LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP022020\
Data File : BP001818.D
Acq On : 21 Feb 2020 00:03
Operator : CG/JU
Sample : L1418-20
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : C5AW4

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-BP021820MA.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	2.934	4	8	13	rBV	1832722	2337014	10.12%	0.771%
2	6.840	662	672	681	rBV	785243	1310489	5.68%	0.432%
3	6.999	692	699	710	rBV	633265	979779	4.24%	0.323%
4	7.199	726	733	741	rVB	856394	1390384	6.02%	0.459%
5	7.328	747	755	763	rBV	163116	308369	1.34%	0.102%
6	7.658	804	811	821	rBV	1161903	1842973	7.98%	0.608%
7	8.193	892	902	915	rBV	142535	285053	1.23%	0.094%
8	8.364	924	931	940	rBV	986305	1521598	6.59%	0.502%
9	8.799	993	1005	1012	rBV	747984	1249599	5.41%	0.412%
10	9.522	1122	1128	1136	rVB	594617	954931	4.14%	0.315%
11	10.058	1210	1219	1229	rVB	1090327	1830973	7.93%	0.604%
12	10.434	1275	1283	1288	rBV	1638325	2739715	11.87%	0.903%
13	10.481	1288	1291	1299	rVV	283939	456708	1.98%	0.151%
14	10.569	1299	1306	1327	rVV	575490	1128714	4.89%	0.372%
15	13.710	1835	1840	1843	rVV	1877115	2551755	11.05%	0.841%
16	13.751	1843	1847	1853	rVB2	790338	1238047	5.36%	0.408%
17	13.981	1880	1886	1889	rBV	2208894	3574727	15.49%	1.179%
18	14.010	1889	1891	1903	rVB	2120575	2895722	12.55%	0.955%
19	14.293	1932	1939	1945	rBV	2487046	3707672	16.06%	1.223%
20	14.357	1945	1950	1958	rVB	502302	725714	3.14%	0.239%
21	14.493	1967	1973	1985	rBV	683510	1117130	4.84%	0.368%
22	14.698	2002	2008	2017	rVB2	264687	542413	2.35%	0.179%
23	14.904	2037	2043	2049	rBV2	231986	501520	2.17%	0.165%
24	15.169	2084	2088	2096	rVB	267865	390509	1.69%	0.129%
25	15.293	2101	2109	2114	rBV	3091337	4321818	18.72%	1.425%
26	15.345	2114	2118	2125	rBV2	435141	759323	3.29%	0.250%
27	15.410	2125	2129	2133	rVB	215273	269130	1.17%	0.089%
28	15.798	2191	2195	2202	rVB2	120445	269599	1.17%	0.089%
29	16.022	2227	2233	2240	rBV4	232906	501791	2.17%	0.165%
30	16.357	2284	2290	2295	rVV5	178524	469847	2.04%	0.155%
31	16.704	2344	2349	2357	rVB4	340467	653403	2.83%	0.215%
32	16.863	2372	2376	2381	rVB	287815	394170	1.71%	0.130%
33	17.045	2401	2407	2410	rBV	3024680	4353257	18.86%	1.436%
34	17.087	2410	2414	2419	rVV	5362976	7702320	33.37%	2.540%

LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP022020\
Data File : BP001818.D
Acq On : 21 Feb 2020 00:03
Operator : CG/JU
Sample : L1418-20
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : C5AW4

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-BP021820MA.M
Title : SVOA CALIBRATION

35	17.145	2419	2424	2427	rVV	3117958	4560323	19.76%	1.504%
36	17.181	2427	2430	2435	rVB	2059739	2606631	11.29%	0.860%
37	17.240	2435	2440	2447	rBV4	292606	558493	2.42%	0.184%
38	17.445	2466	2475	2481	rBV	469311	947850	4.11%	0.313%
39	17.575	2494	2497	2501	rVB	270301	322697	1.40%	0.106%
40	17.628	2503	2506	2512	rVB2	211544	306071	1.33%	0.101%
41	17.922	2551	2556	2560	rVV	1141266	1559412	6.76%	0.514%
42	17.969	2560	2564	2571	rVB	1773063	2322337	10.06%	0.766%
43	18.045	2572	2577	2582	rBV	755621	1030600	4.46%	0.340%
44	18.110	2582	2588	2592	rVV2	2221019	4044884	17.52%	1.334%
45	18.145	2592	2594	2599	rVB	938163	1000574	4.33%	0.330%
46	18.410	2635	2639	2642	rBV	922196	1157935	5.02%	0.382%
47	18.439	2642	2644	2651	rVB2	480378	596176	2.58%	0.197%
48	18.651	2676	2680	2684	rVV	364321	561261	2.43%	0.185%
49	18.698	2684	2688	2691	rVV	446178	589758	2.55%	0.194%
50	18.734	2691	2694	2698	rVB	316891	423321	1.83%	0.140%
51	18.816	2703	2708	2712	rVV2	1293874	2105667	9.12%	0.694%
52	18.875	2713	2718	2721	rVV2	840625	1497479	6.49%	0.494%
53	18.904	2721	2723	2726	rVV	419424	432905	1.88%	0.143%
54	18.945	2726	2730	2739	rVV2	1248666	2171868	9.41%	0.716%
55	19.069	2745	2751	2756	rVB	14746012	20388167	88.33%	6.723%
56	19.139	2759	2763	2765	rBV	254477	372180	1.61%	0.123%
57	19.163	2765	2767	2771	rVB3	239051	294956	1.28%	0.097%
58	19.210	2771	2775	2779	rVB	1217219	1489642	6.45%	0.491%
59	19.304	2787	2791	2794	rBV	594086	883579	3.83%	0.291%
60	19.392	2801	2806	2807	rBV	5789867	6884651	29.83%	2.270%
61	19.422	2807	2811	2819	rVV	15429608	23082574	100.00%	7.612%
62	19.492	2819	2823	2830	rVB3	544937	1069858	4.63%	0.353%
63	19.592	2836	2840	2845	rBV	793207	986791	4.28%	0.325%
64	19.651	2846	2850	2856	rVB2	585333	981942	4.25%	0.324%
65	19.739	2859	2865	2871	rBV4	1283173	2893721	12.54%	0.954%
66	19.904	2889	2893	2897	rVB	2889025	4072691	17.64%	1.343%
67	19.998	2905	2909	2913	rBV	1985000	2451005	10.62%	0.808%
68	20.057	2914	2919	2923	rVV3	1979637	2802494	12.14%	0.924%
69	20.092	2923	2925	2929	rVB2	368727	447080	1.94%	0.147%
70	20.151	2930	2935	2938	rBV4	559798	930089	4.03%	0.307%
71	20.192	2938	2942	2945	rVV	1453632	1714018	7.43%	0.565%

LSC Area Percent Report

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Acq On : 21 Feb 2020 00:03
Operator : CG/JU
Sample : L1418-20
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : C5AW4

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-BP021820MA.M
Title : SVOA CALIBRATION

72	20.239	2945	2950	2954	rVB	1381726	1917716	8.31%	0.632%
73	20.445	2982	2985	2987	rBV3	242582	341720	1.48%	0.113%
74	20.598	3007	3011	3013	rBV3	424078	717168	3.11%	0.237%
75	20.628	3013	3016	3024	rVB	1119856	1924295	8.34%	0.635%
76	20.792	3038	3044	3047	rBV3	1282628	2225913	9.64%	0.734%
77	20.833	3047	3051	3054	rVV	1580091	2062495	8.94%	0.680%
78	20.875	3054	3058	3062	rVV2	2188428	3858004	16.71%	1.272%
79	20.916	3062	3065	3074	rVB3	1164862	1952990	8.46%	0.644%
80	21.128	3096	3101	3106	rBV2	10966979	19185661	83.12%	6.327%
81	21.175	3106	3109	3116	rVB	8018783	11258411	48.77%	3.713%
82	21.292	3125	3129	3133	rBV	1611697	2341769	10.15%	0.772%
83	21.439	3151	3154	3161	rBV2	932655	1453834	6.30%	0.479%
84	21.628	3183	3186	3189	rBV	547346	754563	3.27%	0.249%
85	21.686	3192	3196	3200	rVV	1884263	2926776	12.68%	0.965%
86	21.733	3201	3204	3210	rVB	1056931	1745599	7.56%	0.576%
87	21.833	3218	3221	3225	rVB	754791	905130	3.92%	0.298%
88	21.880	3225	3229	3231	rVV	985303	1407746	6.10%	0.464%
89	21.910	3231	3234	3239	rVB2	1251377	1820877	7.89%	0.600%
90	21.980	3242	3246	3254	rVB2	742629	1243901	5.39%	0.410%
91	22.698	3361	3368	3373	rBV	7498049	18307567	79.31%	6.037%
92	22.863	3392	3396	3402	rVB	1824785	2908046	12.60%	0.959%
93	23.174	3442	3449	3453	rBV	4502133	8917856	38.63%	2.941%
94	23.222	3453	3457	3460	rVV	2293909	4272970	18.51%	1.409%
95	23.269	3460	3465	3473	rVB	7487694	14054533	60.89%	4.635%
96	23.363	3475	3481	3485	rVV	2440136	4988712	21.61%	1.645%
97	23.410	3485	3489	3498	rVB	2302172	4518549	19.58%	1.490%
98	25.604	3853	3862	3874	rVB2	4534204	13289380	57.57%	4.382%
99	26.292	3969	3979	3996	rVB	3564355	11879401	51.46%	3.917%
100	26.639	4032	4038	4058	rVB2	1207043	4242720	18.38%	1.399%

Sum of corrected areas: 303242148

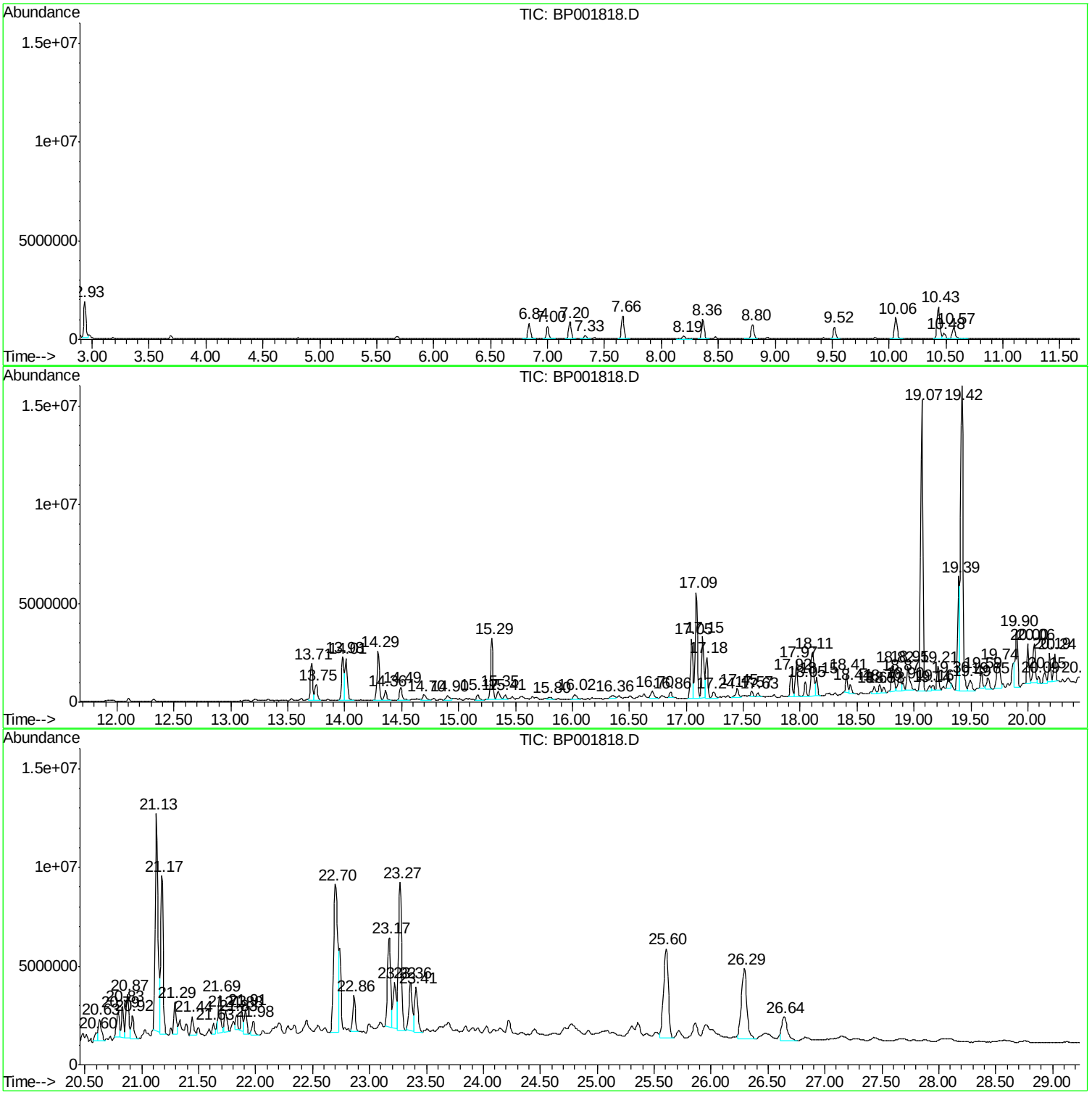
LSC Report - Integrated Chromatogram

Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP022020\
Data File : BP001818.D
Acq On : 21 Feb 2020 00:03
Operator : CG/JU
Sample : L1418-20
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : C5AW4

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\SOM-EPA-BP021820MA.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\BP022020\
Data File : BP001818.D
Acq On : 21 Feb 2020 00:03
Operator : CG/JU
Sample : L1418-20
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : C5AW4

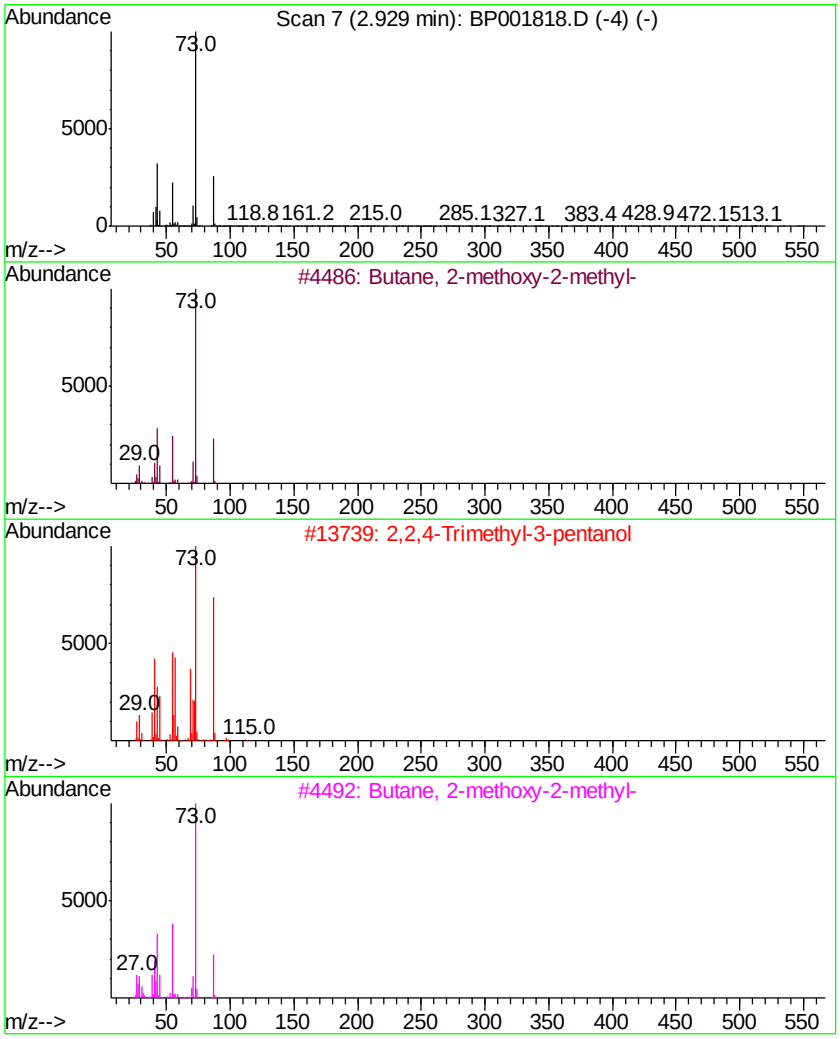
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\SOM-EPA-BP021820MA.M
Quant Title : SVOA CALIBRATION

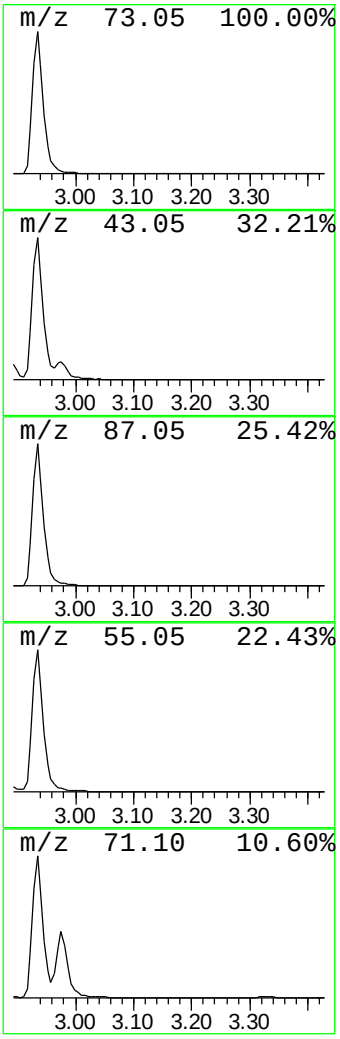
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 1 Butane, 2-methoxy-2-methyl- Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.93	25.36 ng/ul	2337010	1,4-Dichlorobenzene-d4	7.66

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Butane, 2-methoxy-2-methyl-	102	C6H14O	000994-05-8	78
2	2,2,4-Trimethyl-3-pentanol	130	C8H18O	005162-48-1	39
3	Butane, 2-methoxy-2-methyl-	102	C6H14O	000994-05-8	38
4	Pentane, 3-methoxy-	102	C6H14O	036839-67-5	23
5	Silane, tetramethyl-	88	C4H12Si	000075-76-3	17





Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP022020\
Data File : BP001818.D
Acq On : 21 Feb 2020 00:03
Operator : CG/JU
Sample : L1418-20
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : C5AW4

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\SOM-EPA-BP021820MA.M
Quant Title : SVOA CALIBRATION

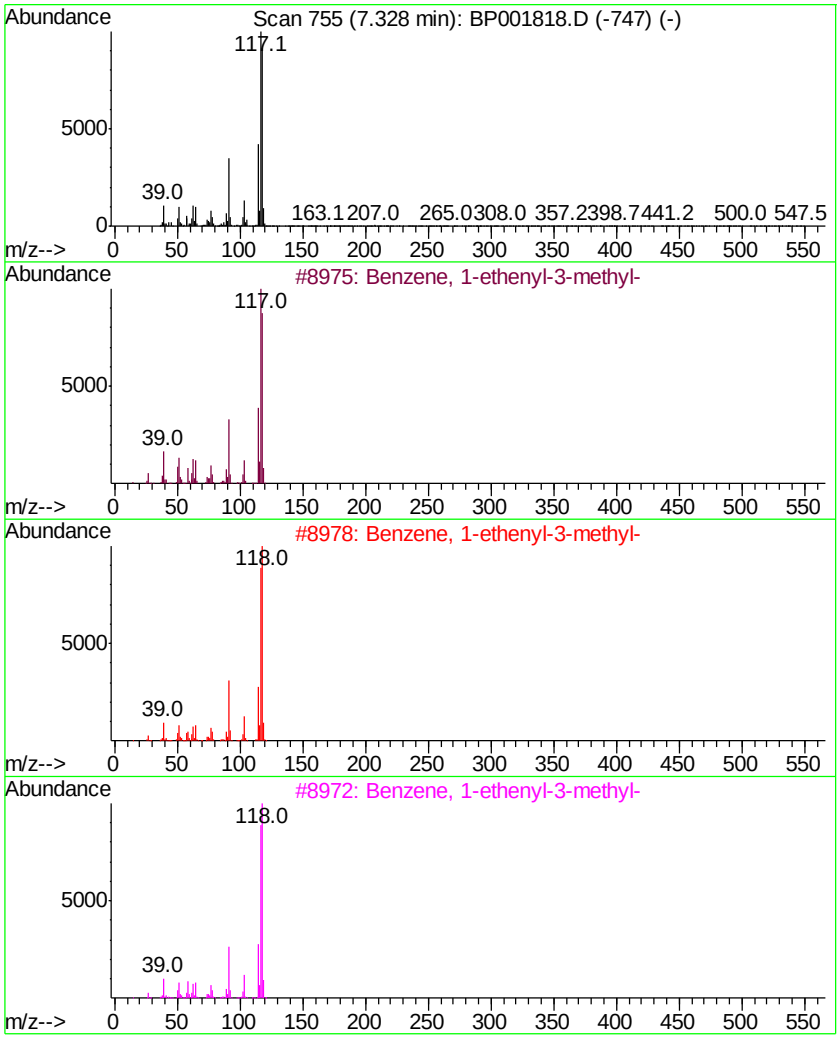
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

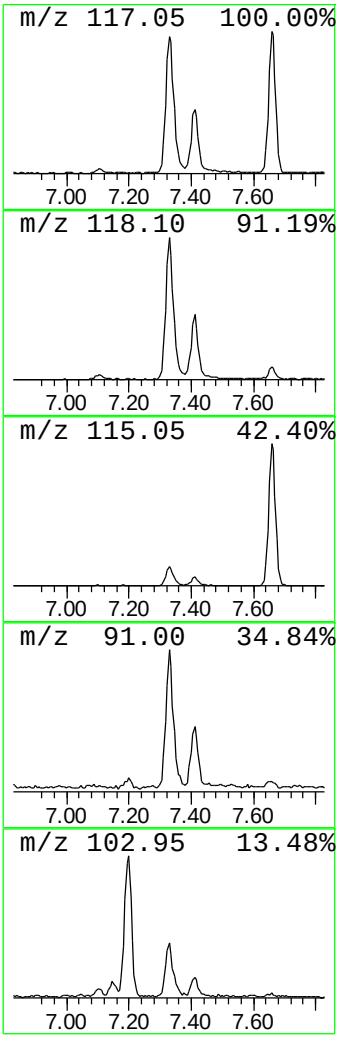
****

Peak Number 2 Benzene, 1-ethenyl-3-methyl- Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.33	3.35 ng/ul	308369	1,4-Dichlorobenzene-d4	7.66

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-ethenyl-3-methyl-	118	C9H10	000100-80-1	96
2	Benzene, 1-ethenyl-3-methyl-	118	C9H10	000100-80-1	96
3	Benzene, 1-ethenyl-3-methyl-	118	C9H10	000100-80-1	96
4	Benzene, 1-ethenyl-2-methyl-	118	C9H10	000611-15-4	95
5	Benzene, 1-propenyl-	118	C9H10	000637-50-3	94





Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP022020\
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Instrument : BNA_P
ClientSampleId : C5AW4

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\SOM-EPA-BP021820MA.M
Quant Title : SVOA CALIBRATION

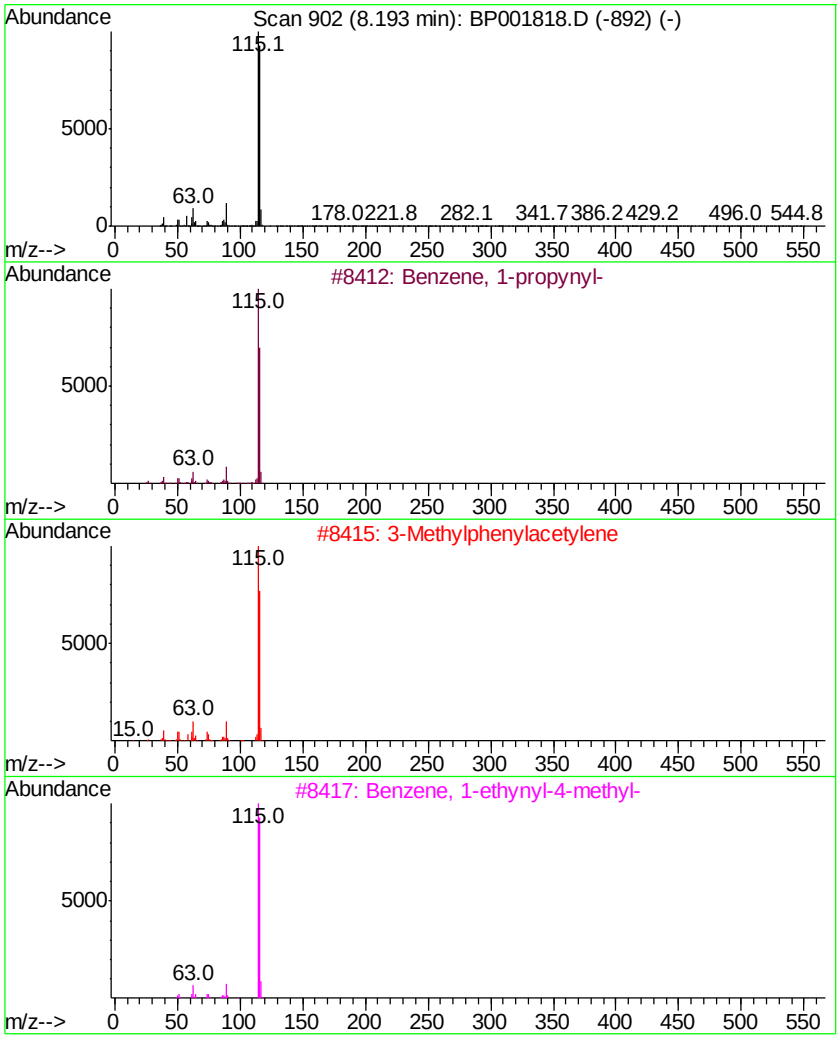
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

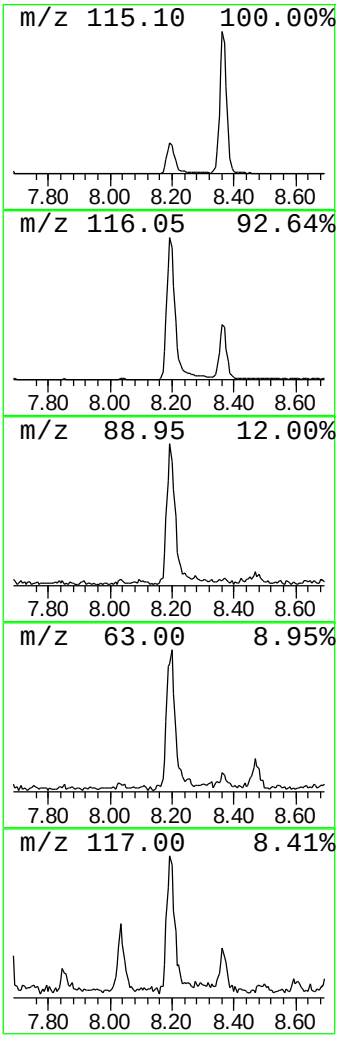
****

Peak Number 3 Benzene, 1-propynyl- Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.19	3.09 ng/ul	285053	1,4-Dichlorobenzene-d4	7.66

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-propynyl-	116	C9H8	000673-32-5	94
2	3-Methylphenylacetylene	116	C9H8	000766-82-5	91
3	Benzene, 1-ethynyl-4-methyl-	116	C9H8	000766-97-2	91
4	Benzene, 1-propynyl-	116	C9H8	000673-32-5	91
5	Benzene, 1,2-propadienyl-	116	C9H8	002327-99-3	91





Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP022020\
Data File : BP001818.D
Acq On : 21 Feb 2020 00:03
Operator : CG/JU
Sample : L1418-20
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : C5AW4

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\SOM-EPA-BP021820MA.M
Quant Title : SVOA CALIBRATION

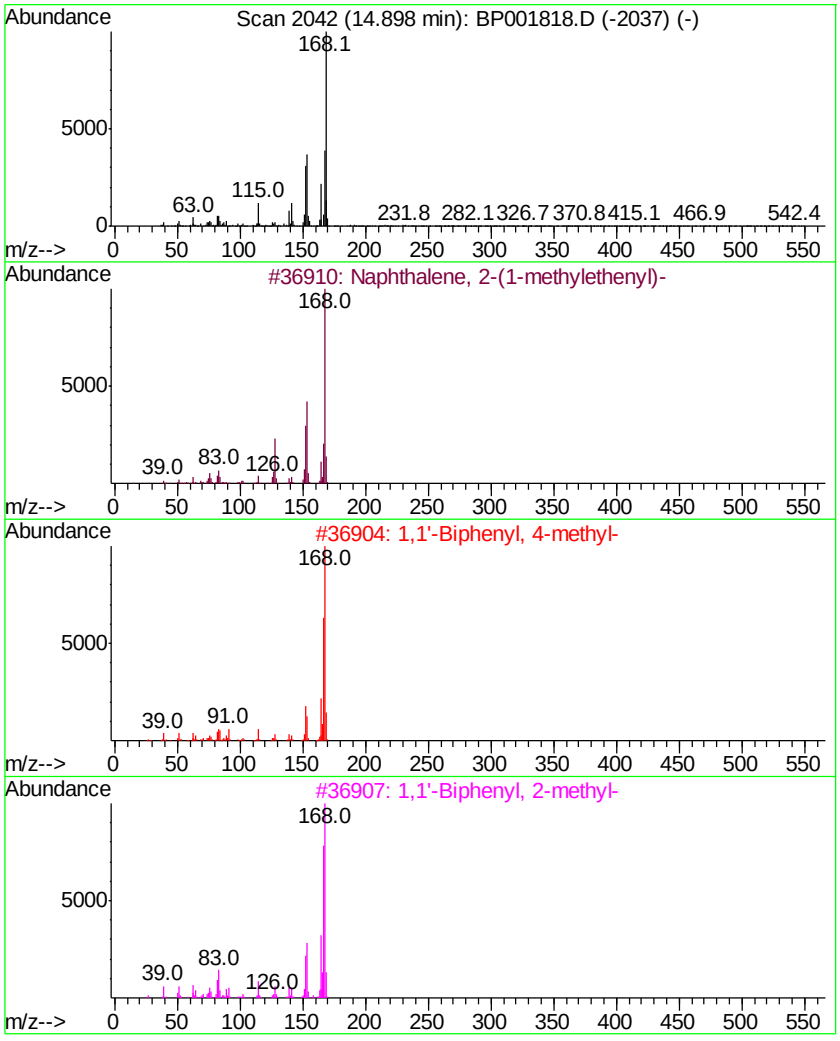
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

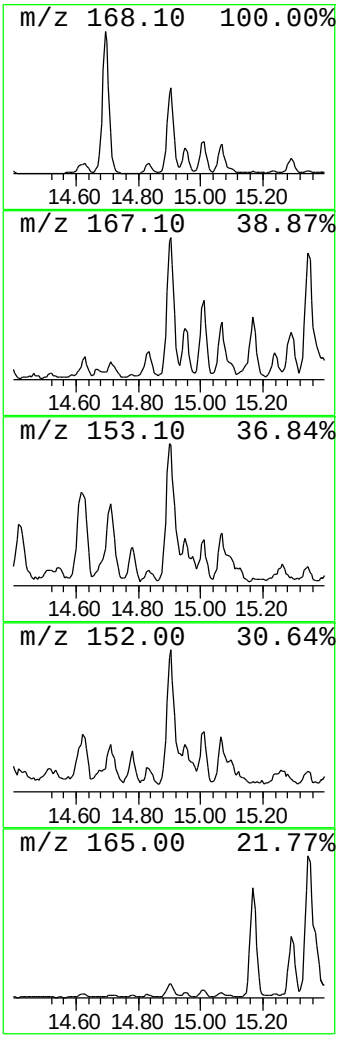
****

Peak Number 4 Naphthalene, 2-(1-methyleth... Concentration Rank 22

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.90	2.71 ng/ul	501520	Acenaphthene-d10	14.29

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2-(1-methylethenyl)-	168	C13H12	003710-23-4	72
2	1,1'-Biphenyl, 4-methyl-	168	C13H12	000644-08-6	64
3	1,1'-Biphenyl, 2-methyl-	168	C13H12	000643-58-3	64
4	1,1'-Biphenyl, 2-methyl-	168	C13H12	000643-58-3	58
5	Pyrazol-5-amine, 1,3-dimethyl-4-...	168	C6H8N4S	019688-92-7	58





Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP022020\
Data File : BP001818.D
Acq On : 21 Feb 2020 00:03
Operator : CG/JU
Sample : L1418-20
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : C5AW4

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\SOM-EPA-BP021820MA.M
Quant Title : SVOA CALIBRATION

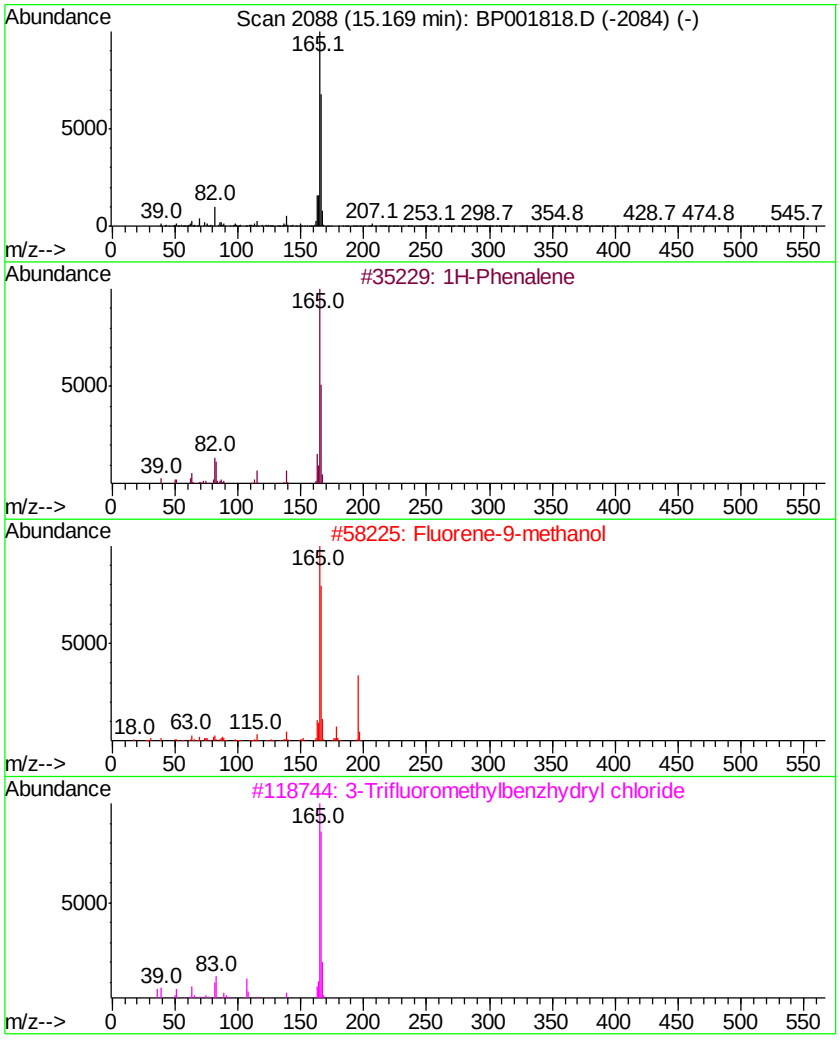
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

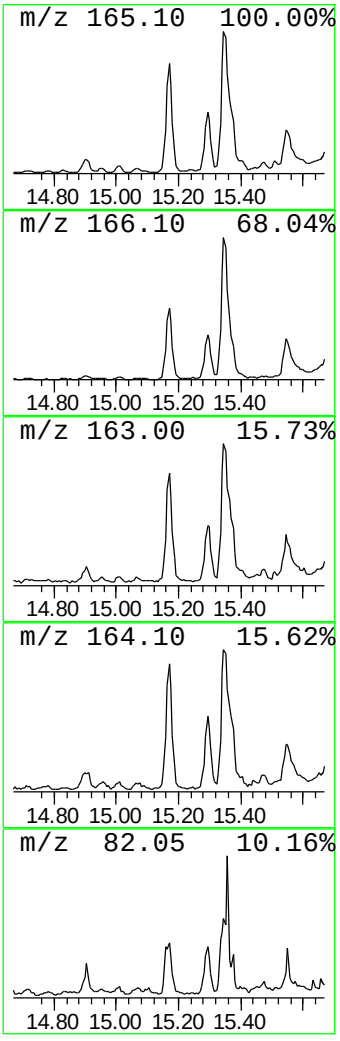
****

Peak Number 5 1H-Phenalene Concentration Rank 31

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.17	2.11 ng/ul	390509	Acenaphthene-d10	14.29

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1H-Phenalene	166	C13H10	000203-80-5	78
2	Fluorene-9-methanol	196	C14H12O	024324-17-2	72
3	3-Trifluoromethylbenzhydryl chlo...	270	C14H10ClF3	067240-79-3	64
4	Fluorene-9-methanol	196	C14H12O	024324-17-2	56
5	Fluorene	166	C13H10	000086-73-7	52





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Acq On : 21 Feb 2020 00:03
Operator : CG/JU
Sample : L1418-20
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : C5AW4

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Quant Title : SVOA CALIBRATION

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

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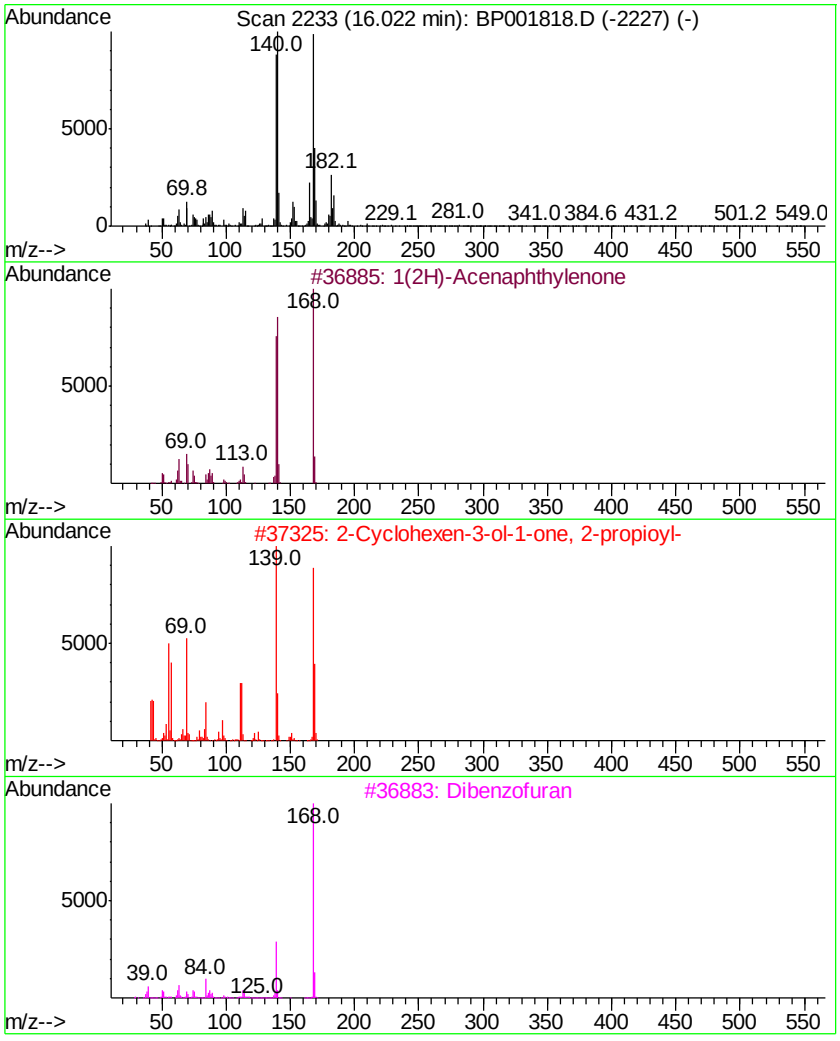
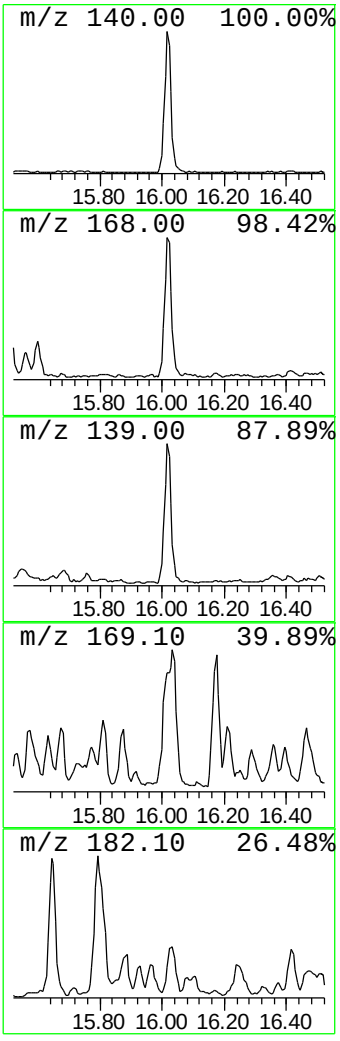
Peak Number 6 1(2H)-Acenaphthylenone Concentration Rank 28

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.02	2.31 ng/ul	501791	Phenanthrene-d10	17.05

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1(2H)-Acenaphthylenone	168	C12H8O	002235-15-6	93
2	2-Cyclohexen-3-ol-1-one, 2-propi...	168	C9H12O3	062847-90-9	47
3	Dibenzofuran	168	C12H8O	000132-64-9	43
4	Oxidopamine	169	C8H11NO3	001199-18-4	43
5	Cyclobuta[de]naphthalene	140	C11H8	024973-91-9	38





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Operator : CG/JU
Sample : L1418-20
Misc :
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Instrument : BNA_P
ClientSampleId : C5AW4

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Quant Title : SVOA CALIBRATION

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

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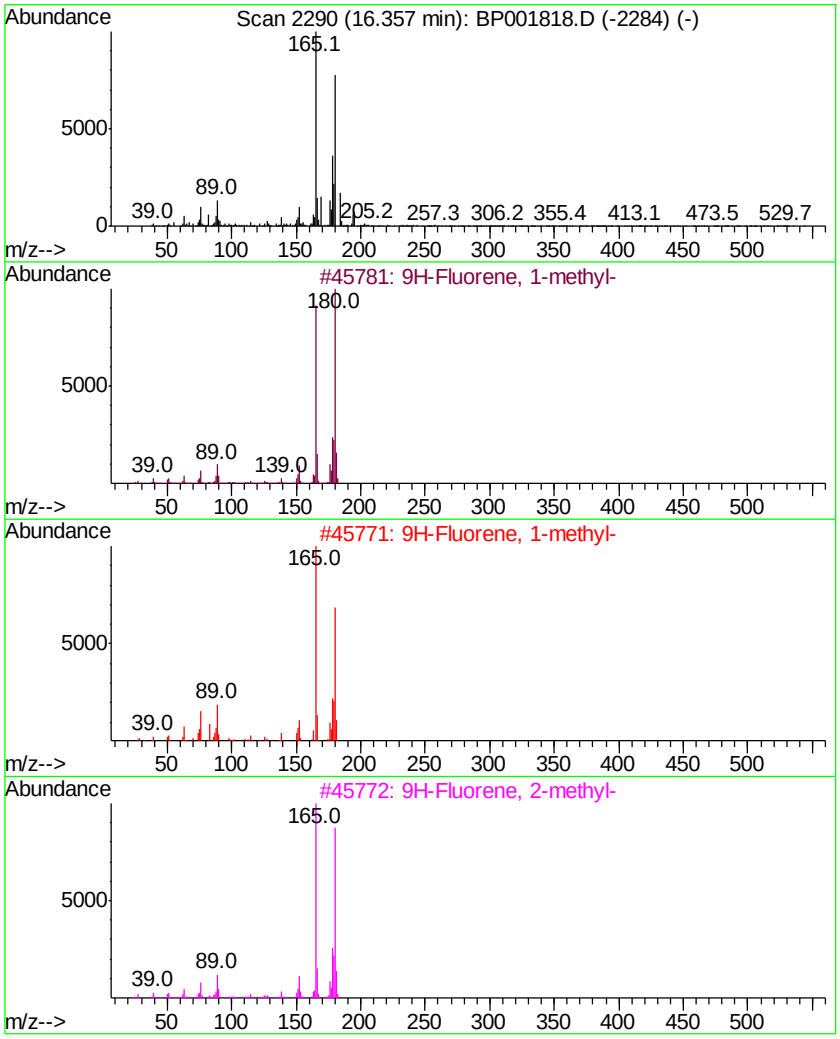
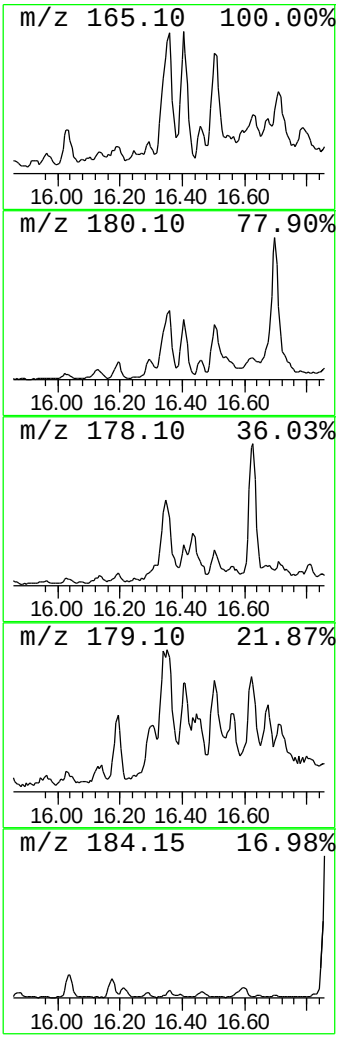
Peak Number 7 9H-Fluorene, 1-methyl- Concentration Rank 29

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.36	2.16 ng/ul	469847	Phenanthrene-d10	17.05

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9H-Fluorene, 1-methyl-	180	C14H12	001730-37-6	95
2	9H-Fluorene, 1-methyl-	180	C14H12	001730-37-6	95
3	9H-Fluorene, 2-methyl-	180	C14H12	001430-97-3	94
4	9H-Fluorene, 9-methyl-	180	C14H12	002523-37-7	93
5	9H-Fluorene, 3-methyl-	180	C14H12	002523-39-9	76





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Misc :
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Instrument : BNA_P
ClientSampleId : C5AW4

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Quant Title : SVOA CALIBRATION

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

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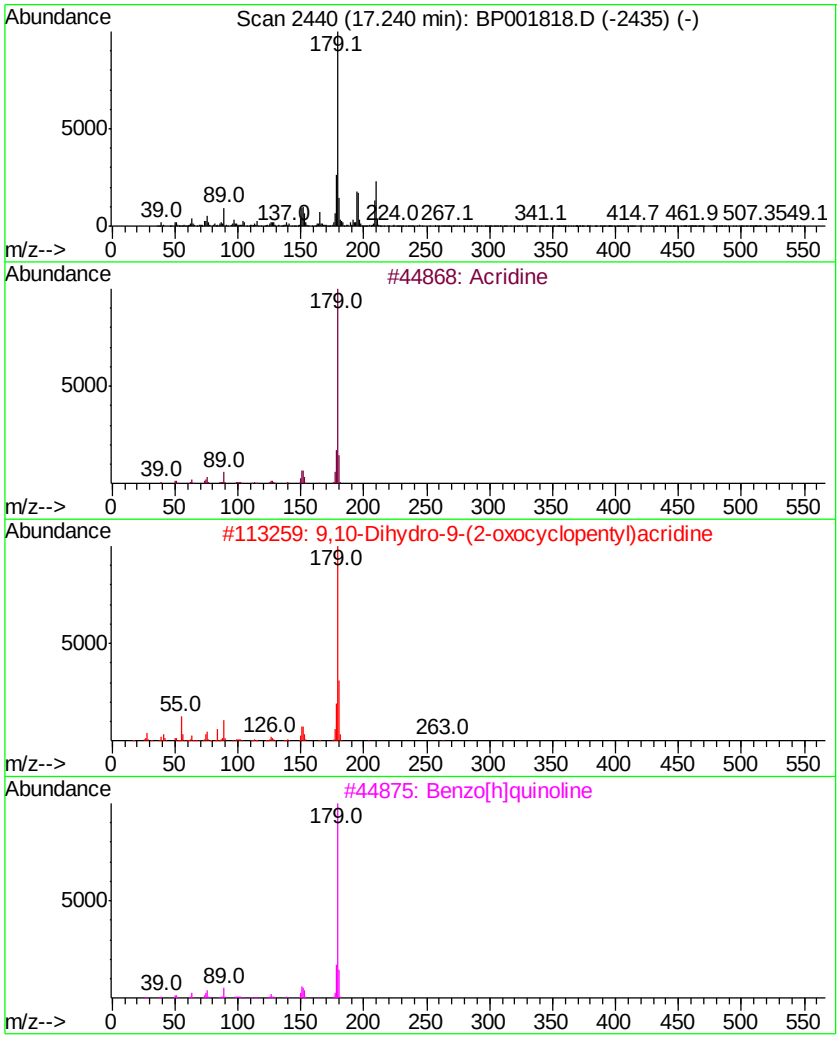
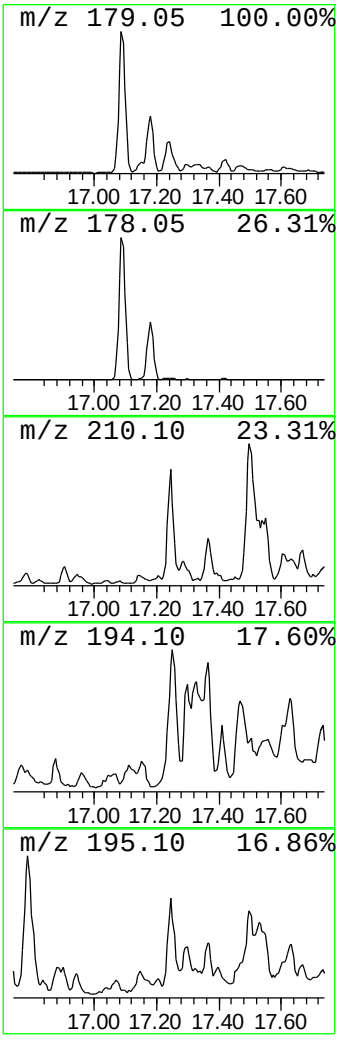
Peak Number 8 Acridine Concentration Rank 24

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.24	2.57 ng/ul	558493	Phenanthrene-d10	17.05

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Acridine	179	C13H9N	000260-94-6	92
2	9,10-Dihydro-9-(2-oxocyclopentyl...	263	C18H17NO	015539-19-2	78
3	Benzo[h]quinoline	179	C13H9N	000230-27-3	64
4	Acridine	179	C13H9N	000260-94-6	64
5	Acridine	179	C13H9N	000260-94-6	64





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Operator : CG/JU
Sample : L1418-20
Misc :
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Instrument : BNA_P
ClientSampleId : C5AW4

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Quant Title : SVOA CALIBRATION

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

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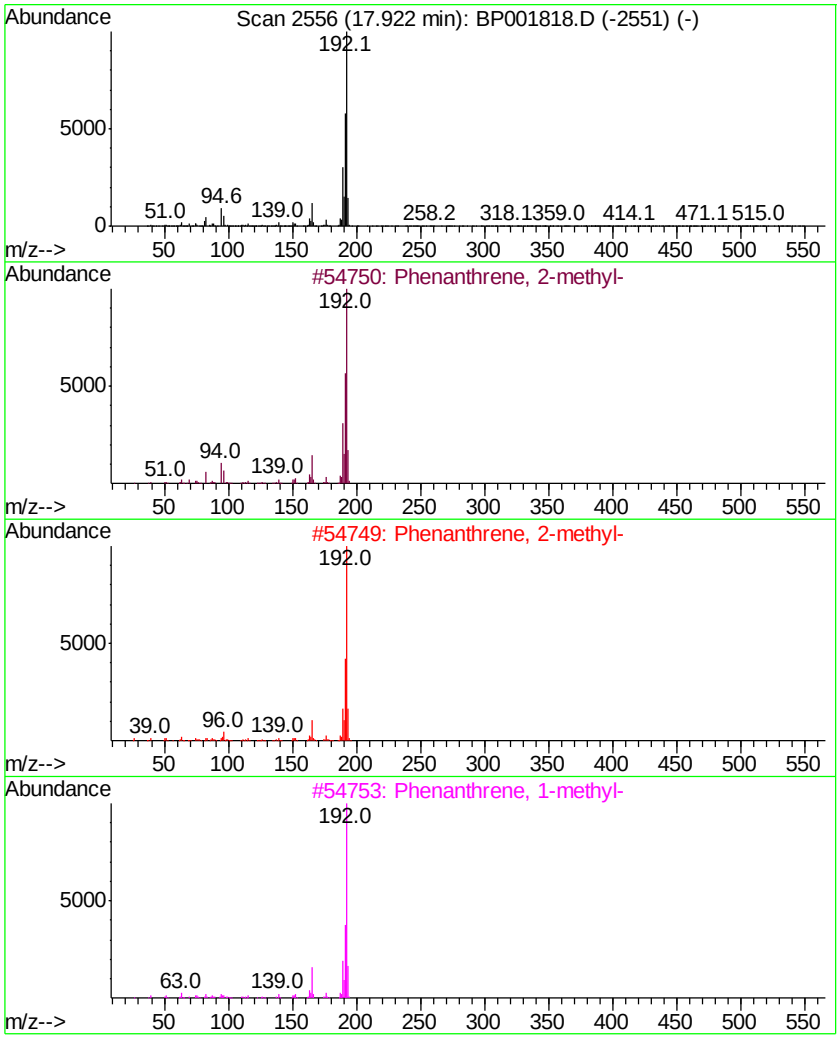
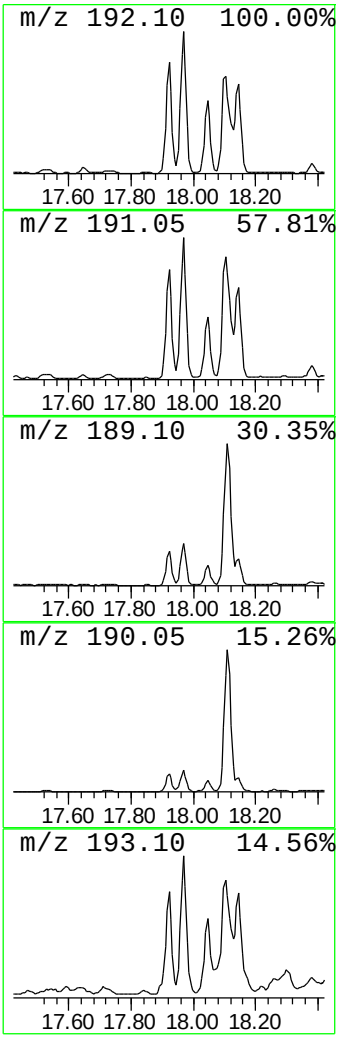
Peak Number 9 Phenanthrene, 2-methyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.92	7.16 ng/ul	1559410	Phenanthrene-d10	17.05

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	94
3	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	94
4	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	93
5	Anthracene, 9-methyl-	192	C15H12	000779-02-2	93





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Sample : L1418-20
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Instrument : BNA_P
ClientSampleId : C5AW4

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Quant Title : SVOA CALIBRATION

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

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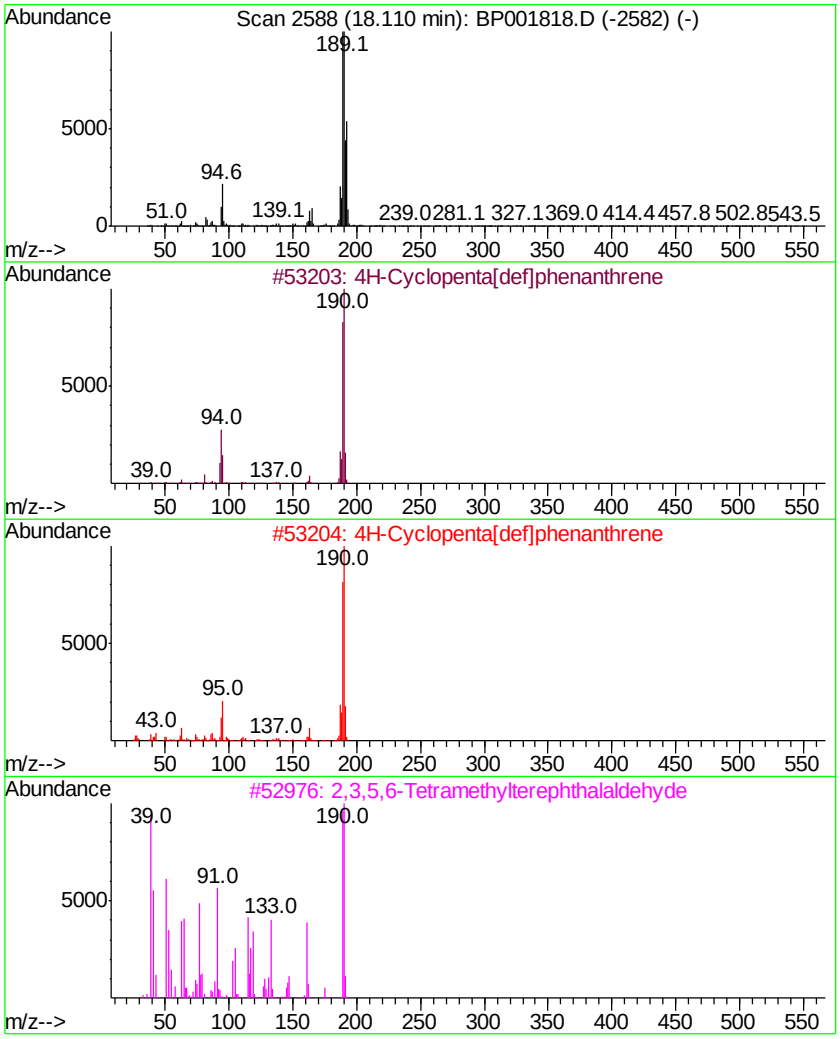
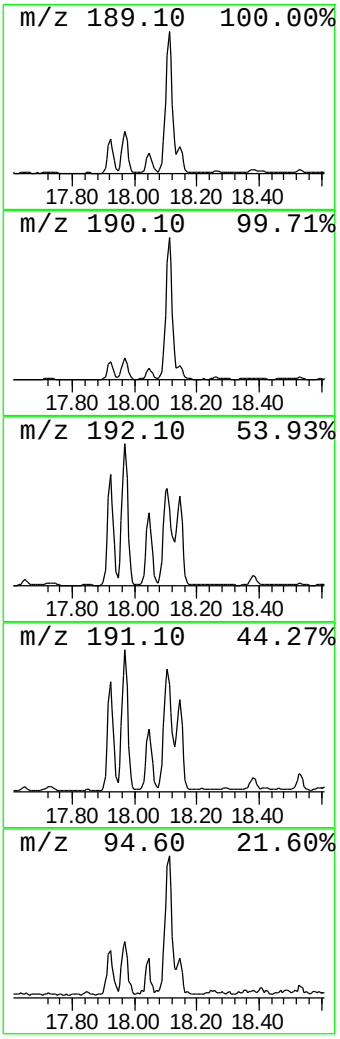
Peak Number 12 4H-Cyclopenta[def]phenanthrene Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.11	18.58 ng/ul	4044880	Phenanthrene-d10	17.05

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	92
2	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	53
3	2,3,5,6-Tetramethylterephthalald...	190	C12H14O2	007072-01-7	43
4	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	43
5	1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	38





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Acq On : 21 Feb 2020 00:03
Operator : CG/JU
Sample : L1418-20
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : C5AW4

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\SOM-EPA-BP021820MA.M
Quant Title : SVOA CALIBRATION

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

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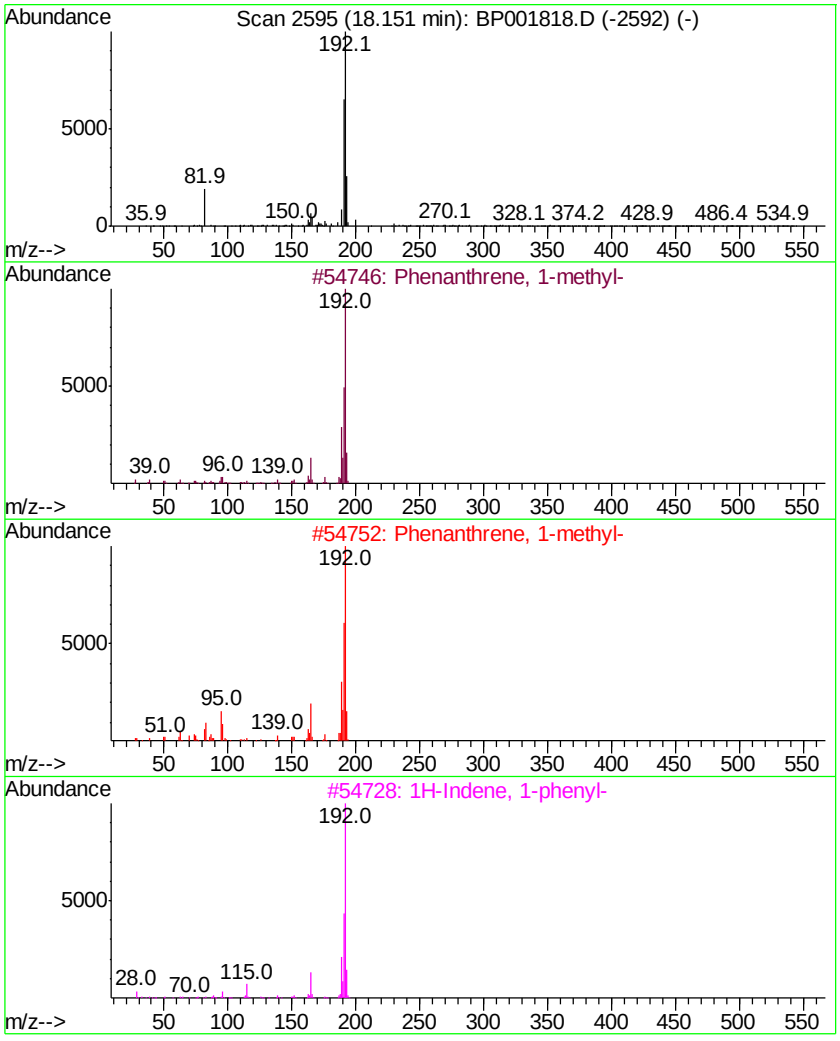
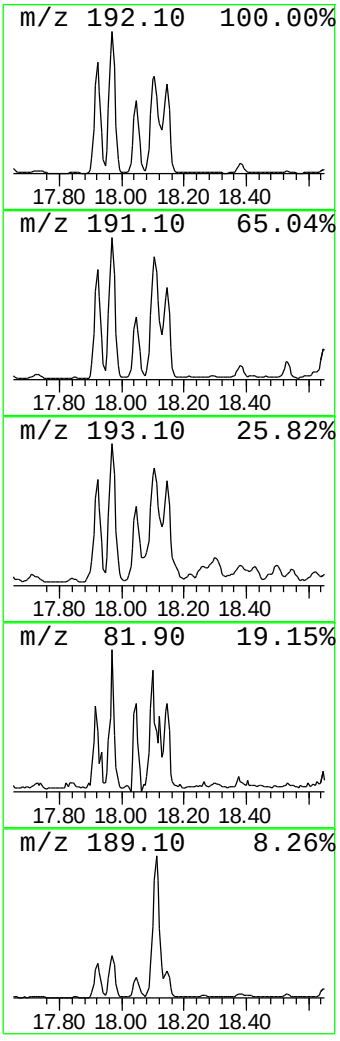
Peak Number 13 Phenanthrene, 1-methyl- Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.15	4.60 ng/ul	1000570	Phenanthrene-d10	17.05

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	90
2	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	87
3	1H-Indene, 1-phenyl-	192	C15H12	001961-96-2	87
4	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	87
5	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	86





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Misc :
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Instrument : BNA_P
ClientSampleId : C5AW4

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Quant Title : SVOA CALIBRATION

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

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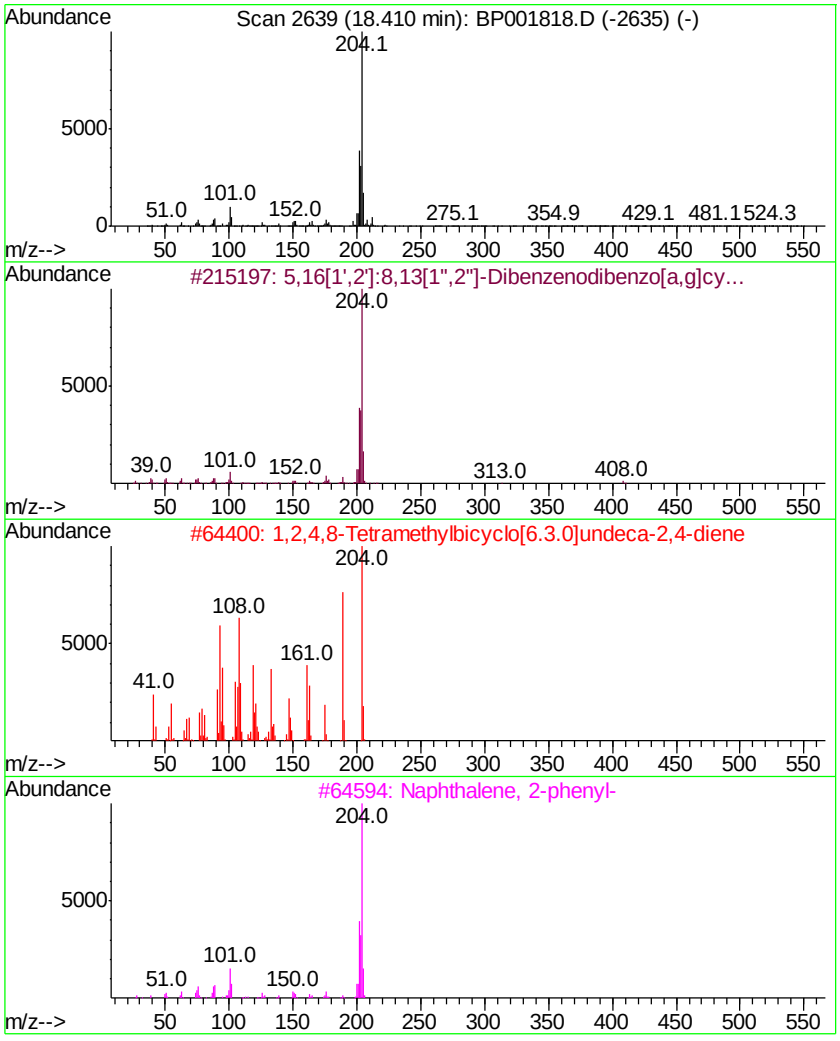
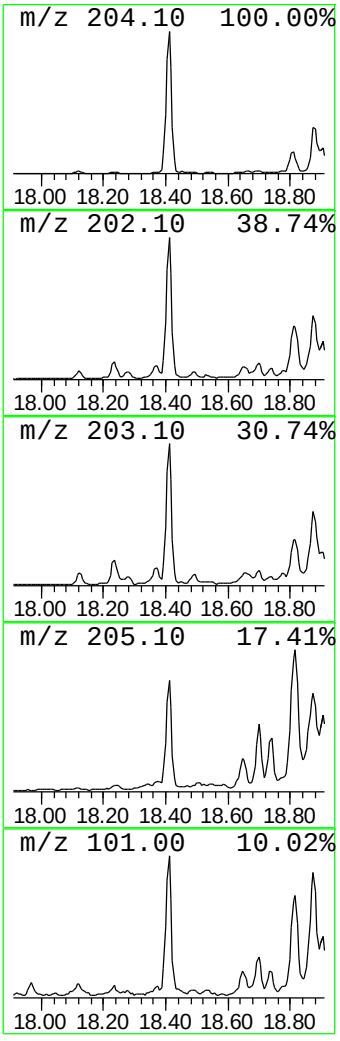
Peak Number 14 5,16[1',2']:8,13[1'',2'']-D... Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.41	5.32 ng/ul	1157940	Phenanthrene-d10	17.05

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	5,16[1',2']:8,13[1'',2'']-Dibenz...	408	C32H24	005672-97-9	91
2	1,2,4,8-Tetramethylbicyclo[6.3.0...	204	C15H24	137235-51-9	86
3	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	86
4	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	86
5	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	70





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Acq On : 21 Feb 2020 00:03
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Sample : L1418-20
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : C5AW4

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Quant Title : SVOA CALIBRATION

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

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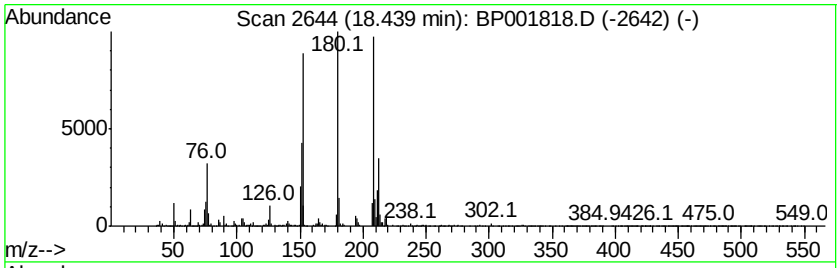
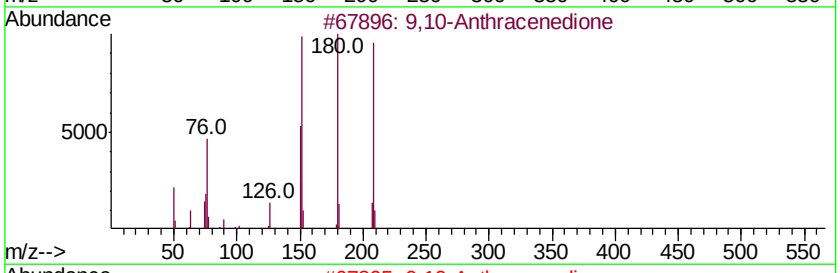
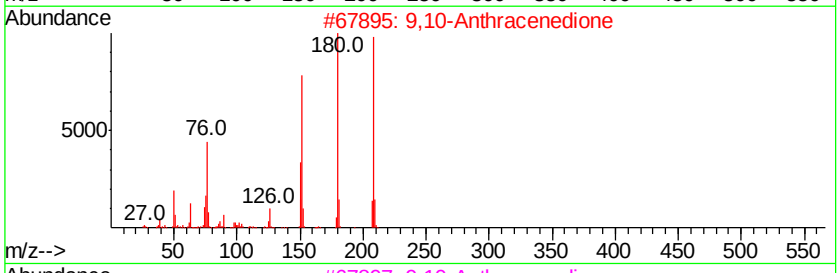
Peak Number 15 9,10-Anthracenedione Concentration Rank 20

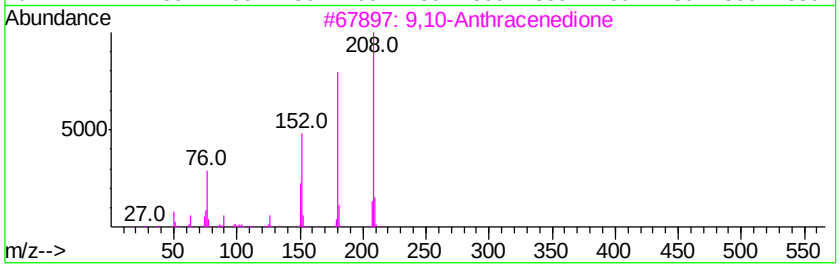
R.T.	EstConc	Area	Relative to ISTD	R.T.
18.44	2.74 ng/ul	596176	Phenanthrene-d10	17.05

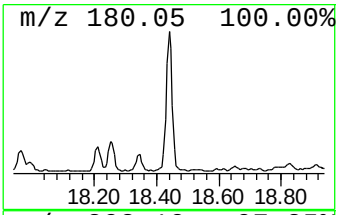
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9,10-Anthracenedione	208	C14H8O2	000084-65-1	98
2	9,10-Anthracenedione	208	C14H8O2	000084-65-1	98
3	9,10-Anthracenedione	208	C14H8O2	000084-65-1	92
4	9H-Fluoren-9-one	180	C13H8O	000486-25-9	83
5	Benzo[h]cinnoline	180	C12H8N2	000230-31-9	53

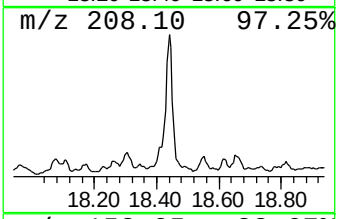


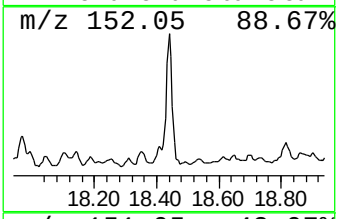


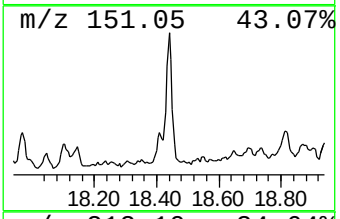


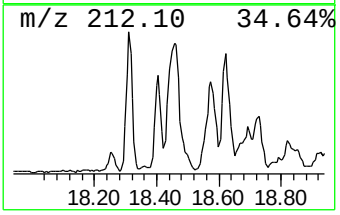












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Operator : CG/JU
Sample : L1418-20
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument : BNA_P
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Quant Title : SVOA CALIBRATION

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

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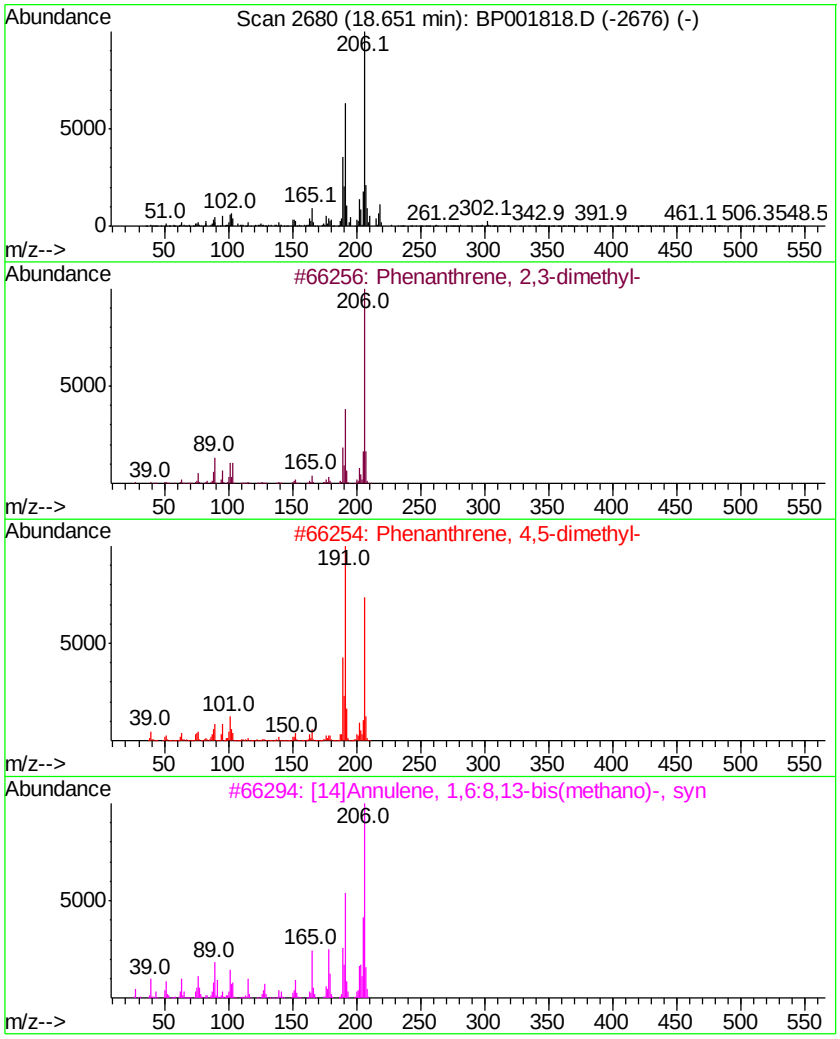
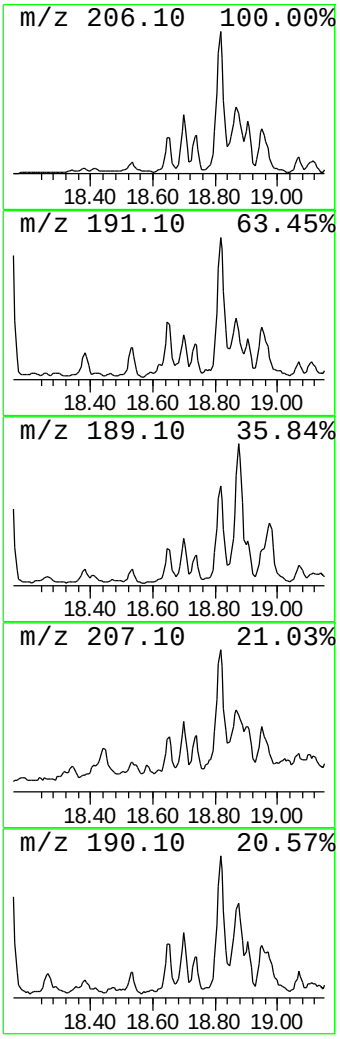
Peak Number 16 Phenanthrene, 2,3-dimethyl- Concentration Rank 23

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.65	2.58 ng/ul	561261	Phenanthrene-d10	17.05

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	90
2	Phenanthrene, 4,5-dimethyl-	206	C16H14	003674-69-9	87
3	[14]Annulene, 1,6:8,13-bis(metha...	206	C16H14	085385-68-8	87
4	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	83
5	Phenanthrene, 4,5-dimethyl-	206	C16H14	003674-69-9	83





Library Search Compound Report

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Acq On : 21 Feb 2020 00:03
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Instrument : BNA_P
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Quant Title : SVOA CALIBRATION

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

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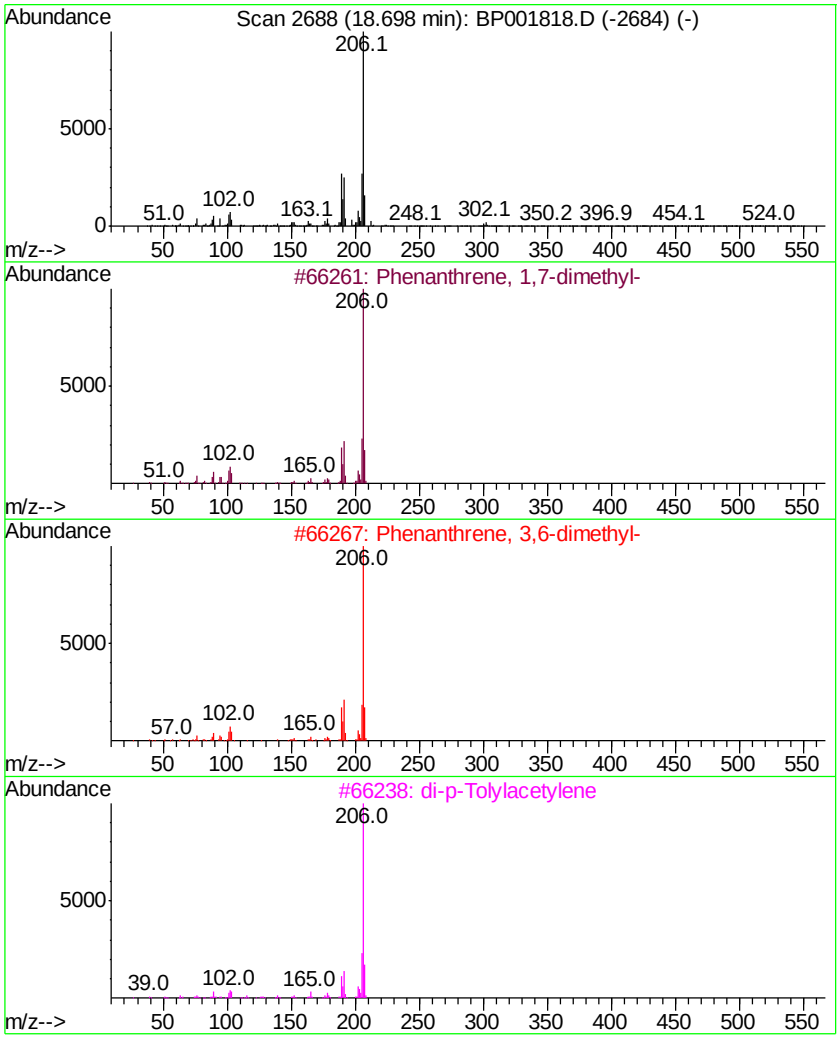
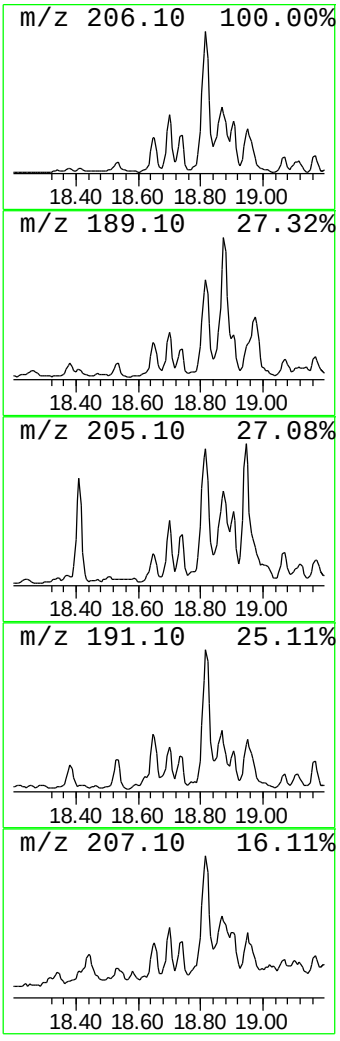
Peak Number 17 Phenanthrene, 1,7-dimethyl- Concentration Rank 21

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.70	2.71 ng/ul	589758	Phenanthrene-d10	17.05

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 1,7-dimethyl-	206	C16H14	000483-87-4	94
2	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	94
3	di-p-Tolylacetylene	206	C16H14	002789-88-0	94
4	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	90
5	Phenanthrene, 2,7-dimethyl-	206	C16H14	001576-69-8	90





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Acq On : 21 Feb 2020 00:03
Operator : CG/JU
Sample : L1418-20
Misc :
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Instrument : BNA_P
ClientSampleId : C5AW4

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Quant Title : SVOA CALIBRATION

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

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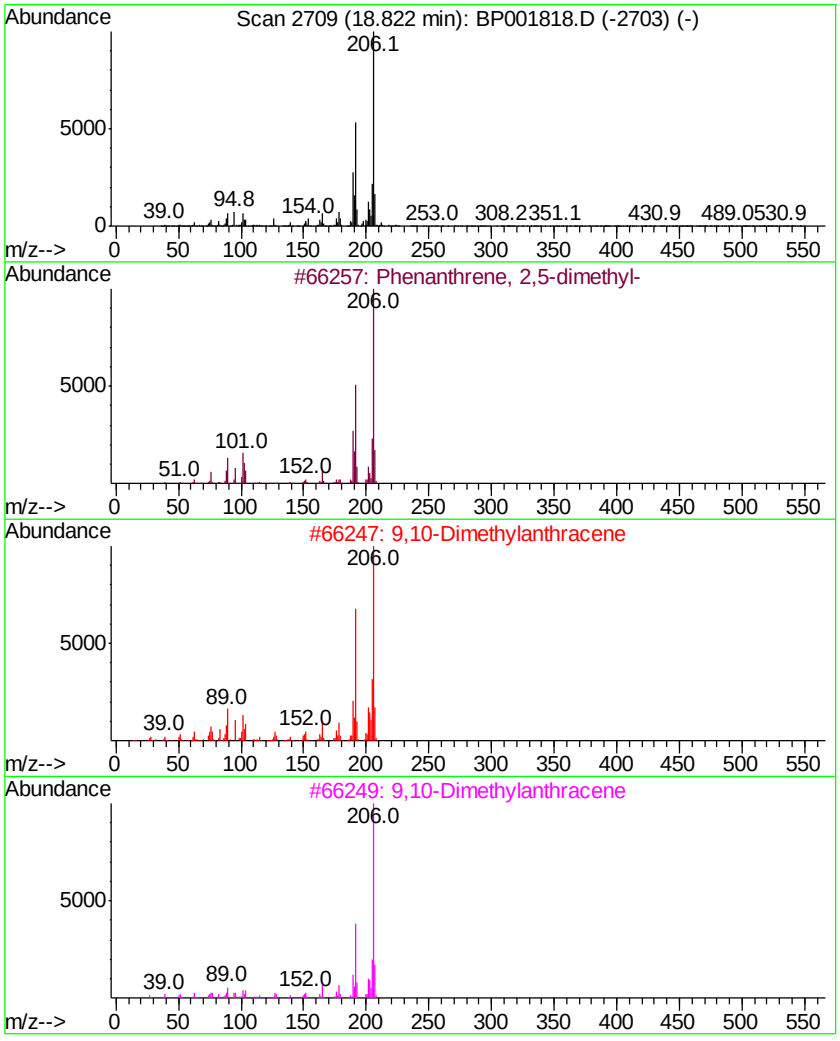
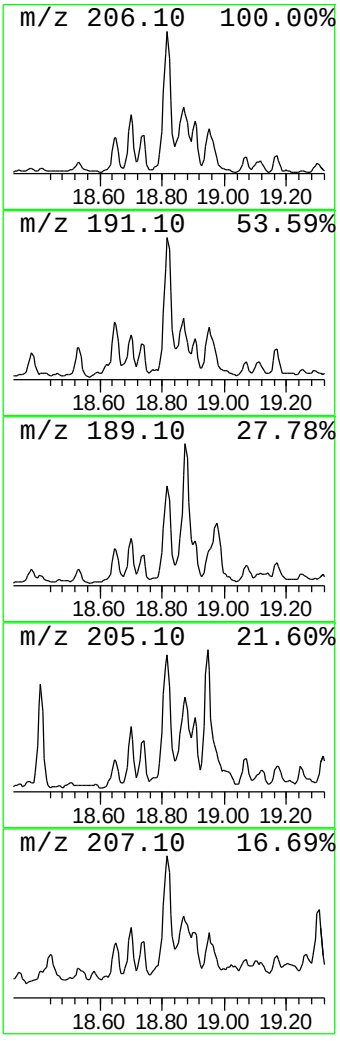
Peak Number 18 Phenanthrene, 2,5-dimethyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.82	9.67 ng/ul	2105670	Phenanthrene-d10	17.05

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	97
2	9,10-Dimethylanthracene	206	C16H14	000781-43-1	97
3	9,10-Dimethylanthracene	206	C16H14	000781-43-1	96
4	9,10-Dimethylanthracene	206	C16H14	000781-43-1	93
5	di-p-Tolylacetylene	206	C16H14	002789-88-0	91





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Operator : CG/JU
Sample : L1418-20
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Instrument : BNA_P
ClientSampleId : C5AW4

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Quant Title : SVOA CALIBRATION

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

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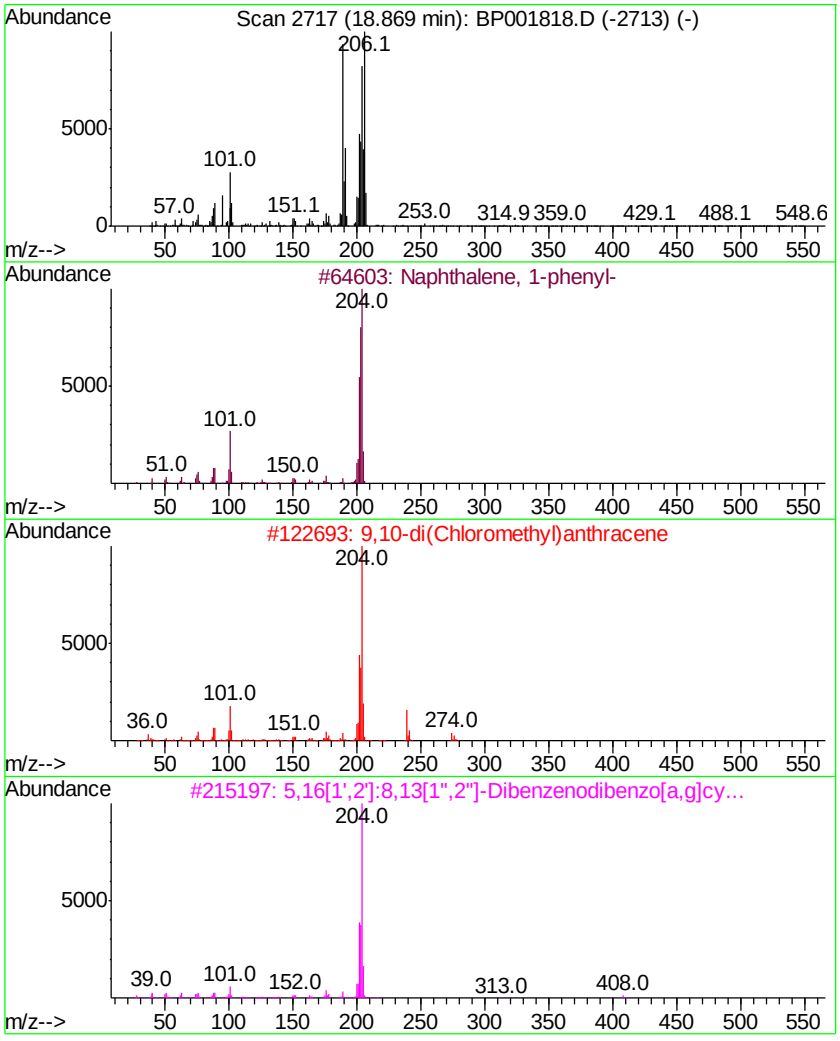
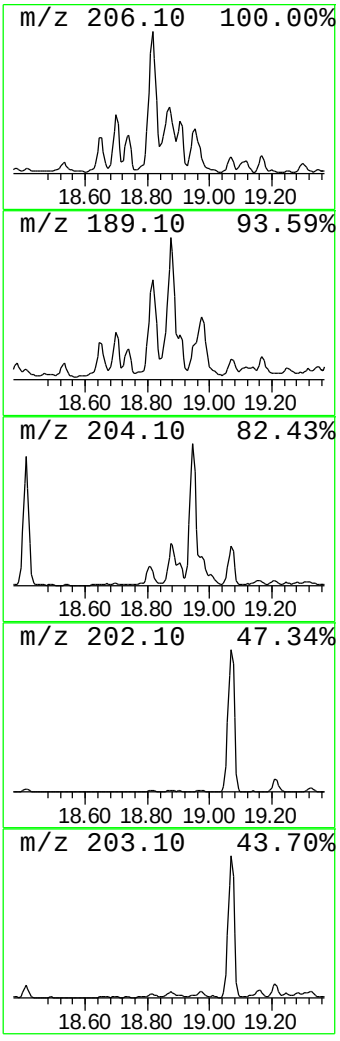
Peak Number 19 Naphthalene, 1-phenyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.87	6.88 ng/ul	1497480	Phenanthrene-d10	17.05

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1-phenyl-	204	C16H12	000605-02-7	51
2	9,10-di(Chloromethyl)anthracene	274	C16H12Cl2	010387-13-0	49
3	5,16[1',2']:8,13[1'',2'']-Dibenz...	408	C32H24	005672-97-9	49
4	Pyrene, 4,5,9,10-tetrahydro-	206	C16H14	000781-17-9	47
5	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	46





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ClientSampleId : C5AW4

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Quant Title : SVOA CALIBRATION

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

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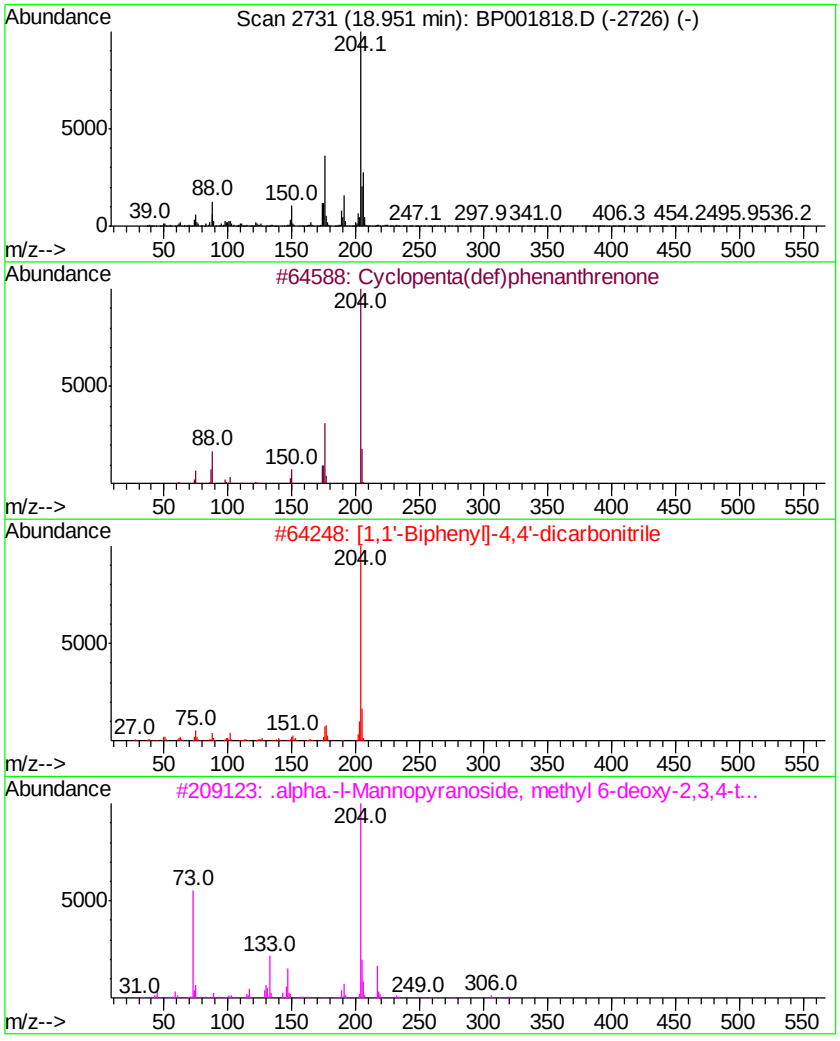
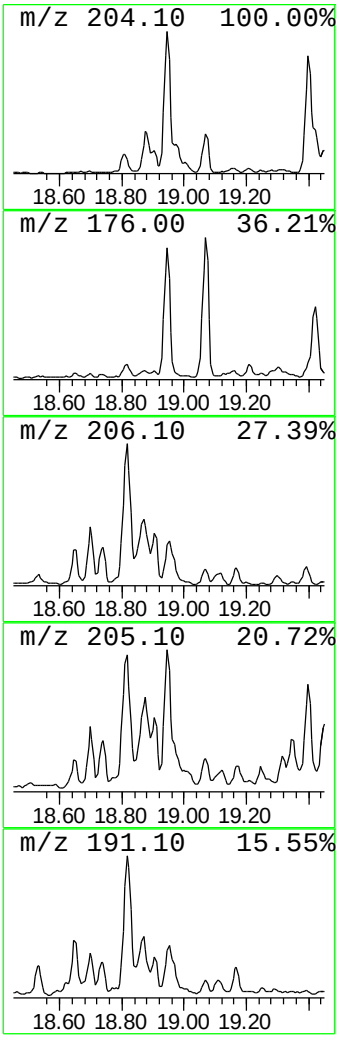
Peak Number 20 Cyclopenta(def)phenanthrenone Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.95	9.98 ng/ul	2171870	Phenanthrene-d10	17.05

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	58
3	.alpha.-l-Mannopyranoside, methy...	394	C16H38O5Si3	056271-60-4	50
4	N-(4-Chloro-phenyl)-2-(3,4-dihyd...	330	C17H15ClN2OS	1000296-34-3	47
5	[1,1'-Biphenyl]-2,2'-dicarbonitrile	204	C14H8N2	004341-02-0	47





Library Search Compound Report

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ClientSampleId : C5AW4

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Quant Title : SVOA CALIBRATION

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

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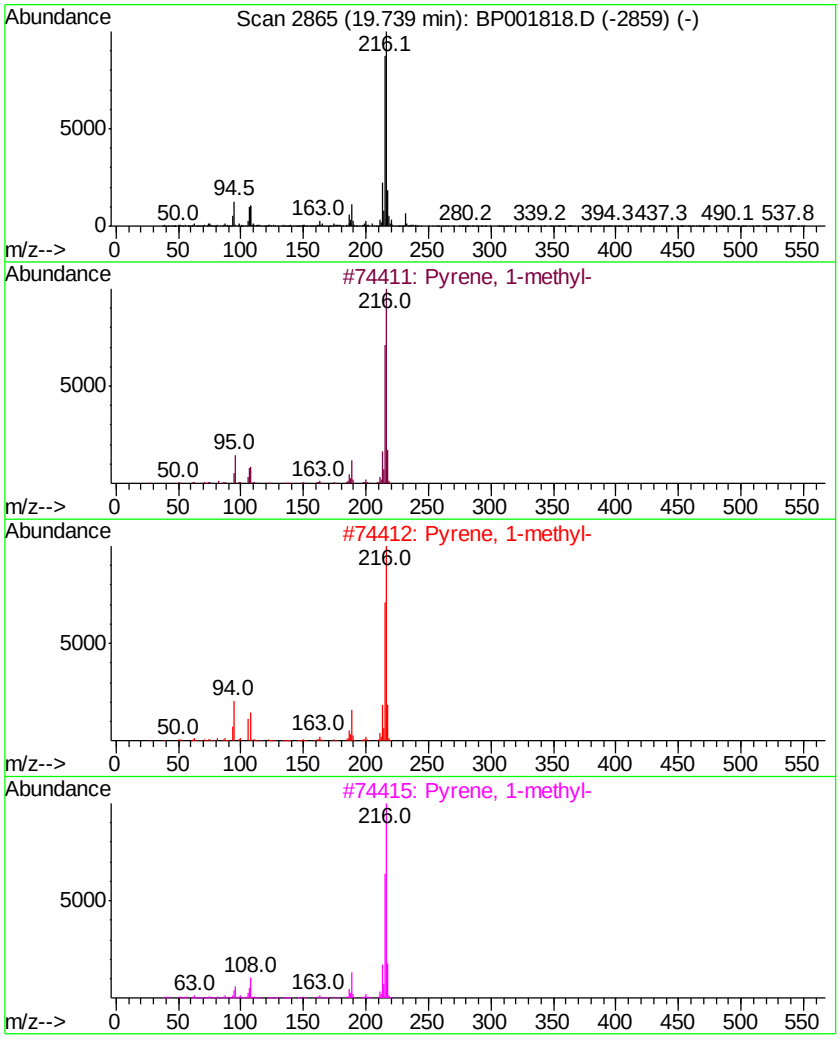
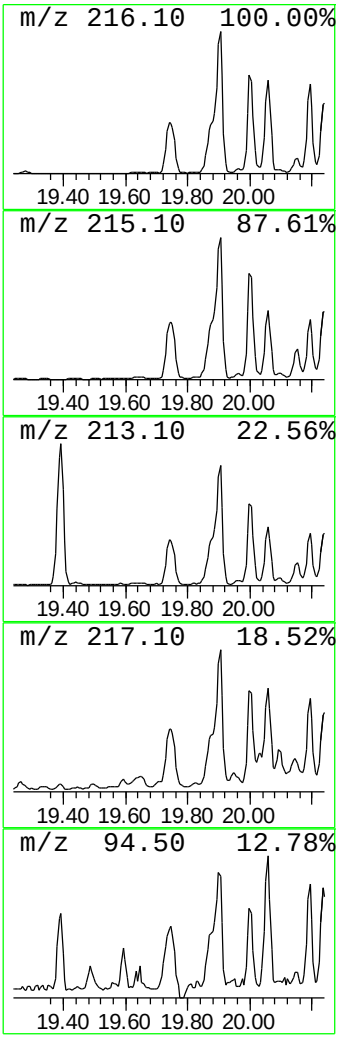
Peak Number 21 Pyrene, 1-methyl- Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.74	3.02 ng/ul	2893720	Chrysene-d12	21.14

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	91
4	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	90
5	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	89





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Sample : L1418-20
Misc :
ALS Vial : 23 Sample Multiplier: 1

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Quant Title : SVOA CALIBRATION

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

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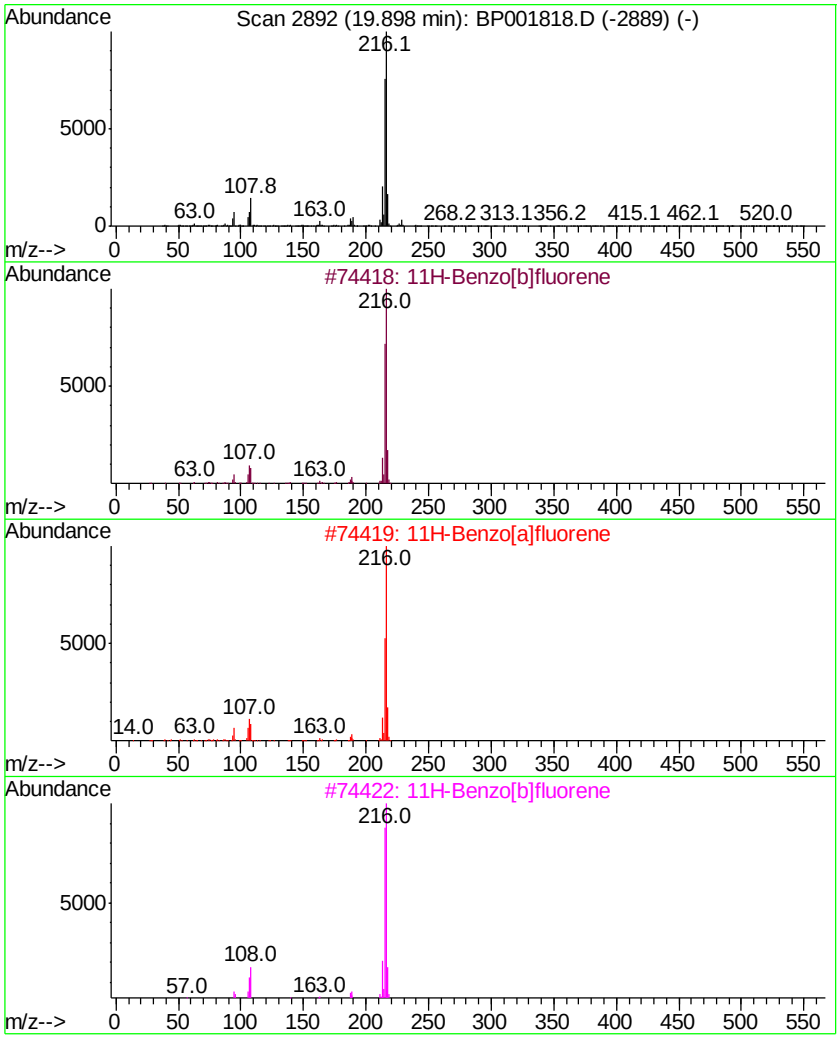
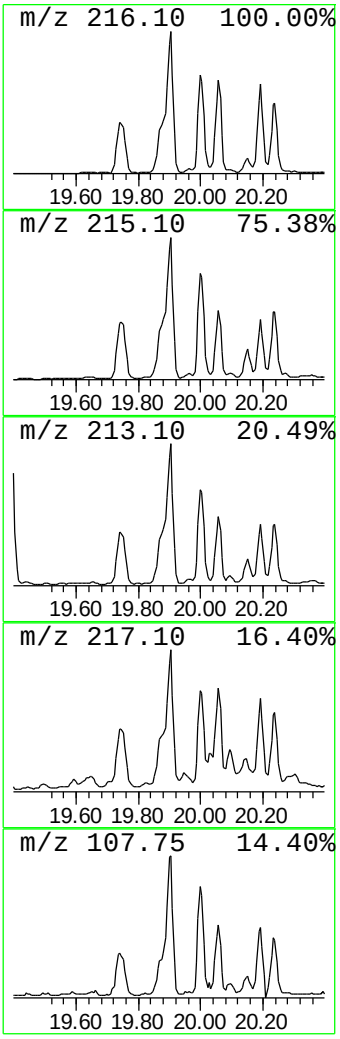
Peak Number 22 11H-Benzo[b]fluorene Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.90	4.25 ng/ul	4072690	Chrysene-d12	21.14

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	97
2	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	95
3	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	93
4	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	93
5	Pyrene, 1-methyl-	216	C17H12	002381-21-7	91





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Instrument : BNA_P
ClientSampleId : C5AW4

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Quant Title : SVOA CALIBRATION

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

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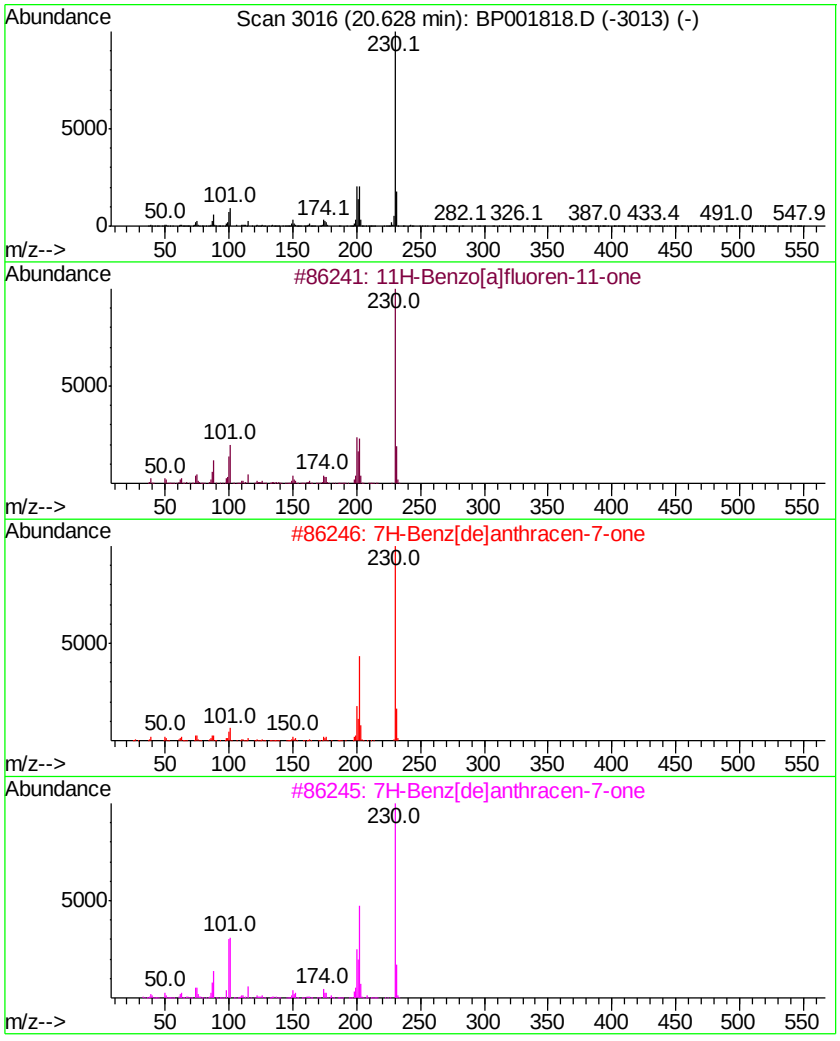
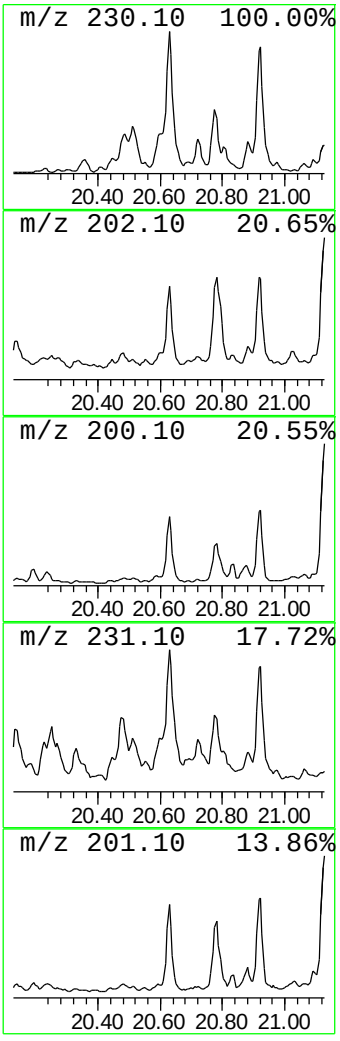
Peak Number 25 11H-Benzo[a]fluoren-11-one Concentration Rank 33

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.63	2.01 ng/ul	1924300	Chrysene-d12	21.14

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[a]fluoren-11-one	230	C17H10O	000479-79-8	96
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	90
4	7H-Benz[de]anthracen-7-one	230	C17H10O	000082-05-3	58
5	7H-Benz[de]anthracen-7-one	230	C17H10O	000082-05-3	58





Library Search Compound Report

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Operator : CG/JU
Sample : L1418-20
Misc :
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Instrument : BNA_P
ClientSampleId : C5AW4

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Quant Title : SVOA CALIBRATION

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

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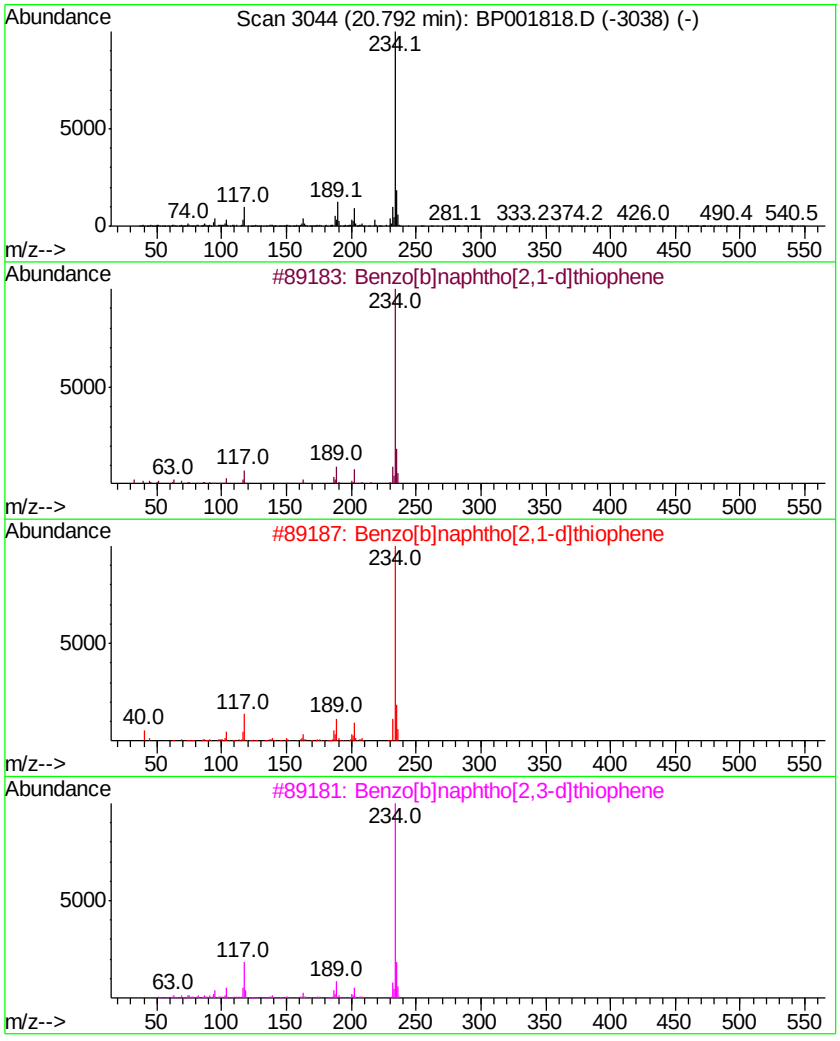
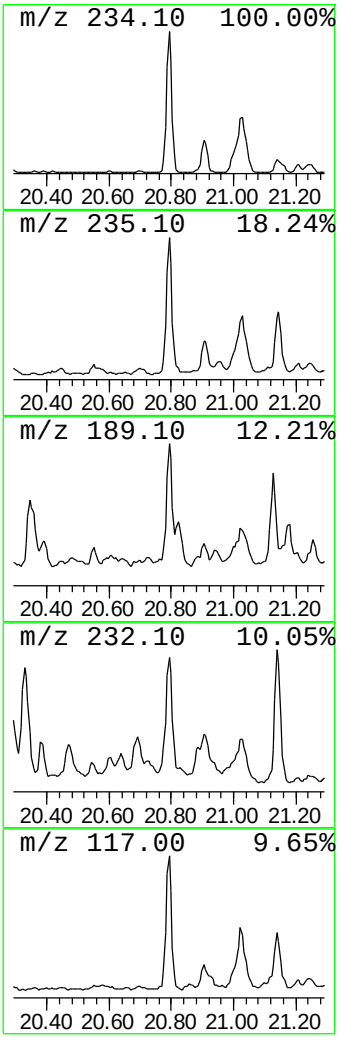
Peak Number 26 Benzo[b]naphtho[2,1-d]thiop... Concentration Rank 27

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.79	2.32 ng/ul	2225910	Chrysene-d12	21.14

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[b]naphtho[2,1-d]thiophene	234	C16H10S	000239-35-0	98
2	Benzo[b]naphtho[2,1-d]thiophene	234	C16H10S	000239-35-0	97
3	Benzo[b]naphtho[2,3-d]thiophene	234	C16H10S	000243-46-9	95
4	Benzo[b]naphtho[2,3-d]thiophene	234	C16H10S	000243-46-9	94
5	Benzo[b]naphtho[2,1-d]thiophene	234	C16H10S	000239-35-0	93





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Quant Title : SVOA CALIBRATION

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

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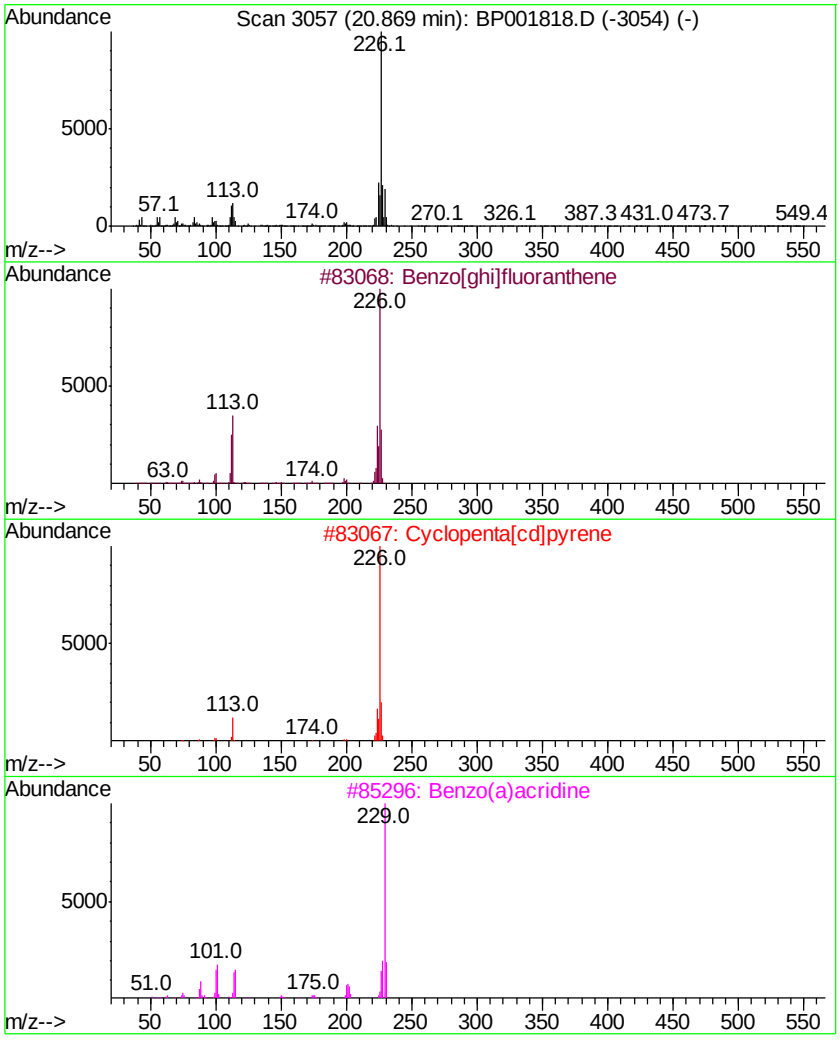
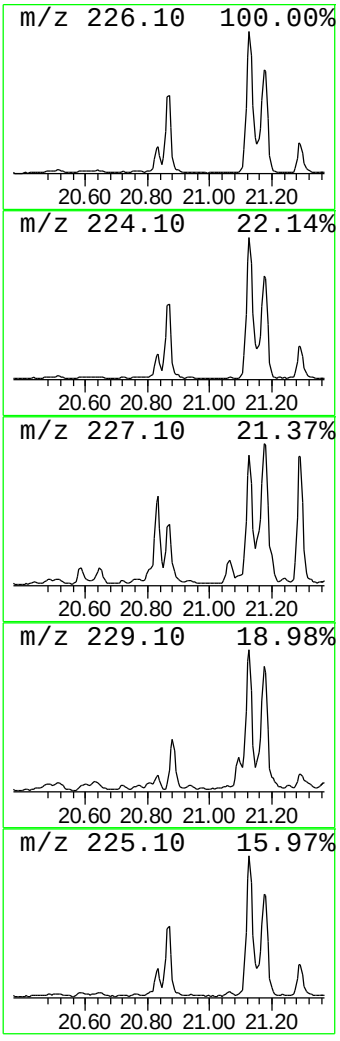
Peak Number 28 unknown-01 Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.87	4.02 ng/ul	3858000	Chrysene-d12	21.14

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[ghi]fluoranthene	226	C18H10	000203-12-3	38
2	Cyclopenta[cd]pyrene	226	C18H10	027208-37-3	30
3	Benzo(a)acridine	229	C17H11N	000225-11-6	27
4	9H-Xanthen-9-one, 3-methoxy-	226	C14H10O3	003722-52-9	27
5	Benzene, 1-bromo-4-isothiocyanat...	227	C8H6BrNS	071672-88-3	27





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Sample : L1418-20
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : C5AW4

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Quant Title : SVOA CALIBRATION

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

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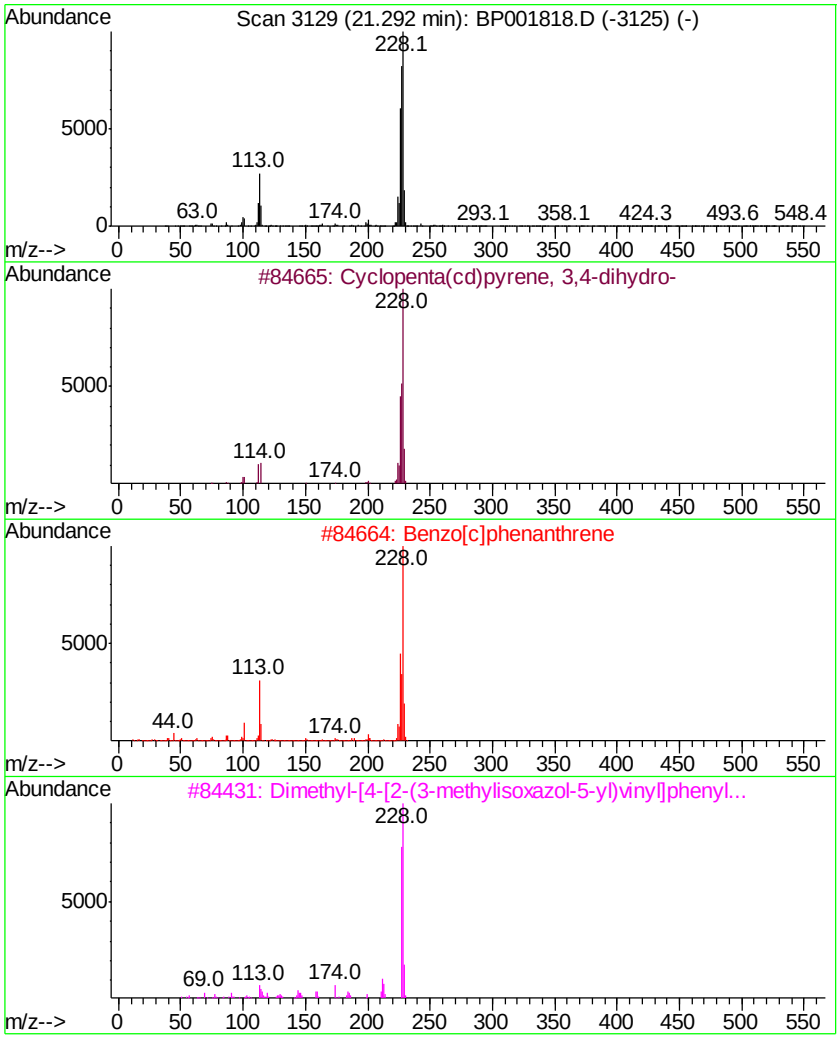
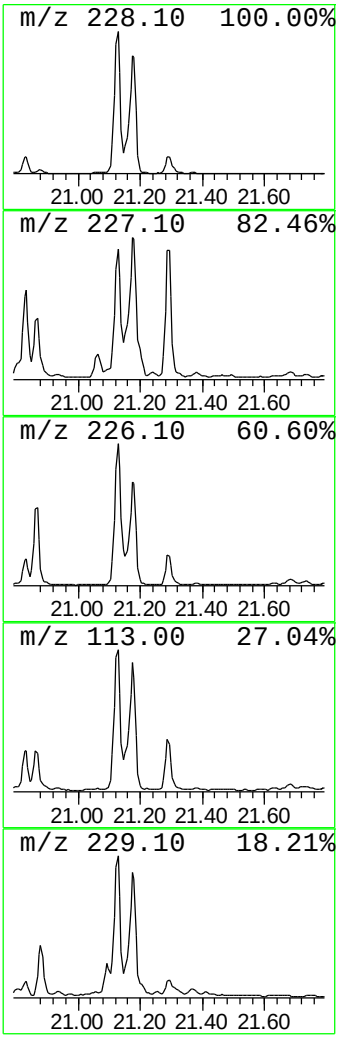
Peak Number 30 Cyclopenta(cd)pyrene, 3,4-d... Concentration Rank 26

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.29	2.44 ng/ul	2341770	Chrysene-d12	21.14

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopenta(cd)pyrene, 3,4-dihydro-	228	C18H12	025732-74-5	95
2	Benzo[c]phenanthrene	228	C18H12	000195-19-7	55
3	Dimethyl-[4-[2-(3-methylisoxazol...	228	C14H16N2O	1000306-39-6	50
4	Diphenylvinylphosphine oxide	228	C14H13OP	002096-78-8	49
5	Benzo[c]phenanthrene	228	C18H12	000195-19-7	49





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Operator : CG/JU
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Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : C5AW4

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Quant Title : SVOA CALIBRATION

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

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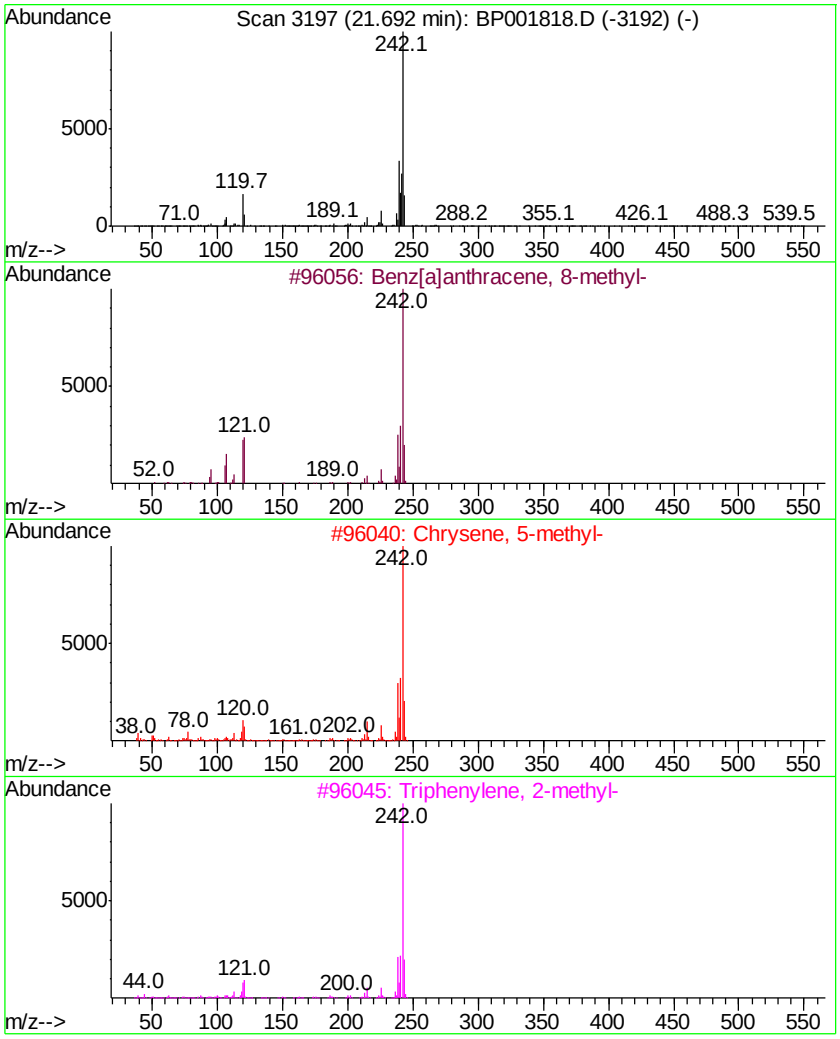
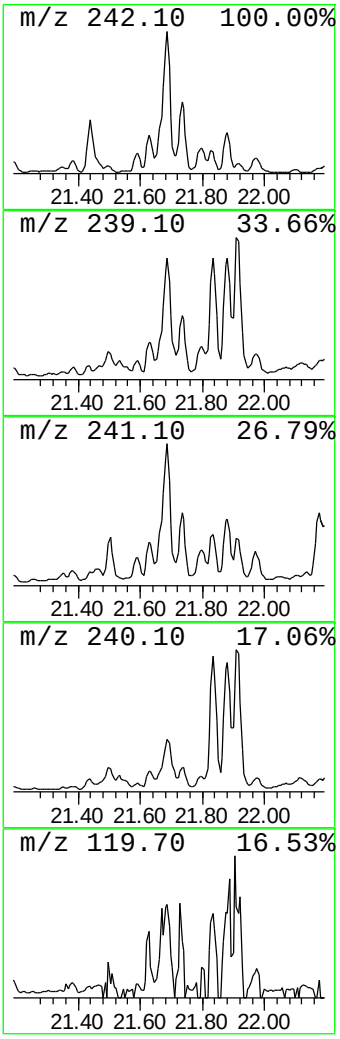
Peak Number 31 Benz[a]anthracene, 8-methyl- Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.69	3.05 ng/ul	2926780	Chrysene-d12	21.14

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benz[a]anthracene, 8-methyl-	242	C19H14	002381-31-9	91
2	Chrysene, 5-methyl-	242	C19H14	003697-24-3	91
3	Triphenylene, 2-methyl-	242	C19H14	001705-84-6	90
4	Benz[a]anthracene, 7-methyl-	242	C19H14	002541-69-7	90
5	Benz[a]anthracene, 1-methyl-	242	C19H14	002498-77-3	89





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Quant Title : SVOA CALIBRATION

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

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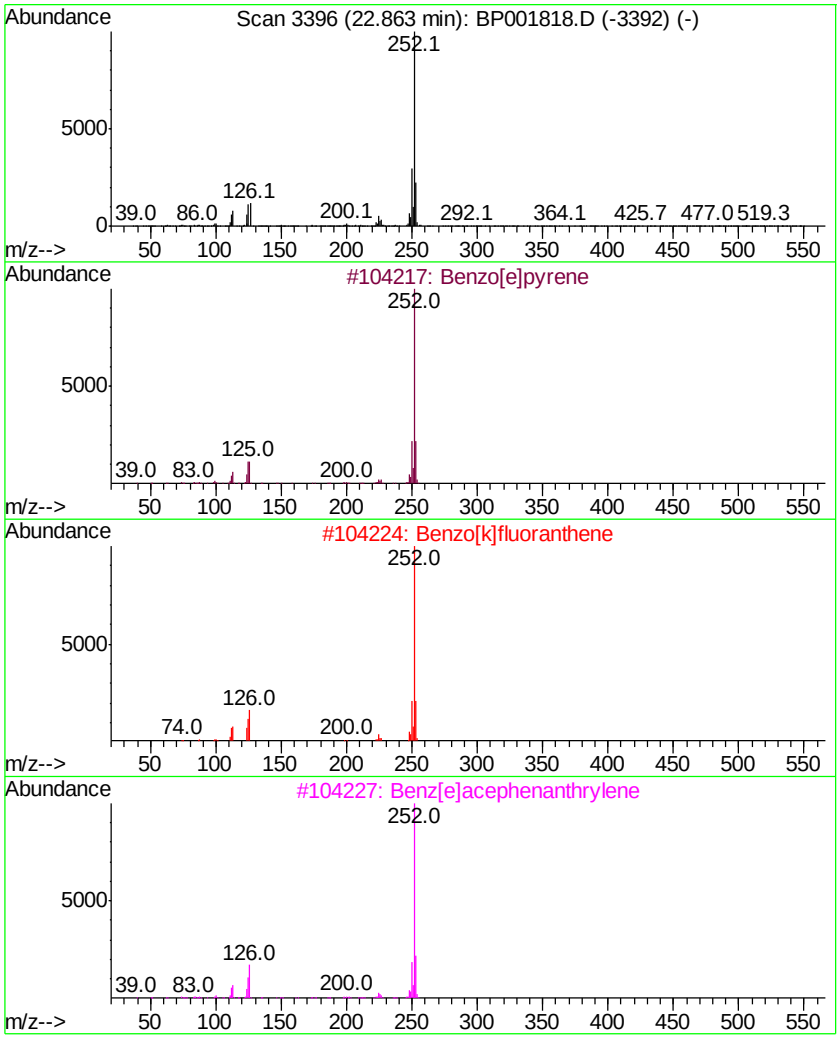
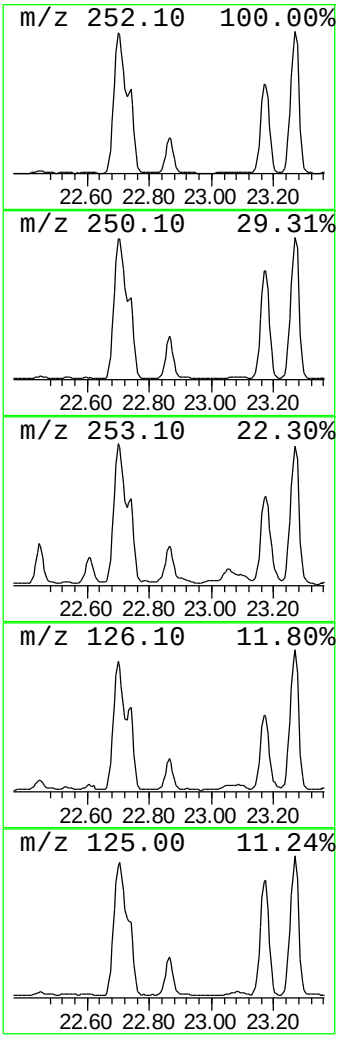
Peak Number 32 Benzo[e]pyrene Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
22.86	11.66 ng/ul	2908050	Perylene-d12	23.36

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[e]pyrene	252	C20H12	000192-97-2	98
2	Benzo[k]fluoranthene	252	C20H12	000207-08-9	97
3	Benz[e]acephenanthrylene	252	C20H12	000205-99-2	95
4	Perylene	252	C20H12	000198-55-0	93
5	Benz[e]acephenanthrylene	252	C20H12	000205-99-2	93





Tentatively Identified Compound (LSC) summary

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Sample : L1418-20
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Instrument : BNA_P
ClientSampleId : C5AW4

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\SOM-EPA-BP021820MA.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
Butane, 2-methoxy...	2.93	25.4	ng/ul	2337010	1	7.66	1842970	20.0
Benzene, 1-etheny...	7.33	3.4	ng/ul	308369	1	7.66	1842970	20.0
Benzene, 1-propynyl-	8.19	3.1	ng/ul	285053	1	7.66	1842970	20.0
Naphthalene, 2-(1...	14.90	2.7	ng/ul	501520	3	14.29	3707670	20.0
1H-Phenalene	15.17	2.1	ng/ul	390509	3	14.29	3707670	20.0
1(2H)-Acenaphthyl...	16.02	2.3	ng/ul	501791	4	17.05	4353260	20.0
9H-Fluorene, 1-me...	16.36	2.2	ng/ul	469847	4	17.05	4353260	20.0
Acridine	17.24	2.6	ng/ul	558493	4	17.05	4353260	20.0
Phenanthrene, 2-m...	17.92	7.2	ng/ul	1559410	4	17.05	4353260	20.0
4H-Cyclopenta[def...	18.11	18.6	ng/ul	4044880	4	17.05	4353260	20.0
Phenanthrene, 1-m...	18.15	4.6	ng/ul	1000570	4	17.05	4353260	20.0
5,16[1',2']:8,13[...	18.41	5.3	ng/ul	1157940	4	17.05	4353260	20.0
9,10-Anthracenedione	18.44	2.7	ng/ul	596176	4	17.05	4353260	20.0
Phenanthrene, 2,3...	18.65	2.6	ng/ul	561261	4	17.05	4353260	20.0
Phenanthrene, 1,7...	18.70	2.7	ng/ul	589758	4	17.05	4353260	20.0
Phenanthrene, 2,5...	18.82	9.7	ng/ul	2105670	4	17.05	4353260	20.0
Naphthalene, 1-ph...	18.87	6.9	ng/ul	1497480	4	17.05	4353260	20.0
Cyclopenta(def)ph...	18.95	10.0	ng/ul	2171870	4	17.05	4353260	20.0
Pyrene, 1-methyl-	19.74	3.0	ng/ul	2893720	5	21.14	19185700	20.0
11H-Benzo[b]fluorene	19.90	4.3	ng/ul	4072690	5	21.14	19185700	20.0
11H-Benzo[a]fluor...	20.63	2.0	ng/ul	1924300	5	21.14	19185700	20.0
Benzo[b]naphtho[2...	20.79	2.3	ng/ul	2225910	5	21.14	19185700	20.0
unknown-01	20.87	4.0	ng/ul	3858000	5	21.14	19185700	20.0
Cyclopenta(cd)pyr...	21.29	2.4	ng/ul	2341770	5	21.14	19185700	20.0
Benz[a]anthracene...	21.69	3.0	ng/ul	2926780	5	21.14	19185700	20.0
Benzo[e]pyrene	22.86	11.7	ng/ul	2908050	6	23.36	4988710	20.0