LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA G\DATA\BG122015\
Data File : BG020374.D
Acq On : 21 Dec 2015 11:35
Operator : UM/SJ
Sample : G4848-04
Misc :
ALS Vial : 39 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N50

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	8.639	979	987	996	rVB	921491	1649090	3.27%	0.403%
2	11.036	1370	1395	1400	rVV	6780231	26676205	52.87%	6.524%
3	11.113	1402	1408	1414	rVV	701480	1158628	2.30%	0.283%
4	11.747	1508	1516	1523	rBV	456231	849092	1.68%	0.208%
5	12.605	1647	1662	1667	rBV	5509401	14604779	28.95%	3.572%
6	12.811	1682	1697	1703	rVV	3827685	7812056	15.48%	1.911%
7	13.574	1818	1827	1836	rVB	3033523	5320126	10.54%	1.301%
8	13.762	1852	1859	1870	rVB	1191208	2390203	4.74%	0.585%
9	13.915	1870	1885	1892	rBV	1576513	4414371	8.75%	1.080%
10	14.062	1901	1910	1914	rVV	1961531	4084032	8.09%	0.999%
11	14.115	1914	1919	1928	rVV2	1641589	2819105	5.59%	0.689%
12	14.291	1943	1949	1952	rVV	894604	1494539	2.96%	0.366%
13	14.456	1965	1977	1987	rBV2	1201583	2377526	4.71%	0.581%
14	14.732	2018	2024	2030	rVV	1512224	2565683	5.09%	0.627%
15	14.849	2030	2044	2048	rVV2	7397485	24256687	48.08%	5.932%
16	14.885	2048	2050	2054	rVV	745498	938371	1.86%	0.229%
17	14.937	2054	2059	2069	rVV	396704	1031395	2.04%	0.252%
18	15.043	2069	2077	2083	rVV3	827031	1620319	3.21%	0.396%
19	15.172	2087	2099	2103	rVV2	5813449	16089600	31.89%	3.935%
20	15.208	2103	2105	2114	rVB	544009	659164	1.31%	0.161%
21	15.343	2121	2128	2133	rBV2	454160	828319	1.64%	0.203%
22	15.396	2133	2137	2149	rVV2	488689	796909	1.58%	0.195%
23	15.513	2149	2157	2160	rVV	331016	718473	1.42%	0.176%
24	15.719	2188	2192	2197	rVV2	482794	925133	1.83%	0.226%
25	15.831	2197	2211	2215	rVV	6596355	20038460	39.72%	4.901%
26	15.889	2215	2221	2223	rVV	768420	1345458	2.67%	0.329%
27	15.919	2223	2226	2228	rVV	1305540	1824959	3.62%	0.446%
28	15.954	2228	2232	2237	rVV3	2055139	3731101	7.40%	0.913%
29	16.001	2237	2240	2243	rVV2	590389	977539	1.94%	0.239%
30	16.036	2243	2246	2249	rVV	1168260	1767600	3.50%	0.432%
31	16.077	2249	2253	2261	rVV	2236907	3591217	7.12%	0.878%
32	16.230	2268	2279	2286	rVV	2246325	5603078	11.11%	1.370%
33	16.312	2290	2293	2298	rVB	476244	656070	1.30%	0.160%
34	16.571	2327	2337	2343	rBV	1448576	2286640	4.53%	0.559%

LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA G\DATA\BG122015\
Data File : BG020374.D
Acq On : 21 Dec 2015 11:35
Operator : UM/SJ
Sample : G4848-04
Misc :
ALS Vial : 39 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N50

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	16.653	2343	2351	2360	rBV6	226928	663084	1.31%	0.162%
36	16.782	2360	2373	2378	rBV2	1837762	4368023	8.66%	1.068%
37	16.835	2378	2382	2386	rVV2	618983	888582	1.76%	0.217%
38	16.929	2392	2398	2403	rVB3	751703	1317543	2.61%	0.322%
39	17.006	2408	2411	2414	rVV	399259	557397	1.10%	0.136%
40	17.047	2414	2418	2422	rVB2	489369	683970	1.36%	0.167%
41	17.223	2441	2448	2455	rBV3	770993	1933782	3.83%	0.473%
42	17.311	2456	2463	2477	rVB	3145975	5821985	11.54%	1.424%
43	17.623	2491	2516	2519	rBV2	9444414	50453826	100.00%	12.340%
44	17.670	2519	2524	2535	rVB	3802802	6096359	12.08%	1.491%
45	17.905	2555	2564	2569	rBV2	2112998	4314210	8.55%	1.055%
46	17.999	2575	2580	2586	rBV4	805980	1339117	2.65%	0.328%
47	18.069	2587	2592	2600	rVB4	416659	1003949	1.99%	0.246%
48	18.204	2608	2615	2624	rVB	358723	866784	1.72%	0.212%
49	18.369	2632	2643	2647	rBV	2854126	5489071	10.88%	1.342%
50	18.422	2647	2652	2657	rVB	4062629	6653034	13.19%	1.627%
51	18.504	2657	2666	2671	rBV	1303187	2576460	5.11%	0.630%
52	18.580	2671	2679	2687	rVV3	4826008	12315965	24.41%	3.012%
53	18.792	2711	2715	2720	rVV3	312333	613544	1.22%	0.150%
54	18.856	2720	2726	2731	rVV	2707685	4051919	8.03%	0.991%
55	18.921	2732	2737	2742	rVV4	366250	615390	1.22%	0.151%
56	19.091	2761	2766	2770	rVB3	573202	833176	1.65%	0.204%
57	19.138	2770	2774	2777	rBV	482494	579067	1.15%	0.142%
58	19.180	2777	2781	2786	rVB	415648	525933	1.04%	0.129%
59	19.262	2789	2795	2800	rBV	863767	1642676	3.26%	0.402%
60	19.332	2803	2807	2815	rVB2	553355	1151779	2.28%	0.282%
61	19.420	2815	2822	2828	rBV4	197242	636252	1.26%	0.156%
62	19.597	2834	2852	2855	rBV	8665734	31666414	62.76%	7.745%
63	19.644	2855	2860	2866	rVB4	410635	935444	1.85%	0.229%
64	19.785	2872	2884	2888	rBV	938626	1674669	3.32%	0.410%
65	19.920	2896	2907	2910	rBV2	7997955	20725294	41.08%	5.069%
66	20.073	2928	2933	2938	rVB	1310850	1866445	3.70%	0.456%
67	20.137	2938	2944	2950	rVB	332664	587526	1.16%	0.144%
68	20.225	2950	2959	2963	rBV2	1130422	2911828	5.77%	0.712%
69	20.272	2963	2967	2974	rVV	621902	856783	1.70%	0.210%
70	20.355	2974	2981	2982	rVV2	817148	1388573	2.75%	0.340%
71	20.396	2983	2988	2992	rVV	3161646	4857285	9.63%	1.188%

LSC Area Percent Report

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Data File : BG020374.D
Acq On : 21 Dec 2015 11:35
Operator : UM/SJ
Sample : G4848-04
Misc :
ALS Vial : 39 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N50

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	20.496	2996	3005	3008	rBV	3502987	6005742	11.90%	1.469%
73	20.549	3008	3014	3017	rVV2	1245995	2662116	5.28%	0.651%
74	20.578	3017	3019	3023	rVV	875546	1177352	2.33%	0.288%
75	20.619	3023	3026	3031	rVV2	448368	709381	1.41%	0.173%
76	20.684	3033	3037	3040	rVV	696625	1008398	2.00%	0.247%
77	20.725	3041	3044	3055	rVB2	707496	1326929	2.63%	0.325%
78	20.901	3070	3074	3078	rVV	612235	855188	1.69%	0.209%
79	20.972	3082	3086	3089	rVV2	330748	609664	1.21%	0.149%
80	21.007	3089	3092	3102	rVB4	509739	1046598	2.07%	0.256%
81	21.095	3102	3107	3113	rBV	430096	944260	1.87%	0.231%
82	21.148	3113	3116	3122	rVV4	295581	526287	1.04%	0.129%
83	21.336	3140	3148	3151	rBV	1078683	1808493	3.58%	0.442%
84	21.377	3151	3155	3159	rVV	1023185	1659048	3.29%	0.406%
85	21.430	3159	3164	3168	rVV2	1023141	1718724	3.41%	0.420%
86	21.612	3186	3195	3204	rBV	312668	848010	1.68%	0.207%
87	21.759	3207	3220	3225	rVV2	3986550	9736863	19.30%	2.381%
88	21.829	3225	3232	3242	rVB	3347514	7061960	14.00%	1.727%
89	21.970	3250	3256	3264	rBV	993412	1770241	3.51%	0.433%
90	22.176	3284	3291	3297	rVV3	561406	1205066	2.39%	0.295%
91	22.493	3337	3345	3351	rVV	470899	1172090	2.32%	0.287%
92	22.781	3388	3394	3397	rVV	245920	536139	1.06%	0.131%
93	22.828	3398	3402	3409	rVB3	385689	768653	1.52%	0.188%
94	24.015	3591	3604	3610	rBV2	1056291	3871184	7.67%	0.947%
95	24.256	3637	3645	3654	rVB	233528	561752	1.11%	0.137%
96	24.744	3718	3728	3735	rBV	457600	1341438	2.66%	0.328%
97	24.902	3746	3755	3766	rVV	819247	2271081	4.50%	0.555%
98	25.032	3766	3777	3784	rVV3	177559	683719	1.36%	0.167%
99	25.120	3785	3792	3806	rVB2	218278	688918	1.37%	0.168%
100	28.768	4398	4413	4435	rVB4	154763	938682	1.86%	0.230%

Sum of corrected areas: 408879041

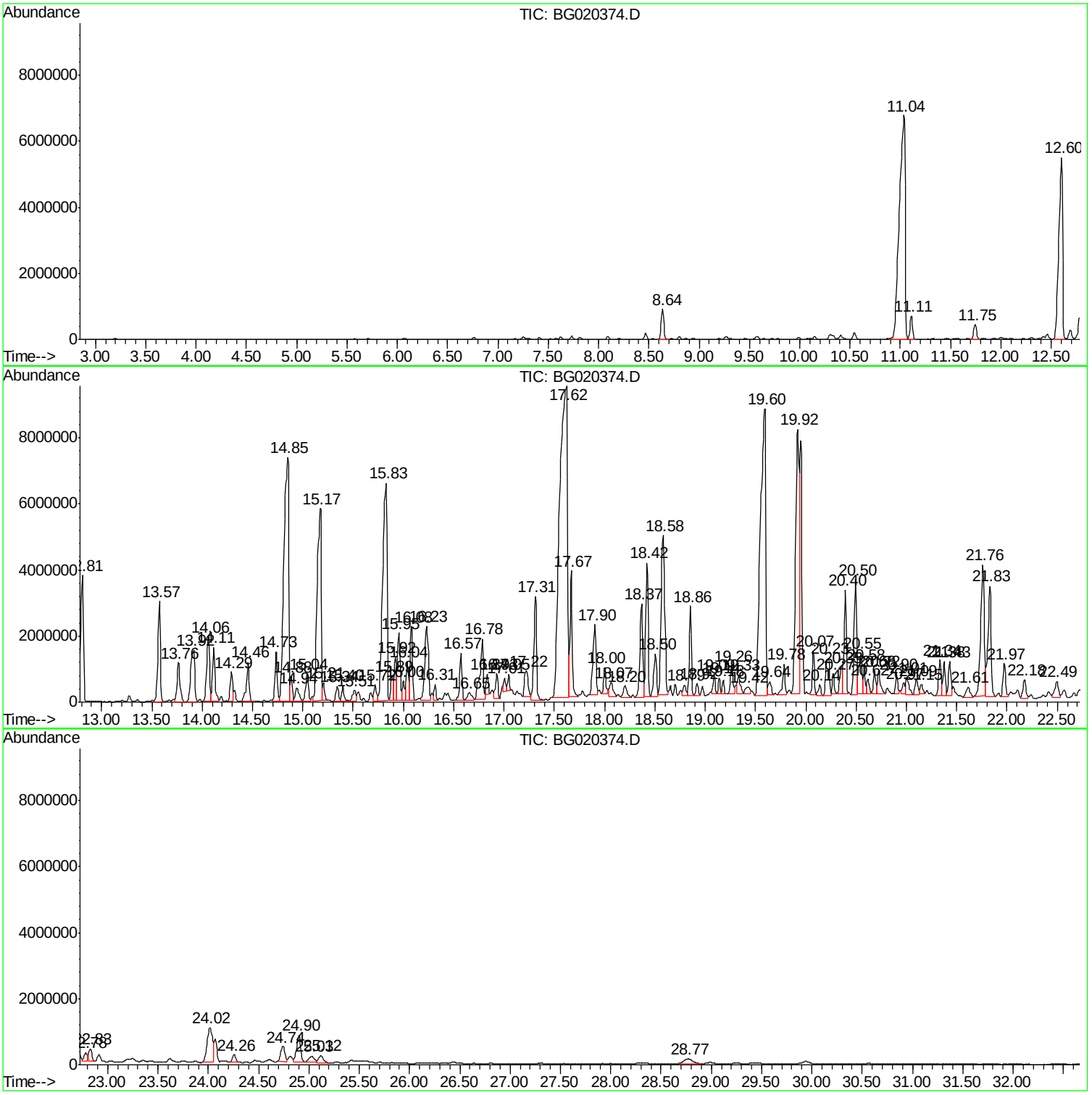
LSC Report - Integrated Chromatogram

Data Path : Z:\HPCHEM1\BNA G\DATA\BG122015\
Data File : BG020374.D
Acq On : 21 Dec 2015 11:35
Operator : UM/SJ
Sample : G4848-04
Misc :
ALS Vial : 39 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N50

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 : BG020374.D
Acq On : 21 Dec 2015 11:35
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

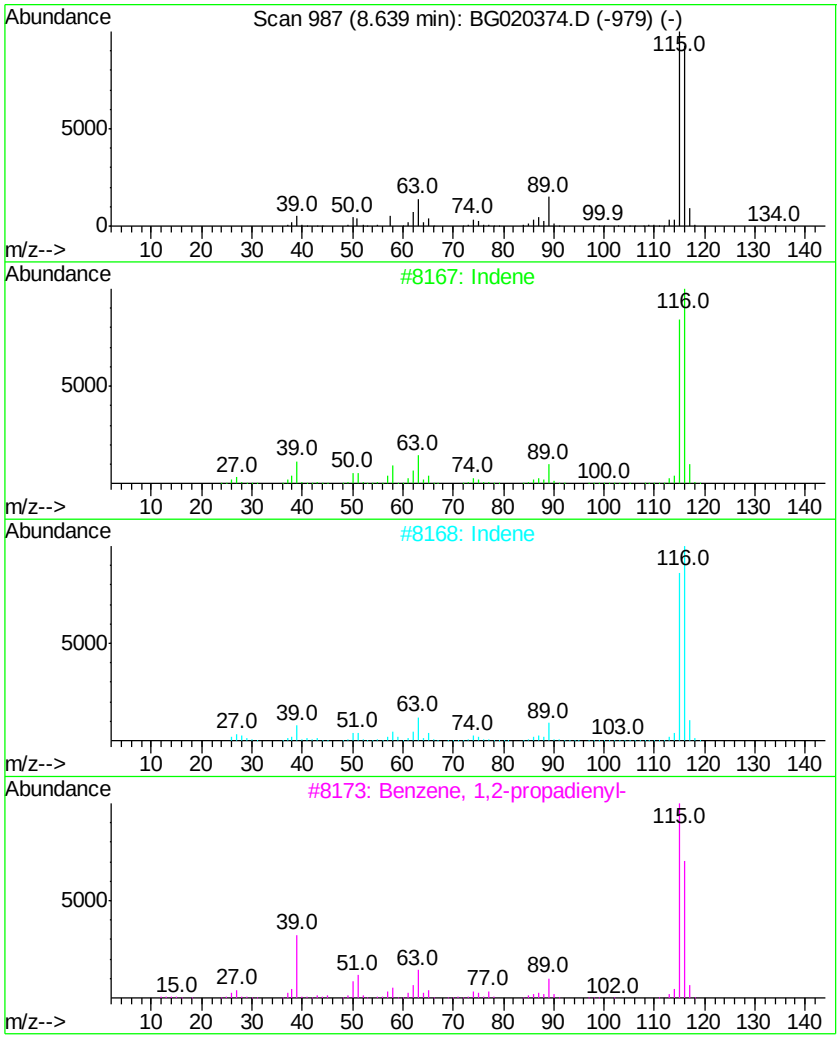
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

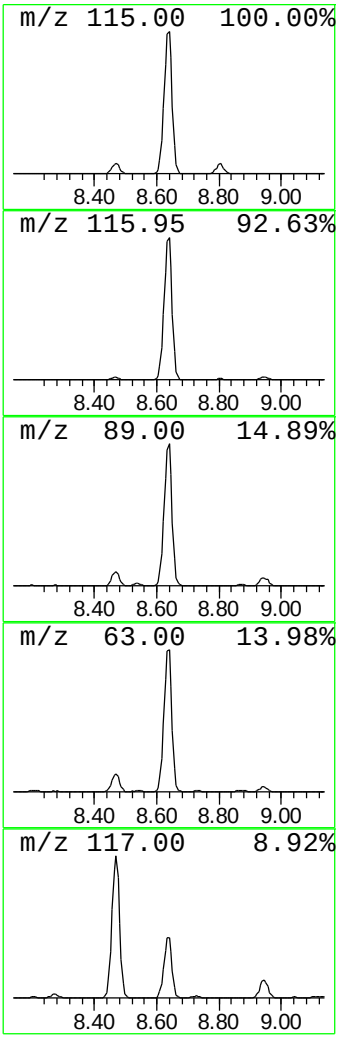
****

Peak Number 1 Indene Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.64	20.00 ng/ul	1649090	1,4-Dichlorobenzene-d4	8.09

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Indene	116	C9H8	000095-13-6	95
2	Indene	116	C9H8	000095-13-6	95
3	Benzene, 1,2-propadienyl-	116	C9H8	002327-99-3	91
4	Indene	116	C9H8	000095-13-6	91
5	Benzene, 1-propynyl-	116	C9H8	000673-32-5	91





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA G\DATA\BG122015\
Data File : BG020374.D
Acq On : 21 Dec 2015 11:35
Operator : UM/SJ
Sample : G4848-04
Misc :
ALS Vial : 39 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N50

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

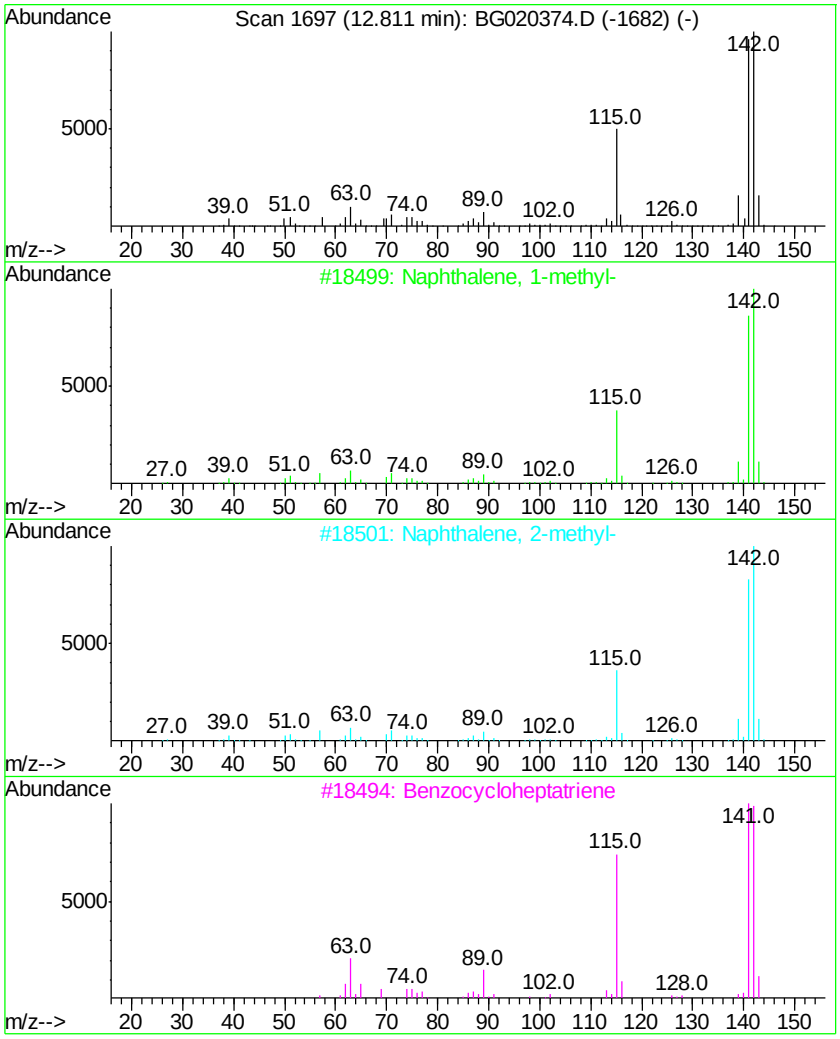
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

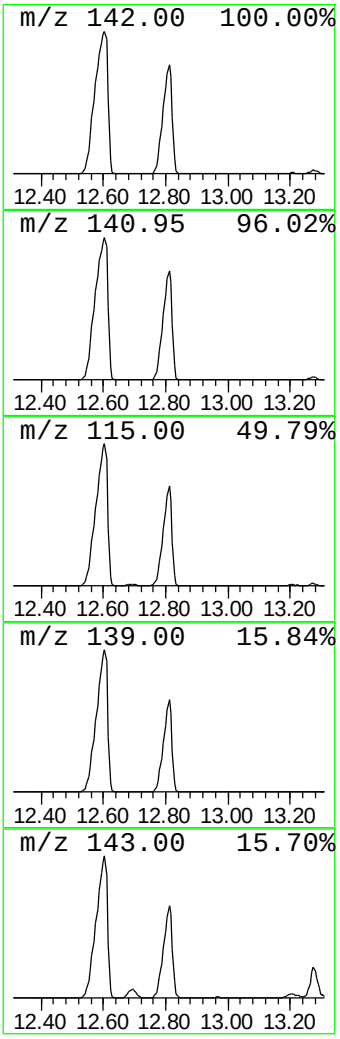
****

Peak Number 2 Naphthalene, 1-methyl- Concentration Rank 21

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.81	5.86 ng/ul	7812060	Naphthalene-d8	10.94

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1-methyl-	142	C11H10	000090-12-0	96
2	Naphthalene, 2-methyl-	142	C11H10	000091-57-6	96
3	Benzocycloheptatriene	142	C11H10	000264-09-5	95
4	1,4-Methanonaphthalene, 1,4-dihy...	142	C11H10	004453-90-1	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 : BG020374.D
Acq On : 21 Dec 2015 11:35
Operator : UM/SJ
Sample : G4848-04
Misc :
ALS Vial : 39 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N50

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

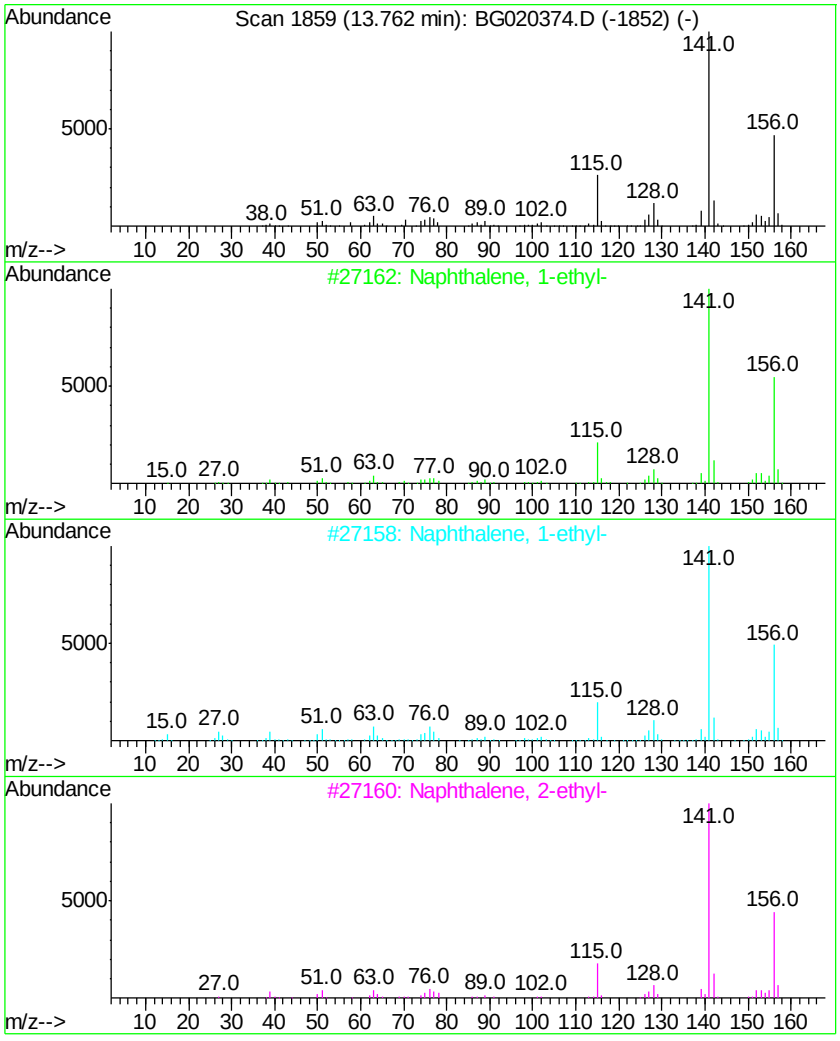
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

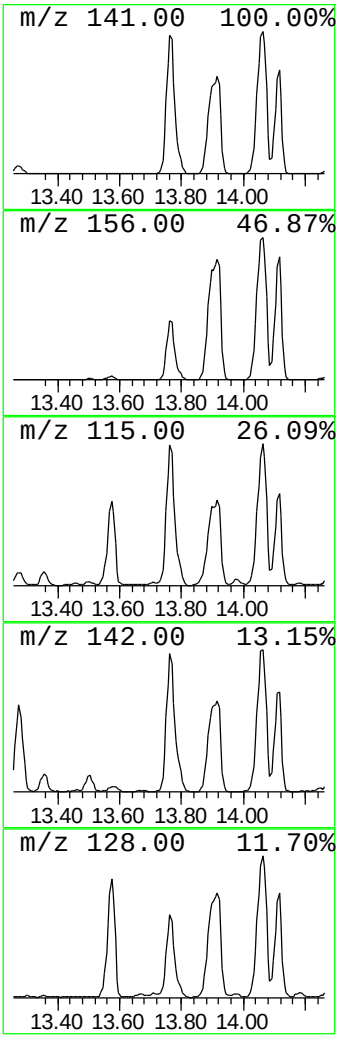
****

Peak Number 3 Naphthalene, 1-ethyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.76	18.63 ng/ul	2390200	Acenaphthene-d10	14.74

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	91
5	Naphthalene, 1-ethyl-	156	C12H12	001127-76-0	91





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA G\DATA\BG122015\
Data File : BG020374.D
Acq On : 21 Dec 2015 11:35
Operator : UM/SJ
Sample : G4848-04
Misc :
ALS Vial : 39 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N50

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

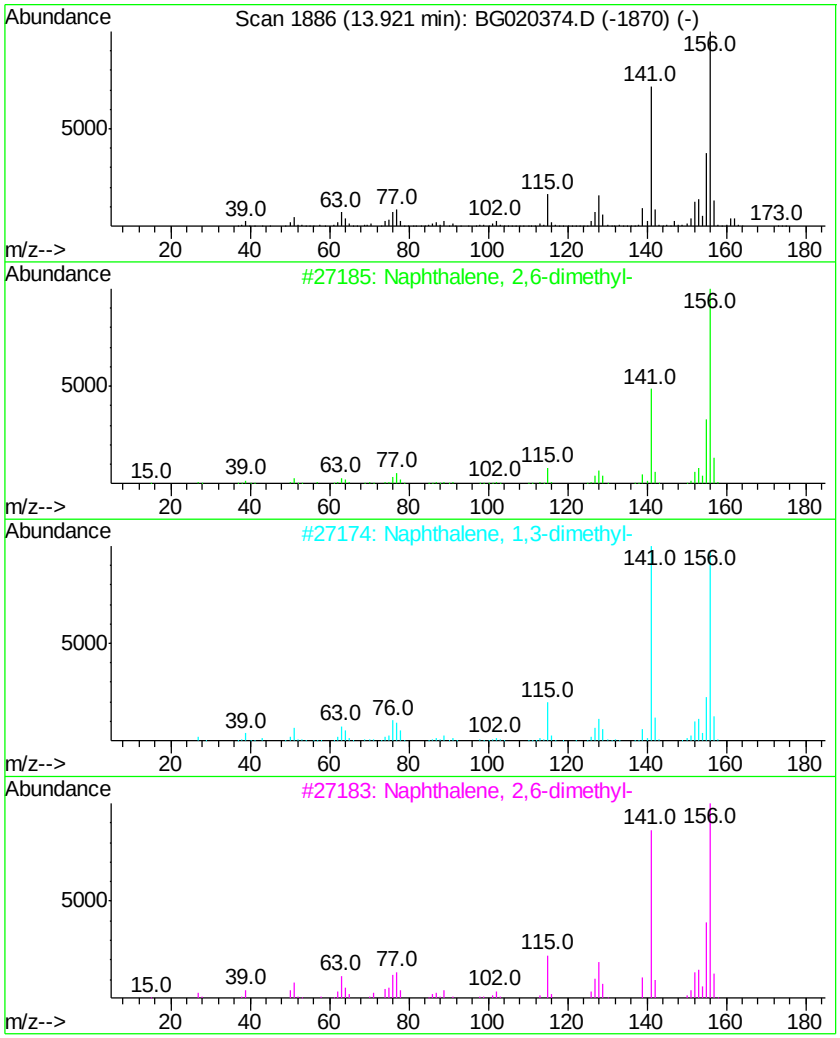
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

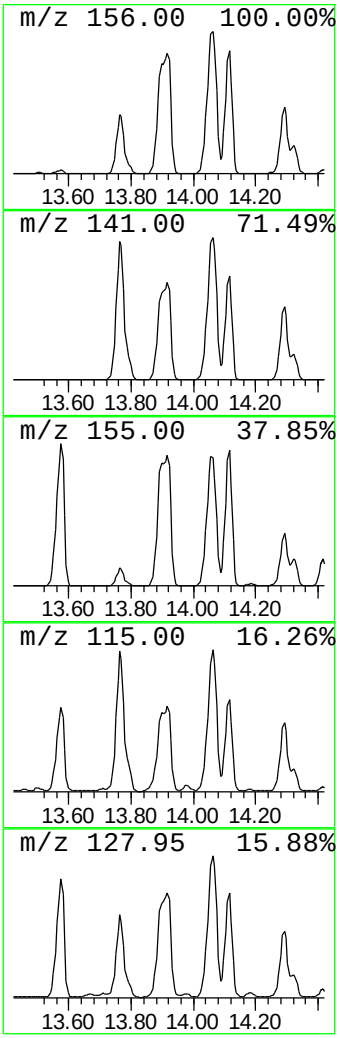
****

Peak Number 4 Naphthalene, 2,6-dimethyl- Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.92	34.41 ng/ul	4414370	Acenaphthene-d10	14.74

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2,6-dimethyl-	156	C12H12	000581-42-0	97
2	Naphthalene, 1,3-dimethyl-	156	C12H12	000575-41-7	96
3	Naphthalene, 2,6-dimethyl-	156	C12H12	000581-42-0	96
4	Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	95
5	Naphthalene, 2,6-dimethyl-	156	C12H12	000581-42-0	95





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA G\DATA\BG122015\
Data File : BG020374.D
Acq On : 21 Dec 2015 11:35
Operator : UM/SJ
Sample : G4848-04
Misc :
ALS Vial : 39 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N50

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

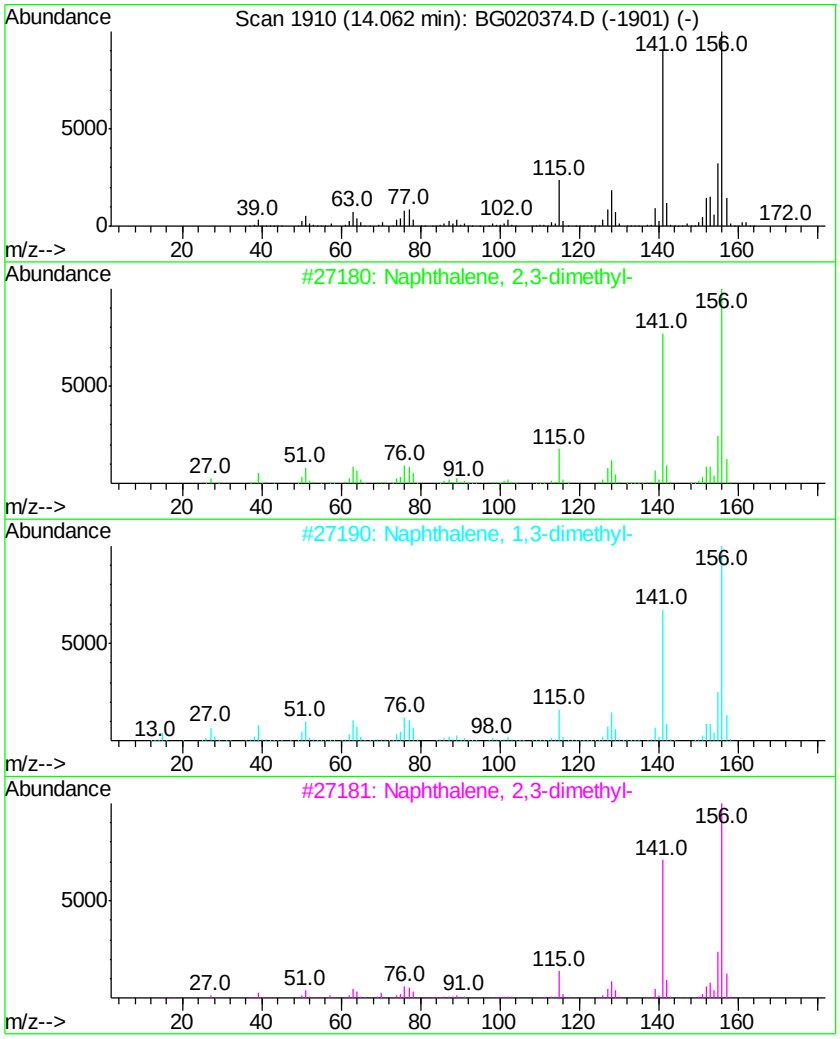
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

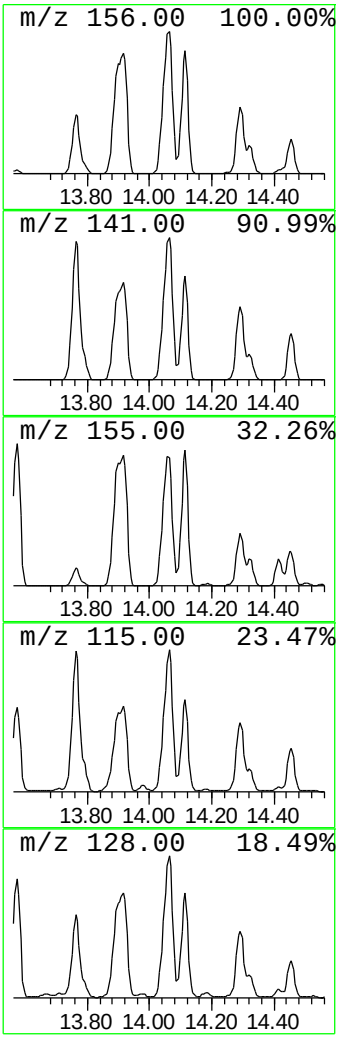
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.06	31.84 ng/ul	4084030	Acenaphthene-d10	14.74

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	97
2	Naphthalene, 1,3-dimethyl-	156	C12H12	000575-41-7	97
3	Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	97
4	Naphthalene, 1,4-dimethyl-	156	C12H12	000571-58-4	96
5	Naphthalene, 2,6-dimethyl-	156	C12H12	000581-42-0	96





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Acq On : 21 Dec 2015 11:35
Operator : UM/SJ
Sample : G4848-04
Misc :
ALS Vial : 39 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N50

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Quant Title : SVOA CALIBRATION

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

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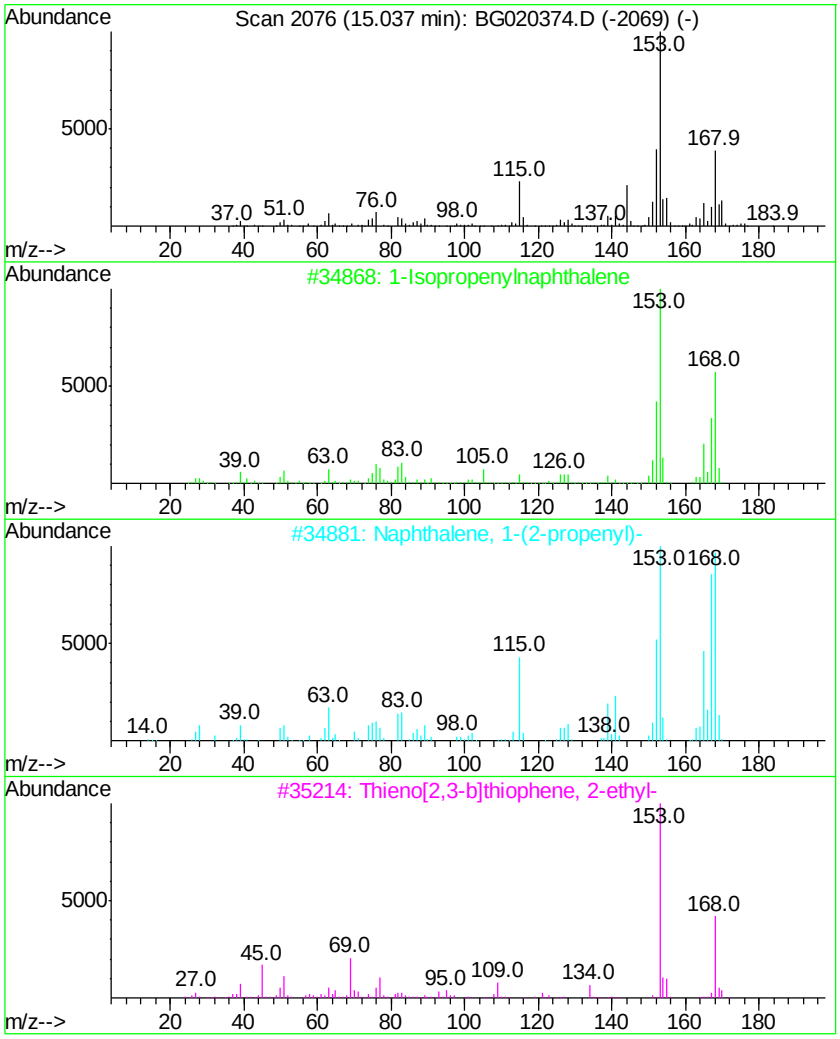
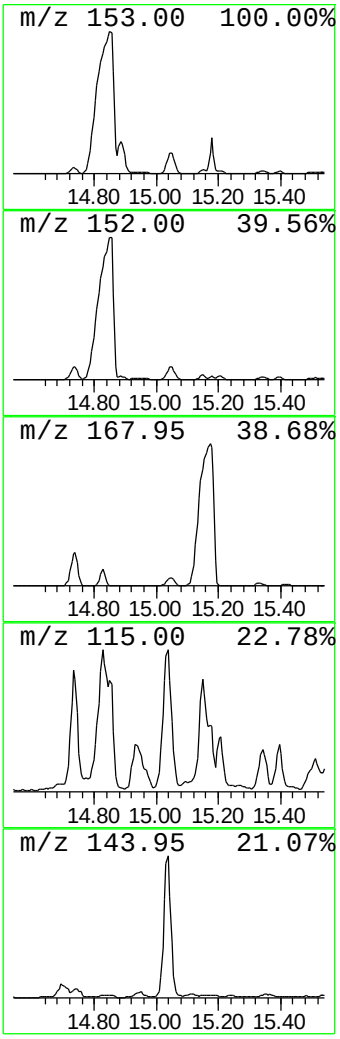
Peak Number 7 1-Isopropenylnaphthalene Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.04	12.63 ng/ul	1620320	Acenaphthene-d10	14.74

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Isopropenylnaphthalene	168	C13H12	001855-47-6	74
2	Naphthalene, 1-(2-propenyl)-	168	C13H12	002489-86-3	64
3	Thieno[2,3-b]thiophene, 2-ethyl-	168	C8H8S2	005912-01-6	47
4	4-Cyano-4-hydroxy-1,2,5-trimethy...	168	C9H16N2O	051871-79-5	43
5	Ethanone, 1-(2,4,6-trihydroxyphe...	168	C8H8O4	000480-66-0	43





Library Search Compound Report

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Instrument : BNA_G
ClientSampleId : D9N50

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Quant Title : SVOA CALIBRATION

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

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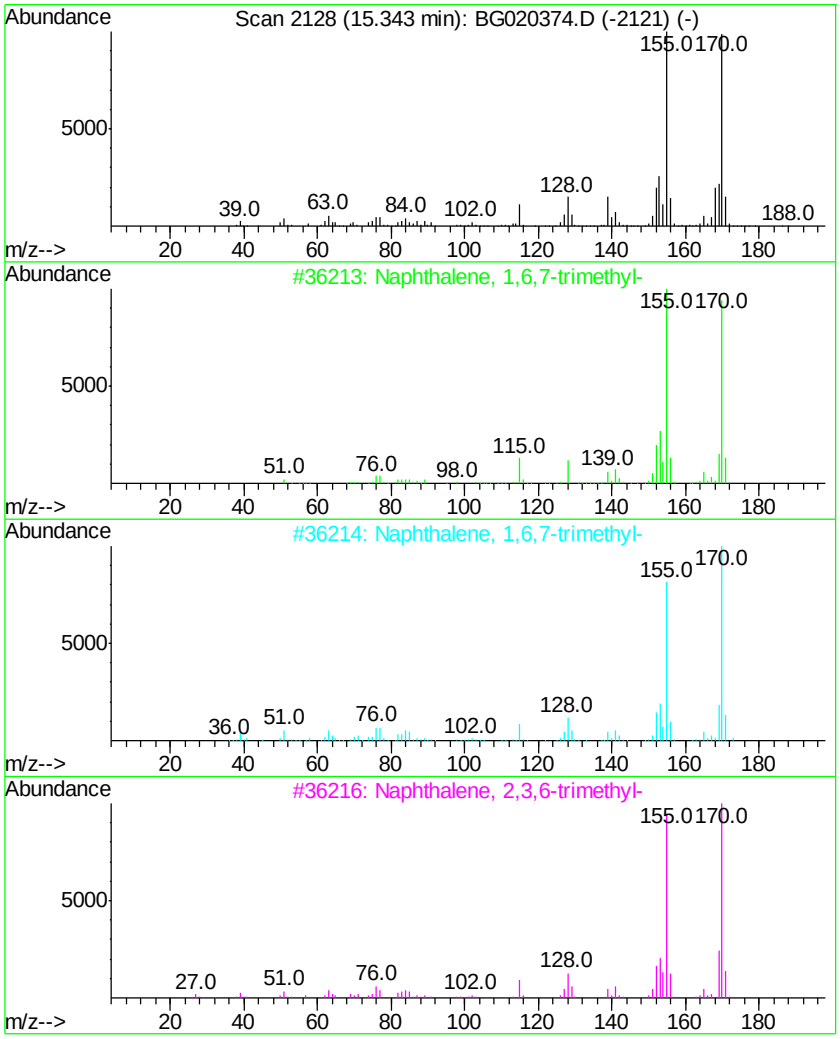
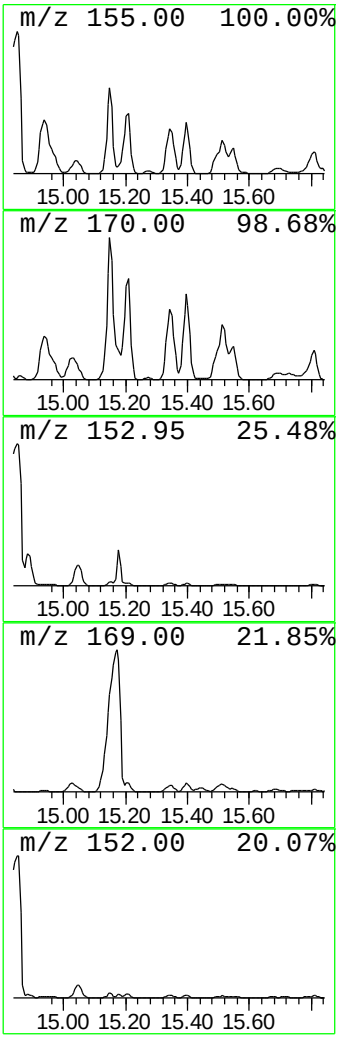
Peak Number 8 Naphthalene, 1,6,7-trimethyl- Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.34	6.46 ng/ul	828319	Acenaphthene-d10	14.74

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





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Instrument : BNA_G
ClientSampleId : D9N50

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Quant Title : SVOA CALIBRATION

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

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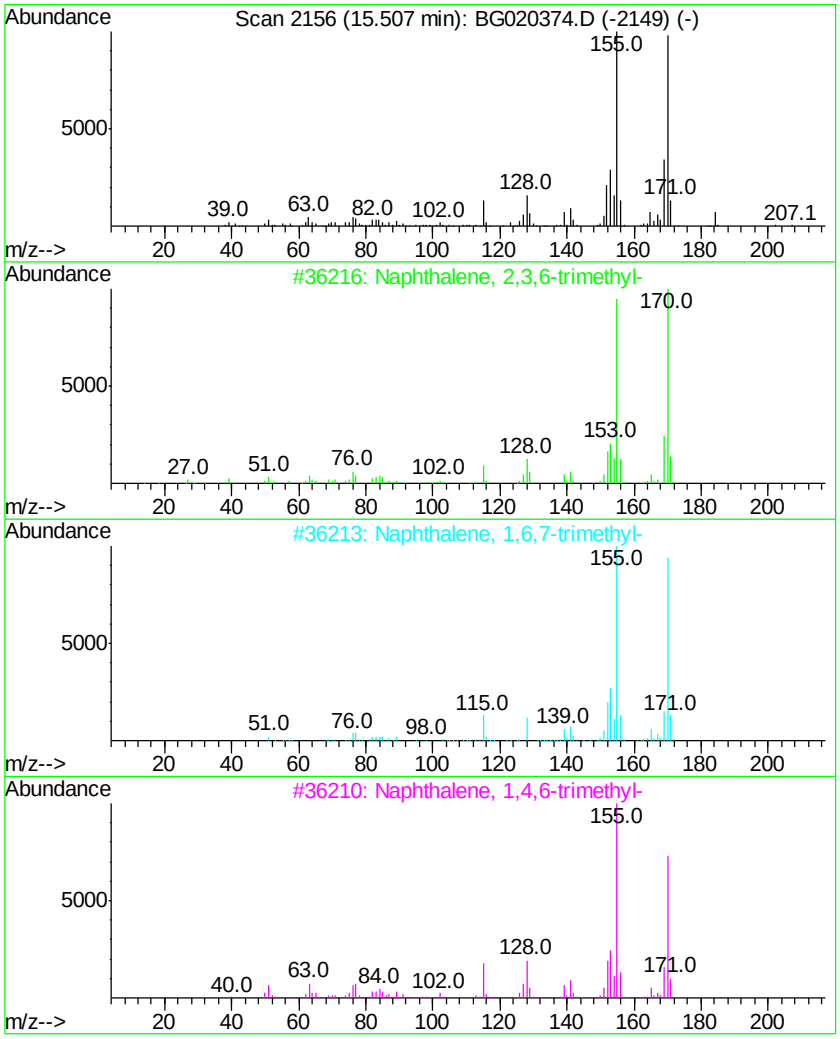
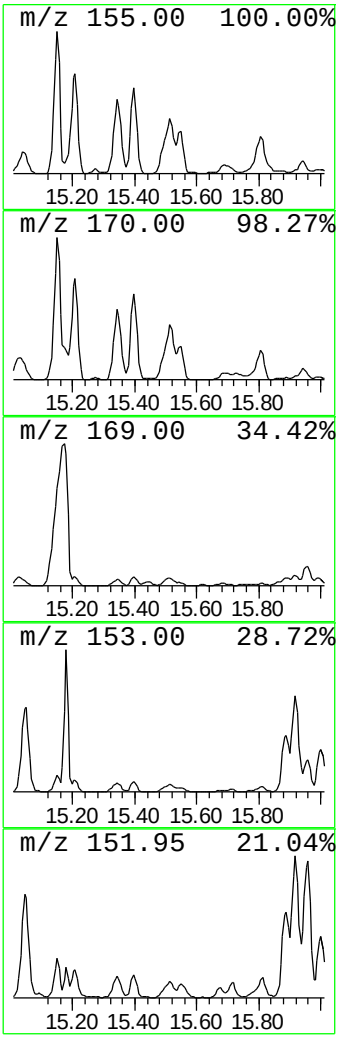
Peak Number 10 Naphthalene, 2,3,6-trimethyl- Concentration Rank 22

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.51	5.60 ng/ul	718473	Acenaphthene-d10	14.74

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	96
4	Naphthalene, 1,4,5-trimethyl-	170	C13H14	002131-41-1	96
5	Naphthalene, 1,6,7-trimethyl-	170	C13H14	002245-38-7	95





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Instrument : BNA_G
ClientSampleId : D9N50

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Quant Title : SVOA CALIBRATION

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

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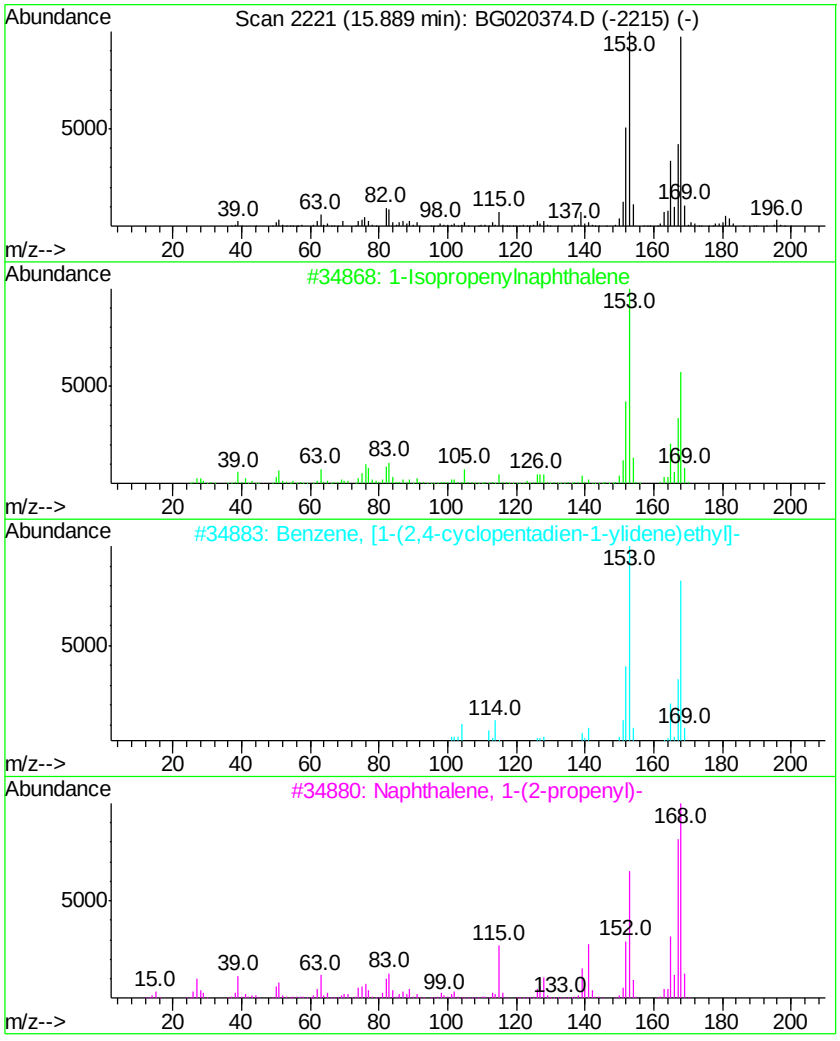
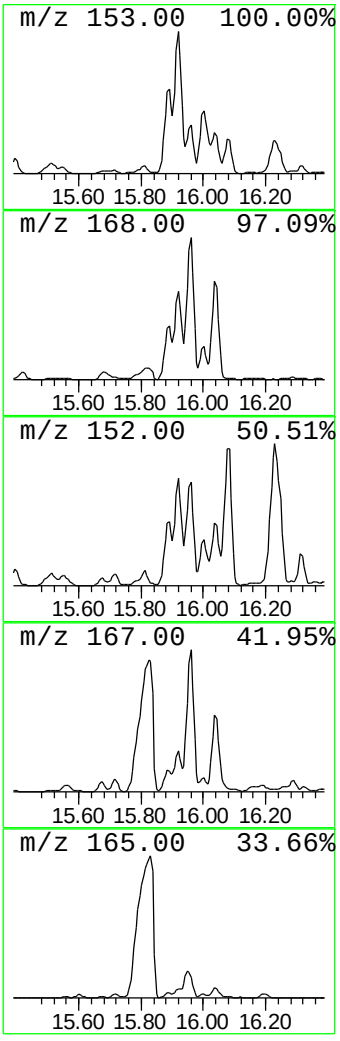
Peak Number 11 Benzene, [1-(2,4-cyclopenta... Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.89	10.49 ng/ul	1345460	Acenaphthene-d10	14.74

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	90
3	Naphthalene, 1-(2-propenyl)-	168	C13H12	002489-86-3	74
4	Naphthalene, 1-(2-propenyl)-	168	C13H12	002489-86-3	64
5	Naphthalene, 2-(1-methylethenyl)-	168	C13H12	003710-23-4	53





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Sample : G4848-04
Misc :
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Instrument : BNA_G
ClientSampleId : D9N50

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Quant Title : SVOA CALIBRATION

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

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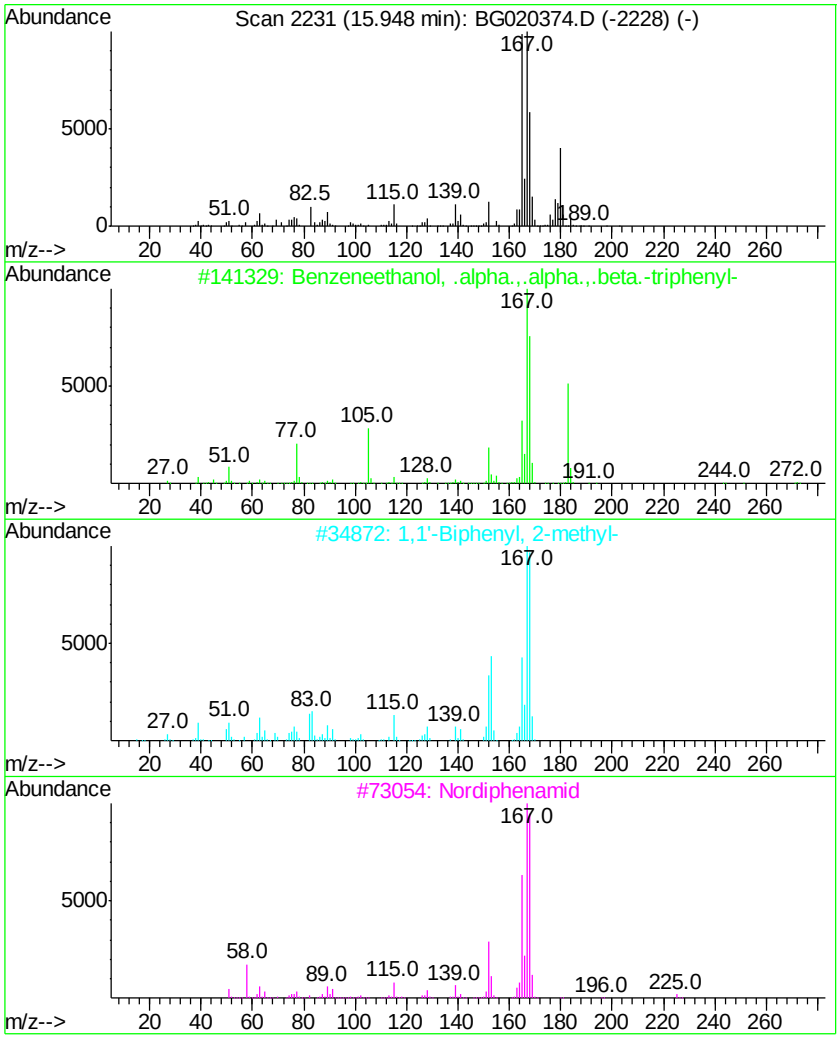
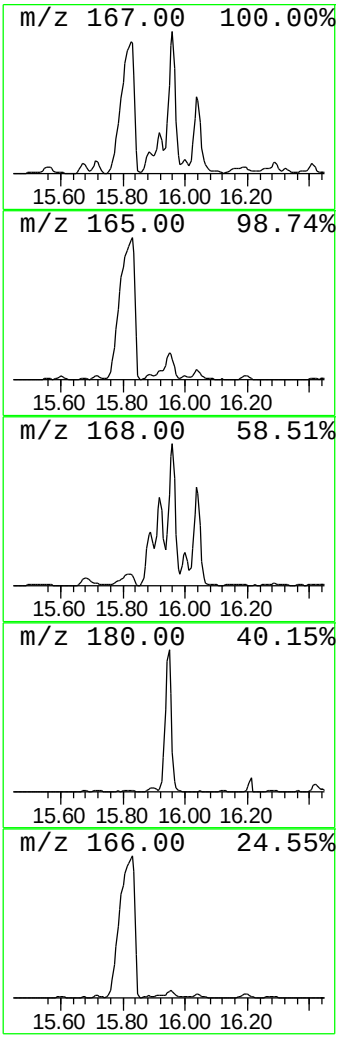
Peak Number 13 Benzeneethanol, .alpha.,.al... Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.95	29.08 ng/ul	3731100	Acenaphthene-d10	14.74

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzeneethanol, .alpha.,.alpha.,...	350	C26H22O	000981-24-8	64
2	1,1'-Biphenyl, 2-methyl-	168	C13H12	000643-58-3	58
3	Nordiphenamid	225	C15H15NO	000954-21-2	49
4	2-Propanone, 1,1-diphenyl-	210	C15H14O	000781-35-1	47
5	Benzene, 1,1'-(chloromethylene)bis-	202	C13H11Cl	000090-99-3	47





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Operator : UM/SJ
Sample : G4848-04
Misc :
ALS Vial : 39 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N50

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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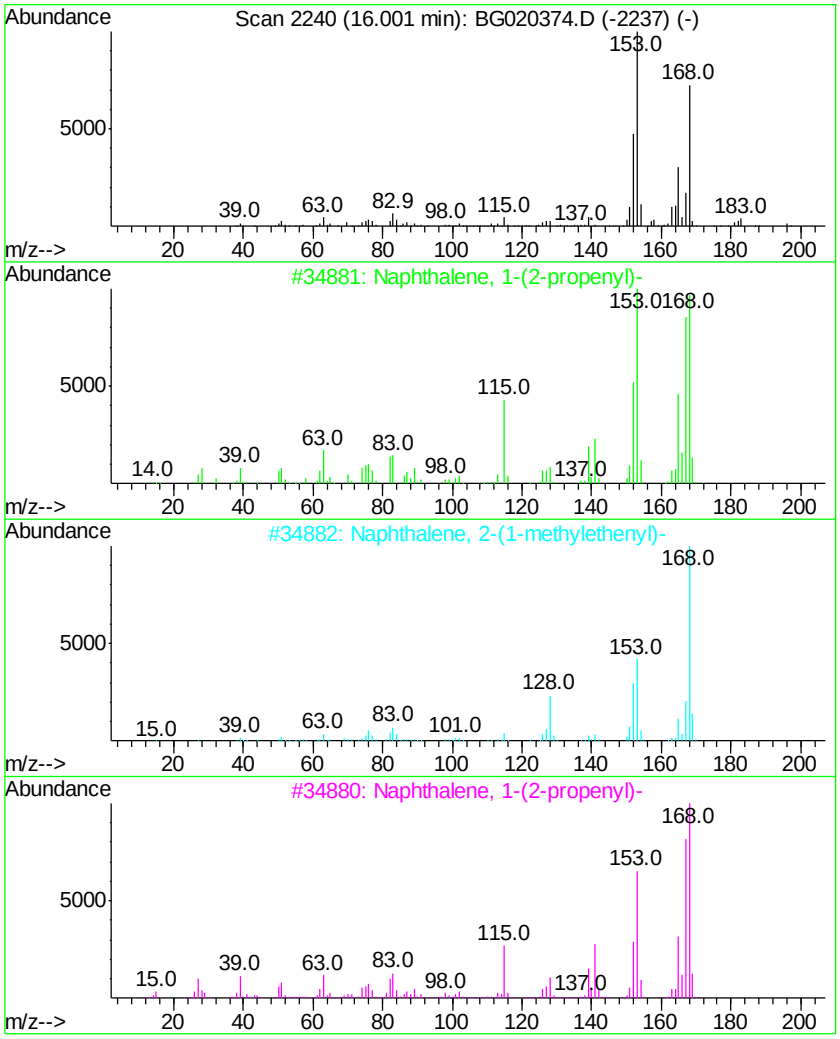
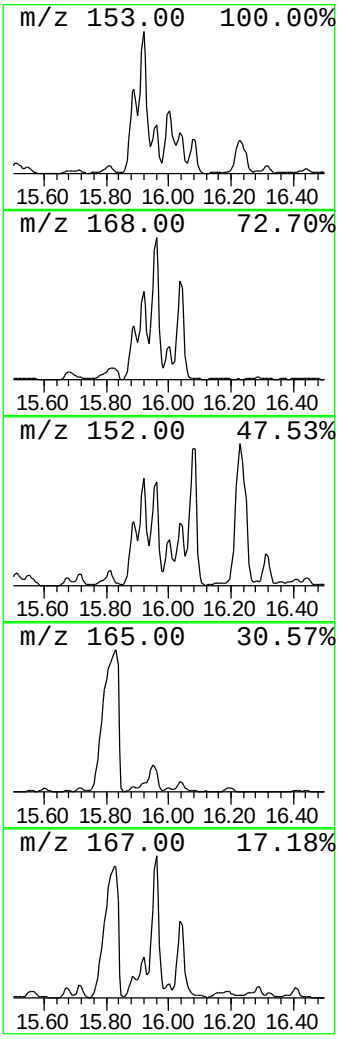
Peak Number 14 Naphthalene, 1-(2-propenyl)- Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.00	7.62 ng/ul	977539	Acenaphthene-d10	14.74

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1-(2-propenyl)-	168	C13H12	002489-86-3	72
2	Naphthalene, 2-(1-methylethenyl)-	168	C13H12	003710-23-4	58
3	Naphthalene, 1-(2-propenyl)-	168	C13H12	002489-86-3	50
4	Ethanone, 1-(2,3,4-trihydroxyphe...	168	C8H8O4	000528-21-2	43
5	Benzeneacetonitrile, 2,4-difluoro-	153	C8H5F2N	000656-35-9	43





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Misc :
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Instrument : BNA_G
ClientSampleId : D9N50

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Quant Title : SVOA CALIBRATION

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

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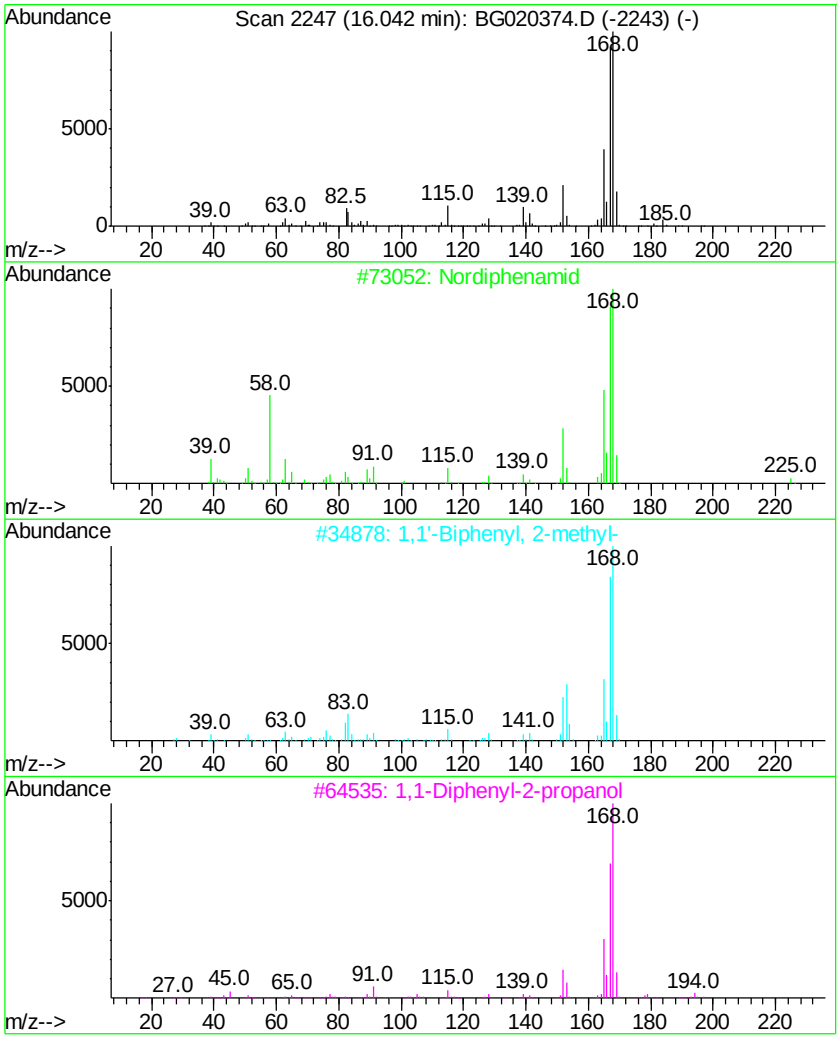
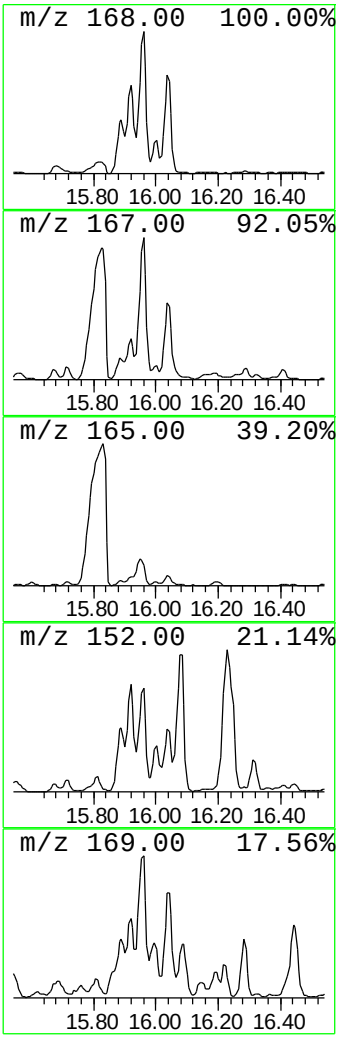
Peak Number 15 Nordiphenamid Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.04	13.78 ng/ul	1767600	Acenaphthene-d10	14.74

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Nordiphenamid	225	C15H15NO	000954-21-2	90
2	1,1'-Biphenyl, 2-methyl-	168	C13H12	000643-58-3	87
3	1,1-Diphenyl-2-propanol	212	C15H16O	029338-49-6	83
4	Diphenylmethane	168	C13H12	000101-81-5	83
5	Diphenylmethane	168	C13H12	000101-81-5	80





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Instrument : BNA_G
ClientSampleId : D9N50

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Quant Title : SVOA CALIBRATION

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

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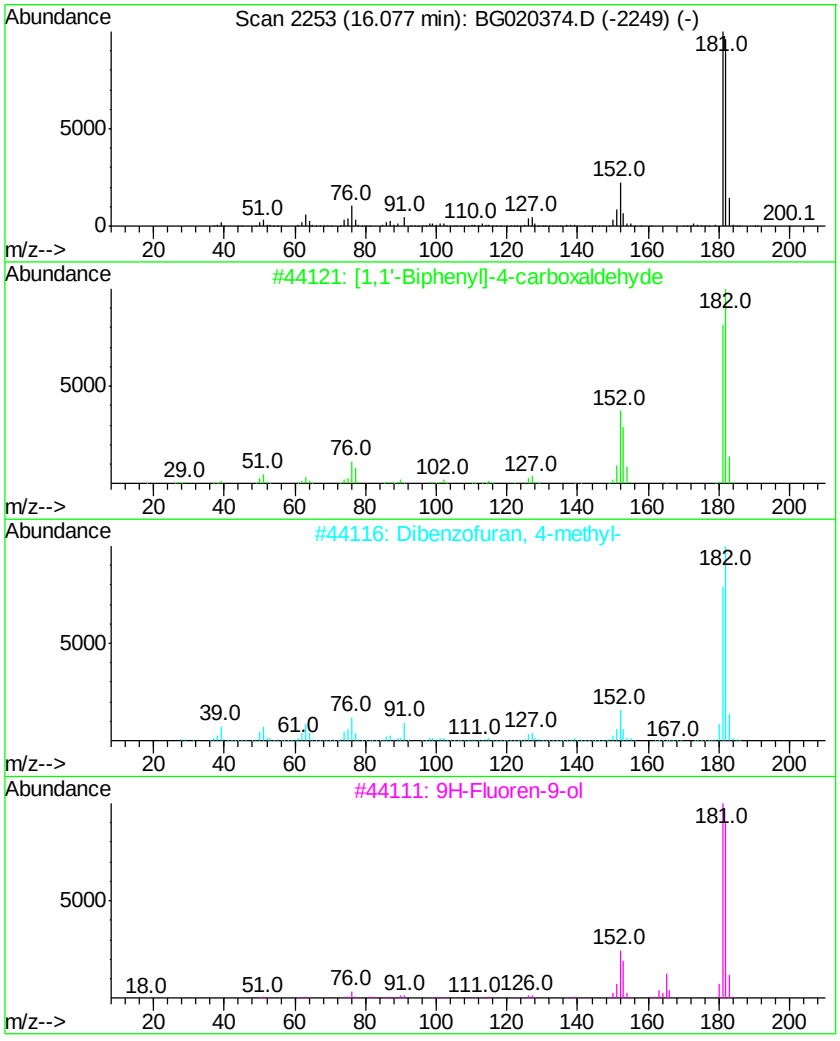
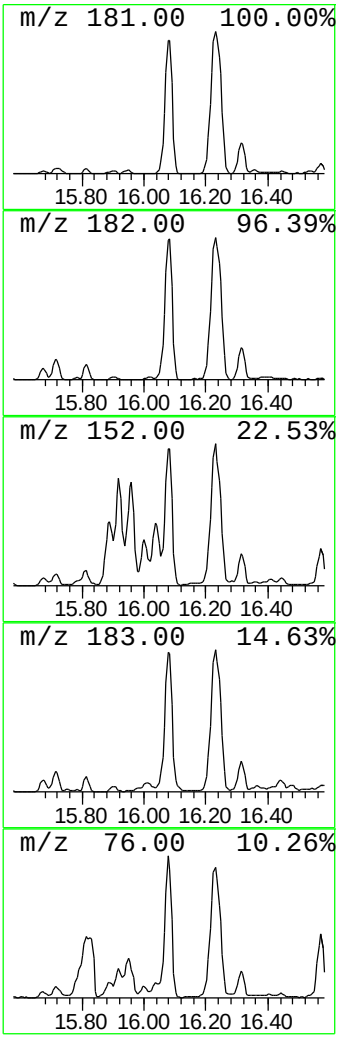
Peak Number 16 [1,1'-Biphenyl]-4-carboxald... Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.08	27.99 ng/ul	3591220	Acenaphthene-d10	14.74

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	90
3	9H-Fluoren-9-ol	182	C13H10O	001689-64-1	78
4	3-(2-Naphthyl)acrylaldehyde	182	C13H10O	020884-05-3	72
5	2-Hydroxyfluorene	182	C13H10O	002443-58-5	59





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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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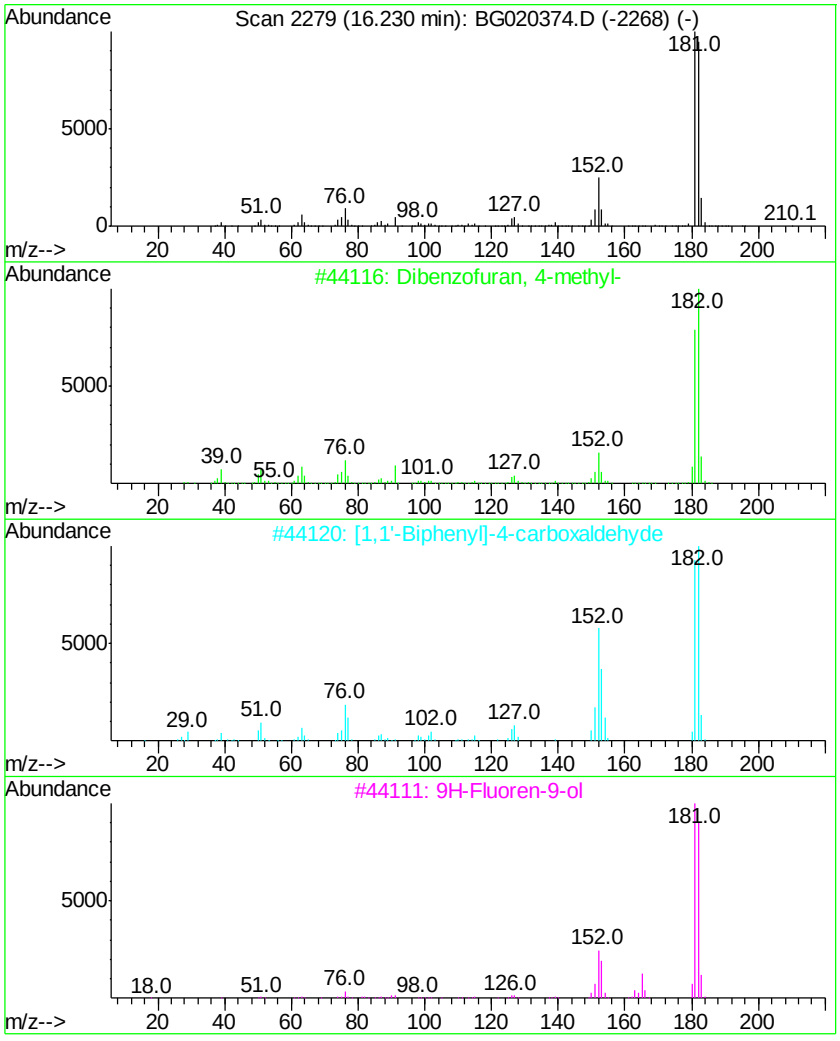
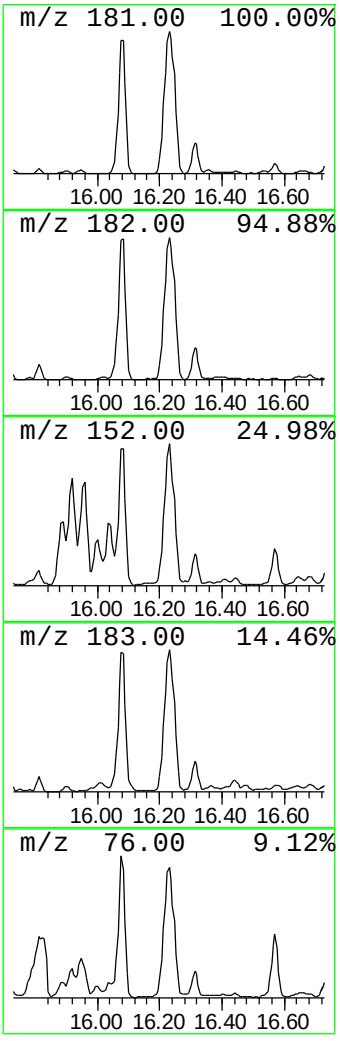
Peak Number 17 Dibenzofuran, 4-methyl- Concentration Rank 38

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.23	2.22 ng/ul	5603080	Phenanthrene-d10	17.53

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dibenzofuran, 4-methyl-	182	C13H10O	007320-53-8	90
2	[1,1'-Biphenyl]-4-carboxaldehyde	182	C13H10O	003218-36-8	83
3	9H-Fluoren-9-ol	182	C13H10O	001689-64-1	78
4	[1,1'-Biphenyl]-4-carboxaldehyde	182	C13H10O	003218-36-8	74
5	3-(2-Naphthyl)acrylaldehyde	182	C13H10O	020884-05-3	72





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Quant Title : SVOA CALIBRATION

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

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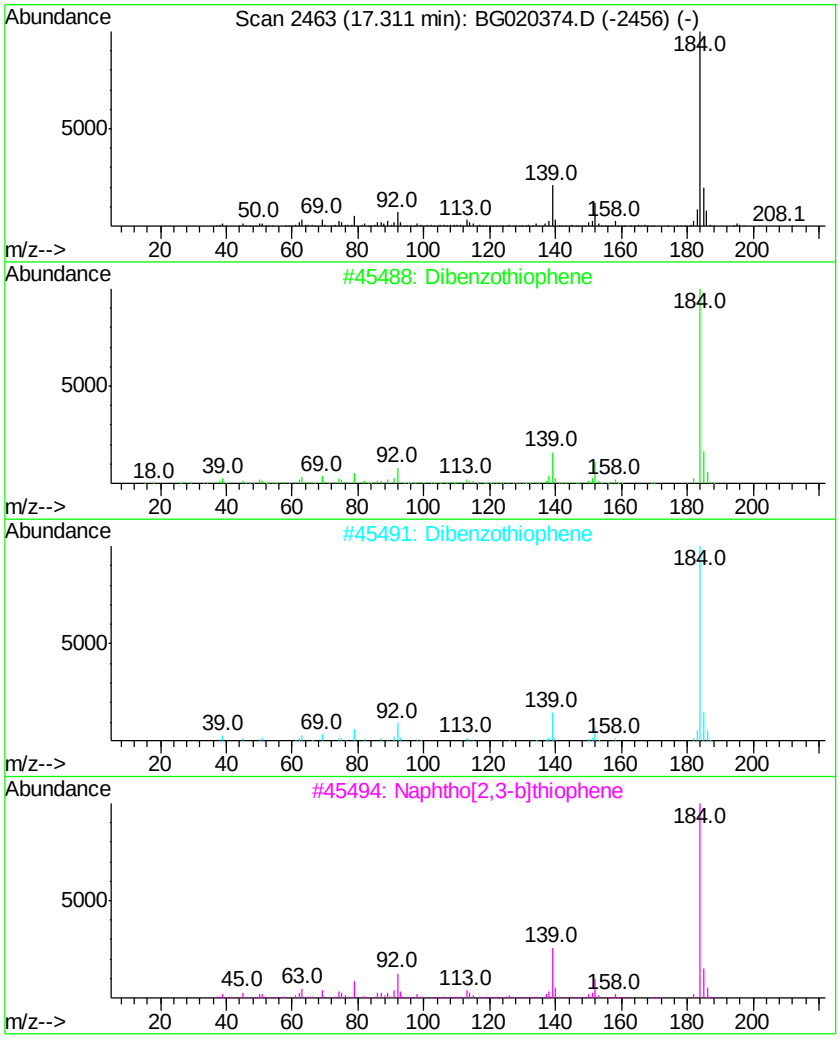
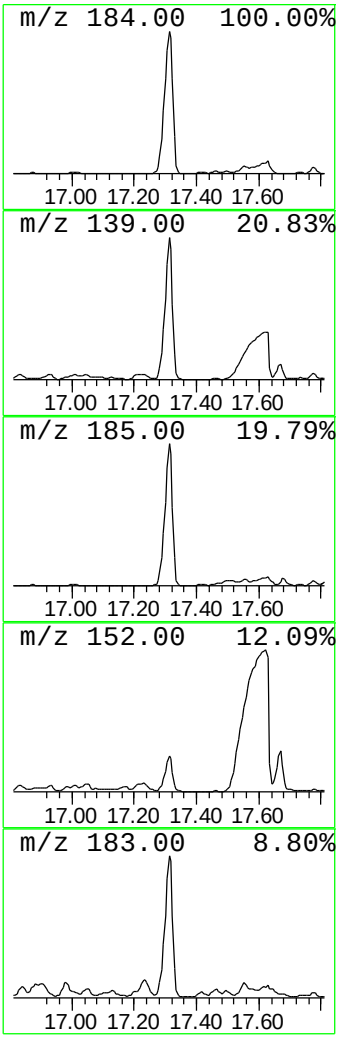
Peak Number 18 Dibenzothiophene Concentration Rank 37

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.31	2.31 ng/ul	5821990	Phenanthrene-d10	17.53

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dibenzothiophene	184	C12H8S	000132-65-0	96
2	Dibenzothiophene	184	C12H8S	000132-65-0	95
3	Naphtho[2,3-b]thiophene	184	C12H8S	000268-77-9	93
4	Dibenzothiophene	184	C12H8S	000132-65-0	93
5	Dibenzothiophene	184	C12H8S	000132-65-0	93





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Quant Title : SVOA CALIBRATION

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

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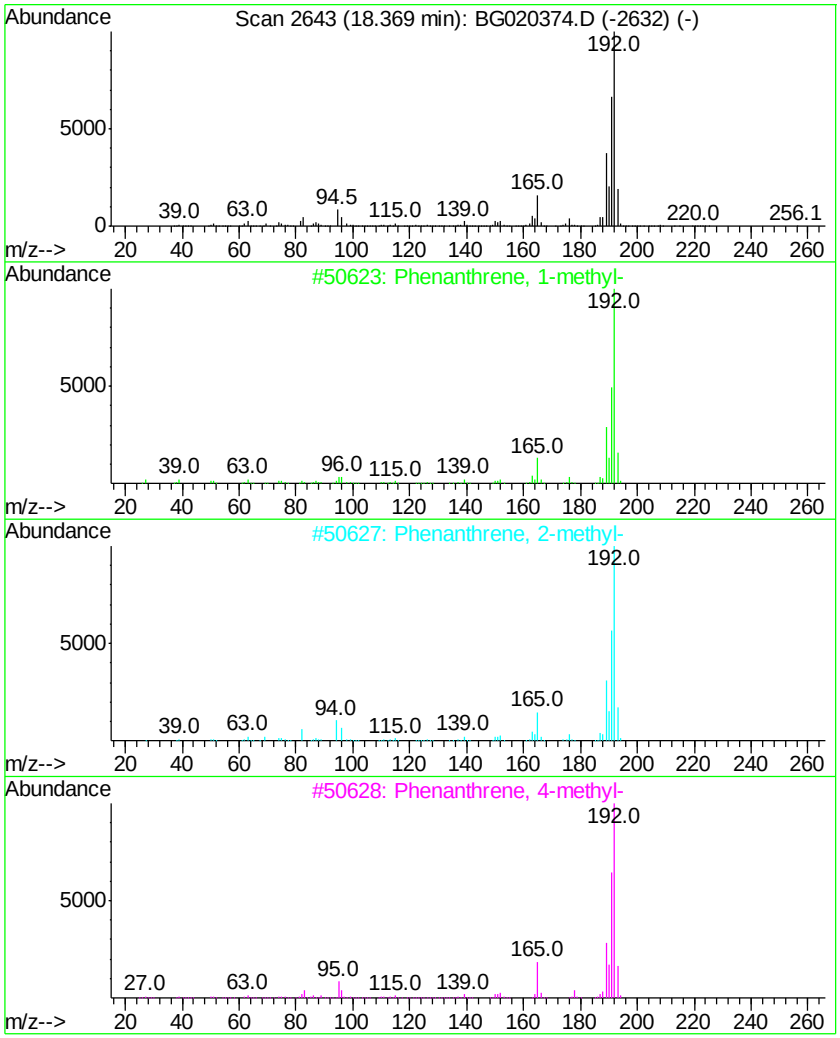
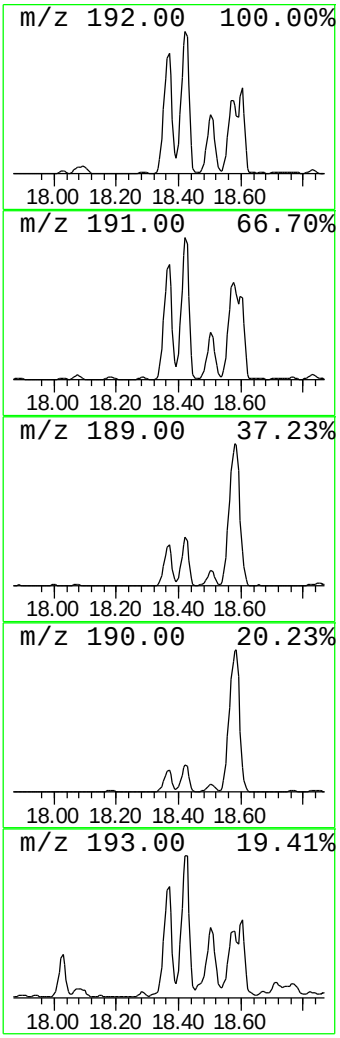
Peak Number 19 Phenanthrene, 1-methyl- Concentration Rank 39

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.37	2.18 ng/ul	5489070	Phenanthrene-d10	17.53

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	96
2	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	95
3	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	94
4	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	94
5	Anthracene, 2-methyl-	192	C15H12	000613-12-7	91





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ClientSampleId : D9N50

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TIC Integration Parameters: LSCINT.P

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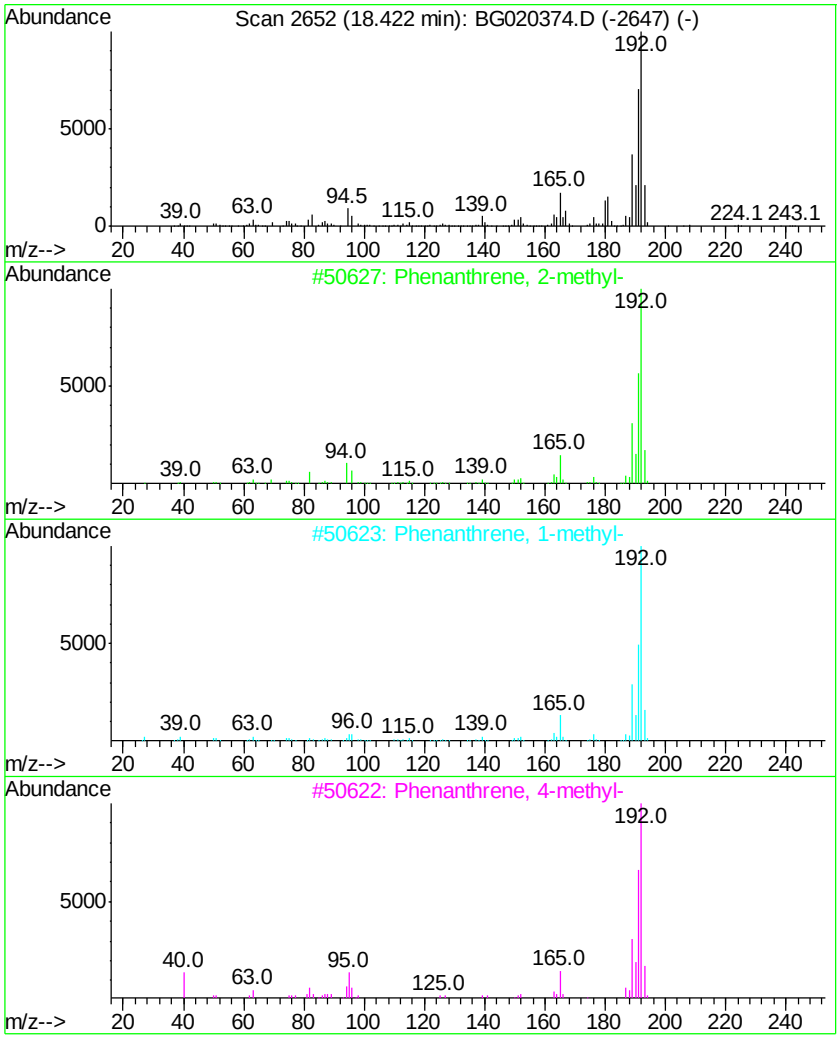
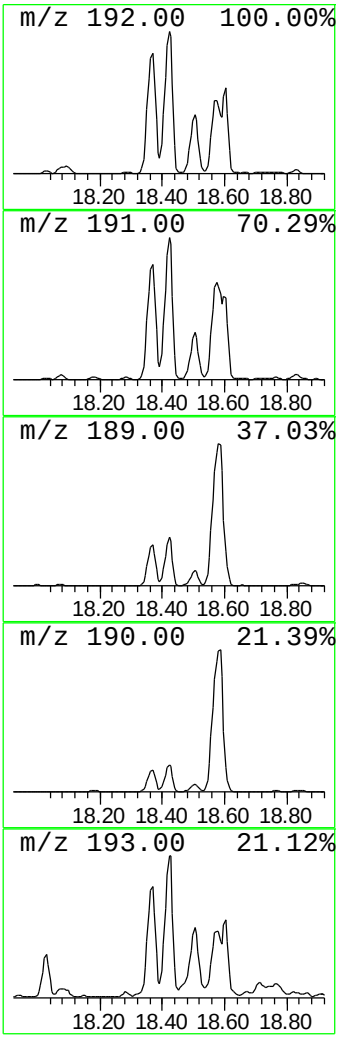
Peak Number 20 Phenanthrene, 2-methyl- Concentration Rank 33

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.42	2.64 ng/ul	6653030	Phenanthrene-d10	17.53

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	95
2	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	94
3	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	93
4	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	93
5	Anthracene, 1-methyl-	192	C15H12	000610-48-0	89





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA G\DATA\BG122015\
Data File : BG020374.D
Acq On : 21 Dec 2015 11:35
Operator : UM/SJ
Sample : G4848-04
Misc :
ALS Vial : 39 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N50

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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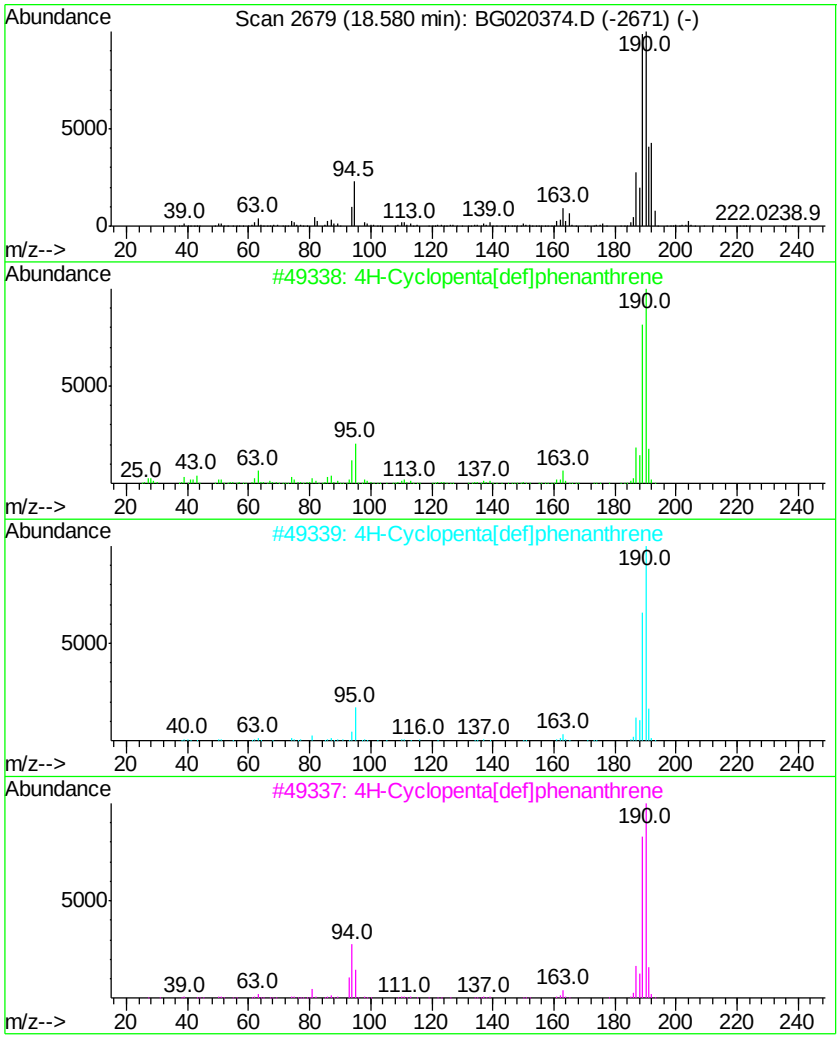
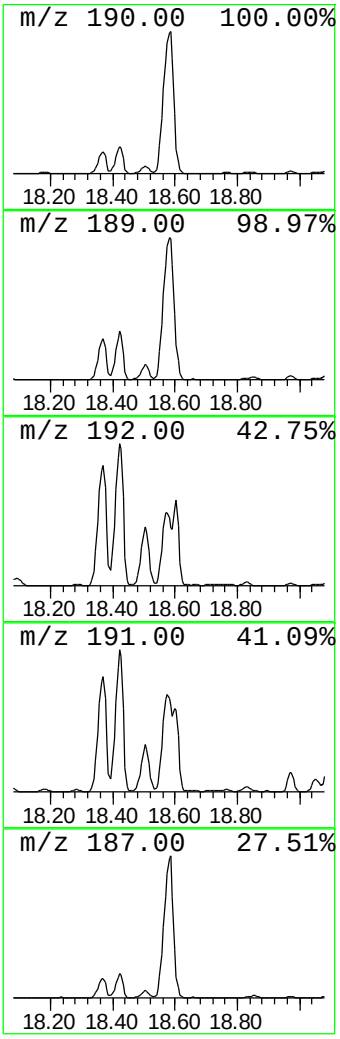
Peak Number 21 4H-Cyclopenta[def]phenanthrene Concentration Rank 24

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.58	4.88 ng/ul	12316000	Phenanthrene-d10	17.53

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	64
2	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	52
3	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	52
4	2,2'-Bis(4,5-dimethylimidazole)	190	C10H14N4	069286-06-2	28
5	4,4'-Difluorobiphenyl	190	C12H8F2	000398-23-2	17





Library Search Compound Report

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Data File : BG020374.D
Acq On : 21 Dec 2015 11:35
Operator : UM/SJ
Sample : G4848-04
Misc :
ALS Vial : 39 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N50

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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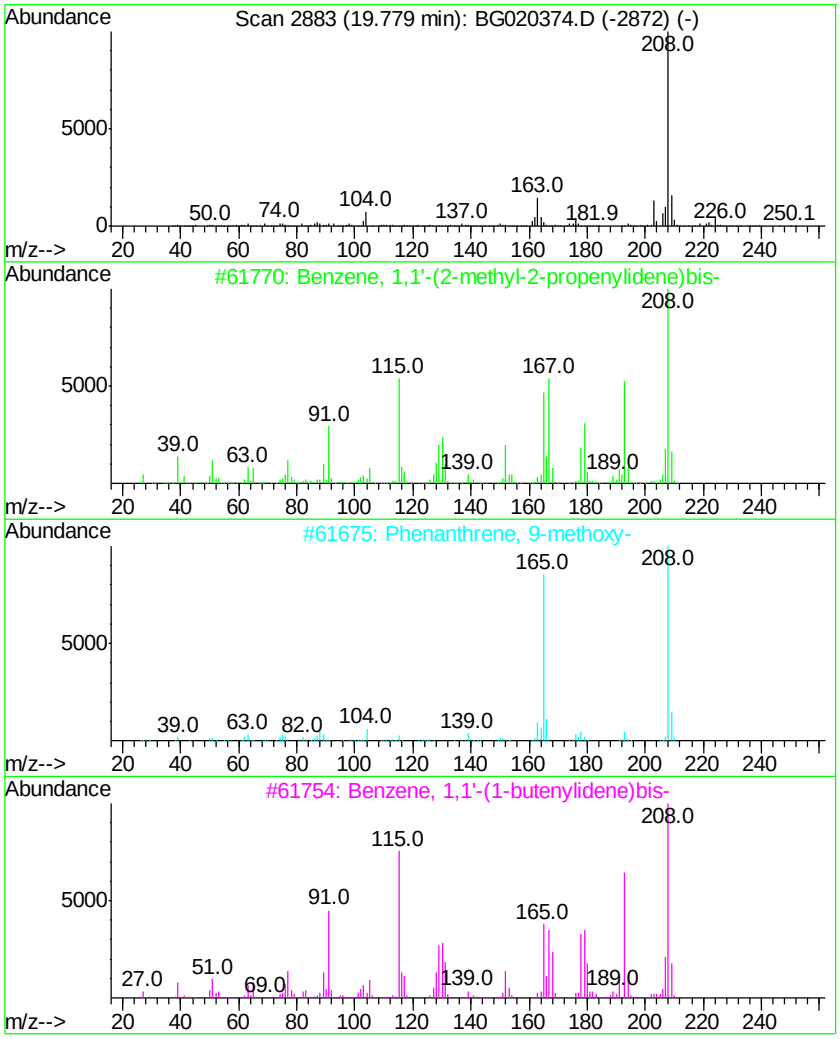
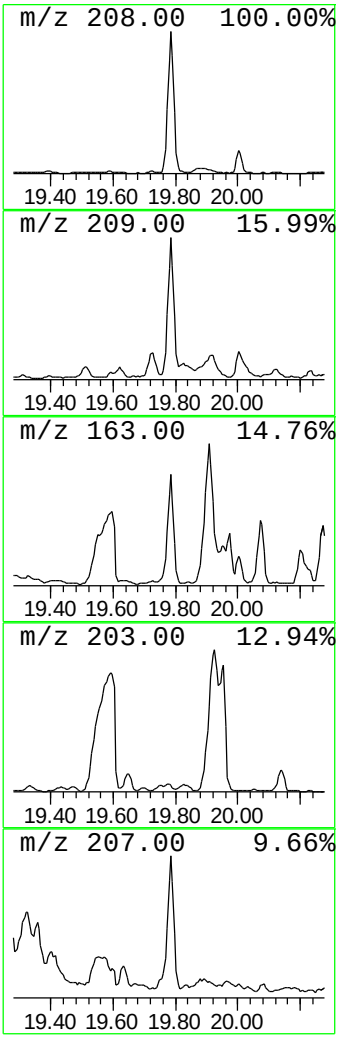
Peak Number 22 Benzene, 1,1'-(2-methyl-2-p... Concentration Rank 29

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.78	3.44 ng/ul	1674670	Chrysene-d12	21.78

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1,1'-(2-methyl-2-propen...	208	C16H16	070813-56-8	59
2	Phenanthrene, 9-methoxy-	208	C15H12O	005085-74-5	59
3	Benzene, 1,1'-(1-butenylidene)bis-	208	C16H16	001726-14-3	58
4	Chromium,(.eta.<7>-cycloheptatri...	208	C12H12Cr	012093-81-1	45
5	2-p-Tolyl-2,3-dihydro-1H-benzo[1...	208	C13H13BN2	1000296-11-8	42





Library Search Compound Report

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Data File : BG020374.D
Acq On : 21 Dec 2015 11:35
Operator : UM/SJ
Sample : G4848-04
Misc :
ALS Vial : 39 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N50

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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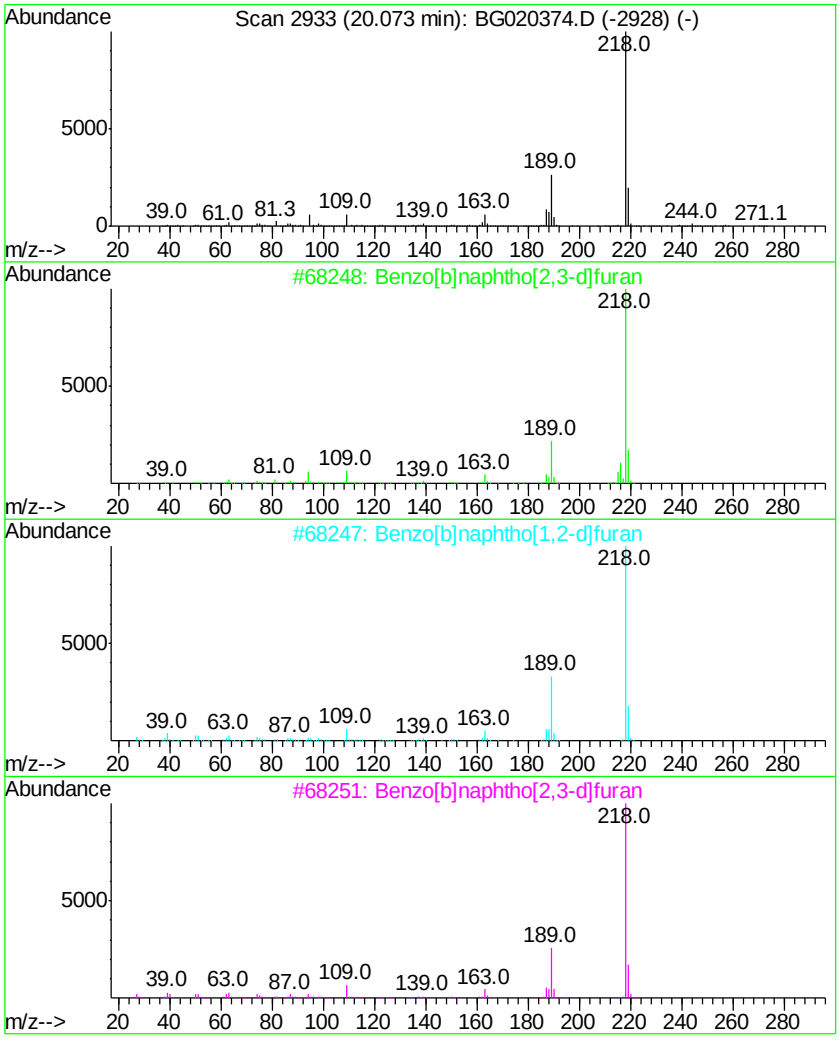
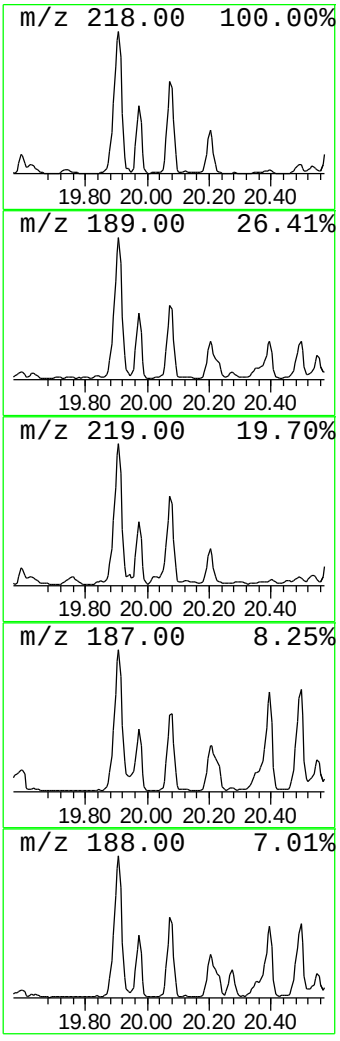
Peak Number 23 Benzo[b]naphtho[2,3-d]furan Concentration Rank 25

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.07	3.83 ng/ul	1866450	Chrysene-d12	21.78

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[b]naphtho[2,3-d]furan	218	C16H10O	000243-42-5	94
2	Benzo[b]naphtho[1,2-d]furan	218	C16H10O	000239-30-5	94
3	Benzo[b]naphtho[2,3-d]furan	218	C16H10O	000243-42-5	93
4	Benzo[kl]xanthene	218	C16H10O	000200-23-7	91
5	Benzo[b]naphtho[2,3-d]furan	218	C16H10O	000243-42-5	91





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Data File : BG020374.D
Acq On : 21 Dec 2015 11:35
Operator : UM/SJ
Sample : G4848-04
Misc :
ALS Vial : 39 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N50

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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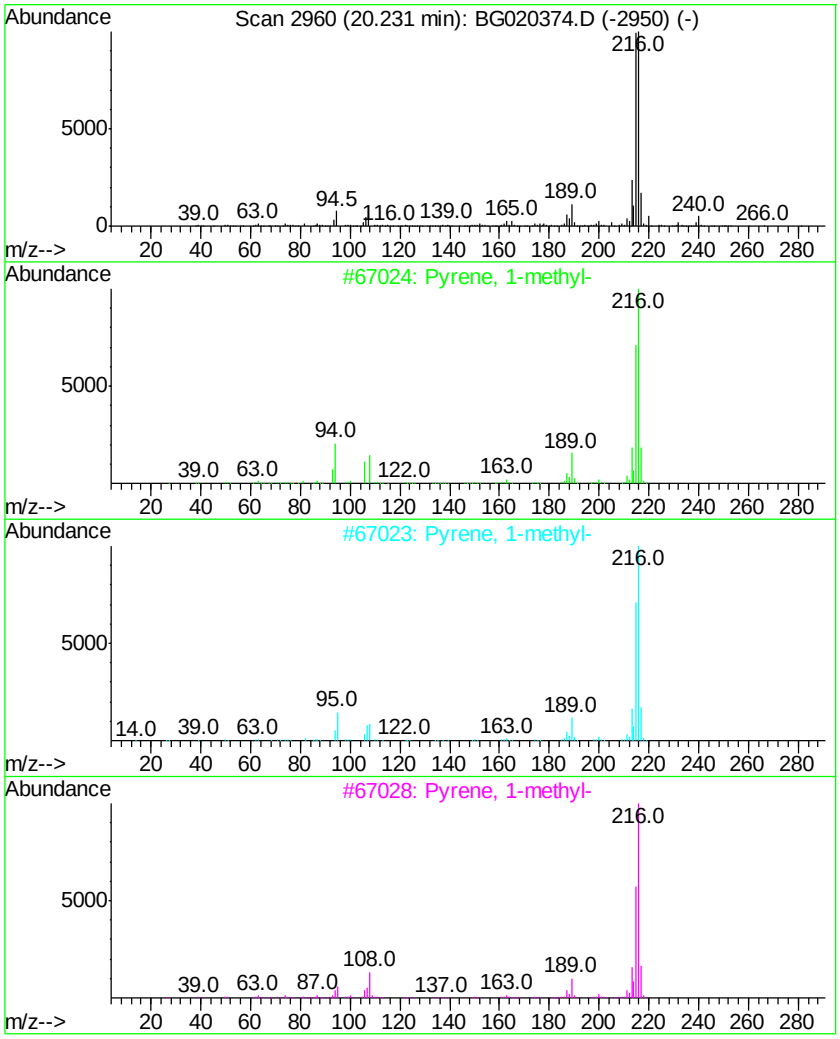
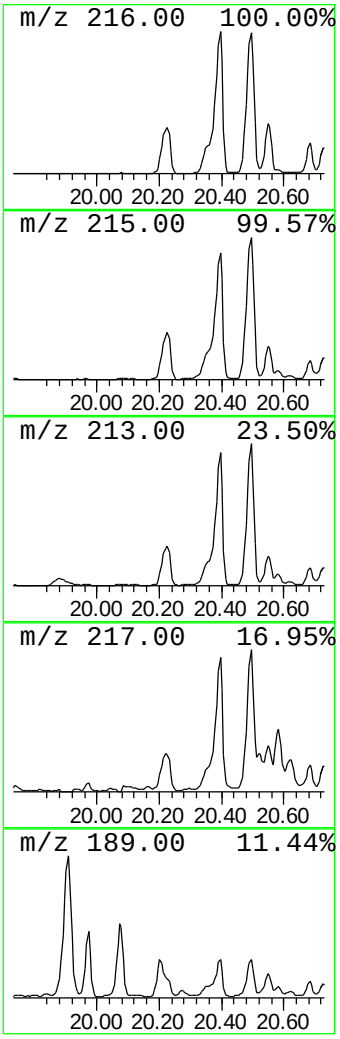
Peak Number 24 Pyrene, 1-methyl- Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.23	5.98 ng/ul	2911830	Chrysene-d12	21.78

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	94
3	Pyrene, 1-methyl-	216	C17H12	002381-21-7	93
4	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	91
5	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	91





Data Path : Z:\HPCHEM1\BNA G\DATA\BG122015\
Data File : BG020374.D
Acq On : 21 Dec 2015 11:35
Operator : UM/SJ
Sample : G4848-04
Misc :
ALS Vial : 39 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N50

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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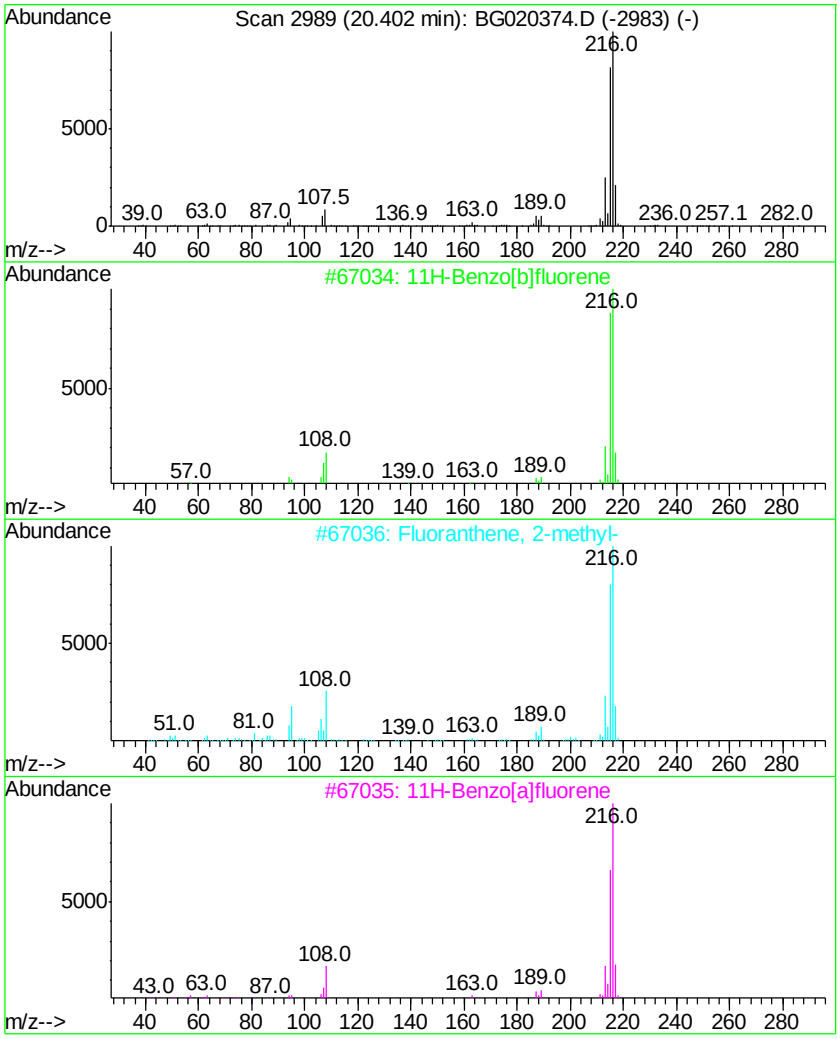
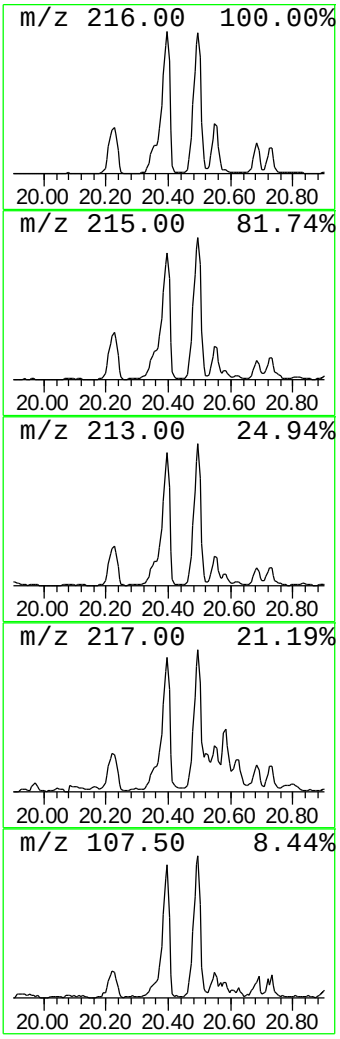
Peak Number 26 11H-Benzo[b]fluorene Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.40	9.98 ng/ul	4857290	Chrysene-d12	21.78

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	95
2	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	93
3	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	93
4	Pyrene, 1-methyl-	216	C17H12	002381-21-7	93
5	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	91





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA G\DATA\BG122015\
Data File : BG020374.D
Acq On : 21 Dec 2015 11:35
Operator : UM/SJ
Sample : G4848-04
Misc :
ALS Vial : 39 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N50

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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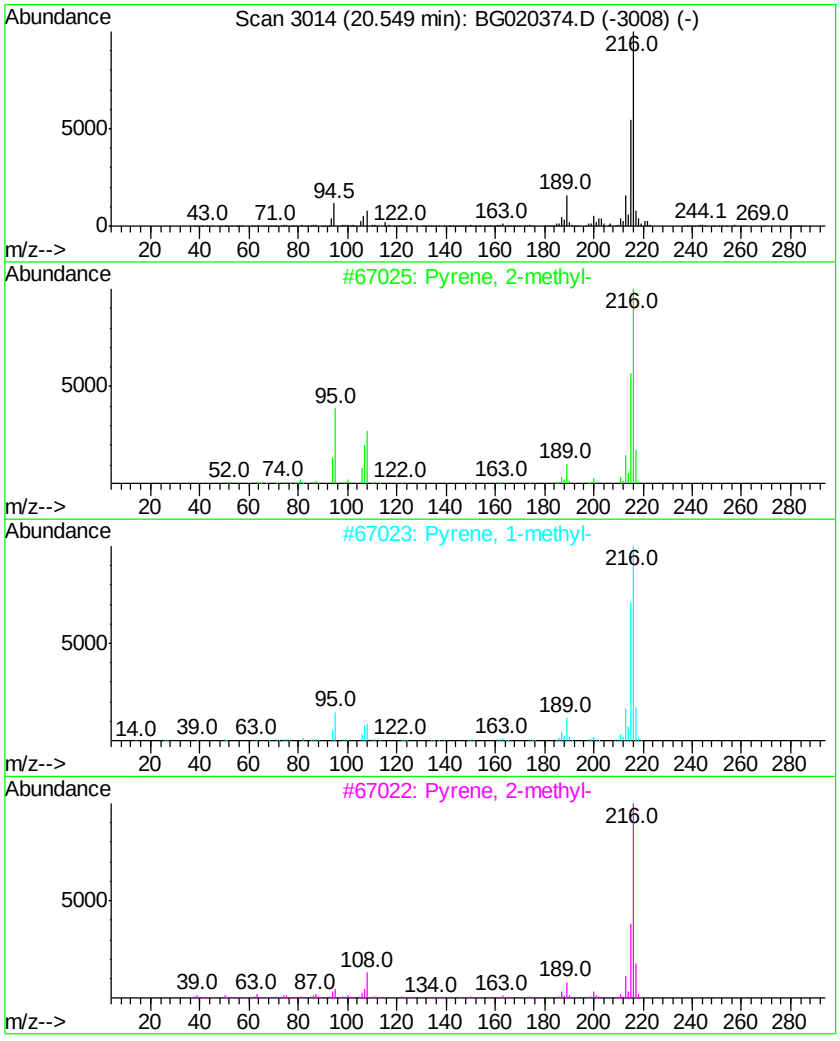
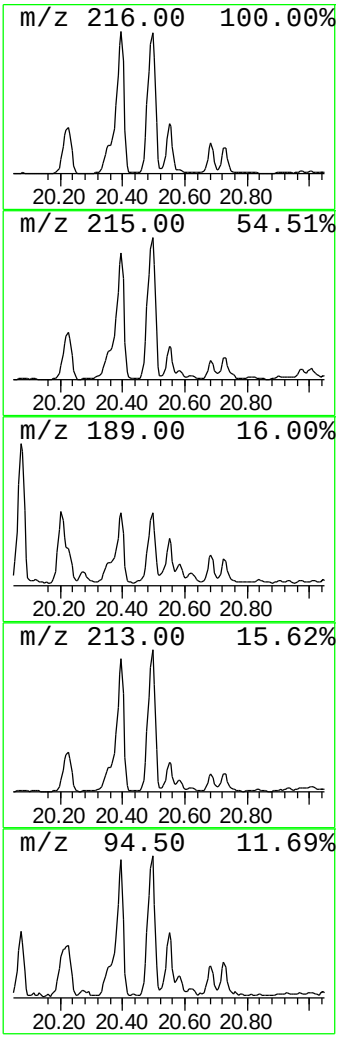
Peak Number 28 Pyrene, 2-methyl- Concentration Rank 23

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.55	5.47 ng/ul	2662120	Chrysene-d12	21.78

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene, 2-methyl-	216	C17H12	003442-78-2	94
2	Pyrene, 1-methyl-	216	C17H12	002381-21-7	93
3	Pyrene, 2-methyl-	216	C17H12	003442-78-2	93
4	Pyrene, 1-methyl-	216	C17H12	002381-21-7	91
5	Pyrene, 4-methyl-	216	C17H12	003353-12-6	87





Data Path : Z:\HPCHEM1\BNA G\DATA\BG122015\
Data File : BG020374.D
Acq On : 21 Dec 2015 11:35
Operator : UM/SJ
Sample : G4848-04
Misc :
ALS Vial : 39 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N50

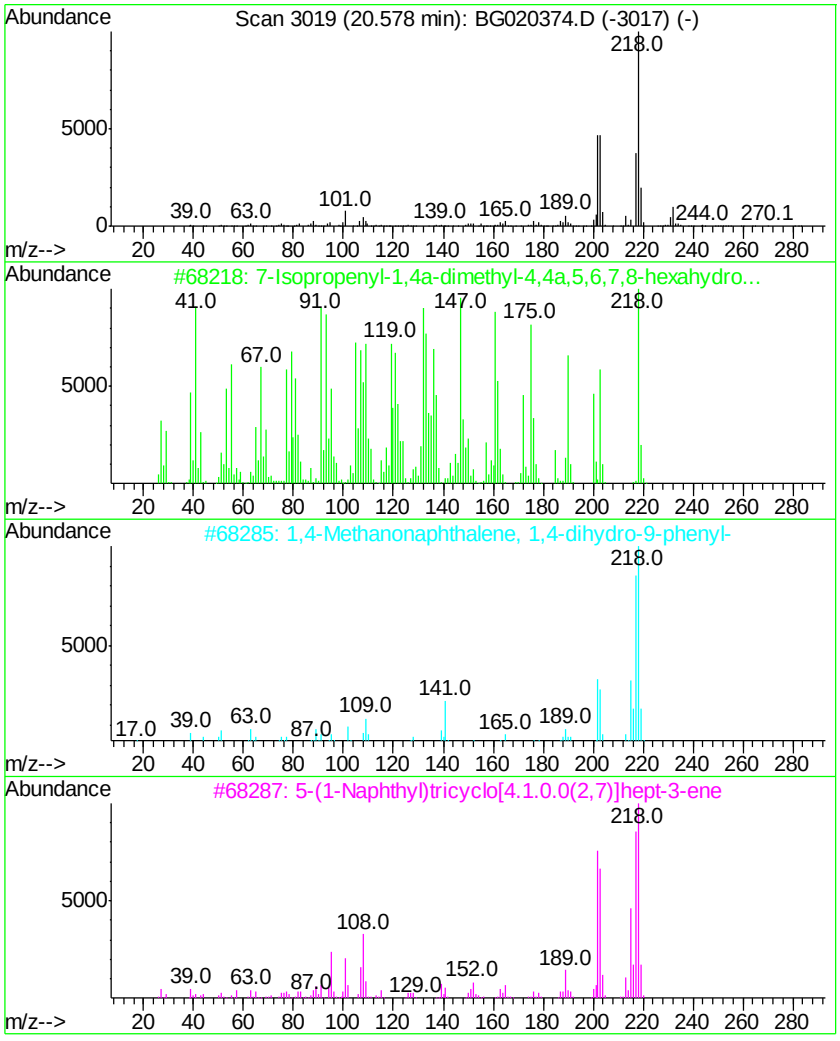
Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG121415.M
Quant Title : SVOA CALIBRATION

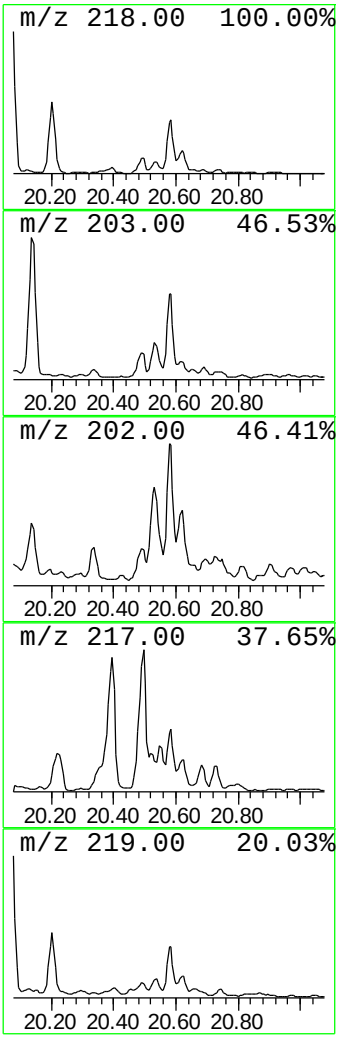
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 29 7-Isopropenyl-1,4a-dimethyl... Concentration Rank 35

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.58	2.42 ng/ul	1177350	Chrysene-d12	21.78

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	7-Isopropenyl-1,4a-dimethyl-4,4a...	218	C15H22O	000473-08-5	90
2	1,4-Methanonaphthalene, 1,4-dihy...	218	C17H14	055028-73-4	64
3	5-(1-Naphthyl)tricyclo[4.1.0.0(2...	218	C17H14	107729-05-5	64
4	2-Chloro-5,6-dimethyl-1-(2-propy...	218	C12H11ClN2	080276-20-6	53
5	2,4-Diethoxyquinazoline	218	C12H14N2O2	000611-65-4	52





Tentatively Identified Compound (LSC) summary

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG122015\
Data File : BG020374.D
Acq On : 21 Dec 2015 11:35
Operator : UM/SJ
Sample : G4848-04
Misc :
ALS Vial : 39 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N50

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	8.64	20.0	ng/ul	1649090	1	8.09	1649090	20.0
Naphthalene, 1-me...	12.81	5.9	ng/ul	7812060	2	10.94	26676200	20.0
Naphthalene, 1-et...	13.76	18.6	ng/ul	2390200	3	14.74	2565680	20.0
Naphthalene, 2,6-...	13.92	34.4	ng/ul	4414370	3	14.74	2565680	20.0
Naphthalene, 2,3-...	14.06	31.8	ng/ul	4084030	3	14.74	2565680	20.0
1-Isopropenylnaph...	15.04	12.6	ng/ul	1620320	3	14.74	2565680	20.0
Naphthalene, 1,6,...	15.34	6.5	ng/ul	828319	3	14.74	2565680	20.0
Naphthalene, 2,3,...	15.51	5.6	ng/ul	718473	3	14.74	2565680	20.0
Benzene, [1-(2,4-...	15.89	10.5	ng/ul	1345460	3	14.74	2565680	20.0
Benzeneethanol, ...	15.95	29.1	ng/ul	3731100	3	14.74	2565680	20.0
Naphthalene, 1-(2...	16.00	7.6	ng/ul	977539	3	14.74	2565680	20.0
Nordiphenamid	16.04	13.8	ng/ul	1767600	3	14.74	2565680	20.0
[1,1'-Biphenyl]-4...	16.08	28.0	ng/ul	3591220	3	14.74	2565680	20.0
Dibenzofuran, 4-m...	16.23	2.2	ng/ul	5603080	4	17.53	50453800	20.0
Dibenzothiophene	17.31	2.3	ng/ul	5821990	4	17.53	50453800	20.0
Phenanthrene, 1-m...	18.37	2.2	ng/ul	5489070	4	17.53	50453800	20.0
Phenanthrene, 2-m...	18.42	2.6	ng/ul	6653030	4	17.53	50453800	20.0
4H-Cyclopenta[def...	18.58	4.9	ng/ul	12316000	4	17.53	50453800	20.0
Benzene, 1,1'-(2-...	19.78	3.4	ng/ul	1674670	5	21.78	9736860	20.0
Benzo[b]naphtho[2...	20.07	3.8	ng/ul	1866450	5	21.78	9736860	20.0
Pyrene, 1-methyl-	20.23	6.0	ng/ul	2911830	5	21.78	9736860	20.0
11H-Benzo[b]fluorene	20.40	10.0	ng/ul	4857290	5	21.78	9736860	20.0
Pyrene, 2-methyl-	20.55	5.5	ng/ul	2662120	5	21.78	9736860	20.0
7-Isopropenyl-1,4...	20.58	2.4	ng/ul	1177350	5	21.78	9736860	20.0