

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP050423\
 Data File : BP014966.D
 Acq On : 04 May 2023 22:48
 Operator : CG/JU
 Sample : 02479-02
 Misc :
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 EW943

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: BP014966.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	4.017	102	107	114	rVB	127147	166912	0.88%	0.077%
2	5.617	374	379	386	rVB	130233	197189	1.04%	0.091%
3	6.111	457	463	472	rBV	1014898	1544397	8.13%	0.712%
4	6.622	544	550	557	rBV	212974	324250	1.71%	0.150%
5	7.311	658	667	684	rVB2	648523	1367120	7.20%	0.630%
6	7.481	689	696	702	rVV	582204	894677	4.71%	0.413%
7	7.581	707	713	721	rVV	311889	529028	2.78%	0.244%
8	7.687	724	731	738	rVV	665587	1050801	5.53%	0.485%
9	8.164	803	812	818	rBV	1404663	2280317	12.00%	1.051%
10	8.869	926	932	939	rVV	724521	1218400	6.41%	0.562%
11	8.999	948	954	961	rVV	362825	600520	3.16%	0.277%
12	9.275	993	1001	1006	rBV	95223	167785	0.88%	0.077%
13	9.340	1006	1012	1018	rVV	628843	1027793	5.41%	0.474%
14	10.069	1127	1136	1148	rBV	486038	828260	4.36%	0.382%
15	10.610	1221	1228	1237	rVB	746693	1245289	6.55%	0.574%
16	10.999	1288	1294	1300	rVV	1875466	3266222	17.19%	1.506%
17	11.052	1300	1303	1310	rVB	264335	408253	2.15%	0.188%
18	11.134	1310	1317	1327	rBV2	314109	648208	3.41%	0.299%
19	12.646	1569	1574	1581	rVB	387212	590426	3.11%	0.272%
20	12.863	1605	1611	1620	rVB	254447	395409	2.08%	0.182%
21	13.622	1735	1740	1742	rBV	130020	183326	0.96%	0.085%
22	13.840	1772	1777	1786	rVB	74334	172308	0.91%	0.079%
23	13.969	1793	1799	1800	rBV	131414	174730	0.92%	0.081%
24	14.128	1821	1826	1831	rBV	277585	455069	2.40%	0.210%
25	14.204	1831	1839	1844	rBV	1298179	2010524	10.58%	0.927%
26	14.504	1884	1890	1902	rBV2	1538884	2787343	14.67%	1.285%
27	14.687	1917	1921	1930	rVB	142449	213033	1.12%	0.098%
28	14.810	1930	1942	1947	rBV	2638909	4153844	21.87%	1.915%
29	14.869	1948	1952	1959	rVV	1015658	1560627	8.21%	0.720%
30	14.993	1968	1973	1984	rVV2	190016	429112	2.26%	0.198%
31	15.204	2003	2009	2014	rBV	714427	1063624	5.60%	0.490%
32	15.422	2041	2046	2050	rBV	99626	174176	0.92%	0.080%
33	15.593	2069	2075	2078	rBV3	134479	255519	1.35%	0.118%
34	15.634	2079	2082	2086	rVB2	154825	195984	1.03%	0.090%
35	15.798	2105	2110	2115	rBV	1744999	2379278	12.52%	1.097%
36	15.851	2115	2119	2126	rVB2	1580640	2303829	12.13%	1.062%

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37	16.016	2143	2147	2150	rVV	198625	292171	1.54%	0.135%
38	16.057	2151	2154	2158	rVV2	195802	283329	1.49%	0.131%
39	16.157	2165	2171	2176	rVB3	614516	1060250	5.58%	0.489%
40	16.269	2186	2190	2191	rBV2	192415	219275	1.15%	0.101%

41	16.293	2191	2194	2201	rVB	308229	564515	2.97%	0.260%
42	16.498	2225	2229	2231	rVV5	259829	375605	1.98%	0.173%
43	16.522	2231	2233	2239	rVB3	336307	477708	2.51%	0.220%
44	16.628	2247	2251	2253	rBV2	114511	164122	0.86%	0.076%
45	16.781	2274	2277	2281	rBV	281830	334461	1.76%	0.154%

46	16.857	2287	2290	2294	rVB2	247983	333324	1.75%	0.154%
47	16.904	2294	2298	2302	rVB2	222948	331464	1.74%	0.153%
48	17.010	2313	2316	2320	rBV2	159147	183493	0.97%	0.085%
49	17.087	2326	2329	2332	rBV3	200120	220740	1.16%	0.102%
50	17.128	2333	2336	2339	rBV3	169614	234362	1.23%	0.108%

51	17.216	2347	2351	2356	rVB2	185871	275563	1.45%	0.127%
52	17.304	2362	2366	2371	rVB4	544135	822520	4.33%	0.379%
53	17.381	2376	2379	2382	rVV	446296	561543	2.96%	0.259%
54	17.434	2385	2388	2392	rVV	536546	703948	3.71%	0.325%
55	17.469	2392	2394	2398	rVB	259117	311269	1.64%	0.144%

56	17.563	2403	2410	2413	rBV	2364096	3971563	20.91%	1.831%
57	17.610	2413	2418	2423	rVV	8674542	12673775	66.71%	5.844%
58	17.663	2423	2427	2429	rVV	1653164	2139075	11.26%	0.986%
59	17.698	2429	2433	2437	rVV	2824020	4102376	21.59%	1.892%
60	17.734	2437	2439	2448	rVB4	674106	1068432	5.62%	0.493%

61	17.957	2474	2477	2481	rVB	580303	703921	3.71%	0.325%
62	18.034	2488	2490	2494	rVB3	273697	276723	1.46%	0.128%
63	18.151	2503	2510	2516	rBV2	2256115	4651821	24.49%	2.145%
64	18.269	2525	2530	2536	rBV3	626950	1049776	5.53%	0.484%
65	18.392	2547	2551	2552	rBV	655490	716823	3.77%	0.331%

66	18.422	2552	2556	2559	rVV	1478680	1937039	10.20%	0.893%
67	18.463	2560	2563	2566	rVV	1109838	1321616	6.96%	0.609%
68	18.539	2573	2576	2582	rBV2	602452	983154	5.18%	0.453%
69	18.604	2582	2587	2591	rVV3	2789766	4910848	25.85%	2.264%
70	18.657	2592	2596	2600	rVV3	1050562	1786234	9.40%	0.824%

71	18.698	2600	2603	2609	rVB3	854277	1151581	6.06%	0.531%
72	18.869	2629	2632	2635	rBV	1114146	1611943	8.48%	0.743%
73	19.039	2658	2661	2668	rVB2	730408	804310	4.23%	0.371%
74	19.134	2675	2677	2682	rVB4	485104	548886	2.89%	0.253%
75	19.339	2709	2712	2717	rBV3	633307	1176100	6.19%	0.542%

76	19.387	2717	2720	2722	rVV	1484574	1750901	9.22%	0.807%
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77	19.422	2722	2726	2735	rVB6	1543064	3011063	15.85%	1.388%
78	19.557	2744	2749	2756	rBV	9706787	14945805	78.67%	6.892%
79	19.686	2767	2771	2777	rVB2	1855422	2397986	12.62%	1.106%
80	19.745	2778	2781	2785	rVV2	605976	681914	3.59%	0.314%
81	19.881	2799	2804	2806	rBV3	3161605	5015745	26.40%	2.313%
82	19.910	2806	2809	2817	rVB	7937709	11126860	58.57%	5.131%
83	20.016	2824	2827	2831	rVB2	622499	722778	3.80%	0.333%
84	20.116	2841	2844	2847	rBV	1384949	1523885	8.02%	0.703%
85	20.386	2885	2890	2893	rVB	2176491	3392119	17.86%	1.564%
86	20.422	2893	2896	2902	rVB	1246440	1481453	7.80%	0.683%
87	20.481	2903	2906	2910	rBV	1778371	2094724	11.03%	0.966%
88	20.722	2945	2947	2950	rVB	842831	778297	4.10%	0.359%
89	20.763	2950	2954	2957	rVB	2741155	2971545	15.64%	1.370%
90	21.069	3003	3006	3010	rBV	2143363	2619337	13.79%	1.208%
91	21.316	3045	3048	3052	rVB2	2216898	2527050	13.30%	1.165%
92	21.528	3079	3084	3092	rVB	12110151	18997581	100.00%	8.760%
93	21.633	3097	3102	3108	rVV3	6067916	12664038	66.66%	5.839%
94	21.686	3108	3111	3120	rVB	5100703	7193933	37.87%	3.317%
95	22.128	3183	3186	3190	rVB	1306286	1441804	7.59%	0.665%
96	22.522	3249	3253	3261	rVB	2402386	5573177	29.34%	2.570%
97	23.451	3406	3411	3417	rBV	2936499	7463188	39.28%	3.441%
98	23.716	3452	3456	3467	rVB	2943938	6767286	35.62%	3.120%
99	24.022	3504	3508	3514	rVB	1728003	3179288	16.74%	1.466%
100	24.139	3524	3528	3534	rVB	2325631	3948528	20.78%	1.821%

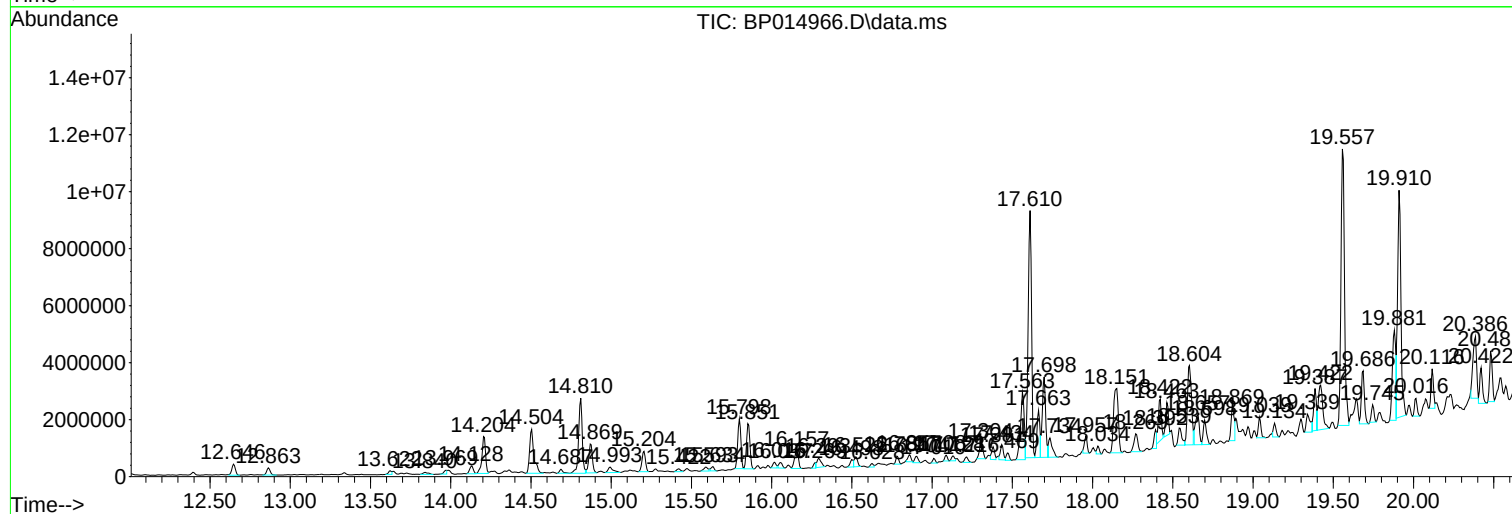
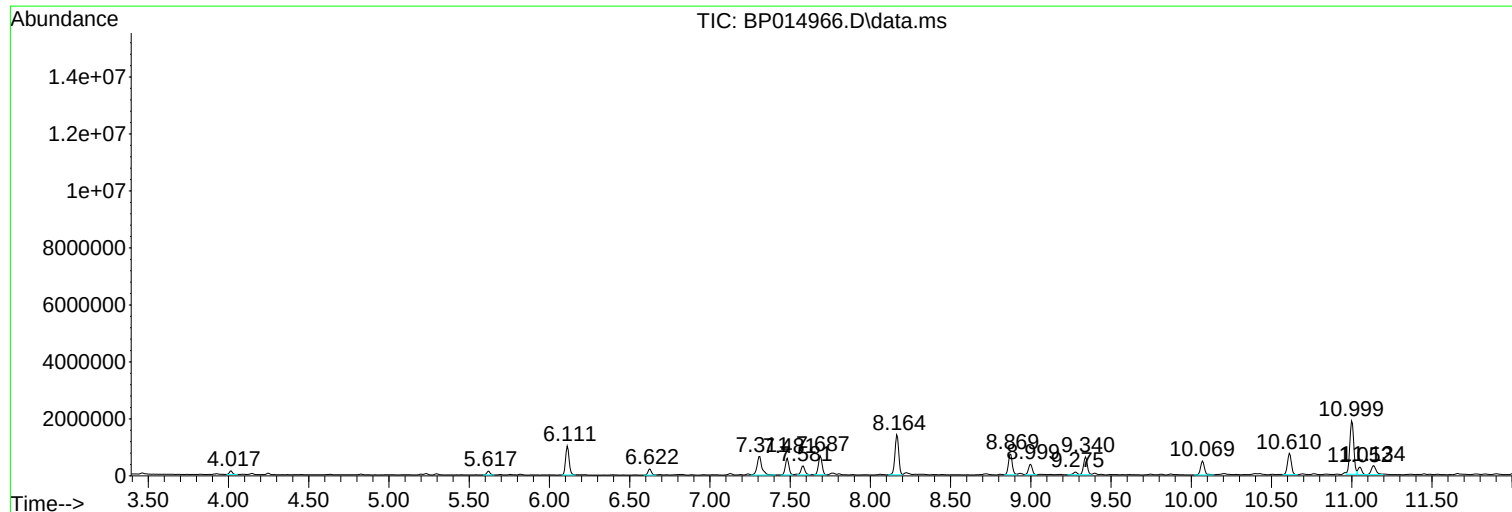
Sum of corrected areas: 216869525

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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



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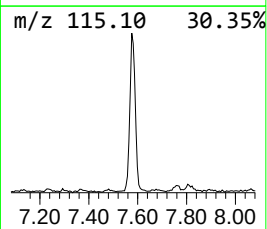
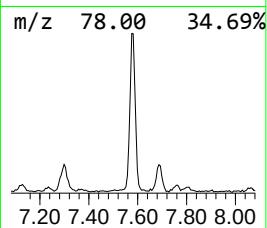
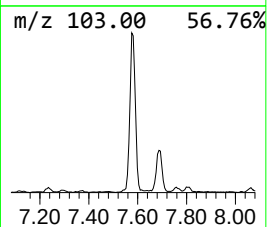
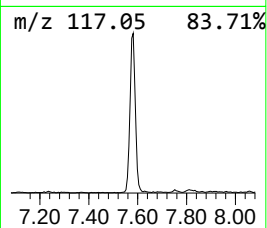
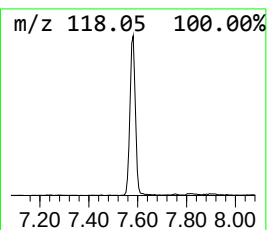
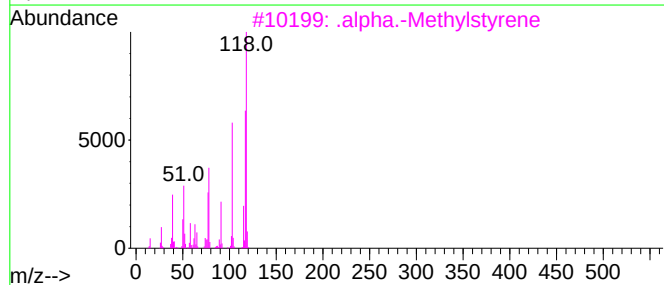
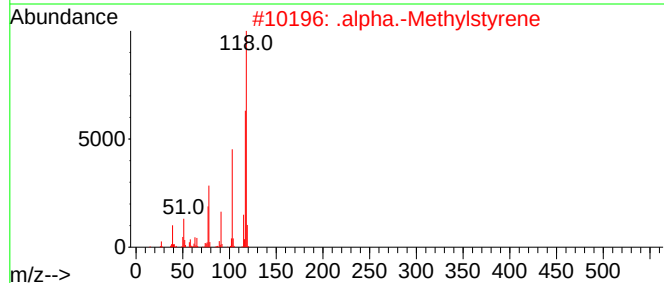
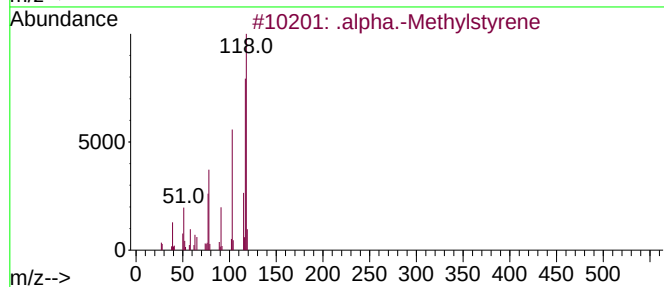
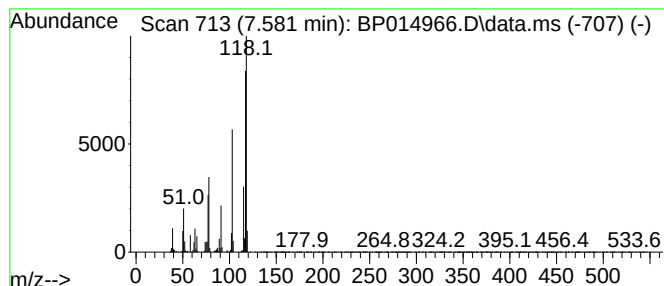
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\SFAM-EPA-BP050323.MA.M
Quant Title : SVOA CALIBRATION

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

Peak Number 3 .alpha.-Methylstyrene Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.581	4.64 ng/ul	529028	1,4-Dichlorobenzene-d4	8.164

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1	.	.	.alpha.-Methylstyrene	118	C9H10	000098-83-9	97
2	.	.	.alpha.-Methylstyrene	118	C9H10	000098-83-9	97
3	.	.	.alpha.-Methylstyrene	118	C9H10	000098-83-9	94
4	.	.	.alpha.-Methylstyrene	118	C9H10	000098-83-9	91
5	3-Phenylpropyl benzoate			240	C16H16O2	060045-26-3	59



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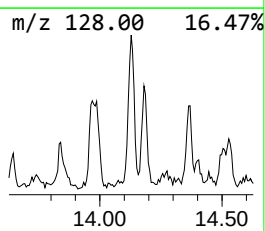
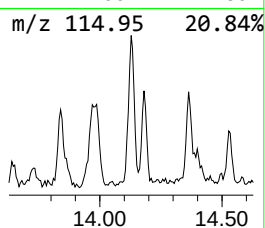
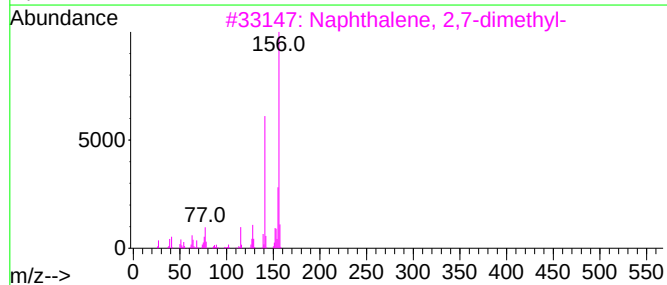
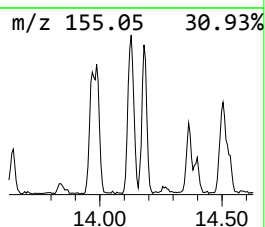
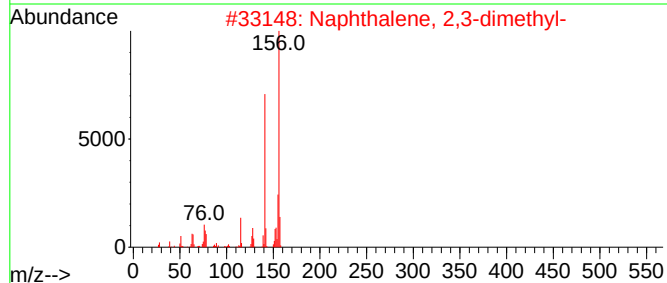
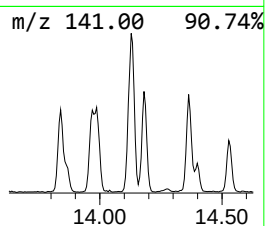
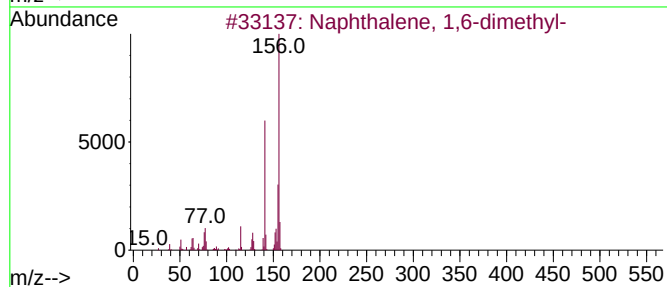
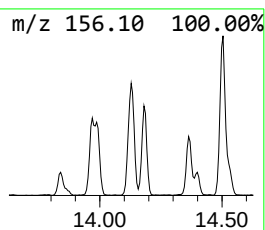
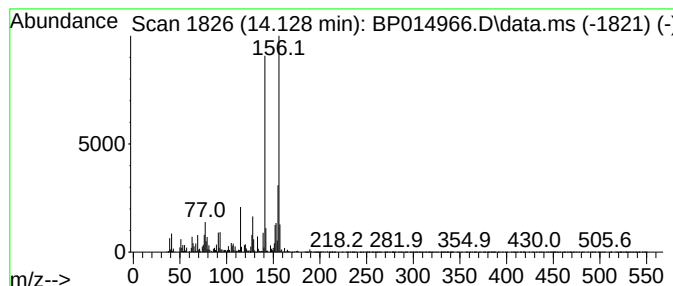
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\SFAM-EPA-BP050323.MA.M
Quant Title : SVOA CALIBRATION

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

Peak Number 4 Naphthalene, 1,6-dimethyl- Concentration Rank 33

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.128	2.19 ng/ul	455069	Acenaphthene-d10	14.810

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	97
2			Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	97
3			Naphthalene, 2,7-dimethyl-	156	C12H12	000582-16-1	97
4			Naphthalene, 1,7-dimethyl-	156	C12H12	000575-37-1	97
5			Naphthalene, 1,3-dimethyl-	156	C12H12	000575-41-7	96



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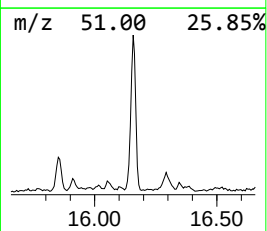
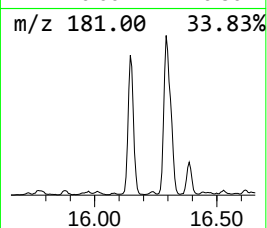
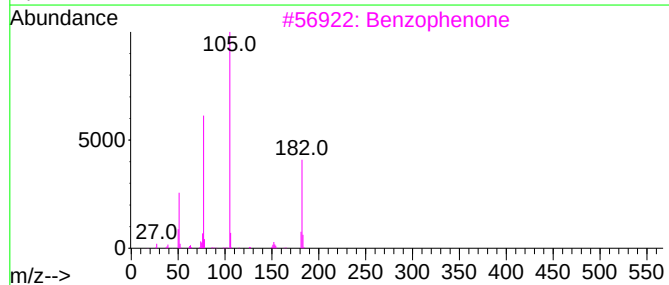
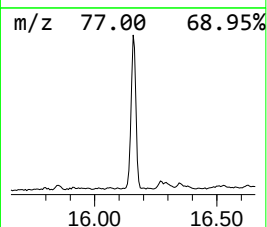
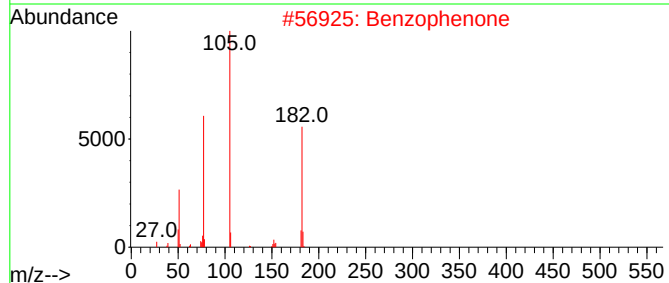
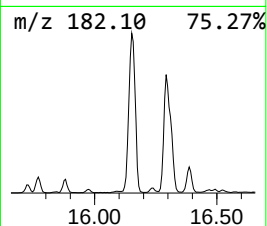
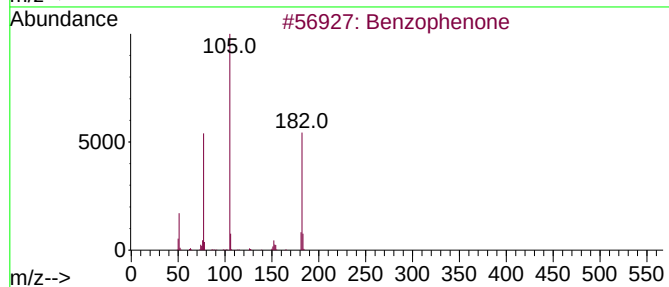
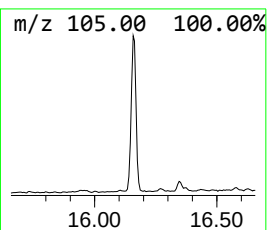
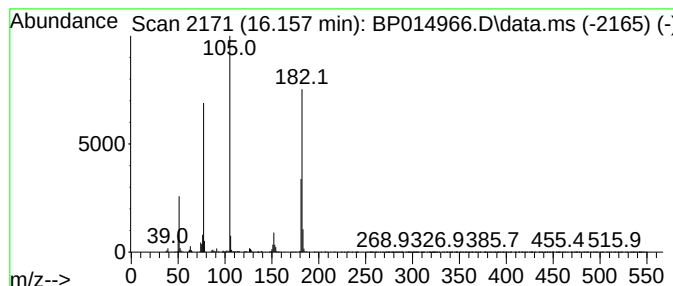
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Quant Title : SVOA CALIBRATION

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

Peak Number 5 Benzophenone Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.157	5.10 ng/ul	1060250	Acenaphthene-d10	14.810

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Benzophenone	182	C13H10O	000119-61-9	93
2			Benzophenone	182	C13H10O	000119-61-9	90
3			Benzophenone	182	C13H10O	000119-61-9	90
4			Benzophenone	182	C13H10O	000119-61-9	68
5			Azobenzene	182	C12H10N2	000103-33-3	59



Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP050423\
Data File : BP014966.D
Acq On : 04 May 2023 22:48
Operator : CG/JU
Sample : 02479-02
Misc :
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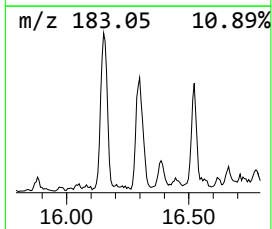
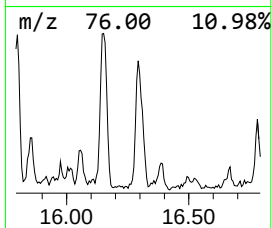
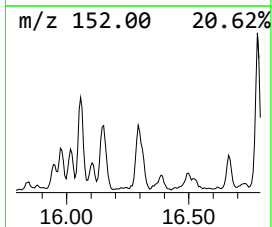
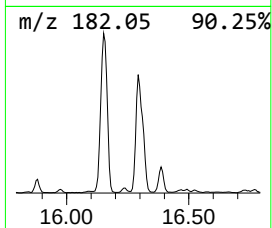
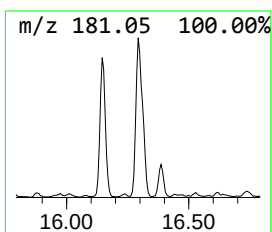
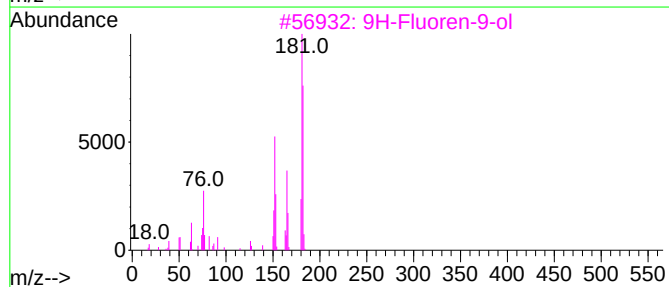
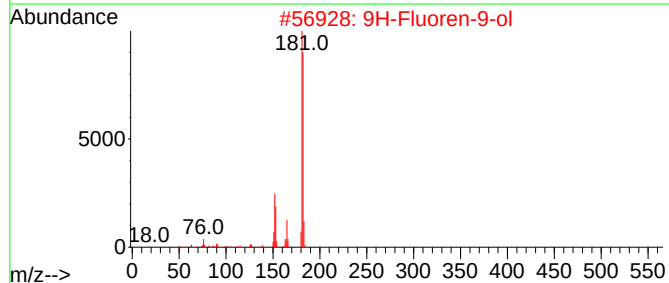
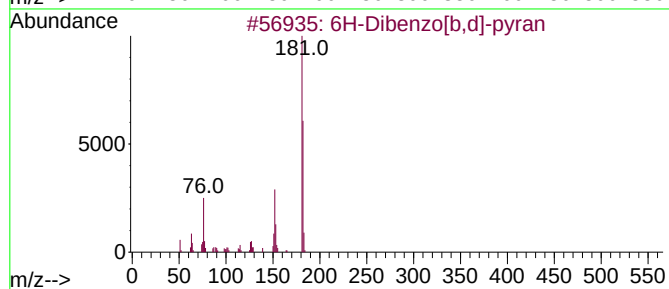
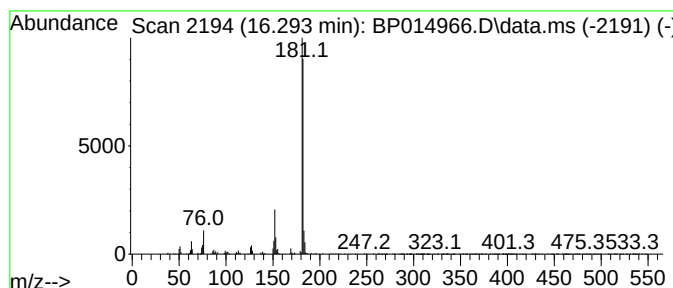
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ClientSampleId :
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Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\SFAM-EPA-BP050323.MA.M
Quant Title : SVOA CALIBRATION

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

Peak Number 6 6H-Dibenzo[b,d]-pyran Concentration Rank 26

R.T.	EstConc	Area	Relative to ISTD	R.T.	
16.293	2.84 ng/ul	564515	Phenanthrene-d10	17.563	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	6H-Dibenzo[b,d]-pyran	182	C13H10O	000229-95-8	91
2	9H-Fluoren-9-ol	182	C13H10O	001689-64-1	80
3	9H-Fluoren-9-ol	182	C13H10O	001689-64-1	78
4	[1,1'-Biphenyl]-4-carboxaldehyde	182	C13H10O	003218-36-8	78
5	9H-Fluoren-3-ol	182	C13H10O	006344-67-8	68



Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP050423\
Data File : BP014966.D
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Sample : 02479-02
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ClientSampleId :
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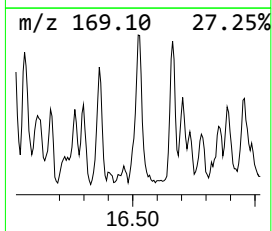
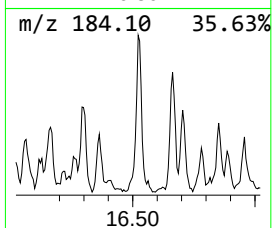
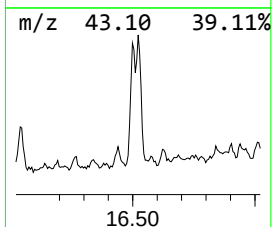
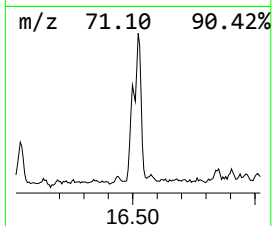
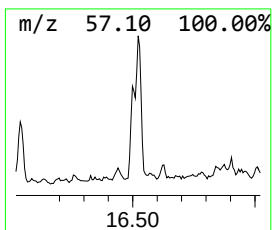
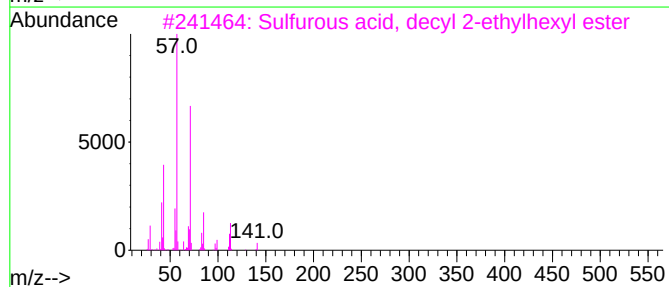
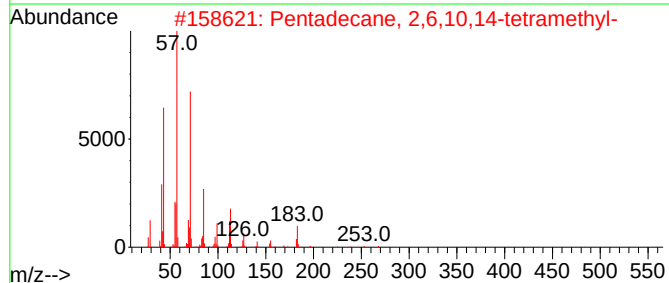
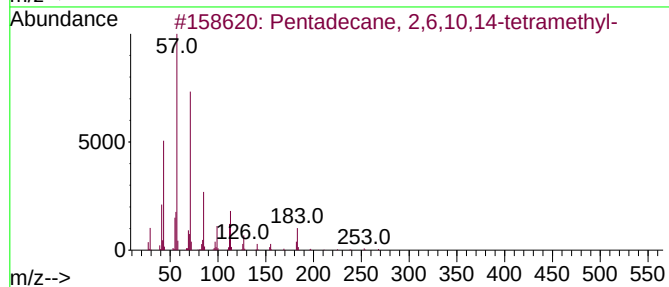
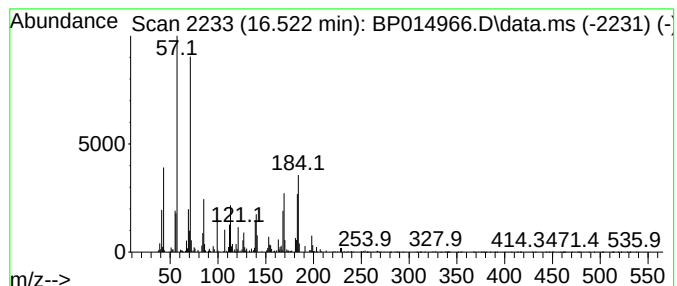
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Quant Title : SVOA CALIBRATION

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

Peak Number 7 (DEL) Alkane: Straight-Chai... Concentration Rank 30

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.522	2.41 ng/ul	477708	Phenanthrene-d10	17.563

Hit#	of 5	Tentative ID	MW	MolForm	CAS#	Qual
1		Pentadecane, 2,6,10,14-tetramethyl-	268	C19H40	001921-70-6	49
2		Pentadecane, 2,6,10,14-tetramethyl-	268	C19H40	001921-70-6	46
3		Sulfurous acid, decyl 2-ethylhex...	334	C18H38O3S	1000309-19-3	43
4		Hexadecane, 2,6,10-trimethyl-	268	C19H40	055000-52-7	43
5		Heptadecane, 2,6-dimethyl-	268	C19H40	054105-67-8	43



Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP050423\
Data File : BP014966.D
Acq On : 04 May 2023 22:48
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Sample : 02479-02
Misc :
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Instrument :
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ClientSampleId :
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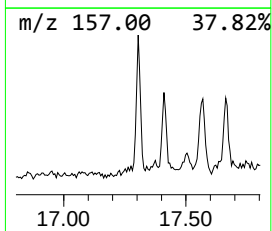
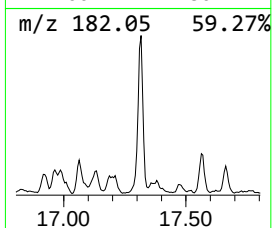
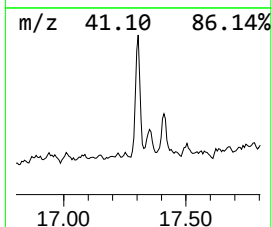
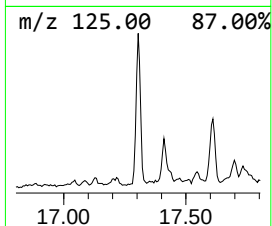
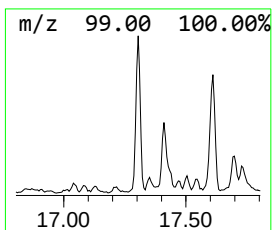
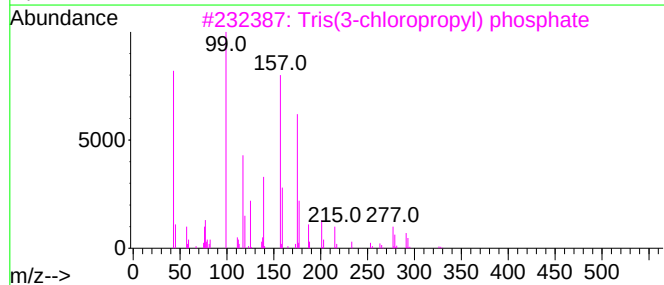
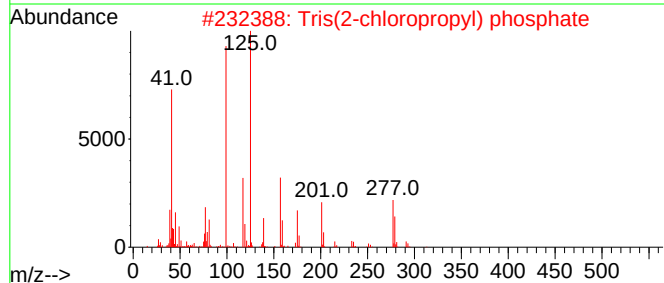
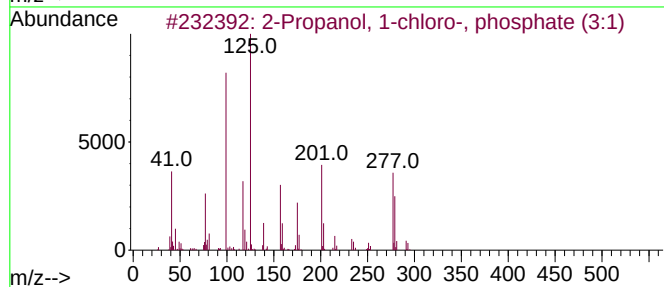
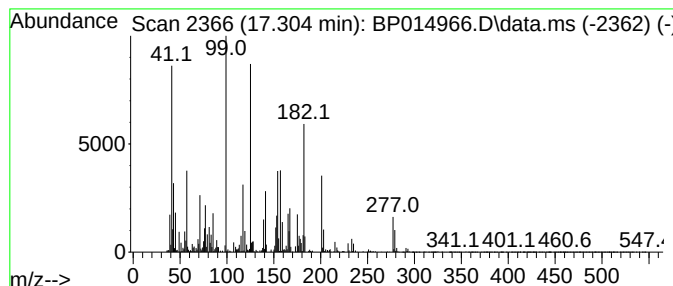
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Quant Title : SVOA CALIBRATION

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

Peak Number 8 2-Propanol, 1-chloro-, phos... Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.304	4.14 ng/ul	822520	Phenanthrene-d10	17.563

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			2-Propanol, 1-chloro-, phosphate...	326	C9H18Cl3O4P	013674-84-5	55
2			Tris(2-chloropropyl) phosphate	326	C9H18Cl3O4P	006145-73-9	49
3			Tris(3-chloropropyl) phosphate	326	C9H18Cl3O4P	001067-98-7	27
4			Anthracene, 1,2,3,4-tetrahydro-	182	C14H14	002141-42-6	25
5			Bis(1-chloro-2-propyl)(3-chloro-...	326	C9H18Cl3O4P	137909-40-1	22



Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP050423\
Data File : BP014966.D
Acq On : 04 May 2023 22:48
Operator : CG/JU
Sample : 02479-02
Misc :
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Instrument :
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ClientSampleId :
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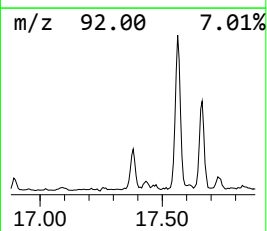
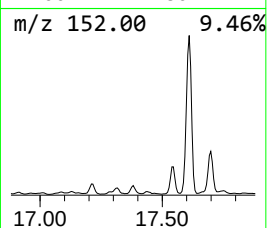
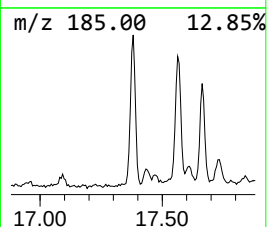
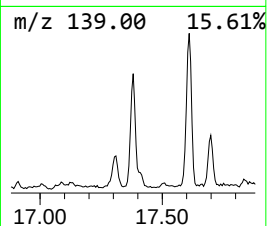
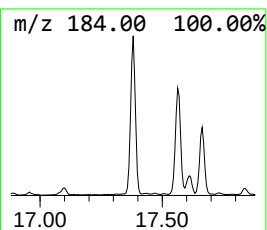
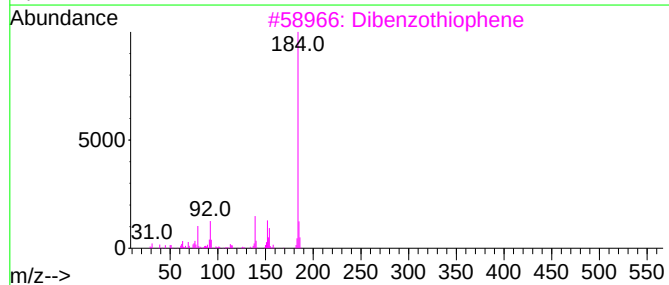
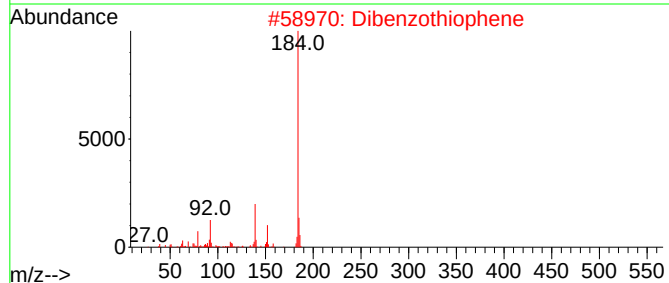
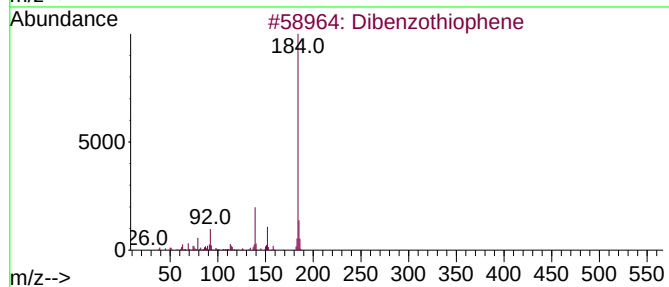
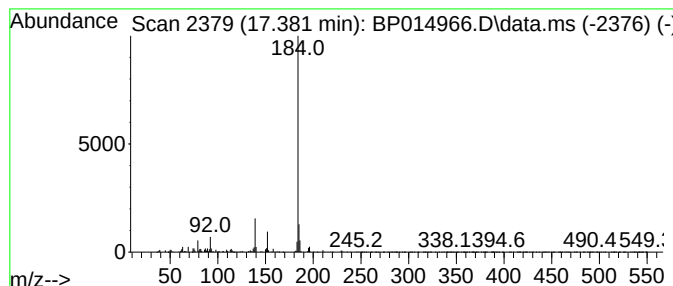
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Quant Title : SVOA CALIBRATION

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

Peak Number 9 Dibenzothiophene Concentration Rank 27

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.381	2.83 ng/ul	561543	Phenanthrene-d10	17.563

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Dibenzothiophene	184	C12H8S	000132-65-0	96
2			Dibenzothiophene	184	C12H8S	000132-65-0	95
3			Dibenzothiophene	184	C12H8S	000132-65-0	94
4			Naphtho[1,2-b]thiophene	184	C12H8S	000234-41-3	93
5			Dibenzothiophene	184	C12H8S	000132-65-0	93



Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP050423\
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Sample : 02479-02
Misc :
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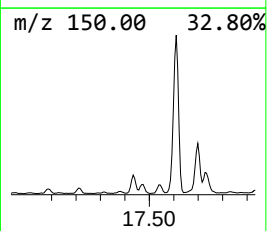
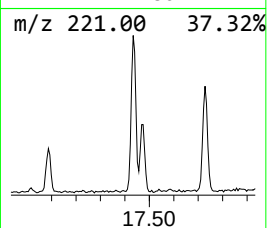
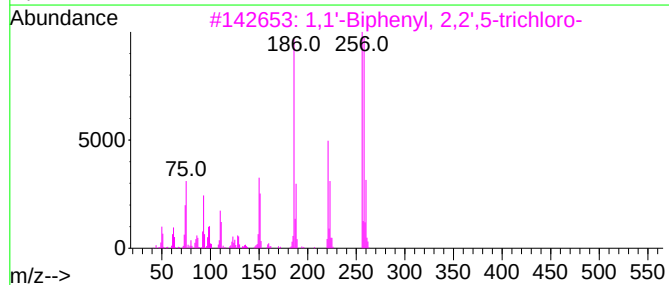
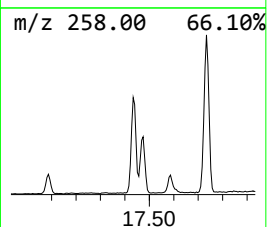
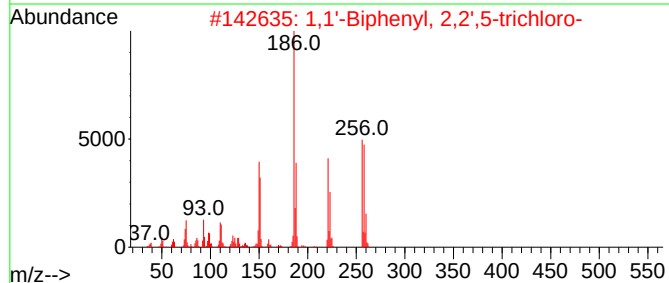
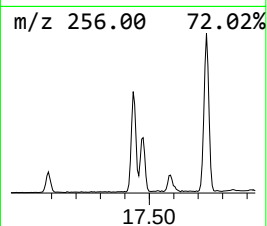
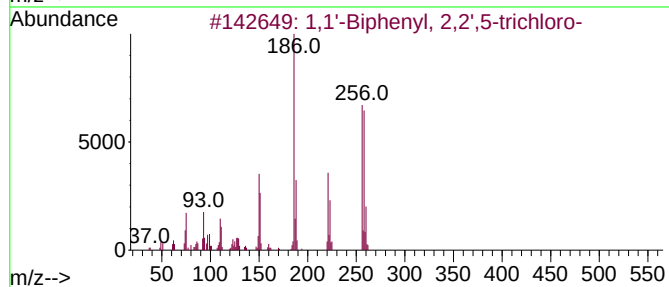
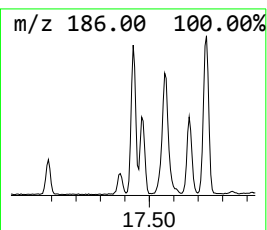
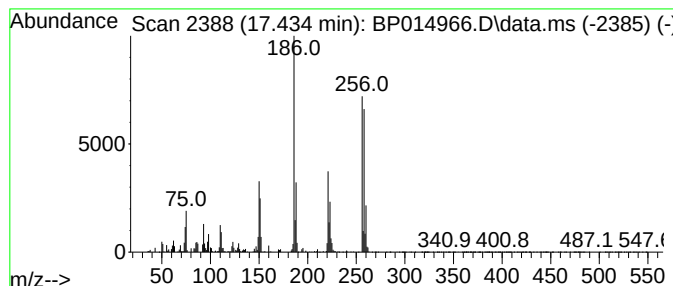
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Quant Title : SVOA CALIBRATION

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

Peak Number 10 1,1'-Biphenyl, 2,2',5-trich... Concentration Rank 23

R.T.	EstConc	Area	Relative to ISTD	R.T.	
17.434	3.54 ng/ul	703948	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, 2,2',5-trichloro-	256	C12H7Cl3	037680-65-2	99
4	1,1'-Biphenyl, 2,4,4'-trichloro-	256	C12H7Cl3	007012-37-5	99
5	1,1'-Biphenyl, 2,2',6-trichloro-	256	C12H7Cl3	038444-73-4	98



Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP050423\
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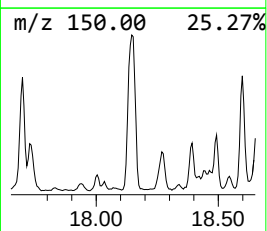
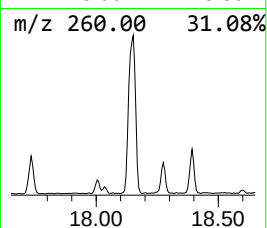
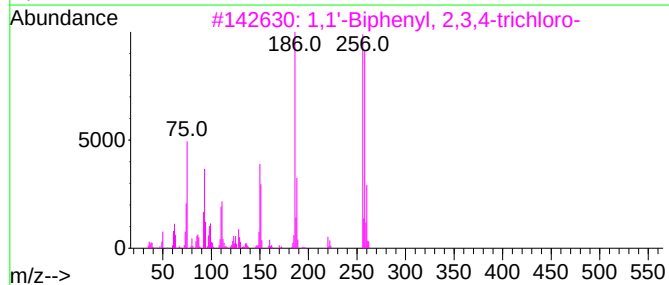
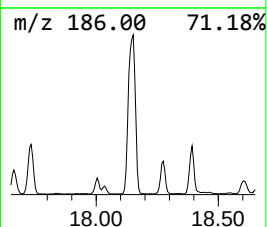
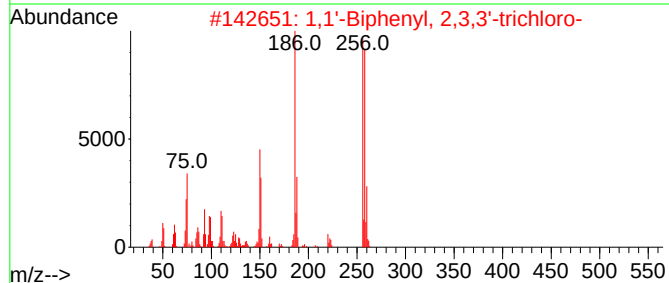
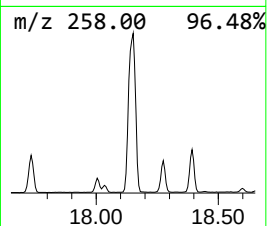
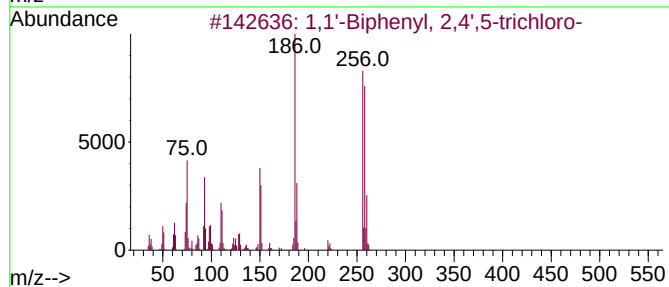
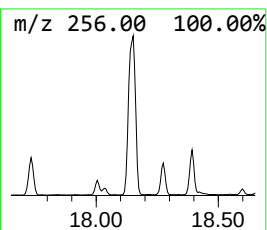
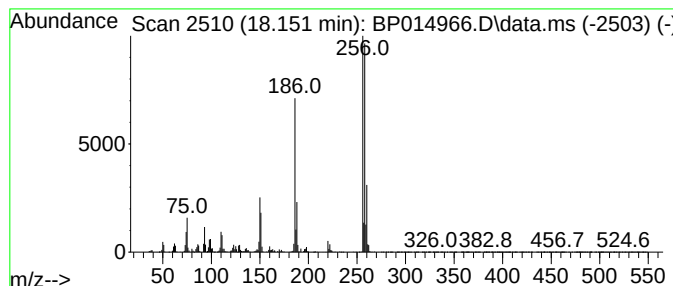
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Quant Title : SVOA CALIBRATION

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

Peak Number 11 1,1'-Biphenyl, 2,4',5-trich... Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.151	23.43 ng/ul	4651820	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, 2,3,3'-trichloro-	256	C12H7Cl3	038444-84-7	99	
3	1,1'-Biphenyl, 2,3,4-trichloro-	256	C12H7Cl3	055702-46-0	99	
4	1,1'-Biphenyl, 2,4,5-trichloro-	256	C12H7Cl3	015862-07-4	99	
5	1,1'-Biphenyl, 2,4',5-trichloro-	256	C12H7Cl3	016606-02-3	99	



Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP050423\
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Sample : 02479-02
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument :
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ClientSampleId :
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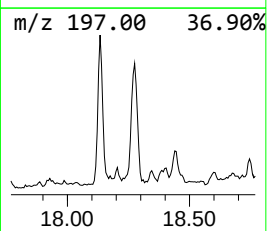
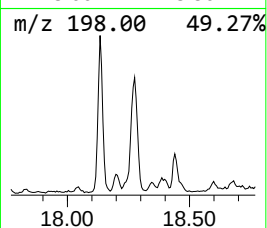
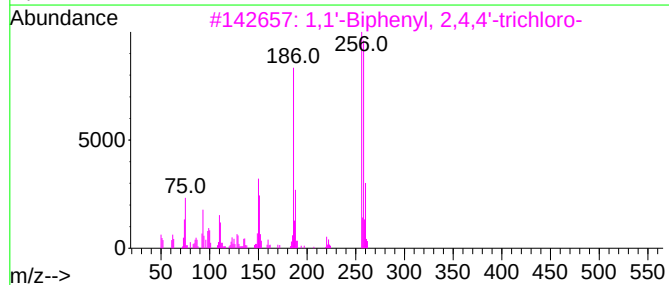
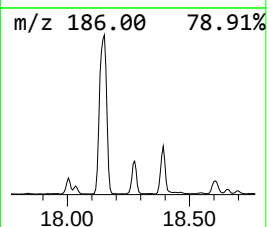
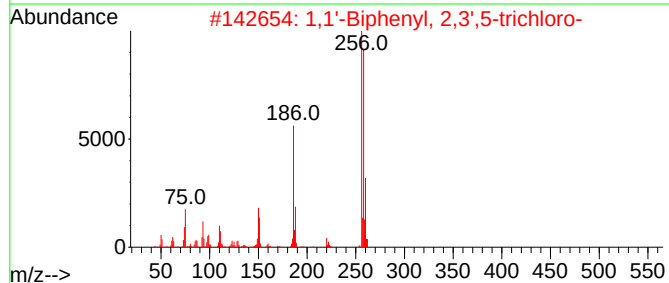
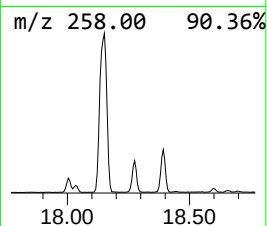
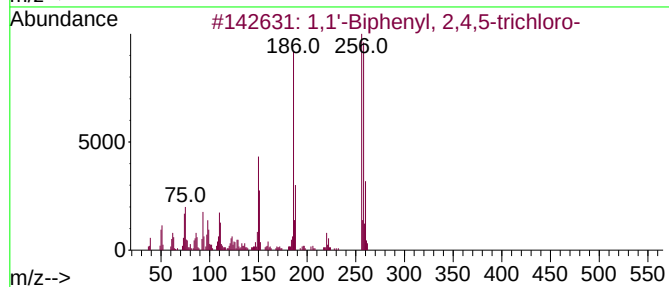
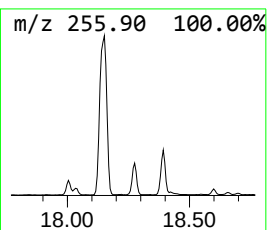
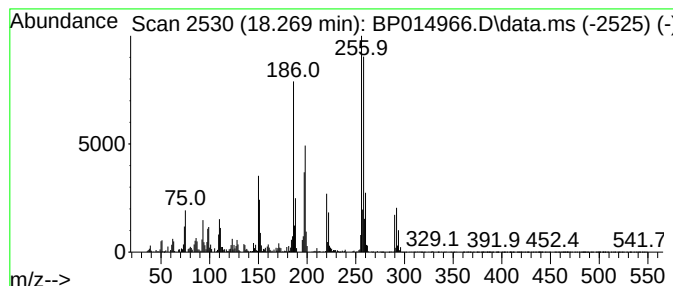
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Quant Title : SVOA CALIBRATION

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

Peak Number 12 1,1'-Biphenyl, 2,3',5-trich... Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.269	5.29 ng/ul	1049780	Phenanthrene-d10	17.563

Hit#	of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,1'-Biphenyl, 2,4,5-trichloro-	256	C12H7Cl3	015862-07-4	99	
2	1,1'-Biphenyl, 2,3',5-trichloro-	256	C12H7Cl3	038444-81-4	98	
3	1,1'-Biphenyl, 2,4,4'-trichloro-	256	C12H7Cl3	007012-37-5	98	
4	1,1'-Biphenyl, 2',3,4-trichloro-	256	C12H7Cl3	038444-86-9	98	
5	1,1'-Biphenyl, 2,4,4'-trichloro-	256	C12H7Cl3	007012-37-5	98	



Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP050423\
Data File : BP014966.D
Acq On : 04 May 2023 22:48
Operator : CG/JU
Sample : 02479-02
Misc :
ALS Vial : 25 Sample Multiplier: 1

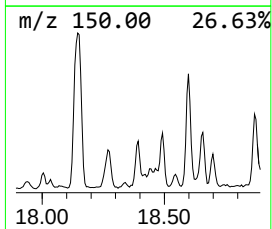
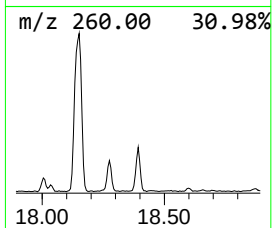
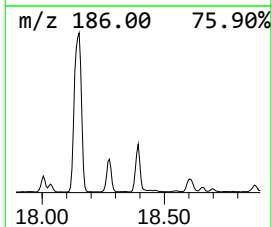
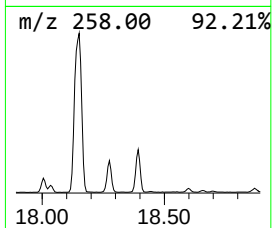
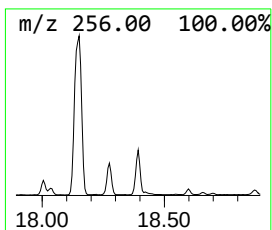
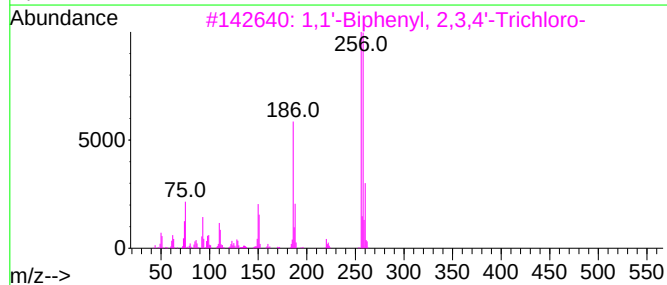
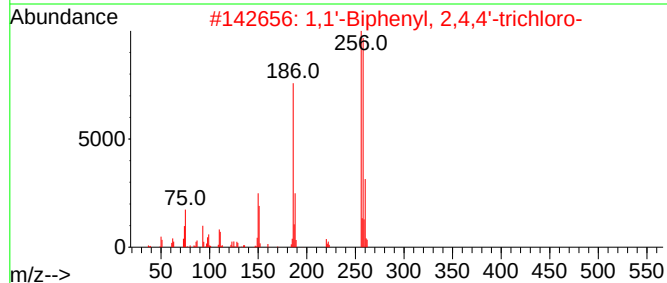
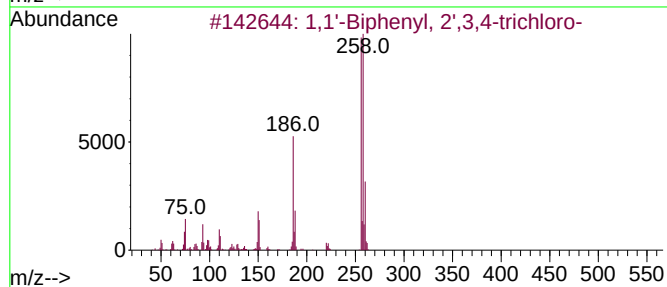
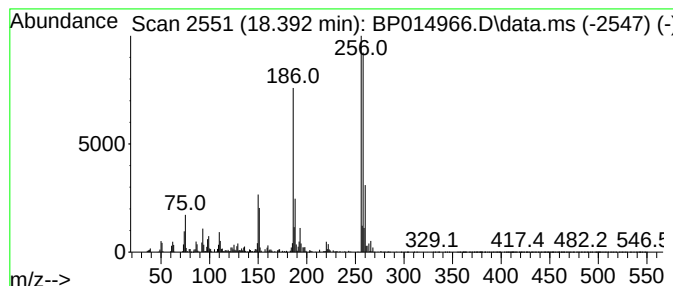
Instrument :
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ClientSampleId :
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Quant Title : SVOA CALIBRATION

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

Peak Number 13 1,1'-Biphenyl, 2',3,4-trich... Concentration Rank 22

R.T.	EstConc	Area	Relative to ISTD	R.T.	
18.392	3.61 ng/ul	716823	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, 2,3,4'-Trichloro-	256	C12H7Cl3	038444-85-8	99
4	1,1'-Biphenyl, 2,3',5-trichloro-	256	C12H7Cl3	038444-81-4	98
5	1,1'-Biphenyl, 2,3',4-trichloro-	256	C12H7Cl3	055712-37-3	98



Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP050423\
Data File : BP014966.D
Acq On : 04 May 2023 22:48
Operator : CG/JU
Sample : 02479-02
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
EW943

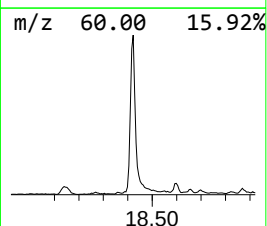
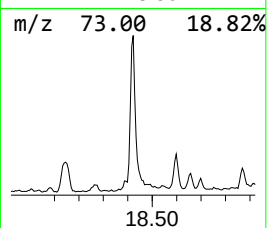
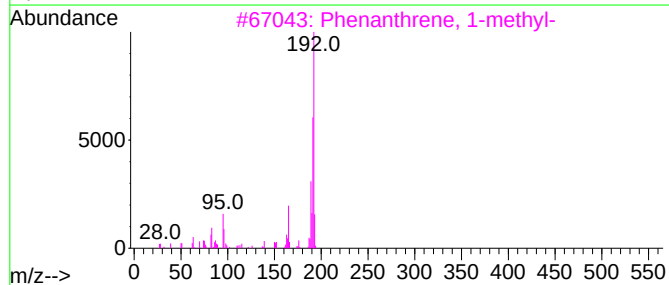
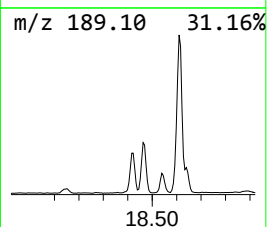
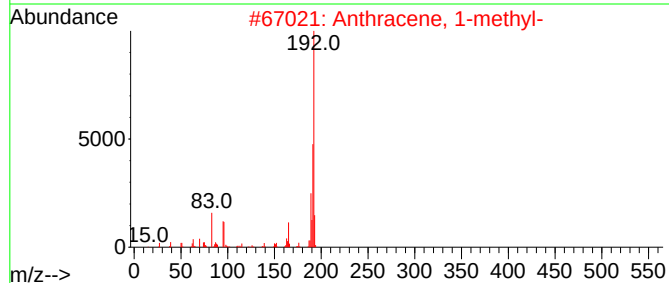
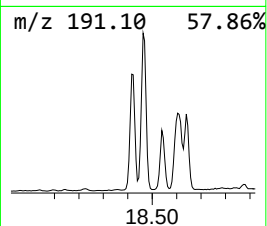
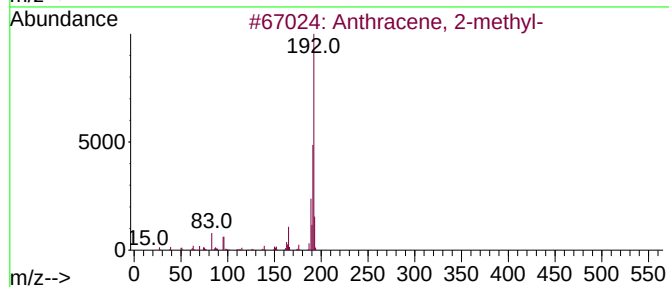
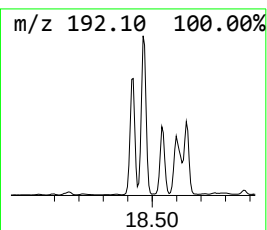
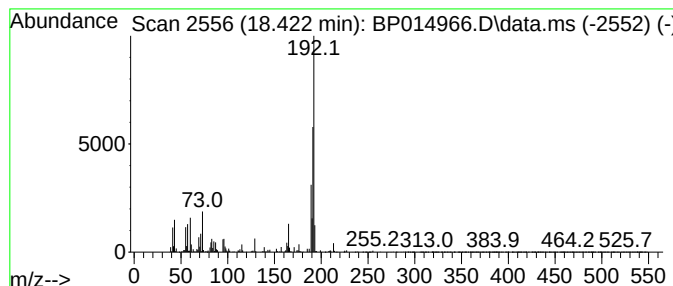
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Quant Title : SVOA CALIBRATION

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

Peak Number 14 Anthracene, 2-methyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.422	9.75 ng/ul	1937040	Phenanthrene-d10	17.563

Hit#	of 5	Tentative ID	MW	MolForm	CAS#	Qual
1		Anthracene, 2-methyl-	192	C15H12	000613-12-7	86
2		Anthracene, 1-methyl-	192	C15H12	000610-48-0	76
3		Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	70
4		1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	70
5		Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	70



Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP050423\
Data File : BP014966.D
Acq On : 04 May 2023 22:48
Operator : CG/JU
Sample : 02479-02
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
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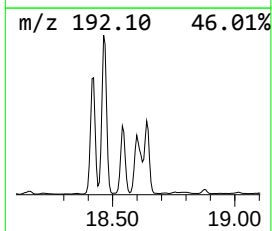
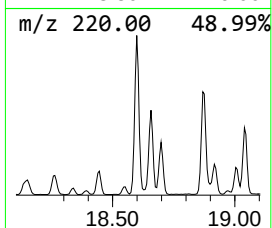
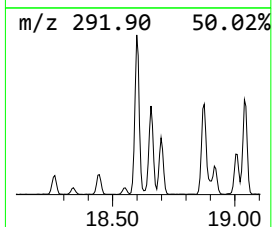
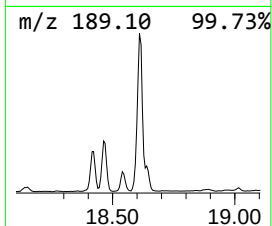
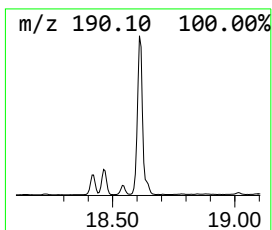
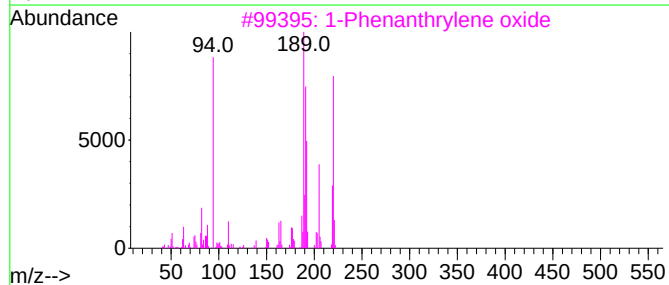
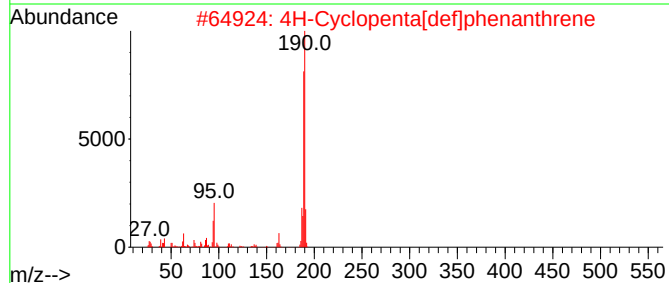
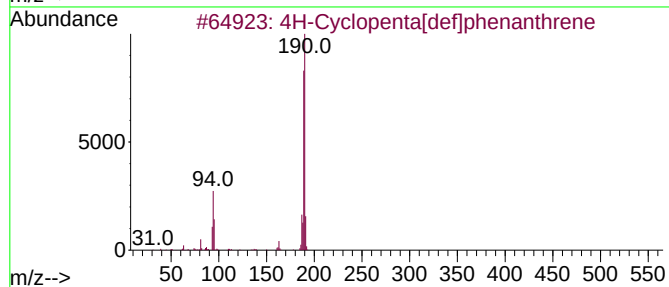
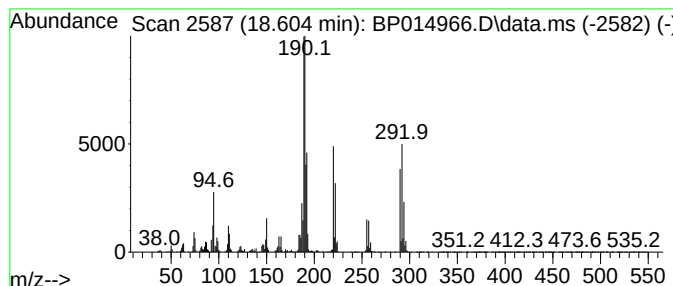
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Quant Title : SVOA CALIBRATION

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

Peak Number 15 unknown-01 Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.604	24.73 ng/ul	4910850	Phenanthrene-d10	17.563

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	46
2			4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	38
3			1-Phenanthrylene oxide	220	C16H12O	026698-45-3	30
4			4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	27
5			6H-Cyclobuta[jk]phenanthrene	190	C15H10	083469-43-6	27



Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP050423\
Data File : BP014966.D
Acq On : 04 May 2023 22:48
Operator : CG/JU
Sample : 02479-02
Misc :
ALS Vial : 25 Sample Multiplier: 1

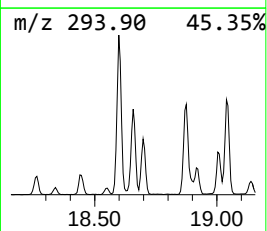
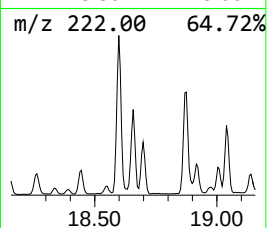
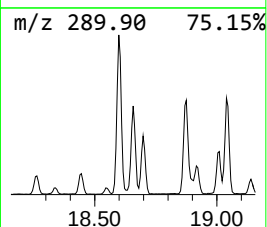
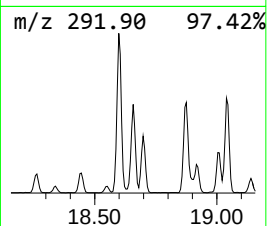
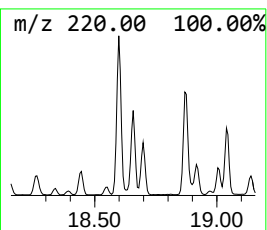
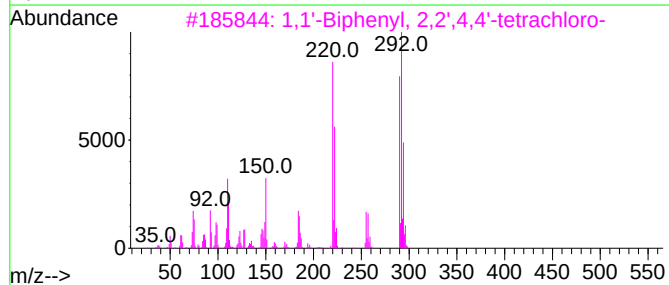
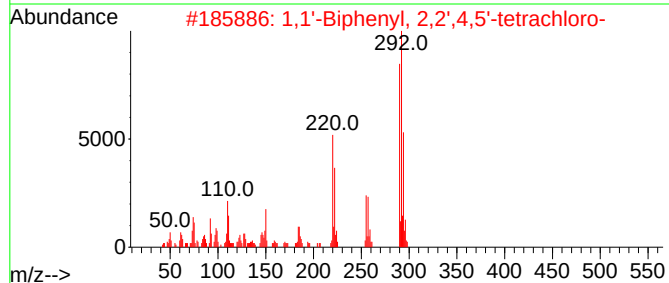
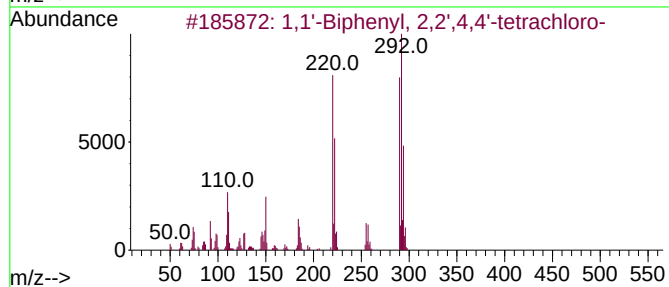
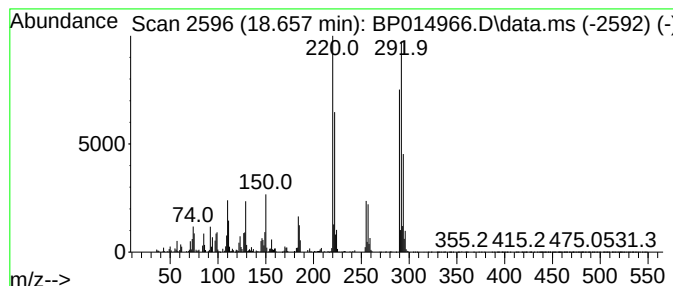
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Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\SFAM-EPA-BP050323.MA.M
Quant Title : SVOA CALIBRATION

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

Peak Number 16 1,1'-Biphenyl, 2,2',4,4'-te... Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.	
18.657	9.00 ng/ul	1786230	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	1,1'-Biphenyl, 2,2',4,5'-tetrach...	290	C12H6Cl4	041464-40-8	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	2,2',4,5-Tetrachloro-1,1'-biphenyl	290	C12H6Cl4	070362-47-9	99



Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP050423\
Data File : BP014966.D
Acq On : 04 May 2023 22:48
Operator : CG/JU
Sample : 02479-02
Misc :
ALS Vial : 25 Sample Multiplier: 1

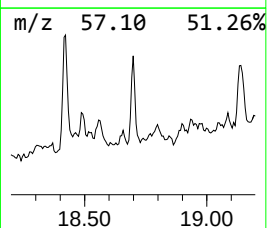
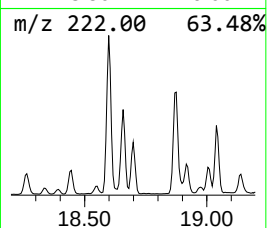
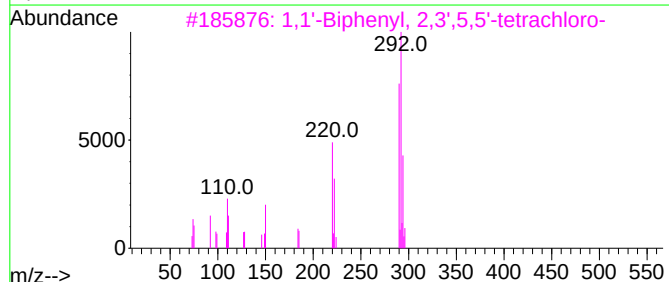
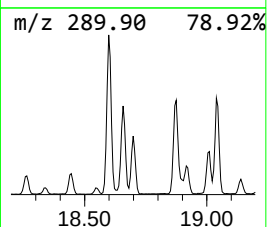
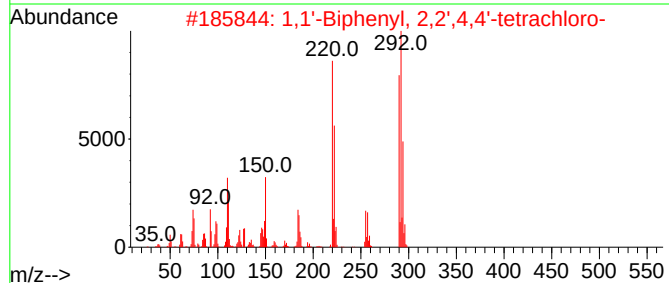
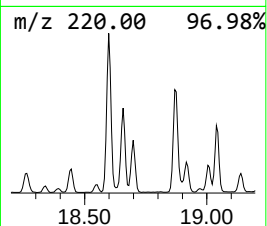
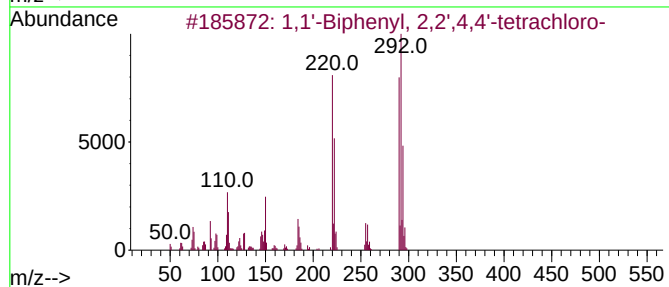
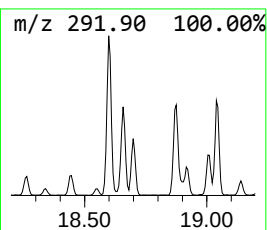
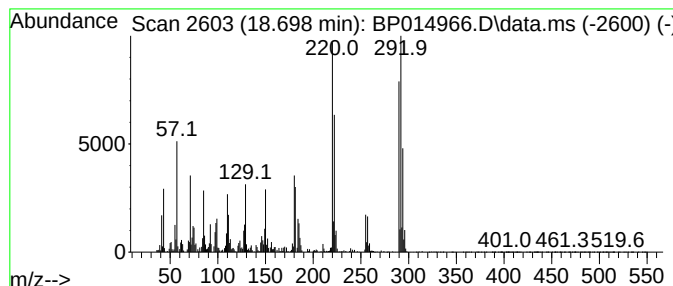
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ClientSampleId :
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Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\SFAM-EPA-BP050323.MA.M
Quant Title : SVOA CALIBRATION

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

Peak Number 17 1,1'-Biphenyl, 2,3',5,5'-te... Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.	
18.698	5.80 ng/ul	1151580	Phenanthrene-d10	17.563	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,1'-Biphenyl, 2,2',4,4'-tetrachloro-1,1'-biphenyl	290	C12H6Cl4	002437-79-8	99
2	1,1'-Biphenyl, 2,2',4,4'-tetrachloro-1,1'-biphenyl	290	C12H6Cl4	002437-79-8	99
3	1,1'-Biphenyl, 2,3',5,5'-tetrachloro-1,1'-biphenyl	290	C12H6Cl4	041464-42-0	99
4	1,1'-Biphenyl, 2,2',4,4'-tetrachloro-1,1'-biphenyl	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_P\Data\BP050423\
Data File : BP014966.D
Acq On : 04 May 2023 22:48
Operator : CG/JU
Sample : 02479-02
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument :
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ClientSampleId :
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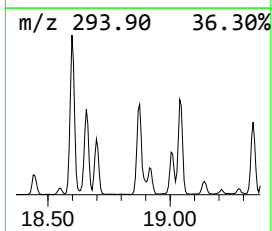
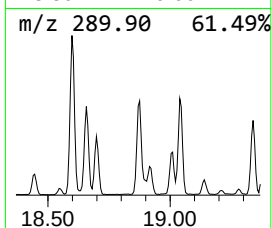
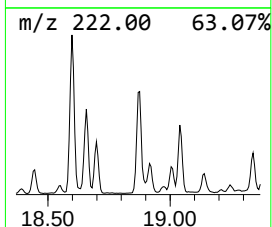
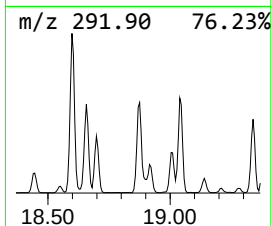
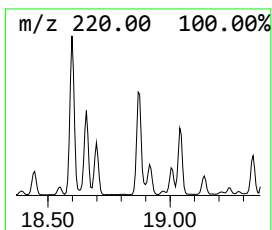
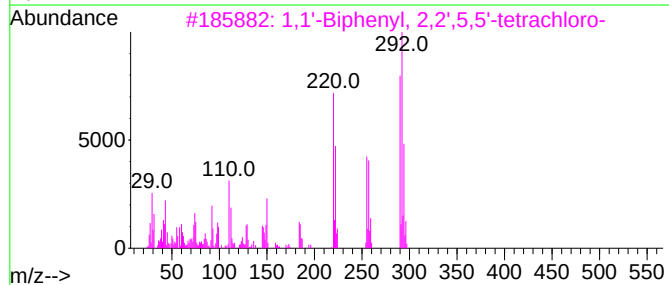
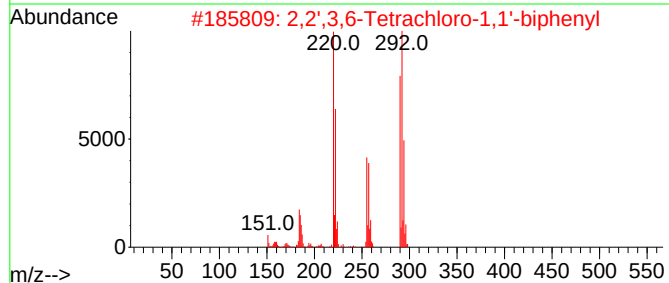
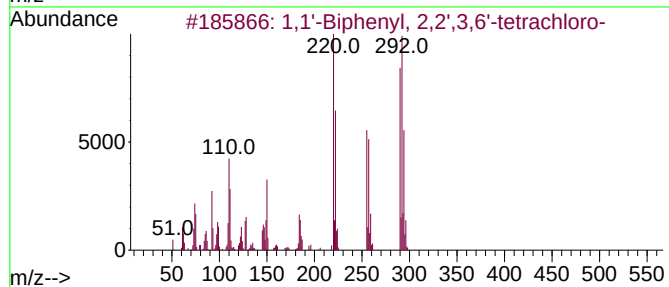
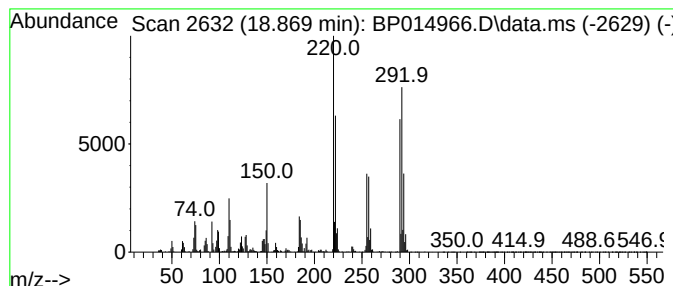
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Quant Title : SVOA CALIBRATION

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

Peak Number 18 1,1'-Biphenyl, 2,2',3,6'-te... Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.869	8.12 ng/ul	1611940	Phenanthrene-d10	17.563

Hit#	of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,1'-Biphenyl, 2,2',3,6'-tetrach...	290	C12H6Cl4	041464-47-5	99	
2	2,2',3,6-Tetrachloro-1,1'-biphenyl	290	C12H6Cl4	070362-45-7	99	
3	1,1'-Biphenyl, 2,2',5,5'-tetrach...	290	C12H6Cl4	035693-99-3	99	
4	2,2',4,5-Tetrachloro-1,1'-biphenyl	290	C12H6Cl4	070362-47-9	99	
5	2,2',4,5-Tetrachloro-1,1'-biphenyl	290	C12H6Cl4	070362-47-9	99	



Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP050423\
Data File : BP014966.D
Acq On : 04 May 2023 22:48
Operator : CG/JU
Sample : 02479-02
Misc :
ALS Vial : 25 Sample Multiplier: 1

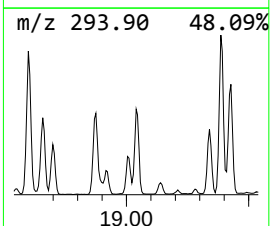
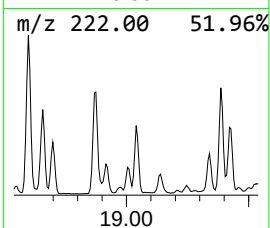
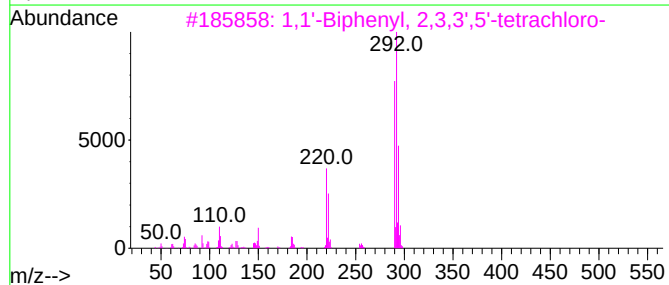
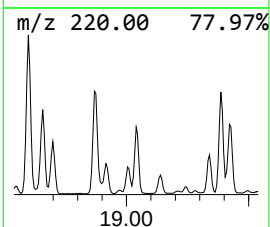
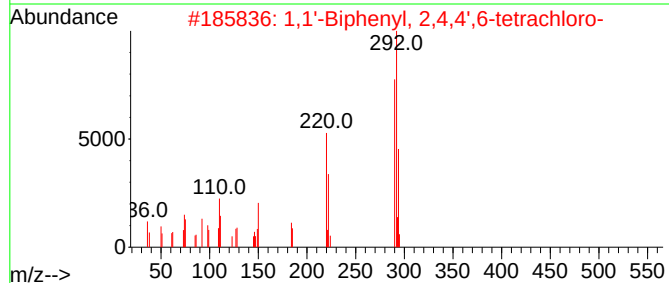
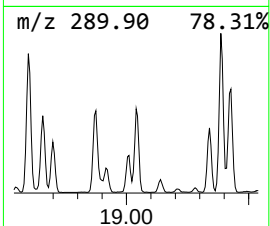
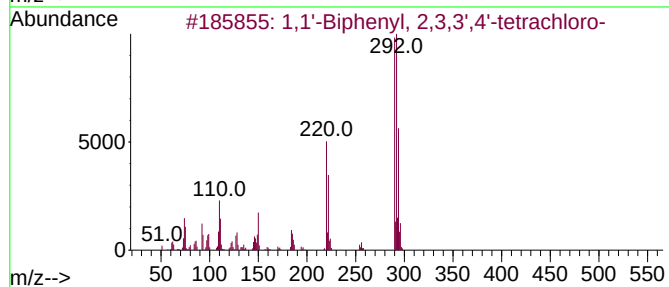
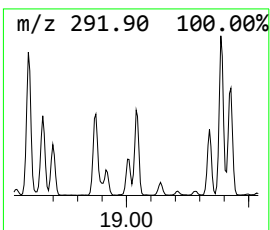
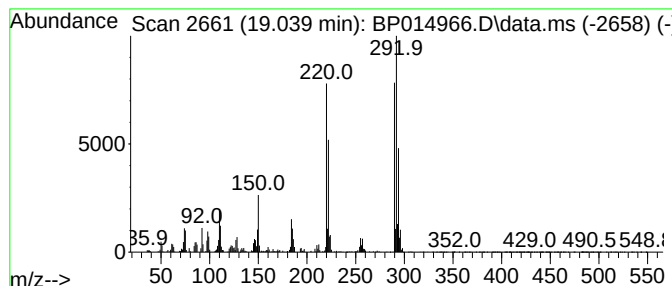
Instrument :
BNA_P
ClientSampleId :
EW943

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 1,1'-Biphenyl, 2,3,3',4'-te... Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.	
19.040	4.05 ng/ul	804310	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, 2,4,4',6-tetrachl...	290	C12H6Cl4	032598-12-2	99
3	1,1'-Biphenyl, 2,3,3',5'-tetrach...	290	C12H6Cl4	041464-49-7	99
4	Biphenyl, 2,4,4',5-tetrachloro-	290	C12H6Cl4	032690-93-0	99
5	1,1'-Biphenyl, 2,3',4,6-Tetrachl...	290	C12H6Cl4	060233-24-1	99



Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP050423\
Data File : BP014966.D
Acq On : 04 May 2023 22:48
Operator : CG/JU
Sample : 02479-02
Misc :
ALS Vial : 25 Sample Multiplier: 1

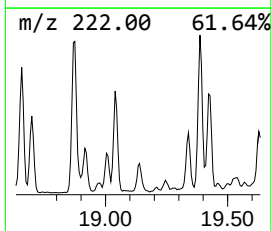
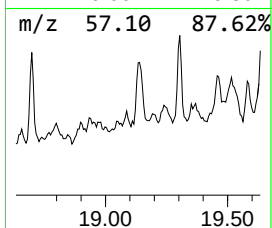
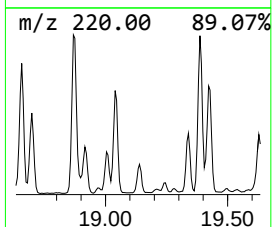
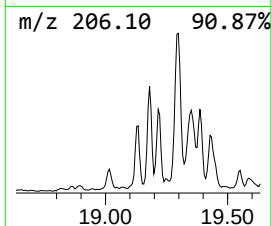
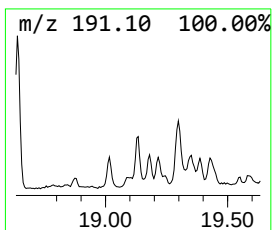
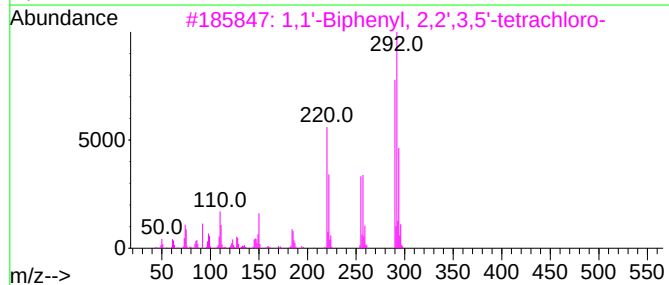
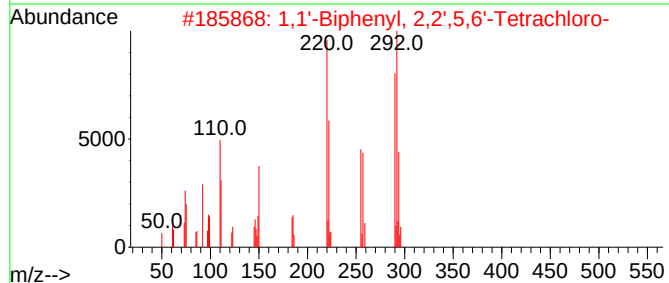
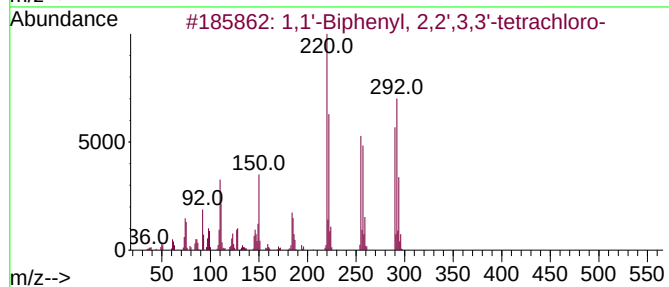
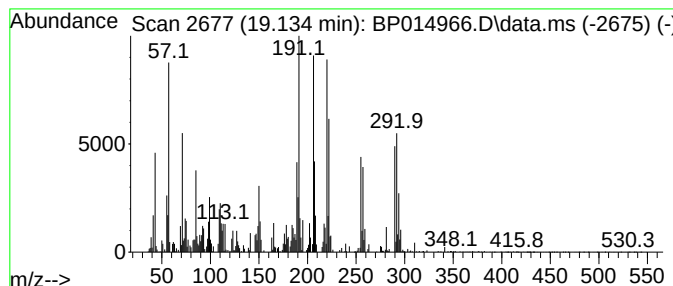
Instrument :
BNA_P
ClientSampleId :
EW943

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, 2,2',3,3'-te... Concentration Rank 28

R.T.	EstConc	Area	Relative to ISTD	R.T.		
19.134	2.76 ng/ul	548886	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	98	
2	1,1'-Biphenyl, 2,2',5,6'-Tetrach...	290	C12H6Cl4	041464-41-9	97	
3	1,1'-Biphenyl, 2,2',3,5'-tetrach...	290	C12H6Cl4	041464-39-5	97	
4	1,1'-Biphenyl, 2,2',5,5'-tetrach...	290	C12H6Cl4	035693-99-3	97	
5	1,1'-Biphenyl, 2,2',4,6-Tetrachl...	290	C12H6Cl4	062796-65-0	97	



Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP050423\
Data File : BP014966.D
Acq On : 04 May 2023 22:48
Operator : CG/JU
Sample : 02479-02
Misc :
ALS Vial : 25 Sample Multiplier: 1

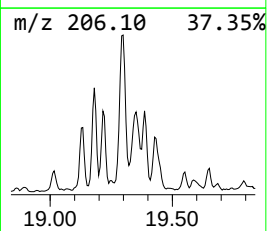
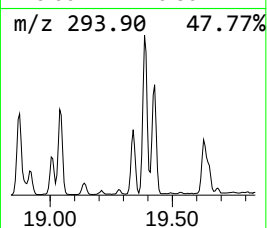
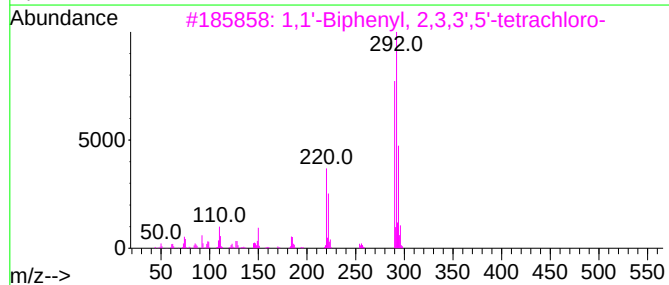
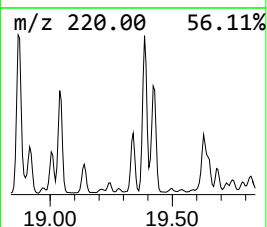
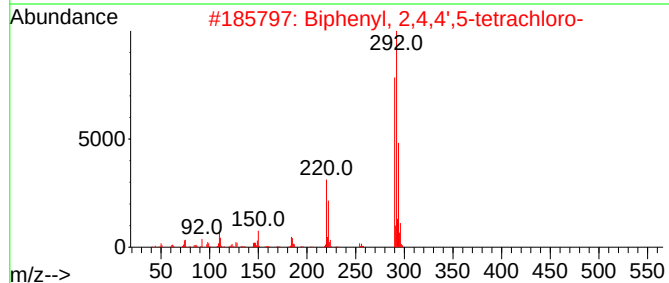
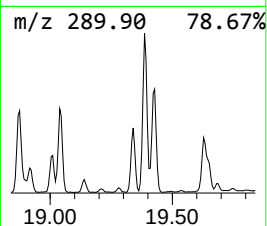
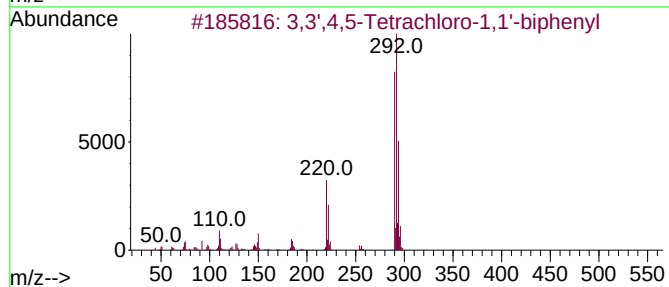
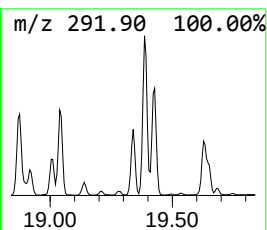
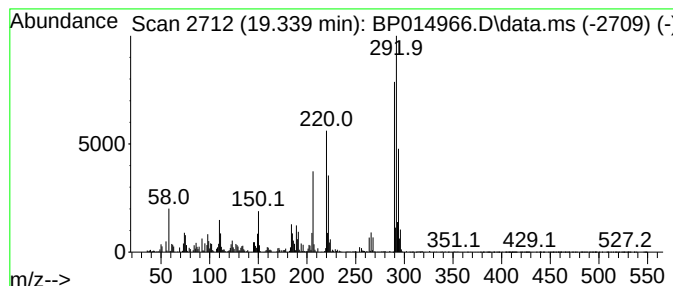
Instrument :
BNA_P
ClientSampleId :
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Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\SFAM-EPA-BP050323.MA.M
Quant Title : SVOA CALIBRATION

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

Peak Number 21 3,3',4,5-Tetrachloro-1,1'-b... Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.	
19.339	5.92 ng/ul	1176100	Phenanthrene-d10	17.563	
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	Biphenyl, 2,4,4',5-tetrachloro-	290	C12H6Cl4	032690-93-0	99
3	1,1'-Biphenyl, 2,3,3',5'-tetrachloro-	290	C12H6Cl4	041464-49-7	99
4	1,1'-Biphenyl, 3,3',4,4'-tetrachloro-	290	C12H6Cl4	032598-13-3	99
5	1,1'-Biphenyl, 3,3',4,5'-tetrachloro-	290	C12H6Cl4	041464-48-6	99



Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP050423\
Data File : BP014966.D
Acq On : 04 May 2023 22:48
Operator : CG/JU
Sample : 02479-02
Misc :
ALS Vial : 25 Sample Multiplier: 1

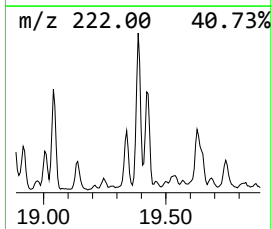
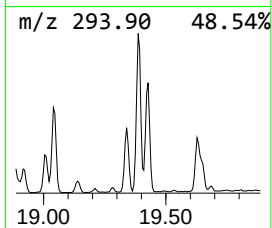
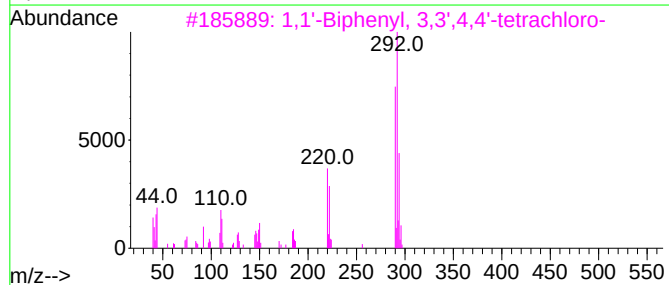
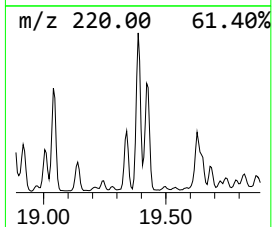
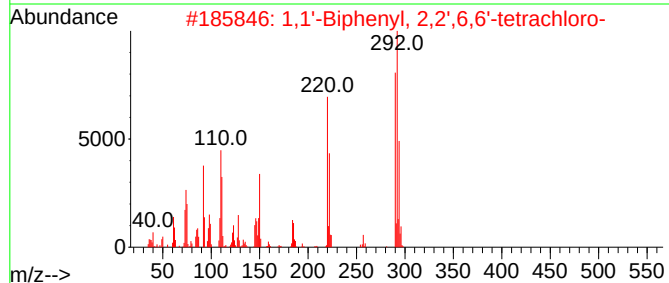
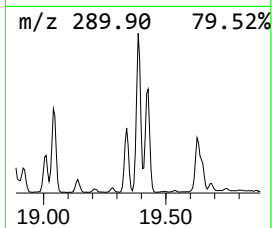
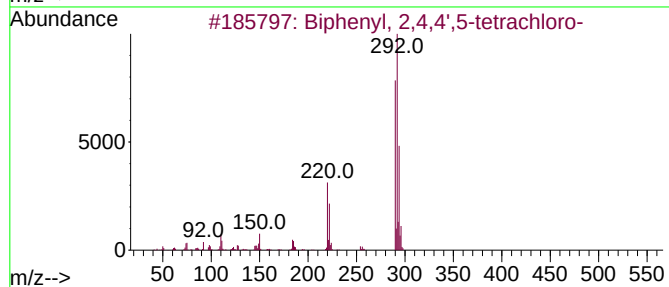
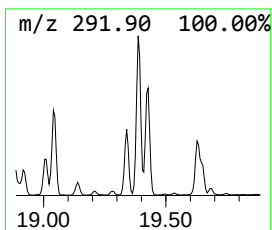
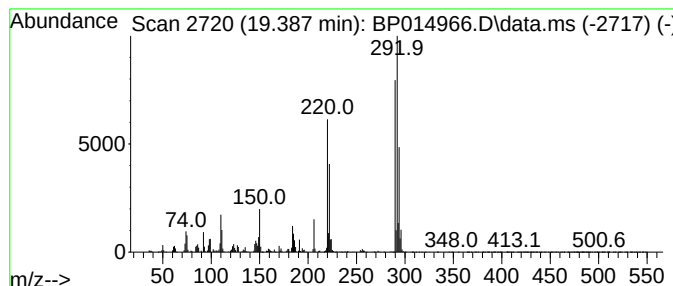
Instrument :
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ClientSampleId :
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Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\SFAM-EPA-BP050323.MA.M
Quant Title : SVOA CALIBRATION

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

Peak Number 22 Biphenyl, 2,4,4',5-tetrachl... Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD		R.T.	
19.387	8.82 ng/ul	1750900	Phenanthrene-d10		17.563	
Hit# of 5	Tentative ID		MW	MolForm	CAS#	Qual
1	Biphenyl, 2,4,4',5-tetrachloro-		290	C12H6Cl4	032690-93-0	99
2	1,1'-Biphenyl, 2,2',6,6'-tetrach...		290	C12H6Cl4	015968-05-5	99
3	1,1'-Biphenyl, 3,3',4,4'-tetrach...		290	C12H6Cl4	032598-13-3	98
4	2,2',4,5-Tetrachloro-1,1'-biphenyl		290	C12H6Cl4	070362-47-9	97
5	2,2',4,5-Tetrachloro-1,1'-biphenyl		290	C12H6Cl4	070362-47-9	97



Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP050423\
Data File : BP014966.D
Acq On : 04 May 2023 22:48
Operator : CG/JU
Sample : 02479-02
Misc :
ALS Vial : 25 Sample Multiplier: 1

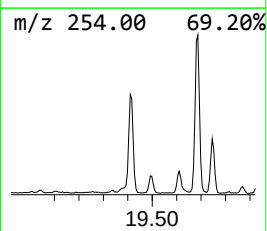
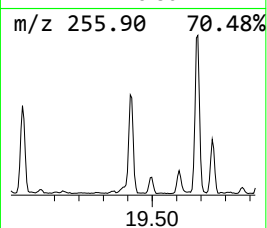
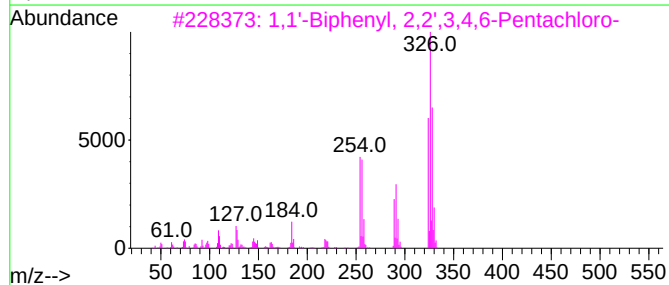
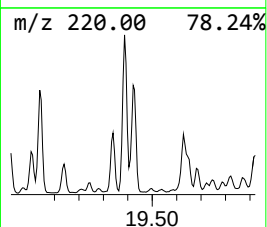
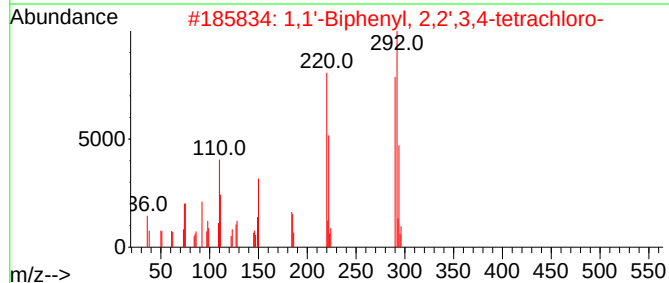
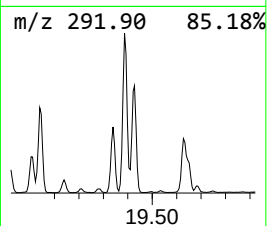
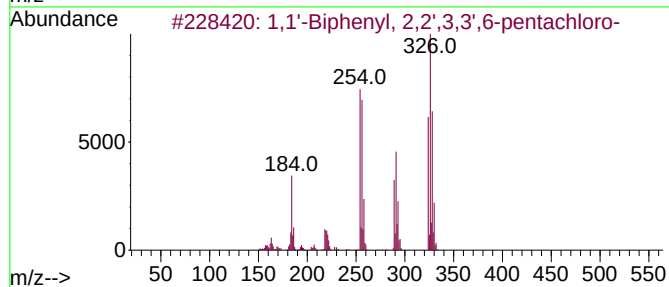
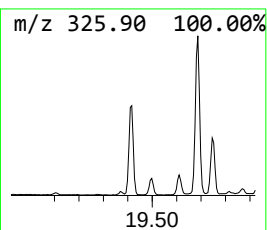
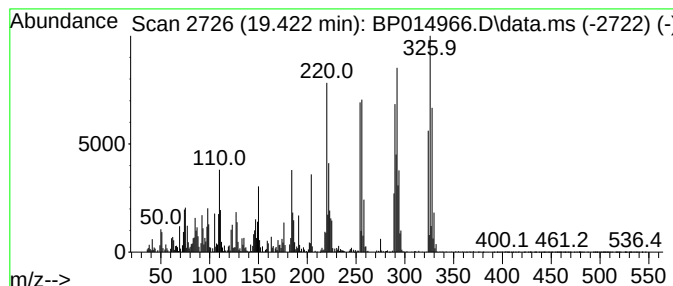
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ClientSampleId :
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Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\SFAM-EPA-BP050323.MA.M
Quant Title : SVOA CALIBRATION

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

Peak Number 23 1,1'-Biphenyl, 2,2',3,3',6-... Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.	
19.422	15.16 ng/ul	3011060	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	98
2	1,1'-Biphenyl, 2,2',3,4-tetrachl...	290	C12H6Cl4	052663-59-9	97
3	1,1'-Biphenyl, 2,2',3,4,6-Pentac...	324	C12H5Cl5	055215-17-3	97
4	1,1'-Biphenyl, 2,2',3,3',5-penta...	324	C12H5Cl5	060145-20-2	97
5	1,1'-Biphenyl, 2,3,3',4'-tetrach...	290	C12H6Cl4	041464-43-1	97



Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP050423\
Data File : BP014966.D
Acq On : 04 May 2023 22:48
Operator : CG/JU
Sample : 02479-02
Misc :
ALS Vial : 25 Sample Multiplier: 1

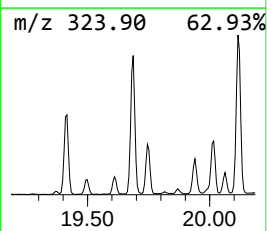
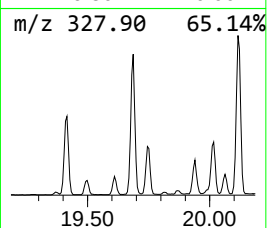
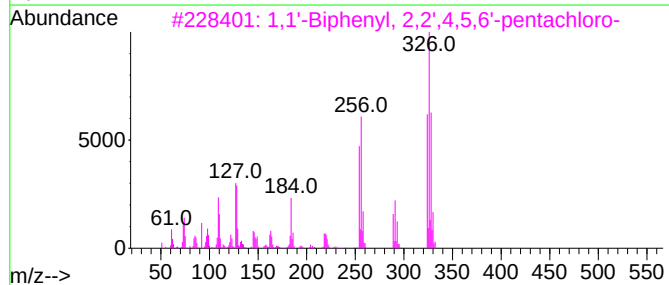
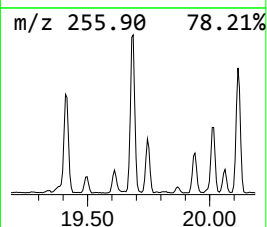
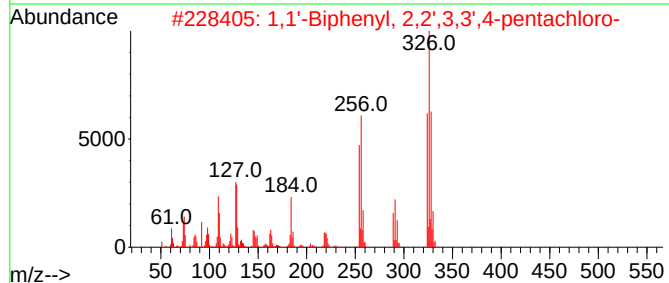
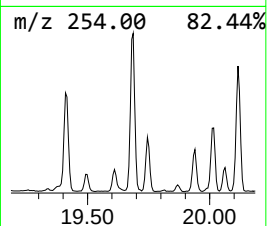
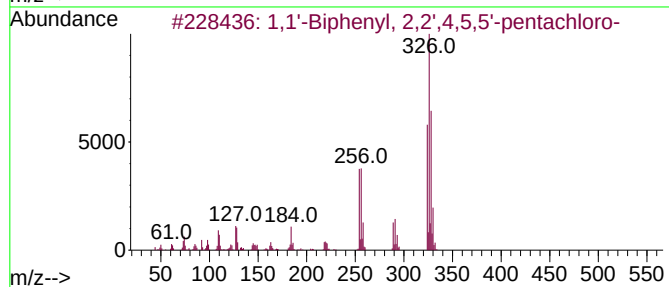
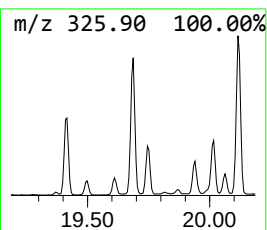
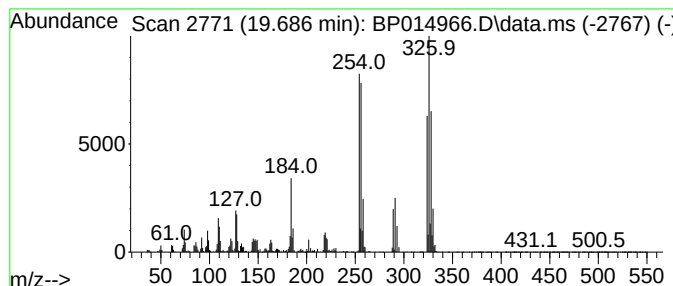
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ClientSampleId :
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Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\SFAM-EPA-BP050323.MA.M
Quant Title : SVOA CALIBRATION

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

Peak Number 24 1,1'-Biphenyl, 2,2',4,5,5'-... Concentration Rank 21

R.T.	EstConc	Area	Relative to ISTD	R.T.	
19.686	3.79 ng/ul	2397990	Chrysene-d12	21.645	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,1'-Biphenyl, 2,2',4,5,5'-penta...	324	C12H5Cl5	037680-73-2	99
2	1,1'-Biphenyl, 2,2',3,3',4-penta...	324	C12H5Cl5	052663-62-4	99
3	1,1'-Biphenyl, 2,2',4,5,6'-penta...	324	C12H5Cl5	068194-06-9	99
4	1,1'-Biphenyl, 2,2',4,5',6-Penta...	324	C12H5Cl5	060145-21-3	97
5	2,2',3,4',5-Pentachloro-1,1'-bip...	324	C12H5Cl5	068194-07-0	97



Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP050423\
Data File : BP014966.D
Acq On : 04 May 2023 22:48
Operator : CG/JU
Sample : 02479-02
Misc :
ALS Vial : 25 Sample Multiplier: 1

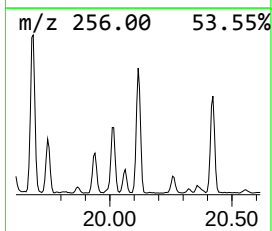
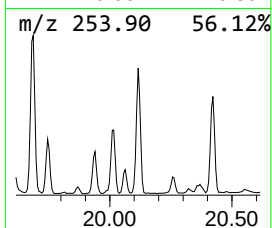
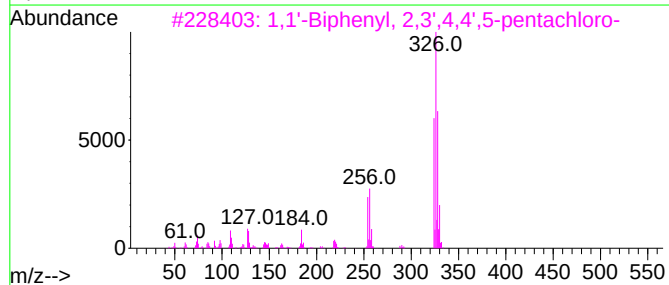
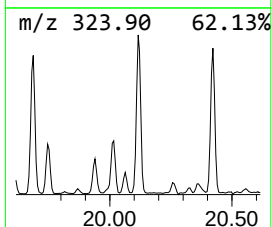
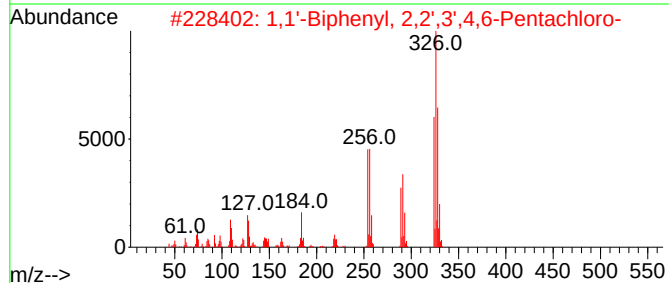
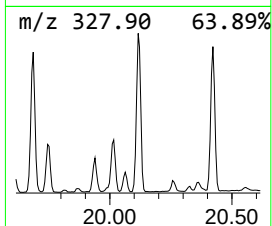
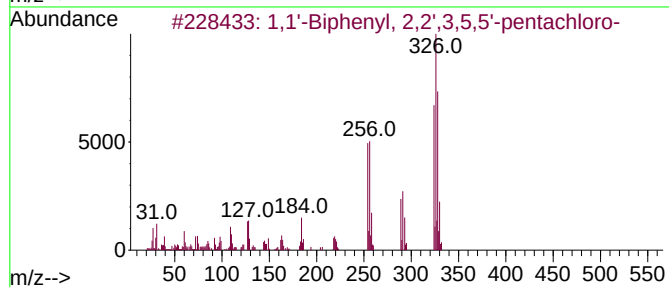
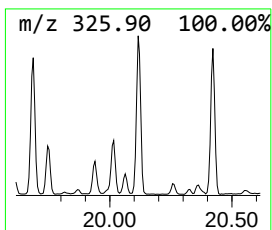
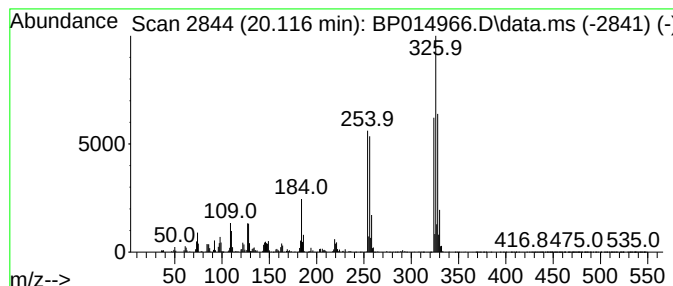
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BNA_P
ClientSampleId :
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Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\SFAM-EPA-BP050323.MA.M
Quant Title : SVOA CALIBRATION

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

Peak Number 25 1,1'-Biphenyl, 2,2',3,5,5'-... Concentration Rank 29

R.T.	EstConc	Area	Relative to ISTD	R.T.	
20.116	2.41 ng/ul	1523890	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	1,1'-Biphenyl, 2,2',3',4,6-Penta...	324	C12H5Cl5	060233-25-2	99
3	1,1'-Biphenyl, 2,3',4,4',5-penta...	324	C12H5Cl5	031508-00-6	98
4	1,1'-Biphenyl, 2,2',4,5,5'-penta...	324	C12H5Cl5	037680-73-2	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 : BP014966.D
Acq On : 04 May 2023 22:48
Operator : CG/JU
Sample : 02479-02
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
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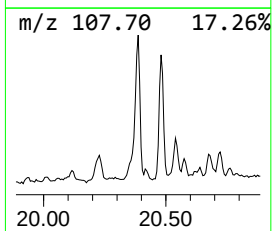
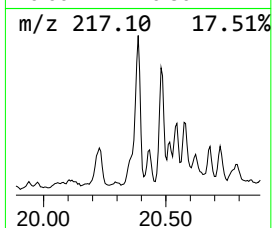
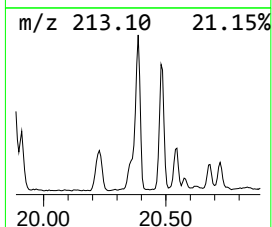
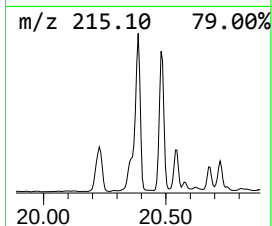
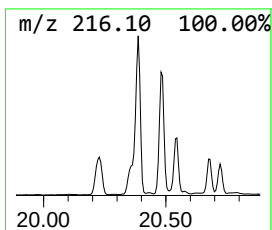
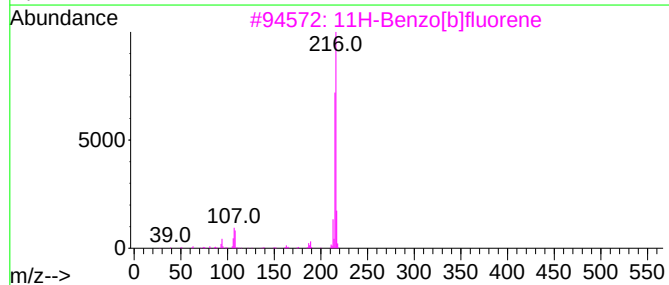
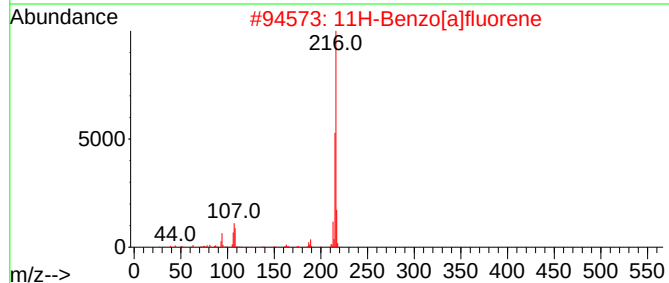
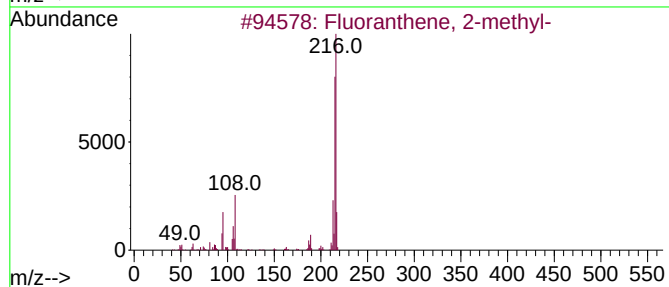
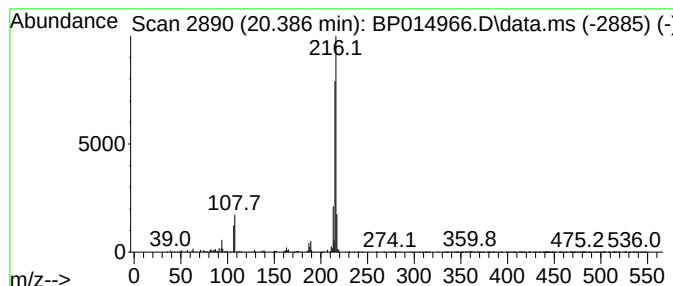
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Quant Title : SVOA CALIBRATION

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

Peak Number 26 Fluoranthene, 2-methyl- Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.387	5.36 ng/ul	3392120	Chrysene-d12	21.645

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	96
2			11H-Benzo[a]fluorene	216	C17H12	000238-84-6	94
3			11H-Benzo[b]fluorene	216	C17H12	000243-17-4	93
4			11H-Benzo[a]fluorene	216	C17H12	000238-84-6	91
5			11H-Benzo[b]fluorene	216	C17H12	000243-17-4	91



Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP050423\
Data File : BP014966.D
Acq On : 04 May 2023 22:48
Operator : CG/JU
Sample : 02479-02
Misc :
ALS Vial : 25 Sample Multiplier: 1

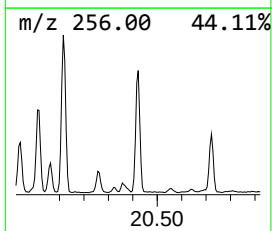
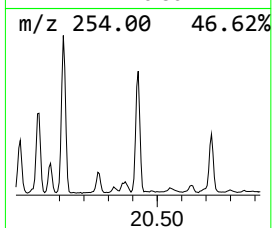
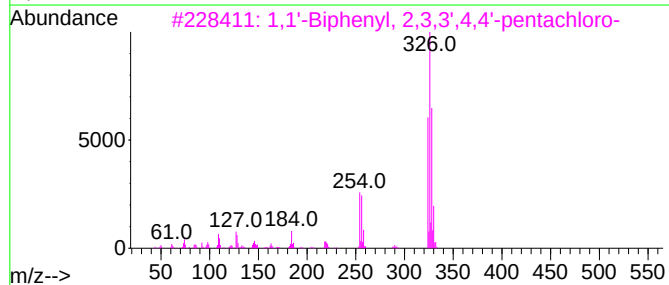
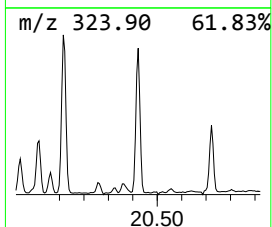
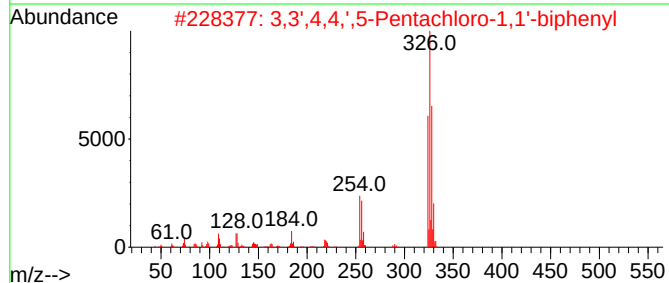
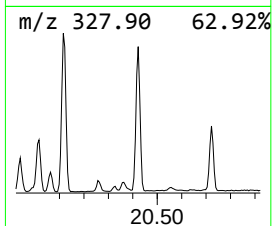
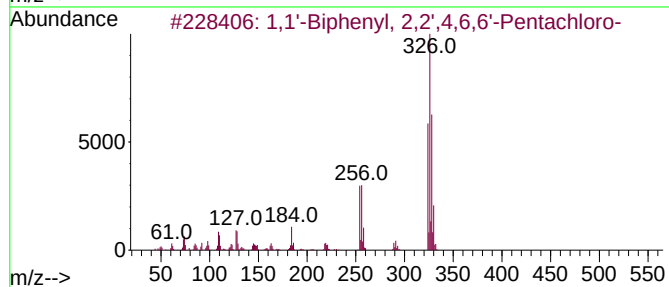
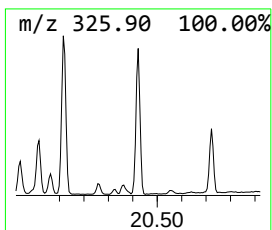
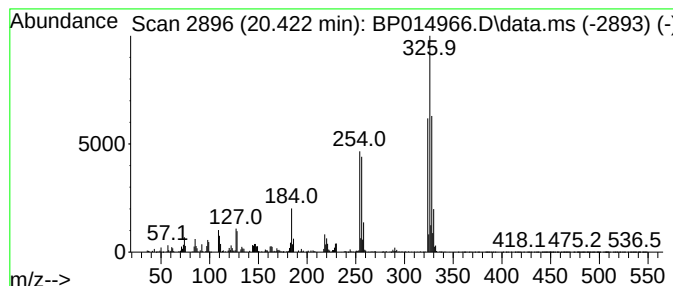
Instrument :
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ClientSampleId :
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Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\SFAM-EPA-BP050323.MA.M
Quant Title : SVOA CALIBRATION

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

Peak Number 27 1,1'-Biphenyl, 2,2',4,6,6'-... Concentration Rank 31

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.422	2.34 ng/ul	1481450	Chrysene-d12	21.645
Hit#	of 5	Tentative ID	MW MolForm	CAS# Qual
1	1,1'-Biphenyl, 2,2',4,6,6'-Penta...	324 C12H5Cl5	056558-16-8	99
2	3,3',4,4',5-Pentachloro-1,1'-bi...	324 C12H5Cl5	057465-28-8	99
3	1,1'-Biphenyl, 2,3,3',4,4'-penta...	324 C12H5Cl5	032598-14-4	99
4	3,3',4,5,5'-Pentachloro-1,1'-bip...	324 C12H5Cl5	039635-33-1	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 : BP014966.D
Acq On : 04 May 2023 22:48
Operator : CG/JU
Sample : 02479-02
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
EW943

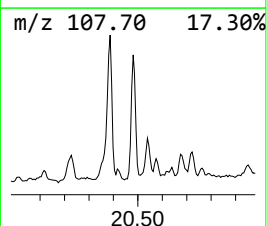
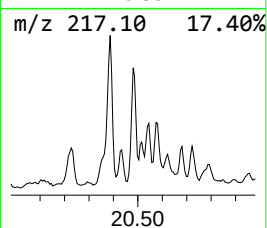
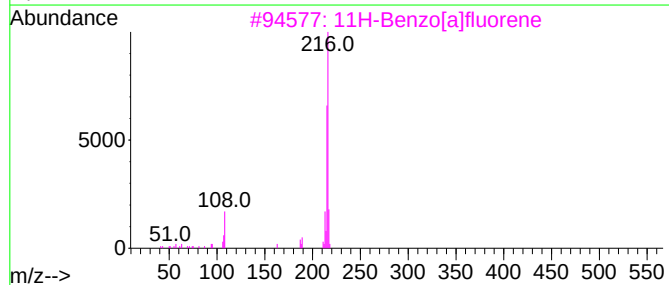
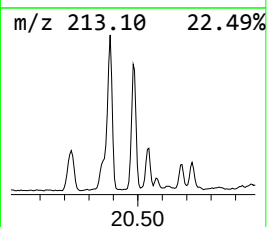
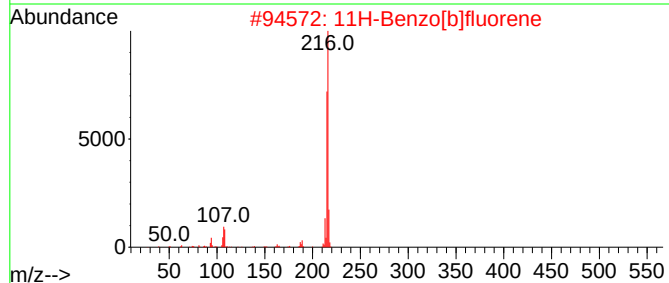
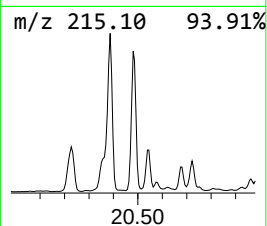
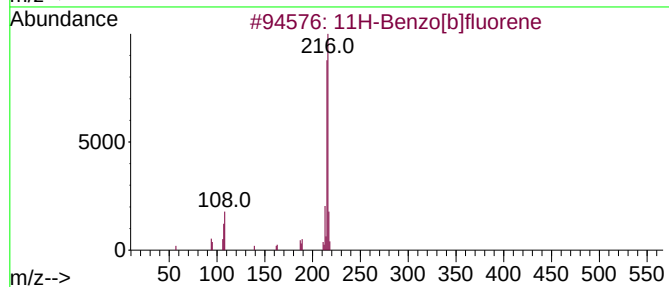
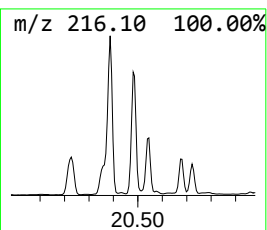
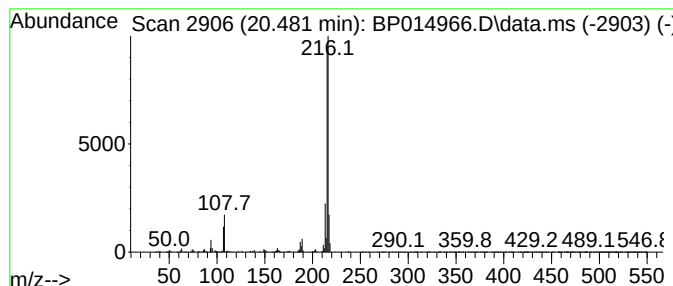
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Quant Title : SVOA CALIBRATION

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

Peak Number 28 11H-Benzo[b]fluorene Concentration Rank 24

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.481	3.31 ng/ul	2094720	Chrysene-d12	21.645

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			11H-Benzo[b]fluorene	216	C17H12	000243-17-4	93
2			11H-Benzo[b]fluorene	216	C17H12	000243-17-4	93
3			11H-Benzo[a]fluorene	216	C17H12	000238-84-6	92
4			11H-Benzo[a]fluorene	216	C17H12	000238-84-6	91
5			Pyrene, 1-methyl-	216	C17H12	002381-21-7	70



Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP050423\
Data File : BP014966.D
Acq On : 04 May 2023 22:48
Operator : CG/JU
Sample : 02479-02
Misc :
ALS Vial : 25 Sample Multiplier: 1

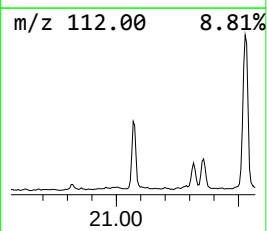
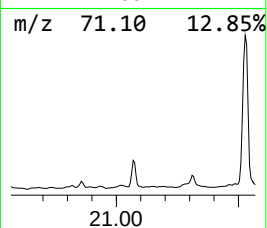
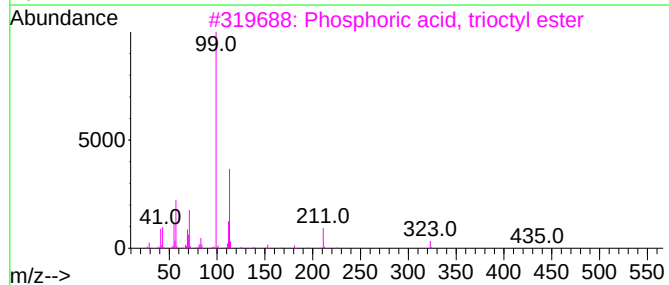
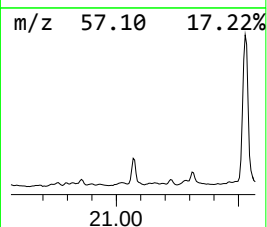
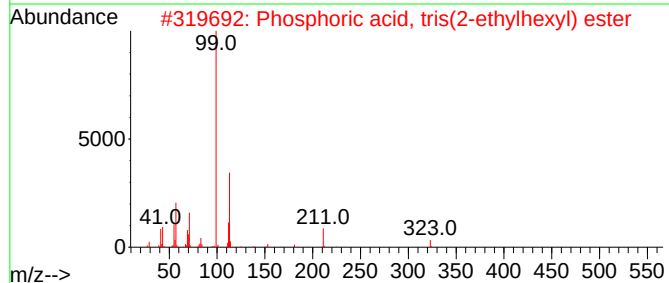
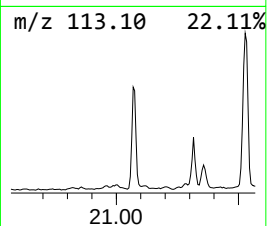
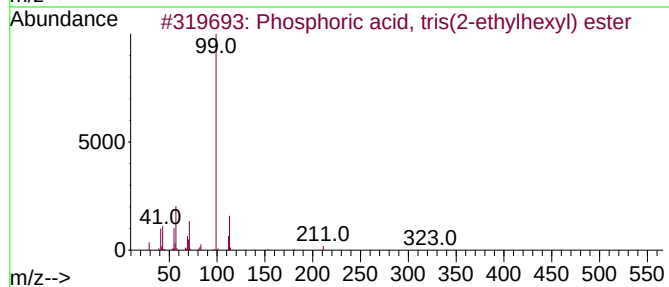
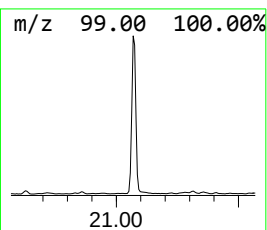
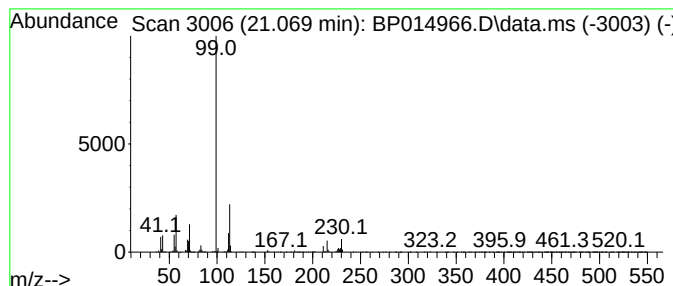
Instrument :
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ClientSampleId :
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Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\SFAM-EPA-BP050323.MA.M
Quant Title : SVOA CALIBRATION

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

Peak Number 29 Phosphoric acid, tris(2-eth... Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.	
21.069	4.14 ng/ul	2619340	Chrysene-d12	21.645	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phosphoric acid, tris(2-ethylhex...	434	C24H51O4P	000078-42-2	72
2	Phosphoric acid, tris(2-ethylhex...	434	C24H51O4P	000078-42-2	49
3	Phosphoric acid, trioctyl ester	434	C24H51O4P	001806-54-8	47
4	3,5-Diamino-1,2,4-triazole	99	C2H5N5	001455-77-2	47
5	Triisobutyl phosphate	266	C12H27O4P	000126-71-6	42



Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP050423\
Data File : BP014966.D
Acq On : 04 May 2023 22:48
Operator : CG/JU
Sample : 02479-02
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
EW943

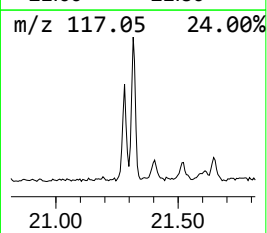
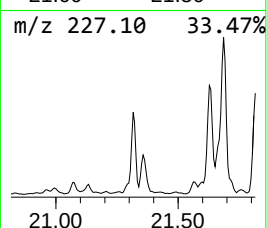
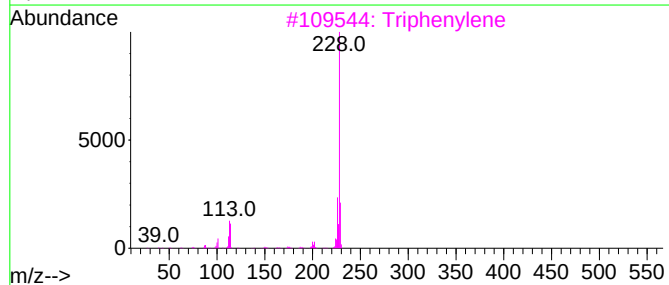
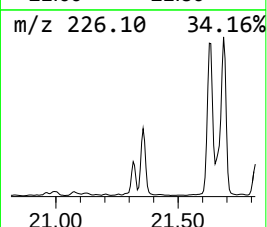
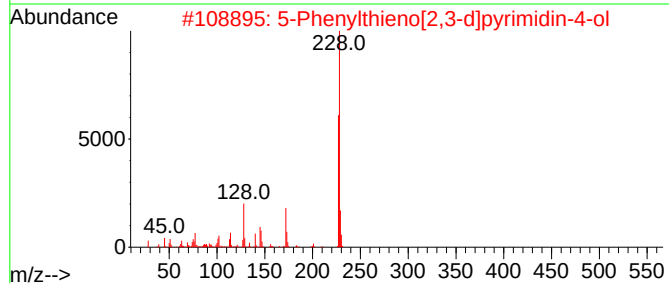
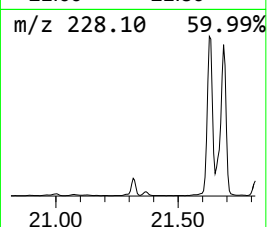
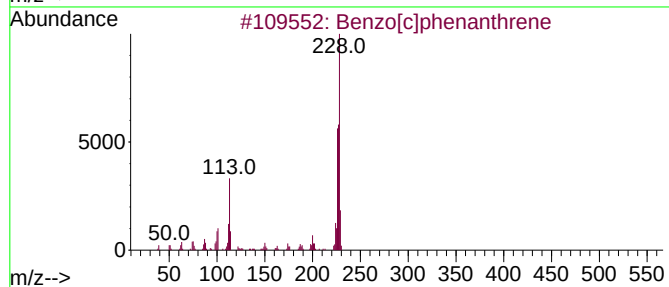
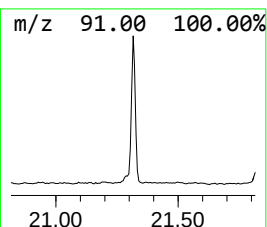
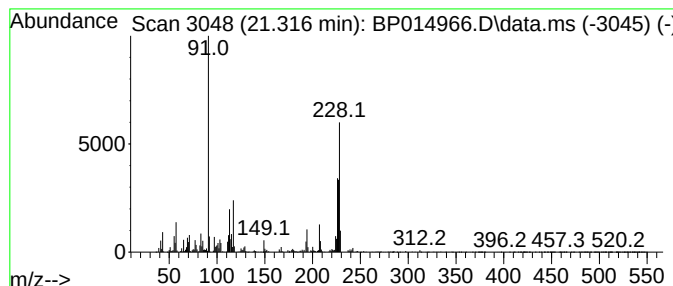
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Quant Title : SVOA CALIBRATION

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

Peak Number 30 unknown-02 Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.316	3.99 ng/ul	2527050	Chrysene-d12	21.645

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Benzo[c]phenanthrene	228	C18H12	000195-19-7	43
2			5-Phenylthieno[2,3-d]pyrimidin-4-ol	228	C12H8N2OS	035978-39-3	35
3			Triphenylene	228	C18H12	000217-59-4	30
4			Triphenylene	228	C18H12	000217-59-4	30
5			Cyclopenta(cd)pyrene, 3,4-dihydro-	228	C18H12	025732-74-5	30



Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP050423\
Data File : BP014966.D
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Sample : 02479-02
Misc :
ALS Vial : 25 Sample Multiplier: 1

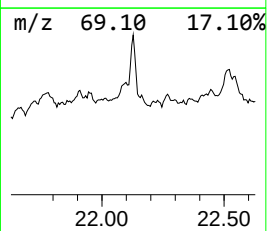
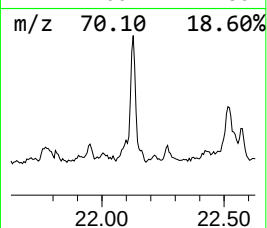
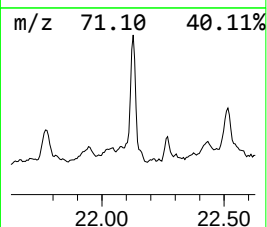
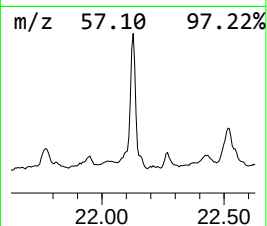
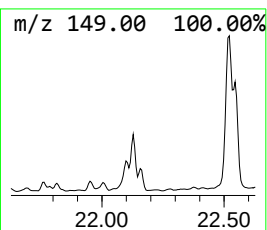
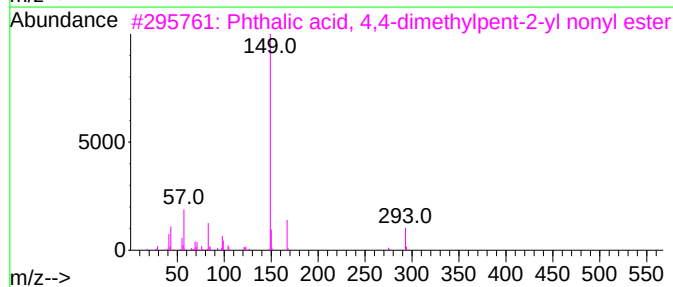
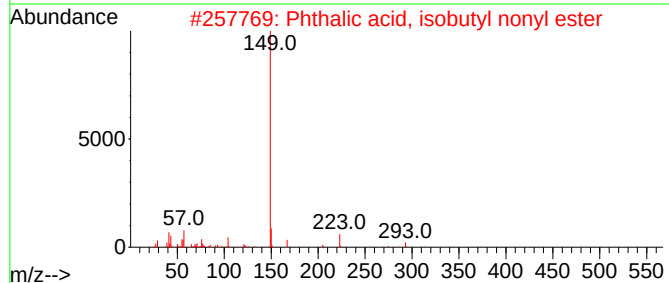
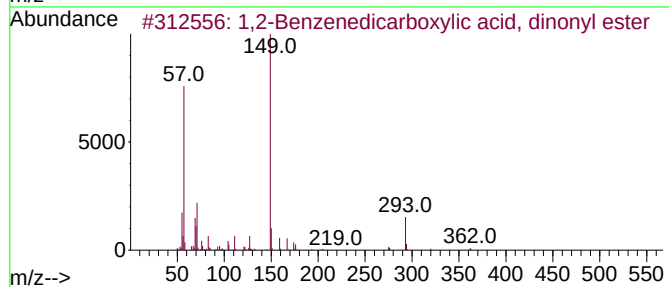
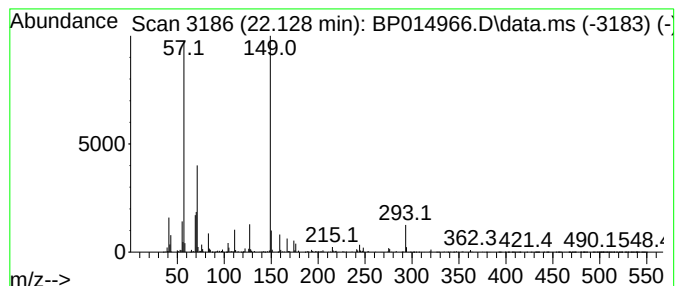
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ClientSampleId :
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Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\SFAM-EPA-BP050323.MA.M
Quant Title : SVOA CALIBRATION

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

Peak Number 31 1,2-Benzenedicarboxylic aci... Concentration Rank 32

R.T.	EstConc	Area	Relative to ISTD	R.T.	
22.128	2.28 ng/ul	1441800	Chrysene-d12	21.645	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,2-Benzenedicarboxylic acid, di...	418	C26H42O4	000084-76-4	70
2	Phthalic acid, isobutyl nonyl ester	348	C21H32O4	1000309-04-4	50
3	Phthalic acid, 4,4-dimethylpent-...	390	C24H38O4	1000371-13-6	47
4	1,2-Benzenedicarboxylic acid, di...	418	C26H42O4	000084-76-4	46
5	Phthalic acid, cycloheptyl nonyl...	388	C24H36O4	1000322-83-4	43



Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP050423\
Data File : BP014966.D
Acq On : 04 May 2023 22:48
Operator : CG/JU
Sample : 02479-02
Misc :
ALS Vial : 25 Sample Multiplier: 1

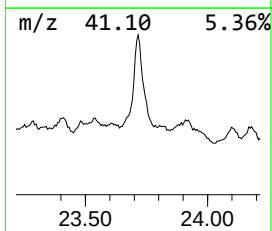
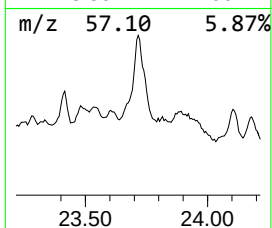
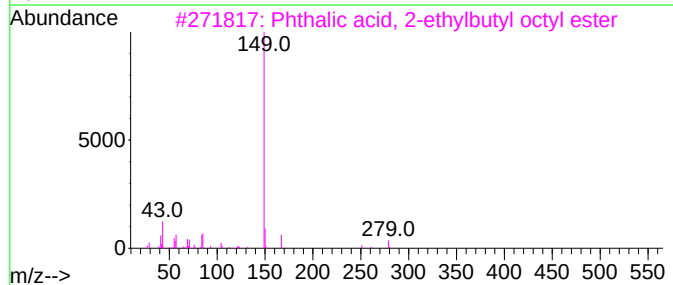
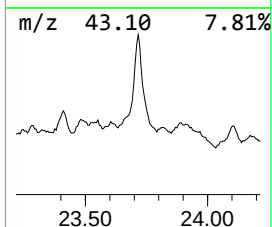
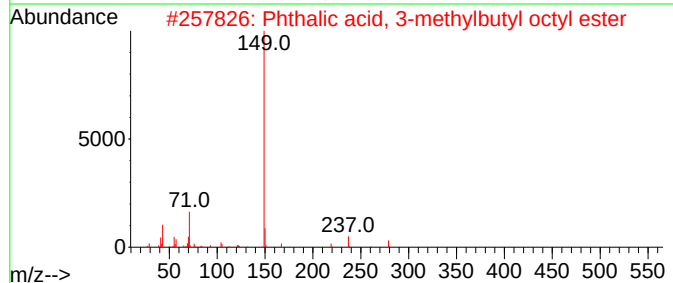
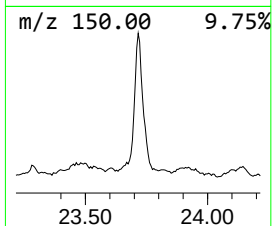
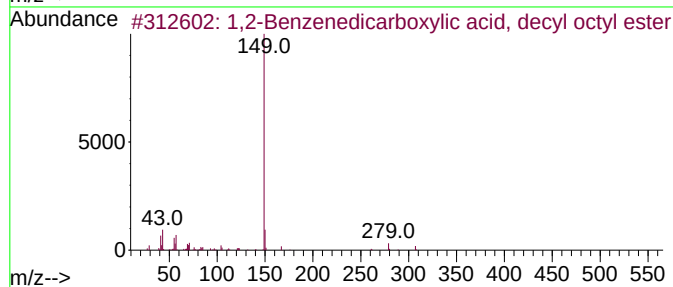
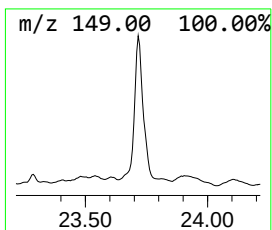
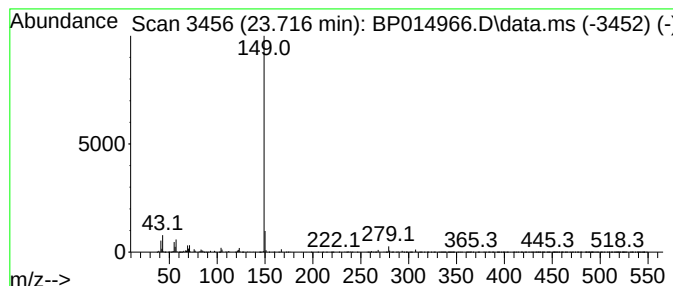
Instrument :
BNA_P
ClientSampleId :
EW943

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 32 1,2-Benzenedicarboxylic aci... Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.	
23.716	34.28 ng/ul	6767290	Perylene-d12	24.251	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,2-Benzenedicarboxylic acid, de...	418	C26H42O4	000119-07-3	87
2	Phthalic acid, 3-methylbutyl oct...	348	C21H32O4	1000356-80-9	86
3	Phthalic acid, 2-ethylbutyl octy...	362	C22H34O4	1000356-89-3	80
4	Phthalic acid, butyl dodecyl ester	390	C24H38O4	1010308-93-9	80
5	Phthalic acid, 6-ethyl-3-octyl p...	376	C23H36O4	1000315-17-5	80



Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP050423\
Data File : BP014966.D
Acq On : 04 May 2023 22:48
Operator : CG/JU
Sample : 02479-02
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
EW943

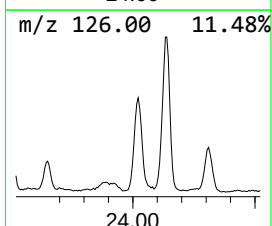
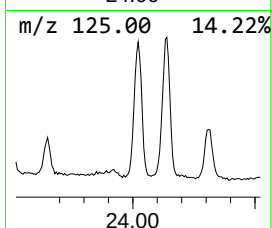
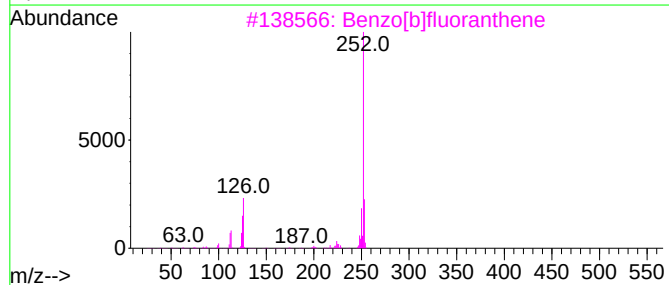
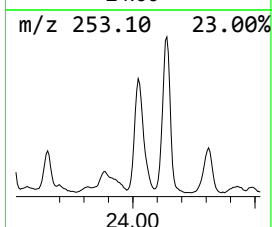
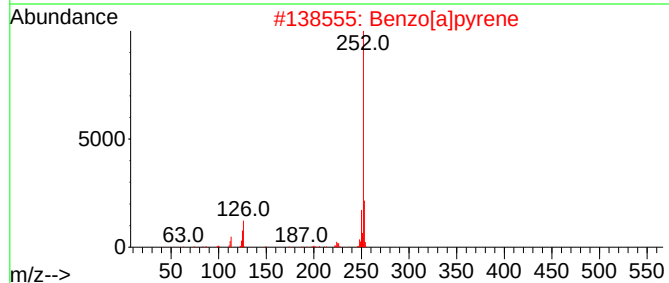
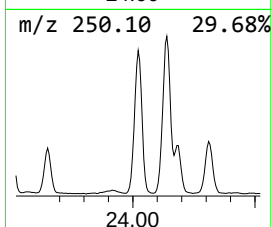
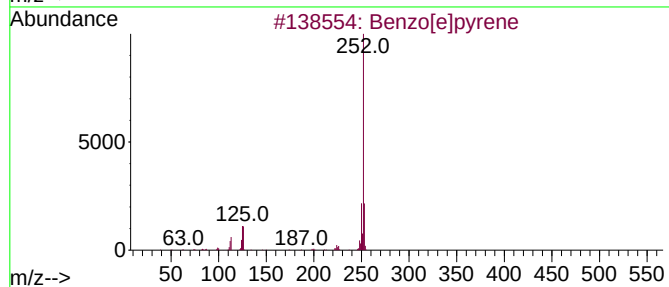
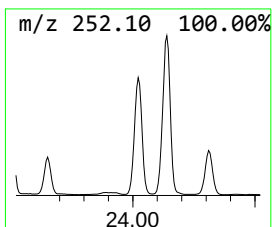
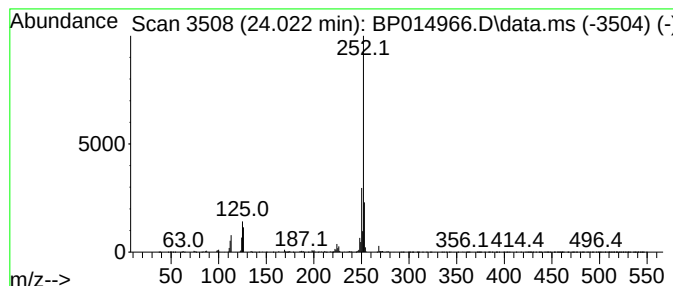
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Quant Title : SVOA CALIBRATION

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

Peak Number 33 Benzo[e]pyrene Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
24.022	16.10 ng/ul	3179290	Perylene-d12	24.251

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Benzo[e]pyrene	252	C20H12	000192-97-2	98
2			Benzo[a]pyrene	252	C20H12	000050-32-8	97
3			Benzo[b]fluoranthene	252	C20H12	000205-99-2	93
4			Benzo[k]fluoranthene	252	C20H12	000207-08-9	93
5			Benzo[k]fluoranthene	252	C20H12	000207-08-9	90



Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP050423\
 Data File : BP014966.D
 Acq On : 04 May 2023 22:48
 Operator : CG/JU
 Sample : 02479-02
 Misc :
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 EW943

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
.alpha.-Methyls...	7.581	4.6	ng/ul	529028	1	8.164	2280320	20.0
Naphthalene, 1,...	14.128	2.2	ng/ul	455069	3	14.810	4153840	20.0
Benzophenone	16.157	5.1	ng/ul	1060250	3	14.810	4153840	20.0
6H-Dibenzo[b,d]...	16.293	2.8	ng/ul	564515	4	17.563	3971560	20.0
(DEL) Alkane: S...	16.522	2.4	ng/ul	477708	4	17.563	3971560	20.0
2-Propanol, 1-c...	17.304	4.1	ng/ul	822520	4	17.563	3971560	20.0
Dibenzothiophene	17.381	2.8	ng/ul	561543	4	17.563	3971560	20.0
1,1'-Biphenyl, ...	17.434	3.5	ng/ul	703948	4	17.563	3971560	20.0
1,1'-Biphenyl, ...	18.151	23.4	ng/ul	4651820	4	17.563	3971560	20.0
1,1'-Biphenyl, ...	18.269	5.3	ng/ul	1049780	4	17.563	3971560	20.0
1,1'-Biphenyl, ...	18.392	3.6	ng/ul	716823	4	17.563	3971560	20.0
Anthracene, 2-m...	18.422	9.8	ng/ul	1937040	4	17.563	3971560	20.0
unknown-01	18.604	24.7	ng/ul	4910850	4	17.563	3971560	20.0
1,1'-Biphenyl, ...	18.657	9.0	ng/ul	1786230	4	17.563	3971560	20.0
1,1'-Biphenyl, ...	18.698	5.8	ng/ul	1151580	4	17.563	3971560	20.0
1,1'-Biphenyl, ...	18.869	8.1	ng/ul	1611940	4	17.563	3971560	20.0
1,1'-Biphenyl, ...	19.040	4.0	ng/ul	804310	4	17.563	3971560	20.0
1,1'-Biphenyl, ...	19.134	2.8	ng/ul	548886	4	17.563	3971560	20.0
3,3',4,5-Tetrac...	19.339	5.9	ng/ul	1176100	4	17.563	3971560	20.0
Biphenyl, 2,4,4...	19.387	8.8	ng/ul	1750900	4	17.563	3971560	20.0
1,1'-Biphenyl, ...	19.422	15.2	ng/ul	3011060	4	17.563	3971560	20.0
1,1'-Biphenyl, ...	19.686	3.8	ng/ul	2397990	5	21.645	12664000	20.0
1,1'-Biphenyl, ...	20.116	2.4	ng/ul	1523890	5	21.645	12664000	20.0
Fluoranthene, 2...	20.387	5.4	ng/ul	3392120	5	21.645	12664000	20.0
1,1'-Biphenyl, ...	20.422	2.3	ng/ul	1481450	5	21.645	12664000	20.0
11H-Benzo[b]flu...	20.481	3.3	ng/ul	2094720	5	21.645	12664000	20.0
Phosphoric acid...	21.069	4.1	ng/ul	2619340	5	21.645	12664000	20.0
unknown-02	21.316	4.0	ng/ul	2527050	5	21.645	12664000	20.0
1,2-Benzenedica...	22.128	2.3	ng/ul	1441800	5	21.645	12664000	20.0
1,2-Benzenedica...	23.716	34.3	ng/ul	6767290	6	24.251	3948530	20.0
Benzo[e]pyrene	24.022	16.1	ng/ul	3179290	6	24.251	3948530	20.0