

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN020623\
 Data File : BN023955.D
 Acq On : 06 Feb 2023 16:35
 Operator : CG/JU
 Sample : 01362-05ME
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 A4443ME

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-BN020623.M
 Title : SVOA CALIBRATION

Signal : TIC: BN023955.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	3.228	20	24	34	rVB	38701	52870	0.15%	0.018%
2	3.652	94	96	117	rBV	428749	628509	1.83%	0.216%
3	7.011	660	667	679	rVB	702049	1062631	3.10%	0.365%
4	7.175	687	695	704	rBV	570266	866015	2.52%	0.298%
5	7.369	721	728	735	rBV	728709	1102124	3.21%	0.379%
6	7.840	801	808	818	rBV	646147	989122	2.88%	0.340%
7	8.558	923	930	941	rBV	872262	1328591	3.87%	0.456%
8	9.011	998	1007	1024	rBV	692105	1095066	3.19%	0.376%
9	9.734	1122	1130	1141	rBV	593225	960798	2.80%	0.330%
10	10.269	1214	1221	1230	rBV	914578	1432992	4.17%	0.492%
11	10.646	1274	1285	1293	rBV	861801	1401224	4.08%	0.481%
12	10.793	1303	1310	1325	rBV	843379	1400140	4.08%	0.481%
13	13.316	1733	1739	1744	rBV2	27068	49881	0.15%	0.017%
14	13.910	1833	1840	1847	rBV	1431464	1943117	5.66%	0.668%
15	14.187	1881	1887	1907	rVB	1691997	2352327	6.85%	0.808%
16	14.493	1929	1939	1949	rBV2	1267958	2329281	6.78%	0.800%
17	14.616	1952	1960	1968	rVB	658185	883723	2.57%	0.304%
18	14.704	1968	1975	1987	rBV	646145	903852	2.63%	0.311%
19	15.340	2076	2083	2088	rVB2	46134	75340	0.22%	0.026%
20	15.428	2093	2098	2103	rBV2	155747	231952	0.68%	0.080%
21	15.487	2103	2108	2114	rVV	2109822	2807528	8.18%	0.965%
22	15.534	2114	2116	2121	rVB2	42049	53487	0.16%	0.018%
23	15.610	2123	2129	2135	rBV	646966	821435	2.39%	0.282%
24	15.698	2140	2144	2147	rVV	31584	45737	0.13%	0.016%
25	15.751	2147	2153	2164	rVV2	6863908	12560717	36.59%	4.315%
26	15.857	2164	2171	2176	rVB	63371	83242	0.24%	0.029%
27	16.081	2203	2209	2215	rBV	1495353	1964199	5.72%	0.675%
28	16.192	2222	2228	2237	rVB	1575275	2118589	6.17%	0.728%
29	16.357	2250	2256	2265	rVB	2963796	3982959	11.60%	1.368%
30	16.481	2270	2277	2283	rBV	10150097	14119480	41.13%	4.851%
31	16.775	2321	2327	2333	rBV	2175750	2842075	8.28%	0.976%
32	17.022	2361	2369	2374	rBV2	44673	65202	0.19%	0.022%
33	17.134	2380	2388	2391	rBV	13837775	22082107	64.32%	7.587%
34	17.169	2391	2394	2399	rVV	6824636	8282841	24.13%	2.846%
35	17.234	2399	2405	2410	rVV2	4804265	7593768	22.12%	2.609%
36	17.275	2410	2412	2419	rVV	1158762	1577576	4.60%	0.542%

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37	17.351	2419	2425	2430	rVV	1882260	2608766	7.60%	0.896%
38	17.422	2430	2437	2450	rVB	9102047	13752094	40.06%	4.725%
39	17.534	2451	2456	2464	rBV	72437	127192	0.37%	0.044%
40	17.610	2464	2469	2476	rVB3	223625	331661	0.97%	0.114%
41	17.698	2478	2484	2487	rBV	2961420	4062812	11.83%	1.396%
42	17.728	2487	2489	2494	rVB	1456934	1626493	4.74%	0.559%
43	17.792	2494	2500	2502	rBV2	33986	43653	0.13%	0.015%
44	17.857	2502	2511	2517	rBV	15759199	34330807	100.00%	11.795%
45	17.987	2523	2533	2538	rBV2	9598267	15470014	45.06%	5.315%
46	18.045	2538	2543	2547	rVV	604531	780471	2.27%	0.268%
47	18.104	2547	2553	2557	rVV	5854364	7845259	22.85%	2.695%
48	18.157	2557	2562	2569	rVB	2189887	3028755	8.82%	1.041%
49	18.263	2575	2580	2584	rBV	889960	1137734	3.31%	0.391%
50	18.322	2584	2590	2596	rVV	7340953	10427000	30.37%	3.582%
51	18.381	2596	2600	2604	rVV	5551094	7346980	21.40%	2.524%
52	18.422	2604	2607	2613	rVB	4892440	6182079	18.01%	2.124%
53	18.604	2628	2638	2643	rBV	6981222	10269270	29.91%	3.528%
54	18.651	2643	2646	2651	rVV	2726472	3467303	10.10%	1.191%
55	18.704	2651	2655	2659	rVV	2847216	3810790	11.10%	1.309%
56	18.745	2659	2662	2665	rVV	2350303	2992396	8.72%	1.028%
57	18.781	2665	2668	2674	rVB	5352283	6388689	18.61%	2.195%
58	18.845	2675	2679	2681	rBV2	80638	112169	0.33%	0.039%
59	18.881	2681	2685	2690	rVB	1533602	1902839	5.54%	0.654%
60	18.951	2690	2697	2704	rBV	198820	245101	0.71%	0.084%
61	19.028	2704	2710	2714	rVB2	172372	229498	0.67%	0.079%
62	19.086	2714	2720	2724	rBV	1149997	1474247	4.29%	0.506%
63	19.139	2724	2729	2732	rVV	1944187	2790826	8.13%	0.959%
64	19.175	2732	2735	2744	rVB2	1574041	2307828	6.72%	0.793%
65	19.251	2744	2748	2752	rBV	208038	278883	0.81%	0.096%
66	19.386	2764	2771	2773	rBV2	209631	308527	0.90%	0.106%
67	19.445	2777	2781	2788	rVV	235212	364876	1.06%	0.125%
68	19.510	2789	2792	2796	rVB2	37318	41018	0.12%	0.014%
69	19.639	2808	2814	2820	rBV	2266070	2871000	8.36%	0.986%
70	21.145	3065	3070	3079	rBV	467322	689202	2.01%	0.237%
71	21.363	3100	3107	3111	rBV	21636398	32873099	95.75%	11.294%
72	21.433	3115	3119	3127	rVB	1275091	1718417	5.01%	0.590%
73	23.663	3491	3498	3510	rVB2	1471993	2926552	8.52%	1.005%
74	23.822	3518	3525	3533	rVB	950235	1813309	5.28%	0.623%

Sum of corrected areas: 291068106

Instrument :

BNA_N

ClientSampleId :

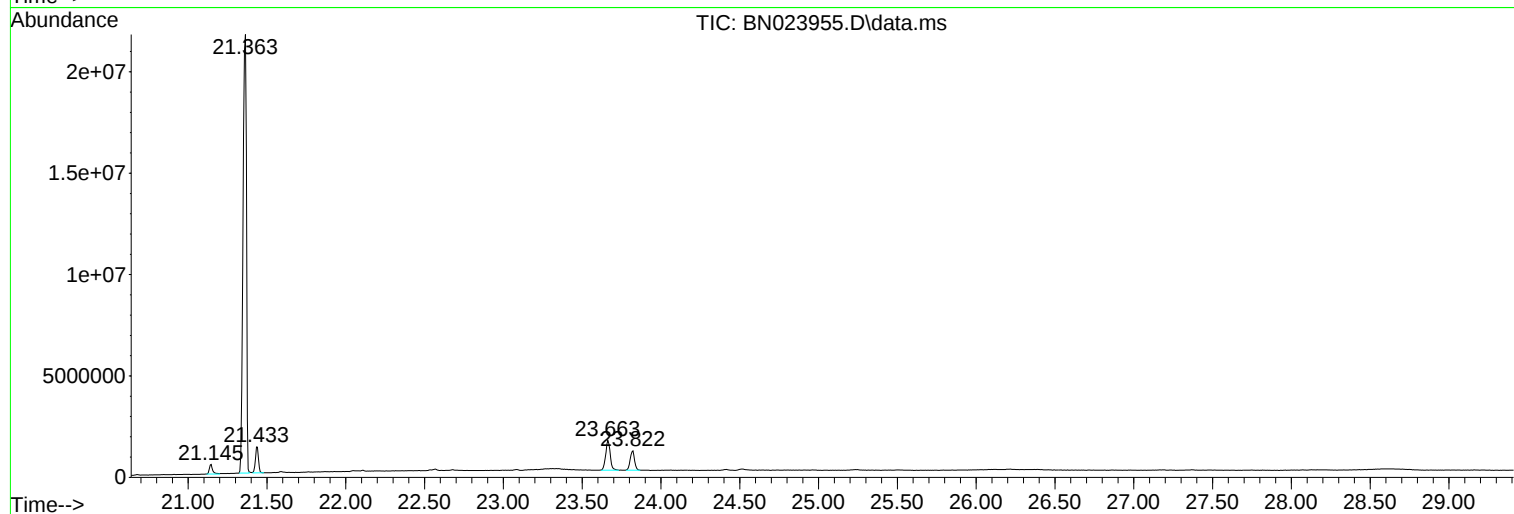
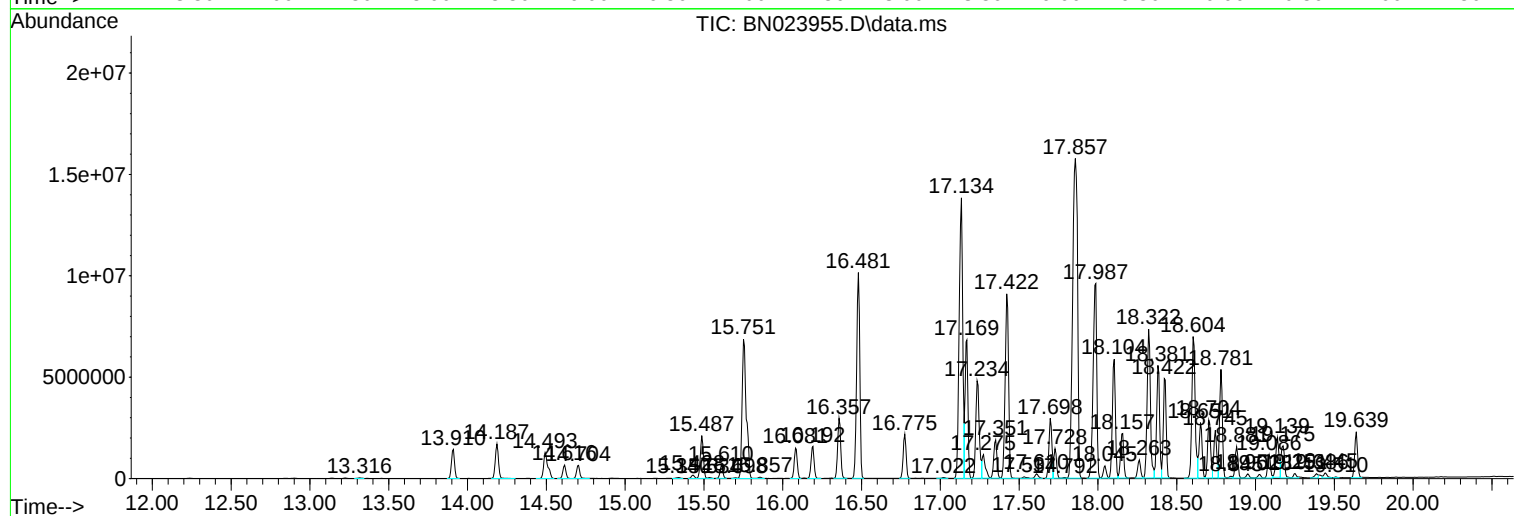
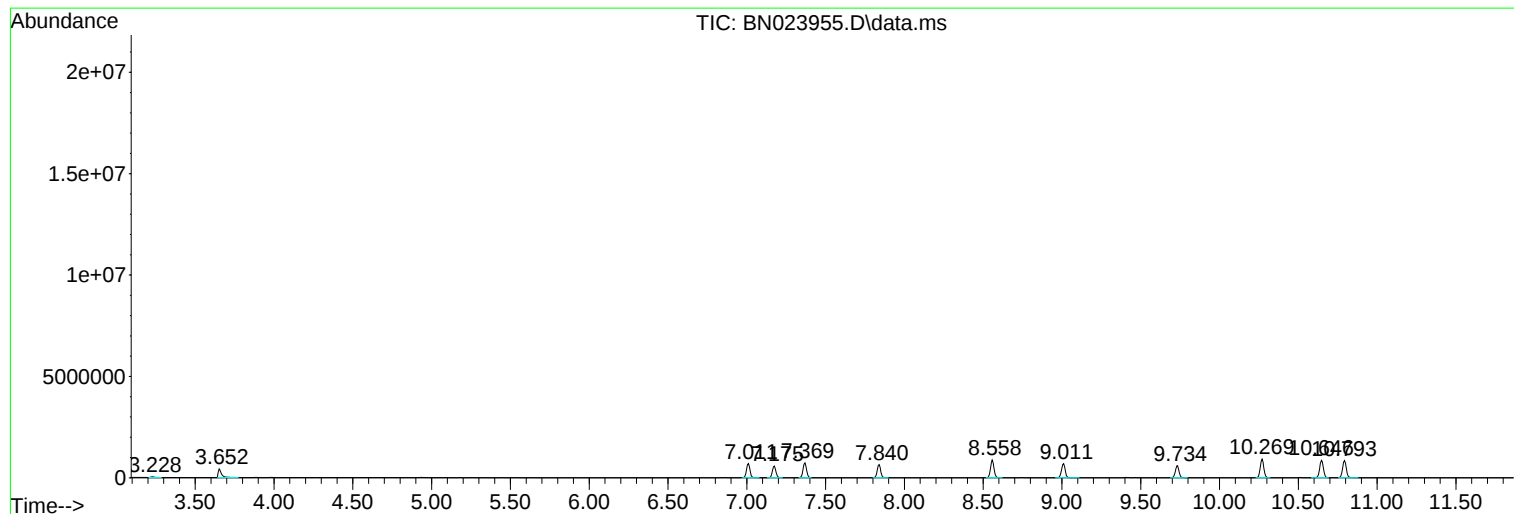
A4443ME

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Instrument :
BNA_N
ClientSampleId :
A4443ME

Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\SFAM-EPA-BN020623.M
Quant Title : SVOA CALIBRATION

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



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Operator : CG/JU
Sample : 01362-05ME
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
A4443ME

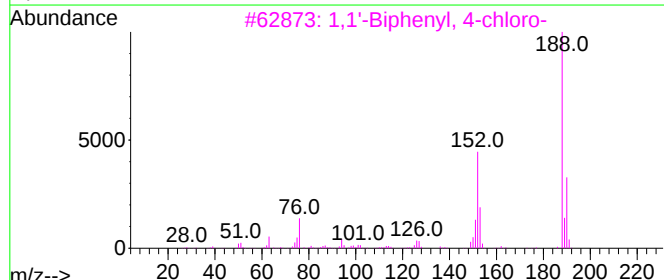
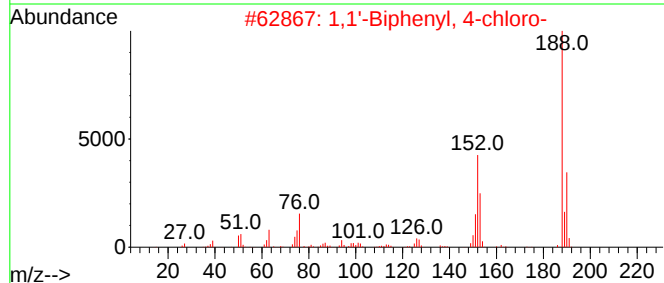
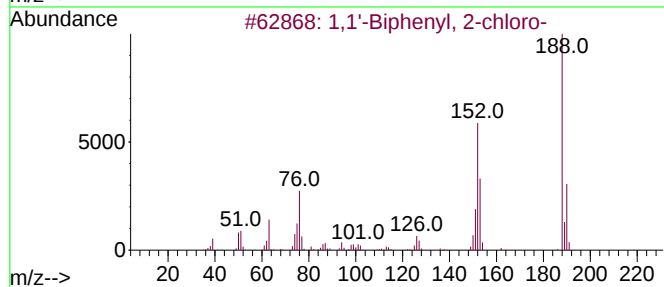
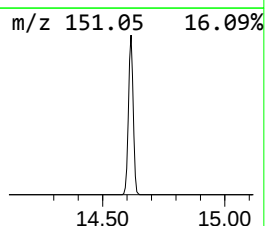
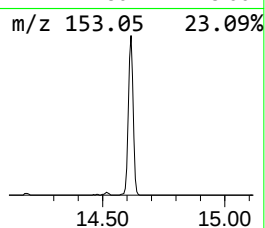
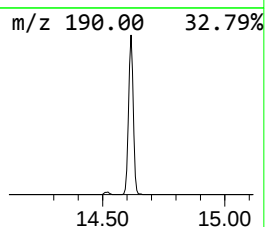
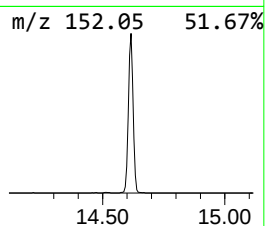
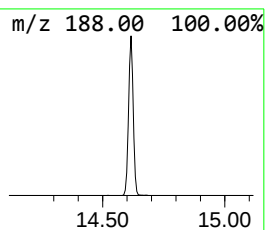
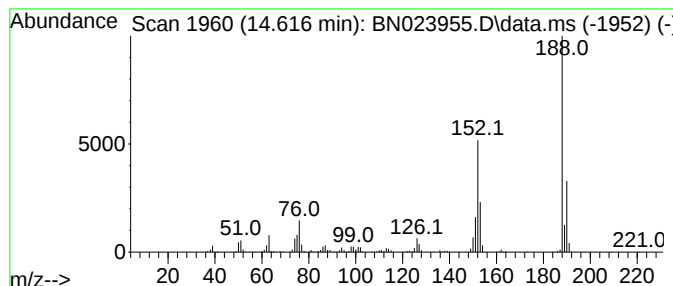
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\SFAM-EPA-BN020623.M
Quant Title : SVOA CALIBRATION

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

Peak Number 1 1,1'-Biphenyl, 2-chloro- Concentration Rank 21

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.616	7.59 ng/ul	883723	Acenaphthene-d10	14.493

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,1'-Biphenyl, 2-chloro-			188	C12H9Cl	002051-60-7	97
2	1,1'-Biphenyl, 4-chloro-			188	C12H9Cl	002051-62-9	97
3	1,1'-Biphenyl, 4-chloro-			188	C12H9Cl	002051-62-9	95
4	3-Chlorobiphenyl			188	C12H9Cl	002051-61-8	94
5	1,1'-Biphenyl, 2-chloro-			188	C12H9Cl	002051-60-7	94



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Misc :
ALS Vial : 10 Sample Multiplier: 1

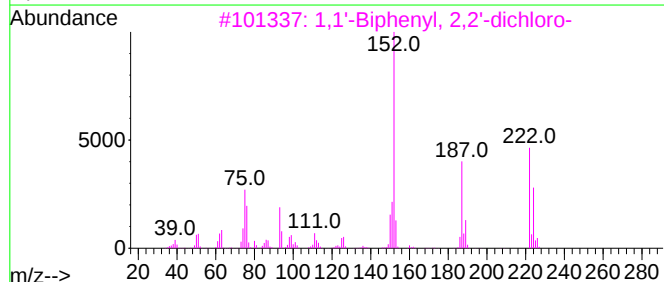
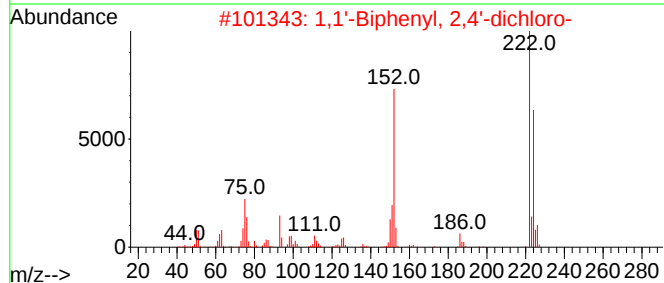
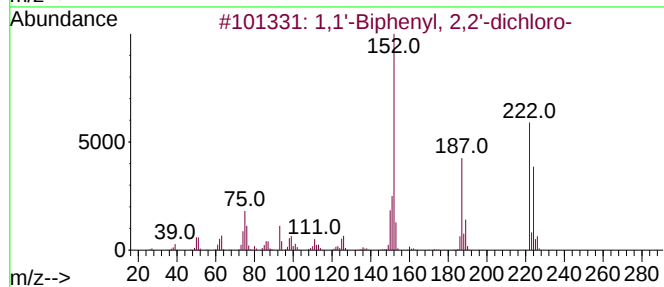
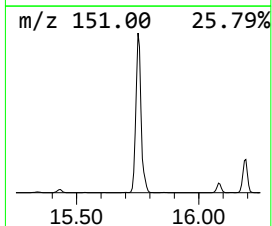
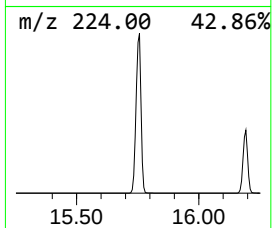
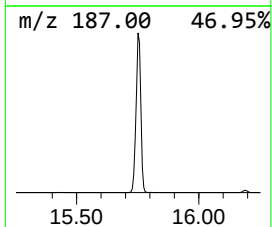
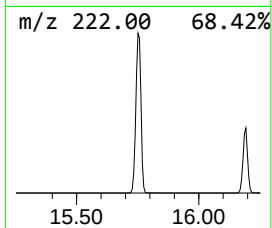
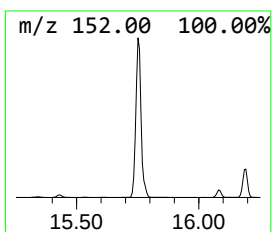
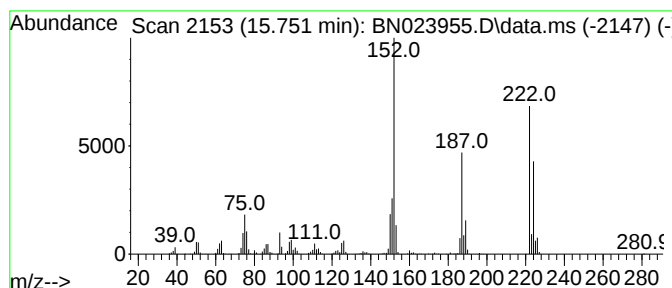
Instrument :
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Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\SFAM-EPA-BN020623.M
Quant Title : SVOA CALIBRATION

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

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

R.T.	EstConc	Area	Relative to ISTD		R.T.
15.751	107.85 ng/ul	12560700	Acenaphthene-d10		14.493
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, 2,4'-dichloro-	222	C12H8Cl2	034883-43-7	98
3	1,1'-Biphenyl, 2,2'-dichloro-	222	C12H8Cl2	013029-08-8	97
4	1,1'-Biphenyl, 2,3-dichloro-	222	C12H8Cl2	016605-91-7	97
5	1,1'-Biphenyl 2,3'-dichloro-	222	C12H8Cl2	025569-80-6	97



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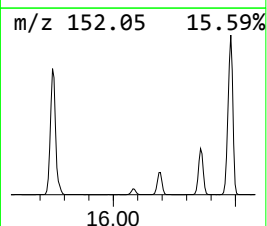
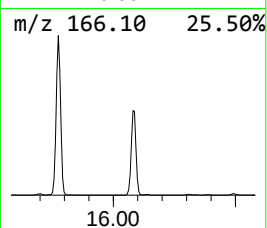
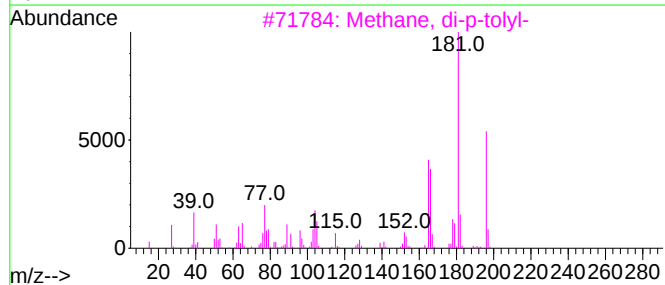
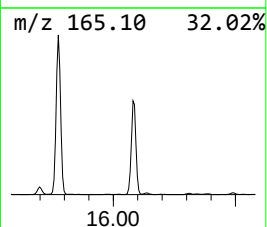
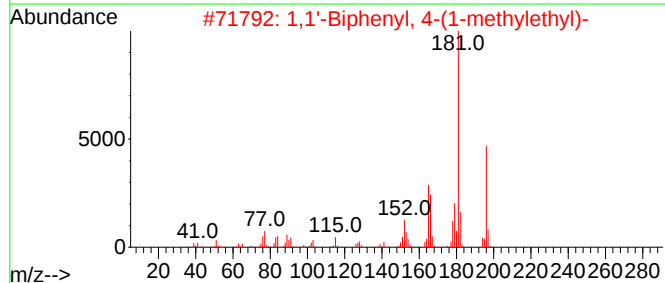
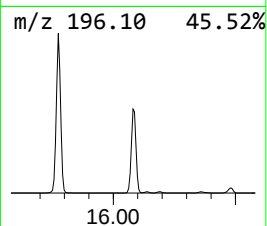
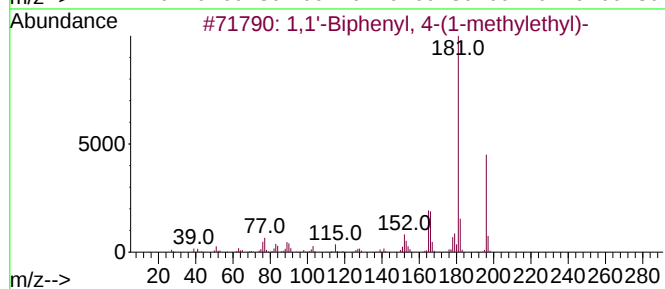
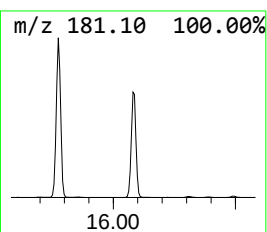
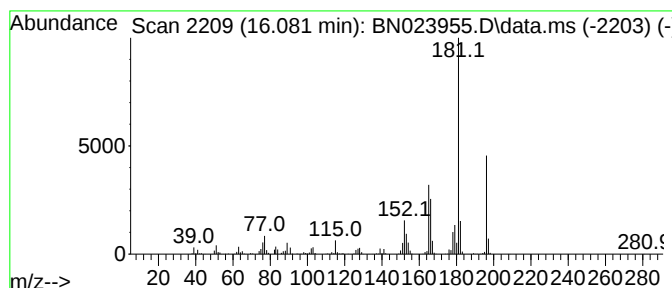
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Quant Title : SVOA CALIBRATION

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

Peak Number 3 1,1'-Biphenyl, 4-(1-methyle... Concentration Rank 26

R.T.	EstConc	Area	Relative to ISTD	R.T.	
16.081	5.17 ng/ul	1964200	Phenanthrene-d10	17.245	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,1'-Biphenyl, 4-(1-methylethyl)-	196	C15H16	007116-95-2	97
2	1,1'-Biphenyl, 4-(1-methylethyl)-	196	C15H16	007116-95-2	94
3	Methane, di-p-tolyl-	196	C15H16	004957-14-6	94
4	Benzene, 1,2-dimethyl-4-(phenylm...	196	C15H16	013540-56-2	94
5	Benzene, 3,5-dimethyl-1-(phenylm...	196	C15H16	028122-27-2	91



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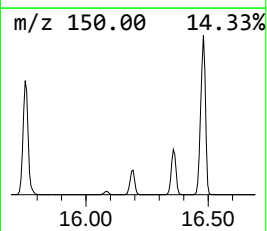
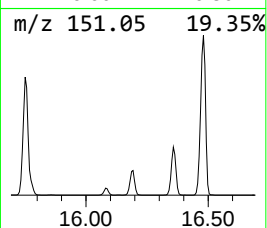
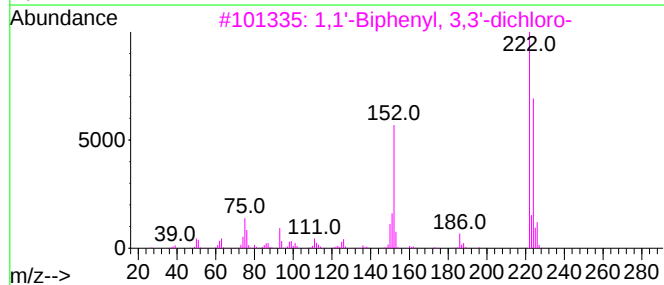
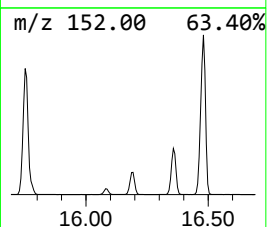
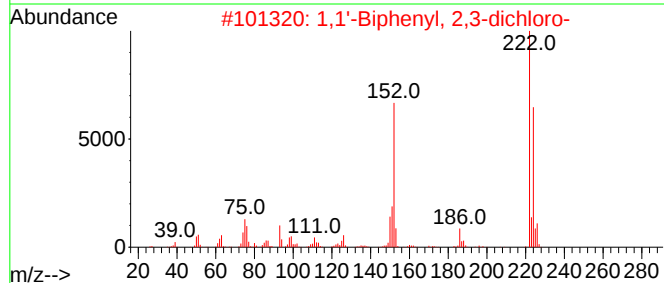
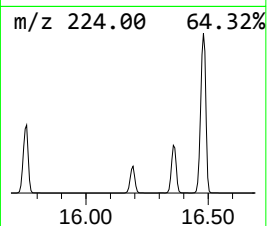
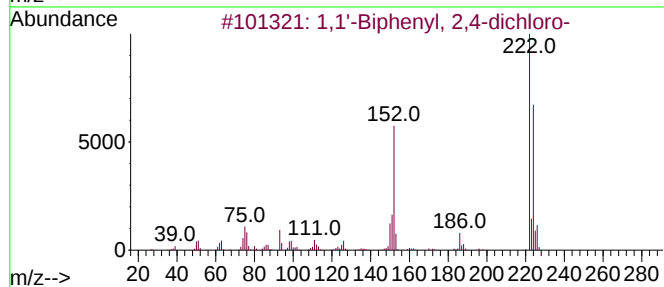
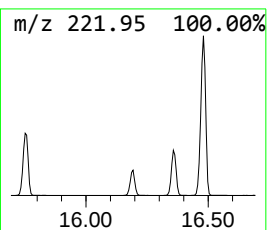
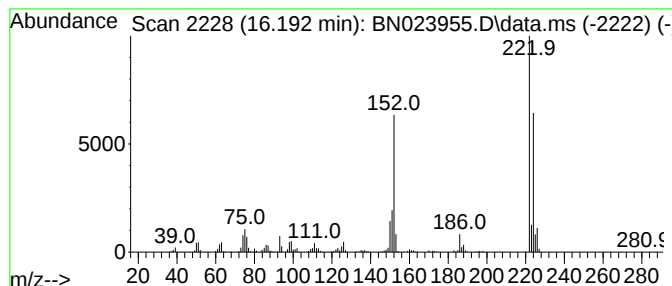
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Quant Title : SVOA CALIBRATION

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

Peak Number 4 1,1'-Biphenyl, 2,4-dichloro- Concentration Rank 25

R.T.	EstConc	Area	Relative to ISTD	R.T.	
16.192	5.58 ng/ul	2118590	Phenanthrene-d10	17.245	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,1'-Biphenyl, 2,4-dichloro-	222	C12H8Cl2	033284-50-3	99
2	1,1'-Biphenyl, 2,3-dichloro-	222	C12H8Cl2	016605-91-7	99
3	1,1'-Biphenyl, 3,3'-dichloro-	222	C12H8Cl2	002050-67-1	99
4	1,1'-Biphenyl, 2,4'-dichloro-	222	C12H8Cl2	034883-43-7	98
5	1,1'-Biphenyl, 3,3'-dichloro-	222	C12H8Cl2	002050-67-1	97



Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN020623\
Data File : BN023955.D
Acq On : 06 Feb 2023 16:35
Operator : CG/JU
Sample : 01362-05ME
Misc :
ALS Vial : 10 Sample Multiplier: 1

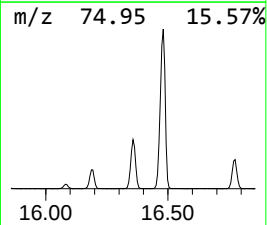
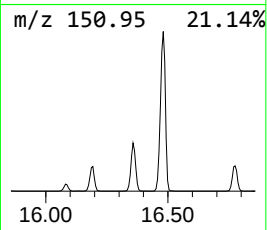
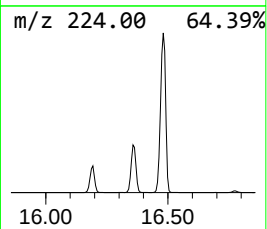
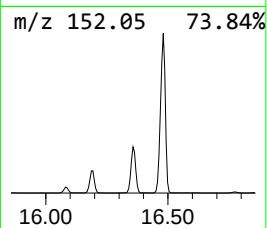
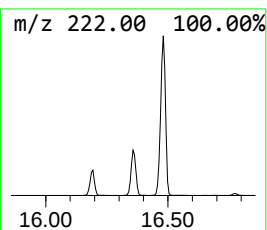
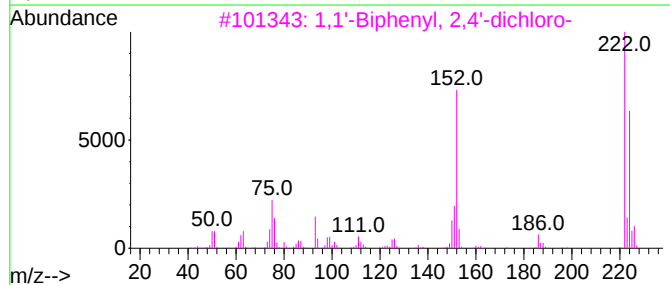
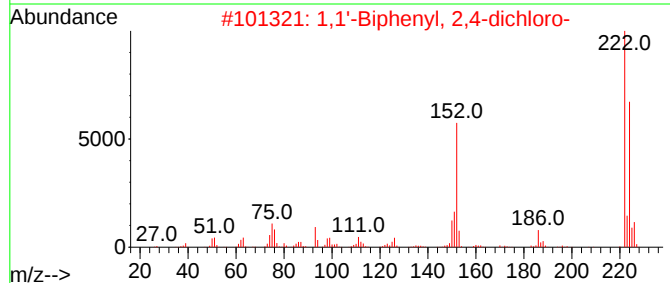
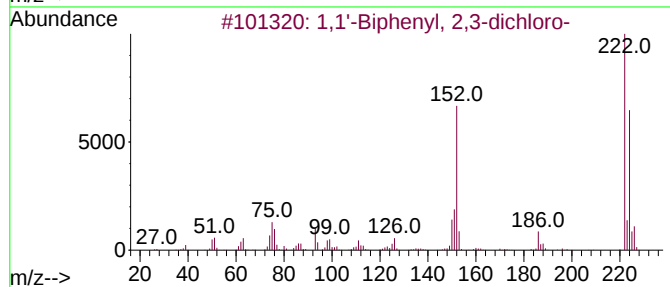
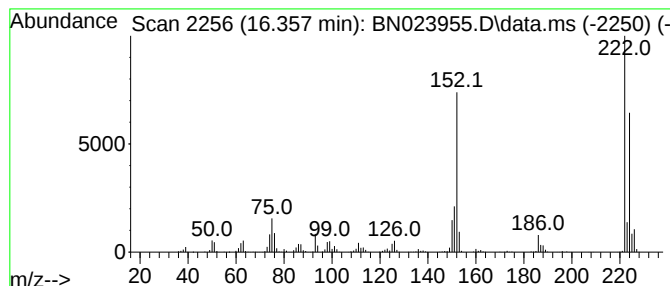
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Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\SFAM-EPA-BN020623.M
Quant Title : SVOA CALIBRATION

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.	
16.357	10.49 ng/ul	3982960	Phenanthrene-d10	17.245	
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, 2,4'-dichloro-	222	C12H8Cl2	034883-43-7	98
4	1,1'-Biphenyl, 3,3'-dichloro-	222	C12H8Cl2	002050-67-1	98
5	1,1'-Biphenyl, 2,5-dichloro-	222	C12H8Cl2	034883-39-1	98



Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN020623\
Data File : BN023955.D
Acq On : 06 Feb 2023 16:35
Operator : CG/JU
Sample : 01362-05ME
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
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ClientSampleId :
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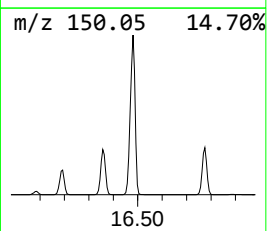
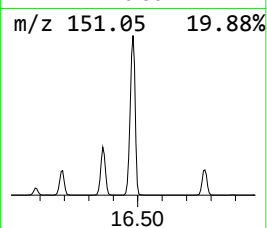
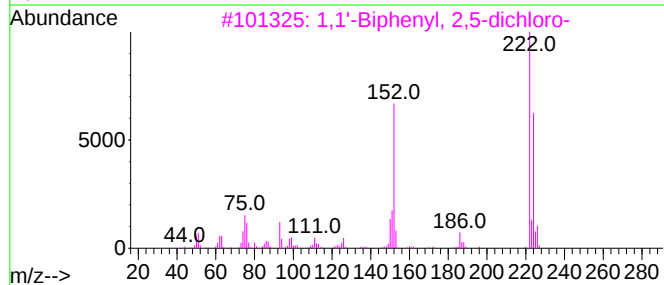
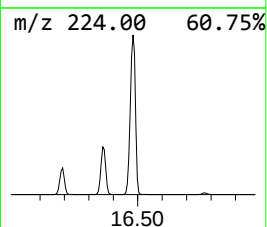
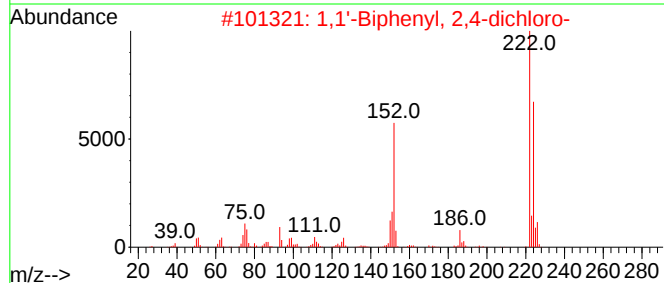
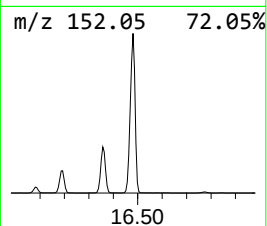
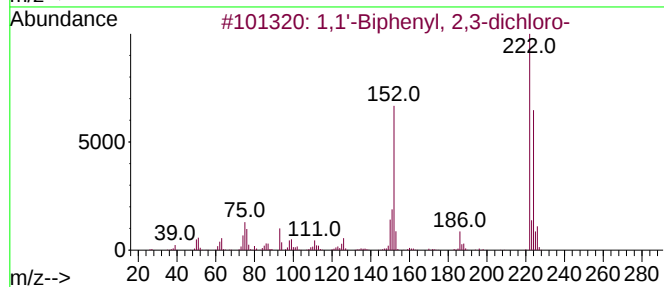
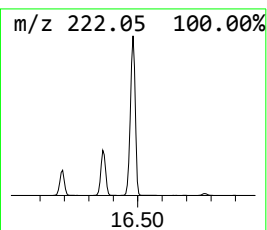
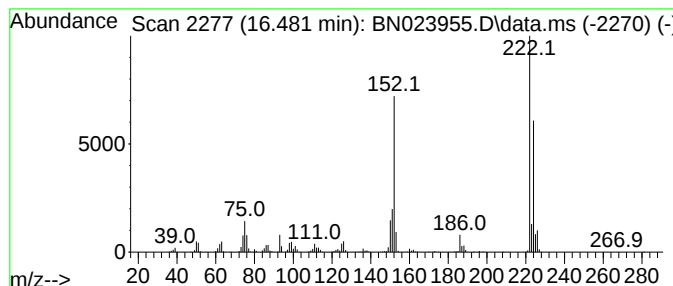
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Quant Title : SVOA CALIBRATION

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

Peak Number 6 1,1'-Biphenyl, 2,5-dichloro- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.481	37.19 ng/ul	14119500	Phenanthrene-d10	17.245

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, 2,5-dichloro-	222	C12H8Cl2	034883-39-1	98		
4	1,1'-Biphenyl, 3,3'-dichloro-	222	C12H8Cl2	002050-67-1	98		
5	1,1'-Biphenyl 2,3'-dichloro-	222	C12H8Cl2	025569-80-6	98		



Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN020623\
Data File : BN023955.D
Acq On : 06 Feb 2023 16:35
Operator : CG/JU
Sample : 01362-05ME
Misc :
ALS Vial : 10 Sample Multiplier: 1

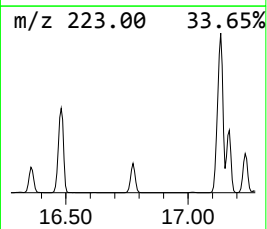
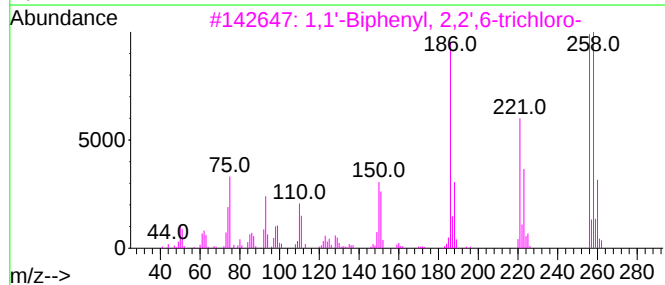
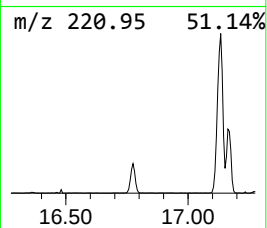
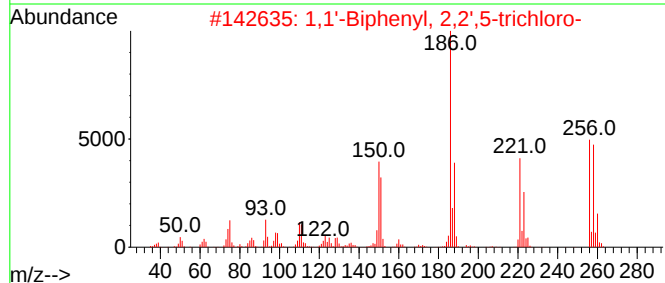
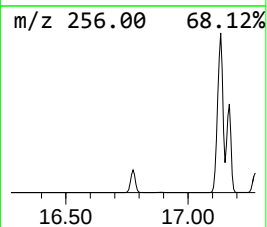
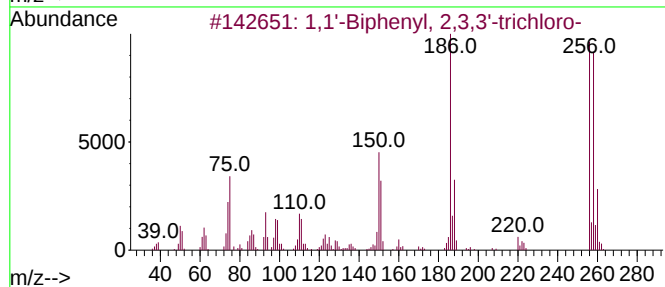
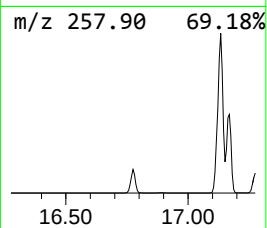
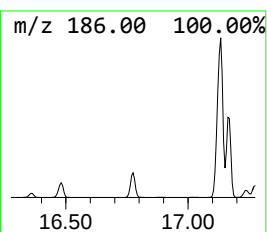
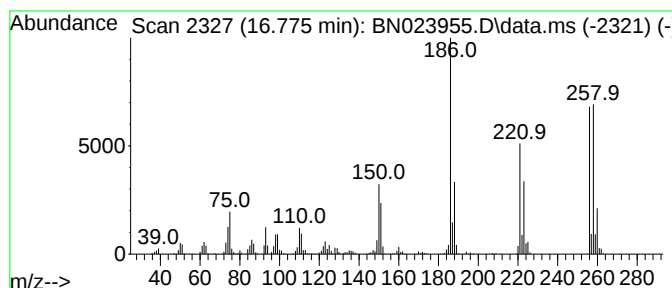
Instrument :
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Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\SFAM-EPA-BN020623.M
Quant Title : SVOA CALIBRATION

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

Peak Number 7 1,1'-Biphenyl, 2,3,3'-trich... Concentration Rank 22

R.T.	EstConc	Area	Relative to ISTD	R.T.	
16.775	7.49 ng/ul	2842080	Phenanthrene-d10	17.245	
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, 2,2',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	99



Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN020623\
Data File : BN023955.D
Acq On : 06 Feb 2023 16:35
Operator : CG/JU
Sample : 01362-05ME
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
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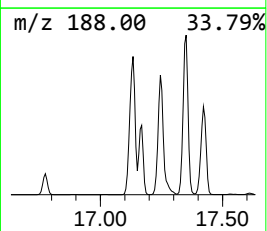
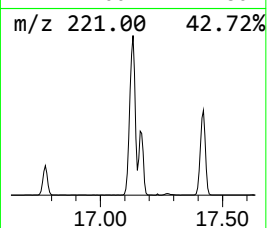
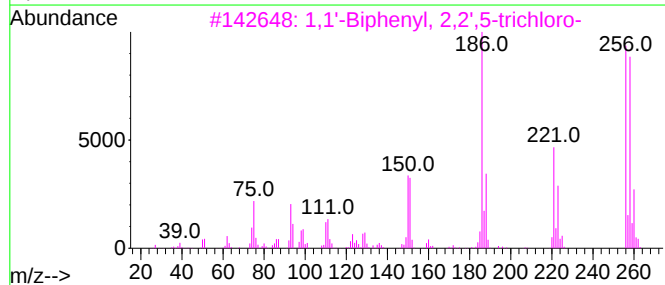
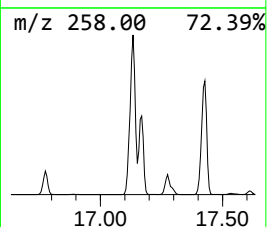
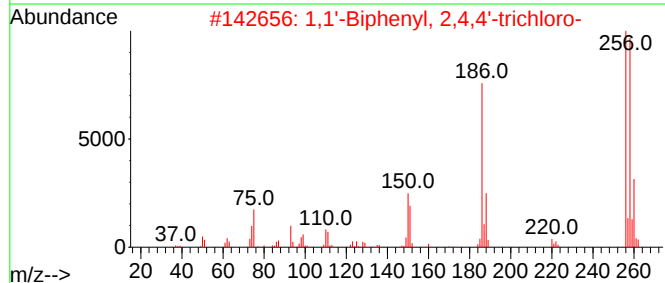
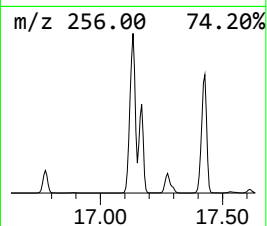
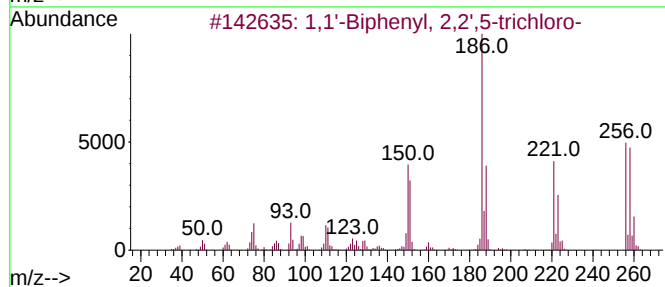
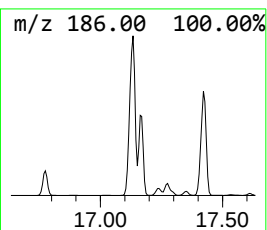
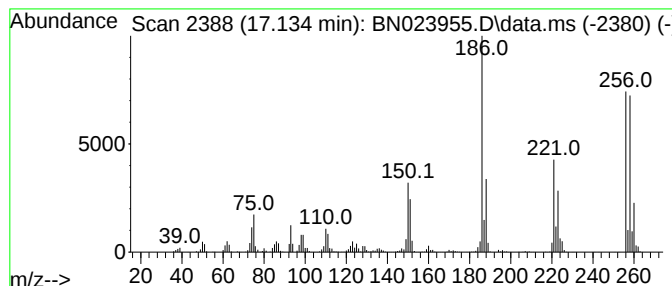
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Quant Title : SVOA CALIBRATION

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

Peak Number 8 1,1'-Biphenyl, 2,2',5-trich... Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.134	58.16 ng/ul	22082100	Phenanthrene-d10	17.245

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, 2,4,4'-trichloro-	256	C12H7Cl3	007012-37-5	99		
3	1,1'-Biphenyl, 2,2',5-trichloro-	256	C12H7Cl3	037680-65-2	99		
4	2,2',3-Trichloro-1,1'-biphenyl	256	C12H7Cl3	038444-78-9	99		
5	1,1'-Biphenyl, 2,2',5-trichloro-	256	C12H7Cl3	037680-65-2	99		



Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN020623\
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Operator : CG/JU
Sample : 01362-05ME
Misc :
ALS Vial : 10 Sample Multiplier: 1

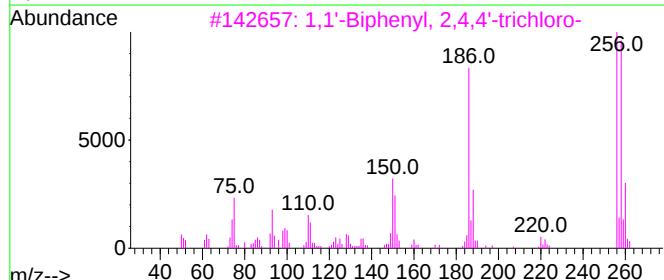
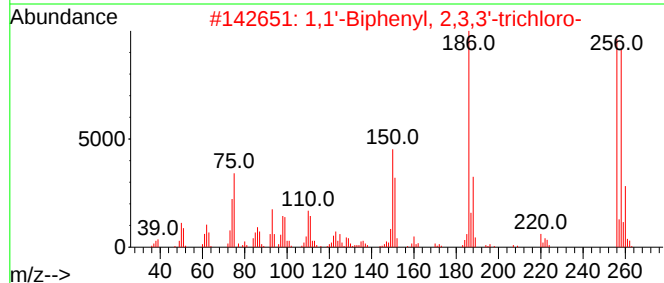
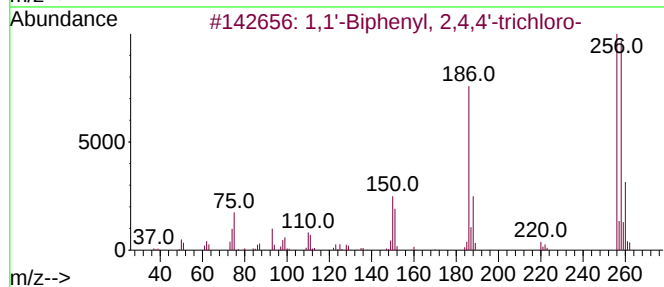
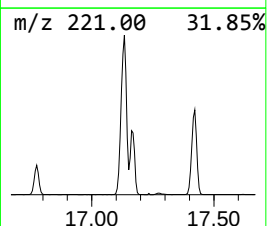
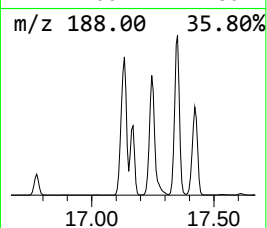
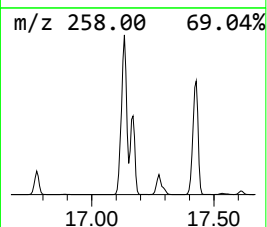
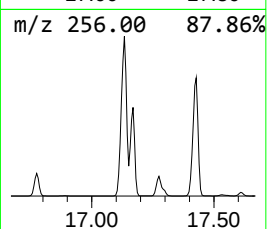
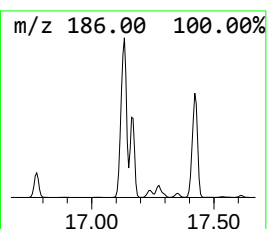
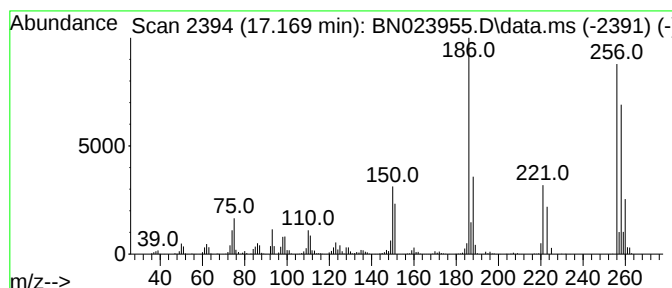
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Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\SFAM-EPA-BN020623.M
Quant Title : SVOA CALIBRATION

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

Peak Number 9 1,1'-Biphenyl, 2,4,4'-trich... Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.	
17.169	21.81 ng/ul	8282840	Phenanthrene-d10	17.245	
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	98
4	1,1'-Biphenyl, 2',3,5-trichloro-	256	C12H7Cl3	037680-68-5	98
5	1,1'-Biphenyl, 2,3,4-trichloro-	256	C12H7Cl3	055702-46-0	98



Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN020623\
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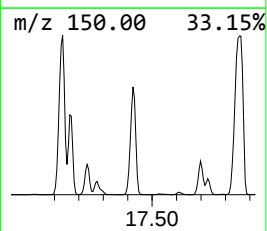
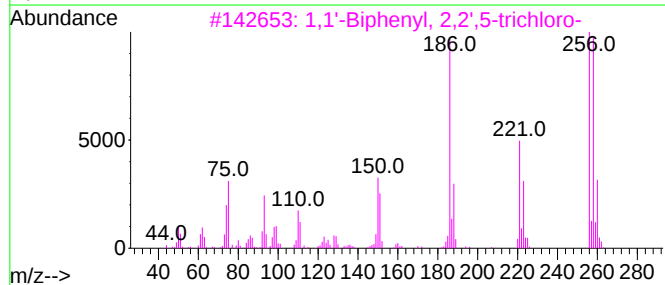
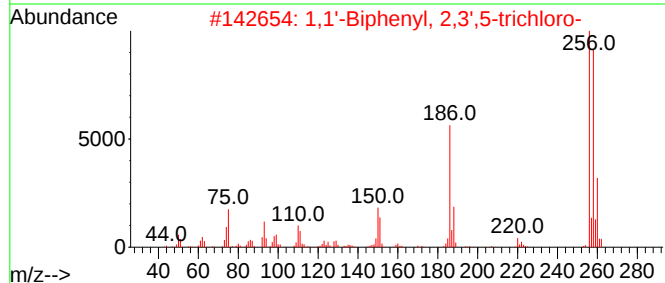
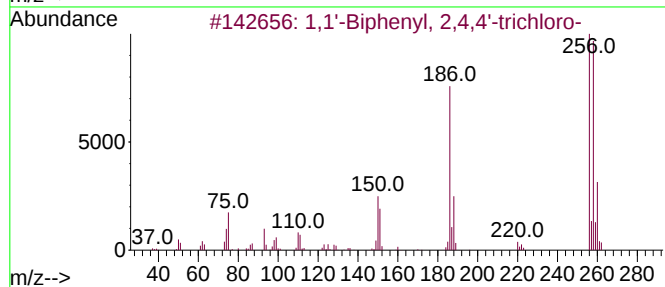
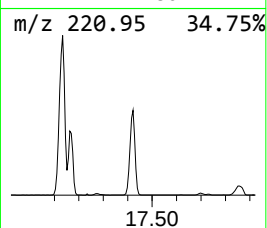
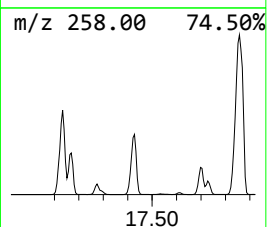
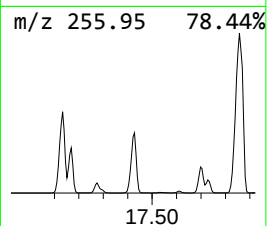
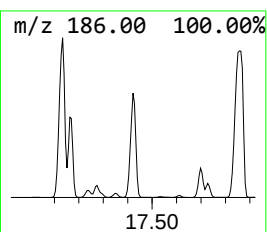
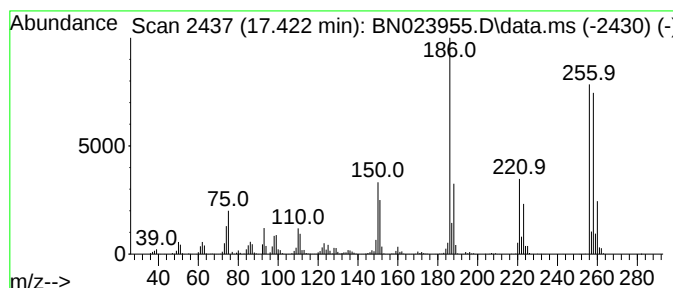
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ClientSampleId :
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Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\SFAM-EPA-BN020623.M
Quant Title : SVOA CALIBRATION

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

Peak Number 10 1,1'-Biphenyl, 2,3',5-trich... Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.	
17.422	36.22 ng/ul	13752100	Phenanthrene-d10	17.245	
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',5-trichloro-	256	C12H7Cl3	038444-81-4	99
3	1,1'-Biphenyl, 2,2',5-trichloro-	256	C12H7Cl3	037680-65-2	99
4	1,1'-Biphenyl, 3,4',5-trichloro-	256	C12H7Cl3	038444-88-1	99
5	1,1'-Biphenyl, 2,2',6-trichloro-	256	C12H7Cl3	038444-73-4	99



Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN020623\
Data File : BN023955.D
Acq On : 06 Feb 2023 16:35
Operator : CG/JU
Sample : 01362-05ME
Misc :
ALS Vial : 10 Sample Multiplier: 1

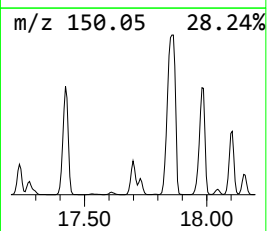
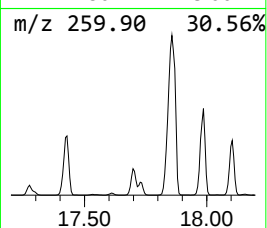
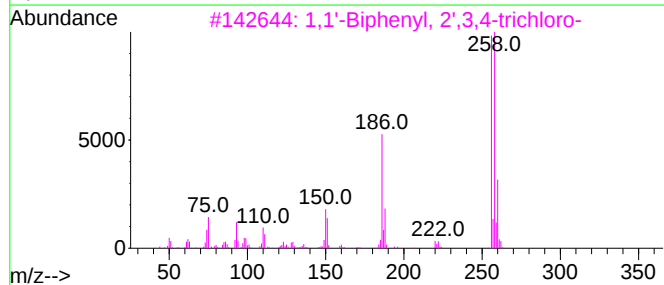
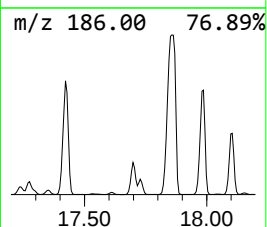
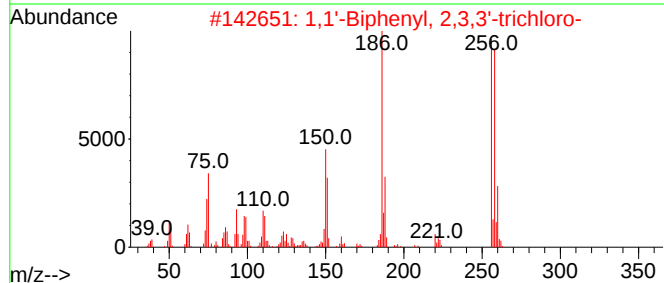
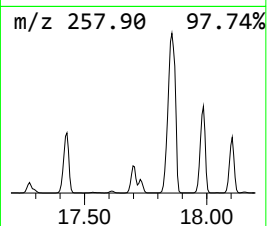
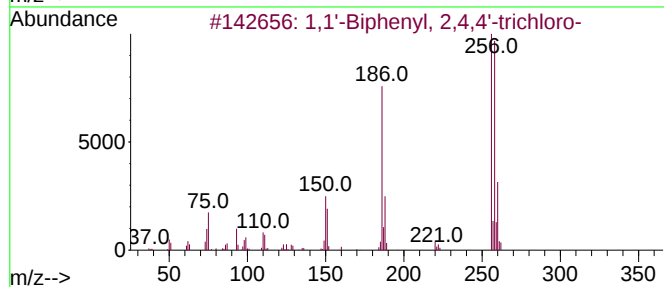
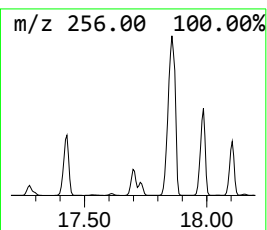
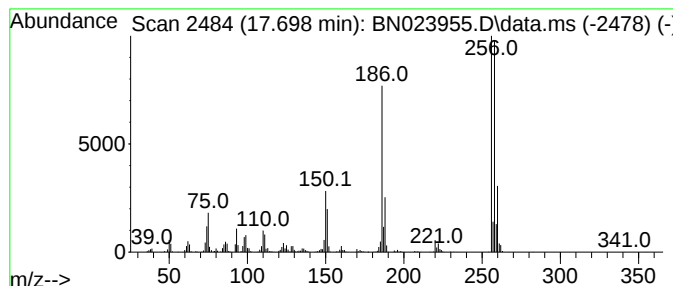
Instrument :
BNA_N
ClientSampleId :
A4443ME

Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\SFAM-EPA-BN020623.M
Quant Title : SVOA CALIBRATION

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

Peak Number 11 1,1'-Biphenyl, 2',3,4-trich... Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.		
17.698	10.70 ng/ul	4062810	Phenanthrene-d10	17.245		
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, 3,4',5-trichloro-	256	C12H7Cl3	038444-88-1	99	



Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN020623\
Data File : BN023955.D
Acq On : 06 Feb 2023 16:35
Operator : CG/JU
Sample : 01362-05ME
Misc :
ALS Vial : 10 Sample Multiplier: 1

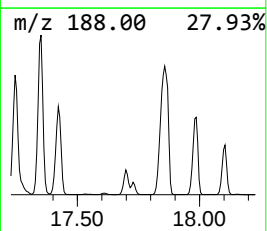
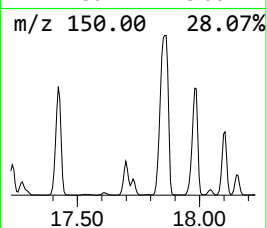
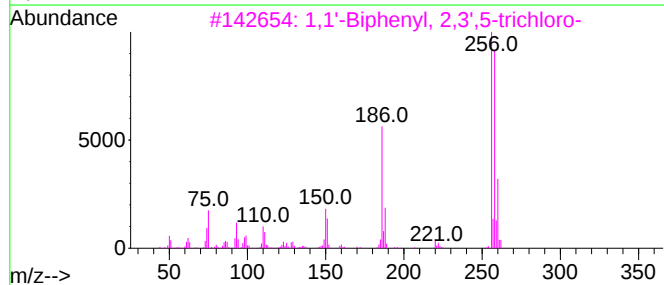
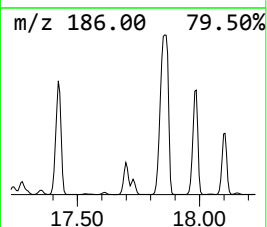
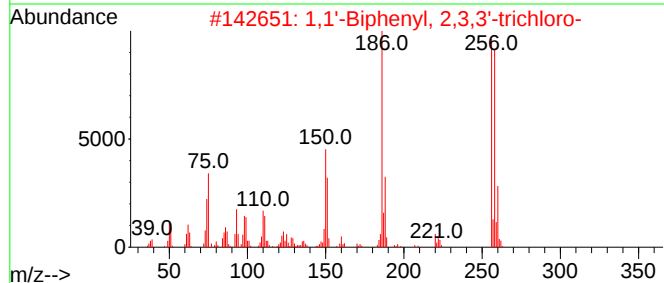
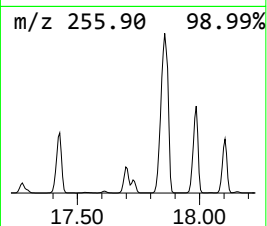
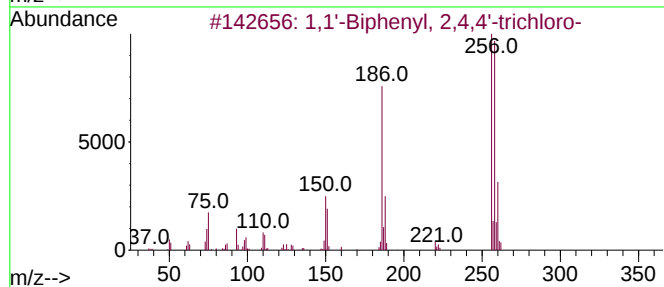
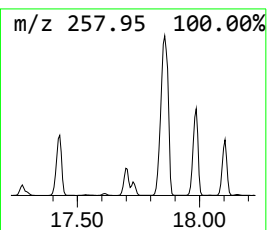
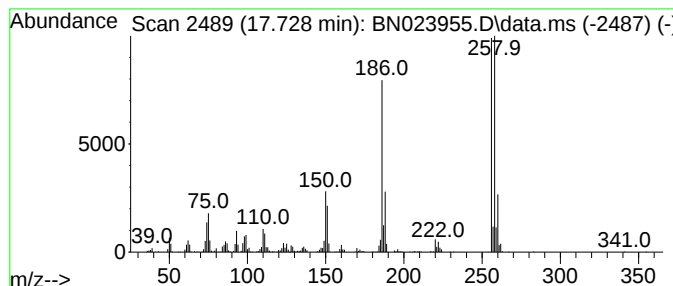
Instrument :
BNA_N
ClientSampleId :
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Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\SFAM-EPA-BN020623.M
Quant Title : SVOA CALIBRATION

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

Peak Number 12 1,1'-Biphenyl, 3,3',5-trich... Concentration Rank 28

R.T.	EstConc	Area	Relative to ISTD	R.T.	
17.728	4.28 ng/ul	1626490	Phenanthrene-d10	17.245	
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, 3,3',5-trichloro-	256	C12H7Cl3	038444-87-0	99
5	1,1'-Biphenyl, 3,4',5-trichloro-	256	C12H7Cl3	038444-88-1	99



Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN020623\
Data File : BN023955.D
Acq On : 06 Feb 2023 16:35
Operator : CG/JU
Sample : 01362-05ME
Misc :
ALS Vial : 10 Sample Multiplier: 1

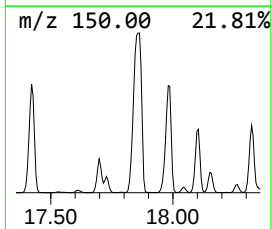
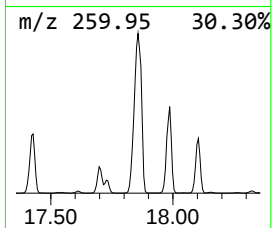
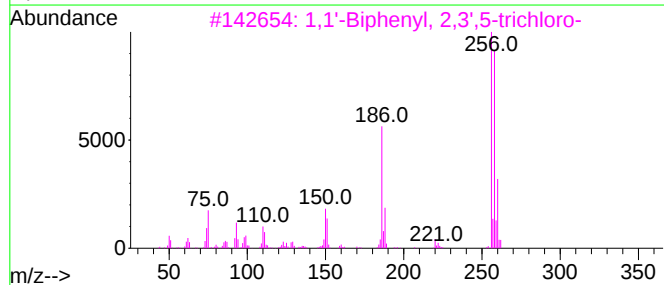
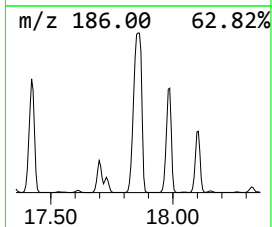
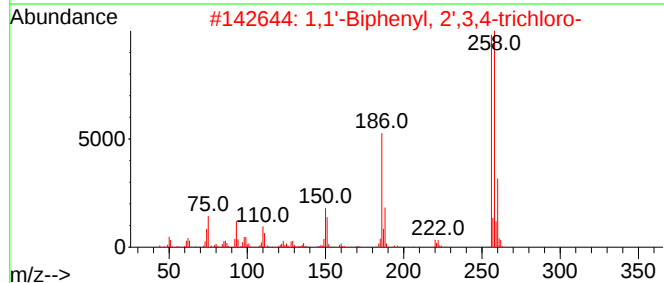
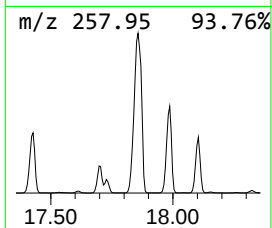
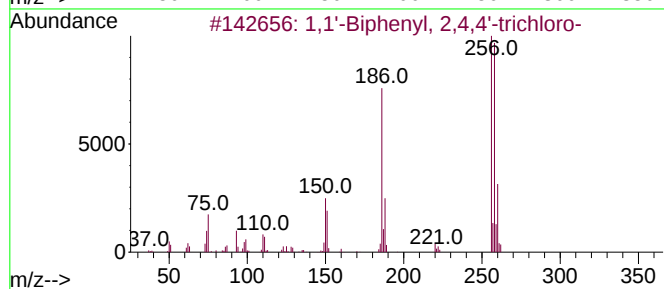
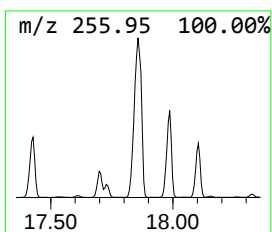
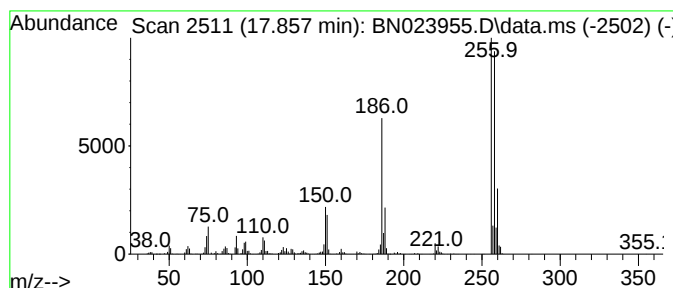
Instrument :
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ClientSampleId :
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Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\SFAM-EPA-BN020623.M
Quant Title : SVOA CALIBRATION

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

Peak Number 13 1,1'-Biphenyl, 3,4',5-trich... Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.	
17.857	90.42 ng/ul	34330800	Phenanthrene-d10	17.245	
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	038444-86-9	99
3	1,1'-Biphenyl, 2,3',5-trichloro-	256	C12H7Cl3	038444-81-4	99
4	1,1'-Biphenyl, 3,4',5-trichloro-	256	C12H7Cl3	038444-88-1	99
5	1,1'-Biphenyl, 2,3,3'-trichloro-	256	C12H7Cl3	038444-84-7	99



Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN020623\
Data File : BN023955.D
Acq On : 06 Feb 2023 16:35
Operator : CG/JU
Sample : 01362-05ME
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
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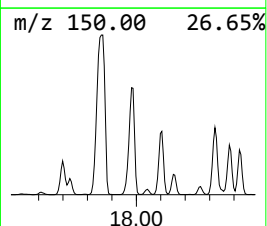
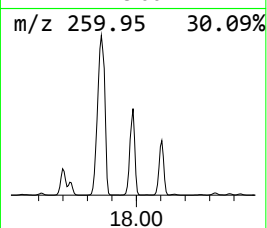
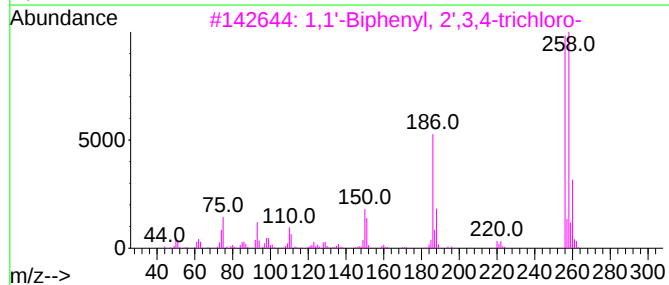
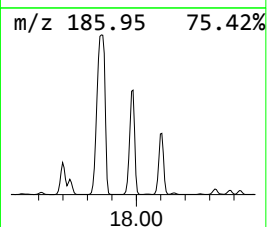
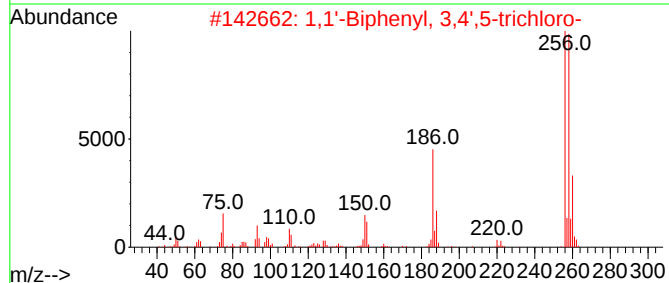
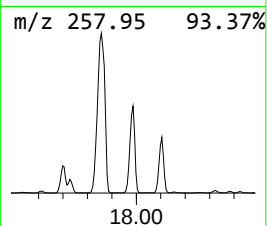
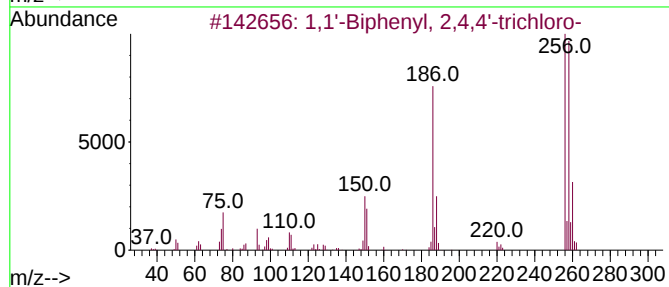
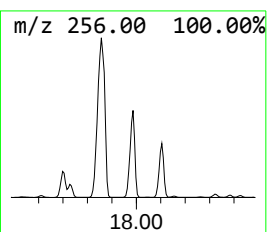
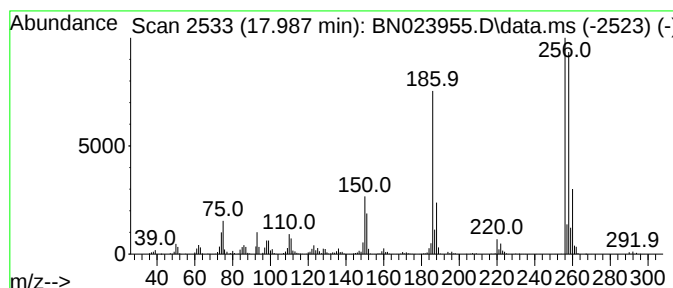
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Quant Title : SVOA CALIBRATION

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

Peak Number 14 unknown-01 Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.986	40.74 ng/ul	15470000	Phenanthrene-d10	17.245

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',3,4-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, 2,3,3'-trichloro-	256	C12H7Cl3	038444-84-7	99	



Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN020623\
Data File : BN023955.D
Acq On : 06 Feb 2023 16:35
Operator : CG/JU
Sample : 01362-05ME
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
A4443ME

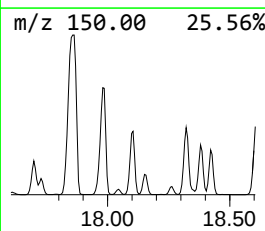
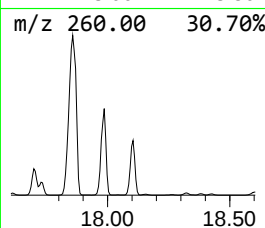
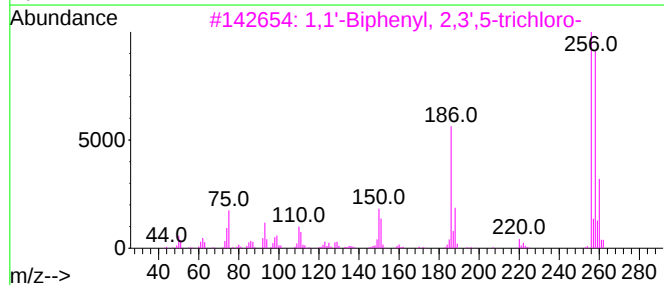
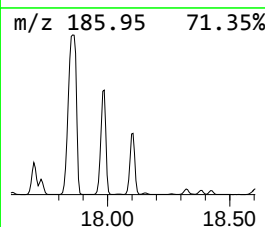
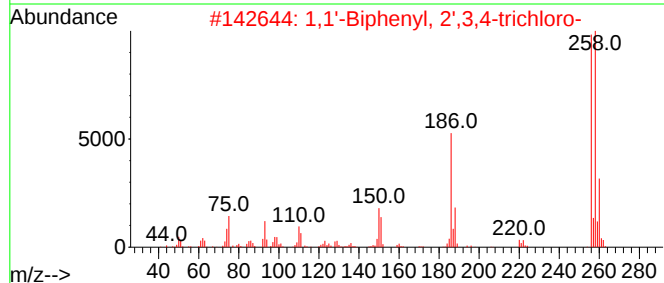
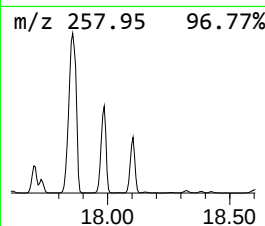
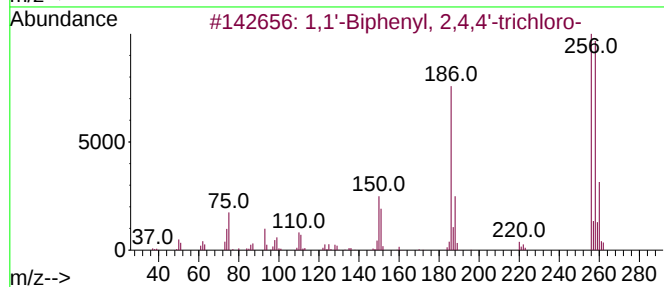
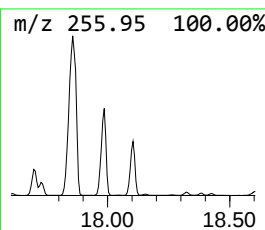
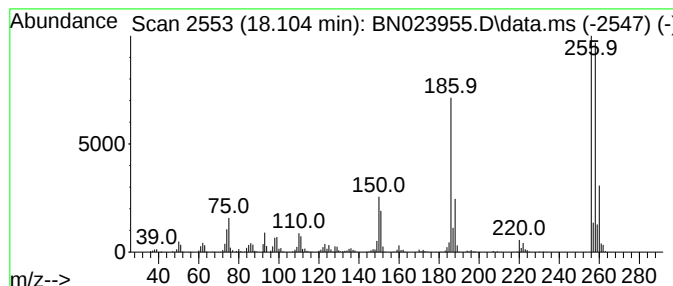
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Quant Title : SVOA CALIBRATION

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

Peak Number 16 unknown-02 Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.104	20.66 ng/ul	7845260	Phenanthrene-d10	17.245

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	038444-86-9	99		
3	1,1'-Biphenyl, 2,3',5-trichloro-	256	C12H7Cl3	038444-81-4	99		
4	1,1'-Biphenyl, 3,4',5-trichloro-	256	C12H7Cl3	038444-88-1	99		
5	1,1'-Biphenyl, 2,3,3'-trichloro-	256	C12H7Cl3	038444-84-7	99		



Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN020623\
Data File : BN023955.D
Acq On : 06 Feb 2023 16:35
Operator : CG/JU
Sample : 01362-05ME
Misc :
ALS Vial : 10 Sample Multiplier: 1

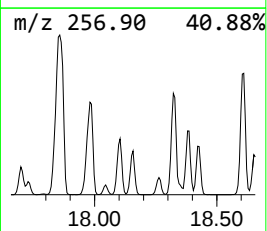
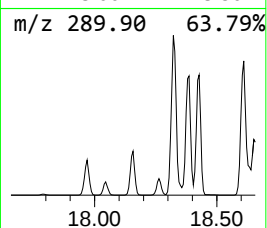
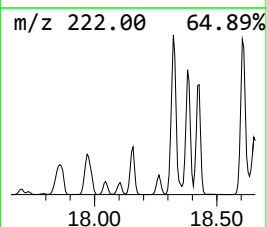
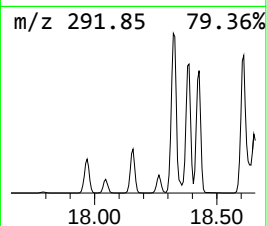
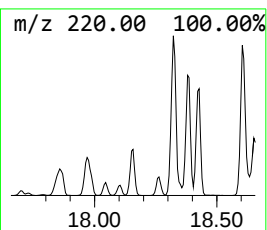
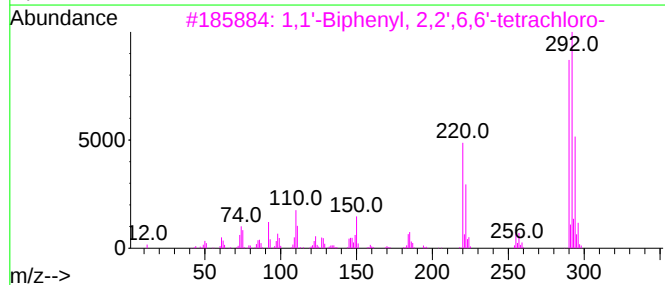
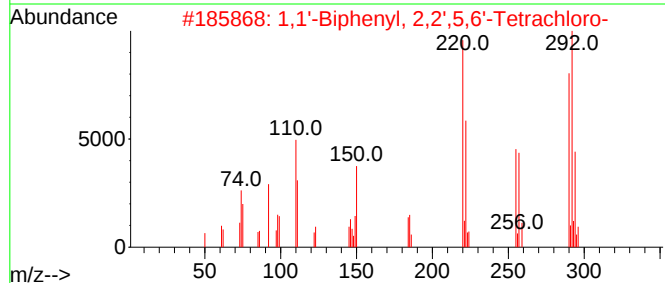
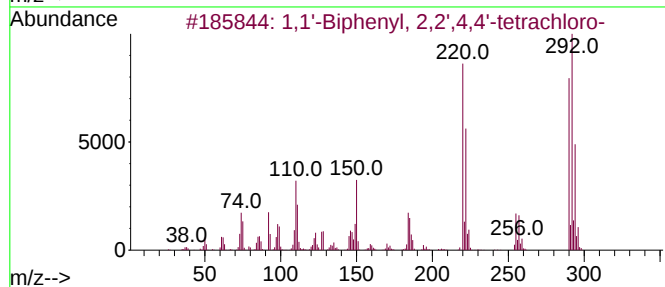
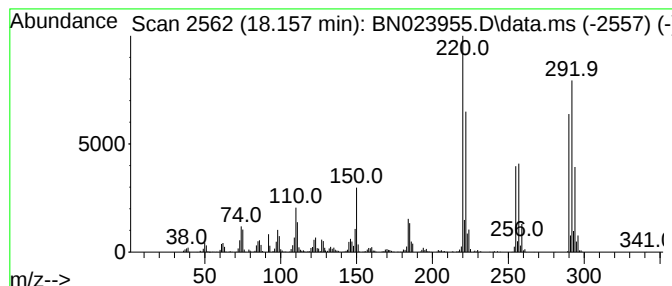
Instrument :
BNA_N
ClientSampleId :
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Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\SFAM-EPA-BN020623.M
Quant Title : SVOA CALIBRATION

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

Peak Number 17 1,1'-Biphenyl, 2,2',4,4'-te... Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.	
18.157	7.98 ng/ul	3028760	Phenanthrene-d10	17.245	
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',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',6,6'-tetrach...	290	C12H6Cl4	015968-05-5	99
5	1,1'-Biphenyl, 2,3',5,5'-tetrach...	290	C12H6Cl4	041464-42-0	99



Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN020623\
Data File : BN023955.D
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Operator : CG/JU
Sample : 01362-05ME
Misc :
ALS Vial : 10 Sample Multiplier: 1

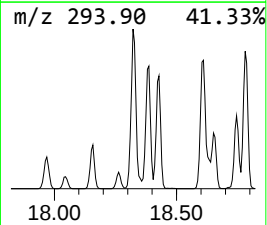
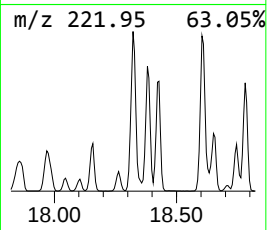
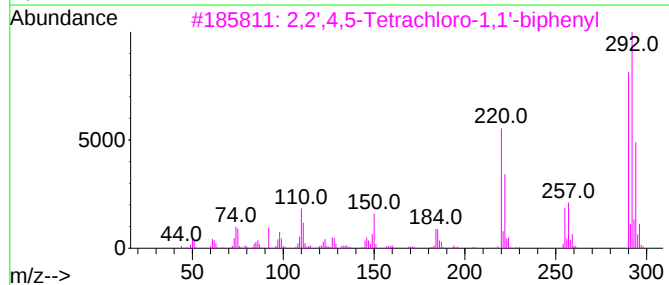
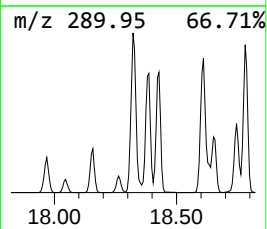
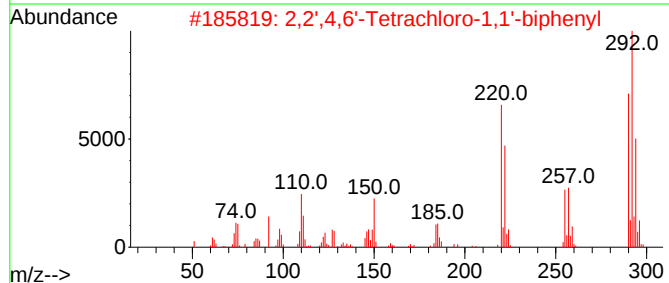
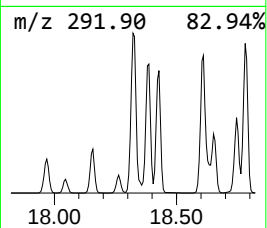
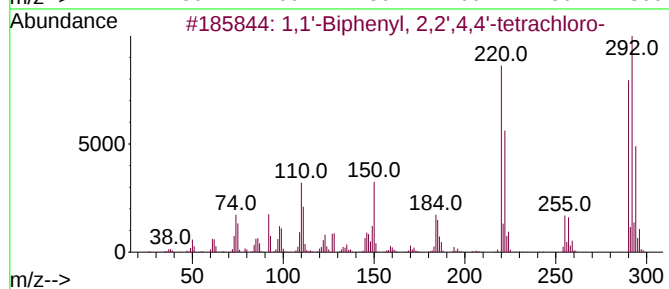
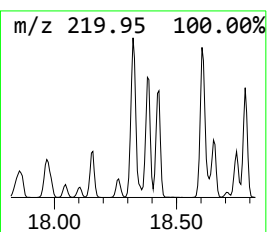
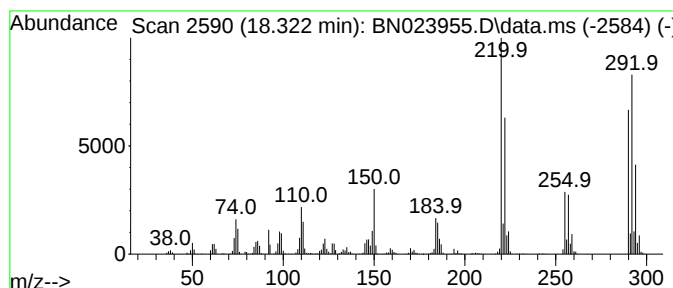
Instrument :
BNA_N
ClientSampleId :
A4443ME

Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\SFAM-EPA-BN020623.M
Quant Title : SVOA CALIBRATION

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

Peak Number 19 2,2',4,6'-Tetrachloro-1,1'-... Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.		
18.322	27.46 ng/ul	10427000	Phenanthrene-d10	17.245		
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',4,5-Tetrachloro-1,1'-biphenyl	290	C12H6Cl4	070362-47-9	99
4		1,1'-Biphenyl, 2,2',4,4'-tetrach...	290	C12H6Cl4	002437-79-8	99
5		2,2',4,5-Tetrachloro-1,1'-biphenyl	290	C12H6Cl4	070362-47-9	99



Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN020623\
Data File : BN023955.D
Acq On : 06 Feb 2023 16:35
Operator : CG/JU
Sample : 01362-05ME
Misc :
ALS Vial : 10 Sample Multiplier: 1

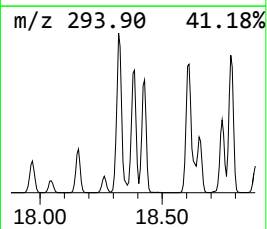
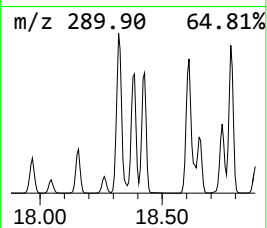
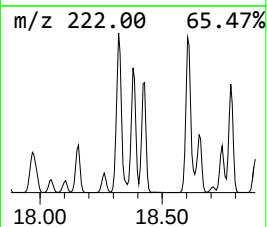
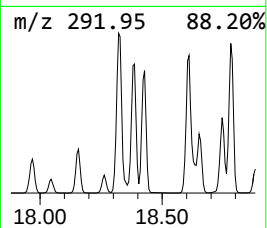
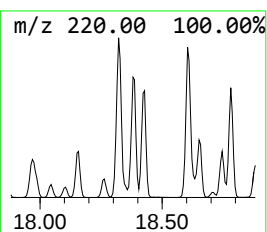
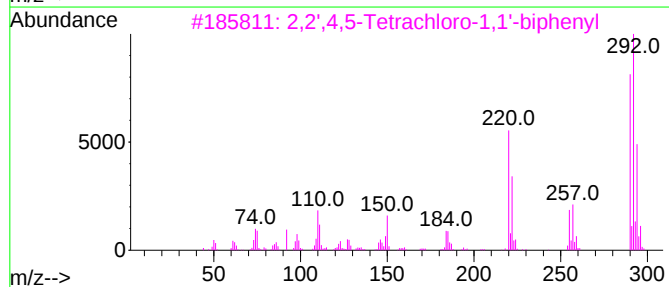
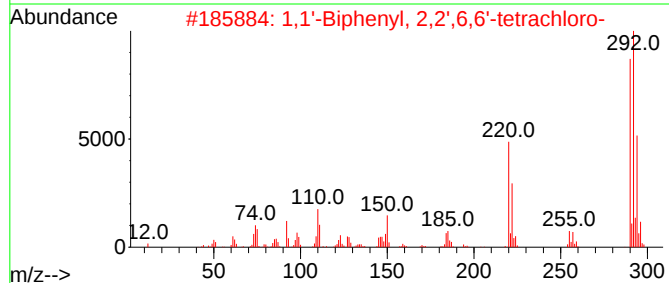
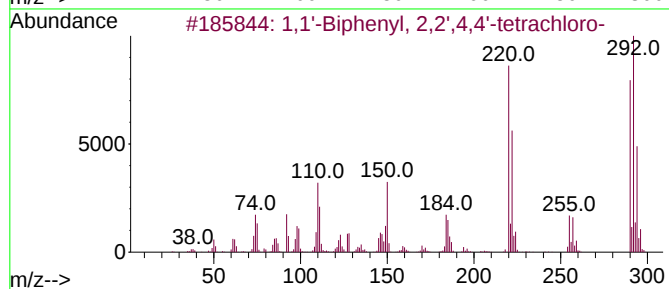
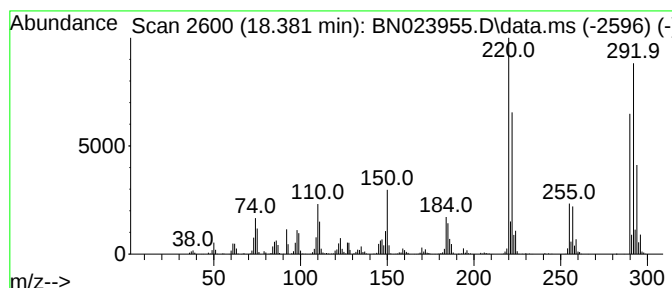
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ClientSampleId :
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Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\SFAM-EPA-BN020623.M
Quant Title : SVOA CALIBRATION

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

Peak Number 20 1,1'-Biphenyl, 2,2',6,6'-te... Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.		
18.381	19.35 ng/ul	7346980	Phenanthrene-d10	17.245		
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',6,6'-tetrach...	290	C12H6Cl4	015968-05-5	99
3		2,2',4,5-Tetrachloro-1,1'-biphenyl	290	C12H6Cl4	070362-47-9	99
4		2,2',4,5-Tetrachloro-1,1'-biphenyl	290	C12H6Cl4	070362-47-9	99
5		1,1'-Biphenyl, 2,2',4,4'-tetrach...	290	C12H6Cl4	002437-79-8	99



Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN020623\
Data File : BN023955.D
Acq On : 06 Feb 2023 16:35
Operator : CG/JU
Sample : 01362-05ME
Misc :
ALS Vial : 10 Sample Multiplier: 1

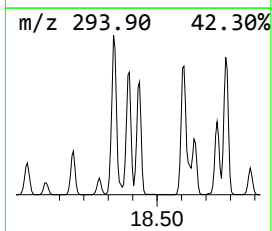
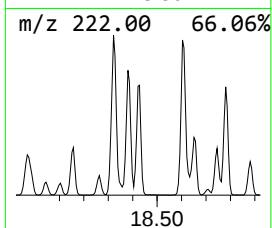
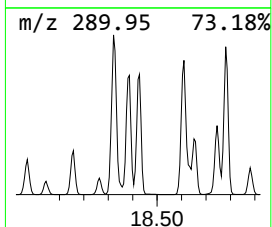
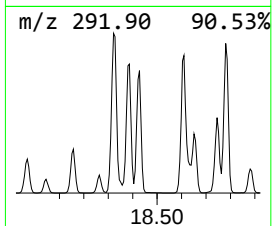
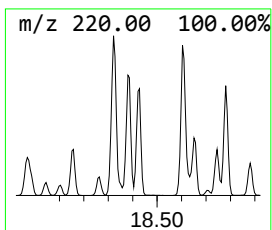
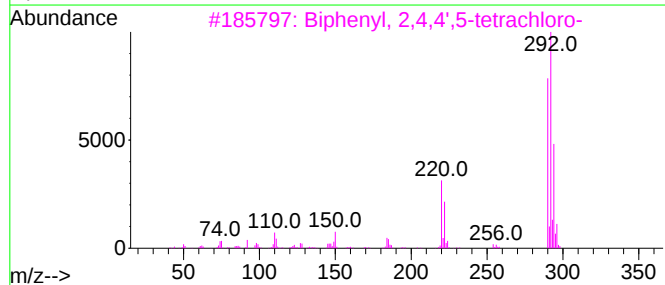
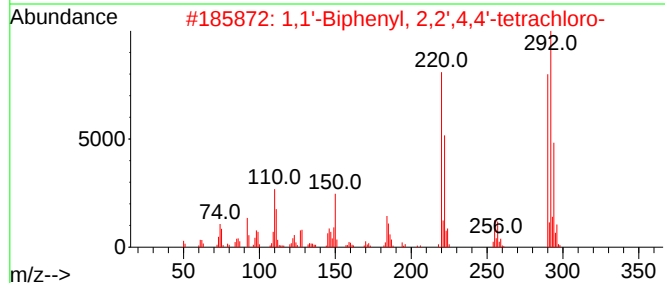
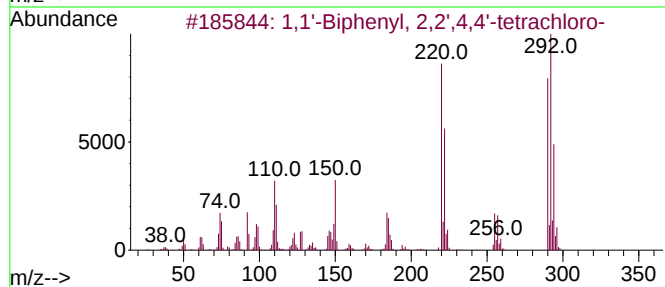
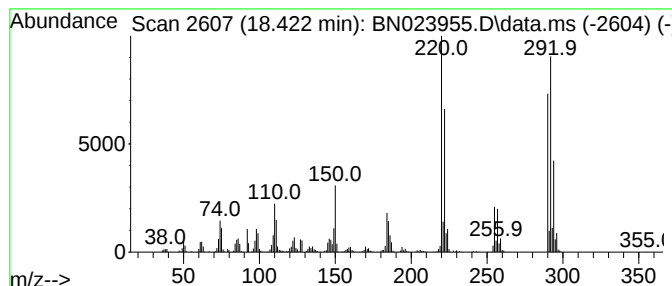
Instrument :
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ClientSampleId :
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Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\SFAM-EPA-BN020623.M
Quant Title : SVOA CALIBRATION

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

Peak Number 21 Biphenyl, 2,4,4',5-tetrachl... Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD		R.T.	
18.422	16.28 ng/ul	6182080	Phenanthrene-d10		17.245	
Hit#	of 5	Tentative ID	MW	MolForm	CAS#	Qual
1		1,1'-Biphenyl, 2,2',4,4'-tetrachloro-	290	C12H6Cl4	002437-79-8	99
2		1,1'-Biphenyl, 2,2',4,4'-tetrachloro-	290	C12H6Cl4	002437-79-8	99
3		Biphenyl, 2,4,4',5-tetrachloro-	290	C12H6Cl4	032690-93-0	99
4		1,1'-Biphenyl, 2,2',6,6'-tetrachloro-	290	C12H6Cl4	015968-05-5	99
5		2,3',4,5'-Tetrachloro-1,1'-biphenyl	290	C12H6Cl4	073575-52-7	99



Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN020623\
Data File : BN023955.D
Acq On : 06 Feb 2023 16:35
Operator : CG/JU
Sample : 01362-05ME
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
A4443ME

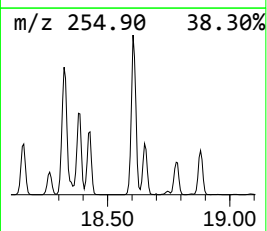
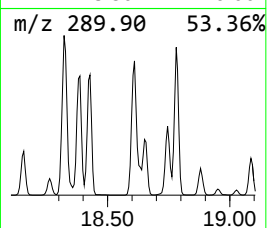
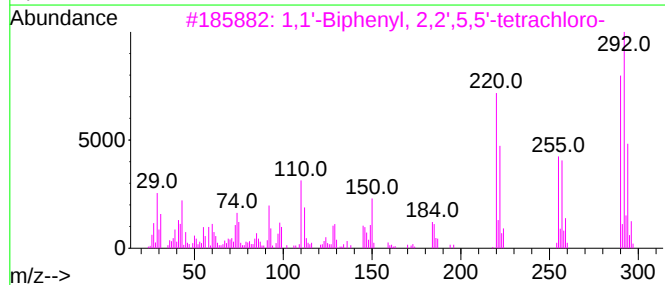
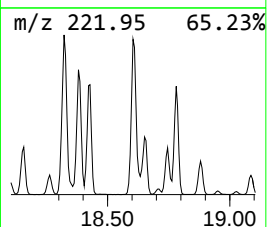
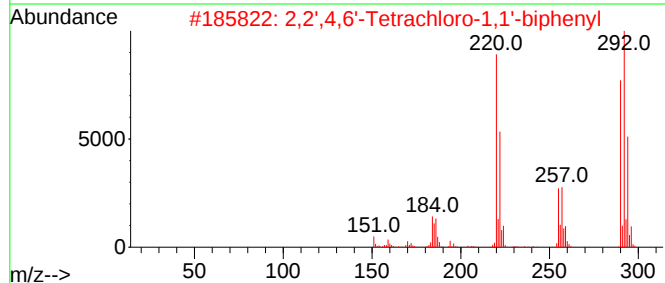
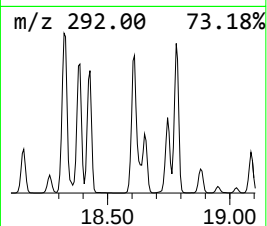
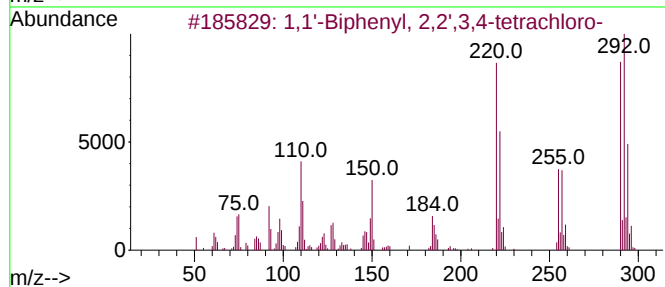
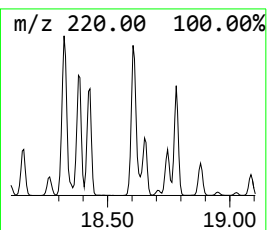
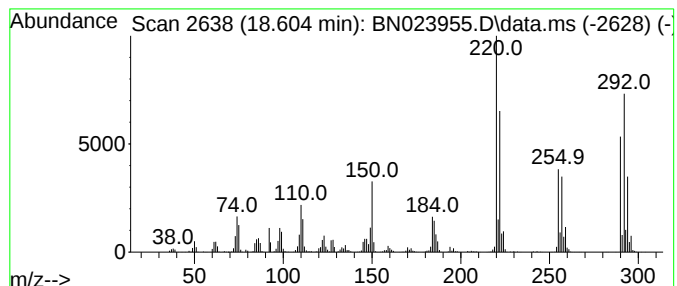
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Quant Title : SVOA CALIBRATION

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

Peak Number 22 1,1'-Biphenyl, 2,2',3,4-tet... Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.604	27.05 ng/ul	10269300	Phenanthrene-d10	17.245

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	2,2',4,6'-Tetrachloro-1,1'-biphenyl	290	C12H6Cl4	068194-04-7	99		
3	1,1'-Biphenyl, 2,2',5,5'-tetrach...	290	C12H6Cl4	035693-99-3	99		
4	1,1'-Biphenyl, 2,2',5,6'-Tetrach...	290	C12H6Cl4	041464-41-9	99		
5	1,1'-Biphenyl, 2,2',4,4'-tetrach...	290	C12H6Cl4	002437-79-8	99		



Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN020623\
Data File : BN023955.D
Acq On : 06 Feb 2023 16:35
Operator : CG/JU
Sample : 01362-05ME
Misc :
ALS Vial : 10 Sample Multiplier: 1

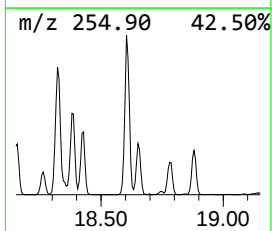
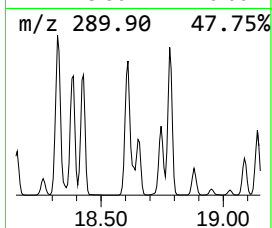
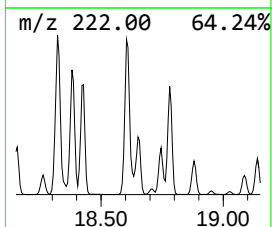
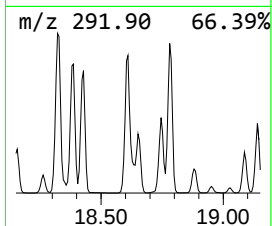
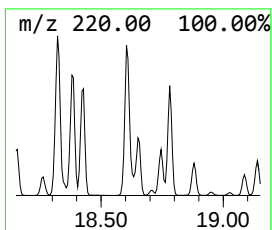
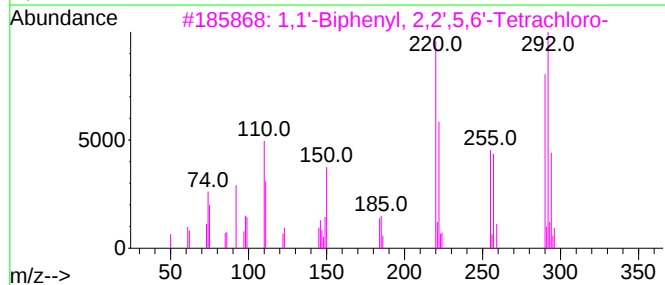
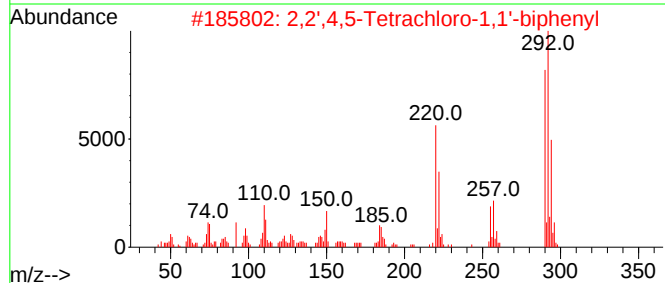
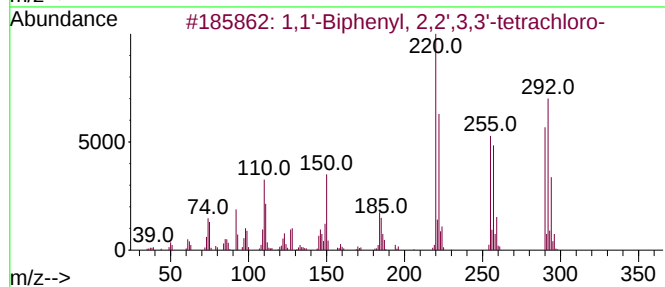
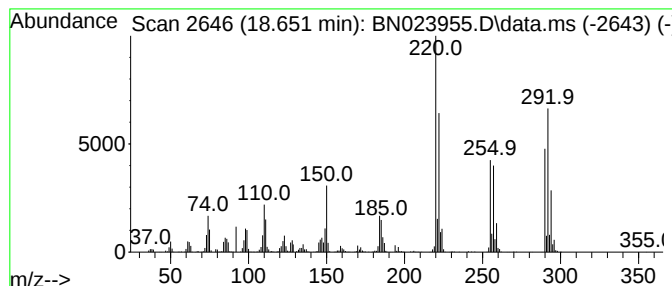
Instrument :
BNA_N
ClientSampleId :
A4443ME

Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\SFAM-EPA-BN020623.M
Quant Title : SVOA CALIBRATION

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

Peak Number 23 1,1'-Biphenyl, 2,2',3,3'-te... Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.		
18.651	9.13 ng/ul	3467300	Phenanthrene-d10	17.245		
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',4,5-Tetrachloro-1,1'-biphenyl	290	C12H6Cl4	070362-47-9	99	
3	1,1'-Biphenyl, 2,2',5,6'-Tetrach...	290	C12H6Cl4	041464-41-9	99	
4	1,1'-Biphenyl, 2,2',5,5'-tetrach...	290	C12H6Cl4	035693-99-3	99	
5	1,1'-Biphenyl, 2,2',4,6-Tetrachl...	290	C12H6Cl4	062796-65-0	99	



Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN020623\
Data File : BN023955.D
Acq On : 06 Feb 2023 16:35
Operator : CG/JU
Sample : 01362-05ME
Misc :
ALS Vial : 10 Sample Multiplier: 1

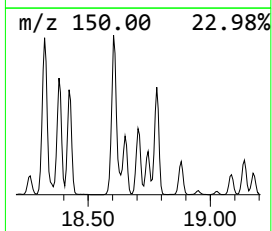
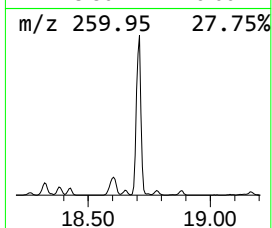
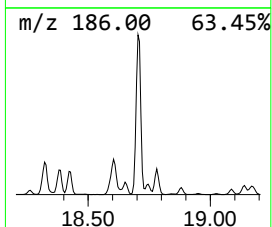
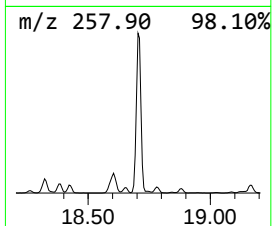
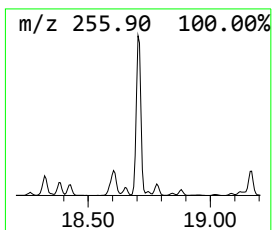
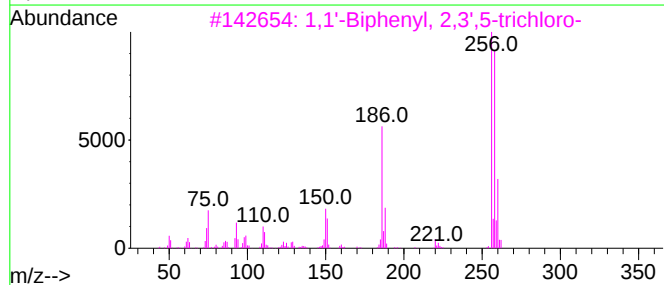
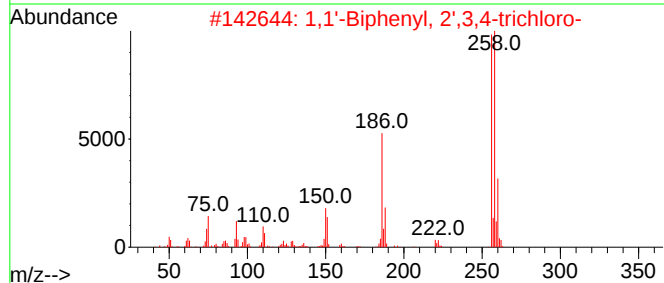
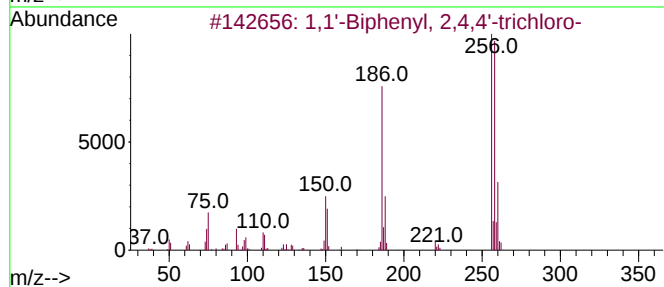
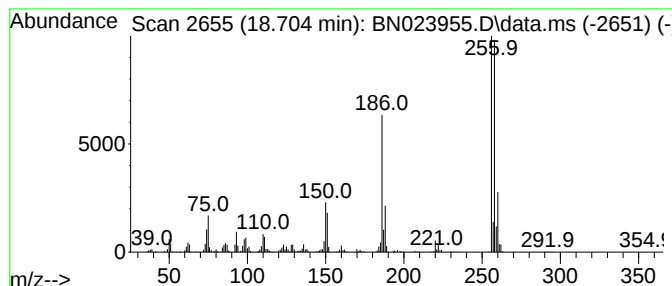
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ClientSampleId :
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Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\SFAM-EPA-BN020623.M
Quant Title : SVOA CALIBRATION

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

Peak Number 24 unknown-03 Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.		
18.704	10.04 ng/ul	3810790	Phenanthrene-d10	17.245		
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	038444-86-9	99
3		1,1'-Biphenyl, 2,3',5-trichloro-	256	C12H7Cl3	038444-81-4	99
4		1,1'-Biphenyl, 2,4,4'-trichloro-	256	C12H7Cl3	007012-37-5	99
5		1,1'-Biphenyl, 2,3,3'-trichloro-	256	C12H7Cl3	038444-84-7	99



Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN020623\
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Operator : CG/JU
Sample : 01362-05ME
Misc :
ALS Vial : 10 Sample Multiplier: 1

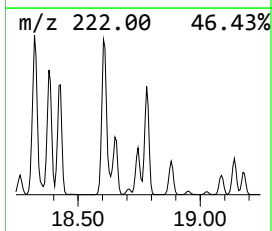
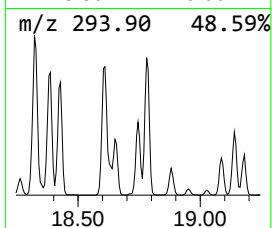
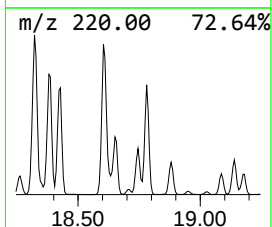
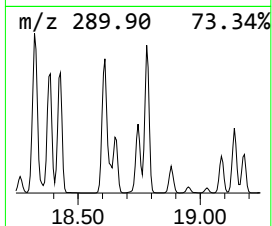
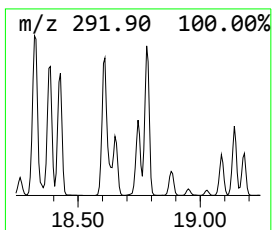
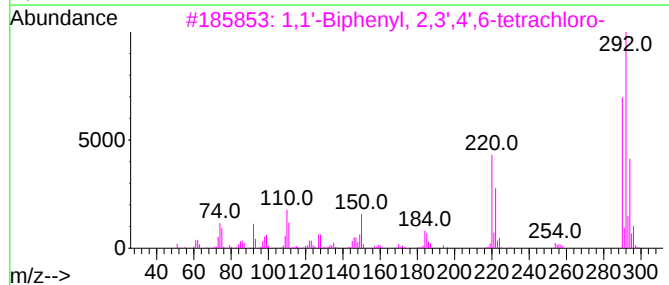
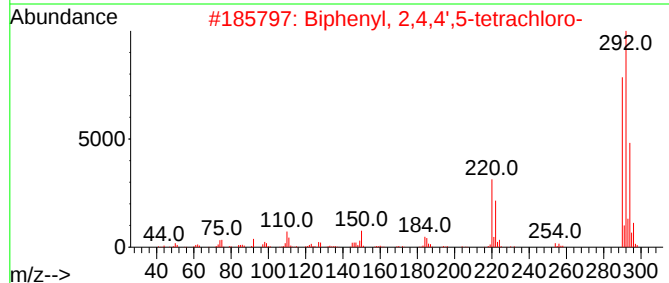
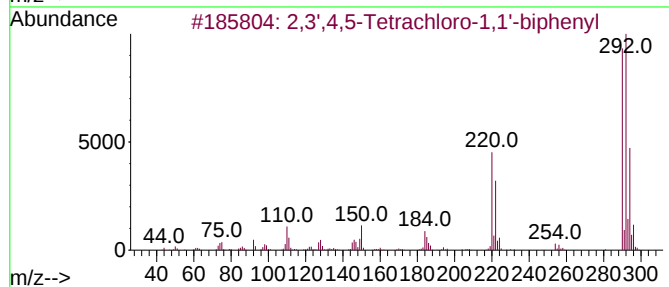
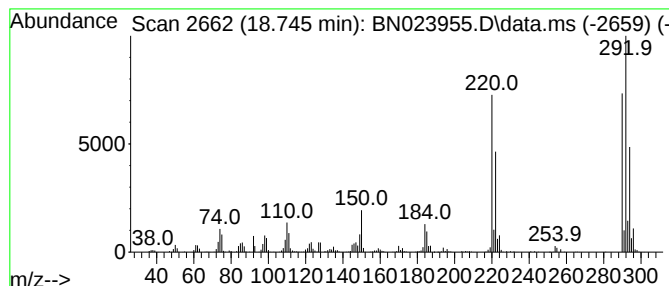
Instrument :
BNA_N
ClientSampleId :
A4443ME

Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\SFAM-EPA-BN020623.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 20

R.T.	EstConc	Area	Relative to ISTD	R.T.	
18.745	7.88 ng/ul	2992400	Phenanthrene-d10	17.245	
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	Biphenyl, 2,4,4',5-tetrachloro-	290	C12H6Cl4	032690-93-0	99
3	1,1'-Biphenyl, 2,3',4',6-tetrachloro-	290	C12H6Cl4	041464-46-4	99
4	1,1'-Biphenyl, 2,3,4,4'-tetrachloro-	290	C12H6Cl4	033025-41-1	99
5	1,1'-Biphenyl, 2,2',6,6'-tetrachloro-	290	C12H6Cl4	015968-05-5	99



Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN020623\
Data File : BN023955.D
Acq On : 06 Feb 2023 16:35
Operator : CG/JU
Sample : 01362-05ME
Misc :
ALS Vial : 10 Sample Multiplier: 1

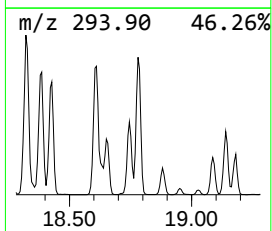
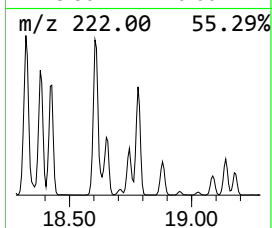
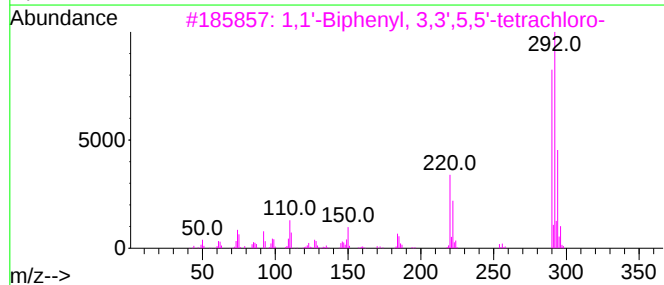
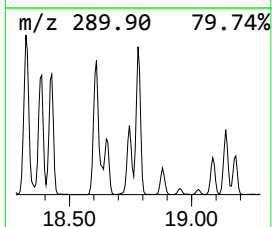
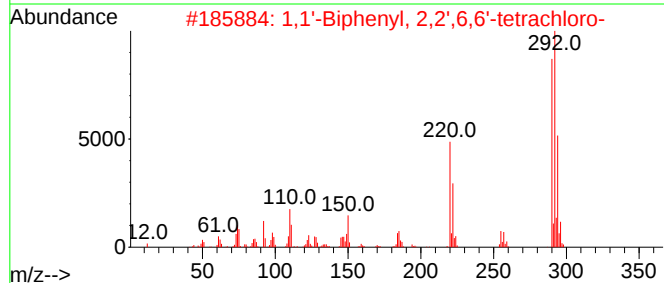
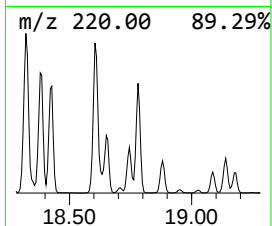
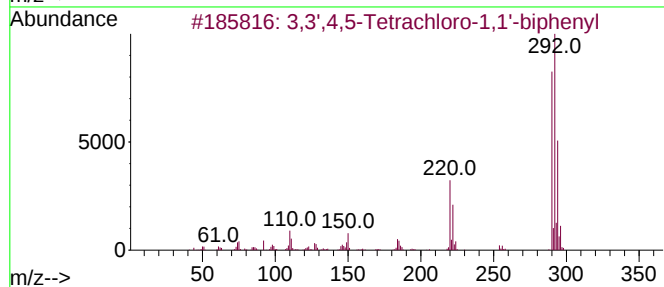
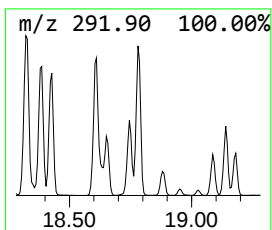
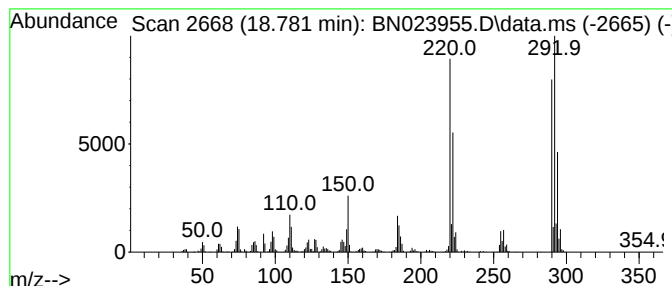
Instrument :
BNA_N
ClientSampleId :
A4443ME

Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\SFAM-EPA-BN020623.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 12

R.T.	EstConc	Area	Relative to ISTD	R.T.		
18.781	16.83 ng/ul	6388690	Phenanthrene-d10	17.245		
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	1,1'-Biphenyl, 2,2',6,6'-tetrach...	290	C12H6Cl4		015968-05-5	99
3	1,1'-Biphenyl, 3,3',5,5'-tetrach...	290	C12H6Cl4		033284-52-5	99
4	1,1'-Biphenyl, 2,3,4,4'-tetrachl...	290	C12H6Cl4		033025-41-1	99
5	1,1'-Biphenyl, 2,3',4',6-tetrach...	290	C12H6Cl4		041464-46-4	99



Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN020623\
Data File : BN023955.D
Acq On : 06 Feb 2023 16:35
Operator : CG/JU
Sample : 01362-05ME
Misc :
ALS Vial : 10 Sample Multiplier: 1

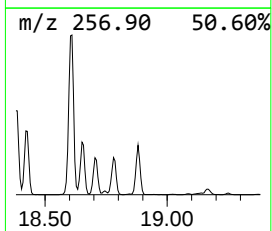
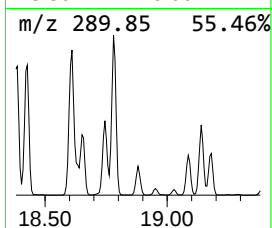
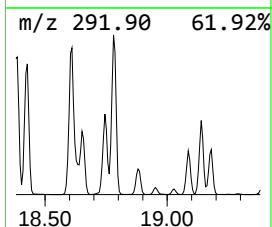
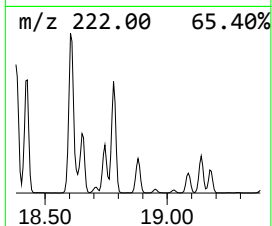
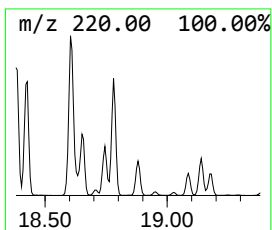
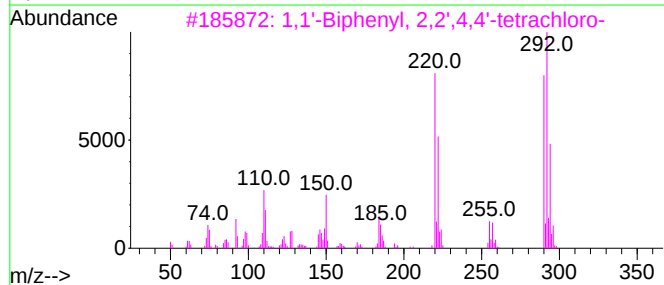
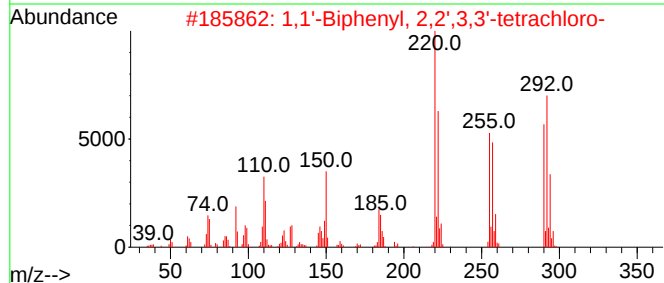
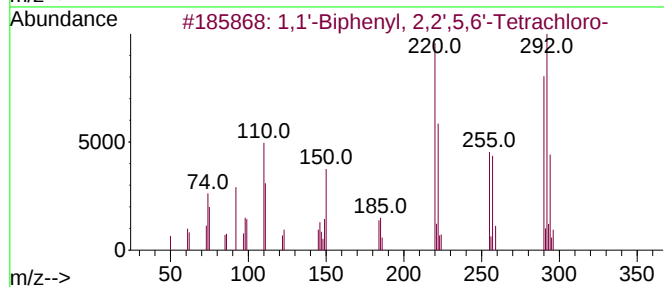
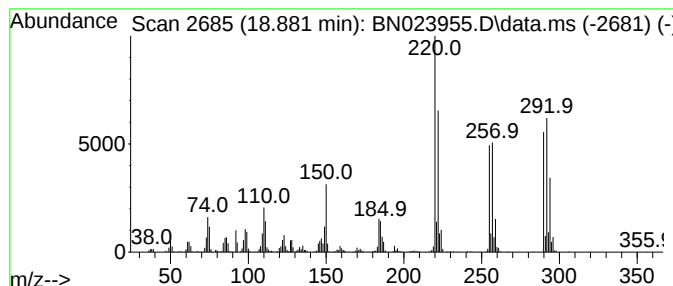
Instrument :
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ClientSampleId :
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Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\SFAM-EPA-BN020623.M
Quant Title : SVOA CALIBRATION

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

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

R.T.	EstConc	Area	Relative to ISTD	R.T.		
18.881	5.01 ng/ul	1902840	Phenanthrene-d10	17.245		
Hit#	of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,1'-Biphenyl, 2,2',5,6'-Tetrach...	290	C12H6Cl4		041464-41-9	99
2	1,1'-Biphenyl, 2,2',3,3'-tetrach...	290	C12H6Cl4		038444-93-8	99
3	1,1'-Biphenyl, 2,2',4,4'-tetrach...	290	C12H6Cl4		002437-79-8	99
4	2,2',4,5-Tetrachloro-1,1'-biphenyl	290	C12H6Cl4		070362-47-9	99
5	1,1'-Biphenyl, 2,2',4,4'-tetrach...	290	C12H6Cl4		002437-79-8	99



Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN020623\
Data File : BN023955.D
Acq On : 06 Feb 2023 16:35
Operator : CG/JU
Sample : 01362-05ME
Misc :
ALS Vial : 10 Sample Multiplier: 1

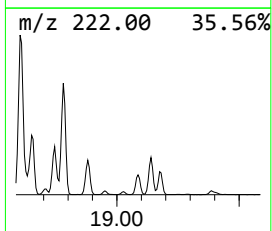
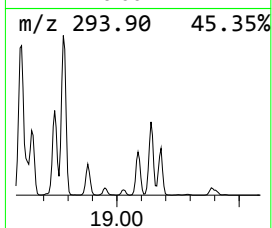
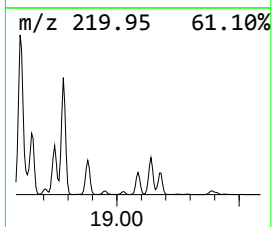
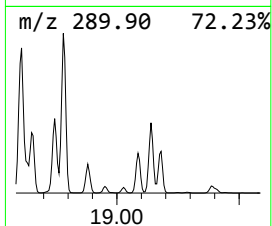
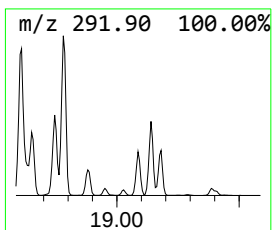
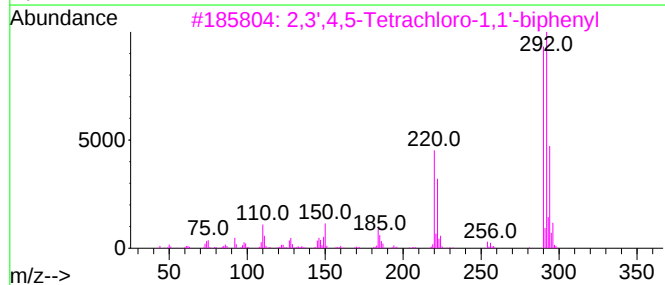
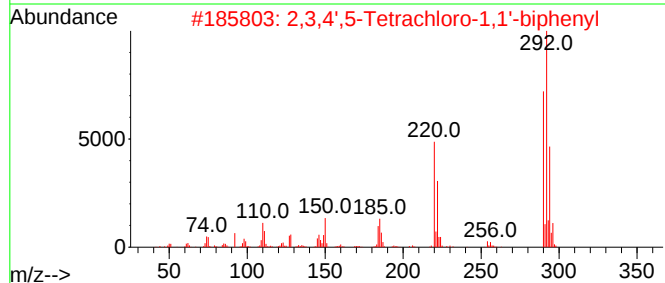
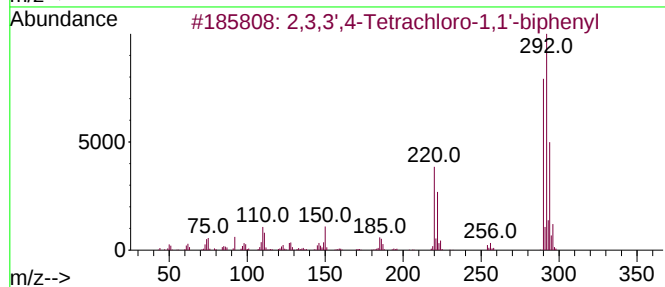
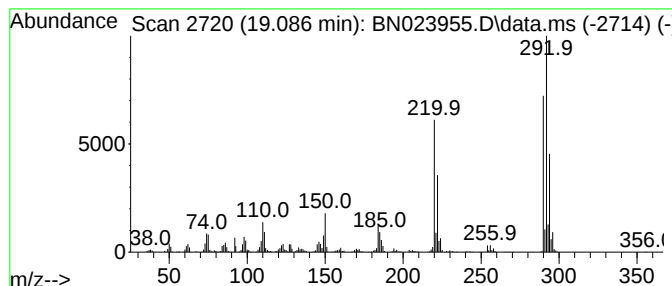
Instrument :
BNA_N
ClientSampleId :
A4443ME

Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\SFAM-EPA-BN020623.M
Quant Title : SVOA CALIBRATION

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

Peak Number 28 2,3,3',4-Tetrachloro-1,1'-b... Concentration Rank 30

R.T.	EstConc	Area	Relative to ISTD	R.T.	
19.087	3.88 ng/ul	1474250	Phenanthrene-d10	17.245	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2,3,3',4-Tetrachloro-1,1'-biphenyl	290	C12H6Cl4	074338-24-2	99
2	2,3,4',5-Tetrachloro-1,1'-biphenyl	290	C12H6Cl4	074472-34-7	99
3	2,3',4,5-Tetrachloro-1,1'-biphenyl	290	C12H6Cl4	073575-53-8	99
4	2,3',5',6-Tetrachloro-1,1'-biphenyl	290	C12H6Cl4	074338-23-1	99
5	1,1'-Biphenyl, 2,2',6,6'-tetrach...	290	C12H6Cl4	015968-05-5	99



Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN020623\
Data File : BN023955.D
Acq On : 06 Feb 2023 16:35
Operator : CG/JU
Sample : 01362-05ME
Misc :
ALS Vial : 10 Sample Multiplier: 1

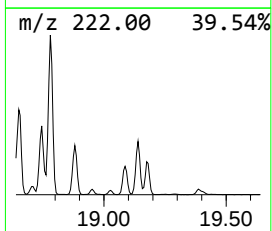
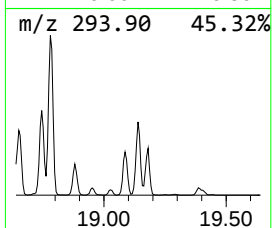
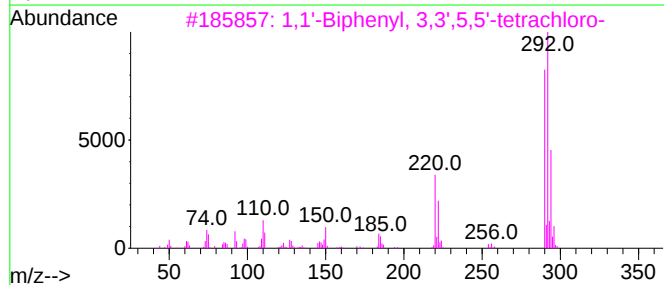
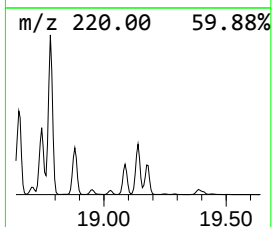
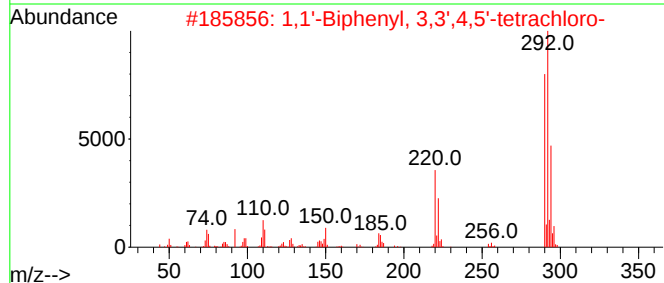
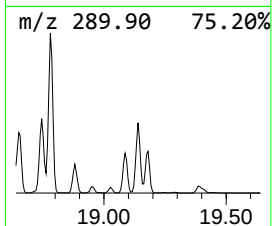
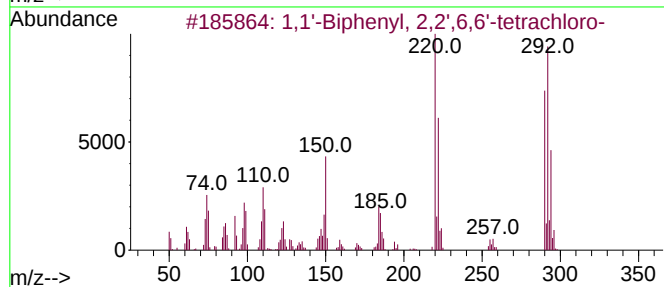
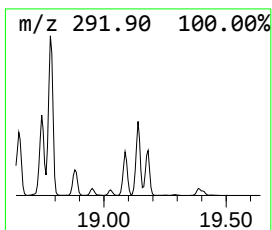
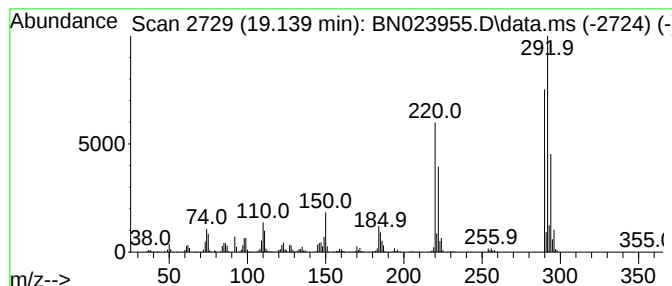
Instrument :
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ClientSampleId :
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Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\SFAM-EPA-BN020623.M
Quant Title : SVOA CALIBRATION

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

Peak Number 29 1,1'-Biphenyl, 3,3',4,5'-te... Concentration Rank 23

R.T.	EstConc	Area	Relative to ISTD	R.T.		
19.139	7.35 ng/ul	2790830	Phenanthrene-d10	17.245		
Hit#	of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,1'-Biphenyl, 2,2',6,6'-tetrach...	290	C12H6Cl4	015968-05-5	99	
2	1,1'-Biphenyl, 3,3',4,5'-tetrach...	290	C12H6Cl4	041464-48-6	99	
3	1,1'-Biphenyl, 3,3',5,5'-tetrach...	290	C12H6Cl4	033284-52-5	99	
4	1,1'-Biphenyl, 3,3',4,4'-tetrach...	290	C12H6Cl4	032598-13-3	99	
5	1,1'-Biphenyl, 2,2',6,6'-tetrach...	290	C12H6Cl4	015968-05-5	99	



Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN020623\
Data File : BN023955.D
Acq On : 06 Feb 2023 16:35
Operator : CG/JU
Sample : 01362-05ME
Misc :
ALS Vial : 10 Sample Multiplier: 1

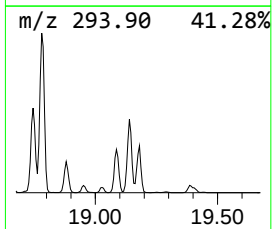
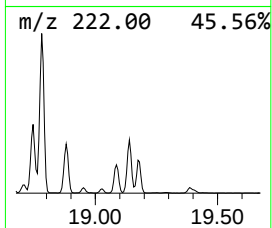
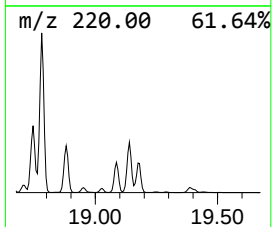
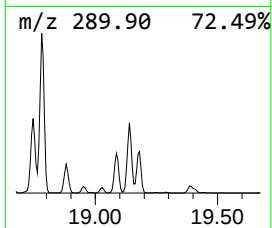
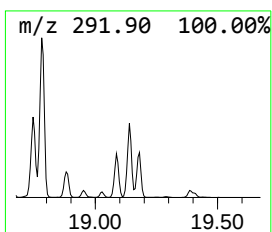
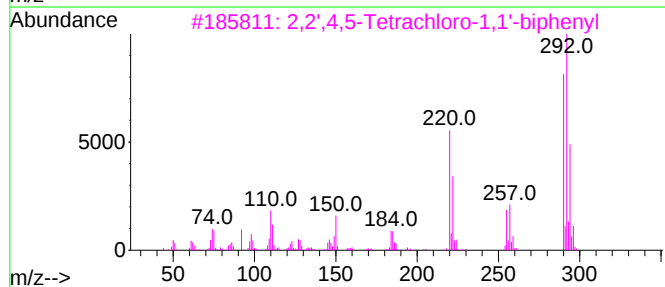
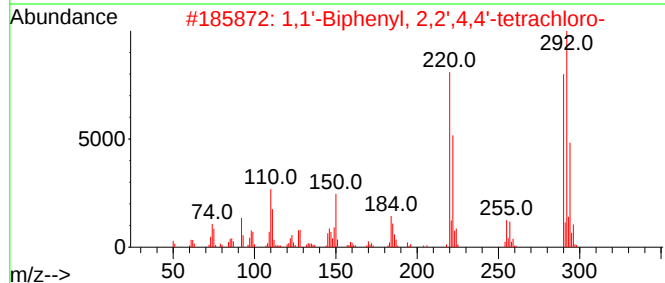
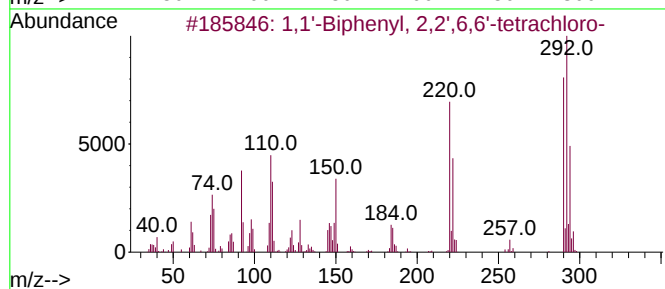
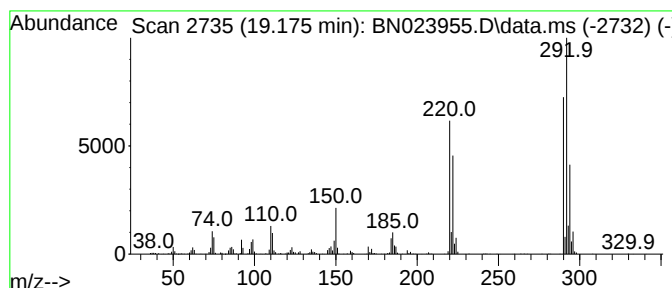
Instrument :
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ClientSampleId :
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Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\SFAM-EPA-BN020623.M
Quant Title : SVOA CALIBRATION

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

Peak Number 30 2,2',4,5-Tetrachloro-1,1'-b... Concentration Rank 24

R.T.	EstConc	Area	Relative to ISTD	R.T.		
19.175	6.08 ng/ul	2307830	Phenanthrene-d10	17.245		
Hit#	of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,1'-Biphenyl, 2,2',6,6'-tetrachloro-	290	C12H6Cl4	015968-05-5	98	
2	1,1'-Biphenyl, 2,2',4,4'-tetrachloro-	290	C12H6Cl4	002437-79-8	98	
3	2,2',4,5-Tetrachloro-1,1'-biphenyl	290	C12H6Cl4	070362-47-9	97	
4	2,3',5',6-Tetrachloro-1,1'-biphenyl	290	C12H6Cl4	074338-23-1	97	
5	1,1'-Biphenyl, 2,3,4',6-tetrachloro-	290	C12H6Cl4	052663-58-8	96	



Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN020623\
Data File : BN023955.D
Acq On : 06 Feb 2023 16:35
Operator : CG/JU
Sample : 01362-05ME
Misc :
ALS Vial : 10 Sample Multiplier: 1

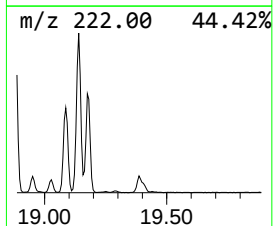
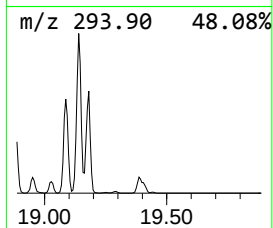
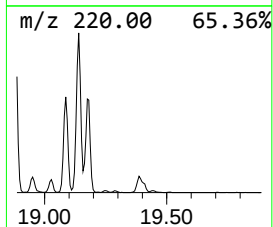
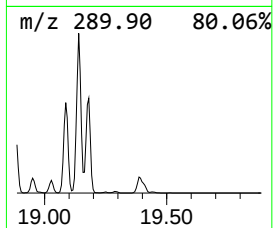
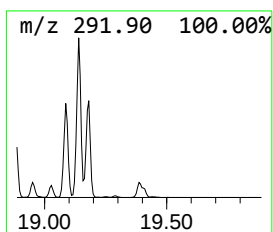
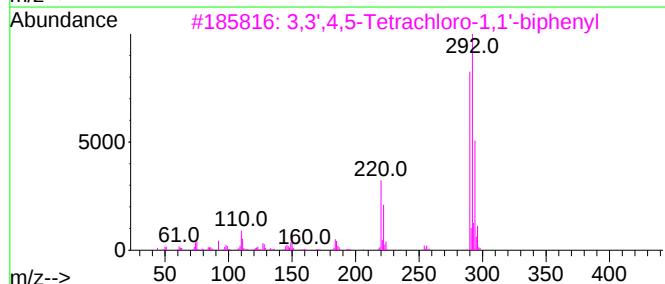
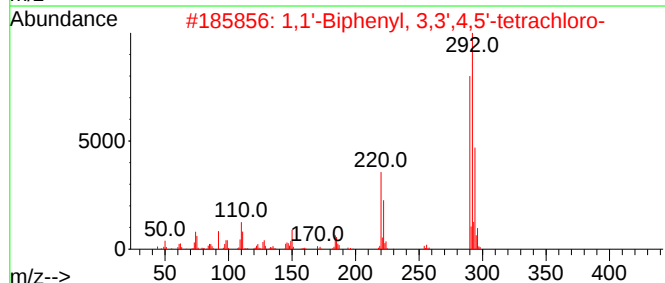
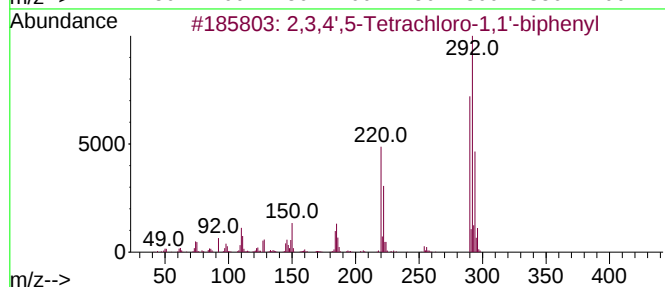
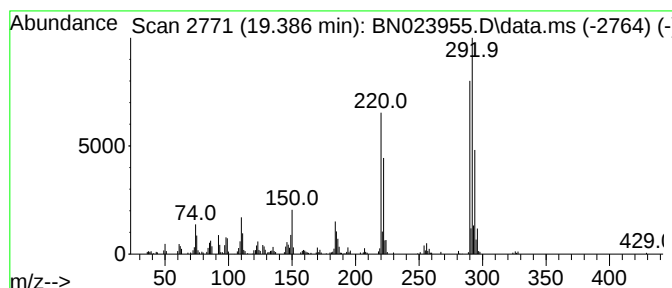
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BNA_N
ClientSampleId :
A4443ME

Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\SFAM-EPA-BN020623.M
Quant Title : SVOA CALIBRATION

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

Peak Number 31 1,1'-Biphenyl, 2,3,3',4'-te... Concentration Rank 31

R.T.	EstConc	Area	Relative to ISTD	R.T.	
19.387	3.59 ng/ul	308527	Chrysene-d12	21.439	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2,3,4',5-Tetrachloro-1,1'-biphenyl	290	C12H6Cl4	074472-34-7	99
2	1,1'-Biphenyl, 3,3',4,5'-tetrach...	290	C12H6Cl4	041464-48-6	99
3	3,3',4,5-Tetrachloro-1,1'-biphenyl	290	C12H6Cl4	070362-49-1	99
4	1,1'-Biphenyl, 2,3,3',4'-tetrach...	290	C12H6Cl4	041464-43-1	99
5	1,1'-Biphenyl, 2,2',4,5'-tetrach...	290	C12H6Cl4	041464-40-8	99



Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN020623\
Data File : BN023955.D
Acq On : 06 Feb 2023 16:35
Operator : CG/JU
Sample : 01362-05ME
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
A4443ME

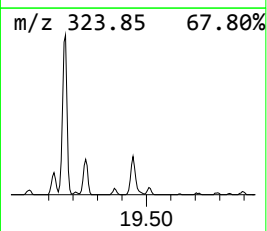
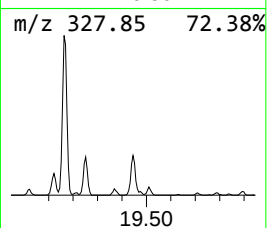
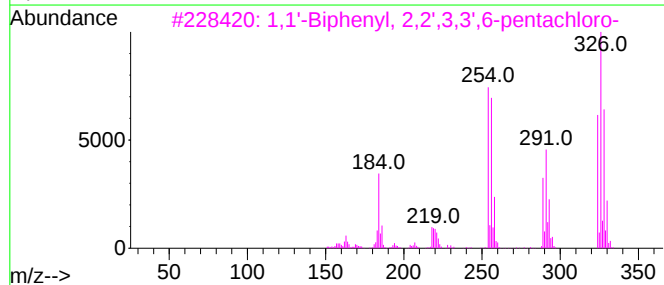
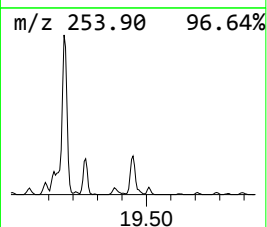
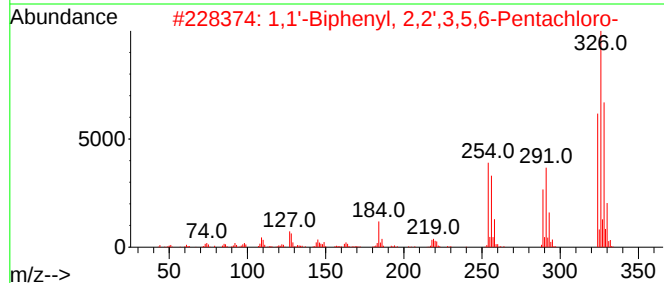
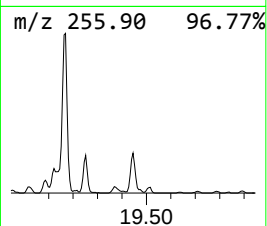
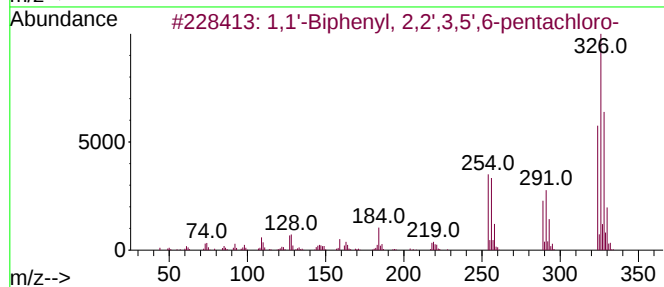
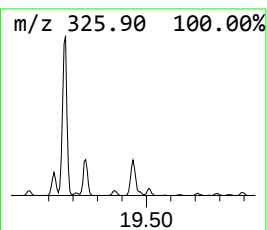
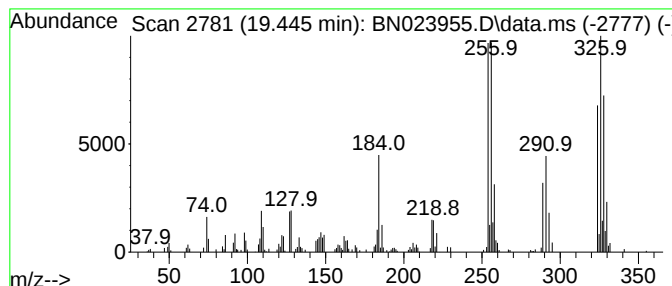
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Quant Title : SVOA CALIBRATION

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

Peak Number 32 1,1'-Biphenyl, 2,2',3,5',6-... Concentration Rank 29

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.445	4.25 ng/ul	364876	Chrysene-d12	21.439

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	1,1'-Biphenyl, 2,2',3,5,6-Pentac...	324	C12H5Cl5	073575-56-1	99		
3	1,1'-Biphenyl, 2,2',3,3',6-penta...	324	C12H5Cl5	052663-60-2	99		
4	2,2',3,6,6'-Pentachloro-1,1'-bip...	324	C12H5Cl5	073575-54-9	98		
5	1,1'-Biphenyl, 2,2',3,4,6-Pentac...	324	C12H5Cl5	055215-17-3	98		



Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN020623\
Data File : BN023955.D
Acq On : 06 Feb 2023 16:35
Operator : CG/JU
Sample : 01362-05ME
Misc :
ALS Vial : 10 Sample Multiplier: 1

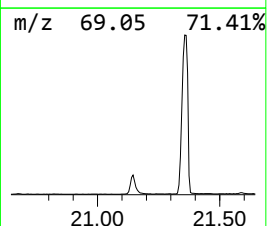
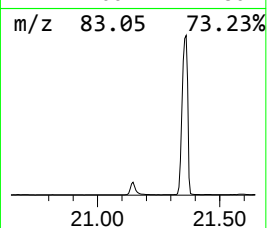
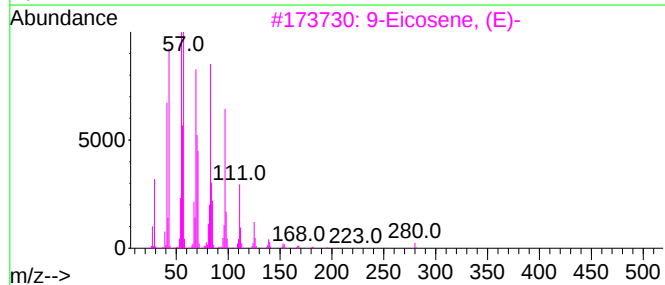
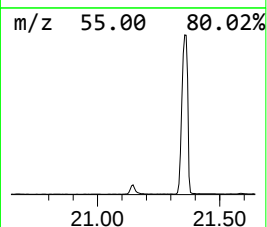
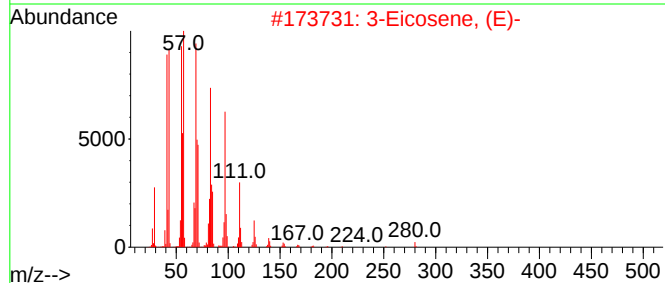
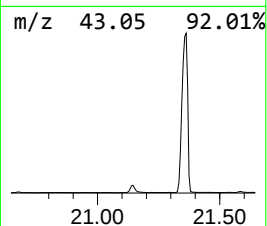
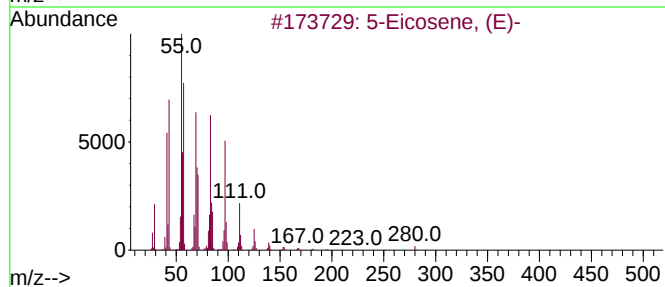
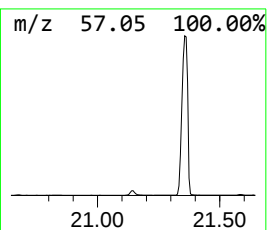
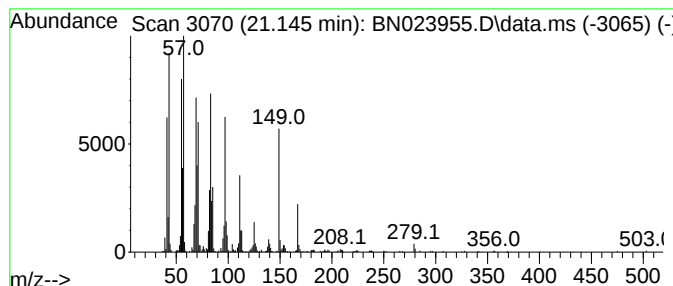
Instrument :
BNA_N
ClientSampleId :
A4443ME

Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\SFAM-EPA-BN020623.M
Quant Title : SVOA CALIBRATION

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

Peak Number 33 (DEL) Alkane: Straight-Chai... Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.	
21.145	8.02 ng/ul	689202	Chrysene-d12	21.439	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	5-Eicosene, (E)-	280	C20H40	074685-30-6	96
2	3-Eicosene, (E)-	280	C20H40	074685-33-9	95
3	9-Eicosene, (E)-	280	C20H40	074685-29-3	93
4	1-Hexacosene	364	C26H52	018835-33-1	90
5	Trichloroacetic acid, hexadecyl ...	386	C18H33Cl3O2	074339-54-1	90



Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN020623\
Data File : BN023955.D
Acq On : 06 Feb 2023 16:35
Operator : CG/JU
Sample : 01362-05ME
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
A4443ME

Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\SFAM-EPA-BN020623.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
1,1'-Biphenyl, ...	14.616	7.6	ng/ul	883723	3	14.493	2329280	20.0
1,1'-Biphenyl, ...	15.751	107.8	ng/ul	12560700	3	14.493	2329280	20.0
1,1'-Biphenyl, ...	16.081	5.2	ng/ul	1964200	4	17.245	7593770	20.0
1,1'-Biphenyl, ...	16.192	5.6	ng/ul	2118590	4	17.245	7593770	20.0
1,1'-Biphenyl, ...	16.357	10.5	ng/ul	3982960	4	17.245	7593770	20.0
1,1'-Biphenyl, ...	16.481	37.2	ng/ul	14119500	4	17.245	7593770	20.0
1,1'-Biphenyl, ...	16.775	7.5	ng/ul	2842080	4	17.245	7593770	20.0
1,1'-Biphenyl, ...	17.134	58.2	ng/ul	22082100	4	17.245	7593770	20.0
1,1'-Biphenyl, ...	17.169	21.8	ng/ul	8282840	4	17.245	7593770	20.0
1,1'-Biphenyl, ...	17.422	36.2	ng/ul	13752100	4	17.245	7593770	20.0
1,1'-Biphenyl, ...	17.698	10.7	ng/ul	4062810	4	17.245	7593770	20.0
1,1'-Biphenyl, ...	17.728	4.3	ng/ul	1626490	4	17.245	7593770	20.0
1,1'-Biphenyl, ...	17.857	90.4	ng/ul	34330800	4	17.245	7593770	20.0
unknown-01	17.986	40.7	ng/ul	15470000	4	17.245	7593770	20.0
unknown-02	18.104	20.7	ng/ul	7845260	4	17.245	7593770	20.0
1,1'-Biphenyl, ...	18.157	8.0	ng/ul	3028760	4	17.245	7593770	20.0
2,2',4,6'-Tetra...	18.322	27.5	ng/ul	10427000	4	17.245	7593770	20.0
1,1'-Biphenyl, ...	18.381	19.4	ng/ul	7346980	4	17.245	7593770	20.0
Biphenyl, 2,4,4...	18.422	16.3	ng/ul	6182080	4	17.245	7593770	20.0
1,1'-Biphenyl, ...	18.604	27.1	ng/ul	10269300	4	17.245	7593770	20.0
1,1'-Biphenyl, ...	18.651	9.1	ng/ul	3467300	4	17.245	7593770	20.0
unknown-03	18.704	10.0	ng/ul	3810790	4	17.245	7593770	20.0
2,3',4,5-Tetrac...	18.745	7.9	ng/ul	2992400	4	17.245	7593770	20.0
3,3',4,5-Tetrac...	18.781	16.8	ng/ul	6388690	4	17.245	7593770	20.0
1,1'-Biphenyl, ...	18.881	5.0	ng/ul	1902840	4	17.245	7593770	20.0
2,3,3',4-Tetrac...	19.087	3.9	ng/ul	1474250	4	17.245	7593770	20.0
1,1'-Biphenyl, ...	19.139	7.3	ng/ul	2790830	4	17.245	7593770	20.0
2,2',4,5-Tetrac...	19.175	6.1	ng/ul	2307830	4	17.245	7593770	20.0
1,1'-Biphenyl, ...	19.387	3.6	ng/ul	308527	5	21.439	1718420	20.0
1,1'-Biphenyl, ...	19.445	4.3	ng/ul	364876	5	21.439	1718420	20.0
(DEL) Alkane: S...	21.145	8.0	ng/ul	689202	5	21.439	1718420	20.0