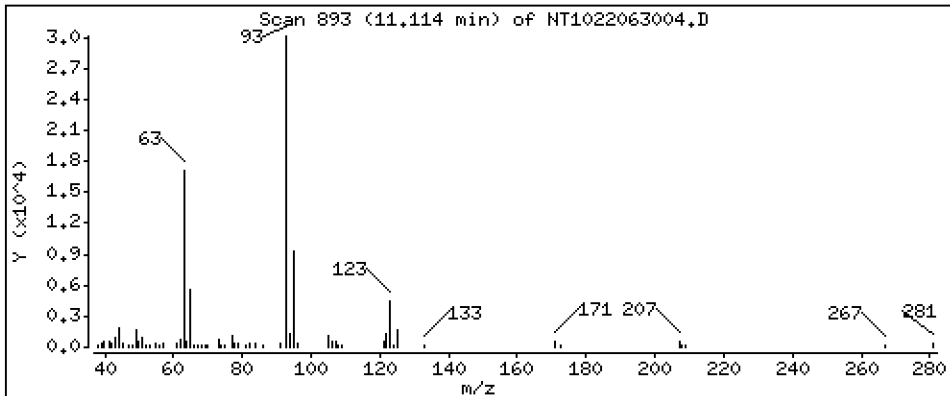
Operator: VTS

Column phase: ZB-5msi

Column diameter: 0.25

24 Benzoic acid

Concentration: 0.04871 ug/mL



Date : 30-JUN-2022 15:27

Client ID:

Instrument: nt10.i

Sample Info: SKG0010-LCV1

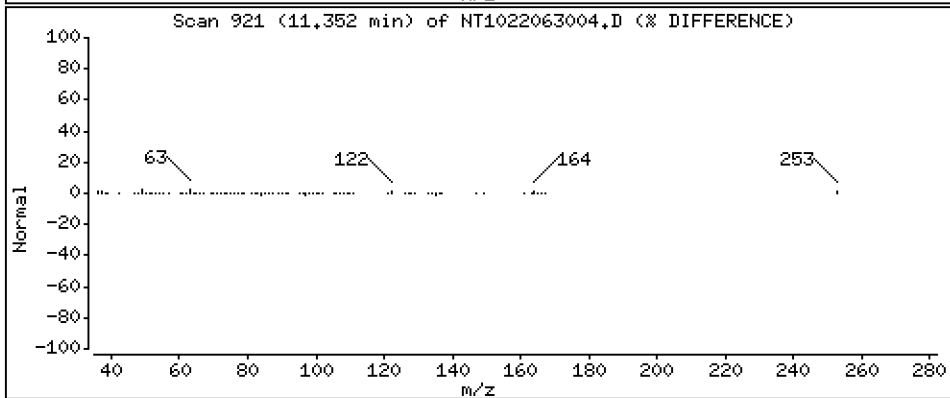
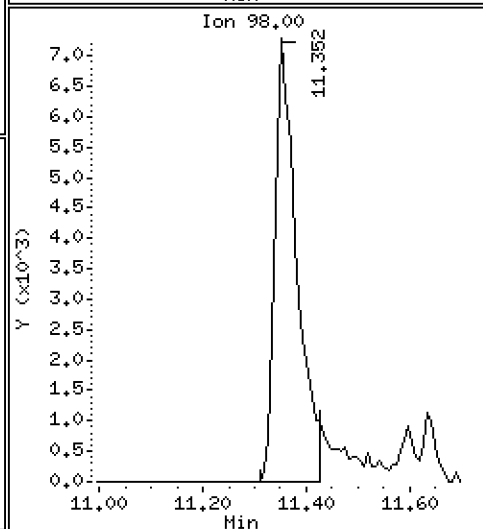
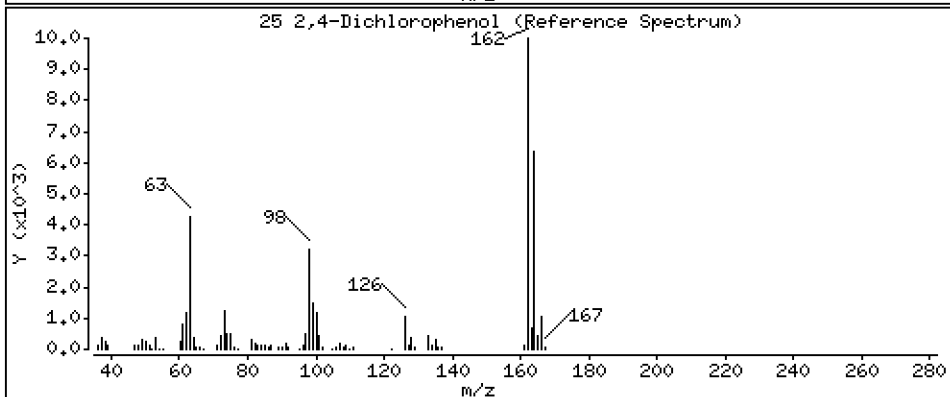
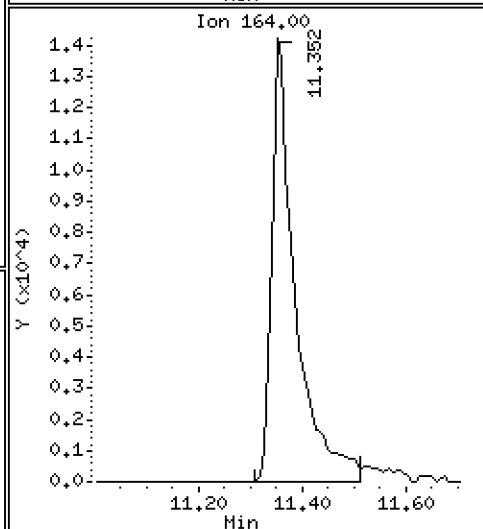
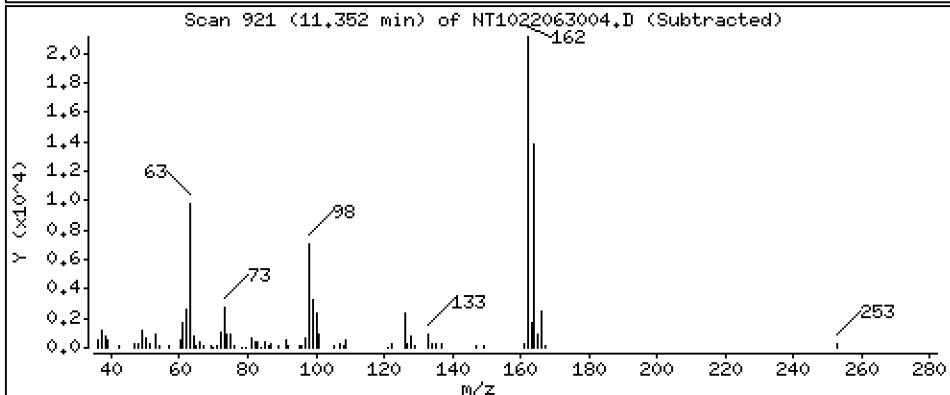
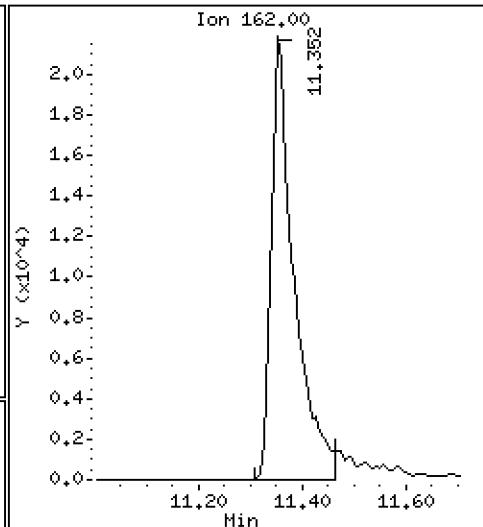
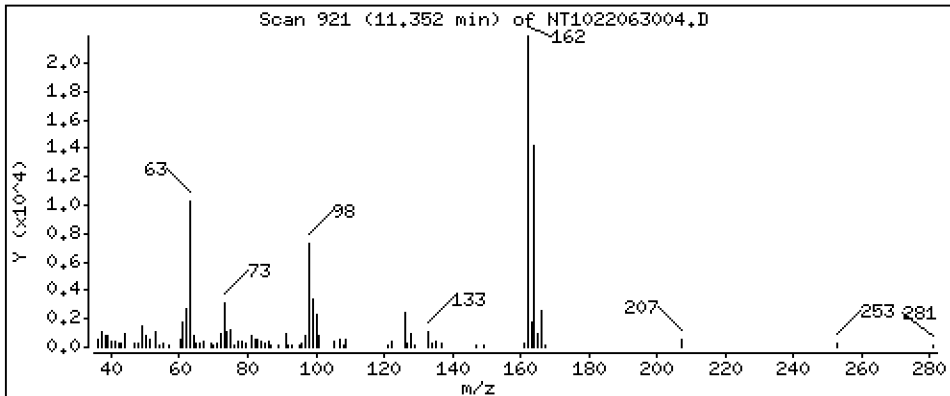
Operator: VTS

Column phase: ZB-5msi

Column diameter: 0,25

25 2,4-Dichlorophenol

Concentration: 0,7800 ug/mL



Date : 30-JUN-2022 15:27

Client ID:

Instrument: nt10.i

Sample Info: SKG0010-LCV1

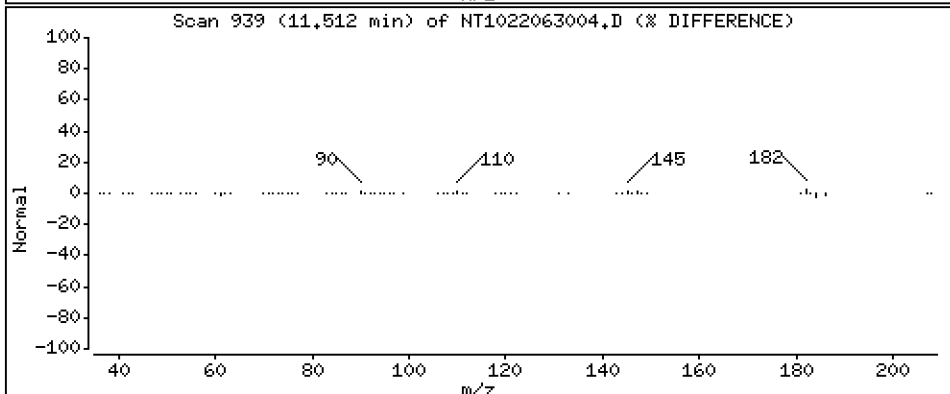
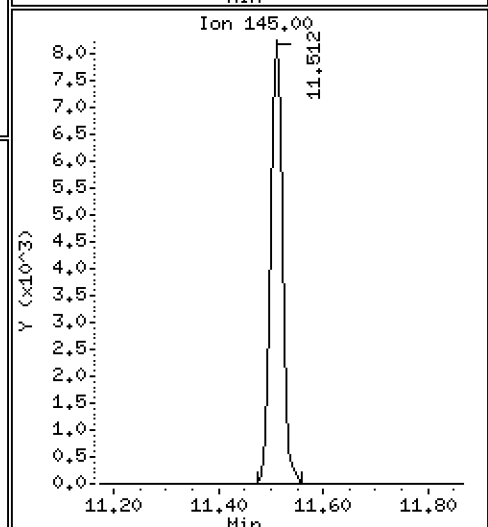
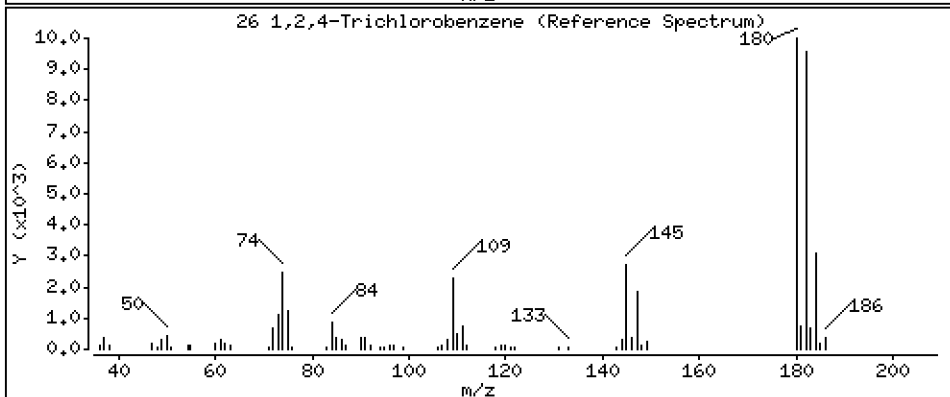
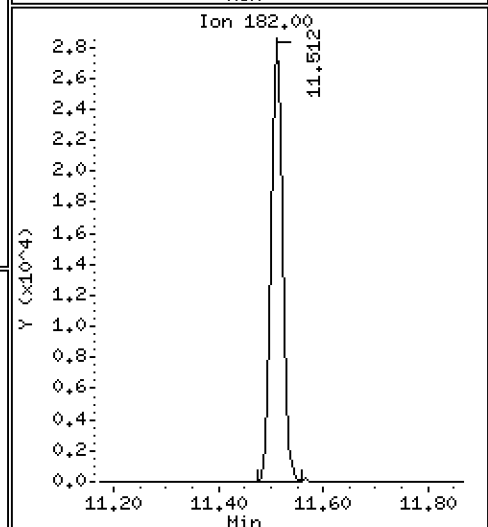
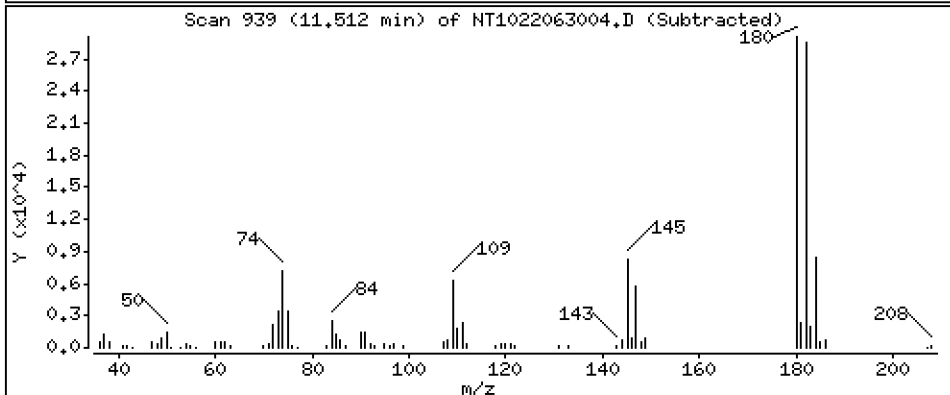
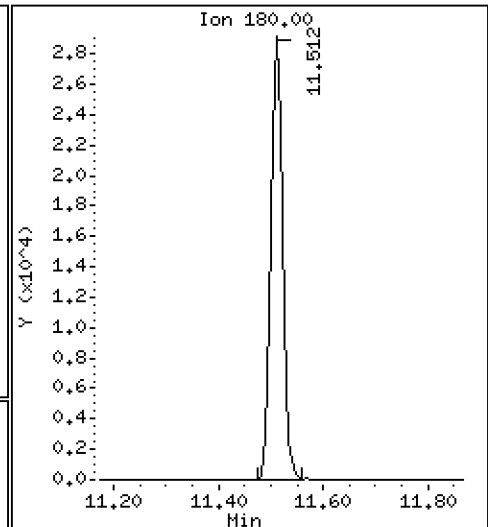
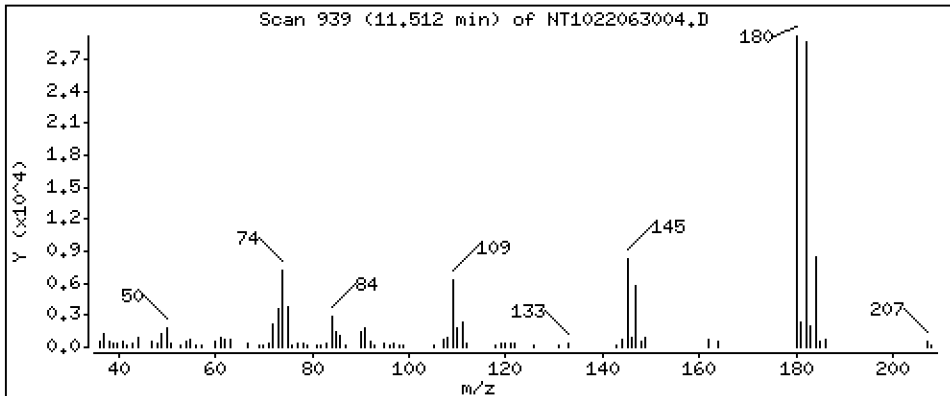
Operator: VTS

Column phase: ZB-5msi

Column diameter: 0,25

26 1,2,4-Trichlorobenzene

Concentration: 0,5022 ug/mL



Date : 30-JUN-2022 15:27

Client ID:

Instrument: nt10.i

Sample Info: SKG0010-LCV1

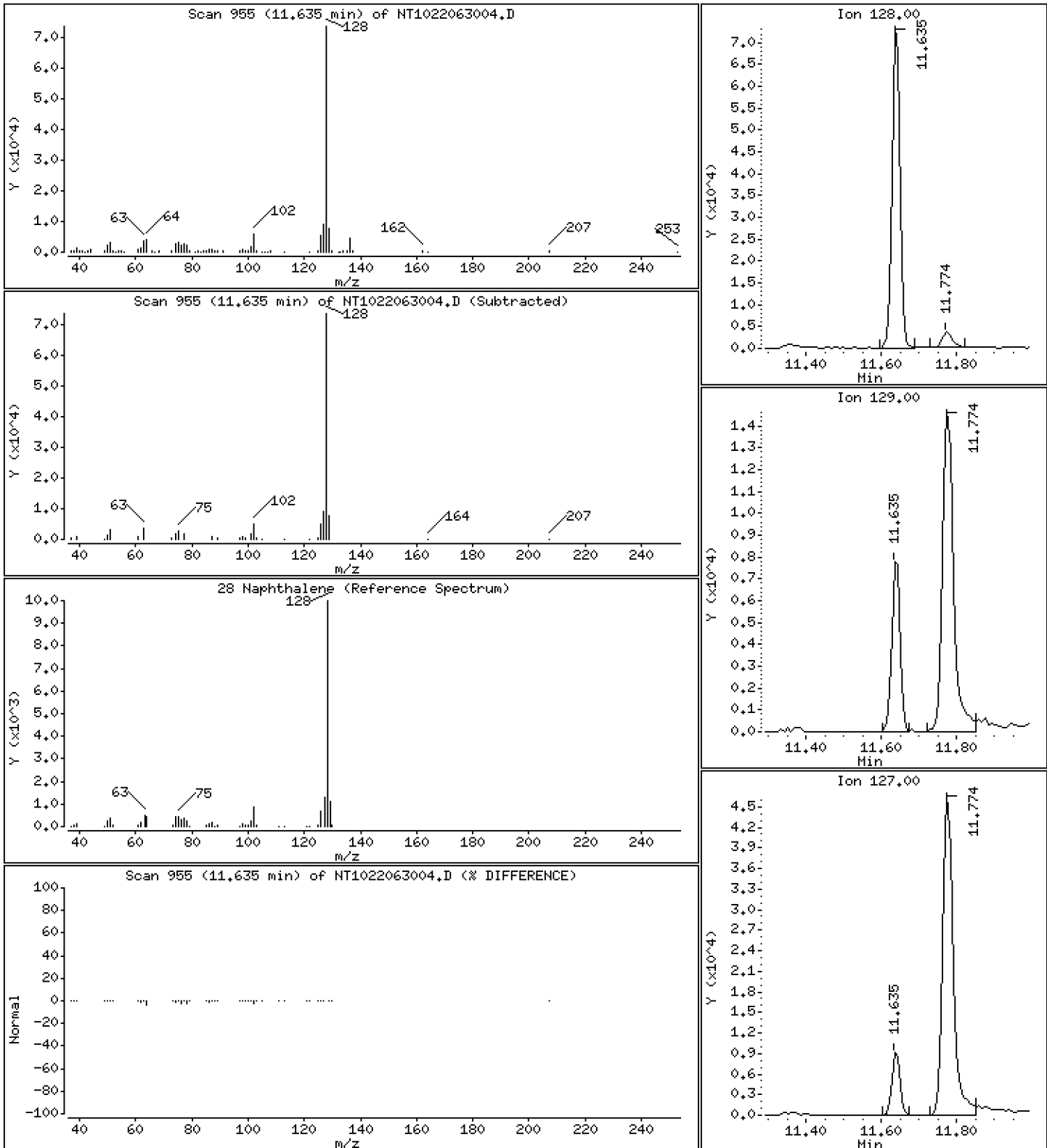
Operator: VTS

Column phase: ZB-5msi

Column diameter: 0.25

28 Naphthalene

Concentration: 0.4119 ug/mL



Date : 30-JUN-2022 15:27

Client ID:

Instrument: nt10.i

Sample Info: SKG0010-LCV1

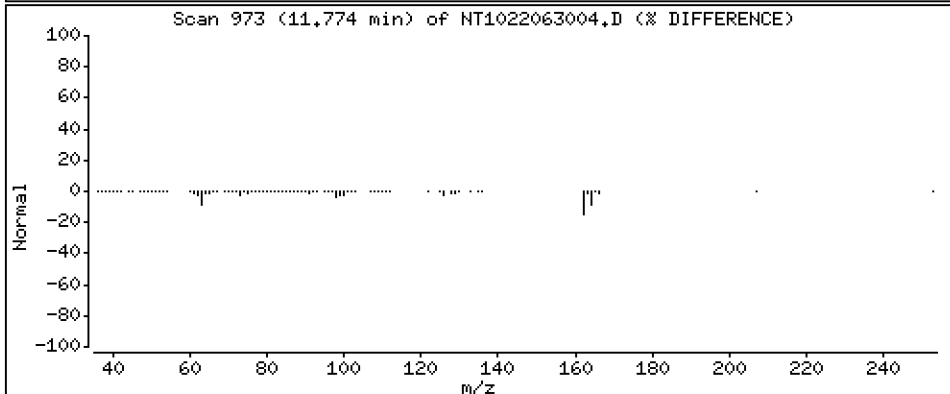
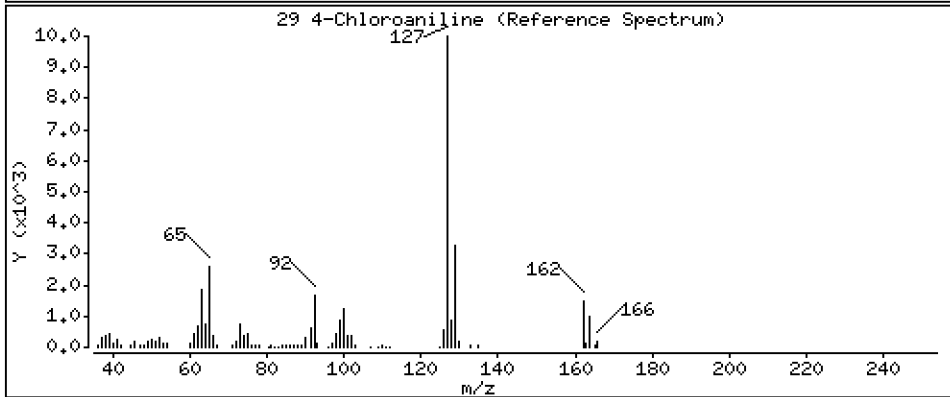
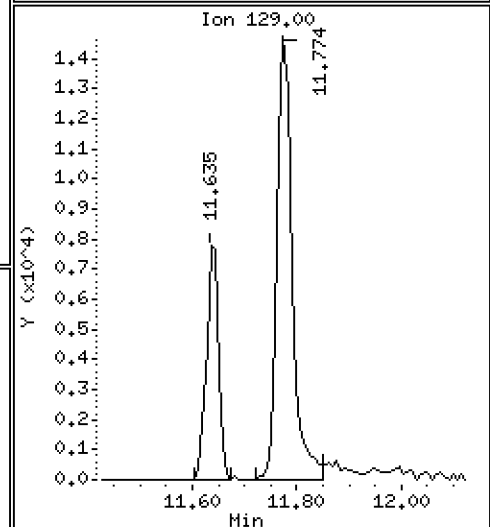
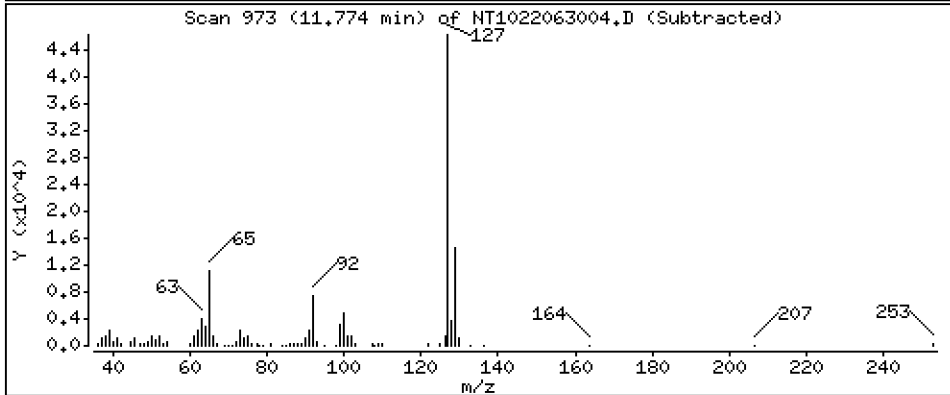
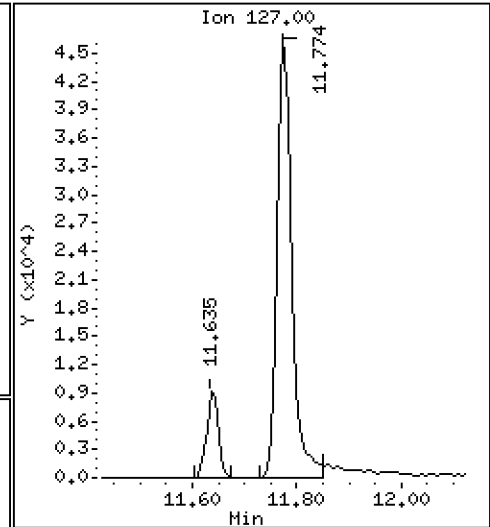
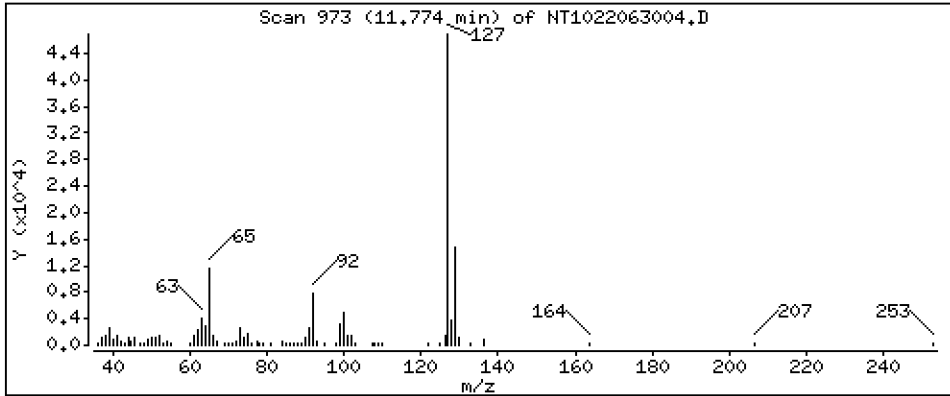
Operator: VTS

Column phase: ZB-5msi

Column diameter: 0,25

29 4-Chloroaniline

Concentration: 0,7226 ug/mL



Date : 30-JUN-2022 15:27

Client ID:

Instrument: nt10.i

Sample Info: SKG0010-LCV1

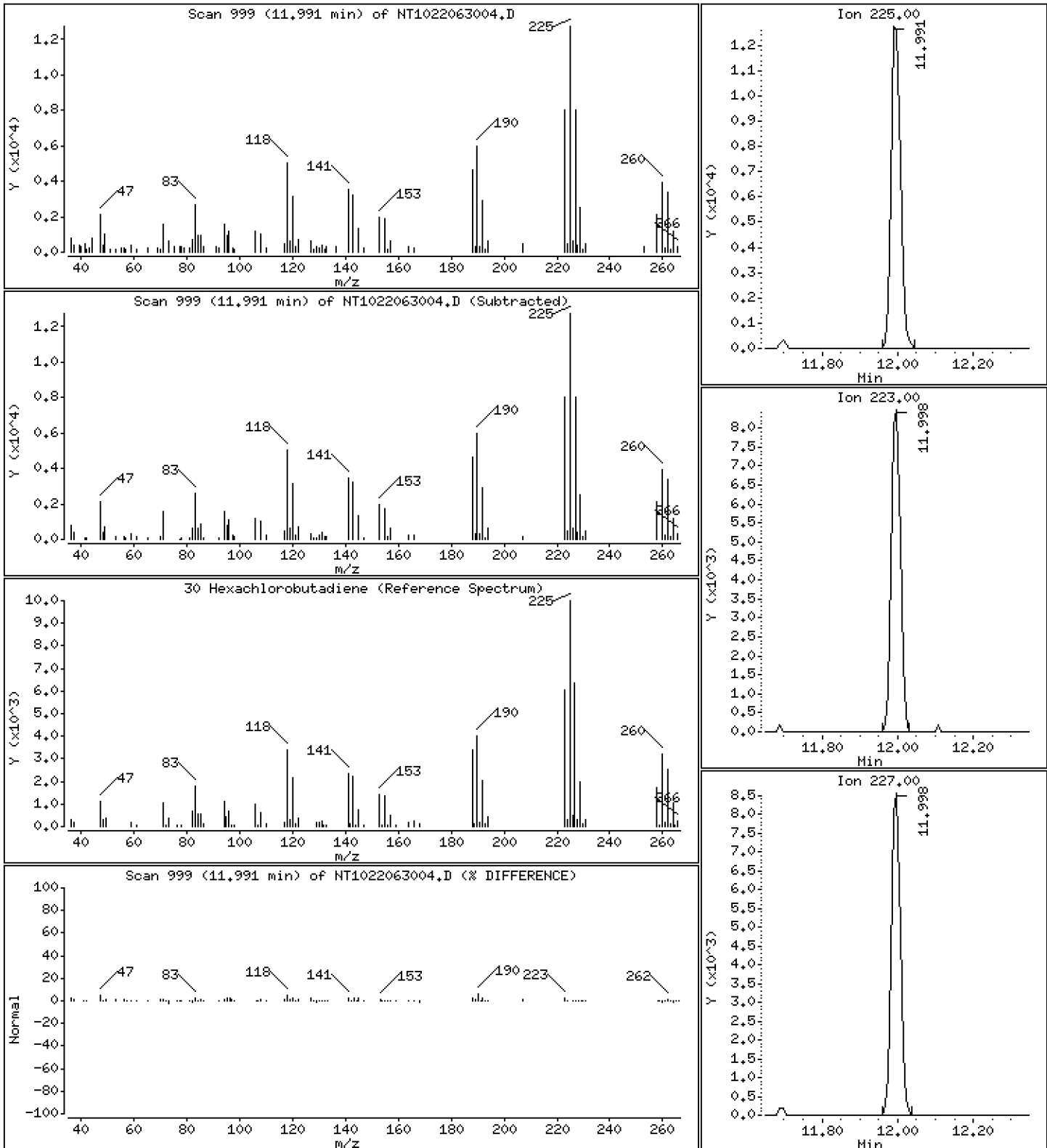
Operator: VTS

Column phase: ZB-5msi

Column diameter: 0,25

30 Hexachlorobutadiene

Concentration: 0,4622 ug/mL



Date : 30-JUN-2022 15:27

Client ID:

Instrument: nt10.i

Sample Info: SKG0010-LCV1

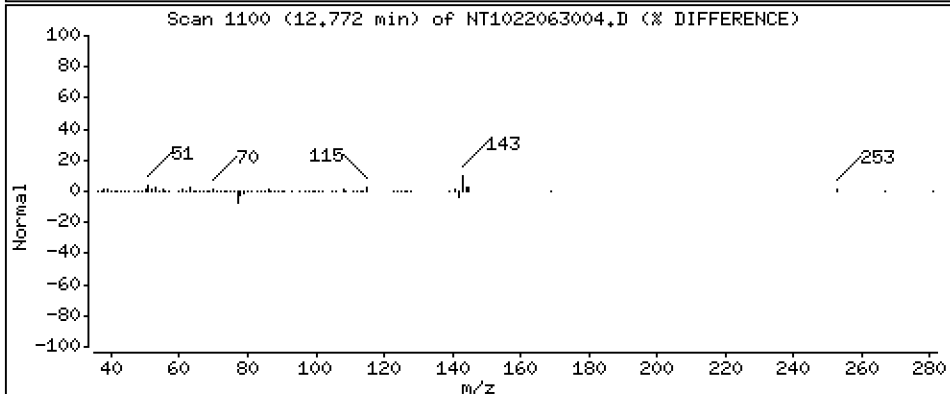
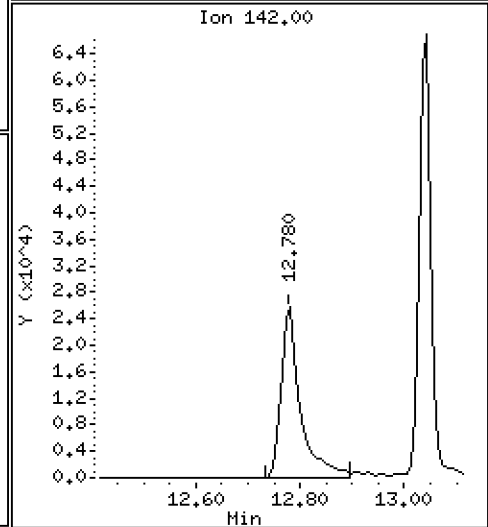
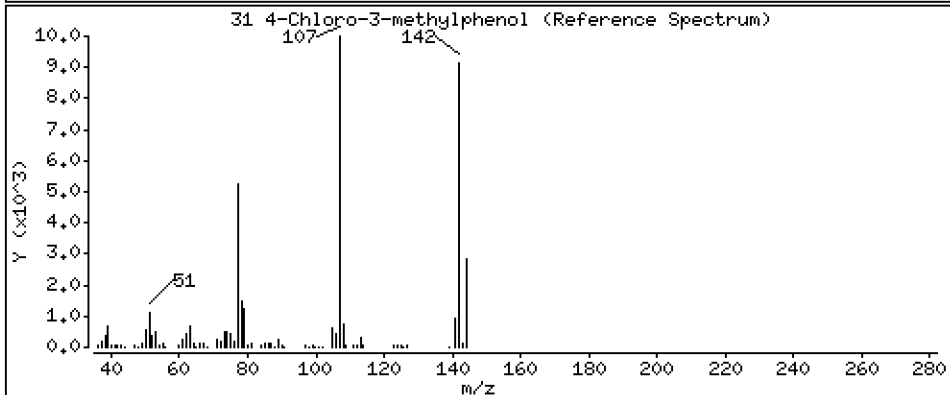
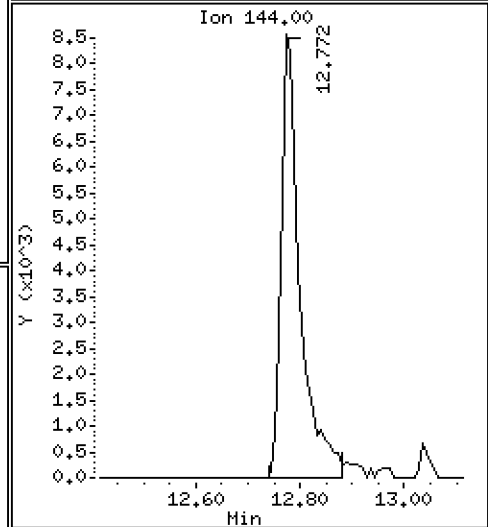
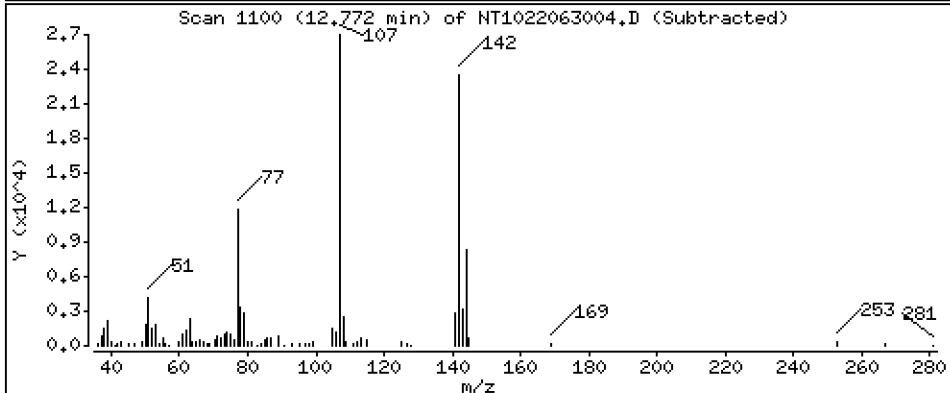
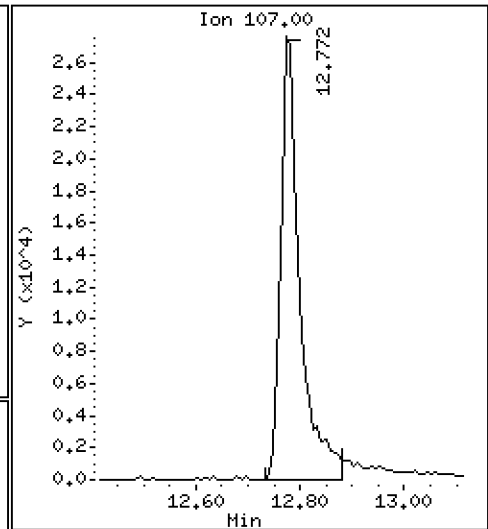
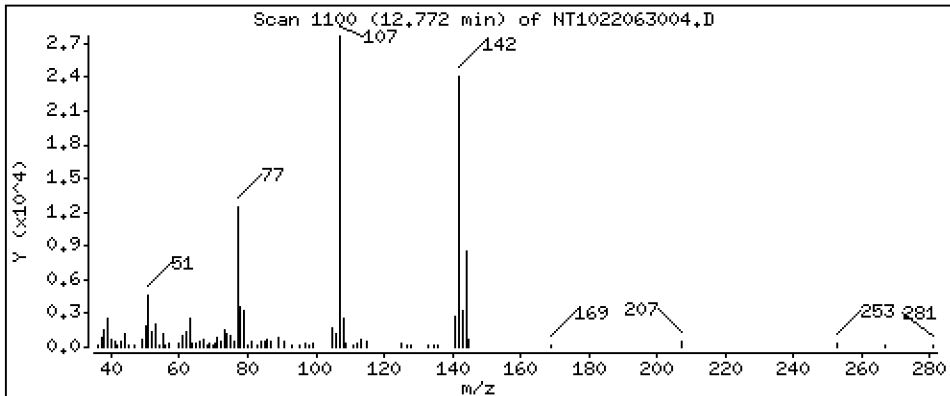
Operator: VTS

Column phase: ZB-5msi

Column diameter: 0,25

31 4-Chloro-3-methylphenol

Concentration: 0,6773 ug/mL



Date : 30-JUN-2022 15:27

Client ID:

Instrument: nt10.i

Sample Info: SKG0010-LCV1

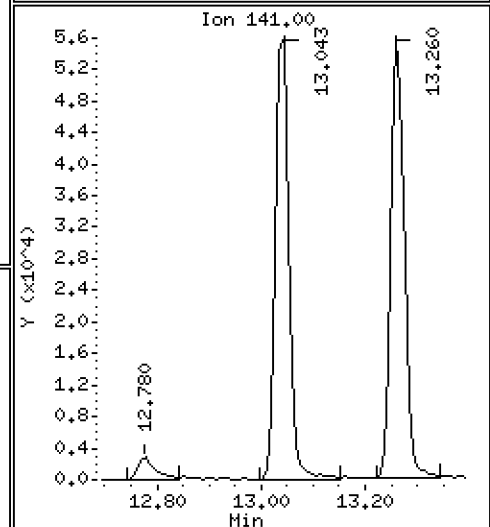
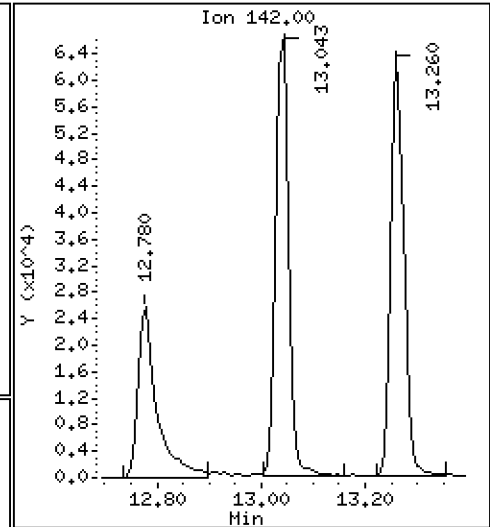
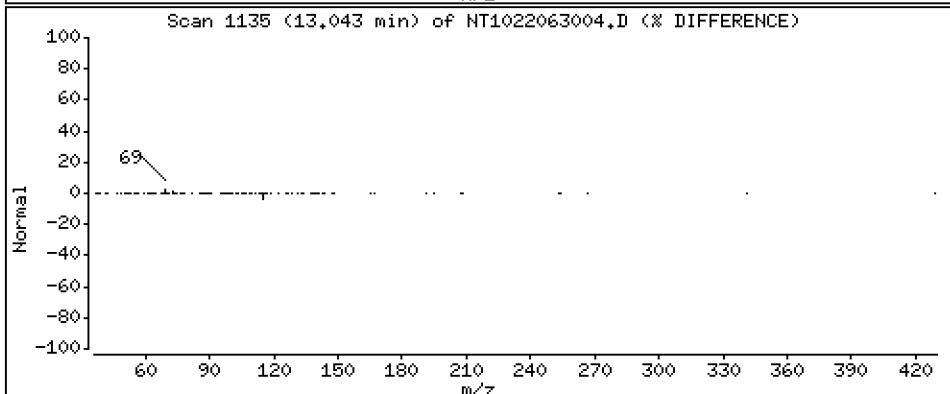
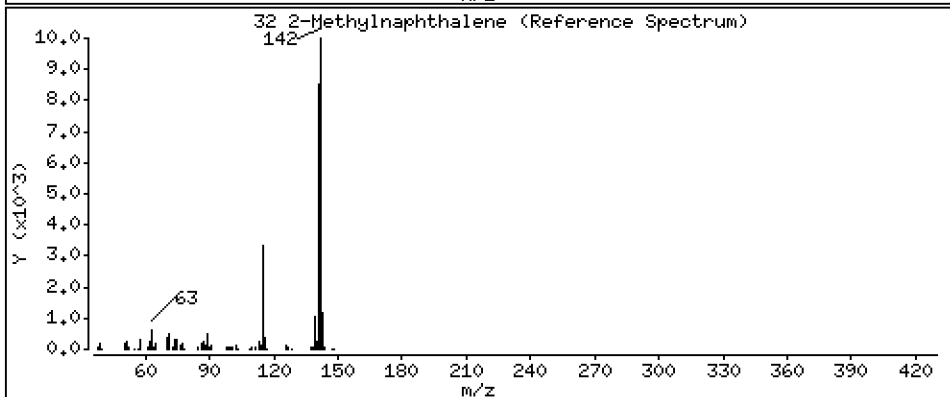
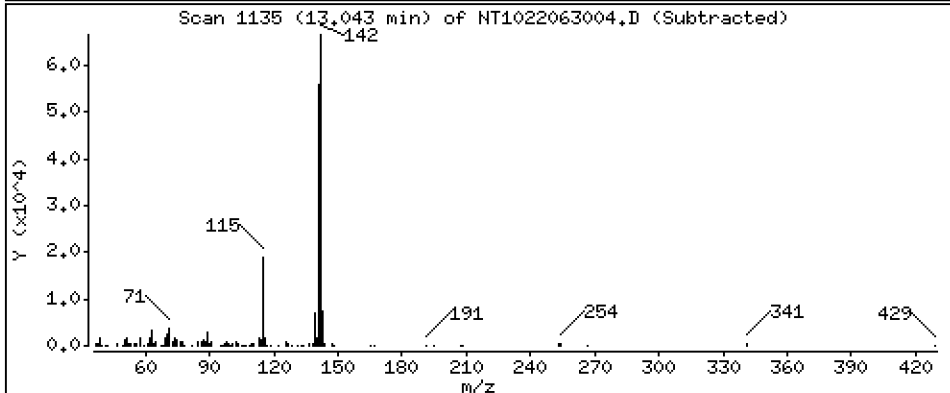
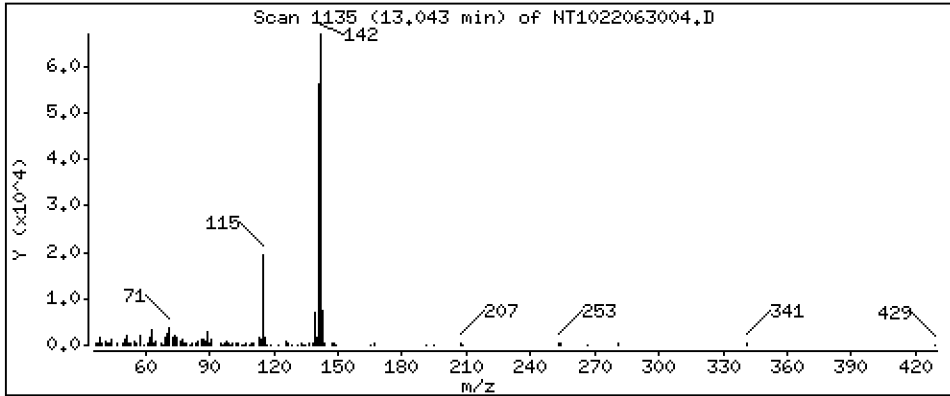
Operator: VTS

Column phase: ZB-5msi

Column diameter: 0,25

32 2-Methylnaphthalene

Concentration: 0,3996 ug/mL



Date : 30-JUN-2022 15:27

Client ID:

Instrument: nt10.i

Sample Info: SKG0010-LCV1

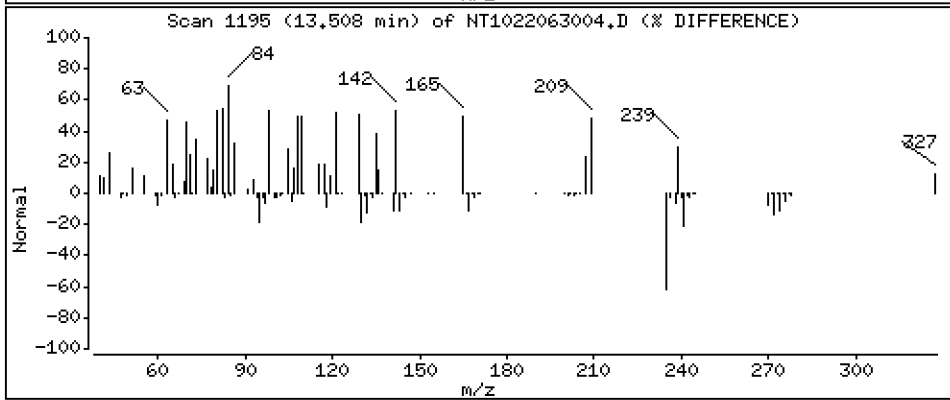
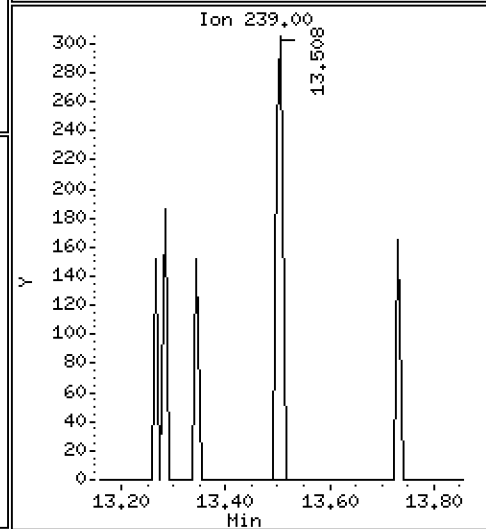
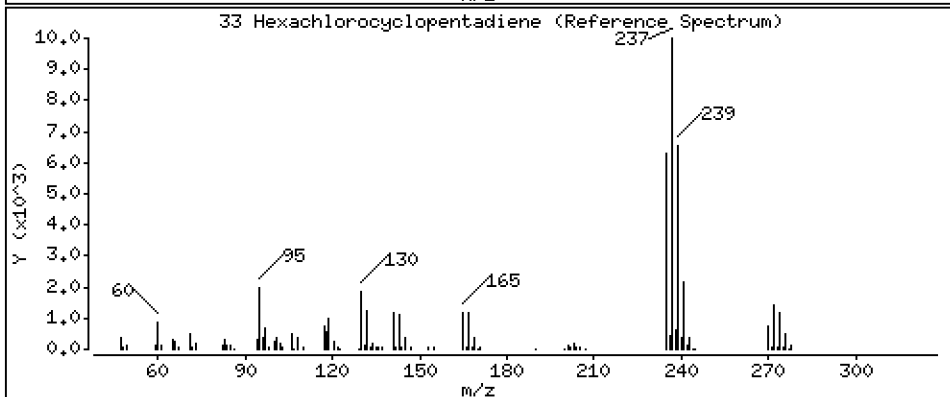
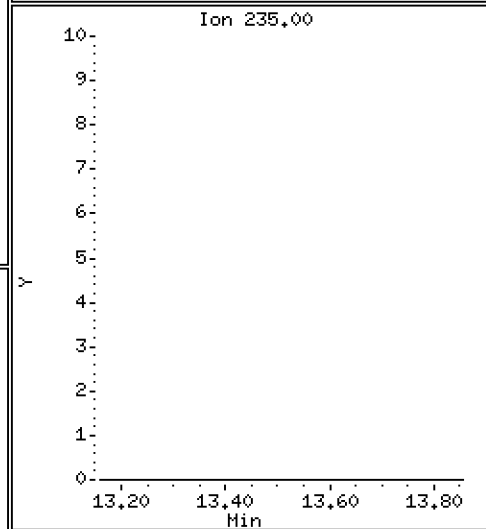
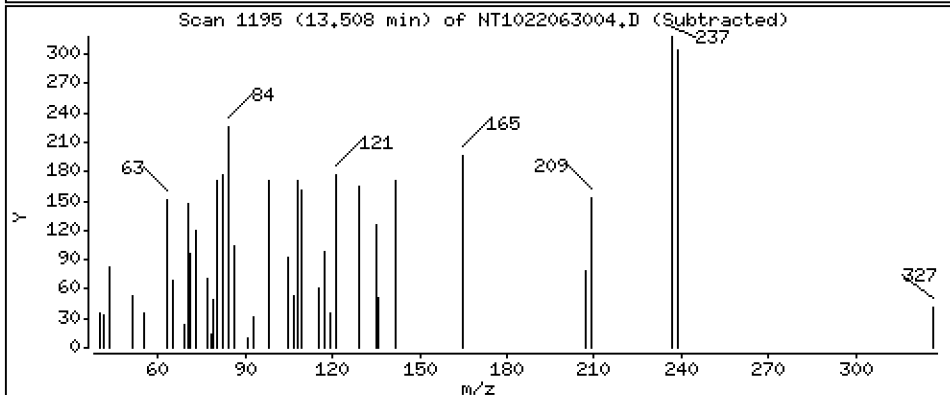
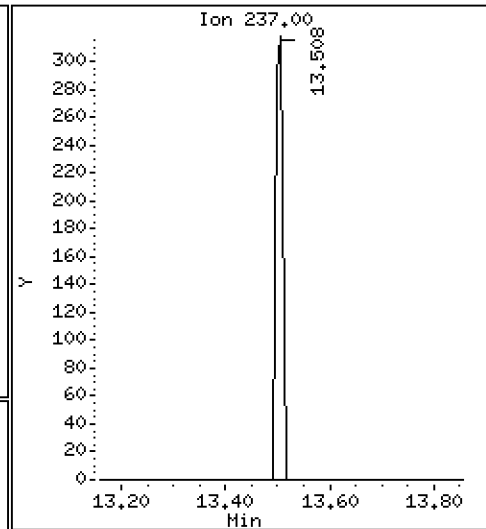
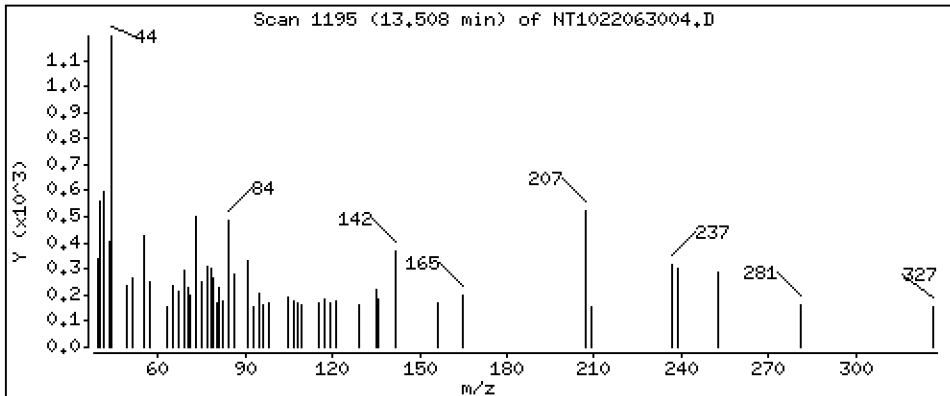
Operator: VTS

Column phase: ZB-5msi

Column diameter: 0,25

33 Hexachlorocyclopentadiene

Concentration: 0,008895 ug/mL



Date : 30-JUN-2022 15:27

Client ID:

Instrument: nt10.i

Sample Info: SKG0010-LCV1

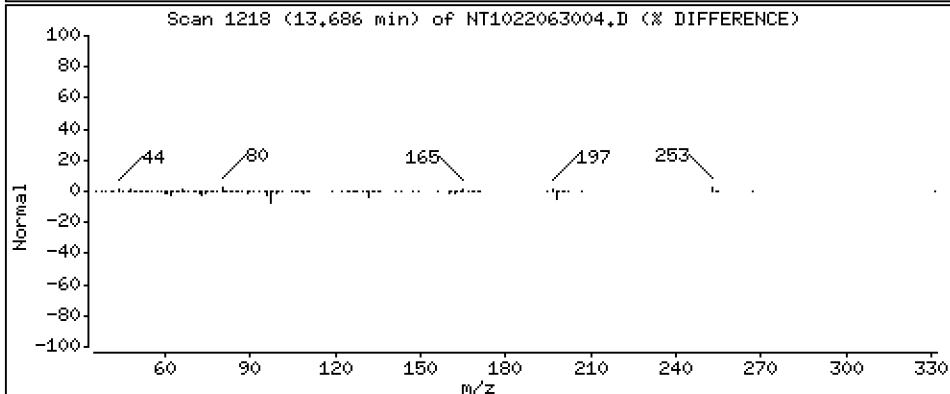
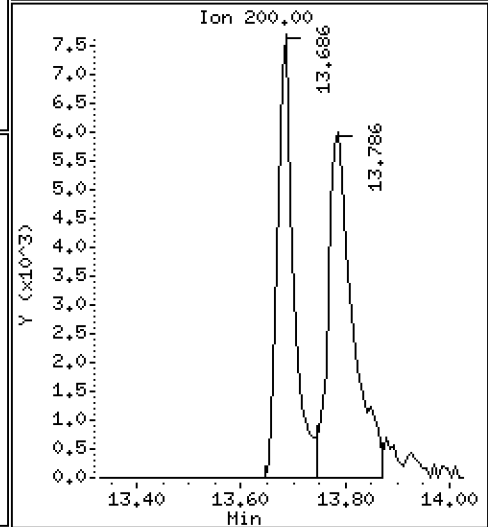
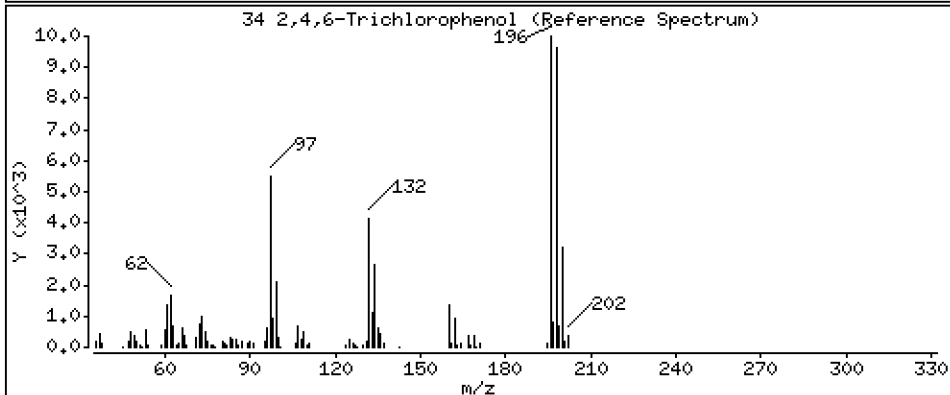
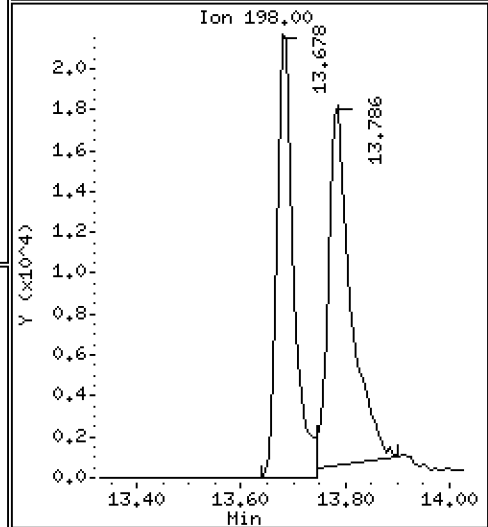
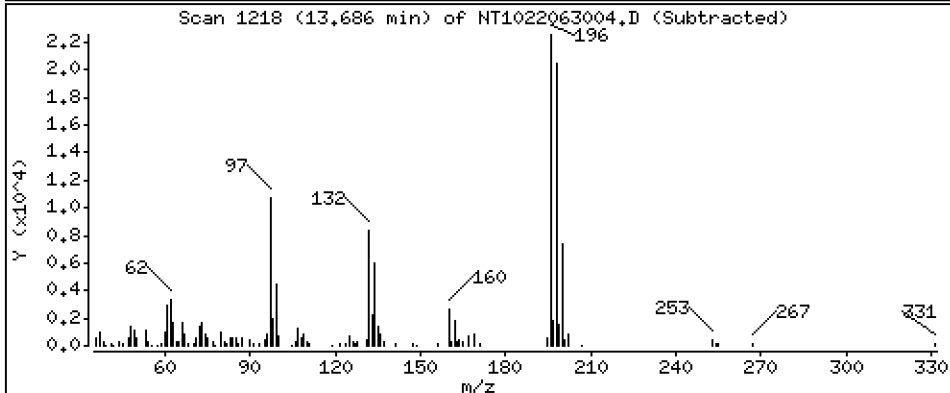
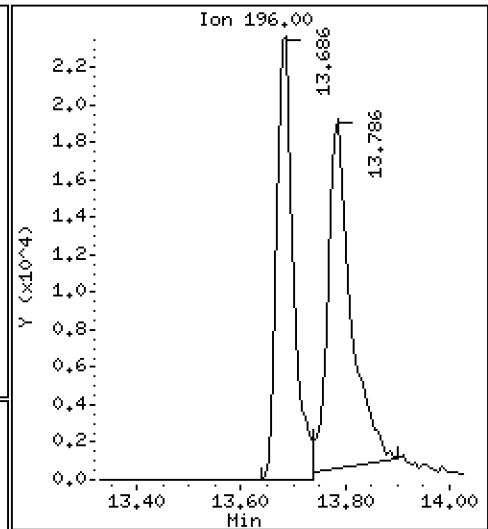
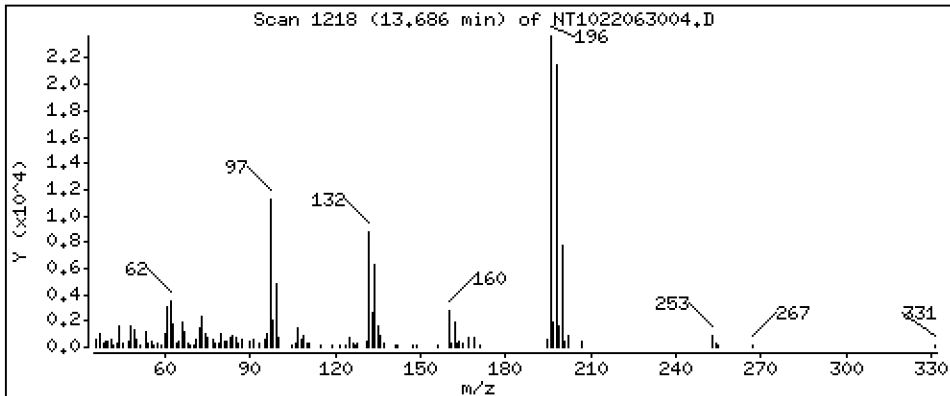
Operator: VTS

Column phase: ZB-5msi

Column diameter: 0,25

34 2,4,6-Trichlorophenol

Concentration: 0,8208 ug/mL



Date : 30-JUN-2022 15:27

Client ID:

Instrument: nt10.i

Sample Info: SKG0010-LCV1

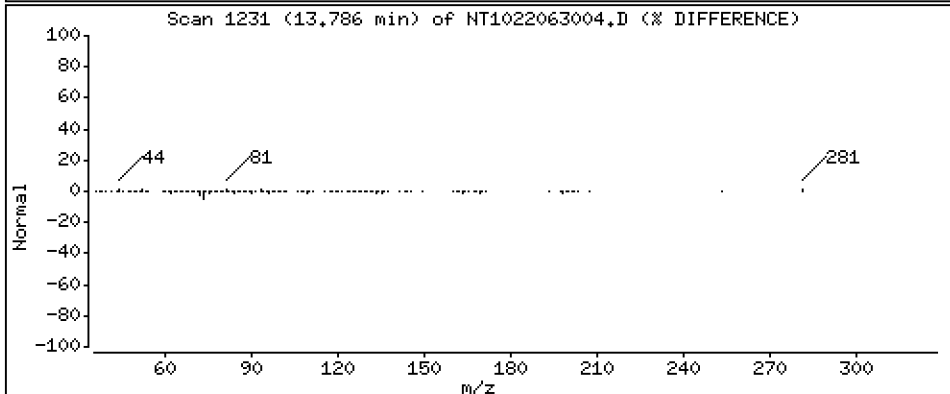
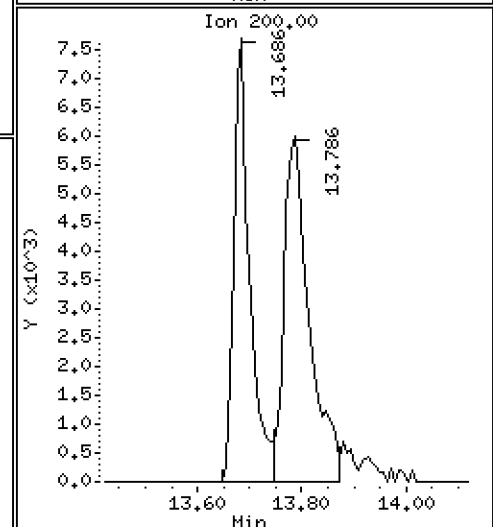
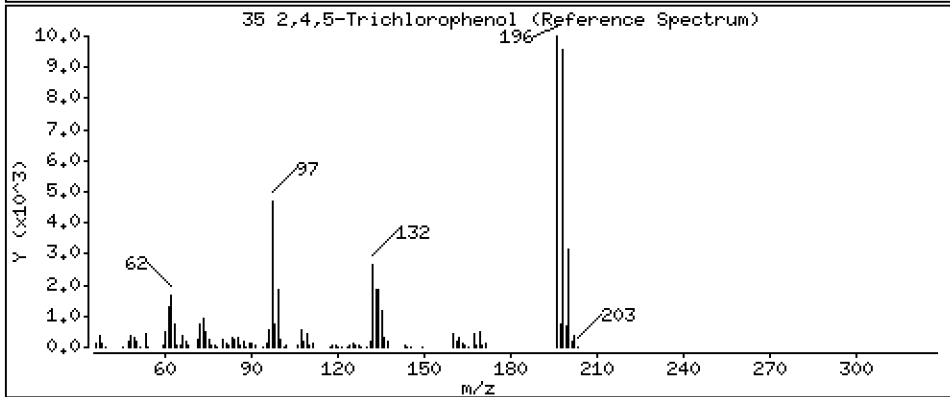
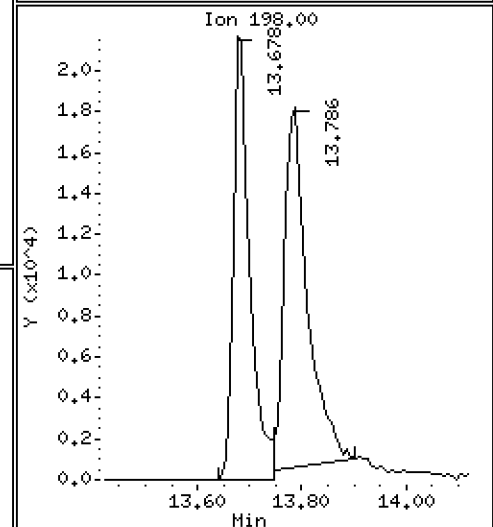
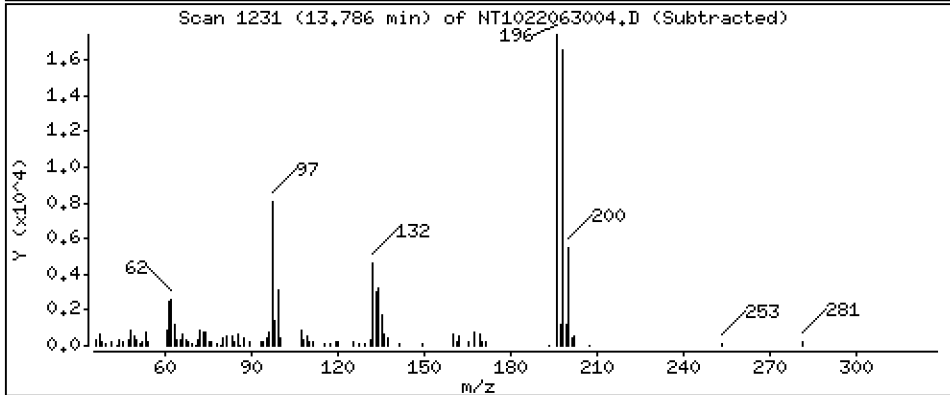
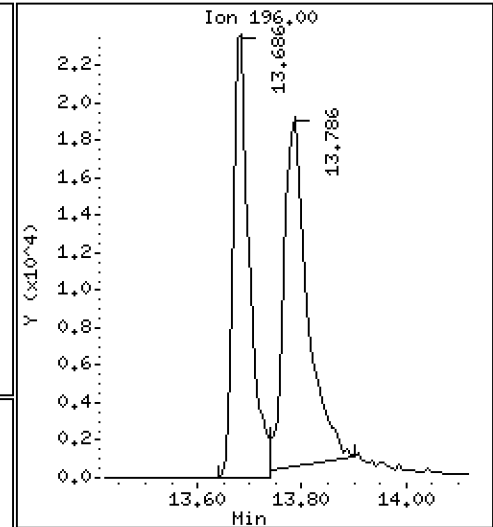
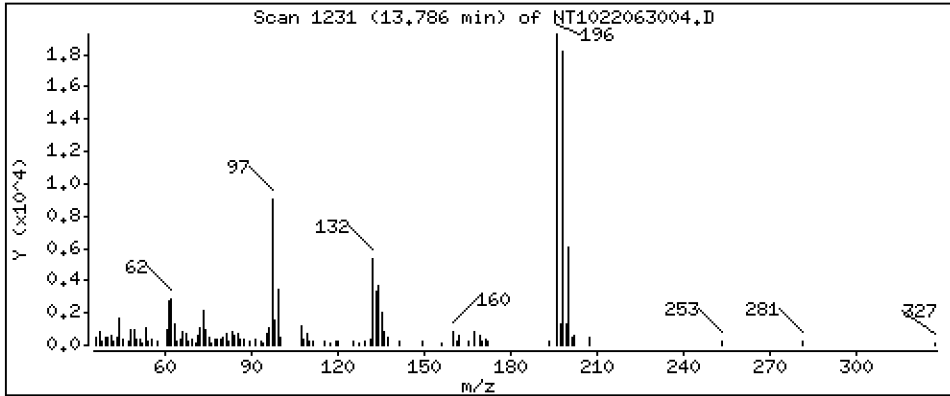
Operator: VTS

Column phase: ZB-5msi

Column diameter: 0,25

35 2,4,5-Trichlorophenol

Concentration: 0,7646 ug/mL



Date : 30-JUN-2022 15:27

Client ID:

Instrument: nt10.i

Sample Info: SKG0010-LCV1

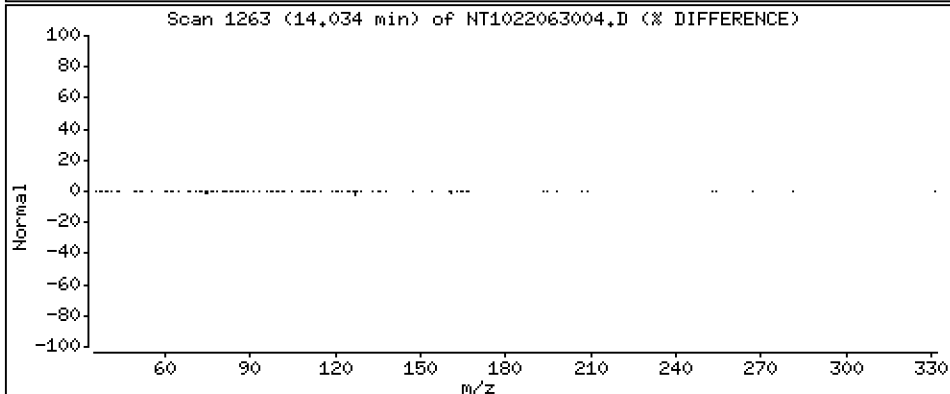
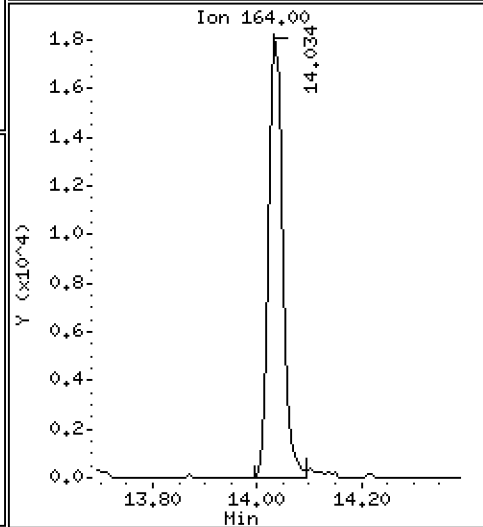
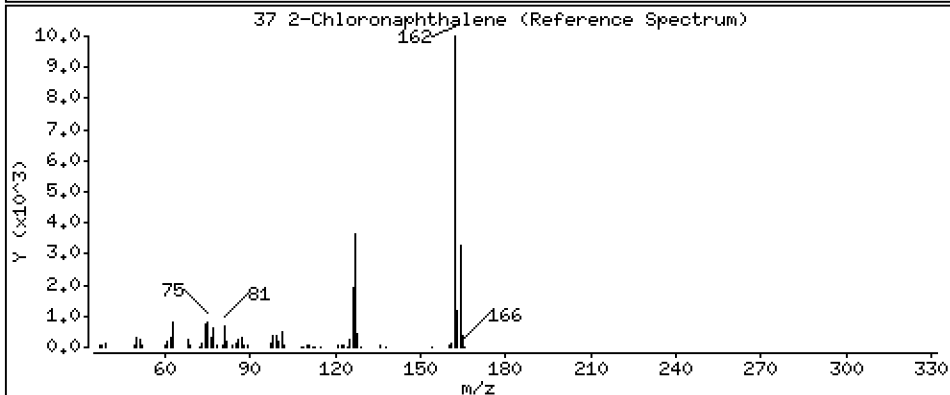
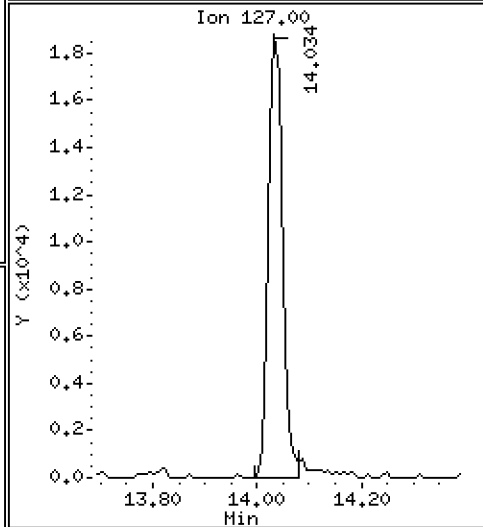
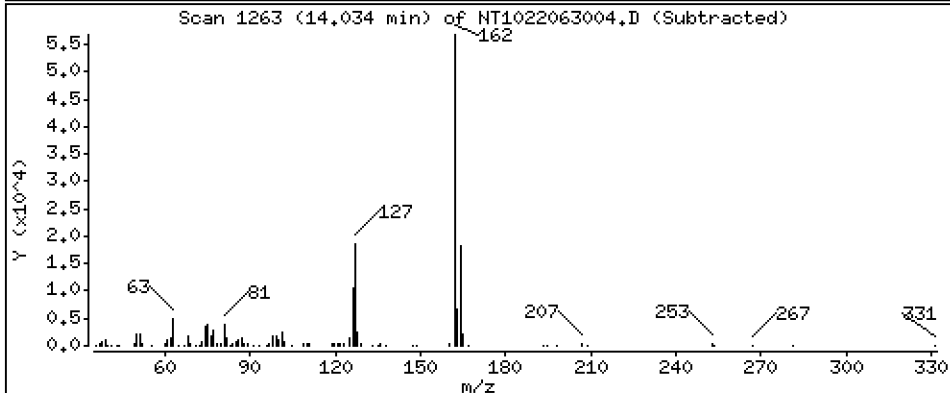
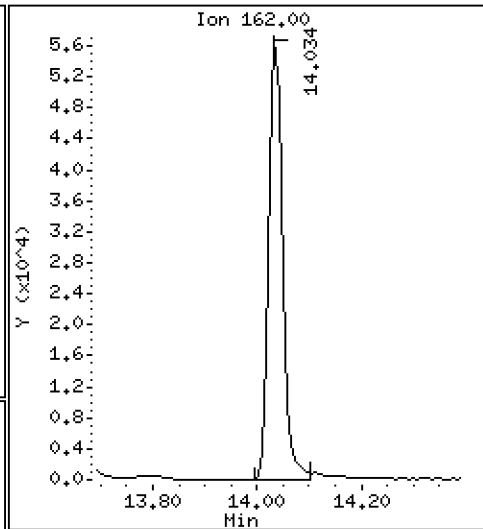
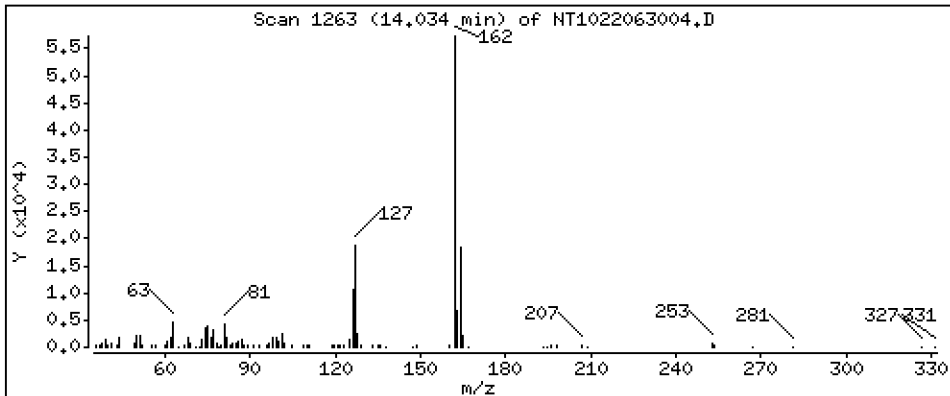
Operator: VTS

Column phase: ZB-5msi

Column diameter: 0,25

37 2-Chloronaphthalene

Concentration: 0,4490 ug/mL



Date : 30-JUN-2022 15:27

Client ID:

Instrument: nt10.i

Sample Info: SKG0010-LCV1

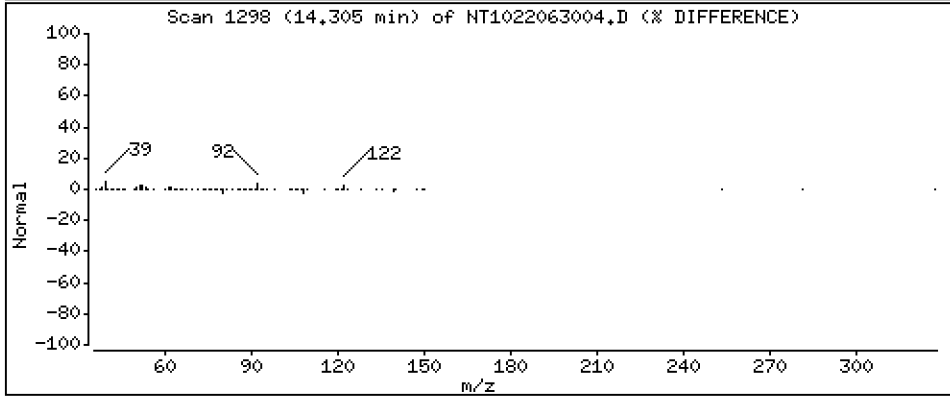
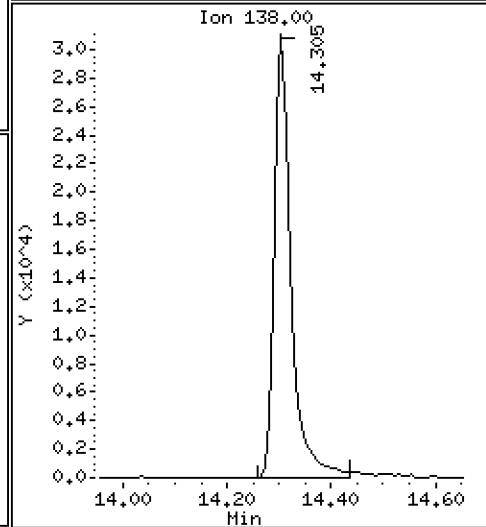
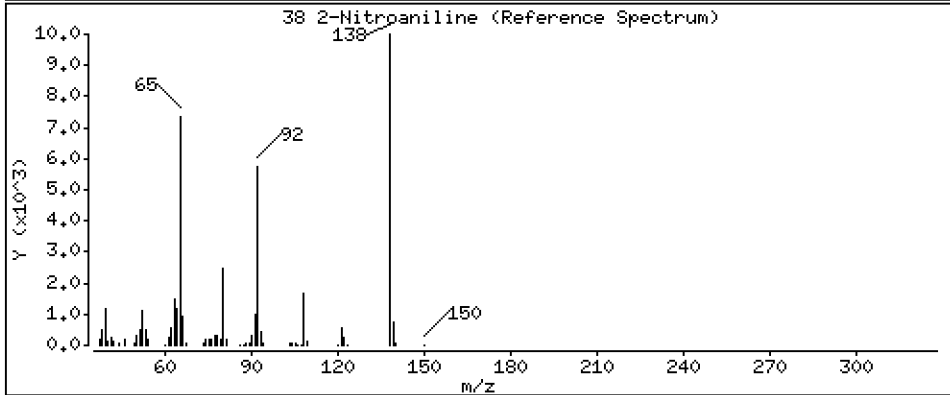
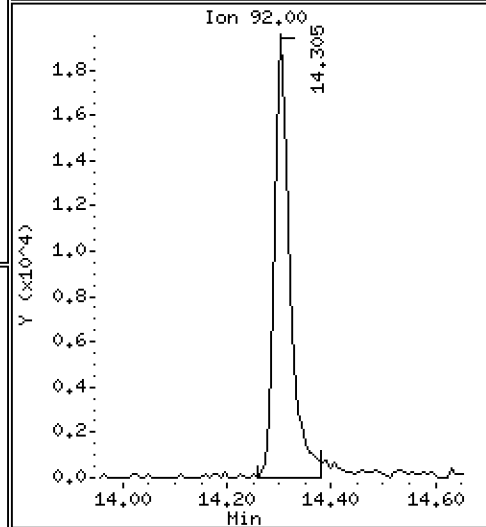
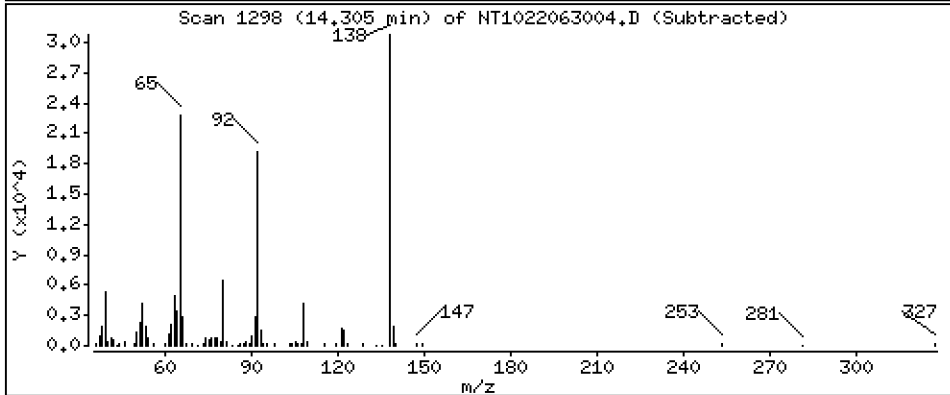
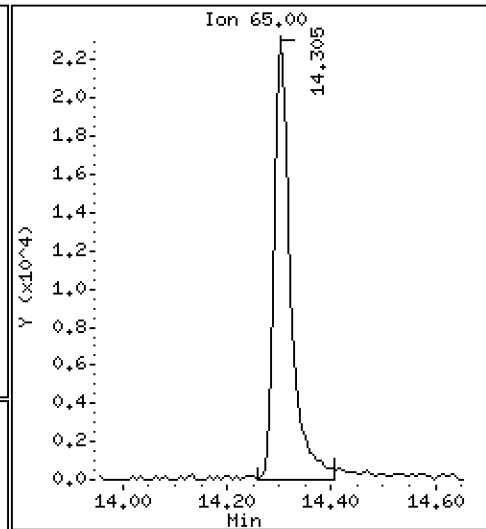
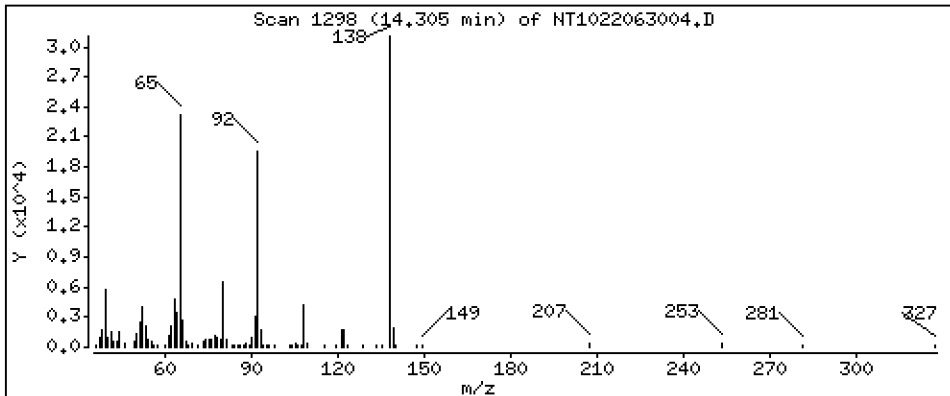
Operator: VTS

Column phase: ZB-5msi

Column diameter: 0,25

38 2-Nitroaniline

Concentration: 0,8283 ug/mL



Date : 30-JUN-2022 15:27

Client ID:

Instrument: nt10.i

Sample Info: SKG0010-LCV1

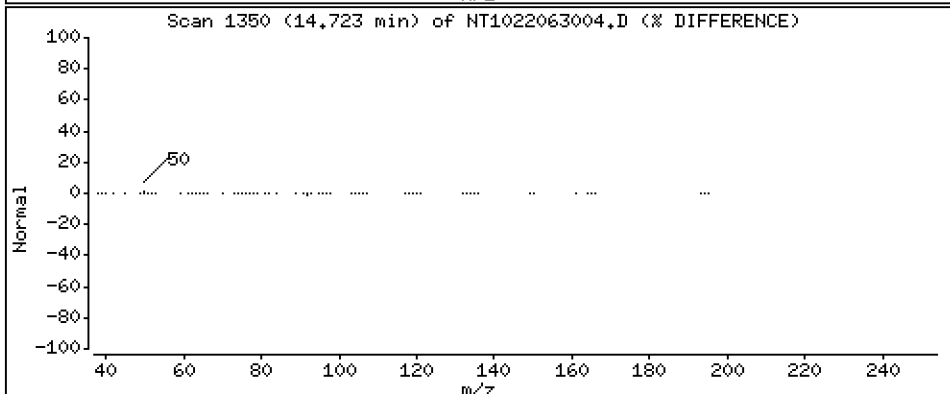
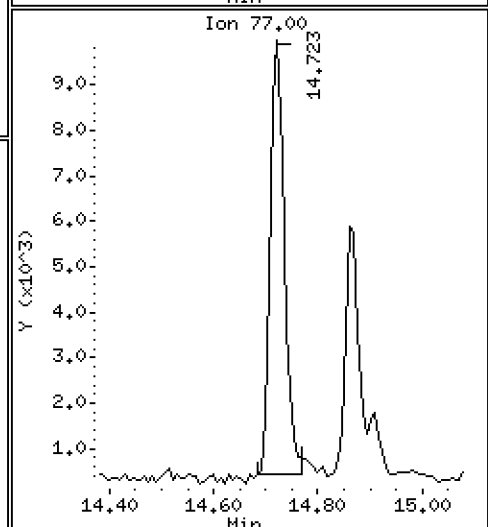
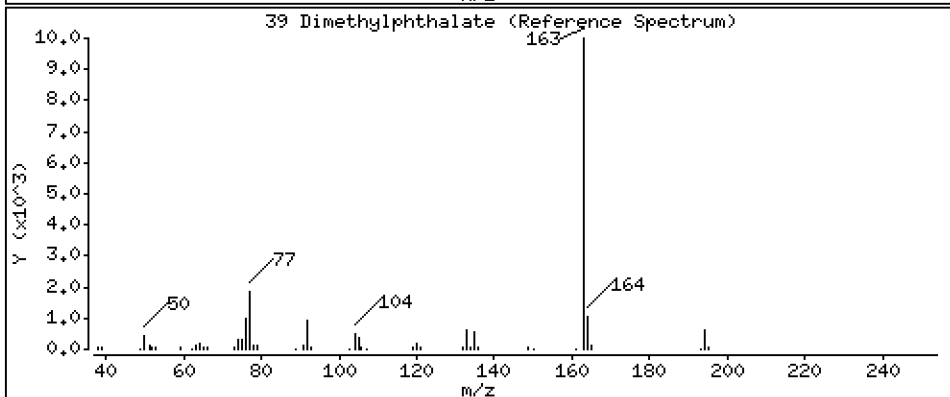
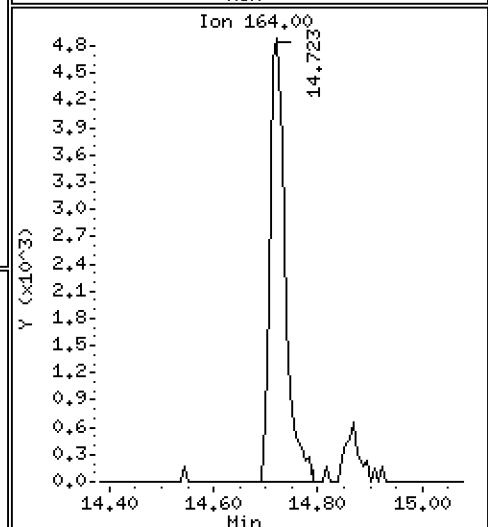
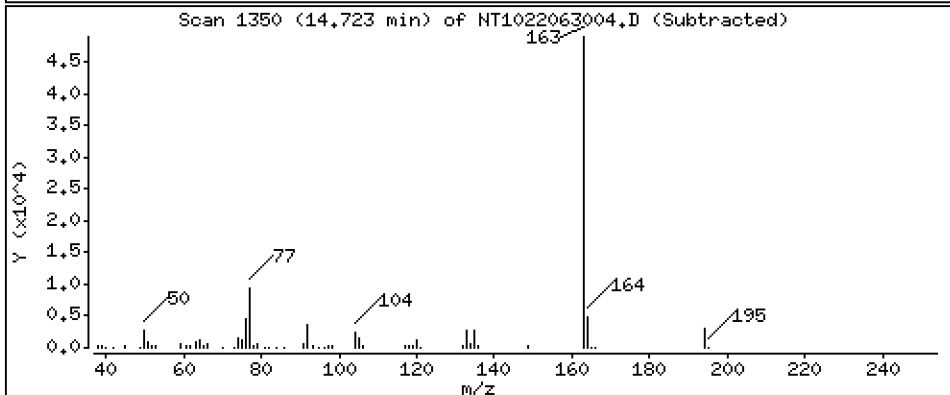
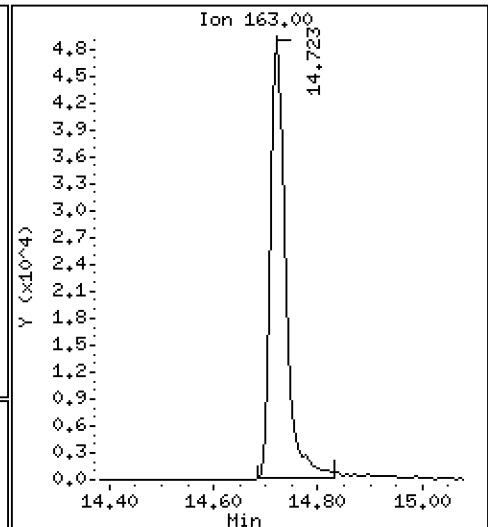
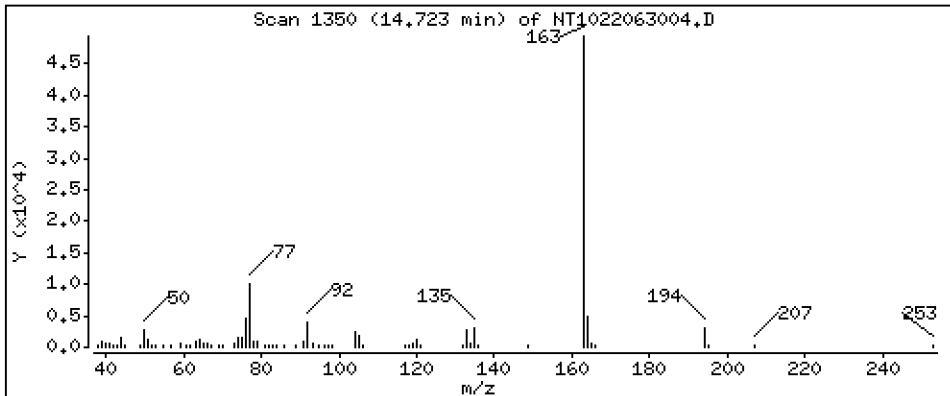
Operator: VTS

Column phase: ZB-5msi

Column diameter: 0,25

39 Dimethylphthalate

Concentration: 0,4883 ug/mL



Date : 30-JUN-2022 15:27

Client ID:

Instrument: nt10.i

Sample Info: SKG0010-LCV1

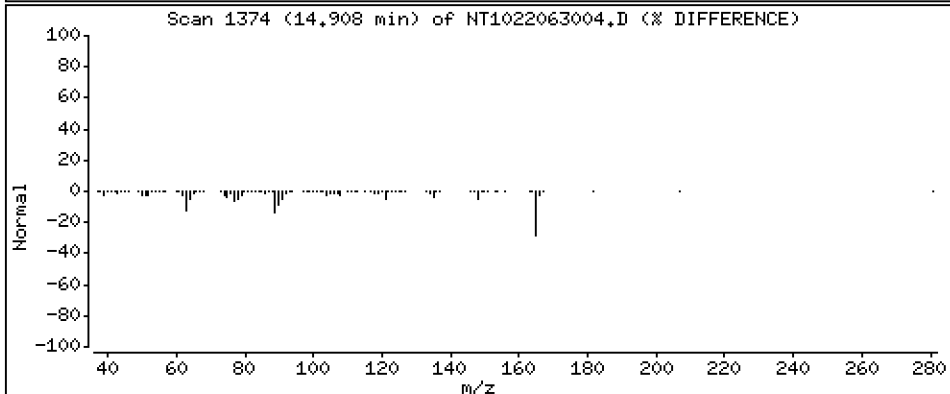
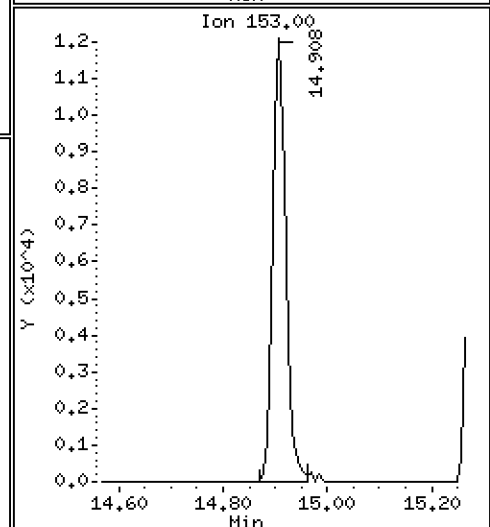
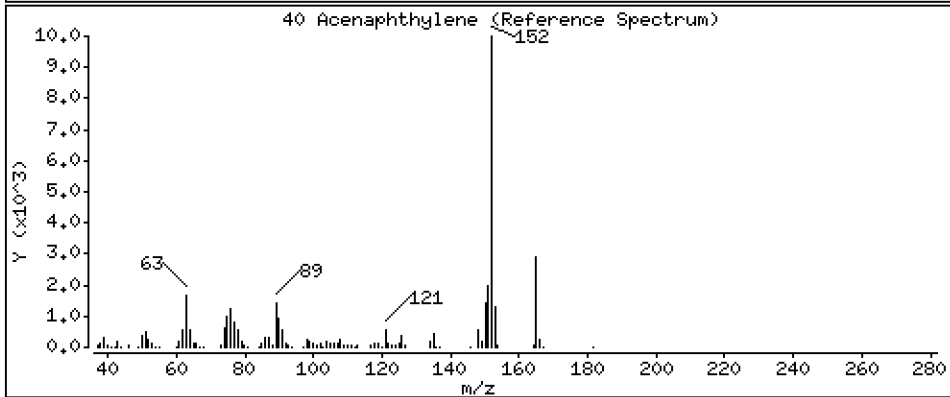
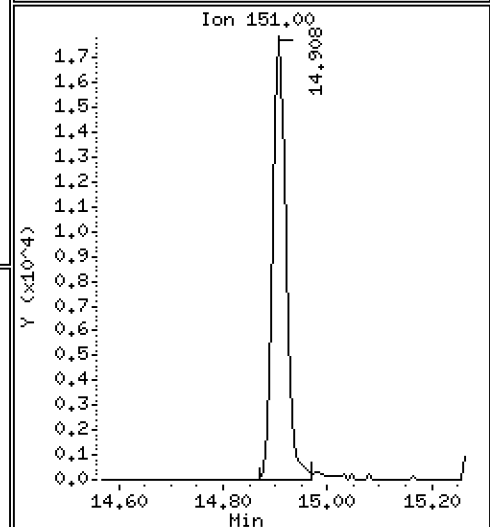
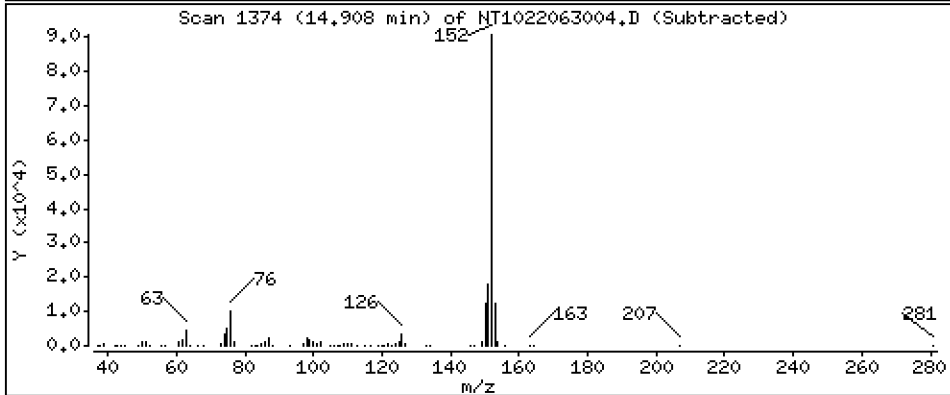
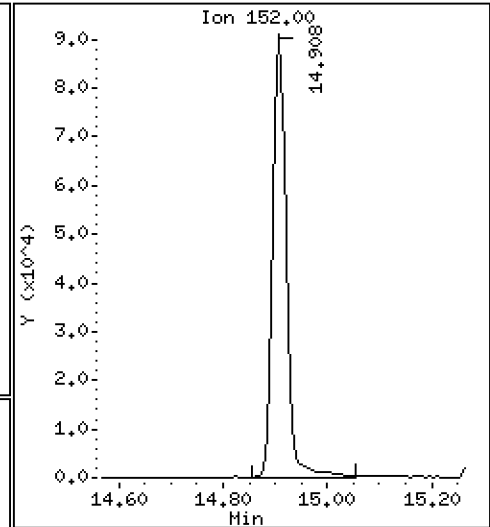
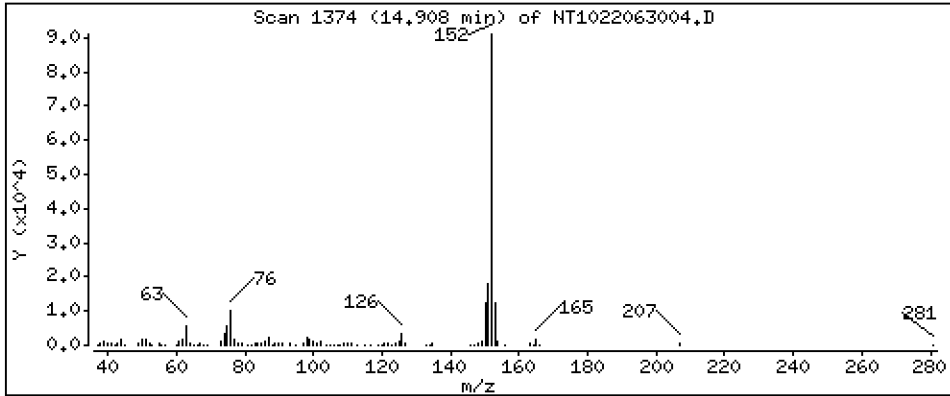
Operator: VTS

Column phase: ZB-5msi

Column diameter: 0,25

40 Acenaphthylene

Concentration: 0,5245 ug/mL



Date : 30-JUN-2022 15:27

Client ID:

Instrument: nt10.i

Sample Info: SKG0010-LCV1

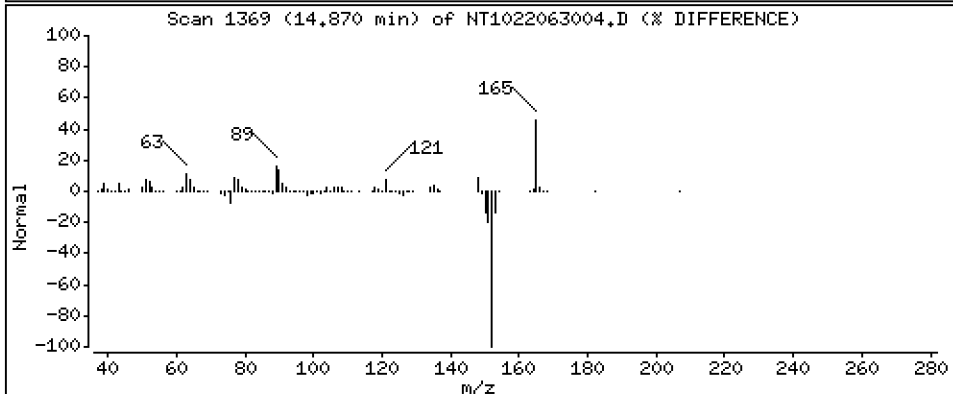
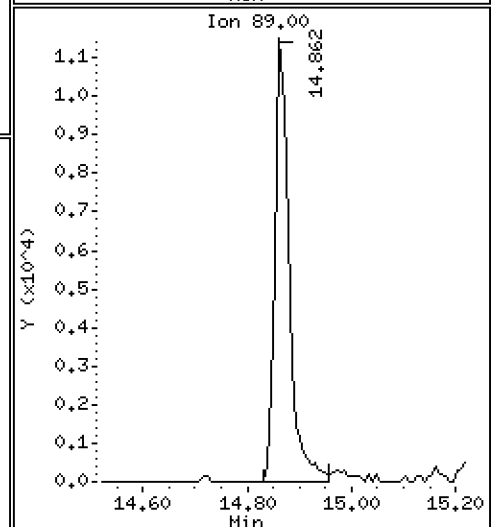
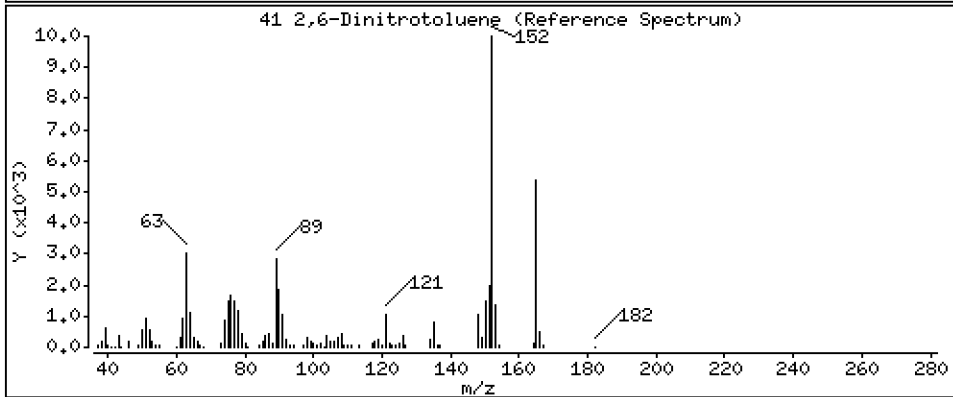
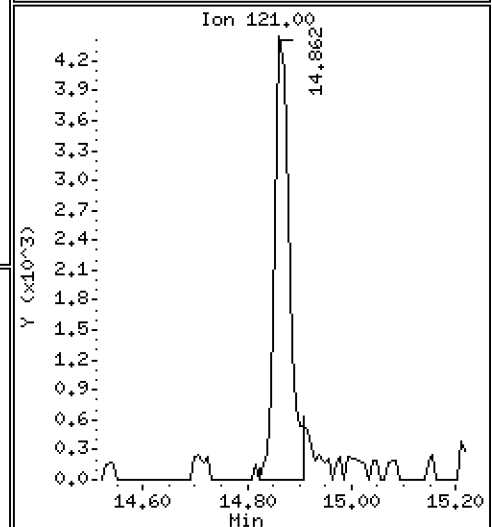
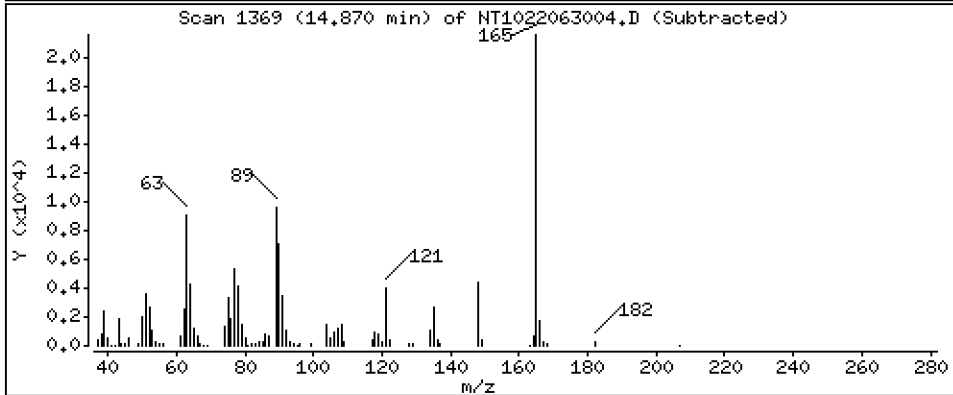
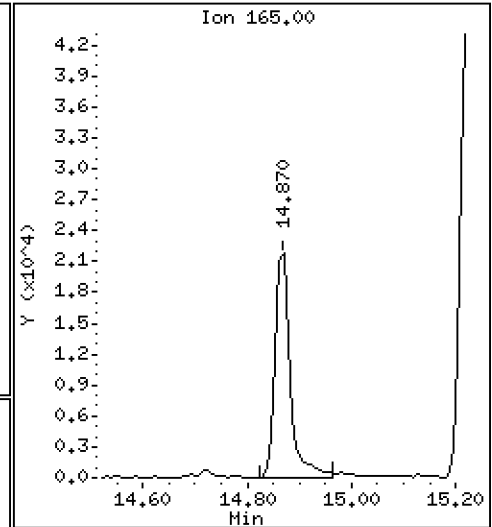
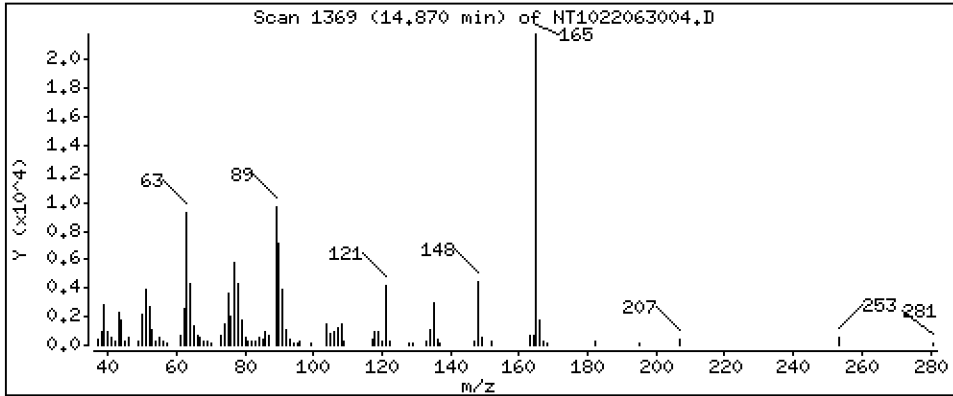
Operator: VTS

Column phase: ZB-5msi

Column diameter: 0,25

41 2,6-Dinitrotoluene

Concentration: 0,9381 ug/mL



Date : 30-JUN-2022 15:27

Client ID:

Instrument: nt10.i

Sample Info: SKG0010-LCV1

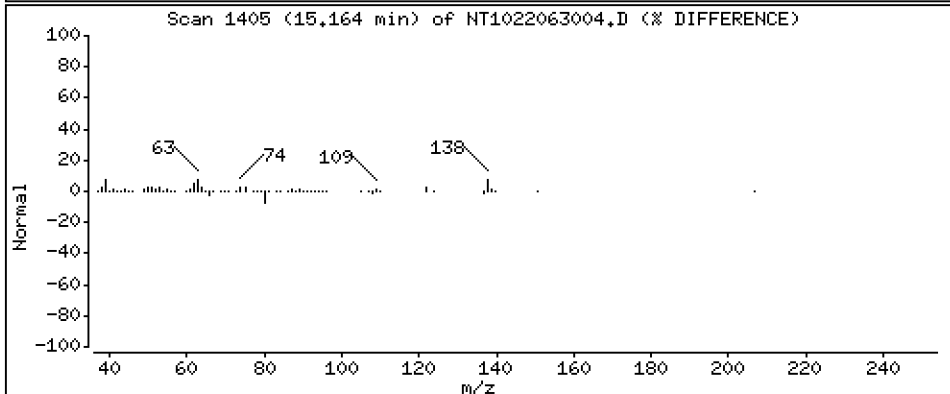
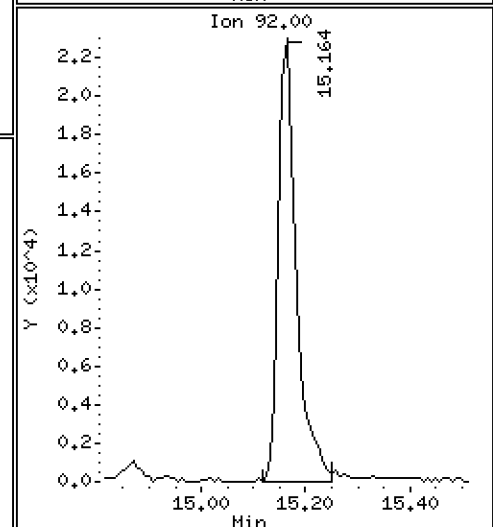
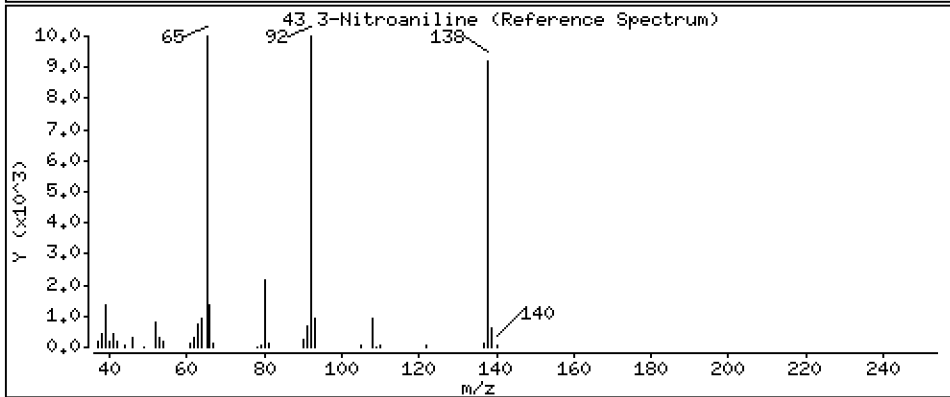
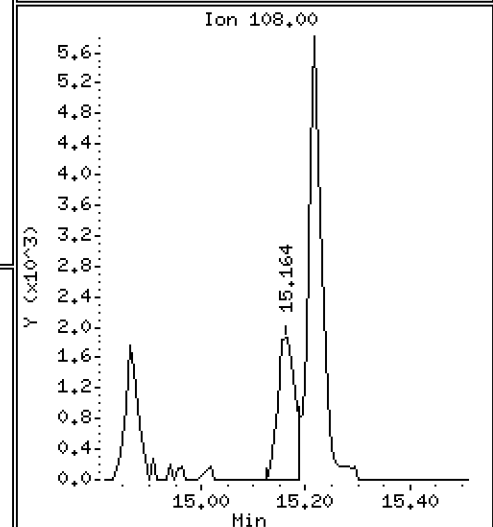
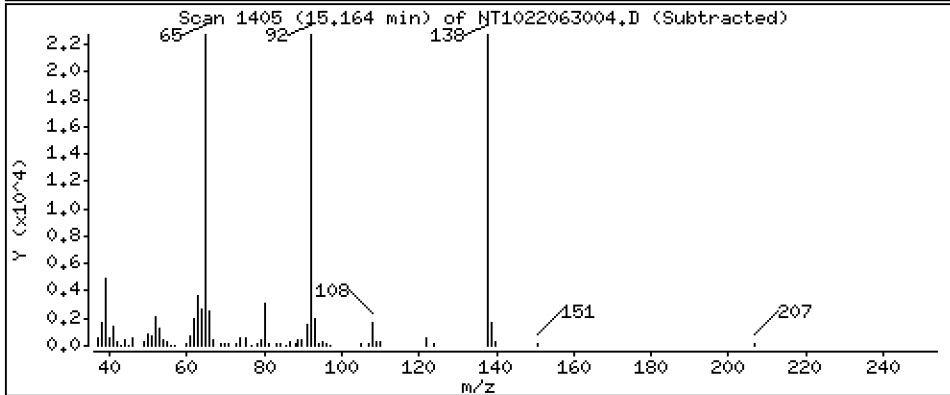
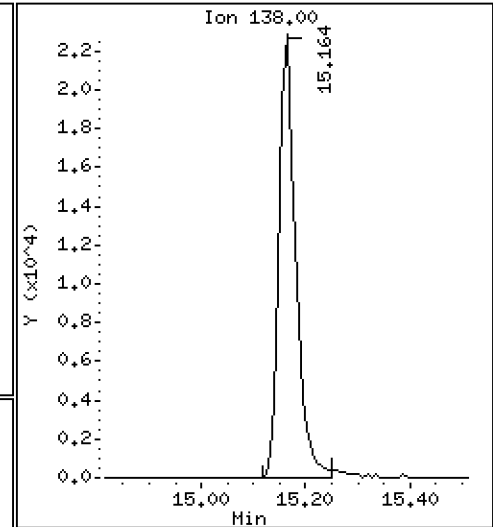
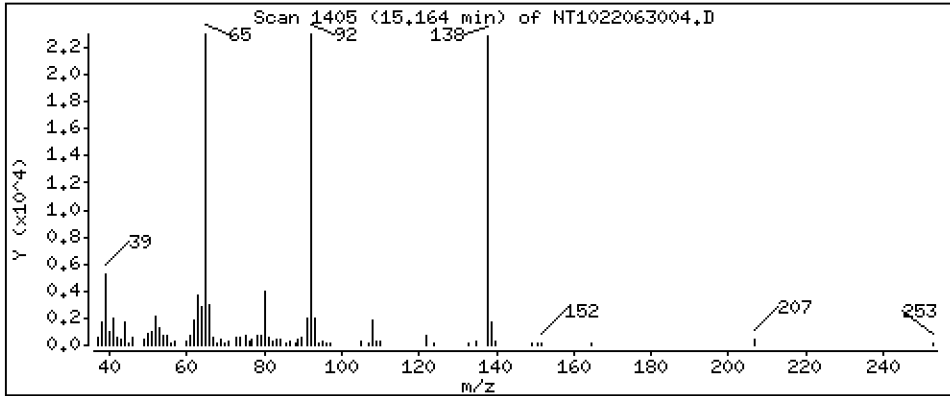
Operator: VTS

Column phase: ZB-5msi

Column diameter: 0,25

43 3-Nitroaniline

Concentration: 0,9192 ug/mL



Date : 30-JUN-2022 15:27

Client ID:

Instrument: nt10.i

Sample Info: SKG0010-LCV1

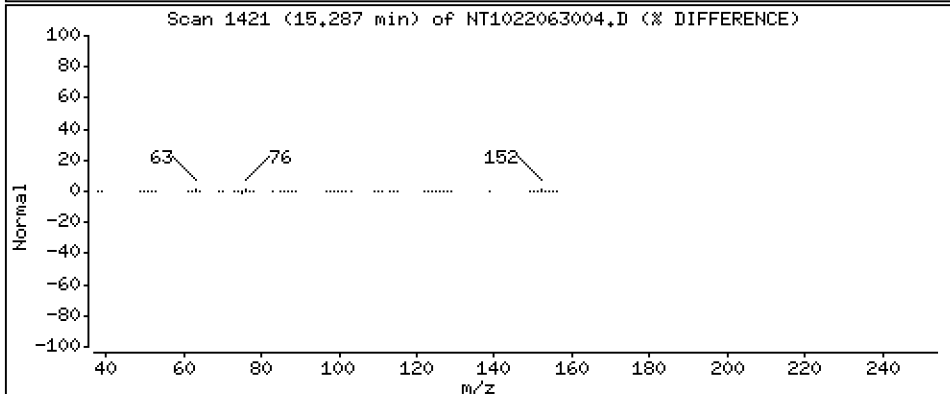
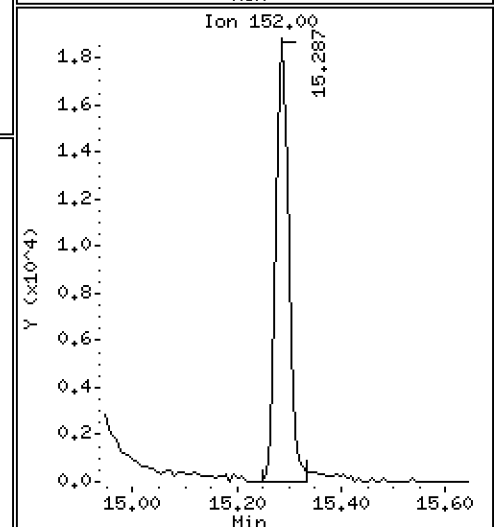
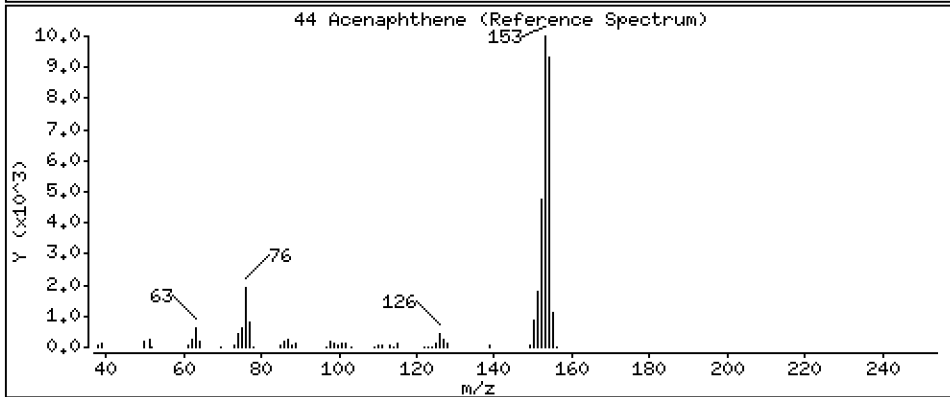
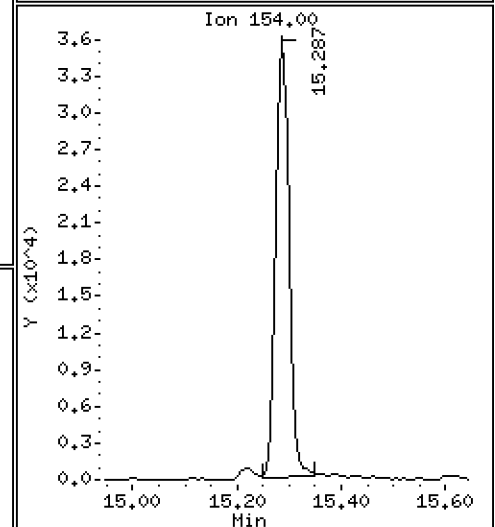
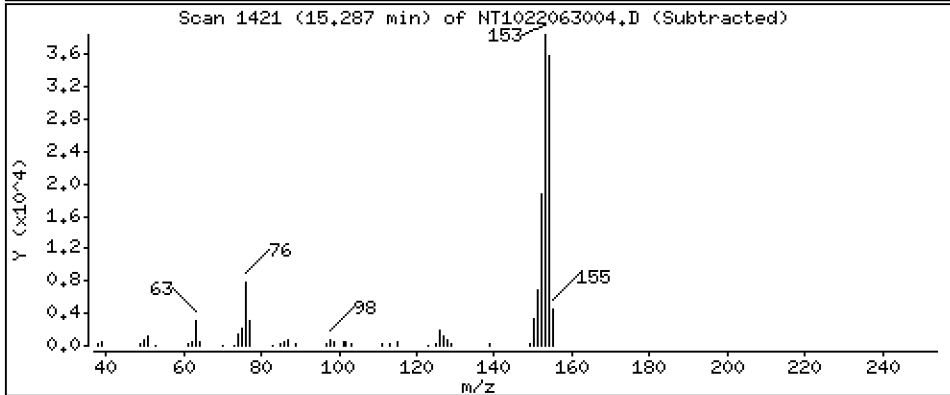
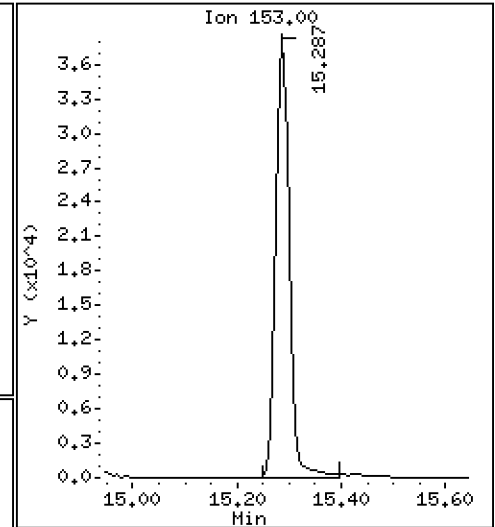
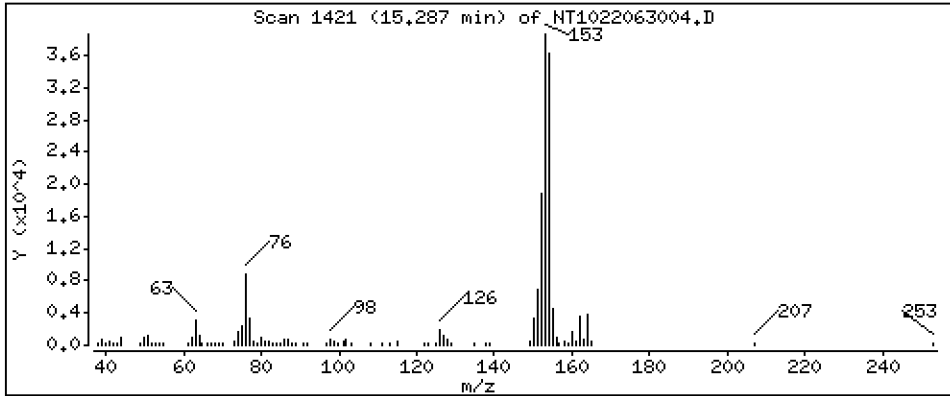
Operator: VTS

Column phase: ZB-5msi

Column diameter: 0,25

44 Acenaphthene

Concentration: 0,4101 ug/mL



Date : 30-JUN-2022 15:27

Client ID:

Instrument: nt10.i

Sample Info: SKG0010-LCV1

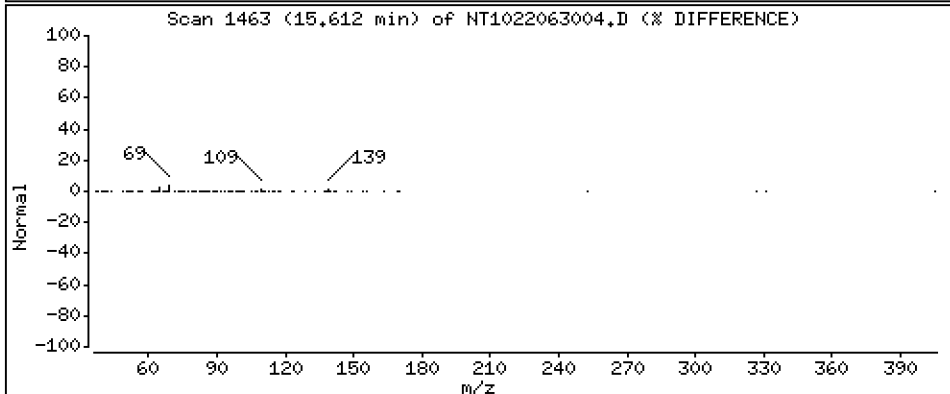
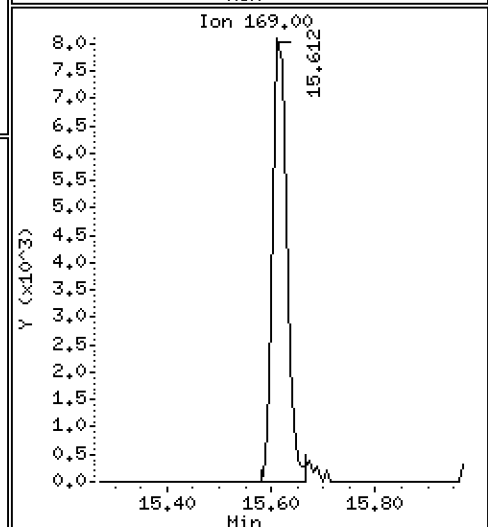
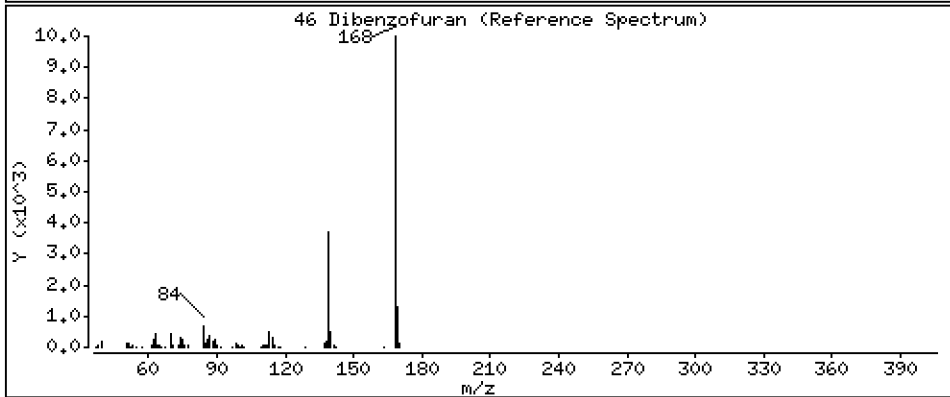
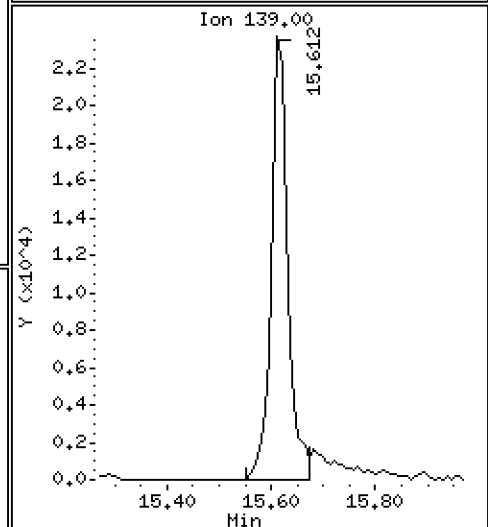
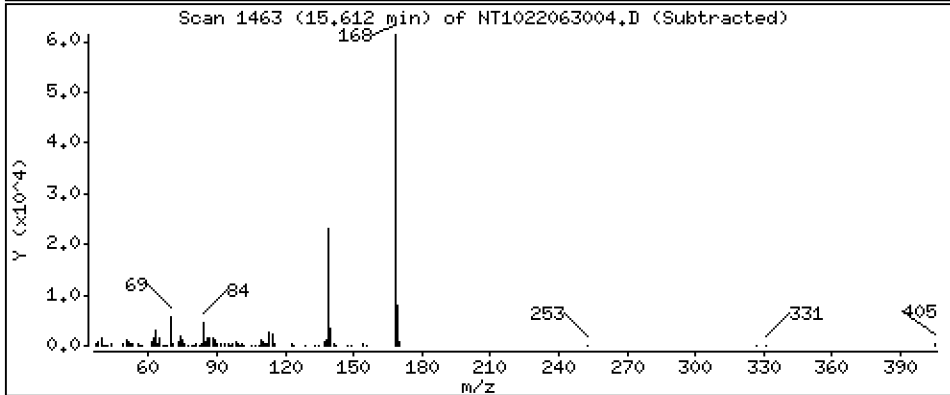
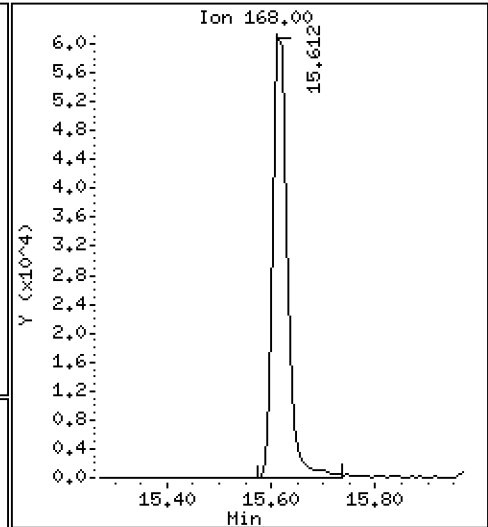
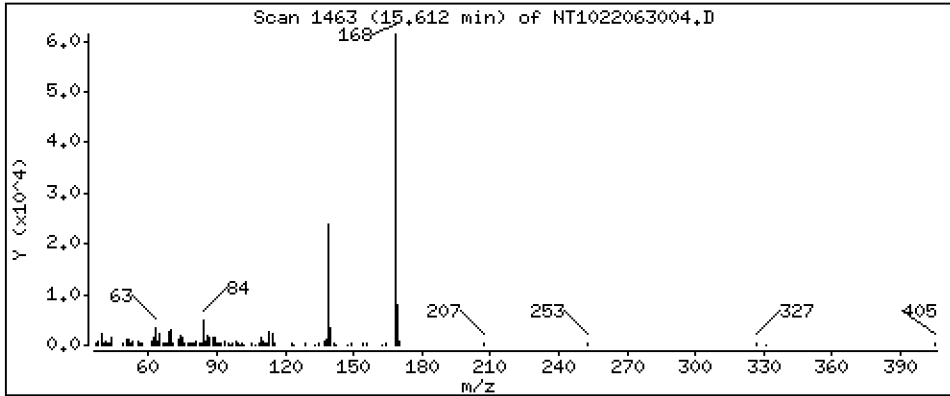
Operator: VTS

Column phase: ZB-5msi

Column diameter: 0,25

46 Dibenzofuran

Concentration: 0,4425 ug/mL



Date : 30-JUN-2022 15:27

Client ID:

Instrument: nt10.i

Sample Info: SKG0010-LCV1

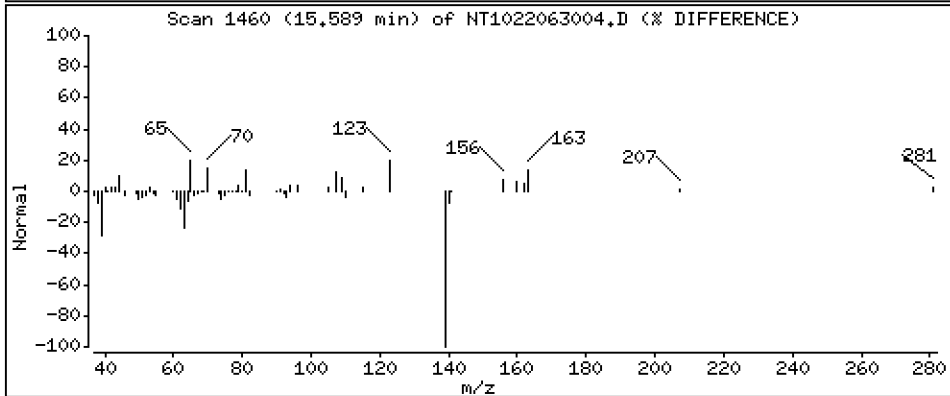
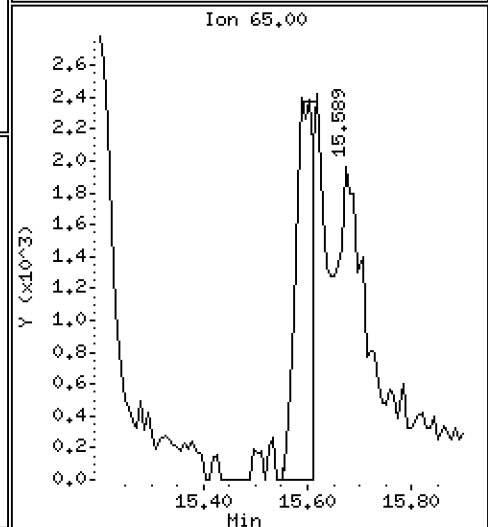
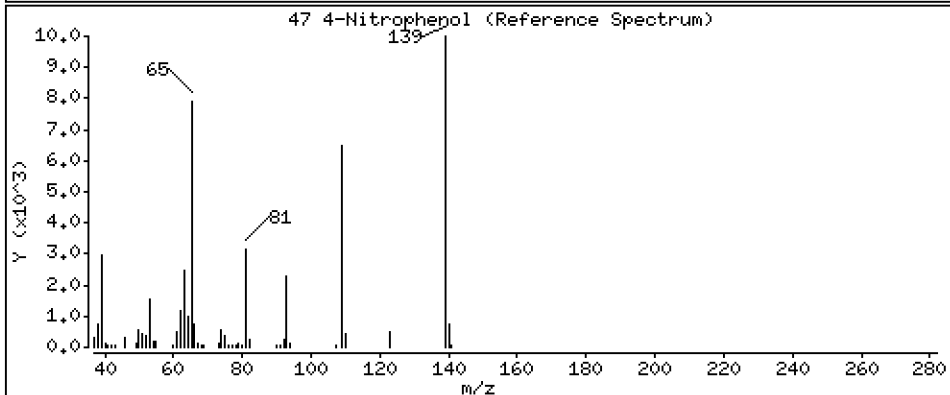
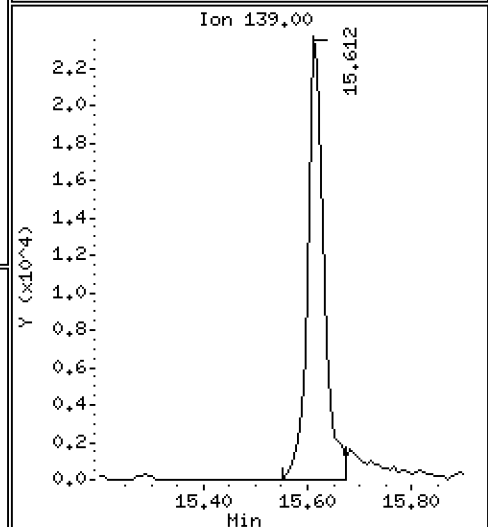
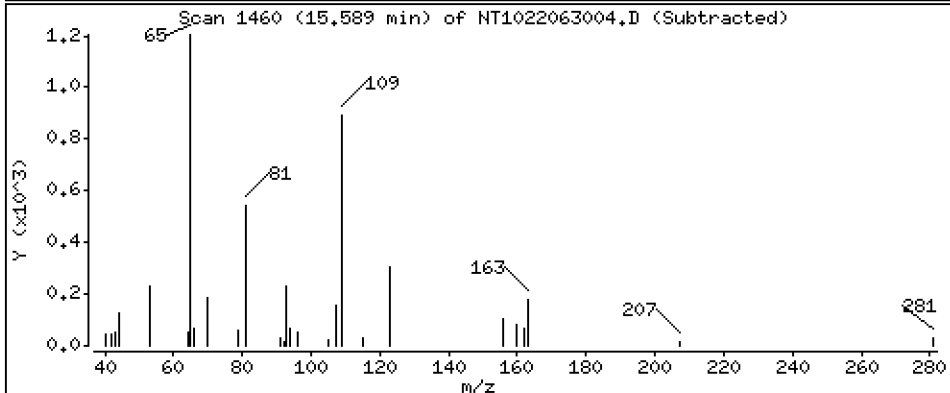
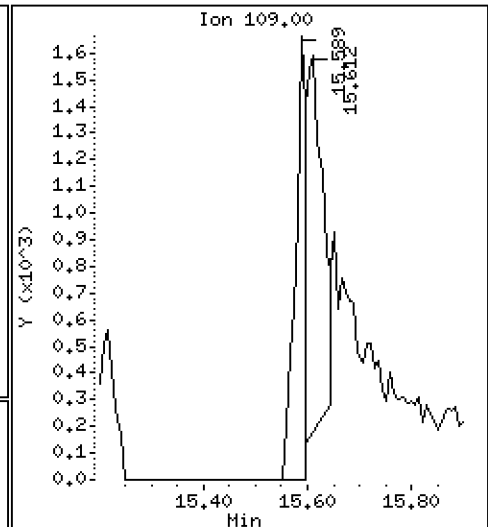
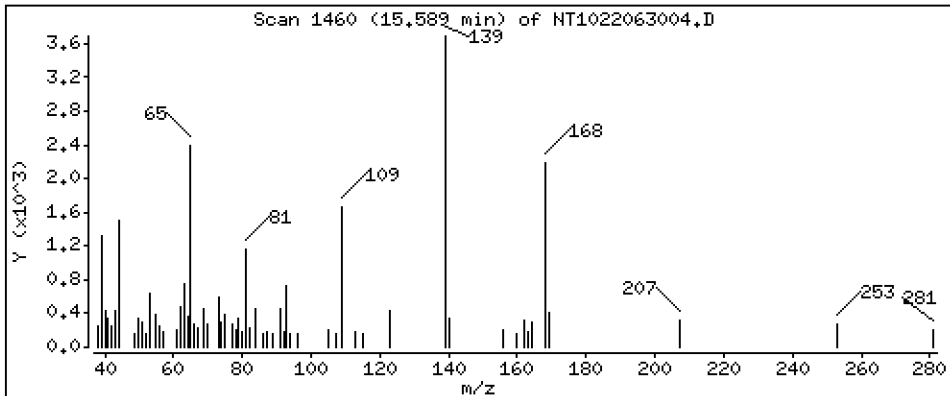
Operator: VTS

Column phase: ZB-5msi

Column diameter: 0.25

47 4-Nitrophenol

Concentration: 0.1427 ug/mL



Date : 30-JUN-2022 15:27

Client ID:

Instrument: nt10.i

Sample Info: SKG0010-LCV1

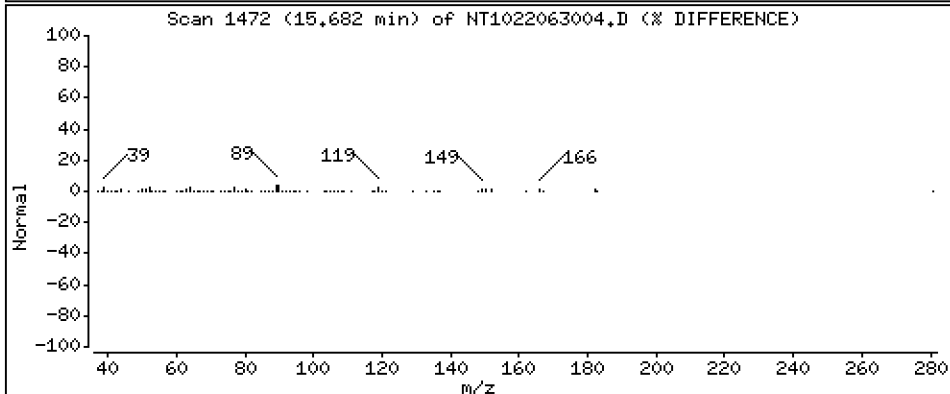
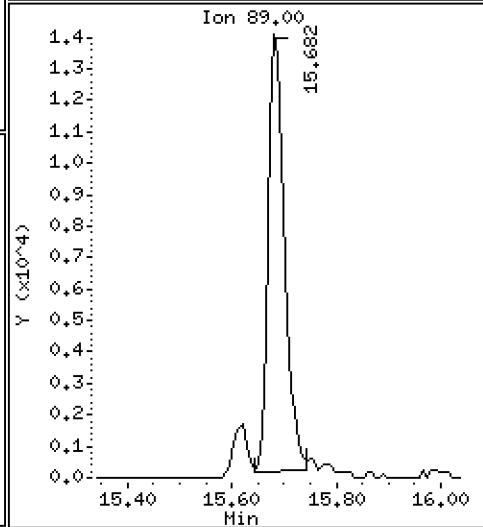
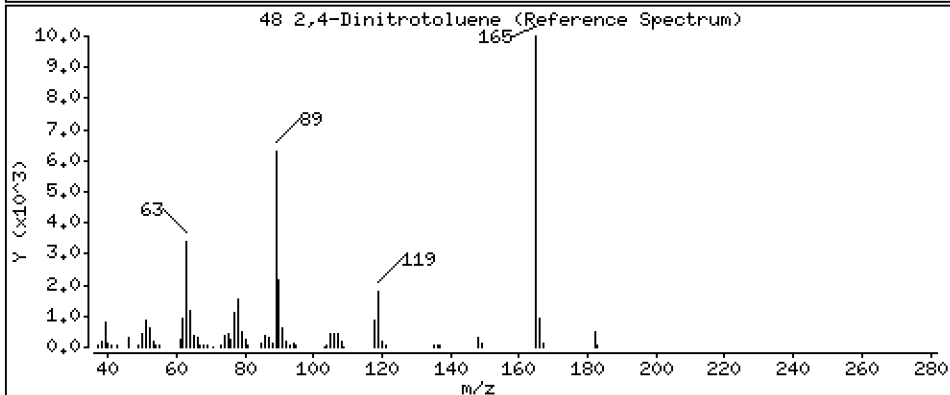
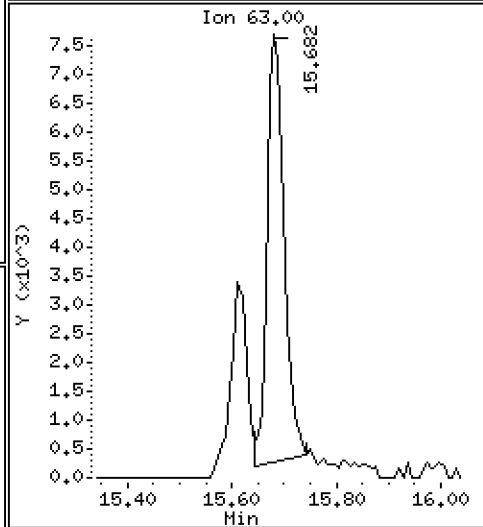
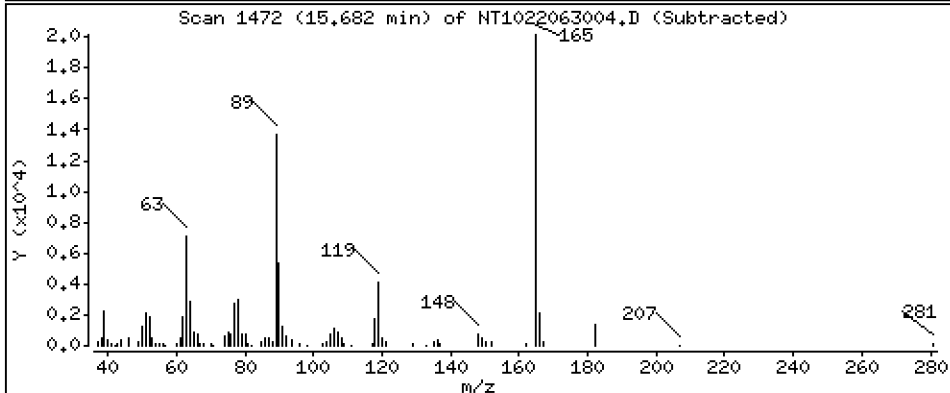
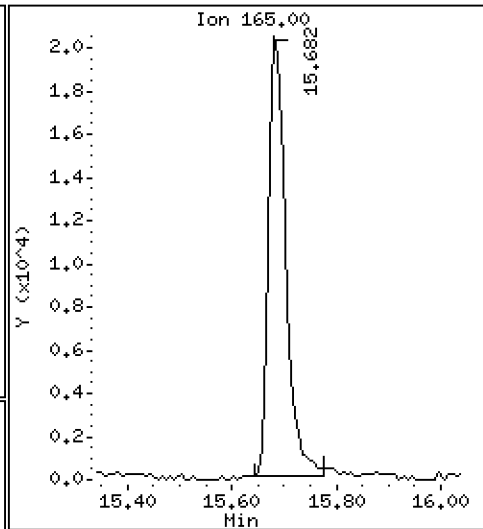
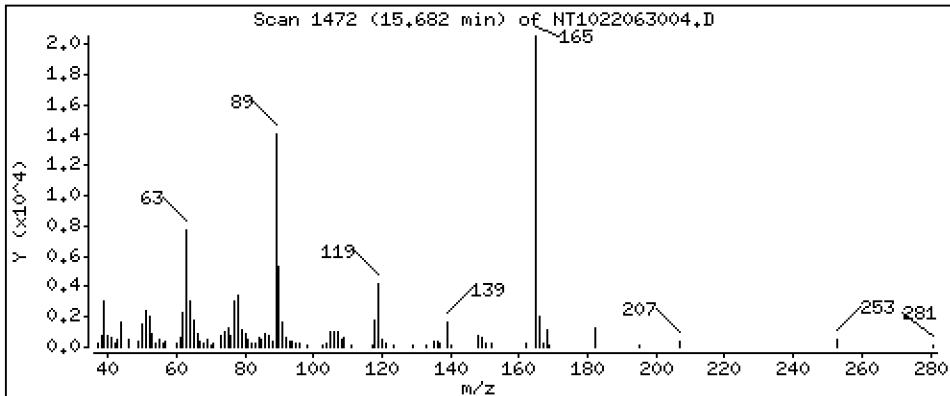
Operator: VTS

Column phase: ZB-5msi

Column diameter: 0,25

48 2,4-Dinitrotoluene

Concentration: 0,7489 ug/mL



Date : 30-JUN-2022 15:27

Client ID:

Instrument: nt10.i

Sample Info: SKG0010-LCV1

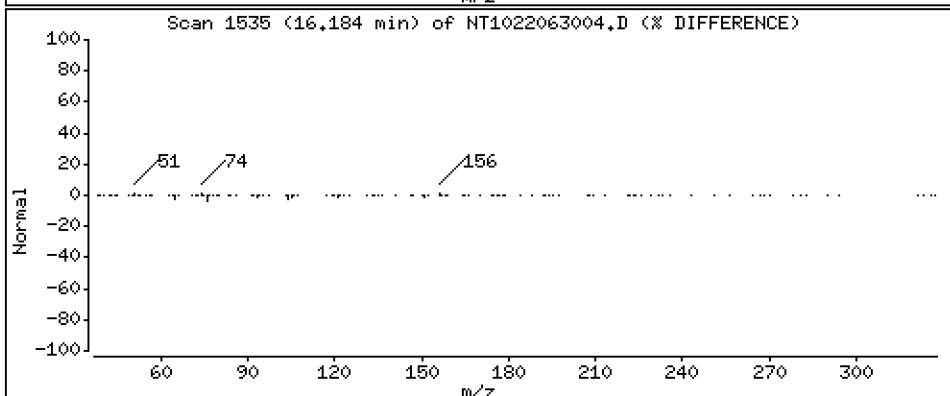
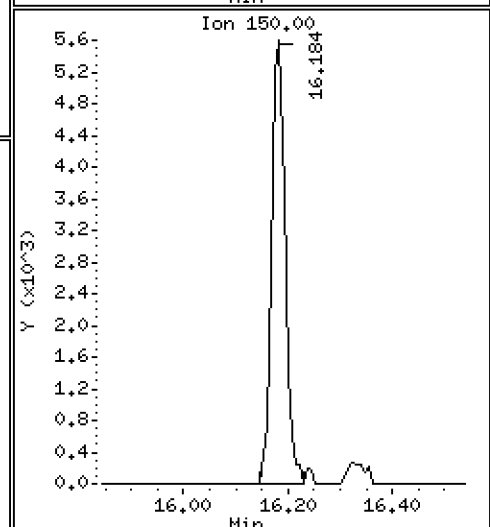
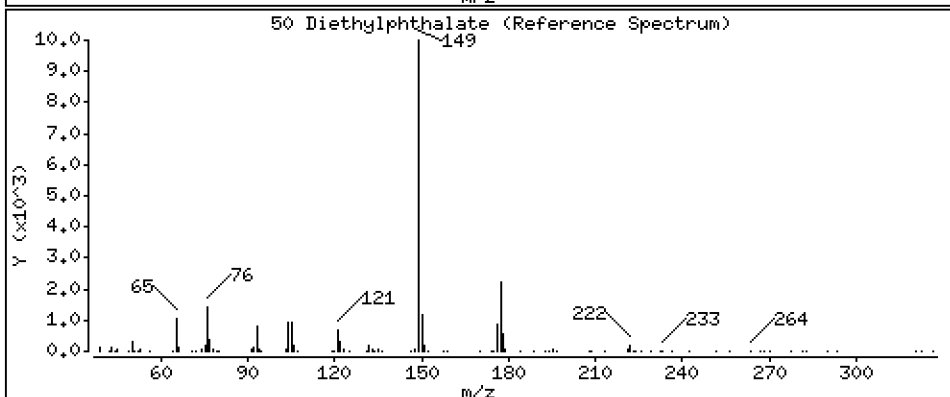
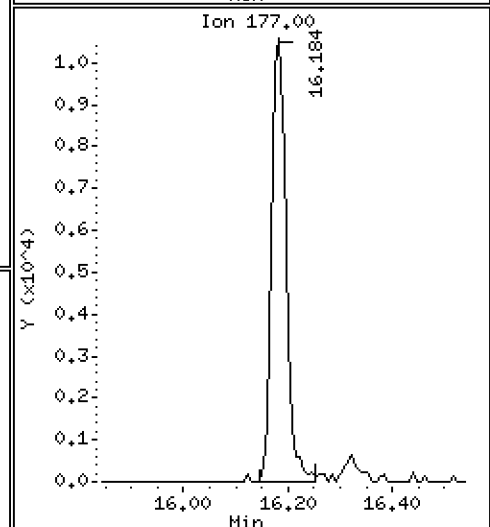
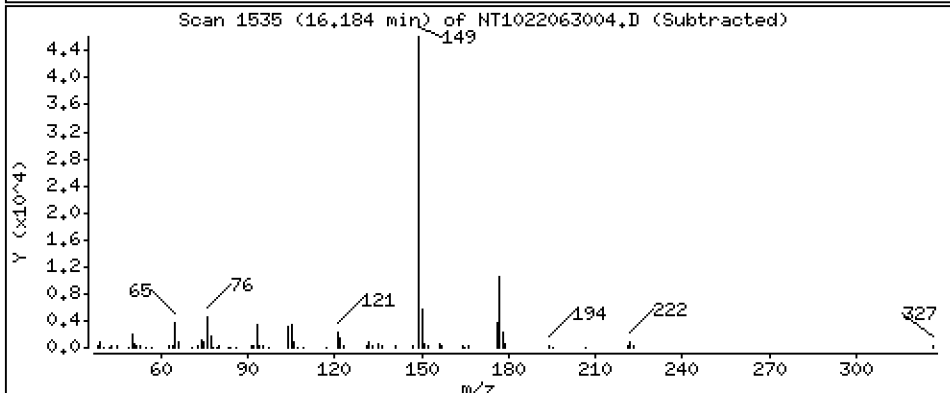
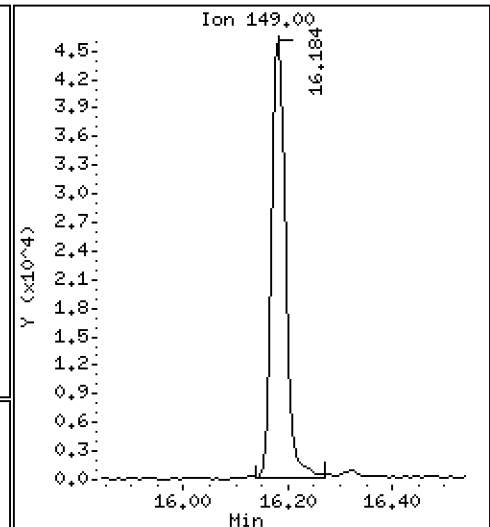
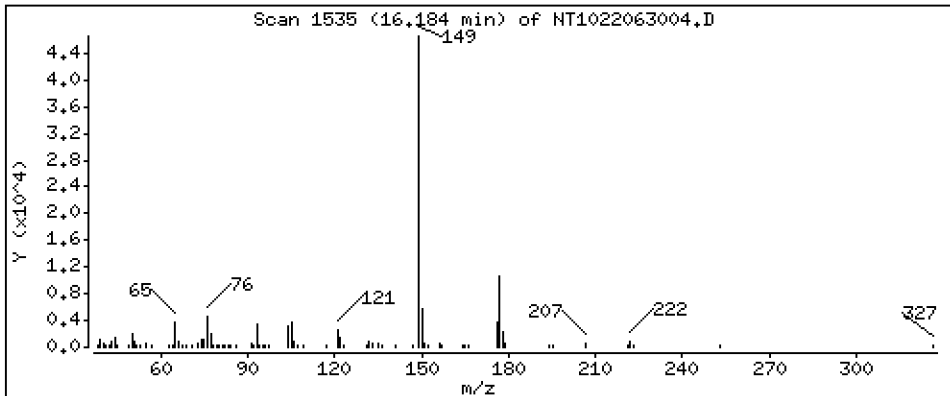
Operator: VTS

Column phase: ZB-5msi

Column diameter: 0,25

50 Diethylphthalate

Concentration: 0,4916 ug/mL



Date : 30-JUN-2022 15:27

Client ID:

Instrument: nt10.i

Sample Info: SKG0010-LCV1

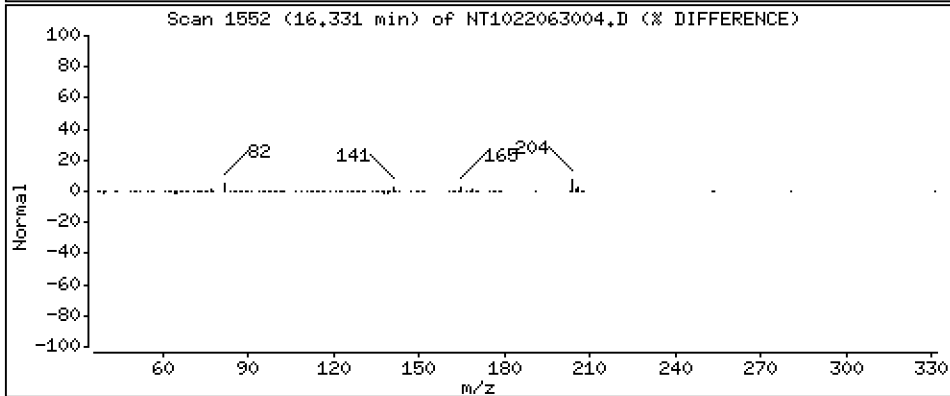
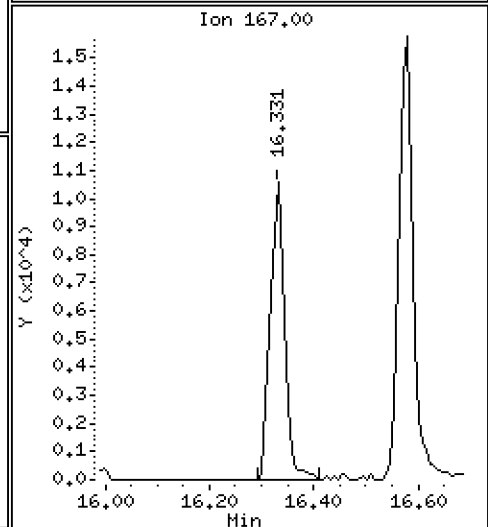
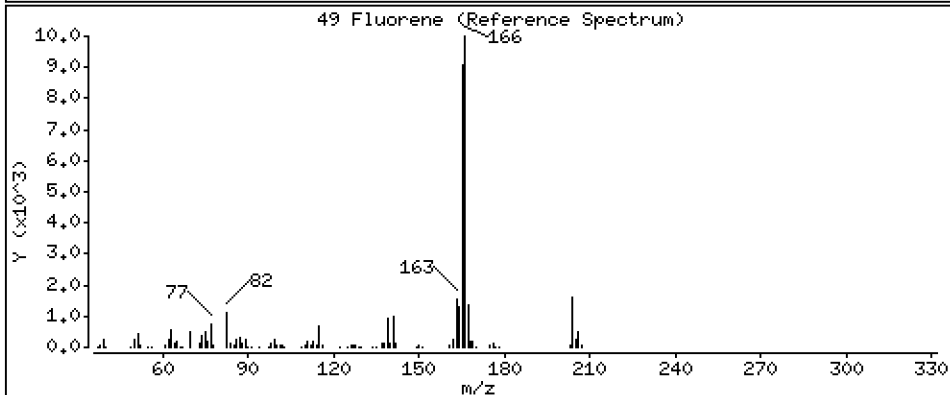
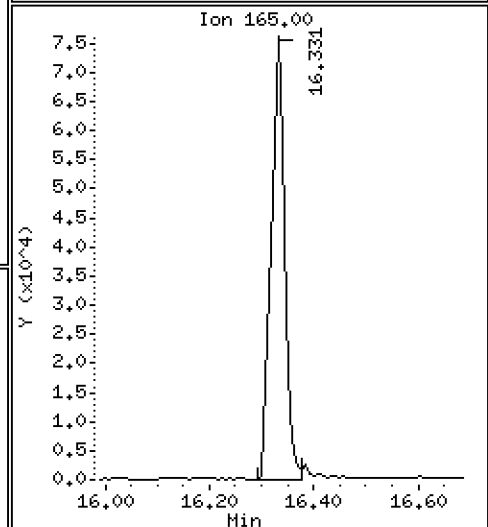
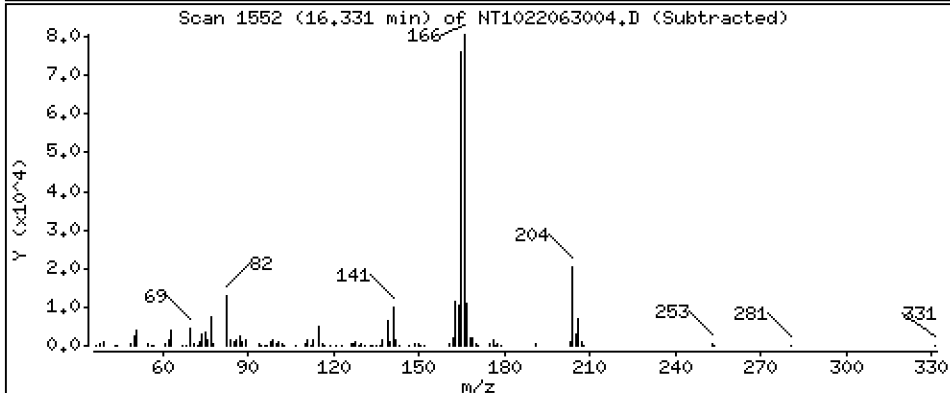
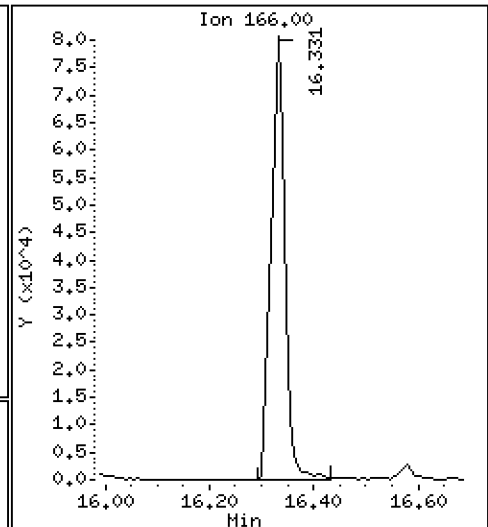
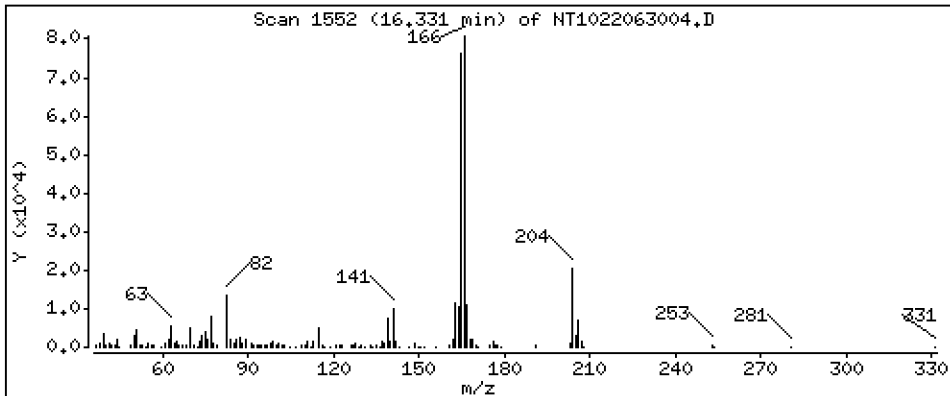
Operator: VTS

Column phase: ZB-5msi

Column diameter: 0,25

49 Fluorene

Concentration: 0,4284 ug/mL



Date : 30-JUN-2022 15:27

Client ID:

Instrument: nt10.i

Sample Info: SKG0010-LCV1

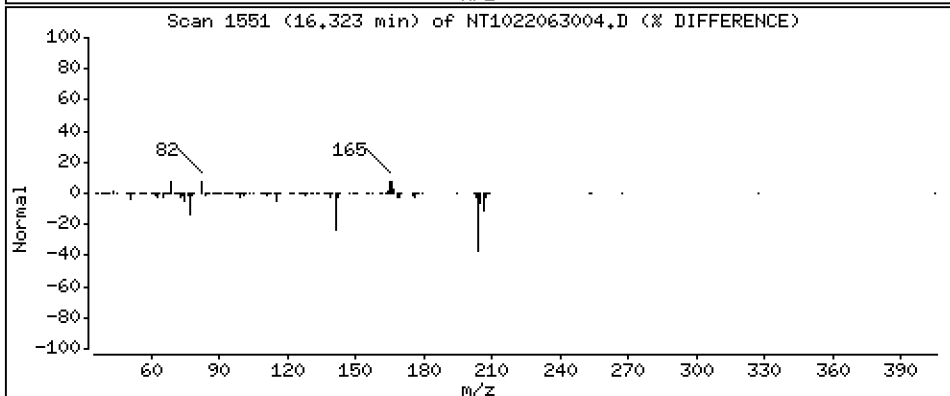
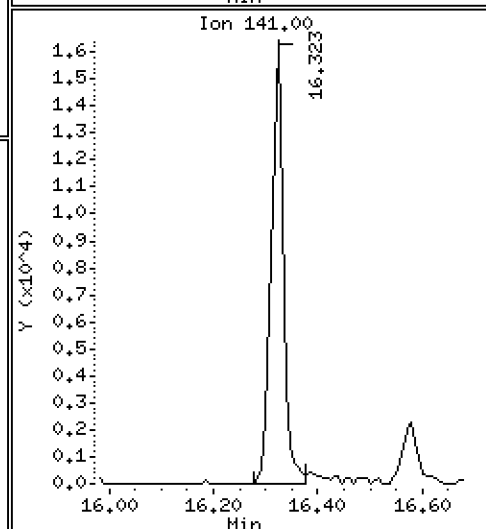
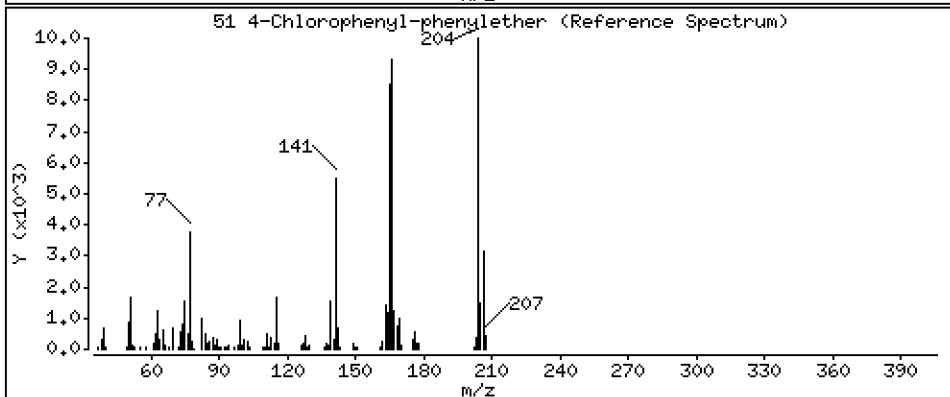
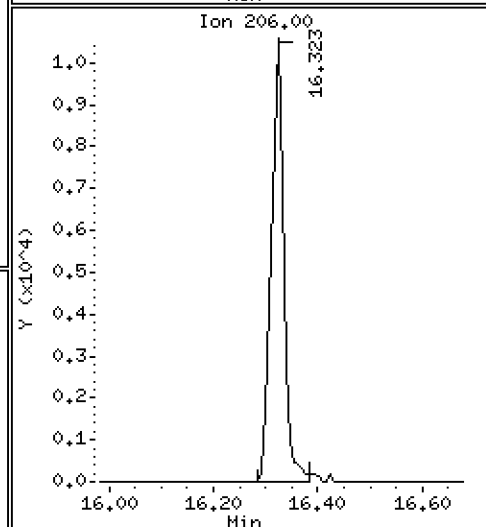
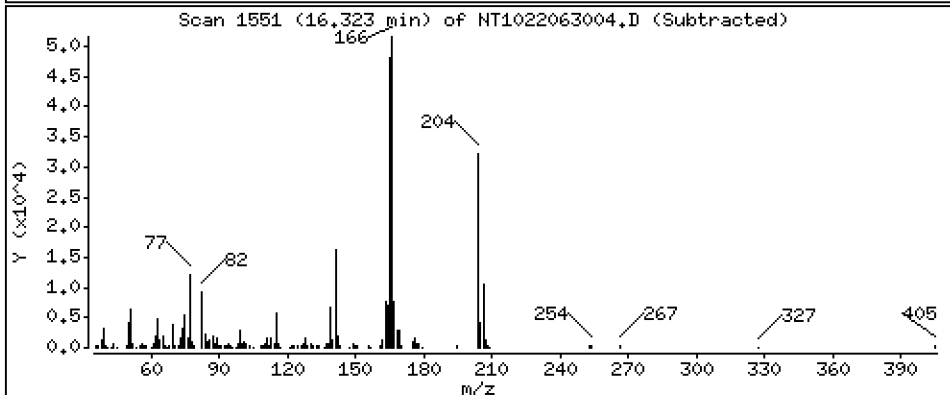
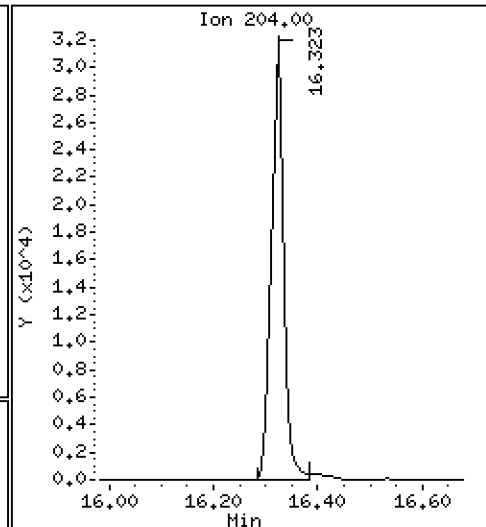
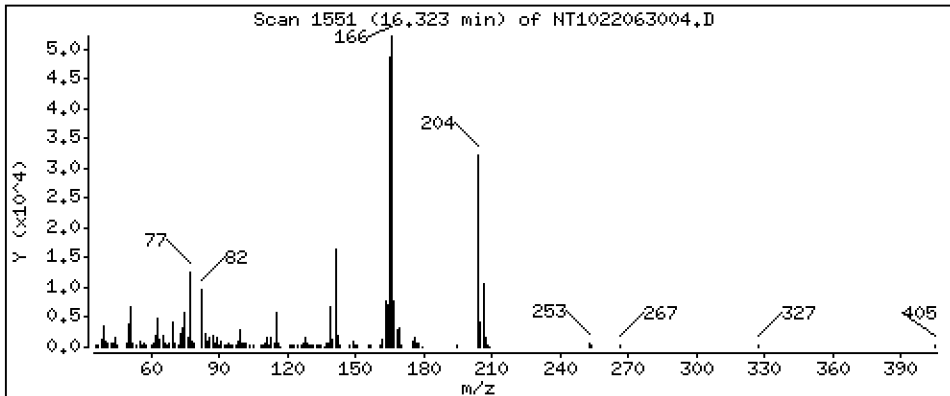
Operator: VTS

Column phase: ZB-5msi

Column diameter: 0,25

51 4-Chlorophenyl-phenylether

Concentration: 0,2931 ug/mL



Date : 30-JUN-2022 15:27

Client ID:

Instrument: nt10.i

Sample Info: SKG0010-LCV1

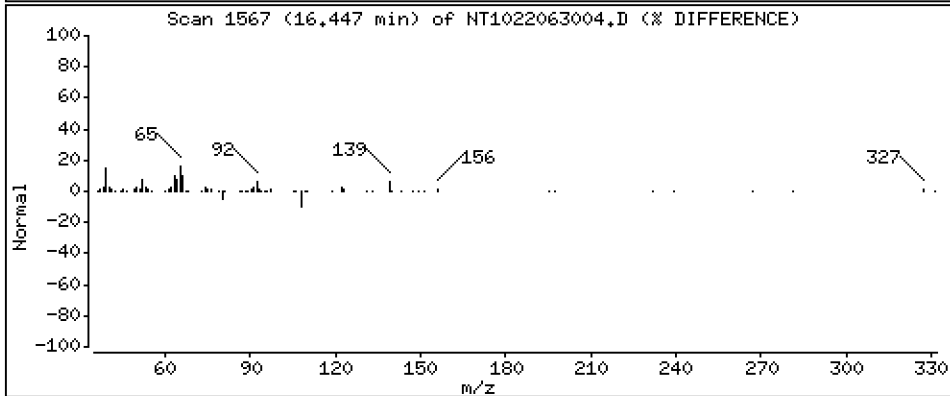
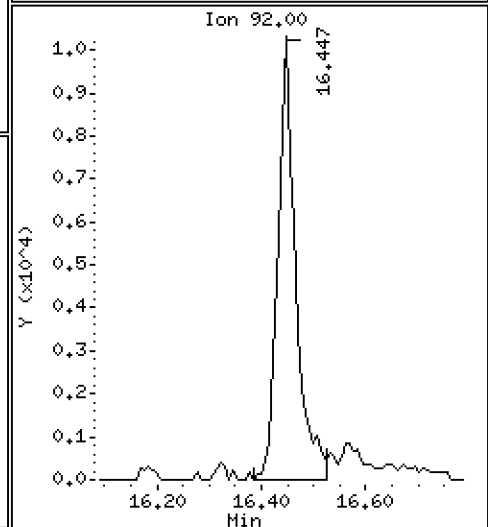
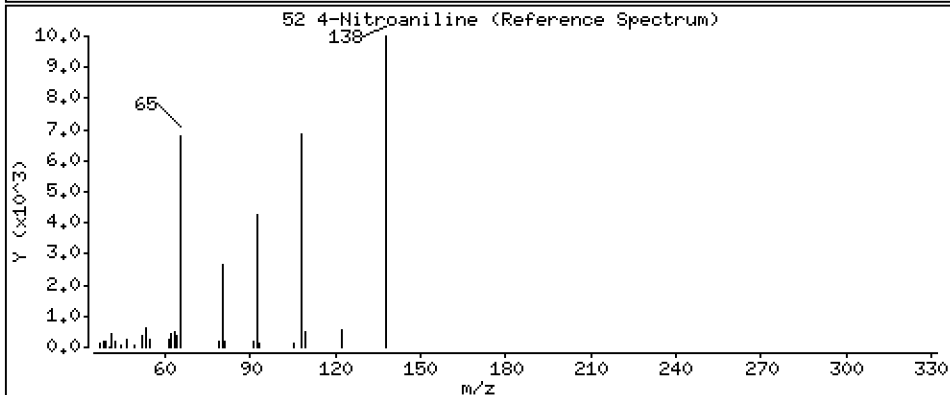
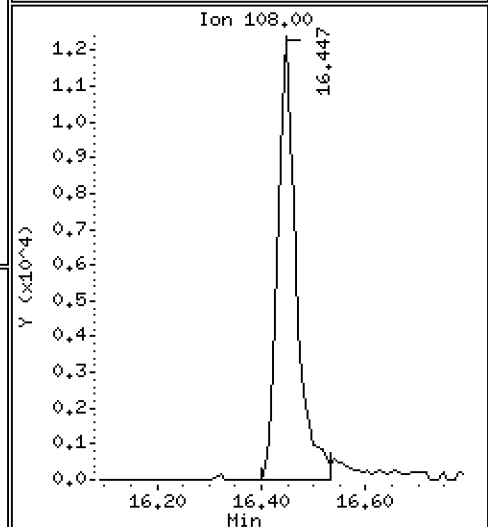
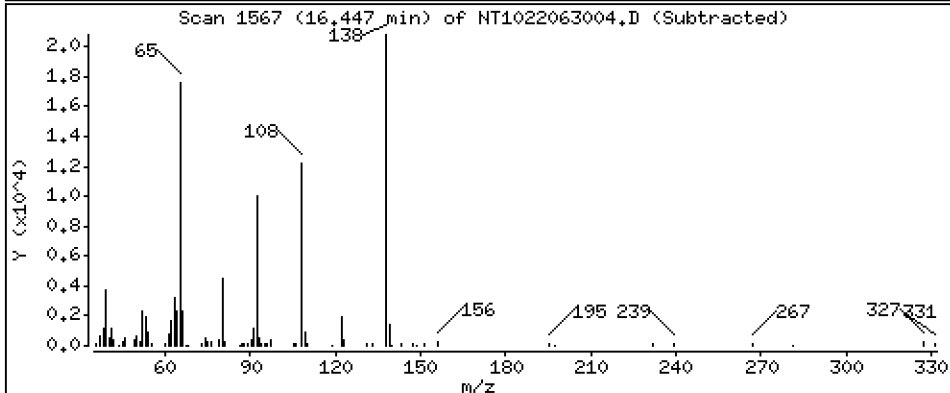
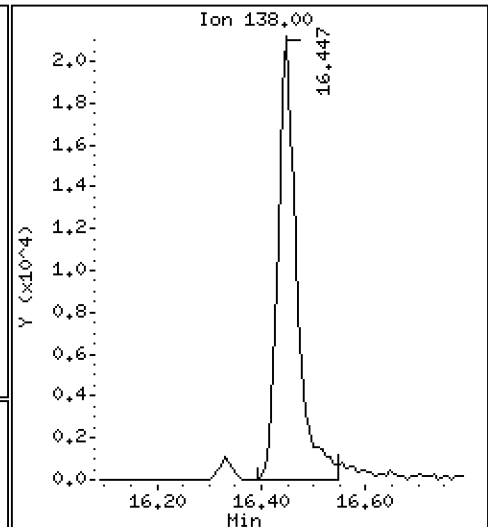
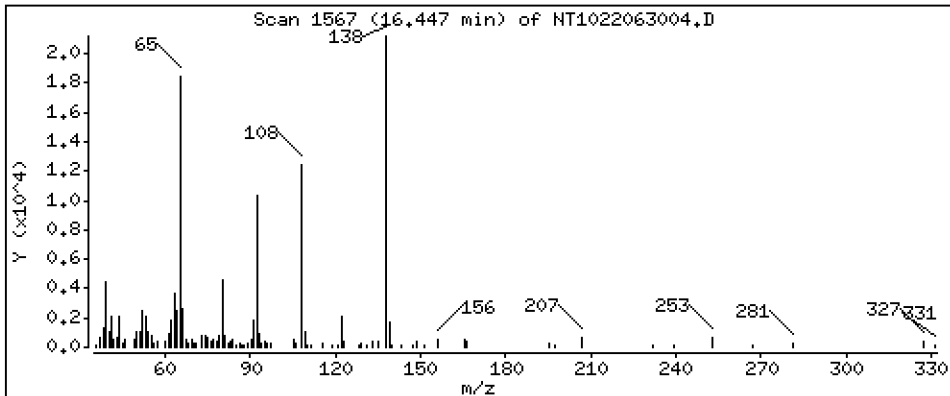
Operator: VTS

Column phase: ZB-5msi

Column diameter: 0,25

52 4-Nitroaniline

Concentration: 1,012 ug/mL



Date : 30-JUN-2022 15:27

Client ID:

Instrument: nt10.i

Sample Info: SKG0010-LCV1

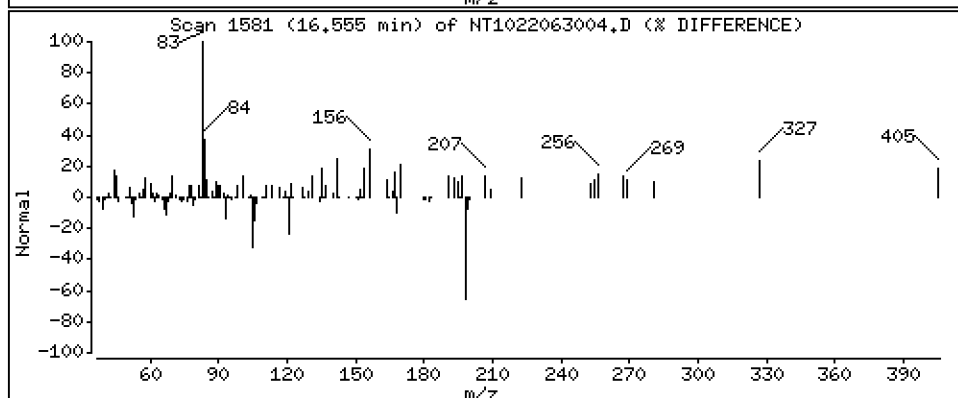
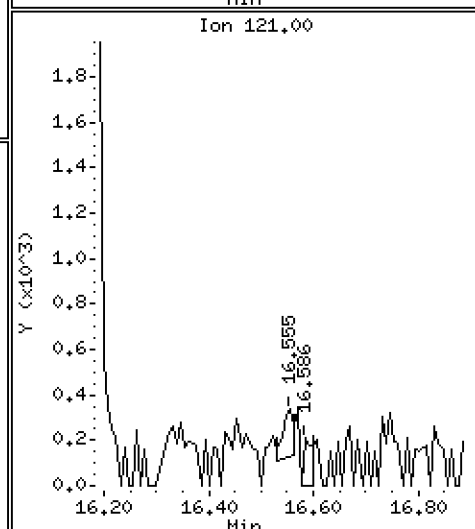
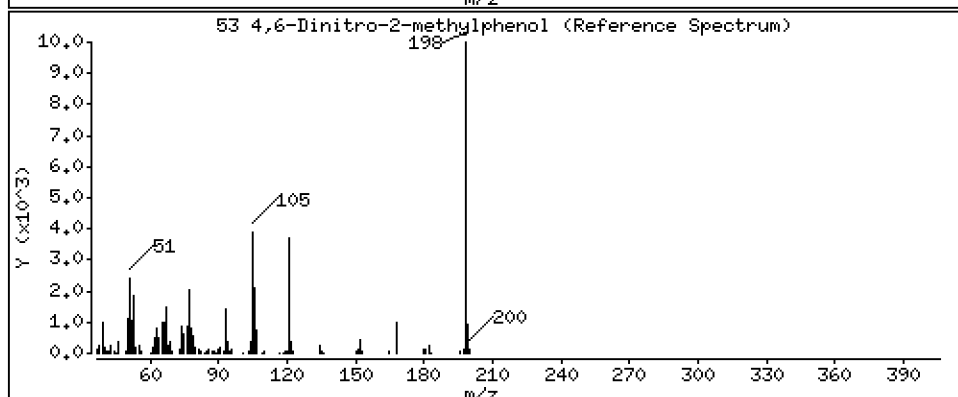
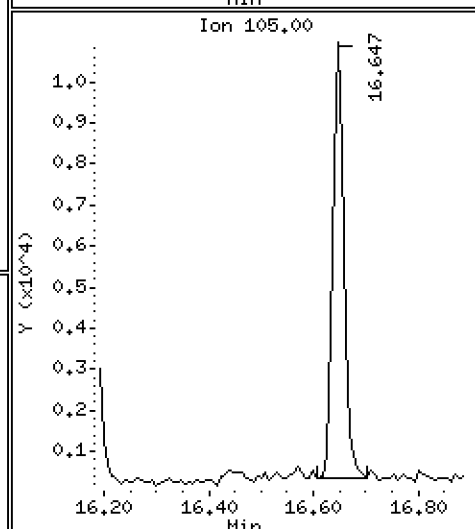
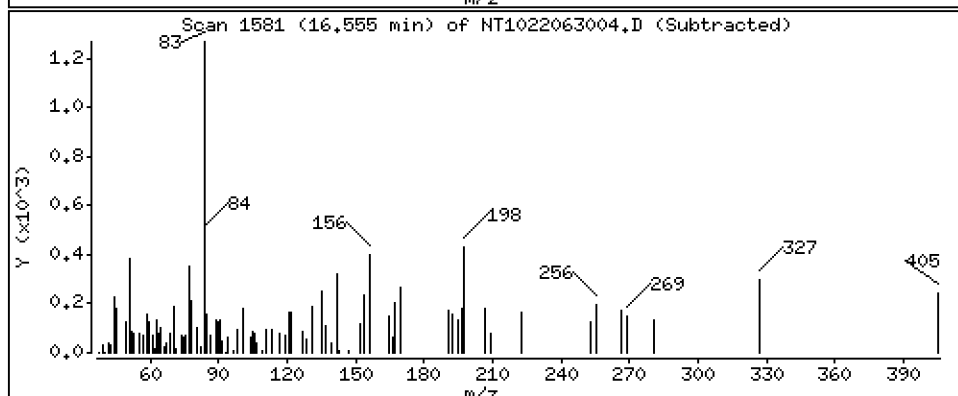
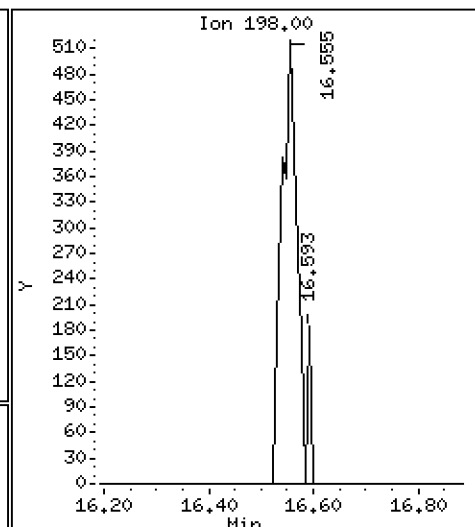
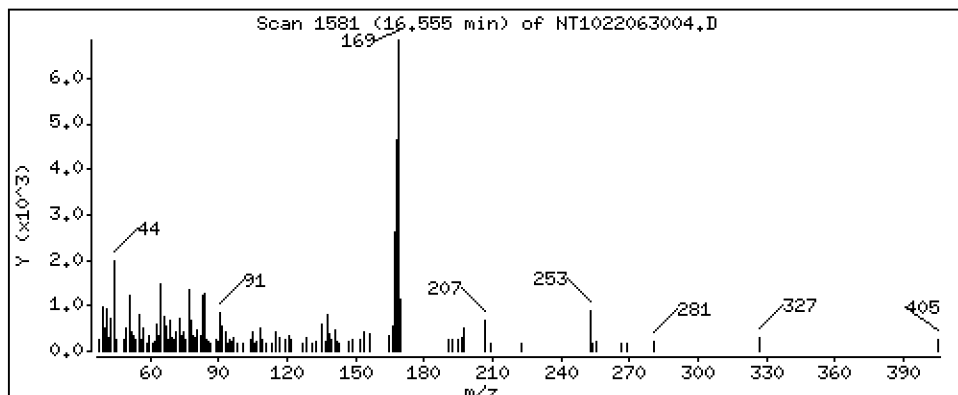
Operator: VTS

Column phase: ZB-5msi

Column diameter: 0.25

53 4,6-Dinitro-2-methylphenol

Concentration: 0.02645 ug/mL



Date : 30-JUN-2022 15:27

Client ID:

Instrument: nt10.i

Sample Info: SKG0010-LCV1

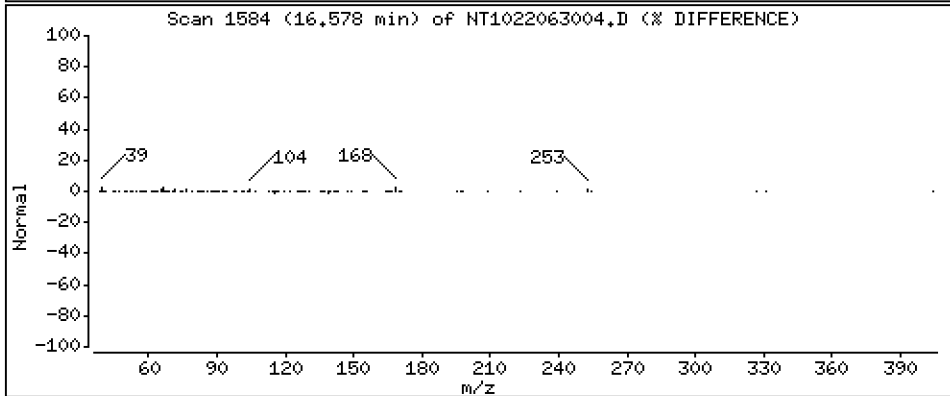
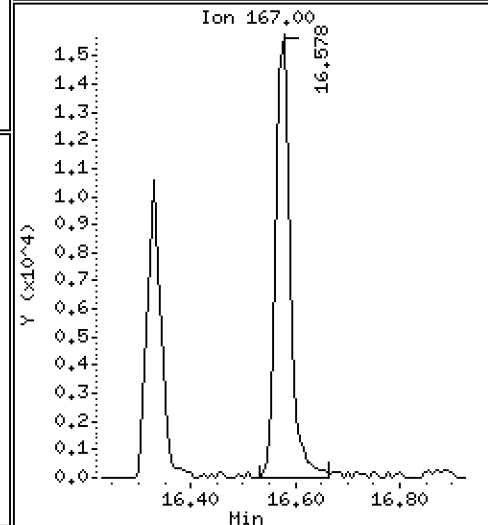
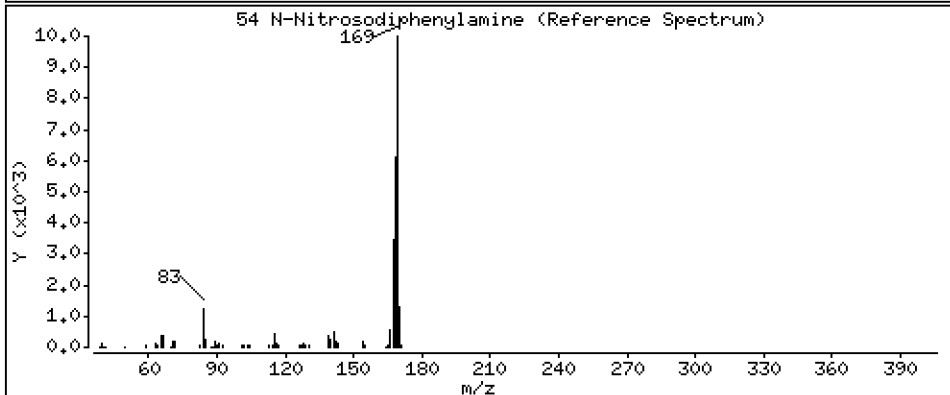
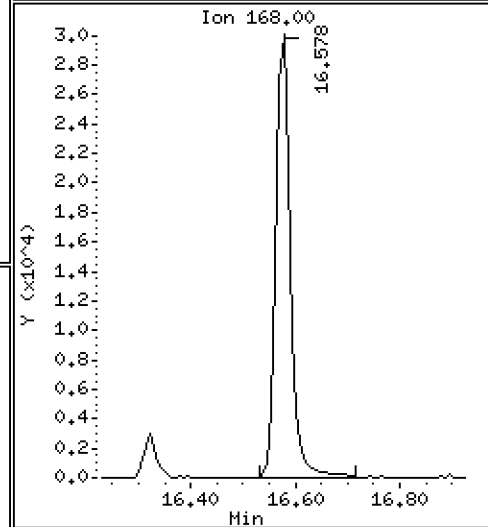
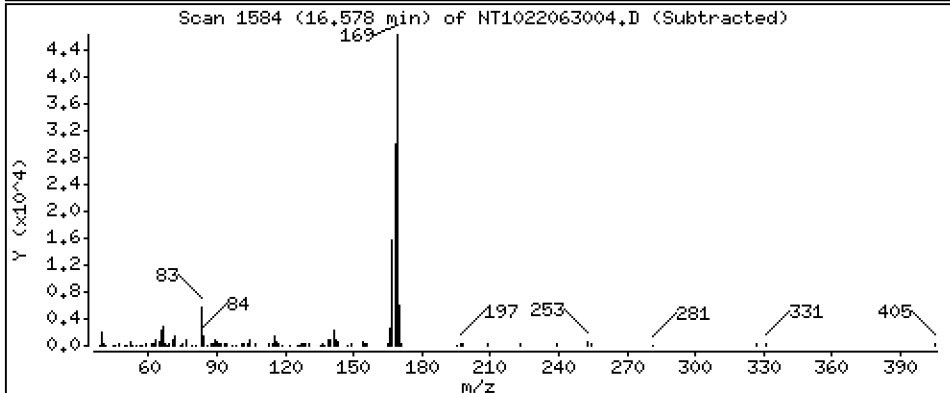
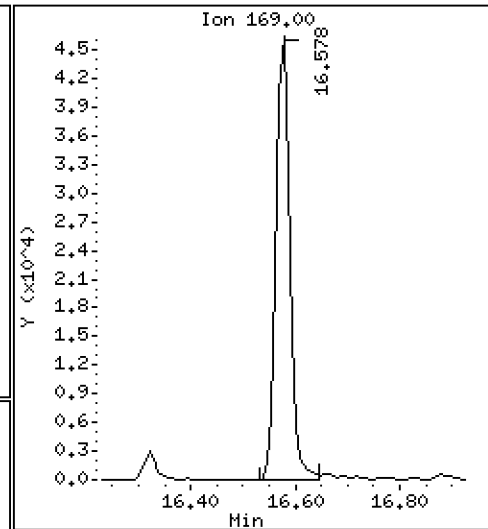
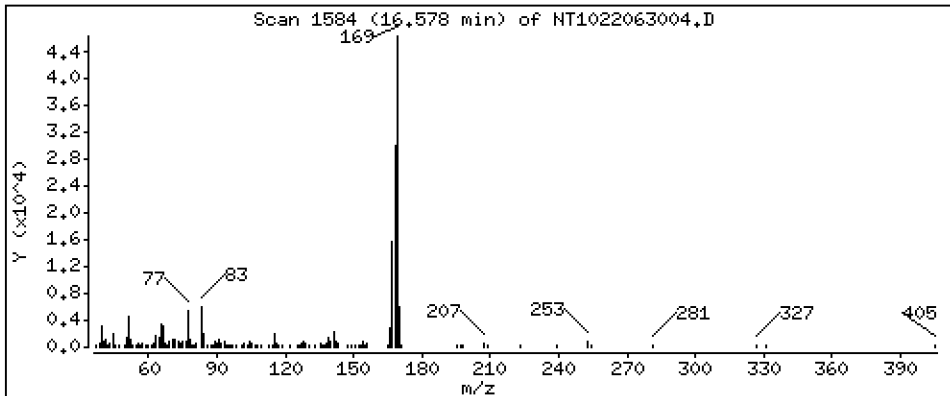
Operator: VTS

Column phase: ZB-5msi

Column diameter: 0,25

54 N-Nitrosodiphenylamine

Concentration: 0,5115 ug/mL



Date : 30-JUN-2022 15:27

Client ID:

Instrument: nt10.i

Sample Info: SKG0010-LCV1

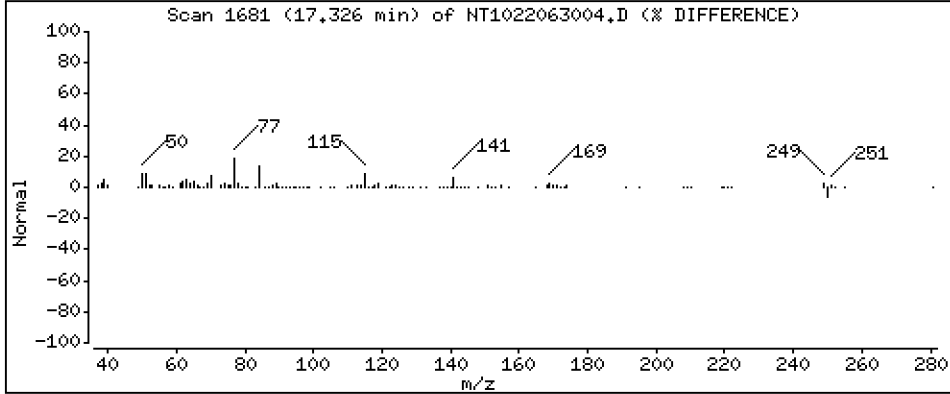
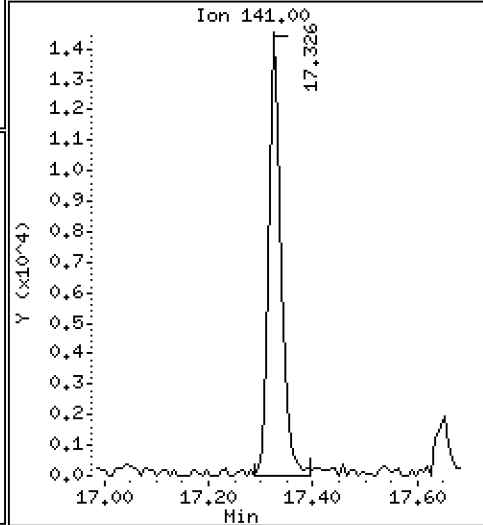
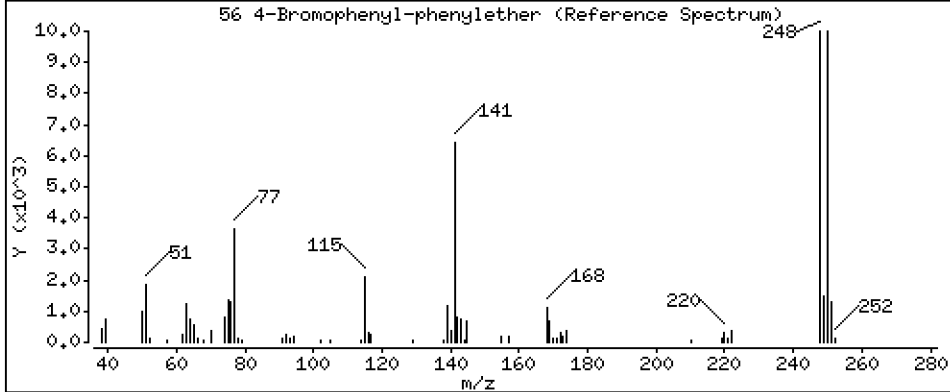
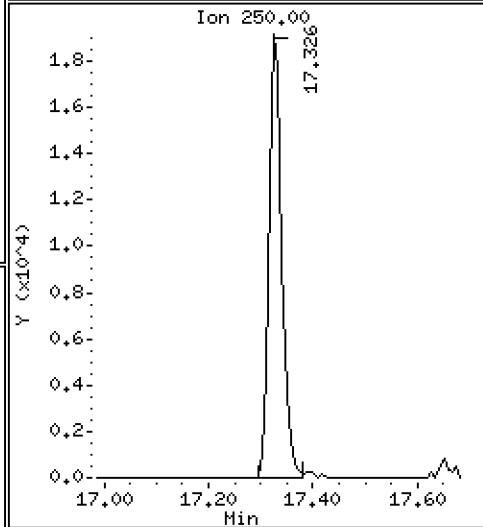
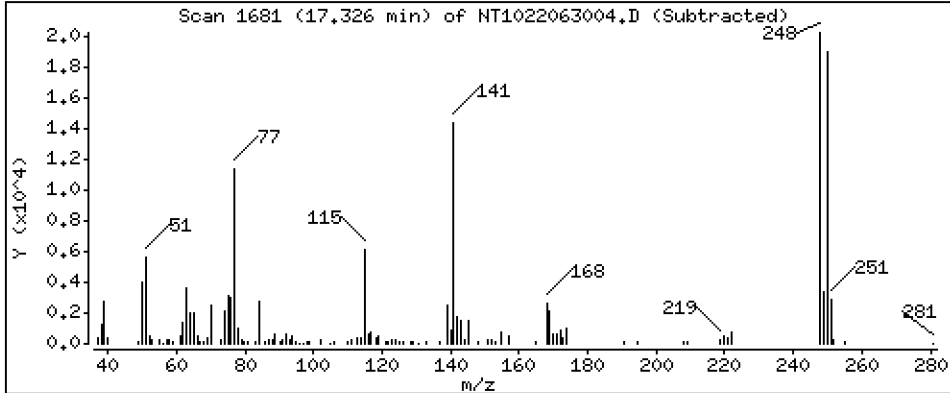
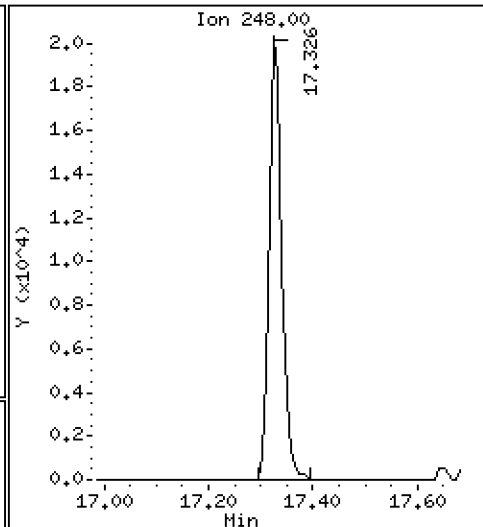
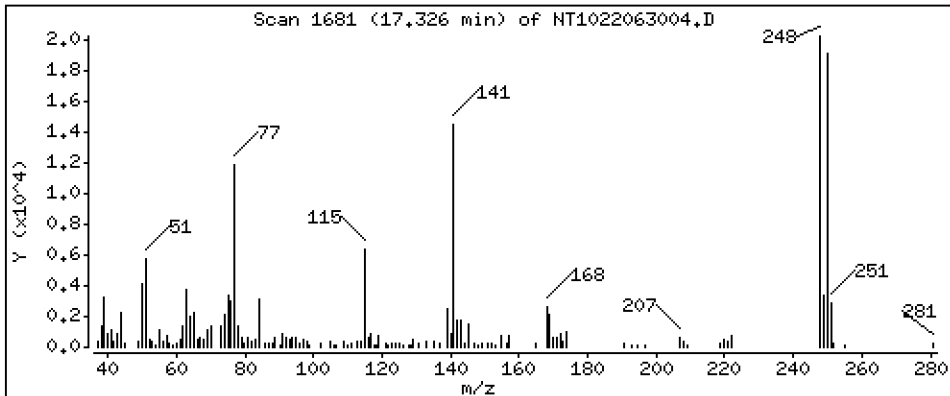
Operator: VTS

Column phase: ZB-5msi

Column diameter: 0,25

56 4-Bromophenyl-phenylether

Concentration: 0,4606 ug/mL



Date : 30-JUN-2022 15:27

Client ID:

Instrument: nt10.i

Sample Info: SKG0010-LCV1

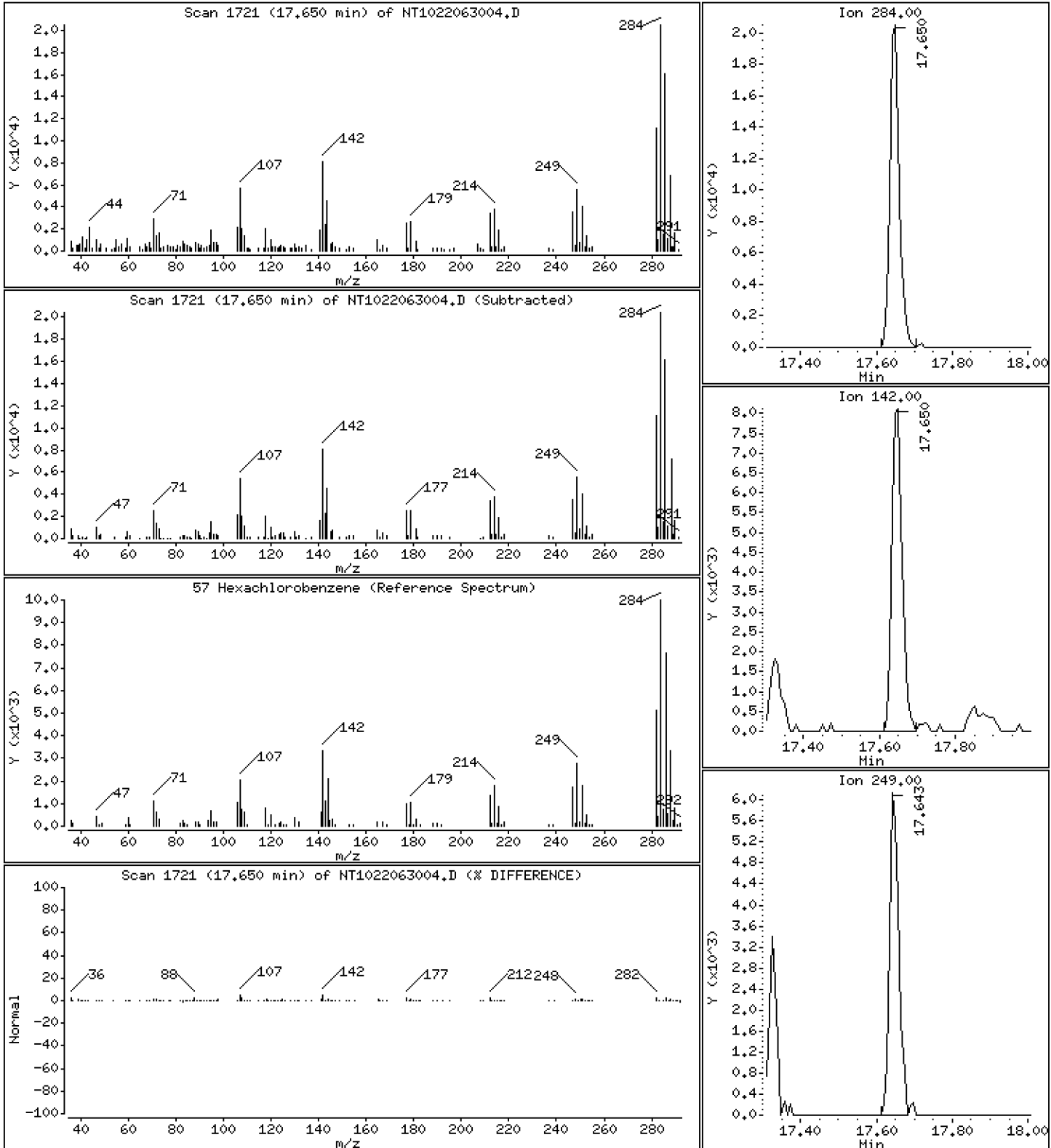
Operator: VTS

Column phase: ZB-5msi

Column diameter: 0,25

57 Hexachlorobenzene

Concentration: 0,5069 ug/mL



Date : 30-JUN-2022 15:27

Client ID:

Instrument: nt10.i

Sample Info: SKG0010-LCV1

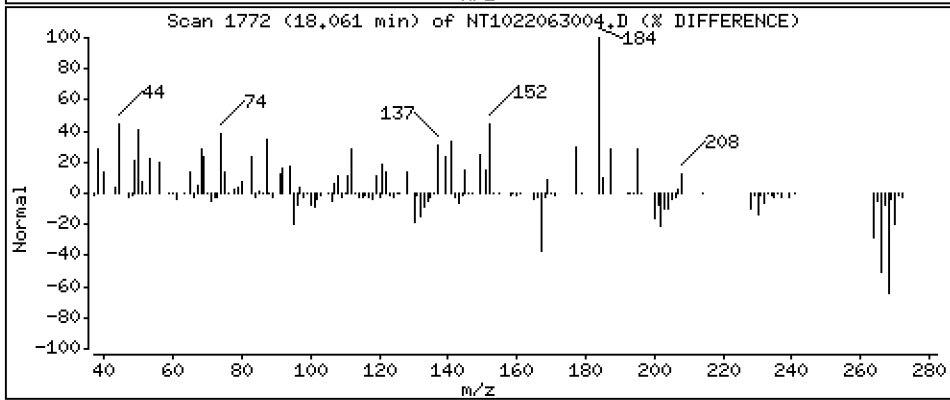
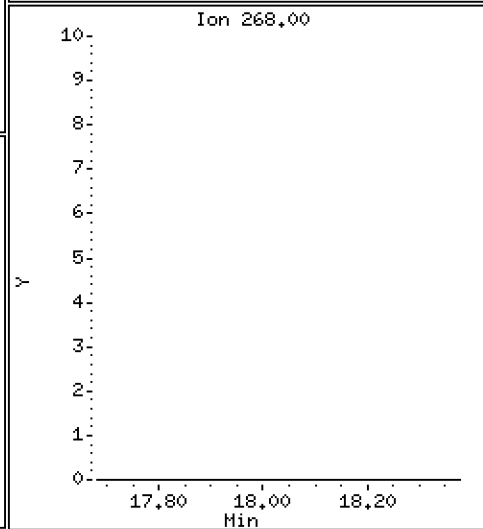
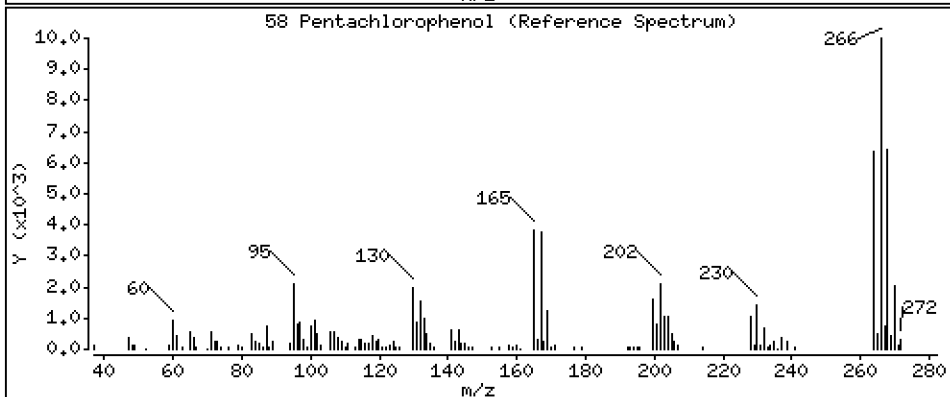
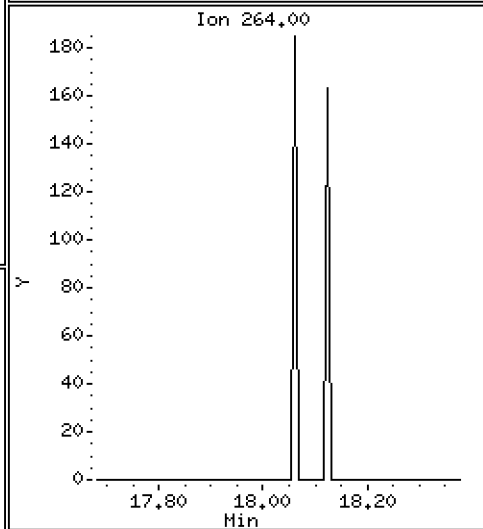
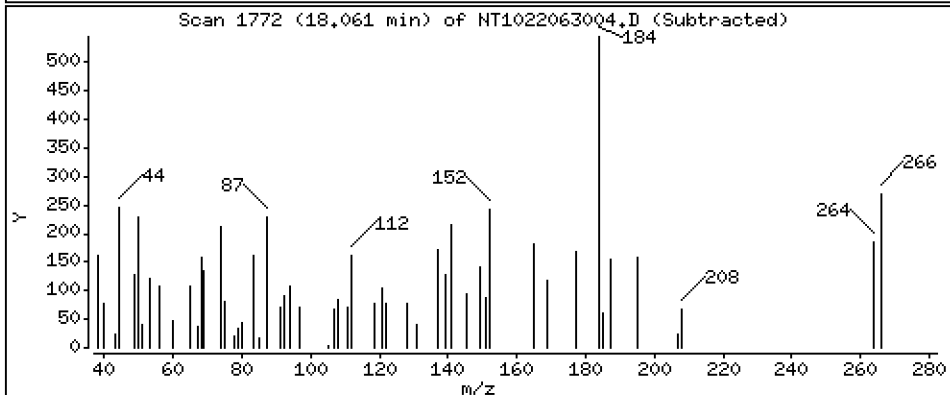
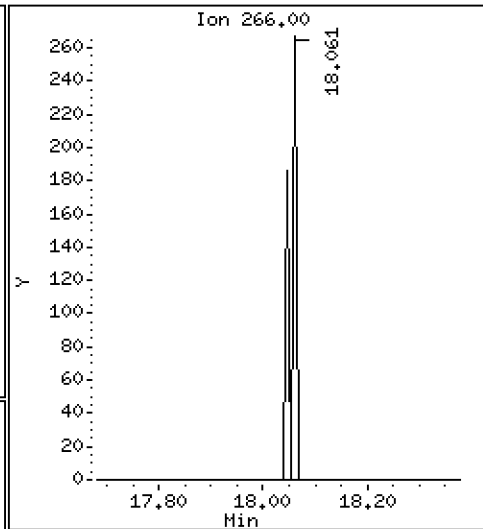
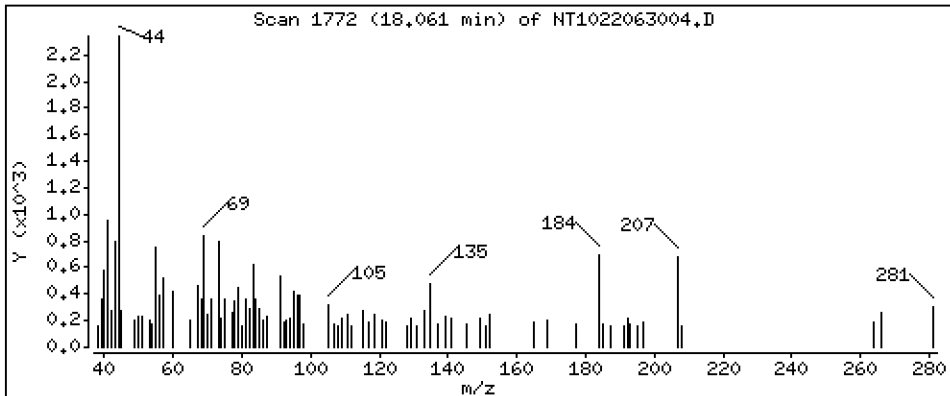
Operator: VTS

Column phase: ZB-5msi

Column diameter: 0,25

58 Pentachlorophenol

Concentration: 0,01385 ug/mL



Date : 30-JUN-2022 15:27

Client ID:

Instrument: nt10.i

Sample Info: SKG0010-LCV1

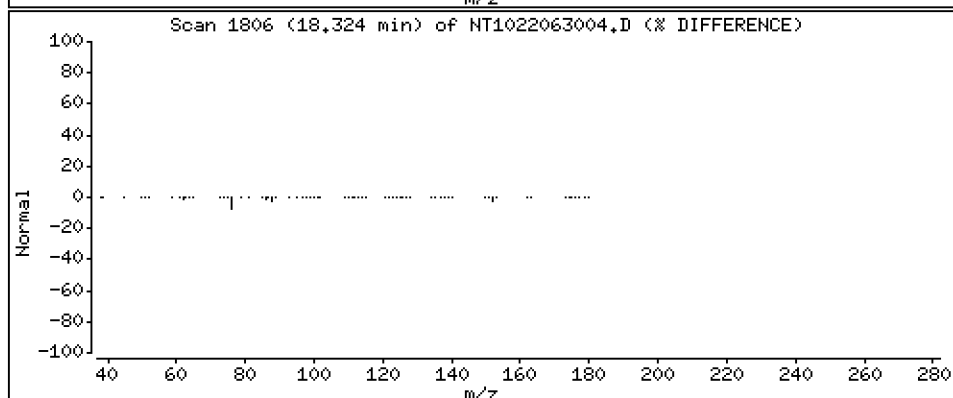
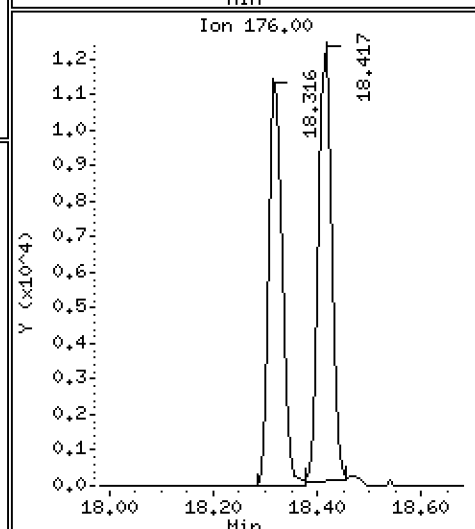
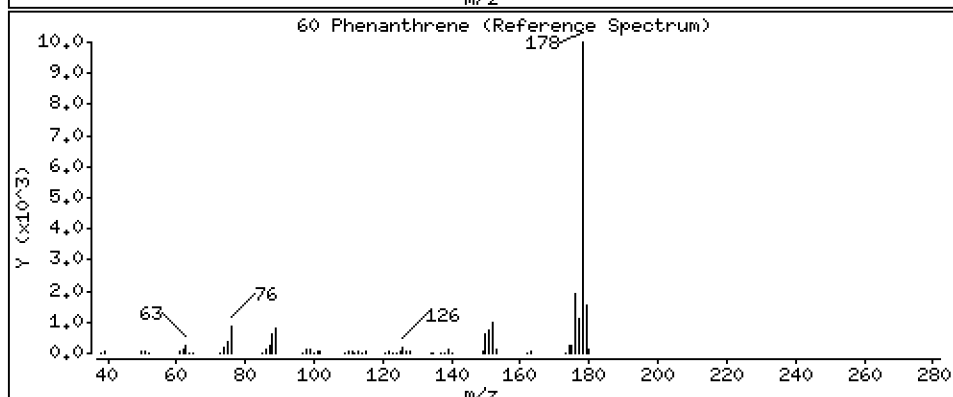
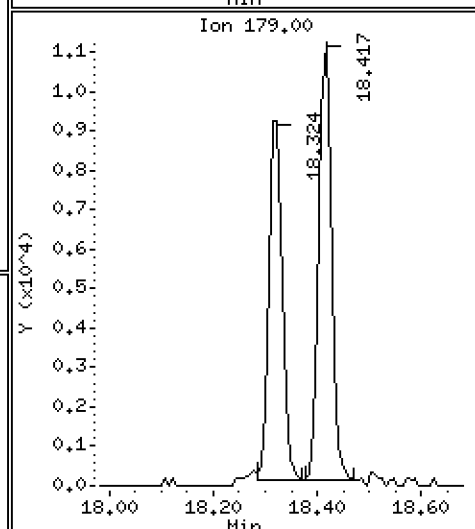
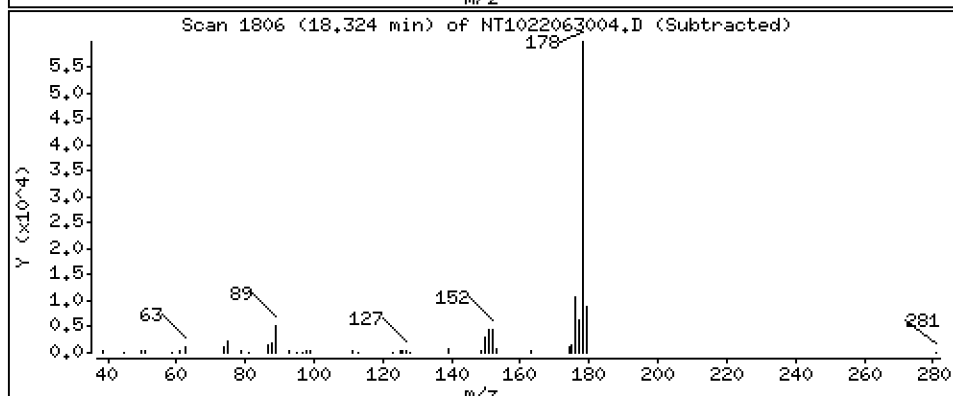
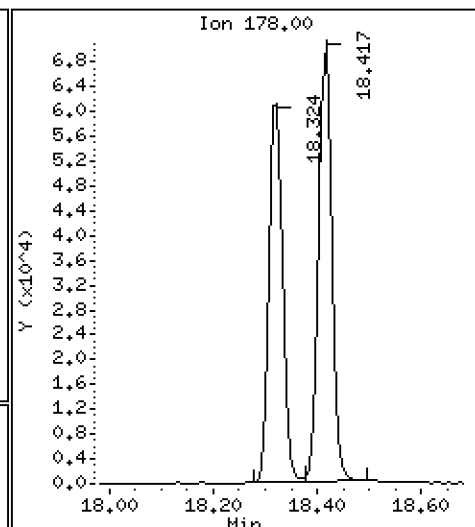
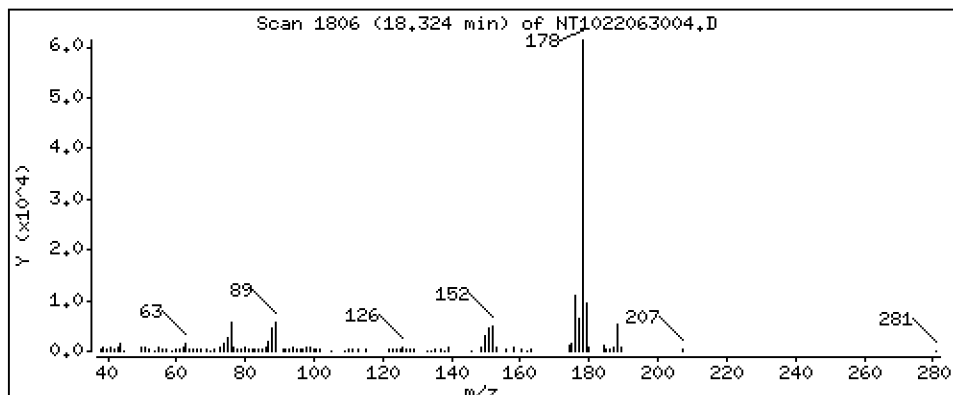
Operator: VTS

Column phase: ZB-5msi

Column diameter: 0,25

60 Phenanthrene

Concentration: 0,4012 ug/mL



Date : 30-JUN-2022 15:27

Client ID:

Instrument: nt10.i

Sample Info: SKG0010-LCV1

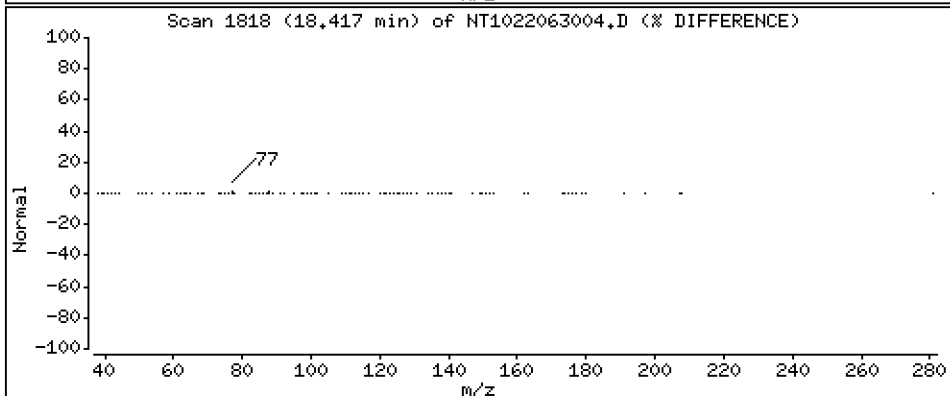
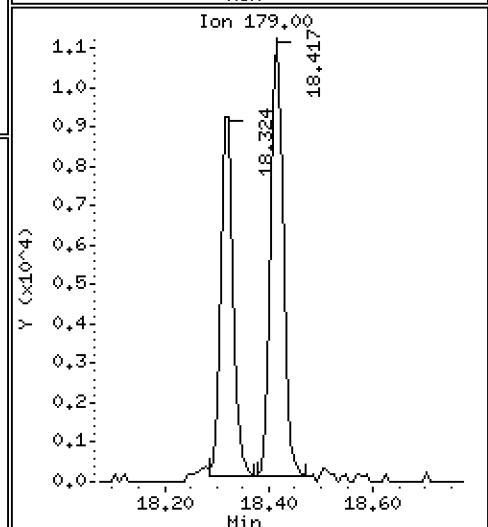
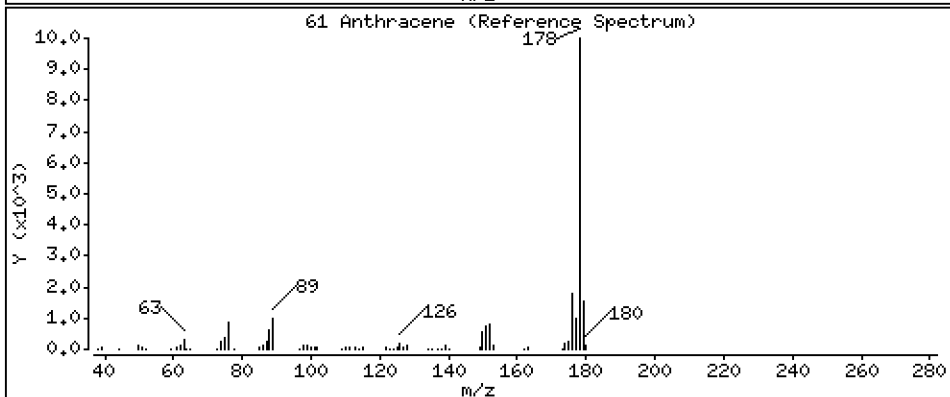
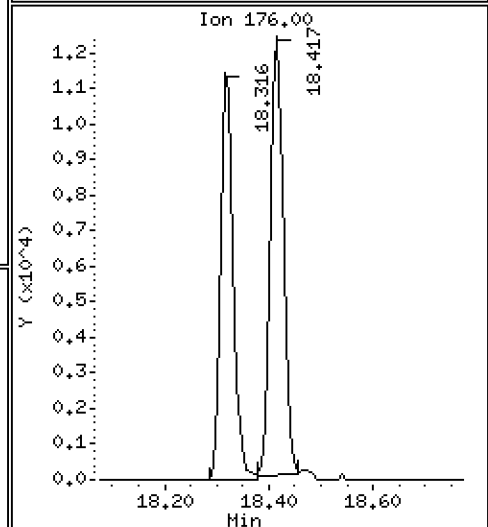
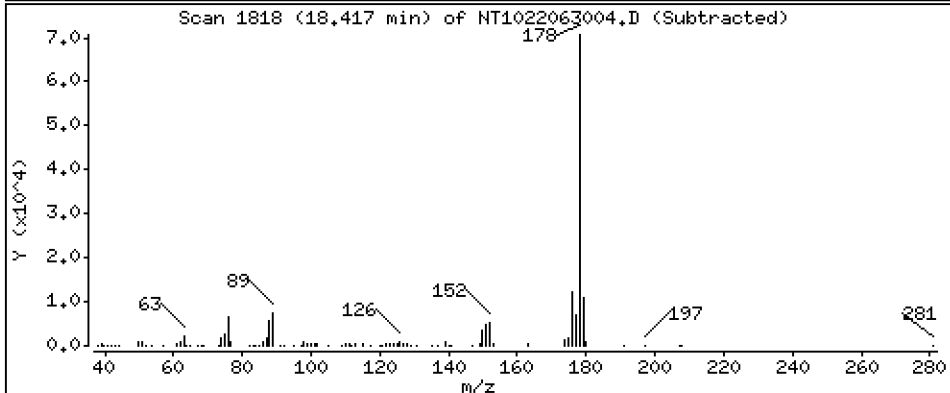
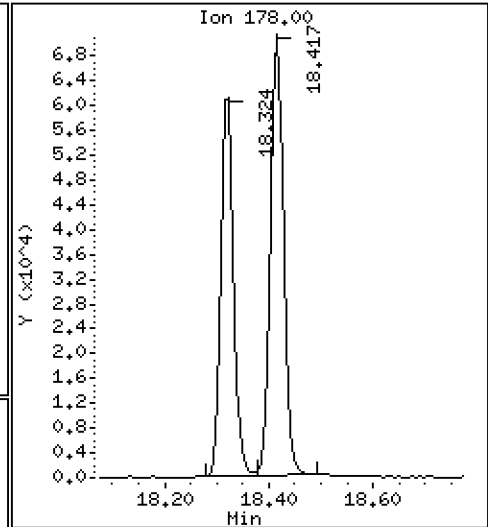
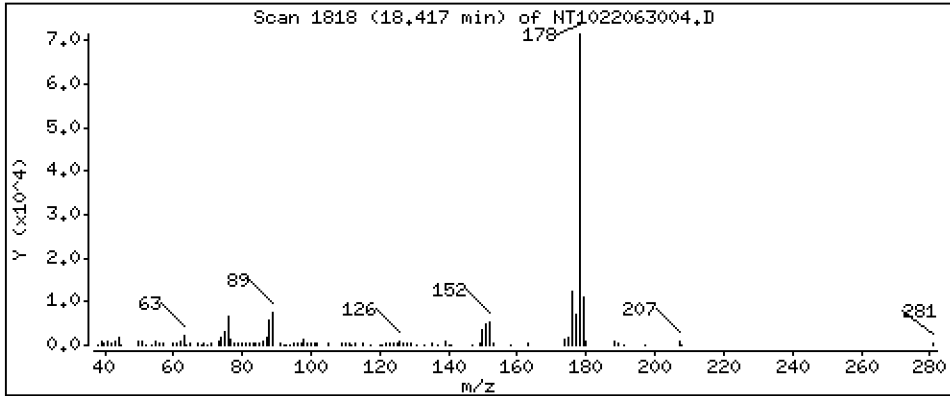
Operator: VTS

Column phase: ZB-5msi

Column diameter: 0,25

61 Anthracene

Concentration: 0,4142 ug/mL



Date : 30-JUN-2022 15:27

Client ID:

Instrument: nt10.i

Sample Info: SKG0010-LCV1

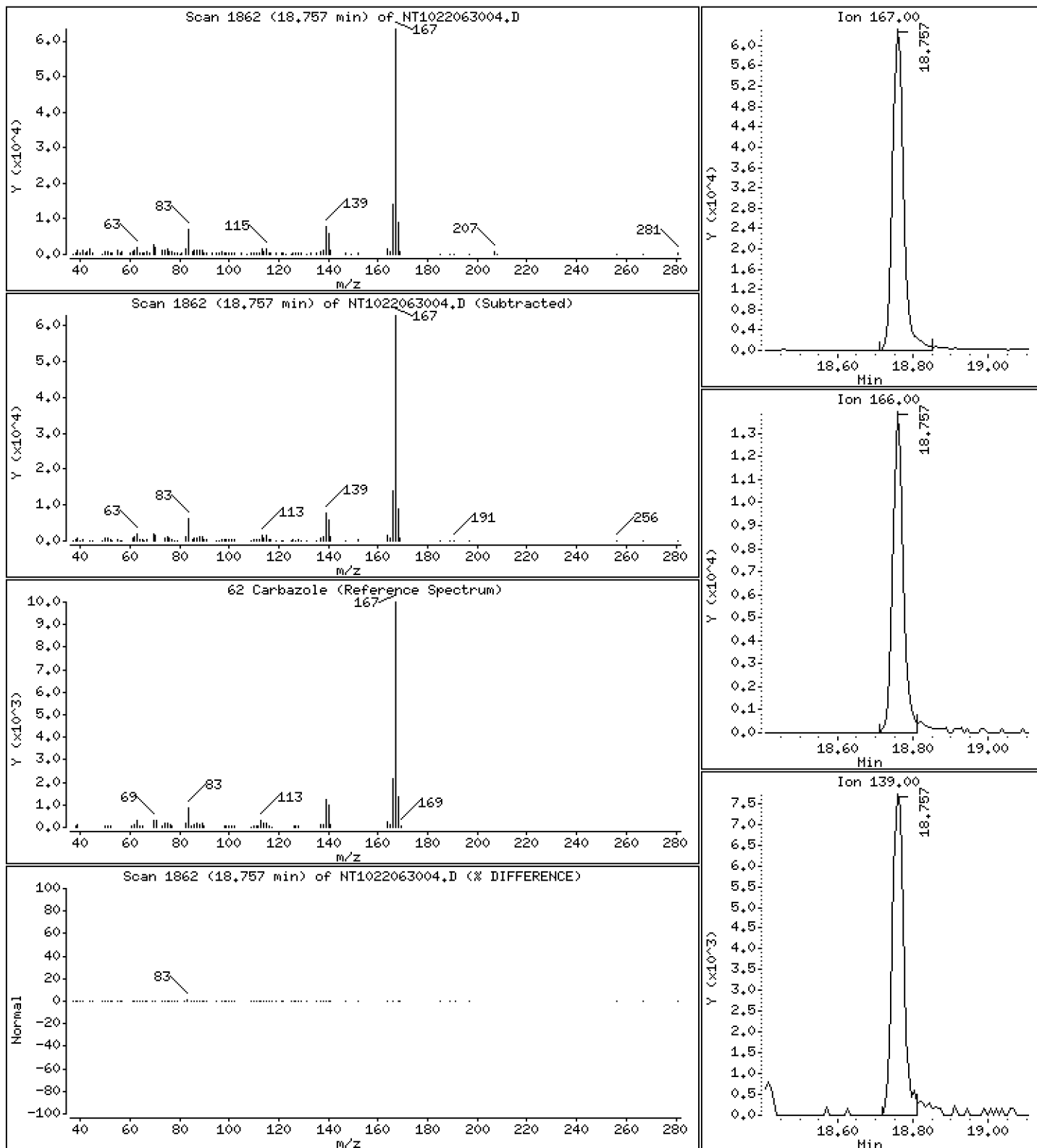
Operator: VTS

Column phase: ZB-5msi

Column diameter: 0,25

62 Carbazole

Concentration: 0,4736 ug/mL



Date : 30-JUN-2022 15:27

Client ID:

Instrument: nt10.i

Sample Info: SKG0010-LCV1

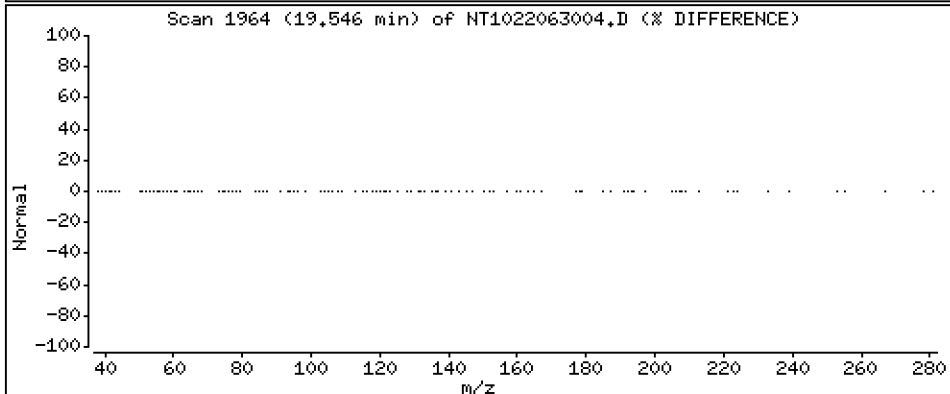
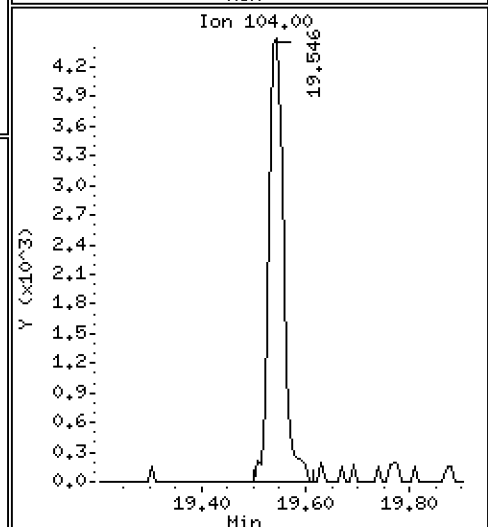
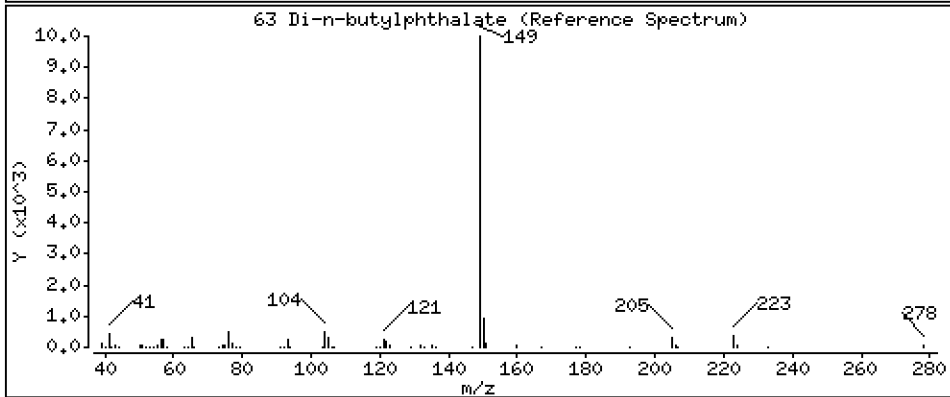
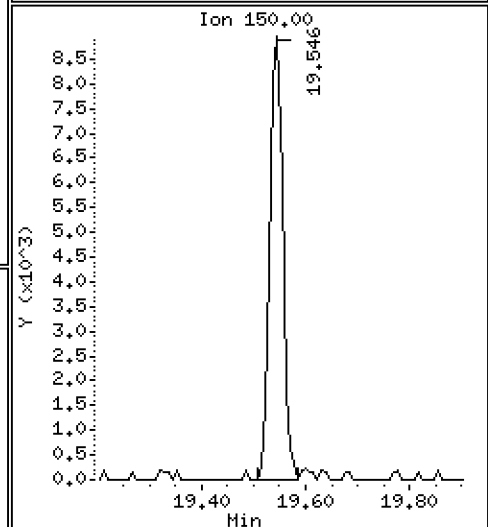
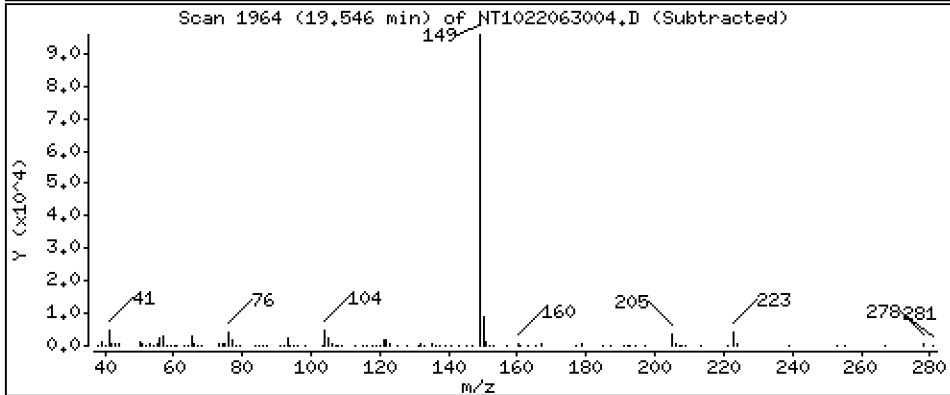
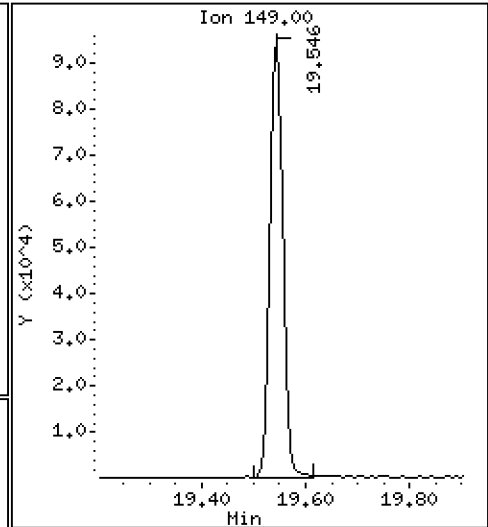
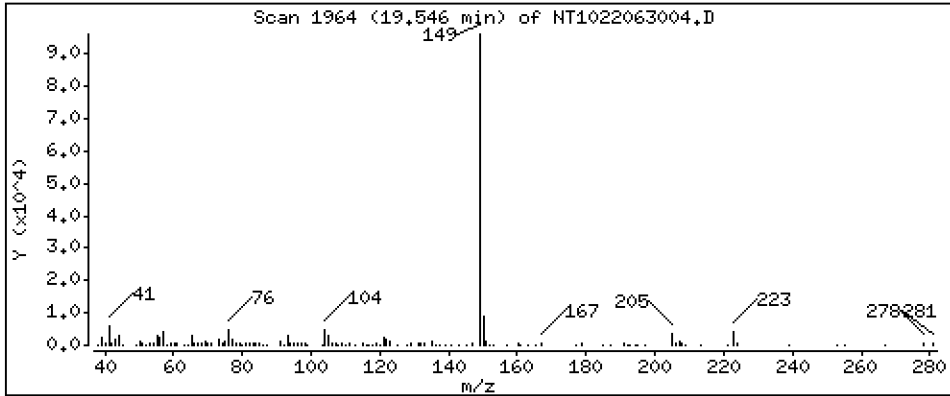
Operator: VTS

Column phase: ZB-5msi

Column diameter: 0,25

63 Di-n-butylphthalate

Concentration: 0,3952 ug/mL



Date : 30-JUN-2022 15:27

Client ID:

Instrument: nt10.i

Sample Info: SKG0010-LCV1

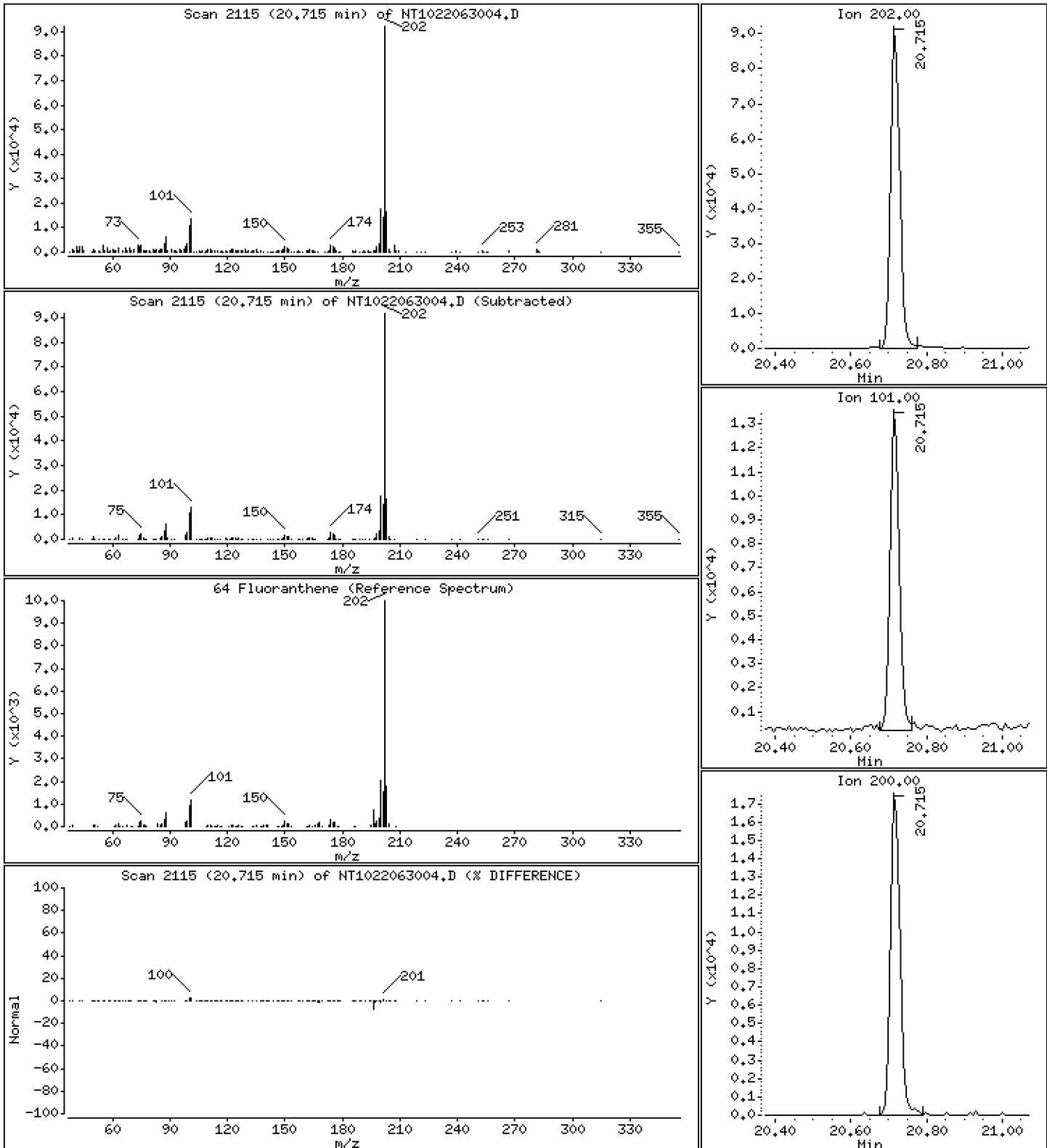
Operator: VTS

Column phase: ZB-5msi

Column diameter: 0,25

64 Fluoranthene

Concentration: 0,6323 ug/mL



Date : 30-JUN-2022 15:27

Client ID:

Instrument: nt10.i

Sample Info: SKG0010-LCV1

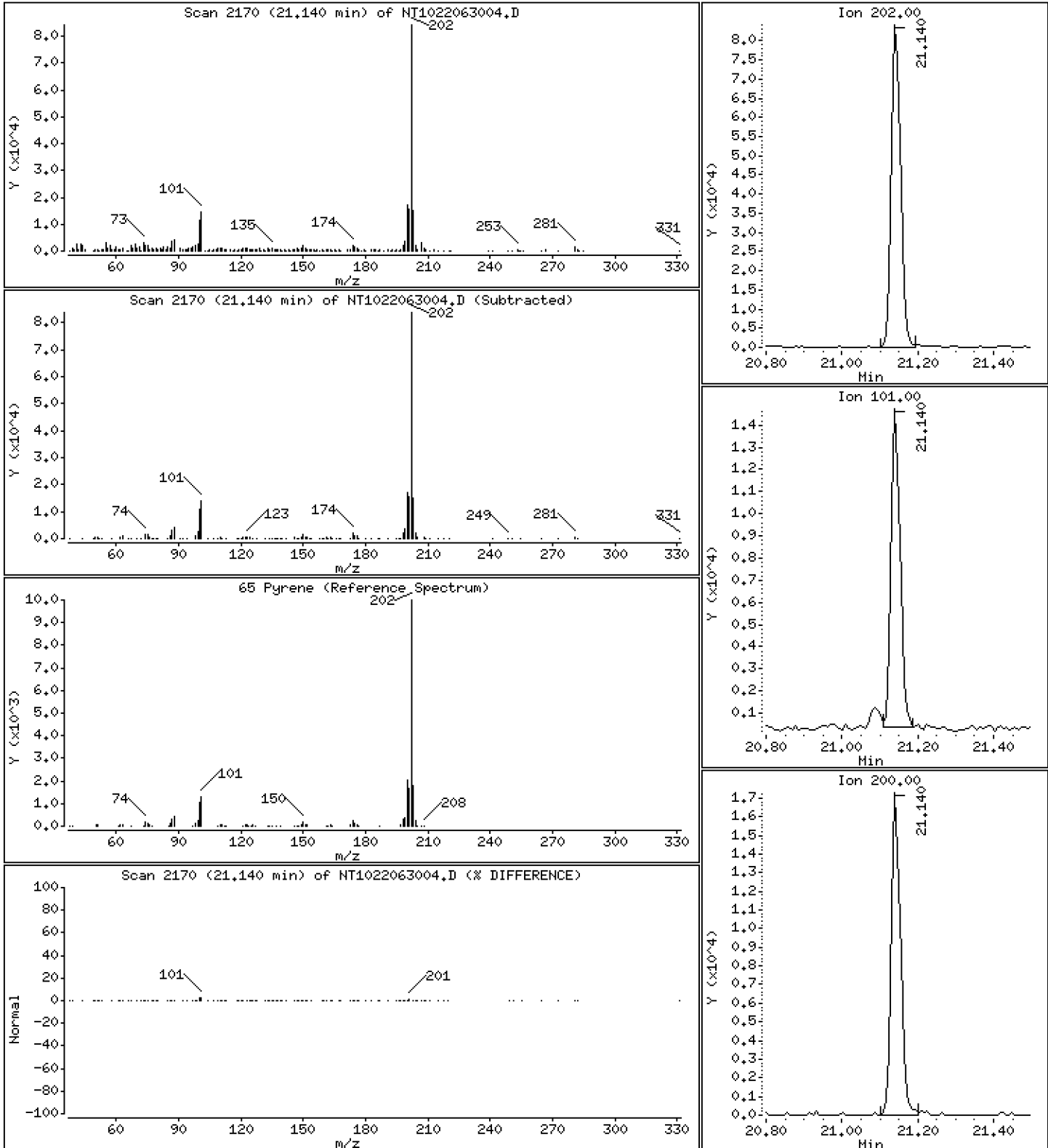
Operator: VTS

Column phase: ZB-5msi

Column diameter: 0,25

65 Pyrene

Concentration: 0,6891 ug/mL



Date : 30-JUN-2022 15:27

Client ID:

Instrument: nt10.i

Sample Info: SKG0010-LCV1

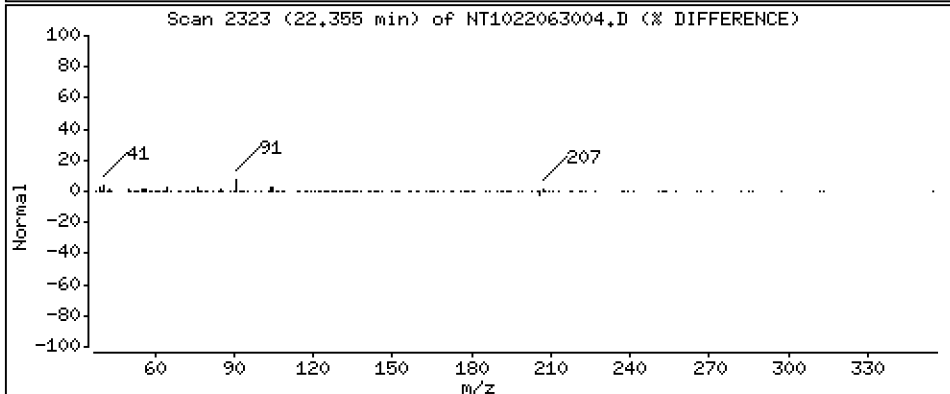
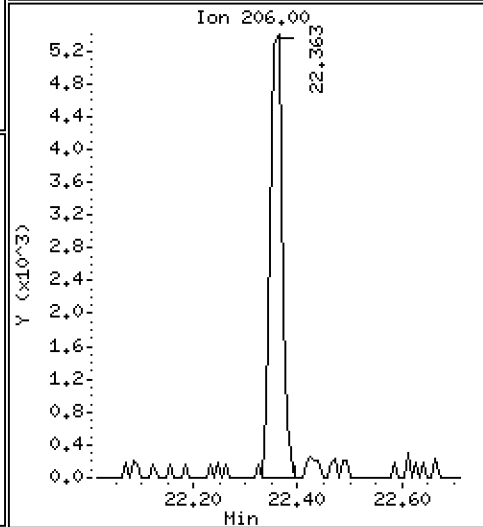
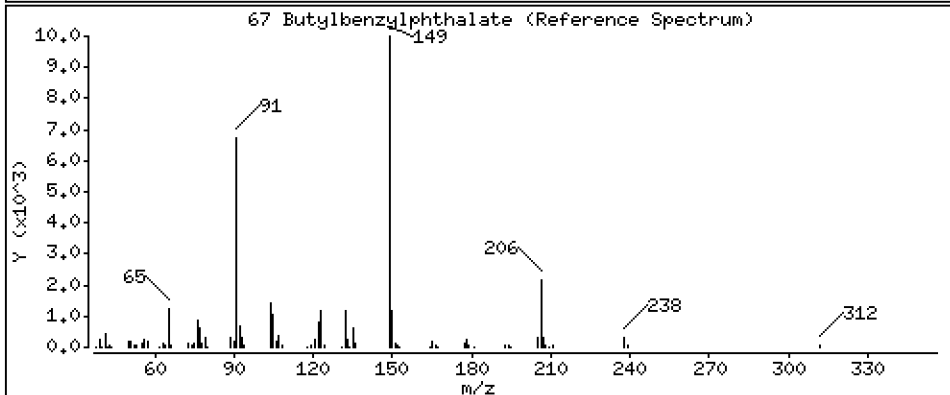
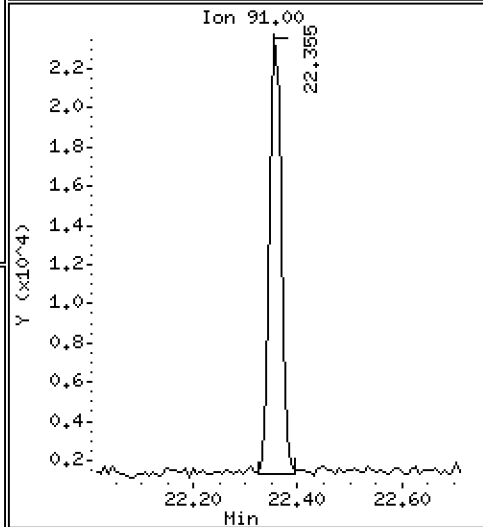
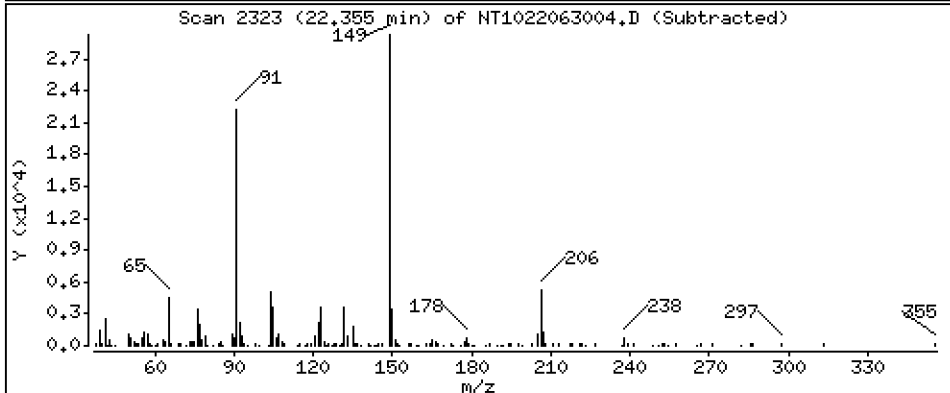
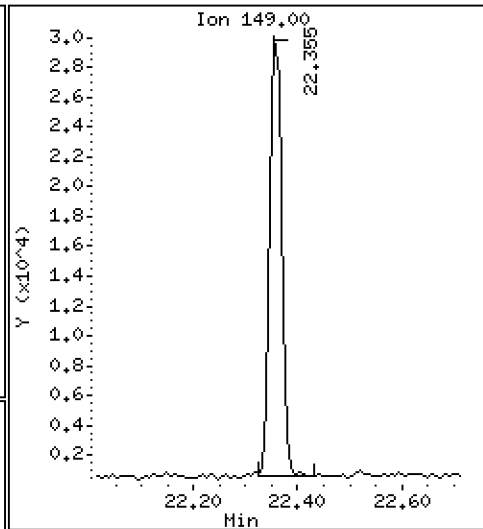
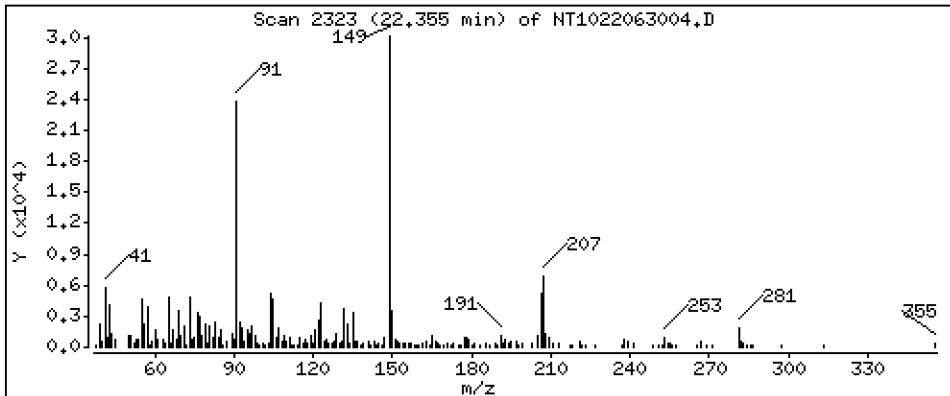
Operator: VTS

Column phase: ZB-5msi

Column diameter: 0,25

67 Butylbenzylphthalate

Concentration: 0,6667 ug/mL



Date : 30-JUN-2022 15:27

Client ID:

Instrument: nt10.i

Sample Info: SKG0010-LCV1

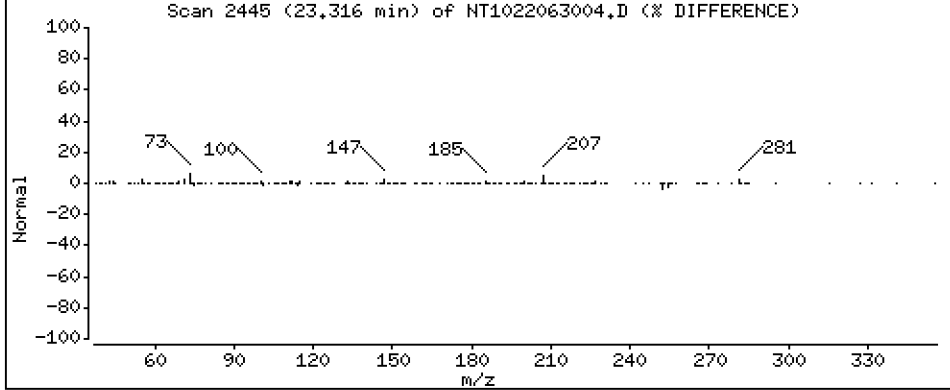
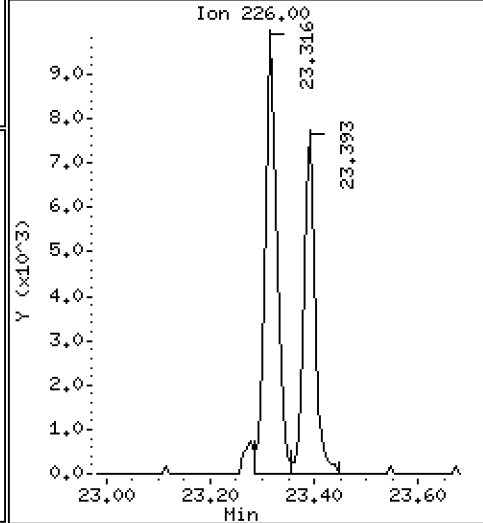
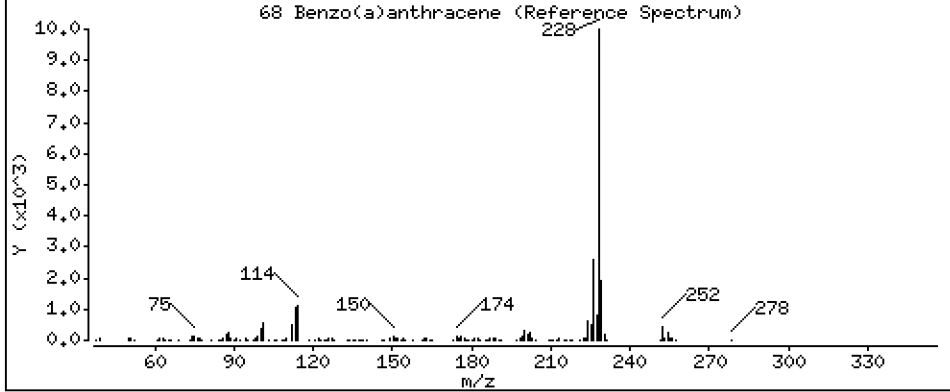
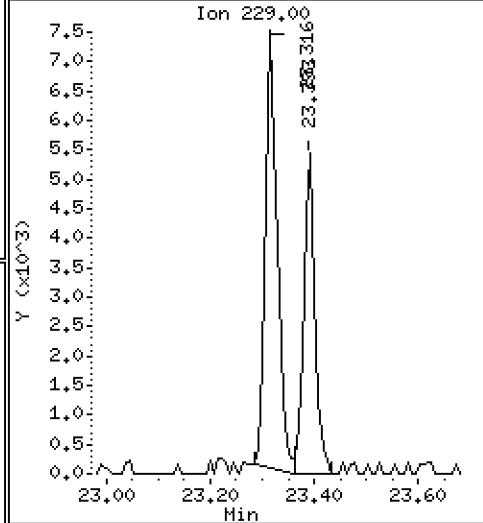
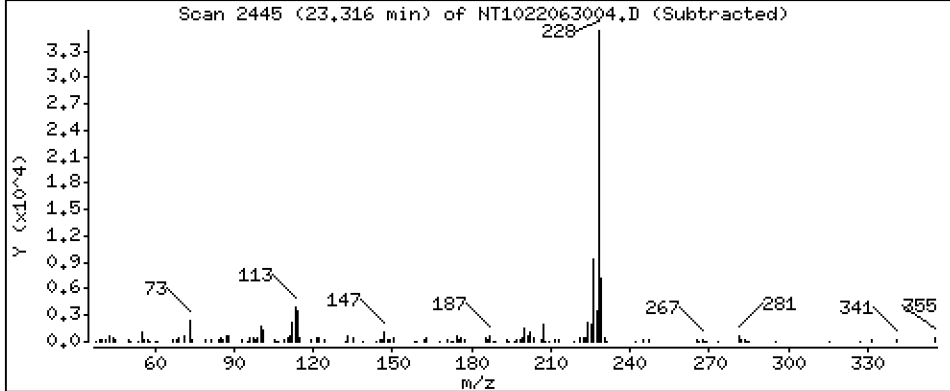
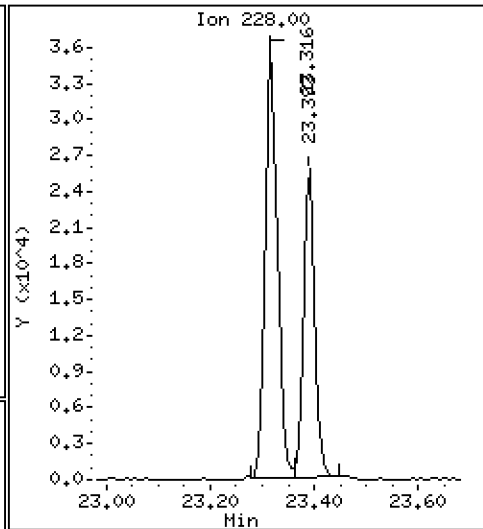
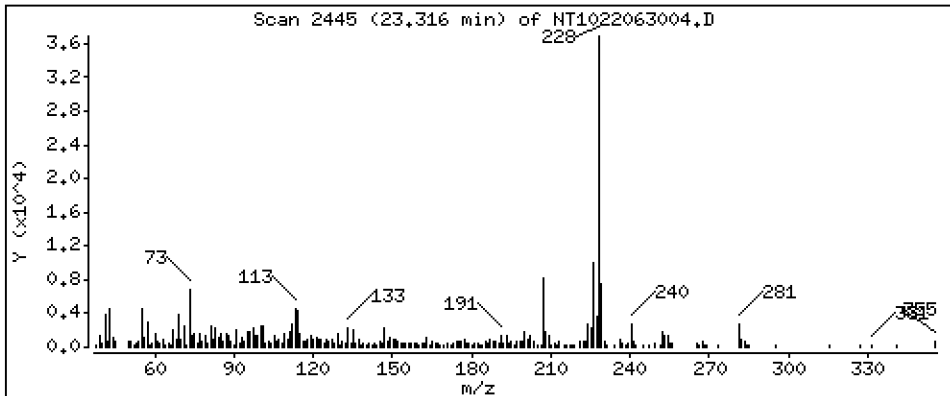
Operator: VTS

Column phase: ZB-5msi

Column diameter: 0,25

68 Benzo(a)anthracene

Concentration: 0,4071 ug/mL



Date : 30-JUN-2022 15:27

Client ID:

Instrument: nt10.i

Sample Info: SKG0010-LCV1

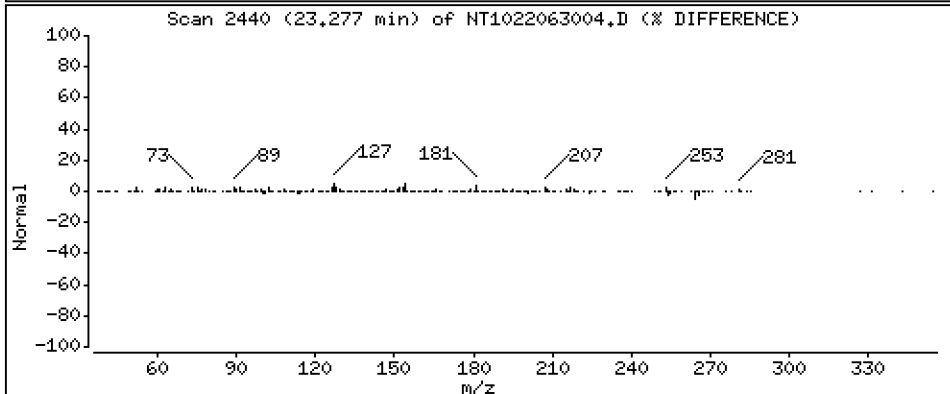
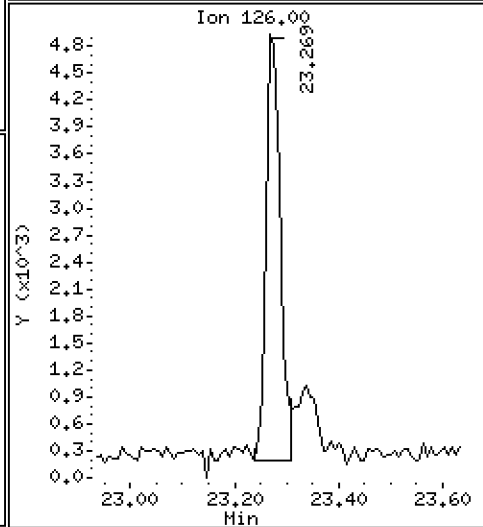
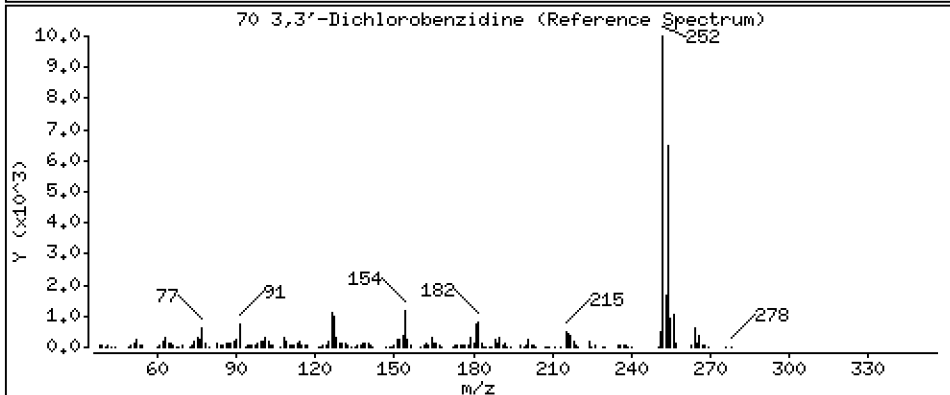
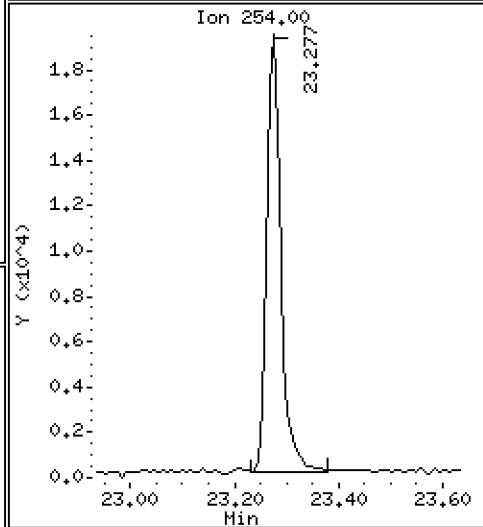
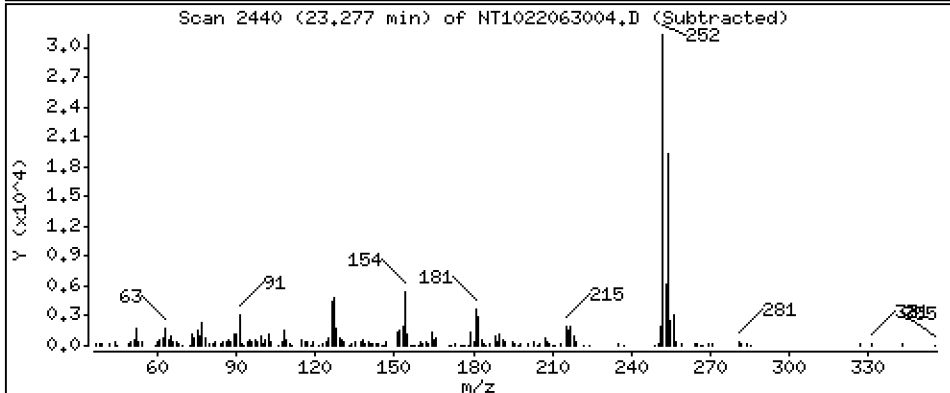
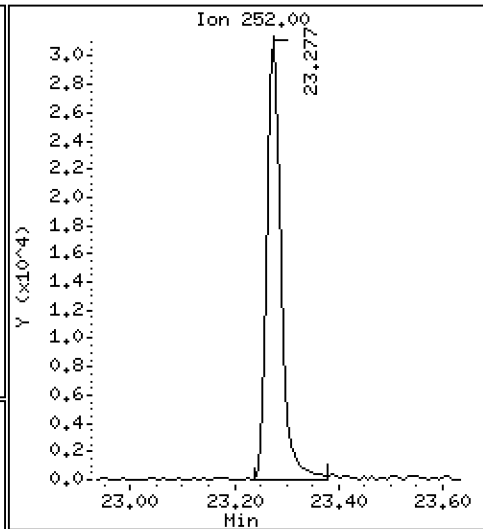
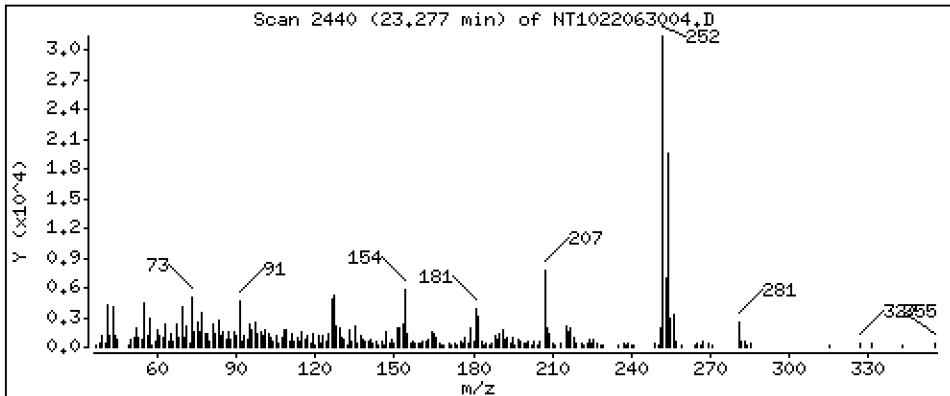
Operator: VTS

Column phase: ZB-5msi

Column diameter: 0.25

70 3,3'-Dichlorobenzidine

Concentration: 1.253 ug/mL



Date : 30-JUN-2022 15:27

Client ID:

Instrument: nt10.i

Sample Info: SKG0010-LCV1

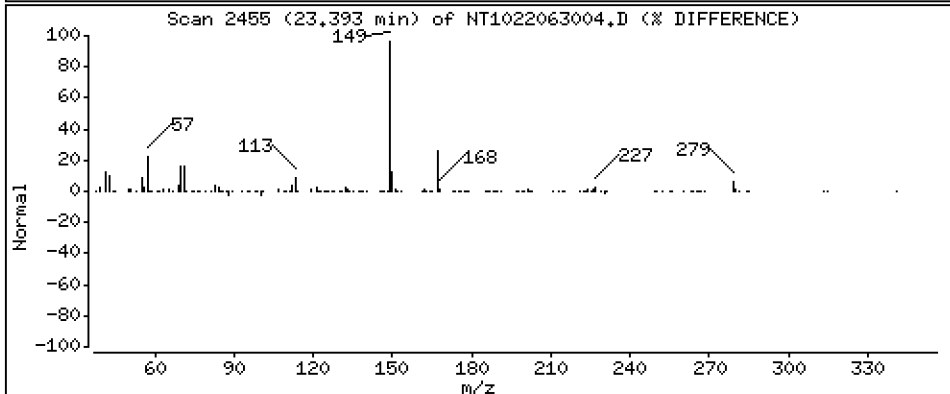
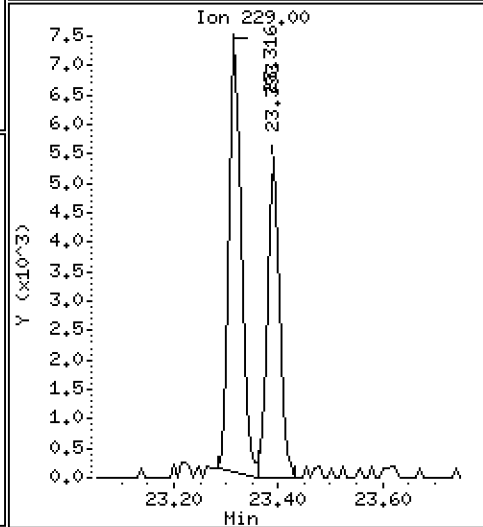
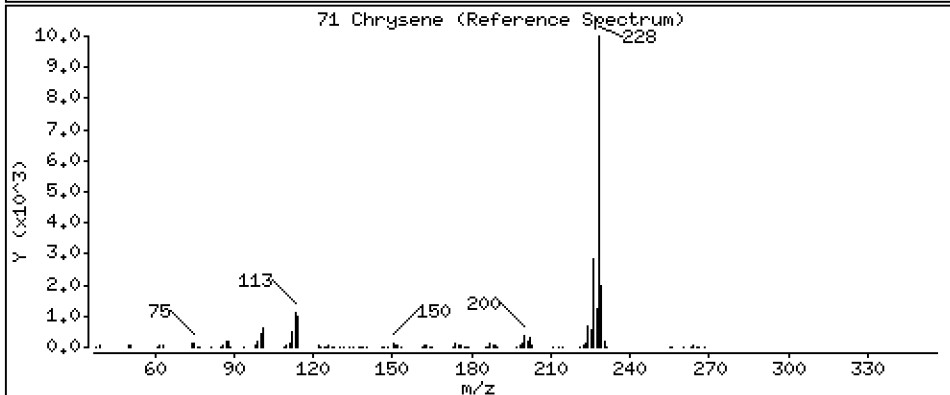
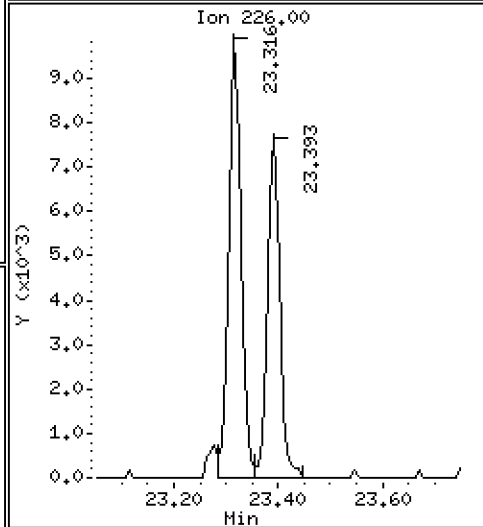
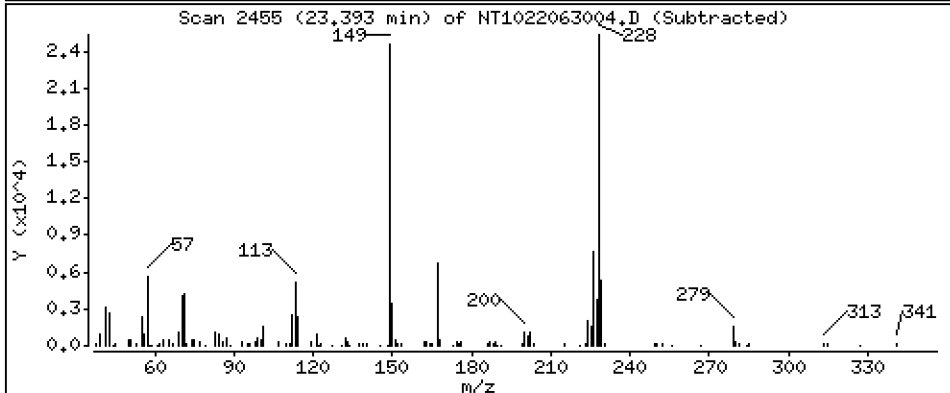
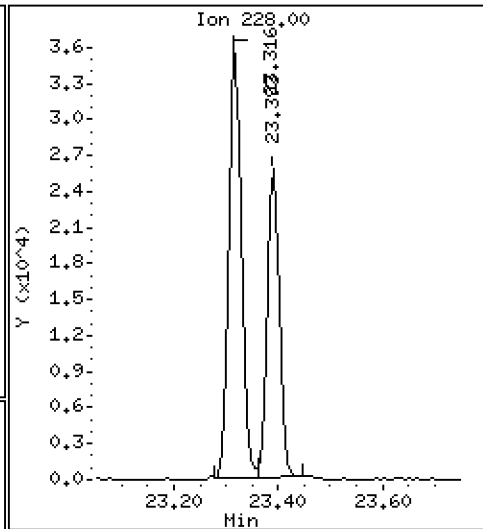
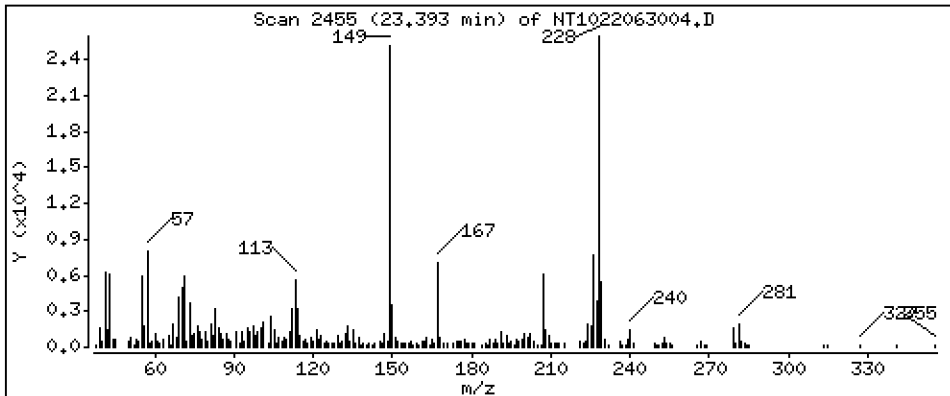
Operator: VTS

Column phase: ZB-5msi

Column diameter: 0,25

71 Chrysene

Concentration: 0,4240 ug/mL



Date : 30-JUN-2022 15:27

Client ID:

Instrument: nt10.i

Sample Info: SKG0010-LCV1

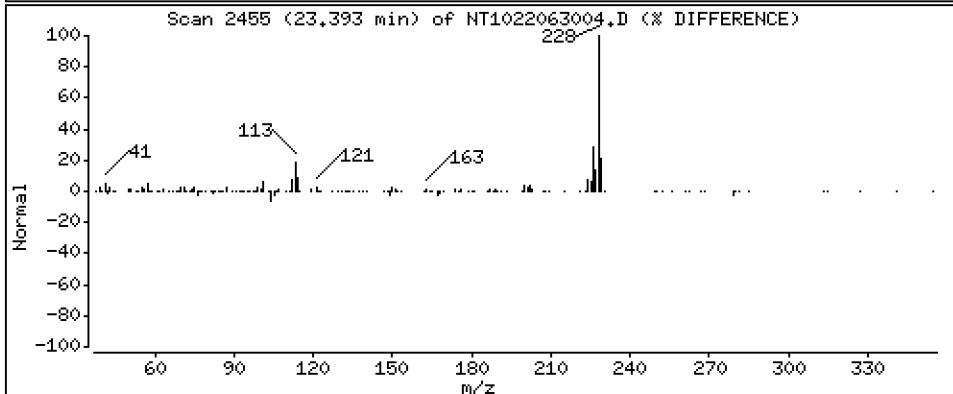
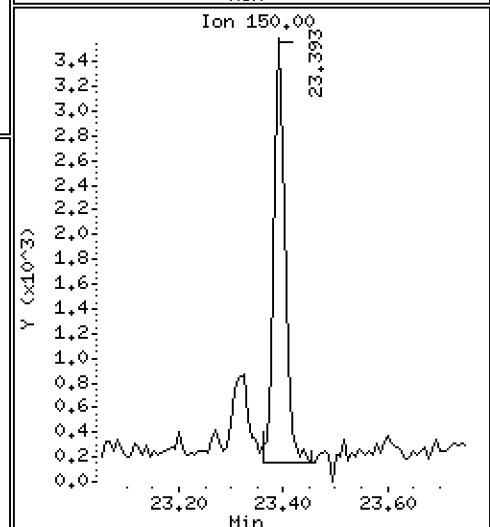
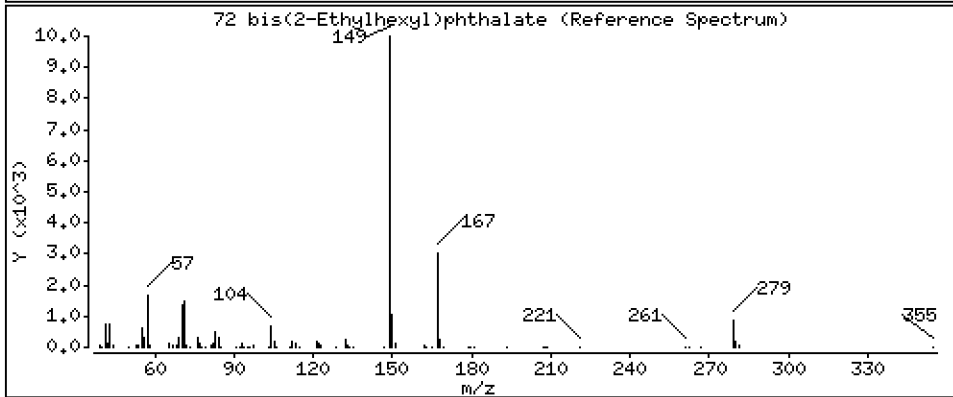
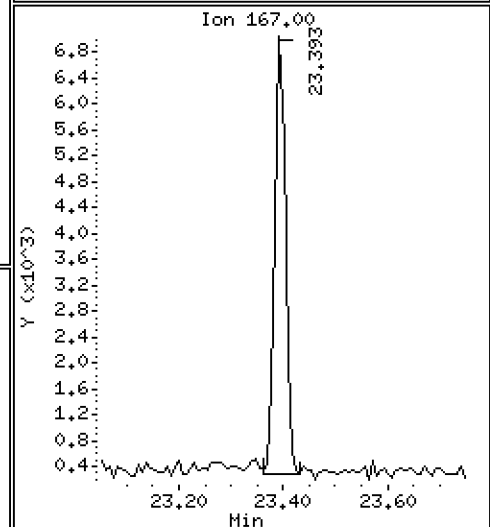
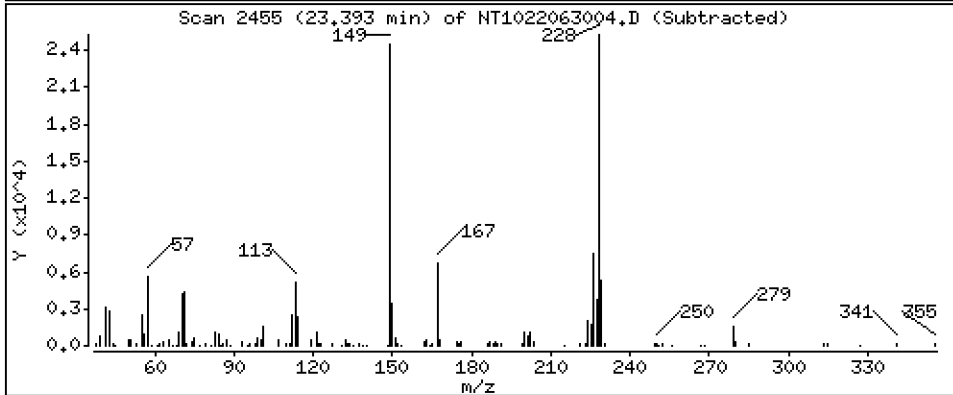
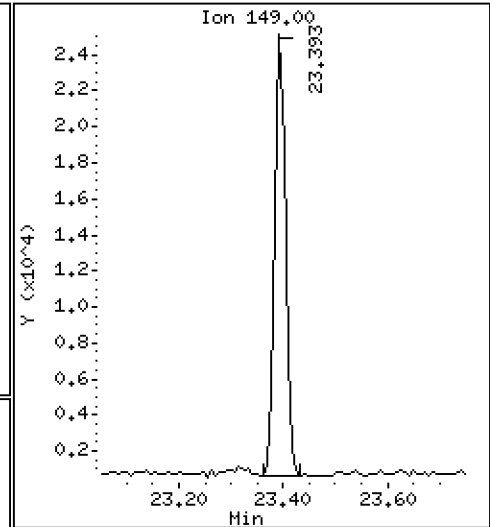
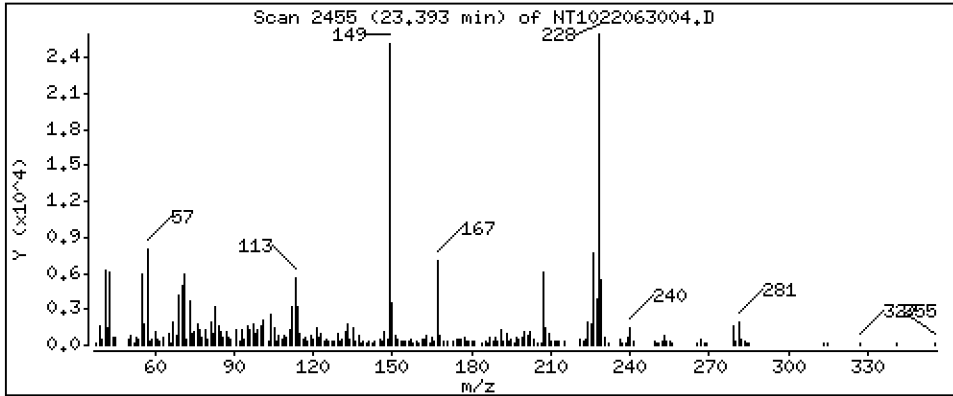
Operator: VTS

Column phase: ZB-5msi

Column diameter: 0,25

72 bis(2-Ethylhexyl)phthalate

Concentration: 0,5362 ug/mL



Date : 30-JUN-2022 15:27

Client ID:

Instrument: nt10.i

Sample Info: SKG0010-LCV1

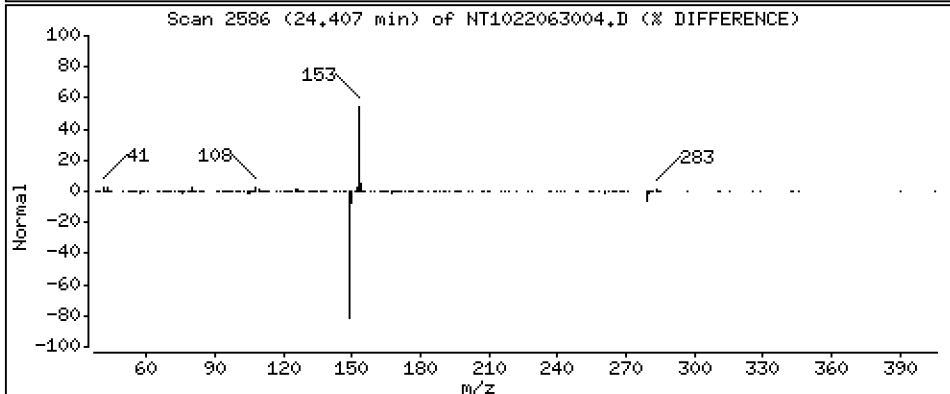
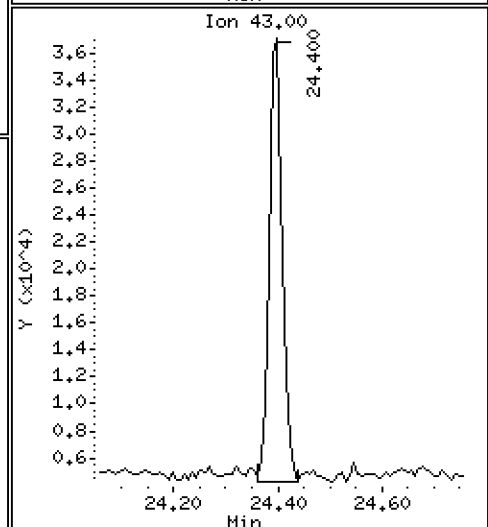
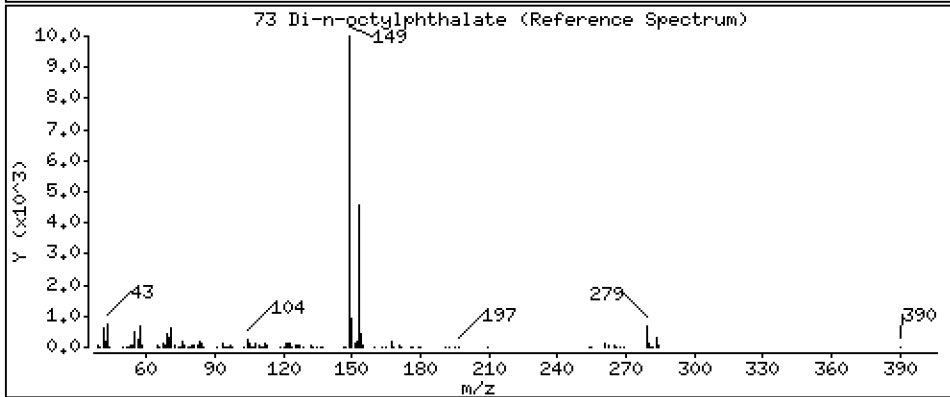
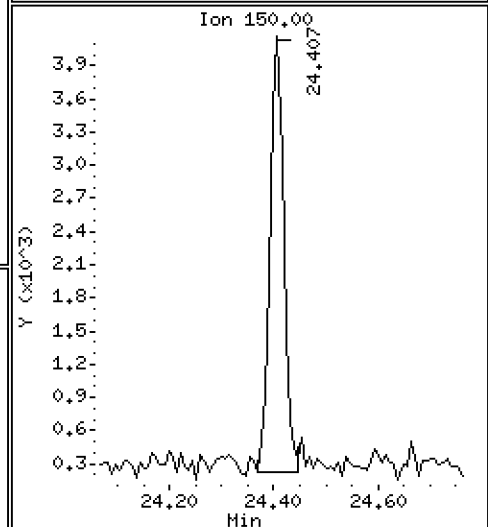
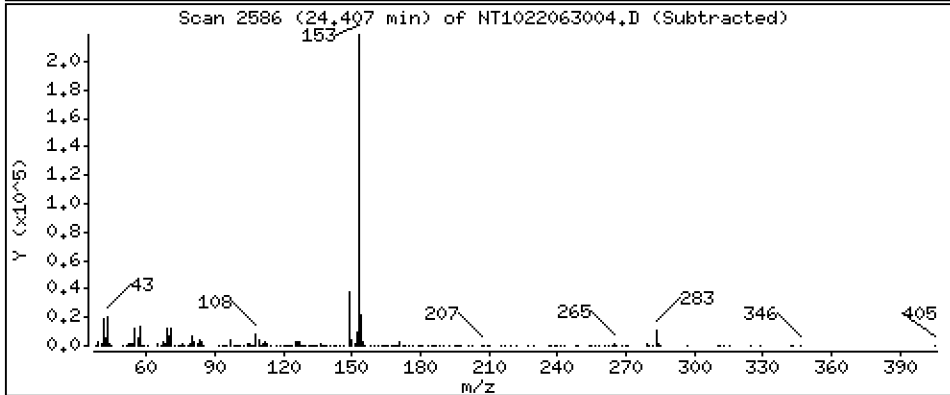
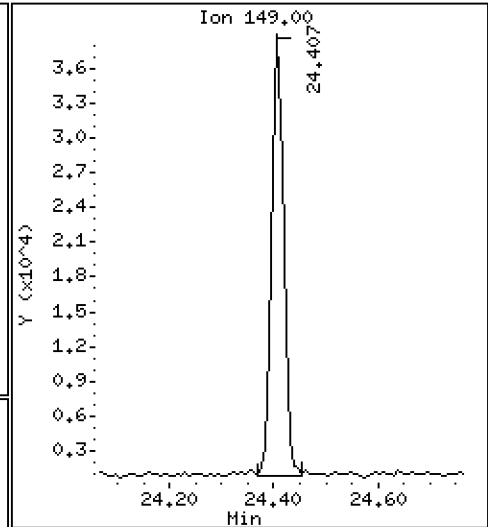
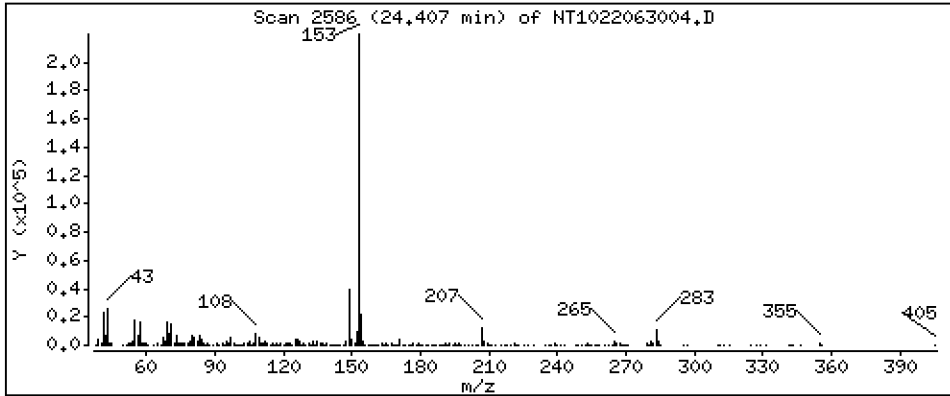
Operator: VTS

Column phase: ZB-5msi

Column diameter: 0,25

73 Di-n-octylphthalate

Concentration: 0,4543 ug/mL



Date : 30-JUN-2022 15:27

Client ID:

Instrument: nt10.i

Sample Info: SKG0010-LCV1

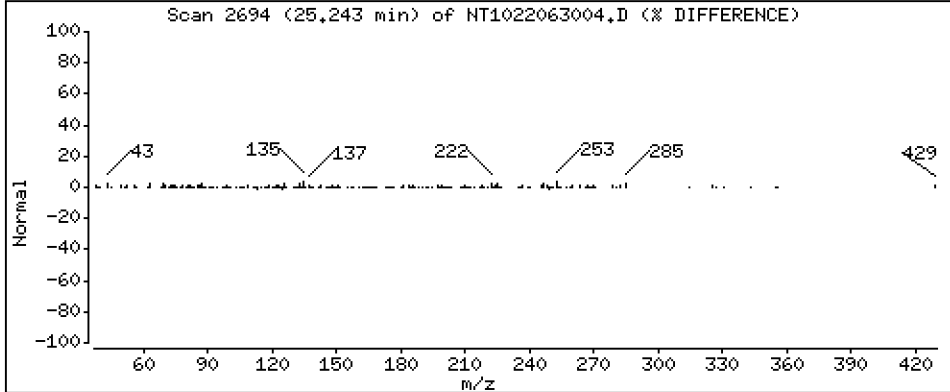
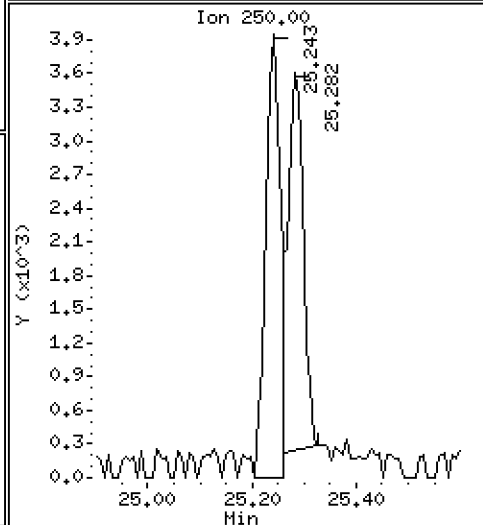
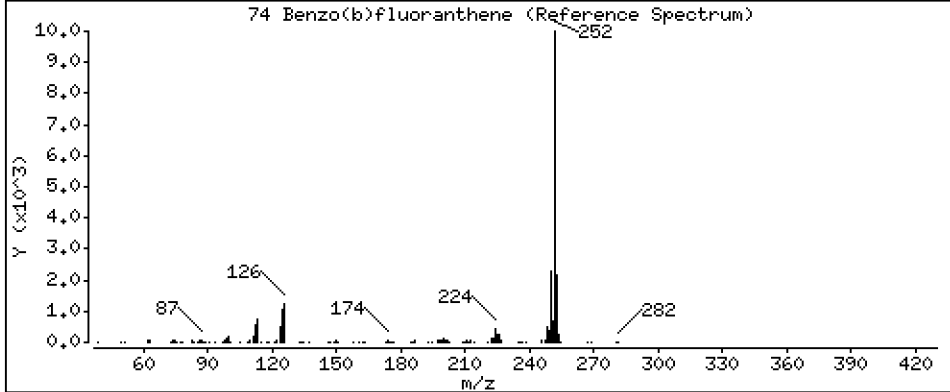
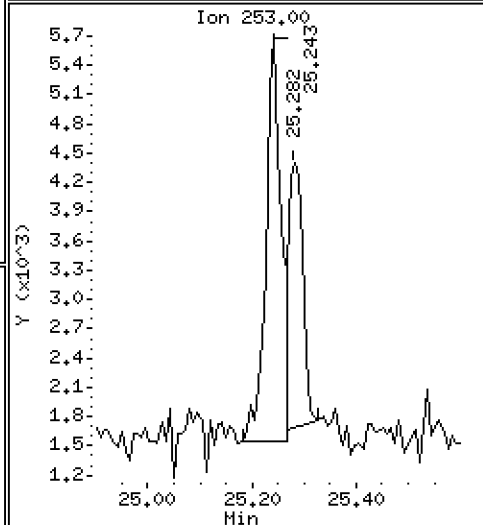
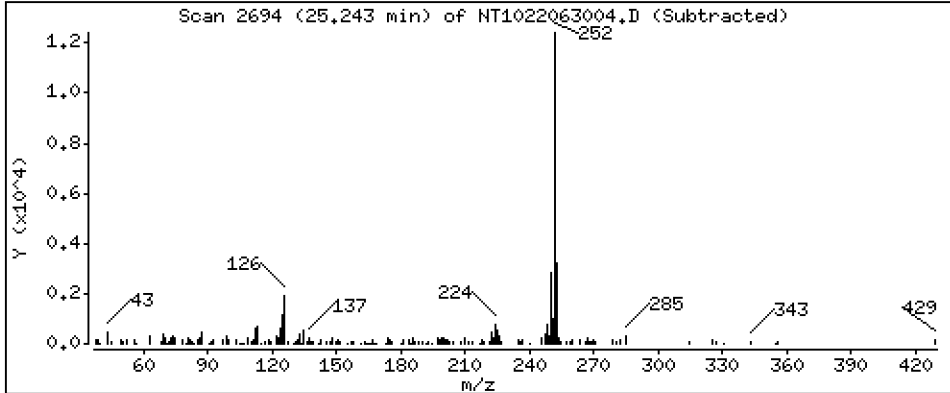
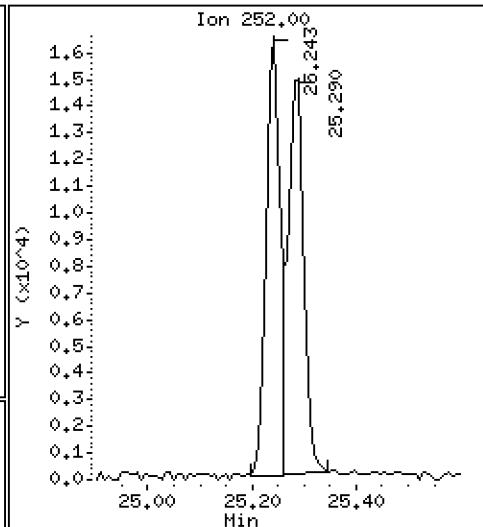
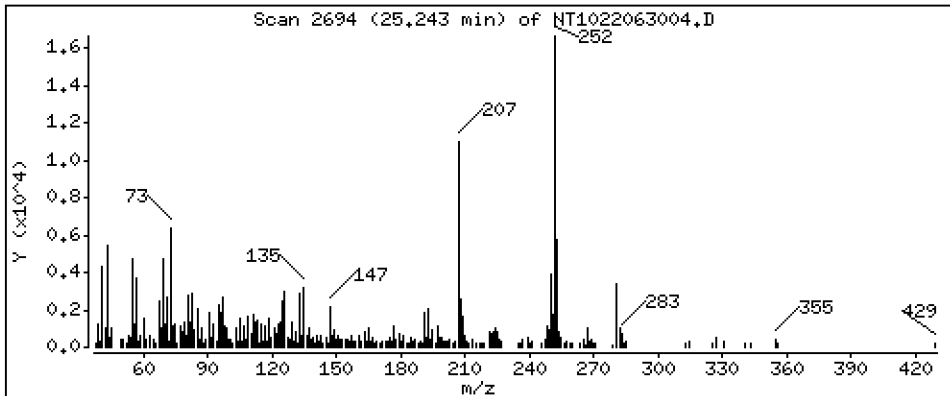
Operator: VTS

Column phase: ZB-5msi

Column diameter: 0,25

74 Benzo(b)fluoranthene

Concentration: 0,3315 ug/mL



Date : 30-JUN-2022 15:27

Client ID:

Instrument: nt10.i

Sample Info: SKG0010-LCV1

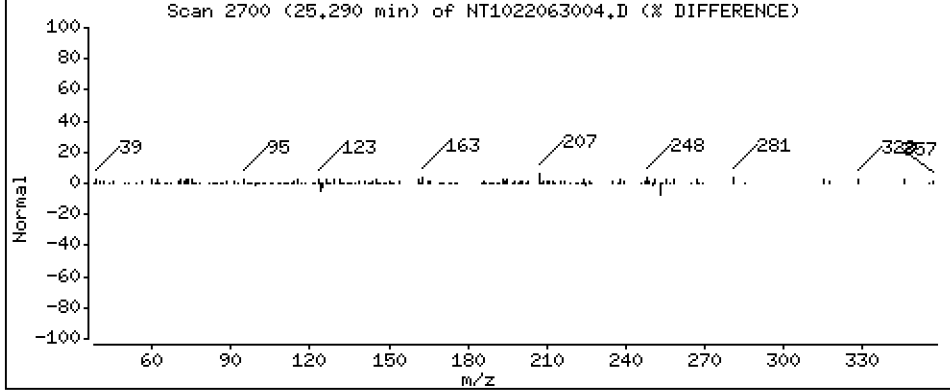
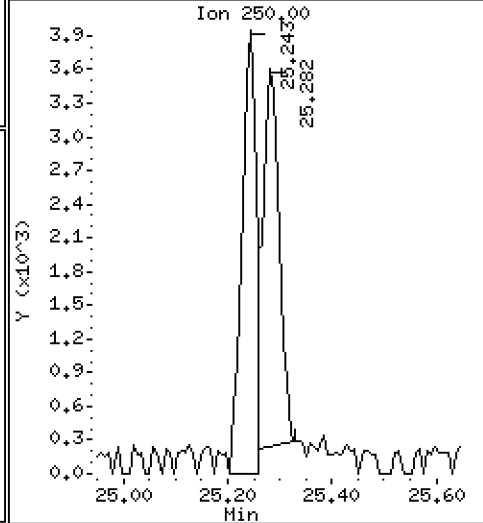
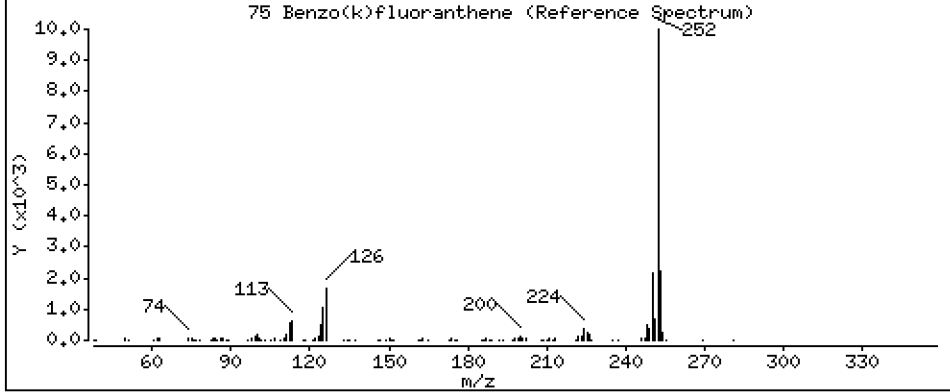
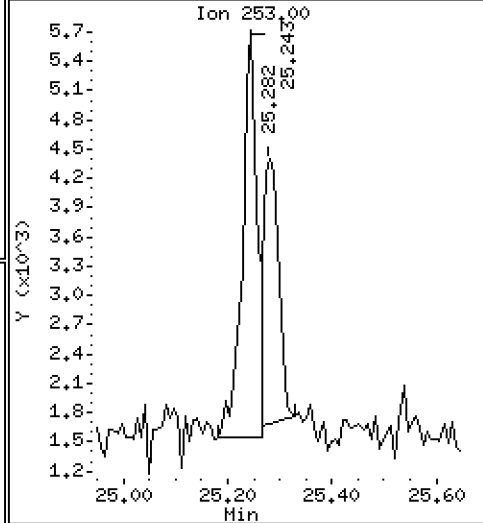
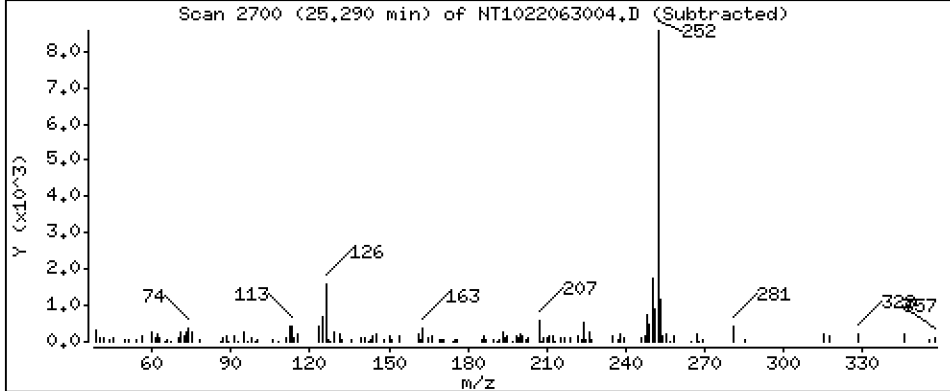
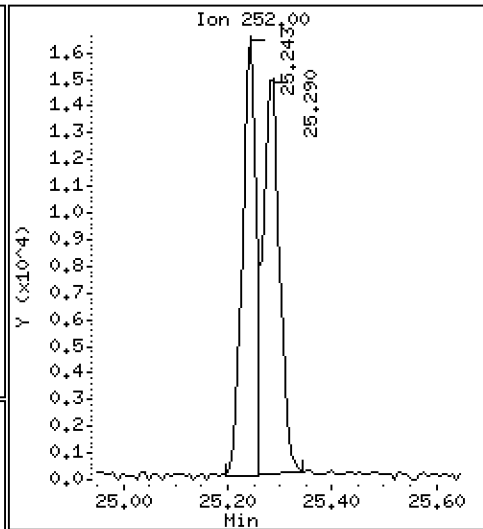
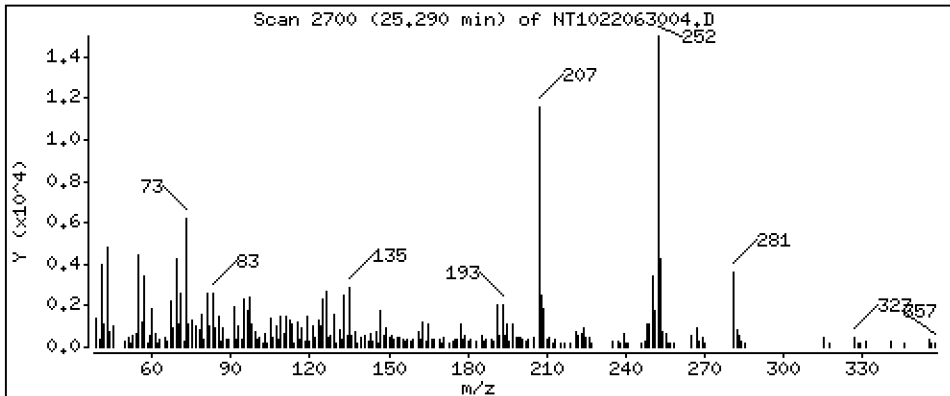
Operator: VTS

Column phase: ZB-5msi

Column diameter: 0,25

75 Benzo(k)fluoranthene

Concentration: 0,3928 ug/mL



Date : 30-JUN-2022 15:27

Client ID:

Instrument: nt10.i

Sample Info: SKG0010-LCV1

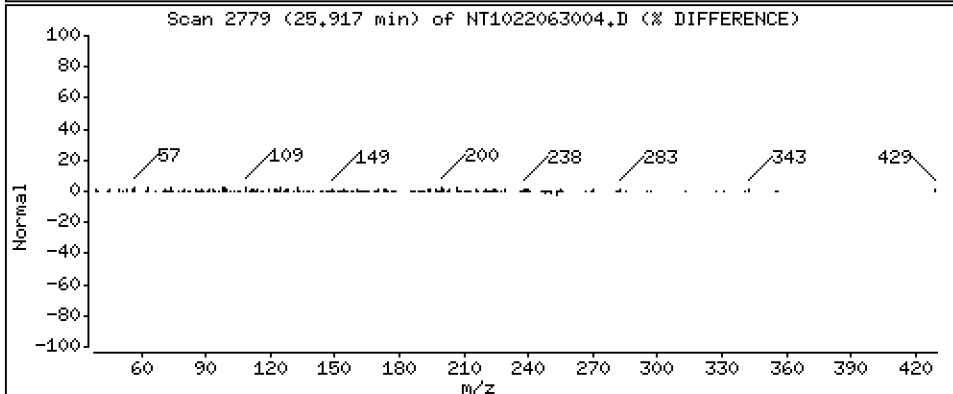
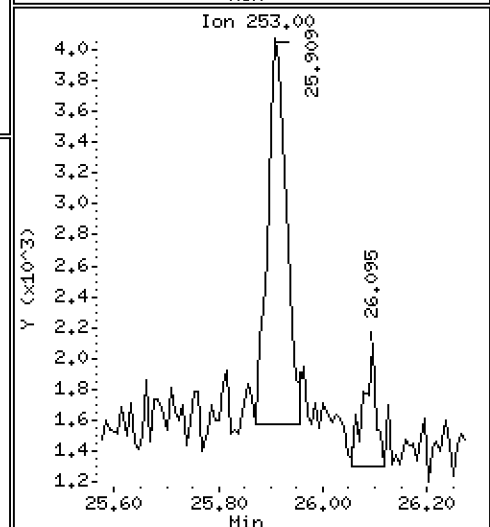
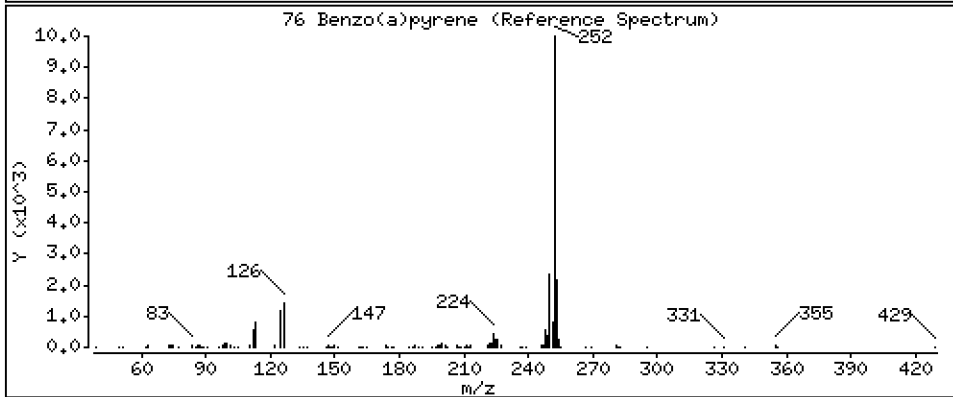
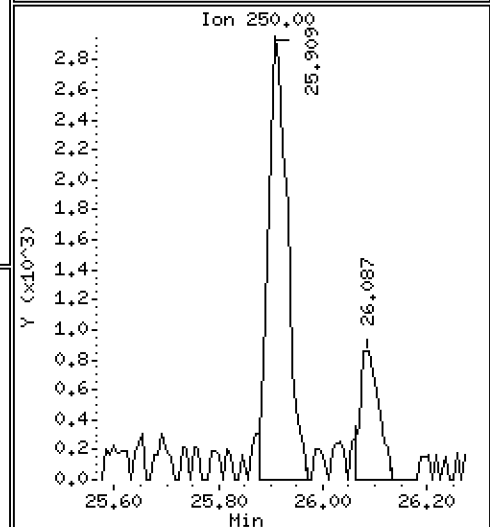
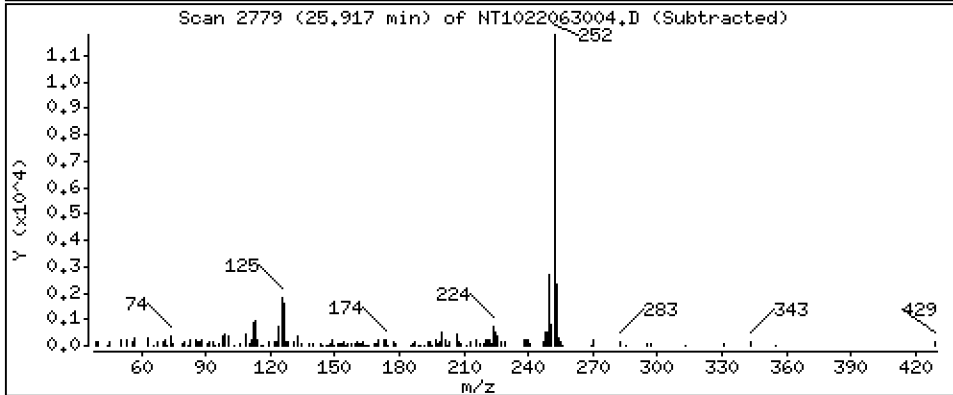
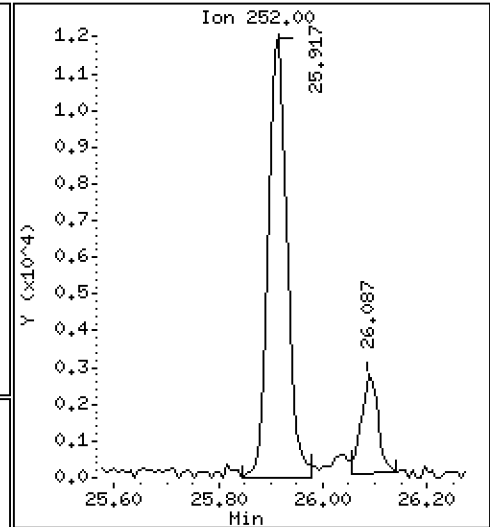
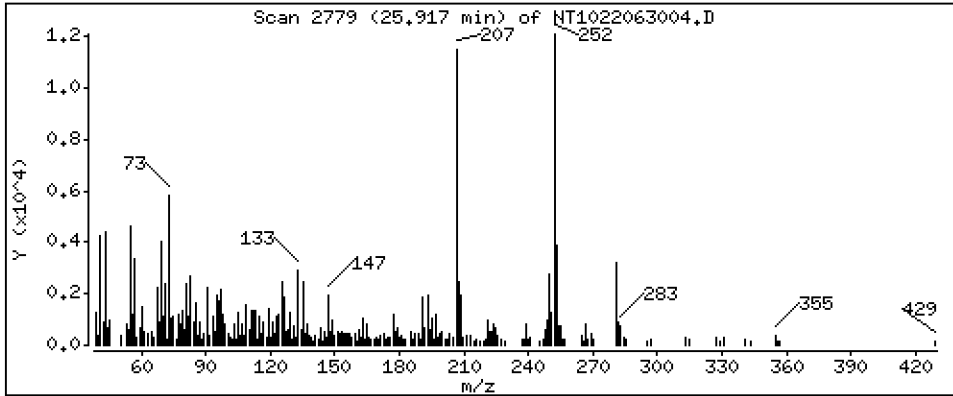
Operator: VTS

Column phase: ZB-5msi

Column diameter: 0,25

76 Benzo(a)pyrene

Concentration: 0,4004 ug/mL



Date : 30-JUN-2022 15:27

Client ID:

Instrument: nt10.i

Sample Info: SKG0010-LCV1

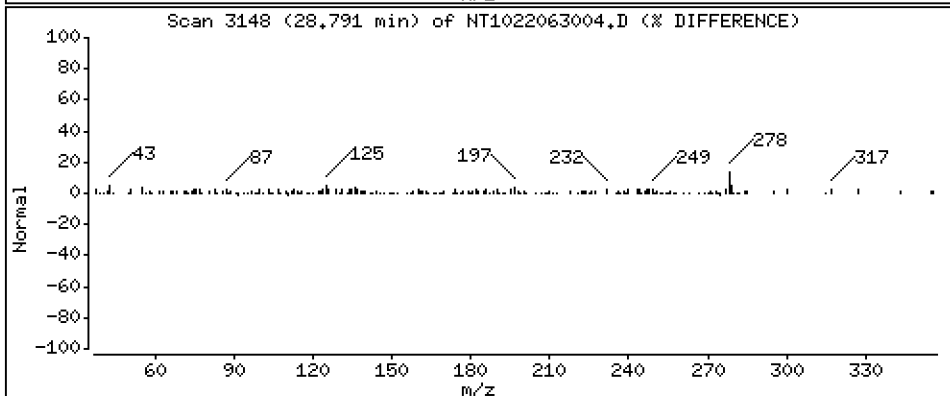
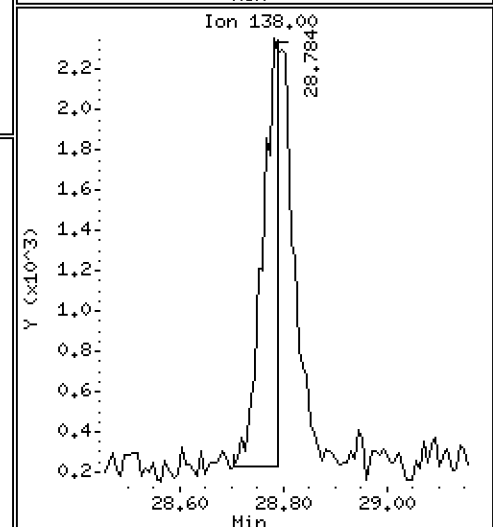
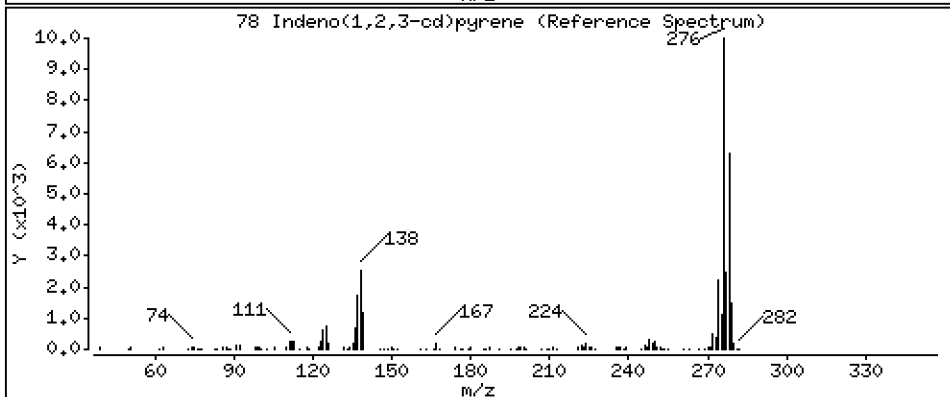
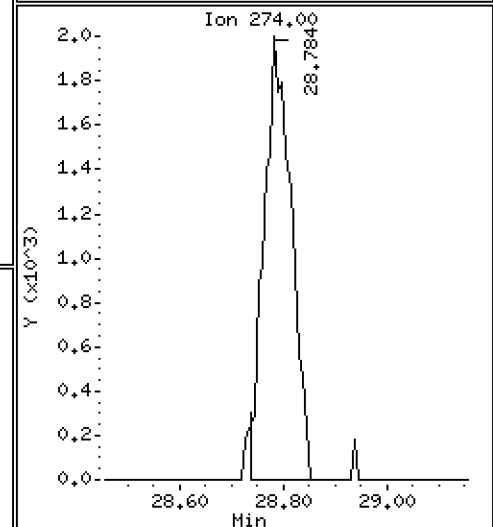
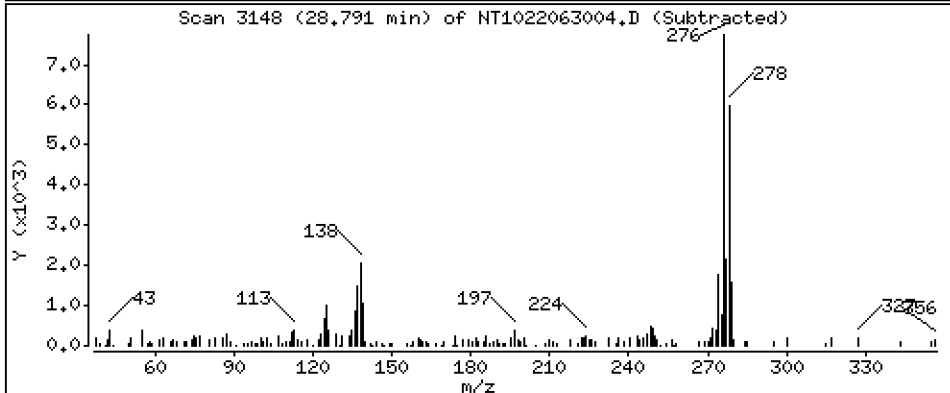
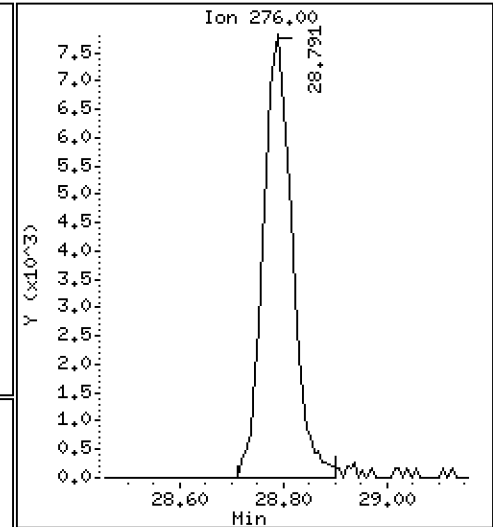
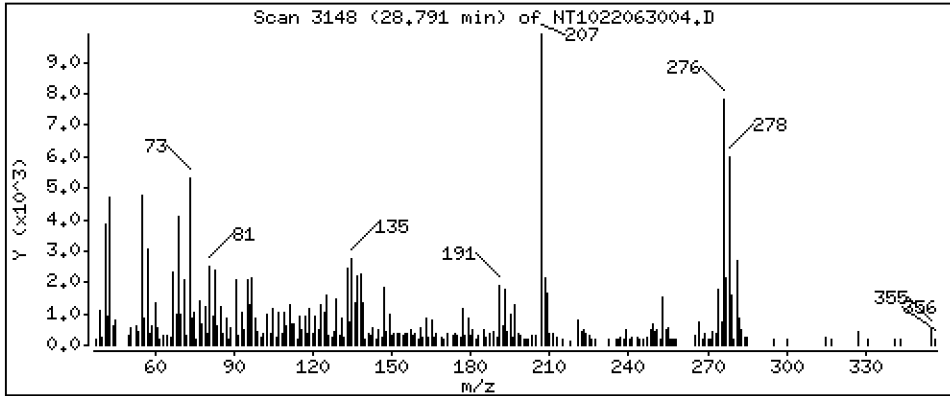
Operator: VTS

Column phase: ZB-5msi

Column diameter: 0,25

78 Indeno(1,2,3-cd)pyrene

Concentration: 0,3824 ug/mL



Date : 30-JUN-2022 15:27

Client ID:

Instrument: nt10.i

Sample Info: SKG0010-LCV1

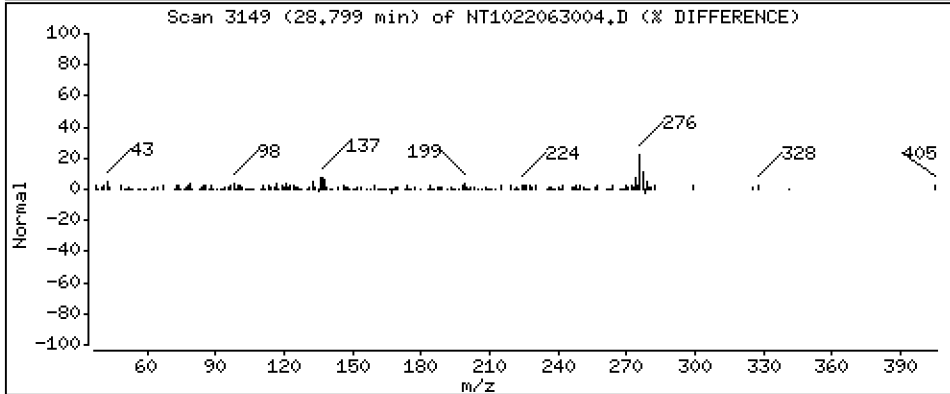
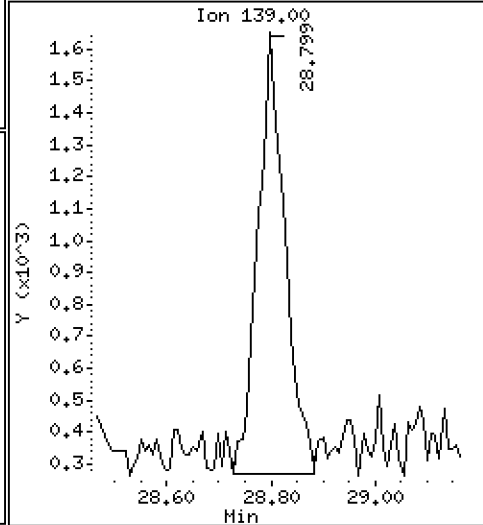
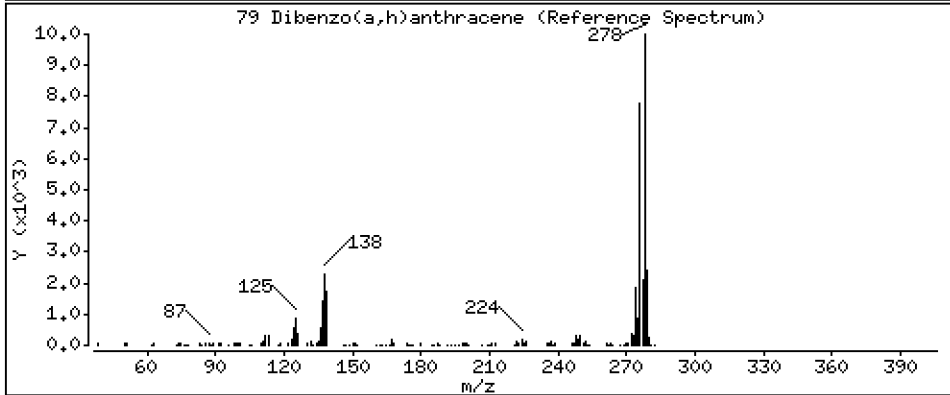
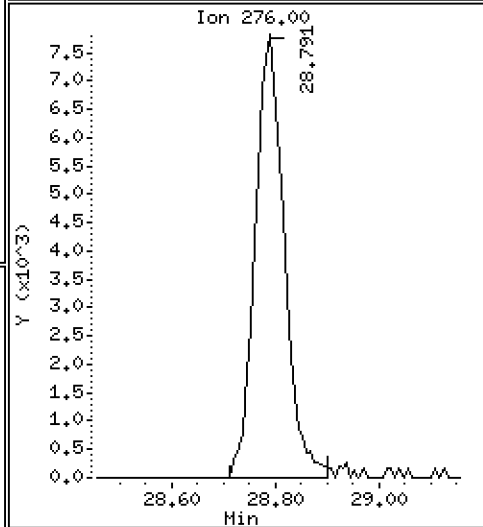
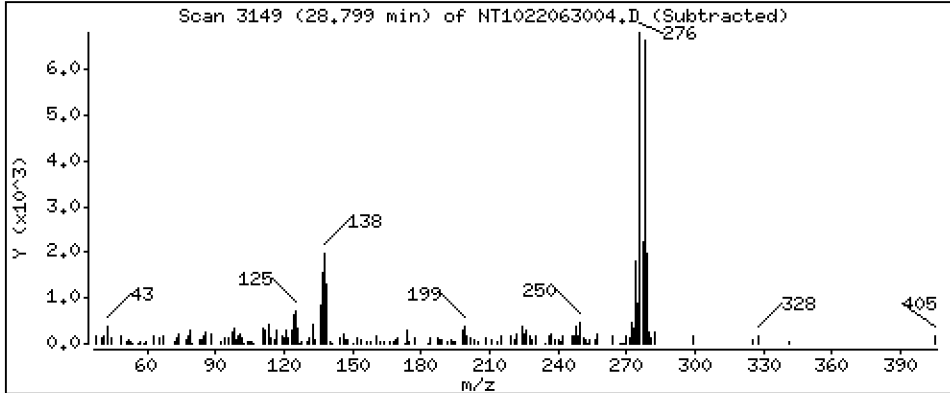
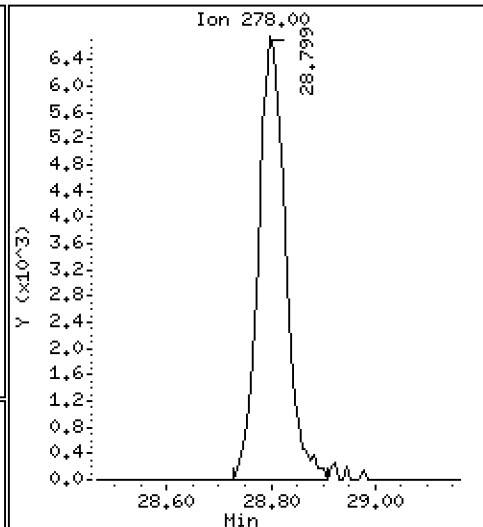
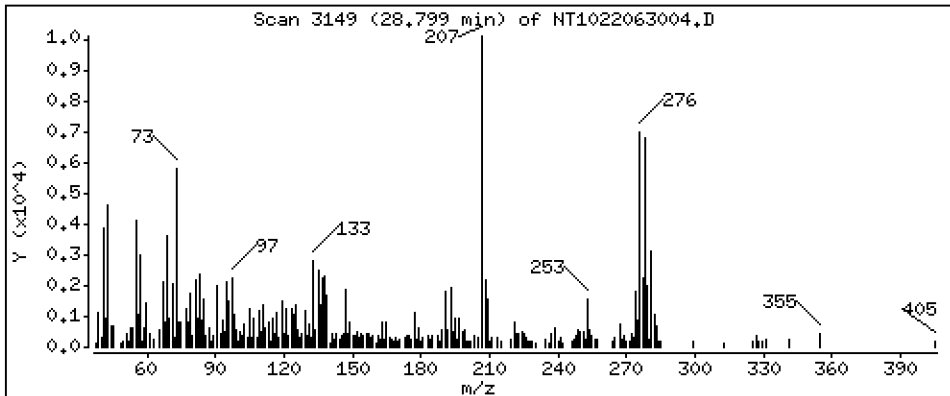
Operator: VTS

Column phase: ZB-5msi

Column diameter: 0,25

79 Dibenzo(a,h)anthracene

Concentration: 0,4000 ug/mL



Date : 30-JUN-2022 15:27

Client ID:

Instrument: nt10.i

Sample Info: SKG0010-LCV1

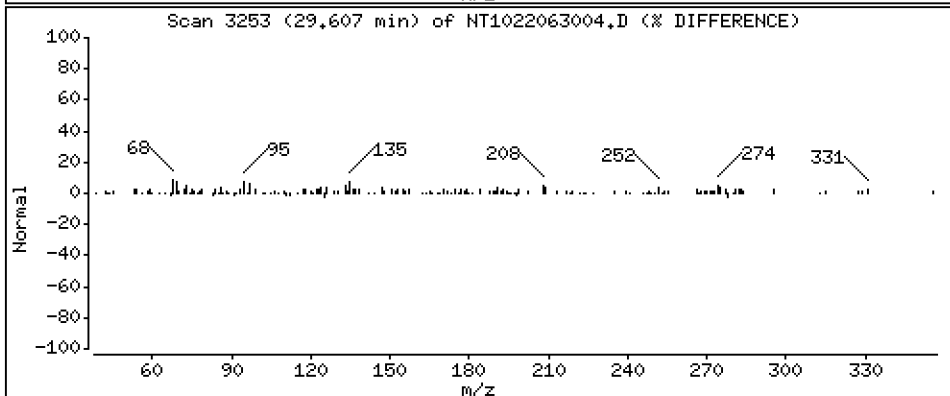
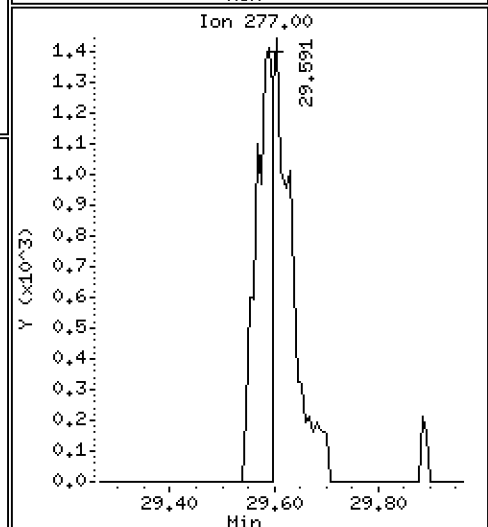
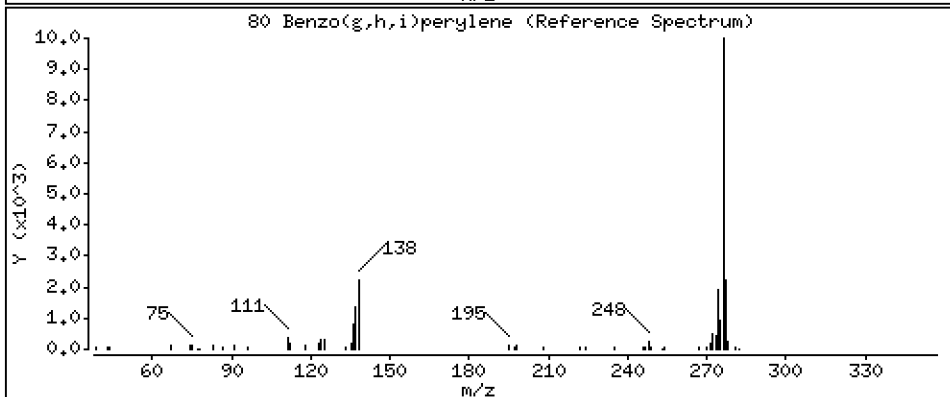
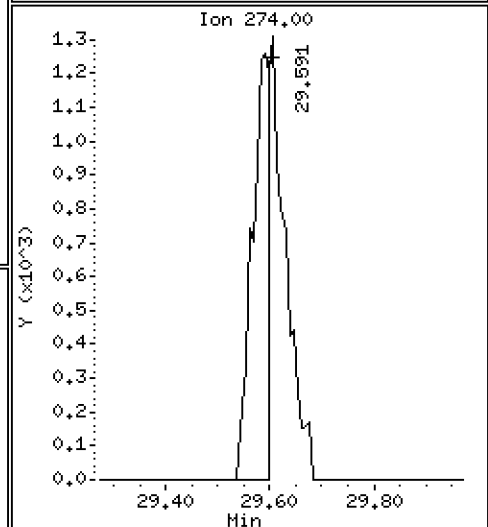
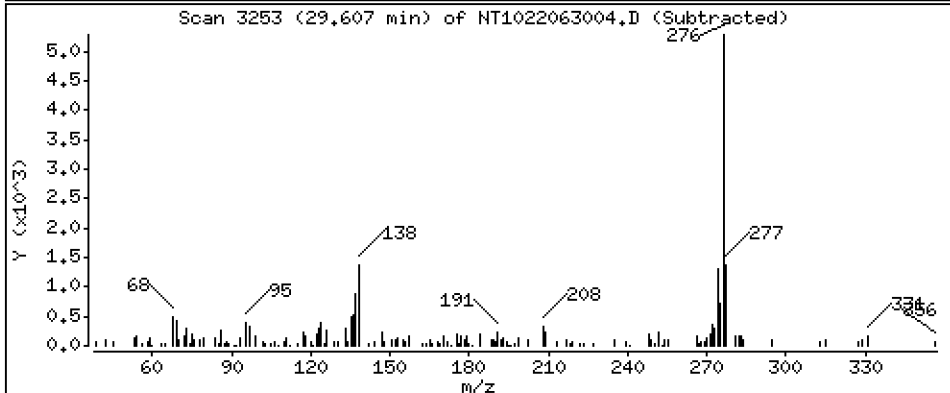
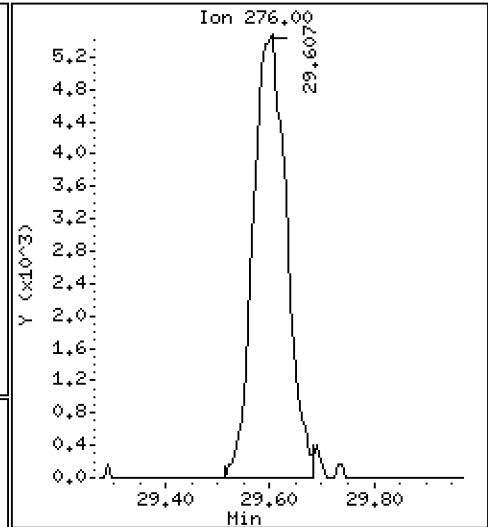
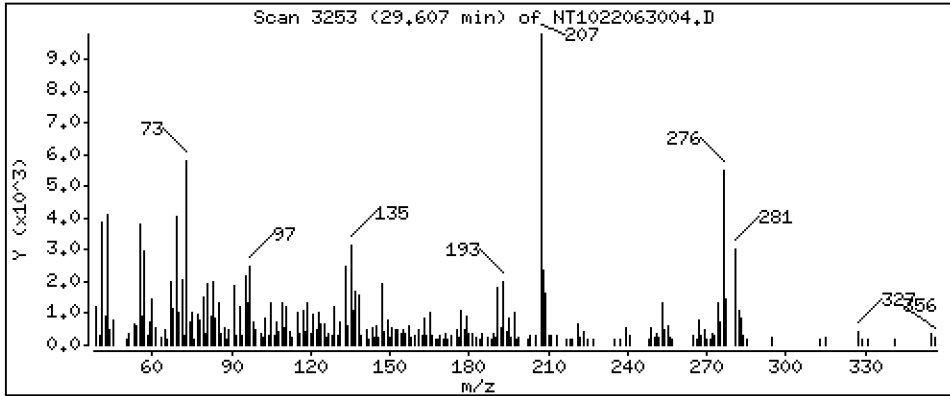
Operator: VTS

Column phase: ZB-5msi

Column diameter: 0,25

80 Benzo(g,h,i)perylene

Concentration: 0,3882 ug/mL



Date : 30-JUN-2022 15:27

Client ID:

Instrument: nt10.i

Sample Info: SKG0010-LCV1

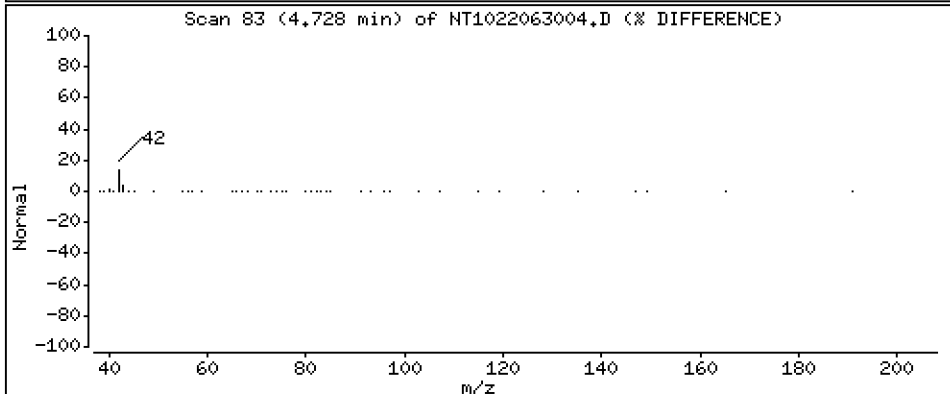
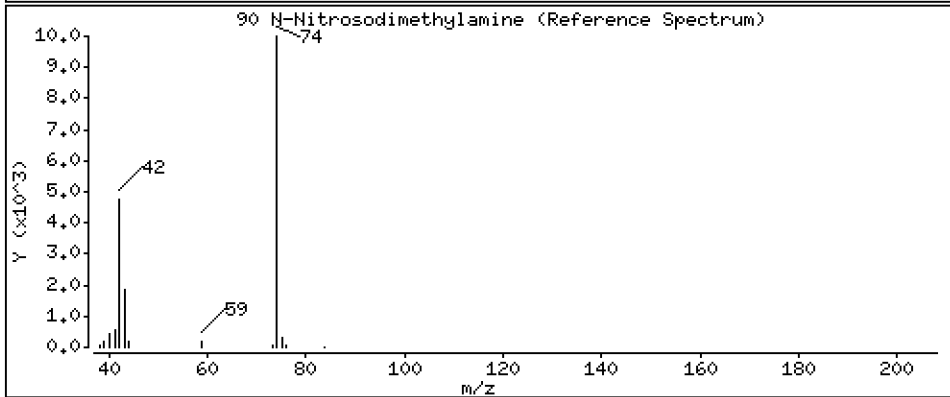
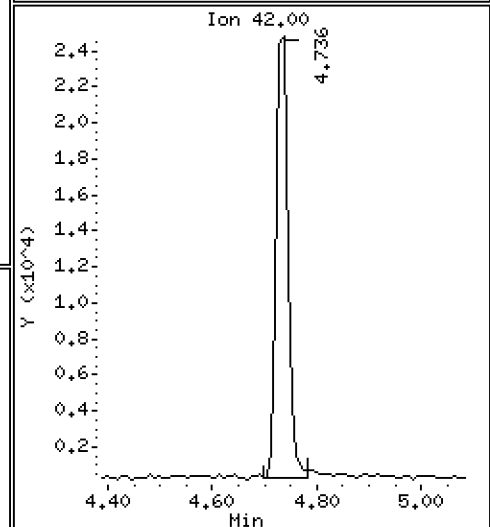
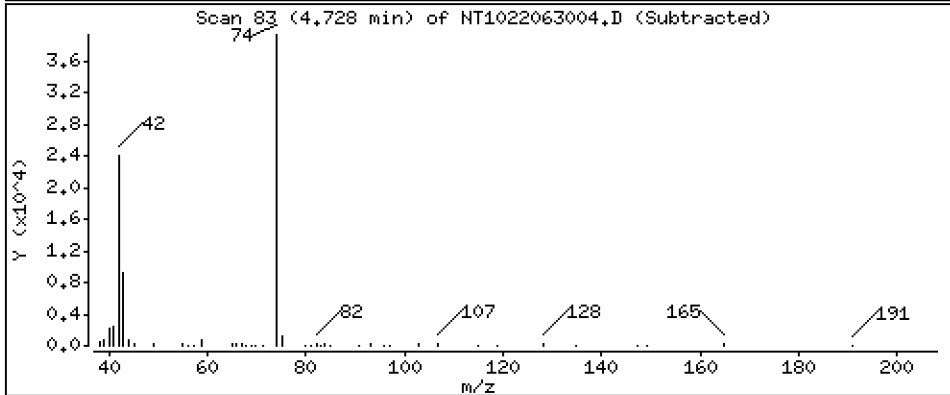
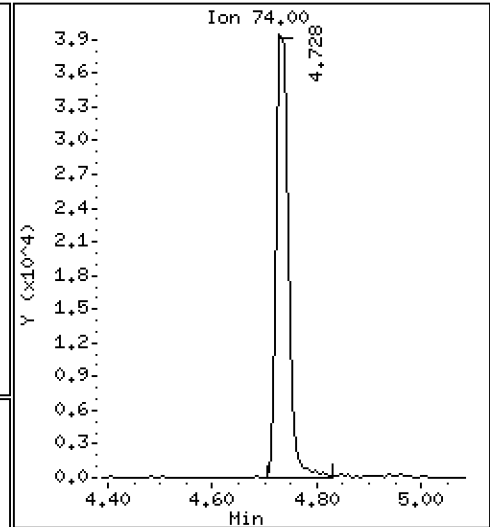
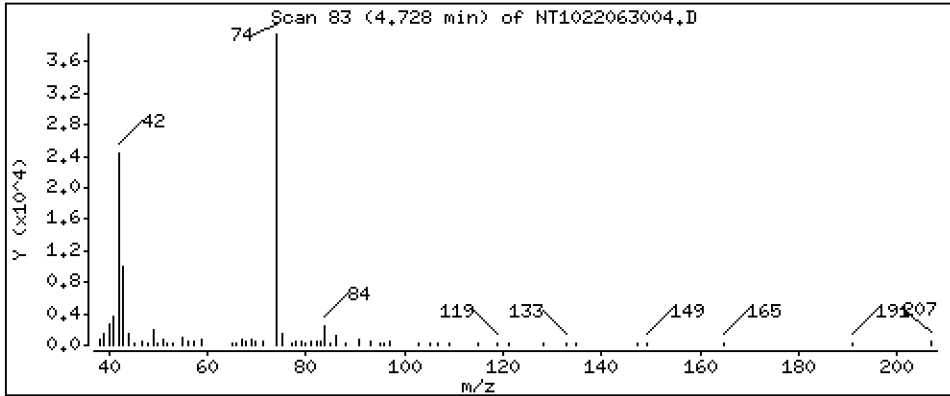
Operator: VTS

Column phase: ZB-5msi

Column diameter: 0.25

90 N-Nitrosodimethylamine

Concentration: 0.7578 ug/mL



Date : 30-JUN-2022 15:27

Client ID:

Instrument: nt10.i

Sample Info: SKG0010-LCV1

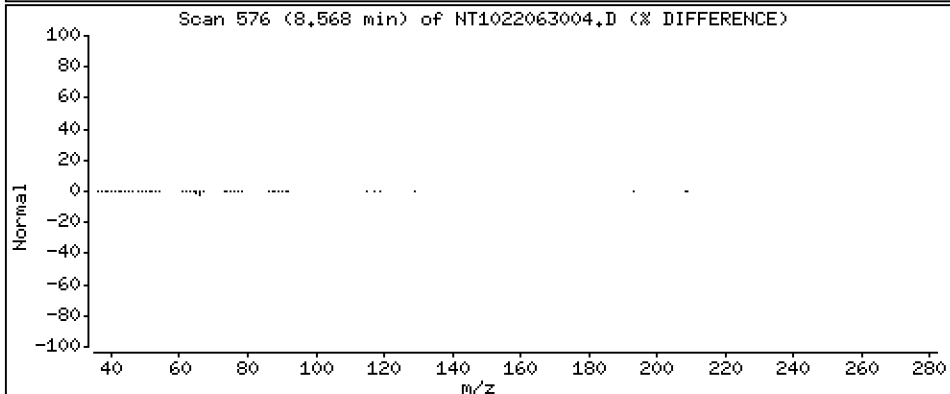
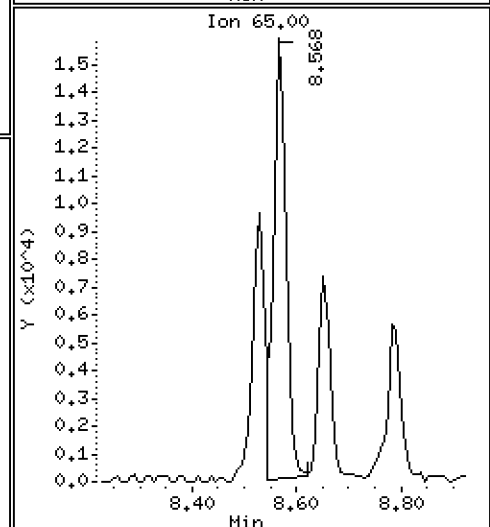
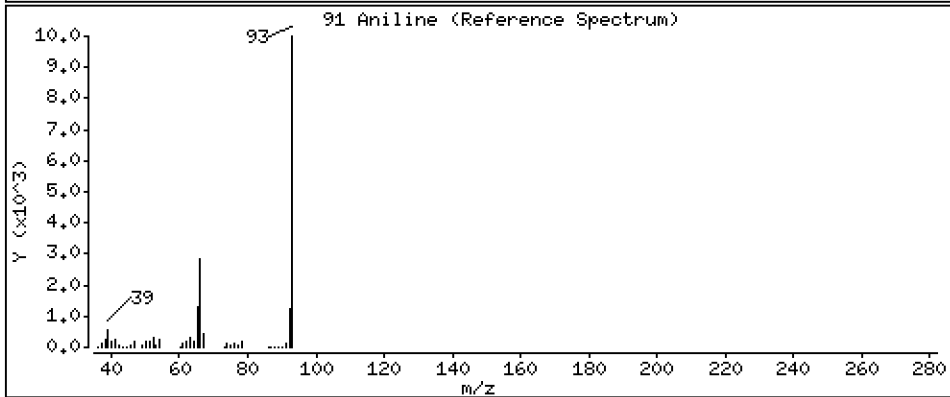
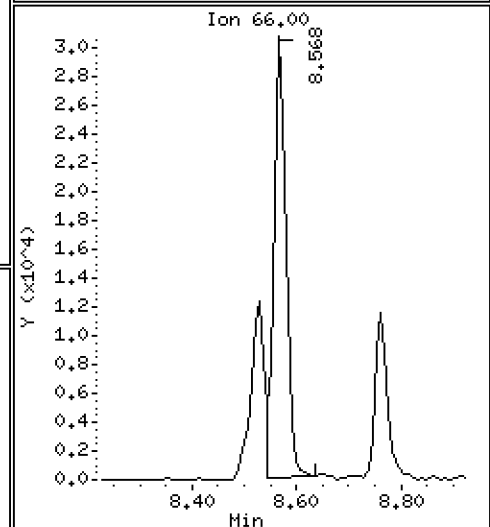
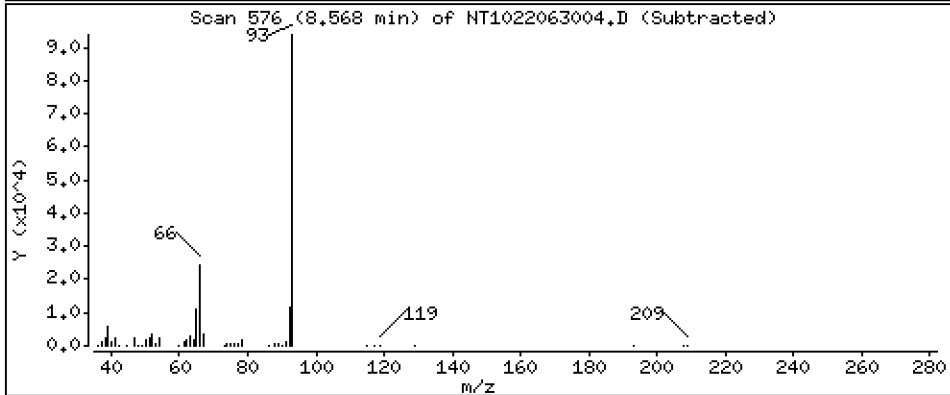
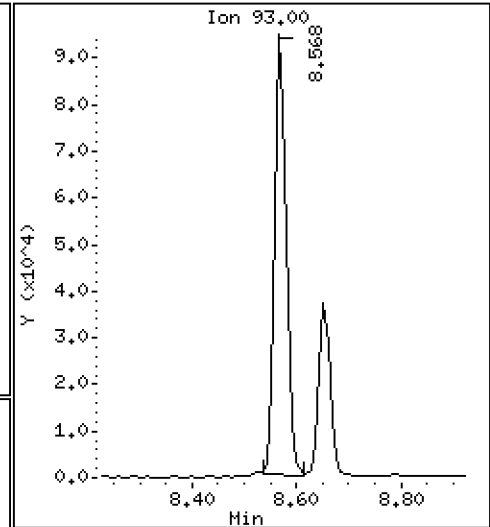
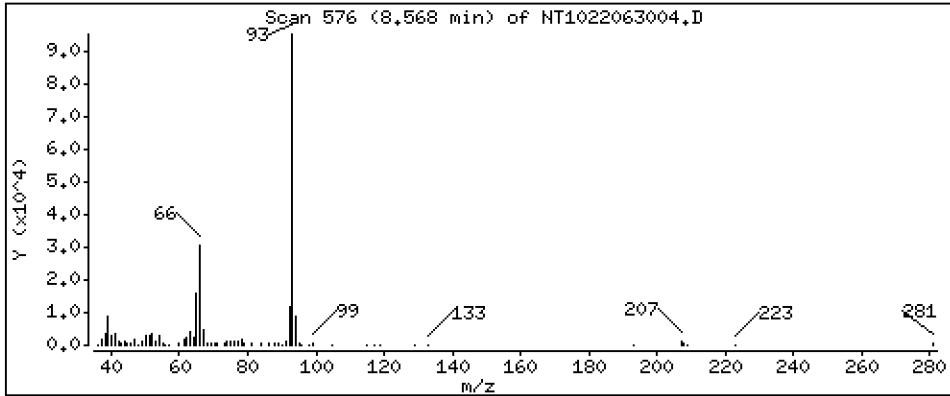
Operator: VTS

Column phase: ZB-5msi

Column diameter: 0,25

91 Aniline

Concentration: 0,8970 ug/mL



Date : 30-JUN-2022 15:27

Client ID:

Instrument: nt10.i

Sample Info: SKG0010-LCV1

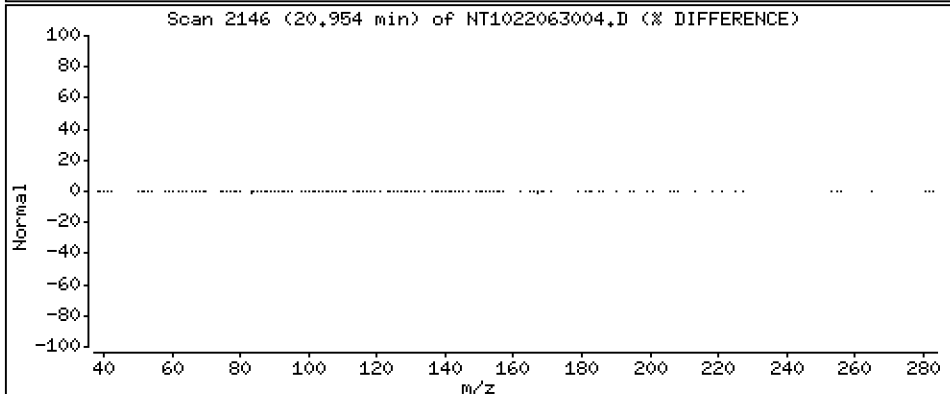
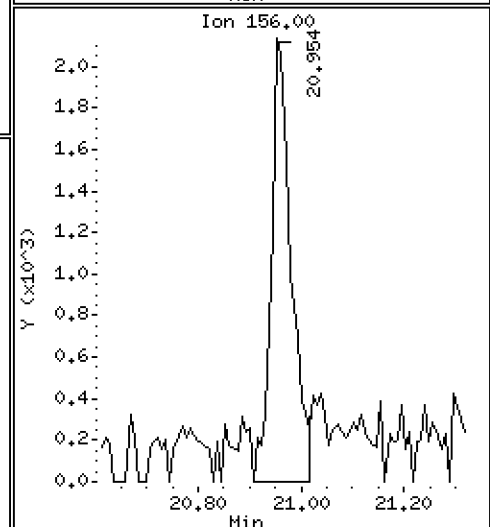
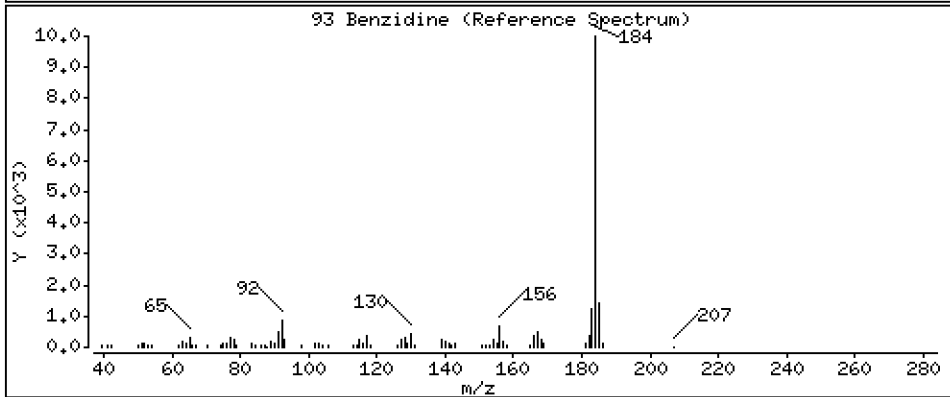
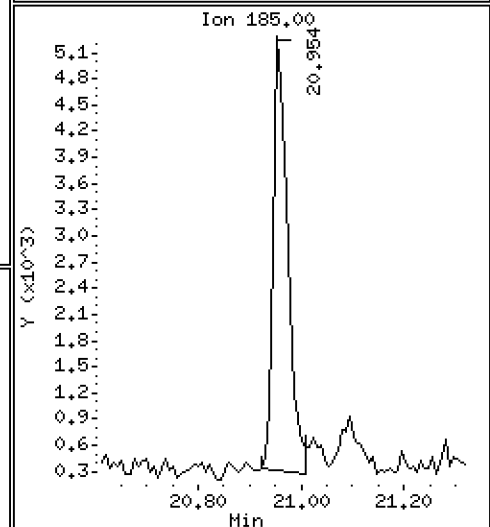
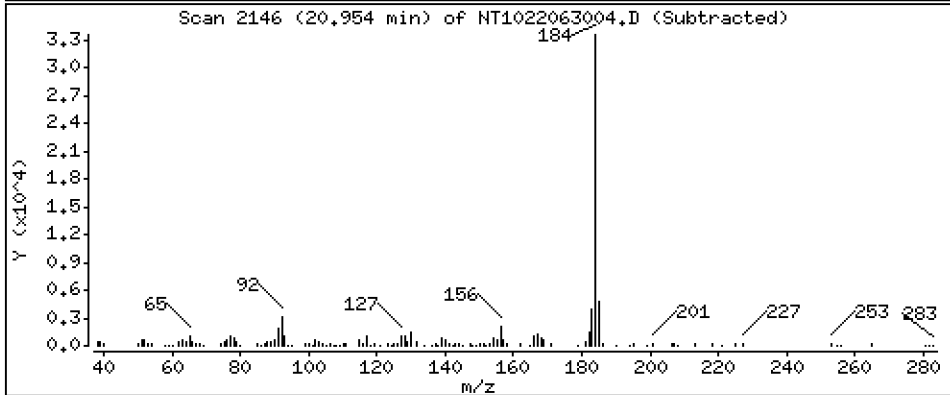
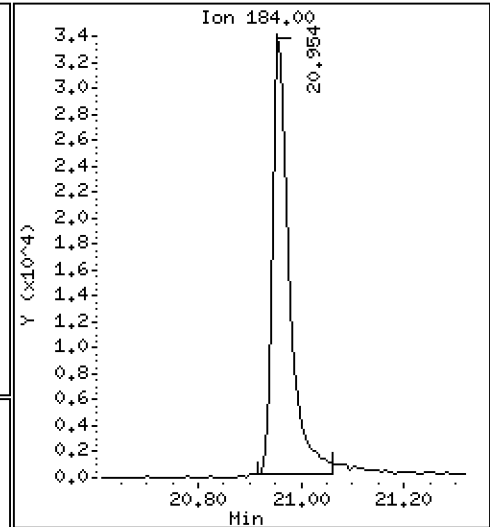
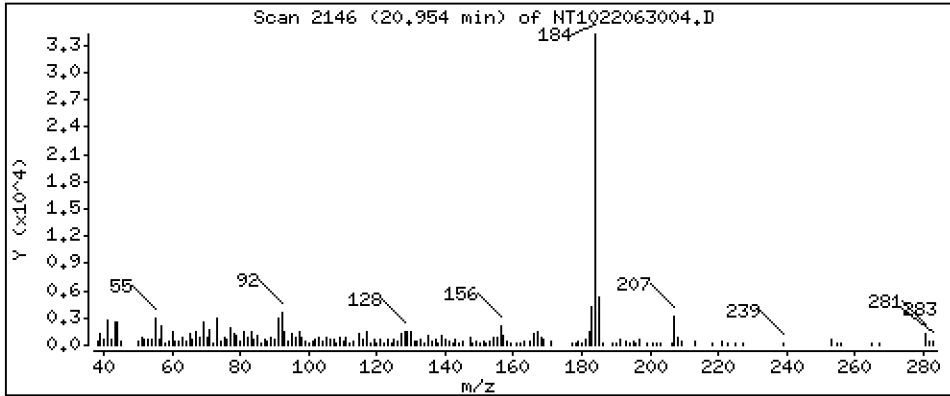
Operator: VTS

Column phase: ZB-5msi

Column diameter: 0,25

93 Benzidine

Concentration: 1,525 ug/mL



Date : 30-JUN-2022 15:27

Client ID:

Instrument: nt10.i

Sample Info: SKG0010-LCV1

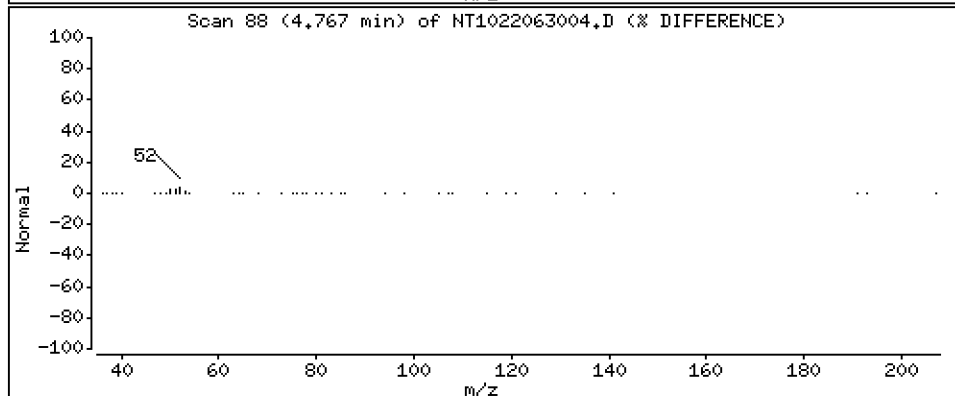
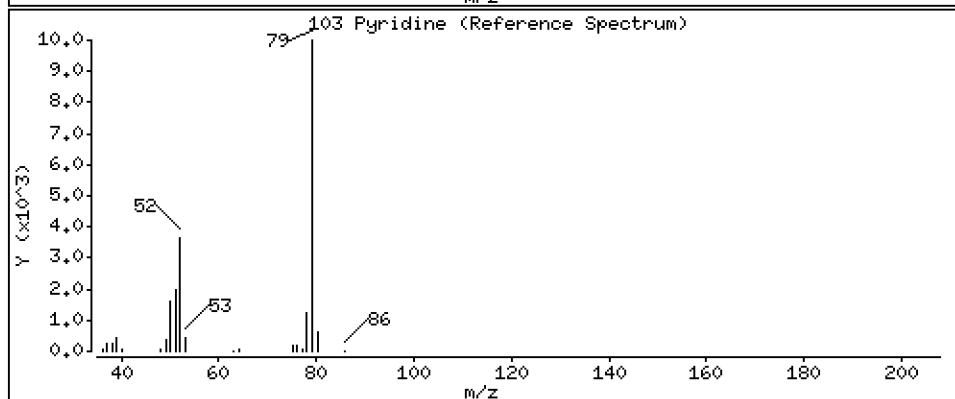
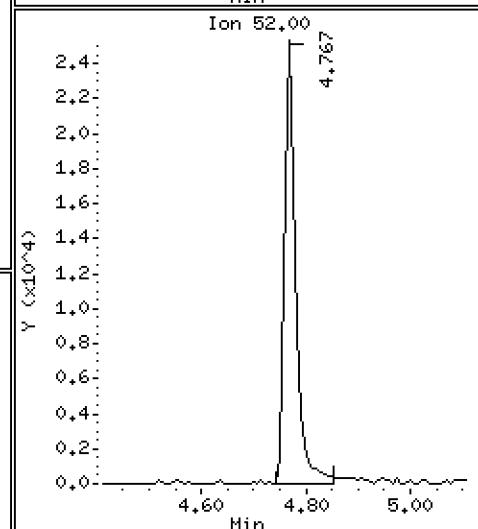
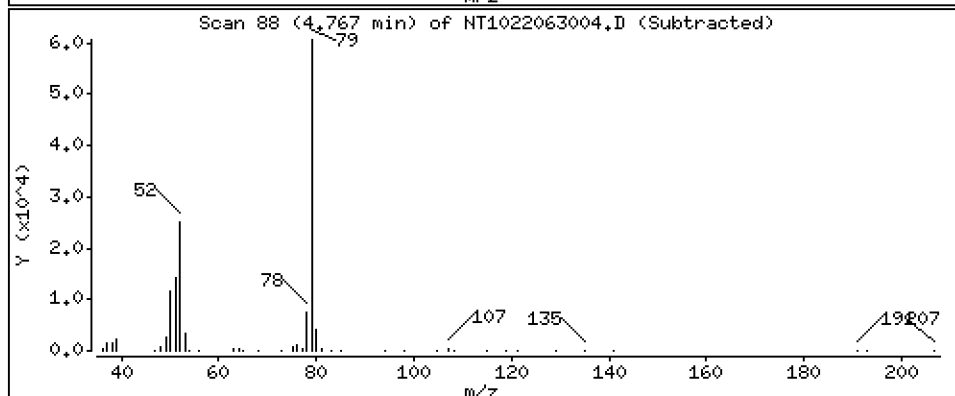
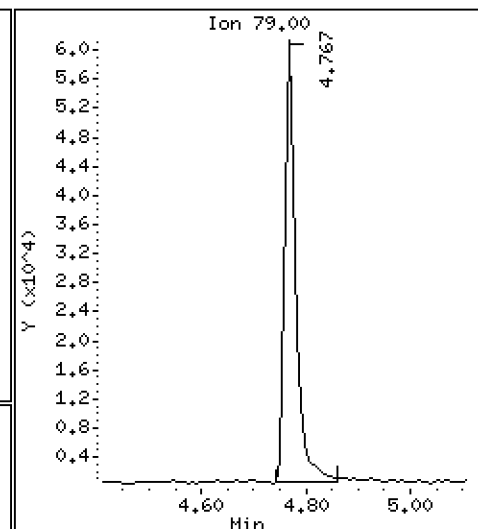
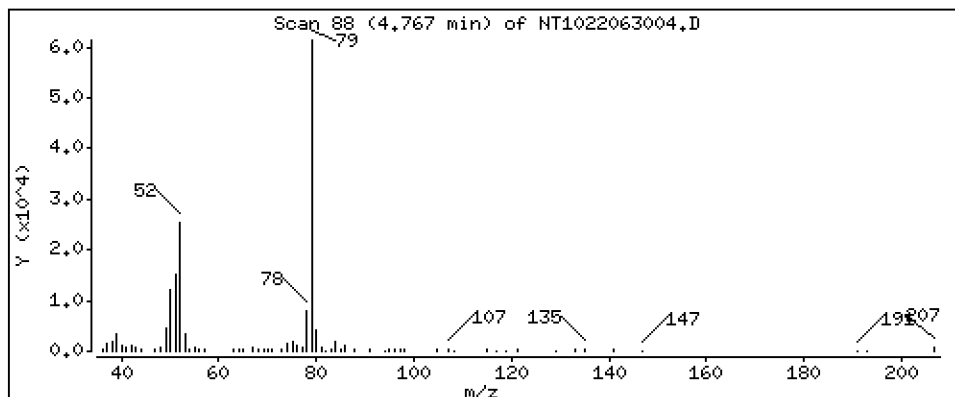
Operator: VTS

Column phase: ZB-5msi

Column diameter: 0,25

103 Pyridine

Concentration: 0,3969 ug/mL



Date : 30-JUN-2022 15:27

Client ID:

Instrument: nt10.i

Sample Info: SKG0010-LCV1

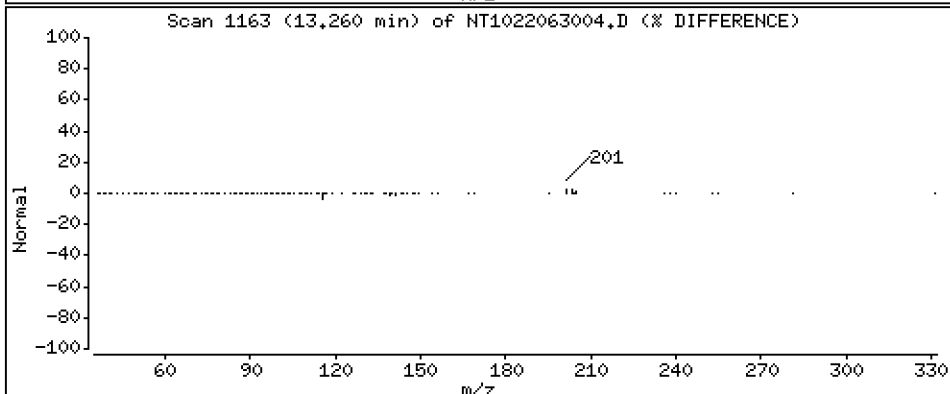
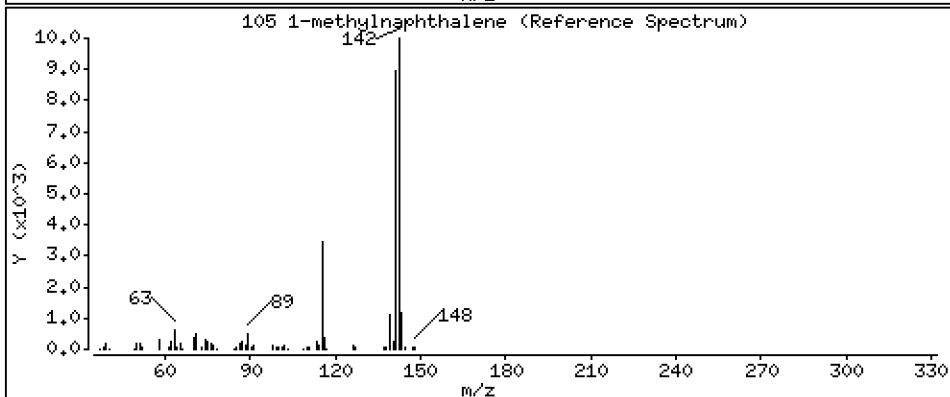
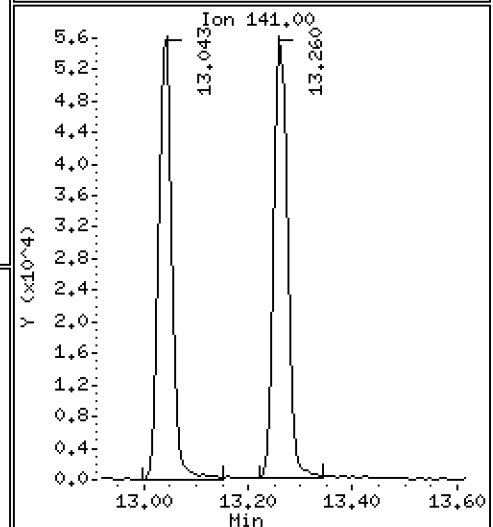
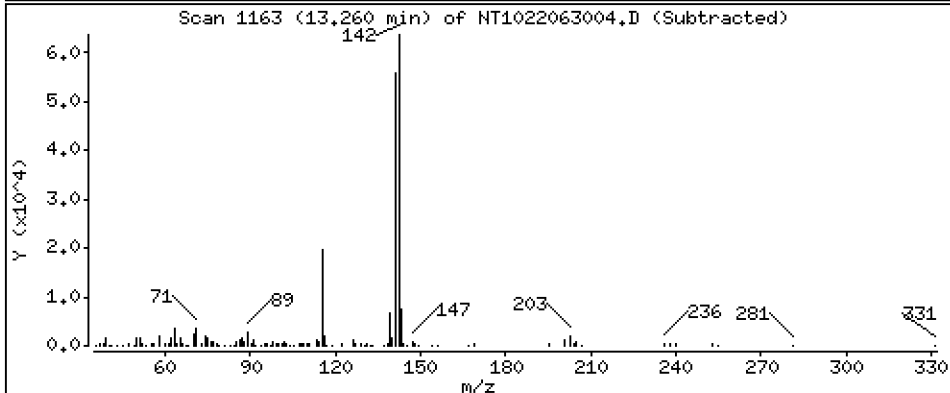
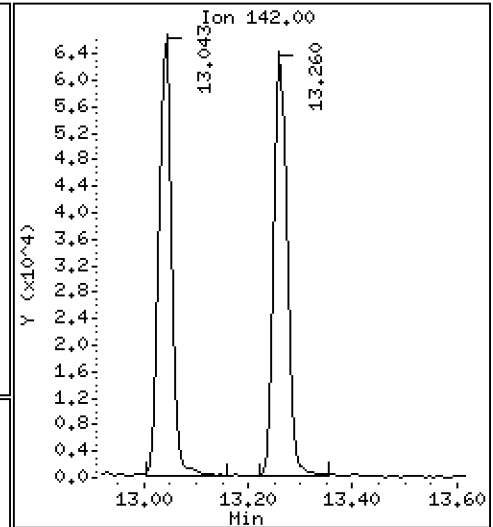
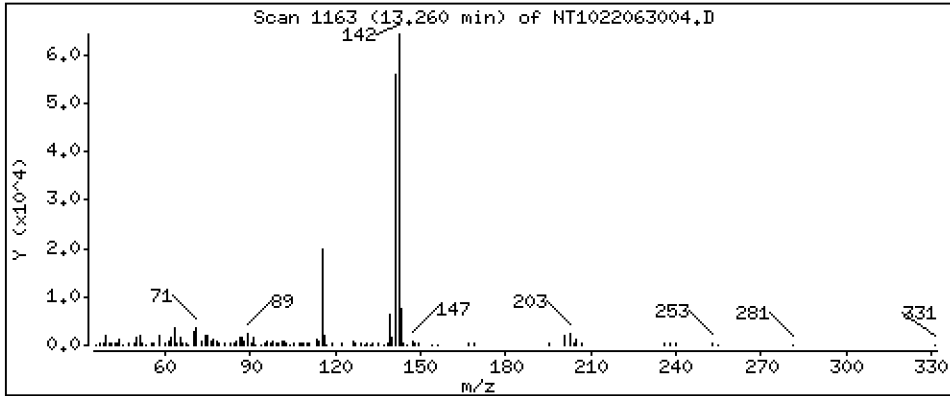
Operator: VTS

Column phase: ZB-5msi

Column diameter: 0,25

105 1-methylnaphthalene

Concentration: 0,4057 ug/mL



Date : 30-JUN-2022 15:27

Client ID:

Instrument: nt10.i

Sample Info: SKG0010-LCV1

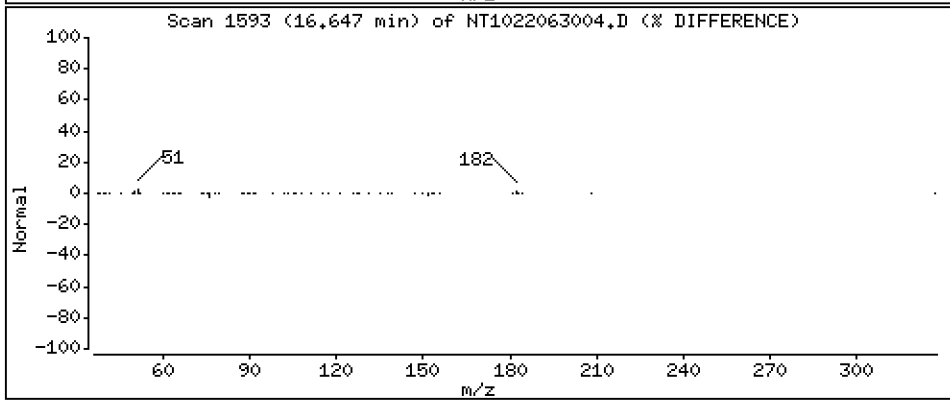
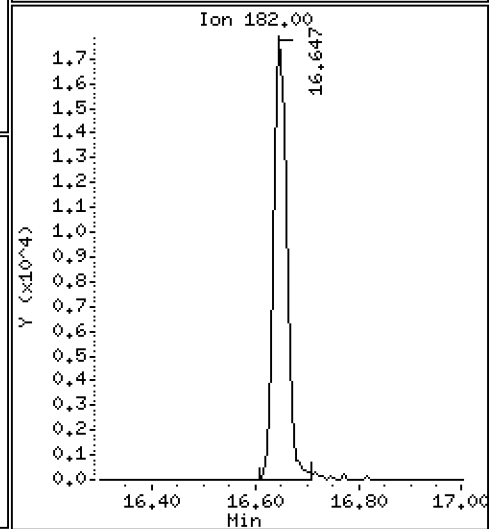
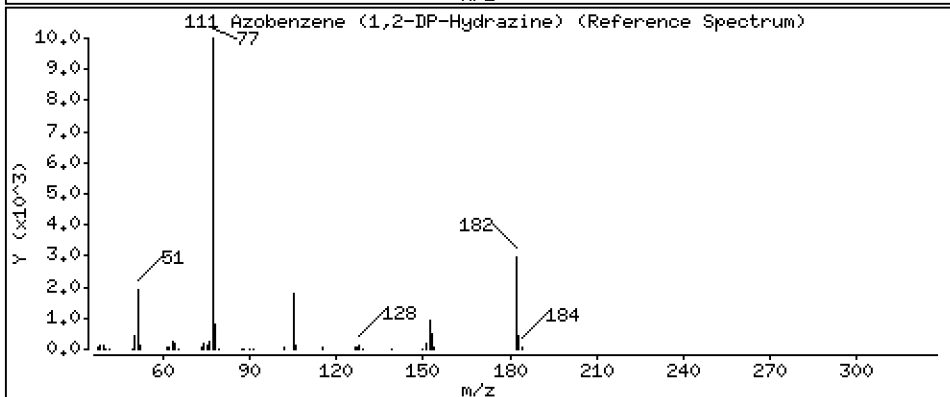
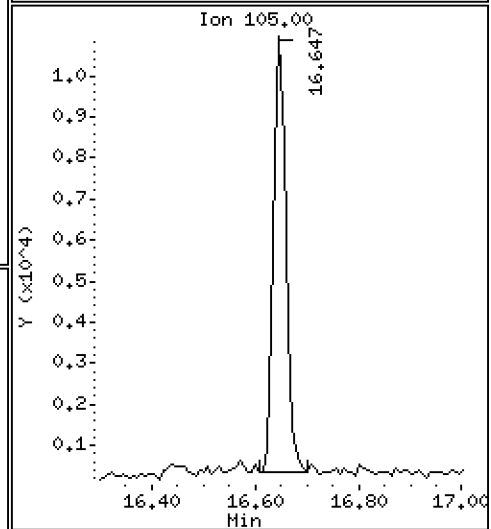
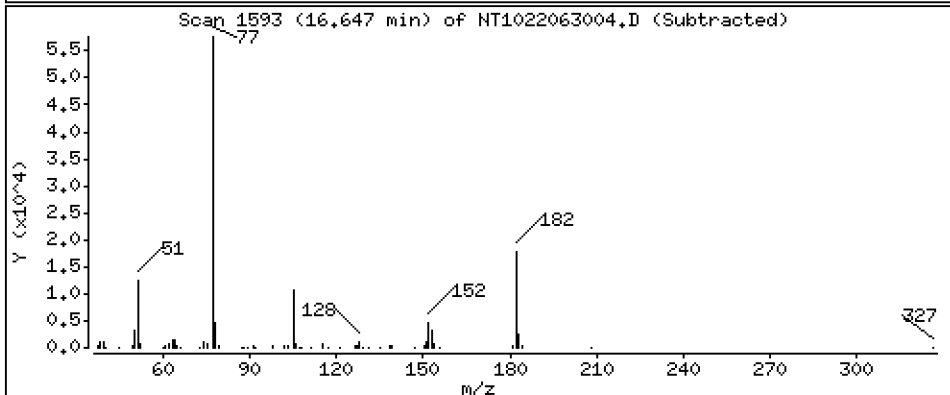
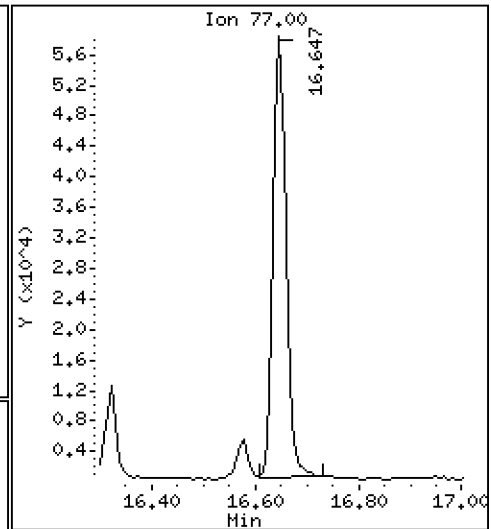
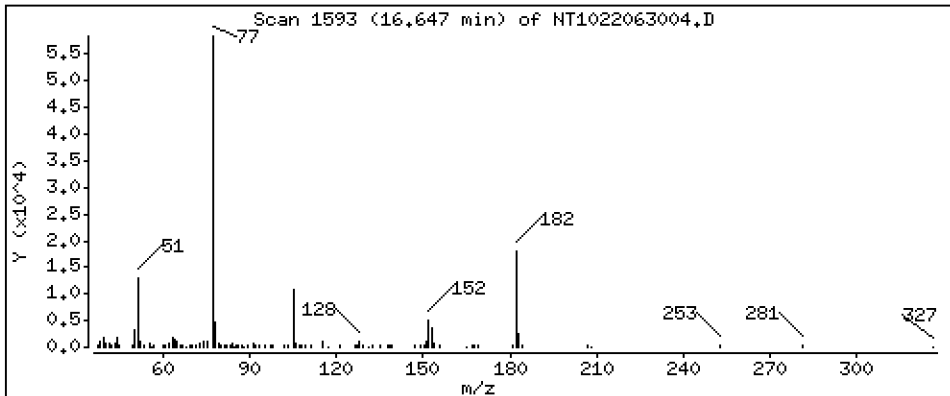
Operator: VTS

Column phase: ZB-5msi

Column diameter: 0.25

111 Azobenzene (1,2-DP-Hydrazine)

Concentration: 0.4299 ug/mL



Date : 30-JUN-2022 15:27

Client ID:

Instrument: nt10.i

Sample Info: SKG0010-LCV1

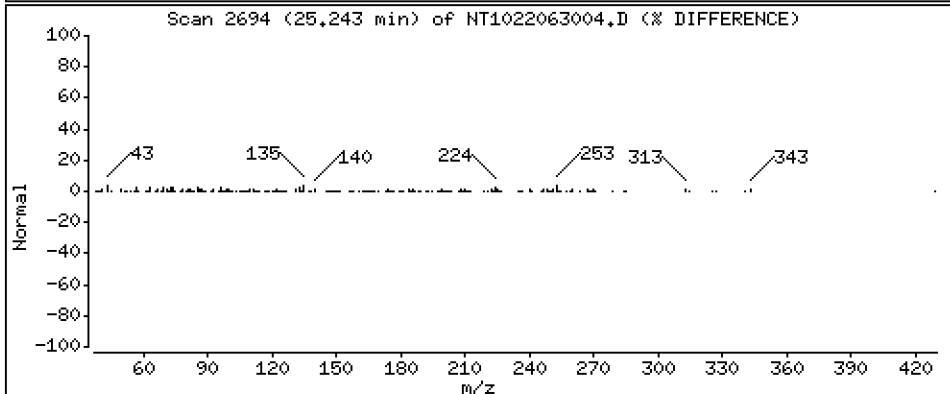
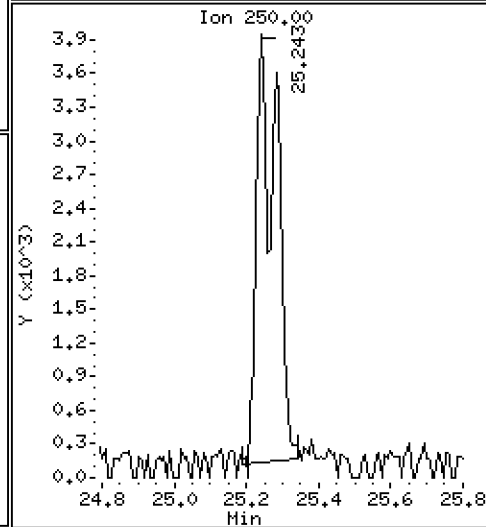
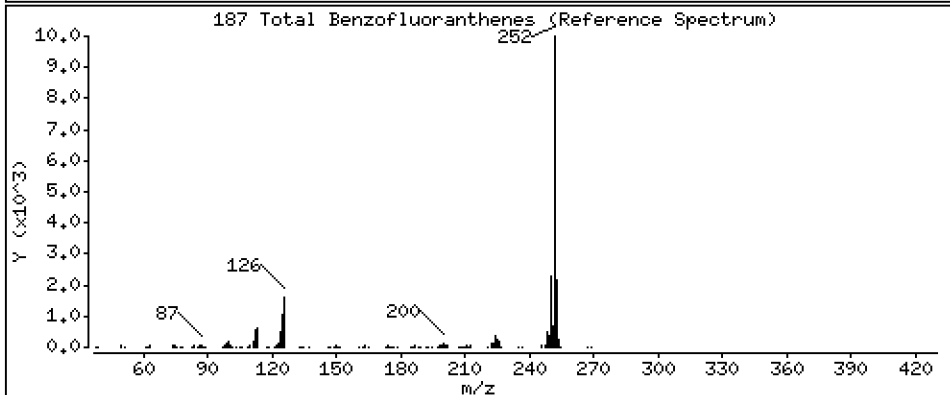
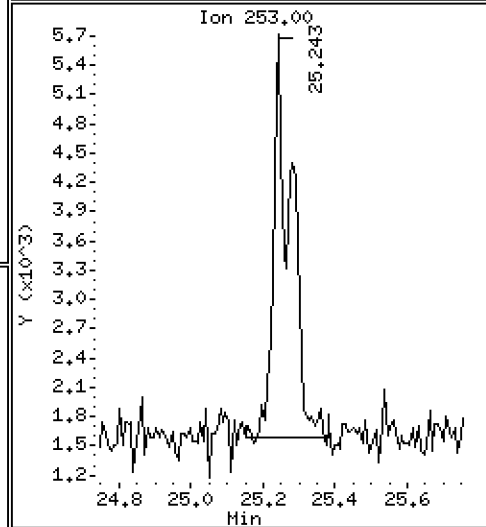
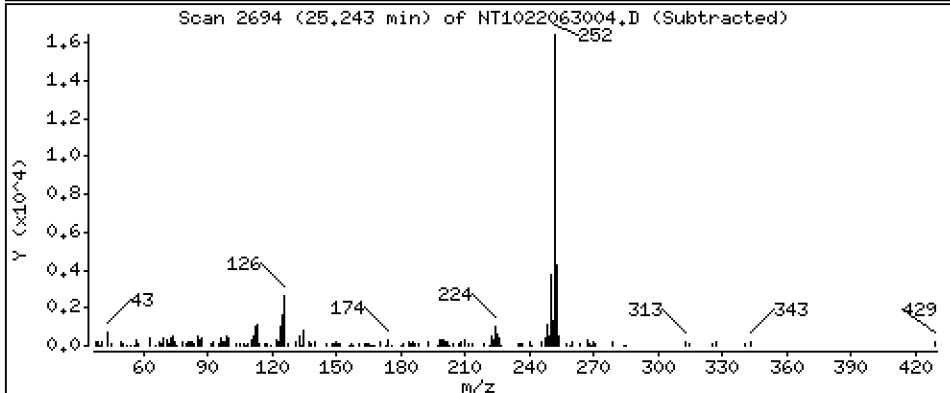
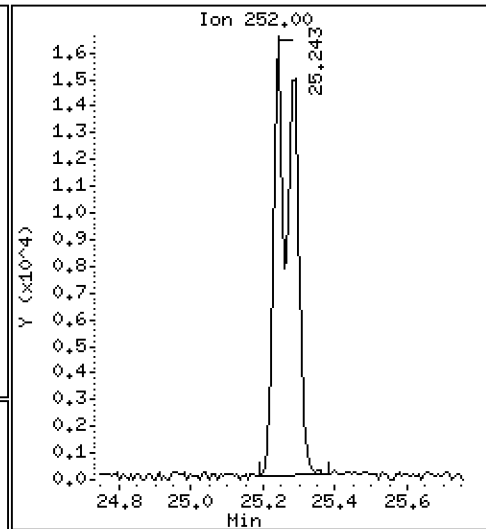
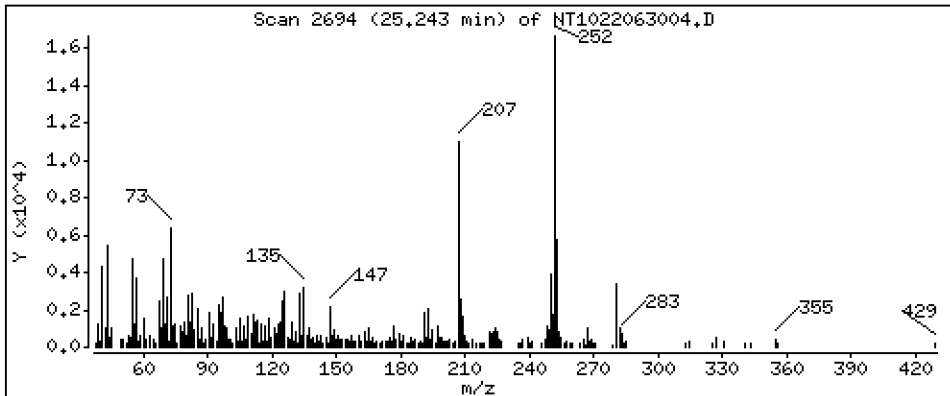
Operator: VTS

Column phase: ZB-5msi

Column diameter: 0,25

187 Total Benzofluoranthenes

Concentration: 0,7269 ug/mL



Date : 30-JUN-2022 15:27

Client ID:

Instrument: nt10.i

Sample Info: SKG0010-LCV1

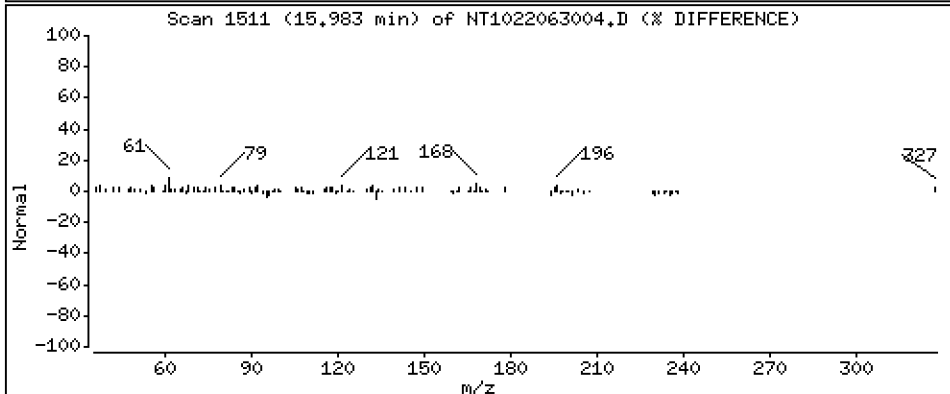
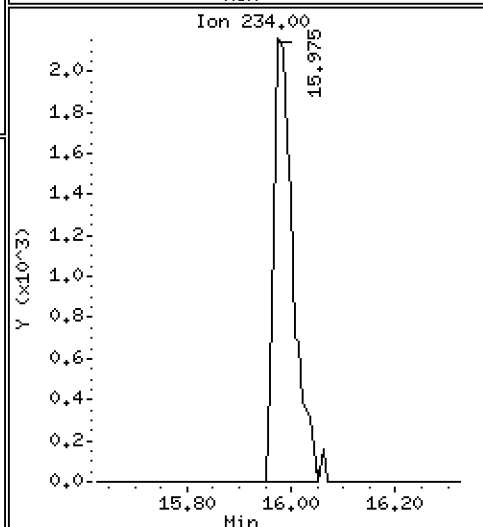
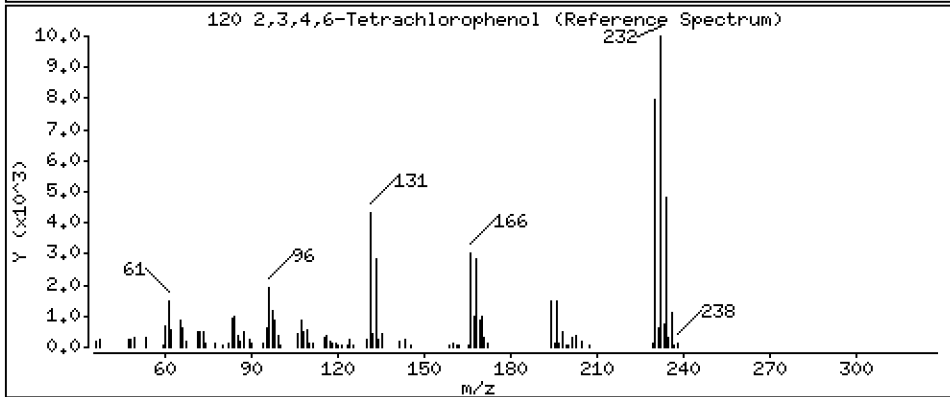
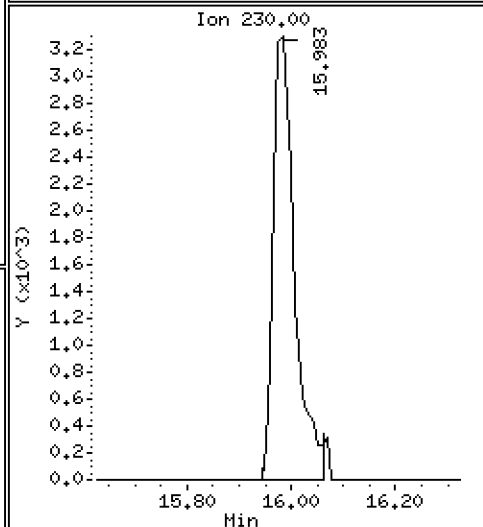
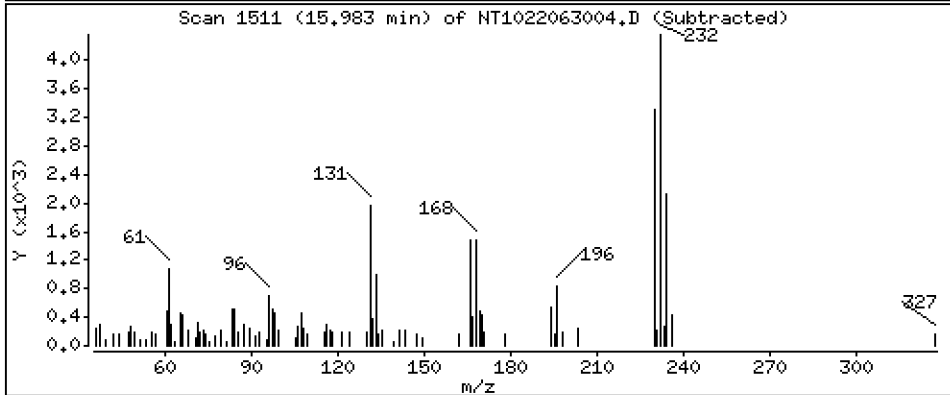
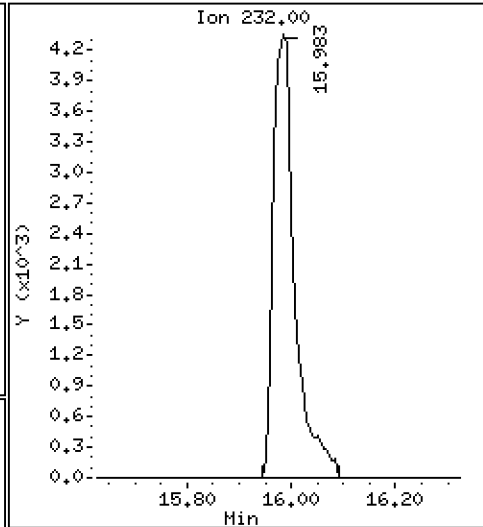
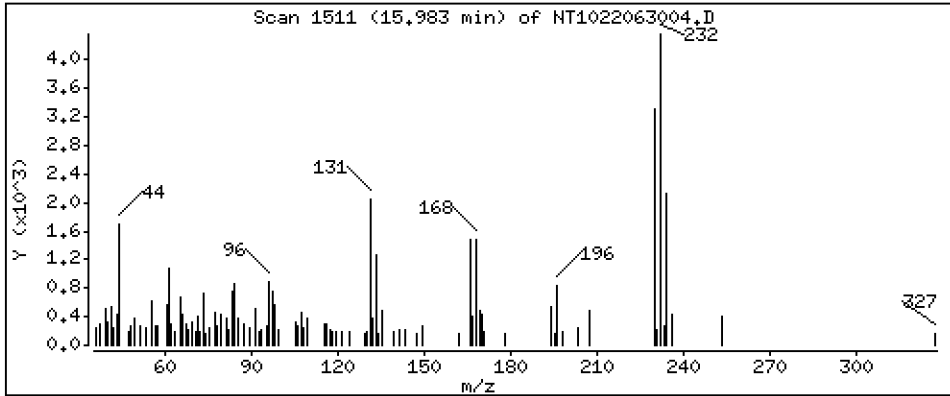
Operator: VTS

Column phase: ZB-5msi

Column diameter: 0,25

120 2,3,4,6-Tetrachlorophenol

Concentration: 0,2491 ug/mL



ARI Labs, Inc.

Semivolatile Report SW846 Method 8270D

Data file : \\target\share\chem3\nt10.i\20220630.b\NT1022063004.D
 Lab Smp Id: SKG0010-LCV1
 Inj Date : 30-JUN-2022 15:27
 Operator : VTS
 Smp Info : SKG0010-LCV1
 Misc Info :
 Comment : 1ul Injection
 Method : \\target\share\chem3\nt10.i\20220630.b\ABN.m
 Meth Date : 01-Jul-2022 17:13 yev
 Cal Date : 23-JUN-2022 13:07
 Als bottle: 18
 Dil Factor: 1.00000
 Integrator: HP RTE
 Target Version: 4.14
 Processing Host: ORGDATA102

Inst ID: nt10.i

Quant Type: ISTD
 Cal File: NT1022062308.D

Compound Sublist: ICAL.sub

Compounds	QUANT	SIG	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS	
							ON-COLUMN	FINAL
	MASS						(ug/mL)	(ug/mL)
\$ 1 2-Fluorophenol	112		6.922	6.922	(0.760)	85992	0.70782	0.7078
\$ 2 Phenol-d5	99		8.506	8.513	(0.934)	104846	0.58163	0.5816
3 Phenol	94		8.529	8.529	(0.936)	69656	0.44345	0.4435
\$ 5 2-Chlorophenol-d4	132		8.760	8.768	(0.962)	82538	0.66676	0.6668
4 Bis(2-Chloroethyl)ether	93		8.652	8.660	(0.950)	54398	0.48120	0.4812
6 2-Chlorophenol	128		8.791	8.791	(0.965)	56585	0.45186	0.4519
7 1,3-Dichlorobenzene	146		9.047	9.055	(0.993)	66941	0.49423	0.4942
* 8 1,4-Dichlorobenzene-d4	152		9.109	9.117	(1.000)	332704	4.00000	
9 1,4-Dichlorobenzene	146		9.140	9.148	(1.003)	44935	0.42088	0.4209
\$ 10 1,2-Dichlorobenzene-d4	152		9.474	9.474	(1.040)	34133	0.44748	0.4475
12 1,2-Dichlorobenzene	146		9.497	9.505	(1.043)	53559	0.47255	0.4725
11 Benzyl alcohol	108		9.396	9.396	(1.032)	28171	0.45021	0.4502
14 2,2'-oxybis(1-Chloropropane)	121		9.683	9.683	(1.063)	11751	0.43841	0.4384
13 2-Methylphenol	108		9.629	9.637	(1.057)	40878	0.42209	0.4221
17 Hexachloroethane	117		10.087	10.087	(1.107)	21423	0.45013	0.4501
16 N-Nitroso-di-n-propylamine	70		9.932	9.939	(1.090)	27817	0.41299	0.4130
15 4-Methylphenol	108		9.901	9.901	(1.087)	41818	0.40404	0.4040
\$ 18 Nitrobenzene-d5	82		10.203	10.211	(0.880)	47928	0.42411	0.4241
19 Nitrobenzene	77		10.242	10.242	(0.883)	46677	0.40980	0.4098
20 Isophorone	82		10.684	10.692	(0.921)	59422	0.36063	0.3606
21 2-Nitrophenol	139		10.868	10.876	(0.937)	26341	0.36614	0.3661
22 2,4-Dimethylphenol	107		10.936	10.944	(0.943)	74464	0.85203	0.8520
23 Bis(2-Chloroethoxy)methane	93		11.114	11.123	(0.958)	47498	0.47981	0.4798
24 Benzoic acid	105		11.114	11.123	(0.958)	2192	0.04871	0.04871
25 2,4-Dichlorophenol	162		11.352	11.352	(0.979)	69278	0.77995	0.7800
26 1,2,4-Trichlorobenzene	180		11.511	11.519	(0.993)	47880	0.50220	0.5022
* 27 Naphthalene-d8	136		11.596	11.604	(1.000)	1062043	4.00000	
28 Naphthalene	128		11.635	11.643	(1.003)	111963	0.41192	0.4119
29 4-Chloroaniline	127		11.774	11.774	(1.015)	86728	0.72263	0.7226
30 Hexachlorobutadiene	225		11.990	11.998	(1.034)	21024	0.46223	0.4622
31 4-Chloro-3-methylphenol	107		12.772	12.764	(1.101)	70950	0.67735	0.6773
32 2-Methylnaphthalene	142		13.043	13.043	(1.125)	107941	0.39957	0.3996
33 Hexachlorocyclopentadiene	237		13.507	13.507	(0.888)	282	0.00889	0.008895

Compounds	QUANT	SIG	CONCENTRATIONS						
			MASS	RT	EXP RT	REL RT	RESPONSE	ON-COLUMN (ug/mL)	FINAL (ug/mL)
34 2,4,6-Trichlorophenol	196		13.685	13.677	(0.899)	51906	0.82078	0.8208	
35 2,4,5-Trichlorophenol	196		13.786	13.770	(0.906)	58059	0.76455	0.7646	
§ 36 2-Fluorobiphenyl	172		13.817	13.824	(0.908)	115080	0.45703	0.4570	
37 2-Chloronaphthalene	162		14.033	14.041	(0.922)	99661	0.44898	0.4490	
38 2-Nitroaniline	65		14.304	14.304	(0.940)	49182	0.82831	0.8283	
39 Dimethylphthalate	163		14.722	14.730	(0.967)	95280	0.48829	0.4883	
40 Acenaphthylene	152		14.908	14.916	(0.980)	170592	0.52447	0.5245	
41 2,6-Dinitrotoluene	165		14.869	14.869	(0.977)	42512	0.93806	0.9381	
* 42 Acenaphthene-d10	164		15.217	15.225	(1.000)	556429	4.00000		
43 3-Nitroaniline	138		15.163	15.163	(0.996)	49041	0.91923	0.9192	
44 Acenaphthene	153		15.287	15.295	(1.005)	66357	0.41006	0.4101	
45 2,4-Dinitrophenol	184		Compound Not Detected.						
46 Dibenzofuran	168		15.612	15.619	(1.026)	113793	0.44247	0.4425	
47 4-Nitrophenol	109		15.588	15.550	(1.024)	2483	0.14267	0.1427	
48 2,4-Dinitrotoluene	165		15.681	15.689	(1.030)	45361	0.74889	0.7489	
50 Diethylphthalate	149		16.184	16.191	(1.063)	82285	0.49158	0.4916	
49 Fluorene	166		16.331	16.338	(1.073)	131655	0.42843	0.4284	
51 4-Chlorophenyl-phenylether	204		16.323	16.331	(1.073)	39560	0.29315	0.2931	
52 4-Nitroaniline	138		16.446	16.439	(1.081)	54077	1.01202	1.012	
53 4,6-Dinitro-2-methylphenol	198		16.554	16.539	(0.906)	1052	0.02645	0.02645	
54 N-Nitrosodiphenylamine	169		16.577	16.577	(0.907)	81544	0.51153	0.5115	
§ 55 2,4,6-Tribromophenol	330		16.886	16.878	(1.110)	10781	0.42973	0.4297	
56 4-Bromophenyl-phenylether	248		17.325	17.333	(0.948)	34020	0.46061	0.4606	
57 Hexachlorobenzene	284		17.650	17.658	(0.966)	35936	0.50691	0.5069	
58 Pentachlorophenol	266		18.060	18.029	(0.989)	210	0.01385	0.01385 (M)	
* 59 Phenanthrene-d10	188		18.269	18.277	(1.000)	1013804	4.00000		
60 Phenanthrene	178		18.323	18.331	(1.003)	106852	0.40118	0.4012	
61 Anthracene	178		18.416	18.424	(1.008)	117550	0.41415	0.4142	
62 Carbazole	167		18.757	18.757	(1.027)	124005	0.47357	0.4736	
63 Di-n-butylphthalate	149		19.546	19.554	(1.070)	155256	0.39525	0.3952	
64 Fluoranthene	202		20.714	20.722	(0.887)	146169	0.63234	0.6323	
65 Pyrene	202		21.140	21.147	(0.905)	139448	0.68914	0.6891	
§ 66 Terphenyl-d14	244		21.426	21.434	(0.918)	86055	0.75333	0.7533	
67 Butylbenzylphthalate	149		22.355	22.363	(0.958)	44090	0.66673	0.6667	
68 Benzo(a)anthracene	228		23.315	23.331	(0.999)	56474	0.40714	0.4071	
* 69 Chrysene-d12	240		23.346	23.354	(1.000)	327341	4.00000		
70 3,3'-Dichlorobenzidine	252		23.276	23.284	(0.997)	56623	1.25273	1.253	
71 Chrysene	228		23.393	23.400	(1.002)	39029	0.42398	0.4240	
72 bis(2-Ethylhexyl)phthalate	149		23.393	23.400	(0.959)	33094	0.53617	0.5362	
* 134 Di-n-octylphthalate-d4	153		24.399	24.407	(1.000)	558419	4.00000		
73 Di-n-octylphthalate	149		24.407	24.415	(1.000)	57665	0.45433	0.4543	
74 Benzo(b)fluoranthene	252		25.243	25.251	(0.970)	30356	0.33151	0.3315	
75 Benzo(k)fluoranthene	252		25.289	25.297	(0.971)	34585	0.39278	0.3928	
76 Benzo(a)pyrene	252		25.917	25.924	(0.996)	30009	0.40042	0.4004	
* 77 Perylene-d12	264		26.033	26.041	(1.000)	202190	4.00000		
78 Indeno(1,2,3-cd)pyrene	276		28.791	28.806	(1.106)	30600	0.38241	0.3824	
79 Dibenzo(a,h)anthracene	278		28.799	28.814	(1.106)	24505	0.40004	0.4000	
80 Benzo(g,h,i)perylene	276		29.606	29.622	(1.137)	24829	0.38817	0.3882	
90 N-Nitrosodimethylamine	74		4.728	4.736	(0.519)	60238	0.75783	0.7578	
91 Aniline	93		8.567	8.575	(0.941)	140916	0.89698	0.8970	
93 Benzidine	184		20.954	20.962	(0.898)	73662	1.52535	1.525	
103 Pyridine	79		4.766	4.759	(0.523)	89437	0.39692	0.3969	
105 1-methylnaphthalene	142		13.259	13.267	(1.143)	107682	0.40573	0.4057	
111 Azobenzene (1,2-DP-Hydrazine)	77		16.647	16.655	(1.094)	95527	0.42986	0.4299	

Compounds	QUANT SIG	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS	
						ON-COLUMN (ug/mL)	FINAL (ug/mL)
187 Total Benzofluoranthenes	252	25.243	25.251	(0.970)	62063	0.72692	0.7269
120 2,3,4,6-Tetrachlorophenol	232	15.983	15.975	(1.050)	12241	0.24913	0.2491

QC Flag Legend

M - Compound response manually integrated.

ARI Labs, Inc.

INTERNAL STANDARD COMPOUNDS
 AREA AND RT SUMMARY

Instrument ID: nt10.i Calibration Date: 30-JUN-2022
 Lab File ID: NT1022063004.D Calibration Time: 14:09
 Lab Smp Id: SKG0010-LCV1
 Analysis Type: SV Level:
 Quant Type: ISTD Sample Type:
 Operator: VTS
 Method File: \\target\share\chem3\nt10.i\20220630.b\ABN.m
 Misc Info:

Test Mode:
 Use Last Continuing Calibrator.

COMPOUND	STANDARD	AREA LIMIT		SAMPLE	%DIFF
		LOWER	UPPER		
8 1,4-Dichlorobenze	207392	103696	414784	332704	60.42
27 Naphthalene-d8	696938	348469	1393876	1062043	52.39
42 Acenaphthene-d10	395441	197721	790882	556429	40.71
59 Phenanthrene-d10	603067	301534	1206134	1013804	68.11
69 Chrysene-d12	148146	74073	296292	327341	120.96
134 Di-n-octylphthala	308009	154005	616018	558419	81.30
77 Perylene-d12	115550	57775	231100	202190	74.98

<-

COMPOUND	STANDARD	RT LIMIT		SAMPLE	%DIFF
		LOWER	UPPER		
8 1,4-Dichlorobenze	9.12	8.62	9.62	9.11	-0.09
27 Naphthalene-d8	11.60	11.10	12.10	11.60	-0.07
42 Acenaphthene-d10	15.23	14.73	15.73	15.22	-0.05
59 Phenanthrene-d10	18.28	17.78	18.78	18.27	-0.04
69 Chrysene-d12	23.35	22.85	23.85	23.35	-0.03
134 Di-n-octylphthala	24.41	23.91	24.91	24.40	-0.03
77 Perylene-d12	26.04	25.54	26.54	26.03	-0.03

AREA UPPER LIMIT = +100% of internal standard area.
 AREA LOWER LIMIT = - 50% of internal standard area.
 RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
 RT LOWER LIMIT = - 0.50 minutes of internal standard RT.

REVIEW SUMMARY FOR FILE - NT1022063004.D

Lab ID: SKG0010-LCV1
nt10.i, ABN.m, 30-JUN-2022 15:27

RT CO-ELUTION COMPOUNDS

NO CO-ELUTIONS

Quant Method: ICAL

RRT CHECK

RRT	CCV	RRT	DELTA	COMPOUND
-----	-----	-----	-------	----------

NONE

RRT check based on Ccal File: NT1022063002.D

On Column LOD for nt10.i, ABN.m, ICAL.sub = 0.0000

* Only compounds listed in the work order have been verified by the analyst *

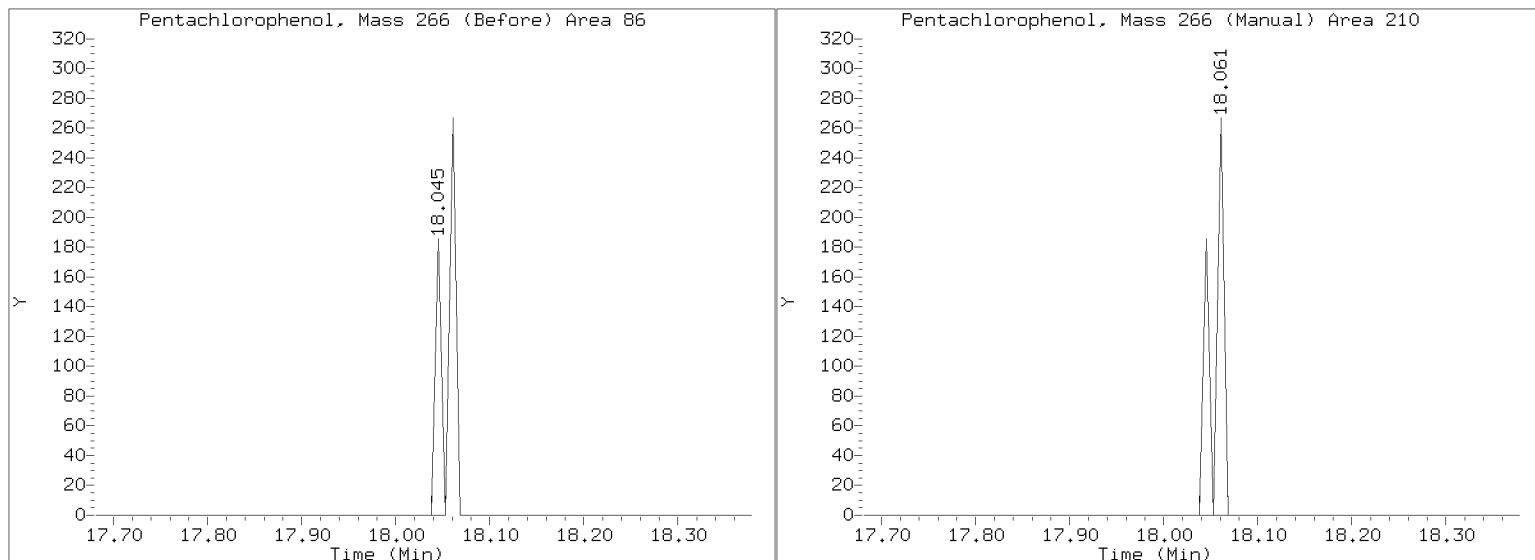
Quant Ion Manual Peak Adjustment Report

Datafile: //target/share/chem3/nt10.i/20220630.b/NT1022063004.D

Injection Date: 30-JUN-2022 15:27

Lab ID:SKG0010-LCV1 Client ID:

Report Date: 07/01/2022 17:13





ANALYSIS BATCH (SEQUENCE) SUMMARY

EPA 8270E

Laboratory: Analytical Resources, LLC

SDG: 22F0267

Client: GeoEngineers

Project: RG Haley Site-Bellingham

Sequence: SKE0212

Instrument: NT6

Calibration: FE00035

Sample Name	Lab Sample ID	Lab File ID	Matrix	Analysis Date/Time
MS Tune	SKE0212-TUN1	NT622051601A.D	NA	05/16/22 17:11
8270 ICal	SKE0212-CAL4	NT622051601.D	NA	05/16/22 17:11
Initial Cal Blank	SKE0212-ICB1	NT622051602.D	NA	05/16/22 17:45
8270 ICal	SKE0212-CAL1	NT622051603.D	NA	05/16/22 18:19
8270 ICal	SKE0212-CAL2	NT622051604.D	NA	05/16/22 18:52
8270 ICal	SKE0212-CAL3	NT622051605.D	NA	05/16/22 19:25
8270 ICal	SKE0212-CAL5	NT622051606.D	NA	05/16/22 19:59
8270 ICal	SKE0212-CAL6	NT622051607.D	NA	05/16/22 20:33
8270 ICal	SKE0212-CAL7	NT622051608.D	NA	05/16/22 21:06
Secondary Cal Check	SKE0212-SCV1	NT622051702.D	NA	05/17/22 12:39



ANALYSIS SEQUENCE

SKE0212

Instrument: NT6 Element Column ID: K001588
Calibration ID: FE00035 Tune File: 220209.U
EM Voltage: 1635

Lab Number	Sample Name	Analysis	Container	Order	STD ID	ISTD ID	Comments
SKE0212-TUN1	MS Tune	QC		1	K004655		
SKE0212-ICB1	Initial Cal Blank	QC		2		J012358	
SKE0212-CAL1	8270 ICal	QC		3	K004652	J012358	
SKE0212-CAL2	8270 ICal	QC		4	K004653	J012358	
SKE0212-CAL3	8270 ICal	QC		5	K004654	J012358	
SKE0212-CAL4	8270 ICal	QC		6	K004655	J012358	
SKE0212-CAL5	8270 ICal	QC		7	K004656	J012358	
SKE0212-CAL6	8270 ICal	QC		8	K004657	J012358	
SKE0212-CAL7	8270 ICal	QC		9	K004658	J012358	
SKE0212-SCV1	Secondary Cal Check	QC		10	K004689	J012358	

INTERNAL STANDARD SUMMARY FOR DATABATCH - \\target\share\chem3\nt6.i\20220516.b

Time	Filename	LabID	ClientId	DF										
1	1711	NT622051601.D	SKE0212-CAL4		1	8.71	71723 10.75	255203 13.62	144799 16.02	257295 20.36	195882 21.43	272032 22.55	222542	
2	1711	NT622051601A.D	SKE0212-TUN1		1	NO ISTDs FOUND								
3	1745	NT622051602.D	SKE0212-ICB1		1	8.71	75058 10.75	256178 13.62	146782 16.02	256993 20.36	199514 21.43	262864 22.55	212958	
4	1819	NT622051603.D	SKE0212-CAL1		1	8.71	78626 10.75	270390 13.62	161550 16.02	279651 20.35	205373 21.43	268090 22.55	216707	
5	1852	NT622051604.D	SKE0212-CAL2		1	8.71	82013 10.75	289042 13.62	163263 16.02	285473 20.36	208902 21.43	281399 22.55	230563	
6	1925	NT622051605.D	SKE0212-CAL3		1	8.71	79426 10.75	268502 13.63	155071 16.02	272217 20.36	205628 21.43	282768 22.55	236979	
7	1959	NT622051606.D	SKE0212-CAL5		1	8.71	73865 10.76	259337 13.63	150319 16.02	270288 20.36	188950 21.43	264477 22.55	217916	
8	2033	NT622051607.D	SKE0212-CAL6		1	8.71	74390 10.76	256785 13.63	151055 16.02	269444 20.37	196077 21.43	278736 22.56	234465	
9	2106	NT622051608.D	SKE0212-CAL7		1	8.72	73198 10.76	251973 13.63	146292 16.02	264427 20.37	205536 21.44	296289 22.56	253056	
10	1239	NT622051702.D	SKE0212-SCV1		1	8.70	78743 10.75	265327 13.63	154616 16.02	277010 20.36	212766 21.43	294742 22.55	235601	

MANUAL INTEGRATION SUMMARY FOR DATABATCH - \\target\share\chem3\nt6.i\20220516.b

ARI Job No.: SKE0 Method: SW84620220516.m Instrument: nt6.i Date: 16-MAY-2022

Time	Filename	LabID	ClientId	DF	Manually Integrated Compounds
1711	NT622051601.D	SKE0212-CAL4		1	NO MANUAL INTEGRATION
1745	NT622051602.D	SKE0212-ICB1		1	NO MANUAL INTEGRATION
1819	NT622051603.D	SKE0212-CAL1		1	3-Nitroaniline, 4-Chlorophenyl-phenylether, 1,2-Dichlorobenzene-d4,
1852	NT622051604.D	SKE0212-CAL2		1	Total Benzofluoranthenes,
1925	NT622051605.D	SKE0212-CAL3		1	NO MANUAL INTEGRATION
1959	NT622051606.D	SKE0212-CAL5		1	NO MANUAL INTEGRATION
2033	NT622051607.D	SKE0212-CAL6		1	NO MANUAL INTEGRATION
2106	NT622051608.D	SKE0212-CAL7		1	NO MANUAL INTEGRATION
1239	NT622051702.D	SKE0212-SCV1		1	NO MANUAL INTEGRATION

Security Status Report

Date: 17-May-2022 14:05

NT622051601.D	Data Locked	jianqing, 17-May-2022 14:05
NT622051601A.D	Data Locked	jianqing, 17-May-2022 14:05
NT622051602.D	Data Locked	jianqing, 17-May-2022 14:05
NT622051603.D	Data Locked	jianqing, 17-May-2022 14:05
NT622051604.D	Data Locked	jianqing, 17-May-2022 14:05
NT622051605.D	Data Locked	jianqing, 17-May-2022 14:05
NT622051606.D	Data Locked	jianqing, 17-May-2022 14:05
NT622051607.D	Data Locked	jianqing, 17-May-2022 14:05
NT622051608.D	Data Locked	jianqing, 17-May-2022 14:05
NT622051702.D	Data Locked	jianqing, 17-May-2022 14:05



ANALYSIS BATCH (SEQUENCE) SUMMARY

EPA 8270E

Laboratory: Analytical Resources, LLC

SDG: 22F0267

Client: GeoEngineers

Project: RG Haley Site-Bellingham

Sequence: SKF0267

Instrument: NT6

Calibration: FE00035

Sample Name	Lab Sample ID	Lab File ID	Matrix	Analysis Date/Time
MS Tune	SKF0267-TUN1	NT622062201A.D	NA	06/22/22 10:58
Initial Cal Check	SKF0267-ICV1	NT622062201.D	NA	06/22/22 10:58
ZZZZZ	BKF0261-BLK1	NT622062202.D	Solid	06/22/22 11:42
ZZZZZ	22F0323-01	NT622062205.D	Water	06/22/22 13:23
ZZZZZ	22F0326-01	NT622062206.D	Water	06/22/22 13:57
ZZZZZ	BKF0261-BS1	NT622062207.D	Solid	06/22/22 14:30
ZZZZZ	22F0136-05	NT622062208.D	Solid	06/22/22 15:04
Blank	BKF0450-BLK1	NT622062209.D	Water	06/22/22 15:38
LCS	BKF0450-BS1	NT622062210.D	Water	06/22/22 16:12
LCS Dup	BKF0450-BSD1	NT622062211.D	Water	06/22/22 16:45
Z1A-3-PW	22F0267-09	NT622062212.D	Water	06/22/22 17:19
Z1A-6-PW	22F0267-10	NT622062213.D	Water	06/22/22 17:53
Z1A-9-PW	22F0267-11	NT622062214.D	Water	06/22/22 18:26
Z1A-12-PW	22F0267-12	NT622062215.D	Water	06/22/22 19:00
DUP-1-PW	22F0267-15	NT622062216.D	Water	06/22/22 19:33
Z1B-1-PW	22F0267-24	NT622062217.D	Water	06/22/22 20:07
Z1B-2-PW	22F0267-25	NT622062218.D	Water	06/22/22 20:40
Z1B-3-PW	22F0267-26	NT622062219.D	Water	06/22/22 21:14
Calibration Check	SKF0267-CCV1	NT622062222.D	NA	06/22/22 22:54



ANALYSIS SEQUENCE

SKF0267

Instrument: NT6 Element Column ID: K001588
 Calibration ID: FE00035 Tune File: 220209.U
 EM Voltage: 1565

Lab Number	Sample Name	Analysis	Container	Order	STD ID	ISTD ID	Comments
SKF0267-TUN1	MS Tune	QC		1	K004655		
SKF0267-ICV1	Initial Cal Check	QC		2	K004655	J012358	
SKF0267-LCV1	Low Cal Check	QC		3	K004652	J012358	
BKF0476-BLK1	Blank	QC		4		J012358	
BKF0476-BS1	LCS	QC		5		J012358	
22F0323-01	4-83 WWTP Batch 22-049-R, G	8270E SVOC (1-20ug/L SepF)	A 01	6		J012358	50 mL Prep for Phenol only
22F0326-01	4-83 WWTP Untreated Batch 22	8270E SVOC (1-20ug/L SepF)	B 01	7		J012358	50 mL Prep for Phenol only
BKF0261-BLK1	Blank	QC		8		J012358	
BKF0261-BS1	LCS	QC		9		J012358	
22F0136-05	220327-D	8270E SVOC (67ug/kg or 1ug/L LiqLiq)	C 02	10		J012358	PAH Version
BKF0450-BLK1	Blank	QC		11		J012358	
BKF0450-BS1	LCS	QC		12		J012358	
BKF0450-BSD1	LCS Dup	QC		13		J012358	
22F0267-09	Z1A-3-PW	8270E SVOC (67ug/kg or 1ug/L LiqLiq)	C 01	14		J012358	PAH Waters
22F0267-10	Z1A-6-PW	8270E SVOC (67ug/kg or 1ug/L LiqLiq)	C 01	15		J012358	PAH Waters
22F0267-11	Z1A-9-PW	8270E SVOC (67ug/kg or 1ug/L LiqLiq)	C 01	16		J012358	PAH Waters
22F0267-12	Z1A-12-PW	8270E SVOC (67ug/kg or 1ug/L LiqLiq)	C 01	17		J012358	PAH Waters
22F0267-15	DUP-1-PW	8270E SVOC (67ug/kg or 1ug/L LiqLiq)	C 01	18		J012358	PAH Waters
22F0267-24	Z1B-1-PW	8270E SVOC (67ug/kg or 1ug/L LiqLiq)	C 01	19		J012358	PAH Waters
22F0267-25	Z1B-2-PW	8270E SVOC (67ug/kg or 1ug/L LiqLiq)	C 01	20		J012358	PAH Waters
22F0267-26	Z1B-3-PW	8270E SVOC (67ug/kg or 1ug/L LiqLiq)	C 01	21		J012358	PAH Waters
SKF0267-CCV1	Calibration Check	QC		22	K004655	J012358	



ANALYSIS SEQUENCE

SKF0267

Instrument: NT6 Element Column ID: K001588
Calibration ID: FE00035 Tune File: 220209.U
EM Voltage: 1565

Lab Number	Sample Name	Analysis	Container	Order	STD ID	ISTD ID	Comments
------------	-------------	----------	-----------	-------	--------	---------	----------

INTERNAL STANDARD SUMMARY FOR DATABATCH - \\target\share\chem3\nt6.i\20220622.b

Time	Filename	LabID	ClientId	DF															
1	1058	NT622062201.D	SKF0267-ICV1		1	8.31	56102	10.35	190364	13.21	122124	15.58	231281	19.91	202750	21.02	284466	22.07	214859
2	1058	NT622062201A.D	SKF0267-TUN1		1	NO ISTDs FOUND													
3	1142	NT622062202.D	BKF0261-BLK1		1	8.31	78022	10.34	283448	13.21	173987	15.58	300424	19.90	257392	21.02	351847	22.07	278579
4	1216	NT622062203.D	BKF0476-BLK1		1	8.31	75934	10.35	263726	13.20	162363	15.58	279907	19.90	239808	21.01	319940	22.07	275323
5	1250	NT622062204.D	BKF0476-BS1		1	8.31	75301	10.35	256193	13.21	157649	15.58	289352	19.90	249659	21.02	351028	22.07	284244
6	1323	NT622062205.D	22F0323-01		1	8.34	67753	10.36	286940	13.22	160428	15.59	294971	19.90	257637	21.01	349687	22.07	290444
7	1357	NT622062206.D	22F0326-01		1	8.34	64380	10.36	272061	13.22	151740	15.59	284954	19.90	281035	21.02	374388	22.07	319257
8	1430	NT622062207.D	BKF0261-BS1		1	8.31	74542	10.35	257102	13.21	163883	15.59	307200	19.91	312115	21.02	405074	22.08	312068
9	1504	NT622062208.D	22F0136-05		1	8.32	68278	10.36	232801	13.24	162191	15.64	323042	19.91	295152	21.02	396556	22.07	327672
10	1538	NT622062209.D	BKF0450-BLK1		1	8.31	76170	10.35	262137	13.20	165366	15.58	290460	19.90	291959	21.01	369126	22.07	331722
11	1612	NT622062210.D	BKF0450-BS1		1	8.31	78481	10.35	265970	13.21	166849	15.59	308733	19.91	317827	21.02	407228	22.08	347106
12	1645	NT622062211.D	BKF0450-BSD1		1	8.32	76789	10.35	262224	13.21	162231	15.59	297228	19.91	304645	21.02	398798	22.08	332640
13	1719	NT622062212.D	22F0267-09		1	8.31	80838	10.35	284150	13.21	176889	15.58	318242	19.90	320545	21.02	415330	22.07	363035
14	1753	NT622062213.D	22F0267-10		1	8.31	78651	10.35	280385	13.21	171438	15.58	306007	19.90	312959	21.01	403535	22.07	344395
15	1826	NT622062214.D	22F0267-11		1	8.31	83940	10.34	291931	13.21	182806	15.58	324771	19.90	327736	21.02	419918	22.07	371340
16	1900	NT622062215.D	22F0267-12		1	8.31	86179	10.35	294376	13.21	173445	15.58	305533	19.90	332864	21.02	426607	22.07	378872
17	1933	NT622062216.D	22F0267-15		1	8.31	81921	10.34	291039	13.21	176617	15.58	315015	19.90	323395	21.02	416745	22.07	357845
18	2007	NT622062217.D	22F0267-24		1	8.31	88224	10.35	301892	13.20	190025	15.58	333227	19.90	333688	21.02	426742	22.07	378379
19	2040	NT622062218.D	22F0267-25		1	8.31	83630	10.34	287440	13.20	182291	15.58	325500	19.90	333947	21.01	428756	22.07	374205
20	2114	NT622062219.D	22F0267-26		1	8.31	86232	10.35	299747	13.20	184999	15.58	329901	19.90	339482	21.02	433132	22.07	383753

INTERNAL STANDARD SUMMARY FOR DATABATCH - \\target\share\chem3\nt6.i\20220622.b

Time	Filename	LabID	ClientId	DF										
21	2147	NT622062220.D	22F0267-27	IS out, NR	1		8.31	85997 10.34	294342 13.21	186116 15.58	322334 19.90	342929 21.01	430783 22.07	393338
22	2221	NT622062221.D	22F0267-15	OD,NR	3		8.31	84129 10.35	293231 13.21	183523 15.58	329732 19.90	331701 21.01	423764 22.07	364210
23	2254	NT622062222.D	SKF0267-CCV1		1		8.31	56474 10.35	192275 13.20	120865 15.58	227658 19.90	224903 21.02	301619 22.07	251105

JZ 06/27/22

MANUAL INTEGRATION SUMMARY FOR DATABATCH - \\target\share\chem3\nt6.i\20220622.b

ARI Job No.: SKF0 Method: SW84620220516.m Instrument: nt6.i Date: 22-JUN-2022

Time	Filename	LabID	ClientId	DF	Manually Integrated Compounds
1058	NT622062201.D	SKF0267-ICV1		1	NO MANUAL INTEGRATION
1142	NT622062202.D	BKF0261-BLK1		1	NO MANUAL INTEGRATION
1216	NT622062203.D	BKF0476-BLK1		1	NO MANUAL INTEGRATION
1250	NT622062204.D	BKF0476-BS1		1	NO MANUAL INTEGRATION
1323	NT622062205.D	22F0323-01		1	2-Fluorophenol, Phenol-d5, 2-Chlorophenol-d4,
1357	NT622062206.D	22F0326-01		1	Benzoic acid, 2-Fluorophenol, Phenol-d5, 2-Chlorophenol-d4,
1430	NT622062207.D	BKF0261-BS1		1	NO MANUAL INTEGRATION
1504	NT622062208.D	22F0136-05		1	Benzoic acid, Acenaphthene, Dibenzofuran, 4-Chlorophenyl-phenylether, Anthracene, Pyrene, Benzo(a)anthracene, bis(2-Ethylhexyl)phthalate, Phenanthrene-d10, Nitrobenzene-d5, 2-Fluorobiphenyl, 2,4,6-Tribromophenol,
1538	NT622062209.D	BKF0450-BLK1		1	NO MANUAL INTEGRATION
1612	NT622062210.D	BKF0450-BS1		1	NO MANUAL INTEGRATION
1645	NT622062211.D	BKF0450-BSD1		1	NO MANUAL INTEGRATION
1719	NT622062212.D	22F0267-09		1	NO MANUAL INTEGRATION
1753	NT622062213.D	22F0267-10		1	NO MANUAL INTEGRATION
1826	NT622062214.D	22F0267-11		1	NO MANUAL INTEGRATION
1900	NT622062215.D	22F0267-12		1	Total Benzofluoranthenes,
1933	NT622062216.D	22F0267-15		1	Total Benzofluoranthenes, Benzoic acid, Dibenzo(a,h)anthracene, Indeno(1,2,3-cd)pyrene, Benzo(k)fluoranthene, Phenanthrene,
2007	NT622062217.D	22F0267-24		1	NO MANUAL INTEGRATION

MANUAL INTEGRATION SUMMARY FOR DATABATCH - \\target\share\chem3\nt6.i\20220622.b

Time	Filename	LabID	ClientId	DF	Manually Integrated Compounds
2040	NT622062218.D	22F0267-25		1	NO MANUAL INTEGRATION
2114	NT622062219.D	22F0267-26		1	NO MANUAL INTEGRATION
2254	NT622062222.D	SKF0267-CCV1		1	NO MANUAL INTEGRATION

Security Status Report

Date: 27-Jun-2022 13:54

NT622062201.D	Data Locked	jianqing, 27-Jun-2022 13:54
NT622062201A.D	Data Locked	jianqing, 27-Jun-2022 13:54
NT622062202.D	Data Locked	jianqing, 27-Jun-2022 13:54
NT622062203.D	Data Locked	jianqing, 27-Jun-2022 13:54
NT622062204.D	Data Locked	jianqing, 27-Jun-2022 13:54
NT622062205.D	Data Locked	jianqing, 27-Jun-2022 13:54
NT622062206.D	Data Locked	jianqing, 27-Jun-2022 13:54
NT622062207.D	Data Locked	jianqing, 27-Jun-2022 13:54
NT622062208.D	Data Locked	jianqing, 27-Jun-2022 13:54
NT622062209.D	Data Locked	jianqing, 27-Jun-2022 13:54
NT622062210.D	Data Locked	jianqing, 27-Jun-2022 13:54
NT622062211.D	Data Locked	jianqing, 27-Jun-2022 13:54
NT622062212.D	Data Locked	jianqing, 27-Jun-2022 13:54
NT622062213.D	Data Locked	jianqing, 27-Jun-2022 13:54
NT622062214.D	Data Locked	jianqing, 27-Jun-2022 13:54
NT622062215.D	Data Locked	jianqing, 27-Jun-2022 13:54
NT622062216.D	Data Locked	jianqing, 27-Jun-2022 13:54
NT622062217.D	Data Locked	jianqing, 27-Jun-2022 13:54
NT622062218.D	Data Locked	jianqing, 27-Jun-2022 13:54
NT622062219.D	Data Locked	jianqing, 27-Jun-2022 13:54
NT622062222.D	Data Locked	jianqing, 27-Jun-2022 13:54



ANALYSIS BATCH (SEQUENCE) SUMMARY

EPA 8270E

Laboratory: Analytical Resources, LLC

SDG: 22F0267

Client: GeoEngineers

Project: RG Haley Site-Bellingham

Sequence: SKF0270

Instrument: NT10

Calibration: FF00062

Sample Name	Lab Sample ID	Lab File ID	Matrix	Analysis Date/Time
MS Tune	SKF0270-TUN1	NT1022062301.D	NA	06/23/22 09:00
CAL 5	SKF0270-CAL5	NT1022062302.D	NA	06/23/22 09:16
CAL 20	SKF0270-CAL7	NT1022062303.D	NA	06/23/22 09:54
CAL 0.2	SKF0270-CAL1	NT1022062304.D	NA	06/23/22 10:33
CAL 10	SKF0270-CAL6	NT1022062305.D	NA	06/23/22 11:11
CAL 0.5	SKF0270-CAL2	NT1022062306.D	NA	06/23/22 11:50
CAL 2.5	SKF0270-CAL4	NT1022062307.D	NA	06/23/22 12:29
CAL 1.0	SKF0270-CAL3	NT1022062308.D	NA	06/23/22 13:07
SCV 5.0	SKF0270-SCV1	NT1022062311.D	NA	06/23/22 15:20
Initial Cal Blank	SKF0270-ICB1	NT1022062312.D	NA	06/23/22 15:59
ABN 5	SKF0270-ICV1	NT1022062313.D	NA	06/23/22 16:38
ZZZZZ	BKF0257-BLK1	NT1022062315.D	Solid	06/23/22 17:55
ZZZZZ	BKF0257-BS1	NT1022062316.D	Solid	06/23/22 18:34
ZZZZZ	BKF0257-BSD1	NT1022062317.D	Solid	06/23/22 19:13
ZZZZZ	BKF0257-SRM1	NT1022062318.D	Solid	06/23/22 19:52
ZZZZZ	22F0092-15	NT1022062319.D	Solid	06/23/22 20:31
ZZZZZ	22F0092-16	NT1022062322.D	Solid	06/23/22 22:27
ZZZZZ	22F0092-18	NT1022062323.D	Solid	06/23/22 23:06
ZZZZZ	22F0092-24	NT1022062324.D	Solid	06/23/22 23:45
ZZZZZ	22F0092-25	NT1022062325.D	Solid	06/24/22 00:23
ZZZZZ	22F0151-01	NT1022062326.D	Solid	06/24/22 01:02
ZZZZZ	22F0151-02	NT1022062327.D	Solid	06/24/22 01:41
ZZZZZ	22D0147-02RE1	NT1022062328.D	Solid	06/24/22 02:19
ZZZZZ	22D0147-03RE1	NT1022062329.D	Solid	06/24/22 02:58
ZZZZZ	22D0147-04RE1	NT1022062330.D	Solid	06/24/22 03:36
ZZZZZ	22E0353-05RE1	NT1022062331.D	Solid	06/24/22 04:15
ABN 5	SKF0270-CCV1	NT1022062332.D	NA	06/24/22 04:54



ANALYSIS SEQUENCE

SKF0270

Instrument: NT10 Element Column ID: k000190
 Calibration ID: UNASSIGNED Tune File: 211222u
 EM Voltage: 1976

Lab Number	Sample Name	Analysis	Container	Order	STD ID	ISTD ID	Comments
SKF0270-TUN1	MS Tune	QC		1	K004775		
SKF0270-CAL5	CAL 5	QC		2	K005652	J012379	
SKF0270-CAL7	CAL 20	QC		3	K005654	J012379	
SKF0270-CAL1	CAL 0.2	QC		4	K005648	J012379	
SKF0270-CAL6	CAL 10	QC		5	K005653	J012379	
SKF0270-CAL2	CAL 0.5	QC		6	K005649	J012379	
SKF0270-CAL4	CAL 2.5	QC		7	K005651	J012379	
SKF0270-CAL3	CAL 1.0	QC		8	K005650	J012379	
SKF0270-SCV1	SCV 5.0	QC		9	J008837	J012379	
SKF0270-ICB1	Initial Cal Blank	QC		10	K005156	J012379	
SKF0270-ICV1	ABN 5	QC		11	K005652	J012379	
BKF0257-BLK1	Blank	QC		12		J012379	
BKF0257-BS1	LCS	QC		13		J012379	
BKF0257-BSD1	LCS Dup	QC		14		J012379	
BKF0257-SRM1	Reference	QC		15		J012379	
BKF0257-MS1	Matrix Spike	QC		16		J012379	
BKF0257-MSD1	Matrix Spike Dup	QC		17		J012379	
22F0092-15	T91-RI-SC27D	SVOC (20ug/kg solid or 0.2ug/L low H2C	B 04	18		J012379	
22F0092-16	T91-RI-SC05D	SVOC (20ug/kg solid or 0.2ug/L low H2C	B 03	19		J012379	
22F0092-18	T91-RI-SC24D	SVOC (20ug/kg solid or 0.2ug/L low H2C	B 03	20		J012379	
22F0092-24	T91-RI-SC05C	SVOC (20ug/kg solid or 0.2ug/L low H2C	B 03	21		J012379	
22F0092-25	T91-RI-SC05E	SVOC (20ug/kg solid or 0.2ug/L low H2C	B 03	22		J012379	



ANALYSIS SEQUENCE

SKF0270

Instrument: NT10 Element Column ID: k000190
Calibration ID: UNASSIGNED Tune File: 211222u
EM Voltage: 1976

Lab Number	Sample Name	Analysis	Container	Order	STD ID	ISTD ID	Comments
22F0151-01	CS-20220606	SVOC (20ug/kg solid or 0.2ug/L low H2C	B 03	23		J012379	
22F0151-02	HL-20220606	SVOC (20ug/kg solid or 0.2ug/L low H2C	B 03	24		J012379	
22D0147-02RE1	SK-SED-5	SVOC (20ug/kg solid or 0.2ug/L low H2C	A 01	25		J012379	Added 6/25/2022 by YZ
22D0147-03RE1	SK-SED-4	SVOC (20ug/kg solid or 0.2ug/L low H2C	A 01	26		J012379	Added 6/25/2022 by YZ
22D0147-04RE1	SK-SED-3	SVOC (20ug/kg solid or 0.2ug/L low H2C	A 01	27		J012379	Added 6/25/2022 by YZ
22E0353-05RE1	ST1-051922-G	SVOC (20ug/kg solid or 0.2ug/L low H2C	B 01	28		J012379	Added 6/25/2022 by YZ
SKF0270-CCV1	ABN 5	QC		29	K005652	J012379	

INTERNAL STANDARD SUMMARY FOR DATABATCH - \\target\share\chem3\nt10.i\20220623.b

Time	Filename	LabID	ClientId	DF																
1	0900	NT1022062301.D	SKF0270-TUN1		1		NO ISTDS FOUND													
2	0916	NT1022062302.D	SKF0270-CAL5		1		9.11	155417	11.60	491185	15.23	281977	18.29	498577	23.40	263544	26.13	174316	24.47	453170
3	0954	NT1022062303.D	SKF0270-CAL7		1		9.11	115640	11.60	370549	15.24	225060	18.30	399324	23.41	225089	26.13	176675	24.48	585877
4	1033	NT1022062304.D	SKF0270-CAL1		1		9.11	242464	11.60	742519	15.23	378079	18.29	658081	23.40	491829	26.13	321528	24.48	722685
5	1111	NT1022062305.D	SKF0270-CAL6		1		9.11	135958	11.60	444992	15.23	259574	18.30	461222	23.40	277750	26.13	210708	24.48	596169
6	1150	NT1022062306.D	SKF0270-CAL2		1		9.11	216832	11.60	685569	15.23	353855	18.29	636992	23.39	423840	26.12	261902	24.48	620564
7	1229	NT1022062307.D	SKF0270-CAL4		1		9.11	171593	11.60	555613	15.23	318777	18.29	567888	23.40	384194	26.13	266368	24.48	651920
8	1307	NT1022062308.D	SKF0270-CAL3		1		9.10	196951	11.60	634040	15.23	337503	18.29	590158	23.40	454991	26.12	330191	24.48	731655
9	1346	NT1022062309.D	SKF0270-SIM.1		1		9.10	260886	11.60	795459	15.23	379249	18.29	687004	23.39	531607	26.12	364790	24.47	784634
10	1425	NT1022062310.D	SKF0270-SIM.05		1		9.11	273741	11.60	816621	15.23	386654	18.29	696864	23.39	530944	26.10	370290	24.46	772393
11	1520	NT1022062311.D	SKF0270-SCV1		1		9.12	152987	11.60	505418	15.23	286969	18.30	505363	23.39	344386	26.10	267390	24.45	654412
12	1559	NT1022062312.D	SKF0270-ICB1		1		9.10	208909	11.59	724721	15.22	361524	18.28	629366	23.35	466619	26.06	359159	24.42	716301
13	1638	NT1022062313.D	SKF0270-ICV1		1		9.10	149714	11.59	491315	15.22	286589	18.28	498820	23.35	311295	26.05	218550	24.42	577982
14	1716	NT1022062314.D	SKF0270-ICV1		1		9.10	197282	11.59	632703	15.22	343508	18.27	603051	23.35	458481	26.05	345763	24.42	736521
15	1755	NT1022062315.D	BKF0257-BLK1		1		9.10	171377	11.59	645777	15.22	332295	18.27	581057	23.35	423773	26.03	320747	24.41	651021
16	1834	NT1022062316.D	BKF0257-BS1		1		9.11	160580	11.59	524700	15.22	301193	18.27	510631	23.35	373306	26.03	287554	24.41	686225
17	1913	NT1022062317.D	BKF0257-BSD1		1		9.10	160676	11.59	526572	15.22	305400	18.27	516627	23.35	371718	26.03	297341	24.41	719799
18	1952	NT1022062318.D	BKF0257-SRM1		1		9.10	175834	11.59	543898	15.21	307429	18.27	533941	23.35	314302	26.04	235256	24.41	600845
19	2031	NT1022062319.D	22F0092-15		1		9.10	195813	11.59	715701	15.22	365881	18.27	509527	23.34	196910	26.03	142314	24.40	369268
20	2110	NT1022062320.D	BKF0257-MS1		1		9.11	142012	11.60	485048	15.22	267717	18.27	392543	23.34	163817	26.01	123125	24.39	324331

INTERNAL STANDARD SUMMARY FOR DATABATCH - \\target\share\chem3\nt10.i\20220623.b

Time	Filename	LabID	ClientId	DF																						
21	2149	NT1022062321.D	BKF0257-MSD1		1		9.11	150620		11.60	517764		15.22	285331		18.26	414731		23.34	171619		26.01	128384		24.39	354549
22	2227	NT1022062322.D	22F0092-16		1		9.10	188600		11.59	696718		15.21	364161		18.26	611931		23.33	259697		26.00	180630		24.38	451821
23	2306	NT1022062323.D	22F0092-18		1		9.10	201611		11.59	717884		15.21	369417		18.26	560211		23.33	243638		26.00	175830		24.38	440824
24	2345	NT1022062324.D	22F0092-24		1		9.10	183708		11.59	668445		15.21	337793		18.26	557683		23.33	265551		26.00	182059		24.38	444230
25	0023	NT1022062325.D	22F0092-25		1		9.10	183832		11.59	673636		15.21	347823		18.26	604075		23.33	236591		26.01	166847		24.39	405392
26	0102	NT1022062326.D	22F0151-01		1		9.11	166495		11.59	563771		15.22	283051		18.27	374783		23.36	113331		26.08	86025		24.43	254002
27	0141	NT1022062327.D	22F0151-02		1		9.11	155171		11.60	553946		15.22	259937		18.27	313734		23.36	116839		26.08	90523		24.42	279387
28	0219	NT1022062328.D	22D0147-02RE1		20		9.11	222365		11.59	738312		15.22	338581		18.27	397586		23.35	104482		26.03	89165		24.40	220748
29	0258	NT1022062329.D	22D0147-03RE1		20		9.11	218725		11.60	751983		15.22	364895		18.27	572439		23.35	130577		26.03	104497		24.40	254037
30	0336	NT1022062330.D	22D0147-04RE1		50		9.11	245326		11.60	768066		15.22	380993		18.27	643011		23.35	176808		26.03	126138		24.39	316575
31	0415	NT1022062331.D	22E0353-05RE1		1		9.11	196616		11.59	711993		15.21	331088		18.27	518987		23.35	122962		26.05	91219		24.41	254233
32	0454	NT1022062332.D	SKF0270-CCV1		1		9.11	155063		11.60	504423		15.22	286127		18.27	410398		23.34	115467		26.03	88962		24.40	249026

MANUAL INTEGRATION SUMMARY FOR DATABATCH - \\target\share\chem3\nt10.i\20220623.b

ARI Job No.: SKF0 Method: DFTPP8270E.m Instrument: nt10.i Date: 23-JUN-2022

Time	Filename	LabID	ClientId	DF	Manually Integrated Compounds
0900	NT1022062301.D	SKF0270-TUN1		1	NO MANUAL INTEGRATION
0916	NT1022062302.D	SKF0270-CAL5		1	2,4-Dinitrophenol,
0954	NT1022062303.D	SKF0270-CAL7		1	Benzoic acid, 2,4-Dinitrophenol,
1033	NT1022062304.D	SKF0270-CAL1		1	Benzoic acid,
1111	NT1022062305.D	SKF0270-CAL6		1	2,4-Dinitrophenol,
1150	NT1022062306.D	SKF0270-CAL2		1	Benzoic acid,
1229	NT1022062307.D	SKF0270-CAL4		1	2,4-Dinitrophenol,
1307	NT1022062308.D	SKF0270-CAL3		1	2,4-Dinitrophenol,
1346	NT1022062309.D	SKF0270-SIM.1		1	NO MANUAL INTEGRATION
1425	NT1022062310.D	SKF0270-SIM.05		1	NO MANUAL INTEGRATION
1520	NT1022062311.D	SKF0270-SCV1		1	NO MANUAL INTEGRATION
1559	NT1022062312.D	SKF0270-ICB1		1	NO MANUAL INTEGRATION
1638	NT1022062313.D	SKF0270-ICV1		1	Pentachlorophenol,
1716	NT1022062314.D	SKF0270-ICV1		1	NO MANUAL INTEGRATION
1755	NT1022062315.D	BKF0257-BLK1		1	NO MANUAL INTEGRATION
1834	NT1022062316.D	BKF0257-BS1		1	NO MANUAL INTEGRATION
1913	NT1022062317.D	BKF0257-BSD1		1	NO MANUAL INTEGRATION

MANUAL INTEGRATION SUMMARY FOR DATABATCH - \\target\share\chem3\nt10.i\20220623.b

Time	Filename	LabID	ClientId	DF	Manually Integrated Compounds
1952	NT1022062318.D	BKF0257-SRM1		1	NO MANUAL INTEGRATION
2031	NT1022062319.D	22F0092-15		1	NO MANUAL INTEGRATION
2110	NT1022062320.D	BKF0257-MS1		1	NO MANUAL INTEGRATION
2149	NT1022062321.D	BKF0257-MSD1		1	NO MANUAL INTEGRATION
2227	NT1022062322.D	22F0092-16		1	NO MANUAL INTEGRATION
2306	NT1022062323.D	22F0092-18		1	Benzo(k)fluoranthene,
2345	NT1022062324.D	22F0092-24		1	Dibenzo(a,h)anthracene,
0023	NT1022062325.D	22F0092-25		1	NO MANUAL INTEGRATION
0102	NT1022062326.D	22F0151-01		1	Benzo(b)fluoranthene, Benzo(k)fluoranthene, Indeno(1,2,3-cd)pyrene,
0141	NT1022062327.D	22F0151-02		1	Dibenzo(a,h)anthracene,
0219	NT1022062328.D	22D0147-02RE1		20	Benzo(k)fluoranthene,
0258	NT1022062329.D	22D0147-03RE1		20	NO MANUAL INTEGRATION
0336	NT1022062330.D	22D0147-04RE1		50	Anthracene, Diberzo(a,h)anthracene, Benzo(g,h,i)perylene,
0415	NT1022062331.D	22E0353-05RE1		1	Benzo(a)anthracene, Benzo(k)fluoranthene,
0454	NT1022062332.D	SKF0270-CCV1		1	NO MANUAL INTEGRATION

Security Status Report

Date: 25-Jun-2022 13:55

NT1022062301.D	Data Locked	yev, 25-
NT1022062302.D	Data Locked	yev, 25-
NT1022062303.D	Data Locked	yev, 25-
NT1022062304.D	Data Locked	yev, 25-
NT1022062305.D	Data Locked	yev, 25-
NT1022062306.D	Data Locked	yev, 25-
NT1022062307.D	Data Locked	yev, 25-
NT1022062308.D	Data Locked	yev, 25-
NT1022062309.D	Data Locked	yev, 25-
NT1022062310.D	Data Locked	yev, 25-
NT1022062311.D	Data Locked	yev, 25-
NT1022062312.D	Data Locked	yev, 25-
NT1022062313.D	Data Locked	yev, 25-
NT1022062314.D	Data Locked	yev, 25-
NT1022062315.D	Data Locked	yev, 25-
NT1022062316.D	Data Locked	yev, 25-
NT1022062317.D	Data Locked	yev, 25-
NT1022062318.D	Data Locked	yev, 25-
NT1022062319.D	Data Locked	yev, 25-
NT1022062320.D	Data Locked	yev, 25-
NT1022062321.D	Data Locked	yev, 25-
NT1022062322.D	Data Locked	yev, 25-
NT1022062323.D	Data Locked	yev, 25-
NT1022062324.D	Data Locked	yev, 25-
NT1022062325.D	Data Locked	yev, 25-
NT1022062326.D	Data Locked	yev, 25-
NT1022062327.D	Data Locked	yev, 25-
NT1022062328.D	Data Locked	yev, 25-
NT1022062329.D	Data Locked	yev, 25-
NT1022062330.D	Data Locked	yev, 25-
NT1022062331.D	Data Locked	yev, 25-
NT1022062332.D	Data Locked	yev, 25-
NT1022062333.D	Data Locked	yev, 25-



ANALYSIS BATCH (SEQUENCE) SUMMARY

EPA 8270E

Laboratory: Analytical Resources, LLC

SDG: 22F0267

Client: GeoEngineers

Project: RG Haley Site-Bellingham

Sequence: SKF0291

Instrument: NT6

Calibration: FE00035

Sample Name	Lab Sample ID	Lab File ID	Matrix	Analysis Date/Time
MS Tune	SKF0291-TUN1	NT622062401A.D	NA	06/24/22 10:22
Initial Cal Check	SKF0291-ICV1	NT622062401.D	NA	06/24/22 10:22
Low Cal Check	SKF0291-LCV1	NT622062402.D	NA	06/24/22 10:59
ZZZZZ	22F0355-01	NT622062406.D	Water	06/24/22 13:14
ZZZZZ	22F0349-01	NT622062407.D	Water	06/24/22 13:48
ZZZZZ	22F0363-01	NT622062408.D	Water	06/24/22 14:22
ZZZZZ	22F0366-01	NT622062409.D	Water	06/24/22 14:55
Z1B-4-PW	22F0267-27	NT622062410.D	Water	06/24/22 15:29
ZZZZZ	22F0382-01	NT622062416.D	Water	06/24/22 18:53
Calibration Check	SKF0291-CCV1	NT622062417.D	NA	06/24/22 19:27



ANALYSIS SEQUENCE

SKF0291

Instrument: NT6 Element Column ID: K001588
Calibration ID: FE00035 Tune File: 220209.U
EM Voltage: 1565

Lab Number	Sample Name	Analysis	Container	Order	STD ID	ISTD ID	Comments
SKF0291-TUN1	MS Tune	QC		1	K004655		
SKF0291-ICV1	Initial Cal Check	QC		2	K004655	J012358	
SKF0291-LCV1	Low Cal Check	QC		3	K004653	J012358	
BKF0532-BLK1	Blank	QC		4		J012358	
BKF0532-BS1	LCS	QC		5		J012358	
BKF0532-BSD1	LCS Dup	QC		6		J012358	
22F0355-01	4-83 WWTP Batch 22-050-R, G	8270E SVOC (1-20ug/L SepF)	A 01	7		J012358	50 mL Prep for Phenol only
22F0349-01	Dis 3-333 Retention Tank	8270E SVOC (1-20ug/L SepF)	A 01	8		J012358	
22F0363-01	Dis 3-333 Retention Tank	8270E SVOC (1-20ug/L SepF)	B 01	9		J012358	
22F0366-01	22-12U	8270E SVOC (1-20ug/L SepF)	C 01	10		J012358	
22F0267-27	Z1B-4-PW	8270E SVOC (67ug/kg or 1ug/L LiqLiq)	C 01	11		J012358	PAH Waters
BKF0561-BLK1	Blank	QC		12		J012358	
BKF0561-BS1	LCS	QC		13		J012358	
22F0382-01	Dis 3-333 Retention Tank	8270E SVOC (1-20ug/L SepF)	B 01	14		J012358	
SKF0291-CCV1	Calibration Check	QC		15	K004655	J012358	

INTERNAL STANDARD SUMMARY FOR DATABATCH - \\target\share\chem3\nt6.i\20220624.b

Time	Filename	LabID	ClientId	DF										
1	1022	NT622062401.D	SKF0291-ICV1		1	8.30	61282 10.34	213957 13.19	139427 15.57	268928 19.89	229100 21.01	325717 22.05	228006	
2	1022	NT622062401A.D	SKF0291-TUN1		1	NO ISTDS FOUND								
3	1059	NT622062402.D	SKF0291-ICV1		1	8.29	67195 10.33	232411 13.19	143203 15.57	266179 19.88	223436 21.00	318664 22.05	230513	
4	1132	NT622062403.D	BKF0532-BLK1		1	8.30	83044 10.33	299830 13.19	190635 15.57	341492 19.88	284926 21.00	405101 22.05	297311	
5	1206	NT622062404.D	BKF0532-BS1		1	8.30	84108 10.34	293757 13.20	186218 15.57	350806 19.89	301854 21.01	433733 22.06	317603	
6	1240	NT622062405.D	BKF0532-BSD1		1	8.30	91940 10.34	321914 13.19	200925 15.57	373584 19.89	310176 21.01	450687 22.06	335968	
7	1314	NT622062406.D	22F0355-01		1	8.30	89740 10.33	319727 13.19	198576 15.57	359709 19.89	299681 21.00	428340 22.05	312114	
8	1348	NT622062407.D	22F0349-01		1	13.21	178048 15.57	334008 19.88	296896					
9	1422	NT622062408.D	22F0363-01		1	13.19	191680 15.57	339950 19.89	291222					
10	1455	NT622062409.D	22F0366-01		3	13.19	197870 15.57	367682 19.89	332269					
11	1529	NT622062410.D	22F0267-27		1	8.30	78197 10.33	275763 13.19	173510 15.56	314128 19.89	276174 21.00	371541 22.05	308259	
12	1603	NT622062411.D	BKF0533-BLK1		1	NO ISTDS FOUND							No IS added in,NR	
13	1637	NT622062412.D	BKF0533-BS1		1	NO ISTDS FOUND							No IS added in,NR	
14	1711	NT622062413.D	22F0345-01	OD,NR	10	8.30	88144 10.33	316799 13.19	202294 15.57	373547 19.89	314424 21.00	440384 22.06	354922	
15	1745	NT622062414.D	BKF0561-BLK1		1	13.19	190333 15.57	347503 19.89	313611					
16	1819	NT622062415.D	BKF0561-BS1		1	13.19	192239 15.57	348456 19.89	311947					
17	1853	NT622062416.D	22F0382-01		1	13.19	193274 15.57	348370 19.89	306613					
18	1927	NT622062417.D	SKF0291-CCV1		1	8.30	58693 10.34	206109 13.19	130260 15.57	247673 19.89	222409 21.00	309175 22.05	239346	

JZ 6/27/22

MANUAL INTEGRATION SUMMARY FOR DATABATCH - \\target\share\chem3\nt6.i\20220624.b

ARI Job No.: SKF0 Method: SW84620220516.m Instrument: nt6.i Date: 24-JUN-2022

Time	Filename	LabID	ClientId	DF	Manually Integrated Compounds
1022	NT622062401.D	SKF0291-ICV1		1	NO MANUAL INTEGRATION
1059	NT622062402.D	SKF0291-LCV1		1	Total Benzofluoranthenes,
1132	NT622062403.D	BKF0532-BLK1		1	NO MANUAL INTEGRATION
1206	NT622062404.D	BKF0532-BS1		1	Benzoic acid,
1240	NT622062405.D	BKF0532-BSD1		1	Benzoic acid,
1314	NT622062406.D	22F0355-01		1	NO MANUAL INTEGRATION
1348	NT622062407.D	22F0349-01		1	NO MANUAL INTEGRATION
1422	NT622062408.D	22F0363-01		1	NO MANUAL INTEGRATION
1455	NT622062409.D	22F0366-01		3	NO MANUAL INTEGRATION
1529	NT622062410.D	22F0267-27		1	NO MANUAL INTEGRATION
1745	NT622062414.D	BKF0561-BLK1		1	NO MANUAL INTEGRATION
1819	NT622062415.D	BKF0561-BS1		1	NO MANUAL INTEGRATION
1853	NT622062416.D	22F0382-01		1	NO MANUAL INTEGRATION
1927	NT622062417.D	SKF0291-CCV1		1	NO MANUAL INTEGRATION

Security Status Report

Date: 27-Jun-2022 13:49

NT622062401.D	Data Locked	jianqing, 27-Jun-2022 13:49
NT622062401A.D	Data Locked	jianqing, 27-Jun-2022 13:49
NT622062402.D	Data Locked	jianqing, 27-Jun-2022 13:49
NT622062403.D	Data Locked	jianqing, 27-Jun-2022 13:49
NT622062404.D	Data Locked	jianqing, 27-Jun-2022 13:49
NT622062405.D	Data Locked	jianqing, 27-Jun-2022 13:49
NT622062406.D	Data Locked	jianqing, 27-Jun-2022 13:49
NT622062407.D	Data Locked	jianqing, 27-Jun-2022 13:49
NT622062408.D	Data Locked	jianqing, 27-Jun-2022 13:49
NT622062409.D	Data Locked	jianqing, 27-Jun-2022 13:49
NT622062410.D	Data Locked	jianqing, 27-Jun-2022 13:49
NT622062414.D	Data Locked	jianqing, 27-Jun-2022 13:49
NT622062415.D	Data Locked	jianqing, 27-Jun-2022 13:49
NT622062416.D	Data Locked	jianqing, 27-Jun-2022 13:49
NT622062417.D	Data Locked	jianqing, 27-Jun-2022 13:49



Extract Dilution Bench Sheet

Sequence: SKF0291

Analyst: JZ Date: 6/24/22

Sample ID	Primary Dilution				Secondary Dilution			
	Extract Volume (uL)	Diluent ID	Diluent Volume (uL)	Dilution Factor	Extract Volume (uL)	Diluent ID	Diluent Volume (uL)	Dilution Factor
22F0366-01	100	K005051	200	3				



ANALYSIS BATCH (SEQUENCE) SUMMARY

EPA 8270E

Laboratory: Analytical Resources, LLC

SDG: 22F0267

Client: GeoEngineers

Project: RG Haley Site-Bellingham

Sequence: SKG0010

Instrument: NT10

Calibration: FF00062

Sample Name	Lab Sample ID	Lab File ID	Matrix	Analysis Date/Time
MS Tune	SKG0010-TUN1	NT1022063001.D	NA	06/30/22 13:53
ABN 5	SKG0010-ICV1	NT1022063002.D	NA	06/30/22 14:09
ABN 0.5	SKG0010-LCV1	NT1022063004.D	NA	06/30/22 15:27
Blank	BKF0469-BLK1	NT1022063005.D	Solid	06/30/22 16:07
LCS	BKF0469-BS1	NT1022063006.D	Solid	06/30/22 16:46
LCS Dup	BKF0469-BSD1	NT1022063007.D	Solid	06/30/22 17:25
Z1A-3-MS	22F0267-01	NT1022063008.D	Solid	06/30/22 18:05
Z1A-3-MS	BKF0469-MS1	NT1022063009.D	Solid	06/30/22 18:44
Z1A-3-MS	BKF0469-MSD1	NT1022063010.D	Solid	06/30/22 19:23
Z1A-6-MS	22F0267-03	NT1022063011.D	Solid	06/30/22 20:02
Z1A-9-MS	22F0267-05	NT1022063012.D	Solid	06/30/22 20:41
Z1A-12-MS	22F0267-07	NT1022063013.D	Solid	06/30/22 21:20
DUP-1-MS	22F0267-13	NT1022063014.D	Solid	06/30/22 21:59
Z1B-1-MS	22F0267-16	NT1022063015.D	Solid	06/30/22 22:38
Z1B-2-MS	22F0267-18	NT1022063016.D	Solid	06/30/22 23:17
Z1B-3-MS	22F0267-20	NT1022063017.D	Solid	06/30/22 23:56
Z1B-4-MS	22F0267-22	NT1022063018.D	Solid	07/01/22 00:35
ABN 5	SKG0010-CCV1	NT1022063019.D	NA	07/01/22 01:13



ANALYSIS SEQUENCE

SKG0010

Instrument: NT10 Element Column ID: k000190
 Calibration ID: FF00062 Tune File: 211222u
 EM Voltage: 2076

Lab Number	Sample Name	Analysis	Container	Order	STD ID	ISTD ID	Comments
SKG0010-TUN1	MS Tune	QC		1	K004775		
SKG0010-ICV1	ABN 5	QC		2	K005652	J012379	
SKG0010-LCV1	ABN 0.5	QC		3	K005649	J012379	
BKF0469-BLK1	Blank	QC		4		J012379	
BKF0469-BS1	LCS	QC		5		J012379	
BKF0469-BSD1	LCS Dup	QC		6		J012379	
BKF0469-MS1	Matrix Spike	QC		7		J012379	
BKF0469-MSD1	Matrix Spike Dup	QC		8		J012379	
22F0267-01	Z1A-3-MS	SVOC (20ug/kg solid or 0.2ug/L low H2C	A 02	9		J012379	PAH PCP solids
22F0267-03	Z1A-6-MS	SVOC (20ug/kg solid or 0.2ug/L low H2C	A 02	10		J012379	PAH PCP solids
22F0267-05	Z1A-9-MS	SVOC (20ug/kg solid or 0.2ug/L low H2C	A 02	11		J012379	PAH PCP solids
22F0267-07	Z1A-12-MS	SVOC (20ug/kg solid or 0.2ug/L low H2C	A 02	12		J012379	PAH PCP solids
22F0267-13	DUP-1-MS	SVOC (20ug/kg solid or 0.2ug/L low H2C	A 02	13		J012379	PAH PCP solids
22F0267-16	Z1B-1-MS	SVOC (20ug/kg solid or 0.2ug/L low H2C	A 02	14		J012379	PAH PCP solids
22F0267-18	Z1B-2-MS	SVOC (20ug/kg solid or 0.2ug/L low H2C	A 02	15		J012379	PAH PCP solids
22F0267-20	Z1B-3-MS	SVOC (20ug/kg solid or 0.2ug/L low H2C	A 02	16		J012379	PAH PCP solids
22F0267-22	Z1B-4-MS	SVOC (20ug/kg solid or 0.2ug/L low H2C	A 02	17		J012379	PAH PCP solids
SKG0010-CCV1	ABN 5	QC		18	K005652	J012379	

INTERNAL STANDARD SUMMARY FOR DATABATCH - \\target\share\chem3\nt10.i\20220630.b

Time	Filename	LabID	ClientId	DF															
1	1353	NT1022063001.D	SKG0010-TUN1	1		NO ISTDS FOUND													
2	1409	NT1022063002.D	SKG0010-ICV1	1		9.12	207392	11.60	696938	15.23	395441	18.28	603067	23.35	148146	26.04	115550	24.41	308009
3	1448	NT1022063003.D	SKG0000-LCV1	1		9.12	333625	11.60	1011818	15.23	527361	18.28	913709	23.35	226115	26.04	162235	24.40	418747
4	1527	NT1022063004.D	SKG0010-LCV1	1		9.11	332704	11.60	1062043	15.22	556429	18.27	1013804	23.35	327341	26.03	202190	24.40	558419
5	1607	NT1022063005.D	BKF0469-BLK1	1		9.11	308573	11.60	1090835	15.22	561409	18.27	896231	23.35	353451	26.03	208303	24.40	584548
6	1646	NT1022063006.D	BKF0469-BS1	1		9.11	238954	11.60	798255	15.22	454678	18.27	759715	23.35	328861	26.03	201067	24.40	607131
7	1725	NT1022063007.D	BKF0469-BSD1	1		9.11	236402	11.60	782997	15.22	451584	18.27	770780	23.35	357819	26.03	212609	24.40	644418
8	1805	NT1022063008.D	22F0267-01	1		9.11	282294	11.59	968530	15.22	502808	18.28	787981	23.35	168174	26.06	125982	24.41	328842
9	1844	NT1022063009.D	BKF0469-MS1	1		9.12	218902	11.60	751375	15.22	404830	18.28	588206	23.36	131239	26.08	111102	24.41	307596
10	1923	NT1022063010.D	BKF0469-MSD1	1		9.12	218048	11.60	747226	15.23	406866	18.28	557128	23.36	125327	26.08	110207	24.42	307486
11	2002	NT1022063011.D	22F0267-03	1		9.12	270475	11.60	984681	15.22	421244	18.29	446180	23.39	221135	26.13	151665	24.44	444927
12	2041	NT1022063012.D	22F0267-05	1		9.11	271709	11.60	955920	15.23	467208	18.28	629459	23.35	121023	26.05	98600	24.40	259503
13	2120	NT1022063013.D	22F0267-07	1		9.12	263868	11.60	868724	15.23	233749	18.29	406139	23.35	119262	26.06	98514	24.41	257479
14	2159	NT1022063014.D	22F0267-13	1		9.11	261361	11.60	927069	15.22	483550	18.27	754417	23.35	133090	26.05	95183	24.40	271376
15	2238	NT1022063015.D	22F0267-16	1		9.11	278209	11.60	955423	15.22	487857	18.27	771125	23.35	134253	26.06	92039	24.41	274371
16	2317	NT1022063016.D	22F0267-18	1		9.11	271574	11.60	951230	15.22	496227	18.27	809754	23.35	149213	26.05	102997	24.40	303832
17	2356	NT1022063017.D	22F0267-20	1		9.11	281189	11.60	970710	15.22	495459	18.27	761824	23.35	176367	26.04	121347	24.40	345810
18	0035	NT1022063018.D	22F0267-22	1		9.11	285328	11.60	975244	15.22	480190	18.27	796265	23.35	197374	26.05	124230	24.40	371489
19	0113	NT1022063019.D	SKG0010-CCV1	1		9.12	188811	11.60	611973	15.22	357247	18.28	630045	23.35	154154	26.04	108547	24.40	339183

MANUAL INTEGRATION SUMMARY FOR DATABATCH - \\target\share\chem3\nt10.i\20220630.b

ARI Job No.: SKG0 Method: DFTPP8270E.m Instrument: nt10.i Date: 30-JUN-2022

Time	Filename	LabID	ClientId	DF	Manually Integrated Compounds
1353	NT1022063001.D	SKG0010-TUN1		1	NO MANUAL INTEGRATION
1409	NT1022063002.D	SKG0010-ICV1		1	NO MANUAL INTEGRATION
1448	NT1022063003.D	SKG0000-LCV1		1	NO MANUAL INTEGRATION
1527	NT1022063004.D	SKG0010-LCV1		1	Pentachlorophenol,
1607	NT1022063005.D	BKF0469-BLK1		1	NO MANUAL INTEGRATION
1646	NT1022063006.D	BKF0469-BS1		1	NO MANUAL INTEGRATION
1725	NT1022063007.D	BKF0469-BSD1		1	NO MANUAL INTEGRATION
1805	NT1022063008.D	22F0267-01		1	Benzo(k)fluoranthene, Dibenzo(a,h)anthracene,
1844	NT1022063009.D	BKF0469-MS1		1	NO MANUAL INTEGRATION
1923	NT1022063010.D	BKF0469-MSD1		1	NO MANUAL INTEGRATION
2002	NT1022063011.D	22F0267-03		1	Benzo(k)fluoranthene,
2041	NT1022063012.D	22F0267-05		1	Benzo(k)fluoranthene,
2120	NT1022063013.D	22F0267-07		1	Dibenzo(a,h)anthracene,
2159	NT1022063014.D	22F0267-13		1	Benzo(k)fluoranthene,
2238	NT1022063015.D	22F0267-16		1	Benzo(k)fluoranthene,
2317	NT1022063016.D	22F0267-18		1	Benzo(k)fluoranthene,
2356	NT1022063017.D	22F0267-20		1	Benzo(k)fluoranthene,

MANUAL INTEGRATION SUMMARY FOR DATABATCH - \\target\share\chem3\nt10.i\20220630.b

Time	Filename	LabID	ClientId	DF	Manually Integrated Compounds
0035	NT1022063018.D	22F0267-22		1	Benzo(k)fluoranthene, Total Benzofluoranthenes,
0113	NT1022063019.D	SKG0010-CCV1		1	NO MANUAL INTEGRATION

Security Status Report

Date: 01-Jul-2022 17:31

NT1022063001.D	Data Locked	yev, 01-
NT1022063002.D	Data Locked	yev, 01-
NT1022063003.D	Data Locked	yev, 01-
NT1022063004.D	Data Locked	yev, 01-
NT1022063005.D	Data Locked	yev, 01-
NT1022063006.D	Data Locked	yev, 01-
NT1022063007.D	Data Locked	yev, 01-
NT1022063008.D	Data Locked	yev, 01-
NT1022063009.D	Data Locked	yev, 01-
NT1022063010.D	Data Locked	yev, 01-
NT1022063011.D	Data Locked	yev, 01-
NT1022063012.D	Data Locked	yev, 01-
NT1022063013.D	Data Locked	yev, 01-
NT1022063014.D	Data Locked	yev, 01-
NT1022063015.D	Data Locked	yev, 01-
NT1022063016.D	Data Locked	yev, 01-
NT1022063017.D	Data Locked	yev, 01-
NT1022063018.D	Data Locked	yev, 01-
NT1022063019.D	Data Locked	yev, 01-



SURROGATE RECOVERY AND RT SUMMARY
EPA 8270E

Laboratory: Analytical Resources, LLC
 Client: GeoEngineers
 Sequence: SKE0212
 Calibration: FE00035

SDG/WO: 22F0267
 Project: RG Haley Site-Bellingham
 Instrument: NT6
 Calibration Date: 05/16/2022

Surrogate Compound	Spike Level ug/mL	% Recovery	Recovery Limits	RT	Calibration Mean RT	RT Diff	RT Diff Limit	Q
SKE0212-ICB1 (Water)			Lab File ID: NT622051602.D			Analyzed: 05/16/22 17:45		
2-Fluorophenol			33 - 120		6.753429	-6.7534	N/A	
Phenol-d5			38 - 120		8.232143	-8.2321	N/A	
2-Chlorophenol-d4			41 - 120		8.406143	-8.4061	N/A	
1,2-Dichlorobenzene-d4			20 - 120		9.008714	-9.0087	N/A	
Nitrobenzene-d5			27 - 120		9.635143	-9.6351	N/A	
2-Fluorobiphenyl			33 - 120		12.53571	-12.5357	N/A	
2,4,6-Tribromophenol			52 - 120		14.924	-14.9240	N/A	
p-Terphenyl-d14			28 - 120		18.65383	-18.6538	N/A	



SURROGATE RECOVERY AND RT SUMMARY
EPA 8270E

Laboratory: Analytical Resources, LLC
Client: GeoEngineers
Sequence: SKF0267
Calibration: FE00035

SDG/WO: 22F0267
Project: RG Haley Site-Bellingham
Instrument: NT6
Calibration Date: 05/16/2022

Surrogate Compound	Spike Level ug/mL	% Recovery	Recovery Limits	RT	Calibration Mean RT	RT Diff	RT Diff Limit	Q
SKF0267-ICV1 (Water) Lab File ID: NT622062201.D Analyzed: 06/22/22 10:58								
2-Fluorophenol	37.500	113	80 - 120	6.37	6.753429	-0.3834	N/A	
Phenol-d5	37.500	112	80 - 120	7.877	8.232143	-0.3551	N/A	
2-Chlorophenol-d4	37.500	113	80 - 120	8.016	8.406143	-0.3901	N/A	
1,2-Dichlorobenzene-d4	25.000	108	80 - 120	8.608	9.008714	-0.4007	N/A	
Nitrobenzene-d5	25.000	113	80 - 120	9.239	9.635143	-0.3961	N/A	
2-Fluorobiphenyl	25.000	108	80 - 120	12.133	12.53571	-0.4027	N/A	
2,4,6-Tribromophenol	37.500	118	80 - 120	14.5	14.924	-0.4240	N/A	
p-Terphenyl-d14	25.000	100	80 - 120	18.222	18.65383	-0.4318	N/A	
BKF0450-BLK1 (Water) Lab File ID: NT622062209.D Analyzed: 06/22/22 15:38								
2-Fluorophenol	37.500	81.6	33 - 120	6.373	6.753429	-0.3804	N/A	
Phenol-d5	37.500	81.3	38 - 120	7.874	8.232143	-0.3581	N/A	
2-Chlorophenol-d4	37.500	84.7	41 - 120	8.012	8.406143	-0.3941	N/A	
1,2-Dichlorobenzene-d4	25.000	78.6	20 - 120	8.611	9.008714	-0.3977	N/A	
Nitrobenzene-d5	25.000	90.0	27 - 120	9.236	9.635143	-0.3991	N/A	
2-Fluorobiphenyl	25.000	82.6	33 - 120	12.136	12.53571	-0.3997	N/A	
2,4,6-Tribromophenol	37.500	89.1	52 - 120	14.497	14.924	-0.4270	N/A	
p-Terphenyl-d14	25.000	85.6	28 - 120	18.219	18.65383	-0.4348	N/A	
BKF0450-BS1 (Water) Lab File ID: NT622062210.D Analyzed: 06/22/22 16:12								
2-Fluorophenol	37.500	79.6	33 - 120	6.371	6.753429	-0.3824	N/A	
Phenol-d5	37.500	83.3	38 - 120	7.877	8.232143	-0.3551	N/A	
2-Chlorophenol-d4	37.500	82.3	41 - 120	8.016	8.406143	-0.3901	N/A	
1,2-Dichlorobenzene-d4	25.000	74.6	20 - 120	8.608	9.008714	-0.4007	N/A	
Nitrobenzene-d5	25.000	89.6	27 - 120	9.239	9.635143	-0.3961	N/A	
2-Fluorobiphenyl	25.000	81.0	33 - 120	12.134	12.53571	-0.4017	N/A	
2,4,6-Tribromophenol	37.500	97.7	52 - 120	14.5	14.924	-0.4240	N/A	
p-Terphenyl-d14	25.000	80.8	28 - 120	18.222	18.65383	-0.4318	N/A	



SURROGATE RECOVERY AND RT SUMMARY
EPA 8270E

Laboratory: Analytical Resources, LLC
Client: GeoEngineers
Sequence: SKF0267
Calibration: FE00035

SDG/WO: 22F0267
Project: RG Haley Site-Bellingham
Instrument: NT6
Calibration Date: 05/16/2022

Surrogate Compound	Spike Level ug/L	% Recovery	Recovery Limits	RT	Calibration Mean RT	RT Diff	RT Diff Limit	Q
BKF0450-BSD1 (Water)		Lab File ID: NT622062211.D			Analyzed: 06/22/22 16:45			
2-Fluorophenol	37.500	84.9	33 - 120	6.371	6.753429	-0.3824	N/A	
Phenol-d5	37.500	89.0	38 - 120	7.877	8.232143	-0.3551	N/A	
2-Chlorophenol-d4	37.500	88.7	41 - 120	8.016	8.406143	-0.3901	N/A	
1,2-Dichlorobenzene-d4	25.000	78.1	20 - 120	8.609	9.008714	-0.3997	N/A	
Nitrobenzene-d5	25.000	93.8	27 - 120	9.239	9.635143	-0.3961	N/A	
2-Fluorobiphenyl	25.000	86.4	33 - 120	12.134	12.53571	-0.4017	N/A	
2,4,6-Tribromophenol	37.500	100	52 - 120	14.505	14.924	-0.4190	N/A	
p-Terphenyl-d14	25.000	85.8	28 - 120	18.222	18.65383	-0.4318	N/A	
22F0267-09 (Water)		Lab File ID: NT622062212.D			Analyzed: 06/22/22 17:19			
2-Fluorophenol	37.500	80.9	33 - 120	6.371	6.753429	-0.3824	N/A	
Phenol-d5	37.500	79.6	38 - 120	7.877	8.232143	-0.3551	N/A	
2-Chlorophenol-d4	37.500	81.8	41 - 120	8.016	8.406143	-0.3901	N/A	
1,2-Dichlorobenzene-d4	25.000	78.0	20 - 120	8.609	9.008714	-0.3997	N/A	
Nitrobenzene-d5	25.000	83.3	27 - 120	9.234	9.635143	-0.4011	N/A	
2-Fluorobiphenyl	25.000	82.1	33 - 120	12.134	12.53571	-0.4017	N/A	
2,4,6-Tribromophenol	37.500	93.7	52 - 120	14.5	14.924	-0.4240	N/A	
p-Terphenyl-d14	25.000	81.3	28 - 120	18.223	18.65383	-0.4308	N/A	
22F0267-10 (Water)		Lab File ID: NT622062213.D			Analyzed: 06/22/22 17:53			
2-Fluorophenol	37.500	78.8	33 - 120	6.368	6.753429	-0.3854	N/A	
Phenol-d5	37.500	77.5	38 - 120	7.875	8.232143	-0.3571	N/A	
2-Chlorophenol-d4	37.500	79.9	41 - 120	8.013	8.406143	-0.3931	N/A	
1,2-Dichlorobenzene-d4	25.000	77.8	20 - 120	8.606	9.008714	-0.4027	N/A	
Nitrobenzene-d5	25.000	83.3	27 - 120	9.236	9.635143	-0.3991	N/A	
2-Fluorobiphenyl	25.000	82.1	33 - 120	12.131	12.53571	-0.4047	N/A	
2,4,6-Tribromophenol	37.500	95.0	52 - 120	14.497	14.924	-0.4270	N/A	
p-Terphenyl-d14	25.000	75.3	28 - 120	18.225	18.65383	-0.4288	N/A	



SURROGATE RECOVERY AND RT SUMMARY
EPA 8270E

Laboratory: Analytical Resources, LLC
Client: GeoEngineers
Sequence: SKF0267
Calibration: FE00035

SDG/WO: 22F0267
Project: RG Haley Site-Bellingham
Instrument: NT6
Calibration Date: 05/16/2022

Surrogate Compound	Spike Level ug/L	% Recovery	Recovery Limits	RT	Calibration Mean RT	RT Diff	RT Diff Limit	Q
22F0267-11 (Water) Lab File ID: NT622062214.D Analyzed: 06/22/22 18:26								
2-Fluorophenol	37.500	73.8	33 - 120	6.37	6.753429	-0.3834	N/A	
Phenol-d5	37.500	71.5	38 - 120	7.871	8.232143	-0.3611	N/A	
2-Chlorophenol-d4	37.500	75.7	41 - 120	8.015	8.406143	-0.3911	N/A	
1,2-Dichlorobenzene-d4	25.000	68.7	20 - 120	8.608	9.008714	-0.4007	N/A	
Nitrobenzene-d5	25.000	78.1	27 - 120	9.233	9.635143	-0.4021	N/A	
2-Fluorobiphenyl	25.000	74.0	33 - 120	12.133	12.53571	-0.4027	N/A	
2,4,6-Tribromophenol	37.500	85.0	52 - 120	14.494	14.924	-0.4300	N/A	
p-Terphenyl-d14	25.000	69.1	28 - 120	18.222	18.65383	-0.4318	N/A	
22F0267-12 (Water) Lab File ID: NT622062215.D Analyzed: 06/22/22 19:00								
2-Fluorophenol	37.500	71.3	33 - 120	6.371	6.753429	-0.3824	N/A	
Phenol-d5	37.500	70.4	38 - 120	7.872	8.232143	-0.3601	N/A	
2-Chlorophenol-d4	37.500	72.6	41 - 120	8.016	8.406143	-0.3901	N/A	
1,2-Dichlorobenzene-d4	25.000	69.8	20 - 120	8.609	9.008714	-0.3997	N/A	
Nitrobenzene-d5	25.000	79.6	27 - 120	9.234	9.635143	-0.4011	N/A	
2-Fluorobiphenyl	25.000	77.3	33 - 120	12.134	12.53571	-0.4017	N/A	
2,4,6-Tribromophenol	37.500	84.4	52 - 120	14.495	14.924	-0.4290	N/A	
p-Terphenyl-d14	25.000	71.2	28 - 120	18.223	18.65383	-0.4308	N/A	
22F0267-15 (Water) Lab File ID: NT622062216.D Analyzed: 06/22/22 19:33								
2-Fluorophenol	37.500	74.0	33 - 120	6.37	6.753429	-0.3834	N/A	
Phenol-d5	37.500	76.1	38 - 120	7.876	8.232143	-0.3561	N/A	
2-Chlorophenol-d4	37.500	78.5	41 - 120	8.015	8.406143	-0.3911	N/A	
1,2-Dichlorobenzene-d4	25.000	71.4	20 - 120	8.608	9.008714	-0.4007	N/A	
Nitrobenzene-d5	25.000	78.4	27 - 120	9.233	9.635143	-0.4021	N/A	
2-Fluorobiphenyl	25.000	70.2	33 - 120	12.133	12.53571	-0.4027	N/A	
2,4,6-Tribromophenol	37.500	85.5	52 - 120	14.494	14.924	-0.4300	N/A	
p-Terphenyl-d14	25.000	39.8	28 - 120	18.222	18.65383	-0.4318	N/A	



SURROGATE RECOVERY AND RT SUMMARY
EPA 8270E

Laboratory: Analytical Resources, LLC
Client: GeoEngineers
Sequence: SKF0267
Calibration: FE00035

SDG/WO: 22F0267
Project: RG Haley Site-Bellingham
Instrument: NT6
Calibration Date: 05/16/2022

Surrogate Compound	Spike Level ug/L	% Recovery	Recovery Limits	RT	Calibration Mean RT	RT Diff	RT Diff Limit	Q
22F0267-24 (Water) Lab File ID: NT622062217.D Analyzed: 06/22/22 20:07								
2-Fluorophenol	37.500	65.6	33 - 120	6.367	6.753429	-0.3864	N/A	
Phenol-d5	37.500	66.0	38 - 120	7.873	8.232143	-0.3591	N/A	
2-Chlorophenol-d4	37.500	68.0	41 - 120	8.017	8.406143	-0.3891	N/A	
1,2-Dichlorobenzene-d4	25.000	64.7	20 - 120	8.61	9.008714	-0.3987	N/A	
Nitrobenzene-d5	25.000	73.0	27 - 120	9.235	9.635143	-0.4001	N/A	
2-Fluorobiphenyl	25.000	70.8	33 - 120	12.13	12.53571	-0.4057	N/A	
2,4,6-Tribromophenol	37.500	82.1	52 - 120	14.496	14.924	-0.4280	N/A	
p-Terphenyl-d14	25.000	72.3	28 - 120	18.218	18.65383	-0.4358	N/A	
22F0267-25 (Water) Lab File ID: NT622062218.D Analyzed: 06/22/22 20:40								
2-Fluorophenol	37.500	70.9	33 - 120	6.371	6.753429	-0.3824	N/A	
Phenol-d5	37.500	70.6	38 - 120	7.872	8.232143	-0.3601	N/A	
2-Chlorophenol-d4	37.500	75.2	41 - 120	8.016	8.406143	-0.3901	N/A	
1,2-Dichlorobenzene-d4	25.000	70.4	20 - 120	8.609	9.008714	-0.3997	N/A	
Nitrobenzene-d5	25.000	79.8	27 - 120	9.234	9.635143	-0.4011	N/A	
2-Fluorobiphenyl	25.000	74.3	33 - 120	12.134	12.53571	-0.4017	N/A	
2,4,6-Tribromophenol	37.500	84.4	52 - 120	14.495	14.924	-0.4290	N/A	
p-Terphenyl-d14	25.000	56.9	28 - 120	18.223	18.65383	-0.4308	N/A	
22F0267-26 (Water) Lab File ID: NT622062219.D Analyzed: 06/22/22 21:14								
2-Fluorophenol	37.500	72.9	33 - 120	6.372	6.753429	-0.3814	N/A	
Phenol-d5	37.500	72.7	38 - 120	7.873	8.232143	-0.3591	N/A	
2-Chlorophenol-d4	37.500	75.2	41 - 120	8.012	8.406143	-0.3941	N/A	
1,2-Dichlorobenzene-d4	25.000	67.4	20 - 120	8.61	9.008714	-0.3987	N/A	
Nitrobenzene-d5	25.000	77.9	27 - 120	9.235	9.635143	-0.4001	N/A	
2-Fluorobiphenyl	25.000	72.4	33 - 120	12.13	12.53571	-0.4057	N/A	
2,4,6-Tribromophenol	37.500	83.1	52 - 120	14.496	14.924	-0.4280	N/A	
p-Terphenyl-d14	25.000	68.6	28 - 120	18.219	18.65383	-0.4348	N/A	



SURROGATE RECOVERY AND RT SUMMARY
EPA 8270E

Laboratory: Analytical Resources, LLC
 Client: GeoEngineers
 Sequence: SKF0267
 Calibration: FE00035

SDG/WO: 22F0267
 Project: RG Haley Site-Bellingham
 Instrument: NT6
 Calibration Date: 05/16/2022

Surrogate Compound	Spike Level ug/mL	% Recovery	Recovery Limits	RT	Calibration Mean RT	RT Diff	RT Diff Limit	Q
SKF0267-CCV1 (Water)		Lab File ID: NT622062222.D			Analyzed: 06/22/22 22:54			
2-Fluorophenol	37.500	115	50 - 150	6.373	6.753429	-0.3804	N/A	
Phenol-d5	37.500	110	50 - 150	7.879	8.232143	-0.3531	N/A	
2-Chlorophenol-d4	37.500	114	50 - 150	8.018	8.406143	-0.3881	N/A	
1,2-Dichlorobenzene-d4	25.000	111	50 - 150	8.61	9.008714	-0.3987	N/A	
Nitrobenzene-d5	25.000	117	50 - 150	9.235	9.635143	-0.4001	N/A	
2-Fluorobiphenyl	25.000	109	50 - 150	12.136	12.53571	-0.3997	N/A	
2,4,6-Tribromophenol	37.500	117	50 - 150	14.502	14.924	-0.4220	N/A	
p-Terphenyl-d14	25.000	91.2	50 - 150	18.219	18.65383	-0.4348	N/A	



SURROGATE RECOVERY AND RT SUMMARY
EPA 8270E

Laboratory: Analytical Resources, LLC
Client: GeoEngineers
Sequence: SKF0270
Calibration: FF00062

SDG/WO: 22F0267
Project: RG Haley Site-Bellingham
Instrument: NT10
Calibration Date: 06/23/2022

Surrogate Compound	Spike Level ug/mL	% Recovery	Recovery Limits	RT	Calibration Mean RT	RT Diff	RT Diff Limit	Q
SKF0270-ICB1 (Water) Lab File ID: NT1022062312.D Analyzed: 06/23/22 15:59								
2-Fluorophenol	7.5000	82.1	27 - 120	6.89	6.888428	0.0016	N/A	
Phenol-d5	7.5000	78.1	29 - 120	8.474	8.479	-0.0050	N/A	
2-Chlorophenol-d4	7.5000	97.2	31 - 120	8.745	8.748286	-0.0033	N/A	
1,2-Dichlorobenzene-d4	5.0000	96.7	32 - 120	9.465	9.467	-0.0020	N/A	
Nitrobenzene-d5	5.0000	92.5	30 - 120	10.187	10.20071	-0.0137	N/A	
2-Fluorobiphenyl	5.0000	93.3	35 - 120	13.816	13.82743	-0.0114	N/A	
2,4,6-Tribromophenol	7.5000	90.6	24 - 134	16.87	16.88814	-0.0181	N/A	
p-Terphenyl-d14	5.0000	80.1	37 - 120	21.441	21.472	-0.0310	N/A	
SKF0270-ICV1 (Water) Lab File ID: NT1022062313.D Analyzed: 06/23/22 16:38								
2-Fluorophenol	7.5000	103	80 - 120	6.891	6.888428	0.0026	N/A	
Phenol-d5	7.5000	107	80 - 120	8.475	8.479	-0.0040	N/A	
2-Chlorophenol-d4	7.5000	99.4	80 - 120	8.745	8.748286	-0.0033	N/A	
1,2-Dichlorobenzene-d4	5.0000	103	80 - 120	9.466	9.467	-0.0010	N/A	
Nitrobenzene-d5	5.0000	103	80 - 120	10.196	10.20071	-0.0047	N/A	
2-Fluorobiphenyl	5.0000	102	80 - 120	13.817	13.82743	-0.0104	N/A	
2,4,6-Tribromophenol	7.5000	95.2	80 - 120	16.87	16.88814	-0.0181	N/A	
p-Terphenyl-d14	5.0000	98.8	80 - 120	21.441	21.472	-0.0310	N/A	
SKF0270-CCV1 (Water) Lab File ID: NT1022062332.D Analyzed: 06/24/22 04:54								
2-Fluorophenol	7.5000	101	50 - 150	6.906	6.888428	0.0176	N/A	
Phenol-d5	7.5000	107	50 - 150	8.49	8.479	0.0110	N/A	
2-Chlorophenol-d4	7.5000	100	50 - 150	8.752	8.748286	0.0037	N/A	
1,2-Dichlorobenzene-d4	5.0000	101	50 - 150	9.465	9.467	-0.0020	N/A	
Nitrobenzene-d5	5.0000	103	50 - 150	10.195	10.20071	-0.0057	N/A	
2-Fluorobiphenyl	5.0000	103	50 - 150	13.816	13.82743	-0.0114	N/A	
2,4,6-Tribromophenol	7.5000	94.6	50 - 150	16.862	16.88814	-0.0261	N/A	
p-Terphenyl-d14	5.0000	96.8	50 - 150	21.426	21.472	-0.0460	N/A	



SURROGATE RECOVERY AND RT SUMMARY
EPA 8270E

Laboratory: Analytical Resources, LLC
Client: GeoEngineers
Sequence: SKF0291
Calibration: FE00035

SDG/WO: 22F0267
Project: RG Haley Site-Bellingham
Instrument: NT6
Calibration Date: 05/16/2022

Surrogate Compound	Spike Level ug/mL	% Recovery	Recovery Limits	RT	Calibration Mean RT	RT Diff	RT Diff Limit	Q
SKF0291-ICV1 (Water) Lab File ID: NT622062401.D Analyzed: 06/24/22 10:22								
2-Fluorophenol	37.500	114	80 - 120	6.356	6.753429	-0.3974	N/A	
Phenol-d5	37.500	114	80 - 120	7.862	8.232143	-0.3701	N/A	
2-Chlorophenol-d4	37.500	116	80 - 120	8.001	8.406143	-0.4051	N/A	
1,2-Dichlorobenzene-d4	25.000	109	80 - 120	8.594	9.008714	-0.4147	N/A	
Nitrobenzene-d5	25.000	117	80 - 120	9.224	9.635143	-0.4111	N/A	
2-Fluorobiphenyl	25.000	107	80 - 120	12.119	12.53571	-0.4167	N/A	
2,4,6-Tribromophenol	37.500	120	80 - 120	14.485	14.924	-0.4390	N/A	
p-Terphenyl-d14	25.000	102	80 - 120	18.208	18.65383	-0.4458	N/A	
SKF0291-LCV1 (Water) Lab File ID: NT622062402.D Analyzed: 06/24/22 10:59								
2-Fluorophenol	7.5000	91.0	0 - 200	6.355	6.753429	-0.3984	N/A	
Phenol-d5	7.5000	89.9	0 - 200	7.856	8.232143	-0.3761	N/A	
2-Chlorophenol-d4	7.5000	90.1	0 - 200	7.995	8.406143	-0.4111	N/A	
1,2-Dichlorobenzene-d4	5.0000	93.3	0 - 200	8.593	9.008714	-0.4157	N/A	
Nitrobenzene-d5	5.0000	94.7	0 - 200	9.218	9.635143	-0.4171	N/A	
2-Fluorobiphenyl	5.0000	94.2	0 - 200	12.118	12.53571	-0.4177	N/A	
2,4,6-Tribromophenol	7.5000	94.0	0 - 200	14.479	14.924	-0.4450	N/A	
p-Terphenyl-d14	5.0000	90.1	0 - 200	18.202	18.65383	-0.4518	N/A	
22F0267-27 (Water) Lab File ID: NT622062410.D Analyzed: 06/24/22 15:29								
2-Fluorophenol	37.500	49.7	33 - 120	6.356	6.753429	-0.3974	N/A	
Phenol-d5	37.500	23.4	38 - 120	7.857	8.232143	-0.3751	N/A	*
2-Chlorophenol-d4	37.500	60.5	41 - 120	8.001	8.406143	-0.4051	N/A	
1,2-Dichlorobenzene-d4	25.000	60.1	20 - 120	8.594	9.008714	-0.4147	N/A	
Nitrobenzene-d5	25.000	69.0	27 - 120	9.219	9.635143	-0.4161	N/A	
2-Fluorobiphenyl	25.000	67.2	33 - 120	12.119	12.53571	-0.4167	N/A	
2,4,6-Tribromophenol	37.500	64.6	52 - 120	14.485	14.924	-0.4390	N/A	
p-Terphenyl-d14	25.000	71.3	28 - 120	18.208	18.65383	-0.4458	N/A	



SURROGATE RECOVERY AND RT SUMMARY
EPA 8270E

Laboratory: Analytical Resources, LLC
 Client: GeoEngineers
 Sequence: SKF0291
 Calibration: FE00035

SDG/WO: 22F0267
 Project: RG Haley Site-Bellingham
 Instrument: NT6
 Calibration Date: 05/16/2022

Surrogate Compound	Spike Level ug/mL	% Recovery	Recovery Limits	RT	Calibration Mean RT	RT Diff	RT Diff Limit	Q
SKF0291-CCV1 (Water)		Lab File ID: NT622062417.D			Analyzed: 06/24/22 19:27			
2-Fluorophenol	37.500	113	50 - 150	6.357	6.753429	-0.3964	N/A	
Phenol-d5	37.500	114	50 - 150	7.863	8.232143	-0.3691	N/A	
2-Chlorophenol-d4	37.500	116	50 - 150	8.002	8.406143	-0.4041	N/A	
1,2-Dichlorobenzene-d4	25.000	109	50 - 150	8.595	9.008714	-0.4137	N/A	
Nitrobenzene-d5	25.000	117	50 - 150	9.225	9.635143	-0.4101	N/A	
2-Fluorobiphenyl	25.000	108	50 - 150	12.12	12.53571	-0.4157	N/A	
2,4,6-Tribromophenol	37.500	121	50 - 150	14.486	14.924	-0.4380	N/A	
p-Terphenyl-d14	25.000	96.2	50 - 150	18.204	18.65383	-0.4498	N/A	



SURROGATE RECOVERY AND RT SUMMARY
EPA 8270E

Laboratory: Analytical Resources, LLC
Client: GeoEngineers
Sequence: SKG0010
Calibration: FF00062

SDG/WO: 22F0267
Project: RG Haley Site-Bellingham
Instrument: NT10
Calibration Date: 06/23/2022

Surrogate Compound	Spike Level ug/mL	% Recovery	Recovery Limits	RT	Calibration Mean RT	RT Diff	RT Diff Limit	Q
SKG0010-ICV1 (Solid) Lab File ID: NT1022063002.D Analyzed: 06/30/22 14:09								
2-Fluorophenol	7.5000	95.9	80 - 120	6.922	6.888428	0.0336	N/A	
Phenol-d5	7.5000	103	80 - 120	8.513	8.479	0.0340	N/A	
2-Chlorophenol-d4	7.5000	100	80 - 120	8.768	8.748286	0.0197	N/A	
1,2-Dichlorobenzene-d4	5.0000	103	80 - 120	9.474	9.467	0.0070	N/A	
Nitrobenzene-d5	5.0000	99.0	80 - 120	10.211	10.20071	0.0103	N/A	
2-Fluorobiphenyl	5.0000	104	80 - 120	13.824	13.82743	-0.0034	N/A	
2,4,6-Tribromophenol	7.5000	106	80 - 120	16.878	16.88814	-0.0101	N/A	
p-Terphenyl-d14	5.0000	113	80 - 120	21.434	21.472	-0.0380	N/A	
SKG0010-LCV1 (Solid) Lab File ID: NT1022063004.D Analyzed: 06/30/22 15:27								
2-Fluorophenol	0.75000	94.4	50 - 150	6.922	6.888428	0.0336	N/A	
Phenol-d5	0.75000	77.6	50 - 150	8.506	8.479	0.0270	N/A	
2-Chlorophenol-d4	0.75000	88.9	50 - 150	8.76	8.748286	0.0117	N/A	
1,2-Dichlorobenzene-d4	0.50000	89.5	50 - 150	9.474	9.467	0.0070	N/A	
Nitrobenzene-d5	0.50000	84.8	50 - 150	10.203	10.20071	0.0023	N/A	
2-Fluorobiphenyl	0.50000	91.4	50 - 150	13.817	13.82743	-0.0104	N/A	
2,4,6-Tribromophenol	0.75000	57.3	50 - 150	16.886	16.88814	-0.0021	N/A	
p-Terphenyl-d14	0.50000	151	50 - 150	21.426	21.472	-0.0460	N/A	*
BKF0469-BLK1 (Solid) Lab File ID: NT1022063005.D Analyzed: 06/30/22 16:07								
2-Fluorophenol	750.00	66.5	27 - 120	6.922	6.888428	0.0336	N/A	
Phenol-d5	750.00	64.9	29 - 120	8.506	8.479	0.0270	N/A	
2-Chlorophenol-d4	750.00	86.0	31 - 120	8.761	8.748286	0.0127	N/A	
1,2-Dichlorobenzene-d4	500.00	88.6	32 - 120	9.474	9.467	0.0070	N/A	
Nitrobenzene-d5	500.00	84.8	30 - 120	10.203	10.20071	0.0023	N/A	
2-Fluorobiphenyl	500.00	93.7	35 - 120	13.817	13.82743	-0.0104	N/A	
2,4,6-Tribromophenol	750.00	100	24 - 134	16.878	16.88814	-0.0101	N/A	
p-Terphenyl-d14	500.00	130	37 - 120	21.426	21.472	-0.0460	N/A	*



SURROGATE RECOVERY AND RT SUMMARY
EPA 8270E

Laboratory: Analytical Resources, LLC
Client: GeoEngineers
Sequence: SKG0010
Calibration: FF00062

SDG/WO: 22F0267
Project: RG Haley Site-Bellingham
Instrument: NT10
Calibration Date: 06/23/2022

Surrogate Compound	Spike Level ug/kg wet	% Recovery	Recovery Limits	RT	Calibration Mean RT	RT Diff	RT Diff Limit	Q
BKF0469-BS1 (Solid)		Lab File ID: NT1022063006.D			Analyzed: 06/30/22 16:46			
2-Fluorophenol	750.00	85.1	27 - 120	6.921	6.888428	0.0326	N/A	
Phenol-d5	750.00	86.3	29 - 120	8.505	8.479	0.0260	N/A	
2-Chlorophenol-d4	750.00	101	31 - 120	8.76	8.748286	0.0117	N/A	
1,2-Dichlorobenzene-d4	500.00	93.3	32 - 120	9.473	9.467	0.0060	N/A	
Nitrobenzene-d5	500.00	96.2	30 - 120	10.203	10.20071	0.0023	N/A	
2-Fluorobiphenyl	500.00	98.0	35 - 120	13.816	13.82743	-0.0114	N/A	
2,4,6-Tribromophenol	750.00	106	24 - 134	16.878	16.88814	-0.0101	N/A	
p-Terphenyl-d14	500.00	127	37 - 120	21.426	21.472	-0.0460	N/A	*
BKF0469-BSD1 (Solid)		Lab File ID: NT1022063007.D			Analyzed: 06/30/22 17:25			
2-Fluorophenol	750.00	78.6	27 - 120	6.921	6.888428	0.0326	N/A	
Phenol-d5	750.00	80.9	29 - 120	8.505	8.479	0.0260	N/A	
2-Chlorophenol-d4	750.00	85.3	31 - 120	8.76	8.748286	0.0117	N/A	
1,2-Dichlorobenzene-d4	500.00	84.3	32 - 120	9.473	9.467	0.0060	N/A	
Nitrobenzene-d5	500.00	89.0	30 - 120	10.203	10.20071	0.0023	N/A	
2-Fluorobiphenyl	500.00	89.9	35 - 120	13.817	13.82743	-0.0104	N/A	
2,4,6-Tribromophenol	750.00	99.7	24 - 134	16.87	16.88814	-0.0181	N/A	
p-Terphenyl-d14	500.00	111	37 - 120	21.426	21.472	-0.0460	N/A	
22F0267-01 (Solid)		Lab File ID: NT1022063008.D			Analyzed: 06/30/22 18:05			
2-Fluorophenol	749.01	59.8	27 - 120	6.929	6.888428	0.0406	N/A	
Phenol-d5	749.01	61.7	29 - 120	8.506	8.479	0.0270	N/A	
2-Chlorophenol-d4	749.01	88.5	31 - 120	8.761	8.748286	0.0127	N/A	
1,2-Dichlorobenzene-d4	499.34	93.4	32 - 120	9.474	9.467	0.0070	N/A	
Nitrobenzene-d5	499.34	92.8	30 - 120	10.203	10.20071	0.0023	N/A	
2-Fluorobiphenyl	499.34	101	35 - 120	13.817	13.82743	-0.0104	N/A	
2,4,6-Tribromophenol	749.01	103	24 - 134	16.87	16.88814	-0.0181	N/A	
p-Terphenyl-d14	499.34	116	37 - 120	21.434	21.472	-0.0380	N/A	



SURROGATE RECOVERY AND RT SUMMARY
EPA 8270E

Laboratory: Analytical Resources, LLC
Client: GeoEngineers
Sequence: SKG0010
Calibration: FF00062

SDG/WO: 22F0267
Project: RG Haley Site-Bellingham
Instrument: NT10
Calibration Date: 06/23/2022

Surrogate Compound	Spike Level ug/kg dry	% Recovery	Recovery Limits	RT	Calibration Mean RT	RT Diff	RT Diff Limit	Q
BKF0469-MS1 (Solid) Lab File ID: NT1022063009.D Analyzed: 06/30/22 18:44								
2-Fluorophenol	750.16	66.8	27 - 120	6.929	6.888428	0.0406	N/A	
Phenol-d5	750.16	71.4	29 - 120	8.513	8.479	0.0340	N/A	
2-Chlorophenol-d4	750.16	84.6	31 - 120	8.768	8.748286	0.0197	N/A	
1,2-Dichlorobenzene-d4	500.11	82.6	32 - 120	9.473	9.467	0.0060	N/A	
Nitrobenzene-d5	500.11	87.3	30 - 120	10.203	10.20071	0.0023	N/A	
2-Fluorobiphenyl	500.11	91.3	35 - 120	13.816	13.82743	-0.0114	N/A	
2,4,6-Tribromophenol	750.16	86.5	24 - 134	16.878	16.88814	-0.0101	N/A	
p-Terphenyl-d14	500.11	79.8	37 - 120	21.434	21.472	-0.0380	N/A	
BKF0469-MSD1 (Solid) Lab File ID: NT1022063010.D Analyzed: 06/30/22 19:23								
2-Fluorophenol	750.16	73.5	27 - 120	6.929	6.888428	0.0406	N/A	
Phenol-d5	750.16	76.6	29 - 120	8.513	8.479	0.0340	N/A	
2-Chlorophenol-d4	750.16	92.2	31 - 120	8.768	8.748286	0.0197	N/A	
1,2-Dichlorobenzene-d4	500.11	90.2	32 - 120	9.474	9.467	0.0070	N/A	
Nitrobenzene-d5	500.11	94.2	30 - 120	10.203	10.20071	0.0023	N/A	
2-Fluorobiphenyl	500.11	99.2	35 - 120	13.817	13.82743	-0.0104	N/A	
2,4,6-Tribromophenol	750.16	95.3	24 - 134	16.878	16.88814	-0.0101	N/A	
p-Terphenyl-d14	500.11	84.2	37 - 120	21.441	21.472	-0.0310	N/A	
22F0267-03 (Solid) Lab File ID: NT1022063011.D Analyzed: 06/30/22 20:02								
2-Fluorophenol	749.20	63.6	27 - 120	6.929	6.888428	0.0406	N/A	
Phenol-d5	749.20	64.7	29 - 120	8.513	8.479	0.0340	N/A	
2-Chlorophenol-d4	749.20	79.9	31 - 120	8.768	8.748286	0.0197	N/A	
1,2-Dichlorobenzene-d4	499.47	82.9	32 - 120	9.474	9.467	0.0070	N/A	
Nitrobenzene-d5	499.47	77.3	30 - 120	10.203	10.20071	0.0023	N/A	
2-Fluorobiphenyl	499.47	99.0	35 - 120	13.817	13.82743	-0.0104	N/A	
2,4,6-Tribromophenol	749.20	64.6	24 - 134	16.878	16.88814	-0.0101	N/A	
p-Terphenyl-d14	499.47	52.9	37 - 120	21.457	21.472	-0.0150	N/A	



SURROGATE RECOVERY AND RT SUMMARY
EPA 8270E

Laboratory: Analytical Resources, LLC
Client: GeoEngineers
Sequence: SKG0010
Calibration: FF00062

SDG/WO: 22F0267
Project: RG Haley Site-Bellingham
Instrument: NT10
Calibration Date: 06/23/2022

Surrogate Compound	Spike Level ug/kg dry	% Recovery	Recovery Limits	RT	Calibration Mean RT	RT Diff	RT Diff Limit	Q
22F0267-05 (Solid)		Lab File ID: NT1022063012.D			Analyzed: 06/30/22 20:41			
2-Fluorophenol	747.34	67.1	27 - 120	6.929	6.888428	0.0406	N/A	
Phenol-d5	747.34	69.4	29 - 120	8.513	8.479	0.0340	N/A	
2-Chlorophenol-d4	747.34	90.3	31 - 120	8.768	8.748286	0.0197	N/A	
1,2-Dichlorobenzene-d4	498.23	92.8	32 - 120	9.473	9.467	0.0060	N/A	
Nitrobenzene-d5	498.23	88.9	30 - 120	10.203	10.20071	0.0023	N/A	
2-Fluorobiphenyl	498.23	105	35 - 120	13.816	13.82743	-0.0114	N/A	
2,4,6-Tribromophenol	747.34	91.7	24 - 134	16.878	16.88814	-0.0101	N/A	
p-Terphenyl-d14	498.23	88.8	37 - 120	21.434	21.472	-0.0380	N/A	
22F0267-07 (Solid)		Lab File ID: NT1022063013.D			Analyzed: 06/30/22 21:20			
2-Fluorophenol	747.11	68.5	27 - 120	6.929	6.888428	0.0406	N/A	
Phenol-d5	747.11	69.1	29 - 120	8.513	8.479	0.0340	N/A	
2-Chlorophenol-d4	747.11	90.6	31 - 120	8.768	8.748286	0.0197	N/A	
1,2-Dichlorobenzene-d4	498.07	91.1	32 - 120	9.474	9.467	0.0070	N/A	
Nitrobenzene-d5	498.07	90.7	30 - 120	10.203	10.20071	0.0023	N/A	
2-Fluorobiphenyl	498.07	129	35 - 120	13.824	13.82743	-0.0034	N/A	*
2,4,6-Tribromophenol	747.11	68.3	24 - 134	16.894	16.88814	0.0059	N/A	
p-Terphenyl-d14	498.07	102	37 - 120	21.441	21.472	-0.0310	N/A	
22F0267-13 (Solid)		Lab File ID: NT1022063014.D			Analyzed: 06/30/22 21:59			
2-Fluorophenol	748.91	67.1	27 - 120	6.929	6.888428	0.0406	N/A	
Phenol-d5	748.91	69.1	29 - 120	8.513	8.479	0.0340	N/A	
2-Chlorophenol-d4	748.91	89.8	31 - 120	8.768	8.748286	0.0197	N/A	
1,2-Dichlorobenzene-d4	499.27	90.2	32 - 120	9.474	9.467	0.0070	N/A	
Nitrobenzene-d5	499.27	87.4	30 - 120	10.203	10.20071	0.0023	N/A	
2-Fluorobiphenyl	499.27	95.8	35 - 120	13.817	13.82743	-0.0104	N/A	
2,4,6-Tribromophenol	748.91	105	24 - 134	16.87	16.88814	-0.0181	N/A	
p-Terphenyl-d14	499.27	118	37 - 120	21.434	21.472	-0.0380	N/A	



SURROGATE RECOVERY AND RT SUMMARY
EPA 8270E

Laboratory: Analytical Resources, LLC
Client: GeoEngineers
Sequence: SKG0010
Calibration: FF00062

SDG/WO: 22F0267
Project: RG Haley Site-Bellingham
Instrument: NT10
Calibration Date: 06/23/2022

Surrogate Compound	Spike Level ug/kg dry	% Recovery	Recovery Limits	RT	Calibration Mean RT	RT Diff	RT Diff Limit	Q
22F0267-16 (Solid)		Lab File ID: NT1022063015.D			Analyzed: 06/30/22 22:38			
2-Fluorophenol	749.52	64.2	27 - 120	6.921	6.888428	0.0326	N/A	
Phenol-d5	749.52	62.7	29 - 120	8.513	8.479	0.0340	N/A	
2-Chlorophenol-d4	749.52	84.5	31 - 120	8.768	8.748286	0.0197	N/A	
1,2-Dichlorobenzene-d4	499.68	82.6	32 - 120	9.473	9.467	0.0060	N/A	
Nitrobenzene-d5	499.68	83.2	30 - 120	10.203	10.20071	0.0023	N/A	
2-Fluorobiphenyl	499.68	91.9	35 - 120	13.816	13.82743	-0.0114	N/A	
2,4,6-Tribromophenol	749.52	94.2	24 - 134	16.878	16.88814	-0.0101	N/A	
p-Terphenyl-d14	499.68	105	37 - 120	21.433	21.472	-0.0390	N/A	
22F0267-18 (Solid)		Lab File ID: NT1022063016.D			Analyzed: 06/30/22 23:17			
2-Fluorophenol	748.43	65.6	27 - 120	6.922	6.888428	0.0336	N/A	
Phenol-d5	748.43	65.6	29 - 120	8.506	8.479	0.0270	N/A	
2-Chlorophenol-d4	748.43	88.5	31 - 120	8.768	8.748286	0.0197	N/A	
1,2-Dichlorobenzene-d4	498.96	87.5	32 - 120	9.474	9.467	0.0070	N/A	
Nitrobenzene-d5	498.96	89.1	30 - 120	10.203	10.20071	0.0023	N/A	
2-Fluorobiphenyl	498.96	96.6	35 - 120	13.817	13.82743	-0.0104	N/A	
2,4,6-Tribromophenol	748.43	102	24 - 134	16.87	16.88814	-0.0181	N/A	
p-Terphenyl-d14	498.96	116	37 - 120	21.426	21.472	-0.0460	N/A	
22F0267-20 (Solid)		Lab File ID: NT1022063017.D			Analyzed: 06/30/22 23:56			
2-Fluorophenol	749.06	64.9	27 - 120	6.922	6.888428	0.0336	N/A	
Phenol-d5	749.06	62.4	29 - 120	8.506	8.479	0.0270	N/A	
2-Chlorophenol-d4	749.06	84.4	31 - 120	8.761	8.748286	0.0127	N/A	
1,2-Dichlorobenzene-d4	499.37	85.5	32 - 120	9.474	9.467	0.0070	N/A	
Nitrobenzene-d5	499.37	85.8	30 - 120	10.203	10.20071	0.0023	N/A	
2-Fluorobiphenyl	499.37	90.6	35 - 120	13.817	13.82743	-0.0104	N/A	
2,4,6-Tribromophenol	749.06	88.4	24 - 134	16.878	16.88814	-0.0101	N/A	
p-Terphenyl-d14	499.37	113	37 - 120	21.426	21.472	-0.0460	N/A	



SURROGATE RECOVERY AND RT SUMMARY
EPA 8270E

Laboratory: Analytical Resources, LLC
Client: GeoEngineers
Sequence: SKG0010
Calibration: FF00062

SDG/WO: 22F0267
Project: RG Haley Site-Bellingham
Instrument: NT10
Calibration Date: 06/23/2022

Surrogate Compound	Spike Level ug/kg dry	% Recovery	Recovery Limits	RT	Calibration Mean RT	RT Diff	RT Diff Limit	Q
22F0267-22 (Solid)		Lab File ID: NT1022063018.D			Analyzed: 07/01/22 00:35			
2-Fluorophenol	746.25	60.6	27 - 120	6.921	6.888428	0.0326	N/A	
Phenol-d5	746.25	59.6	29 - 120	8.505	8.479	0.0260	N/A	
2-Chlorophenol-d4	746.25	80.2	31 - 120	8.76	8.748286	0.0117	N/A	
1,2-Dichlorobenzene-d4	497.50	79.1	32 - 120	9.473	9.467	0.0060	N/A	
Nitrobenzene-d5	497.50	79.1	30 - 120	10.203	10.20071	0.0023	N/A	
2-Fluorobiphenyl	497.50	85.7	35 - 120	13.816	13.82743	-0.0114	N/A	
2,4,6-Tribromophenol	746.25	84.5	24 - 134	16.878	16.88814	-0.0101	N/A	
p-Terphenyl-d14	497.50	115	37 - 120	21.433	21.472	-0.0390	N/A	
SKG0010-CCV1 (Solid)		Lab File ID: NT1022063019.D			Analyzed: 07/01/22 01:13			
2-Fluorophenol	7.5000	99.4	50 - 150	6.913	6.888428	0.0246	N/A	
Phenol-d5	7.5000	105	50 - 150	8.505	8.479	0.0260	N/A	
2-Chlorophenol-d4	7.5000	102	50 - 150	8.76	8.748286	0.0117	N/A	
1,2-Dichlorobenzene-d4	5.0000	100	50 - 150	9.473	9.467	0.0060	N/A	
Nitrobenzene-d5	5.0000	105	50 - 150	10.203	10.20071	0.0023	N/A	
2-Fluorobiphenyl	5.0000	107	50 - 150	13.816	13.82743	-0.0114	N/A	
2,4,6-Tribromophenol	7.5000	103	50 - 150	16.87	16.88814	-0.0181	N/A	
p-Terphenyl-d14	5.0000	167	50 - 150	21.425	21.472	-0.0470	N/A	*



INTERNAL STANDARD AREA AND RT SUMMARY
EPA 8270E

Laboratory: Analytical Resources, LLC
Client: GeoEngineers
Sequence: SKE0212

SDG: 22F0267
Project: RG Haley Site-Bellingham
Instrument: NT6
Calibration: FE00035

Internal Standard	Response	RT	Reference Response	Reference RT	Area %	Area % Limits	RT Diff	RT Diff Limit	Q
Initial Cal Blank (SKE0212-ICB1)		(Water)	Lab File ID: NT622051602.D			Analyzed: 05/16/22 17:45			
1,4-Dichlorobenzene-d4	75058	8.708	71723	8.709	105	50 - 200	-0.001	+/-0.50	
Naphthalene-d8	256178	10.748	255203	10.75	100	50 - 200	-0.002	+/-0.50	
Acenaphthene-d10	146782	13.622	144799	13.623	101	50 - 200	-0.001	+/-0.50	
Phenanthrene-d10	256993	16.015	257295	16.016	100	50 - 200	-0.001	+/-0.50	
Chrysene-d12	199514	20.357	195882	20.364	102	50 - 200	-0.007	+/-0.50	
Di-n-Octylphthalate-d4	262864	21.425	272032	21.432	97	50 - 200	-0.007	+/-0.50	
Perylene-d12	212958	22.547	222542	22.553	96	50 - 200	-0.006	+/-0.50	
Secondary Cal Check (SKE0212-SCV1)		(Water)	Lab File ID: NT622051702.D			Analyzed: 05/17/22 12:39			
1,4-Dichlorobenzene-d4	78743	8.704	71723	8.709	110	50 - 200	-0.005	+/-0.50	
Naphthalene-d8	265327	10.75	255203	10.75	104	50 - 200	0.000	+/-0.50	
Acenaphthene-d10	154616	13.629	144799	13.623	107	50 - 200	0.006	+/-0.50	
Phenanthrene-d10	277010	16.016	257295	16.016	108	50 - 200	0.000	+/-0.50	
Chrysene-d12	212766	20.364	195882	20.364	109	50 - 200	0.000	+/-0.50	
Di-n-Octylphthalate-d4	294742	21.432	272032	21.432	108	50 - 200	0.000	+/-0.50	
Perylene-d12	235601	22.554	222542	22.553	106	50 - 200	0.001	+/-0.50	



INTERNAL STANDARD AREA AND RT SUMMARY
EPA 8270E

Laboratory: Analytical Resources, LLC
Client: GeoEngineers
Sequence: SKF0267

SDG: 22F0267
Project: RG Haley Site-Bellingham
Instrument: NT6
Calibration: FE00035

Internal Standard	Response	RT	Reference Response	Reference RT	Area %	Area % Limits	RT Diff	RT Diff Limit	Q
Initial Cal Check (SKF0267-ICV1)		(Water)	Lab File ID: NT622062201.D			Analyzed: 06/22/22 10:58			
1,4-Dichlorobenzene-d4	56102	8.309	56102	8.309	100	50 - 200	0.000	+/-0.50	
Naphthalene-d8	190364	10.35	190364	10.35	100	50 - 200	0.000	+/-0.50	
Acenaphthene-d10	122124	13.207	122124	13.207	100	50 - 200	0.000	+/-0.50	
Phenanthrene-d10	231281	15.584	231281	15.584	100	50 - 200	0.000	+/-0.50	
Chrysene-d12	202750	19.905	202750	19.905	100	50 - 200	0.000	+/-0.50	
Di-n-Octylphthalate-d4	284466	21.021	284466	21.021	100	50 - 200	0.000	+/-0.50	
Perylene-d12	214859	22.068	214859	22.068	100	50 - 200	0.000	+/-0.50	
Blank (BKF0450-BLK1)		(Water)	Lab File ID: NT622062209.D			Analyzed: 06/22/22 15:38			
1,4-Dichlorobenzene-d4	76170	8.312	56102	8.309	136	50 - 200	0.003	+/-0.50	
Naphthalene-d8	262137	10.347	190364	10.35	138	50 - 200	-0.003	+/-0.50	
Acenaphthene-d10	165366	13.204	122124	13.207	135	50 - 200	-0.003	+/-0.50	
Phenanthrene-d10	290460	15.581	231281	15.584	126	50 - 200	-0.003	+/-0.50	
Chrysene-d12	291959	19.902	202750	19.905	144	50 - 200	-0.003	+/-0.50	
Di-n-Octylphthalate-d4	369126	21.013	284466	21.021	130	50 - 200	-0.008	+/-0.50	
Perylene-d12	331722	22.07	214859	22.068	154	50 - 200	0.002	+/-0.50	
LCS (BKF0450-BS1)		(Water)	Lab File ID: NT622062210.D			Analyzed: 06/22/22 16:12			
1,4-Dichlorobenzene-d4	78481	8.309	56102	8.309	140	50 - 200	0.000	+/-0.50	
Naphthalene-d8	265970	10.35	190364	10.35	140	50 - 200	0.000	+/-0.50	
Acenaphthene-d10	166849	13.212	122124	13.207	137	50 - 200	0.005	+/-0.50	
Phenanthrene-d10	308733	15.589	231281	15.584	133	50 - 200	0.005	+/-0.50	
Chrysene-d12	317827	19.91	202750	19.905	157	50 - 200	0.005	+/-0.50	
Di-n-Octylphthalate-d4	407228	21.021	284466	21.021	143	50 - 200	0.000	+/-0.50	
Perylene-d12	347106	22.079	214859	22.068	162	50 - 200	0.011	+/-0.50	
LCS Dup (BKF0450-BSD1)		(Water)	Lab File ID: NT622062211.D			Analyzed: 06/22/22 16:45			
1,4-Dichlorobenzene-d4	76789	8.315	56102	8.309	137	50 - 200	0.006	+/-0.50	
Naphthalene-d8	262224	10.35	190364	10.35	138	50 - 200	0.000	+/-0.50	
Acenaphthene-d10	162231	13.213	122124	13.207	133	50 - 200	0.006	+/-0.50	
Phenanthrene-d10	297228	15.589	231281	15.584	129	50 - 200	0.005	+/-0.50	
Chrysene-d12	304645	19.91	202750	19.905	150	50 - 200	0.005	+/-0.50	
Di-n-Octylphthalate-d4	398798	21.021	284466	21.021	140	50 - 200	0.000	+/-0.50	
Perylene-d12	332640	22.079	214859	22.068	155	50 - 200	0.011	+/-0.50	



INTERNAL STANDARD AREA AND RT SUMMARY
EPA 8270E

Laboratory: Analytical Resources, LLC
Client: GeoEngineers
Sequence: SKF0267

SDG: 22F0267
Project: RG Haley Site-Bellingham
Instrument: NT6
Calibration: FE00035

Internal Standard	Response	RT	Reference Response	Reference RT	Area %	Area % Limits	RT Diff	RT Diff Limit	Q
Z1A-3-PW (22F0267-09)		(Water)	Lab File ID: NT622062212.D			Analyzed: 06/22/22 17:19			
1,4-Dichlorobenzene-d4	80838	8.31	56102	8.309	144	50 - 200	0.001	+/-0.50	
Naphthalene-d8	284150	10.345	190364	10.35	149	50 - 200	-0.005	+/-0.50	
Acenaphthene-d10	176889	13.208	122124	13.207	145	50 - 200	0.001	+/-0.50	
Phenanthrene-d10	318242	15.584	231281	15.584	138	50 - 200	0.000	+/-0.50	
Chrysene-d12	320545	19.9	202750	19.905	158	50 - 200	-0.005	+/-0.50	
Di-n-Octylphthalate-d4	415330	21.016	284466	21.021	146	50 - 200	-0.005	+/-0.50	
Perylene-d12	363035	22.074	214859	22.068	169	50 - 200	0.006	+/-0.50	
Z1A-6-PW (22F0267-10)		(Water)	Lab File ID: NT622062213.D			Analyzed: 06/22/22 17:53			
1,4-Dichlorobenzene-d4	78651	8.312	56102	8.309	140	50 - 200	0.003	+/-0.50	
Naphthalene-d8	280385	10.347	190364	10.35	147	50 - 200	-0.003	+/-0.50	
Acenaphthene-d10	171438	13.205	122124	13.207	140	50 - 200	-0.002	+/-0.50	
Phenanthrene-d10	306007	15.582	231281	15.584	132	50 - 200	-0.002	+/-0.50	
Chrysene-d12	312959	19.903	202750	19.905	154	50 - 200	-0.002	+/-0.50	
Di-n-Octylphthalate-d4	403535	21.014	284466	21.021	142	50 - 200	-0.007	+/-0.50	
Perylene-d12	344395	22.071	214859	22.068	160	50 - 200	0.003	+/-0.50	
Z1A-9-PW (22F0267-11)		(Water)	Lab File ID: NT622062214.D			Analyzed: 06/22/22 18:26			
1,4-Dichlorobenzene-d4	83940	8.309	56102	8.309	150	50 - 200	0.000	+/-0.50	
Naphthalene-d8	291931	10.344	190364	10.35	153	50 - 200	-0.006	+/-0.50	
Acenaphthene-d10	182806	13.207	122124	13.207	150	50 - 200	0.000	+/-0.50	
Phenanthrene-d10	324771	15.583	231281	15.584	140	50 - 200	-0.001	+/-0.50	
Chrysene-d12	327736	19.899	202750	19.905	162	50 - 200	-0.006	+/-0.50	
Di-n-Octylphthalate-d4	419918	21.015	284466	21.021	148	50 - 200	-0.006	+/-0.50	
Perylene-d12	371340	22.068	214859	22.068	173	50 - 200	0.000	+/-0.50	
Z1A-12-PW (22F0267-12)		(Water)	Lab File ID: NT622062215.D			Analyzed: 06/22/22 19:00			
1,4-Dichlorobenzene-d4	86179	8.31	56102	8.309	154	50 - 200	0.001	+/-0.50	
Naphthalene-d8	294376	10.345	190364	10.35	155	50 - 200	-0.005	+/-0.50	
Acenaphthene-d10	173445	13.207	122124	13.207	142	50 - 200	0.000	+/-0.50	
Phenanthrene-d10	305533	15.584	231281	15.584	132	50 - 200	0.000	+/-0.50	
Chrysene-d12	332864	19.9	202750	19.905	164	50 - 200	-0.005	+/-0.50	
Di-n-Octylphthalate-d4	426607	21.016	284466	21.021	150	50 - 200	-0.005	+/-0.50	
Perylene-d12	378872	22.074	214859	22.068	176	50 - 200	0.006	+/-0.50	



INTERNAL STANDARD AREA AND RT SUMMARY
EPA 8270E

Laboratory: Analytical Resources, LLC
Client: GeoEngineers
Sequence: SKF0267

SDG: 22F0267
Project: RG Haley Site-Bellingham
Instrument: NT6
Calibration: FE00035

Internal Standard	Response	RT	Reference Response	Reference RT	Area %	Area % Limits	RT Diff	RT Diff Limit	Q
DUP-1-PW (22F0267-15)		(Water)	Lab File ID: NT622062216.D			Analyzed: 06/22/22 19:33			
1,4-Dichlorobenzene-d4	81921	8.309	56102	8.309	146	50 - 200	0.000	+/-0.50	
Naphthalene-d8	291039	10.344	190364	10.35	153	50 - 200	-0.006	+/-0.50	
Acenaphthene-d10	176617	13.206	122124	13.207	145	50 - 200	-0.001	+/-0.50	
Phenanthrene-d10	315015	15.583	231281	15.584	136	50 - 200	-0.001	+/-0.50	
Chrysene-d12	323395	19.904	202750	19.905	160	50 - 200	-0.001	+/-0.50	
Di-n-Octylphthalate-d4	416745	21.015	284466	21.021	147	50 - 200	-0.006	+/-0.50	
Perylene-d12	357845	22.073	214859	22.068	167	50 - 200	0.005	+/-0.50	
Z1B-1-PW (22F0267-24)		(Water)	Lab File ID: NT622062217.D			Analyzed: 06/22/22 20:07			
1,4-Dichlorobenzene-d4	88224	8.311	56102	8.309	157	50 - 200	0.002	+/-0.50	
Naphthalene-d8	301892	10.346	190364	10.35	159	50 - 200	-0.004	+/-0.50	
Acenaphthene-d10	190025	13.203	122124	13.207	156	50 - 200	-0.004	+/-0.50	
Phenanthrene-d10	333227	15.58	231281	15.584	144	50 - 200	-0.004	+/-0.50	
Chrysene-d12	333688	19.901	202750	19.905	165	50 - 200	-0.004	+/-0.50	
Di-n-Octylphthalate-d4	426742	21.017	284466	21.021	150	50 - 200	-0.004	+/-0.50	
Perylene-d12	378379	22.069	214859	22.068	176	50 - 200	0.001	+/-0.50	
Z1B-2-PW (22F0267-25)		(Water)	Lab File ID: NT622062218.D			Analyzed: 06/22/22 20:40			
1,4-Dichlorobenzene-d4	83630	8.31	56102	8.309	149	50 - 200	0.001	+/-0.50	
Naphthalene-d8	287440	10.344	190364	10.35	151	50 - 200	-0.006	+/-0.50	
Acenaphthene-d10	182291	13.202	122124	13.207	149	50 - 200	-0.005	+/-0.50	
Phenanthrene-d10	325500	15.584	231281	15.584	141	50 - 200	0.000	+/-0.50	
Chrysene-d12	333947	19.9	202750	19.905	165	50 - 200	-0.005	+/-0.50	
Di-n-Octylphthalate-d4	428756	21.011	284466	21.021	151	50 - 200	-0.010	+/-0.50	
Perylene-d12	374205	22.068	214859	22.068	174	50 - 200	0.000	+/-0.50	
Z1B-3-PW (22F0267-26)		(Water)	Lab File ID: NT622062219.D			Analyzed: 06/22/22 21:14			
1,4-Dichlorobenzene-d4	86232	8.311	56102	8.309	154	50 - 200	0.002	+/-0.50	
Naphthalene-d8	299747	10.346	190364	10.35	157	50 - 200	-0.004	+/-0.50	
Acenaphthene-d10	184999	13.204	122124	13.207	151	50 - 200	-0.003	+/-0.50	
Phenanthrene-d10	329901	15.58	231281	15.584	143	50 - 200	-0.004	+/-0.50	
Chrysene-d12	339482	19.901	202750	19.905	167	50 - 200	-0.004	+/-0.50	
Di-n-Octylphthalate-d4	433132	21.018	284466	21.021	152	50 - 200	-0.003	+/-0.50	
Perylene-d12	383753	22.07	214859	22.068	179	50 - 200	0.002	+/-0.50	



INTERNAL STANDARD AREA AND RT SUMMARY
EPA 8270E

Laboratory: Analytical Resources, LLC
Client: GeoEngineers
Sequence: SKF0267

SDG: 22F0267
Project: RG Haley Site-Bellingham
Instrument: NT6
Calibration: FE00035

Internal Standard	Response	RT	Reference Response	Reference RT	Area %	Area % Limits	RT Diff	RT Diff Limit	Q
Calibration Check (SKF0267-CCV1)		(Water)	Lab File ID: NT622062222.D			Analyzed: 06/22/22 22:54			
1,4-Dichlorobenzene-d4	56474	8.311	56102	8.309	101	50 - 200	0.002	+/-0.50	
Naphthalene-d8	192275	10.346	190364	10.35	101	50 - 200	-0.004	+/-0.50	
Acenaphthene-d10	120865	13.204	122124	13.207	99	50 - 200	-0.003	+/-0.50	
Phenanthrene-d10	227658	15.581	231281	15.584	98	50 - 200	-0.003	+/-0.50	
Chrysene-d12	224903	19.901	202750	19.905	111	50 - 200	-0.004	+/-0.50	
Di-n-Octylphthalate-d4	301619	21.018	284466	21.021	106	50 - 200	-0.003	+/-0.50	
Perylene-d12	251105	22.07	214859	22.068	117	50 - 200	0.002	+/-0.50	



INTERNAL STANDARD AREA AND RT SUMMARY
EPA 8270E

Laboratory: Analytical Resources, LLC
Client: GeoEngineers
Sequence: SKF0270

SDG: 22F0267
Project: RG Haley Site-Bellingham
Instrument: NT10
Calibration: FF00062

Internal Standard	Response	RT	Reference Response	Reference RT	Area %	Area % Limits	RT Diff	RT Diff Limit	Q
Secondary Cal Check (SKF0270-SCV1)		(Water)	Lab File ID: NT1022062311.D			Analyzed: 06/23/22 15:20			
1,4-Dichlorobenzene-d4	152987	9.117	149714	9.101	102	50 - 200	0.016	+/-0.50	
Naphthalene-d8	505418	11.604	491315	11.589	103	50 - 200	0.015	+/-0.50	
Acenaphthene-d10	286969	15.233	286589	15.217	100	50 - 200	0.016	+/-0.50	
Phenanthrene-d10	505363	18.3	498820	18.277	101	50 - 200	0.023	+/-0.50	
Chrysene-d12	344386	23.393	311295	23.354	111	50 - 200	0.039	+/-0.50	
Di-n-Octylphthalate-d4	654412	24.453	577982	24.422	113	50 - 200	0.031	+/-0.50	
Perylene-d12	267390	26.095	218550	26.048	122	50 - 200	0.047	+/-0.50	
Initial Cal Blank (SKF0270-ICB1)		(Water)	Lab File ID: NT1022062312.D			Analyzed: 06/23/22 15:59			
1,4-Dichlorobenzene-d4	208909	9.101	149714	9.101	140	50 - 200	0.000	+/-0.50	
Naphthalene-d8	724721	11.588	491315	11.589	148	50 - 200	-0.001	+/-0.50	
Acenaphthene-d10	361524	15.217	286589	15.217	126	50 - 200	0.000	+/-0.50	
Phenanthrene-d10	629366	18.277	498820	18.277	126	50 - 200	0.000	+/-0.50	
Chrysene-d12	466619	23.354	311295	23.354	150	50 - 200	0.000	+/-0.50	
Di-n-Octylphthalate-d4	716301	24.422	577982	24.422	124	50 - 200	0.000	+/-0.50	
Perylene-d12	359159	26.056	218550	26.048	164	50 - 200	0.008	+/-0.50	
Initial Cal Check (SKF0270-ICV1)		(Water)	Lab File ID: NT1022062313.D			Analyzed: 06/23/22 16:38			
1,4-Dichlorobenzene-d4	149714	9.101	149714	9.101	100	50 - 200	0.000	+/-0.50	
Naphthalene-d8	491315	11.589	491315	11.589	100	50 - 200	0.000	+/-0.50	
Acenaphthene-d10	286589	15.217	286589	15.217	100	50 - 200	0.000	+/-0.50	
Phenanthrene-d10	498820	18.277	498820	18.277	100	50 - 200	0.000	+/-0.50	
Chrysene-d12	311295	23.354	311295	23.354	100	50 - 200	0.000	+/-0.50	
Di-n-Octylphthalate-d4	577982	24.422	577982	24.422	100	50 - 200	0.000	+/-0.50	
Perylene-d12	218550	26.048	218550	26.048	100	50 - 200	0.000	+/-0.50	
Calibration Check (SKF0270-CCV1)		(Water)	Lab File ID: NT1022062332.D			Analyzed: 06/24/22 04:54			
1,4-Dichlorobenzene-d4	155063	9.109	149714	9.101	104	50 - 200	0.008	+/-0.50	
Naphthalene-d8	504423	11.596	491315	11.589	103	50 - 200	0.007	+/-0.50	
Acenaphthene-d10	286127	15.217	286589	15.217	100	50 - 200	0.000	+/-0.50	
Phenanthrene-d10	410398	18.269	498820	18.277	82	50 - 200	-0.008	+/-0.50	
Chrysene-d12	115467	23.338	311295	23.354	37	50 - 200	-0.016	+/-0.50	*
Di-n-Octylphthalate-d4	249026	24.399	577982	24.422	43	50 - 200	-0.023	+/-0.50	*
Perylene-d12	88962	26.025	218550	26.048	41	50 - 200	-0.023	+/-0.50	*



INTERNAL STANDARD AREA AND RT SUMMARY
EPA 8270E

Laboratory: Analytical Resources, LLC
Client: GeoEngineers
Sequence: SKF0291

SDG: 22F0267
Project: RG Haley Site-Bellingham
Instrument: NT6
Calibration: FE00035

Internal Standard	Response	RT	Reference Response	Reference RT	Area %	Area % Limits	RT Diff	RT Diff Limit	Q
Initial Cal Check (SKF0291-ICV1)		(Water)	Lab File ID: NT622062401.D			Analyzed: 06/24/22 10:22			
1,4-Dichlorobenzene-d4	61282	8.3	61282	8.3	100	50 - 200	0.000	+/-0.50	
Naphthalene-d8	213957	10.335	213957	10.335	100	50 - 200	0.000	+/-0.50	
Acenaphthene-d10	139427	13.193	139427	13.193	100	50 - 200	0.000	+/-0.50	
Phenanthrene-d10	268928	15.569	268928	15.569	100	50 - 200	0.000	+/-0.50	
Chrysene-d12	229100	19.89	229100	19.89	100	50 - 200	0.000	+/-0.50	
Di-n-Octylphthalate-d4	325717	21.007	325717	21.007	100	50 - 200	0.000	+/-0.50	
Perylene-d12	228006	22.054	228006	22.054	100	50 - 200	0.000	+/-0.50	
Low Cal Check (SKF0291-LCV1)		(Water)	Lab File ID: NT622062402.D			Analyzed: 06/24/22 10:59			
1,4-Dichlorobenzene-d4	67195	8.294	61282	8.3	110	50 - 200	-0.006	+/-0.50	
Naphthalene-d8	232411	10.329	213957	10.335	109	50 - 200	-0.006	+/-0.50	
Acenaphthene-d10	143203	13.192	139427	13.193	103	50 - 200	-0.001	+/-0.50	
Phenanthrene-d10	266179	15.569	268928	15.569	99	50 - 200	0.000	+/-0.50	
Chrysene-d12	223436	19.884	229100	19.89	98	50 - 200	-0.006	+/-0.50	
Di-n-Octylphthalate-d4	318664	21.001	325717	21.007	98	50 - 200	-0.006	+/-0.50	
Perylene-d12	230513	22.053	228006	22.054	101	50 - 200	-0.001	+/-0.50	
Z1B-4-PW (22F0267-27)		(Water)	Lab File ID: NT622062410.D			Analyzed: 06/24/22 15:29			
1,4-Dichlorobenzene-d4	78197	8.295	61282	8.3	128	50 - 200	-0.005	+/-0.50	
Naphthalene-d8	275763	10.33	213957	10.335	129	50 - 200	-0.005	+/-0.50	
Acenaphthene-d10	173510	13.193	139427	13.193	124	50 - 200	0.000	+/-0.50	
Phenanthrene-d10	314128	15.564	268928	15.569	117	50 - 200	-0.005	+/-0.50	
Chrysene-d12	276174	19.885	229100	19.89	121	50 - 200	-0.005	+/-0.50	
Di-n-Octylphthalate-d4	371541	21.001	325717	21.007	114	50 - 200	-0.006	+/-0.50	
Perylene-d12	308259	22.053	228006	22.054	135	50 - 200	-0.001	+/-0.50	
Calibration Check (SKF0291-CCV1)		(Water)	Lab File ID: NT622062417.D			Analyzed: 06/24/22 19:27			
1,4-Dichlorobenzene-d4	58693	8.301	61282	8.3	96	50 - 200	0.001	+/-0.50	
Naphthalene-d8	206109	10.336	213957	10.335	96	50 - 200	0.001	+/-0.50	
Acenaphthene-d10	130260	13.194	139427	13.193	93	50 - 200	0.001	+/-0.50	
Phenanthrene-d10	247673	15.57	268928	15.569	92	50 - 200	0.001	+/-0.50	
Chrysene-d12	222409	19.886	229100	19.89	97	50 - 200	-0.004	+/-0.50	
Di-n-Octylphthalate-d4	309175	21.002	325717	21.007	95	50 - 200	-0.005	+/-0.50	
Perylene-d12	239346	22.049	228006	22.054	105	50 - 200	-0.005	+/-0.50	



INTERNAL STANDARD AREA AND RT SUMMARY
EPA 8270E

Laboratory: Analytical Resources, LLC
Client: GeoEngineers
Sequence: SKG0010

SDG: 22F0267
Project: RG Haley Site-Bellingham
Instrument: NT10
Calibration: FF00062

Internal Standard	Response	RT	Reference Response	Reference RT	Area %	Area % Limits	RT Diff	RT Diff Limit	Q
Initial Cal Check (SKG0010-ICV1)		(Solid)	Lab File ID: NT1022063002.D			Analyzed: 06/30/22 14:09			
1,4-Dichlorobenzene-d4	207392	9.117	207392	9.117	100	50 - 200	0.000	+/-0.50	
Naphthalene-d8	696938	11.604	696938	11.604	100	50 - 200	0.000	+/-0.50	
Acenaphthene-d10	395441	15.225	395441	15.225	100	50 - 200	0.000	+/-0.50	
Phenanthrene-d10	603067	18.277	603067	18.277	100	50 - 200	0.000	+/-0.50	
Chrysene-d12	148146	23.354	148146	23.354	100	50 - 200	0.000	+/-0.50	
Di-n-Octylphthalate-d4	308009	24.407	308009	24.407	100	50 - 200	0.000	+/-0.50	
Perylene-d12	115550	26.041	115550	26.041	100	50 - 200	0.000	+/-0.50	
Low Cal Check (SKG0010-LCV1)		(Solid)	Lab File ID: NT1022063004.D			Analyzed: 06/30/22 15:27			
1,4-Dichlorobenzene-d4	332704	9.109	207392	9.117	160	50 - 200	-0.008	+/-0.50	
Naphthalene-d8	1062043	11.596	696938	11.604	152	50 - 200	-0.008	+/-0.50	
Acenaphthene-d10	556429	15.217	395441	15.225	141	50 - 200	-0.008	+/-0.50	
Phenanthrene-d10	1013804	18.269	603067	18.277	168	50 - 200	-0.008	+/-0.50	
Chrysene-d12	327341	23.346	148146	23.354	221	50 - 200	-0.008	+/-0.50	*
Di-n-Octylphthalate-d4	558419	24.399	308009	24.407	181	50 - 200	-0.008	+/-0.50	
Perylene-d12	202190	26.033	115550	26.041	175	50 - 200	-0.008	+/-0.50	
Blank (BKF0469-BLK1)		(Solid)	Lab File ID: NT1022063005.D			Analyzed: 06/30/22 16:07			
1,4-Dichlorobenzene-d4	308573	9.109	207392	9.117	149	50 - 200	-0.008	+/-0.50	
Naphthalene-d8	1090835	11.596	696938	11.604	157	50 - 200	-0.008	+/-0.50	
Acenaphthene-d10	561409	15.217	395441	15.225	142	50 - 200	-0.008	+/-0.50	
Phenanthrene-d10	896231	18.269	603067	18.277	149	50 - 200	-0.008	+/-0.50	
Chrysene-d12	353451	23.346	148146	23.354	239	50 - 200	-0.008	+/-0.50	*
Di-n-Octylphthalate-d4	584548	24.399	308009	24.407	190	50 - 200	-0.008	+/-0.50	
Perylene-d12	208303	26.033	115550	26.041	180	50 - 200	-0.008	+/-0.50	
LCS (BKF0469-BS1)		(Solid)	Lab File ID: NT1022063006.D			Analyzed: 06/30/22 16:46			
1,4-Dichlorobenzene-d4	238954	9.109	207392	9.117	115	50 - 200	-0.008	+/-0.50	
Naphthalene-d8	798255	11.596	696938	11.604	115	50 - 200	-0.008	+/-0.50	
Acenaphthene-d10	454678	15.217	395441	15.225	115	50 - 200	-0.008	+/-0.50	
Phenanthrene-d10	759715	18.269	603067	18.277	126	50 - 200	-0.008	+/-0.50	
Chrysene-d12	328861	23.346	148146	23.354	222	50 - 200	-0.008	+/-0.50	*
Di-n-Octylphthalate-d4	607131	24.399	308009	24.407	197	50 - 200	-0.008	+/-0.50	
Perylene-d12	201067	26.032	115550	26.041	174	50 - 200	-0.009	+/-0.50	



INTERNAL STANDARD AREA AND RT SUMMARY
EPA 8270E

Laboratory: Analytical Resources, LLC
Client: GeoEngineers
Sequence: SKG0010

SDG: 22F0267
Project: RG Haley Site-Bellingham
Instrument: NT10
Calibration: FF00062

Internal Standard	Response	RT	Reference Response	Reference RT	Area %	Area % Limits	RT Diff	RT Diff Limit	Q
LCS Dup (BKF0469-BSD1)		(Solid)	Lab File ID: NT1022063007.D			Analyzed: 06/30/22 17:25			
1,4-Dichlorobenzene-d4	236402	9.109	207392	9.117	114	50 - 200	-0.008	+/-0.50	
Naphthalene-d8	782997	11.596	696938	11.604	112	50 - 200	-0.008	+/-0.50	
Acenaphthene-d10	451584	15.217	395441	15.225	114	50 - 200	-0.008	+/-0.50	
Phenanthrene-d10	770780	18.269	603067	18.277	128	50 - 200	-0.008	+/-0.50	
Chrysene-d12	357819	23.346	148146	23.354	242	50 - 200	-0.008	+/-0.50	*
Di-n-Octylphthalate-d4	644418	24.399	308009	24.407	209	50 - 200	-0.008	+/-0.50	*
Perylene-d12	212609	26.033	115550	26.041	184	50 - 200	-0.008	+/-0.50	
Z1A-3-MS (22F0267-01)		(Solid)	Lab File ID: NT1022063008.D			Analyzed: 06/30/22 18:05			
1,4-Dichlorobenzene-d4	282294	9.109	207392	9.117	136	50 - 200	-0.008	+/-0.50	
Naphthalene-d8	968530	11.589	696938	11.604	139	50 - 200	-0.015	+/-0.50	
Acenaphthene-d10	502808	15.217	395441	15.225	127	50 - 200	-0.008	+/-0.50	
Phenanthrene-d10	787981	18.277	603067	18.277	131	50 - 200	0.000	+/-0.50	
Chrysene-d12	168174	23.354	148146	23.354	114	50 - 200	0.000	+/-0.50	
Di-n-Octylphthalate-d4	328842	24.407	308009	24.407	107	50 - 200	0.000	+/-0.50	
Perylene-d12	125982	26.064	115550	26.041	109	50 - 200	0.023	+/-0.50	
Matrix Spike (BKF0469-MS1)		(Solid)	Lab File ID: NT1022063009.D			Analyzed: 06/30/22 18:44			
1,4-Dichlorobenzene-d4	218902	9.116	207392	9.117	106	50 - 200	-0.001	+/-0.50	
Naphthalene-d8	751375	11.596	696938	11.604	108	50 - 200	-0.008	+/-0.50	
Acenaphthene-d10	404830	15.217	395441	15.225	102	50 - 200	-0.008	+/-0.50	
Phenanthrene-d10	588206	18.277	603067	18.277	98	50 - 200	0.000	+/-0.50	
Chrysene-d12	131239	23.362	148146	23.354	89	50 - 200	0.008	+/-0.50	
Di-n-Octylphthalate-d4	307596	24.414	308009	24.407	100	50 - 200	0.007	+/-0.50	
Perylene-d12	111102	26.079	115550	26.041	96	50 - 200	0.038	+/-0.50	
Matrix Spike Dup (BKF0469-MSD1)		(Solid)	Lab File ID: NT1022063010.D			Analyzed: 06/30/22 19:23			
1,4-Dichlorobenzene-d4	218048	9.117	207392	9.117	105	50 - 200	0.000	+/-0.50	
Naphthalene-d8	747226	11.596	696938	11.604	107	50 - 200	-0.008	+/-0.50	
Acenaphthene-d10	406866	15.225	395441	15.225	103	50 - 200	0.000	+/-0.50	
Phenanthrene-d10	557128	18.277	603067	18.277	92	50 - 200	0.000	+/-0.50	
Chrysene-d12	125327	23.362	148146	23.354	85	50 - 200	0.008	+/-0.50	
Di-n-Octylphthalate-d4	307486	24.415	308009	24.407	100	50 - 200	0.008	+/-0.50	
Perylene-d12	110207	26.079	115550	26.041	95	50 - 200	0.038	+/-0.50	



INTERNAL STANDARD AREA AND RT SUMMARY
EPA 8270E

Laboratory: Analytical Resources, LLC
Client: GeoEngineers
Sequence: SKG0010

SDG: 22F0267
Project: RG Haley Site-Bellingham
Instrument: NT10
Calibration: FF00062

Internal Standard	Response	RT	Reference Response	Reference RT	Area %	Area % Limits	RT Diff	RT Diff Limit	Q
Z1A-6-MS (22F0267-03)		(Solid)	Lab File ID: NT1022063011.D			Analyzed: 06/30/22 20:02			
1,4-Dichlorobenzene-d4	270475	9.117	207392	9.117	130	50 - 200	0.000	+/-0.50	
Naphthalene-d8	984681	11.596	696938	11.604	141	50 - 200	-0.008	+/-0.50	
Acenaphthene-d10	421244	15.217	395441	15.225	107	50 - 200	-0.008	+/-0.50	
Phenanthrene-d10	446180	18.285	603067	18.277	74	50 - 200	0.008	+/-0.50	
Chrysene-d12	221135	23.385	148146	23.354	149	50 - 200	0.031	+/-0.50	
Di-n-Octylphthalate-d4	444927	24.438	308009	24.407	144	50 - 200	0.031	+/-0.50	
Perylene-d12	151665	26.126	115550	26.041	131	50 - 200	0.085	+/-0.50	
Z1A-9-MS (22F0267-05)		(Solid)	Lab File ID: NT1022063012.D			Analyzed: 06/30/22 20:41			
1,4-Dichlorobenzene-d4	271709	9.109	207392	9.117	131	50 - 200	-0.008	+/-0.50	
Naphthalene-d8	955920	11.596	696938	11.604	137	50 - 200	-0.008	+/-0.50	
Acenaphthene-d10	467208	15.225	395441	15.225	118	50 - 200	0.000	+/-0.50	
Phenanthrene-d10	629459	18.277	603067	18.277	104	50 - 200	0.000	+/-0.50	
Chrysene-d12	121023	23.354	148146	23.354	82	50 - 200	0.000	+/-0.50	
Di-n-Octylphthalate-d4	259503	24.399	308009	24.407	84	50 - 200	-0.008	+/-0.50	
Perylene-d12	98600	26.048	115550	26.041	85	50 - 200	0.007	+/-0.50	
Z1A-12-MS (22F0267-07)		(Solid)	Lab File ID: NT1022063013.D			Analyzed: 06/30/22 21:20			
1,4-Dichlorobenzene-d4	263868	9.117	207392	9.117	127	50 - 200	0.000	+/-0.50	
Naphthalene-d8	868724	11.596	696938	11.604	125	50 - 200	-0.008	+/-0.50	
Acenaphthene-d10	233749	15.233	395441	15.225	59	50 - 200	0.008	+/-0.50	
Phenanthrene-d10	406139	18.292	603067	18.277	67	50 - 200	0.015	+/-0.50	
Chrysene-d12	119262	23.354	148146	23.354	81	50 - 200	0.000	+/-0.50	
Di-n-Octylphthalate-d4	257479	24.407	308009	24.407	84	50 - 200	0.000	+/-0.50	
Perylene-d12	98514	26.056	115550	26.041	85	50 - 200	0.015	+/-0.50	
DUP-1-MS (22F0267-13)		(Solid)	Lab File ID: NT1022063014.D			Analyzed: 06/30/22 21:59			
1,4-Dichlorobenzene-d4	261361	9.109	207392	9.117	126	50 - 200	-0.008	+/-0.50	
Naphthalene-d8	927069	11.596	696938	11.604	133	50 - 200	-0.008	+/-0.50	
Acenaphthene-d10	483550	15.217	395441	15.225	122	50 - 200	-0.008	+/-0.50	
Phenanthrene-d10	754417	18.269	603067	18.277	125	50 - 200	-0.008	+/-0.50	
Chrysene-d12	133090	23.354	148146	23.354	90	50 - 200	0.000	+/-0.50	
Di-n-Octylphthalate-d4	271376	24.399	308009	24.407	88	50 - 200	-0.008	+/-0.50	
Perylene-d12	95183	26.048	115550	26.041	82	50 - 200	0.007	+/-0.50	



INTERNAL STANDARD AREA AND RT SUMMARY
EPA 8270E

Laboratory: Analytical Resources, LLC
Client: GeoEngineers
Sequence: SKG0010

SDG: 22F0267
Project: RG Haley Site-Bellingham
Instrument: NT10
Calibration: FF00062

Internal Standard	Response	RT	Reference Response	Reference RT	Area %	Area % Limits	RT Diff	RT Diff Limit	Q
Z1B-1-MS (22F0267-16)		(Solid)	Lab File ID: NT1022063015.D			Analyzed: 06/30/22 22:38			
1,4-Dichlorobenzene-d4	278209	9.109	207392	9.117	134	50 - 200	-0.008	+/-0.50	
Naphthalene-d8	955423	11.596	696938	11.604	137	50 - 200	-0.008	+/-0.50	
Acenaphthene-d10	487857	15.217	395441	15.225	123	50 - 200	-0.008	+/-0.50	
Phenanthrene-d10	771125	18.269	603067	18.277	128	50 - 200	-0.008	+/-0.50	
Chrysene-d12	134253	23.354	148146	23.354	91	50 - 200	0.000	+/-0.50	
Di-n-Octylphthalate-d4	274371	24.407	308009	24.407	89	50 - 200	0.000	+/-0.50	
Perylene-d12	92039	26.056	115550	26.041	80	50 - 200	0.015	+/-0.50	
Z1B-2-MS (22F0267-18)		(Solid)	Lab File ID: NT1022063016.D			Analyzed: 06/30/22 23:17			
1,4-Dichlorobenzene-d4	271574	9.109	207392	9.117	131	50 - 200	-0.008	+/-0.50	
Naphthalene-d8	951230	11.596	696938	11.604	136	50 - 200	-0.008	+/-0.50	
Acenaphthene-d10	496227	15.217	395441	15.225	125	50 - 200	-0.008	+/-0.50	
Phenanthrene-d10	809754	18.269	603067	18.277	134	50 - 200	-0.008	+/-0.50	
Chrysene-d12	149213	23.346	148146	23.354	101	50 - 200	-0.008	+/-0.50	
Di-n-Octylphthalate-d4	303832	24.399	308009	24.407	99	50 - 200	-0.008	+/-0.50	
Perylene-d12	102997	26.048	115550	26.041	89	50 - 200	0.007	+/-0.50	
Z1B-3-MS (22F0267-20)		(Solid)	Lab File ID: NT1022063017.D			Analyzed: 06/30/22 23:56			
1,4-Dichlorobenzene-d4	281189	9.109	207392	9.117	136	50 - 200	-0.008	+/-0.50	
Naphthalene-d8	970710	11.596	696938	11.604	139	50 - 200	-0.008	+/-0.50	
Acenaphthene-d10	495459	15.217	395441	15.225	125	50 - 200	-0.008	+/-0.50	
Phenanthrene-d10	761824	18.269	603067	18.277	126	50 - 200	-0.008	+/-0.50	
Chrysene-d12	176367	23.346	148146	23.354	119	50 - 200	-0.008	+/-0.50	
Di-n-Octylphthalate-d4	345810	24.399	308009	24.407	112	50 - 200	-0.008	+/-0.50	
Perylene-d12	121347	26.041	115550	26.041	105	50 - 200	0.000	+/-0.50	
Z1B-4-MS (22F0267-22)		(Solid)	Lab File ID: NT1022063018.D			Analyzed: 07/01/22 00:35			
1,4-Dichlorobenzene-d4	285328	9.109	207392	9.117	138	50 - 200	-0.008	+/-0.50	
Naphthalene-d8	975244	11.596	696938	11.604	140	50 - 200	-0.008	+/-0.50	
Acenaphthene-d10	480190	15.217	395441	15.225	121	50 - 200	-0.008	+/-0.50	
Phenanthrene-d10	796265	18.269	603067	18.277	132	50 - 200	-0.008	+/-0.50	
Chrysene-d12	197374	23.346	148146	23.354	133	50 - 200	-0.008	+/-0.50	
Di-n-Octylphthalate-d4	371489	24.399	308009	24.407	121	50 - 200	-0.008	+/-0.50	
Perylene-d12	124230	26.048	115550	26.041	108	50 - 200	0.007	+/-0.50	



INTERNAL STANDARD AREA AND RT SUMMARY
EPA 8270E

Laboratory: Analytical Resources, LLC
Client: GeoEngineers
Sequence: SKG0010

SDG: 22F0267
Project: RG Haley Site-Bellingham
Instrument: NT10
Calibration: FF00062

Internal Standard	Response	RT	Reference Response	Reference RT	Area %	Area % Limits	RT Diff	RT Diff Limit	Q
Calibration Check (SKG0010-CCV1)		(Water)	Lab File ID: NT1022063019.D			Analyzed: 07/01/22 01:13			
1,4-Dichlorobenzene-d4	188811	9.116	207392	9.117	91	50 - 200	-0.001	+/-0.50	
Naphthalene-d8	611973	11.596	696938	11.604	88	50 - 200	-0.008	+/-0.50	
Acenaphthene-d10	357247	15.217	395441	15.225	90	50 - 200	-0.008	+/-0.50	
Phenanthrene-d10	630045	18.276	603067	18.277	104	50 - 200	-0.001	+/-0.50	
Chrysene-d12	154154	23.353	148146	23.354	104	50 - 200	-0.001	+/-0.50	
Di-n-Octylphthalate-d4	339183	24.399	308009	24.407	110	50 - 200	-0.008	+/-0.50	
Perylene-d12	108547	26.04	115550	26.041	94	50 - 200	-0.001	+/-0.50	



HOLDING TIME SUMMARY

Analysis: EPA 8270E

Laboratory: Analytical Resources, LLC

SDG: 22F0267

Client: GeoEngineers

Project: RG Haley Site-Bellingham

Sample Name	Date Collected	Date Received	Date Prepared	Days to Prep	Max Days to Prep	Date Analyzed	Days to Analysis	Max Days to Analysis	Q
Z1A-3-MS 22F0267-01	06/14/22 13:00	06/16/22 10:54	06/21/22 13:45	7	14	06/30/22 18:05	9	40	
Z1A-6-MS 22F0267-03	06/14/22 13:10	06/16/22 10:54	06/21/22 13:45	7	14	06/30/22 20:02	9	40	
Z1A-9-MS 22F0267-05	06/15/22 10:20	06/16/22 10:54	06/21/22 13:45	6	14	06/30/22 20:41	9	40	
Z1A-12-MS 22F0267-07	06/15/22 09:55	06/16/22 10:54	06/21/22 13:45	6	14	06/30/22 21:20	9	40	
Z1A-3-PW 22F0267-09	06/14/22 13:30	06/16/22 10:54	06/20/22 19:17	6	7	06/22/22 17:19	2	40	
Z1A-6-PW 22F0267-10	06/14/22 13:40	06/16/22 10:54	06/20/22 19:17	6	7	06/22/22 17:53	2	40	
Z1A-9-PW 22F0267-11	06/15/22 10:30	06/16/22 10:54	06/20/22 19:17	5	7	06/22/22 18:26	2	40	
Z1A-12-PW 22F0267-12	06/15/22 10:00	06/16/22 10:54	06/20/22 19:17	5	7	06/22/22 19:00	2	40	
DUP-1-MS 22F0267-13	06/14/22 10:20	06/16/22 10:54	06/21/22 13:45	7	14	06/30/22 21:59	9	40	
DUP-1-PW 22F0267-15	06/15/22 12:30	06/16/22 10:54	06/20/22 19:17	5	7	06/22/22 19:33	2	40	
Z1B-1-MS 22F0267-16	06/14/22 10:15	06/16/22 10:54	06/21/22 13:45	7	14	06/30/22 22:38	9	40	
Z1B-2-MS 22F0267-18	06/14/22 10:30	06/16/22 10:54	06/21/22 13:45	7	14	06/30/22 23:17	9	40	
Z1B-3-MS 22F0267-20	06/14/22 15:05	06/16/22 10:54	06/21/22 13:45	6	14	06/30/22 23:56	9	40	
Z1B-4-MS 22F0267-22	06/15/22 09:45	06/16/22 10:54	06/21/22 13:45	6	14	07/01/22 00:35	9	40	
Z1B-1-PW 22F0267-24	06/14/22 11:10	06/16/22 10:54	06/20/22 19:17	6	7	06/22/22 20:07	2	40	
Z1B-2-PW 22F0267-25	06/14/22 11:50	06/16/22 10:54	06/20/22 19:17	6	7	06/22/22 20:40	2	40	
Z1B-3-PW 22F0267-26	06/15/22 09:40	06/16/22 10:54	06/20/22 19:17	5	7	06/22/22 21:14	2	40	
Z1B-4-PW 22F0267-27	06/15/22 09:50	06/16/22 10:54	06/20/22 19:17	5	7	06/24/22 15:29	4	40	
Matrix Spike BKF0469-MS1	06/14/22 13:00	06/16/22 10:54	06/21/22 13:45	7	14	06/30/22 18:44	9	40	
Matrix Spike Dup BKF0469-MSD1	06/14/22 13:00	06/16/22 10:54	06/21/22 13:45	7	14	06/30/22 19:23	9	40	

* Indicates hold time exceedance.



METHOD DETECTION AND REPORTING LIMITS

EPA 8270E

Laboratory: Analytical Resources, LLC

SDG: 22F0267

Client: GeoEngineers

Project: RG Haley Site-Bellingham

Matrix: Solid

Instrument: NT10

Analyte	MDL	RL	Units
Naphthalene	4.2	20.0	ug/kg
2-Methylnaphthalene	4.5	20.0	ug/kg
Acenaphthene	5.2	20.0	ug/kg
Pentachlorophenol	31.3	100	ug/kg
Phenanthrene	8.7	20.0	ug/kg
Fluoranthene	6.1	20.0	ug/kg
Benzo(a)anthracene	6.0	20.0	ug/kg
Chrysene	6.1	20.0	ug/kg
Benzo(b)fluoranthene	7.0	20.0	ug/kg
Benzo(k)fluoranthene	5.0	20.0	ug/kg
Benzo(a)pyrene	4.2	20.0	ug/kg
Indeno(1,2,3-cd)pyrene	14.7	20.0	ug/kg
Dibenzo(a,h)anthracene	17.2	20.0	ug/kg
1-Methylnaphthalene	5.3	20.0	ug/kg



**METHOD DETECTION
AND REPORTING LIMITS**

EPA 8270E

Laboratory: Analytical Resources, LLC

SDG: 22F0267

Client: GeoEngineers

Project: RG Haley Site-Bellingham

Matrix: Water

Instrument: NT10

Analyte	MDL	RL	Units
Phenol	0.01	0.2	ug/L
bis(2-chloroethyl) ether	0.03	0.2	ug/L
2-Chlorophenol	0.03	0.2	ug/L
1,3-Dichlorobenzene	0.03	0.2	ug/L
1,4-Dichlorobenzene	0.03	0.2	ug/L
1,2-Dichlorobenzene	0.03	0.2	ug/L
Benzyl Alcohol	0.02	0.2	ug/L
2,2'-Oxybis(1-chloropropane)	0.03	0.2	ug/L
2-Methylphenol	0.03	0.2	ug/L
Hexachloroethane	0.04	0.2	ug/L
N-Nitroso-di-n-Propylamine	0.04	0.2	ug/L
4-Methylphenol	0.03	0.2	ug/L
Nitrobenzene	0.03	0.2	ug/L
Isophorone	0.03	0.2	ug/L
2-Nitrophenol	0.04	1.0	ug/L
2,4-Dimethylphenol	0.3	1.0	ug/L
Bis(2-Chloroethoxy)methane	0.03	0.2	ug/L
2,4-Dichlorophenol	0.1	1.0	ug/L
1,2,4-Trichlorobenzene	0.03	0.2	ug/L
Naphthalene	0.03	0.2	ug/L
Benzoic acid	0.1	2.0	ug/L
4-Chloroaniline	0.04	1.0	ug/L
Hexachlorobutadiene	0.04	0.2	ug/L
4-Chloro-3-Methylphenol	0.1	1.0	ug/L
2-Methylnaphthalene	0.03	0.2	ug/L
Hexachlorocyclopentadiene	0.1	1.0	ug/L
2,4,6-Trichlorophenol	0.2	1.0	ug/L
2,4,5-Trichlorophenol	0.1	1.0	ug/L
2-Chloronaphthalene	0.03	0.2	ug/L
2-Nitroaniline	0.2	1.0	ug/L
Acenaphthylene	0.02	0.2	ug/L
Dimethylphthalate	0.04	0.2	ug/L
2,6-Dinitrotoluene	0.2	1.0	ug/L
Acenaphthene	0.03	0.2	ug/L
3-Nitroaniline	0.2	1.0	ug/L
2,4-Dinitrophenol	0.2	2.0	ug/L



METHOD DETECTION AND REPORTING LIMITS

EPA 8270E

Laboratory: Analytical Resources, LLC

SDG: 22F0267

Client: GeoEngineers

Project: RG Haley Site-Bellingham

Matrix: Water

Instrument: NT10

Analyte	MDL	RL	Units
Dibenzofuran	0.02	0.2	ug/L
4-Nitrophenol	0.06	1.0	ug/L
2,4-Dinitrotoluene	0.1	1.0	ug/L
Fluorene	0.02	0.2	ug/L
4-Chlorophenylphenyl ether	0.02	0.2	ug/L
Diethyl phthalate	0.06	0.2	ug/L
4-Nitroaniline	0.2	1.0	ug/L
4,6-Dinitro-2-methylphenol	0.4	2.0	ug/L
N-Nitrosodiphenylamine	0.03	0.2	ug/L
4-Bromophenyl phenyl ether	0.02	0.2	ug/L
Hexachlorobenzene	0.04	0.2	ug/L
Pentachlorophenol	0.1	1.0	ug/L
Phenanthrene	0.02	0.2	ug/L
Anthracene	0.03	0.2	ug/L
Carbazole	0.04	0.2	ug/L
Di-n-Butylphthalate	0.05	0.2	ug/L
Fluoranthene	0.03	0.2	ug/L
Pyrene	0.03	0.2	ug/L
Butylbenzylphthalate	0.07	0.2	ug/L
Benzo(a)anthracene	0.04	0.2	ug/L
3,3'-Dichlorobenzidine	0.3	1.0	ug/L
Chrysene	0.04	0.2	ug/L
bis(2-Ethylhexyl)phthalate	0.2	0.2	ug/L
Di-n-Octylphthalate	0.05	0.2	ug/L
Benzo(a)fluoranthenes, Total	0.08	0.4	ug/L
Benzo(a)pyrene	0.05	0.2	ug/L
Indeno(1,2,3-cd)pyrene	0.06	0.2	ug/L
Dibenzo(a,h)anthracene	0.07	0.2	ug/L
Benzo(g,h,i)perylene	0.04	0.2	ug/L
1-Methylnaphthalene	0.03	0.2	ug/L



METHOD DETECTION AND REPORTING LIMITS

EPA 8270E

Laboratory: Analytical Resources, LLC

SDG: 22F0267

Client: GeoEngineers

Project: RG Haley Site-Bellingham

Matrix: Water

Instrument: NT6

Analyte	MDL	RL	Units
Naphthalene	0.2	1.0	ug/L
2-Methylnaphthalene	0.2	1.0	ug/L
Acenaphthene	0.3	1.0	ug/L
Pentachlorophenol	2.6	10.0	ug/L
Phenanthrene	0.2	1.0	ug/L
Fluoranthene	0.4	1.0	ug/L
Benzo(a)anthracene	0.4	1.0	ug/L
Chrysene	0.4	1.0	ug/L
Benzo(b)fluoranthene	0.4	1.0	ug/L
Benzo(k)fluoranthene	0.4	1.0	ug/L
Benzo(a)pyrene	0.5	1.0	ug/L
Indeno(1,2,3-cd)pyrene	0.4	1.0	ug/L
Dibenzo(a,h)anthracene	0.4	1.0	ug/L
1-Methylnaphthalene	0.3	1.0	ug/L

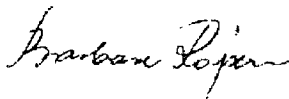
Certificate of Analysis

I 8227

SIGMA-ALDRICH

Product Name Pentachlorophenol,
97%
Product Number P2604
Product Brand ALDRICH
CAS Number 87-86-5
Molecular Formula C₆Cl₅OH
Molecular Weight 266.34

TEST	SPECIFICATION	LOT 07119HO RESULTS
APPEARANCE	WHITE TO OFF-WHITE OR LIGHT BLUE POWDER	OFF-WHITE POWDER
INFRARED SPECTRUM	CONFORMS TO STRUCTURE.	CONFORMS TO STRUCTURE AND STANDARD
TITRATION	97.5% - 102.5% (WITH AGNO ₃ AFTER OXYGEN)	100.5 % (WITH AGNO ₃ AFTER OXYGEN COMBUSTION)
GAS LIQUID CHROMATOGRAPHY	97.5% (MINIMUM)	99.9 %
SOLUBILITY		100 MG/ML, 95% ETOH: VERY HAZY, FAINT YELLOW SOLUTION
QUALITY CONTROL		JUNE 2001
ACCEPTANCE DATE		



Barbara Rajzer, Supervisor
 Quality Control
 Milwaukee, Wisconsin USA



Description: SVOC 4,4 DDT
 Standard Type: Calibration Stan
 Solvent: N/A
 Final Volume (mls): 1
 Vials: 1
 Vendor: Chem Service
 Vendor Catalog #:

Expires: 31-Dec-29
 Prepared: 23-Sep-13
 Prepared By: Jianqing Zhou
 Department: Organics
 Last Edit: 23-Sep-13 11:46 by JZ
 Lot #: 198-128A

Comments

Neat, Purity @ 99.2%. (ARI#: 790A)

Analyte	CAS Number	Concentration	Units
4,4'-DDT	50-29-3	1000000	ug/mL