LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA G\DATA\BG122015\
Data File : BG020377.D
Acq On : 21 Dec 2015 13:31
Operator : UM/SJ
Sample : G4848-17
Misc :
ALS Vial : 42 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N63

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	11.034	1370	1395	1400	rVV	6594805	24277835	39.68%	4.060%
2	11.110	1402	1408	1414	rVB	468063	783936	1.28%	0.131%
3	12.614	1648	1664	1669	rVV	6239625	17882985	29.23%	2.991%
4	12.820	1683	1699	1704	rVV	4498398	10071335	16.46%	1.684%
5	13.584	1818	1829	1835	rVB	4032651	7464894	12.20%	1.248%
6	13.772	1853	1861	1871	rVB	1649962	3381277	5.53%	0.565%
7	13.925	1871	1887	1893	rBV	2106005	5915953	9.67%	0.989%
8	14.066	1901	1911	1916	rBV	2565817	5576007	9.11%	0.933%
9	14.119	1916	1920	1930	rVB2	2117874	3279980	5.36%	0.549%
10	14.295	1939	1950	1954	rBV	1253624	2309508	3.77%	0.386%
11	14.459	1967	1978	1987	rBV2	1610833	3020659	4.94%	0.505%
12	14.753	2020	2028	2032	rBV	1809182	3060690	5.00%	0.512%
13	14.871	2032	2048	2052	rVV2	8303681	33360204	54.52%	5.579%
14	14.900	2052	2053	2057	rVV	888081	873598	1.43%	0.146%
15	14.947	2057	2061	2071	rVB	411100	1106800	1.81%	0.185%
16	15.053	2071	2079	2085	rBV	1089717	1825866	2.98%	0.305%
17	15.194	2085	2103	2121	rVB3	6933491	23645407	38.65%	3.955%
18	15.347	2123	2129	2134	rBV2	581558	1049397	1.72%	0.176%
19	15.399	2134	2138	2150	rVB2	637470	1057637	1.73%	0.177%
20	15.517	2150	2158	2162	rBV2	415406	991308	1.62%	0.166%
21	15.734	2191	2195	2199	rVV	555501	903828	1.48%	0.151%
22	15.852	2199	2215	2219	rVV3	7369906	29197342	47.72%	4.883%
23	15.899	2219	2223	2226	rVV	1072910	1839592	3.01%	0.308%
24	15.934	2226	2229	2231	rVV2	1707212	2470357	4.04%	0.413%
25	15.969	2231	2235	2239	rVV3	2711227	4905713	8.02%	0.820%
26	16.010	2239	2242	2245	rVV3	746588	1187024	1.94%	0.199%
27	16.052	2245	2249	2252	rVV	1817653	2914804	4.76%	0.487%
28	16.093	2252	2256	2262	rVB	3165659	4705557	7.69%	0.787%
29	16.240	2271	2281	2288	rVV	2976613	8056031	13.17%	1.347%
30	16.322	2292	2295	2300	rVV	691703	958253	1.57%	0.160%
31	16.580	2334	2339	2344	rVB	1798098	2664990	4.36%	0.446%
32	16.792	2362	2375	2380	rBV2	2761209	6638212	10.85%	1.110%
33	16.845	2380	2384	2388	rVB2	1079668	1449250	2.37%	0.242%
34	16.939	2394	2400	2404	rVB3	1082675	1964728	3.21%	0.329%

LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA G\DATA\BG122015\
Data File : BG020377.D
Acq On : 21 Dec 2015 13:31
Operator : UM/SJ
Sample : G4848-17
Misc :
ALS Vial : 42 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N63

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	16.986	2404	2408	2410	rBV	620156	866414	1.42%	0.145%
36	17.015	2410	2413	2416	rVV	591160	857726	1.40%	0.143%
37	17.056	2416	2420	2424	rVB	792403	1075879	1.76%	0.180%
38	17.233	2442	2450	2458	rBV3	1444607	3907502	6.39%	0.654%
39	17.327	2458	2466	2484	rVB	4519953	9761594	15.95%	1.633%
40	17.644	2487	2520	2522	rBV5	9473119	61183561	100.00%	10.233%
41	17.720	2528	2533	2540	rVB	7495805	13703800	22.40%	2.292%
42	17.932	2558	2569	2579	rBV3	3924139	9515149	15.55%	1.591%
43	18.020	2579	2584	2588	rBV	1505537	2242866	3.67%	0.375%
44	18.090	2592	2596	2604	rVB2	801965	1549117	2.53%	0.259%
45	18.220	2613	2618	2628	rVB	694607	1469920	2.40%	0.246%
46	18.390	2635	2647	2651	rBV	4525998	9878216	16.15%	1.652%
47	18.449	2651	2657	2661	rVB	6194494	11274284	18.43%	1.886%
48	18.531	2661	2671	2675	rBV	2139653	4187559	6.84%	0.700%
49	18.607	2675	2684	2692	rVV2	7305323	22217766	36.31%	3.716%
50	18.713	2698	2702	2707	rBV2	587822	849611	1.39%	0.142%
51	18.807	2714	2718	2722	rVV3	432548	829850	1.36%	0.139%
52	18.872	2722	2729	2734	rVB	4575091	7482419	12.23%	1.251%
53	18.954	2739	2743	2746	rVV	469211	885961	1.45%	0.148%
54	19.101	2764	2768	2773	rVB	1156358	1599206	2.61%	0.267%
55	19.154	2773	2777	2780	rBV	889418	1110590	1.82%	0.186%
56	19.189	2780	2783	2787	rVB	619816	799428	1.31%	0.134%
57	19.277	2792	2798	2802	rBV	1519494	2853770	4.66%	0.477%
58	19.348	2806	2810	2817	rVB2	930698	1993671	3.26%	0.333%
59	19.600	2838	2853	2854	rBV	8595242	27578704	45.08%	4.612%
60	19.677	2864	2866	2871	rVB	1003024	1181616	1.93%	0.198%
61	19.812	2882	2889	2896	rBV	2125237	3349591	5.47%	0.560%
62	19.965	2896	2915	2919	rBV2	10088035	39870196	65.16%	6.668%
63	20.100	2932	2938	2942	rVV	2635504	3794763	6.20%	0.635%
64	20.247	2953	2963	2967	rBV2	2172852	5418932	8.86%	0.906%
65	20.294	2967	2971	2975	rVV	1008236	1503930	2.46%	0.252%
66	20.423	2978	2993	2997	rVV	4884395	12231326	19.99%	2.046%
67	20.523	3000	3010	3013	rBV	5247697	10994872	17.97%	1.839%
68	20.576	3013	3019	3021	rVV2	2201633	4784646	7.82%	0.800%
69	20.605	3021	3024	3027	rVV	1745113	2472172	4.04%	0.413%
70	20.634	3027	3029	3034	rVV3	868056	1260938	2.06%	0.211%
71	20.705	3036	3041	3045	rVV	1327977	2345361	3.83%	0.392%

LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA G\DATA\BG122015\
Data File : BG020377.D
Acq On : 21 Dec 2015 13:31
Operator : UM/SJ
Sample : G4848-17
Misc :
ALS Vial : 42 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N63

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	20.746	3045	3048	3058	rVB2	1374799	2385073	3.90%	0.399%
73	20.822	3058	3061	3072	rBV3	435245	810194	1.32%	0.136%
74	20.916	3072	3077	3081	rBV	923262	1405552	2.30%	0.235%
75	20.987	3085	3089	3092	rVV2	563785	902573	1.48%	0.151%
76	21.022	3092	3095	3105	rVB4	840059	1816210	2.97%	0.304%
77	21.110	3105	3110	3116	rBV2	738021	1677697	2.74%	0.281%
78	21.351	3144	3151	3155	rBV	1793668	3524745	5.76%	0.589%
79	21.392	3155	3158	3163	rVB	1733774	2739319	4.48%	0.458%
80	21.451	3163	3168	3172	rBV2	2011846	3201103	5.23%	0.535%
81	21.633	3190	3199	3209	rVB	551356	1542723	2.52%	0.258%
82	21.792	3210	3226	3231	rBV2	5709035	18447479	30.15%	3.085%
83	21.868	3231	3239	3246	rVB	5564367	13852171	22.64%	2.317%
84	22.003	3255	3262	3268	rBV	1939743	3614017	5.91%	0.604%
85	22.127	3280	3283	3288	rVV	609349	1056036	1.73%	0.177%
86	22.197	3288	3295	3301	rVV2	1108450	2274014	3.72%	0.380%
87	22.438	3330	3336	3340	rVV	433420	844644	1.38%	0.141%
88	22.515	3341	3349	3355	rVV	883955	2362579	3.86%	0.395%
89	22.591	3357	3362	3370	rVV2	456265	908714	1.49%	0.152%
90	22.738	3382	3387	3393	rVV3	457346	999630	1.63%	0.167%
91	22.808	3393	3399	3402	rVV	497787	1188237	1.94%	0.199%
92	22.855	3403	3407	3413	rVB	681451	1306193	2.13%	0.218%
93	22.932	3413	3420	3427	rBV2	446904	939197	1.54%	0.157%
94	24.060	3595	3612	3617	rBV	1988936	7781247	12.72%	1.301%
95	24.289	3644	3651	3658	rVB	483774	1089615	1.78%	0.182%
96	24.783	3724	3735	3743	rBV	898259	2739691	4.48%	0.458%
97	24.947	3751	3763	3771	rVB2	1509241	4511907	7.37%	0.755%
98	25.159	3791	3799	3811	rVB3	460606	1402850	2.29%	0.235%
99	28.825	4408	4423	4442	rVB3	271735	1642505	2.68%	0.275%
100	29.042	4448	4460	4478	rVB3	277458	1288592	2.11%	0.216%

Sum of corrected areas: 597928370

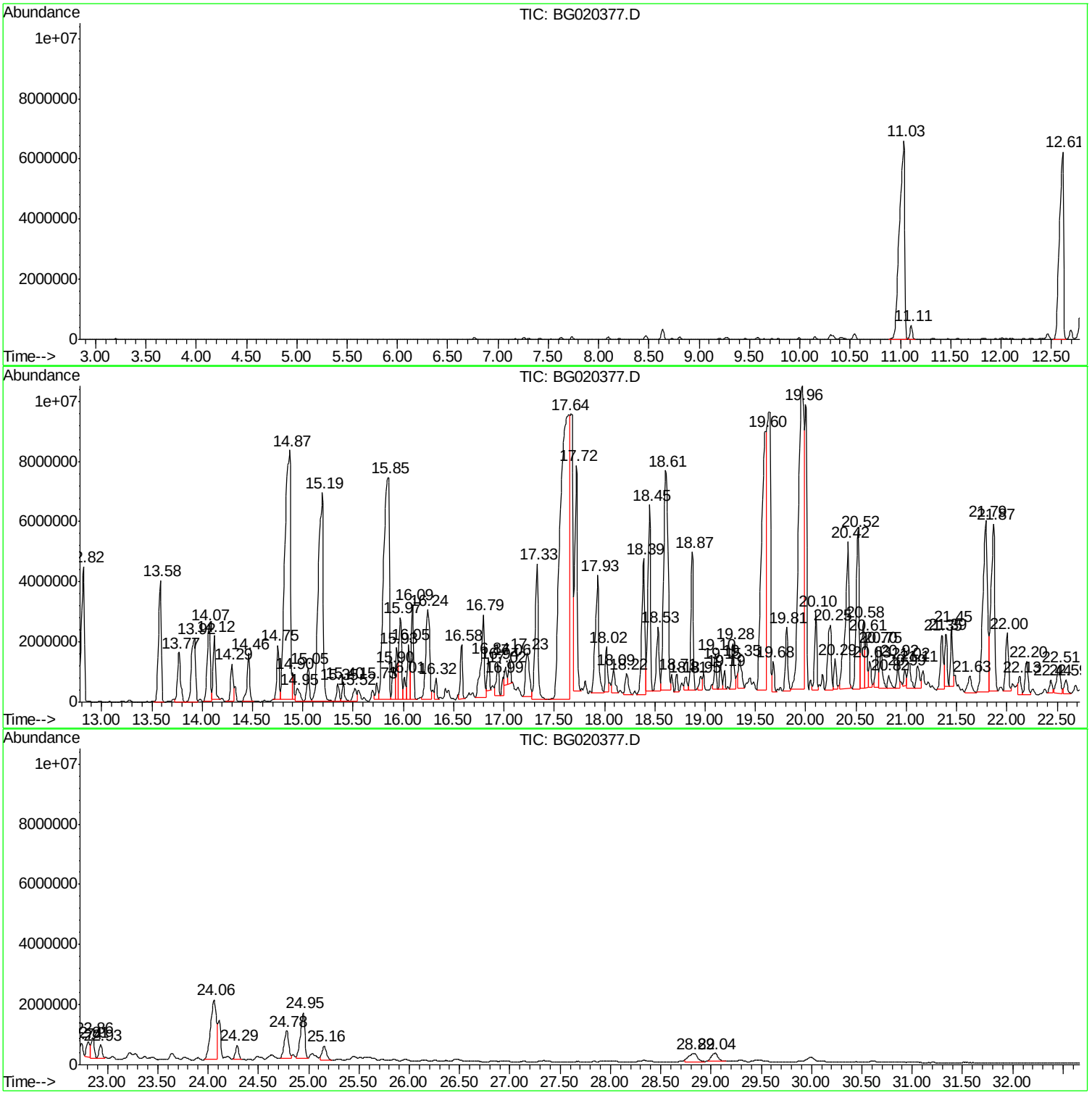
LSC Report - Integrated Chromatogram

Data Path : Z:\HPCHEM1\BNA G\DATA\BG122015\
Data File : BG020377.D
Acq On : 21 Dec 2015 13:31
Operator : UM/SJ
Sample : G4848-17
Misc :
ALS Vial : 42 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N63

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



Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA G\DATA\BG122015\
Data File : BG020377.D
Acq On : 21 Dec 2015 13:31
Operator : UM/SJ
Sample : G4848-17
Misc :
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Instrument : BNA_G
ClientSampleId : D9N63

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

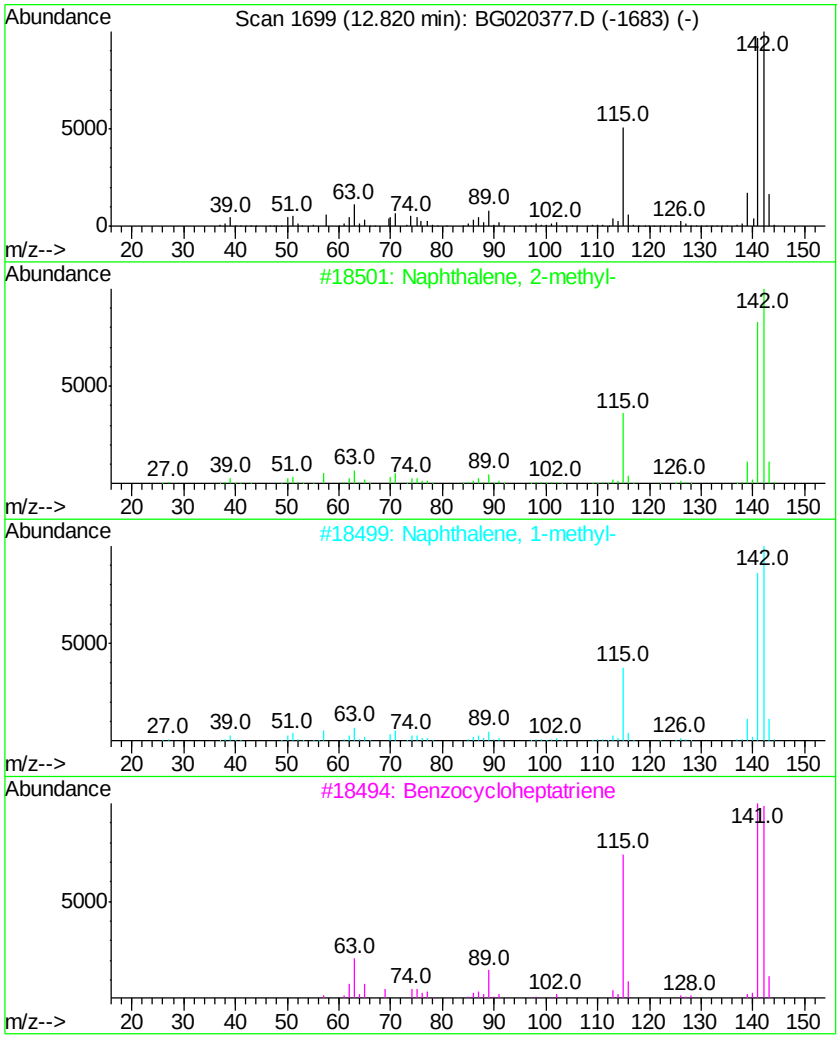
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

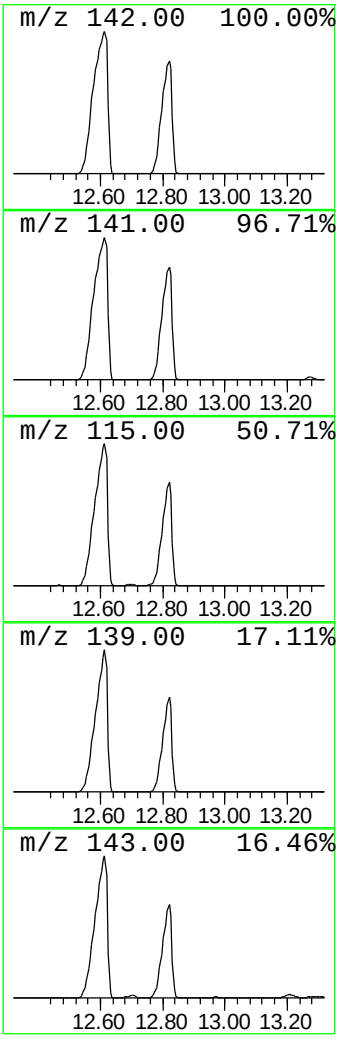
****

Peak Number 1 Naphthalene, 1-methyl- Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.82	8.30 ng/ul	10071300	Naphthalene-d8	10.93

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2-methyl-	142	C11H10	000091-57-6	97
2	Naphthalene, 1-methyl-	142	C11H10	000090-12-0	96
3	Benzocycloheptatriene	142	C11H10	000264-09-5	95
4	Naphthalene, 1-methyl-	142	C11H10	000090-12-0	94
5	1H-Indene, 1-ethylidene-	142	C11H10	002471-83-2	94





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA G\DATA\BG122015\
Data File : BG020377.D
Acq On : 21 Dec 2015 13:31
Operator : UM/SJ
Sample : G4848-17
Misc :
ALS Vial : 42 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N63

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

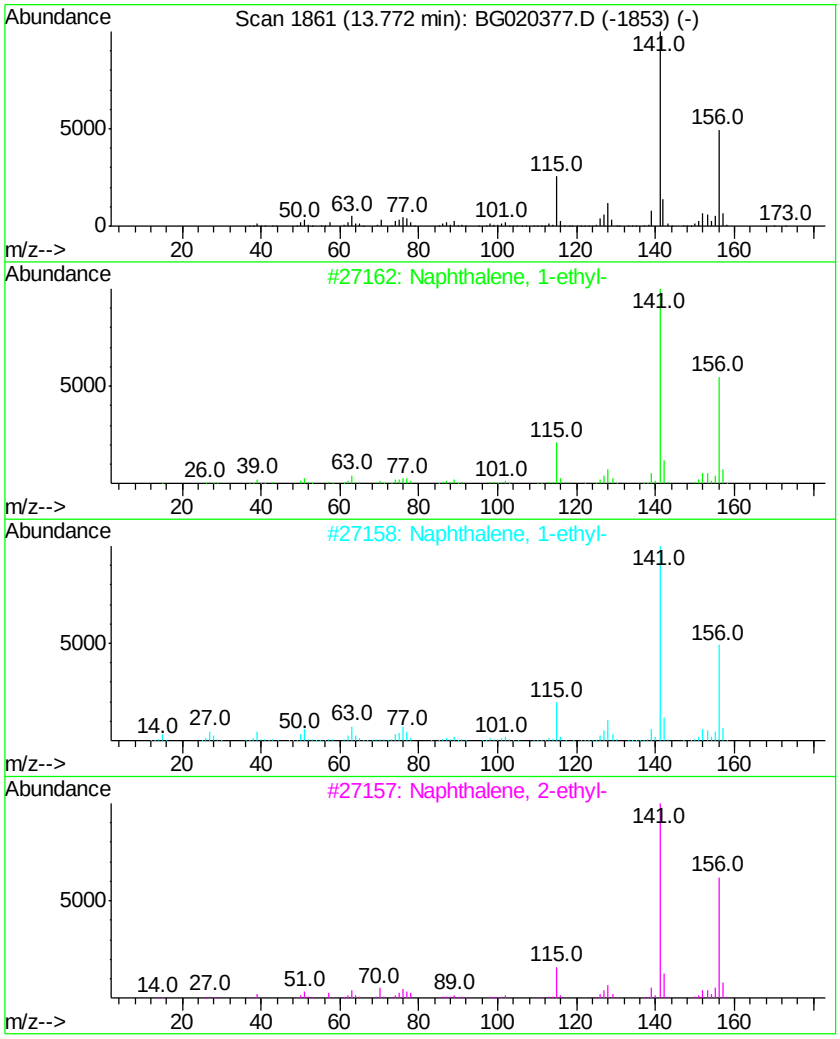
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

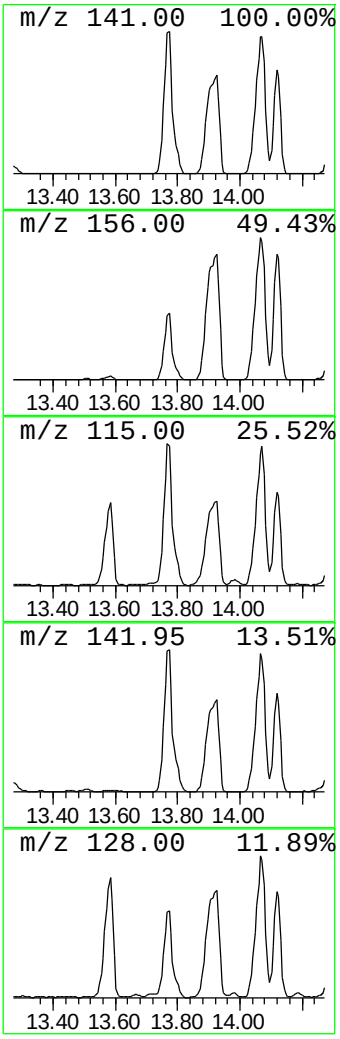
****

Peak Number 2 Naphthalene, 1-ethyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.77	22.09 ng/ul	3381280	Acenaphthene-d10	14.75

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-ethyl-	156	C12H12	000939-27-5	93
4	Naphthalene, 2-ethyl-	156	C12H12	000939-27-5	93
5	Naphthalene, 1-ethyl-	156	C12H12	001127-76-0	93





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA G\DATA\BG122015\
Data File : BG020377.D
Acq On : 21 Dec 2015 13:31
Operator : UM/SJ
Sample : G4848-17
Misc :
ALS Vial : 42 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N63

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

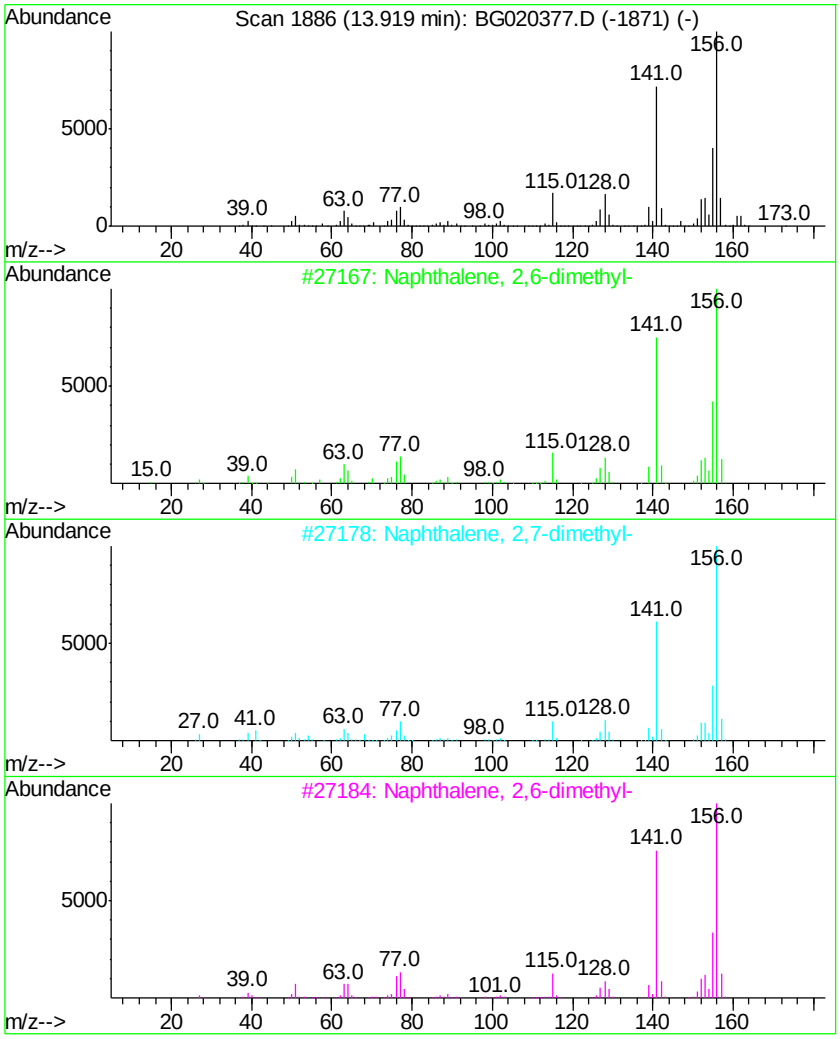
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

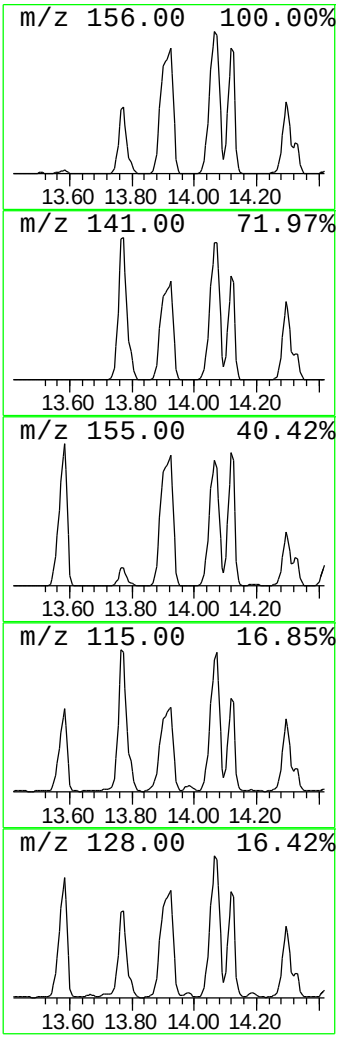
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.92	38.66 ng/ul	5915950	Acenaphthene-d10	14.75

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





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA G\DATA\BG122015\
Data File : BG020377.D
Acq On : 21 Dec 2015 13:31
Operator : UM/SJ
Sample : G4848-17
Misc :
ALS Vial : 42 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N63

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

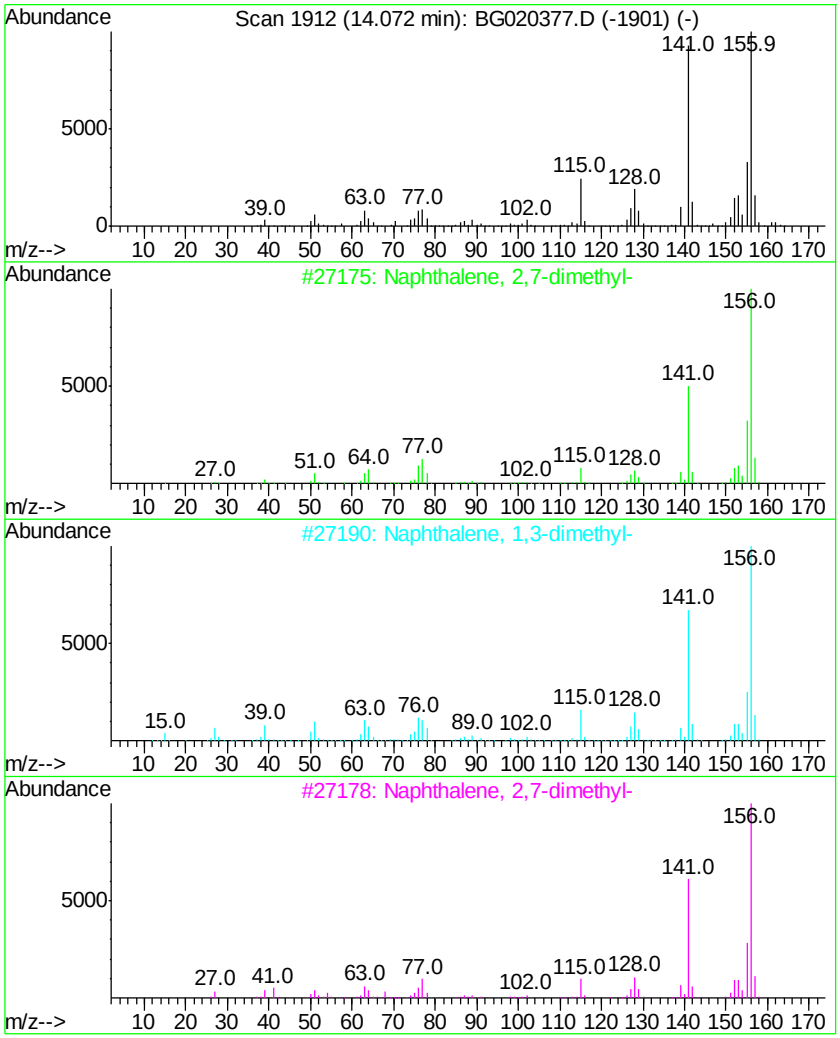
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

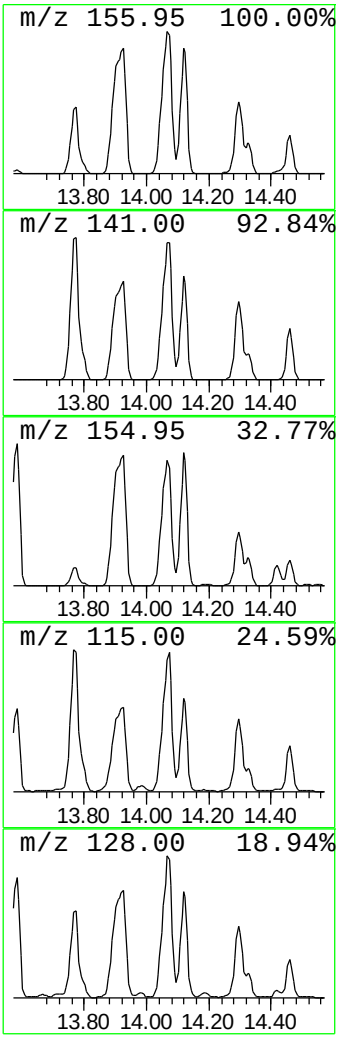
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.07	36.44 ng/ul	5576010	Acenaphthene-d10	14.75

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2,7-dimethyl-	156	C12H12	000582-16-1	97
2	Naphthalene, 1,3-dimethyl-	156	C12H12	000575-41-7	97
3	Naphthalene, 2,7-dimethyl-	156	C12H12	000582-16-1	97
4	Naphthalene, 1,7-dimethyl-	156	C12H12	000575-37-1	97
5	Naphthalene, 1,4-dimethyl-	156	C12H12	000571-58-4	97





Data Path : Z:\HPCHEM1\BNA G\DATA\BG122015\
Data File : BG020377.D
Acq On : 21 Dec 2015 13:31
Operator : UM/SJ
Sample : G4848-17
Misc :
ALS Vial : 42 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N63

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

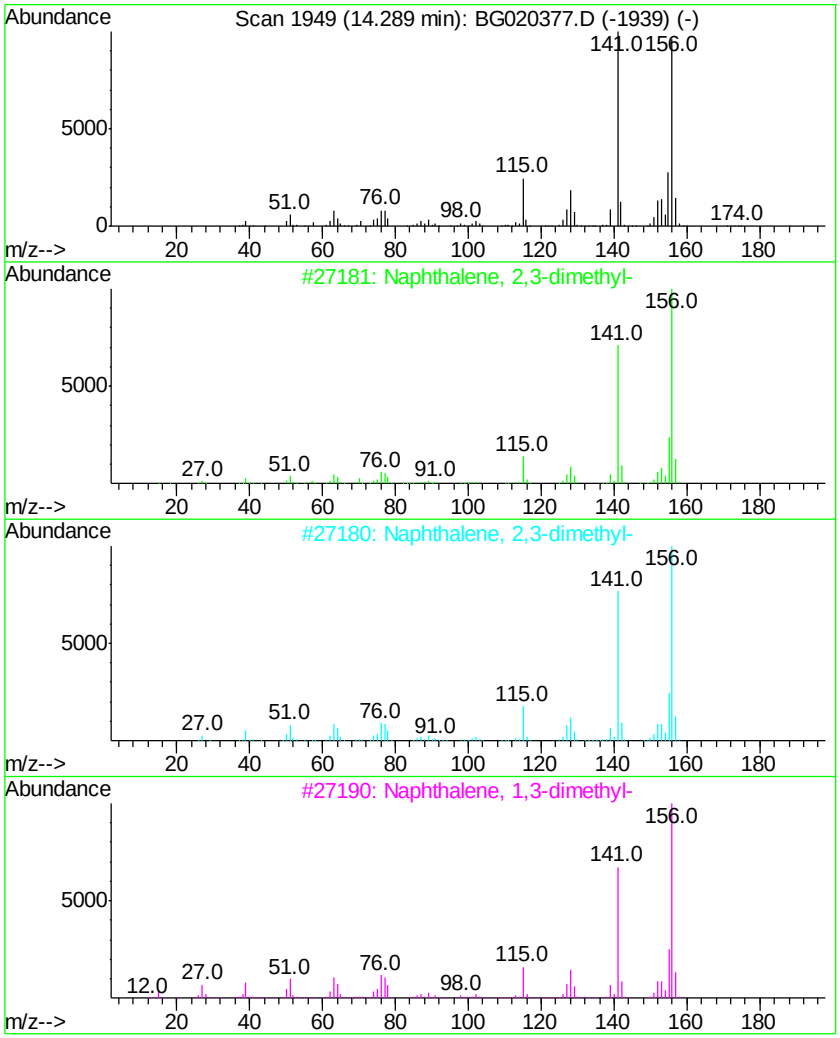
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

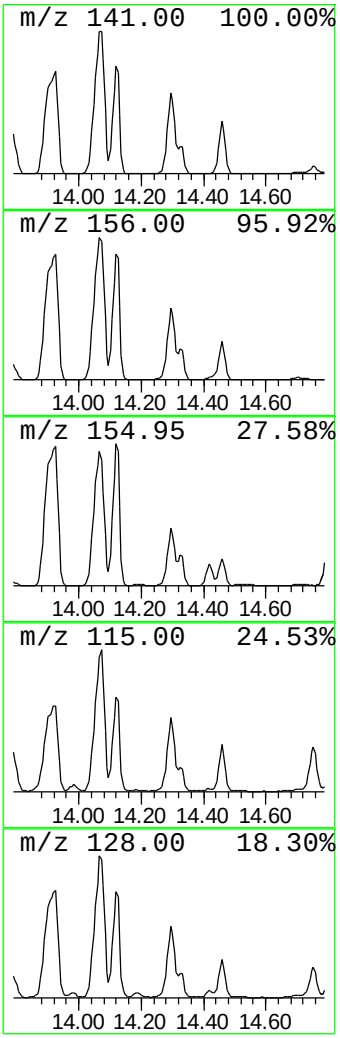
****

Peak Number 5 Naphthalene, 2,3-dimethyl- Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.29	15.09 ng/ul	2309510	Acenaphthene-d10	14.75

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





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Acq On : 21 Dec 2015 13:31
Operator : UM/SJ
Sample : G4848-17
Misc :
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Instrument : BNA_G
ClientSampleId : D9N63

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Quant Title : SVOA CALIBRATION

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

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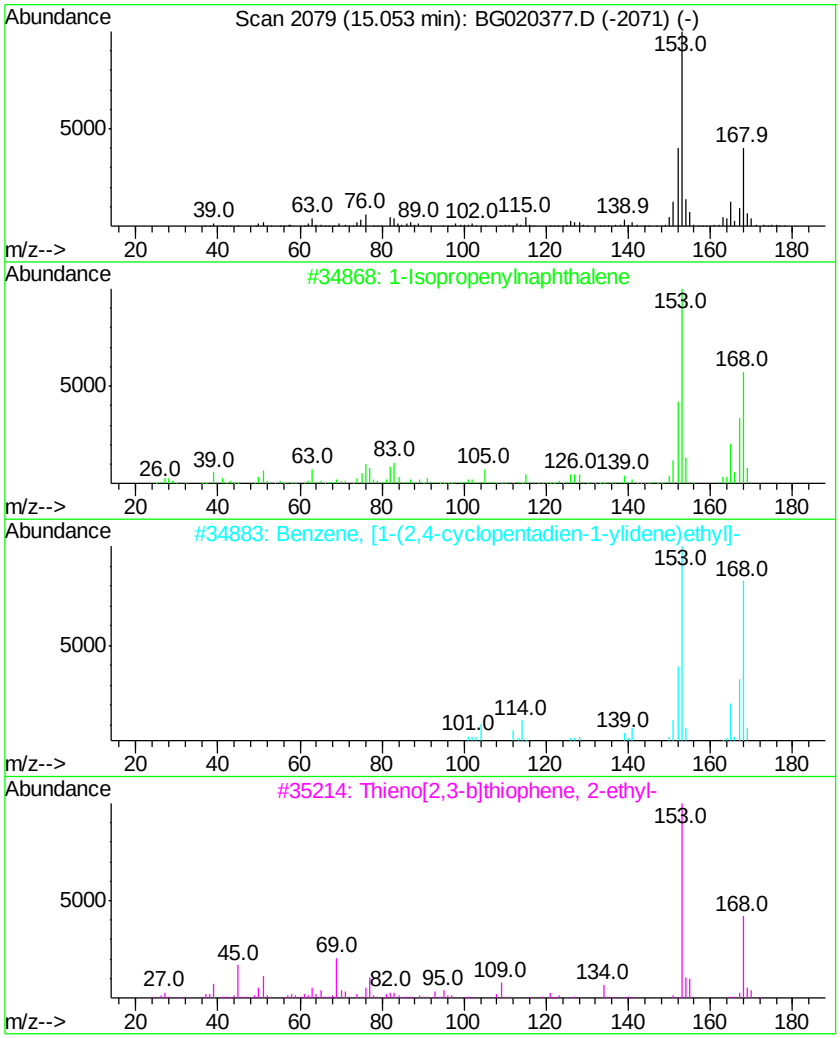
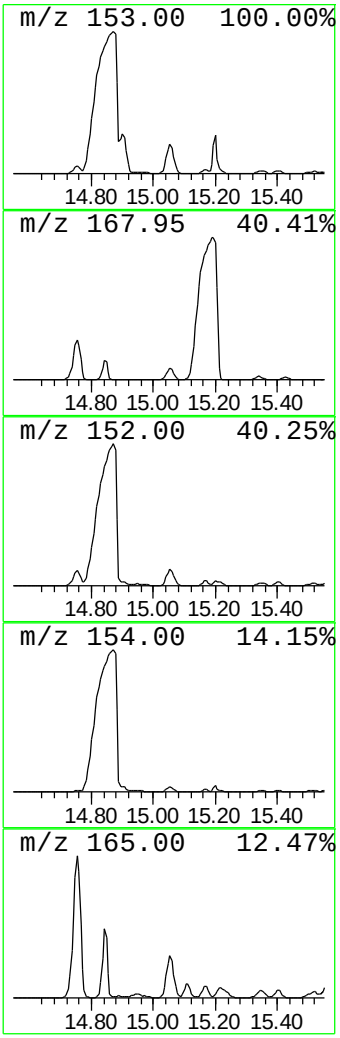
Peak Number 6 1-Isopropenylnaphthalene Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.05	11.93 ng/ul	1825870	Acenaphthene-d10	14.75

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Isopropenylnaphthalene	168	C13H12	001855-47-6	83
2	Benzene, [1-(2,4-cyclopentadien-...	168	C13H12	002320-32-3	72
3	Thieno[2,3-b]thiophene, 2-ethyl-	168	C8H8S2	005912-01-6	50
4	5-Acetyl-2-methyl-3-thiophenecar...	168	C8H8O2S	090345-55-4	50
5	2(1H)-Pyridinethione, 1,4,6-trim...	153	C8H11NS	019006-70-3	49





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Instrument : BNA_G
ClientSampleId : D9N63

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Quant Title : SVOA CALIBRATION

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

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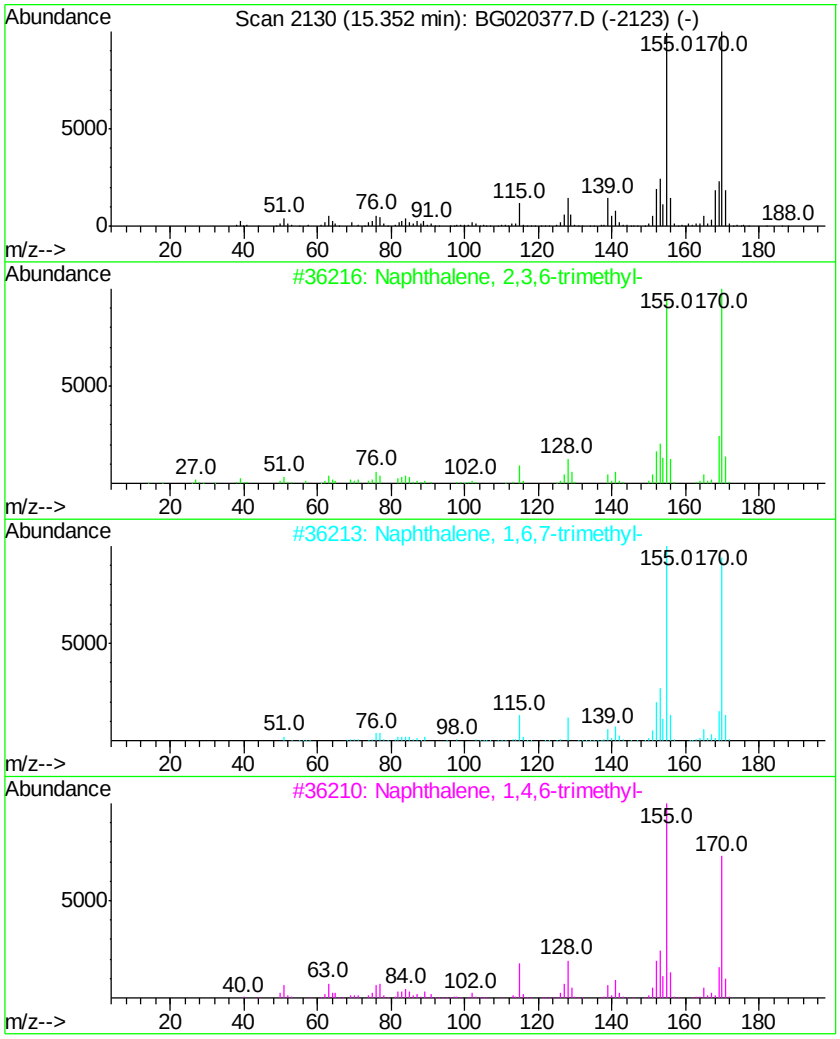
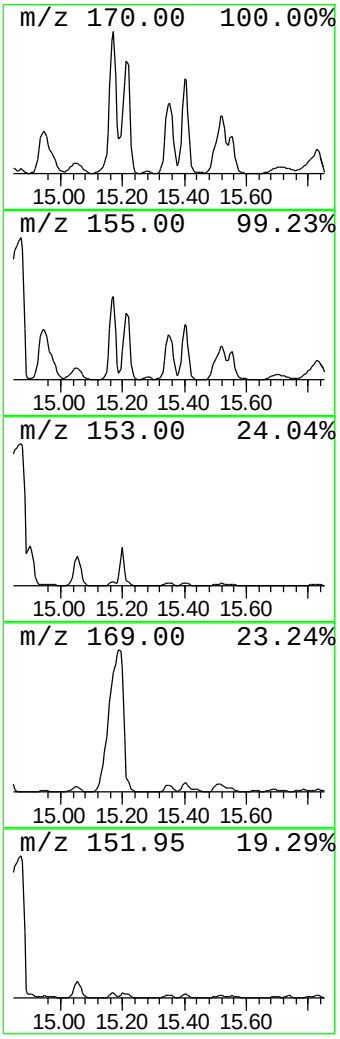
Peak Number 7 Naphthalene, 2,3,6-trimethyl- Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.35	6.86 ng/ul	1049400	Acenaphthene-d10	14.75

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, 1,4,6-trimethyl-	170	C13H14	002131-42-2	93
5	Naphthalene, 1,6,7-trimethyl-	170	C13H14	002245-38-7	93





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Quant Title : SVOA CALIBRATION

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

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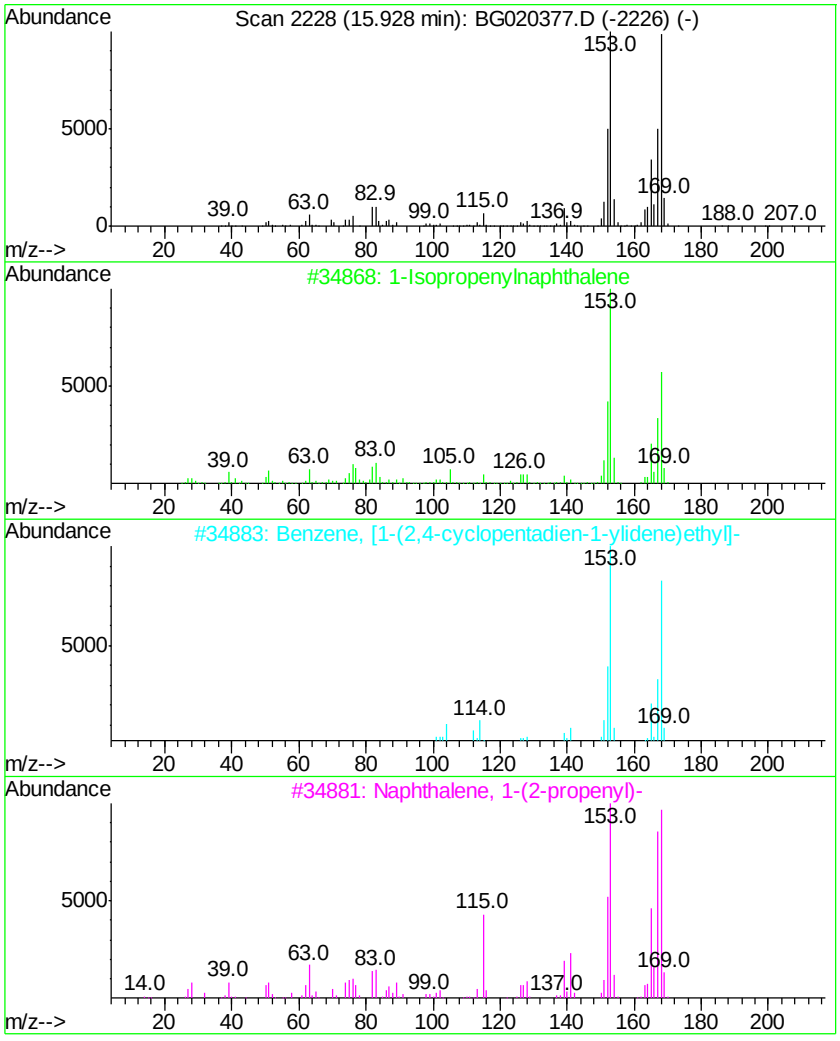
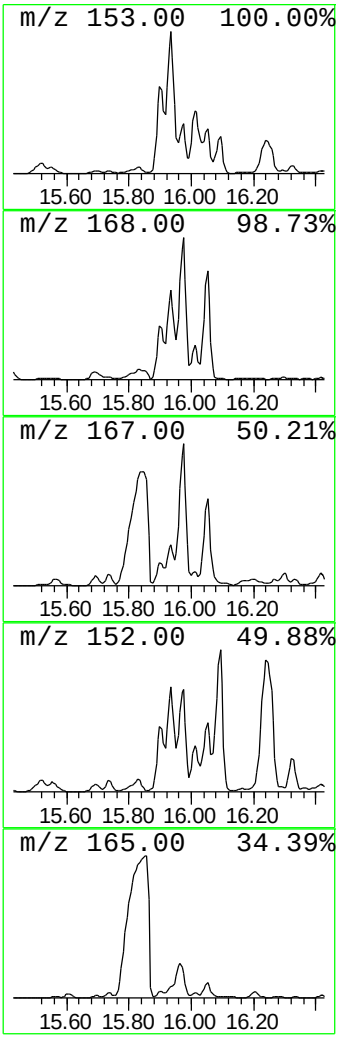
Peak Number 10 Benzene, [1-(2,4-cyclopenta... Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.93	16.14 ng/ul	2470360	Acenaphthene-d10	14.75

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Isopropenylnaphthalene	168	C13H12	001855-47-6	95
2	Benzene, [1-(2,4-cyclopentadien-...	168	C13H12	002320-32-3	81
3	Naphthalene, 1-(2-propenyl)-	168	C13H12	002489-86-3	53
4	Diphenylmethane	168	C13H12	000101-81-5	47
5	1,1'-Biphenyl, 3-methyl-	168	C13H12	000643-93-6	47





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ClientSampleId : D9N63

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Quant Title : SVOA CALIBRATION

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

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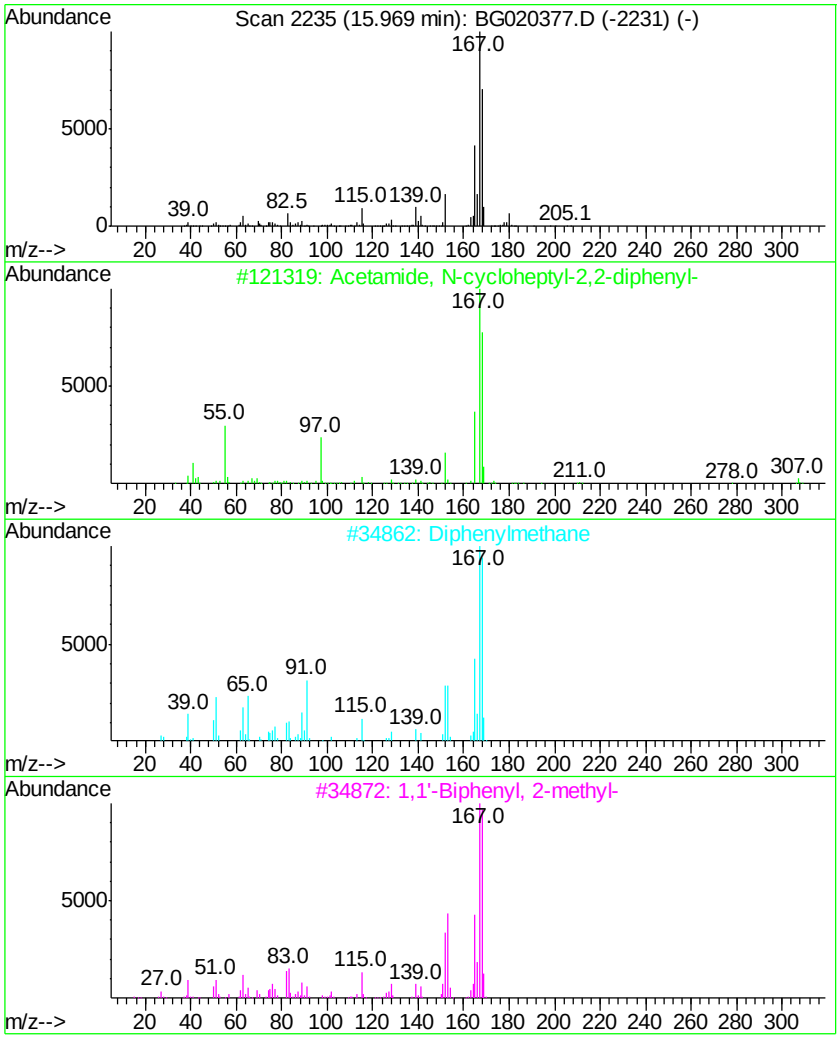
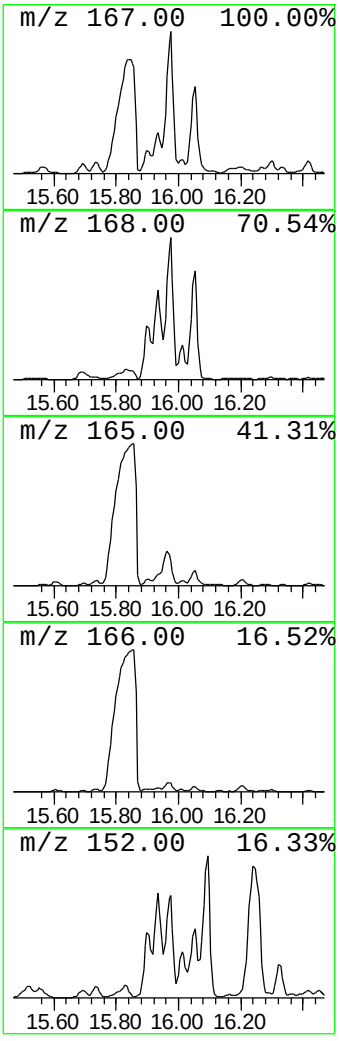
Peak Number 11 Acetamide, N-cycloheptyl-2,... Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.97	32.06 ng/ul	4905710	Acenaphthene-d10	14.75

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Acetamide, N-cycloheptyl-2,2-dip...	307	C21H25NO	351062-01-6	72
2	Diphenylmethane	168	C13H12	000101-81-5	64
3	1,1'-Biphenyl, 2-methyl-	168	C13H12	000643-58-3	64
4	Benzene, 1,1'-(chloromethylene)bis-	202	C13H11Cl	000090-99-3	59
5	Benzhydryl isothiocyanate	225	C14H11NS	003550-21-8	59





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Sample : G4848-17
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Instrument : BNA_G
ClientSampleId : D9N63

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Quant Title : SVOA CALIBRATION

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

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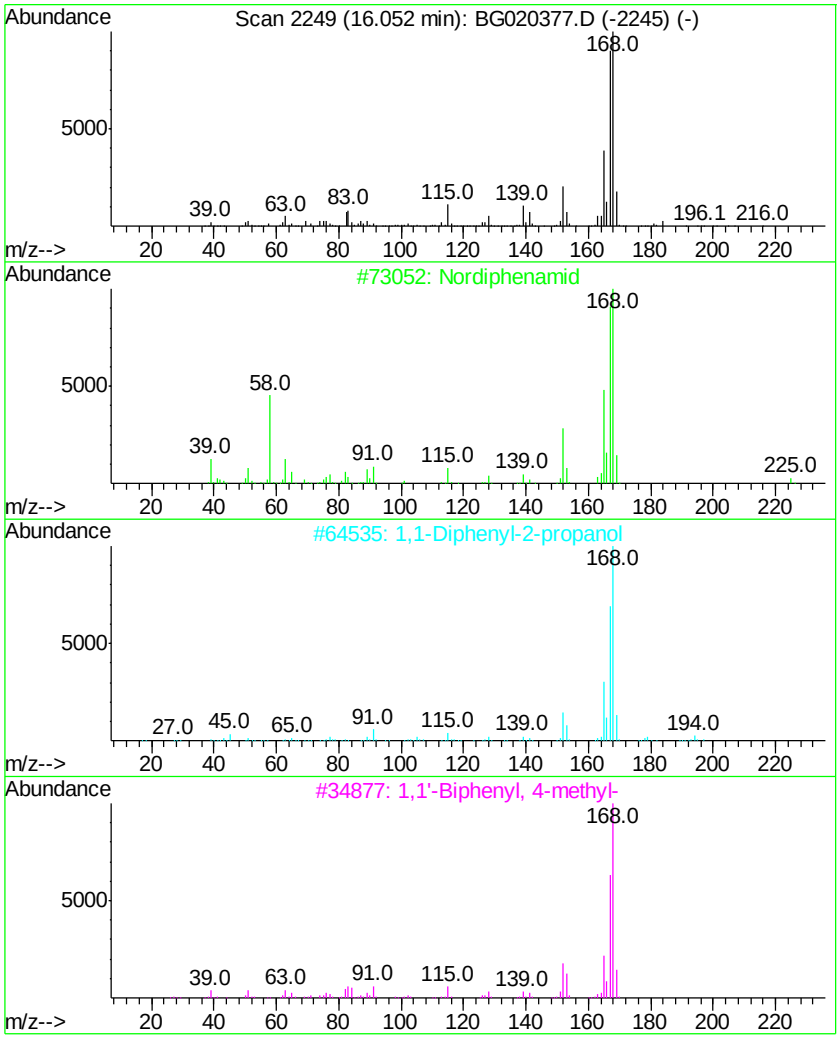
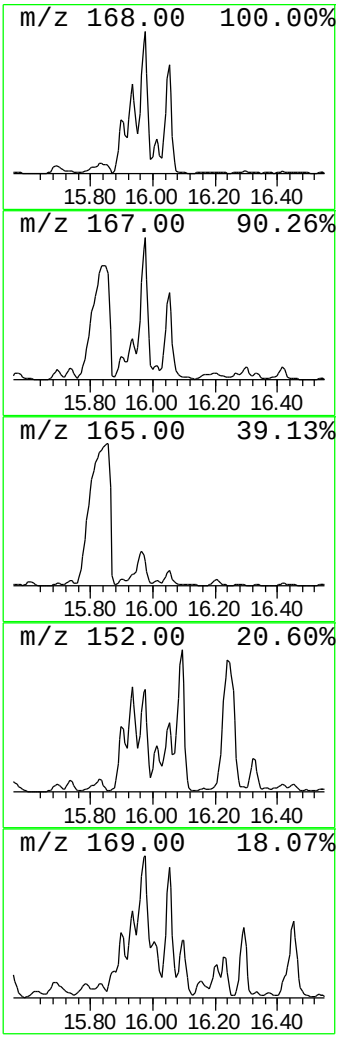
Peak Number 13 Nordiphenamid Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.05	19.05 ng/ul	2914800	Acenaphthene-d10	14.75

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Nordiphenamid	225	C15H15NO	000954-21-2	83
2	1,1-Diphenyl-2-propanol	212	C15H16O	029338-49-6	83
3	1,1'-Biphenyl, 4-methyl-	168	C13H12	000644-08-6	81
4	1,1'-Biphenyl, 2-methyl-	168	C13H12	000643-58-3	76
5	1,1'-Biphenyl, 4-methyl-	168	C13H12	000644-08-6	74





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ALS Vial : 42 Sample Multiplier: 1

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Quant Title : SVOA CALIBRATION

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

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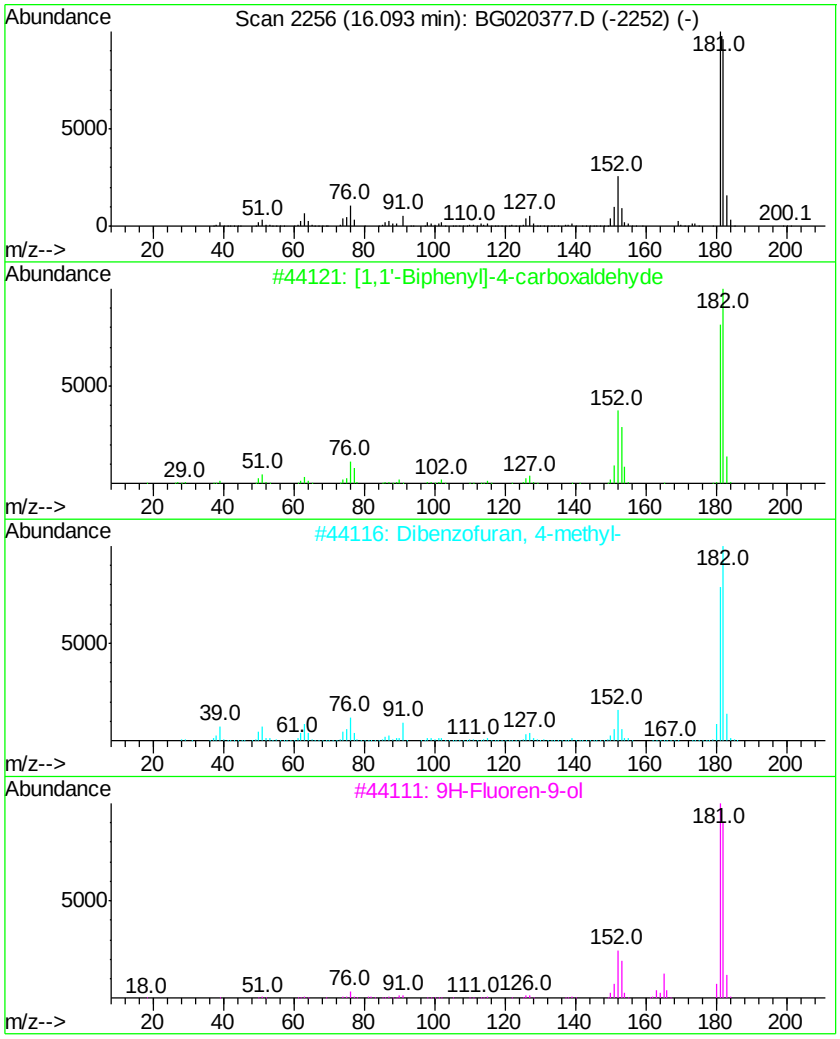
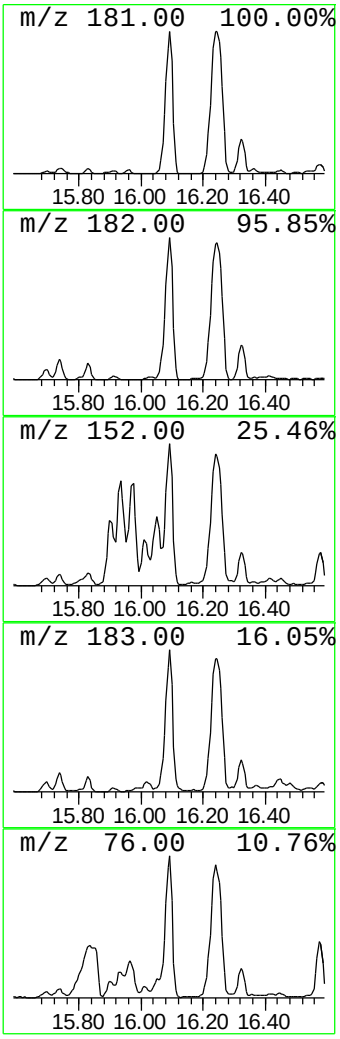
Peak Number 14 [1,1'-Biphenyl]-4-carboxald... Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.09	30.75 ng/ul	4705560	Acenaphthene-d10	14.75

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	[1,1'-Biphenyl]-4-carboxaldehyde	182	C13H10O	003218-36-8	91
2	Dibenzofuran, 4-methyl-	182	C13H10O	007320-53-8	91
3	9H-Fluoren-9-ol	182	C13H10O	001689-64-1	78
4	2,4,6-Cycloheptatrien-1-one, 2-p...	182	C13H10O	014562-09-5	78
5	6H-Dibenzo[b,d]-pyran	182	C13H10O	000229-95-8	64





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Misc :
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Quant Title : SVOA CALIBRATION

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

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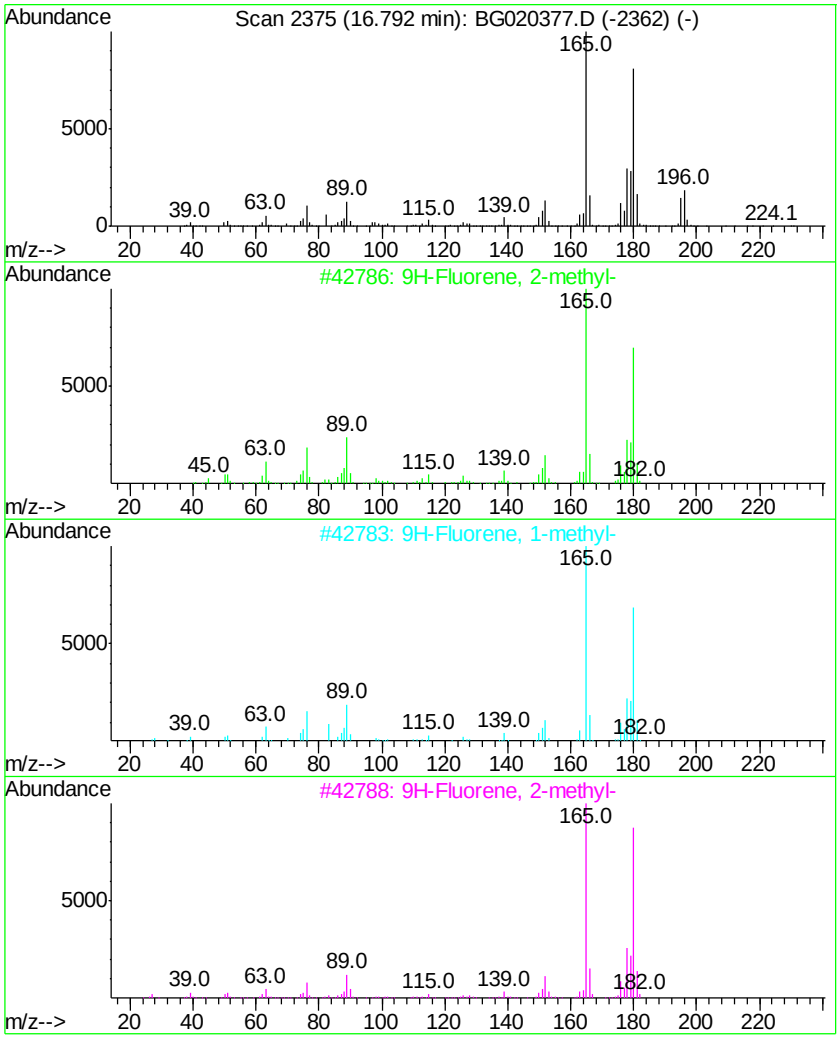
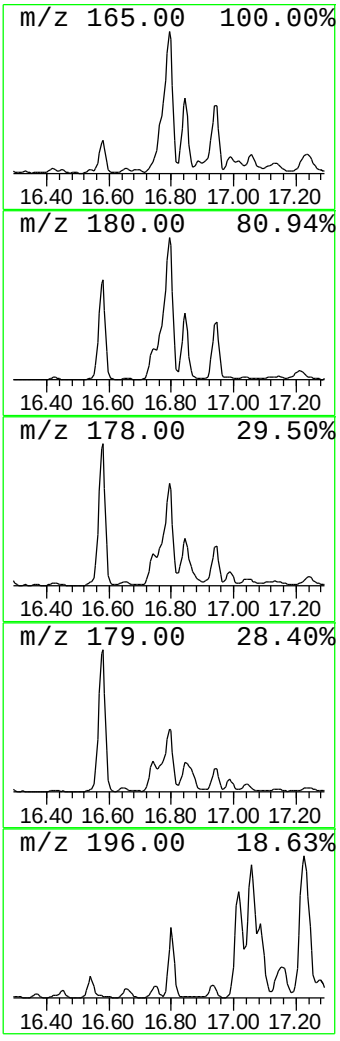
Peak Number 16 9H-Fluorene, 2-methyl- Concentration Rank 40

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.79	2.17 ng/ul	6638210	Phenanthrene-d10	17.56

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9H-Fluorene, 2-methyl-	180	C14H12	001430-97-3	97
2	9H-Fluorene, 1-methyl-	180	C14H12	001730-37-6	96
3	9H-Fluorene, 2-methyl-	180	C14H12	001430-97-3	93
4	9H-Fluorene, 4-methyl-	180	C14H12	001556-99-6	90
5	9H-Fluorene, 9-methyl-	180	C14H12	002523-37-7	89





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Misc :
ALS Vial : 42 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N63

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Quant Title : SVOA CALIBRATION

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

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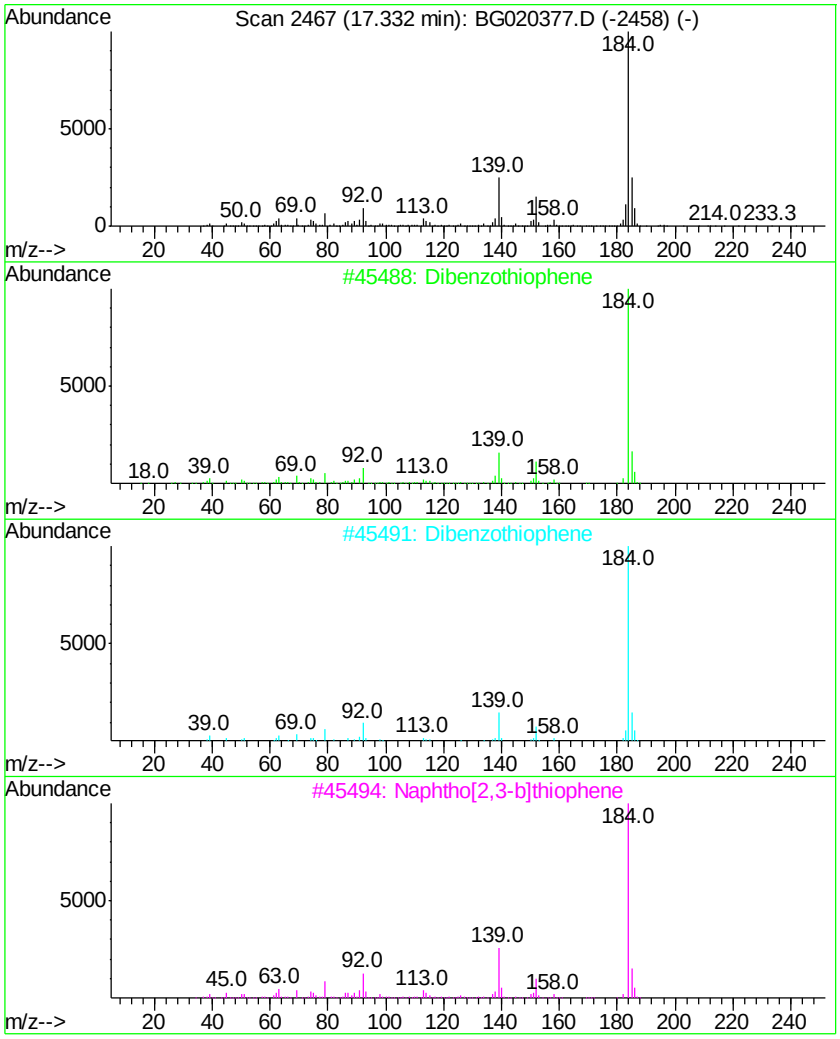
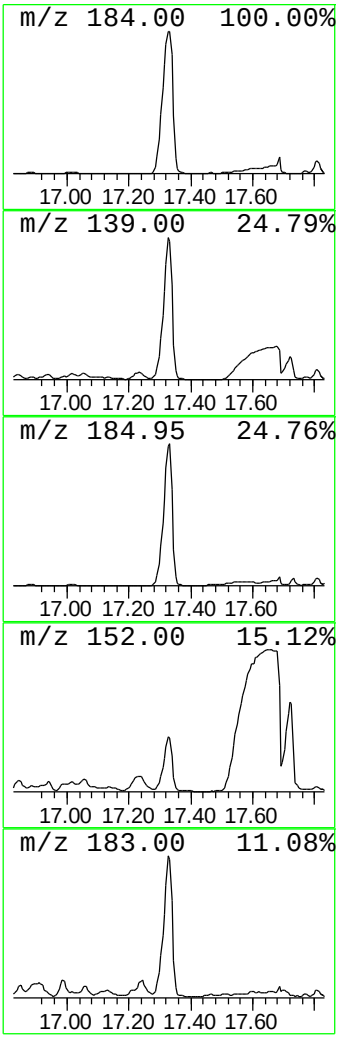
Peak Number 17 Dibenzothiophene Concentration Rank 31

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.33	3.19 ng/ul	9761590	Phenanthrene-d10	17.56

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dibenzothiophene	184	C12H8S	000132-65-0	96
2	Dibenzothiophene	184	C12H8S	000132-65-0	94
3	Naphtho[2,3-b]thiophene	184	C12H8S	000268-77-9	94
4	Dibenzothiophene	184	C12H8S	000132-65-0	93
5	Azuleno(2,1-b)thiophene	184	C12H8S	000248-13-5	90





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Quant Title : SVOA CALIBRATION

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

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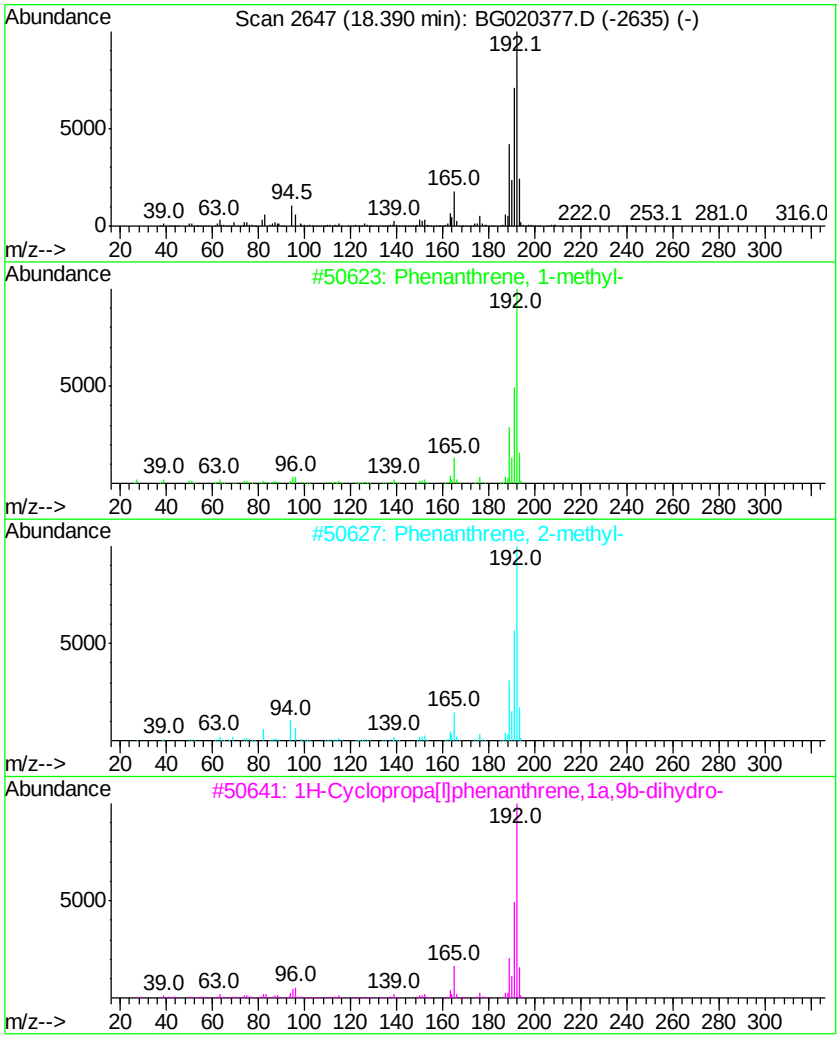
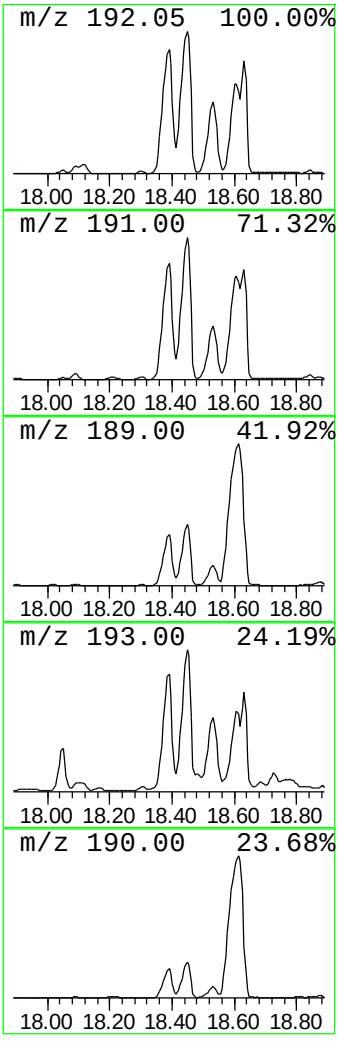
Peak Number 18 Phenanthrene, 1-methyl- Concentration Rank 30

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.39	3.23 ng/ul	9878220	Phenanthrene-d10	17.56

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	95
2	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	94
3	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	93
4	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	92
5	Anthracene, 2-methyl-	192	C15H12	000613-12-7	89





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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 Phenanthrene, 2-methyl- Concentration Rank 27

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.45	3.69 ng/ul	11274300	Phenanthrene-d10	17.56

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	95
2	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	91
3	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	90
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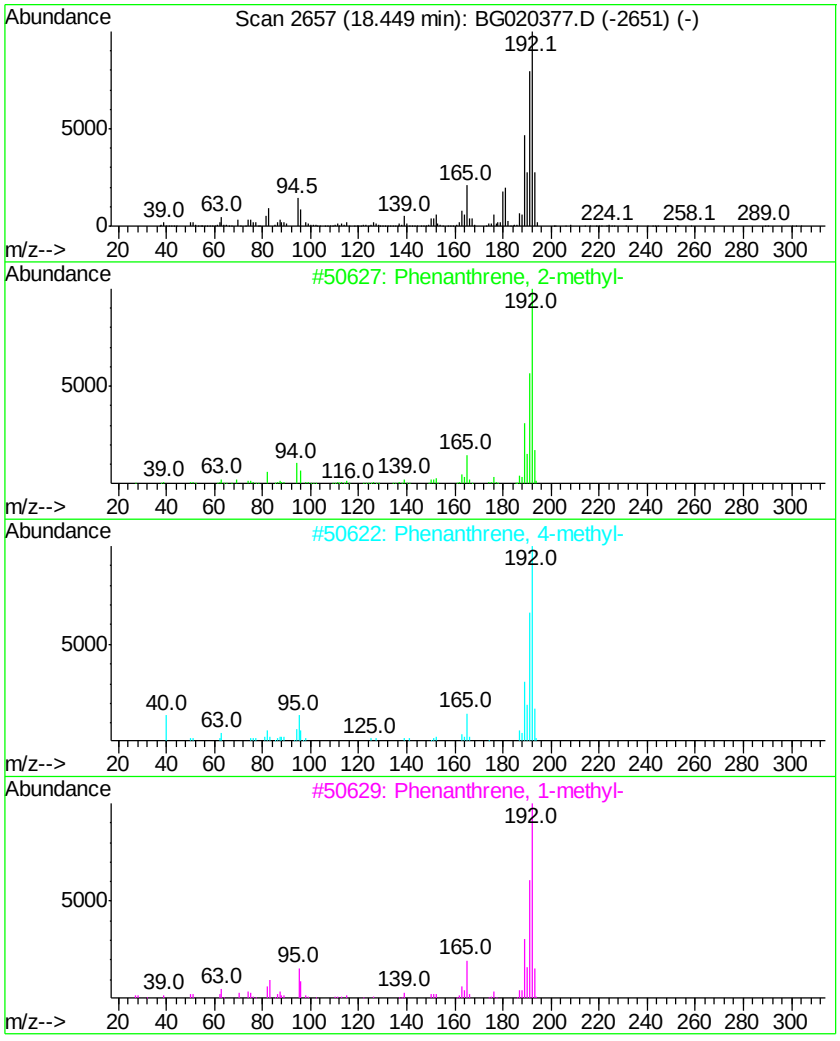

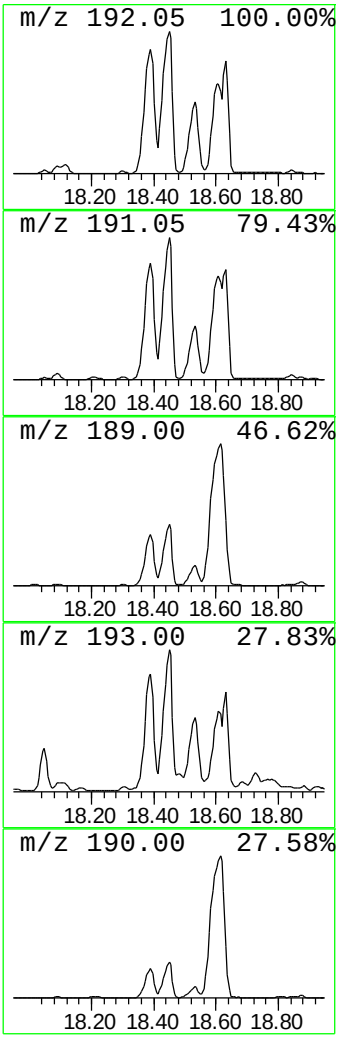

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Quant Title : SVOA CALIBRATION

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

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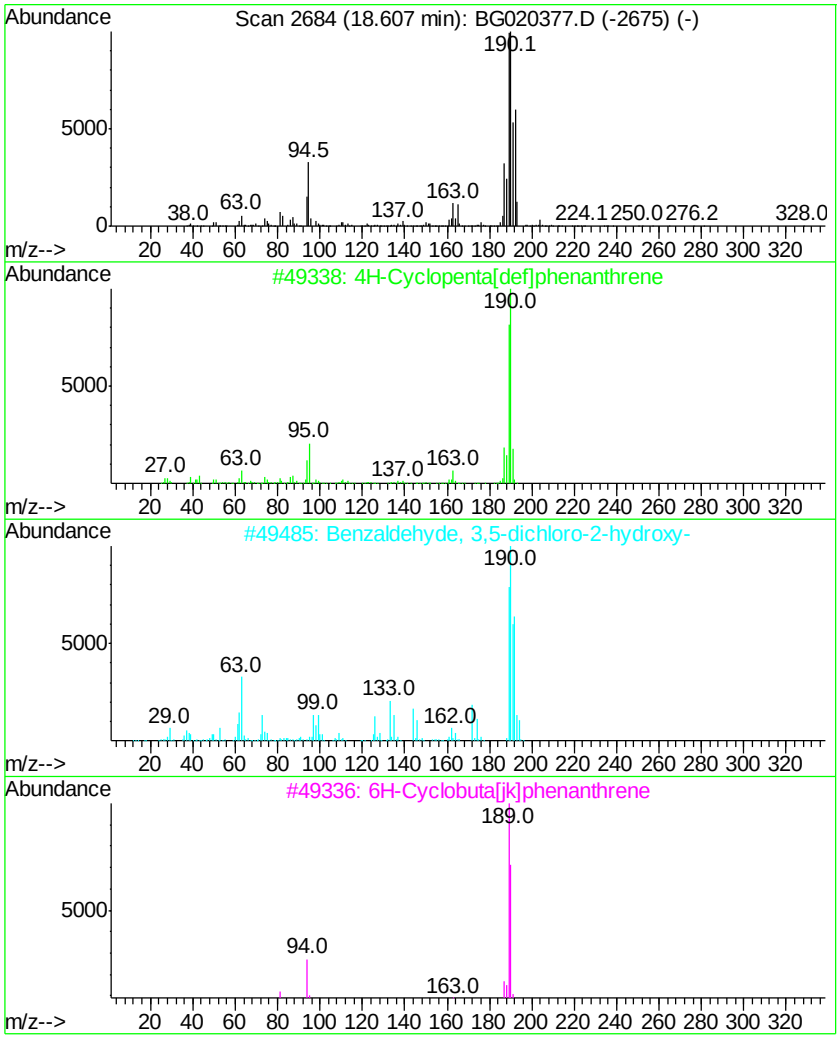
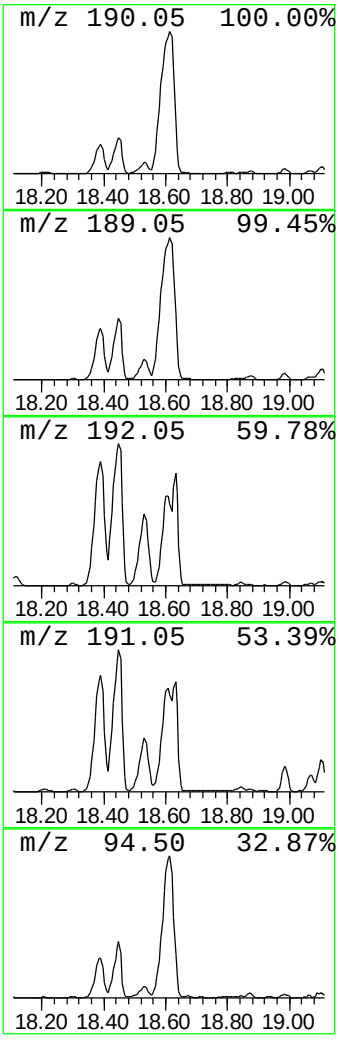
Peak Number 20 4H-Cyclopenta[def]phenanthrene Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.61	7.26 ng/ul	22217800	Phenanthrene-d10	17.56

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	53
2	Benzaldehyde, 3,5-dichloro-2-hyd...	190	C7H4Cl2O2	000090-60-8	50
3	6H-Cyclobuta[jk]phenanthrene	190	C15H10	083469-43-6	50
4	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	20
5	1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	20





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Quant Title : SVOA CALIBRATION

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

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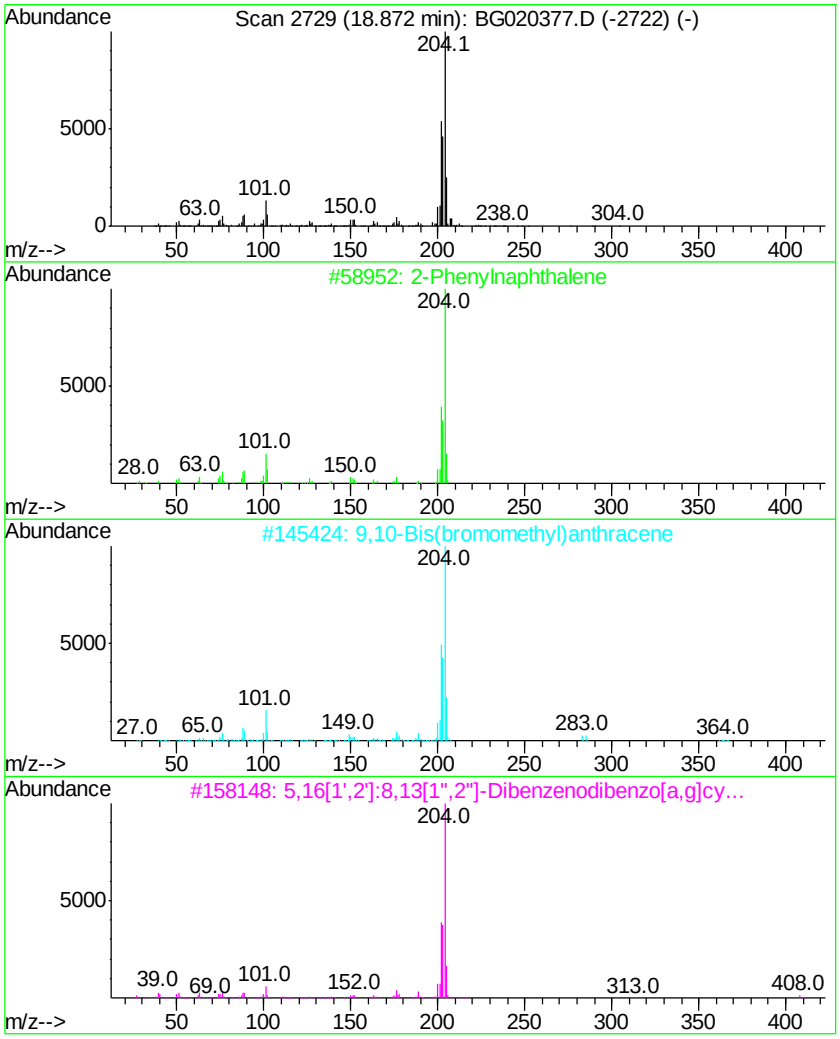
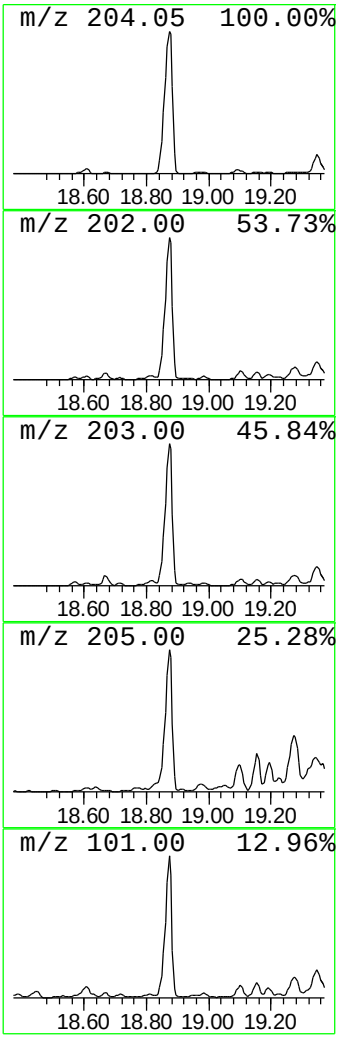
Peak Number 21 2-Phenylnaphthalene Concentration Rank 39

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.87	2.45 ng/ul	7482420	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	5,16[1',2']:8,13[1'',2'']-Dibenz...	408	C32H24	005672-97-9	80
4	1,2,4,8-Tetramethylbicyclo[6.3.0...	204	C15H24	137235-51-9	70
5	Tricyclo[8.2.2.2(4,7)]hexadeca-2...	204	C16H12	006572-60-7	60





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA G\DATA\BG122015\
Data File : BG020377.D
Acq On : 21 Dec 2015 13:31
Operator : UM/SJ
Sample : G4848-17
Misc :
ALS Vial : 42 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N63

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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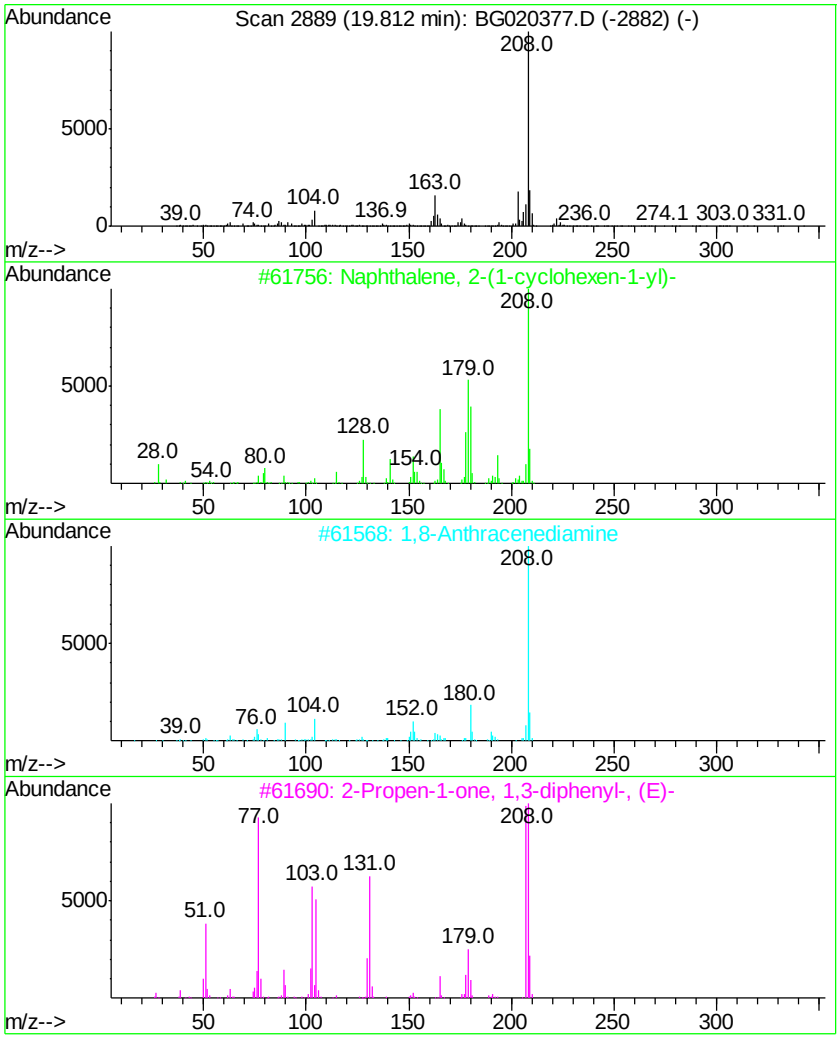
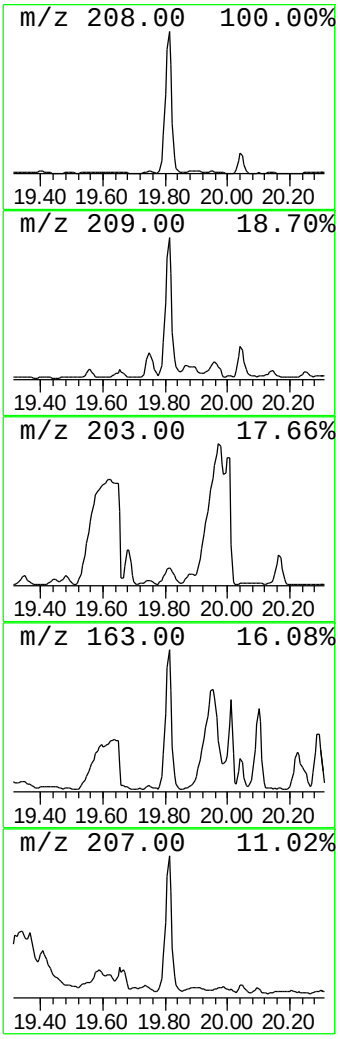
Peak Number 22 Naphthalene, 2-(1-cyclohexe... Concentration Rank 28

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.81	3.63 ng/ul	3349590	Chrysene-d12	21.80

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2-(1-cyclohexen-1-yl)-	208	C16H16	054607-03-3	64
2	1,8-Anthracenediamine	208	C14H12N2	139312-39-3	59
3	2-Propen-1-one, 1,3-diphenyl-, (E)-	208	C15H12O	000614-47-1	53
4	Thiourea, N-(1-methylpropyl)-N'-...	208	C11H16N2S	015093-37-5	53
5	Thiourea, N-(2-methylpropyl)-N'-...	208	C11H16N2S	016275-53-9	53





Library Search Compound Report

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Data File : BG020377.D
Acq On : 21 Dec 2015 13:31
Operator : UM/SJ
Sample : G4848-17
Misc :
ALS Vial : 42 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N63

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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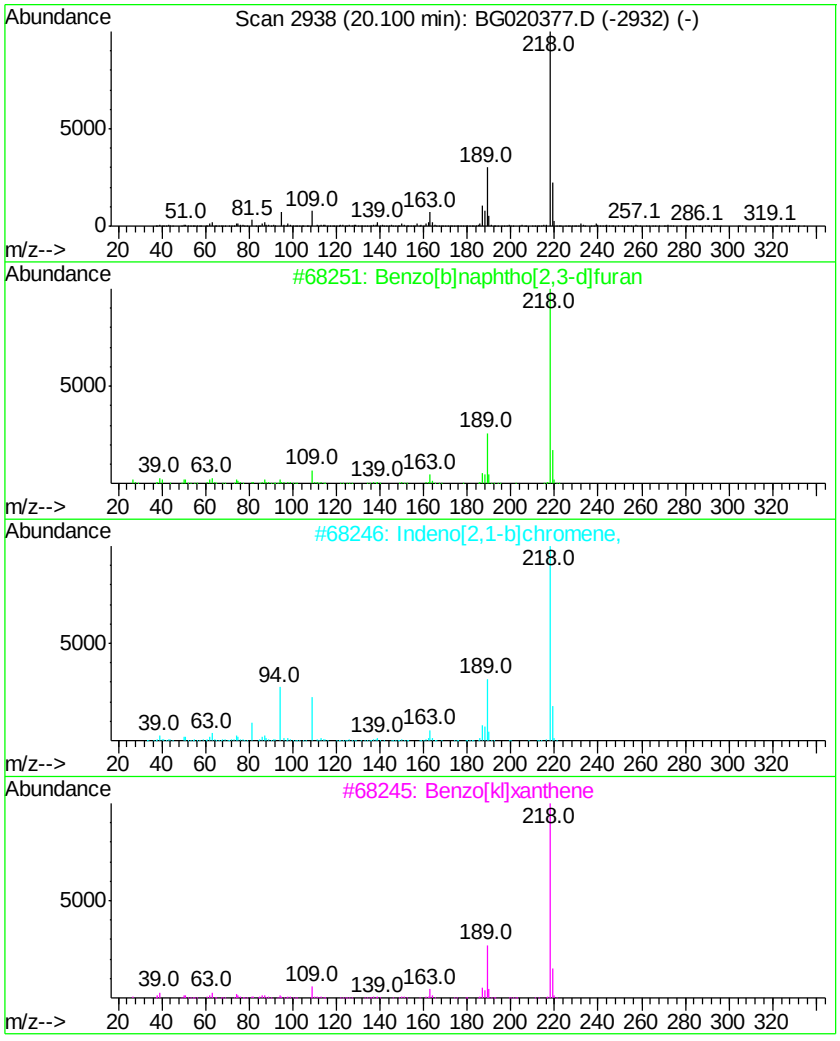
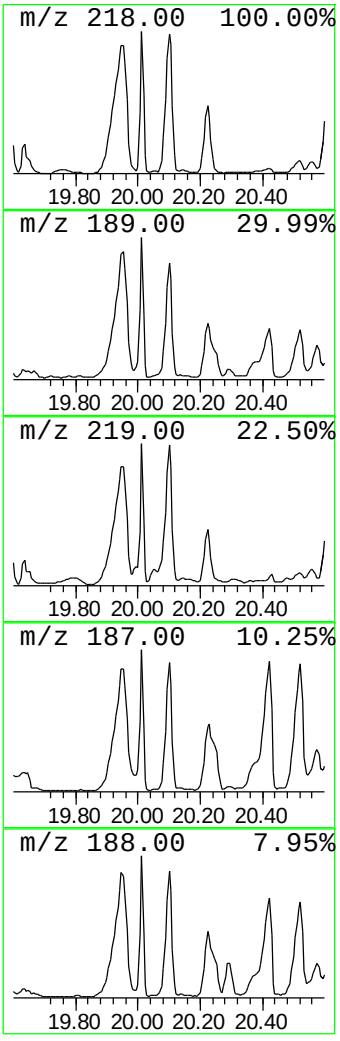
Peak Number 23 Benzo[b]naphtho[2,3-d]furan Concentration Rank 24

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.10	4.11 ng/ul	3794760	Chrysene-d12	21.80

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[b]naphtho[2,3-d]furan	218	C16H10O	000243-42-5	96
2	Indeno[2,1-b]chromene,	218	C16H10O	000243-24-3	94
3	Benzo[kl]xanthene	218	C16H10O	000200-23-7	94
4	Benzo[b]naphtho[2,3-d]furan	218	C16H10O	000243-42-5	94
5	Benzo[b]naphtho[2,3-d]furan	218	C16H10O	000243-42-5	93





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Data File : BG020377.D
Acq On : 21 Dec 2015 13:31
Operator : UM/SJ
Sample : G4848-17
Misc :
ALS Vial : 42 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N63

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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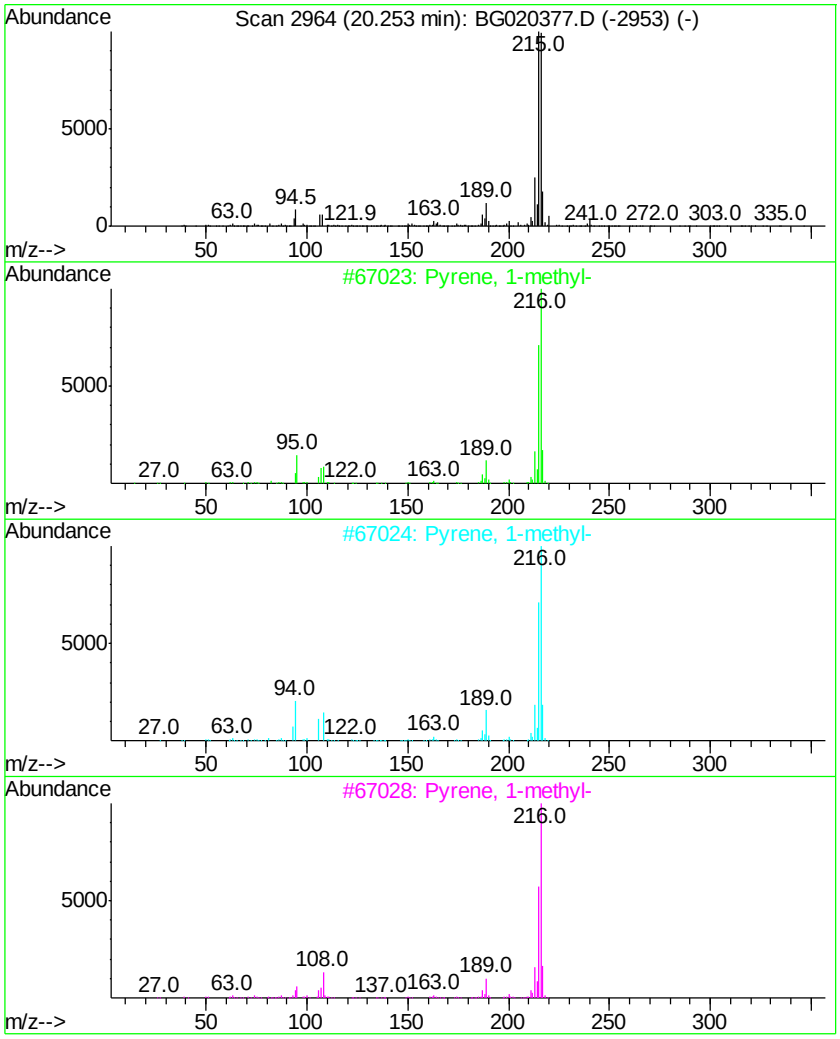
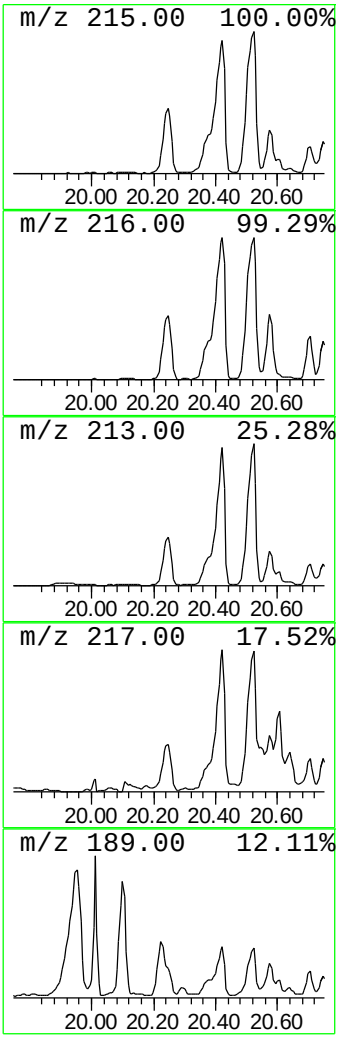
Peak Number 24 Pyrene, 1-methyl- Concentration Rank 22

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.25	5.87 ng/ul	5418930	Chrysene-d12	21.80

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene, 1-methyl-	216	C17H12	002381-21-7	95
2	Pyrene, 1-methyl-	216	C17H12	002381-21-7	95
3	Pyrene, 1-methyl-	216	C17H12	002381-21-7	93
4	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	91
5	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	91





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Sample : G4848-17
Misc :
ALS Vial : 42 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N63

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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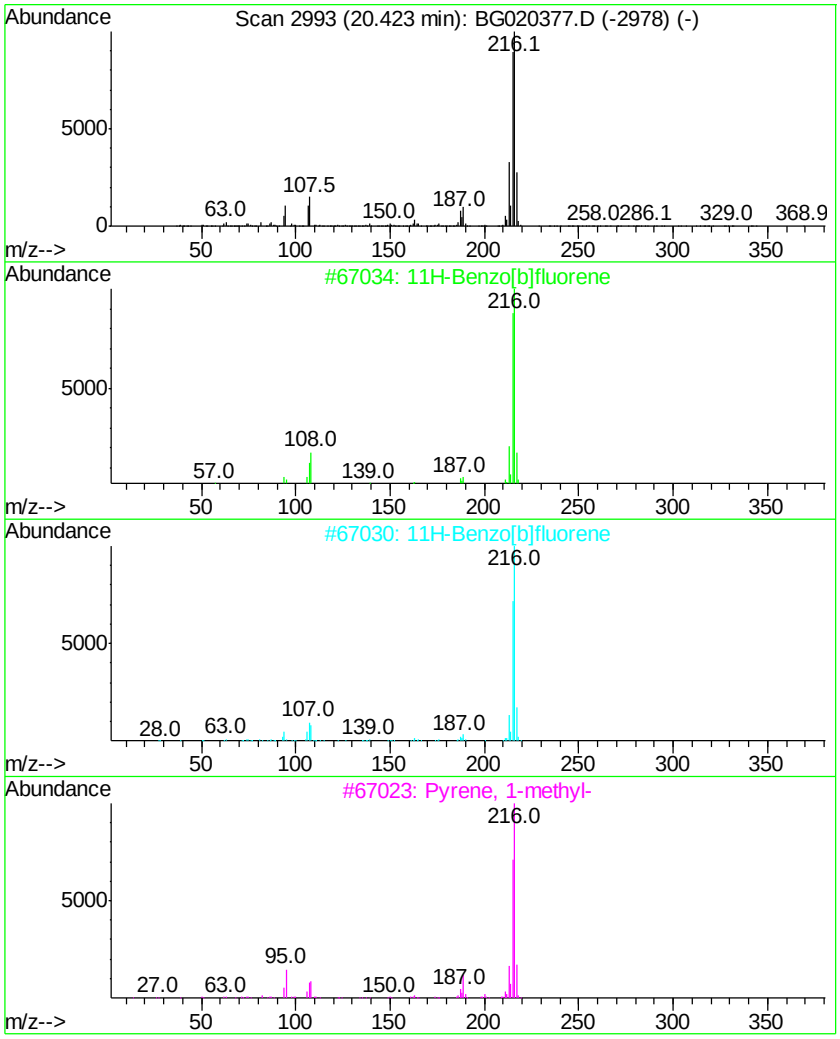
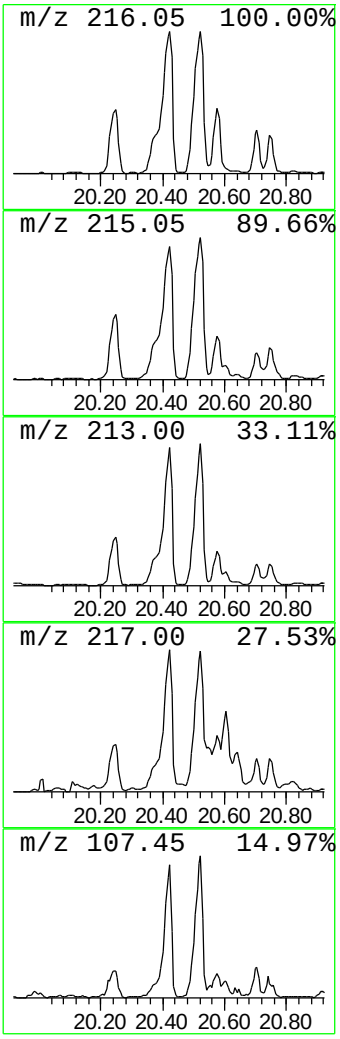
Peak Number 25 11H-Benzo[b]fluorene Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.42	13.26 ng/ul	12231300	Chrysene-d12	21.80

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	91
2	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	90
3	Pyrene, 1-methyl-	216	C17H12	002381-21-7	87
4	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	87
5	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	81





Library Search Compound Report

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Acq On : 21 Dec 2015 13:31
Operator : UM/SJ
Sample : G4848-17
Misc :
ALS Vial : 42 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N63

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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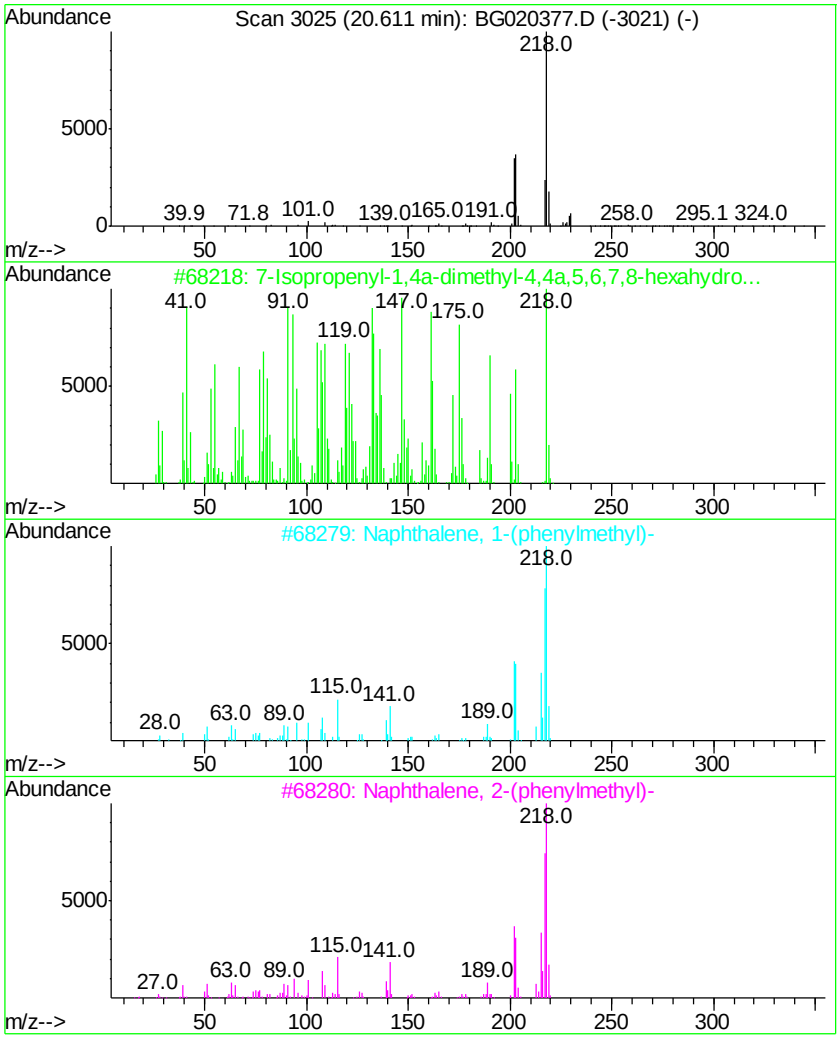
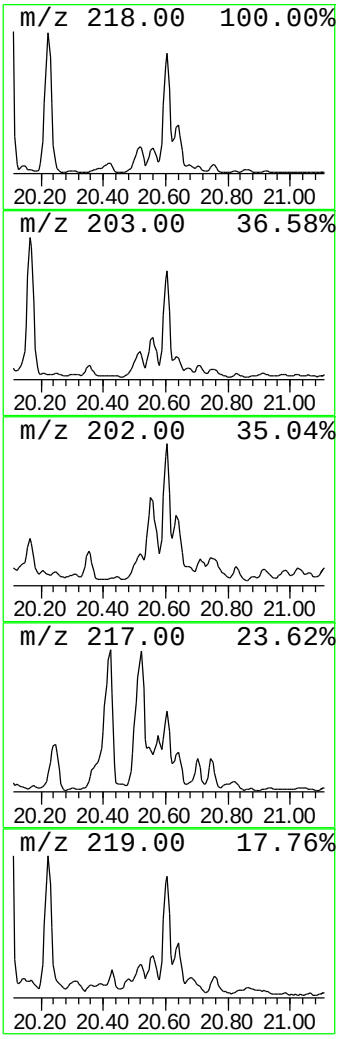
Peak Number 28 7-Isopropenyl-1,4a-dimethyl... Concentration Rank 33

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.61	2.68 ng/ul	2472170	Chrysene-d12	21.80

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	Naphthalene, 2-(phenylmethyl)-	218	C17H14	000613-59-2	72
4	9-Phenyl-5H-benzocycloheptene	218	C17H14	138089-71-1	72
5	1,2,3,4-Tetrahydro-1-phenyl-1,2,...	218	C17H14	138089-69-7	72





Tentatively Identified Compound (LSC) summary

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Data File : BG020377.D
Acq On : 21 Dec 2015 13:31
Operator : UM/SJ
Sample : G4848-17
Misc :
ALS Vial : 42 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N63

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
Naphthalene, 1-me...	12.82	8.3	ng/ul	10071300	2	10.93	24277800	20.0
Naphthalene, 1-et...	13.77	22.1	ng/ul	3381280	3	14.75	3060690	20.0
Naphthalene, 2,6-...	13.92	38.7	ng/ul	5915950	3	14.75	3060690	20.0
Naphthalene, 2,7-...	14.07	36.4	ng/ul	5576010	3	14.75	3060690	20.0
Naphthalene, 2,3-...	14.29	15.1	ng/ul	2309510	3	14.75	3060690	20.0
1-Isopropenylnaph...	15.05	11.9	ng/ul	1825870	3	14.75	3060690	20.0
Naphthalene, 2,3,...	15.35	6.9	ng/ul	1049400	3	14.75	3060690	20.0
Benzene, [1-(2,4-...	15.93	16.1	ng/ul	2470360	3	14.75	3060690	20.0
Acetamide, N-cycl...	15.97	32.1	ng/ul	4905710	3	14.75	3060690	20.0
Nordiphenamid	16.05	19.1	ng/ul	2914800	3	14.75	3060690	20.0
[1,1'-Biphenyl]-4...	16.09	30.8	ng/ul	4705560	3	14.75	3060690	20.0
9H-Fluorene, 2-me...	16.79	2.2	ng/ul	6638210	4	17.56	61183600	20.0
Dibenzothiophene	17.33	3.2	ng/ul	9761590	4	17.56	61183600	20.0
Phenanthrene, 1-m...	18.39	3.2	ng/ul	9878220	4	17.56	61183600	20.0
Phenanthrene, 2-m...	18.45	3.7	ng/ul	11274300	4	17.56	61183600	20.0
4H-Cyclopenta[def...	18.61	7.3	ng/ul	22217800	4	17.56	61183600	20.0
2-Phenylnaphthalene	18.87	2.5	ng/ul	7482420	4	17.56	61183600	20.0
Naphthalene, 2-(1...	19.81	3.6	ng/ul	3349590	5	21.80	18447500	20.0
Benzo[b]naphtho[2...	20.10	4.1	ng/ul	3794760	5	21.80	18447500	20.0
Pyrene, 1-methyl-	20.25	5.9	ng/ul	5418930	5	21.80	18447500	20.0
11H-Benzo[b]fluorene	20.42	13.3	ng/ul	12231300	5	21.80	18447500	20.0
7-Isopropenyl-1,4...	20.61	2.7	ng/ul	2472170	5	21.80	18447500	20.0