LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG121815\
Data File : BG020264.D
Acq On : 18 Dec 2015 3:21
Operator : UM/SJ
Sample : G4767-22RE
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N44RE

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-BG121415.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	8.658	975	990	997	rBV	3530333	7409747	8.01%	0.760%
2	10.426	1284	1291	1305	rVB3	318852	1243417	1.34%	0.128%
3	11.126	1372	1410	1414	rVV3	8917718	70642240	76.35%	7.248%
4	11.178	1414	1419	1424	rVB	2514586	3587069	3.88%	0.368%
5	12.471	1632	1639	1650	rVB2	605776	1442384	1.56%	0.148%
6	12.671	1650	1673	1676	rVV	8434337	41436439	44.79%	4.252%
7	12.724	1676	1682	1688	rVV	885052	1507345	1.63%	0.155%
8	12.871	1688	1707	1711	rVV	7396931	24206349	26.16%	2.484%
9	13.611	1817	1833	1838	rBV	6942884	17515582	18.93%	1.797%
10	13.793	1855	1864	1874	rVB	3582456	8023757	8.67%	0.823%
11	13.946	1874	1890	1895	rBV	4620423	13948801	15.08%	1.431%
12	14.093	1904	1915	1919	rBV	4908336	12783208	13.82%	1.312%
13	14.146	1919	1924	1929	rVV	4983465	7910558	8.55%	0.812%
14	14.316	1945	1953	1956	rBV	2592380	4807843	5.20%	0.493%
15	14.345	1956	1958	1963	rVB	1216388	1351675	1.46%	0.139%
16	14.480	1975	1981	1989	rVB2	4099236	7389618	7.99%	0.758%
17	14.809	2022	2037	2039	rBV	6006577	12604474	13.62%	1.293%
18	15.080	2075	2083	2091	rBV3	2566357	4881934	5.28%	0.501%
19	15.221	2091	2107	2109	rBV2	8697900	31249258	33.78%	3.206%
20	15.250	2110	2112	2116	rVB2	10001889	9864500	10.66%	1.012%
21	15.374	2125	2133	2137	rBV2	1512907	2641648	2.86%	0.271%
22	15.426	2137	2142	2152	rVB2	1465455	2270159	2.45%	0.233%
23	15.538	2152	2161	2164	rBV3	948968	2194003	2.37%	0.225%
24	15.738	2184	2195	2198	rBV6	537847	1683680	1.82%	0.173%
25	15.873	2198	2218	2219	rBV2	8251153	33519430	36.23%	3.439%
26	15.938	2226	2229	2231	rBV	2069016	2739189	2.96%	0.281%
27	15.973	2231	2235	2237	rVV	3007917	5244819	5.67%	0.538%
28	16.008	2237	2241	2245	rVV3	5083781	9543681	10.32%	0.979%
29	16.043	2245	2247	2250	rVV	1485413	1796091	1.94%	0.184%
30	16.084	2250	2254	2256	rVV	3475626	5133163	5.55%	0.527%
31	16.126	2256	2261	2266	rVB	5523063	9805139	10.60%	1.006%
32	16.272	2274	2286	2295	rBV2	5006216	16501424	17.84%	1.693%
33	16.349	2295	2299	2303	rVB	1514234	1894717	2.05%	0.194%
34	16.596	2335	2341	2346	rVB	3675595	5929831	6.41%	0.608%

LSC Area Percent Report

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Data File : BG020264.D
Acq On : 18 Dec 2015 3:21
Operator : UM/SJ
Sample : G4767-22RE
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N44RE

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-BG121415.M
Title : SVOA CALIBRATION

35	16.760	2363	2369	2370	rBV	1383340	2128080	2.30%	0.218%
36	16.813	2371	2378	2382	rVB2	4633617	8697539	9.40%	0.892%
37	16.866	2382	2387	2391	rBV2	2035520	2831203	3.06%	0.290%
38	16.960	2396	2403	2407	rVB3	2097715	3852917	4.16%	0.395%
39	17.007	2407	2411	2412	rBV	1189668	1566302	1.69%	0.161%
40	17.072	2418	2422	2426	rVB	1258193	1743696	1.88%	0.179%
41	17.154	2433	2436	2444	rVB5	614006	1265831	1.37%	0.130%
42	17.254	2445	2453	2460	rBV3	2797768	7008027	7.57%	0.719%
43	17.354	2460	2470	2489	rVB	6574053	18396938	19.88%	1.888%
44	17.647	2493	2520	2531	rBV6	10013813	92521128	100.00%	9.493%
45	17.771	2537	2541	2545	rVB	8783727	13659034	14.76%	1.401%
46	17.953	2562	2572	2580	rBV3	5698684	13079904	14.14%	1.342%
47	18.041	2582	2587	2591	rBV2	2304473	3523208	3.81%	0.361%
48	18.241	2615	2621	2631	rVB2	1196003	2421264	2.62%	0.248%
49	18.411	2639	2650	2654	rBV	5866748	15683578	16.95%	1.609%
50	18.476	2654	2661	2665	rVV	8348142	17792680	19.23%	1.826%
51	18.558	2667	2675	2679	rVV2	2824906	7251865	7.84%	0.744%
52	18.640	2679	2689	2700	rVB4	9290035	34759088	37.57%	3.566%
53	18.728	2700	2704	2710	rBV	947198	1484416	1.60%	0.152%
54	18.822	2716	2720	2724	rVV3	851575	1703460	1.84%	0.175%
55	18.893	2724	2732	2738	rVB	6230231	11680031	12.62%	1.198%
56	18.999	2745	2750	2756	rVB3	1510532	2362502	2.55%	0.242%
57	19.116	2766	2770	2774	rVB3	1811718	2489017	2.69%	0.255%
58	19.169	2774	2779	2782	rBV	1351526	1821467	1.97%	0.187%
59	19.204	2782	2785	2788	rVB	1034043	1216868	1.32%	0.125%
60	19.287	2793	2799	2804	rBV	2248994	4604077	4.98%	0.472%
61	19.357	2808	2811	2819	rVB2	1385245	2916976	3.15%	0.299%
62	19.627	2838	2857	2860	rBV4	9550285	46662745	50.43%	4.788%
63	19.833	2886	2892	2900	rBV2	2785532	4728598	5.11%	0.485%
64	19.992	2901	2919	2924	rBV3	10796594	53695991	58.04%	5.509%
65	20.121	2936	2941	2945	rVV	3485984	5186772	5.61%	0.532%
66	20.262	2956	2965	2969	rBV2	3303438	8534404	9.22%	0.876%
67	20.309	2969	2973	2978	rVB	1973552	2726077	2.95%	0.280%
68	20.444	2979	2996	3002	rVB2	6371803	18446936	19.94%	1.893%
69	20.544	3002	3013	3016	rBV	6914801	16772736	18.13%	1.721%
70	20.597	3016	3022	3024	rVV2	3129309	7341984	7.94%	0.753%
71	20.620	3024	3026	3029	rVV	2785873	3523923	3.81%	0.362%

LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG121815\
Data File : BG020264.D
Acq On : 18 Dec 2015 3:21
Operator : UM/SJ
Sample : G4767-22RE
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N44RE

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-BG121415.M
Title : SVOA CALIBRATION

72	20.650	3029	3031	3036	rVV3	1344945	1880229	2.03%	0.193%
73	20.720	3038	3043	3047	rVV	1939837	3471750	3.75%	0.356%
74	20.767	3047	3051	3059	rVB2	2197425	3929623	4.25%	0.403%
75	20.932	3074	3079	3082	rBV	1644222	2329468	2.52%	0.239%
76	21.002	3086	3091	3093	rVV5	797190	1250085	1.35%	0.128%
77	21.037	3093	3097	3106	rVB4	1423212	3221662	3.48%	0.331%
78	21.126	3106	3112	3117	rBV2	1165312	2676739	2.89%	0.275%
79	21.366	3145	3153	3156	rBV	2775443	5500413	5.95%	0.564%
80	21.408	3156	3160	3165	rVB	2851211	5080077	5.49%	0.521%
81	21.466	3165	3170	3174	rBV2	3139234	5011492	5.42%	0.514%
82	21.643	3191	3200	3211	rBV	847221	2303966	2.49%	0.236%
83	21.813	3211	3229	3235	rVV2	7124644	28695347	31.01%	2.944%
84	21.895	3235	3243	3249	rVB	7113040	18830513	20.35%	1.932%
85	22.025	3258	3265	3270	rBV	2841539	5666265	6.12%	0.581%
86	22.213	3290	3297	3303	rVV	1907704	3636648	3.93%	0.373%
87	22.448	3332	3337	3342	rVV	589881	1216818	1.32%	0.125%
88	22.530	3343	3351	3357	rVV	1419852	3796792	4.10%	0.390%
89	22.600	3359	3363	3372	rVV	756299	1507309	1.63%	0.155%
90	22.753	3384	3389	3394	rVV4	793575	1777015	1.92%	0.182%
91	22.818	3394	3400	3405	rVV2	874115	2459858	2.66%	0.252%
92	22.871	3405	3409	3415	rVV2	1138827	2096404	2.27%	0.215%
93	22.941	3415	3421	3435	rVB3	826563	1804073	1.95%	0.185%
94	24.081	3596	3615	3621	rBV	2887788	12925074	13.97%	1.326%
95	24.304	3645	3653	3661	rVB	797139	1953592	2.11%	0.200%
96	24.804	3725	3738	3751	rVV	1448283	4988669	5.39%	0.512%
97	24.974	3752	3767	3774	rVV	2408877	8068974	8.72%	0.828%
98	25.180	3793	3802	3812	rVB2	793280	2522013	2.73%	0.259%
99	28.858	4407	4428	4444	rVB3	565072	3845615	4.16%	0.395%
100	30.027	4611	4627	4640	rVB	321166	1379428	1.49%	0.142%

Sum of corrected areas: 974610345

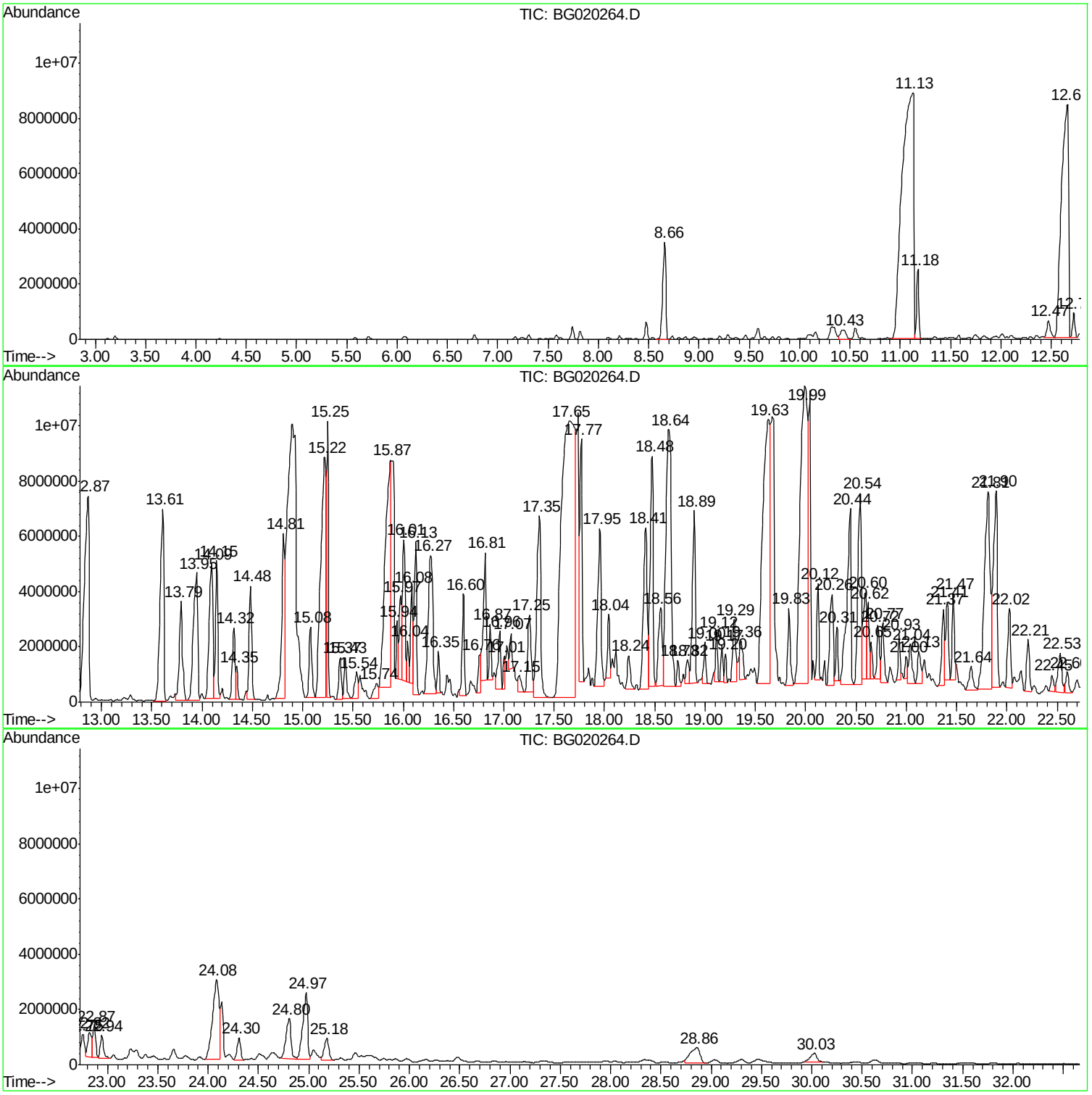
LSC Report - Integrated Chromatogram

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG121815\
Data File : BG020264.D
Acq On : 18 Dec 2015 3:21
Operator : UM/SJ
Sample : G4767-22RE
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N44RE

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG121415.M
Quant Title : SVOA CALIBRATION

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



Data Path : Z:\HPCHEM1\BNA_G\DATA\BG121815\
Data File : BG020264.D
Acq On : 18 Dec 2015 3:21
Operator : UM/SJ
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Instrument : BNA_G
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Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG121415.M
Quant Title : SVOA CALIBRATION

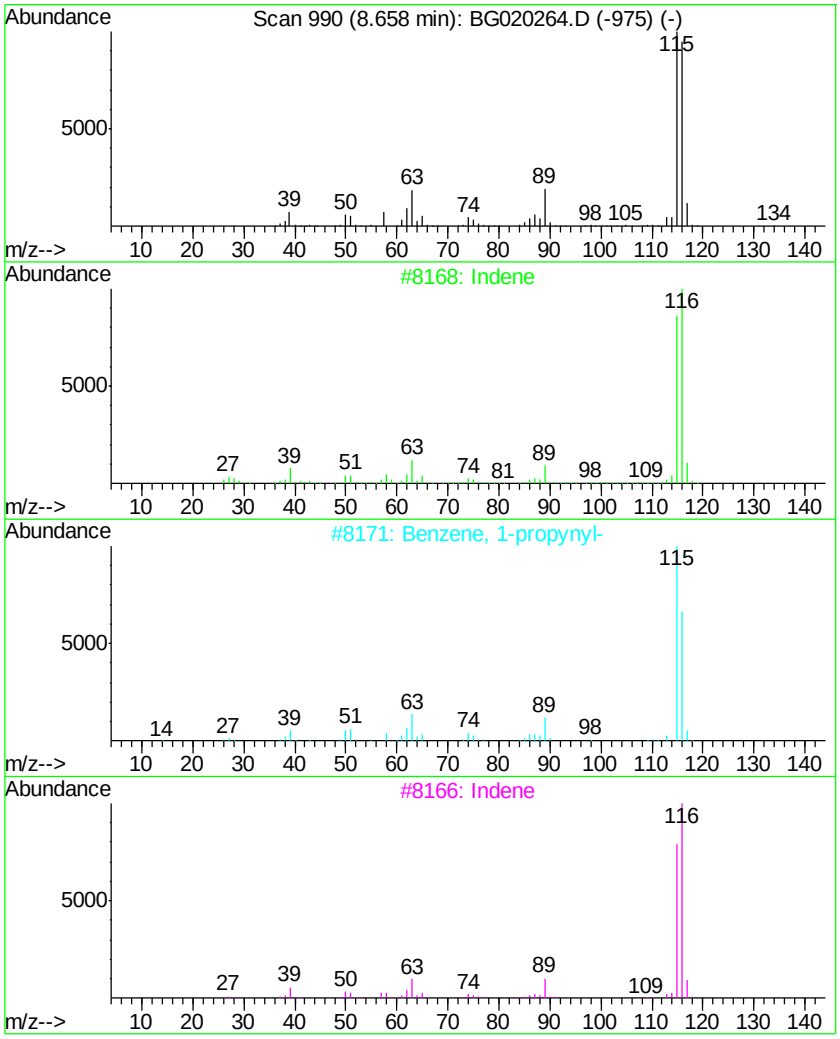
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

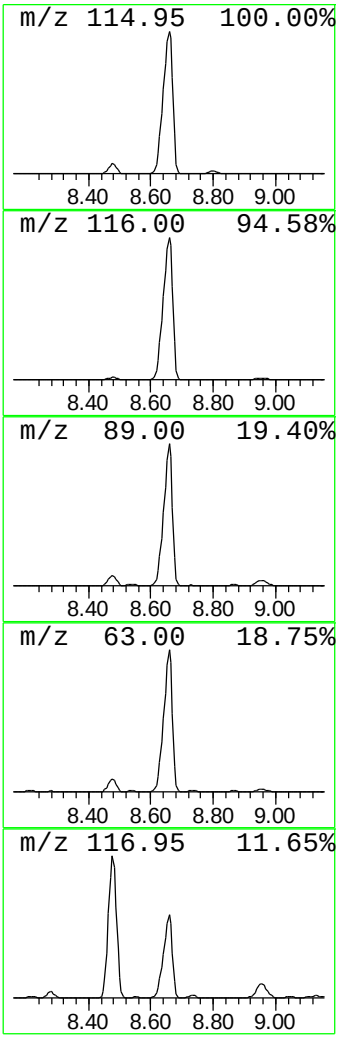
****

Peak Number 1 Indene Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.66	20.00 ng/ul	7409750	1,4-Dichlorobenzene-d4	8.09

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Indene	116	C9H8	000095-13-6	96
2	Benzene, 1-propynyl-	116	C9H8	000673-32-5	95
3	Indene	116	C9H8	000095-13-6	91
4	Benzene, 1-propynyl-	116	C9H8	000673-32-5	91
5	Indene	116	C9H8	000095-13-6	91





Data Path : Z:\HPCHEM1\BNA_G\DATA\BG121815\
Data File : BG020264.D
Acq On : 18 Dec 2015 3:21
Operator : UM/SJ
Sample : G4767-22RE
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N44RE

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG121415.M
Quant Title : SVOA CALIBRATION

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

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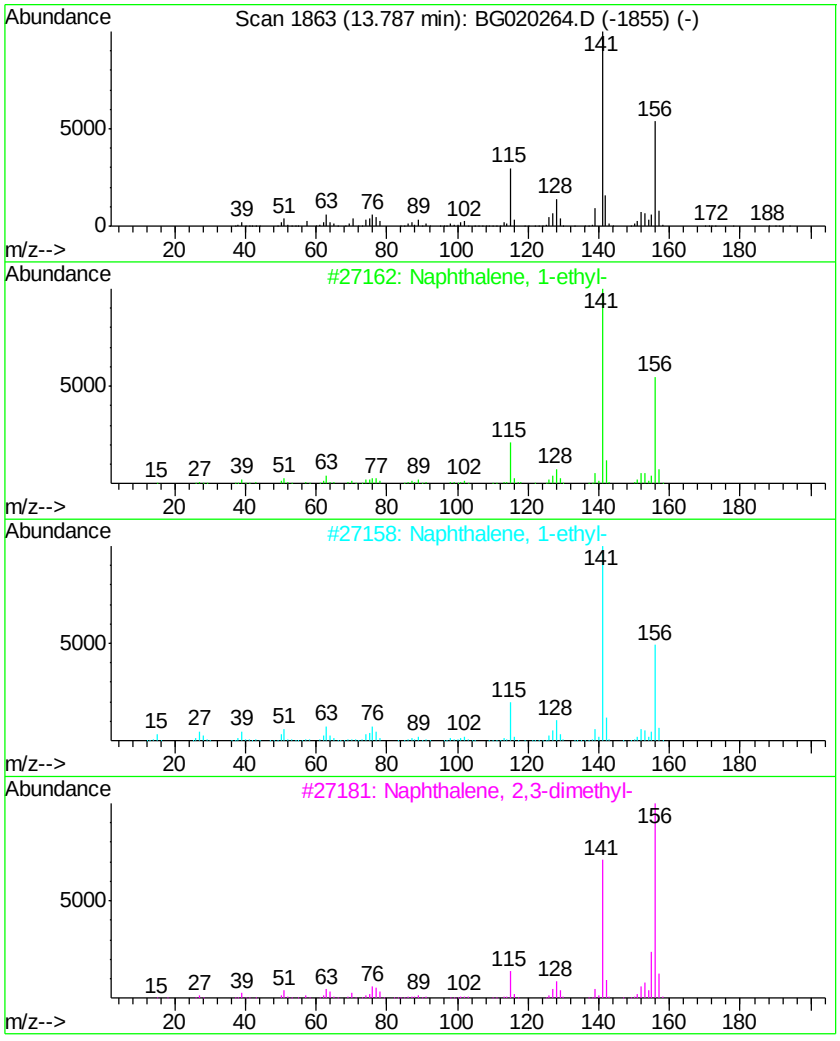
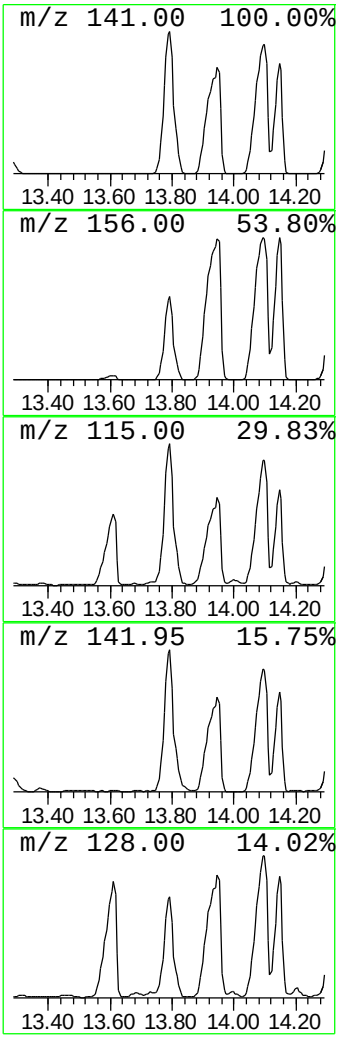
Peak Number 2 Naphthalene, 1-ethyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.79	12.73 ng/ul	8023760	Acenaphthene-d10	14.80

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1-ethyl-	156	C12H12	001127-76-0	97
2	Naphthalene, 1-ethyl-	156	C12H12	001127-76-0	94
3	Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	94
4	Naphthalene, 2-ethyl-	156	C12H12	000939-27-5	93
5	Naphthalene, 1,4-dimethyl-	156	C12H12	000571-58-4	91





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Sample : G4767-22RE
Misc :
ALS Vial : 17 Sample Multiplier: 1

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ClientSampleId : D9N44RE

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Quant Title : SVOA CALIBRATION

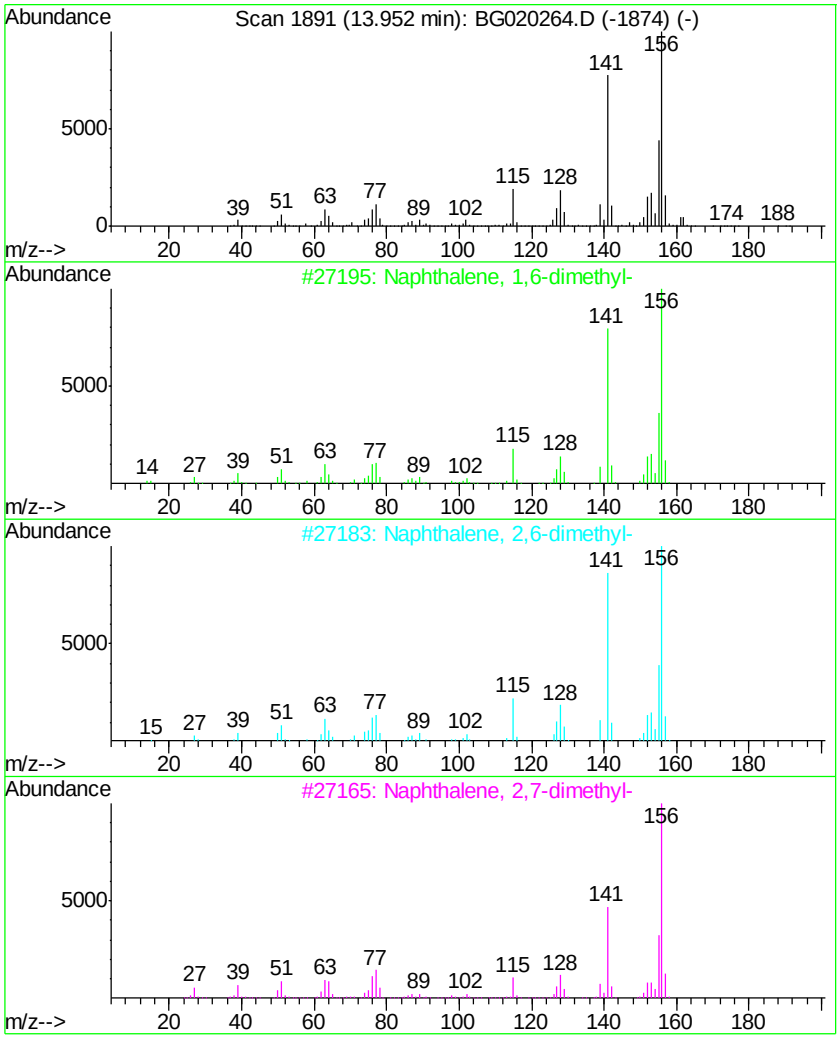
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

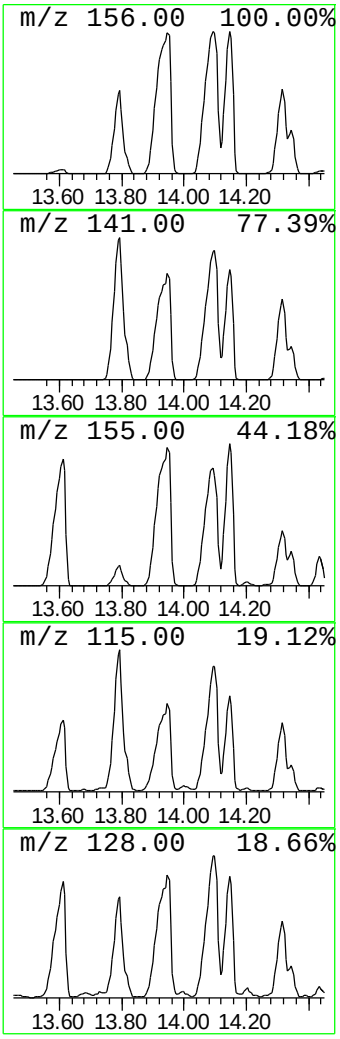
****

Peak Number 3 Naphthalene, 1,6-dimethyl- Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.95	22.13 ng/ul	13948800	Acenaphthene-d10	14.80

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	97
2	Naphthalene, 2,6-dimethyl-	156	C12H12	000581-42-0	96
3	Naphthalene, 2,7-dimethyl-	156	C12H12	000582-16-1	96
4	Naphthalene, 2,6-dimethyl-	156	C12H12	000581-42-0	96
5	Naphthalene, 1,5-dimethyl-	156	C12H12	000571-61-9	95





Data Path : Z:\HPCHEM1\BNA_G\DATA\BG121815\
Data File : BG020264.D
Acq On : 18 Dec 2015 3:21
Operator : UM/SJ
Sample : G4767-22RE
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N44RE

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG121415.M
Quant Title : SVOA CALIBRATION

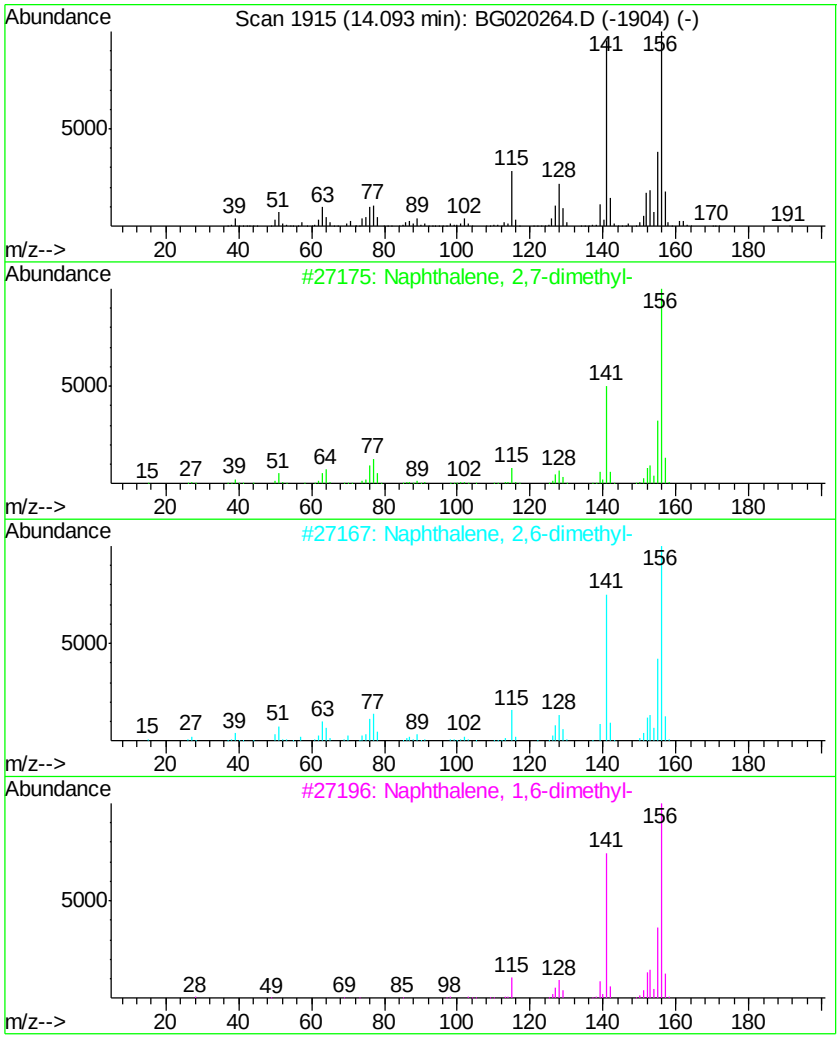
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

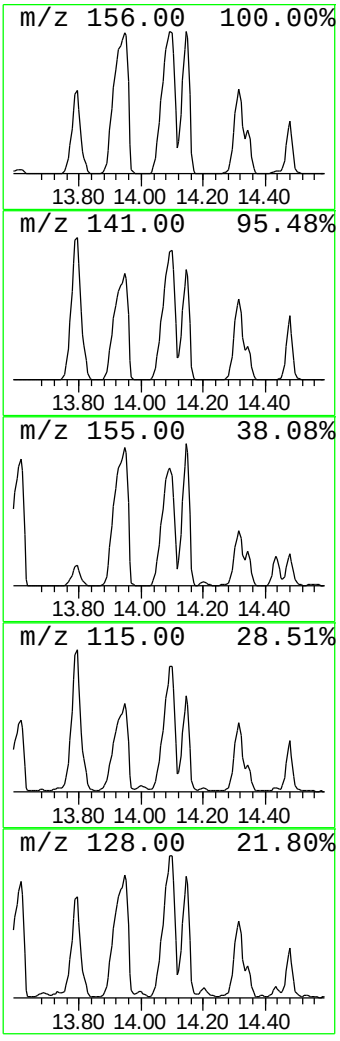
****

Peak Number 4 Naphthalene, 2,7-dimethyl- Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.09	20.28 ng/ul	12783200	Acenaphthene-d10	14.80

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2,7-dimethyl-	156	C12H12	000582-16-1	97
2	Naphthalene, 2,6-dimethyl-	156	C12H12	000581-42-0	97
3	Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	96
4	Naphthalene, 2,7-dimethyl-	156	C12H12	000582-16-1	96
5	Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	96





Data Path : Z:\HPCHEM1\BNA_G\DATA\BG121815\
Data File : BG020264.D
Acq On : 18 Dec 2015 3:21
Operator : UM/SJ
Sample : G4767-22RE
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N44RE

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG121415.M
Quant Title : SVOA CALIBRATION

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

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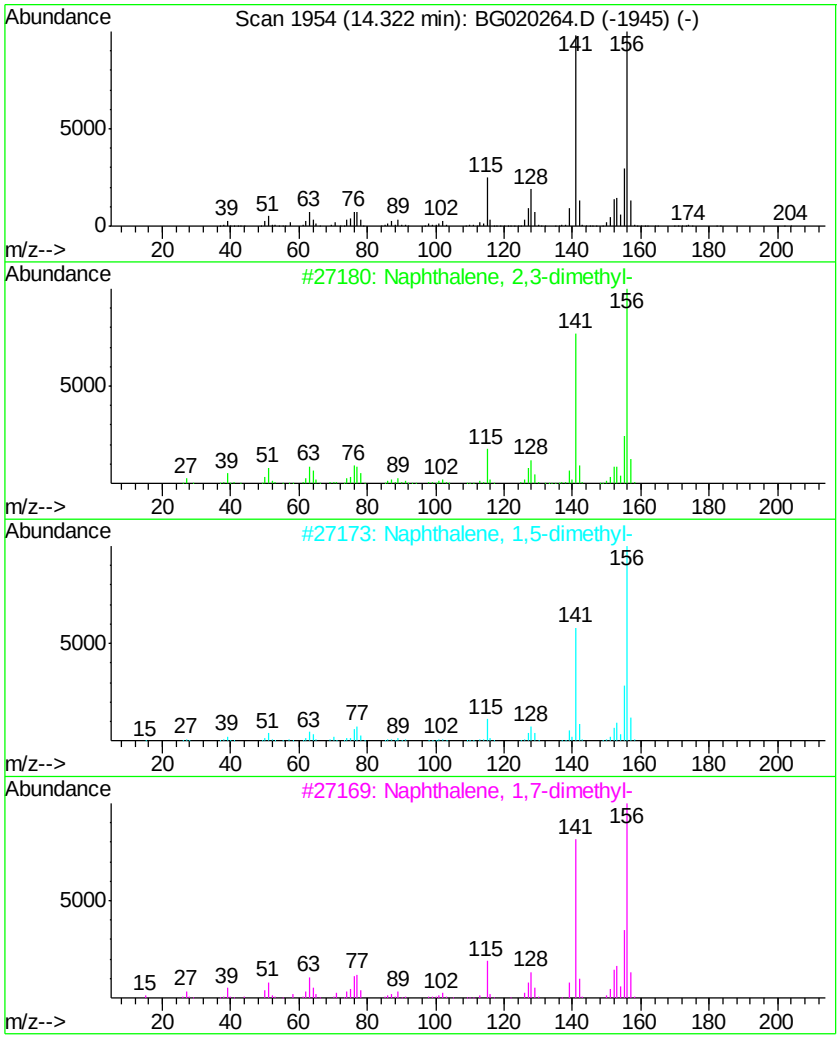
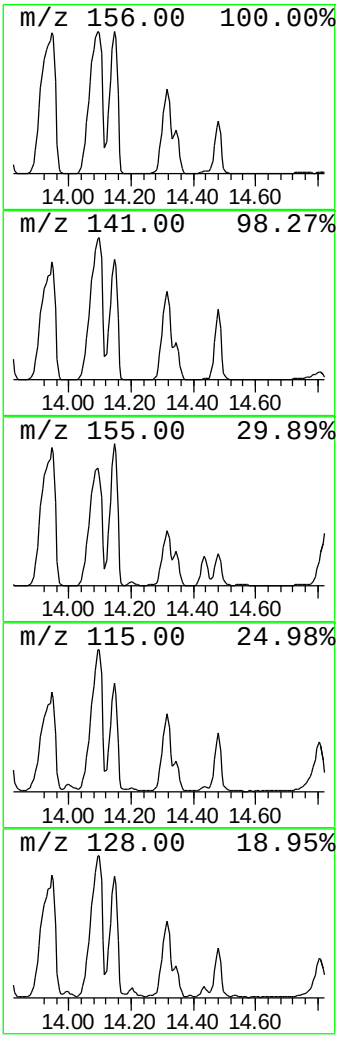
Peak Number 5 Naphthalene, 2,3-dimethyl- Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.32	7.63 ng/ul	4807840	Acenaphthene-d10	14.80

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	97
2	Naphthalene, 1,5-dimethyl-	156	C12H12	000571-61-9	97
3	Naphthalene, 1,7-dimethyl-	156	C12H12	000575-37-1	97
4	Naphthalene, 1,3-dimethyl-	156	C12H12	000575-41-7	97
5	Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	97





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Acq On : 18 Dec 2015 3:21
Operator : UM/SJ
Sample : G4767-22RE
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N44RE

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Quant Title : SVOA CALIBRATION

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

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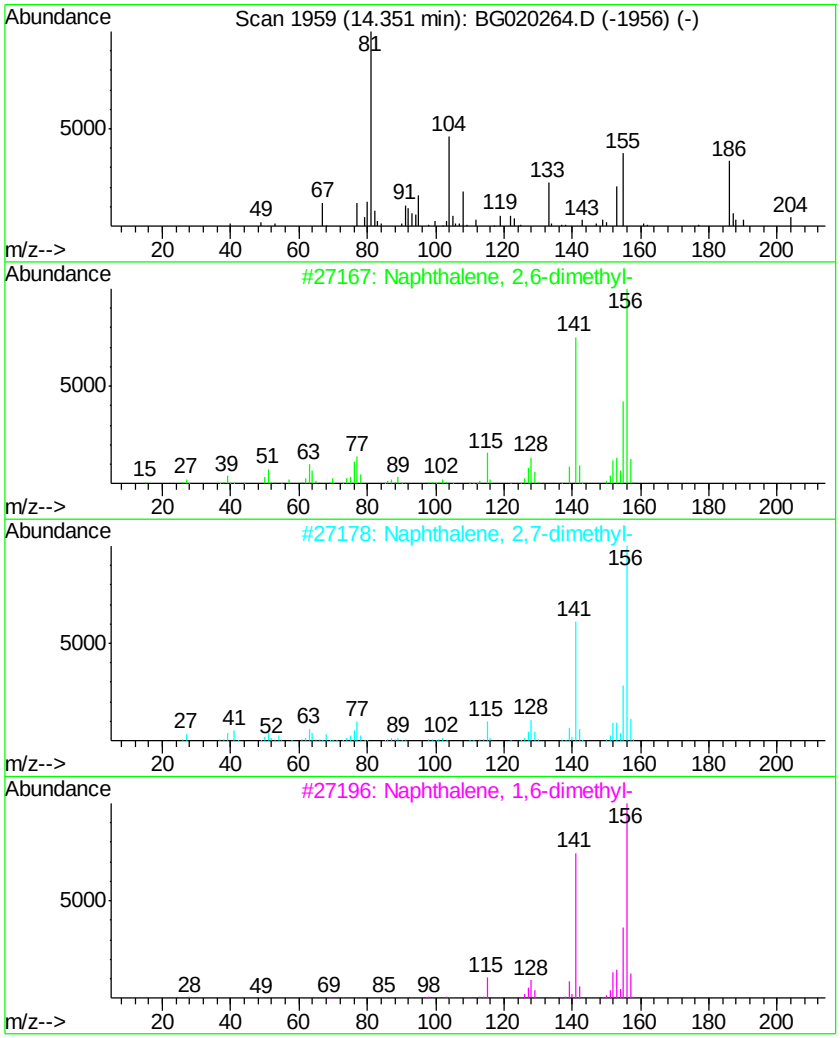
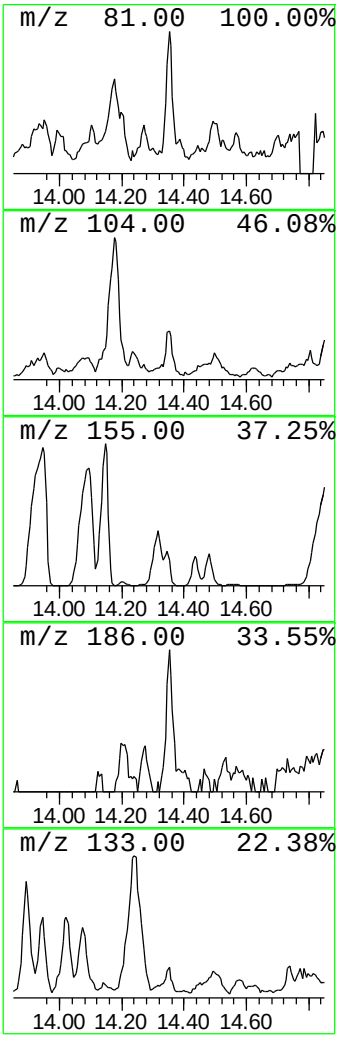
Peak Number 6 Naphthalene, 2,6-dimethyl- Concentration Rank 37

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.35	2.14 ng/ul	1351680	Acenaphthene-d10	14.80

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2,6-dimethyl-	156	C12H12	000581-42-0	96
2	Naphthalene, 2,7-dimethyl-	156	C12H12	000582-16-1	95
3	Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	94
4	Naphthalene, 1,7-dimethyl-	156	C12H12	000575-37-1	93
5	Naphthalene, 1,3-dimethyl-	156	C12H12	000575-41-7	89





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Sample : G4767-22RE
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N44RE

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG121415.M
Quant Title : SVOA CALIBRATION

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

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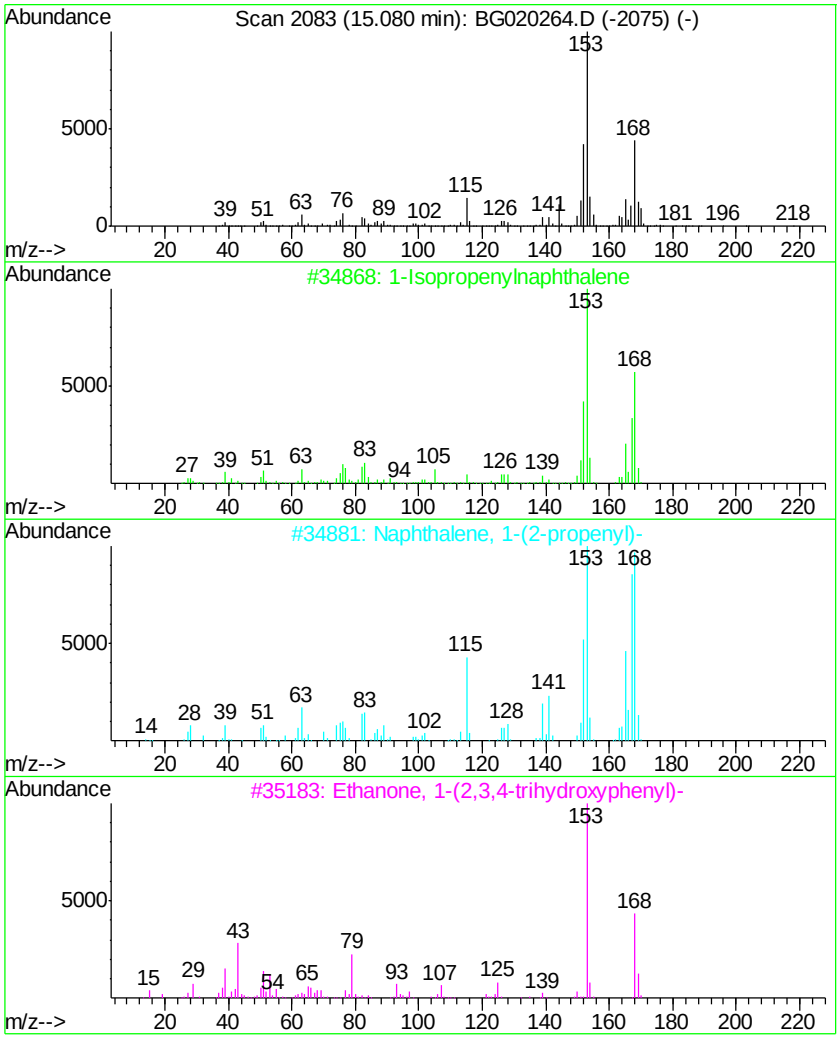
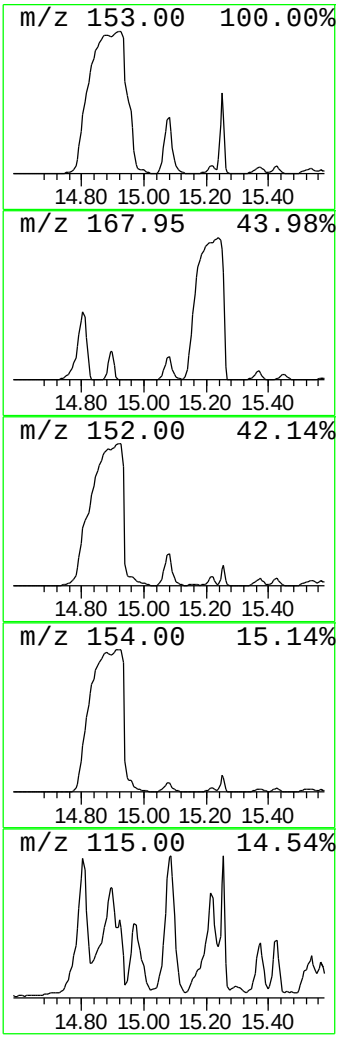
Peak Number 7 1-Isopropenylnaphthalene Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.08	7.75 ng/ul	4881930	Acenaphthene-d10	14.80

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Isopropenylnaphthalene	168	C13H12	001855-47-6	72
2	Naphthalene, 1-(2-propenyl)-	168	C13H12	002489-86-3	50
3	Ethanone, 1-(2,3,4-trihydroxyphe...	168	C8H8O4	000528-21-2	47
4	2(1H)-Pyridinethione, 1,4,6-trim...	153	C8H11NS	019006-70-3	46
5	Ethanone, 1-(2,4,6-trihydroxyphe...	168	C8H8O4	000480-66-0	43





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ClientSampleId : D9N44RE

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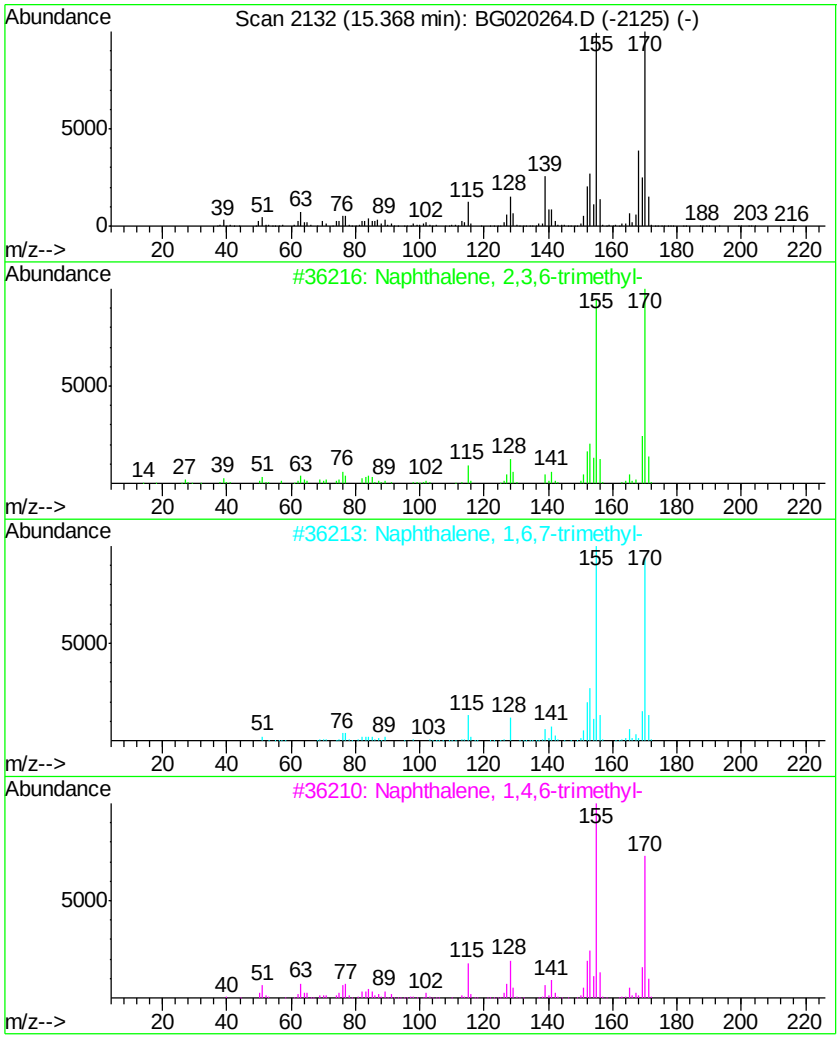
Quant Title : SVOA CALIBRATION

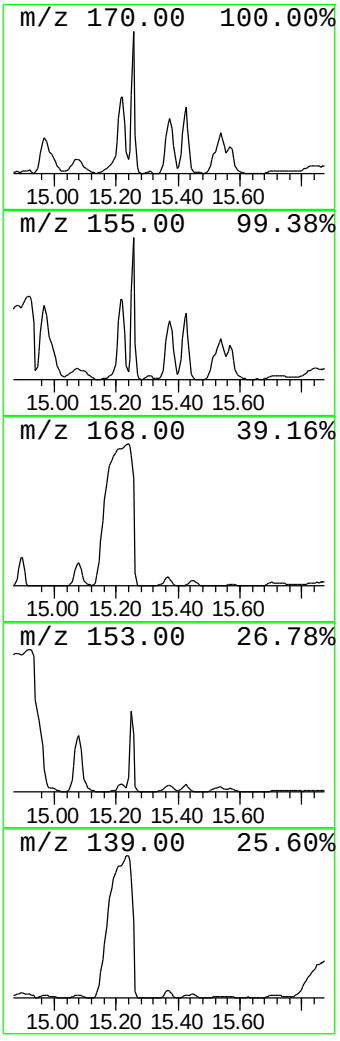
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 8 Naphthalene, 2,3,6-trimethyl- Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.37	4.19 ng/ul	2641650	Acenaphthene-d10	14.80

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2,3,6-trimethyl-	170	C13H14	000829-26-5	98
2	Naphthalene, 1,6,7-trimethyl-	170	C13H14	002245-38-7	96
3	Naphthalene, 1,4,6-trimethyl-	170	C13H14	002131-42-2	95
4	Naphthalene, 1,4,5-trimethyl-	170	C13H14	002131-41-1	95
5	Naphthalene, 1,6,7-trimethyl-	170	C13H14	002245-38-7	94





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Operator : UM/SJ
Sample : G4767-22RE
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N44RE

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG121415.M
Quant Title : SVOA CALIBRATION

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

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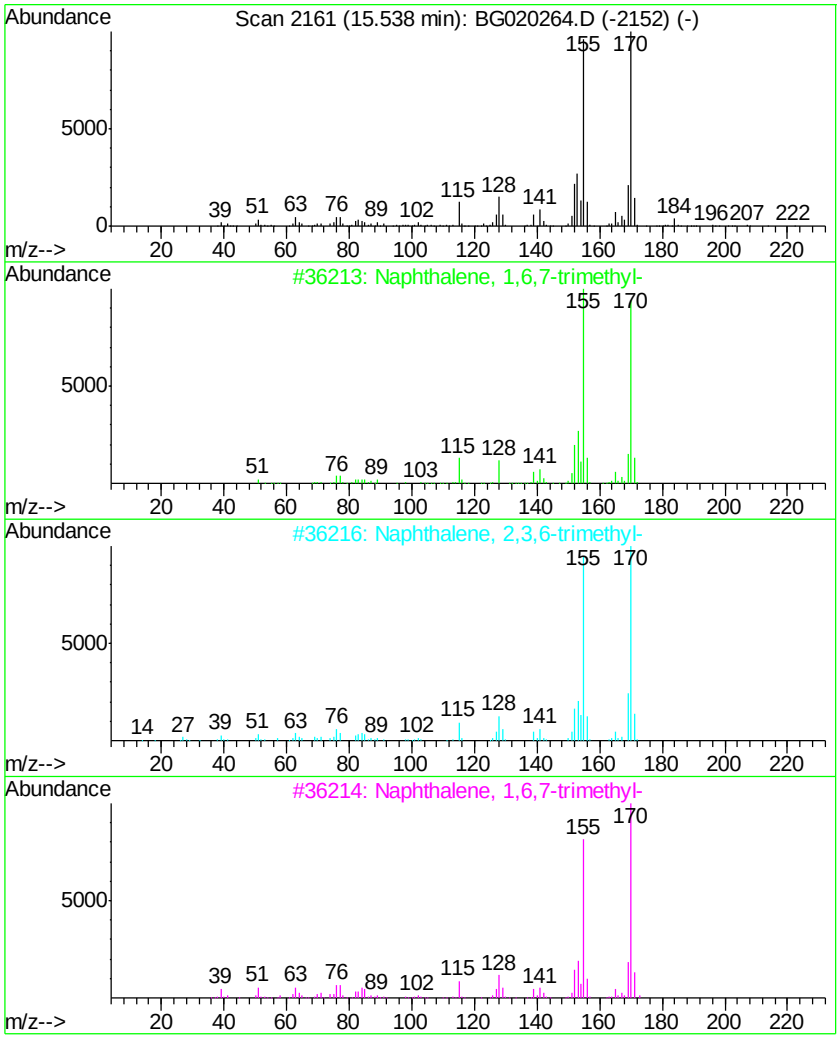
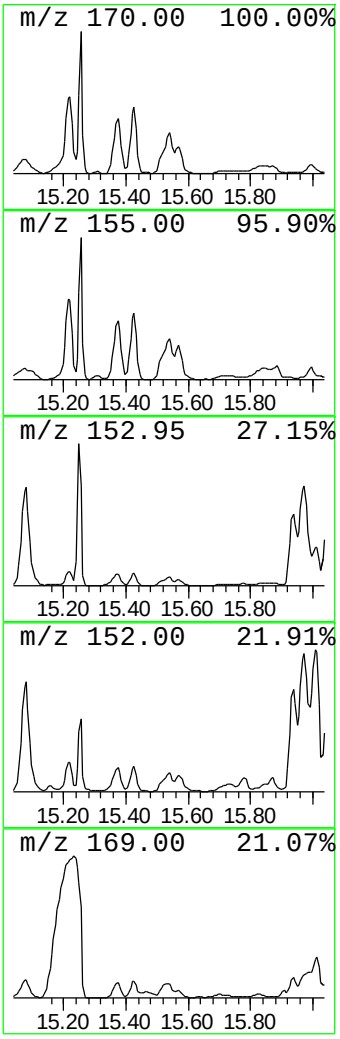
Peak Number 10 Naphthalene, 1,6,7-trimethyl- Concentration Rank 27

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.54	3.48 ng/ul	2194000	Acenaphthene-d10	14.80

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1,6,7-trimethyl-	170	C13H14	002245-38-7	98
2	Naphthalene, 2,3,6-trimethyl-	170	C13H14	000829-26-5	96
3	Naphthalene, 1,6,7-trimethyl-	170	C13H14	002245-38-7	96
4	Naphthalene, 1,4,5-trimethyl-	170	C13H14	002131-41-1	96
5	Naphthalene, 1,4,6-trimethyl-	170	C13H14	002131-42-2	96





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Misc :
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Instrument : BNA_G
ClientSampleId : D9N44RE

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Quant Title : SVOA CALIBRATION

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

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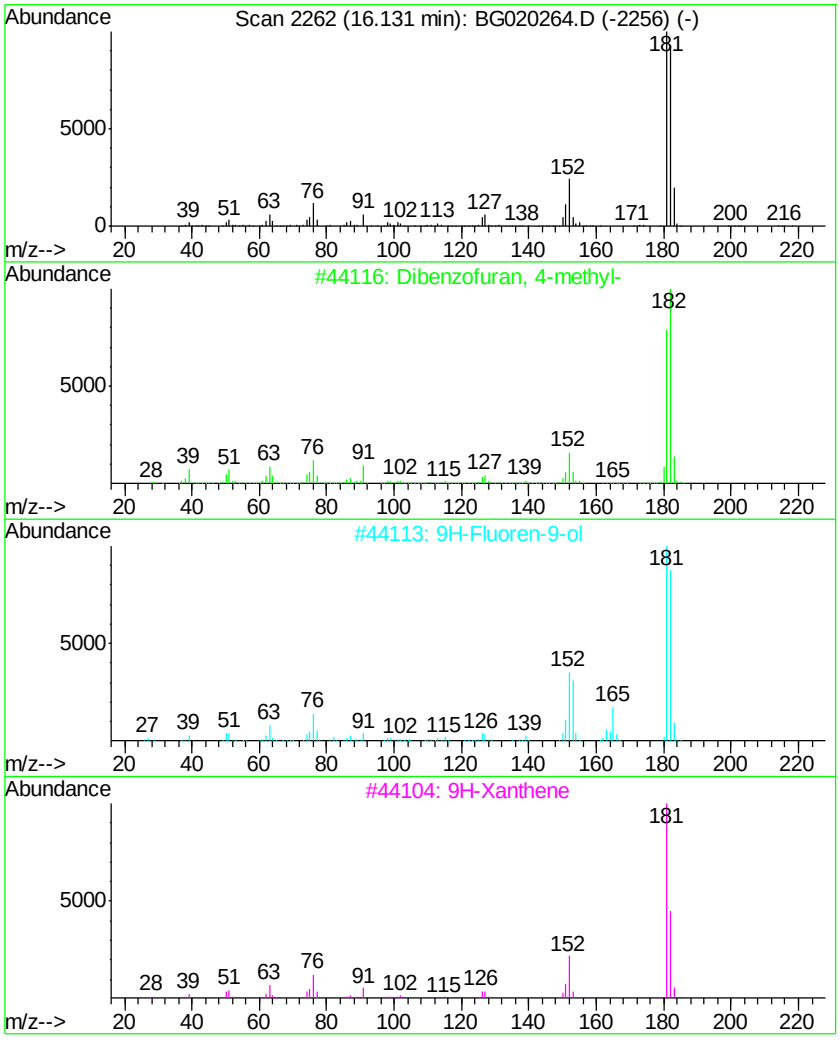
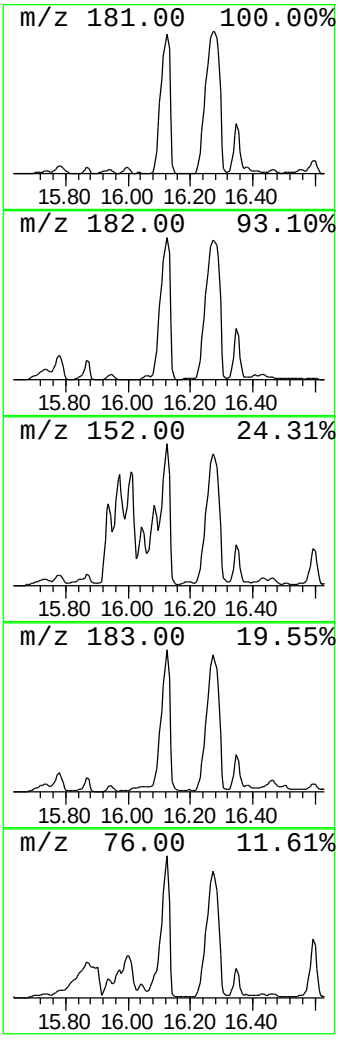
Peak Number 12 Dibenzofuran, 4-methyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.13	15.56 ng/ul	9805140	Acenaphthene-d10	14.80

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dibenzofuran, 4-methyl-	182	C13H10O	007320-53-8	83
2	9H-Fluoren-9-ol	182	C13H10O	001689-64-1	80
3	9H-Xanthene	182	C13H10O	000092-83-1	78
4	9H-Fluoren-9-ol	182	C13H10O	001689-64-1	72
5	9H-Fluoren-9-ol	182	C13H10O	001689-64-1	72





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Acq On : 18 Dec 2015 3:21
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Sample : G4767-22RE
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N44RE

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Quant Title : SVOA CALIBRATION

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

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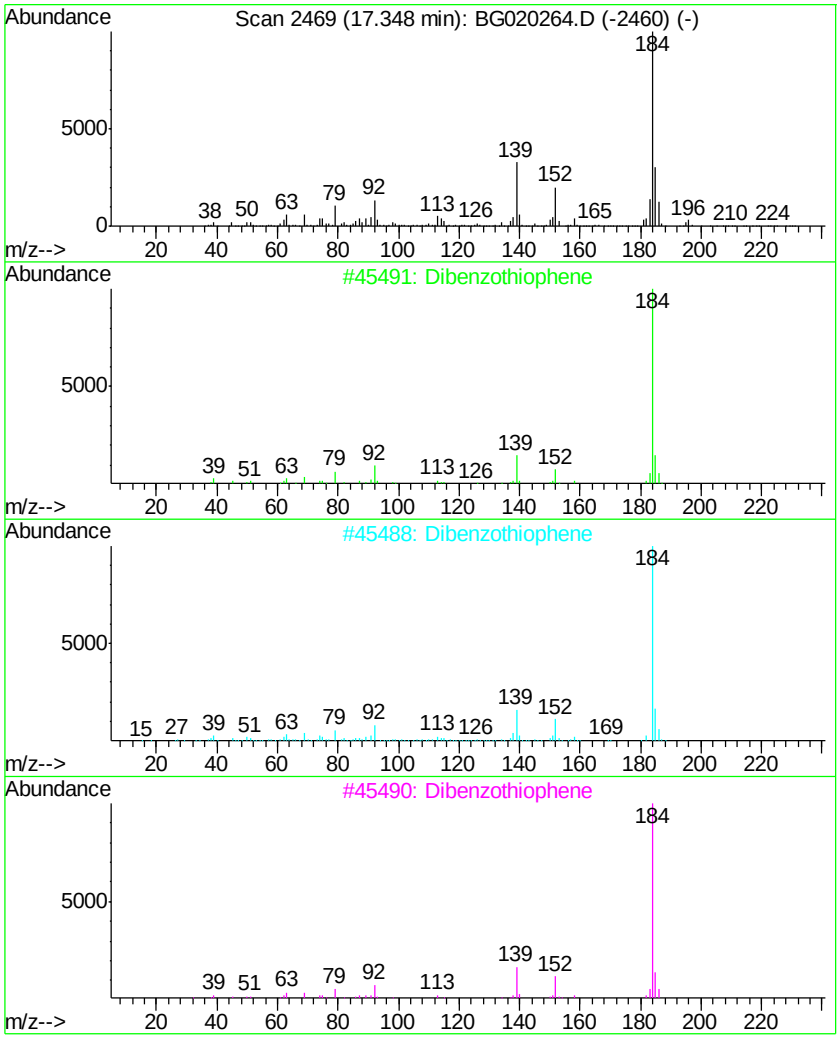
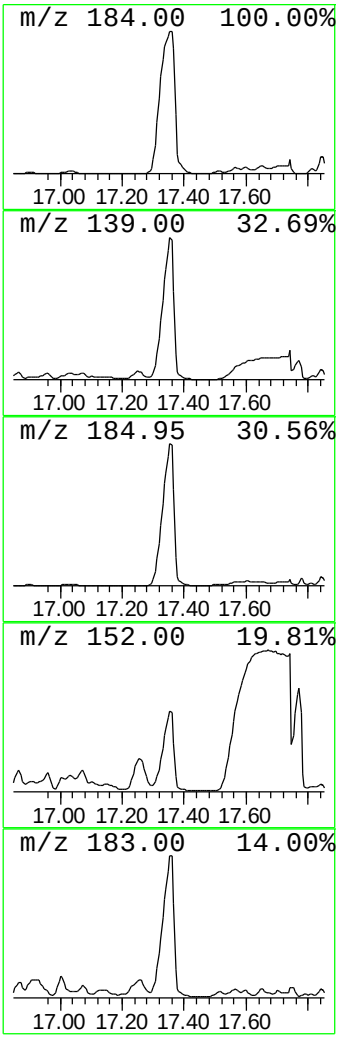
Peak Number 14 Dibenzothiophene Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.35	3.98 ng/ul	18396900	Phenanthrene-d10	17.56

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	Azuleno(2,1-b)thiophene	184	C12H8S	000248-13-5	87
5	Dibenzothiophene	184	C12H8S	000132-65-0	81





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Sample : G4767-22RE
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N44RE

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Quant Title : SVOA CALIBRATION

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

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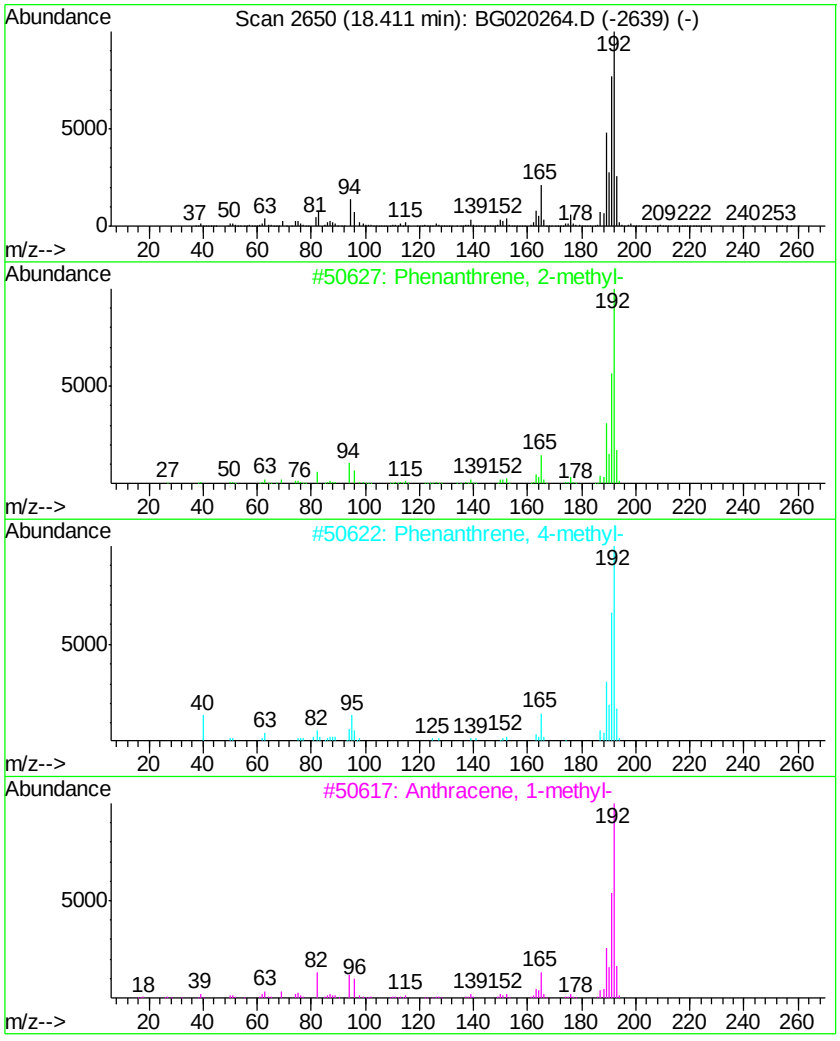
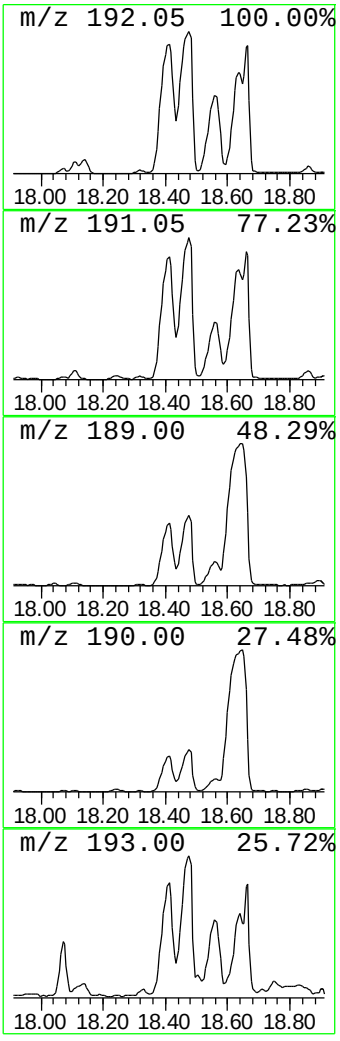
Peak Number 15 Phenanthrene, 2-methyl- Concentration Rank 28

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.41	3.39 ng/ul	15683600	Phenanthrene-d10	17.56

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	97
2	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	94
3	Anthracene, 1-methyl-	192	C15H12	000610-48-0	91
4	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	86
5	Anthracene, 1-methyl-	192	C15H12	000610-48-0	83





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Instrument : BNA_G
ClientSampleId : D9N44RE

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Quant Title : SVOA CALIBRATION

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

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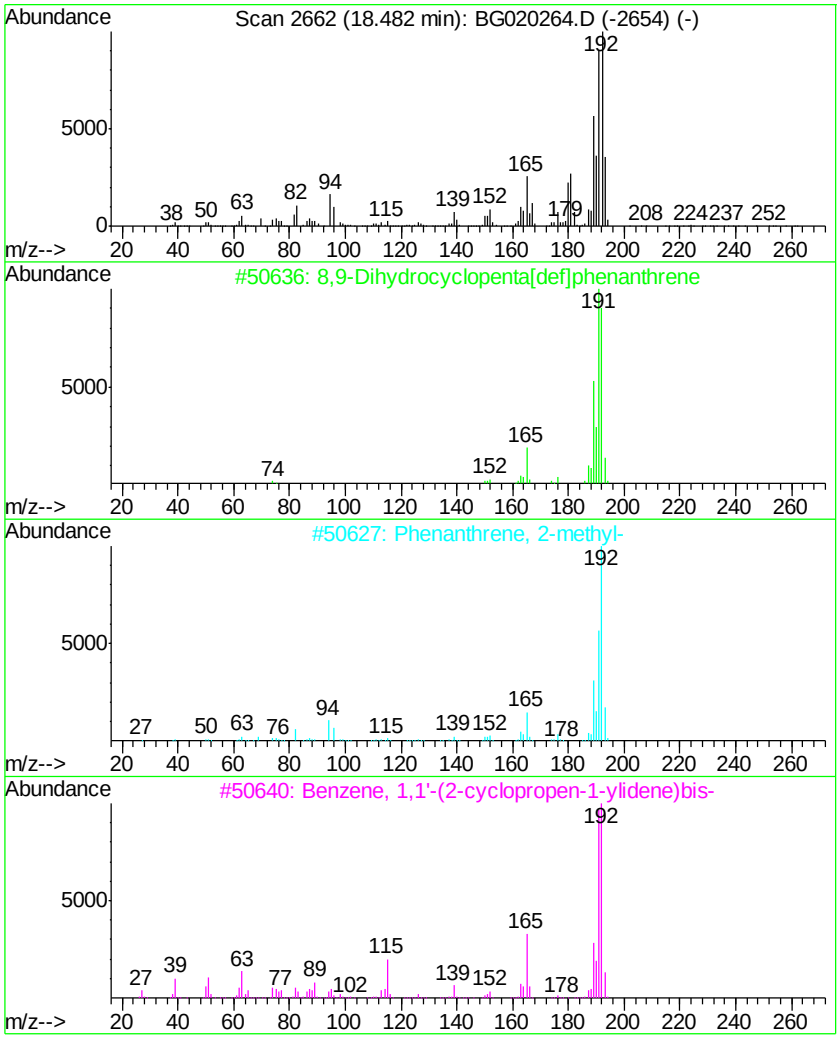
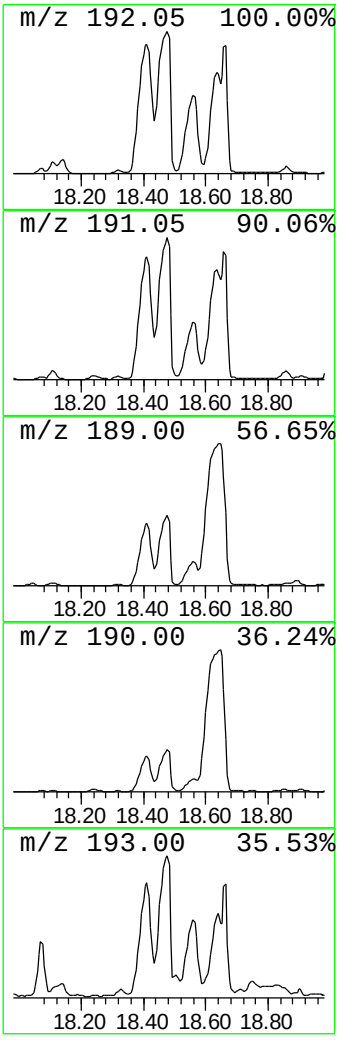
Peak Number 16 8,9-Dihydrocyclopenta[def]p... Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.48	3.85 ng/ul	17792700	Phenanthrene-d10	17.56

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	8,9-Dihydrocyclopenta[def]phenan...	192	C15H12	027410-55-5	64
2	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	50
3	Benzene, 1,1'-(2-cyclopropen-1-y...	192	C15H12	022825-21-4	49
4	Anthracene, 9-methyl-	192	C15H12	000779-02-2	46
5	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	46





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Quant Title : SVOA CALIBRATION

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

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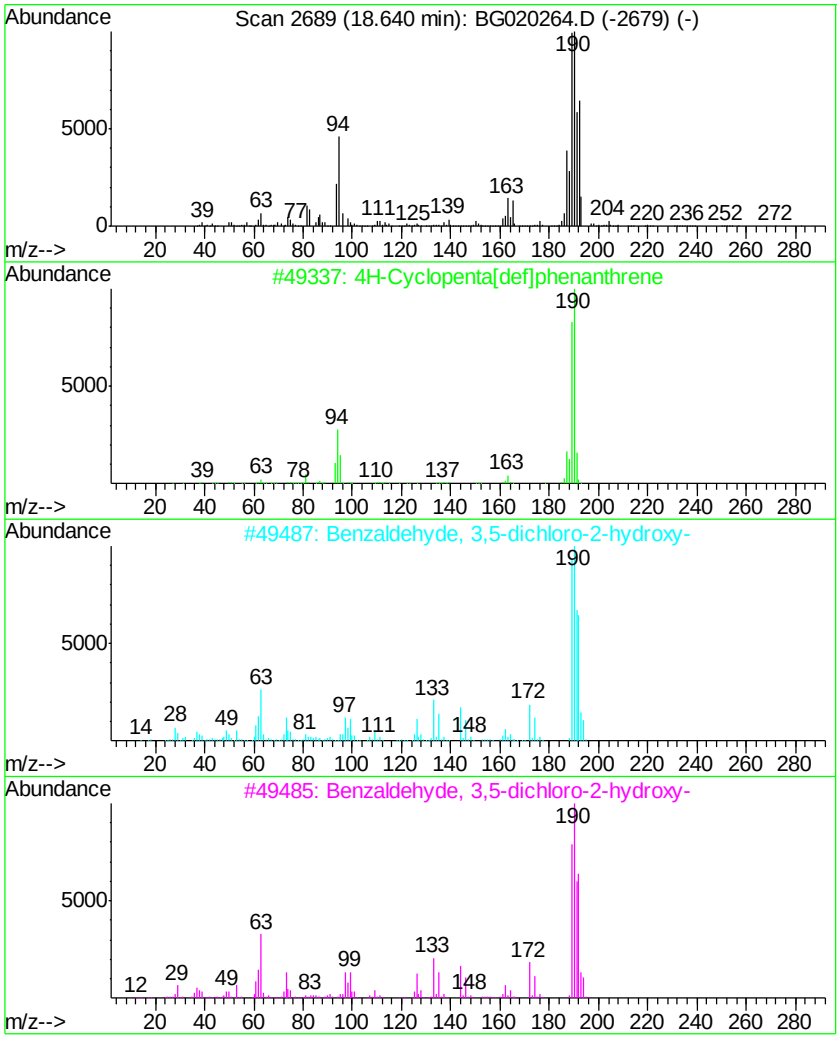
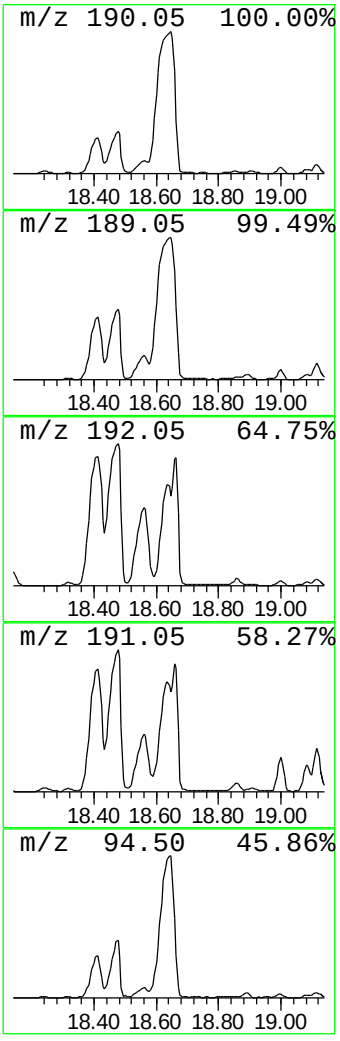
Peak Number 17 4H-Cyclopenta[def]phenanthrene Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.64	7.51 ng/ul	34759100	Phenanthrene-d10	17.56

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	52
2	Benzaldehyde, 3,5-dichloro-2-hyd...	190	C7H4Cl2O2	000090-60-8	50
3	Benzaldehyde, 3,5-dichloro-2-hyd...	190	C7H4Cl2O2	000090-60-8	50
4	6H-Cyclobuta[jk]phenanthrene	190	C15H10	083469-43-6	47
5	Anthracene, 1-methyl-	192	C15H12	000610-48-0	25





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Quant Title : SVOA CALIBRATION

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

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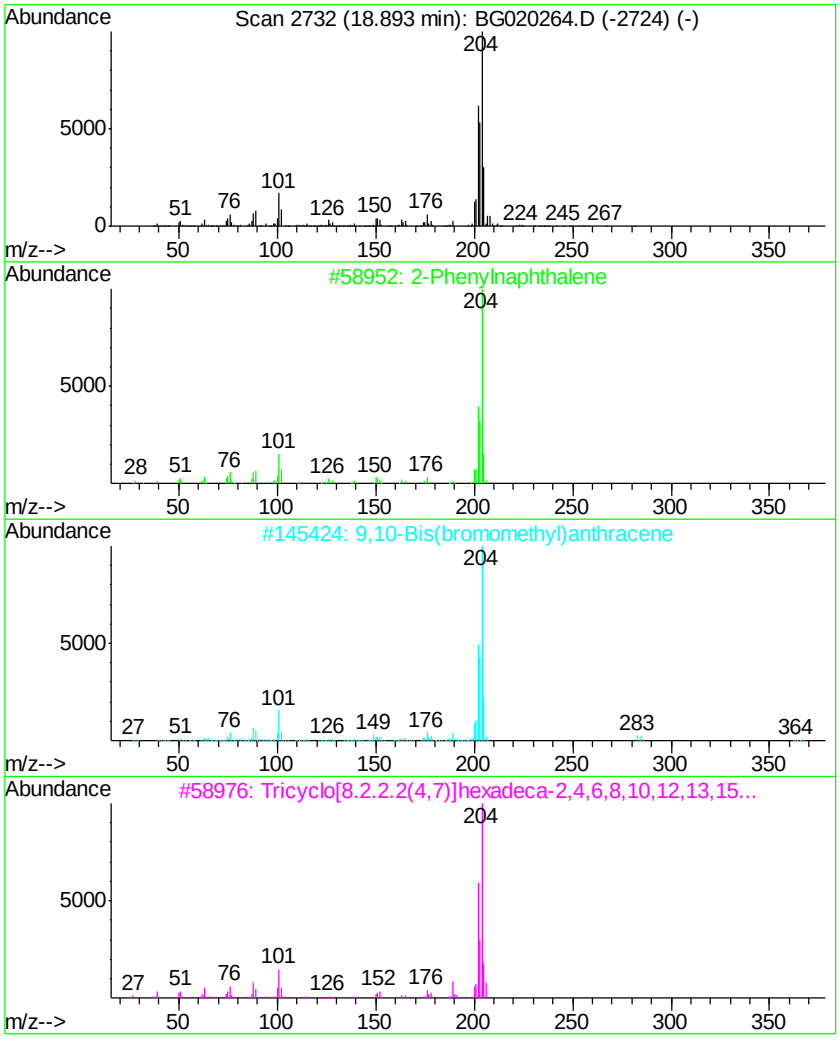
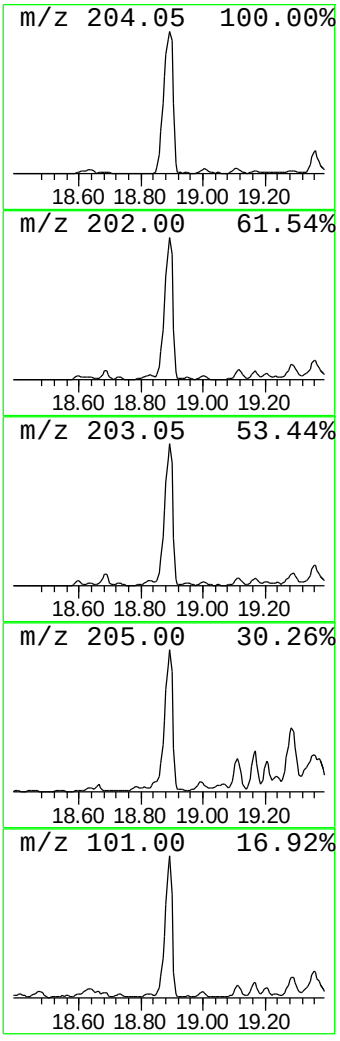
Peak Number 18 2-Phenylnaphthalene Concentration Rank 33

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.89	2.52 ng/ul	11680000	Phenanthrene-d10	17.56

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Phenylnaphthalene	204	C16H12	035465-71-5	91
2	9,10-Bis(bromomethyl)anthracene	362	C16H12Br2	034373-96-1	90
3	Tricyclo[8.2.2.2(4,7)]hexadeca-2...	204	C16H12	006572-60-7	55
4	Naphthalene, 1-phenyl-	204	C16H12	000605-02-7	52
5	Acephenanthrylene, 4,5-dihydro-	204	C16H12	006232-48-0	52





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Quant Title : SVOA CALIBRATION

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

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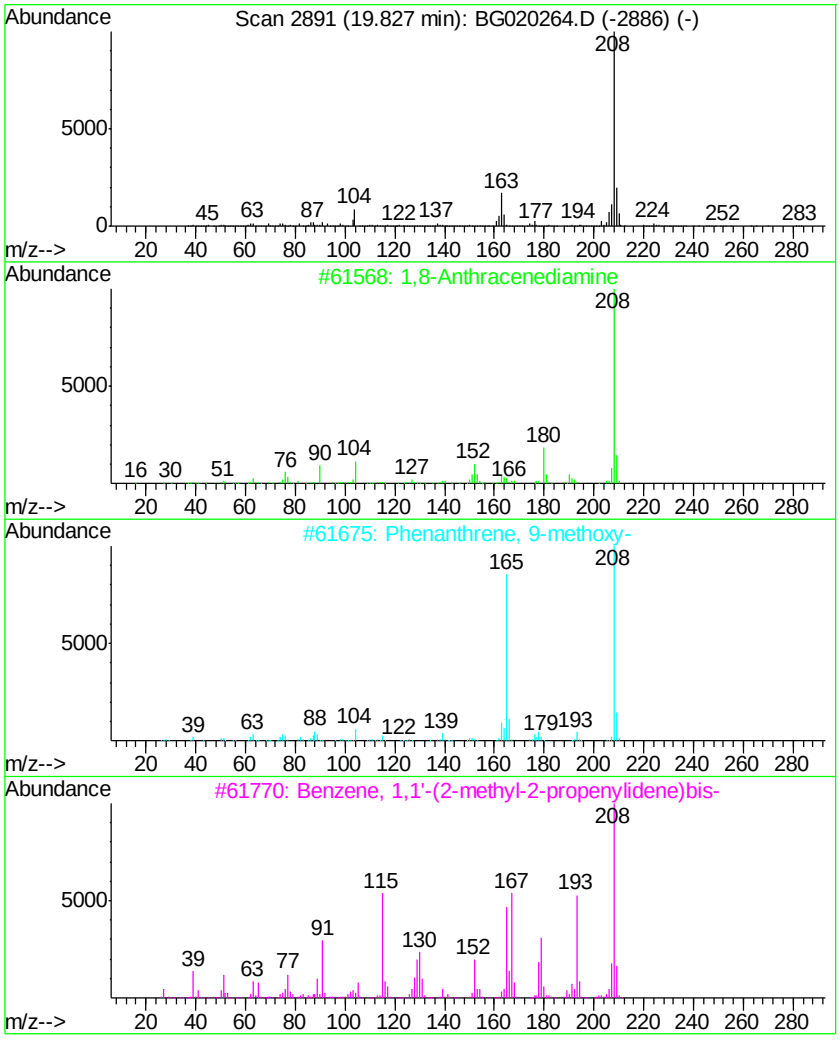
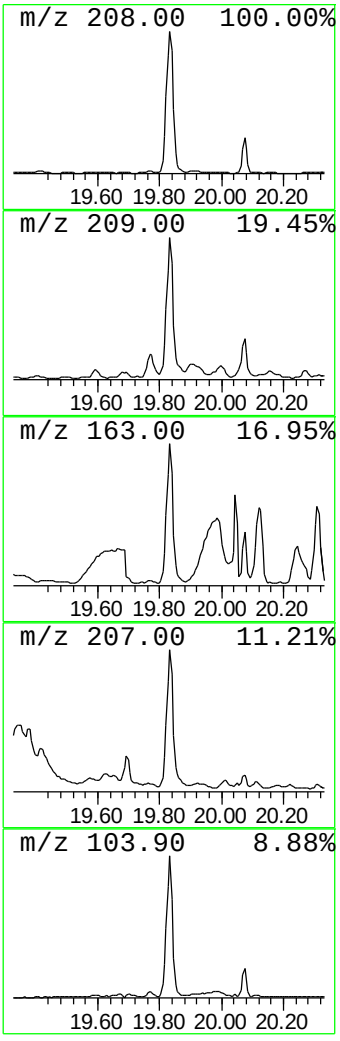
Peak Number 19 1,8-Anthracenediamine Concentration Rank 29

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.83	3.30 ng/ul	4728600	Chrysene-d12	21.83

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,8-Anthracenediamine	208	C14H12N2	139312-39-3	64
2	Phenanthrene, 9-methoxy-	208	C15H12O	005085-74-5	64
3	Benzene, 1,1'-(2-methyl-2-propen...	208	C16H16	070813-56-8	59
4	Benzene, 1,1'-(1-butenylidene)bis-	208	C16H16	001726-14-3	58
5	1,10-Phenanthroline, 2,9-dimethyl-	208	C14H12N2	000484-11-7	53





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Operator : UM/SJ
Sample : G4767-22RE
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N44RE

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TIC Integration Parameters: LSCINT.P

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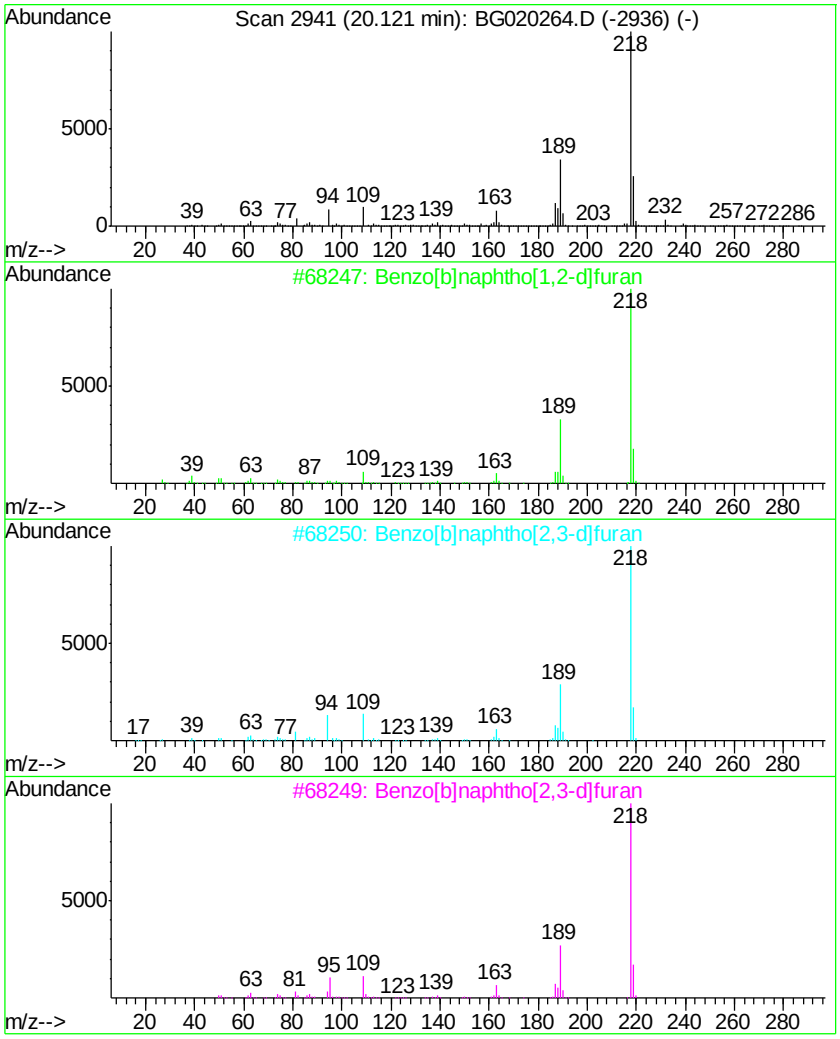
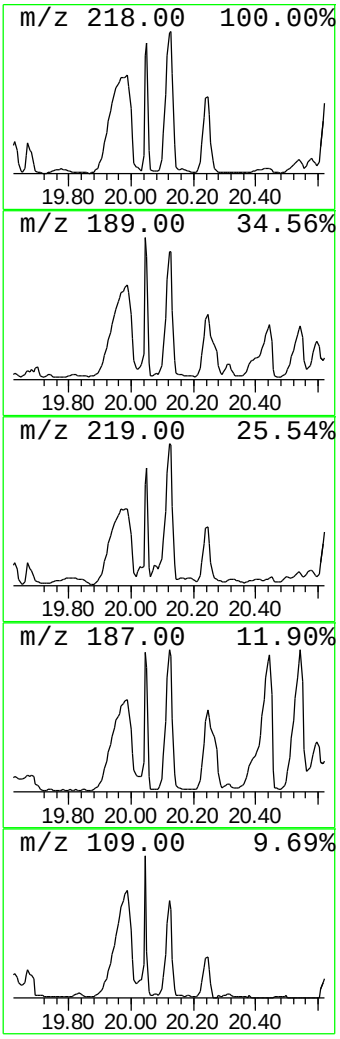
Peak Number 20 Benzo[b]naphtho[1,2-d]furan Concentration Rank 22

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.12	3.62 ng/ul	5186770	Chrysene-d12	21.83

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[b]naphtho[1,2-d]furan	218	C16H10O	000239-30-5	96
2	Benzo[b]naphtho[2,3-d]furan	218	C16H10O	000243-42-5	94
3	Benzo[b]naphtho[2,3-d]furan	218	C16H10O	000243-42-5	93
4	Benzo[kl]xanthene	218	C16H10O	000200-23-7	93
5	Benzo[b]naphtho[2,3-d]furan	218	C16H10O	000243-42-5	93





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Data File : BG020264.D
Acq On : 18 Dec 2015 3:21
Operator : UM/SJ
Sample : G4767-22RE
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N44RE

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG121415.M
Quant Title : SVOA CALIBRATION

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

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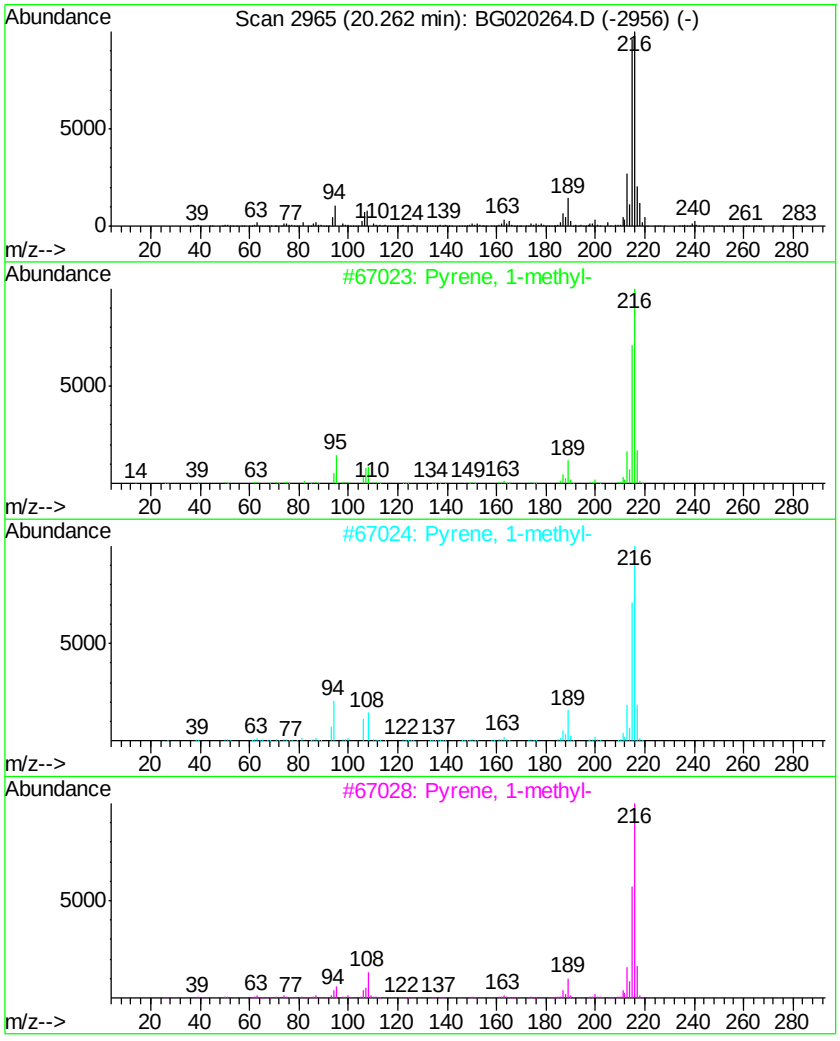
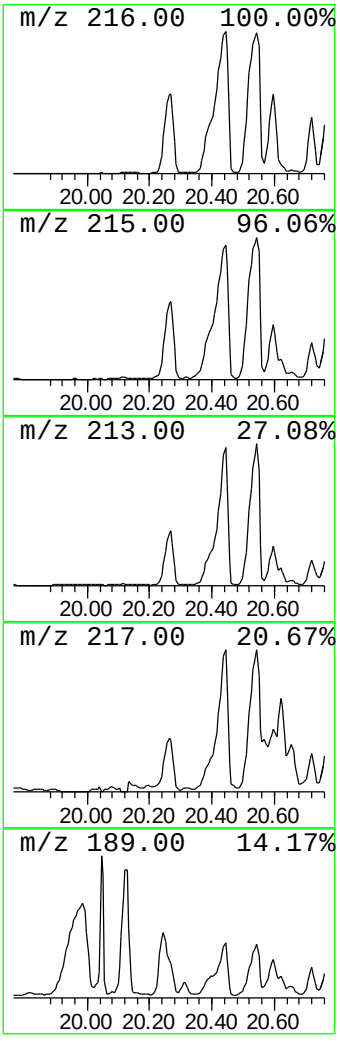
Peak Number 21 Pyrene, 1-methyl- Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.26	5.95 ng/ul	8534400	Chrysene-d12	21.83

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	94
3	Pyrene, 1-methyl-	216	C17H12	002381-21-7	92
4	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	91
5	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	87





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Sample : G4767-22RE
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N44RE

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG121415.M
Quant Title : SVOA CALIBRATION

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

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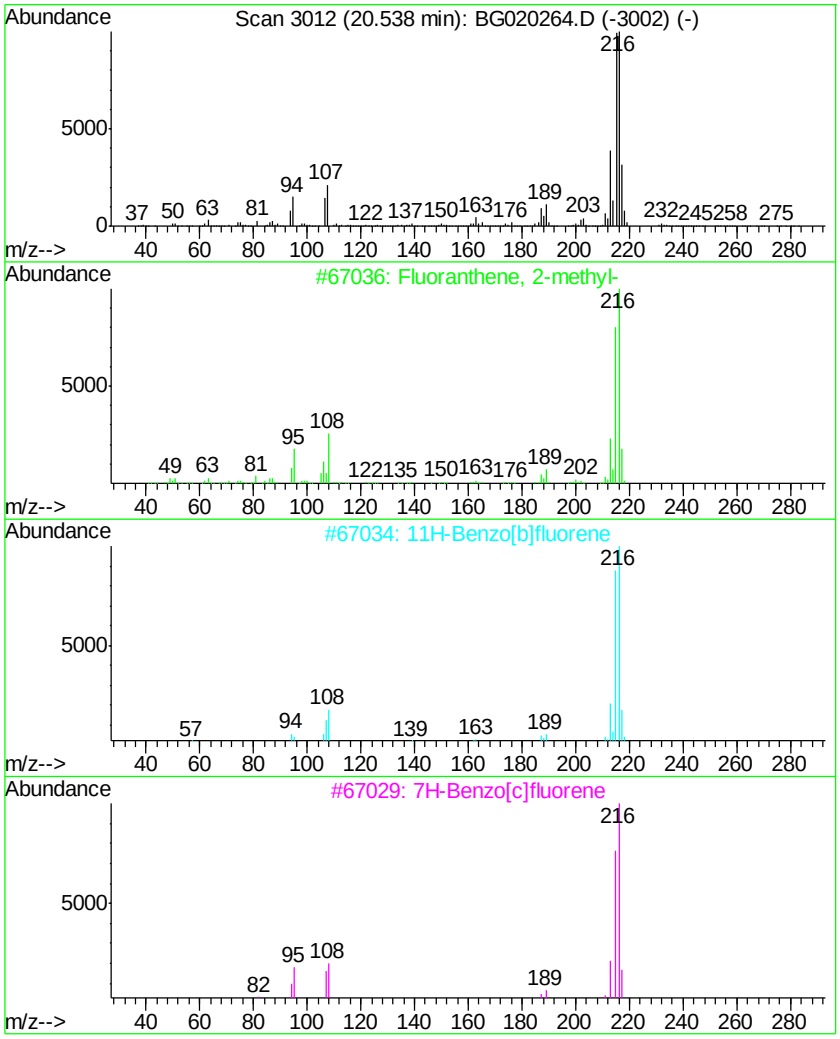
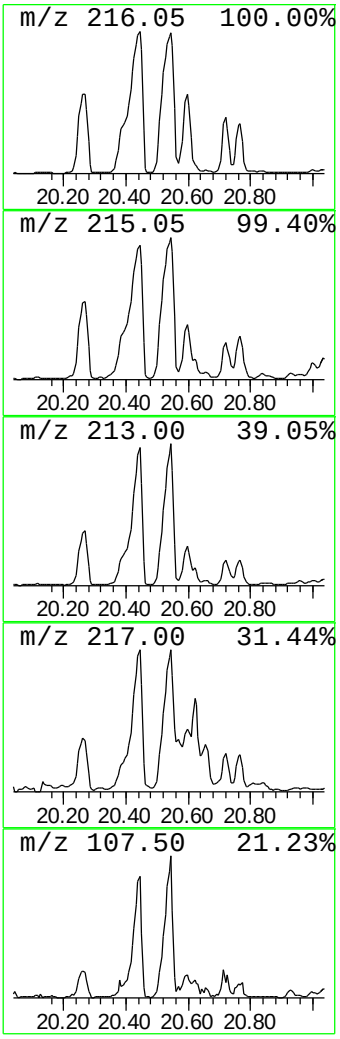
Peak Number 23 Fluoranthene, 2-methyl- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.54	11.69 ng/ul	16772700	Chrysene-d12	21.83

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	68
2	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	68
3	7H-Benzo[c]fluorene	216	C17H12	000205-12-9	64
4	Pyrene, 1-methyl-	216	C17H12	002381-21-7	64
5	Pyrene, 1-methyl-	216	C17H12	002381-21-7	62





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG121815\
Data File : BG020264.D
Acq On : 18 Dec 2015 3:21
Operator : UM/SJ
Sample : G4767-22RE
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N44RE

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG121415.M
Quant Title : SVOA CALIBRATION

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

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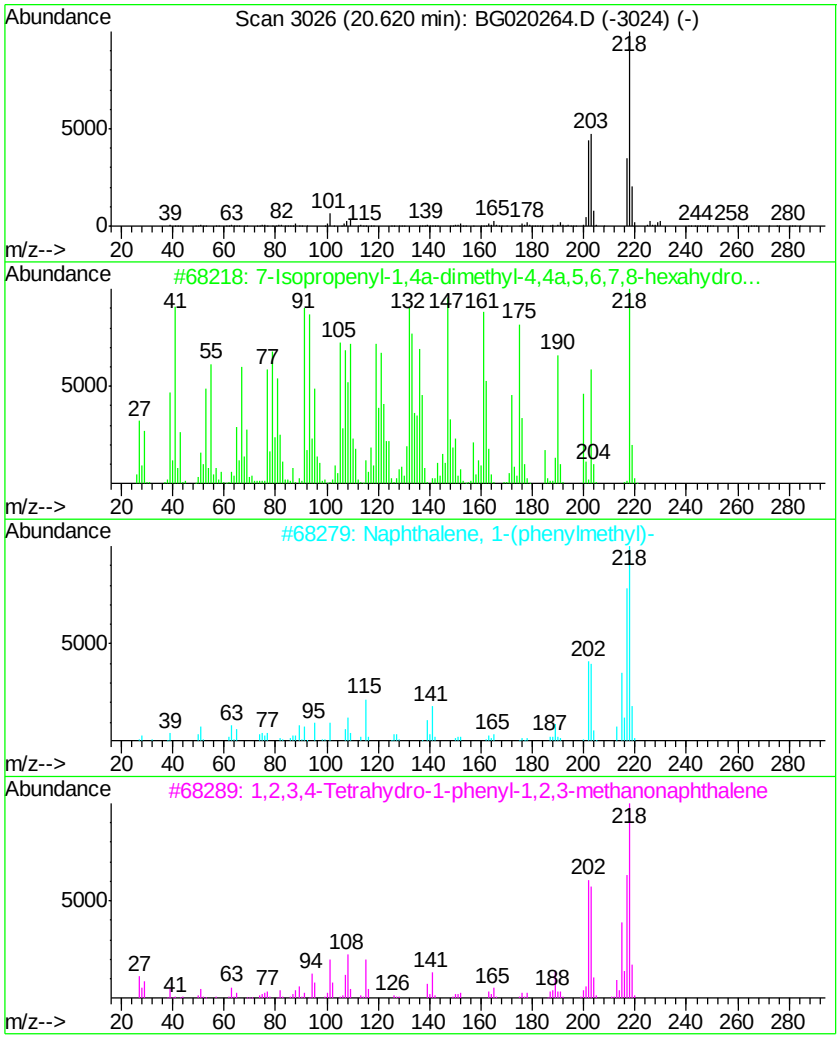
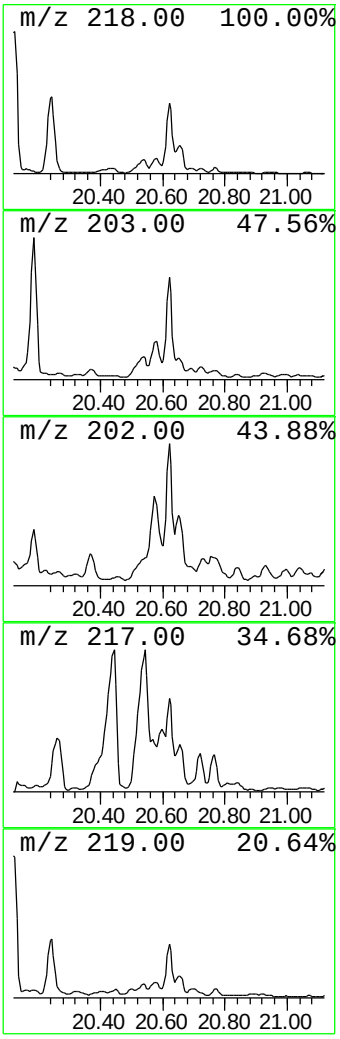
Peak Number 25 7-Isopropenyl-1,4a-dimethyl... Concentration Rank 34

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.62	2.46 ng/ul	3523920	Chrysene-d12	21.83

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	7-Isopropenyl-1,4a-dimethyl-4,4a...	218	C15H22O	000473-08-5	87
2	Naphthalene, 1-(phenylmethyl)-	218	C17H14	000611-45-0	80
3	1,2,3,4-Tetrahydro-1-phenyl-1,2,...	218	C17H14	138089-69-7	72
4	7b-Phenyl-2a,7b-dihydro-3H-cyclo...	218	C17H14	138089-70-0	72
5	9-Phenyl-5H-benzocycloheptene	218	C17H14	138089-71-1	56





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Operator : UM/SJ
Sample : G4767-22RE
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N44RE

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG121415.M
Quant Title : SVOA CALIBRATION

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

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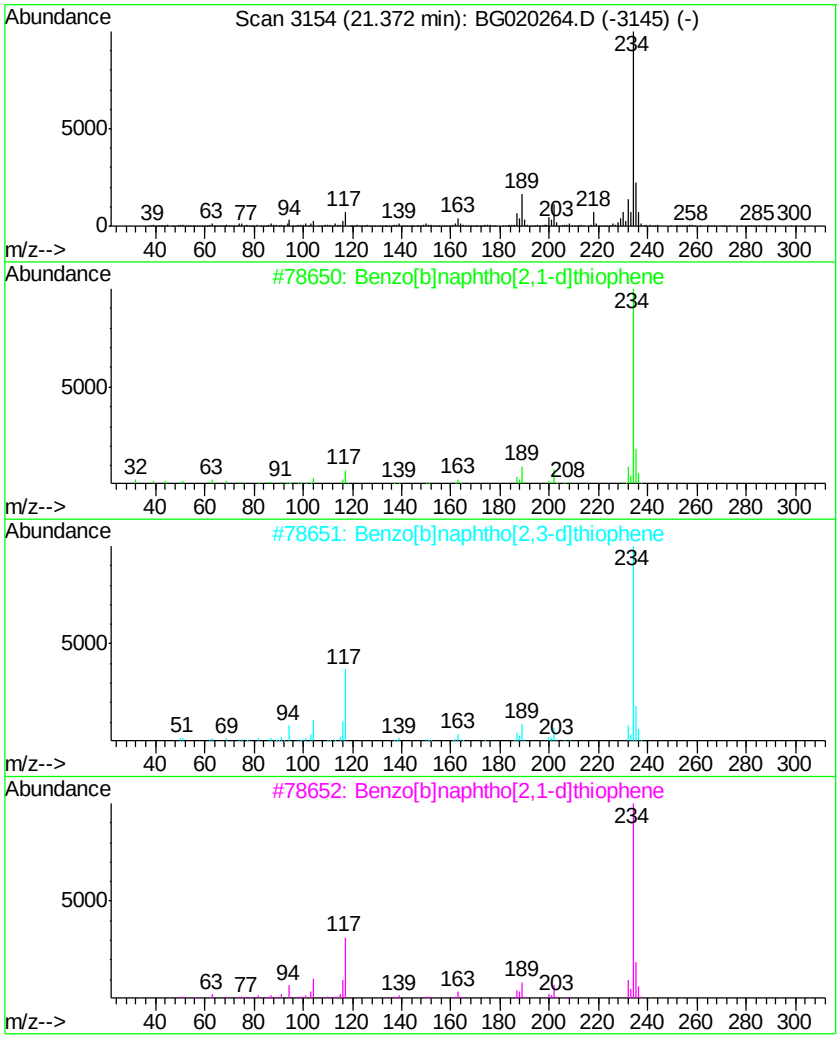
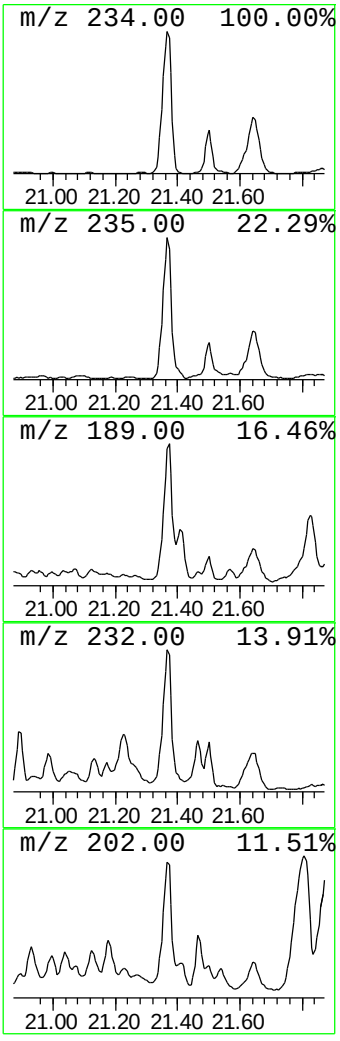
Peak Number 29 Benzo[b]naphtho[2,1-d]thiop... Concentration Rank 21

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.37	3.83 ng/ul	5500410	Chrysene-d12	21.83

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[b]naphtho[2,1-d]thiophene	234	C16H10S	000239-35-0	96
2	Benzo[b]naphtho[2,3-d]thiophene	234	C16H10S	000243-46-9	94
3	Benzo[b]naphtho[2,1-d]thiophene	234	C16H10S	000239-35-0	94
4	Benzo[b]naphtho[2,3-d]thiophene	234	C16H10S	000243-46-9	93
5	Benzo[b]naphtho[2,1-d]thiophene	234	C16H10S	000239-35-0	93





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Operator : UM/SJ
Sample : G4767-22RE
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N44RE

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG121415.M
Quant Title : SVOA CALIBRATION

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

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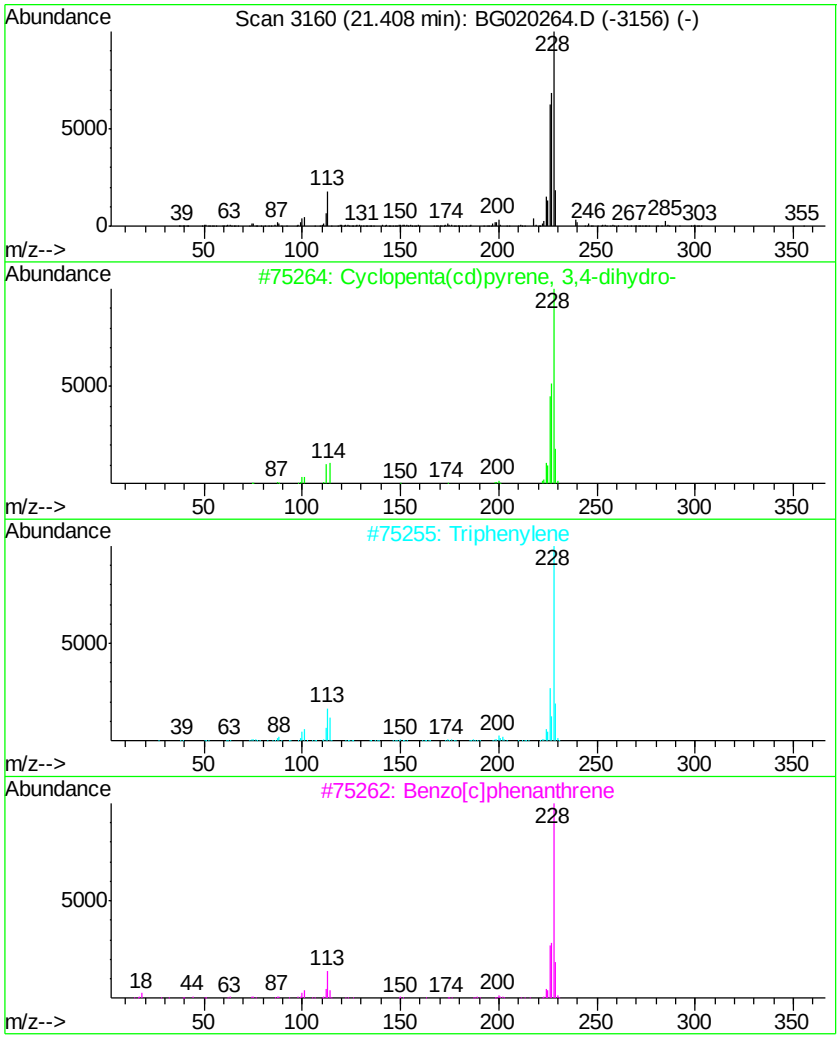
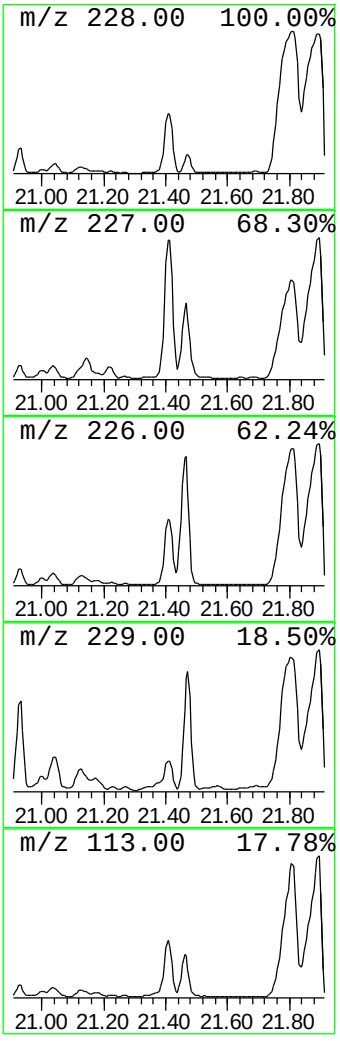
Peak Number 30 Cyclopenta(cd)pyrene, 3,4-d... Concentration Rank 25

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.41	3.54 ng/ul	5080080	Chrysene-d12	21.83

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopenta(cd)pyrene, 3,4-dihydro-	228	C18H12	025732-74-5	83
2	Triphenylene	228	C18H12	000217-59-4	55
3	Benzo[c]phenanthrene	228	C18H12	000195-19-7	52
4	Triphenylene	228	C18H12	000217-59-4	49
5	2-Nitrophenyl selenocyanate	228	C7H4N2O2Se	051694-22-5	47





Tentatively Identified Compound (LSC) summary

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Acq On : 18 Dec 2015 3:21
Operator : UM/SJ
Sample : G4767-22RE
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N44RE

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG121415.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
Indene	8.66	20.0	ng/ul	7409750	1	8.09	7409750	20.0
Naphthalene, 1-et...	13.79	12.7	ng/ul	8023760	3	14.80	12604500	20.0
Naphthalene, 1,6-...	13.95	22.1	ng/ul	13948800	3	14.80	12604500	20.0
Naphthalene, 2,7-...	14.09	20.3	ng/ul	12783200	3	14.80	12604500	20.0
Naphthalene, 2,3-...	14.32	7.6	ng/ul	4807840	3	14.80	12604500	20.0
Naphthalene, 2,6-...	14.35	2.1	ng/ul	1351680	3	14.80	12604500	20.0
1-Isopropenylnaph...	15.08	7.8	ng/ul	4881930	3	14.80	12604500	20.0
Naphthalene, 2,3,...	15.37	4.2	ng/ul	2641650	3	14.80	12604500	20.0
Naphthalene, 1,6,...	15.54	3.5	ng/ul	2194000	3	14.80	12604500	20.0
Dibenzofuran, 4-m...	16.13	15.6	ng/ul	9805140	3	14.80	12604500	20.0
Dibenzothiophene	17.35	4.0	ng/ul	18396900	4	17.56	92521100	20.0
Phenanthrene, 2-m...	18.41	3.4	ng/ul	15683600	4	17.56	92521100	20.0
8,9-Dihydrocyclop...	18.48	3.9	ng/ul	17792700	4	17.56	92521100	20.0
4H-Cyclopenta[def...	18.64	7.5	ng/ul	34759100	4	17.56	92521100	20.0
2-Phenylnaphthalene	18.89	2.5	ng/ul	11680000	4	17.56	92521100	20.0
1,8-Anthracenedia...	19.83	3.3	ng/ul	4728600	5	21.83	28695300	20.0
Benzo[b]naphtho[1...	20.12	3.6	ng/ul	5186770	5	21.83	28695300	20.0
Pyrene, 1-methyl-	20.26	6.0	ng/ul	8534400	5	21.83	28695300	20.0
Fluoranthene, 2-m...	20.54	11.7	ng/ul	16772700	5	21.83	28695300	20.0
7-Isopropenyl-1,4...	20.62	2.5	ng/ul	3523920	5	21.83	28695300	20.0
Benzo[b]naphtho[2...	21.37	3.8	ng/ul	5500410	5	21.83	28695300	20.0
Cyclopenta(cd)pyr...	21.41	3.5	ng/ul	5080080	5	21.83	28695300	20.0