LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG081116\
Data File : BG023625.D
Acq On : 11 Aug 2016 14:00
Operator : UM/SJ
Sample : H4362-02 2X
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : PR001-SS004-3642-01

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_G\METHODS\SOM02.2-EPA-BG080416.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	4.247	234	240	246	rBV	61279	103142	0.13%	0.058%
2	4.782	324	331	339	rBV	63510	103120	0.13%	0.058%
3	6.985	700	706	711	rBV	61151	98321	0.12%	0.055%
4	7.267	746	754	767	rBV	211267	428721	0.54%	0.239%
5	7.431	774	782	787	rBV	235266	401750	0.50%	0.224%
6	7.643	811	818	826	rVV2	273274	471201	0.59%	0.263%
7	8.113	892	898	902	rBV	784862	1338057	1.67%	0.747%
8	8.166	902	907	925	rVB	3110432	5160618	6.45%	2.880%
9	8.829	1012	1020	1028	rBV3	194666	364847	0.46%	0.204%
10	9.288	1090	1098	1105	rBV	287067	545522	0.68%	0.304%
11	10.022	1216	1223	1232	rBV2	289268	539480	0.67%	0.301%
12	10.351	1271	1279	1284	rBV2	168474	309364	0.39%	0.173%
13	10.574	1310	1317	1332	rVB	389641	745674	0.93%	0.416%
14	10.950	1373	1381	1387	rBV	1199245	2172992	2.71%	1.213%
15	10.997	1387	1389	1397	rVB	56421	93336	0.12%	0.052%
16	11.091	1397	1405	1415	rBV	186116	379612	0.47%	0.212%
17	11.966	1547	1554	1557	rBV7	43447	81263	0.10%	0.045%
18	12.607	1657	1663	1669	rVB	58836	99852	0.12%	0.056%
19	12.824	1695	1700	1706	rBV2	65583	107860	0.13%	0.060%
20	13.964	1884	1894	1900	rBV6	74854	196877	0.25%	0.110%
21	14.099	1912	1917	1923	rVV2	107883	193991	0.24%	0.108%
22	14.181	1923	1931	1935	rVV	728156	1200307	1.50%	0.670%
23	14.228	1935	1939	1946	rVB	438104	648637	0.81%	0.362%
24	14.340	1951	1958	1961	rBV	63045	94948	0.12%	0.053%
25	14.422	1966	1972	1976	rVV3	128291	263452	0.33%	0.147%
26	14.481	1976	1982	1997	rVB2	788317	1551866	1.94%	0.866%
27	14.786	2023	2034	2041	rBV2	1871376	3140489	3.92%	1.753%
28	14.851	2041	2045	2053	rVB2	105016	178268	0.22%	0.099%
29	15.015	2062	2073	2078	rBV7	104967	277603	0.35%	0.155%
30	15.186	2093	2102	2110	rBV4	263168	536732	0.67%	0.300%
31	15.256	2110	2114	2122	rVB2	109619	185452	0.23%	0.103%
32	15.397	2133	2138	2143	rBV2	92694	161808	0.20%	0.090%
33	15.573	2160	2168	2171	rBV6	73156	180636	0.23%	0.101%
34	15.608	2171	2174	2178	rVB2	128882	166251	0.21%	0.093%

LSC Area Percent Report

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Acq On : 11 Aug 2016 14:00
Operator : UM/SJ
Sample : H4362-02 2X
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : PR001-SS004-3642-01

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_G\METHODS\SOM02.2-EPA-BG080416.M
Title : SVOA CALIBRATION

35	15.785	2198	2204	2209	rBV	979061	1499919	1.87%	0.837%
36	15.832	2209	2212	2221	rVB4	92013	185867	0.23%	0.104%
37	15.920	2223	2227	2232	rBV7	49559	98112	0.12%	0.055%
38	16.008	2237	2242	2247	rBV7	45299	82696	0.10%	0.046%
39	16.131	2258	2263	2268	rVB	119976	185504	0.23%	0.104%
40	16.284	2283	2289	2296	rBV3	148004	384750	0.48%	0.215%
41	16.360	2297	2302	2309	rVB	278513	484496	0.61%	0.270%
42	16.478	2317	2322	2324	rBV	113103	167641	0.21%	0.094%
43	16.507	2324	2327	2336	rVB6	113961	205264	0.26%	0.115%
44	16.842	2376	2384	2385	rBV8	75168	169303	0.21%	0.094%
45	17.071	2417	2423	2427	rBV5	119139	235166	0.29%	0.131%
46	17.200	2441	2445	2452	rVB	294398	443379	0.55%	0.247%
47	17.271	2453	2457	2463	rBV3	174799	277489	0.35%	0.155%
48	17.371	2470	2474	2480	rVB	202064	291235	0.36%	0.163%
49	17.553	2499	2505	2508	rBV	1939838	2887146	3.61%	1.611%
50	17.594	2508	2512	2517	rVV	2900711	4436408	5.54%	2.476%
51	17.653	2517	2522	2525	rVV2	894892	1388227	1.73%	0.775%
52	17.688	2525	2528	2532	rVB	487846	666141	0.83%	0.372%
53	17.964	2567	2575	2581	rBV3	170812	424091	0.53%	0.237%
54	18.017	2582	2584	2589	rVV4	113249	127263	0.16%	0.071%
55	18.070	2589	2593	2598	rVV	118859	166602	0.21%	0.093%
56	18.134	2600	2604	2612	rVB	203452	330363	0.41%	0.184%
57	18.281	2625	2629	2635	rVB2	76772	129666	0.16%	0.072%
58	18.358	2639	2642	2646	rVV3	64173	90747	0.11%	0.051%
59	18.428	2649	2654	2659	rVV2	1303317	2279321	2.85%	1.272%
60	18.481	2659	2663	2671	rVV2	925297	1550965	1.94%	0.866%
61	18.557	2673	2676	2681	rVB	213146	300167	0.37%	0.168%
62	18.622	2681	2687	2691	rBV2	647382	1237153	1.55%	0.690%
63	18.663	2691	2694	2699	rVB	579704	799358	1.00%	0.446%
64	18.710	2699	2702	2704	rBV	67179	82983	0.10%	0.046%
65	18.927	2734	2739	2743	rBV	453185	659618	0.82%	0.368%
66	18.974	2743	2747	2755	rVB2	357462	623377	0.78%	0.348%
67	19.145	2773	2776	2777	rBV3	106460	118019	0.15%	0.066%
68	19.168	2777	2780	2784	rVV2	271499	396665	0.50%	0.221%
69	19.221	2785	2789	2793	rVV	362998	496501	0.62%	0.277%
70	19.262	2793	2796	2799	rVB	214524	252821	0.32%	0.141%
71	19.345	2805	2810	2814	rBV	832377	1299314	1.62%	0.725%

LSC Area Percent Report

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Acq On : 11 Aug 2016 14:00
Operator : UM/SJ
Sample : H4362-02 2X
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : PR001-SS004-3642-01

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_G\METHODS\SOM02.2-EPA-BG080416.M
Title : SVOA CALIBRATION

72	19.392	2815	2818	2823	rVV3	306990	604791	0.76%	0.338%
73	19.433	2823	2825	2829	rVB2	254025	289592	0.36%	0.162%
74	19.491	2829	2835	2840	rBV2	576759	1098932	1.37%	0.613%
75	19.609	2850	2855	2861	rBV	3770251	5679023	7.09%	3.169%
76	19.668	2861	2865	2866	rBV	201933	243812	0.30%	0.136%
77	19.697	2866	2870	2877	rVB3	676857	1144125	1.43%	0.638%
78	19.944	2906	2912	2914	rBV2	1354686	2286382	2.86%	1.276%
79	19.973	2914	2917	2924	rVB	4049646	5920319	7.40%	3.304%
80	20.038	2924	2928	2935	rBV3	485856	785737	0.98%	0.438%
81	20.202	2953	2956	2962	rVB3	210507	423189	0.53%	0.236%
82	20.455	2991	2999	3006	rVB2	537598	1507829	1.88%	0.841%
83	20.619	3024	3027	3031	rVB	695693	951797	1.19%	0.531%
84	20.766	3048	3052	3055	rBV	626110	869338	1.09%	0.485%
85	20.813	3056	3060	3063	rVB	430063	593200	0.74%	0.331%
86	21.201	3122	3126	3130	rBV3	470942	719025	0.90%	0.401%
87	21.242	3130	3133	3141	rVB	705007	1089577	1.36%	0.608%
88	21.477	3171	3173	3178	rVB2	405227	519687	0.65%	0.290%
89	21.765	3211	3222	3227	rBV	36097471	80047392	100.00%	44.671%
90	21.871	3233	3240	3246	rBV2	2343102	6800378	8.50%	3.795%
91	21.929	3246	3250	3262	rVB	2017799	3799394	4.75%	2.120%
92	23.004	3428	3433	3439	rVB	1083075	1927664	2.41%	1.076%
93	24.197	3629	3636	3644	rBV	1120538	3719161	4.65%	2.076%
94	24.667	3710	3716	3725	rBV	1250647	2941299	3.67%	1.641%
95	24.966	3761	3767	3775	rBV	625042	1551076	1.94%	0.866%
96	25.125	3787	3794	3804	rVB	1073873	2978045	3.72%	1.662%
97	25.284	3813	3821	3830	rBV	952511	2724715	3.40%	1.521%

Sum of corrected areas: 179191265

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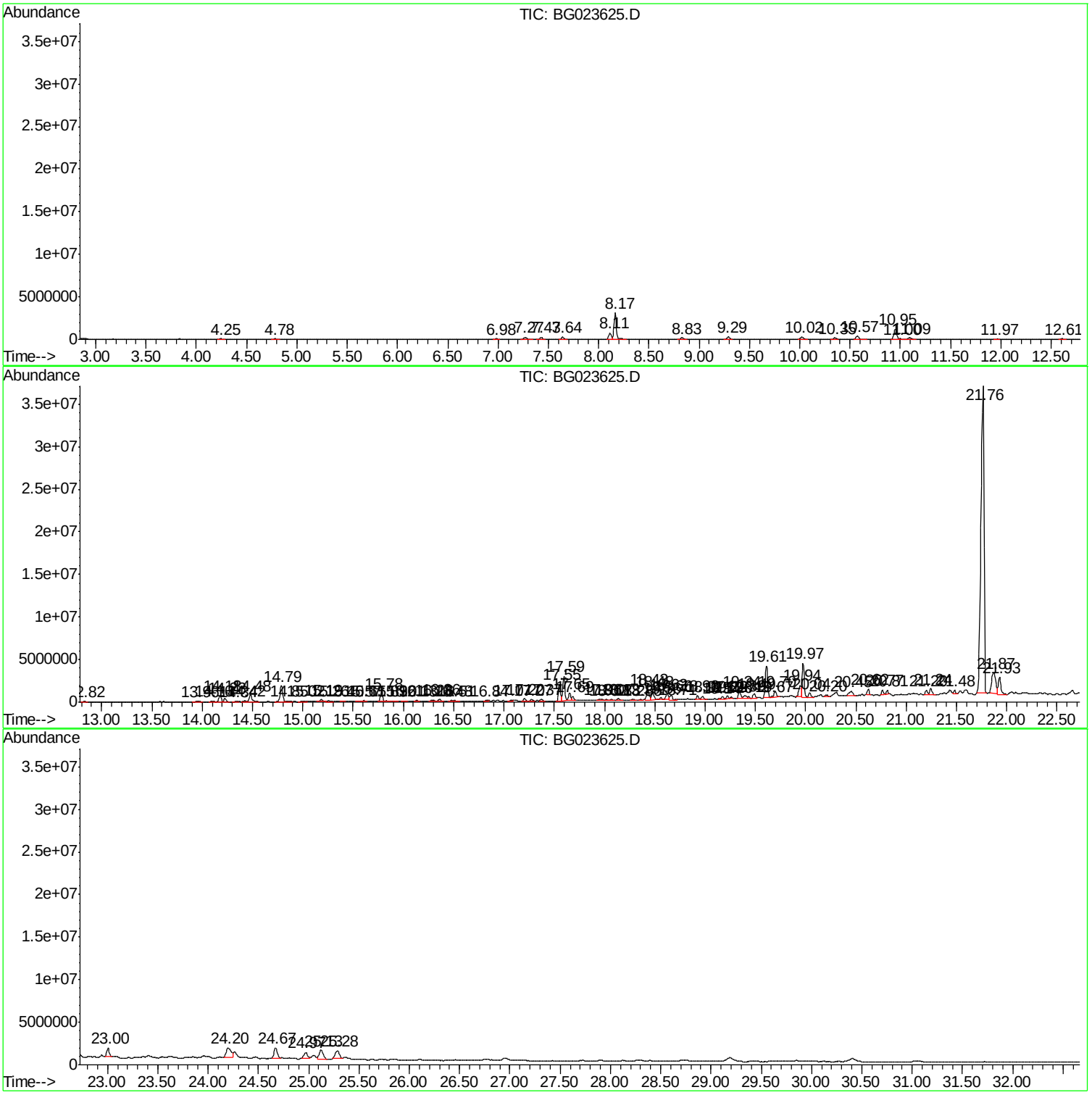
Sample : H4362-02 2X
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
PR001-SS004-3642-01

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG080416.M
Quant Title : SVOA CALIBRATION

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



Data Path : Z:\HPCHEM1\BNA_G\DATA\BG081116\
Data File : BG023625.D
Acq On : 11 Aug 2016 14:00
Operator : UM/SJ
Sample : H4362-02 2X
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : PR001-SS004-3642-01

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG080416.M
Quant Title : SVOA CALIBRATION

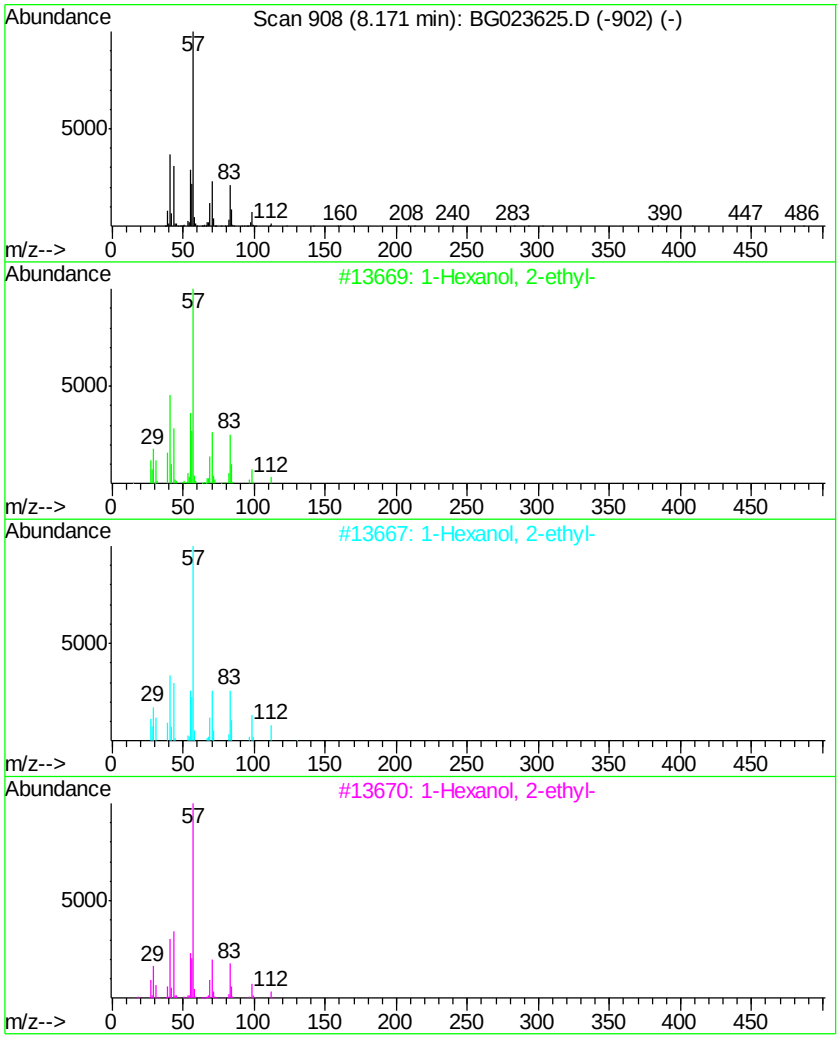
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

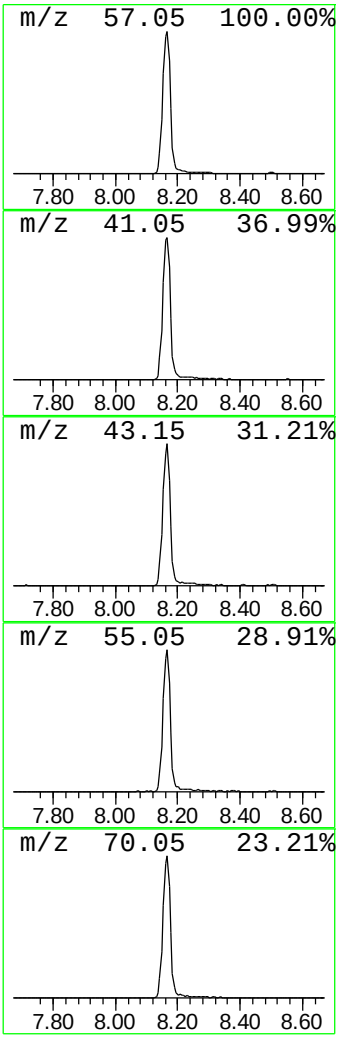
****

Peak Number 1 1-Hexanol, 2-ethyl- Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.17	77.14 ng/ul	5160620	1,4-Dichlorobenzene-d4	8.11

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Hexanol, 2-ethyl-	130	C8H18O	000104-76-7	83
2	1-Hexanol, 2-ethyl-	130	C8H18O	000104-76-7	83
3	1-Hexanol, 2-ethyl-	130	C8H18O	000104-76-7	78
4	2-Propyl-1-pentanol	130	C8H18O	058175-57-8	50
5	2-Propyl-1-pentanol	130	C8H18O	058175-57-8	50





Data Path : Z:\HPCHEM1\BNA_G\DATA\BG081116\
Data File : BG023625.D
Acq On : 11 Aug 2016 14:00
Operator : UM/SJ
Sample : H4362-02 2X
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : PR001-SS004-3642-01

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG080416.M
Quant Title : SVOA CALIBRATION

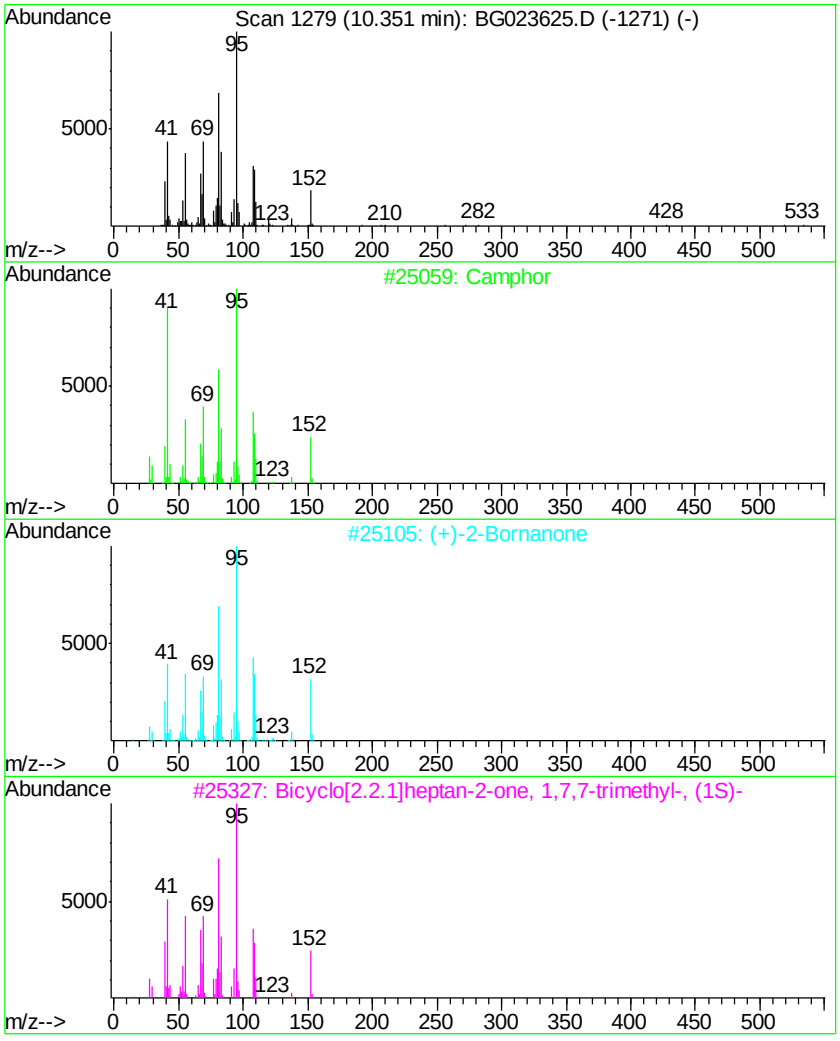
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

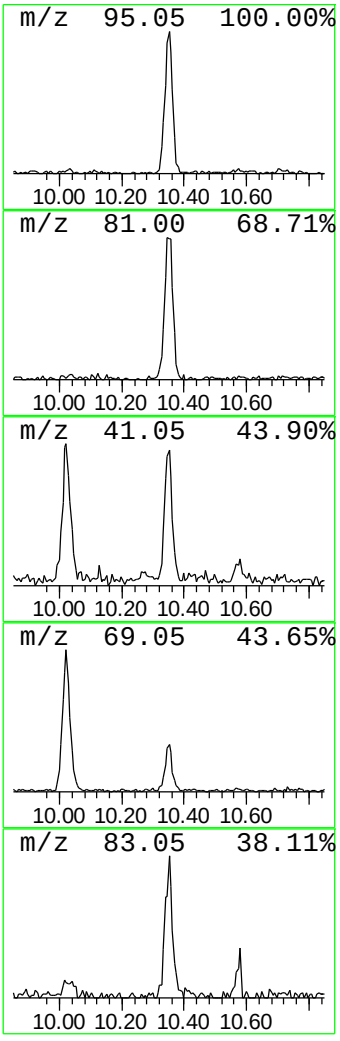
****

Peak Number 2 Camphor Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.35	2.85 ng/ul	309364	Naphthalene-d8	10.95

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Camphor	152	C10H16O	000076-22-2	97
2	(+)-2-Bornanone	152	C10H16O	000464-49-3	97
3	Bicyclo[2.2.1]heptan-2-one, 1,7,...	152	C10H16O	000464-48-2	97
4	Bicyclo[2.2.1]heptan-2-one, 1,7,...	152	C10H16O	000464-48-2	97
5	(+)-2-Bornanone	152	C10H16O	000464-49-3	96





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG081116\
Data File : BG023625.D
Acq On : 11 Aug 2016 14:00
Operator : UM/SJ
Sample : H4362-02 2X
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : PR001-SS004-3642-01

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG080416.M
Quant Title : SVOA CALIBRATION

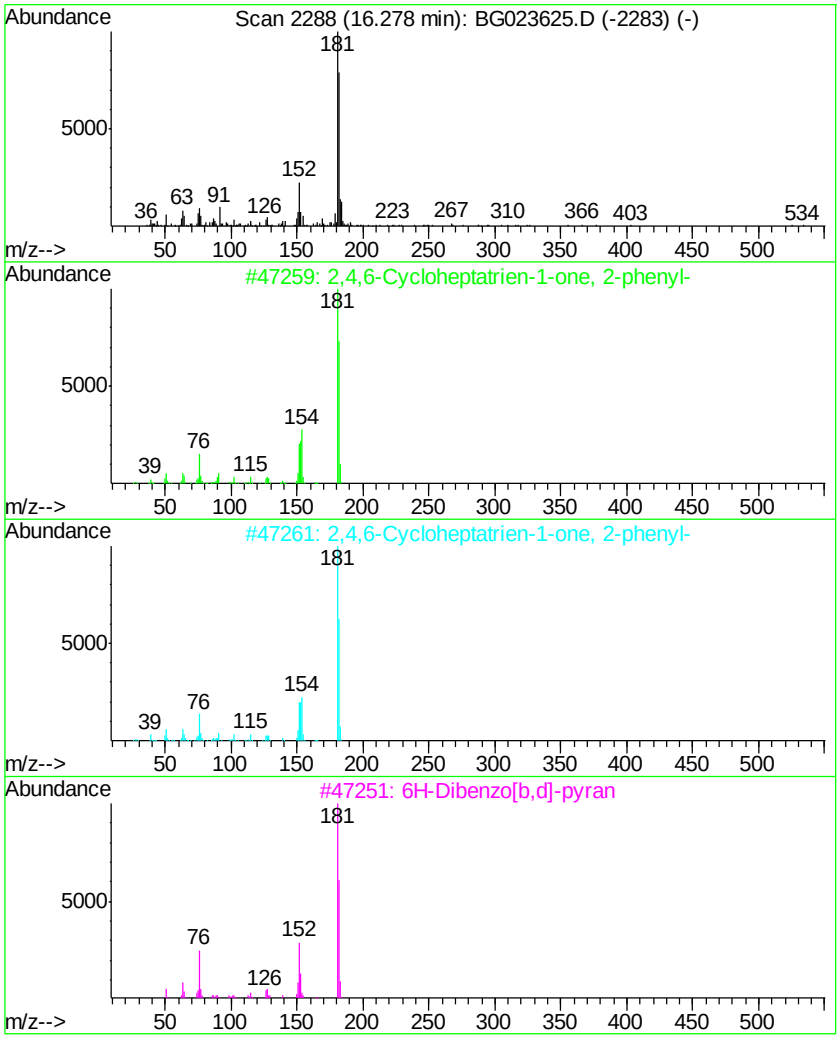
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

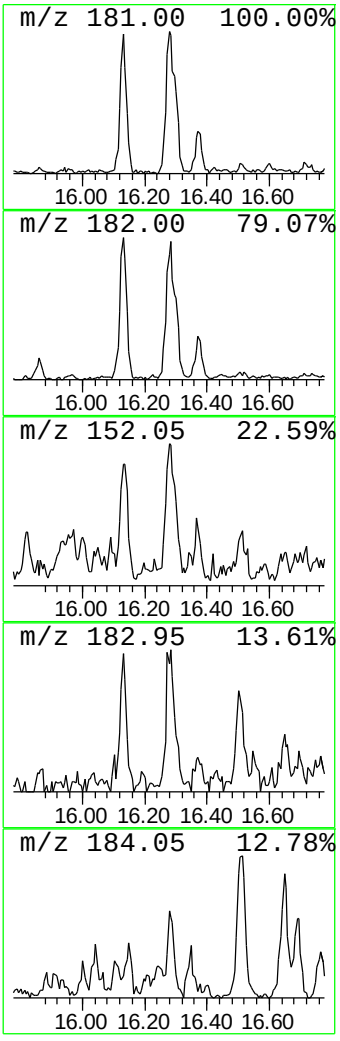
****

Peak Number 3 2,4,6-Cycloheptatrien-1-one... Concentration Rank 21

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.28	2.67 ng/ul	384750	Phenanthrene-d10	17.55

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2,4,6-Cycloheptatrien-1-one, 2-p...	182	C13H10O	014562-09-5	83
2	2,4,6-Cycloheptatrien-1-one, 2-p...	182	C13H10O	014562-09-5	83
3	6H-Dibenzo[b,d]-pyran	182	C13H10O	000229-95-8	78
4	9H-Fluoren-9-ol	182	C13H10O	001689-64-1	72
5	[1,1'-Biphenyl]-4-carboxaldehyde	182	C13H10O	003218-36-8	64





Data Path : Z:\HPCHEM1\BNA_G\DATA\BG081116\
Data File : BG023625.D
Acq On : 11 Aug 2016 14:00
Operator : UM/SJ
Sample : H4362-02 2X
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : PR001-SS004-3642-01

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG080416.M
Quant Title : SVOA CALIBRATION

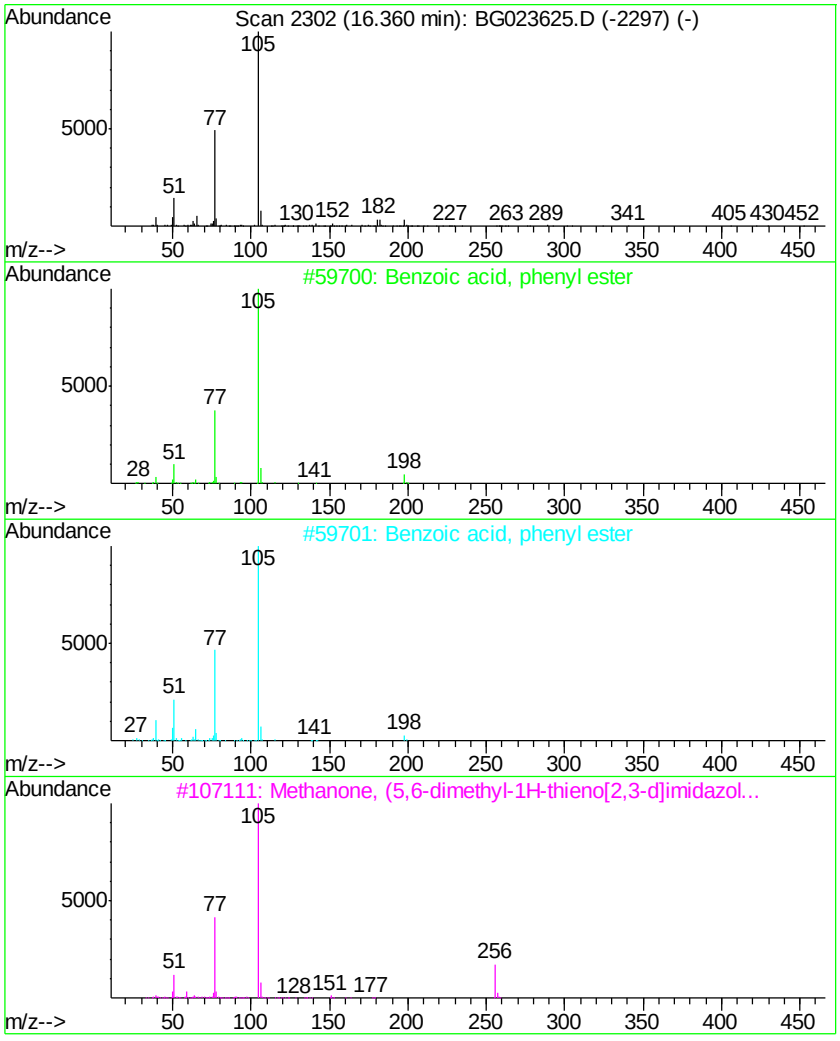
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

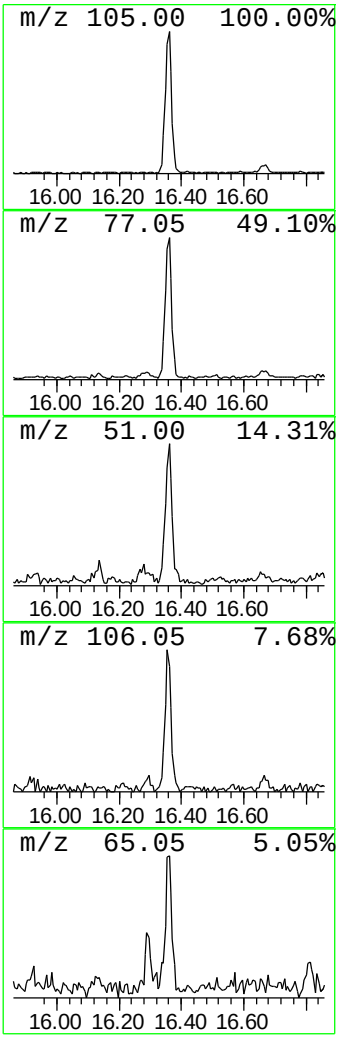
****

Peak Number 4 Benzoic acid, phenyl ester Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.36	3.36 ng/ul	484496	Phenanthrene-d10	17.55

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzoic acid, phenyl ester	198	C13H10O2	000093-99-2	83
2	Benzoic acid, phenyl ester	198	C13H10O2	000093-99-2	76
3	Methanone, (5,6-dimethyl-1H-thie...	256	C14H12N2OS	1000350-07-2	72
4	Benzeneacetic acid, .alpha.-oxo-...	164	C9H8O3	015206-55-0	72
5	Benzoylformic acid	150	C8H6O3	000611-73-4	72





Data Path : Z:\HPCHEM1\BNA_G\DATA\BG081116\
Data File : BG023625.D
Acq On : 11 Aug 2016 14:00
Operator : UM/SJ
Sample : H4362-02 2X
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : PR001-SS004-3642-01

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG080416.M
Quant Title : SVOA CALIBRATION

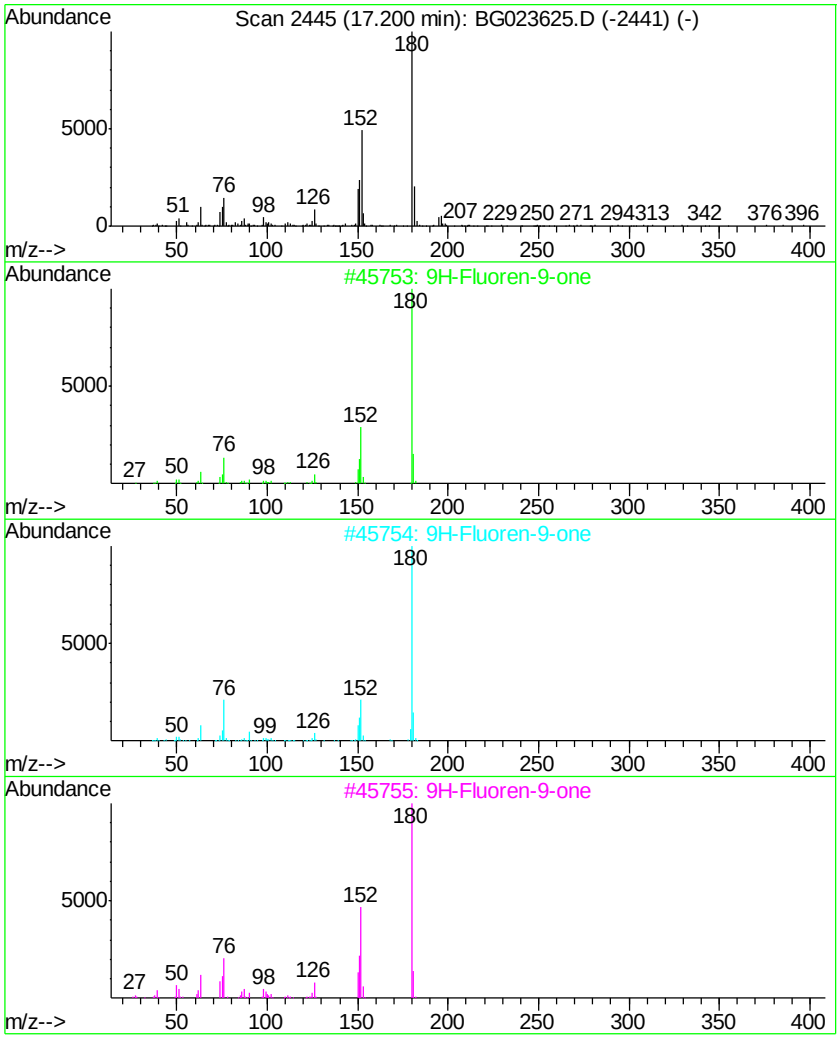
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

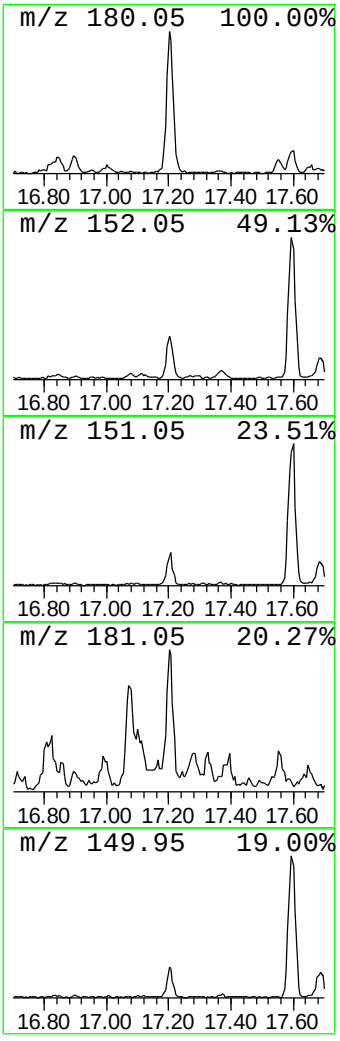
****

Peak Number 5 9H-Fluoren-9-one Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.20	3.07 ng/ul	443379	Phenanthrene-d10	17.55

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9H-Fluoren-9-one	180	C13H8O	000486-25-9	87
2	9H-Fluoren-9-one	180	C13H8O	000486-25-9	83
3	9H-Fluoren-9-one	180	C13H8O	000486-25-9	80
4	9H-Fluoren-9-one	180	C13H8O	000486-25-9	76
5	9,10-Phenanthrenedione	208	C14H8O2	000084-11-7	72





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Acq On : 11 Aug 2016 14:00
Operator : UM/SJ
Sample : H4362-02 2X
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : PR001-SS004-3642-01

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG080416.M
Quant Title : SVOA CALIBRATION

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

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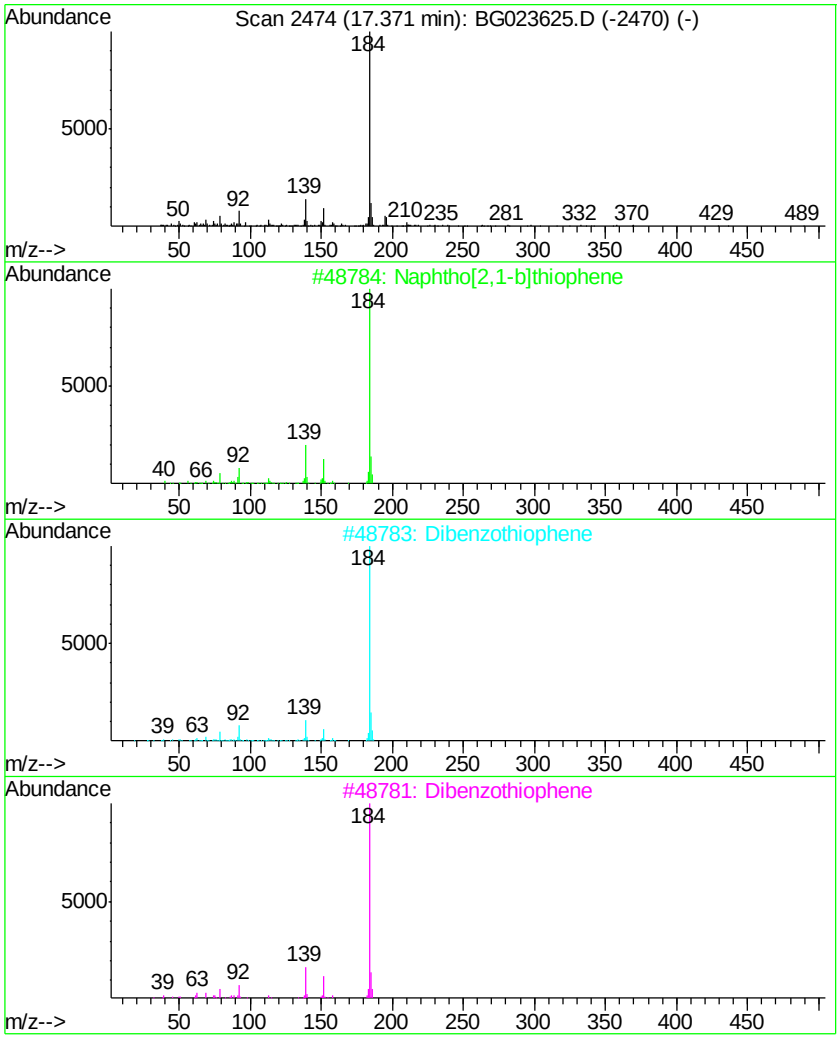
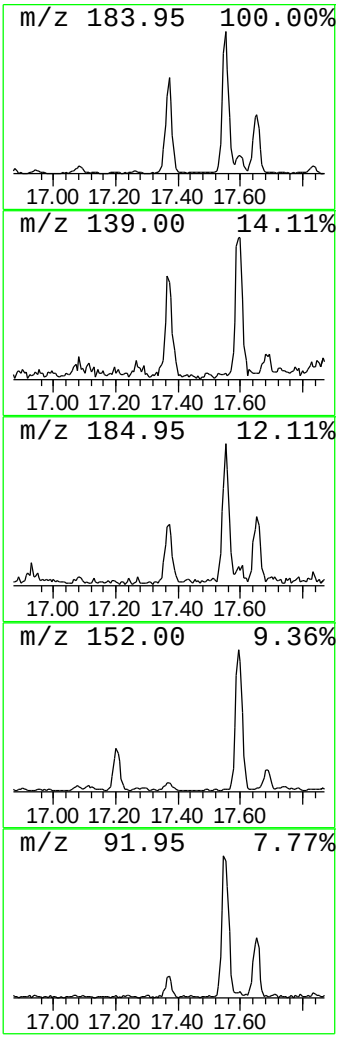
Peak Number 6 Naphtho[2,1-b]thiophene Concentration Rank 27

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.37	2.02 ng/ul	291235	Phenanthrene-d10	17.55

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphtho[2,1-b]thiophene	184	C12H8S	000233-02-3	91
2	Dibenzothiophene	184	C12H8S	000132-65-0	87
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





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Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : PR001-SS004-3642-01

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG080416.M
Quant Title : SVOA CALIBRATION

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

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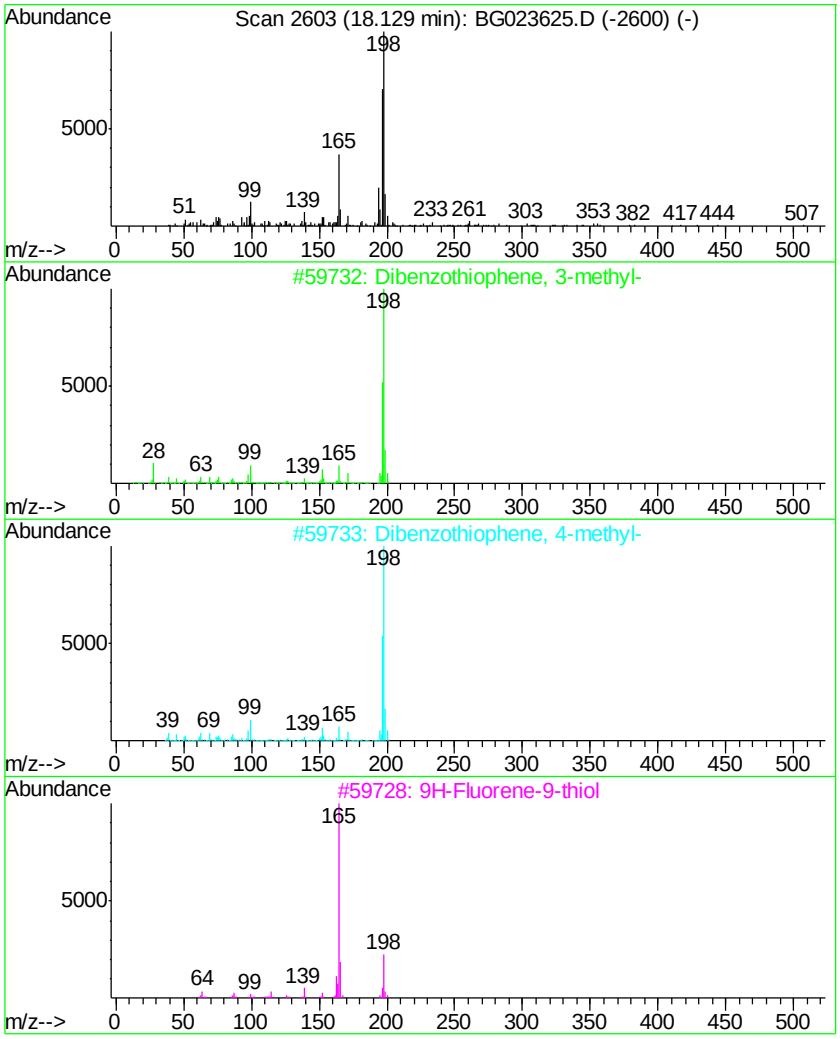
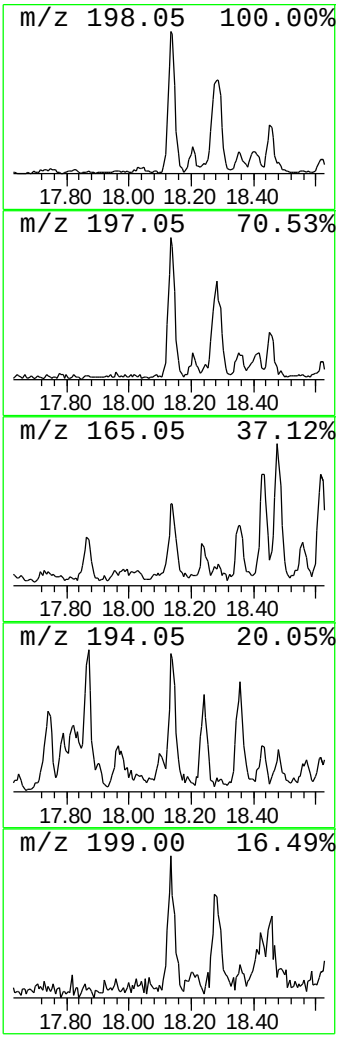
Peak Number 7 Dibenzothiophene, 3-methyl- Concentration Rank 24

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.13	2.29 ng/ul	330363	Phenanthrene-d10	17.55

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dibenzothiophene, 3-methyl-	198	C13H10S	016587-52-3	83
2	Dibenzothiophene, 4-methyl-	198	C13H10S	007372-88-5	60
3	9H-Fluorene-9-thiol	198	C13H10S	019552-08-0	59
4	1-Methyldibenzothiophene	198	C13H10S	031317-07-4	52
5	Thioxanthene	198	C13H10S	000261-31-4	49





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Sample : H4362-02 2X
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : PR001-SS004-3642-01

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG080416.M
Quant Title : SVOA CALIBRATION

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

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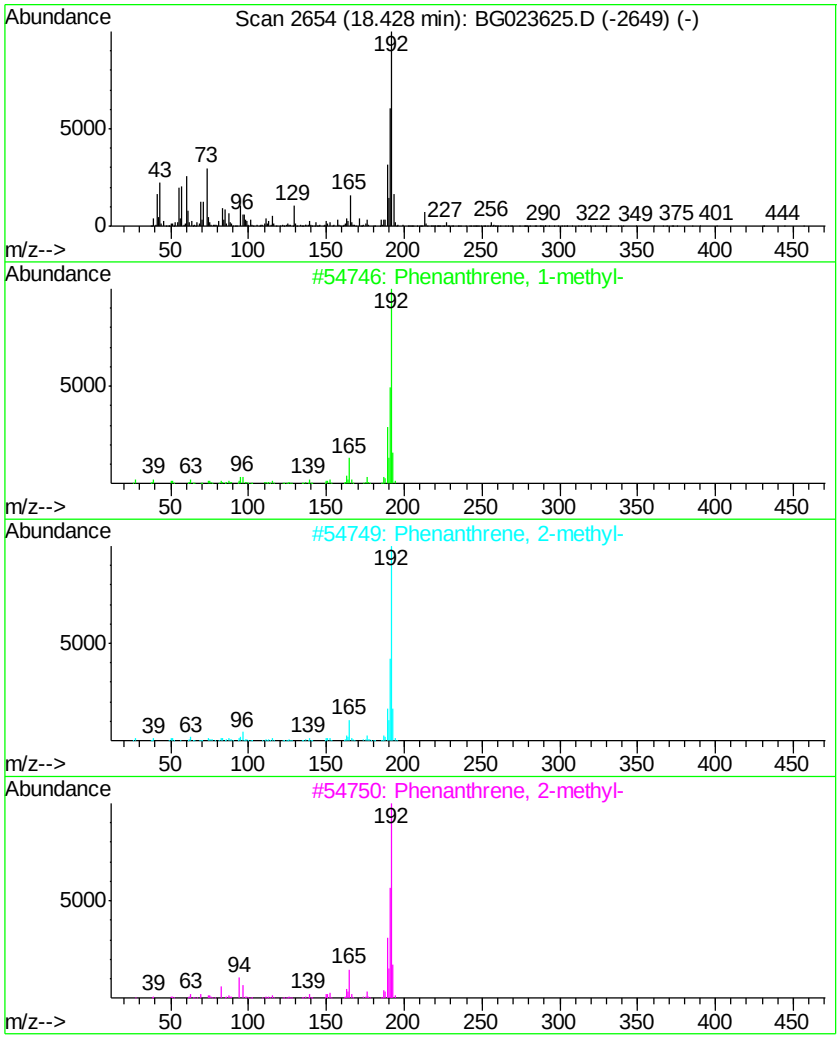
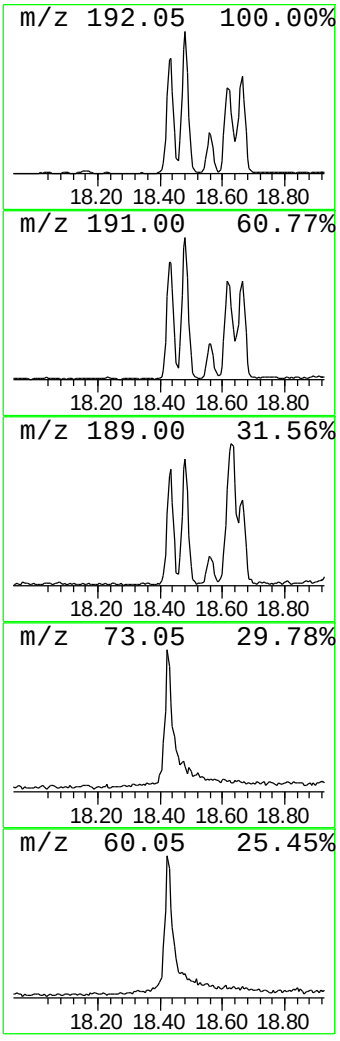
Peak Number 8 Phenanthrene, 1-methyl- Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.43	15.79 ng/ul	2279320	Phenanthrene-d10	17.55

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	97
2	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	96
3	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	96
4	Anthracene, 2-methyl-	192	C15H12	000613-12-7	96
5	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	93





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Instrument : BNA_G
ClientSampleId : PR001-SS004-3642-01

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Quant Title : SVOA CALIBRATION

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

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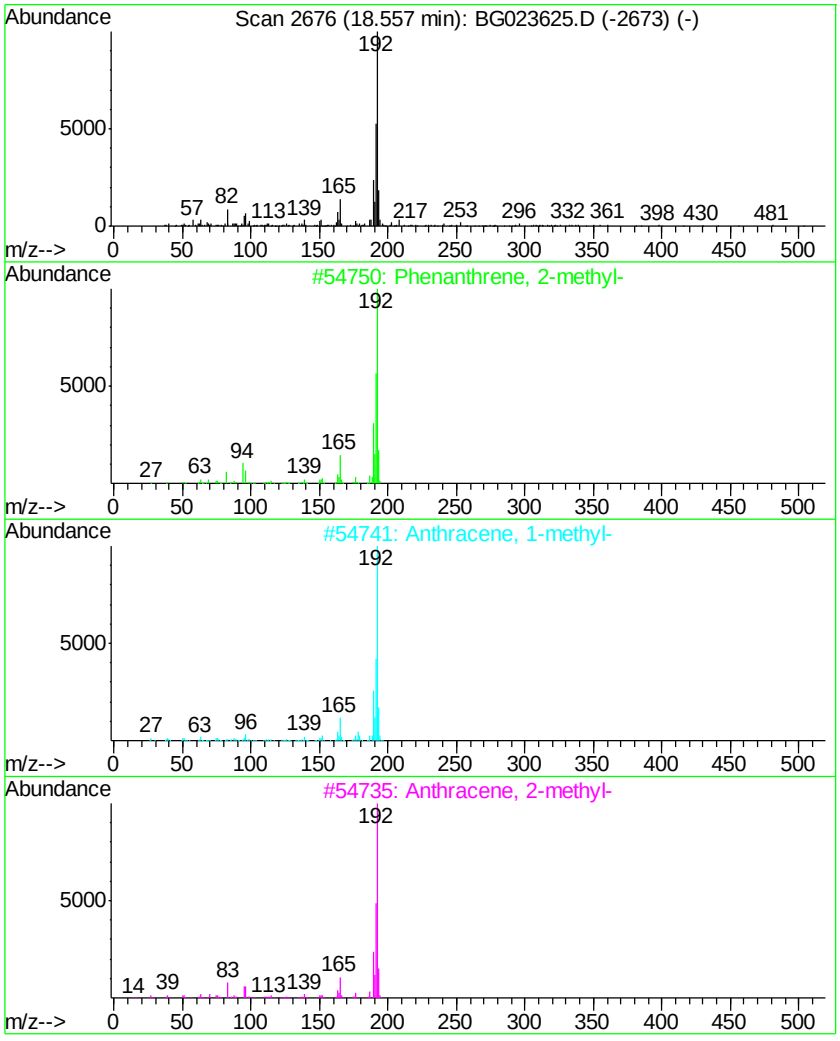
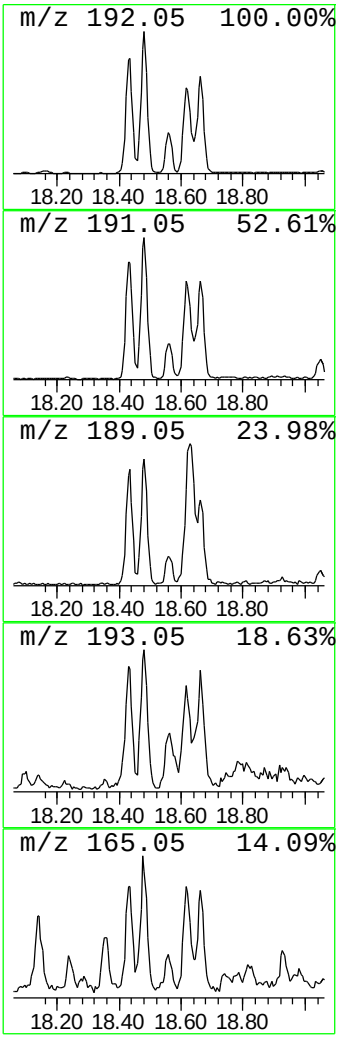
Peak Number 9 Phenanthrene, 2-methyl- Concentration Rank 26

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.56	2.08 ng/ul	300167	Phenanthrene-d10	17.55

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	95
2	Anthracene, 1-methyl-	192	C15H12	000610-48-0	95
3	Anthracene, 2-methyl-	192	C15H12	000613-12-7	94
4	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	93
5	Phenanthrene, 3-methyl-	192	C15H12	000832-71-3	93





Library Search Compound Report

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Sample : H4362-02 2X
Misc :
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Instrument : BNA_G
ClientSampleId : PR001-SS004-3642-01

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Quant Title : SVOA CALIBRATION

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

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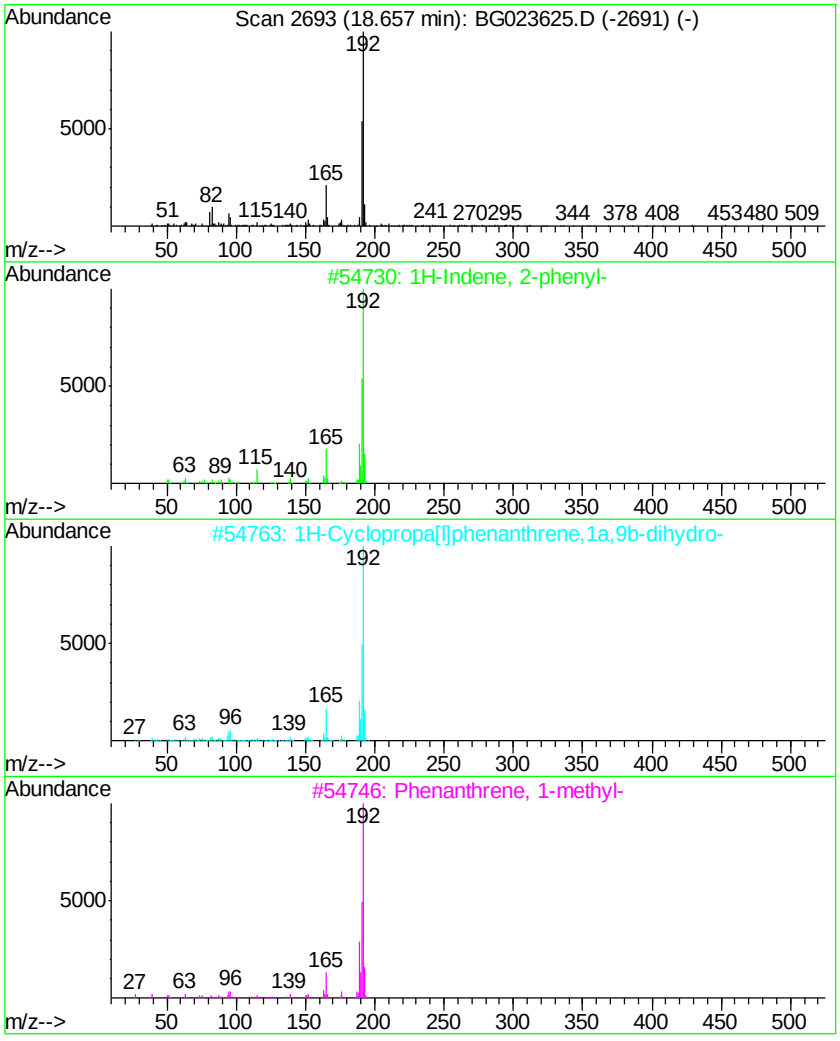
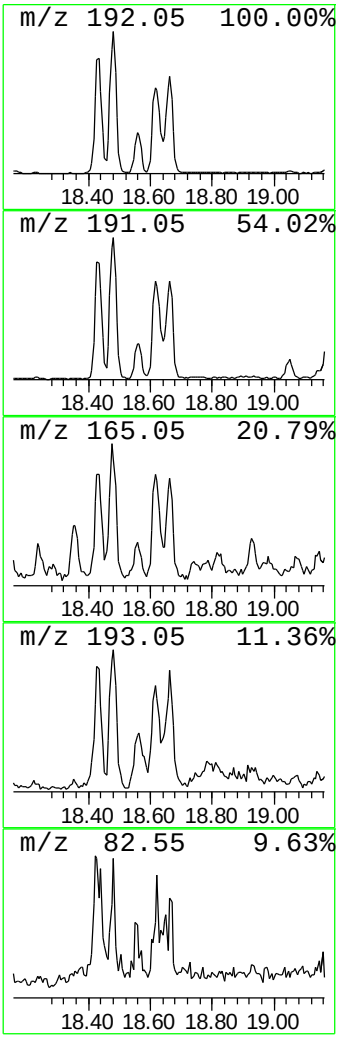
Peak Number 11 1H-Indene, 2-phenyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.66	5.54 ng/ul	799358	Phenanthrene-d10	17.55

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	91
2	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	91
3	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	91
4	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	91
5	Anthracene, 1-methyl-	192	C15H12	000610-48-0	91





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Sample : H4362-02 2X
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : PR001-SS004-3642-01

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG080416.M
Quant Title : SVOA CALIBRATION

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

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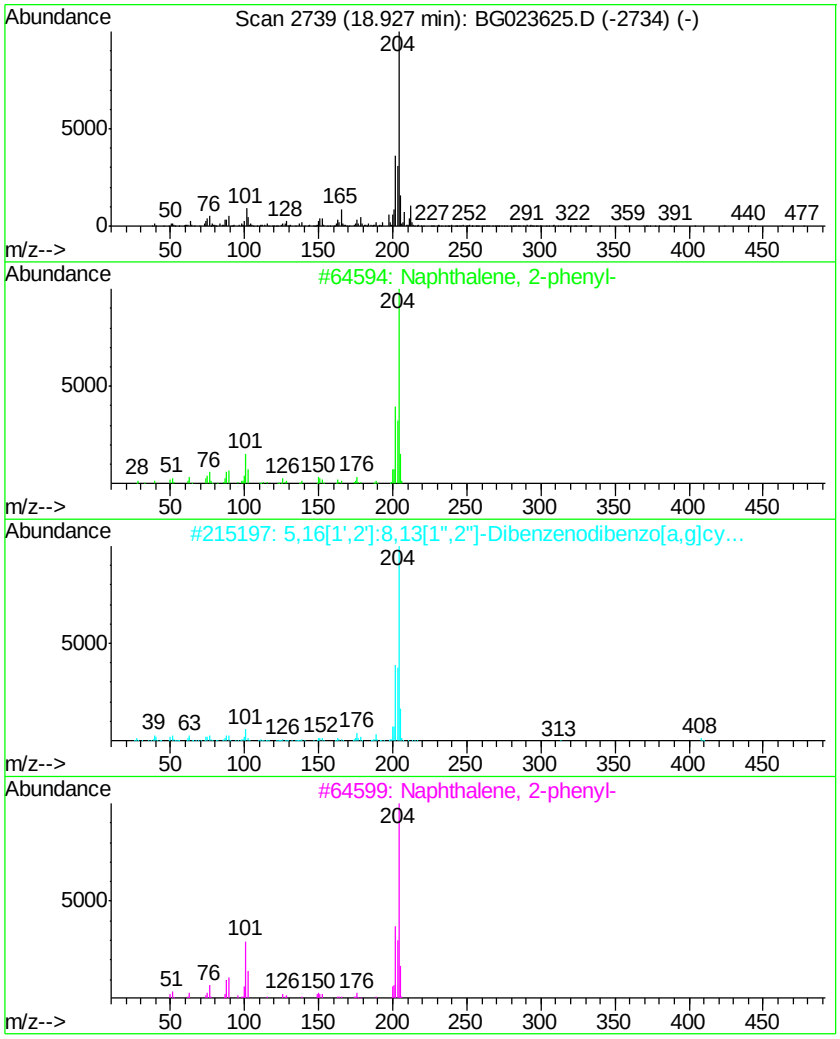
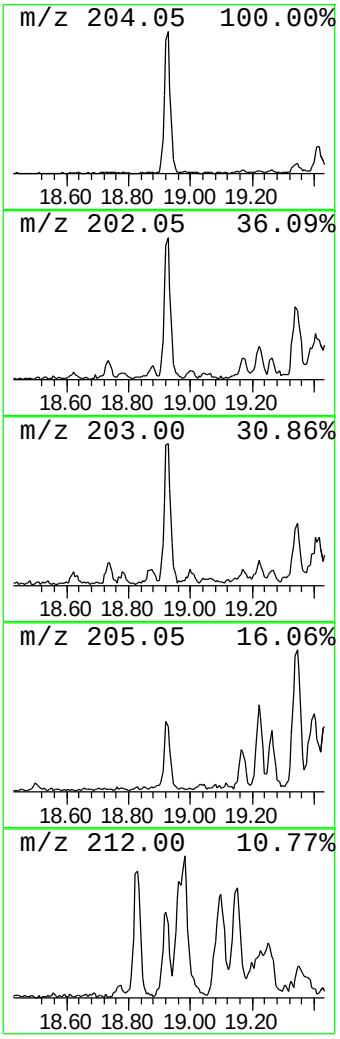
Peak Number 12 Naphthalene, 2-phenyl- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.93	4.57 ng/ul	659618	Phenanthrene-d10	17.55

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	95
2	5,16[1',2']:8,13[1'',2'']-Dibenz...	408	C32H24	005672-97-9	80
3	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	76
4	Tricyclo[8.2.2.2(4,7)]hexadeca-2...	204	C16H12	006572-60-7	76
5	9,10-Bis(bromomethyl)anthracene	362	C16H12Br2	034373-96-1	64





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Operator : UM/SJ
Sample : H4362-02 2X
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : PR001-SS004-3642-01

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG080416.M
Quant Title : SVOA CALIBRATION

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

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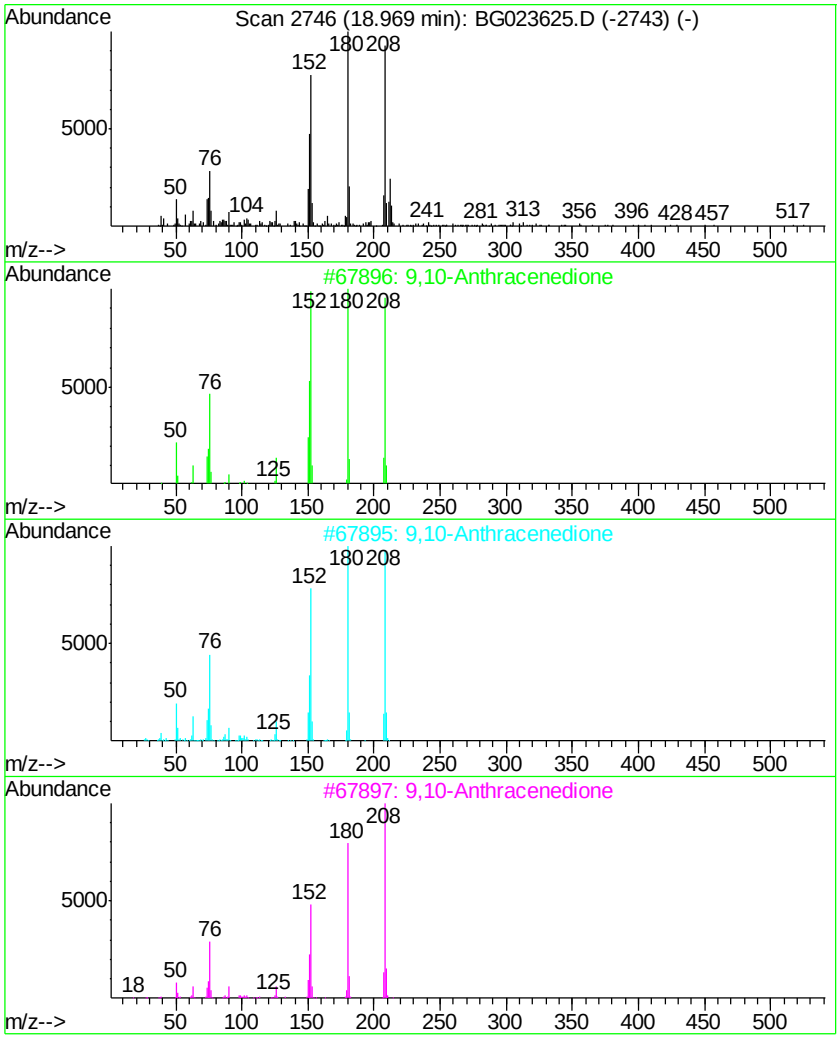
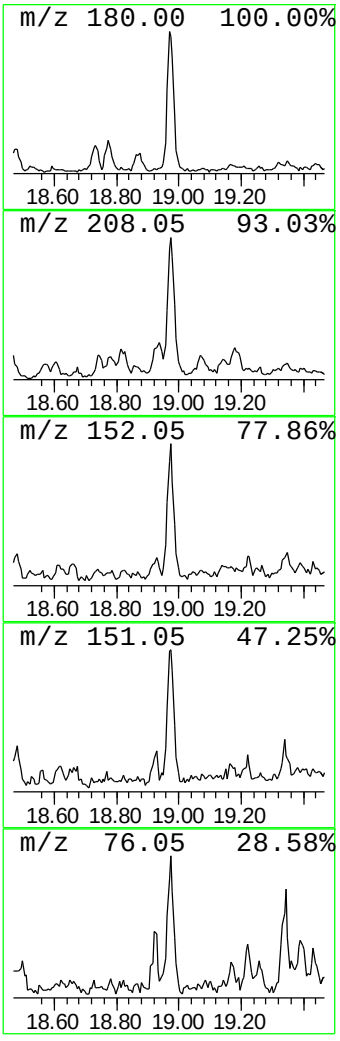
Peak Number 13 9,10-Anthracenedione Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.97	4.32 ng/ul	623377	Phenanthrene-d10	17.55

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9,10-Anthracenedione	208	C14H8O2	000084-65-1	97
2	9,10-Anthracenedione	208	C14H8O2	000084-65-1	96
3	9,10-Anthracenedione	208	C14H8O2	000084-65-1	90
4	Benzo[h]cinnoline	180	C12H8N2	000230-31-9	80
5	Benzo[c]cinnoline	180	C12H8N2	000230-17-1	60





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Sample : H4362-02 2X
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : PR001-SS004-3642-01

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Quant Title : SVOA CALIBRATION

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

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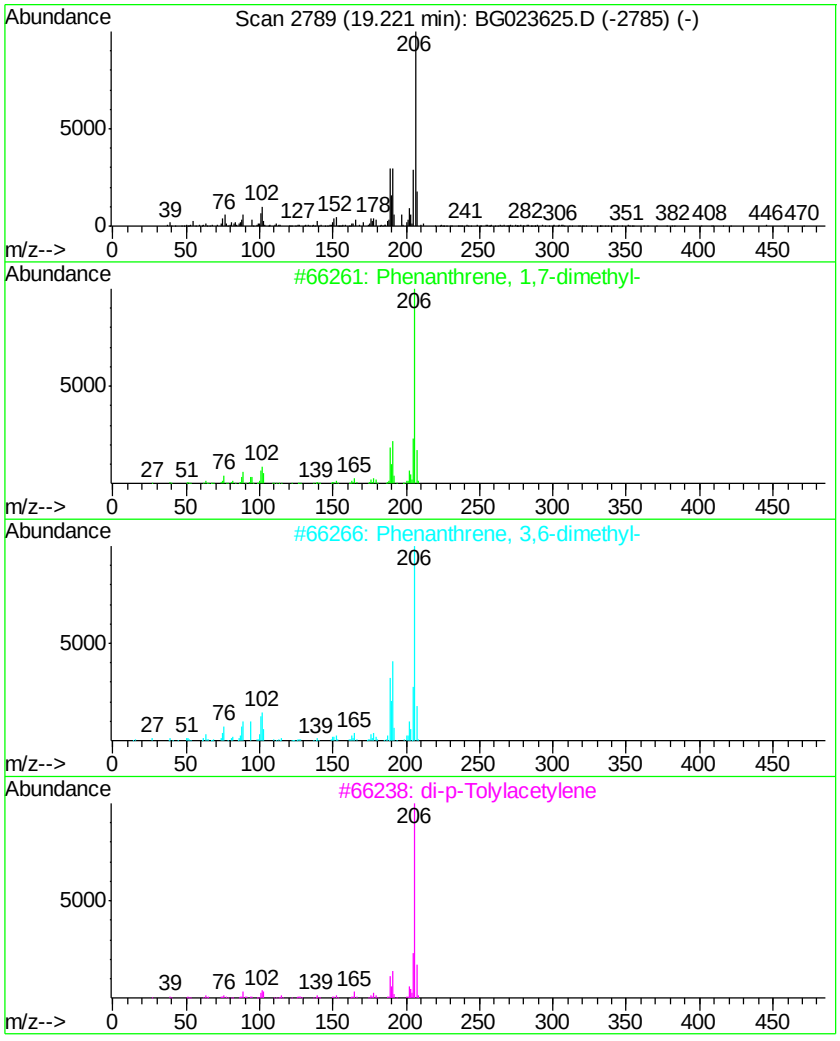
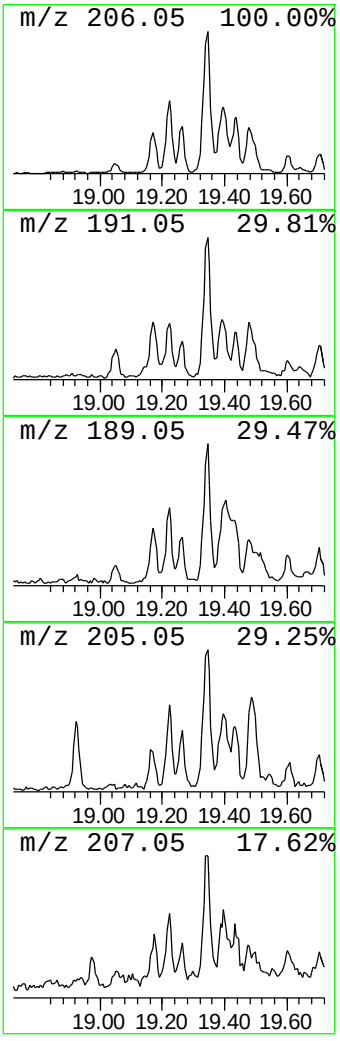
Peak Number 15 Phenanthrene, 1,7-dimethyl- Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.22	3.44 ng/ul	496501	Phenanthrene-d10	17.55

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 1,7-dimethyl-	206	C16H14	000483-87-4	96
2	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	96
3	di-p-Tolylacetylene	206	C16H14	002789-88-0	94
4	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	93
5	di-p-Tolylacetylene	206	C16H14	002789-88-0	93





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Sample : H4362-02 2X
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : PR001-SS004-3642-01

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Quant Title : SVOA CALIBRATION

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

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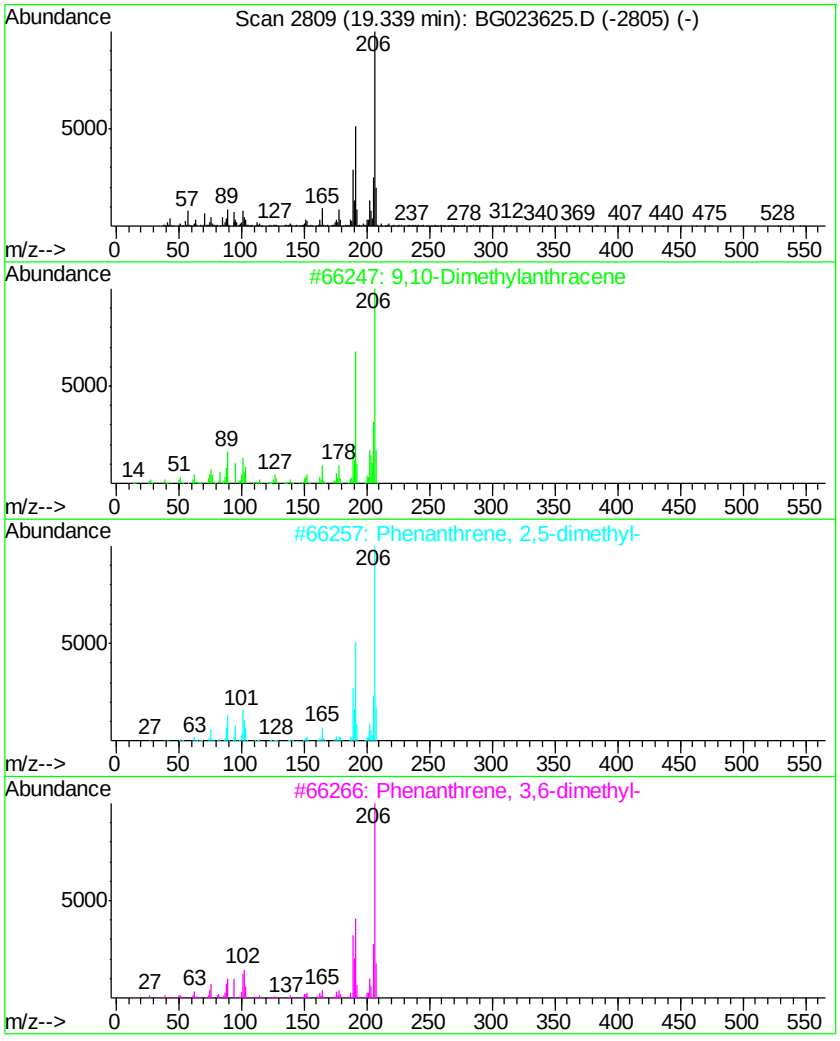
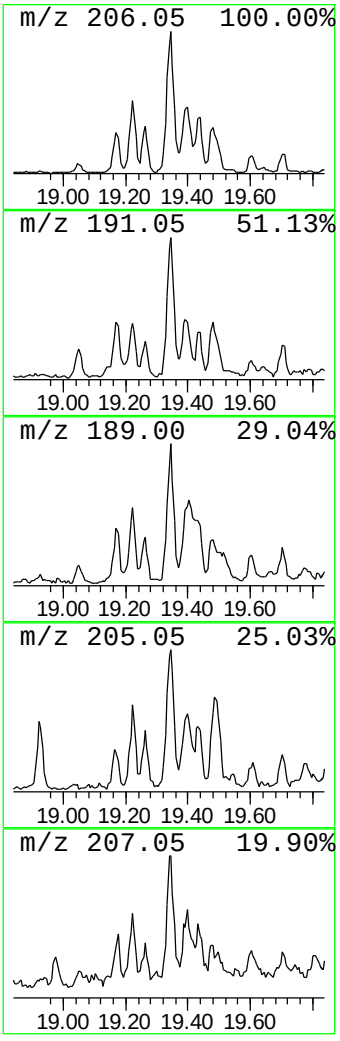
Peak Number 16 9,10-Dimethylanthracene Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.34	9.00 ng/ul	1299310	Phenanthrene-d10	17.55

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9,10-Dimethylanthracene	206	C16H14	000781-43-1	93
2	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	93
3	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	90
4	Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	90
5	1H-Indene, 2-methyl-3-phenyl-	206	C16H14	035099-60-6	90





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Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument : BNA_G
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Quant Title : SVOA CALIBRATION

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

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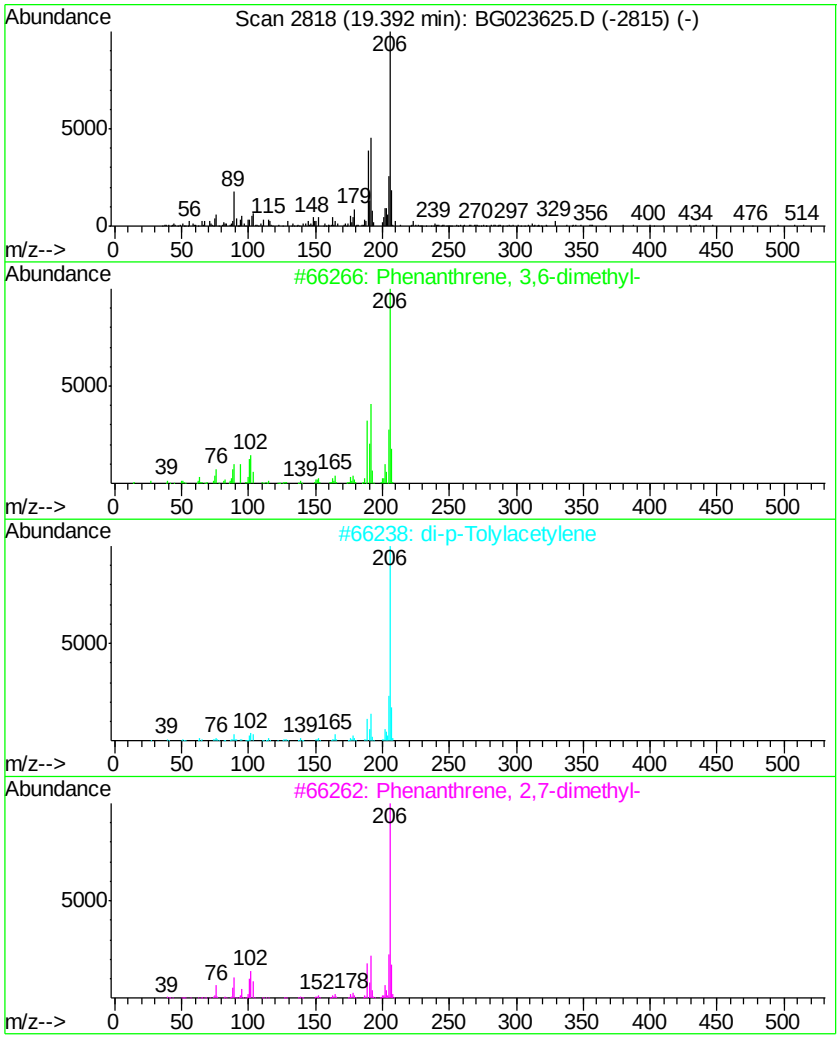
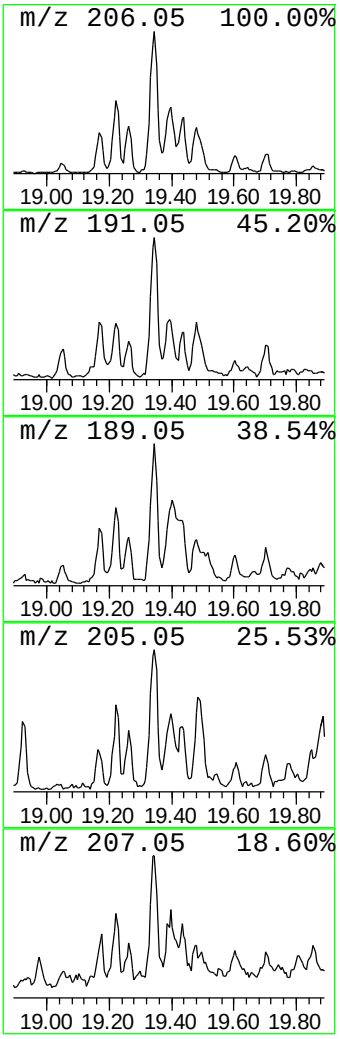
Peak Number 17 Phenanthrene, 3,6-dimethyl- Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.39	4.19 ng/ul	604791	Phenanthrene-d10	17.55

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	93
2	di-p-Tolylacetylene	206	C16H14	002789-88-0	93
3	Phenanthrene, 2,7-dimethyl-	206	C16H14	001576-69-8	91
4	Phenanthrene, 1,7-dimethyl-	206	C16H14	000483-87-4	87
5	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	83





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Quant Title : SVOA CALIBRATION

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

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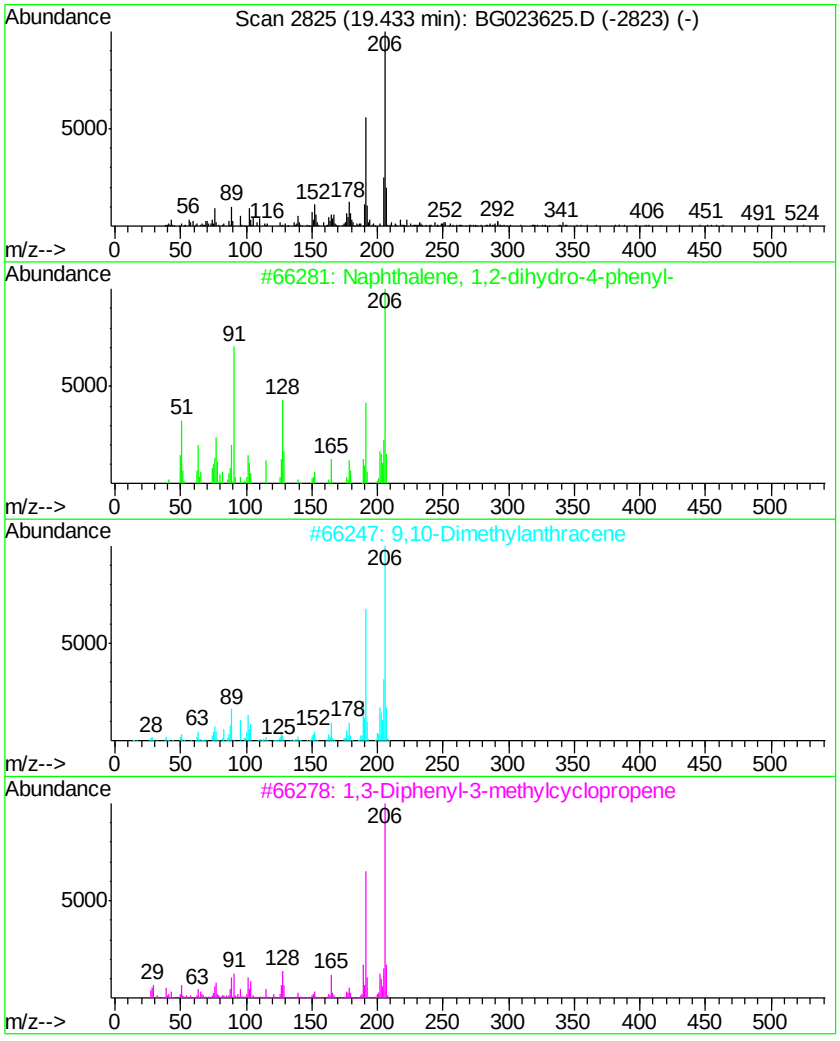
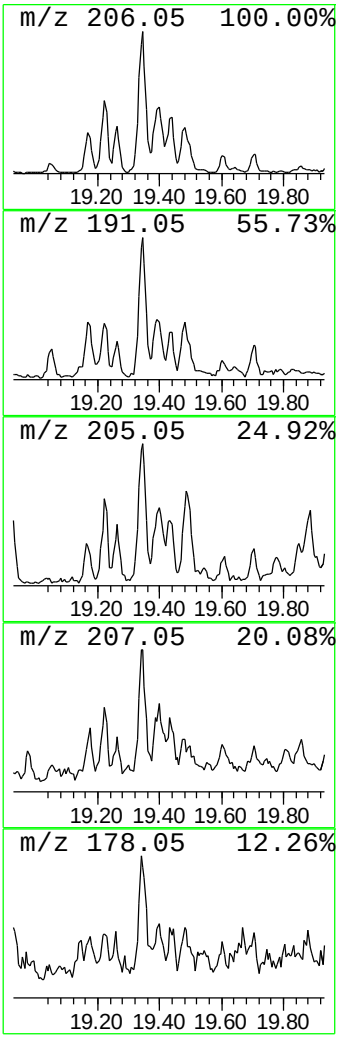
Peak Number 18 Naphthalene, 1,2-dihydro-4-... Concentration Rank 28

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.43	2.01 ng/ul	289592	Phenanthrene-d10	17.55

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1,2-dihydro-4-phenyl-	206	C16H14	007469-40-1	87
2	9,10-Dimethylanthracene	206	C16H14	000781-43-1	83
3	1,3-Diphenyl-3-methylcyclopropene	206	C16H14	086544-79-8	80
4	Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	80
5	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	80





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Sample : H4362-02 2X
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : PR001-SS004-3642-01

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Quant Title : SVOA CALIBRATION

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

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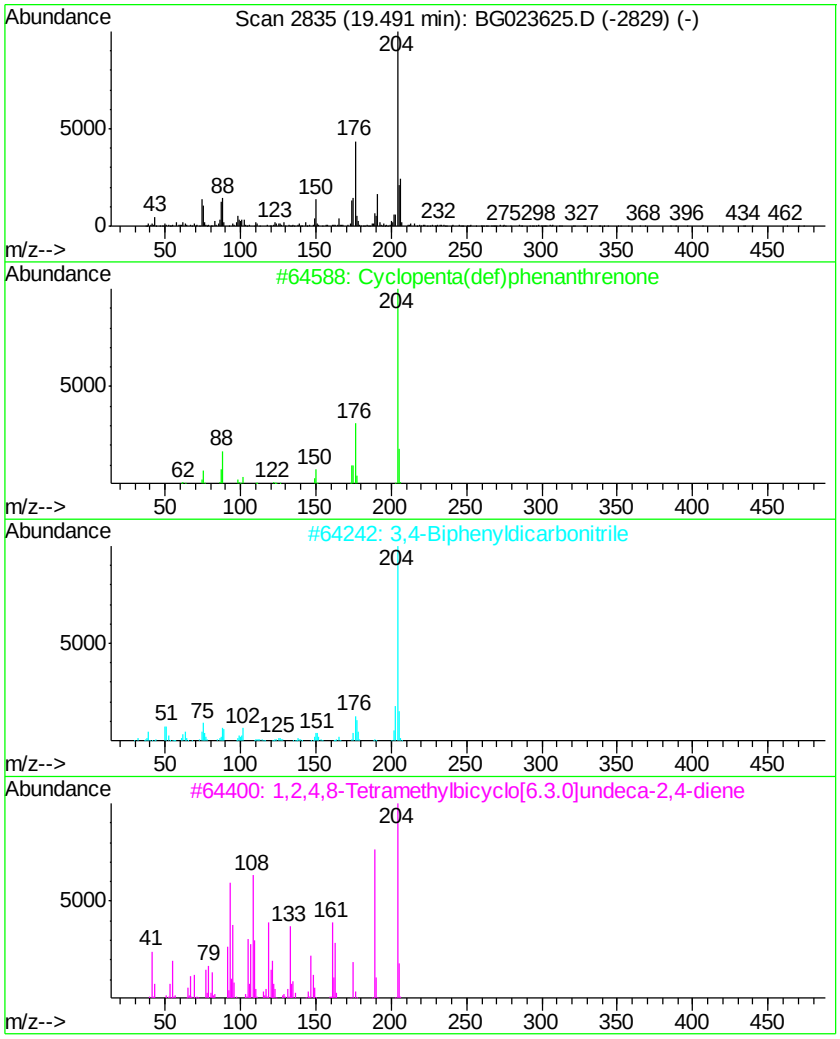
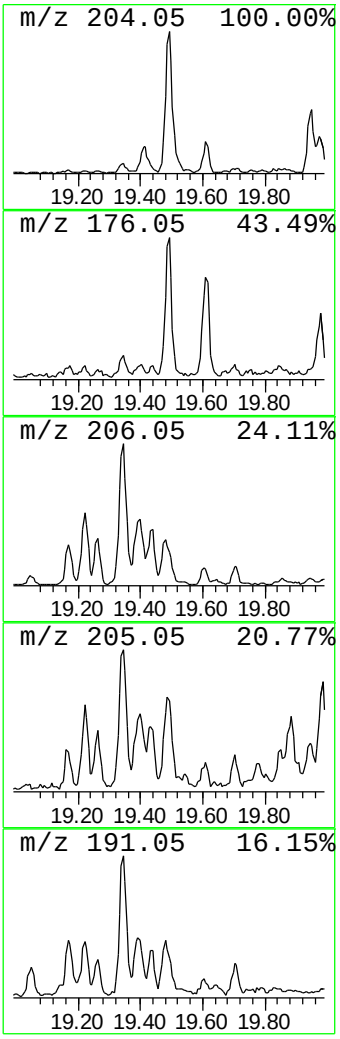
Peak Number 19 Cyclopenta(def)phenanthrenone Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.49	7.61 ng/ul	1098930	Phenanthrene-d10	17.55

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopenta(def)phenanthrenone	204	C15H8O	005737-13-3	93
2	3,4-Biphenyldicarbonitrile	204	C14H8N2	004128-63-6	50
3	1,2,4,8-Tetramethylbicyclo[6.3.0...	204	C15H24	137235-51-9	45
4	[1,1'-Biphenyl]-2,2'-dicarbonitrile	204	C14H8N2	004341-02-0	38
5	1,1,4a-Trimethyl-5,6-dimethylene...	204	C15H24	1000193-60-8	38





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Data File : BG023625.D
Acq On : 11 Aug 2016 14:00
Operator : UM/SJ
Sample : H4362-02 2X
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : PR001-SS004-3642-01

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG080416.M
Quant Title : SVOA CALIBRATION

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

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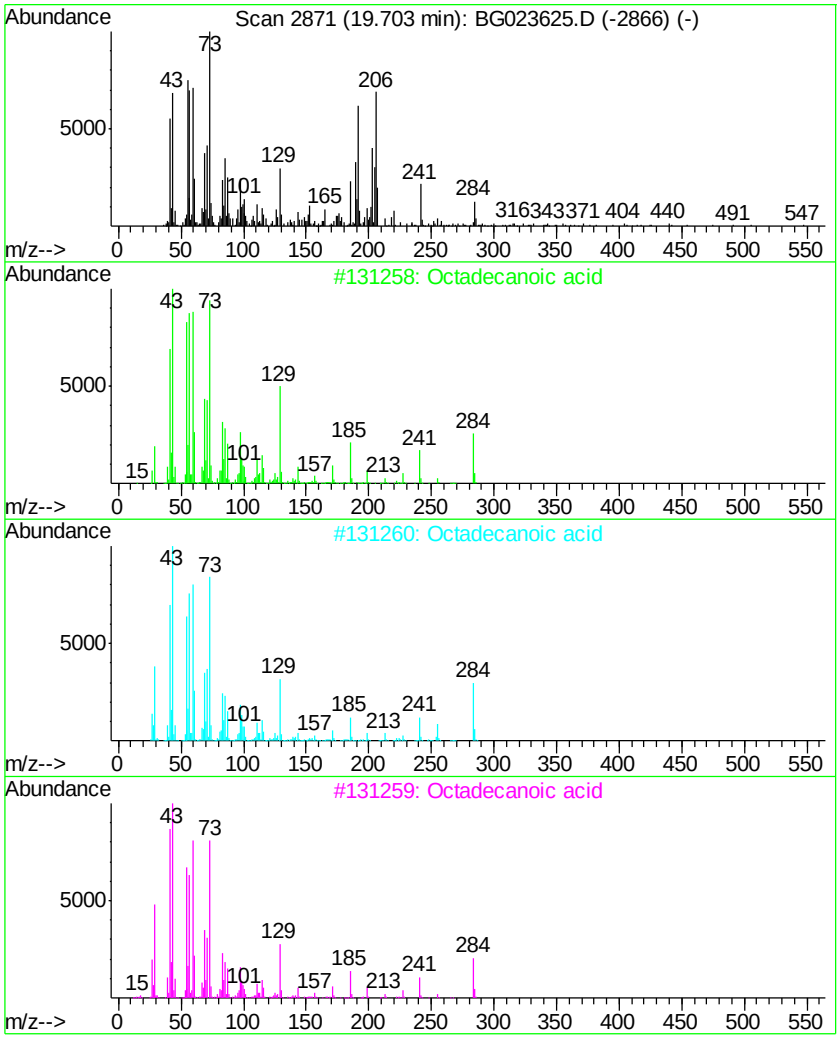
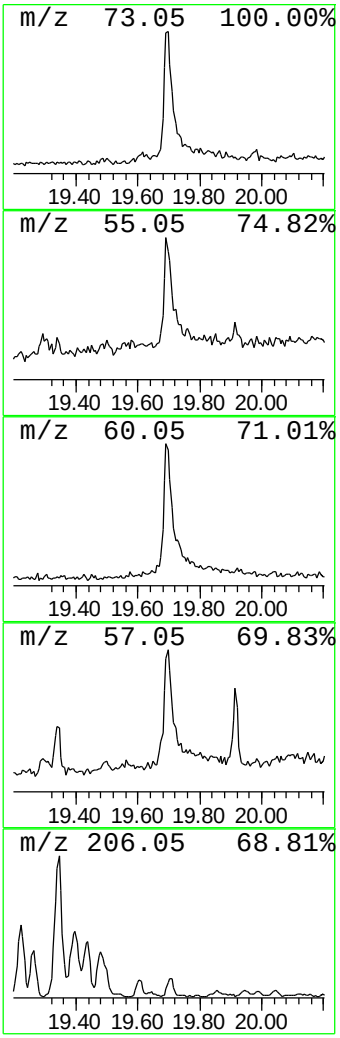
Peak Number 20 Octadecanoic acid Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.70	7.93 ng/ul	1144130	Phenanthrene-d10	17.55

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Octadecanoic acid	284	C18H36O2	000057-11-4	95
2	Octadecanoic acid	284	C18H36O2	000057-11-4	93
3	Octadecanoic acid	284	C18H36O2	000057-11-4	90
4	Octadecanoic acid	284	C18H36O2	000057-11-4	87
5	Pentadecanoic acid	242	C15H30O2	001002-84-2	78





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Acq On : 11 Aug 2016 14:00
Operator : UM/SJ
Sample : H4362-02 2X
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : PR001-SS004-3642-01

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG080416.M
Quant Title : SVOA CALIBRATION

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

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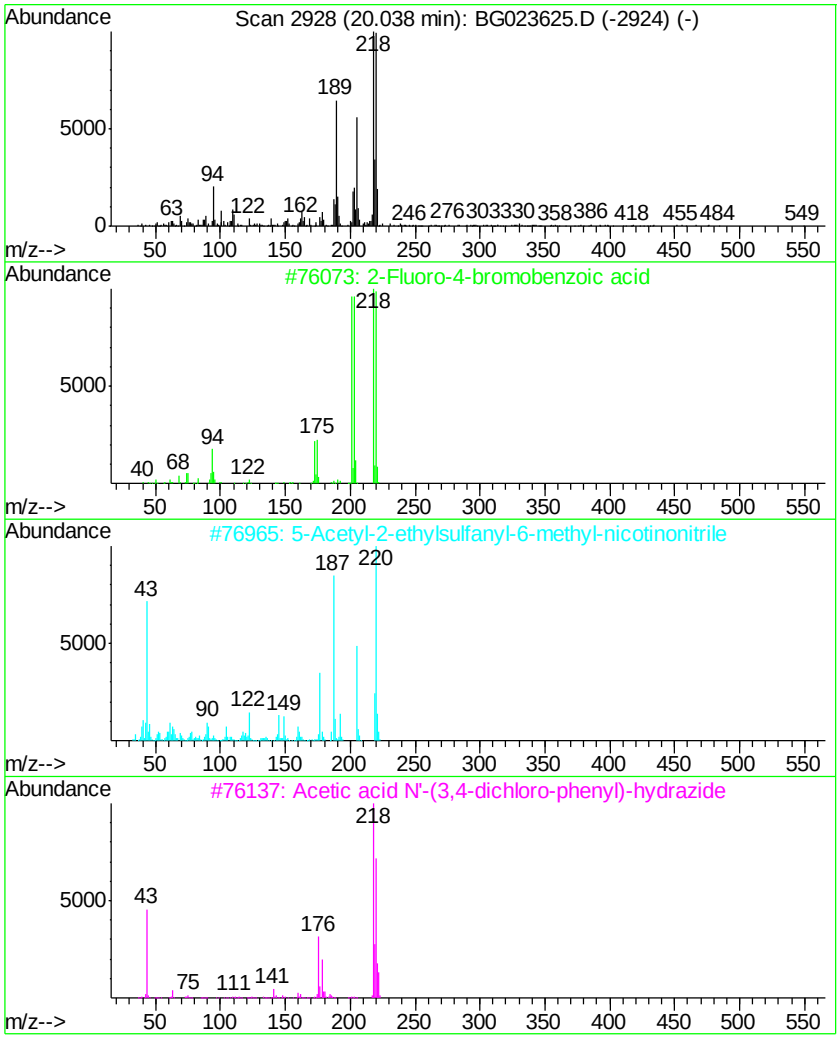
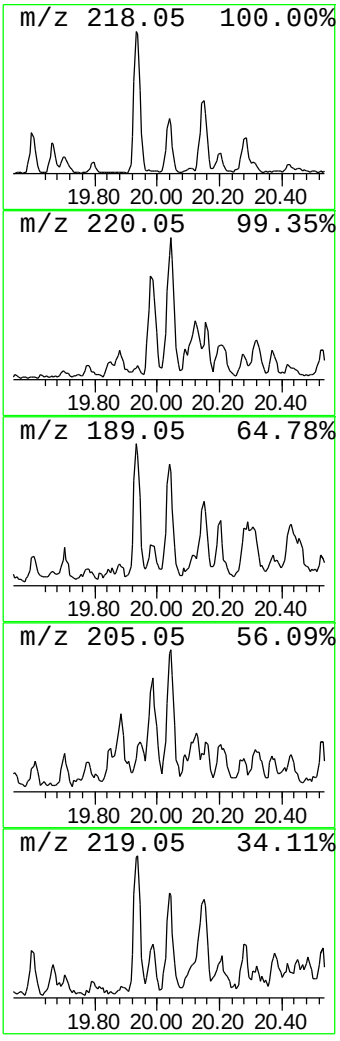
Peak Number 21 unknown-01 Concentration Rank 23

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.04	2.31 ng/ul	785737	Chrysene-d12	21.88

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Fluoro-4-bromobenzoic acid	218	C7H4BrFO2	1000306-78-4	49
2	5-Acetyl-2-ethylsulfanyl-6-methy...	220	C11H12N2OS	303146-26-1	45
3	Acetic acid N'-(3,4-dichloro-phe...	218	C8H8Cl2N2O	1000294-80-9	43
4	Phenanthrene, 2,3,5-trimethyl-	220	C17H16	003674-73-5	43
5	Pyrrolo[1,2-a]thieno[2,3-d]pyrim...	220	C11H12N2OS	056929-61-4	41





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Data File : BG023625.D
Acq On : 11 Aug 2016 14:00
Operator : UM/SJ
Sample : H4362-02 2X
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : PR001-SS004-3642-01

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG080416.M
Quant Title : SVOA CALIBRATION

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

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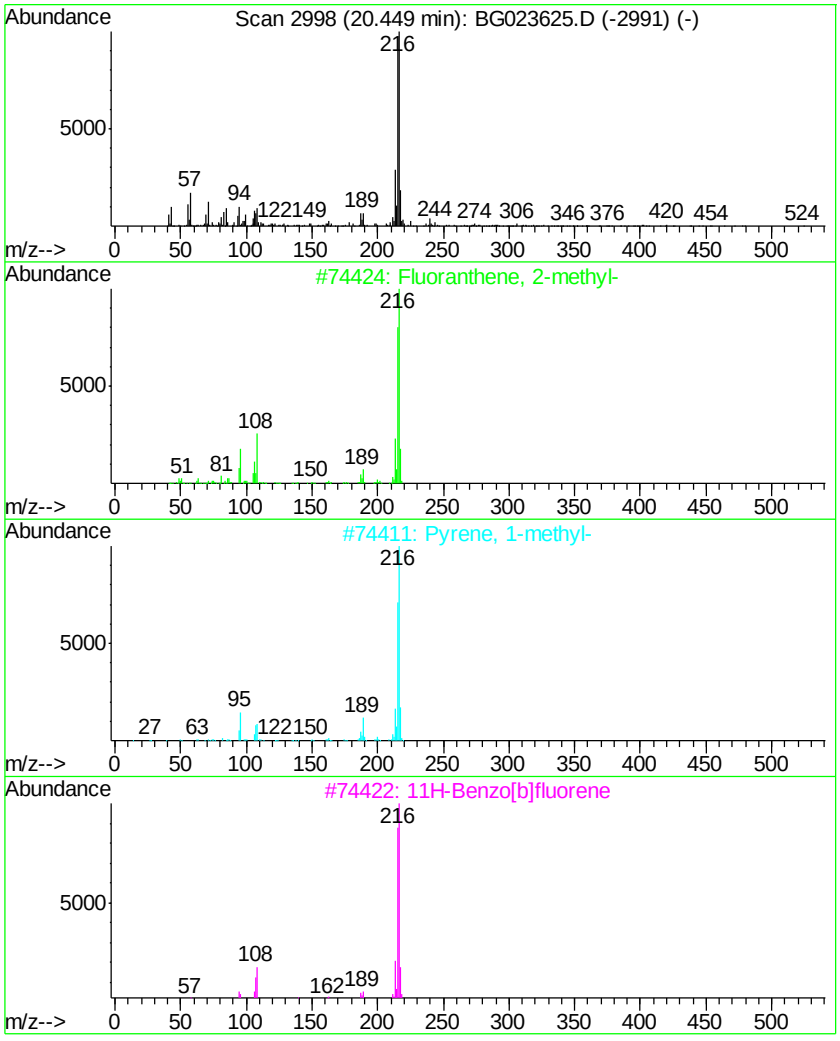
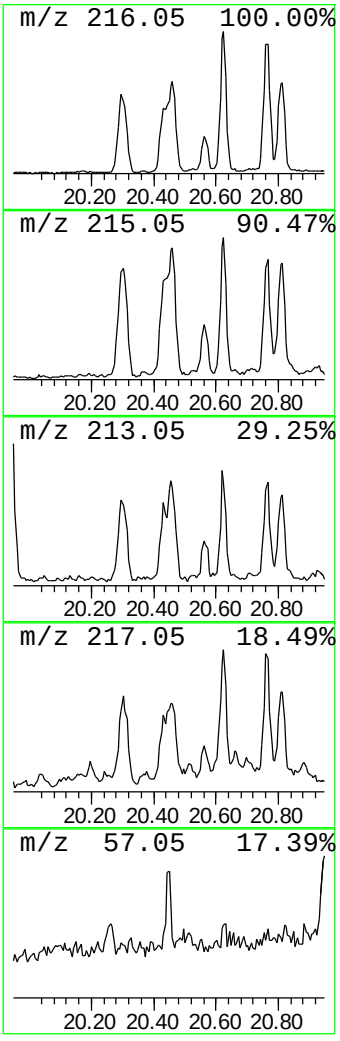
Peak Number 22 Fluoranthene, 2-methyl- Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.45	4.43 ng/ul	1507830	Chrysene-d12	21.88

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	91
2	Pyrene, 1-methyl-	216	C17H12	002381-21-7	90
3	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	87
4	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	83
5	7H-Benzo[c]fluorene	216	C17H12	000205-12-9	81





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Acq On : 11 Aug 2016 14:00
Operator : UM/SJ
Sample : H4362-02 2X
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : PR001-SS004-3642-01

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG080416.M
Quant Title : SVOA CALIBRATION

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

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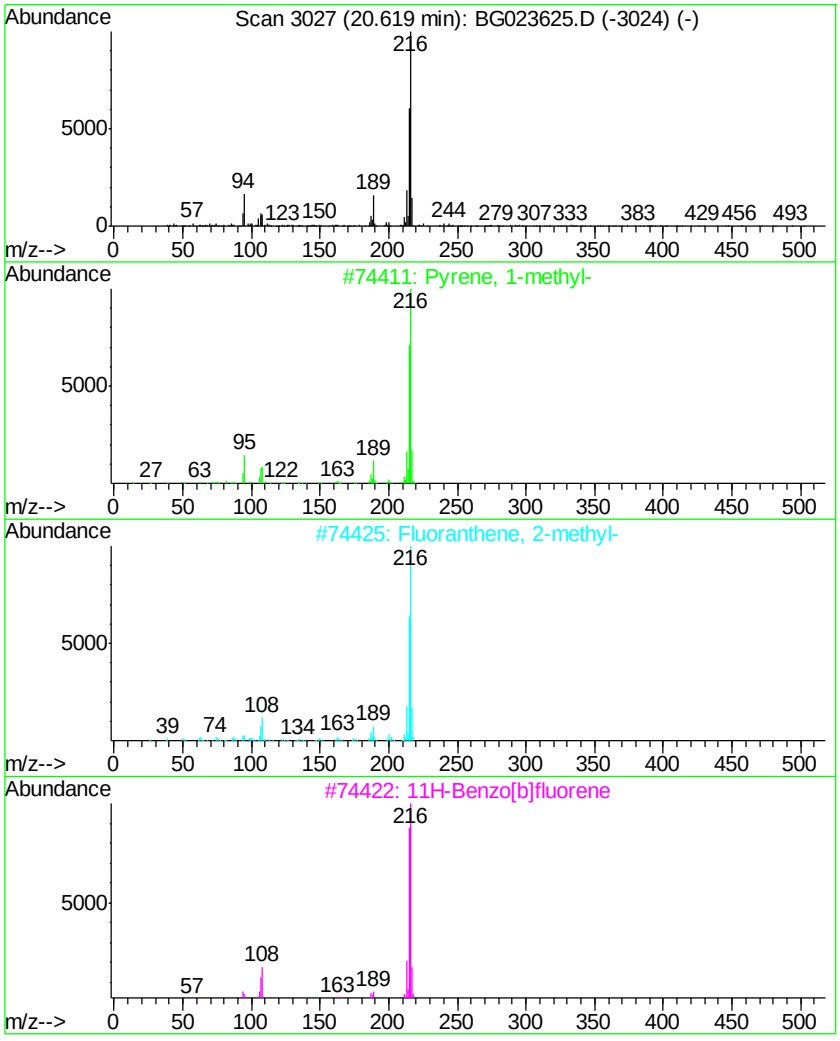
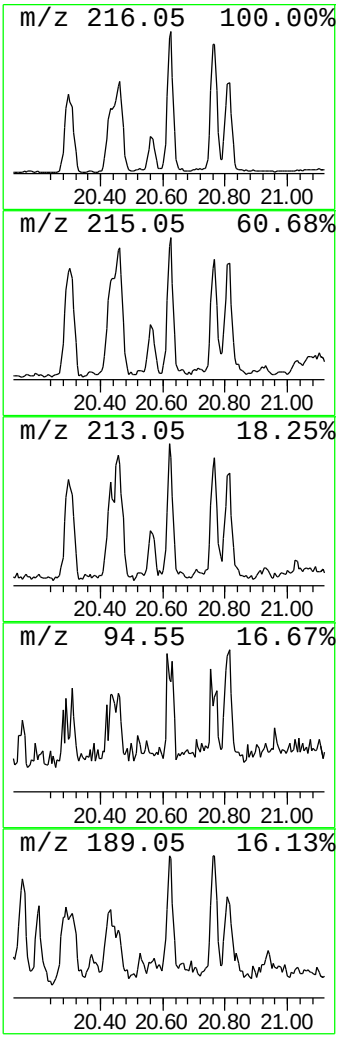
Peak Number 23 Pyrene, 1-methyl- Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.62	2.80 ng/ul	951797	Chrysene-d12	21.88

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene, 1-methyl-	216	C17H12	002381-21-7	94
2	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	87
3	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	87
4	Pyrene, 1-methyl-	216	C17H12	002381-21-7	86
5	Pyrene, 1-methyl-	216	C17H12	002381-21-7	83





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Acq On : 11 Aug 2016 14:00
Operator : UM/SJ
Sample : H4362-02 2X
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : PR001-SS004-3642-01

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG080416.M
Quant Title : SVOA CALIBRATION

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

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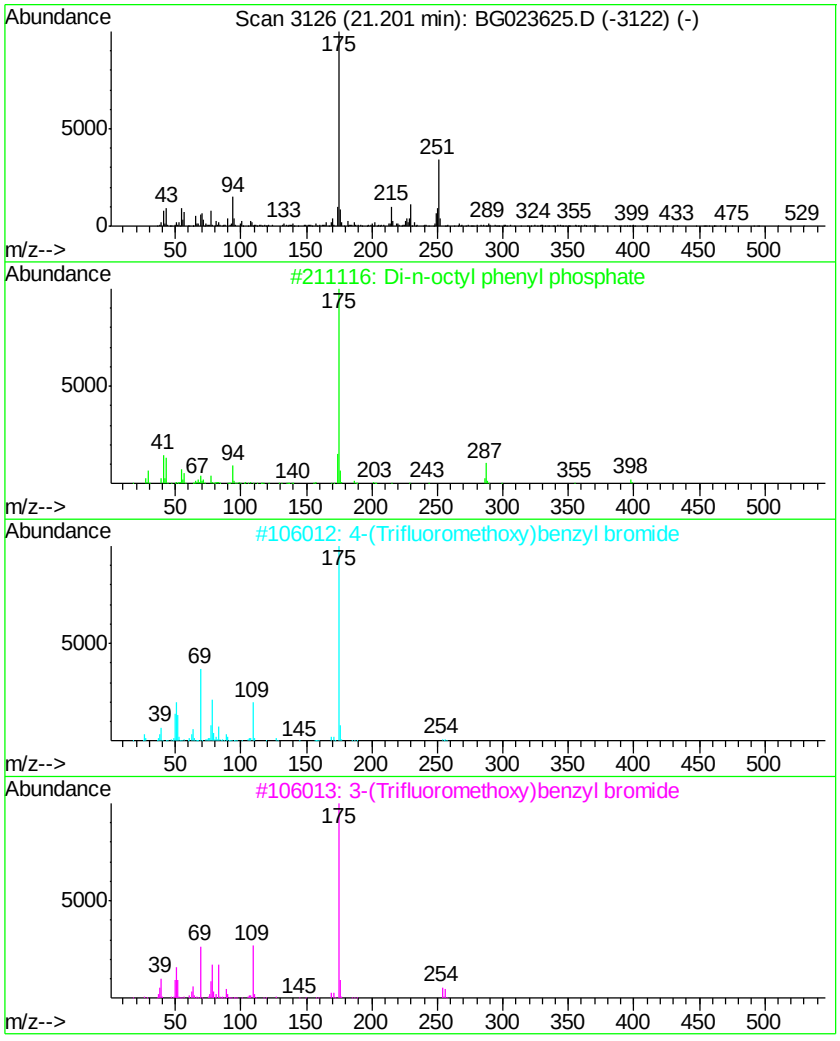
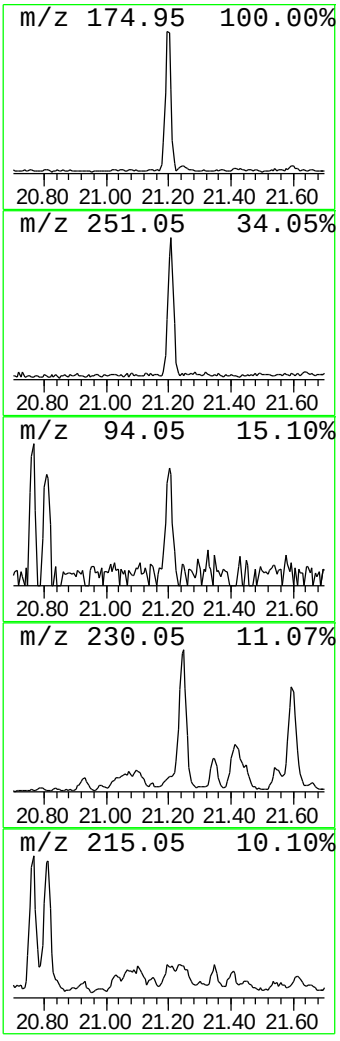
Peak Number 25 unknown-02 Concentration Rank 25

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.20	2.11 ng/ul	719025	Chrysene-d12	21.88

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Di-n-octyl phenyl phosphate	398	C22H39O4P	1000342-70-9	43
2	4-(Trifluoromethoxy)benzyl bromide	254	C8H6BrF3O	050824-05-0	17
3	3-(Trifluoromethoxy)benzyl bromide	254	C8H6BrF3O	159689-88-0	17
4	Precocene I	190	C12H14O2	017598-02-6	17
5	Glutaric acid, isobutyl 4-(trifl...	362	C17H21F3O5	1000377-33-5	10





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Acq On : 11 Aug 2016 14:00
Operator : UM/SJ
Sample : H4362-02 2X
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : PR001-SS004-3642-01

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG080416.M
Quant Title : SVOA CALIBRATION

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

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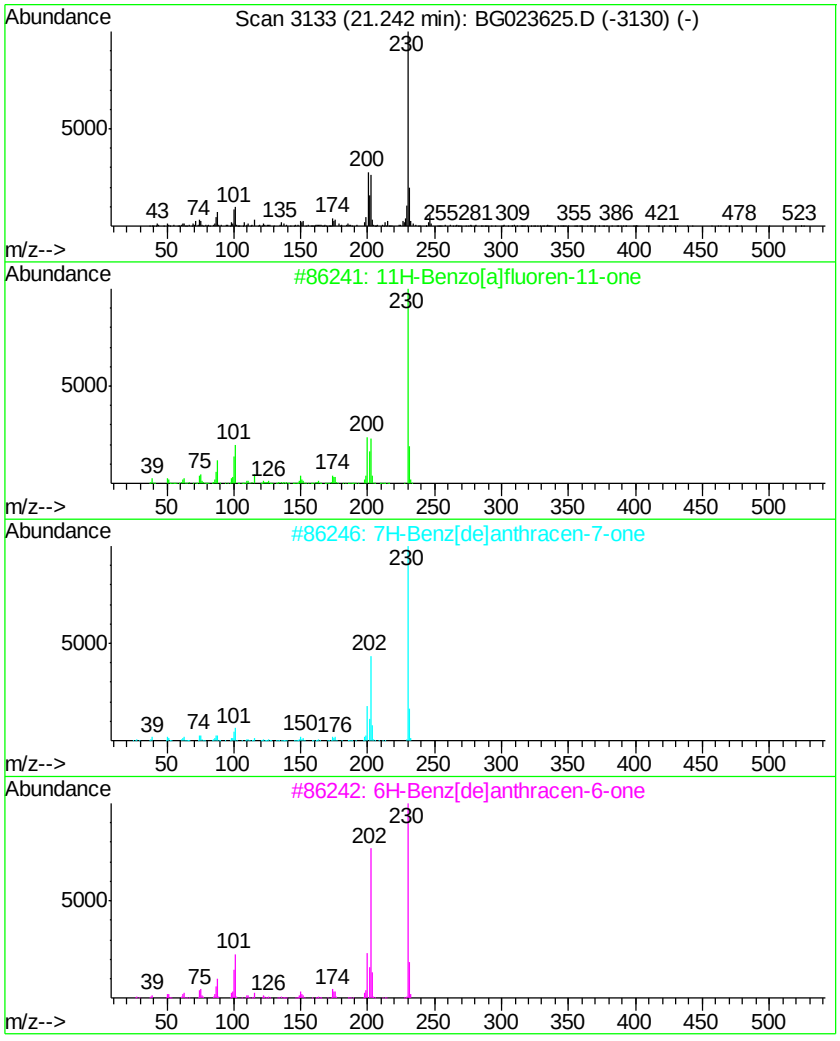
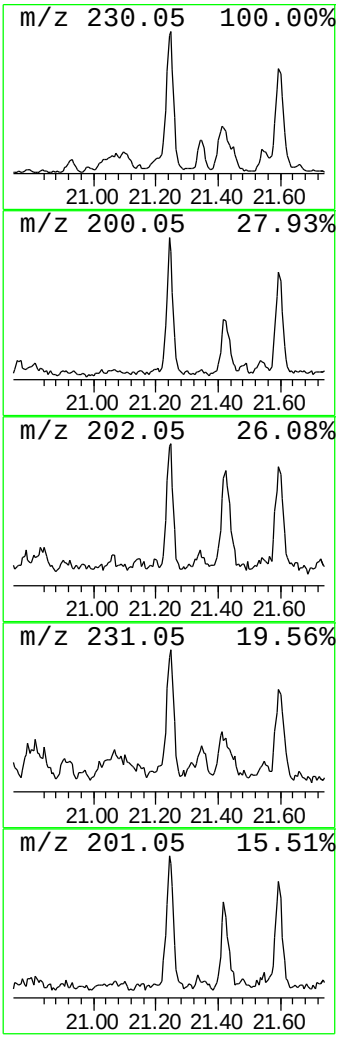
Peak Number 26 11H-Benzo[a]fluoren-11-one Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.24	3.20 ng/ul	1089580	Chrysene-d12	21.88

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[a]fluoren-11-one	230	C17H10O	000479-79-8	90
2	7H-Benz[de]anthracen-7-one	230	C17H10O	000082-05-3	86
3	6H-Benz[de]anthracen-6-one	230	C17H10O	080252-14-8	83
4	7H-Benz[de]anthracen-7-one	230	C17H10O	000082-05-3	68
5	1-Pyrenecarboxaldehyde	230	C17H10O	003029-19-4	59





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Data File : BG023625.D
Acq On : 11 Aug 2016 14:00
Operator : UM/SJ
Sample : H4362-02 2X
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : PR001-SS004-3642-01

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG080416.M
Quant Title : SVOA CALIBRATION

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

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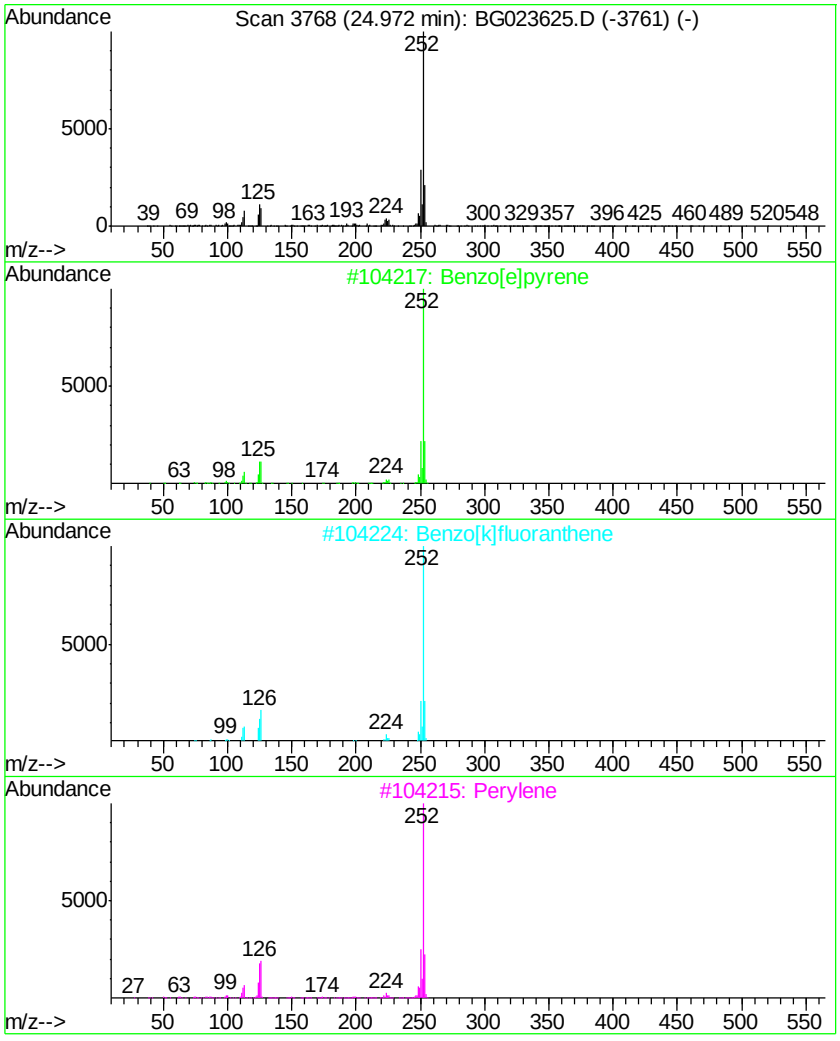
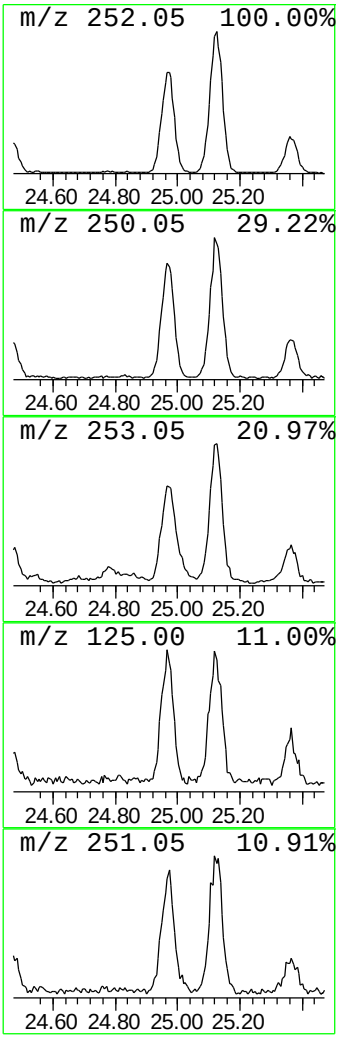
Peak Number 28 Benzo[e]pyrene Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
24.97	11.39 ng/ul	1551080	Perylene-d12	25.29

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





Tentatively Identified Compound (LSC) summary

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG081116\
Data File : BG023625.D
Acq On : 11 Aug 2016 14:00
Operator : UM/SJ
Sample : H4362-02 2X
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : PR001-SS004-3642-01

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG080416.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
1-Hexanol, 2-ethyl-	8.17	77.1	ng/ul	5160620	1	8.11	1338060	20.0
Camphor	10.35	2.9	ng/ul	309364	2	10.95	2172990	20.0
2,4,6-Cycloheptat...	16.28	2.7	ng/ul	384750	4	17.55	2887150	20.0
Benzoic acid, phe...	16.36	3.4	ng/ul	484496	4	17.55	2887150	20.0
9H-Fluoren-9-one	17.20	3.1	ng/ul	443379	4	17.55	2887150	20.0
Naphtho[2,1-b]thi...	17.37	2.0	ng/ul	291235	4	17.55	2887150	20.0
Dibenzothiophene,...	18.13	2.3	ng/ul	330363	4	17.55	2887150	20.0
Phenanthrene, 1-m...	18.43	15.8	ng/ul	2279320	4	17.55	2887150	20.0
Phenanthrene, 2-m...	18.56	2.1	ng/ul	300167	4	17.55	2887150	20.0
1H-Indene, 2-phenyl-	18.66	5.5	ng/ul	799358	4	17.55	2887150	20.0
Naphthalene, 2-ph...	18.93	4.6	ng/ul	659618	4	17.55	2887150	20.0
9,10-Anthracenedione	18.97	4.3	ng/ul	623377	4	17.55	2887150	20.0
Phenanthrene, 1,7...	19.22	3.4	ng/ul	496501	4	17.55	2887150	20.0
9,10-Dimethylanth...	19.34	9.0	ng/ul	1299310	4	17.55	2887150	20.0
Phenanthrene, 3,6...	19.39	4.2	ng/ul	604791	4	17.55	2887150	20.0
Naphthalene, 1,2-...	19.43	2.0	ng/ul	289592	4	17.55	2887150	20.0
Cyclopenta(def)ph...	19.49	7.6	ng/ul	1098930	4	17.55	2887150	20.0
Octadecanoic acid	19.70	7.9	ng/ul	1144130	4	17.55	2887150	20.0
unknown-01	20.04	2.3	ng/ul	785737	5	21.88	6800380	20.0
Fluoranthene, 2-m...	20.45	4.4	ng/ul	1507830	5	21.88	6800380	20.0
Pyrene, 1-methyl-	20.62	2.8	ng/ul	951797	5	21.88	6800380	20.0
unknown-02	21.20	2.1	ng/ul	719025	5	21.88	6800380	20.0
11H-Benzo[a]fluor...	21.24	3.2	ng/ul	1089580	5	21.88	6800380	20.0
Benzo[e]pyrene	24.97	11.4	ng/ul	1551080	6	25.29	2724720	20.0