LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM080315\
Data File : BM002200.D
Acq On : 03 Aug 2015 16:44
Operator : TP/UM
Sample : G3095-03
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C01Q7

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:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM072715.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	3.316	103	107	114	rBV	102901	133423	2.62%	0.241%
2	5.163	417	421	430	rBB	16250	32571	0.64%	0.059%
3	5.534	479	484	489	rBB	18668	25477	0.50%	0.046%
4	6.728	681	687	696	rVB	154947	260069	5.10%	0.469%
5	6.869	706	711	717	rBV	109757	160091	3.14%	0.289%
6	7.063	739	744	752	rBB	163665	257370	5.05%	0.464%
7	7.169	759	762	767	rVB	17769	24005	0.47%	0.043%
8	7.528	812	823	830	rBV	347136	532200	10.44%	0.960%
9	8.257	939	947	954	rBV	207216	325650	6.39%	0.588%
10	8.692	1015	1021	1027	rBV	150420	246290	4.83%	0.444%
11	9.410	1135	1143	1152	rVB	138633	237495	4.66%	0.429%
12	9.545	1163	1166	1172	rVB3	13801	20984	0.41%	0.038%
13	9.957	1230	1236	1243	rBV	223937	368291	7.22%	0.665%
14	10.322	1283	1298	1303	rVV	491091	838406	16.44%	1.513%
15	10.369	1303	1306	1312	rVB	35040	52632	1.03%	0.095%
16	10.469	1318	1323	1331	rVB	113718	193387	3.79%	0.349%
17	10.992	1408	1412	1417	rVB5	10777	22404	0.44%	0.040%
18	11.333	1465	1470	1475	rBV4	24251	46192	0.91%	0.083%
19	11.592	1508	1514	1519	rBV6	10272	19673	0.39%	0.036%
20	11.992	1578	1582	1588	rVB	35282	56819	1.11%	0.103%
21	12.051	1588	1592	1600	rBV5	14681	31842	0.62%	0.057%
22	12.222	1614	1621	1627	rBV	24994	55044	1.08%	0.099%
23	12.533	1669	1674	1678	rBV5	19671	35744	0.70%	0.065%
24	12.610	1683	1687	1692	rVV6	22984	39896	0.78%	0.072%
25	12.669	1694	1697	1702	rVV6	13383	28701	0.56%	0.052%
26	12.716	1702	1705	1711	rVB	48458	66498	1.30%	0.120%
27	12.792	1711	1718	1722	rBV9	20929	53599	1.05%	0.097%
28	12.957	1742	1746	1750	rBV2	33489	55362	1.09%	0.100%
29	13.027	1754	1758	1761	rBV4	12846	20459	0.40%	0.037%
30	13.363	1811	1815	1817	rBV4	22742	36596	0.72%	0.066%
31	13.516	1837	1841	1848	rVB4	37764	74622	1.46%	0.135%
32	13.616	1852	1858	1863	rVV	387347	623366	12.22%	1.125%
33	13.669	1863	1867	1873	rVB2	191637	296430	5.81%	0.535%
34	13.733	1873	1878	1880	rBV5	21509	38648	0.76%	0.070%

LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM080315\
Data File : BM002200.D
Acq On : 03 Aug 2015 16:44
Operator : TP/UM
Sample : G3095-03
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C01Q7

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:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM072715.M
Title : SVOA CALIBRATION

35	13.845	1893	1897	1900	rBV4	21869	35477	0.70%	0.064%
36	13.898	1900	1906	1910	rBV	447065	697973	13.69%	1.260%
37	14.021	1923	1927	1934	rVB3	103079	166855	3.27%	0.301%
38	14.098	1935	1940	1944	rBV5	38742	63585	1.25%	0.115%
39	14.157	1946	1950	1953	rVV4	43475	77366	1.52%	0.140%
40	14.210	1953	1959	1965	rVB2	769336	1180659	23.15%	2.131%
41	14.269	1965	1969	1977	rBV	131632	233844	4.59%	0.422%
42	14.457	1996	2001	2006	rVB	121005	191731	3.76%	0.346%
43	14.521	2009	2012	2017	rVB4	26689	36967	0.72%	0.067%
44	14.610	2023	2027	2030	rVB	61103	80557	1.58%	0.145%
45	14.727	2043	2047	2055	rVB9	36203	69040	1.35%	0.125%
46	14.827	2060	2064	2072	rBV8	49086	137048	2.69%	0.247%
47	14.986	2087	2091	2097	rBV3	64197	117686	2.31%	0.212%
48	15.204	2123	2128	2133	rBV	540306	769084	15.08%	1.388%
49	15.263	2133	2138	2142	rVV	110429	156829	3.08%	0.283%
50	15.363	2152	2155	2162	rVB5	50265	99727	1.96%	0.180%
51	15.468	2169	2173	2178	rBV2	56712	79313	1.56%	0.143%
52	15.945	2247	2254	2259	rVB2	187122	336777	6.60%	0.608%
53	16.621	2366	2369	2374	rVB	63067	83704	1.64%	0.151%
54	16.774	2390	2395	2404	rVB2	174436	343963	6.74%	0.621%
55	16.962	2422	2427	2431	rBV2	964840	1473012	28.88%	2.658%
56	17.010	2431	2435	2439	rVV	1587973	2172997	42.61%	3.921%
57	17.062	2439	2444	2447	rVV2	653169	903521	17.72%	1.630%
58	17.098	2447	2450	2454	rVB	357371	454468	8.91%	0.820%
59	17.374	2494	2497	2502	rVB	126235	169061	3.32%	0.305%
60	17.545	2522	2526	2534	rVB3	120405	247238	4.85%	0.446%
61	17.839	2572	2576	2579	rBV	233874	345609	6.78%	0.624%
62	17.886	2581	2584	2589	rVB	383433	535534	10.50%	0.966%
63	17.968	2595	2598	2603	rVB	124367	153193	3.00%	0.276%
64	18.033	2604	2609	2613	rVV3	627856	1001516	19.64%	1.807%
65	18.068	2613	2615	2624	rVB2	211662	332959	6.53%	0.601%
66	18.239	2640	2644	2649	rBV3	198156	280126	5.49%	0.506%
67	18.321	2655	2658	2659	rBV	63777	75218	1.47%	0.136%
68	18.345	2659	2662	2666	rVV	197682	250901	4.92%	0.453%
69	18.392	2667	2670	2673	rVV	156344	207287	4.06%	0.374%
70	18.427	2674	2676	2680	rVB	144797	158698	3.11%	0.286%
71	18.586	2700	2703	2709	rVB3	156943	235668	4.62%	0.425%

LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM080315\
Data File : BM002200.D
Acq On : 03 Aug 2015 16:44
Operator : TP/UM
Sample : G3095-03
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C01Q7

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:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM072715.M
Title : SVOA CALIBRATION

72	18.768	2730	2734	2738	rBV	172772	294026	5.77%	0.531%
73	18.868	2748	2751	2752	rBV2	126999	132562	2.60%	0.239%
74	18.892	2752	2755	2757	rVV	127416	150574	2.95%	0.272%
75	19.045	2774	2781	2785	rBV	3576332	5099755	100.00%	9.203%
76	19.180	2800	2804	2809	rVB2	454240	627375	12.30%	1.132%
77	19.239	2812	2814	2818	rVV3	136268	166310	3.26%	0.300%
78	19.380	2832	2838	2839	rBV3	1300919	1894481	37.15%	3.419%
79	19.409	2839	2843	2851	rVB	3569255	5009045	98.22%	9.039%
80	19.521	2859	2862	2865	rBV	125222	132796	2.60%	0.240%
81	19.627	2877	2880	2888	rVB3	397769	632681	12.41%	1.142%
82	19.898	2922	2926	2931	rVB	573080	1060996	20.80%	1.915%
83	19.945	2931	2934	2937	rBV	311906	351953	6.90%	0.635%
84	20.003	2941	2944	2948	rVV	374627	424023	8.31%	0.765%
85	20.168	2970	2972	2975	rVB	242654	243649	4.78%	0.440%
86	20.250	2984	2986	2990	rVB2	310247	303761	5.96%	0.548%
87	20.492	3024	3027	3031	rVB3	278656	297248	5.83%	0.536%
88	20.639	3049	3052	3053	rBV	209983	218859	4.29%	0.395%
89	20.821	3080	3083	3086	rBV	322102	330095	6.47%	0.596%
90	20.856	3087	3089	3092	rBV	237258	249281	4.89%	0.450%
91	21.174	3137	3143	3147	rBV2	2304576	4835224	94.81%	8.726%
92	21.215	3147	3150	3159	rVB	1926428	2669534	52.35%	4.817%
93	21.333	3167	3170	3174	rVB	432899	472569	9.27%	0.853%
94	21.674	3224	3228	3231	rBV2	877450	1115191	21.87%	2.012%
95	21.815	3248	3252	3258	rBV3	1174970	1671489	32.78%	3.016%
96	21.968	3275	3278	3281	rBV3	526835	604432	11.85%	1.091%
97	22.727	3402	3407	3411	rBV	1574666	3132964	61.43%	5.654%
98	23.191	3482	3486	3490	rBV	549625	894796	17.55%	1.615%
99	23.286	3498	3502	3511	rVB	1273899	2218893	43.51%	4.004%
100	23.380	3514	3518	3522	rVB	591754	914404	17.93%	1.650%

Sum of corrected areas: 55414393

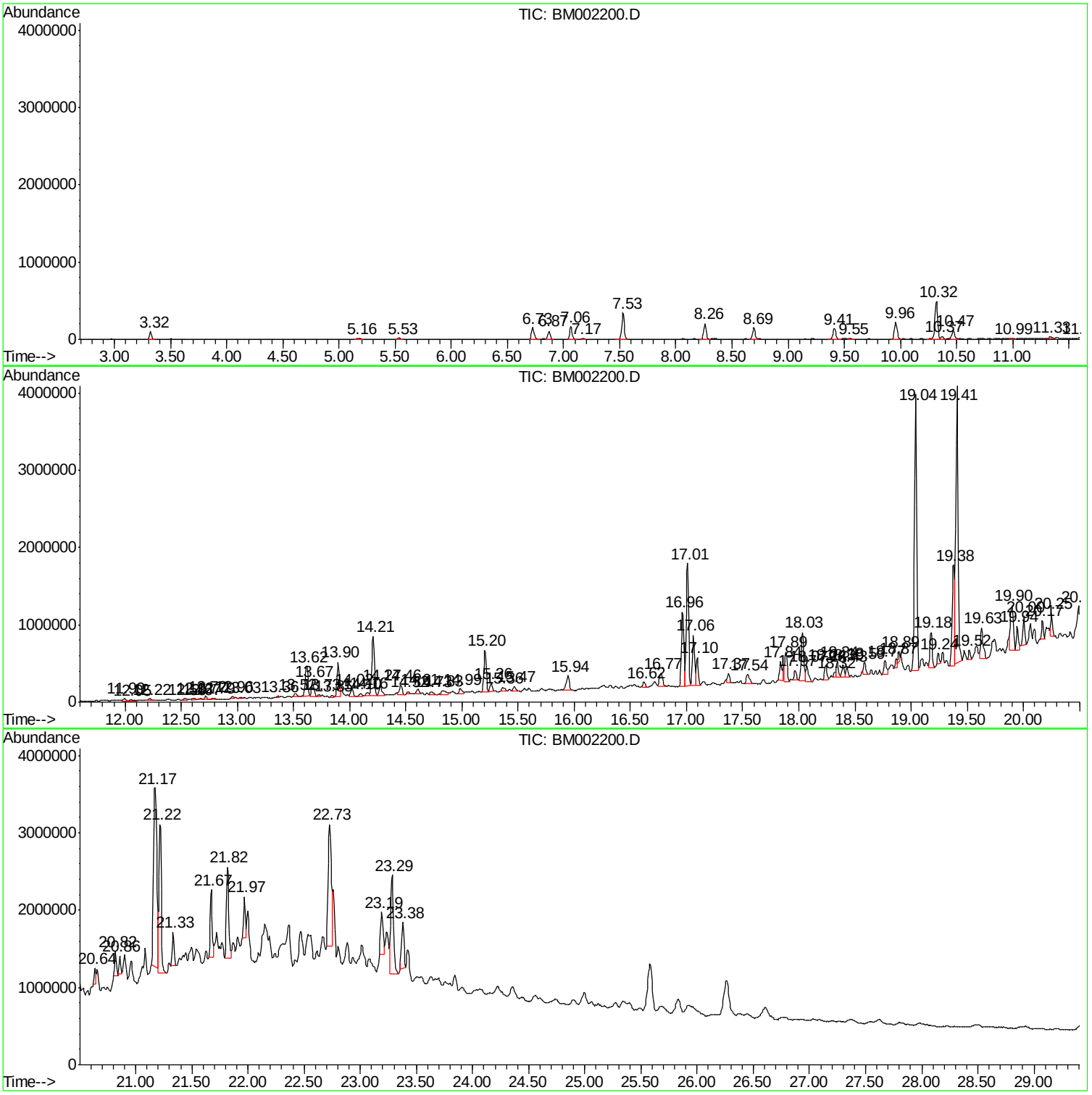
LSC Report - Integrated Chromatogram

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM080315\
Data File : BM002200.D
Acq On : 03 Aug 2015 16:44
Operator : TP/UM
Sample : G3095-03
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C01Q7

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM072715.M
Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P



Data Path : Z:\HPCHEM1\BNA_M\DATA\BM080315\
Data File : BM002200.D
Acq On : 03 Aug 2015 16:44
Operator : TP/UM
Sample : G3095-03
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C01Q7

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM072715.M
Quant Title : SVOA CALIBRATION

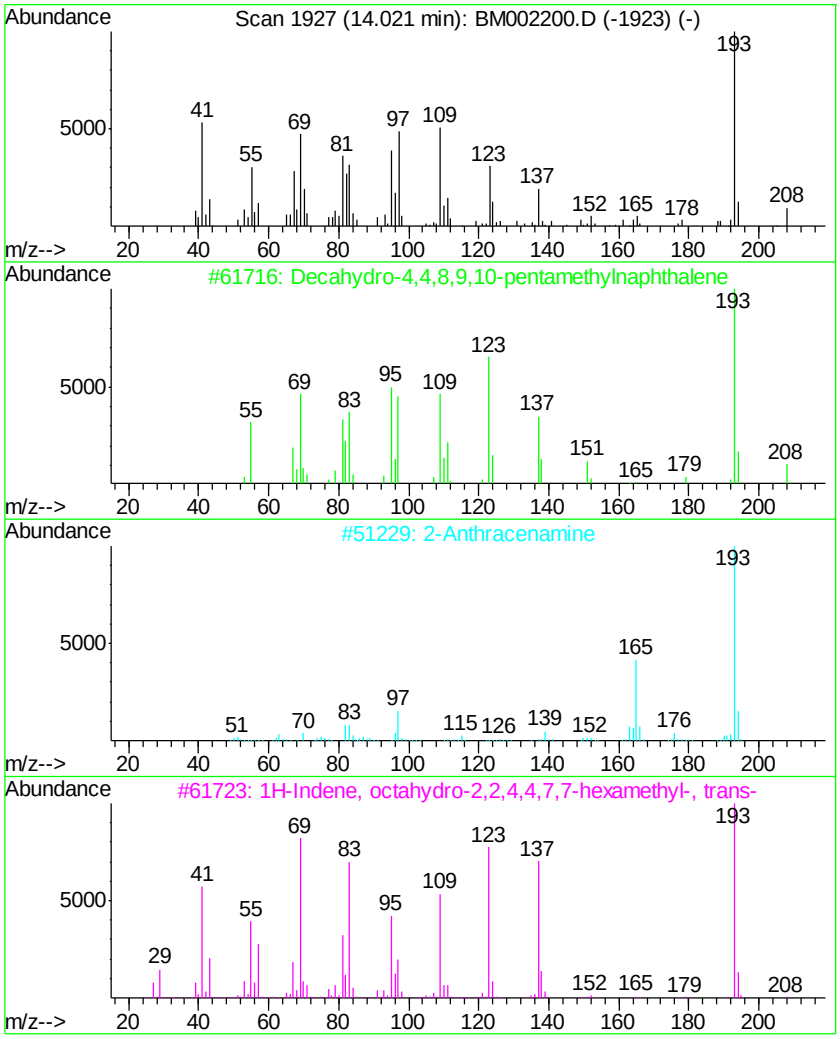
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

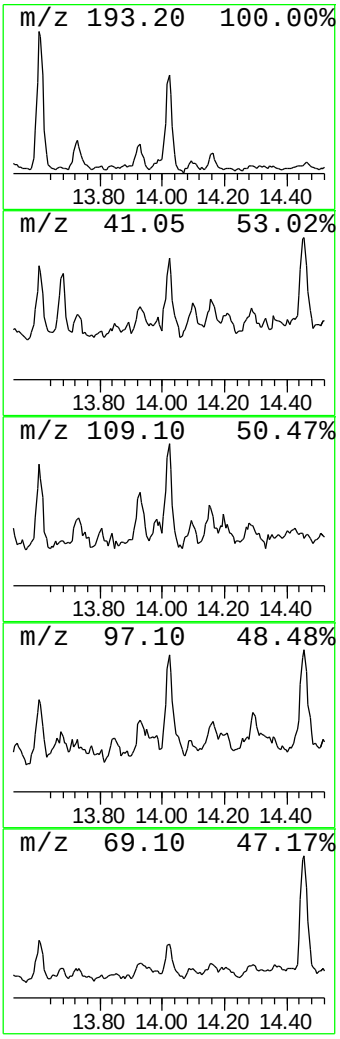
****

Peak Number 2 Decahydro-4,4,8,9,10-pentam... Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.02	2.83 ng/ul	166855	Acenaphthene-d10	14.21

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Decahydro-4,4,8,9,10-pentamethyl...	208	C15H28	080655-44-3	91
2	2-Anthracenamine	193	C14H11N	000613-13-8	38
3	1H-Indene, octahydro-2,2,4,4,7,7...	208	C15H28	054832-83-6	37
4	1-(P-FLUOROPHENYL)-4-PIPERIDONE	193	C11H12FNO	1000238-56-7	35
5	2-Amino-4-butylthiomethyl-6-pipe...	281	C13H23N5S	022362-21-6	22





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM080315\
Data File : BM002200.D
Acq On : 03 Aug 2015 16:44
Operator : TP/UM
Sample : G3095-03
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C01Q7

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM072715.M
Quant Title : SVOA CALIBRATION

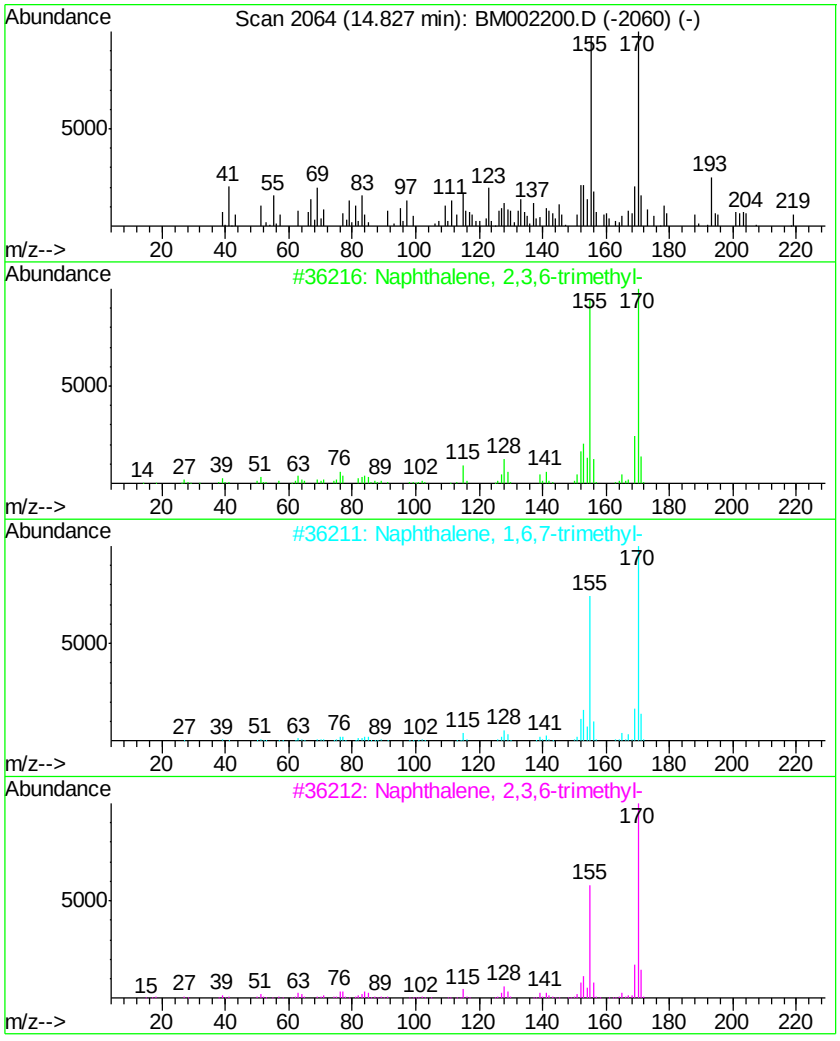
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

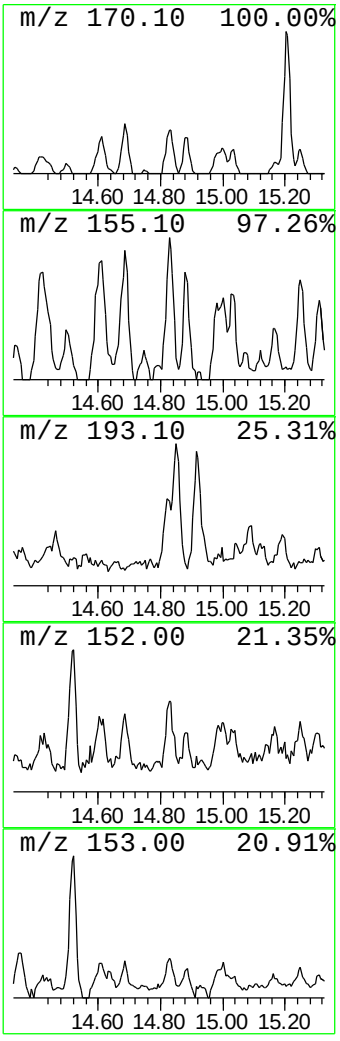
****

Peak Number 3 Naphthalene, 2,3,6-trimethyl- Concentration Rank 21

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.83	2.32 ng/ul	137048	Acenaphthene-d10	14.21

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2,3,6-trimethyl-	170	C13H14	000829-26-5	95
2	Naphthalene, 1,6,7-trimethyl-	170	C13H14	002245-38-7	94
3	Naphthalene, 2,3,6-trimethyl-	170	C13H14	000829-26-5	94
4	Naphthalene, 1,6,7-trimethyl-	170	C13H14	002245-38-7	93
5	Naphthalene, 1,4,5-trimethyl-	170	C13H14	002131-41-1	92





Data Path : Z:\HPCHEM1\BNA_M\DATA\BM080315\
Data File : BM002200.D
Acq On : 03 Aug 2015 16:44
Operator : TP/UM
Sample : G3095-03
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C01Q7

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM072715.M
Quant Title : SVOA CALIBRATION

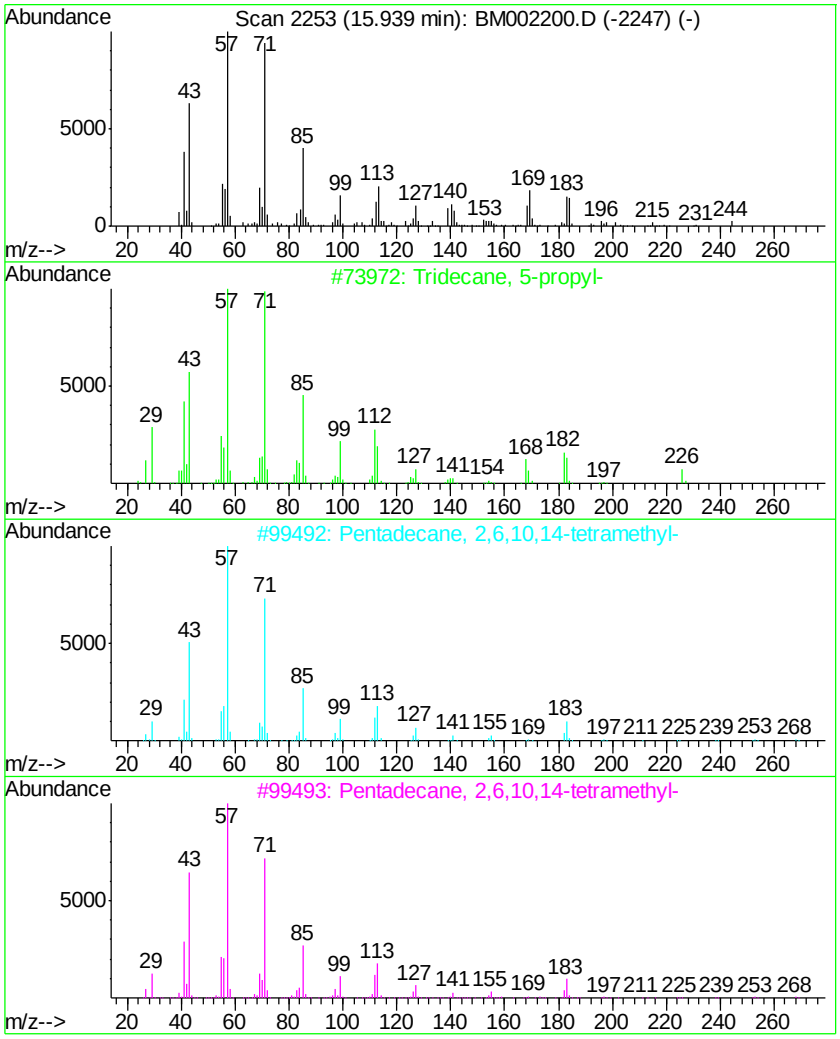
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

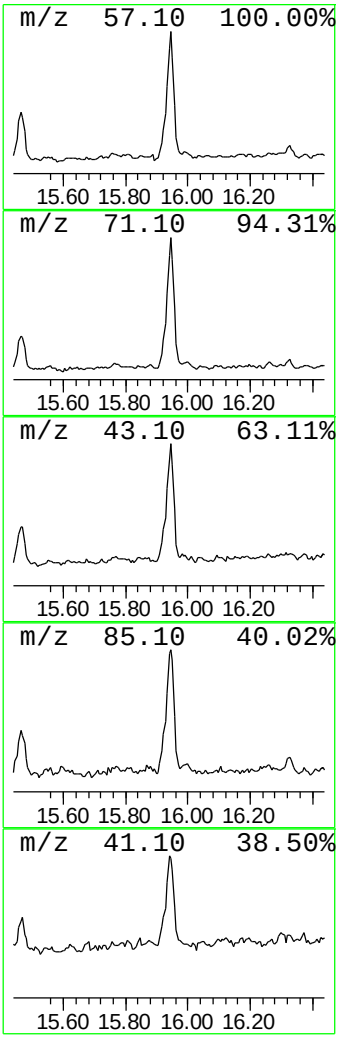
****

Peak Number 4 (DEL) Alkane: Straight-Chai... Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.94	4.57 ng/ul	336777	Phenanthrene-d10	16.96

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Tridecane, 5-propyl-	226	C16H34	055045-11-9	64
2	Pentadecane, 2,6,10,14-tetramethyl-	268	C19H40	001921-70-6	62
3	Pentadecane, 2,6,10,14-tetramethyl-	268	C19H40	001921-70-6	62
4	Dodecane, 4,6-dimethyl-	198	C14H30	061141-72-8	60
5	Dodecane, 4,6-dimethyl-	198	C14H30	061141-72-8	58





Data Path : Z:\HPCHEM1\BNA_M\DATA\BM080315\
Data File : BM002200.D
Acq On : 03 Aug 2015 16:44
Operator : TP/UM
Sample : G3095-03
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C01Q7

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM072715.M
Quant Title : SVOA CALIBRATION

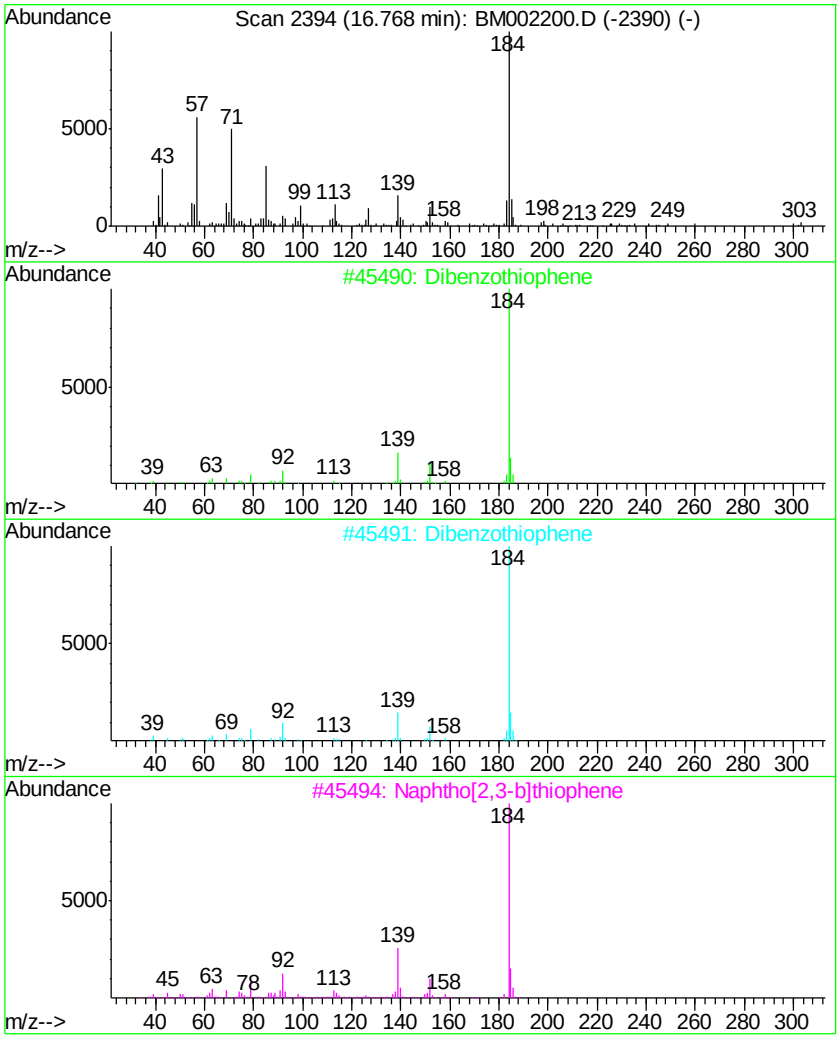
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

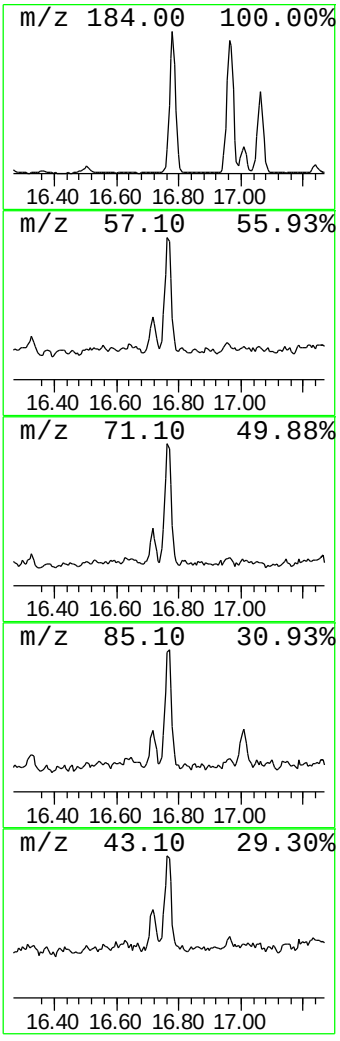
****

Peak Number 5 Dibenzothiophene Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.77	4.67 ng/ul	343963	Phenanthrene-d10	16.96

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dibenzothiophene	184	C12H8S	000132-65-0	93
2	Dibenzothiophene	184	C12H8S	000132-65-0	93
3	Naphtho[2,3-b]thiophene	184	C12H8S	000268-77-9	90
4	Azuleno(2,1-b)thiophene	184	C12H8S	000248-13-5	90
5	Dibenzothiophene	184	C12H8S	000132-65-0	87





Data Path : Z:\HPCHEM1\BNA_M\DATA\BM080315\
Data File : BM002200.D
Acq On : 03 Aug 2015 16:44
Operator : TP/UM
Sample : G3095-03
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C01Q7

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM072715.M
Quant Title : SVOA CALIBRATION

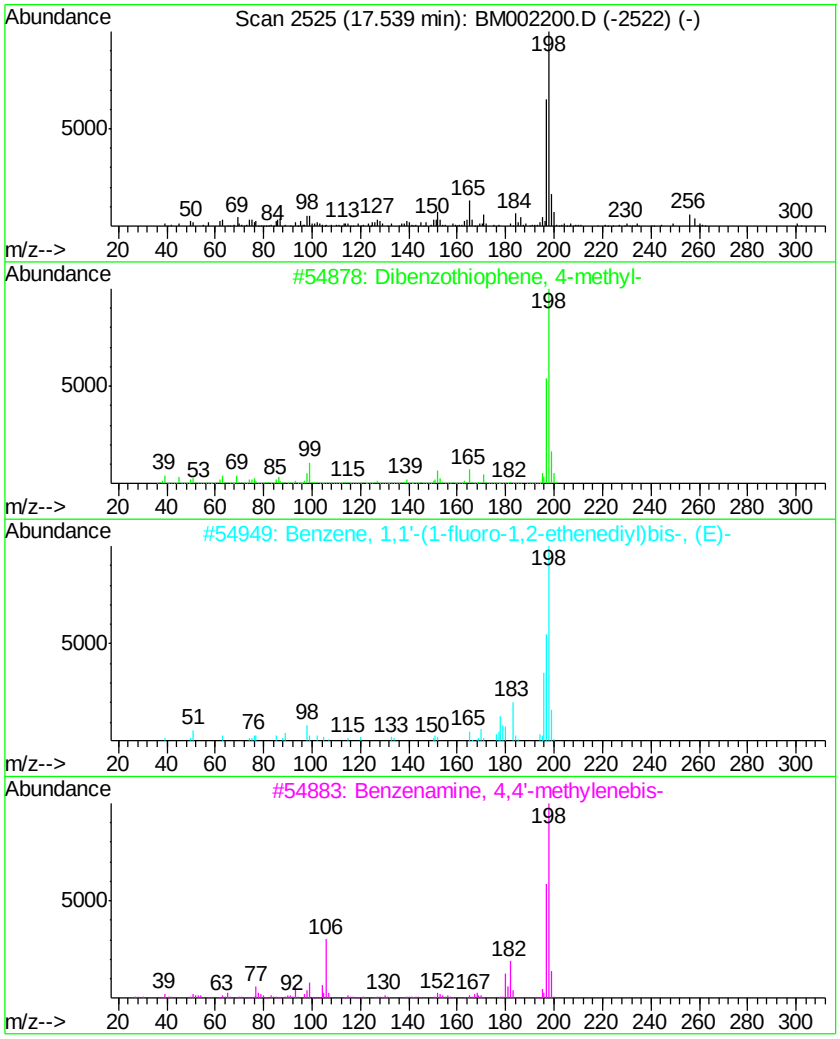
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

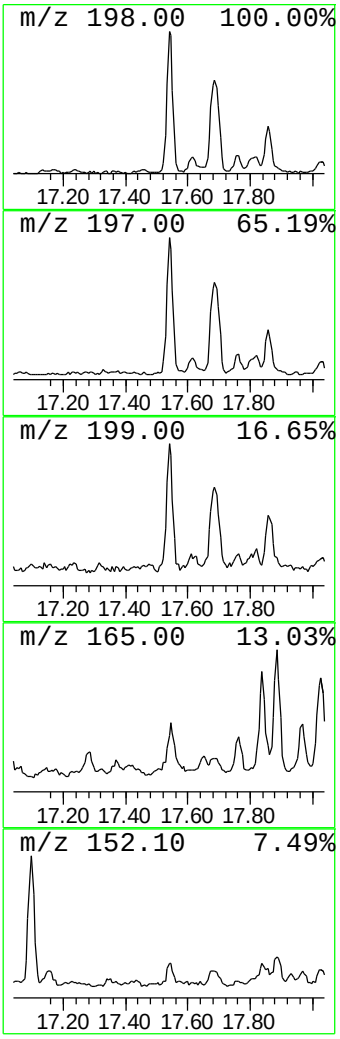
****

Peak Number 6 Dibenzothiophene, 4-methyl- Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.54	3.36 ng/ul	247238	Phenanthrene-d10	16.96

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dibenzothiophene, 4-methyl-	198	C13H10S	007372-88-5	62
2	Benzene, 1,1'-(1-fluoro-1,2-ethe...	198	C14H11F	000671-19-2	59
3	Benzenamine, 4,4'-methylenebis-	198	C13H14N2	000101-77-9	58
4	Benzene, 1-fluoro-4-(2-phenyleth...	198	C14H11F	017404-69-2	53
5	Benzenamine, 4,4'-methylenebis-	198	C13H14N2	000101-77-9	50





Library Search Compound Report

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Acq On : 03 Aug 2015 16:44
Operator : TP/UM
Sample : G3095-03
Misc :
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Instrument : BNA_M
ClientSampleId : C01Q7

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Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

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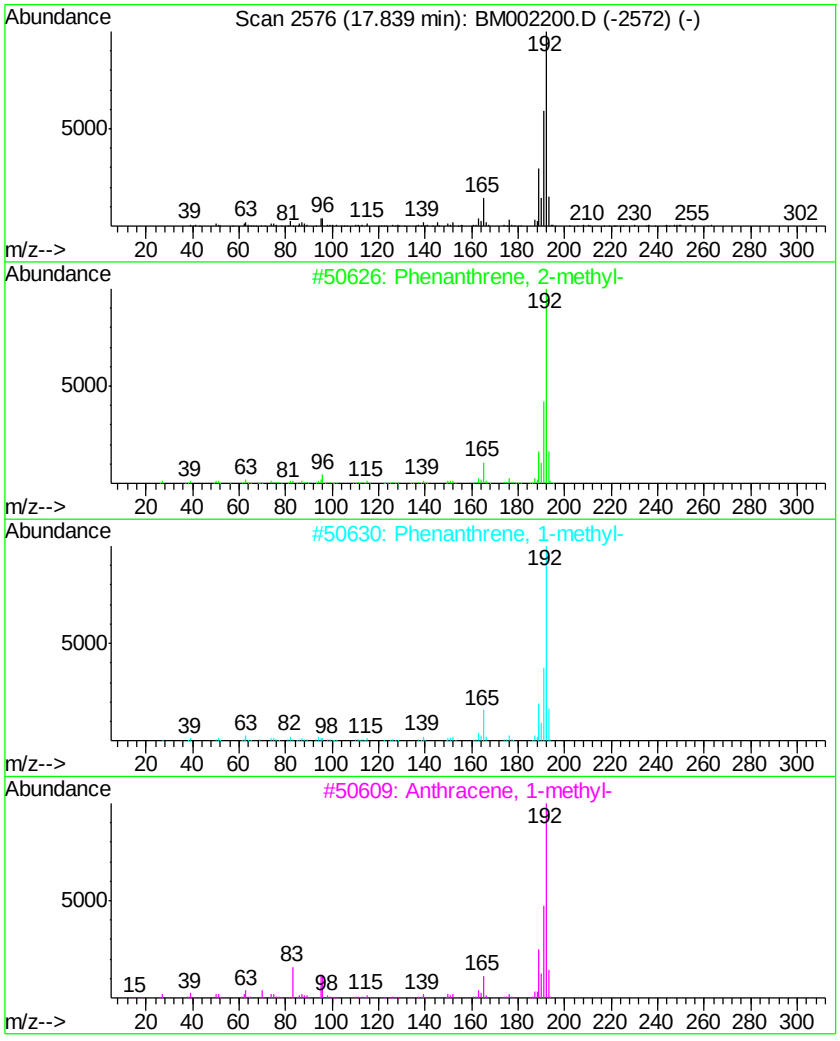
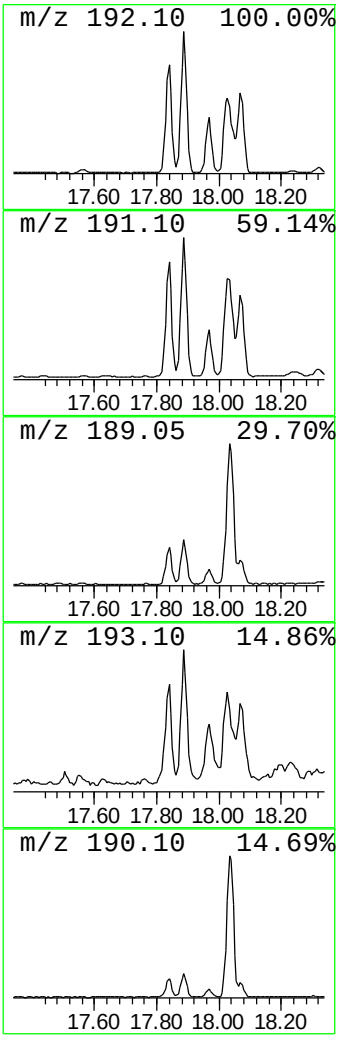
Peak Number 7 Phenanthrene, 2-methyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.84	4.69 ng/ul	345609	Phenanthrene-d10	16.96

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	95
2	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	94
3	Anthracene, 1-methyl-	192	C15H12	000610-48-0	94
4	Anthracene, 2-methyl-	192	C15H12	000613-12-7	93
5	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	91





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Instrument : BNA_M
ClientSampleId : C01Q7

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Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

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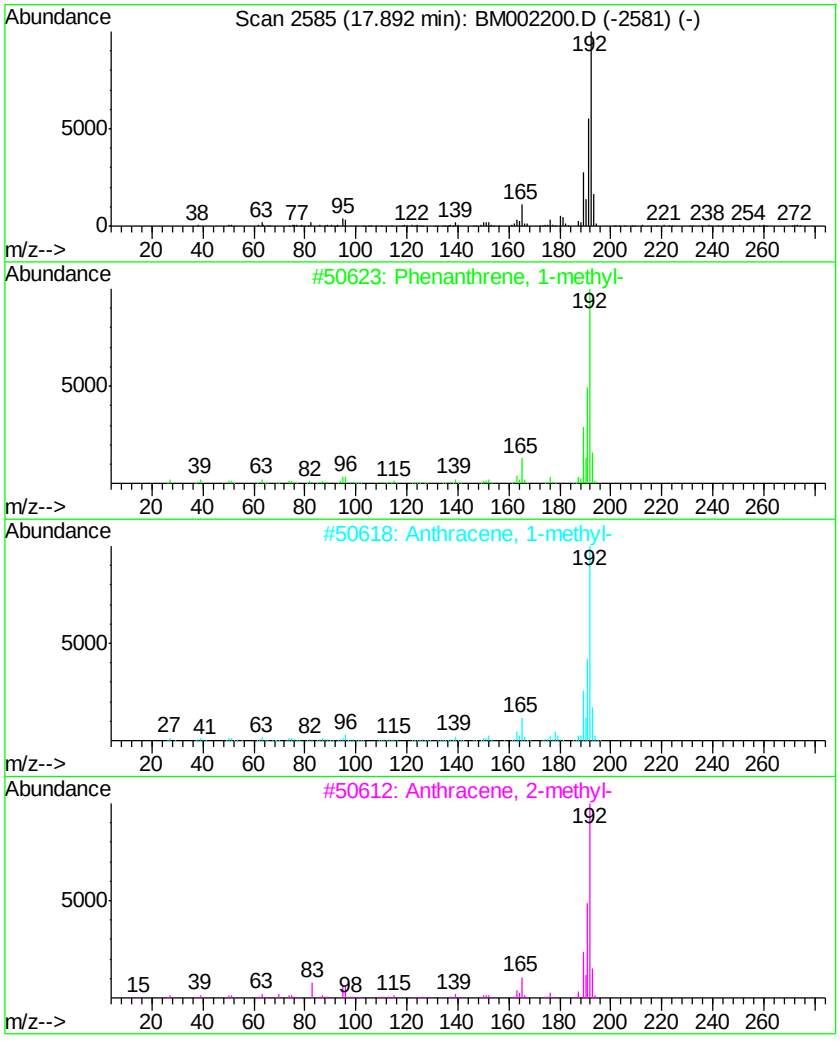
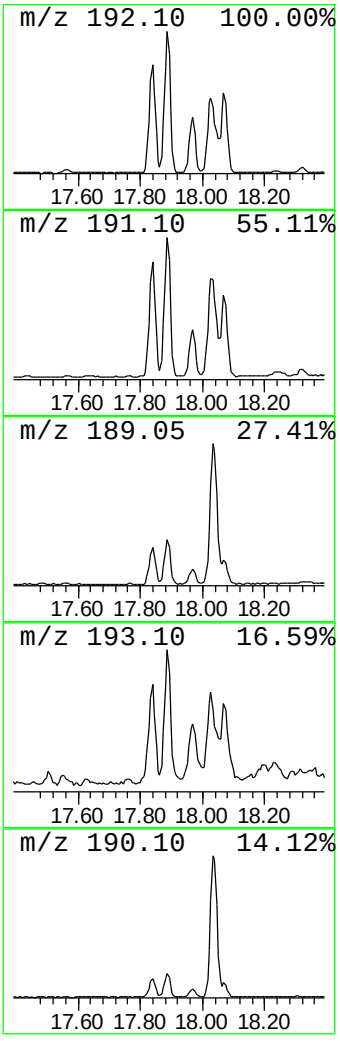
Peak Number 8 Phenanthrene, 1-methyl- Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.89	7.27 ng/ul	535534	Phenanthrene-d10	16.96

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	96
2	Anthracene, 1-methyl-	192	C15H12	000610-48-0	95
3	Anthracene, 2-methyl-	192	C15H12	000613-12-7	95
4	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	95
5	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	95





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Instrument : BNA_M
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Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

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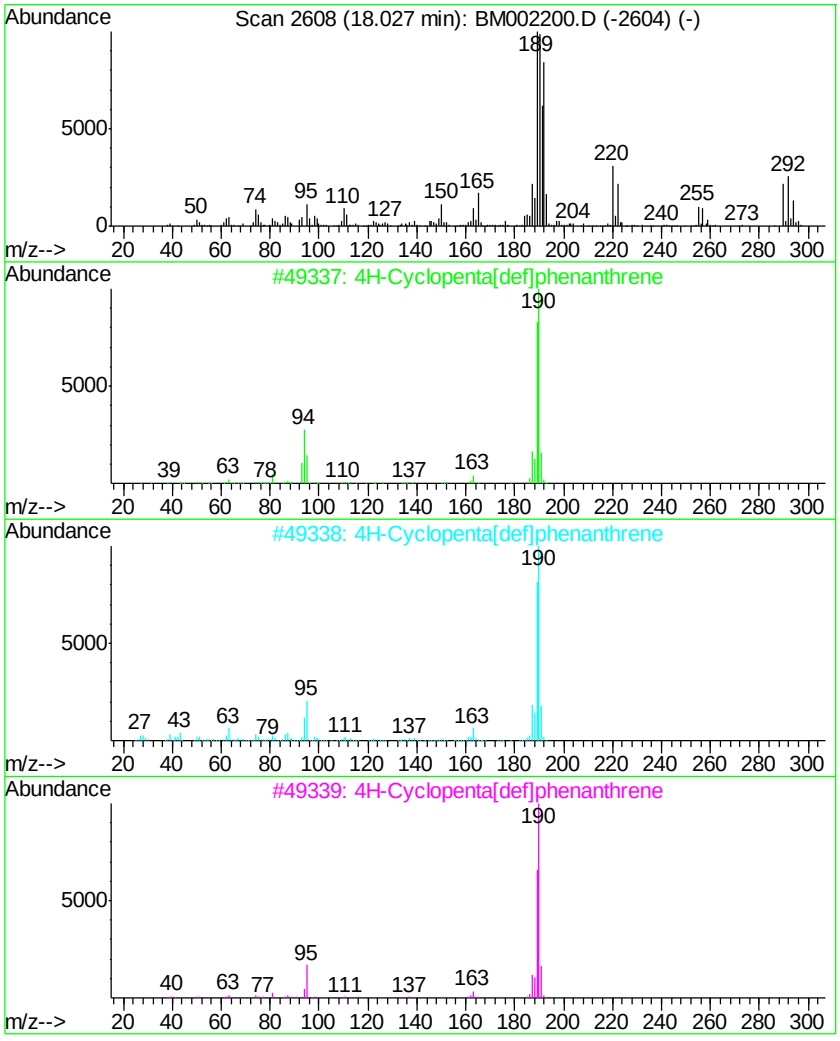
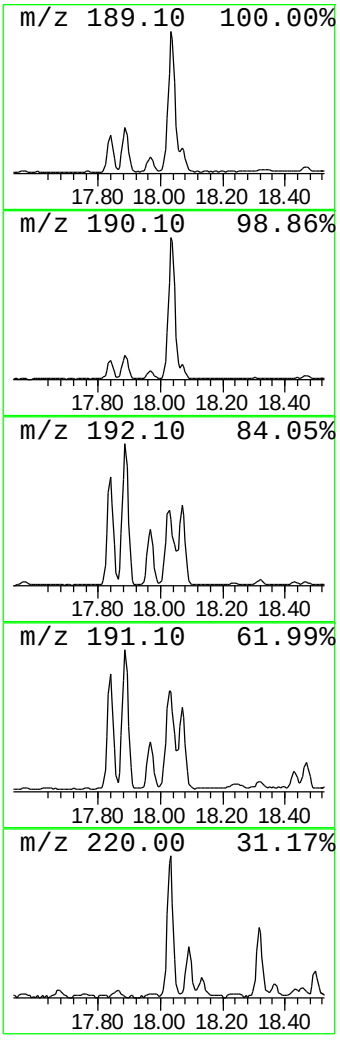
Peak Number 10 4H-Cyclopenta[def]phenanthrene Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.03	13.60 ng/ul	1001520	Phenanthrene-d10	16.96

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	55
2	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	55
3	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	46
4	2,3,5,6-Tetramethylterephthalald...	190	C12H14O2	007072-01-7	43
5	Pyrazole-4-carboxaldehyde, 3-(4-...	190	C10H7FN2O	306936-57-2	38





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Instrument : BNA_M
ClientSampleId : C01Q7

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Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

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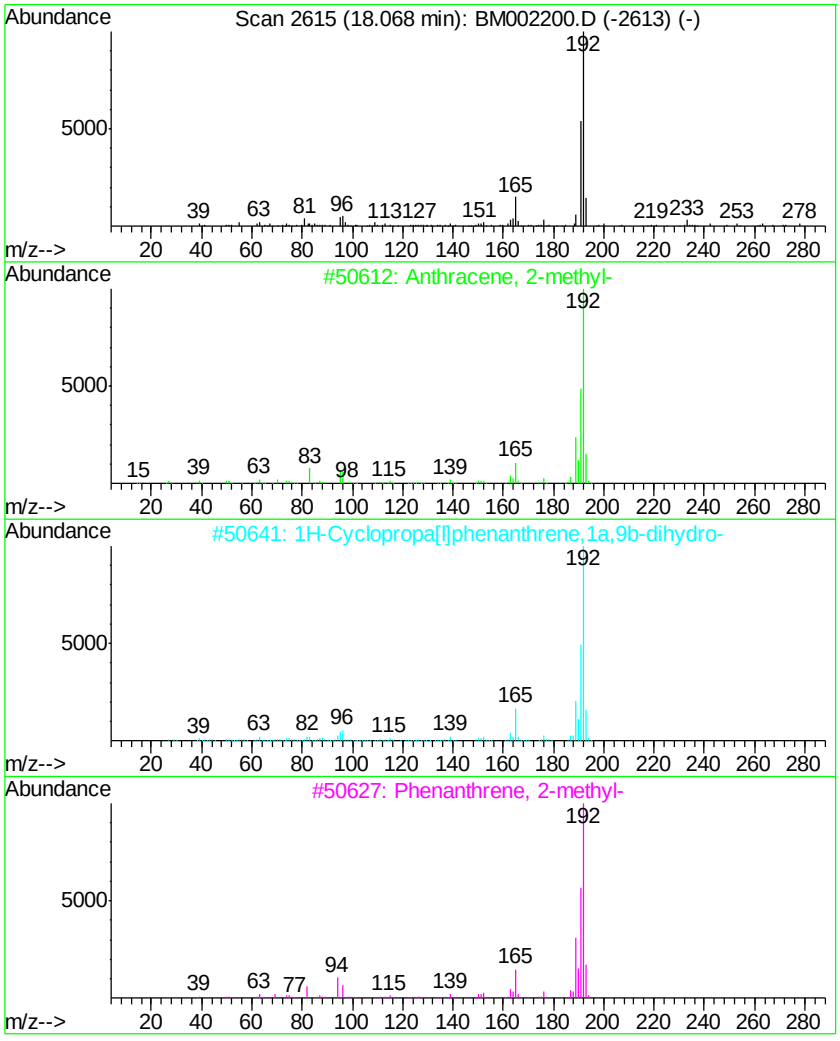
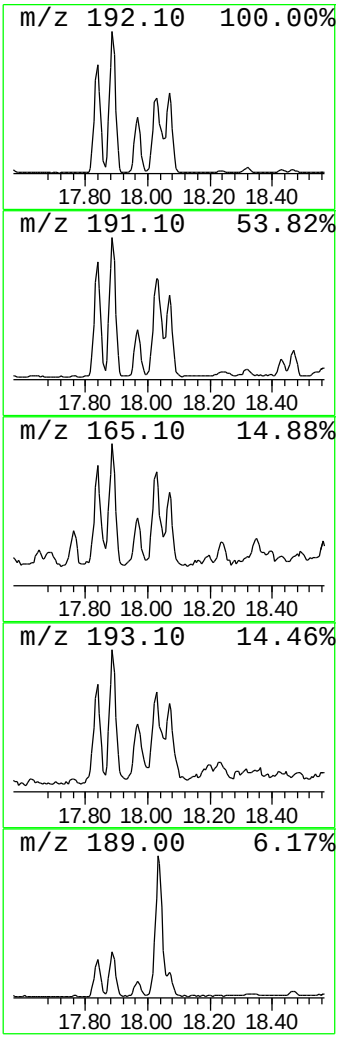
Peak Number 11 Anthracene, 2-methyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.07	4.52 ng/ul	332959	Phenanthrene-d10	16.96

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene, 2-methyl-	192	C15H12	000613-12-7	93
2	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	93
3	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	93
4	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	90
5	Anthracene, 1-methyl-	192	C15H12	000610-48-0	90





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Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

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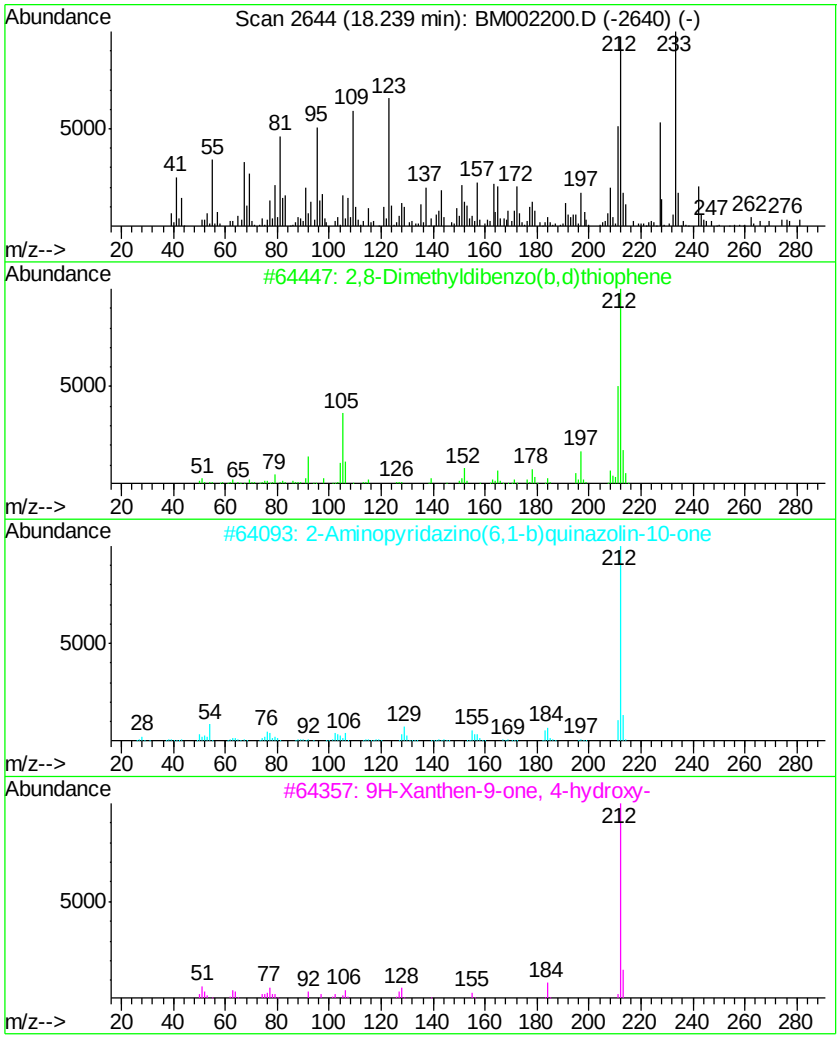
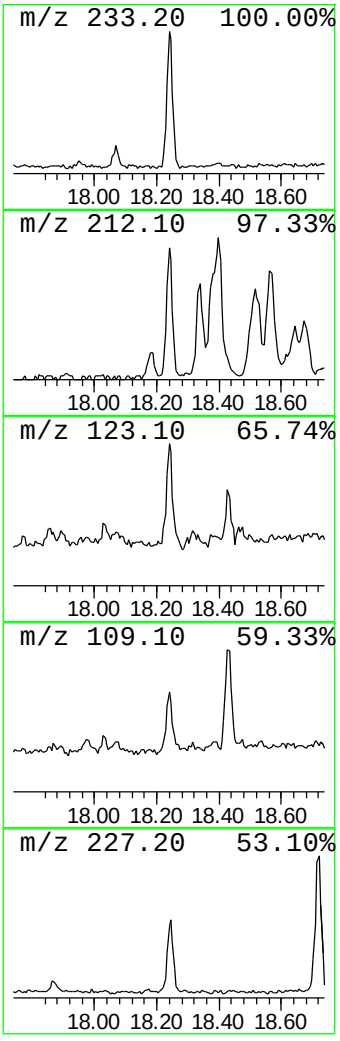
Peak Number 12 unknown-01 Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.24	3.80 ng/ul	280126	Phenanthrene-d10	16.96

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2,8-Dimethyldibenzo(b,d)thiophene	212	C14H12S	001207-15-4	35
2	2-Aminopyridazino(6,1-b)quinazol...	212	C11H8N4O	001702-99-4	25
3	9H-Xanthen-9-one, 4-hydroxy-	212	C13H8O3	014686-63-6	15
4	9H-Xanthen-9-one, 2-hydroxy-	212	C13H8O3	001915-98-6	15
5	Naphtho[2,3-b]thiophene, 4,9-dim...	212	C14H12S	016587-34-1	15





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Instrument : BNA_M
ClientSampleId : C01Q7

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Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

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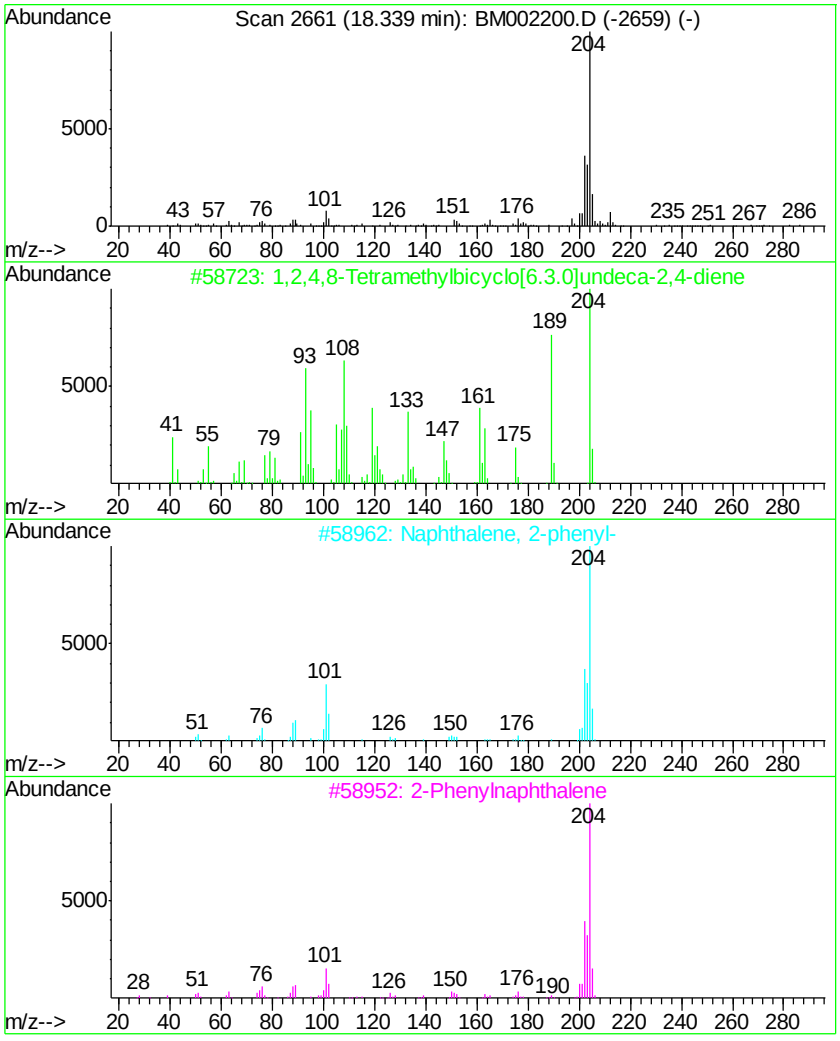
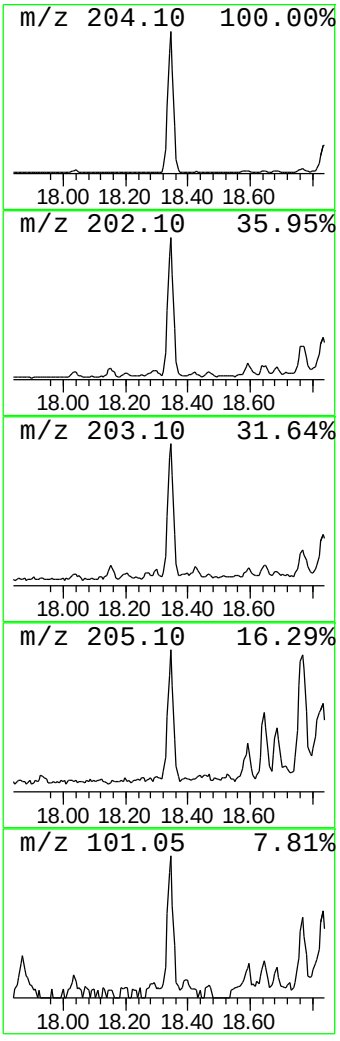
Peak Number 13 1,2,4,8-Tetramethylbicyclo[... Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.34	3.41 ng/ul	250901	Phenanthrene-d10	16.96

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,2,4,8-Tetramethylbicyclo[6.3.0...	204	C15H24	137235-51-9	90
2	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	89
3	2-Phenylnaphthalene	204	C16H12	035465-71-5	89
4	5,16[1',2']:8,13[1'',2'']-Dibenz...	408	C32H24	005672-97-9	87
5	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	81





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Instrument : BNA_M
ClientSampleId : C01Q7

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Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

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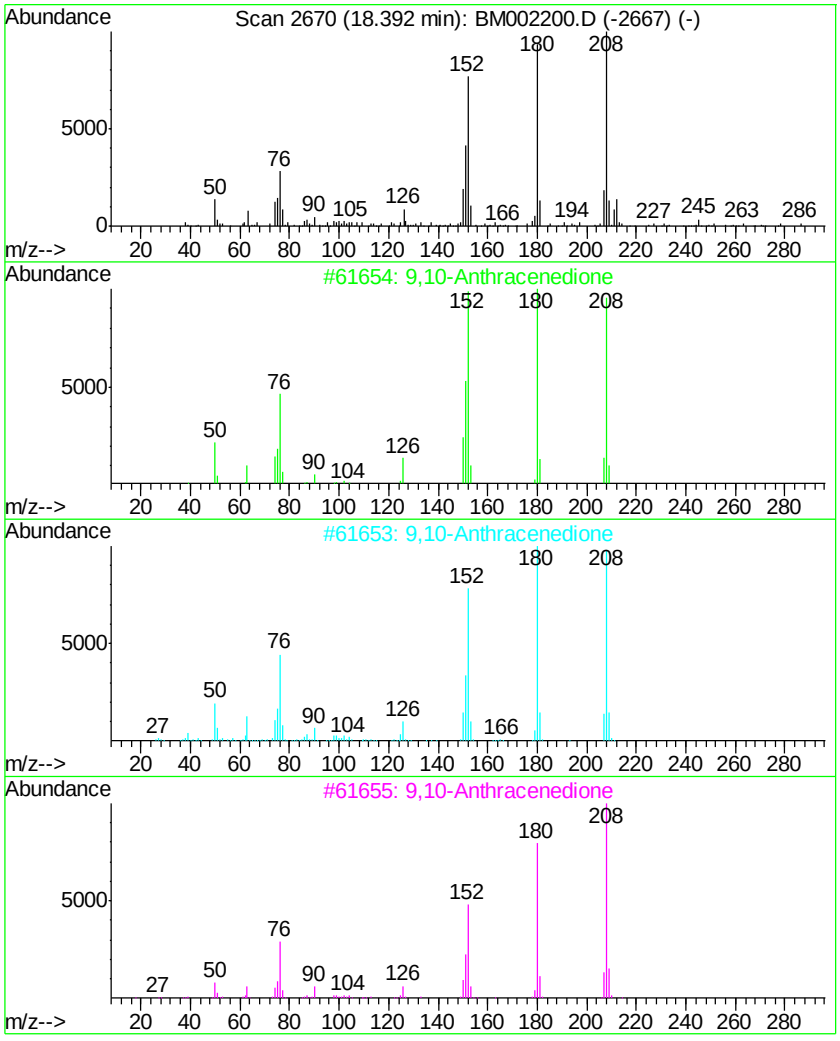
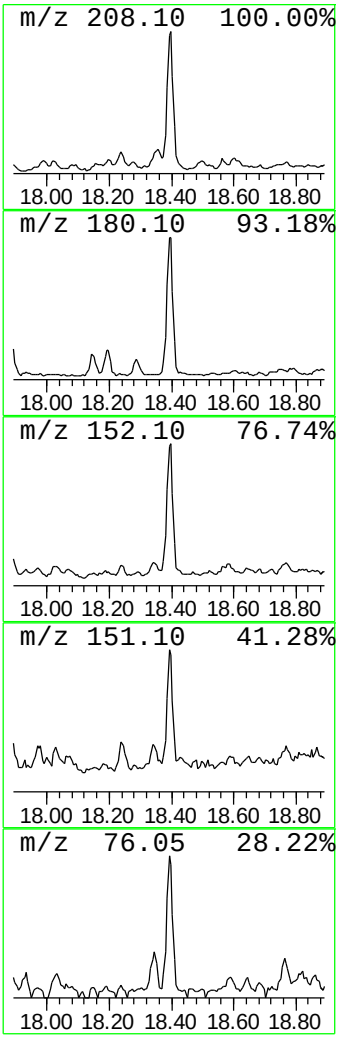
Peak Number 14 9,10-Anthracenedione Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.39	2.81 ng/ul	207287	Phenanthrene-d10	16.96

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	93
3	9,10-Anthracenedione	208	C14H8O2	000084-65-1	86
4	Benzo[c]cinnoline	180	C12H8N2	000230-17-1	64
5	Benzo[c]cinnoline	180	C12H8N2	000230-17-1	60





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Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

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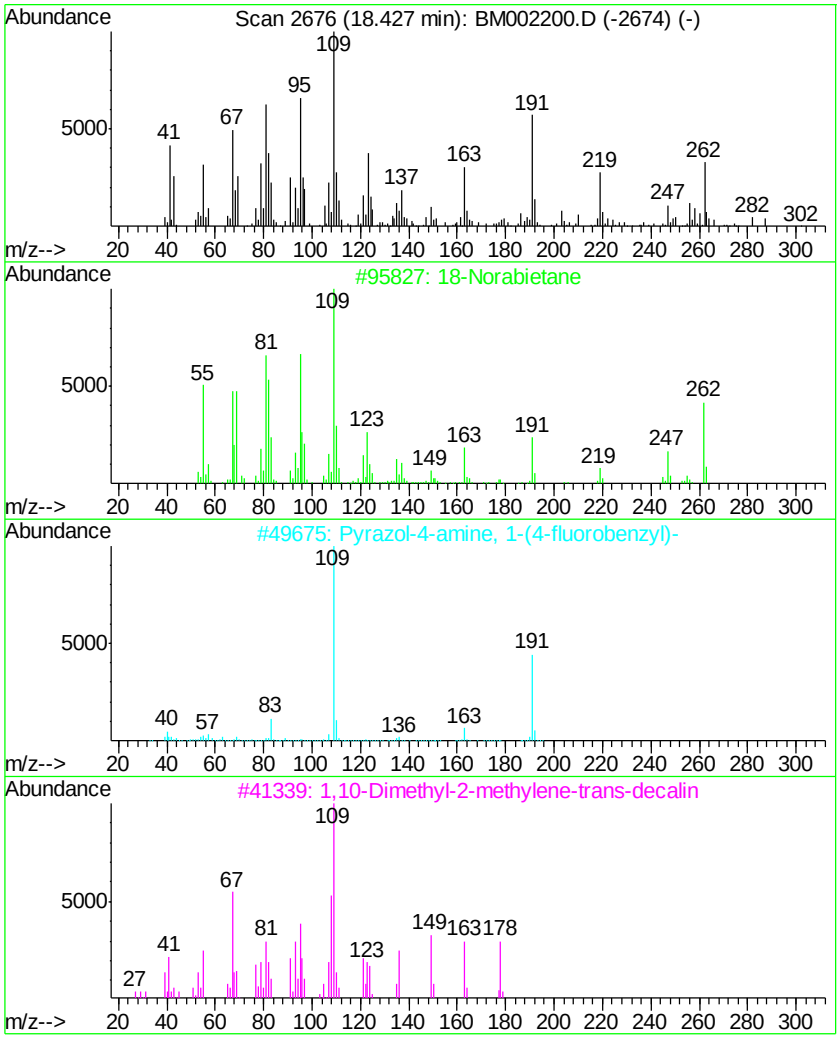
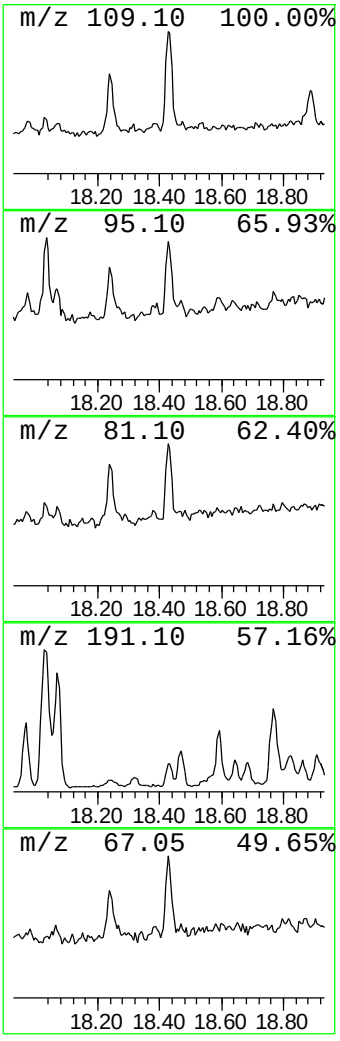
Peak Number 15 18-Norabietane Concentration Rank 22

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.43	2.15 ng/ul	158698	Phenanthrene-d10	16.96

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	18-Norabietane	262	C19H34	1000293-16-6	83
2	Pyrazol-4-amine, 1-(4-fluorobenz...	191	C10H10FN3	1000272-83-9	43
3	1,10-Dimethyl-2-methylene-trans-...	178	C13H22	1000103-97-8	35
4	Cyclohexene, 3,3,5-trimethyl-	124	C9H16	000503-45-7	22
5	Benzene, 1-(bromomethyl)-4-fluoro-	188	C7H6BrF	000459-46-1	18





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Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

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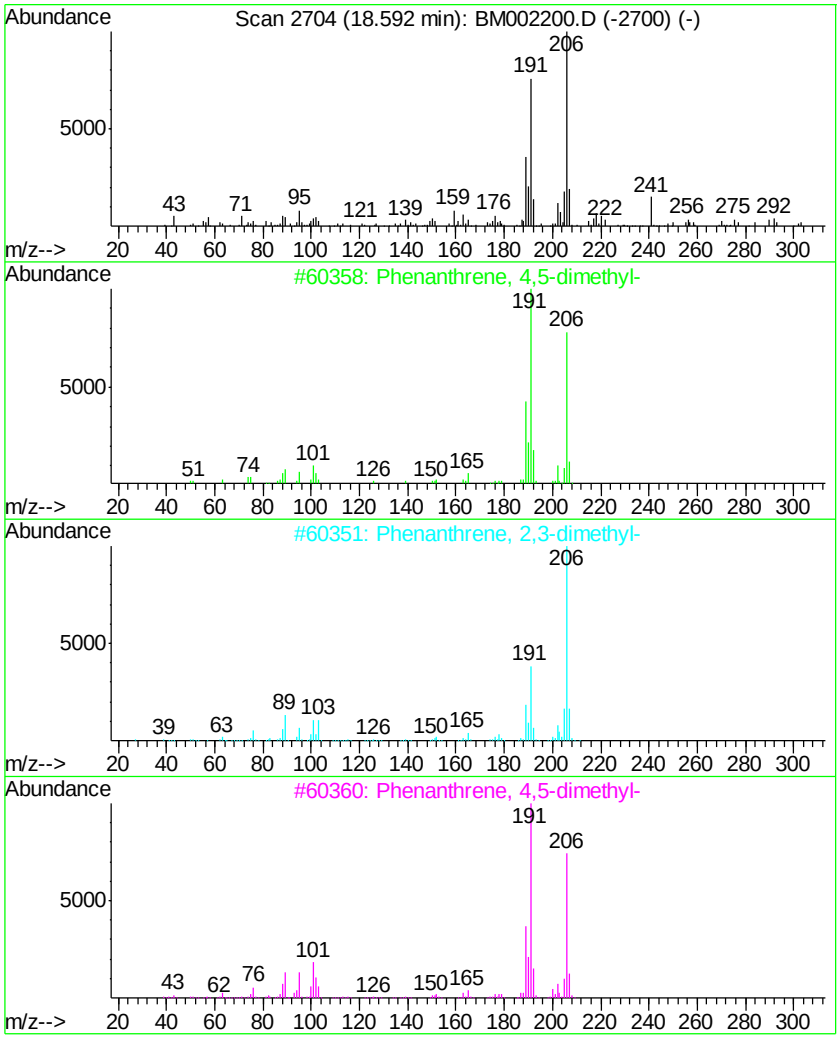
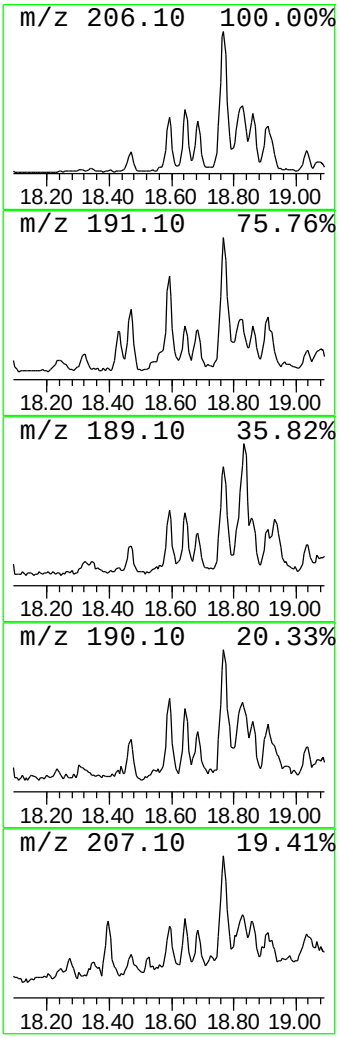
Peak Number 16 Phenanthrene, 4,5-dimethyl- Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.59	3.20 ng/ul	235668	Phenanthrene-d10	16.96

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 4,5-dimethyl-	206	C16H14	003674-69-9	83
2	Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	83
3	Phenanthrene, 4,5-dimethyl-	206	C16H14	003674-69-9	64
4	Phenanthrene, 4,5-dimethyl-	206	C16H14	003674-69-9	64
5	Phenanthrene, 4,5-dimethyl-	206	C16H14	003674-69-9	64





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Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

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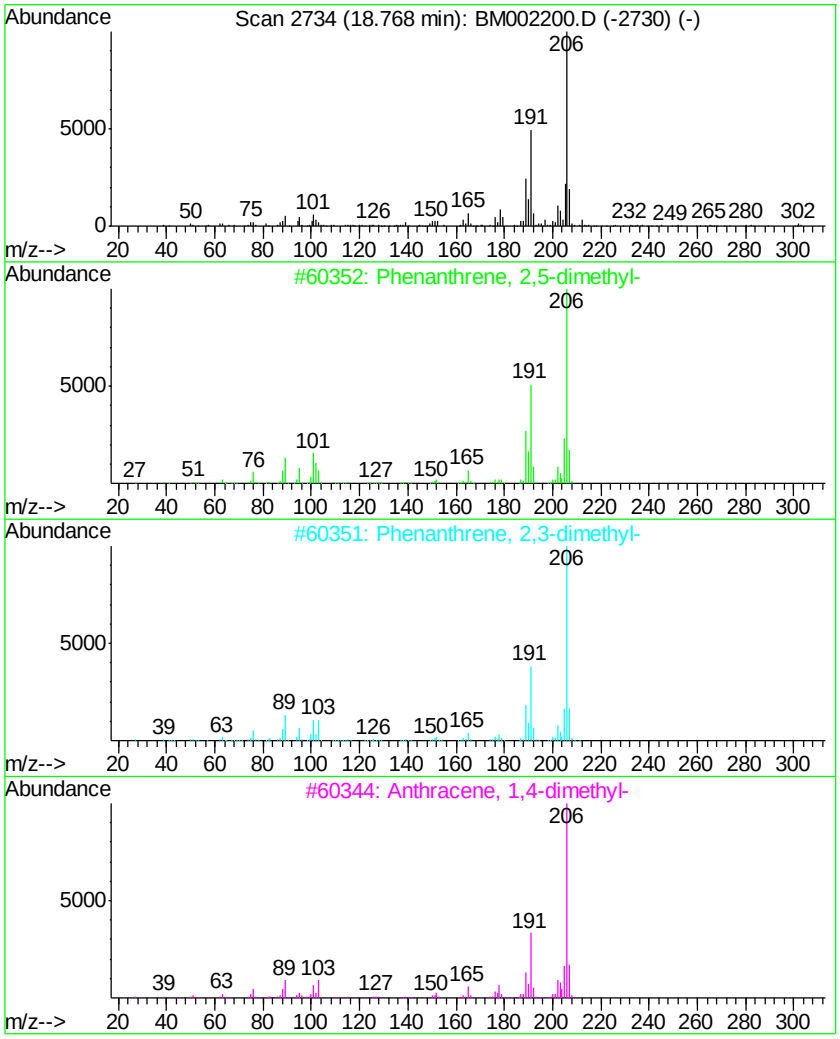
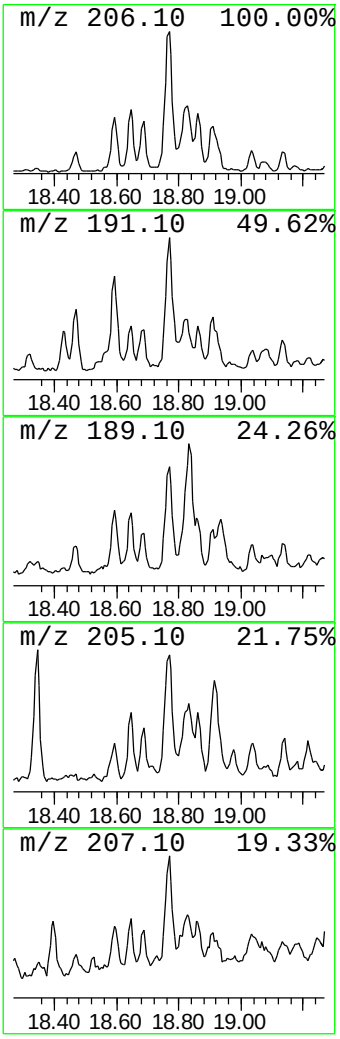
Peak Number 17 Phenanthrene, 2,5-dimethyl- Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.77	3.99 ng/ul	294026	Phenanthrene-d10	16.96

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	95
2	Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	93
3	Anthracene, 1,4-dimethyl-	206	C16H14	000781-92-0	93
4	9,10-Dimethylanthracene	206	C16H14	000781-43-1	91
5	di-p-Tolylacetylene	206	C16H14	002789-88-0	90





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Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

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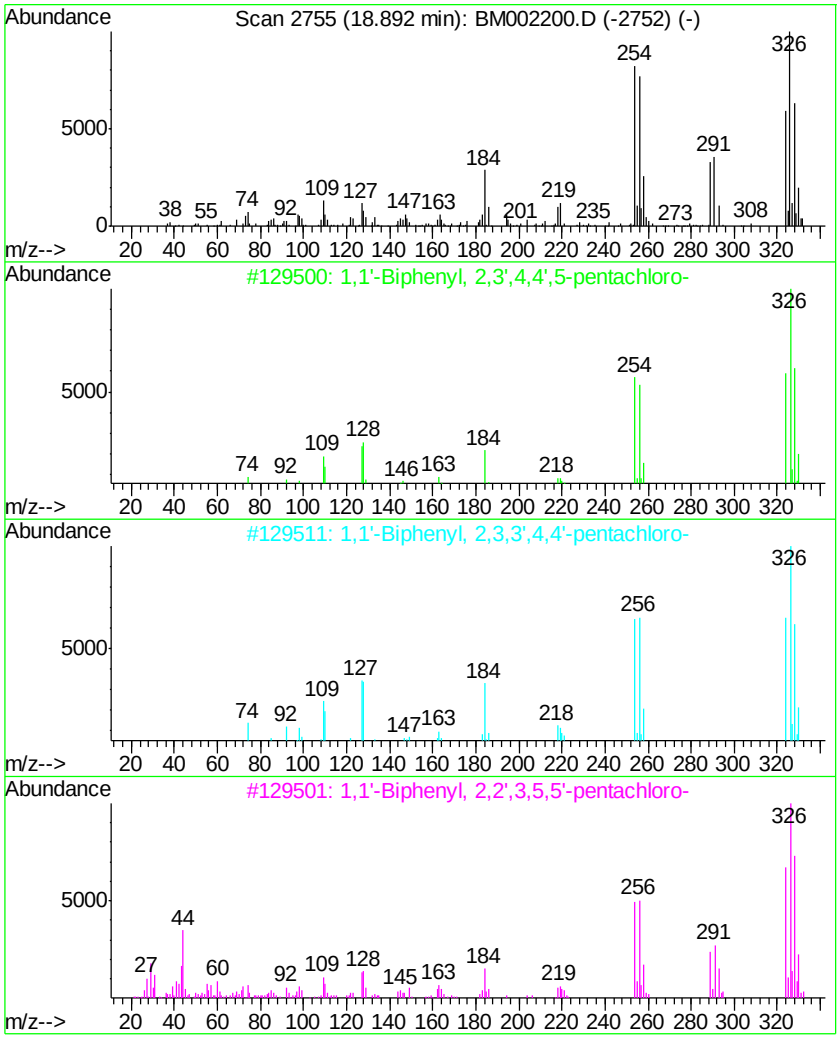
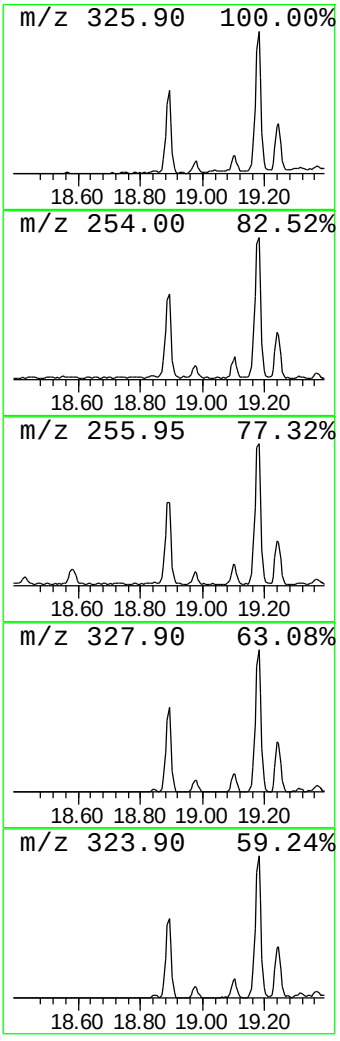
Peak Number 18 1,1'-Biphenyl, 2,3',4,4',5-... Concentration Rank 24

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.89	2.04 ng/ul	150574	Phenanthrene-d10	16.96

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,1'-Biphenyl, 2,3',4,4',5-penta...	324	C12H5Cl5	031508-00-6	95
2	1,1'-Biphenyl, 2,3,3',4,4'-penta...	324	C12H5Cl5	032598-14-4	95
3	1,1'-Biphenyl, 2,2',3,5,5'-penta...	324	C12H5Cl5	052663-61-3	94
4	1,1'-Biphenyl, 2,2',3,5,5'-penta...	324	C12H5Cl5	052663-61-3	94
5	1,1'-Biphenyl, 2,2',3,4,5'-penta...	324	C12H5Cl5	038380-02-8	94





Library Search Compound Report

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TIC Integration Parameters: LSCINT.P

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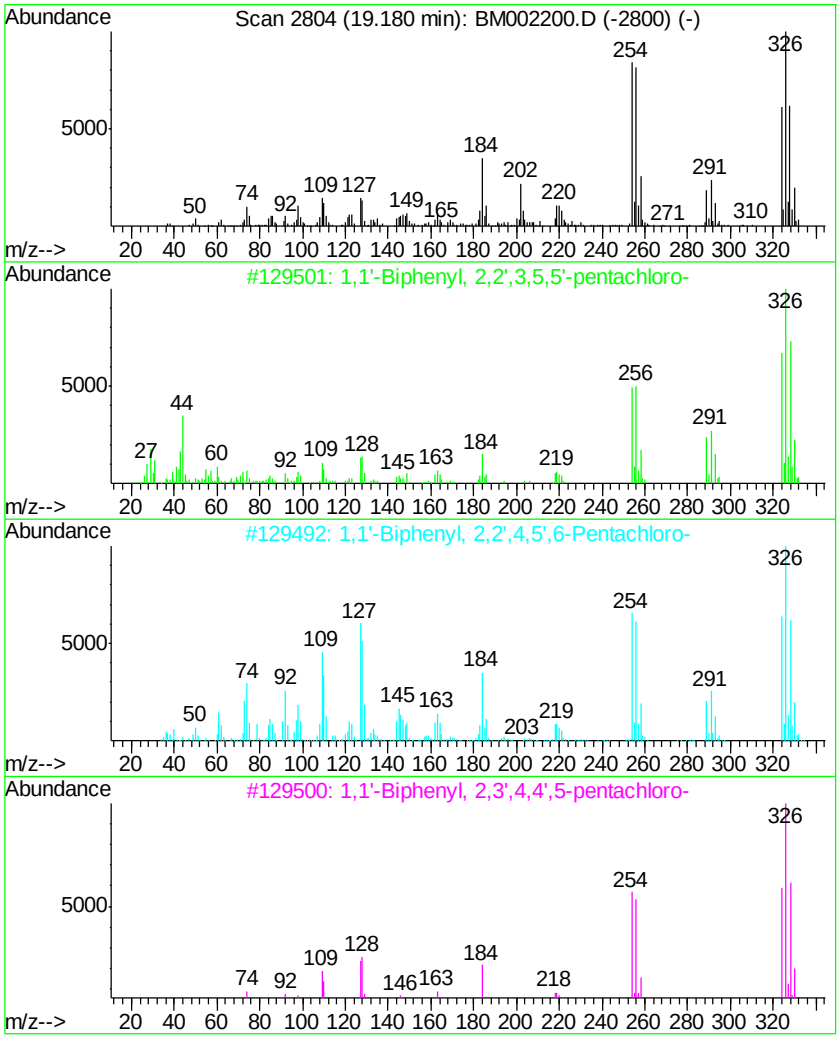
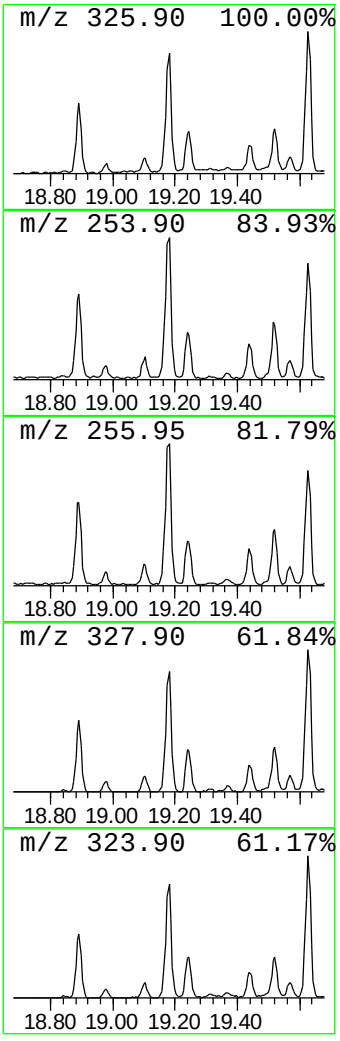
Peak Number 19 1,1'-Biphenyl, 2,2',3,5,5'-... Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.18	2.60 ng/ul	627375	Chrysene-d12	21.18

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,1'-Biphenyl, 2,2',3,5,5'-penta...	324	C12H5Cl5	052663-61-3	99
2	1,1'-Biphenyl, 2,2',4,5',6-Penta...	324	C12H5Cl5	060145-21-3	97
3	1,1'-Biphenyl, 2,3',4,4',5-penta...	324	C12H5Cl5	031508-00-6	96
4	1,1'-Biphenyl, 2,2',4,4',5-penta...	324	C12H5Cl5	038380-01-7	96
5	1,1'-Biphenyl, 2,3,3',4,6-Pentac...	324	C12H5Cl5	074472-35-8	96





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Data File : BM002200.D
Acq On : 03 Aug 2015 16:44
Operator : TP/UM
Sample : G3095-03
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C01Q7

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM072715.M
Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

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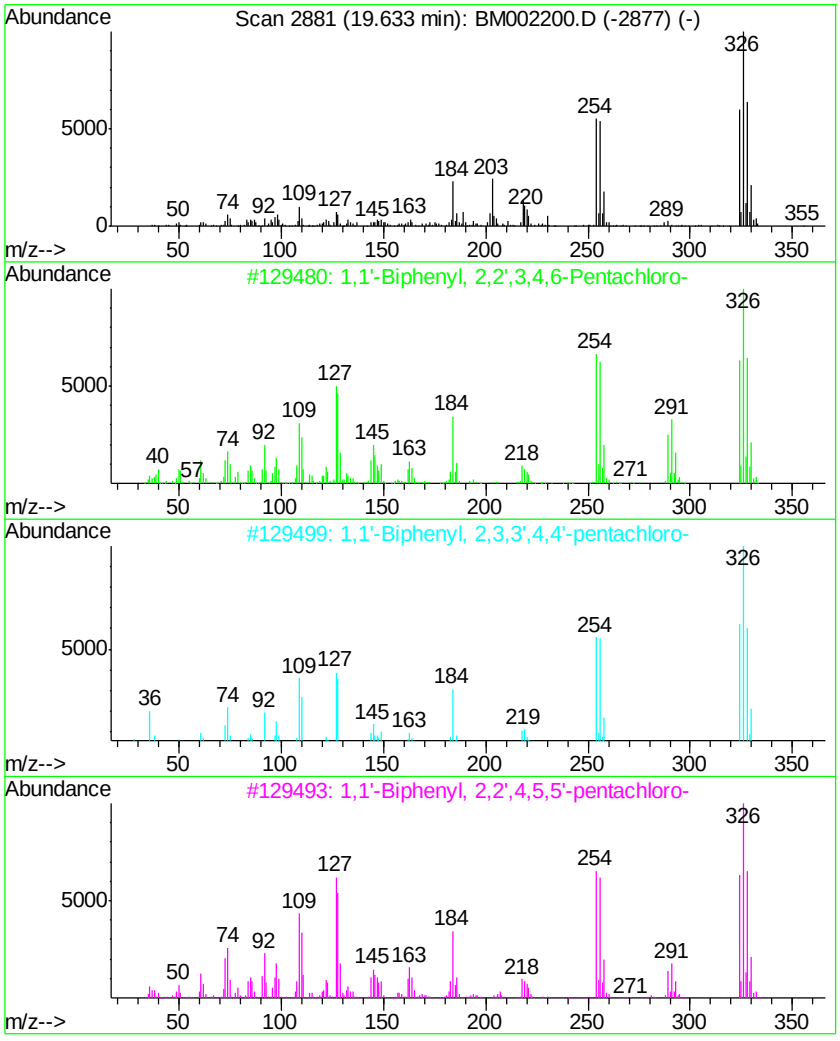
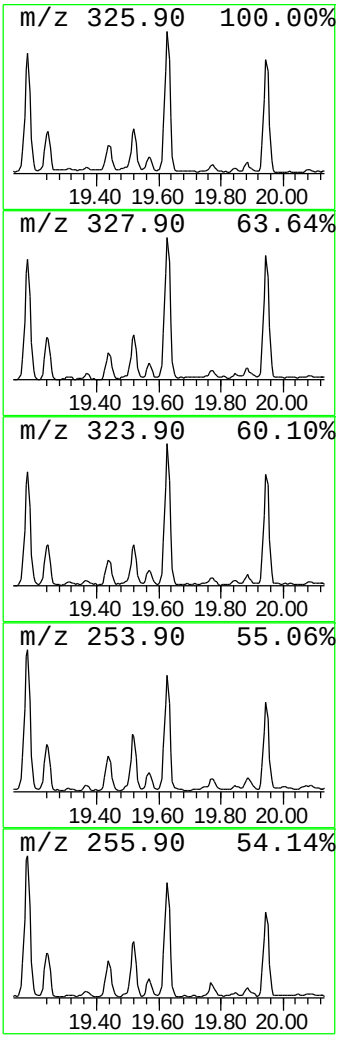
Peak Number 20 1,1'-Biphenyl, 2,2',3,4,6-P... Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.63	2.62 ng/ul	632681	Chrysene-d12	21.18

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,1'-Biphenyl, 2,2',3,4,6-Pentac...	324	C12H5Cl5	055215-17-3	95
2	1,1'-Biphenyl, 2,3,3',4,4'-penta...	324	C12H5Cl5	032598-14-4	95
3	1,1'-Biphenyl, 2,2',4,5,5'-penta...	324	C12H5Cl5	037680-73-2	95
4	1,1'-Biphenyl, 2,3,4,5,6-pentach...	324	C12H5Cl5	018259-05-7	95
5	1,1'-Biphenyl, 2,3',4,5',6-Penta...	324	C12H5Cl5	056558-18-0	95





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Data File : BM002200.D
Acq On : 03 Aug 2015 16:44
Operator : TP/UM
Sample : G3095-03
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C01Q7

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM072715.M
Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

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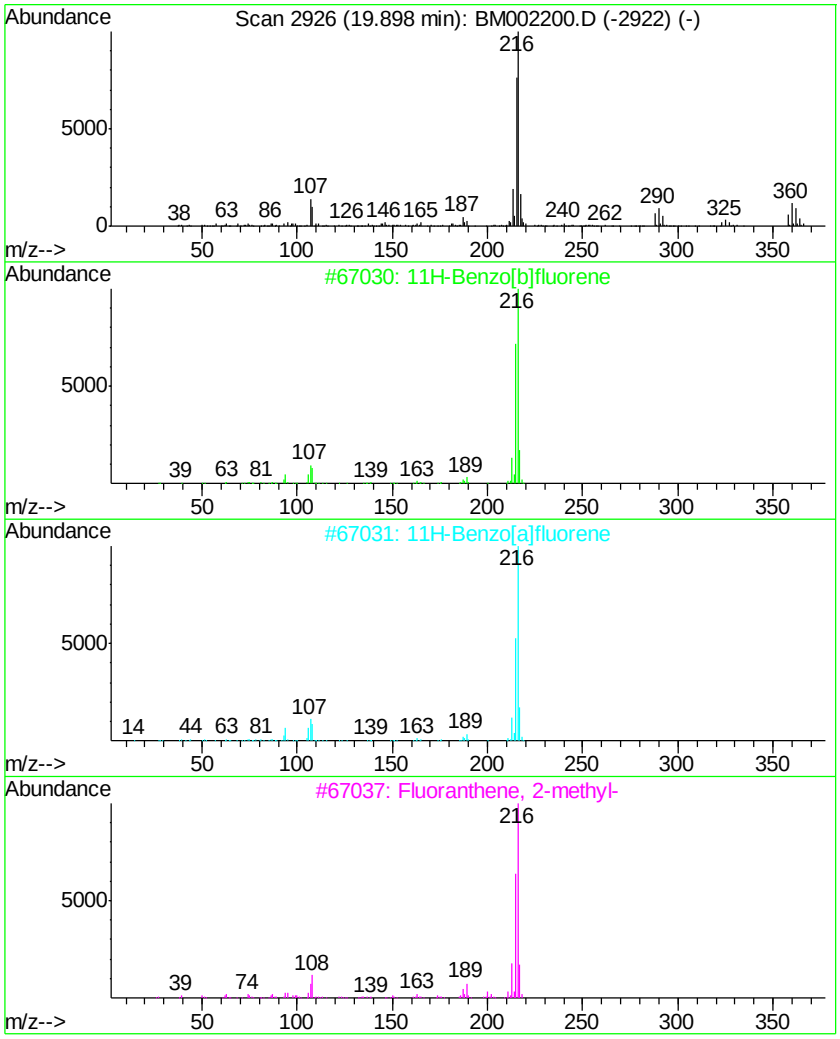
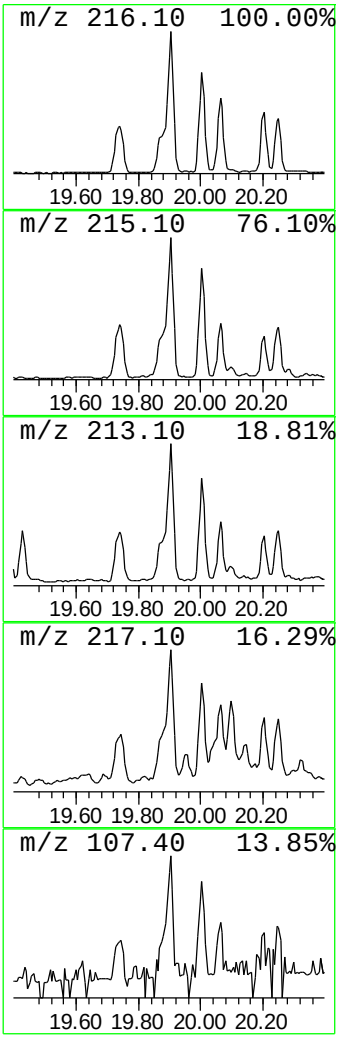
Peak Number 21 11H-Benzo[b]fluorene Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.90	4.39 ng/ul	1061000	Chrysene-d12	21.18

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	95
2	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	86
3	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	68
4	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	64
5	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	64





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Data File : BM002200.D
Acq On : 03 Aug 2015 16:44
Operator : TP/UM
Sample : G3095-03
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C01Q7

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM072715.M
Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

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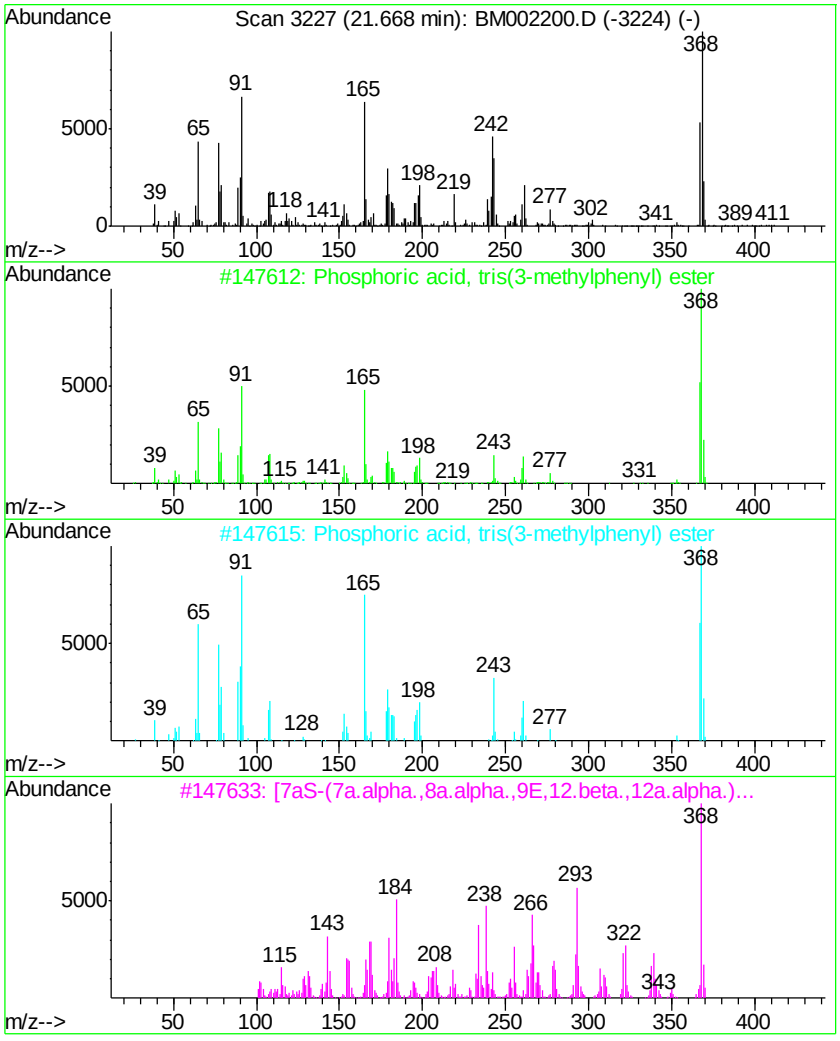
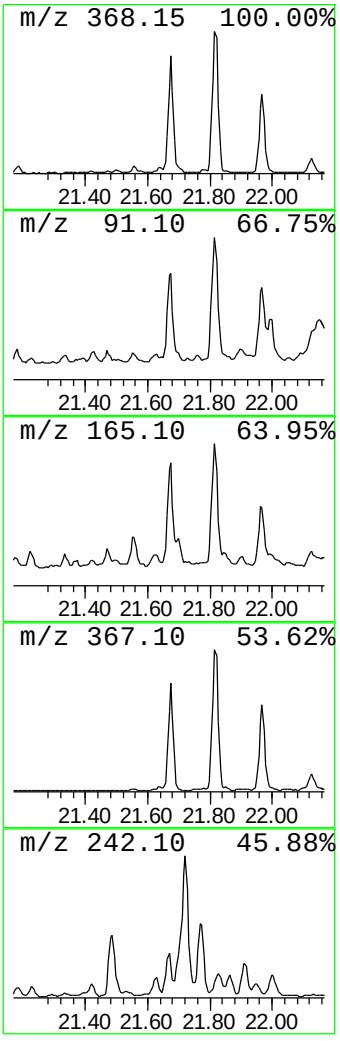
Peak Number 22 Phosphoric acid, tris(3-met... Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.67	4.61 ng/ul	1115190	Chrysene-d12	21.18

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phosphoric acid, tris(3-methylph...	368	C21H21O4P	000563-04-2	99
2	Phosphoric acid, tris(3-methylph...	368	C21H21O4P	000563-04-2	99
3	[7aS-(7a.alpha.,8a.alpha.,9E,12....	368	C21H24N2O4	030809-15-5	64
4	Phosphoric acid, tris(4-methylph...	368	C21H21O4P	000078-32-0	53
5	Phosphoric acid, tris(4-methylph...	368	C21H21O4P	000078-32-0	49





Data Path : Z:\HPCHEM1\BNA_M\DATA\BM080315\
Data File : BM002200.D
Acq On : 03 Aug 2015 16:44
Operator : TP/UM
Sample : G3095-03
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C01Q7

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM072715.M
Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

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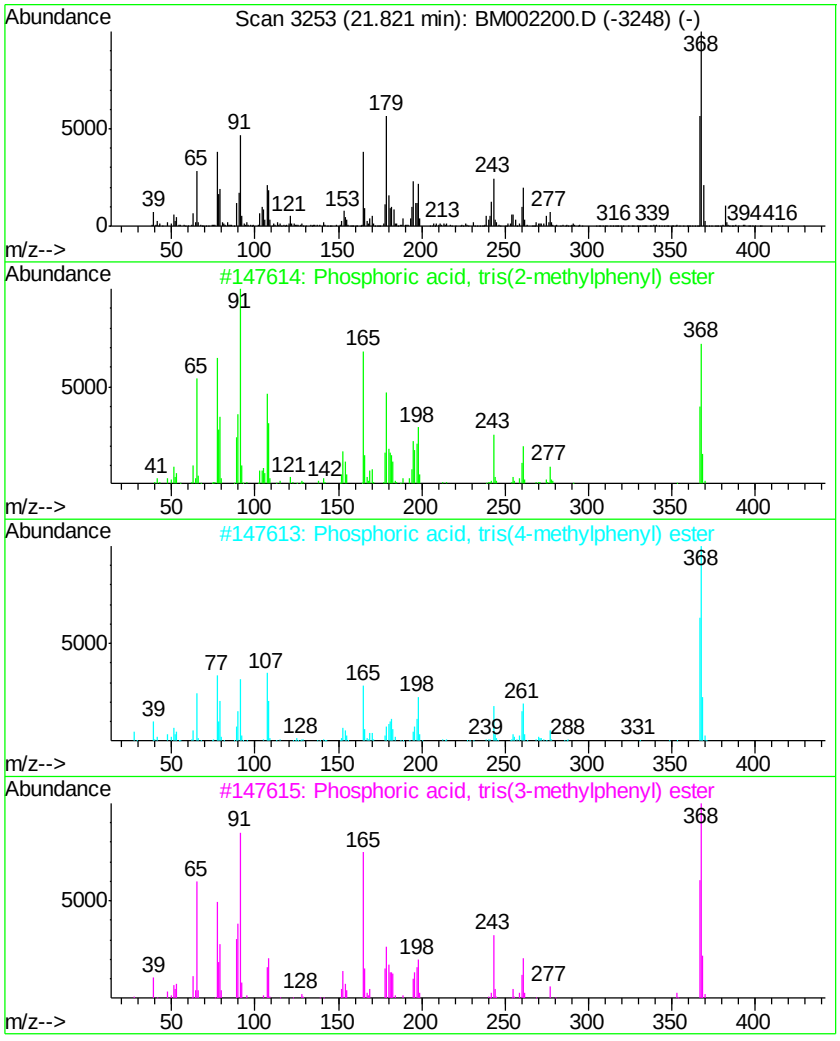
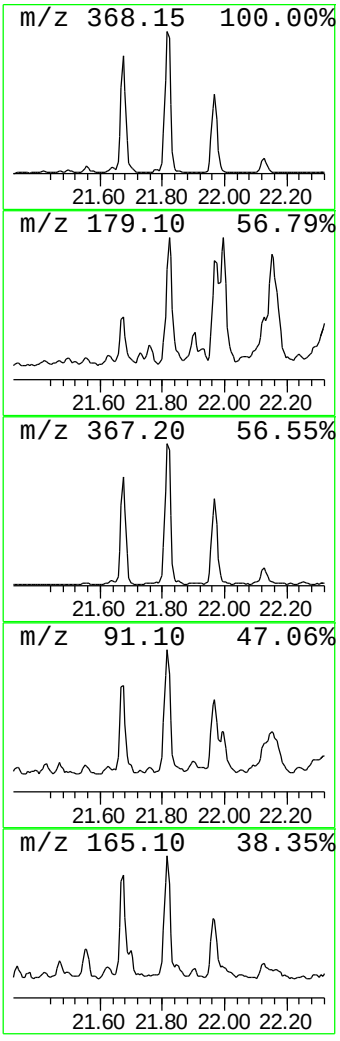
Peak Number 23 Phosphoric acid, tris(2-met... Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.82	6.91 ng/ul	1671490	Chrysene-d12	21.18

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phosphoric acid, tris(2-methylph...	368	C21H21O4P	000078-30-8	99
2	Phosphoric acid, tris(4-methylph...	368	C21H21O4P	000078-32-0	99
3	Phosphoric acid, tris(3-methylph...	368	C21H21O4P	000563-04-2	99
4	Phosphoric acid, tris(3-methylph...	368	C21H21O4P	000563-04-2	98
5	[7aS-(7a.alpha.,8a.alpha.,9E,12....	368	C21H24N2O4	030809-15-5	90





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM080315\
Data File : BM002200.D
Acq On : 03 Aug 2015 16:44
Operator : TP/UM
Sample : G3095-03
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C01Q7

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM072715.M
Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

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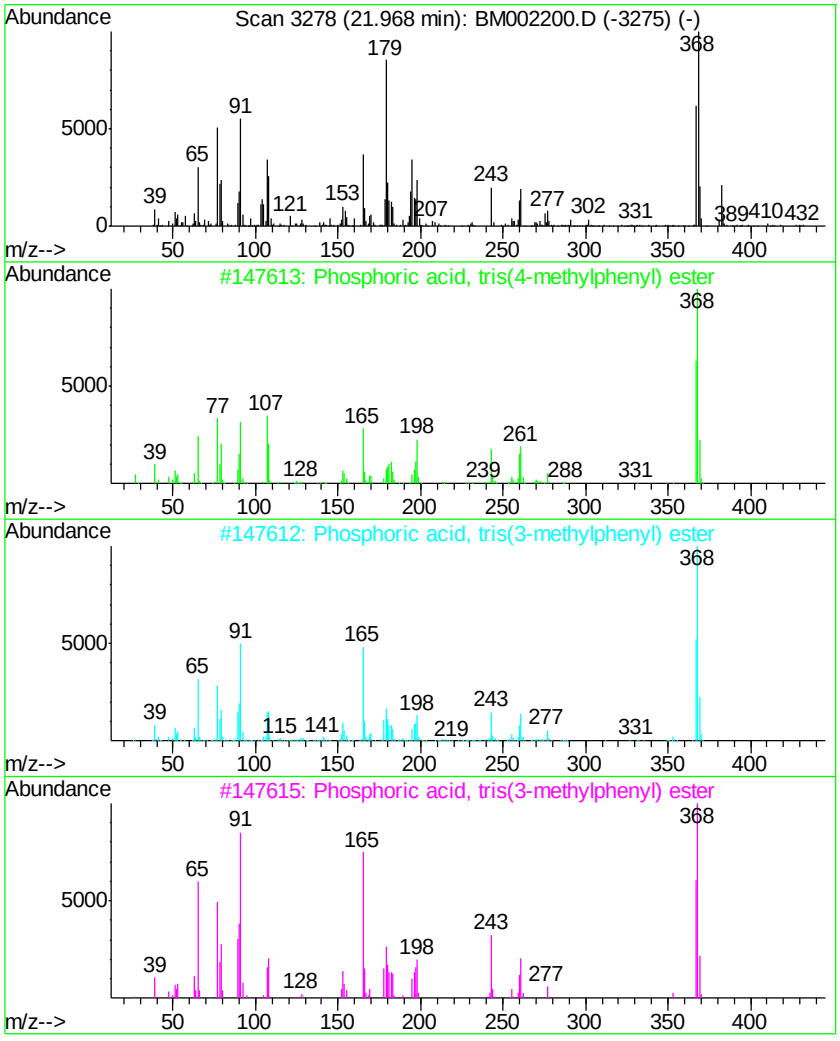
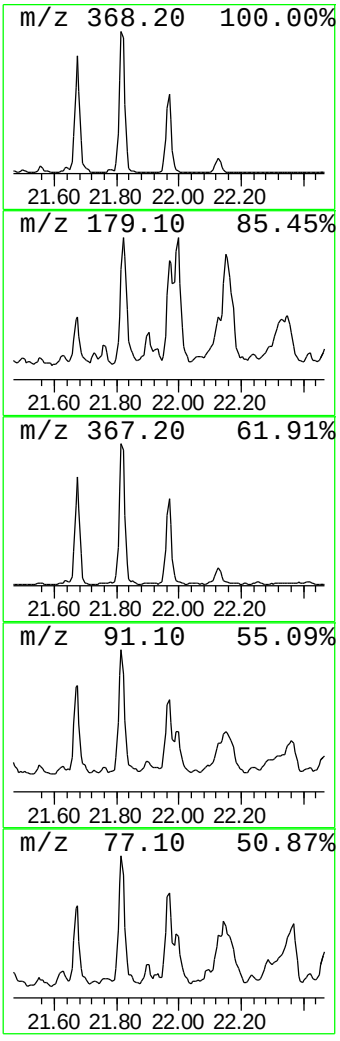
Peak Number 24 Phosphoric acid, tris(4-met... Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.97	2.50 ng/ul	604432	Chrysene-d12	21.18

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phosphoric acid, tris(4-methylph...	368	C21H21O4P	000078-32-0	99
2	Phosphoric acid, tris(3-methylph...	368	C21H21O4P	000563-04-2	92
3	Phosphoric acid, tris(3-methylph...	368	C21H21O4P	000563-04-2	83
4	Phosphoric acid, tris(4-methylph...	368	C21H21O4P	000078-32-0	70
5	Phosphoric acid, tris(2-methylph...	368	C21H21O4P	000078-30-8	43





Tentatively Identified Compound (LSC) summary

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM080315\
Data File : BM002200.D
Acq On : 03 Aug 2015 16:44
Operator : TP/UM
Sample : G3095-03
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C01Q7

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM072715.M
Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

					Internal Standard			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc
Decahydro-4,4,8,9...	14.02	2.8	ng/ul	166855	3	14.21	1180660	20.0
Naphthalene, 2,3,...	14.83	2.3	ng/ul	137048	3	14.21	1180660	20.0
(DEL) Alkane: Str...	15.94	4.6	ng/ul	336777	4	16.96	1473010	20.0
Dibenzothiophene	16.77	4.7	ng/ul	343963	4	16.96	1473010	20.0
Dibenzothiophene,...	17.54	3.4	ng/ul	247238	4	16.96	1473010	20.0
Phenanthrene, 2-m...	17.84	4.7	ng/ul	345609	4	16.96	1473010	20.0
Phenanthrene, 1-m...	17.89	7.3	ng/ul	535534	4	16.96	1473010	20.0
4H-Cyclopenta[def...	18.03	13.6	ng/ul	1001520	4	16.96	1473010	20.0
Anthracene, 2-met...	18.07	4.5	ng/ul	332959	4	16.96	1473010	20.0
unknown-01	18.24	3.8	ng/ul	280126	4	16.96	1473010	20.0
1,2,4,8-Tetrameth...	18.34	3.4	ng/ul	250901	4	16.96	1473010	20.0
9,10-Anthracenedione	18.39	2.8	ng/ul	207287	4	16.96	1473010	20.0
18-Norabietane	18.43	2.1	ng/ul	158698	4	16.96	1473010	20.0
Phenanthrene, 4,5...	18.59	3.2	ng/ul	235668	4	16.96	1473010	20.0
Phenanthrene, 2,5...	18.77	4.0	ng/ul	294026	4	16.96	1473010	20.0
1,1'-Biphenyl, 2,...	18.89	2.0	ng/ul	150574	4	16.96	1473010	20.0
1,1'-Biphenyl, 2,...	19.18	2.6	ng/ul	627375	5	21.18	4835220	20.0
1,1'-Biphenyl, 2,...	19.63	2.6	ng/ul	632681	5	21.18	4835220	20.0
11H-Benzo[b]fluorene	19.90	4.4	ng/ul	1061000	5	21.18	4835220	20.0
Phosphoric acid, ...	21.67	4.6	ng/ul	1115190	5	21.18	4835220	20.0
Phosphoric acid, ...	21.82	6.9	ng/ul	1671490	5	21.18	4835220	20.0
Phosphoric acid, ...	21.97	2.5	ng/ul	604432	5	21.18	4835220	20.0