

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP050423\
 Data File : BP014951.D
 Acq On : 04 May 2023 14:26
 Operator : CG/JU
 Sample : 02447-20
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 EW938

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_P\Methods\SFAM-EPA-BP050323.MA.M
 Title : SVOA CALIBRATION

Signal : TIC: BP014951.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	3.487	14	17	27	rVB	40087	59649	0.33%	0.049%
2	4.017	103	107	116	rVB	99662	127786	0.70%	0.104%
3	4.146	124	129	135	rVB	42556	63610	0.35%	0.052%
4	4.246	142	146	152	rVB	34591	50913	0.28%	0.041%
5	5.622	375	380	388	rVB	35019	51218	0.28%	0.042%
6	6.111	458	463	472	rBV	159789	258464	1.42%	0.211%
7	7.311	658	667	677	rBV2	203695	470511	2.58%	0.383%
8	7.481	690	696	702	rBV	249883	379678	2.09%	0.309%
9	7.687	725	731	741	rVB	201931	326598	1.79%	0.266%
10	8.163	802	812	818	rBV	882618	1452719	7.98%	1.183%
11	8.222	818	822	830	rVB2	56478	93581	0.51%	0.076%
12	8.869	927	932	940	rBV	180049	301309	1.65%	0.245%
13	8.999	947	954	962	rVB	172857	283505	1.56%	0.231%
14	9.340	1006	1012	1019	rVV	255561	423567	2.33%	0.345%
15	10.069	1129	1136	1148	rBV	136759	238422	1.31%	0.194%
16	10.204	1148	1159	1168	rBV3	28242	65546	0.36%	0.053%
17	10.616	1220	1229	1237	rVB	161442	278570	1.53%	0.227%
18	10.999	1283	1294	1300	rBV	1108648	1911104	10.50%	1.557%
19	11.051	1300	1303	1311	rVB	49185	81275	0.45%	0.066%
20	11.140	1311	1318	1327	rBV2	94566	198965	1.09%	0.162%
21	12.398	1526	1532	1541	rVV2	33808	56735	0.31%	0.046%
22	12.646	1567	1574	1580	rVB	55287	93585	0.51%	0.076%
23	12.869	1605	1612	1616	rBV	37337	57664	0.32%	0.047%
24	13.340	1685	1692	1698	rVB	34641	58632	0.32%	0.048%
25	13.622	1734	1740	1748	rBV2	56425	113749	0.62%	0.093%
26	13.981	1791	1801	1810	rBV4	33262	117654	0.65%	0.096%
27	14.128	1821	1826	1831	rBV2	50272	84983	0.47%	0.069%
28	14.210	1831	1840	1845	rVV	552895	826284	4.54%	0.673%
29	14.275	1848	1851	1855	rVV2	50982	68205	0.37%	0.056%
30	14.369	1863	1867	1877	rVB4	28651	68957	0.38%	0.056%
31	14.504	1884	1890	1894	rBV	735864	1143090	6.28%	0.931%
32	14.687	1917	1921	1930	rVB	67550	90127	0.50%	0.073%
33	14.810	1931	1942	1948	rBV	1677495	2593585	14.24%	2.112%
34	14.875	1948	1953	1958	rVV	75816	134062	0.74%	0.109%
35	14.928	1958	1962	1969	rVB3	29781	46717	0.26%	0.038%
36	15.092	1985	1990	1993	rBV4	26488	49308	0.27%	0.040%

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP050423\
 Data File : BP014951.D
 Acq On : 04 May 2023 14:26
 Operator : CG/JU
 Sample : 02447-20
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 EW938

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_P\Methods\SFAM-EPA-BP050323.MA.M
 Title : SVOA CALIBRATION

37	15.204	2004	2009	2014	rVB	92982	142202	0.78%	0.116%
38	15.422	2042	2046	2051	rBV4	33631	61648	0.34%	0.050%
39	15.592	2070	2075	2079	rBV3	77029	132575	0.73%	0.108%
40	15.634	2079	2082	2088	rVB2	84941	120770	0.66%	0.098%

41	15.798	2105	2110	2115	rBV	911082	1264209	6.94%	1.030%
42	15.851	2115	2119	2125	rVB2	77832	118869	0.65%	0.097%
43	16.057	2149	2154	2161	rVB2	275453	424526	2.33%	0.346%
44	16.163	2166	2172	2177	rBV2	530660	766168	4.21%	0.624%
45	16.504	2226	2230	2231	rBV2	156689	189505	1.04%	0.154%

46	16.528	2231	2234	2239	rVB	283408	375927	2.06%	0.306%
47	16.669	2254	2258	2263	rBV2	110834	168470	0.93%	0.137%
48	16.734	2266	2269	2273	rVV3	74251	122110	0.67%	0.099%
49	16.786	2273	2278	2283	rVB	467780	619797	3.40%	0.505%
50	17.086	2325	2329	2333	rBV2	266158	389720	2.14%	0.317%

51	17.128	2333	2336	2339	rVB	93392	126950	0.70%	0.103%
52	17.216	2348	2351	2356	rVB	87565	118007	0.65%	0.096%
53	17.304	2362	2366	2370	rBV3	129769	175321	0.96%	0.143%
54	17.357	2371	2375	2378	rBV	141488	217232	1.19%	0.177%
55	17.434	2384	2388	2392	rBV	852728	1188818	6.53%	0.968%

56	17.475	2392	2395	2400	rVB	450654	548040	3.01%	0.446%
57	17.563	2402	2410	2414	rBV2	1940727	3913395	21.49%	3.187%
58	17.610	2414	2418	2422	rVV	1188094	1690822	9.29%	1.377%
59	17.663	2422	2427	2431	rVV	1029681	1430873	7.86%	1.165%
60	17.698	2431	2433	2435	rVV	275409	298560	1.64%	0.243%

61	17.733	2435	2439	2448	rVB	1280197	1890501	10.38%	1.540%
62	17.963	2475	2478	2481	rBV	153319	157636	0.87%	0.128%
63	18.004	2482	2485	2488	rVV	384567	500807	2.75%	0.408%
64	18.039	2488	2491	2495	rVB	308652	368982	2.03%	0.301%
65	18.151	2503	2510	2516	rBV	4349960	8814779	48.41%	7.180%

66	18.275	2525	2531	2536	rBV2	1052450	1723368	9.47%	1.404%
67	18.392	2547	2551	2555	rBV	1297635	1762605	9.68%	1.436%
68	18.445	2558	2560	2566	rVV2	541509	943934	5.18%	0.769%
69	18.492	2566	2568	2572	rVB	386499	412043	2.26%	0.336%
70	18.551	2575	2578	2580	rVV4	255470	353133	1.94%	0.288%

71	18.604	2582	2587	2592	rVV2	2948271	3999177	21.96%	3.257%
72	18.663	2592	2597	2600	rVV3	1856491	2439474	13.40%	1.987%
73	18.704	2600	2604	2610	rVB2	1240581	1738971	9.55%	1.416%
74	18.875	2629	2633	2638	rBV	2253768	3188507	17.51%	2.597%
75	18.922	2638	2641	2646	rVV2	708720	1047590	5.75%	0.853%

76	18.975	2646	2650	2653	rVV	1136962	1450852	7.97%	1.182%
----	--------	------	------	------	-----	---------	---------	-------	--------

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP050423\
 Data File : BP014951.D
 Acq On : 04 May 2023 14:26
 Operator : CG/JU
 Sample : 02447-20
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 EW938

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_P\Methods\SFAM-EPA-BP050323.MA.M
 Title : SVOA CALIBRATION

77	19.010	2653	2656	2659	rVV	669745	844691	4.64%	0.688%
78	19.045	2659	2662	2668	rVB	1537169	1801859	9.90%	1.468%
79	19.139	2675	2678	2683	rVB3	531899	661301	3.63%	0.539%
80	19.339	2709	2712	2716	rBV	1071339	1309367	7.19%	1.066%
81	19.392	2717	2721	2723	rVV	2252764	2895132	15.90%	2.358%
82	19.422	2723	2726	2732	rVB3	2412592	3808838	20.92%	3.102%
83	19.557	2745	2749	2754	rVB	2674922	3293621	18.09%	2.683%
84	19.633	2756	2762	2767	rVV2	946755	2092008	11.49%	1.704%
85	19.686	2767	2771	2777	rVB	2347052	2899943	15.93%	2.362%
86	19.751	2778	2782	2785	rVV	839780	1004015	5.51%	0.818%
87	19.880	2799	2804	2806	rBV2	1669419	2414231	13.26%	1.966%
88	19.910	2806	2809	2813	rVB	2747022	3312522	18.19%	2.698%
89	20.016	2824	2827	2832	rVB2	930251	1056537	5.80%	0.861%
90	20.122	2841	2845	2849	rVB	2076614	2451834	13.47%	1.997%
91	20.375	2885	2888	2893	rVB5	1142063	1517343	8.33%	1.236%
92	20.422	2893	2896	2904	rVB	1725754	2097024	11.52%	1.708%
93	20.645	2931	2934	2937	rVB	855951	919592	5.05%	0.749%
94	20.727	2945	2948	2951	rVB	802517	840597	4.62%	0.685%
95	20.763	2952	2954	2957	rVB	792034	768416	4.22%	0.626%
96	20.957	2984	2987	2995	rVB	983399	1258941	6.91%	1.025%
97	21.316	3046	3048	3053	rVB2	923087	1032048	5.67%	0.841%
98	21.533	3080	3085	3094	rVB	13094357	18207434	100.00%	14.830%
99	21.645	3098	3104	3108	rVV2	2619982	6066971	33.32%	4.942%
100	21.686	3109	3111	3120	rVB	1681468	2102533	11.55%	1.713%

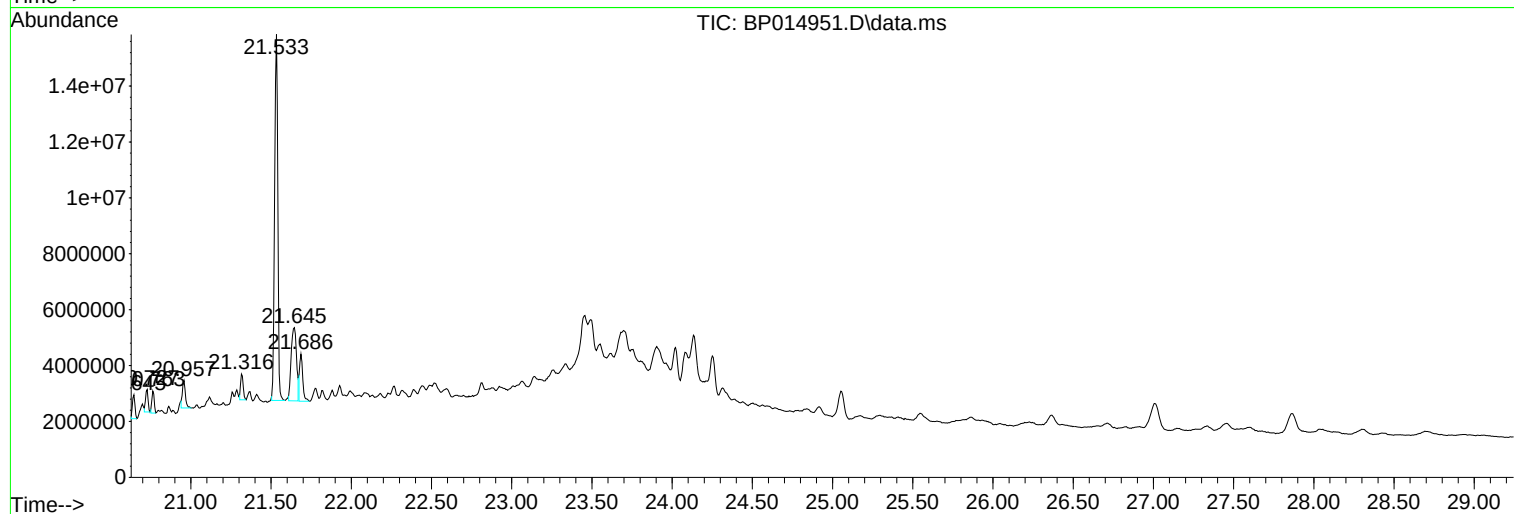
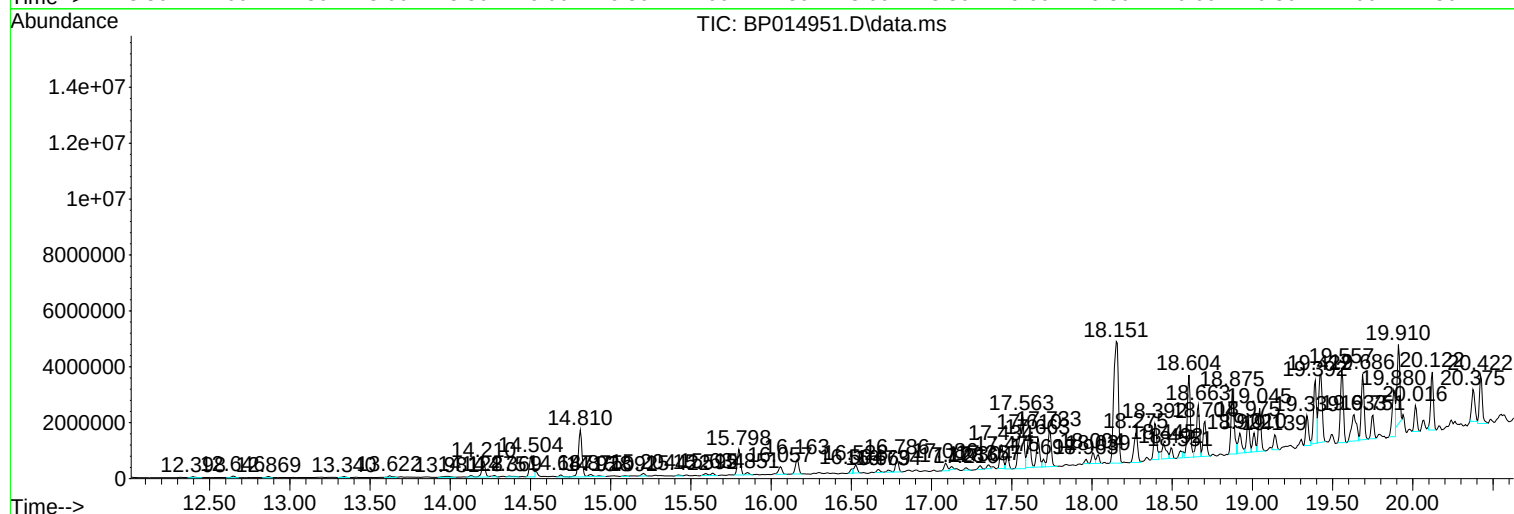
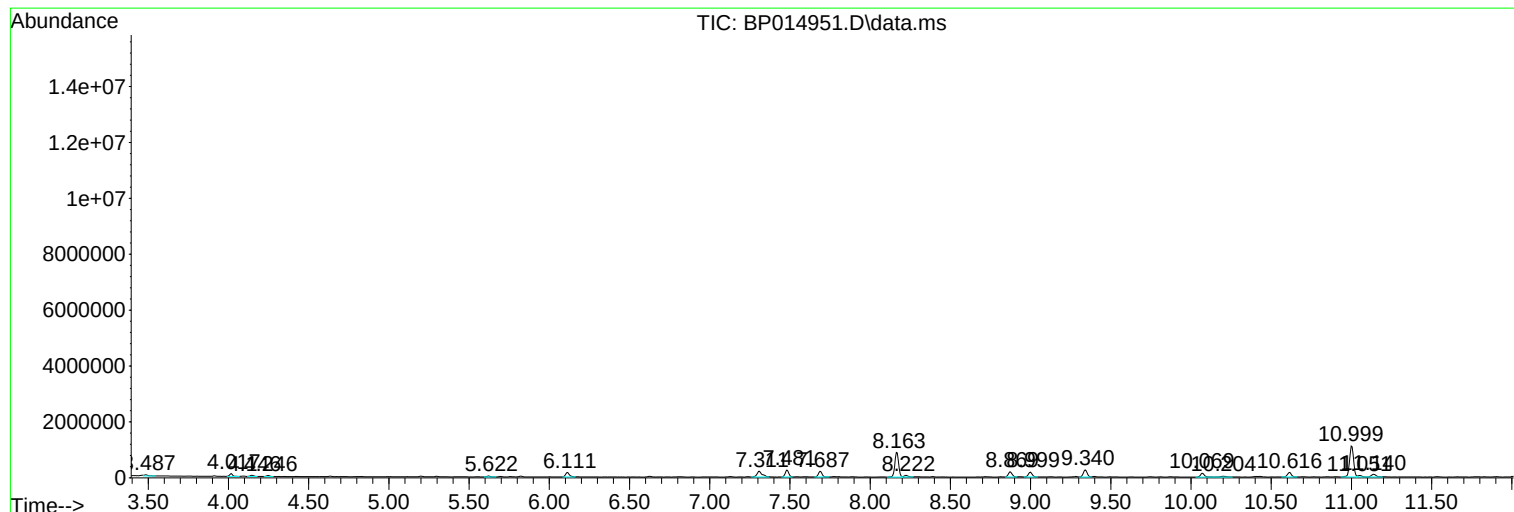
Sum of corrected areas: 122773998

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP050423\
Data File : BP014951.D
Acq On : 04 May 2023 14:26
Operator : CG/JU
Sample : 02447-20
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
EW938

Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\SFAM-EPA-BP050323.MA.M
Quant Title : SVOA CALIBRATION

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



Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP050423\
Data File : BP014951.D
Acq On : 04 May 2023 14:26
Operator : CG/JU
Sample : 02447-20
Misc :
ALS Vial : 11 Sample Multiplier: 1

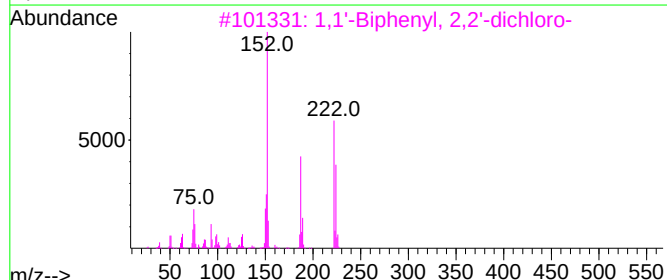
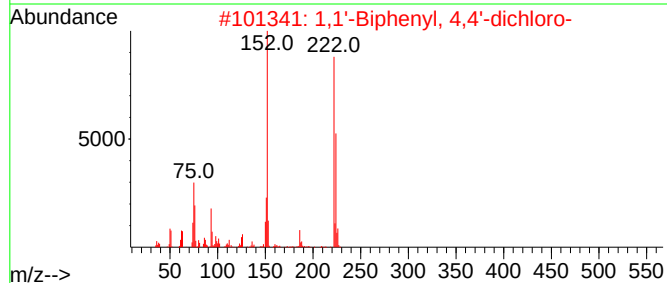
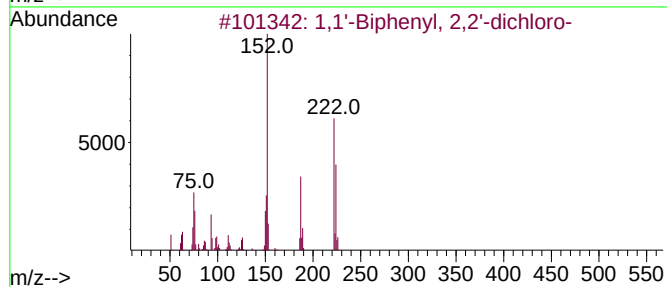
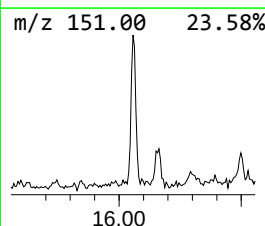
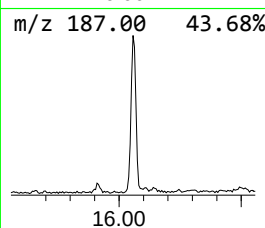
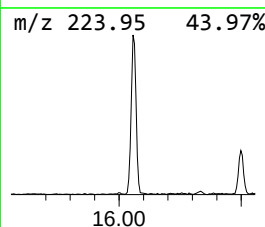
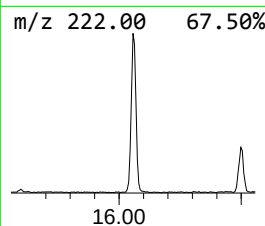
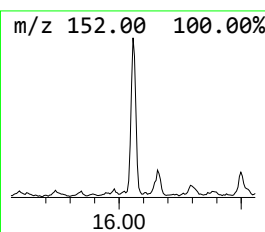
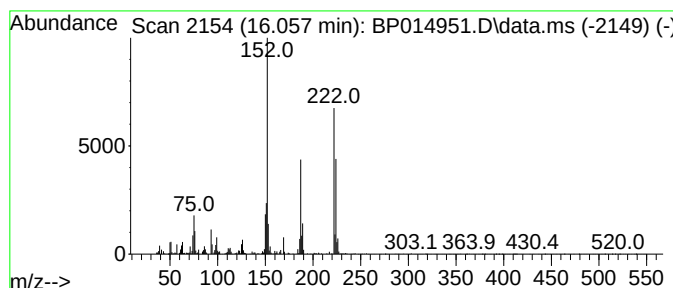
Instrument :
BNA_P
ClientSampleId :
EW938

Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\SFAM-EPA-BP050323.MA.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 28

R.T.	EstConc	Area	Relative to ISTD		R.T.	
16.057	3.27 ng/ul	424526	Acenaphthene-d10		14.810	
Hit# of 5	Tentative ID		MW	MolForm	CAS#	Qual
1	1,1'-Biphenyl, 2,2'-dichloro-		222	C12H8Cl2	013029-08-8	97
2	1,1'-Biphenyl, 4,4'-dichloro-		222	C12H8Cl2	002050-68-2	97
3	1,1'-Biphenyl, 2,2'-dichloro-		222	C12H8Cl2	013029-08-8	96
4	1,1'-Biphenyl, 2,2'-dichloro-		222	C12H8Cl2	013029-08-8	95
5	1,1'-Biphenyl, 2,2'-dichloro-		222	C12H8Cl2	013029-08-8	95



Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP050423\
Data File : BP014951.D
Acq On : 04 May 2023 14:26
Operator : CG/JU
Sample : 02447-20
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
EW938

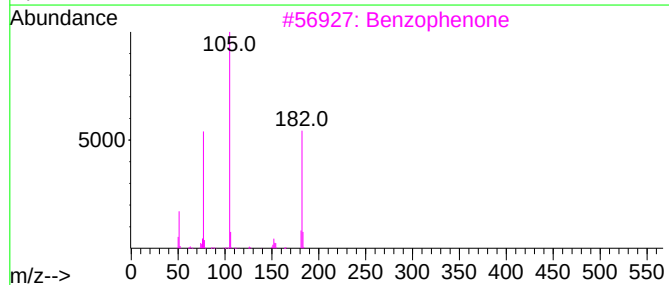
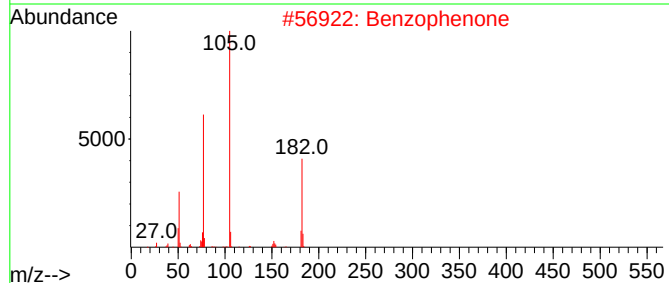
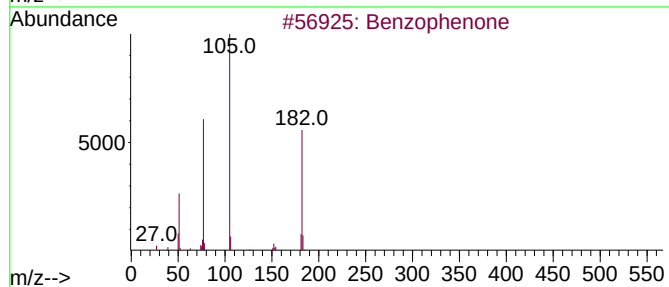
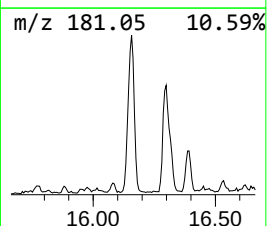
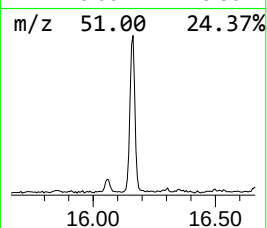
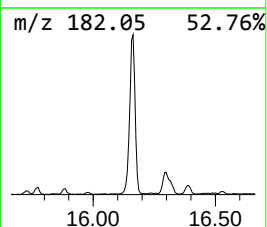
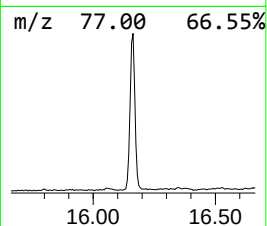
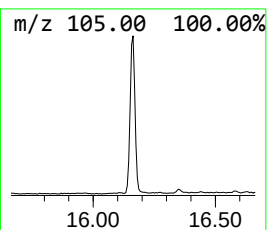
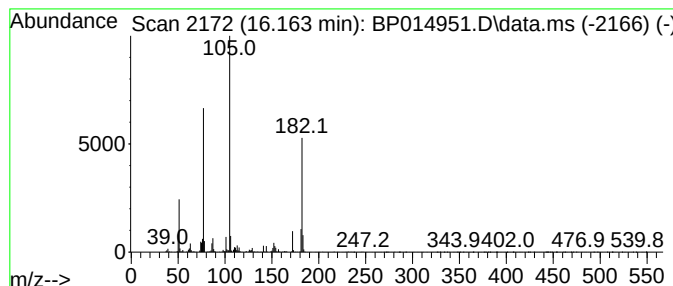
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\SFAM-EPA-BP050323.MA.M
Quant Title : SVOA CALIBRATION

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

Peak Number 3 Benzophenone Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.163	5.91 ng/ul	766168	Acenaphthene-d10	14.810

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Benzophenone	182	C13H10O	000119-61-9	96
2			Benzophenone	182	C13H10O	000119-61-9	96
3			Benzophenone	182	C13H10O	000119-61-9	93
4			Benzophenone	182	C13H10O	000119-61-9	93
5			Benzophenone	182	C13H10O	000119-61-9	87



Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP050423\
Data File : BP014951.D
Acq On : 04 May 2023 14:26
Operator : CG/JU
Sample : 02447-20
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
EW938

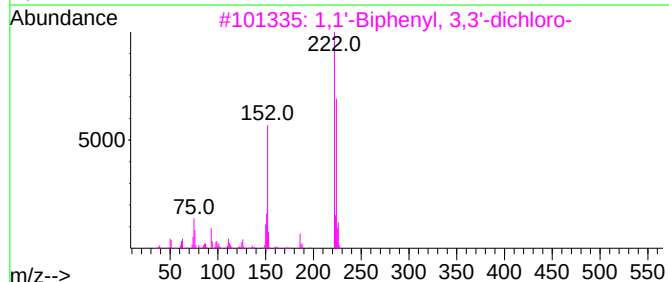
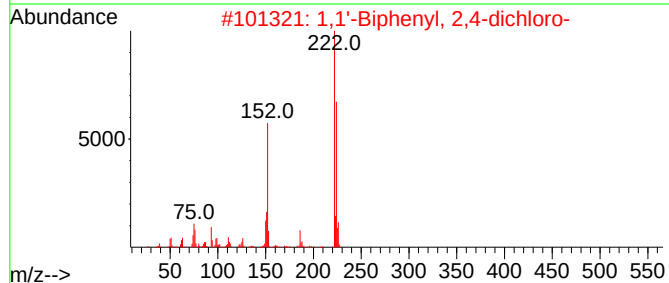
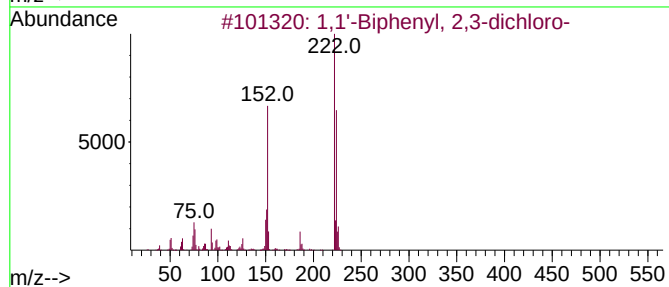
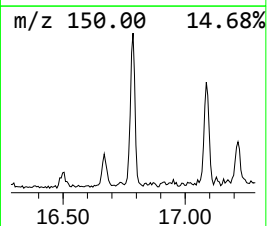
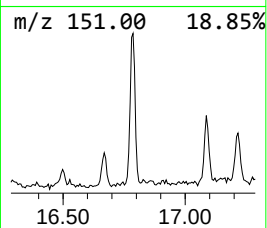
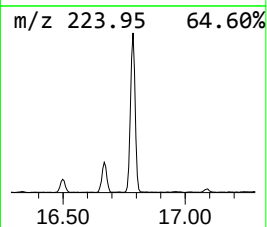
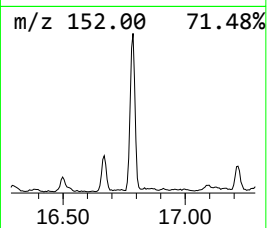
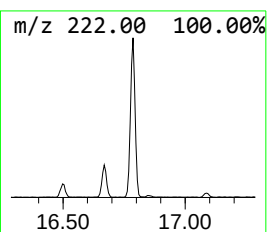
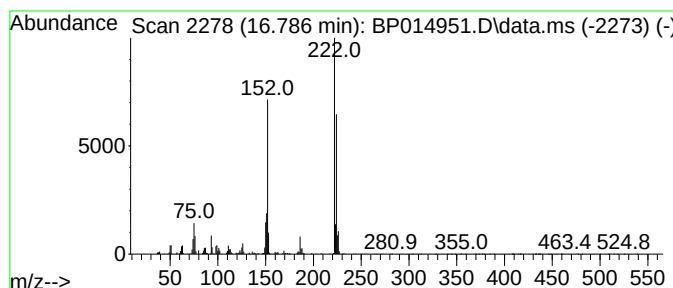
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\SFAM-EPA-BP050323.MA.M
Quant Title : SVOA CALIBRATION

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

Peak Number 4 1,1'-Biphenyl, 2,3-dichloro- Concentration Rank 29

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.787	3.17 ng/ul	619797	Phenanthrene-d10	17.563

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	99		
4	1,1'-Biphenyl, 2,3-dichloro-	222	C12H8Cl2	016605-91-7	98		
5	1,1'-Biphenyl, 2,4-dichloro-	222	C12H8Cl2	033284-50-3	98		



Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP050423\
Data File : BP014951.D
Acq On : 04 May 2023 14:26
Operator : CG/JU
Sample : 02447-20
Misc :
ALS Vial : 11 Sample Multiplier: 1

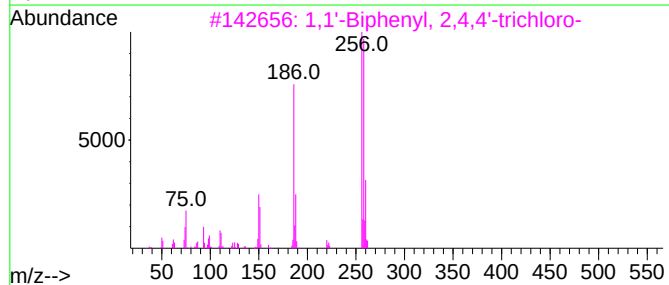
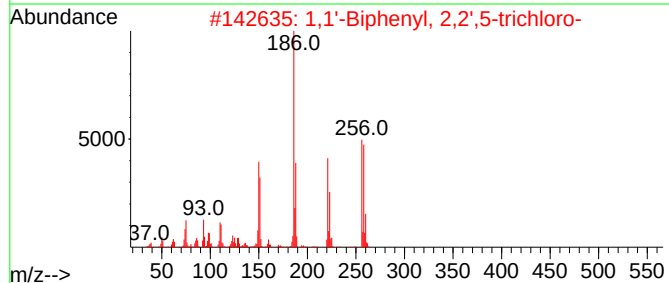
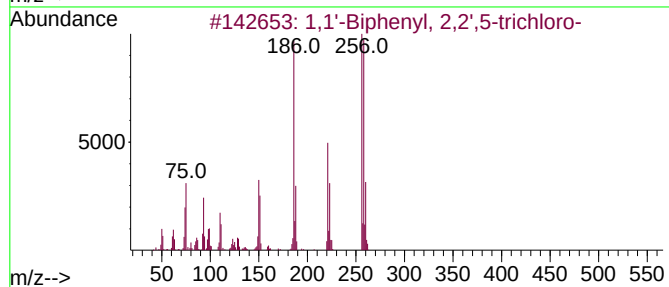
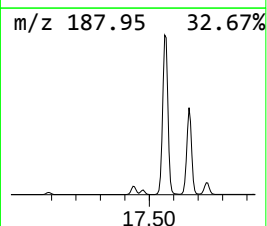
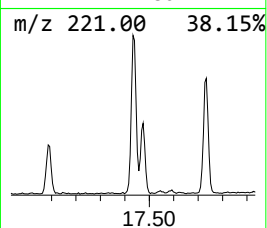
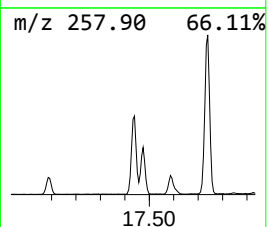
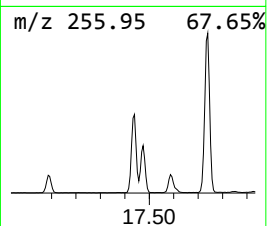
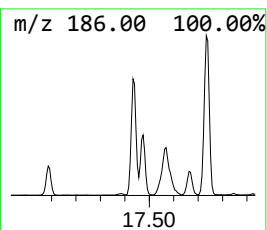
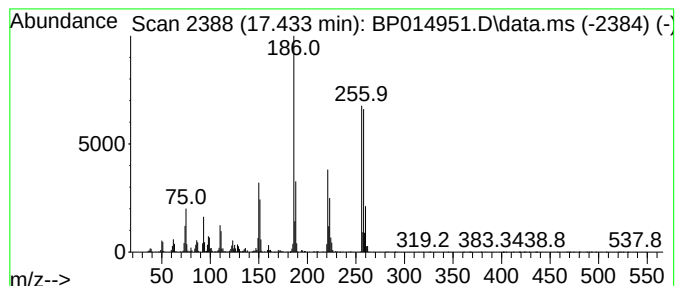
Instrument :
BNA_P
ClientSampleId :
EW938

Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\SFAM-EPA-BP050323.MA.M
Quant Title : SVOA CALIBRATION

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

Peak Number 5 1,1'-Biphenyl, 2,2',5-trich... Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.	
17.433	6.08 ng/ul	1188820	Phenanthrene-d10	17.563	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,1'-Biphenyl, 2,2',5-trichloro-	256	C12H7Cl3	037680-65-2	99
2	1,1'-Biphenyl, 2,2',5-trichloro-	256	C12H7Cl3	037680-65-2	99
3	1,1'-Biphenyl, 2,4,4'-trichloro-	256	C12H7Cl3	007012-37-5	99
4	1,1'-Biphenyl, 2,2',6-trichloro-	256	C12H7Cl3	038444-73-4	99
5	2,2',3-Trichloro-1,1'-biphenyl	256	C12H7Cl3	038444-78-9	98



Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP050423\
Data File : BP014951.D
Acq On : 04 May 2023 14:26
Operator : CG/JU
Sample : 02447-20
Misc :
ALS Vial : 11 Sample Multiplier: 1

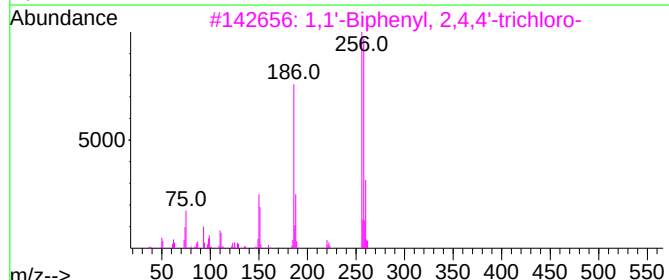
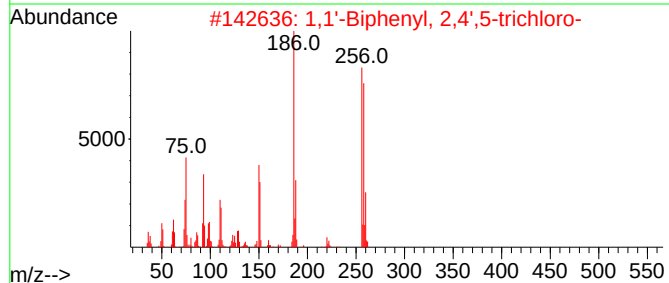
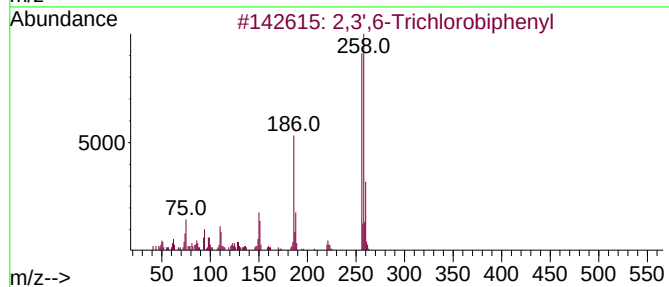
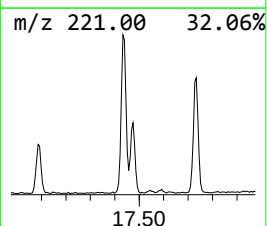
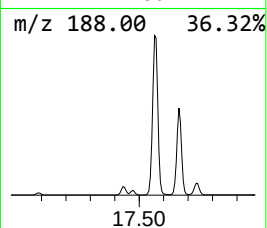
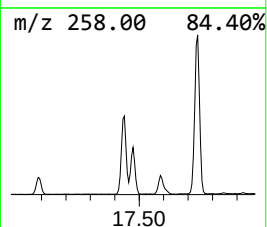
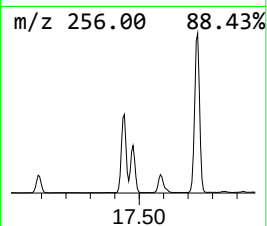
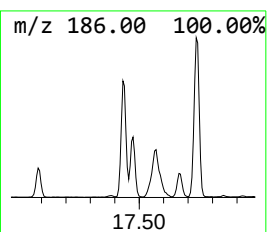
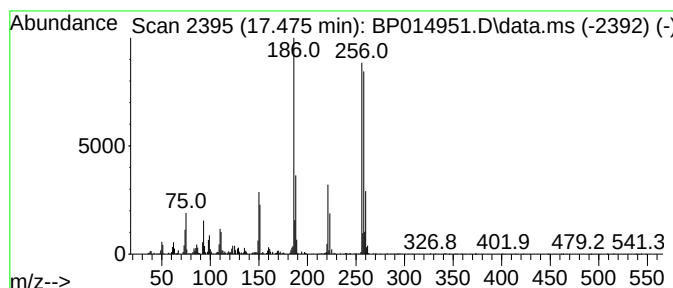
Instrument :
BNA_P
ClientSampleId :
EW938

Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\SFAM-EPA-BP050323.MA.M
Quant Title : SVOA CALIBRATION

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

Peak Number 6 2,3',6-Trichlorobiphenyl Concentration Rank 31

R.T.	EstConc	Area	Relative to ISTD	R.T.	
17.475	2.80 ng/ul	548040	Phenanthrene-d10	17.563	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2,3',6-Trichlorobiphenyl	256	C12H7Cl3	038444-76-7	97
2	1,1'-Biphenyl, 2,4',5-trichloro-	256	C12H7Cl3	016606-02-3	96
3	1,1'-Biphenyl, 2,4,4'-trichloro-	256	C12H7Cl3	007012-37-5	96
4	1,1'-Biphenyl, 3,4',5-trichloro-	256	C12H7Cl3	038444-88-1	96
5	1,1'-Biphenyl, 3,3',5-trichloro-	256	C12H7Cl3	038444-87-0	96



Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP050423\
Data File : BP014951.D
Acq On : 04 May 2023 14:26
Operator : CG/JU
Sample : 02447-20
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
EW938

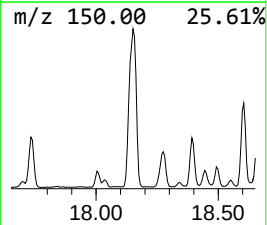
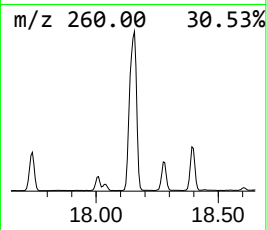
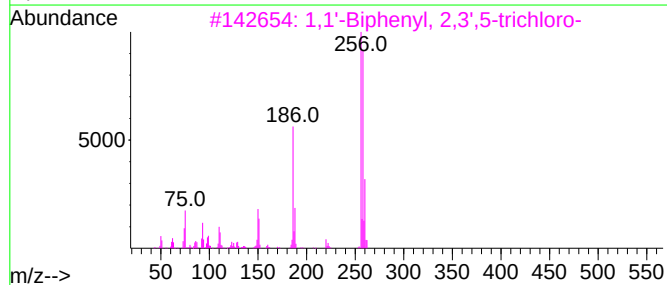
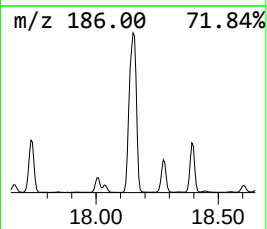
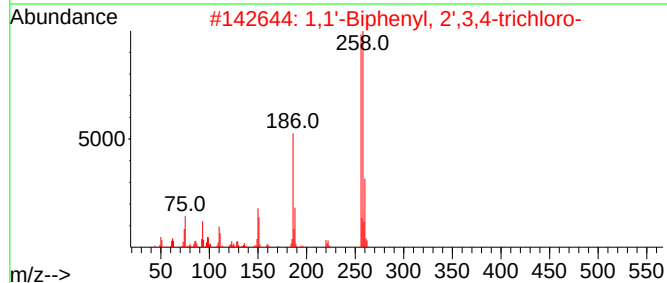
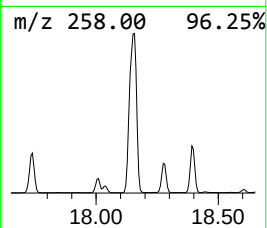
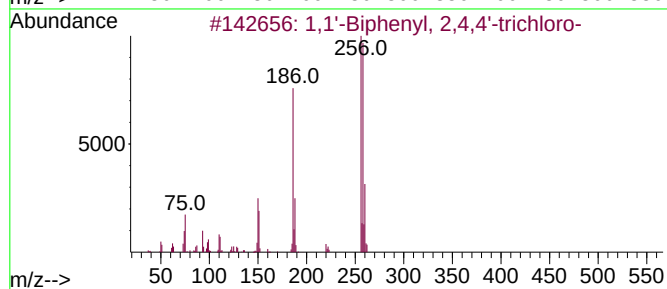
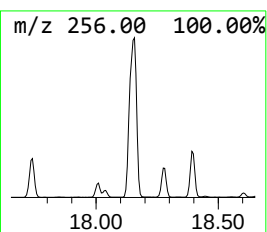
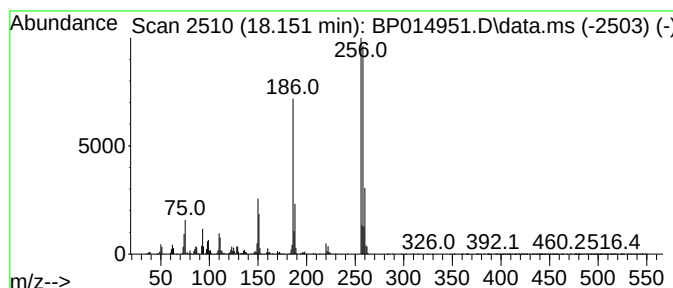
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\SFAM-EPA-BP050323.MA.M
Quant Title : SVOA CALIBRATION

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

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.151	45.05 ng/ul	8814780	Phenanthrene-d10	17.563

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, 3,4',5-trichloro-	256	C12H7Cl3	038444-88-1	99	



Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP050423\
Data File : BP014951.D
Acq On : 04 May 2023 14:26
Operator : CG/JU
Sample : 02447-20
Misc :
ALS Vial : 11 Sample Multiplier: 1

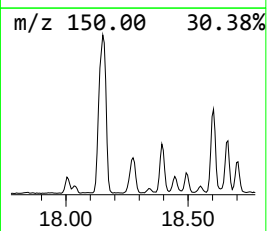
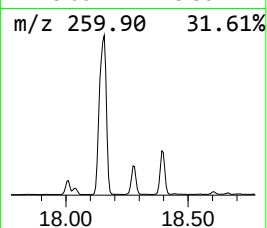
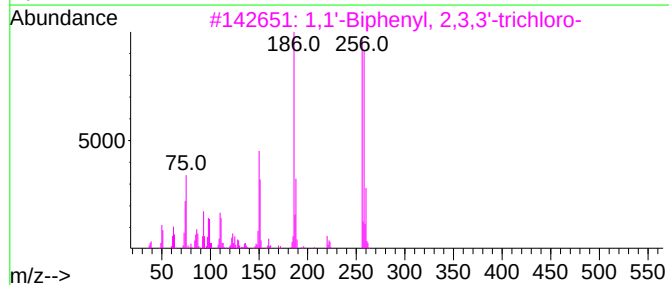
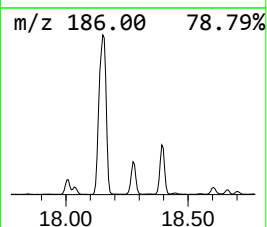
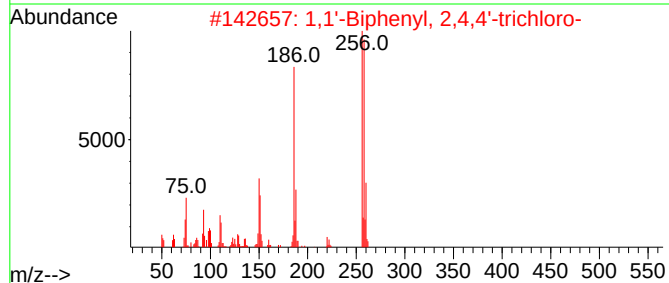
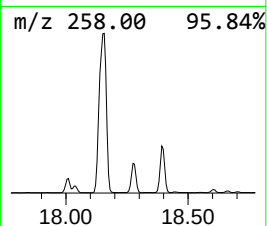
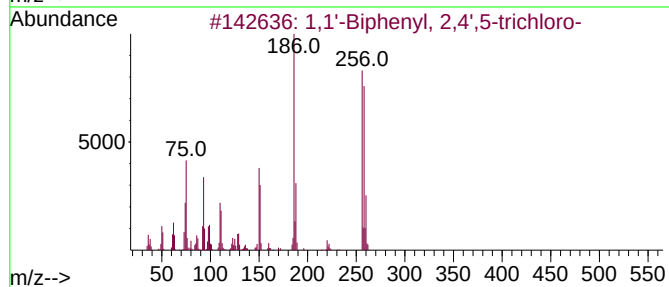
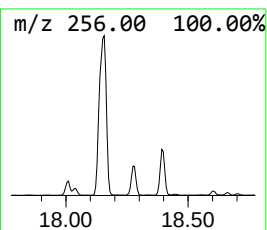
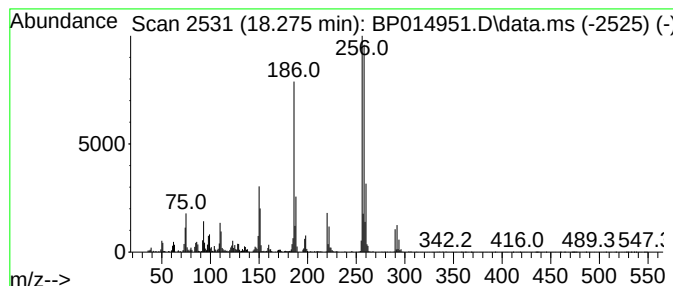
Instrument :
BNA_P
ClientSampleId :
EW938

Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\SFAM-EPA-BP050323.MA.M
Quant Title : SVOA CALIBRATION

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

Peak Number 8 1,1'-Biphenyl, 2,4',5-trich... Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.	
18.275	8.81 ng/ul	1723370	Phenanthrene-d10	17.563	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,1'-Biphenyl, 2,4',5-trichloro-	256	C12H7Cl3	016606-02-3	99
2	1,1'-Biphenyl, 2,4,4'-trichloro-	256	C12H7Cl3	007012-37-5	99
3	1,1'-Biphenyl, 2,3,3'-trichloro-	256	C12H7Cl3	038444-84-7	99
4	1,1'-Biphenyl, 2',3,4-trichloro-	256	C12H7Cl3	038444-86-9	99
5	1,1'-Biphenyl, 2,3,4-trichloro-	256	C12H7Cl3	055702-46-0	99



Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP050423\
Data File : BP014951.D
Acq On : 04 May 2023 14:26
Operator : CG/JU
Sample : 02447-20
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
EW938

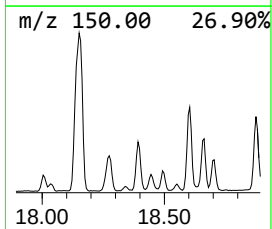
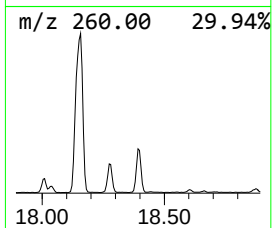
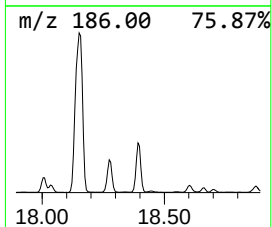
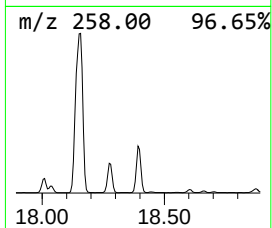
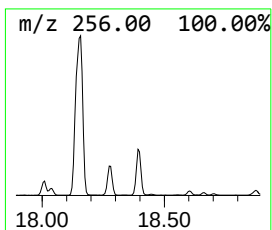
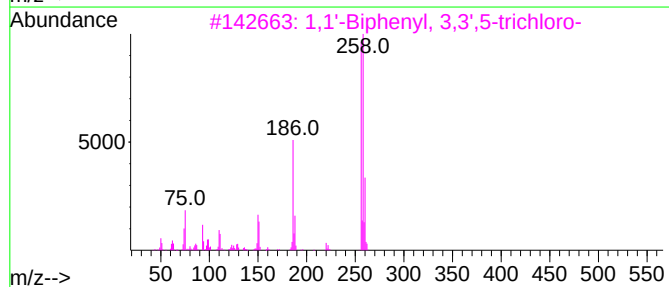
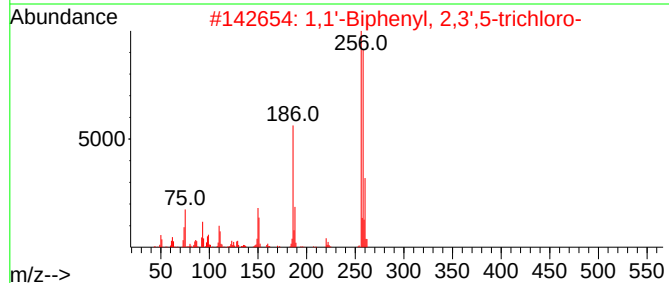
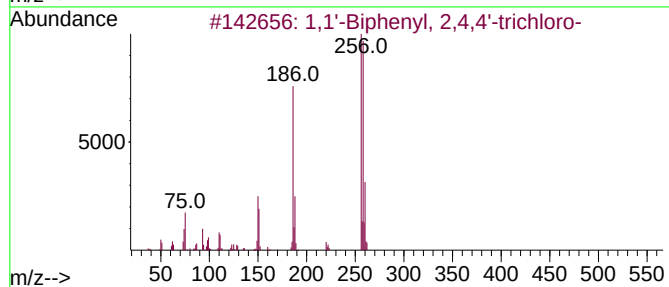
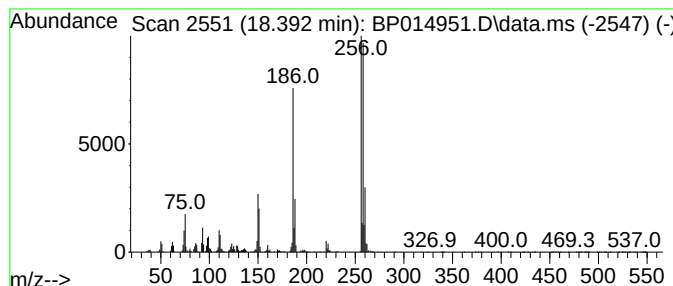
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\SFAM-EPA-BP050323.MA.M
Quant Title : SVOA CALIBRATION

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

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.392	9.01 ng/ul	1762610	Phenanthrene-d10	17.563

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, 3,3',5-trichloro-	256	C12H7Cl3	038444-87-0	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_P\Data\BP050423\
Data File : BP014951.D
Acq On : 04 May 2023 14:26
Operator : CG/JU
Sample : 02447-20
Misc :
ALS Vial : 11 Sample Multiplier: 1

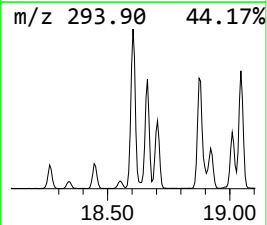
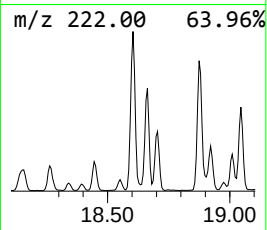
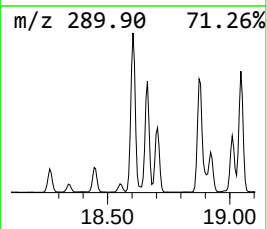
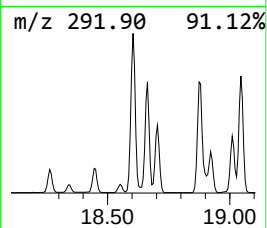
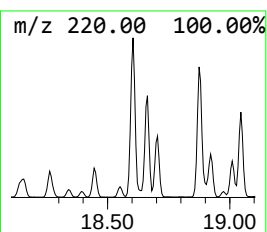
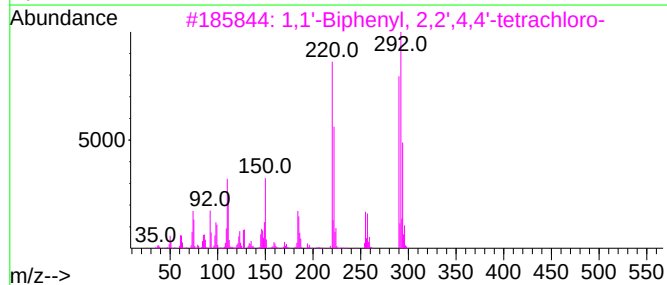
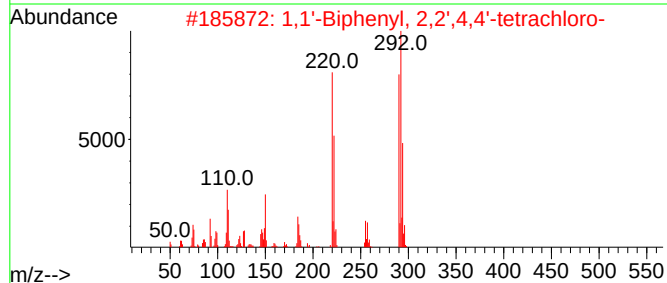
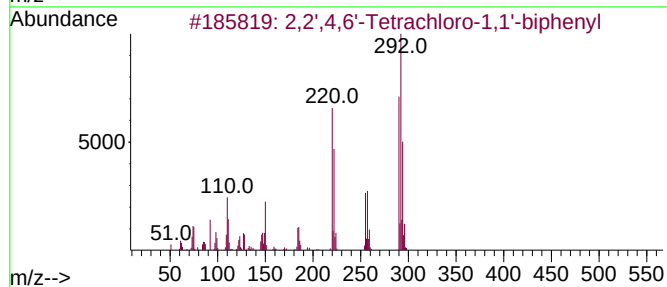
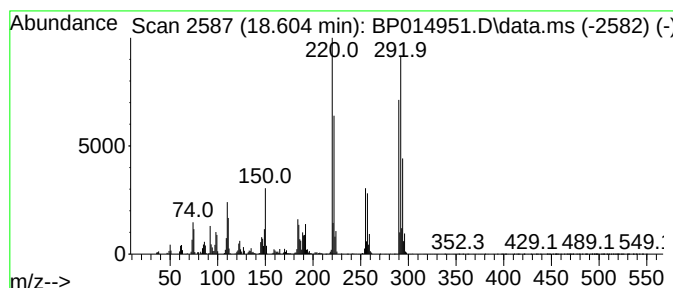
Instrument :
BNA_P
ClientSampleId :
EW938

Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\SFAM-EPA-BP050323.MA.M
Quant Title : SVOA CALIBRATION

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

Peak Number 10 2,2',4,6'-Tetrachloro-1,1'-... Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.	
18.604	20.44 ng/ul	3999180	Phenanthrene-d10	17.563	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2,2',4,6'-Tetrachloro-1,1'-biphenyl	290	C12H6Cl4	068194-04-7	99
2	1,1'-Biphenyl, 2,2',4,4'-tetrach...	290	C12H6Cl4	002437-79-8	99
3	1,1'-Biphenyl, 2,2',4,4'-tetrach...	290	C12H6Cl4	002437-79-8	99
4	1,1'-Biphenyl, 2,2',4,6-Tetrachl...	290	C12H6Cl4	062796-65-0	99
5	1,1'-Biphenyl, 2,2',4,4'-tetrach...	290	C12H6Cl4	002437-79-8	99



Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP050423\
Data File : BP014951.D
Acq On : 04 May 2023 14:26
Operator : CG/JU
Sample : 02447-20
Misc :
ALS Vial : 11 Sample Multiplier: 1

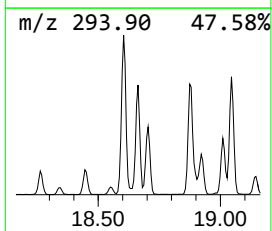
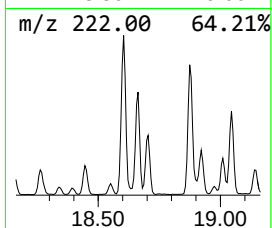
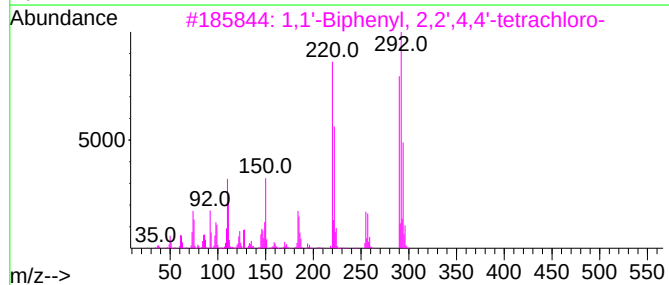
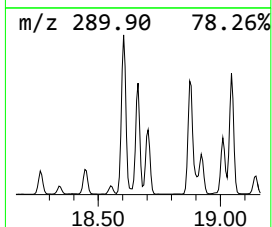
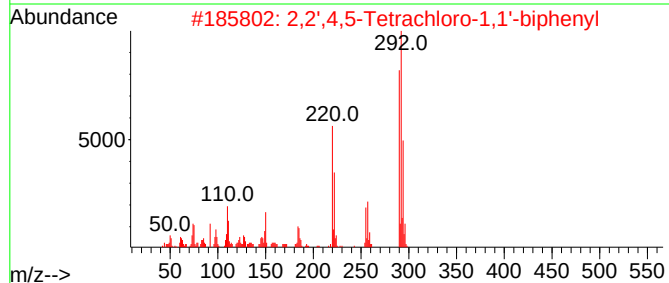
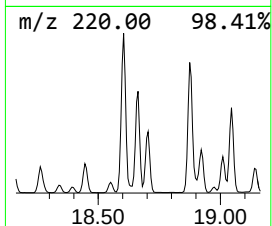
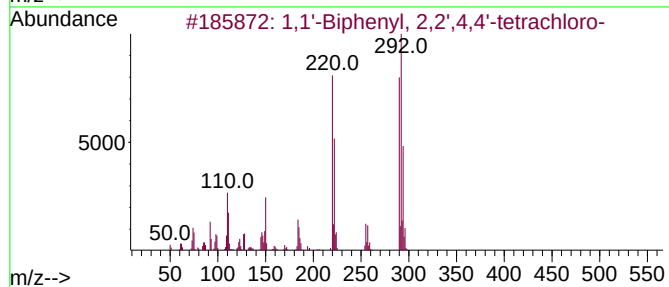
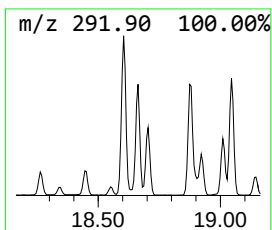
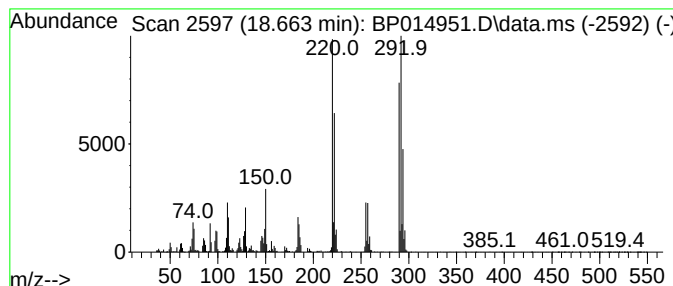
Instrument :
BNA_P
ClientSampleId :
EW938

Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\SFAM-EPA-BP050323.MA.M
Quant Title : SVOA CALIBRATION

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

Peak Number 11 1,1'-Biphenyl, 2,2',4,4'-te... Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.		
18.663	12.47 ng/ul	2439470	Phenanthrene-d10	17.563		
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',4,5-Tetrachloro-1,1'-biphenyl	290	C12H6Cl4	070362-47-9	99	
3	1,1'-Biphenyl, 2,2',4,4'-tetrach...	290	C12H6Cl4	002437-79-8	99	
4	1,1'-Biphenyl, 2,2',4,5'-tetrach...	290	C12H6Cl4	041464-40-8	99	
5	1,1'-Biphenyl, 2,3,3',4'-tetrach...	290	C12H6Cl4	041464-43-1	99	



Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP050423\
Data File : BP014951.D
Acq On : 04 May 2023 14:26
Operator : CG/JU
Sample : 02447-20
Misc :
ALS Vial : 11 Sample Multiplier: 1

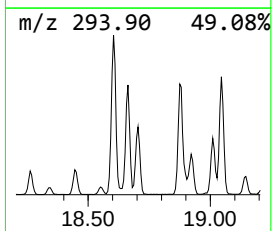
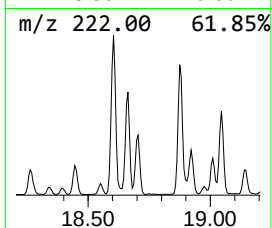
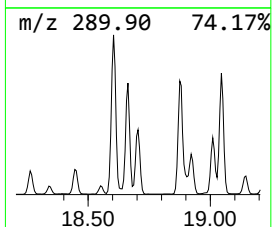
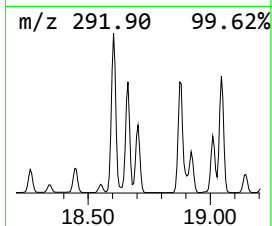
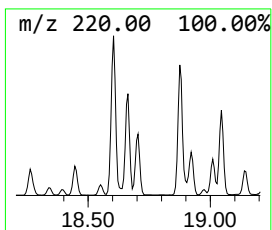
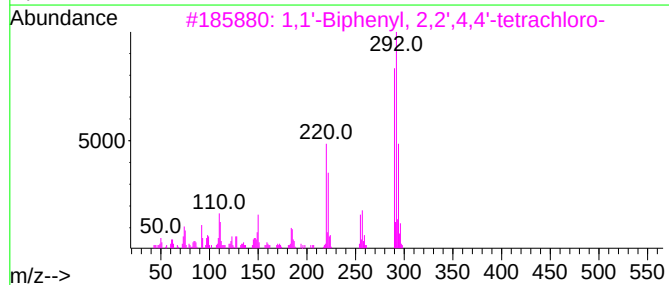
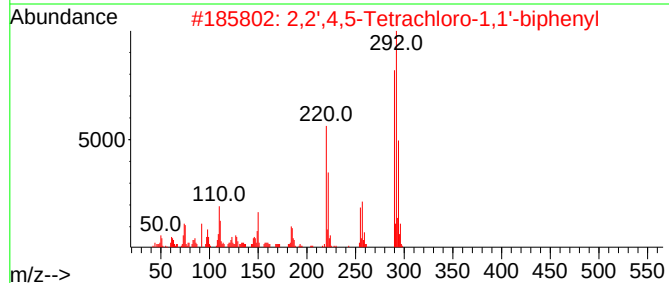
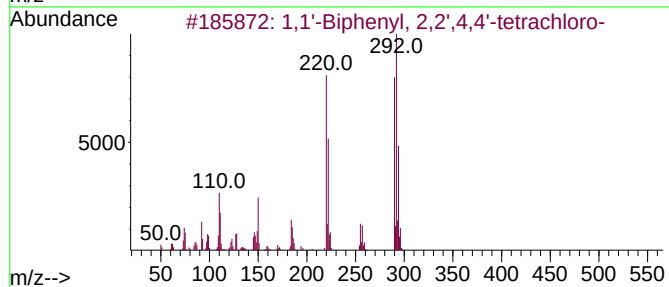
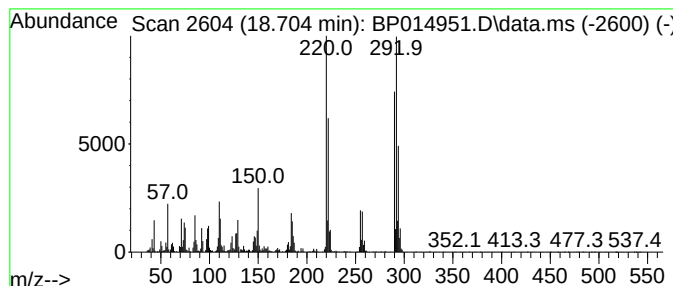
Instrument :
BNA_P
ClientSampleId :
EW938

Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\SFAM-EPA-BP050323.MA.M
Quant Title : SVOA CALIBRATION

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

Peak Number 12 2,2',4,5-Tetrachloro-1,1'-b... Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.		
18.704	8.89 ng/ul	1738970	Phenanthrene-d10	17.563		
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',4,5-Tetrachloro-1,1'-biphenyl	290	C12H6Cl4	070362-47-9	99	
3	1,1'-Biphenyl, 2,2',4,4'-tetrach...	290	C12H6Cl4	002437-79-8	99	
4	1,1'-Biphenyl, 2,2',4,4'-tetrach...	290	C12H6Cl4	002437-79-8	99	
5	1,1'-Biphenyl, 2,2',6,6'-tetrach...	290	C12H6Cl4	015968-05-5	99	



Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP050423\
Data File : BP014951.D
Acq On : 04 May 2023 14:26
Operator : CG/JU
Sample : 02447-20
Misc :
ALS Vial : 11 Sample Multiplier: 1

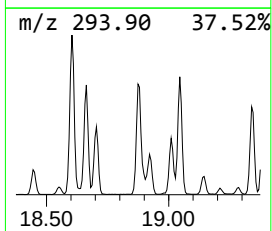
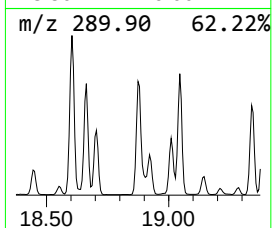
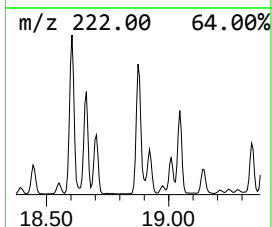
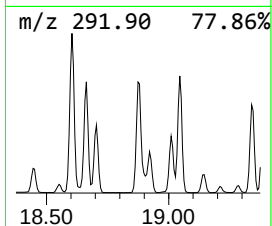
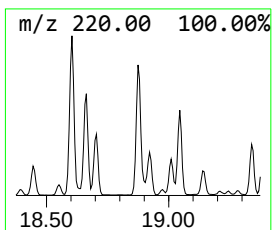
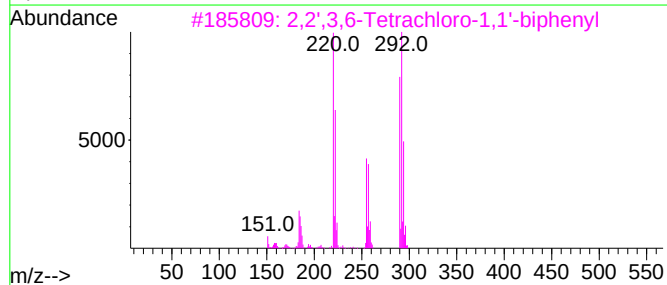
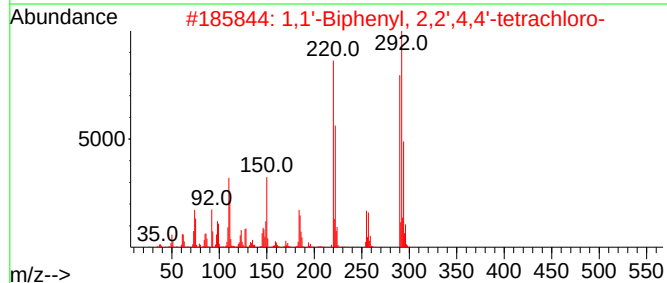
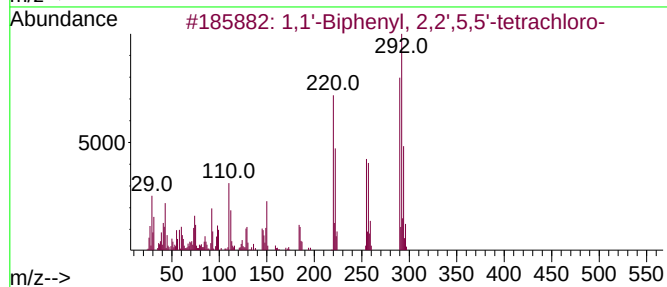
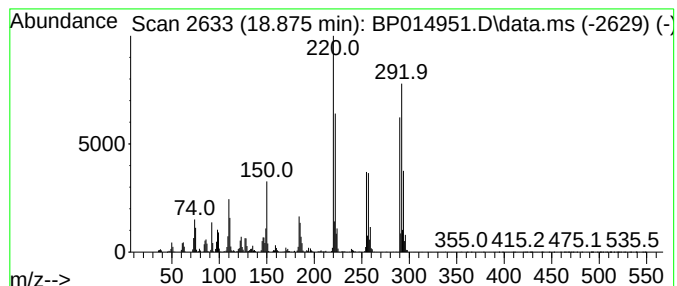
Instrument :
BNA_P
ClientSampleId :
EW938

Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\SFAM-EPA-BP050323.MA.M
Quant Title : SVOA CALIBRATION

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

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

R.T.	EstConc	Area	Relative to ISTD	R.T.		
18.875	16.30 ng/ul	3188510	Phenanthrene-d10	17.563		
Hit#	of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,1'-Biphenyl, 2,2',5,5'-tetrach...	290	C12H6Cl4	035693-99-3	99	
2	1,1'-Biphenyl, 2,2',4,4'-tetrach...	290	C12H6Cl4	002437-79-8	99	
3	2,2',3,6-Tetrachloro-1,1'-biphenyl	290	C12H6Cl4	070362-45-7	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_P\Data\BP050423\
Data File : BP014951.D
Acq On : 04 May 2023 14:26
Operator : CG/JU
Sample : 02447-20
Misc :
ALS Vial : 11 Sample Multiplier: 1

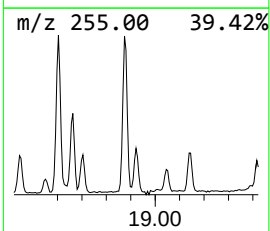
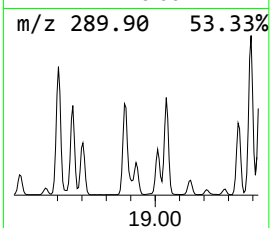
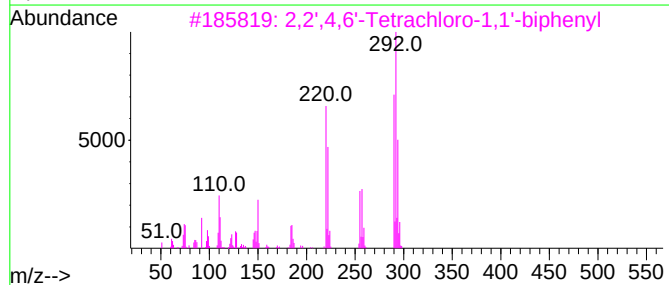
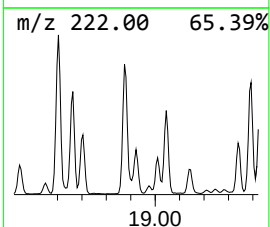
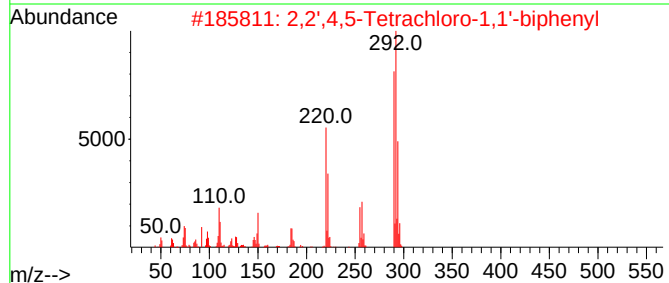
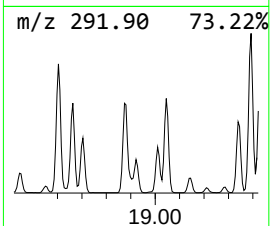
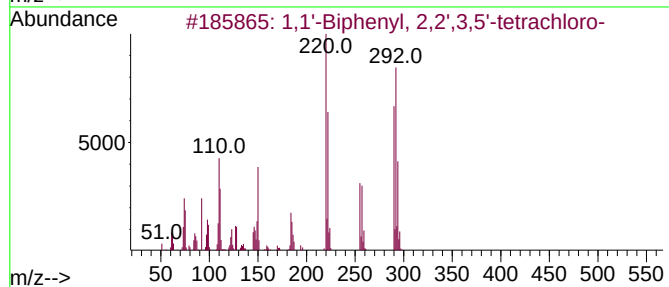
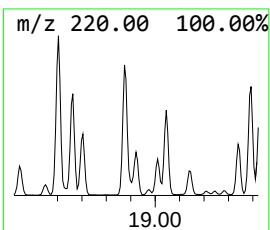
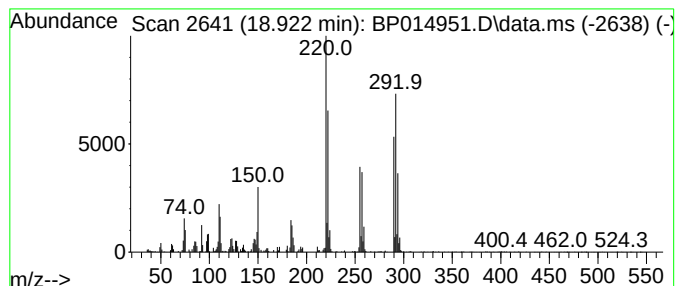
Instrument :
BNA_P
ClientSampleId :
EW938

Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\SFAM-EPA-BP050323.MA.M
Quant Title : SVOA CALIBRATION

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

Peak Number 14 1,1'-Biphenyl, 2,2',3,5'-te... Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.	
18.922	5.35 ng/ul	1047590	Phenanthrene-d10	17.563	
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',4,5-Tetrachloro-1,1'-biphenyl	290	C12H6Cl4	070362-47-9	99
3	2,2',4,6'-Tetrachloro-1,1'-biphenyl	290	C12H6Cl4	068194-04-7	99
4	1,1'-Biphenyl, 2,2',4,4'-tetrach...	290	C12H6Cl4	002437-79-8	99
5	2,2',3,6-Tetrachloro-1,1'-biphenyl	290	C12H6Cl4	070362-45-7	99



Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP050423\
Data File : BP014951.D
Acq On : 04 May 2023 14:26
Operator : CG/JU
Sample : 02447-20
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
EW938

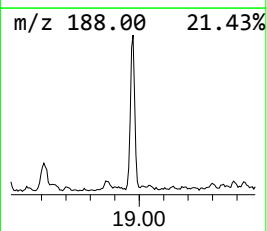
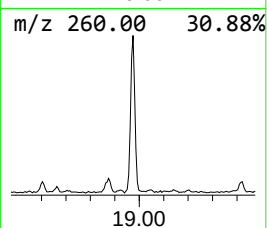
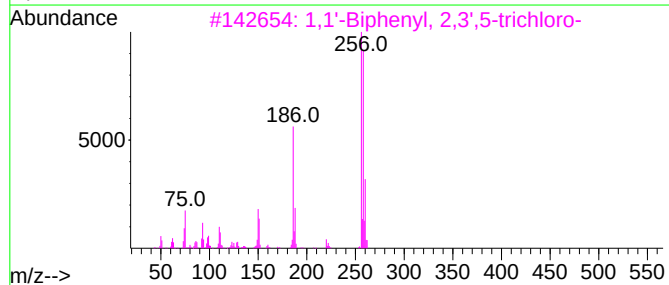
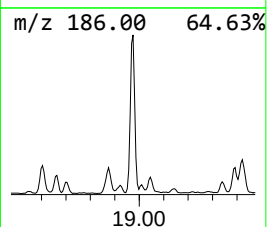
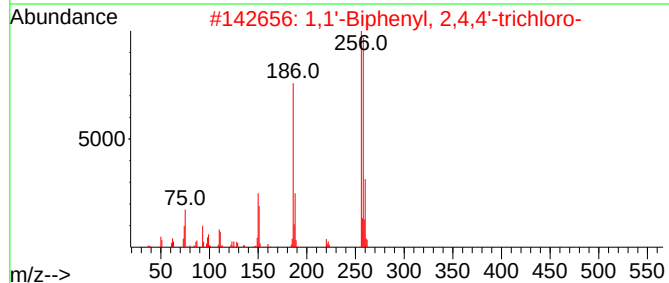
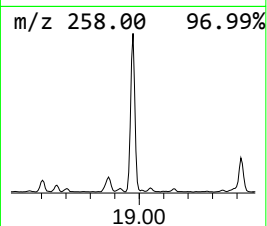
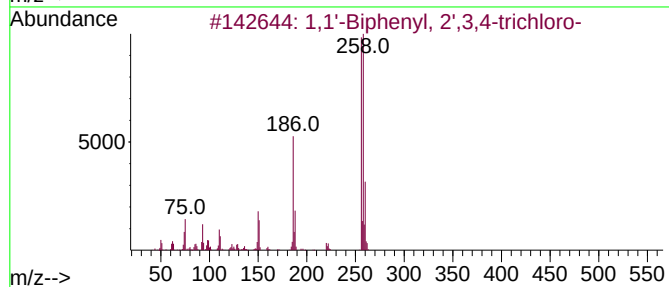
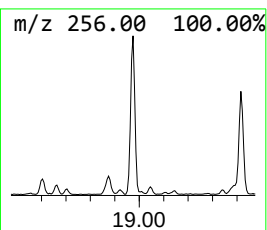
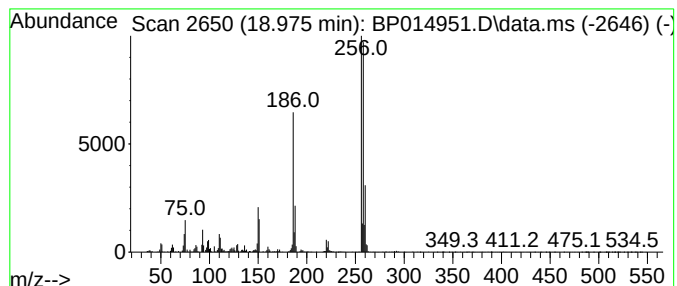
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\SFAM-EPA-BP050323.MA.M
Quant Title : SVOA CALIBRATION

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

Peak Number 15 1,1'-Biphenyl, 2',3,4-trich... Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.975	7.41 ng/ul	1450850	Phenanthrene-d10	17.563

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



Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP050423\
Data File : BP014951.D
Acq On : 04 May 2023 14:26
Operator : CG/JU
Sample : 02447-20
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
EW938

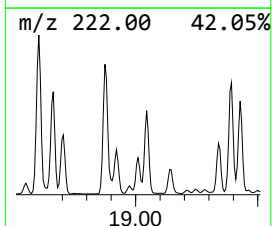
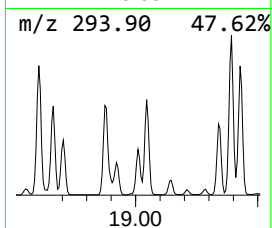
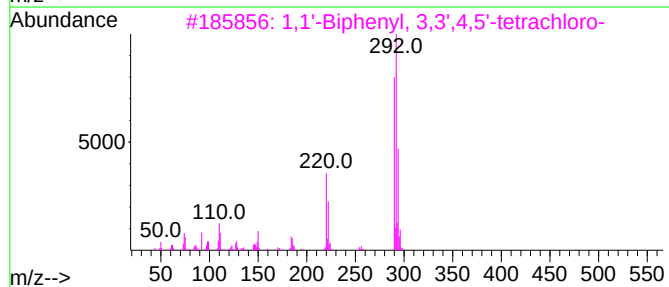
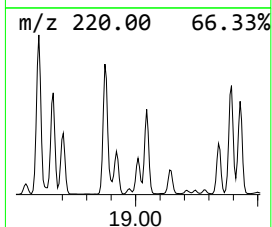
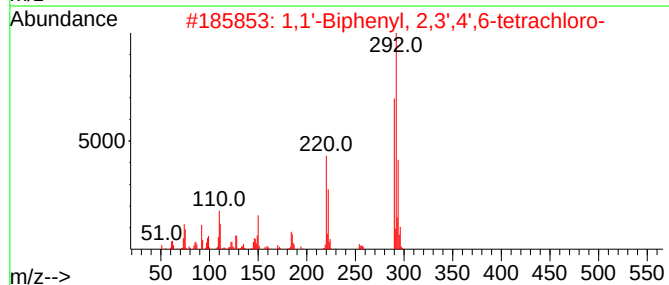
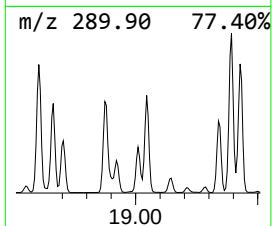
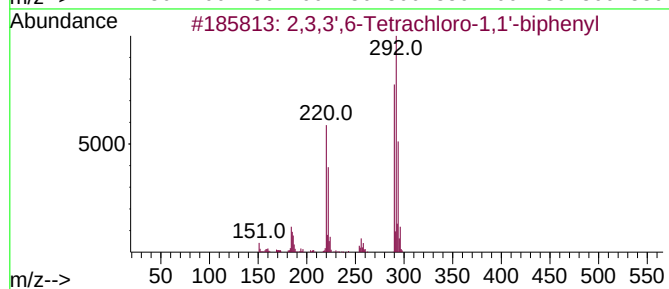
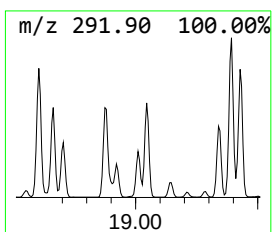
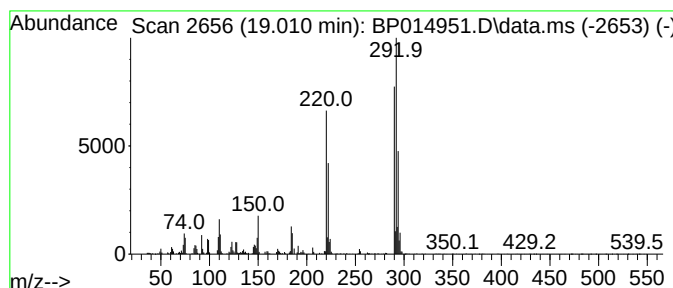
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\SFAM-EPA-BP050323.MA.M
Quant Title : SVOA CALIBRATION

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

Peak Number 16 2,3,3',6-Tetrachloro-1,1'-b... Concentration Rank 21

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.010	4.32 ng/ul	844691	Phenanthrene-d10	17.563

Hit#	of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2,3,3',6-Tetrachloro-1,1'-biphenyl	290	C12H6Cl4	074472-33-6	99	
2	1,1'-Biphenyl, 2,3',4',6-tetrach...	290	C12H6Cl4	041464-46-4	99	
3	1,1'-Biphenyl, 3,3',4,5'-tetrach...	290	C12H6Cl4	041464-48-6	99	
4	2,3',4,5-Tetrachloro-1,1'-biphenyl	290	C12H6Cl4	073575-53-8	99	
5	1,1'-Biphenyl, 2,2',3,4-tetrachl...	290	C12H6Cl4	052663-59-9	99	



Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP050423\
Data File : BP014951.D
Acq On : 04 May 2023 14:26
Operator : CG/JU
Sample : 02447-20
Misc :
ALS Vial : 11 Sample Multiplier: 1

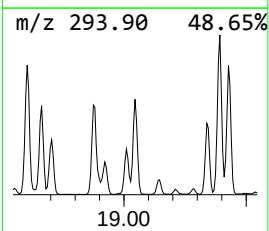
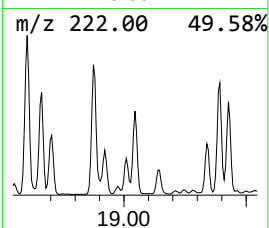
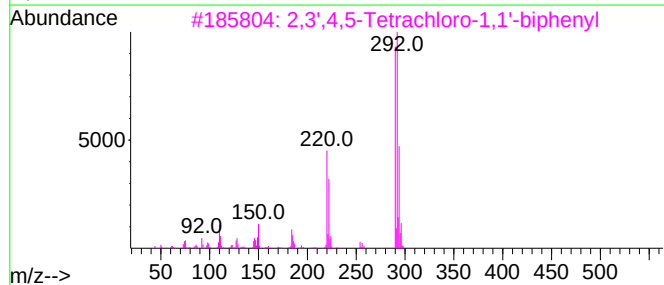
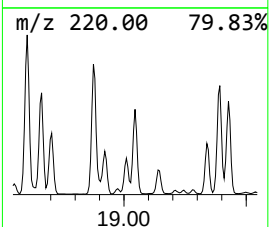
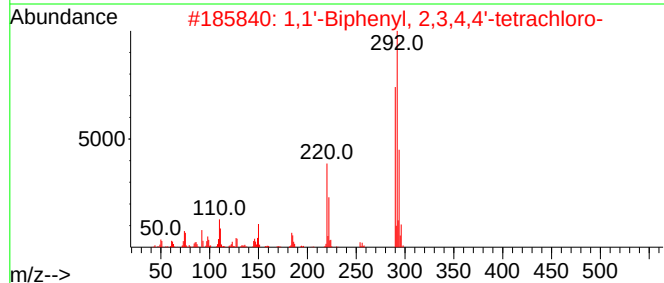
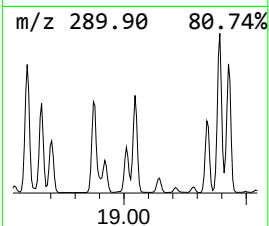
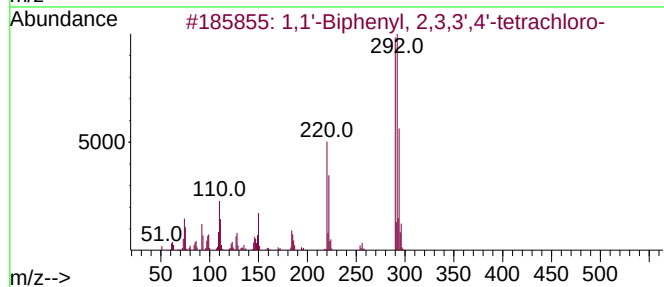
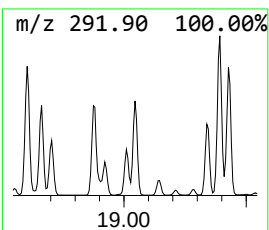
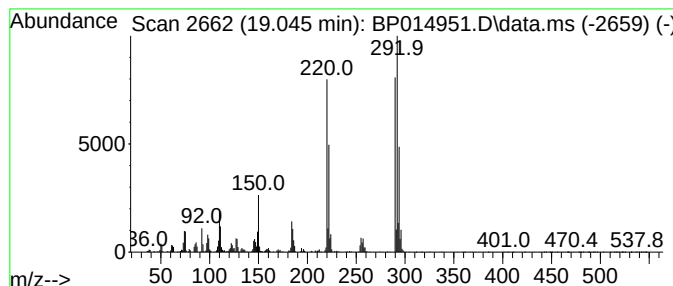
Instrument :
BNA_P
ClientSampleId :
EW938

Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\SFAM-EPA-BP050323.MA.M
Quant Title : SVOA CALIBRATION

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

Peak Number 17 1,1'-Biphenyl, 2,3,3',4'-te... Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.	
19.045	9.21 ng/ul	1801860	Phenanthrene-d10	17.563	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,1'-Biphenyl, 2,3,3',4'-tetrach...	290	C12H6Cl4	041464-43-1	99
2	1,1'-Biphenyl, 2,3,4,4'-tetrachl...	290	C12H6Cl4	033025-41-1	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, 3,3',5,5'-tetrach...	290	C12H6Cl4	033284-52-5	99



Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP050423\
Data File : BP014951.D
Acq On : 04 May 2023 14:26
Operator : CG/JU
Sample : 02447-20
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
EW938

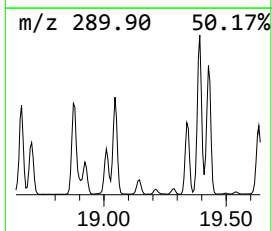
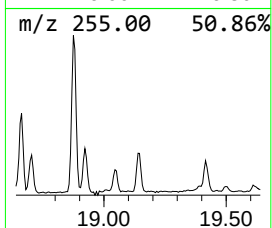
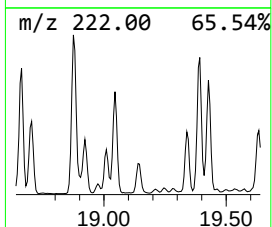
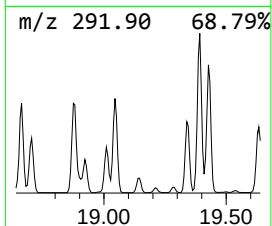
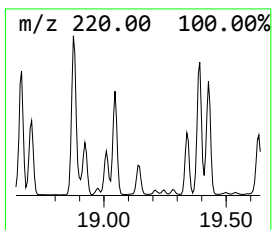
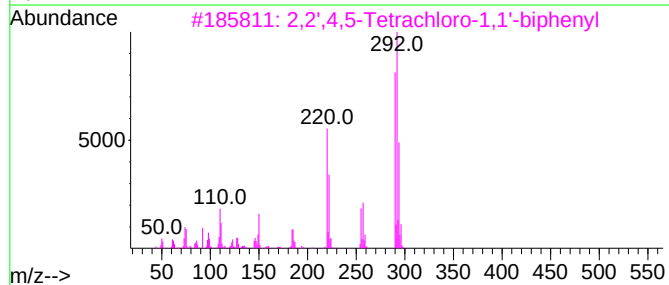
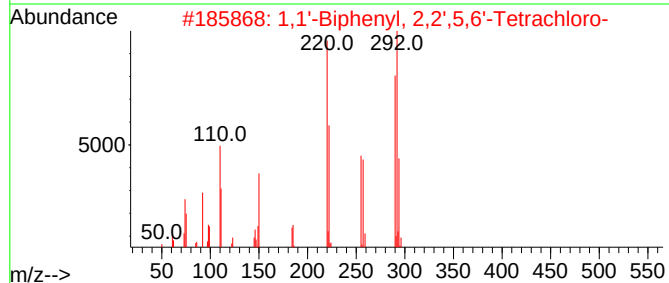
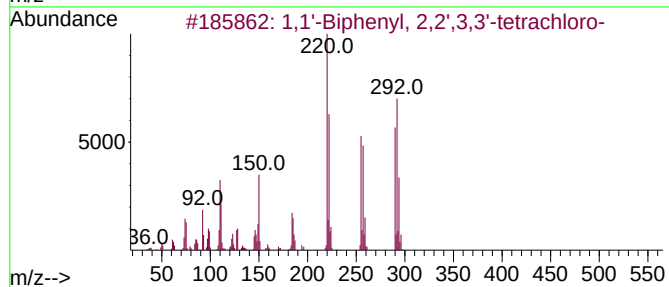
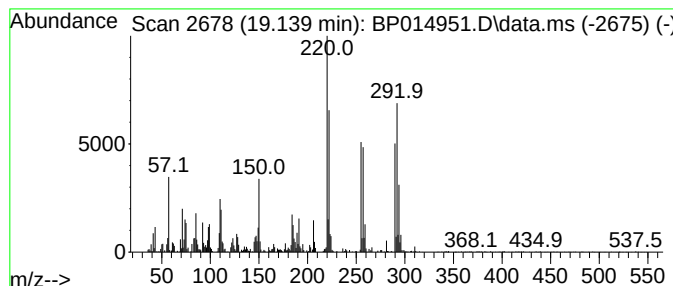
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\SFAM-EPA-BP050323.MA.M
Quant Title : SVOA CALIBRATION

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

Peak Number 18 1,1'-Biphenyl, 2,2',3,3'-te... Concentration Rank 26

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.139	3.38 ng/ul	661301	Phenanthrene-d10	17.563

Hit#	of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,1'-Biphenyl, 2,2',3,3'-tetrach...	290	C12H6Cl4	038444-93-8	99	
2	1,1'-Biphenyl, 2,2',5,6'-Tetrach...	290	C12H6Cl4	041464-41-9	99	
3	2,2',4,5-Tetrachloro-1,1'-biphenyl	290	C12H6Cl4	070362-47-9	99	
4	2,2',3,6-Tetrachloro-1,1'-biphenyl	290	C12H6Cl4	070362-45-7	99	
5	1,1'-Biphenyl, 2,2',6,6'-tetrach...	290	C12H6Cl4	015968-05-5	99	



Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP050423\
Data File : BP014951.D
Acq On : 04 May 2023 14:26
Operator : CG/JU
Sample : 02447-20
Misc :
ALS Vial : 11 Sample Multiplier: 1

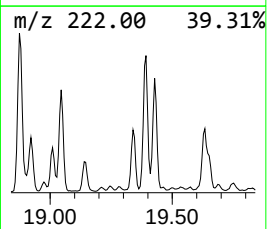
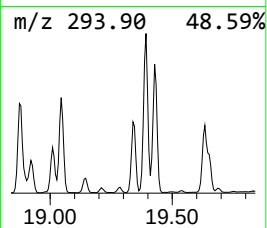
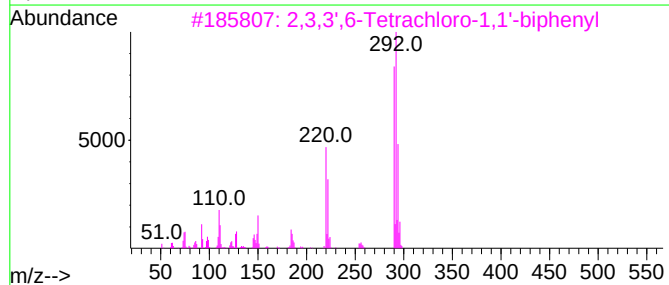
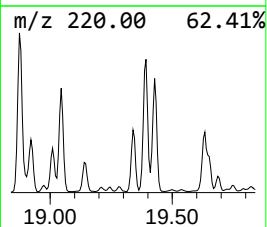
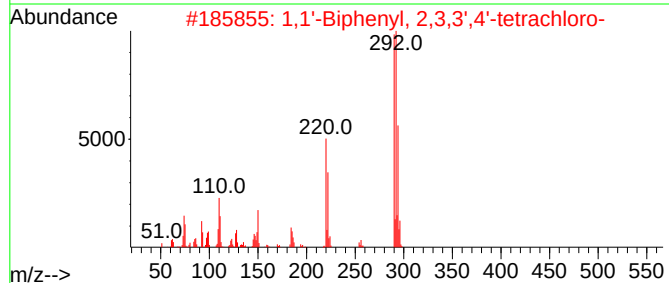
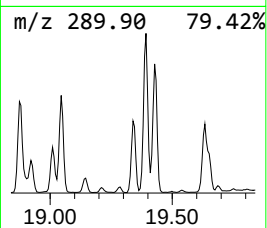
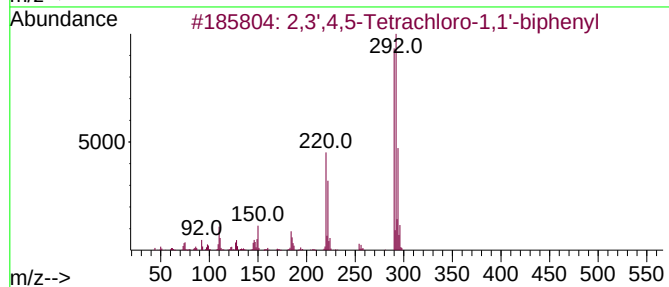
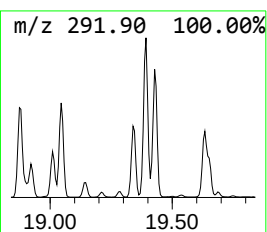
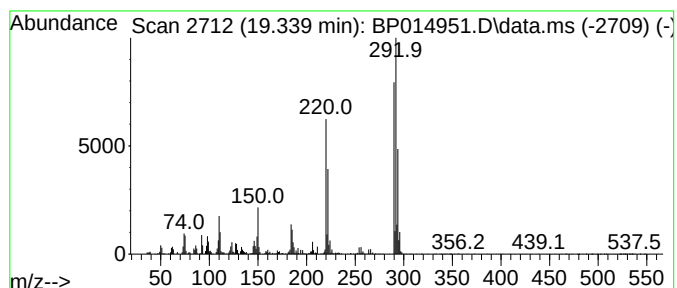
Instrument :
BNA_P
ClientSampleId :
EW938

Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\SFAM-EPA-BP050323.MA.M
Quant Title : SVOA CALIBRATION

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

Peak Number 19 2,3',4,5-Tetrachloro-1,1'-b... Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.	
19.339	6.69 ng/ul	1309370	Phenanthrene-d10	17.563	
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, 2,3,3',4'-tetrach...	290	C12H6Cl4	041464-43-1	99
3	2,3,3',6-Tetrachloro-1,1'-biphenyl	290	C12H6Cl4	074472-33-6	99
4	1,1'-Biphenyl, 2,3,3',4'-tetrach...	290	C12H6Cl4	041464-43-1	99
5	1,1'-Biphenyl, 2,3,3',5'-tetrach...	290	C12H6Cl4	041464-49-7	99



Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP050423\
Data File : BP014951.D
Acq On : 04 May 2023 14:26
Operator : CG/JU
Sample : 02447-20
Misc :
ALS Vial : 11 Sample Multiplier: 1

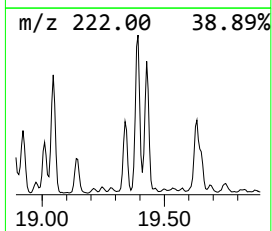
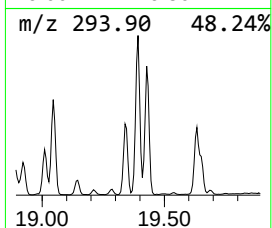
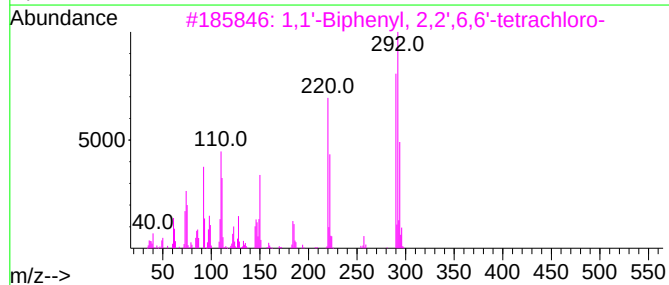
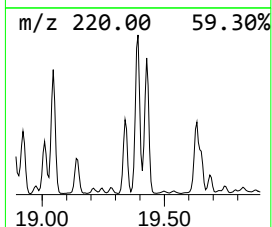
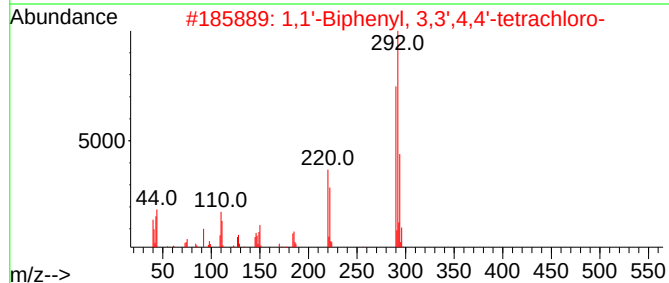
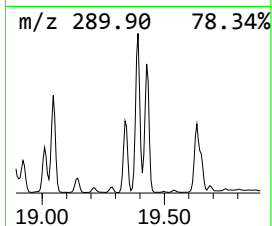
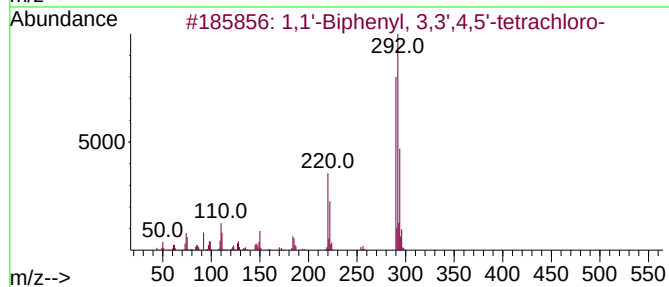
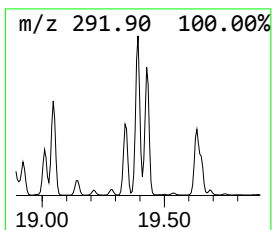
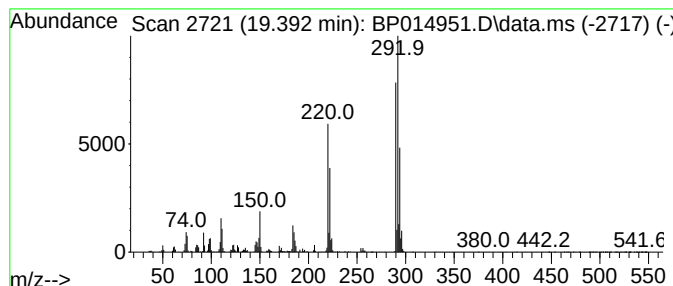
Instrument :
BNA_P
ClientSampleId :
EW938

Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\SFAM-EPA-BP050323.MA.M
Quant Title : SVOA CALIBRATION

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

Peak Number 20 1,1'-Biphenyl, 3,3',4,5'-te... Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD		R.T.	
19.392	14.80 ng/ul	2895130	Phenanthrene-d10		17.563	
Hit# of 5	Tentative ID		MW	MolForm	CAS#	Qual
1	1,1'-Biphenyl, 3,3',4,5'-tetrach...		290	C12H6Cl4	041464-48-6	99
2	1,1'-Biphenyl, 3,3',4,4'-tetrach...		290	C12H6Cl4	032598-13-3	99
3	1,1'-Biphenyl, 2,2',6,6'-tetrach...		290	C12H6Cl4	015968-05-5	99
4	1,1'-Biphenyl, 2,3',5,5'-tetrach...		290	C12H6Cl4	041464-42-0	99
5	1,1'-Biphenyl, 2,3,3',5'-tetrach...		290	C12H6Cl4	041464-49-7	98



Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP050423\
Data File : BP014951.D
Acq On : 04 May 2023 14:26
Operator : CG/JU
Sample : 02447-20
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
EW938

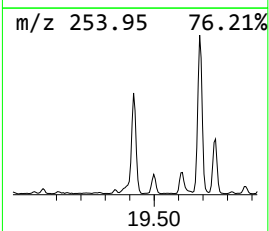
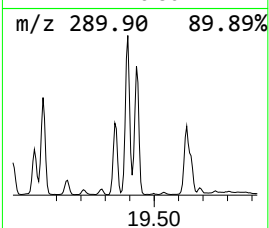
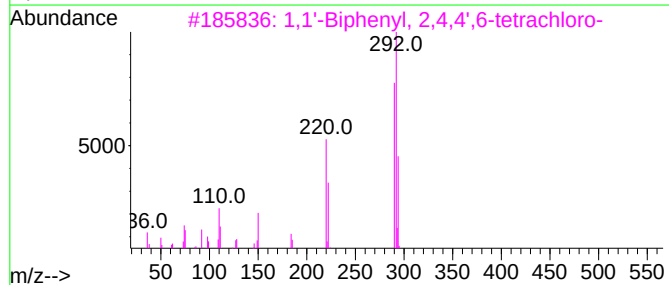
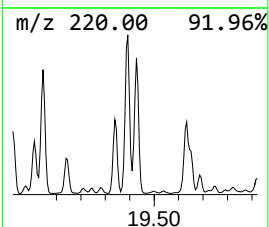
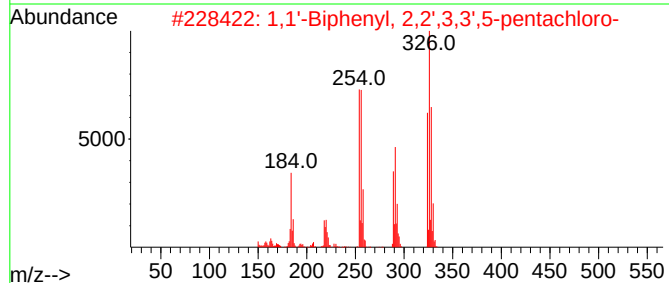
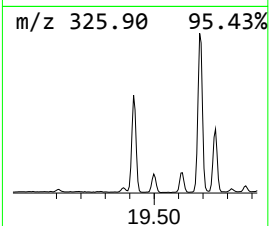
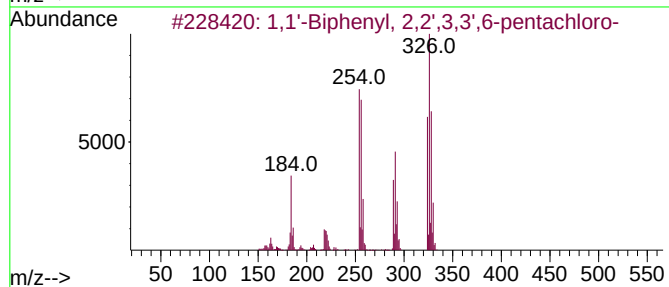
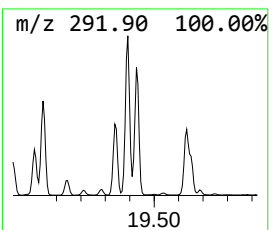
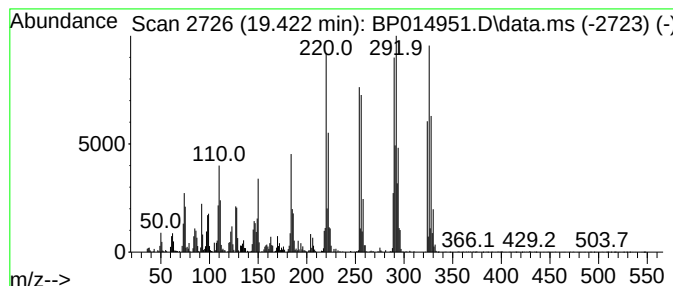
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\SFAM-EPA-BP050323.MA.M
Quant Title : SVOA CALIBRATION

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

Peak Number 21 1,1'-Biphenyl, 2,2',3,3',6-... Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.422	19.47 ng/ul	3808840	Phenanthrene-d10	17.563

Hit#	of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,1'-Biphenyl, 2,2',3,3',6-penta...	324	C12H5Cl5	052663-60-2	97	
2	1,1'-Biphenyl, 2,2',3,3',5-penta...	324	C12H5Cl5	060145-20-2	97	
3	1,1'-Biphenyl, 2,4,4',6-tetrachl...	290	C12H6Cl4	032598-12-2	97	
4	3,3',4,5-Tetrachloro-1,1'-biphenyl	290	C12H6Cl4	070362-49-1	97	
5	1,1'-Biphenyl, 2,2',3,4-tetrachl...	290	C12H6Cl4	052663-59-9	97	



Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP050423\
Data File : BP014951.D
Acq On : 04 May 2023 14:26
Operator : CG/JU
Sample : 02447-20
Misc :
ALS Vial : 11 Sample Multiplier: 1

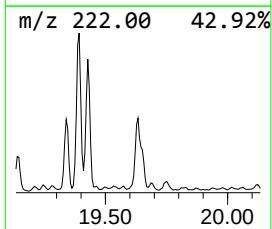
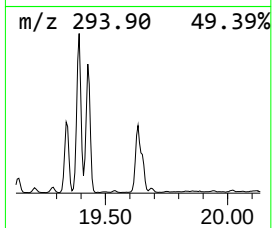
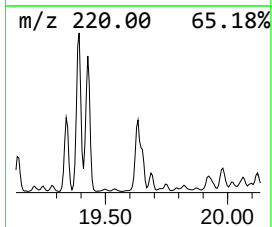
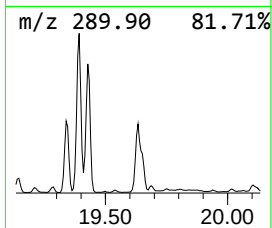
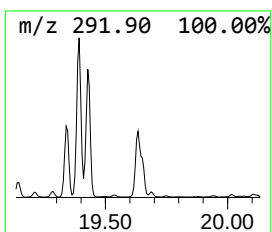
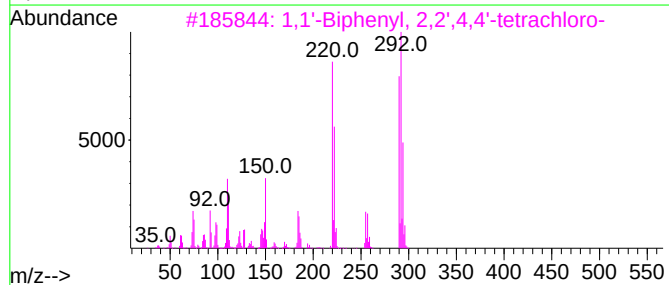
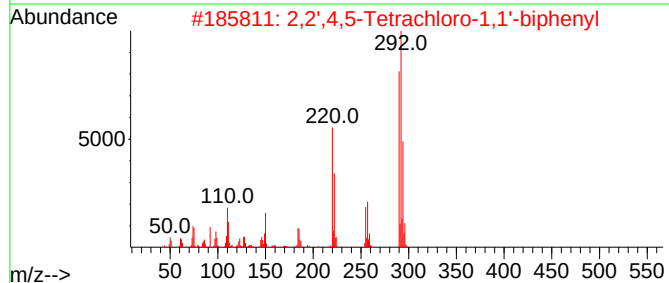
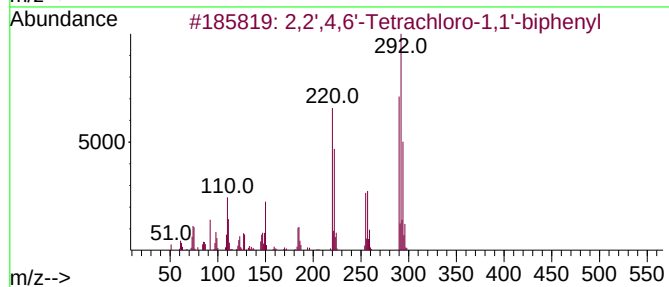
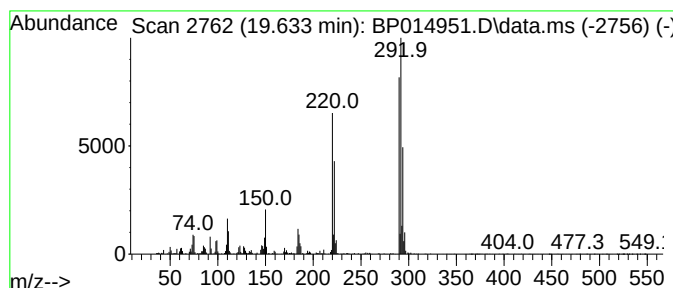
Instrument :
BNA_P
ClientSampleId :
EW938

Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\SFAM-EPA-BP050323.MA.M
Quant Title : SVOA CALIBRATION

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

Peak Number 22 3,3',4,5-Tetrachloro-1,1'-b... Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.	
19.633	6.90 ng/ul	2092010	Chrysene-d12	21.645	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2,2',4,6'-Tetrachloro-1,1'-biphenyl	290	C12H6Cl4	068194-04-7	99
2	2,2',4,5-Tetrachloro-1,1'-biphenyl	290	C12H6Cl4	070362-47-9	99
3	1,1'-Biphenyl, 2,2',4,4'-tetrach...	290	C12H6Cl4	002437-79-8	99
4	3,3',4,5-Tetrachloro-1,1'-biphenyl	290	C12H6Cl4	070362-49-1	99
5	1,1'-Biphenyl, 2,2',4,4'-tetrach...	290	C12H6Cl4	002437-79-8	99



Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP050423\
Data File : BP014951.D
Acq On : 04 May 2023 14:26
Operator : CG/JU
Sample : 02447-20
Misc :
ALS Vial : 11 Sample Multiplier: 1

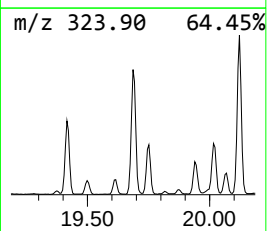
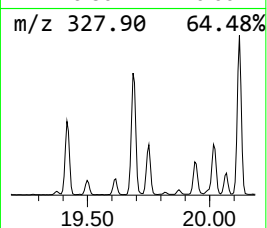
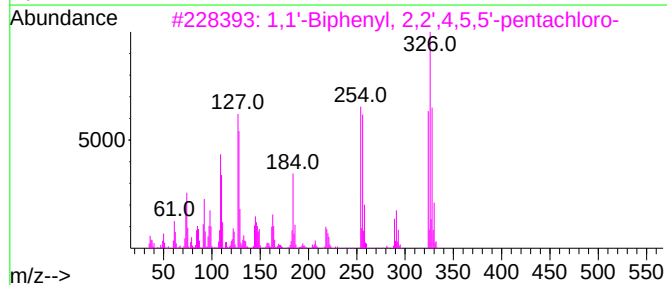
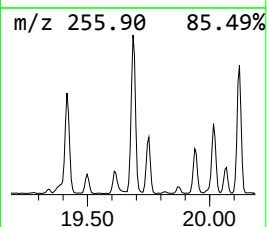
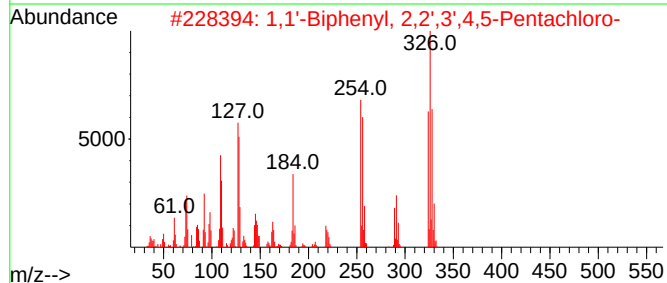
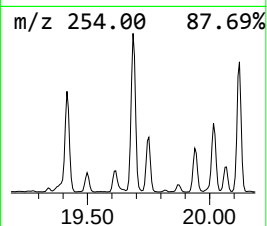
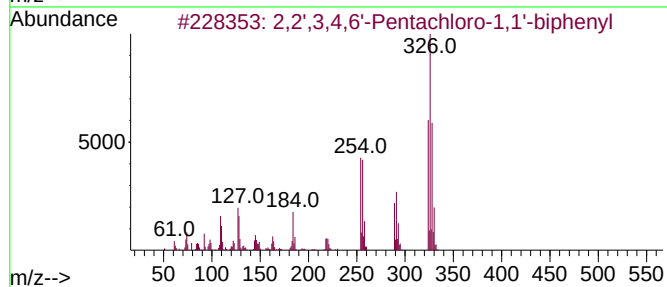
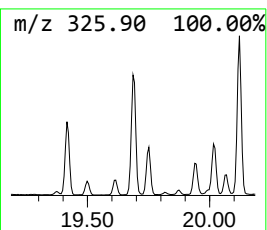
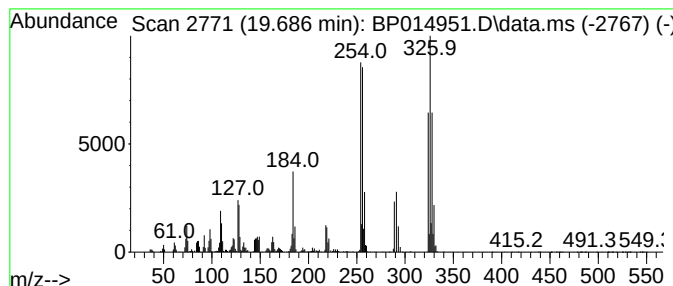
Instrument :
BNA_P
ClientSampleId :
EW938

Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\SFAM-EPA-BP050323.MA.M
Quant Title : SVOA CALIBRATION

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

Peak Number 23 2,2',3,4,6'-Pentachloro-1,1... Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.	
19.686	9.56 ng/ul	2899940	Chrysene-d12	21.645	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2,2',3,4,6'-Pentachloro-1,1'-bip...	324	C12H5Cl5	073575-57-2	99
2	1,1'-Biphenyl, 2,2',3',4,5-Penta...	324	C12H5Cl5	041464-51-1	99
3	1,1'-Biphenyl, 2,2',4,5,5'-penta...	324	C12H5Cl5	037680-73-2	99
4	1,1'-Biphenyl, 2,2',3,4,6-Pentac...	324	C12H5Cl5	055215-17-3	98
5	1,1'-Biphenyl, 2,2',3,5,5'-penta...	324	C12H5Cl5	052663-61-3	98



Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP050423\
Data File : BP014951.D
Acq On : 04 May 2023 14:26
Operator : CG/JU
Sample : 02447-20
Misc :
ALS Vial : 11 Sample Multiplier: 1

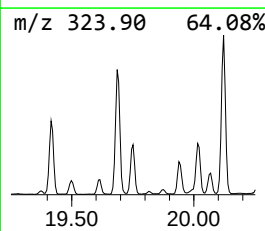
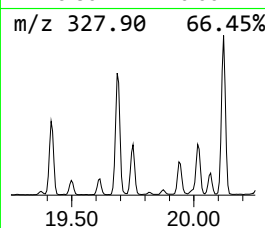
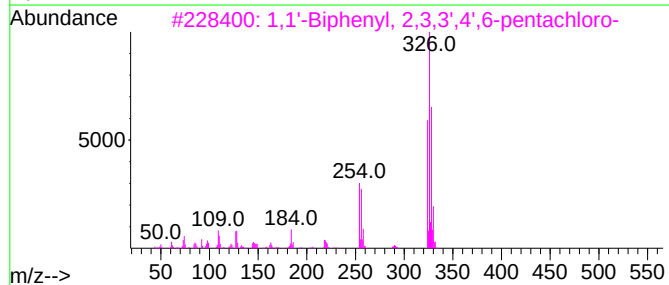
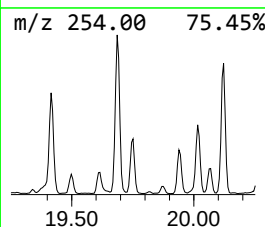
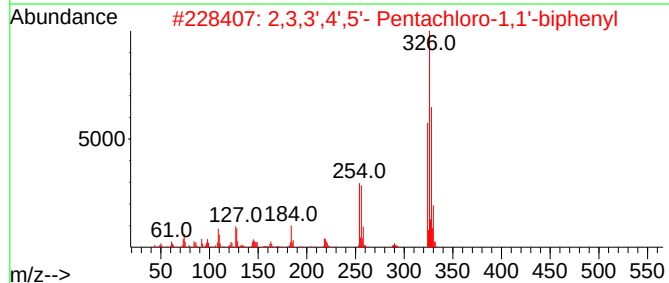
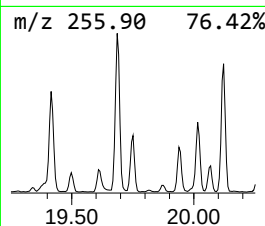
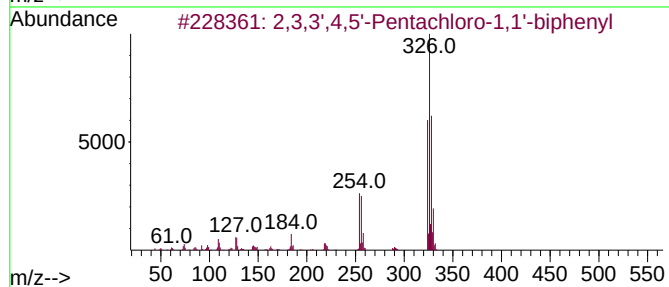
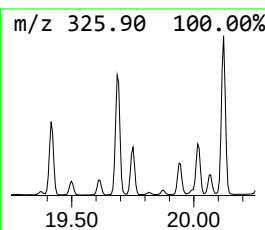
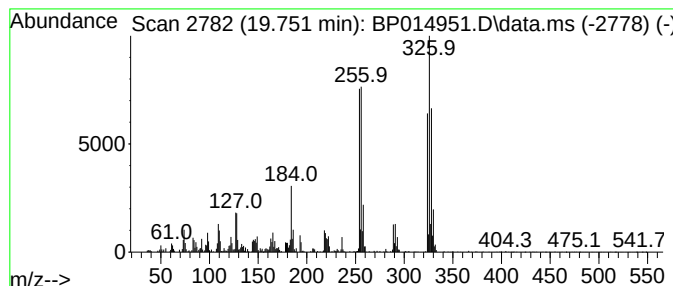
Instrument :
BNA_P
ClientSampleId :
EW938

Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\SFAM-EPA-BP050323.MA.M
Quant Title : SVOA CALIBRATION

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

Peak Number 24 2,3,3',4,5'-Pentachloro-1,1... Concentration Rank 27

R.T.	EstConc	Area	Relative to ISTD	R.T.	
19.751	3.31 ng/ul	1004020	Chrysene-d12	21.645	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2,3,3',4,5'-Pentachloro-1,1'-bip...	324	C12H5Cl5	070362-41-3	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',6-penta...	324	C12H5Cl5	038380-03-9	99
4	1,1'-Biphenyl, 2,2',4,6,6'-Penta...	324	C12H5Cl5	056558-16-8	99
5	1,1'-Biphenyl, 2,3',4,4',5-penta...	324	C12H5Cl5	031508-00-6	99



Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP050423\
Data File : BP014951.D
Acq On : 04 May 2023 14:26
Operator : CG/JU
Sample : 02447-20
Misc :
ALS Vial : 11 Sample Multiplier: 1

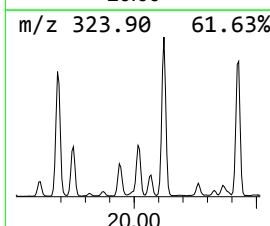
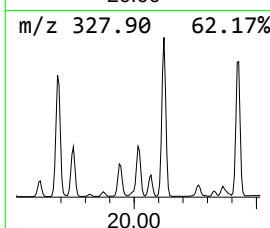
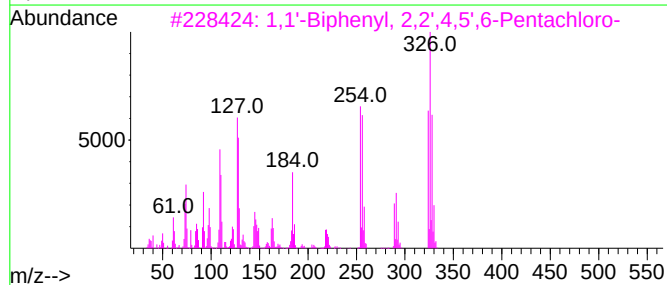
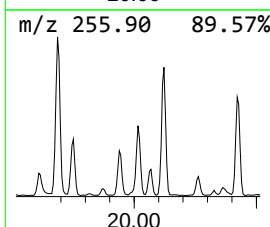
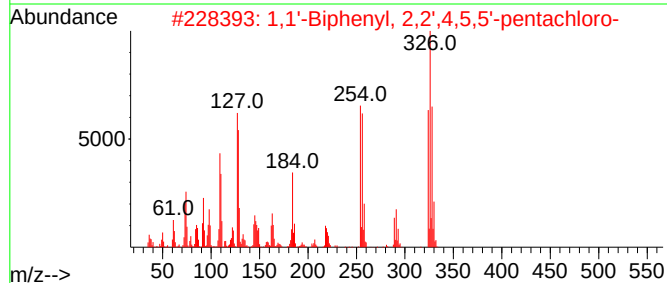
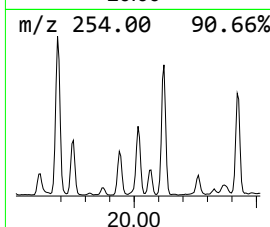
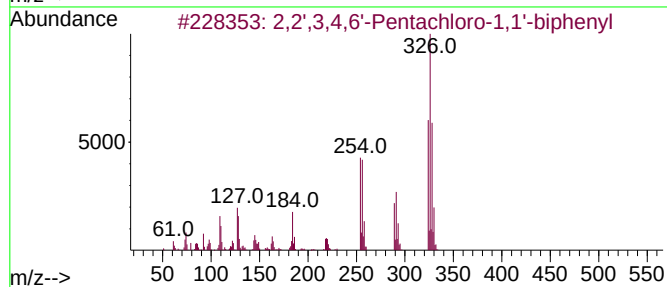
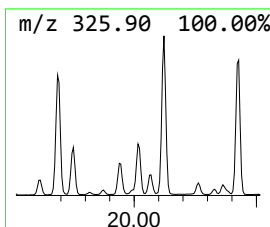
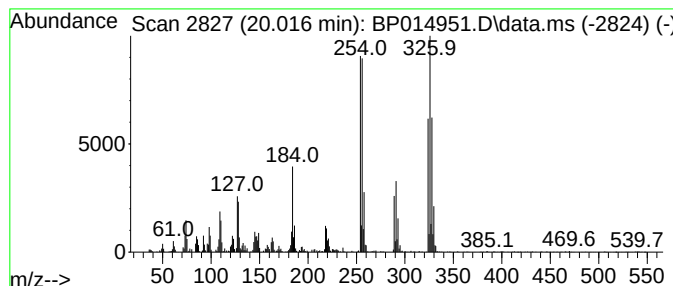
Instrument :
BNA_P
ClientSampleId :
EW938

Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\SFAM-EPA-BP050323.MA.M
Quant Title : SVOA CALIBRATION

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

Peak Number 25 1,1'-Biphenyl, 2,2',4,5,5'-... Concentration Rank 24

R.T.	EstConc	Area	Relative to ISTD	R.T.	
20.016	3.48 ng/ul	1056540	Chrysene-d12	21.645	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2,2',3,4,6'-Pentachloro-1,1'-bip...	324	C12H5Cl5	073575-57-2	99
2	1,1'-Biphenyl, 2,2',4,5,5'-penta...	324	C12H5Cl5	037680-73-2	99
3	1,1'-Biphenyl, 2,2',4,5',6-Penta...	324	C12H5Cl5	060145-21-3	99
4	1,1'-Biphenyl, 2,2',3',4,6-Penta...	324	C12H5Cl5	060233-25-2	98
5	1,1'-Biphenyl, 2,2',3',4,5-Penta...	324	C12H5Cl5	041464-51-1	98



Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP050423\
Data File : BP014951.D
Acq On : 04 May 2023 14:26
Operator : CG/JU
Sample : 02447-20
Misc :
ALS Vial : 11 Sample Multiplier: 1

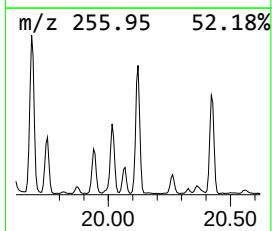
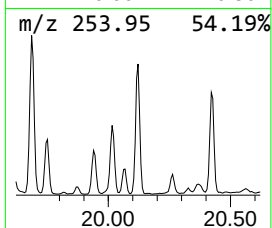
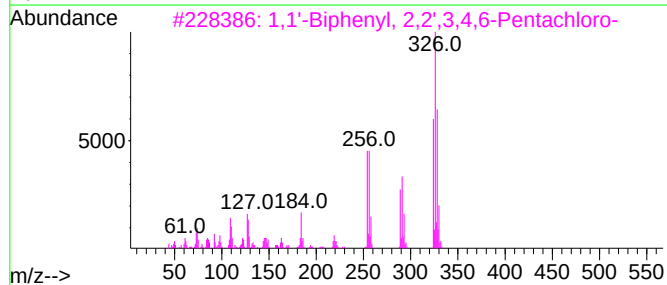
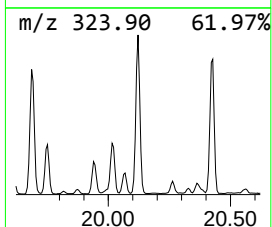
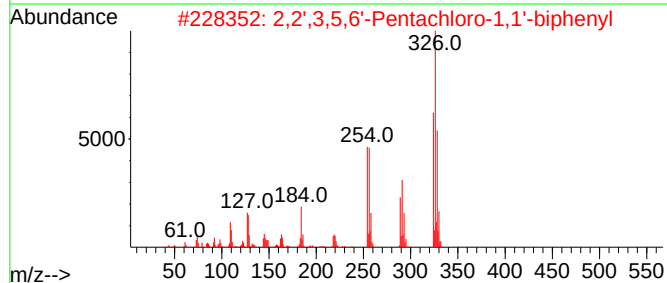
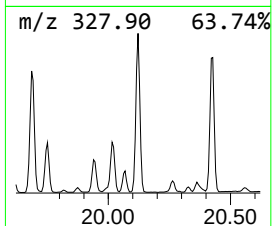
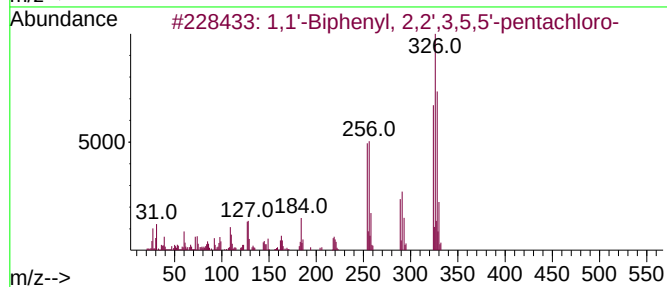
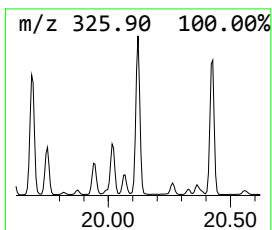
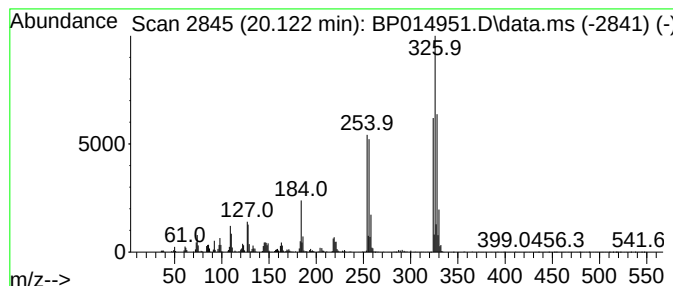
Instrument :
BNA_P
ClientSampleId :
EW938

Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\SFAM-EPA-BP050323.MA.M
Quant Title : SVOA CALIBRATION

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

Peak Number 26 1,1'-Biphenyl, 2,2',3,5,5'-... Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.		
20.122	8.08 ng/ul	2451830	Chrysene-d12	21.645		
Hit#	of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,1'-Biphenyl, 2,2',3,5,5'-penta...	324	C12H5Cl5	052663-61-3	99	
2	2,2',3,5,6'-Pentachloro-1,1'-bip...	324	C12H5Cl5	073575-55-0	99	
3	1,1'-Biphenyl, 2,2',3,4,6-Pentac...	324	C12H5Cl5	055215-17-3	99	
4	1,1'-Biphenyl, 2,2',3',4,6-Penta...	324	C12H5Cl5	060233-25-2	99	
5	2,3,3',4',5'- Pentachloro-1,1'-b...	324	C12H5Cl5	076842-07-4	99	



Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP050423\
Data File : BP014951.D
Acq On : 04 May 2023 14:26
Operator : CG/JU
Sample : 02447-20
Misc :
ALS Vial : 11 Sample Multiplier: 1

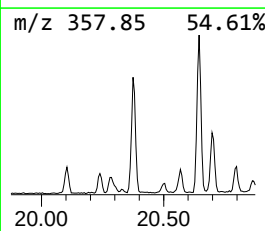
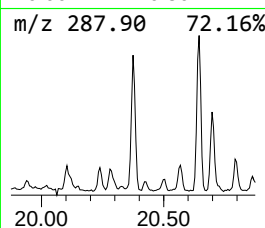
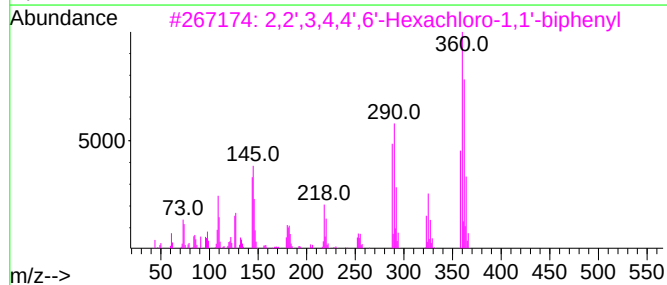
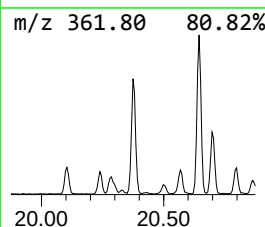
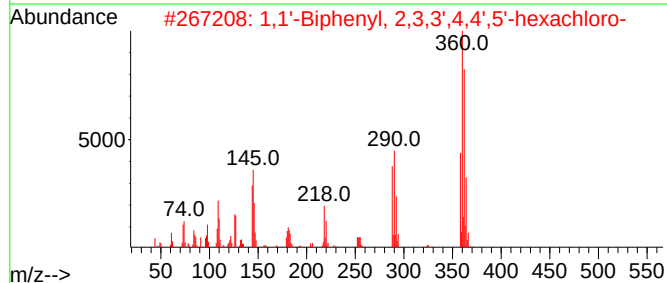
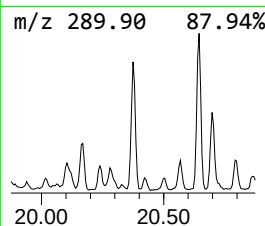
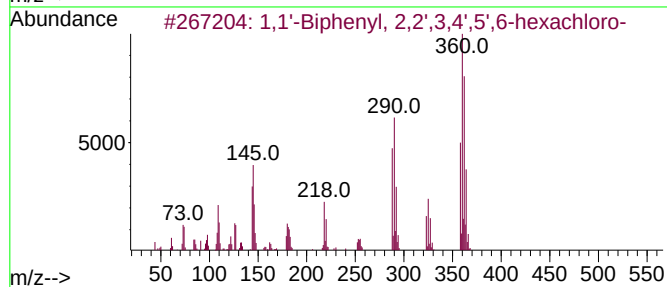
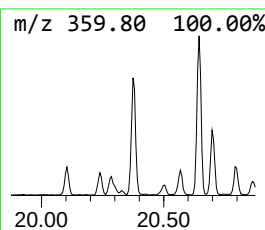
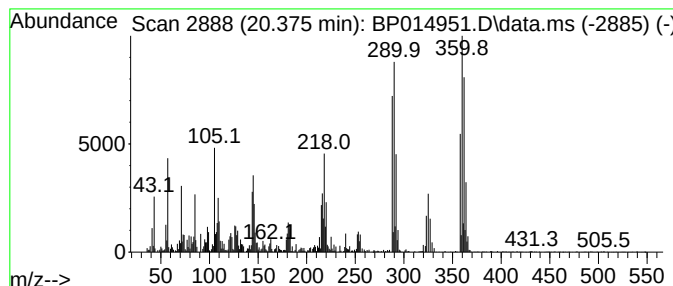
Instrument :
BNA_P
ClientSampleId :
EW938

Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\SFAM-EPA-BP050323.MA.M
Quant Title : SVOA CALIBRATION

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

Peak Number 27 1,1'-Biphenyl, 2,2',3,4',5'... Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.	
20.375	5.00 ng/ul	1517340	Chrysene-d12	21.645	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,1'-Biphenyl, 2,2',3,4',5',6-he...	358	C12H4Cl6	038380-04-0	99
2	1,1'-Biphenyl, 2,3,3',4,4',5'-he...	358	C12H4Cl6	069782-90-7	99
3	2,2',3,4,4',6'-Hexachloro-1,1'-b...	358	C12H4Cl6	059291-64-4	99
4	2,2',3,4',5,6-Hexachloro-1,1'-bi...	358	C12H4Cl6	068194-13-8	99
5	2,3,3',4',5',6-Hexachloro-1,1'-b...	358	C12H4Cl6	074472-45-0	99



Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP050423\
Data File : BP014951.D
Acq On : 04 May 2023 14:26
Operator : CG/JU
Sample : 02447-20
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
EW938

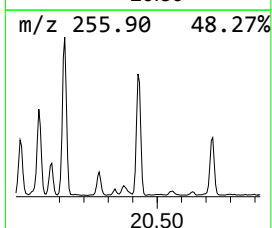
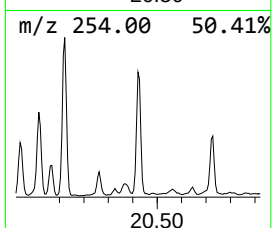
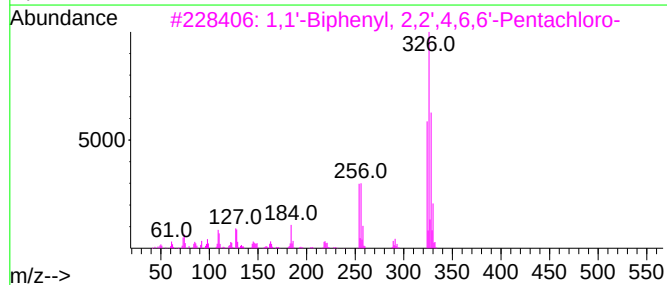
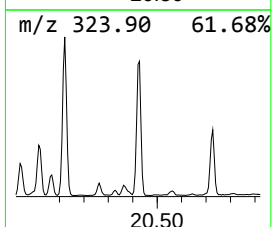
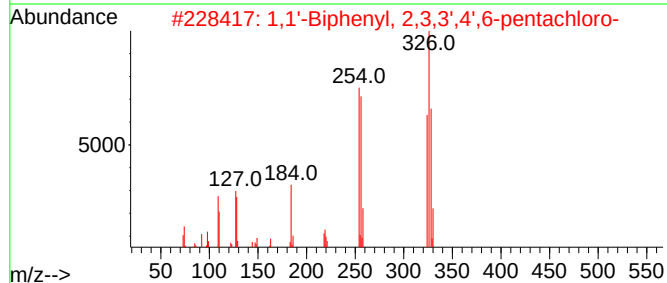
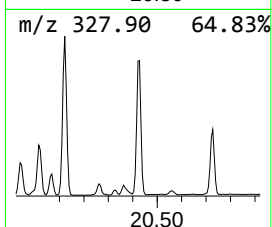
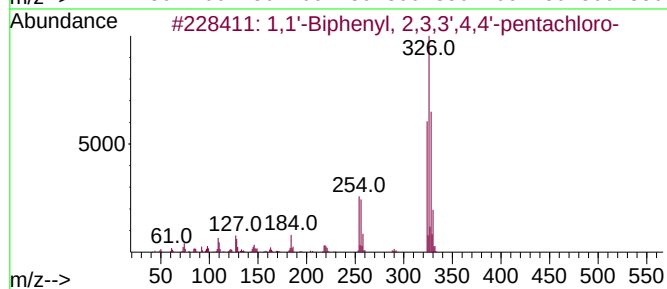
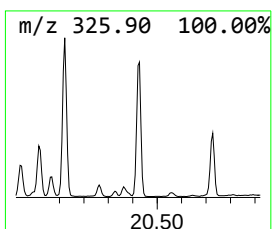
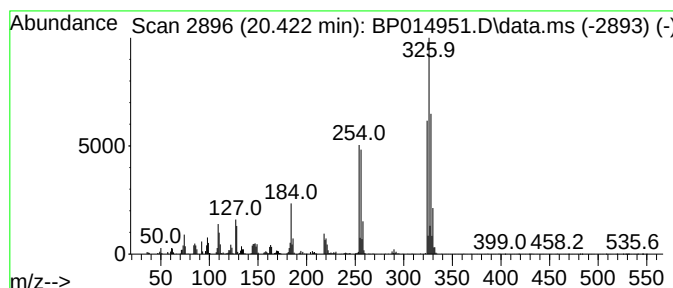
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\SFAM-EPA-BP050323.MA.M
Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST20.L

TIC Integration Parameters: LSCINT.P

Peak Number 28 1,1'-Biphenyl, 2,3,3',4,4'-... Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.		
20.422	6.91 ng/ul	2097020	Chrysene-d12	21.645		
Hit#	of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,1'-Biphenyl, 2,3,3',4,4'-penta...	324	C12H5Cl5	032598-14-4	99	
2	1,1'-Biphenyl, 2,3,3',4',6-penta...	324	C12H5Cl5	038380-03-9	99	
3	1,1'-Biphenyl, 2,2',4,6,6'-Penta...	324	C12H5Cl5	056558-16-8	99	
4	3,3',4,4',5-Pentachloro-1,1'-bi...	324	C12H5Cl5	057465-28-8	99	
5	1,1'-Biphenyl, 2,3',4,4',5-penta...	324	C12H5Cl5	031508-00-6	99	



Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP050423\
Data File : BP014951.D
Acq On : 04 May 2023 14:26
Operator : CG/JU
Sample : 02447-20
Misc :
ALS Vial : 11 Sample Multiplier: 1

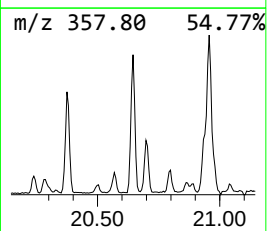
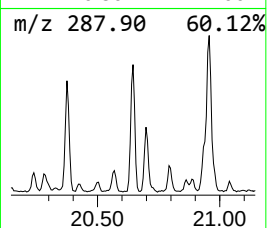
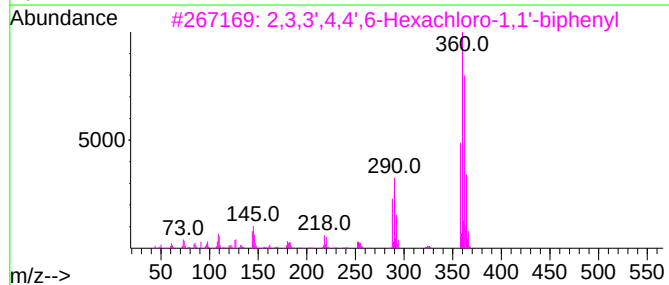
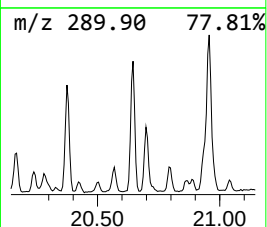
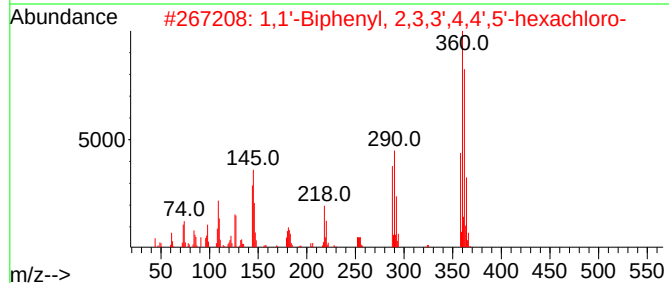
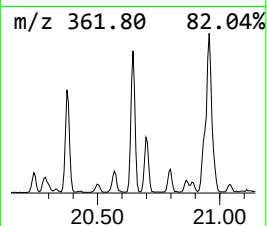
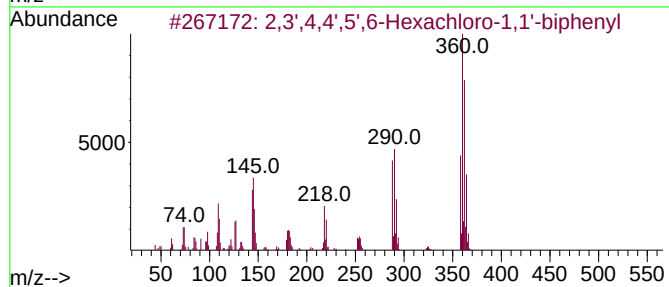
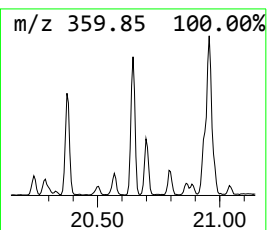
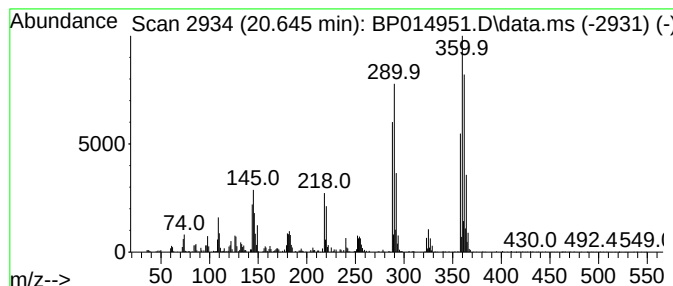
Instrument :
BNA_P
ClientSampleId :
EW938

Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\SFAM-EPA-BP050323.MA.M
Quant Title : SVOA CALIBRATION

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

Peak Number 29 2,3',4,4',5',6-Hexachloro-1... Concentration Rank 30

R.T.	EstConc	Area	Relative to ISTD	R.T.	
20.645	3.03 ng/ul	919592	Chrysene-d12	21.645	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2,3',4,4',5',6-Hexachloro-1,1'-b...	358	C12H4Cl6	059291-65-5	99
2	1,1'-Biphenyl, 2,3,3',4,4',5'-he...	358	C12H4Cl6	069782-90-7	99
3	2,3,3',4,4',6-Hexachloro-1,1'-bi...	358	C12H4Cl6	074472-42-7	99
4	1,1'-Biphenyl, 2,3',4,4',5,5'-he...	358	C12H4Cl6	052663-72-6	99
5	2,3,3',4,5',6-Hexachloro-1,1'-bi...	358	C12H4Cl6	074472-43-8	99



Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP050423\
Data File : BP014951.D
Acq On : 04 May 2023 14:26
Operator : CG/JU
Sample : 02447-20
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
EW938

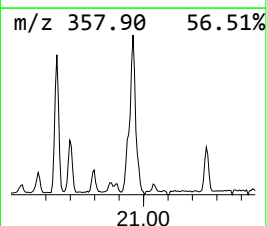
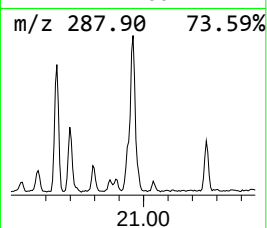
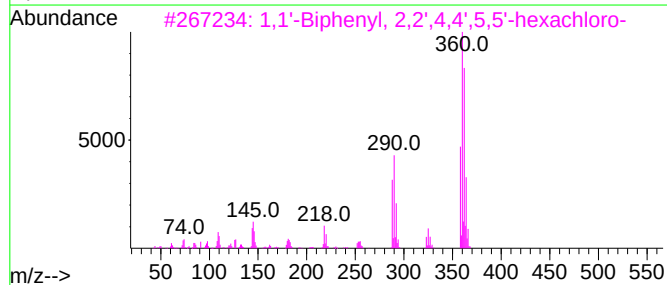
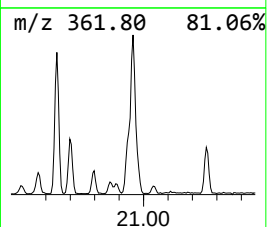
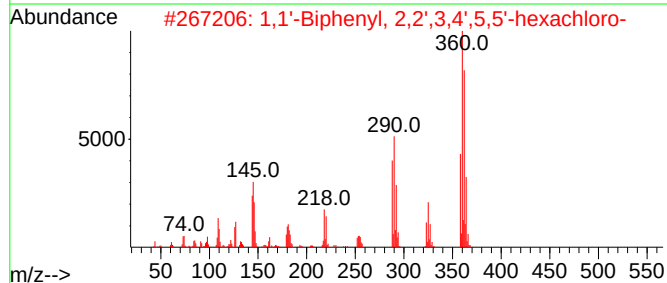
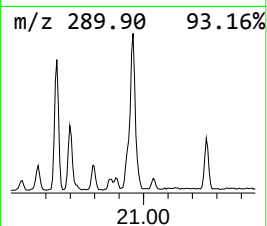
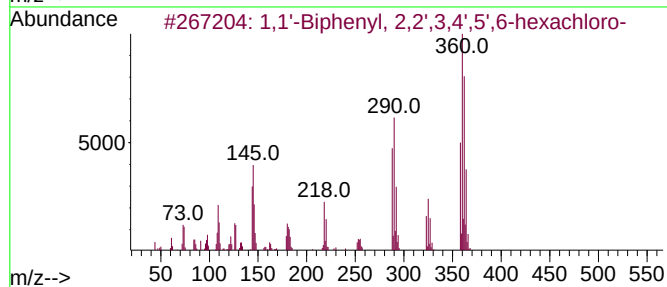
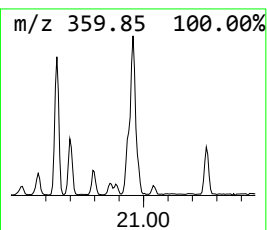
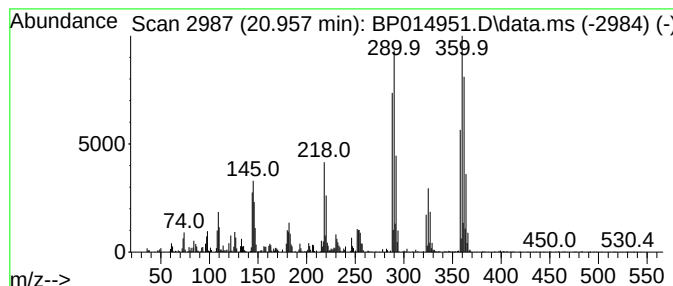
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\SFAM-EPA-BP050323.MA.M
Quant Title : SVOA CALIBRATION

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

Peak Number 30 1,1'-Biphenyl, 2,2',4,4',5,... Concentration Rank 22

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.957	4.15 ng/ul	1258940	Chrysene-d12	21.645

Hit#	of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,1'-Biphenyl, 2,2',3,4',5',6-he...	358	C12H4Cl6	038380-04-0	99	
2	1,1'-Biphenyl, 2,2',3,4',5,5'-he...	358	C12H4Cl6	051908-16-8	99	
3	1,1'-Biphenyl, 2,2',4,4',5,5'-he...	358	C12H4Cl6	035065-27-1	99	
4	2,3,3',4,4',6-Hexachloro-1,1'-bi...	358	C12H4Cl6	074472-42-7	99	
5	2,2',3,5,6,6'-Hexachloro-1,1'-bi...	358	C12H4Cl6	068194-09-2	99	



Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP050423\
Data File : BP014951.D
Acq On : 04 May 2023 14:26
Operator : CG/JU
Sample : 02447-20
Misc :
ALS Vial : 11 Sample Multiplier: 1

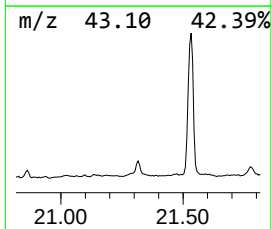
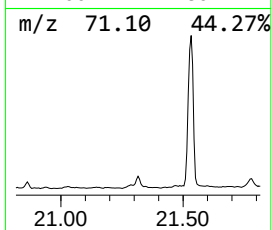
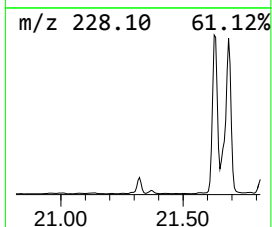
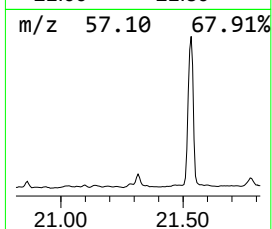
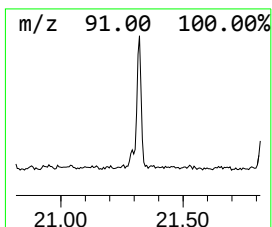
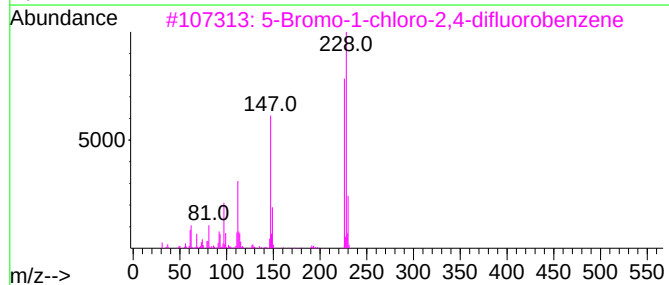
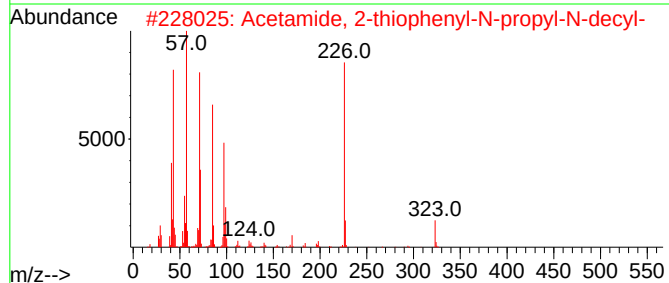
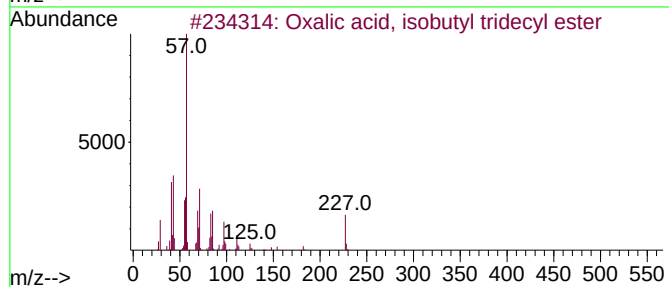
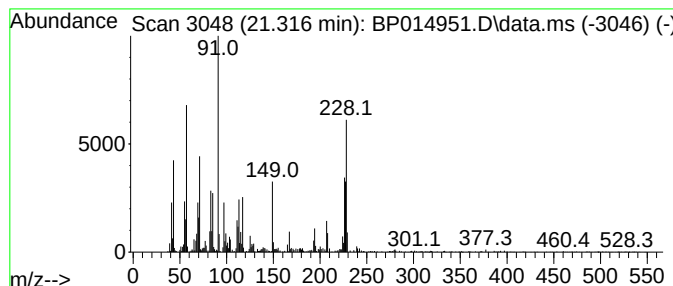
Instrument :
BNA_P
ClientSampleId :
EW938

Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\SFAM-EPA-BP050323.MA.M
Quant Title : SVOA CALIBRATION

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

Peak Number 31 unknown-01 Concentration Rank 25

R.T.	EstConc	Area	Relative to ISTD	R.T.	
21.316	3.40 ng/ul	1032050	Chrysene-d12	21.645	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Oxalic acid, isobutyl tridecyl e...	328	C19H36O4	1000309-37-8	25
2	Acetamide, 2-thiophenyl-N-propyl...	323	C19H33NOS	1000437-58-2	25
3	5-Bromo-1-chloro-2,4-difluoroben...	226	C6H2BrClF2	914636-89-8	22
4	Benzo[c]phenanthrene	228	C18H12	000195-19-7	22
5	1-Bromo-4-chloro-2,5-difluoroben...	226	C6H2BrClF2	172921-33-4	18



Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP050423\
 Data File : BP014951.D
 Acq On : 04 May 2023 14:26
 Operator : CG/JU
 Sample : 02447-20
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 EW938

Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\SFAM-EPA-BP050323.MA.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, ...	16.057	3.3	ng/ul	424526	3	14.810	2593590	20.0
Benzophenone	16.163	5.9	ng/ul	766168	3	14.810	2593590	20.0
1,1'-Biphenyl, ...	16.787	3.2	ng/ul	619797	4	17.563	3913400	20.0
1,1'-Biphenyl, ...	17.433	6.1	ng/ul	1188820	4	17.563	3913400	20.0
2,3',6-Trichlor...	17.475	2.8	ng/ul	548040	4	17.563	3913400	20.0
1,1'-Biphenyl, ...	18.151	45.0	ng/ul	8814780	4	17.563	3913400	20.0
1,1'-Biphenyl, ...	18.275	8.8	ng/ul	1723370	4	17.563	3913400	20.0
1,1'-Biphenyl, ...	18.392	9.0	ng/ul	1762610	4	17.563	3913400	20.0
2,2',4,6'-Tetra...	18.604	20.4	ng/ul	3999180	4	17.563	3913400	20.0
1,1'-Biphenyl, ...	18.663	12.5	ng/ul	2439470	4	17.563	3913400	20.0
2,2',4,5-Tetrac...	18.704	8.9	ng/ul	1738970	4	17.563	3913400	20.0
1,1'-Biphenyl, ...	18.875	16.3	ng/ul	3188510	4	17.563	3913400	20.0
1,1'-Biphenyl, ...	18.922	5.3	ng/ul	1047590	4	17.563	3913400	20.0
1,1'-Biphenyl, ...	18.975	7.4	ng/ul	1450850	4	17.563	3913400	20.0
2,3,3',6-Tetrac...	19.010	4.3	ng/ul	844691	4	17.563	3913400	20.0
1,1'-Biphenyl, ...	19.045	9.2	ng/ul	1801860	4	17.563	3913400	20.0
1,1'-Biphenyl, ...	19.139	3.4	ng/ul	661301	4	17.563	3913400	20.0
2,3',4,5-Tetrac...	19.339	6.7	ng/ul	1309370	4	17.563	3913400	20.0
1,1'-Biphenyl, ...	19.392	14.8	ng/ul	2895130	4	17.563	3913400	20.0
1,1'-Biphenyl, ...	19.422	19.5	ng/ul	3808840	4	17.563	3913400	20.0
3,3',4,5-Tetrac...	19.633	6.9	ng/ul	2092010	5	21.645	6066970	20.0
2,2',3,4,6'-Pen...	19.686	9.6	ng/ul	2899940	5	21.645	6066970	20.0
2,3,3',4,5'-Pen...	19.751	3.3	ng/ul	1004020	5	21.645	6066970	20.0
1,1'-Biphenyl, ...	20.016	3.5	ng/ul	1056540	5	21.645	6066970	20.0
1,1'-Biphenyl, ...	20.122	8.1	ng/ul	2451830	5	21.645	6066970	20.0
1,1'-Biphenyl, ...	20.375	5.0	ng/ul	1517340	5	21.645	6066970	20.0
1,1'-Biphenyl, ...	20.422	6.9	ng/ul	2097020	5	21.645	6066970	20.0
2,3',4,4',5',6-...	20.645	3.0	ng/ul	919592	5	21.645	6066970	20.0
1,1'-Biphenyl, ...	20.957	4.2	ng/ul	1258940	5	21.645	6066970	20.0
unknown-01	21.316	3.4	ng/ul	1032050	5	21.645	6066970	20.0