

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN020223\
 Data File : BN023903.D
 Acq On : 02 Feb 2023 13:59
 Operator : CG/JU
 Sample : 01362-04
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 A4442

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-BN020123.M
 Title : SVOA CALIBRATION

Signal : TIC: BN023903.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	7.022	660	669	681	rVB	518032	796194	0.56%	0.052%
2	7.187	690	697	705	rVB	420284	630282	0.44%	0.041%
3	7.381	723	730	739	rVB	554502	840748	0.59%	0.054%
4	7.852	803	810	818	rBV	673174	1017999	0.72%	0.066%
5	8.569	926	932	940	rBV	652934	1015371	0.71%	0.066%
6	9.022	1002	1009	1017	rBV	544366	858085	0.60%	0.056%
7	9.746	1123	1132	1143	rBV	478871	783290	0.55%	0.051%
8	10.281	1216	1223	1233	rBV	701965	1141473	0.80%	0.074%
9	10.522	1258	1264	1273	rVB	771820	1192925	0.84%	0.077%
10	10.663	1280	1288	1295	rBV	912149	1503463	1.06%	0.097%
11	10.805	1305	1312	1324	rBV	630646	1044348	0.73%	0.068%
12	13.234	1719	1725	1734	rVV	270363	375247	0.26%	0.024%
13	13.334	1734	1742	1747	rVV	227713	384406	0.27%	0.025%
14	13.922	1833	1842	1849	rBV	1241471	1735154	1.22%	0.112%
15	14.198	1884	1889	1893	rVV	1493943	2120561	1.49%	0.137%
16	14.234	1893	1895	1902	rVB	176288	214870	0.15%	0.014%
17	14.504	1931	1941	1944	rBV	1450794	2294718	1.61%	0.148%
18	14.634	1953	1963	1972	rBV	8540751	12025661	8.46%	0.778%
19	14.716	1972	1977	1987	rVV	533436	737062	0.52%	0.048%
20	15.351	2079	2085	2092	rVB	519114	737356	0.52%	0.048%
21	15.440	2092	2100	2105	rBV	2599354	3651613	2.57%	0.236%
22	15.498	2105	2110	2116	rVB	1803233	2496324	1.76%	0.162%
23	15.640	2128	2134	2141	rBV	505066	714142	0.50%	0.046%
24	15.792	2149	2160	2164	rBV	25997096	59245465	41.66%	3.834%
25	16.098	2205	2212	2219	rBV	2746949	3835172	2.70%	0.248%
26	16.210	2224	2231	2237	rVB	13242278	19549960	13.75%	1.265%
27	16.387	2249	2261	2272	rBV	18793777	32249336	22.67%	2.087%
28	16.534	2272	2286	2290	rBV2	28919816	86242712	60.64%	5.580%
29	16.804	2323	2332	2337	rBV	16098363	25002202	17.58%	1.618%
30	16.881	2339	2345	2348	rBV	223029	377513	0.27%	0.024%
31	17.051	2366	2374	2382	rBV	253409	616475	0.43%	0.040%
32	17.198	2382	2399	2402	rBV4	29437953	127387057	89.57%	8.243%
33	17.228	2402	2404	2407	rVB	25643891	26145081	18.38%	1.692%
34	17.287	2407	2414	2417	rBV	21617593	38933840	27.37%	2.519%
35	17.316	2417	2419	2427	rVB	12366442	16752693	11.78%	1.084%
36	17.398	2429	2433	2436	rBV	1950515	2361889	1.66%	0.153%

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Sampling : 1

Min Area: 0.1 % of largest Peak

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Max Peaks: 100

Stop Thrs : 0

Peak Location: TOP

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

Peak separation: 5

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37	17.481	2436	2447	2451	rVB4	28709762	79845476	56.14%	5.166%
38	17.557	2455	2460	2468	rVB	754130	1313721	0.92%	0.085%
39	17.634	2468	2473	2481	rVB2	2135266	3495519	2.46%	0.226%
40	17.734	2481	2490	2493	rBV	16538706	35338407	24.85%	2.287%

41	17.810	2502	2503	2506	rVB	294825	256176	0.18%	0.017%
42	17.922	2506	2522	2526	rBV6	30146357	142226667	100.00%	9.203%
43	18.057	2532	2545	2548	rBV3	29096386	91665328	64.45%	5.931%
44	18.092	2548	2551	2555	rVV	7887816	8630177	6.07%	0.558%
45	18.169	2555	2564	2567	rVV2	25885672	56515017	39.74%	3.657%

46	18.210	2567	2571	2575	rVB	18626666	25056134	17.62%	1.621%
47	18.298	2580	2586	2590	rBV	9764958	12904854	9.07%	0.835%
48	18.381	2590	2600	2603	rVV2	27873858	73206082	51.47%	4.737%
49	18.439	2603	2610	2613	rVV	26612749	57363589	40.33%	3.712%
50	18.486	2613	2618	2622	rVB	26433677	43062937	30.28%	2.786%

51	18.663	2637	2648	2652	rBV3	28290933	77996226	54.84%	5.047%
52	18.704	2652	2655	2658	rVV	22055720	27607348	19.41%	1.786%
53	18.757	2658	2664	2667	rVV	19531794	34615084	24.34%	2.240%
54	18.792	2667	2670	2673	rVV	17487434	27731505	19.50%	1.794%
55	18.834	2673	2677	2682	rVV	27943818	46773484	32.89%	3.027%

56	18.881	2682	2685	2687	rVV	1204535	1361954	0.96%	0.088%
57	18.922	2687	2692	2696	rVV	15118526	19870588	13.97%	1.286%
58	18.975	2696	2701	2708	rVV	2452247	3353106	2.36%	0.217%
59	19.051	2708	2714	2719	rVB2	2256124	3041667	2.14%	0.197%
60	19.116	2719	2725	2729	rBV	13183894	19506653	13.72%	1.262%

61	19.181	2729	2736	2739	rVV	18729045	38953829	27.39%	2.521%
62	19.216	2739	2742	2746	rVV	17967846	22430497	15.77%	1.451%
63	19.275	2748	2752	2756	rVV	2881296	3376992	2.37%	0.219%
64	19.310	2756	2758	2763	rVB	469797	558845	0.39%	0.036%
65	19.410	2768	2775	2781	rBV	5366323	11821727	8.31%	0.765%

66	19.463	2781	2784	2791	rVV	4555757	5858967	4.12%	0.379%
67	19.528	2791	2795	2799	rVB	1182535	1344266	0.95%	0.087%
68	19.663	2813	2818	2823	rBV	2139335	2942870	2.07%	0.190%
69	19.722	2824	2828	2834	rVB	702870	924590	0.65%	0.060%
70	19.798	2834	2841	2846	rBV	842150	1145145	0.81%	0.074%

71	19.851	2846	2850	2854	rVB	476748	559509	0.39%	0.036%
72	19.910	2855	2860	2864	rBV	1432145	1666317	1.17%	0.108%
73	19.957	2864	2868	2872	rVB	700479	843283	0.59%	0.055%
74	20.051	2880	2884	2892	rVB	423280	522830	0.37%	0.034%
75	20.163	2899	2903	2909	rBV4	162611	356088	0.25%	0.023%

76	20.222	2909	2913	2921	rVB	1095170	1323416	0.93%	0.086%
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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

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77	20.357	2932	2936	2940	rBV5	98434	179071	0.13%	0.012%
78	20.528	2958	2965	2970	rBV2	859348	1222654	0.86%	0.079%
79	21.145	3067	3070	3081	rVB	734846	1008455	0.71%	0.065%
80	21.398	3102	3113	3116	rBV4	26822233	67616238	47.54%	4.375%
81	21.451	3116	3122	3129	rVB	1699096	2362460	1.66%	0.153%
82	22.580	3310	3314	3325	rVB	1146135	2011008	1.41%	0.130%
83	22.698	3331	3334	3338	rBV	201335	299684	0.21%	0.019%
84	23.374	3445	3449	3455	rBV	530089	856340	0.60%	0.055%
85	23.692	3497	3503	3515	rVB2	1097173	2298387	1.62%	0.149%
86	23.857	3525	3531	3549	rVB2	1076119	2343139	1.65%	0.152%
87	26.174	3919	3925	3935	rVB3	331818	876426	0.62%	0.057%

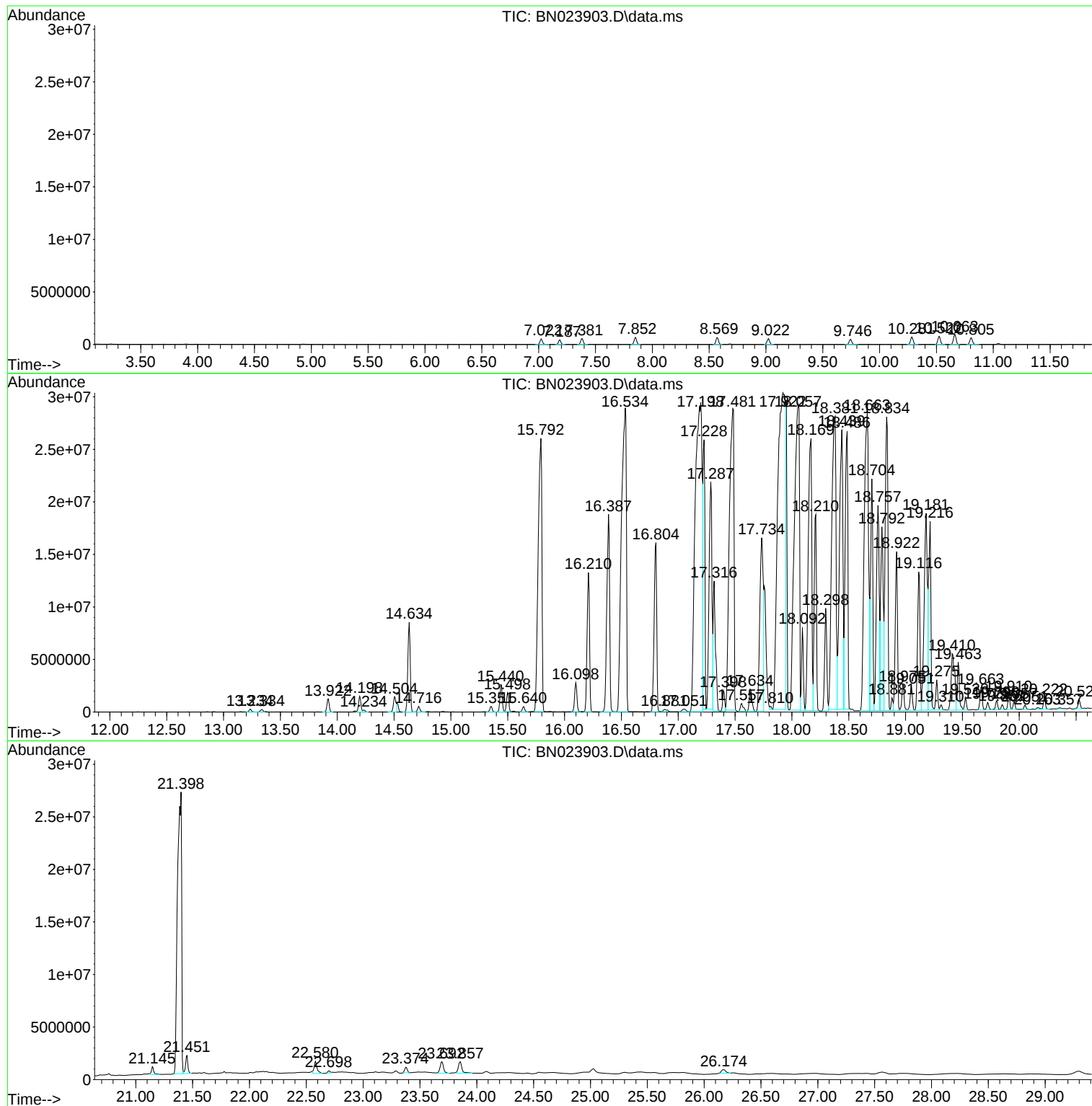
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ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
A4442

Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\SFAM-EPA-BN020123.M
Quant Title : SVOA CALIBRATION

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



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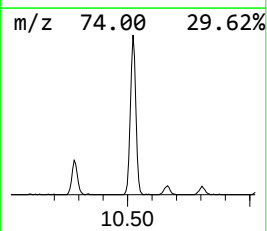
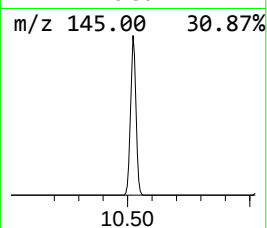
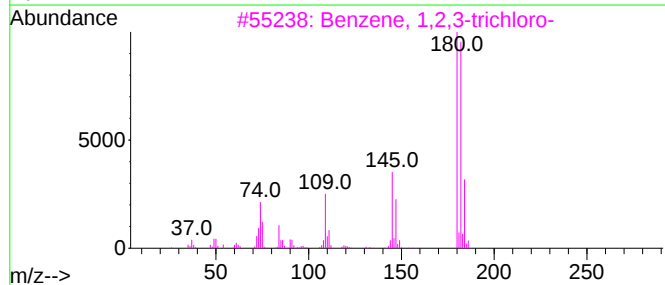
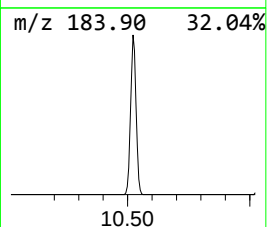
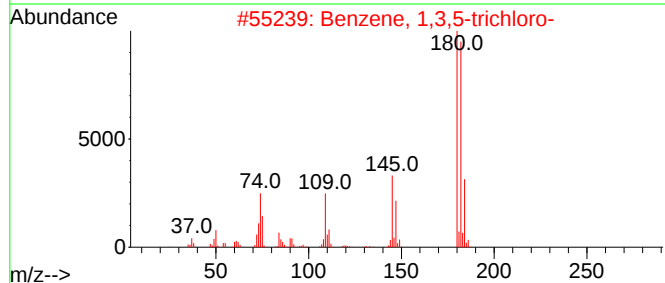
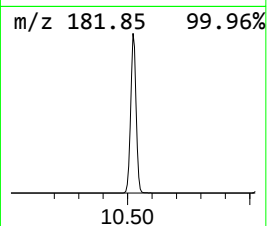
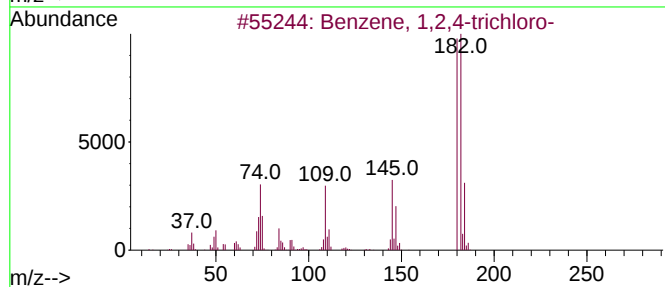
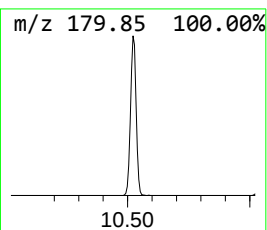
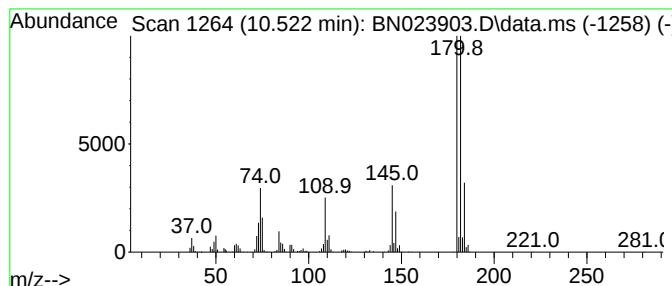
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\SFAM-EPA-BN020123.M
Quant Title : SVOA CALIBRATION

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

Peak Number 1 Benzene, 1,2,4-trichloro- Concentration Rank 31

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.522	15.87 ng/ul	1192930	Naphthalene-d8	10.663

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Benzene, 1,2,4-trichloro-	180	C6H3Cl3	000120-82-1	98
2			Benzene, 1,3,5-trichloro-	180	C6H3Cl3	000108-70-3	98
3			Benzene, 1,2,3-trichloro-	180	C6H3Cl3	000087-61-6	98
4			Benzene, 1,2,3-trichloro-	180	C6H3Cl3	000087-61-6	98
5			Benzene, 1,2,3-trichloro-	180	C6H3Cl3	000087-61-6	97



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ALS Vial : 9 Sample Multiplier: 1

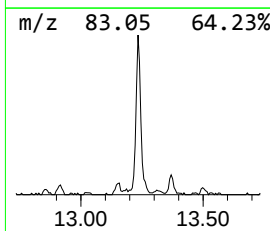
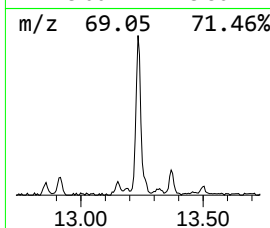
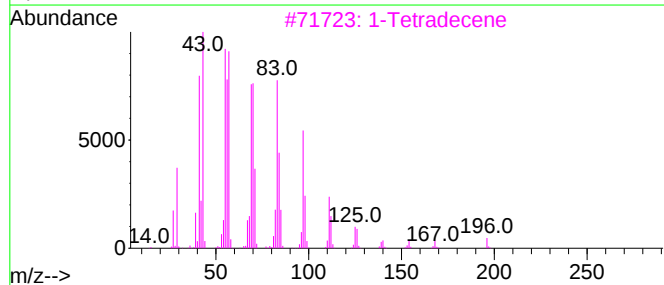
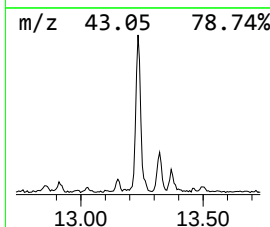
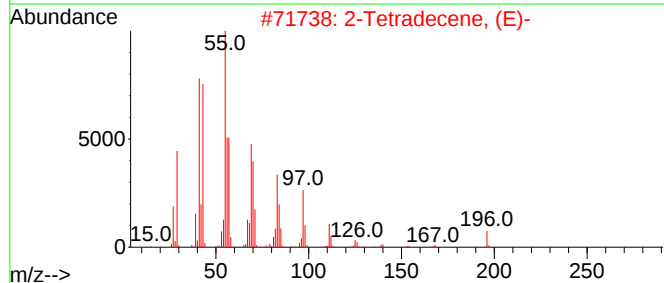
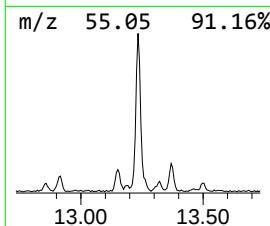
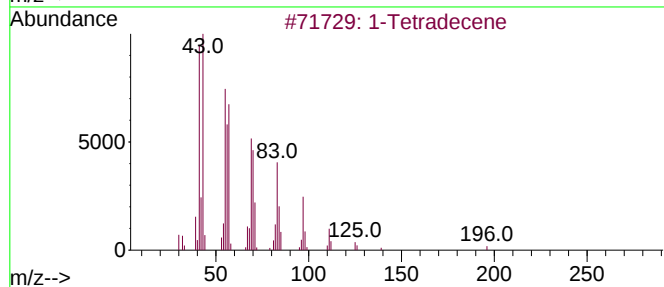
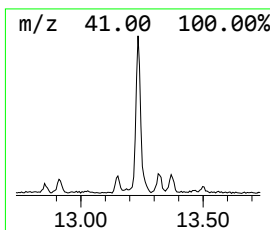
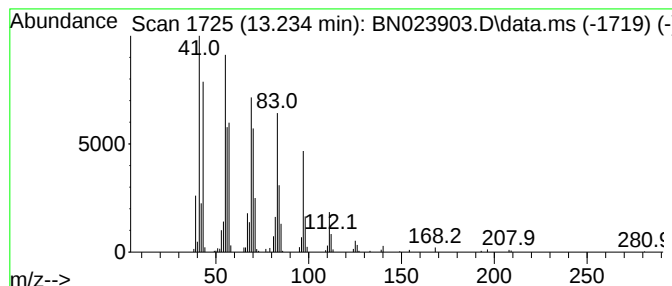
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Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\SFAM-EPA-BN020123.M
Quant Title : SVOA CALIBRATION

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

Peak Number 2 (DEL) Alkane: Straight-Chai... Concentration Rank 53

R.T.	EstConc	Area	Relative to ISTD		R.T.	
13.234	3.27 ng/ul	375247	Acenaphthene-d10		14.504	
Hit# of 5	Tentative ID		MW	MolForm	CAS#	Qual
1	1-Tetradecene		196	C14H28	001120-36-1	98
2	2-Tetradecene, (E)-		196	C14H28	035953-54-9	97
3	1-Tetradecene		196	C14H28	001120-36-1	97
4	1-Dodecene		168	C12H24	000112-41-4	95
5	Cyclopropane, nonyl-		168	C12H24	074663-85-7	94



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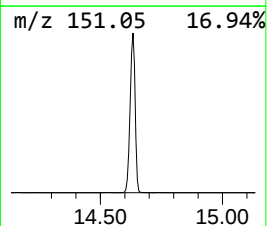
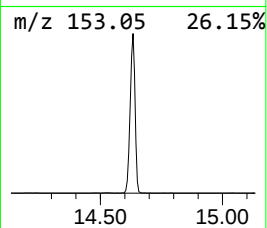
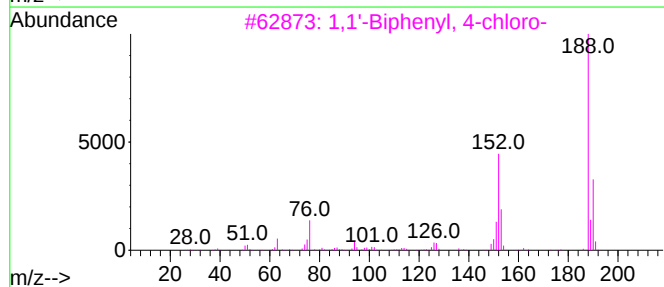
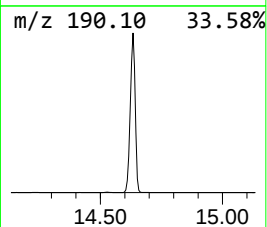
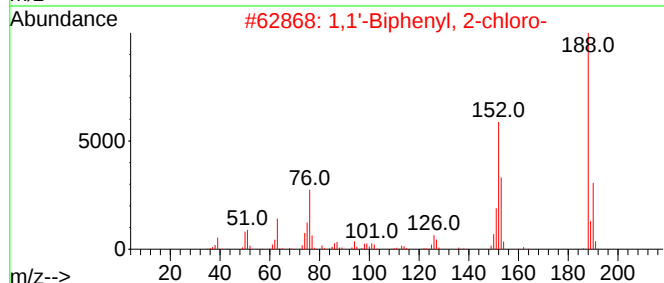
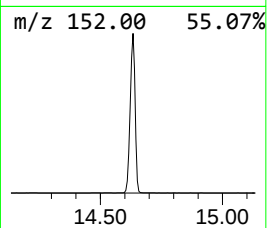
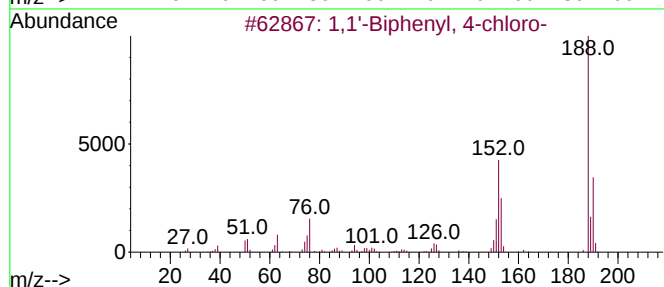
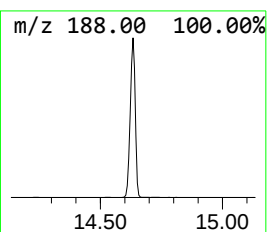
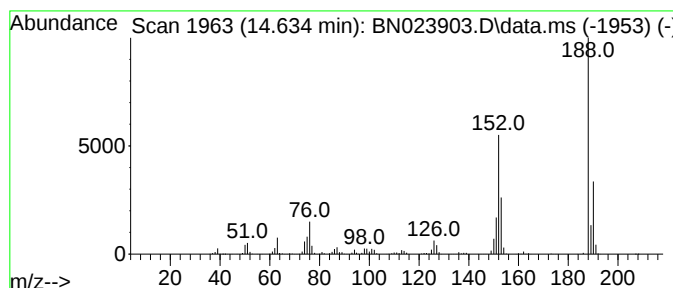
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\SFAM-EPA-BN020123.M
Quant Title : SVOA CALIBRATION

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

Peak Number 4 1,1'-Biphenyl, 4-chloro- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.634	104.81 ng/ul	12025700	Acenaphthene-d10	14.504

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,1'-Biphenyl, 4-chloro-			188	C12H9Cl	002051-62-9	97
2	1,1'-Biphenyl, 2-chloro-			188	C12H9Cl	002051-60-7	96
3	1,1'-Biphenyl, 4-chloro-			188	C12H9Cl	002051-62-9	95
4	1,1'-Biphenyl, 4-chloro-			188	C12H9Cl	002051-62-9	95
5	1,1'-Biphenyl, 2-chloro-			188	C12H9Cl	002051-60-7	94



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A4442

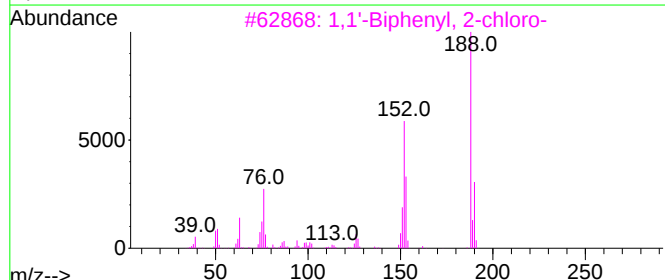
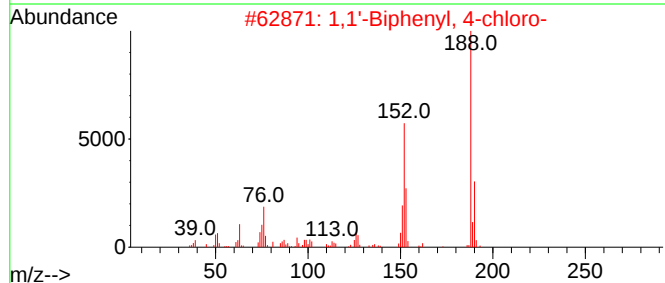
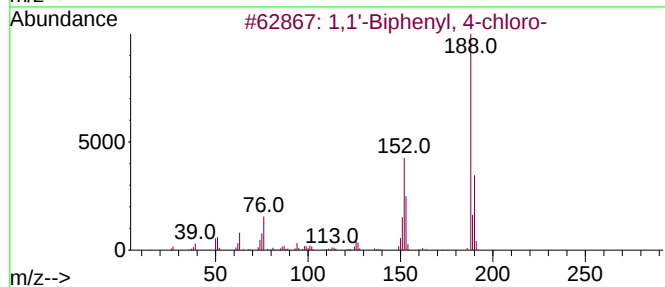
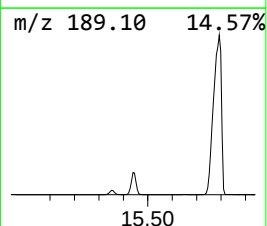
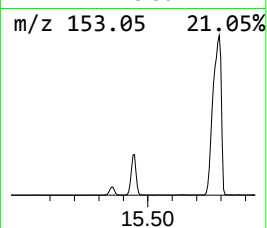
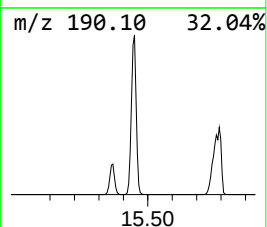
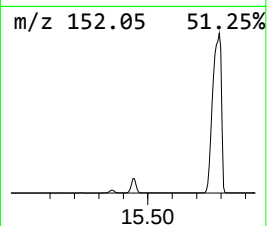
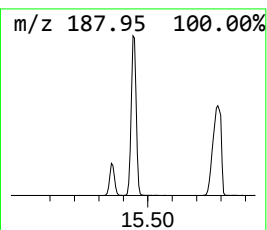
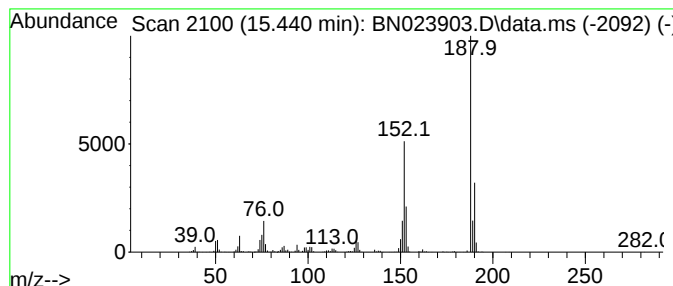
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Quant Title : SVOA CALIBRATION

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

Peak Number 6 1,1'-Biphenyl, 2-chloro- Concentration Rank 22

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.440	31.83 ng/ul	3651610	Acenaphthene-d10	14.504

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,1'-Biphenyl, 4-chloro-			188	C12H9Cl	002051-62-9	98
2	1,1'-Biphenyl, 4-chloro-			188	C12H9Cl	002051-62-9	98
3	1,1'-Biphenyl, 2-chloro-			188	C12H9Cl	002051-60-7	96
4	3-Chlorobiphenyl			188	C12H9Cl	002051-61-8	96
5	3-Chlorobiphenyl			188	C12H9Cl	002051-61-8	96



Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN020223\
Data File : BN023903.D
Acq On : 02 Feb 2023 13:59
Operator : CG/JU
Sample : 01362-04
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
A4442

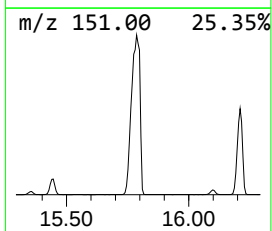
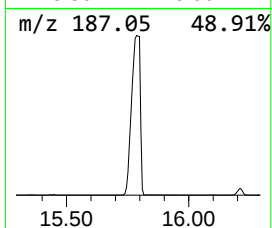
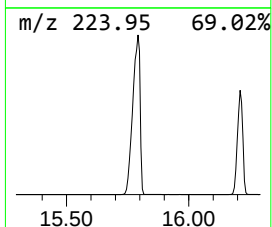
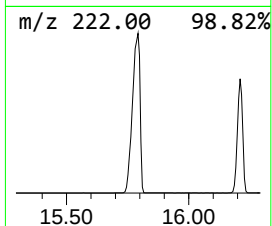
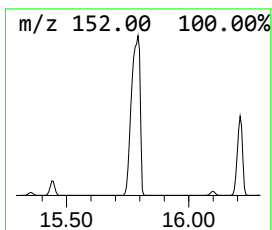
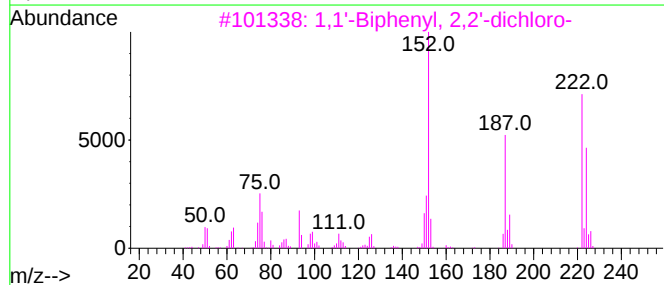
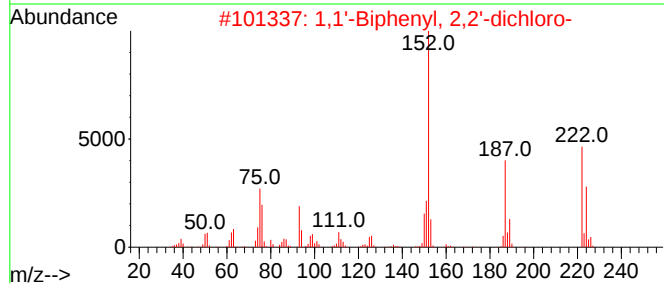
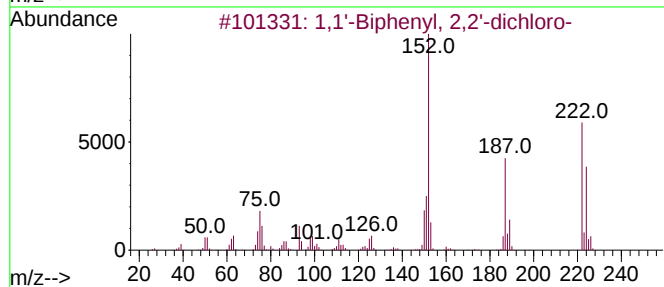
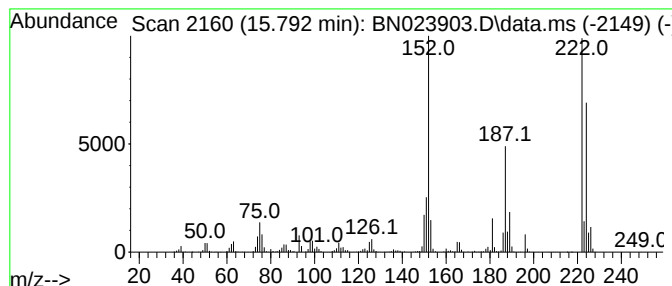
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Quant Title : SVOA CALIBRATION

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

Peak Number 7 1,1'-Biphenyl, 2,2'-dichloro- Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.793	516.36 ng/ul	59245500	Acenaphthene-d10	14.504

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	97	
4	1,1'-Biphenyl, 2,2'-dichloro-	222	C12H8Cl2	013029-08-8	97	
5	1,1'-Biphenyl, 2,3-dichloro-	222	C12H8Cl2	016605-91-7	96	



Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN020223\
Data File : BN023903.D
Acq On : 02 Feb 2023 13:59
Operator : CG/JU
Sample : 01362-04
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
A4442

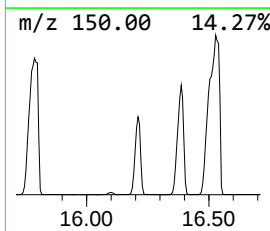
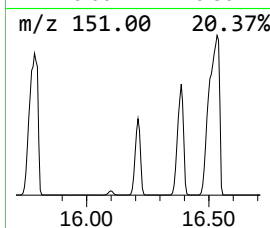
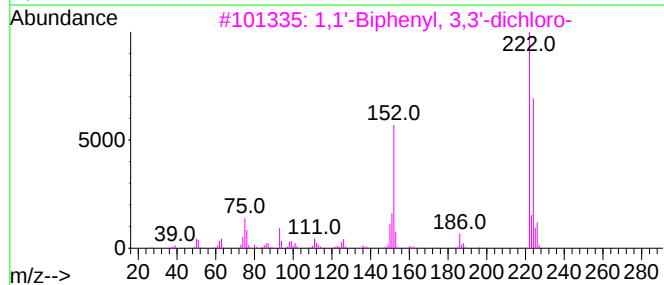
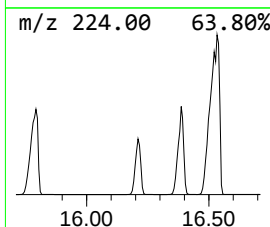
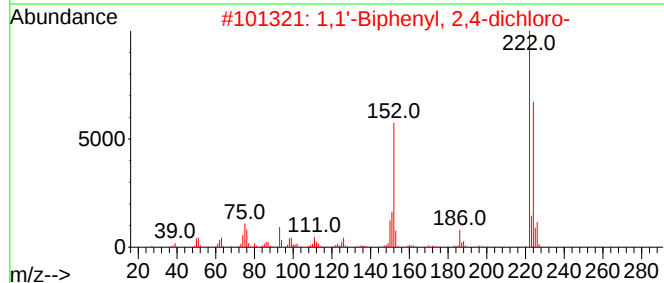
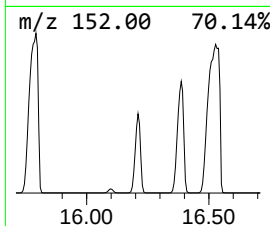
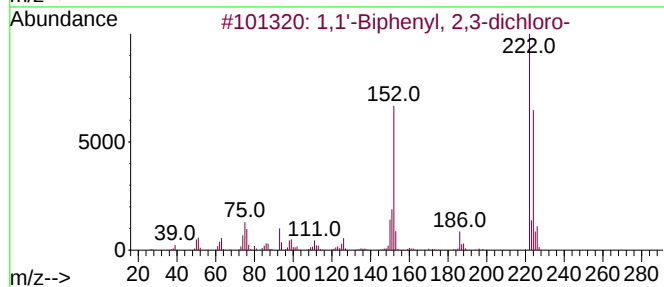
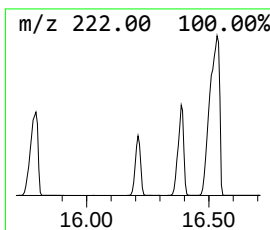
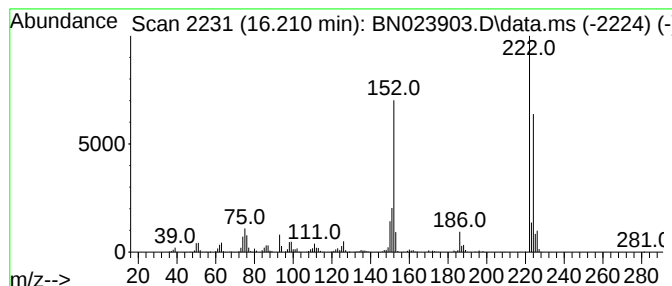
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Quant Title : SVOA CALIBRATION

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

Peak Number 9 1,1'-Biphenyl, 2,3-dichloro- Concentration Rank 28

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.210	23.34 ng/ul	19550000	Phenanthrene-d10	17.316

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, 3,3'-dichloro-	222	C12H8Cl2	002050-67-1	98		
4	1,1'-Biphenyl, 2,4-dichloro-	222	C12H8Cl2	033284-50-3	98		
5	1,1'-Biphenyl, 2,5-dichloro-	222	C12H8Cl2	034883-39-1	98		



Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN020223\
Data File : BN023903.D
Acq On : 02 Feb 2023 13:59
Operator : CG/JU
Sample : 01362-04
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
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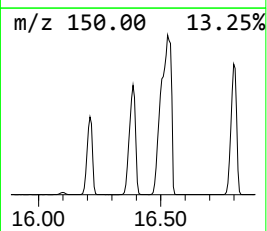
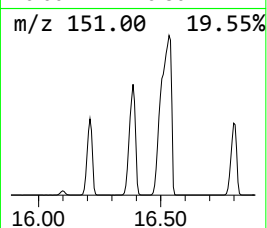
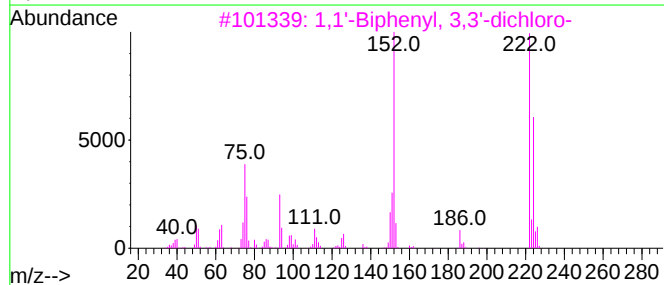
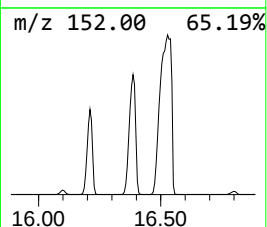
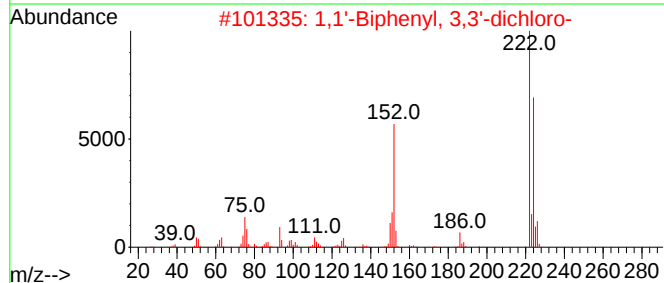
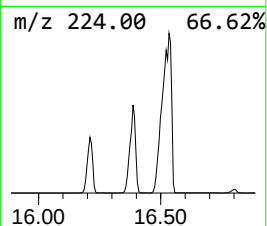
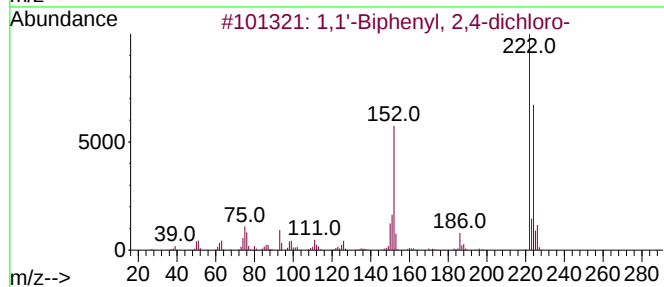
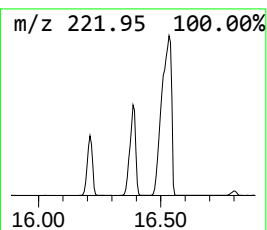
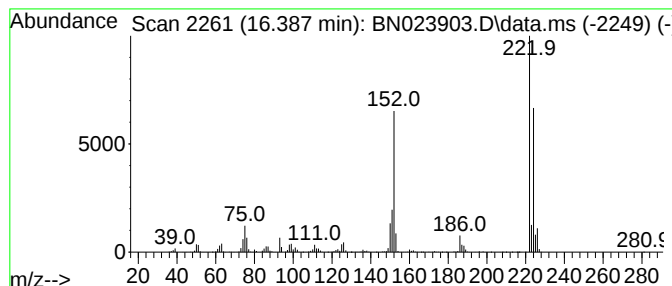
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Quant Title : SVOA CALIBRATION

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

Peak Number 10 1,1'-Biphenyl, 2,4-dichloro- Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.387	38.50 ng/ul	32249300	Phenanthrene-d10	17.316

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,1'-Biphenyl, 2,4-dichloro-	222	C12H8Cl2	033284-50-3	98		
2	1,1'-Biphenyl, 3,3'-dichloro-	222	C12H8Cl2	002050-67-1	98		
3	1,1'-Biphenyl, 3,3'-dichloro-	222	C12H8Cl2	002050-67-1	97		
4	1,1'-Biphenyl, 2,4-dichloro-	222	C12H8Cl2	033284-50-3	97		
5	1,1'-Biphenyl, 2,4'-dichloro-	222	C12H8Cl2	034883-43-7	97		



Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN020223\
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Acq On : 02 Feb 2023 13:59
Operator : CG/JU
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Misc :
ALS Vial : 9 Sample Multiplier: 1

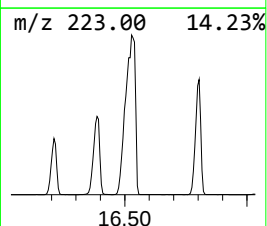
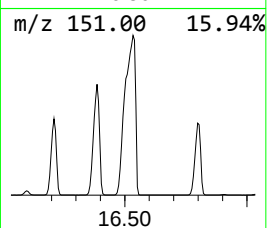
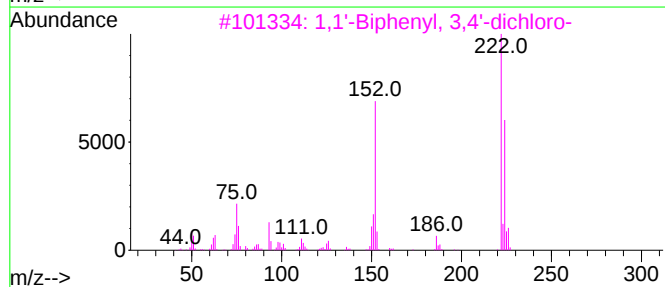
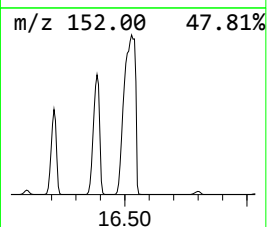
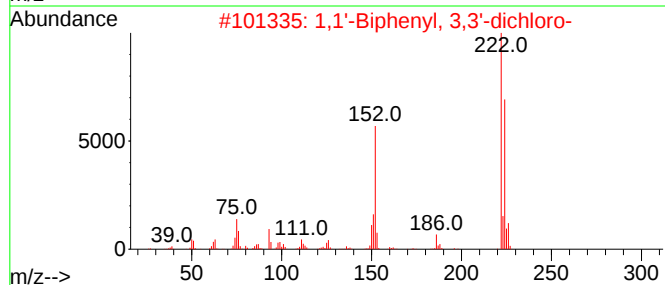
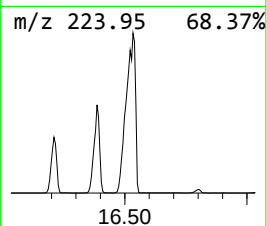
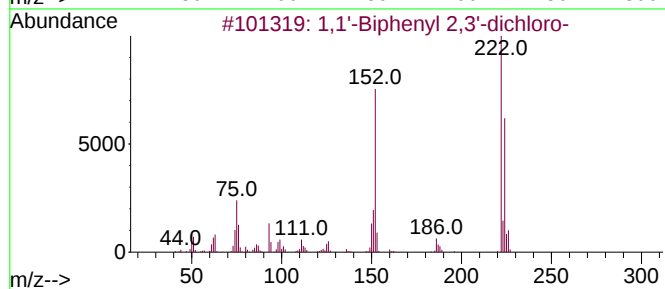
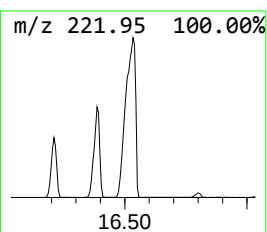
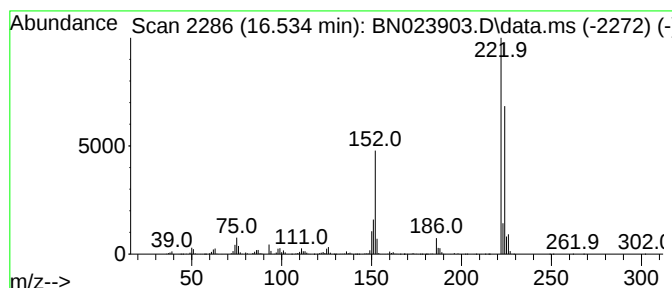
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Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\SFAM-EPA-BN020123.M
Quant Title : SVOA CALIBRATION

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

Peak Number 11 1,1'-Biphenyl, 3,3'-dichloro- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.		
16.534	102.96 ng/ul	86242700	Phenanthrene-d10	17.316		
Hit#	of 5	Tentative ID	MW	MolForm	CAS#	Qual
1		1,1'-Biphenyl 2,3'-dichloro-	222	C12H8Cl2	025569-80-6	97
2		1,1'-Biphenyl, 3,3'-dichloro-	222	C12H8Cl2	002050-67-1	97
3		1,1'-Biphenyl, 3,4'-dichloro-	222	C12H8Cl2	002974-90-5	97
4		1,1'-Biphenyl, 4,4'-dichloro-	222	C12H8Cl2	002050-68-2	97
5		1,1'-Biphenyl, 2,3-dichloro-	222	C12H8Cl2	016605-91-7	97



Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN020223\
Data File : BN023903.D
Acq On : 02 Feb 2023 13:59
Operator : CG/JU
Sample : 01362-04
Misc :
ALS Vial : 9 Sample Multiplier: 1

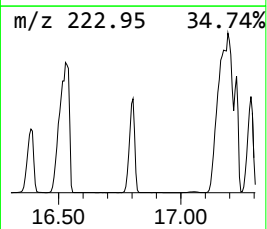
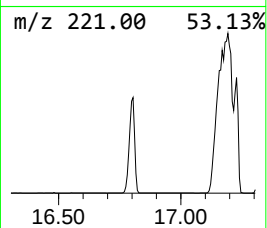
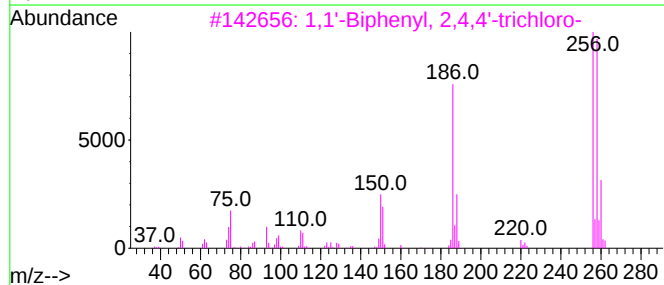
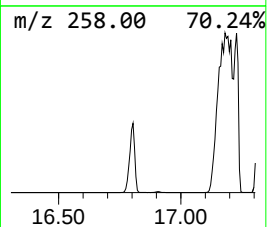
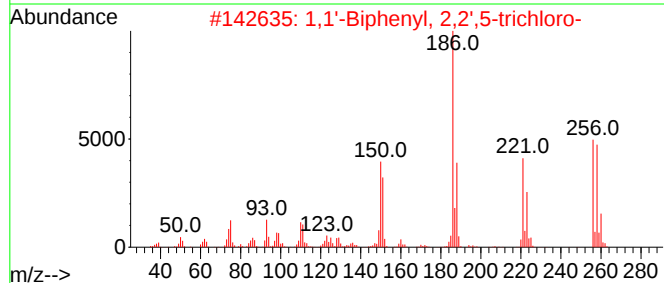
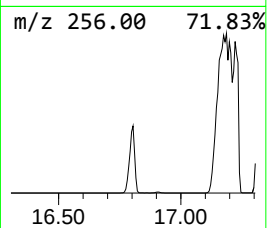
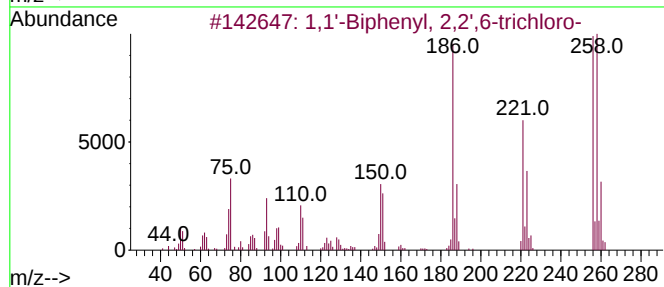
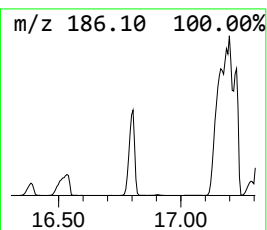
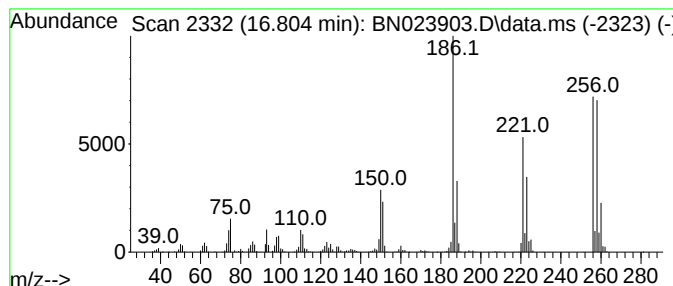
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Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\SFAM-EPA-BN020123.M
Quant Title : SVOA CALIBRATION

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

Peak Number 12 1,1'-Biphenyl, 2,2',6-trich... Concentration Rank 25

R.T.	EstConc	Area	Relative to ISTD	R.T.	
16.804	29.85 ng/ul	25002200	Phenanthrene-d10	17.316	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,1'-Biphenyl, 2,2',6-trichloro-	256	C12H7Cl3	038444-73-4	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',5-trichloro-	256	C12H7Cl3	037680-65-2	99
5	1,1'-Biphenyl, 2,3,3'-trichloro-	256	C12H7Cl3	038444-84-7	98



Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN020223\
Data File : BN023903.D
Acq On : 02 Feb 2023 13:59
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Sample : 01362-04
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
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ClientSampleId :
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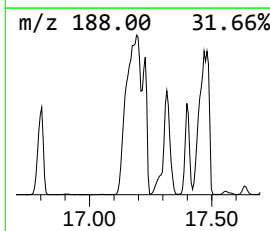
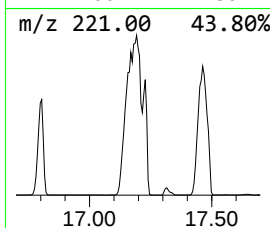
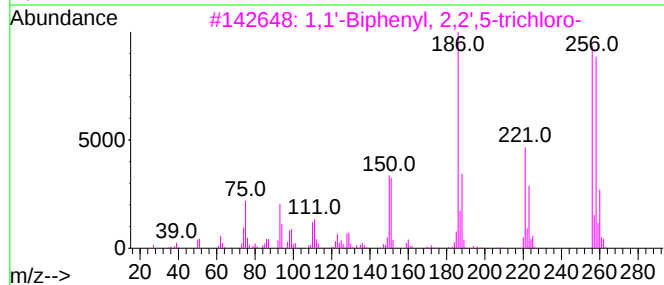
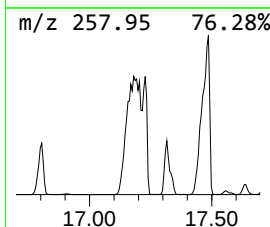
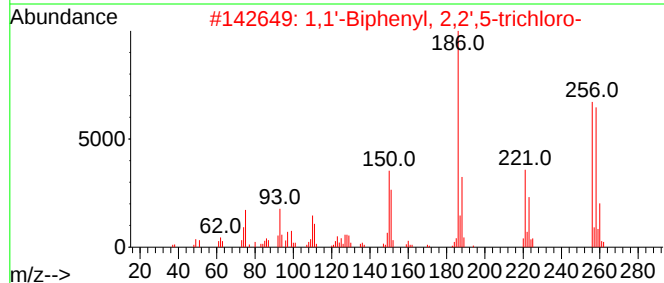
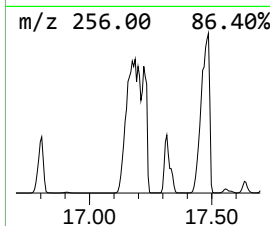
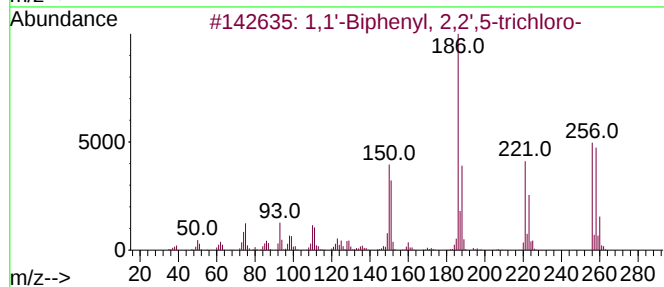
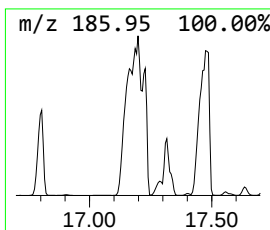
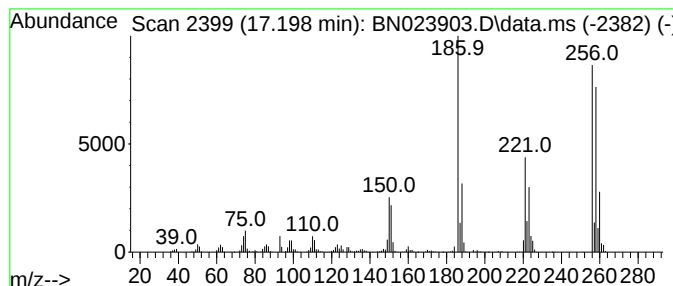
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Quant Title : SVOA CALIBRATION

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

Peak Number 13 1,1'-Biphenyl, 2,2',5-trich... Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.198	152.08 ng/ul	127387000	Phenanthrene-d10	17.316

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',5-trichloro-	256	C12H7Cl3	037680-65-2	99	
4	1,1'-Biphenyl, 2,2',5-trichloro-	256	C12H7Cl3	037680-65-2	99	
5	1,1'-Biphenyl, 2,4,4'-trichloro-	256	C12H7Cl3	007012-37-5	99	



Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN020223\
Data File : BN023903.D
Acq On : 02 Feb 2023 13:59
Operator : CG/JU
Sample : 01362-04
Misc :
ALS Vial : 9 Sample Multiplier: 1

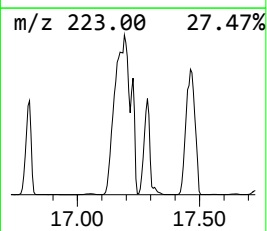
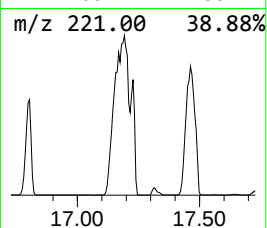
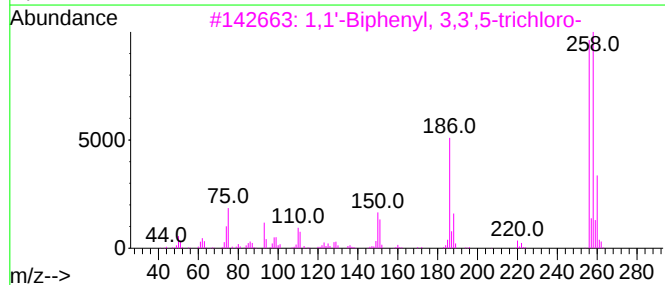
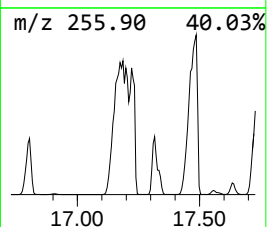
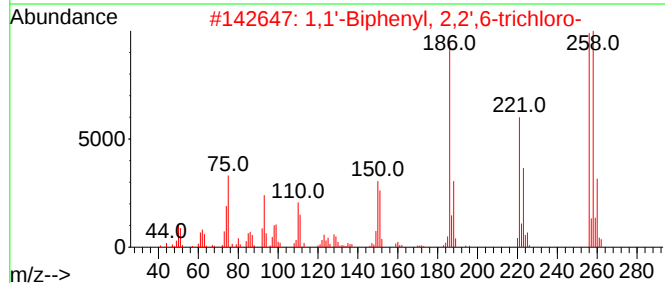
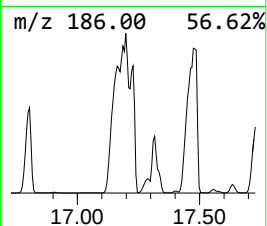
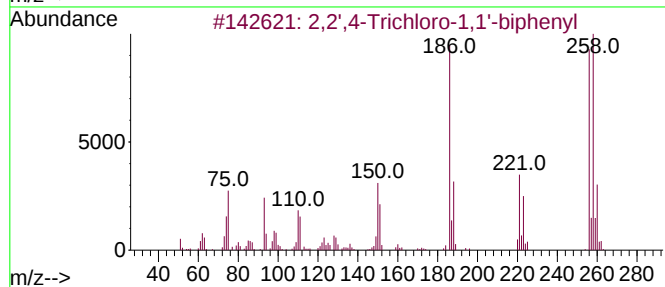
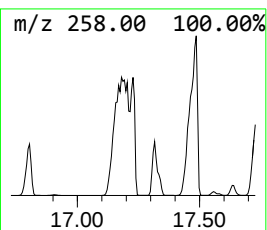
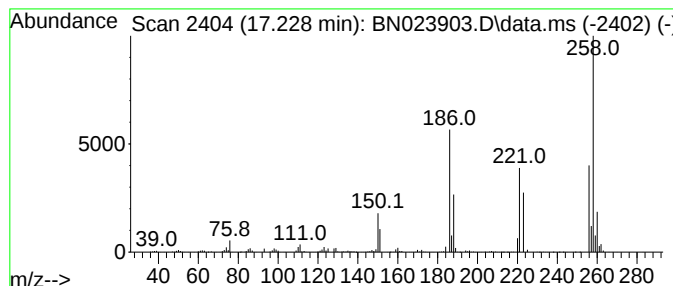
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ClientSampleId :
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Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\SFAM-EPA-BN020123.M
Quant Title : SVOA CALIBRATION

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

Peak Number 14 2,2',4-Trichloro-1,1'-biphenyl Concentration Rank 23

R.T.	EstConc	Area	Relative to ISTD	R.T.	
17.228	31.21 ng/ul	26145100	Phenanthrene-d10	17.316	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2,2',4-Trichloro-1,1'-biphenyl	256	C12H7Cl3	037680-66-3	50
2	1,1'-Biphenyl, 2,2',6-trichloro-	256	C12H7Cl3	038444-73-4	50
3	1,1'-Biphenyl, 3,3',5-trichloro-	256	C12H7Cl3	038444-87-0	49
4	1,1'-Biphenyl, 2,3,6-trichloro-	256	C12H7Cl3	055702-45-9	47
5	1,1'-Biphenyl, 2,2',5-trichloro-	256	C12H7Cl3	037680-65-2	47



Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN020223\
Data File : BN023903.D
Acq On : 02 Feb 2023 13:59
Operator : CG/JU
Sample : 01362-04
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
A4442

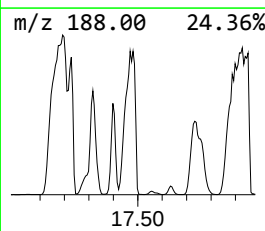
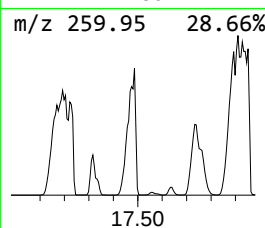
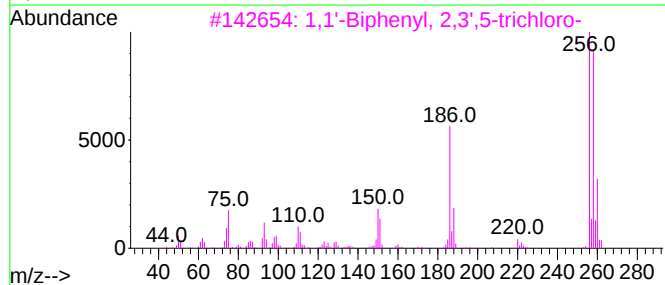
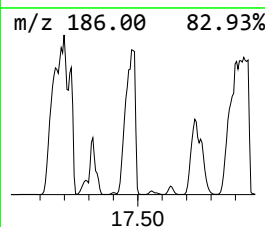
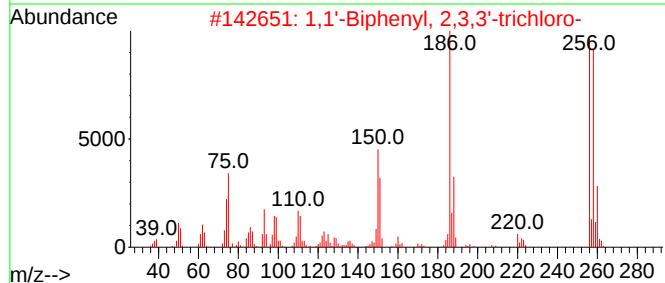
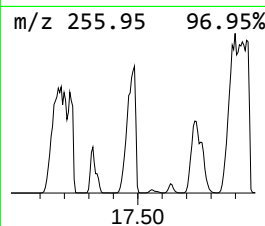
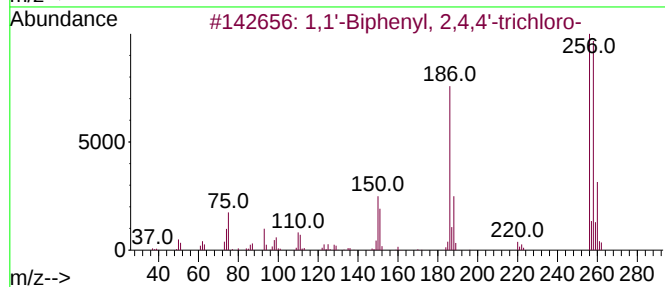
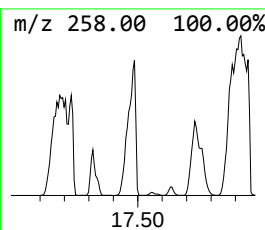
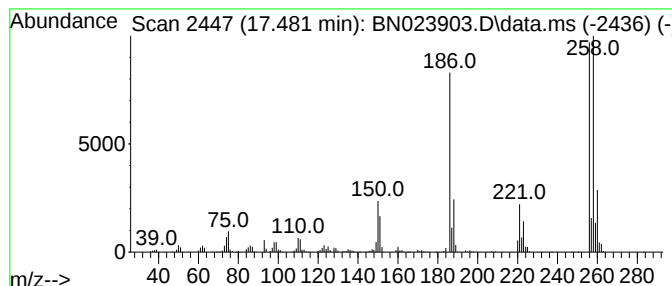
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Quant Title : SVOA CALIBRATION

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

Peak Number 15 1,1'-Biphenyl, 2,4,4'-trich... Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.481	95.32 ng/ul	79845500	Phenanthrene-d10	17.316

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, 2,3',5-trichloro-	256	C12H7Cl3	038444-81-4	98		
4	1,1'-Biphenyl, 3,3',5-trichloro-	256	C12H7Cl3	038444-87-0	98		
5	1,1'-Biphenyl, 3,4',5-trichloro-	256	C12H7Cl3	038444-88-1	98		



Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN020223\
Data File : BN023903.D
Acq On : 02 Feb 2023 13:59
Operator : CG/JU
Sample : 01362-04
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
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ClientSampleId :
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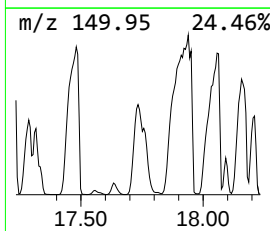
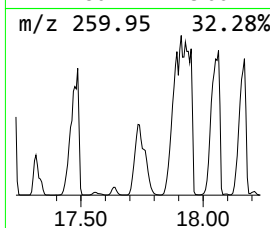
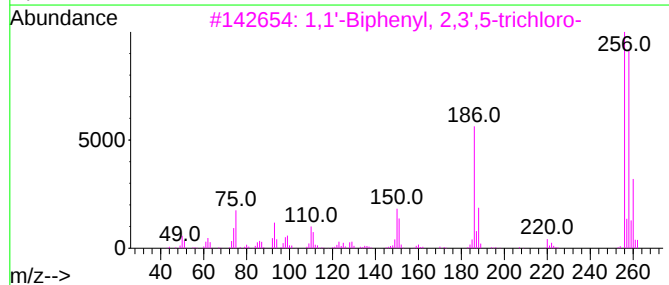
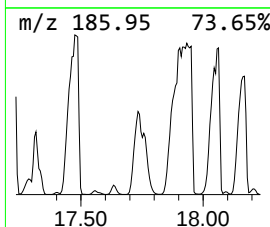
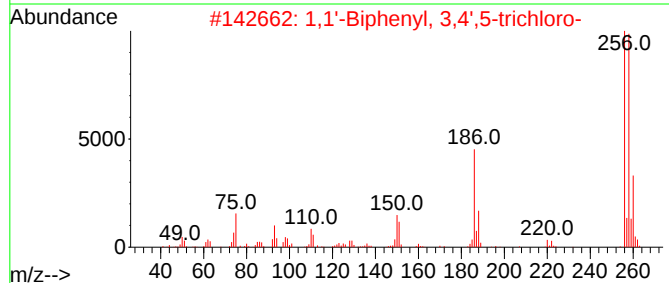
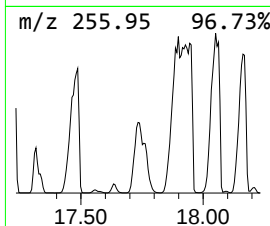
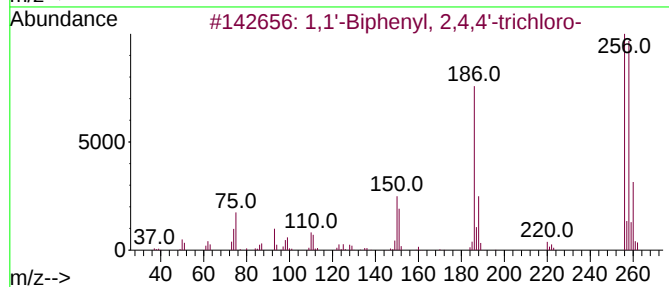
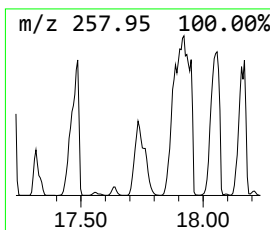
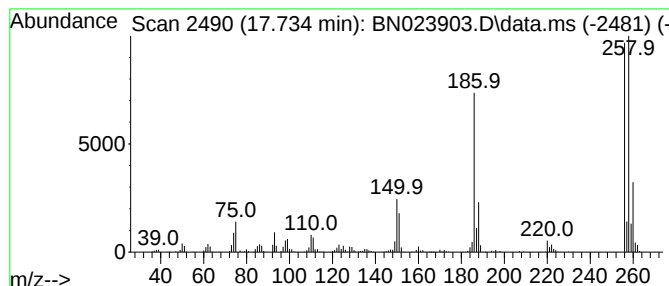
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Quant Title : SVOA CALIBRATION

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

Peak Number 17 1,1'-Biphenyl, 3,4',5-trich... Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.734	42.19 ng/ul	35338400	Phenanthrene-d10	17.316

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, 3,4',5-trichloro-		256	C12H7Cl3	038444-88-1	99	
3	1,1'-Biphenyl, 2,3',5-trichloro-		256	C12H7Cl3	038444-81-4	99	
4	1,1'-Biphenyl, 2,3,3'-trichloro-		256	C12H7Cl3	038444-84-7	99	
5	1,1'-Biphenyl, 2',3,5-trichloro-		256	C12H7Cl3	037680-68-5	99	



Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN020223\
Data File : BN023903.D
Acq On : 02 Feb 2023 13:59
Operator : CG/JU
Sample : 01362-04
Misc :
ALS Vial : 9 Sample Multiplier: 1

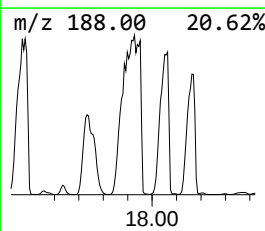
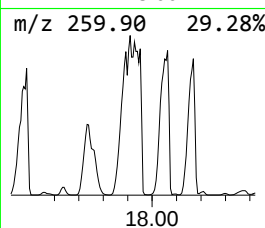
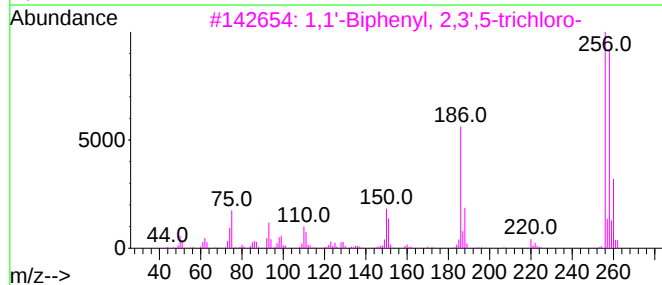
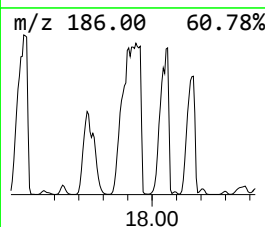
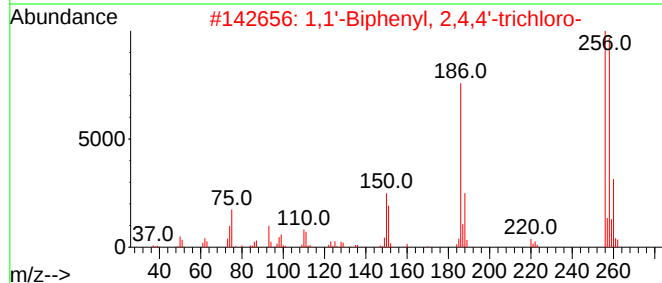
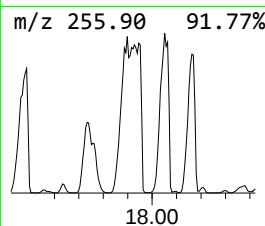
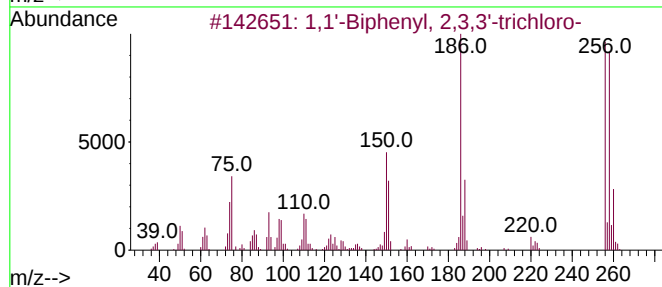
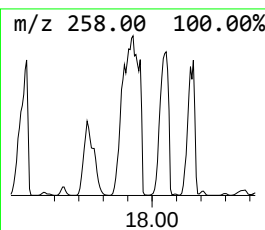
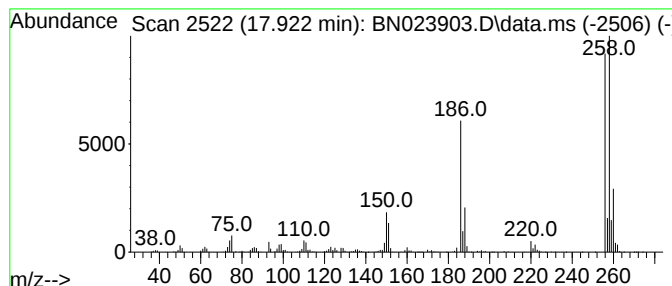
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Quant Title : SVOA CALIBRATION

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

Peak Number 18 1,1'-Biphenyl, 2,3,3'-trich... Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD			R.T.
17.922	169.80 ng/ul	142227000	Phenanthrene-d10			17.316
Hit# of 5	Tentative ID		MW	MolForm	CAS#	Qual
1	1,1'-Biphenyl, 2,3,3'-trichloro-		256	C12H7Cl3	038444-84-7	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, 3,3',5-trichloro-		256	C12H7Cl3	038444-87-0	98
5	1,1'-Biphenyl, 2',3,4-trichloro-		256	C12H7Cl3	038444-86-9	98



Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN020223\
Data File : BN023903.D
Acq On : 02 Feb 2023 13:59
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Sample : 01362-04
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
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ClientSampleId :
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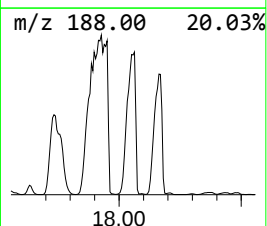
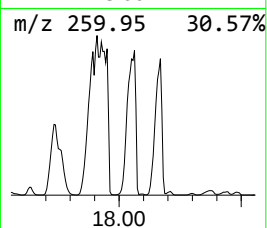
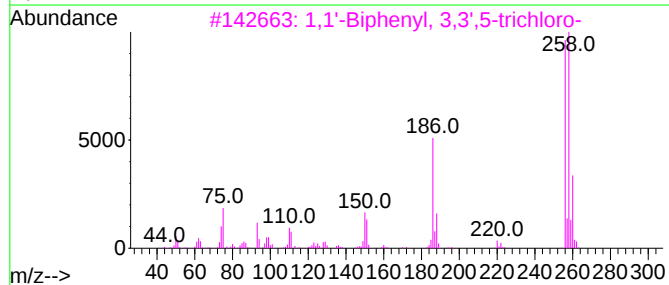
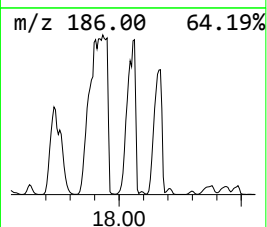
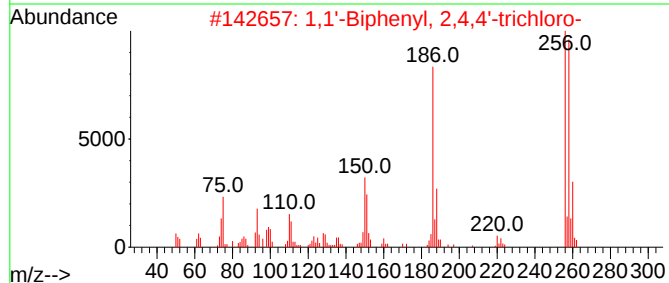
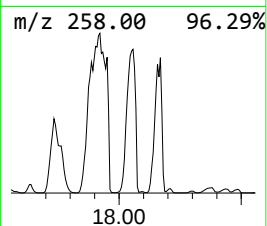
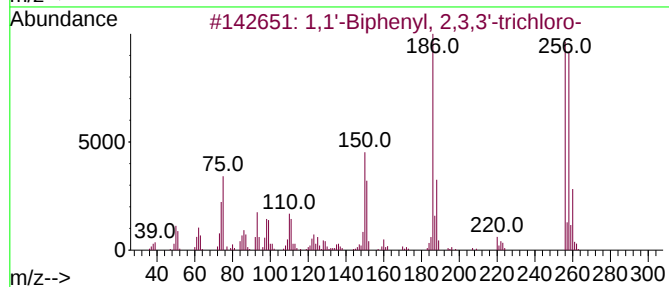
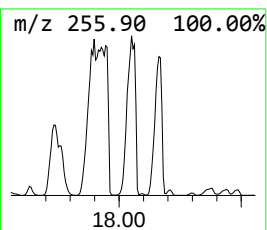
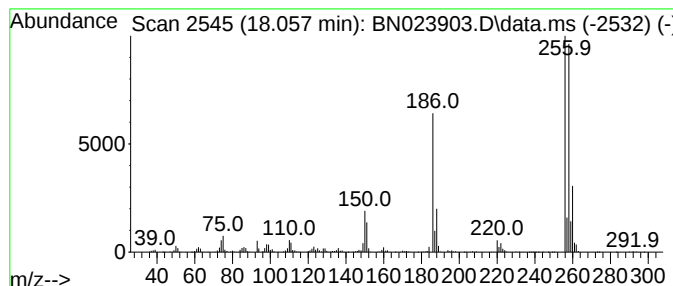
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Quant Title : SVOA CALIBRATION

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

Peak Number 19 1,1'-Biphenyl, 3,3',5-trich... Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.057	109.43 ng/ul	91665300	Phenanthrene-d10	17.316

Hit#	of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,1'-Biphenyl, 2,3,3'-trichloro-	256	C12H7Cl3	038444-84-7	99	
2	1,1'-Biphenyl, 2,4,4'-trichloro-	256	C12H7Cl3	007012-37-5	99	
3	1,1'-Biphenyl, 3,3',5-trichloro-	256	C12H7Cl3	038444-87-0	98	
4	1,1'-Biphenyl, 2,3',5-trichloro-	256	C12H7Cl3	038444-81-4	98	
5	1,1'-Biphenyl, 2,3,4'-Trichloro-	256	C12H7Cl3	038444-85-8	98	



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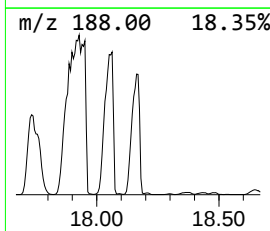
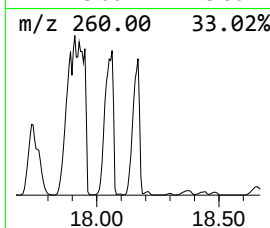
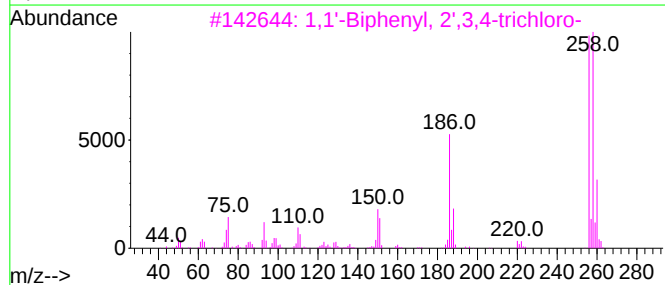
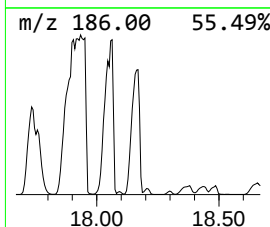
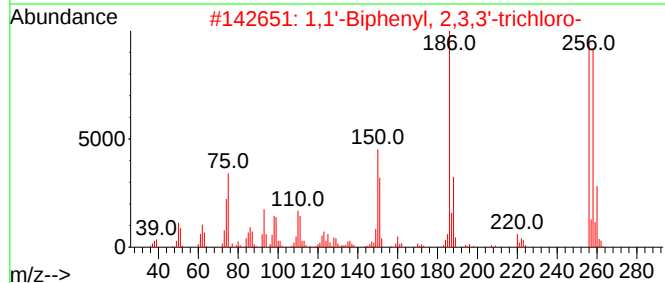
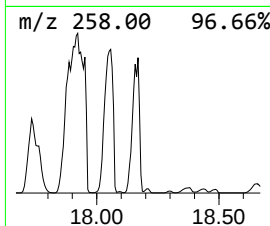
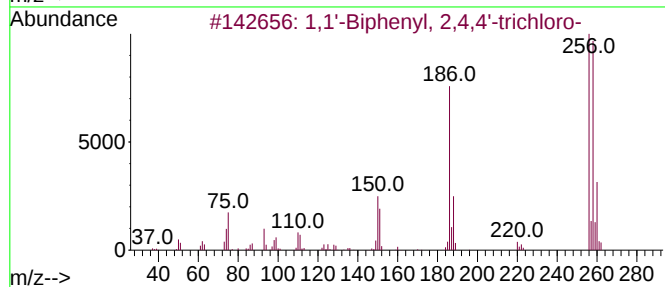
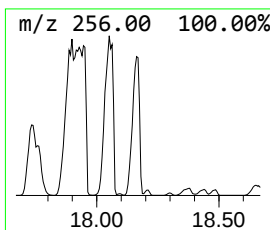
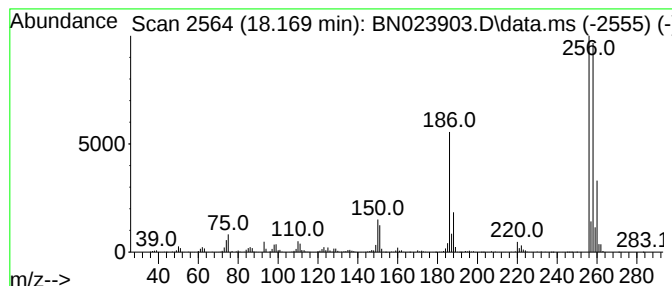
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ClientSampleId :
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Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\SFAM-EPA-BN020123.M
Quant Title : SVOA CALIBRATION

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

Peak Number 21 1,1'-Biphenyl, 2',3,4-trich... Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.		
18.169	67.47 ng/ul	56515000	Phenanthrene-d10	17.316		
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',3,4-trichloro-	256	C12H7Cl3	038444-86-9	99	
4	1,1'-Biphenyl, 2,3',5-trichloro-	256	C12H7Cl3	038444-81-4	99	
5	1,1'-Biphenyl, 3,3',5-trichloro-	256	C12H7Cl3	038444-87-0	99	



Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN020223\
Data File : BN023903.D
Acq On : 02 Feb 2023 13:59
Operator : CG/JU
Sample : 01362-04
Misc :
ALS Vial : 9 Sample Multiplier: 1

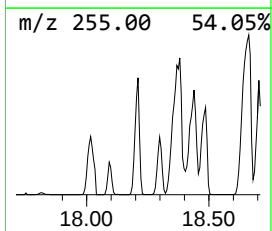
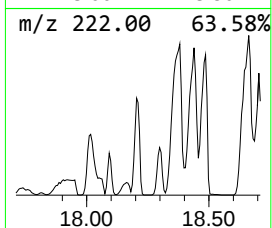
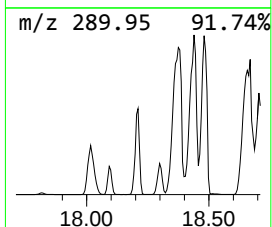
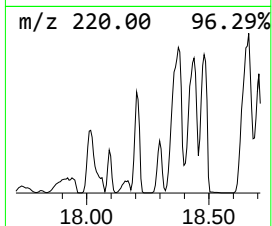
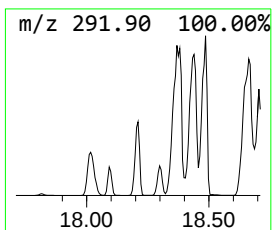
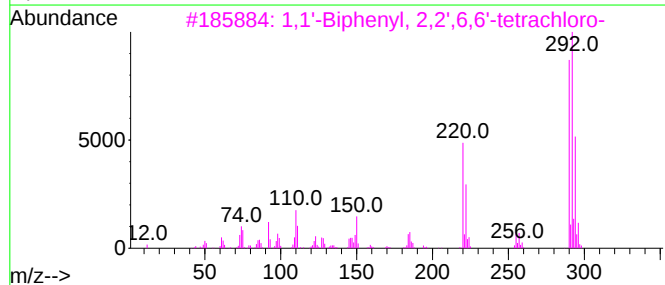
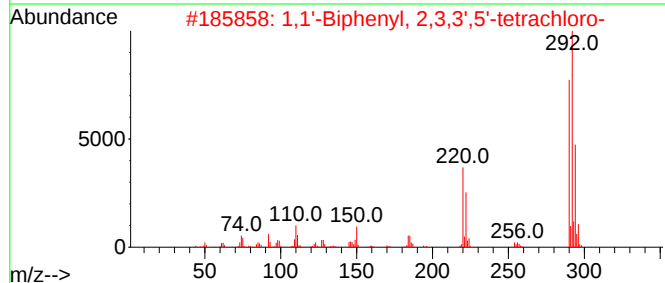
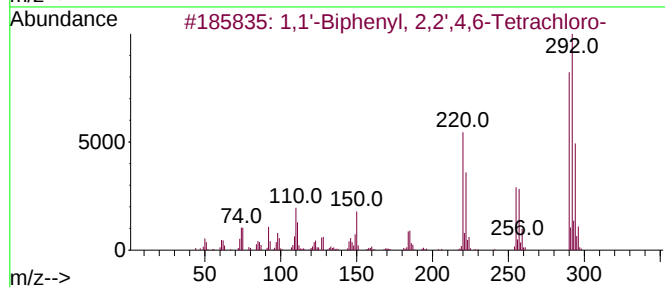
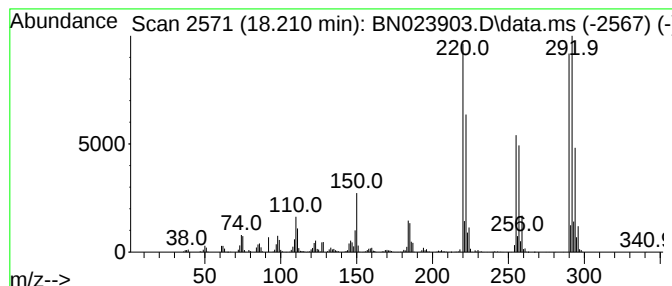
Instrument :
BNA_N
ClientSampleId :
A4442

Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\SFAM-EPA-BN020123.M
Quant Title : SVOA CALIBRATION

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

Peak Number 22 1,1'-Biphenyl, 2,2',4,6-Tet... Concentration Rank 24

R.T.	EstConc	Area	Relative to ISTD	R.T.		
18.210	29.91 ng/ul	25056100	Phenanthrene-d10	17.316		
Hit#	of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,1'-Biphenyl, 2,2',4,6-Tetrachl...	290	C12H6Cl4	062796-65-0	99	
2	1,1'-Biphenyl, 2,3,3',5'-tetrach...	290	C12H6Cl4	041464-49-7	99	
3	1,1'-Biphenyl, 2,2',6,6'-tetrach...	290	C12H6Cl4	015968-05-5	99	
4	Biphenyl, 2,4,4',5-tetrachloro-	290	C12H6Cl4	032690-93-0	99	
5	1,1'-Biphenyl, 2,2',6,6'-tetrach...	290	C12H6Cl4	015968-05-5	99	



Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN020223\
Data File : BN023903.D
Acq On : 02 Feb 2023 13:59
Operator : CG/JU
Sample : 01362-04
Misc :
ALS Vial : 9 Sample Multiplier: 1

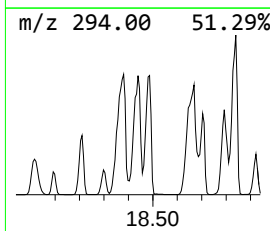
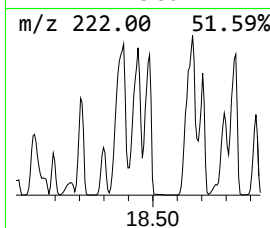
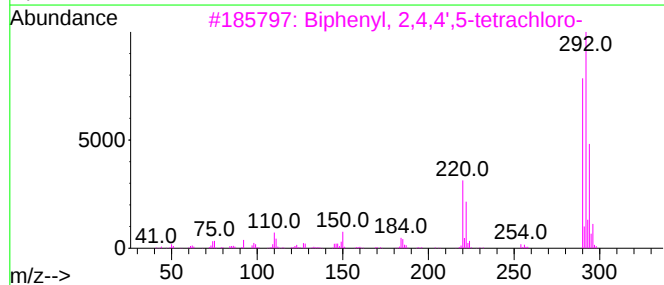
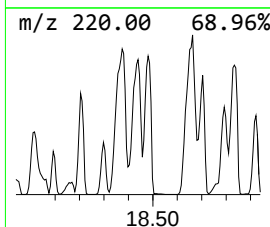
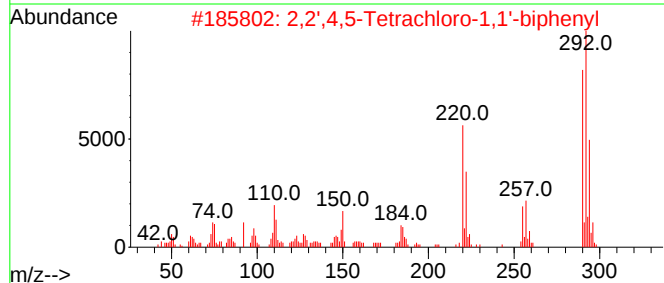
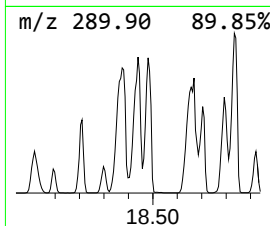
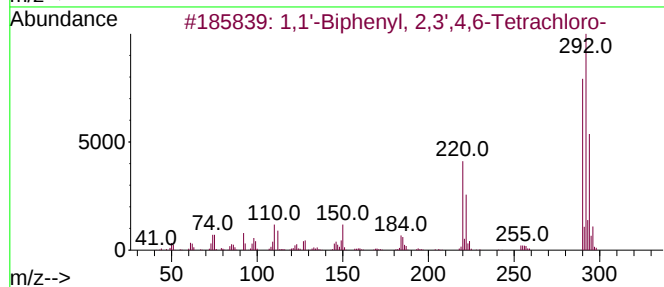
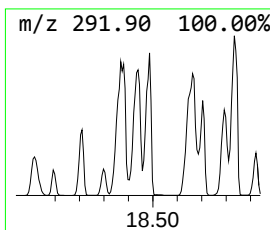
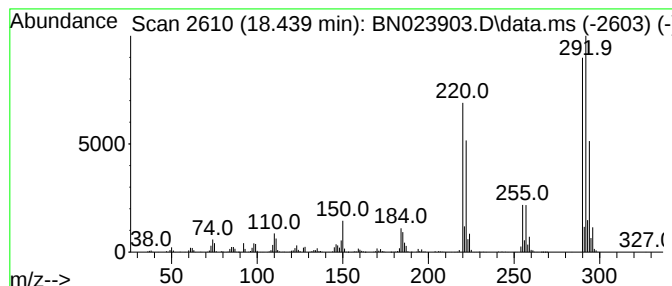
Instrument :
BNA_N
ClientSampleId :
A4442

Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\SFAM-EPA-BN020123.M
Quant Title : SVOA CALIBRATION

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

Peak Number 25 1,1'-Biphenyl, 2,3',4,6-Tet... Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD		R.T.	
18.439	68.48 ng/ul	57363600	Phenanthrene-d10		17.316	
Hit#	of 5	Tentative ID	MW	MolForm	CAS#	Qual
1		1,1'-Biphenyl, 2,3',4,6-Tetrachl...	290	C12H6Cl4	060233-24-1	99
2		2,2',4,5-Tetrachloro-1,1'-biphenyl	290	C12H6Cl4	070362-47-9	99
3		Biphenyl, 2,4,4',5-tetrachloro-	290	C12H6Cl4	032690-93-0	99
4		1,1'-Biphenyl, 2,2',3,5'-tetrach...	290	C12H6Cl4	041464-39-5	99
5		2,3',4,5-Tetrachloro-1,1'-biphenyl	290	C12H6Cl4	073575-53-8	99



Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN020223\
Data File : BN023903.D
Acq On : 02 Feb 2023 13:59
Operator : CG/JU
Sample : 01362-04
Misc :
ALS Vial : 9 Sample Multiplier: 1

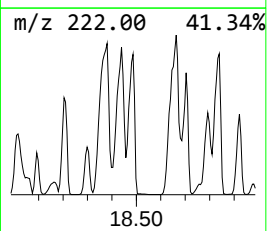
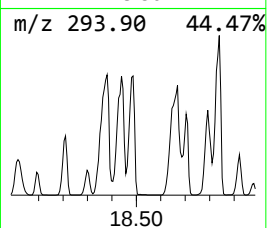
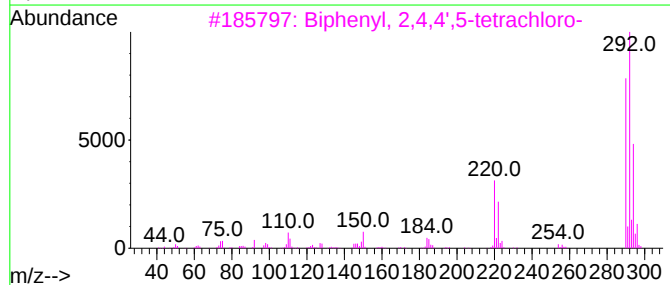
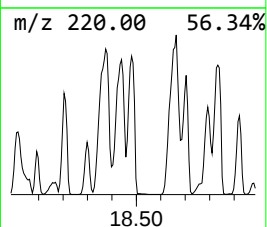
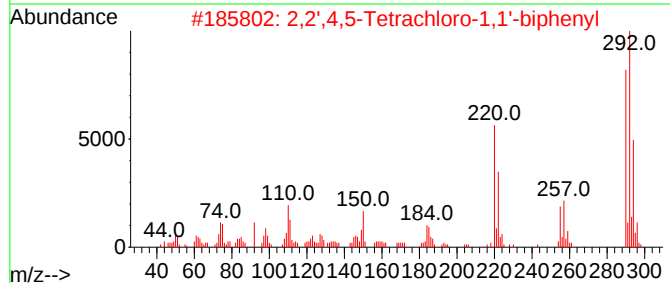
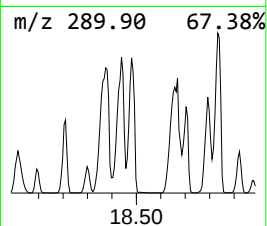
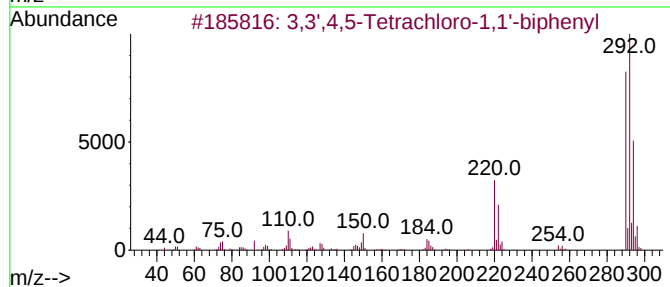
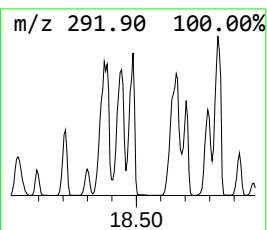
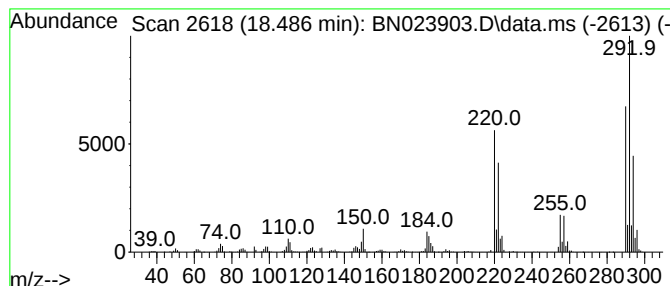
Instrument :
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ClientSampleId :
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Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\SFAM-EPA-BN020123.M
Quant Title : SVOA CALIBRATION

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

Peak Number 26 3,3',4,5-Tetrachloro-1,1'-b... Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD			R.T.
18.486	51.41 ng/ul	43062900	Phenanthrene-d10			17.316
Hit# of 5	Tentative ID		MW	MolForm	CAS#	Qual
1	3,3',4,5-Tetrachloro-1,1'-biphenyl		290	C12H6Cl4	070362-49-1	99
2	2,2',4,5-Tetrachloro-1,1'-biphenyl		290	C12H6Cl4	070362-47-9	99
3	Biphenyl, 2,4,4',5-tetrachloro-		290	C12H6Cl4	032690-93-0	99
4	1,1'-Biphenyl, 2,2',6,6'-tetrach...		290	C12H6Cl4	015968-05-5	99
5	1,1'-Biphenyl, 2,2',4,4'-tetrach...		290	C12H6Cl4	002437-79-8	99



Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN020223\
Data File : BN023903.D
Acq On : 02 Feb 2023 13:59
Operator : CG/JU
Sample : 01362-04
Misc :
ALS Vial : 9 Sample Multiplier: 1

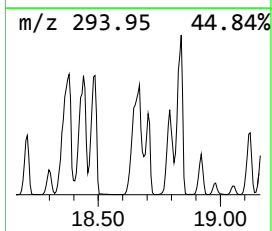
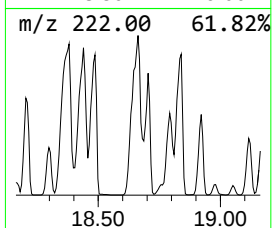
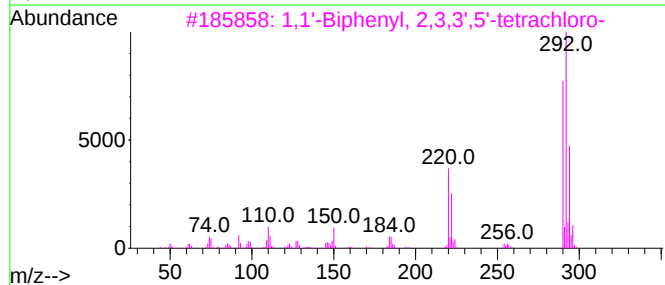
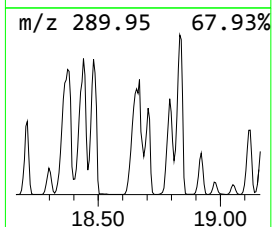
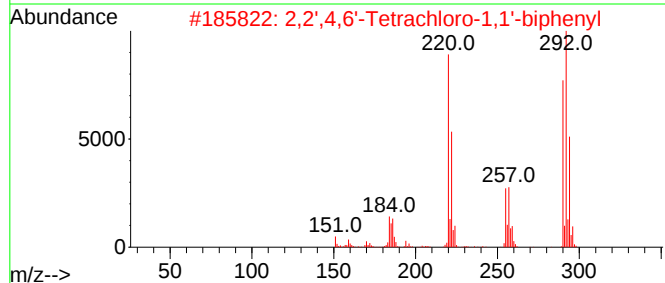
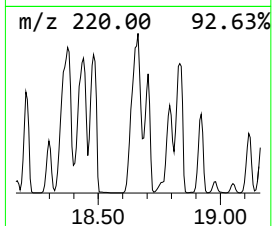
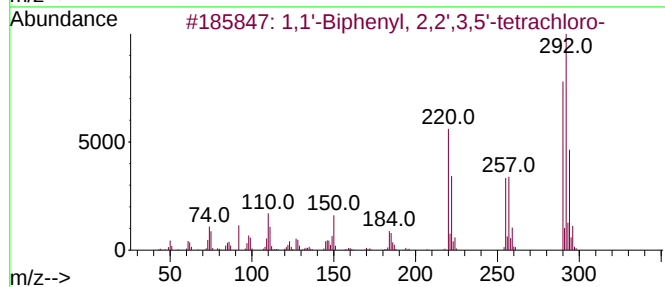
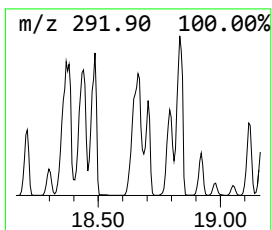
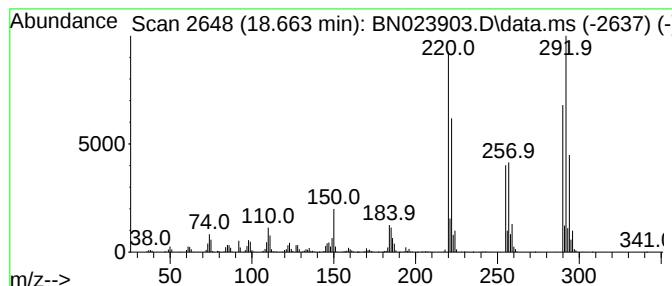
Instrument :
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ClientSampleId :
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Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\SFAM-EPA-BN020123.M
Quant Title : SVOA CALIBRATION

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

Peak Number 27 1,1'-Biphenyl, 2,2',3,5'-te... Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.	
18.663	93.11 ng/ul	77996200	Phenanthrene-d10	17.316	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,1'-Biphenyl, 2,2',3,5'-tetrach...	290	C12H6Cl4	041464-39-5	99
2	2,2',4,6'-Tetrachloro-1,1'-biphenyl	290	C12H6Cl4	068194-04-7	99
3	1,1'-Biphenyl, 2,3,3',5'-tetrach...	290	C12H6Cl4	041464-49-7	99
4	2,3,3',6-Tetrachloro-1,1'-biphenyl	290	C12H6Cl4	074472-33-6	99
5	2,2',4,5-Tetrachloro-1,1'-biphenyl	290	C12H6Cl4	070362-47-9	99



Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN020223\
Data File : BN023903.D
Acq On : 02 Feb 2023 13:59
Operator : CG/JU
Sample : 01362-04
Misc :
ALS Vial : 9 Sample Multiplier: 1

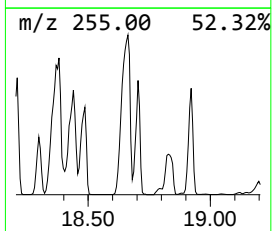
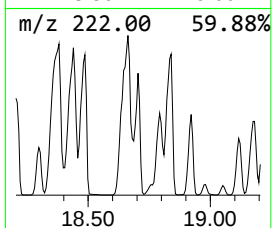
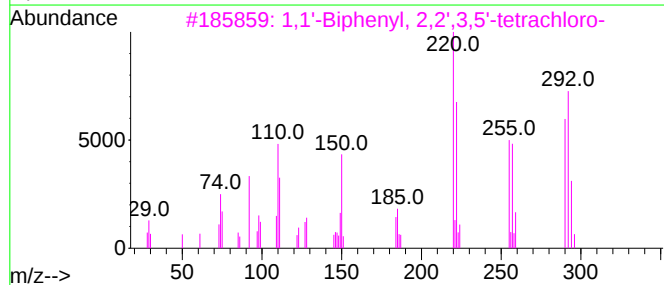
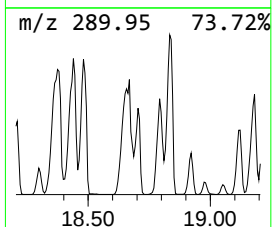
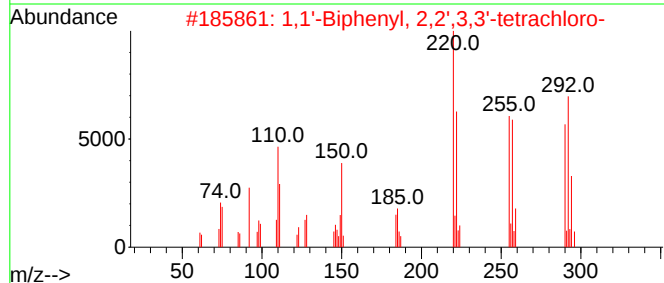
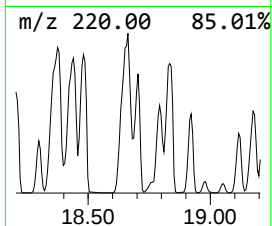
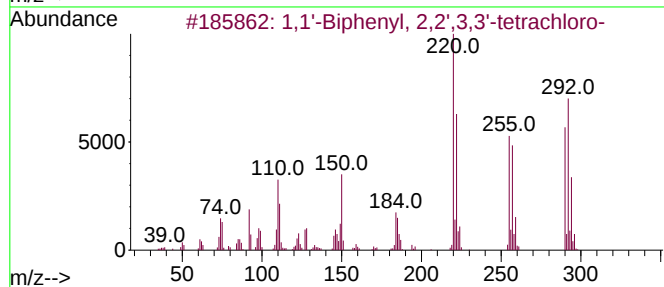
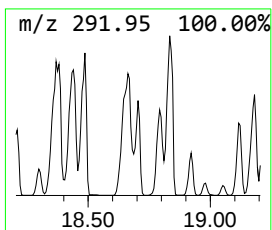
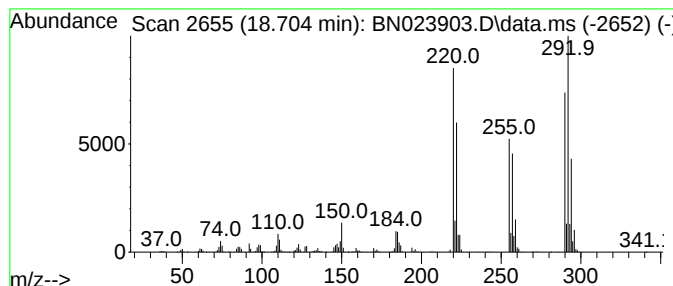
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Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\SFAM-EPA-BN020123.M
Quant Title : SVOA CALIBRATION

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

Peak Number 28 1,1'-Biphenyl, 2,2',3,3'-te... Concentration Rank 21

R.T.	EstConc	Area	Relative to ISTD	R.T.		
18.704	32.96 ng/ul	27607300	Phenanthrene-d10	17.316		
Hit#	of 5	Tentative ID	MW	MolForm	CAS#	Qual
1		1,1'-Biphenyl, 2,2',3,3'-tetrachloro-	290	C12H6Cl4	038444-93-8	99
2		1,1'-Biphenyl, 2,2',3,3'-tetrachloro-	290	C12H6Cl4	038444-93-8	99
3		1,1'-Biphenyl, 2,2',3,5'-tetrachloro-	290	C12H6Cl4	041464-39-5	99
4		1,1'-Biphenyl, 2,2',3,4'-tetrachloro-	290	C12H6Cl4	036559-22-5	99
5		Biphenyl, 2,4,4',5-tetrachloro-	290	C12H6Cl4	032690-93-0	99



Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN020223\
Data File : BN023903.D
Acq On : 02 Feb 2023 13:59
Operator : CG/JU
Sample : 01362-04
Misc :
ALS Vial : 9 Sample Multiplier: 1

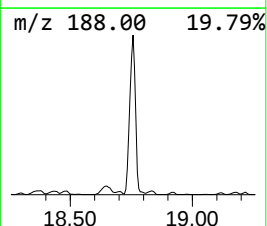
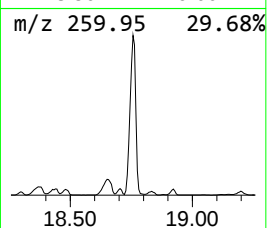
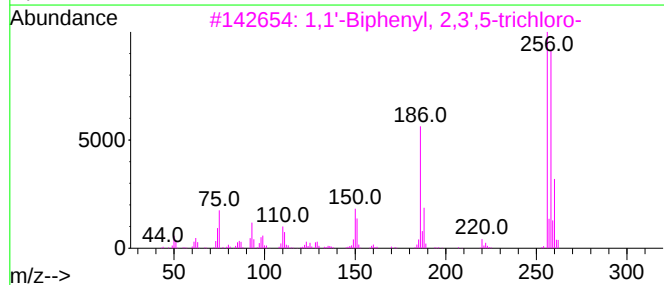
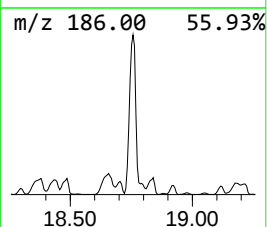
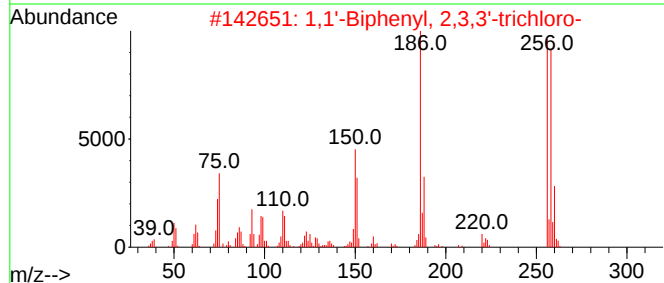
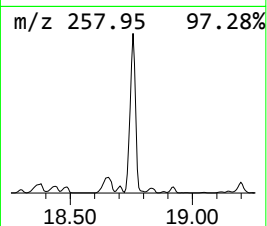
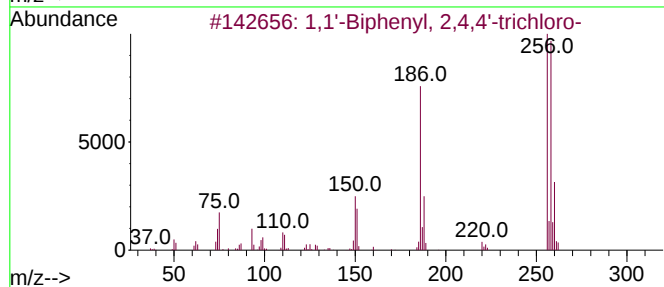
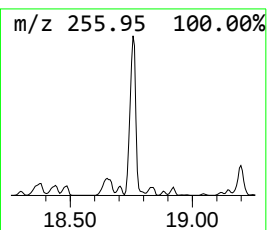
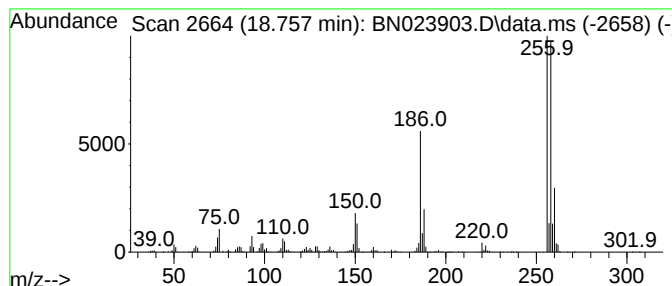
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Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\SFAM-EPA-BN020123.M
Quant Title : SVOA CALIBRATION

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

Peak Number 29 1,1'-Biphenyl, 2,3',5-trich... Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD		R.T.	
18.757	41.32 ng/ul	34615100	Phenanthrene-d10		17.316	
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, 2,3',5-trichloro-		256	C12H7Cl3	038444-81-4	99
4	1,1'-Biphenyl, 2,3',5-trichloro-		256	C12H7Cl3	038444-81-4	99
5	1,1'-Biphenyl, 2,4',5-trichloro-		256	C12H7Cl3	016606-02-3	99



Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN020223\
Data File : BN023903.D
Acq On : 02 Feb 2023 13:59
Operator : CG/JU
Sample : 01362-04
Misc :
ALS Vial : 9 Sample Multiplier: 1

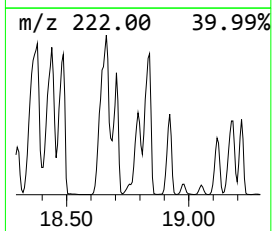
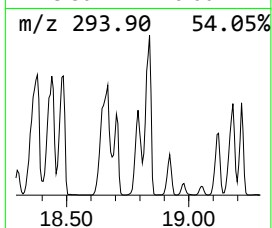
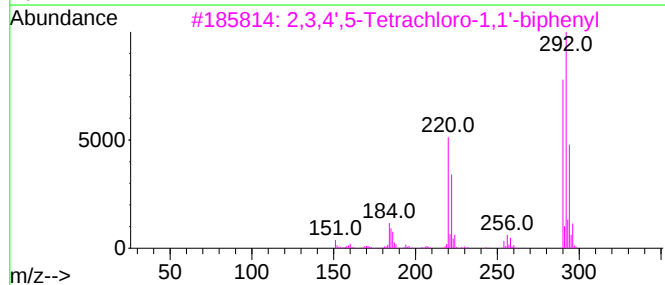
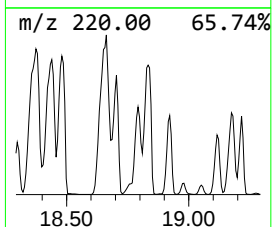
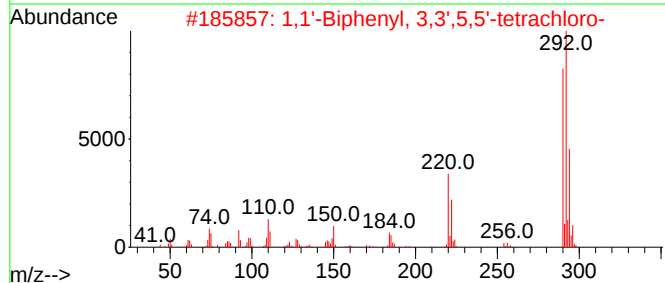
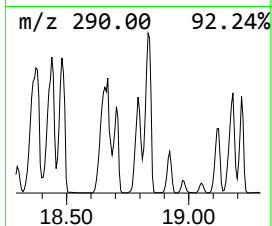
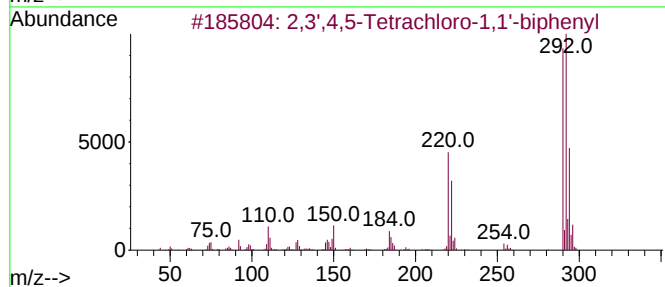
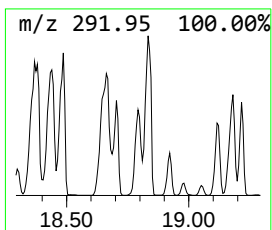
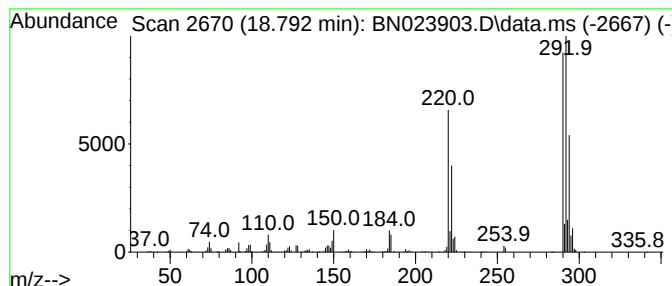
Instrument :
BNA_N
ClientSampleId :
A4442

Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\SFAM-EPA-BN020123.M
Quant Title : SVOA CALIBRATION

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

Peak Number 30 2,3',4,5-Tetrachloro-1,1'-b... Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.	
18.792	33.11 ng/ul	27731500	Phenanthrene-d10	17.316	
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	1,1'-Biphenyl, 3,3',5,5'-tetrach...	290	C12H6Cl4	033284-52-5	99
3	2,3,4',5-Tetrachloro-1,1'-biphenyl	290	C12H6Cl4	074472-34-7	99
4	Biphenyl, 2,4,4',5-tetrachloro-	290	C12H6Cl4	032690-93-0	99
5	2,3,3',4-Tetrachloro-1,1'-biphenyl	290	C12H6Cl4	074338-24-2	99



Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN020223\
Data File : BN023903.D
Acq On : 02 Feb 2023 13:59
Operator : CG/JU
Sample : 01362-04
Misc :
ALS Vial : 9 Sample Multiplier: 1

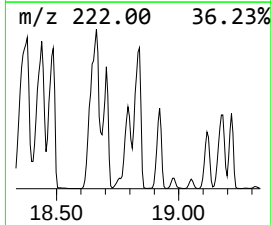
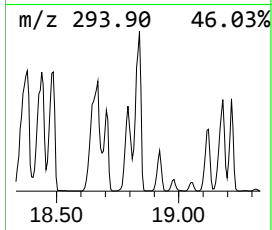
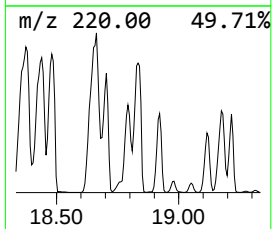
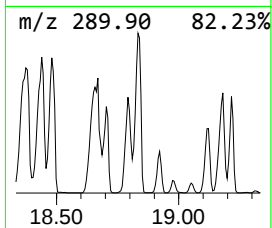
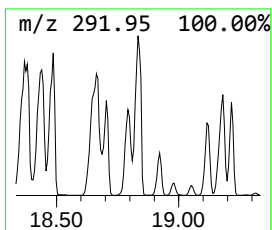
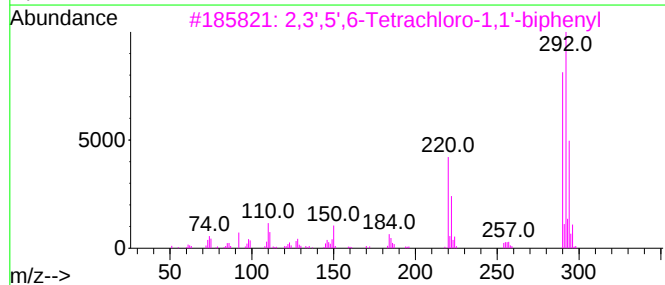
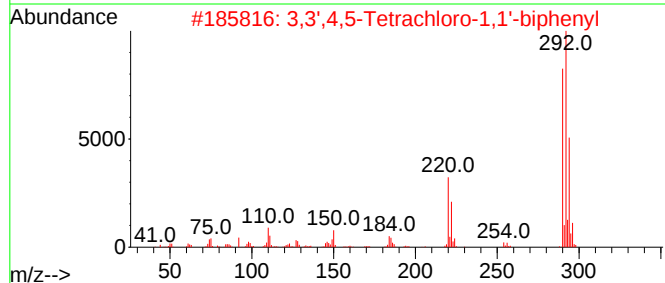
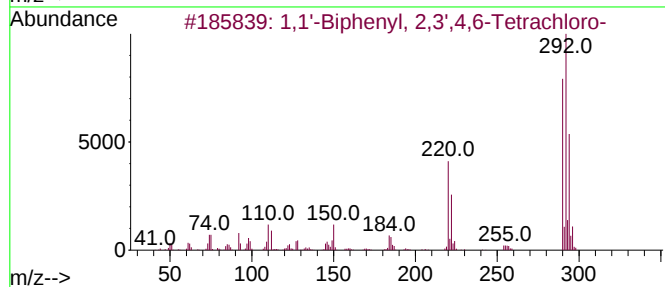
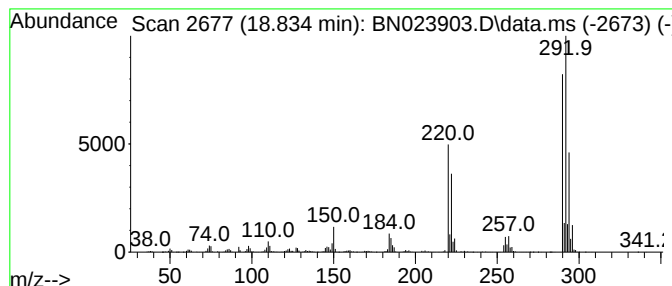
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Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\SFAM-EPA-BN020123.M
Quant Title : SVOA CALIBRATION

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

Peak Number 31 2,3',5',6-Tetrachloro-1,1'-... Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.	
18.834	55.84 ng/ul	46773500	Phenanthrene-d10	17.316	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,1'-Biphenyl, 2,3',4,6-Tetrachl...	290	C12H6Cl4	060233-24-1	99
2	3,3',4,5-Tetrachloro-1,1'-biphenyl	290	C12H6Cl4	070362-49-1	99
3	2,3',5',6-Tetrachloro-1,1'-biphenyl	290	C12H6Cl4	074338-23-1	99
4	Biphenyl, 2,4,4',5-tetrachloro-	290	C12H6Cl4	032690-93-0	99
5	1,1'-Biphenyl, 2,2',4,4'-tetrach...	290	C12H6Cl4	002437-79-8	99



Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN020223\
Data File : BN023903.D
Acq On : 02 Feb 2023 13:59
Operator : CG/JU
Sample : 01362-04
Misc :
ALS Vial : 9 Sample Multiplier: 1

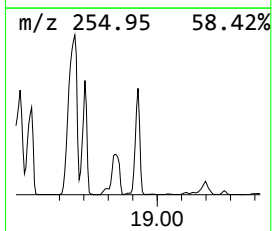
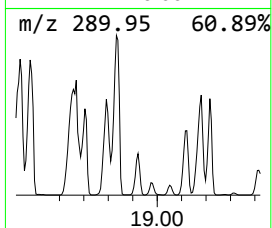
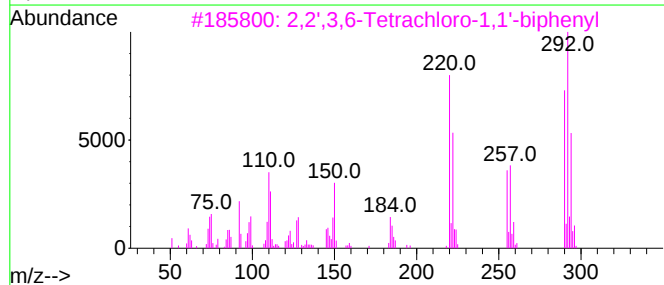
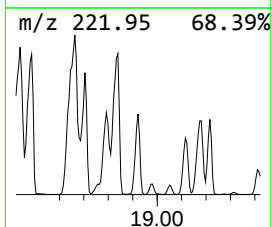
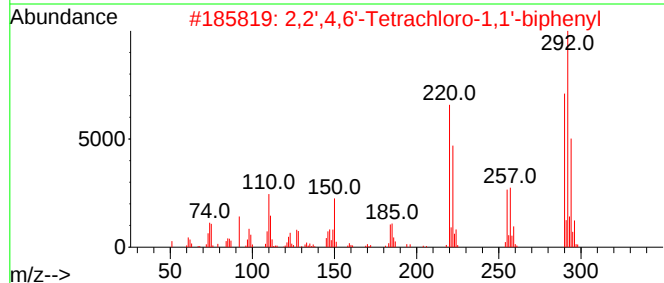
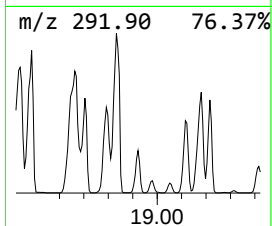
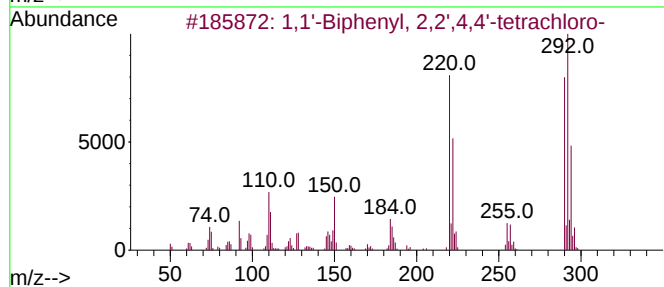
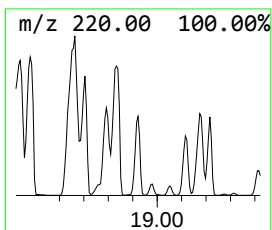
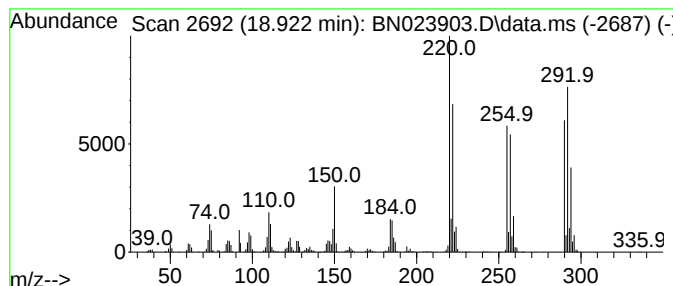
Instrument :
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ClientSampleId :
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Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\SFAM-EPA-BN020123.M
Quant Title : SVOA CALIBRATION

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

Peak Number 32 1,1'-Biphenyl, 2,2',4,4'-te... Concentration Rank 27

R.T.	EstConc	Area	Relative to ISTD	R.T.		
18.922	23.72 ng/ul	19870600	Phenanthrene-d10	17.316		
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		2,2',3,6-Tetrachloro-1,1'-biphenyl	290	C12H6Cl4	070362-45-7	99
4		1,1'-Biphenyl, 2,2',5,6'-Tetrach...	290	C12H6Cl4	041464-41-9	99
5		1,1'-Biphenyl, 2,2',3,5'-tetrach...	290	C12H6Cl4	041464-39-5	99



Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN020223\
Data File : BN023903.D
Acq On : 02 Feb 2023 13:59
Operator : CG/JU
Sample : 01362-04
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
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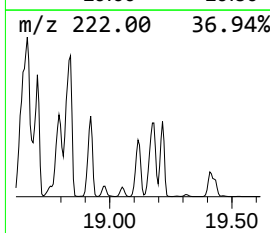
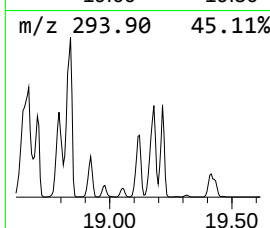
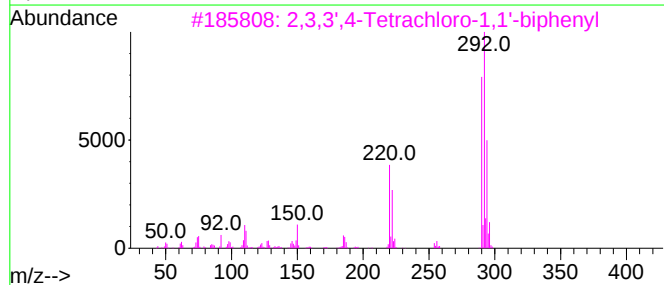
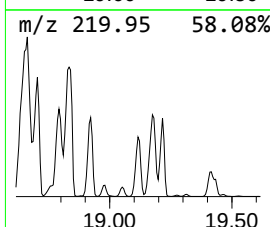
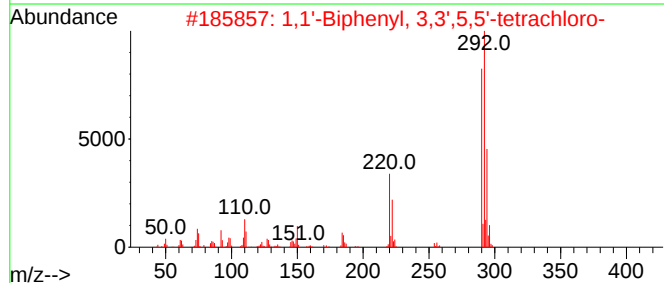
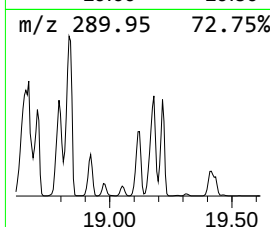
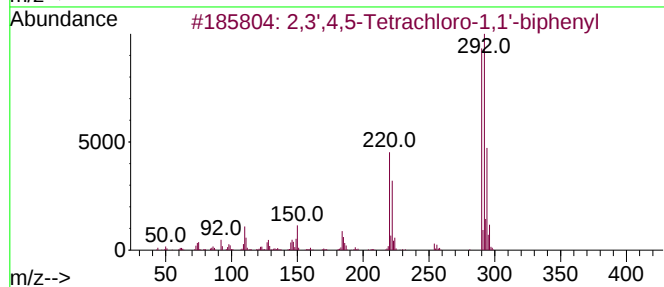
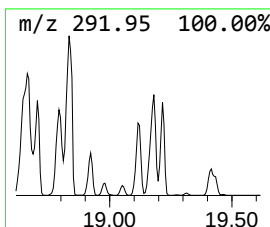
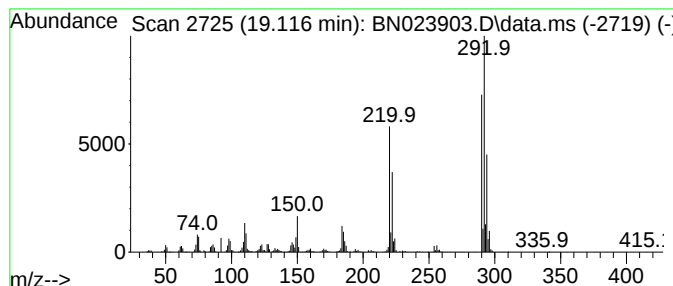
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Quant Title : SVOA CALIBRATION

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

Peak Number 35 1,1'-Biphenyl, 3,3',5,5'-te... Concentration Rank 29

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.116	23.29 ng/ul	19506700	Phenanthrene-d10	17.316

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	1,1'-Biphenyl, 3,3',5,5'-tetrach...	290	C12H6Cl4	033284-52-5	99		
3	2,3,3',4-Tetrachloro-1,1'-biphenyl	290	C12H6Cl4	074338-24-2	99		
4	1,1'-Biphenyl, 3,3',4,5'-tetrach...	290	C12H6Cl4	041464-48-6	99		
5	2,3,4',5-Tetrachloro-1,1'-biphenyl	290	C12H6Cl4	074472-34-7	99		



Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN020223\
Data File : BN023903.D
Acq On : 02 Feb 2023 13:59
Operator : CG/JU
Sample : 01362-04
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
A4442

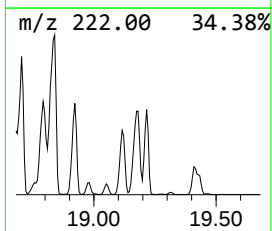
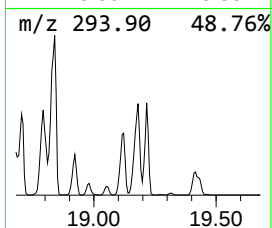
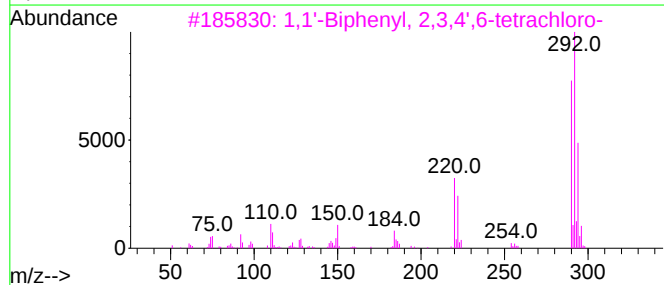
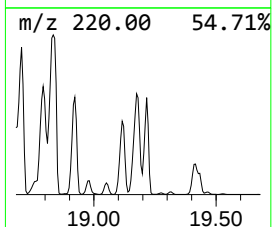
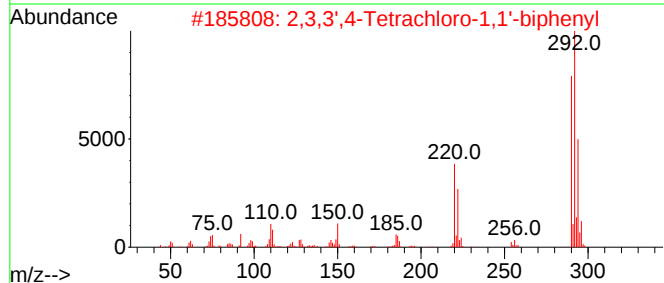
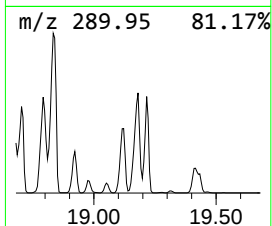
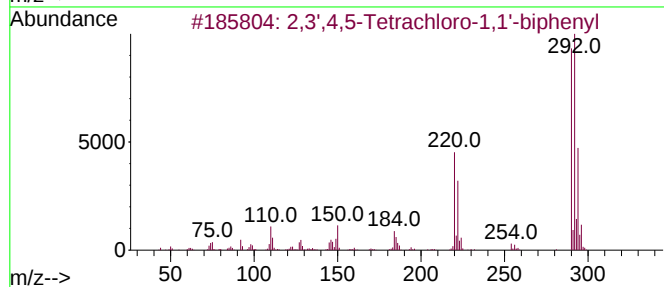
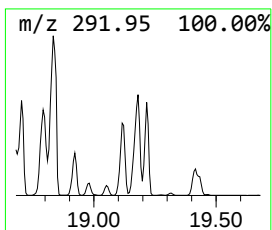
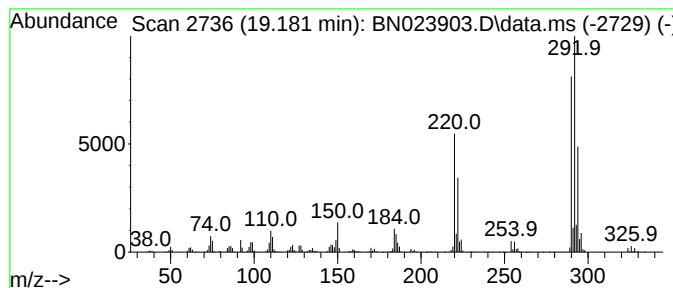
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Quant Title : SVOA CALIBRATION

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

Peak Number 36 2,3,3',4-Tetrachloro-1,1'-b... Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.181	46.50 ng/ul	38953800	Phenanthrene-d10	17.316

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	2,3,3',4-Tetrachloro-1,1'-biphenyl	290	C12H6Cl4	074338-24-2	99		
3	1,1'-Biphenyl, 2,3,4',6-tetrachl...	290	C12H6Cl4	052663-58-8	99		
4	1,1'-Biphenyl, 3,3',4,5'-tetrach...	290	C12H6Cl4	041464-48-6	99		
5	1,1'-Biphenyl, 2,3,4,4'-tetrachl...	290	C12H6Cl4	033025-41-1	99		



Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN020223\
Data File : BN023903.D
Acq On : 02 Feb 2023 13:59
Operator : CG/JU
Sample : 01362-04
Misc :
ALS Vial : 9 Sample Multiplier: 1

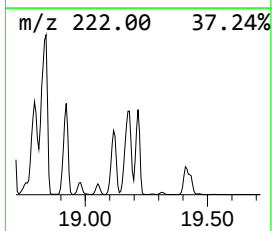
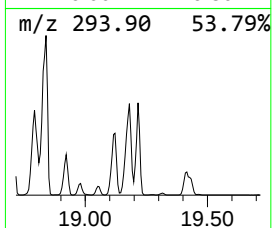
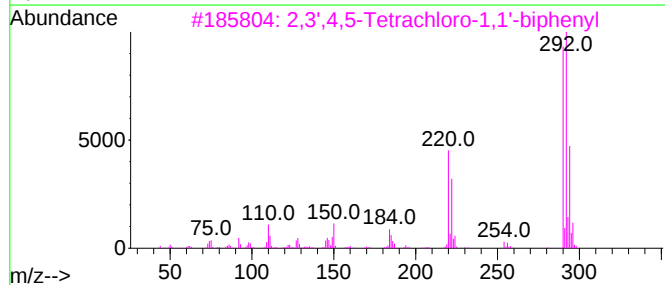
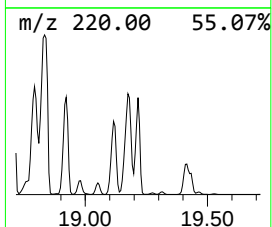
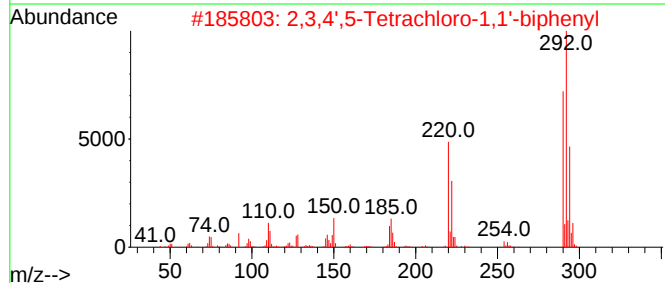
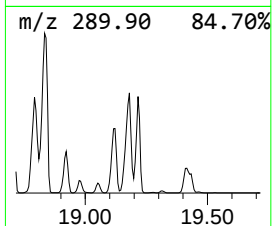
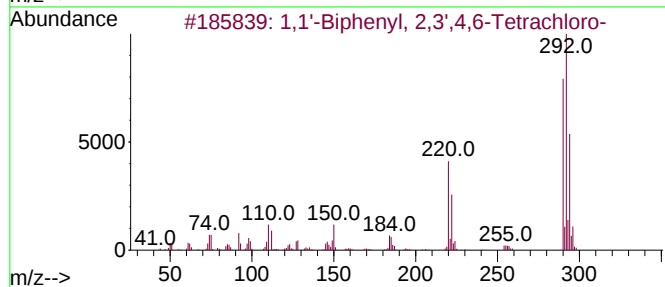
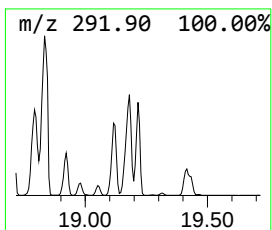
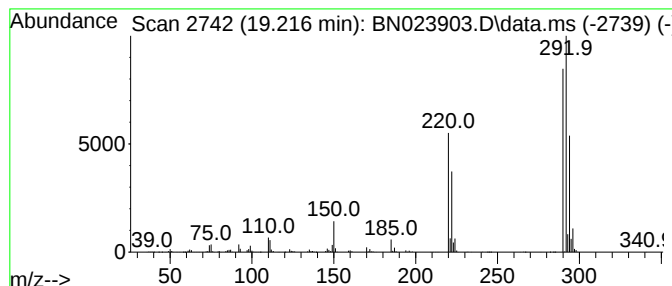
Instrument :
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ClientSampleId :
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Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\SFAM-EPA-BN020123.M
Quant Title : SVOA CALIBRATION

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

Peak Number 37 2,3,4,6-Tetrachloro-1,1'-bi... Concentration Rank 26

R.T.	EstConc	Area	Relative to ISTD		R.T.	
19.216	26.78 ng/ul	22430500	Phenanthrene-d10		17.316	
Hit#	of 5	Tentative ID	MW	MolForm	CAS#	Qual
1		1,1'-Biphenyl, 2,3',4,6-Tetrachl...	290	C12H6Cl4	060233-24-1	95
2		2,3,4',5-Tetrachloro-1,1'-biphenyl	290	C12H6Cl4	074472-34-7	95
3		2,3',4,5-Tetrachloro-1,1'-biphenyl	290	C12H6Cl4	073575-53-8	94
4		2,3',4,5'-Tetrachloro-1,1'-biphenyl	290	C12H6Cl4	073575-52-7	94
5		2,3,4,6-Tetrachloro-1,1'-biphenyl	290	C12H6Cl4	054230-22-7	94



Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN020223\
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Misc :
ALS Vial : 9 Sample Multiplier: 1

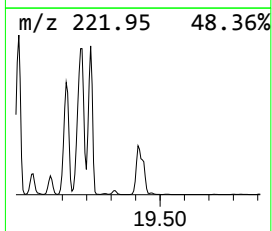
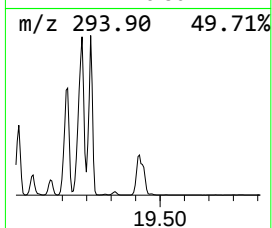
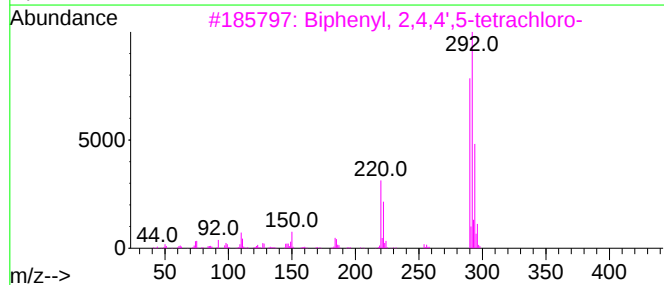
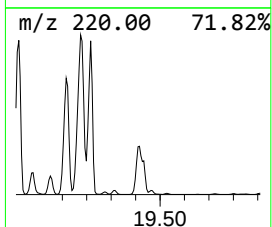
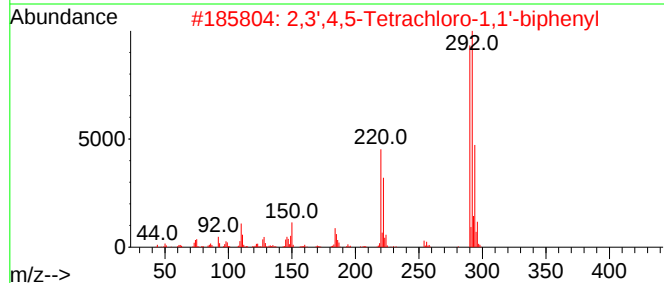
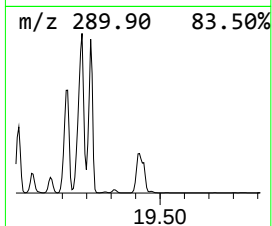
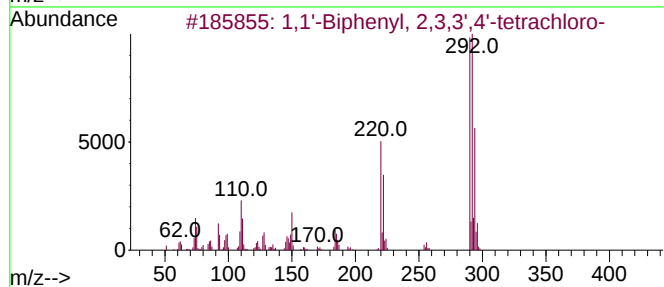
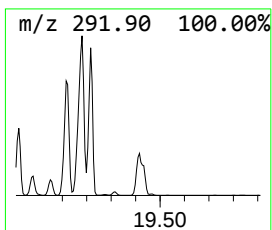
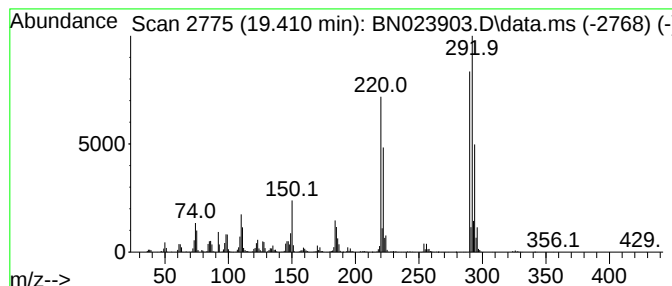
Instrument :
BNA_N
ClientSampleId :
A4442

Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\SFAM-EPA-BN020123.M
Quant Title : SVOA CALIBRATION

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

Peak Number 39 1,1'-Biphenyl, 2,3,3',4'-te... Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.	
19.410	100.08 ng/ul	11821700	Chrysene-d12	21.451	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,1'-Biphenyl, 2,3,3',4'-tetrachloro-1,1'-biphenyl	290	C12H6Cl4	041464-43-1	99
2	2,3,3',4,5-Tetrachloro-1,1'-biphenyl	290	C12H6Cl4	073575-53-8	99
3	Biphenyl, 2,4,4',5-tetrachloro-1,1'-biphenyl	290	C12H6Cl4	032690-93-0	99
4	1,1'-Biphenyl, 2,3',4',6-tetrachloro-1,1'-biphenyl	290	C12H6Cl4	041464-46-4	99
5	2,3,3',6-Tetrachloro-1,1'-biphenyl	290	C12H6Cl4	074472-33-6	99



Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN020223\
Data File : BN023903.D
Acq On : 02 Feb 2023 13:59
Operator : CG/JU
Sample : 01362-04
Misc :
ALS Vial : 9 Sample Multiplier: 1

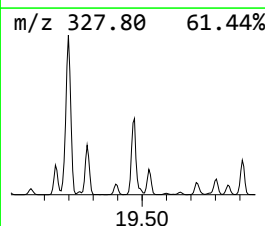
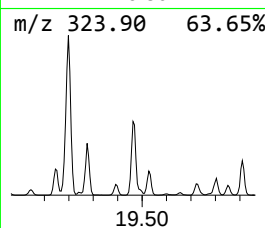
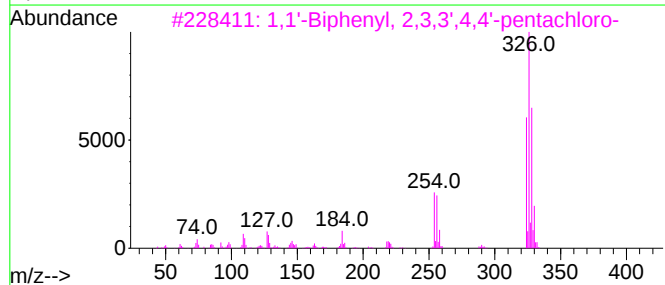
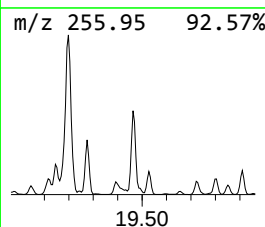
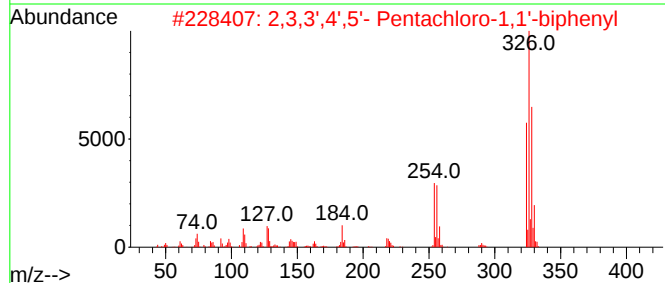
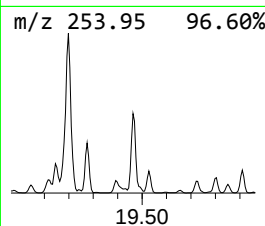
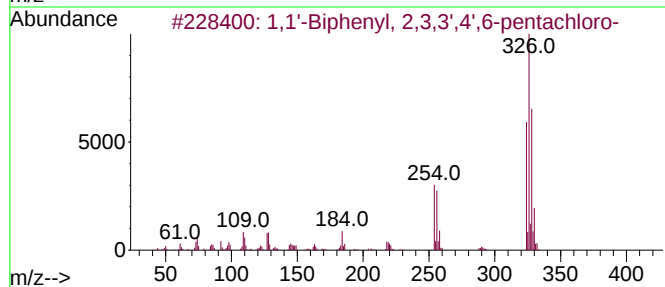
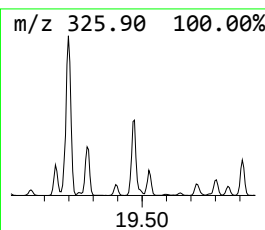
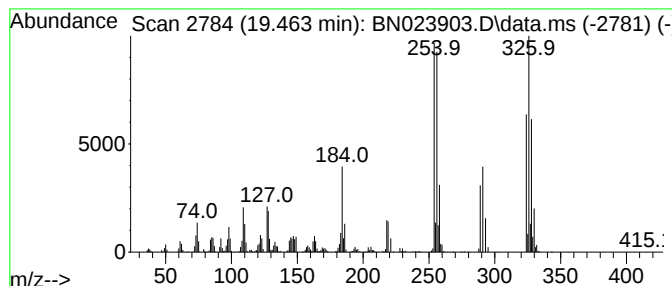
Instrument :
BNA_N
ClientSampleId :
A4442

Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\SFAM-EPA-BN020123.M
Quant Title : SVOA CALIBRATION

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

Peak Number 40 1,1'-Biphenyl, 2,3,3',4',6-... Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.	
19.463	49.60 ng/ul	5858970	Chrysene-d12	21.451	
Hit#	of 5	Tentative ID	MW MolForm	CAS#	Qual
1	1,1'-Biphenyl, 2,3,3',4',6-penta...	324	C12H5Cl5	038380-03-9	99
2	2,3,3',4',5'- Pentachloro-1,1'-b...	324	C12H5Cl5	076842-07-4	99
3	1,1'-Biphenyl, 2,3,3',4,4'-penta...	324	C12H5Cl5	032598-14-4	99
4	1,1'-Biphenyl, 2,2',4,6,6'-Penta...	324	C12H5Cl5	056558-16-8	99
5	2,2',3,4,6'-Pentachloro-1,1'-bip...	324	C12H5Cl5	073575-57-2	99



Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN020223\
Data File : BN023903.D
Acq On : 02 Feb 2023 13:59
Operator : CG/JU
Sample : 01362-04
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
A4442

Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\SFAM-EPA-BN020123.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
Benzene, 1,2,4-...	10.522	15.9	ng/ul	1192930	2	10.663	1503460	20.0
(DEL) Alkane: S...	13.234	3.3	ng/ul	375247	3	14.504	2294720	20.0
1,1'-Biphenyl, ...	14.634	104.8	ng/ul	12025700	3	14.504	2294720	20.0
1,1'-Biphenyl, ...	15.440	31.8	ng/ul	3651610	3	14.504	2294720	20.0
1,1'-Biphenyl, ...	15.793	516.4	ng/ul	59245500	3	14.504	2294720	20.0
1,1'-Biphenyl, ...	16.210	23.3	ng/ul	19550000	4	17.316	16752700	20.0
1,1'-Biphenyl, ...	16.387	38.5	ng/ul	32249300	4	17.316	16752700	20.0
1,1'-Biphenyl, ...	16.534	103.0	ng/ul	86242700	4	17.316	16752700	20.0
1,1'-Biphenyl, ...	16.804	29.9	ng/ul	25002200	4	17.316	16752700	20.0
1,1'-Biphenyl, ...	17.198	152.1	ng/ul	127387000	4	17.316	16752700	20.0
2,2',4-Trichlor...	17.228	31.2	ng/ul	26145100	4	17.316	16752700	20.0
1,1'-Biphenyl, ...	17.481	95.3	ng/ul	79845500	4	17.316	16752700	20.0
1,1'-Biphenyl, ...	17.734	42.2	ng/ul	35338400	4	17.316	16752700	20.0
1,1'-Biphenyl, ...	17.922	169.8	ng/ul	142227000	4	17.316	16752700	20.0
1,1'-Biphenyl, ...	18.057	109.4	ng/ul	91665300	4	17.316	16752700	20.0
1,1'-Biphenyl, ...	18.169	67.5	ng/ul	56515000	4	17.316	16752700	20.0
1,1'-Biphenyl, ...	18.210	29.9	ng/ul	25056100	4	17.316	16752700	20.0
2,3,3',6-Tetrac...	18.381	87.4	ng/ul	73206100	4	17.316	16752700	20.0
1,1'-Biphenyl, ...	18.439	68.5	ng/ul	57363600	4	17.316	16752700	20.0
3,3',4,5-Tetrac...	18.486	51.4	ng/ul	43062900	4	17.316	16752700	20.0
1,1'-Biphenyl, ...	18.663	93.1	ng/ul	77996200	4	17.316	16752700	20.0
1,1'-Biphenyl, ...	18.704	33.0	ng/ul	27607300	4	17.316	16752700	20.0
1,1'-Biphenyl, ...	18.757	41.3	ng/ul	34615100	4	17.316	16752700	20.0
2,3',4,5-Tetrac...	18.792	33.1	ng/ul	27731500	4	17.316	16752700	20.0
2,3',5',6-Tetra...	18.834	55.8	ng/ul	46773500	4	17.316	16752700	20.0
1,1'-Biphenyl, ...	18.922	23.7	ng/ul	19870600	4	17.316	16752700	20.0
1,1'-Biphenyl, ...	19.116	23.3	ng/ul	19506700	4	17.316	16752700	20.0
2,3,3',4-Tetrac...	19.181	46.5	ng/ul	38953800	4	17.316	16752700	20.0
2,3,4,6-Tetrach...	19.216	26.8	ng/ul	22430500	4	17.316	16752700	20.0
1,1'-Biphenyl, ...	19.410	100.1	ng/ul	11821700	5	21.451	2362460	20.0
1,1'-Biphenyl, ...	19.463	49.6	ng/ul	5858970	5	21.451	2362460	20.0