LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG052316\
Data File : BG022052.D
Acq On : 23 May 2016 18:37
Operator : UM/SJ
Sample : H3124-20
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : JHGJ3

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-BG052116.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	3.537	115	119	125	rVB3	5699	9106	0.24%	0.031%
2	4.071	206	210	217	rVB3	4884	8675	0.23%	0.029%
3	7.315	752	762	774	rVV	97133	206898	5.38%	0.696%
4	7.479	782	790	804	rBV	85047	166161	4.32%	0.559%
5	7.691	818	826	835	rBV	111941	216216	5.62%	0.728%
6	8.161	894	906	915	rBV	111281	222788	5.79%	0.750%
7	8.866	1019	1026	1036	rVV	139601	280457	7.29%	0.944%
8	9.265	1087	1094	1098	rVB6	5238	9744	0.25%	0.033%
9	9.330	1098	1105	1117	rBV	97594	207922	5.40%	0.700%
10	9.894	1195	1201	1208	rVB8	7955	19257	0.50%	0.065%
11	10.053	1215	1228	1239	rBV	76202	184309	4.79%	0.620%
12	10.147	1239	1244	1250	rVV6	12536	27678	0.72%	0.093%
13	10.599	1314	1321	1331	rVV	133698	278280	7.23%	0.936%
14	10.670	1331	1333	1341	rVB7	5520	9826	0.26%	0.033%
15	10.928	1371	1377	1378	rBV4	9212	13484	0.35%	0.045%
16	10.981	1378	1386	1392	rVV	208198	435307	11.31%	1.465%
17	11.034	1392	1395	1401	rVV	26727	45642	1.19%	0.154%
18	11.116	1401	1409	1425	rVV	103654	234560	6.09%	0.789%
19	11.457	1462	1467	1474	rVB9	7214	13049	0.34%	0.044%
20	11.798	1519	1525	1530	rVB7	7385	13988	0.36%	0.047%
21	11.880	1530	1539	1546	rBV7	5344	13693	0.36%	0.046%
22	11.968	1549	1554	1559	rVV	21822	36883	0.96%	0.124%
23	12.150	1581	1585	1593	rVB5	6712	14212	0.37%	0.048%
24	12.238	1593	1600	1605	rBV9	9425	23245	0.60%	0.078%
25	12.356	1616	1620	1625	rBV7	6451	12205	0.32%	0.041%
26	12.626	1661	1666	1674	rVB	33164	62845	1.63%	0.211%
27	12.761	1685	1689	1694	rBV7	6852	13871	0.36%	0.047%
28	12.844	1697	1703	1713	rVB	47988	95226	2.47%	0.320%
29	12.990	1722	1728	1733	rBV7	12755	27972	0.73%	0.094%
30	13.055	1735	1739	1743	rBV4	9698	16110	0.42%	0.054%
31	13.231	1765	1769	1773	rVB7	6912	10692	0.28%	0.036%
32	13.302	1776	1781	1788	rVB	43559	72697	1.89%	0.245%
33	13.384	1790	1795	1803	rVB8	7837	19238	0.50%	0.065%
34	13.502	1810	1815	1818	rVB6	4908	8849	0.23%	0.030%

LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG052316\
Data File : BG022052.D
Acq On : 23 May 2016 18:37
Operator : UM/SJ
Sample : H3124-20
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : JHGJ3

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-BG052116.M
Title : SVOA CALIBRATION

35	13.590	1825	1830	1832	rBV5	12303	20905	0.54%	0.070%
36	13.831	1866	1871	1878	rVB8	11748	28692	0.75%	0.097%
37	13.966	1885	1894	1900	rBV3	52826	148865	3.87%	0.501%
38	14.107	1912	1918	1923	rBV	95992	177327	4.61%	0.597%
39	14.177	1923	1930	1935	rVV	265349	523337	13.60%	1.761%
40	14.236	1935	1940	1946	rVB2	148485	309102	8.03%	1.040%
41	14.342	1953	1958	1962	rBV	39582	67334	1.75%	0.227%
42	14.483	1975	1982	1995	rBV	349115	720471	18.72%	2.424%
43	14.659	2008	2012	2019	rBV6	16151	36013	0.94%	0.121%
44	14.788	2021	2034	2040	rVV2	306450	629991	16.37%	2.120%
45	14.853	2040	2045	2051	rVB2	55476	100755	2.62%	0.339%
46	14.988	2062	2068	2077	rBV2	72158	174479	4.53%	0.587%
47	15.176	2094	2100	2108	rVB3	55905	119735	3.11%	0.403%
48	15.252	2109	2113	2118	rBV2	46989	81465	2.12%	0.274%
49	15.393	2132	2137	2142	rBV3	45572	90554	2.35%	0.305%
50	15.446	2142	2146	2150	rVB2	34834	54846	1.43%	0.185%
51	15.558	2159	2165	2170	rBV5	41574	115800	3.01%	0.390%
52	15.599	2170	2172	2176	rVB2	39073	46629	1.21%	0.157%
53	15.658	2178	2182	2186	rVV4	19943	33096	0.86%	0.111%
54	15.775	2196	2202	2207	rBV	407774	656531	17.06%	2.209%
55	15.828	2207	2211	2218	rVB	171154	295665	7.68%	0.995%
56	15.893	2218	2222	2230	rBV	50585	89557	2.33%	0.301%
57	16.005	2236	2241	2250	rVB	92192	185640	4.82%	0.625%
58	16.486	2317	2323	2335	rVB	267506	481649	12.52%	1.621%
59	17.256	2451	2454	2458	rVV4	30579	40506	1.05%	0.136%
60	17.309	2459	2463	2467	rVV	95223	149785	3.89%	0.504%
61	17.350	2467	2470	2476	rVB	58867	97105	2.52%	0.327%
62	17.532	2495	2501	2504	rBV2	314823	562821	14.62%	1.894%
63	17.573	2504	2508	2514	rVV	1314138	2209327	57.41%	7.434%
64	17.632	2514	2518	2521	rVV	419715	680264	17.68%	2.289%
65	17.667	2521	2524	2530	rVB	240175	361279	9.39%	1.216%
66	18.043	2585	2588	2593	rVB	58030	81620	2.12%	0.275%
67	18.408	2644	2650	2653	rBV2	234964	395179	10.27%	1.330%
68	18.455	2653	2658	2664	rVB	292434	469377	12.20%	1.579%
69	18.531	2667	2671	2676	rVB2	95259	151944	3.95%	0.511%
70	18.601	2676	2683	2687	rBV2	357204	761788	19.79%	2.563%
71	18.895	2729	2733	2737	rVV	153907	221530	5.76%	0.745%

LSC Area Percent Report

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Data File : BG022052.D
Acq On : 23 May 2016 18:37
Operator : UM/SJ
Sample : H3124-20
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : JHGJ3

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-BG052116.M
Title : SVOA CALIBRATION

72	18.942	2738	2741	2746	rVB2	55724	75768	1.97%	0.255%
73	19.307	2799	2803	2809	rBV	97203	178781	4.65%	0.602%
74	19.453	2824	2828	2837	rVB4	65764	151441	3.94%	0.510%
75	19.577	2842	2849	2855	rBV	1531664	2417206	62.81%	8.133%
76	19.724	2870	2874	2879	rBV	81098	119717	3.11%	0.403%
77	19.941	2899	2911	2918	rBV2	1805096	3848435	100.00%	12.949%
78	20.006	2918	2922	2927	rVB2	77969	127729	3.32%	0.430%
79	20.258	2959	2965	2971	rVB3	98870	217256	5.65%	0.731%
80	20.335	2975	2978	2983	rVV	81482	121097	3.15%	0.407%
81	20.423	2983	2993	2999	rVB	221774	497055	12.92%	1.672%
82	20.523	3005	3010	3014	rBV	174425	254270	6.61%	0.856%
83	20.581	3016	3020	3024	rVB2	133754	208534	5.42%	0.702%
84	20.723	3039	3044	3048	rBV	102668	164328	4.27%	0.553%
85	20.770	3048	3052	3057	rVB2	107380	162304	4.22%	0.546%
86	20.858	3065	3067	3079	rVB4	49230	99747	2.59%	0.336%
87	21.193	3121	3124	3132	rVB2	54212	99203	2.58%	0.334%
88	21.428	3159	3164	3168	rVB	117072	181173	4.71%	0.610%
89	21.475	3168	3172	3178	rVB2	81201	142984	3.72%	0.481%
90	21.804	3220	3228	3234	rBV2	652156	1699725	44.17%	5.719%
91	21.868	3234	3239	3252	rVB	504797	1017423	26.44%	3.423%
92	22.021	3260	3265	3271	rBV	82076	149084	3.87%	0.502%
93	22.091	3273	3277	3283	rVB	49161	85664	2.23%	0.288%
94	22.567	3354	3358	3365	rVB2	67298	121222	3.15%	0.408%
95	22.849	3402	3406	3409	rBV4	32851	60777	1.58%	0.204%
96	24.101	3609	3619	3626	rBV	229651	887741	23.07%	2.987%
97	24.853	3738	3747	3752	rBV	134402	421356	10.95%	1.418%
98	24.923	3754	3759	3765	rVV	178910	550359	14.30%	1.852%
99	25.000	3766	3772	3783	rVB2	289329	860186	22.35%	2.894%
100	25.158	3791	3799	3807	rBV2	136078	397437	10.33%	1.337%

Sum of corrected areas: 29720050

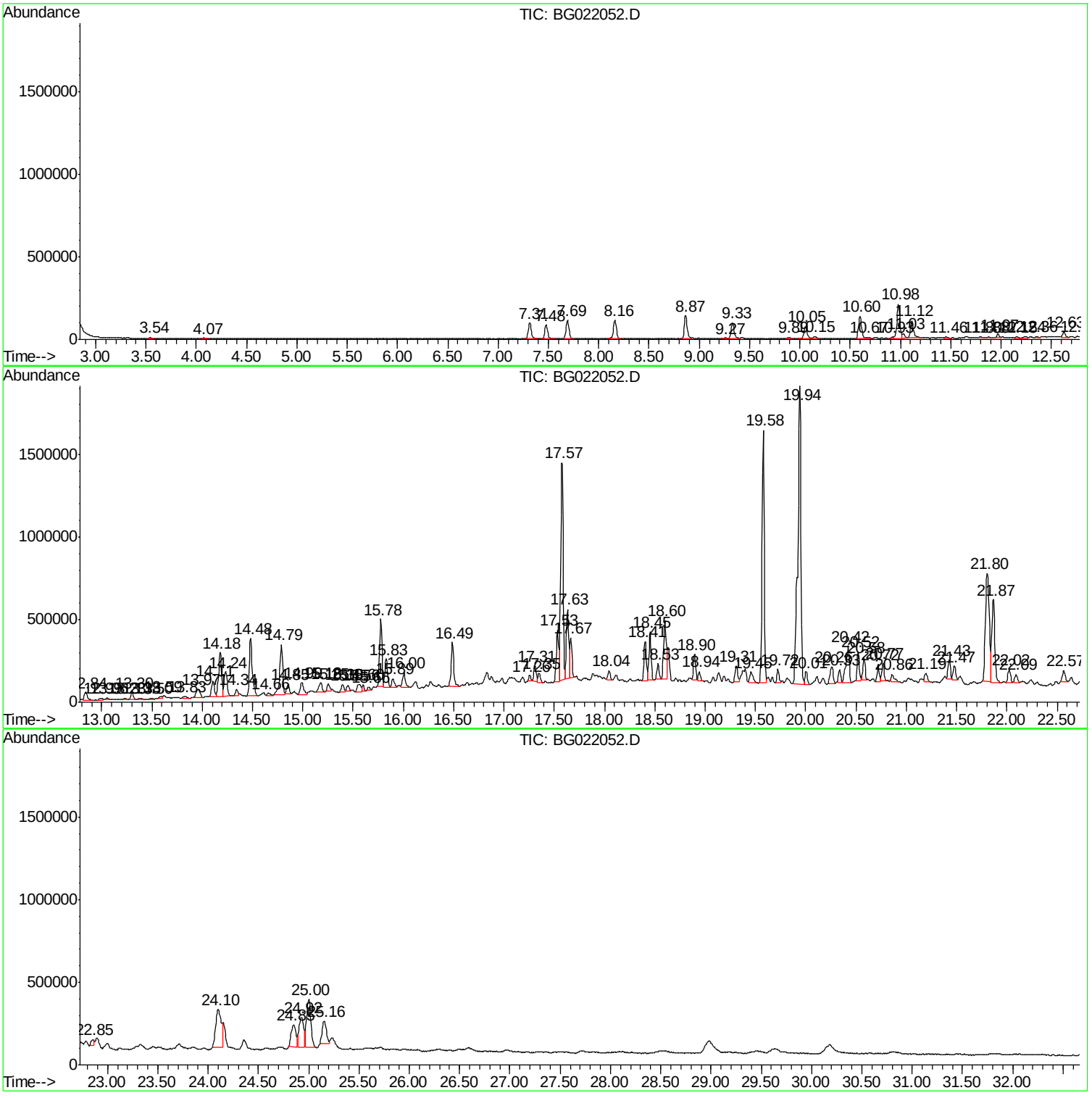
LSC Report - Integrated Chromatogram

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG052316\
Data File : BG022052.D
Acq On : 23 May 2016 18:37
Operator : UM/SJ
Sample : H3124-20
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : JHGJ3

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG052116.M
Quant Title : SVOA CALIBRATION

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



Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG052316\
Data File : BG022052.D
Acq On : 23 May 2016 18:37
Operator : UM/SJ
Sample : H3124-20
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Instrument : BNA_G
ClientSampleId : JHGJ3

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG052116.M
Quant Title : SVOA CALIBRATION

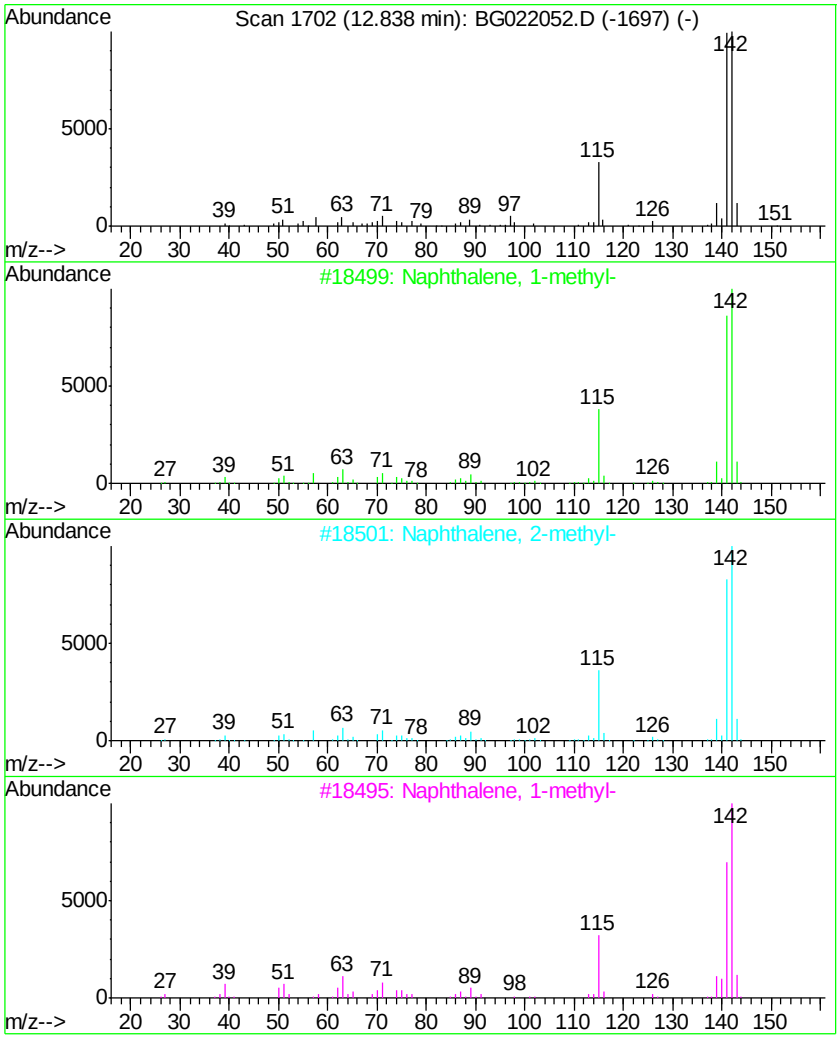
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

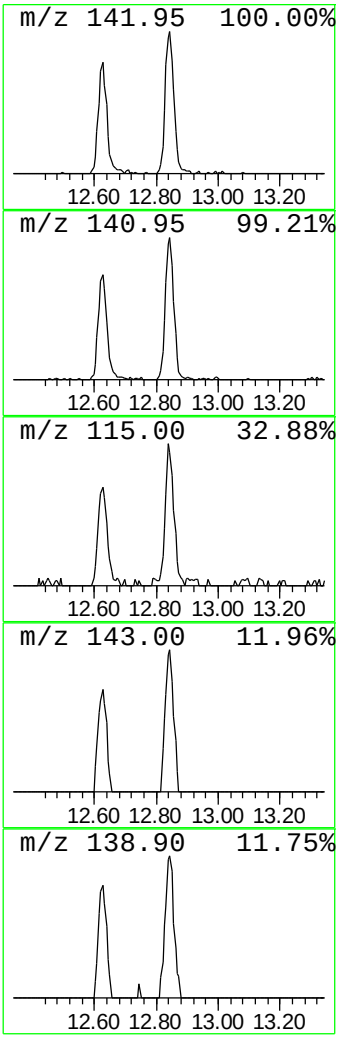
****

Peak Number 1 Naphthalene, 1-methyl- Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.84	4.38 ng/ul	95226	Naphthalene-d8	10.98

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1-methyl-	142	C11H10	000090-12-0	93
2	Naphthalene, 2-methyl-	142	C11H10	000091-57-6	93
3	Naphthalene, 1-methyl-	142	C11H10	000090-12-0	91
4	Naphthalene, 1-methyl-	142	C11H10	000090-12-0	91
5	Naphthalene, 1-methyl-	142	C11H10	000090-12-0	91





Data Path : Z:\HPCHEM1\BNA_G\DATA\BG052316\
Data File : BG022052.D
Acq On : 23 May 2016 18:37
Operator : UM/SJ
Sample : H3124-20
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : JHGJ3

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG052116.M
Quant Title : SVOA CALIBRATION

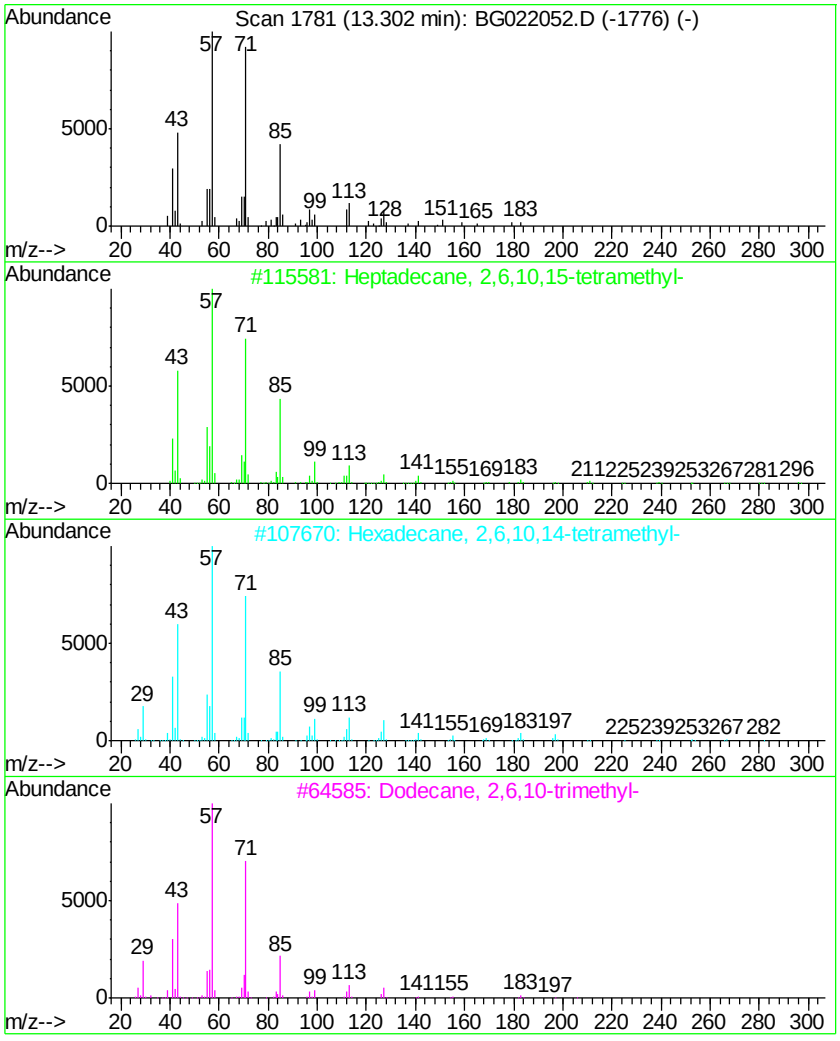
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

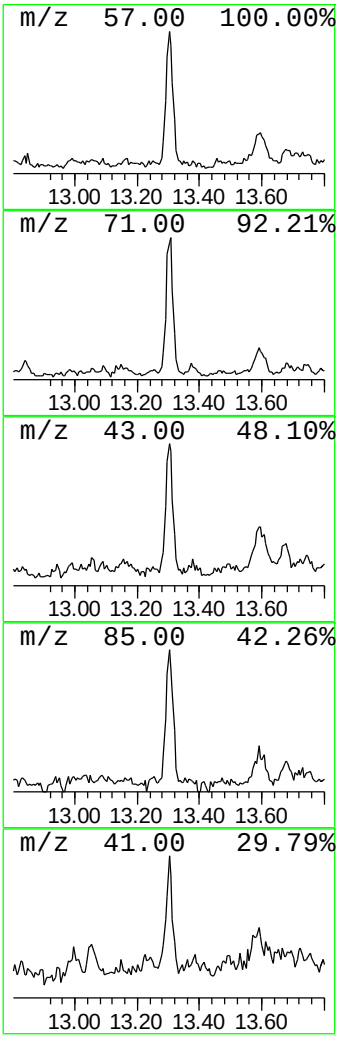
****

Peak Number 2 (DEL) Alkane: Straight-Chai... Concentration Rank 25

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.30	2.31 ng/ul	72697	Acenaphthene-d10	14.79

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heptadecane, 2,6,10,15-tetramethyl-	296	C21H44	054833-48-6	86
2	Hexadecane, 2,6,10,14-tetramethyl-	282	C20H42	000638-36-8	83
3	Dodecane, 2,6,10-trimethyl-	212	C15H32	003891-98-3	72
4	Dodecane, 2,6,11-trimethyl-	212	C15H32	031295-56-4	72
5	Nonane, 5-(2-methylpropyl)-	184	C13H28	062185-53-9	72





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG052316\
Data File : BG022052.D
Acq On : 23 May 2016 18:37
Operator : UM/SJ
Sample : H3124-20
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : JHGJ3

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG052116.M
Quant Title : SVOA CALIBRATION

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

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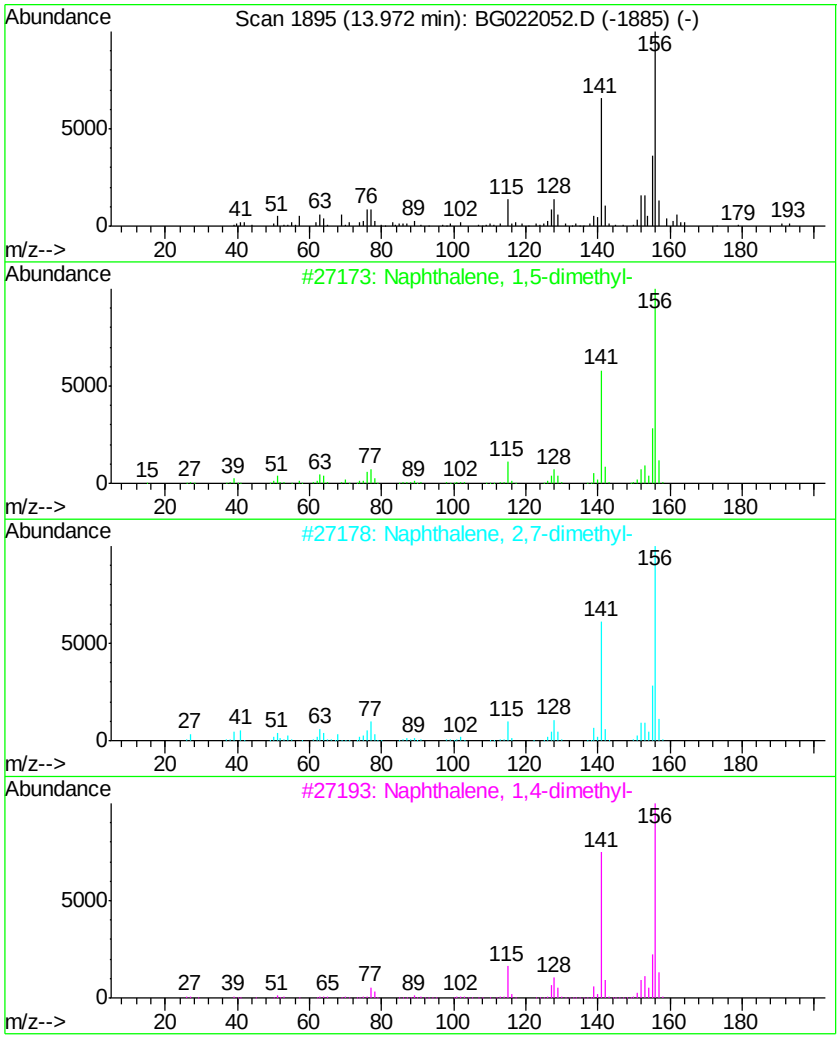
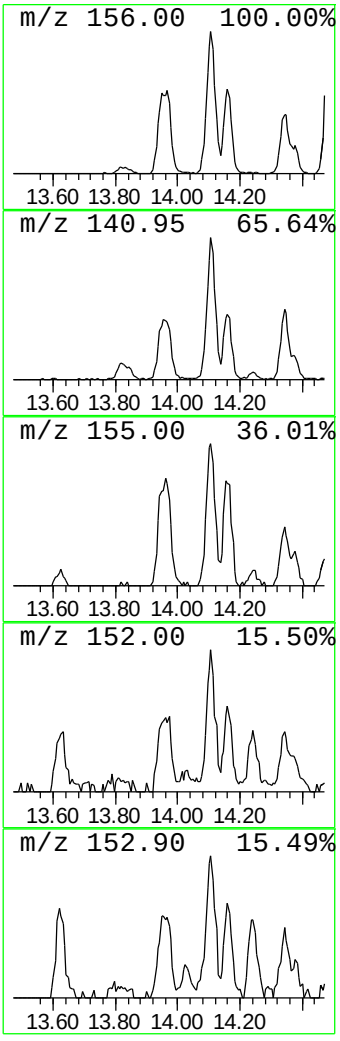
Peak Number 3 Naphthalene, 1,5-dimethyl- Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.97	4.73 ng/ul	148865	Acenaphthene-d10	14.79

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1,5-dimethyl-	156	C12H12	000571-61-9	96
2	Naphthalene, 2,7-dimethyl-	156	C12H12	000582-16-1	96
3	Naphthalene, 1,4-dimethyl-	156	C12H12	000571-58-4	96
4	Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	95
5	Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	95





Data Path : Z:\HPCHEM1\BNA_G\DATA\BG052316\
Data File : BG022052.D
Acq On : 23 May 2016 18:37
Operator : UM/SJ
Sample : H3124-20
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : JHGJ3

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG052116.M
Quant Title : SVOA CALIBRATION

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

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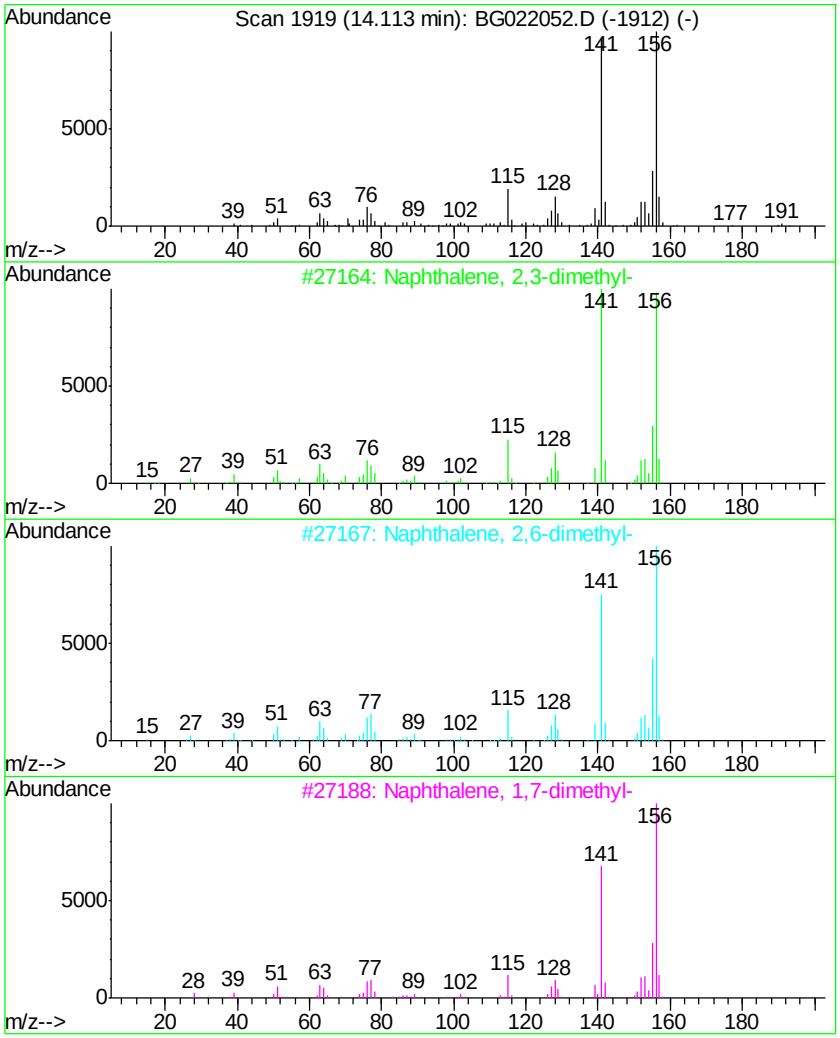
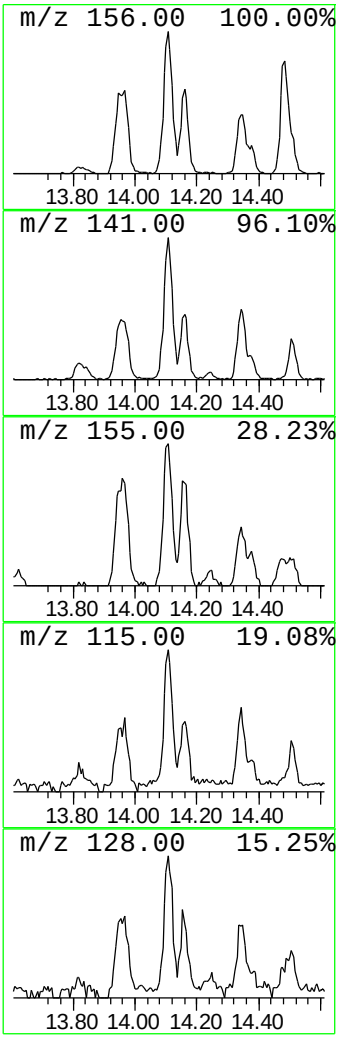
Peak Number 4 Naphthalene, 2,3-dimethyl- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.11	5.63 ng/ul	177327	Acenaphthene-d10	14.79

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	98
2	Naphthalene, 2,6-dimethyl-	156	C12H12	000581-42-0	97
3	Naphthalene, 1,7-dimethyl-	156	C12H12	000575-37-1	97
4	Naphthalene, 1,5-dimethyl-	156	C12H12	000571-61-9	97
5	Naphthalene, 2,6-dimethyl-	156	C12H12	000581-42-0	97





Data Path : Z:\HPCHEM1\BNA_G\DATA\BG052316\
Data File : BG022052.D
Acq On : 23 May 2016 18:37
Operator : UM/SJ
Sample : H3124-20
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : JHGJ3

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG052116.M
Quant Title : SVOA CALIBRATION

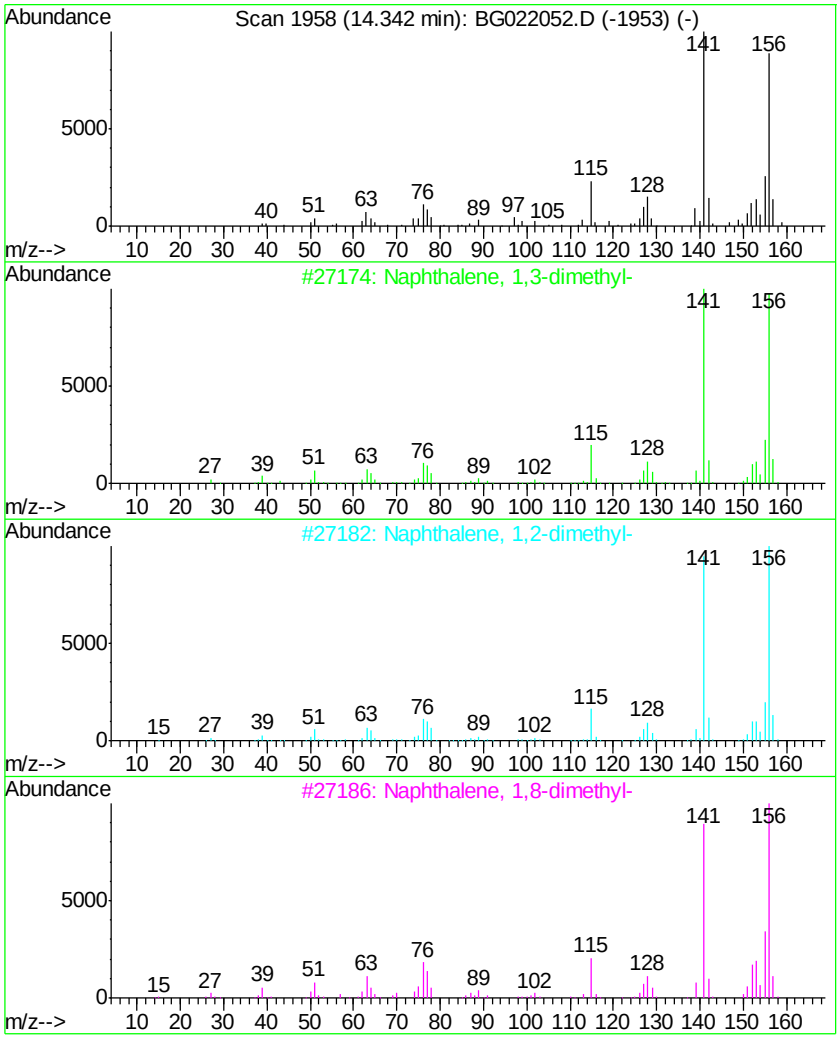
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

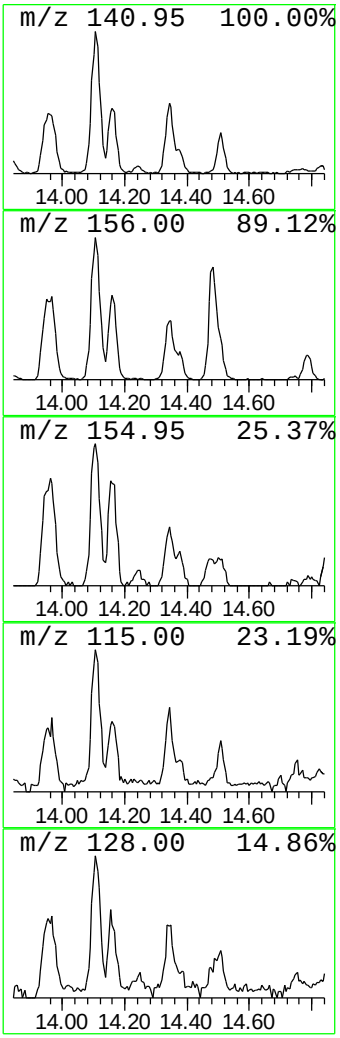
****

Peak Number 5 Naphthalene, 1,3-dimethyl- Concentration Rank 26

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.34	2.14 ng/ul	67334	Acenaphthene-d10	14.79

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1,3-dimethyl-	156	C12H12	000575-41-7	95
2	Naphthalene, 1,2-dimethyl-	156	C12H12	000573-98-8	95
3	Naphthalene, 1,8-dimethyl-	156	C12H12	000569-41-5	95
4	Naphthalene, 1,8-dimethyl-	156	C12H12	000569-41-5	94
5	Naphthalene, 1,4-dimethyl-	156	C12H12	000571-58-4	94





Library Search Compound Report

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Acq On : 23 May 2016 18:37
Operator : UM/SJ
Sample : H3124-20
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : JHGJ3

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Quant Title : SVOA CALIBRATION

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

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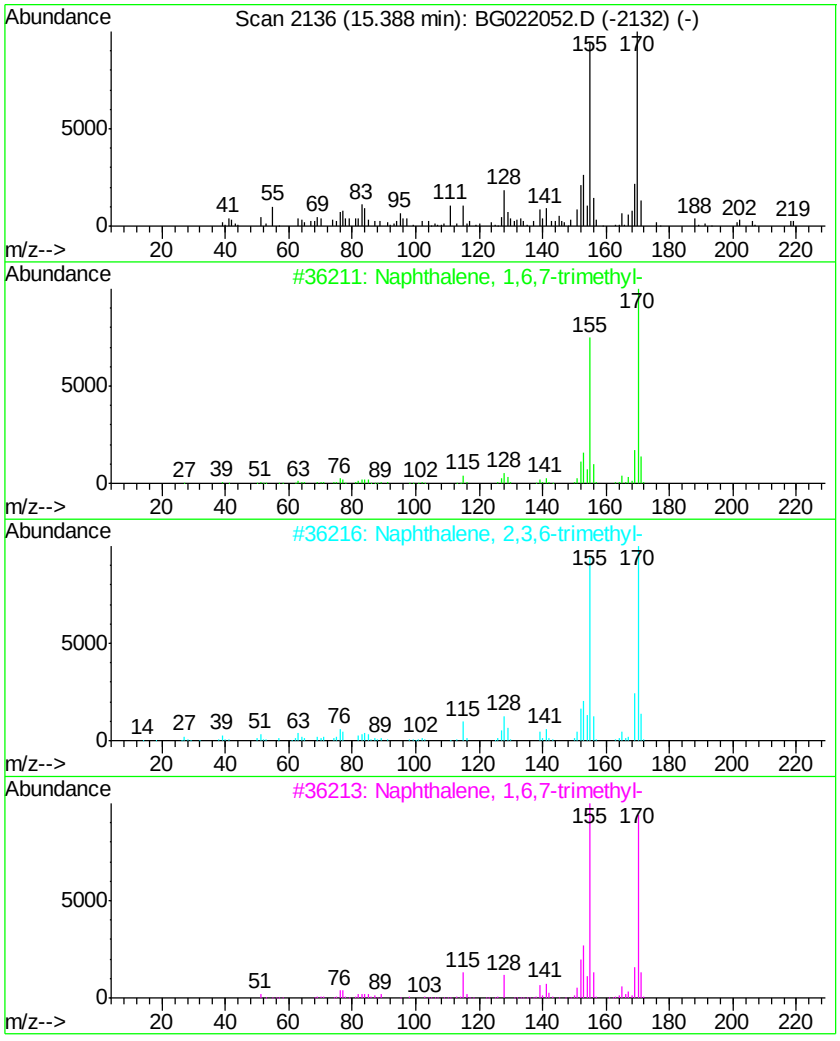
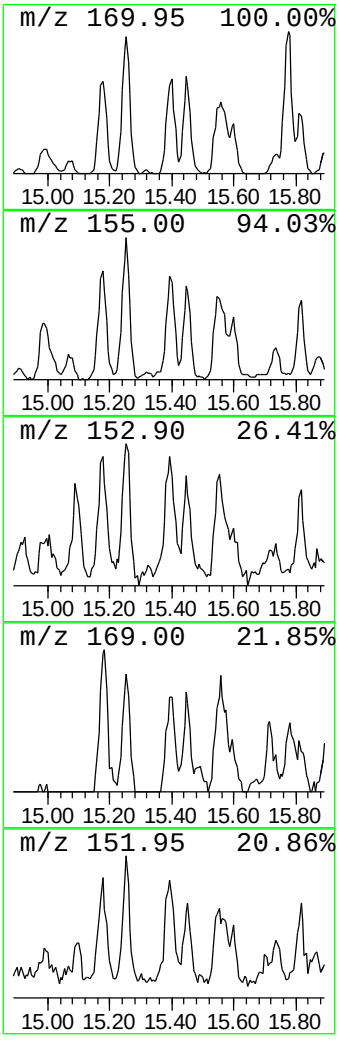
Peak Number 7 Naphthalene, 1,6,7-trimethyl- Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.39	2.87 ng/ul	90554	Acenaphthene-d10	14.79

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1,6,7-trimethyl-	170	C13H14	002245-38-7	95
2	Naphthalene, 2,3,6-trimethyl-	170	C13H14	000829-26-5	95
3	Naphthalene, 1,6,7-trimethyl-	170	C13H14	002245-38-7	94
4	Naphthalene, 1,6,7-trimethyl-	170	C13H14	002245-38-7	94
5	Naphthalene, 1,4,6-trimethyl-	170	C13H14	002131-42-2	94





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Instrument : BNA_G
ClientSampleId : JHGJ3

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Quant Title : SVOA CALIBRATION

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

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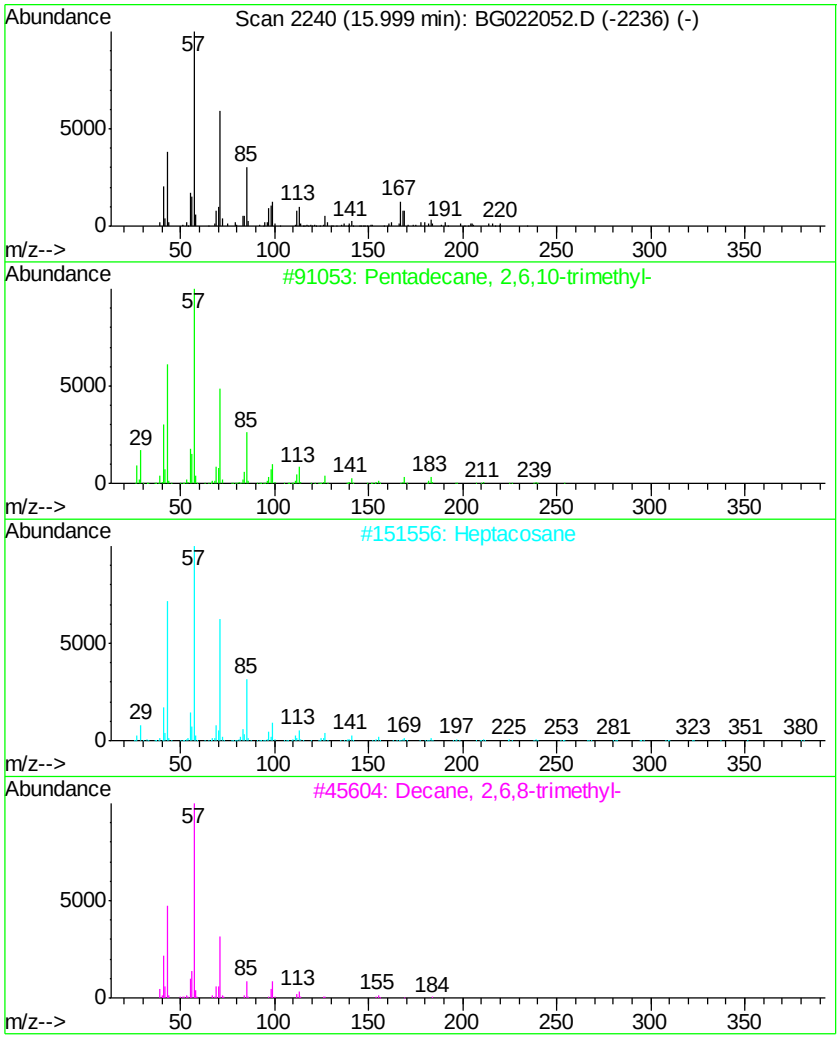
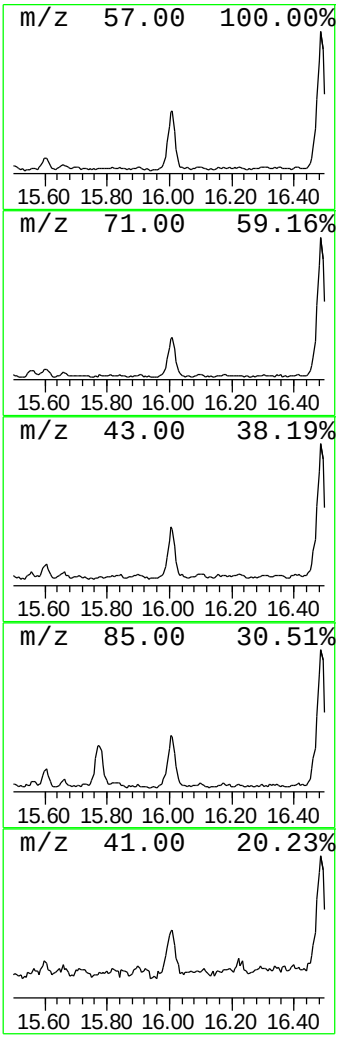
Peak Number 9 (DEL) Alkane: Straight-Chai... Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.00	5.89 ng/ul	185640	Acenaphthene-d10	14.79

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pentadecane, 2,6,10-trimethyl-	254	C18H38	003892-00-0	86
2	Heptacosane	380	C27H56	000593-49-7	72
3	Decane, 2,6,8-trimethyl-	184	C13H28	062108-26-3	68
4	Tridecane	184	C13H28	000629-50-5	64
5	Triacontane	422	C30H62	000638-68-6	64





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Instrument : BNA_G
ClientSampleId : JHGJ3

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG052116.M
Quant Title : SVOA CALIBRATION

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

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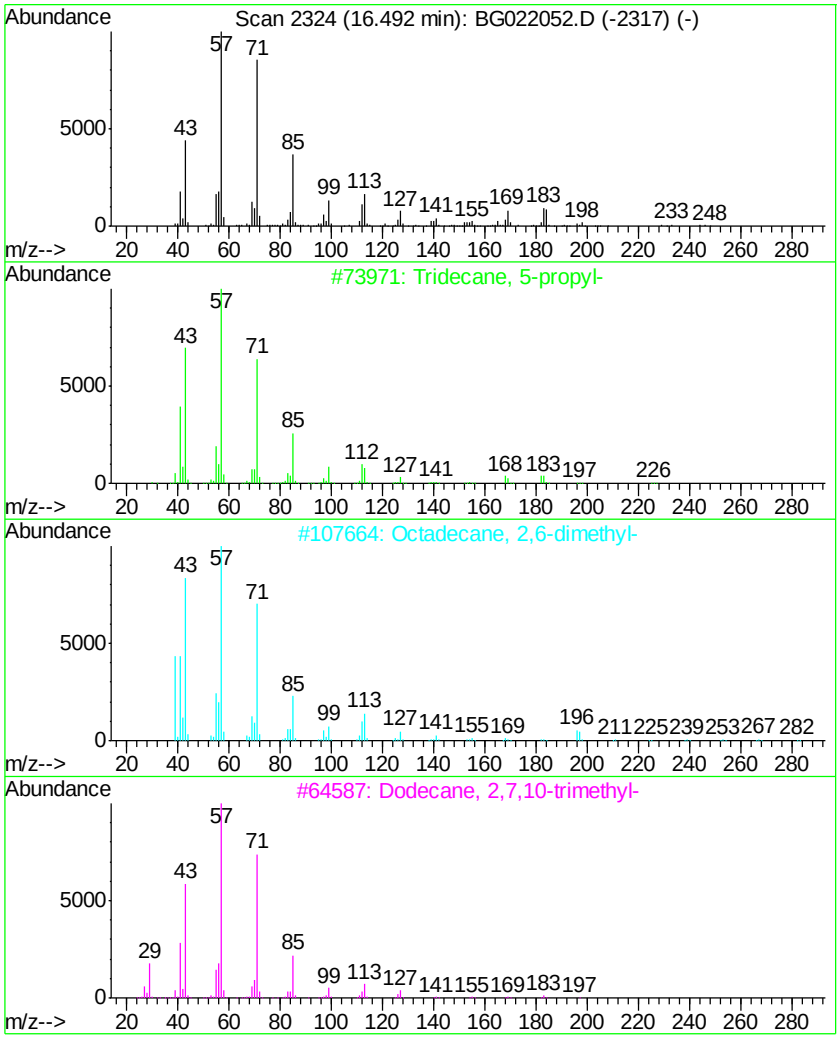
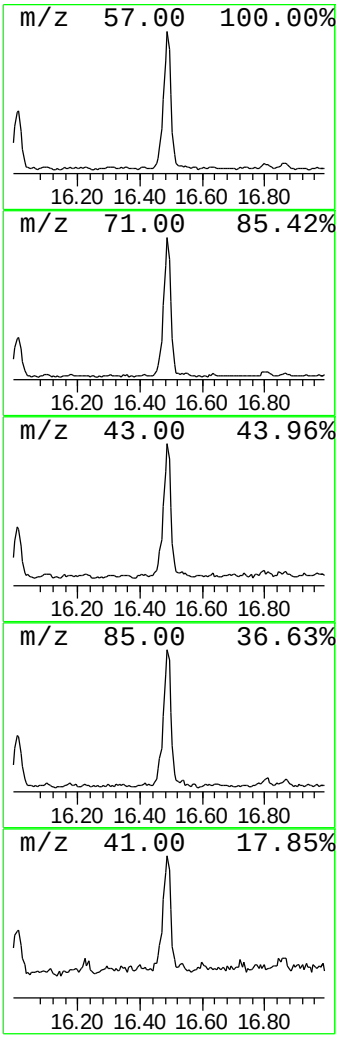
Peak Number 10 (DEL) Alkane: Straight-Chai... Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.49	17.12 ng/ul	481649	Phenanthrene-d10	17.53

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Tridecane, 5-propyl-	226	C16H34	055045-11-9	90
2	Octadecane, 2,6-dimethyl-	282	C20H42	075163-97-2	86
3	Dodecane, 2,7,10-trimethyl-	212	C15H32	074645-98-0	72
4	Tridecane, 7-methyl-	198	C14H30	026730-14-3	70
5	Heptane, 3-ethyl-5-methyl-	142	C10H22	052896-90-9	64





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Instrument : BNA_G
ClientSampleId : JHGJ3

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Quant Title : SVOA CALIBRATION

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

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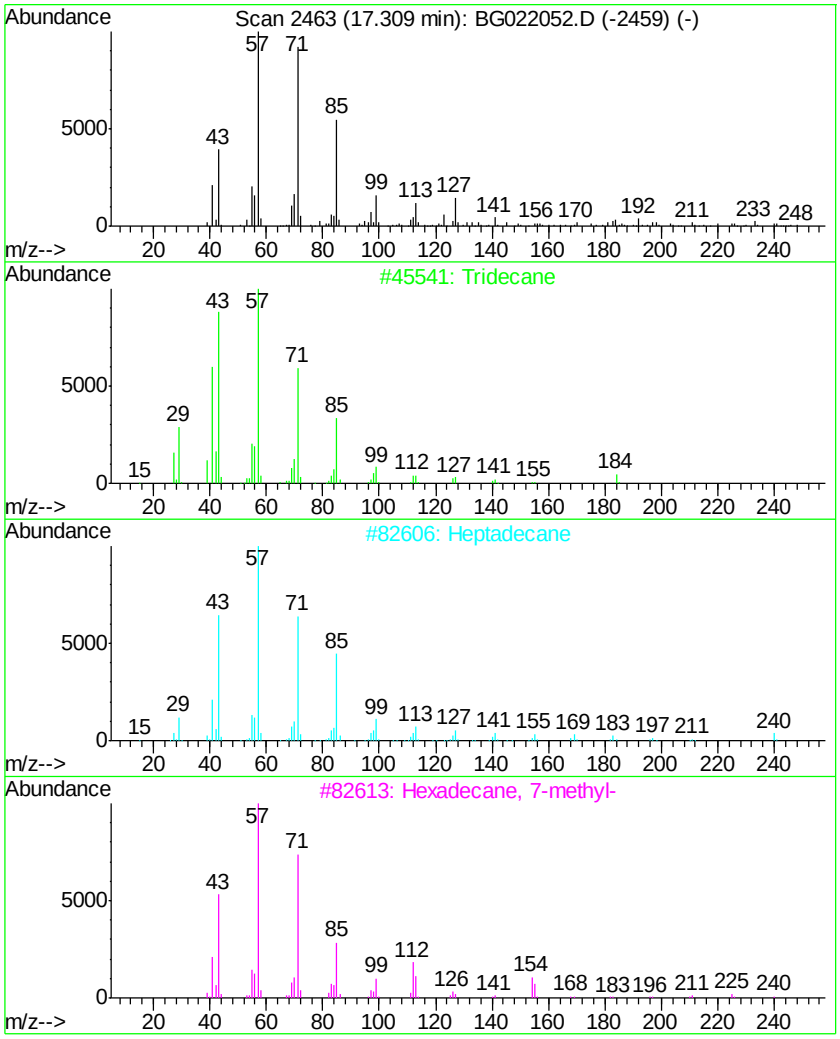
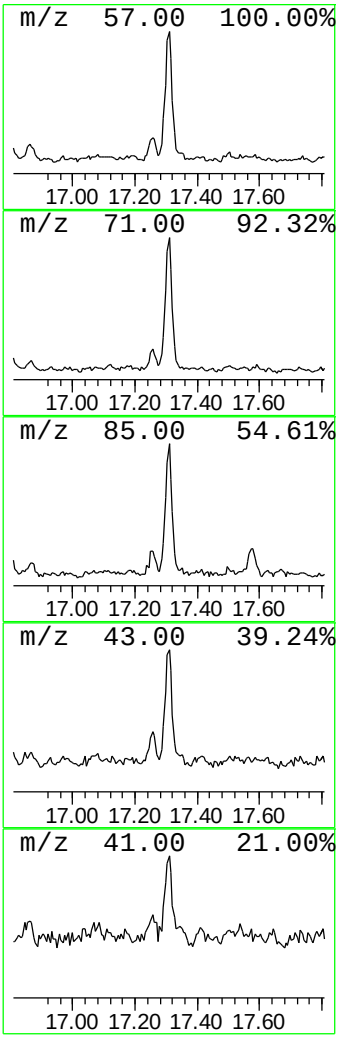
Peak Number 11 (DEL) Alkane: Straight-Chai... Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.31	5.32 ng/ul	149785	Phenanthrene-d10	17.53

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Tridecane	184	C13H28	000629-50-5	86
2	Heptadecane	240	C17H36	000629-78-7	78
3	Hexadecane, 7-methyl-	240	C17H36	026730-20-1	76
4	Hexadecane	226	C16H34	000544-76-3	72
5	Tridecane	184	C13H28	000629-50-5	72





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Instrument : BNA_G
ClientSampleId : JHGJ3

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Quant Title : SVOA CALIBRATION

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

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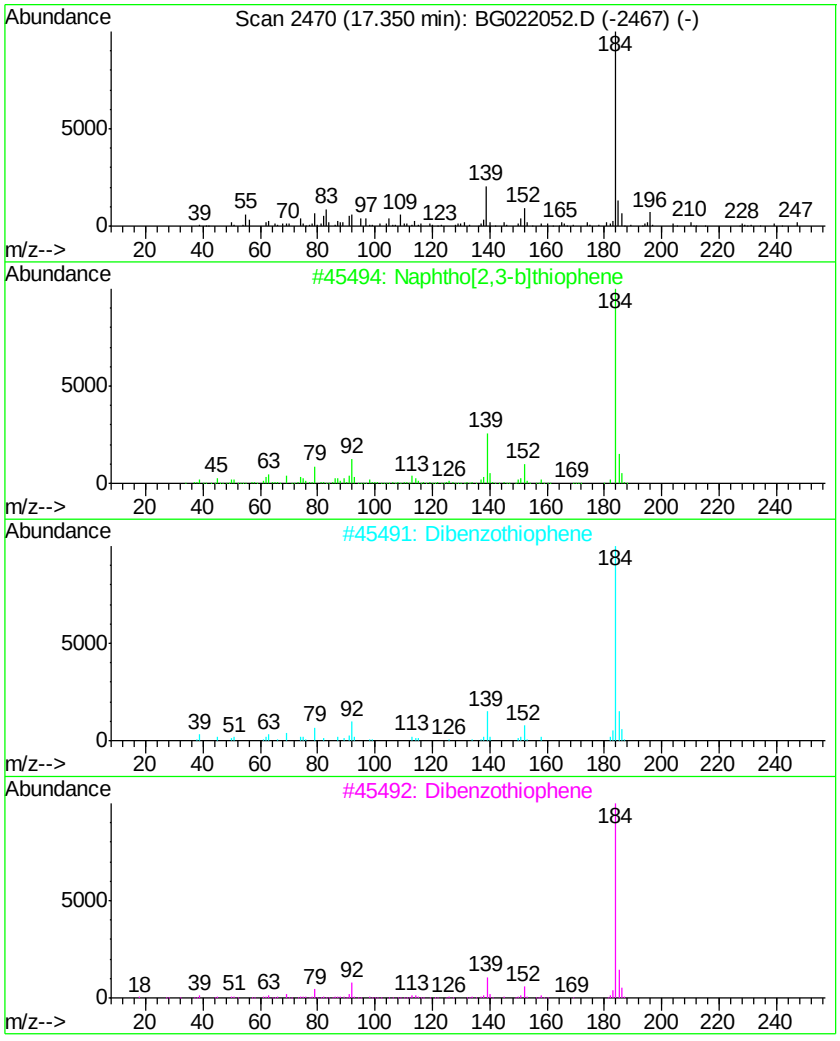
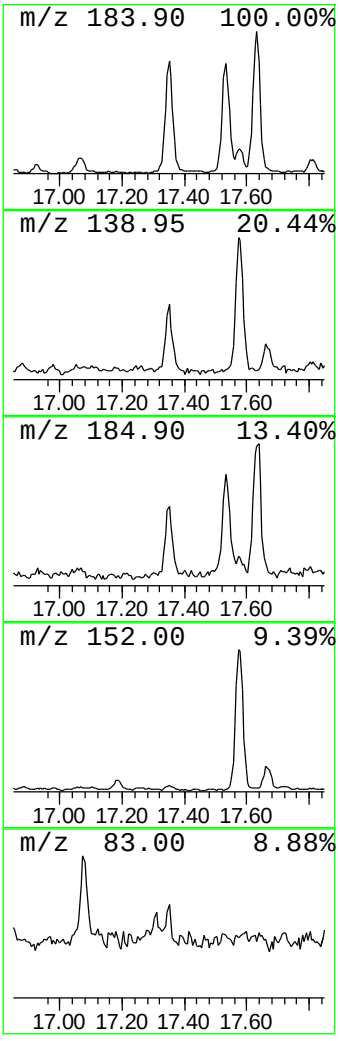
Peak Number 12 Naphtho[2,3-b]thiophene Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.35	3.45 ng/ul	97105	Phenanthrene-d10	17.53

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphtho[2,3-b]thiophene	184	C12H8S	000268-77-9	93
2	Dibenzothiophene	184	C12H8S	000132-65-0	87
3	Dibenzothiophene	184	C12H8S	000132-65-0	86
4	Dibenzothiophene	184	C12H8S	000132-65-0	83
5	Azuleno(2,1-b)thiophene	184	C12H8S	000248-13-5	78





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Instrument : BNA_G
ClientSampleId : JHGJ3

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Quant Title : SVOA CALIBRATION

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

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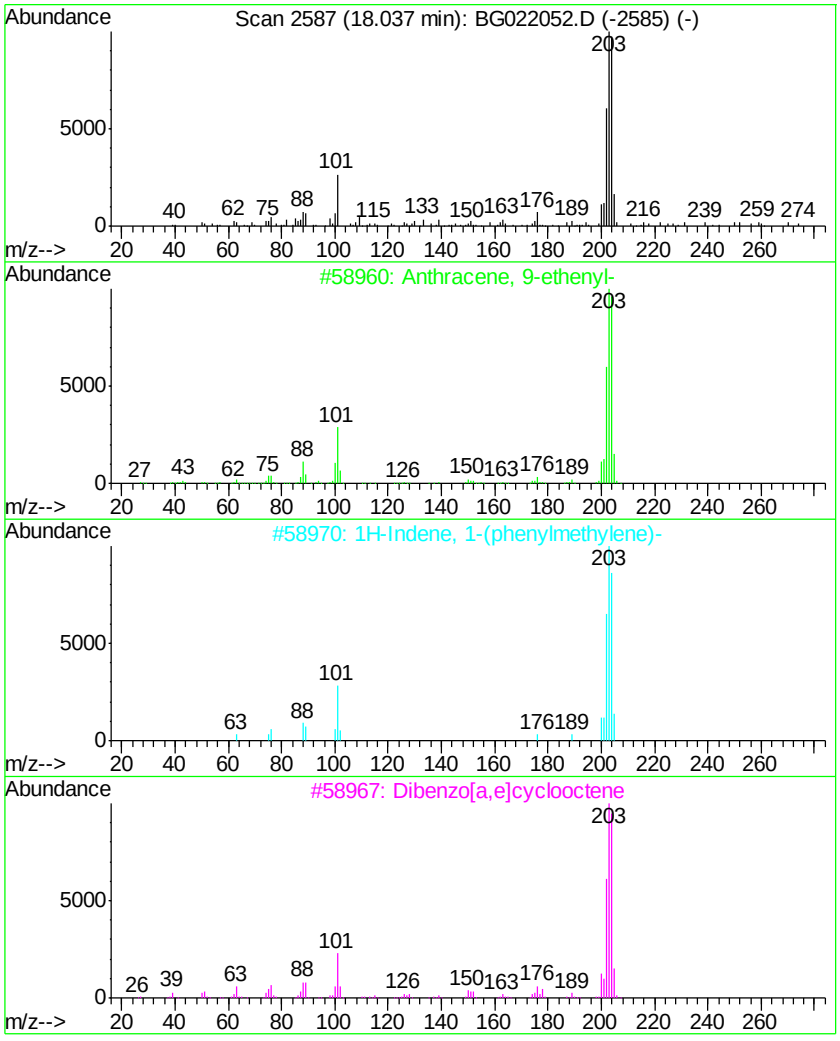
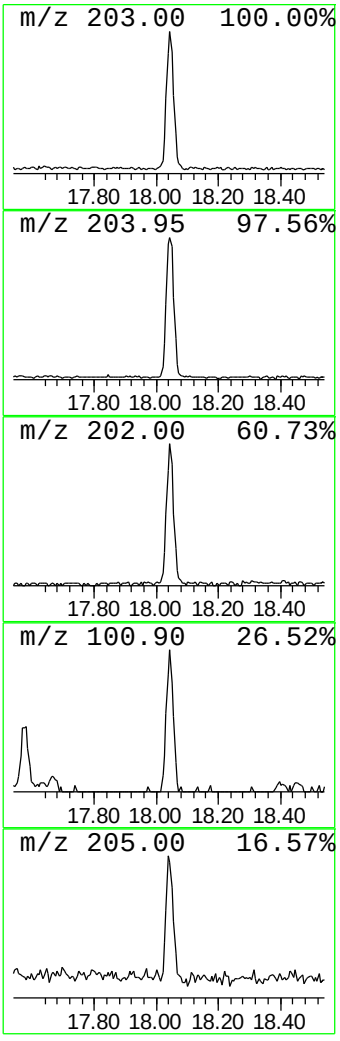
Peak Number 13 Anthracene, 9-ethenyl- Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.04	2.90 ng/ul	81620	Phenanthrene-d10	17.53

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene, 9-ethenyl-	204	C16H12	002444-68-0	89
2	1H-Indene, 1-(phenylmethylene)-	204	C16H12	005394-86-5	76
3	Dibenzo[a,e]cyclooctene	204	C16H12	000262-89-5	70
4	Cyclobuta[1'',2'':3,4;3'',4'':3'...	204	C16H12	006574-36-3	68
5	Naphthalene, 1-phenyl-	204	C16H12	000605-02-7	60





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Instrument : BNA_G
ClientSampleId : JHGJ3

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Quant Title : SVOA CALIBRATION

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

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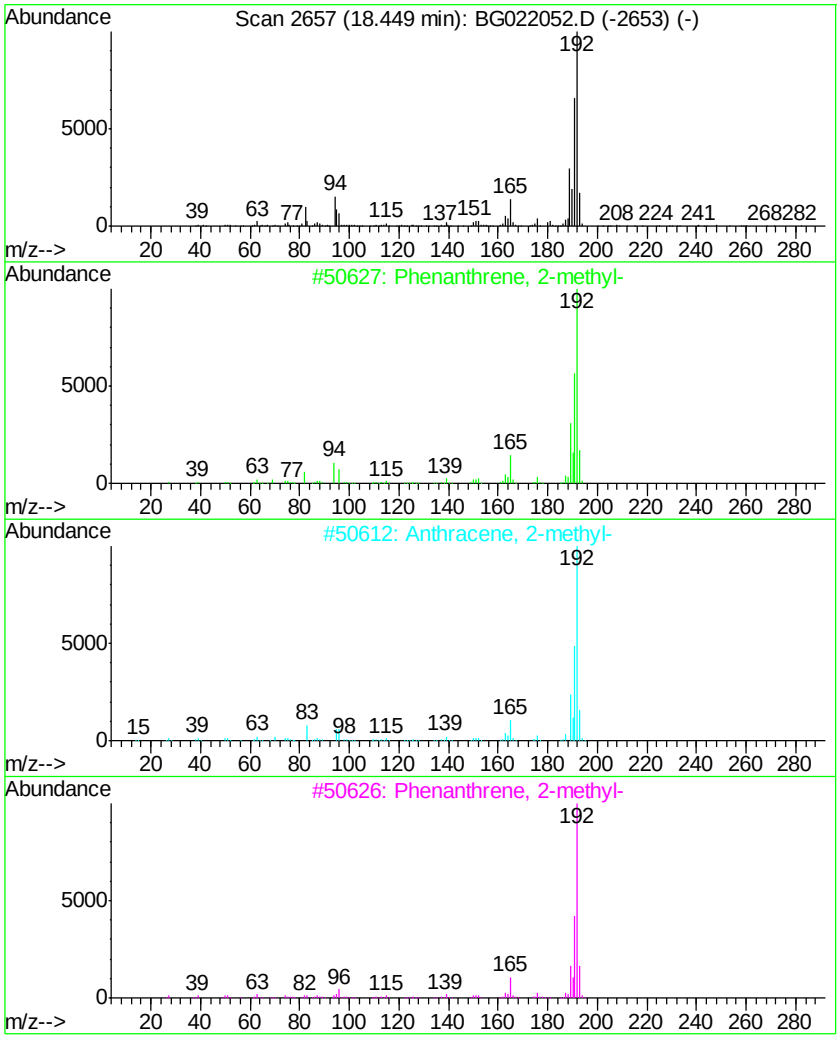
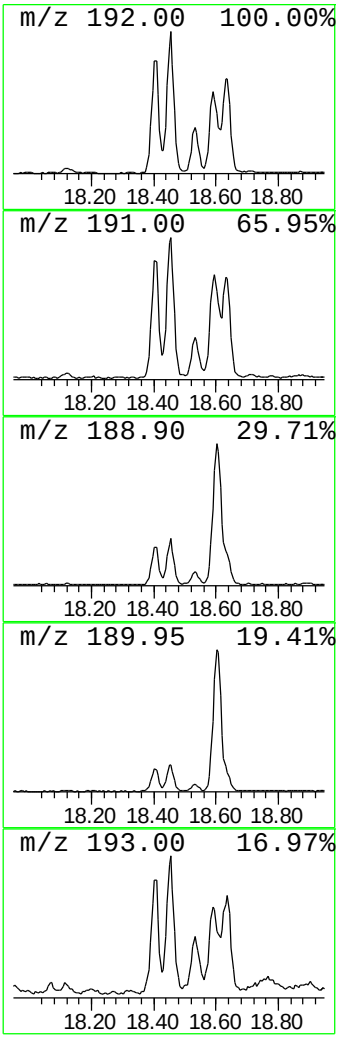
Peak Number 15 Phenanthrene, 2-methyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.45	16.68 ng/ul	469377	Phenanthrene-d10	17.53

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	97
2	Anthracene, 2-methyl-	192	C15H12	000613-12-7	96
3	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	94
4	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	94
5	Anthracene, 1-methyl-	192	C15H12	000610-48-0	93





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Instrument : BNA_G
ClientSampleId : JHGJ3

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Quant Title : SVOA CALIBRATION

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

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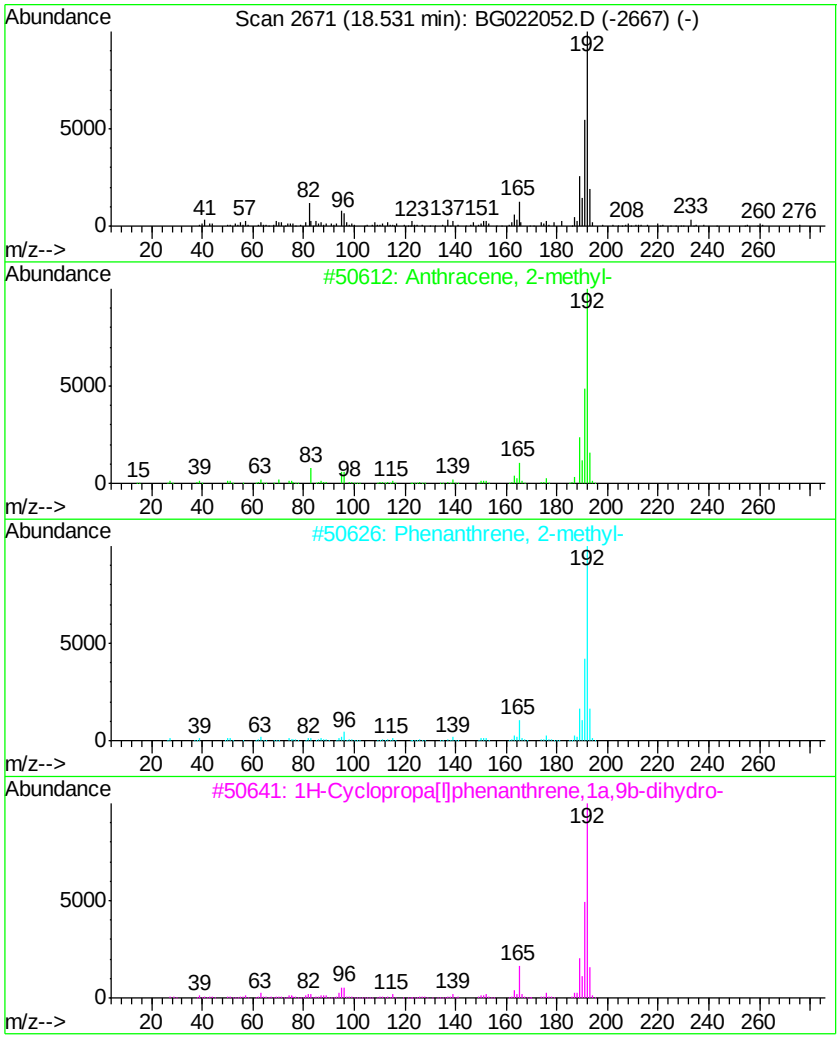
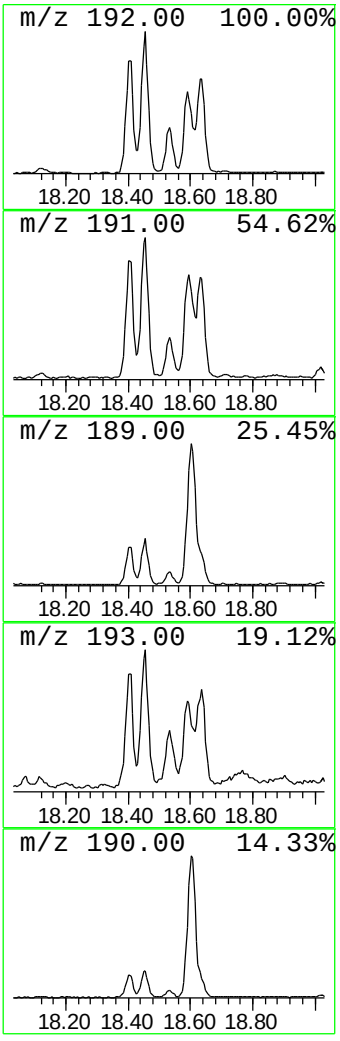
Peak Number 16 Anthracene, 2-methyl- Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.53	5.40 ng/ul	151944	Phenanthrene-d10	17.53

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





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Quant Title : SVOA CALIBRATION

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

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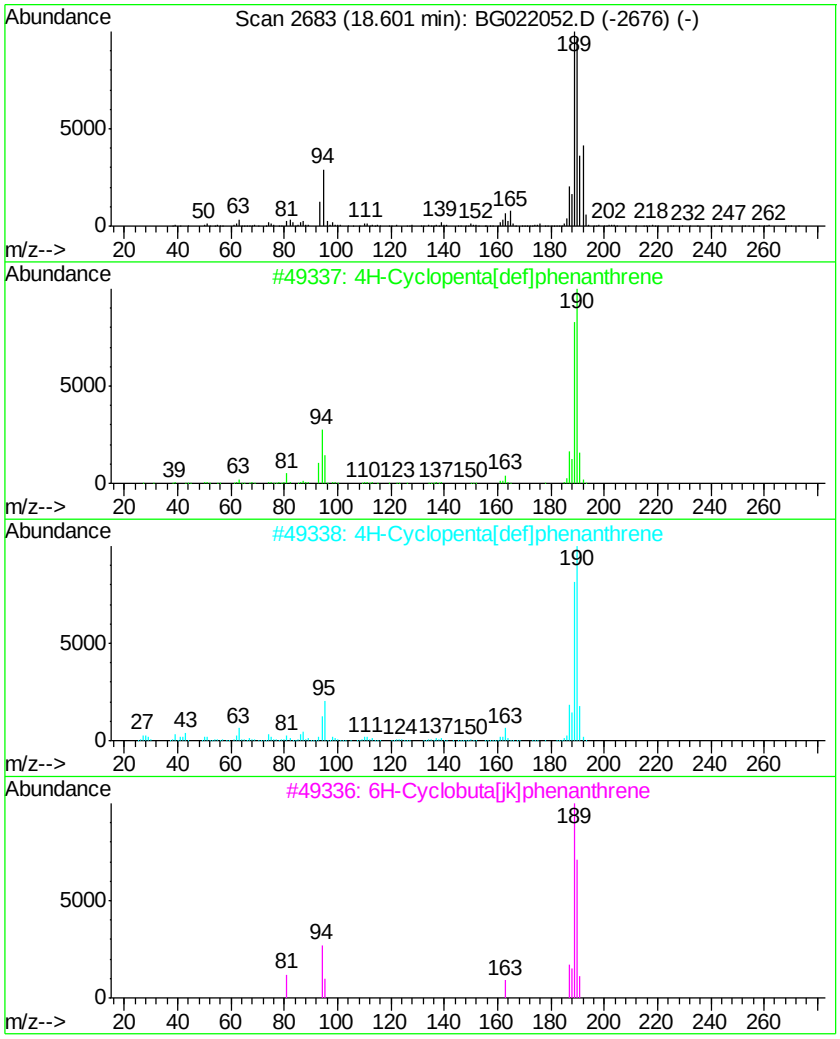
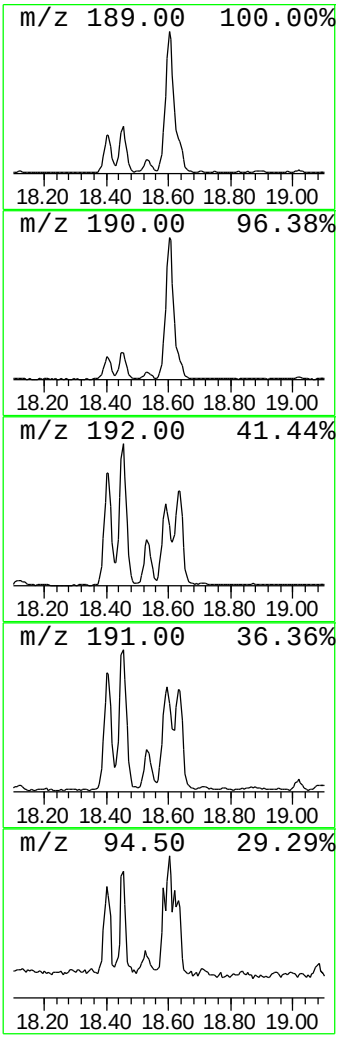
Peak Number 17 4H-Cyclopenta[def]phenanthrene Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.60	27.07 ng/ul	761788	Phenanthrene-d10	17.53

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	93
2	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	62
3	6H-Cyclobuta[jk]phenanthrene	190	C15H10	083469-43-6	59
4	Thiophene-3-carboxaldehyde, 5-ch...	190	C5H4BClO3S	036155-87-0	52
5	2,3,5,6-Tetramethylterephthalald...	190	C12H14O2	007072-01-7	47





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Quant Title : SVOA CALIBRATION

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

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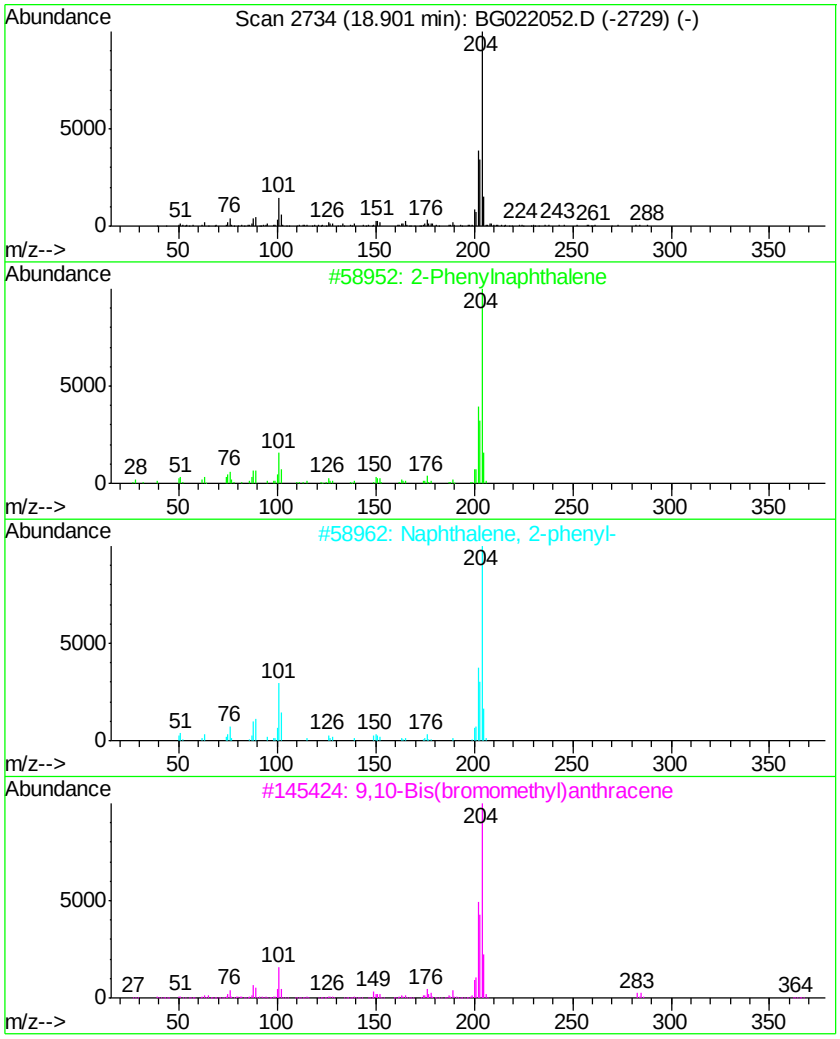
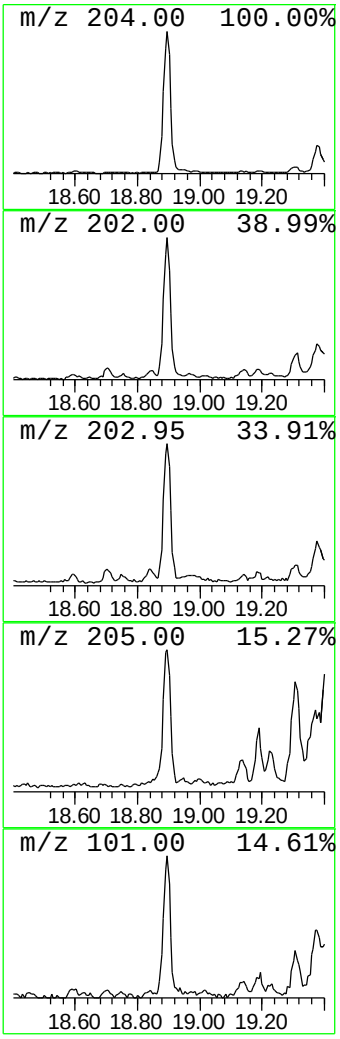
Peak Number 18 2-Phenylnaphthalene Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.90	7.87 ng/ul	221530	Phenanthrene-d10	17.53

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Phenylnaphthalene	204	C16H12	035465-71-5	97
2	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	96
3	9,10-Bis(bromomethyl)anthracene	362	C16H12Br2	034373-96-1	91
4	9,10-di(Chloromethyl)anthracene	274	C16H12Cl2	010387-13-0	91
5	5,16[1',2']:8,13[1'',2'']-Dibenz...	408	C32H24	005672-97-9	91





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Quant Title : SVOA CALIBRATION

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

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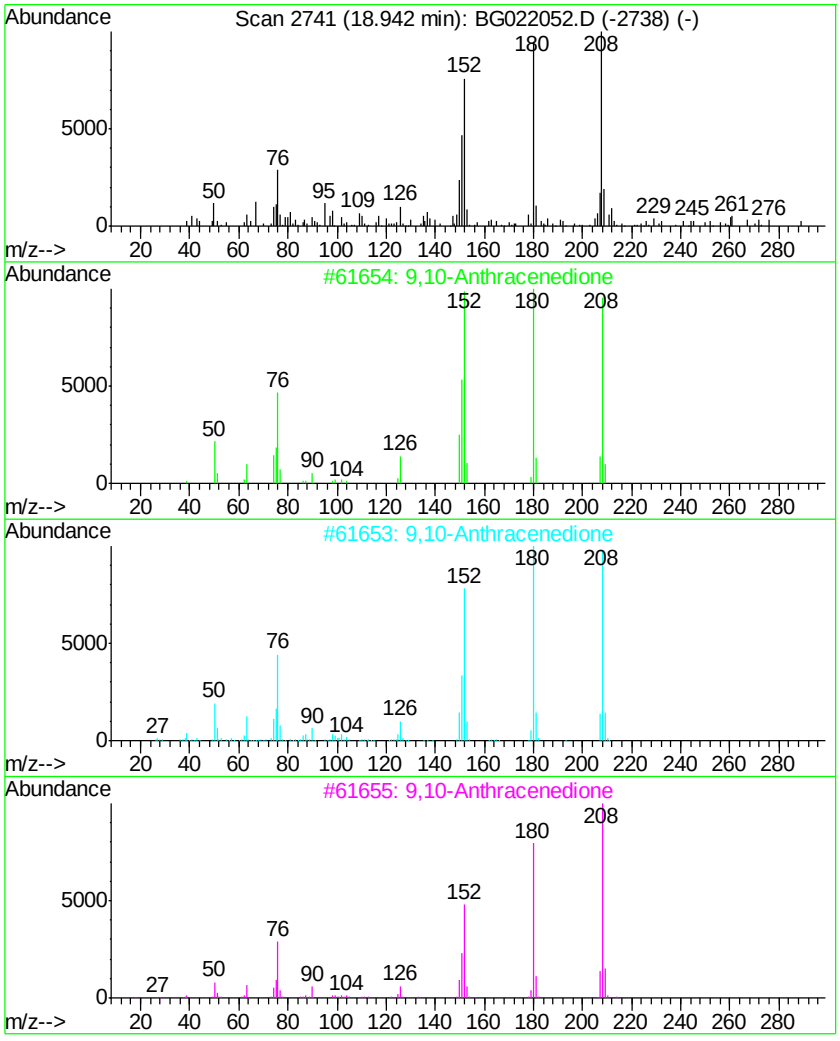
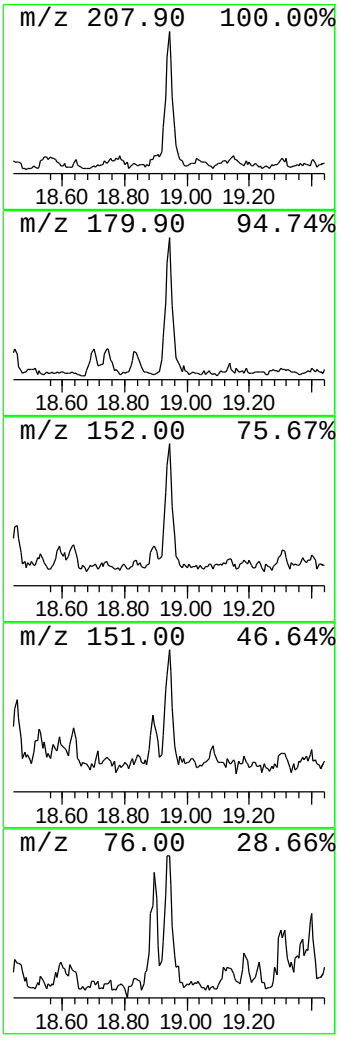
Peak Number 19 9,10-Anthracenedione Concentration Rank 21

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.94	2.69 ng/ul	75768	Phenanthrene-d10	17.53

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	87
3	9,10-Anthracenedione	208	C14H8O2	000084-65-1	62
4	Benzo[c]cinnoline	180	C12H8N2	000230-17-1	49
5	Benzaldehyde, 3-butoxy-4-methoxy-	208	C12H16O3	034127-96-3	49





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Instrument : BNA_G
ClientSampleId : JHGJ3

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Quant Title : SVOA CALIBRATION

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

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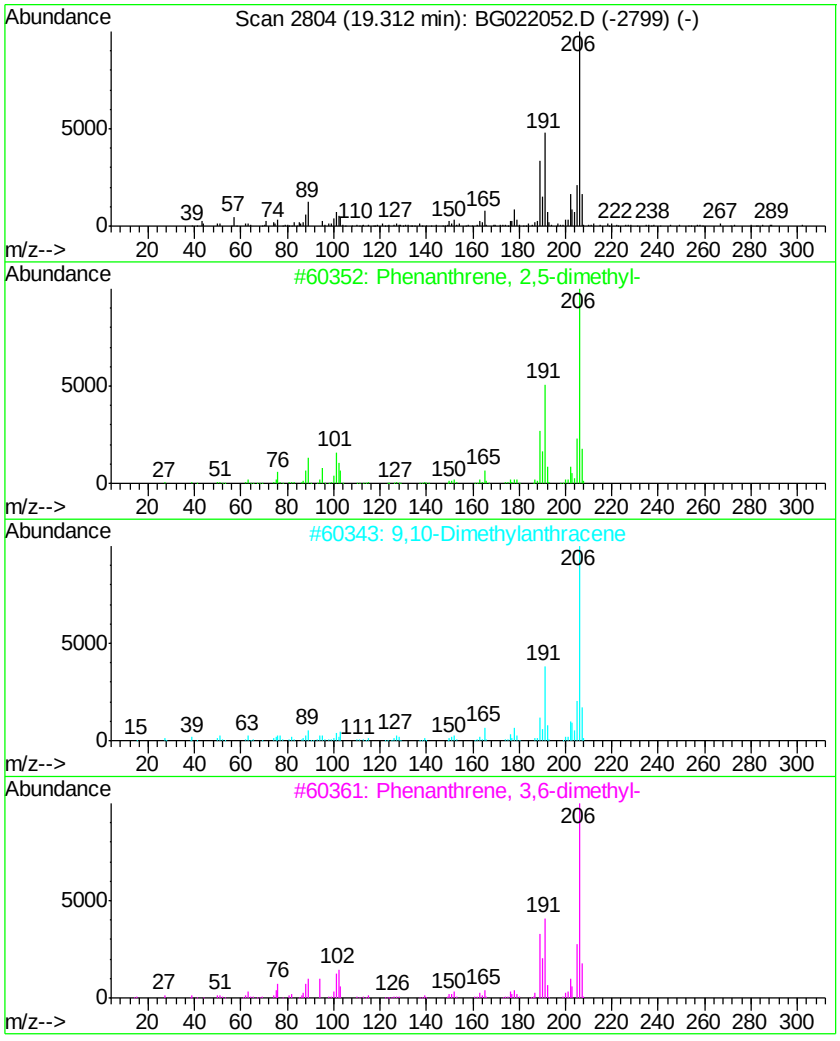
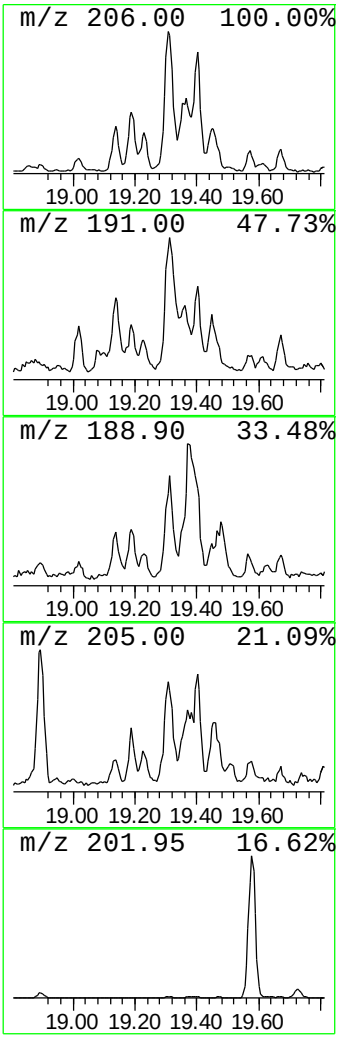
Peak Number 20 Phenanthrene, 2,5-dimethyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.31	6.35 ng/ul	178781	Phenanthrene-d10	17.53

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	97
2	9,10-Dimethylanthracene	206	C16H14	000781-43-1	96
3	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	95
4	Phenanthrene, 2,7-dimethyl-	206	C16H14	001576-69-8	93
5	Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	93





Data Path : Z:\HPCHEM1\BNA_G\DATA\BG052316\
Data File : BG022052.D
Acq On : 23 May 2016 18:37
Operator : UM/SJ
Sample : H3124-20
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : JHGJ3

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG052116.M
Quant Title : SVOA CALIBRATION

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

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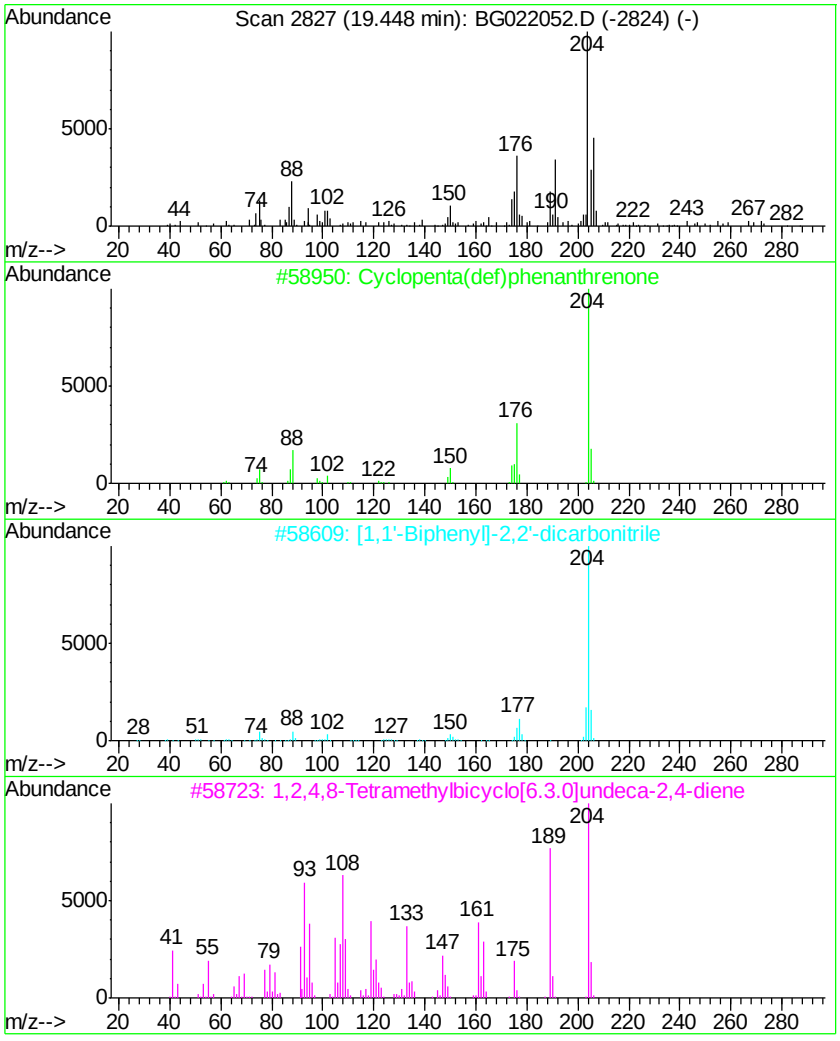
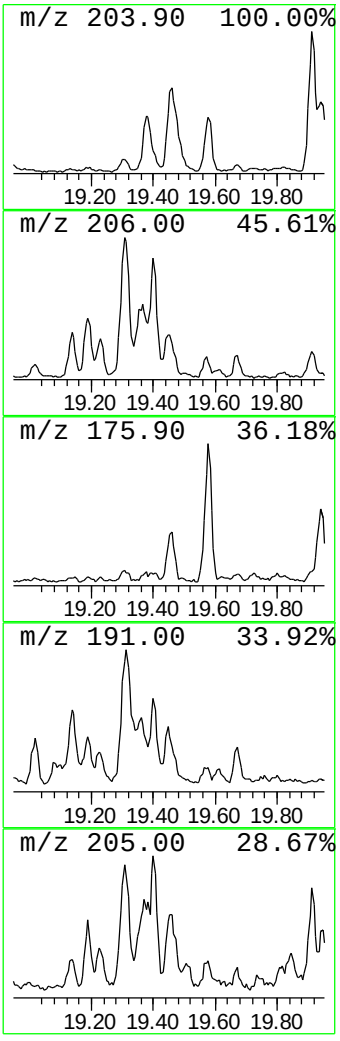
Peak Number 21 Cyclopenta(def)phenanthrenone Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.45	5.38 ng/ul	151441	Phenanthrene-d10	17.53

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopenta(def)phenanthrenone	204	C15H8O	005737-13-3	94
2	[1,1'-Biphenyl]-2,2'-dicarbonitrile	204	C14H8N2	004341-02-0	46
3	1,2,4,8-Tetramethylbicyclo[6.3.0...	204	C15H24	137235-51-9	45
4	3,4-Biphenyldicarbonitrile	204	C14H8N2	004128-63-6	45
5	Acephenanthrylene, 4,5-dihydro-	204	C16H12	006232-48-0	43





Data Path : Z:\HPCHEM1\BNA_G\DATA\BG052316\
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Acq On : 23 May 2016 18:37
Operator : UM/SJ
Sample : H3124-20
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : JHGJ3

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG052116.M
Quant Title : SVOA CALIBRATION

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

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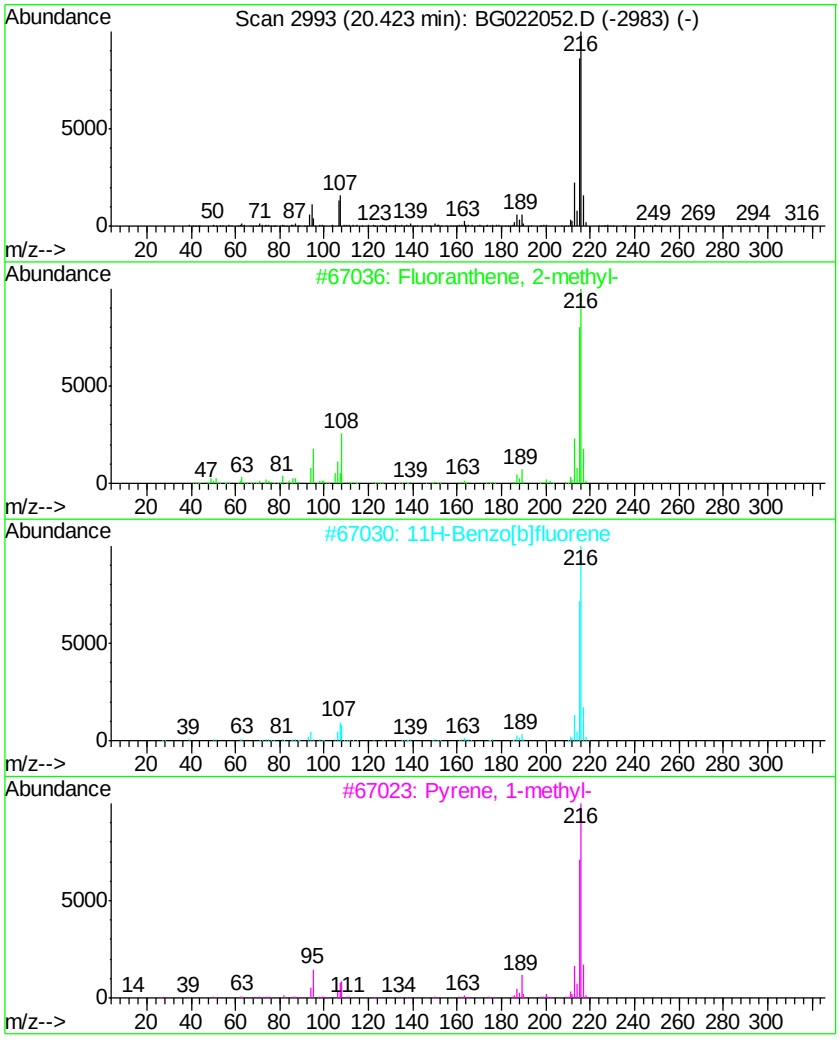
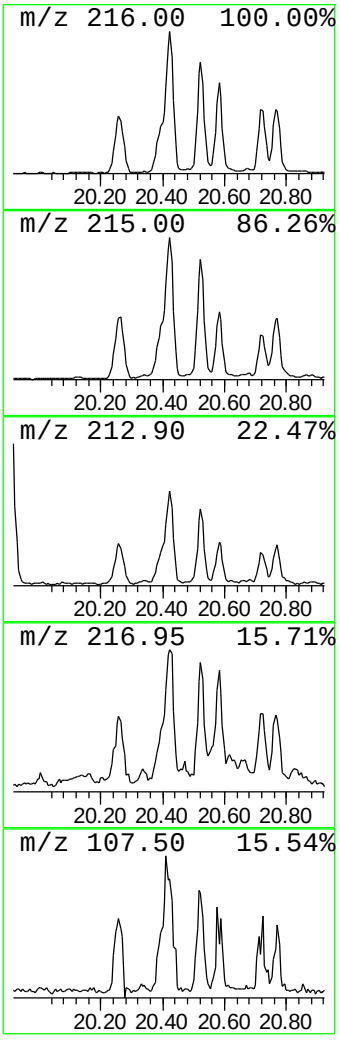
Peak Number 23 Fluoranthene, 2-methyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.42	5.85 ng/ul	497055	Chrysene-d12	21.82

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	93
2	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	87
3	Pyrene, 1-methyl-	216	C17H12	002381-21-7	87
4	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	83
5	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	81





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG052316\
Data File : BG022052.D
Acq On : 23 May 2016 18:37
Operator : UM/SJ
Sample : H3124-20
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : JHGJ3

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG052116.M
Quant Title : SVOA CALIBRATION

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

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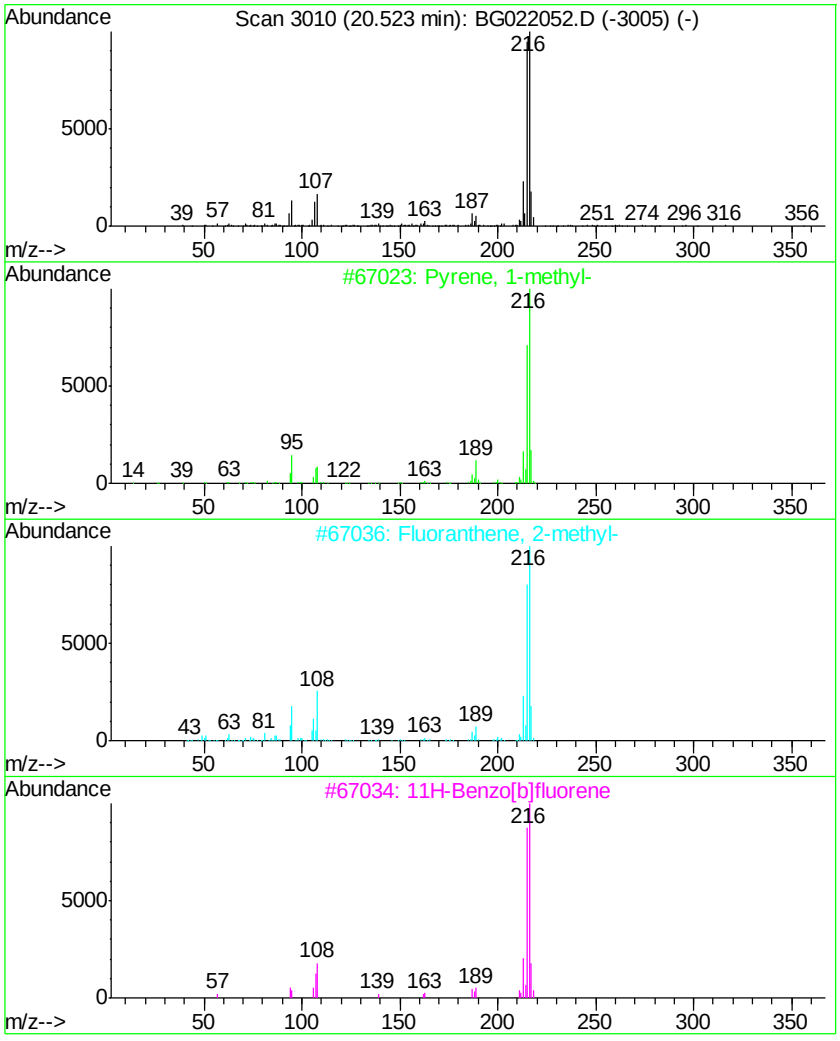
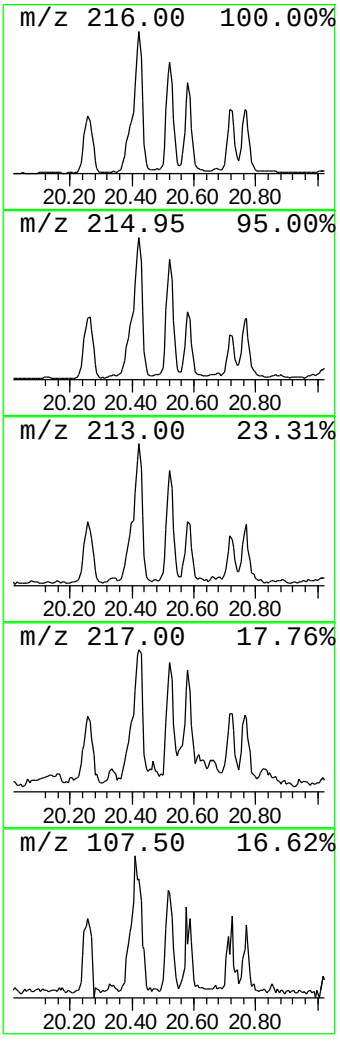
Peak Number 24 Pyrene, 1-methyl- Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.52	2.99 ng/ul	254270	Chrysene-d12	21.82

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	91
3	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	91
4	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	90
5	Pyrene, 2-methyl-	216	C17H12	003442-78-2	76





Data Path : Z:\HPCHEM1\BNA_G\DATA\BG052316\
Data File : BG022052.D
Acq On : 23 May 2016 18:37
Operator : UM/SJ
Sample : H3124-20
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : JHGJ3

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG052116.M
Quant Title : SVOA CALIBRATION

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

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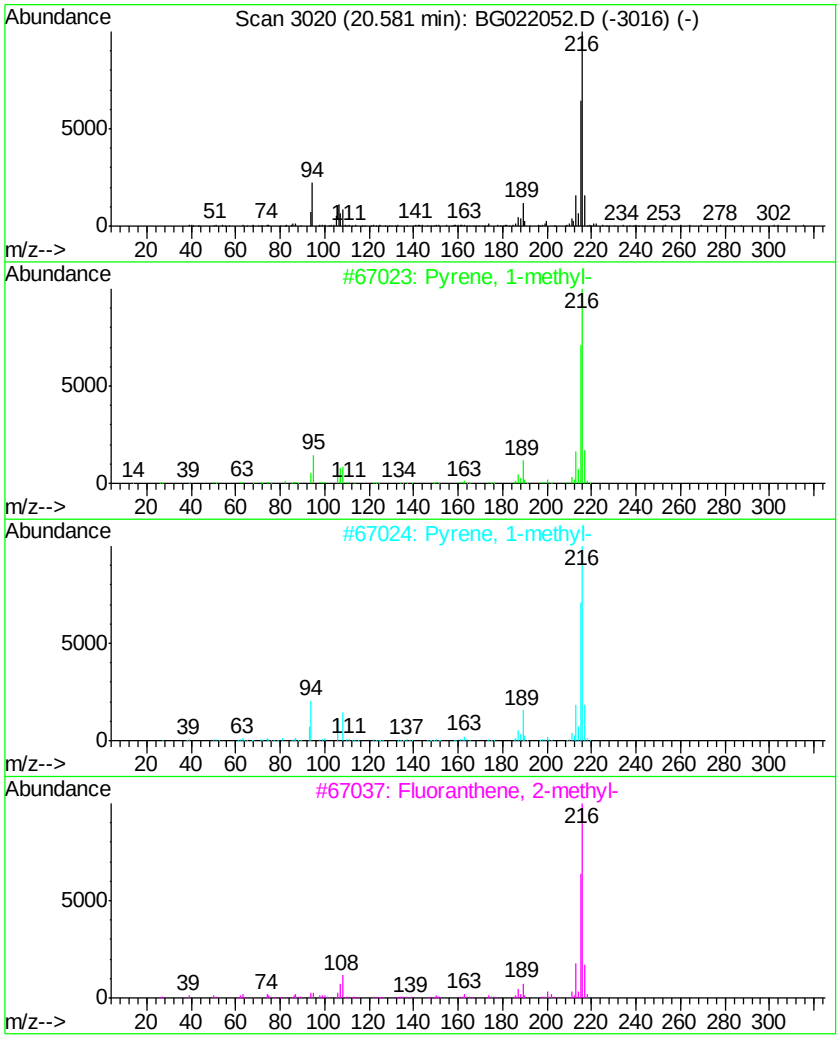
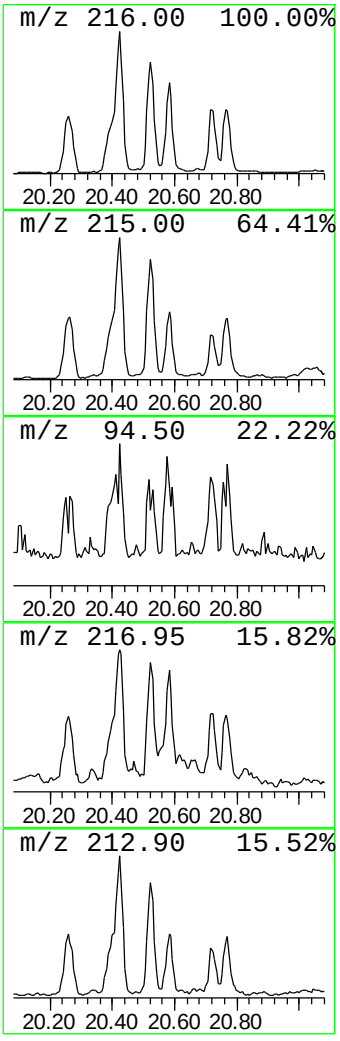
Peak Number 25 Pyrene, 2-methyl- Concentration Rank 24

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.58	2.45 ng/ul	208534	Chrysene-d12	21.82

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene, 1-methyl-	216	C17H12	002381-21-7	96
2	Pyrene, 1-methyl-	216	C17H12	002381-21-7	93
3	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	93
4	Pyrene, 2-methyl-	216	C17H12	003442-78-2	91
5	Pyrene, 1-methyl-	216	C17H12	002381-21-7	90





Data Path : Z:\HPCHEM1\BNA_G\DATA\BG052316\
Data File : BG022052.D
Acq On : 23 May 2016 18:37
Operator : UM/SJ
Sample : H3124-20
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : JHGJ3

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG052116.M
Quant Title : SVOA CALIBRATION

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

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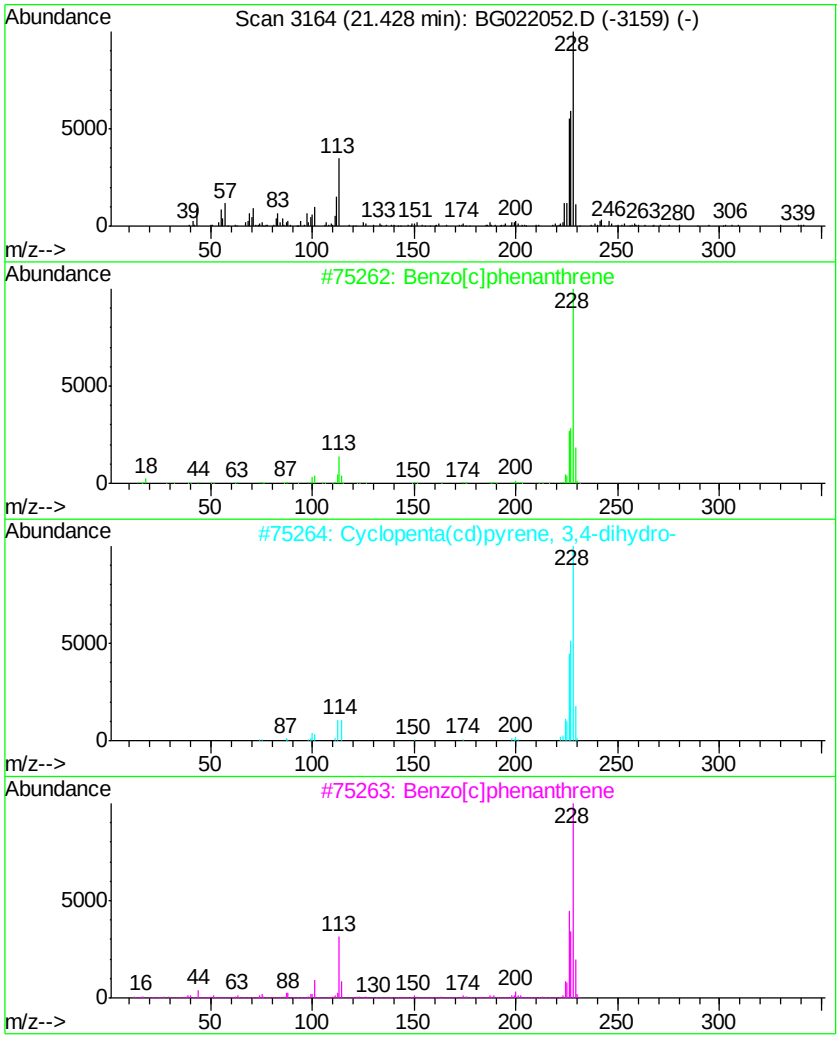
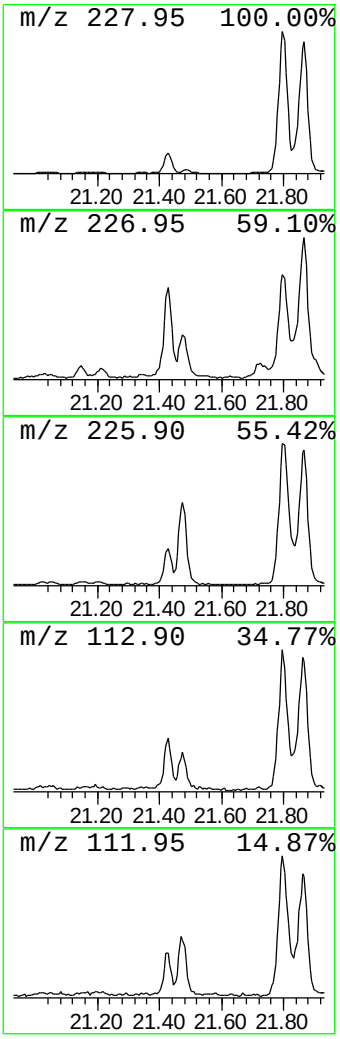
Peak Number 26 Benzo[c]phenanthrene Concentration Rank 27

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.43	2.13 ng/ul	181173	Chrysene-d12	21.82

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[c]phenanthrene	228	C18H12	000195-19-7	52
2	Cyclopenta(cd)pyrene, 3,4-dihydro-	228	C18H12	025732-74-5	49
3	Benzo[c]phenanthrene	228	C18H12	000195-19-7	47
4	Isothiazol-5-amine, 4-bromo-3-ch...	226	C4H4BrClN2S	1000272-59-9	40
5	Naphthacene	228	C18H12	000092-24-0	38





Tentatively Identified Compound (LSC) summary

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG052316\
Data File : BG022052.D
Acq On : 23 May 2016 18:37
Operator : UM/SJ
Sample : H3124-20
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : JHGJ3

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG052116.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
Naphthalene, 1-me...	12.84	4.4	ng/ul	95226	2	10.98	435307	20.0
(DEL) Alkane: Str...	13.30	2.3	ng/ul	72697	3	14.79	629991	20.0
Naphthalene, 1,5-...	13.97	4.7	ng/ul	148865	3	14.79	629991	20.0
Naphthalene, 2,3-...	14.11	5.6	ng/ul	177327	3	14.79	629991	20.0
Naphthalene, 1,3-...	14.34	2.1	ng/ul	67334	3	14.79	629991	20.0
Naphthalene, 1,6,...	15.39	2.9	ng/ul	90554	3	14.79	629991	20.0
(DEL) Alkane: Str...	16.00	5.9	ng/ul	185640	3	14.79	629991	20.0
(DEL) Alkane: Str...	16.49	17.1	ng/ul	481649	4	17.53	562821	20.0
(DEL) Alkane: Str...	17.31	5.3	ng/ul	149785	4	17.53	562821	20.0
Naphtho[2,3-b]thi...	17.35	3.5	ng/ul	97105	4	17.53	562821	20.0
Anthracene, 9-eth...	18.04	2.9	ng/ul	81620	4	17.53	562821	20.0
Phenanthrene, 2-m...	18.45	16.7	ng/ul	469377	4	17.53	562821	20.0
Anthracene, 2-met...	18.53	5.4	ng/ul	151944	4	17.53	562821	20.0
4H-Cyclopenta[def...	18.60	27.1	ng/ul	761788	4	17.53	562821	20.0
2-Phenylnaphthalene	18.90	7.9	ng/ul	221530	4	17.53	562821	20.0
9,10-Anthracenedione	18.94	2.7	ng/ul	75768	4	17.53	562821	20.0
Phenanthrene, 2,5...	19.31	6.3	ng/ul	178781	4	17.53	562821	20.0
Cyclopenta(def)ph...	19.45	5.4	ng/ul	151441	4	17.53	562821	20.0
Fluoranthene, 2-m...	20.42	5.8	ng/ul	497055	5	21.82	1699730	20.0
Pyrene, 1-methyl-	20.52	3.0	ng/ul	254270	5	21.82	1699730	20.0
Pyrene, 2-methyl-	20.58	2.5	ng/ul	208534	5	21.82	1699730	20.0
Benzo[c]phenanthrene	21.43	2.1	ng/ul	181173	5	21.82	1699730	20.0