LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP121420\
Data File : BP004273.D
Acq On : 14 Dec 2020 14:37
Operator : CG/JU
Sample : L5000-01
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : A54A1

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\SOM-EPA-BP121020MA.M
Title : SVOA CALIBRATION

Signal : TIC

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	6.999	642	648	660	rVB	569868	946790	5.09%	0.445%
2	7.169	671	677	688	rVB	395539	662946	3.56%	0.312%
3	7.369	704	711	717	rBV	570796	930940	5.00%	0.438%
4	7.834	784	790	797	rVB	1160862	1869783	10.04%	0.879%
5	8.534	903	909	917	rBV	670634	1126665	6.05%	0.530%
6	8.987	978	986	996	rVB	495280	861055	4.63%	0.405%
7	9.710	1102	1109	1117	rBV	413601	705824	3.79%	0.332%
8	10.251	1193	1201	1210	rBV	753845	1246464	6.70%	0.586%
9	10.634	1258	1266	1271	rBV	1663367	2884074	15.49%	1.356%
10	10.681	1271	1274	1281	rVV	476176	735438	3.95%	0.346%
11	10.763	1281	1288	1303	rVB	449132	864357	4.64%	0.407%
12	12.298	1541	1549	1556	rBV	297133	474913	2.55%	0.223%
13	12.516	1581	1586	1595	rVB	194315	318454	1.71%	0.150%
14	13.310	1716	1721	1726	rBV	122584	182404	0.98%	0.086%
15	13.381	1727	1733	1740	rVV	696079	1023990	5.50%	0.482%
16	13.804	1794	1805	1809	rBV	160842	296579	1.59%	0.139%
17	13.887	1814	1819	1824	rVV	1273089	1816024	9.75%	0.854%
18	13.934	1824	1827	1833	rVV	360975	476577	2.56%	0.224%
19	14.175	1862	1868	1881	rVB	1586090	2445950	13.14%	1.150%
20	14.487	1908	1921	1926	rVV	2603730	4038492	21.69%	1.899%
21	14.545	1926	1931	1938	rVV	774654	1193889	6.41%	0.561%
22	14.675	1947	1953	1964	rVV	509310	859118	4.61%	0.404%
23	14.887	1982	1989	1997	rVV	775140	1250310	6.72%	0.588%
24	15.481	2082	2090	2095	rVV	1940097	2906677	15.61%	1.367%
25	15.534	2095	2099	2106	rVV	909838	1387236	7.45%	0.652%
26	15.610	2106	2112	2118	rVV3	339815	679126	3.65%	0.319%
27	15.663	2118	2121	2124	rVV	137336	201049	1.08%	0.095%
28	15.698	2124	2127	2133	rVV2	165132	286523	1.54%	0.135%
29	15.834	2146	2150	2158	rVB	302273	453354	2.44%	0.213%
30	15.981	2169	2175	2182	rVV	335989	698554	3.75%	0.329%
31	16.069	2182	2190	2197	rVB3	73869	177703	0.95%	0.084%
32	16.210	2211	2214	2221	rVB3	107273	174833	0.94%	0.082%
33	16.522	2259	2267	2268	rVV3	122030	230108	1.24%	0.108%
34	16.545	2268	2271	2276	rVV2	199402	340981	1.83%	0.160%

LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP121420\
Data File : BP004273.D
Acq On : 14 Dec 2020 14:37
Operator : CG/JU
Sample : L5000-01
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : A54A1

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\SOM-EPA-BP121020MA.M
Title : SVOA CALIBRATION

35	16.598	2276	2280	2285	rVV2	114636	188246	1.01%	0.089%
36	16.781	2307	2311	2314	rVV2	142943	242886	1.30%	0.114%
37	16.816	2314	2317	2321	rVV2	163009	255130	1.37%	0.120%
38	16.892	2325	2330	2338	rVB	514544	821876	4.41%	0.387%
39	16.975	2339	2344	2351	rBV2	189531	474006	2.55%	0.223%
40	17.063	2354	2359	2369	rVB	673748	1032073	5.54%	0.485%
41	17.245	2384	2390	2393	rBV	3230206	4680690	25.14%	2.201%
42	17.292	2393	2398	2402	rVV	10092836	14934551	80.22%	7.024%
43	17.345	2402	2407	2410	rVV	2367202	3535818	18.99%	1.663%
44	17.381	2410	2413	2418	rVV	2023471	2683085	14.41%	1.262%
45	17.433	2418	2422	2428	rVB	392001	572891	3.08%	0.269%
46	17.645	2449	2458	2463	rBV2	1213756	2080761	11.18%	0.979%
47	17.769	2475	2479	2482	rVV	137456	175879	0.94%	0.083%
48	17.828	2485	2489	2498	rVB4	186173	287794	1.55%	0.135%
49	17.963	2508	2512	2520	rVB	113686	230094	1.24%	0.108%
50	18.116	2528	2538	2542	rBV	1198403	1963752	10.55%	0.924%
51	18.163	2542	2546	2551	rVB	1740703	2446073	13.14%	1.150%
52	18.239	2553	2559	2564	rVB	559861	781209	4.20%	0.367%
53	18.304	2564	2570	2574	rBV2	1655200	2988000	16.05%	1.405%
54	18.339	2574	2576	2583	rVB	800644	882480	4.74%	0.415%
55	18.404	2583	2587	2591	rBV3	130581	210913	1.13%	0.099%
56	18.445	2591	2594	2598	rVB2	150483	195509	1.05%	0.092%
57	18.598	2615	2620	2623	rBV	943749	1244219	6.68%	0.585%
58	18.639	2623	2627	2632	rVB	1371476	1758414	9.45%	0.827%
59	18.839	2657	2661	2665	rBV2	284172	331061	1.78%	0.156%
60	18.886	2666	2669	2672	rVB	196649	209016	1.12%	0.098%
61	18.922	2672	2675	2679	rVB2	239677	305834	1.64%	0.144%
62	19.004	2684	2689	2694	rBV2	561700	894645	4.81%	0.421%
63	19.069	2697	2700	2703	rVV3	185892	210631	1.13%	0.099%
64	19.139	2708	2712	2720	rVB	616845	979233	5.26%	0.461%
65	19.263	2727	2733	2739	rVB	13826525	18616658	100.00%	8.756%
66	19.322	2740	2743	2746	rVV	141637	181485	0.97%	0.085%
67	19.357	2746	2749	2754	rVB2	289246	403036	2.16%	0.190%
68	19.451	2760	2765	2768	rBV3	340559	574772	3.09%	0.270%
69	19.498	2769	2773	2776	rVB	386562	552007	2.97%	0.260%
70	19.586	2782	2788	2790	rBV3	5145765	7848884	42.16%	3.691%
71	19.616	2790	2793	2800	rVV	11449717	14703864	78.98%	6.915%

LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP121420\
Data File : BP004273.D
Acq On : 14 Dec 2020 14:37
Operator : CG/JU
Sample : L5000-01
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : A54A1

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\SOM-EPA-BP121020MA.M
Title : SVOA CALIBRATION

72	19.680	2800	2804	2811	rVB2	594797	918318	4.93%	0.432%
73	19.786	2818	2822	2827	rBV	729982	984868	5.29%	0.463%
74	19.845	2828	2832	2837	rVB	627983	913672	4.91%	0.430%
75	19.933	2840	2847	2852	rBV2	766274	1989134	10.68%	0.936%
76	19.980	2852	2855	2858	rVB	222028	257280	1.38%	0.121%
77	20.063	2864	2869	2870	rBV3	481429	686633	3.69%	0.323%
78	20.092	2871	2874	2879	rVB	1372112	2001738	10.75%	0.941%
79	20.192	2887	2891	2895	rBV	853177	1106632	5.94%	0.520%
80	20.251	2895	2901	2905	rVV2	1095328	1894995	10.18%	0.891%
81	20.286	2905	2907	2911	rVB	377282	415952	2.23%	0.196%
82	20.327	2911	2914	2918	rBV2	249134	324569	1.74%	0.153%
83	20.386	2921	2924	2928	rBV	564539	692514	3.72%	0.326%
84	20.433	2928	2932	2936	rVB3	564816	759739	4.08%	0.357%
85	20.827	2995	2999	3005	rVB	1161218	1562183	8.39%	0.735%
86	20.992	3021	3027	3030	rBV2	1220102	2106338	11.31%	0.991%
87	21.027	3030	3033	3036	rVV	1140386	1498654	8.05%	0.705%
88	21.069	3036	3040	3044	rVV2	1153937	2151236	11.56%	1.012%
89	21.116	3044	3048	3055	rVB2	1425528	2098539	11.27%	0.987%
90	21.327	3079	3084	3089	rBV3	7765504	14378645	77.24%	6.762%
91	21.374	3089	3092	3102	rVB	6293505	8652846	46.48%	4.070%
92	21.498	3109	3113	3118	rBV	993235	1419067	7.62%	0.667%
93	21.657	3137	3140	3146	rVB2	862856	1205617	6.48%	0.567%
94	21.969	3190	3193	3199	rVB3	796089	1133684	6.09%	0.533%
95	22.992	3361	3367	3372	rBV	4843782	11470827	61.62%	5.395%
96	23.498	3448	3453	3458	rBV	2488236	4959036	26.64%	2.332%
97	23.557	3459	3463	3466	rVV	1576674	3003787	16.13%	1.413%
98	23.604	3466	3471	3478	rVB	4118151	8024943	43.11%	3.774%
99	23.704	3483	3488	3494	rBV	2338026	4492943	24.13%	2.113%
100	26.139	3896	3902	3913	rVB2	2120654	6297422	33.83%	2.962%

Sum of corrected areas: 212626466

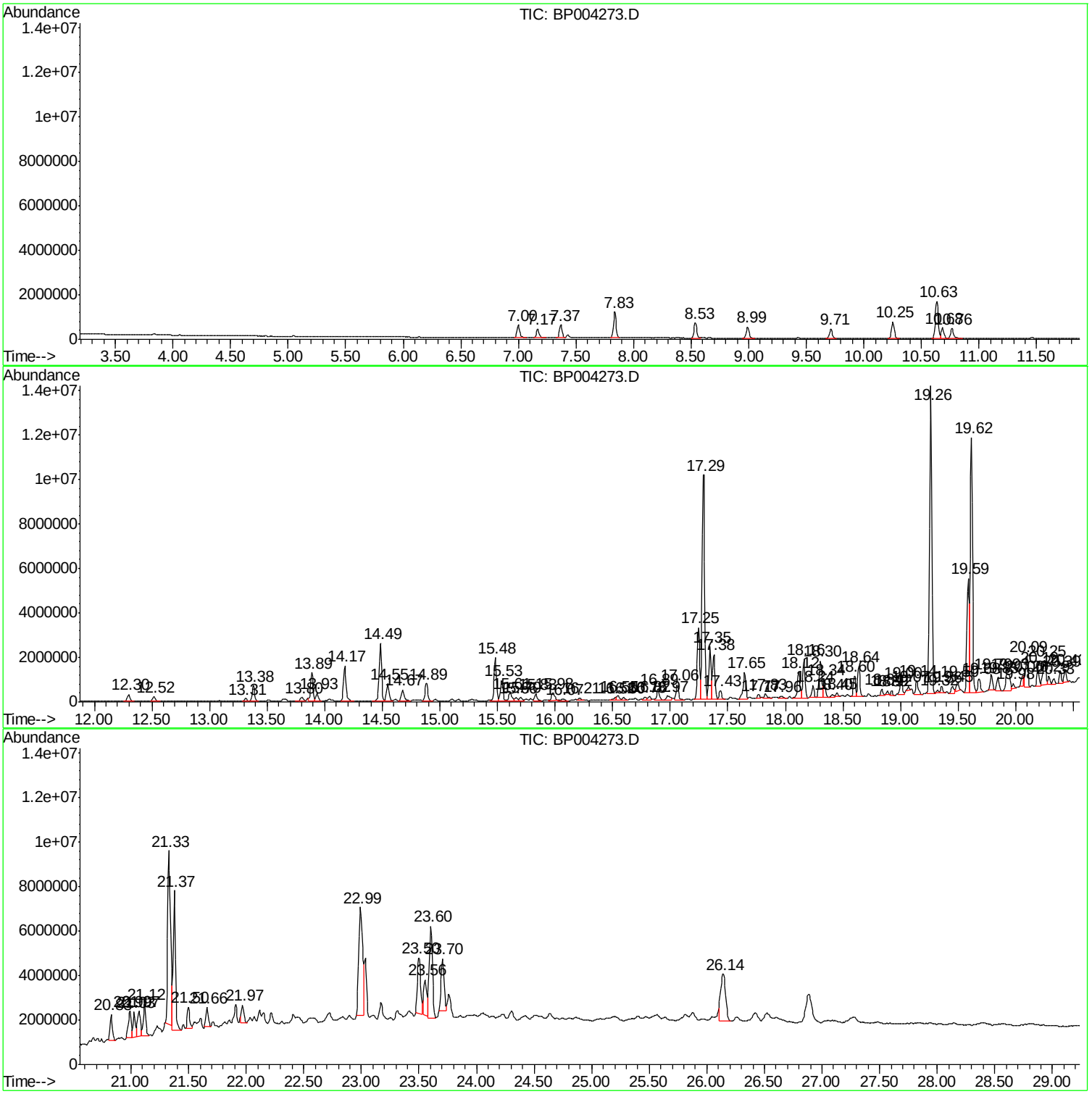
LSC Report - Integrated Chromatogram

Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP121420\
Data File : BP004273.D
Acq On : 14 Dec 2020 14:37
Operator : CG/JU
Sample : L5000-01
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : A54A1

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\SOM-EPA-BP121020MA.M
Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P



Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP121420\
Data File : BP004273.D
Acq On : 14 Dec 2020 14:37
Operator : CG/JU
Sample : L5000-01
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : A54A1

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\SOM-EPA-BP121020MA.M
Quant Title : SVOA CALIBRATION

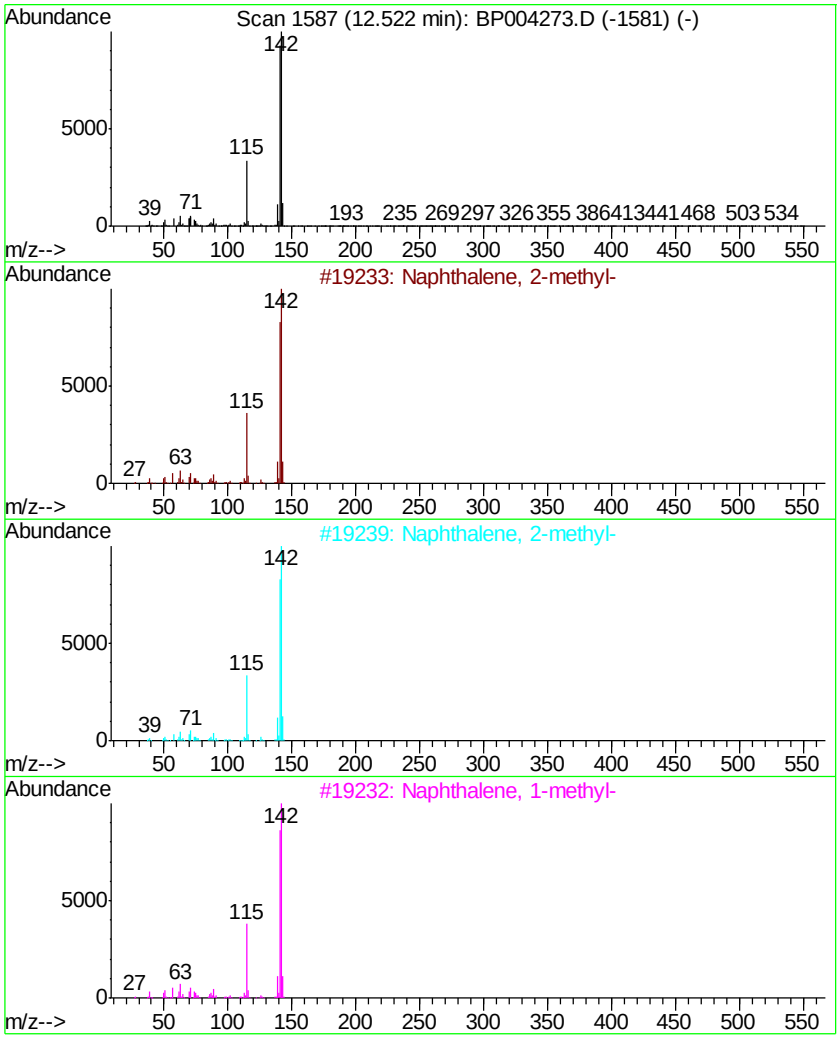
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

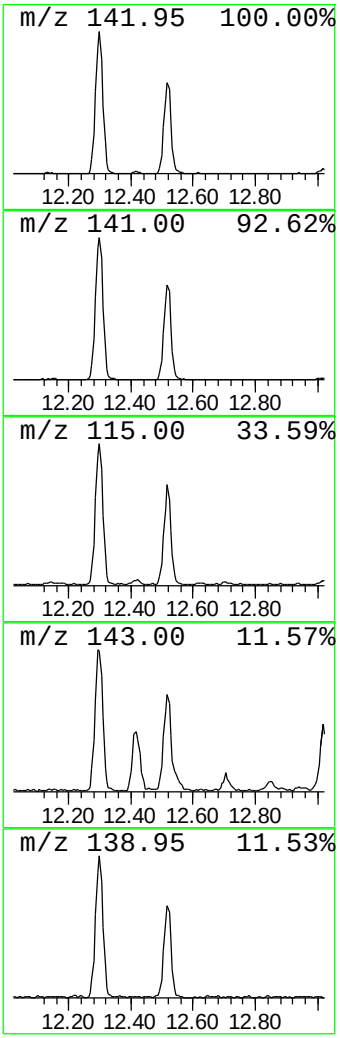
****

Peak Number 1 Naphthalene, 1-methyl- Concentration Rank 23

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.52	2.21 ng/ul	318454	Naphthalene-d8	10.63

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2-methyl-	142	C11H10	000091-57-6	97
2	Naphthalene, 2-methyl-	142	C11H10	000091-57-6	97
3	Naphthalene, 1-methyl-	142	C11H10	000090-12-0	96
4	1,4-Methanonaphthalene, 1,4-dihy...	142	C11H10	004453-90-1	94
5	Benzocycloheptatriene	142	C11H10	000264-09-5	91





Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP121420\
Data File : BP004273.D
Acq On : 14 Dec 2020 14:37
Operator : CG/JU
Sample : L5000-01
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : A54A1

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\SOM-EPA-BP121020MA.M
Quant Title : SVOA CALIBRATION

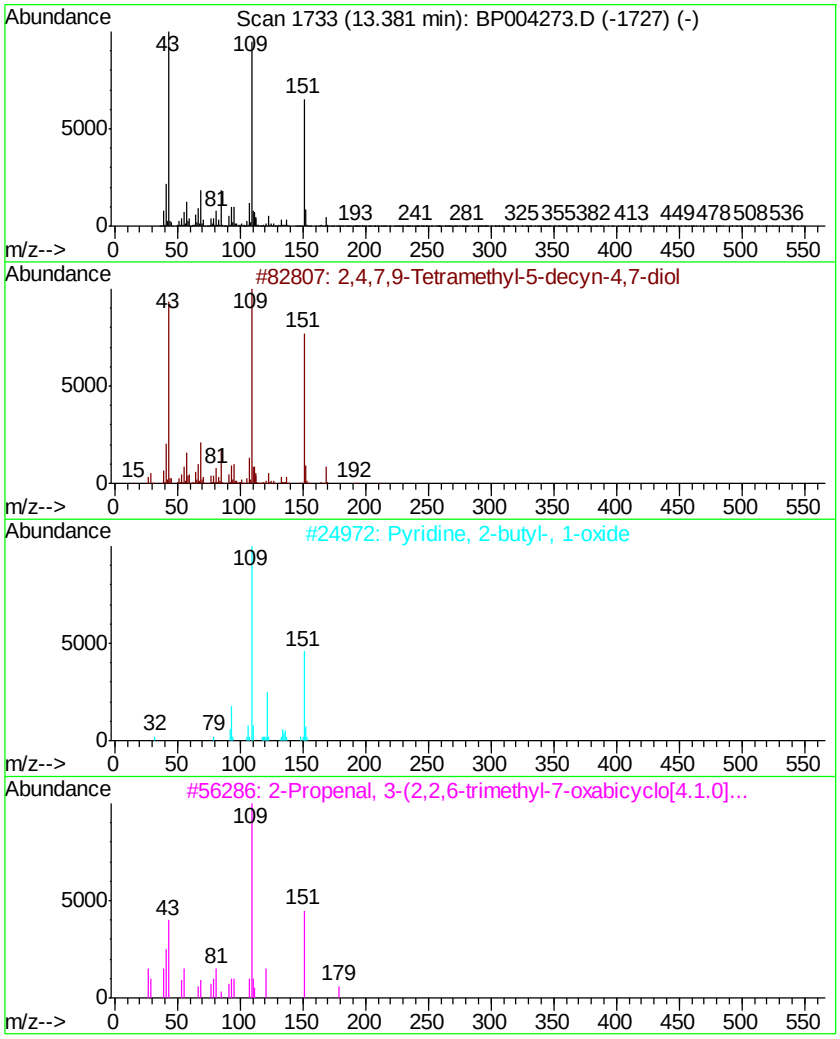
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

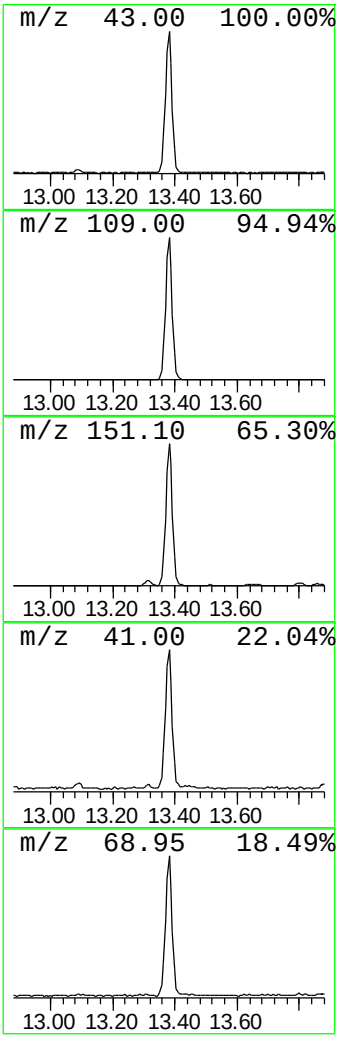
****

Peak Number 2 2,4,7,9-Tetramethyl-5-decyn... Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.38	5.07 ng/ul	1023990	Acenaphthene-d10	14.49

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2,4,7,9-Tetramethyl-5-decyn-4,7-...	226	C14H26O2	000126-86-3	91
2	Pyridine, 2-butyl-, 1-oxide	151	C9H13NO	031396-32-4	53
3	2-Propenal, 3-(2,2,6-trimethyl-7...	194	C12H18O2	055759-91-6	50
4	2,4,7,9-Tetramethyl-5-decyn-4,7-...	226	C14H26O2	000126-86-3	50
5	2,4-Heptadienal, 2,4-dimethyl-	138	C9H14O	042452-48-2	43





Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP121420\
Data File : BP004273.D
Acq On : 14 Dec 2020 14:37
Operator : CG/JU
Sample : L5000-01
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : A54A1

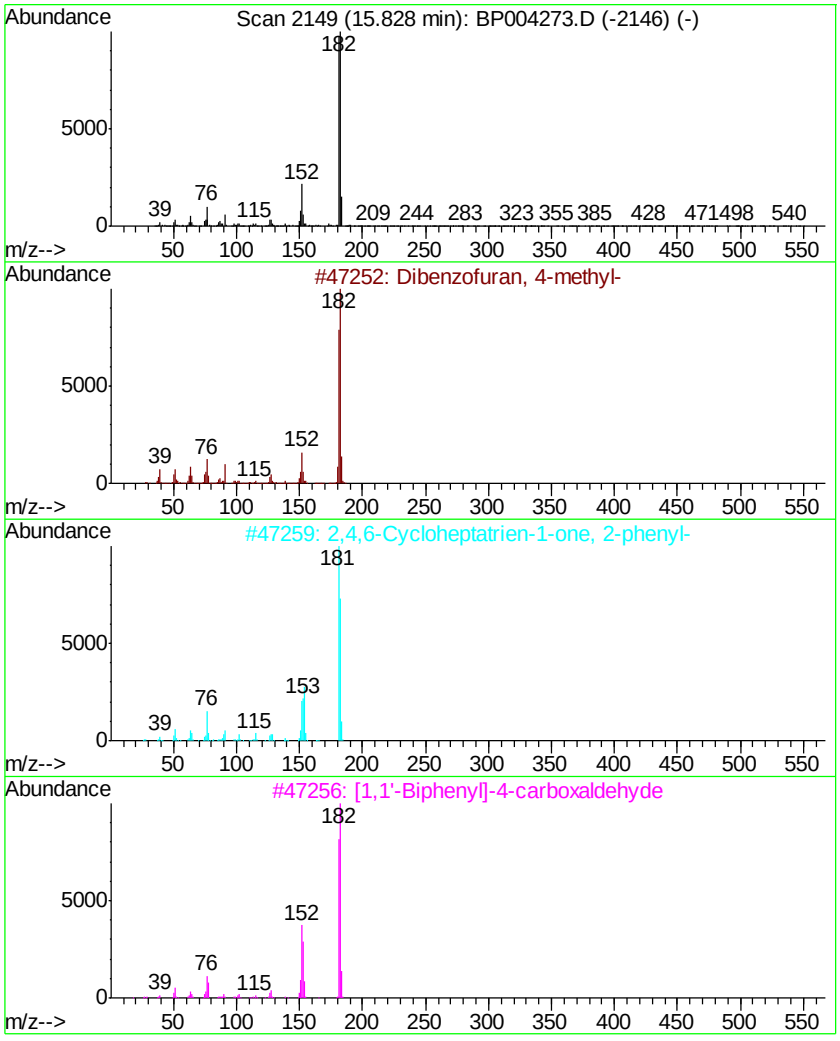
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\SOM-EPA-BP121020MA.M
Quant Title : SVOA CALIBRATION

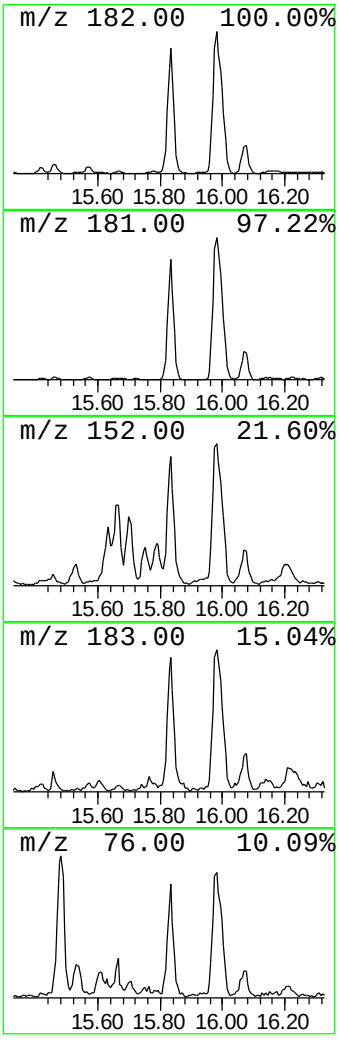
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 3 2,4,6-Cycloheptatrien-1-one... Concentration Rank 22

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.83	2.25 ng/ul	453354	Acenaphthene-d10	14.49

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dibenzofuran, 4-methyl-	182	C13H10O	007320-53-8	90
2	2,4,6-Cycloheptatrien-1-one, 2-p...	182	C13H10O	014562-09-5	87
3	[1,1'-Biphenyl]-4-carboxaldehyde	182	C13H10O	003218-36-8	80
4	[1,1'-Biphenyl]-4-carboxaldehyde	182	C13H10O	003218-36-8	78
5	9H-Fluoren-9-ol	182	C13H10O	001689-64-1	78





Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP121420\
Data File : BP004273.D
Acq On : 14 Dec 2020 14:37
Operator : CG/JU
Sample : L5000-01
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : A54A1

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\SOM-EPA-BP121020MA.M
Quant Title : SVOA CALIBRATION

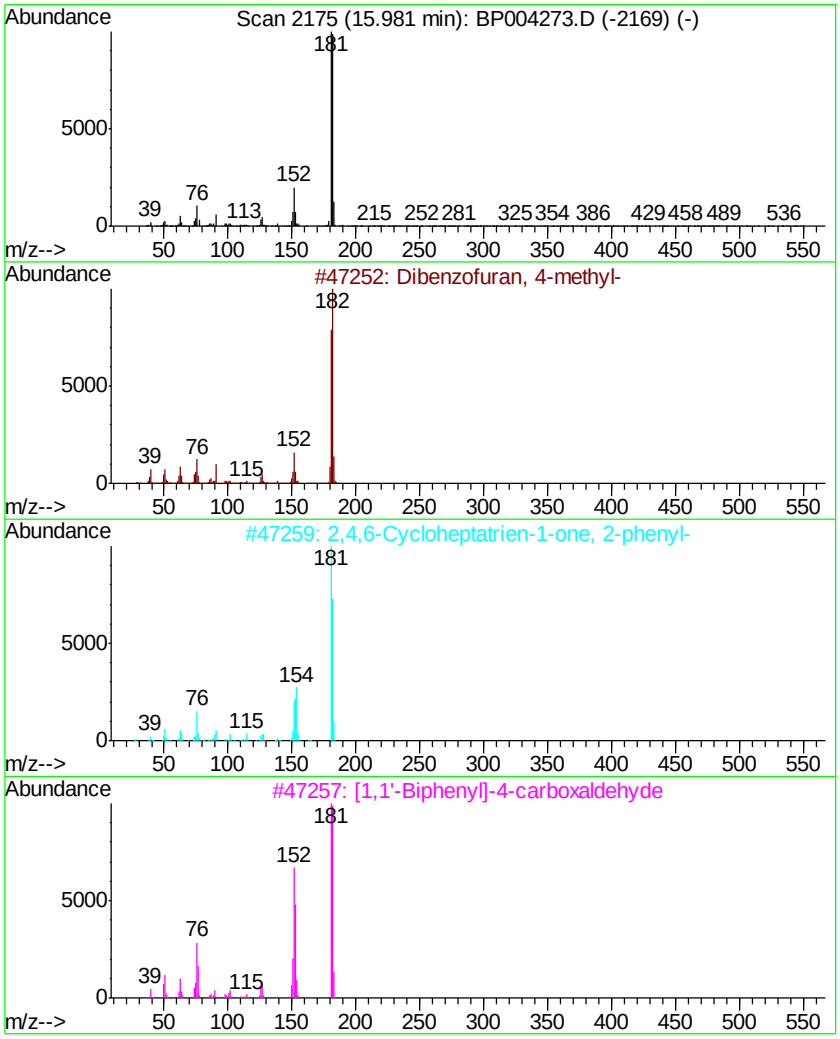
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

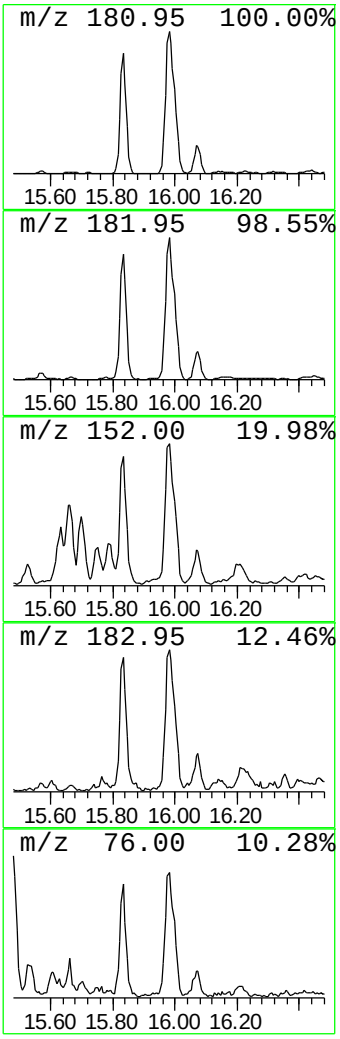
****

Peak Number 4 Dibenzofuran, 4-methyl- Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.98	2.98 ng/ul	698554	Phenanthrene-d10	17.25

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dibenzofuran, 4-methyl-	182	C13H10O	007320-53-8	91
2	2,4,6-Cycloheptatrien-1-one, 2-p...	182	C13H10O	014562-09-5	78
3	[1,1'-Biphenyl]-4-carboxaldehyde	182	C13H10O	003218-36-8	78
4	[1,1'-Biphenyl]-4-carboxaldehyde	182	C13H10O	003218-36-8	78
5	9H-Fluoren-9-ol	182	C13H10O	001689-64-1	72





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP121420\
Data File : BP004273.D
Acq On : 14 Dec 2020 14:37
Operator : CG/JU
Sample : L5000-01
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : A54A1

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\SOM-EPA-BP121020MA.M
Quant Title : SVOA CALIBRATION

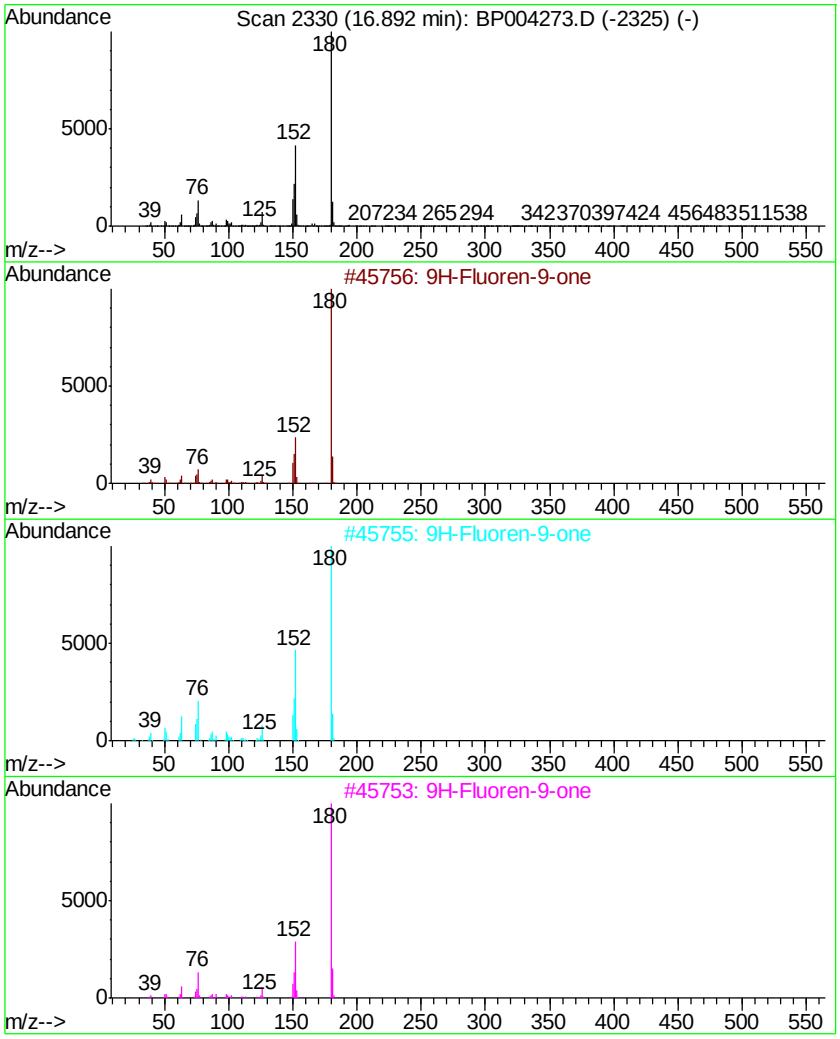
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

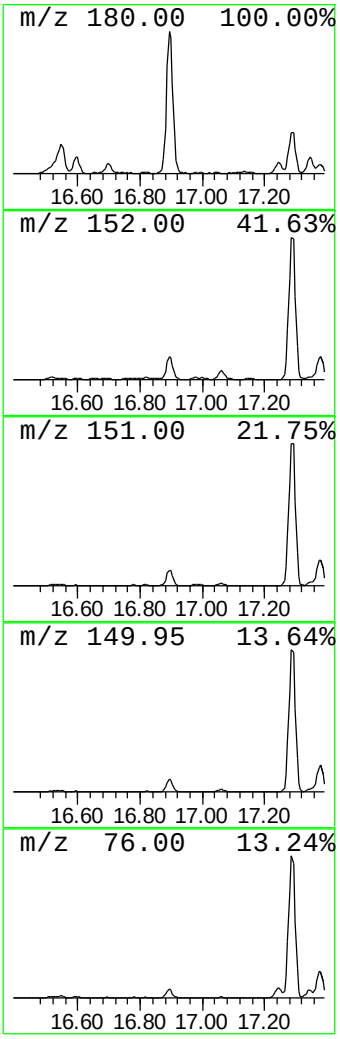
****

Peak Number 5 9H-Fluoren-9-one Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.89	3.51 ng/ul	821876	Phenanthrene-d10	17.25

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9H-Fluoren-9-one	180	C13H8O	000486-25-9	96
2	9H-Fluoren-9-one	180	C13H8O	000486-25-9	95
3	9H-Fluoren-9-one	180	C13H8O	000486-25-9	95
4	9H-Fluoren-9-one	180	C13H8O	000486-25-9	91
5	Benzo[h]cinnoline	180	C12H8N2	000230-31-9	91





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Acq On : 14 Dec 2020 14:37
Operator : CG/JU
Sample : L5000-01
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : A54A1

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\SOM-EPA-BP121020MA.M
Quant Title : SVOA CALIBRATION

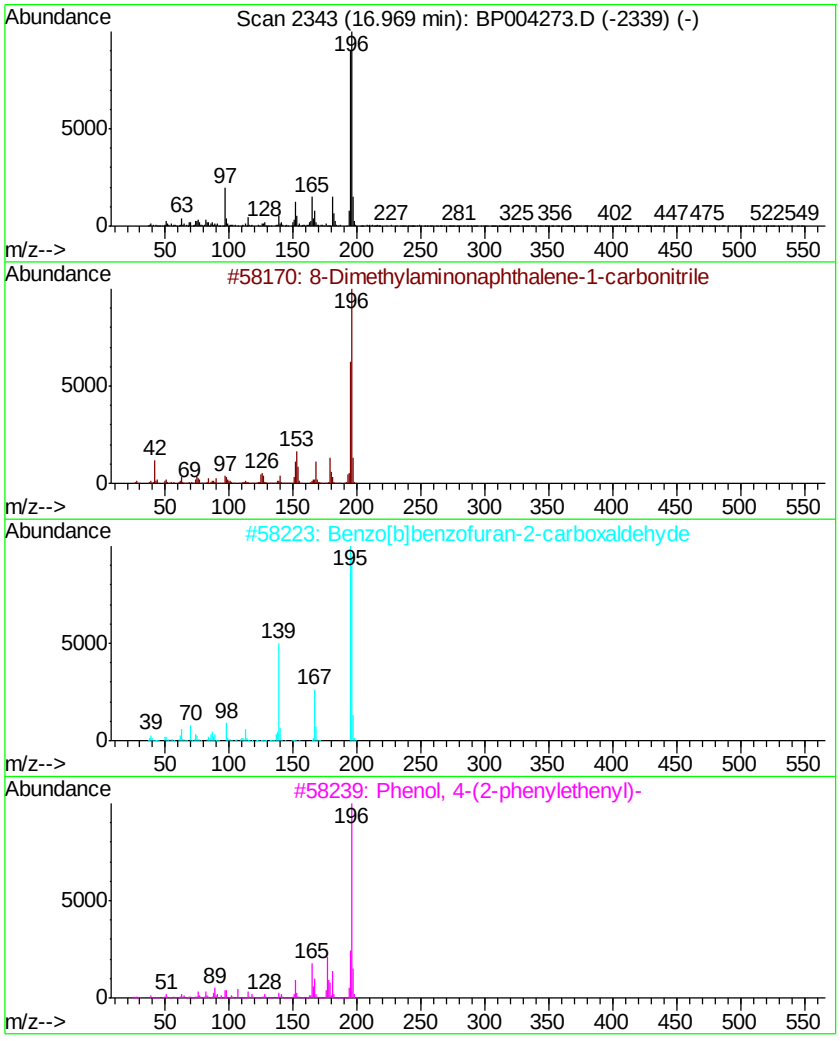
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

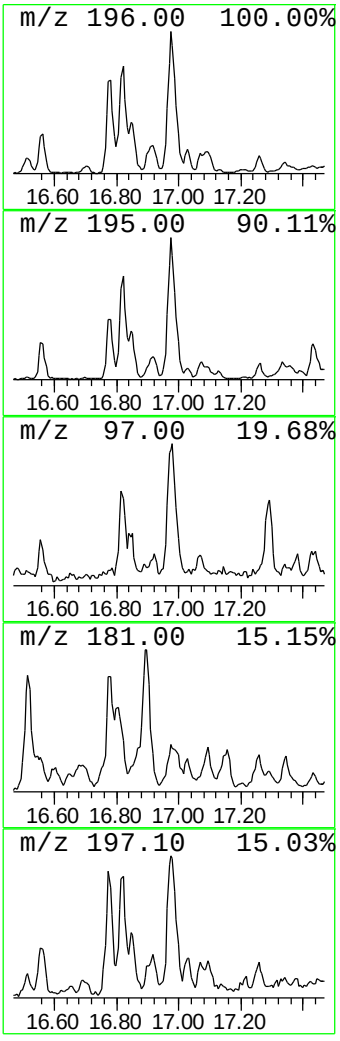
****

Peak Number 6 8-Dimethylaminonaphthalene-... Concentration Rank 26

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.97	2.03 ng/ul	474006	Phenanthrene-d10	17.25

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	8-Dimethylaminonaphthalene-1-car...	196	C13H12N2	128644-69-9	80
2	Benzo[b]benzofuran-2-carboxaldehyde	196	C13H8O2	1000351-56-0	68
3	Phenol, 4-(2-phenylethenyl)-	196	C14H12O	003839-46-1	64
4	2,4,6-Trimethoxybenzaldehyde	196	C10H12O4	000830-79-5	58
5	Phenol, 3-(2-phenylethenyl)-, (E)-	196	C14H12O	017861-18-6	52





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Operator : CG/JU
Sample : L5000-01
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : A54A1

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\SOM-EPA-BP121020MA.M
Quant Title : SVOA CALIBRATION

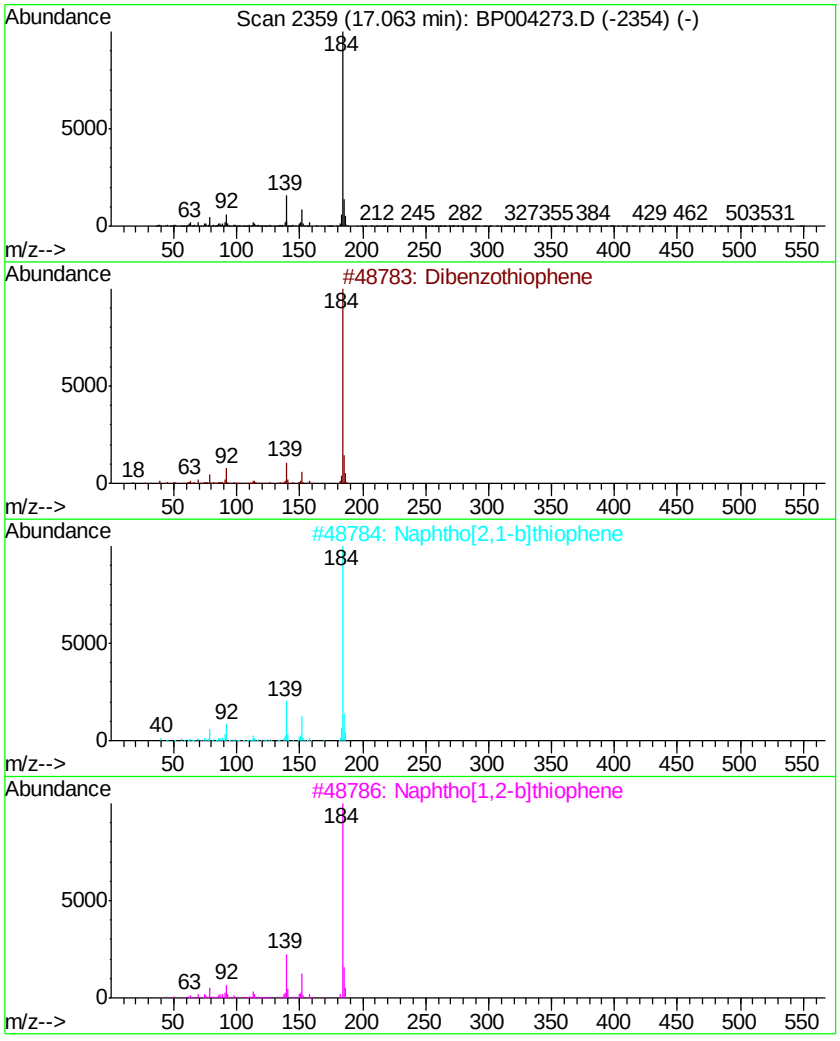
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

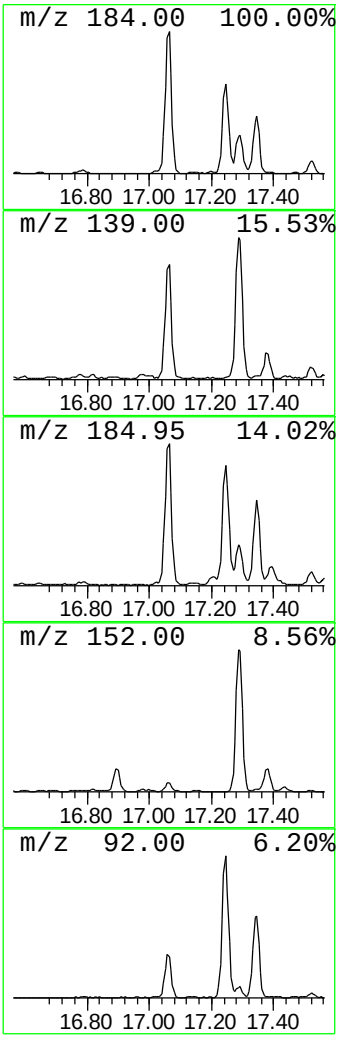
****

Peak Number 7 Dibenzothiophene Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.06	4.41 ng/ul	1032070	Phenanthrene-d10	17.25

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dibenzothiophene	184	C12H8S	000132-65-0	96
2	Naphtho[2,1-b]thiophene	184	C12H8S	000233-02-3	95
3	Naphtho[1,2-b]thiophene	184	C12H8S	000234-41-3	95
4	Naphtho[2,3-b]thiophene	184	C12H8S	000268-77-9	95
5	Dibenzothiophene	184	C12H8S	000132-65-0	94





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Sample : L5000-01
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : A54A1

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Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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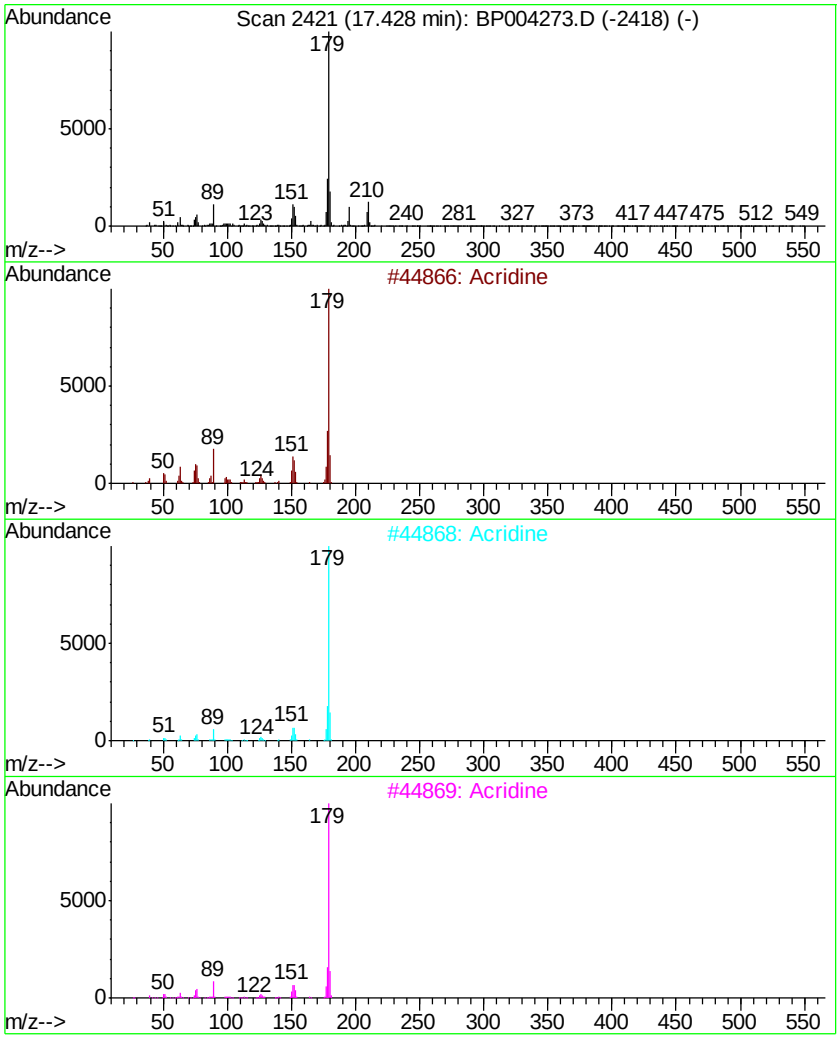
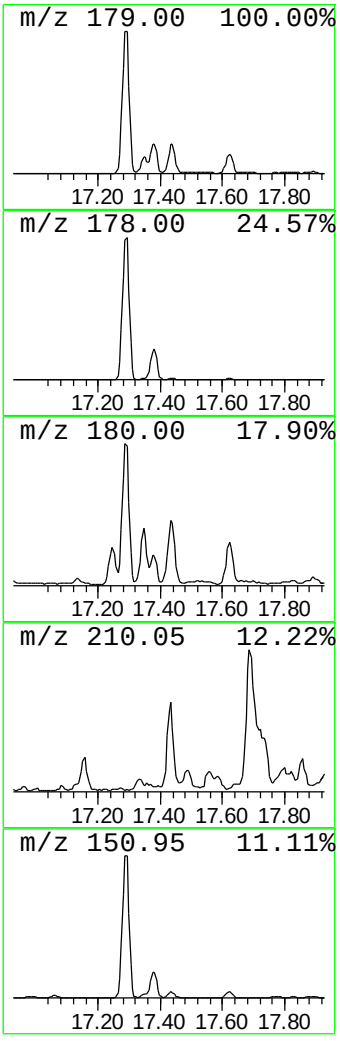
Peak Number 8 Acridine Concentration Rank 21

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.43	2.45 ng/ul	572891	Phenanthrene-d10	17.25

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Acridine	179	C13H9N	000260-94-6	95
2	Acridine	179	C13H9N	000260-94-6	95
3	Acridine	179	C13H9N	000260-94-6	94
4	Benzo[h]quinoline	179	C13H9N	000230-27-3	94
5	Phenanthridine	179	C13H9N	000229-87-8	86





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Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : A54A1

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Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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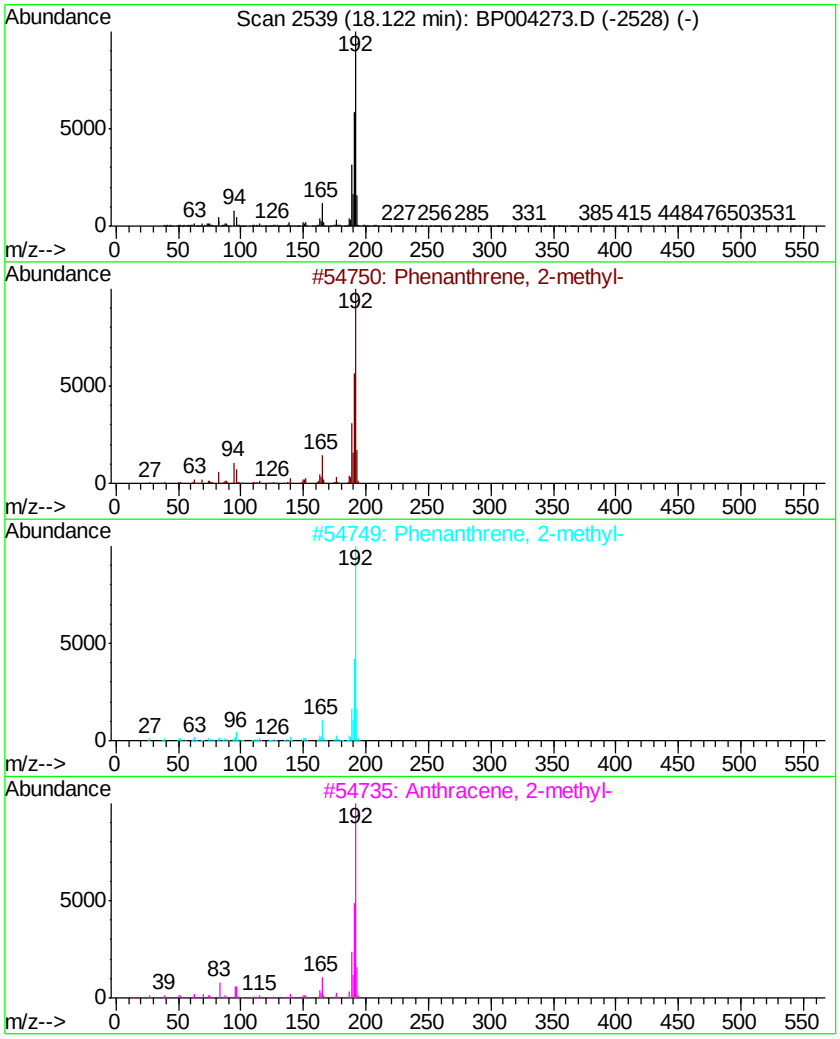
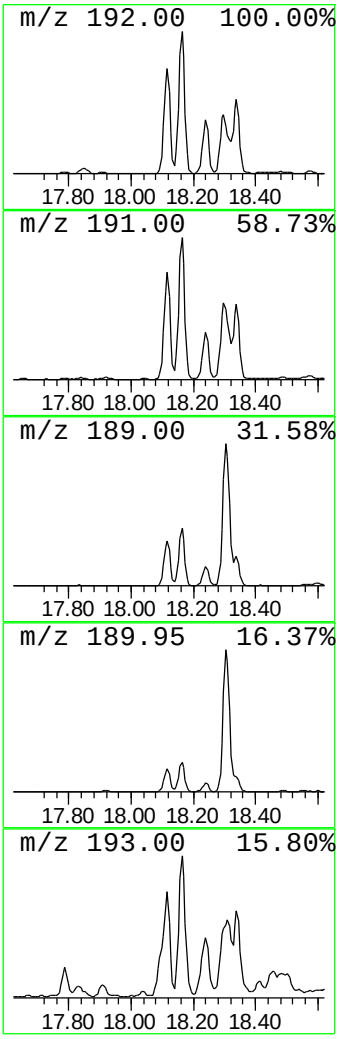
Peak Number 9 Anthracene, 2-methyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.12	8.39 ng/ul	1963750	Phenanthrene-d10	17.25

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	96
2	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	95
3	Anthracene, 2-methyl-	192	C15H12	000613-12-7	92
4	Anthracene, 2-methyl-	192	C15H12	000613-12-7	91
5	Anthracene, 1-methyl-	192	C15H12	000610-48-0	91





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Sample : L5000-01
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : A54A1

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Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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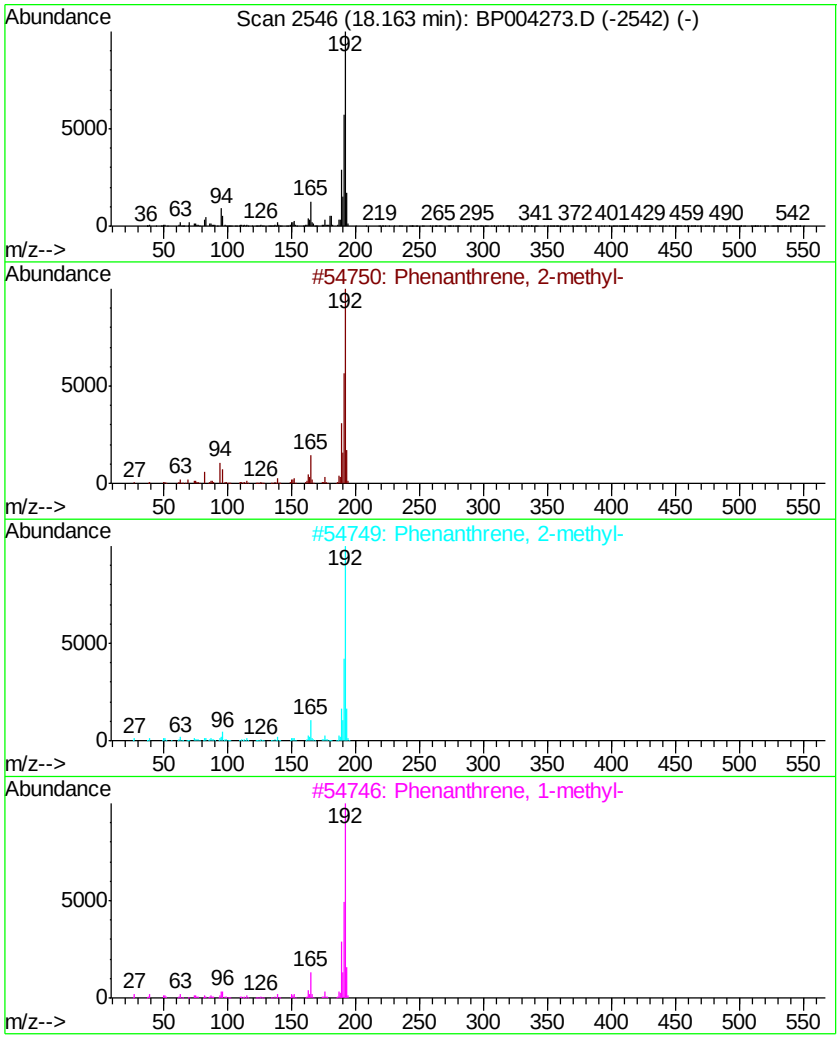
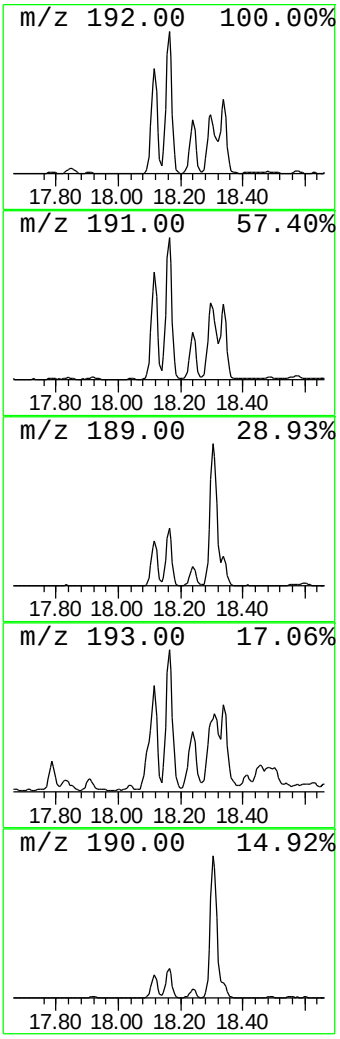
Peak Number 10 Phenanthrene, 2-methyl- Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.16	10.45 ng/ul	2446070	Phenanthrene-d10	17.25

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	98
2	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	97
3	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	97
4	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	96
5	Anthracene, 2-methyl-	192	C15H12	000613-12-7	95





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Misc :
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ClientSampleId : A54A1

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Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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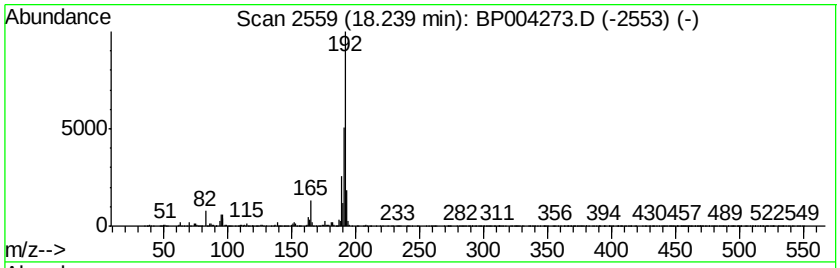
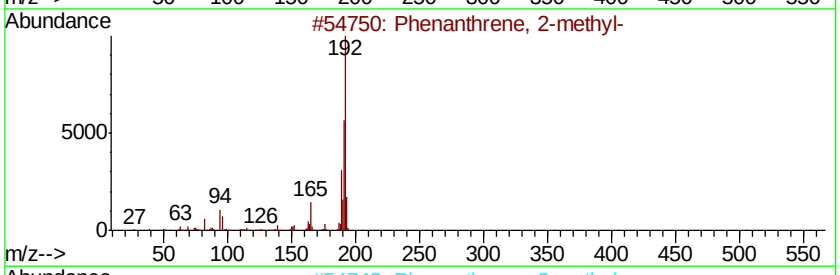
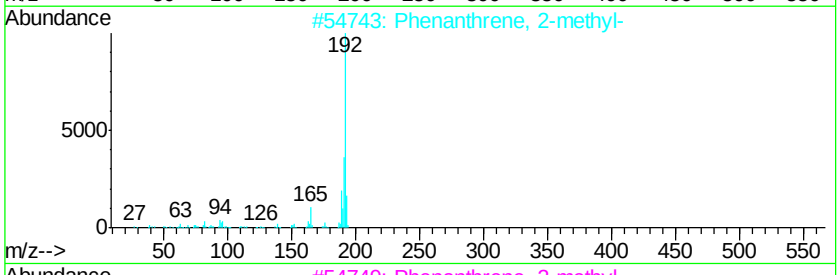
Peak Number 11 1H-Cyclopropa[l]phenanthren... Concentration Rank 13

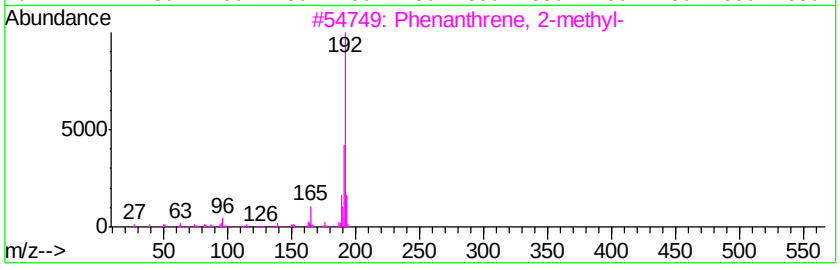
R.T.	EstConc	Area	Relative to ISTD	R.T.
18.24	3.34 ng/ul	781209	Phenanthrene-d10	17.25

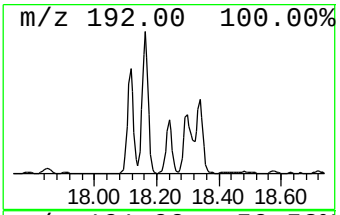
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	97
2	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	96
3	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	96
4	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	96
5	Anthracene, 1-methyl-	192	C15H12	000610-48-0	95

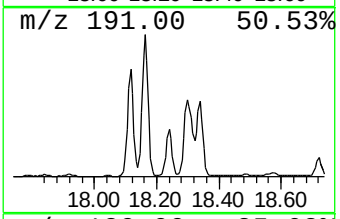


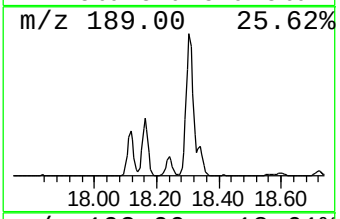


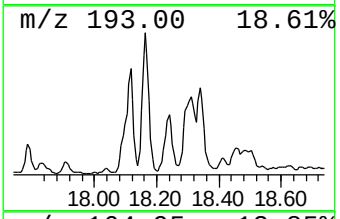


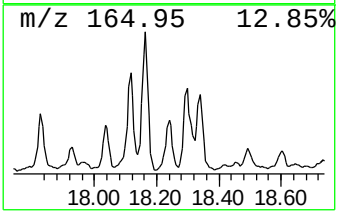












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Sample : L5000-01
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : A54A1

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Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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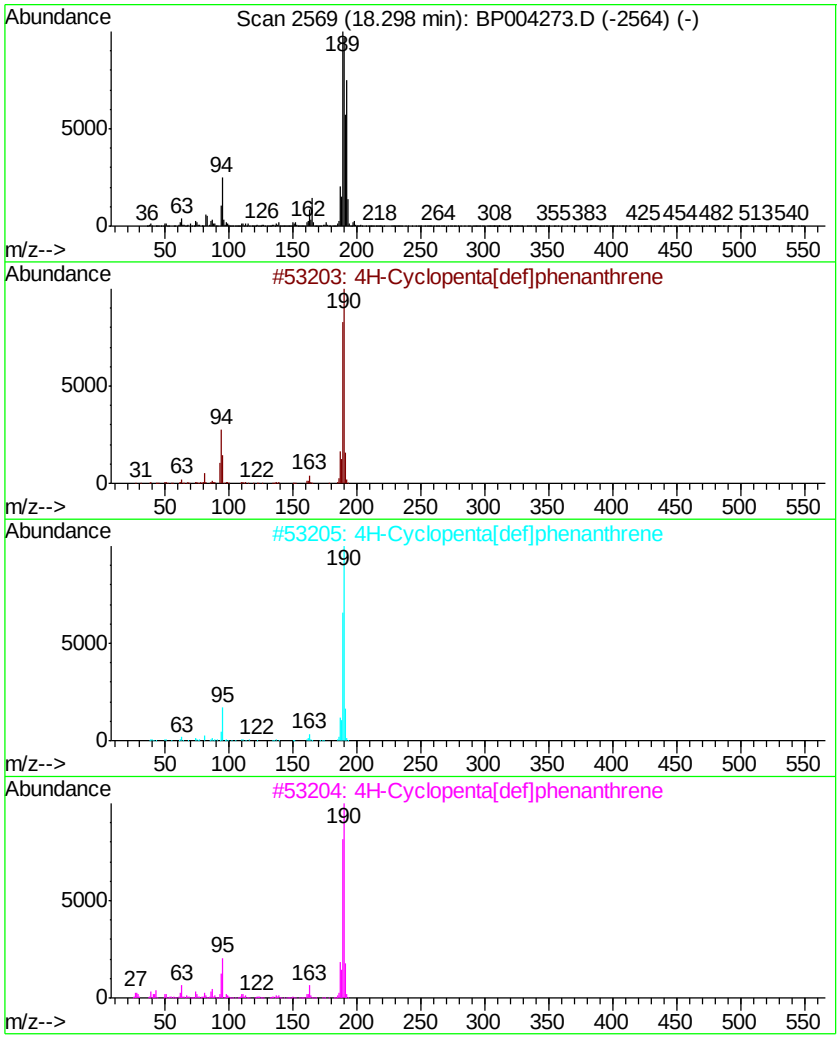
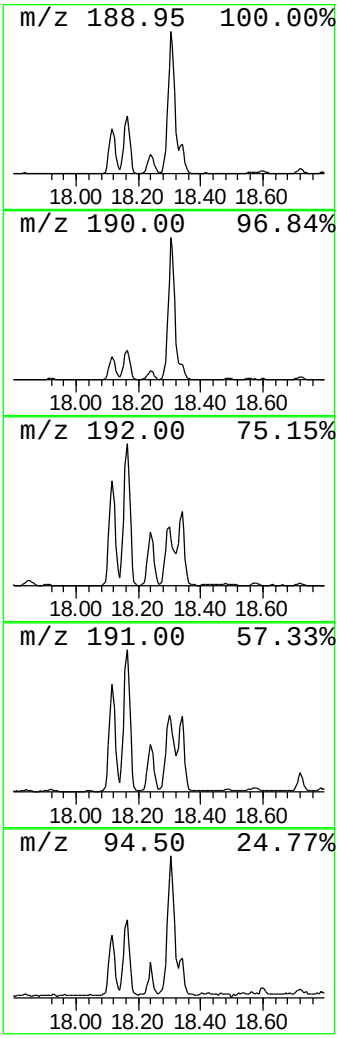
Peak Number 12 4H-Cyclopenta[def]phenanthrene Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.30	12.77 ng/ul	2988000	Phenanthrene-d10	17.25

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	93
2	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	64
3	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	60
4	Methyl diselenide	190	C2H6Se2	007101-31-7	45
5	2,3,5,6-Tetramethylterephthalald...	190	C12H14O2	007072-01-7	43





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Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : A54A1

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Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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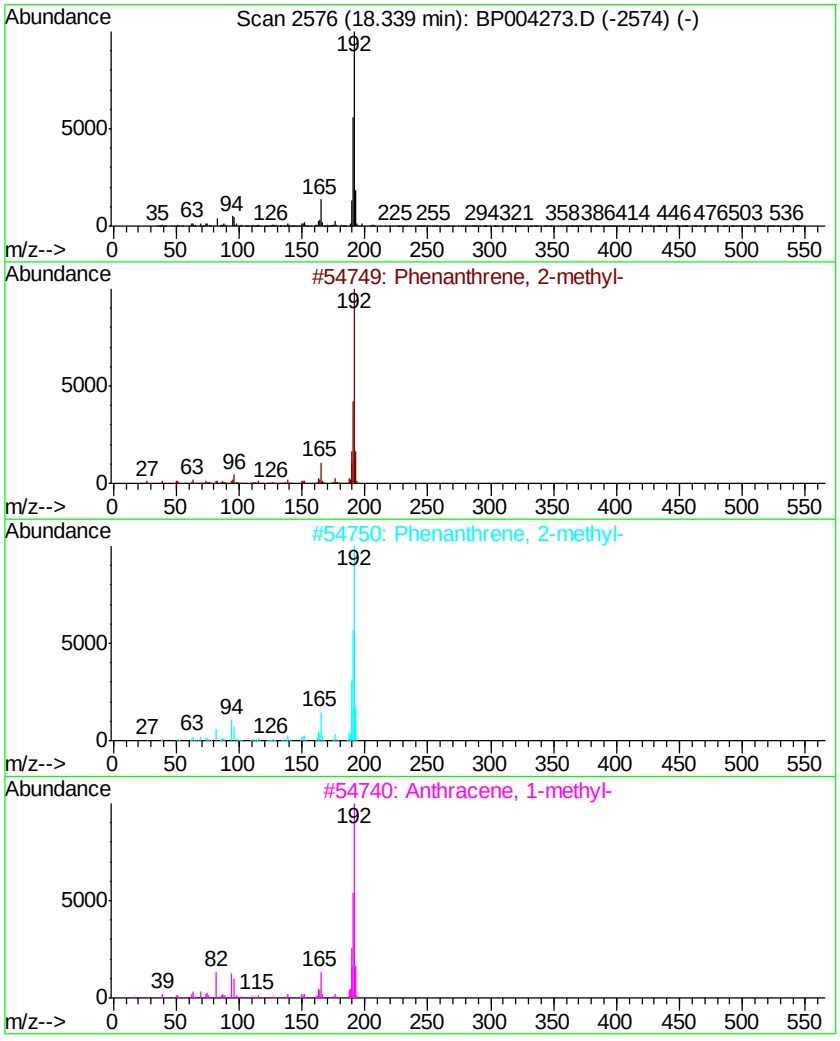
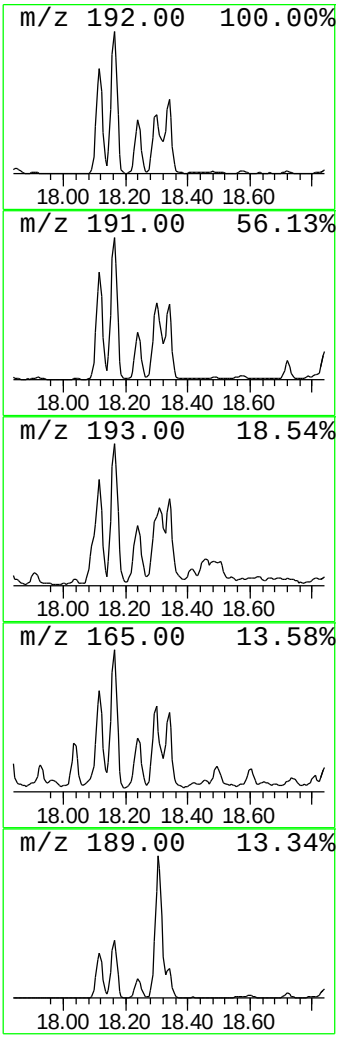
Peak Number 13 Anthracene, 9-methyl- Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.34	3.77 ng/ul	882480	Phenanthrene-d10	17.25

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	93
2	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	93
3	Anthracene, 1-methyl-	192	C15H12	000610-48-0	90
4	Anthracene, 9-methyl-	192	C15H12	000779-02-2	87
5	Phenanthrene, 3-methyl-	192	C15H12	000832-71-3	87





Library Search Compound Report

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ALS Vial : 8 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : A54A1

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Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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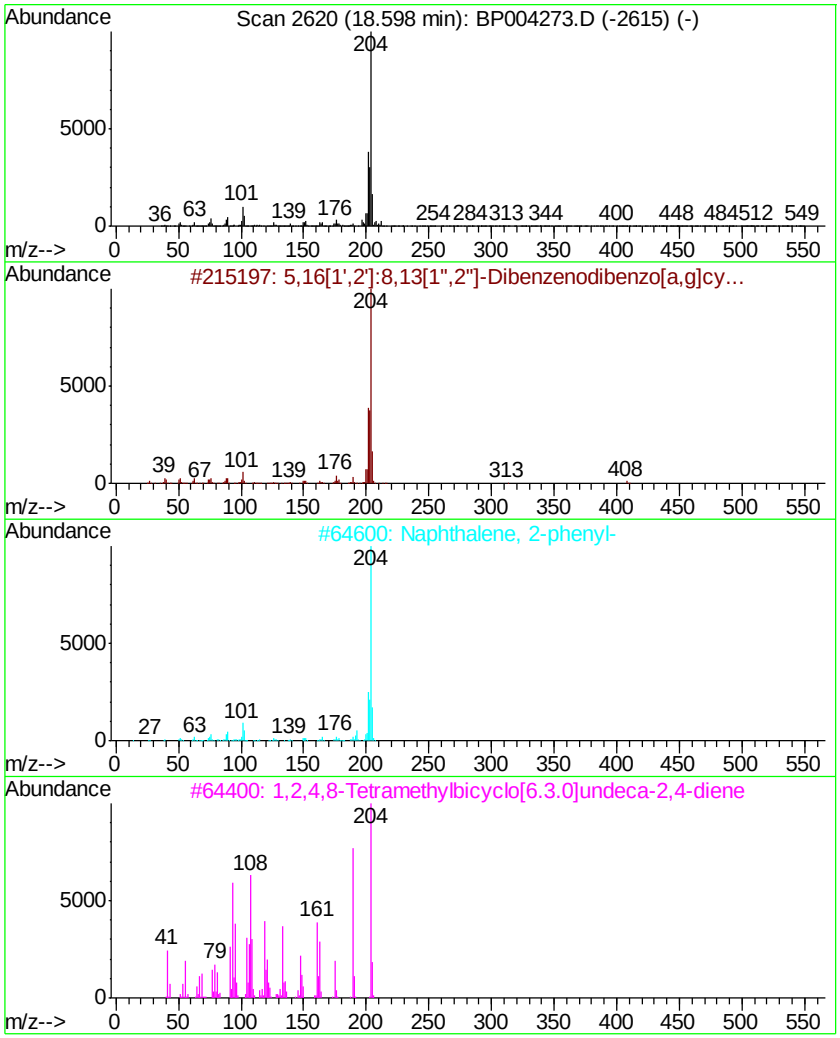
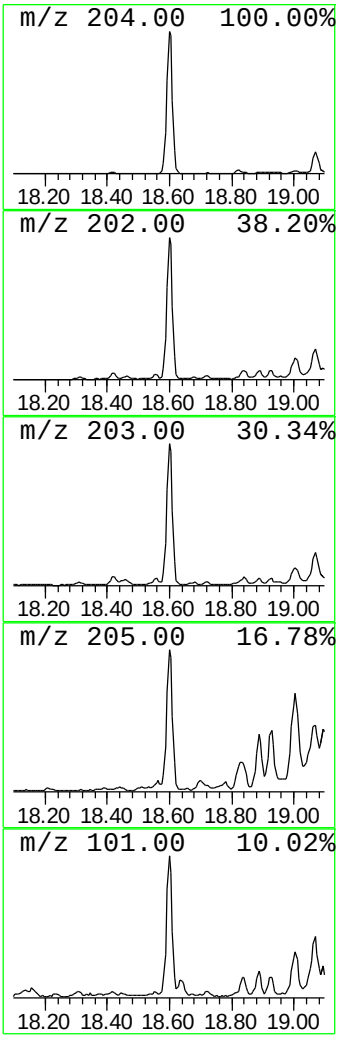
Peak Number 14 5,16[1',2']:8,13[1'',2'']-D... Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.60	5.32 ng/ul	1244220	Phenanthrene-d10	17.25

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	5,16[1',2']:8,13[1'',2'']-Dibenz...	408	C32H24	005672-97-9	87
2	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	86
3	1,2,4,8-Tetramethylbicyclo[6.3.0...	204	C15H24	137235-51-9	83
4	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	70
5	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	70





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Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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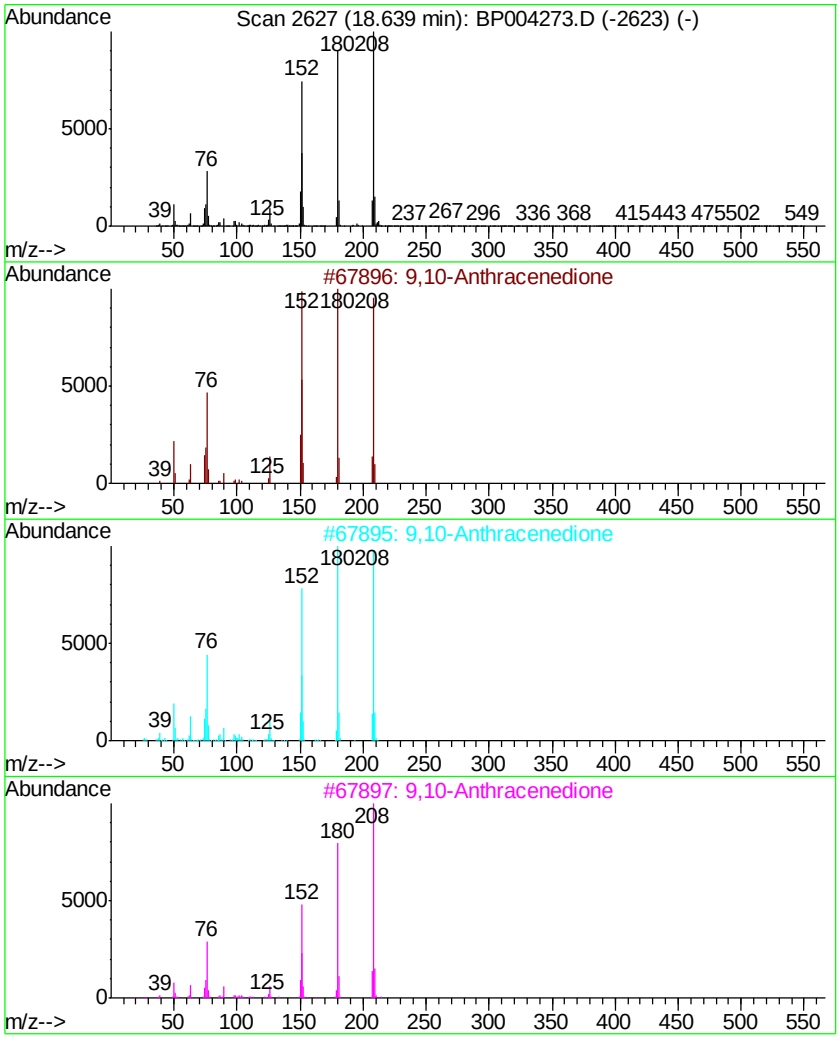
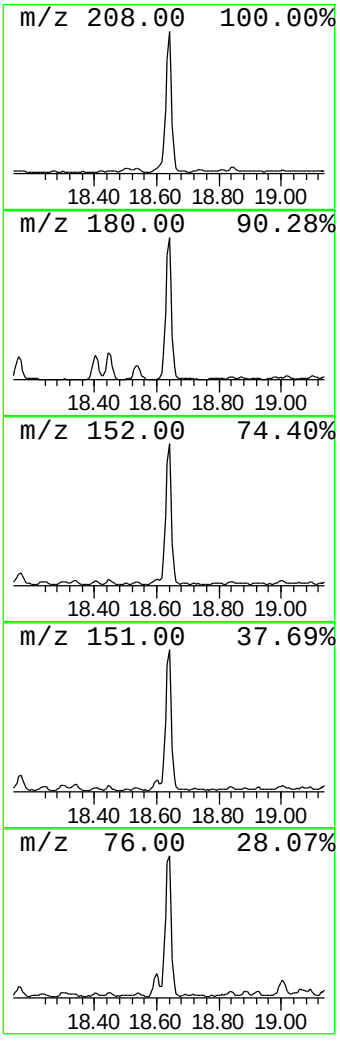
Peak Number 15 9,10-Anthracenedione Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.64	7.51 ng/ul	1758410	Phenanthrene-d10	17.25

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9,10-Anthracenedione	208	C14H8O2	000084-65-1	97
2	9,10-Anthracenedione	208	C14H8O2	000084-65-1	96
3	9,10-Anthracenedione	208	C14H8O2	000084-65-1	94
4	Benzo[c]cinnoline	180	C12H8N2	000230-17-1	86
5	Benzo[c]cinnoline	180	C12H8N2	000230-17-1	70





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Acq On : 14 Dec 2020 14:37
Operator : CG/JU
Sample : L5000-01
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : A54A1

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\SOM-EPA-BP121020MA.M
Quant Title : SVOA CALIBRATION

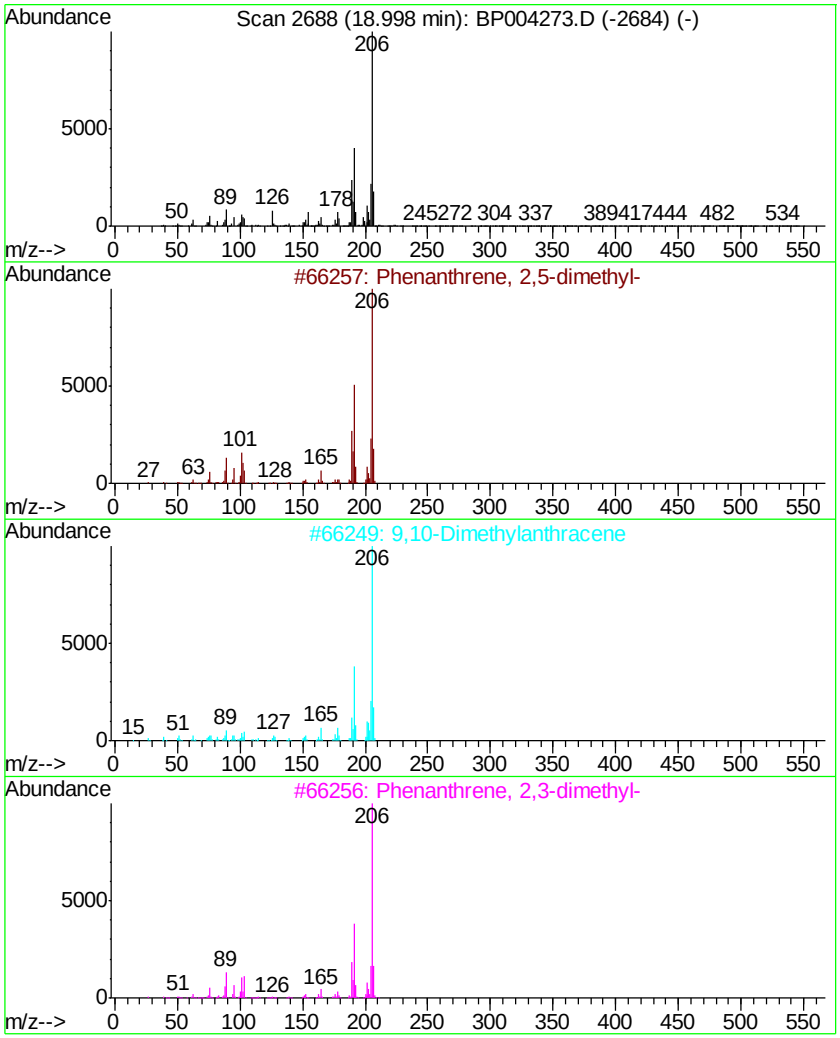
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

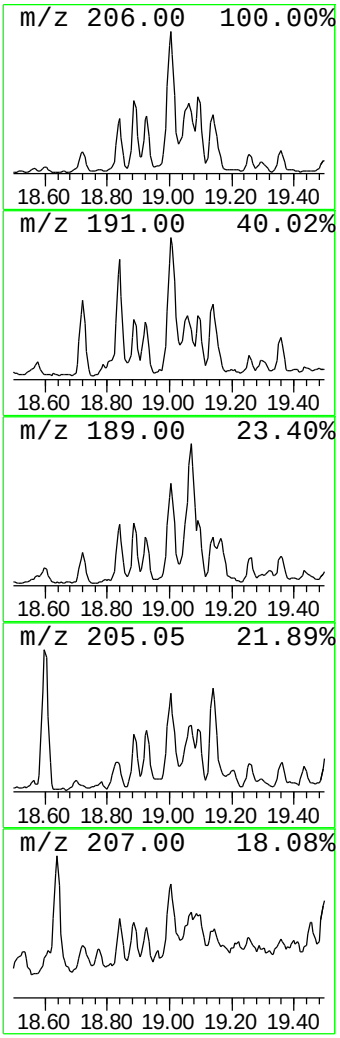
****

Peak Number 16 Phenanthrene, 2,5-dimethyl- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.00	3.82 ng/ul	894645	Phenanthrene-d10	17.25

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	93
2	9,10-Dimethylanthracene	206	C16H14	000781-43-1	93
3	Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	91
4	Phenanthrene, 1,7-dimethyl-	206	C16H14	000483-87-4	89
5	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	76





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Sample : L5000-01
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : A54A1

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Quant Title : SVOA CALIBRATION

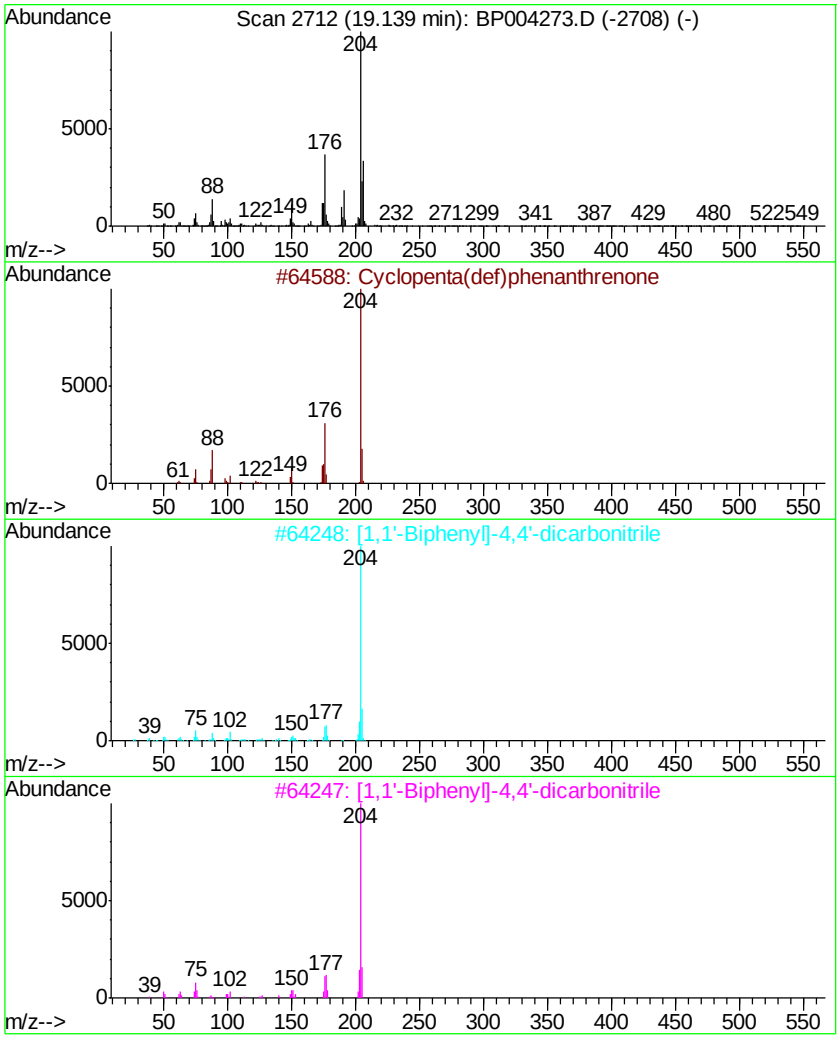
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

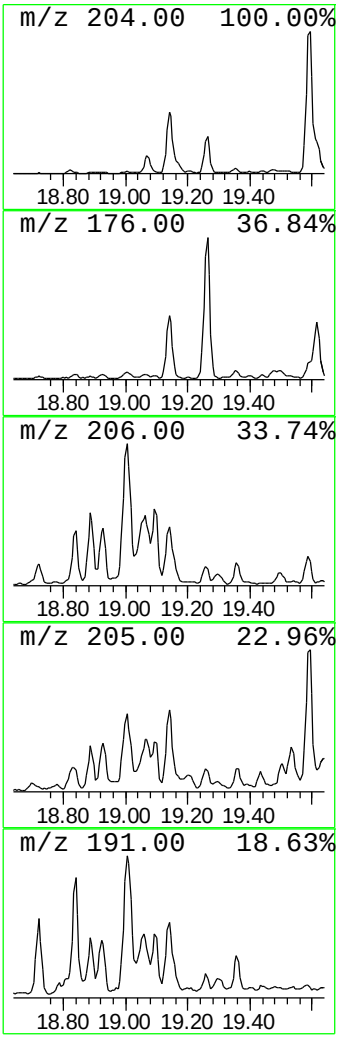
****

Peak Number 17 Cyclopenta(def)phenanthrenone Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.14	4.18 ng/ul	979233	Phenanthrene-d10	17.25

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopenta(def)phenanthrenone	204	C15H8O	005737-13-3	95
2	[1,1'-Biphenyl]-4,4'-dicarbonitrile	204	C14H8N2	001591-30-6	50
3	[1,1'-Biphenyl]-4,4'-dicarbonitrile	204	C14H8N2	001591-30-6	50
4	Tricyclo[5.1.0.0(2,4)]octane, 5-...	247	C17H29N	1000063-59-3	50
5	[1,1'-Biphenyl]-2,2'-dicarbonitrile	204	C14H8N2	004341-02-0	47





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Acq On : 14 Dec 2020 14:37
Operator : CG/JU
Sample : L5000-01
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : A54A1

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\SOM-EPA-BP121020MA.M
Quant Title : SVOA CALIBRATION

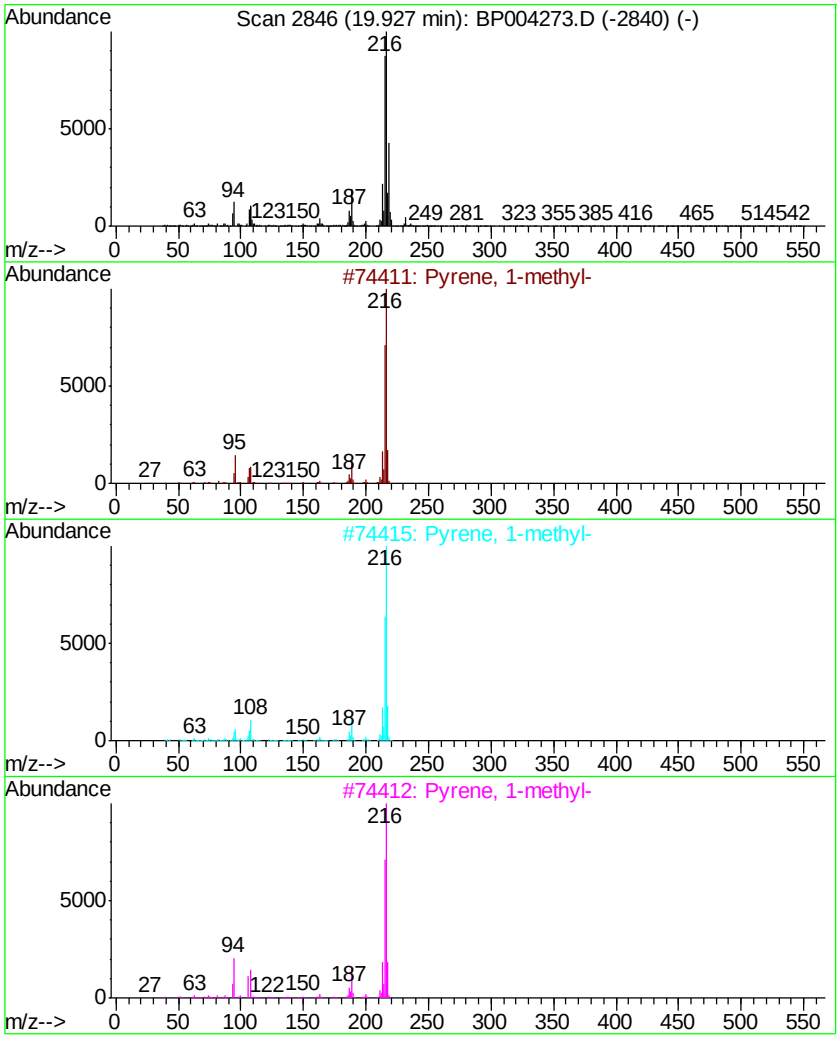
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

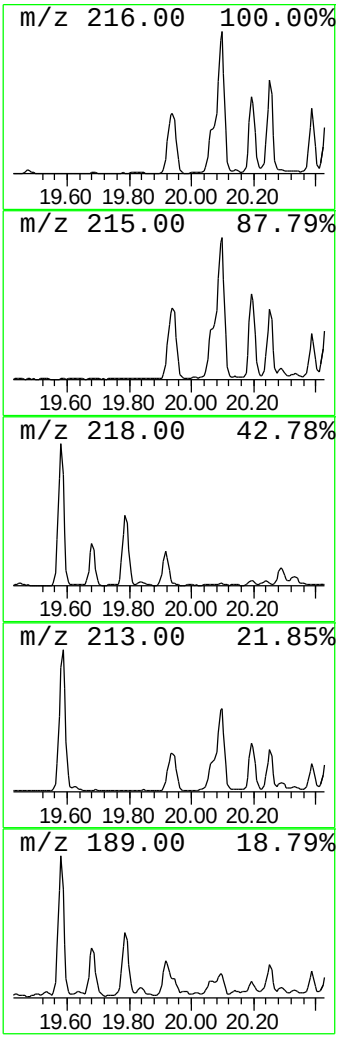
****

Peak Number 18 Pyrene, 1-methyl- Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.93	2.77 ng/ul	1989130	Chrysene-d12	21.34

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene, 1-methyl-	216	C17H12	002381-21-7	96
2	Pyrene, 1-methyl-	216	C17H12	002381-21-7	95
3	Pyrene, 1-methyl-	216	C17H12	002381-21-7	92
4	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	90
5	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	86





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Data File : BP004273.D
Acq On : 14 Dec 2020 14:37
Operator : CG/JU
Sample : L5000-01
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : A54A1

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\SOM-EPA-BP121020MA.M
Quant Title : SVOA CALIBRATION

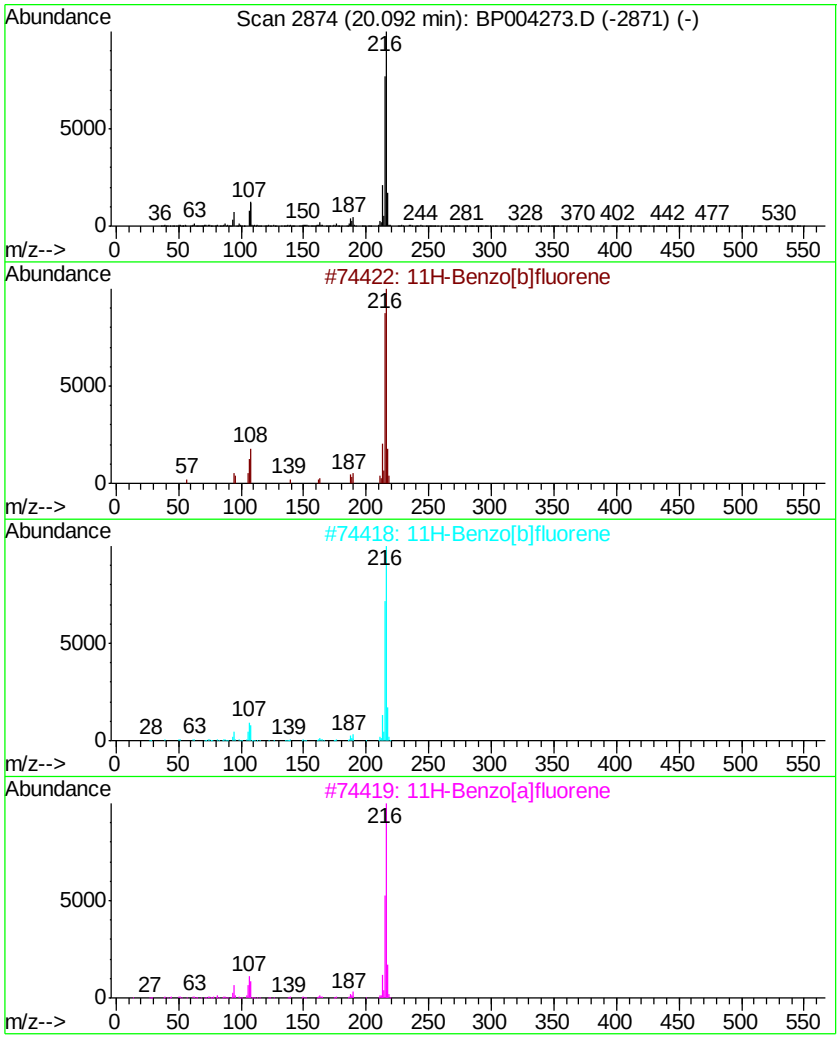
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

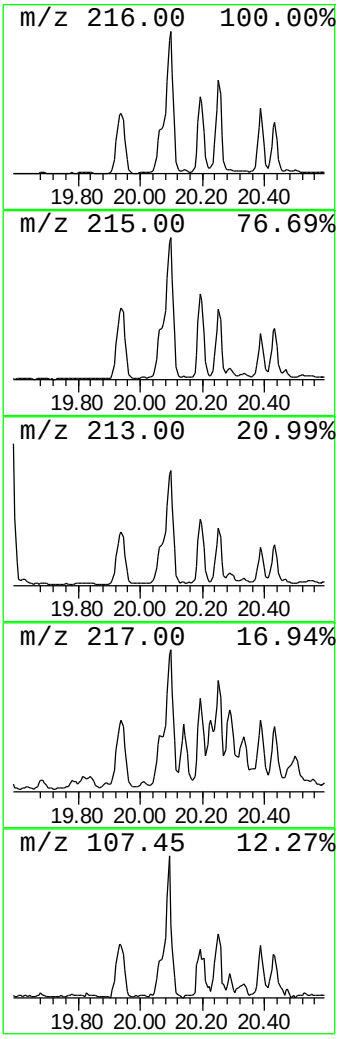
****

Peak Number 19 11H-Benzo[b]fluorene Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.09	2.78 ng/ul	2001740	Chrysene-d12	21.34

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	94
2	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	93
3	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	93
4	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	87
5	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	87





Library Search Compound Report

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Acq On : 14 Dec 2020 14:37
Operator : CG/JU
Sample : L5000-01
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : A54A1

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\SOM-EPA-BP121020MA.M
Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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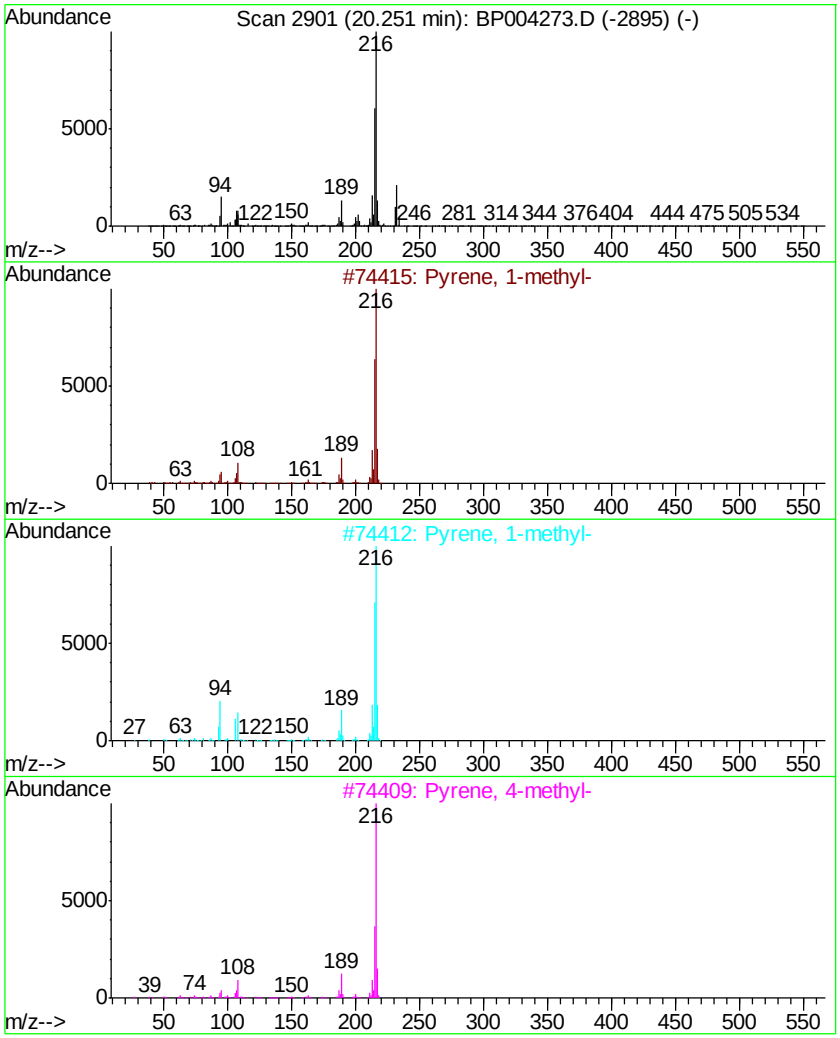
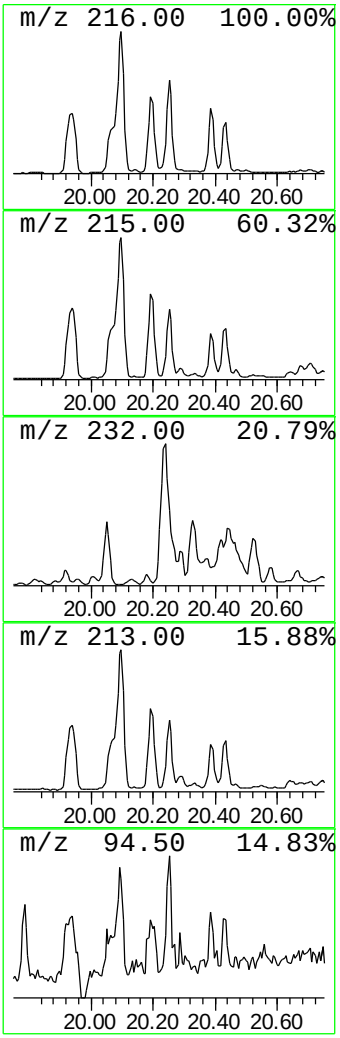
Peak Number 20 Pyrene, 4-methyl- Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.25	2.64 ng/ul	1895000	Chrysene-d12	21.34

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene, 1-methyl-	216	C17H12	002381-21-7	96
2	Pyrene, 1-methyl-	216	C17H12	002381-21-7	96
3	Pyrene, 4-methyl-	216	C17H12	003353-12-6	96
4	Pyrene, 1-methyl-	216	C17H12	002381-21-7	96
5	Pyrene, 2-methyl-	216	C17H12	003442-78-2	93





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Operator : CG/JU
Sample : L5000-01
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : A54A1

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\SOM-EPA-BP121020MA.M
Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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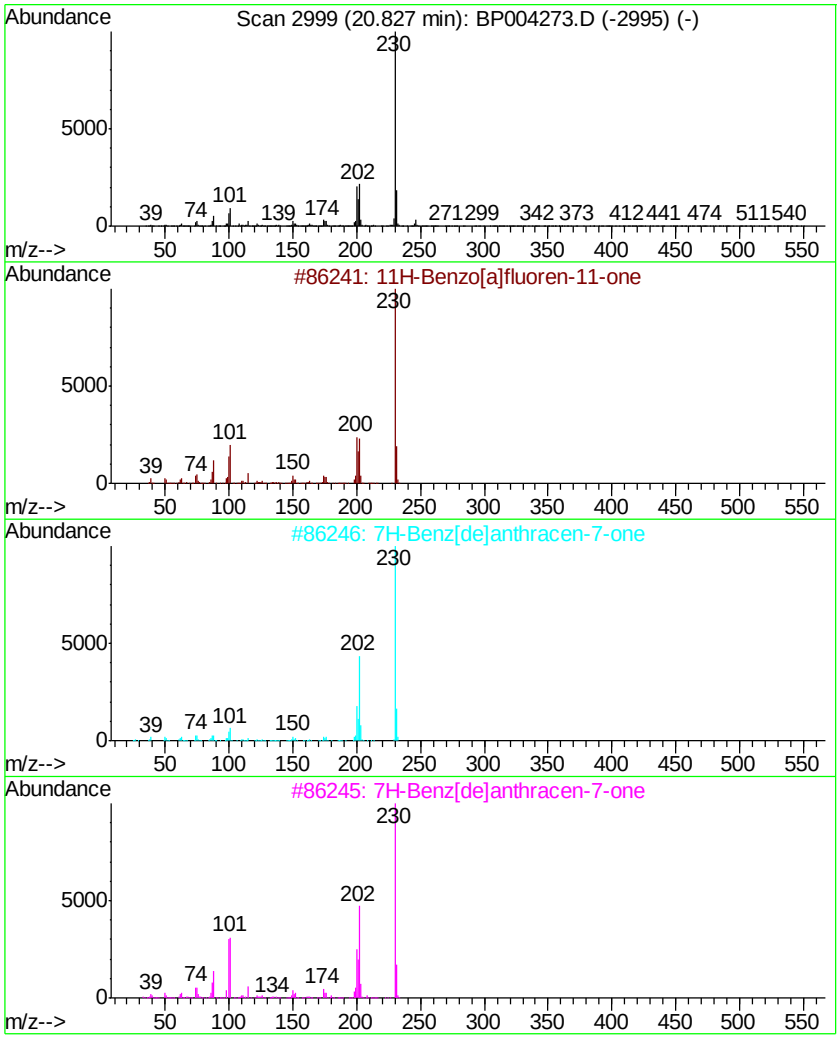
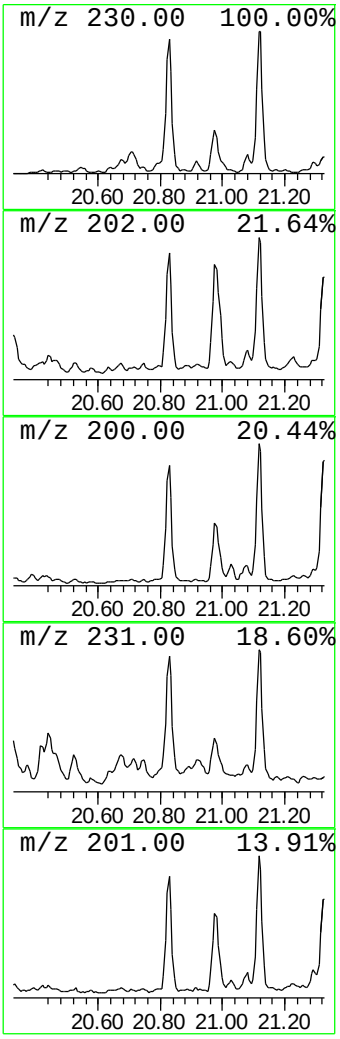
Peak Number 21 11H-Benzo[a]fluoren-11-one Concentration Rank 24

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.83	2.17 ng/ul	1562180	Chrysene-d12	21.34

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[a]fluoren-11-one	230	C17H10O	000479-79-8	95
2	7H-Benz[de]anthracen-7-one	230	C17H10O	000082-05-3	89
3	7H-Benz[de]anthracen-7-one	230	C17H10O	000082-05-3	87
4	7H-Benz[de]anthracen-7-one	230	C17H10O	000082-05-3	74
5	1-Pyrenecarboxaldehyde	230	C17H10O	003029-19-4	72





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Operator : CG/JU
Sample : L5000-01
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : A54A1

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\SOM-EPA-BP121020MA.M
Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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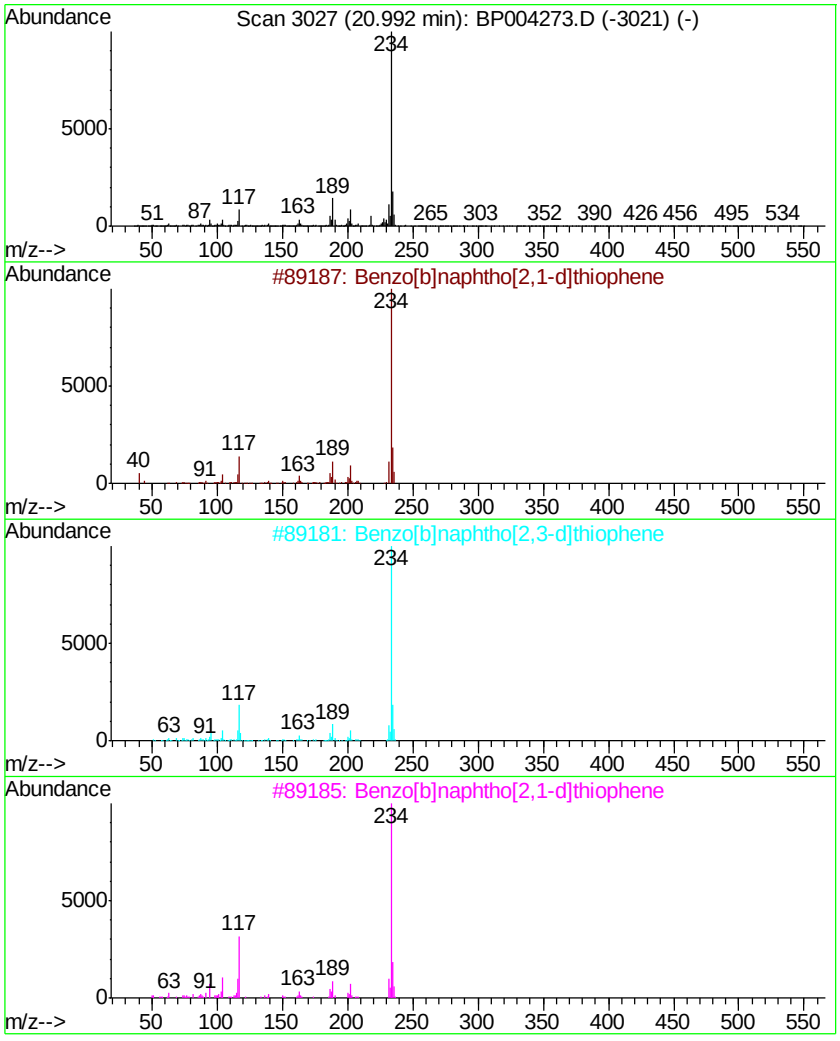
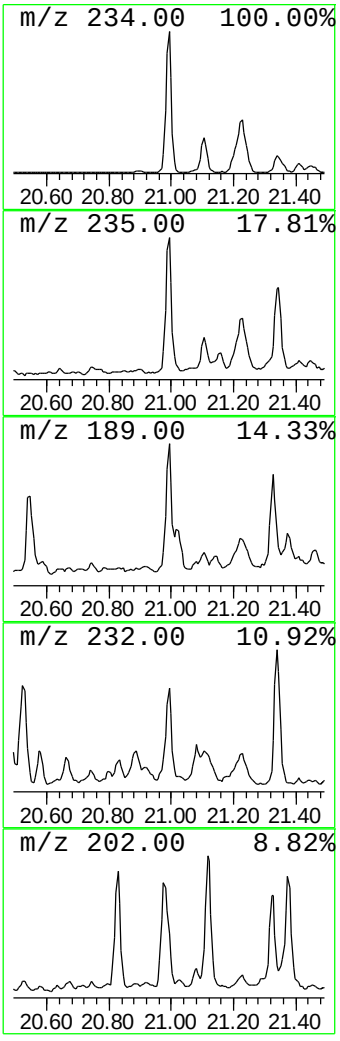
Peak Number 22 Benzo[b]naphtho[2,1-d]thiop... Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.99	2.93 ng/ul	2106340	Chrysene-d12	21.34

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[b]naphtho[2,1-d]thiophene	234	C16H10S	000239-35-0	95
2	Benzo[b]naphtho[2,3-d]thiophene	234	C16H10S	000243-46-9	94
3	Benzo[b]naphtho[2,1-d]thiophene	234	C16H10S	000239-35-0	93
4	Benzo[b]naphtho[2,3-d]thiophene	234	C16H10S	000243-46-9	93
5	Benzo[b]naphtho[2,1-d]thiophene	234	C16H10S	000239-35-0	93





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Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : A54A1

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Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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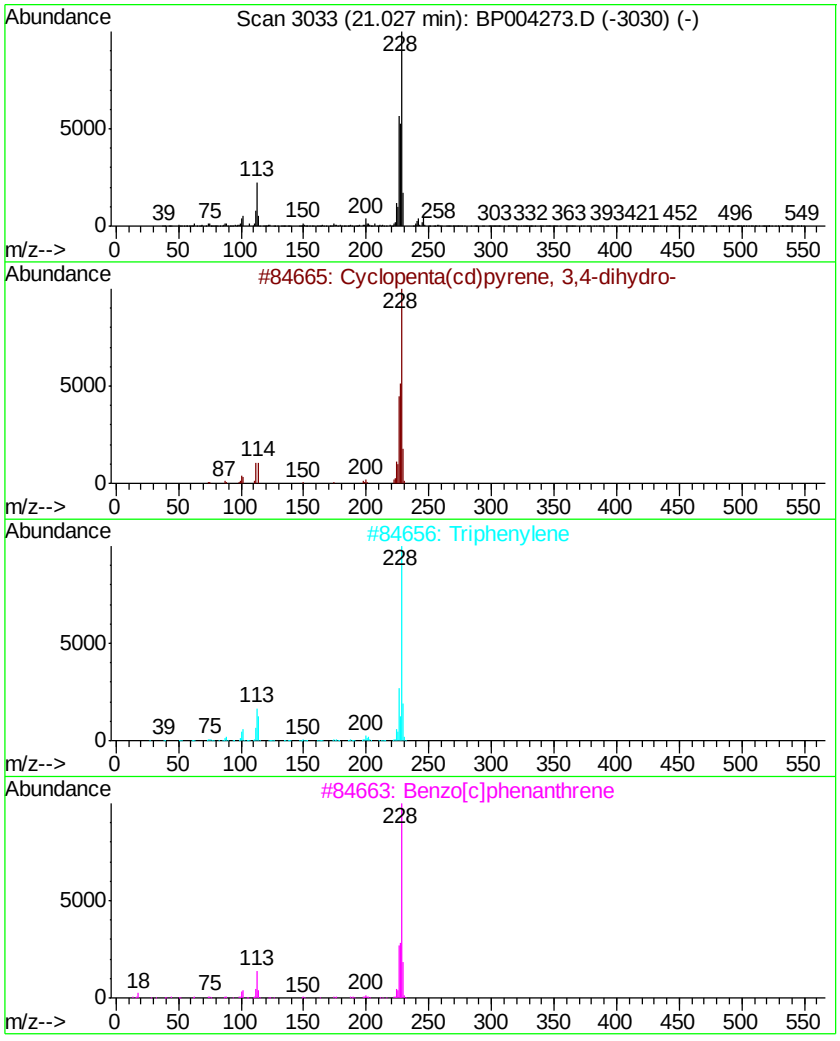
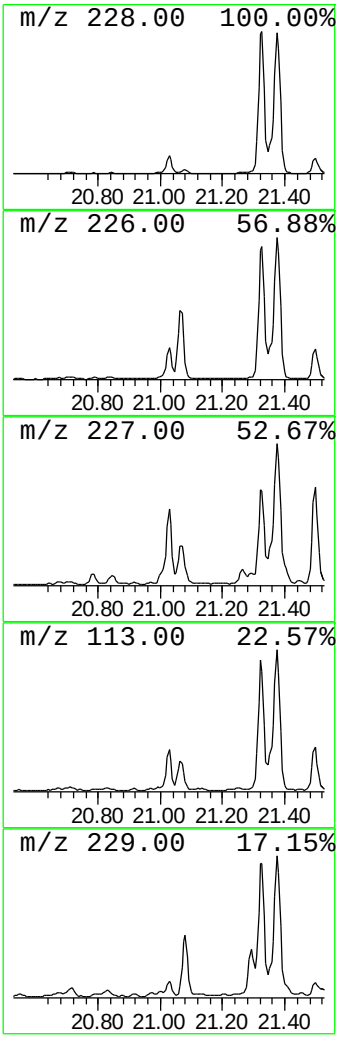
Peak Number 23 Cyclopenta(cd)pyrene, 3,4-d... Concentration Rank 25

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.03	2.08 ng/ul	1498650	Chrysene-d12	21.34

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopenta(cd)pyrene, 3,4-dihydro-	228	C18H12	025732-74-5	55
2	Triphenylene	228	C18H12	000217-59-4	50
3	Benzo[c]phenanthrene	228	C18H12	000195-19-7	49
4	Triphenylene	228	C18H12	000217-59-4	45
5	Benz[a]anthracene	228	C18H12	000056-55-3	43





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Sample : L5000-01
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : A54A1

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Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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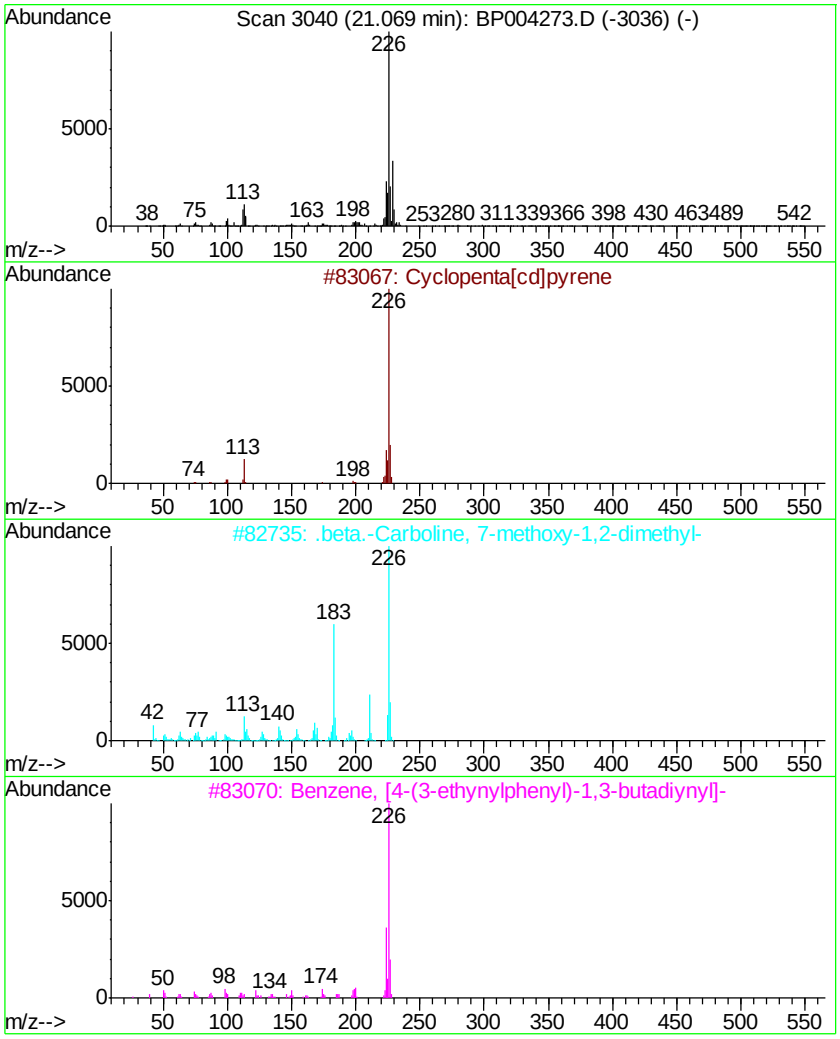
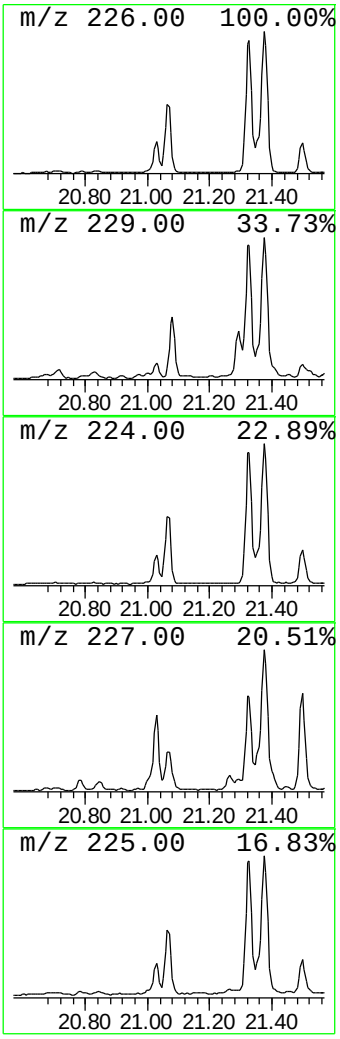
Peak Number 24 Cyclopenta[cd]pyrene Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.07	2.99 ng/ul	2151240	Chrysene-d12	21.34

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopenta[cd]pyrene	226	C18H10	027208-37-3	64
2	.beta.-Carboline, 7-methoxy-1,2-...	226	C14H14N2O	006519-18-2	50
3	Benzene, [4-(3-ethynylphenyl)-1,...	226	C18H10	1000115-87-3	47
4	1,3-Diamino-5,6-dihydro-7-methyl...	226	C13H14N4	037436-37-6	43
5	Benzo[ghi]fluoranthene	226	C18H10	000203-12-3	40





Library Search Compound Report

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Operator : CG/JU
Sample : L5000-01
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : A54A1

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\SOM-EPA-BP121020MA.M
Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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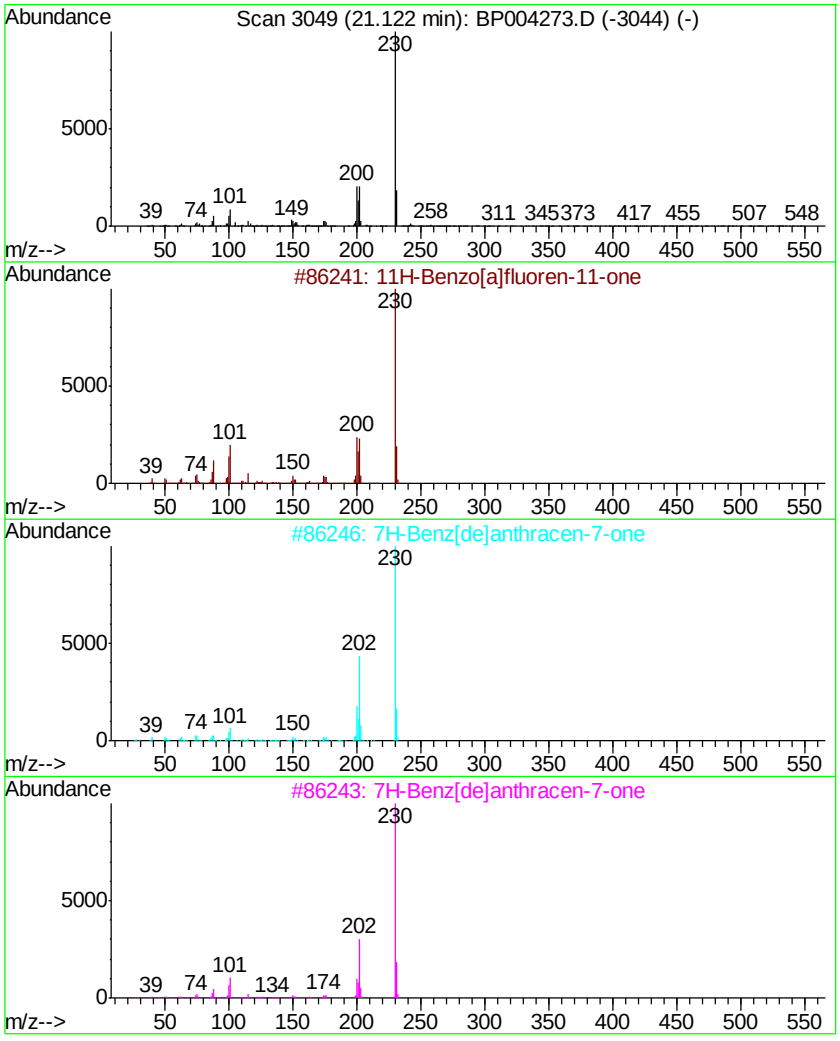
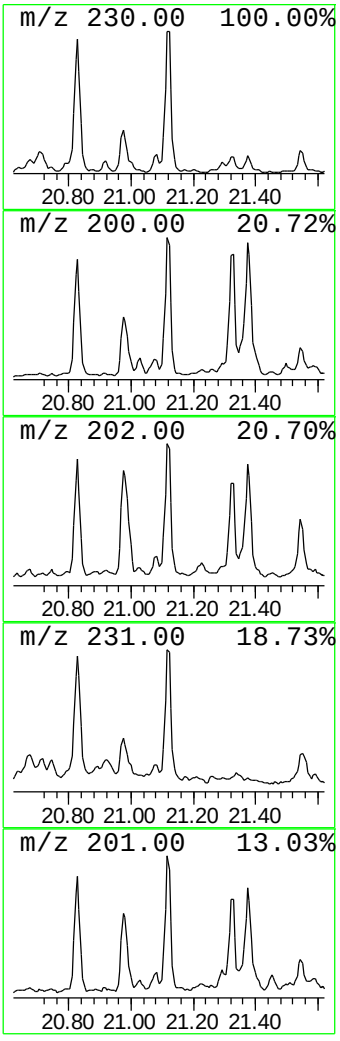
Peak Number 25 7H-Benz[de]anthracen-7-one Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.12	2.92 ng/ul	2098540	Chrysene-d12	21.34

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[a]fluoren-11-one	230	C17H10O	000479-79-8	94
2	7H-Benz[de]anthracen-7-one	230	C17H10O	000082-05-3	90
3	7H-Benz[de]anthracen-7-one	230	C17H10O	000082-05-3	68
4	6H-Benz[de]anthracen-6-one	230	C17H10O	080252-14-8	64
5	Pyrene, 1,3-dimethyl-	230	C18H14	064401-21-4	53





Library Search Compound Report

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Sample : L5000-01
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : A54A1

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\SOM-EPA-BP121020MA.M
Quant Title : SVOA CALIBRATION

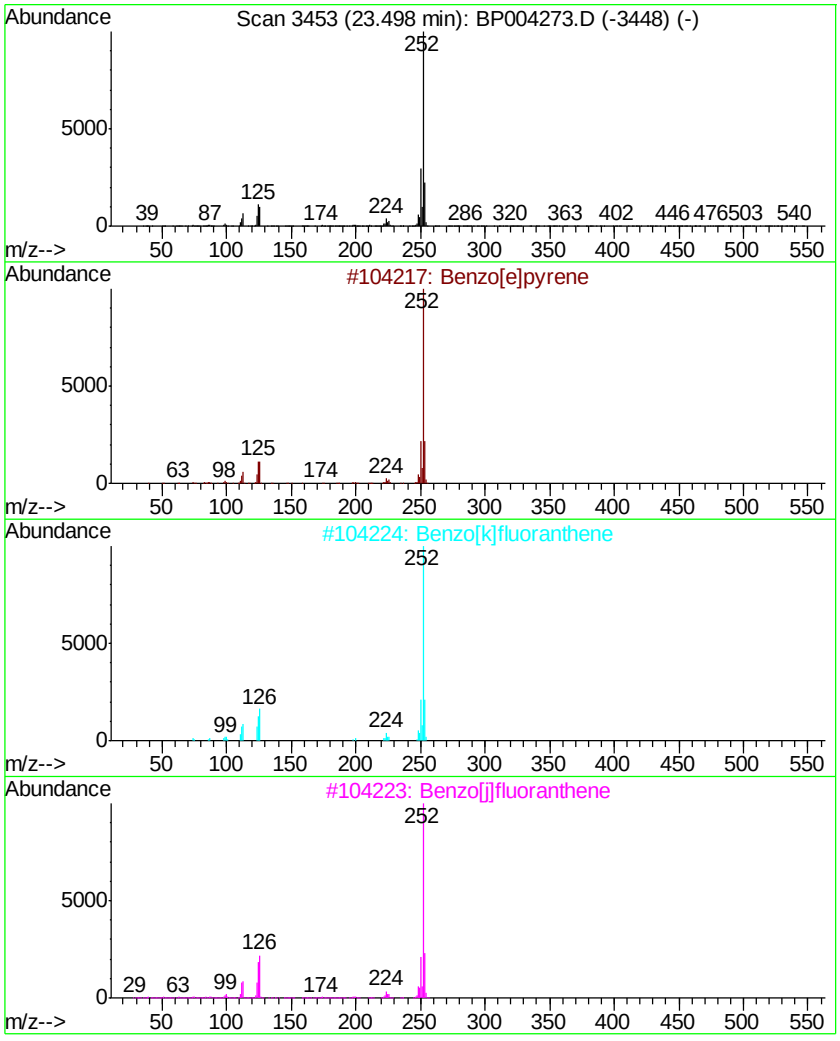
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

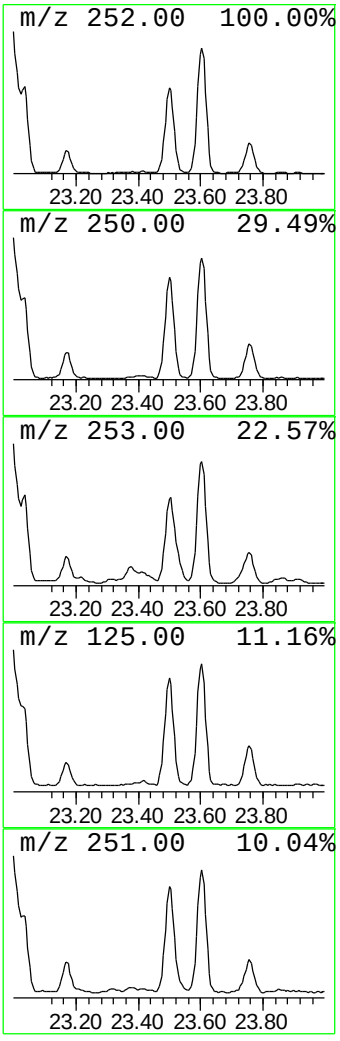
****

Peak Number 26 Benzo[e]pyrene Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
23.50	22.07 ng/ul	4959040	Perylene-d12	23.70

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[e]pyrene	252	C20H12	000192-97-2	99
2	Benzo[k]fluoranthene	252	C20H12	000207-08-9	96
3	Benzo[j]fluoranthene	252	C20H12	000205-82-3	95
4	Perylene	252	C20H12	000198-55-0	94
5	Benzo[a]pyrene	252	C20H12	000050-32-8	93





Tentatively Identified Compound (LSC) summary

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Data File : BP004273.D
Acq On : 14 Dec 2020 14:37
Operator : CG/JU
Sample : L5000-01
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : A54A1

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\SOM-EPA-BP121020MA.M
Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

					Internal Standard			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc
Naphthalene, 1-me...	12.52	2.2	ng/ul	318454	2	10.63	2884070	20.0
2,4,7,9-Tetrameth...	13.38	5.1	ng/ul	1023990	3	14.49	4038490	20.0
2,4,6-Cycloheptat...	15.83	2.3	ng/ul	453354	3	14.49	4038490	20.0
Dibenzofuran, 4-m...	15.98	3.0	ng/ul	698554	4	17.25	4680690	20.0
9H-Fluoren-9-one	16.89	3.5	ng/ul	821876	4	17.25	4680690	20.0
8-Dimethylaminona...	16.97	2.0	ng/ul	474006	4	17.25	4680690	20.0
Dibenzothiophene	17.06	4.4	ng/ul	1032070	4	17.25	4680690	20.0
Acridine	17.43	2.5	ng/ul	572891	4	17.25	4680690	20.0
Anthracene, 2-met...	18.12	8.4	ng/ul	1963750	4	17.25	4680690	20.0
Phenanthrene, 2-m...	18.16	10.4	ng/ul	2446070	4	17.25	4680690	20.0
1H-Cyclopropa[l]p...	18.24	3.3	ng/ul	781209	4	17.25	4680690	20.0
4H-Cyclopenta[def...	18.30	12.8	ng/ul	2988000	4	17.25	4680690	20.0
Anthracene, 9-met...	18.34	3.8	ng/ul	882480	4	17.25	4680690	20.0
5,16[1',2']:8,13[...	18.60	5.3	ng/ul	1244220	4	17.25	4680690	20.0
9,10-Anthracenedione	18.64	7.5	ng/ul	1758410	4	17.25	4680690	20.0
Phenanthrene, 2,5...	19.00	3.8	ng/ul	894645	4	17.25	4680690	20.0
Cyclopenta(def)ph...	19.14	4.2	ng/ul	979233	4	17.25	4680690	20.0
Pyrene, 1-methyl-	19.93	2.8	ng/ul	1989130	5	21.34	14378600	20.0
11H-Benzo[b]fluorene	20.09	2.8	ng/ul	2001740	5	21.34	14378600	20.0
Pyrene, 4-methyl-	20.25	2.6	ng/ul	1895000	5	21.34	14378600	20.0
11H-Benzo[a]fluor...	20.83	2.2	ng/ul	1562180	5	21.34	14378600	20.0
Benzo[b]naphtho[2...	20.99	2.9	ng/ul	2106340	5	21.34	14378600	20.0
Cyclopenta(cd)pyr...	21.03	2.1	ng/ul	1498650	5	21.34	14378600	20.0
Cyclopenta[cd]pyrene	21.07	3.0	ng/ul	2151240	5	21.34	14378600	20.0
7H-Benz[de]anthra...	21.12	2.9	ng/ul	2098540	5	21.34	14378600	20.0
Benzo[e]pyrene	23.50	22.1	ng/ul	4959040	6	23.70	4492940	20.0