

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN012023\
 Data File : BN023735.D
 Acq On : 20 Jan 2023 19:59
 Operator : CG/JU
 Sample : 01146-16ME
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 A4470ME

Integration Parameters: LSCINT.P

Integrator: RTE

Smoothing : OFF

Filtering: 5

Sampling : 1

Min Area: 0.1 % of largest Peak

Start Thrs: 0.2

Max Peaks: 100

Stop Thrs : 0

Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >

Peak separation: 5

Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\SFAM-EPA-BN010523.M
 Title : SVOA CALIBRATION

Signal : TIC: BN023735.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	3.275	28	32	45	rVB	46690	64914	0.25%	0.043%
2	3.699	101	104	127	rBV	547936	811211	3.11%	0.533%
3	7.058	668	675	688	rVB	696449	1095959	4.20%	0.720%
4	7.222	695	703	713	rBV	582083	883106	3.38%	0.580%
5	7.422	729	737	746	rBV	719175	1103616	4.23%	0.725%
6	7.893	807	817	822	rBV	768542	1164841	4.46%	0.765%
7	7.957	822	828	842	rVB	2982720	4357471	16.69%	2.862%
8	8.604	930	938	949	rBV	881618	1359618	5.21%	0.893%
9	9.063	1008	1016	1025	rBV	674579	1078068	4.13%	0.708%
10	9.787	1130	1139	1150	rBV	529265	851142	3.26%	0.559%
11	10.322	1222	1230	1243	rBV	811636	1297334	4.97%	0.852%
12	10.704	1287	1295	1302	rVB	1038183	1663380	6.37%	1.093%
13	10.846	1312	1319	1334	rBV	854833	1445915	5.54%	0.950%
14	13.275	1725	1732	1739	rBV	245197	311686	1.19%	0.205%
15	13.951	1839	1847	1855	rBV	1559265	2057550	7.88%	1.352%
16	14.234	1889	1895	1906	rVB	1760650	2467826	9.45%	1.621%
17	14.539	1940	1947	1956	rVB	1558563	2210641	8.47%	1.452%
18	14.663	1962	1968	1973	rVB	53726	71758	0.27%	0.047%
19	14.734	1974	1980	1996	rBV	330935	501479	1.92%	0.329%
20	15.534	2109	2116	2123	rBV	2169472	3065313	11.74%	2.014%
21	15.651	2130	2136	2146	rBV	221307	295260	1.13%	0.194%
22	15.792	2152	2160	2171	rVB	2466728	3587654	13.74%	2.357%
23	15.898	2172	2178	2184	rBV	138646	185044	0.71%	0.122%
24	16.128	2210	2217	2223	rVB	171149	220574	0.85%	0.145%
25	16.233	2229	2235	2240	rBV	149080	198250	0.76%	0.130%
26	16.398	2258	2263	2273	rVB	437441	594828	2.28%	0.391%
27	16.516	2277	2283	2290	rBV	1497114	1914581	7.33%	1.258%
28	16.816	2328	2334	2340	rVB	1127982	1452991	5.57%	0.954%
29	17.063	2369	2376	2387	rVB5	16066	32318	0.12%	0.021%
30	17.163	2387	2393	2397	rBV2	2968677	4292998	16.45%	2.820%
31	17.204	2397	2400	2406	rVB	2346548	2951406	11.31%	1.939%
32	17.281	2406	2413	2418	rBV2	2289949	4746363	18.18%	3.118%
33	17.386	2425	2431	2438	rVV	2310777	3143948	12.04%	2.065%
34	17.463	2438	2444	2454	rVB	3199533	4501004	17.24%	2.957%
35	17.575	2459	2463	2471	rVB	26192	41107	0.16%	0.027%
36	17.651	2472	2476	2483	rVB3	52218	93704	0.36%	0.062%

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Integration Parameters: LSCINT.P

Integrator: RTE

Smoothing : OFF

Filtering: 5

Sampling : 1

Min Area: 0.1 % of largest Peak

Start Thrs: 0.2

Max Peaks: 100

Stop Thrs : 0

Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >

Peak separation: 5

Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\SFAM-EPA-BN010523.M
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37	17.739	2485	2491	2494	rBV	926107	1245100	4.77%	0.818%
38	17.769	2494	2496	2502	rVB	502288	576096	2.21%	0.378%
39	17.833	2502	2507	2509	rBV2	21258	26333	0.10%	0.017%
40	17.892	2509	2517	2525	rVB	6432052	12458172	47.73%	8.184%
41	18.016	2530	2538	2544	rBV2	2192230	3585333	13.74%	2.355%
42	18.086	2544	2550	2554	rBV	307804	421641	1.62%	0.277%
43	18.139	2554	2559	2563	rVV	2492558	3221599	12.34%	2.116%
44	18.192	2563	2568	2575	rVB	1019050	1424065	5.46%	0.935%
45	18.304	2582	2587	2591	rBV	414643	535409	2.05%	0.352%
46	18.363	2591	2597	2603	rVV	3761952	5172436	19.82%	3.398%
47	18.422	2603	2607	2610	rVV	3056826	3748425	14.36%	2.462%
48	18.463	2610	2614	2620	rVB	2630424	3200532	12.26%	2.102%
49	18.645	2638	2645	2650	rBV	3458260	4938079	18.92%	3.244%
50	18.692	2650	2653	2657	rVV	1375136	1649471	6.32%	1.084%
51	18.745	2657	2662	2665	rVV	1386147	1793030	6.87%	1.178%
52	18.780	2665	2668	2671	rVV	1226785	1613776	6.18%	1.060%
53	18.822	2671	2675	2680	rVB	2632080	3433309	13.15%	2.255%
54	18.880	2682	2685	2687	rBV2	42621	53131	0.20%	0.035%
55	18.922	2687	2692	2697	rVB	747844	980057	3.75%	0.644%
56	18.992	2698	2704	2709	rBV	141864	183844	0.70%	0.121%
57	19.063	2712	2716	2721	rVB	135666	177079	0.68%	0.116%
58	19.127	2721	2727	2731	rBV	1090916	1361122	5.21%	0.894%
59	19.180	2731	2736	2738	rVV	1321022	1816361	6.96%	1.193%
60	19.216	2738	2742	2750	rVB2	1465553	2284181	8.75%	1.500%
61	19.292	2750	2755	2759	rBV2	171299	247250	0.95%	0.162%
62	19.427	2771	2778	2780	rBV2	308981	467969	1.79%	0.307%
63	19.480	2784	2787	2795	rVV	306687	454292	1.74%	0.298%
64	19.551	2795	2799	2804	rVB2	81685	104280	0.40%	0.069%
65	19.680	2815	2821	2827	rBV	2808738	3673480	14.07%	2.413%
66	19.751	2830	2833	2838	rVV	49186	64045	0.25%	0.042%
67	19.827	2842	2846	2849	rVV2	53668	66470	0.25%	0.044%
68	19.874	2851	2854	2857	rVV4	33061	39401	0.15%	0.026%
69	19.933	2860	2864	2868	rVV2	76641	96476	0.37%	0.063%
70	19.980	2869	2872	2876	rVB2	32643	41927	0.16%	0.028%
71	20.080	2886	2889	2893	rBV4	26300	32871	0.13%	0.022%
72	20.245	2914	2917	2921	rVB	69625	79748	0.31%	0.052%
73	20.557	2967	2970	2973	rBV	54811	60691	0.23%	0.040%
74	21.180	3072	3076	3088	rBV	508294	666329	2.55%	0.438%
75	21.398	3107	3113	3117	rBV	19437972	26102894	100.00%	17.147%
76	21.480	3122	3127	3133	rVB2	1964522	2518071	9.65%	1.654%

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Integration Parameters: LSCINT.P
Integrator: RTE
Smoothing : OFF Filtering: 5
Sampling : 1 Min Area: 0.1 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\SFAM-EPA-BN010523.M
Title : SVOA CALIBRATION

77	23.745	3505	3512	3526	rVB2	1465413	3175126	12.16%	2.086%
78	23.915	3534	3541	3551	rBV2	1159561	2324964	8.91%	1.527%

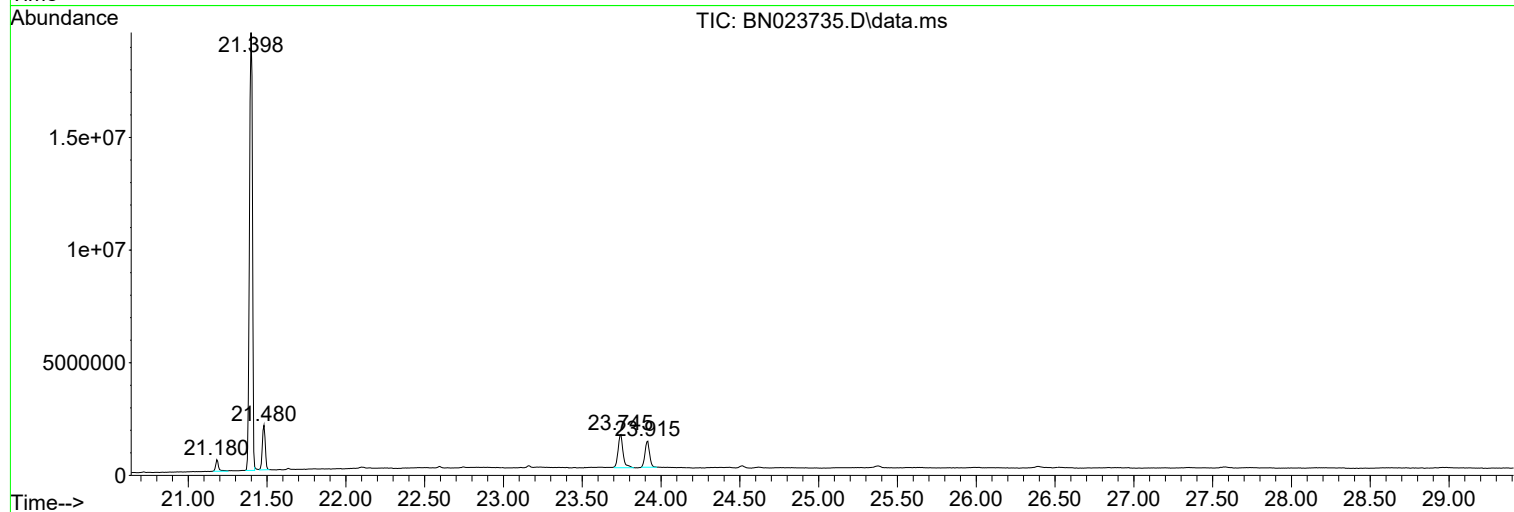
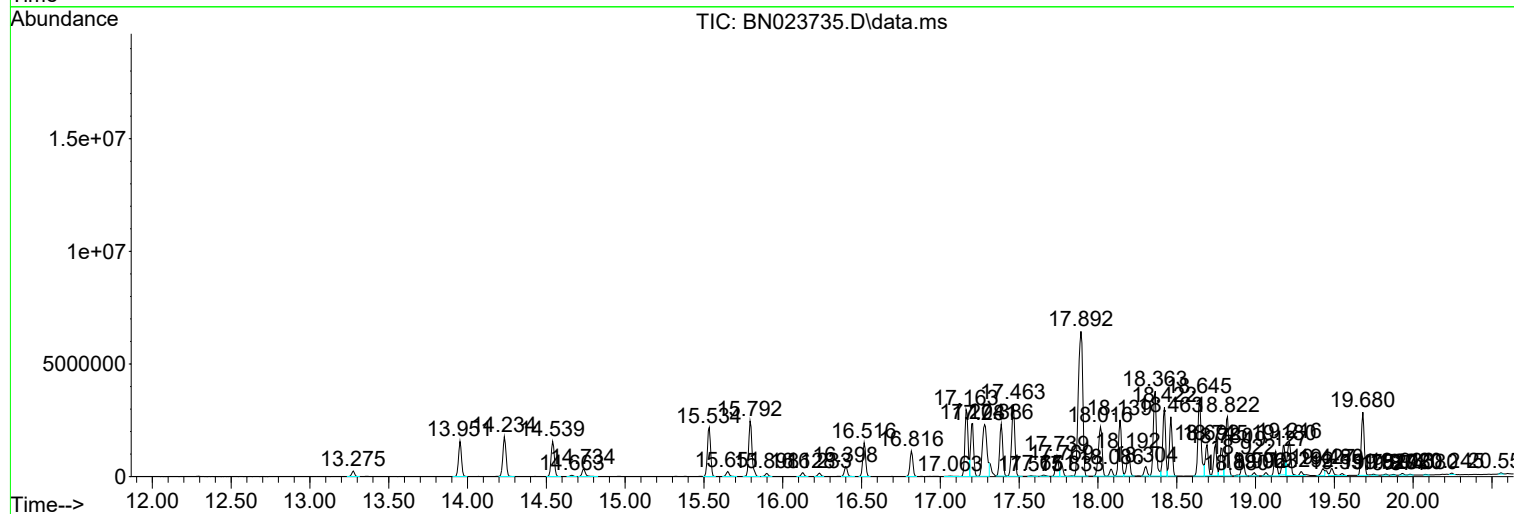
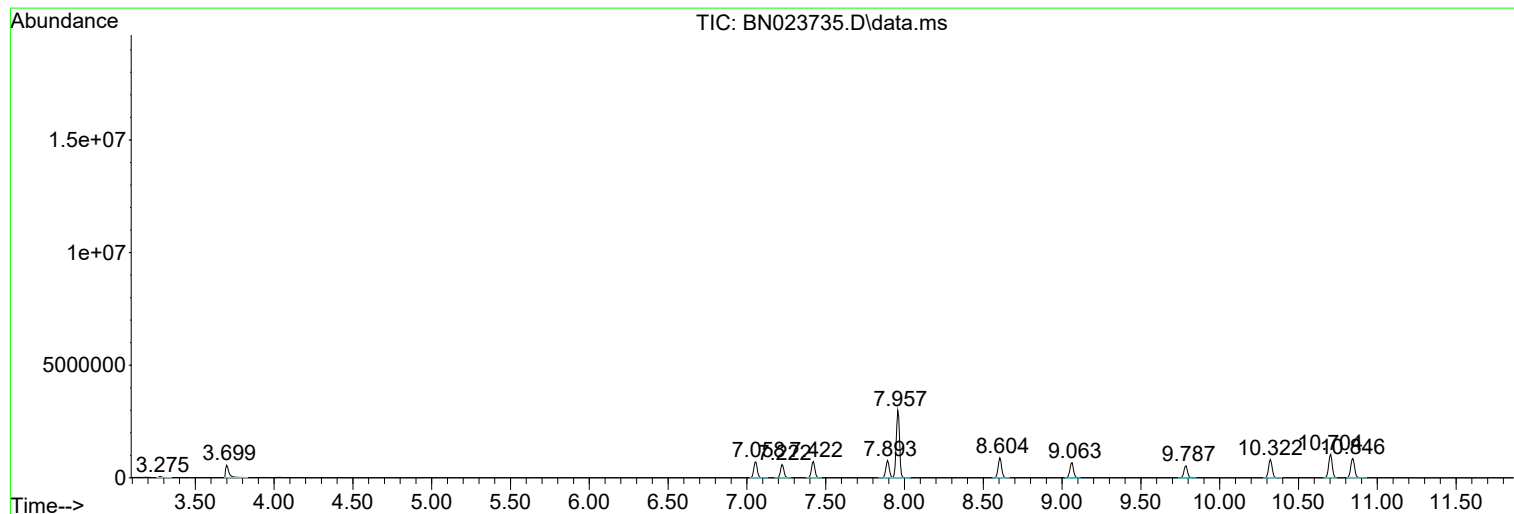
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Instrument :
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Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\SFAM-EPA-BN010523.M
Quant Title : SVOA CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P



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Sample : 01146-16ME
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Instrument :
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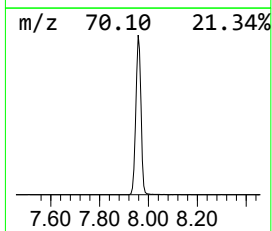
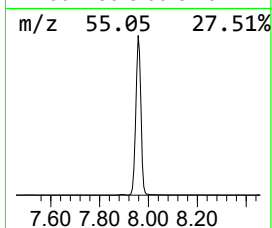
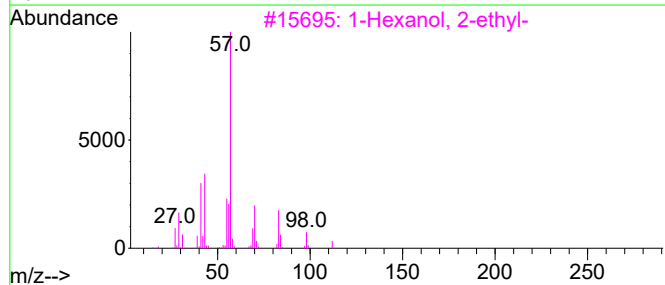
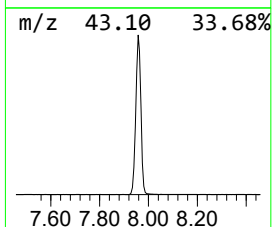
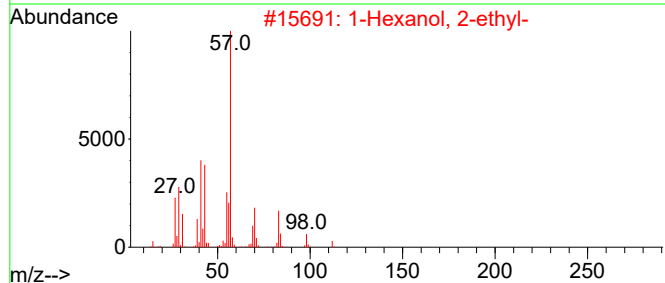
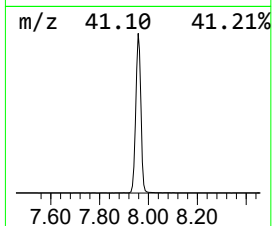
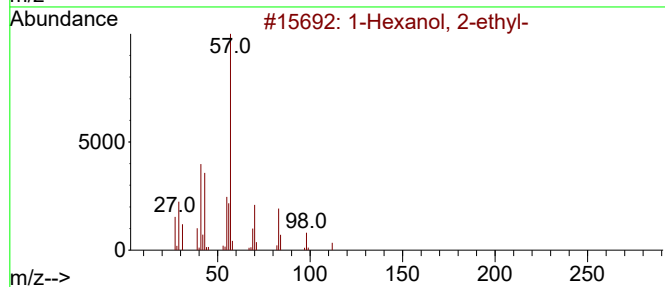
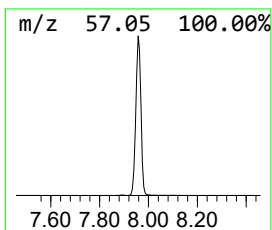
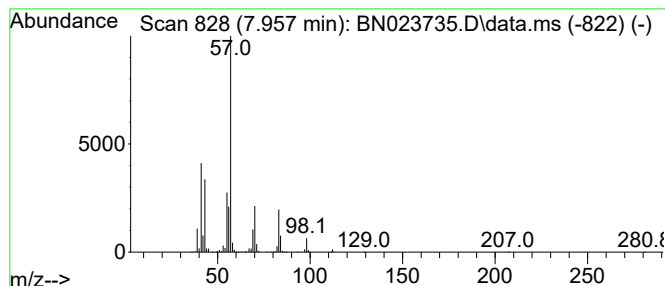
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\SFAM-EPA-BN010523.M
Quant Title : SVOA CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

Peak Number 1 1-Hexanol, 2-ethyl- Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.957	74.82 ng/ul	4357470	1,4-Dichlorobenzene-d4	7.893

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Hexanol, 2-ethyl-			130	C8H18O	000104-76-7	90
2	1-Hexanol, 2-ethyl-			130	C8H18O	000104-76-7	83
3	1-Hexanol, 2-ethyl-			130	C8H18O	000104-76-7	72
4	1-Hexanol, 2-ethyl-			130	C8H18O	000104-76-7	72
5	2-Propyl-1-pentanol			130	C8H18O	058175-57-8	50



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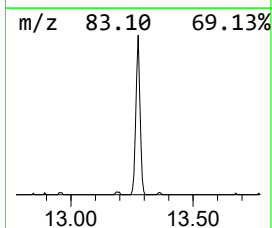
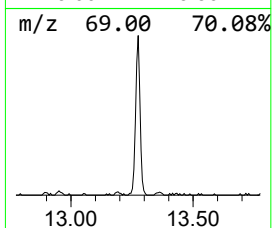
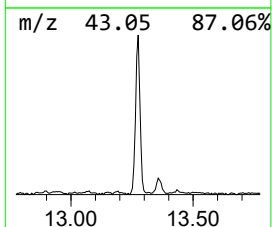
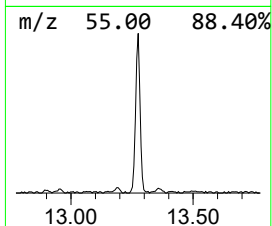
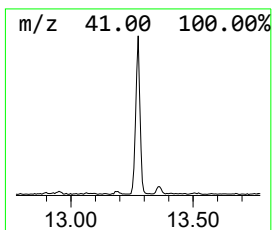
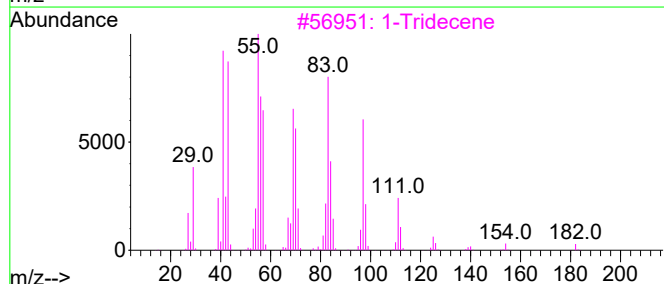
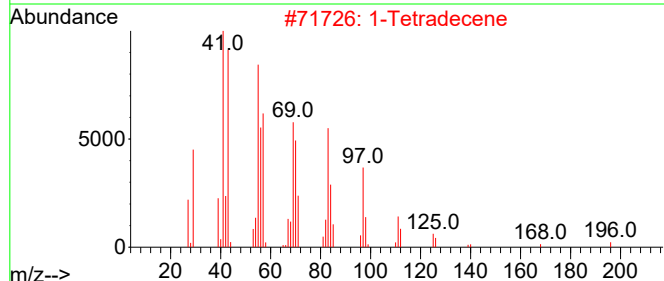
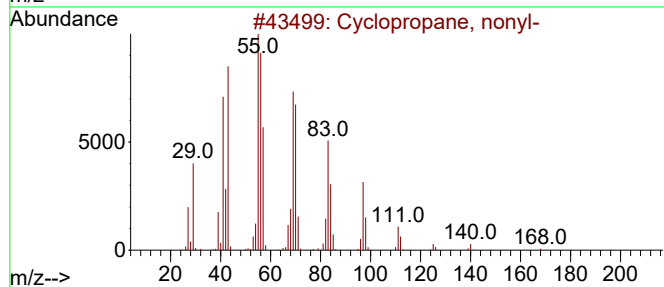
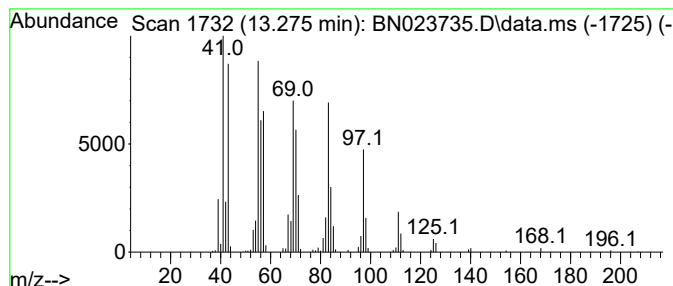
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\SFAM-EPA-BN010523.M
Quant Title : SVOA CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

Peak Number 2 (DEL) Alkane: Cyclic13.275 Concentration Rank 28

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.275	2.82 ng/ul	311686	Acenaphthene-d10	14.540

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Cyclopropane, nonyl-	168	C12H24	074663-85-7	93
2			1-Tetradecene	196	C14H28	001120-36-1	91
3			1-Tridecene	182	C13H26	002437-56-1	91
4			Cyclotetradecane	196	C14H28	000295-17-0	91
5			3-Tetradecene, (Z)-	196	C14H28	041446-67-7	91



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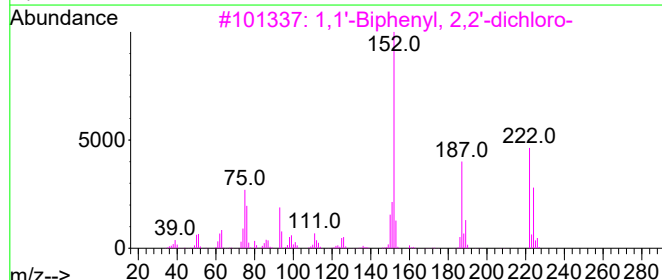
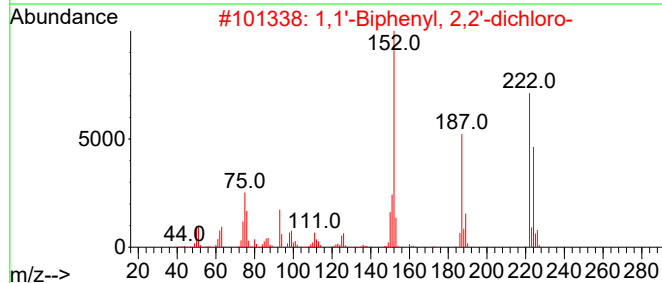
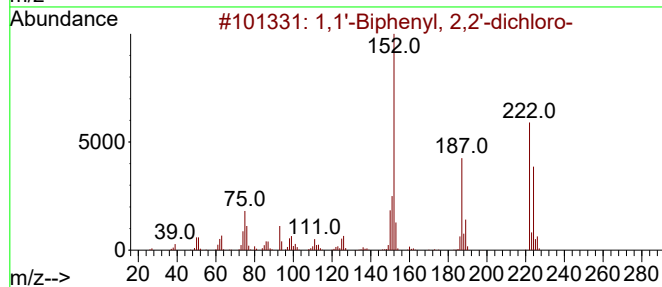
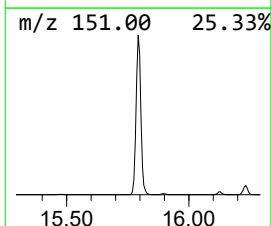
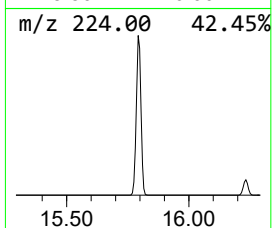
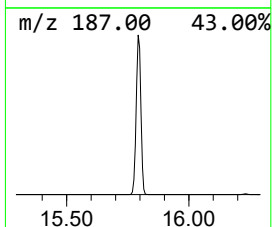
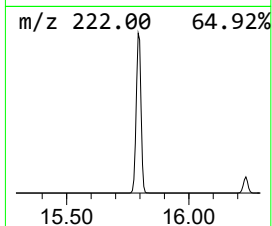
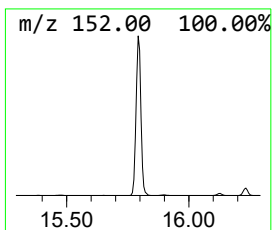
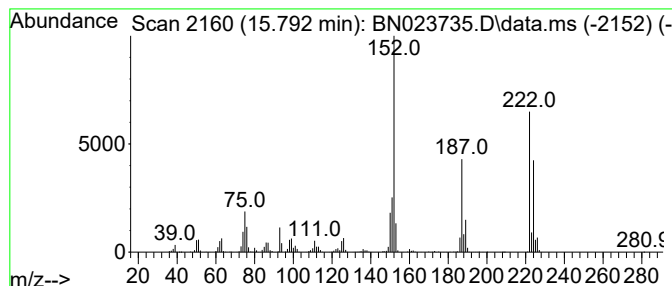
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Quant Title : SVOA CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

Peak Number 3 1,1'-Biphenyl, 2,2'-dichloro- Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.792	32.46 ng/ul	3587650	Acenaphthene-d10	14.540

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,1'-Biphenyl, 2,2'-dichloro-	222	C12H8Cl2	013029-08-8	99		
2	1,1'-Biphenyl, 2,2'-dichloro-	222	C12H8Cl2	013029-08-8	99		
3	1,1'-Biphenyl, 2,2'-dichloro-	222	C12H8Cl2	013029-08-8	99		
4	1,1'-Biphenyl, 2,4'-dichloro-	222	C12H8Cl2	034883-43-7	98		
5	1,1'-Biphenyl, 4,4'-dichloro-	222	C12H8Cl2	002050-68-2	98		



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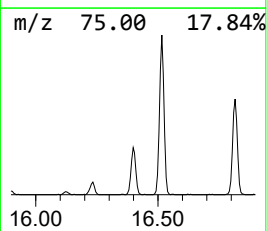
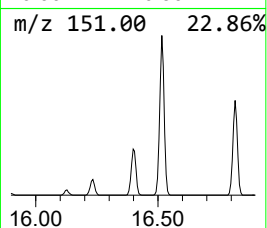
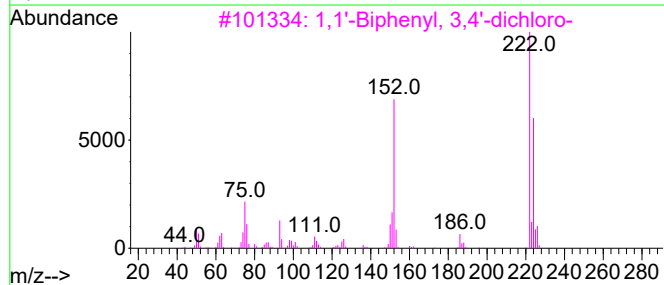
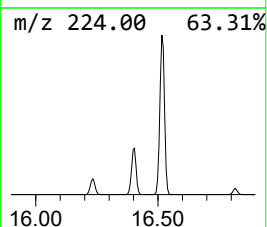
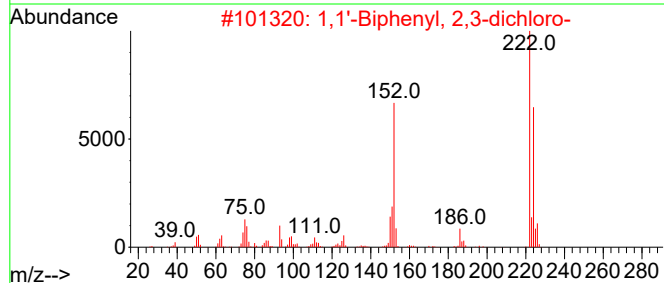
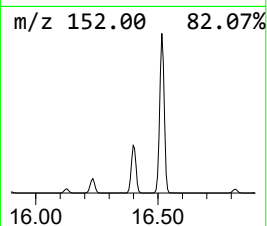
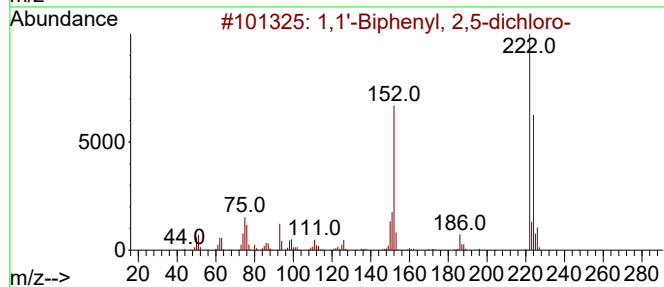
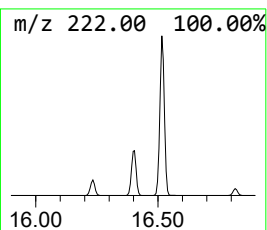
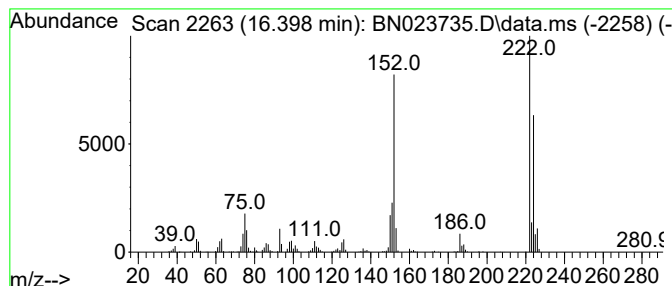
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Quant Title : SVOA CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

Peak Number 4 1,1'-Biphenyl, 2,5-dichloro- Concentration Rank 29

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.398	2.51 ng/ul	594828	Phenanthrene-d10	17.286

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,1'-Biphenyl, 2,5-dichloro-	222	C12H8Cl2	034883-39-1	99		
2	1,1'-Biphenyl, 2,3-dichloro-	222	C12H8Cl2	016605-91-7	99		
3	1,1'-Biphenyl, 3,4'-dichloro-	222	C12H8Cl2	002974-90-5	99		
4	1,1'-Biphenyl 2,3'-dichloro-	222	C12H8Cl2	025569-80-6	99		
5	1,1'-Biphenyl, 2,4'-dichloro-	222	C12H8Cl2	034883-43-7	98		



Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN012023\
Data File : BN023735.D
Acq On : 20 Jan 2023 19:59
Operator : CG/JU
Sample : 01146-16ME
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
A4470ME

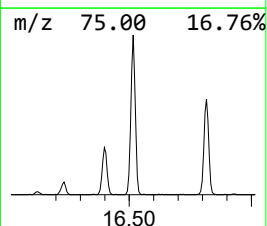
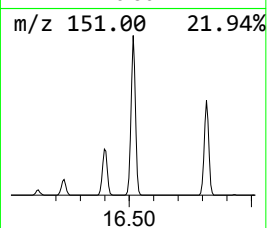
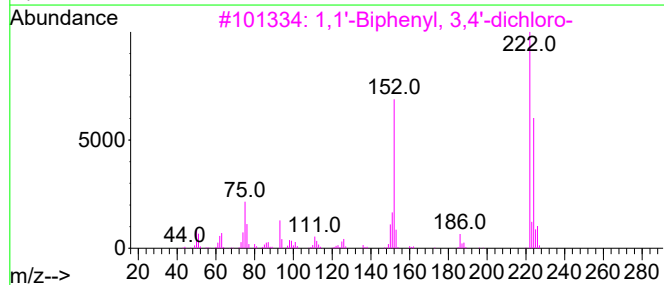
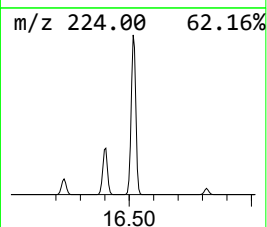
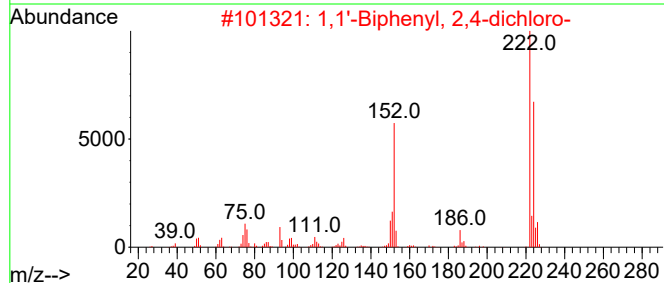
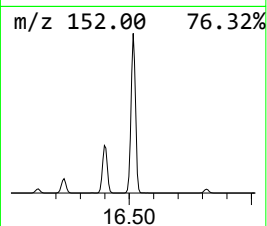
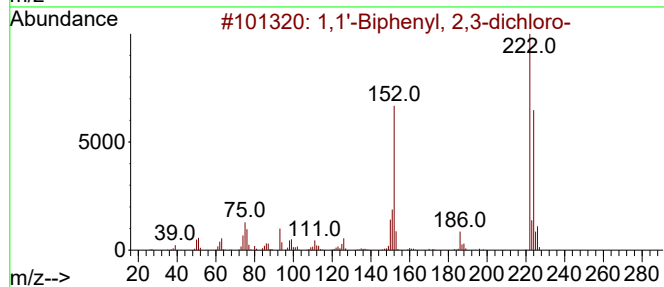
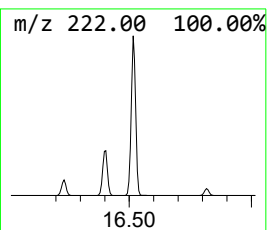
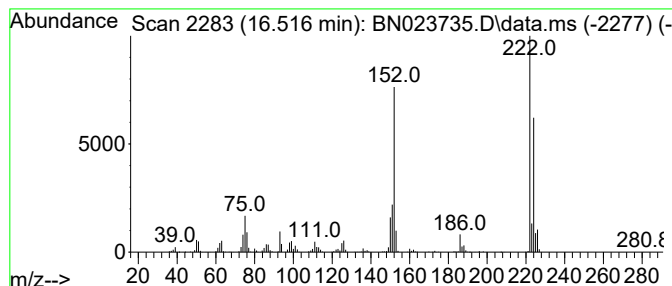
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Quant Title : SVOA CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

Peak Number 5 1,1'-Biphenyl, 2,3-dichloro- Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.516	8.07 ng/ul	1914580	Phenanthrene-d10	17.286

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,1'-Biphenyl, 2,3-dichloro-	222	C12H8Cl2	016605-91-7	99		
2	1,1'-Biphenyl, 2,4-dichloro-	222	C12H8Cl2	033284-50-3	99		
3	1,1'-Biphenyl, 3,4'-dichloro-	222	C12H8Cl2	002974-90-5	99		
4	1,1'-Biphenyl, 3,3'-dichloro-	222	C12H8Cl2	002050-67-1	99		
5	1,1'-Biphenyl, 3,5-dichloro-	222	C12H8Cl2	034883-41-5	98		



Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN012023\
Data File : BN023735.D
Acq On : 20 Jan 2023 19:59
Operator : CG/JU
Sample : 01146-16ME
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
A4470ME

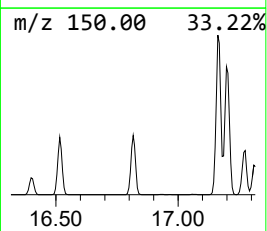
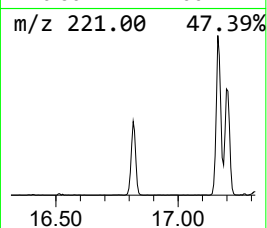
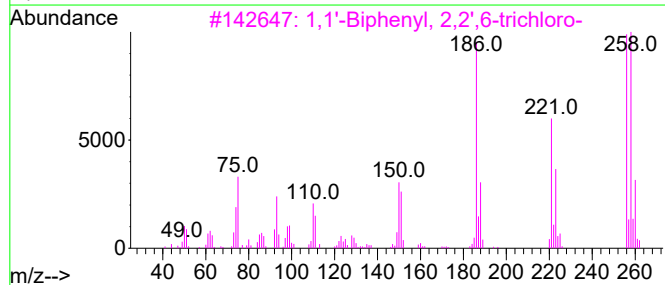
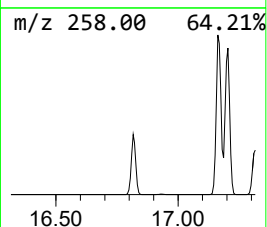
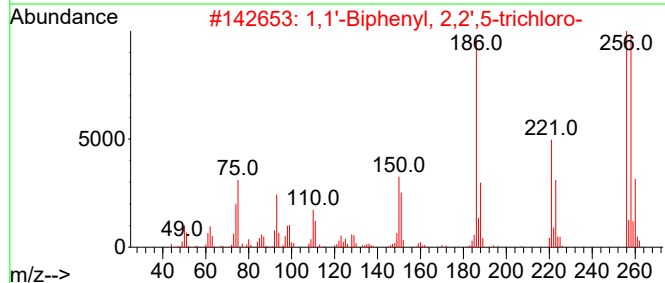
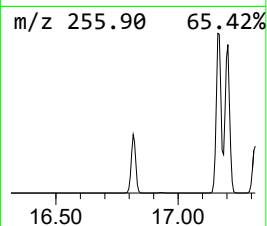
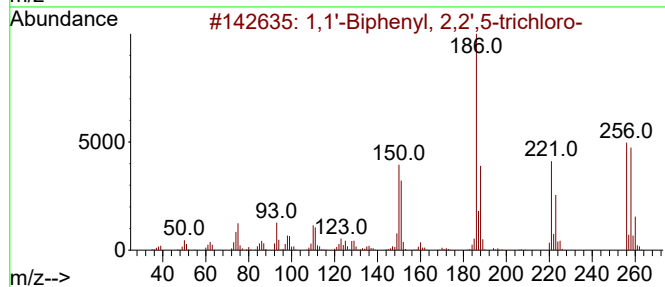
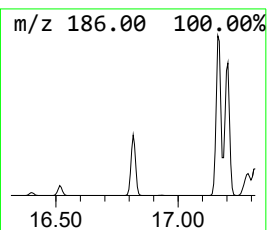
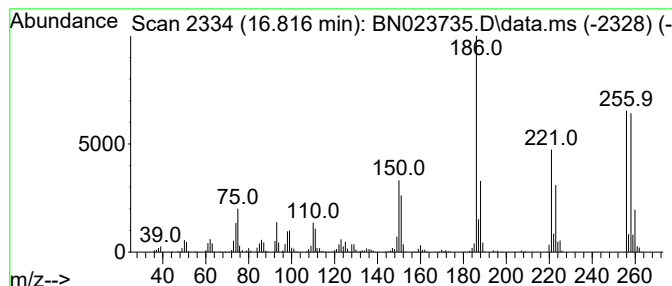
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Quant Title : SVOA CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

Peak Number 6 1,1'-Biphenyl, 2,2',5-trich... Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.816	6.12 ng/ul	1452990	Phenanthrene-d10	17.286

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,1'-Biphenyl, 2,2',5-trichloro-	256	C12H7Cl3	037680-65-2	99		
2	1,1'-Biphenyl, 2,2',5-trichloro-	256	C12H7Cl3	037680-65-2	99		
3	1,1'-Biphenyl, 2,2',6-trichloro-	256	C12H7Cl3	038444-73-4	99		
4	1,1'-Biphenyl, 2,4,4'-trichloro-	256	C12H7Cl3	007012-37-5	99		
5	1,1'-Biphenyl, 2,2',5-trichloro-	256	C12H7Cl3	037680-65-2	98		



Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN012023\
Data File : BN023735.D
Acq On : 20 Jan 2023 19:59
Operator : CG/JU
Sample : 01146-16ME
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
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ClientSampleId :
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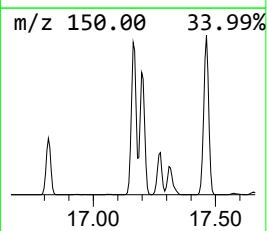
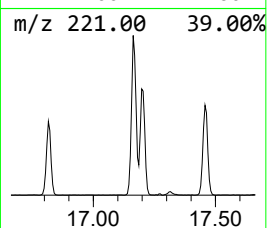
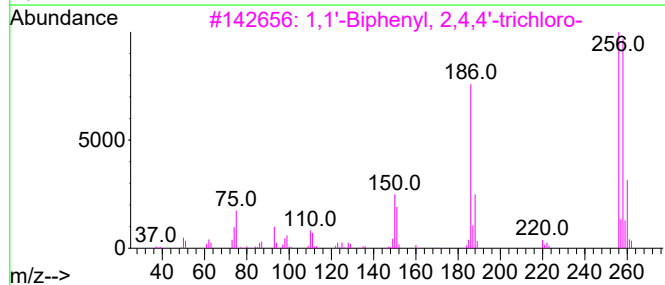
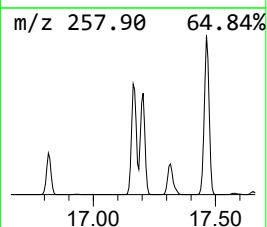
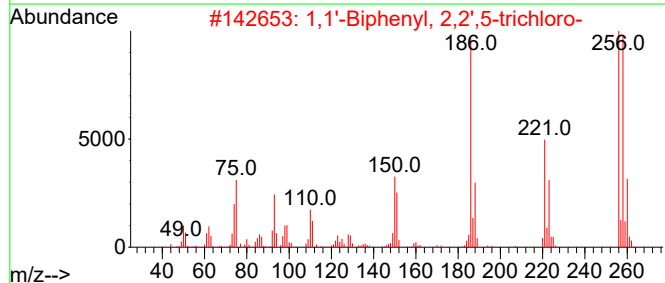
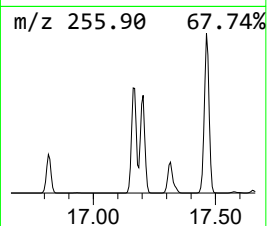
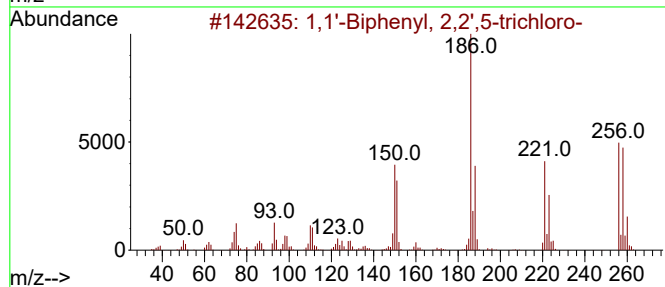
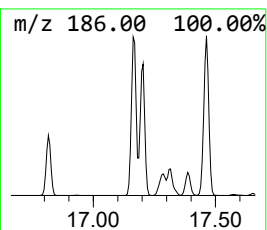
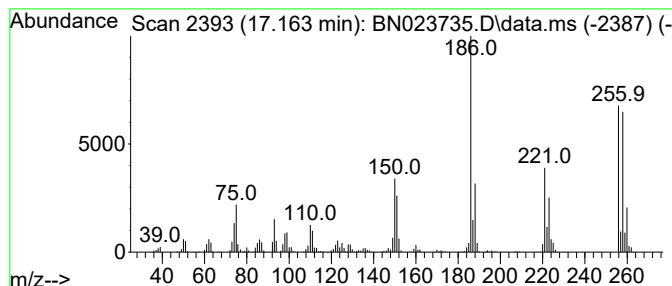
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Quant Title : SVOA CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

Peak Number 7 1,1'-Biphenyl, 2,4,4'-trich... Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.163	18.09 ng/ul	4293000	Phenanthrene-d10	17.286

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,1'-Biphenyl, 2,2',5-trichloro-	256	C12H7Cl3	037680-65-2	99		
2	1,1'-Biphenyl, 2,2',5-trichloro-	256	C12H7Cl3	037680-65-2	99		
3	1,1'-Biphenyl, 2,4,4'-trichloro-	256	C12H7Cl3	007012-37-5	99		
4	1,1'-Biphenyl, 2,2',6-trichloro-	256	C12H7Cl3	038444-73-4	99		
5	2,2',3-Trichloro-1,1'-biphenyl	256	C12H7Cl3	038444-78-9	99		



Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN012023\
Data File : BN023735.D
Acq On : 20 Jan 2023 19:59
Operator : CG/JU
Sample : 01146-16ME
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
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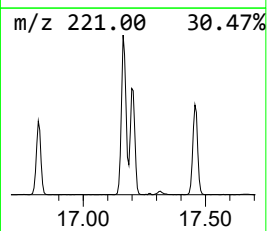
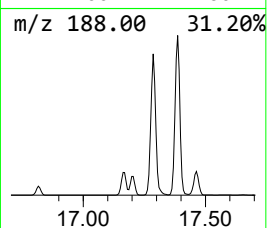
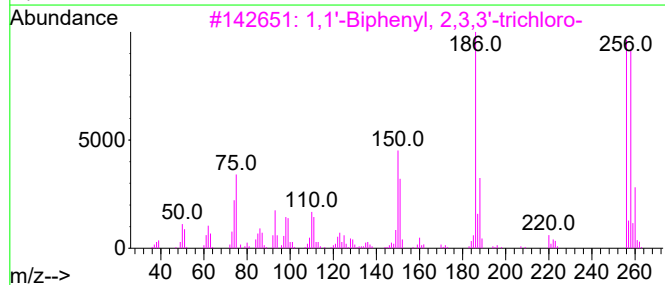
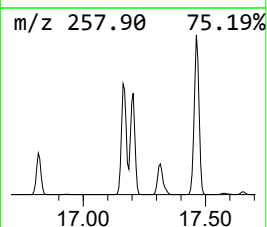
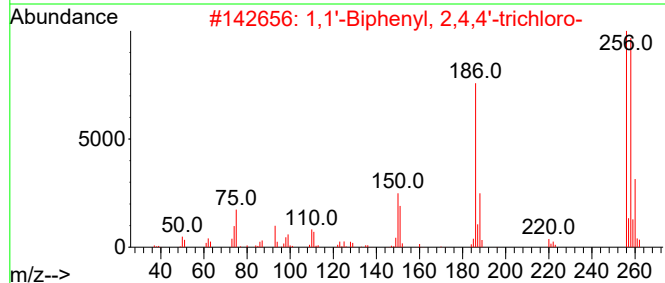
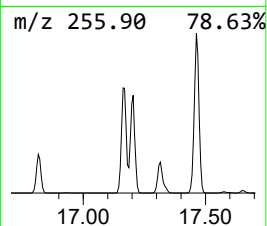
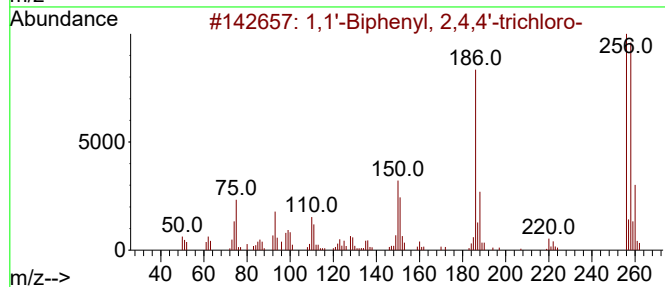
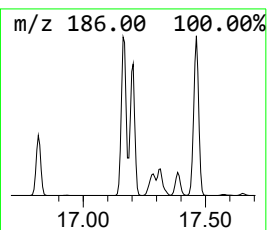
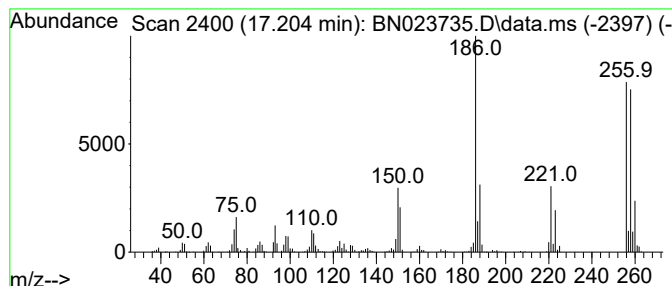
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Quant Title : SVOA CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

Peak Number 8 1,1'-Biphenyl, 2,3,3'-trich... Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.204	12.44 ng/ul	2951410	Phenanthrene-d10	17.286

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,1'-Biphenyl, 2,4,4'-trichloro-	256	C12H7Cl3	007012-37-5	99		
2	1,1'-Biphenyl, 2,4,4'-trichloro-	256	C12H7Cl3	007012-37-5	99		
3	1,1'-Biphenyl, 2,3,3'-trichloro-	256	C12H7Cl3	038444-84-7	98		
4	1,1'-Biphenyl, 2,4',5-trichloro-	256	C12H7Cl3	016606-02-3	98		
5	1,1'-Biphenyl, 2,4,5-trichloro-	256	C12H7Cl3	015862-07-4	98		



Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN012023\
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Sample : 01146-16ME
Misc :
ALS Vial : 12 Sample Multiplier: 1

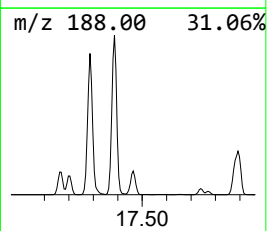
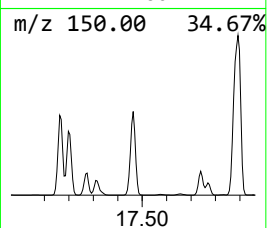
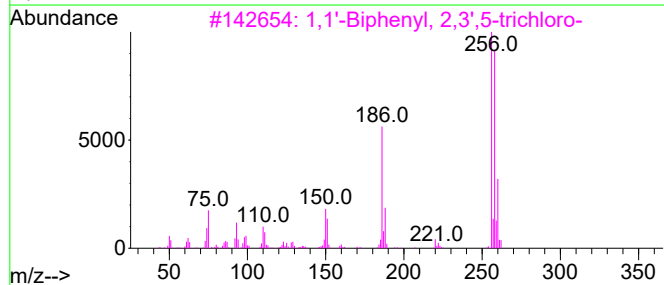
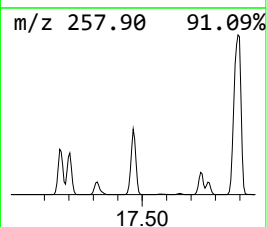
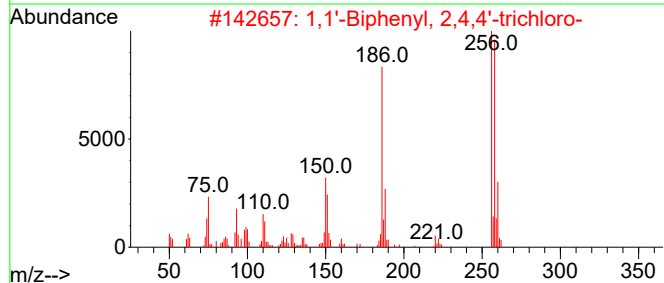
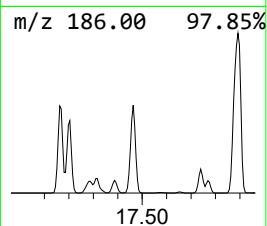
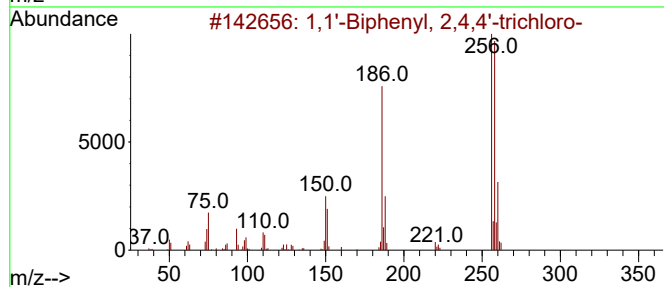
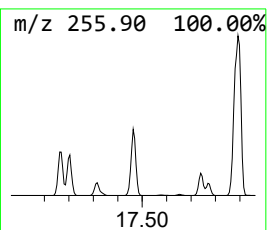
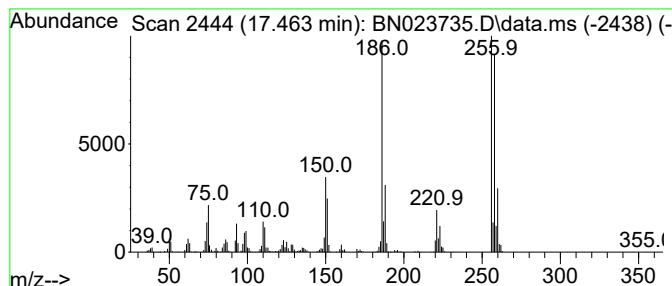
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Quant Title : SVOA CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

Peak Number 9 1,1'-Biphenyl, 2,3',5-trich... Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.	
17.463	18.97 ng/ul	4501000	Phenanthrene-d10	17.286	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,1'-Biphenyl, 2,4,4'-trichloro-	256	C12H7Cl3	007012-37-5	99
2	1,1'-Biphenyl, 2,4,4'-trichloro-	256	C12H7Cl3	007012-37-5	99
3	1,1'-Biphenyl, 2,3',5-trichloro-	256	C12H7Cl3	038444-81-4	99
4	1,1'-Biphenyl, 2',3,4-trichloro-	256	C12H7Cl3	038444-86-9	99
5	1,1'-Biphenyl, 2,4',5-trichloro-	256	C12H7Cl3	016606-02-3	99



Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN012023\
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Acq On : 20 Jan 2023 19:59
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Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
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ClientSampleId :
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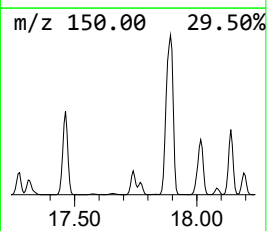
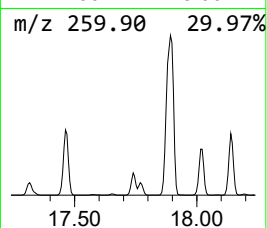
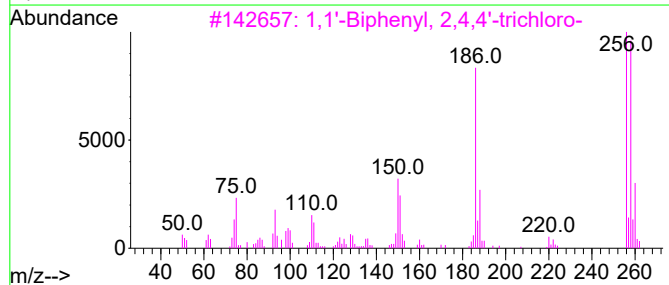
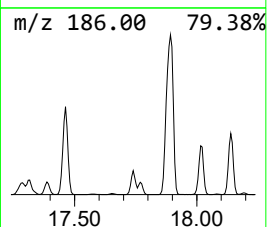
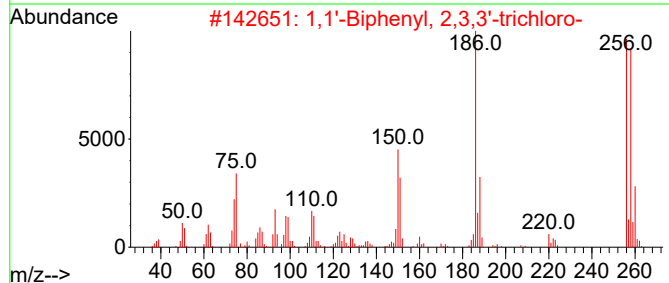
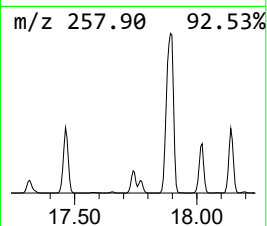
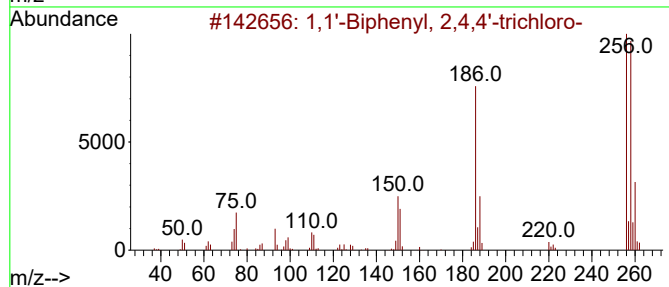
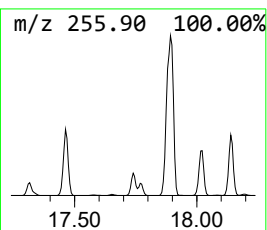
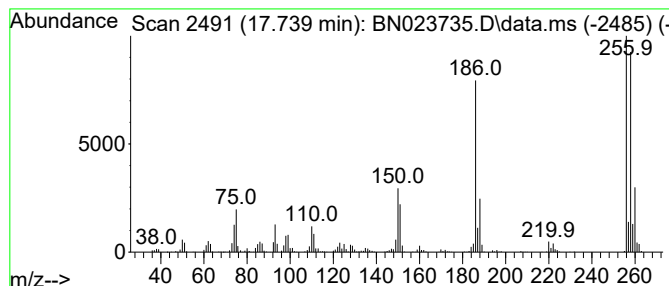
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Quant Title : SVOA CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

Peak Number 10 1,1'-Biphenyl, 2,4',5-trich... Concentration Rank 24

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.739	5.25 ng/ul	1245100	Phenanthrene-d10	17.286

Hit#	of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,1'-Biphenyl, 2,4,4'-trichloro-	256	C12H7Cl3	007012-37-5	99	
2	1,1'-Biphenyl, 2,3,3'-trichloro-	256	C12H7Cl3	038444-84-7	99	
3	1,1'-Biphenyl, 2,4,4'-trichloro-	256	C12H7Cl3	007012-37-5	99	
4	1,1'-Biphenyl, 2,4',5-trichloro-	256	C12H7Cl3	016606-02-3	99	
5	1,1'-Biphenyl, 2,3,4-trichloro-	256	C12H7Cl3	055702-46-0	99	



Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN012023\
Data File : BN023735.D
Acq On : 20 Jan 2023 19:59
Operator : CG/JU
Sample : 01146-16ME
Misc :
ALS Vial : 12 Sample Multiplier: 1

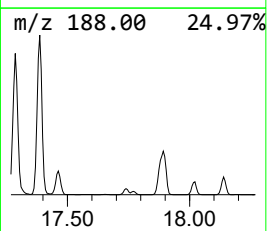
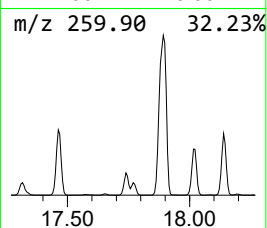
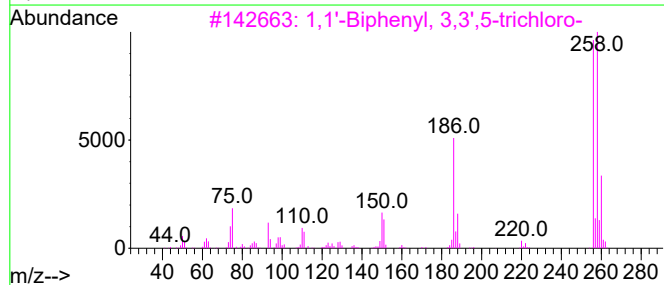
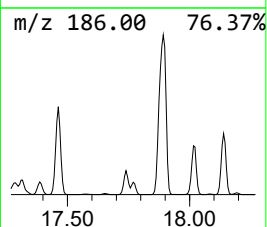
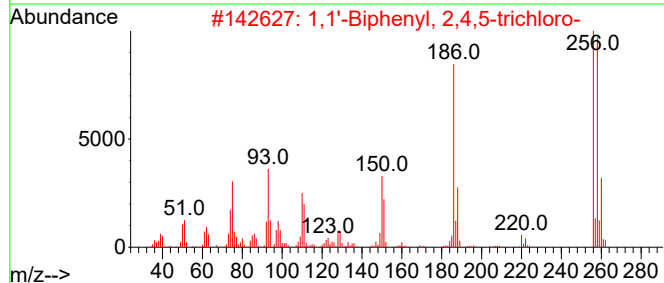
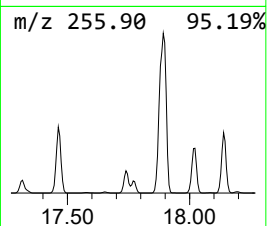
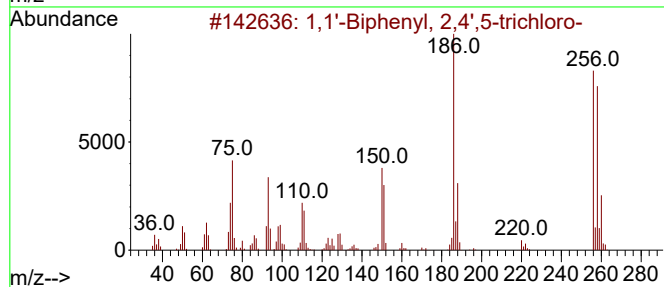
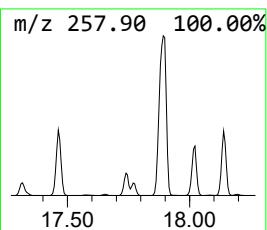
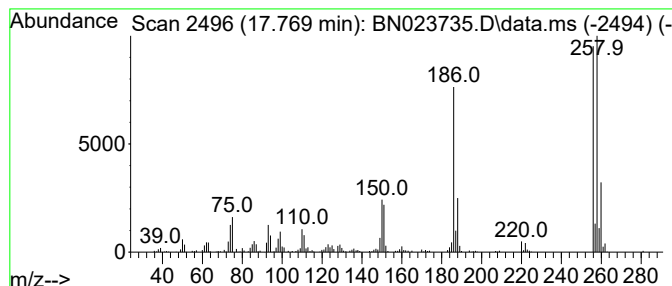
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ClientSampleId :
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Quant Title : SVOA CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

Peak Number 11 1,1'-Biphenyl, 3,3',5-trich... Concentration Rank 30

R.T.	EstConc	Area	Relative to ISTD	R.T.	
17.769	2.43 ng/ul	576096	Phenanthrene-d10	17.286	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,1'-Biphenyl, 2,4',5-trichloro-	256	C12H7Cl3	016606-02-3	99
2	1,1'-Biphenyl, 2,4,5-trichloro-	256	C12H7Cl3	015862-07-4	98
3	1,1'-Biphenyl, 3,3',5-trichloro-	256	C12H7Cl3	038444-87-0	98
4	1,1'-Biphenyl, 2,3,4'-Trichloro-	256	C12H7Cl3	038444-85-8	98
5	1,1'-Biphenyl, 2,4,4'-trichloro-	256	C12H7Cl3	007012-37-5	96



Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN012023\
Data File : BN023735.D
Acq On : 20 Jan 2023 19:59
Operator : CG/JU
Sample : 01146-16ME
Misc :
ALS Vial : 12 Sample Multiplier: 1

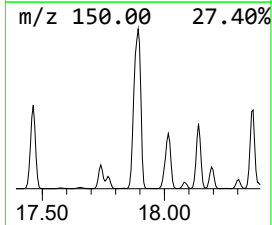
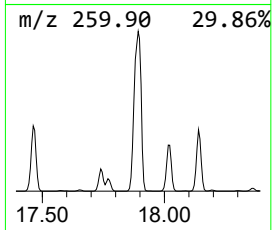
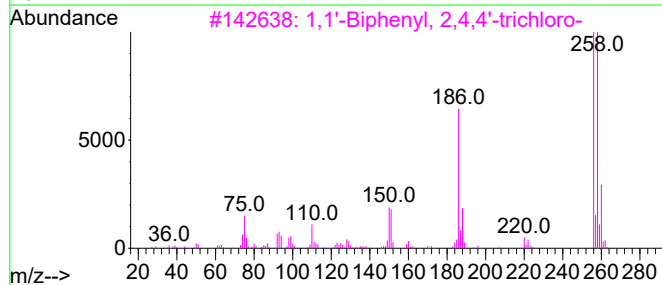
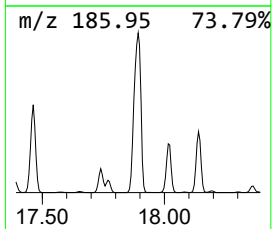
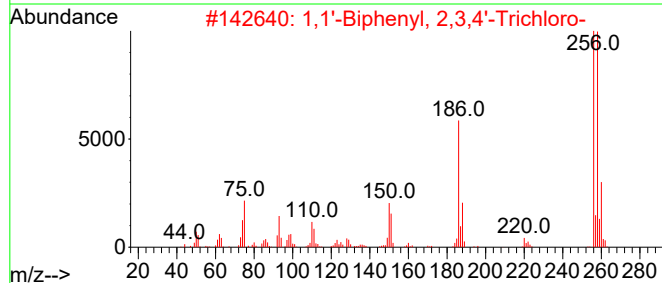
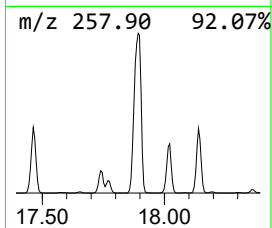
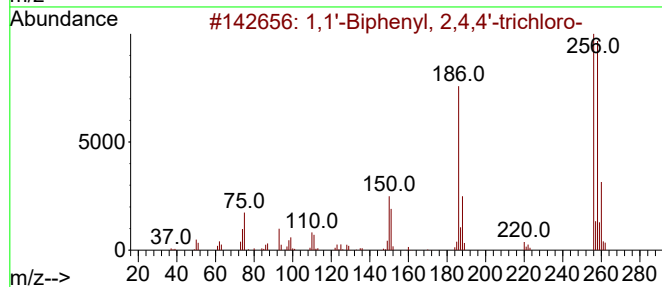
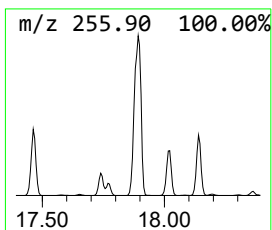
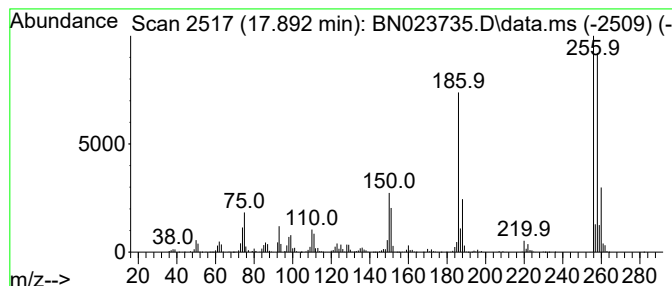
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ClientSampleId :
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Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\SFAM-EPA-BN010523.M
Quant Title : SVOA CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

Peak Number 12 1,1'-Biphenyl, 2,3,4'-Trich... Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.	
17.892	52.50 ng/ul	12458200	Phenanthrene-d10	17.286	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,1'-Biphenyl, 2,4,4'-trichloro-	256	C12H7Cl3	007012-37-5	99
2	1,1'-Biphenyl, 2,3,4'-Trichloro-	256	C12H7Cl3	038444-85-8	99
3	1,1'-Biphenyl, 2,4,4'-trichloro-	256	C12H7Cl3	007012-37-5	99
4	1,1'-Biphenyl, 3,4',5-trichloro-	256	C12H7Cl3	038444-88-1	99
5	1,1'-Biphenyl, 3,3',5-trichloro-	256	C12H7Cl3	038444-87-0	99



Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN012023\
Data File : BN023735.D
Acq On : 20 Jan 2023 19:59
Operator : CG/JU
Sample : 01146-16ME
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
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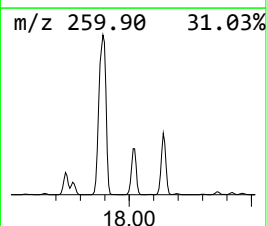
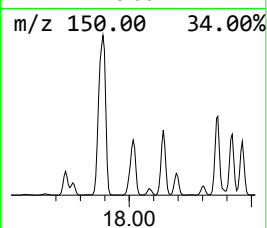
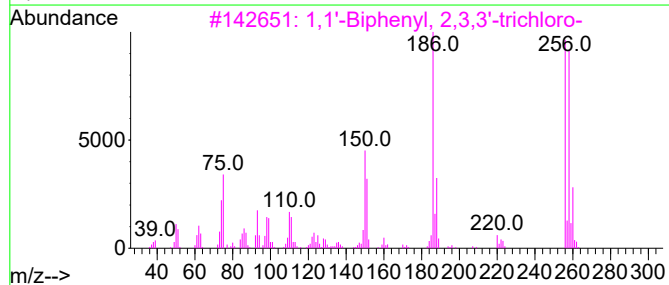
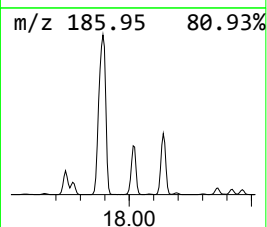
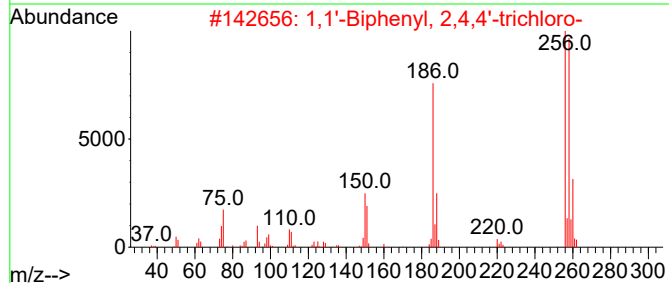
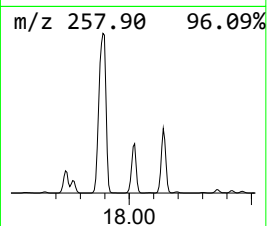
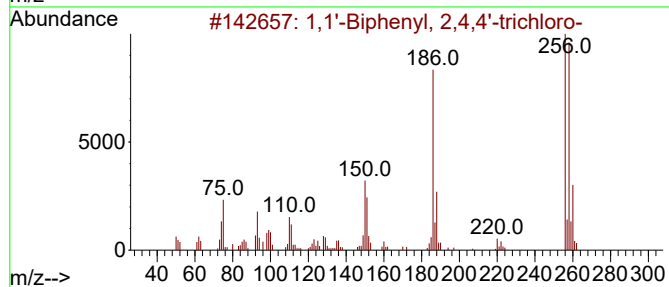
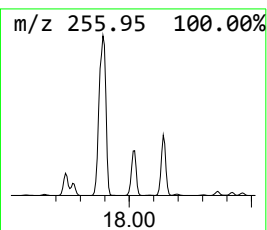
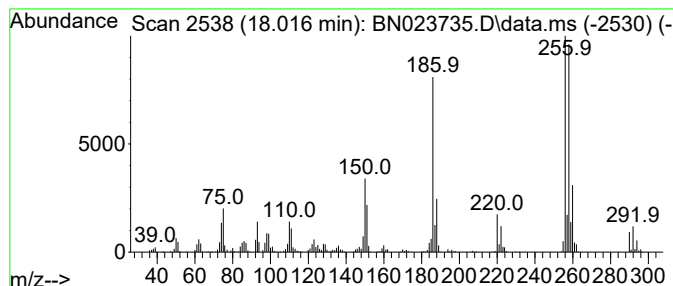
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Quant Title : SVOA CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

Peak Number 13 unknown-01 Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.016	15.11 ng/ul	3585330	Phenanthrene-d10	17.286

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,1'-Biphenyl, 2,4,4'-trichloro-	256	C12H7Cl3	007012-37-5	99		
2	1,1'-Biphenyl, 2,4,4'-trichloro-	256	C12H7Cl3	007012-37-5	99		
3	1,1'-Biphenyl, 2,3,3'-trichloro-	256	C12H7Cl3	038444-84-7	99		
4	1,1'-Biphenyl, 2,3,4-trichloro-	256	C12H7Cl3	055702-46-0	99		
5	1,1'-Biphenyl, 2,3,4'-Trichloro-	256	C12H7Cl3	038444-85-8	99		



Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN012023\
Data File : BN023735.D
Acq On : 20 Jan 2023 19:59
Operator : CG/JU
Sample : 01146-16ME
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
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ClientSampleId :
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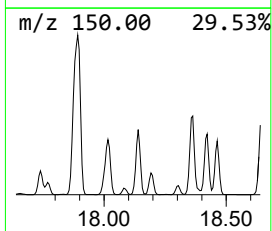
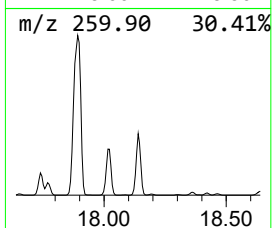
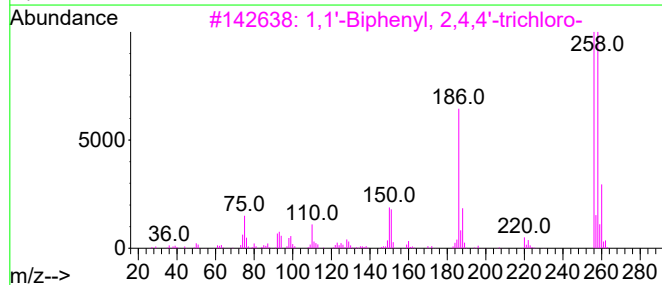
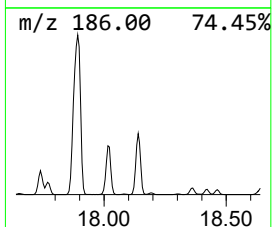
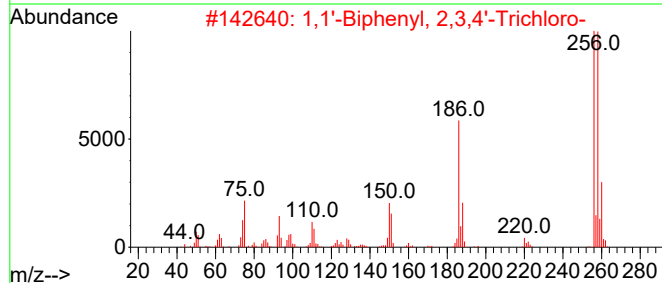
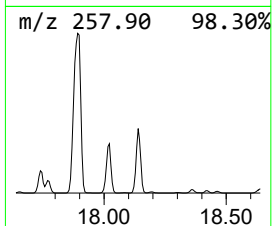
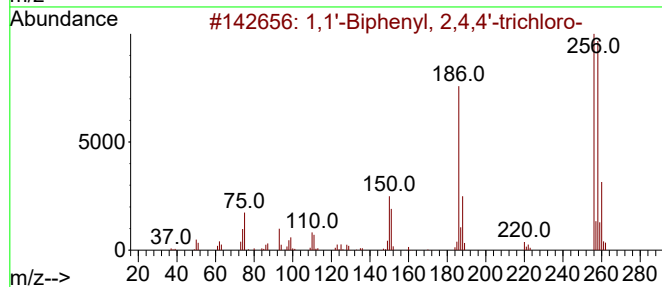
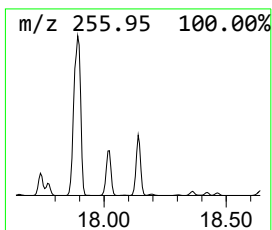
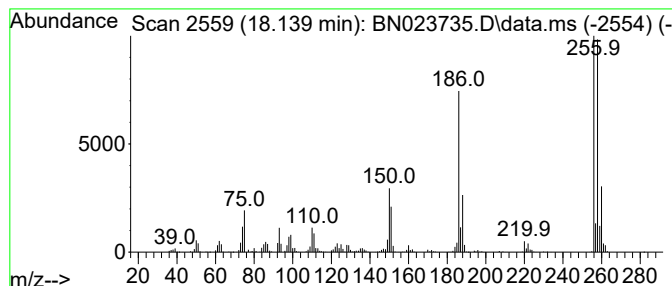
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Quant Title : SVOA CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

Peak Number 14 unknown-02 Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.139	13.57 ng/ul	3221600	Phenanthrene-d10	17.286

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,1'-Biphenyl, 2,4,4'-trichloro-	256	C12H7Cl3	007012-37-5	99		
2	1,1'-Biphenyl, 2,3,4'-Trichloro-	256	C12H7Cl3	038444-85-8	99		
3	1,1'-Biphenyl, 2,4,4'-trichloro-	256	C12H7Cl3	007012-37-5	99		
4	1,1'-Biphenyl, 2,3,3'-trichloro-	256	C12H7Cl3	038444-84-7	99		
5	1,1'-Biphenyl, 3,3',5-trichloro-	256	C12H7Cl3	038444-87-0	99		



Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN012023\
Data File : BN023735.D
Acq On : 20 Jan 2023 19:59
Operator : CG/JU
Sample : 01146-16ME
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
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ClientSampleId :
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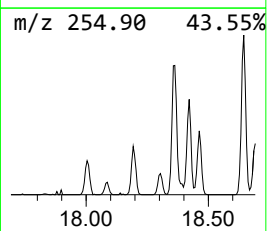
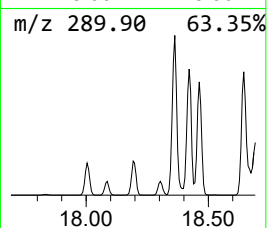
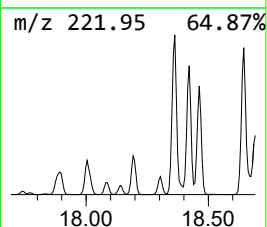
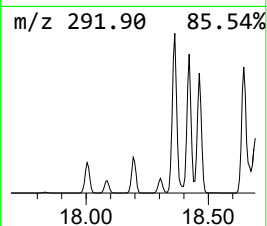
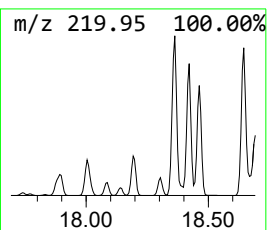
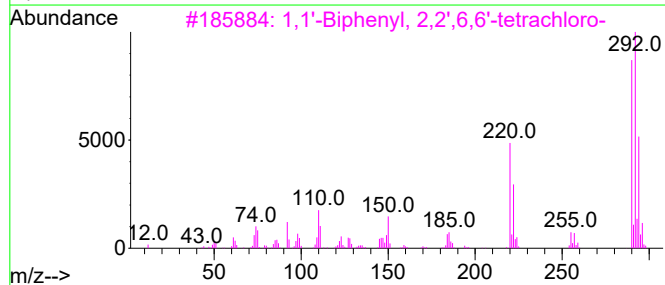
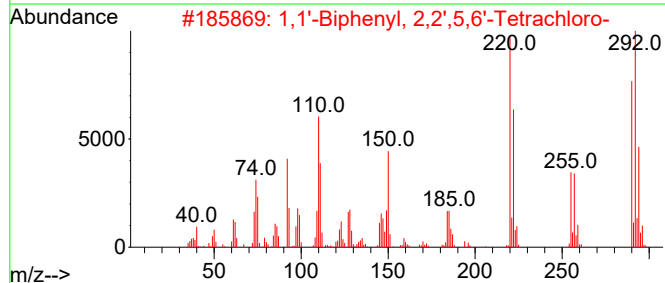
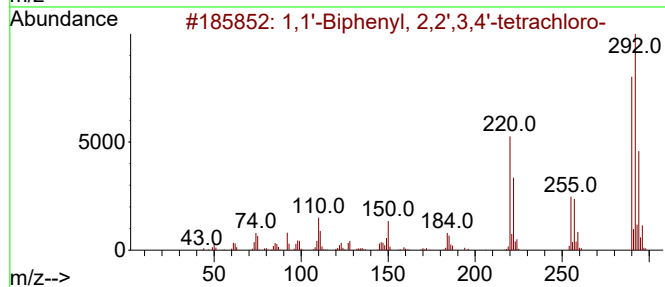
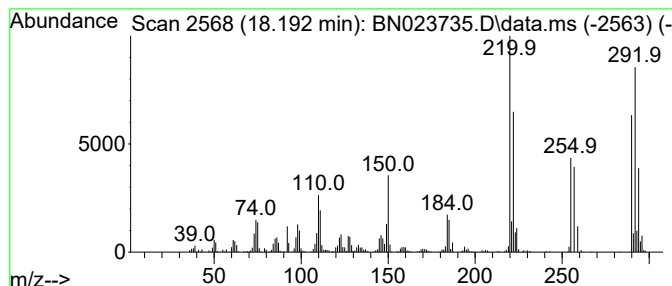
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Quant Title : SVOA CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

Peak Number 15 1,1'-Biphenyl, 2,2',3,4'-te... Concentration Rank 21

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.192	6.00 ng/ul	1424070	Phenanthrene-d10	17.286

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,1'-Biphenyl, 2,2',3,4'-tetrach...	290	C12H6Cl4	036559-22-5	99		
2	1,1'-Biphenyl, 2,2',5,6'-Tetrach...	290	C12H6Cl4	041464-41-9	99		
3	1,1'-Biphenyl, 2,2',6,6'-tetrach...	290	C12H6Cl4	015968-05-5	99		
4	1,1'-Biphenyl, 2,2',3,4-tetrachl...	290	C12H6Cl4	052663-59-9	98		
5	2,2',3,6-Tetrachloro-1,1'-biphenyl	290	C12H6Cl4	070362-45-7	97		



Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN012023\
Data File : BN023735.D
Acq On : 20 Jan 2023 19:59
Operator : CG/JU
Sample : 01146-16ME
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
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ClientSampleId :
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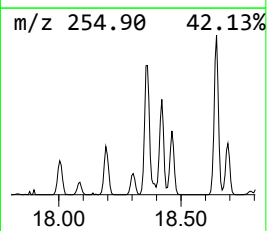
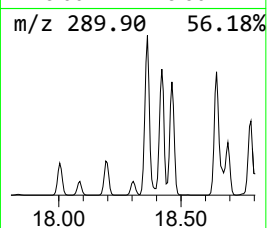
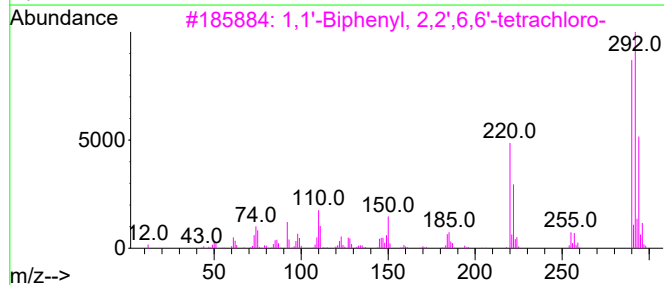
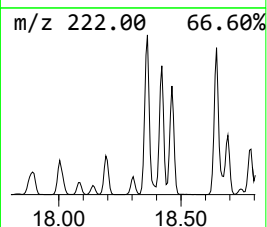
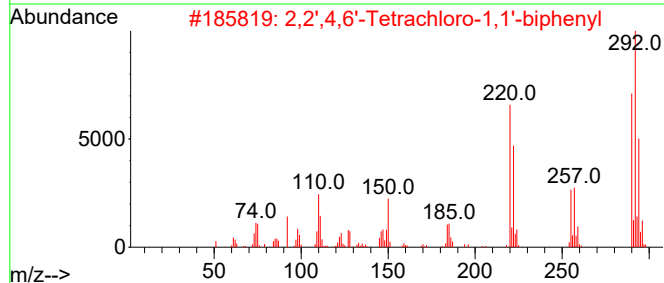
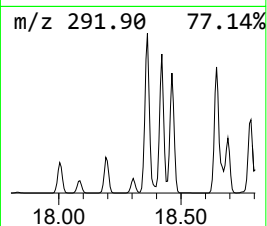
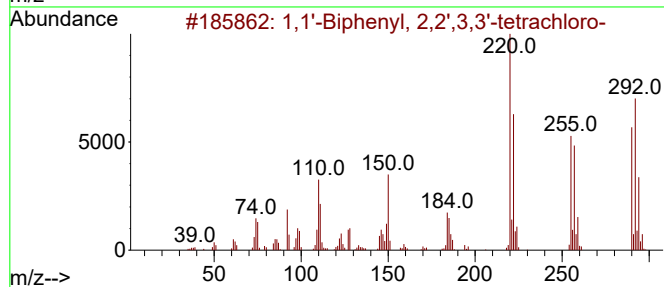
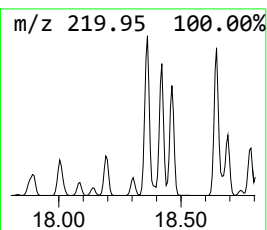
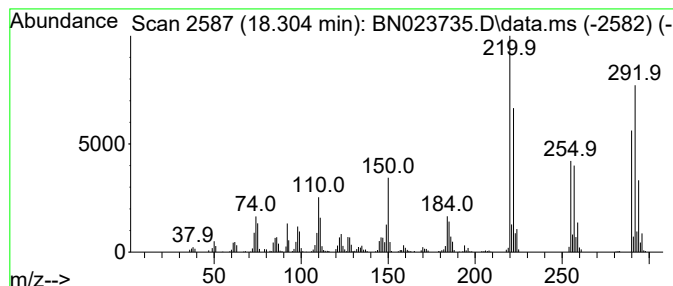
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Quant Title : SVOA CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

Peak Number 16 1,1'-Biphenyl, 2,2',3,3'-te... Concentration Rank 31

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.304	2.26 ng/ul	535409	Phenanthrene-d10	17.286

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,1'-Biphenyl, 2,2',3,3'-tetrach...	290	C12H6Cl4	038444-93-8	99		
2	2,2',4,6'-Tetrachloro-1,1'-biphenyl	290	C12H6Cl4	068194-04-7	99		
3	1,1'-Biphenyl, 2,2',6,6'-tetrach...	290	C12H6Cl4	015968-05-5	99		
4	1,1'-Biphenyl, 2,2',3,5'-tetrach...	290	C12H6Cl4	041464-39-5	99		
5	1,1'-Biphenyl, 2,2',3,4'-tetrach...	290	C12H6Cl4	036559-22-5	99		



Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN012023\
Data File : BN023735.D
Acq On : 20 Jan 2023 19:59
Operator : CG/JU
Sample : 01146-16ME
Misc :
ALS Vial : 12 Sample Multiplier: 1

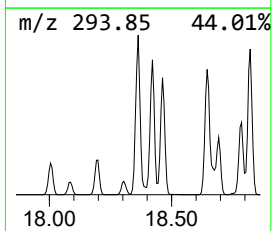
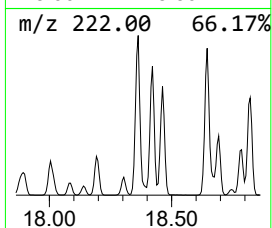
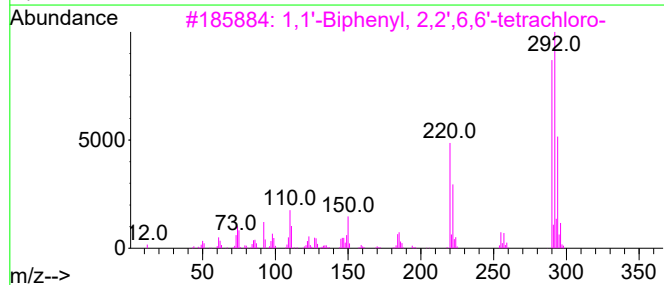
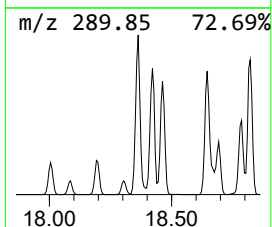
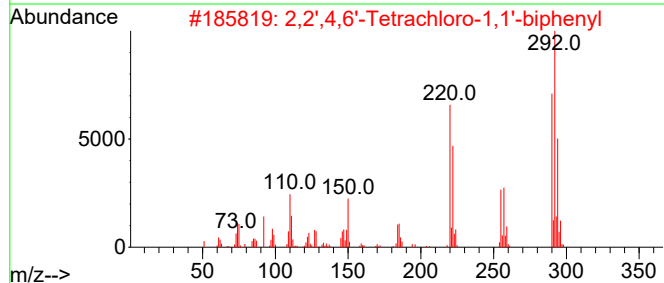
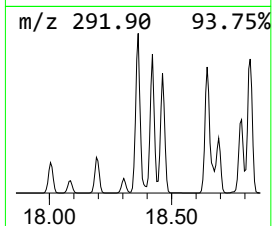
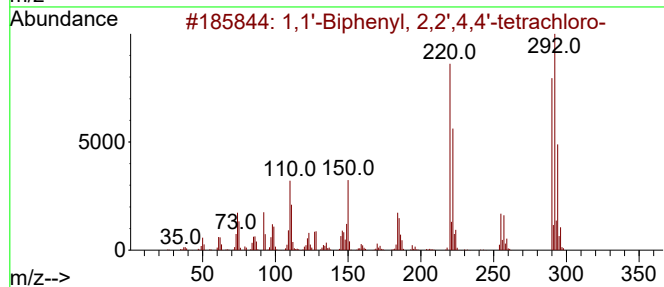
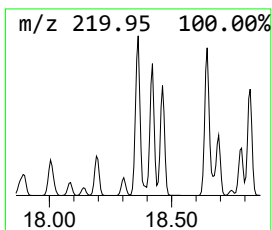
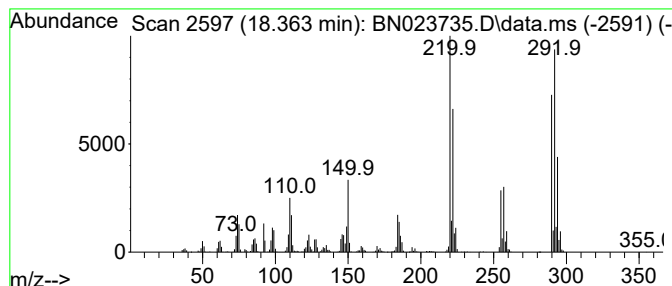
Instrument :
BNA_N
ClientSampleId :
A4470ME

Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\SFAM-EPA-BN010523.M
Quant Title : SVOA CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

Peak Number 17 1,1'-Biphenyl, 2,2',4,4'-te... Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.		
18.363	21.80 ng/ul	5172440	Phenanthrene-d10	17.286		
Hit#	of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,1'-Biphenyl, 2,2',4,4'-tetrach...	290	C12H6Cl4	002437-79-8	99	
2	2,2',4,6'-Tetrachloro-1,1'-biphenyl	290	C12H6Cl4	068194-04-7	99	
3	1,1'-Biphenyl, 2,2',6,6'-tetrach...	290	C12H6Cl4	015968-05-5	99	
4	1,1'-Biphenyl, 2,2',3,4'-tetrach...	290	C12H6Cl4	036559-22-5	99	
5	1,1'-Biphenyl, 2,2',4,4'-tetrach...	290	C12H6Cl4	002437-79-8	99	



Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN012023\
Data File : BN023735.D
Acq On : 20 Jan 2023 19:59
Operator : CG/JU
Sample : 01146-16ME
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
A4470ME

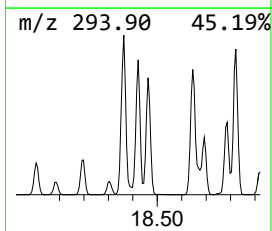
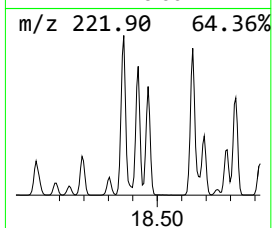
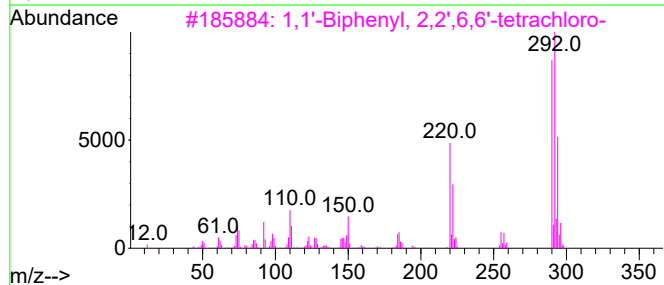
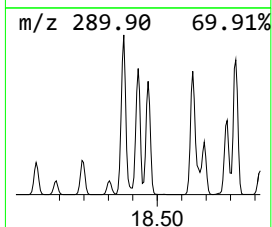
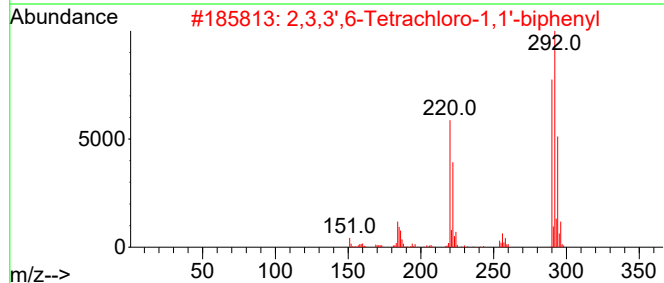
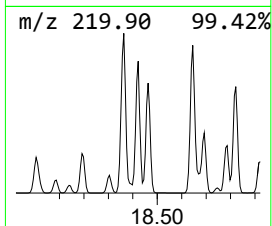
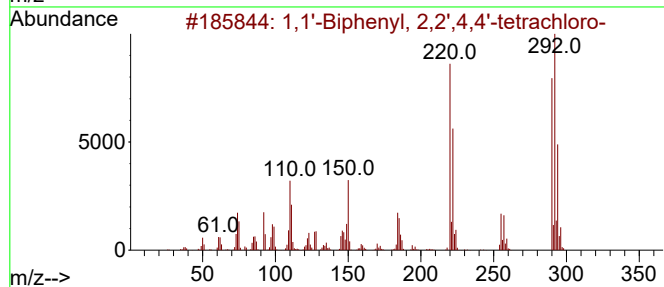
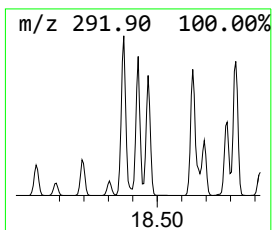
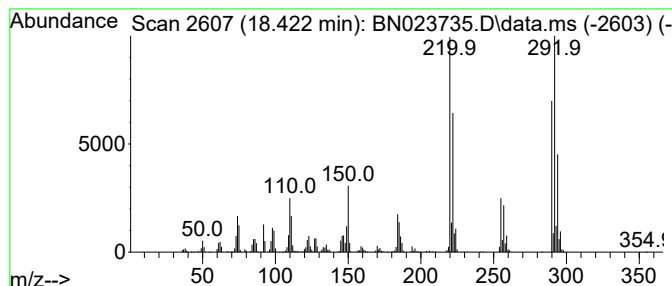
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Quant Title : SVOA CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

Peak Number 18 2,3,3',6-Tetrachloro-1,1'-b... Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.422	15.79 ng/ul	3748430	Phenanthrene-d10	17.286

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,1'-Biphenyl, 2,2',4,4'-tetrach...	290	C12H6Cl4	002437-79-8	99		
2	2,3,3',6-Tetrachloro-1,1'-biphenyl	290	C12H6Cl4	074472-33-6	99		
3	1,1'-Biphenyl, 2,2',6,6'-tetrach...	290	C12H6Cl4	015968-05-5	99		
4	1,1'-Biphenyl, 2,2',4,4'-tetrach...	290	C12H6Cl4	002437-79-8	99		
5	1,1'-Biphenyl, 2,3,3',4'-tetrach...	290	C12H6Cl4	041464-43-1	99		



Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN012023\
Data File : BN023735.D
Acq On : 20 Jan 2023 19:59
Operator : CG/JU
Sample : 01146-16ME
Misc :
ALS Vial : 12 Sample Multiplier: 1

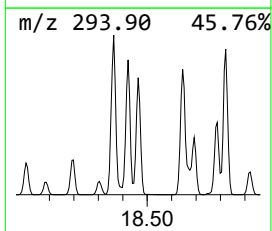
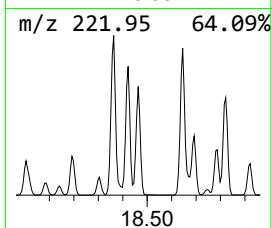
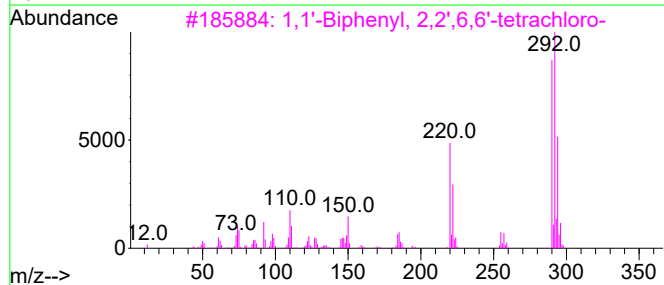
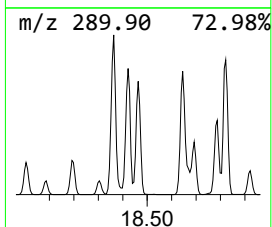
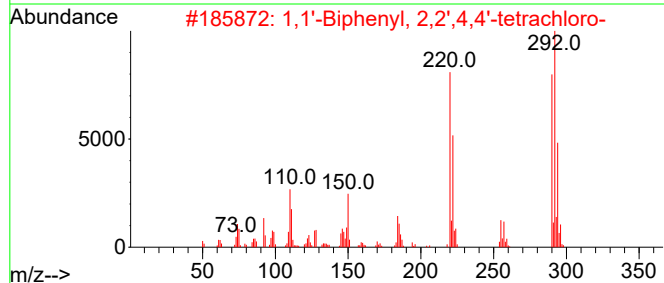
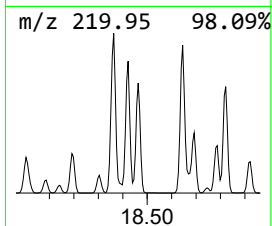
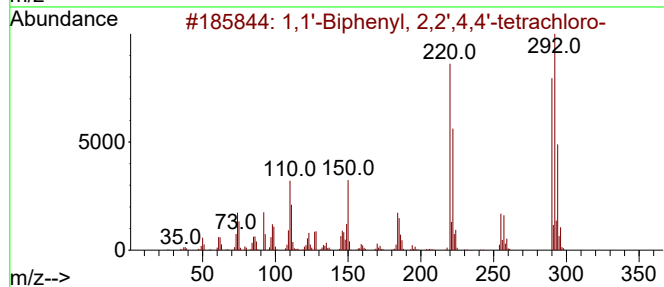
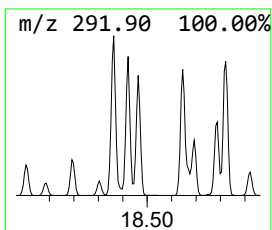
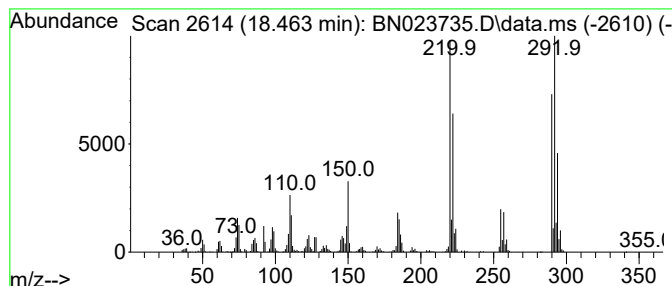
Instrument :
BNA_N
ClientSampleId :
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Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\SFAM-EPA-BN010523.M
Quant Title : SVOA CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

Peak Number 19 1,1'-Biphenyl, 2,2',6,6'-te... Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.		
18.463	13.49 ng/ul	3200530	Phenanthrene-d10	17.286		
Hit#	of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,1'-Biphenyl, 2,2',4,4'-tetrach...	290	C12H6Cl4	002437-79-8	99	
2	1,1'-Biphenyl, 2,2',4,4'-tetrach...	290	C12H6Cl4	002437-79-8	99	
3	1,1'-Biphenyl, 2,2',6,6'-tetrach...	290	C12H6Cl4	015968-05-5	99	
4	2,2',4,5-Tetrachloro-1,1'-biphenyl	290	C12H6Cl4	070362-47-9	99	
5	1,1'-Biphenyl, 2,2',4,5'-tetrach...	290	C12H6Cl4	041464-40-8	99	



Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN012023\
Data File : BN023735.D
Acq On : 20 Jan 2023 19:59
Operator : CG/JU
Sample : 01146-16ME
Misc :
ALS Vial : 12 Sample Multiplier: 1

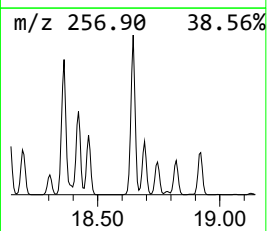
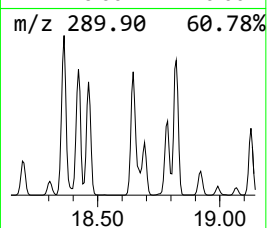
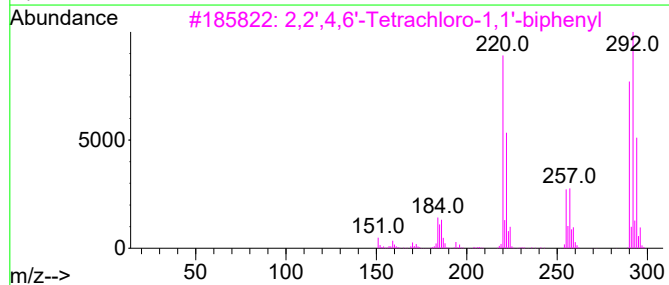
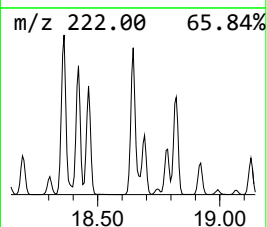
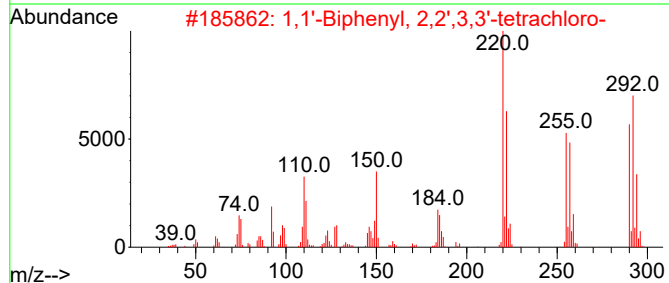
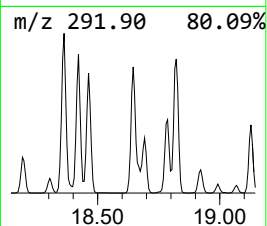
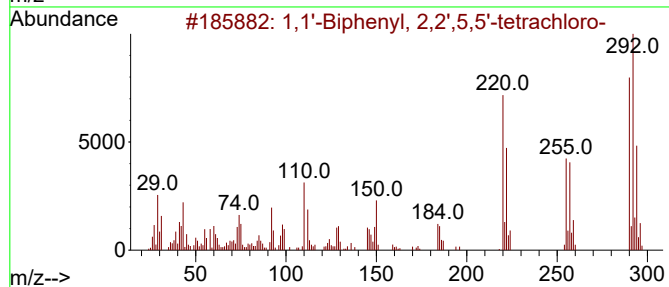
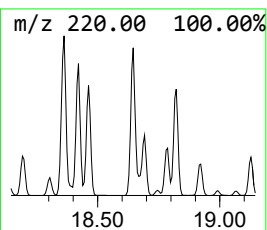
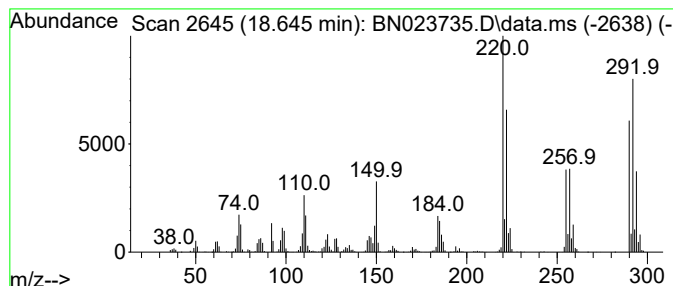
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Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\SFAM-EPA-BN010523.M
Quant Title : SVOA CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

Peak Number 20 1,1'-Biphenyl, 2,2',5,5'-te... Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.	
18.645	20.81 ng/ul	4938080	Phenanthrene-d10	17.286	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,1'-Biphenyl, 2,2',5,5'-tetrach...	290	C12H6Cl4	035693-99-3	99
2	1,1'-Biphenyl, 2,2',3,3'-tetrach...	290	C12H6Cl4	038444-93-8	99
3	2,2',4,6'-Tetrachloro-1,1'-biphenyl	290	C12H6Cl4	068194-04-7	99
4	1,1'-Biphenyl, 2,2',3,6'-tetrach...	290	C12H6Cl4	041464-47-5	99
5	1,1'-Biphenyl, 2,2',4,4'-tetrach...	290	C12H6Cl4	002437-79-8	99



Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN012023\
Data File : BN023735.D
Acq On : 20 Jan 2023 19:59
Operator : CG/JU
Sample : 01146-16ME
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
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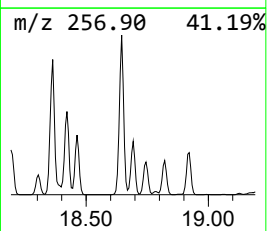
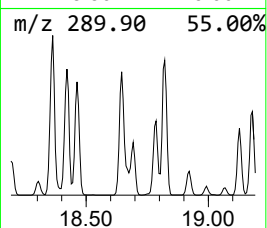
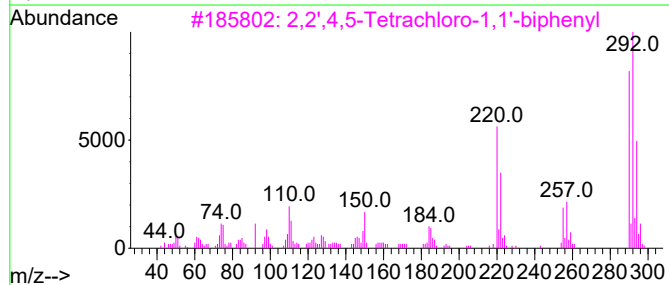
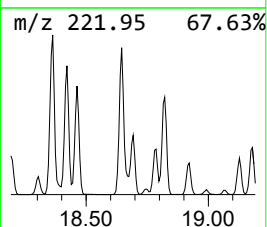
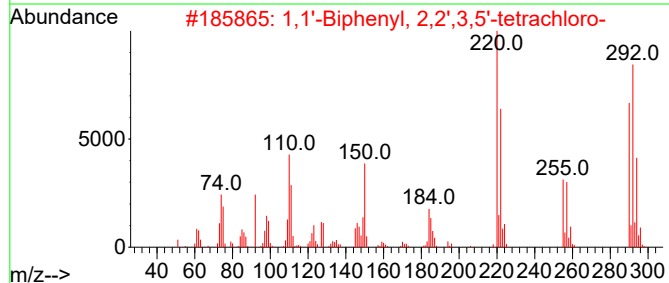
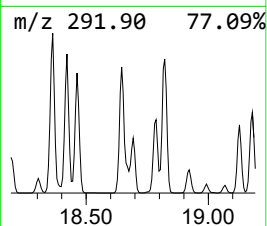
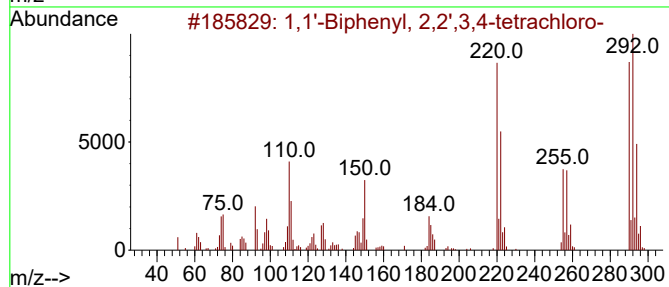
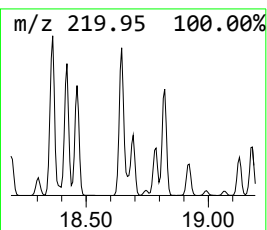
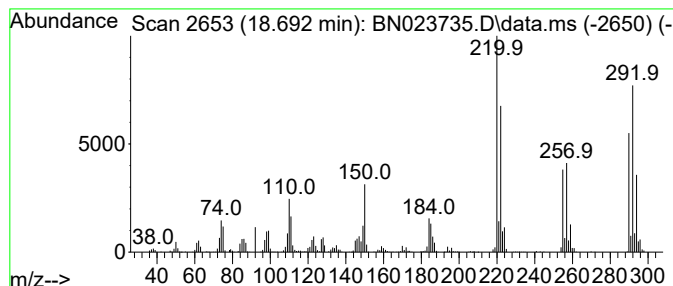
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Quant Title : SVOA CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

Peak Number 21 1,1'-Biphenyl, 2,2',3,5'-te... Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.692	6.95 ng/ul	1649470	Phenanthrene-d10	17.286

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,1'-Biphenyl, 2,2',3,4-tetrachl...	290	C12H6Cl4	052663-59-9	99		
2	1,1'-Biphenyl, 2,2',3,5'-tetrach...	290	C12H6Cl4	041464-39-5	99		
3	2,2',4,5-Tetrachloro-1,1'-biphenyl	290	C12H6Cl4	070362-47-9	99		
4	2,2',3,6-Tetrachloro-1,1'-biphenyl	290	C12H6Cl4	070362-45-7	99		
5	1,1'-Biphenyl, 2,2',4,4'-tetrach...	290	C12H6Cl4	002437-79-8	99		



Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN012023\
Data File : BN023735.D
Acq On : 20 Jan 2023 19:59
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Sample : 01146-16ME
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
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ClientSampleId :
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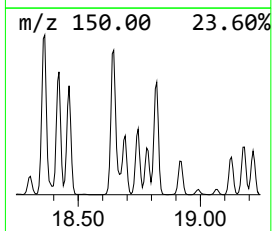
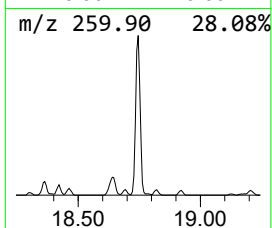
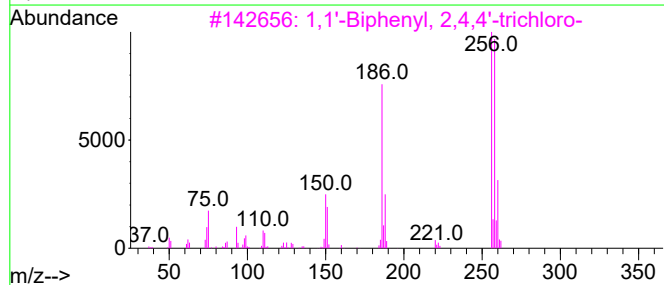
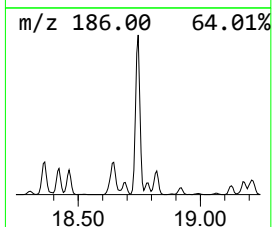
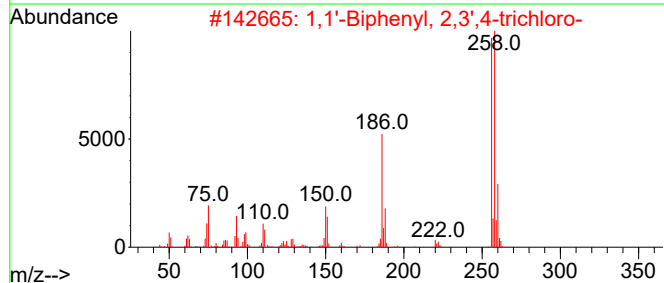
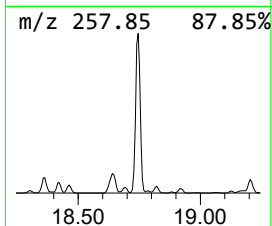
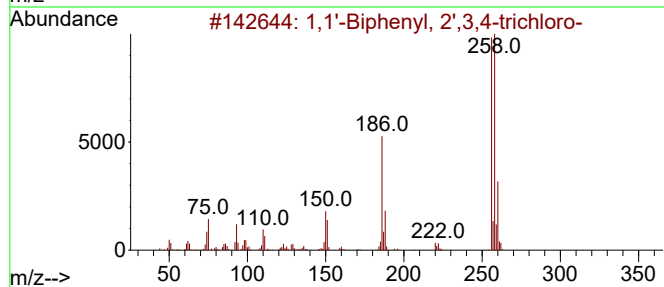
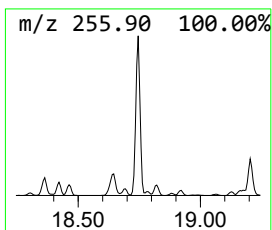
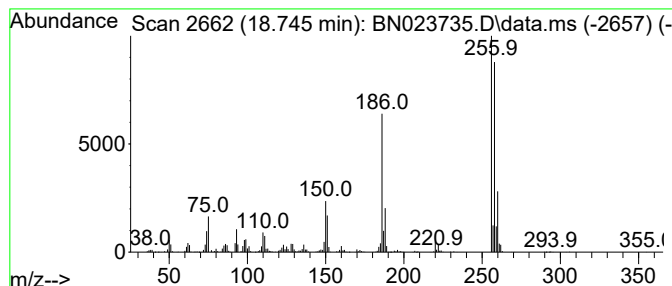
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Quant Title : SVOA CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

Peak Number 22 unknown-03 Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.745	7.56 ng/ul	1793030	Phenanthrene-d10	17.286

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,1'-Biphenyl, 2',3,4-trichloro-	256	C12H7Cl3	038444-86-9	99		
2	1,1'-Biphenyl, 2,3',4-trichloro-	256	C12H7Cl3	055712-37-3	99		
3	1,1'-Biphenyl, 2,4,4'-trichloro-	256	C12H7Cl3	007012-37-5	99		
4	1,1'-Biphenyl, 2,3',5-trichloro-	256	C12H7Cl3	038444-81-4	99		
5	1,1'-Biphenyl, 2,3,4'-Trichloro-	256	C12H7Cl3	038444-85-8	99		



Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN012023\
Data File : BN023735.D
Acq On : 20 Jan 2023 19:59
Operator : CG/JU
Sample : 01146-16ME
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
A4470ME

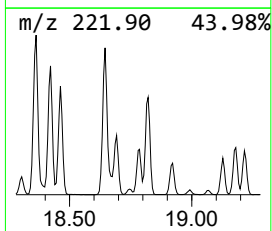
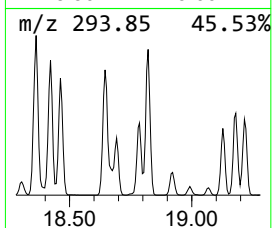
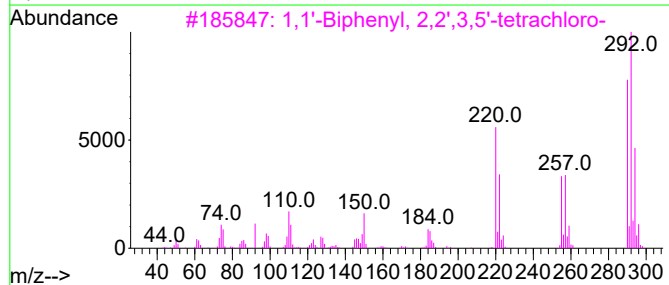
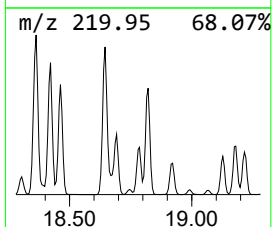
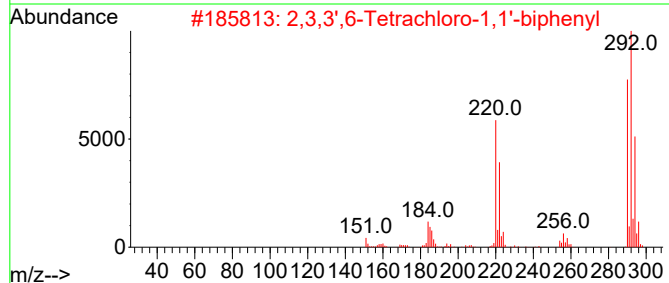
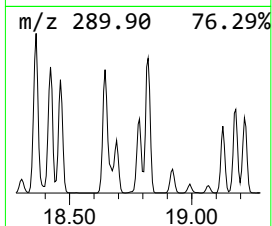
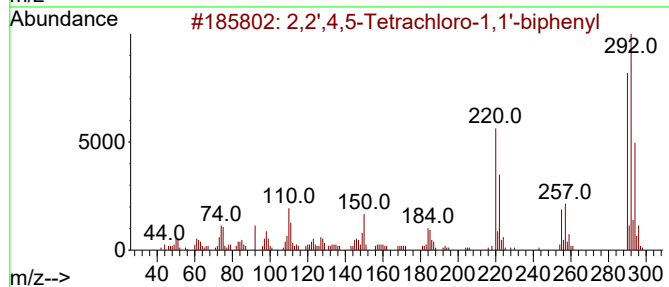
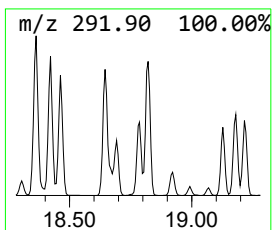
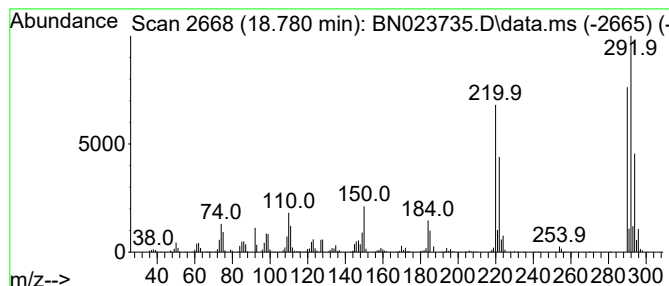
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Quant Title : SVOA CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

Peak Number 23 2,2',4,5-Tetrachloro-1,1'-b... Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.780	6.80 ng/ul	1613780	Phenanthrene-d10	17.286

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1	2,2',4,5-Tetrachloro-1,1'-biphenyl	290	C12H6Cl4	070362-47-9	99		
2	2,3,3',6-Tetrachloro-1,1'-biphenyl	290	C12H6Cl4	074472-33-6	99		
3	1,1'-Biphenyl, 2,2',3,5'-tetrach...	290	C12H6Cl4	041464-39-5	99		
4	1,1'-Biphenyl, 2,2',4,6-Tetrachl...	290	C12H6Cl4	062796-65-0	99		
5	2,2',4,6'-Tetrachloro-1,1'-biphenyl	290	C12H6Cl4	068194-04-7	99		



Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN012023\
Data File : BN023735.D
Acq On : 20 Jan 2023 19:59
Operator : CG/JU
Sample : 01146-16ME
Misc :
ALS Vial : 12 Sample Multiplier: 1

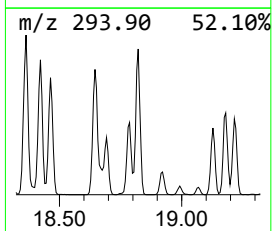
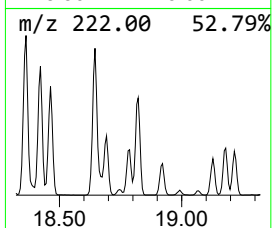
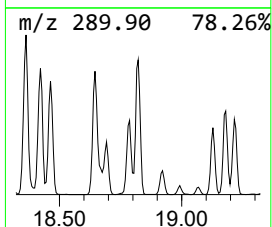
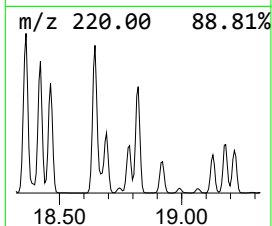
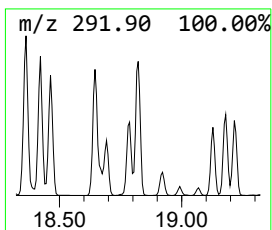
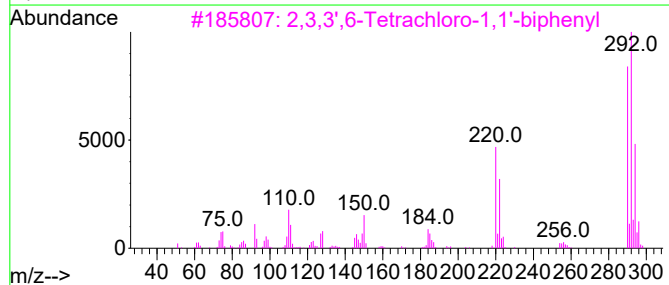
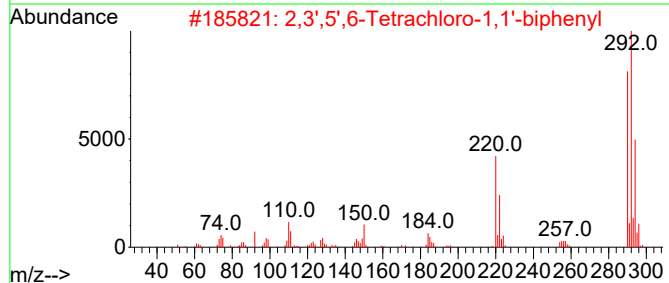
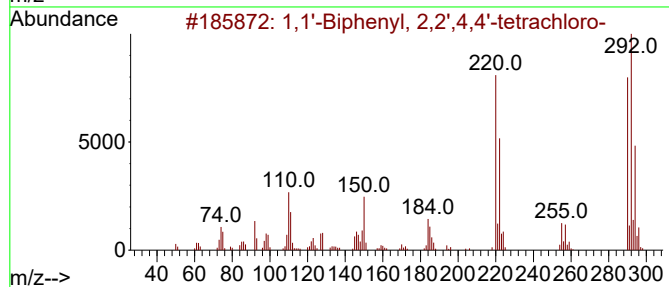
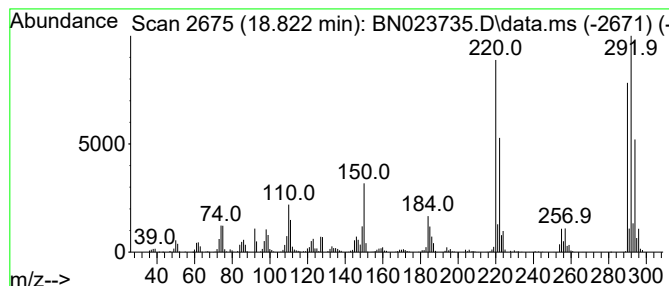
Instrument :
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ClientSampleId :
A4470ME

Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\SFAM-EPA-BN010523.M
Quant Title : SVOA CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

Peak Number 24 2,3',5',6-Tetrachloro-1,1'-... Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.		
18.822	14.47 ng/ul	3433310	Phenanthrene-d10	17.286		
Hit#	of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,1'-Biphenyl, 2,2',4,4'-tetrach...	290	C12H6Cl4	002437-79-8	99	
2	2,3',5',6-Tetrachloro-1,1'-biphenyl	290	C12H6Cl4	074338-23-1	99	
3	2,3,3',6-Tetrachloro-1,1'-biphenyl	290	C12H6Cl4	074472-33-6	99	
4	1,1'-Biphenyl, 2,2',6,6'-tetrach...	290	C12H6Cl4	015968-05-5	99	
5	1,1'-Biphenyl, 2,3',4,6-Tetrachl...	290	C12H6Cl4	060233-24-1	99	



Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN012023\
Data File : BN023735.D
Acq On : 20 Jan 2023 19:59
Operator : CG/JU
Sample : 01146-16ME
Misc :
ALS Vial : 12 Sample Multiplier: 1

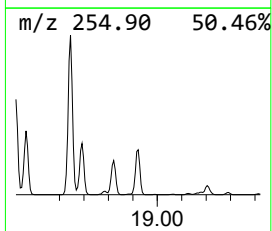
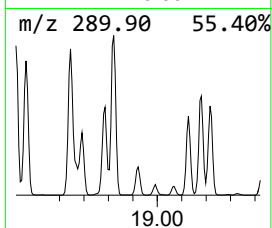
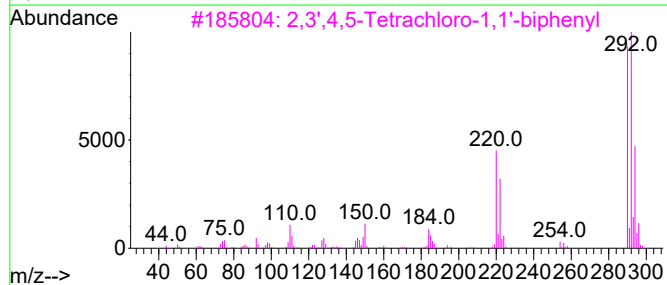
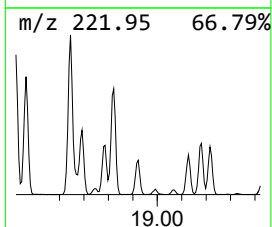
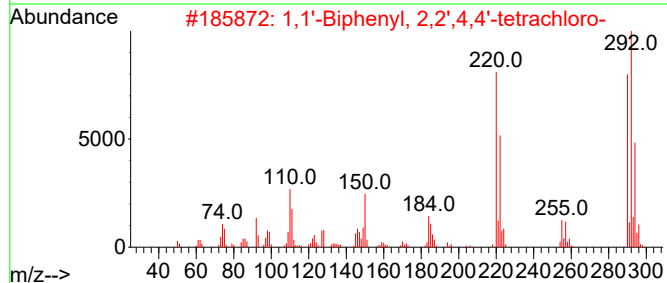
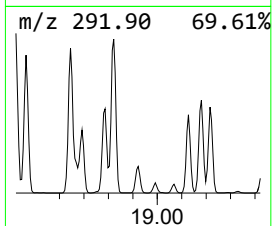
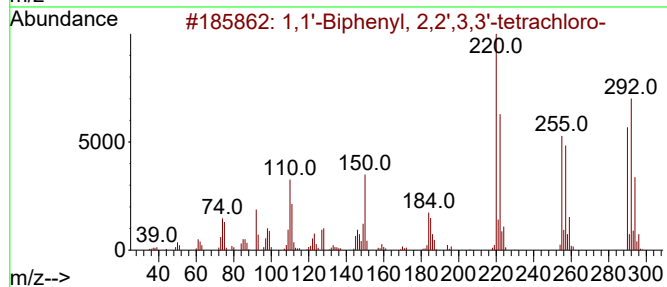
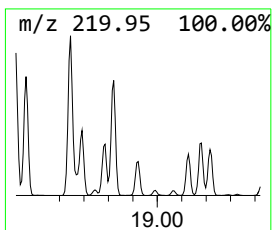
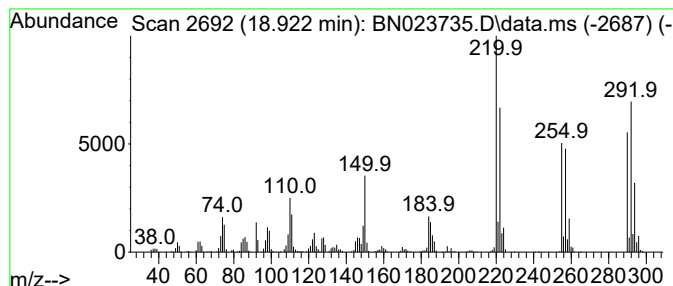
Instrument :
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ClientSampleId :
A4470ME

Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\SFAM-EPA-BN010523.M
Quant Title : SVOA CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

Peak Number 25 2,3',4,5-Tetrachloro-1,1'-b... Concentration Rank 25

R.T.	EstConc	Area	Relative to ISTD	R.T.	
18.922	4.13 ng/ul	980057	Phenanthrene-d10	17.286	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,1'-Biphenyl, 2,2',3,3'-tetrach...	290	C12H6Cl4	038444-93-8	99
2	1,1'-Biphenyl, 2,2',4,4'-tetrach...	290	C12H6Cl4	002437-79-8	99
3	2,3',4,5-Tetrachloro-1,1'-biphenyl	290	C12H6Cl4	073575-53-8	99
4	1,1'-Biphenyl, 2,2',6,6'-tetrach...	290	C12H6Cl4	015968-05-5	99
5	1,1'-Biphenyl, 2,2',5,6'-Tetrach...	290	C12H6Cl4	041464-41-9	99



Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN012023\
Data File : BN023735.D
Acq On : 20 Jan 2023 19:59
Operator : CG/JU
Sample : 01146-16ME
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
A4470ME

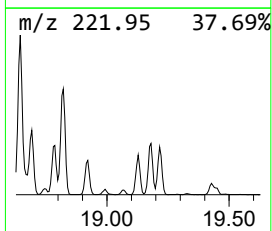
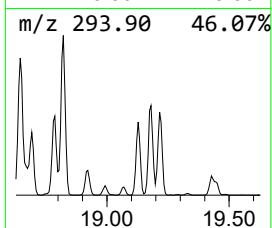
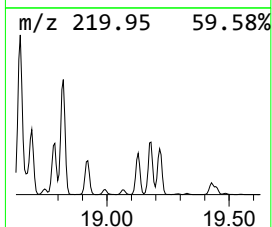
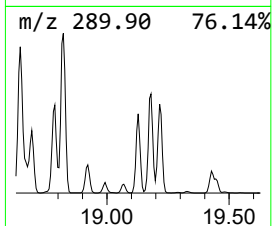
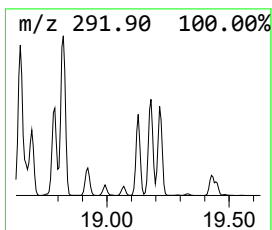
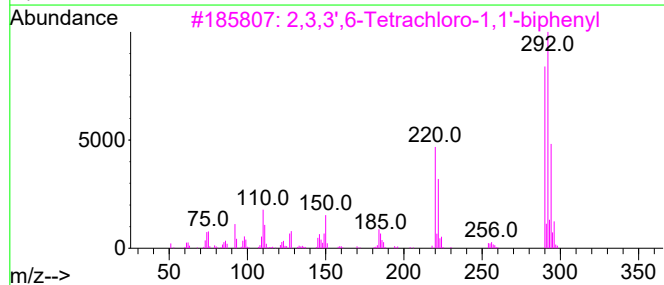
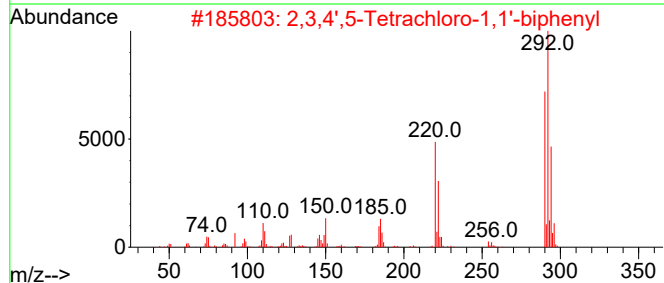
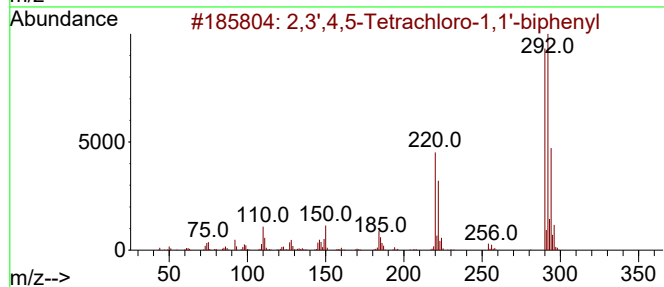
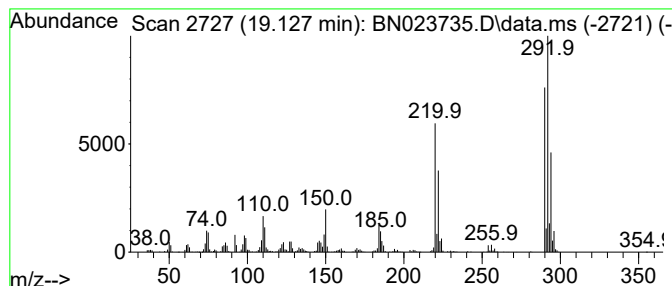
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Quant Title : SVOA CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

Peak Number 26 1,1'-Biphenyl, 2,3',4',6-te... Concentration Rank 22

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.128	5.74 ng/ul	1361120	Phenanthrene-d10	17.286

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1	2,3',4,5-Tetrachloro-1,1'-biphenyl	290	C12H6Cl4	073575-53-8	99		
2	2,3,4',5-Tetrachloro-1,1'-biphenyl	290	C12H6Cl4	074472-34-7	99		
3	2,3,3',6-Tetrachloro-1,1'-biphenyl	290	C12H6Cl4	074472-33-6	99		
4	1,1'-Biphenyl, 2,2',6,6'-tetrach...	290	C12H6Cl4	015968-05-5	99		
5	1,1'-Biphenyl, 2,3',4',6-tetrach...	290	C12H6Cl4	041464-46-4	99		



Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN012023\
Data File : BN023735.D
Acq On : 20 Jan 2023 19:59
Operator : CG/JU
Sample : 01146-16ME
Misc :
ALS Vial : 12 Sample Multiplier: 1

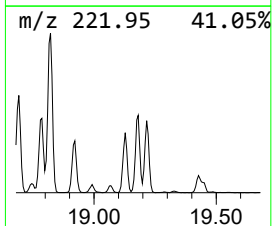
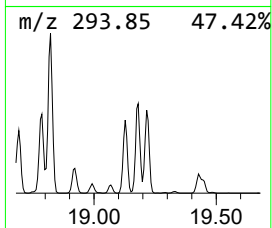
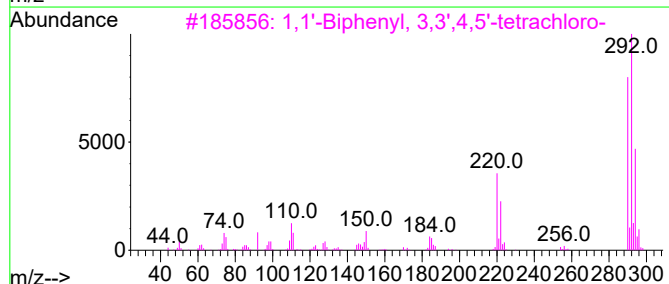
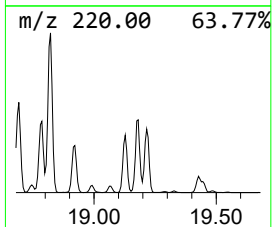
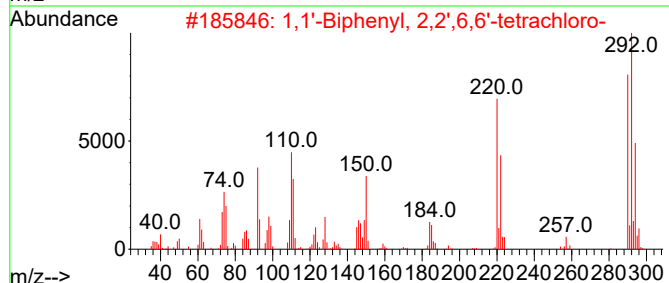
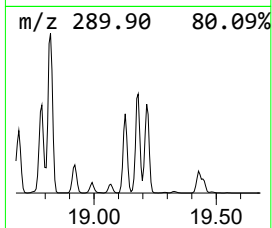
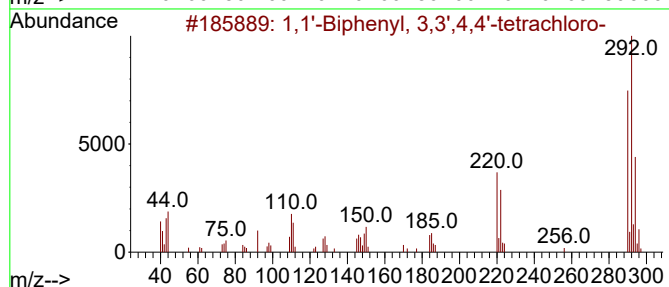
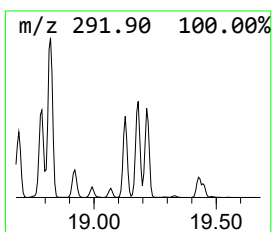
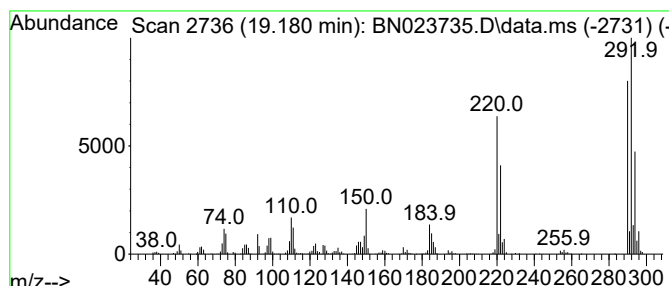
Instrument :
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Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\SFAM-EPA-BN010523.M
Quant Title : SVOA CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

Peak Number 27 1,1'-Biphenyl, 3,3',4,4'-te... Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.	
19.180	7.65 ng/ul	1816360	Phenanthrene-d10	17.286	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,1'-Biphenyl, 3,3',4,4'-tetrach...	290	C12H6Cl4	032598-13-3	99
2	1,1'-Biphenyl, 2,2',6,6'-tetrach...	290	C12H6Cl4	015968-05-5	99
3	1,1'-Biphenyl, 3,3',4,5'-tetrach...	290	C12H6Cl4	041464-48-6	98
4	2,2',4,5-Tetrachloro-1,1'-biphenyl	290	C12H6Cl4	070362-47-9	97
5	2,3',4,5-Tetrachloro-1,1'-biphenyl	290	C12H6Cl4	073575-53-8	96



Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN012023\
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Acq On : 20 Jan 2023 19:59
Operator : CG/JU
Sample : 01146-16ME
Misc :
ALS Vial : 12 Sample Multiplier: 1

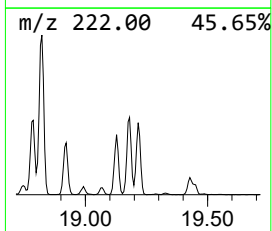
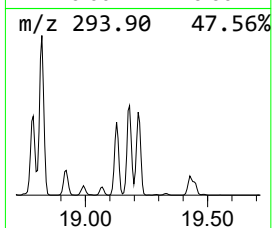
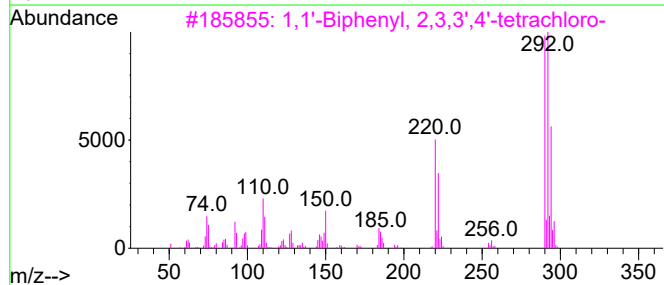
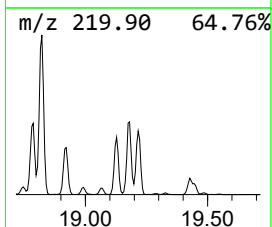
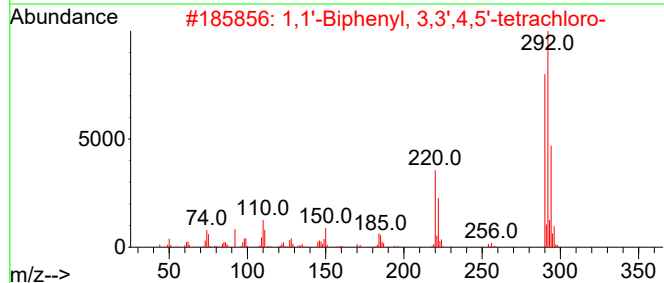
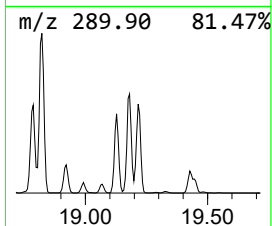
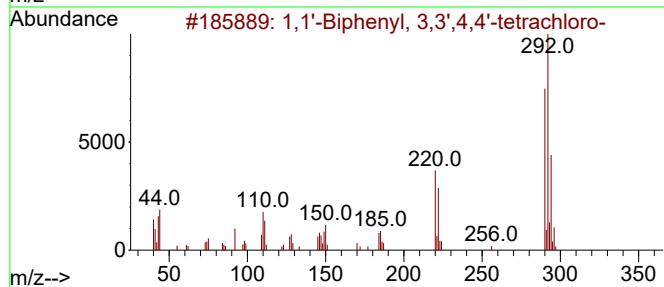
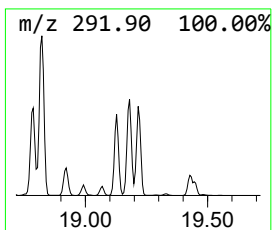
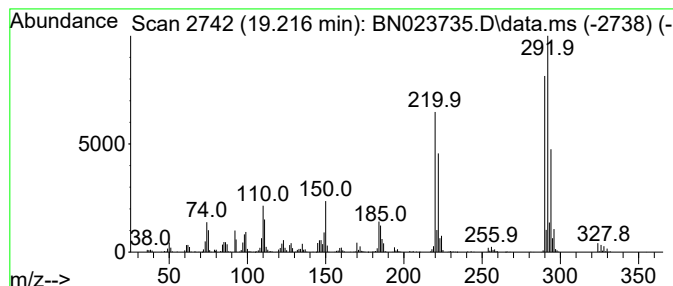
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Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\SFAM-EPA-BN010523.M
Quant Title : SVOA CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

Peak Number 28 1,1'-Biphenyl, 3,3',4,5'-te... Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD		R.T.	
19.216	9.62 ng/ul	2284180	Phenanthrene-d10		17.286	
Hit# of 5	Tentative ID		MW	MolForm	CAS#	Qual
1	1,1'-Biphenyl, 3,3',4,4'-tetrach...	290	C12H6Cl4		032598-13-3	99
2	1,1'-Biphenyl, 3,3',4,5'-tetrach...	290	C12H6Cl4		041464-48-6	99
3	1,1'-Biphenyl, 2,3,3',4'-tetrach...	290	C12H6Cl4		041464-43-1	99
4	1,1'-Biphenyl, 2,3',4',6-tetrach...	290	C12H6Cl4		041464-46-4	99
5	1,1'-Biphenyl, 2,2',6,6'-tetrach...	290	C12H6Cl4		015968-05-5	99



Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN012023\
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Acq On : 20 Jan 2023 19:59
Operator : CG/JU
Sample : 01146-16ME
Misc :
ALS Vial : 12 Sample Multiplier: 1

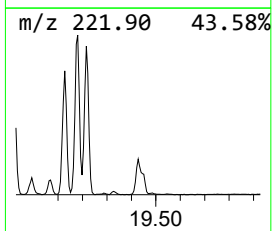
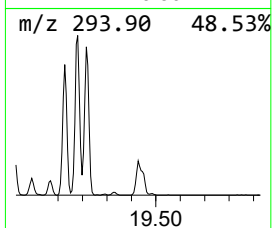
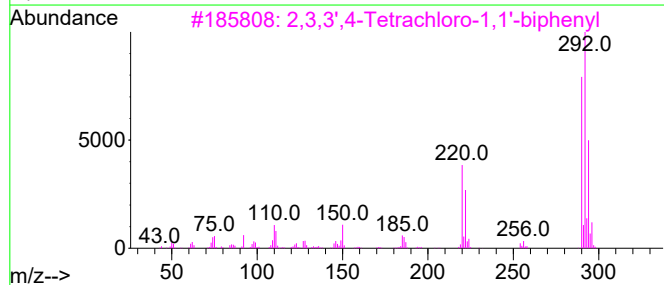
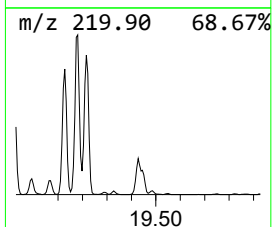
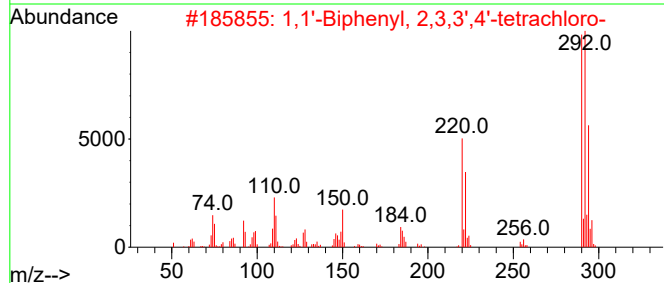
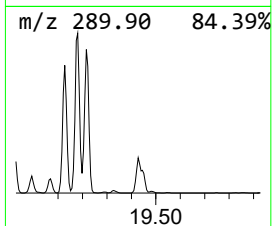
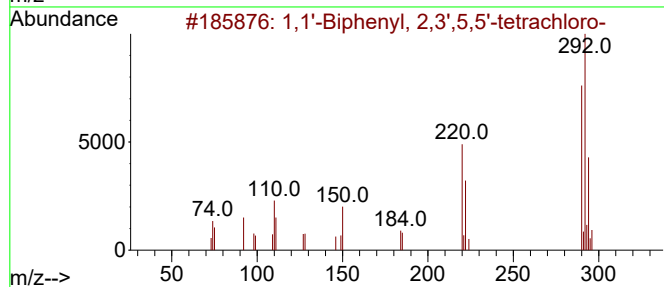
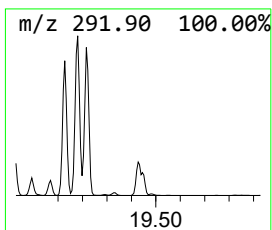
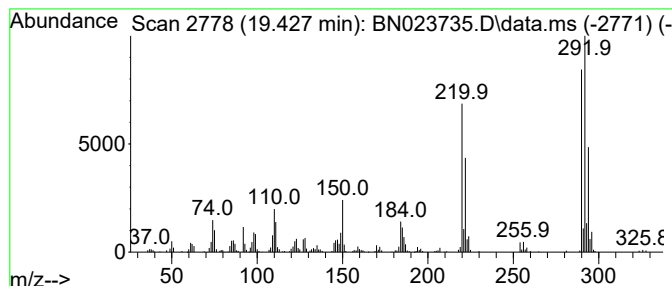
Instrument :
BNA_N
ClientSampleId :
A4470ME

Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\SFAM-EPA-BN010523.M
Quant Title : SVOA CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

Peak Number 29 1,1'-Biphenyl, 2,3',5,5'-te... Concentration Rank 26

R.T.	EstConc	Area	Relative to ISTD	R.T.	
19.427	3.72 ng/ul	467969	Chrysene-d12	21.480	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,1'-Biphenyl, 2,3',5,5'-tetrach...	290	C12H6Cl4	041464-42-0	99
2	1,1'-Biphenyl, 2,3,3',4'-tetrach...	290	C12H6Cl4	041464-43-1	99
3	2,3,3',4-Tetrachloro-1,1'-biphenyl	290	C12H6Cl4	074338-24-2	99
4	1,1'-Biphenyl, 2,3',4',6-tetrach...	290	C12H6Cl4	041464-46-4	99
5	Biphenyl, 2,4,4',5-tetrachloro-	290	C12H6Cl4	032690-93-0	99



Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN012023\
Data File : BN023735.D
Acq On : 20 Jan 2023 19:59
Operator : CG/JU
Sample : 01146-16ME
Misc :
ALS Vial : 12 Sample Multiplier: 1

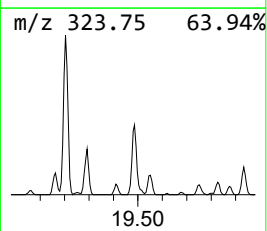
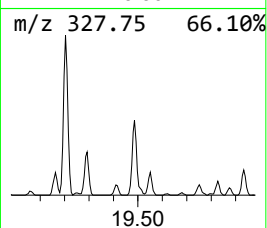
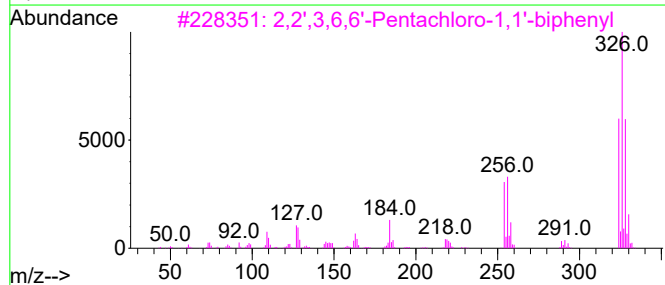
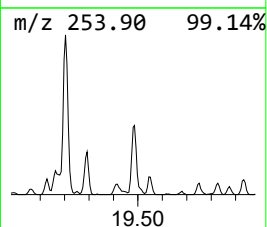
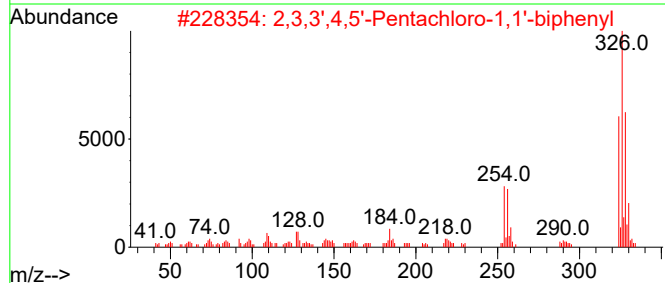
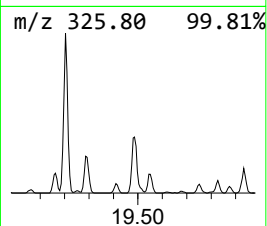
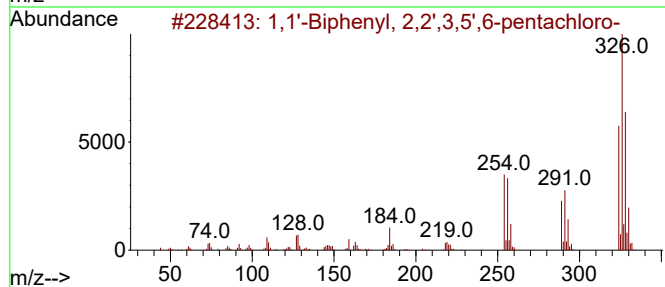
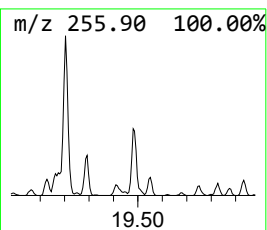
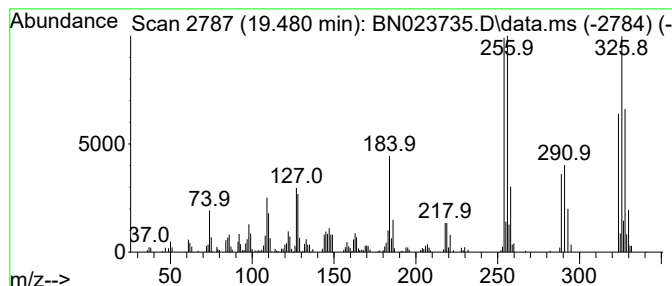
Instrument :
BNA_N
ClientSampleId :
A4470ME

Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\SFAM-EPA-BN010523.M
Quant Title : SVOA CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

Peak Number 30 1,1'-Biphenyl, 2,2',3,5',6-... Concentration Rank 27

R.T.	EstConc	Area	Relative to ISTD	R.T.		
19.480	3.61 ng/ul	454292	Chrysene-d12	21.480		
Hit#	of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,1'-Biphenyl, 2,2',3,5',6-penta...	324	C12H5Cl5	038379-99-6	99	
2	2,3,3',4,5'-Pentachloro-1,1'-bip...	324	C12H5Cl5	070362-41-3	98	
3	2,2',3,6,6'-Pentachloro-1,1'-bip...	324	C12H5Cl5	073575-54-9	98	
4	1,1'-Biphenyl, 2,3,4',5,6-Pentac...	324	C12H5Cl5	068194-11-6	98	
5	1,1'-Biphenyl, 2,2',4,5',6-Penta...	324	C12H5Cl5	060145-21-3	98	



Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN012023\
Data File : BN023735.D
Acq On : 20 Jan 2023 19:59
Operator : CG/JU
Sample : 01146-16ME
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
A4470ME

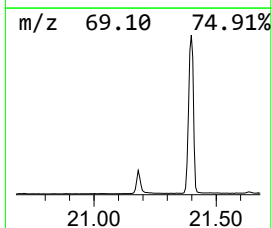
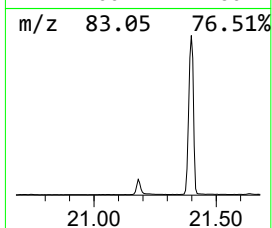
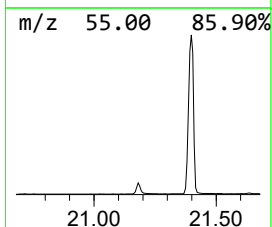
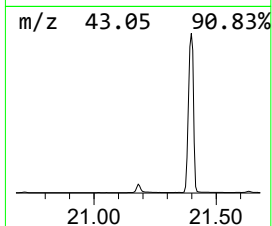
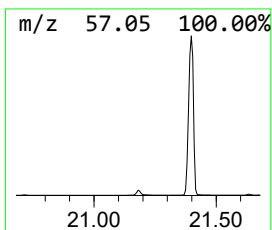
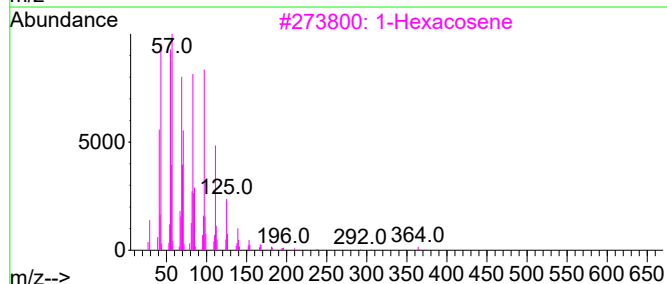
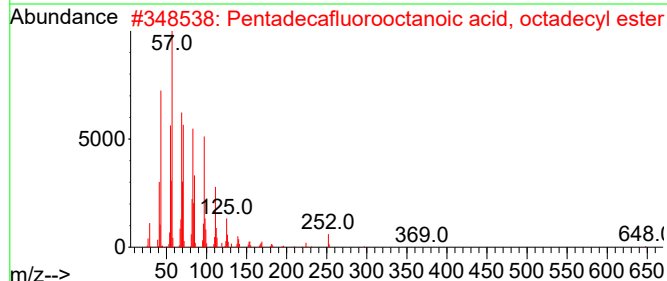
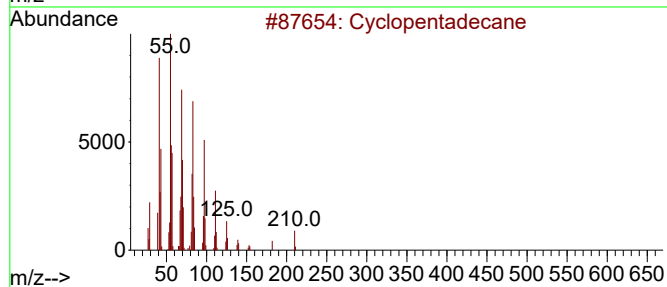
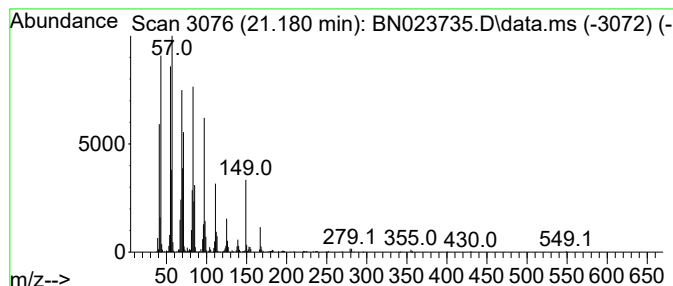
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\SFAM-EPA-BN010523.M
Quant Title : SVOA CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

Peak Number 31 (DEL) Alkane: Cyclic21.180 Concentration Rank 23

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.180	5.29 ng/ul	666329	Chrysene-d12	21.480

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Cyclopentadecane	210	C15H30	000295-48-7	96
2			Pentadecafluorooctanoic acid, oc...	666	C26H37F15O2	1000406-04-8	94
3			1-Hexacosene	364	C26H52	018835-33-1	94
4			Heptadecyl heptafluorobutyrate	452	C21H35F7O2	959085-66-6	94
5			Trichloroacetic acid, hexadecyl ...	386	C18H33Cl3O2	074339-54-1	94



Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN012023\
 Data File : BN023735.D
 Acq On : 20 Jan 2023 19:59
 Operator : CG/JU
 Sample : 01146-16ME
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 A4470ME

Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\SFAM-EPA-BN010523.M
 Quant Title : SVOA CALIBRATION

TIC Library : C:\Database\NIST0.L
 TIC Integration Parameters: LSCINT.P

TIC Top Hit name	RT	EstConc	Units	Response	--Internal Standard--			
					#	RT	Resp	Conc
1-Hexanol, 2-et...	7.957	74.8	ng/ul	4357470	1	7.893	1164840	20.0
(DEL) Alkane: C...	13.275	2.8	ng/ul	311686	3	14.540	2210640	20.0
1,1'-Biphenyl, ...	15.792	32.5	ng/ul	3587650	3	14.540	2210640	20.0
1,1'-Biphenyl, ...	16.398	2.5	ng/ul	594828	4	17.286	4746360	20.0
1,1'-Biphenyl, ...	16.516	8.1	ng/ul	1914580	4	17.286	4746360	20.0
1,1'-Biphenyl, ...	16.816	6.1	ng/ul	1452990	4	17.286	4746360	20.0
1,1'-Biphenyl, ...	17.163	18.1	ng/ul	4293000	4	17.286	4746360	20.0
1,1'-Biphenyl, ...	17.204	12.4	ng/ul	2951410	4	17.286	4746360	20.0
1,1'-Biphenyl, ...	17.463	19.0	ng/ul	4501000	4	17.286	4746360	20.0
1,1'-Biphenyl, ...	17.739	5.3	ng/ul	1245100	4	17.286	4746360	20.0
1,1'-Biphenyl, ...	17.769	2.4	ng/ul	576096	4	17.286	4746360	20.0
1,1'-Biphenyl, ...	17.892	52.5	ng/ul	12458200	4	17.286	4746360	20.0
unknown-01	18.016	15.1	ng/ul	3585330	4	17.286	4746360	20.0
unknown-02	18.139	13.6	ng/ul	3221600	4	17.286	4746360	20.0
1,1'-Biphenyl, ...	18.192	6.0	ng/ul	1424070	4	17.286	4746360	20.0
1,1'-Biphenyl, ...	18.304	2.3	ng/ul	535409	4	17.286	4746360	20.0
1,1'-Biphenyl, ...	18.363	21.8	ng/ul	5172440	4	17.286	4746360	20.0
2,3,3',6-Tetrac...	18.422	15.8	ng/ul	3748430	4	17.286	4746360	20.0
1,1'-Biphenyl, ...	18.463	13.5	ng/ul	3200530	4	17.286	4746360	20.0
1,1'-Biphenyl, ...	18.645	20.8	ng/ul	4938080	4	17.286	4746360	20.0
1,1'-Biphenyl, ...	18.692	7.0	ng/ul	1649470	4	17.286	4746360	20.0
unknown-03	18.745	7.6	ng/ul	1793030	4	17.286	4746360	20.0
2,2',4,5-Tetrac...	18.780	6.8	ng/ul	1613780	4	17.286	4746360	20.0
2,3',5',6-Tetra...	18.822	14.5	ng/ul	3433310	4	17.286	4746360	20.0
2,3',4,5-Tetrac...	18.922	4.1	ng/ul	980057	4	17.286	4746360	20.0
1,1'-Biphenyl, ...	19.128	5.7	ng/ul	1361120	4	17.286	4746360	20.0
1,1'-Biphenyl, ...	19.180	7.7	ng/ul	1816360	4	17.286	4746360	20.0
1,1'-Biphenyl, ...	19.216	9.6	ng/ul	2284180	4	17.286	4746360	20.0
1,1'-Biphenyl, ...	19.427	3.7	ng/ul	467969	5	21.480	2518070	20.0
1,1'-Biphenyl, ...	19.480	3.6	ng/ul	454292	5	21.480	2518070	20.0
(DEL) Alkane: C...	21.180	5.3	ng/ul	666329	5	21.480	2518070	20.0