LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA M\DATA\BM080415\
Data File : BM002224.D
Acq On : 04 Aug 2015 23:55
Operator : TP/UM
Sample : G3095-03RE
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C01Q7RE

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-BM080415.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	3.311	102	106	117	rBV	190925	232222	3.71%	0.323%
2	5.157	415	420	429	rBB	28610	55916	0.89%	0.078%
3	5.528	477	483	489	rBB	29775	43063	0.69%	0.060%
4	6.716	680	685	697	rVB	215385	365963	5.85%	0.508%
5	6.863	705	710	716	rBV	165014	244071	3.90%	0.339%
6	7.057	737	743	752	rVV	240793	379242	6.07%	0.527%
7	7.163	757	761	766	rVB	29248	41284	0.66%	0.057%
8	7.522	809	822	830	rBV	517768	806962	12.91%	1.121%
9	8.251	940	946	953	rBV	266839	431178	6.90%	0.599%
10	8.322	953	958	967	rBV6	13041	35217	0.56%	0.049%
11	8.687	1013	1020	1026	rBV	214071	341578	5.46%	0.474%
12	9.404	1132	1142	1149	rBV	182741	318740	5.10%	0.443%
13	9.481	1149	1155	1162	rBV7	13145	34997	0.56%	0.049%
14	9.951	1229	1235	1242	rBV	274991	465123	7.44%	0.646%
15	10.310	1283	1296	1302	rBV	647599	1105996	17.69%	1.536%
16	10.363	1302	1305	1311	rVB	43372	63264	1.01%	0.088%
17	10.463	1317	1322	1331	rVV	103490	189260	3.03%	0.263%
18	10.845	1381	1387	1394	rBV7	10670	28509	0.46%	0.040%
19	10.987	1402	1411	1417	rVB10	15098	40276	0.64%	0.056%
20	11.328	1463	1469	1476	rBV3	33985	81975	1.31%	0.114%
21	11.986	1577	1581	1587	rVB	41923	64115	1.03%	0.089%
22	12.045	1587	1591	1599	rBV7	18600	29931	0.48%	0.042%
23	12.210	1612	1619	1626	rBV	30803	65331	1.05%	0.091%
24	12.522	1667	1672	1678	rBV7	25195	54459	0.87%	0.076%
25	12.604	1682	1686	1692	rVB5	31317	51332	0.82%	0.071%
26	12.663	1692	1696	1700	rBV5	17106	35238	0.56%	0.049%
27	12.710	1700	1704	1709	rVB2	62738	88502	1.42%	0.123%
28	12.769	1709	1714	1719	rBV6	26838	64128	1.03%	0.089%
29	12.951	1740	1745	1752	rBV3	48015	101177	1.62%	0.141%
30	13.351	1810	1813	1815	rBV3	26111	32684	0.52%	0.045%
31	13.510	1835	1840	1846	rBV3	47006	101872	1.63%	0.142%
32	13.610	1848	1857	1862	rVV	457108	781459	12.50%	1.086%
33	13.663	1862	1866	1871	rVB2	226368	352955	5.65%	0.490%
34	13.892	1899	1905	1909	rBV	501965	816236	13.06%	1.134%

LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA M\DATA\BM080415\
Data File : BM002224.D
Acq On : 04 Aug 2015 23:55
Operator : TP/UM
Sample : G3095-03RE
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C01Q7RE

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-BM080415.M
Title : SVOA CALIBRATION

35	14.016	1921	1926	1933	rVB2	124137	205679	3.29%	0.286%
36	14.092	1934	1939	1942	rBV5	44113	75471	1.21%	0.105%
37	14.151	1945	1949	1951	rVV2	50252	78743	1.26%	0.109%
38	14.204	1952	1958	1964	rVV2	858331	1352862	21.64%	1.879%
39	14.263	1964	1968	1976	rVV2	148989	262998	4.21%	0.365%
40	14.451	1997	2000	2006	rVB	121768	170719	2.73%	0.237%
41	14.598	2022	2025	2029	rVB	74107	98664	1.58%	0.137%
42	14.722	2042	2046	2052	rBV7	42086	74462	1.19%	0.103%
43	14.827	2059	2064	2069	rBV5	46037	122709	1.96%	0.170%
44	14.975	2086	2089	2096	rBV4	68913	124501	1.99%	0.173%
45	15.198	2122	2127	2132	rBV	609142	849202	13.58%	1.180%
46	15.257	2132	2137	2141	rVV	126309	171285	2.74%	0.238%
47	15.357	2150	2154	2160	rBV3	100096	193236	3.09%	0.268%
48	15.457	2168	2171	2177	rVB3	63535	91592	1.47%	0.127%
49	15.545	2183	2186	2190	rBV	42524	65121	1.04%	0.090%
50	15.939	2246	2253	2258	rVB	213190	359097	5.74%	0.499%
51	16.616	2365	2368	2373	rVB	70539	90777	1.45%	0.126%
52	16.769	2389	2394	2401	rVB2	185714	367264	5.87%	0.510%
53	16.957	2421	2426	2430	rBV	1080810	1568598	25.09%	2.179%
54	17.004	2430	2434	2438	rVV	1714338	2291320	36.65%	3.183%
55	17.057	2438	2443	2446	rVV2	678092	952745	15.24%	1.323%
56	17.092	2446	2449	2453	rVB	395404	491584	7.86%	0.683%
57	17.368	2493	2496	2501	rVB	137449	183207	2.93%	0.254%
58	17.539	2521	2525	2532	rVB2	127426	254678	4.07%	0.354%
59	17.833	2571	2575	2577	rBV	237004	321622	5.14%	0.447%
60	17.880	2578	2583	2588	rVB	402092	702163	11.23%	0.975%
61	17.963	2594	2597	2602	rVB	133121	167291	2.68%	0.232%
62	18.027	2603	2608	2612	rVV2	623178	1040301	16.64%	1.445%
63	18.063	2612	2614	2622	rVB2	216044	328470	5.25%	0.456%
64	18.233	2639	2643	2648	rBV2	211848	295572	4.73%	0.411%
65	18.339	2658	2661	2665	rVB	203225	223408	3.57%	0.310%
66	18.386	2667	2669	2672	rVV	154627	187678	3.00%	0.261%
67	18.421	2672	2675	2679	rVB	156098	177035	2.83%	0.246%
68	18.762	2729	2733	2737	rBV	171509	274348	4.39%	0.381%
69	18.862	2747	2750	2751	rBV2	122880	139728	2.24%	0.194%
70	18.880	2751	2753	2756	rVV	127001	154895	2.48%	0.215%
71	19.039	2773	2780	2784	rBV	3831043	5449913	87.18%	7.570%

LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA M\DATA\BM080415\
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Operator : TP/UM
Sample : G3095-03RE
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C01Q7RE

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

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Peak separation: 5

Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM080415.M
Title : SVOA CALIBRATION

72	19.168	2798	2802	2807	rVB2	485655	661382	10.58%	0.919%
73	19.233	2810	2813	2817	rBV4	172296	249318	3.99%	0.346%
74	19.274	2817	2820	2823	rVB	164672	191234	3.06%	0.266%
75	19.368	2831	2836	2838	rBV2	1387337	2122414	33.95%	2.948%
76	19.404	2838	2842	2849	rVV	3932221	5445195	87.10%	7.564%
77	19.468	2850	2853	2857	rVB2	138703	195693	3.13%	0.272%
78	19.621	2875	2879	2886	rVB2	410564	683854	10.94%	0.950%
79	19.733	2892	2898	2902	rBV2	236964	538115	8.61%	0.747%
80	19.898	2920	2926	2930	rVB2	579898	1172587	18.76%	1.629%
81	19.939	2930	2933	2937	rBV2	312805	363947	5.82%	0.506%
82	19.998	2939	2943	2946	rBV	409812	494770	7.91%	0.687%
83	20.162	2968	2971	2974	rVB2	303880	293375	4.69%	0.408%
84	20.198	2974	2977	2982	rBV2	231112	454845	7.28%	0.632%
85	20.239	2982	2984	2988	rVB2	323125	405052	6.48%	0.563%
86	20.480	3023	3025	3029	rVB3	289864	298009	4.77%	0.414%
87	20.815	3078	3082	3085	rBV2	421698	571488	9.14%	0.794%
88	20.851	3085	3088	3091	rVV	306119	325288	5.20%	0.452%
89	21.074	3124	3126	3130	rVB	430645	410434	6.57%	0.570%
90	21.162	3136	3141	3146	rBV2	3085967	6251650	100.00%	8.684%
91	21.209	3146	3149	3158	rVB	2757573	3440596	55.04%	4.779%
92	21.321	3165	3168	3172	rBV	551010	621437	9.94%	0.863%
93	21.662	3222	3226	3229	rBV	1188194	1465345	23.44%	2.036%
94	21.803	3247	3250	3256	rBV4	1498427	1976724	31.62%	2.746%
95	21.956	3273	3276	3279	rBV3	656632	804230	12.86%	1.117%
96	22.721	3400	3406	3410	rBV	2383467	5181017	82.87%	7.197%
97	23.186	3480	3485	3489	rBV	1135744	2071752	33.14%	2.878%
98	23.280	3497	3501	3510	rVB	1983156	3490894	55.84%	4.849%
99	23.374	3512	3517	3521	rBV2	970096	1613148	25.80%	2.241%
100	25.580	3887	3892	3901	rVB2	928075	2291856	36.66%	3.184%

Sum of corrected areas: 71988842

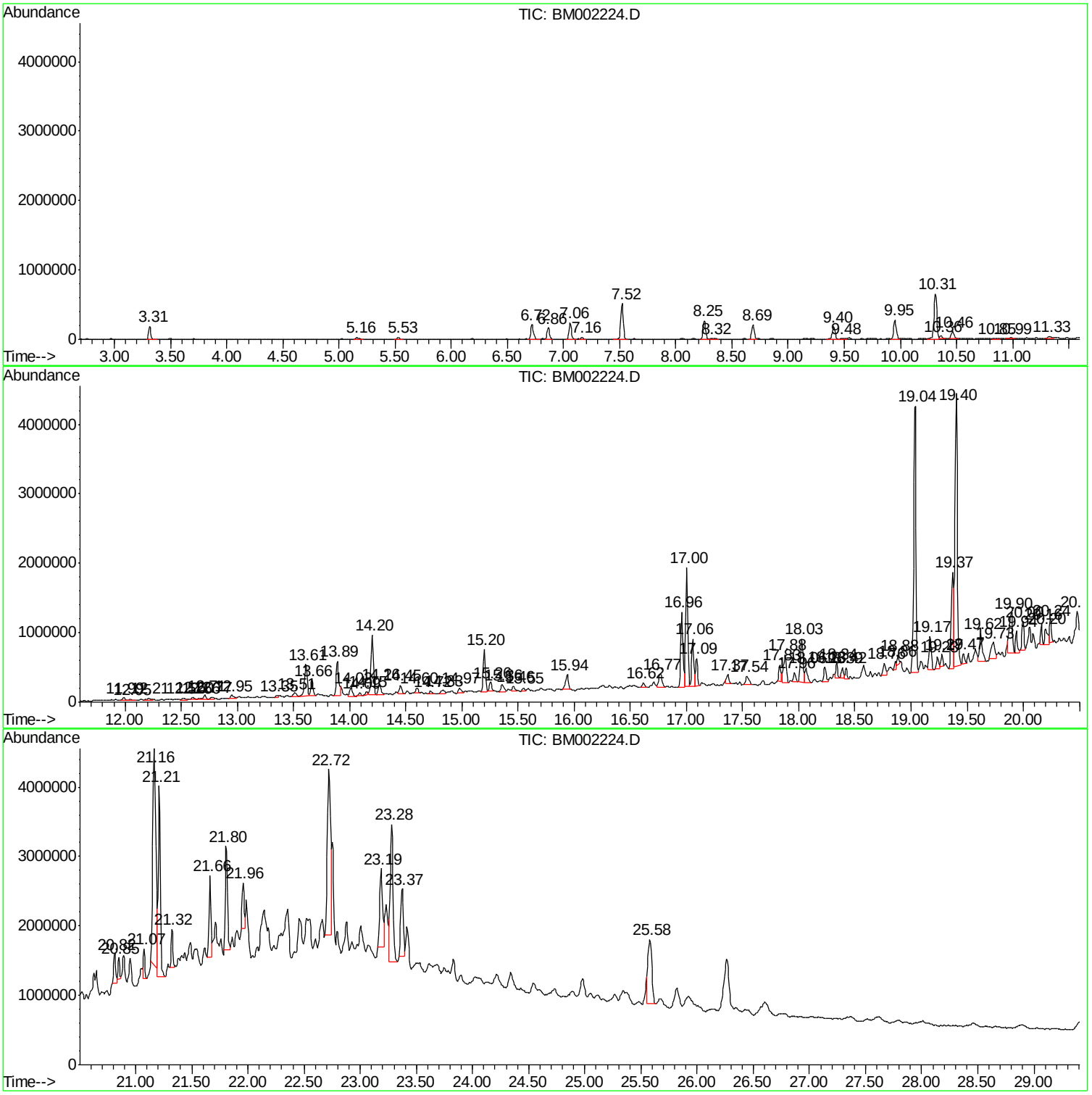
LSC Report - Integrated Chromatogram

Data Path : Z:\HPCHEM1\BNA M\DATA\BM080415\
Data File : BM002224.D
Acq On : 04 Aug 2015 23:55
Operator : TP/UM
Sample : G3095-03RE
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C01Q7RE

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM080415.M
Quant Title : SVOA CALIBRATION

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



Data Path : Z:\HPCHEM1\BNA M\DATA\BM080415\
Data File : BM002224.D
Acq On : 04 Aug 2015 23:55
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Instrument : BNA_M
ClientSampleId : C01Q7RE

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM080415.M
Quant Title : SVOA CALIBRATION

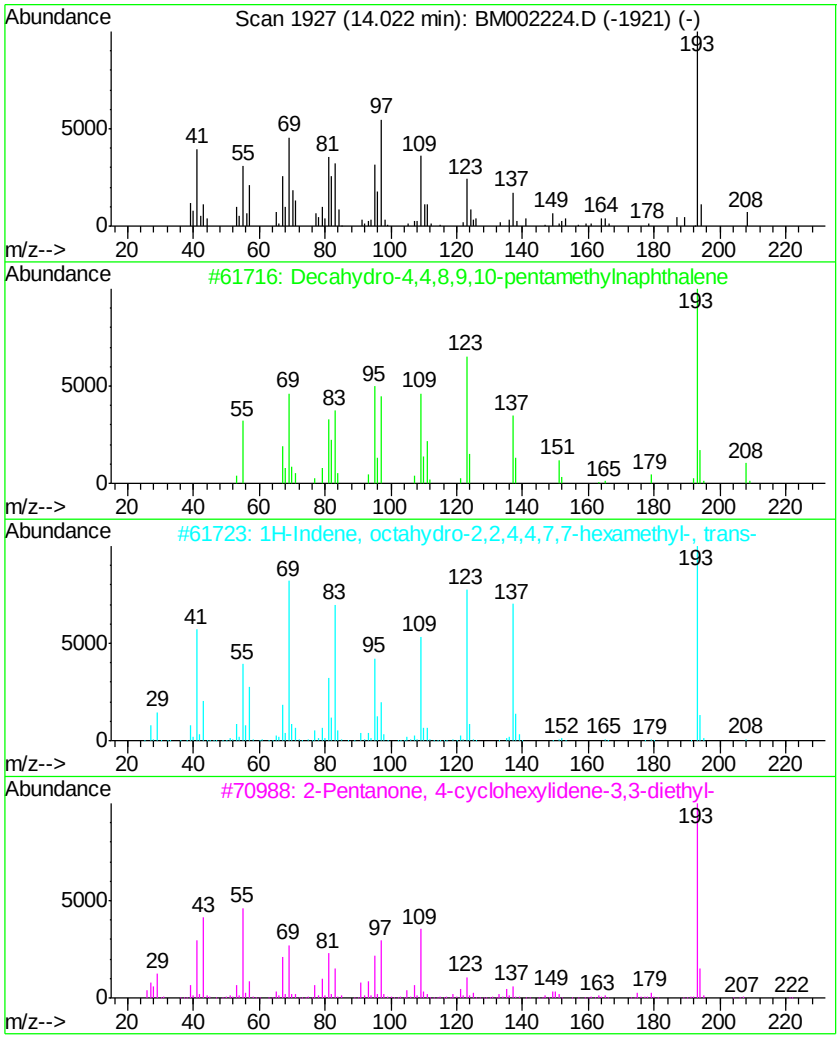
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

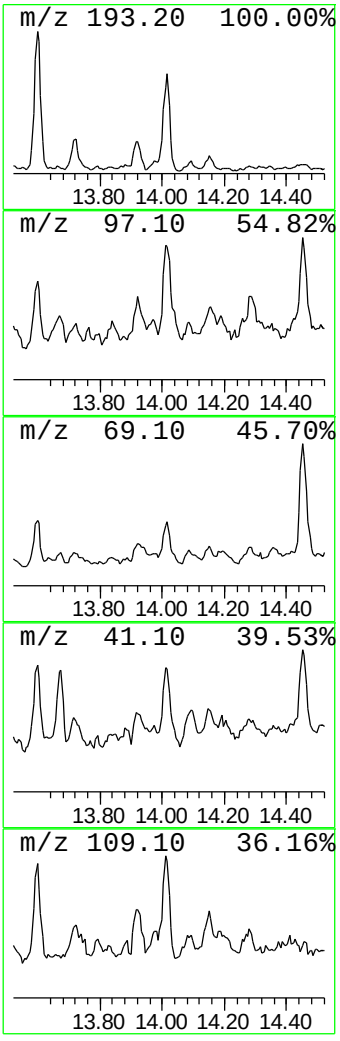
****

Peak Number 2 unknown-01 Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.02	3.04 ng/ul	205679	Acenaphthene-d10	14.20

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Decahydro-4,4,8,9,10-pentamethyl...	208	C15H28	080655-44-3	49
2	1H-Indene, octahydro-2,2,4,4,7,7...	208	C15H28	054832-83-6	43
3	2-Pentanone, 4-cyclohexylidene-3...	222	C15H26O	313253-65-5	38
4	Boronic acid, diethyl-, 3,3,5-tr...	208	C13H25BO	057387-76-5	32
5	1-(P-FLUOROPHENYL)-4-PIPERIDONE	193	C11H12FNO	1000238-56-7	25





Data Path : Z:\HPCHEM1\BNA M\DATA\BM080415\
Data File : BM002224.D
Acq On : 04 Aug 2015 23:55
Operator : TP/UM
Sample : G3095-03RE
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C01Q7RE

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM080415.M
Quant Title : SVOA CALIBRATION

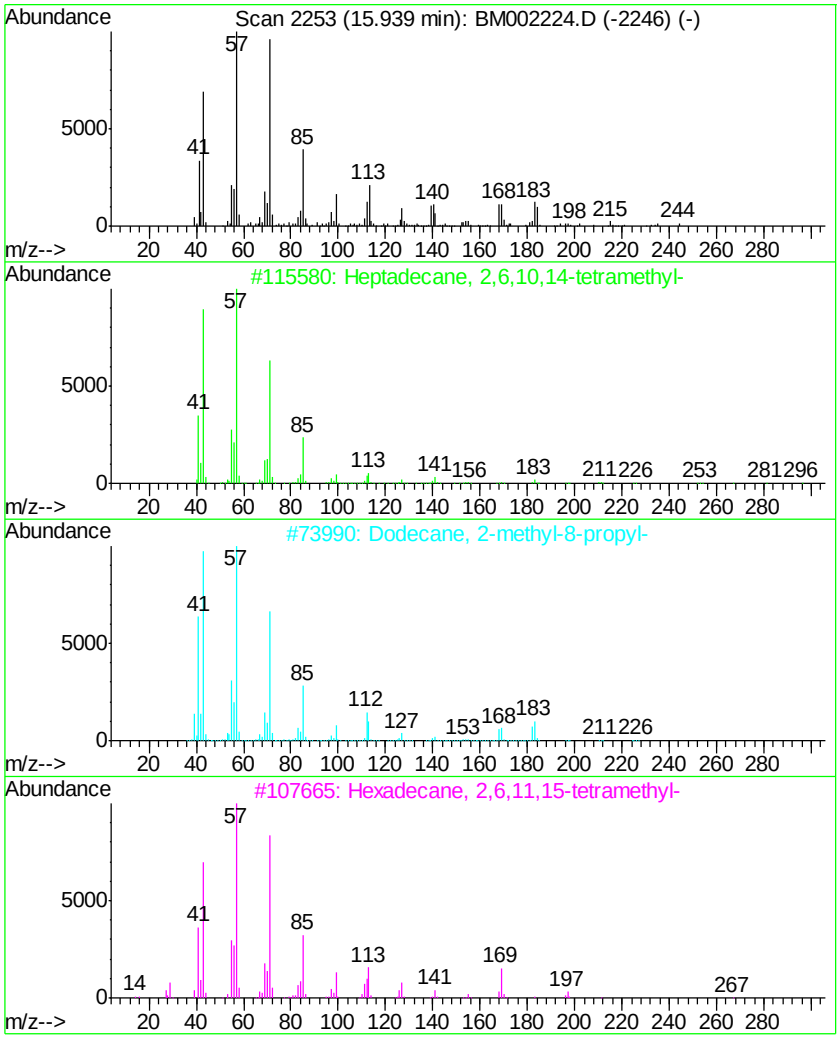
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

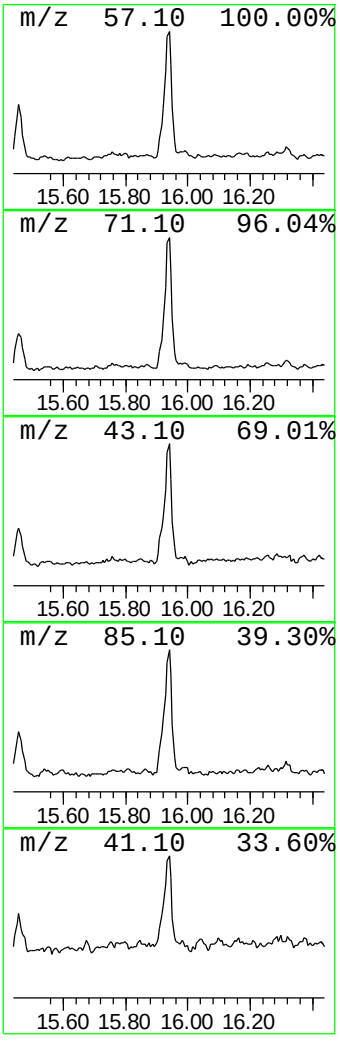
****

Peak Number 3 (DEL) Alkane: Straight-Chai... Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.94	4.58 ng/ul	359097	Phenanthrene-d10	16.96

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heptadecane, 2,6,10,14-tetramethyl-	296	C21H44	018344-37-1	72
2	Dodecane, 2-methyl-8-propyl-	226	C16H34	055045-07-3	72
3	Hexadecane, 2,6,11,15-tetramethyl-	282	C20H42	000504-44-9	68
4	Tridecane, 5-propyl-	226	C16H34	055045-11-9	64
5	Tridecane, 5-propyl-	226	C16H34	055045-11-9	64





Data Path : Z:\HPCHEM1\BNA M\DATA\BM080415\
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Acq On : 04 Aug 2015 23:55
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Sample : G3095-03RE
Misc :
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Instrument : BNA_M
ClientSampleId : C01Q7RE

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM080415.M
Quant Title : SVOA CALIBRATION

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

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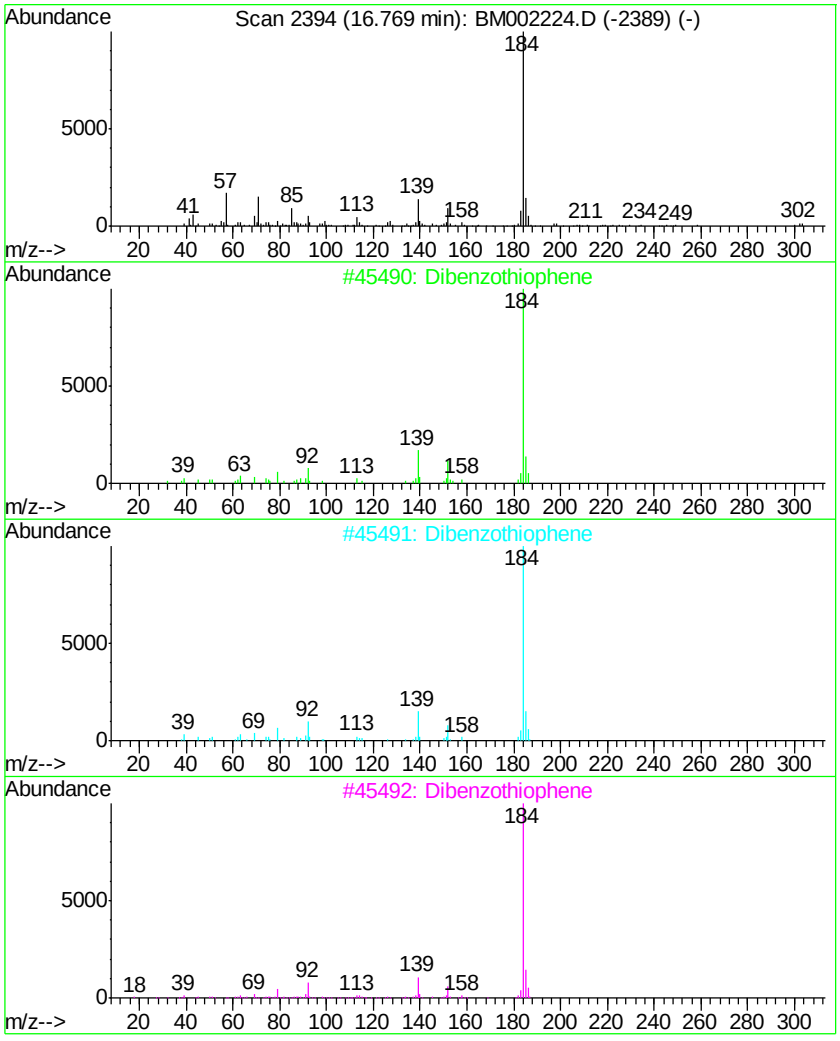
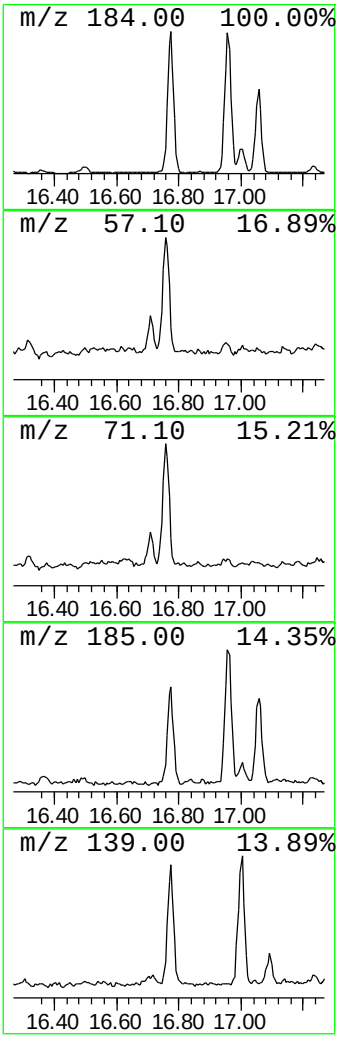
Peak Number 4 Dibenzothiophene Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.77	4.68 ng/ul	367264	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	91
3	Dibenzothiophene	184	C12H8S	000132-65-0	87
4	Dibenzothiophene	184	C12H8S	000132-65-0	87
5	Azuleno(2,1-b)thiophene	184	C12H8S	000248-13-5	83





Data Path : Z:\HPCHEM1\BNA M\DATA\BM080415\
Data File : BM002224.D
Acq On : 04 Aug 2015 23:55
Operator : TP/UM
Sample : G3095-03RE
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C01Q7RE

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM080415.M
Quant Title : SVOA CALIBRATION

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

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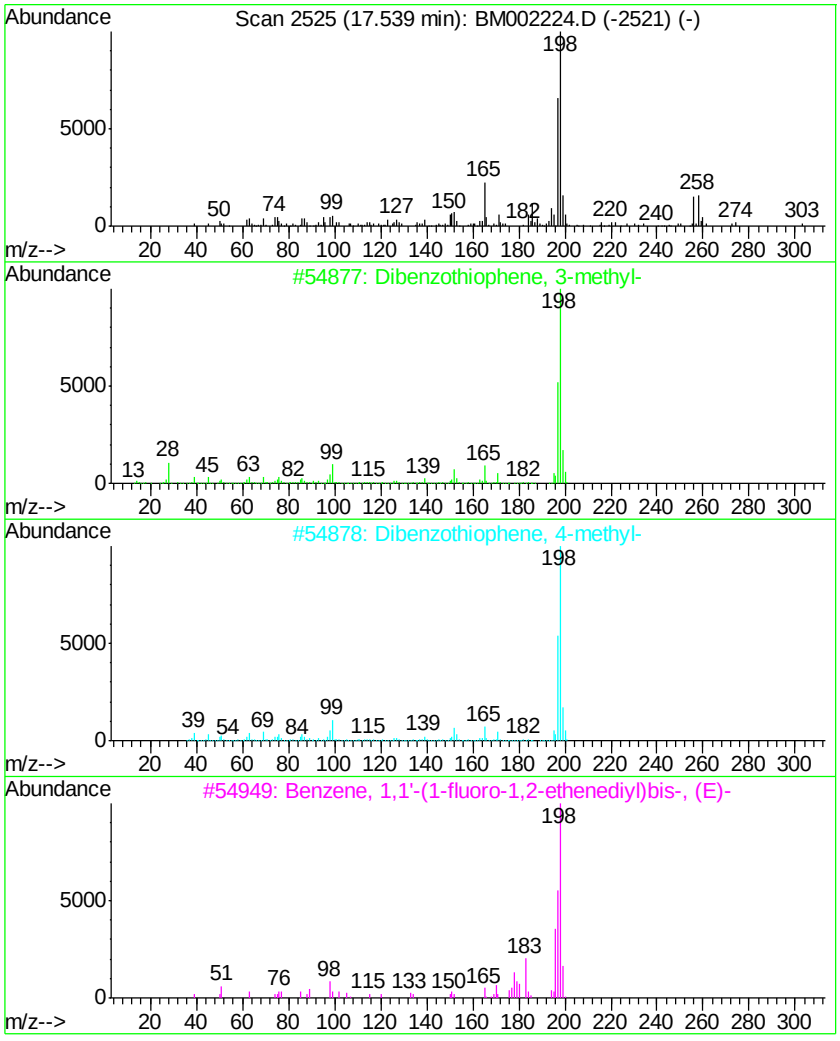
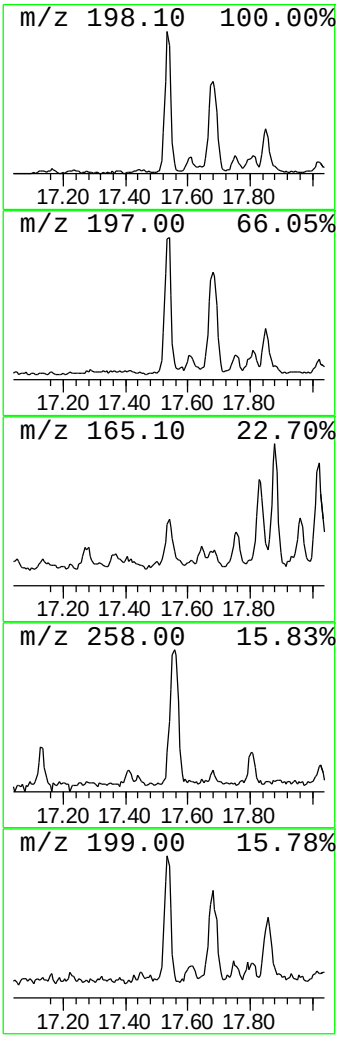
Peak Number 5 Dibenzothiophene, 3-methyl- Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.54	3.25 ng/ul	254678	Phenanthrene-d10	16.96

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dibenzothiophene, 3-methyl-	198	C13H10S	016587-52-3	76
2	Dibenzothiophene, 4-methyl-	198	C13H10S	007372-88-5	58
3	Benzene, 1,1'-(1-fluoro-1,2-ethe...	198	C14H11F	000671-19-2	58
4	Thioxanthene	198	C13H10S	000261-31-4	55
5	Benzene, 1-fluoro-3-(2-phenyleth...	198	C14H11F	003041-81-4	53





Data Path : Z:\HPCHEM1\BNA M\DATA\BM080415\
Data File : BM002224.D
Acq On : 04 Aug 2015 23:55
Operator : TP/UM
Sample : G3095-03RE
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C01Q7RE

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM080415.M
Quant Title : SVOA CALIBRATION

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

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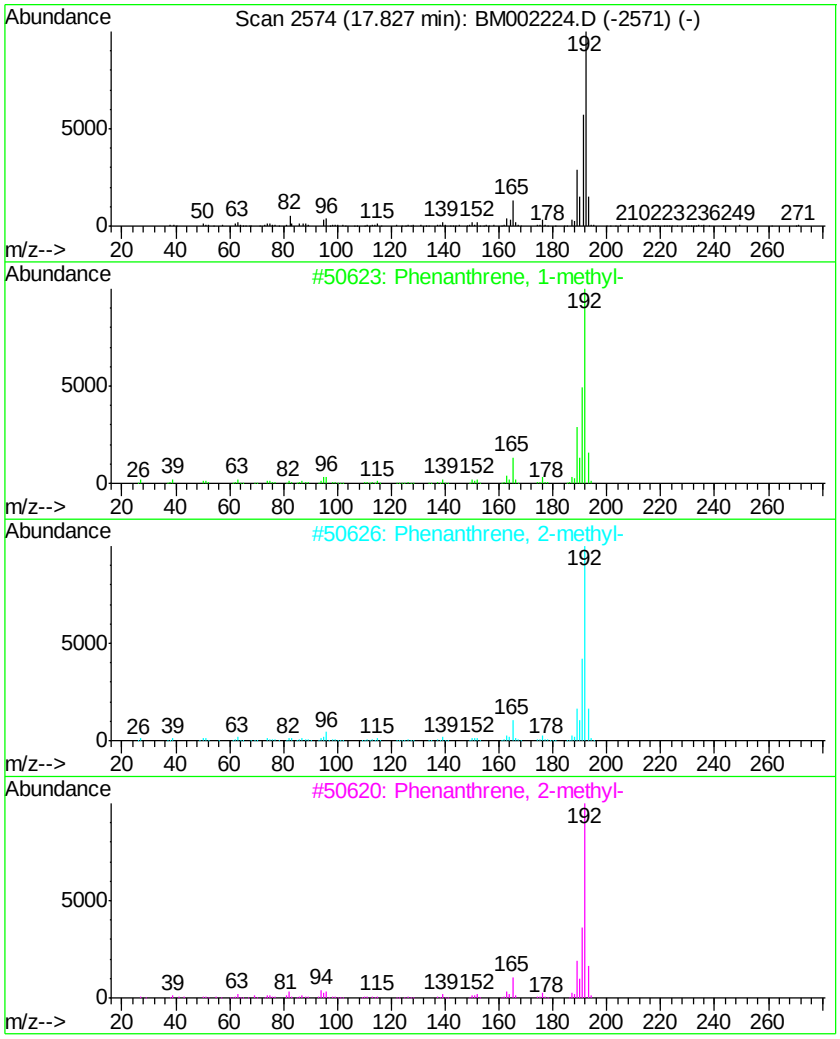
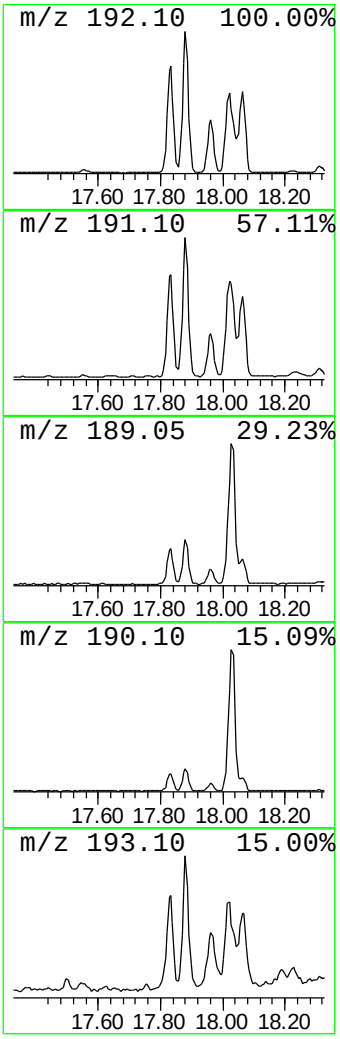
Peak Number 6 Phenanthrene, 1-methyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.83	4.10 ng/ul	321622	Phenanthrene-d10	16.96

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	95
2	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	95
3	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	94
4	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	93
5	Anthracene, 9-methyl-	192	C15H12	000779-02-2	93





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Sample : G3095-03RE
Misc :
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ClientSampleId : C01Q7RE

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Quant Title : SVOA CALIBRATION

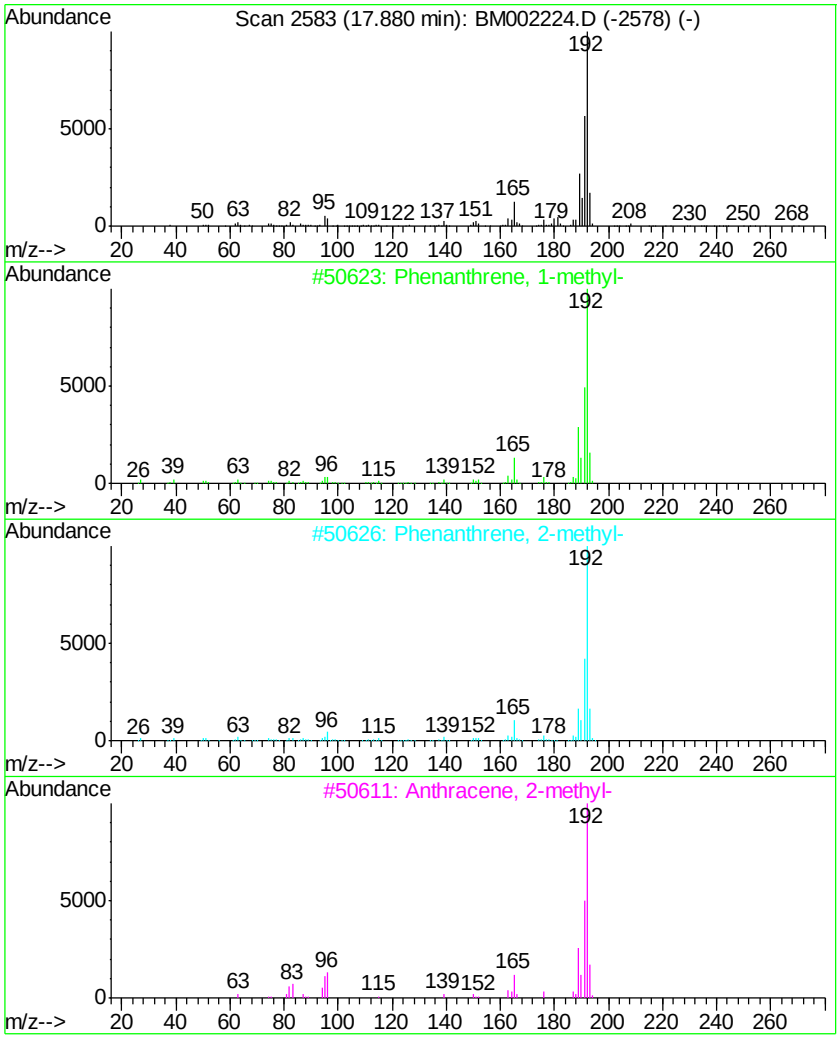
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

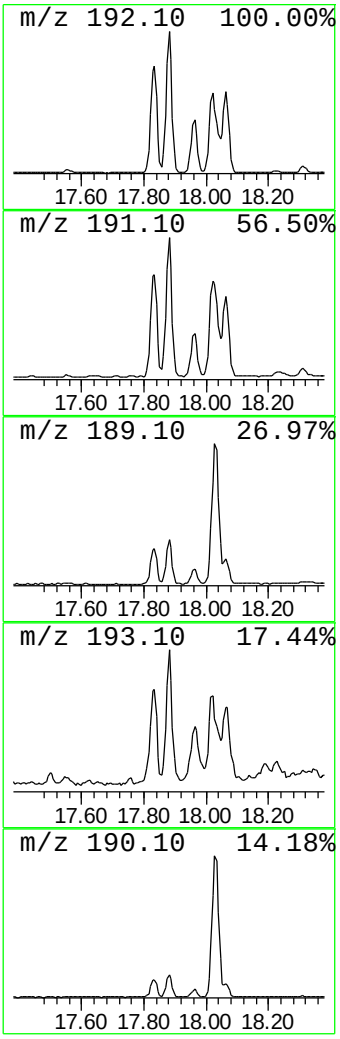
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.88	8.95 ng/ul	702163	Phenanthrene-d10	16.96

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	96
2	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	96
3	Anthracene, 2-methyl-	192	C15H12	000613-12-7	95
4	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	94
5	Anthracene, 1-methyl-	192	C15H12	000610-48-0	94





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ClientSampleId : C01Q7RE

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Quant Title : SVOA CALIBRATION

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

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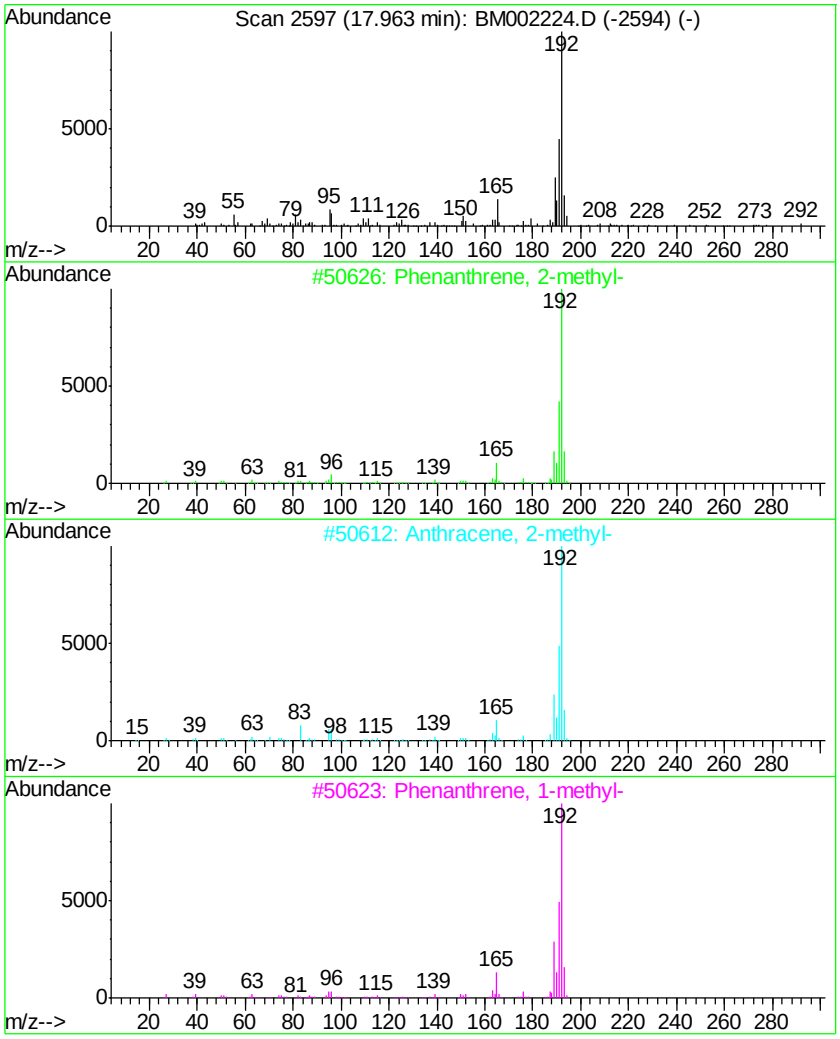
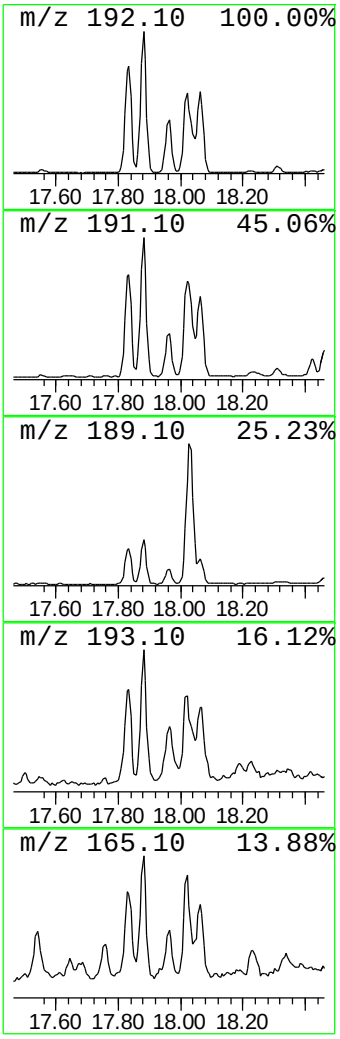
Peak Number 8 Anthracene, 2-methyl- Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.96	2.13 ng/ul	167291	Phenanthrene-d10	16.96

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	95
2	Anthracene, 2-methyl-	192	C15H12	000613-12-7	95
3	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	94
4	Phenanthrene, 3-methyl-	192	C15H12	000832-71-3	94
5	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	94





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Quant Title : SVOA CALIBRATION

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

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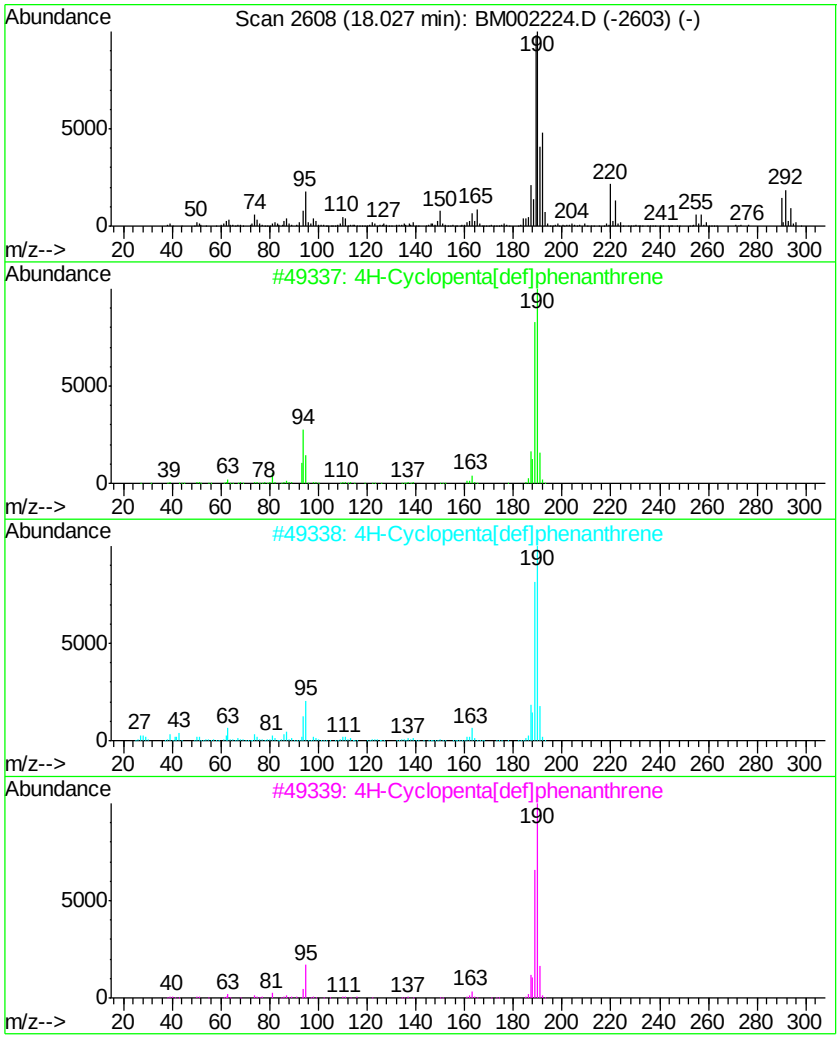
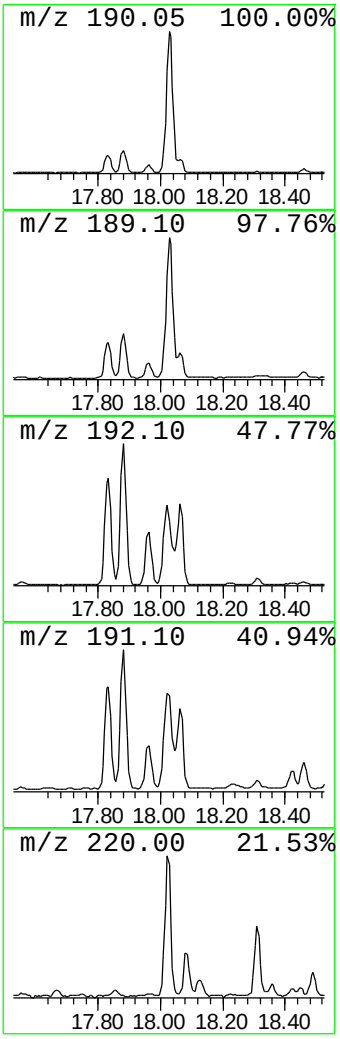
Peak Number 9 4H-Cyclopenta[def]phenanthrene Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.03	13.26 ng/ul	1040300	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	6H-Cyclobuta[jk]phenanthrene	190	C15H10	083469-43-6	43





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Quant Title : SVOA CALIBRATION

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

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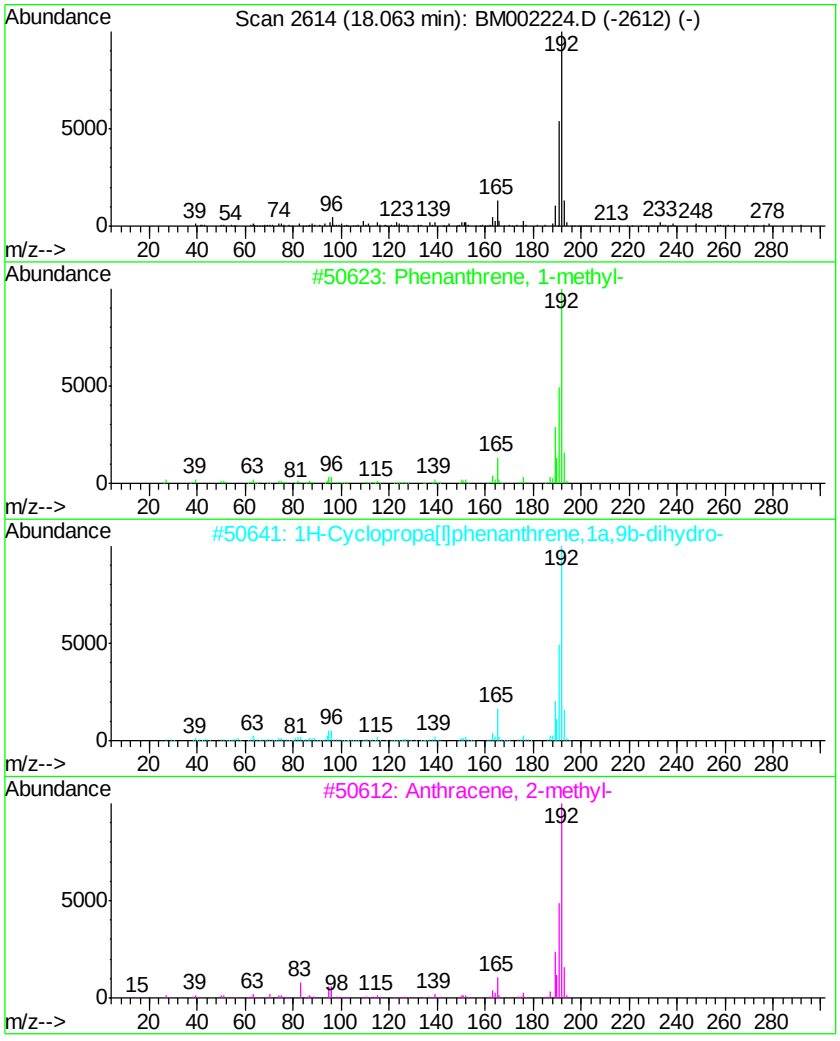
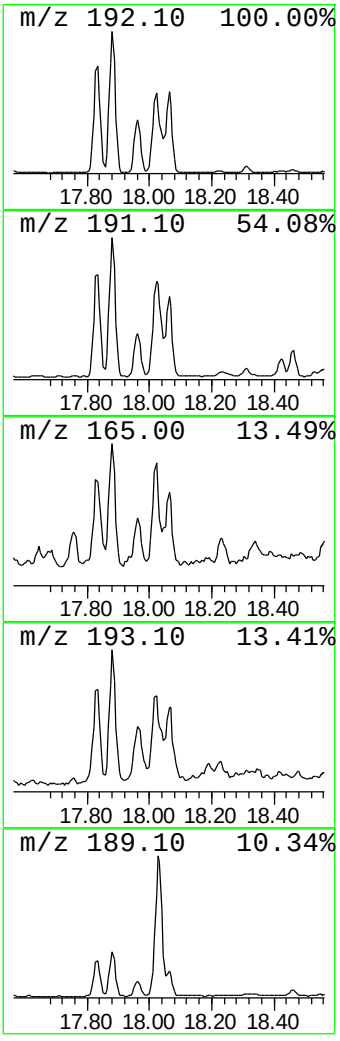
Peak Number 10 1H-Cyclopropa[l]phenanthren... Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.06	4.19 ng/ul	328470	Phenanthrene-d10	16.96

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	91
2	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	91
3	Anthracene, 2-methyl-	192	C15H12	000613-12-7	91
4	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	90
5	Anthracene, 1-methyl-	192	C15H12	000610-48-0	87





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Quant Title : SVOA CALIBRATION

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

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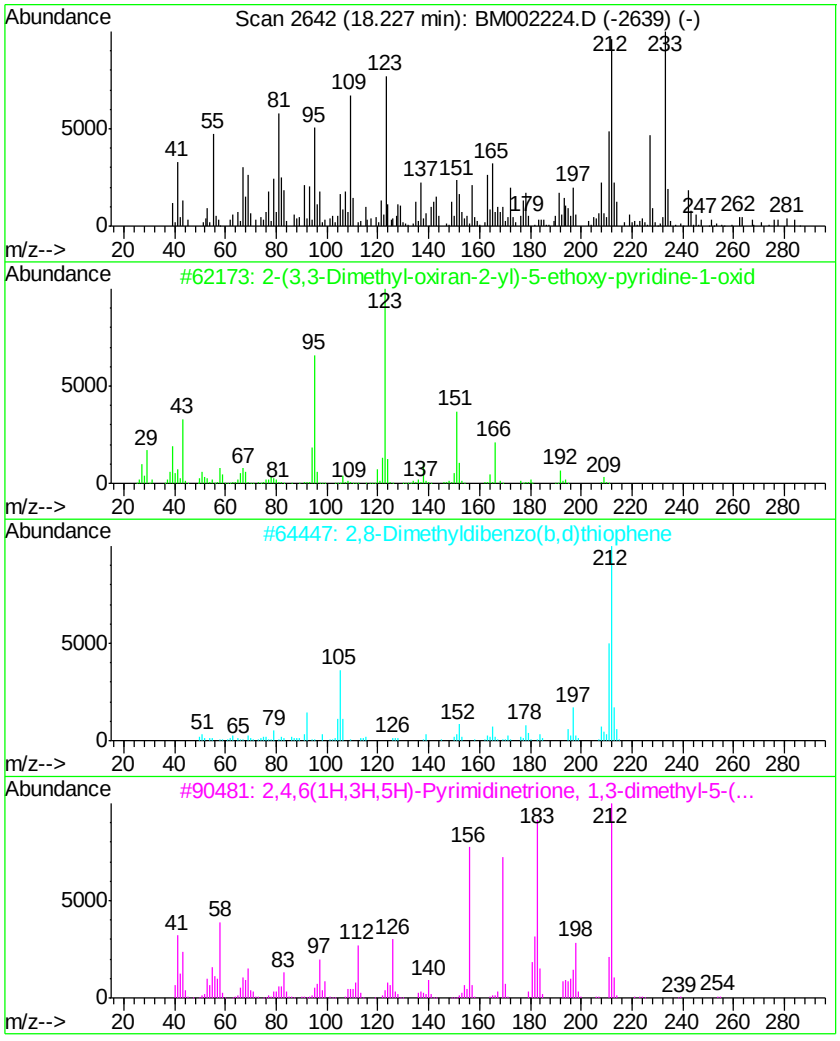
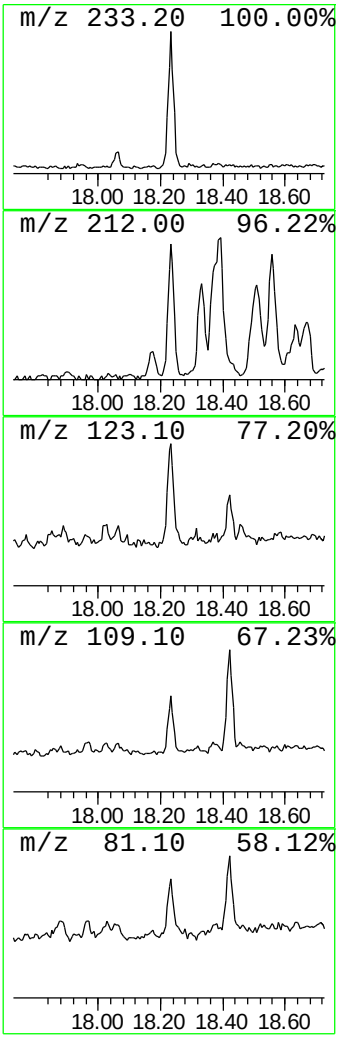
Peak Number 11 unknown-02 Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.23	3.77 ng/ul	295572	Phenanthrene-d10	16.96

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-(3,3-Dimethyl-oxiran-2-yl)-5-e...	209	C11H15NO3	1000194-95-4	25
2	2,8-Dimethyldibenzo(b,d)thiophene	212	C14H12S	001207-15-4	25
3	2,4,6(1H,3H,5H)-Pyrimidinetrione...	254	C12H18N2O4	057397-01-0	25
4	Pyrazole, 3-phenyl-5-(trifluorom...	212	C10H7F3N2	004027-54-7	15
5	2-Aminopyridazino(6,1-b)quinazol...	212	C11H8N4O	001702-99-4	15





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Quant Title : SVOA CALIBRATION

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

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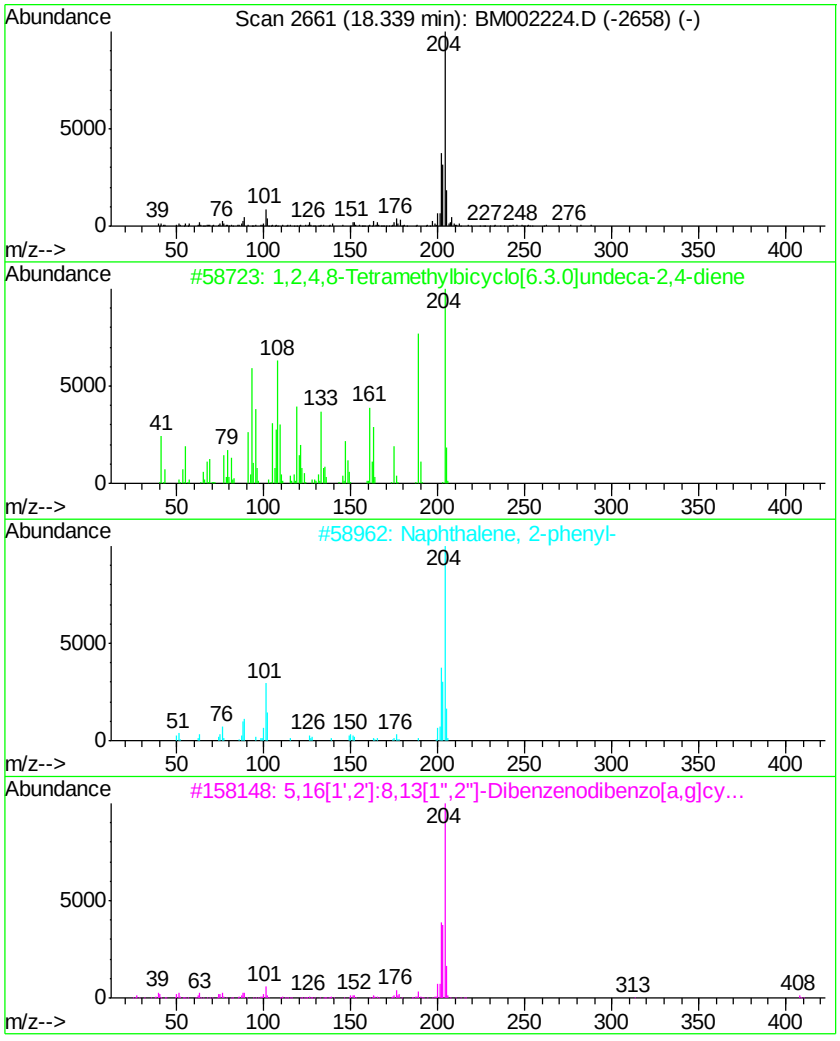
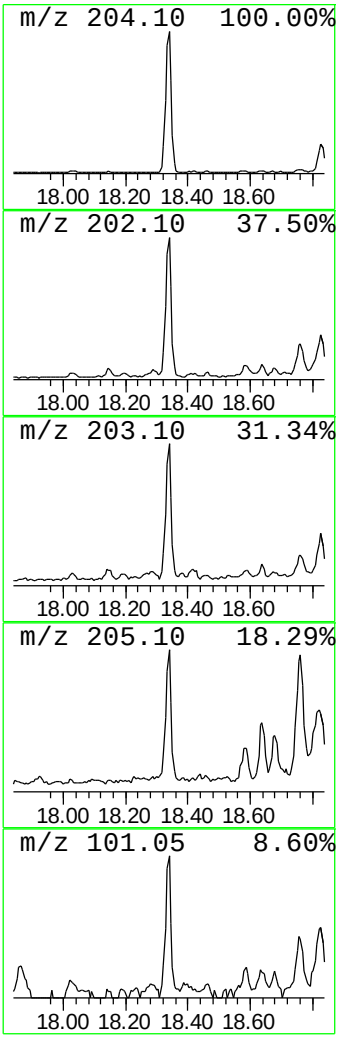
Peak Number 12 1,2,4,8-Tetramethylbicyclo[... Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.34	2.85 ng/ul	223408	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	5,16[1',2']:8,13[1'',2'']-Dibenz...	408	C32H24	005672-97-9	86
4	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	81
5	2-Phenylnaphthalene	204	C16H12	035465-71-5	76





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Quant Title : SVOA CALIBRATION

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

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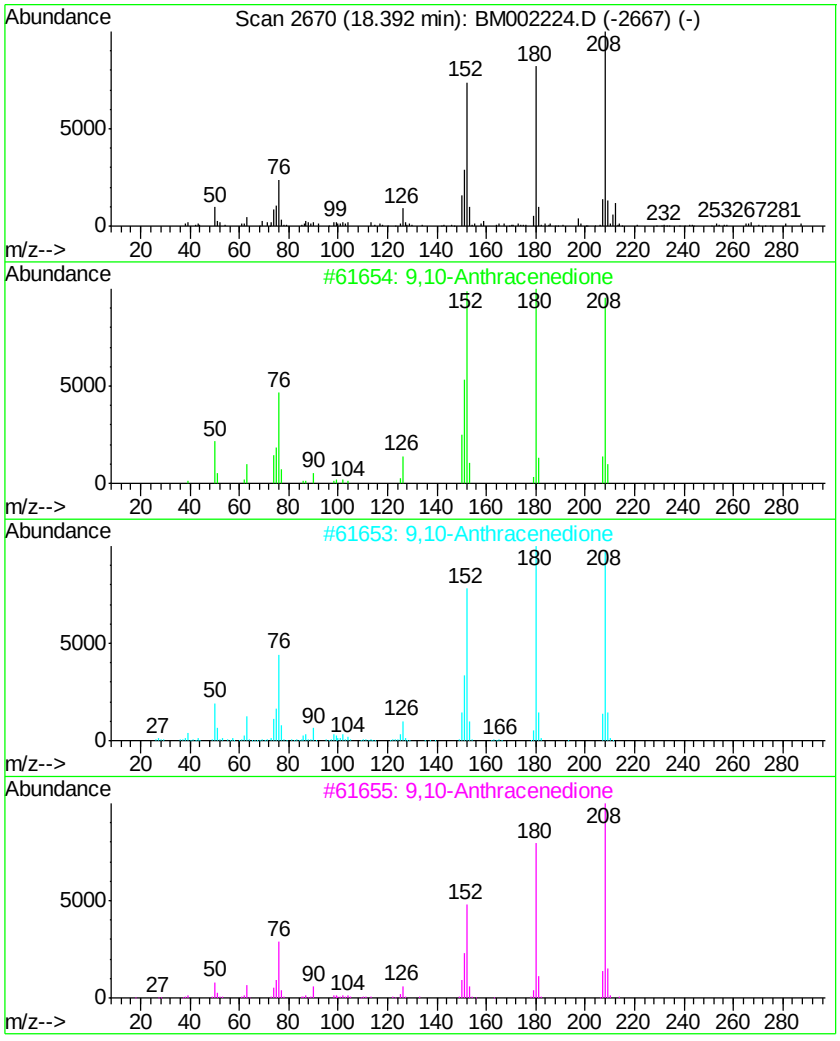
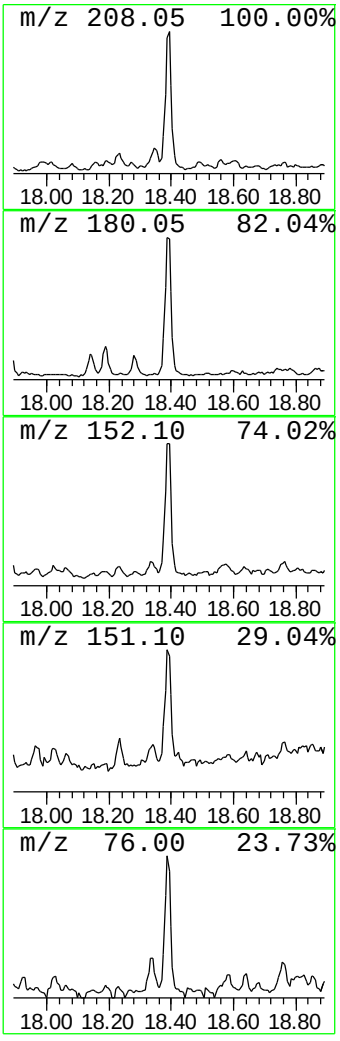
Peak Number 13 9,10-Anthracenedione Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.39	2.39 ng/ul	187678	Phenanthrene-d10	16.96

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	94
3	9,10-Anthracenedione	208	C14H8O2	000084-65-1	91
4	1H-Phenalen-1-one	180	C13H8O	000548-39-0	60
5	Benzo[h]cinnoline	180	C12H8N2	000230-31-9	60





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Quant Title : SVOA CALIBRATION

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

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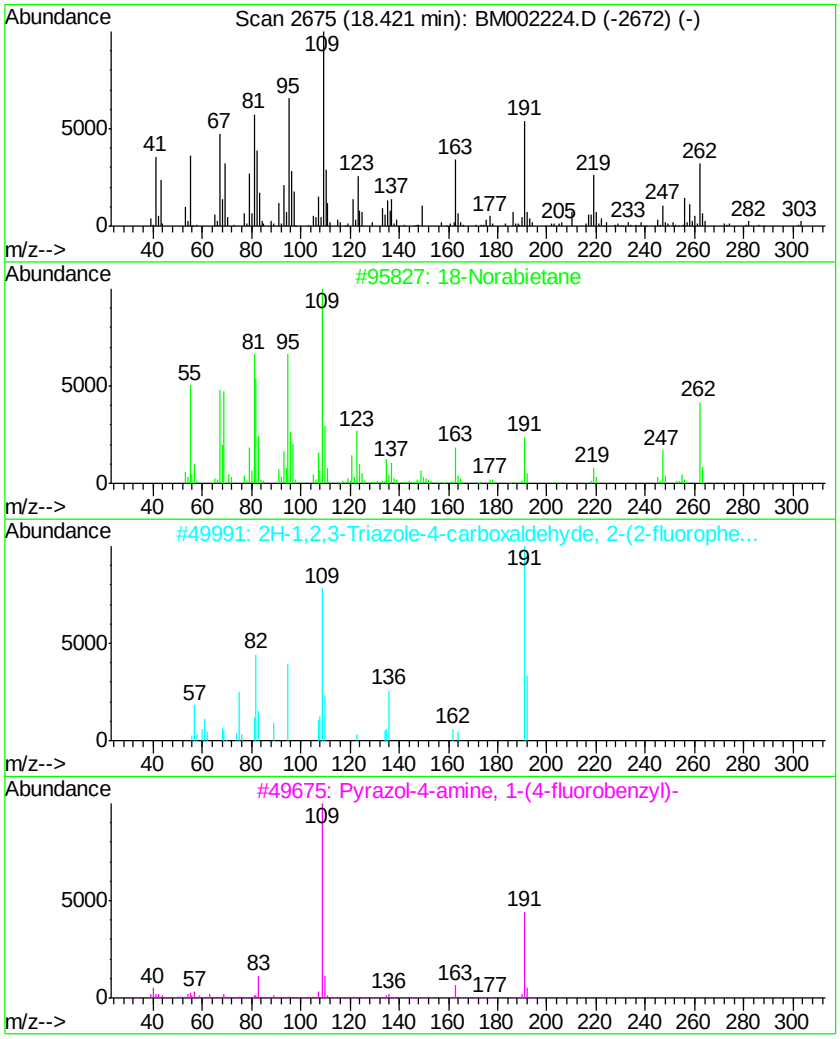
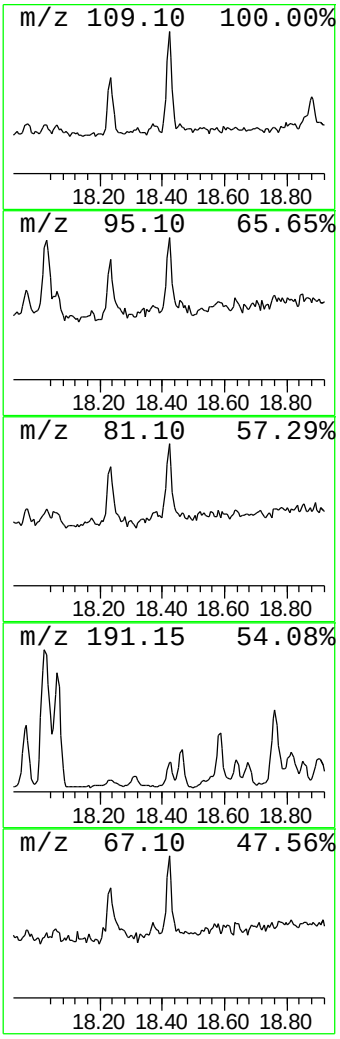
Peak Number 14 18-Norabietane Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.42	2.26 ng/ul	177035	Phenanthrene-d10	16.96

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	18-Norabietane	262	C19H34	1000293-16-6	89
2	2H-1,2,3-Triazole-4-carboxaldehy...	191	C9H6FN3O	051306-43-5	43
3	Pyrazol-4-amine, 1-(4-fluorobenz...	191	C10H10FN3	1000272-83-9	38
4	1,2-Benzooxazine,2-cyclohexyl-4-...	262	C16H26N2O	037898-39-8	35
5	Pyrazol-3-amine, 1-(4-fluorobenz...	191	C10H10FN3	1000272-83-2	35





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Quant Title : SVOA CALIBRATION

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

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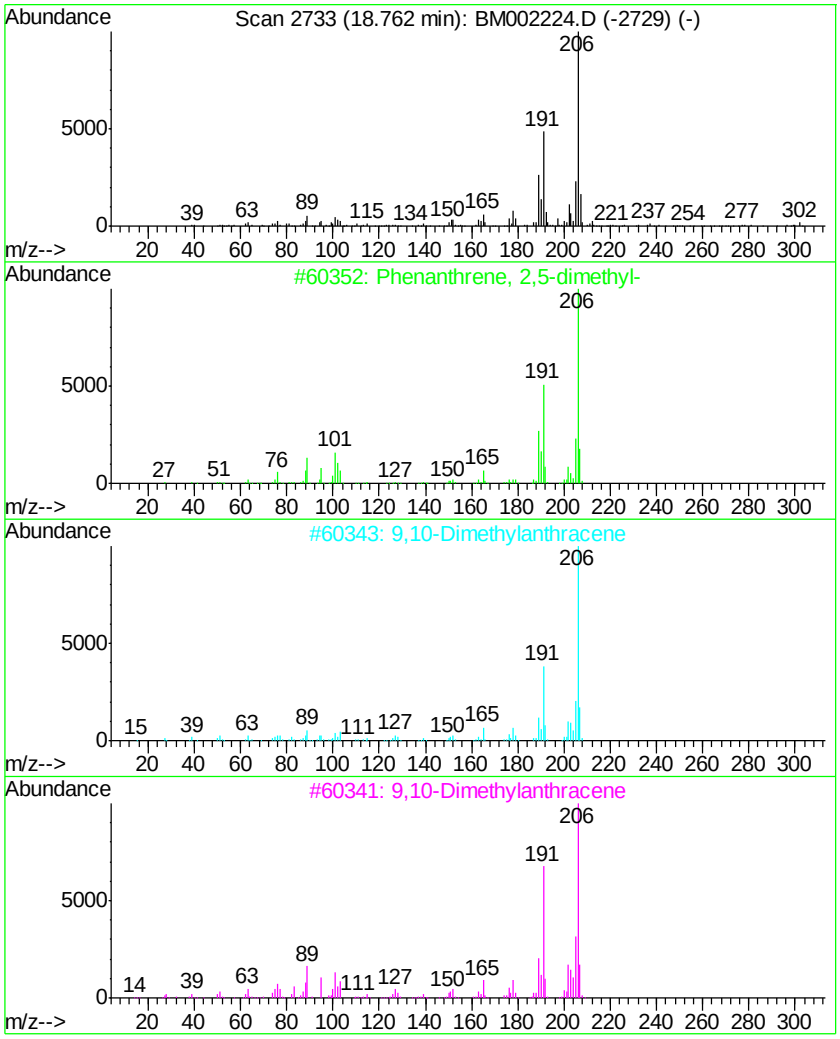
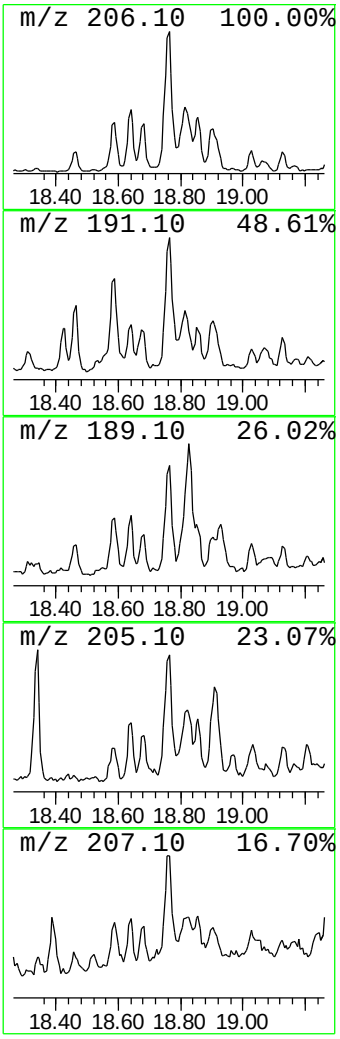
Peak Number 15 Phenanthrene, 2,5-dimethyl- Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.76	3.50 ng/ul	274348	Phenanthrene-d10	16.96

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	96
2	9,10-Dimethylanthracene	206	C16H14	000781-43-1	91
3	9,10-Dimethylanthracene	206	C16H14	000781-43-1	91
4	di-p-Tolylacetylene	206	C16H14	002789-88-0	91
5	Phenanthrene, 1,7-dimethyl-	206	C16H14	000483-87-4	90





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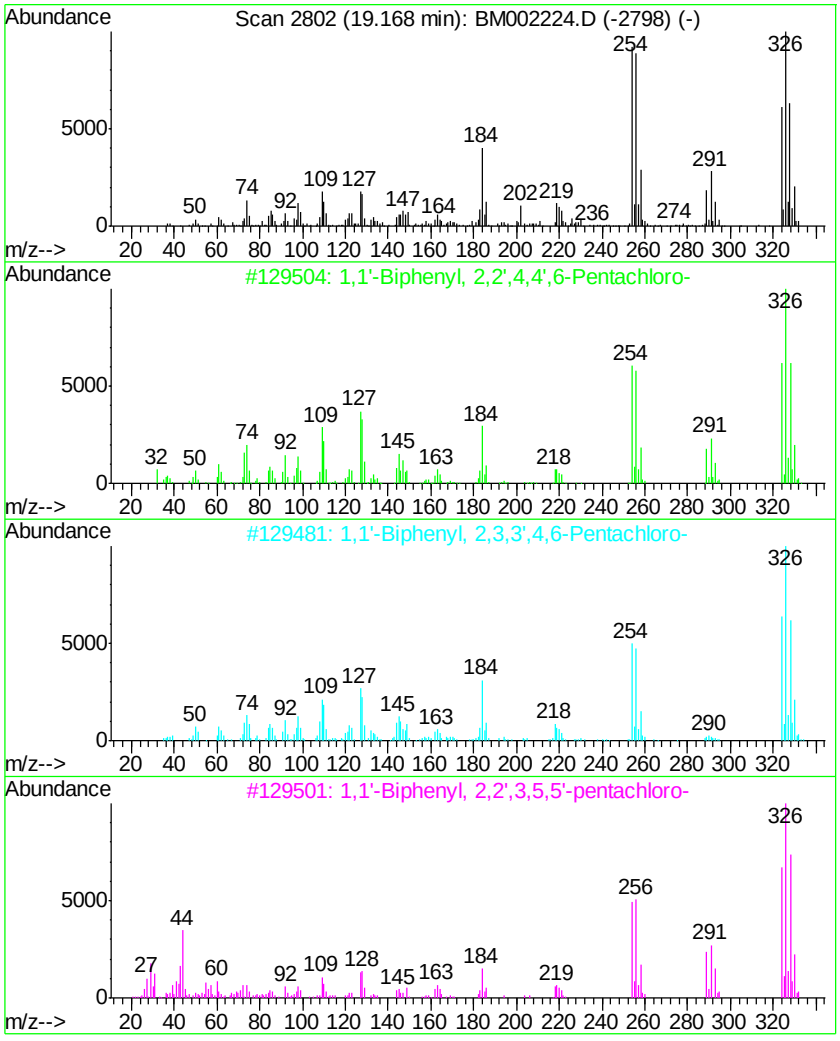
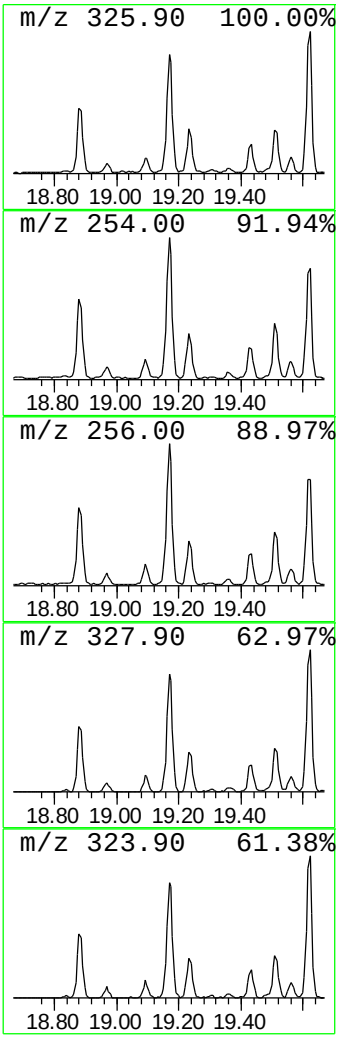
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 16 1,1'-Biphenyl, 2,2',4,4',6-... Concentration Rank 21

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.17	2.12 ng/ul	661382	Chrysene-d12	21.17

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,1'-Biphenyl, 2,2',4,4',6-Penta...	324	C12H5Cl5	039485-83-1	99
2	1,1'-Biphenyl, 2,3,3',4,6-Pentac...	324	C12H5Cl5	074472-35-8	96
3	1,1'-Biphenyl, 2,2',3,5,5'-penta...	324	C12H5Cl5	052663-61-3	96
4	1,1'-Biphenyl, 2,3',4,4',5-penta...	324	C12H5Cl5	031508-00-6	95
5	1,1'-Biphenyl, 2,3,3',4,4'-penta...	324	C12H5Cl5	032598-14-4	95





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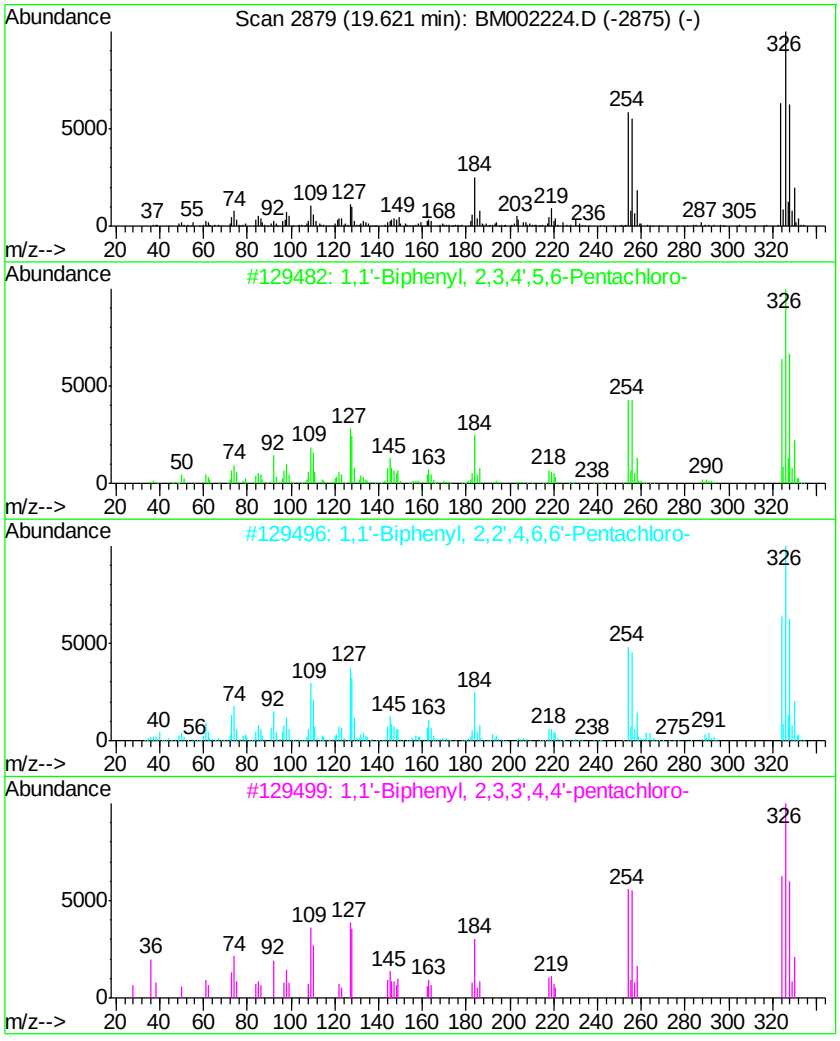
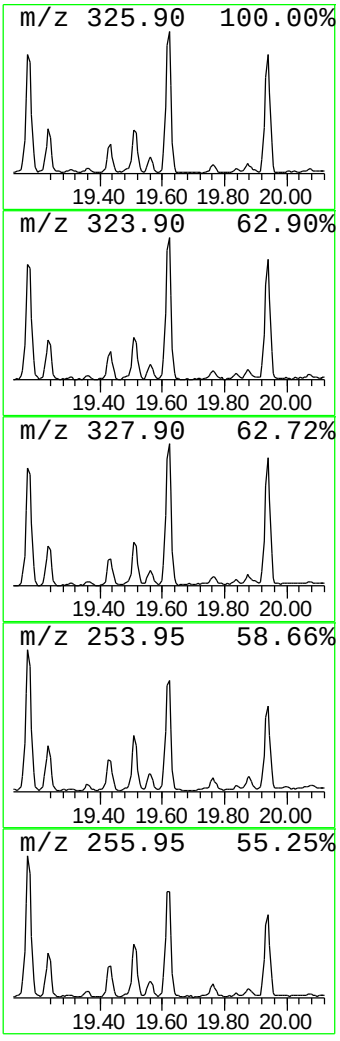
Peak Number 17 1,1'-Biphenyl, 2,3,4',5,6-P... Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.62	2.19 ng/ul	683854	Chrysene-d12	21.17

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,1'-Biphenyl, 2,3,4',5,6-Pentac...	324	C12H5Cl5	068194-11-6	95
2	1,1'-Biphenyl, 2,2',4,6,6'-Penta...	324	C12H5Cl5	056558-16-8	95
3	1,1'-Biphenyl, 2,3,3',4,4'-penta...	324	C12H5Cl5	032598-14-4	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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ALS Vial : 14 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C01Q7RE

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM080415.M
Quant Title : SVOA CALIBRATION

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

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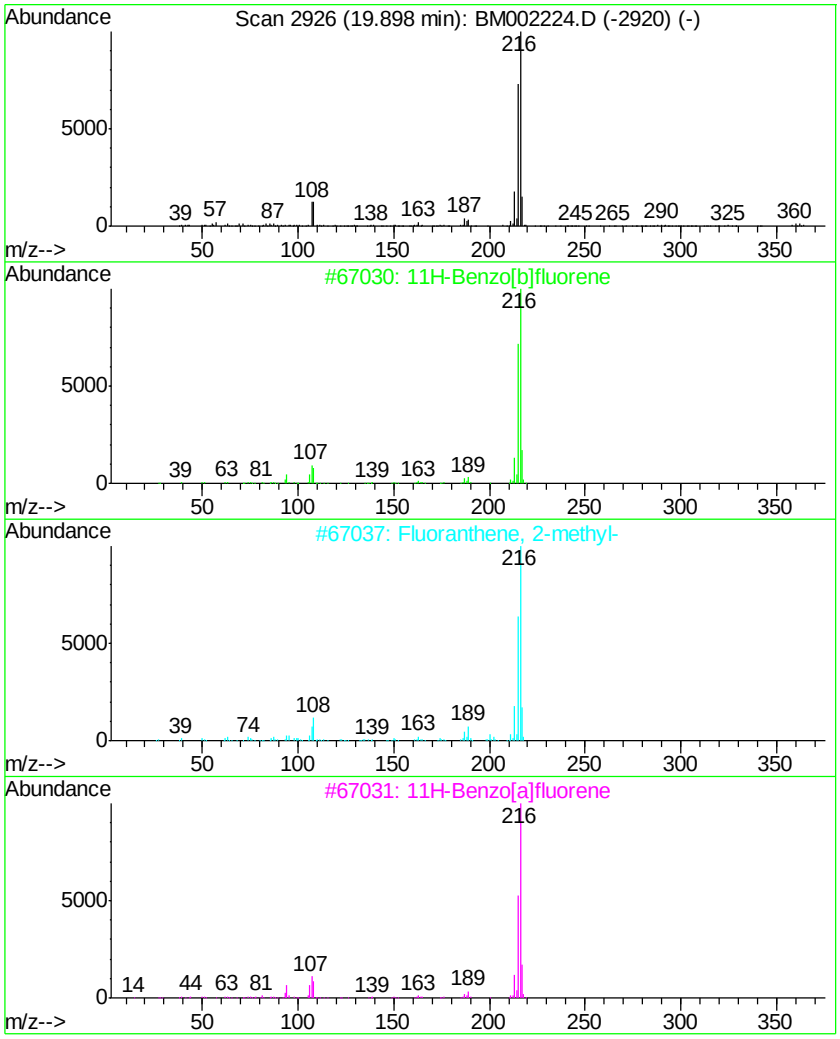
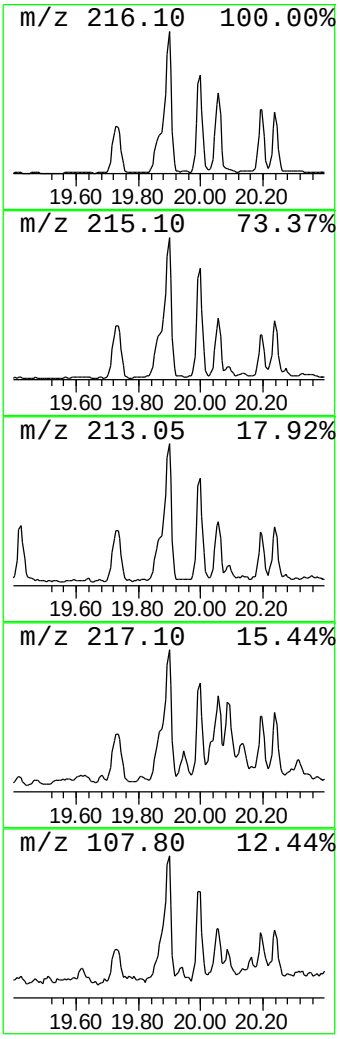
Peak Number 18 11H-Benzo[b]fluorene Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.90	3.75 ng/ul	1172590	Chrysene-d12	21.17

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	94
2	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	93
3	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	90
4	Pyrene, 1-methyl-	216	C17H12	002381-21-7	90
5	Pyrene, 1-methyl-	216	C17H12	002381-21-7	87





Data Path : Z:\HPCHEM1\BNA M\DATA\BM080415\
Data File : BM002224.D
Acq On : 04 Aug 2015 23:55
Operator : TP/UM
Sample : G3095-03RE
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C01Q7RE

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM080415.M
Quant Title : SVOA CALIBRATION

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

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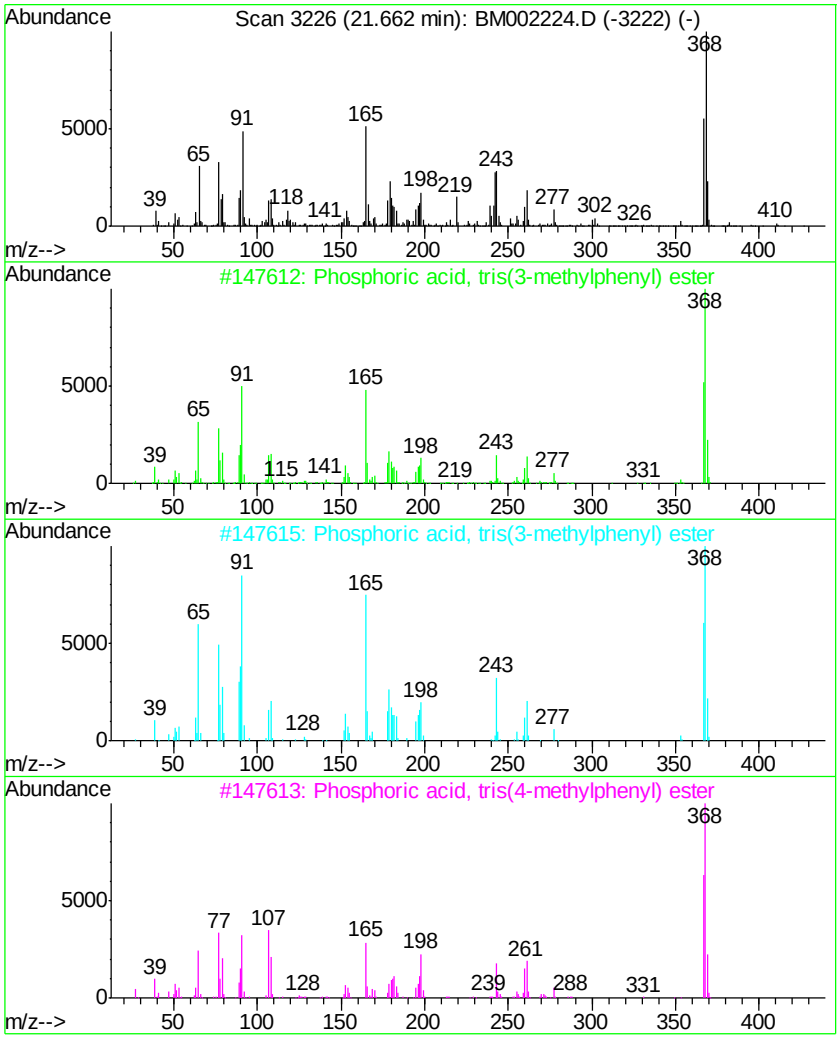
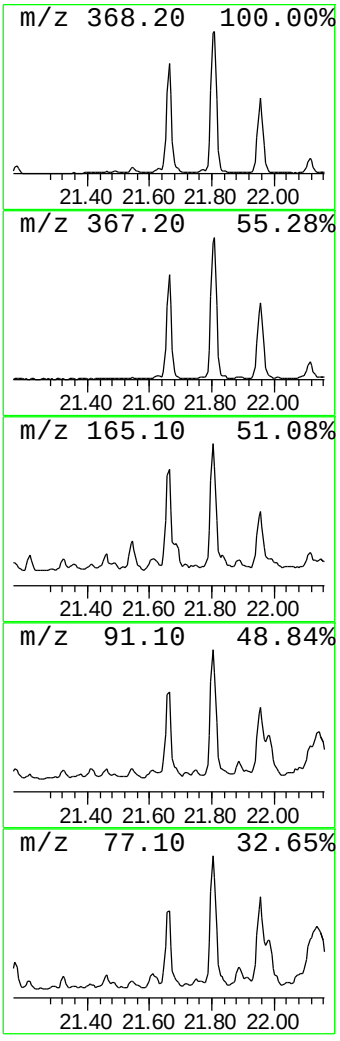
Peak Number 19 Phosphoric acid, tris(3-met... Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.66	4.69 ng/ul	1465350	Chrysene-d12	21.17

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	Phosphoric acid, tris(4-methylph...	368	C21H21O4P	000078-32-0	89
4	Phosphoric acid, tris(2-methylph...	368	C21H21O4P	000078-30-8	70
5	Phosphoric acid, tris(4-methylph...	368	C21H21O4P	000078-32-0	53





Data Path : Z:\HPCHEM1\BNA M\DATA\BM080415\
Data File : BM002224.D
Acq On : 04 Aug 2015 23:55
Operator : TP/UM
Sample : G3095-03RE
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C01Q7RE

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM080415.M
Quant Title : SVOA CALIBRATION

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

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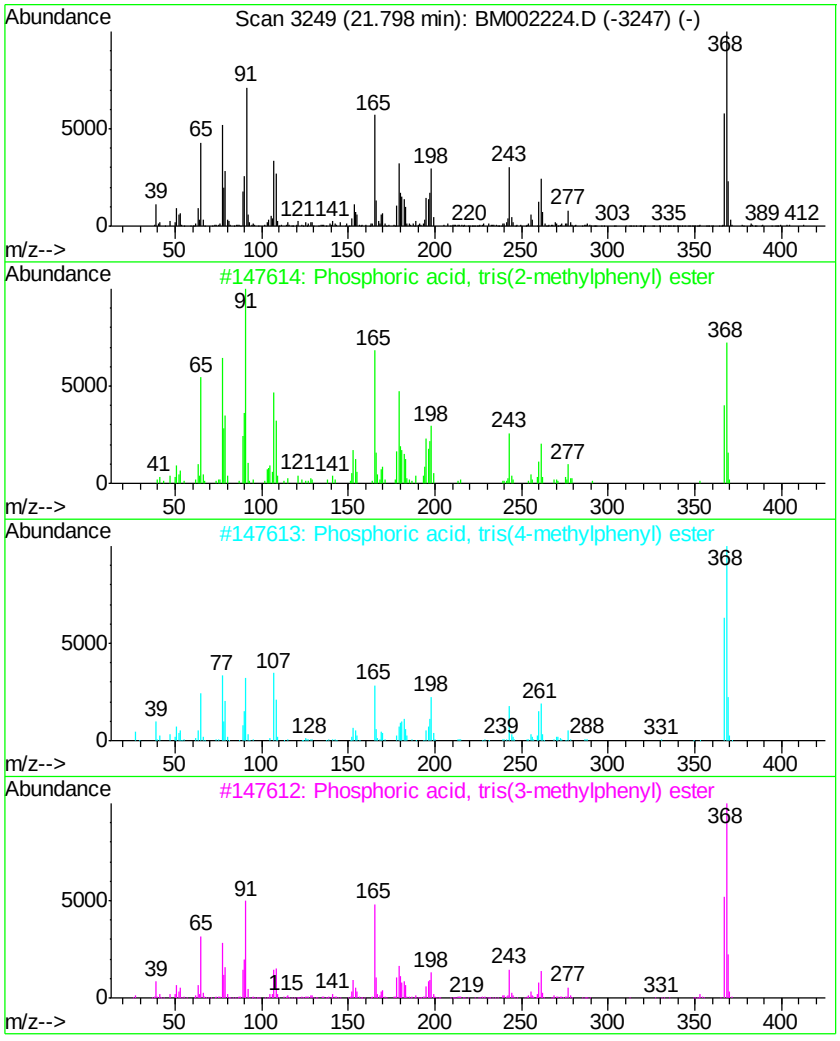
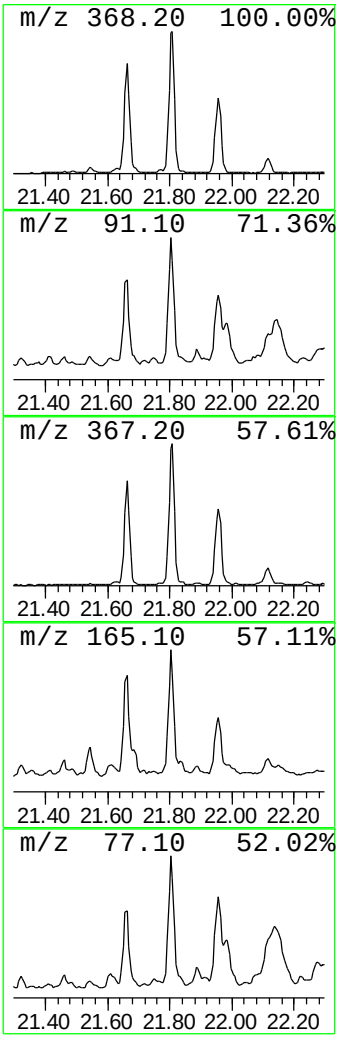
Peak Number 20 Phosphoric acid, tris(2-met... Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.80	6.32 ng/ul	1976720	Chrysene-d12	21.17

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	98
4	Phosphoric acid, tris(3-methylph...	368	C21H21O4P	000563-04-2	97
5	Phosphoric acid, tris(4-methylph...	368	C21H21O4P	000078-32-0	76





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA M\DATA\BM080415\
Data File : BM002224.D
Acq On : 04 Aug 2015 23:55
Operator : TP/UM
Sample : G3095-03RE
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C01Q7RE

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM080415.M
Quant Title : SVOA CALIBRATION

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

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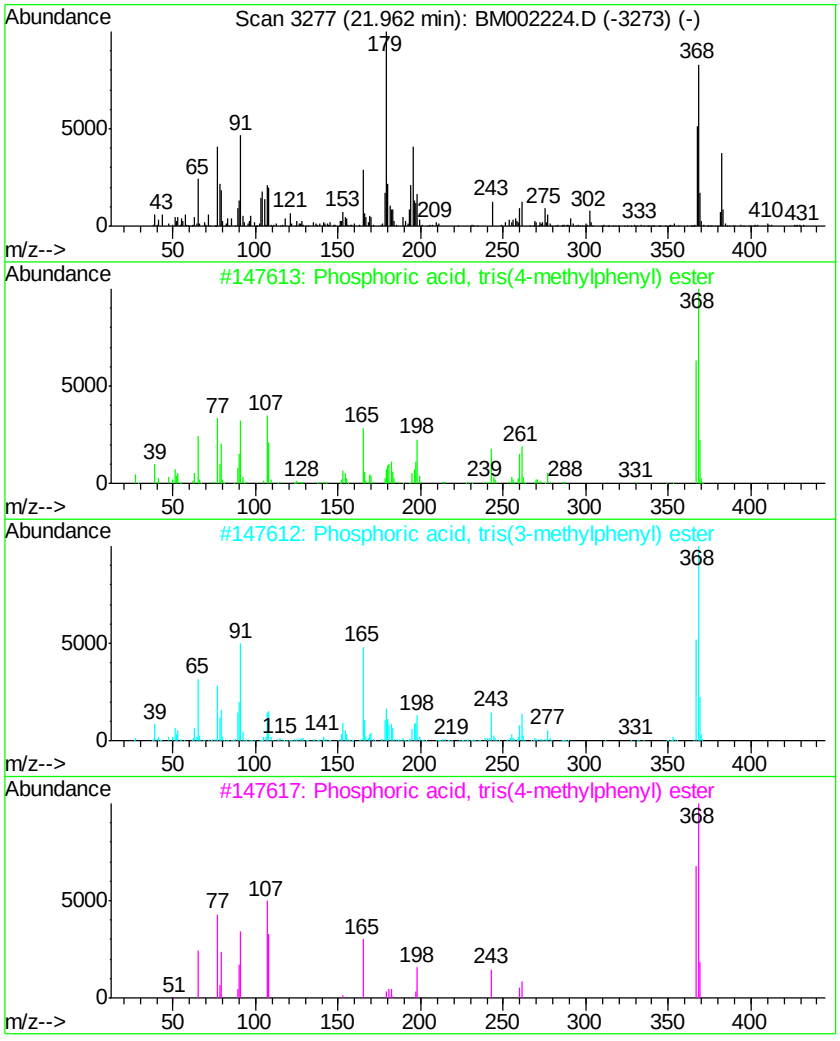
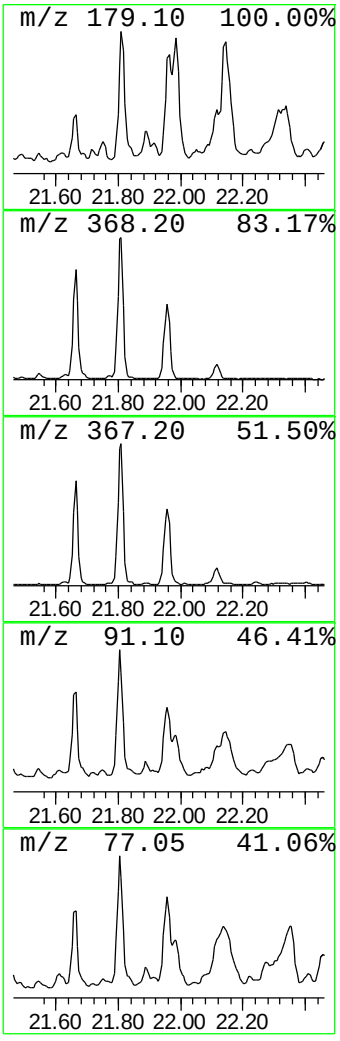
Peak Number 21 Phosphoric acid, tris(4-met... Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.96	2.57 ng/ul	804230	Chrysene-d12	21.17

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	98
3	Phosphoric acid, tris(4-methylph...	368	C21H21O4P	000078-32-0	86
4	[7aS-(7a.alpha.,8a.alpha.,9E,12....	368	C21H24N2O4	030809-15-5	60
5	Phosphoric acid, tris(3-methylph...	368	C21H21O4P	000563-04-2	55





Tentatively Identified Compound (LSC) summary

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM080415\
Data File : BM002224.D
Acq On : 04 Aug 2015 23:55
Operator : TP/UM
Sample : G3095-03RE
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C01Q7RE

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM080415.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
unknown-01	14.02	3.0	ng/ul	205679	3	14.20	1352860	20.0
(DEL) Alkane: Str...	15.94	4.6	ng/ul	359097	4	16.96	1568600	20.0
Dibenzothiophene	16.77	4.7	ng/ul	367264	4	16.96	1568600	20.0
Dibenzothiophene,...	17.54	3.3	ng/ul	254678	4	16.96	1568600	20.0
Phenanthrene, 1-m...	17.83	4.1	ng/ul	321622	4	16.96	1568600	20.0
Phenanthrene, 2-m...	17.88	8.9	ng/ul	702163	4	16.96	1568600	20.0
Anthracene, 2-met...	17.96	2.1	ng/ul	167291	4	16.96	1568600	20.0
4H-Cyclopenta[def...	18.03	13.3	ng/ul	1040300	4	16.96	1568600	20.0
1H-Cyclopropa[l]p...	18.06	4.2	ng/ul	328470	4	16.96	1568600	20.0
unknown-02	18.23	3.8	ng/ul	295572	4	16.96	1568600	20.0
1,2,4,8-Tetrameth...	18.34	2.9	ng/ul	223408	4	16.96	1568600	20.0
9,10-Anthracenedione	18.39	2.4	ng/ul	187678	4	16.96	1568600	20.0
18-Norabietane	18.42	2.3	ng/ul	177035	4	16.96	1568600	20.0
Phenanthrene, 2,5...	18.76	3.5	ng/ul	274348	4	16.96	1568600	20.0
1,1'-Biphenyl, 2,...	19.17	2.1	ng/ul	661382	5	21.17	6251650	20.0
1,1'-Biphenyl, 2,...	19.62	2.2	ng/ul	683854	5	21.17	6251650	20.0
11H-Benzo[b]fluorene	19.90	3.8	ng/ul	1172590	5	21.17	6251650	20.0
Phosphoric acid, ...	21.66	4.7	ng/ul	1465350	5	21.17	6251650	20.0
Phosphoric acid, ...	21.80	6.3	ng/ul	1976720	5	21.17	6251650	20.0
Phosphoric acid, ...	21.96	2.6	ng/ul	804230	5	21.17	6251650	20.0