

Dataset: Untitled

Last Altered: Friday, June 23, 2023 08:10:15 Pacific Daylight Time
Printed: Friday, June 23, 2023 08:10:39 Pacific Daylight Time

Method: C:\MassLynx\Default.pro\Methdb\CPSM.mdb 24 May 2023 17:45:01

Calibration: C:\MassLynx\DEFAULT.PRO\CurveDB\BDDIOXIN_1613vg12-6-21-23.cdb 22 Jun 2023 08:14:04

Name: 230622R2_1, Date: 22-Jun-2023, Time: 13:10:10, ID: ST230622R2_1 1613 CS3 23E1003, Description: 1613 CS3 23E1003

#	Name	RT
1	1.3.6.8-TCDD (First)	23.30
2	2.1.2.8.9-TCDD (Last)	27.45
3	3.1.2.4.7.9-PeCDD (First)	28.83
4	4.1.2.3.8.9-PeCDD (Last)	31.26
5	5.1.2.4.6.7.9-HxCDD (First)	32.54
6	6.1.2.3.7.8.9-HxCDD (Last)	34.65
7	7.1.2.3.4.6.7.9-HpCDD (First)	37.14
8	8.1.2.3.4.6.7.8-HpCDD (Last)	38.01
9	9.1.3.6.8-TCDF (First)	21.18
10	10.1.2.8.9-TCDF (Last)	27.76
11	11.1.3.4.6.8-PeCDF (First)	27.33
12	12.1.2.3.8.9-PeCDF (Last)	31.61
13	13.1.2.3.4.6.8-HxCDF (First)	32.00
14	14.1.2.3.7.8.9-HxCDF (Last)	35.20
15	15.1.2.3.4.6.7.8-HpCDF (First)	36.81
16	16.1.2.3.4.7.8.9-HpCDF (Last)	38.72

Quantify Sample Report

Enthalpy Analytical EDH VG-12

MassLynx 4.1 SCN815

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Name: 230622R2_1, Date: 22-Jun-2023, Time: 13:10:10, ID: ST230622R2_1 1613 CS3 23E1003, Description: 1613 CS3 23E1003

1,3,6,8-TCDD (First)

230622R2_1
100
26.46
1.74e4

F1: Voltage SIR EI+
319.8965
2.740e+005

26.36
1.08e4
25%

230622R2_1

100
26.44
1.84e4

F1: Voltage SIR EI+
321.894
3.255e+005

26.36
1.42e4

Quantify Sample Report

MassLynx 4.1 SCN815
Enthalpy Analytical EDH VG-12

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Name: 230622R2_1, Date: 22-Jun-2023, Time: 13:10:10, ID: ST230622R2_1 1613 CS3 23E1003, Description: 1613 CS3 23E1003

1,3,6,8-TCDF (First)

230622R2_1



230622R2_1

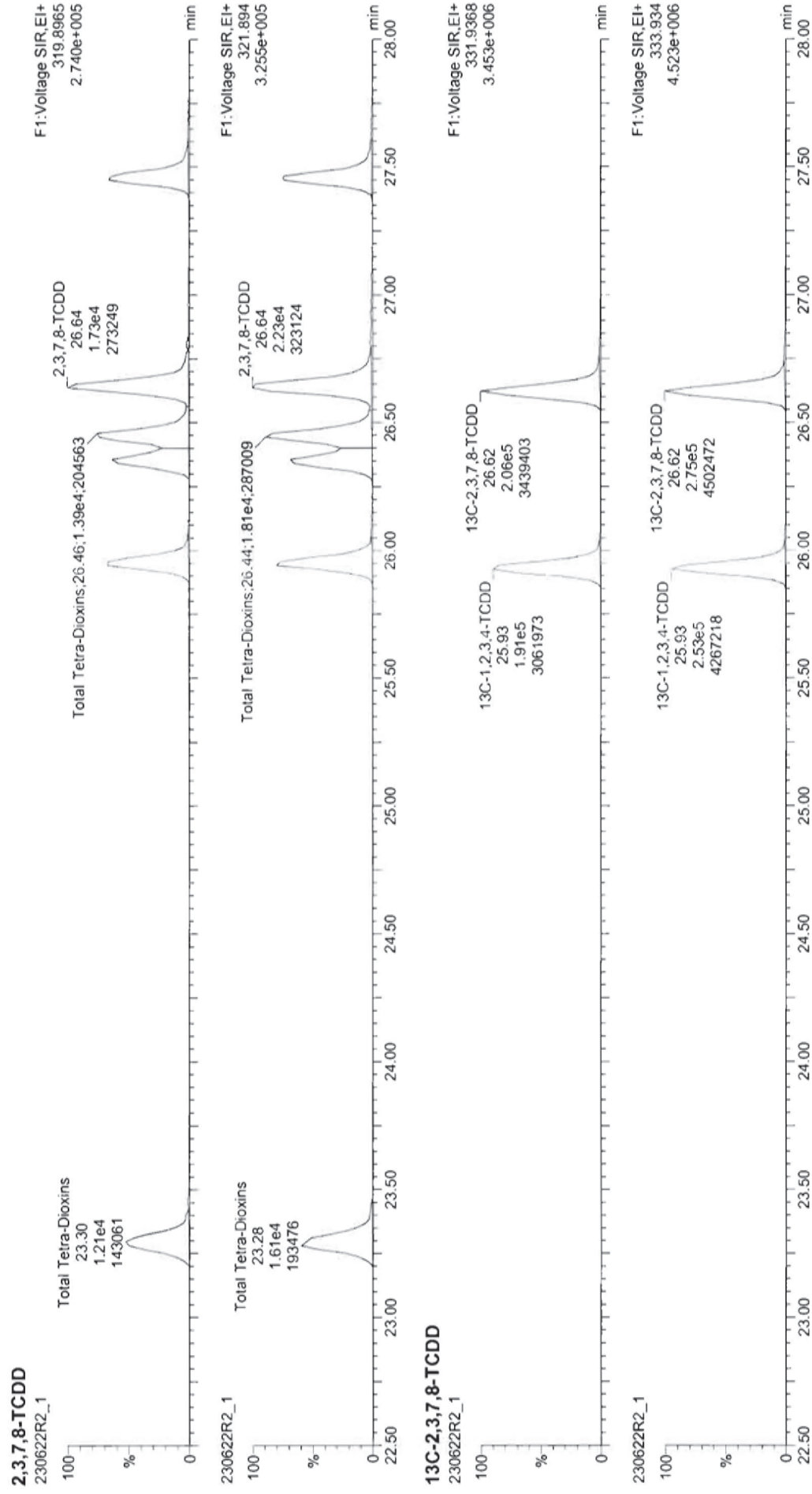


Dataset: Untitled

Last Altered: Friday, June 23, 2023 08:20:11 Pacific Daylight Time
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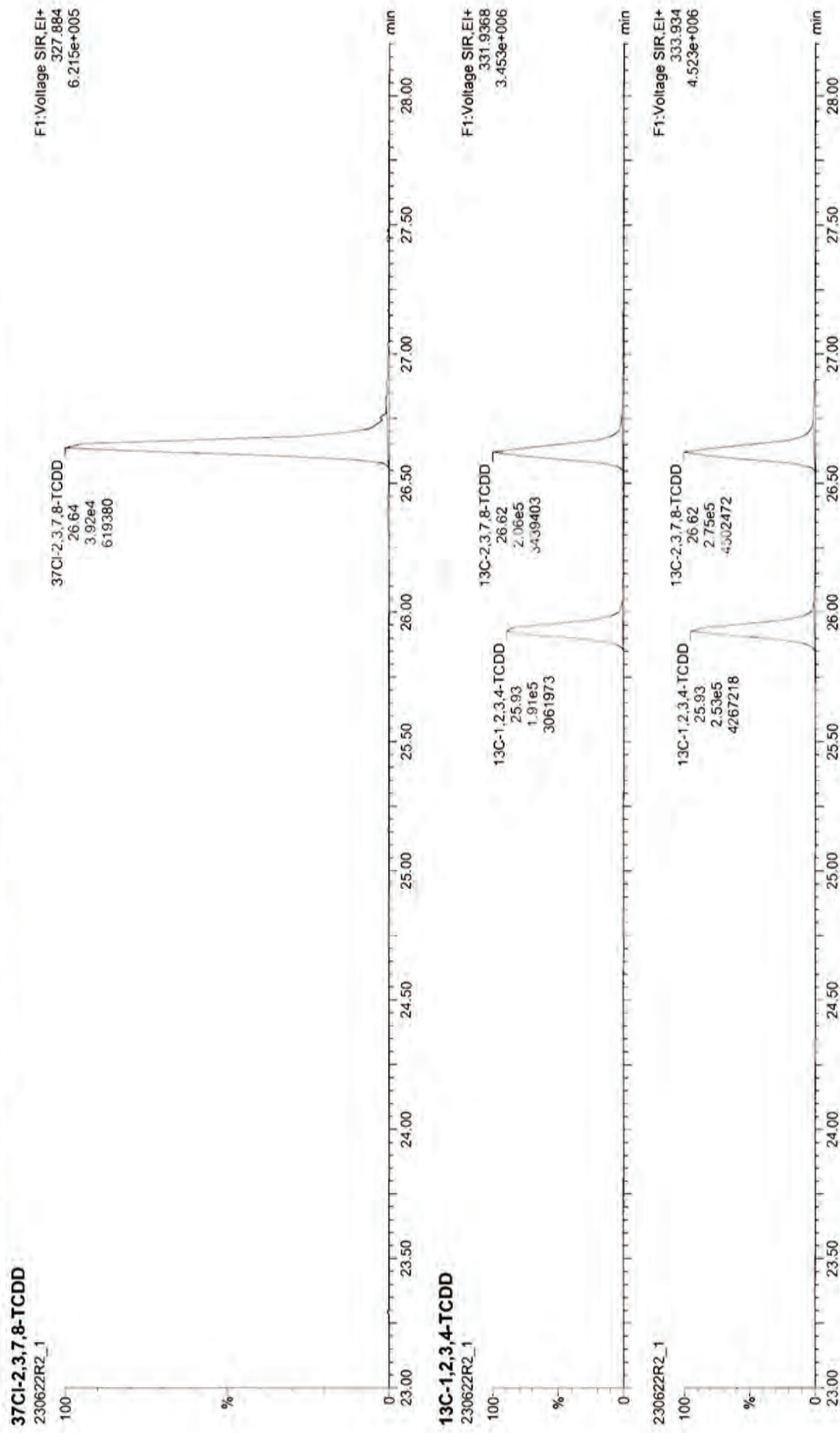
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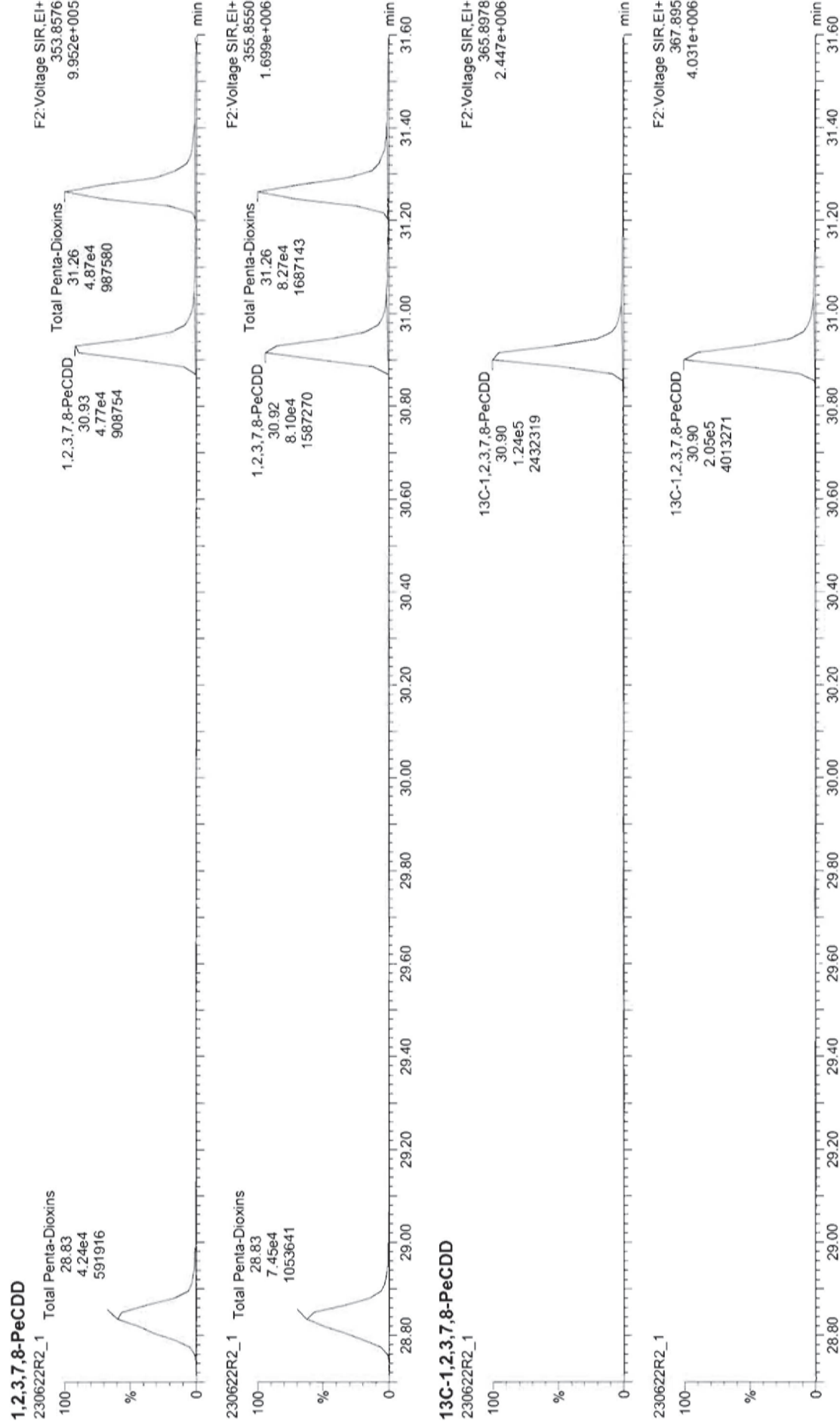
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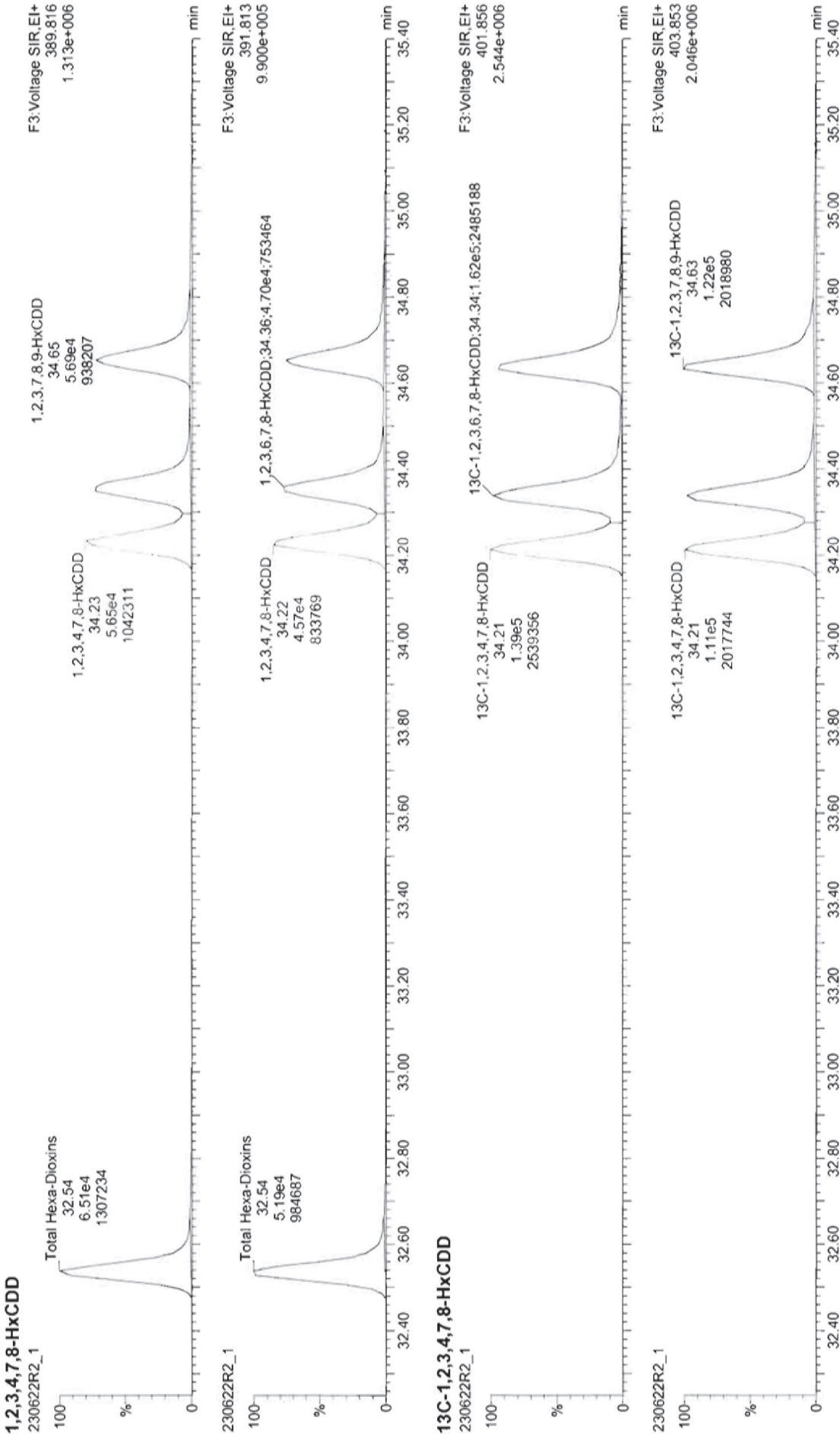
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Dataset: Untitled

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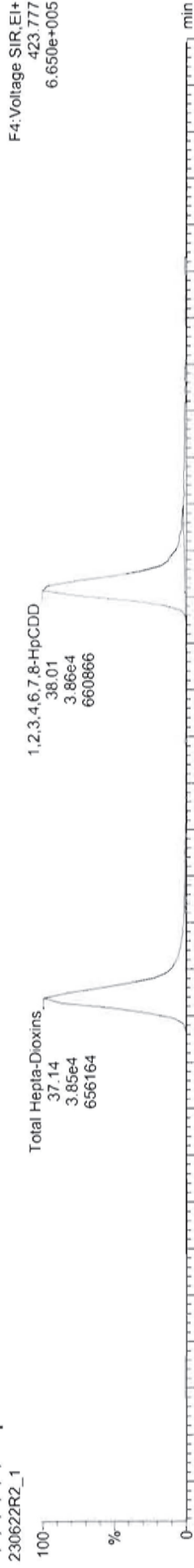


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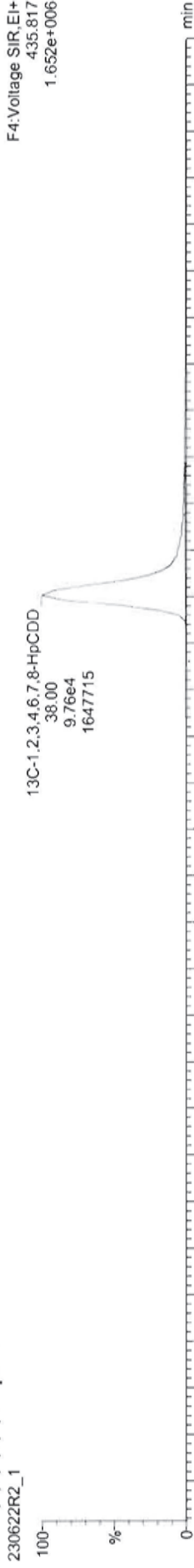
1,2,3,4,6,7,8-HpCDD



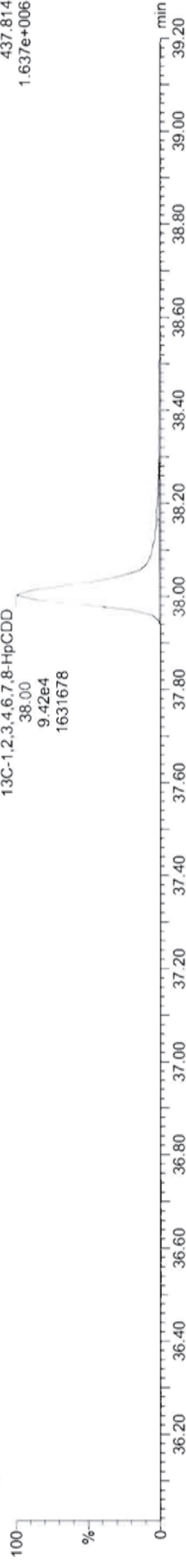
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13C-1,2,3,4,6,7,8-HpCDD



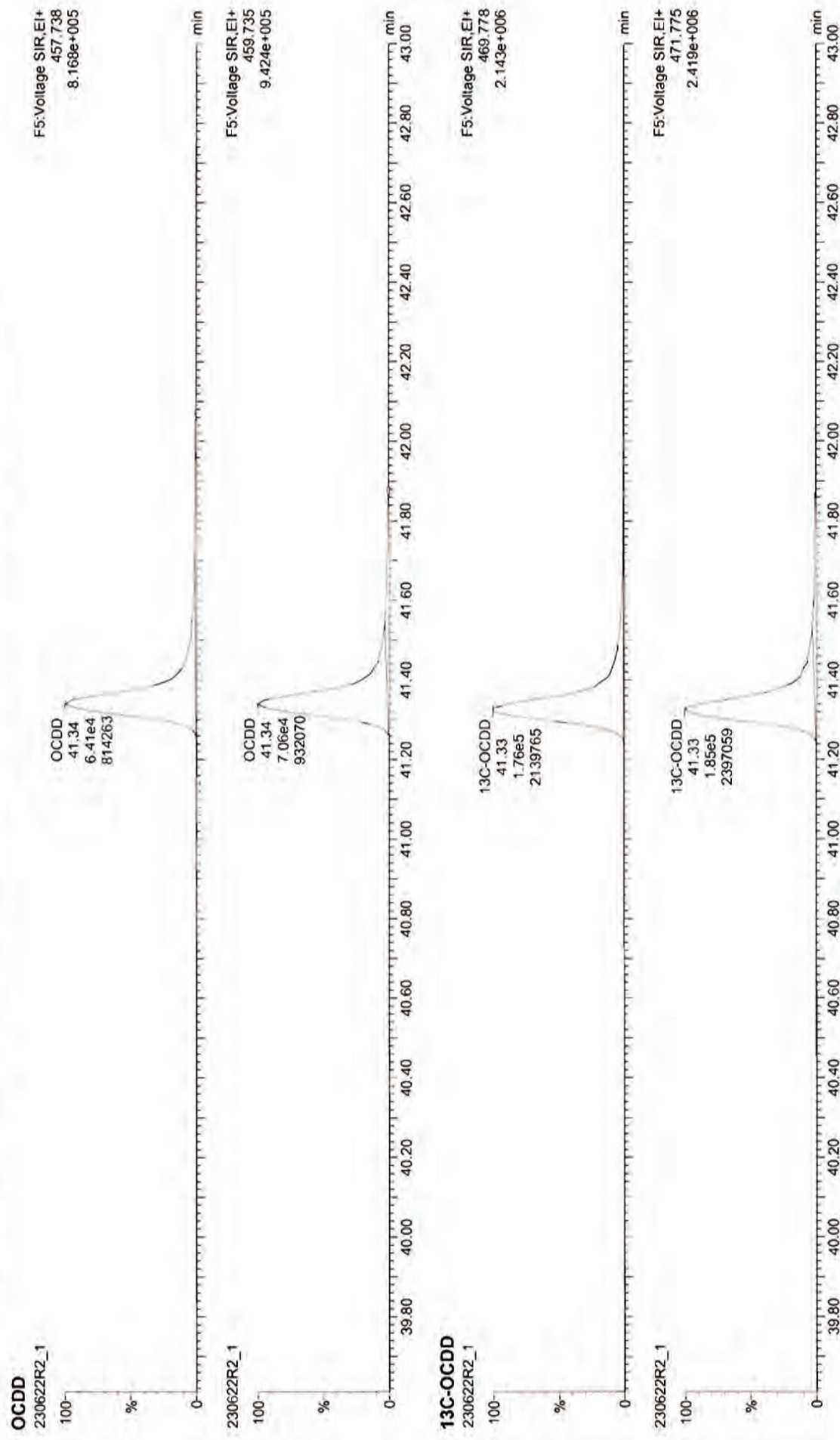
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Dataset: Untitled

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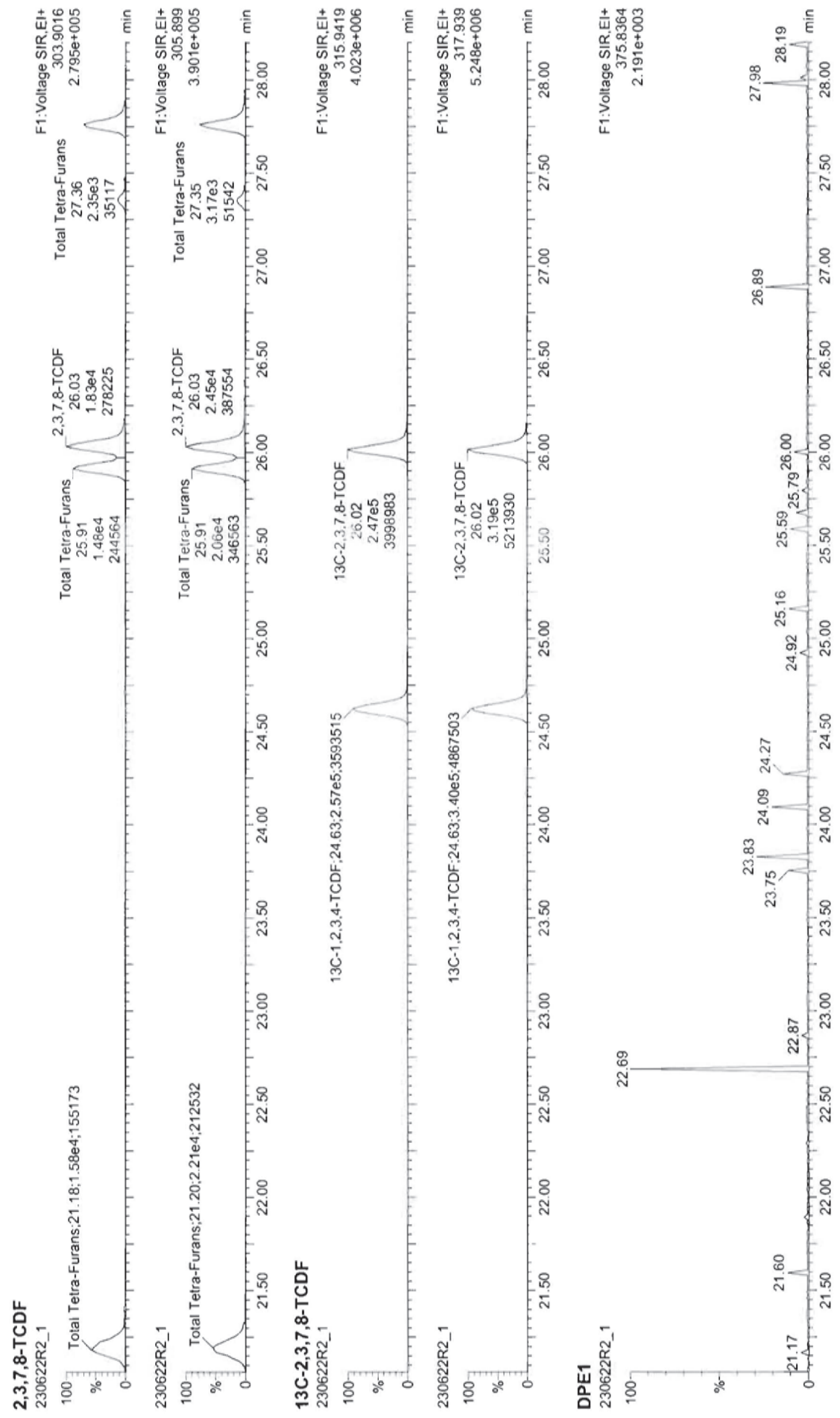
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Dataset: Untitled

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Name: 230622R2_1, Date: 22-Jun-2023, Time: 13:10:10, ID: ST230622R2_1 1613 CS3 23E1003, Description: 1613 CS3 23E1003



Dataset: Untitled

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Name: 230622R2_1, Date: 22-Jun-2023, Time: 13:10:10, ID: ST230622R2_1 1613 CS3 23E1003, Description: 1613 CS3 23E1003

1st Func. Penta-Furans



230622R2_1



DPE6

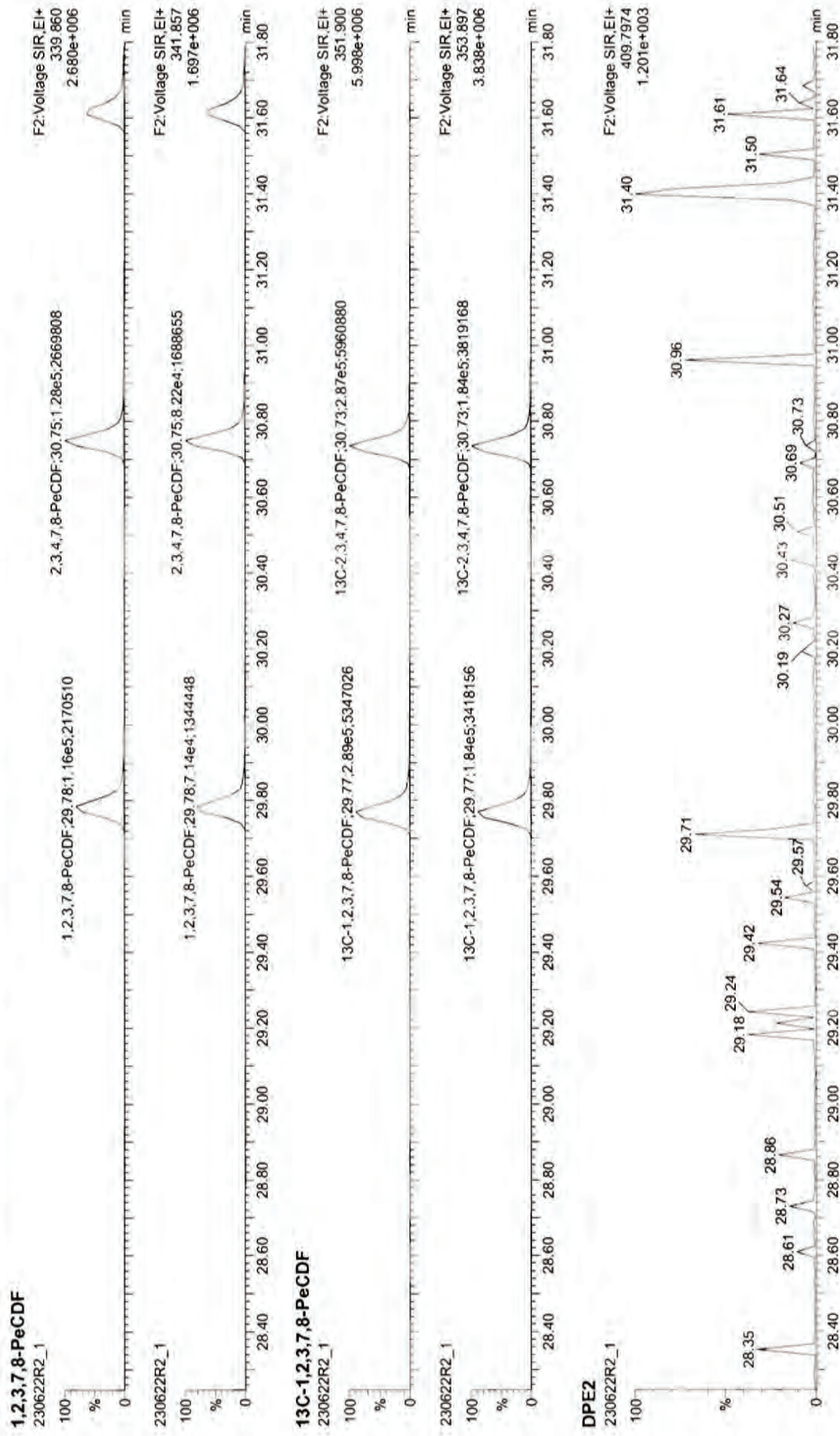
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Dataset: Untitled

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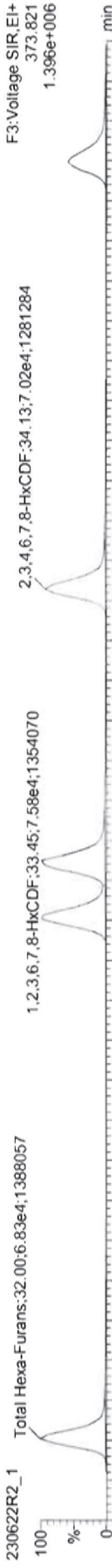


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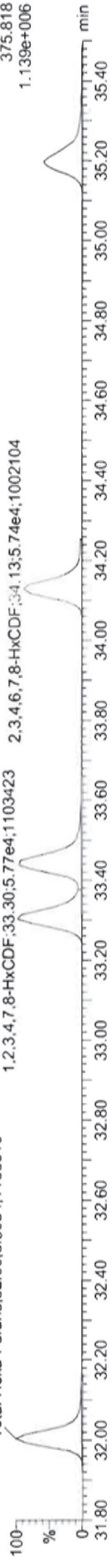
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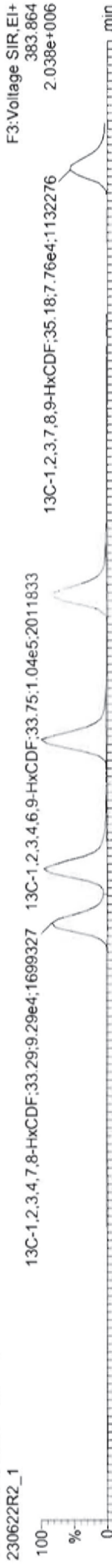
1,2,3,4,7,8-HxCDF



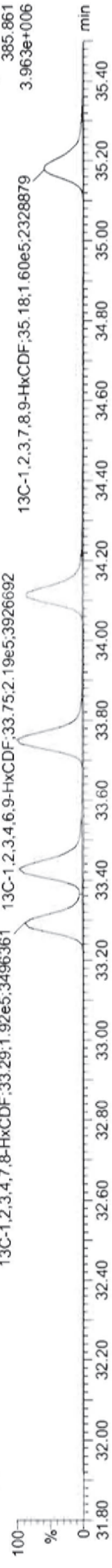
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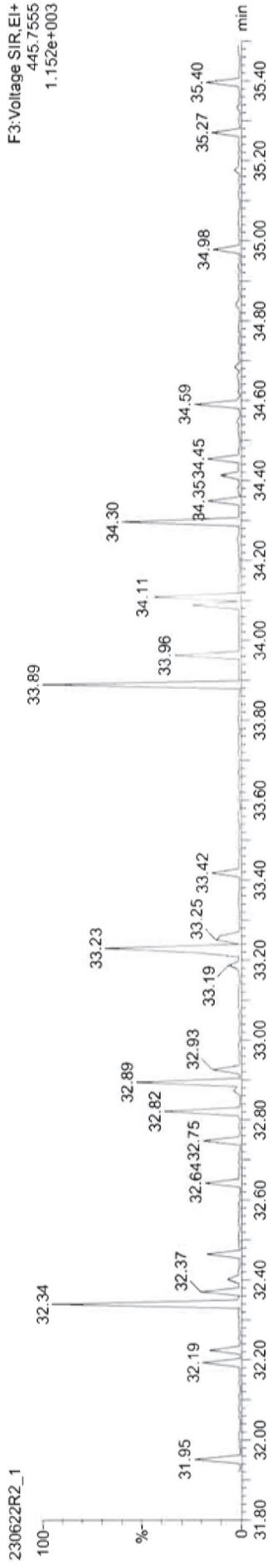
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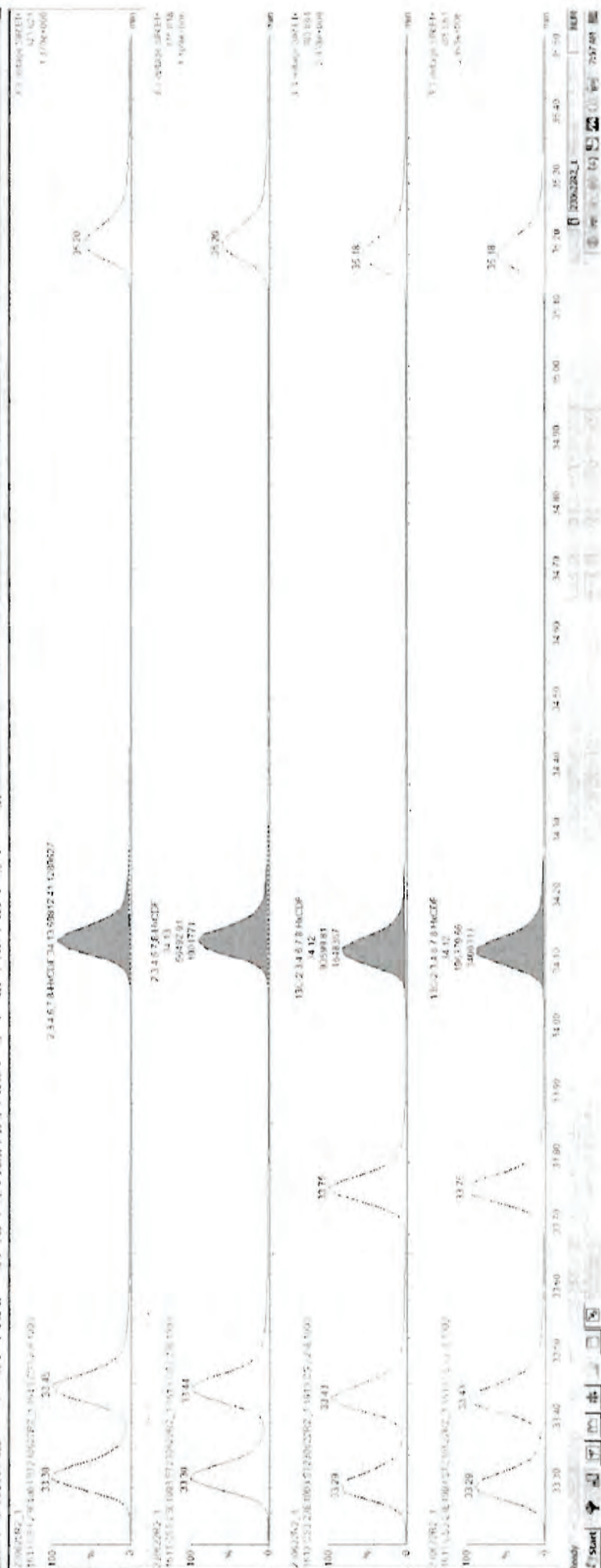


DPE3



#	Name	Step	Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15	Q16	Q17	Q18	Q19	Q20	Q21	Q22	Q23	Q24	Q25	Q26	Q27	Q28	Q29	Q30	Q31	Q32	Q33	Q34	Q35	Q36	Q37	Q38	Q39	Q40	Q41	Q42	Q43	Q44	Q45	Q46	Q47	Q48	Q49	Q50	Q51	Q52	Q53	Q54	Q55	Q56	Q57	Q58	Q59	Q60	Q61	Q62	Q63	Q64	Q65	Q66	Q67	Q68	Q69	Q70	Q71	Q72	Q73	Q74	Q75	Q76	Q77	Q78	Q79	Q80	Q81	Q82	Q83	Q84	Q85	Q86	Q87	Q88	Q89	Q90	Q91	Q92	Q93	Q94	Q95	Q96	Q97	Q98	Q99	Q100	Q101	Q102	Q103	Q104	Q105	Q106	Q107	Q108	Q109	Q110	Q111	Q112	Q113	Q114	Q115	Q116	Q117	Q118	Q119	Q120	Q121	Q122	Q123	Q124	Q125	Q126	Q127	Q128	Q129	Q130	Q131	Q132	Q133	Q134	Q135	Q136	Q137	Q138	Q139	Q140	Q141	Q142	Q143	Q144	Q145	Q146	Q147	Q148	Q149	Q150	Q151	Q152	Q153	Q154	Q155	Q156	Q157	Q158	Q159	Q160	Q161	Q162	Q163	Q164	Q165	Q166	Q167	Q168	Q169	Q170	Q171	Q172	Q173	Q174	Q175	Q176	Q177	Q178	Q179	Q180	Q181	Q182	Q183	Q184	Q185	Q186	Q187	Q188	Q189	Q190	Q191	Q192	Q193	Q194	Q195	Q196	Q197	Q198	Q199	Q200	Q201	Q202	Q203	Q204	Q205	Q206	Q207	Q208	Q209	Q210	Q211	Q212	Q213	Q214	Q215	Q216	Q217	Q218	Q219	Q220	Q221	Q222	Q223	Q224	Q225	Q226	Q227	Q228	Q229	Q230	Q231	Q232	Q233	Q234	Q235	Q236	Q237	Q238	Q239	Q240	Q241	Q242	Q243	Q244	Q245	Q246	Q247	Q248	Q249	Q250	Q251	Q252	Q253	Q254	Q255	Q256	Q257	Q258	Q259	Q260	Q261	Q262	Q263	Q264	Q265	Q266	Q267	Q268	Q269	Q270	Q271	Q272	Q273	Q274	Q275	Q276	Q277	Q278	Q279	Q280	Q281	Q282	Q283	Q284	Q285	Q286	Q287	Q288	Q289	Q290	Q291	Q292	Q293	Q294	Q295	Q296	Q297	Q298	Q299	Q300	Q301	Q302	Q303	Q304	Q305	Q306	Q307	Q308	Q309	Q310	Q311	Q312	Q313	Q314	Q315	Q316	Q317	Q318	Q319	Q320	Q321	Q322	Q323	Q324	Q325	Q326	Q327	Q328	Q329	Q330	Q331	Q332	Q333	Q334	Q335	Q336	Q337	Q338	Q339	Q340	Q341	Q342	Q343	Q344	Q345	Q346	Q347	Q348	Q349	Q350	Q351	Q352	Q353	Q354	Q355	Q356	Q357	Q358	Q359	Q360	Q361	Q362	Q363	Q364	Q365	Q366	Q367	Q368	Q369	Q370	Q371	Q372	Q373	Q374	Q375	Q376	Q377	Q378	Q379	Q380	Q381	Q382	Q383	Q384	Q385	Q386	Q387	Q388	Q389	Q390	Q391	Q392	Q393	Q394	Q395	Q396	Q397	Q398	Q399	Q400	Q401	Q402	Q403	Q404	Q405	Q406	Q407	Q408	Q409	Q410	Q411	Q412	Q413	Q414	Q415	Q416	Q417	Q418	Q419	Q420	Q421	Q422	Q423	Q424	Q425	Q426	Q427	Q428	Q429	Q430	Q431	Q432	Q433	Q434	Q435	Q436	Q437	Q438	Q439	Q440	Q441	Q442	Q443	Q444	Q445	Q446	Q447	Q448	Q449	Q450	Q451	Q452	Q453	Q454	Q455	Q456	Q457	Q458	Q459	Q460	Q461	Q462	Q463	Q464	Q465	Q466	Q467	Q468	Q469	Q470	Q471	Q472	Q473	Q474	Q475	Q476	Q477	Q478	Q479	Q480	Q481	Q482	Q483	Q484	Q485	Q486	Q487	Q488	Q489	Q490	Q491	Q492	Q493	Q494	Q495	Q496	Q497	Q498	Q499	Q500	Q501	Q502	Q503	Q504	Q505	Q506	Q507	Q508	Q509	Q510	Q511	Q512	Q513	Q514	Q515	Q516	Q517	Q518	Q519	Q520	Q521	Q522	Q523	Q524	Q525	Q526	Q527	Q528	Q529	Q530	Q531	Q532	Q533	Q534	Q535	Q536	Q537	Q538	Q539	Q540	Q541	Q542	Q543	Q544	Q545	Q546	Q547	Q548	Q549	Q550	Q551	Q552	Q553	Q554	Q555	Q556	Q557	Q558	Q559	Q560	Q561	Q562	Q563	Q564	Q565	Q566	Q567	Q568	Q569	Q570	Q571	Q572	Q573	Q574	Q575	Q576	Q577	Q578	Q579	Q580	Q581	Q582	Q583	Q584	Q585	Q586	Q587	Q588	Q589	Q590	Q591	Q592	Q593	Q594	Q595	Q596	Q597	Q598	Q599	Q600	Q601	Q602	Q603	Q604	Q605	Q606	Q607	Q608	Q609	Q610	Q611	Q612	Q613	Q614	Q615	Q616	Q617	Q618	Q619	Q620	Q621	Q622	Q623	Q624	Q625	Q626	Q627	Q628	Q629	Q630	Q631	Q632	Q633	Q634	Q635	Q636	Q637	Q638	Q639	Q640	Q641	Q642	Q643	Q644	Q645	Q646	Q647	Q648	Q649	Q650	Q651	Q652	Q653	Q654	Q655	Q656	Q657	Q658	Q659	Q660	Q661	Q662	Q663	Q664	Q665	Q666	Q667	Q668	Q669	Q670	Q671	Q672	Q673	Q674	Q675	Q676	Q677	Q678	Q679	Q680	Q681	Q682	Q683	Q684	Q685	Q686	Q687	Q688	Q689	Q690	Q691	Q692	Q693	Q694	Q695	Q696	Q697	Q698	Q699	Q700	Q701	Q702	Q703	Q704	Q705	Q706	Q707	Q708	Q709	Q710	Q711	Q712	Q713	Q714	Q715	Q716	Q717	Q718	Q719	Q720	Q721	Q722	Q723	Q724	Q725	Q726	Q727	Q728	Q729	Q730	Q731	Q732	Q733	Q734	Q735	Q736	Q737	Q738	Q739	Q740	Q741	Q742	Q743	Q744	Q745	Q746	Q747	Q748	Q749	Q750	Q751	Q752	Q753	Q754	Q755	Q756	Q757	Q758	Q759	Q760	Q761	Q762	Q763	Q764	Q765	Q766	Q767	Q768	Q769	Q770	Q771	Q772	Q773	Q774	Q775	Q776	Q777	Q778	Q779	Q780	Q781	Q782	Q783	Q784	Q785	Q786	Q787	Q788	Q789	Q790	Q791	Q792	Q793	Q794	Q795	Q796	Q797	Q798	Q799	Q800	Q801	Q802	Q803	Q804	Q805	Q806	Q807	Q808	Q809	Q810	Q811	Q812	Q813	Q814	Q815	Q816	Q817	Q818	Q819	Q820	Q821	Q822	Q823	Q824	Q825	Q826	Q827	Q828	Q829	Q830	Q831	Q832	Q833	Q834	Q835	Q836	Q837	Q838	Q839	Q840	Q841	Q842	Q843	Q844	Q845	Q846	Q847	Q848	Q849	Q850	Q851	Q852	Q853	Q854	Q855	Q856	Q857	Q858	Q859	Q860	Q861	Q862	Q863	Q864	Q865	Q866	Q867	Q868	Q869	Q870	Q871	Q872	Q873	Q874	Q875	Q876	Q877	Q878	Q879	Q880	Q881	Q882	Q883	Q884	Q885	Q886	Q887	Q888	Q889	Q890	Q891	Q892	Q893	Q894	Q895	Q896	Q897	Q898	Q899	Q900	Q901	Q902	Q903	Q904	Q905	Q906	Q907	Q908	Q909	Q910	Q911	Q912	Q913	Q914	Q915	Q916	Q917	Q918	Q919	Q920	Q921	Q922	Q923	Q924	Q925	Q926	Q927	Q928	Q929	Q930	Q931	Q932	Q933	Q934	Q935	Q936	Q937	Q938	Q939	Q940	Q941	Q942	Q943	Q944	Q945	Q946	Q947	Q948	Q949	Q950	Q951	Q952	Q953	Q954	Q955	Q956	Q957	Q958	Q959	Q960	Q961	Q962	Q963	Q964	Q965	Q966	Q967	Q968	Q969	Q970	Q971	Q972	Q973	Q974	Q975	Q976	Q977	Q978	Q979	Q980	Q981	Q982	Q983	Q984	Q985	Q986	Q987	Q988	Q989	Q990	Q991	Q992	Q993	Q994	Q995	Q996	Q997	Q998	Q999	Q1000	Q1001	Q1002	Q1003	Q1004	Q1005	Q1006	Q1007	Q1008	Q1009	Q1010	Q1011	Q1012	Q1013	Q1014	Q1015	Q1016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#	Name	Resp.	ES Range	PreA	SA	MSF	PreA/MSF	RT	RT/PreA	PreA/MSF	Conc.	%Sec	STD err
1	1 1 2 1 7 8 100C	1.92e5	4.71e5	0.77	0.75	M0	8.8109	26.67	36.64	M0	1.031	16.2	M0
2	1 1 2 1 7 8 60C100	1.29e5	3.79e5	0.63	0.53	M0	8.8076	32.92	M0	1.031	10.3	52.6	M0
3	1 1 2 1 7 8 50C100	1.02e5	2.62e5	1.24	1.24	M0	8.7725	34.62	42.23	M0	1.031	52.6	116
4	1 1 2 1 7 8 40C100	1.07e5	2.89e5	1.24	1.28	M0	8.7746	34.36	40.2	M0	1.031	1.90	52.7
5	1 1 2 1 7 8 30C100	1.02e5	2.89e5	1.24	1.23	M0	8.7169	34.66	M0	1.031	51.3	164	M0
6	1 1 2 1 7 8 20C100	1.02e5	2.89e5	1.24	1.23	M0	8.7451	34.01	34.01	M0	1.031	54.5	166
7	1 1 2 1 7 8 10C100	1.29e5	1.93e5	1.64	0.92	M0	8.7054	41.26	41.26	M0	1.031	1.00	102
8	1 2 3 7 8 100C	1.29e5	3.79e5	0.88	0.81	M0	8.6841	41.26	41.26	M0	1.031	11.1	M0
9	1 2 3 7 8 100C100	1.07e5	3.59e5	0.72	0.75	M0	8.6841	46.04	46.04	M0	1.031	11.1	M0
10	1 1 2 1 7 8 60C100	1.07e5	4.71e5	1.53	1.60	M0	8.6864	25.78	25.78	M0	1.031	1.00	50.5
11	1 1 2 1 7 8 50C100	1.29e5	4.71e5	1.53	1.45	M0	8.7752	26.78	26.78	M0	1.031	5.7	115
12	1 1 2 1 7 8 40C100	1.29e5	2.91e5	1.24	1.23	M0	8.7851	22.38	22.38	M0	1.031	5.8	162
13	1 1 2 1 7 8 30C100	1.39e5	3.79e5	1.24	1.23	M0	8.7476	23.45	23.45	M0	1.031	56.8	114
14	1 1 2 1 7 8 20C100	1.29e5	2.89e5	1.24	1.24	M0	8.7703	34.14	34.14	M0	1.031	1.00	58.5
15	1 1 2 1 7 8 10C100	1.29e5	2.89e5	1.24	1.24	M0	8.7703	34.14	34.14	M0	1.031	1.00	58.5

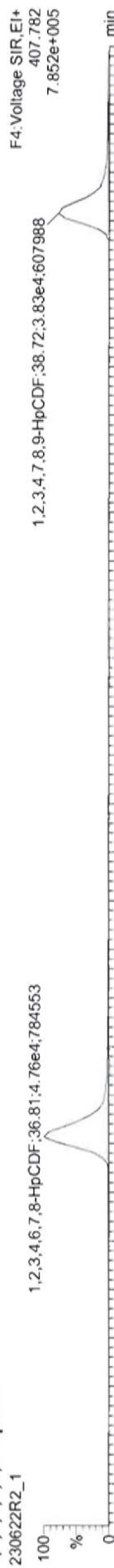


Dataset: Untitled

Last Altered: Friday, June 23, 2023 08:20:11 Pacific Daylight Time
Printed: Friday, June 23, 2023 08:20:56 Pacific Daylight Time

Name: 230622R2_1, Date: 22-Jun-2023, Time: 13:10:10, ID: ST230622R2_1 1613 CS3 23E1003, Description: 1613 CS3 23E1003

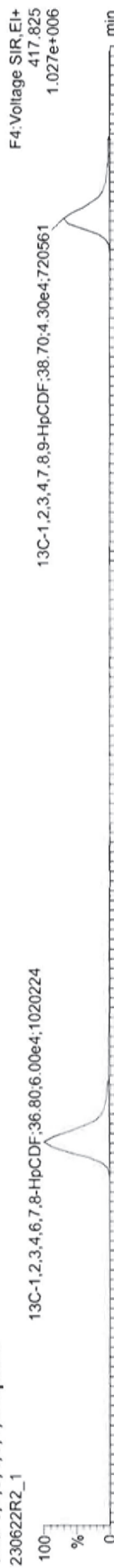
1,2,3,4,6,7,8-HpCDF



13C-1,2,3,4,6,7,8-HpCDF



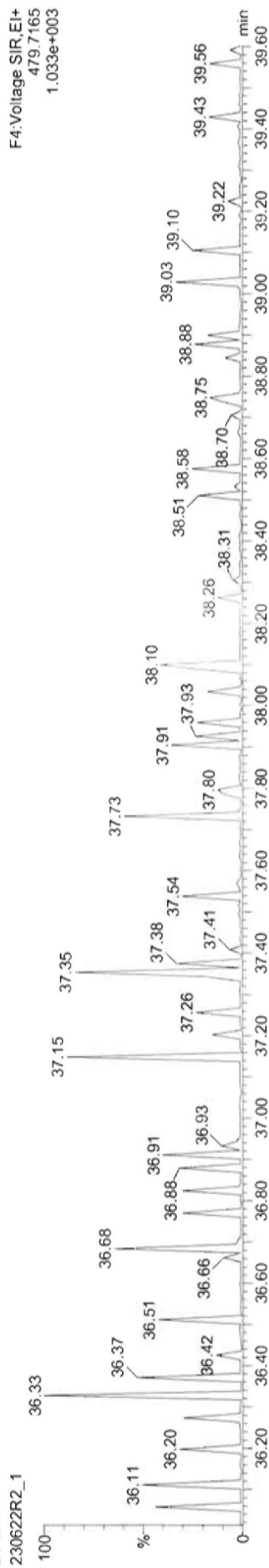
13C-1,2,3,4,6,7,8-HpCDF



13C-1,2,3,4,6,7,8-HpCDF



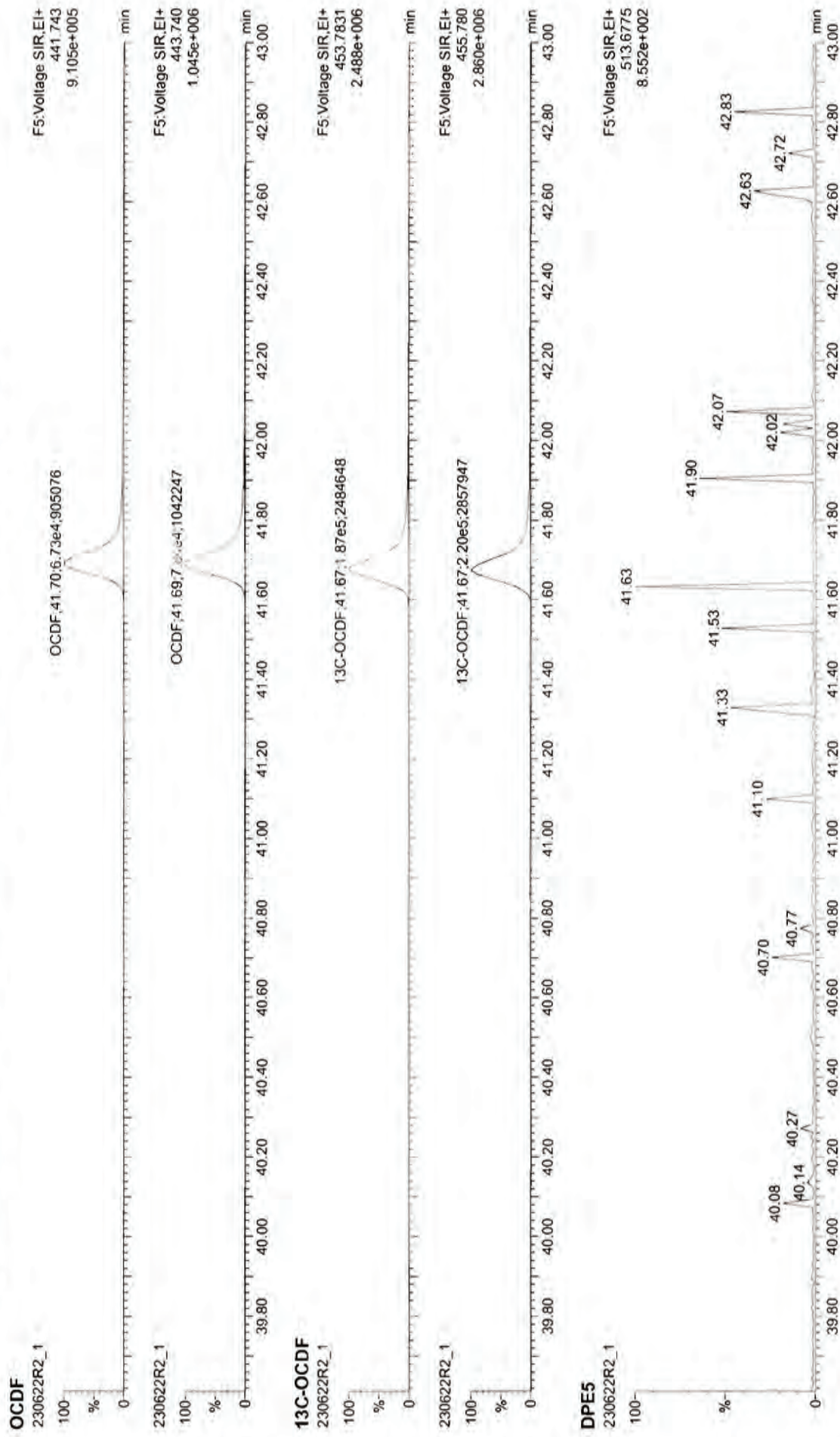
DPE4



Dataset: Untitled

Last Altered: Friday, June 23, 2023 08:20:11 Pacific Daylight Time
Printed: Friday, June 23, 2023 08:20:56 Pacific Daylight Time

Name: 230622R2_1, Date: 22-Jun-2023, Time: 13:10:10, ID: ST230622R2_1 1613 CS3 23E1003, Description: 1613 CS3 23E1003



Dataset: Untitled

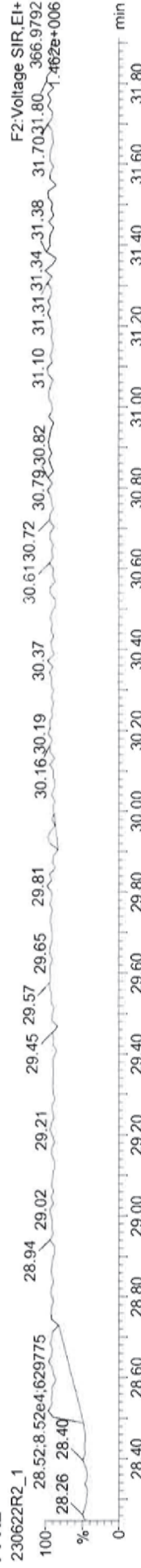
Last Altered: Friday, June 23, 2023 08:20:11 Pacific Daylight Time
Printed: Friday, June 23, 2023 08:20:56 Pacific Daylight Time

Name: 230622R2_1, Date: 22-Jun-2023, Time: 13:10:10, ID: ST230622R2_1 1613 CS3 23E1003, Description: 1613 CS3 23E1003

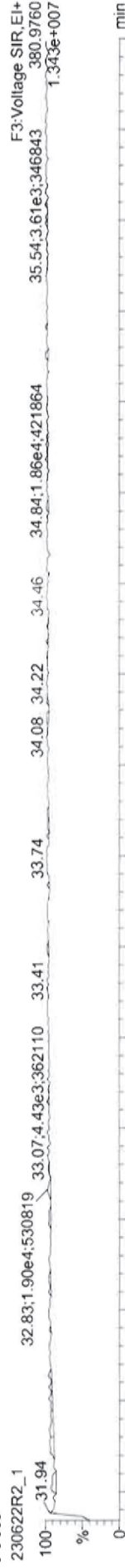
PFK1



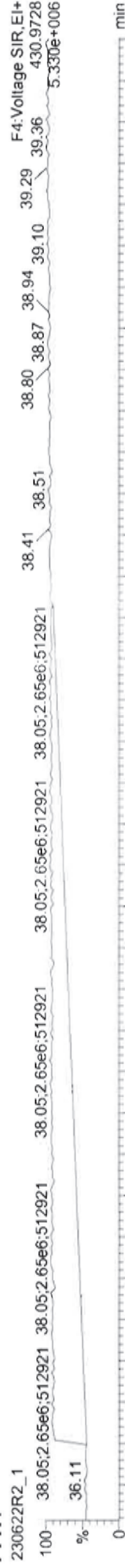
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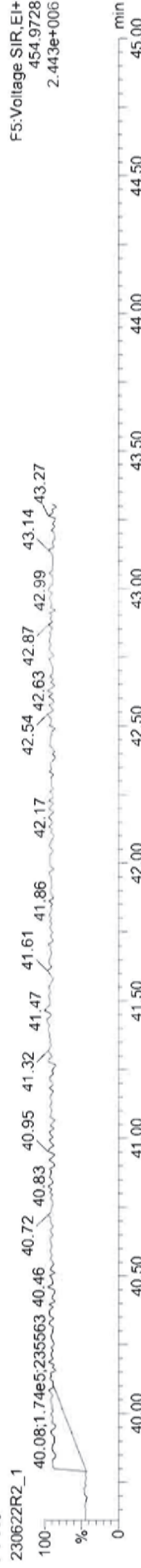
PFK3



PFK4



PFK5



Resolution Check Report

MassLynx 4.1 SCN815

Printed: Friday, June 23, 2023 08:42:27 Pacific Daylight Time

M 292.9824 R 9843 *OK*



M 304.9824 R 10309



M 318.9792 R 10226



M 330.9792 R 9948 *OK*



M 342.9792 R 10166



M 354.9792 R 10770



M 366.9792 R 11369



M 380.9760 R 10023



M 392.9760 R 10593



M 404.9760 R 10065



M 416.9760 R 10825



M 318.9792 R 10203



Resolution Check Report

MassLynx 4.1 SCN815

Printed: Friday, June 23, 2023 08:42:27 Pacific Daylight Time

M 330.9792 R 9982 *OK*



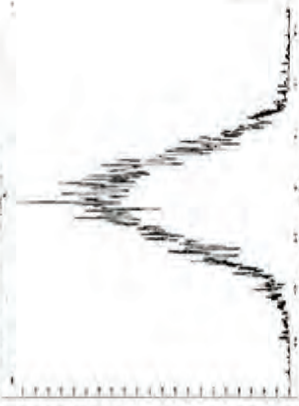
M 342.9792 R 10188



M 354.9792 R 10310



M 366.9792 R 10804



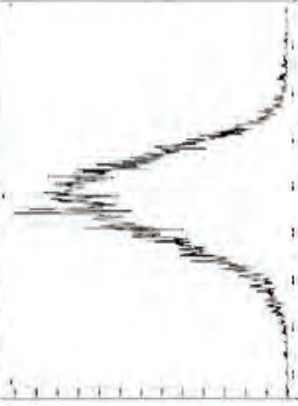
M 380.9760 R 10398



M 392.9760 R 10615



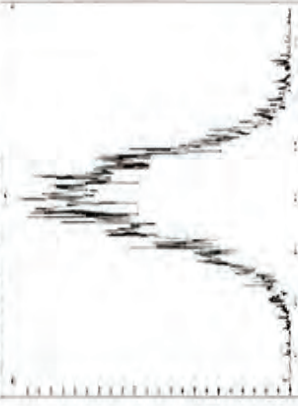
M 404.9760 R 10071



M 416.9760 R 12040



M 366.9792 R 11063



M 380.9760 R 10122



M 392.9760 R 10734



M 404.9760 R 10333

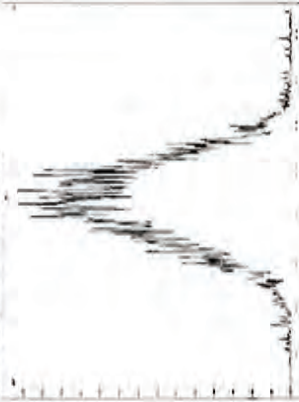


Resolution Check Report

MassLynx 4.1 SCN815

Printed: Friday, June 23, 2023 08:42:27 Pacific Daylight Time

M 416.9760 R 11415



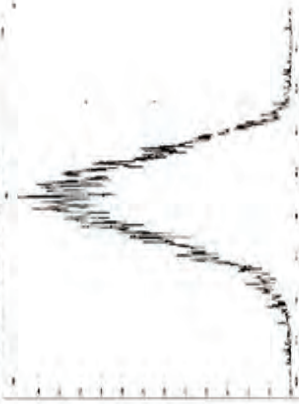
M 430.9728 R 10438



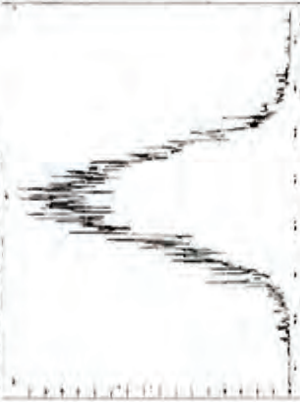
M 442.9728 R 11116



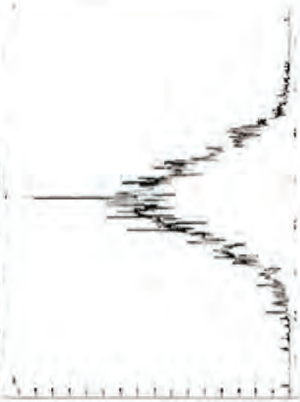
M 454.9728 R 10872



M 404.9760 R 10563



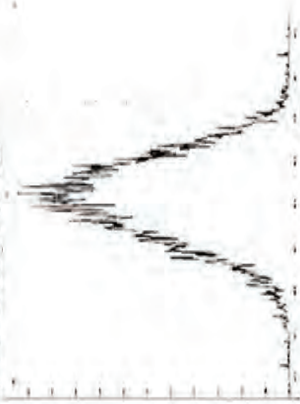
M 416.9760 R 11629



M 430.9728 R 10504



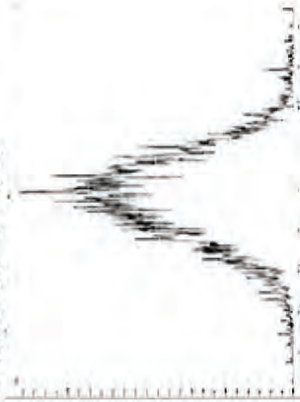
M 442.9728 R 10706



M 454.9728 R 10871



M 466.9728 R 11629



M 480.9696 R 10572



M 430.9728 R 98439K

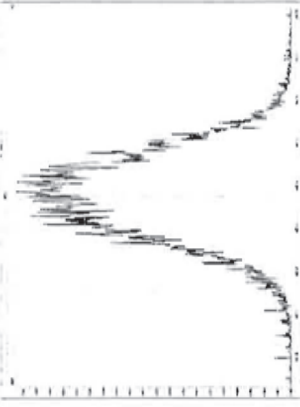


Resolution Check Report

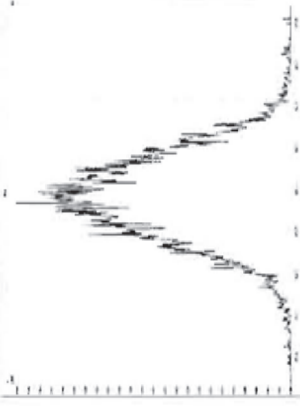
MassLynx 4.1 SCN815

Printed: Friday, June 23, 2023 08:42:27 Pacific Daylight Time

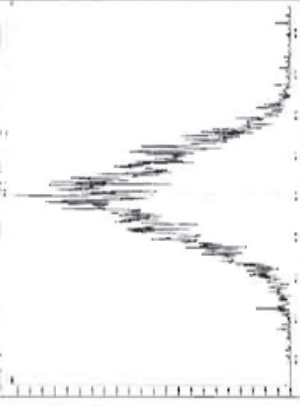
M 442.9728 R 10752



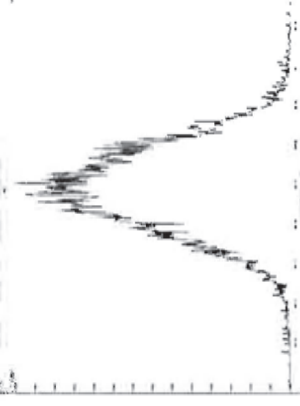
M 454.9728 R 10183



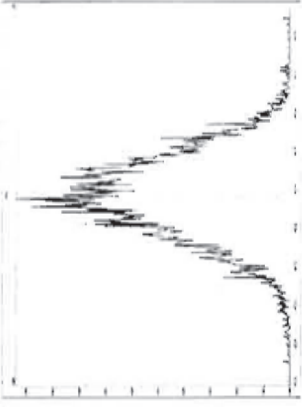
M 466.9728 R 11303



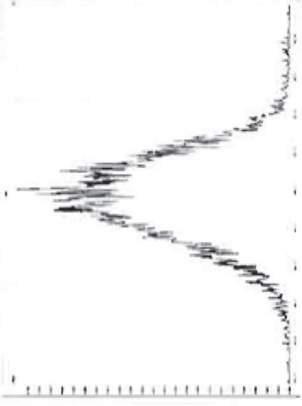
M 480.9696 R 10394



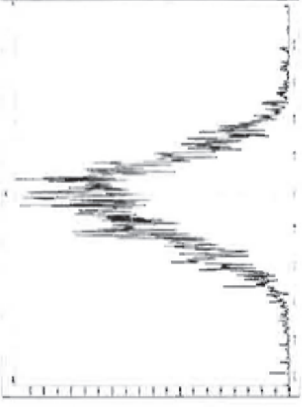
M 492.9696 R 10706



M 504.9696 R 10668



M 516.9697 R 11237



Dataset: I:\VG12.PRO\Results\230623R4\230623R4-2.qld

Last Altered: Monday, June 26, 2023 10:08:26 Pacific Daylight Time
Printed: Monday, June 26, 2023 10:10:58 Pacific Daylight Time

Method: C:\MassLynx\Default.pro\Methdb\1613rtt-6-20-23.mdb 20 Jun 2023 11:15:18

Calibration: C:\MassLynx\DEFAULT.PRO\CurveDB\BIOXIN_1613vg12-6-21-23.cdb 22 Jun 2023 08:14:04

Name: 230623R4_2, Date: 23-Jun-2023, Time: 23:53:48, ID: ST230623R4_1 1613 CS3 23E1003, Description: 1613 CS3 23E1003, Task: ST230623R4_1

	Name	Resp	RA	nly	RRF	w/vol	RT	RRT	Conc.	%Rec	DL	EMPC
1	2,3,7,8-TCDD	1.84e5	0.77	NO	0.810	1.000	26.63	1.001	11.348	113	0.0239	11.3
2	1,2,3,7,8-PeCDD	5.74e5	0.60	NO	0.688	1.000	30.91	1.000	59.438	119	0.0892	59.4
3	1,2,3,4,7,8-HxCDD	4.39e5	1.24	NO	0.772	1.000	34.21	1.000	55.536	111	0.117	55.5
4	1,2,3,6,7,8-HxCDD	4.52e5	1.23	NO	0.715	1.000	34.34	1.000	57.261	115	0.125	57.3
5	1,2,3,7,8,9-HxCDD	4.45e5	1.25	NO	0.719	1.000	34.63	1.000	55.460	111	0.126	55.5
6	1,2,3,4,6,7,8-HpCDD	3.29e5	1.03	NO	0.745	1.000	38.00	1.001	53.808	108	0.165	53.8
7	OCDD	4.87e5	0.83	NO	0.706	1.000	41.32	1.001	109.35	109	0.189	109
8	2,3,7,8-TCDF	2.00e5	0.75	NO	0.684	1.000	26.03	1.001	11.907	119	0.0260	11.9
9	1,2,3,7,8-PeCDF	8.25e5	1.57	NO	0.698	1.000	29.76	1.001	59.633	119	0.0855	59.6
10	2,3,4,7,8-PeCDF	8.87e5	1.56	NO	0.775	1.000	30.73	1.000	59.105	118	0.0750	59.1
11	1,2,3,4,7,8-HxCDF	5.56e5	1.22	NO	0.785	1.000	33.29	1.001	59.828	120	0.0917	59.8
12	1,2,3,6,7,8-HxCDF	5.99e5	1.23	NO	0.748	1.000	33.43	1.001	59.259	119	0.0945	59.3
13	2,3,4,6,7,8-HxCDF	5.43e5	1.23	NO	0.770	1.000	34.11	1.000	59.319	119	0.100	59.3
14	1,2,3,7,8,9-HxCDF	4.46e5	1.25	NO	0.766	1.000	35.17	1.001	58.624	117	0.138	58.6
15	1,2,3,4,6,7,8-HpCDF	3.90e5	1.00	NO	0.834	1.000	36.80	1.001	56.536	113	0.103	56.5
16	1,2,3,4,7,8,9-HpCDF	3.22e5	0.95	NO	0.863	1.000	38.69	1.000	58.908	118	0.125	58.9
17	OCDF	5.22e5	0.86	NO	0.651	1.000	41.66	1.000	117.74	118	0.168	118
18	13C-2,3,7,8-TCDD	2.00e6	0.76	NO	1.10	1.000	26.60	1.026	98.523	98.523	0.0546	98.523
19	13C-1,2,3,7,8-PeCDD	1.40e6	0.61	NO	0.864	1.000	30.89	1.192	88.284	88.3	0.0762	88.3
20	13C-1,2,3,4,7,8-HxCDD	1.02e6	1.27	NO	0.834	1.000	34.20	1.014	96.225	96.2	0.121	96.2
21	13C-1,2,3,6,7,8-HxCDD	1.11e6	1.26	NO	0.916	1.000	34.33	1.018	94.683	94.7	0.110	94.7
22	13C-1,2,3,7,8,9-HxCDD	1.12e6	1.20	NO	0.930	1.000	34.62	1.026	94.115	94.1	0.109	94.1
23	13C-1,2,3,4,6,7,8-HpCDD	8.21e5	1.04	NO	0.675	1.000	31.98	1.125	95.377	95.4	0.195	95.4
24	13C-OCDD	1.26e6	0.87	NO	0.568	1.000	41.30	1.224	174.31	87.2	0.216	87.2
25	13C-2,3,7,8-TCDF	2.46e6	0.77	NO	1.06	1.000	26.00	1.003	89.554	89.5	0.0483	89.5
26	13C-1,2,3,7,8-PeCDF	1.98e6	1.56	NO	0.873	1.000	29.75	1.148	87.908	87.9	0.102	87.9
27	13C-2,3,4,7,8-HxCDF	1.94e6	1.57	NO	0.866	1.000	30.71	1.185	86.565	86.5	0.103	86.5
28	13C-1,2,3,4,7,8-HxCDF	1.18e6	0.50	NO	0.997	1.000	33.27	0.986	93.988	94.0	0.178	94.0
29	13C-1,2,3,6,7,8-HxCDF	1.35e6	0.52	NO	1.06	1.000	33.41	0.990	110.21	100	0.166	100
30	13C-2,3,4,6,7,8-HxCDF	1.19e6	0.50	NO	0.950	1.000	34.10	1.011	98.093	98.1	0.185	98.1
31	13C-1,2,3,7,8,9-HxCDF	9.95e5	0.49	NO	0.840	1.000	35.15	1.042	93.972	94.0	0.212	94.0
32	13C-1,2,3,4,6,7,8-HpCDF	8.27e5	0.42	NO	0.683	1.000	36.78	1.090	94.972	95.0	0.205	95.0

ATO 06/26/23
A7 M 06/26/23

Dataset: I:\VG12\PRO\Results\230623R4\230623R4-2.qld

Last Altered: Monday, June 26, 2023 10:08:26 Pacific Daylight Time
Printed: Monday, June 26, 2023 10:10:58 Pacific Daylight Time

Name: 230623R4_2, Date: 23-Jun-2023, Time: 23:53:48, ID: ST230623R4_1 1613 CS3 23E1003, Description: 1613 CS3 23E1003, Task: ST230623R4_1

	Name	Resp	RA	n/y	RRF	wt/vol	RT	RRT	Conc.	%Rec	DL	EMPC
33	13C-1,2,3,4,7,8,9-HpCDF	6.33e5	0.41	NO	0.544	1.000	38.68	1.147	91.347	91.3	70-73 0.255	
34	13C-OCDF	1.36e6	0.87	NO	0.646	1.000	41.65	1.235	165.31	82.7	0.151	
35	37Cl-2,3,7,8-TCDD	1.75e5			0.905	1.000	26.63	1.027	10.491	105	0.0136	
36	13C-1,2,3,4-TCDD	1.84e6	0.77	NO	1.00	1.000	25.92	1.000	100.00	100	0.0603	
37	13C-1,2,3,4-TCDF	2.59e6	0.77	NO	1.00	1.000	24.62	1.000	100.00	100	0.0514	
38	13C-1,2,3,4,6,9-HxCDF	1.27e6	0.50	NO	1.00	1.000	33.73	1.000	100.00	100	0.176	

Dataset: Untitled

Last Altered: Monday, June 26, 2023 09:52:43 Pacific Daylight Time
Printed: Monday, June 26, 2023 09:54:21 Pacific Daylight Time

Method: C:\MassLynx\DEFAULT.PRO\MethDB\1613rrt-6-20-23.mdb 20 Jun 2023 11:15:18
Calibration: C:\MassLynx\DEFAULT.PRO\CurveDB\dbDIOXIN_1613vg12-6-21-23.cdb 22 Jun 2023 08:14:04

Compound name: 2,3,7,8-TCDD

	Name	ID		Acq. Date	Acq. Time
1	230623R4_1	SOLVENT BLANK		23-Jun-23	23:09:10
2	230623R4_2	ST230623R4_1 1613 CS3 23E1003		23-Jun-23	23:53:48
3	230623R4_3	SOLVENT BLANK		24-Jun-23	00:38:58
4	230623R4_4	2306070-01 Forebay Composite (24hr) 0 99591		24-Jun-23	01:23:58
5	230623R4_5	2306014-01 23E3360-01 GV-2 1.03865		24-Jun-23	02:09:01
6	230623R4_6	2305091-08 FS-RB-230508 0.96169		24-Jun-23	02:54:04
7	230623R4_7	2305194-01 RB20230522113000 1.02514		24-Jun-23	03:39:04
8	230623R4_8	2305204-01 23E2588-01 RSW-005 (C-7) 0.96...		24-Jun-23	04:24:06
9	230623R4_9	2305251-01 WT-TX-080 0.92654		24-Jun-23	05:09:09
10	230623R4_10	B23F058-MS1 Matrix Spike 0.96411		24-Jun-23	05:54:16
11	230623R4_11				
12	230623R4_12	2305023-03RE1@5X PS63-SS-03 5.56		24-Jun-23	07:26:04
13	230623R4_13	2305023-04RE1@8X PS63-SS-04 3.8		24-Jun-23	08:10:43
14	230623R4_14	2306021-01RE1@5X PCNB Tech Lot 305030L...		24-Jun-23	08:55:44
15	230623R4_15	2305196-10 EB-03 0.96517		24-Jun-23	09:40:45
16	230623R4_16	2305197-09 EB-01 0.97511		24-Jun-23	10:25:53
17	230623R4_17	2305198-16 EB-02 0.96715		24-Jun-23	11:11:02
18	230623R5_1	SOLVENT BLANK		24-Jun-23	12:05:01
19	230623R5_2	ST230623R5_1 1613 CS3 23E1003		24-Jun-23	12:49:37

Ⓐ Paused, RI ATM 06/26/23

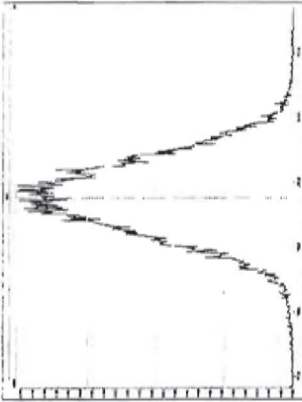
Resolution Check Report

MassLynx 4.1 SCN815

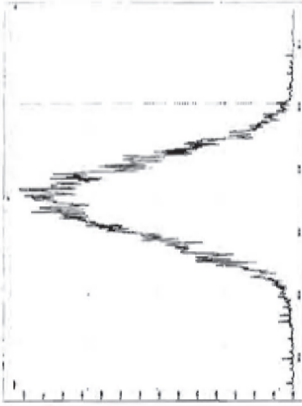
Page 1 of 4

Printed: Friday, June 23, 2023 23:09:08 Pacific Daylight Time

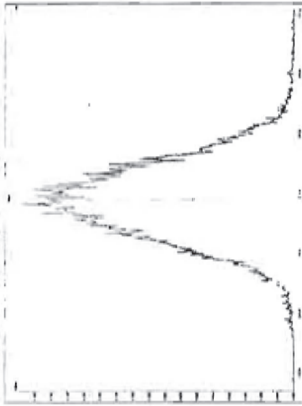
M 292.9824 R 10917



M 304.9824 R 11576



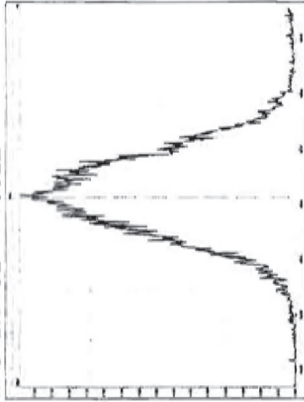
M 318.9792 R 11416



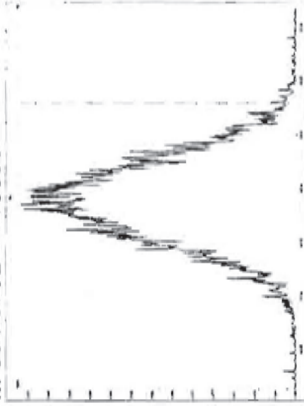
M 330.9792 R 10330



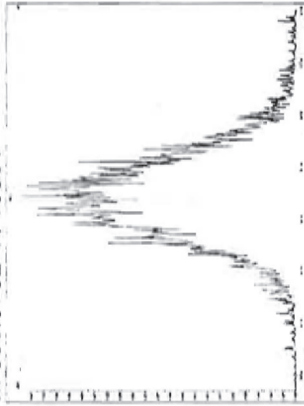
M 342.9792 R 10822



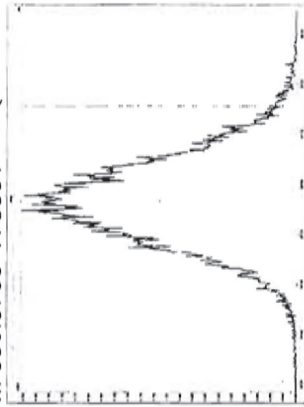
M 354.9792 R 10595



M 366.9792 R 10301



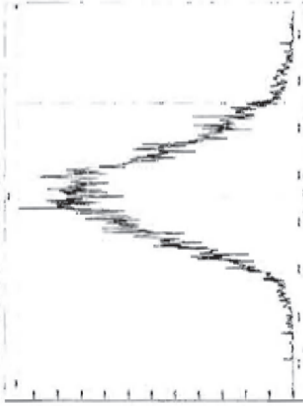
M 380.9760 R 9881 OK



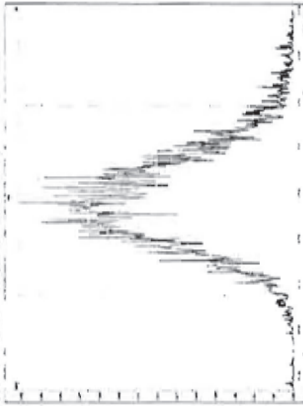
M 392.9760 R 9941 OK



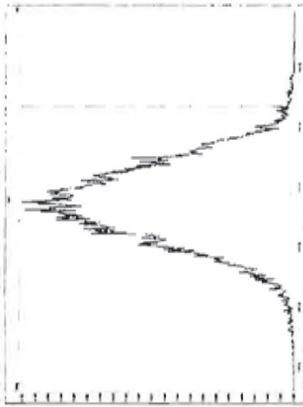
M 404.9760 R 10060



M 416.9760 R 10474



M 318.9792 R 11497

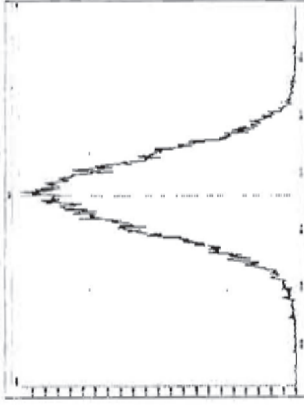


Resolution Check Report

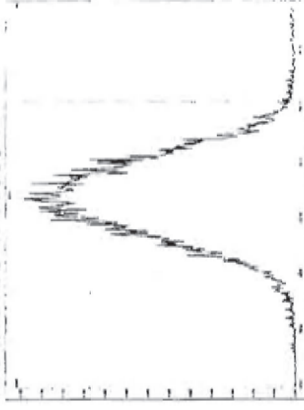
MassLynx 4.1 SCN815

Printed: Friday, June 23, 2023 23:09:08 Pacific Daylight Time

M 330.9792 R 10895



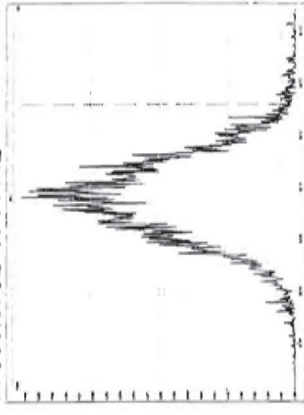
M 342.9792 R 10990



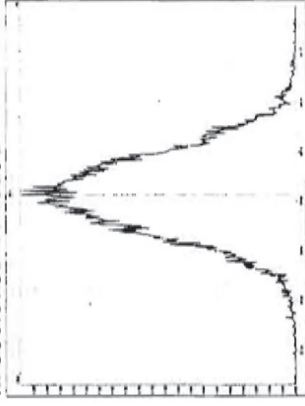
M 354.9792 R 11161



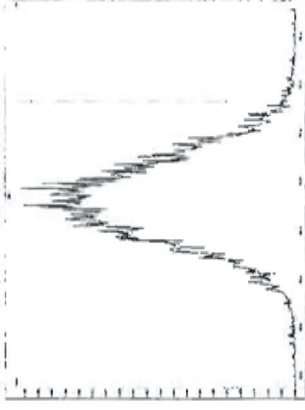
M 366.9792 R 11142



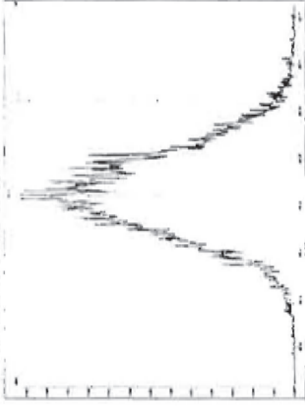
M 380.9760 R 10550



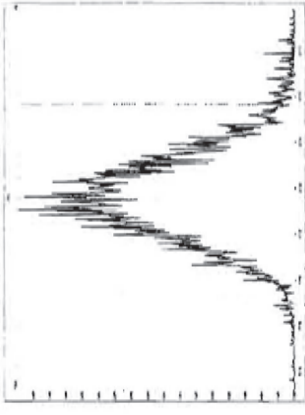
M 392.9760 R 10504



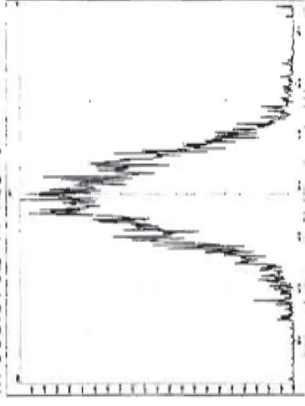
M 404.9760 R 10460



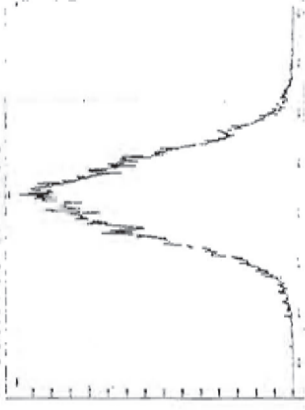
M 416.9760 R 10463



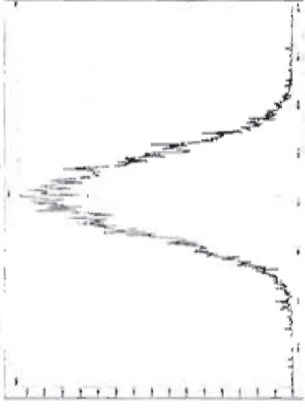
M 366.9792 R 12376



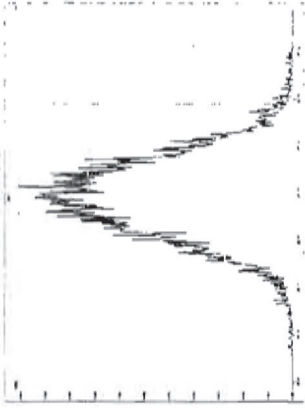
M 380.9760 R 11192



M 392.9760 R 11160



M 404.9760 R 11065

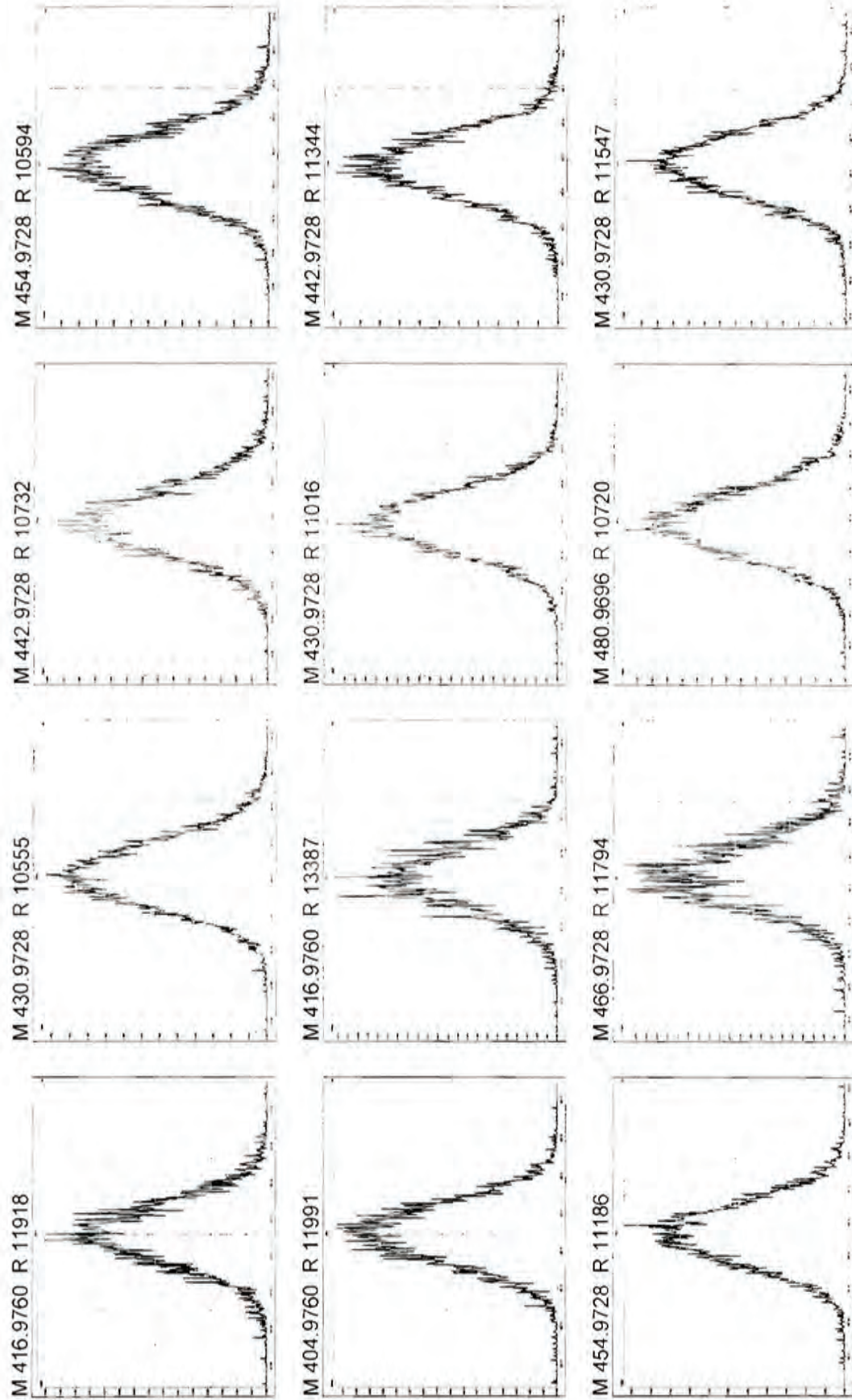


Resolution Check Report

MassLynx 4.1 SCN815

Page 3 of 4

Printed: Friday, June 23, 2023 23:09:08 Pacific Daylight Time

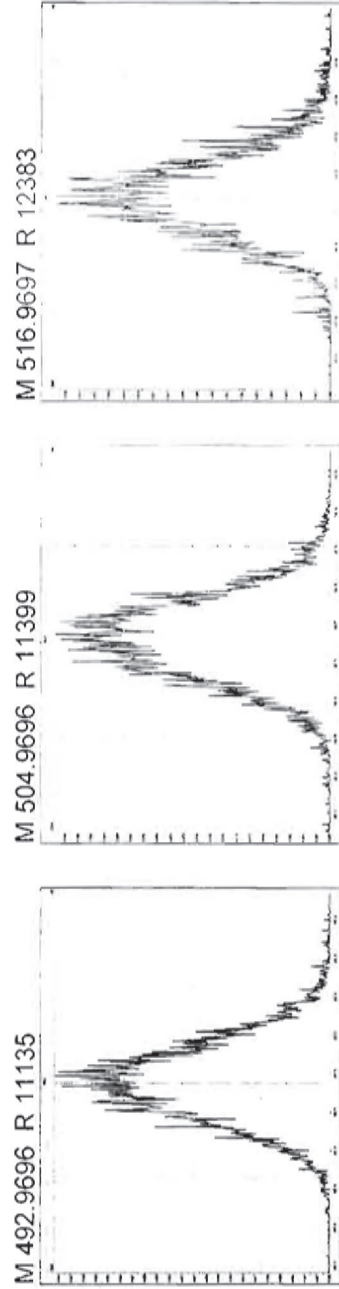
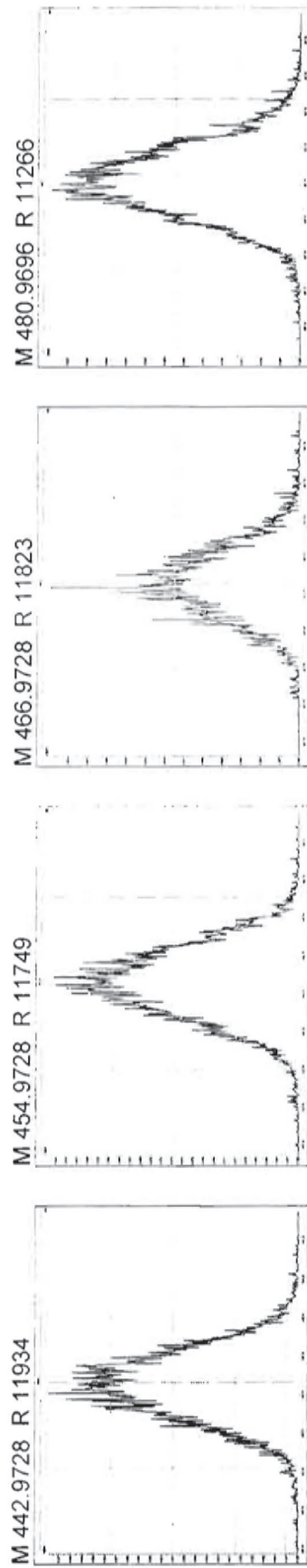


Resolution Check Report

MassLynx 4.1 SCN815

Page 4 of 4

Printed: Friday, June 23, 2023 23:09:08 Pacific Daylight Time



Dataset: Untitled

Last Altered: Monday, June 26, 2023 10:06:10 Pacific Daylight Time
Printed: Monday, June 26, 2023 10:06:19 Pacific Daylight Time

Method: C:\MassLynx\DEFAULT.PRO\MethDB\CPSM.mdb 24 May 2023 17:45:01
Calibration: C:\MassLynx\DEFAULT.PRO\CurveDB\dbDIOXIN_1613vg12-6-21-23.cdb 22 Jun 2023 08:14:04
Name: 230623R4_2, Date: 23-Jun-2023, Time: 23:53:48, ID: ST230623R4_1 1613 CS3 23E1003, Description: 1613 CS3 23E1003

#	Name	RT
1	1 1,3,6,8-TCDD (First)	23.31
2	2 1,2,8,9-TCDD (Last)	27.44
3	3 1,2,4,7,9-PeCDD (First)	28.83
4	4 1,2,3,8,9-PeCDD (Last)	31.24
5	5 1,2,4,6,7,9-HxCDD (First)	32.52
6	6 1,2,3,7,8,9-HxCDD (Last)	34.63
7	7 1,2,3,4,6,7,9-HpCDD (First)	37.11
8	8 1,2,3,4,6,7,8-HpCDD (Last)	38.00
9	9 1,3,6,8-TCDF (First)	21.21
10	10 1,2,8,9-TCDF (Last)	27.74
11	11 1,3,4,6,8-PeCDF (First)	27.33
12	12 1,2,3,8,9-PeCDF (Last)	31.60
13	13 1,2,3,4,6,8-HxCDF (First)	31.99
14	14 1,2,3,7,8,9-HxCDF (Last)	35.17
15	15 1,2,3,4,6,7,8-HpCDF (First)	36.80
16	16 1,2,3,4,7,8,9-HpCDF (Last)	38.69

Quantify Sample Report

Enthalpy Analytical EDH VG-12

MassLynx 4.1 SCN815

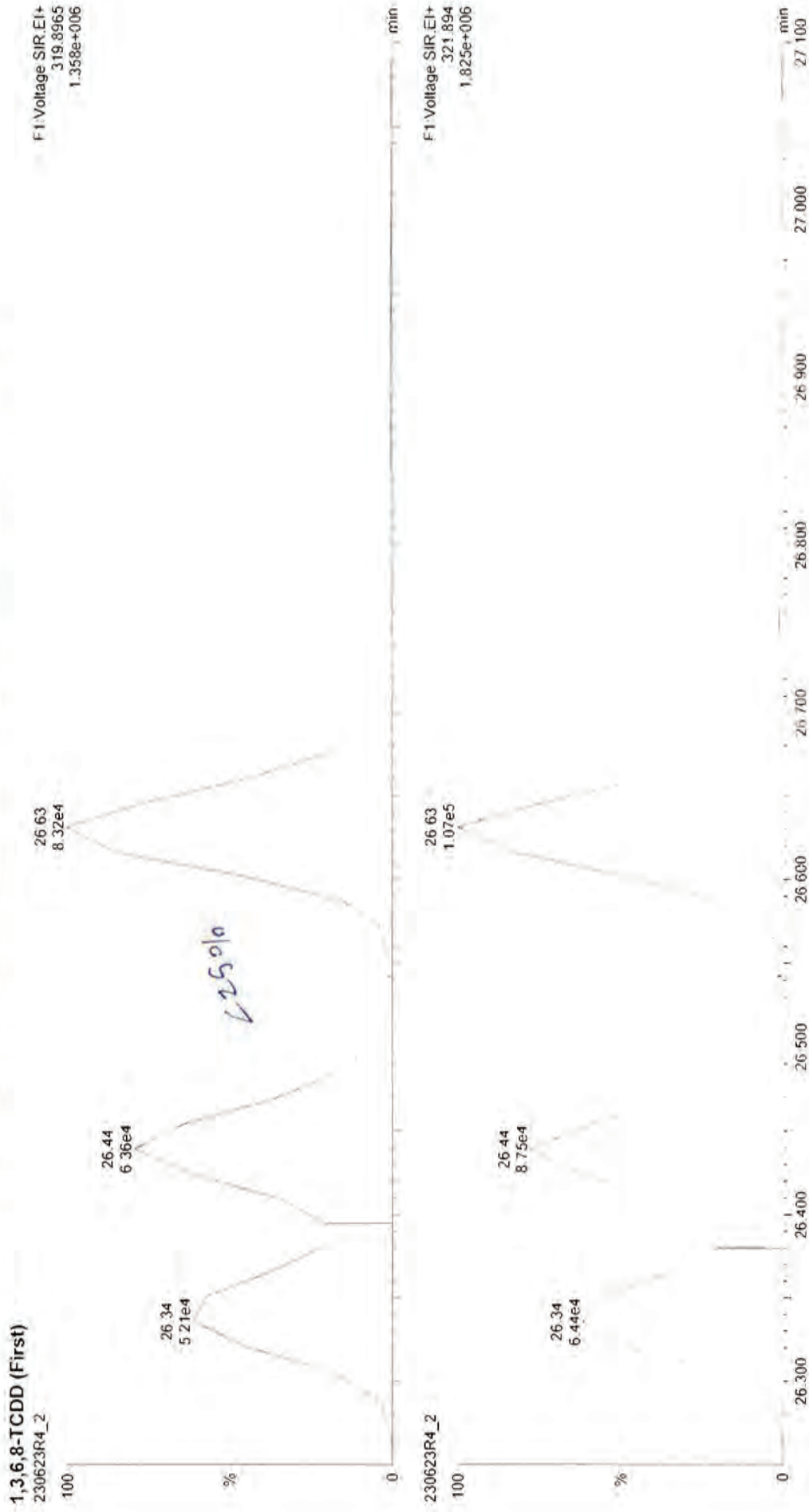
Dataset: Untitled

Last Altered: Monday, June 26, 2023 10:06:10 Pacific Daylight Time
Printed: Monday, June 26, 2023 10:06:19 Pacific Daylight Time

Method: C:\MassLynx\DEFAULT.PRO\MethDB\CPSM.mdb 24 May 2023 17:45:01

Calibration: C:\MassLynx\DEFAULT.PRO\CurveDB\dbDIOXIN_1613vg12-6-21-23.cdb 22 Jun 2023 08:14:04

Name: 230623R4_2, Date: 23-Jun-2023, Time: 23:53:48, ID: ST230623R4_1 1613 CS3 23E1003, Description: 1613 CS3 23E1003



Enthalpy Analytical EDH VG-12

Dataset: Untitled

Last Altered: Monday, June 26, 2023 10:06:10 Pacific Daylight Time
Printed: Monday, June 26, 2023 10:06:19 Pacific Daylight Time

Name: 230623R4_2, Date: 23-Jun-2023, Time: 23:53:48, ID: ST230623R4_1 1613 CS3 23E1003, Description: 1613 CS3 23E1003

1,3,6,8-TCDF (First)

F1: Voltage SIR.EI+
303.9016
1.345e+006

26.03
8.59e4

25.91
7.39e4

125.10

230623R4_2

26.03
1.16e5

25.91
1.01e5

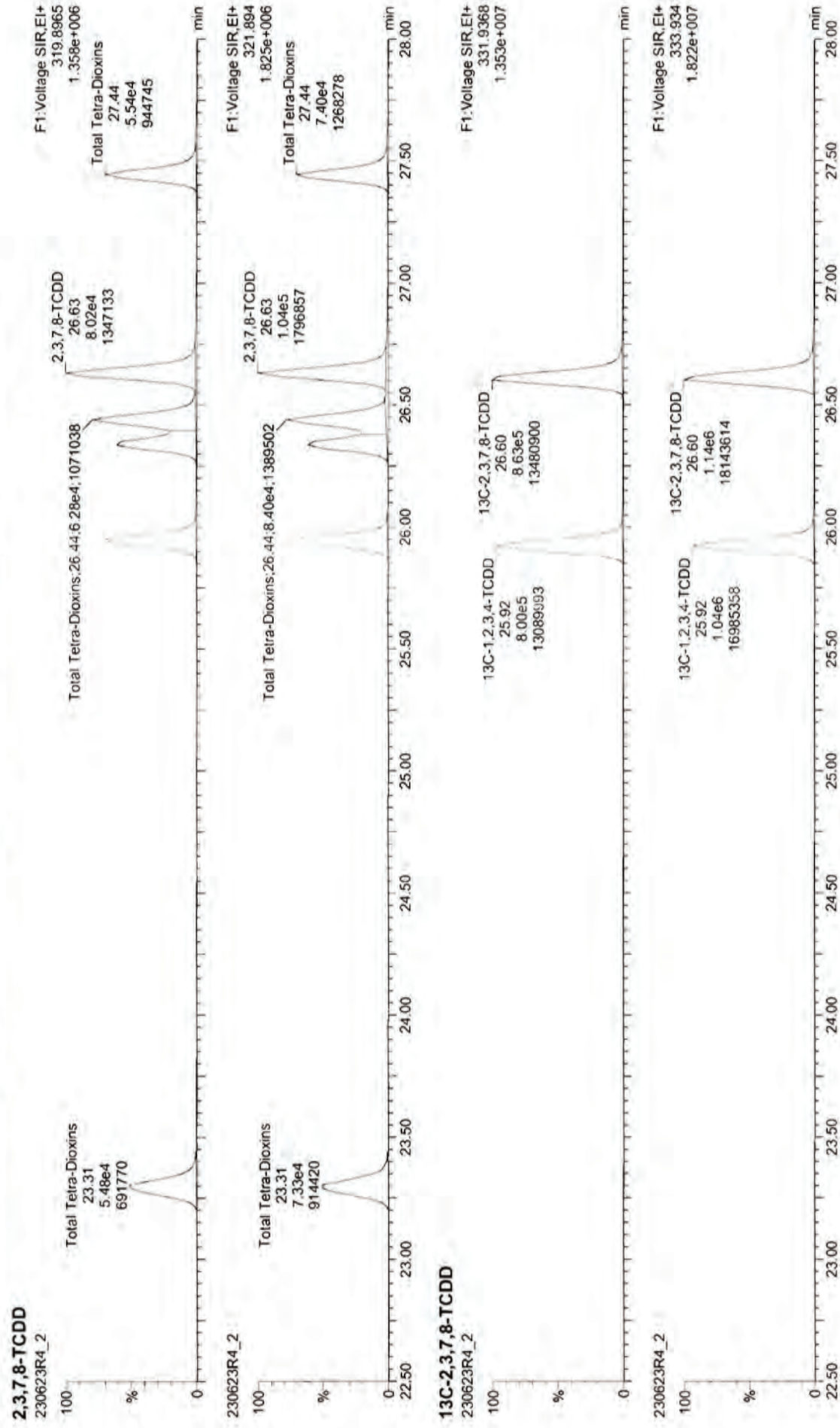
F1: Voltage SIR.EI+
305.899
1.772e+006

25.750 25.800 25.850 25.900 25.950 26.000 26.050 26.100 26.150 26.200 26.250 26.300 26.350 26.400

Dataset: Untitled

Last Altered: Monday, June 26, 2023 09:50:33 Pacific Daylight Time
 Printed: Monday, June 26, 2023 09:52:12 Pacific Daylight Time

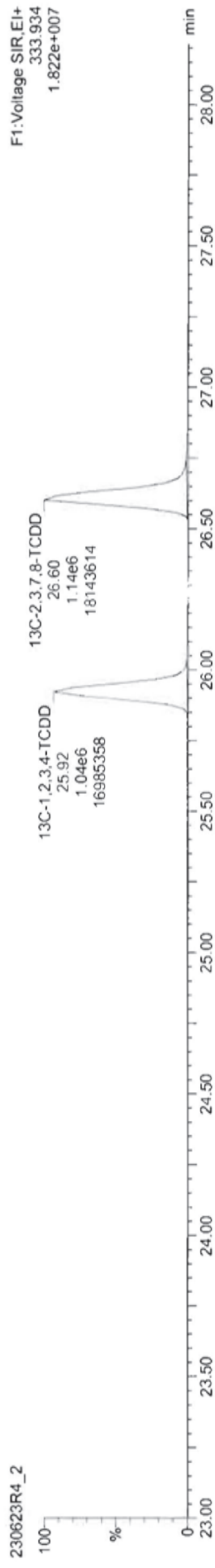
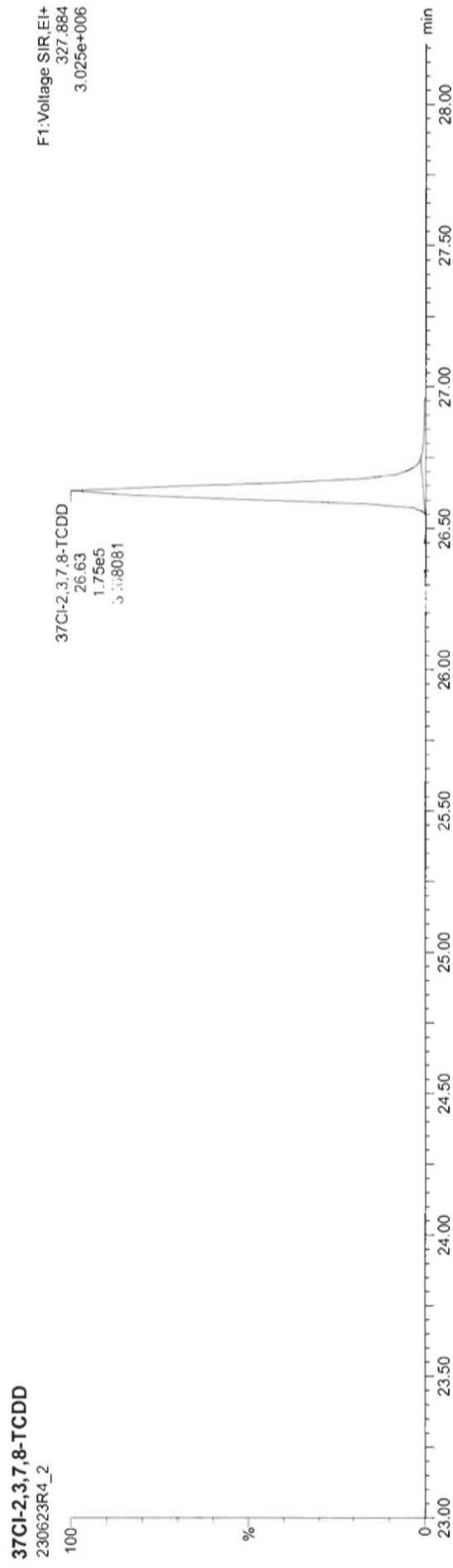
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Dataset: Untitled

Last Altered: Monday, June 26, 2023 09:50:33 Pacific Daylight Time
Printed: Monday, June 26, 2023 09:52:12 Pacific Daylight Time

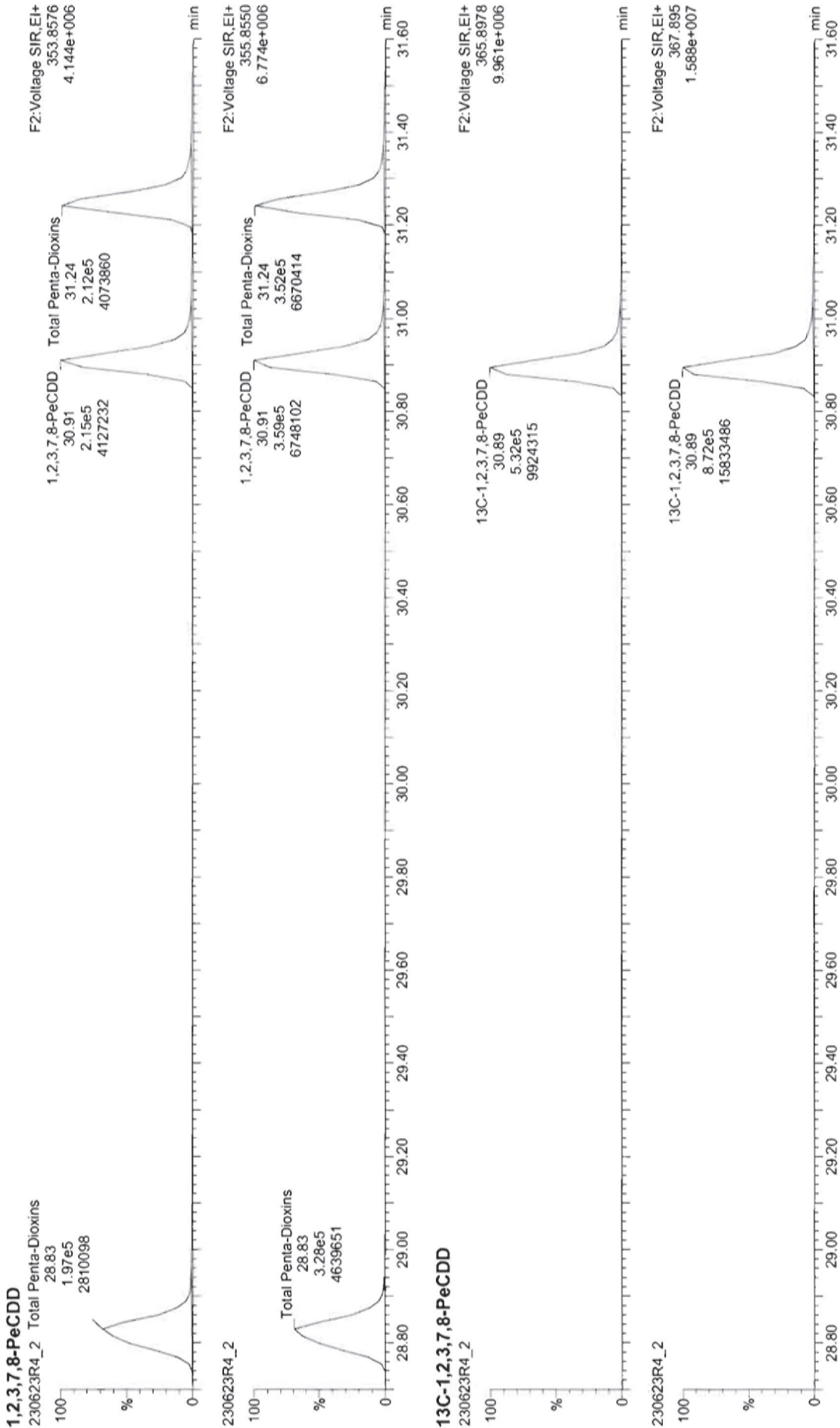
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Dataset: Untitled

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Printed: Monday, June 26, 2023 09:52:12 Pacific Daylight Time

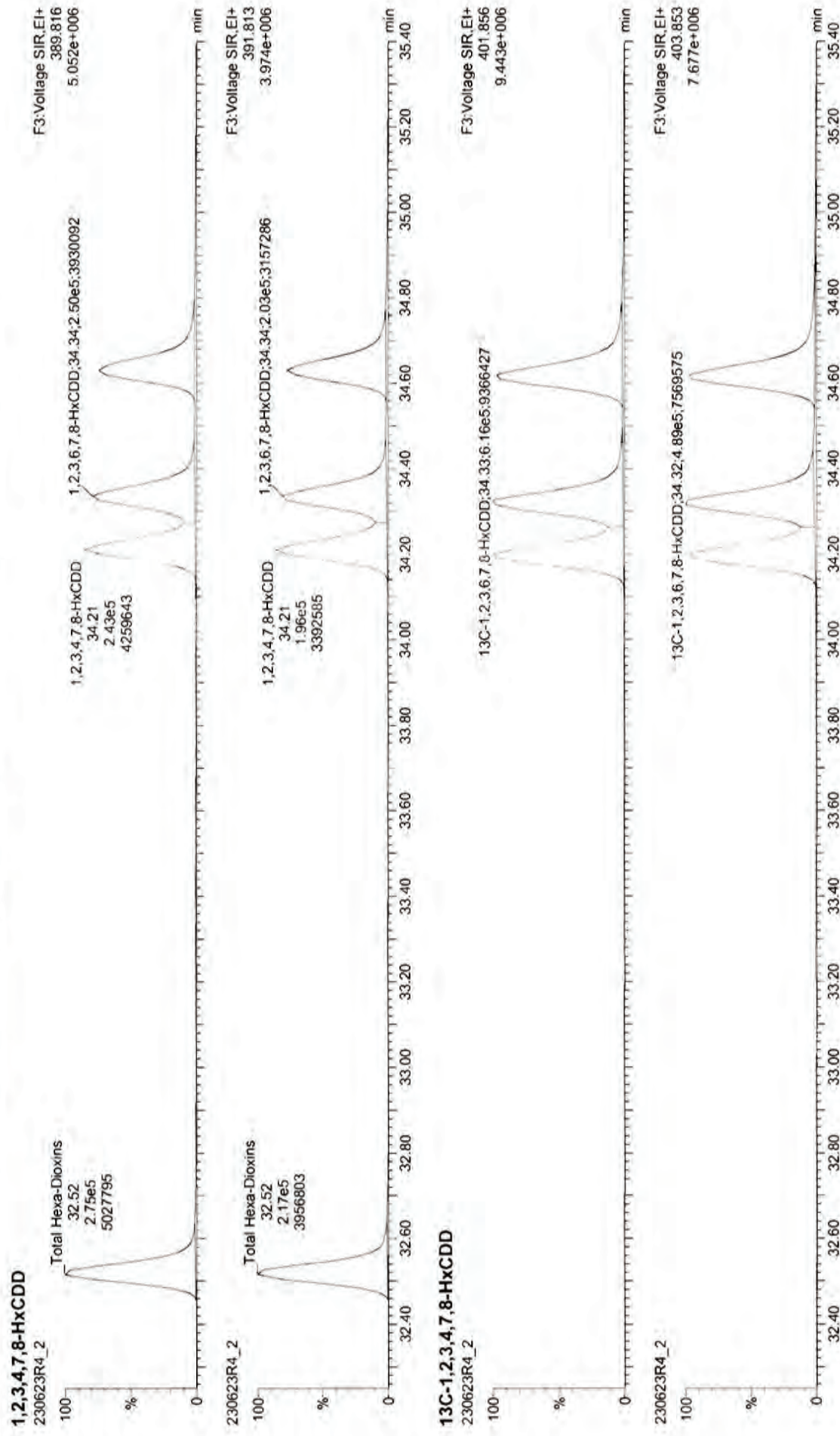
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Dataset: Untitled

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Printed: Monday, June 26, 2023 09:52:12 Pacific Daylight Time

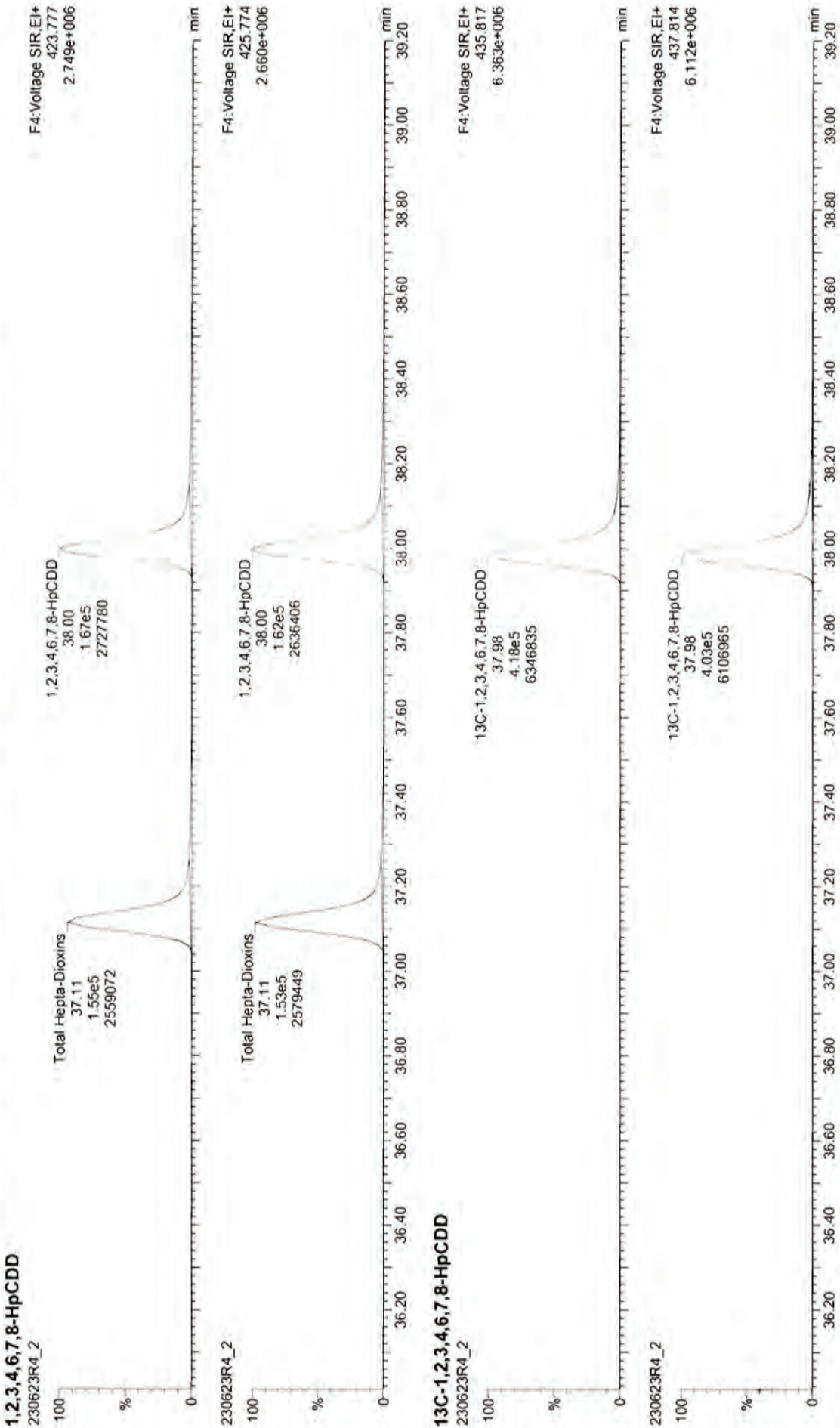
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Dataset: Untitled

Last Altered: Monday, June 26, 2023 09:50:33 Pacific Daylight Time
Printed: Monday, June 26, 2023 09:52:12 Pacific Daylight Time

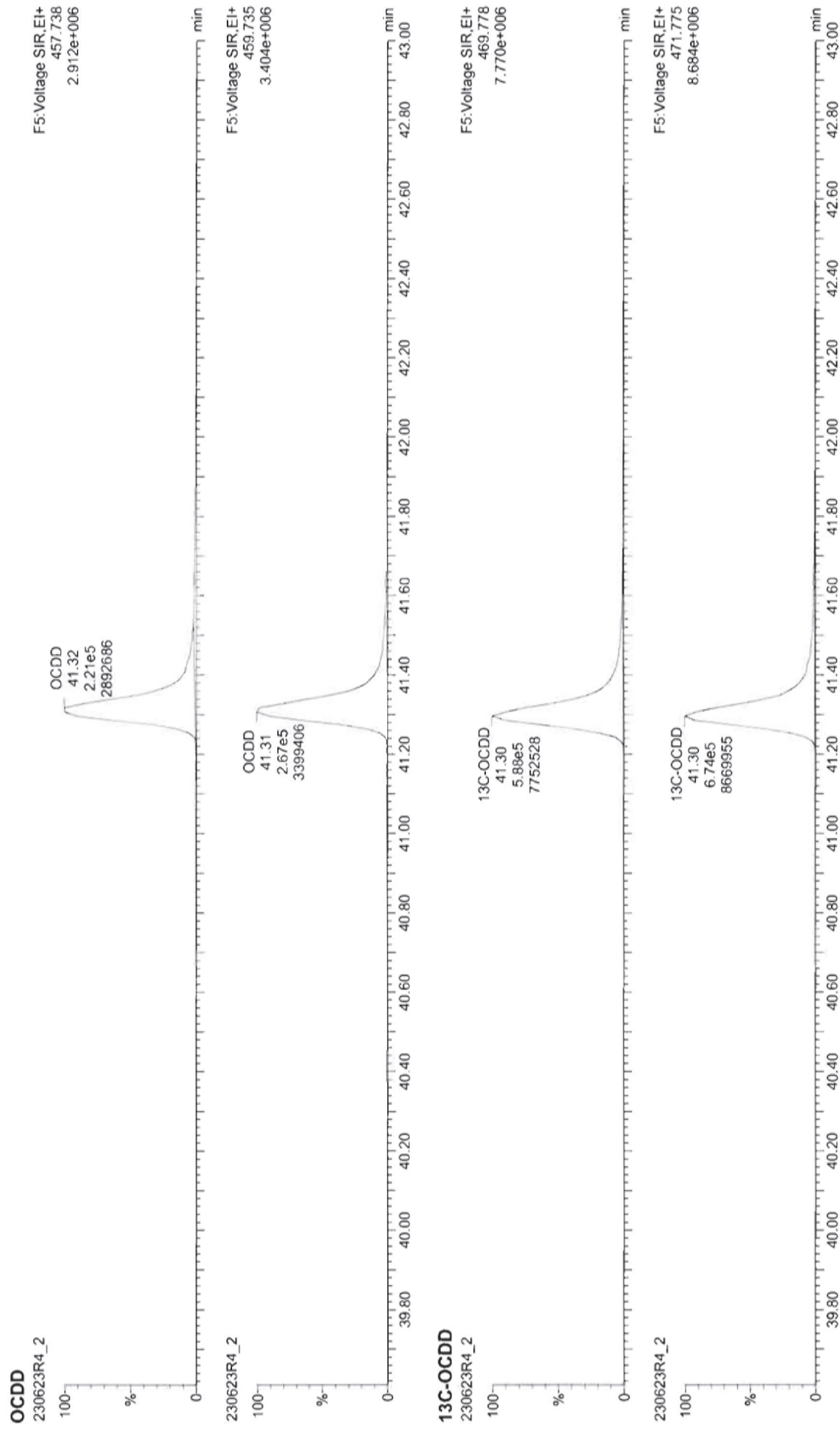
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Dataset: Untitled

Last Altered: Monday, June 26, 2023 09:50:33 Pacific Daylight Time
Printed: Monday, June 26, 2023 09:52:12 Pacific Daylight Time

Name: 230623R4_2, Date: 23-Jun-2023, Time: 23:53:48, ID: ST230623R4_1 1613 CS3 23E1003, Description: 1613 CS3 23E1003



Dataset: Untitled

Last Altered: Monday, June 26, 2023 09:50:33 Pacific Daylight Time
Printed: Monday, June 26, 2023 09:52:12 Pacific Daylight Time

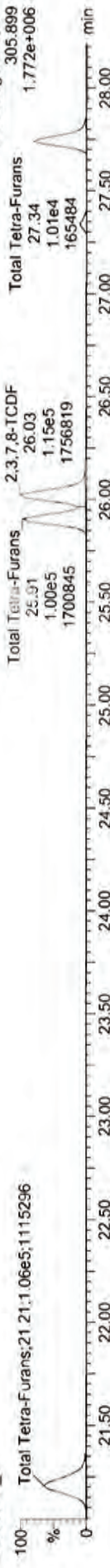
Name: 230623R4_2, Date: 23-Jun-2023, Time: 23:53:48, ID: ST230623R4_1 1613 CS3 23E1003, Description: 1613 CS3 23E1003

2,3,7,8-TCDF

230623R4_2

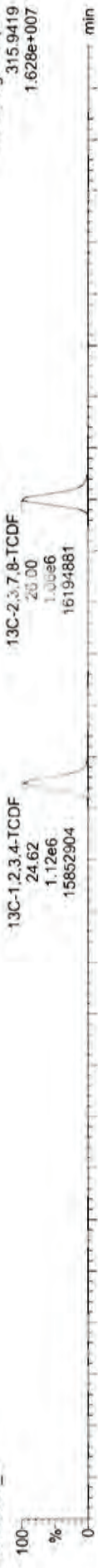


230623R4_2

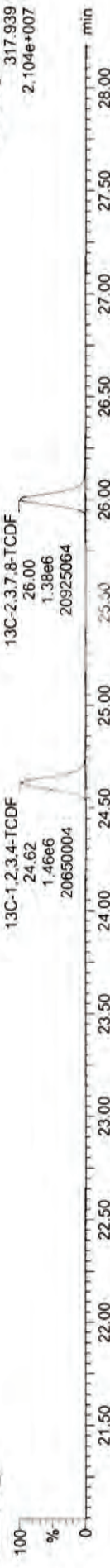


13C-2,3,7,8-TCDF

230623R4_2



230623R4_2



DPE1

230623R4_2



1



Dataset: Untitled

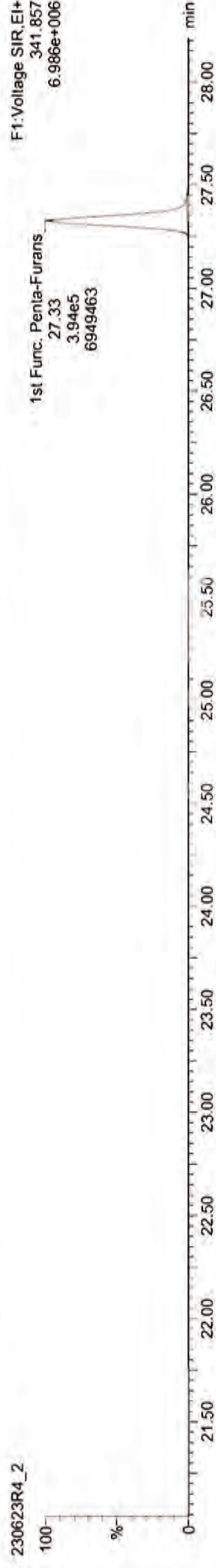
Last Altered: Monday, June 26, 2023 09:50:33 Pacific Daylight Time
Printed: Monday, June 26, 2023 09:52:12 Pacific Daylight Time

Name: 230623R4_2, Date: 23-Jun-2023, Time: 23:53:48, ID: ST230623R4_1 1613 CS3 23E1003, Description: 1613 CS3 23E1003

1st Func. Penta-Furans

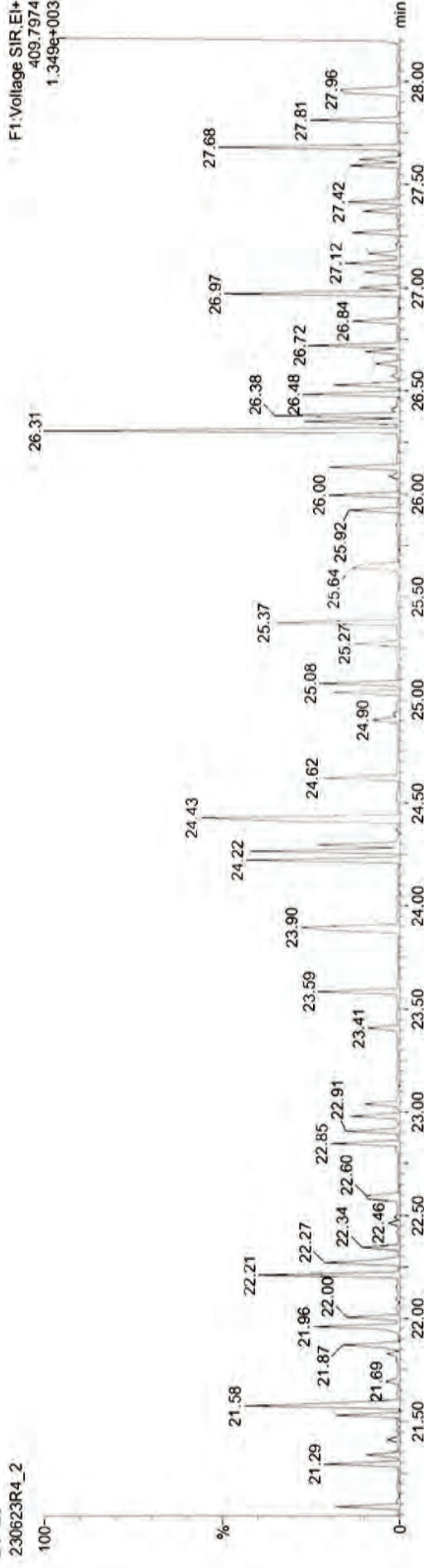


230623R4_2



DPE6

230623R4_2



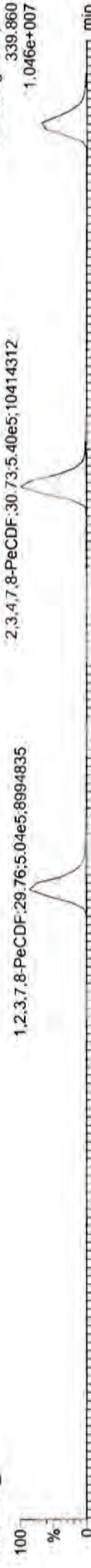
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Last Altered: Monday, June 26, 2023 09:50:33 Pacific Daylight Time
Printed: Monday, June 26, 2023 09:52:12 Pacific Daylight Time

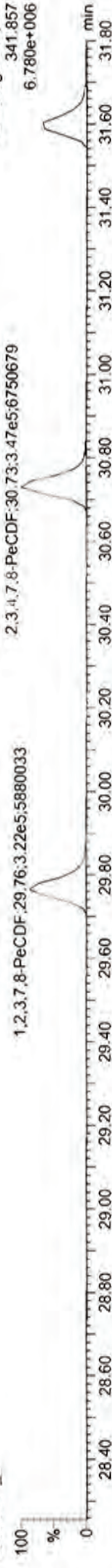
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1,2,3,7,8-PeCDF

230623R4_2

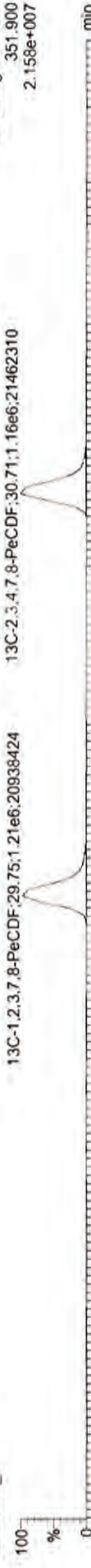


230623R4_2

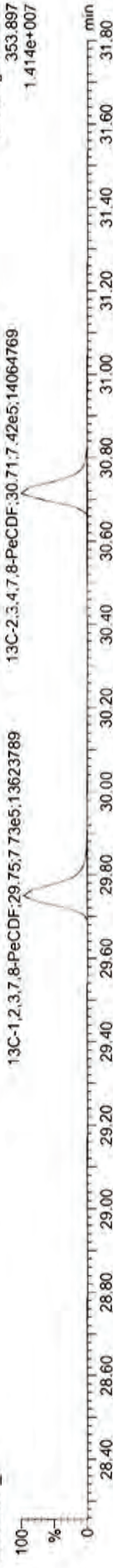


13C-1,2,3,7,8-PeCDF

230623R4_2



230623R4_2



DPE2

230623R4_2



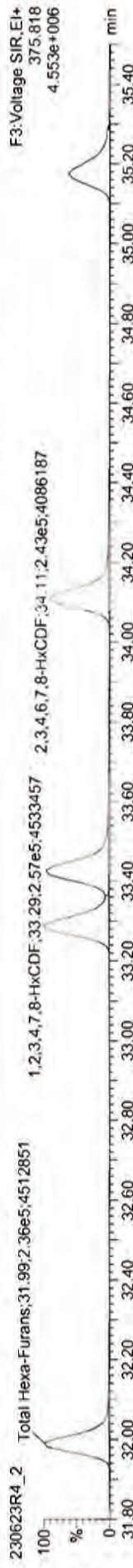
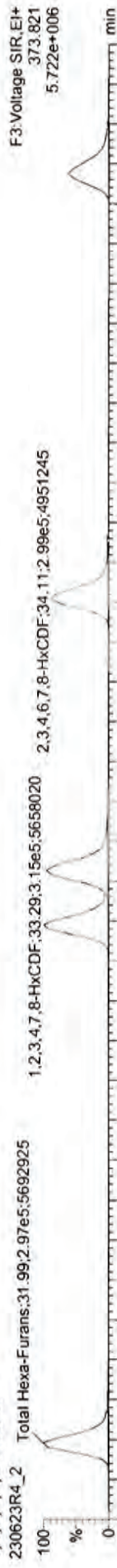


Dataset: Untitled

Last Altered: Monday, June 26, 2023 09:50:33 Pacific Daylight Time
Printed: Monday, June 26, 2023 09:52:12 Pacific Daylight Time

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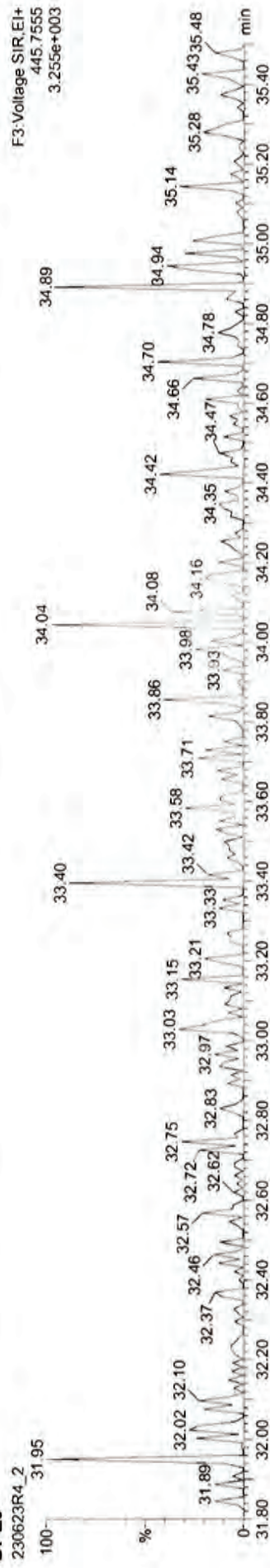
1,2,3,4,7,8-HxCDF

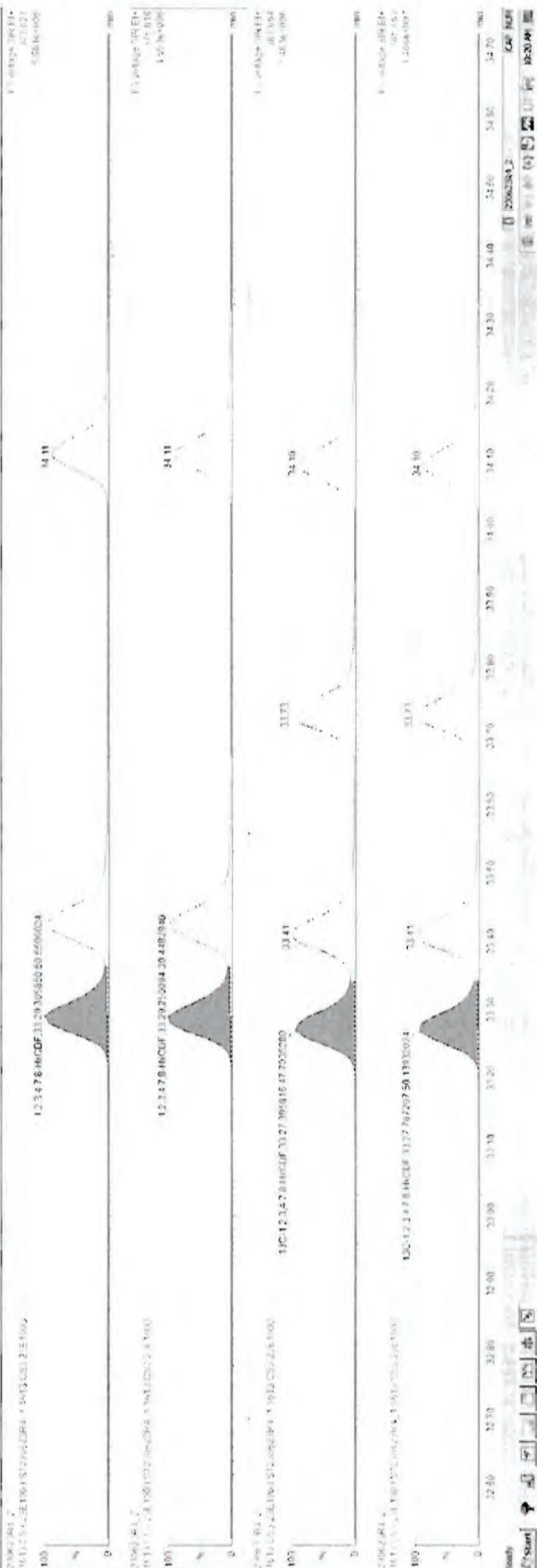


13C-1,2,3,4,7,8-HxCDF



DPE3

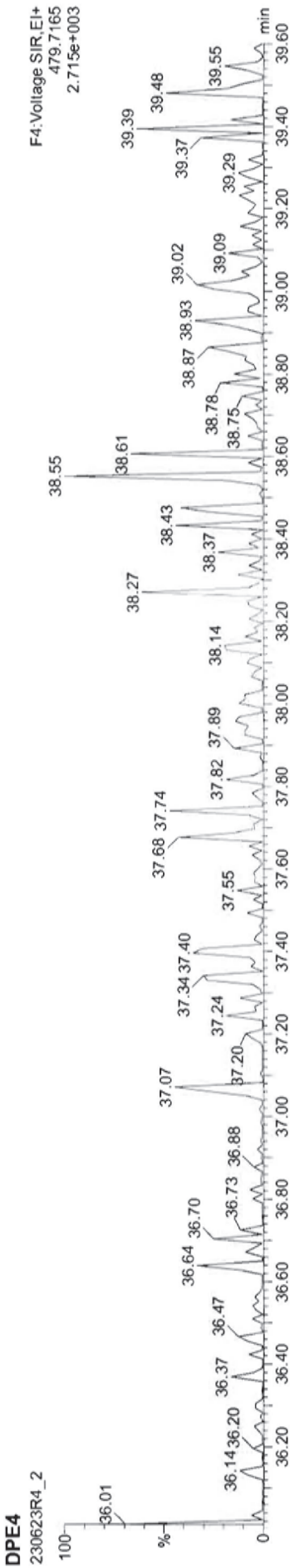
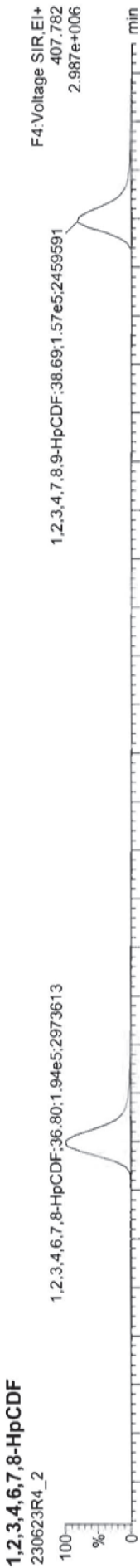


[illegible]

Dataset: Untitled

Last Altered: Monday, June 26, 2023 09:50:33 Pacific Daylight Time
Printed: Monday, June 26, 2023 09:52:12 Pacific Daylight Time

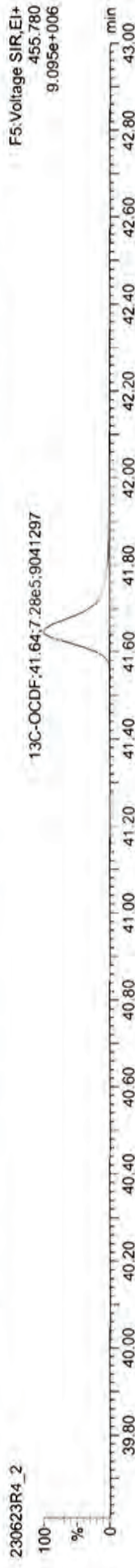
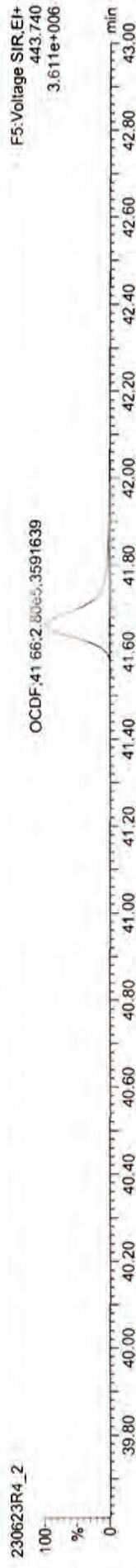
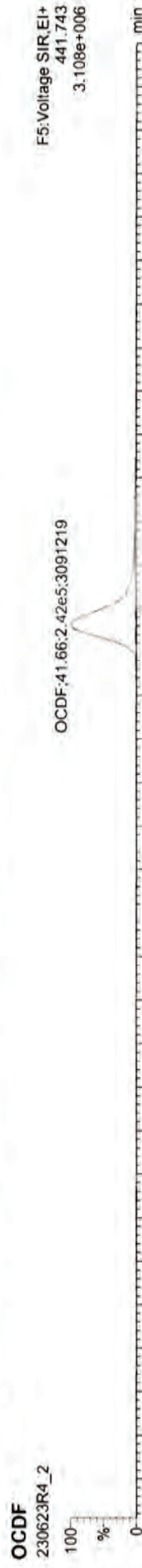
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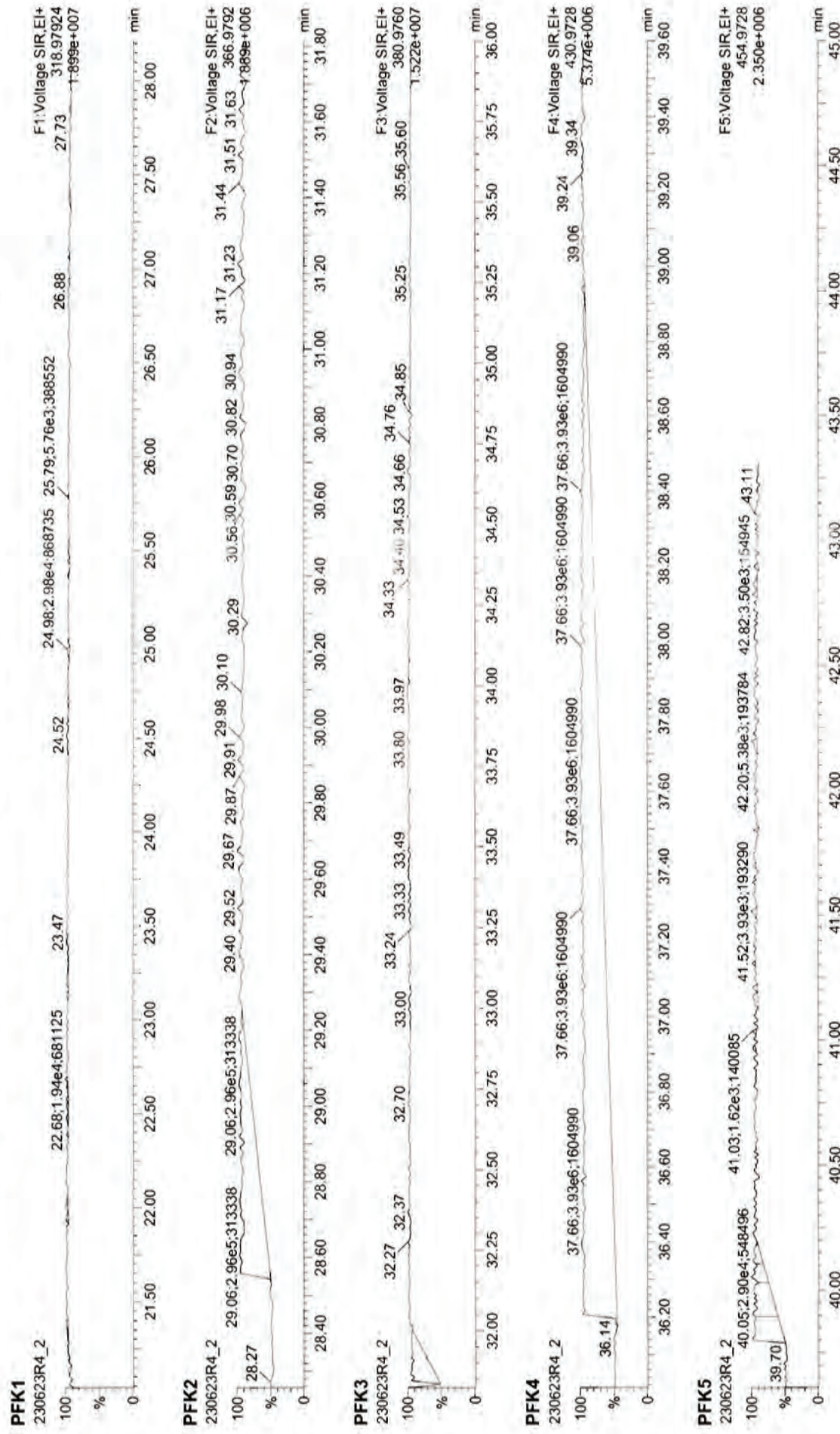
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Last Altered: Monday, June 26, 2023 09:50:33 Pacific Daylight Time
Printed: Monday, June 26, 2023 09:52:12 Pacific Daylight Time

Name: 230623R4_2, Date: 23-Jun-2023, Time: 23:53:48, ID: ST230623R4_1 1613 CS3 23E1003, Description: 1613 CS3 23E1003



Resolution Check Report

MassLynx 4.1 SCN815

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Printed: Saturday, June 24, 2023 12:04:59 Pacific Daylight Time

M 292.9824 R 10777



M 304.9824 R 10940



M 318.9792 R 10639



M 330.9792 R 9842 *OK*



M 342.9792 R 9843 *OK*



M 366.9792 R 10352



M 380.9760 R 9197 *OK*



M 392.9760 R 9142 *OK*



M 404.9760 R 9470 *OK*



M 416.9760 R 9957 *OK*



M 318.9792 R 10798



Resolution Check Report

MassLynx 4.1 SCN815

Printed: Saturday, June 24, 2023 12:04:59 Pacific Daylight Time

M 330.9792 R 10549



M 342.9792 R 10003



M 354.9792 R 11016



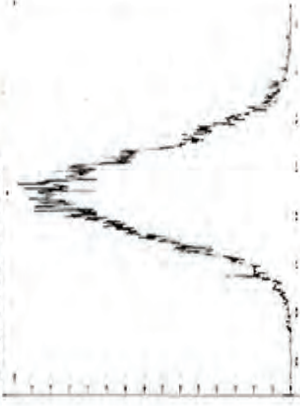
M 366.9792 R 10602



M 380.9760 R 9870 *OK*



M 392.9760 R 9962 *OK*



M 404.9760 R 9731 *OK*



M 416.9760 R 9417 *OK*



M 366.9792 R 11796



M 380.9760 R 10510



M 392.9760 R 10712



M 404.9760 R 10364

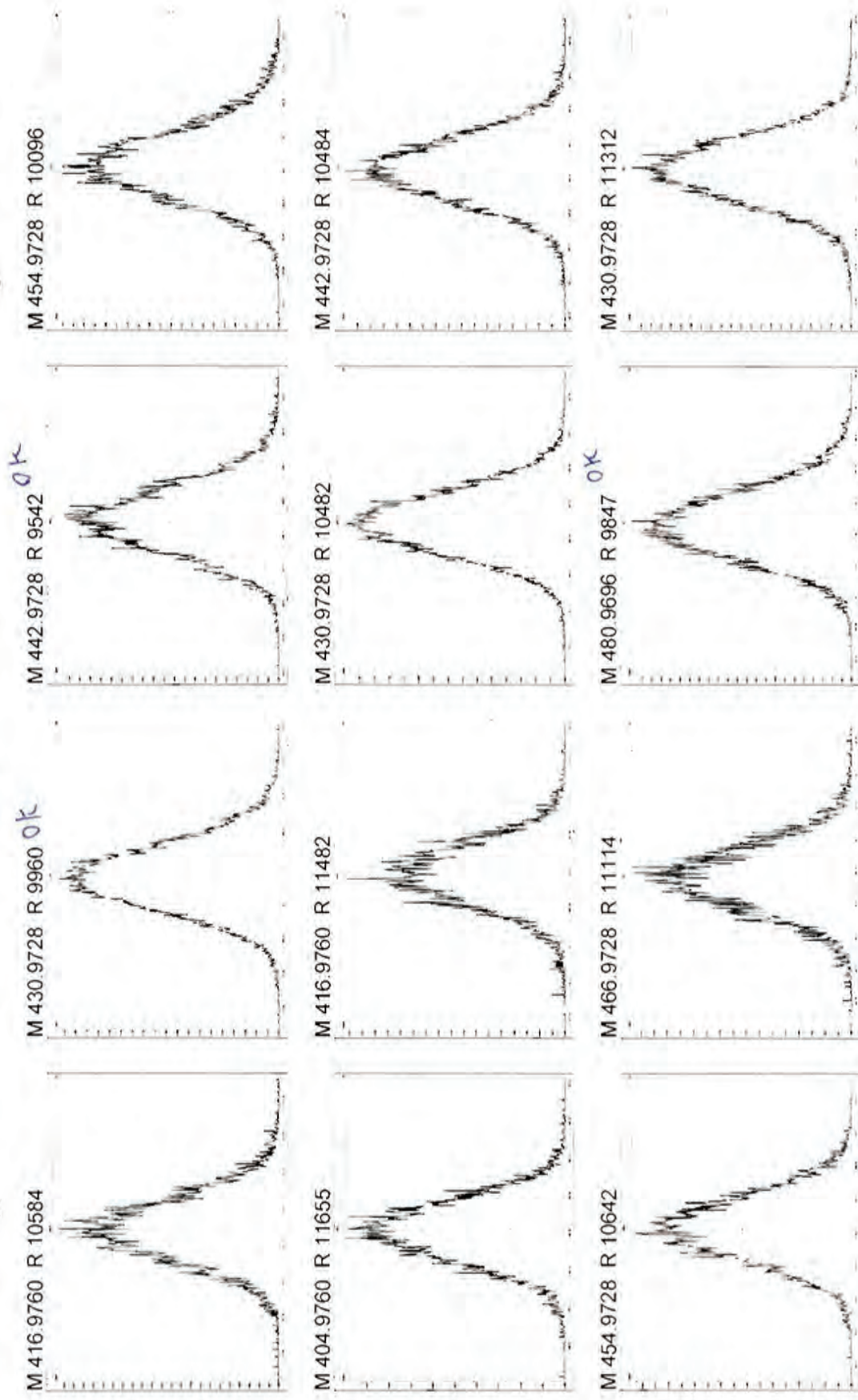


Resolution Check Report

MassLynx 4.1 SCN815

Page 3 of 4

Printed: Saturday, June 24, 2023 12:04:59 Pacific Daylight Time



Resolution Check Report

MassLynx 4.1 SCN815

Page 4 of 4

Printed: Saturday, June 24, 2023 12:04:59 Pacific Daylight Time

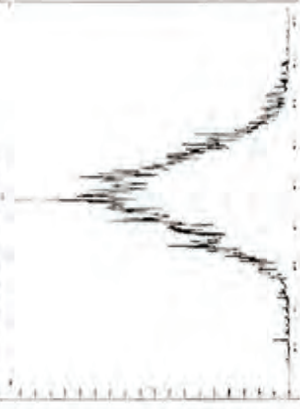
M 442.9728 R 11065



M 454.9728 R 11132



M 466.9728 R 11467



M 480.9696 R 10527



M 492.9696 R 10661



M 504.9696 R 10443



M 516.9697 R 11655



HRMS CALIBRATION STANDARDS REVIEW CHECKLIST

Beg. Calibration ID: ST230628R2-1

Reviewed By: Joe 06/29/23

Initials & Date

End Calibration ID: NA

	Beg.	End
Ion abundance within QC limits?	☒	☒
Concentrations within criteria?	☒	☒
TCDD/TCDF Valleys <25%	☒	☒
First and last eluters present?	☒	☒
Retention Times within criteria?	☒	☒
Verification Std. named correctly?	☒	☒
(ST-Year-Month-Day-VG ID)	☒	☒
Forms signed and dated?	☒	☒
Correct ICAL referenced?	☒	☒
<u>Run Log:</u>	☒	☒
- Correct instrument listed?	☒	☒
- Samples within 12 hour clock?	☒	☒
- Bottle position verified?	☒	☒

Mass resolution ≥

☐ 5k ☐ 6-8K ☐ 8K ☒ 10K

1614 1699 429 1613/1668/8280

Integrated peaks display correctly?

☒ NA

GC Break <20%

☒ NA

8280 CS1 End Standard:

- Ratios within limits, S/N <2.5:1, CS1 within 12 hours

☒ NA

Comments:

Dataset: Untitled

Last Altered: Thursday, June 29, 2023 08:18:57 Pacific Daylight Time
Printed: Thursday, June 29, 2023 08:19:17 Pacific Daylight Time

Method: C:\MassLynx\DEFAULT.PRO\MethDB\1613rrt-6-28-23.mdb 28 Jun 2023 14:17:36
Calibration: C:\MassLynx\DEFAULT.PRO\CurveDB\DIOLIN_1613vg12-6-25-23.cdb 26 Jun 2023 06:53:29

Name: 230628R2_1, Date: 28-Jun-2023, Time: 14:58:31, ID: ST230628R2_1 1613 CS3 23E1003, Description: 1613 CS3 23E1003

#	Name	Resp	IS Resp	RA	nY	RRE	Pred.RT	RT	RT Flag	Pred.RRT	RRT	Conc.	%Rec	STD out
1	1 2,3,7,8-TCDD	5.39e4	6.90e5	0.74	NO	0.839	26.39	26.37	NO	1.001	1.001	9.3106	93.1	NO
2	2 1,2,3,7,8-PeCDD	1.94e5	4.85e5	0.59	NO	0.714	30.71	30.70	NO	1.001	1.000	55.954	112	NO
3	3 1,2,3,4,7,8-HxCDD	1.64e5	3.85e5	1.27	NO	0.768	33.97	33.98	NO	1.000	1.001	55.567	111	NO
4	4 1,2,3,6,7,8-HxCDD	1.62e5	3.95e5	1.25	NO	0.703	34.11	34.10	NO	1.001	1.000	58.303	117	NO
5	5 1,2,3,7,8,9-HxCDD	1.69e5	4.19e5	1.27	NO	0.708	34.39	34.39	NO	1.001	1.001	56.901	114	NO
6	6 1,2,3,4,6,7,8-HpCDD	1.27e5	3.11e5	1.01	NO	0.703	37.78	37.78	NO	1.000	1.000	57.909	116	NO
7	7 OCDD	2.17e5	5.41e5	0.87	NO	0.678	41.05	41.04	NO	1.000	1.000	118.62	119	NO
8	8 2,3,7,8-TCDF	5.68e4	7.77e5	0.70	NO	0.678	25.75	25.75	NO	1.001	1.001	10.770	108	NO
9	9 1,2,3,7,8-PeCDF	2.77e5	6.76e5	1.60	NO	0.724	29.56	29.56	NO	1.001	1.001	56.630	113	NO
10	10 2,3,4,7,8-PeCDF	2.90e5	6.45e5	1.61	NO	0.808	30.54	30.54	NO	1.001	1.000	55.584	111	NO
11	11 1,2,3,4,7,8-HxCDF	1.81e5	4.40e5	1.21	NO	0.798	33.06	33.07	NO	1.000	1.001	51.402	103	NO
12	12 1,2,3,6,7,8-HxCDF	1.79e5	4.70e5	1.21	NO	0.763	33.20	33.21	NO	1.001	1.001	49.930	99.9	NO
13	13 2,3,4,6,7,8-HxCDF	1.66e5	4.25e5	1.20	NO	0.782	33.89	33.88	NO	1.001	1.000	49.811	99.6	NO
14	14 1,2,3,7,8,9-HxCDF	1.45e5	3.79e5	1.21	NO	0.748	34.91	34.92	NO	1.000	1.001	51.028	102	NO
15	15 1,2,3,4,6,7,8-HpCDF	1.18e5	2.99e5	0.99	NO	0.804	36.55	36.54	NO	1.000	1.000	49.171	98.3	NO
16	16 1,2,3,4,7,8,9-HpCDF	1.03e5	2.37e5	1.00	NO	0.820	38.47	38.47	NO	1.000	1.000	52.875	106	NO
17	17 OCDF	2.11e5	6.21e5	0.83	NO	0.631	41.37	41.39	NO	1.000	1.001	107.59	108	NO
18	18 13C-2,3,7,8-TCDD	6.90e5	6.02e5	0.75	NO	1.09	26.31	26.36	NO	1.026	1.028	105.38	105	NO
19	19 13C-1,2,3,7,8-PeCDD	4.85e5	6.02e5	0.60	NO	0.851	30.52	30.69	NO	1.190	1.197	94.584	94.6	NO
20	20 13C-1,2,3,4,7,8-HxCDD	3.85e5	4.51e5	1.23	NO	0.790	33.94	33.96	NO	1.013	1.014	108.00	108	NO
21	21 13C-1,2,3,6,7,8-HxCDD	3.95e5	4.51e5	1.22	NO	0.923	34.09	34.08	NO	1.018	1.018	94.879	94.9	NO
22	22 13C-1,2,3,7,8,9-HxCDD	4.19e5	4.51e5	1.22	NO	0.886	34.39	34.37	NO	1.026	1.026	104.87	105	NO
23	23 13C-1,2,3,4,6,7,8-HpCDD	3.11e5	4.51e5	1.06	NO	0.669	37.70	37.77	NO	1.125	1.128	102.92	103	NO
24	24 13C-OCDD	5.41e5	4.51e5	0.87	NO	0.576	41.03	41.03	NO	1.225	1.225	207.87	104	NO
25	25 13C-2,3,7,8-TCDF	7.77e5	7.99e5	0.75	NO	1.06	25.72	25.74	NO	1.003	1.003	91.587	91.6	NO
26	26 13C-1,2,3,7,8-PeCDF	6.76e5	7.99e5	1.56	NO	0.877	29.41	29.54	NO	1.147	1.152	96.582	96.6	NO
27	27 13C-2,3,4,7,8-PeCDF	6.45e5	7.99e5	1.55	NO	0.866	30.36	30.52	NO	1.184	1.190	93.259	93.3	NO
28	28 13C-1,2,3,4,7,8-HxCDF	4.40e5	4.51e5	0.49	NO	0.935	33.06	33.05	NO	0.987	0.987	104.29	104	NO
29	29 13C-1,2,3,6,7,8-HxCDF	4.70e5	4.51e5	0.49	NO	1.06	33.18	33.18	NO	0.990	0.991	98.342	98.3	NO
30	30 13C-2,3,4,6,7,8-HxCDF	4.25e5	4.51e5	0.49	NO	0.930	33.85	33.87	NO	1.010	1.011	101.37	101	NO

Dataset: Untitled

Last Altered: Thursday, June 29, 2023 08:18:57 Pacific Daylight Time
Printed: Thursday, June 29, 2023 08:19:17 Pacific Daylight Time

Name: 230628R2_1, Date: 28-Jun-2023, Time: 14:58:31, ID: ST230628R2_1 1613 CS3 23E1003, Description: 1613 CS3 23E1003

	#	Name	Resp	IS Resp	RA	n/y	RRF	Pred.RT	RT	RT Flag	Pred.RRT	RRT	Conc.	%Rec	STD out
31	31	13C-1,2,3,7,8,9-HxCDF	3.79e5	4.51e5	0.49	NO	0.827	34.91	34.90	NO	1.042	1.042	101.48	101	NO
32	32	13C-1,2,3,4,6,7,8-HpCDF	2.99e5	4.51e5	0.39	NO	0.697	36.51	36.53	NO	1.090	1.090	95.079	95.1	NO
33	33	13C-1,2,3,4,7,8,9-HpCDF	2.37e5	4.51e5	0.38	NO	0.560	38.38	38.46	NO	1.146	1.148	93.705	93.7	NO
34	34	13C-OCDF	6.21e5	4.51e5	0.87	NO	0.695	41.36	41.37	NO	1.235	1.235	198.04	99.0	NO
35	35	37Cl-2,3,7,8-TCDD	5.54e4	6.02e5			0.870	26.32	26.37	NO	1.026	1.028	10.586	106	NO
36	36	13C-1,2,3,4-TCDD	6.02e5	6.02e5	0.76	NO	1.00	25.66	25.65	NO	1.000	1.000	100.00	100	NO
37	37	13C-1,2,3,4-TCDF	7.99e5	7.99e5	0.76	NO	1.00	24.31	24.32	NO	1.000	1.000	100.00	100	NO
38	38	13C-1,2,3,4,6,9-HxCDF	4.51e5	4.51e5	0.48	NO	1.00	33.50	33.50	NO	1.000	1.000	100.00	100	YES

OK

Quantify Compound Summary Report **MassLynx 4.1 SCN815**
 Enthalpy Analytical EDH VG-12

Dataset: Untitled

Last Altered: Thursday, June 29, 2023 08:09 Pacific Daylight Time
 Printed: Thursday, June 29, 2023 08:08:36 Pacific Daylight Time

Method: C:\MassLynx\DEFAULT.PRO\MethDB\1613rrt-6-28-23.mdb 28 Jun 2023 14:17:36
 Calibration: C:\MassLynx\DEFAULT.PRO\CurveDB\DIODIN_1613vg12-6-25-23.cdb 26 Jun 2023 06:53:29

Compound name: 2,3,7,8-TCDF

	Name	ID	Acq.Date	Acq.Time
1	230628R2_1	ST230628R2_1 1613 CS3 23E1003	28-Jun-23	14:58:31
2	230628R2_2	B23F028-BS1 OPR 10	28-Jun-23	15:45:27
3	230628R2_3	SOLVENT BLANK	28-Jun-23	16:30:00
4	230628R2_4	B23F028-BLK1 Method Blank 10	28-Jun-23	17:15:07
5	230628R2_5	B23F062-DUP1 Duplicate 11.52	28-Jun-23	18:00:12
6	230628R2_6	2305194-08 PDI-225RAB-28-29-230517 12.74	28-Jun-23	18:45:20
7	230628R2_7	2305194-09 PDI-226RAB-19-20-2-230515 11.43	28-Jun-23	19:30:26
8	230628R2_8	2305167-01 T4-SPDI-SC05-230511-01-03- 16...	28-Jun-23	20:15:23
9	230628R2_9	2305167-02 T4-SPDI-SC05-230511-03-05 15.43	28-Jun-23	21:00:23
10	230628R2_10	2305167-03 T4-SPDI-SC105-230511-01-03 16...	28-Jun-23	21:45:30
11	230628R2_11	2305167-03 T4-SPDI-SC105-230511-01-03 16...	28-Jun-23	22:30:36
12	230628R2_12	B23F058-MS1 Matrix Spike 0.96411	28-Jun-23	23:15:43
13	230628R2_13	B23F058-MSD1 Matrix Spike Dup 0.96446	29-Jun-23	00:00:51
14	230628R2_14	2304058-01RE1@3X Eff. Comp 1.05134	29-Jun-23	00:45:56
15	230628R2_15	2304058-01RE1@5X Eff. Comp 1.05134	29-Jun-23	01:31:02
16	230628R2_16	2305023-04RE1@10X PS63-SS-04 3.8	29-Jun-23	02:16:03

Experiment Calibration Report

MassLynx 4.1 SCN815

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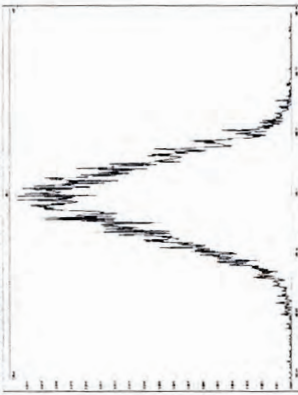
File: Experiment: OCDD_DIOXIN.exp Reference: Pfk.ref Function: 1 @ 200 (ppm)

Printed: Wednesday, June 28, 2023 14:55:48 Pacific Daylight Time

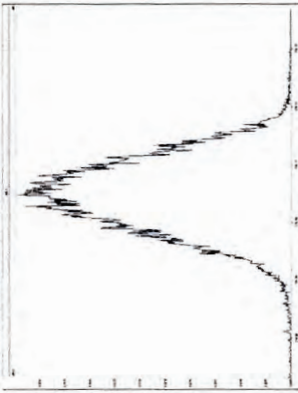
M 292.9824 R 11961



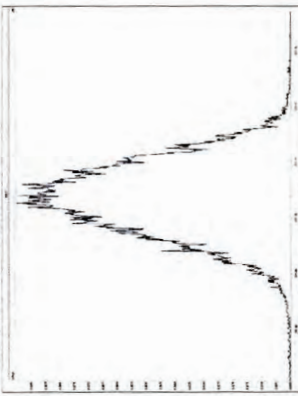
M 304.9824 R 11789



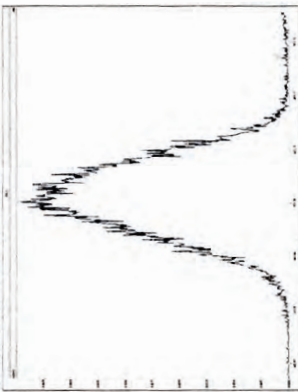
M 318.9792 R 11629



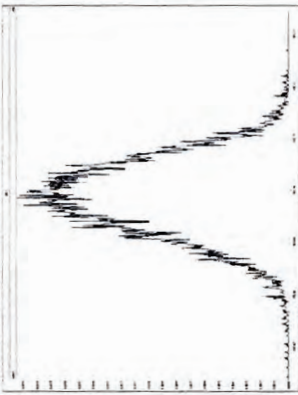
M 330.9792 R 12135



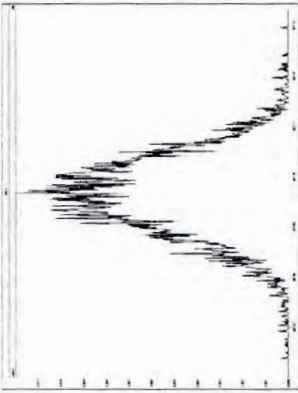
M 342.9792 R 11314



M 354.9792 R 11416



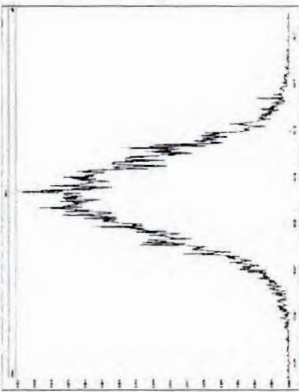
M 366.9792 R 11209



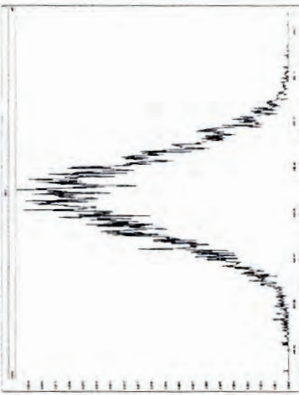
M 380.9760 R 10773



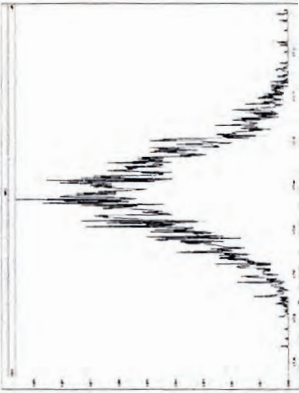
M 392.9760 R 10413



M 404.9760 R 10203



M 416.9760 R 10458



Experiment Calibration Report

MassLynx 4.1 SCN815

File: Experiment: OCDD_DIOXIN.exp Reference: Pfk.ref Function: 2 @ 200 (ppm)

Printed: Wednesday, June 28, 2023 14:56:20 Pacific Daylight Time

M 318.9792 R 11576



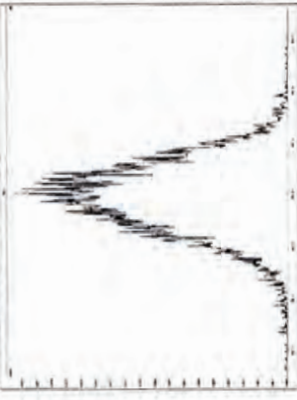
M 330.9792 R 11313



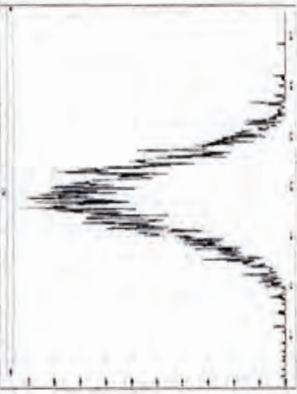
M 342.9792 R 11362



M 354.9792 R 12317



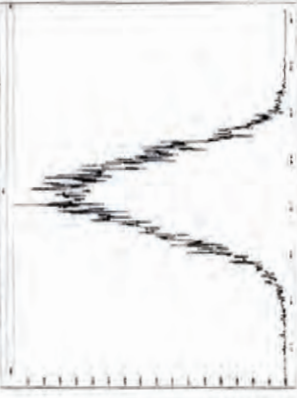
M 366.9792 R 12438



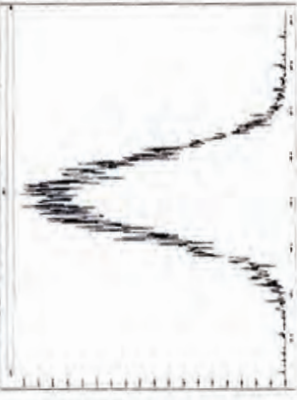
M 380.9760 R 11061



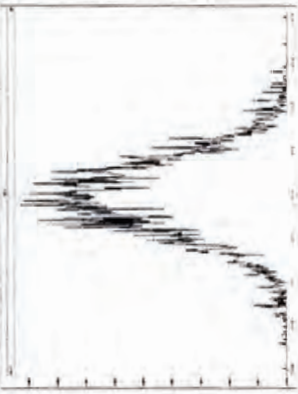
M 392.9760 R 11108



M 404.9760 R 12077



M 416.9760 R 11907



Experiment Calibration Report

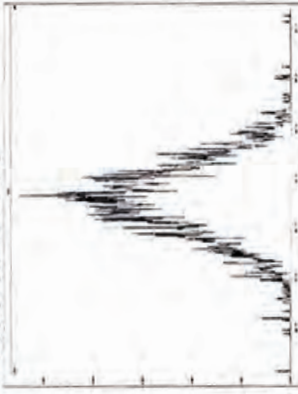
MassLynx 4.1 SCN815

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File: Experiment: OCDD_DIOXIN.exp Reference: Pfk.ref Function: 3 @ 200 (ppm)

Printed: Wednesday, June 28, 2023 14:56:47 Pacific Daylight Time

M 366.9792 R 14126



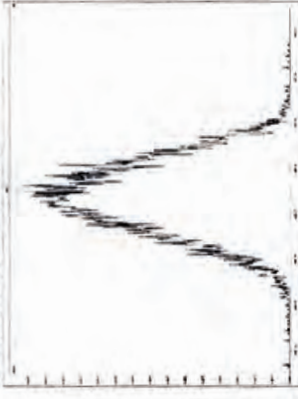
M 380.9760 R 11468



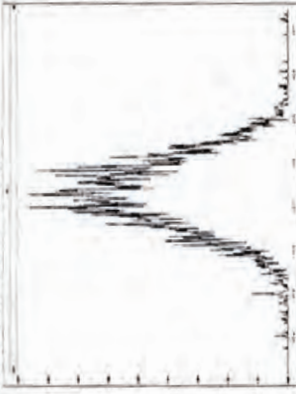
M 392.9760 R 11577



M 404.9760 R 12564



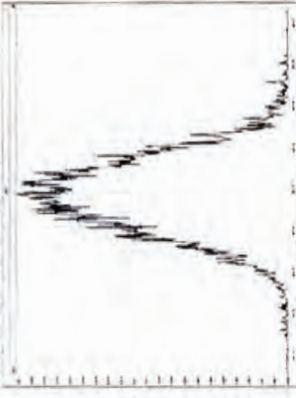
M 416.9760 R 12135



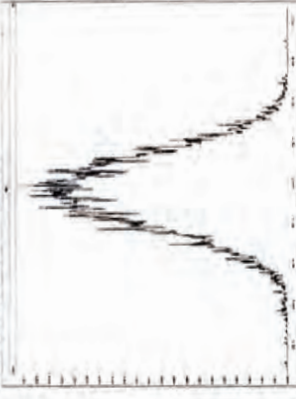
M 430.9728 R 11847



M 442.9728 R 12623



M 454.9728 R 11467



Experiment Calibration Report

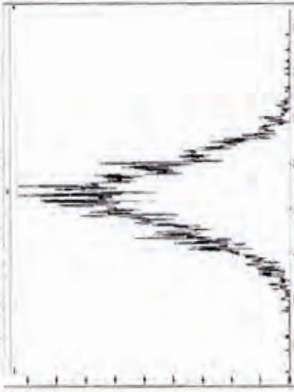
MassLynx 4.1 SCN815

Page 1 of 1

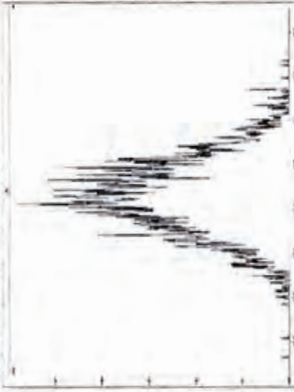
File: Experiment: OCDD_DIOXIN.exp Reference: Pfk.ref Function: 4 @ 200 (ppm)

Printed: Wednesday, June 28, 2023 14:57:10 Pacific Daylight Time

M 404.9760 R 12435



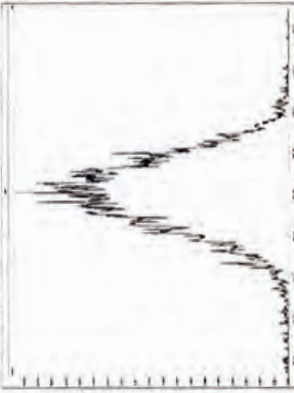
M 416.9760 R 12887



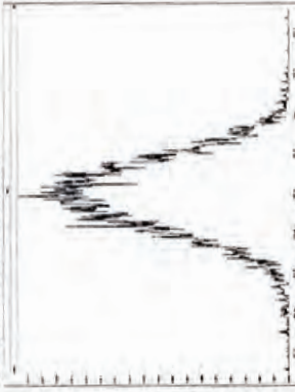
M 430.9728 R 11627



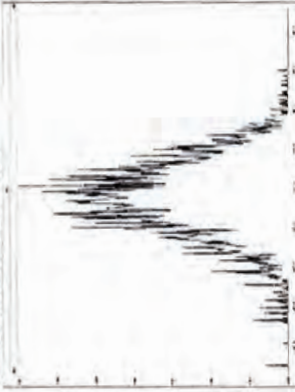
M 442.9728 R 12560



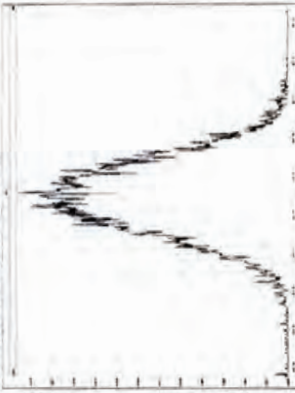
M 454.9728 R 12816



M 466.9728 R 12194



M 480.9696 R 11572



Experiment Calibration Report

MassLynx 4.1 SCN815

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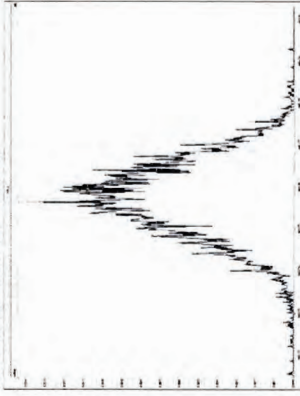
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Printed: Wednesday, June 28, 2023 14:57:41 Pacific Daylight Time

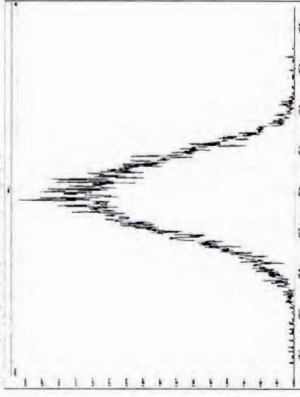
M 430.9728 R 11416



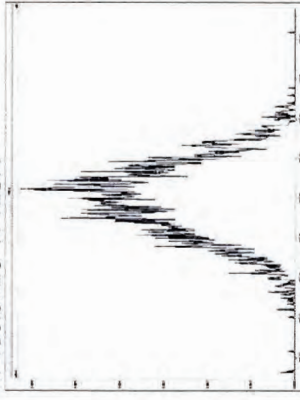
M 442.9728 R 12314



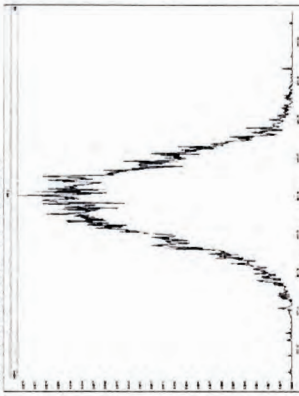
M 454.9728 R 11630



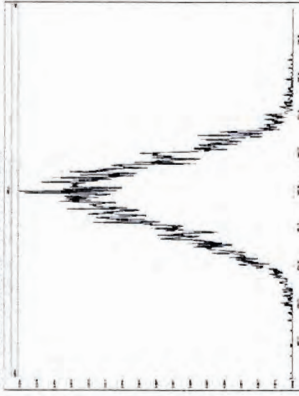
M 466.9728 R 12377



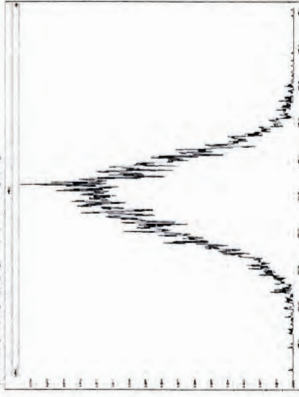
M 480.9696 R 12077



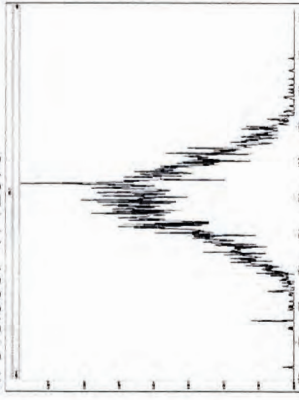
M 492.9696 R 11903



M 504.9696 R 11679



M 516.9697 R 12076



Dataset: Untitled

Last Altered: Thursday, June 29, 2023 08:45:53 Pacific Daylight Time
Printed: Thursday, June 29, 2023 08:47:13 Pacific Daylight Time

Method: C:\MassLynx\Default.pro\Methdb\CPSM.mdb 29 Jun 2023 08:31:49

Calibration: C:\MassLynx\DEFAULT.PRO\CurveDB\dbDIOXIN_1613vg12-6-25-23.cdb 26 Jun 2023 06:53:29

Name: 230628R2_1, Date: 28-Jun-2023, Time: 14:58:31, ID: ST230628R2_1 1613 CS3 23E1003, Description: 1613 CS3 23E1003

	# Name	RT
1	1 1,3,6,8-TCDD (First)	22.94
2	2 1,2,8,9-TCDD (Last)	27.20
3	3 1,2,4,7,9-PeCDD (First)	28.61
4	4 1,2,3,8,9-PeCDD (Last)	31.05
5	5 1,2,4,6,7,9-HxCDD (First)	32.32
6	6 1,2,3,7,8,9-HxCDD (Last)	34.39
7	7 1,2,3,4,6,7,9-HpCDD (First)	36.88
8	8 1,2,3,4,6,7,8-HpCDD (Last)	37.78
9	9 1,3,6,8-TCDF (First)	20.78
10	10 1,2,8,9-TCDF (Last)	27.49
11	11 1,3,4,6,8-PeCDF (First)	27.08
12	12 1,2,3,8,9-PeCDF (Last)	31.40
13	13 1,2,3,4,6,8-HxCDF (First)	31.79
14	14 1,2,3,7,8,9-HxCDF (Last)	34.92
15	15 1,2,3,4,6,7,8-HpCDF (First)	36.54
16	16 1,2,3,4,7,8,9-HpCDF (Last)	38.47

Dataset: Untitled

Last Altered: Thursday, June 29, 2023 08:45:53 Pacific Daylight Time
Printed: Thursday, June 29, 2023 08:47:13 Pacific Daylight Time

Method: C:\MassLynx\Default.pro\Methdb\CPSM.mdb 29 Jun 2023 08:31:49
Calibration: C:\MassLynx\DEFAULT.PRO\CurveDB\DIODXIN_1613vg12-6-25-23.cdb 26 Jun 2023 06:53:29
Name: 230628R2_1, Date: 28-Jun-2023, Time: 14:58:31, ID: ST230628R2_1 1613 CS3 23E1003, Description: 1613 CS3 23E1003

1,3,6,8-TCDD (First)



230628R2_1

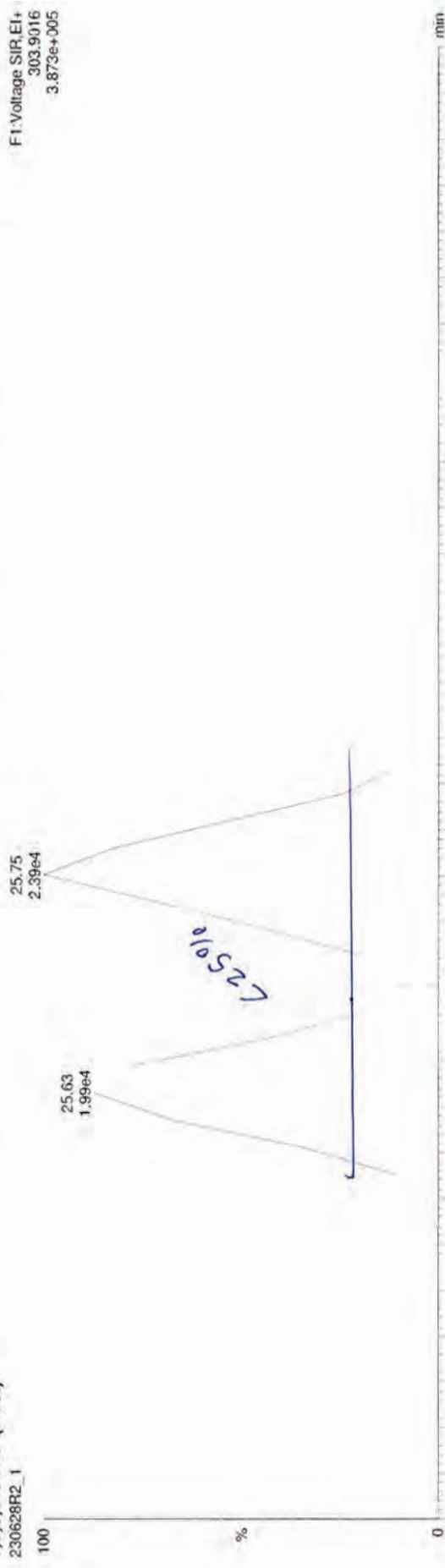


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Name: 230628R2_1, Date: 28-Jun-2023, Time: 14:58:31, ID: ST230628R2_1 1613 CS3 23E1003, Description: 1613 CS3 23E1003

1,3,6,8-TCDF (First)

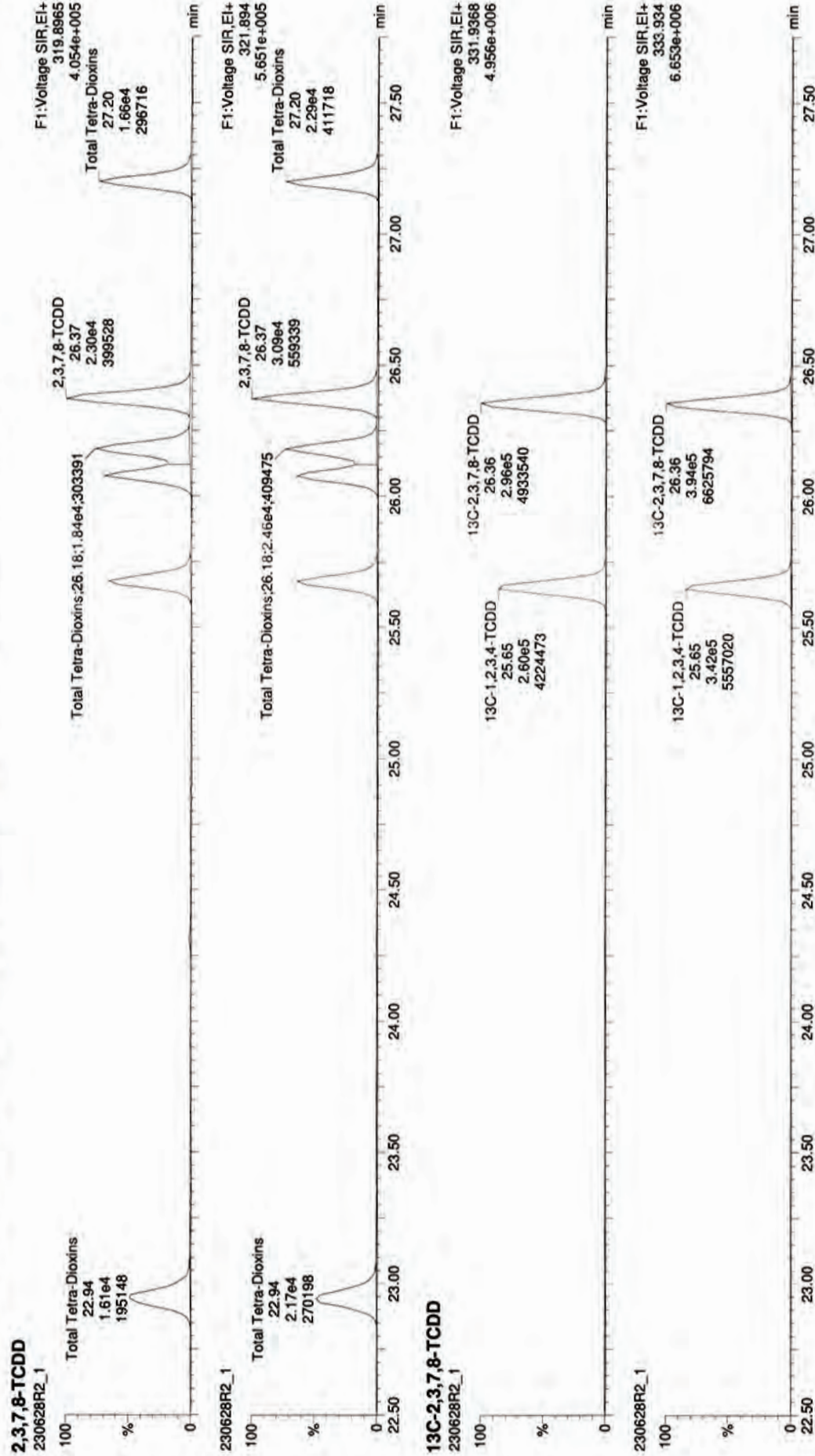


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Printed: Thursday, June 29, 2023 08:38:52 Pacific Daylight Time

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Calibration: C:\MassLynx\DEFAULT.PRO\CurveDB\dbDIOXIN_1613vg12-6-25-23.cdb 26 Jun 2023 06:53:29

Name: 230628R2_1, Date: 28-Jun-2023, Time: 14:58:31, ID: ST230628R2_1 1613 CS3 23E1003, Description: 1613 CS3 23E1003



Dataset: Untitled

Last Altered: Thursday, June 29, 2023 08:32:39 Pacific Daylight Time
Printed: Thursday, June 29, 2023 08:38:52 Pacific Daylight Time

Name: 230628R2_1, Date: 28-Jun-2023, Time: 14:58:31, ID: ST230628R2_1 1613 CS3 23E1003, Description: 1613 CS3 23E1003

37Cl-2,3,7,8-TCDD

230628R2_1

37Cl-2,3,7,8-TCDD
26.37
5.54e4
945020
F1: Voltage SIR, EI+
327.884
9.487e+005



13C-1,2,3,4-TCDD

230628R2_1

13C-1,2,3,4-TCDD
25.65
2.60e5
4224473
13C-2,3,7,8-TCDD
26.36
2.96e5
4933540
F1: Voltage SIR, EI+
331.9368
4.956e+006



230628R2_1

13C-1,2,3,4-TCDD
25.65
3.42e5
5557020
13C-2,3,7,8-TCDD
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333.934
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Dataset: Untitled

Last Altered: Thursday, June 29, 2023 08:32:39 Pacific Daylight Time
Printed: Thursday, June 29, 2023 08:38:52 Pacific Daylight Time

Name: 230628R2_1, Date: 28-Jun-2023, Time: 14:58:31, ID: ST230628R2_1 1613 CS3 23E1003, Description: 1613 CS3 23E1003

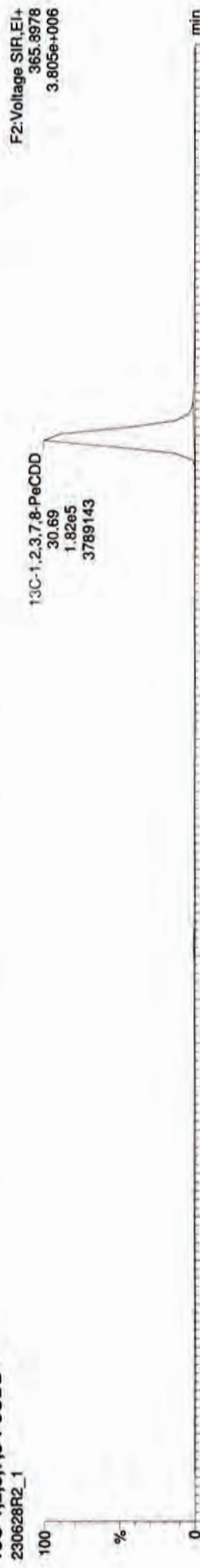
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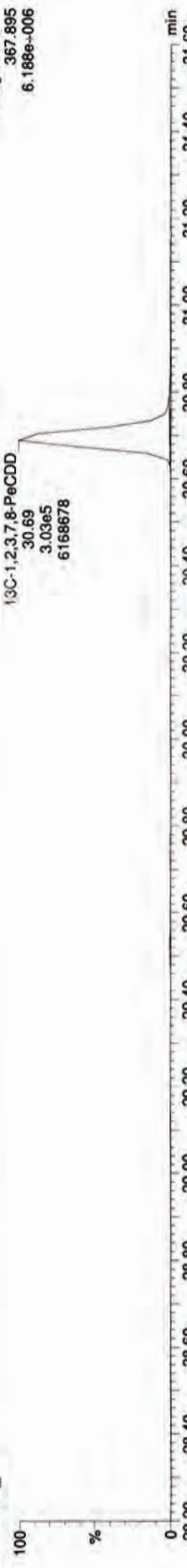
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13C-1,2,3,7,8-PeCDD



230628R2_1

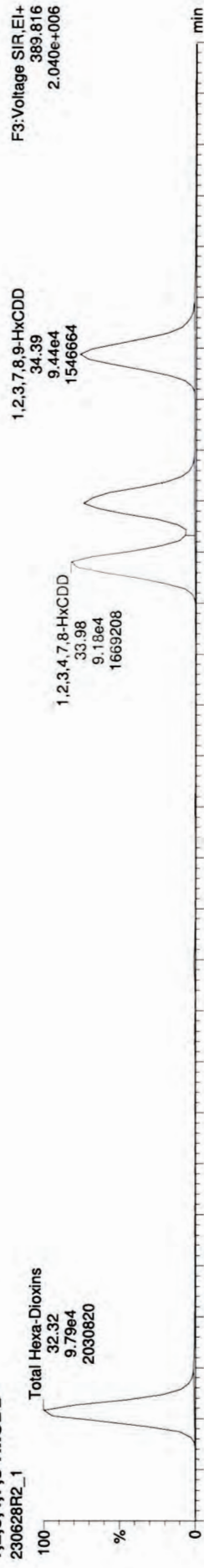


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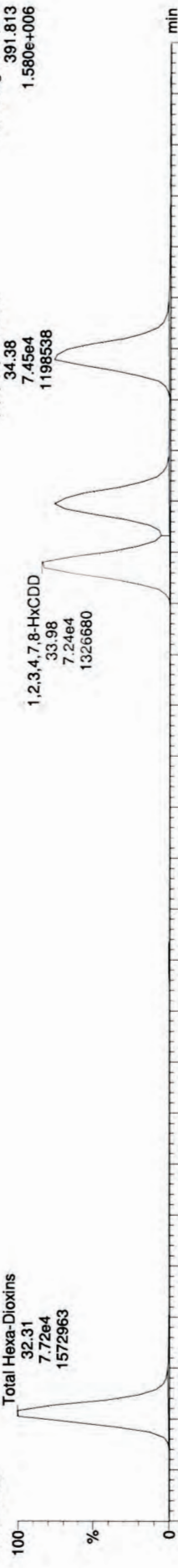
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1,2,3,4,7,8-HxCDD



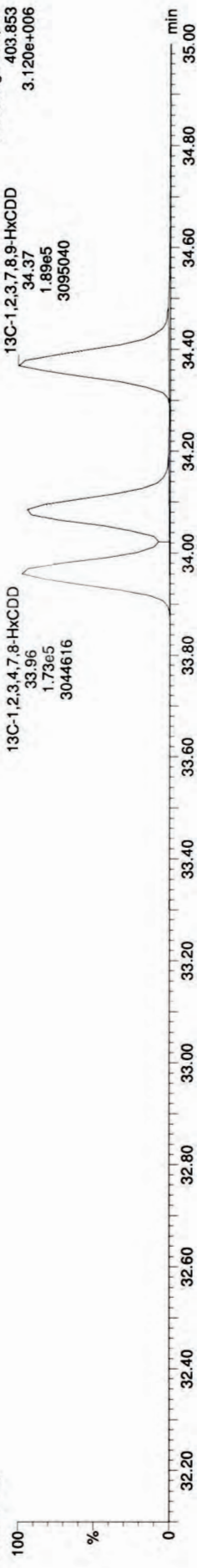
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13C-1,2,3,4,7,8-HxCDD



230628R2_1



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Printed: Thursday, June 29, 2023 08:38:52 Pacific Daylight Time

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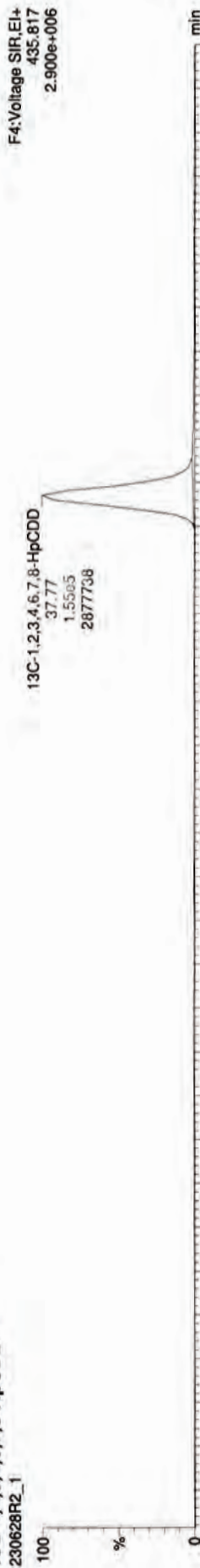
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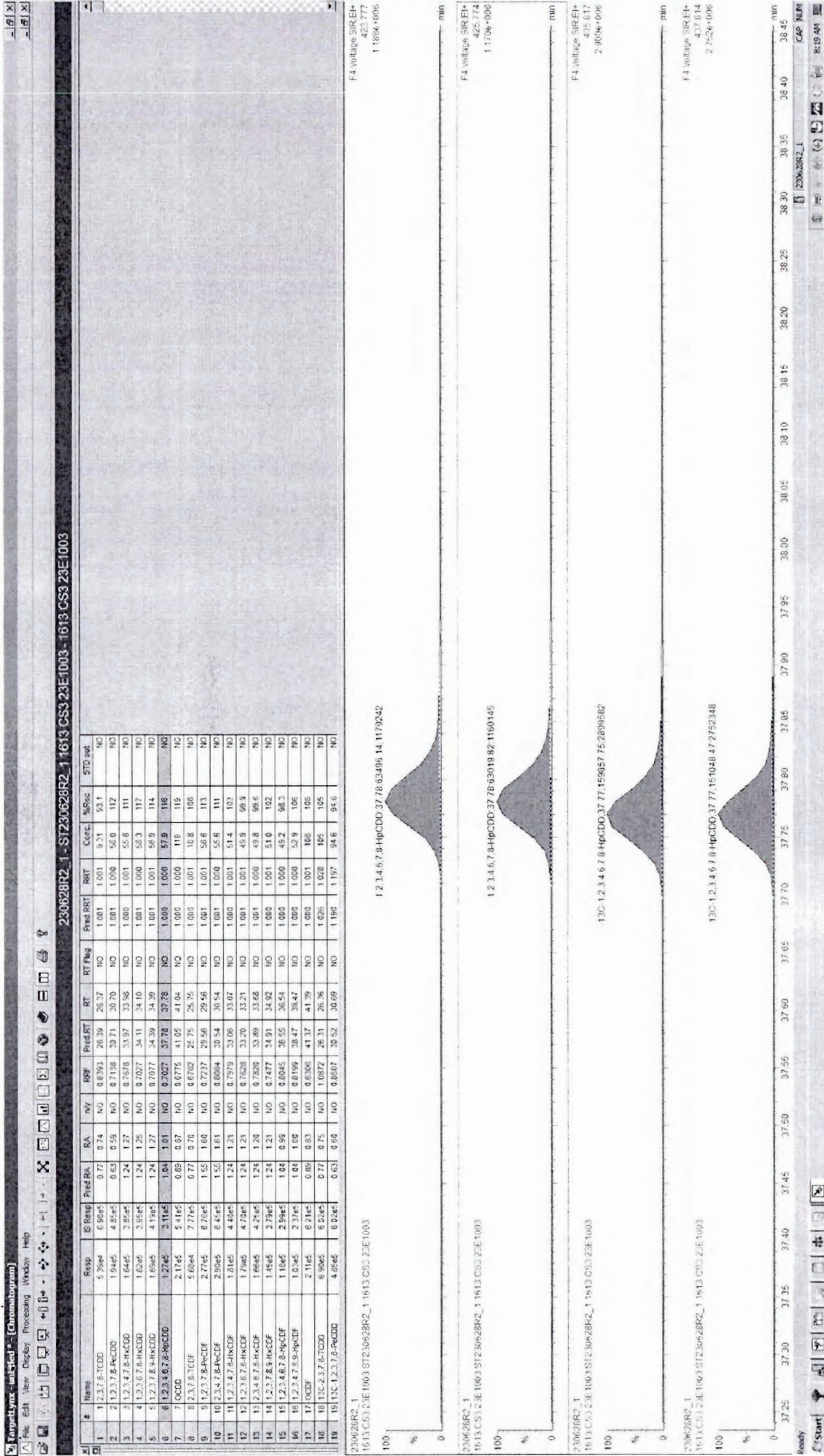


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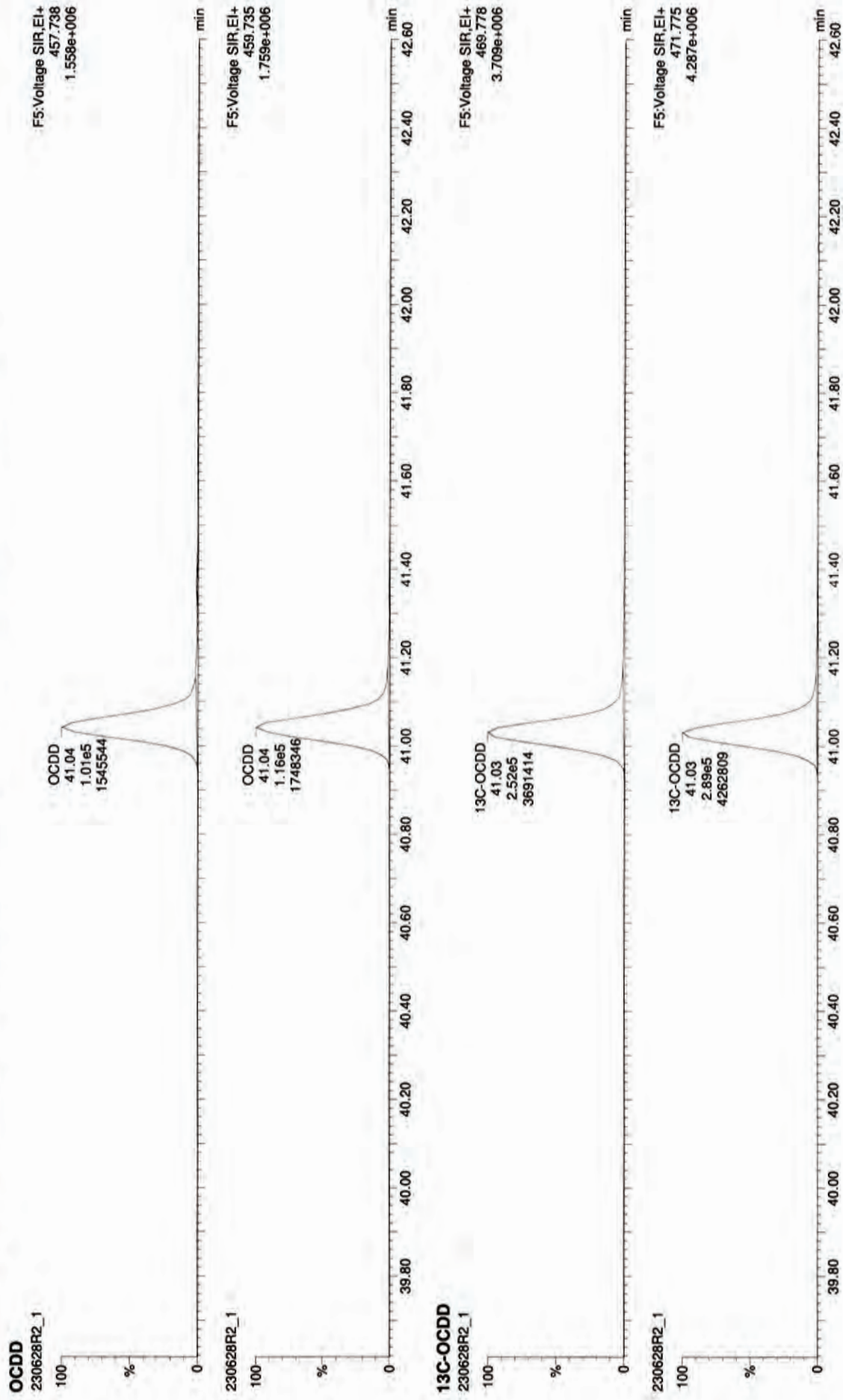




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Printed: Thursday, June 29, 2023 08:38:52 Pacific Daylight Time

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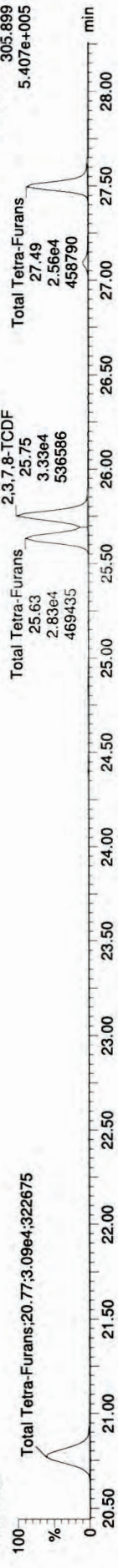
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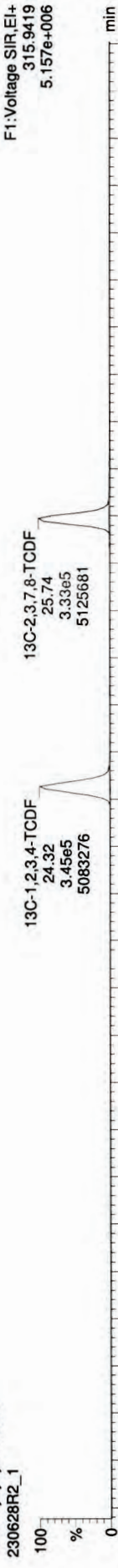
2,3,7,8-TCDF



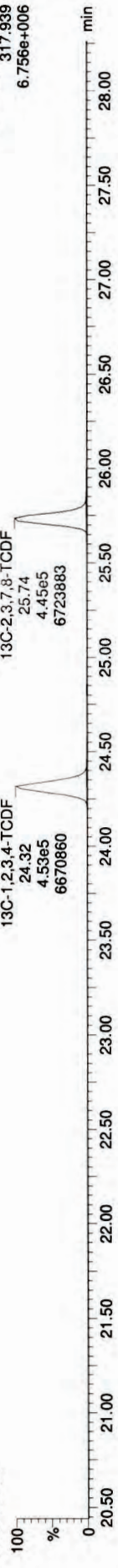
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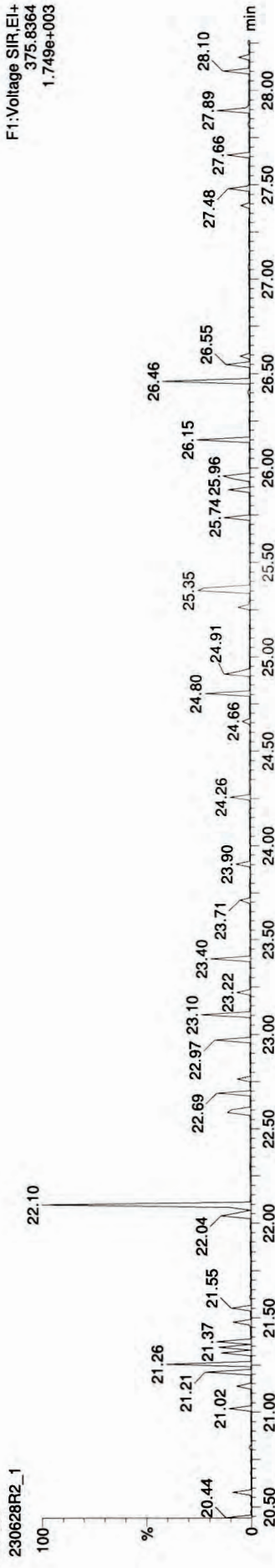
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230628R2_1



DPE1



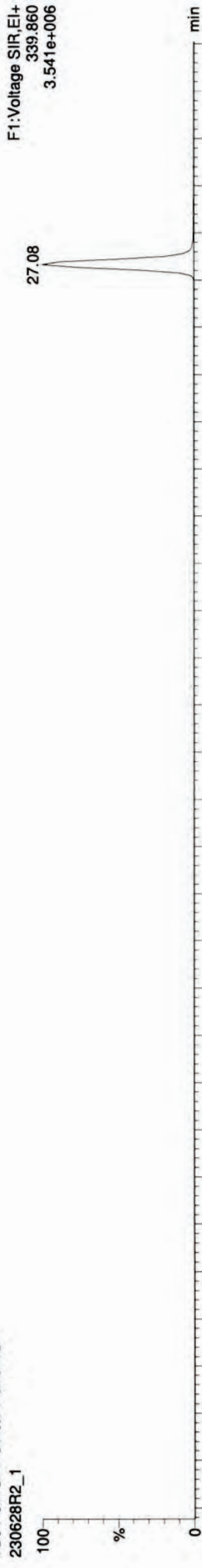
Quantify Sample Report
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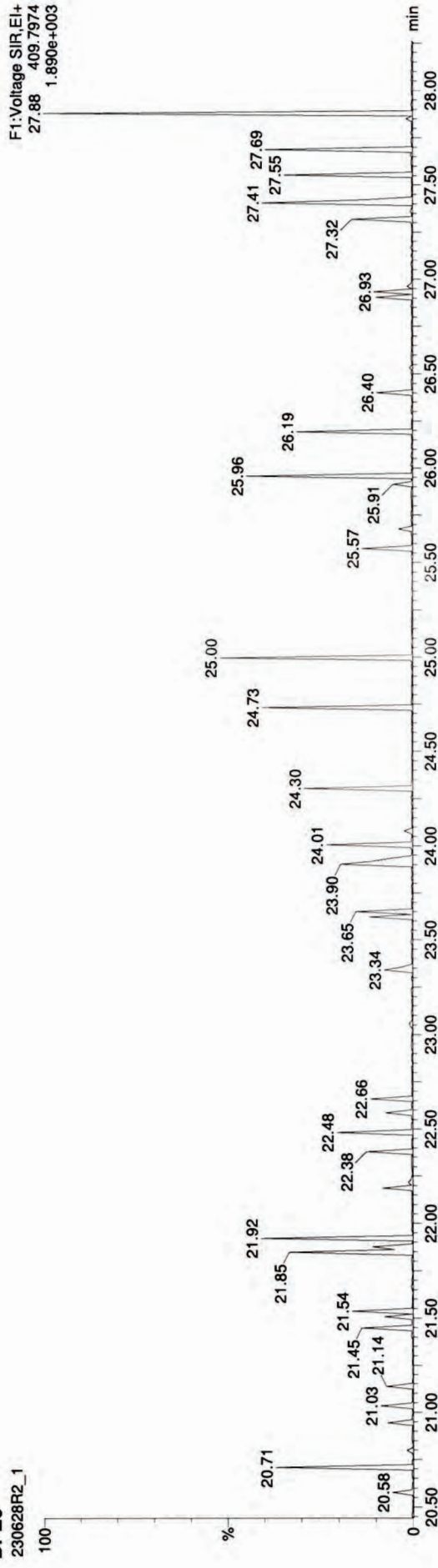
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Printed: Thursday, June 29, 2023 08:38:52 Pacific Daylight Time

Name: 230628R2_1, Date: 28-Jun-2023, Time: 14:58:31, ID: ST230628R2_1 1613 CS3 23E1003, Description: 1613 CS3 23E1003

1st Func. Penta-Furans



DPE6



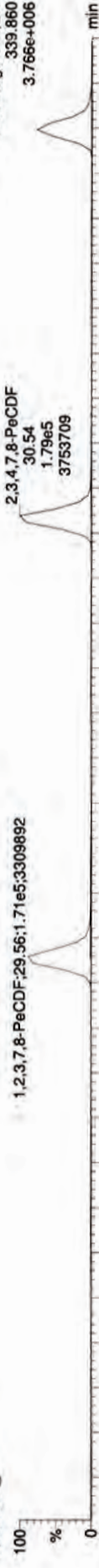
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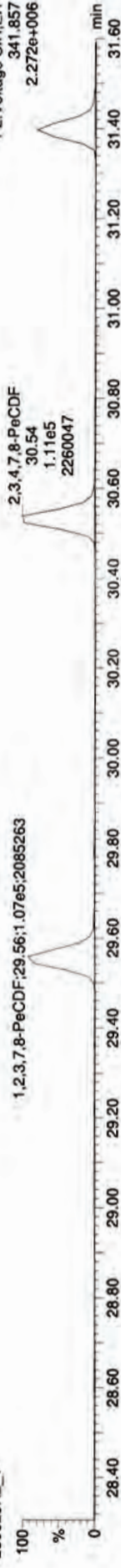
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1,2,3,7,8-PeCDF

230628R2_1

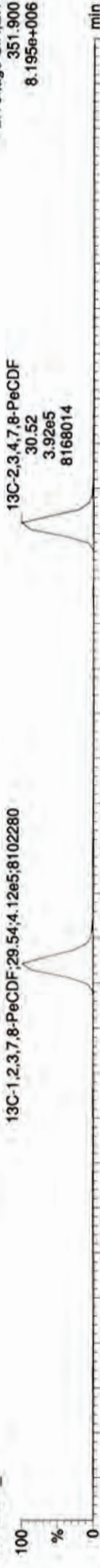


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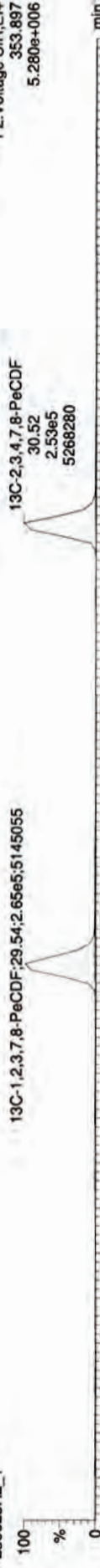


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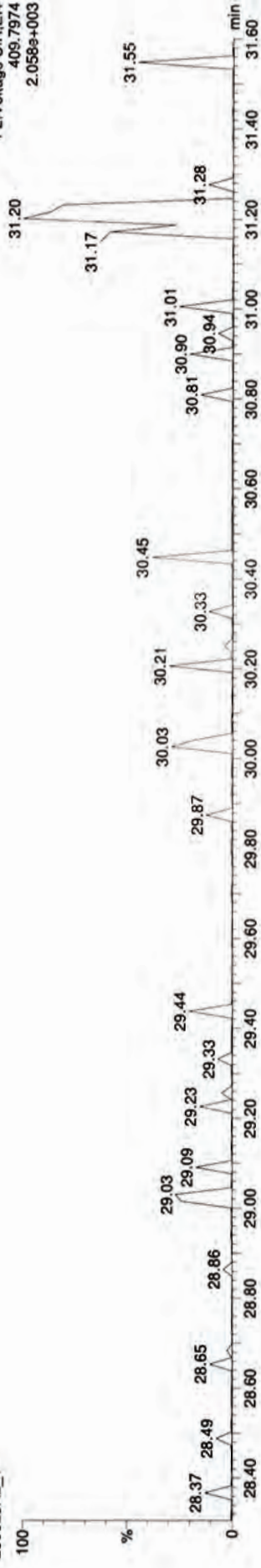


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DPE2

230628R2_1

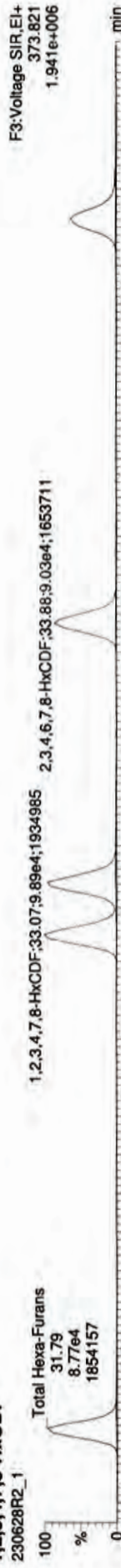


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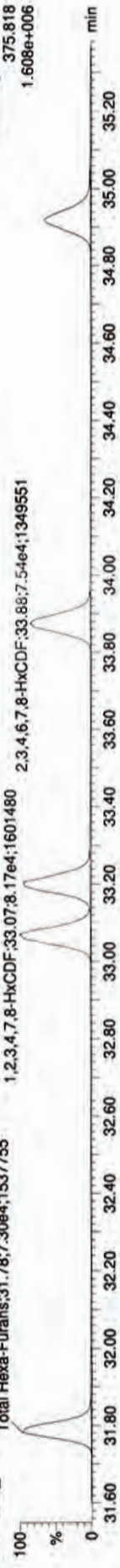
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Printed: Thursday, June 29, 2023 08:38:52 Pacific Daylight Time

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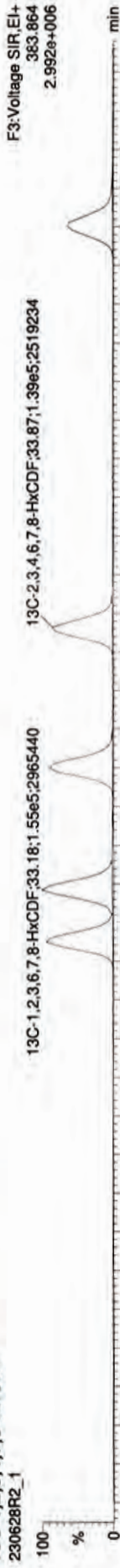
1,2,3,4,7,8-HxCDF



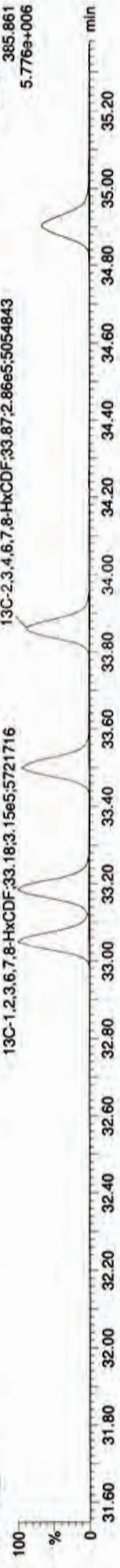
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13C-1,2,3,4,7,8-HxCDF



230628R2_1



DPE3



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1,2,3,4,6,7,8-HpCDF

230628R2_1
100 %
0

1,2,3,4,6,7,8-HpCDF:36.54;5.90e4;865526

1,2,3,4,7,8,9-HpCDF:38.47;5.14e4;826736
F4:Voltage SIR,El+
407.782
8.702e+005

230628R2_1

100 %
0

1,2,3,4,6,7,8-HpCDF:36.54;5.93e4;896904

1,2,3,4,7,8,9-HpCDF:38.47;5.13e4;822671
F4:Voltage SIR,El+
409.779
9.015e+005

13C-1,2,3,4,6,7,8-HpCDF

230628R2_1

100 %
0

13C-1,2,3,4,6,7,8-HpCDF:36.53;8.41e4;1225624

13C-1,2,3,4,7,8,9-HpCDF:38.46;6.57e4;1051688
F4:Voltage SIR,El+
417.825
1.232e+006

230628R2_1

100 %
0

13C-1,2,3,4,6,7,8-HpCDF:36.53;2.15e5;3091882

13C-1,2,3,4,7,8,9-HpCDF:38.45;1.71e5;2707845
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3.107e+006

DPE4

230628R2_1

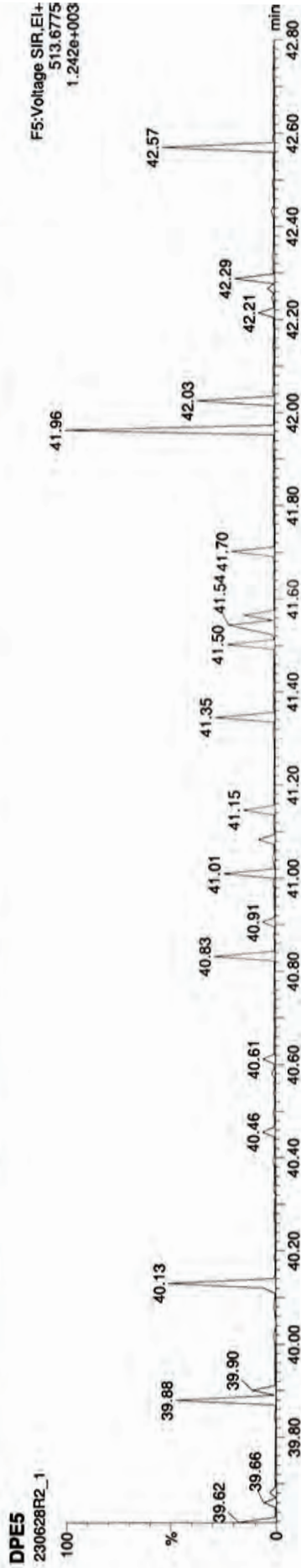
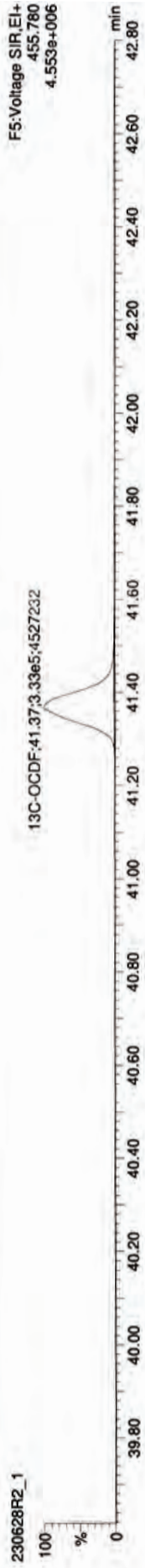
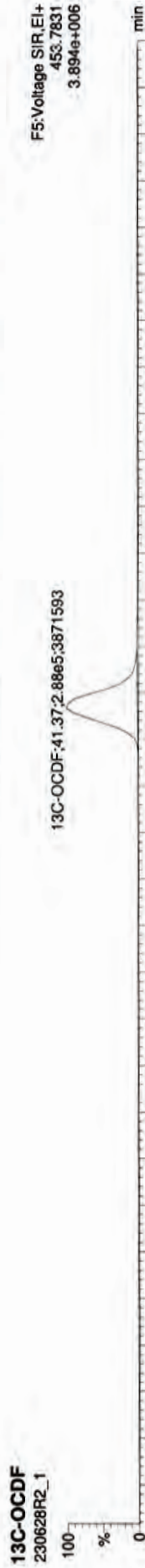
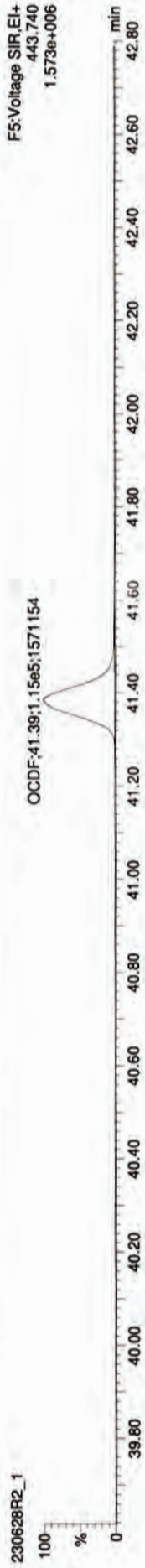
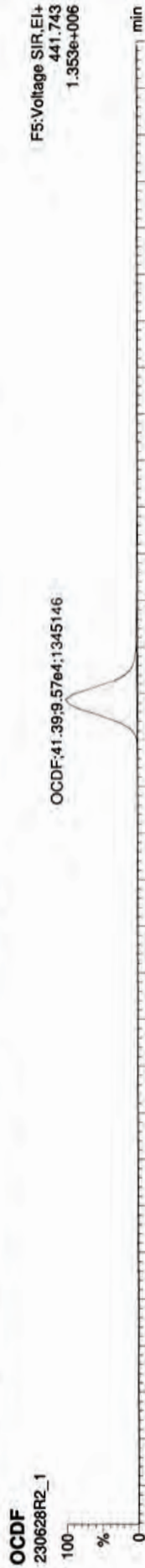
100 %
0

35.72
35.44 35.57 35.90 36.06 36.32 36.35 36.51 36.66 36.91 36.99 37.51 37.55 37.80 38.03 38.14 38.24 38.33 38.44 38.69 38.93 38.98 39.07 39.19 39.29 39.33 39.46
F4:Voltage SIR,El+
479.7165
1.679e+003

Dataset: Untitled

Last Altered: Thursday, June 29, 2023 08:32:39 Pacific Daylight Time
Printed: Thursday, June 29, 2023 08:38:52 Pacific Daylight Time

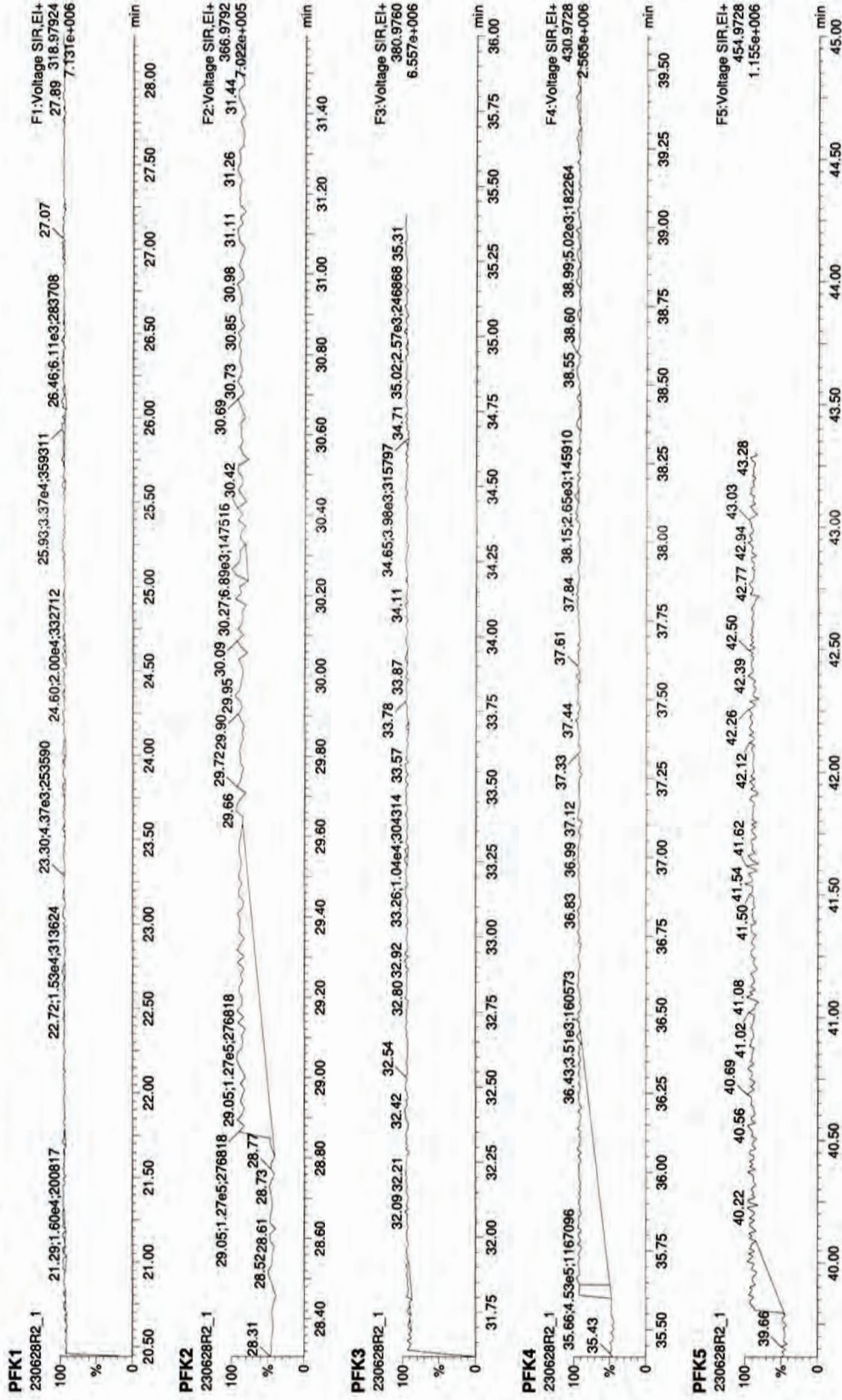
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Last Altered: Thursday, June 29, 2023 08:32:39 Pacific Daylight Time
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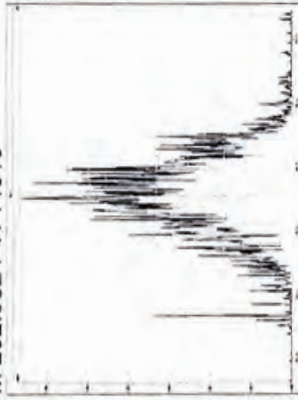
Resolution Check Report

MassLynx 4.1 SCN815

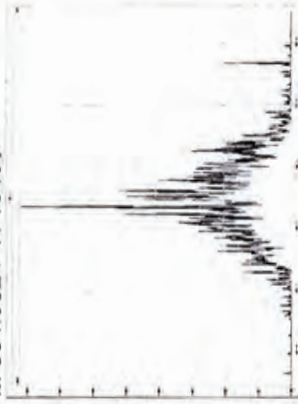
Page 1 of 4

Printed: Thursday, June 29, 2023 03:10:00 Pacific Daylight Time

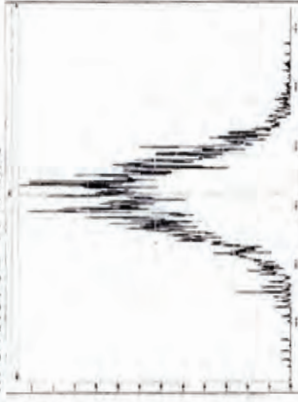
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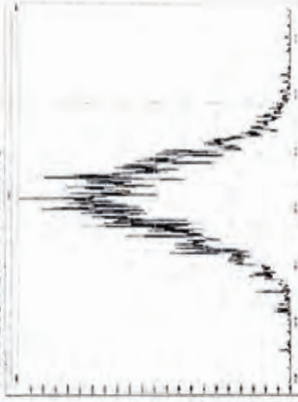
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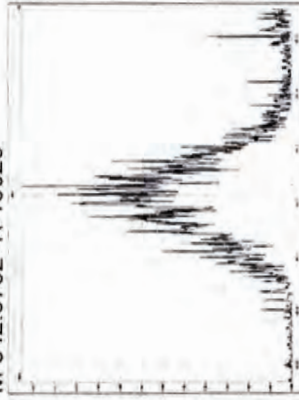
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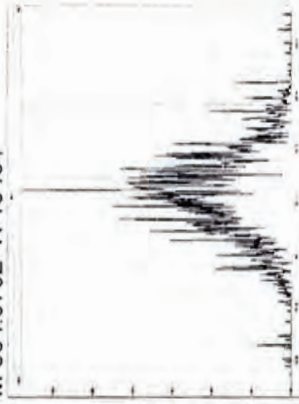
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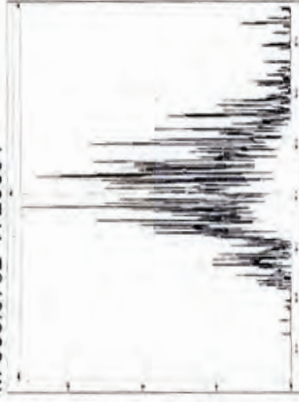
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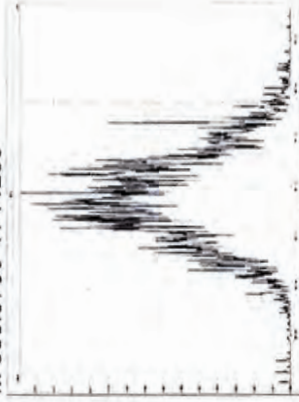
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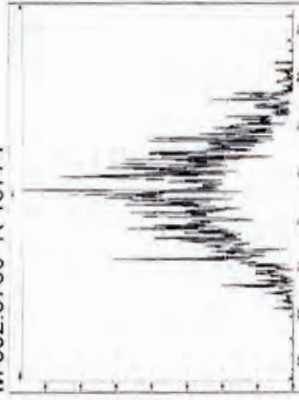
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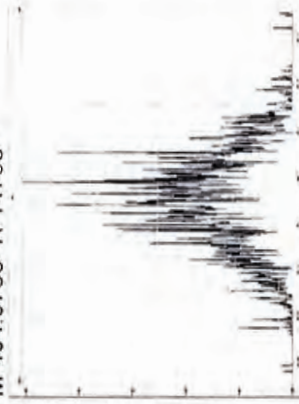
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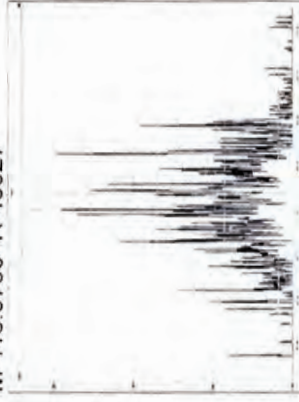
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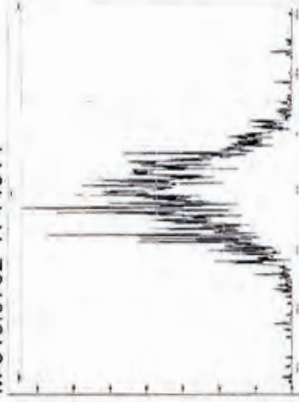
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M 416.9760 R 46927



M 318.9792 R 14014



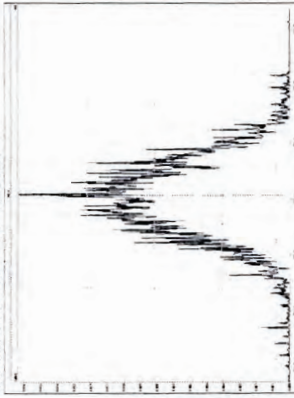
Resolution Check Report

MassLynx 4.1 SCN815

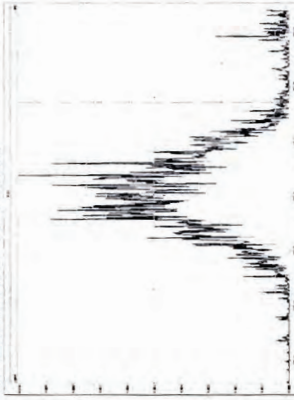
Page 2 of 4

Printed: Thursday, June 29, 2023 03:10:00 Pacific Daylight Time

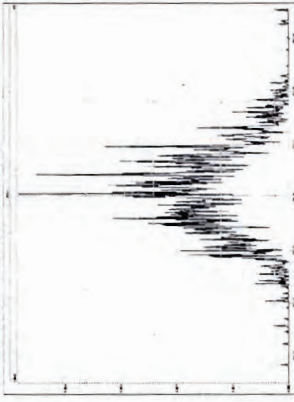
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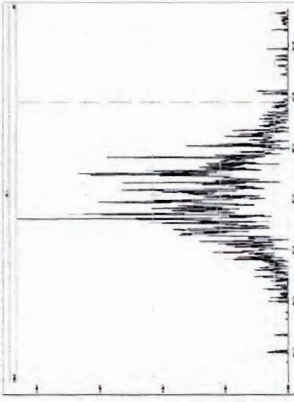
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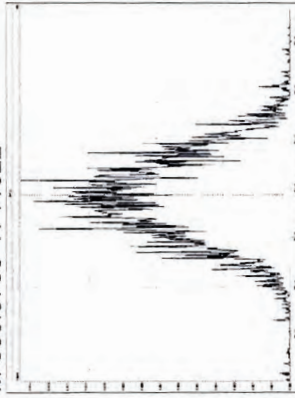
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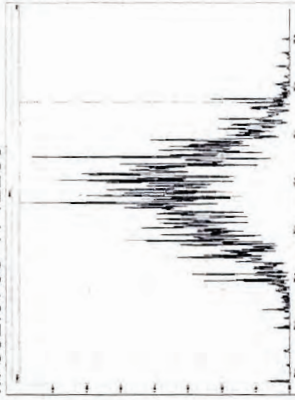
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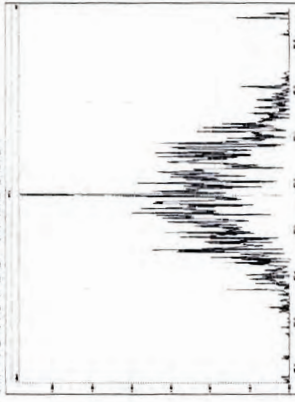
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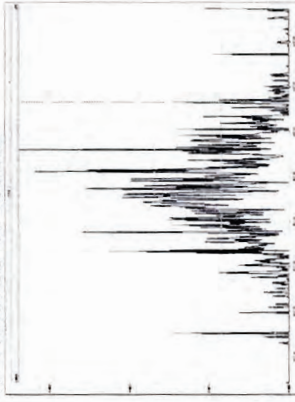
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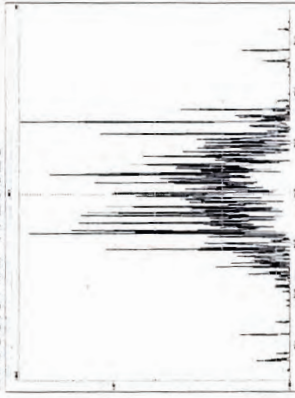
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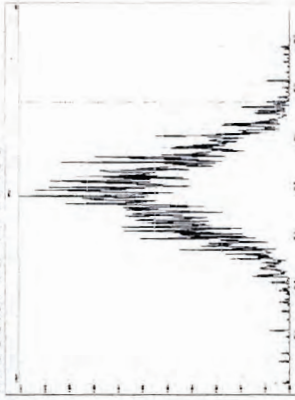
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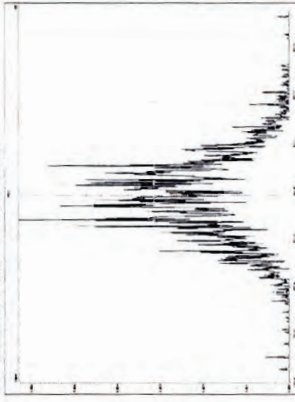
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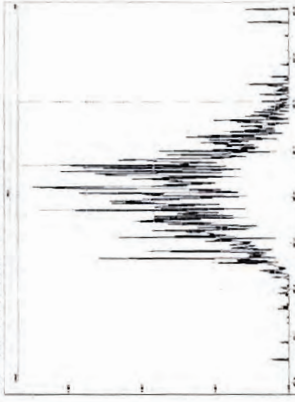
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M 392.9760 R 13455



M 404.9760 R 14468

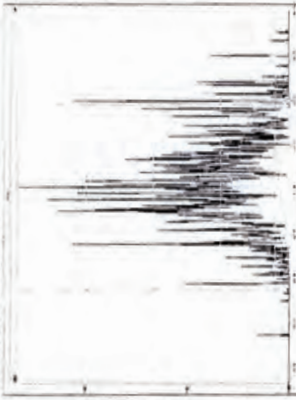


Resolution Check Report

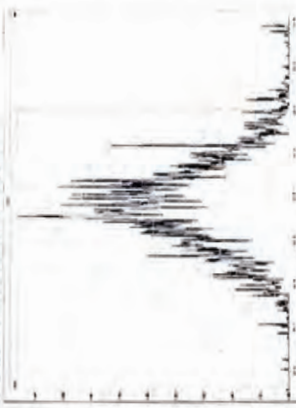
MassLynx 4.1 SCN815

Printed: Thursday, June 29, 2023 03:10:00 Pacific Daylight Time

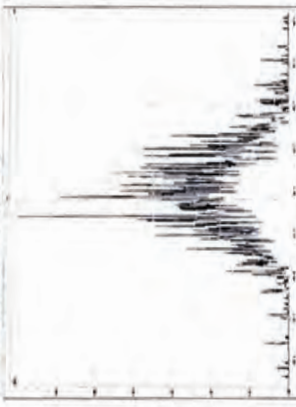
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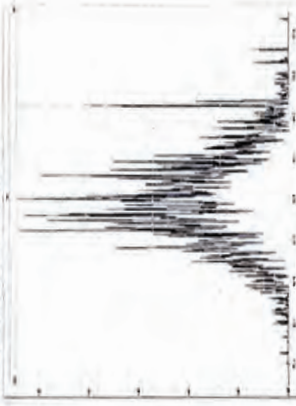
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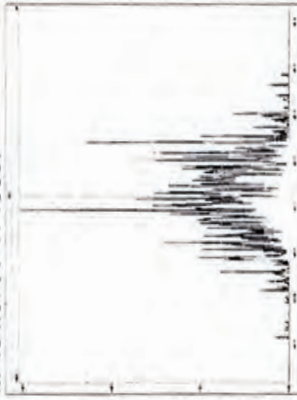
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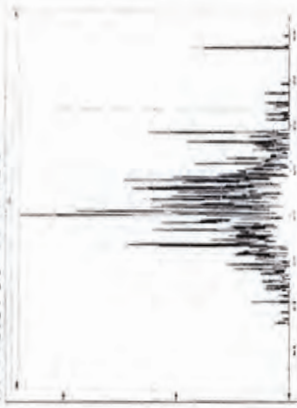
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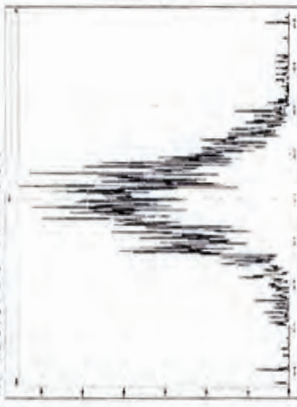
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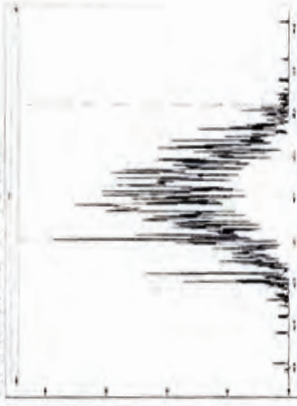
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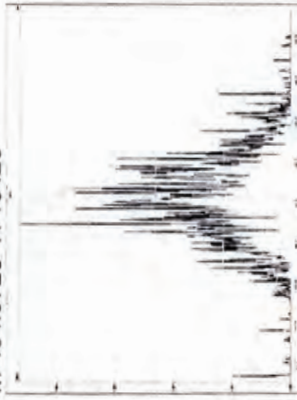
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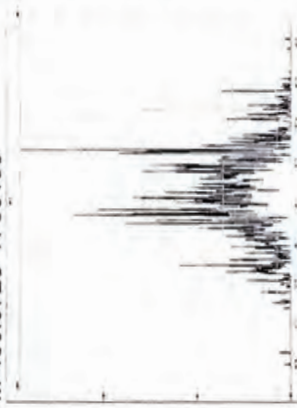
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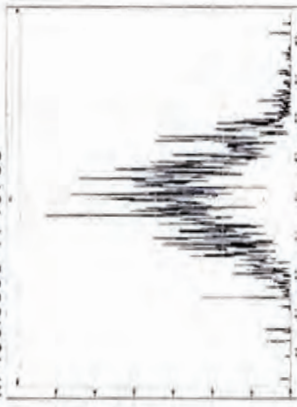
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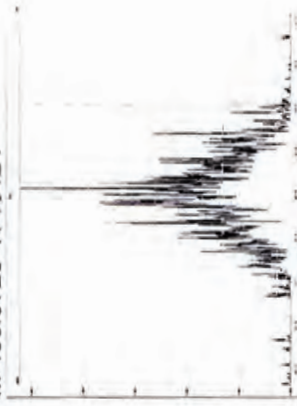
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M 480.9696 R 13730



M 430.9728 R 18124

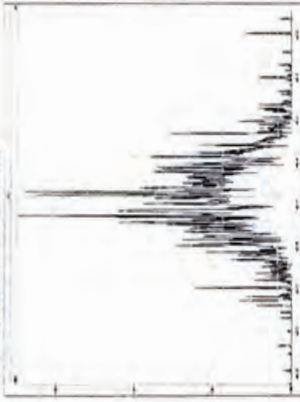


Resolution Check Report

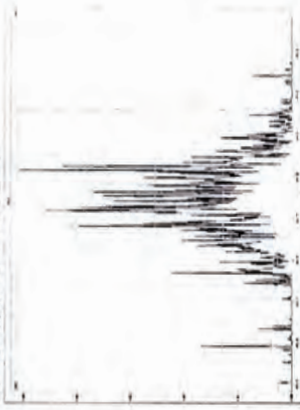
MassLynx 4.1 SCN815

Printed: Thursday, June 29, 2023 03:10:00 Pacific Daylight Time

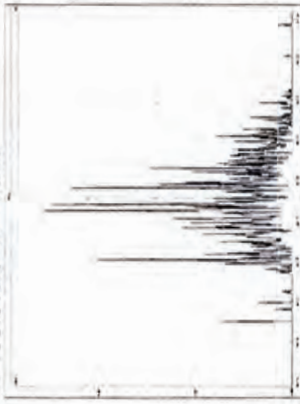
M 442.9728 R 21088



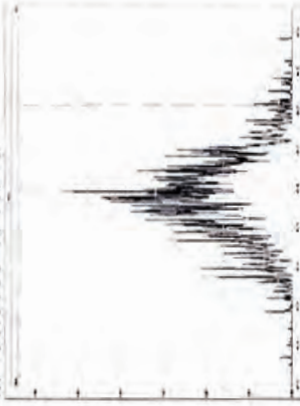
M 454.9728 R 19641



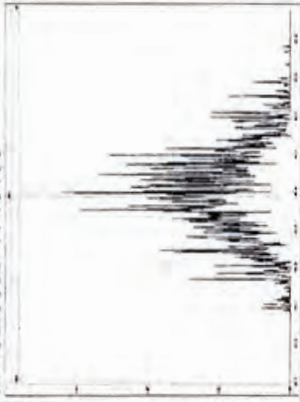
M 466.9728 R 41895



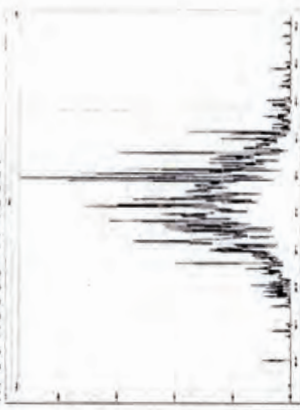
M 480.9696 R 16740



M 492.9696 R 16183



M 504.9696 R 15097



M 516.9697 R 52161



INITIAL CALIBRATION

Dataset: I:\VG12\PRO\Results\230602R1\230602R1-CRV.qld

Last Altered: Saturday, June 03, 2023 8:46:31 AM Pacific Daylight Time
Printed: Saturday, June 03, 2023 9:38:01 AM Pacific Daylight Time

Method: C:\MassLynx\DEFAULT.PRO\MethDB\1613rrt-6-1-23.mdb 01 Jun 2023 15:09:04
Calibration: C:\MassLynx\Default.pro\Curvedb\BIDIOXIN_1613vg12-6-02-23.cdb 03 Jun 2023 08:46:31

Compound name: 2,3,7,8-TCDD

Response Factor: 0.906199

RRF SD: 0.0372108, Relative SD: 4.10625

Response type: Internal Std (Ref 16), Area * (IS Conc. / IS Area)

Curve type: RF

Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
1 230602R1_1	0.250	0.88	NO	26.77	1.001	8.60e2	3.78e5	0.251	0.4	0.910	MM
2 230602R1_2	0.500	0.83	NO	26.73	1.001	2.03e3	4.61e5	0.487	-2.6	0.882	MM
3 230602R1_3	2.00	0.74	NO	26.74	1.001	7.90e3	4.44e5	1.96	-2.0	0.888	bb
4 230602R1_4	40.0	0.76	NO	26.74	1.001	2.69e5	6.89e5	43.0	7.6	0.975	bb
5 230602R1_5	300	0.76	NO	26.73	1.000	2.01e6	7.68e5	288	-3.9	0.871	bb
6 230602R1_6	10.0	0.75	NO	26.74	1.001	6.15e4	6.75e5	10.0	0.5	0.911	bb

Compound name: 1,2,3,7,8-PeCDD

Response Factor: 0.744673

RRF SD: 0.0810848, Relative SD: 10.8886

Response type: Internal Std (Ref 19), Area * (IS Conc. / IS Area)

Curve type: RF

Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
1 230602R1_1	1.25	0.60	NO	31.01	1.000	2.44e3	3.01e5	1.09	-12.9	0.648	bb
2 230602R1_2	2.50	0.63	NO	30.98	1.000	6.03e3	3.56e5	2.27	-9.1	0.677	bb
3 230602R1_3	10.0	0.59	NO	30.98	1.000	2.56e4	3.47e5	9.89	-1.1	0.736	bb
4 230602R1_4	200	0.62	NO	30.98	1.000	8.74e5	5.27e5	223	11.4	0.830	bb
5 230602R1_5	1500	0.62	NO	30.98	1.000	6.62e6	6.08e5	1460	-2.6	0.725	bb
6 230602R1_6	50.0	0.62	NO	30.98	1.000	2.09e5	4.90e5	57.2	14.3	0.851	bb

Dataset: I:\VG12\PRO\Results\230602R1\230602R1-CRV.qld

Last Altered: Saturday, June 03, 2023 8:46:31 AM Pacific Daylight Time
Printed: Saturday, June 03, 2023 9:38:01 AM Pacific Daylight Time

Compound name: 1,2,3,4,7,8-HxCDD

Response Factor: 0.836754

RRF SD: 0.0476023, Relative SD: 5.68893

Response type: Internal Std (Ref 20), Area * (IS Conc. / IS Area)

Curve type: RF

Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
1 230602R1_1	1.25	1.28	NO	34.33	1.001	2.17e3	2.16e5	1.20	-4.0	0.803	MM
2 230602R1_2	2.50	1.36	NO	34.28	1.000	5.12e3	2.53e5	2.42	-3.3	0.809	dd
3 230602R1_3	10.0	1.37	NO	34.28	1.000	2.06e4	2.49e5	9.89	-1.1	0.828	bd
4 230602R1_4	200	1.31	NO	34.28	1.000	7.98e5	4.42e5	216	7.8	0.902	bd
5 230602R1_5	1500	1.28	NO	34.28	1.000	6.14e6	5.18e5	1410	-5.7	0.789	bd
6 230602R1_6	50.0	1.31	NO	34.29	1.000	1.86e5	4.18e5	53.1	6.3	0.889	bd

Compound name: 1,2,3,6,7,8-HxCDD

Response Factor: 0.782148

RRF SD: 0.0543542, Relative SD: 6.94935

Response type: Internal Std (Ref 21), Area * (IS Conc. / IS Area)

Curve type: RF

Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
1 230602R1_1	1.25	1.36	NO	34.45	1.001	2.17e3	2.43e5	1.14	-8.6	0.715	MM
2 230602R1_2	2.50	1.20	NO	34.39	1.000	5.50e3	2.88e5	2.45	-2.2	0.765	db
3 230602R1_3	10.0	1.29	NO	34.40	1.000	2.14e4	2.77e5	9.89	-1.1	0.773	db
4 230602R1_4	200	1.28	NO	34.40	1.000	7.89e5	4.63e5	218	9.0	0.853	db
5 230602R1_5	1500	1.28	NO	34.42	1.001	5.92e6	5.30e5	1430	-4.7	0.745	db
6 230602R1_6	50.0	1.29	NO	34.42	1.000	1.84e5	4.37e5	53.8	7.6	0.842	db

Compound name: 1,2,3,7,8,9-HxCDD

Response Factor: 0.779958

RRF SD: 0.0595818, Relative SD: 7.6391

Response type: Internal Std (Ref 22), Area * (IS Conc. / IS Area)

Curve type: RF

Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
1 230602R1_1	1.25	1.41	NO	34.74	1.000	2.27e3	2.48e5	1.17	-5.4	0.730	MM
2 230602R1_2	2.50	1.38	NO	34.71	1.001	5.25e3	2.88e5	2.33	-6.7	0.728	MM

Dataset: I:\VG12.PRO\Results\230602R1\230602R1-CRV.qld

Last Altered: Saturday, June 03, 2023 8:46:31 AM Pacific Daylight Time
Printed: Saturday, June 03, 2023 9:38:01 AM Pacific Daylight Time

Compound name: 1,2,3,7,8,9-HxCDD

Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
3 230602R1_3	10.0	1.27	NO	34.71	1.001	2.15e4	2.81e5	9.79	-2.1	0.763	bb
4 230602R1_4	200	1.28	NO	34.70	1.000	8.09e5	4.68e5	221	10.7	0.864	bb
5 230602R1_5	1500	1.29	NO	34.71	1.001	6.16e6	5.49e5	1440	-4.0	0.749	bb
6 230602R1_6	50.0	1.30	NO	34.71	1.000	1.88e5	4.43e5	54.2	8.4	0.846	bb

Compound name: 1,2,3,4,6,7,8-HpCDD

Response Factor: 0.903325
RRF SD: 0.0664759, Relative SD: 7.35902
Response type: Internal Std (Ref 23), Area * (IS Conc. / IS Area)
Curve type: RF

Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
1 230602R1_1	1.25	1.03	NO	38.08	1.000	1.82e3	1.76e5	1.15	-8.0	0.831	bb
2 230602R1_2	2.50	0.99	NO	38.06	1.000	4.85e3	2.21e5	2.43	-2.7	0.879	MM
3 230602R1_3	10.0	1.02	NO	38.06	1.000	1.85e4	2.12e5	9.63	-3.7	0.870	bb
4 230602R1_4	200	1.02	NO	38.06	1.000	6.99e5	3.52e5	220	10.0	0.994	bb
5 230602R1_5	1500	1.03	NO	38.06	1.000	5.45e6	4.19e5	1440	-4.0	0.868	bb
6 230602R1_6	50.0	1.07	NO	38.06	1.000	1.61e5	3.29e5	54.2	8.3	0.979	bb

Compound name: OCDD

Response Factor: 0.781827
RRF SD: 0.054567, Relative SD: 6.97942
Response type: Internal Std (Ref 24), Area * (IS Conc. / IS Area)
Curve type: RF

Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
1 230602R1_1	2.50	0.96	NO	41.42	1.000	2.61e3	2.75e5	2.43	-3.0	0.758	MM
2 230602R1_2	5.00	0.95	NO	41.38	1.000	6.99e3	3.80e5	4.71	-5.9	0.736	MM
3 230602R1_3	20.0	0.94	NO	41.40	1.000	2.83e4	3.71e5	19.5	-2.5	0.763	bd
4 230602R1_4	400	0.90	NO	41.39	1.000	1.12e6	6.52e5	438	9.5	0.856	bb
5 230602R1_5	3000	0.91	NO	41.40	1.000	8.88e6	8.08e5	2810	-6.2	0.733	bb
6 230602R1_6	100	0.90	NO	41.38	1.000	2.54e5	6.02e5	108	8.0	0.845	bb

Dataset: I:\VG12\PRO\Results\230602R1\230602R1-CRV.qld

Last Altered: Saturday, June 03, 2023 8:46:31 AM Pacific Daylight Time
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Compound name: 2,3,7,8-TCDF

Response Factor: 0.851853

RRF SD: 0.0851474, Relative SD: 9.99555

Response type: Internal Std (Ref 25), Area * (IS Conc. / IS Area)

Curve type: RF

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
1	230602R1_1	0.250	0.88	NO	26.18	1.001	1.05e3	5.28e5	0.233	-7.0	0.793	MM
2	230602R1_2	0.500	0.76	NO	26.14	1.001	2.55e3	6.48e5	0.462	-7.6	0.787	MM
3	230602R1_3	2.00	0.73	NO	26.14	1.001	9.39e3	6.15e5	1.79	-10.3	0.764	bb
4	230602R1_4	40.0	0.74	NO	26.14	1.001	3.18e5	8.30e5	44.9	12.2	0.956	bb
5	230602R1_5	300	0.75	NO	26.12	1.001	2.34e6	9.06e5	303	1.0	0.860	bb
6	230602R1_6	10.0	0.74	NO	26.14	1.001	7.65e4	8.04e5	11.2	11.7	0.951	db

Compound name: 1,2,3,7,8-PeCDF

Response Factor: 0.75752

RRF SD: 0.0655493, Relative SD: 8.65314

Response type: Internal Std (Ref 26), Area * (IS Conc. / IS Area)

Curve type: RF

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
1	230602R1_1	1.25	1.70	NO	29.88	1.000	3.57e3	4.15e5	1.14	-9.1	0.689	MM
2	230602R1_2	2.50	1.67	NO	29.83	1.000	8.60e3	4.95e5	2.29	-8.3	0.695	bb
3	230602R1_3	10.0	1.65	NO	29.85	1.000	3.68e4	4.78e5	10.2	1.6	0.770	bb
4	230602R1_4	200	1.62	NO	29.85	1.000	1.24e6	7.53e5	218	9.1	0.826	bb
5	230602R1_5	1500	1.61	NO	29.83	1.000	9.33e6	8.57e5	1440	-4.3	0.725	bb
6	230602R1_6	50.0	1.65	NO	29.85	1.000	3.06e5	7.27e5	55.5	10.9	0.840	bb

Compound name: 2,3,4,7,8-PeCDF

Response Factor: 0.834263

RRF SD: 0.0806691, Relative SD: 9.66952

Response type: Internal Std (Ref 27), Area * (IS Conc. / IS Area)

Curve type: RF

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
1	230602R1_1	1.25	1.52	NO	30.84	1.000	3.83e3	4.11e5	1.12	-10.7	0.745	MM
2	230602R1_2	2.50	1.59	NO	30.80	1.000	9.25e3	4.85e5	2.28	-8.6	0.762	bb

Dataset: I:\VG12.PRO\Results\230602R1\230602R1-CRV.qld

Last Altered: Saturday, June 03, 2023 8:46:31 AM Pacific Daylight Time
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Compound name: 2,3,4,7,8-PeCDF

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
3	230602R1_3	10.0	1.60	NO	30.80	1.000	3.93e4	4.72e5	9.99	-0.1	0.834	bb
4	230602R1_4	200	1.60	NO	30.80	1.000	1.37e6	7.37e5	222	11.2	0.928	bb
5	230602R1_5	1500	1.59	NO	30.80	1.000	1.01e7	8.39e5	1450	-3.6	0.804	bb
6	230602R1_6	50.0	1.60	NO	30.81	1.000	3.28e5	7.03e5	55.9	11.8	0.933	bb

Compound name: 1,2,3,4,7,8-HxCDF

Response Factor: 0.762217
RRF SD: 0.0907777, Relative SD: 11.9097
Response type: Internal Std (Ref 28), Area * (IS Conc. / IS Area)
Curve type: RF

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
1	230602R1_1	1.25	1.25	NO	33.39	1.000	2.60e3	3.11e5	1.10	-12.3	0.669	MM
2	230602R1_2	2.50	1.16	NO	33.36	1.001	6.25e3	3.72e5	2.21	-11.8	0.672	MM
3	230602R1_3	10.0	1.19	NO	33.36	1.001	2.59e4	3.55e5	9.58	-4.2	0.731	bd
4	230602R1_4	200	1.17	NO	33.36	1.001	9.62e5	5.49e5	230	15.0	0.876	bd
5	230602R1_5	1500	1.18	NO	33.36	1.001	7.30e6	6.39e5	1500	-0.1	0.761	bd
6	230602R1_6	50.0	1.17	NO	33.36	1.000	2.27e5	5.25e5	56.7	13.4	0.864	bd

Compound name: 1,2,3,6,7,8-HxCDF

Response Factor: 0.726357
RRF SD: 0.0680087, Relative SD: 9.36299
Response type: Internal Std (Ref 29), Area * (IS Conc. / IS Area)
Curve type: RF

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
1	230602R1_1	1.25	1.21	NO	33.53	1.000	2.69e3	3.20e5	1.16	-7.4	0.673	MM
2	230602R1_2	2.50	1.18	NO	33.48	1.000	6.20e3	3.83e5	2.23	-10.7	0.648	MM
3	230602R1_3	10.0	1.20	NO	33.49	1.001	2.65e4	3.70e5	9.87	-1.3	0.717	db
4	230602R1_4	200	1.18	NO	33.49	1.000	9.73e5	5.99e5	223	11.7	0.812	db
5	230602R1_5	1500	1.17	NO	33.49	1.000	7.28e6	6.91e5	1450	-3.3	0.703	db
6	230602R1_6	50.0	1.16	NO	33.50	1.001	2.28e5	5.66e5	55.5	10.9	0.806	db

Dataset: I:\VG12.PRO\Results\230602R1\230602R1-CRV.qld

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Compound name: 2,3,4,6,7,8-HxCDF

Response Factor: 0.756014

RRF SD: 0.0727476, Relative SD: 9.62252

Response type: Internal Std (Ref 30), Area * (IS Conc. / IS Area)

Curve type: RF

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
1	230602R1_1	1.25	1.22	NO	34.22	1.000	2.65e3	2.98e5	1.17	-6.1	0.710	MM
2	230602R1_2	2.50	1.16	NO	34.17	1.000	5.84e3	3.47e5	2.22	-11.1	0.672	MM
3	230602R1_3	10.0	1.18	NO	34.19	1.001	2.41e4	3.34e5	9.53	-4.7	0.720	bb
4	230602R1_4	200	1.18	NO	34.17	1.000	9.16e5	5.42e5	224	11.8	0.846	bb
5	230602R1_5	1500	1.17	NO	34.19	1.001	6.91e6	6.19e5	1480	-1.6	0.744	bb
6	230602R1_6	50.0	1.18	NO	34.19	1.000	2.17e5	5.14e5	55.8	11.7	0.844	bb

Compound name: 1,2,3,7,8,9-HxCDF

Response Factor: 0.748539

RRF SD: 0.069681, Relative SD: 9.30894

Response type: Internal Std (Ref 31), Area * (IS Conc. / IS Area)

Curve type: RF

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
1	230602R1_1	1.25	1.18	NO	35.28	1.000	2.37e3	2.58e5	1.23	-1.9	0.734	MM
2	230602R1_2	2.50	1.16	NO	35.24	1.000	5.25e3	3.17e5	2.21	-11.4	0.663	MM
3	230602R1_3	10.0	1.13	NO	35.26	1.001	2.05e4	2.95e5	9.30	-7.0	0.696	bd
4	230602R1_4	200	1.19	NO	35.24	1.000	8.01e5	4.82e5	222	11.0	0.831	bb
5	230602R1_5	1500	1.18	NO	35.25	1.001	6.21e6	5.64e5	1470	-2.0	0.734	bb
6	230602R1_6	50.0	1.22	NO	35.25	1.000	1.90e5	4.57e5	55.6	11.2	0.833	bb

Compound name: 1,2,3,4,6,7,8-HpCDF

Response Factor: 0.753904

RRF SD: 0.066757, Relative SD: 8.85484

Response type: Internal Std (Ref 32), Area * (IS Conc. / IS Area)

Curve type: RF

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
1	230602R1_1	1.25	0.95	NO	36.90	1.001	1.88e3	2.09e5	1.19	-4.6	0.719	MM
2	230602R1_2	2.50	0.93	NO	36.86	1.000	4.21e3	2.49e5	2.24	-10.2	0.677	MM

Dataset: I:\VG12.PRO\Results\230602R1\230602R1-CRV.qld

Last Altered: Saturday, June 03, 2023 8:46:31 AM Pacific Daylight Time
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Compound name: 1,2,3,4,6,7,8-HpCDF

Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
3 230602R1_3	10.0	0.95	NO	36.87	1.000	1.78e4	2.47e5	9.55	-4.5	0.720	bb
4 230602R1_4	200	0.98	NO	36.87	1.001	7.14e5	4.24e5	223	11.7	0.842	bb
5 230602R1_5	1500	0.99	NO	36.87	1.001	5.46e6	4.95e5	1460	-2.4	0.736	bb
6 230602R1_6	50.0	0.98	NO	36.87	1.000	1.65e5	3.97e5	55.1	10.2	0.830	bb

Compound name: 1,2,3,4,7,8,9-HpCDF

Response Factor: 0.792378
RRF SD: 0.10069, Relative SD: 12.7073
Response type: Internal Std (Ref 33), Area * (IS Conc. / IS Area)
Curve type: RF

Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
1 230602R1_1	1.25	1.10	NO	38.79	1.001	1.46e3	1.69e5	1.09	-13.0	0.690	MM
2 230602R1_2	2.50	0.92	NO	38.75	1.000	3.90e3	2.14e5	2.30	-7.9	0.730	MM
3 230602R1_3	10.0	0.97	NO	38.77	1.000	1.50e4	2.13e5	8.89	-11.1	0.705	bb
4 230602R1_4	200	0.99	NO	38.76	1.001	6.02e5	3.24e5	234	17.1	0.928	bb
5 230602R1_5	1500	0.98	NO	38.76	1.000	4.75e6	3.91e5	1530	2.3	0.810	bb
6 230602R1_6	50.0	0.98	NO	38.76	1.000	1.36e5	3.04e5	56.3	12.5	0.892	bb

Compound name: OCDF

Response Factor: 0.66943
RRF SD: 0.063624, Relative SD: 9.5042
Response type: Internal Std (Ref 34), Area * (IS Conc. / IS Area)
Curve type: RF

Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
1 230602R1_1	2.50	0.85	NO	41.77	1.000	2.88e3	3.65e5	2.36	-5.8	0.631	bb
2 230602R1_2	5.00	0.83	NO	41.73	1.000	8.00e3	5.24e5	4.56	-8.9	0.610	MM
3 230602R1_3	20.0	0.87	NO	41.75	1.000	3.17e4	5.12e5	18.5	-7.4	0.620	bb
4 230602R1_4	400	0.86	NO	41.74	1.000	1.26e6	8.42e5	446	11.5	0.746	bb
5 230602R1_5	3000	0.86	NO	41.75	1.000	1.01e7	1.02e6	2950	-1.6	0.659	bb
6 230602R1_6	100	0.89	NO	41.74	1.000	2.90e5	7.71e5	112	12.3	0.751	bd

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Dataset: I:\VG12\PRO\Results\230602R1\230602R1-CRV.qld

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Compound name: 13C-2,3,7,8-TCDD

Response Factor: 1.12515

RRF SD: 0.075961, Relative SD: 6.75119

Response type: Internal Std (Ref 36), Area * (IS Conc. / IS Area)

Curve type: RF

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
1	230602R1_1	100	0.77	NO	26.76	1.026	3.78e5	3.53e5	95.0	-5.0	1.07	bb
2	230602R1_2	100	0.78	NO	26.71	1.026	4.61e5	4.27e5	96.0	-4.0	1.08	bb
3	230602R1_3	100	0.76	NO	26.71	1.026	4.44e5	4.21e5	93.8	-6.2	1.06	bb
4	230602R1_4	100	0.76	NO	26.71	1.026	6.89e5	5.80e5	106	5.7	1.19	bb
5	230602R1_5	100	0.79	NO	26.71	1.026	7.68e5	6.17e5	111	10.7	1.25	bb
6	230602R1_6	100	0.76	NO	26.73	1.026	6.75e5	6.08e5	98.7	-1.3	1.11	bb

Compound name: 13C-1,2,3,7,8-PeCDD

Response Factor: 0.868952

RRF SD: 0.0675059, Relative SD: 7.76865

Response type: Internal Std (Ref 36), Area * (IS Conc. / IS Area)

Curve type: RF

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
1	230602R1_1	100	0.63	NO	30.99	1.188	3.01e5	3.53e5	98.1	-1.9	0.853	bb
2	230602R1_2	100	0.62	NO	30.96	1.189	3.56e5	4.27e5	96.0	-4.0	0.835	bb
3	230602R1_3	100	0.62	NO	30.96	1.189	3.47e5	4.21e5	94.9	-5.1	0.825	bb
4	230602R1_4	100	0.61	NO	30.96	1.189	5.27e5	5.80e5	105	4.6	0.909	bb
5	230602R1_5	100	0.63	NO	30.96	1.189	6.08e5	6.17e5	114	13.6	0.987	bb
6	230602R1_6	100	0.61	NO	30.96	1.189	4.90e5	6.08e5	92.8	-7.2	0.807	bb

Compound name: 13C-1,2,3,4,7,8-HxCDD

Response Factor: 0.74601

RRF SD: 0.110563, Relative SD: 14.8206

Response type: Internal Std (Ref 38), Area * (IS Conc. / IS Area)

Curve type: RF

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
1	230602R1_1	100	1.26	NO	34.31	1.014	2.16e5	3.27e5	88.5	-11.5	0.660	bd
2	230602R1_2	100	1.26	NO	34.27	1.014	2.53e5	3.88e5	87.5	-12.5	0.653	bd

Dataset: I:\VG12.PRO\Results\230602R1\230602R1-CRV.qld

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Compound name: 13C-1,2,3,4,7,8-HxCDD

Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
3 230602R1_3	100	1.29	NO	34.27	1.014	2.49e5	3.80e5	87.8	-12.2	0.655	bd
4 230602R1_4	100	1.27	NO	34.27	1.014	4.42e5	5.29e5	112	12.0	0.836	bd
5 230602R1_5	100	1.27	NO	34.27	1.014	5.18e5	5.66e5	123	22.7	0.915	bd
6 230602R1_6	100	1.26	NO	34.28	1.014	4.18e5	5.52e5	101	1.5	0.757	bd

Compound name: 13C-1,2,3,6,7,8-HxCDD

Response Factor: 0.802613
RRF SD: 0.0842299, Relative SD: 10.4944
Response type: Internal Std (Ref 38), Area * (IS Conc. / IS Area)
Curve type: RF

Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
1 230602R1_1	100	1.28	NO	34.42	1.017	2.43e5	3.27e5	92.5	-7.5	0.742	db
2 230602R1_2	100	1.24	NO	34.39	1.018	2.88e5	3.88e5	92.5	-7.5	0.743	db
3 230602R1_3	100	1.26	NO	34.39	1.017	2.77e5	3.80e5	91.0	-9.0	0.730	db
4 230602R1_4	100	1.25	NO	34.39	1.018	4.63e5	5.29e5	109	9.1	0.875	db
5 230602R1_5	100	1.23	NO	34.39	1.017	5.30e5	5.66e5	116	16.5	0.935	db
6 230602R1_6	100	1.24	NO	34.40	1.018	4.37e5	5.52e5	98.4	-1.6	0.790	db

Compound name: 13C-1,2,3,7,8,9-HxCDD

Response Factor: 0.816777
RRF SD: 0.0921901, Relative SD: 11.2871
Response type: Internal Std (Ref 38), Area * (IS Conc. / IS Area)
Curve type: RF

Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
1 230602R1_1	100	1.25	NO	34.73	1.026	2.48e5	3.27e5	93.1	-6.9	0.760	bd
2 230602R1_2	100	1.28	NO	34.69	1.026	2.88e5	3.88e5	91.0	-9.0	0.743	bb
3 230602R1_3	100	1.22	NO	34.69	1.026	2.81e5	3.80e5	90.6	-9.4	0.740	bb
4 230602R1_4	100	1.24	NO	34.69	1.026	4.68e5	5.29e5	108	8.4	0.885	bb
5 230602R1_5	100	1.25	NO	34.69	1.026	5.49e5	5.66e5	119	18.6	0.969	bb
6 230602R1_6	100	1.25	NO	34.70	1.026	4.43e5	5.52e5	98.3	-1.7	0.803	bb

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Compound name: 13C-1,2,3,4,6,7,8-HpCDD

Response Factor: 0.611126

RRF SD: 0.076748, Relative SD: 12.5584

Response type: Internal Std (Ref 38), Area * (IS Conc. / IS Area)

Curve type: RF

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
1	230602R1_1	100	1.04	NO	38.08	1.125	1.76e5	3.27e5	88.0	-12.0	0.538	bb
2	230602R1_2	100	1.02	NO	38.05	1.126	2.21e5	3.88e5	93.2	-6.8	0.570	bb
3	230602R1_3	100	1.07	NO	38.05	1.125	2.12e5	3.80e5	91.5	-8.5	0.559	bb
4	230602R1_4	100	1.03	NO	38.05	1.126	3.52e5	5.29e5	109	8.8	0.665	bb
5	230602R1_5	100	1.03	NO	38.05	1.125	4.19e5	5.66e5	121	21.0	0.739	bb
6	230602R1_6	100	1.07	NO	38.05	1.125	3.29e5	5.52e5	97.6	-2.4	0.596	bb

Compound name: 13C-OCDD

Response Factor: 0.545495

RRF SD: 0.10489, Relative SD: 19.2285

Response type: Internal Std (Ref 38), Area * (IS Conc. / IS Area)

Curve type: RF

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
1	230602R1_1	200	0.88	NO	41.40	1.224	2.75e5	3.27e5	154	-22.8	0.421	MM
2	230602R1_2	200	0.88	NO	41.38	1.224	3.80e5	3.88e5	180	-10.2	0.490	bb
3	230602R1_3	200	0.88	NO	41.38	1.224	3.71e5	3.80e5	179	-10.6	0.488	bb
4	230602R1_4	200	0.88	NO	41.37	1.224	6.52e5	5.29e5	226	13.0	0.616	bb
5	230602R1_5	200	0.91	NO	41.38	1.224	8.08e5	5.66e5	261	30.7	0.713	bd
6	230602R1_6	200	0.88	NO	41.37	1.224	6.02e5	5.52e5	200	-0.2	0.544	bb

Compound name: 13C-2,3,7,8-TCDF

Response Factor: 1.07344

RRF SD: 0.0545594, Relative SD: 5.08265

Response type: Internal Std (Ref 37), Area * (IS Conc. / IS Area)

Curve type: RF

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
1	230602R1_1	100	0.77	NO	26.17	1.003	5.28e5	4.71e5	104	4.4	1.12	bb
2	230602R1_2	100	0.76	NO	26.12	1.003	6.48e5	5.77e5	105	4.6	1.12	bb

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Compound name: 13C-2,3,7,8-TCDF

Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
3 230602R1_3	100	0.77	NO	26.12	1.003	6.15e5	5.60e5	102	2.2	1.10	bb
4 230602R1_4	100	0.78	NO	26.12	1.003	8.30e5	7.91e5	97.8	-2.2	1.05	bb
5 230602R1_5	100	0.78	NO	26.11	1.003	9.06e5	8.45e5	99.9	-0.1	1.07	bb
6 230602R1_6	100	0.78	NO	26.12	1.003	8.04e5	8.22e5	91.1	-8.9	0.978	bb

Compound name: 13C-1,2,3,7,8-PeCDF

Response Factor: 0.906956
RRF SD: 0.0632512, Relative SD: 6.97401
Response type: Internal Std (Ref 37), Area * (IS Conc. / IS Area)
Curve type: RF

Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
1 230602R1_1	100	1.61	NO	29.86	1.145	4.15e5	4.71e5	97.1	-2.9	0.881	bb
2 230602R1_2	100	1.58	NO	29.82	1.145	4.95e5	5.77e5	94.6	-5.4	0.858	bb
3 230602R1_3	100	1.61	NO	29.83	1.145	4.78e5	5.60e5	94.1	-5.9	0.853	bb
4 230602R1_4	100	1.60	NO	29.83	1.145	7.53e5	7.91e5	105	4.9	0.951	bb
5 230602R1_5	100	1.58	NO	29.82	1.145	8.57e5	8.45e5	112	11.8	1.01	bb
6 230602R1_6	100	1.57	NO	29.83	1.145	7.27e5	8.22e5	97.5	-2.5	0.884	bb

Compound name: 13C-2,3,4,7,8-PeCDF

Response Factor: 0.889044
RRF SD: 0.060472, Relative SD: 6.80192
Response type: Internal Std (Ref 37), Area * (IS Conc. / IS Area)
Curve type: RF

Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
1 230602R1_1	100	1.59	NO	30.83	1.181	4.11e5	4.71e5	98.1	-1.9	0.872	bb
2 230602R1_2	100	1.56	NO	30.78	1.182	4.85e5	5.77e5	94.6	-5.4	0.841	bb
3 230602R1_3	100	1.59	NO	30.78	1.182	4.72e5	5.60e5	94.8	-5.2	0.843	bb
4 230602R1_4	100	1.60	NO	30.78	1.182	7.37e5	7.91e5	105	4.7	0.931	bb
5 230602R1_5	100	1.56	NO	30.78	1.182	8.39e5	8.45e5	112	11.6	0.992	bb
6 230602R1_6	100	1.58	NO	30.80	1.182	7.03e5	8.22e5	96.2	-3.8	0.856	bb

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Compound name: 13C-1,2,3,4,7,8-HxCDF

Response Factor: 0.99335

RRF SD: 0.0755041, Relative SD: 7.60095

Response type: Internal Std (Ref 38), Area * (IS Conc. / IS Area)

Curve type: RF

Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
1 230602R1_1	100	0.50	NO	33.38	0.986	3.11e5	3.27e5	95.9	-4.1	0.952	bd
2 230602R1_2	100	0.50	NO	33.34	0.986	3.72e5	3.88e5	96.5	-3.5	0.959	bd
3 230602R1_3	100	0.50	NO	33.34	0.986	3.55e5	3.80e5	94.0	-6.0	0.933	bd
4 230602R1_4	100	0.51	NO	33.34	0.986	5.49e5	5.29e5	104	4.5	1.04	bd
5 230602R1_5	100	0.51	NO	33.34	0.986	6.39e5	5.66e5	114	13.6	1.13	bd
6 230602R1_6	100	0.50	NO	33.35	0.986	5.25e5	5.52e5	95.6	-4.4	0.950	bd

Compound name: 13C-1,2,3,6,7,8-HxCDF

Response Factor: 1.05292

RRF SD: 0.100827, Relative SD: 9.57591

Response type: Internal Std (Ref 38), Area * (IS Conc. / IS Area)

Curve type: RF

Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
1 230602R1_1	100	0.52	NO	33.51	0.990	3.20e5	3.27e5	93.1	-6.9	0.981	db
2 230602R1_2	100	0.51	NO	33.47	0.990	3.83e5	3.88e5	93.8	-6.2	0.987	db
3 230602R1_3	100	0.50	NO	33.47	0.990	3.70e5	3.80e5	92.4	-7.6	0.973	db
4 230602R1_4	100	0.51	NO	33.48	0.991	5.99e5	5.29e5	108	7.6	1.13	db
5 230602R1_5	100	0.51	NO	33.48	0.990	6.91e5	5.66e5	116	15.8	1.22	db
6 230602R1_6	100	0.51	NO	33.48	0.990	5.66e5	5.52e5	97.2	-2.8	1.02	db

Compound name: 13C-2,3,4,6,7,8-HxCDF

Response Factor: 0.956052

RRF SD: 0.083855, Relative SD: 8.77097

Response type: Internal Std (Ref 38), Area * (IS Conc. / IS Area)

Curve type: RF

Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
1 230602R1_1	100	0.52	NO	34.21	1.011	2.98e5	3.27e5	95.5	-4.5	0.913	bb
2 230602R1_2	100	0.50	NO	34.16	1.011	3.47e5	3.88e5	93.7	-6.3	0.896	bb

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Compound name: 13C-2,3,4,6,7,8-HxCDF

Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
3 230602R1_3	100	0.50	NO	34.16	1.010	3.34e5	3.80e5	92.1	-7.9	0.880	bb
4 230602R1_4	100	0.51	NO	34.16	1.011	5.42e5	5.29e5	107	7.1	1.02	bb
5 230602R1_5	100	0.51	NO	34.16	1.010	6.19e5	5.66e5	114	14.3	1.09	bb
6 230602R1_6	100	0.51	NO	34.17	1.011	5.14e5	5.52e5	97.3	-2.7	0.930	bb

Compound name: 13C-1,2,3,7,8,9-HxCDF

Response Factor: 0.85265
RRF SD: 0.0844354, Relative SD: 9.9027
Response type: Internal Std (Ref 38), Area * (IS Conc. / IS Area)
Curve type: RF

Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
1 230602R1_1	100	0.50	NO	35.27	1.042	2.58e5	3.27e5	92.7	-7.3	0.790	bb
2 230602R1_2	100	0.50	NO	35.23	1.042	3.17e5	3.88e5	95.8	-4.2	0.817	bd
3 230602R1_3	100	0.50	NO	35.23	1.042	2.95e5	3.80e5	90.9	-9.1	0.775	bb
4 230602R1_4	100	0.52	NO	35.23	1.042	4.82e5	5.29e5	107	6.9	0.911	bd
5 230602R1_5	100	0.51	NO	35.23	1.042	5.64e5	5.66e5	117	16.7	0.995	bb
6 230602R1_6	100	0.51	NO	35.24	1.042	4.57e5	5.52e5	96.9	-3.1	0.826	bb

Compound name: 13C-1,2,3,4,6,7,8-HpCDF

Response Factor: 0.720965
RRF SD: 0.0975308, Relative SD: 13.5278
Response type: Internal Std (Ref 38), Area * (IS Conc. / IS Area)
Curve type: RF

Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
1 230602R1_1	100	0.41	NO	36.88	1.090	2.09e5	3.27e5	88.7	-11.3	0.639	bb
2 230602R1_2	100	0.40	NO	36.85	1.090	2.49e5	3.88e5	89.1	-10.9	0.642	bb
3 230602R1_3	100	0.42	NO	36.86	1.090	2.47e5	3.80e5	90.3	-9.7	0.651	bb
4 230602R1_4	100	0.42	NO	36.85	1.090	4.24e5	5.29e5	111	11.3	0.802	bb
5 230602R1_5	100	0.42	NO	36.85	1.090	4.95e5	5.66e5	121	21.1	0.873	bb
6 230602R1_6	100	0.42	NO	36.86	1.090	3.97e5	5.52e5	99.6	-0.4	0.718	bb

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Compound name: 13C-1,2,3,4,7,8,9-HpCDF

Response Factor: 0.580857

RRF SD: 0.0620722, Relative SD: 10.6863

Response type: Internal Std (Ref 38), Area * (IS Conc. / IS Area)

Curve type: RF

Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
1 230602R1_1	100	0.41	NO	38.77	1.146	1.69e5	3.27e5	89.0	-11.0	0.517	bb
2 230602R1_2	100	0.41	NO	38.75	1.147	2.14e5	3.88e5	95.0	-5.0	0.552	bd
3 230602R1_3	100	0.39	NO	38.76	1.146	2.13e5	3.80e5	96.7	-3.3	0.562	bb
4 230602R1_4	100	0.41	NO	38.74	1.146	3.24e5	5.29e5	106	5.6	0.613	bb
5 230602R1_5	100	0.42	NO	38.75	1.146	3.91e5	5.66e5	119	18.9	0.691	bb
6 230602R1_6	100	0.40	NO	38.75	1.146	3.04e5	5.52e5	94.8	-5.2	0.551	bb

Compound name: 13C-OCDF

Response Factor: 0.717804

RRF SD: 0.118469, Relative SD: 16.5043

Response type: Internal Std (Ref 38), Area * (IS Conc. / IS Area)

Curve type: RF

Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
1 230602R1_1	200	0.88	NO	41.76	1.234	3.65e5	3.27e5	156	-22.2	0.559	MM
2 230602R1_2	200	0.90	NO	41.73	1.235	5.24e5	3.88e5	188	-5.8	0.676	bb
3 230602R1_3	200	0.93	NO	41.74	1.235	5.12e5	3.80e5	188	-6.1	0.674	bd
4 230602R1_4	200	0.89	NO	41.73	1.235	8.42e5	5.29e5	222	10.9	0.796	bb
5 230602R1_5	200	0.89	NO	41.74	1.235	1.02e6	5.66e5	252	26.0	0.904	bb
6 230602R1_6	200	0.92	NO	41.73	1.234	7.71e5	5.52e5	194	-2.8	0.697	bd

Compound name: 37Cl-2,3,7,8-TCDD

Response Factor: 0.979911

RRF SD: 0.116829, Relative SD: 11.9224

Response type: Internal Std (Ref 36), Area * (IS Conc. / IS Area)

Curve type: RF

Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
1 230602R1_1	0.250			26.79	1.027	7.45e2	3.53e5	0.215	-13.9	0.843	bb
2 230602R1_2	0.500			26.73	1.026	1.87e3	4.27e5	0.448	-10.4	0.878	bb

Dataset: I:\VG12\PRO\Results\230602R1\230602R1-CRV.qld

Last Altered: Saturday, June 03, 2023 8:46:31 AM Pacific Daylight Time
Printed: Saturday, June 03, 2023 9:38:01 AM Pacific Daylight Time

Compound name: 37Cl-2,3,7,8-TCDD

Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
3 230602R1_3	2.00			26.73	1.026	8.06e3	4.21e5	1.95	-2.3	0.958	bb
4 230602R1_4	40.0			26.73	1.026	2.67e5	5.80e5	47.1	17.7	1.15	bb
5 230602R1_5	200			26.73	1.027	1.32e6	6.17e5	219	9.5	1.07	bb
6 230602R1_6	10.0			26.74	1.027	5.92e4	6.08e5	9.95	-0.5	0.975	bb

Compound name: 13C-1,2,3,4-TCDD

Response Factor: 1

RRF SD: 0, Relative SD: 0

Response type: Internal Std (Ref 36), Area * (IS Conc. / IS Area)

Curve type: RF

Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
1 230602R1_1	100	0.77	NO	26.09	1.000	3.53e5	3.53e5	100	0.0	1.00	bb
2 230602R1_2	100	0.78	NO	26.05	1.000	4.27e5	4.27e5	100	0.0	1.00	bb
3 230602R1_3	100	0.77	NO	26.05	1.000	4.21e5	4.21e5	100	0.0	1.00	bb
4 230602R1_4	100	0.77	NO	26.05	1.000	5.80e5	5.80e5	100	0.0	1.00	bb
5 230602R1_5	100	0.77	NO	26.03	1.000	6.17e5	6.17e5	100	0.0	1.00	bb
6 230602R1_6	100	0.77	NO	26.05	1.000	6.08e5	6.08e5	100	0.0	1.00	bb

Compound name: 13C-1,2,3,4-TCDF

Response Factor: 1

RRF SD: 0, Relative SD: 0

Response type: Internal Std (Ref 37), Area * (IS Conc. / IS Area)

Curve type: RF

Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
1 230602R1_1	100	0.77	NO	24.82	1.000	4.71e5	4.71e5	100	0.0	1.00	bb
2 230602R1_2	100	0.78	NO	24.76	1.000	5.77e5	5.77e5	100	0.0	1.00	bb
3 230602R1_3	100	0.79	NO	24.76	1.000	5.60e5	5.60e5	100	0.0	1.00	bb
4 230602R1_4	100	0.78	NO	24.76	1.000	7.91e5	7.91e5	100	0.0	1.00	bb
5 230602R1_5	100	0.78	NO	24.75	1.000	8.45e5	8.45e5	100	0.0	1.00	bb
6 230602R1_6	100	0.79	NO	24.76	1.000	8.22e5	8.22e5	100	0.0	1.00	bb

Quantify Compound Summary Report MassLynx 4.1 SCN815
Enthalpy Analytical EDH

Dataset: I:\VG12.PRO\Results\230602R1\230602R1-CRV.qld

Last Altered: Saturday, June 03, 2023 8:46:31 AM Pacific Daylight Time

Printed: Saturday, June 03, 2023 9:38:01 AM Pacific Daylight Time

Compound name: 13C-1,2,3,4,6,9-HxCDF

Response Factor: 1

RRF SD: 0, Relative SD: 0

Response type: Internal Std (Ref 38), Area * (IS Conc. / IS Area)

Curve type: RF

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
1	230602R1_1	100	0.50	NO	33.84	1.000	3.27e5	3.27e5	100	0.0	1.00	bb
2	230602R1_2	100	0.50	NO	33.80	1.000	3.88e5	3.88e5	100	0.0	1.00	bb
3	230602R1_3	100	0.50	NO	33.81	1.000	3.80e5	3.80e5	100	0.0	1.00	bb
4	230602R1_4	100	0.50	NO	33.80	1.000	5.29e5	5.29e5	100	0.0	1.00	bb
5	230602R1_5	100	0.51	NO	33.81	1.000	5.66e5	5.66e5	100	0.0	1.00	bb
6	230602R1_6	100	0.51	NO	33.81	1.000	5.52e5	5.52e5	100	0.0	1.00	bb

Quantify Compound Summary Report MassLynx 4.1 SCN815
Enthalpy Analytical EDH VG-12

Dataset: Untitled

Last Altered: Saturday, June 03, 2023 9:38:17 AM Pacific Daylight Time
Printed: Saturday, June 03, 2023 9:38:29 AM Pacific Daylight Time

Method: C:\MassLynx\DEFAULT.PRO\MethDB\1613rft-6-1-23.mdb 01 Jun 2023 15:09:04 ✓
Calibration: C:\MassLynx\DEFAULT.PRO\CurveDB\DIODIN_1613vgt12-6-02-23.cdb 03 Jun 2023 08:46:31 ✓

Compound name: 2,3,7,8-TCDD

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3	230602R1_3	ST230602R1_3 1613 CS2 21G0804	02-Jun-23	12:18:38
4	230602R1_4	ST230602R1_4 1613 CS4 23E1004	02-Jun-23	13:03:44
5	230602R1_5	ST230602R1_5 1613 CS5 23E1005	02-Jun-23	13:48:53
6	230602R1_6	ST230602R1_6 1613 CS3 23E1003	02-Jun-23	14:33:59
7	230602R1_7	SS230602R1_1 1613 SSS 21G0806	02-Jun-23	15:22:06
8	230602R1_8	SOLVENT BLANK	02-Jun-23	16:06:41
9	230602R1_9	SOLVENT BLANK	02-Jun-23	16:51:48
10	230602R1_10	B23E049-BLK1 Method Blank 10	02-Jun-23	17:36:55
11	230602R1_11	B23E260-BLK1 Method Blank 1	02-Jun-23	18:22:04
12	230602R1_12	2305035-01 Ads B 0.98649	02-Jun-23	19:07:04
13	230602R1_13	2304177-02 ISUX030EB041923 0.97929	02-Jun-23	19:52:11
14	230602R1_14	2304177-01 ISUX030GW020423D 0.80388	02-Jun-23	20:37:11
15	230602R1_15	2305173-01 Discharge 1.01216	02-Jun-23	21:22:18
16	230602R1_16	2304244-01 DC-22C-20230427 1.03151	02-Jun-23	22:07:26
17	230602R1_17	2305118-01RE1@20X 1005 Bldg Pressed Soli...	02-Jun-23	22:52:33
18	230602R1_18	2305118-01RE1@80X 1005 Bldg Pressed Soli...	02-Jun-23	23:37:41
19	230602R1_19	2304162-02 23041125-02-1 51.39	03-Jun-23	00:31:31
20	230602R1_20	2304182-01 C3D2736-02 44.62	03-Jun-23	01:16:05
21	230602R1_21	2305031-01 DDSD DIGESTER CAKE 40.62	03-Jun-23	02:01:14
22	230602R2_1	SOLVENT BLANK	03-Jun-23	02:46:13
23	230602R2_2			
24	230602R2_3	ST230602R2_2 1613 CS3 23E1003	03-Jun-23	08:28:39

Ⓐ 1st paired, PI HAC 5.3.2023
Ⓑ PI DNM give res check
out of time

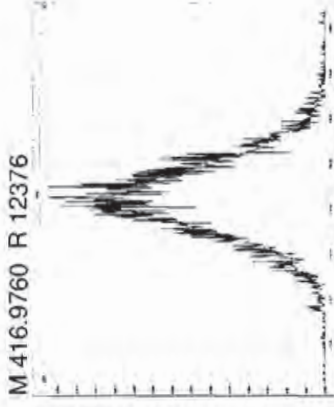
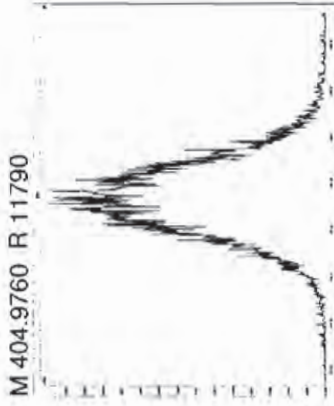
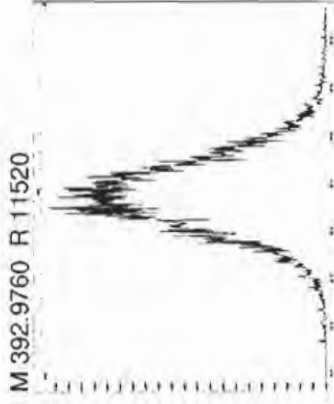
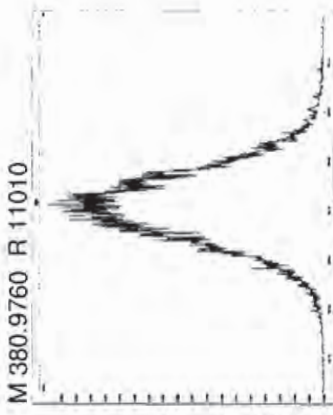
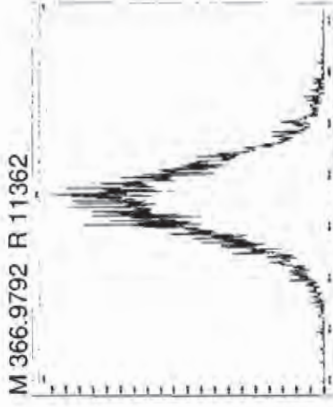
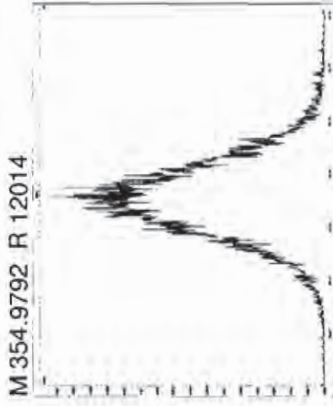
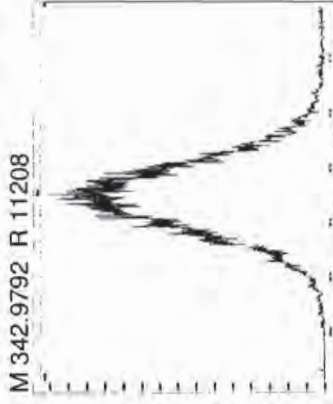
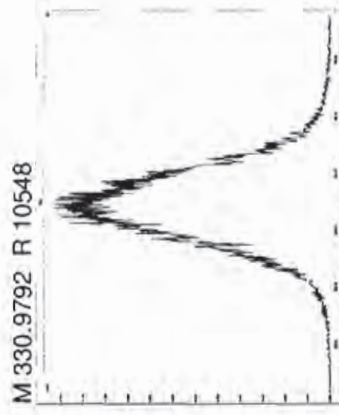
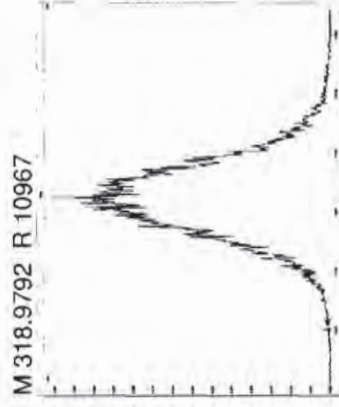
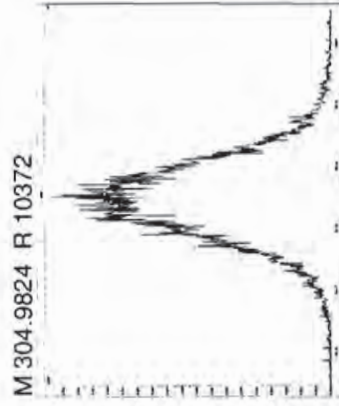
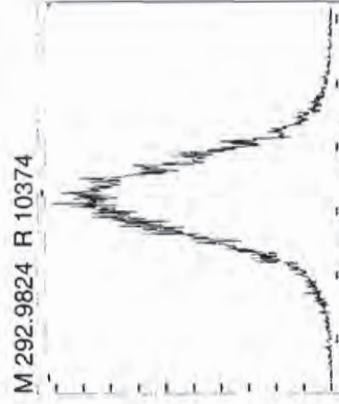
Experiment Calibration Report

MassLynx 4.1 SCN815

Page 1 of 1

File: Experiment: OCDD_DIOXIN.exp Reference: Pfk.ref Function: 1 @ 200 (ppm)

Printed: Friday, June 02, 2023 10:28:25 Pacific Daylight Time



Experiment Calibration Report

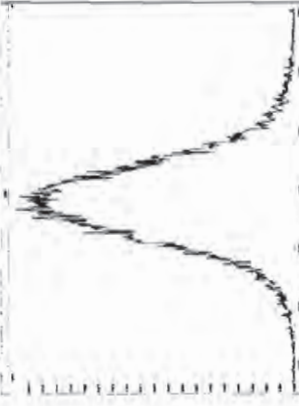
MassLynx 4.1 SCN815

Page 1 of 1

File: Experiment: OCDD_DIOXIN.exp Reference: Pfk.ref Function: 2 @ 200 (ppm)

Printed: Friday, June 02, 2023 10:29:07 Pacific Daylight Time

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M 330.9792 R 11063



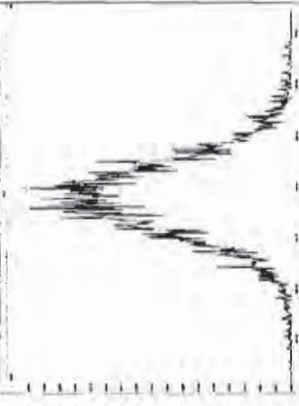
M 342.9792 R 10683



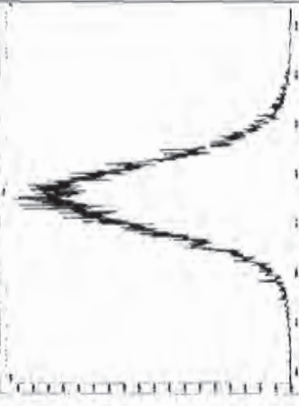
M 354.9792 R 11684



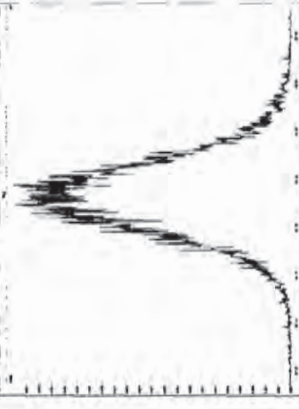
M 366.9792 R 11792



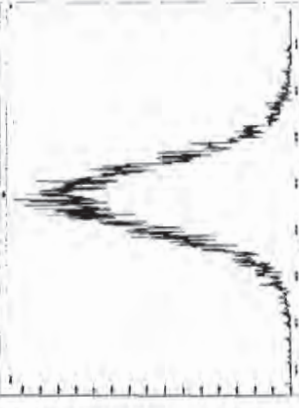
M 380.9760 R 11163



M 392.9760 R 10866



M 404.9760 R 11681



M 416.9760 R 13299



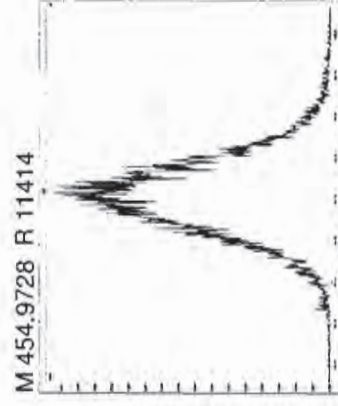
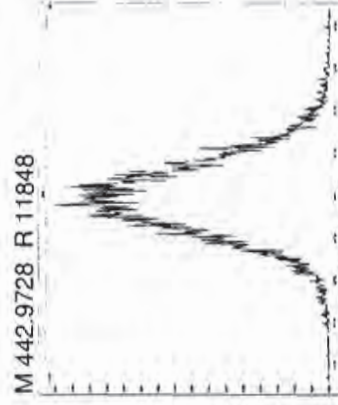
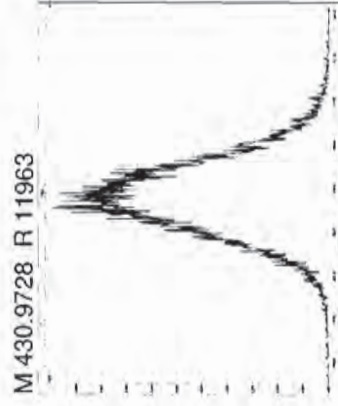
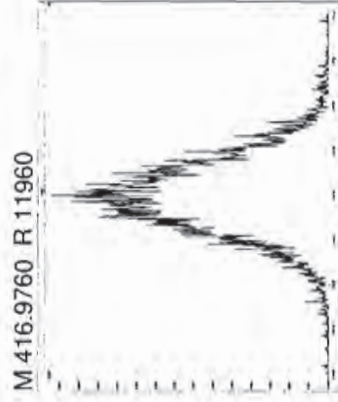
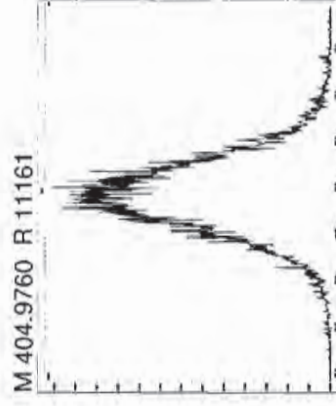
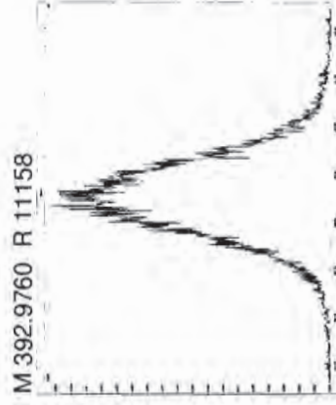
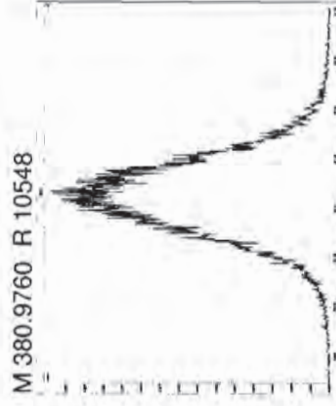
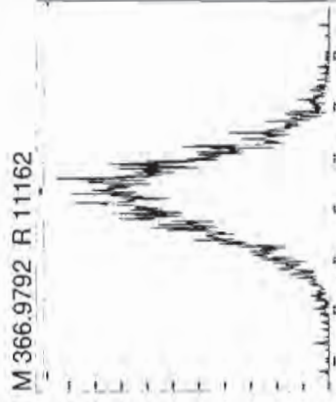
Experiment Calibration Report

MassLynx 4.1 SCN815

Page 1 of 1

File: Experiment: OCDD_DIOXIN.exp Reference: Plk.ref Function: 3 @ 200 (ppm)

Printed: Friday, June 02, 2023 10:29:51 Pacific Daylight Time

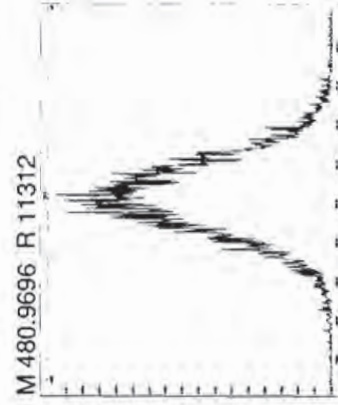
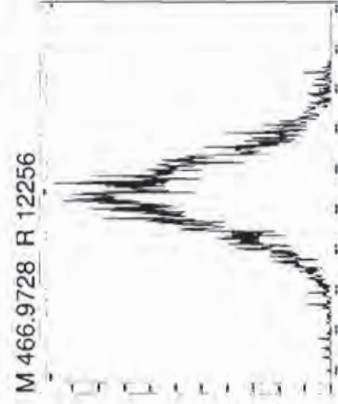
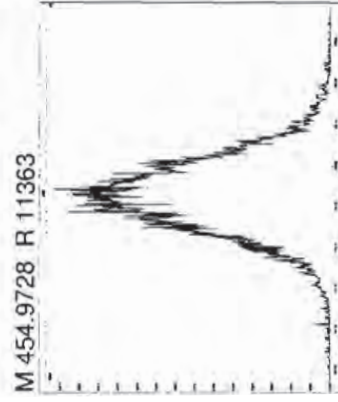
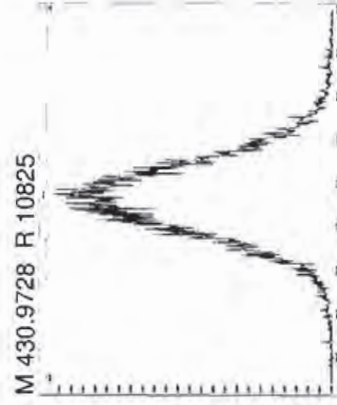
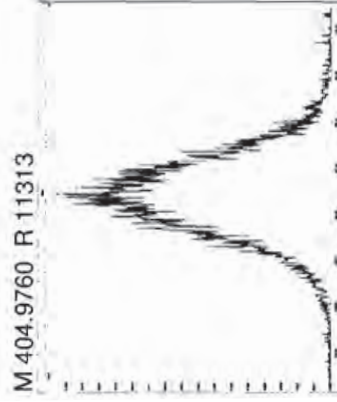


Experiment Calibration Report

MassLynx 4.1 SCN815

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Printed: Friday, June 02, 2023 10:30:30 Pacific Daylight Time

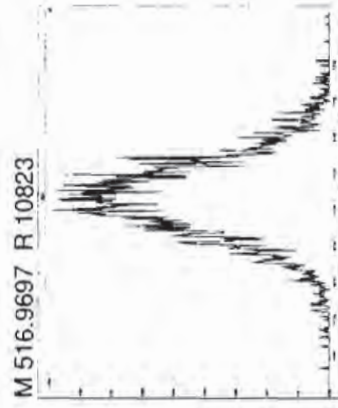
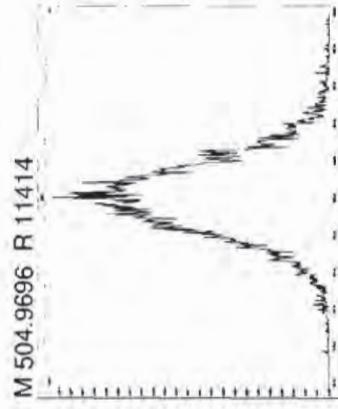
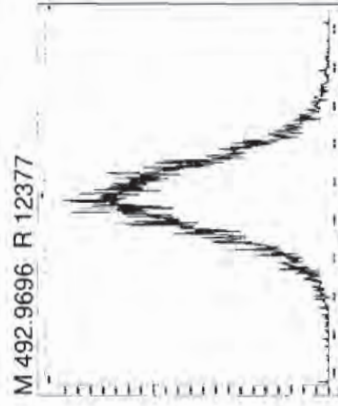
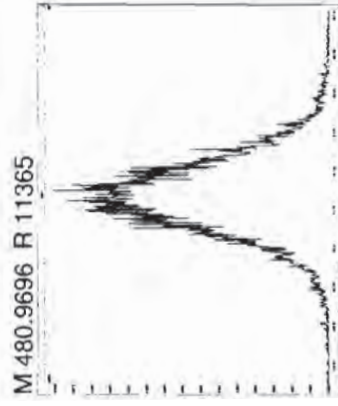
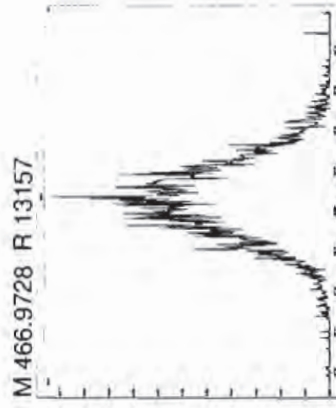
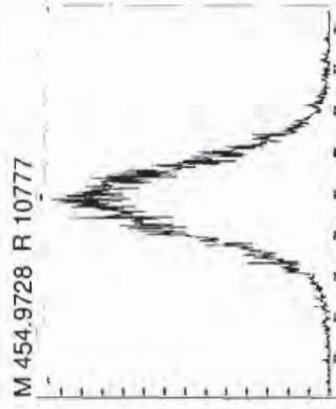
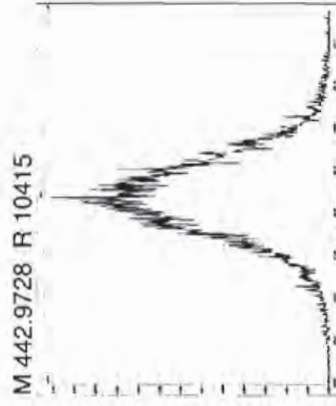
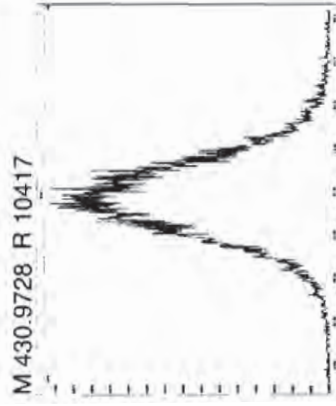


Experiment Calibration Report

MassLynx 4.1 SCN815

File: Experiment: OCDD_DIOXIN.exp Reference: Pfk.ref Function: 5 @ 200 (ppm)

Printed: Friday, June 02, 2023 10:31:02 Pacific Daylight Time



Quantify Sample Summary Report
Enthalpy Analytical EDH VG-12

MassLynx 4.1 SCN815

Dataset: Untitled

Last Altered: Saturday, June 03, 2023 10:24:50 AM Pacific Daylight Time
Printed: Saturday, June 03, 2023 10:25:13 AM Pacific Daylight Time

Method: C:\MassLynx\Default.pro\Methdb\CPSPM.mdb 24 May 2023 17:45:01

Calibration: C:\MassLynx\DEFAULT.PRO\CurveDB\BbDIOXIN_1613vg12-6-02-23.cdb 03 Jun 2023 08:46:31 ✓

Name: 230602R1_6, Date: 02-Jun-2023, Time: 14:33:59, ID: ST230602R1_6 1613 CS3 23E1003, Description: 1613 CS3 23E1003

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1	1	1,3,6,8-TCDD (First)	23.45
2	2	1,2,8,9-TCDD (Last)	27.54
3	3	1,2,4,7,9-PeCDD (First)	28.91
4	4	1,2,3,8,9-PeCDD (Last)	31.31
5	5	1,2,4,6,7,9-HxCDD (First)	32.58
6	6	1,2,3,7,8,9-HxCDD (Last)	34.71
7	7	1,2,3,4,6,7,9-HpCDD (First)	37.18
8	8	1,2,3,4,6,7,8-HpCDD (Last)	38.06
9	9	1,3,6,8-TCDF (First)	21.41
10	10	1,2,8,9-TCDF (Last)	27.84
11	11	1,3,4,6,8-PeCDF (First)	27.42
12	12	1,2,3,8,9-PeCDF (Last)	31.67
13	13	1,2,3,4,6,8-HxCDF (First)	32.06
14	14	1,2,3,7,8,9-HxCDF (Last)	35.25
15	15	1,2,3,4,6,7,8-HpCDF (First)	36.87
16	16	1,2,3,4,7,8,9-HpCDF (Last)	38.76

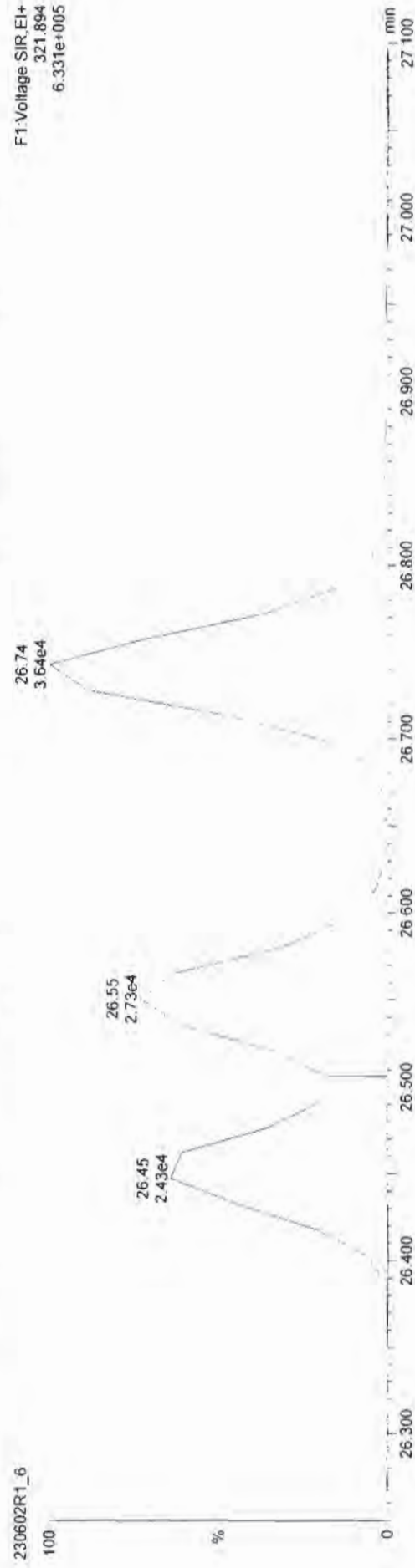
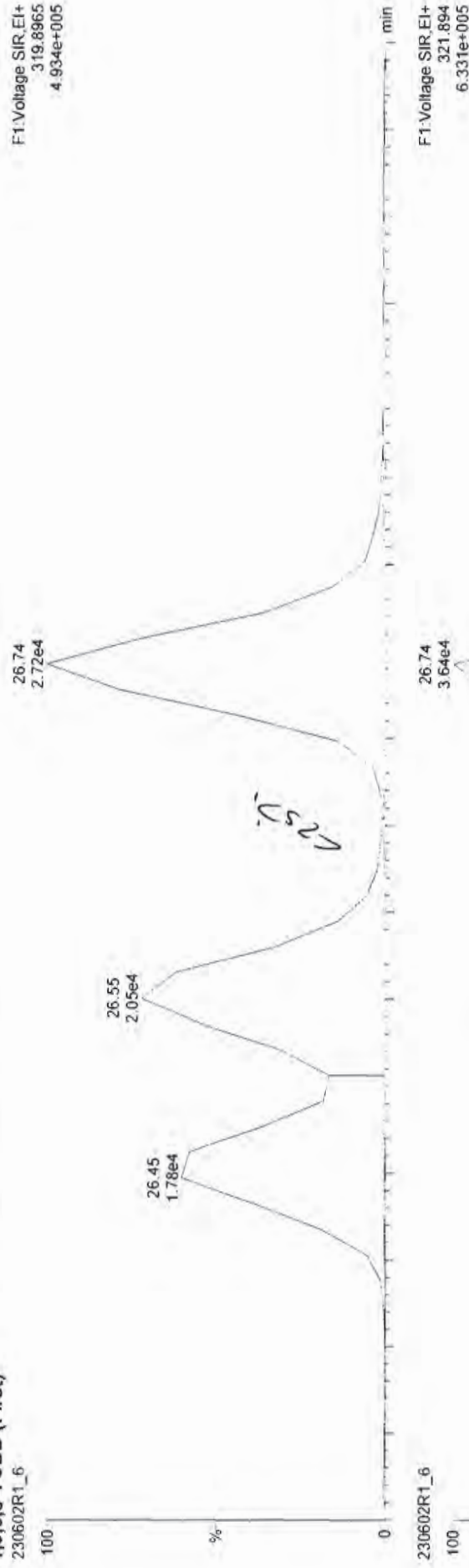
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Last Altered: Saturday, June 03, 2023 10:24:50 AM Pacific Daylight Time
Printed: Saturday, June 03, 2023 10:25:13 AM Pacific Daylight Time

Method: C:\MassLynx\Default.prolMethod\CPSPM.mdb 24 May 2023 17:45:01
Calibration: C:\MassLynx\DEFAULT.PRO\CurveDB\IDB\DIOLIN_1613vg12-6-02-23.cdb 03 Jun 2023 08:46:31

Name: 230602R1_6, Date: 02-Jun-2023, Time: 14:33:59, ID: ST230602R1_6 1613 CS3 23E1003, Description: 1613 CS3 23E1003

1,3,6,8-TCDD (First)



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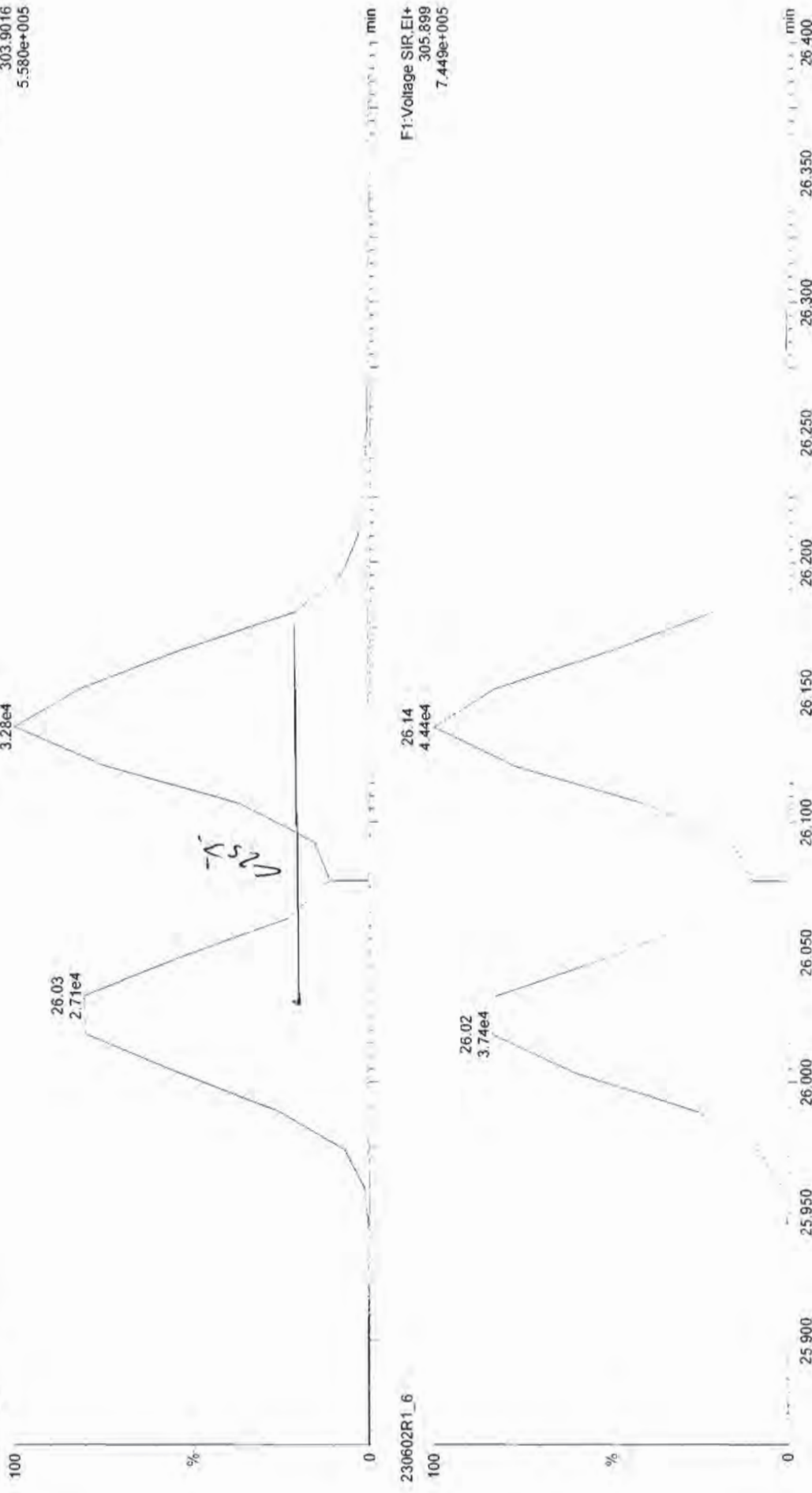
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Printed: Saturday, June 03, 2023 10:25:13 AM Pacific Daylight Time

Name: 230602R1_6, Date: 02-Jun-2023, Time: 14:33:59, ID: ST230602R1_6 1613 CS3 23E1003, Description: 1613 CS3 23E1003

1,3,6,8-TCDF (First)

230602R1_6

F1: Voltage SIR.EI+
303.9016
5.580e+005



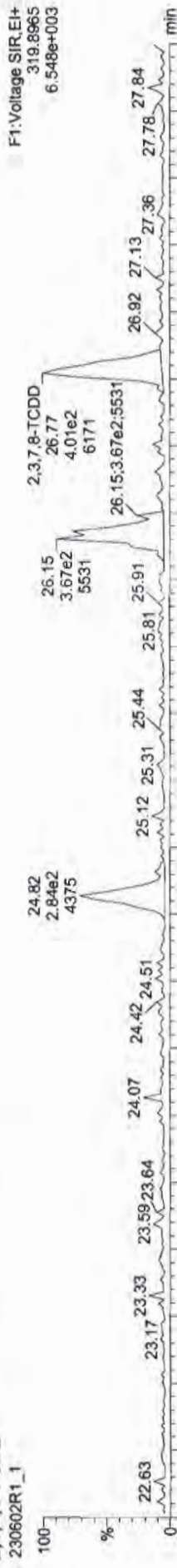
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Last Altered: Saturday, June 03, 2023 9:38:17 AM Pacific Daylight Time
 Printed: Saturday, June 03, 2023 9:38:59 AM Pacific Daylight Time

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 Calibration: C:\MassLynx\DEFAULT.PRO\CurveDB\ldioxin_1613vg12-6-02-23.cdb 03 Jun 2023 08:46:31

Name: 230602R1_1, Date: 02-Jun-2023, Time: 10:35:47, ID: ST230602R1_1 1613 CS0 21G0802, Description: 1613 CS0 21G0802

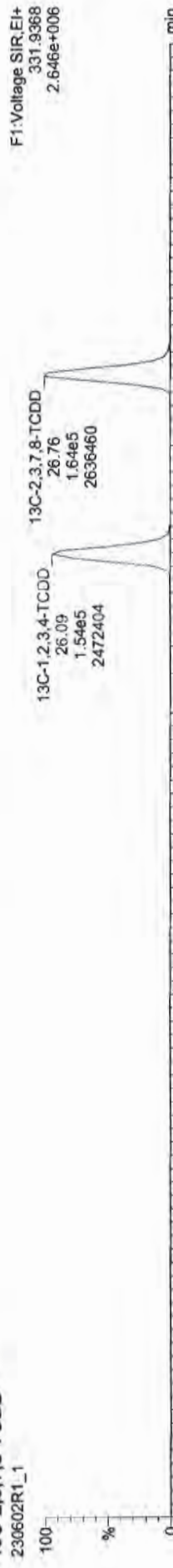
2,3,7,8-TCDD



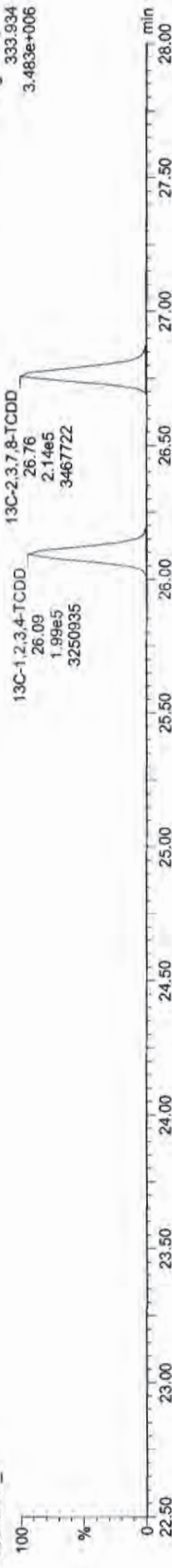
13C-2,3,7,8-TCDD



13C-2,3,7,8-TCDD



13C-2,3,7,8-TCDD



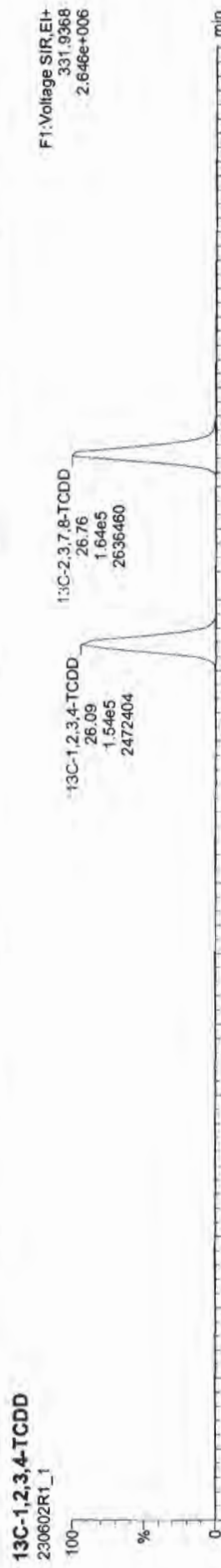
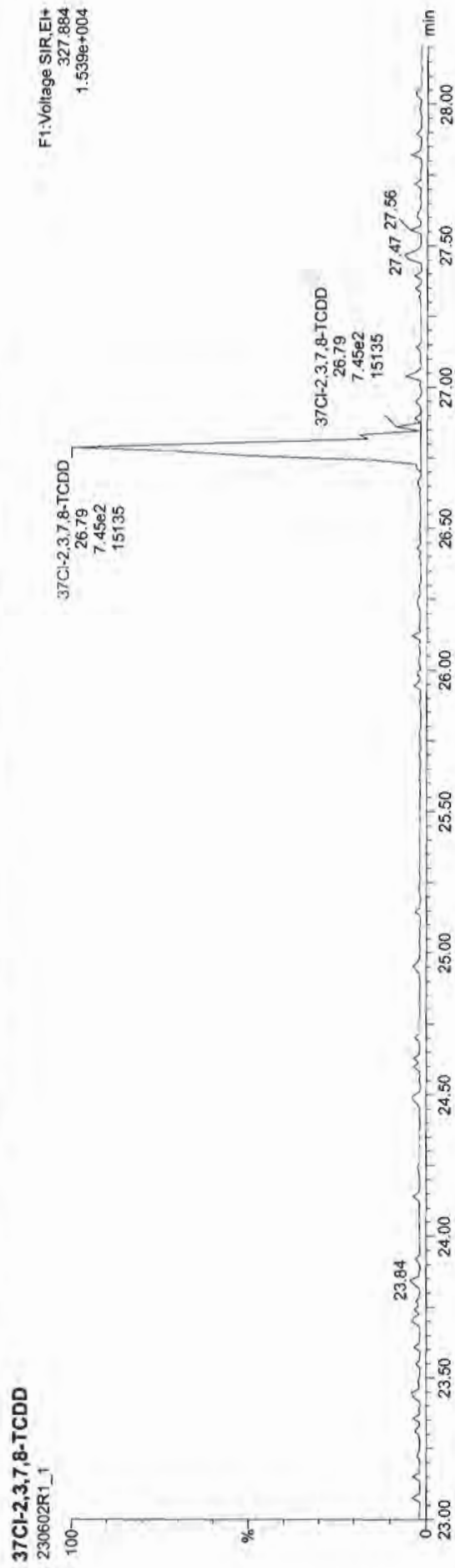
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Dataset: Untitled

Last Altered: Saturday, June 03, 2023 9:38:17 AM Pacific Daylight Time
Printed: Saturday, June 03, 2023 9:38:59 AM Pacific Daylight Time

Name: 230602R1_1, Date: 02-Jun-2023, Time: 10:35:47, ID: ST230602R1_1 1613 CS0 21G0802, Description: 1613 CS0 21G0802



Dataset: Untitled

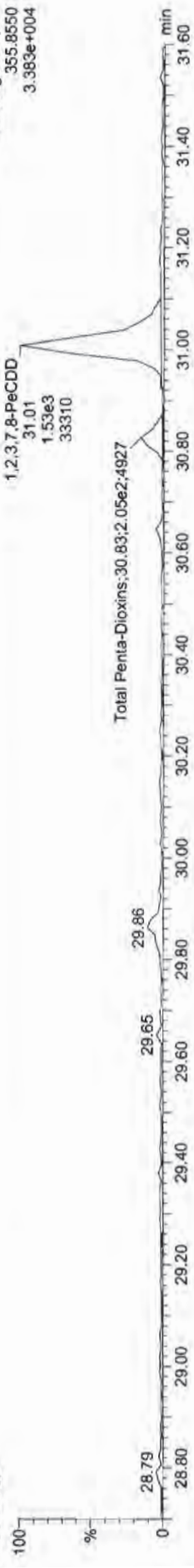
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Printed: Saturday, June 03, 2023 9:38:59 AM Pacific Daylight Time

Name: 230602R1_1, Date: 02-Jun-2023, Time: 10:35:47, ID: ST230602R1_1 1613 CS0 21G0802, Description: 1613 CS0 21G0802

1,2,3,7,8-PeCDD



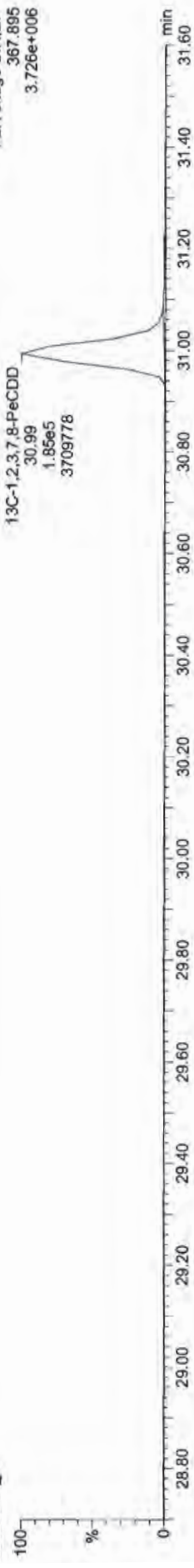
13C-1,2,3,7,8-PeCDD



13C-1,2,3,7,8-PeCDD



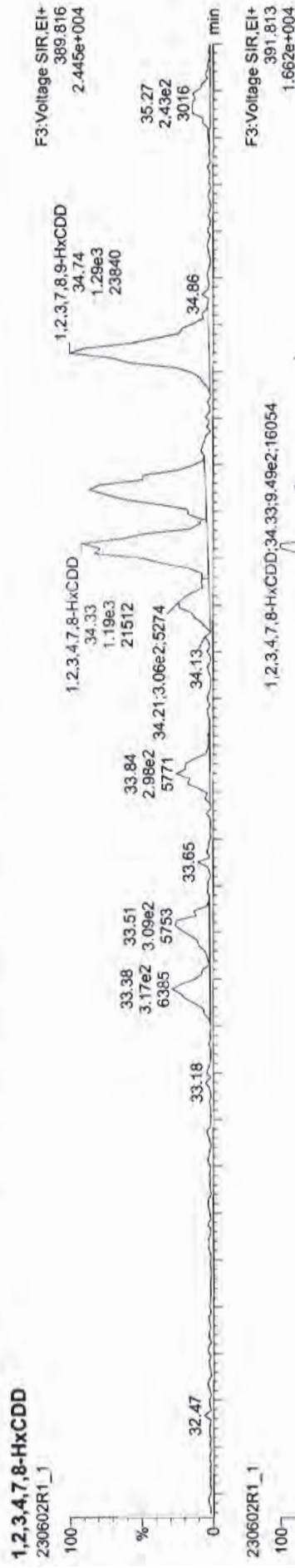
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Printed: Saturday, June 03, 2023 9:38:59 AM Pacific Daylight Time

Name: 230602R1_1, Date: 02-Jun-2023, Time: 10:35:47, ID: ST230602R1_1 1613 CS0 21G0802, Description: 1613 CS0 21G0802



Dataset: Untitled

Last Altered: Saturday, June 03, 2023 9:38:17 AM Pacific Daylight Time
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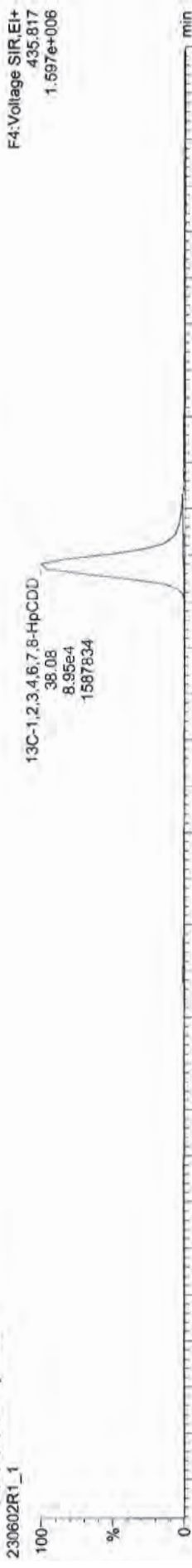
1,2,3,4,6,7,8-HpCDD



230602R1_1



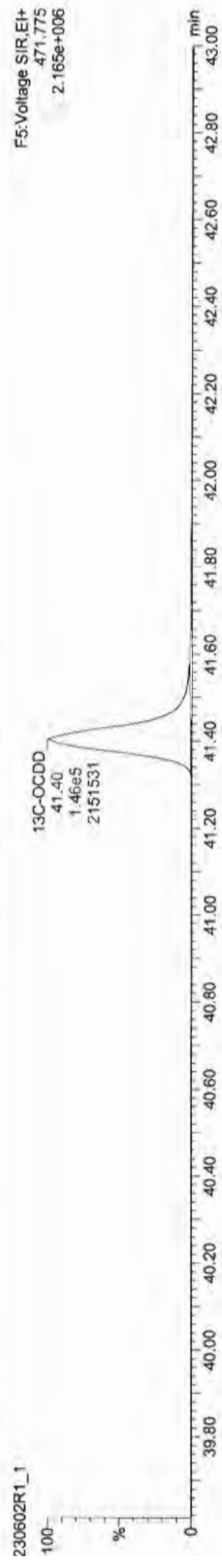
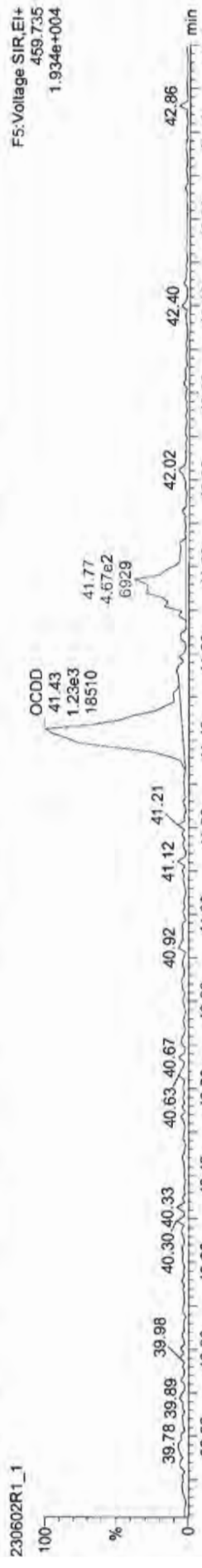
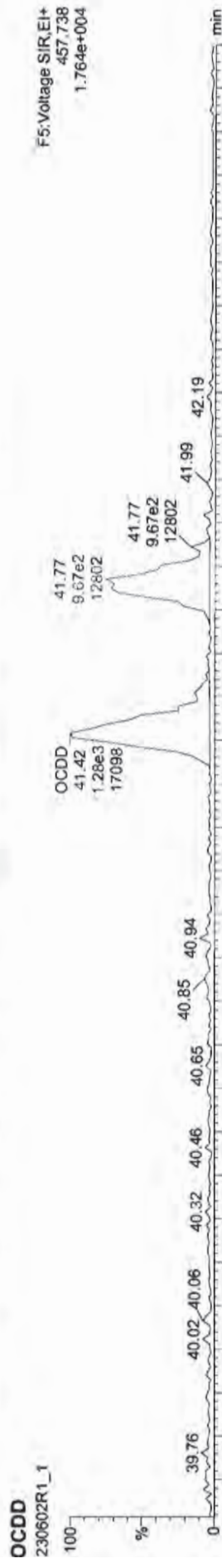
13C-1,2,3,4,6,7,8-HpCDD



230602R1_1



Name: 230602R1_1, Date: 02-Jun-2023, Time: 10:35:47, ID: ST230602R1_1 1613 CS0 21G0802, Description: 1613 CS0 21G0802



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Dataset: Untitled

Last Altered: Saturday, June 03, 2023 9:38:17 AM Pacific Daylight Time
 Printed: Saturday, June 03, 2023 9:38:59 AM Pacific Daylight Time

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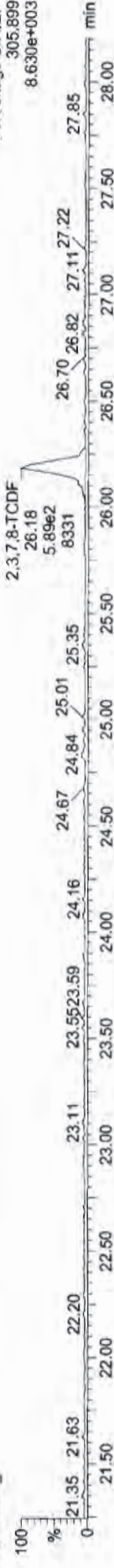
2,3,7,8-TCDF

230602R1_1



F1: Voltage SIR.EI+
 303.9016
 8.697e+003

230602R1_1



F1: Voltage SIR.EI+
 305.899
 8.630e+003

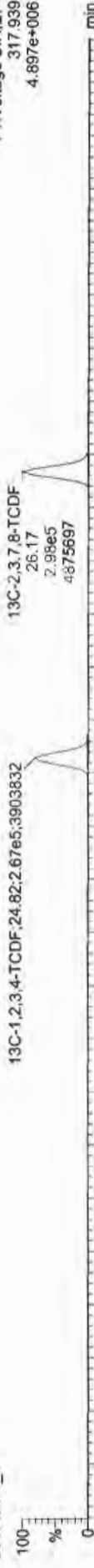
13C-2,3,7,8-TCDF

230602R1_1



F1: Voltage SIR.EI+
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 3.721e+006

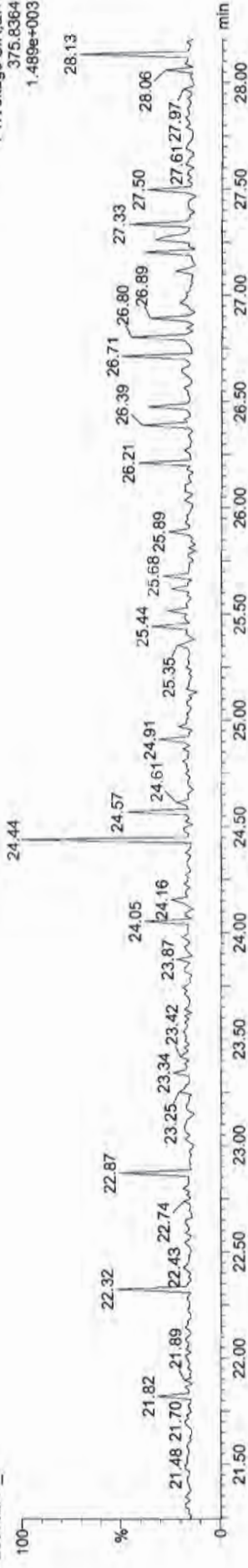
230602R1_1



F1: Voltage SIR.EI+
 317.939
 4.897e+006

DPE1

230602R1_1



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 375.8364
 1.489e+003

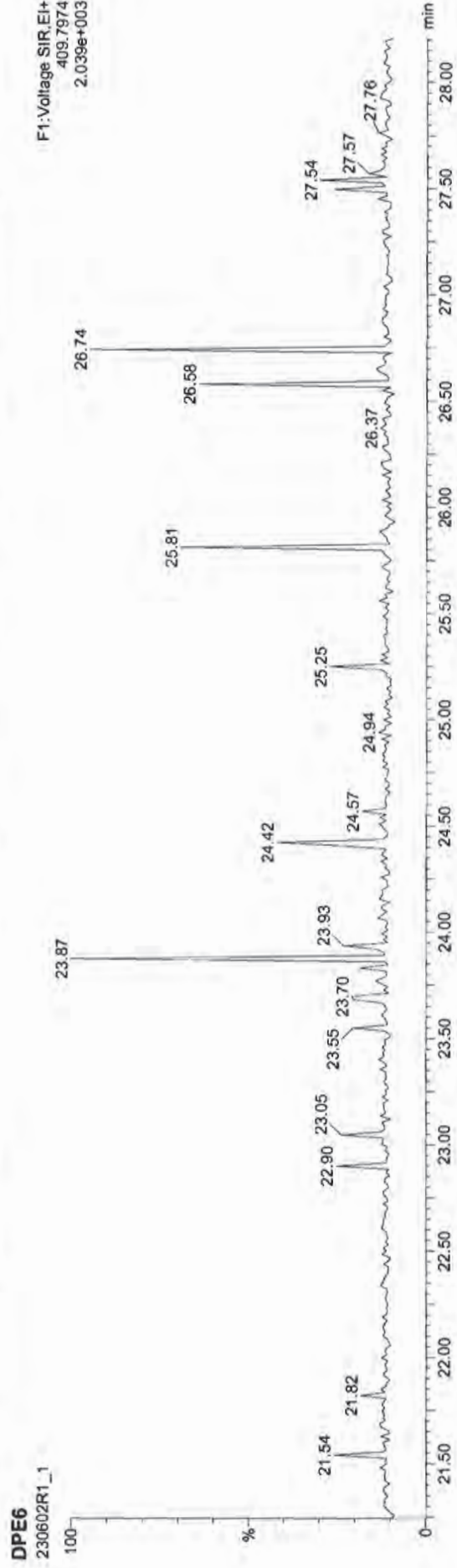
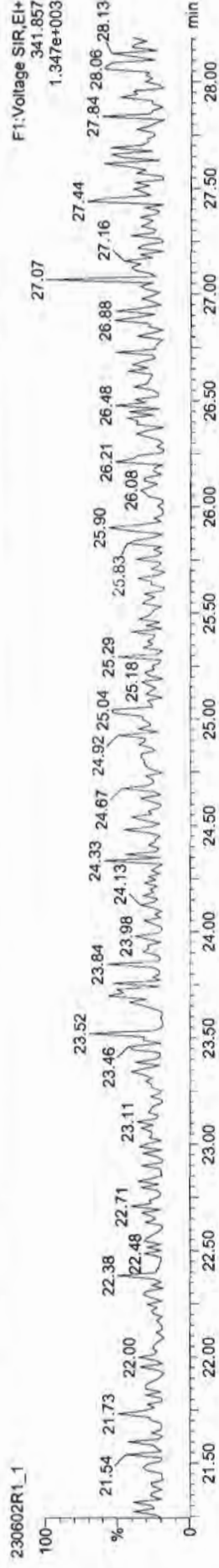
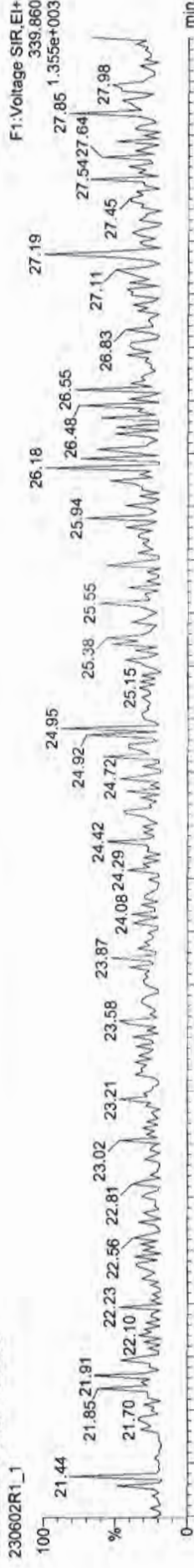
Enthalpy Analytical EDH VG-12

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Printed: Saturday, June 03, 2023 9:38:59 AM Pacific Daylight Time

Name: 230602R1_1, Date: 02-Jun-2023, Time: 10:35:47, ID: ST230602R1_1 1613 CS0 21G0802, Description: 1613 CS0 21G0802

1st Func. Penta-Furans

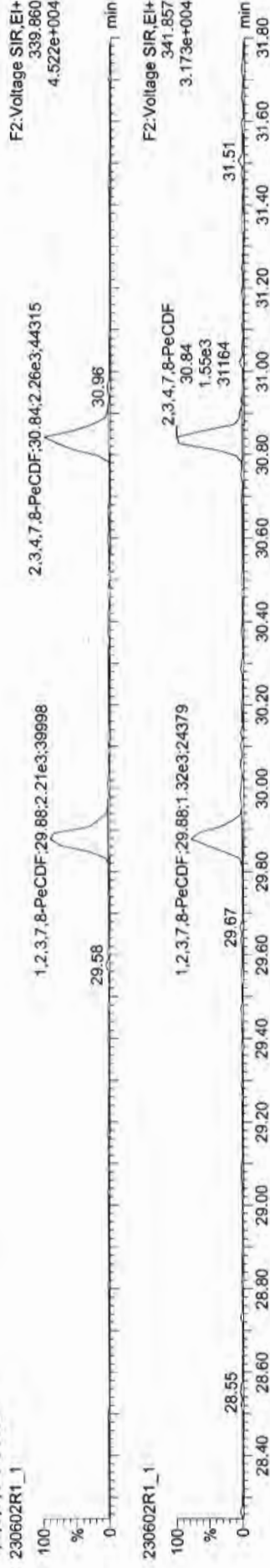


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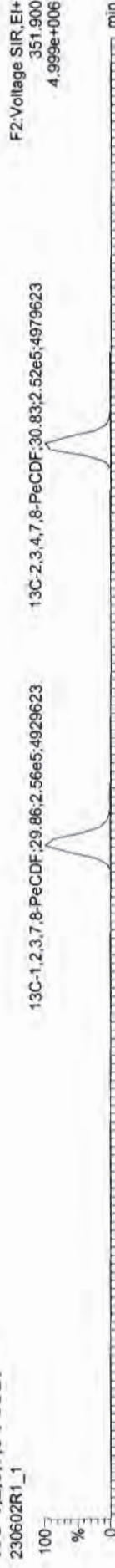
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Printed: Saturday, June 03, 2023 9:38:59 AM Pacific Daylight Time

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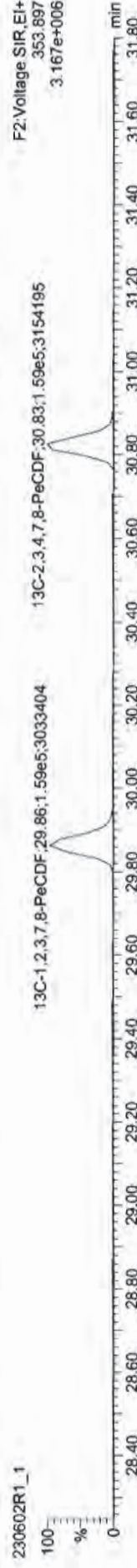
1,2,3,7,8-PeCDF
230602R1_1



13C-1,2,3,7,8-PeCDF
230602R1_1



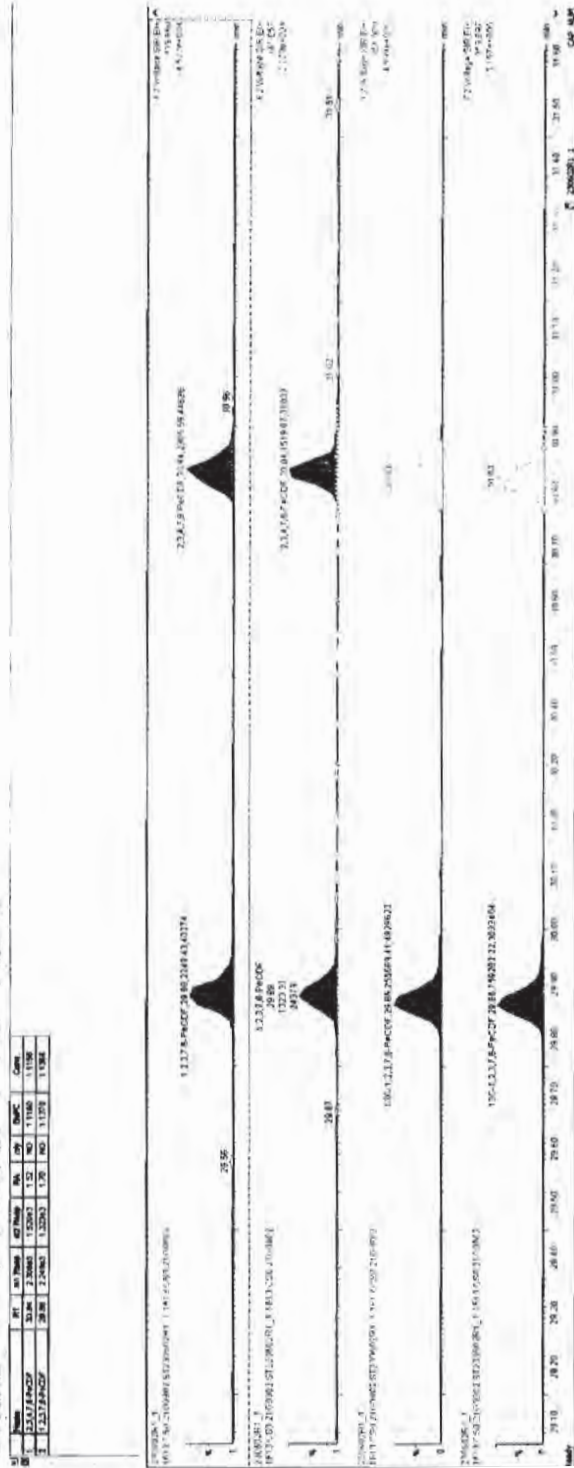
230602R1_1



DPE2



Index	Rating	RA	RP	RP/CR	RT	CR/RT	CR/RA	CR/RA/CR
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28	12-12.3A-123P	5.72	40	1.00	24.84	1.00	1.00	0.17
29	12-12.4A-123P	5.73	40	1.00	24.84	1.00	1.00	0.17
30	12-12.5A-123P	5.74	40	1.00	24.84	1.00	1.00	0.17
31	12-12.6A-123P	5.75	40	1.00	24.84	1.00	1.00	0.17
32	12-12.7A-123P	5.76	40	1.00	24.84	1.00	1.00	0.17
33	12-12.8A-123P	5.77	40	1.00	24.84	1.00	1.00	0.17
34	12-12.9A-123P	5.78	40	1.00	24.84	1.00	1.00	0.17
35	12-13.0A-123P	5.79	40	1.00	24.84	1.00	1.00	0.17
36	12-13.1A-123P	5.80	40	1.00	24.84	1.00	1.00	0.17
37	12-13.2A-123P	5.81	40	1.00	24.84	1.00	1.00	0.17
38	12-13.3A-123P	5.82	40	1.00	24.84	1.00	1.00	0.17
39	12-13.4A-123P	5.83	40	1.00	24.84	1.00	1.00	0.17
40	12-13.5A-123P	5.84	40	1.00	24.84	1.00	1.00	0.17
41	12-13.6A-123P	5.85	40	1.00	24.84	1.00	1.00	0.17
42	12-13.7A-123P	5.86	40	1.00	24.84	1.00	1.00	0.17
43	12-13.8A-123P	5.87	40	1.00	24.84	1.00	1.00	0.17
44	12-13.9A-123P	5.88	40	1.00	24.84	1.00	1.00	0.17
45	12-14.0A-123P	5.89	40	1.00	24.84	1.00	1.00	0.17
46	12-14.1A-123P	5.90	40	1.00	24.84	1.00	1.00	0.17
47	12-14.2A-123P	5.91	40	1.00	24.84	1.00	1.00	0.17
48	12-14.3A-123P	5.92	40	1.00	24.84	1.00	1.00	0.17
49	12-14.4A-123P	5.93	40	1.00	24.84	1.00	1.00	0.17
50	12-14.5A-123P	5.94	40	1.00	24.84	1.00	1.00	0.17
51	12-14.6A-123P	5.95	40	1.00	24.84	1.00	1.00	0.17
52	12-14.7A-123P	5.96	40	1.00	24.84	1.00	1.00	0.17
53	12-14.8A-123P	5.97	40	1.00	24.84	1.00	1.00	0.17
54	12-14.9A-123P	5.98	40	1.00	24.84	1.00	1.00	0.17
55	12-15.0A-123P	5.99	40	1.00	24.84	1.00	1.00	0.17
56	12-15.1A-123P	6.00	40	1.00	24.84	1.00	1.00	0.17
57	12-15.2A-123P	6.01	40	1.00	24.84	1.00	1.00	0.17
58	12-15.3A-123P	6.02	40	1.00	24.84	1.00	1.00	0.17
59	12-15.4A-123P	6.03	40	1.00	24.84	1.00	1.00	0.17
60	12-15.5A-123P	6.04	40	1.00	24.84	1.00	1.00	0.17
61	12-15.6A-123P	6.05	40	1.00	24.84	1.00	1.00	0.17
62	12-15.7A-123P	6.06	40	1.00	24.84	1.00	1.00	0.17
63	12-15.8A-123P	6.07	40	1.00	24.84	1.00	1.00	0.17
64	12-15.9A-123P	6.08	40	1.00	24.84	1.00	1.00	0.17
65	12-16.0A-123P	6.09	40	1.00	24.84	1.00	1.00	0.17
66	12-16.1A-123P	6.10	40	1.00	24.84	1.00	1.00	0.17
67	12-16.2A-123P	6.11	40	1.00	24.84	1.00	1.00	0.17
68	12-16.3A-123P	6.12	40	1.00	24.84	1.00	1.00	0.17
69	12-16.4A-123P	6.13	40	1.00	24.84	1.00	1.00	0.17
70	12-16.5A-123P	6.14	40	1.00	24.84	1.00	1.00	0.17
71	12-16.6A-123P	6.15	40	1.00	24.84	1.00	1.00	0.17
72	12-16.7A-123P	6.16	40	1.00	24.84	1.00	1.00	0.17
73	12-16.8A-123P	6.17	40	1.00	24.84	1.00	1.00	0.17
74	12-16.9A-123P	6.18	40	1.00	24.84	1.00	1.00	0.17
75	12-17.0A-123P	6.19	40	1.00	24.84	1.00	1.00	0.17
76	12-17.1A-123P	6.20	40	1.00	24.84	1.00	1.00	0.17
77	12-17.2A-123P	6.21	40	1.00	24.84	1.00	1.00	0.17
78	12-17.3A-123P	6.22	40	1.00	24.84	1.00	1.00	0.17
79	12-17.4A-123P	6.23	40	1.00	24.84	1.00	1.00	0.17
80	12-17.5A-123P	6.24	40	1.00	24.84	1.00	1.00	0.17
81	12-17.6A-123P	6.25	40	1.00	24.84	1.00	1.00	0.17
82	12-17.7A-123P	6.26	40	1.00	24.84	1.00	1.00	0.17
83	12-17.8A-123P	6.27	40	1.00	24.84	1.00	1.00	0.17
84	12-17.9A-123P	6.28	40	1.00	24.84	1.00	1.00	0.17
85	12-18.0A-123P	6.29	40	1.00	24.84	1.00	1.00	0.17
86	12-18.1A-123P	6.30	40	1.00	24.84	1.00	1.00	0.17
87	12-18.2A-123P	6.31	40	1.00	24.84	1.00	1.00	0.17
88	12-18.3A-123P	6.32	40	1.00	24.84	1.00	1.00	0.17
89	12-18.4A-123P	6.33	40	1.00	24.84	1.00	1.00	0.17
90	12-18.5A-123P	6.34	40	1.00	24.84	1.00	1.00	0.17
91	12-18.6A-123P	6.35	40	1.00	24.84	1.00	1.00	0.17
92	12-18.7A-123P	6.36	40	1.00	24.84	1.00	1.00	0.17
93	12-18.8A-123P	6.37	40	1.00	24.84	1.00	1.00	0.17
94	12-18.9A-123P	6.38	40	1.00	24.84	1.00	1.00	0.17
95	12-19.0A-123P	6.39	40	1.00	24.84	1.00	1.00	0.17
96	12-19.1A-123P	6.40	40	1.00	24.84	1.00	1.00	0.17
97	12-19.2A-123P	6.41	40	1.00	24.84	1.00	1.00	0.17
98	12-19.3A-123P	6.42	40	1.00	24.84	1.00	1.00	0.17
99	12-19.4A-123P	6.43	40	1.00	24.84	1.00	1.00	0.17
100	12-19.5A-123P	6.44	40	1.00	24.84	1.00	1.00	0.17



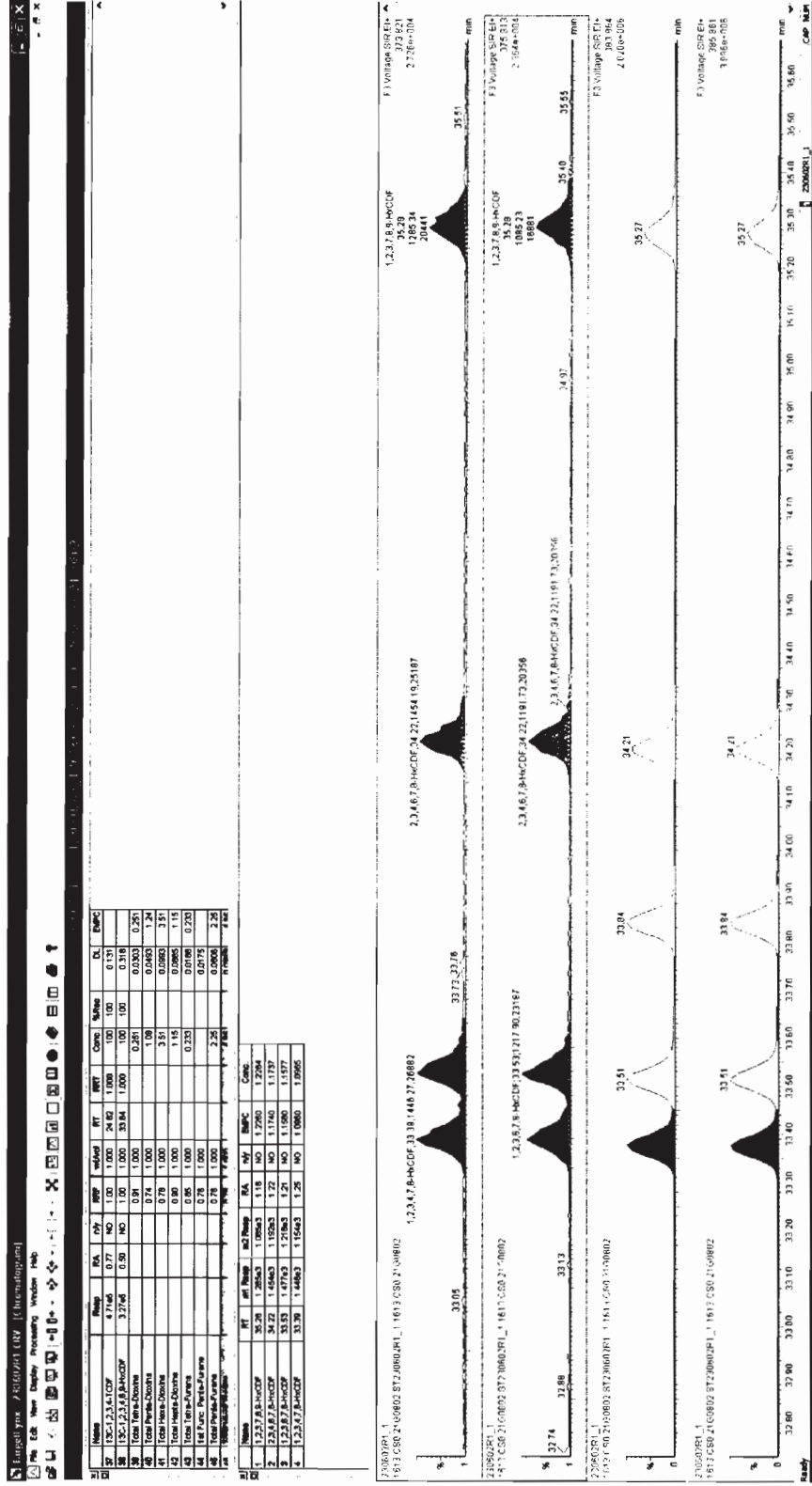
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Printed: Saturday, June 03, 2023 9:38:59 AM Pacific Daylight Time

Name: 230602R1_1, Date: 02-Jun-2023, Time: 10:35:47, ID: ST230602R1_1 1613 CS0 21G0802, Description: 1613 CS0 21G0802

1,2,3,4,7,8-HxCDF



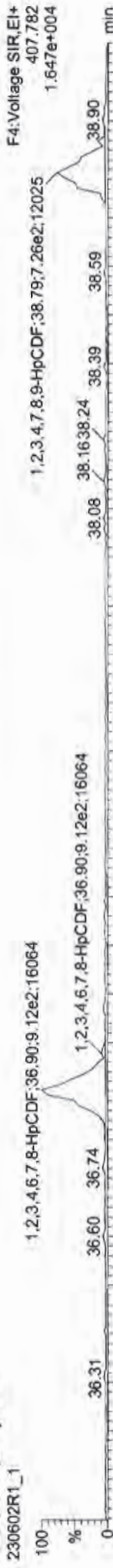


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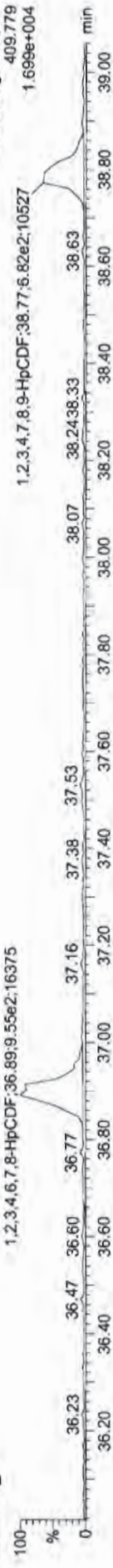
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 Printed: Saturday, June 03, 2023 9:38:59 AM Pacific Daylight Time

Name: 230602R1_1, Date: 02-Jun-2023, Time: 10:35:47, ID: ST230602R1_1 1613 CS0 21G0802, Description: 1613 CS0 21G0802

1,2,3,4,6,7,8-HpCDF



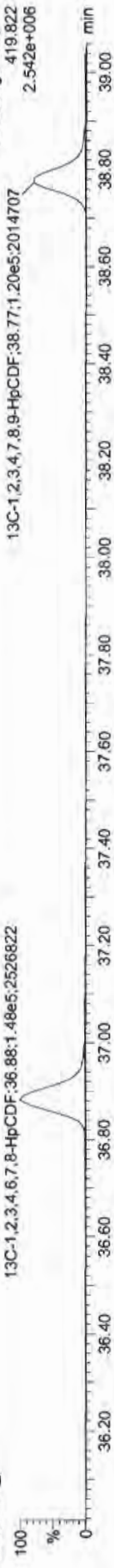
13C-1,2,3,4,6,7,8-HpCDF



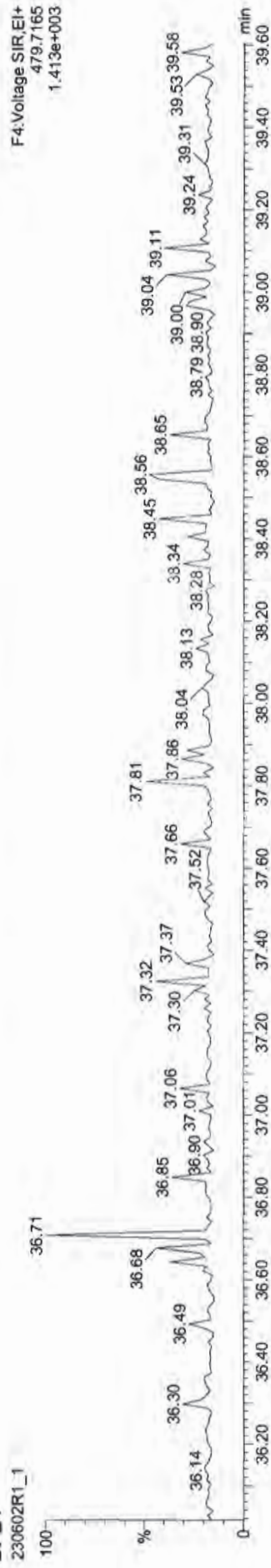
13C-1,2,3,4,6,7,8-HpCDF



13C-1,2,3,4,6,7,8-HpCDF



DPE4



Dataset: Untitled

Last Altered: Saturday, June 03, 2023 9:38:17 AM Pacific Daylight Time
Printed: Saturday, June 03, 2023 9:38:59 AM Pacific Daylight Time

Name: 230602R1_1, Date: 02-Jun-2023, Time: 10:35:47, ID: ST230602R1_1 1613 CS0 21G0802, Description: 1613 CS0 21G0802

OCDF

230602R1_1



230602R1_1



13C-OCDF

230602R1_1

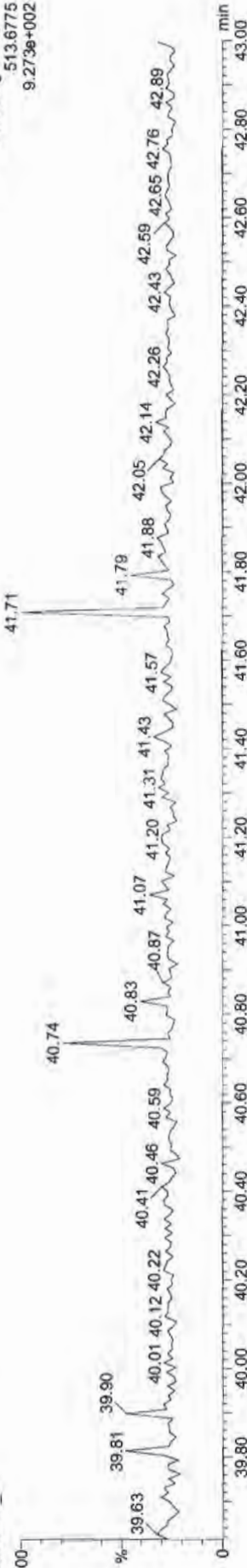


230602R1_1

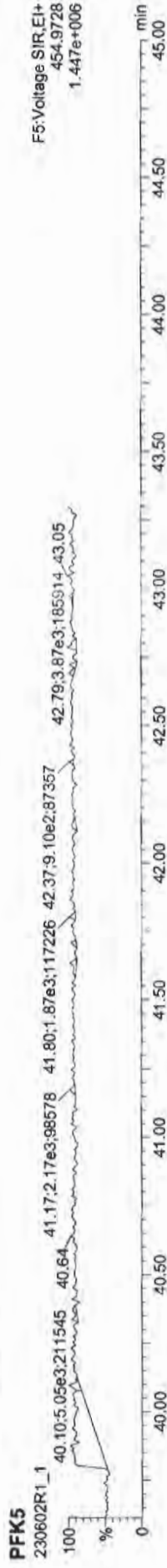
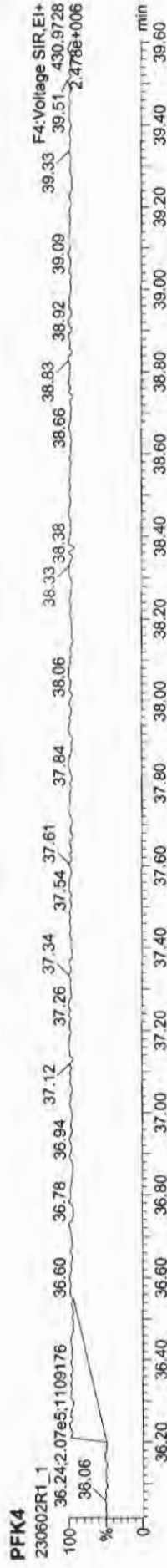
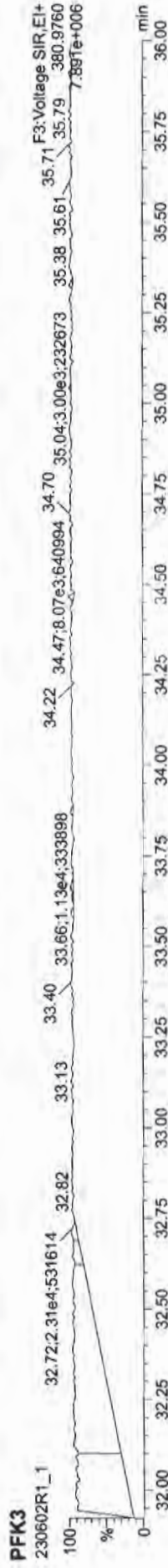
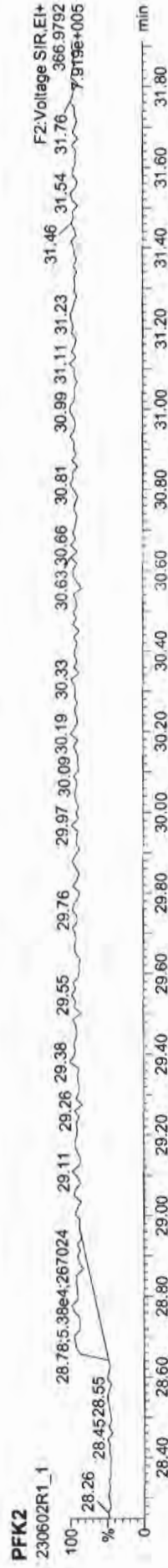
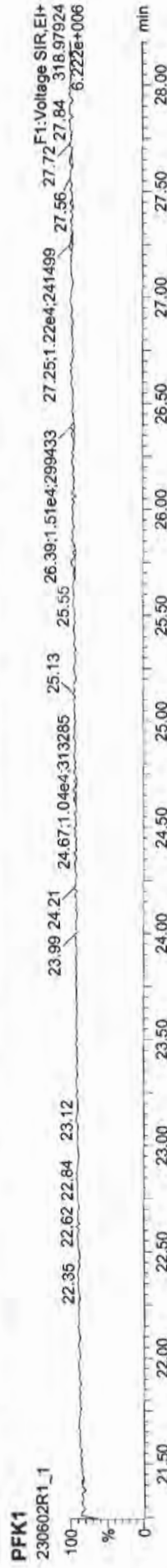


DPE5

230602R1_1



Dataset: Untitled



Dataset: Untitled

Last Altered: Saturday, June 03, 2023 9:38:17 AM Pacific Daylight Time
 Printed: Saturday, June 03, 2023 9:38:59 AM Pacific Daylight Time

Name: 230602R1_2, Date: 02-Jun-2023, Time: 11:34:04, ID: ST230602R1_2 1613 CS1 21G0803, Description: 1613 CS1 21G0803

2,3,7,8-TCDD

230602R1_2

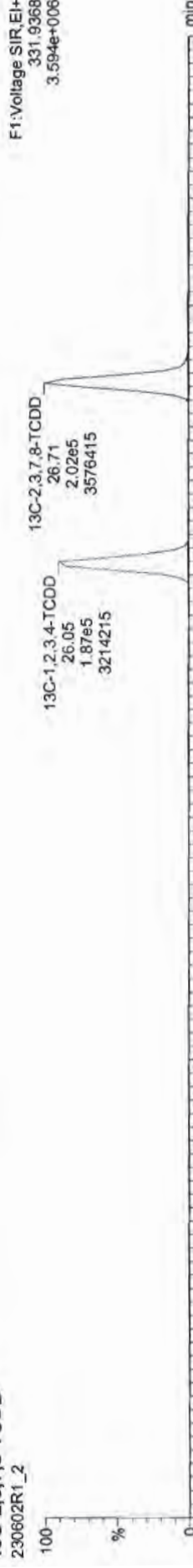


230602R1_2



13C-2,3,7,8-TCDD

230602R1_2



230602R1_2

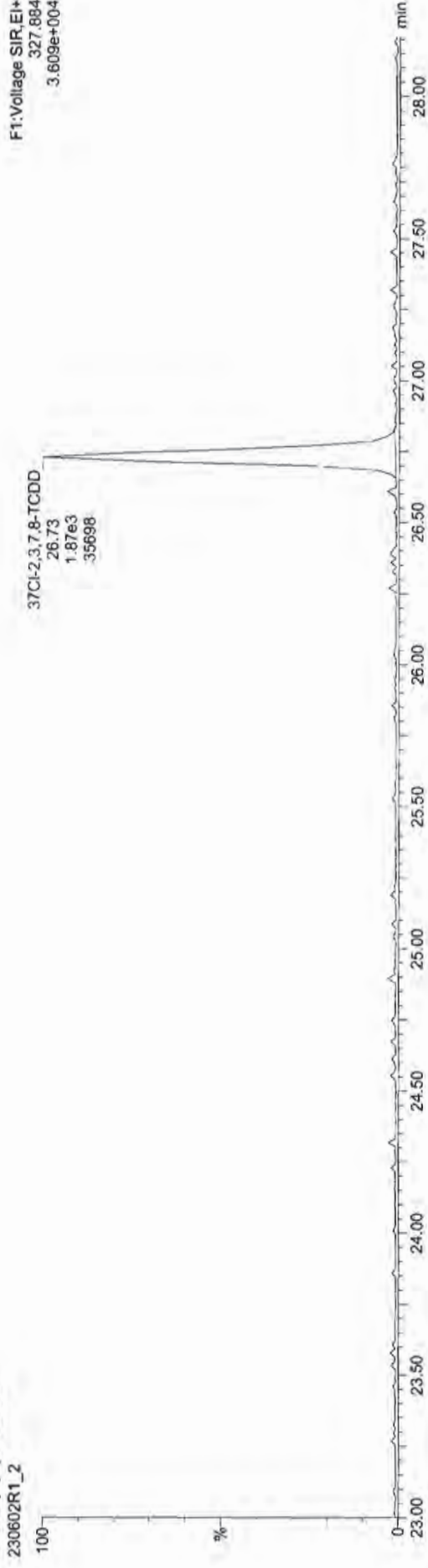


Dataset: Untitled

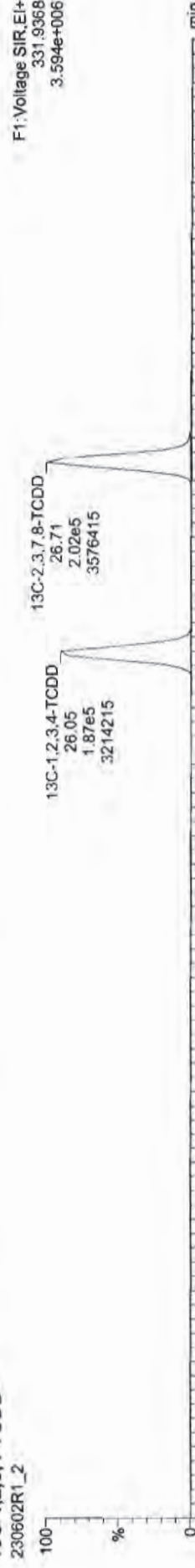
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Printed: Saturday, June 03, 2023 9:38:59 AM Pacific Daylight Time

Name: 230602R1_2, Date: 02-Jun-2023, Time: 11:34:04, ID: ST230602R1_2 1613 CS1 21G0803, Description: 1613 CS1 21G0803

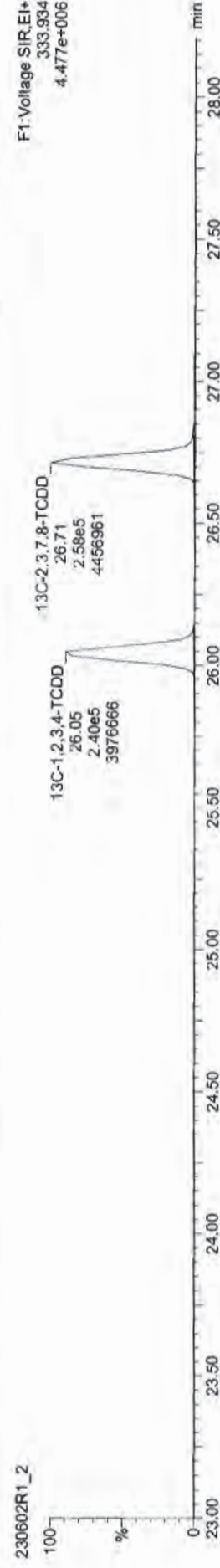
37Cl-2,3,7,8-TCDD
230602R1_2



13C-1,2,3,4-TCDD
230602R1_2



230602R1_2



Dataset: Untitled

Last Altered: Saturday, June 03, 2023 9:38:17 AM Pacific Daylight Time
Printed: Saturday, June 03, 2023 9:38:59 AM Pacific Daylight Time

Name: 230602R1_2, Date: 02-Jun-2023, Time: 11:34:04, ID: ST230602R1_2 1613 CS1 21G0803, Description: 1613 CS1 21G0803

1,2,3,7,8-PeCDD

230602R1_2



230602R1_2



13C-1,2,3,7,8-PeCDD

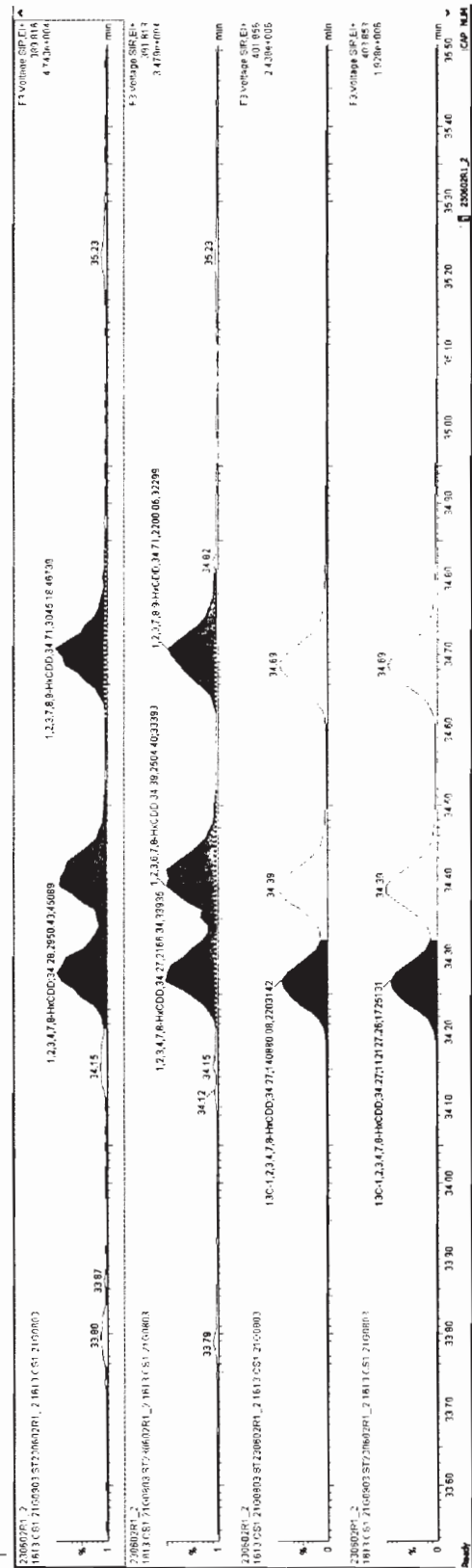
230602R1_2



230602R1_2



Series	RT	cat. Range	Q2 Range	RA	W	BP/C	Qvts
1	1.2, 1.7, 8.8-10-COO	34-71	3.045-63	1.36	NO	2.3340	2.3337
2	1.2, 2.7, 8.8-10-COO	34-50	3.107-63	1.20	NO	2.4480	2.4458
3	1.2, 2.7, 8.8-10-COO	34-39	2.960-63	1.36	NO	2.4170	2.4160



Dataset: Untitled

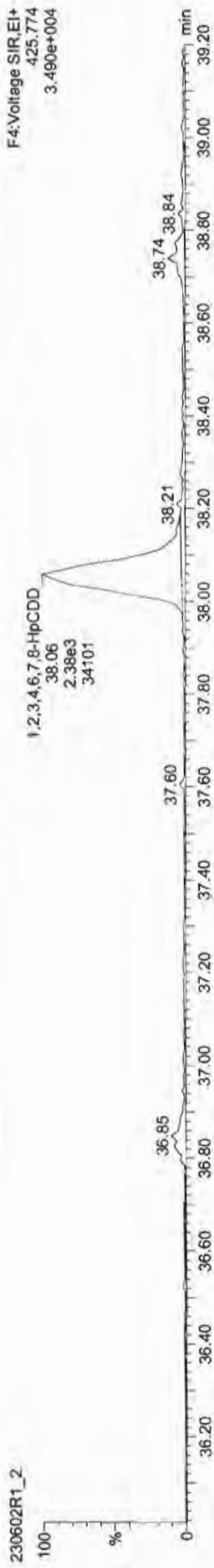
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Name: 230602R1_2, Date: 02-Jun-2023, Time: 11:34:04, ID: ST230602R1_2 1613 CS1 21G0803, Description: 1613 CS1 21G0803

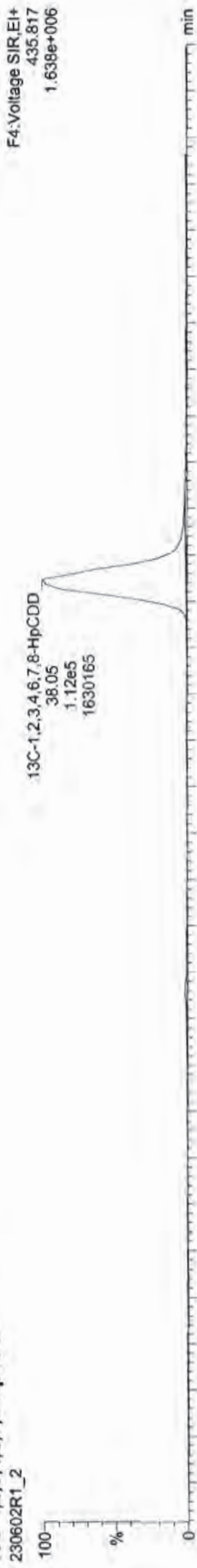
1,2,3,4,6,7,8-HpCDD



230602R1_2



13C-1,2,3,4,6,7,8-HpCDD



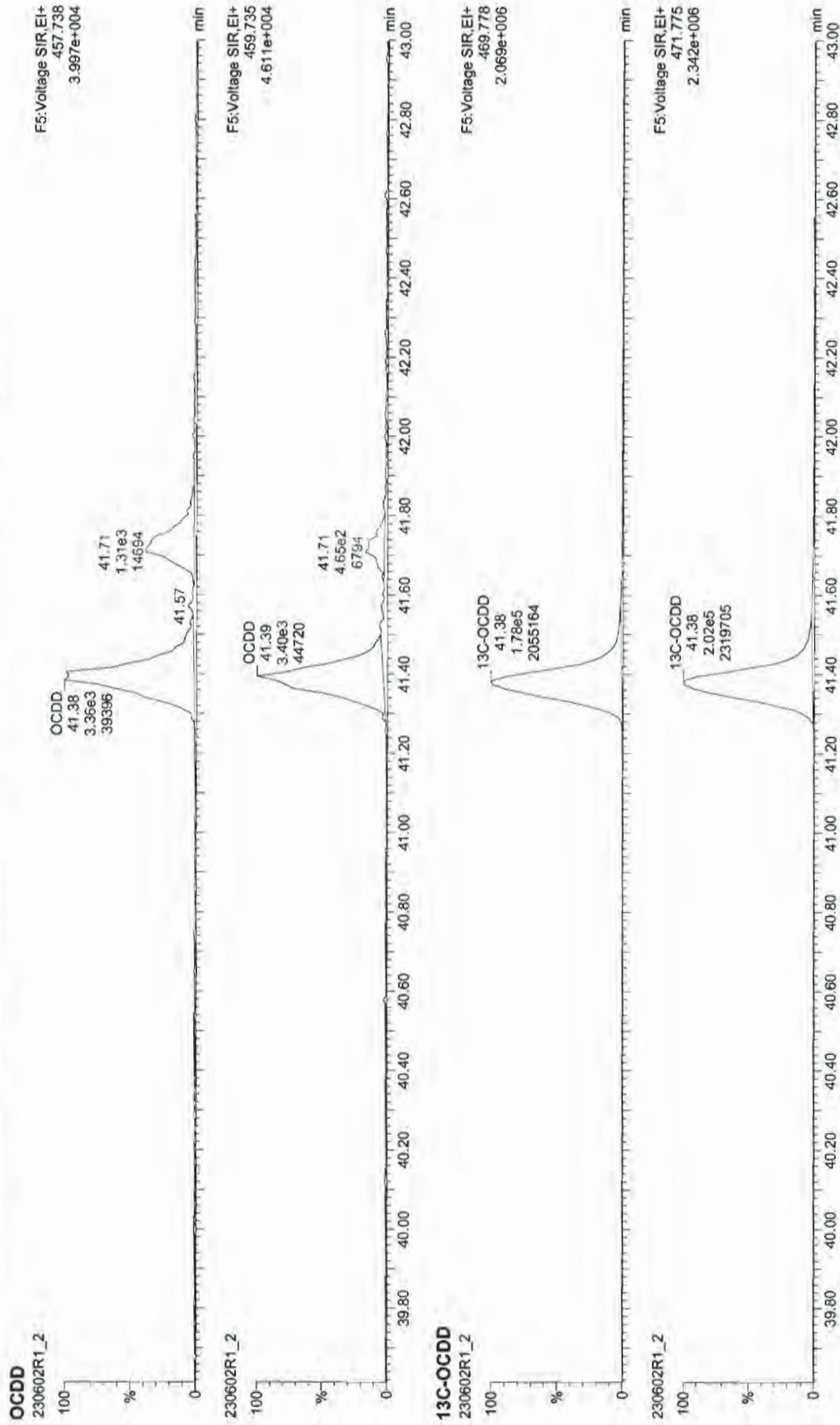
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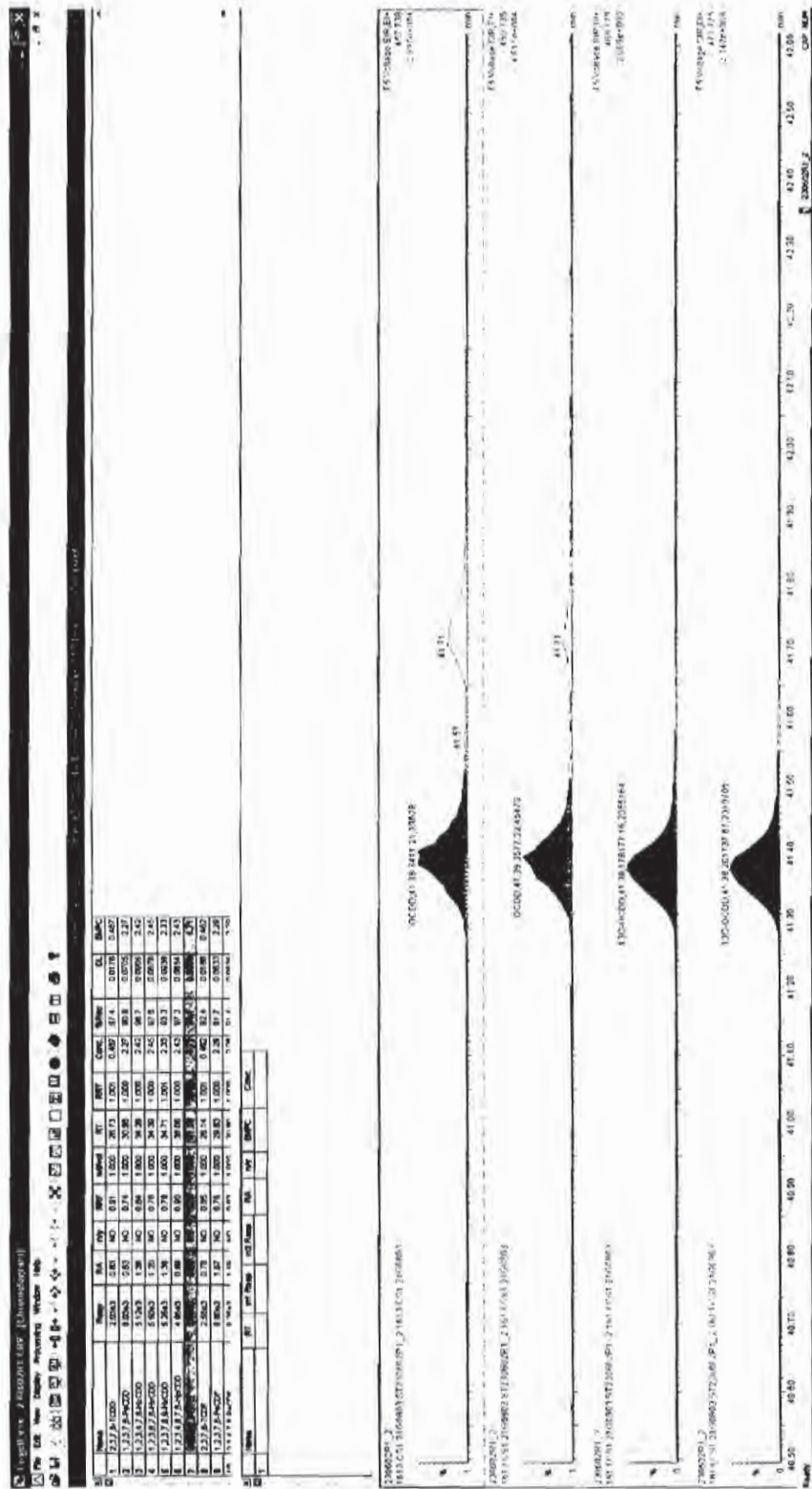


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Printed: Saturday, June 03, 2023 9:38:59 AM Pacific Daylight Time

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Printed: Saturday, June 03, 2023 9:38:59 AM Pacific Daylight Time

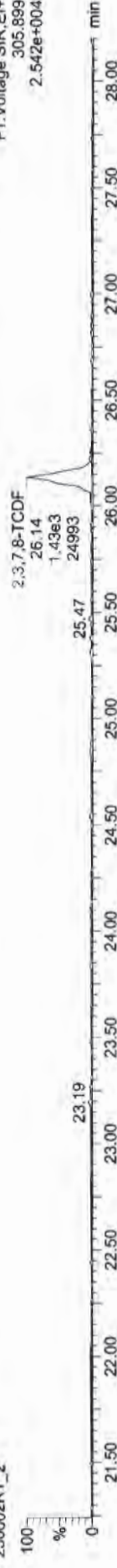
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2,3,7,8-TCDF
230602R1_2



F1: Voltage SIR, EI+
303.9016
1.971e+004

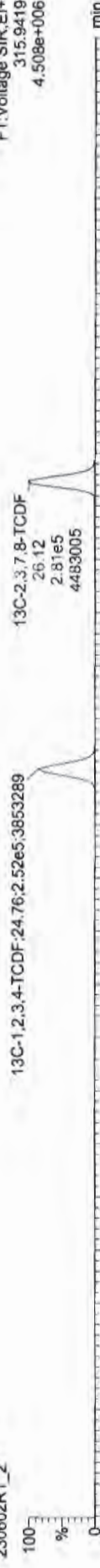
230602R1_2



F1: Voltage SIR, EI+
305.899
2.542e+004

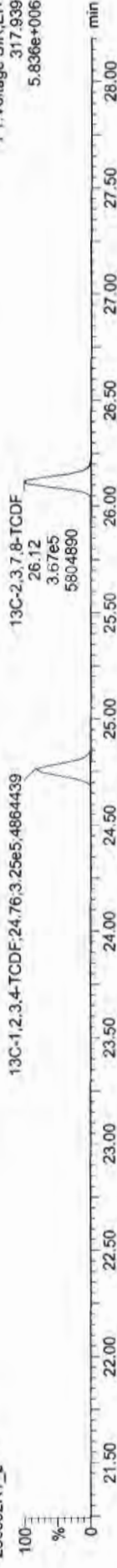
13C-2,3,7,8-TCDF

230602R1_2



F1: Voltage SIR, EI+
315.9419
4.508e+006

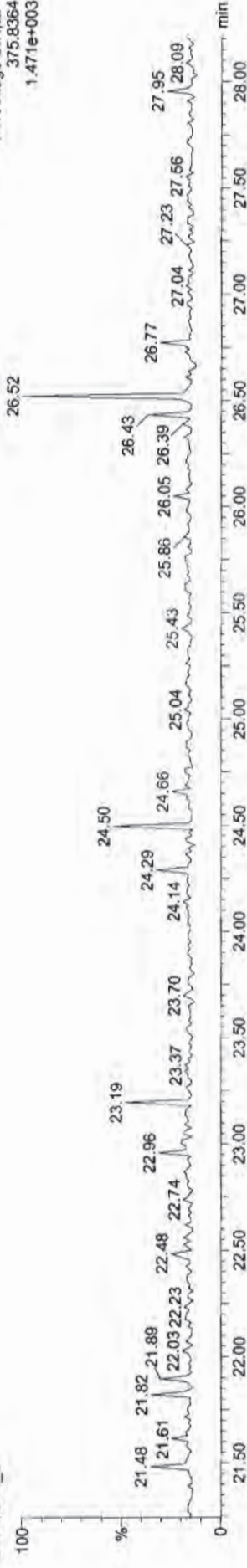
230602R1_2



F1: Voltage SIR, EI+
317.939
5.836e+006

DPE1

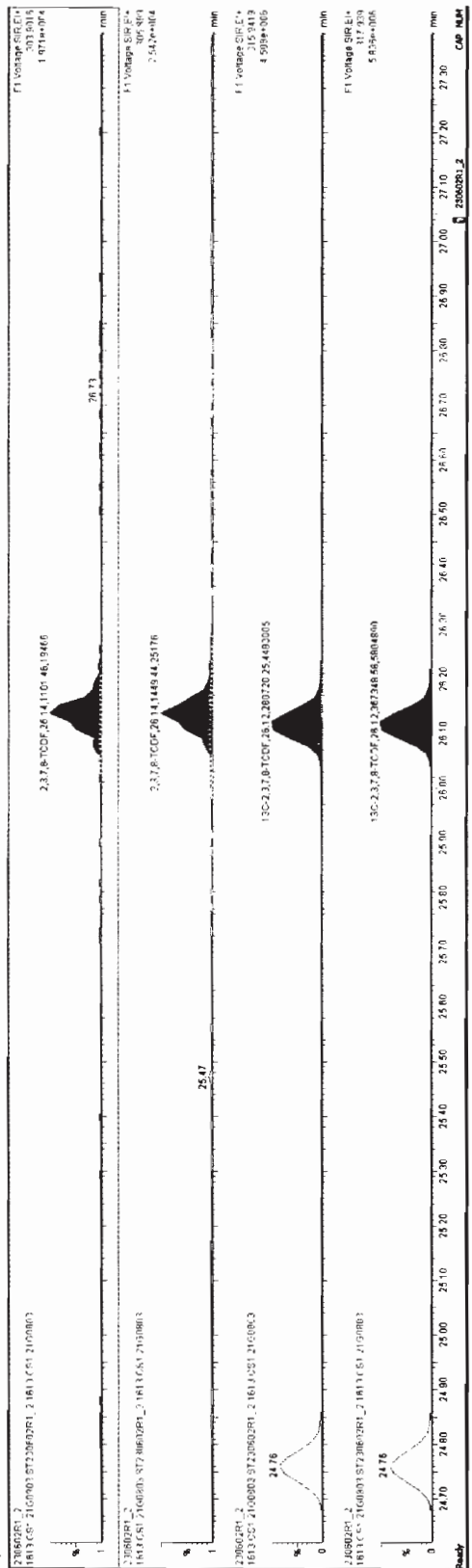
230602R1_2



F1: Voltage SIR, EI+
375.8364
1.471e+003

	Sample	Reps	RA	IRV	IRV	valued	RT	RTT	Conv.	Ratio	DL
57	15C-1,2,3,4,TCOF	5,776s	0.79	NO	1.00	1.00	24.76	1.00	100	100	0.117
58	15C-1,2,3,4,5,6,7,8,9,10,11,12,13,14,15,16,17,18,19,20,21,22,23,24,25,26,27,28,29,30,31,32,33,34,35,36,37,38,39,40,41,42,43,44,45,46,47,48,49,50,51,52,53,54,55,56,57,58,59,60,61,62,63,64,65,66,67,68,69,70,71,72,73,74,75,76,77,78,79,80,81,82,83,84,85,86,87,88,89,90,91,92,93,94,95,96,97,98,99,100	3,660s	0.50	NO	1.00	1.00	33.86	1.00	100	100	0.268
59	Total Reps: Double				0.91	1.00			0.487		0.078
60	Total Reps: Double				0.74	1.00			0.005		2.40
61	Total Reps: Double				0.75	1.00			2.27		2.40
62	Total Reps: Double				0.91	1.00			2.35		0.062
63	Total Reps: Double				0.91	1.00			2.35		0.062
64	16F-1,2,3,4,5,6,7,8,9,10,11,12,13,14,15,16,17,18,19,20,21,22,23,24,25,26,27,28,29,30,31,32,33,34,35,36,37,38,39,40,41,42,43,44,45,46,47,48,49,50,51,52,53,54,55,56,57,58,59,60,61,62,63,64,65,66,67,68,69,70,71,72,73,74,75,76,77,78,79,80,81,82,83,84,85,86,87,88,89,90,91,92,93,94,95,96,97,98,99,100	1,647s	0.76	1.00	1.00	1.00	27.2	1.00	100	100	0.0014
65	Total Reps: Full runs				0.76	1.00			4.56		0.0011
66	Total Reps: Full runs				0.75	1.00			4.56		0.0011
67	Total Reps: Full runs				0.75	1.00			4.56		0.0011
68	Total Reps: Full runs				0.75	1.00			4.56		0.0011

Name	RT	m1 Resp	m2 Resp	RA	ply	EMPC	Corr.
1 2,3,7,8-TCDF	26.14	1.101e3	1.449e3	0.76	NO	0.46200	0.46207



Enthalpy Analytical EDH VG-12

Dataset: Untitled

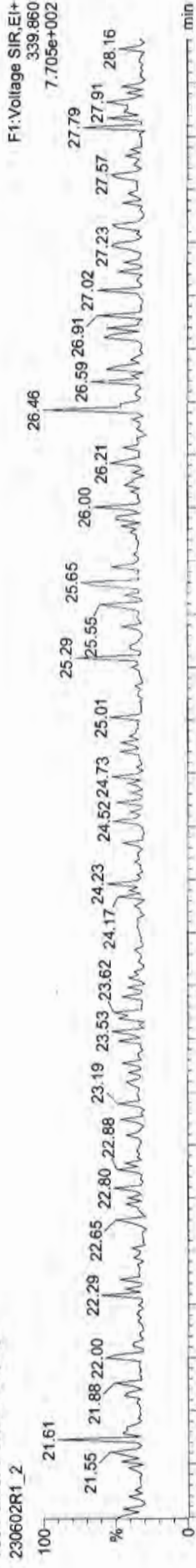
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Printed: Saturday, June 03, 2023 9:38:59 AM Pacific Daylight Time

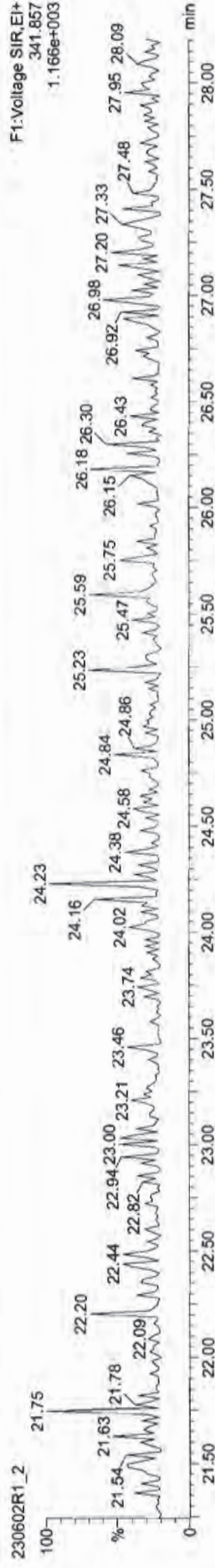
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1st Func. Penta-Furans

230602R1_2

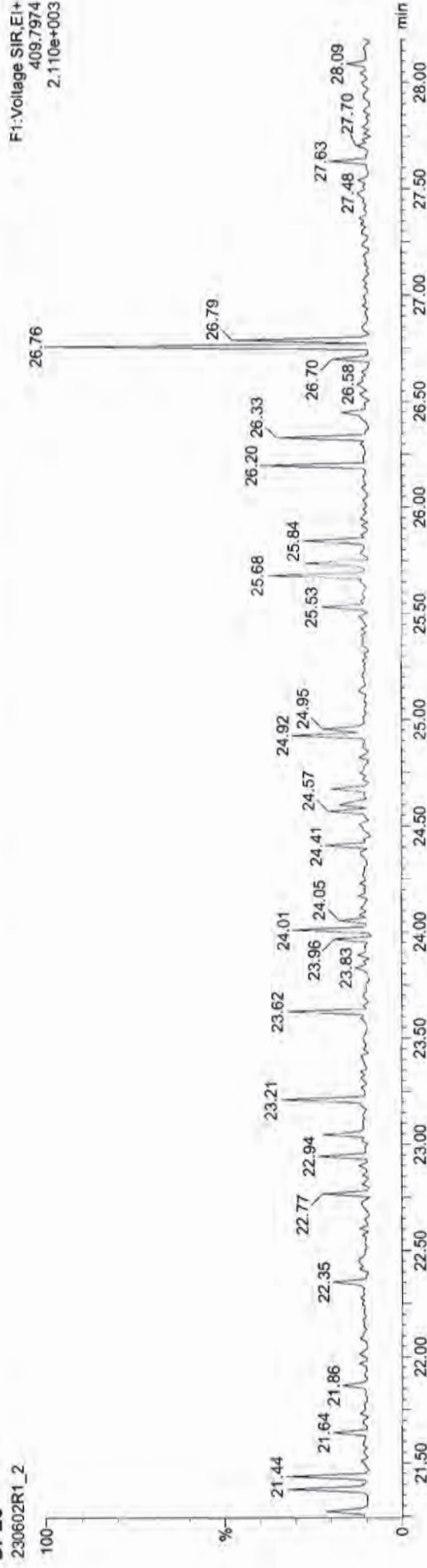


230602R1_2



DPE6

230602R1_2

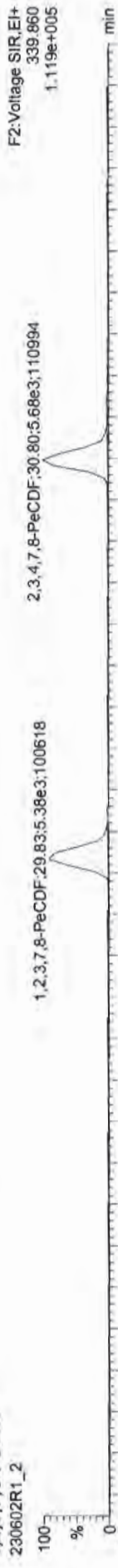


Dataset: Untitled

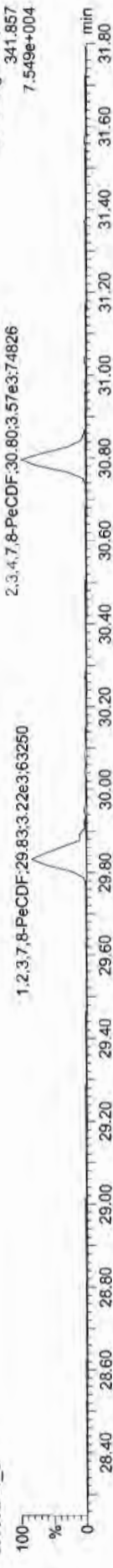
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Printed: Saturday, June 03, 2023 9:38:59 AM Pacific Daylight Time

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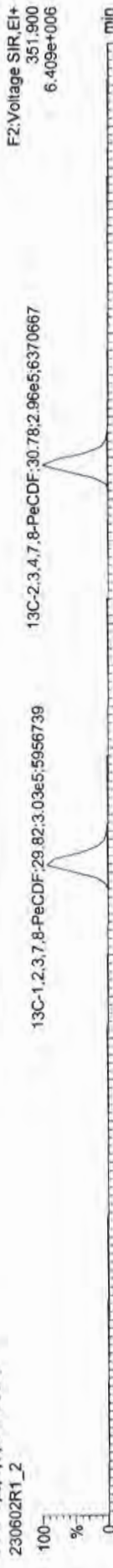
1,2,3,7,8-PeCDF



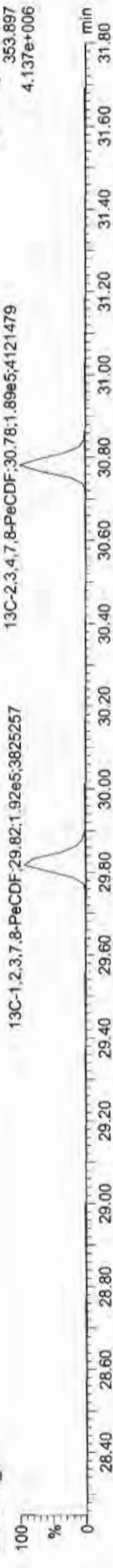
230602R1_2



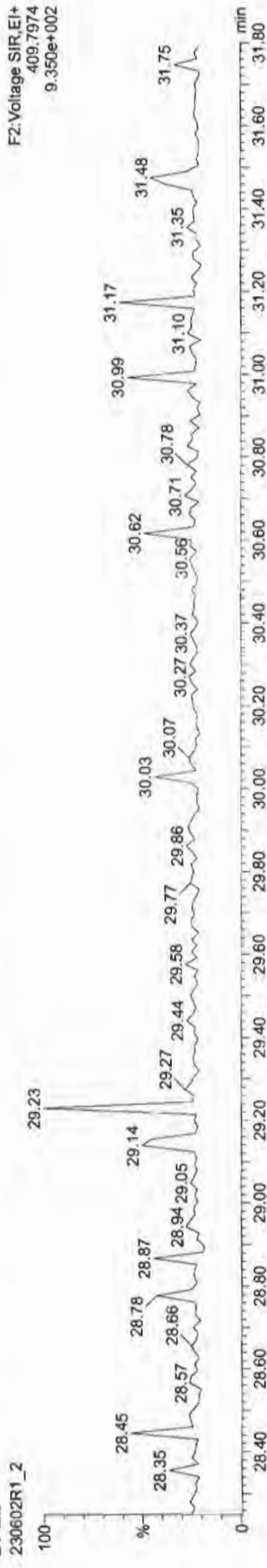
13C-1,2,3,7,8-PeCDF



230602R1_2



DPE2



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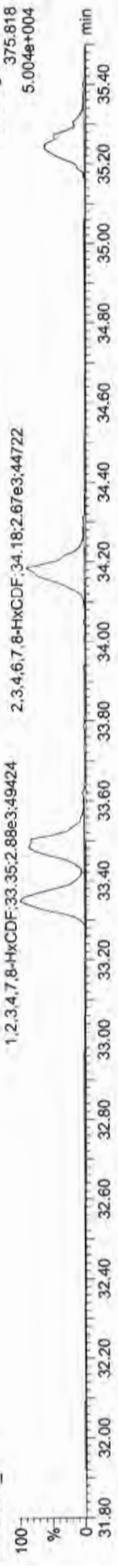
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Printed: Saturday, June 03, 2023 9:38:59 AM Pacific Daylight Time

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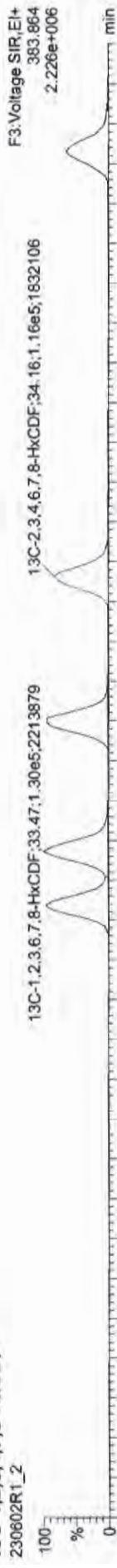
1,2,3,4,7,8-HxCDF



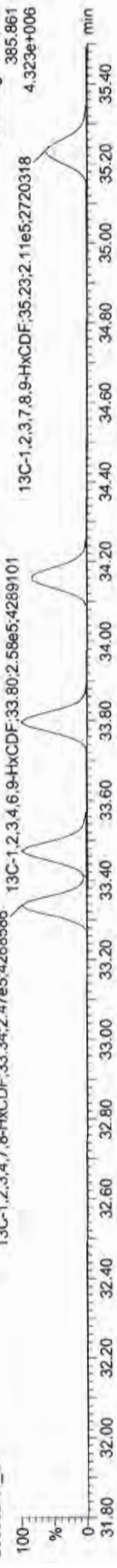
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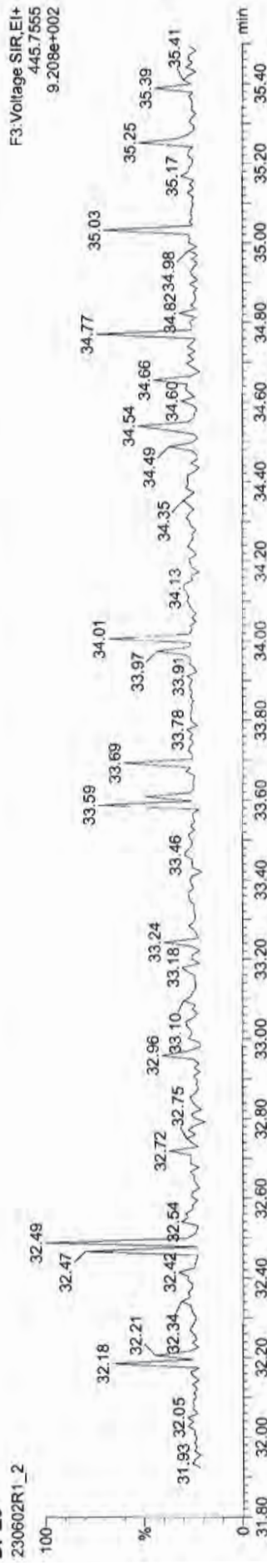
13C-1,2,3,4,7,8-HxCDF



13C-1,2,3,4,7,8-HxCDF



DPE3



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Printed: Saturday, June 03, 2023 9:38:59 AM Pacific Daylight Time

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1,2,3,4,6,7,8-HpCDF



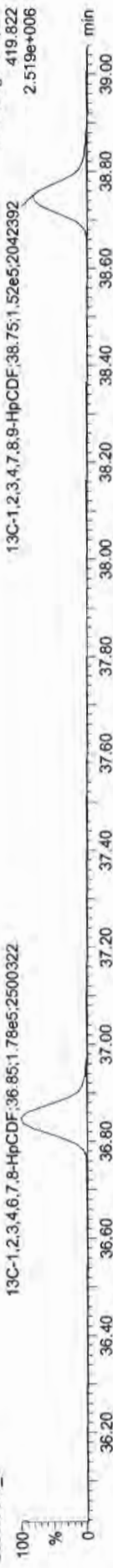
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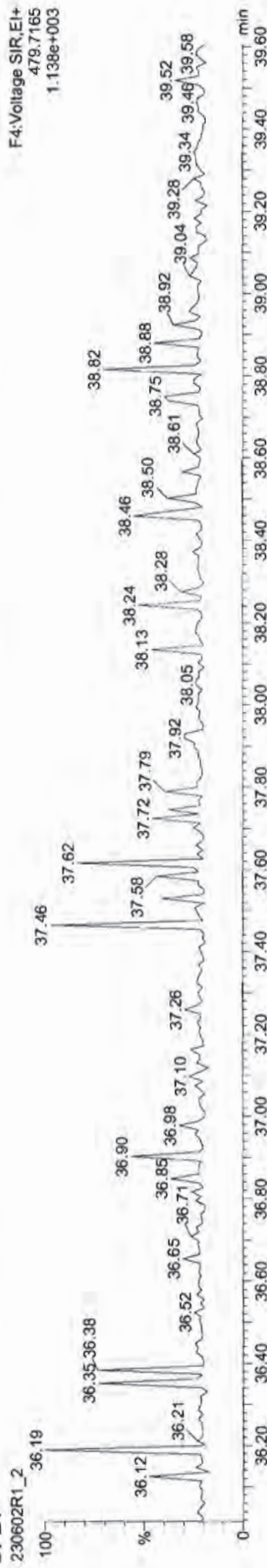
13C-1,2,3,4,6,7,8-HpCDF



13C-1,2,3,4,6,7,8-HpCDF



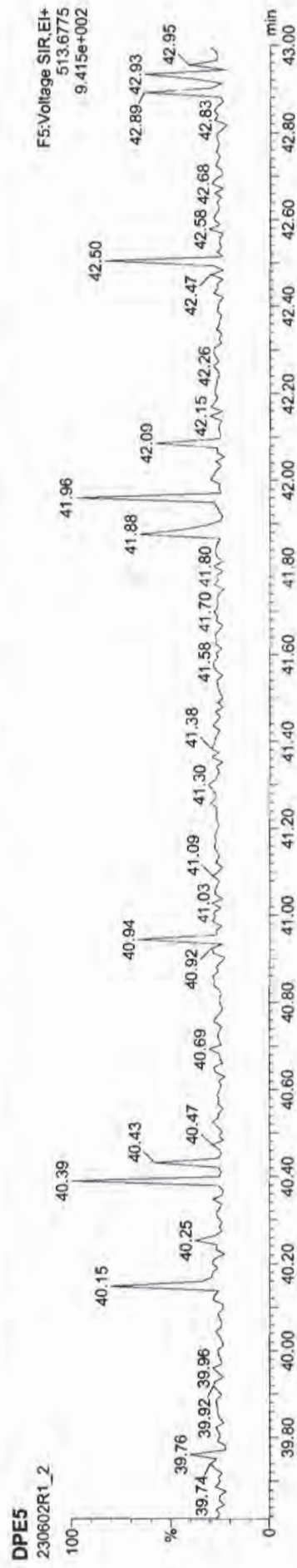
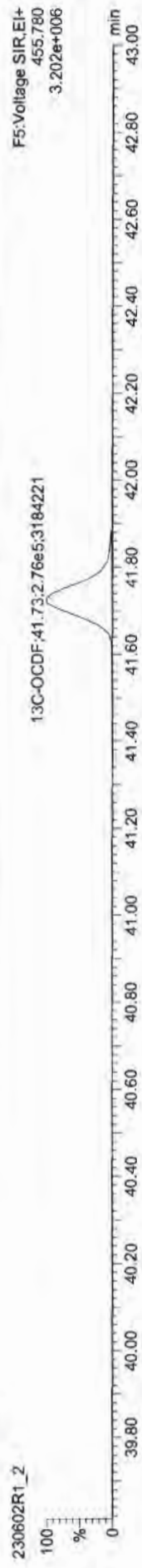
DPE4



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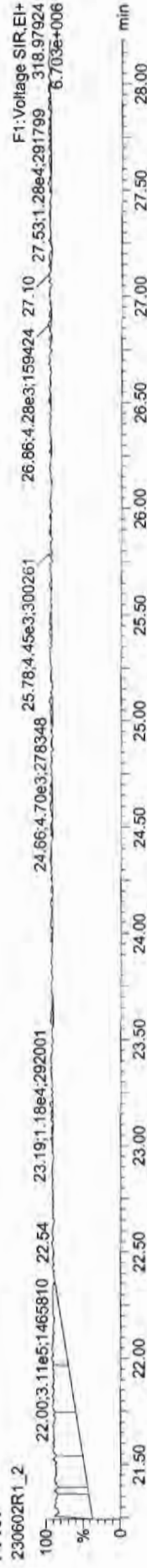


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PFK1



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Printed: Saturday, June 03, 2023 9:38:59 AM Pacific Daylight Time

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2,3,7,8-TCDD

230602R1_3

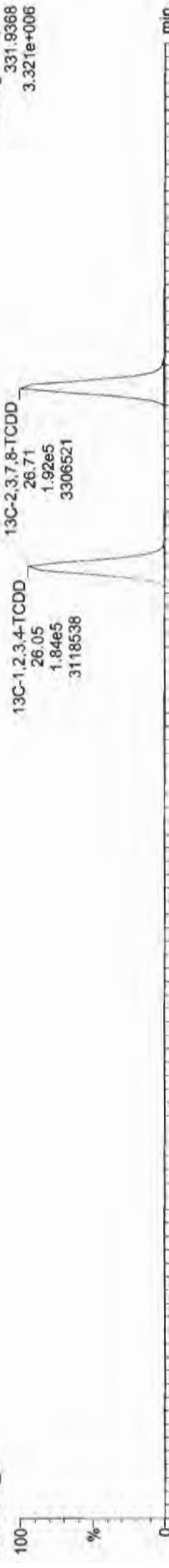


230602R1_3



13C-2,3,7,8-TCDD

230602R1_3



230602R1_3



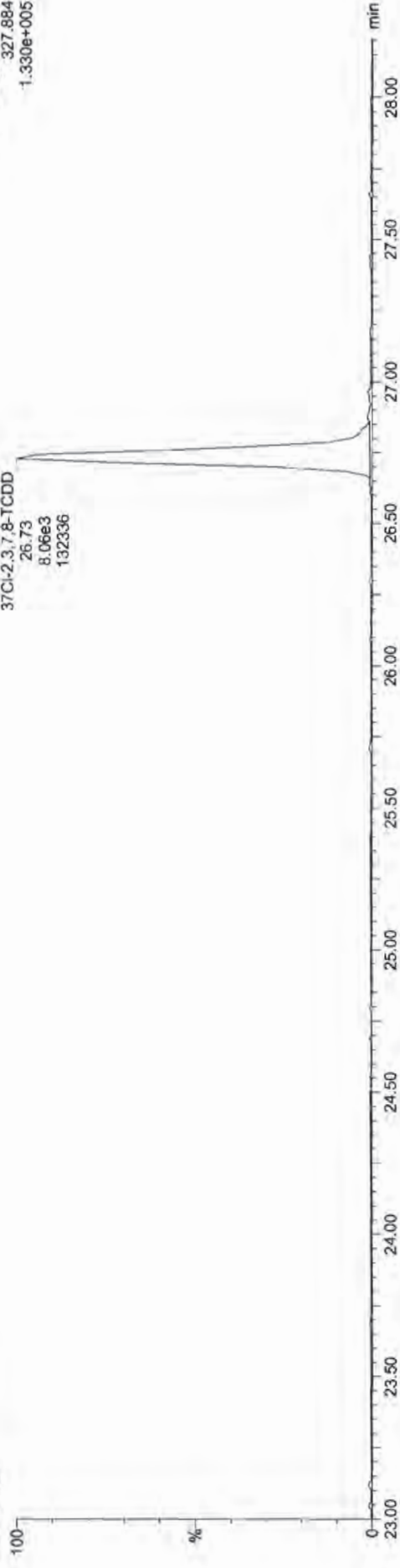
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Printed: Saturday, June 03, 2023 9:38:59 AM Pacific Daylight Time

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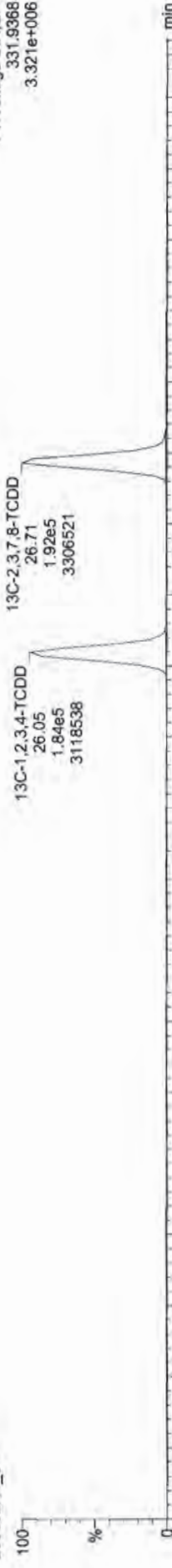
37Cl-2,3,7,8-TCDD
230602R1_3

37Cl-2,3,7,8-TCDD
26.73
8.06e3
132336
F1: Voltage SIR.EI+
327.884
1.330e+005



13C-1,2,3,4-TCDD
230602R1_3

13C-1,2,3,4-TCDD
26.05
1.84e5
3118538
13C-2,3,7,8-TCDD
26.71
1.92e5
3306521
F1: Voltage SIR.EI+
331.9368
3.321e+006



230602R1_3

13C-1,2,3,4-TCDD
26.05
2.37e5
4130528
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Last Altered: Saturday, June 03, 2023 9:38:17 AM Pacific Daylight Time
Printed: Saturday, June 03, 2023 9:38:59 AM Pacific Daylight Time

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1,2,3,7,8-PeCDD

230602R1_3



230602R1_3



13C-1,2,3,7,8-PeCDD

230602R1_3



230602R1_3



Dataset: Untitled

Last Altered: Saturday, June 03, 2023 9:38:17 AM Pacific Daylight Time
Printed: Saturday, June 03, 2023 9:38:59 AM Pacific Daylight Time

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1,2,3,4,7,8-HxCDD

230602R1_3

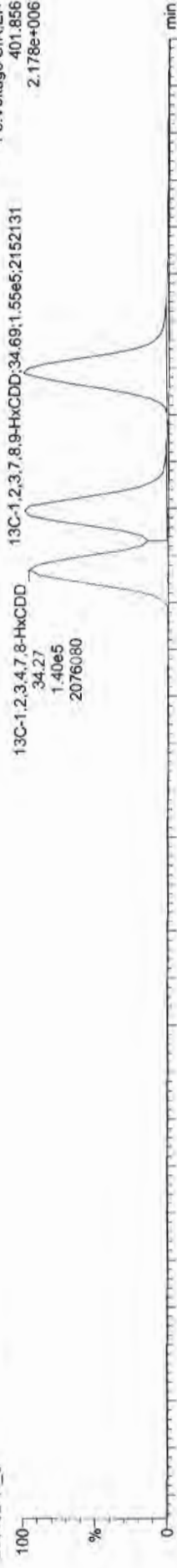


230602R1_3



13C-1,2,3,4,7,8-HxCDD

230602R1_3



230602R1_3



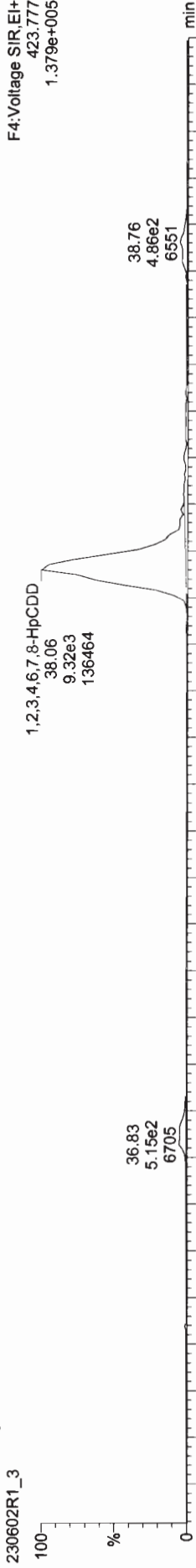
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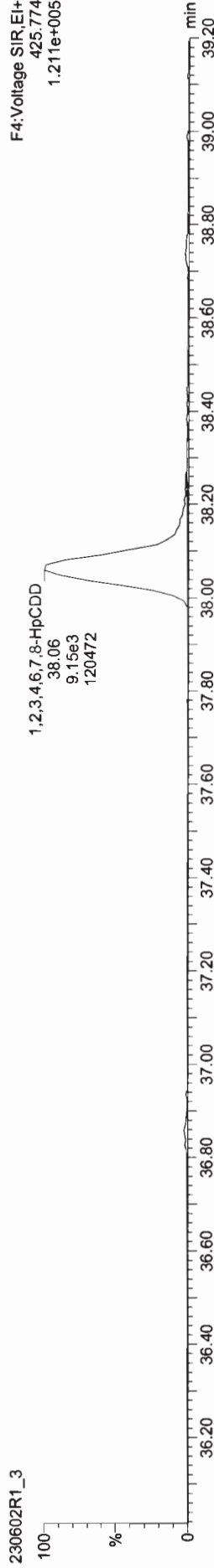
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1,2,3,4,6,7,8-HpCDD

230602R1_3

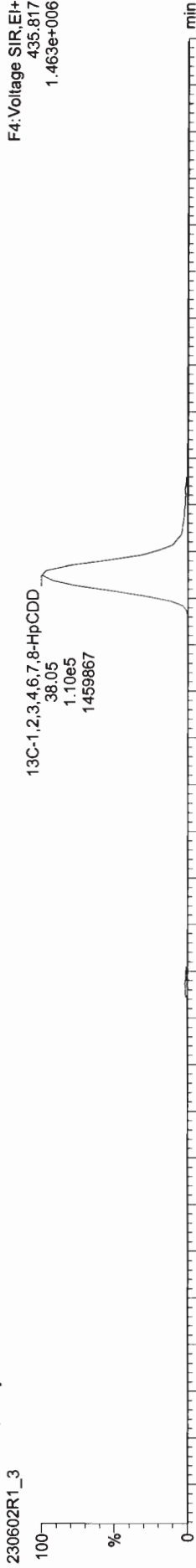


230602R1_3

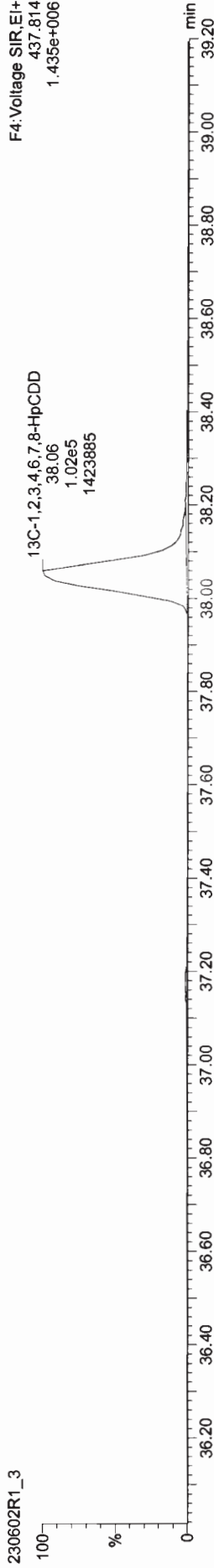


13C-1,2,3,4,6,7,8-HpCDD

230602R1_3



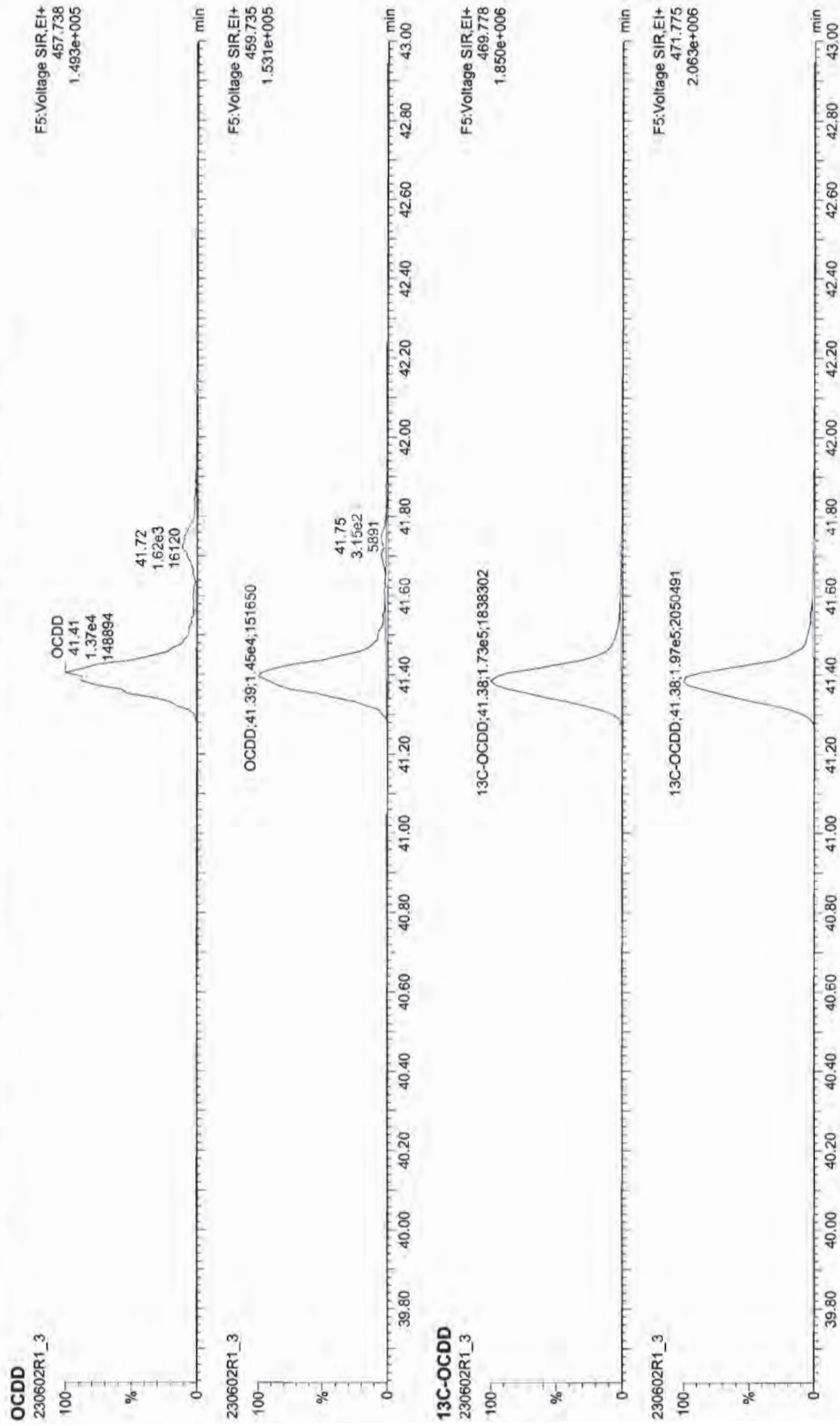
230602R1_3



Dataset: Untitled

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Last Altered: Saturday, June 03, 2023 9:38:17 AM Pacific Daylight Time
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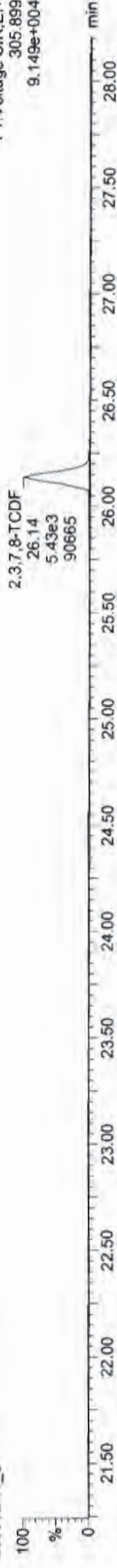
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2,3,7,8-TCDF

230602R1_3

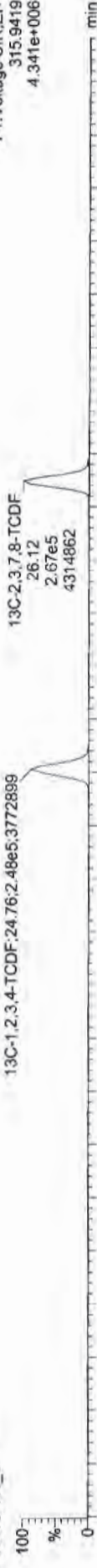


230602R1_3

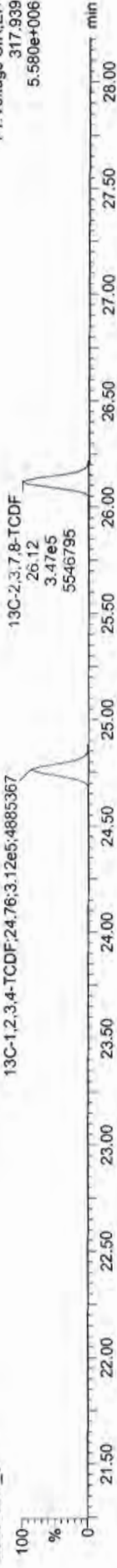


13C-2,3,7,8-TCDF

230602R1_3

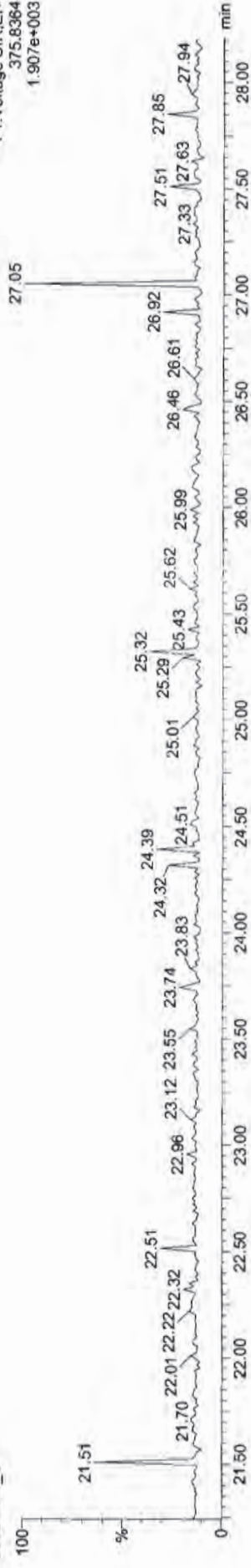


230602R1_3



DPE1

230602R1_3

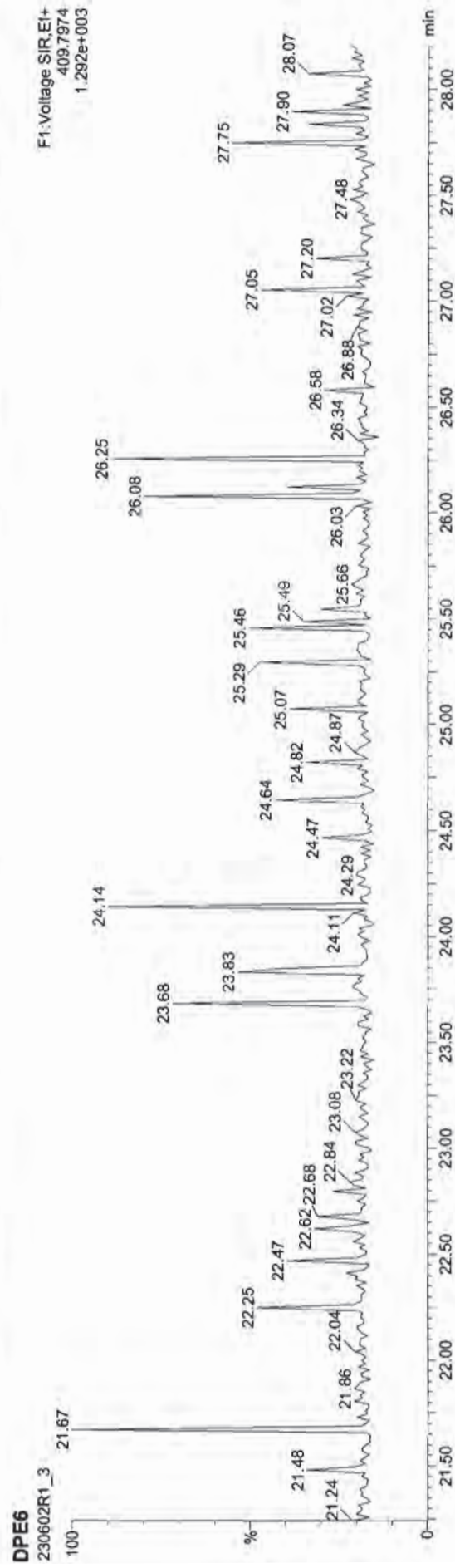
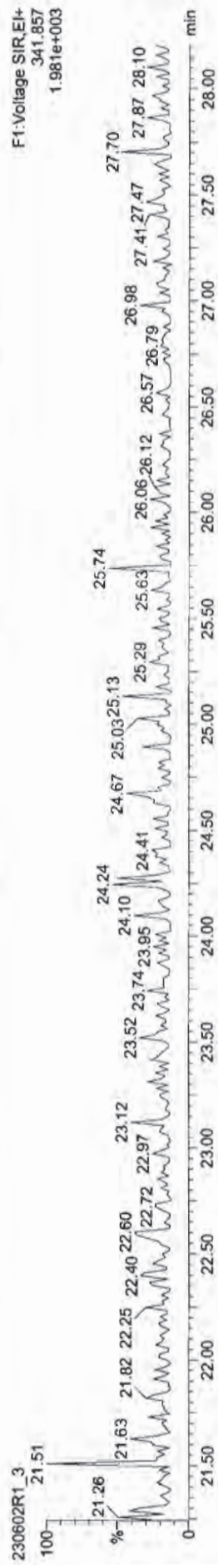
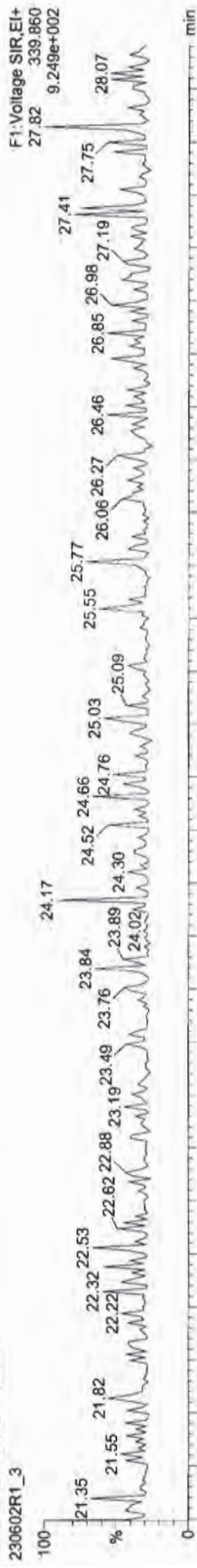


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Last Altered: Saturday, June 03, 2023 9:38:17 AM Pacific Daylight Time
Printed: Saturday, June 03, 2023 9:38:59 AM Pacific Daylight Time

Name: 230602R1_3, Date: 02-Jun-2023, Time: 12:18:38, ID: ST230602R1_3 1613 CS2 21G0804, Description: 1613 CS2 21G0804

1st Func. Penta-Furans



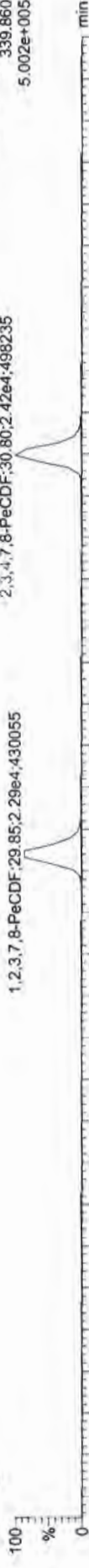
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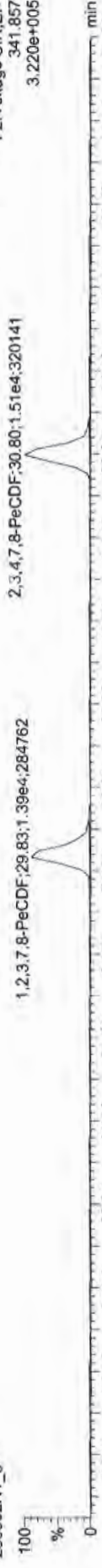
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1,2,3,7,8-PeCDF

230602R1_3

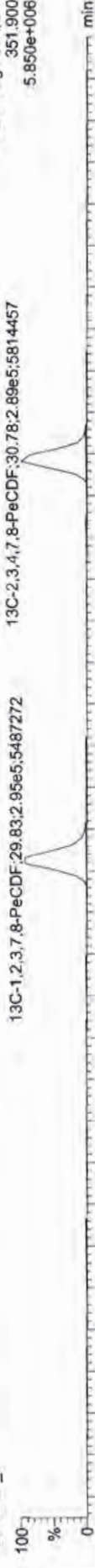


230602R1_3

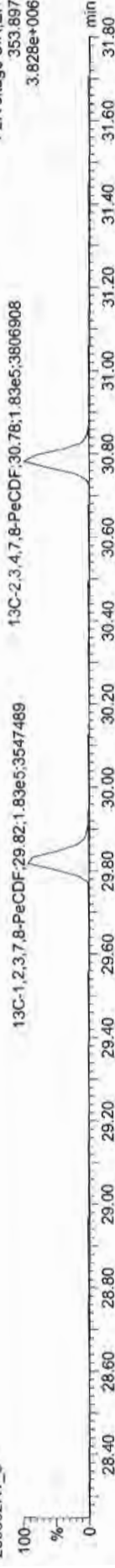


13C-1,2,3,7,8-PeCDF

230602R1_3



230602R1_3



DPE2

230602R1_3



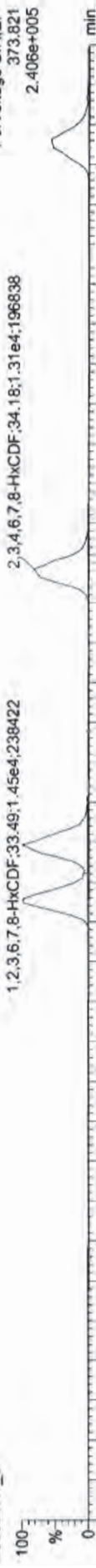
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1,2,3,4,7,8-HxCDF

230602R1_3



230602R1_3

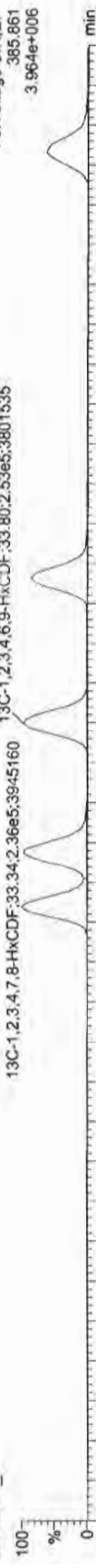


13C-1,2,3,4,7,8-HxCDF

230602R1_3

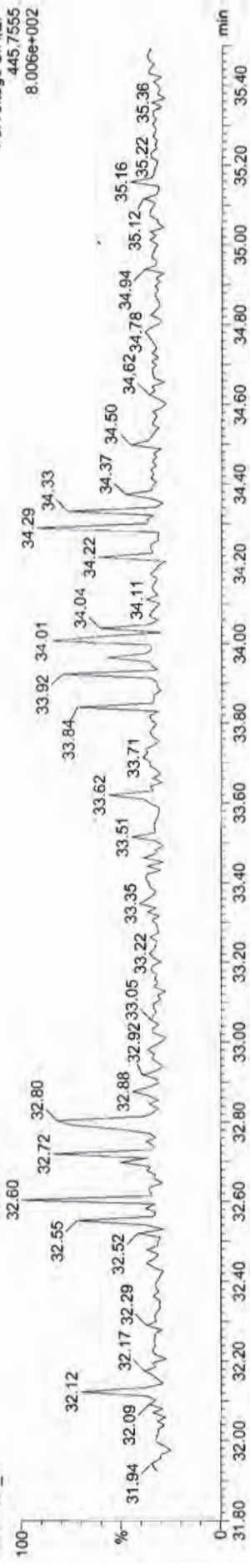


230602R1_3



DPE3

230602R1_3



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Printed: Saturday, June 03, 2023 9:38:59 AM Pacific Daylight Time

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1,2,3,4,6,7,8-HpCDF



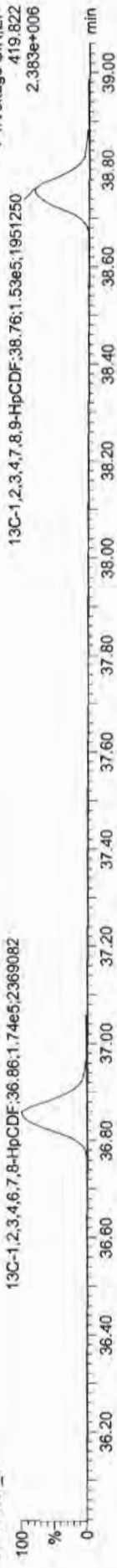
13C-1,2,3,4,6,7,8-HpCDF



13C-1,2,3,4,6,7,8-HpCDF



13C-1,2,3,4,6,7,8-HpCDF



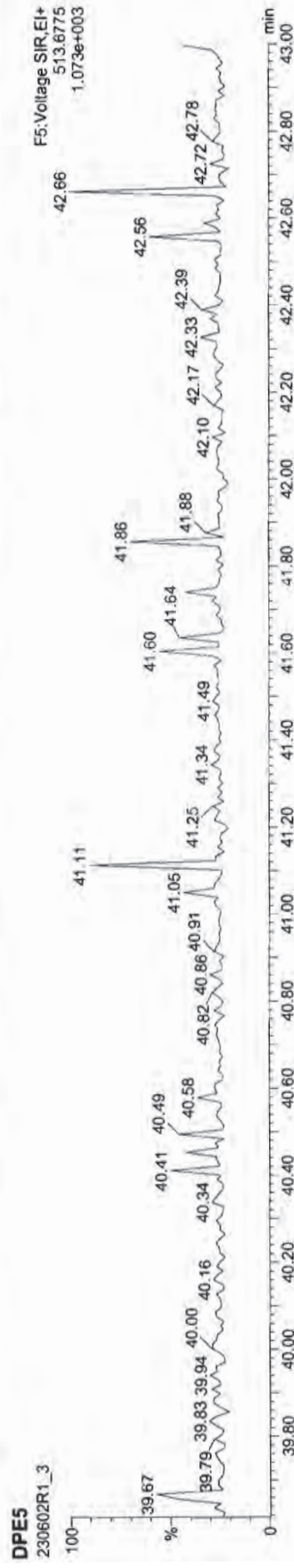
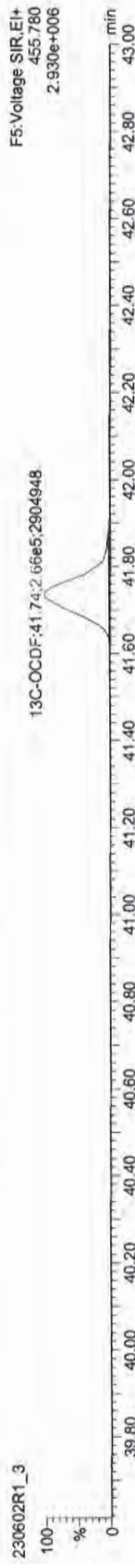
DPE4



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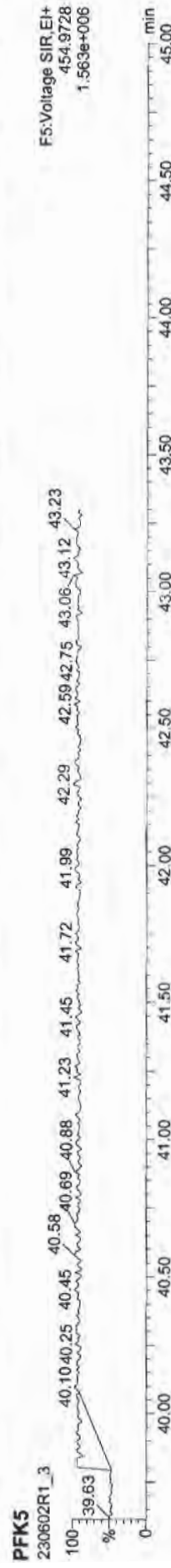
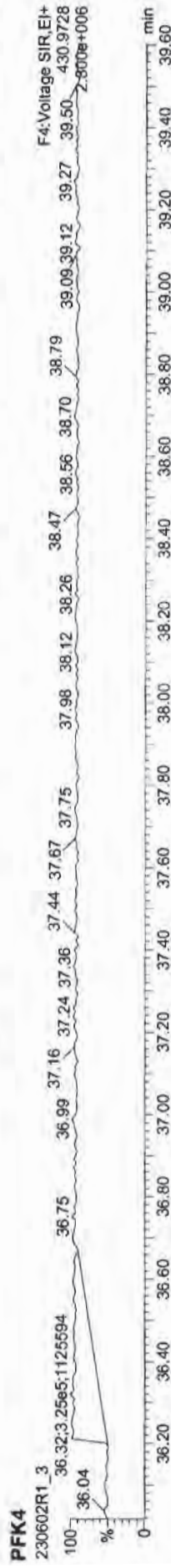
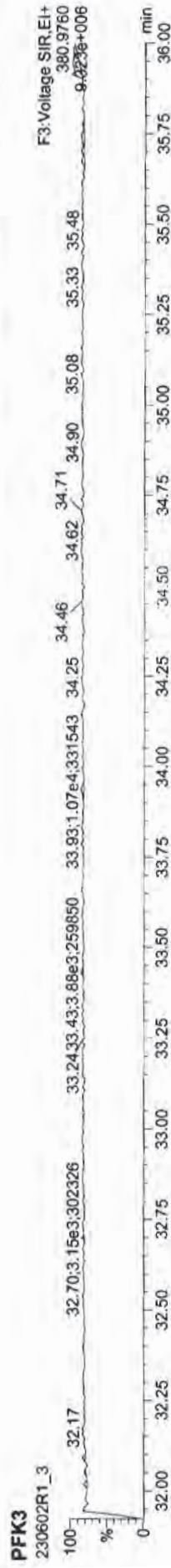
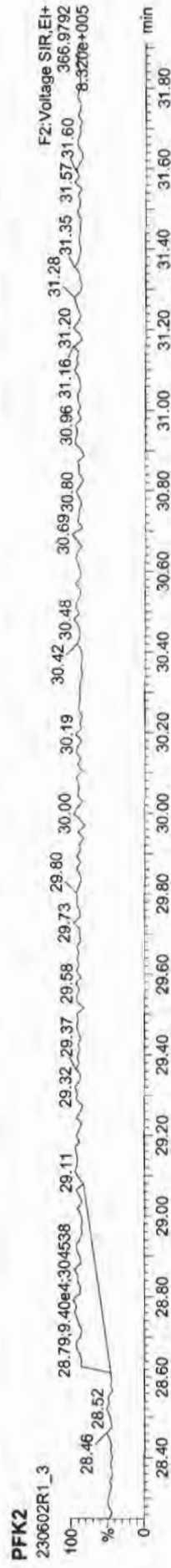
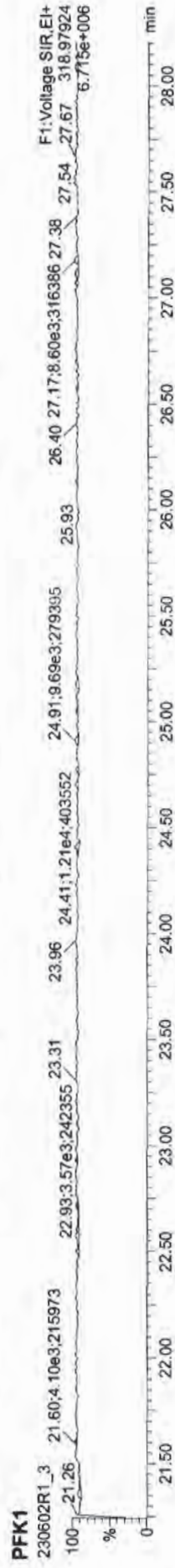
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Untitled

Saturday, June 03, 2023 9:38:17 AM Pacific Daylight Time

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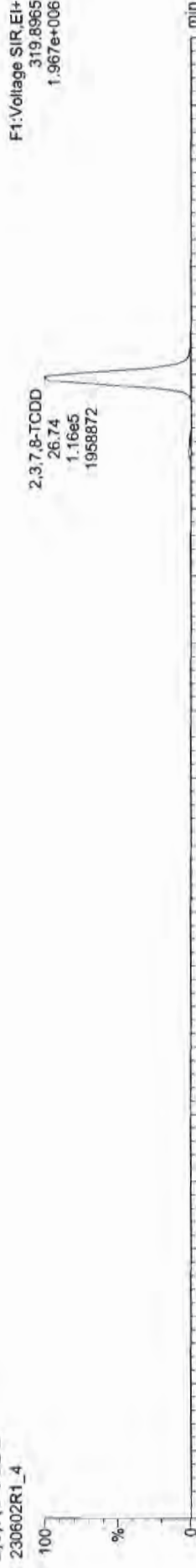
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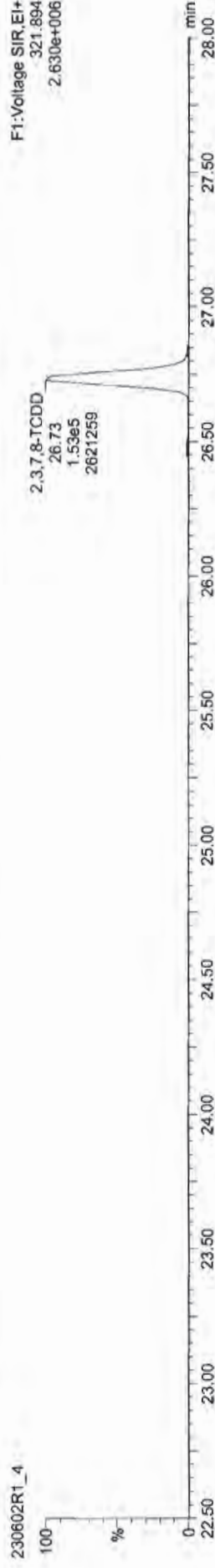
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2,3,7,8-TCDD

230602R1_4

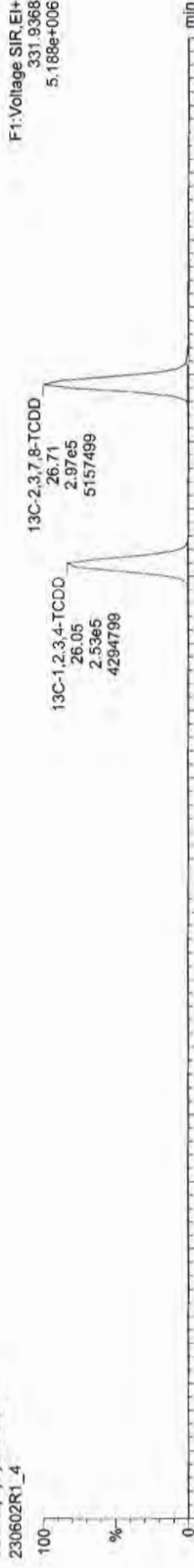


230602R1_4

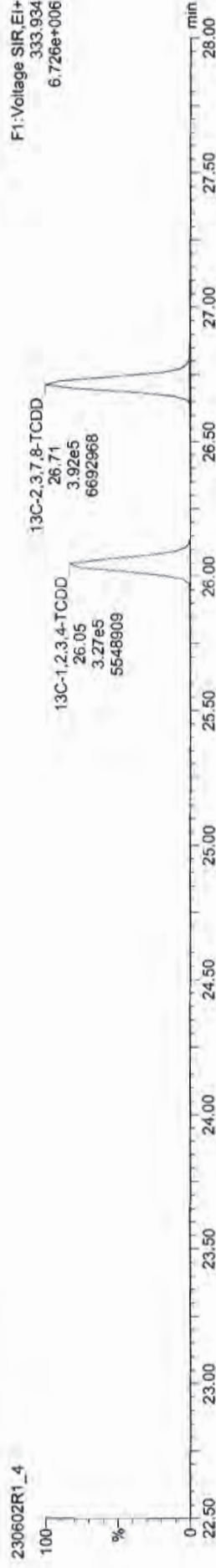


13C-2,3,7,8-TCDD

230602R1_4



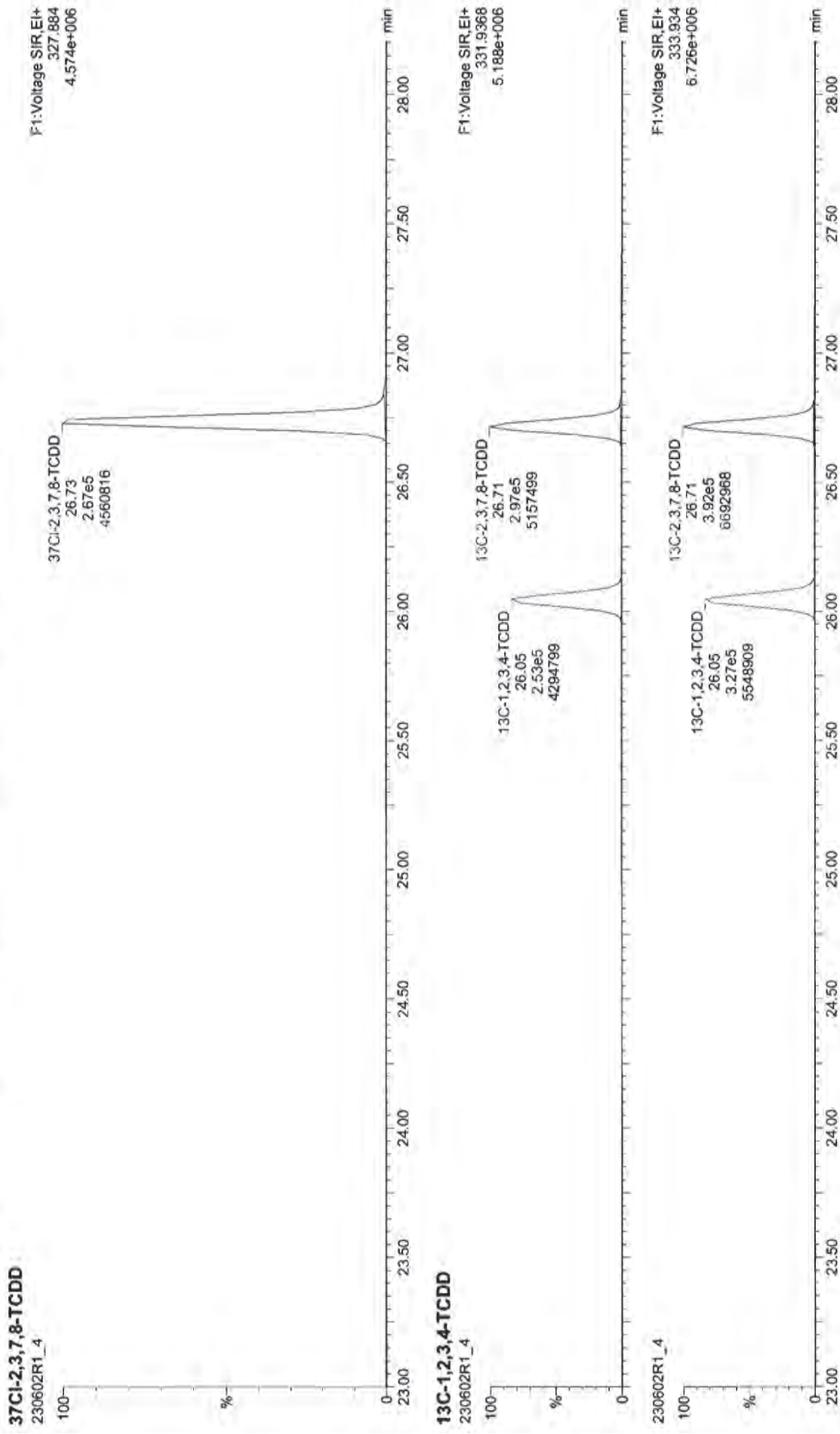
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Dataset: Untitled

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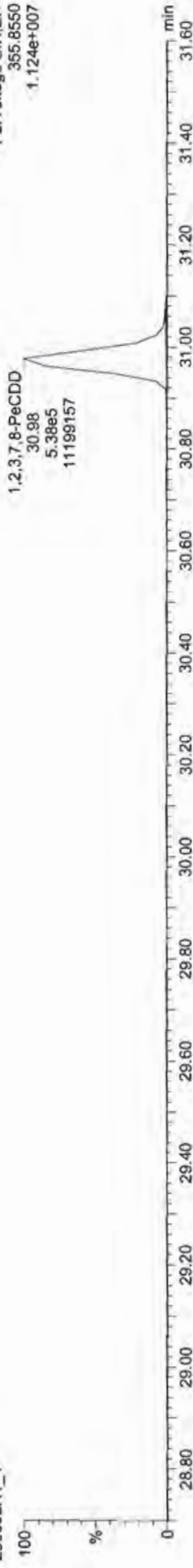
1,2,3,7,8-PeCDD

230602R1_4



F2:Voltage SIR,EI+
353.8576
7.169e+006

230602R1_4



F2:Voltage SIR,EI+
355.8550
1.124e+007

13C-1,2,3,7,8-PeCDD

230602R1_4



F2:Voltage SIR,EI+
365.8978
4.303e+006

230602R1_4

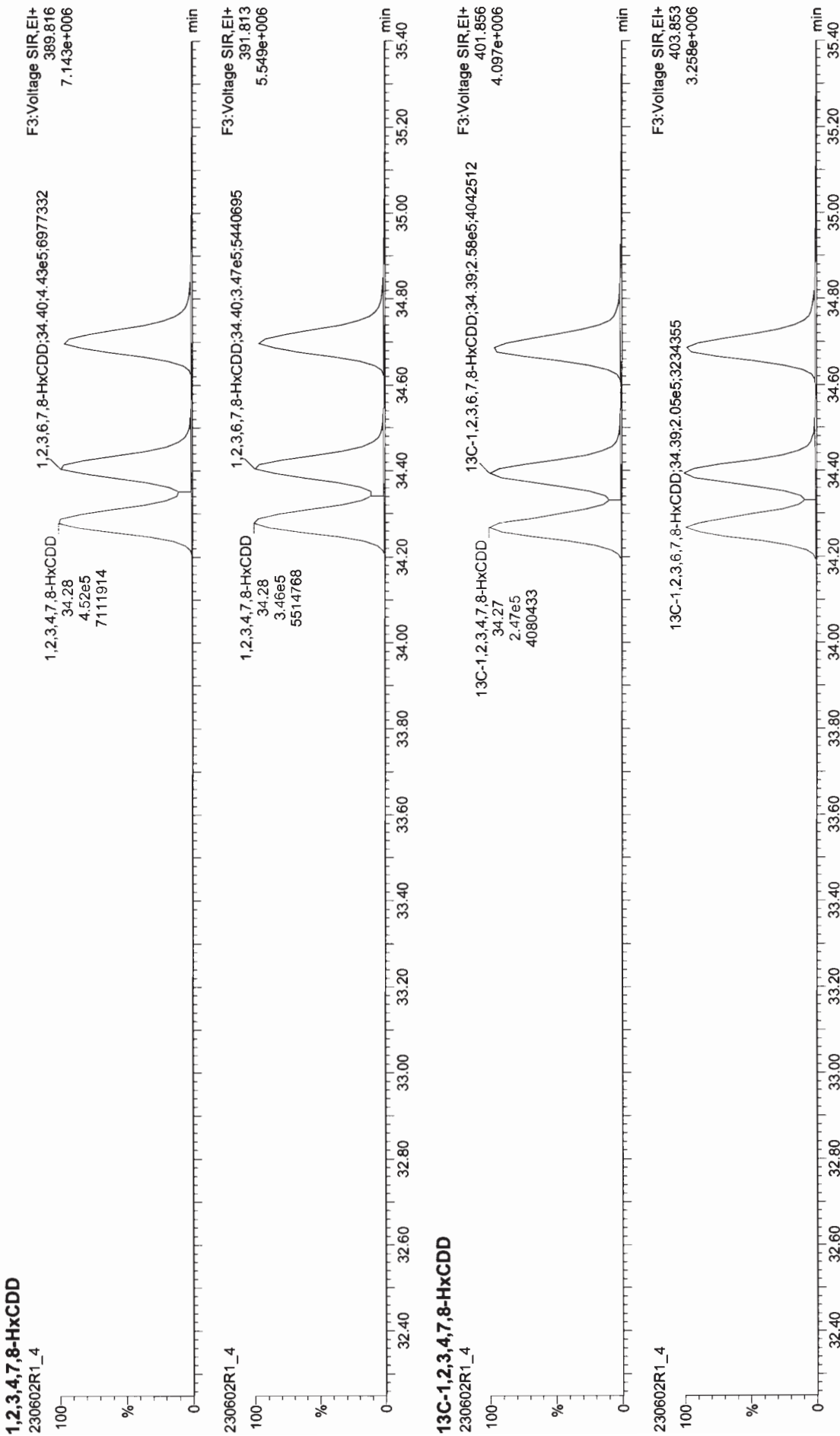


F2:Voltage SIR,EI+
367.895
6.948e+006

Dataset: Untitled

Last Altered: Saturday, June 03, 2023 9:38:17 AM Pacific Daylight Time
Printed: Saturday, June 03, 2023 9:38:59 AM Pacific Daylight Time

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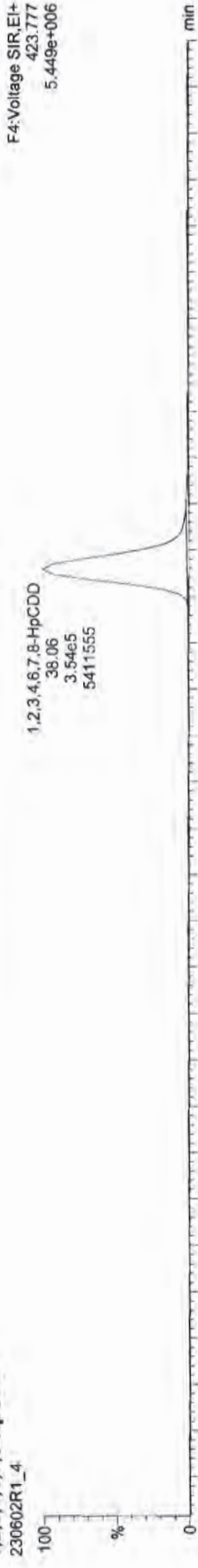


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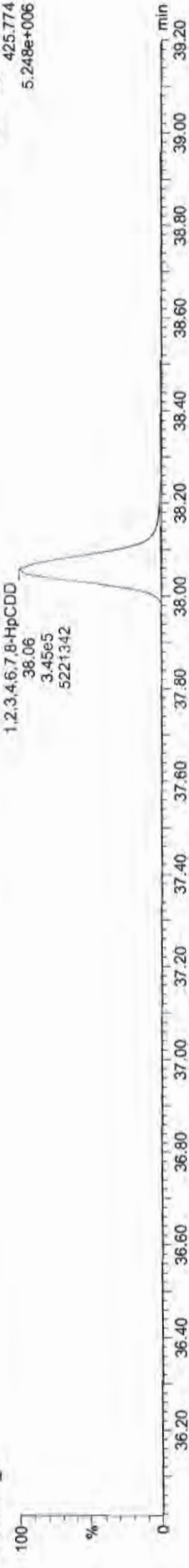
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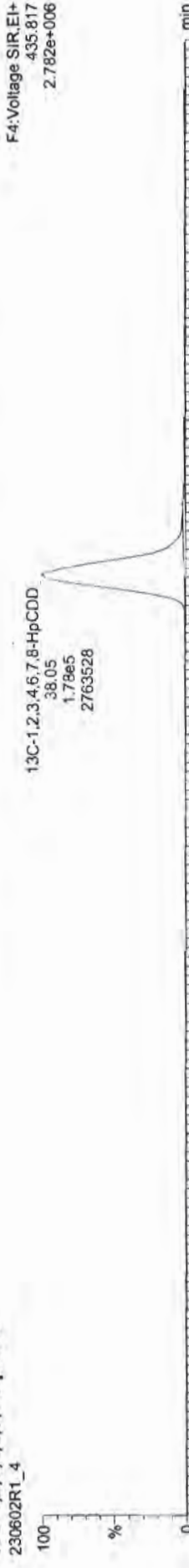
1,2,3,4,6,7,8-HpCDD



230602R1_4



13C-1,2,3,4,6,7,8-HpCDD



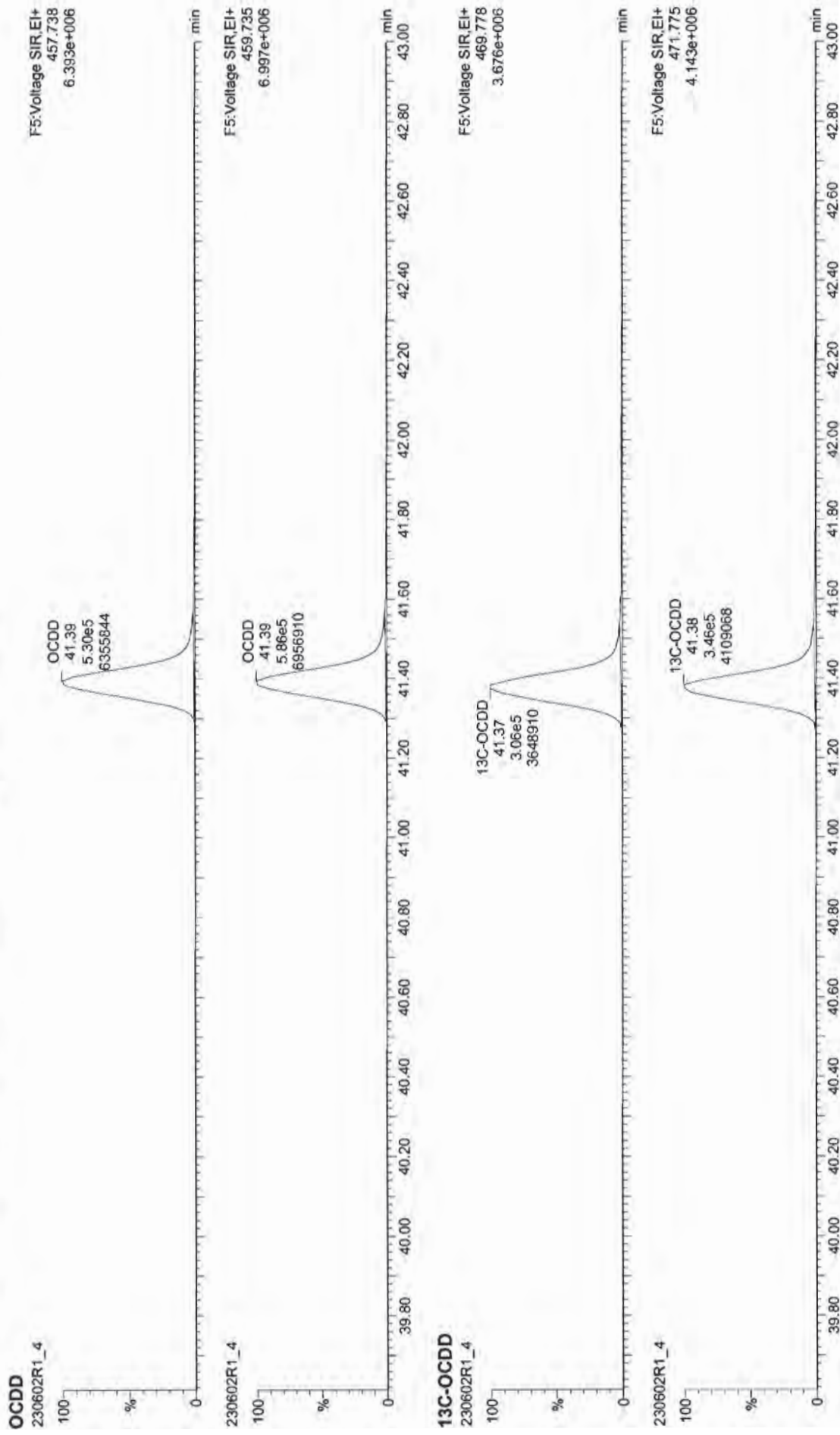
230602R1_4



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Name: 230602R1_4, Date: 02-Jun-2023, Time: 13:03:44, ID: ST230602R1_4 1613 CS4 23E1004, Description: 1613 CS4 23E1004



Enthalpy Analytical EDH VG-12

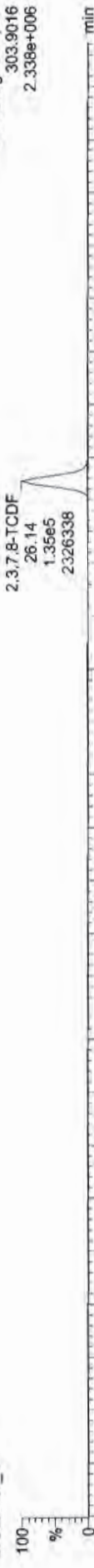
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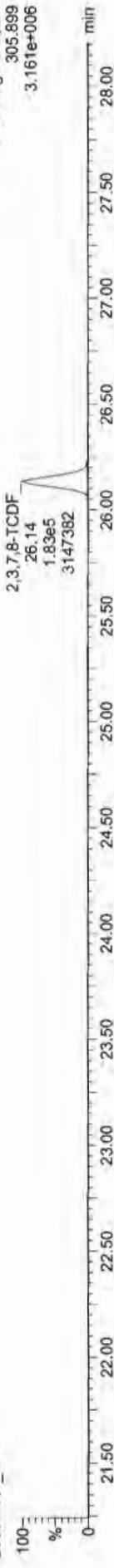
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2,3,7,8-TCDF

230602R1_4



230602R1_4

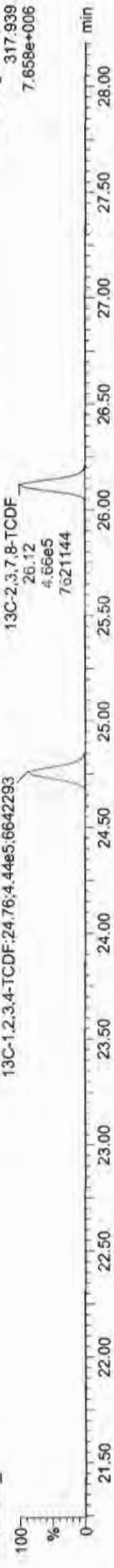


13C-2,3,7,8-TCDF

230602R1_4

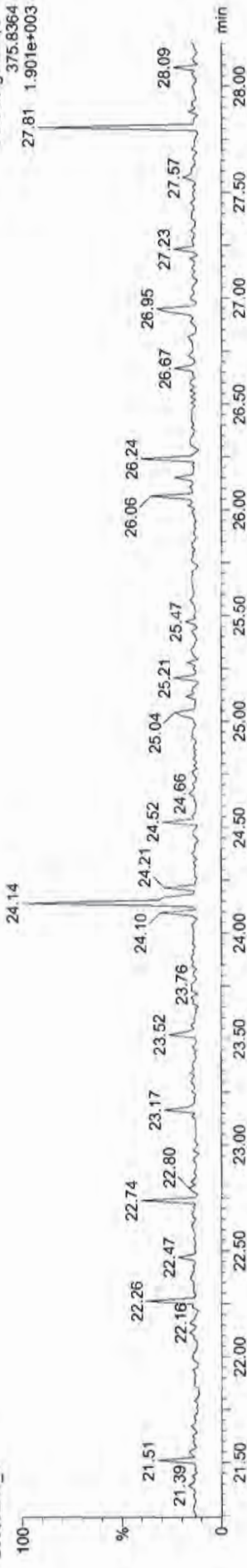


230602R1_4



DPE1

230602R1_4



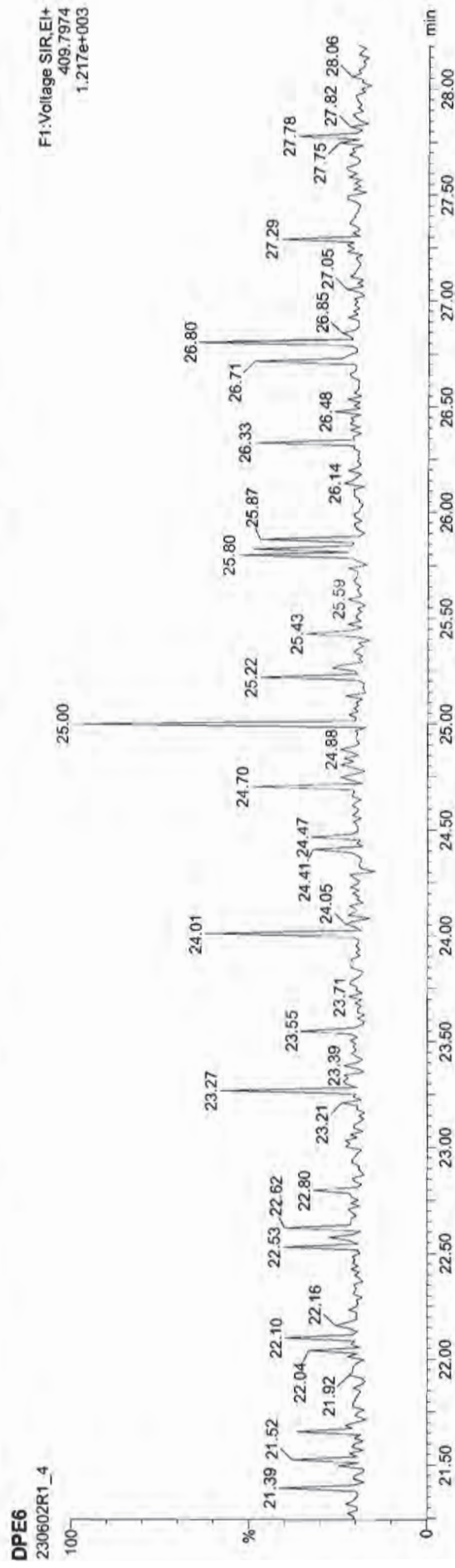
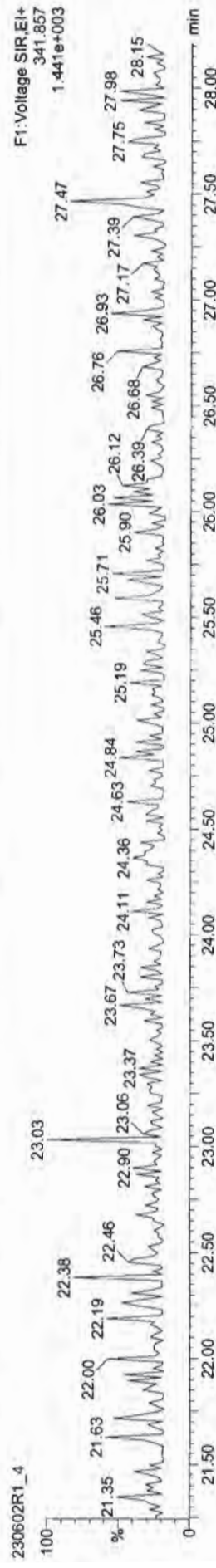
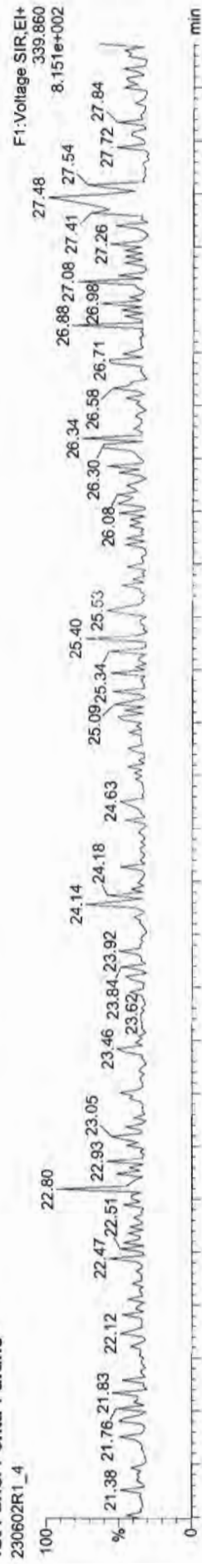
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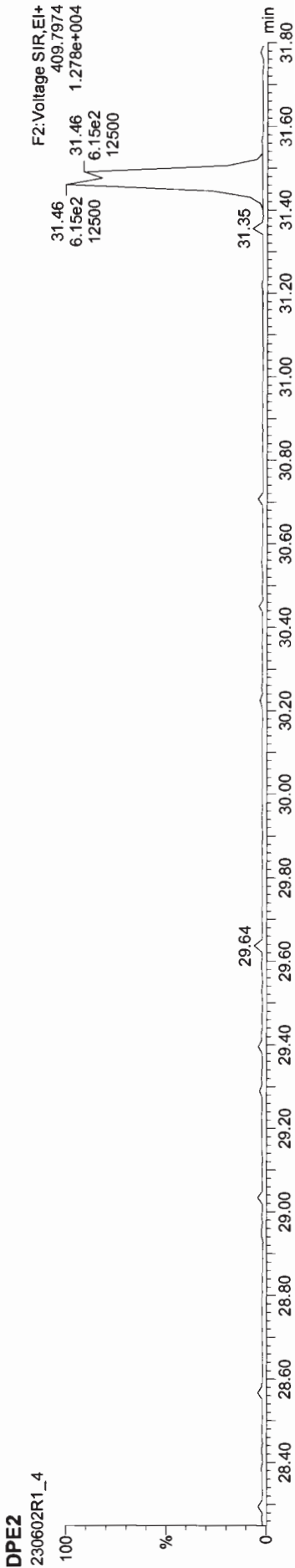
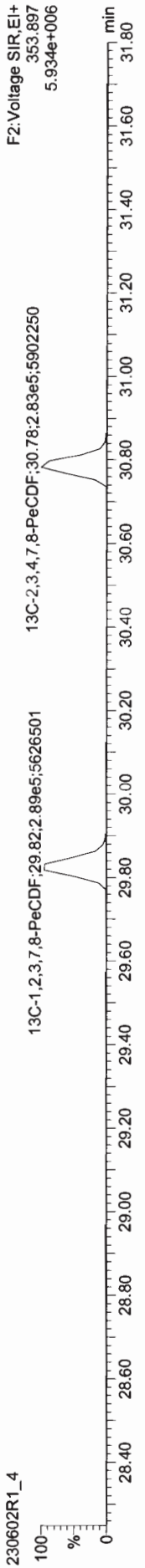
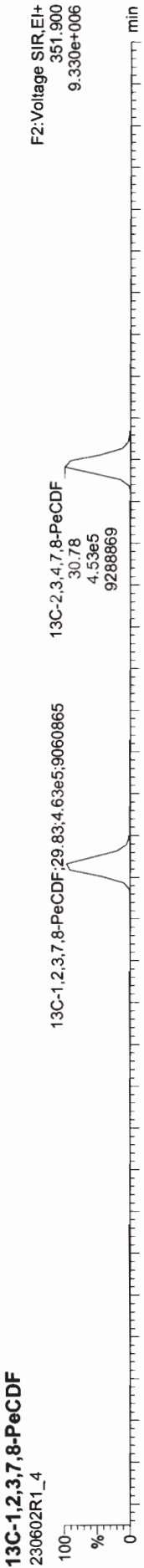
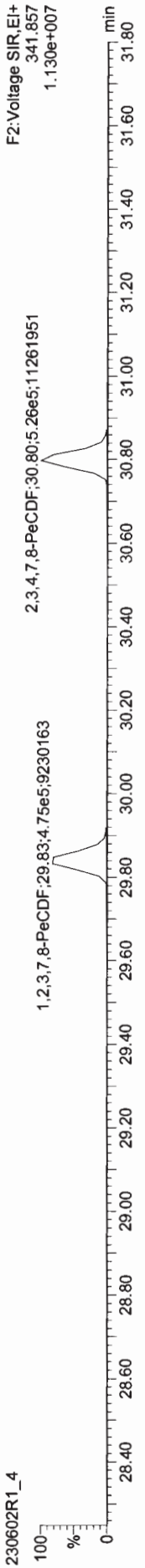
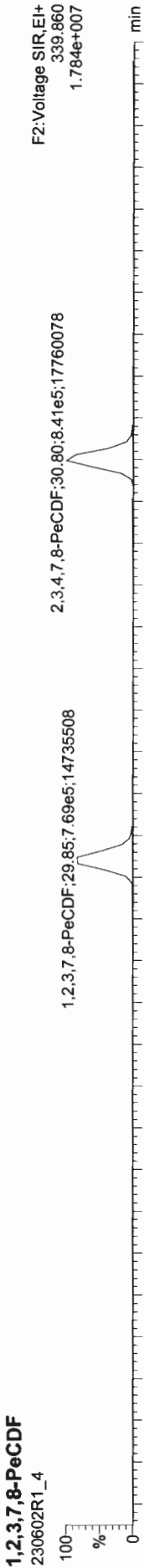
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1st Func. Penta-Furans



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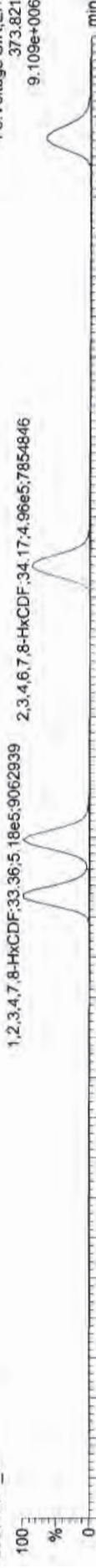
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Last Altered: Saturday, June 03, 2023 9:38:17 AM Pacific Daylight Time
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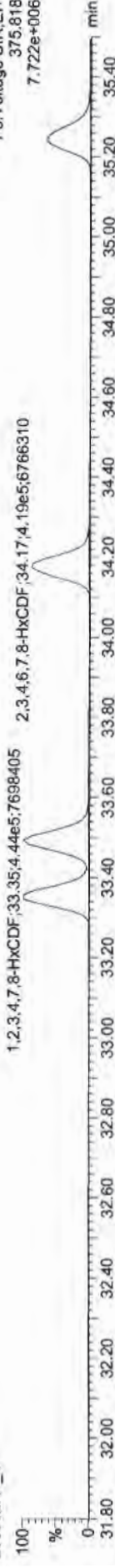
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1,2,3,4,7,8-HxCDF

230602R1_4

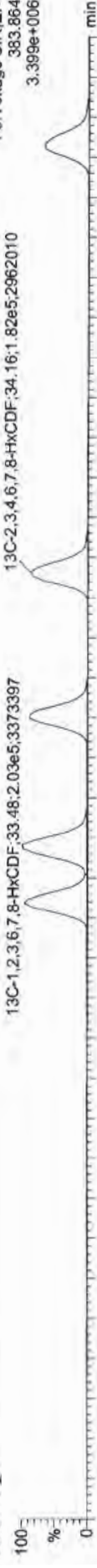


230602R1_4

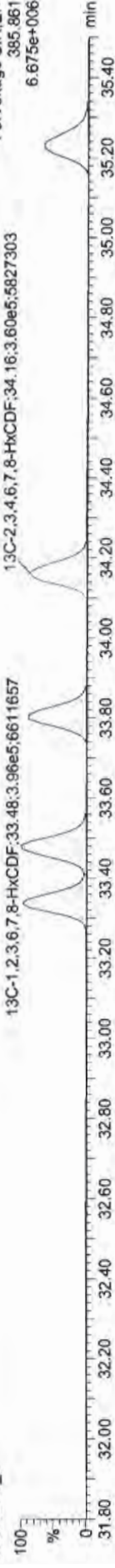


13C-1,2,3,4,7,8-HxCDF

230602R1_4

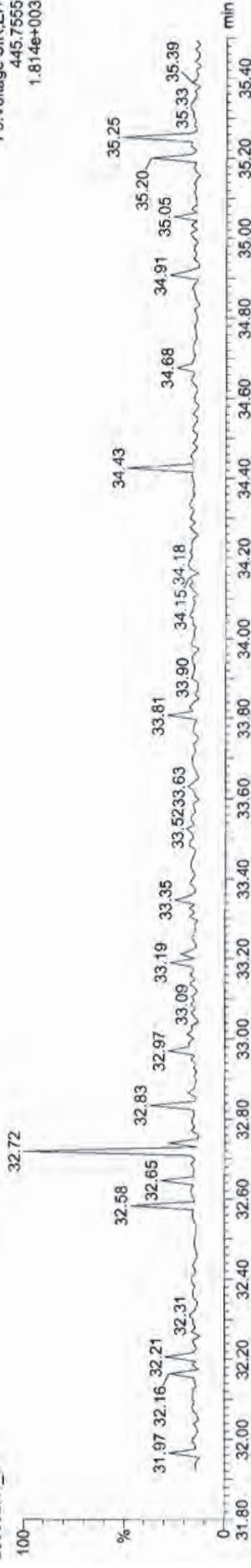


230602R1_4



DPE3

230602R1_4



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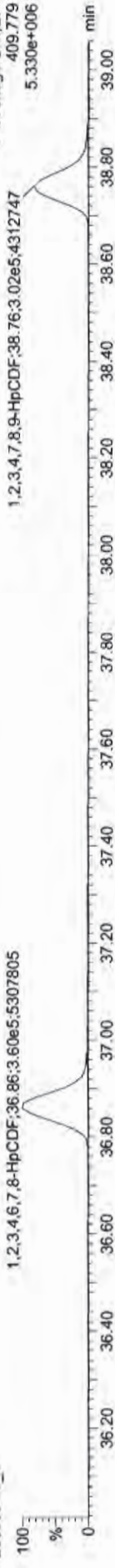
Last Altered: Saturday, June 03, 2023 9:38:17 AM Pacific Daylight Time
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Name: 230602R1_4, Date: 02-Jun-2023, Time: 13:03:44, ID: ST230602R1_4 1613 CS4 23E1004, Description: 1613 CS4 23E1004

1,2,3,4,6,7,8-HpCDF



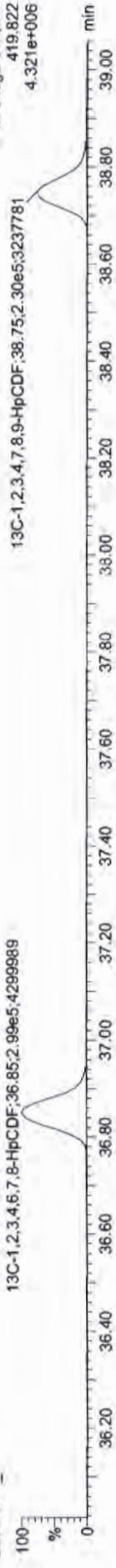
13C-1,2,3,4,6,7,8-HpCDF



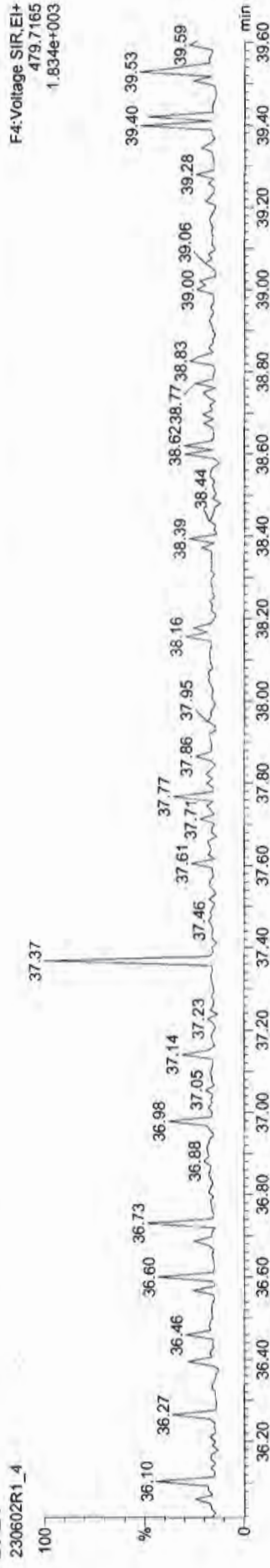
13C-1,2,3,4,6,7,8-HpCDF



13C-1,2,3,4,6,7,8-HpCDF



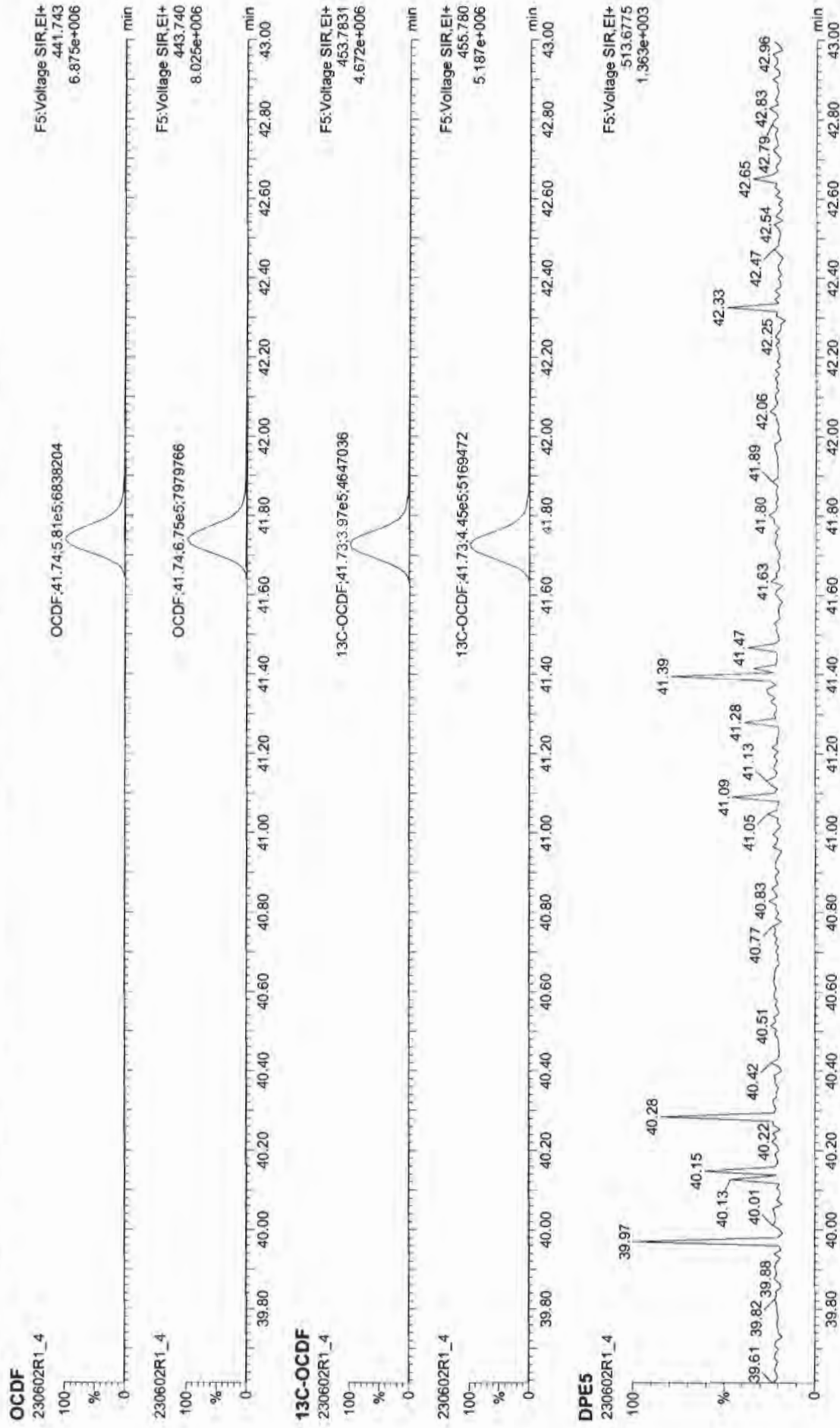
DPE4



Dataset: Untitled

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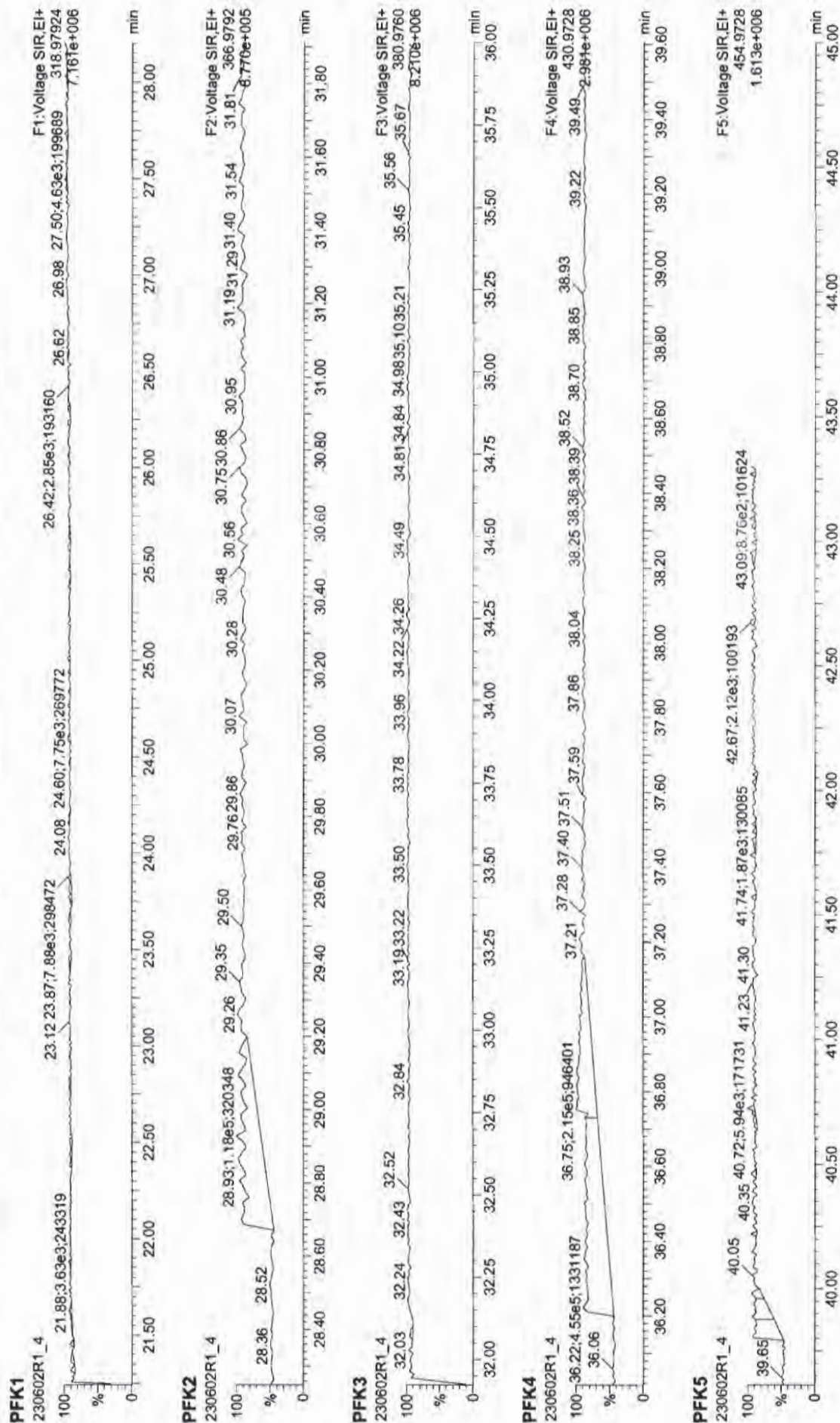
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Last Altered: Saturday, June 03, 2023 9:38:17 AM Pacific Daylight Time
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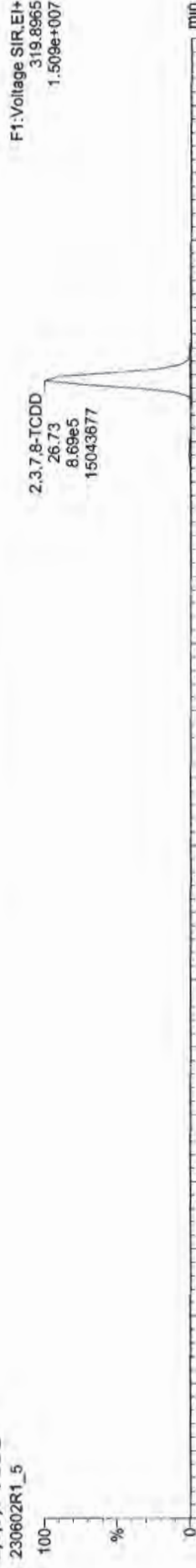
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Last Altered: Saturday, June 03, 2023 9:38:17 AM Pacific Daylight Time
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Name: 230602R1_5, Date: 02-Jun-2023, Time: 13:48:53, ID: ST230602R1_5 1613 CS5 23E1005, Description: 1613 CS5 23E1005

2,3,7,8-TCDD

230602R1_5



F1:Voltage SIR,EI+
319.8965
1.509e+007

230602R1_5



F1:Voltage SIR,EI+
321.894
1.957e+007

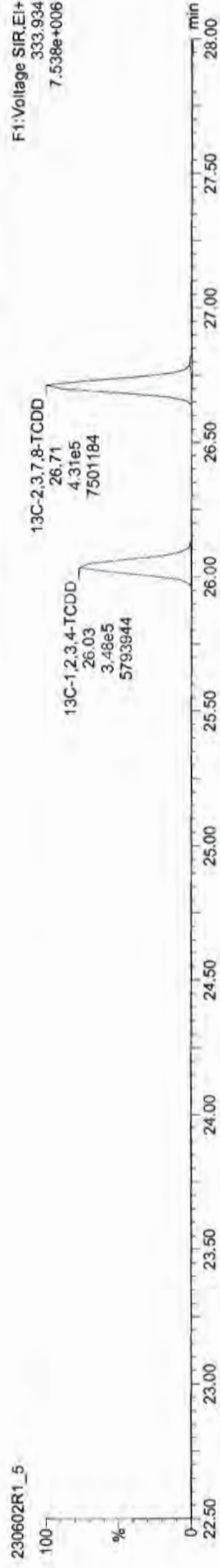
13C-2,3,7,8-TCDD

230602R1_5



F1:Voltage SIR,EI+
331.9368
5.875e+006

230602R1_5



F1:Voltage SIR,EI+
333.934
7.538e+006

Dataset: Untitled

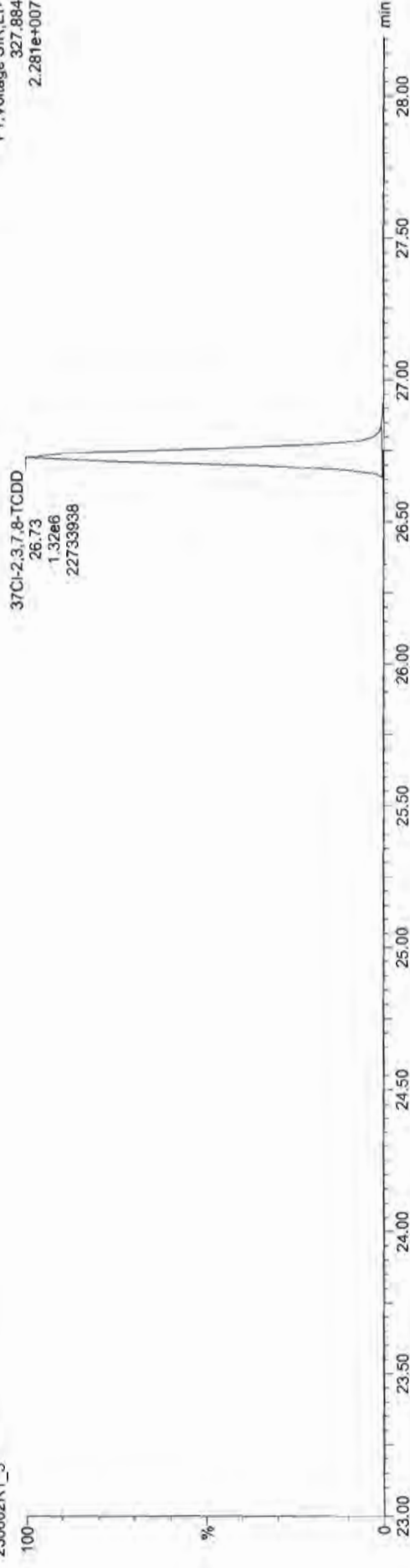
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37Cl-2,3,7,8-TCDD

230602R1_5

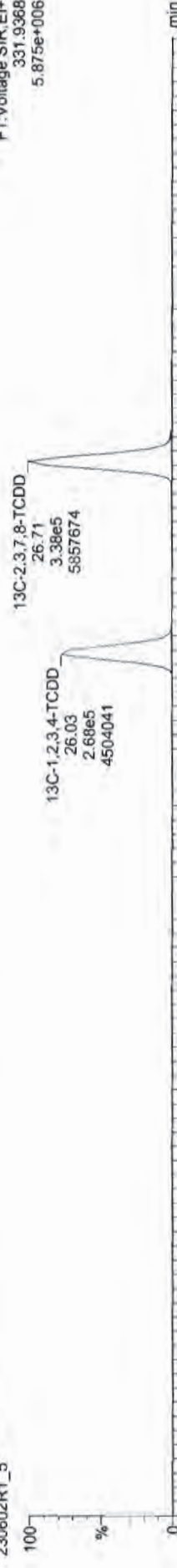
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 327.894
 2.281e+007



13C-1,2,3,4-TCDD

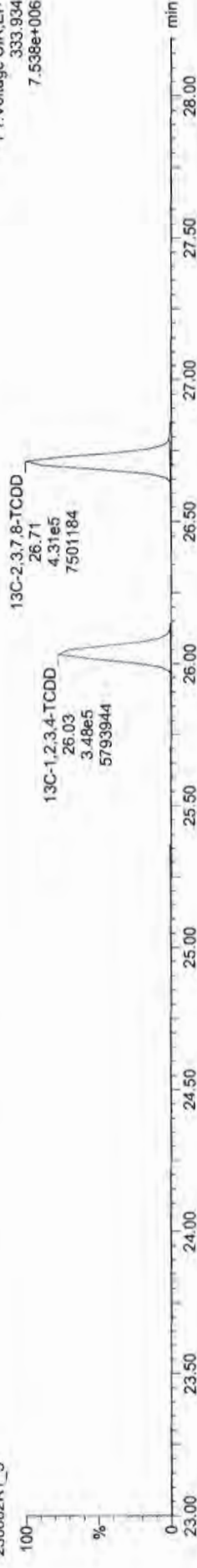
230602R1_5

F1: Voltage SIR, EI+
 331.9388
 5.875e+006



230602R1_5

F1: Voltage SIR, EI+
 333.934
 7.538e+006



Dataset: Untitled

Last Altered: Saturday, June 03, 2023 9:38:17 AM Pacific Daylight Time
Printed: Saturday, June 03, 2023 9:38:59 AM Pacific Daylight Time

Name: 230602R1_5, Date: 02-Jun-2023, Time: 13:48:53, ID: ST230602R1_5 1613 CS5 23E1005, Description: 1613 CS5 23E1005

1,2,3,7,8-PeCDD

230602R1_5



F2: Voltage SIR, EI+
353.8576
5.489e+007

230602R1_5



F2: Voltage SIR, EI+
355.8550
8.640e+007

13C-1,2,3,7,8-PeCDD

230602R1_5



F2: Voltage SIR, EI+
365.8978
5.191e+006

230602R1_5



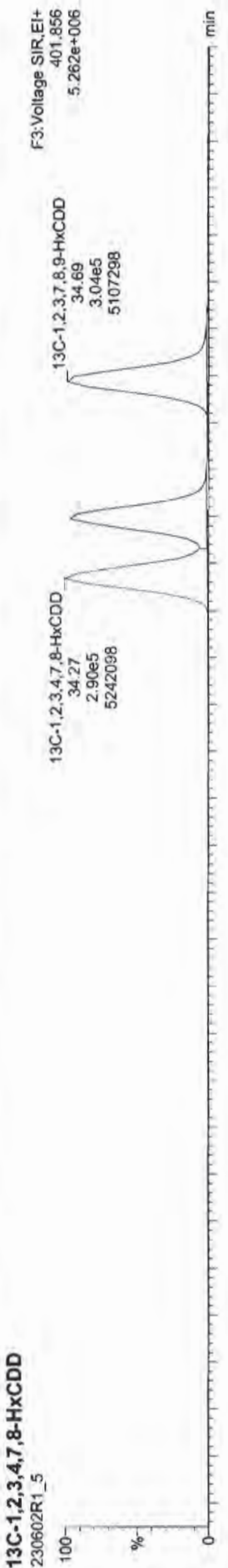
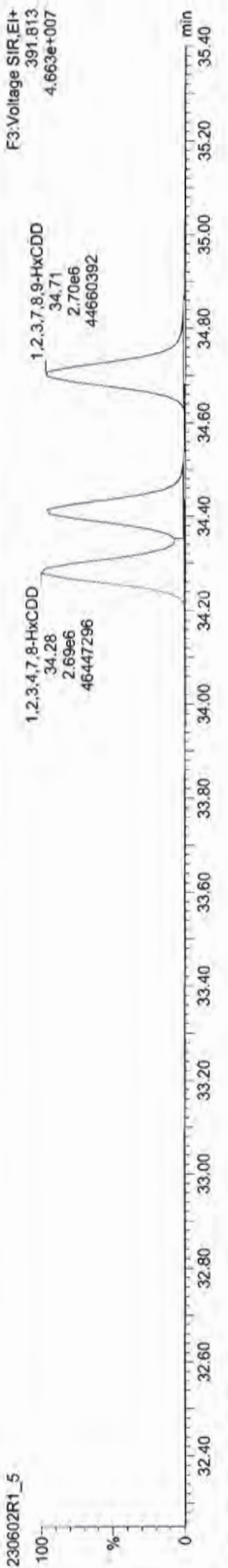
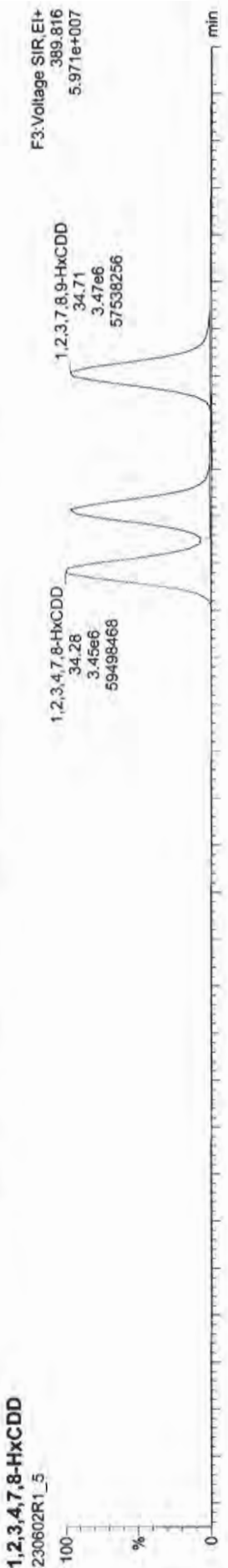
F2: Voltage SIR, EI+
367.895
7.986e+006

Dataset: Untitled

Last Altered: Saturday, June 03, 2023 9:38:17 AM Pacific Daylight Time

Printed: Saturday, June 03, 2023 9:38:59 AM Pacific Daylight Time

Name: 230602R1_5, Date: 02-Jun-2023, Time: 13:48:53, ID: ST230602R1_5 1613 CS5 23E1005, Description: 1613 CS5 23E1005



Dataset: Untitled

Last Altered: Saturday, June 03, 2023 9:38:17 AM Pacific Daylight Time
Printed: Saturday, June 03, 2023 9:38:59 AM Pacific Daylight Time

Name: 230602R1_5, Date: 02-Jun-2023, Time: 13:48:53, ID: ST230602R1_5 1613 CS5 23E1005, Description: 1613 CS5 23E1005

1,2,3,4,6,7,8-HpCDD

230602R1_5



230602R1_5

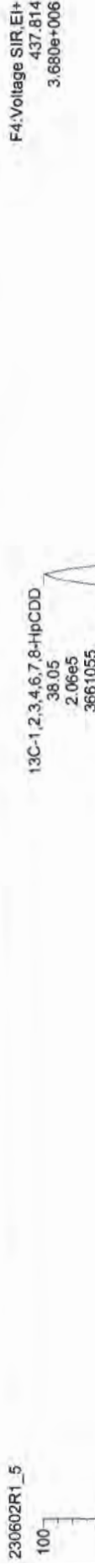


13C-1,2,3,4,6,7,8-HpCDD

230602R1_5



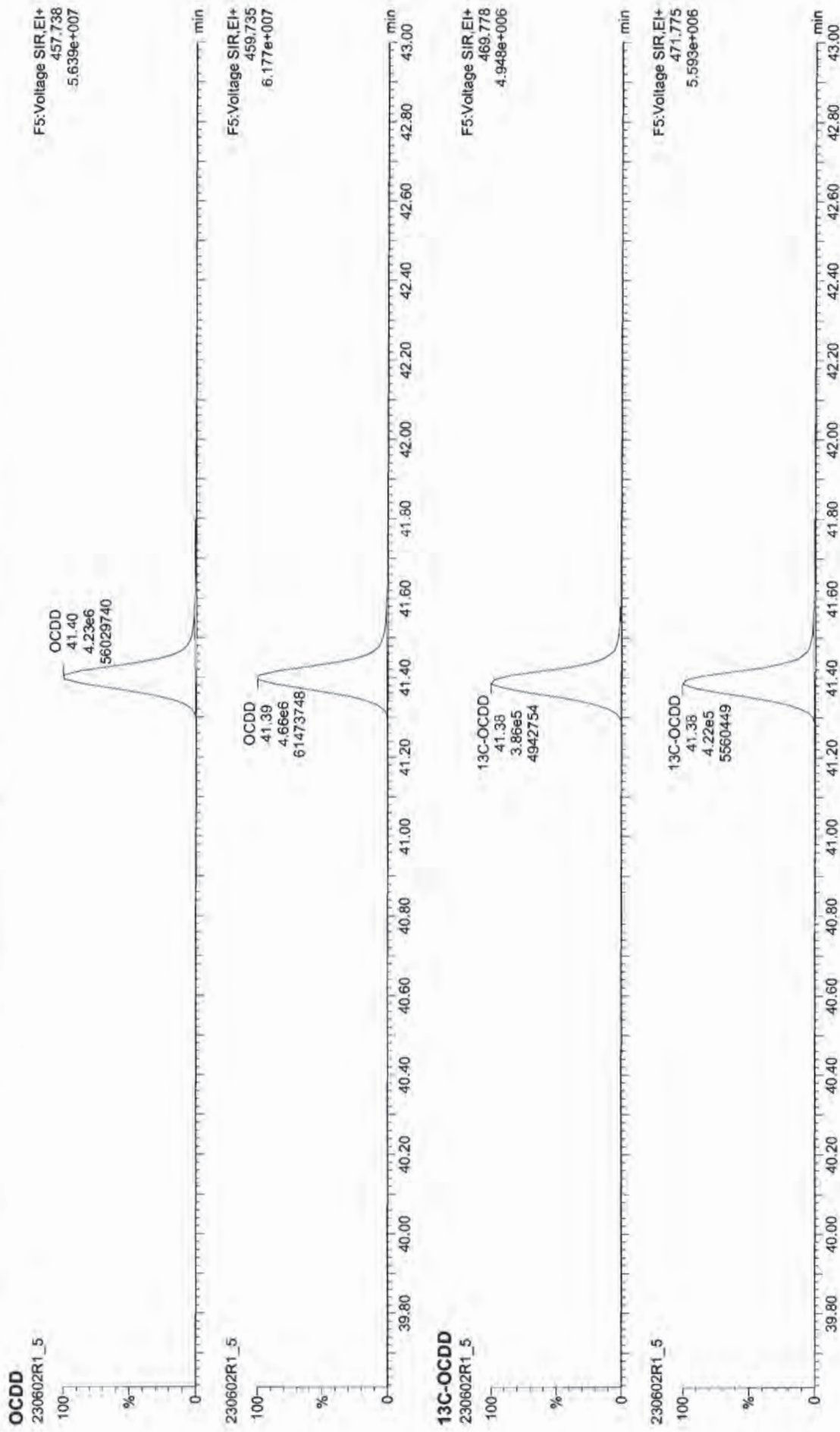
230602R1_5



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Name: 230602R1_5, Date: 02-Jun-2023, Time: 13:48:53, ID: ST230602R1_5 1613 CS5 23E1005, Description: 1613 CS5 23E1005



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Last Altered: Saturday, June 03, 2023 9:38:17 AM Pacific Daylight Time

Printed: Saturday, June 03, 2023 9:38:59 AM Pacific Daylight Time

Name: 230602R1_5, Date: 02-Jun-2023, Time: 13:48:53, ID: ST230602R1_5 1613 CS5 23E1005, Description: 1613 CS5 23E1005

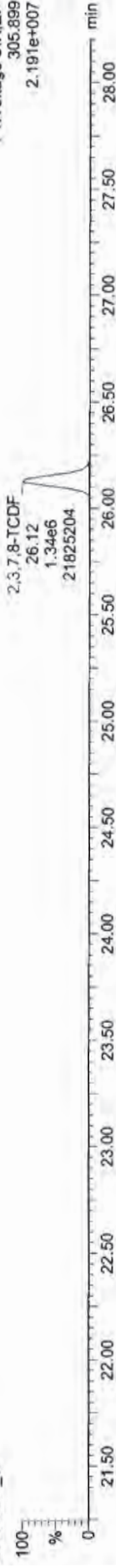
2,3,7,8-TCDF

230602R1_5



F1: Voltage SIR, EI+
303.9016
1.617e+007

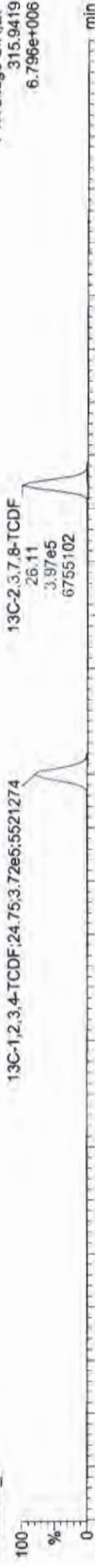
230602R1_5



F1: Voltage SIR, EI+
305.899
2.191e+007

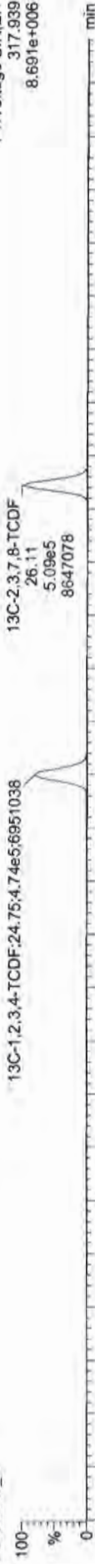
13C-2,3,7,8-TCDF

230602R1_5



F1: Voltage SIR, EI+
315.9419
6.796e+006

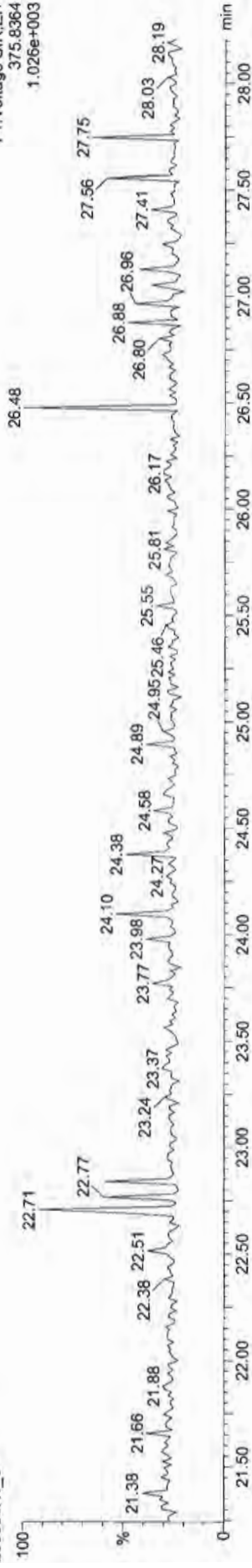
230602R1_5



F1: Voltage SIR, EI+
317.939
8.691e+006

DPE1

230602R1_5



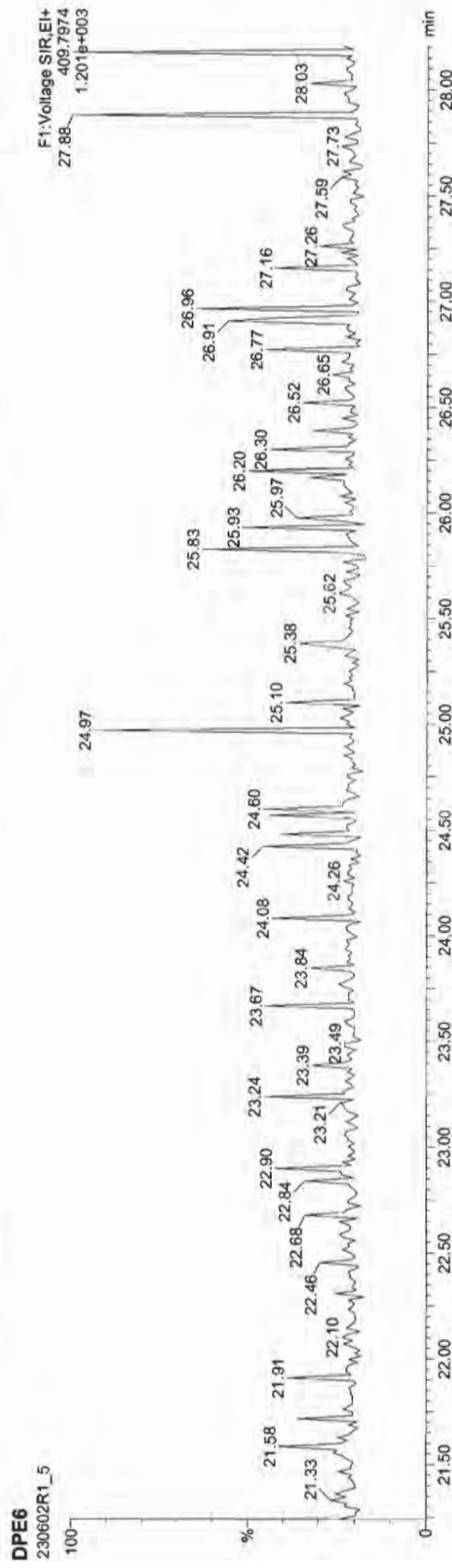
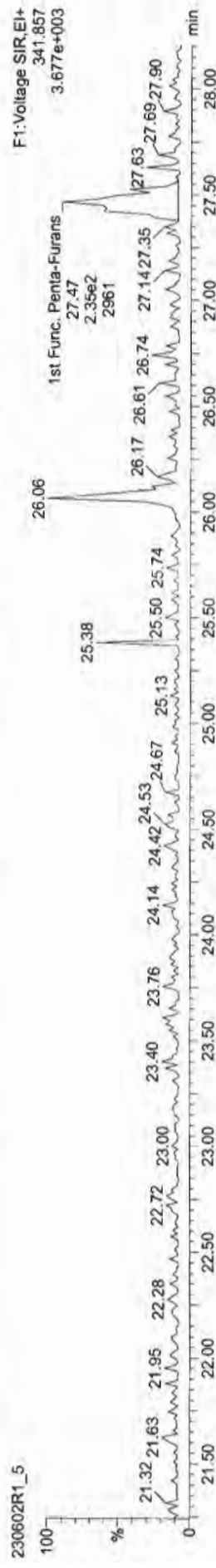
F1: Voltage SIR, EI+
375.8364
1.026e+003

Enthalpy Analytical EDH VG-12

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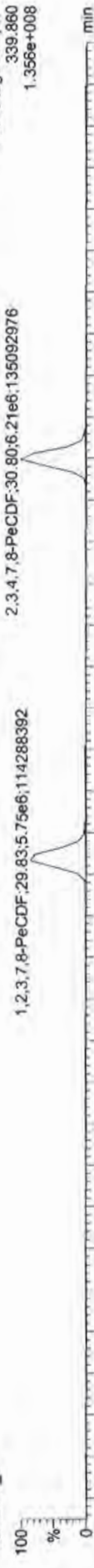
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 Printed: Saturday, June 03, 2023 9:38:59 AM Pacific Daylight Time

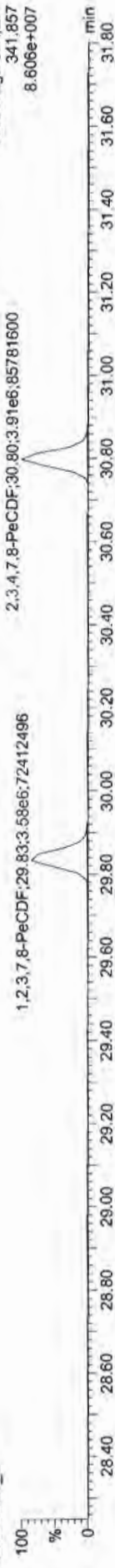
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1,2,3,7,8-PeCDF

230602R1_5

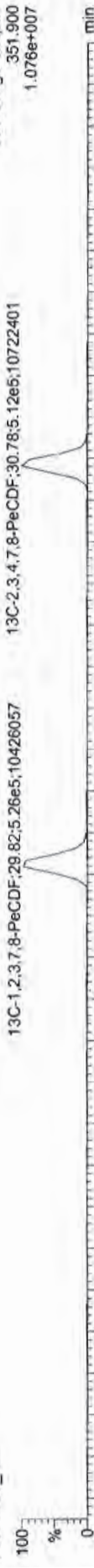


230602R1_5

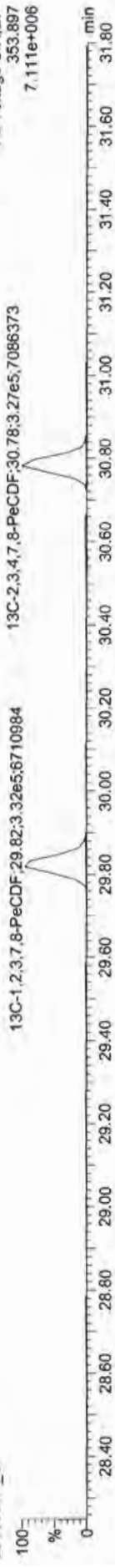


13C-1,2,3,7,8-PeCDF

230602R1_5



230602R1_5

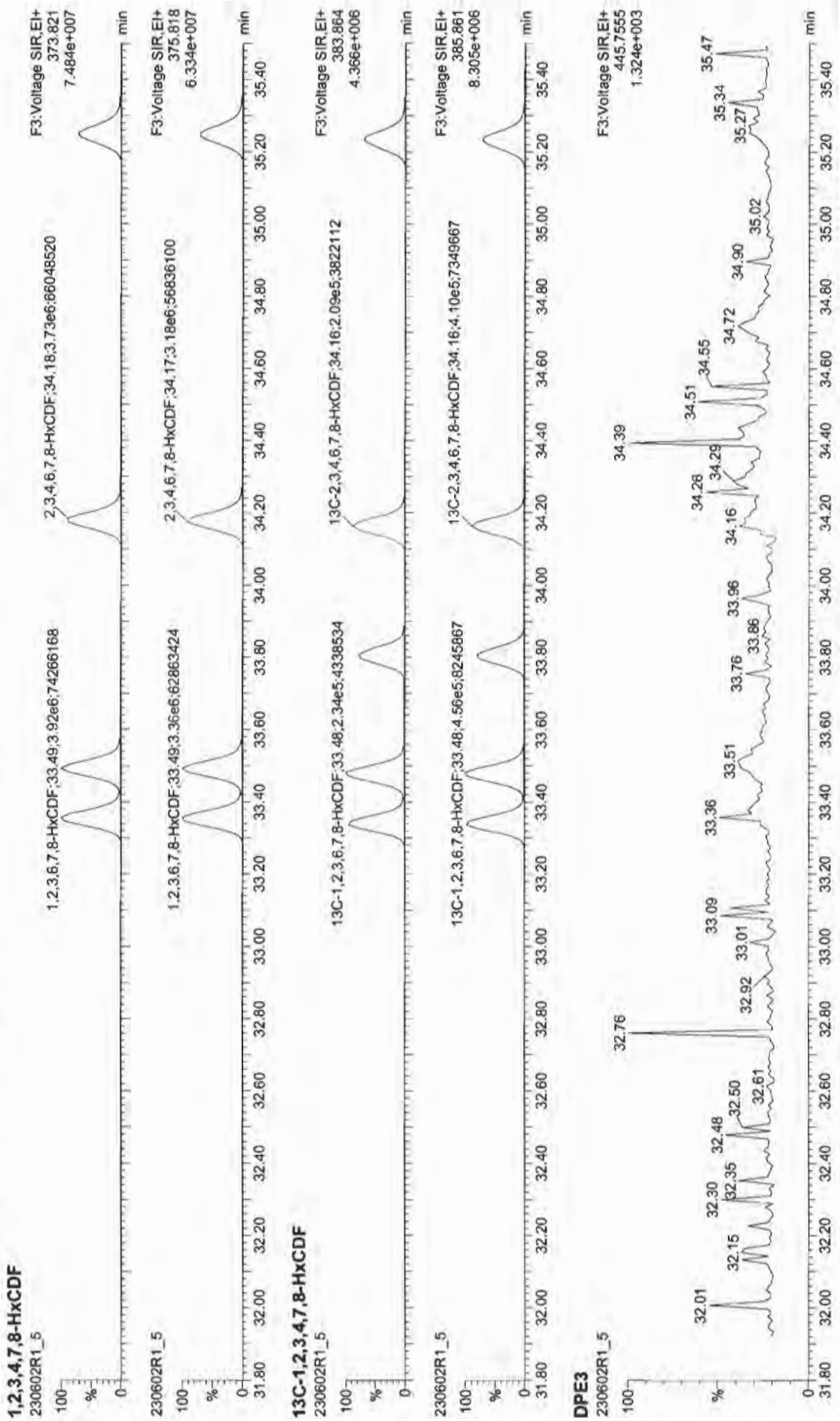


DPE2

230602R1_5



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Last Altered: Saturday, June 03, 2023 9:38:17 AM Pacific Daylight Time
Printed: Saturday, June 03, 2023 9:38:59 AM Pacific Daylight Time

Name: 230602R1_5, Date: 02-Jun-2023, Time: 13:48:53, ID: ST230602R1_5 1613 CS5 23E1005, Description: 1613 CS5 23E1005

1,2,3,4,6,7,8-HpCDF



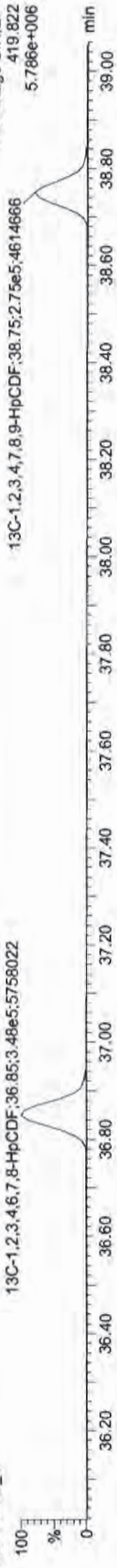
13C-1,2,3,4,6,7,8-HpCDF



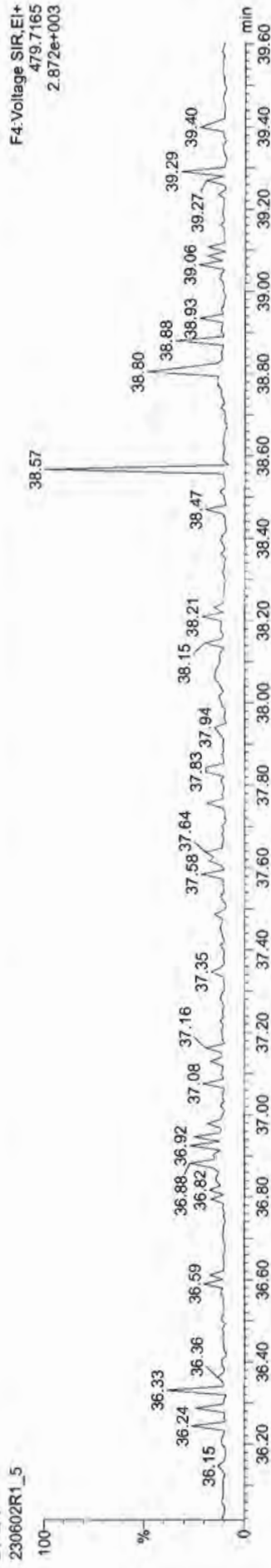
13C-1,2,3,4,6,7,8-HpCDF



13C-1,2,3,4,6,7,8-HpCDF



DPE4

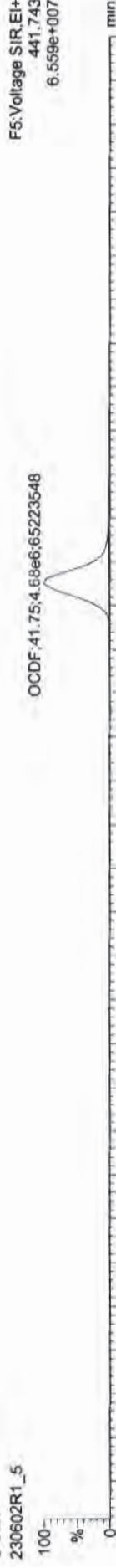


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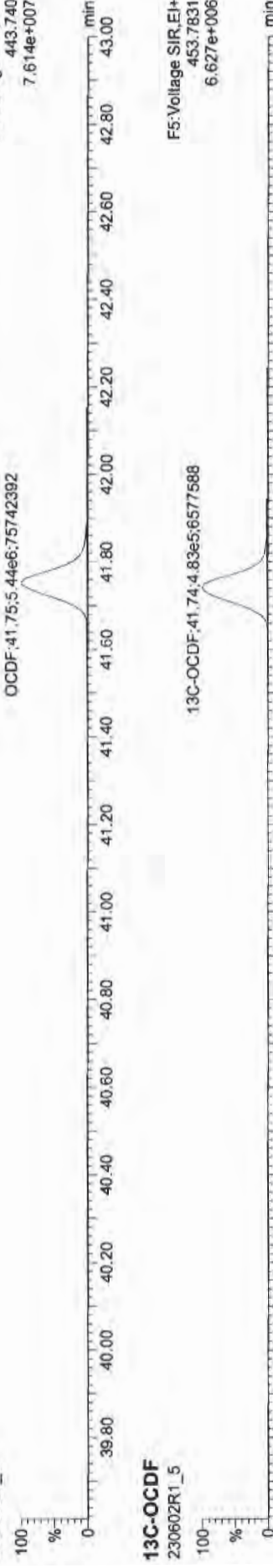
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Printed: Saturday, June 03, 2023 9:38:59 AM Pacific Daylight Time

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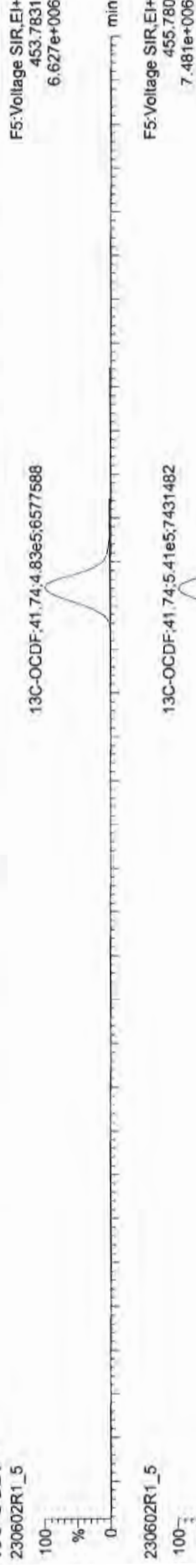
OCDF



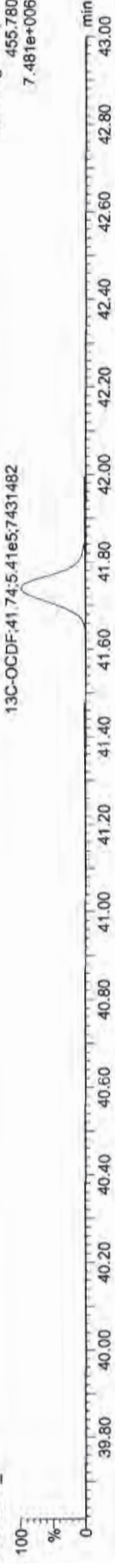
13C-OCDF



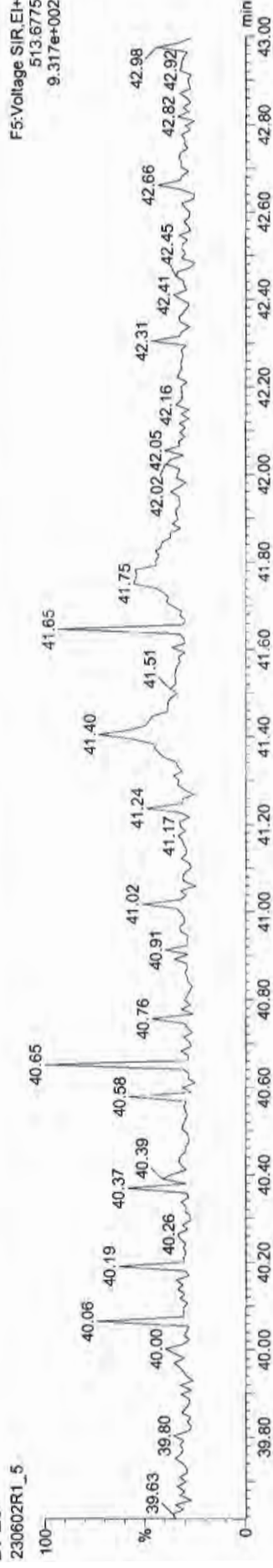
13C-OCDF



230602R1_5



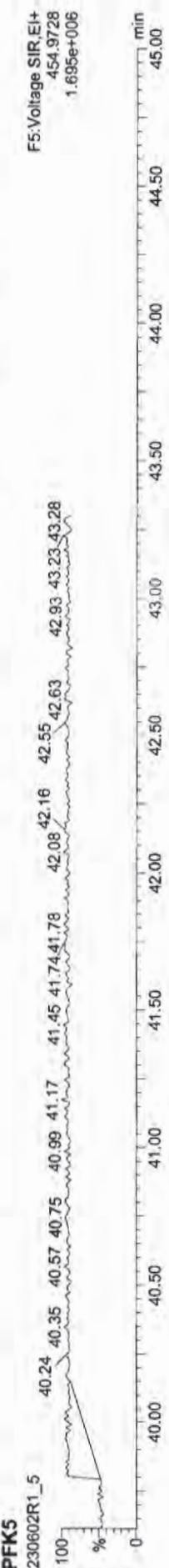
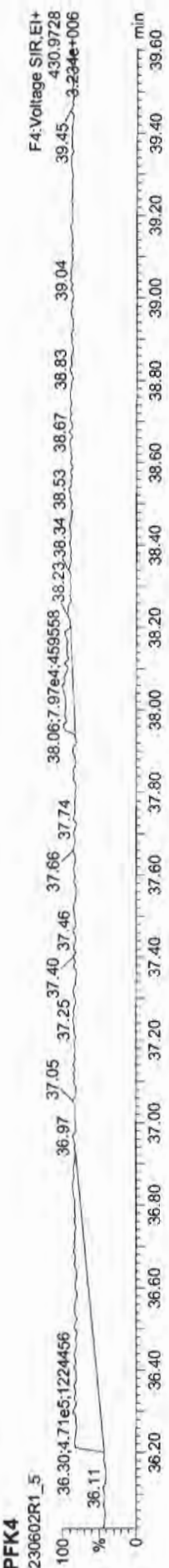
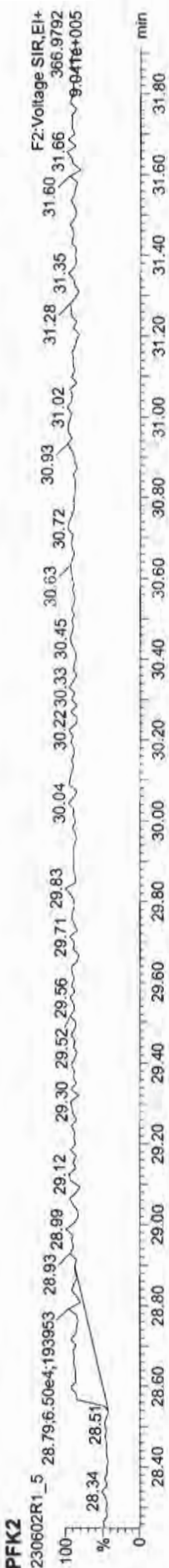
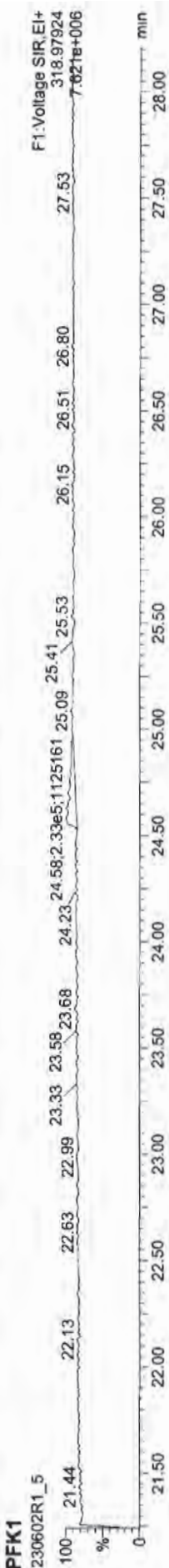
DPES



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Last Altered: Saturday, June 03, 2023 9:38:17 AM Pacific Daylight Time
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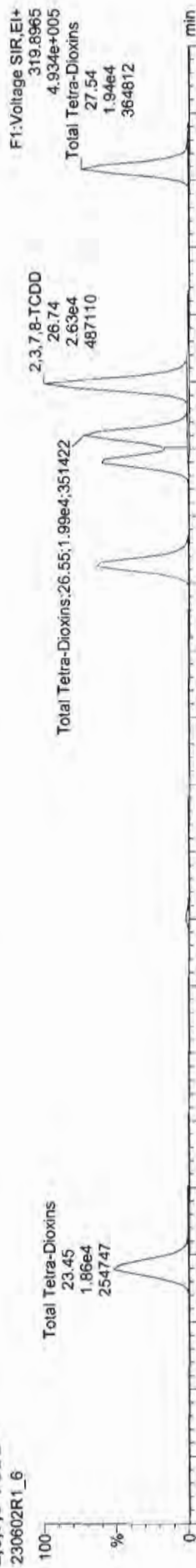


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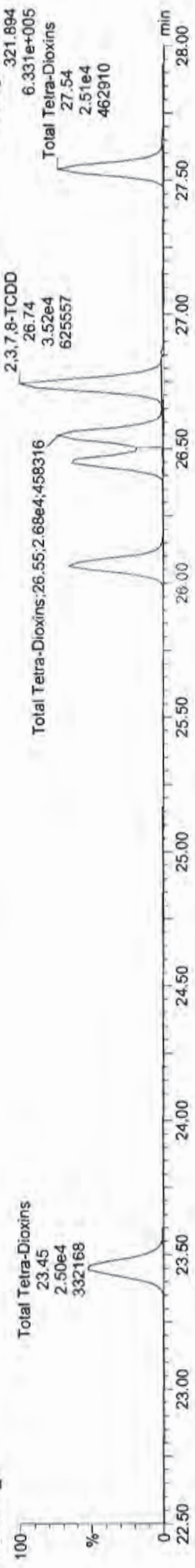
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Printed: Saturday, June 03, 2023 9:38:59 AM Pacific Daylight Time

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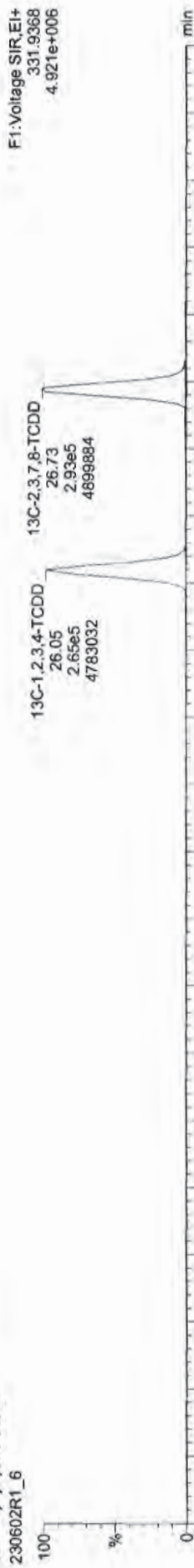
2,3,7,8-TCDD



13C-2,3,7,8-TCDD



13C-1,2,3,4-TCDD



13C-2,3,7,8-TCDD



Dataset: Untitled

Last Altered: Saturday, June 03, 2023 9:38:17 AM Pacific Daylight Time
Printed: Saturday, June 03, 2023 9:38:59 AM Pacific Daylight Time

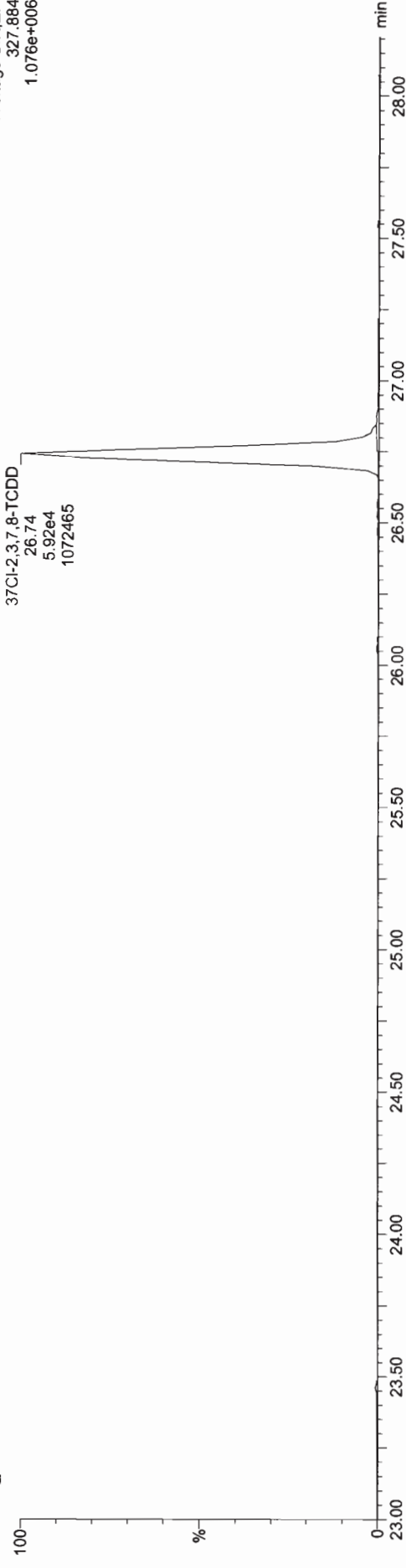
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37Cl-2,3,7,8-TCDD

230602R1_6

F1:Voltage SIR,EI+
327.884
1.076e+006

37Cl-2,3,7,8-TCDD
26.74
5.92e4
1072465



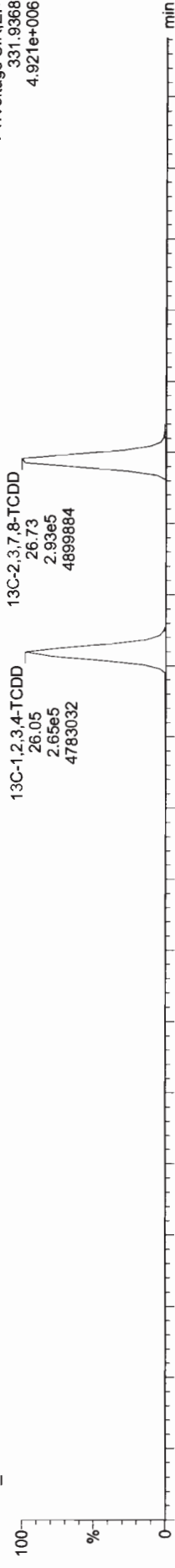
13C-1,2,3,4-TCDD

230602R1_6

F1:Voltage SIR,EI+
331.9368
4.921e+006

13C-1,2,3,4-TCDD
26.05
2.65e5
4783032

13C-2,3,7,8-TCDD
26.73
2.93e5
4899884

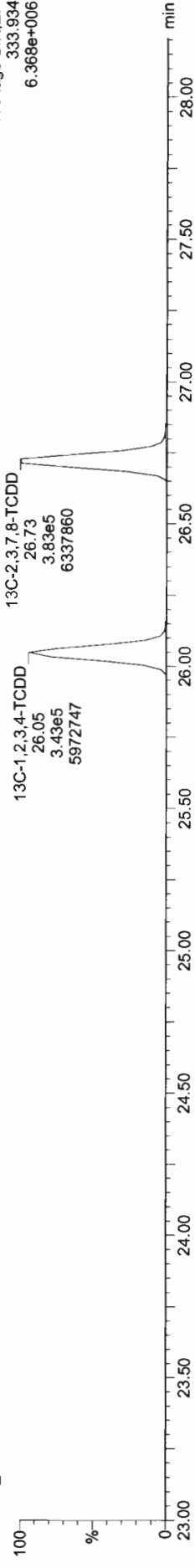


230602R1_6

F1:Voltage SIR,EI+
333.934
6.368e+006

13C-1,2,3,4-TCDD
26.05
3.43e5
5972747

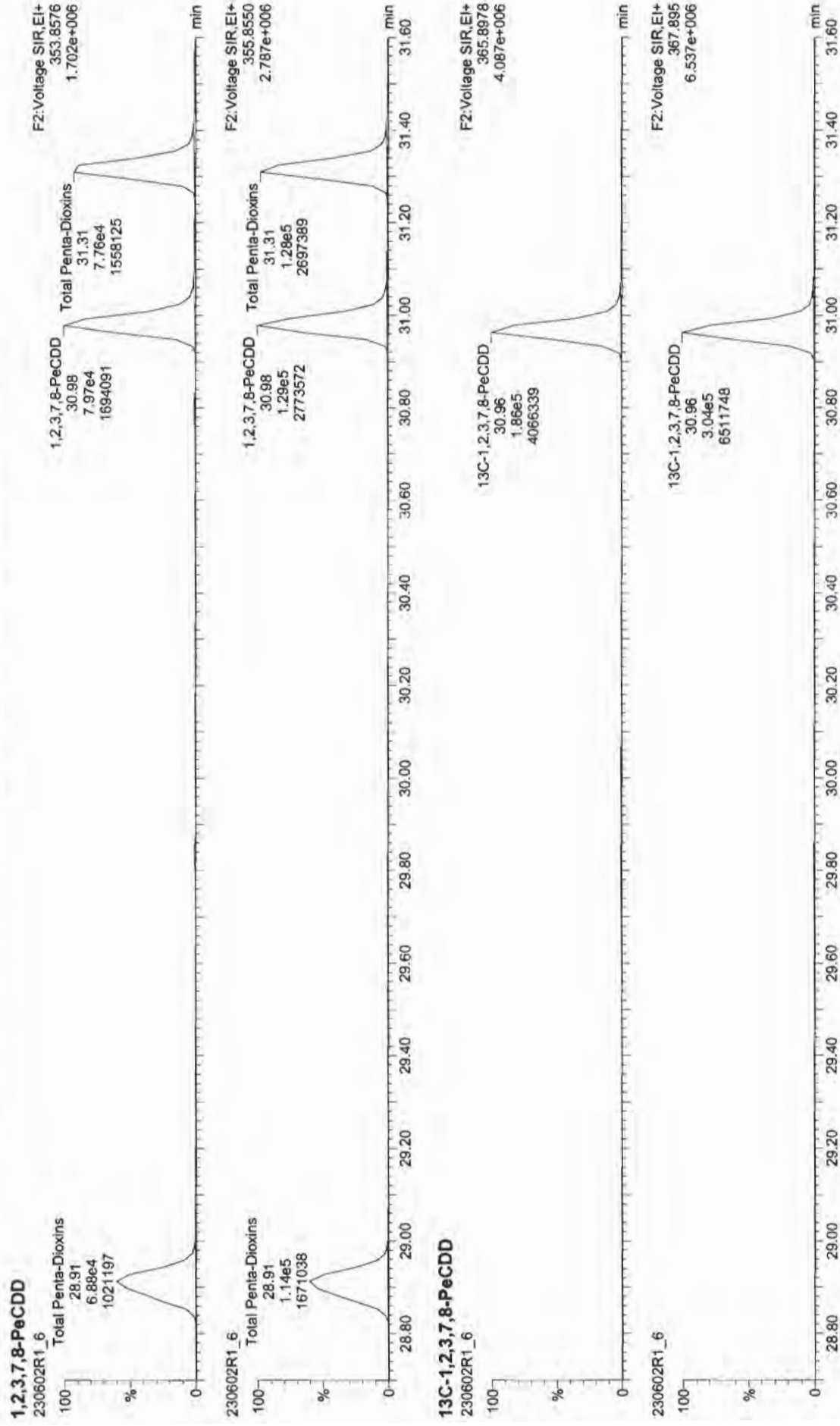
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6337860



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1,2,3,4,7,8-HxCDD

230602R1_6

Total Hexa-Dioxins
32.58
1.11e5
2138477

1,2,3,4,7,8-HxCDD
34.29
1.05e5
1847569

F3:Voltage SIR,EI+
389.816
2.146e+006



13C-1,2,3,4,7,8-HxCDD

230602R1_6

13C-1,2,3,6,7,8-HxCDD:34.40;2.42e5;4085518

F3:Voltage SIR,EI+
401.856
4.116e+006



230602R1_6

13C-1,2,3,6,7,8-HxCDD:34.40;1.95e5;3304272

F3:Voltage SIR,EI+
403.853
3.328e+006



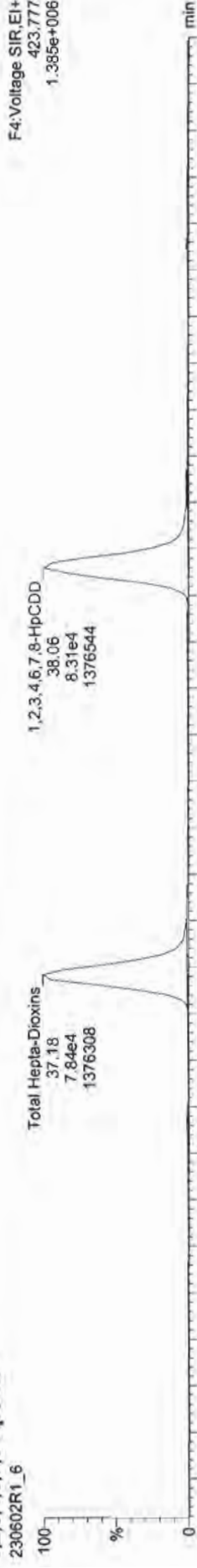
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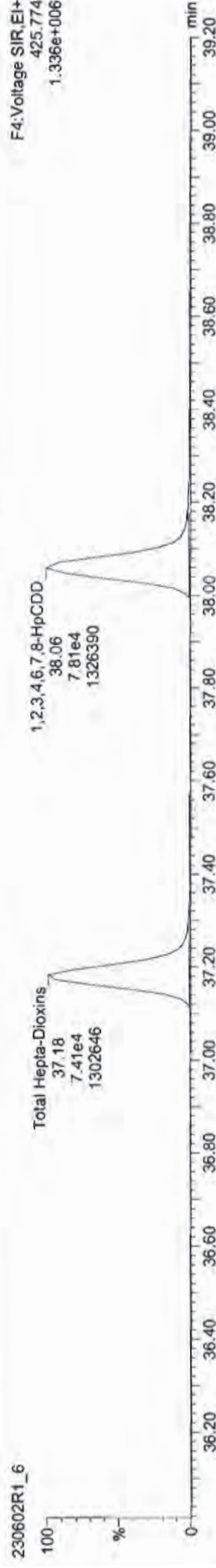
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1,2,3,4,6,7,8-HpCDD

230602R1_6

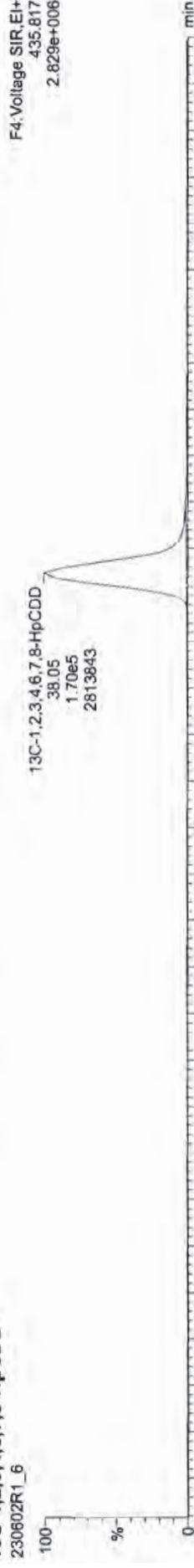


230602R1_6



13C-1,2,3,4,6,7,8-HpCDD

230602R1_6



230602R1_6



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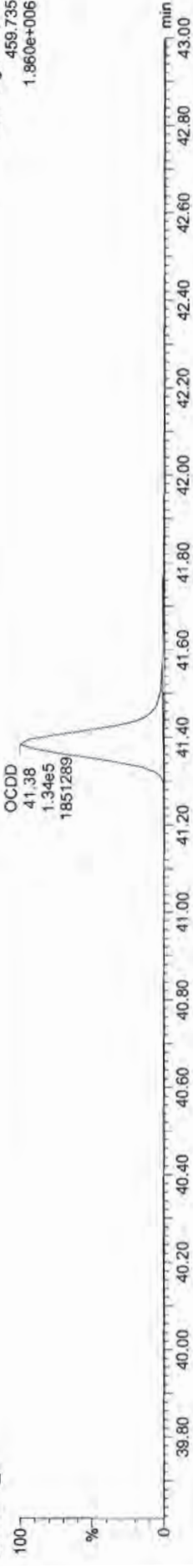
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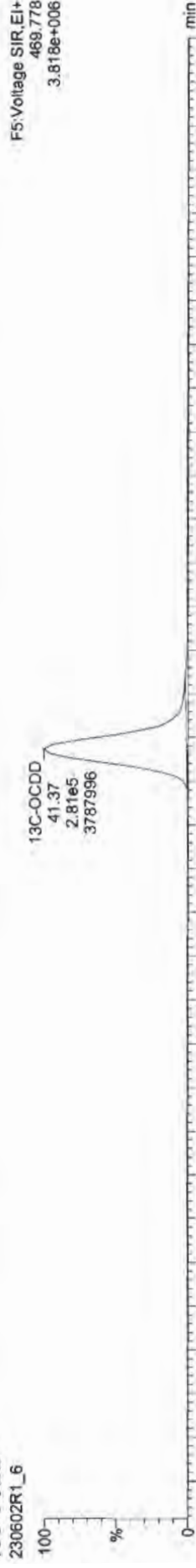
OCDD



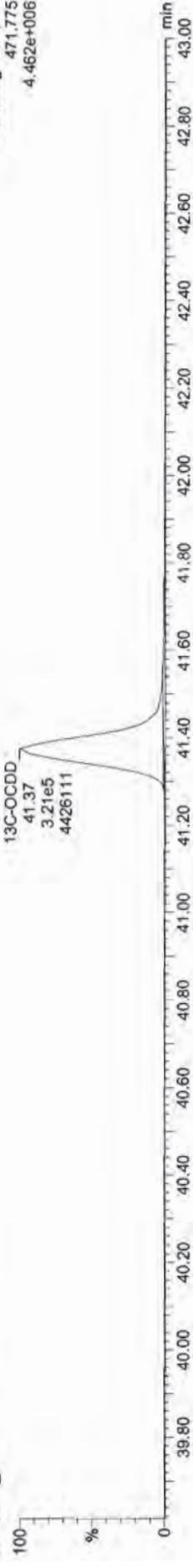
OCDD



13C-OCDD



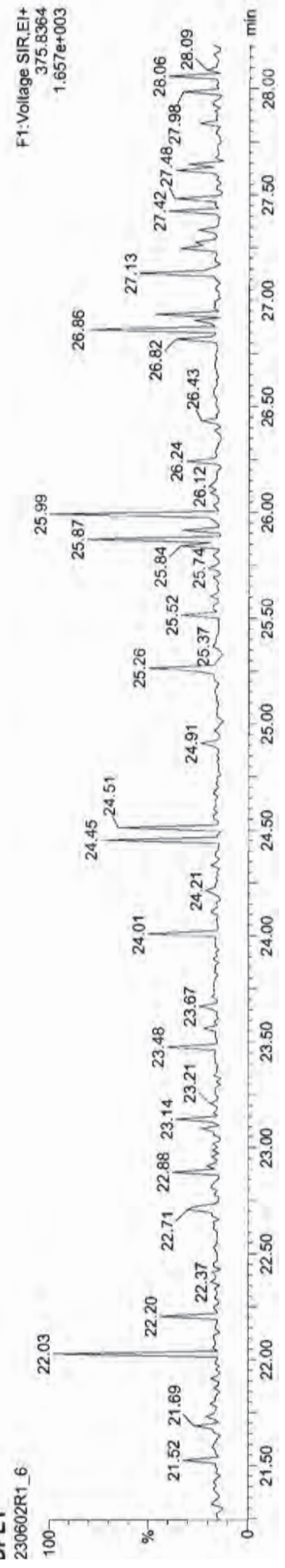
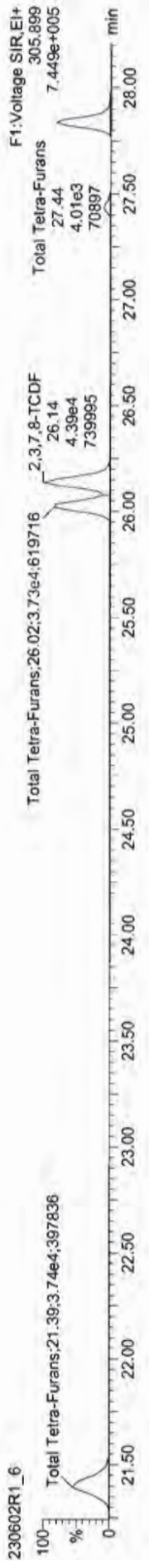
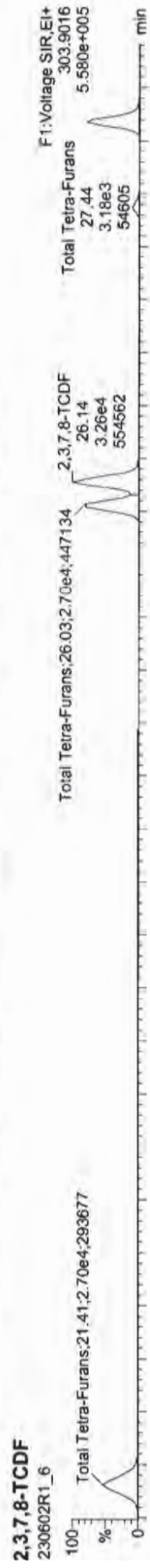
13C-OCDD



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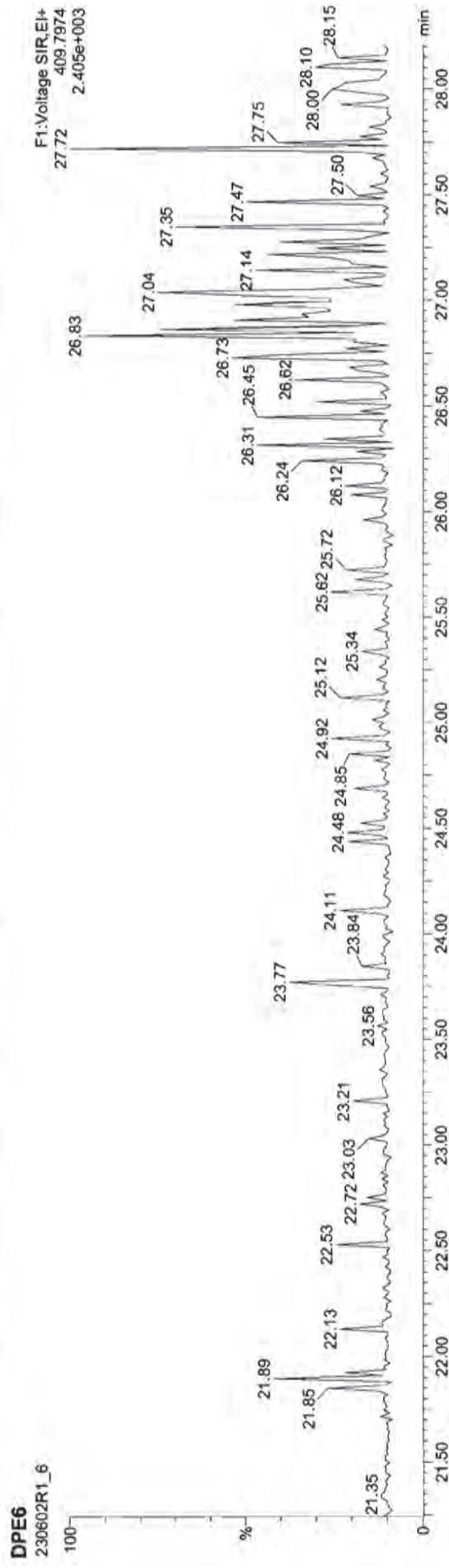
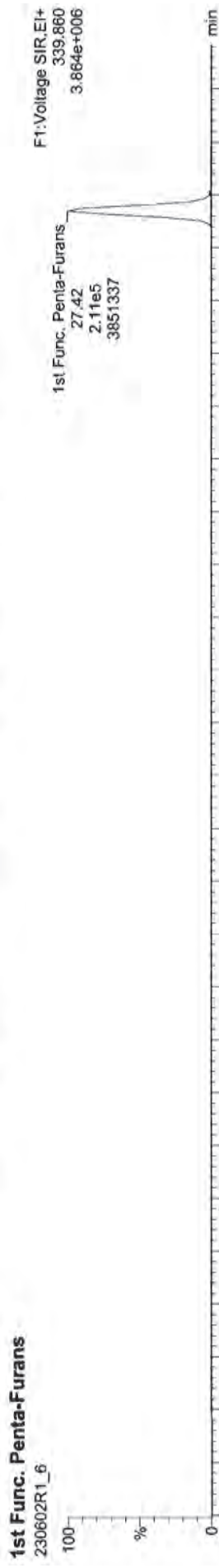
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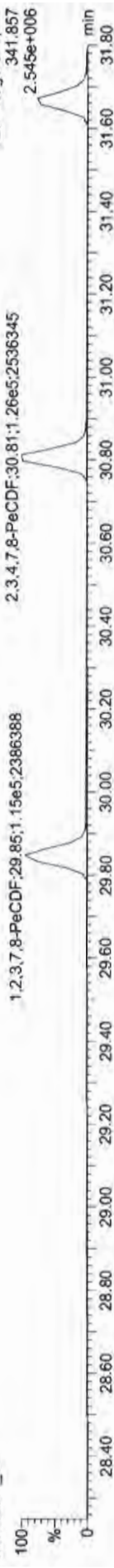
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1,2,3,7,8-PeCDF

230602R1_6



230602R1_6

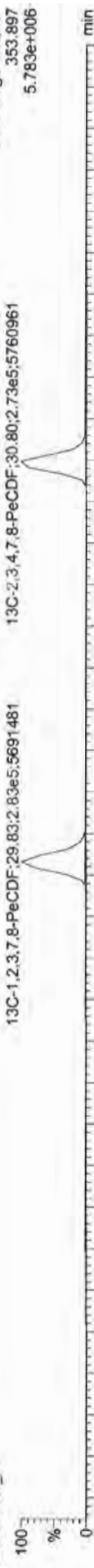


13C-1,2,3,7,8-PeCDF

230602R1_6

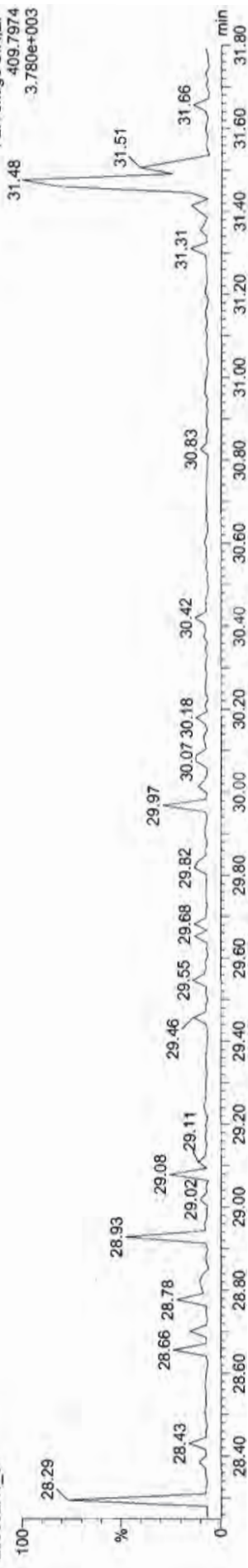


230602R1_6



DPE2

230602R1_6

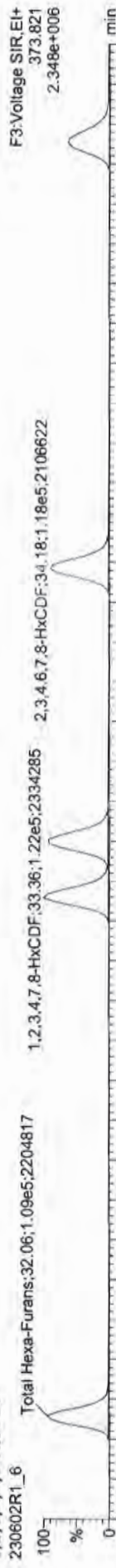


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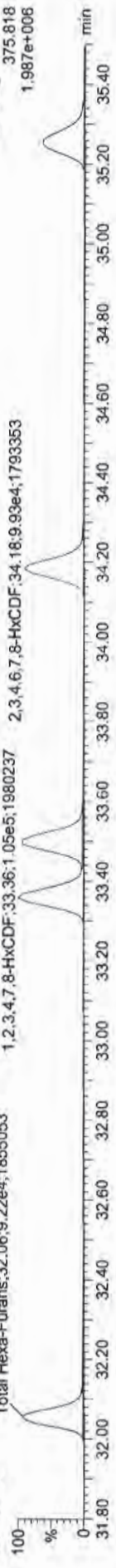
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Printed: Saturday, June 03, 2023 9:38:59 AM Pacific Daylight Time

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1,2,3,4,7,8-HxCDF



230602R1_6



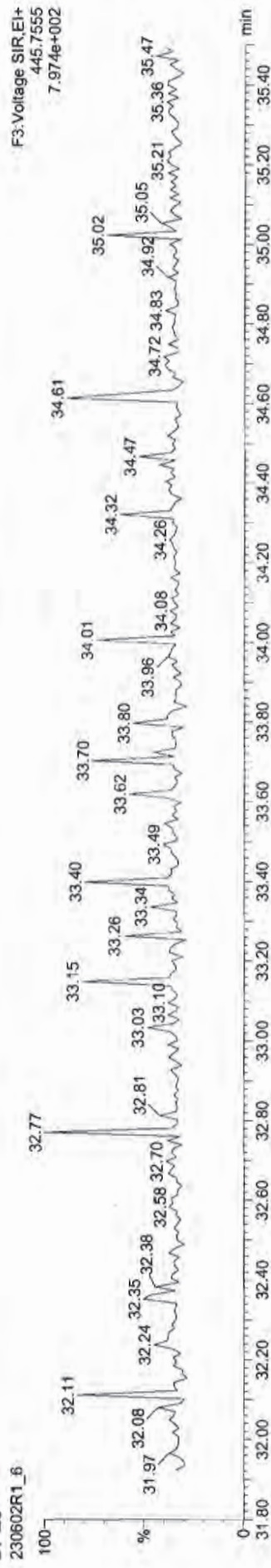
13C-1,2,3,4,7,8-HxCDF



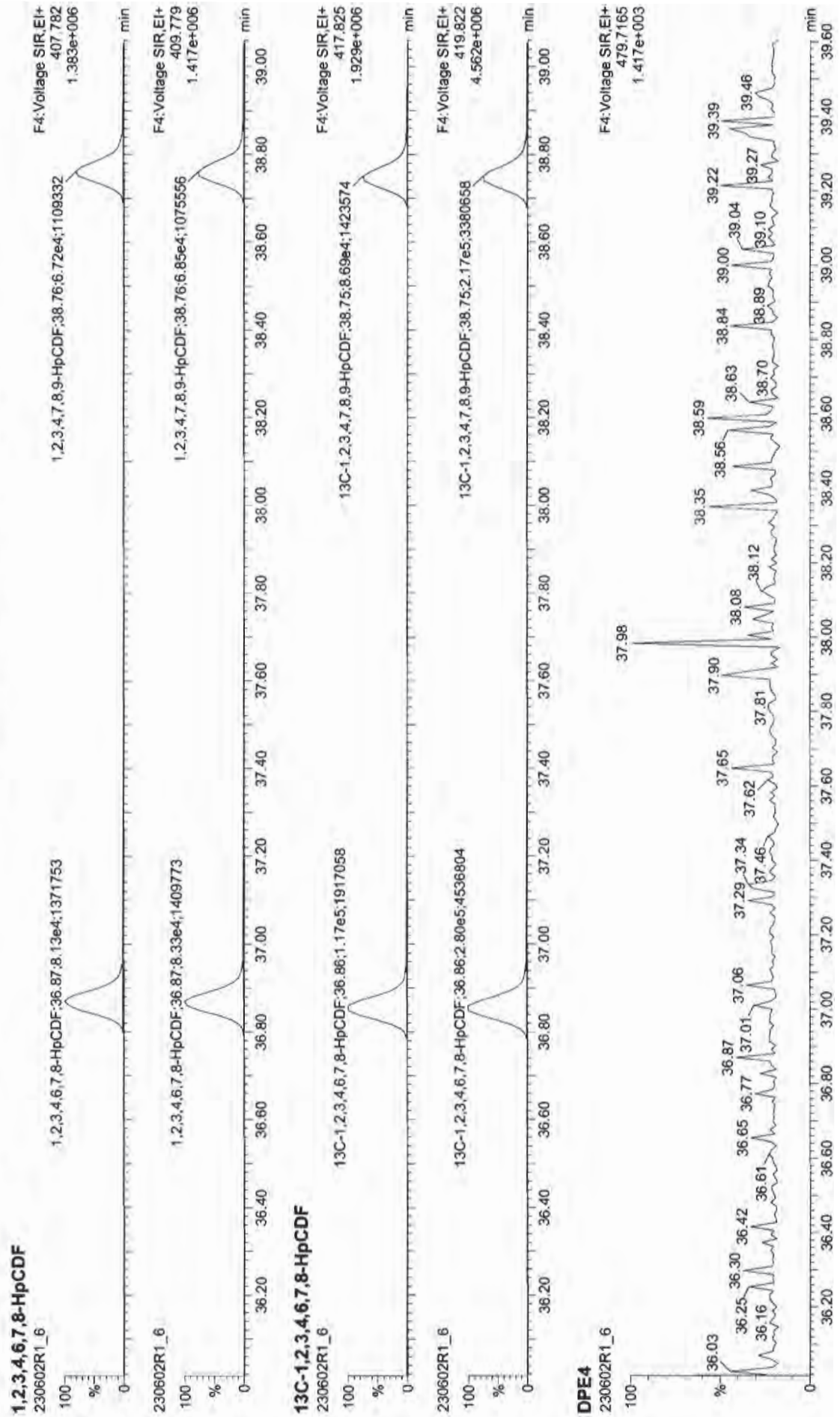
230602R1_6



DPE3



Name: 230602R1_6, Date: 02-Jun-2023, Time: 14:33:59, ID: ST230602R1_6 1613 CS3 23E1003, Description: 1613 CS3 23E1003



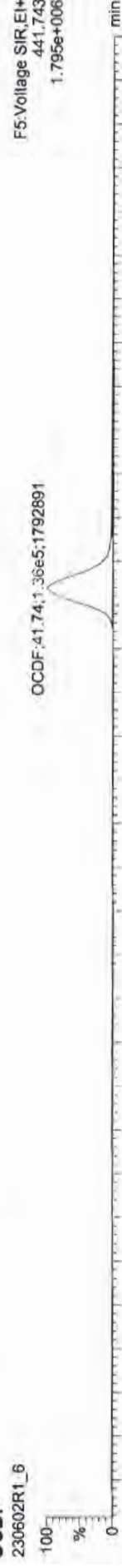
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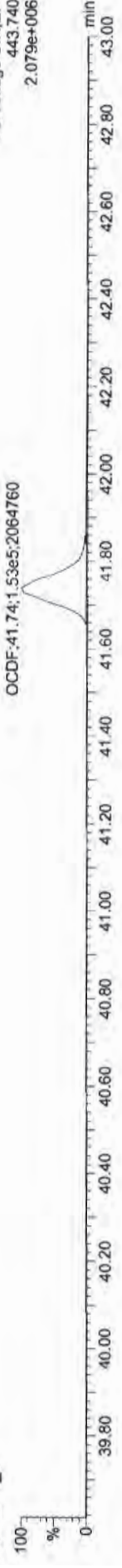
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Name: 230602R1_6, Date: 02-Jun-2023, Time: 14:33:59, ID: ST230602R1_6 1613 CS3 23E1003, Description: 1613 CS3 23E1003

OCDF



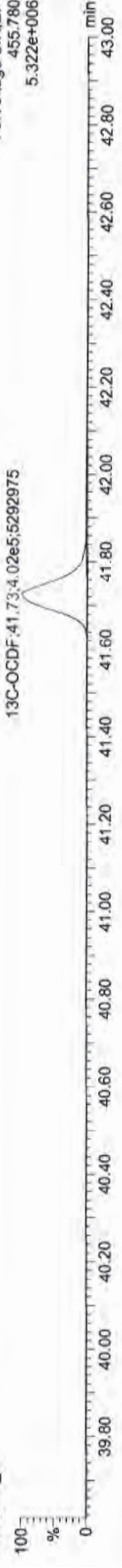
13C-OCDF



13C-OCDF



230602R1_6



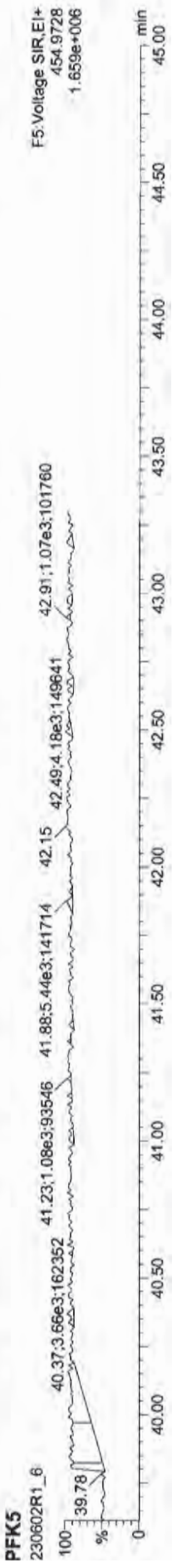
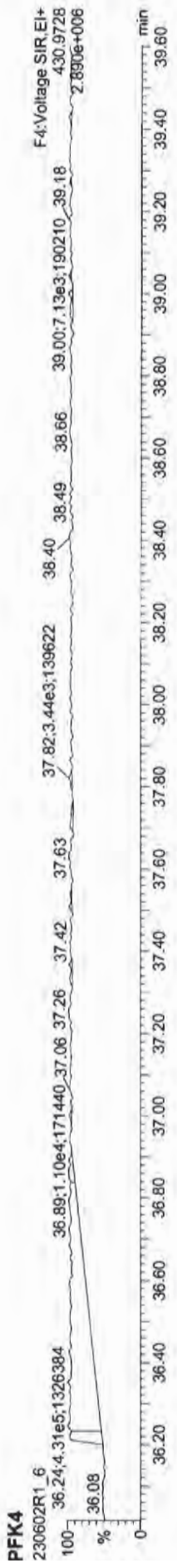
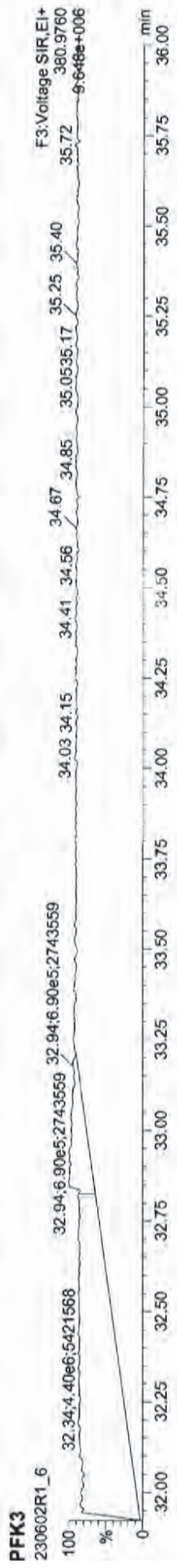
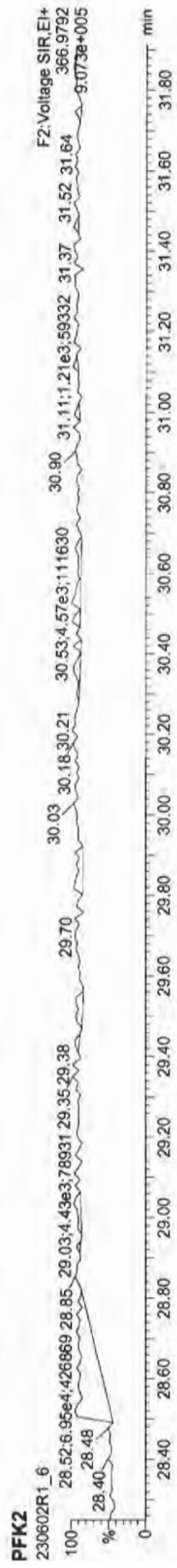
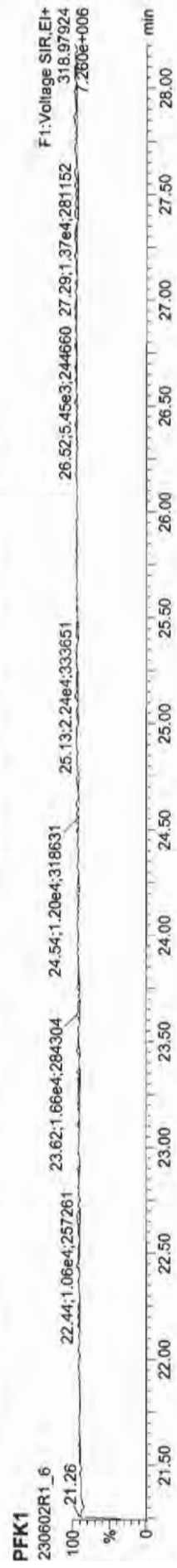
DPE5



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Last Altered: Saturday, June 03, 2023 9:38:17 AM Pacific Daylight Time
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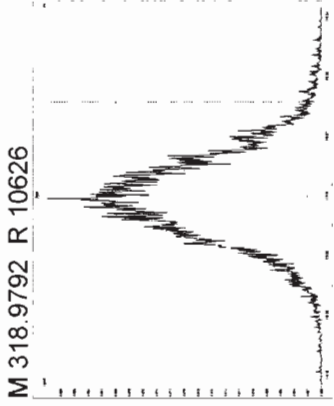
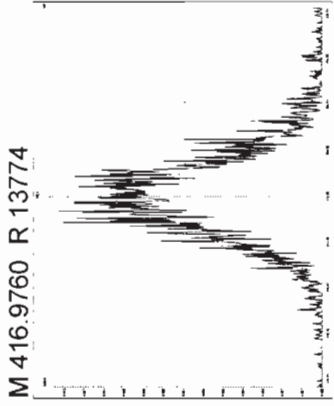
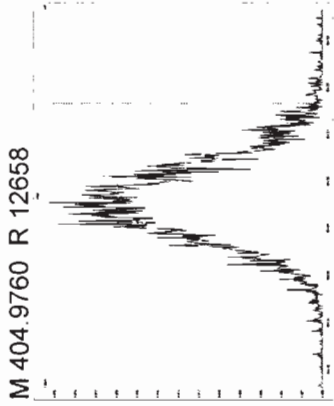
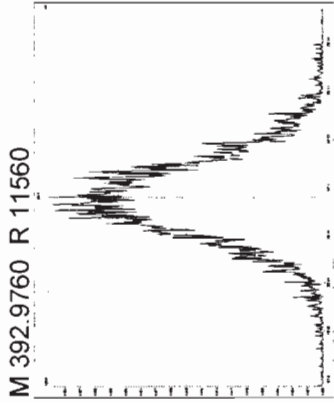
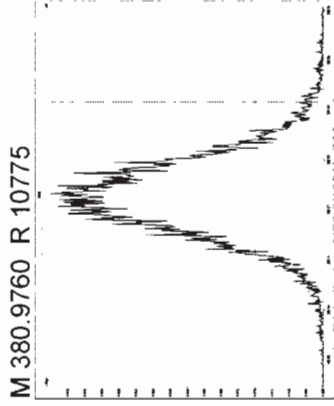
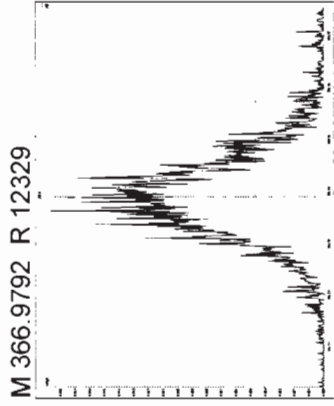
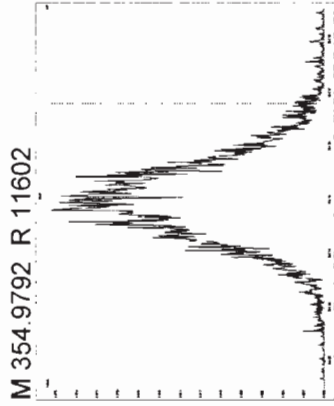
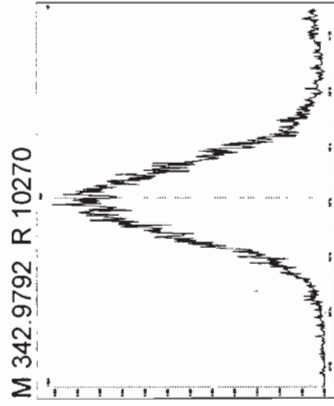
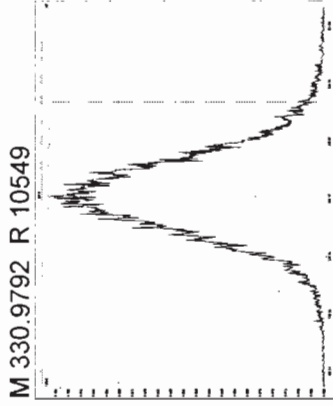
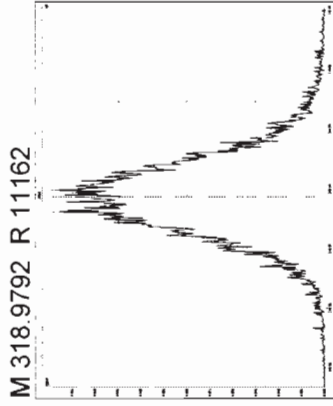
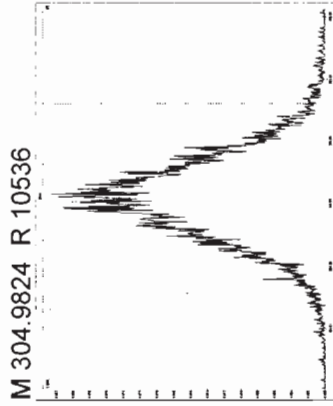
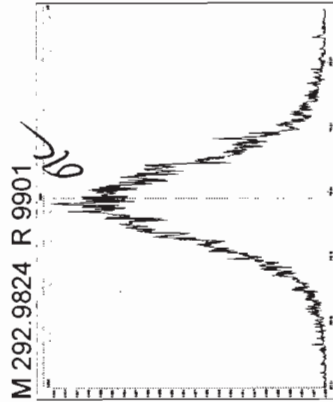


Resolution Check Report

MassLynx 4.1 SCN815

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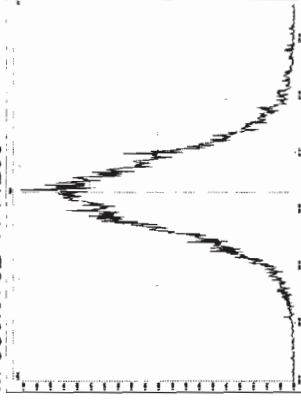
Resolution Check Report

MassLynx 4.1 SCN815

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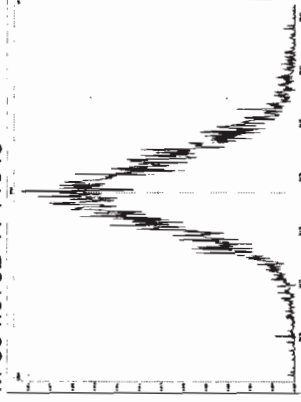
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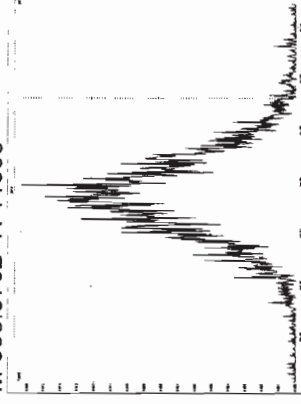
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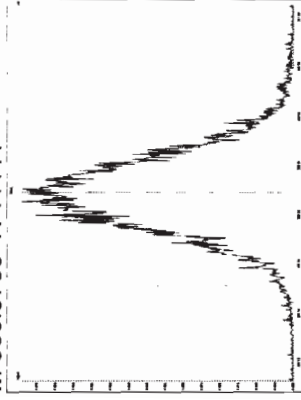
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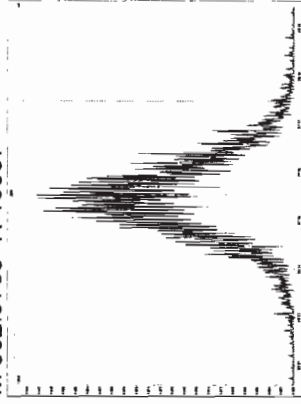
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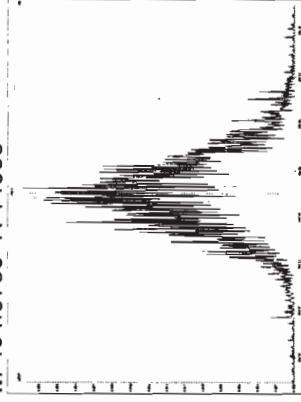
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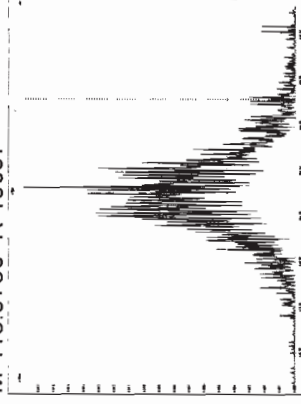
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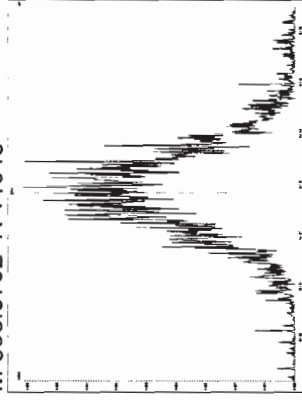
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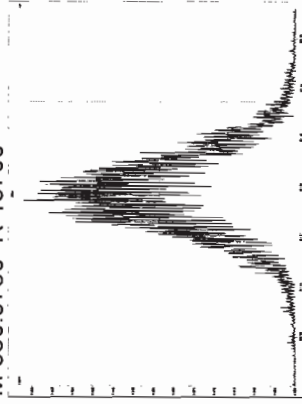
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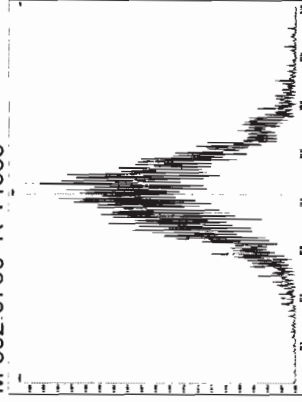
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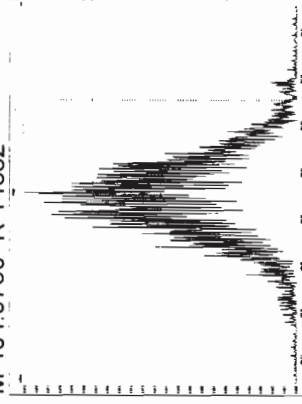
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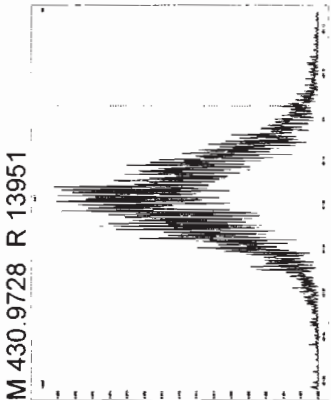
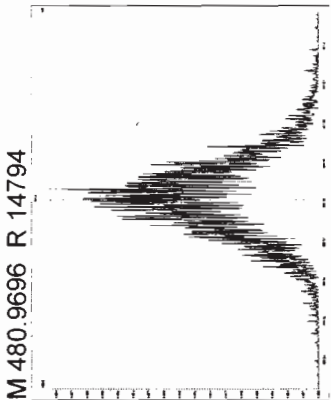
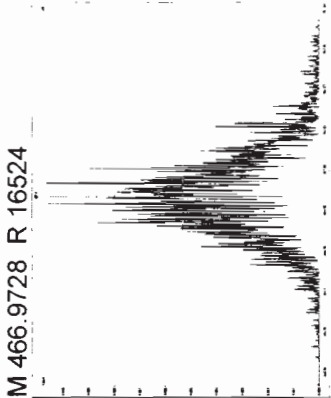
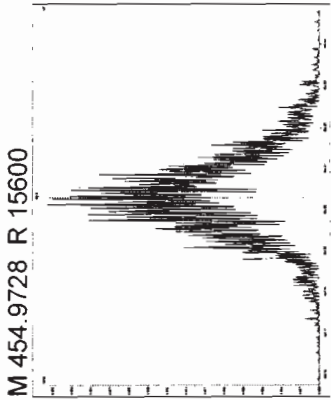
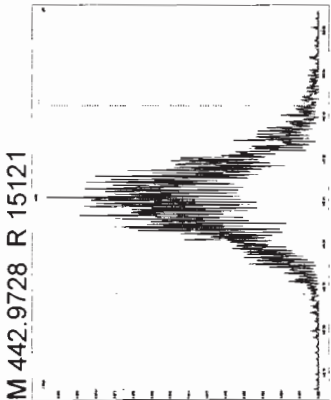
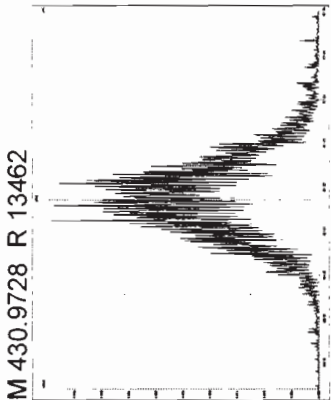
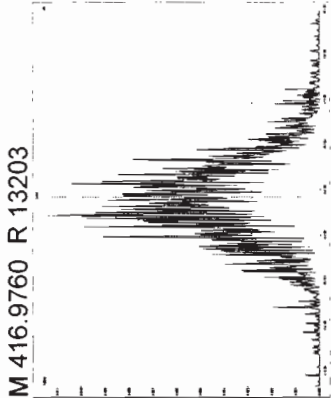
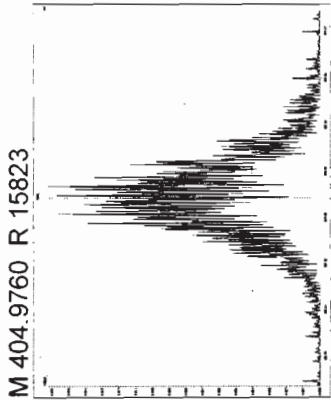
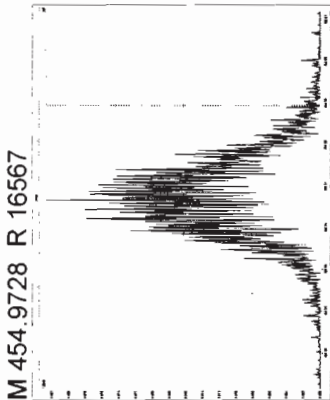
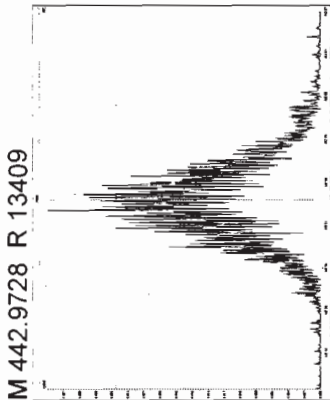
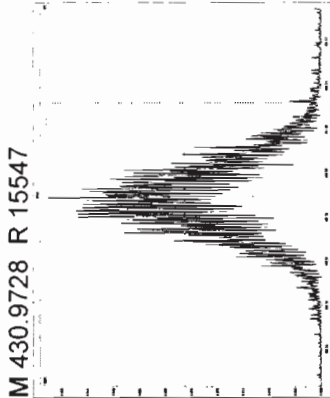
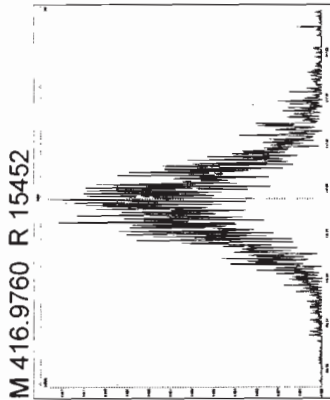
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Resolution Check Report

MassLynx 4.1 SCN815

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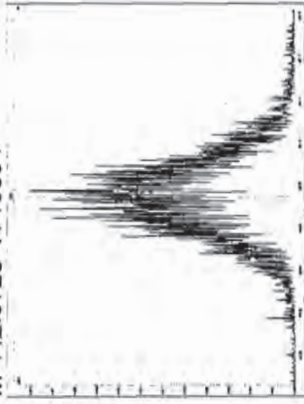
Resolution Check Report

MassLynx 4.1 SCN815

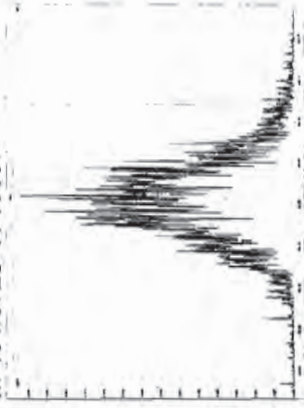
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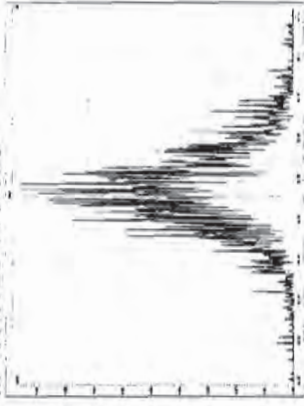
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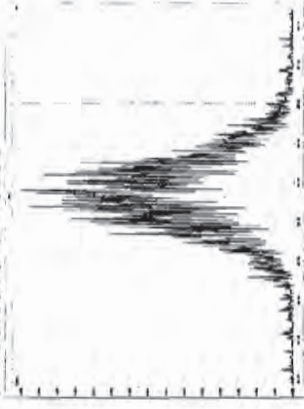
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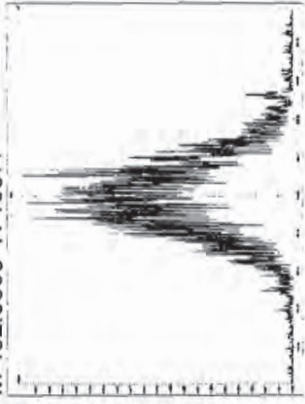
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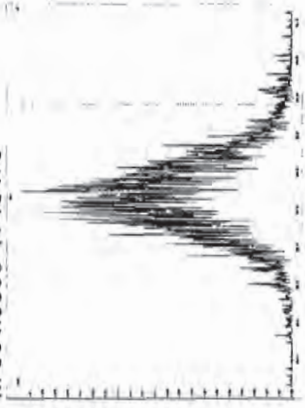
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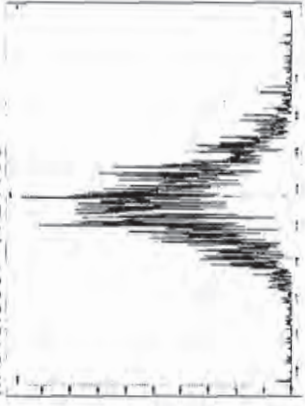
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M 504.9696 R 15475



M 516.9697 R 21163



Dataset: I:\VG12\PRO\Results\230602R1\230602R1-7.qld

Last Altered: Saturday, June 03, 2023 10:15:39 AM Pacific Daylight Time
Printed: Saturday, June 03, 2023 10:16:11 AM Pacific Daylight Time

Method: C:\MassLynx\DEFAULT.PRO\MethDB\1613rrt-6-1-23.mdb 01 Jun 2023 15:09:04

Calibration: C:\MassLynx\DEFAULT.PRO\CurveDB\DIODIOLIN_1613vg12-6-02-23.cdb 03 Jun 2023 08:46:31

Name: 230602R1_7, Date: 02-Jun-2023, Time: 15:22:06, ID: SS230602R1_1 1613 SSS 21G0806, Description: 1613 SSS 21G0806, Task: ICAL230602R1_1

	Name	Resp	RA	n/y	RRF	w/vol	RT	RRT	Conc.	%Rec	DL	EMPC
1	2,3,7,8-TCDD	4.25e4	0.73	NO	0.906	1.000	26.74	1.001	9.4770	94.8	0.0289	9.48
2	1,2,3,7,8-PeCDD	1.62e5	0.61	NO	0.745	1.000	30.98	1.000	54.640	109	0.0830	54.6
3	1,2,3,4,7,8-HxCDD	1.43e5	1.31	NO	0.837	1.000	34.29	1.000	58.872	118	0.165	58.9
4	1,2,3,6,7,8-HxCDD	1.49e5	1.33	NO	0.782	1.000	34.41	1.000	59.368	119	0.162	59.4
5	1,2,3,7,8,9-HxCDD	1.42e5	1.29	NO	0.780	1.000	34.71	1.000	55.708	111	0.171	55.7
6	1,2,3,4,6,7,8-HpCDD	1.20e5	1.06	NO	0.903	1.000	38.07	1.000	52.694	105	0.220	52.7
7	OCDD	1.99e5	0.88	NO	0.782	1.000	41.39	1.000	115.43	115	0.312	115
8	2,3,7,8-TCDF	5.40e4	0.74	NO	0.852	1.000	26.14	1.001	9.0887	90.9	0.0255	9.09
9	1,2,3,7,8-PeCDF	2.35e5	1.64	NO	0.758	1.000	29.85	1.001	56.450	113	0.0784	56.5
10	2,3,4,7,8-PeCDF	2.71e5	1.63	NO	0.834	1.000	30.81	1.000	59.403	119	0.0715	59.4
11	1,2,3,4,7,8-HxCDF	1.75e5	1.18	NO	0.762	1.000	33.36	1.000	55.167	110	0.147	55.2
12	1,2,3,6,7,8-HxCDF	1.83e5	1.22	NO	0.726	1.000	33.50	1.001	59.296	119	0.161	59.3
13	2,3,4,6,7,8-HxCDF	1.75e5	1.17	NO	0.756	1.000	34.18	1.000	59.831	120	0.166	59.8
14	1,2,3,7,8,9-HxCDF	1.46e5	1.18	NO	0.749	1.000	35.26	1.001	56.663	113	0.237	56.7
15	1,2,3,4,6,7,8-HpCDF	1.29e5	0.99	NO	0.754	1.000	36.87	1.000	59.285	119	0.203	59.3
16	1,2,3,4,7,8,9-HpCDF	1.03e5	1.01	NO	0.792	1.000	38.77	1.000	54.034	108	0.240	54.0
17	OCDF	2.10e5	0.85	NO	0.569	1.000	41.76	1.000	106.05	106	0.256	106
18	13C-2,3,7,8-TCDD	4.95e5	0.78	NO	1.13	1.000	26.73	1.026	94.140	94.1	0.131	
19	13C-1,2,3,7,8-PeCDD	3.99e5	0.61	NO	0.869	1.000	30.96	1.189	98.163	98.2	0.125	
20	13C-1,2,3,4,7,8-HxCDD	2.90e5	1.27	NO	0.746	1.000	34.28	1.014	90.599	90.6	0.216	
21	13C-1,2,3,6,7,8-HxCDD	3.21e5	1.25	NO	0.803	1.000	34.40	1.018	93.205	93.2	0.201	
22	13C-1,2,3,7,8,9-HxCDD	3.26e5	1.22	NO	0.817	1.000	34.70	1.026	93.110	93.1	0.197	
23	13C-1,2,3,4,6,7,8-HpCDD	2.51e5	1.06	NO	0.611	1.000	38.06	1.126	95.788	95.8	0.240	
24	13C-OCDD	4.42e5	0.85	NO	0.545	1.000	41.38	1.224	188.85	94.4	0.296	
25	13C-2,3,7,8-TCDF	6.97e5	0.77	NO	1.07	1.000	26.12	1.003	104.28	104	0.105	
26	13C-1,2,3,7,8-PeCDF	5.49e5	1.58	NO	0.907	1.000	29.83	1.145	97.129	97.1	0.163	
27	13C-2,3,4,7,8-PeCDF	5.46e5	1.60	NO	0.889	1.000	30.80	1.182	98.567	98.6	0.166	
28	13C-1,2,3,4,7,8-HxCDF	4.16e5	0.50	NO	0.993	1.000	33.35	0.986	97.524	97.5	0.296	
29	13C-1,2,3,6,7,8-HxCDF	4.24e5	0.50	NO	1.05	1.000	33.48	0.990	93.844	93.8	0.279	
30	13C-2,3,4,6,7,8-HpCDF	3.86e5	0.50	NO	0.956	1.000	34.17	1.011	94.212	94.2	0.307	
31	13C-1,2,3,7,8,9-HpCDF	3.45e5	0.50	NO	0.853	1.000	35.24	1.042	94.193	94.2	0.345	
32	13C-1,2,3,4,6,7,8-HpCDF	2.88e5	0.42	NO	0.721	1.000	36.86	1.090	93.207	93.2	0.326	

Dataset: I:\VG12.PRO\Results\230602R1\230602R1-7.qld

Last Altered: Saturday, June 03, 2023 10:15:39 AM Pacific Daylight Time

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Name: 230602R1_7, Date: 02-Jun-2023, Time: 15:22:06, ID: SS230602R1_1 1613 SSS 21G0806, Description: 1613 SSS 21G0806, Task: ICAL230602R1_1

	Name	Resp	RA	n/y	RRF	w/vol	RT	RRT	Conc.	%Rec	DL	EMPC
33	13C-1,2,3,4,7,8,9-HpCDF	2.41e5	0.41	NO	0.581	1.000	38.76	1.147	96.675	96.7	0.405	
34	13C-OCDF	5.93e5	0.87	NO	0.718	1.000	41.74	1.235	192.42	96.2	0.200	
35	37Cl-2,3,7,8-TCDD	4.86e4			0.980	1.000	26.74	1.027	10.608	106	0.0143	
36	13C-1,2,3,4-TCDD	4.68e5	0.76	NO	1.00	1.000	26.05	1.000	100.00	100	0.147	
37	13C-1,2,3,4-TCDF	6.23e5	0.79	NO	1.00	1.000	24.76	1.000	100.00	100	0.112	
38	13C-1,2,3,4,6,9-HxCDF	4.29e5	0.50	NO	1.00	1.000	33.81	1.000	100.00	100	0.294	

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Last Altered: Saturday, June 03, 2023 9:38:17 AM Pacific Daylight Time
Printed: Saturday, June 03, 2023 9:38:59 AM Pacific Daylight Time

Name: 230602R1_7, Date: 02-Jun-2023, Time: 15:22:06, ID: SS230602R1_1 1613 SSS 21G0806, Description: 1613 SSS 21G0806

2,3,7,8-TCDD

230602R1_7



13C-2,3,7,8-TCDD

230602R1_7



13C-2,3,7,8-TCDD

230602R1_7



2,3,7,8-TCDD

230602R1_7



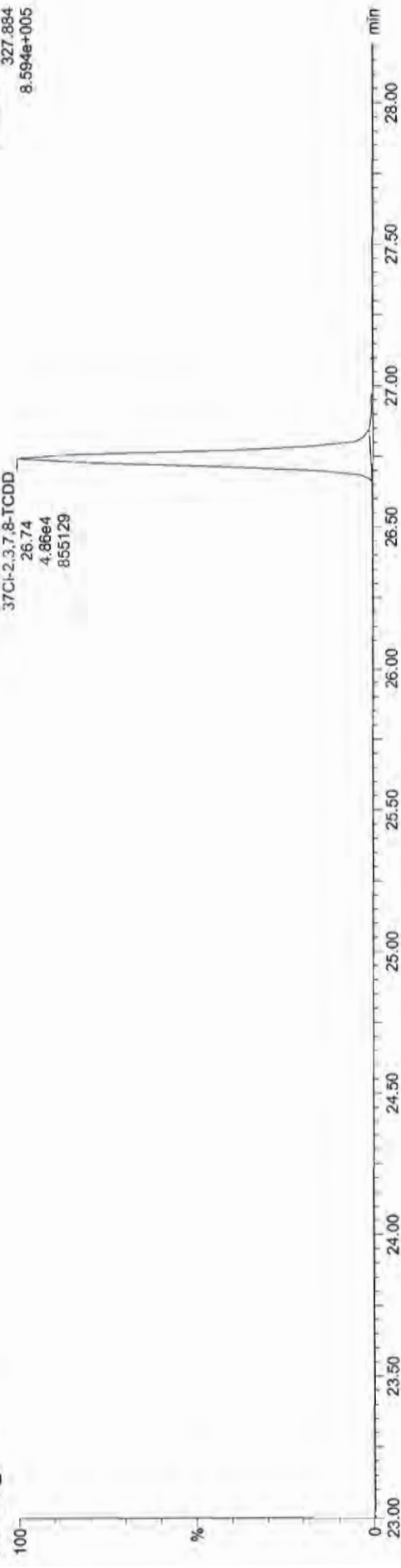
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37Cl-2,3,7,8-TCDD

230602R1_7



13C-1,2,3,4-TCDD

230602R1_7



230602R1_7



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Name: 230602R1_7, Date: 02-Jun-2023, Time: 15:22:06, ID: SS230602R1_1 1613 SSS 21G0806, Description: 1613 SSS 21G0806

1,2,3,7,8-PeCDD

230602R1_7



230602R1_7

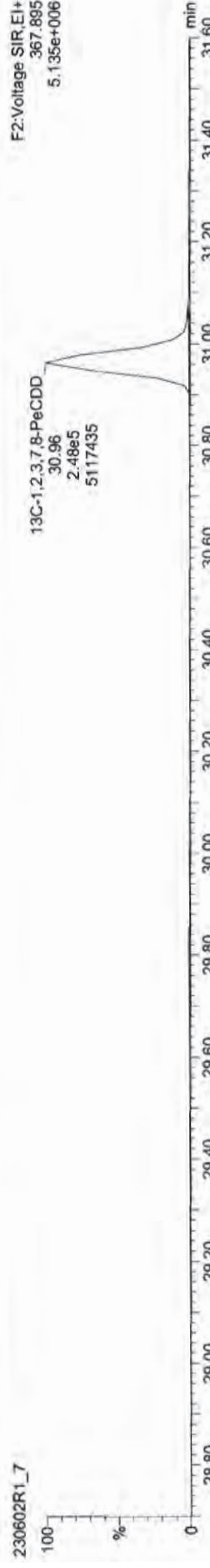


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230602R1_7



230602R1_7

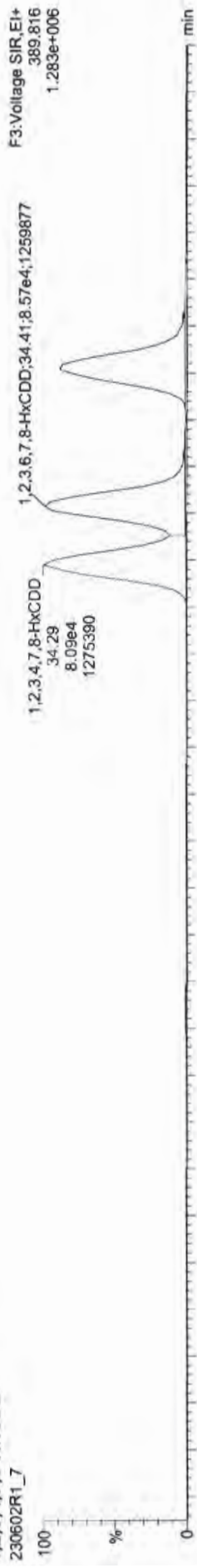


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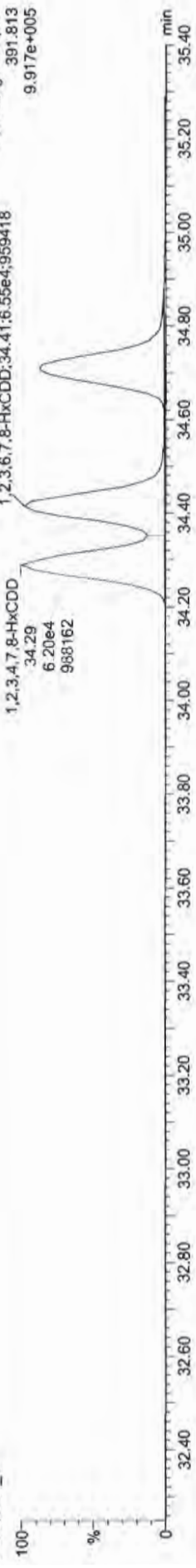
Last Altered: Saturday, June 03, 2023 9:38:17 AM Pacific Daylight Time
Printed: Saturday, June 03, 2023 9:38:59 AM Pacific Daylight Time

Name: 230602R1_7, Date: 02-Jun-2023, Time: 15:22:06, ID: SS230602R1_1 1613 SSS 21G0806, Description: 1613 SSS 21G0806

1,2,3,4,7,8-HxCDD



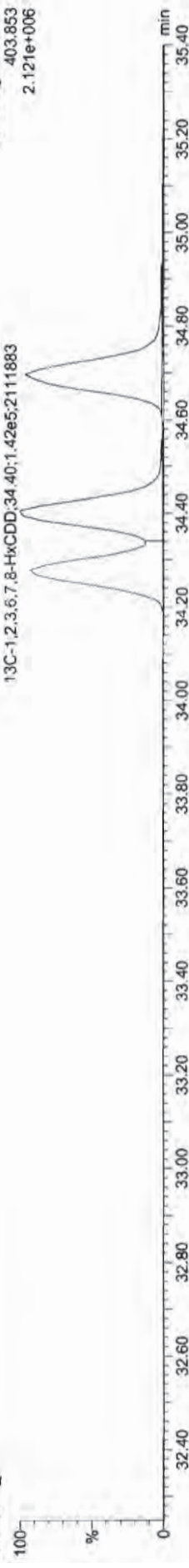
13C-1,2,3,4,7,8-HxCDD



13C-1,2,3,4,7,8-HxCDD

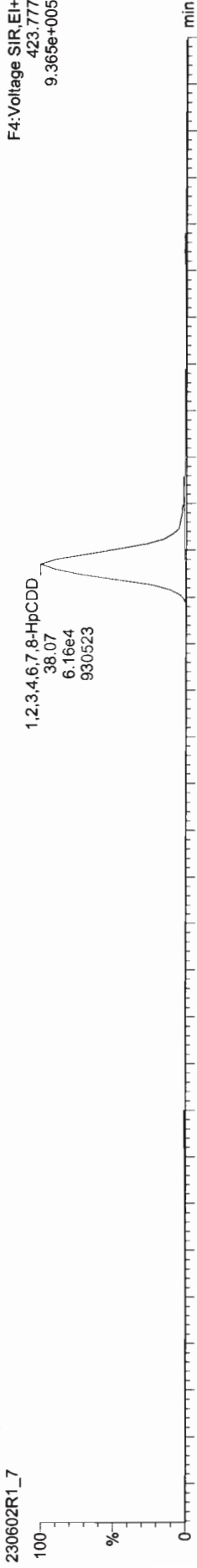


13C-1,2,3,4,7,8-HxCDD

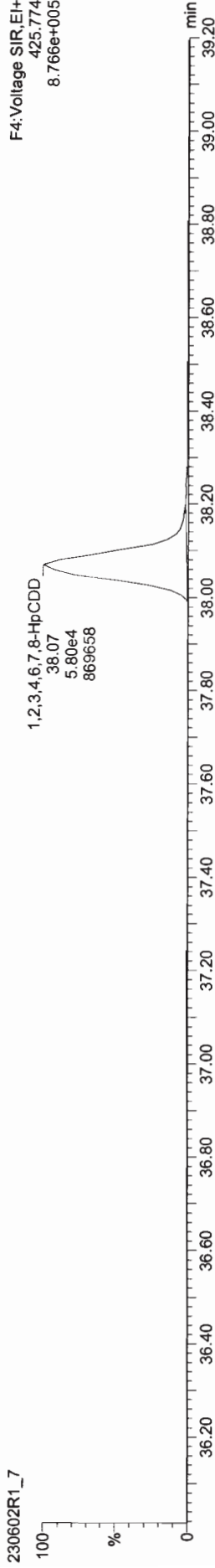


Name: 230602R1_7, Date: 02-Jun-2023, Time: 15:22:06, ID: SS230602R1_1 1613 SSS 21G0806, Description: 1613 SSS 21G0806

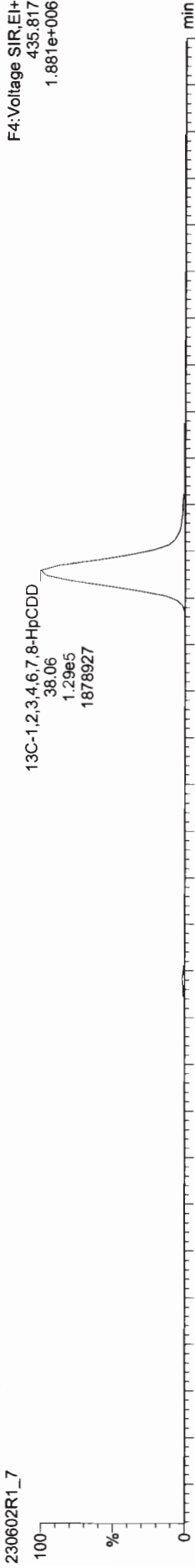
1,2,3,4,6,7,8-HpCDD



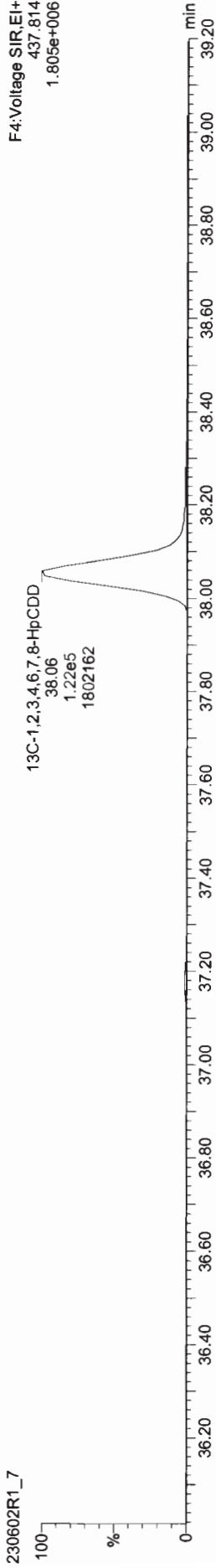
230602R1_7



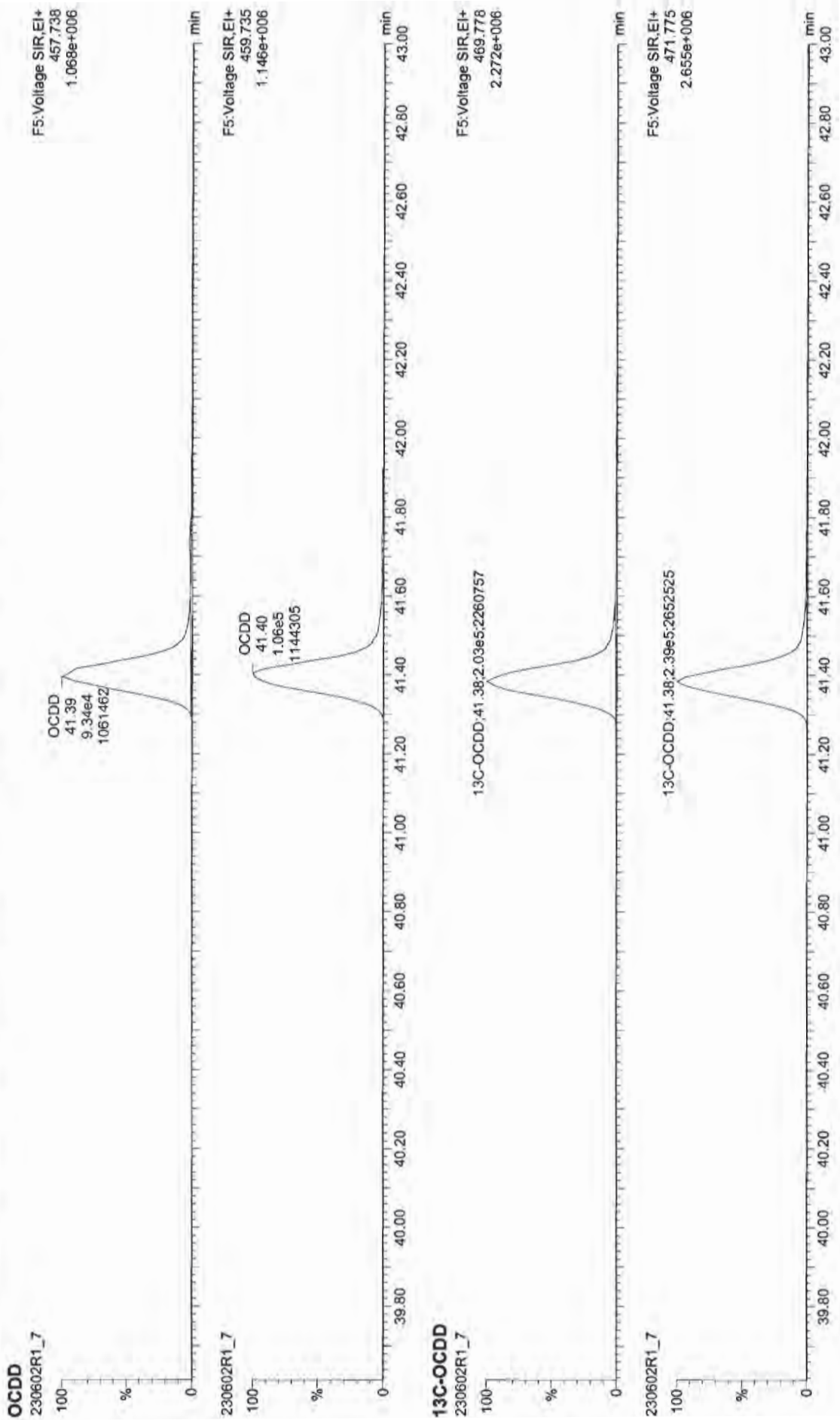
13C-1,2,3,4,6,7,8-HpCDD



230602R1_7



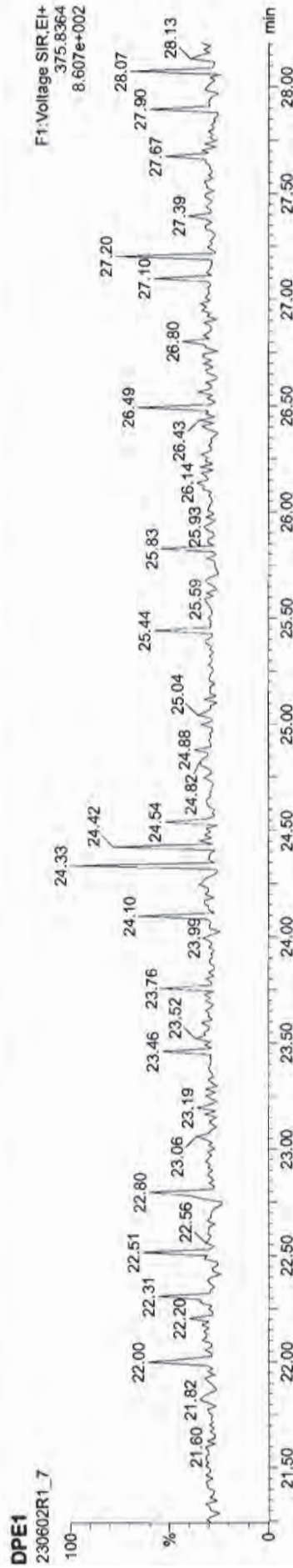
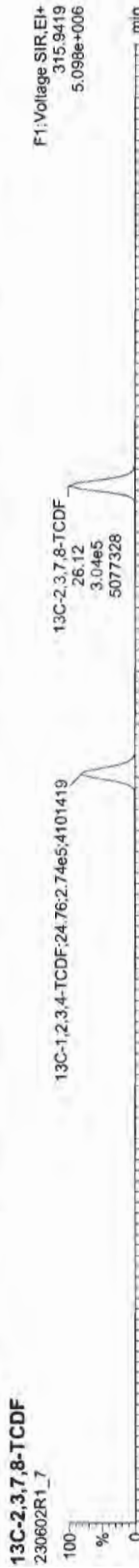
Name: 230602R1_7, Date: 02-Jun-2023, Time: 15:22:06, ID: SS230602R1_1 1613 SSS 21G0806, Description: 1613 SSS 21G0806



Dataset: Untitled

Last Altered: Saturday, June 03, 2023 9:38:17 AM Pacific Daylight Time
Printed: Saturday, June 03, 2023 9:38:59 AM Pacific Daylight Time

Name: 230602R1_7, Date: 02-Jun-2023, Time: 15:22:06, ID: SS230602R1_1 1613 SSS 21G0806, Description: 1613 SSS 21G0806

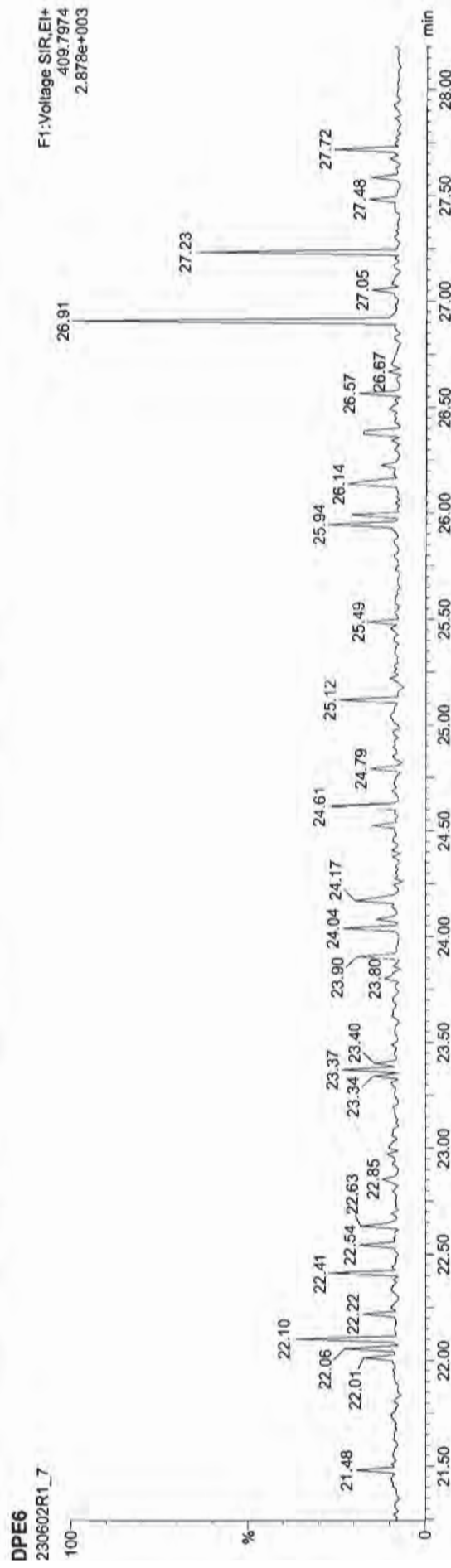
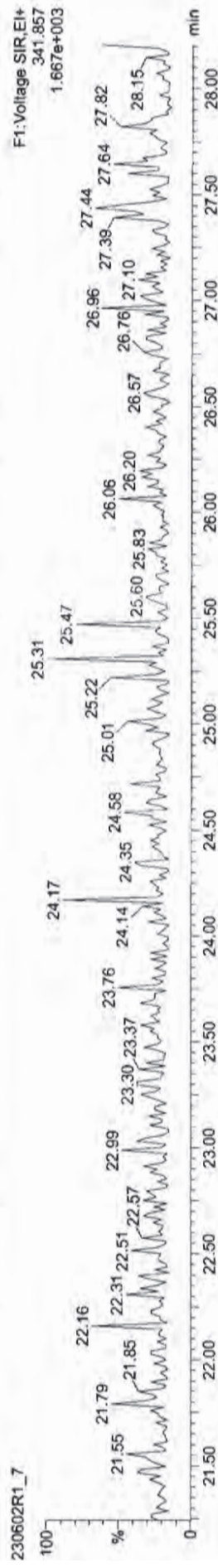
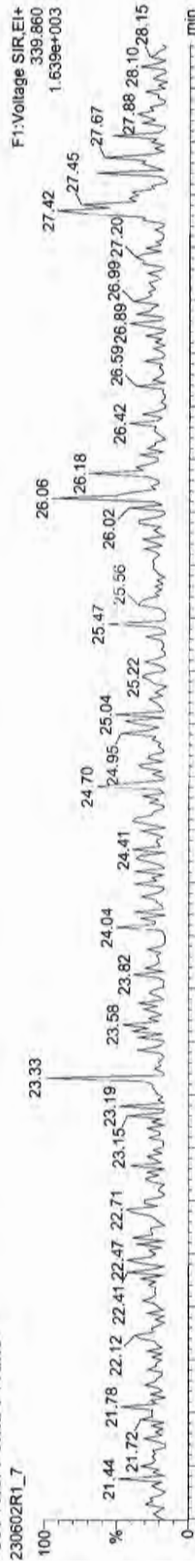


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Last Altered: Saturday, June 03, 2023 9:38:17 AM Pacific Daylight Time
Printed: Saturday, June 03, 2023 9:38:59 AM Pacific Daylight Time

Name: 230602R1_7, Date: 02-Jun-2023, Time: 15:22:06, ID: SS230602R1_1 1613 SSS 21G0806, Description: 1613 SSS 21G0806

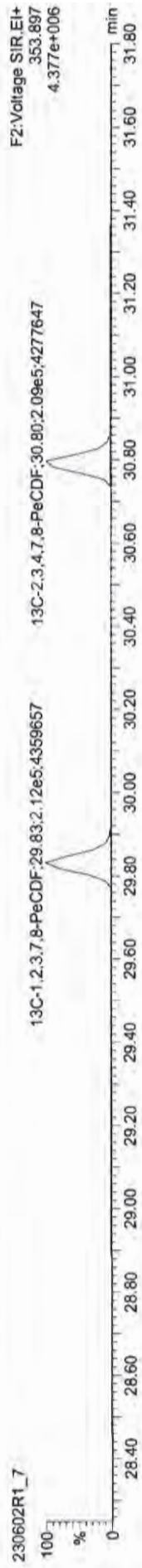
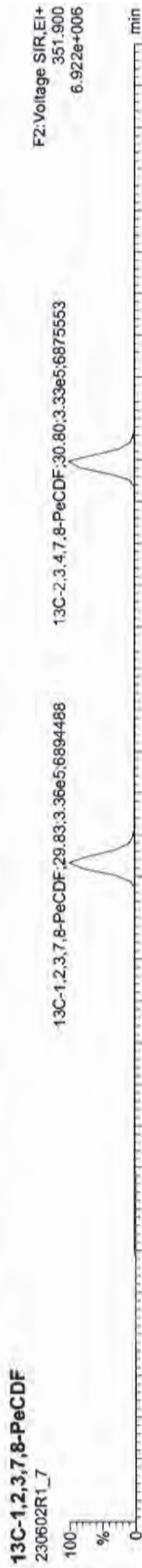
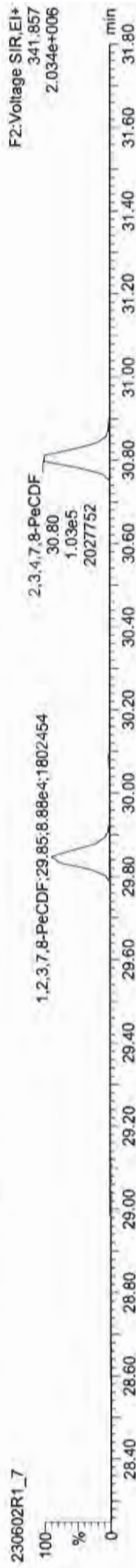
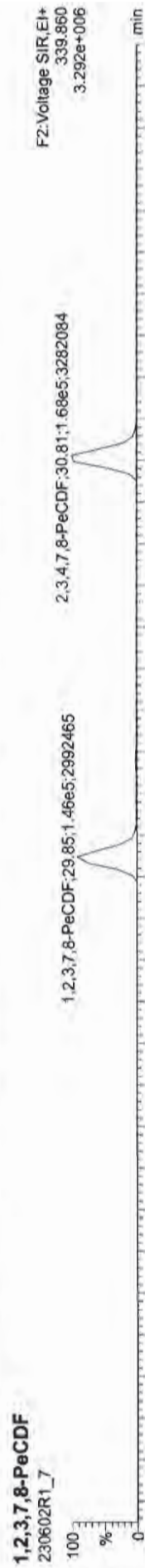
1st Func. Penta-Furans



Dataset: Untitled

Last Altered: Saturday, June 03, 2023 9:38:17 AM Pacific Daylight Time
Printed: Saturday, June 03, 2023 9:38:59 AM Pacific Daylight Time

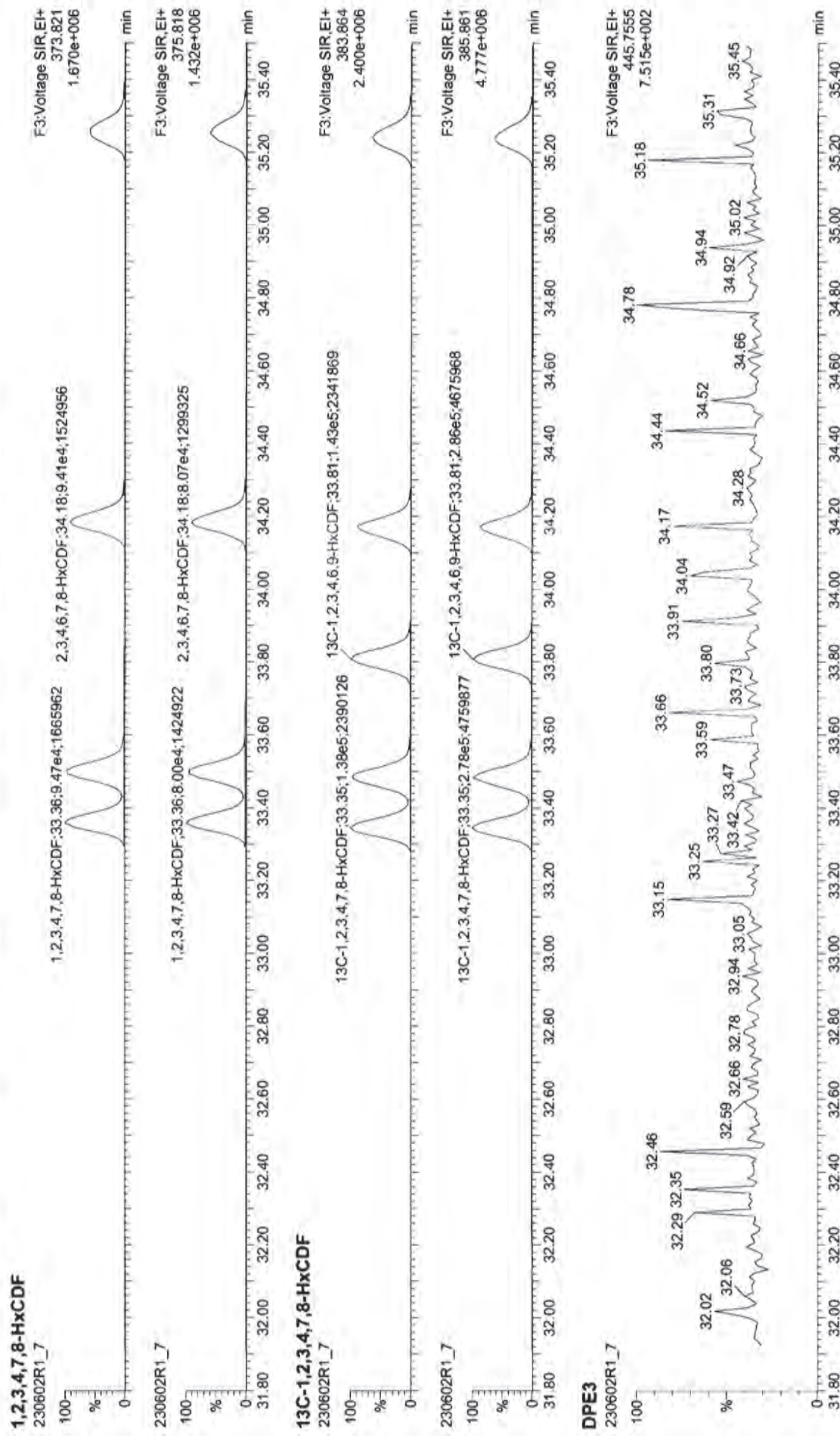
Name: 230602R1_7, Date: 02-Jun-2023, Time: 15:22:06, ID: SS230602R1_1 1613 SSS 21G0806, Description: 1613 SSS 21G0806



Dataset: Untitled

Last Altered: Saturday, June 03, 2023 9:38:17 AM Pacific Daylight Time
Printed: Saturday, June 03, 2023 9:38:59 AM Pacific Daylight Time

Name: 230602R1_7, Date: 02-Jun-2023, Time: 15:22:06, ID: SS230602R1_1 1613 SSS 21G0806, Description: 1613 SSS 21G0806

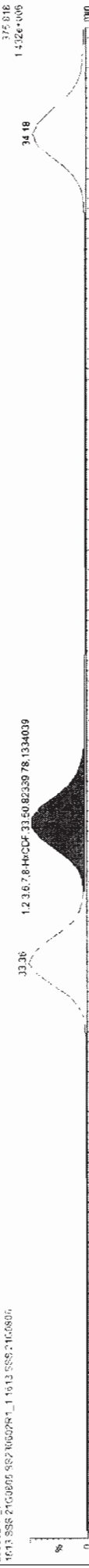


Name	Temp	BA	RF	RF	RT	WVH	Conc	%H	DL	EMPC
1 2,3,7,8-TCDD	4.2e4	0.73	NO	0.91	1.000	26.74	1.001	5.46	94.8	0.0289
2 1,2,3,7,8-PeCDD	1.6e4	0.61	NO	0.74	1.000	30.95	1.000	5.46	109	0.0030
3 1,2,3,4,7,8-PeCDD	1.4e4	1.31	NO	0.84	1.000	34.29	1.000	58.9	118	0.165
4 1,2,3,6,7,8-PeCDD	1.4e4	1.33	NO	0.76	1.000	34.41	1.000	59.4	119	0.162
5 1,2,3,7,8-HxCDD	1.4e4	1.29	NO	0.76	1.000	34.71	1.000	55.7	111	0.171
6 1,2,3,4,6,7,8-HxCDD	1.2e4	1.06	NO	0.90	1.000	36.07	1.000	52.7	105	0.220
7 OCDD	1.9e4	0.86	NO	0.76	1.000	41.39	1.000	115	115	0.312
8 2,3,7,8-TCDF	5.4e4	0.74	NO	0.85	1.000	26.14	1.001	5.09	90.9	0.0255
9 1,2,3,7,8-PeCDF	2.3e4	1.64	NO	0.76	1.000	29.65	1.001	56.5	113	0.0784
10 2,3,4,7,8-PeCDF	2.7e4	1.63	NO	0.83	1.000	30.81	1.000	59.4	119	0.0716
11 1,2,3,4,7,8-HxCDF	1.7e4	1.18	NO	0.76	1.000	33.36	1.000	55.2	110	0.147
12 1,2,3,6,7,8-HxCDF	1.8e4	1.22	NO	0.73	1.000	33.50	1.001	59.3	118	0.161
13 2,3,4,6,7,8-HxCDF	1.7e4	1.17	NO	0.76	1.000	34.18	1.000	58.0	120	0.166
14 1,2,3,7,8,9-HxCDF	1.4e4	1.16	NO	0.75	1.000	35.26	1.001	56.7	113	0.230
15 1,2,3,4,6,7,8-HxCDF	1.2e4	0.99	NO	0.75	1.000	36.87	1.000	59.3	119	0.203
16 1,2,3,4,7,8,9-HxCDF	1.0e4	1.01	NO	0.79	1.000	38.77	1.000	54.0	108	0.240
17 OCDF	2.1e4	0.85	NO	0.67	1.000	41.76	1.000	106	106	0.256
18 1,3C,2,3,7,8-TCDF	4.9e4	0.78	NO	1.13	1.000	26.73	1.026	94.1	84.1	0.131
19 1,3C,1,2,3,7,8-PeCDF	3.9e4	0.61	NO	0.87	1.000	30.96	1.169	96.2	96.2	0.125

230602R1_7
1613 SSS 21G0806 SS230602R1_1 1613 SSS 21G0806



230602R1_7
1613 SSS 21G0805 SS230602R1_1 1613 SSS 21G0805



230602R1_7
1613 SSS 21G0805 SS230602R1_1 1613 SSS 21G0806



230602R1_7
1613 SSS 21G0805 SS230602R1_1 1613 SSS 21G0806

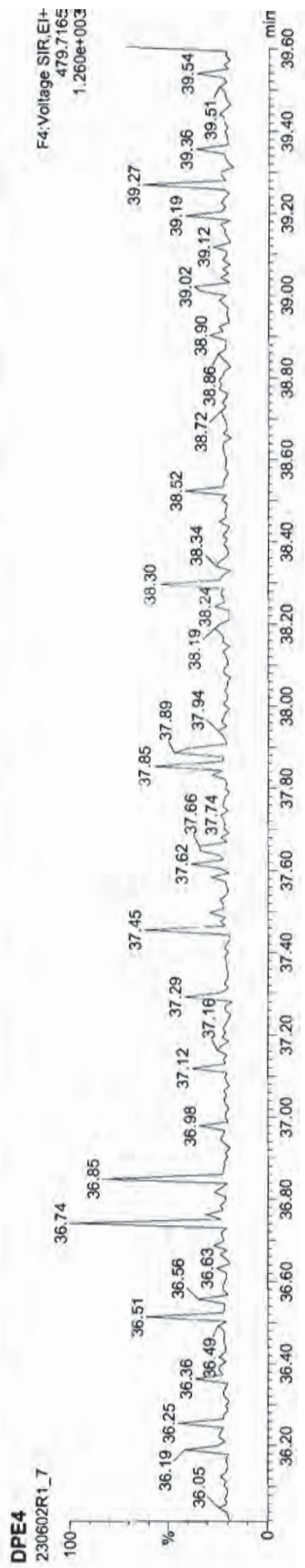
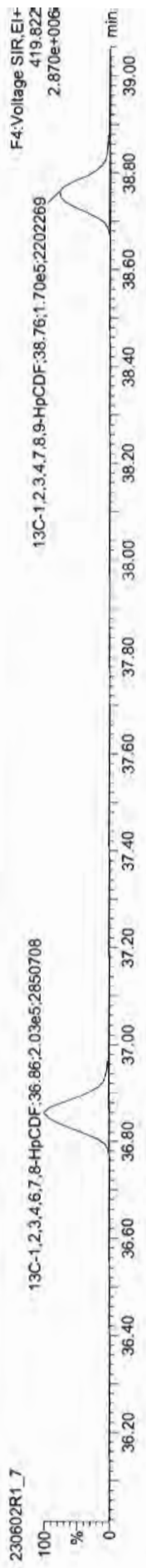
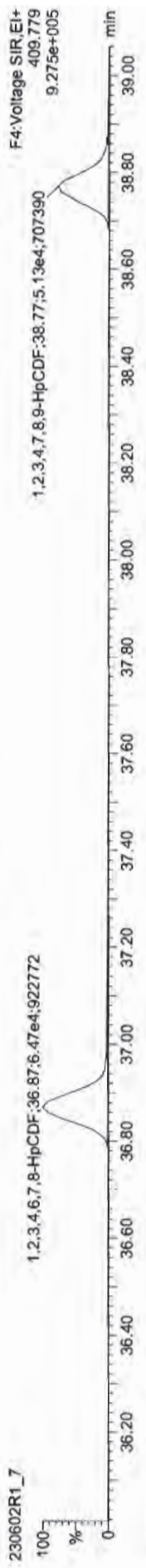


Dataset: Untitled

Last Altered: Saturday, June 03, 2023 9:38:17 AM Pacific Daylight Time

Printed: Saturday, June 03, 2023 9:38:59 AM Pacific Daylight Time

Name: 230602R1_7, Date: 02-Jun-2023, Time: 15:22:06, ID: SS230602R1_1 1613 SSS 21G0806, Description: 1613 SSS 21G0806



Dataset: Untitled

Last Altered: Saturday, June 03, 2023 9:38:17 AM Pacific Daylight Time
Printed: Saturday, June 03, 2023 9:38:59 AM Pacific Daylight Time

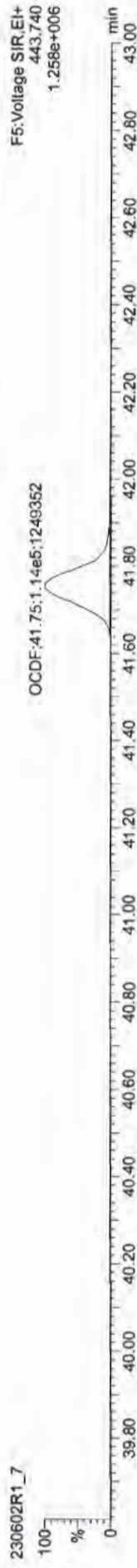
Name: 230602R1_7, Date: 02-Jun-2023, Time: 15:22:06, ID: SS230602R1_1 1613 SSS 21G0806, Description: 1613 SSS 21G0806

OCDF

230602R1_7



230602R1_7

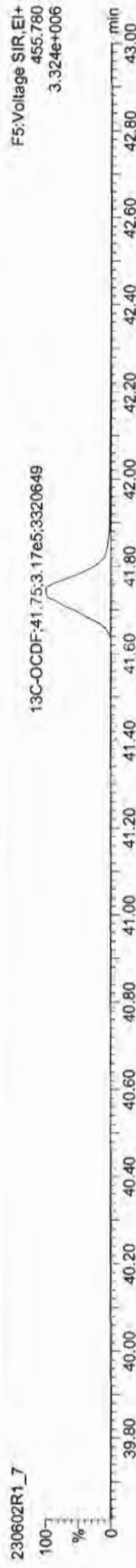


13C-OCDF

230602R1_7



230602R1_7



DPE5

230602R1_7

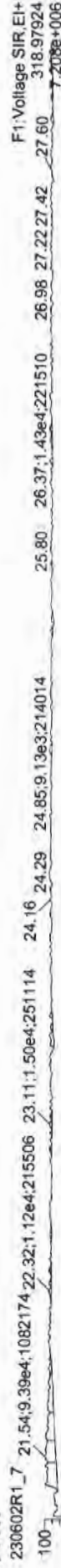


Dataset: Untitled

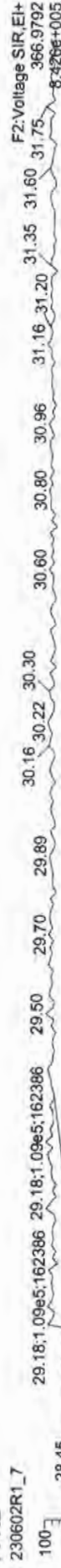
Last Altered: Saturday, June 03, 2023 9:38:17 AM Pacific Daylight Time
Printed: Saturday, June 03, 2023 9:38:59 AM Pacific Daylight Time

Name: 230602R1_7, Date: 02-Jun-2023, Time: 15:22:06, ID: SS230602R1_1 1613 SSS 21G0806, Description: 1613 SSS 21G0806

PFK1



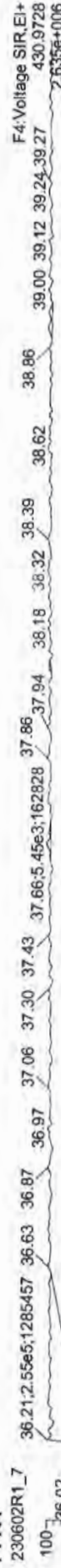
PFK2



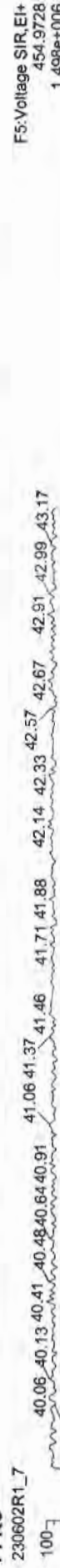
PFK3



PFK4



PFK5



Dataset: I:\VG12.PRO\Results\230602R2\230602R2-3.qld

Last Altered: Saturday, June 03, 2023 10:23:30 AM Pacific Daylight Time
Printed: Saturday, June 03, 2023 10:23:52 AM Pacific Daylight Time

1XAL 6.3.2023
ATM 06/05/23

Method: C:\MassLynx\DEFAULT.PRO\MethDB\1613rrt-6-1-23.mdb 01 Jun 2023 15:09:04

Calibration: C:\MassLynx\DEFAULT.PRO\CurveDB\DIOLIN_1613vg12-6-02-23.cdb 03 Jun 2023 08:46:31

Name: 230602R2_3, Date: 03-Jun-2023, Time: 08:28:39, ID: ST230602R2_2 1613 CS3 23E1003, Description: 1613 CS3 23E1003

#	Name	Resp	IS Resp	RA	n/y	RRF	Pred.RT	RT	RT Flag	Pred.RRT	RRT	Conc.	%Rec	STD out
1	1,2,3,7,8-TCDD	7.64e4	8.18e5	0.75	NO	0.906	26.76	26.74	NO	1.001	1.001	10.310	103	NO
2	2,1,2,3,7,8-PeCDD	2.60e5	6.14e5	0.61	NO	0.745	31.00	30.99	NO	1.001	1.000	56.860	114	NO
3	3,1,2,3,4,7,8-HxCDD	2.48e5	5.51e5	1.31	NO	0.837	34.30	34.31	NO	1.000	1.001	53.895	108	NO
4	4,1,2,3,6,7,8-HxCDD	2.43e5	5.73e5	1.29	NO	0.782	34.44	34.44	NO	1.001	1.001	54.220	108	NO
5	5,1,2,3,7,8,9-HxCDD	2.49e5	5.86e5	1.30	NO	0.780	34.73	34.73	NO	1.001	1.001	54.557	109	NO
6	6,1,2,3,4,6,7,8-HpCDD	2.16e5	4.37e5	1.04	NO	0.903	38.08	38.09	NO	1.000	1.001	54.587	109	NO
7	7 OCDD	3.62e5	8.42e5	0.91	NO	0.782	41.45	41.44	NO	1.000	1.000	109.98	110	NO
8	8,2,3,7,8-TCDF	8.72e4	9.69e5	0.74	NO	0.852	26.15	26.15	NO	1.000	1.001	10.568	106	NO
9	9,1,2,3,7,8-PeCDF	3.73e5	8.84e5	1.66	NO	0.758	29.87	29.85	NO	1.001	1.000	55.702	111	NO
10	10,2,3,4,7,8-HxCDF	4.12e5	8.71e5	1.63	NO	0.834	30.82	30.81	NO	1.001	1.000	56.739	113	NO
11	11,1,2,3,4,7,8-HxCDF	2.93e5	6.86e5	1.18	NO	0.762	33.37	33.38	NO	1.000	1.001	55.956	112	NO
12	12,1,2,3,6,7,8-HxCDF	2.99e5	7.45e5	1.19	NO	0.726	33.51	33.51	NO	1.001	1.001	55.275	111	NO
13	13,2,3,4,6,7,8-HxCDF	2.81e5	6.74e5	1.19	NO	0.756	34.21	34.19	NO	1.001	1.000	55.084	110	NO
14	14,1,2,3,7,8,9-HxCDF	2.45e5	6.02e5	1.22	NO	0.749	35.27	35.27	NO	1.000	1.000	54.336	109	NO
15	15,1,2,3,4,6,7,8-HpCDF	2.18e5	5.29e5	0.99	NO	0.754	36.90	36.89	NO	1.000	1.000	54.562	109	NO
16	16,1,2,3,4,7,8,9-HpCDF	1.83e5	4.05e5	0.99	NO	0.792	38.79	38.79	NO	1.000	1.000	57.159	114	NO
17	17 OCDF	3.92e5	1.04e6	0.85	NO	0.669	41.78	41.78	NO	1.000	1.000	112.91	113	NO
18	18,13C-2,3,7,8-TCDD	8.18e5	7.36e5	0.78	NO	1.13	26.73	26.73	NO	1.026	1.026	98.776	98.8	NO
19	19,13C-1,2,3,7,8-PeCDD	6.14e5	7.36e5	0.63	NO	0.869	30.69	30.98	NO	1.178	1.189	95.971	96.0	NO
20	20,13C-1,2,3,4,7,8-HxCDD	5.51e5	7.17e5	1.28	NO	0.746	34.27	34.29	NO	1.013	1.014	102.89	103	NO
21	21,13C-1,2,3,6,7,8-HxCDD	5.73e5	7.17e5	1.24	NO	0.803	34.42	34.41	NO	1.018	1.018	99.553	99.6	NO
22	22,13C-1,2,3,7,8,9-HxCDD	5.86e5	7.17e5	1.24	NO	0.817	34.71	34.71	NO	1.026	1.026	100.05	100	NO
23	23,13C-1,2,3,4,6,7,8-HpCDD	4.37e5	7.17e5	1.04	NO	0.611	38.06	38.07	NO	1.125	1.126	99.773	99.8	NO
24	24,13C-OCDD	8.42e5	7.17e5	0.86	NO	0.545	41.37	41.43	NO	1.223	1.225	215.24	108	NO
25	25,13C-2,3,7,8-TCDF	9.69e5	9.95e5	0.79	NO	1.07	26.14	26.14	NO	1.003	1.003	90.745	90.7	NO
26	26,13C-1,2,3,7,8-PeCDF	8.84e5	9.95e5	1.58	NO	0.907	29.83	29.85	NO	1.145	1.145	97.949	97.9	NO
27	27,13C-2,3,4,7,8-PeCDF	8.71e5	9.95e5	1.56	NO	0.889	30.79	30.80	NO	1.181	1.182	98.480	98.5	NO
28	28,13C-1,2,3,4,7,8-HxCDF	6.86e5	7.17e5	0.50	NO	0.993	33.37	33.36	NO	0.987	0.986	96.281	96.3	NO
29	29,13C-1,2,3,6,7,8-HxCDF	7.45e5	7.17e5	0.51	NO	1.05	33.50	33.49	NO	0.990	0.990	98.590	98.6	NO
30	30,13C-2,3,4,6,7,8-HpCDF	6.74e5	7.17e5	0.50	NO	0.956	34.17	34.18	NO	1.010	1.011	98.231	98.2	NO
31	31,13C-1,2,3,7,8,9-HxCDF	6.02e5	7.17e5	0.51	NO	0.853	35.24	35.26	NO	1.042	1.043	98.388	98.4	NO

Dataset: I:\VG12.PRO\Results\230602R2\230602R2-3.qld

Last Altered: Saturday, June 03, 2023 10:23:30 AM Pacific Daylight Time
Printed: Saturday, June 03, 2023 10:23:52 AM Pacific Daylight Time

Name: 230602R2_3, Date: 03-Jun-2023, Time: 08:28:39, ID: ST230602R2_2 1613 CS3 23E1003, Description: 1613 CS3 23E1003

#	Name	Resp	IS Resp	RA	n/y	RRF	Pred.RT	RT	RT Flag	Pred.RRT	RRT	Conc.	%Rec	STD out
32	13C-1,2,3,4,6,7,8-HpCDF	5.29e5	7.17e5	0.42	NO	0.721	36.85	36.88	NO	1.090	1.091	102.28	102	NO
33	13C-1,2,3,4,7,8,9-HpCDF	4.05e5	7.17e5	0.42	NO	0.581	38.75	38.78	NO	1.146	1.147	97.103	97.1	NO
34	13C-OCDF	1.04e6	7.17e5	0.90	NO	0.718	41.76	41.77	NO	1.235	1.235	201.23	101	NO
35	37Cl-2,3,7,8-TCDD	7.19e4	7.36e5			0.980	26.74	26.74	NO	1.026	1.026	9.9742	99.7	NO
36	13C-1,2,3,4-TCDD	7.36e5	7.36e5	0.77	NO	1.00	26.11	26.06	NO	1.000	1.000	100.00	100	NO
37	13C-1,2,3,4-TCDF	9.95e5	9.95e5	0.78	NO	1.00	24.81	24.78	NO	1.000	1.000	100.00	100	NO
38	13C-1,2,3,4,6,9-HxCDF	7.17e5	7.17e5	0.51	NO	1.00	33.84	33.82	NO	1.000	1.000	100.00	100	YES

Dataset: Untitled

Last Altered: Saturday, June 03, 2023 10:25:18 AM Pacific Daylight Time
Printed: Saturday, June 03, 2023 10:25:33 AM Pacific Daylight Time

Method: C:\MassLynx\DEFAULT.PRO\MethDB\CPISM.mdb 24 May 2023 17:45:01

Calibration: C:\MassLynx\DEFAULT.PRO\CurveDB\IDB\IOXIN_1613vg12-6-02-23.cdb 03 Jun 2023 08:46:31 ✓

Name: 230602R2_3, Date: 03-Jun-2023, Time: 08:28:39, ID: ST230602R2_2 1613 CS3 23E1003, Description: 1613 CS3 23E1003

#	Name	RT
1	1,3,6,8-TCDD (First)	23.46
2	1,2,8,9-TCDD (Last)	27.54
3	1,2,4,7,9-PeCDD (First)	28.91
4	1,2,3,8,9-PeCDD (Last)	31.32
5	1,2,4,6,7,9-HxCDD (First)	32.60
6	1,2,3,7,8,9-HxCDD (Last)	34.73
7	1,2,3,4,6,7,9-HpCDD (First)	37.21
8	1,2,3,4,6,7,8-HpCDD (Last)	38.09
9	1,3,6,8-TCDF (First)	21.42
10	1,2,8,9-TCDF (Last)	27.84
11	1,3,4,6,8-PeCDF (First)	27.44
12	1,2,3,8,9-PeCDF (Last)	31.67
13	1,2,3,4,6,8-HxCDF (First)	32.07
14	1,2,3,7,8,9-HxCDF (Last)	35.27
15	1,2,3,4,6,7,8-HpCDF (First)	36.89
16	1,2,3,4,7,8,9-HpCDF (Last)	38.79

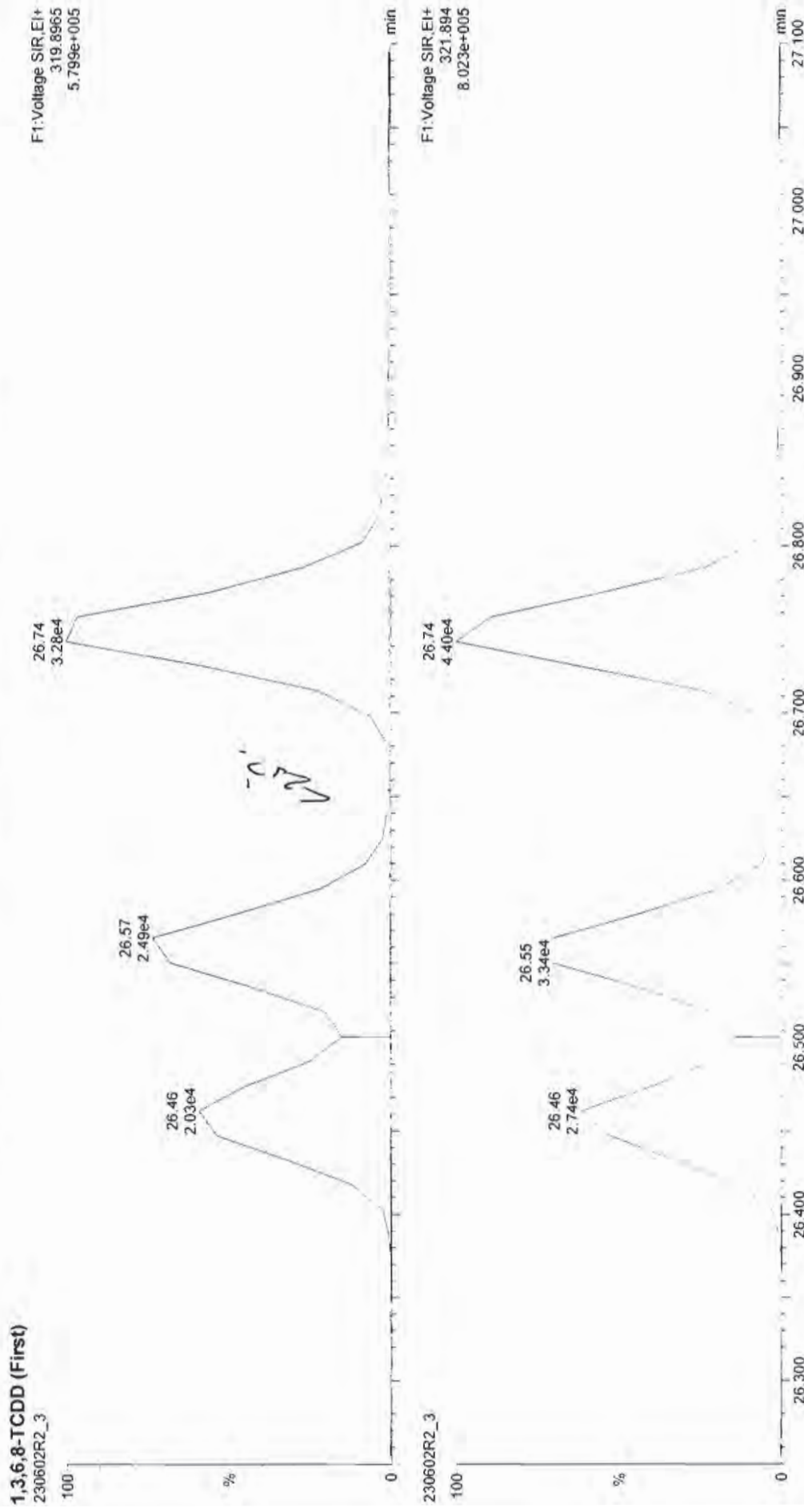
Quantify Sample Report
Enthalpy Analytical EDH VG-12

Dataset: Untitled

Last Altered: Saturday, June 03, 2023 10:25:18 AM Pacific Daylight Time
Printed: Saturday, June 03, 2023 10:25:33 AM Pacific Daylight Time

Method: C:\MassLynx\DEFAULT.PRO\MethDB\CPSM.mdb 24 May 2023 17:45:01
Calibration: C:\MassLynx\DEFAULT.PRO\CurveDB\BDDIOXIN_1613vg12-6-02-23.cdb 03 Jun 2023 08:46:31

Name: 230602R2_3, Date: 03-Jun-2023, Time: 08:28:39, ID: ST230602R2_2 1613 CS3 23E1003, Description: 1613 CS3 23E1003



Quantify Sample Report
Enthalpy Analytical EDH VG-12

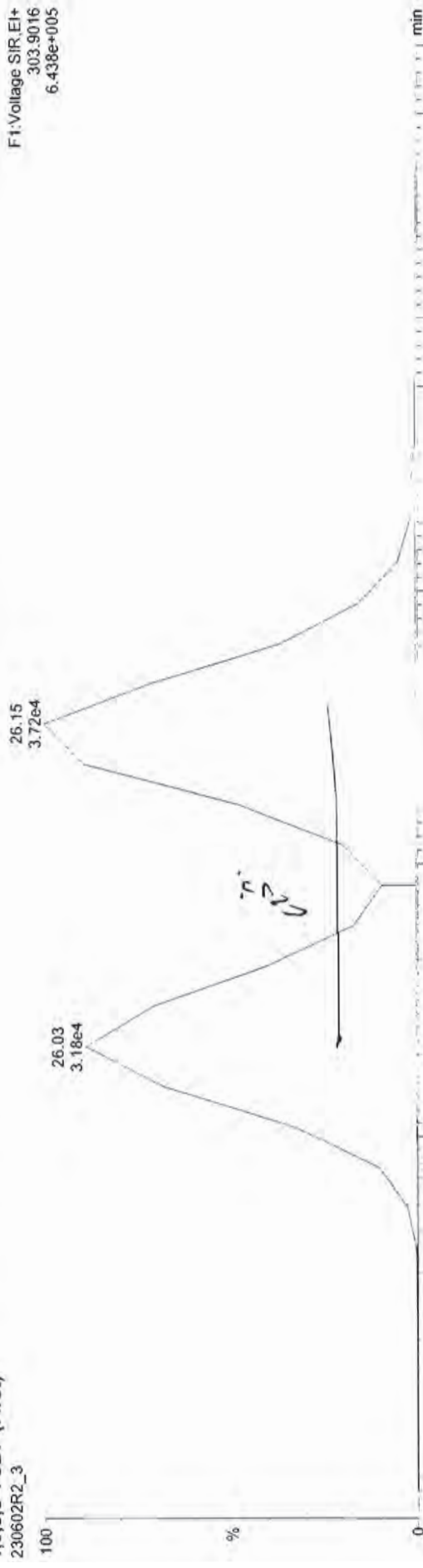
MassLynx 4.1 SCN815

Dataset: Untitled

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Printed: Saturday, June 03, 2023 10:25:33 AM Pacific Daylight Time

Name: 230602R2_3, Date: 03-Jun-2023, Time: 08:28:39, ID: ST230602R2_2 1613 CS3 23E1003, Description: 1613 CS3 23E1003

1,3,6,8-TCDF (First)

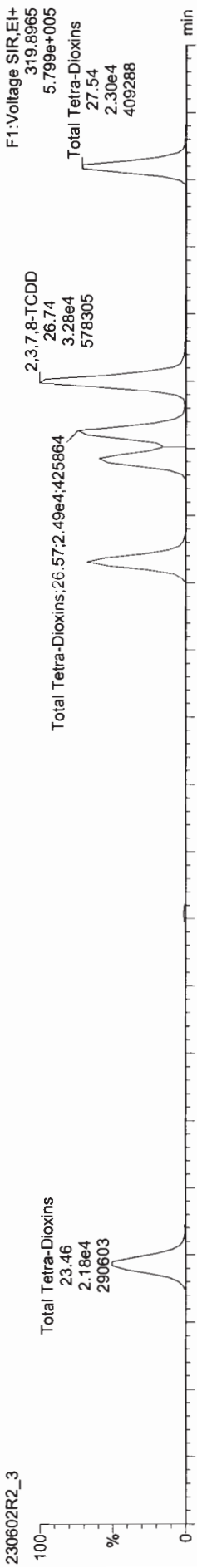


Dataset: Untitled

Last Altered: Saturday, June 03, 2023 9:38:17 AM Pacific Daylight Time
Printed: Saturday, June 03, 2023 9:38:59 AM Pacific Daylight Time

Name: 230602R2_3, Date: 03-Jun-2023, Time: 08:28:39, ID: ST230602R2_2 1613 CS3 23E1003, Description: 1613 CS3 23E1003

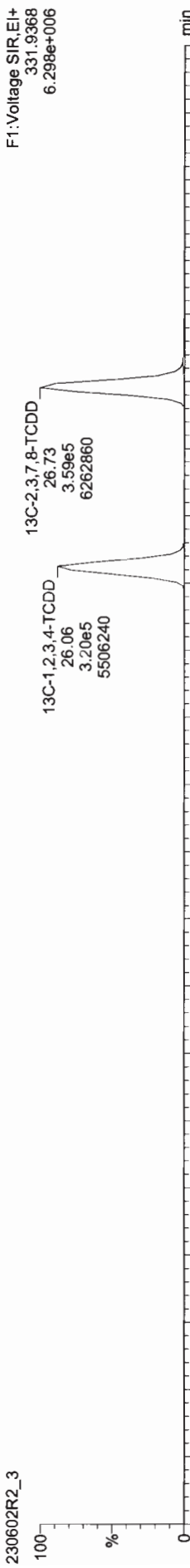
2,3,7,8-TCDD



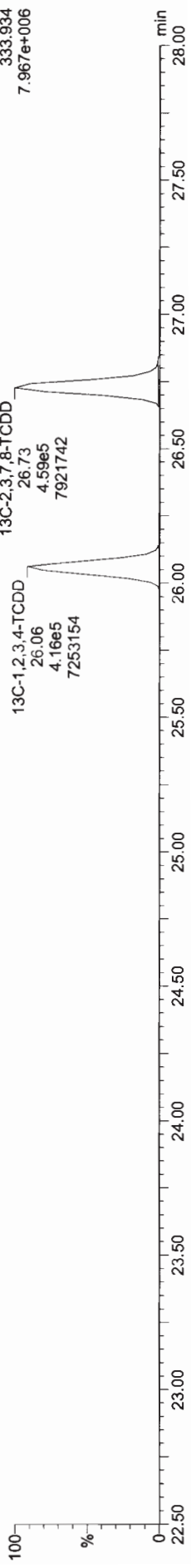
230602R2_3



13C-2,3,7,8-TCDD



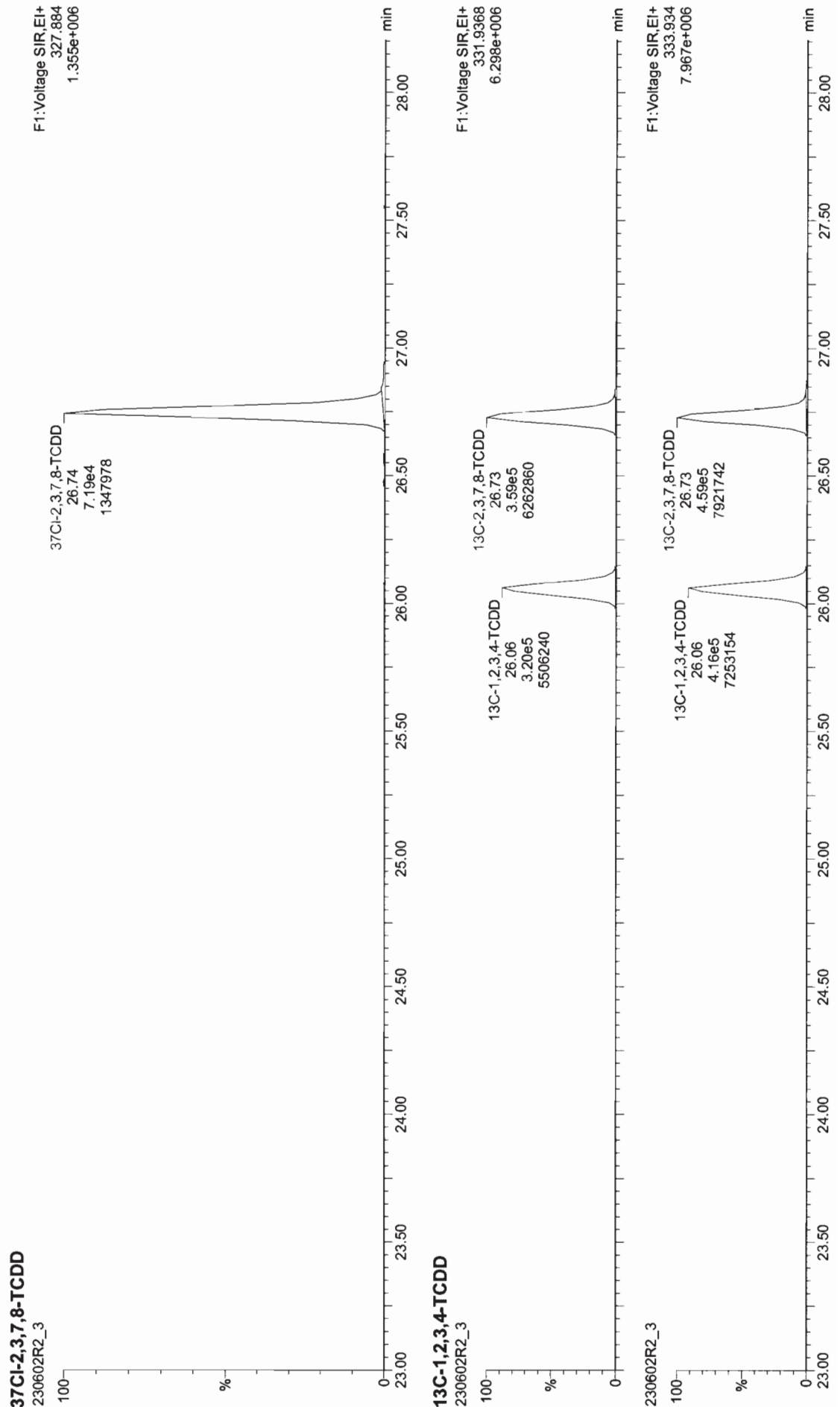
230602R2_3



Dataset: Untitled

Last Altered: Saturday, June 03, 2023 9:38:17 AM Pacific Daylight Time
Printed: Saturday, June 03, 2023 9:38:59 AM Pacific Daylight Time

Name: 230602R2_3, Date: 03-Jun-2023, Time: 08:28:39, ID: ST230602R2_2 1613 CS3 23E1003, Description: 1613 CS3 23E1003

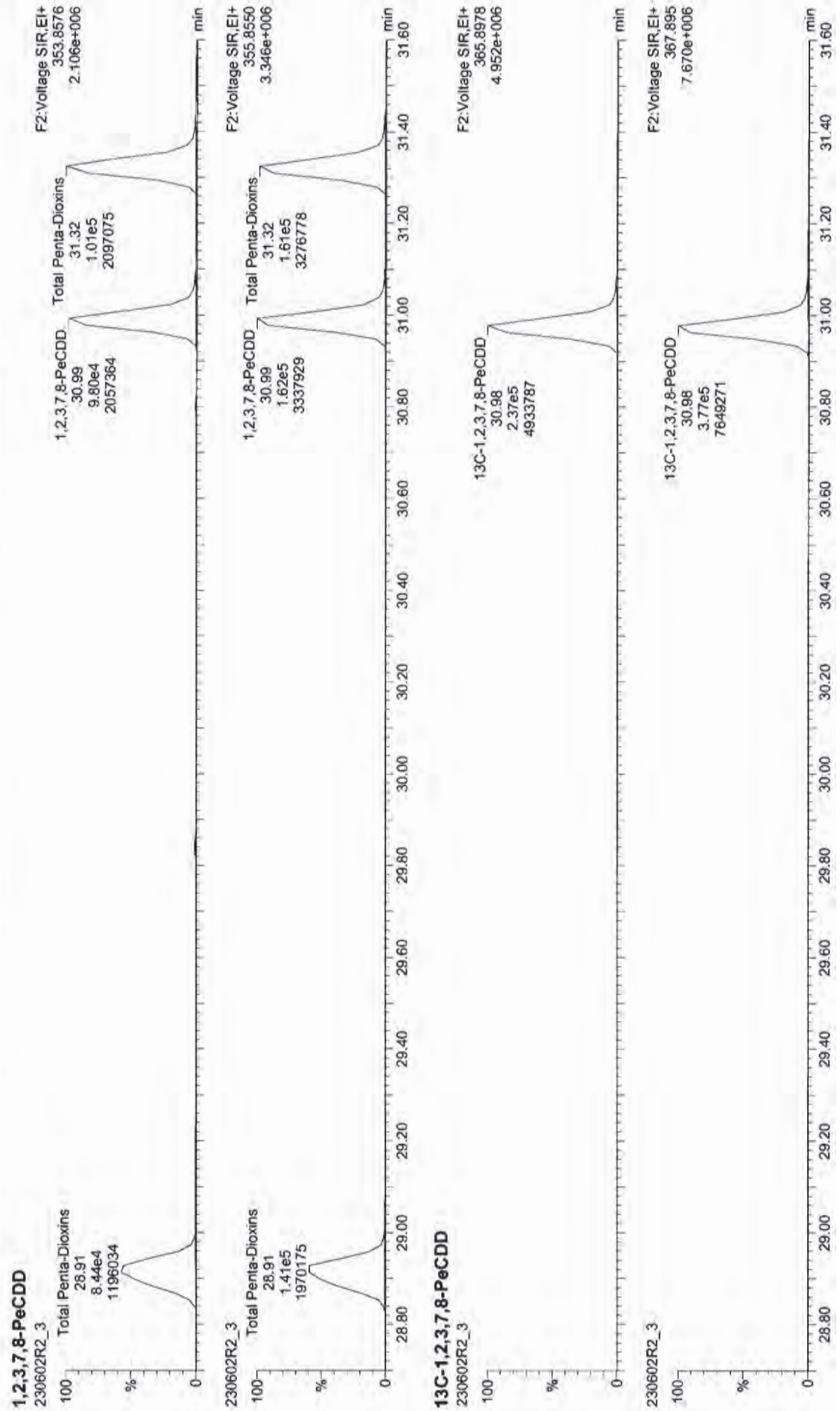


Dataset: Untitled

Last Altered: Saturday, June 03, 2023 9:38:17 AM Pacific Daylight Time

Printed: Saturday, June 03, 2023 9:38:59 AM Pacific Daylight Time

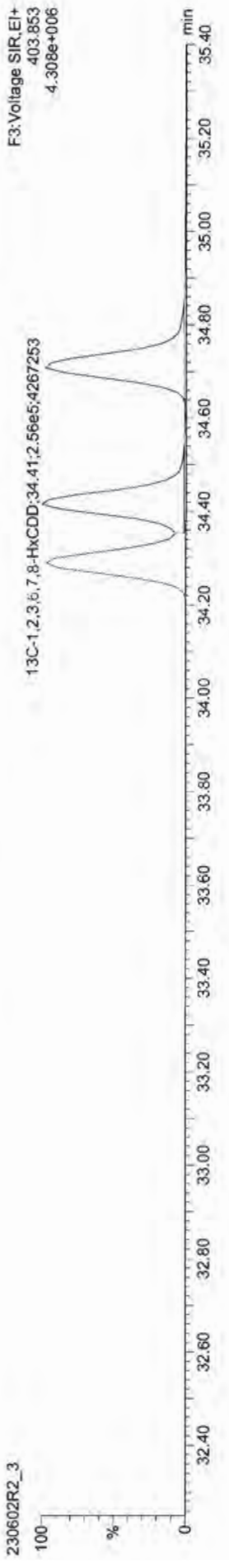
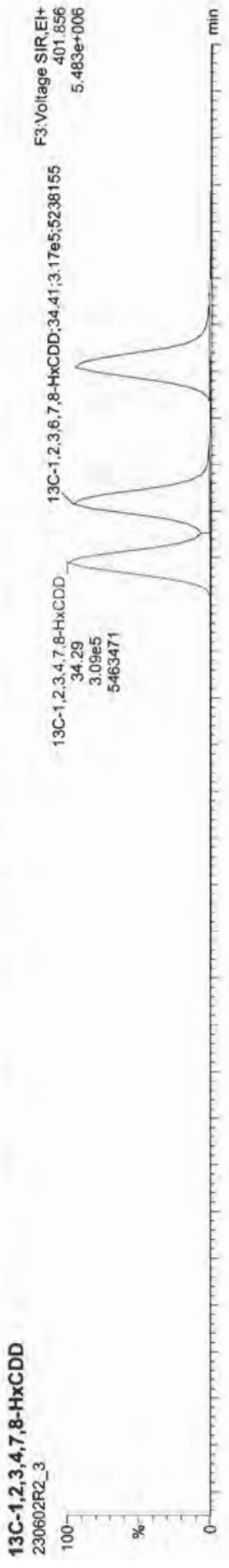
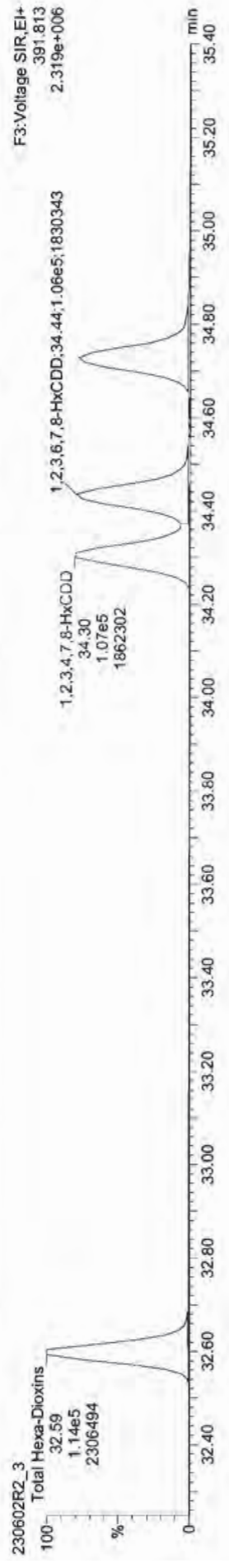
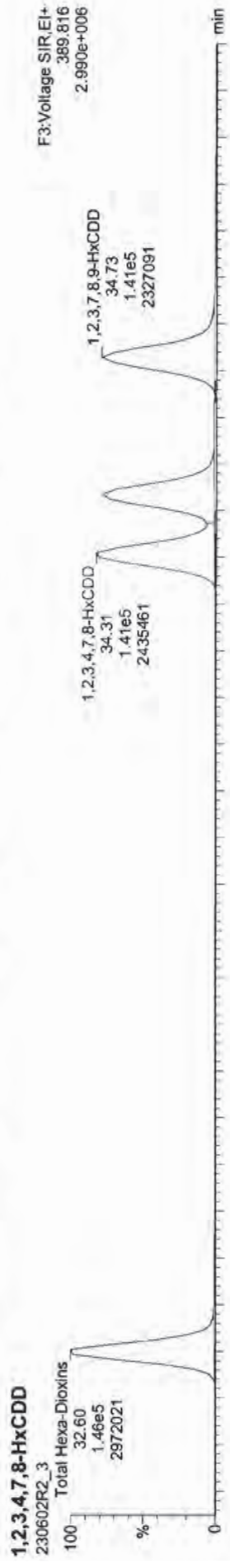
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Dataset: Untitled

Last Altered: Saturday, June 03, 2023 9:38:17 AM Pacific Daylight Time
Printed: Saturday, June 03, 2023 9:38:59 AM Pacific Daylight Time

Name: 230602R2_3, Date: 03-Jun-2023, Time: 08:28:39, ID: ST230602R2_2 1613 CS3 23E1003, Description: 1613 CS3 23E1003

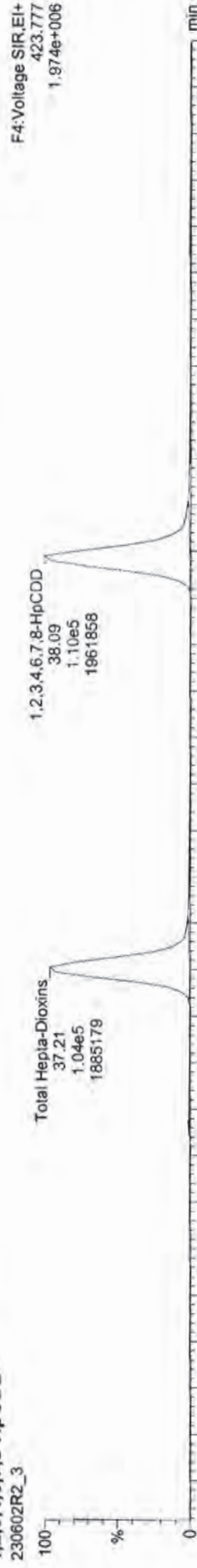


Dataset: Untitled

Last Altered: Saturday, June 03, 2023 9:38:17 AM Pacific Daylight Time
Printed: Saturday, June 03, 2023 9:38:59 AM Pacific Daylight Time

Name: 230602R2_3, Date: 03-Jun-2023, Time: 08:28:39, ID: ST230602R2_2 1613 CS3 23E1003, Description: 1613 CS3 23E1003

1,2,3,4,6,7,8-HpCDD
230602R2_3



230602R2_3



13C-1,2,3,4,6,7,8-HpCDD



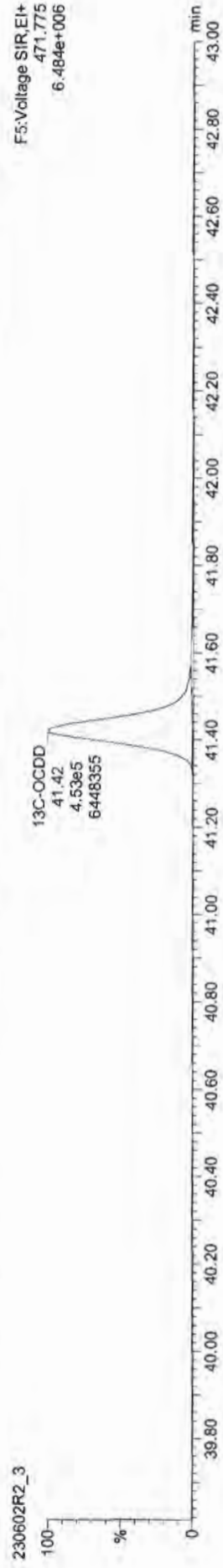
230602R2_3



Dataset: Untitled

Last Altered: Saturday, June 03, 2023 9:38:17 AM Pacific Daylight Time
Printed: Saturday, June 03, 2023 9:38:59 AM Pacific Daylight Time

Name: 230602R2_3, Date: 03-Jun-2023, Time: 08:28:39, ID: ST230602R2_2 1613 CS3 23E1003, Description: 1613 CS3 23E1003



Dataset: Untitled

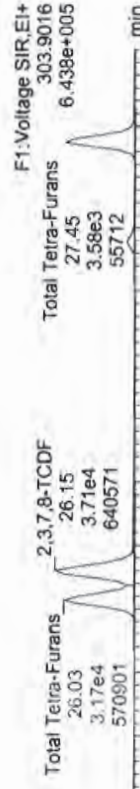
Last Altered: Saturday, June 03, 2023 9:38:17 AM Pacific Daylight Time
Printed: Saturday, June 03, 2023 9:38:59 AM Pacific Daylight Time

Name: 230602R2_3, Date: 03-Jun-2023, Time: 08:28:39, ID: ST230602R2_2 1613 CS3 23E1003, Description: 1613 CS3 23E1003

2,3,7,8-TCDF

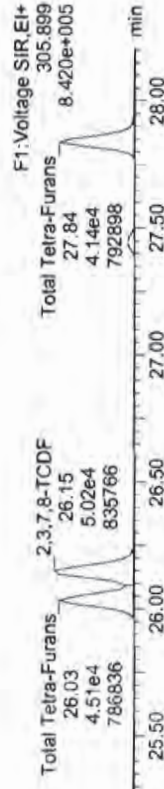
230602R2_3

100
%
0
Total Tetra-Furans: 21.42; 3.15e4; 347496



230602R2_3

100
%
0
Total Tetra-Furans: 21.42; 4.47e4; 505142



13C-2,3,7,8-TCDF

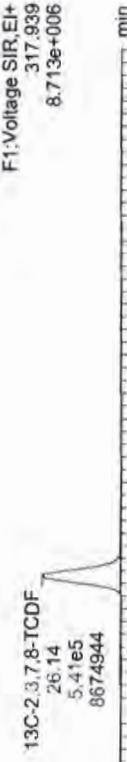
230602R2_3

13C-1,2,3,4-TCDF: 24.78; 4.36e5; 6474820



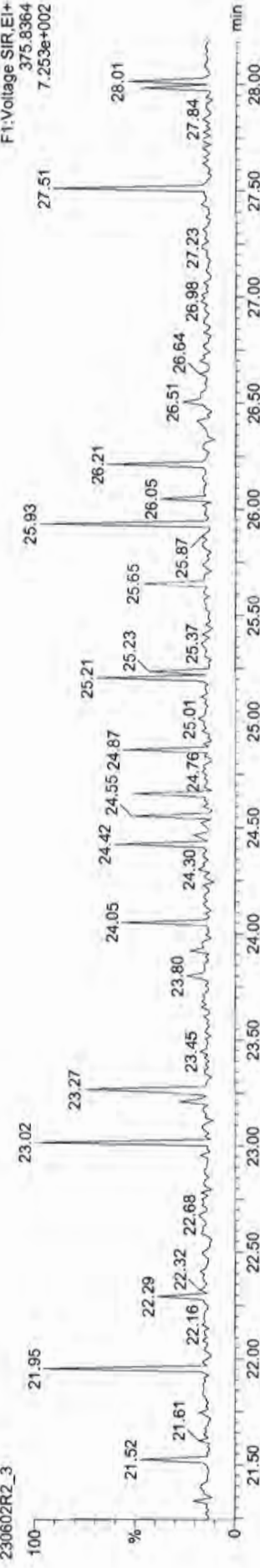
230602R2_3

13C-1,2,3,4-TCDF: 24.78; 5.59e5; 8144744



DPE1

230602R2_3



Dataset: Untitled

Last Altered: Saturday, June 03, 2023 9:38:17 AM Pacific Daylight Time
Printed: Saturday, June 03, 2023 9:38:59 AM Pacific Daylight Time

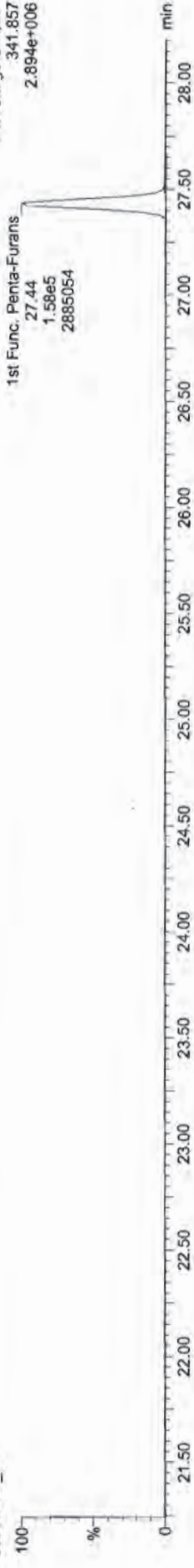
Name: 230602R2_3, Date: 03-Jun-2023, Time: 08:28:39, ID: ST230602R2_2 1613 CS3 23E1003, Description: 1613 CS3 23E1003

1st Func. Penta-Furans

230602R2_3

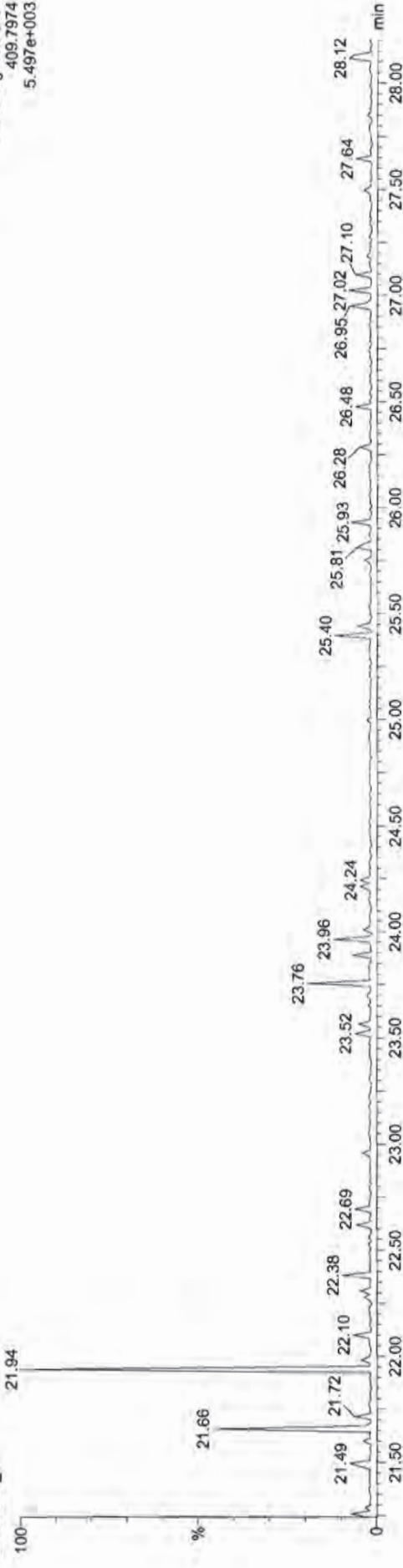


230602R2_3



DPE6

230602R2_3



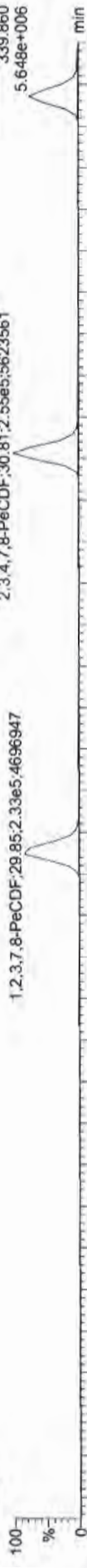
Dataset: Untitled

Last Altered: Saturday, June 03, 2023 9:38:17 AM Pacific Daylight Time
Printed: Saturday, June 03, 2023 9:38:59 AM Pacific Daylight Time

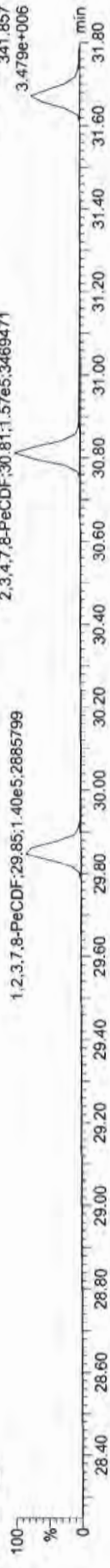
Name: 230602R2_3, Date: 03-Jun-2023, Time: 08:28:39, ID: ST230602R2_2 1613 CS3 23E1003, Description: 1613 CS3 23E1003

1,2,3,7,8-PeCDF

230602R2_3

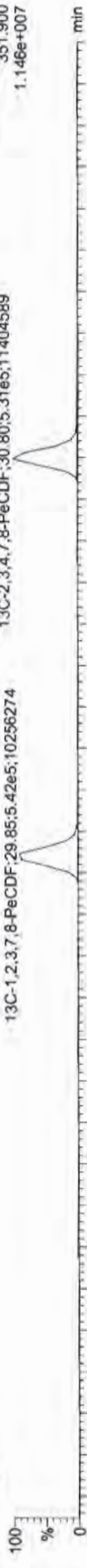


230602R2_3

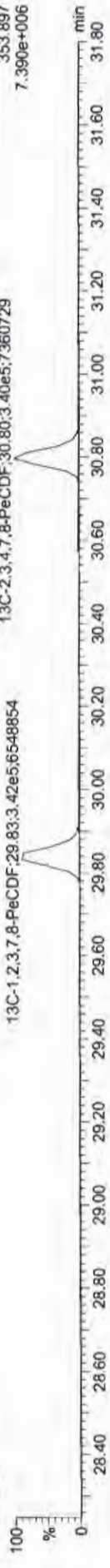


13C-1,2,3,7,8-PeCDF

230602R2_3

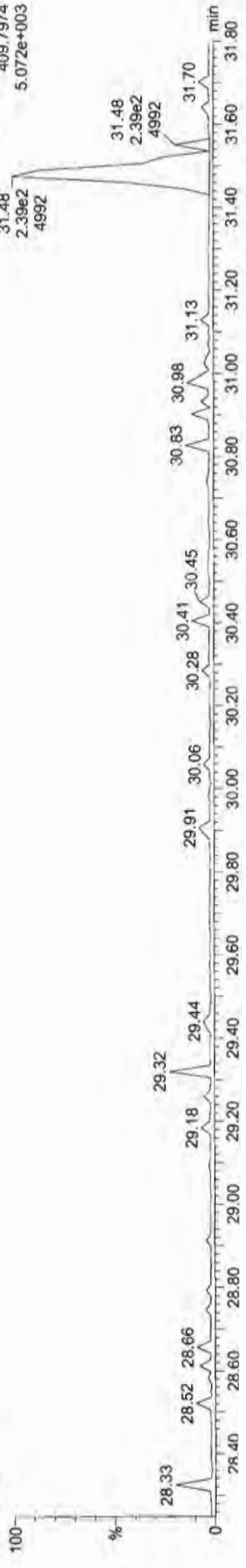


230602R2_3



DPE2

230602R2_3



Enthalpy Analytical EDH VG-12

Dataset: Untitled

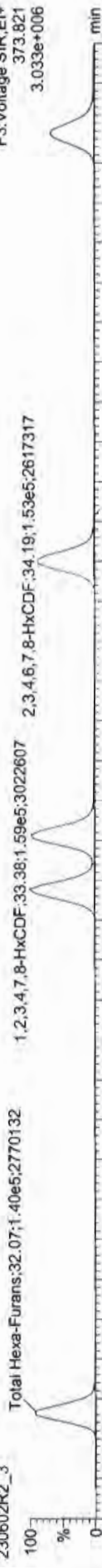
Last Altered: Saturday, June 03, 2023 9:38:17 AM Pacific Daylight Time

Printed: Saturday, June 03, 2023 9:38:59 AM Pacific Daylight Time

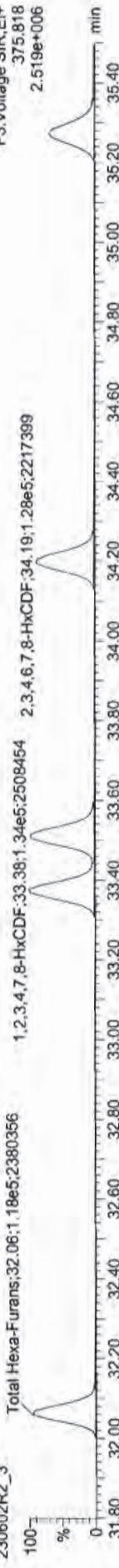
Name: 230602R2_3, Date: 03-Jun-2023, Time: 08:28:39, ID: ST230602R2_2 1613 CS3 23E1003, Description: 1613 CS3 23E1003

1,2,3,4,7,8-HxCDF

230602R2_3

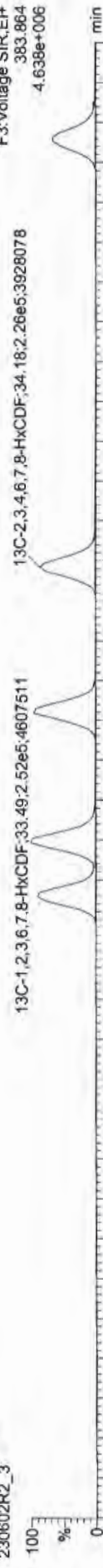


230602R2_3

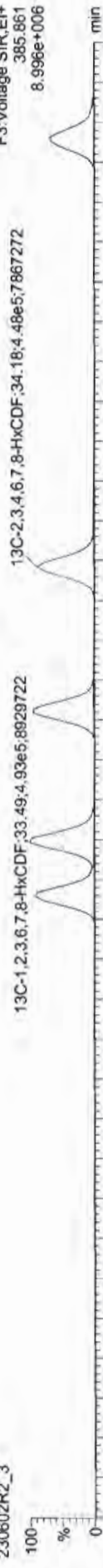


13C-1,2,3,4,7,8-HxCDF

230602R2_3



230602R2_3



DPE3

230602R2_3



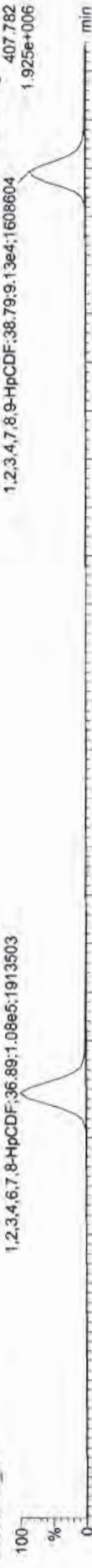
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Last Altered: Saturday, June 03, 2023 9:38:17 AM Pacific Daylight Time
Printed: Saturday, June 03, 2023 9:38:59 AM Pacific Daylight Time

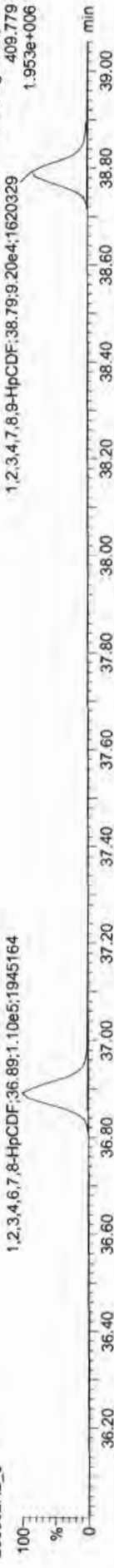
Name: 230602R2_3, Date: 03-Jun-2023, Time: 08:28:39, ID: ST230602R2_2 1613 CS3 23E1003, Description: 1613 CS3 23E1003

1,2,3,4,6,7,8-HpCDF

230602R2_3



230602R2_3

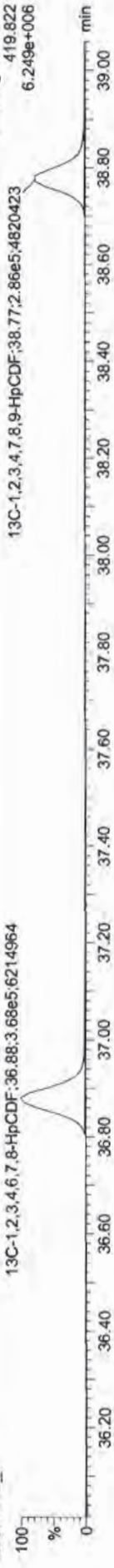


13C-1,2,3,4,6,7,8-HpCDF

230602R2_3

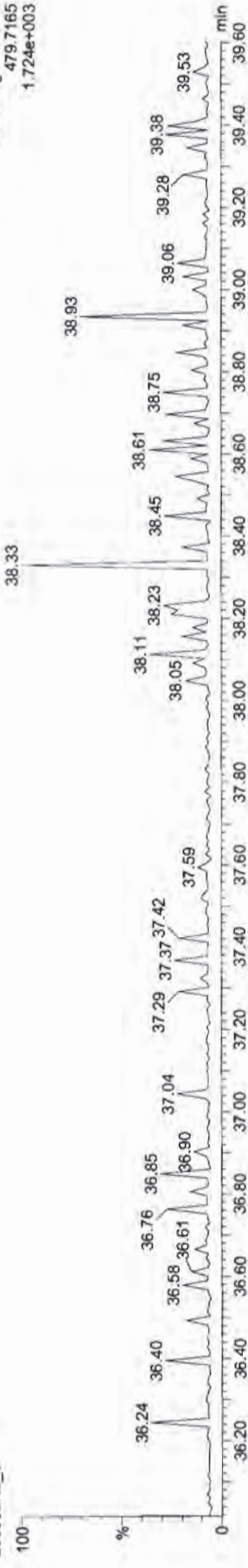


230602R2_3

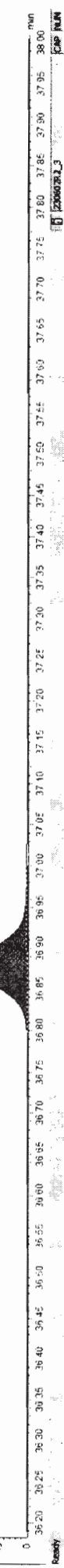
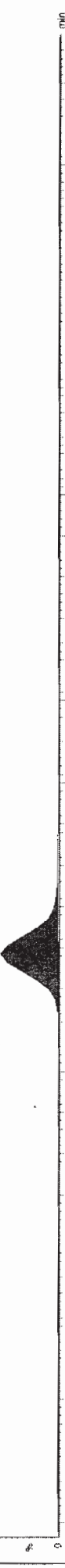


DPE4

230602R2_3



RT	Name	IS	Ratio	Peak	RA	NY	RF	Peak	RT	RT	Flag	Peak	RT	Conc.	Std	Out
24	13C-13C-13C	6.42e5	7.17e5	0.89	0.96	NO	1.0734	26.14	26.14	NO	1.003	1.003	96.7	96.7	NO	NO
25	13C-13C-13C-13C	9.68e5	9.95e5	0.77	0.78	NO	1.0734	26.14	26.14	NO	1.003	1.003	96.7	96.7	NO	NO
26	13C-13C-13C-13C-13C	8.84e5	9.95e5	1.55	1.58	NO	0.8970	26.83	26.83	NO	1.145	1.145	97.9	97.9	NO	NO
27	13C-13C-13C-13C-13C-13C	8.71e5	9.95e5	1.55	1.56	NO	0.8980	33.79	33.79	NO	1.181	1.182	98.5	98.5	NO	NO
28	13C-13C-13C-13C-13C-13C-13C	6.86e5	7.17e5	0.51	0.51	NO	1.0229	33.50	33.50	NO	0.987	0.988	96.3	96.3	NO	NO
29	13C-13C-13C-13C-13C-13C-13C-13C	7.45e5	7.17e5	0.51	0.51	NO	0.9551	34.17	34.18	NO	1.010	1.011	96.2	96.2	NO	NO
30	13C-13C-13C-13C-13C-13C-13C-13C-13C	6.02e5	7.17e5	0.51	0.51	NO	0.8527	35.24	35.26	NO	1.042	1.042	96.4	96.4	NO	NO
31	13C-13C-13C-13C-13C-13C-13C-13C-13C-13C	5.29e5	7.17e5	0.44	0.44	NO	0.7710	36.85	36.88	NO	1.050	1.051	102	102	NO	NO
32	13C-13C-13C-13C-13C-13C-13C-13C-13C-13C-13C	4.05e5	7.17e5	0.85	0.90	NO	0.5099	38.75	38.78	NO	1.146	1.147	97.1	97.1	NO	NO
33	13C-13C-13C-13C-13C-13C-13C-13C-13C-13C-13C-13C	1.04e5	7.17e5	0.85	0.90	NO	0.7118	41.78	41.77	NO	1.235	1.235	201	101	NO	NO
34	13C-13C-13C-13C-13C-13C-13C-13C-13C-13C-13C-13C-13C	7.19e4	7.36e5	0.77	0.77	NO	0.9789	26.74	26.74	NO	1.028	1.028	99.7	99.7	NO	NO
35	13C-13C-13C-13C-13C-13C-13C-13C-13C-13C-13C-13C-13C-13C	7.36e5	7.36e5	0.77	0.77	NO	1.0000	26.11	26.06	NO	1.000	1.000	100	100	NO	NO
36	13C-13C-13C-13C-13C-13C-13C-13C-13C-13C-13C-13C-13C-13C-13C	9.95e5	9.95e5	0.77	0.78	NO	1.0000	24.81	24.78	NO	1.000	1.000	100	100	NO	NO
37	13C-13C-13C-13C-13C-13C-13C-13C-13C-13C-13C-13C-13C-13C-13C-13C	7.17e5	7.17e5	0.51	0.51	NO	1.0000	33.84	33.82	NO	1.000	1.000	100	100	YES	YES
38	13C-13C-13C-13C-13C-13C-13C-13C-13C-13C-13C-13C-13C-13C-13C-13C-13C	6.18e5	6.18e5			NO	0.9002	24.62		NO	0.000		45.6		NO	NO
39	Total Hexa-Dozens	6.14e5				NO	0.7447	29.96		NO	0.000		164		NO	NO
40	Total Hexa-Dozens	0.00e0				NO	0.7321	33.63		NO	0.000		221		NO	NO
41	Total Hexa-Dozens	4.37e5				NO	0.9033	37.64		NO	0.000		106		NO	NO
42	Total Hexa-Dozens															



Dataset: Untitled

Last Altered: Saturday, June 03, 2023 9:38:17 AM Pacific Daylight Time
Printed: Saturday, June 03, 2023 9:38:59 AM Pacific Daylight Time

Name: 230602R2_3, Date: 03-Jun-2023, Time: 08:28:39, ID: ST230602R2_2 1613 CS3 23E1003, Description: 1613 CS3 23E1003

OCDF

230602R2_3

100
%
0

OCDF:41.78;1.80e5;2626420

F5:Voltage SIR,EI+
441.743
2.641e+006

230602R2_3

100
%
0

OCDF:41.78;2.11e5;3060237

F5:Voltage SIR,EI+
443.740
3.077e+006

13C-OCDF

230602R2_3

100
%
0

13C-OCDF:41.77;4.92e5;7413676

F5:Voltage SIR,EI+
453.7831
7.457e+006

230602R2_3

100
%
0

13C-OCDF:41.77;5.44e5;8051298

F5:Voltage SIR,EI+
455.780
8.112e+006

DPE5

230602R2_3

100
%
0



F5:Voltage SIR,EI+
513.6775
2.086e+003

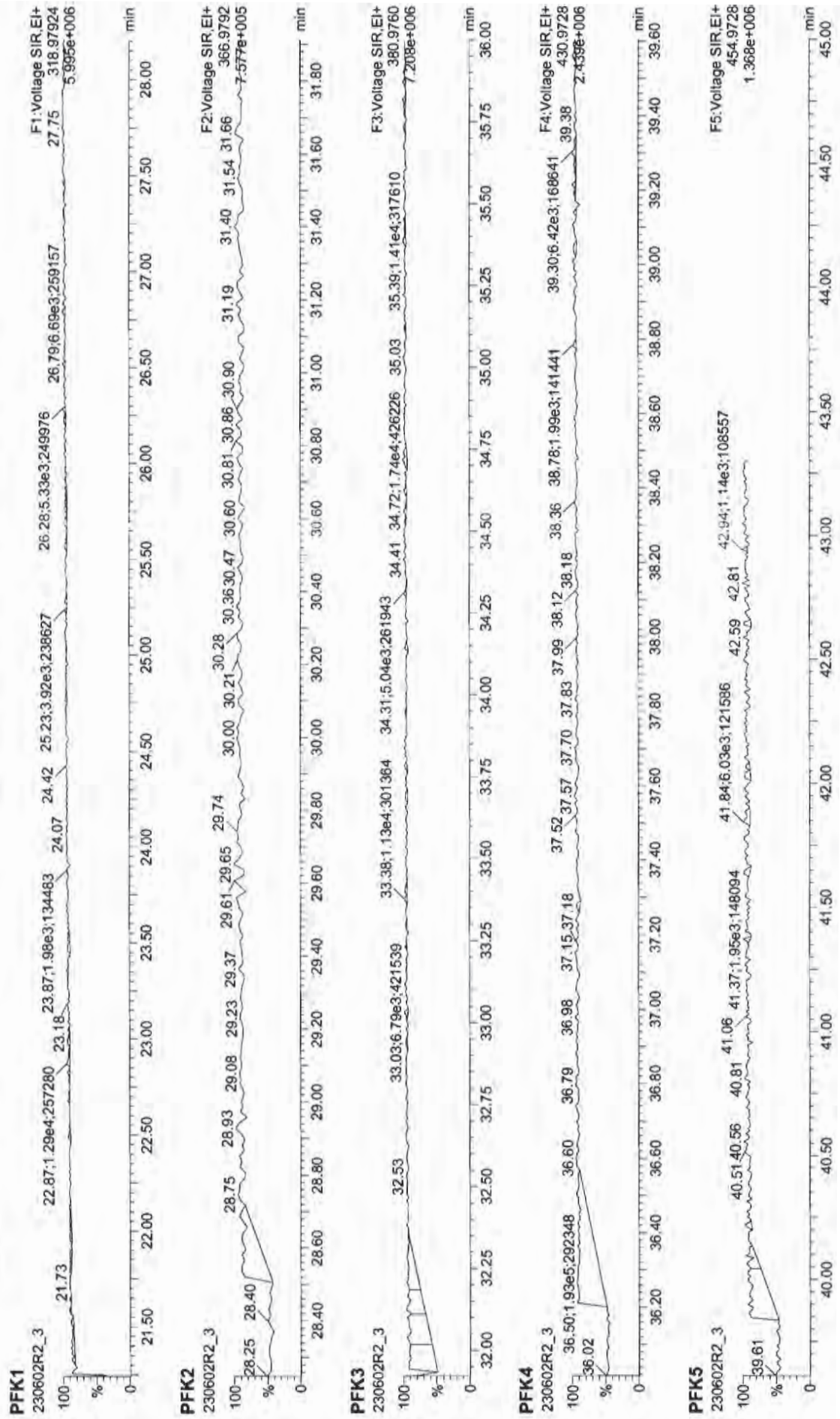
Quantify Sample Report
Enthalpy Analytical EDH VG-12

MassLynx 4.1 SCN815

Dataset: Untitled

Last Altered: Saturday, June 03, 2023 9:38:17 AM Pacific Daylight Time
Printed: Saturday, June 03, 2023 9:38:59 AM Pacific Daylight Time

Name: 230602R2_3, Date: 03-Jun-2023, Time: 08:28:39, ID: ST230602R2_2 1613 CS3 23E1003, Description: 1613 CS3 23E1003



Dataset: I:\VG12.PRO\Results\230612R5\230612R5-CRVE.qld

Last Altered: Tuesday, June 13, 2023 09:11:49 Pacific Daylight Time
Printed: Tuesday, June 13, 2023 09:16:06 Pacific Daylight Time

7/16/23
ATM 06/13/23

Method: C:\MassLynx\DEFAULT.PRO\MethDB\1613rrt-6-1-23.mdb 01 Jun 2023 15:09:04
Calibration: C:\MassLynx\Default.pro\Curvedb\bdioxin_1613vg12-6-12-23.cdb 13 Jun 2023 09:11:49

Compound name: 2,3,7,8-TCDD
Response Factor: 0.95334
RRF SD: 0.0721768, Relative SD: 7.55514
Response type: Internal Std (Ref 18), Area * (IS Conc. / IS Area)
Curve type: RF

Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
1 230612R5_1	0.250	0.75	NO	26.73	1.000	1.18e3	4.84e5	0.256	2.3	0.978	MM
2 230612R5_2	0.500	0.76	NO	26.71	1.001	2.20e3	4.87e5	0.473	-5.4	0.904	bb
3 230612R5_3	2.00	0.78	NO	26.71	1.001	8.25e3	4.71e5	1.83	-8.4	0.875	MM
4 230612R5_4	40.0	0.77	NO	26.71	1.001	3.35e5	7.73e5	45.3	13.4	1.08	bb
5 230612R5_5	300	0.78	NO	26.71	1.001	2.25e6	7.97e5	296	-1.4	0.942	bb
6 230612R5_6	10.0	0.75	NO	26.71	1.001	5.45e4	5.73e5	9.95	-0.5	0.950	bb

Compound name: 1,2,3,7,8-PeCDD
Response Factor: 0.795071
RRF SD: 0.112999, Relative SD: 14.2124
Response type: Internal Std (Ref 19), Area * (IS Conc. / IS Area)
Curve type: RF

Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
1 230612R5_1	1.25	0.61	NO	30.98	1.000	3.16e3	3.81e5	1.04	-16.5	0.664	bb
2 230612R5_2	2.50	0.60	NO	30.95	1.000	6.42e3	3.70e5	2.18	-12.7	0.694	MM
3 230612R5_3	10.0	0.60	NO	30.96	1.000	2.74e4	3.65e5	9.46	-5.4	0.752	MM
4 230612R5_4	200	0.63	NO	30.98	1.001	1.04e6	5.49e5	239	19.3	0.949	bb
5 230612R5_5	1500	0.63	NO	30.96	1.000	7.11e6	5.83e5	1530	2.2	0.813	bb
6 230612R5_6	50.0	0.61	NO	30.96	1.000	1.71e5	3.80e5	56.5	13.0	0.899	bb

Compound name: 1,2,3,4,7,8-HxCDD
Response Factor: 0.907787
RRF SD: 0.0665746, Relative SD: 7.33372
Response type: Internal Std (Ref 20), Area * (IS Conc. / IS Area)
Curve type: RF

Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
1 230612R5_1	1.25	1.30	NO	34.30	1.001	3.27e3	2.98e5	1.21	-3.3	0.878	MM

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Compound name: 1,2,3,4,7,8-HxCDD

Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
2 230612R5_2	2.50	1.34	NO	34.28	1.001	5.90e3	2.82e5	2.30	-7.8	0.837	MM
3 230612R5_3	10.0	1.33	NO	34.28	1.001	2.55e4	2.80e5	10.0	0.4	0.911	MM
4 230612R5_4	200	1.29	NO	34.28	1.000	1.04e6	5.18e5	221	10.4	1.00	bd
5 230612R5_5	1500	1.28	NO	34.28	1.001	7.12e6	5.60e5	1400	-6.5	0.849	bd
6 230612R5_6	50.0	1.33	NO	34.28	1.001	1.66e5	3.42e5	53.4	6.8	0.969	bd

Compound name: 1,2,3,6,7,8-HxCDD

Response Factor: 0.836321

RRF SD: 0.0921915, Relative SD: 11.0235

Response type: Internal Std (Ref 21), Area * (IS Conc. / IS Area)

Curve type: RF

Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
1 230612R5_1	1.25	1.34	NO	34.40	1.000	3.00e3	3.34e5	1.08	-13.9	0.720	MM
2 230612R5_2	2.50	1.36	NO	34.39	1.000	6.27e3	3.20e5	2.35	-6.2	0.784	MM
3 230612R5_3	10.0	1.31	NO	34.40	1.001	2.61e4	3.27e5	9.55	-4.5	0.799	MM
4 230612R5_4	200	1.29	NO	34.40	1.000	1.06e6	5.41e5	234	16.8	0.977	db
5 230612R5_5	1500	1.28	NO	34.40	1.001	7.16e6	5.76e5	1490	-0.9	0.829	db
6 230612R5_6	50.0	1.36	NO	34.40	1.001	1.72e5	3.78e5	54.3	8.6	0.908	dd

Compound name: 1,2,3,7,8,9-HxCDD

Response Factor: 0.854022

RRF SD: 0.0932216, Relative SD: 10.9156

Response type: Internal Std (Ref 22), Area * (IS Conc. / IS Area)

Curve type: RF

Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
1 230612R5_1	1.25	1.31	NO	34.73	1.001	3.16e3	3.38e5	1.10	-12.2	0.750	MM
2 230612R5_2	2.50	1.30	NO	34.69	1.000	6.29e3	3.19e5	2.31	-7.6	0.789	MM
3 230612R5_3	10.0	1.32	NO	34.70	1.000	2.61e4	3.17e5	9.62	-3.8	0.822	MM
4 230612R5_4	200	1.29	NO	34.71	1.001	1.04e6	5.14e5	237	18.4	1.01	bb
5 230612R5_5	1500	1.28	NO	34.70	1.001	7.32e6	5.75e5	1490	-0.7	0.848	bb
6 230612R5_6	50.0	1.30	NO	34.70	1.001	1.66e5	3.68e5	52.9	5.8	0.904	db

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Compound name: 1,2,3,4,6,7,8-HpCDD

Response Factor: 0.935798

RRF SD: 0.092557, Relative SD: 9.8907

Response type: Internal Std (Ref 23), Area * (IS Conc. / IS Area)

Curve type: RF

	Name	Std. Conc.	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
1	230612R5_1	1.25	0.98	NO	38.08	1.000	2.95e3	2.68e5	1.18	-5.8	0.882	MM
2	230612R5_2	2.50	1.07	NO	38.06	1.000	5.34e3	2.50e5	2.29	-8.6	0.856	MM
3	230612R5_3	10.0	1.05	NO	38.06	1.000	2.18e4	2.54e5	9.18	-8.2	0.859	MM
4	230612R5_4	200	1.05	NO	38.07	1.000	8.95e5	4.11e5	232	16.2	1.09	bb
5	230612R5_5	1500	1.05	NO	38.06	1.001	6.47e6	4.65e5	1490	-0.8	0.928	bb
6	230612R5_6	50.0	1.05	NO	38.06	1.000	1.38e5	2.75e5	53.6	7.2	1.00	bb

Compound name: OCDD

Response Factor: 0.849387

RRF SD: 0.111508, Relative SD: 13.128

Response type: Internal Std (Ref 24), Area * (IS Conc. / IS Area)

Curve type: RF

	Name	Std. Conc.	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
1	230612R5_1	2.50	0.93	NO	41.40	1.000	4.35e3	4.64e5	2.21	-11.6	0.751	MM
2	230612R5_2	5.00	0.88	NO	41.40	1.000	8.23e3	4.34e5	4.46	-10.7	0.758	MM
3	230612R5_3	20.0	0.91	NO	41.40	1.000	3.47e4	4.50e5	18.2	-9.2	0.771	MM
4	230612R5_4	400	0.92	NO	41.41	1.000	1.42e6	6.88e5	487	21.6	1.03	bb
5	230612R5_5	3000	0.92	NO	41.40	1.000	1.06e7	8.12e5	3080	2.8	0.873	bb
6	230612R5_6	100	0.89	NO	41.40	1.000	2.33e5	5.12e5	107	7.1	0.910	bd

Compound name: 2,3,7,8-TCDF

Response Factor: 0.890593

RRF SD: 0.135287, Relative SD: 15.1907

Response type: Internal Std (Ref 25), Area * (IS Conc. / IS Area)

Curve type: RF

	Name	Std. Conc.	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
1	230612R5_1	0.250	0.82	NO	26.12	1.001	1.58e3	7.54e5	0.235	-6.0	0.837	MM
2	230612R5_2	0.500	0.78	NO	26.12	1.001	2.72e3	7.48e5	0.408	-18.3	0.728	MM
3	230612R5_3	2.00	0.73	NO	26.11	1.001	1.13e4	7.35e5	1.73	-13.7	0.768	MM
4	230612R5_4	40.0	0.77	NO	26.12	1.001	4.46e5	1.05e6	47.8	19.6	1.07	bb

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Compound name: 2,3,7,8-TCDF

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
5	230612R5_5	300	0.78	NO	26.11	1.001	2.96e6	1.06e6	314	4.7	0.933	bb
6	230612R5_6	10.0	0.75	NO	26.11	1.001	7.59e4	7.49e5	11.4	13.7	1.01	db

Compound name: 1,2,3,7,8-PeCDF

Response Factor: 0.811826
RRF SD: 0.106283, Relative SD: 13.0918
Response type: Internal Std (Ref 26), Area * (IS Conc. / IS Area)
Curve type: RF

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
1	230612R5_1	1.25	1.69	NO	29.83	1.000	4.72e3	5.58e5	1.04	-16.6	0.677	MM
2	230612R5_2	2.50	1.60	NO	29.82	1.000	1.00e4	5.50e5	2.24	-10.3	0.729	MM
3	230612R5_3	10.0	1.75	NO	29.83	1.000	4.29e4	5.41e5	9.75	-2.5	0.792	MM
4	230612R5_4	200	1.61	NO	29.83	1.000	1.66e6	8.69e5	235	17.3	0.953	bb
5	230612R5_5	1500	1.60	NO	29.82	1.000	1.10e7	9.09e5	1490	-0.9	0.804	bb
6	230612R5_6	50.0	1.65	NO	29.83	1.000	2.87e5	6.25e5	56.5	12.9	0.917	bb

Compound name: 2,3,4,7,8-PeCDF

Response Factor: 0.906593
RRF SD: 0.113851, Relative SD: 12.5581
Response type: Internal Std (Ref 27), Area * (IS Conc. / IS Area)
Curve type: RF

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
1	230612R5_1	1.25	1.69	NO	30.80	1.000	5.39e3	5.50e5	1.08	-13.5	0.784	bb
2	230612R5_2	2.50	1.65	NO	30.78	1.000	1.08e4	5.41e5	2.20	-12.1	0.797	MM
3	230612R5_3	10.0	1.70	NO	30.80	1.000	4.68e4	5.37e5	9.62	-3.8	0.872	bb
4	230612R5_4	200	1.62	NO	30.80	1.000	1.79e6	8.44e5	234	17.1	1.06	bb
5	230612R5_5	1500	1.59	NO	30.78	1.000	1.19e7	8.79e5	1500	-0.1	0.906	bb
6	230612R5_6	50.0	1.64	NO	30.80	1.000	3.04e5	5.98e5	56.2	12.3	1.02	bb

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Response Factor: 0.839488

RRF SD: 0.127513, Relative SD: 15.1893

Response type: Internal Std (Ref 28), Area * (IS Conc. / IS Area)

Curve type: RF

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
1	230612R5_1	1.25	1.21	NO	33.36	1.000	4.11e3	4.79e5	1.02	-18.4	0.685	MM
2	230612R5_2	2.50	1.17	NO	33.35	1.000	8.36e3	4.63e5	2.15	-13.9	0.723	MM
3	230612R5_3	10.0	1.23	NO	33.35	1.000	3.67e4	4.49e5	9.72	-2.8	0.816	MM
4	230612R5_4	200	1.22	NO	33.36	1.001	1.45e6	7.30e5	236	18.2	0.993	bd
5	230612R5_5	1500	1.22	NO	33.35	1.001	9.87e6	7.82e5	1500	0.2	0.841	bd
6	230612R5_6	50.0	1.22	NO	33.35	1.000	2.36e5	4.82e5	58.4	16.7	0.980	bd

Compound name: 1,2,3,6,7,8-HxCDF

Response Factor: 0.815498

RRF SD: 0.0889704, Relative SD: 10.9099

Response type: Internal Std (Ref 29), Area * (IS Conc. / IS Area)

Curve type: RF

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
1	230612R5_1	1.25	1.12	NO	33.50	1.001	4.49e3	4.88e5	1.13	-9.7	0.736	MM
2	230612R5_2	2.50	1.18	NO	33.48	1.000	8.66e3	4.77e5	2.22	-11.0	0.725	MM
3	230612R5_3	10.0	1.24	NO	33.48	1.000	3.80e4	4.79e5	9.73	-2.7	0.794	MM
4	230612R5_4	200	1.20	NO	33.49	1.000	1.49e6	7.88e5	231	15.7	0.943	db
5	230612R5_5	1500	1.20	NO	33.48	1.000	9.98e6	8.41e5	1450	-3.0	0.791	db
6	230612R5_6	50.0	1.24	NO	33.48	1.000	2.46e5	5.45e5	55.4	10.8	0.903	db

Compound name: 2,3,4,6,7,8-HxCDF

Response Factor: 0.844529

RRF SD: 0.102251, Relative SD: 12.1074

Response type: Internal Std (Ref 30), Area * (IS Conc. / IS Area)

Curve type: RF

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
1	230612R5_1	1.25	1.23	NO	34.19	1.000	4.09e3	4.45e5	1.09	-13.0	0.735	MM
2	230612R5_2	2.50	1.17	NO	34.17	1.001	8.20e3	4.39e5	2.24	-10.3	0.758	MM
3	230612R5_3	10.0	1.25	NO	34.17	1.000	3.47e4	4.35e5	9.46	-5.4	0.799	MM
4	230612R5_4	200	1.21	NO	34.19	1.001	1.40e6	7.03e5	235	17.5	0.992	bb

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Compound name: 2,3,4,6,7,8-HxCDF

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
5	230612R5_5	1500	1.20	NO	34.17	1.001	9.38e6	7.39e5	1500	0.2	0.846	bb
6	230612R5_6	50.0	1.22	NO	34.17	1.001	2.30e5	4.91e5	55.5	11.1	0.938	bb

Compound name: 1,2,3,7,8,9-HxCDF

Response Factor: 0.811201

RRF SD: 0.0783649, Relative SD: 9.66036

Response type: Internal Std (Ref 31), Area * (IS Conc. / IS Area)

Curve type: RF

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
1	230612R5_1	1.25	1.16	NO	35.26	1.000	3.47e3	3.81e5	1.12	-10.1	0.729	MM
2	230612R5_2	2.50	1.22	NO	35.24	1.000	6.79e3	3.61e5	2.32	-7.2	0.753	MM
3	230612R5_3	10.0	1.21	NO	35.24	1.000	2.87e4	3.70e5	9.55	-4.5	0.775	MM
4	230612R5_4	200	1.23	NO	35.25	1.001	1.18e6	6.39e5	228	13.9	0.924	bb
5	230612R5_5	1500	1.22	NO	35.24	1.000	8.31e6	6.97e5	1470	-2.0	0.795	bb
6	230612R5_6	50.0	1.18	NO	35.24	1.000	1.87e5	4.20e5	54.9	9.8	0.891	bb

Compound name: 1,2,3,4,6,7,8-HpCDF

Response Factor: 0.826748

RRF SD: 0.099656, Relative SD: 12.054

Response type: Internal Std (Ref 32), Area * (IS Conc. / IS Area)

Curve type: RF

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
1	230612R5_1	1.25	1.08	NO	36.88	1.000	3.04e3	3.46e5	1.06	-14.9	0.704	MM
2	230612R5_2	2.50	1.05	NO	36.86	1.000	6.00e3	3.26e5	2.23	-10.8	0.738	MM
3	230612R5_3	10.0	1.00	NO	36.86	1.000	2.69e4	3.31e5	9.85	-1.5	0.814	MM
4	230612R5_4	200	1.00	NO	36.87	1.000	1.09e6	5.62e5	234	16.8	0.966	bb
5	230612R5_5	1500	1.01	NO	36.86	1.000	7.66e6	6.17e5	1500	0.1	0.828	bb
6	230612R5_6	50.0	1.00	NO	36.86	1.000	1.73e5	3.79e5	55.1	10.2	0.911	bb

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Compound name: 1,2,3,4,7,8,9-HpCDF

Response Factor: 0.873049

RRF SD: 0.140555, Relative SD: 16.0994

Response type: Internal Std (Ref 33), Area * (IS Conc. / IS Area)

Curve type: RF

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
1	230612R5_1	1.25	0.93	NO	38.77	1.000	2.61e3	2.80e5	1.07	-14.7	0.745	MM
2	230612R5_2	2.50	0.95	NO	38.76	1.000	4.99e3	2.73e5	2.09	-16.2	0.731	MM
3	230612R5_3	10.0	0.98	NO	38.77	1.001	2.13e4	2.69e5	9.06	-9.4	0.791	bb
4	230612R5_4	200	1.00	NO	38.77	1.000	9.11e5	4.20e5	248	24.2	1.08	bb
5	230612R5_5	1500	1.01	NO	38.75	1.000	6.65e6	4.81e5	1580	5.5	0.921	bb
6	230612R5_6	50.0	0.99	NO	38.76	1.000	1.38e5	2.86e5	55.3	10.6	0.966	bb

Compound name: OCDF

Response Factor: 0.735472

RRF SD: 0.0989967, Relative SD: 13.4603

Response type: Internal Std (Ref 34), Area * (IS Conc. / IS Area)

Curve type: RF

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
1	230612R5_1	2.50	0.89	NO	41.76	1.000	5.43e3	6.59e5	2.24	-10.4	0.659	MM
2	230612R5_2	5.00	0.92	NO	41.77	1.000	1.00e4	6.40e5	4.26	-14.7	0.627	MM
3	230612R5_3	20.0	0.87	NO	41.76	1.000	4.39e4	6.42e5	18.6	-7.1	0.683	MM
4	230612R5_4	400	0.88	NO	41.76	1.000	1.82e6	1.03e6	483	20.7	0.888	bb
5	230612R5_5	3000	0.88	NO	41.75	1.000	1.34e7	1.20e6	3050	1.5	0.747	bb
6	230612R5_6	100	0.88	NO	41.75	1.000	2.86e5	7.07e5	110	10.0	0.809	bb

Compound name: 13C-2,3,7,8-TCDF

Response Factor: 1.09939

RRF SD: 0.0597765, Relative SD: 5.43722

Response type: Internal Std (Ref 36), Area * (IS Conc. / IS Area)

Curve type: RF

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
1	230612R5_1	100	0.77	NO	26.71	1.026	4.84e5	4.55e5	96.9	-3.1	1.07	bb
2	230612R5_2	100	0.78	NO	26.70	1.026	4.87e5	4.57e5	97.0	-3.0	1.07	bb
3	230612R5_3	100	0.76	NO	26.70	1.026	4.71e5	4.56e5	94.0	-6.0	1.03	bb
4	230612R5_4	100	0.78	NO	26.70	1.026	7.73e5	7.00e5	100	0.4	1.10	bb

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Compound name: 13C-2,3,7,8-TCDD

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
5	230612R5_5	100	0.78	NO	26.68	1.026	7.97e5	6.63e5	109	9.4	1.20	bb
6	230612R5_6	100	0.78	NO	26.70	1.026	5.73e5	5.10e5	102	2.3	1.12	bb

Compound name: 13C-1,2,3,7,8-PeCDD

Response Factor: 0.809502

RRF SD: 0.0458955, Relative SD: 5.66959

Response type: Internal Std (Ref 36), Area * (IS Conc. / IS Area)

Curve type: RF

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
1	230612R5_1	100	0.62	NO	30.96	1.189	3.81e5	4.55e5	104	3.6	0.839	bb
2	230612R5_2	100	0.61	NO	30.95	1.189	3.70e5	4.57e5	100	0.1	0.810	bb
3	230612R5_3	100	0.62	NO	30.95	1.189	3.65e5	4.56e5	98.8	-1.2	0.800	bb
4	230612R5_4	100	0.62	NO	30.95	1.189	5.49e5	7.00e5	96.7	-3.3	0.783	bb
5	230612R5_5	100	0.63	NO	30.95	1.189	5.83e5	6.63e5	109	8.6	0.879	bb
6	230612R5_6	100	0.63	NO	30.95	1.189	3.80e5	5.10e5	92.2	-7.8	0.746	bb

Compound name: 13C-1,2,3,4,7,8-HxCDD

Response Factor: 0.647138

RRF SD: 0.0860968, Relative SD: 13.3042

Response type: Internal Std (Ref 38), Area * (IS Conc. / IS Area)

Curve type: RF

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
1	230612R5_1	100	1.30	NO	34.28	1.014	2.98e5	5.01e5	91.9	-8.1	0.594	bd
2	230612R5_2	100	1.29	NO	34.26	1.014	2.82e5	4.83e5	90.2	-9.8	0.584	bd
3	230612R5_3	100	1.27	NO	34.26	1.014	2.80e5	4.93e5	87.6	-12.4	0.567	bd
4	230612R5_4	100	1.29	NO	34.27	1.014	5.18e5	7.33e5	109	9.1	0.706	bd
5	230612R5_5	100	1.28	NO	34.26	1.014	5.60e5	7.09e5	122	22.0	0.790	bd
6	230612R5_6	100	1.27	NO	34.26	1.014	3.42e5	5.33e5	99.1	-0.9	0.642	bd

Dataset: I:\VG12\PRO\Results\230612R5\230612R5-CRVE.qld

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Compound name: 13C-1,2,3,6,7,8-HxCDD

Response Factor: 0.708049

RRF SD: 0.0595665, Relative SD: 8.41277

Response type: Internal Std (Ref 38), Area * (IS Conc. / IS Area)

Curve type: RF

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
1	230612R5_1	100	1.32	NO	34.40	1.018	3.34e5	5.01e5	94.0	-6.0	0.666	db
2	230612R5_2	100	1.29	NO	34.38	1.017	3.20e5	4.83e5	93.5	-6.5	0.662	db
3	230612R5_3	100	1.27	NO	34.38	1.017	3.27e5	4.93e5	93.5	-6.5	0.662	db
4	230612R5_4	100	1.26	NO	34.39	1.017	5.41e5	7.33e5	104	4.1	0.737	db
5	230612R5_5	100	1.26	NO	34.38	1.017	5.76e5	7.09e5	115	14.7	0.812	db
6	230612R5_6	100	1.25	NO	34.38	1.017	3.78e5	5.33e5	100	0.2	0.709	db

Compound name: 13C-1,2,3,7,8,9-HxCDD

Response Factor: 0.696641

RRF SD: 0.0601619, Relative SD: 8.636

Response type: Internal Std (Ref 38), Area * (IS Conc. / IS Area)

Curve type: RF

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
1	230612R5_1	100	1.27	NO	34.70	1.026	3.38e5	5.01e5	96.7	-3.3	0.674	bb
2	230612R5_2	100	1.25	NO	34.68	1.026	3.19e5	4.83e5	94.7	-5.3	0.660	bb
3	230612R5_3	100	1.25	NO	34.69	1.026	3.17e5	4.93e5	92.4	-7.6	0.643	bb
4	230612R5_4	100	1.26	NO	34.69	1.026	5.14e5	7.33e5	101	0.7	0.701	bb
5	230612R5_5	100	1.23	NO	34.68	1.026	5.75e5	7.09e5	117	16.6	0.812	bb
6	230612R5_6	100	1.24	NO	34.68	1.026	3.68e5	5.33e5	99.0	-1.0	0.690	bb

Compound name: 13C-1,2,3,4,6,7,8-HpCDD

Response Factor: 0.549658

RRF SD: 0.0550881, Relative SD: 10.0223

Response type: Internal Std (Ref 38), Area * (IS Conc. / IS Area)

Curve type: RF

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
1	230612R5_1	100	1.07	NO	38.07	1.126	2.68e5	5.01e5	97.2	-2.8	0.534	bd
2	230612R5_2	100	1.06	NO	38.05	1.126	2.50e5	4.83e5	94.1	-5.9	0.517	bb
3	230612R5_3	100	1.08	NO	38.05	1.126	2.54e5	4.93e5	93.5	-6.5	0.514	MM
4	230612R5_4	100	1.08	NO	38.06	1.126	4.11e5	7.33e5	102	2.1	0.561	bb

Dataset: I:\VG12.PRO\Results\230612R5\230612R5-CRVE.qld

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Compound name: 13C-1,2,3,4,6,7,8-HpCDD

Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
5 230612R5_5	100	1.07	NO	38.04	1.125	4.65e5	7.09e5	119	19.3	0.656	bb
6 230612R5_6	100	1.03	NO	38.05	1.126	2.75e5	5.33e5	93.8	-6.2	0.515	bb

Compound name: 13C-OCDD

Response Factor: 0.48168
RRF SD: 0.0460683, Relative SD: 9.56408
Response type: Internal Std (Ref 38), Area * (IS Conc. / IS Area)
Curve type: RF

Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
1 230612R5_1	200	0.89	NO	41.40	1.225	4.64e5	5.01e5	192	-4.0	0.463	bb
2 230612R5_2	200	0.91	NO	41.38	1.224	4.34e5	4.83e5	186	-6.8	0.449	MM
3 230612R5_3	200	0.89	NO	41.38	1.224	4.50e5	4.93e5	189	-5.3	0.456	bd
4 230612R5_4	200	0.88	NO	41.40	1.224	6.88e5	7.33e5	195	-2.7	0.469	bb
5 230612R5_5	200	0.93	NO	41.38	1.224	8.12e5	7.09e5	238	19.0	0.573	bd
6 230612R5_6	200	0.85	NO	41.38	1.224	5.12e5	5.33e5	199	-0.3	0.480	bb

Compound name: 13C-2,3,7,8-TCDF

Response Factor: 1.04082
RRF SD: 0.0763979, Relative SD: 7.34016
Response type: Internal Std (Ref 37), Area * (IS Conc. / IS Area)
Curve type: RF

Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
1 230612R5_1	100	0.77	NO	26.11	1.003	7.54e5	6.79e5	107	6.6	1.11	bb
2 230612R5_2	100	0.77	NO	26.09	1.003	7.48e5	6.71e5	107	7.1	1.12	bb
3 230612R5_3	100	0.76	NO	26.09	1.003	7.35e5	6.75e5	105	4.6	1.09	bb
4 230612R5_4	100	0.79	NO	26.09	1.003	1.05e6	1.07e6	93.8	-6.2	0.977	bb
5 230612R5_5	100	0.79	NO	26.09	1.003	1.06e6	1.03e6	98.6	-1.4	1.03	bb
6 230612R5_6	100	0.79	NO	26.09	1.003	7.49e5	8.06e5	89.3	-10.7	0.930	bb

Dataset: I:\VG12.PRO\Results\230612R5\230612R5-CRVE.qld

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Compound name: 13C-1,2,3,7,8-PeCDF

Response Factor: 0.818686

RRF SD: 0.0350887, Relative SD: 4.28597

Response type: Internal Std (Ref 37), Area * (IS Conc. / IS Area)

Curve type: RF

	Name	Std. Conc	RA	n/Y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
1	230612R5_1	100	1.60	NO	29.82	1.145	5.58e5	6.79e5	100	0.4	0.822	bb
2	230612R5_2	100	1.61	NO	29.80	1.145	5.50e5	6.71e5	100	0.3	0.821	bb
3	230612R5_3	100	1.60	NO	29.82	1.146	5.41e5	6.75e5	97.9	-2.1	0.802	bb
4	230612R5_4	100	1.59	NO	29.82	1.146	8.69e5	1.07e6	99.1	-0.9	0.811	bb
5	230612R5_5	100	1.59	NO	29.82	1.146	9.09e5	1.03e6	108	7.7	0.881	bb
6	230612R5_6	100	1.58	NO	29.82	1.146	6.25e5	8.06e5	94.7	-5.3	0.775	bb

Compound name: 13C-2,3,4,7,8-PeCDF

Response Factor: 0.798767

RRF SD: 0.0357159, Relative SD: 4.47138

Response type: Internal Std (Ref 37), Area * (IS Conc. / IS Area)

Curve type: RF

	Name	Std. Conc	RA	n/Y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
1	230612R5_1	100	1.60	NO	30.78	1.182	5.50e5	6.79e5	101	1.3	0.809	bb
2	230612R5_2	100	1.62	NO	30.77	1.183	5.41e5	6.71e5	101	1.0	0.807	bb
3	230612R5_3	100	1.62	NO	30.78	1.183	5.37e5	6.75e5	99.5	-0.5	0.795	bb
4	230612R5_4	100	1.57	NO	30.78	1.183	8.44e5	1.07e6	98.6	-1.4	0.787	bb
5	230612R5_5	100	1.61	NO	30.77	1.183	8.79e5	1.03e6	107	6.6	0.852	bb
6	230612R5_6	100	1.61	NO	30.78	1.183	5.98e5	8.06e5	92.9	-7.1	0.742	bb

Compound name: 13C-1,2,3,4,7,8-HxCDF

Response Factor: 0.971439

RRF SD: 0.0733167, Relative SD: 7.54723

Response type: Internal Std (Ref 38), Area * (IS Conc. / IS Area)

Curve type: RF

	Name	Std. Conc	RA	n/Y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
1	230612R5_1	100	0.51	NO	33.35	0.986	4.79e5	5.01e5	98.5	-1.5	0.957	bd
2	230612R5_2	100	0.51	NO	33.34	0.986	4.63e5	4.83e5	98.7	-1.3	0.959	bd
3	230612R5_3	100	0.51	NO	33.34	0.986	4.49e5	4.93e5	93.8	-6.2	0.911	bd
4	230612R5_4	100	0.51	NO	33.34	0.986	7.30e5	7.33e5	102	2.4	0.995	bd

Dataset: I:\VG12.PRO\Results\230612R5\230612R5-CRVE.qld

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Compound name: 13C-1,2,3,4,7,8-HxCDF

Name	Std. Conc	RA	nY	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
5 230612R5_5	100	0.51	NO	33.33	0.986	7.82e5	7.09e5	114	13.7	1.10	bd
6 230612R5_6	100	0.50	NO	33.34	0.986	4.82e5	5.33e5	92.9	-7.1	0.903	bd

Compound name: 13C-1,2,3,6,7,8-HxCDF

Response Factor: 1.03577
RRF SD: 0.0836023, Relative SD: 8.07153
Response type: Internal Std (Ref 38), Area * (IS Conc. / IS Area)
Curve type: RF

Name	Std. Conc	RA	nY	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
1 230612R5_1	100	0.51	NO	33.48	0.990	4.88e5	5.01e5	94.0	-6.0	0.973	db
2 230612R5_2	100	0.51	NO	33.47	0.990	4.77e5	4.83e5	95.4	-4.6	0.988	db
3 230612R5_3	100	0.51	NO	33.47	0.990	4.79e5	4.93e5	93.7	-6.3	0.970	db
4 230612R5_4	100	0.51	NO	33.48	0.990	7.88e5	7.33e5	104	3.7	1.07	db
5 230612R5_5	100	0.52	NO	33.47	0.990	8.41e5	7.09e5	115	14.6	1.19	db
6 230612R5_6	100	0.52	NO	33.47	0.990	5.45e5	5.33e5	98.7	-1.3	1.02	db

Compound name: 13C-2,3,4,6,7,8-HxCDF

Response Factor: 0.93131
RRF SD: 0.0614813, Relative SD: 6.6016
Response type: Internal Std (Ref 38), Area * (IS Conc. / IS Area)
Curve type: RF

Name	Std. Conc	RA	nY	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
1 230612R5_1	100	0.50	NO	34.17	1.011	4.45e5	5.01e5	95.4	-4.6	0.888	bb
2 230612R5_2	100	0.50	NO	34.15	1.010	4.33e5	4.83e5	96.2	-3.8	0.896	bb
3 230612R5_3	100	0.52	NO	34.16	1.011	4.35e5	4.93e5	94.7	-5.3	0.882	bd
4 230612R5_4	100	0.52	NO	34.16	1.010	7.03e5	7.33e5	103	3.0	0.959	bb
5 230612R5_5	100	0.51	NO	34.15	1.010	7.39e5	7.09e5	112	12.0	1.04	bb
6 230612R5_6	100	0.50	NO	34.15	1.010	4.91e5	5.33e5	98.8	-1.2	0.920	bb

Dataset: I:\VG12.PRO\Results\230612R5\230612R5-CRVE.qld

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Compound name: 13C-1,2,3,7,8,9-HxCDF

Response Factor: 0.816616

RRF SD: 0.0940621, Relative SD: 11.5185

Response type: Internal Std (Ref 38), Area * (IS Conc. / IS Area)

Curve type: RF

Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
1 230612R5_1	100	0.51	NO	35.25	1.043	3.81e5	5.01e5	93.0	-7.0	0.760	bb
2 230612R5_2	100	0.52	NO	35.23	1.042	3.61e5	4.83e5	91.4	-8.6	0.747	bb
3 230612R5_3	100	0.50	NO	35.23	1.043	3.70e5	4.93e5	91.9	-8.1	0.751	bb
4 230612R5_4	100	0.51	NO	35.23	1.042	6.39e5	7.33e5	107	6.8	0.872	bb
5 230612R5_5	100	0.51	NO	35.23	1.042	6.97e5	7.09e5	120	20.4	0.984	bb
6 230612R5_6	100	0.48	NO	35.23	1.042	4.20e5	5.33e5	96.4	-3.6	0.788	bb

Compound name: 13C-1,2,3,4,6,7,8-HpCDF

Response Factor: 0.730221

RRF SD: 0.076867, Relative SD: 10.5265

Response type: Internal Std (Ref 38), Area * (IS Conc. / IS Area)

Curve type: RF

Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
1 230612R5_1	100	0.43	NO	36.87	1.091	3.46e5	5.01e5	94.5	-5.5	0.690	bb
2 230612R5_2	100	0.41	NO	36.85	1.090	3.26e5	4.83e5	92.3	-7.7	0.674	bb
3 230612R5_3	100	0.41	NO	36.85	1.090	3.31e5	4.93e5	91.8	-8.2	0.670	bb
4 230612R5_4	100	0.42	NO	36.86	1.090	5.62e5	7.33e5	105	4.9	0.766	bb
5 230612R5_5	100	0.43	NO	36.85	1.090	6.17e5	7.09e5	119	19.1	0.870	bb
6 230612R5_6	100	0.44	NO	36.85	1.090	3.79e5	5.33e5	97.3	-2.7	0.711	bd

Compound name: 13C-1,2,3,4,7,8,9-HpCDF

Response Factor: 0.576415

RRF SD: 0.0521013, Relative SD: 9.03886

Response type: Internal Std (Ref 38), Area * (IS Conc. / IS Area)

Curve type: RF

Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
1 230612R5_1	100	0.43	NO	38.77	1.147	2.80e5	5.01e5	97.0	-3.0	0.559	bd
2 230612R5_2	100	0.42	NO	38.75	1.146	2.73e5	4.83e5	98.1	-1.9	0.566	bb
3 230612R5_3	100	0.41	NO	38.75	1.147	2.69e5	4.93e5	94.7	-5.3	0.546	bb
4 230612R5_4	100	0.43	NO	38.76	1.146	4.20e5	7.33e5	99.4	-0.6	0.573	bb

Dataset: I:\VG12.PRO\Results\230612R5\230612R5-CRVE.qld

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Compound name: 13C-1,2,3,4,7,8,9-HpCDF

Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
5 230612R5_5	100	0.43	NO	38.74	1.146	4.81e5	7.09e5	118	17.8	0.679	bb
6 230612R5_6	100	0.40	NO	38.76	1.147	2.86e5	5.33e5	93.0	-7.0	0.536	bd

Compound name: 13C-OCDF

Response Factor: 0.696153

RRF SD: 0.0741779, Relative SD: 10.6554

Response type: Internal Std (Ref 38), Area * (IS Conc. / IS Area)

Curve type: RF

Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
1 230612R5_1	200	0.91	NO	41.76	1.235	6.59e5	5.01e5	189	-5.5	0.658	bb
2 230612R5_2	200	0.89	NO	41.75	1.235	6.40e5	4.83e5	190	-4.9	0.662	bd
3 230612R5_3	200	0.89	NO	41.74	1.235	6.42e5	4.93e5	187	-6.5	0.651	bb
4 230612R5_4	200	0.88	NO	41.74	1.235	1.03e6	7.33e5	201	0.4	0.699	bb
5 230612R5_5	200	0.90	NO	41.74	1.235	1.20e6	7.09e5	242	21.2	0.844	bb
6 230612R5_6	200	0.90	NO	41.74	1.235	7.07e5	5.33e5	190	-4.8	0.663	bb

Compound name: 37Cl-2,3,7,8-TCDF

Response Factor: 0.95941

RRF SD: 0.131001, Relative SD: 13.6543

Response type: Internal Std (Ref 36), Area * (IS Conc. / IS Area)

Curve type: RF

Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
1 230612R5_1	0.250			26.73	1.027	9.84e2	4.55e5	0.226	-9.8	0.865	bb
2 230612R5_2	0.500			26.71	1.027	1.83e3	4.57e5	0.417	-16.6	0.800	bb
3 230612R5_3	2.00			26.71	1.027	8.04e3	4.56e5	1.84	-8.1	0.882	bb
4 230612R5_4	40.0			26.71	1.027	3.19e5	7.00e5	47.5	18.9	1.14	bb
5 230612R5_5	200			26.71	1.027	1.41e6	6.63e5	221	10.7	1.06	bb
6 230612R5_6	10.0			26.71	1.027	5.13e4	5.10e5	10.5	4.9	1.01	bb

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Compound name: 13C-1,2,3,4-TCDD

Response Factor: 1

RRF SD: 0, Relative SD: 0

Response type: Internal Std (Ref 36), Area * (IS Conc. / IS Area)

Curve type: RF

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
1	230612R5_1	100	0.79	NO	26.03	1.000	4.55e5	4.55e5	100	0.0	1.00	bb
2	230612R5_2	100	0.77	NO	26.02	1.000	4.57e5	4.57e5	100	0.0	1.00	bb
3	230612R5_3	100	0.79	NO	26.02	1.000	4.56e5	4.56e5	100	0.0	1.00	bb
4	230612R5_4	100	0.79	NO	26.02	1.000	7.00e5	7.00e5	100	0.0	1.00	bb
5	230612R5_5	100	0.78	NO	26.02	1.000	6.63e5	6.63e5	100	0.0	1.00	bb
6	230612R5_6	100	0.77	NO	26.02	1.000	5.10e5	5.10e5	100	0.0	1.00	bb

Compound name: 13C-1,2,3,4-TCDF

Response Factor: 1

RRF SD: 0, Relative SD: 0

Response type: Internal Std (Ref 37), Area * (IS Conc. / IS Area)

Curve type: RF

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
1	230612R5_1	100	0.79	NO	24.75	1.000	6.79e5	6.79e5	100	0.0	1.00	bb
2	230612R5_2	100	0.79	NO	24.73	1.000	6.71e5	6.71e5	100	0.0	1.00	bb
3	230612R5_3	100	0.79	NO	24.73	1.000	6.75e5	6.75e5	100	0.0	1.00	bb
4	230612R5_4	100	0.79	NO	24.73	1.000	1.07e6	1.07e6	100	0.0	1.00	bb
5	230612R5_5	100	0.79	NO	24.73	1.000	1.03e6	1.03e6	100	0.0	1.00	bb
6	230612R5_6	100	0.79	NO	24.72	1.000	8.06e5	8.06e5	100	0.0	1.00	bb

Compound name: 13C-1,2,3,4,6,9-HxCDF

Response Factor: 1

RRF SD: 0, Relative SD: 0

Response type: Internal Std (Ref 38), Area * (IS Conc. / IS Area)

Curve type: RF

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
1	230612R5_1	100	0.51	NO	33.81	1.000	5.01e5	5.01e5	100	0.0	1.00	bb
2	230612R5_2	100	0.51	NO	33.80	1.000	4.83e5	4.83e5	100	0.0	1.00	bb
3	230612R5_3	100	0.51	NO	33.80	1.000	4.93e5	4.93e5	100	0.0	1.00	bb
4	230612R5_4	100	0.51	NO	33.81	1.000	7.33e5	7.33e5	100	0.0	1.00	bb

Dataset: I:\VG12.PRO\Results\230612R5\230612R5-CRVE.qld

Last Altered: Tuesday, June 13, 2023 09:11:49 Pacific Daylight Time
Printed: Tuesday, June 13, 2023 09:16:06 Pacific Daylight Time

Compound name: 13C-1,2,3,4,6,9-HxCDF

	Name	Std. Conc	RA	nY	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
5	230612R5_5	100	0.51	NO	33.80	1.000	7.09e5	7.09e5	100	0.0	1.00	bb
6	230612R5_6	100	0.52	NO	33.80	1.000	5.33e5	5.33e5	100	0.0	1.00	bb

Dataset: Untitled

Last Altered: Wednesday, June 14, 2023 08:35:56 Pacific Daylight Time
Printed: Wednesday, June 14, 2023 08:36:17 Pacific Daylight Time

Method: C:\MassLynx\DEFAULT.PRO\MethDB\1613rrt-6-1-23.mdb 01 Jun 2023 15:09:04
Calibration: C:\MassLynx\DEFAULT.PRO\CurveDB\dbDIOXIN_1613vg12-6-12-23.cdb 13 Jun 2023 09:11:49

Compound name: 2,3,7,8-TCDD

	Name	ID	Acq Date	Acq Time
1	230612R5_1	ST230612R5_1 1613 CS0 21G0802	12-Jun-23	18:51:34
2	230612R5_2	ST230612R5_2 1613 CS1 21G0803	12-Jun-23	19:37:03
3	230612R5_3	ST230612R5_3 1613 CS2 21G0804	12-Jun-23	20:21:36
4	230612R5_4	ST230612R5_4 1613 CS4 23E1004	12-Jun-23	21:06:41
5	230612R5_5	ST230612R5_5 1613 CS5 23E1005	12-Jun-23	21:51:37
6	230612R5_6	ST230612R5_6 1613 CS3 23E1003	12-Jun-23	22:36:44
7	230612R5_7	SS230612R5_1 1613 SSS 21G0806	12-Jun-23	23:21:42
8	230612R5_8	B23E109-BS5 OPR 10	13-Jun-23	00:06:41
9	230612R5_9	B23E109-BS6 OPR 10	13-Jun-23	00:51:47
10	230612R5_10	B23E144-BS1 OPR 1	13-Jun-23	01:36:46
11	230612R5_11	B23E141-BS1 OPR 10	13-Jun-23	02:21:53
12	230612R5_12	SOLVENT BLANK	13-Jun-23	03:06:52
13	230612R5_13	B23E141-BLK1 Method Blank 10	13-Jun-23	03:51:59
14	230612R5_14	B23E144-BLK1 Method Blank 1	13-Jun-23	04:37:06
15	230612R5_15	B23E109-BLK6 Method Blank 10	13-Jun-23	05:22:11
16	230612R5_16	B23E109-BLK5 Method Blank 10	13-Jun-23	06:07:18
17	230612R5_17	2305023-01@10X PS03-SS-01 20.86	13-Jun-23	06:52:26
18	230612R5_18	2305023-05@20X PS03-SS-05 24.64	13-Jun-23	07:37:32
19	230612R5_19	2305023-03@25X PS03-SS-03 27.33	13-Jun-23	08:22:37
20	230612R5_20	2305023-04@35X PS03-SS-04 18.84	13-Jun-23	09:07:43
21	230612R5_21	B23E144-MS1 Matrix Spike 1.01133	13-Jun-23	09:52:52
22	230612R6_1	SOLVENT BLANK	13-Jun-23	10:46:54
23	230612R6_2	ST230612R6_1 1613 CS3 23E1003	13-Jun-23	11:31:30

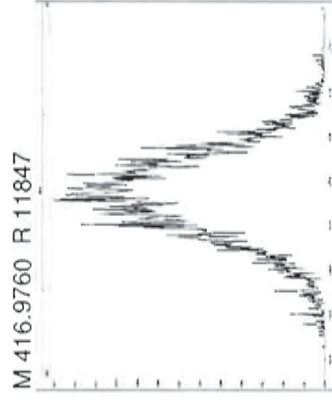
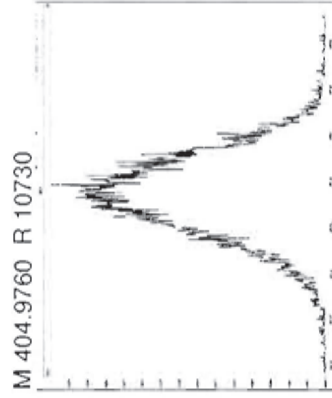
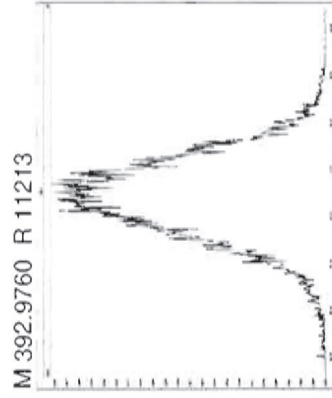
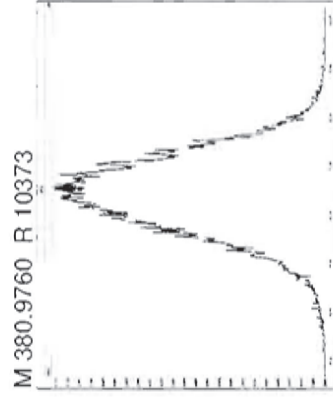
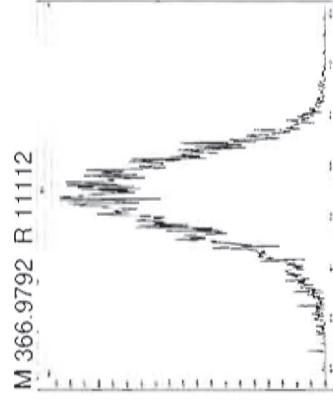
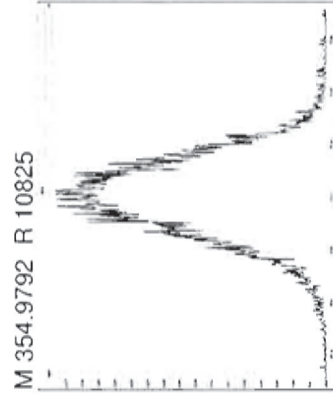
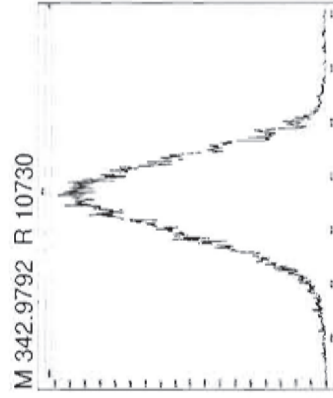
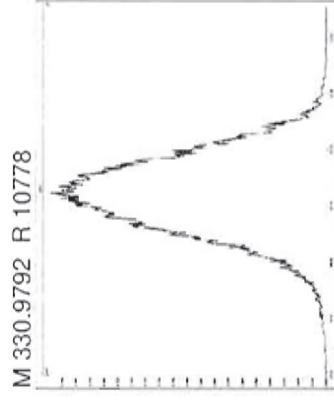
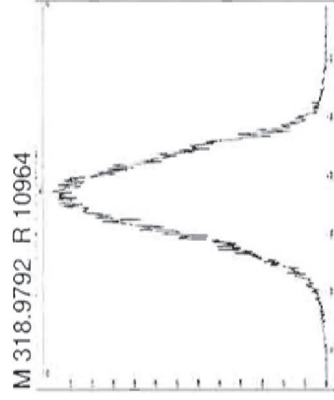
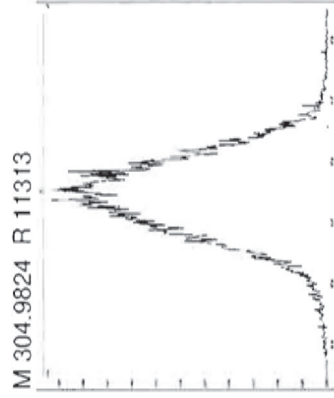
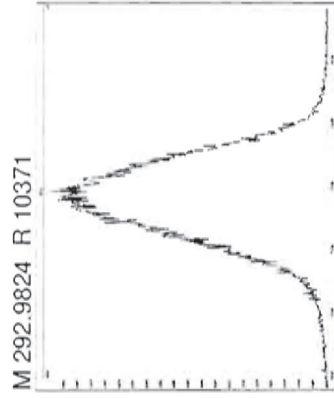
Experiment Calibration Report

MassLynx 4.1 SCN815

Page 1 of 1

File: Experiment: OCDD_DIOXIN.exp Reference: Pfk.ref Function: 1 @ 200 (ppm)

Printed: Monday, June 12, 2023 18:48:56 Pacific Daylight Time

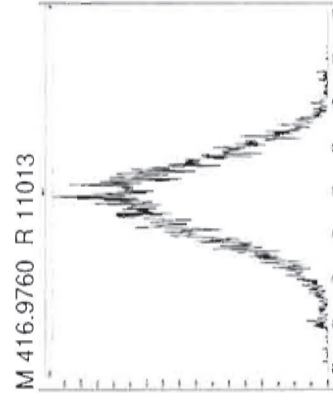
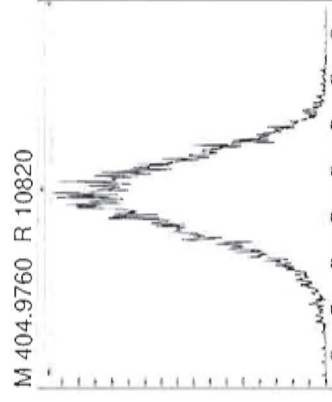
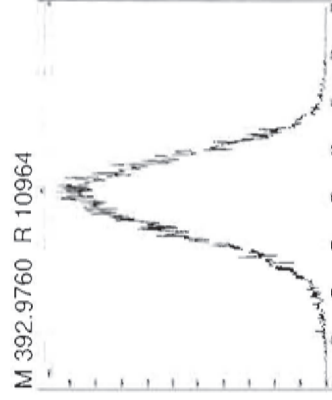
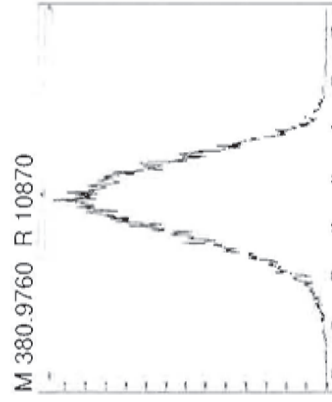
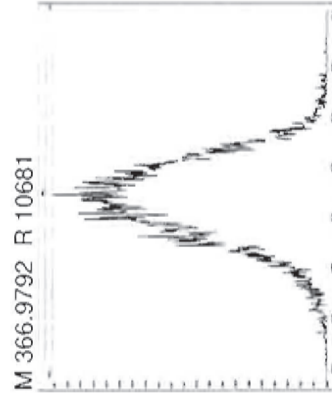
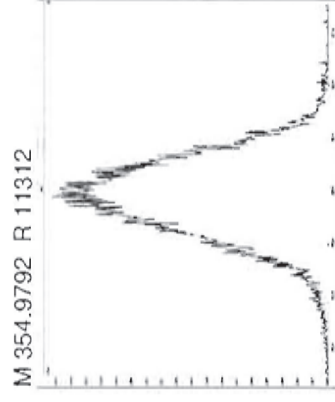
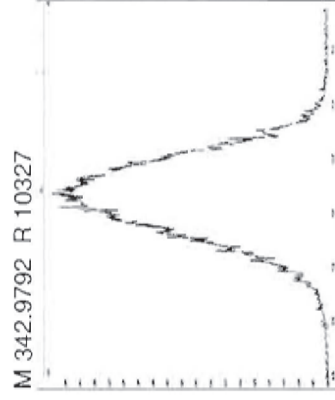
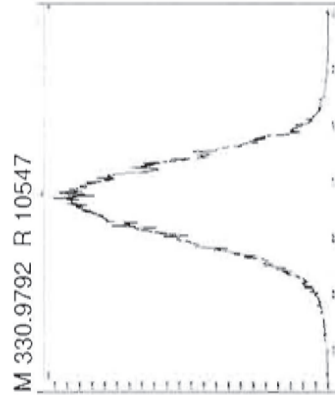
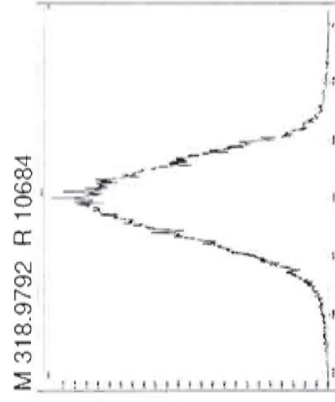


Experiment Calibration Report

MassLynx 4.1 SCN815

File: Experiment: OCDD_DIOXIN.exp Reference: Pfk.ref Function: 2 @ 200 (ppm)

Printed: Monday, June 12, 2023 18:49:24 Pacific Daylight Time

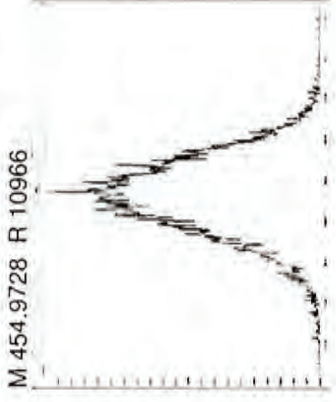
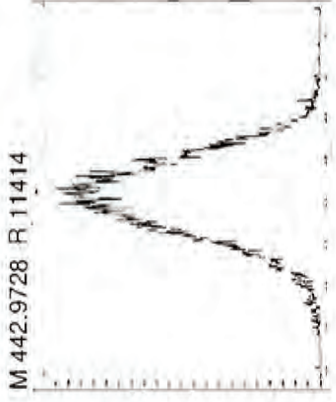
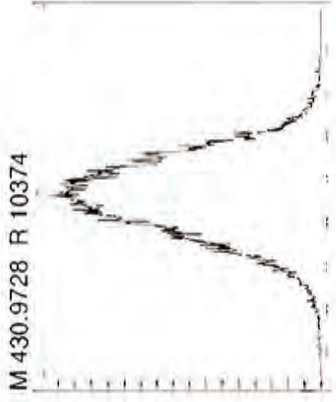
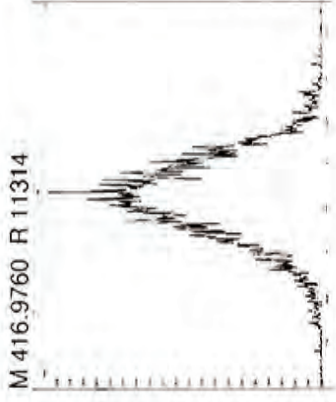
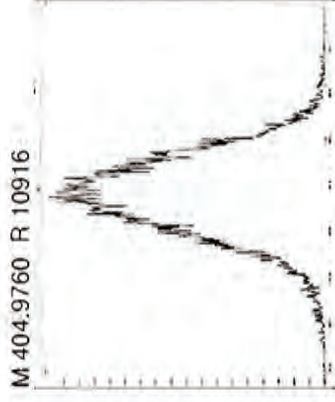
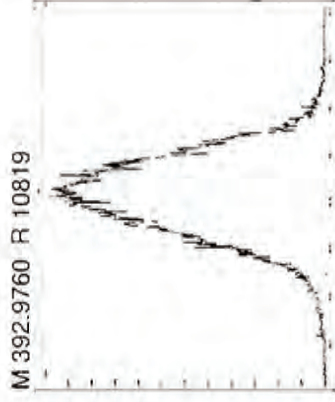
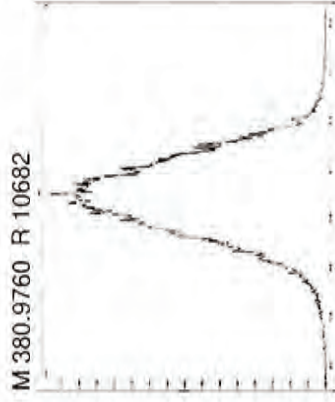
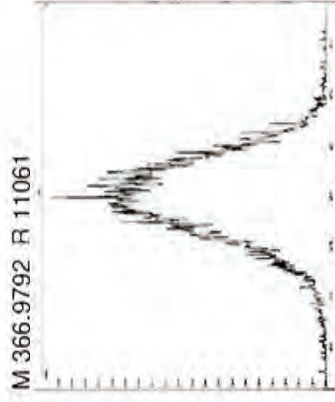


Experiment Calibration Report

MassLynx 4.1 SCN815

File: Experiment: OCDD_DIOXIN.exp Reference: Pfk.ref Function: 3 @ 200 (ppm)

Printed: Monday, June 12, 2023 18:49:54 Pacific Daylight Time



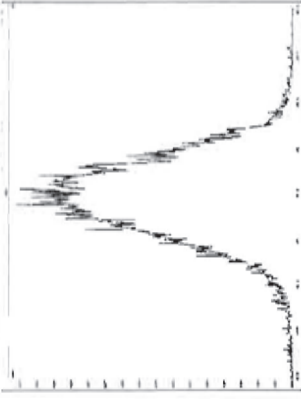
Experiment Calibration Report

MassLynx 4.1 SCN815

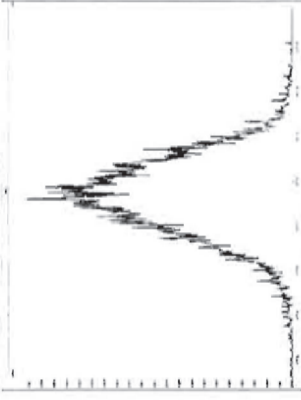
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Printed: Monday, June 12, 2023 18:50:22 Pacific Daylight Time

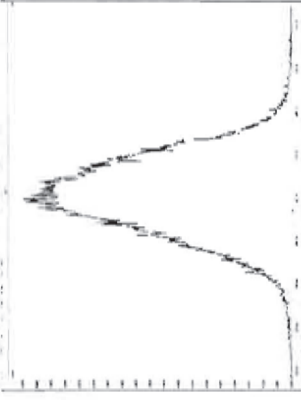
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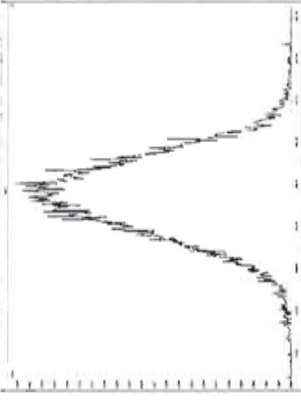
M 416.9760 R 10868



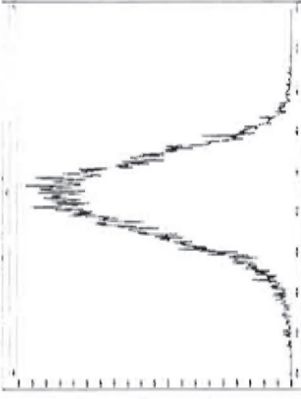
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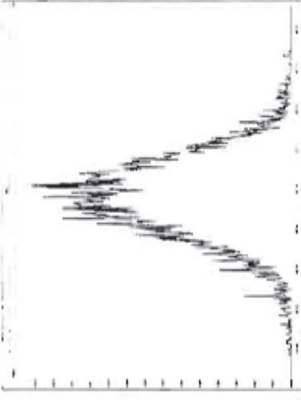
M 442.9728 R 11012



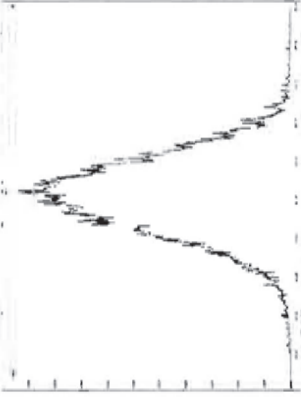
M 454.9728 R 10595



M 466.9728 R 12132



M 480.9696 R 11012

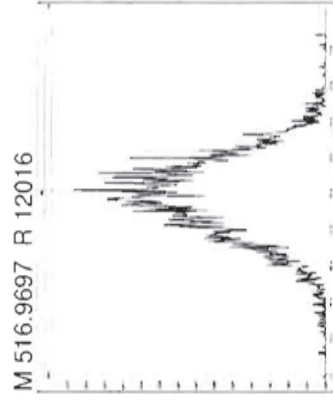
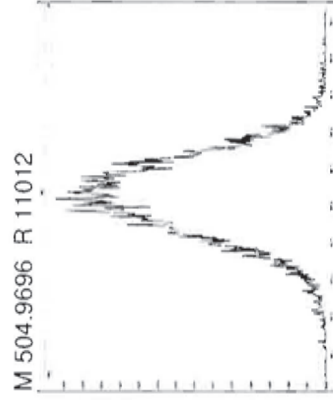
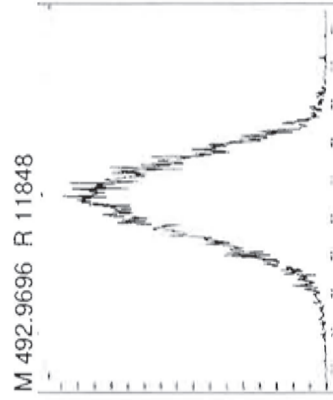
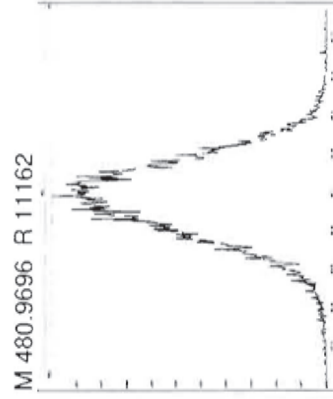
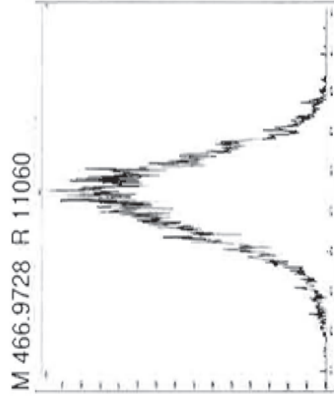
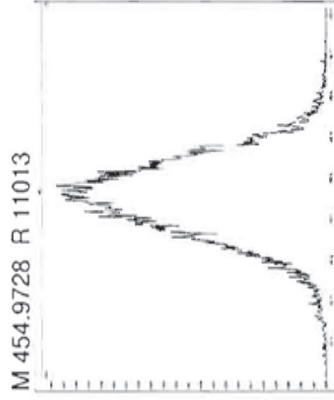
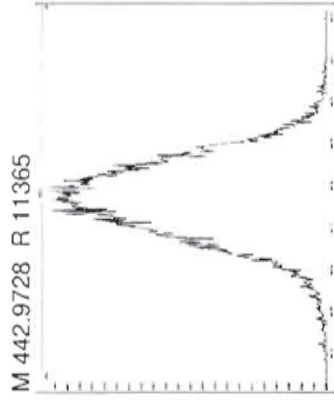
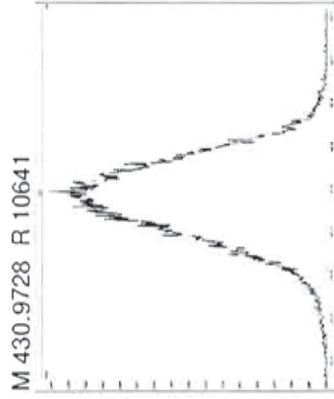


Experiment Calibration Report

MassLynx 4.1 SCN815

File: Experiment: OCDD_DIOXIN.exp Reference: Pfk.ref Function: 5 @ 200 (ppm)

Printed: Monday, June 12, 2023 18:50:46 Pacific Daylight Time



Dataset: Untitled

Last Altered: Tuesday, June 13, 2023 09:19:55 Pacific Daylight Time
Printed: Tuesday, June 13, 2023 09:20:06 Pacific Daylight Time

Method: C:\MassLynx\Default.pro\Methdb\CPSM.mdb 24 May 2023 17:45:01

Calibration: C:\MassLynx\DEFAULT.PRO\CurveDB\dbDIOXIN_1613vg12-6-12-23.cdb 13 Jun 2023 09:11:49

Name: 230612R5_6, Date: 12-Jun-2023, Time: 22:36:44, ID: ST230612R5_6 1613 CS3 23E1003, Description: 1613 CS3 23E1003

#	Name	RT
1	1,3,6,8-TCDD (First)	23.42
2	1,2,8,9-TCDD (Last)	27.51
3	1,2,4,7,9-PeCDD (First)	28.90
4	1,2,3,8,9-PeCDD (Last)	31.31
5	1,2,4,6,7,9-HxCDD (First)	32.57
6	1,2,3,7,8,9-HxCDD (Last)	34.70
7	1,2,3,4,6,7,9-HpCDD (First)	37.17
8	1,2,3,4,6,7,8-HpCDD (Last)	38.06
9	1,3,6,8-TCDF (First)	21.36
10	1,2,8,9-TCDF (Last)	27.82
11	1,3,4,6,8-PeCDF (First)	27.39
12	1,2,3,8,9-PeCDF (Last)	31.66
13	1,2,3,4,6,8-HxCDF (First)	32.05
14	1,2,3,7,8,9-HxCDF (Last)	35.24
15	1,2,3,4,6,7,8-HpCDF (First)	36.86
16	1,2,3,4,7,8,9-HpCDF (Last)	38.76

Enthalpy Analytical EDH VG-12

Dataset: Untitled

Last Altered: Tuesday, June 13, 2023 09:19:55 Pacific Daylight Time
 Printed: Tuesday, June 13, 2023 09:20:06 Pacific Daylight Time

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 Calibration: C:\MassLynx\DEFAULT.PRO\CurveDB\dbDIOXIN_1613vg12-6-12-23.cdb 13 Jun 2023 09:11:49

Name: 230612R5_6, Date: 12-Jun-2023, Time: 22:36:44, ID: ST230612R5_6 1613 CS3 23E1003, Description: 1613 CS3 23E1003

1,3,6,8-TCDD (First)

F1 Voltage SIR.EI+
 319.8965
 3.961e+005

26.71
 2.46e4

26.52
 1.85e4

26.43
 1.51e4

125%

m/z

230612R5_6

26.71
 3.25e4

26.52
 2.41e4

26.42
 1.97e4

F1 Voltage SIR.EI+
 321.894
 5.248e+005

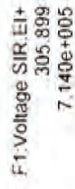
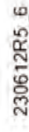
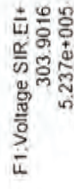
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Enthalpy Analytical EDH VG-12

Dataset: Untitled

Last Altered: Tuesday, June 13, 2023 09:19:55 Pacific Daylight Time
Printed: Tuesday, June 13, 2023 09:20:06 Pacific Daylight Time

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Dataset: Untitled

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Printed: Tuesday, June 13, 2023 09:19:32 Pacific Daylight Time

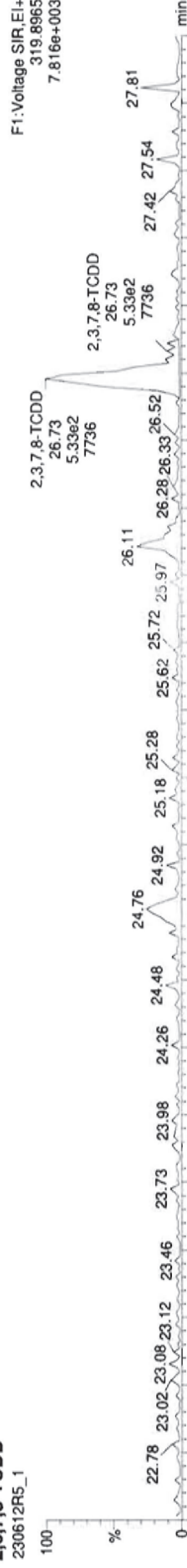
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Calibration: C:\MassLynx\DEFAULT.PRO\CurveDB\dbDIOXIN_1613vg12-6-12-23.cdb 13 Jun 2023 09:11:49

Name: 230612R5_1, Date: 12-Jun-2023, Time: 18:51:34, ID: ST230612R5_1 1613 CS0 21G0802, Description: 1613 CS0 21G0802

2,3,7,8-TCDD

230612R5_1

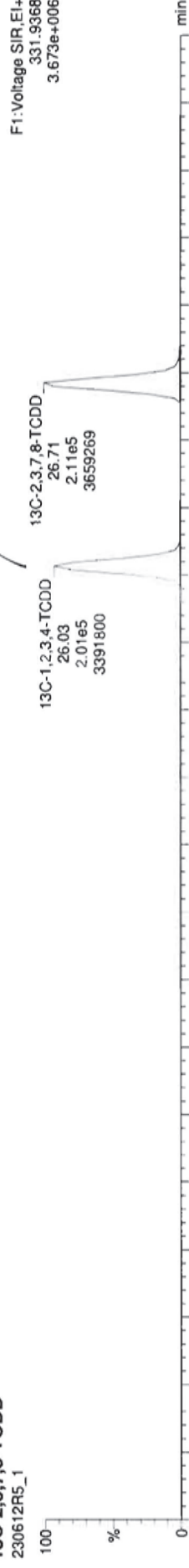


230612R5_1

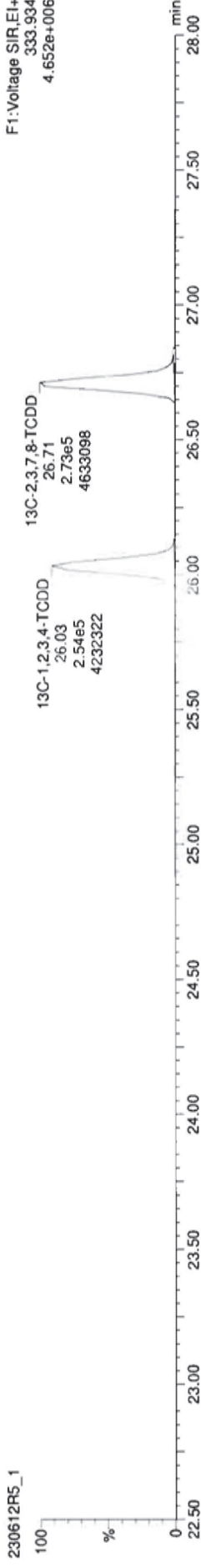


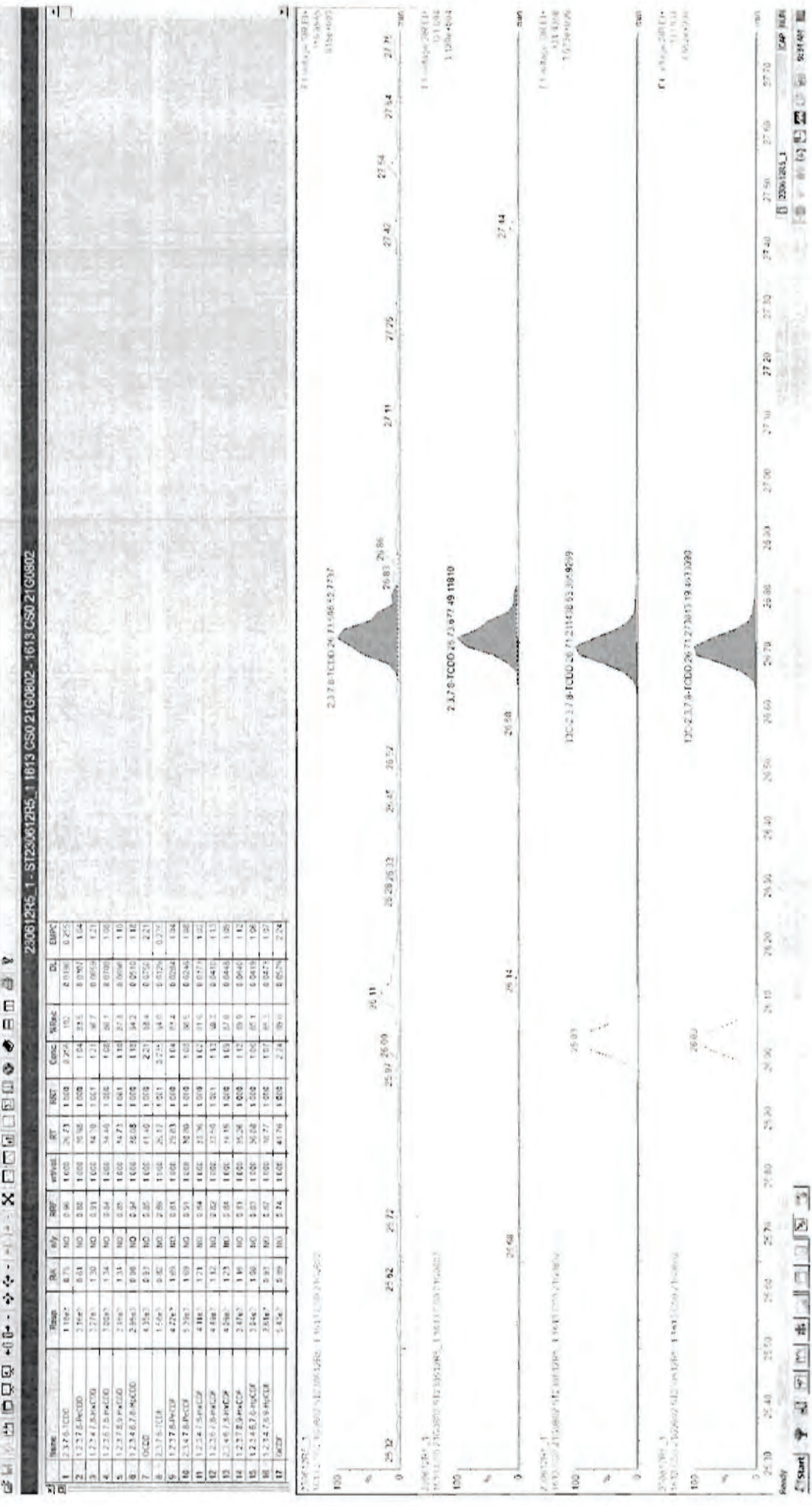
13C-2,3,7,8-TCDD

230612R5_1



230612R5_1





Dataset: Untitled

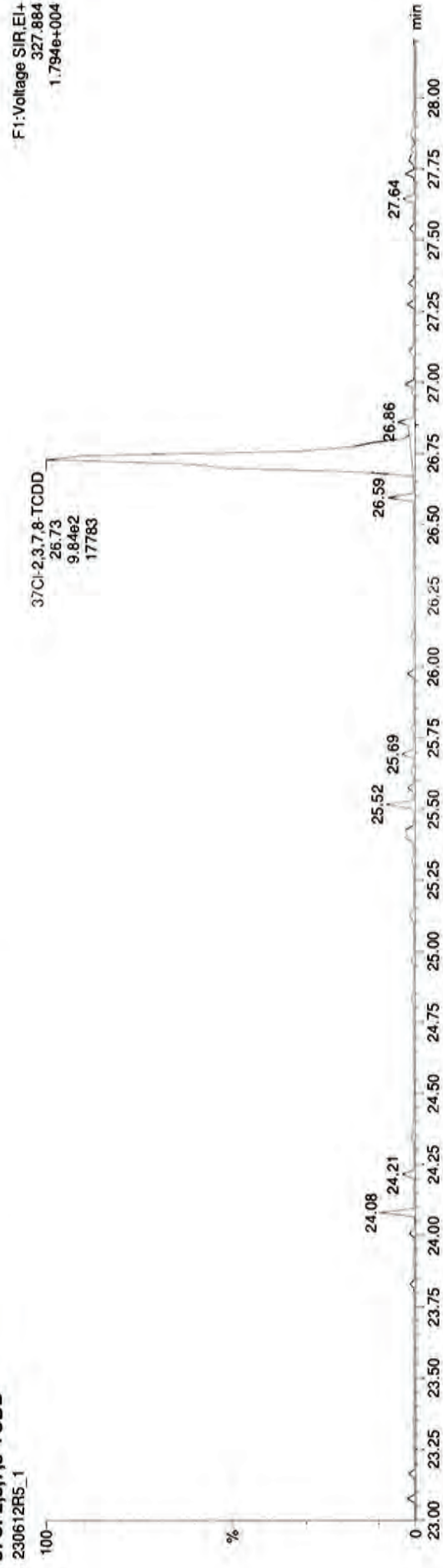
Last Altered: Tuesday, June 13, 2023 09:19:15 Pacific Daylight Time

Printed: Tuesday, June 13, 2023 09:19:32 Pacific Daylight Time

Name: 230612R5_1, Date: 12-Jun-2023, Time: 18:51:34, ID: ST230612R5_1 1613 CS0 21G0802, Description: 1613 CS0 21G0802

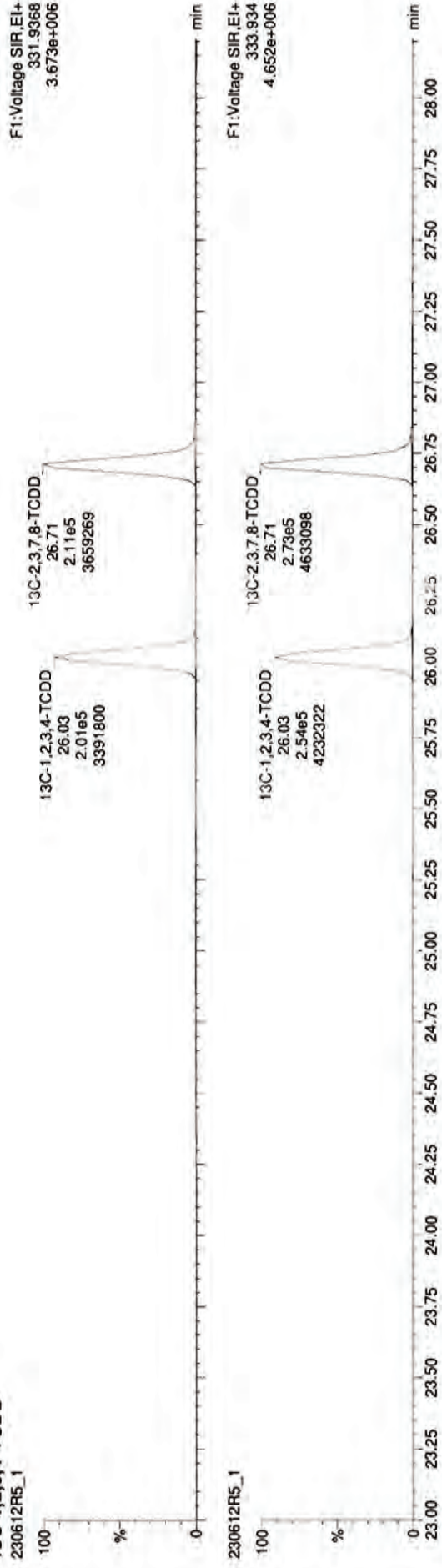
37C1-2,3,7,8-TCDD

230612R5_1



13C-1,2,3,4-TCDD

230612R5_1



Dataset: Untitled

Last Altered: Tuesday, June 13, 2023 09:19:15 Pacific Daylight Time

Printed: Tuesday, June 13, 2023 09:19:32 Pacific Daylight Time

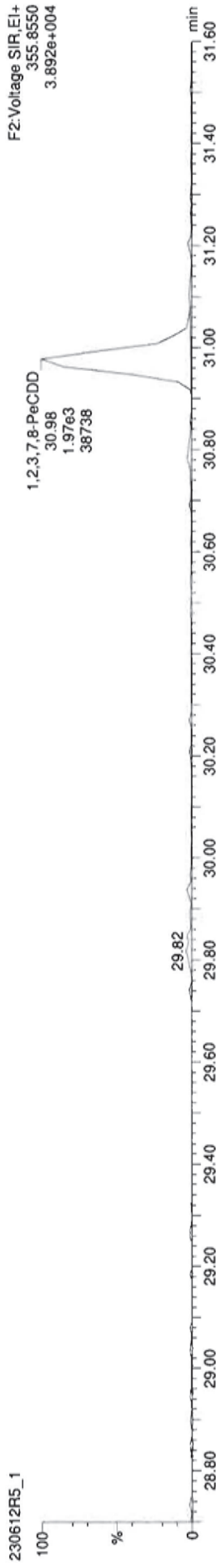
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1,2,3,7,8-PeCDD

230612R5_1



230612R5_1



13C-1,2,3,7,8-PeCDD

230612R5_1



230612R5_1



Dataset: Untitled

Last Altered: Tuesday, June 13, 2023 09:19:15 Pacific Daylight Time
Printed: Tuesday, June 13, 2023 09:19:32 Pacific Daylight Time

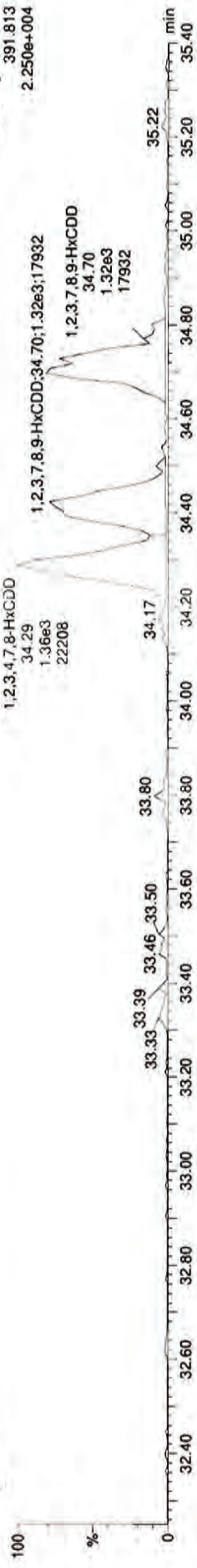
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1,2,3,4,7,8-HxCDD

230612R5_1



230612R5_1

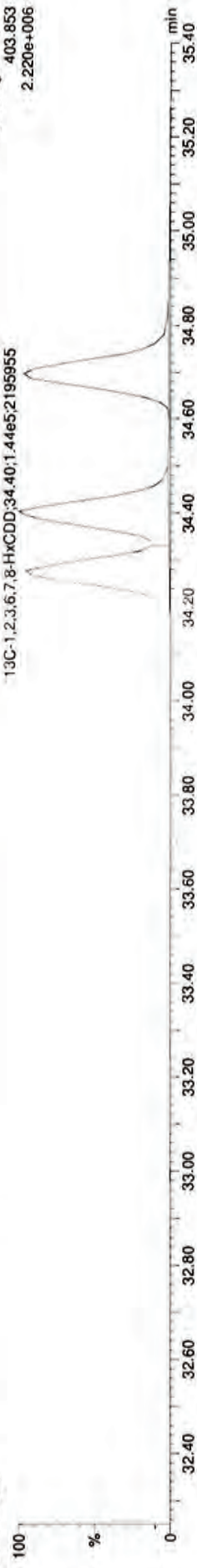


13C-1,2,3,4,7,8-HxCDD

230612R5_1



230612R5_1





Dataset: Untitled

Last Altered: Tuesday, June 13, 2023 09:19:15 Pacific Daylight Time

Printed: Tuesday, June 13, 2023 09:19:32 Pacific Daylight Time

Name: 230612R5_1, Date: 12-Jun-2023, Time: 18:51:34, ID: ST230612R5_1 1613 CS0 21G0802, Description: 1613 CS0 21G0802

1,2,3,4,6,7,8-HpCDD

230612R5_1

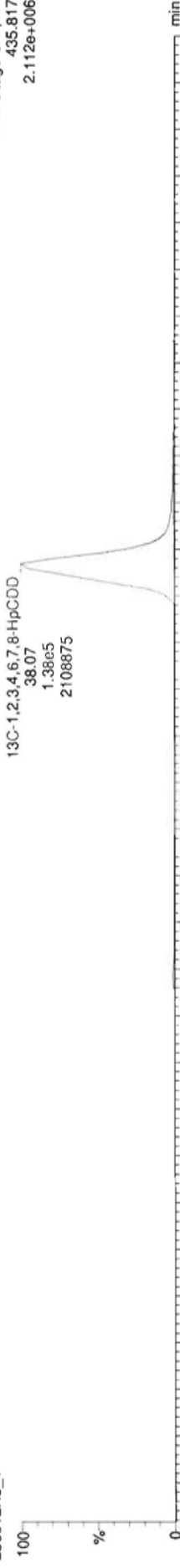


230612R5_1

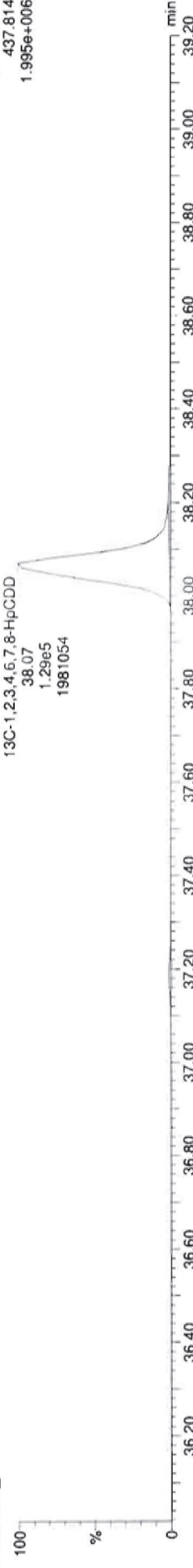


13C-1,2,3,4,6,7,8-HpCDD

230612R5_1

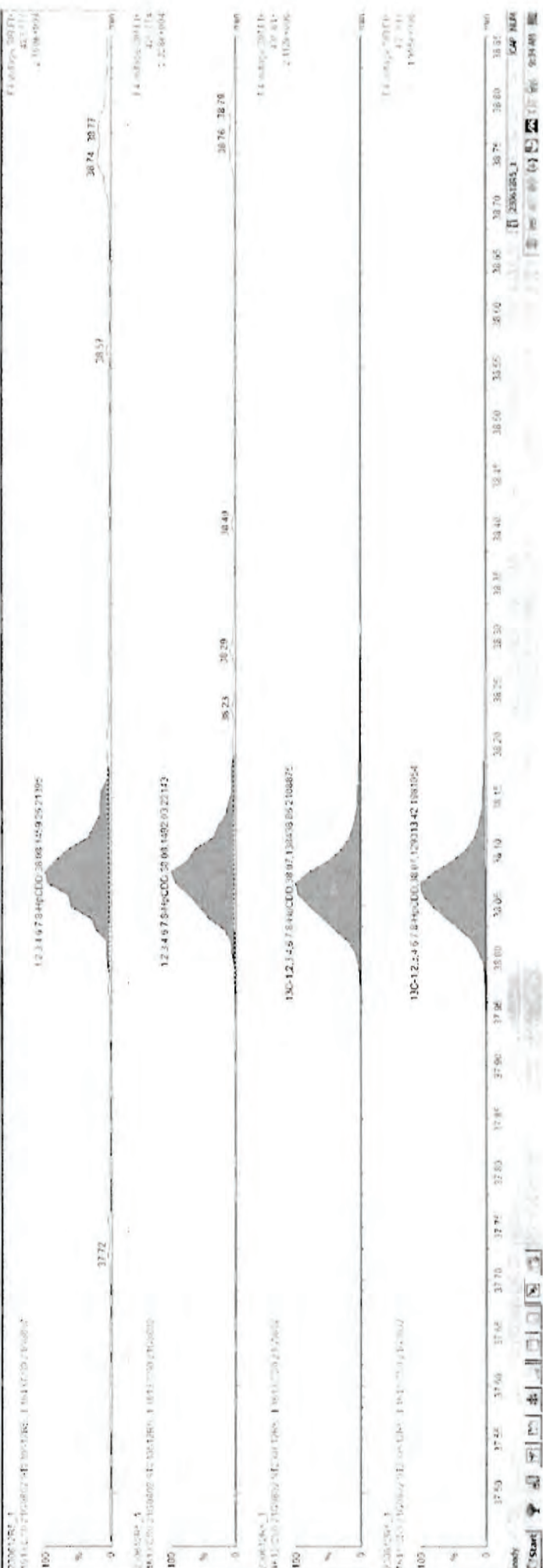


230612R5_1



230512RS_1 - ST230512RS_1 1613 CSD 21 G0602 - 1613 CSD 21 G0602

Line	Temp	RA	Dec	Ref	IntRef	Ref	RefT	Conc	AltRef	DL	EMPC
6	12.3467846CDO	2.843	8.98	1.00	1.00	1.00	1.00	1.11	94.9	0.011	1.11
7	10.000	4.443	8.93	1.00	1.00	1.00	1.00	2.21	28.4	0.024	2.21
8	12.3467846CDO	4.562	8.92	1.00	1.00	1.00	1.00	2.21	28.4	0.024	2.21
9	12.3467846CDO	4.723	8.98	1.00	1.00	1.00	1.00	1.04	32.4	0.024	1.04
10	12.3467846CDO	5.181	8.97	1.00	1.00	1.00	1.00	1.04	32.4	0.024	1.04
11	12.3467846CDO	4.112	12.31	1.00	1.00	1.00	1.00	1.02	31.8	0.022	1.02
12	12.3467846CDO	4.282	1.12	1.00	1.00	1.00	1.00	1.11	38.3	0.011	1.11
13	12.3467846CDO	4.385	1.12	1.00	1.00	1.00	1.00	1.11	38.3	0.011	1.11
14	12.3467846CDO	5.181	8.97	1.00	1.00	1.00	1.00	1.04	32.4	0.024	1.04
15	12.3467846CDO	3.242	1.00	1.00	1.00	1.00	1.00	1.04	32.4	0.024	1.04
16	12.3467846CDO	2.843	8.98	1.00	1.00	1.00	1.00	1.11	94.9	0.011	1.11
17	10.000	5.181	8.97	1.00	1.00	1.00	1.00	1.04	32.4	0.024	1.04
18	12.3467846CDO	4.844	5.77	1.00	1.00	1.00	1.00	1.04	32.4	0.024	1.04
19	12.3467846CDO	3.844	5.77	1.00	1.00	1.00	1.00	1.04	32.4	0.024	1.04
20	12.3467846CDO	3.844	5.77	1.00	1.00	1.00	1.00	1.04	32.4	0.024	1.04
21	12.3467846CDO	3.844	5.77	1.00	1.00	1.00	1.00	1.04	32.4	0.024	1.04
22	12.3467846CDO	3.844	5.77	1.00	1.00	1.00	1.00	1.04	32.4	0.024	1.04

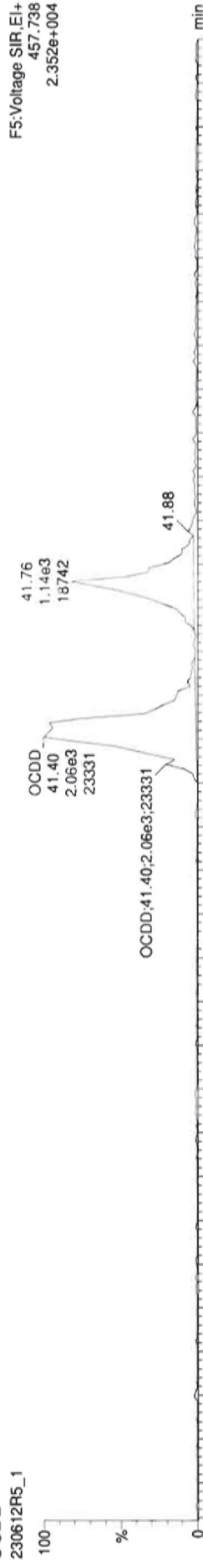


Dataset: Untitled

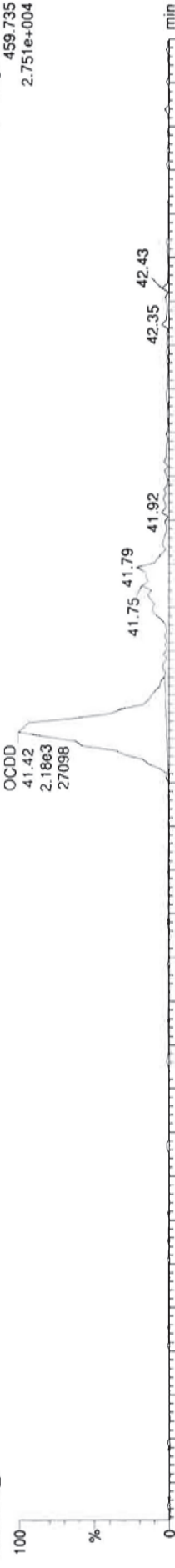
Last Altered: Tuesday, June 13, 2023 09:19:15 Pacific Daylight Time
 Printed: Tuesday, June 13, 2023 09:19:32 Pacific Daylight Time

Name: 230612R5_1, Date: 12-Jun-2023, Time: 18:51:34, ID: ST230612R5_1 1613 CS0 21G0802, Description: 1613 CS0 21G0802

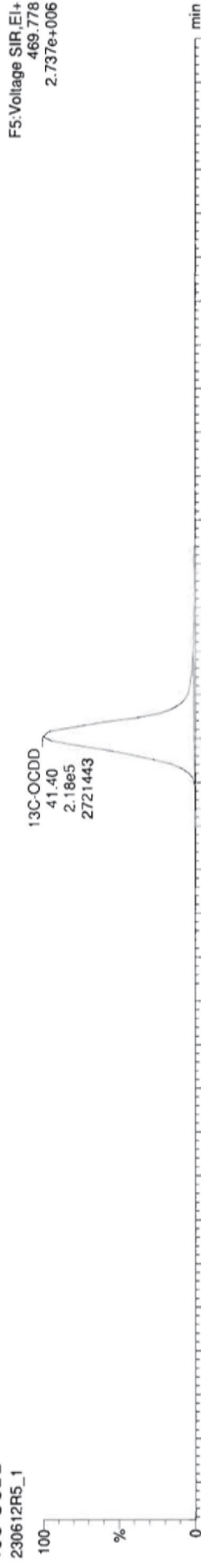
OCDD



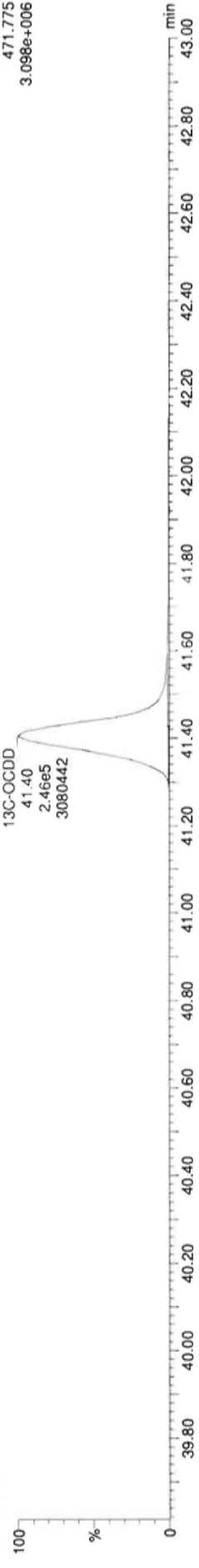
OCDD

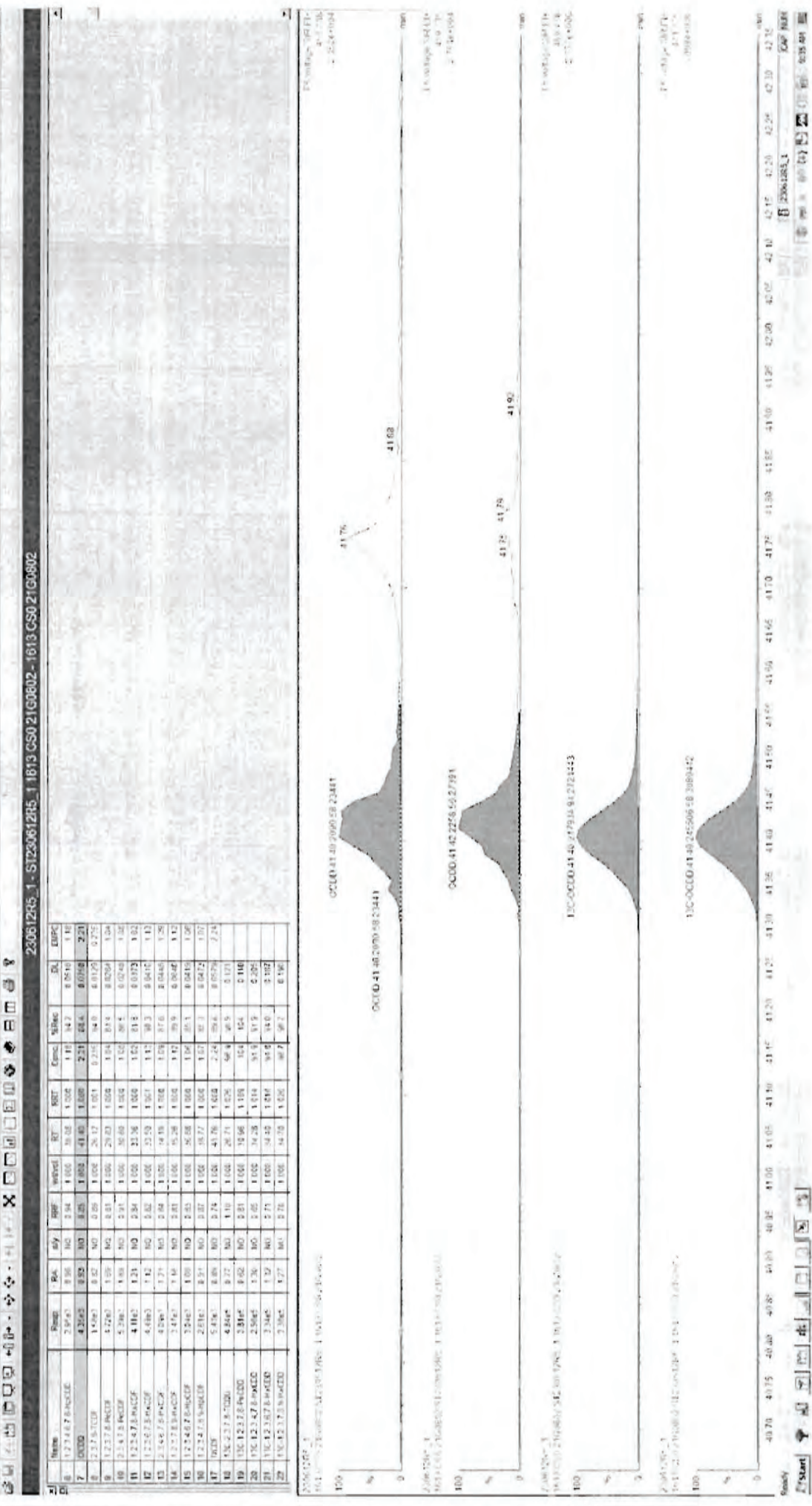


13C-OCDD



13C-OCDD





Dataset: Untitled

Last Altered: Tuesday, June 13, 2023 09:19:15 Pacific Daylight Time

Printed: Tuesday, June 13, 2023 09:19:32 Pacific Daylight Time

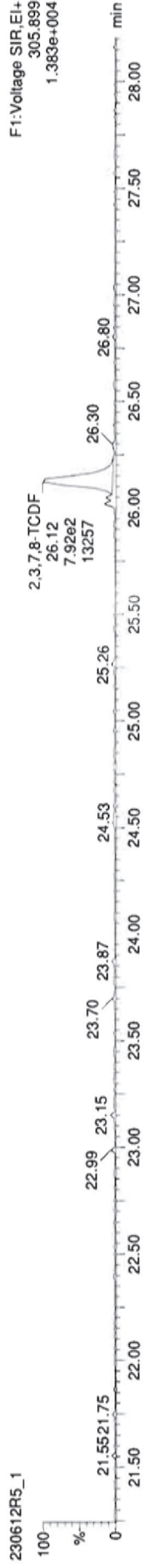
Name: 230612R5_1, Date: 12-Jun-2023, Time: 18:51:34, ID: ST230612R5_1 1613 CS0 21G0802, Description: 1613 CS0 21G0802

2,3,7,8-TCDF

230612R5_1

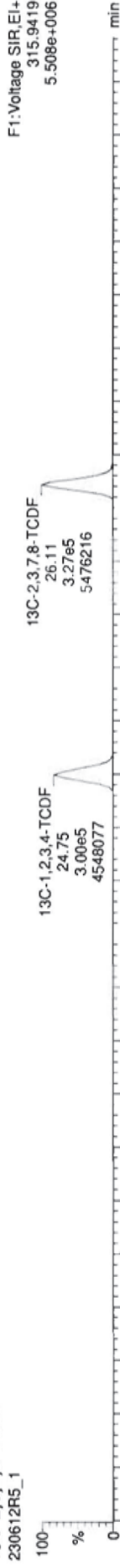


230612R5_1

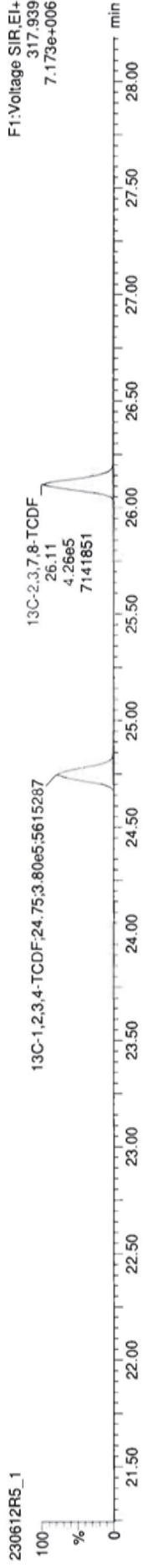


13C-2,3,7,8-TCDF

230612R5_1

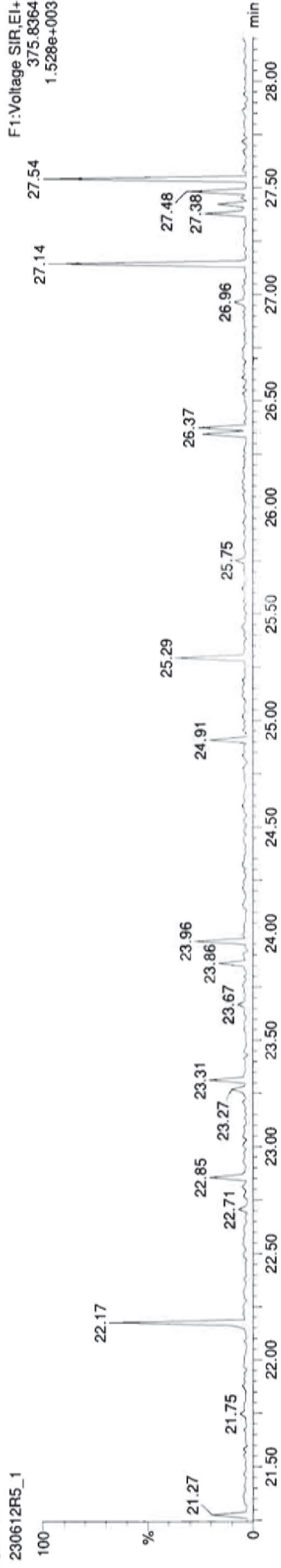


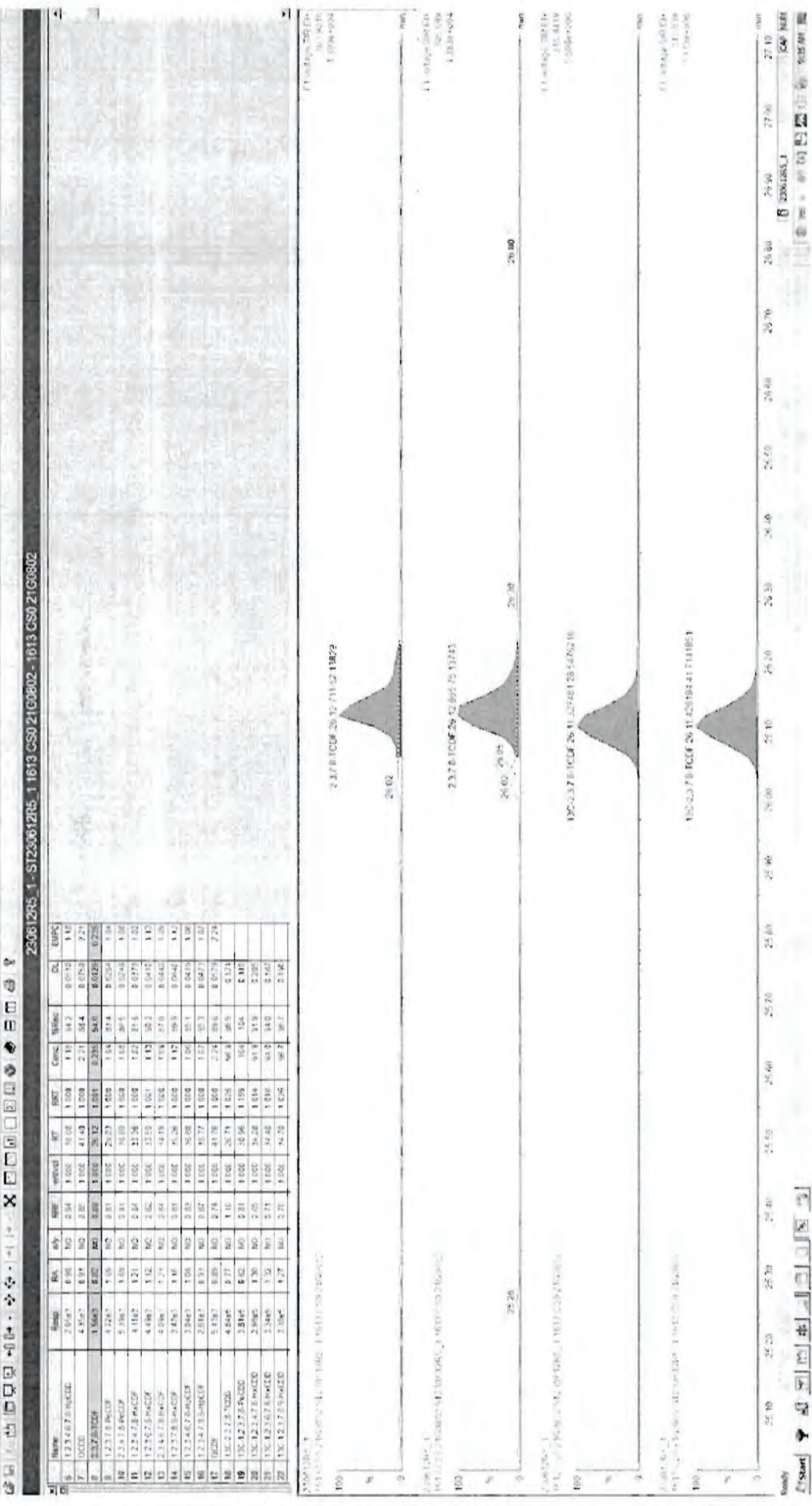
230612R5_1



DPE1

230612R5_1





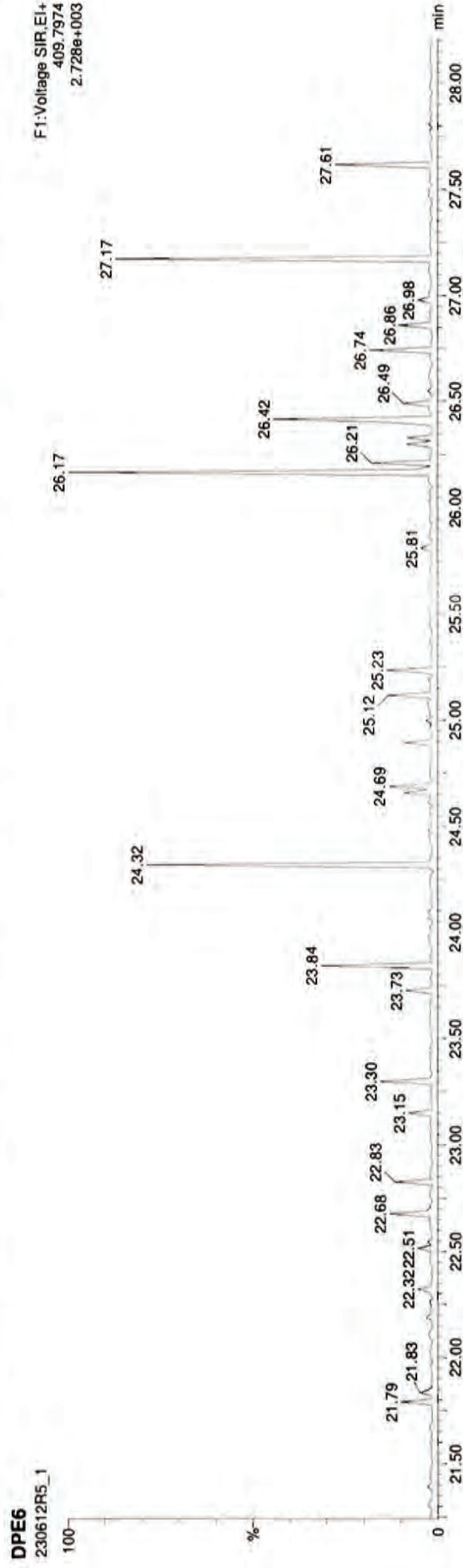
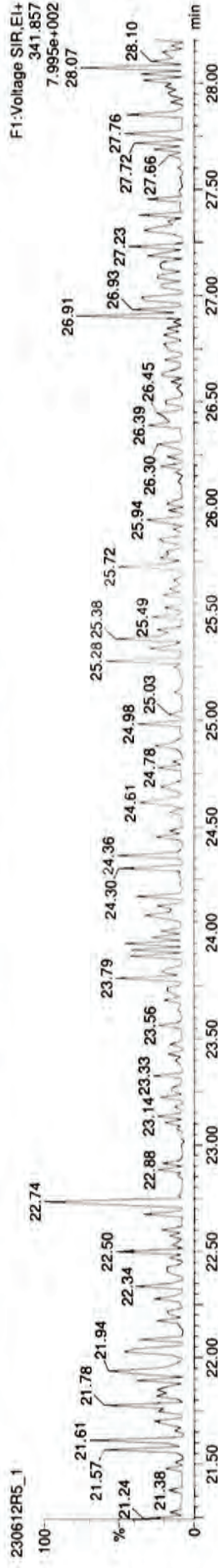
Peak	Retention Time (min)	Area	Height	Width	Signal-to-Noise Ratio	Integration Status
1	24.02	1.23	1.00	0.10	10.0	Integrated
2	24.05	1.23	1.00	0.10	10.0	Integrated
3	24.16	1.23	1.00	0.10	10.0	Integrated
4	24.18	1.23	1.00	0.10	10.0	Integrated

Dataset: Untitled

Last Altered: Tuesday, June 13, 2023 09:19:15 Pacific Daylight Time
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Name: 230612R5_1, Date: 12-Jun-2023, Time: 18:51:34, ID: ST230612R5_1 1613 CS0 21G0802, Description: 1613 CS0 21G0802

1st Func. Penta-Furans



Dataset: Untitled

Last Altered: Tuesday, June 13, 2023 09:15 Pacific Daylight Time
Printed: Tuesday, June 13, 2023 09:32 Pacific Daylight Time

Name: 230612R5_1, Date: 12-Jun-2023, Time: 18:51:34, ID: ST230612R5_1 1613 CS0 21G0802, Description: 1613 CS0 21G0802

1,2,3,7,8-PeCDF

230612R5_1



230612R5_1

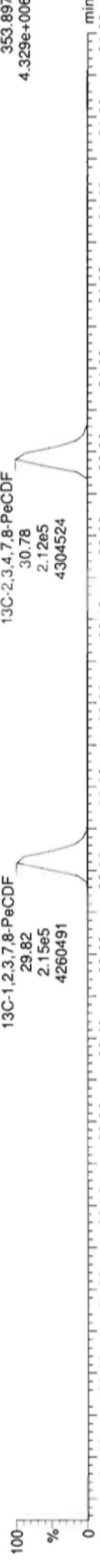


13C-1,2,3,7,8-PeCDF

230612R5_1

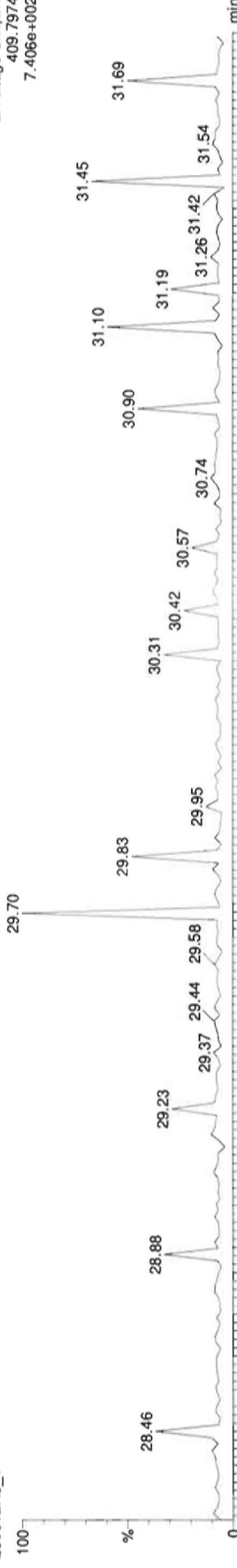


230612R5_1



DPE2

230612R5_1

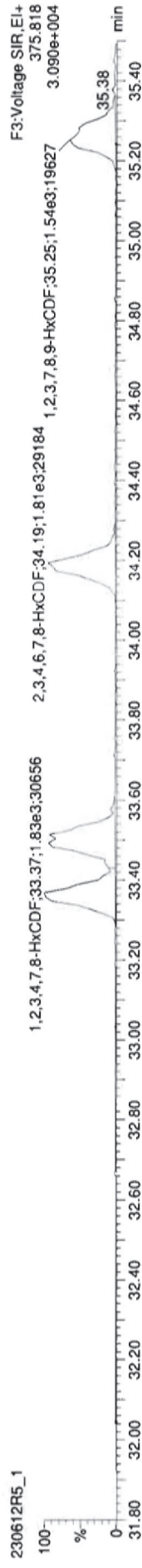
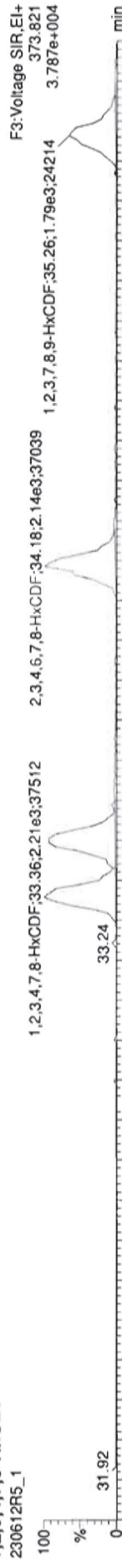


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Last Altered: Tuesday, June 13, 2023 09:15 Pacific Daylight Time

Printed: Tuesday, June 13, 2023 09:19:32 Pacific Daylight Time

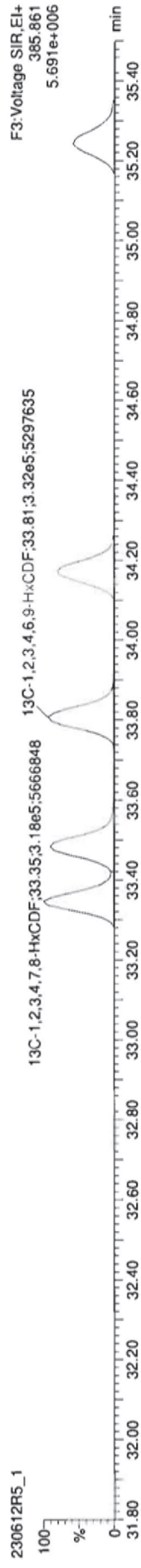
1,2,3,4,7,8-HxCDF



Chromatogram showing three peaks labeled with retention times and peak ratios:

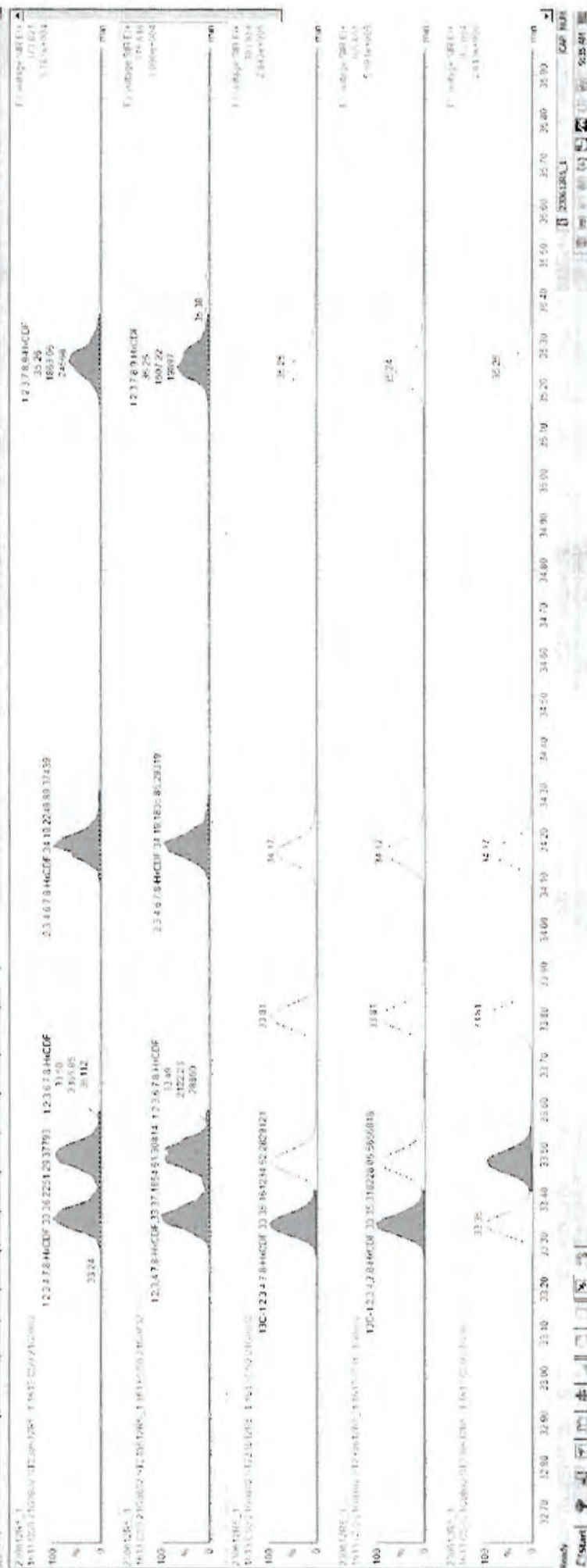
- Peak 1: 13C-1,2,3,4,7,8-HxCDF:33.35;1.61e5:2829121
- Peak 2: 13C-1,2,3,4,6,9-HxCDF:33.81;1.69e5:2808702
- Peak 3: 13C-1,2,3,4,6,9-HxCDF:33.81;1.69e5:2808702

The x-axis is labeled 'min' and the y-axis is labeled '%'. The baseline is stable at approximately 100%.



Chromatogram plot showing detector response over time. The x-axis is labeled 'min' and ranges from 31.80 to 35.40. The y-axis is labeled '%' and ranges from 0 to 100. The plot shows a baseline with several sharp peaks. The peaks are labeled with their retention times: 32.03, 32.10, 32.70, 32.81, 32.84, 33.05, 33.54, 33.56, 33.86, 34.01, 34.41, 34.48, 34.53, 34.66, 34.82, 34.93, 34.97, 35.06, 35.11, 35.36, and 35.41. The peak at 34.97 is the most prominent, reaching nearly 100% on the y-axis scale.

Name	Emplo	RA	RFV	RNP	verific	RT	RMT	Comc	%Rec	CL	EUPEC
42 Total Registre-Devises				0.94	1.000			1.10		0.12	
43 Total Registre-Devises				0.96	1.000			0.229		0.129	0.25
44 Total Registre-Devises-Cuadra				0.61	1.006					0.000-02	
45 Total Registre-Devises				0.61	1.006			0.12		0.021	0.12
46 Total Registre-Devises				0.61	1.006			0.12		0.021	0.12
47 Total Registre-Devises				0.61	1.006			0.12		0.021	0.12
48 Total Registre-Devises				0.61	1.006			0.12		0.021	0.12
49 Total Registre-Devises				0.61	1.006			0.12		0.021	0.12
50 Total Registre-Devises				0.61	1.006			0.12		0.021	0.12
51 Total Registre-Devises				0.61	1.006			0.12		0.021	0.12
52 Total Registre-Devises				0.61	1.006			0.12		0.021	0.12
53 Total Registre-Devises				0.61	1.006			0.12		0.021	0.12
54 Total Registre-Devises				0.61	1.006			0.12		0.021	0.12
55 Total Registre-Devises				0.61	1.006			0.12		0.021	0.12



Dataset: Untitled

Last Altered: Tuesday, June 13, 2023 09:19:15 Pacific Daylight Time

Printed: Tuesday, June 13, 2023 09:19:32 Pacific Daylight Time

Name: 230612R5_1, Date: 12-Jun-2023, Time: 18:51:34, ID: ST230612R5_1 1613 CS0 21G0802, Description: 1613 CS0 21G0802

1,2,3,4,6,7,8-HpCDF

230612R5_1

1,2,3,4,6,7,8-HpCDF;36.88;1.55e3;22779

F4: Voltage SIR, EI+
407.782
2.300e+004



230612R5_1

1,2,3,4,6,7,8-HpCDF;36.88;1.40e3;19157

F4: Voltage SIR, EI+
409.779
2.031e+004



13C-1,2,3,4,6,7,8-HpCDF

230612R5_1

13C-1,2,3,4,6,7,8-HpCDF;36.87;1.04e5;1511532

F4: Voltage SIR, EI+
417.825
1.513e+006



230612R5_1

13C-1,2,3,4,6,7,8-HpCDF;36.87;2.42e5;3520179

F4: Voltage SIR, EI+
419.822
3.542e+006

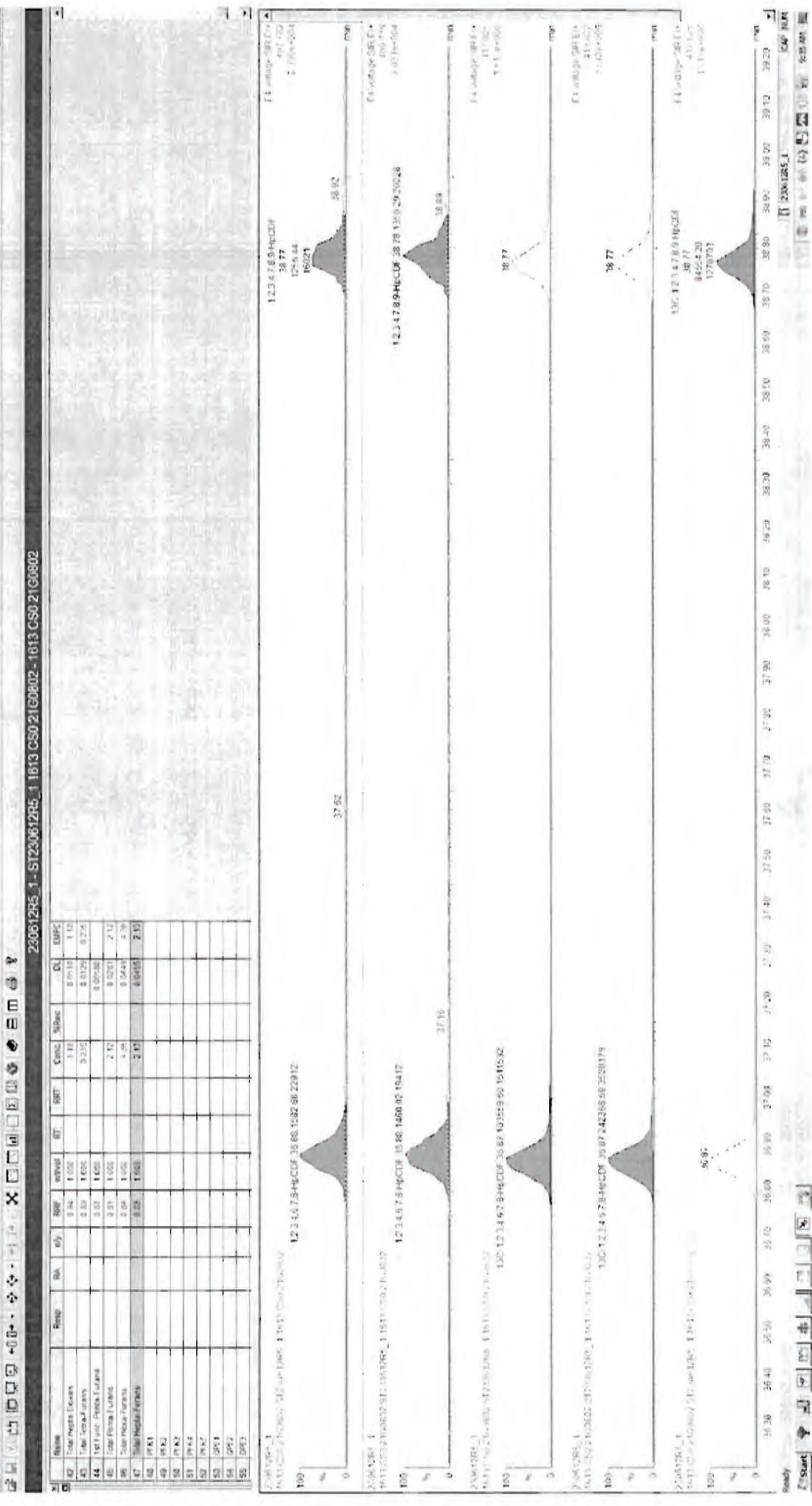


DPE4

230612R5_1

F4: Voltage SIR, EI+
479.7165
7.504e+002





Dataset: Untitled

Last Altered: Tuesday, June 13, 2023 09:19:15 Pacific Daylight Time
 Printed: Tuesday, June 13, 2023 09:19:32 Pacific Daylight Time

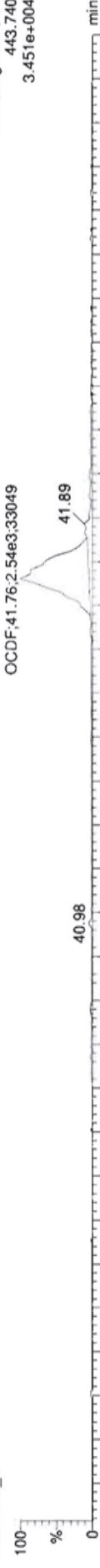
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OCDF

230612R5_1



230612R5_1



13C-OCDF

230612R5_1

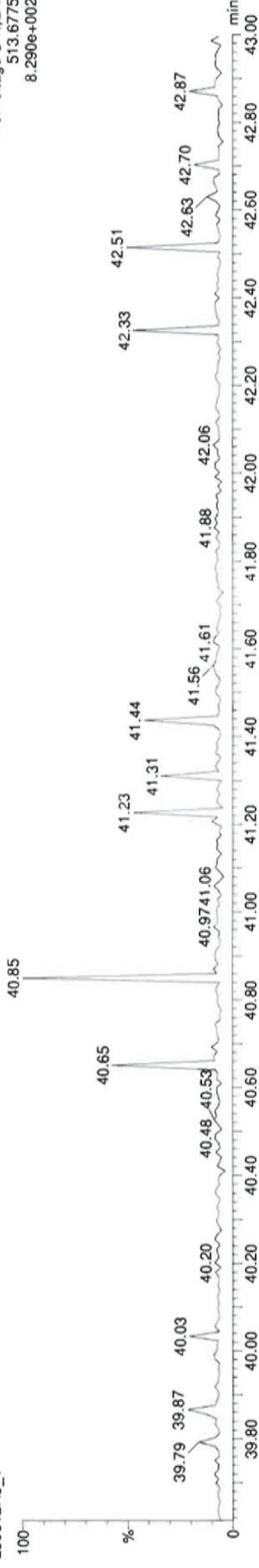


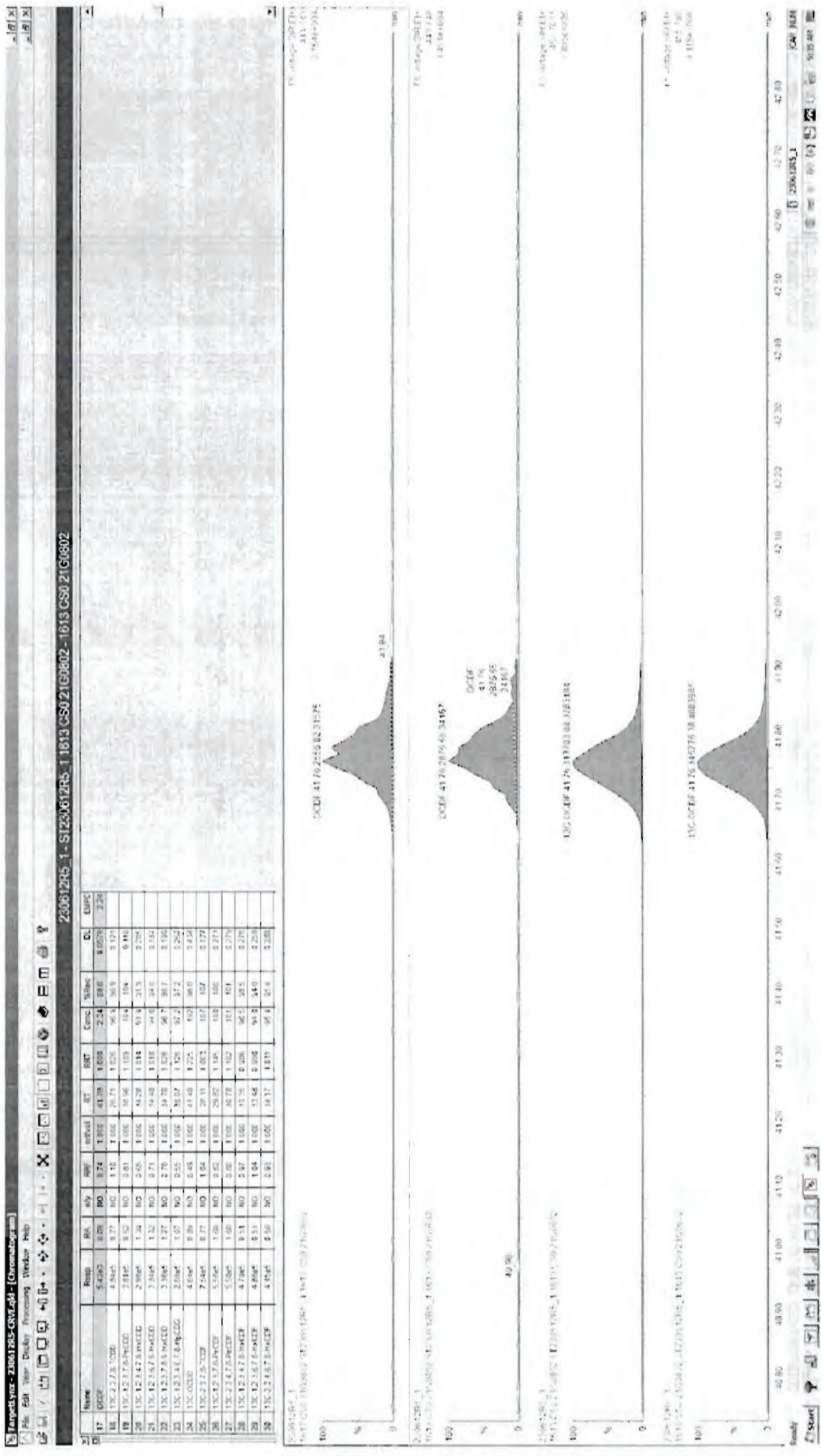
230612R5_1



DPE5

230612R5_1





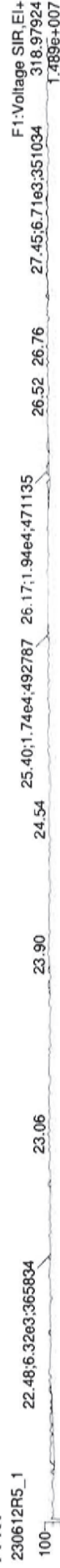
Dataset: Untitled

Last Altered: Tuesday, June 13, 2023 09:15 Pacific Daylight Time

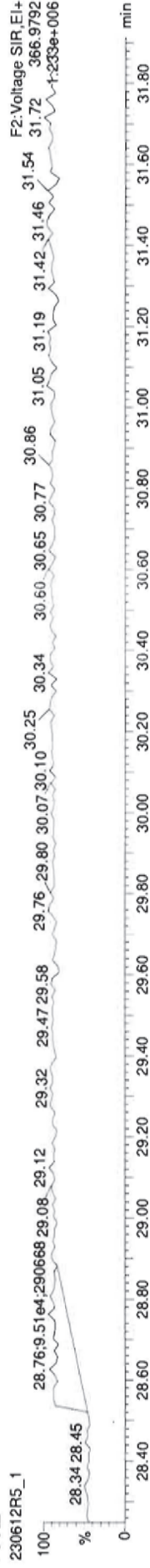
Printed: Tuesday, June 13, 2023 09:19:32 Pacific Daylight Time

Name: 230612R5_1, Date: 12-Jun-2023, Time: 18:51:34, ID: ST230612R5_1 1613 CS0 21G0802, Description: 1613 CS0 21G0802

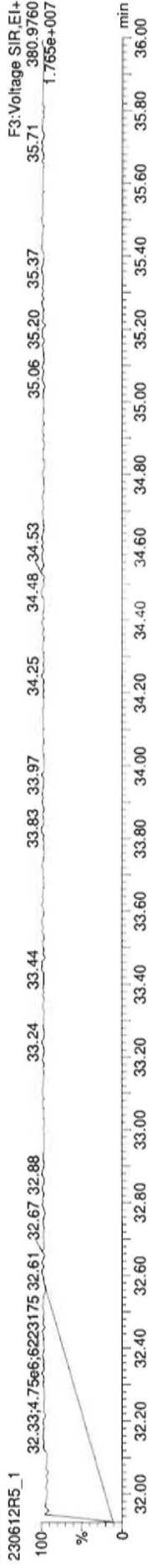
PFK1



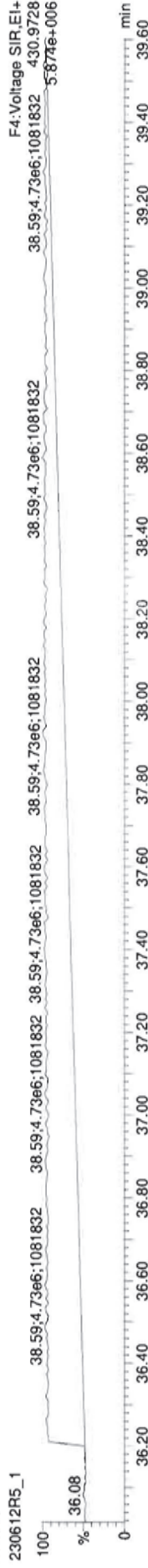
PFK2



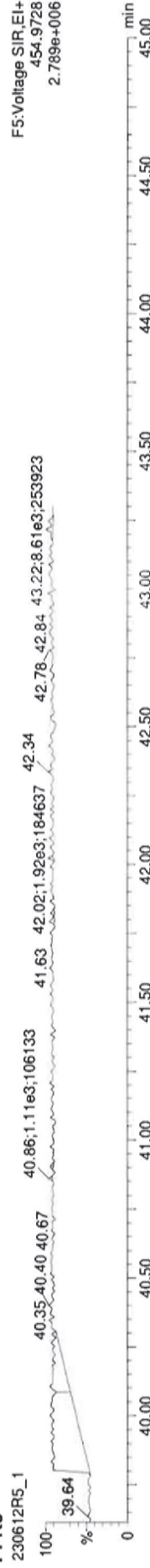
PFK3



PFK4



PFK5



Dataset: Untitled

Last Altered: Tuesday, June 13, 2023 09:19:15 Pacific Daylight Time
 Printed: Tuesday, June 13, 2023 09:19:32 Pacific Daylight Time

Name: 230612R5_2, Date: 12-Jun-2023, Time: 19:37:03, ID: ST230612R5_2 1613 CS1 21G0803, Description: 1613 CS1 21G0803

2,3,7,8-TCDD

230612R5_2



F1: Voltage SIR, EI+
 319.8965
 1.629e+004

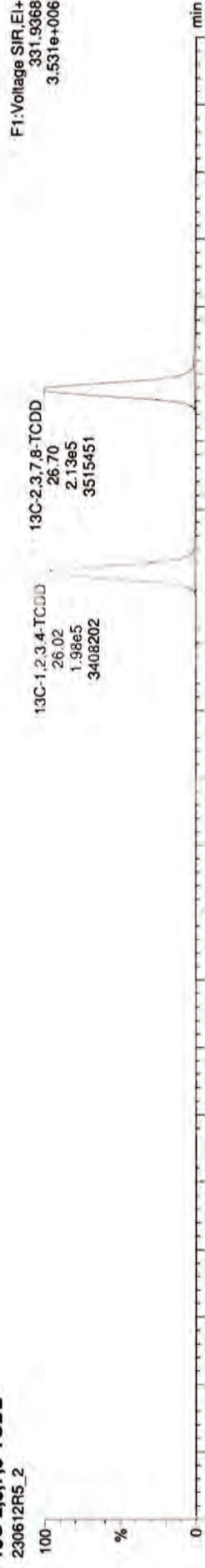
230612R5_2



F1: Voltage SIR, EI+
 321.894
 2.299e+004

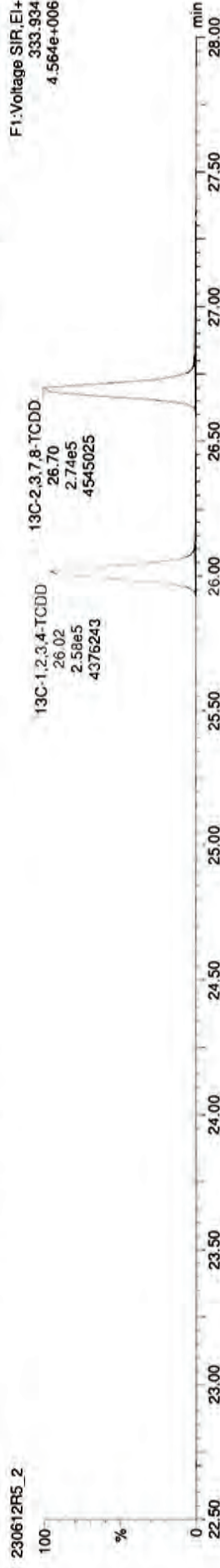
13C-2,3,7,8-TCDD

230612R5_2

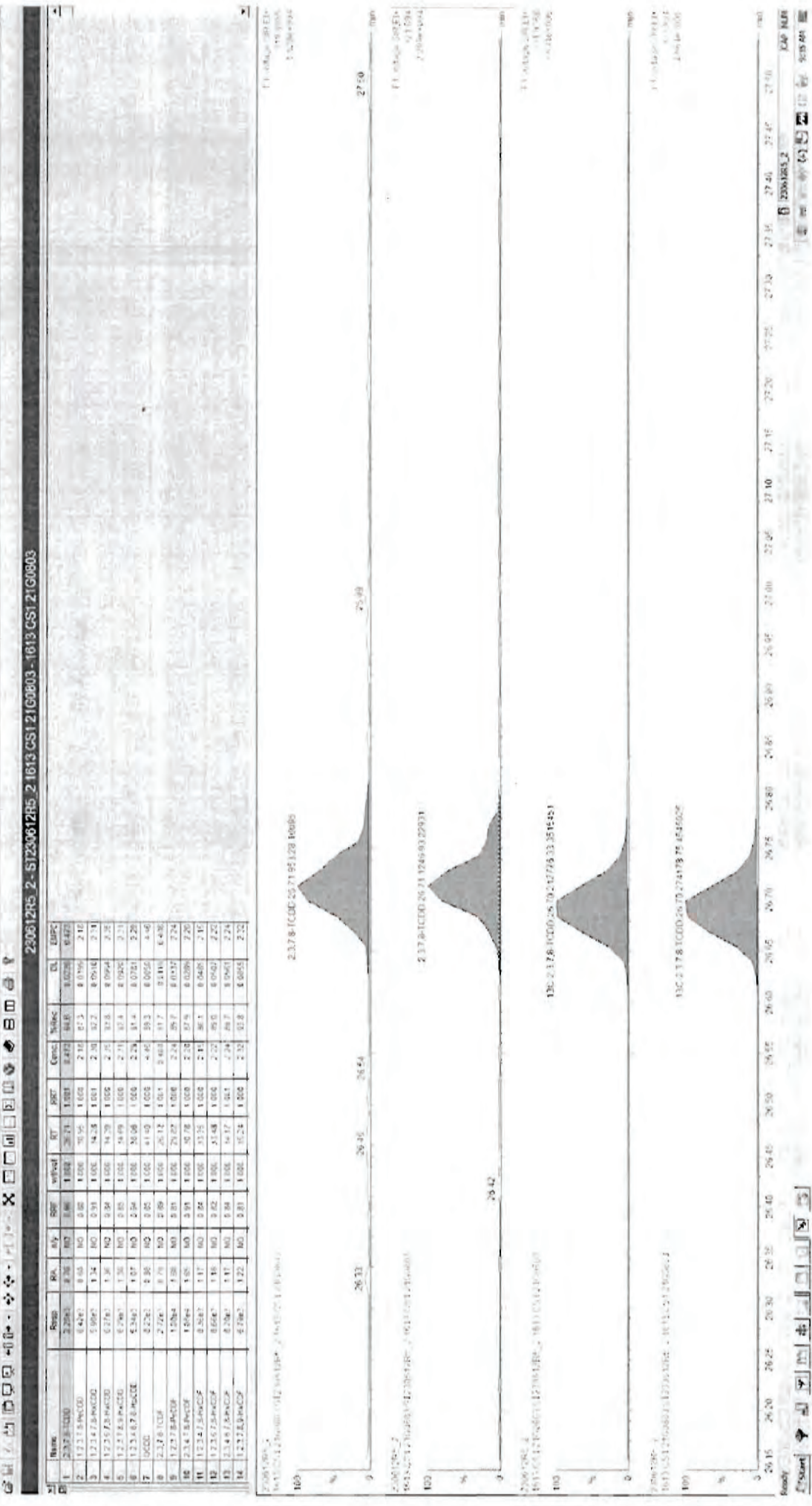


F1: Voltage SIR, EI+
 331.9368
 3.531e+006

230612R5_2



F1: Voltage SIR, EI+
 333.934
 4.564e+006



Dataset: Untitled

Last Altered: Tuesday, June 13, 2023 09:19:15 Pacific Daylight Time
Printed: Tuesday, June 13, 2023 09:19:32 Pacific Daylight Time

Name: 230612R5_2, Date: 12-Jun-2023, Time: 19:37:03, ID: ST230612R5_2 1613 CS1 21G0803, Description: 1613 CS1 21G0803

37Cl-2,3,7,8-TCDD

230612R5_2

100

37Cl-2,3,7,8-TCDD
26.71
1.83e3
28412

F1: Voltage SIR, EI+
327.884
2.848e+004

%



13C-1,2,3,4-TCDD

230612R5_2

100

13C-1,2,3,4-TCDD
26.02
1.98e5
3408202

13C-2,3,7,8-TCDD
26.70
2.13e5
3515451

F1: Voltage SIR, EI+
331.9368
3.531e+006

%



230612R5_2

100

13C-1,2,3,4-TCDD
26.02
2.58e5
4376243

13C-2,3,7,8-TCDD
26.70
2.74e5
4545025

F1: Voltage SIR, EI+
333.934
4.564e+006

%



Enthalpy Analytical EDH VG-12

Dataset: Untitled

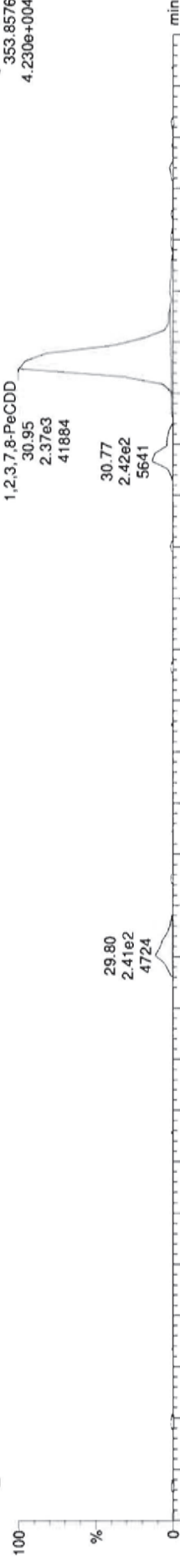
Last Altered: Tuesday, June 13, 2023 09:19:15 Pacific Daylight Time

Printed: Tuesday, June 13, 2023 09:19:32 Pacific Daylight Time

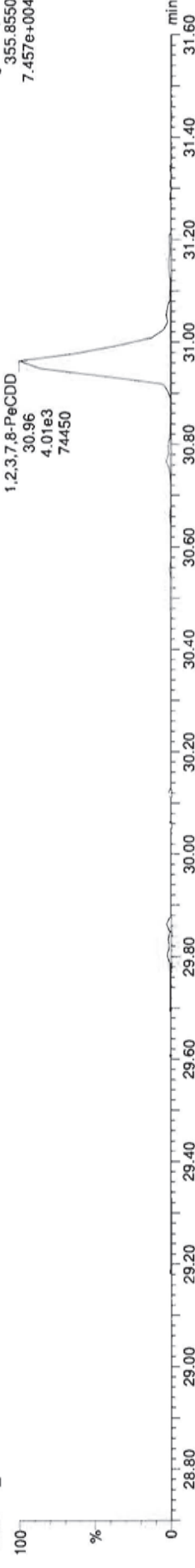
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1,2,3,7,8-PeCDD

230612R5_2



230612R5_2



13C-1,2,3,7,8-PeCDD

230612R5_2



230612R5_2



Item	Name	Comp	RA	Ref	RefVal	RT	RSR	Circ	%Rec	QL	ELPC
1	2.378.122C	2.75e+3	0.76	NO	1.000	26.71	1.001	0.471	94.8	0.028	0.471
2	12.378.122C	8.00e+3	0.80	NO	1.000	36.85	1.000	2.160	87.3	0.086	2.160
3	12.378.122C	5.50e+3	1.34	NO	1.000	54.28	1.001	2.760	87.2	0.0910	2.760
4	12.378.122C	6.27e+3	1.30	NO	1.000	54.78	1.000	2.760	87.3	0.0904	2.760
5	12.378.122C	6.29e+3	1.30	NO	1.000	54.79	1.000	2.760	87.3	0.0904	2.760
6	12.378.122C	5.34e+3	1.07	NO	1.000	36.86	1.000	2.160	87.3	0.0860	2.160
7	12.378.122C	2.75e+3	0.76	NO	1.000	26.71	1.001	0.471	94.8	0.028	0.471
8	12.378.122C	2.75e+3	0.76	NO	1.000	26.71	1.001	0.471	94.8	0.028	0.471
9	12.378.122C	1.30e+3	0.80	NO	1.000	36.85	1.000	2.160	87.3	0.0860	2.160
10	12.378.122C	1.30e+3	0.80	NO	1.000	36.85	1.000	2.160	87.3	0.0860	2.160
11	12.378.122C	1.30e+3	0.80	NO	1.000	36.85	1.000	2.160	87.3	0.0860	2.160
12	12.378.122C	1.30e+3	0.80	NO	1.000	36.85	1.000	2.160	87.3	0.0860	2.160
13	12.378.122C	1.30e+3	0.80	NO	1.000	36.85	1.000	2.160	87.3	0.0860	2.160
14	12.378.122C	1.30e+3	0.80	NO	1.000	36.85	1.000	2.160	87.3	0.0860	2.160

230512R5 2
1613 CSI 21G0603 - 1613 CSI 21G0603



230512R5 2
1613 CSI 21G0603 - 1613 CSI 21G0603



230512R5 2
1613 CSI 21G0603 - 1613 CSI 21G0603



230512R5 2
1613 CSI 21G0603 - 1613 CSI 21G0603



Dataset: Untitled

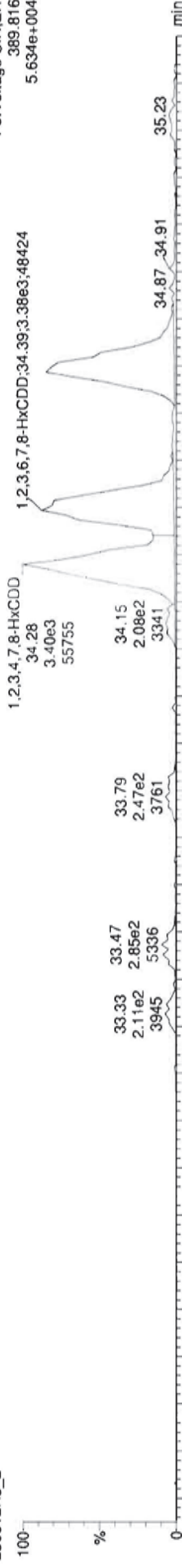
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Printed: Tuesday, June 13, 2023 09:19:32 Pacific Daylight Time

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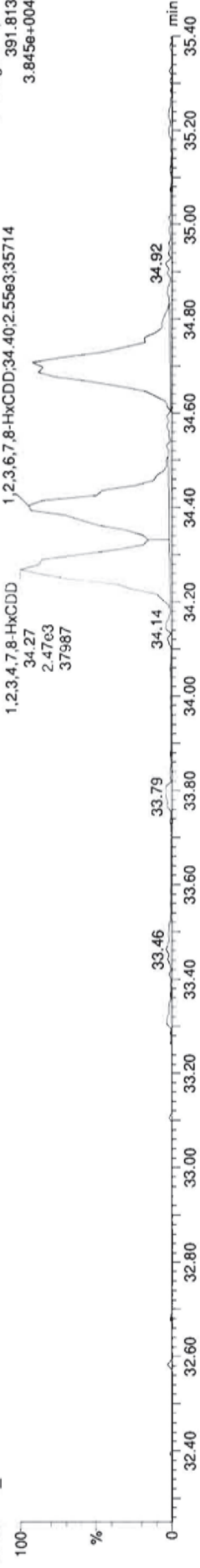
1,2,3,4,7,8-HxCDD

230612R5_2



F3: Voltage SIR, EI+
389.816
5.634e+004

230612R5_2



F3: Voltage SIR, EI+
391.813
3.845e+004

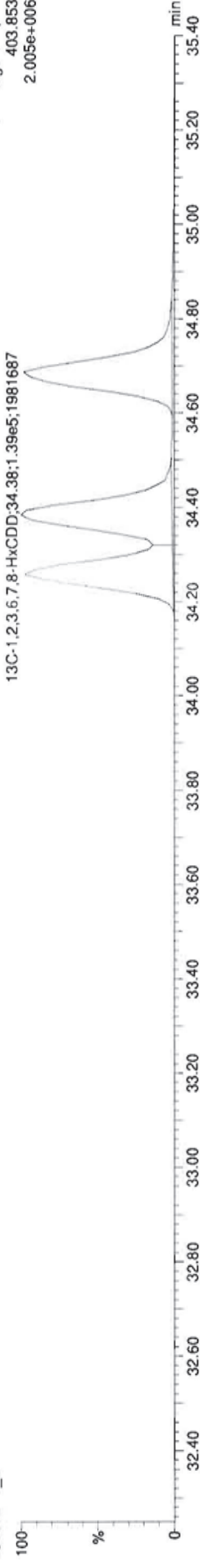
13C-1,2,3,4,7,8-HxCDD

230612R5_2



F3: Voltage SIR, EI+
401.856
2.588e+006

230612R5_2



F3: Voltage SIR, EI+
403.853
2.005e+006

