LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA G\DATA\BG121915\
Data File : BG020315.D
Acq On : 19 Dec 2015 17:11
Operator : UM/SJ
Sample : G4849-08
Misc :
ALS Vial : 46 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N72

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	8.633	979	986	996	rVB	267939	456953	1.25%	0.182%
2	11.007	1369	1390	1395	rVV	5066094	14933816	40.92%	5.948%
3	11.089	1399	1404	1412	rVB	281134	480968	1.32%	0.192%
4	12.588	1646	1659	1664	rBV	4328977	9276396	25.42%	3.695%
5	12.799	1681	1695	1701	rVV	2666726	4949031	13.56%	1.971%
6	13.569	1814	1826	1832	rBV	2228046	3689110	10.11%	1.469%
7	13.763	1852	1859	1869	rVB	813019	1636938	4.49%	0.652%
8	13.910	1870	1884	1891	rVV	942278	2581949	7.08%	1.028%
9	14.051	1899	1908	1913	rVV	1255509	2462233	6.75%	0.981%
10	14.103	1913	1917	1927	rVV2	941099	1790816	4.91%	0.713%
11	14.286	1941	1948	1951	rVV	565422	896421	2.46%	0.357%
12	14.421	1965	1971	1972	rBV2	227502	316869	0.87%	0.126%
13	14.450	1972	1976	1981	rVV	417053	678105	1.86%	0.270%
14	14.714	2008	2021	2029	rVV2	1001036	1739741	4.77%	0.693%
15	14.826	2029	2040	2044	rVV	5963053	14793893	40.54%	5.892%
16	14.867	2044	2047	2052	rVV	411855	640998	1.76%	0.255%
17	14.926	2052	2057	2068	rVV2	266939	712647	1.95%	0.284%
18	15.038	2068	2076	2081	rVV2	453197	774496	2.12%	0.308%
19	15.155	2086	2096	2100	rVV	4631167	10733691	29.41%	4.275%
20	15.196	2100	2103	2113	rVB	327313	496544	1.36%	0.198%
21	15.337	2119	2127	2132	rBV2	260116	480633	1.32%	0.191%
22	15.390	2132	2136	2148	rVB2	281974	442498	1.21%	0.176%
23	15.508	2148	2156	2159	rBV2	202582	455794	1.25%	0.182%
24	15.549	2159	2163	2168	rVB3	160765	303095	0.83%	0.121%
25	15.801	2196	2206	2212	rVB	5039616	11340233	31.08%	4.517%
26	15.878	2212	2219	2221	rBV2	449310	806625	2.21%	0.321%
27	15.907	2221	2224	2226	rVV	664836	930961	2.55%	0.371%
28	15.942	2226	2230	2235	rVV2	1180071	1911479	5.24%	0.761%
29	15.989	2235	2238	2241	rVV2	251636	370850	1.02%	0.148%
30	16.031	2241	2245	2247	rVV	566425	823896	2.26%	0.328%
31	16.072	2247	2252	2260	rVB	1365265	2197254	6.02%	0.875%
32	16.219	2260	2277	2284	rBV	1360711	3251169	8.91%	1.295%
33	16.307	2288	2292	2297	rVB2	271520	407762	1.12%	0.162%
34	16.442	2312	2315	2321	rVB3	197815	311434	0.85%	0.124%

LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA G\DATA\BG121915\
Data File : BG020315.D
Acq On : 19 Dec 2015 17:11
Operator : UM/SJ
Sample : G4849-08
Misc :
ALS Vial : 46 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N72

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	16.565	2331	2336	2342	rVB	447758	680588	1.87%	0.271%
36	16.777	2359	2372	2376	rBV2	968789	2185354	5.99%	0.870%
37	16.824	2376	2380	2386	rBV3	341411	527327	1.45%	0.210%
38	16.924	2391	2397	2402	rVB2	418482	737610	2.02%	0.294%
39	17.041	2413	2417	2421	rVB2	289394	385102	1.06%	0.153%
40	17.153	2428	2436	2440	rVB	589586	1084219	2.97%	0.432%
41	17.206	2440	2445	2455	rVV3	423720	1123728	3.08%	0.448%
42	17.306	2455	2462	2472	rVB	2095160	3666186	10.05%	1.460%
43	17.593	2481	2511	2515	rBV	8923041	36490830	100.00%	14.533%
44	17.646	2515	2520	2524	rVB	2388426	3171243	8.69%	1.263%
45	17.881	2554	2560	2568	rBV	1007088	1780253	4.88%	0.709%
46	17.993	2574	2579	2584	rVV	571330	783756	2.15%	0.312%
47	18.058	2585	2590	2599	rVB3	279670	545150	1.49%	0.217%
48	18.199	2609	2614	2622	rVB	217676	448240	1.23%	0.179%
49	18.357	2630	2641	2645	rVV	1819828	3070323	8.41%	1.223%
50	18.410	2645	2650	2655	rVB	2381091	3588575	9.83%	1.429%
51	18.486	2655	2663	2669	rBV	766563	1380249	3.78%	0.550%
52	18.563	2669	2676	2685	rVV2	3365975	7624645	20.89%	3.037%
53	18.845	2718	2724	2729	rVV	1750043	2531479	6.94%	1.008%
54	18.898	2729	2733	2740	rVB4	217979	337773	0.93%	0.135%
55	19.080	2756	2764	2769	rBV	335806	528481	1.45%	0.210%
56	19.133	2769	2773	2776	rVV	237980	295840	0.81%	0.118%
57	19.256	2788	2794	2799	rBV	490439	952199	2.61%	0.379%
58	19.321	2799	2805	2814	rVB3	326496	802178	2.20%	0.319%
59	19.427	2814	2823	2827	rBV3	165462	425935	1.17%	0.170%
60	19.573	2833	2848	2852	rBV	7476696	22082264	60.51%	8.795%
61	19.773	2878	2882	2893	rVB	576153	958027	2.63%	0.382%
62	19.902	2893	2904	2906	rBV2	5765662	12813148	35.11%	5.103%
63	19.955	2912	2913	2918	rVB	550777	509568	1.40%	0.203%
64	20.067	2926	2932	2936	rVB	761261	1110232	3.04%	0.442%
65	20.208	2948	2956	2962	rBV2	653760	1715053	4.70%	0.683%
66	20.378	2980	2985	2990	rVB	1922244	2975564	8.15%	1.185%
67	20.484	2995	3003	3006	rBV	2188710	3419144	9.37%	1.362%
68	20.537	3006	3012	3015	rVV2	653342	1179027	3.23%	0.470%
69	20.572	3015	3018	3021	rVV	408519	482367	1.32%	0.192%
70	20.608	3021	3024	3030	rVB3	233565	366114	1.00%	0.146%
71	20.672	3030	3035	3039	rBV	368247	564973	1.55%	0.225%

LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA G\DATA\BG121915\
Data File : BG020315.D
Acq On : 19 Dec 2015 17:11
Operator : UM/SJ
Sample : G4849-08
Misc :
ALS Vial : 46 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N72

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	20.719	3039	3043	3046	rBV2	300662	356473	0.98%	0.142%
73	20.895	3068	3073	3077	rBV	293018	413140	1.13%	0.165%
74	21.089	3101	3106	3111	rBV	237227	474144	1.30%	0.189%
75	21.142	3111	3115	3121	rVV3	147893	293660	0.80%	0.117%
76	21.324	3138	3146	3150	rBV	638995	1109722	3.04%	0.442%
77	21.371	3150	3154	3158	rVV	641902	1048317	2.87%	0.418%
78	21.418	3158	3162	3166	rVV2	518139	855690	2.34%	0.341%
79	21.459	3166	3169	3181	rVB2	168737	317611	0.87%	0.126%
80	21.606	3185	3194	3202	rBV	195286	500319	1.37%	0.199%
81	21.747	3207	3218	3223	rBV2	2963374	6444359	17.66%	2.567%
82	21.812	3224	3229	3235	rVB	2213828	4100712	11.24%	1.633%
83	21.959	3248	3254	3261	rVV	746962	1332085	3.65%	0.531%
84	22.094	3271	3277	3282	rVB2	130218	291885	0.80%	0.116%
85	22.159	3282	3288	3295	rBV2	339483	665768	1.82%	0.265%
86	22.488	3335	3344	3350	rVV	284821	763082	2.09%	0.304%
87	22.558	3350	3356	3363	rVV2	157479	368259	1.01%	0.147%
88	22.705	3376	3381	3386	rVV3	177686	388212	1.06%	0.155%
89	22.770	3386	3392	3395	rVV2	181434	394667	1.08%	0.157%
90	22.817	3395	3400	3408	rVV3	262616	573380	1.57%	0.228%
91	22.905	3408	3415	3427	rVB2	138272	374894	1.03%	0.149%
92	23.998	3588	3601	3607	rBV	779566	2734956	7.49%	1.089%
93	24.244	3635	3643	3651	rVB	148711	368573	1.01%	0.147%
94	24.726	3715	3725	3732	rVV	367026	1089175	2.98%	0.434%
95	24.803	3732	3738	3743	rVV	184796	501935	1.38%	0.200%
96	24.879	3743	3751	3764	rVV	597399	1735072	4.75%	0.691%
97	25.020	3765	3775	3782	rVV2	201548	716546	1.96%	0.285%
98	25.102	3783	3789	3802	rVB2	159209	501728	1.37%	0.200%
99	28.757	4396	4411	4433	rVB2	115708	600824	1.65%	0.239%
100	29.920	4590	4609	4623	rBV3	70298	369091	1.01%	0.147%

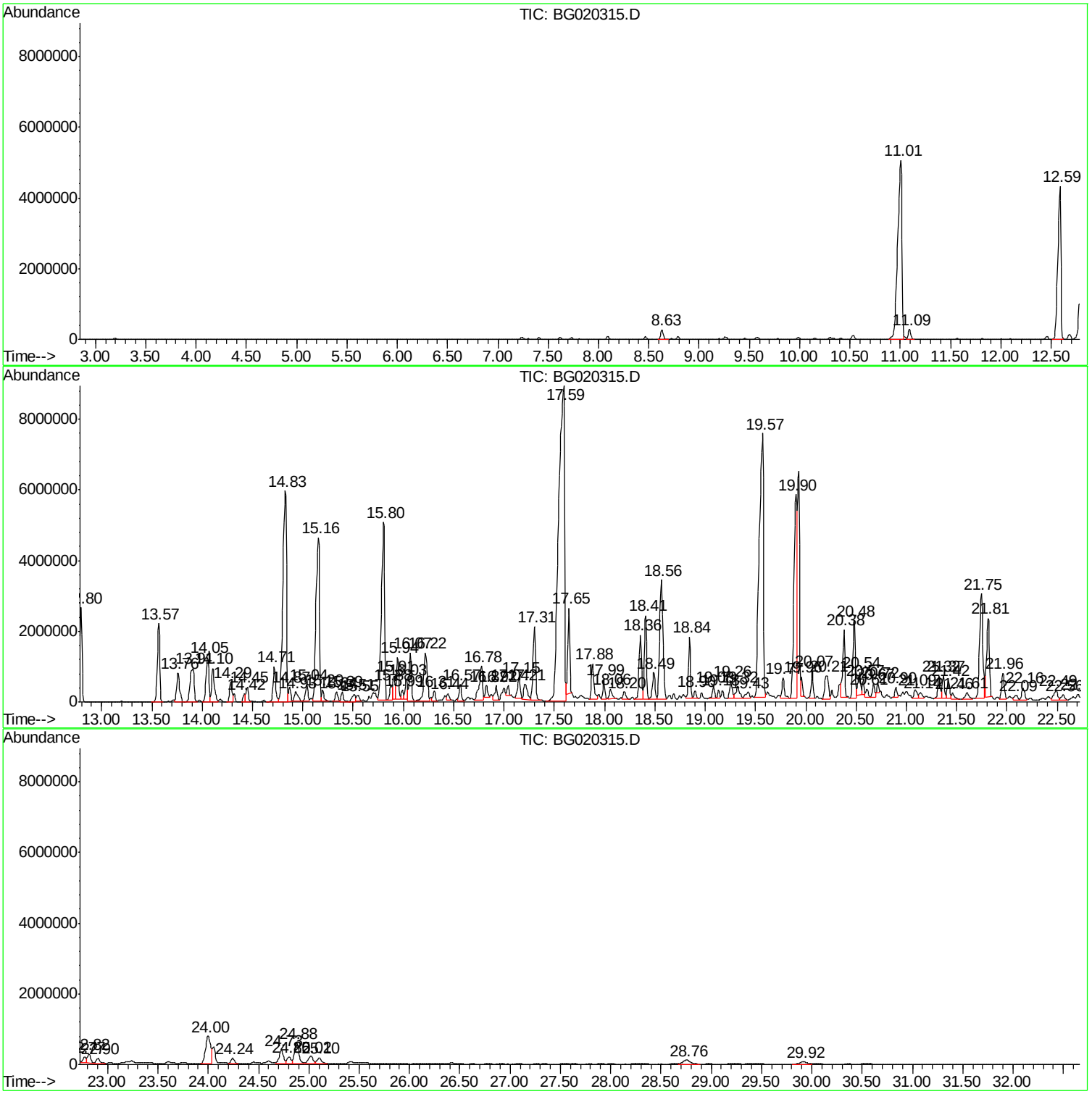
Sum of corrected areas: 251082321

Data Path : Z:\HPCHEM1\BNA G\DATA\BG121915\
Data File : BG020315.D
Acq On : 19 Dec 2015 17:11
Operator : UM/SJ
Sample : G4849-08
Misc :
ALS Vial : 46 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N72

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\BG121915\
Data File : BG020315.D
Acq On : 19 Dec 2015 17:11
Operator : UM/SJ
Sample : G4849-08
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Instrument : BNA_G
ClientSampleId : D9N72

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

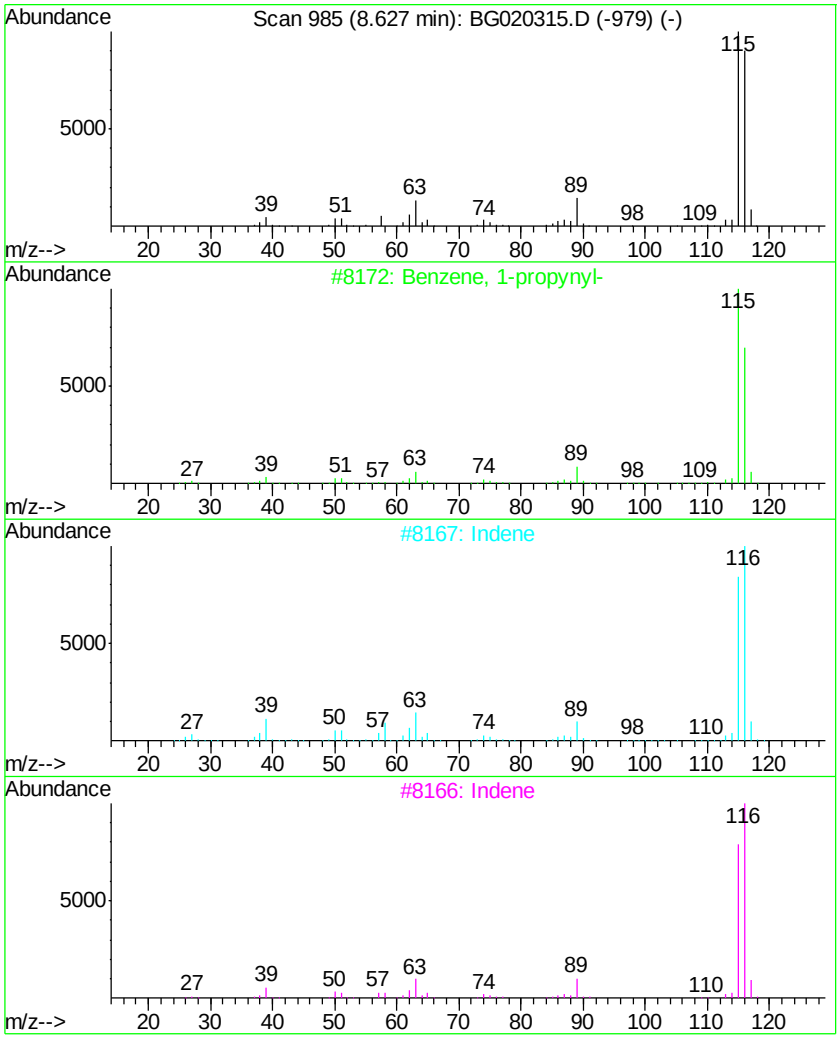
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

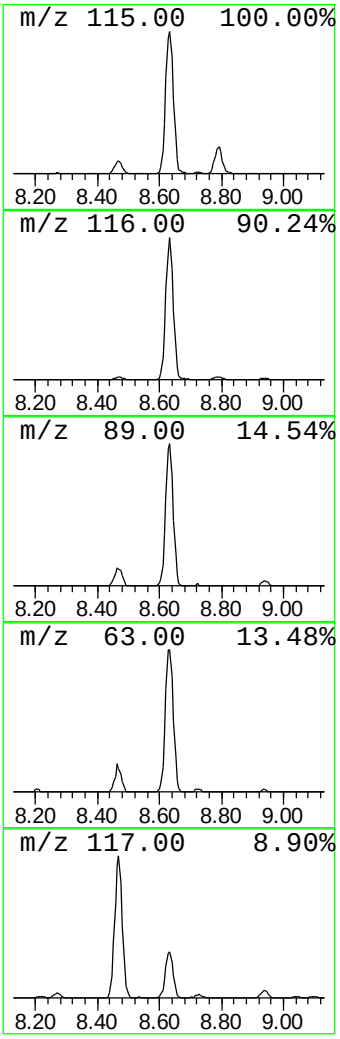
****

Peak Number 1 Benzene, 1-propynyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.63	20.00 ng/ul	456953	1,4-Dichlorobenzene-d4	8.09

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





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA G\DATA\BG121915\
Data File : BG020315.D
Acq On : 19 Dec 2015 17:11
Operator : UM/SJ
Sample : G4849-08
Misc :
ALS Vial : 46 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N72

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

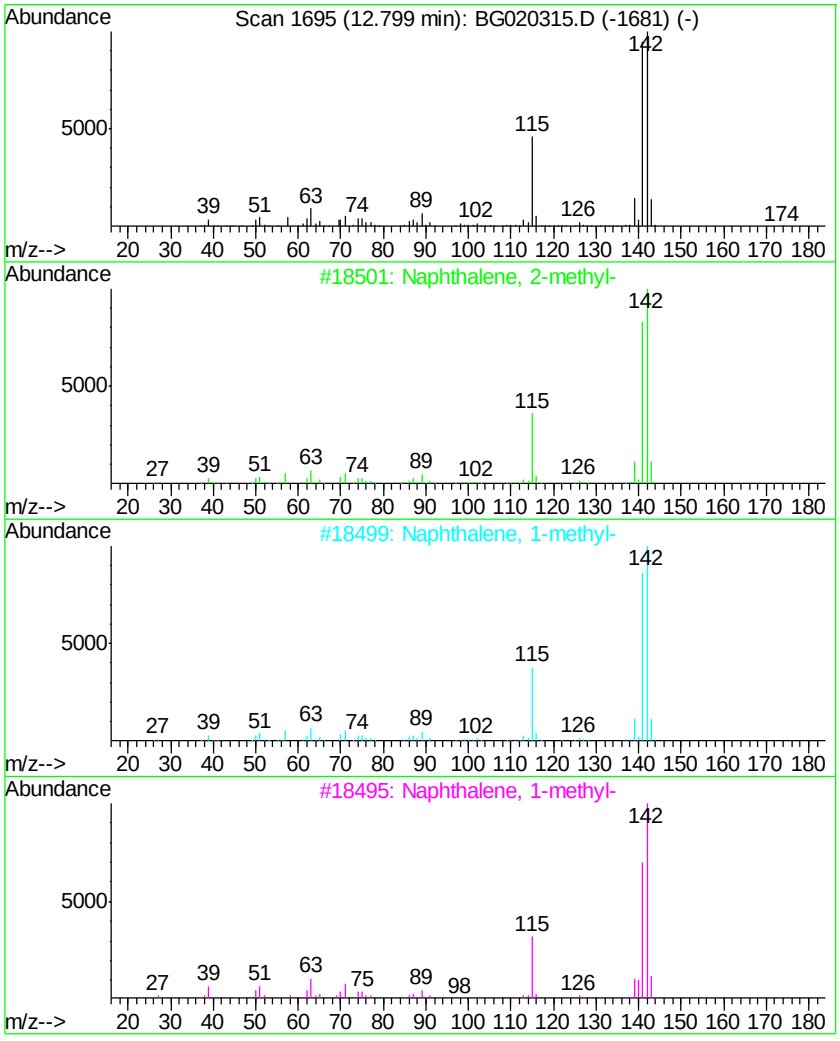
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

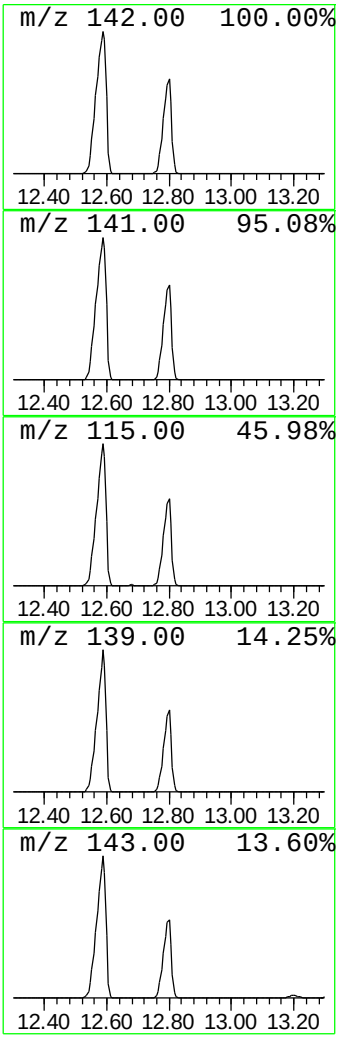
****

Peak Number 2 Naphthalene, 1-methyl- Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.80	6.63 ng/ul	4949030	Naphthalene-d8	10.92

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2-methyl-	142	C11H10	000091-57-6	96
2	Naphthalene, 1-methyl-	142	C11H10	000090-12-0	96
3	Naphthalene, 1-methyl-	142	C11H10	000090-12-0	94
4	Naphthalene, 1-methyl-	142	C11H10	000090-12-0	94
5	1,4-Methanonaphthalene, 1,4-dihy...	142	C11H10	004453-90-1	94





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA G\DATA\BG121915\
Data File : BG020315.D
Acq On : 19 Dec 2015 17:11
Operator : UM/SJ
Sample : G4849-08
Misc :
ALS Vial : 46 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N72

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

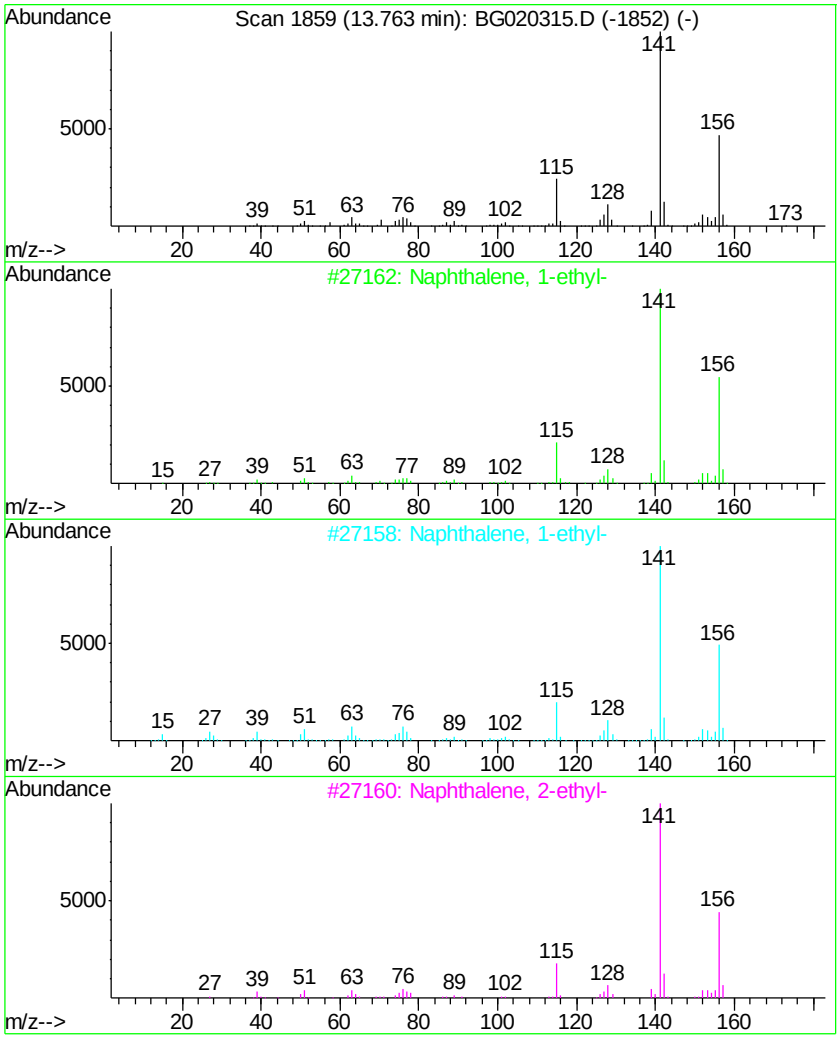
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

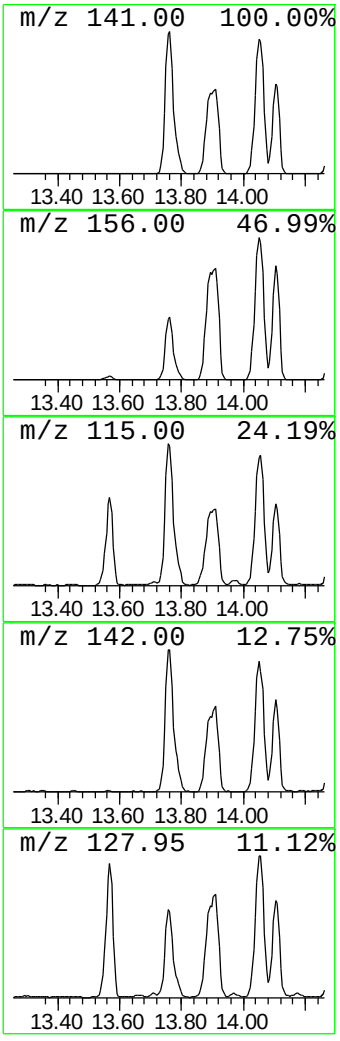
****

Peak Number 3 Naphthalene, 1-ethyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.76	18.82 ng/ul	1636940	Acenaphthene-d10	14.73

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	91





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA G\DATA\BG121915\
Data File : BG020315.D
Acq On : 19 Dec 2015 17:11
Operator : UM/SJ
Sample : G4849-08
Misc :
ALS Vial : 46 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N72

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

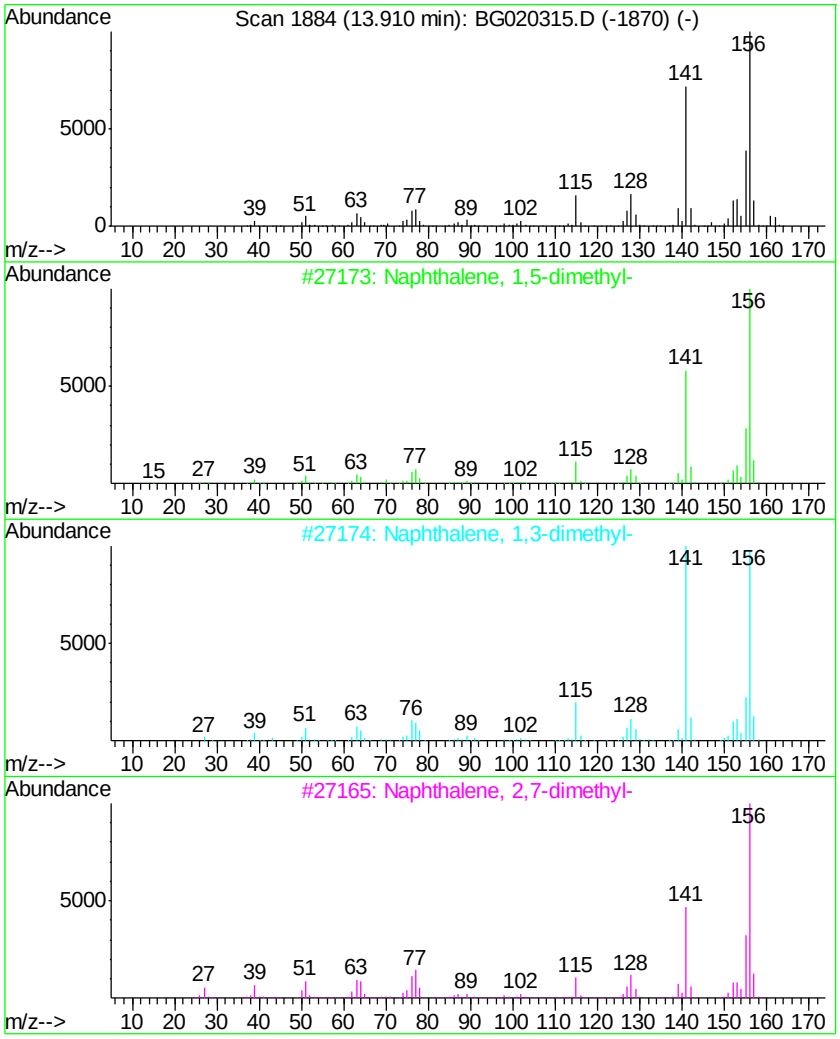
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

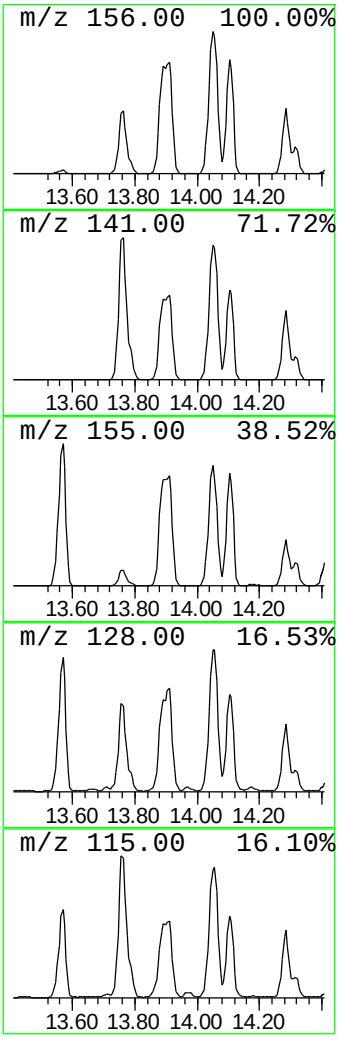
****

Peak Number 4 Naphthalene, 1,5-dimethyl- Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.91	29.68 ng/ul	2581950	Acenaphthene-d10	14.73

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1,5-dimethyl-	156	C12H12	000571-61-9	96
2	Naphthalene, 1,3-dimethyl-	156	C12H12	000575-41-7	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, 1,6-dimethyl-	156	C12H12	000575-43-9	96





Data Path : Z:\HPCHEM1\BNA G\DATA\BG121915\
Data File : BG020315.D
Acq On : 19 Dec 2015 17:11
Operator : UM/SJ
Sample : G4849-08
Misc :
ALS Vial : 46 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N72

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

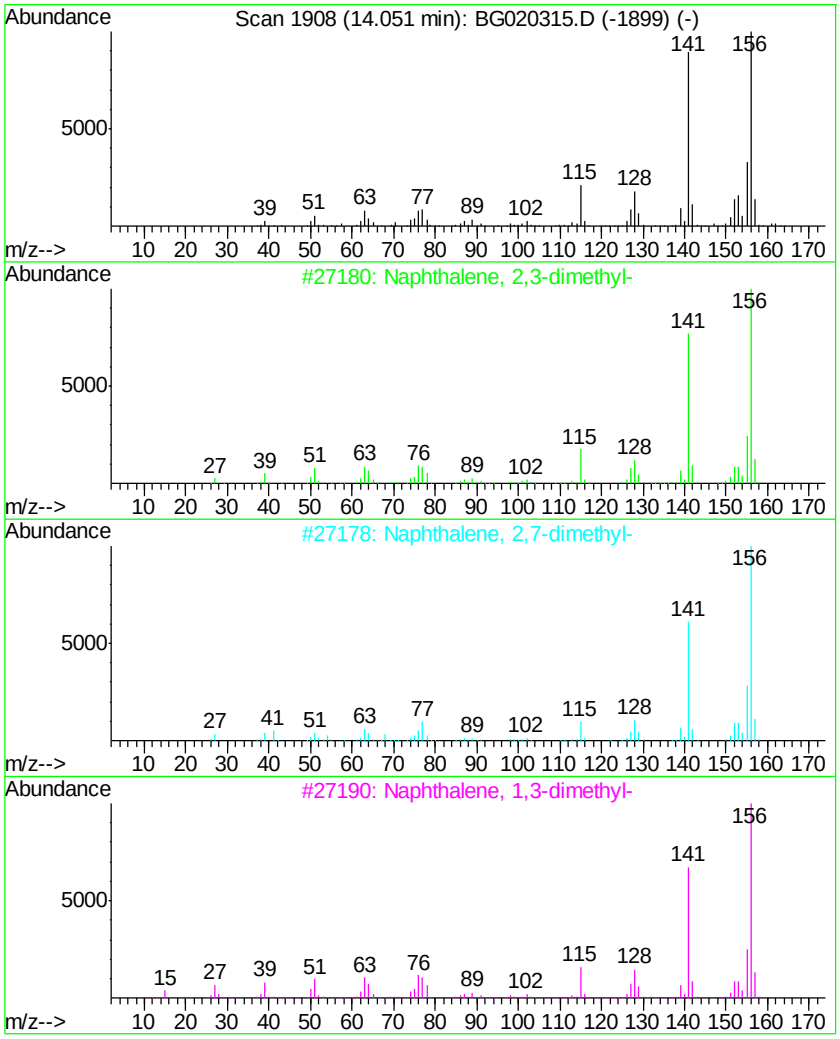
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

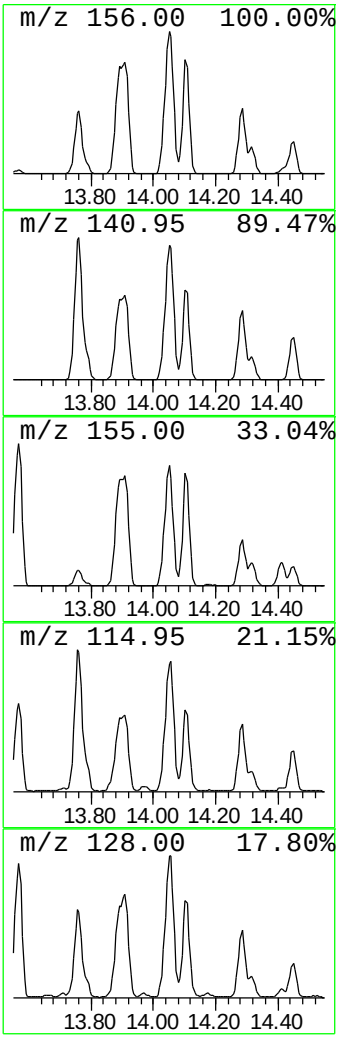
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.05	28.31 ng/ul	2462230	Acenaphthene-d10	14.73

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	97
2	Naphthalene, 2,7-dimethyl-	156	C12H12	000582-16-1	97
3	Naphthalene, 1,3-dimethyl-	156	C12H12	000575-41-7	97
4	Naphthalene, 1,7-dimethyl-	156	C12H12	000575-37-1	97
5	Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	97





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Data File : BG020315.D
Acq On : 19 Dec 2015 17:11
Operator : UM/SJ
Sample : G4849-08
Misc :
ALS Vial : 46 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N72

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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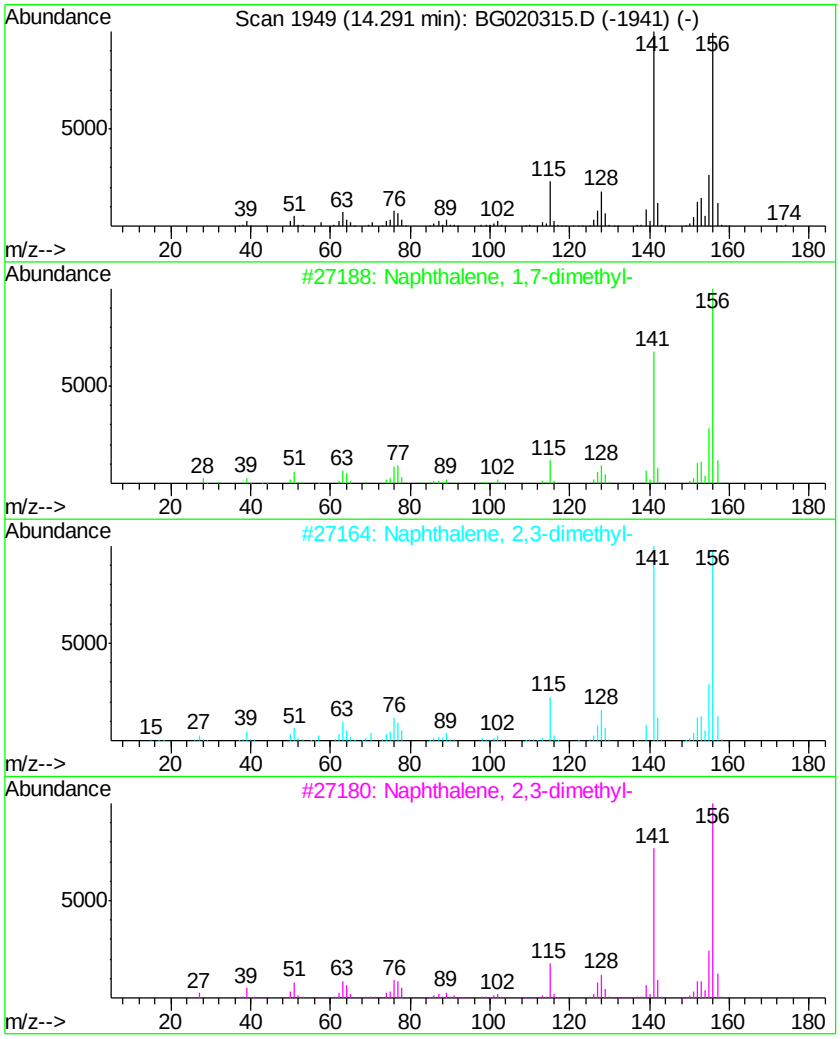
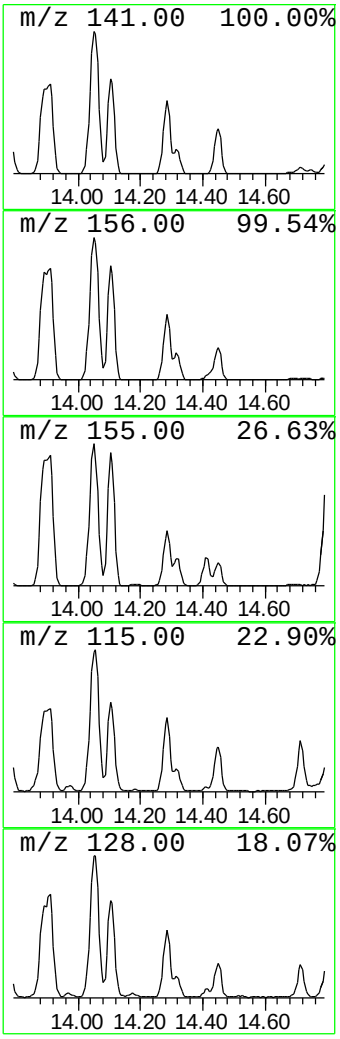
Peak Number 6 Naphthalene, 1,7-dimethyl- Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.29	10.31 ng/ul	896421	Acenaphthene-d10	14.73

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





Library Search Compound Report

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Sample : G4849-08
Misc :
ALS Vial : 46 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N72

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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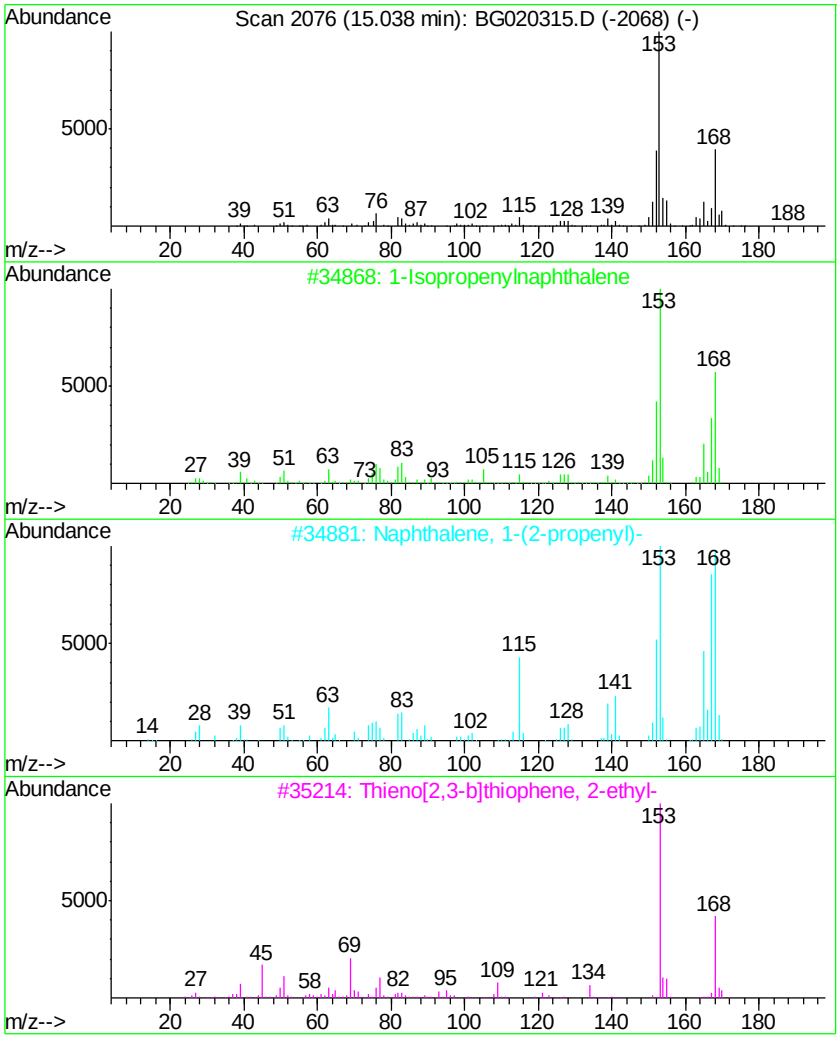
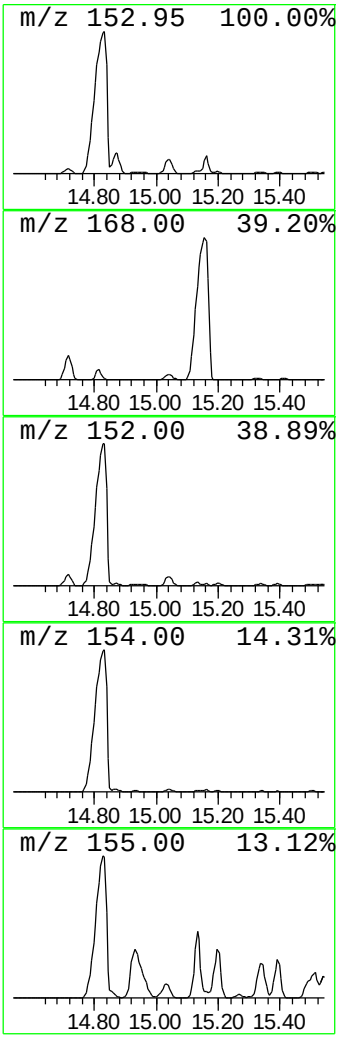
Peak Number 7 1-Isopropenylnaphthalene Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.04	8.90 ng/ul	774496	Acenaphthene-d10	14.73

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Isopropenylnaphthalene	168	C13H12	001855-47-6	83
2	Naphthalene, 1-(2-propenyl)-	168	C13H12	002489-86-3	72
3	Thieno[2,3-b]thiophene, 2-ethyl-	168	C8H8S2	005912-01-6	50
4	Ethanone, 1-(2,4,6-trihydroxyphe...	168	C8H8O4	000480-66-0	47
5	Acetophenone, 3'-fluoro-4'-methoxy-	168	C9H9FO2	000455-91-4	47





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Sample : G4849-08
Misc :
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Instrument : BNA_G
ClientSampleId : D9N72

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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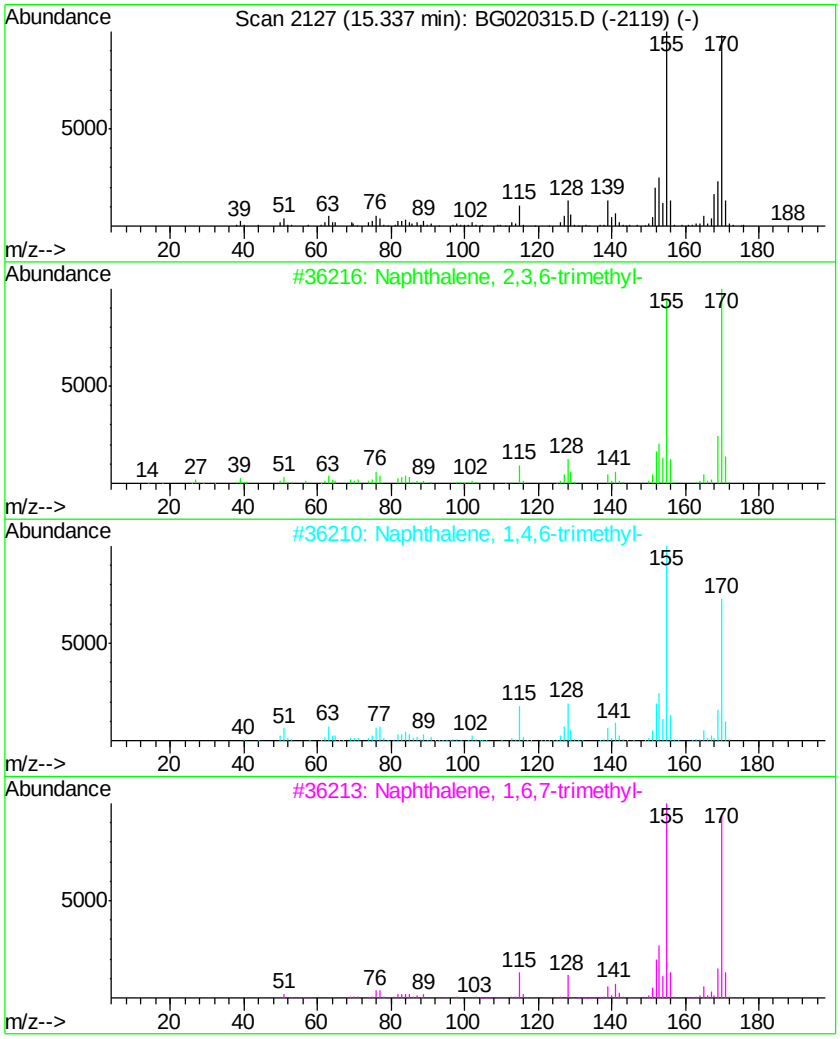
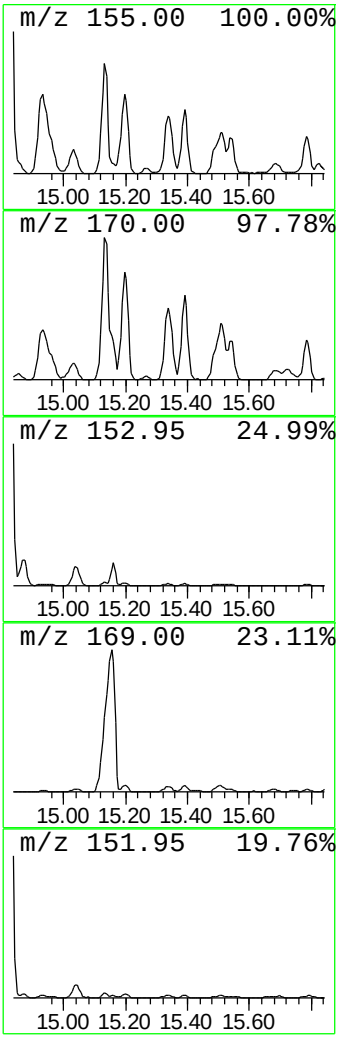
Peak Number 8 Naphthalene, 2,3,6-trimethyl- Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.34	5.53 ng/ul	480633	Acenaphthene-d10	14.73

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2,3,6-trimethyl-	170	C13H14	000829-26-5	98
2	Naphthalene, 1,4,6-trimethyl-	170	C13H14	002131-42-2	97
3	Naphthalene, 1,6,7-trimethyl-	170	C13H14	002245-38-7	96
4	Naphthalene, 1,6,7-trimethyl-	170	C13H14	002245-38-7	96
5	Naphthalene, 2,3,6-trimethyl-	170	C13H14	000829-26-5	95





Library Search Compound Report

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Acq On : 19 Dec 2015 17:11
Operator : UM/SJ
Sample : G4849-08
Misc :
ALS Vial : 46 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N72

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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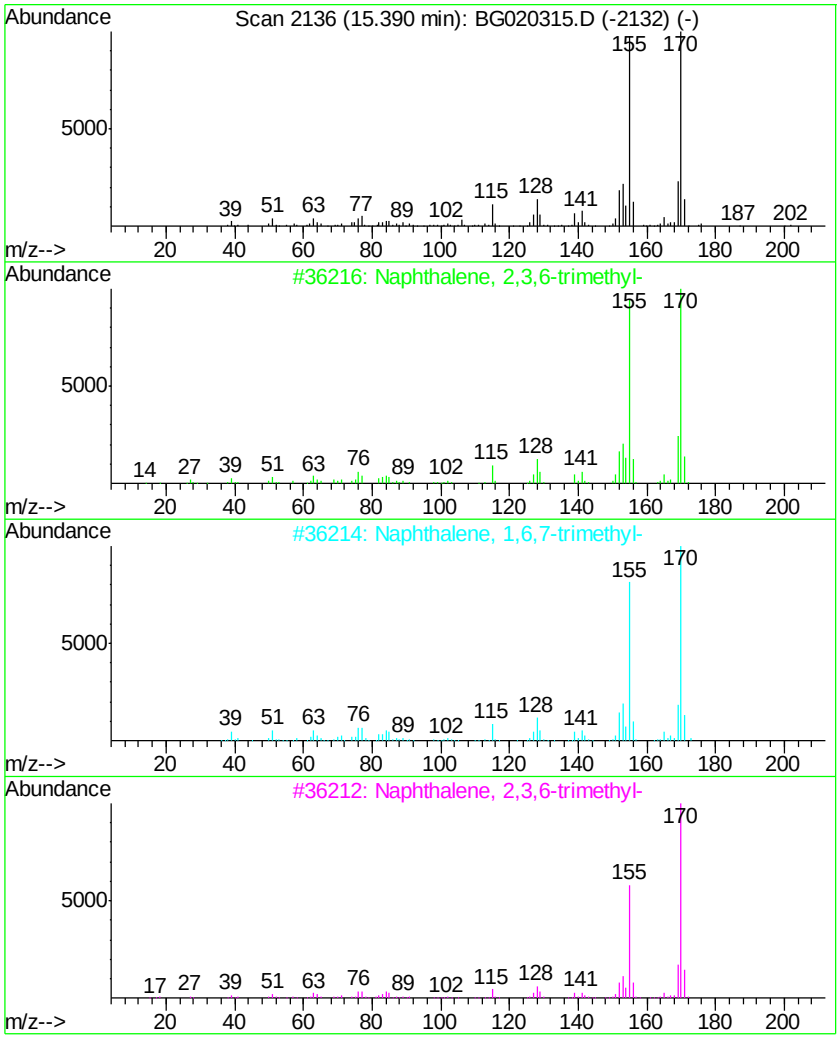
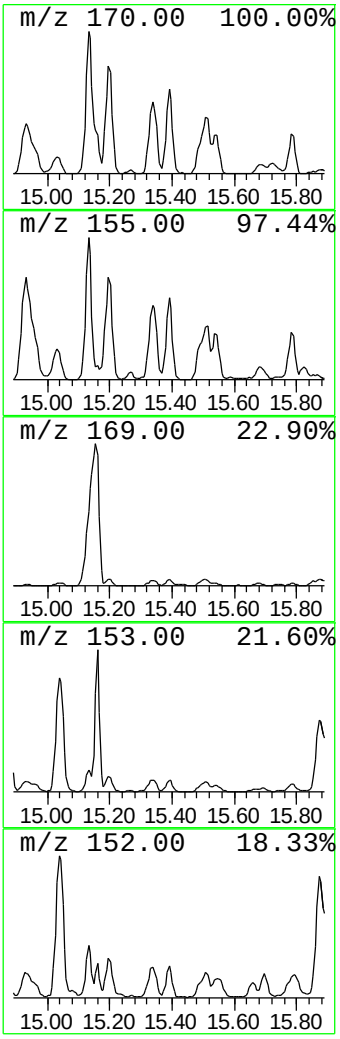
Peak Number 9 Naphthalene, 1,6,7-trimethyl- Concentration Rank 21

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.39	5.09 ng/ul	442498	Acenaphthene-d10	14.73

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	97
3	Naphthalene, 2,3,6-trimethyl-	170	C13H14	000829-26-5	96
4	Naphthalene, 1,4,6-trimethyl-	170	C13H14	002131-42-2	96
5	Naphthalene, 2,3,6-trimethyl-	170	C13H14	000829-26-5	96





Library Search Compound Report

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Acq On : 19 Dec 2015 17:11
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Misc :
ALS Vial : 46 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N72

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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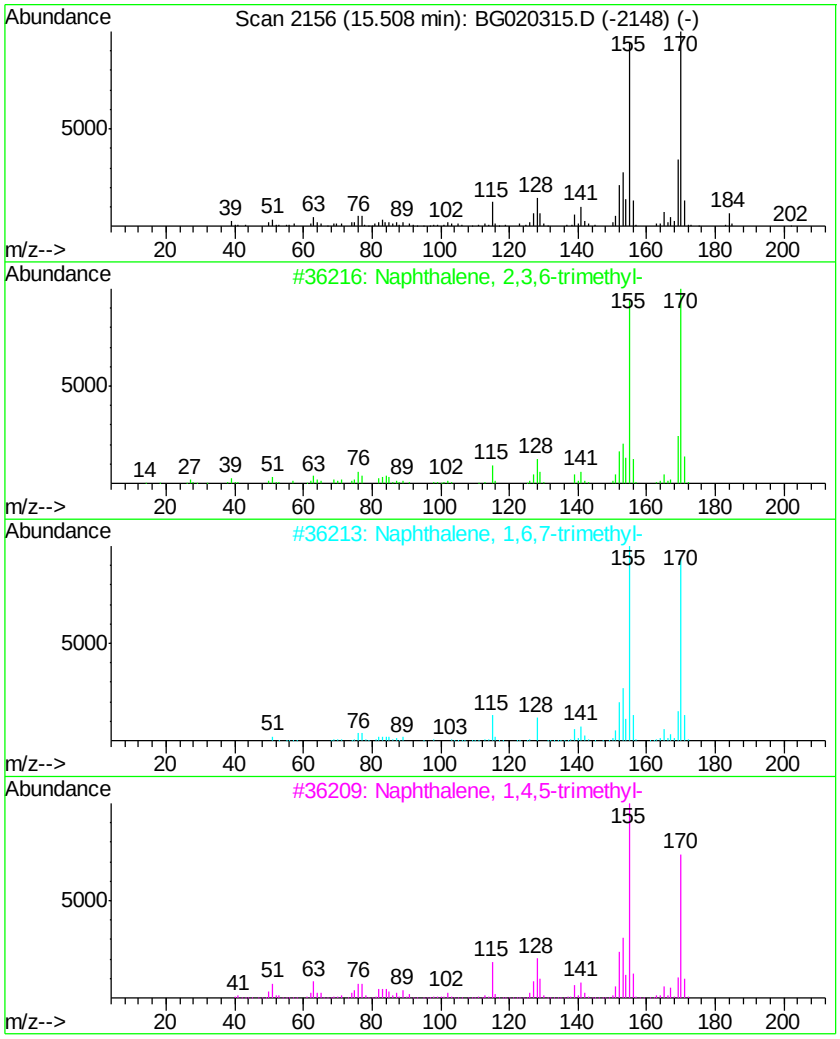
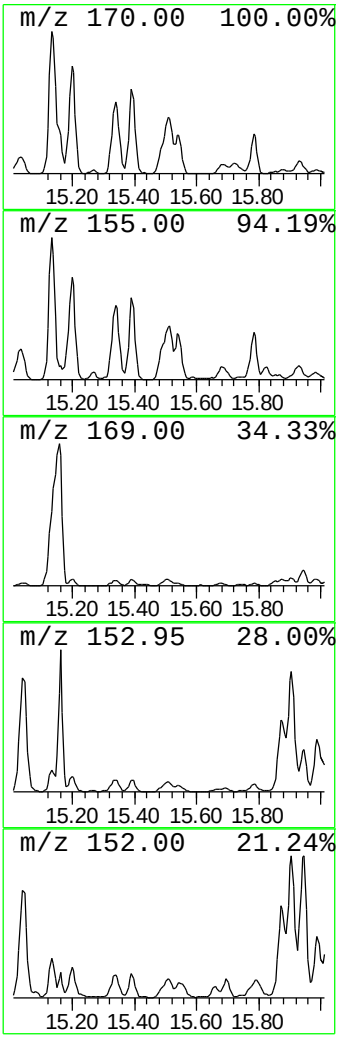
Peak Number 10 Naphthalene, 1,4,5-trimethyl- Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.51	5.24 ng/ul	455794	Acenaphthene-d10	14.73

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	98
3	Naphthalene, 1,4,5-trimethyl-	170	C13H14	002131-41-1	96
4	Naphthalene, 1,4,6-trimethyl-	170	C13H14	002131-42-2	95
5	Naphthalene, 1,6,7-trimethyl-	170	C13H14	002245-38-7	95





Library Search Compound Report

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Acq On : 19 Dec 2015 17:11
Operator : UM/SJ
Sample : G4849-08
Misc :
ALS Vial : 46 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N72

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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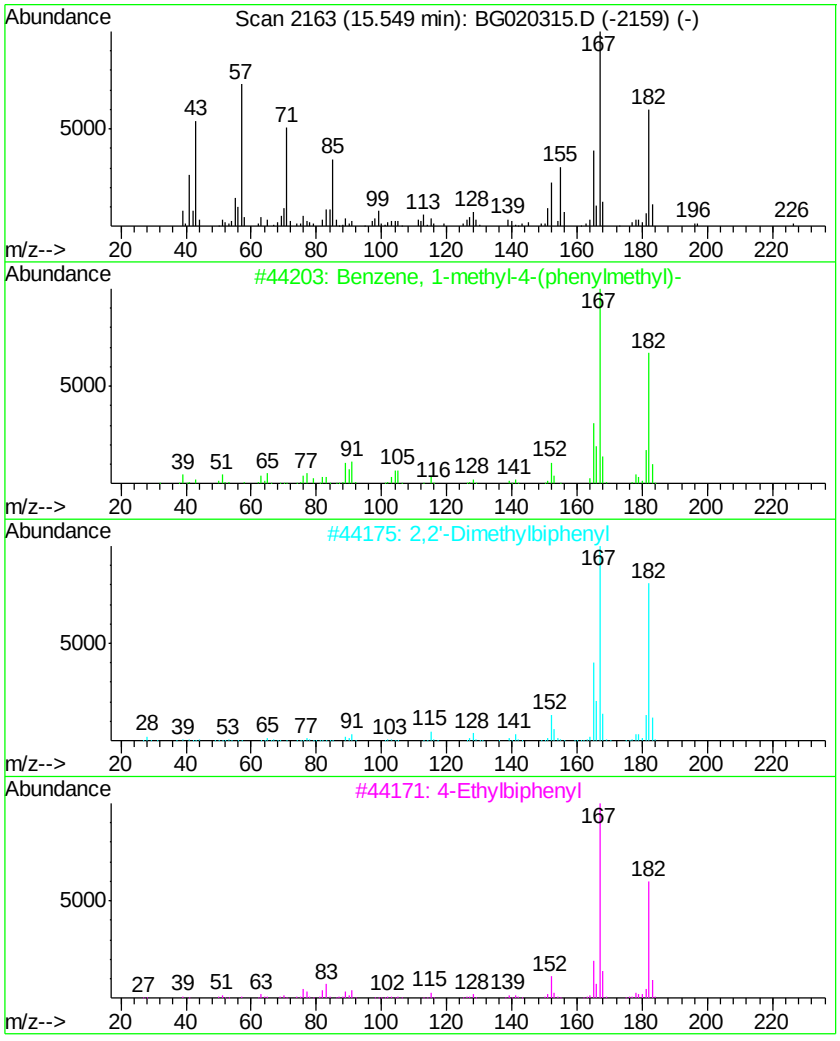
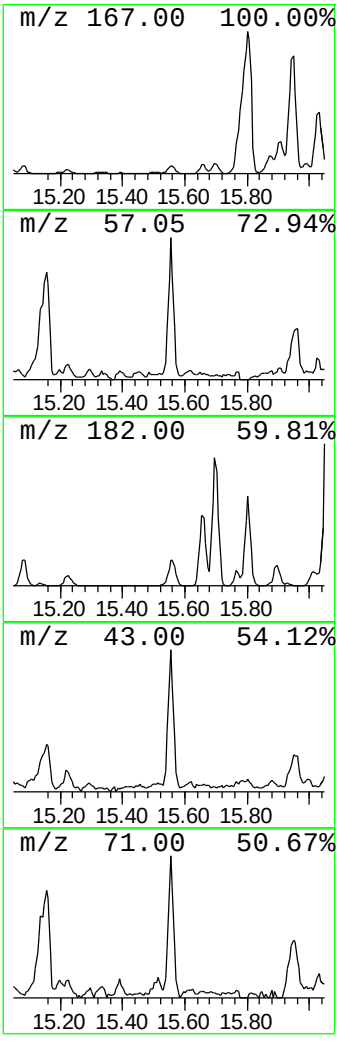
Peak Number 11 Benzene, 1-methyl-4-(phenyl... Concentration Rank 26

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.55	3.48 ng/ul	303095	Acenaphthene-d10	14.73

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-methyl-4-(phenylmethyl)-	182	C14H14	000620-83-7	64
2	2,2'-Dimethylbiphenyl	182	C14H14	000605-39-0	58
3	4-Ethylbiphenyl	182	C14H14	005707-44-8	55
4	Benzene, 1-methyl-3-(phenylmethyl)-	182	C14H14	000620-47-3	52
5	1,1'-Biphenyl, 2,3'-dimethyl-	182	C14H14	000611-43-8	52





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Acq On : 19 Dec 2015 17:11
Operator : UM/SJ
Sample : G4849-08
Misc :
ALS Vial : 46 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N72

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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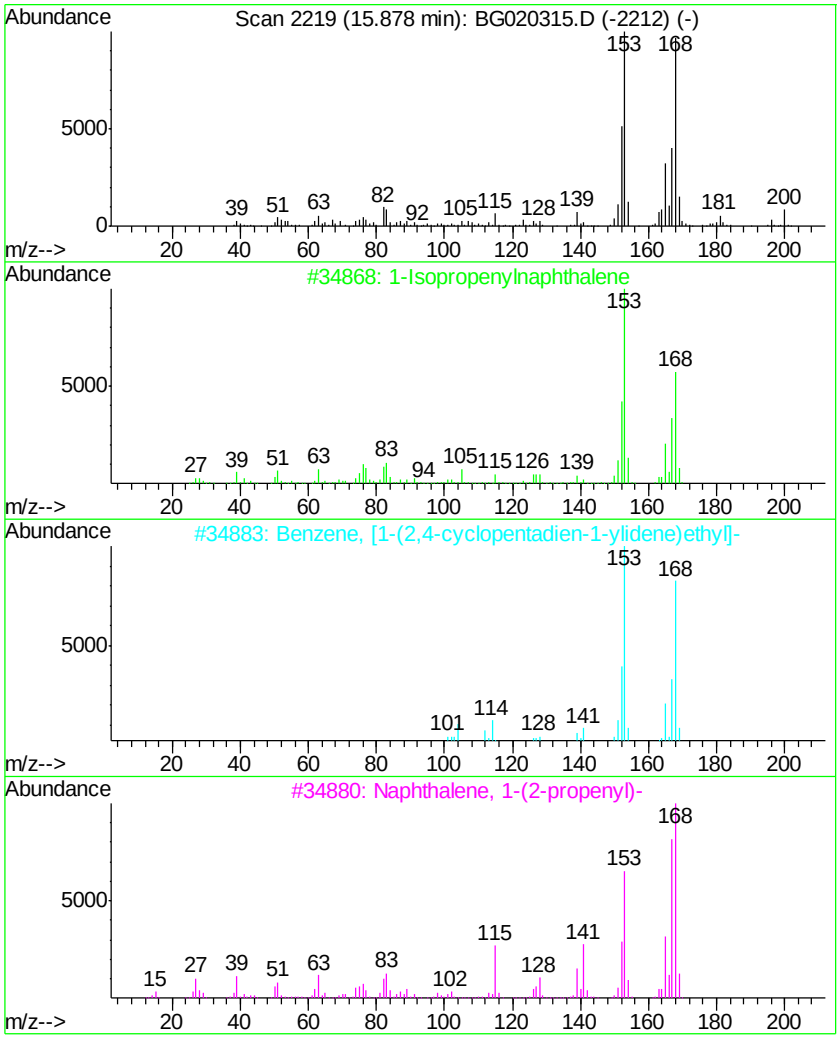
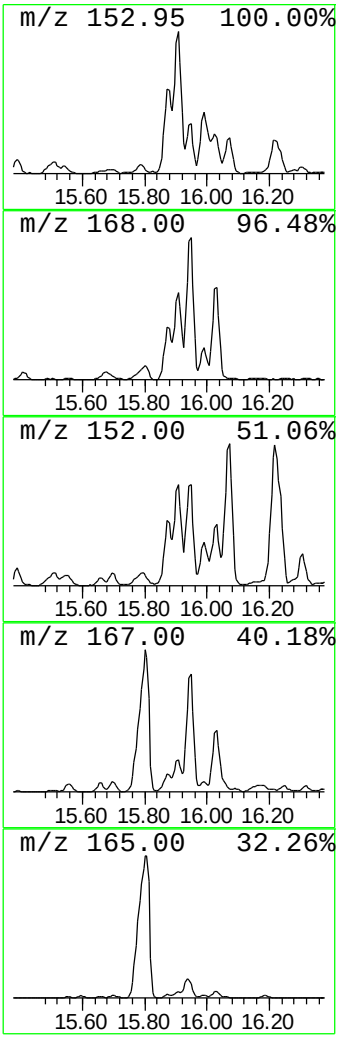
Peak Number 12 1-Isopropenylnaphthalene Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.88	9.27 ng/ul	806625	Acenaphthene-d10	14.73

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Isopropenylnaphthalene	168	C13H12	001855-47-6	87
2	Benzene, [1-(2,4-cyclopentadien-...	168	C13H12	002320-32-3	87
3	Naphthalene, 1-(2-propenyl)-	168	C13H12	002489-86-3	64
4	Naphthalene, 1-(2-propenyl)-	168	C13H12	002489-86-3	64
5	3-Hydroxy-4-methoxybenzoic acid	168	C8H8O4	000645-08-9	49





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Sample : G4849-08
Misc :
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Instrument : BNA_G
ClientSampleId : D9N72

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Quant Title : SVOA CALIBRATION

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

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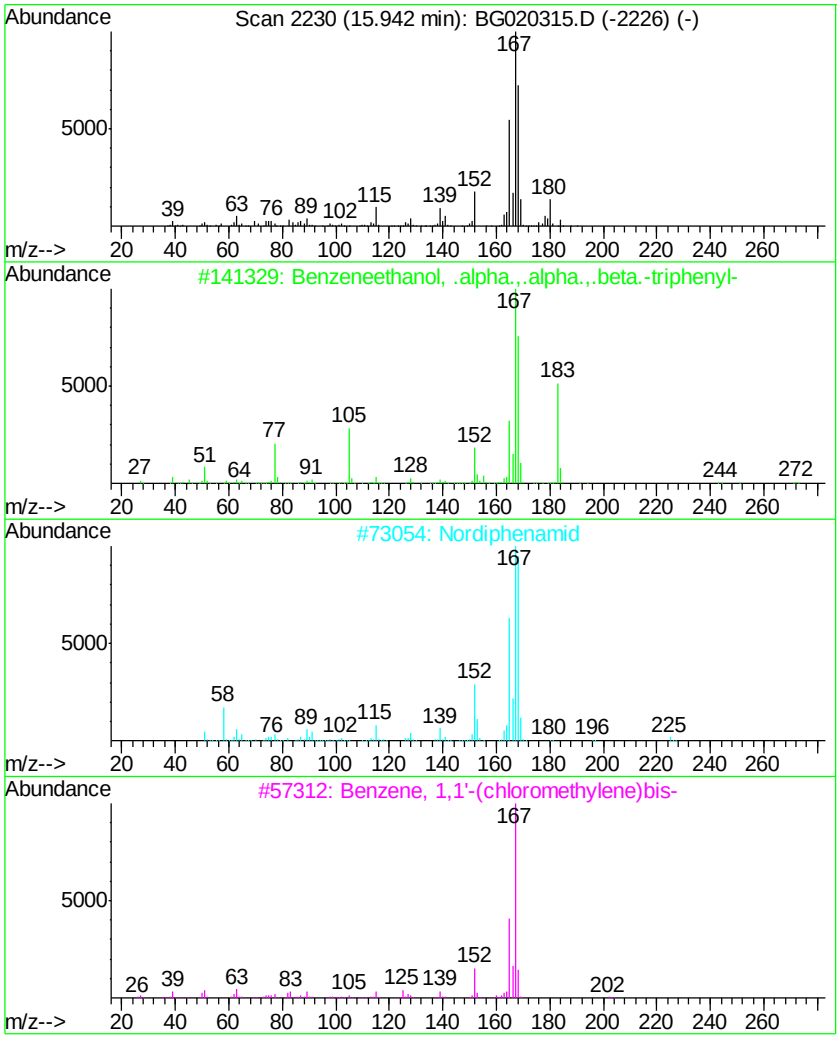
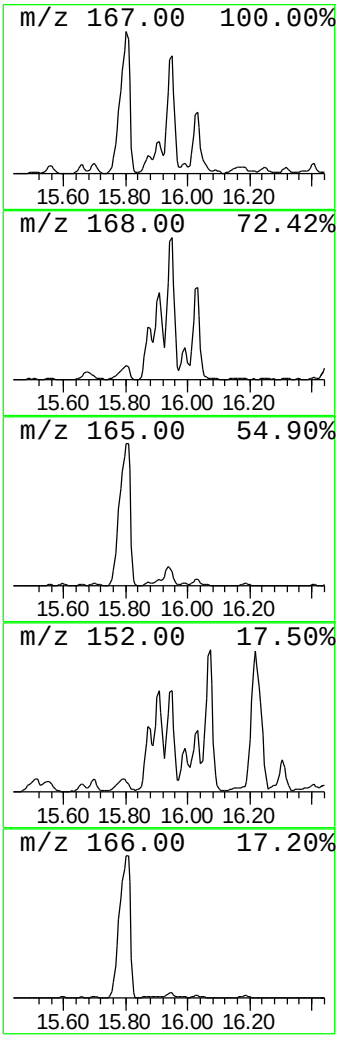
Peak Number 14 Benzeneethanol, .alpha.,.al... Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.94	21.97 ng/ul	1911480	Acenaphthene-d10	14.73

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzeneethanol, .alpha.,.alpha.,...	350	C26H22O	000981-24-8	64
2	Nordiphenamid	225	C15H15NO	000954-21-2	58
3	Benzene, 1,1'-(chloromethylene)bis-	202	C13H11Cl	000090-99-3	53
4	Fluorene, 2,4a-dihydro-	168	C13H12	059247-36-8	52
5	1,1'-Biphenyl, 2-methyl-	168	C13H12	000643-58-3	50





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ClientSampleId : D9N72

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Quant Title : SVOA CALIBRATION

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

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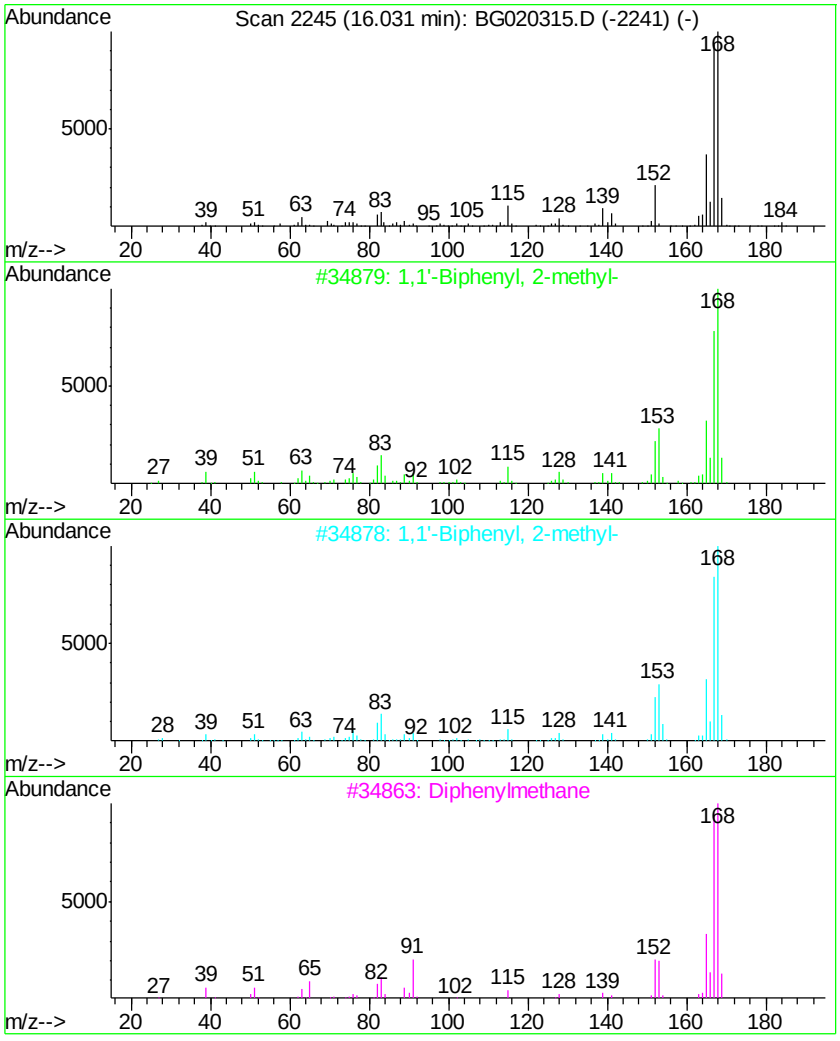
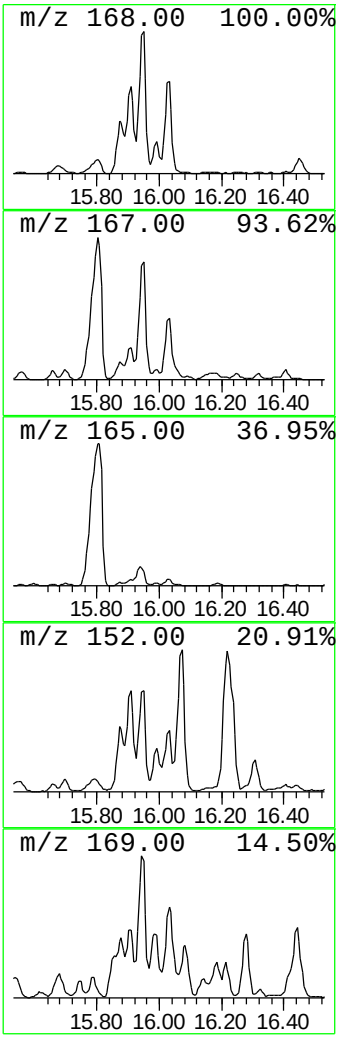
Peak Number 16 1,1'-Biphenyl, 2-methyl- Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.03	9.47 ng/ul	823896	Acenaphthene-d10	14.73

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





Library Search Compound Report

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Instrument : BNA_G
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Quant Title : SVOA CALIBRATION

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

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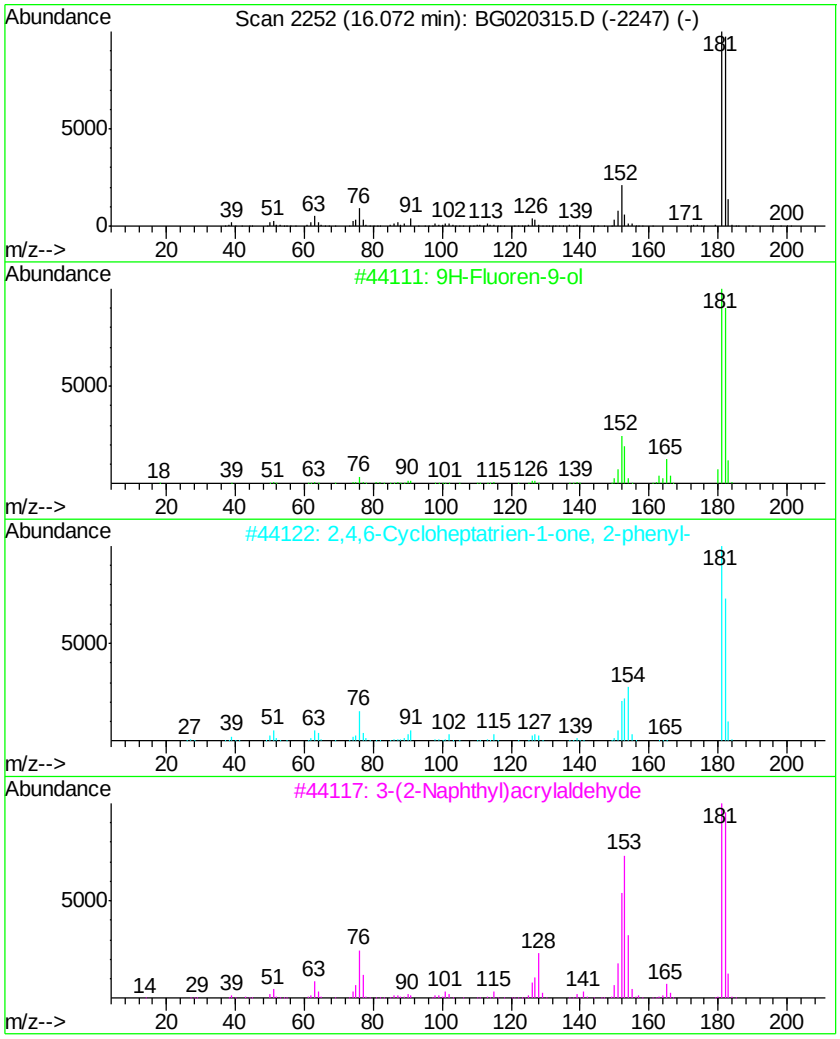
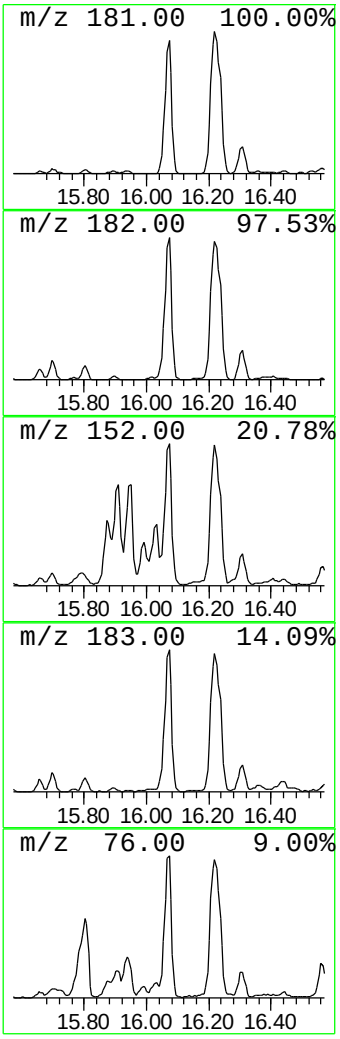
Peak Number 17 9H-Fluoren-9-ol Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.07	25.26 ng/ul	2197250	Acenaphthene-d10	14.73

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9H-Fluoren-9-ol	182	C13H10O	001689-64-1	86
2	2,4,6-Cycloheptatrien-1-one, 2-p...	182	C13H10O	014562-09-5	83
3	3-(2-Naphthyl)acrylaldehyde	182	C13H10O	020884-05-3	72
4	Dibenzofuran, 4-methyl-	182	C13H10O	007320-53-8	64
5	[1,1'-Biphenyl]-4-carboxaldehyde	182	C13H10O	003218-36-8	64





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ClientSampleId : D9N72

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Quant Title : SVOA CALIBRATION

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

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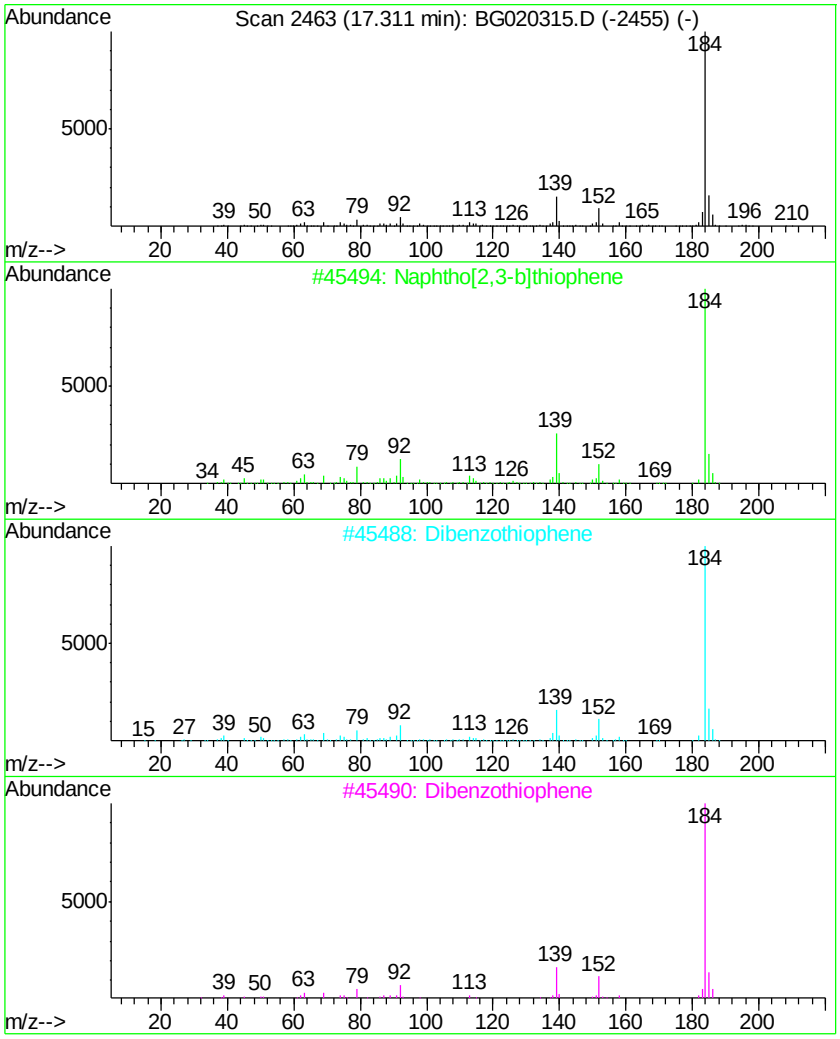
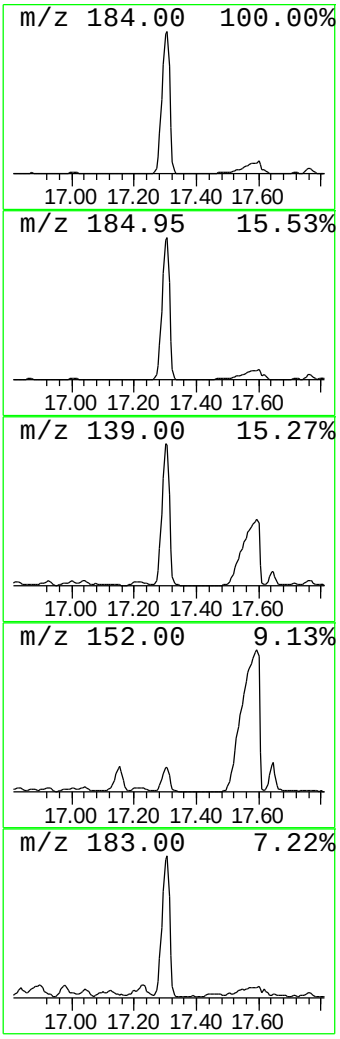
Peak Number 18 Naphtho[2,3-b]thiophene Concentration Rank 34

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.31	2.01 ng/ul	3666190	Phenanthrene-d10	17.49

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphtho[2,3-b]thiophene	184	C12H8S	000268-77-9	97
2	Dibenzothiophene	184	C12H8S	000132-65-0	95
3	Dibenzothiophene	184	C12H8S	000132-65-0	94
4	Dibenzothiophene	184	C12H8S	000132-65-0	94
5	Dibenzothiophene	184	C12H8S	000132-65-0	94





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Acq On : 19 Dec 2015 17:11
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ALS Vial : 46 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N72

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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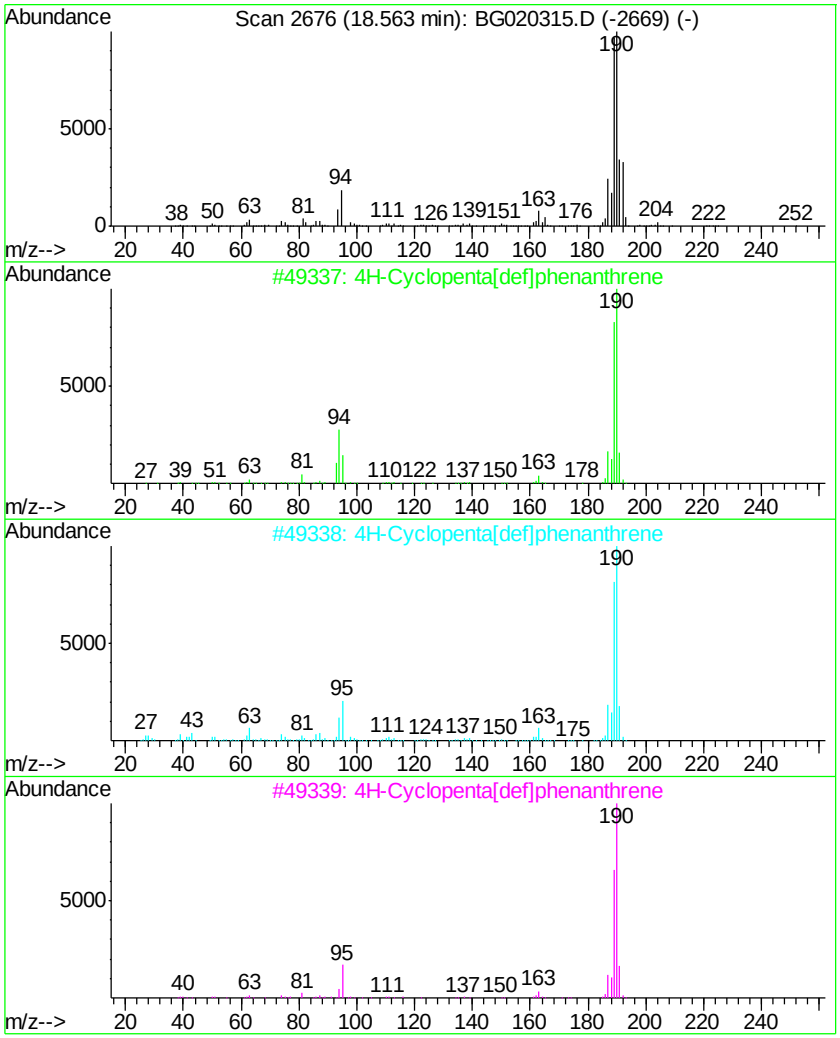
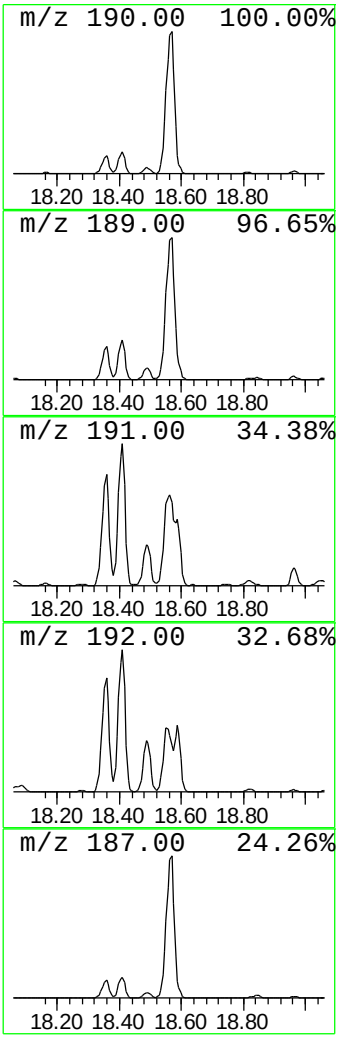
Peak Number 19 4H-Cyclopenta[def]phenanthrene Concentration Rank 23

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.56	4.18 ng/ul	7624650	Phenanthrene-d10	17.49

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	83
2	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	76
3	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	64
4	Thiophene-3-carboxaldehyde, 5-ch...	190	C5H4BClO3S	036155-87-0	64
5	2,3,5,6-Tetramethylterephthalald...	190	C12H14O2	007072-01-7	50





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Data File : BG020315.D
Acq On : 19 Dec 2015 17:11
Operator : UM/SJ
Sample : G4849-08
Misc :
ALS Vial : 46 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N72

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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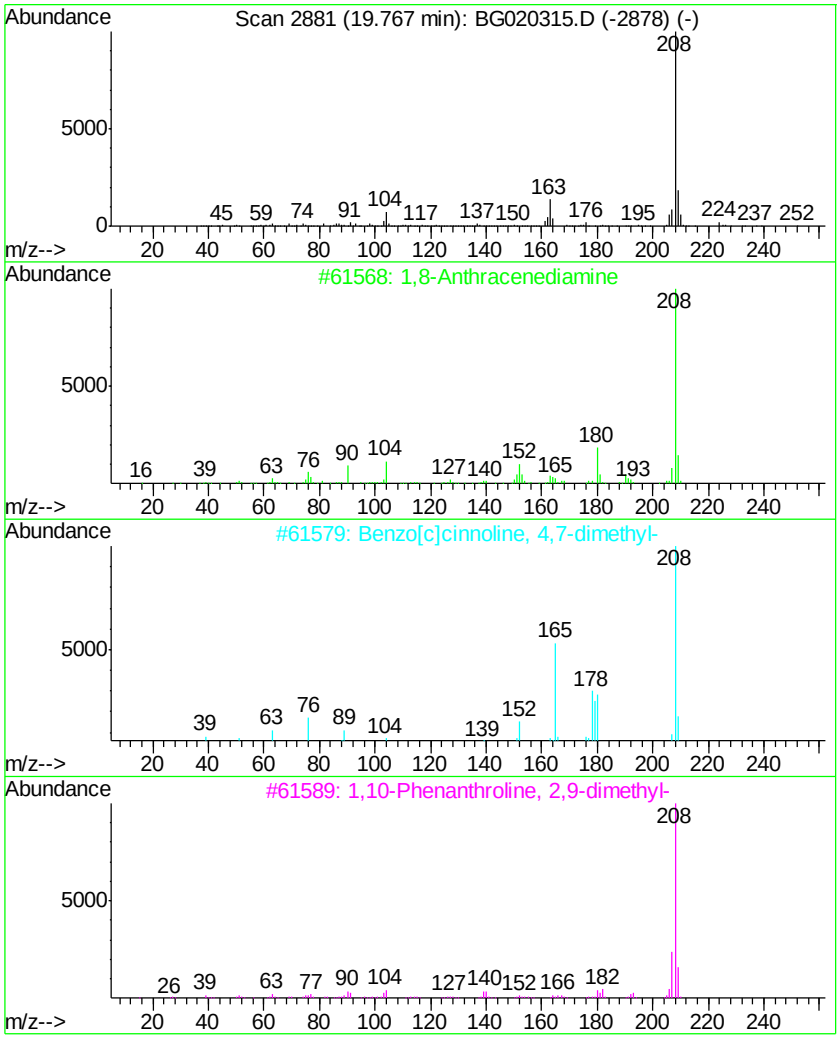
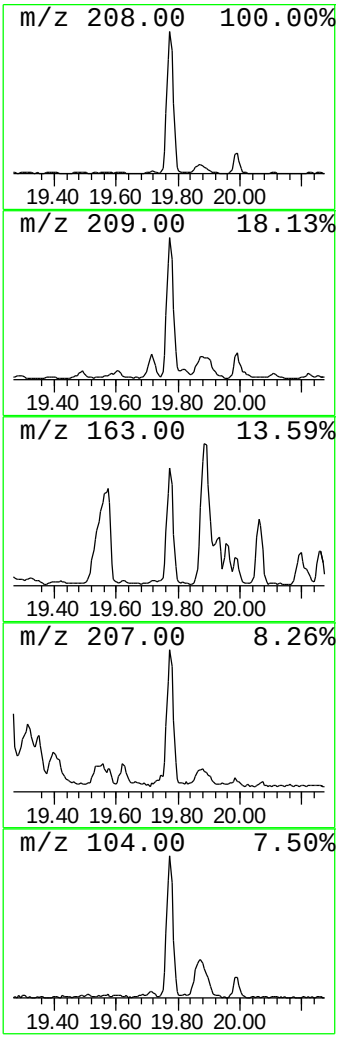
Peak Number 20 1,8-Anthracenediamine Concentration Rank 30

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.77	2.97 ng/ul	958027	Chrysene-d12	21.77

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,8-Anthracenediamine	208	C14H12N2	139312-39-3	64
2	Benzo[c]cinnoline, 4,7-dimethyl-	208	C14H12N2	020684-54-2	64
3	1,10-Phenanthroline, 2,9-dimethyl-	208	C14H12N2	000484-11-7	64
4	Benzene, 1,1'-(2-methyl-2-propen...	208	C16H16	070813-56-8	59
5	1,10-Phenanthroline, 2,9-dimethyl-	208	C14H12N2	000484-11-7	59





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Acq On : 19 Dec 2015 17:11
Operator : UM/SJ
Sample : G4849-08
Misc :
ALS Vial : 46 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N72

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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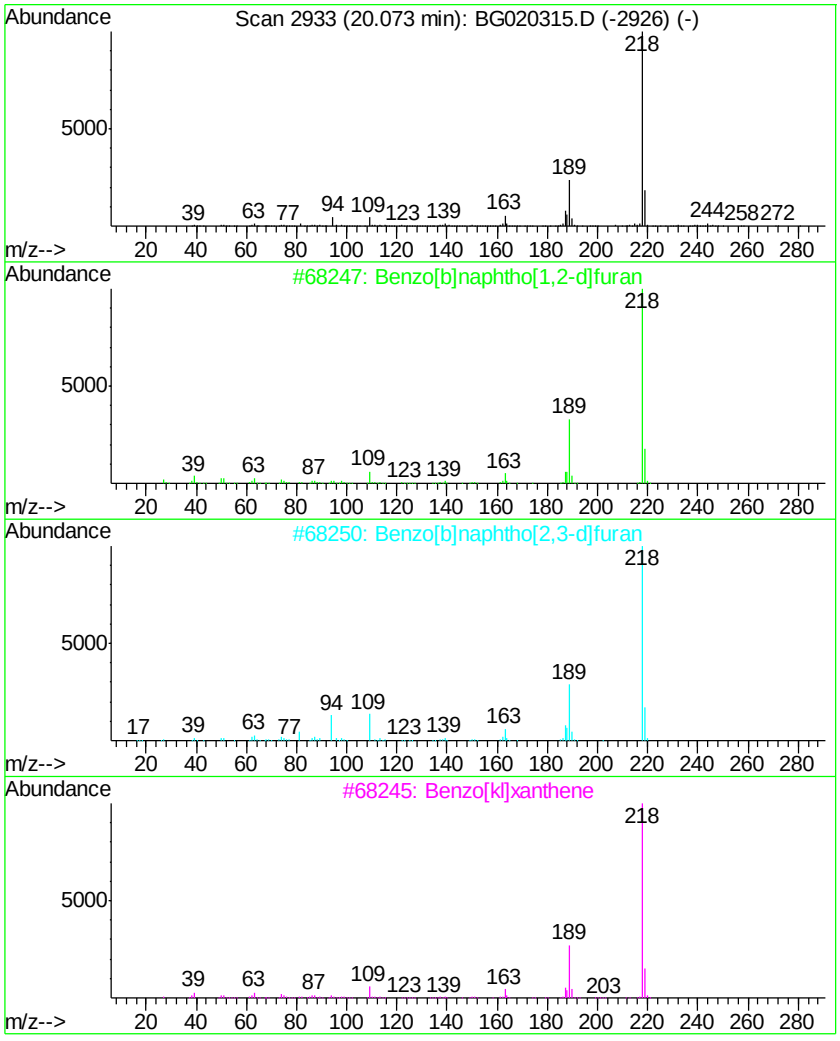
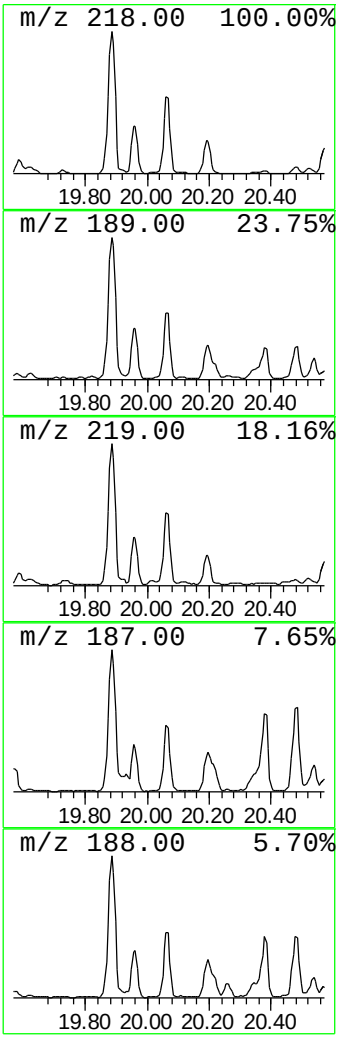
Peak Number 21 Benzo[b]naphtho[1,2-d]furan Concentration Rank 27

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.07	3.45 ng/ul	1110230	Chrysene-d12	21.77

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[b]naphtho[1,2-d]furan	218	C16H10O	000239-30-5	97
2	Benzo[b]naphtho[2,3-d]furan	218	C16H10O	000243-42-5	95
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	Indeno[2,1-b]chromene,	218	C16H10O	000243-24-3	91





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Acq On : 19 Dec 2015 17:11
Operator : UM/SJ
Sample : G4849-08
Misc :
ALS Vial : 46 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N72

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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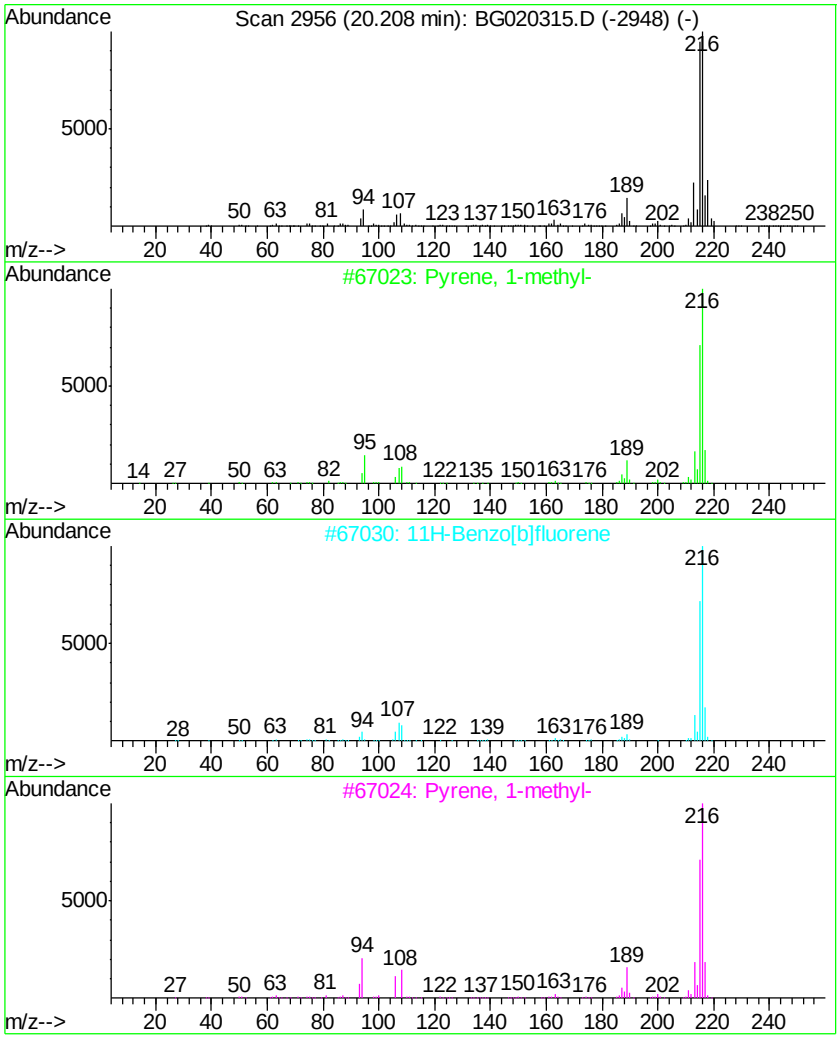
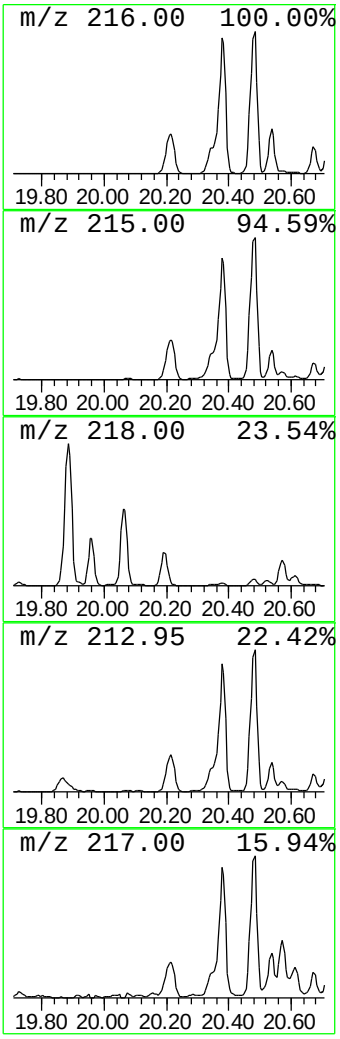
Peak Number 22 Pyrene, 1-methyl- Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.21	5.32 ng/ul	1715050	Chrysene-d12	21.77

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene, 1-methyl-	216	C17H12	002381-21-7	93
2	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	90
3	Pyrene, 1-methyl-	216	C17H12	002381-21-7	83
4	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	81
5	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	81





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Acq On : 19 Dec 2015 17:11
Operator : UM/SJ
Sample : G4849-08
Misc :
ALS Vial : 46 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N72

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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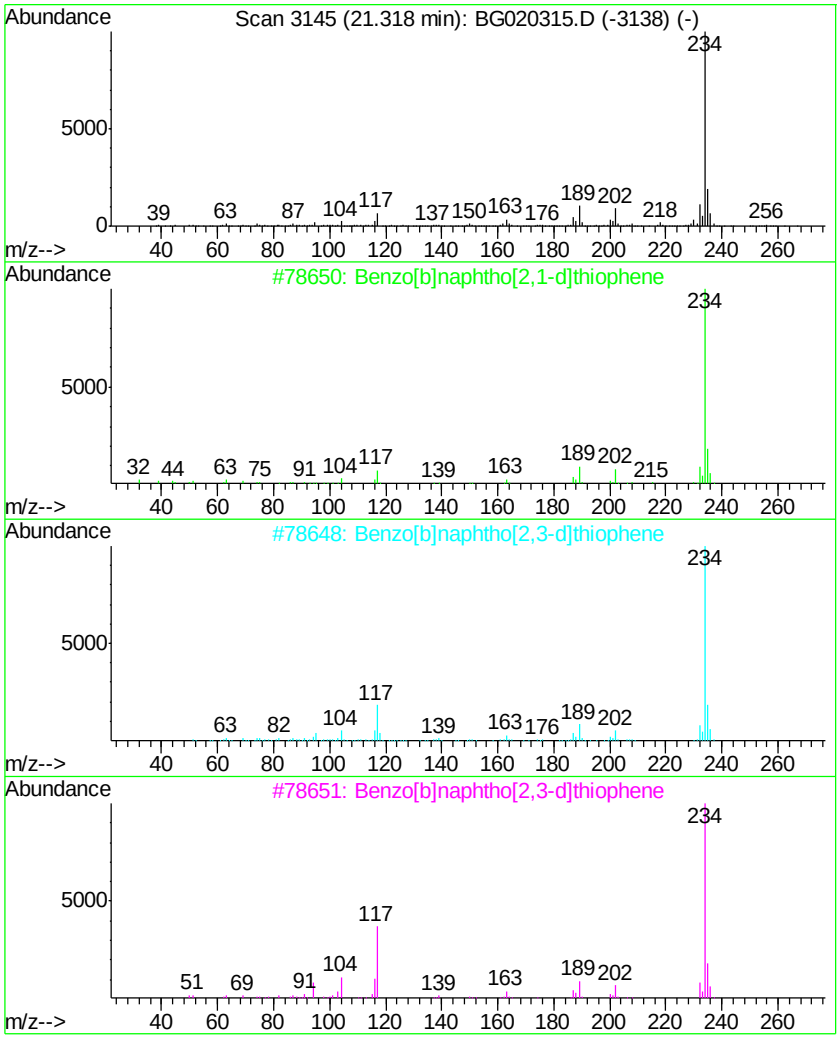
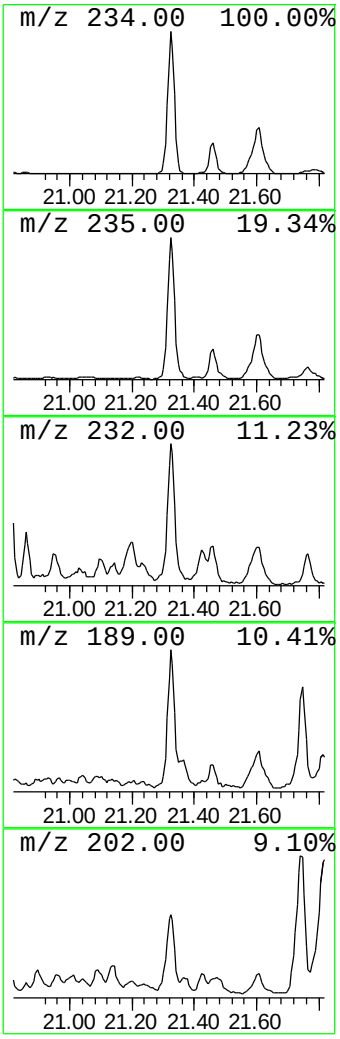
Peak Number 26 Benzo[b]naphtho[2,1-d]thiop... Concentration Rank 28

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.32	3.44 ng/ul	1109720	Chrysene-d12	21.77

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[b]naphtho[2,1-d]thiophene	234	C16H10S	000239-35-0	98
2	Benzo[b]naphtho[2,3-d]thiophene	234	C16H10S	000243-46-9	94
3	Benzo[b]naphtho[2,3-d]thiophene	234	C16H10S	000243-46-9	94
4	Benzo[b]naphtho[2,1-d]thiophene	234	C16H10S	000239-35-0	94
5	Benzo[b]naphtho[1,2-d]thiophene	234	C16H10S	000205-43-6	91





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Acq On : 19 Dec 2015 17:11
Operator : UM/SJ
Sample : G4849-08
Misc :
ALS Vial : 46 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N72

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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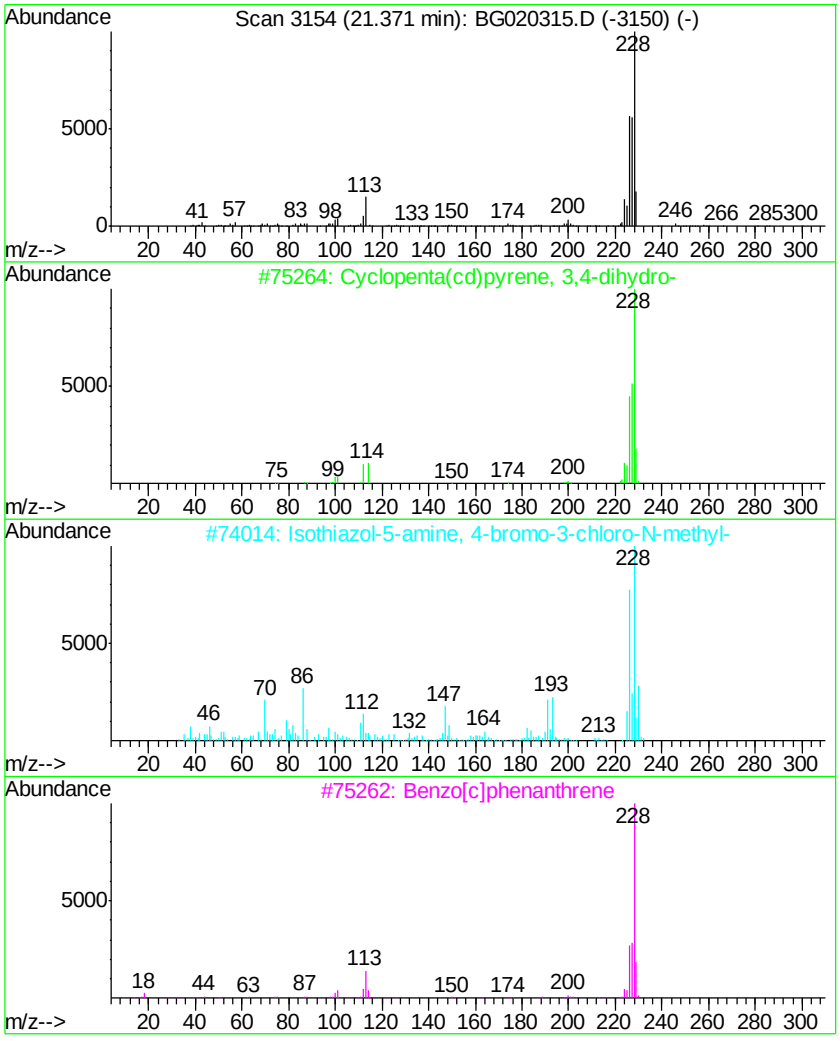
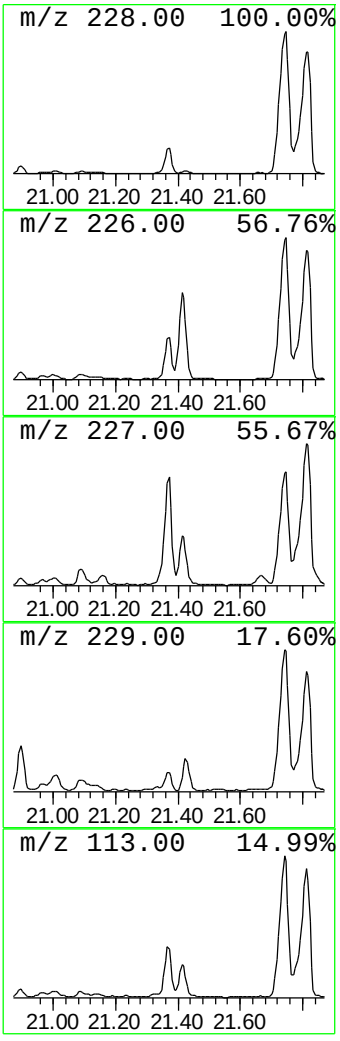
Peak Number 27 Cyclopenta(cd)pyrene, 3,4-d... Concentration Rank 29

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.37	3.25 ng/ul	1048320	Chrysene-d12	21.77

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopenta(cd)pyrene, 3,4-dihydro-	228	C18H12	025732-74-5	86
2	Isothiazol-5-amine, 4-bromo-3-ch...	226	C4H4BrClN2S	1000272-59-9	53
3	Benzo[c]phenanthrene	228	C18H12	000195-19-7	52
4	Triphenylene	228	C18H12	000217-59-4	49
5	Chrysene	228	C18H12	000218-01-9	49





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Data File : BG020315.D
Acq On : 19 Dec 2015 17:11
Operator : UM/SJ
Sample : G4849-08
Misc :
ALS Vial : 46 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N72

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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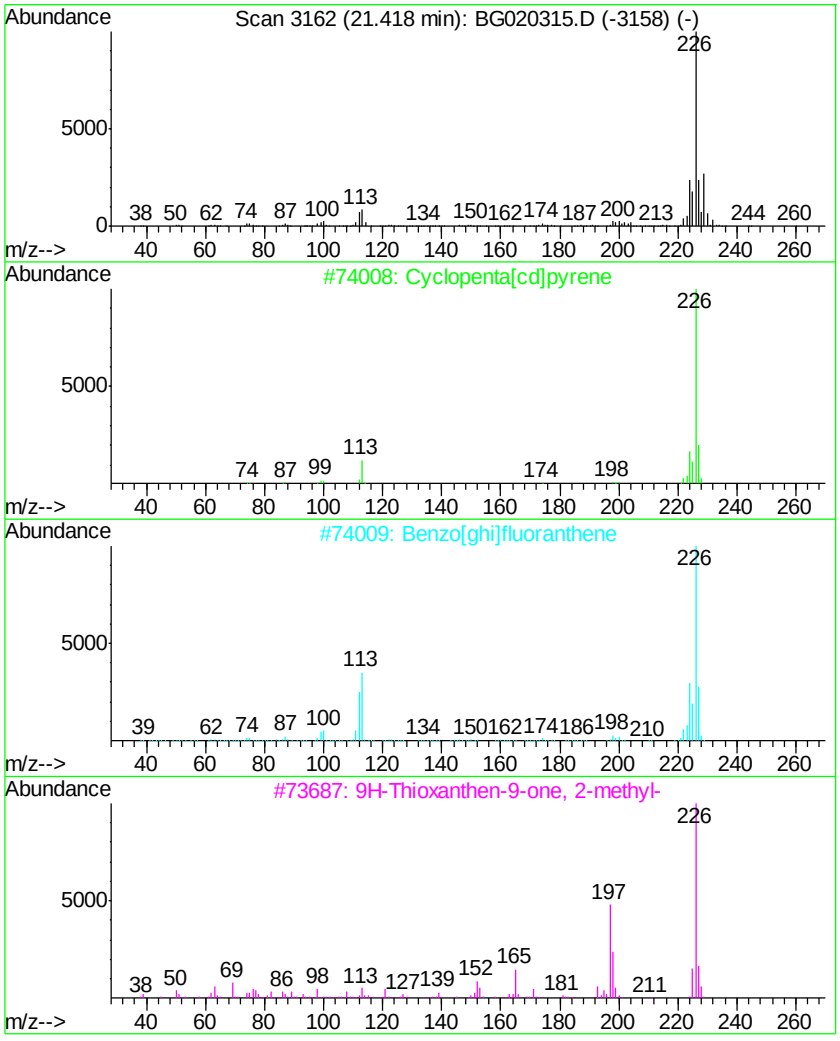
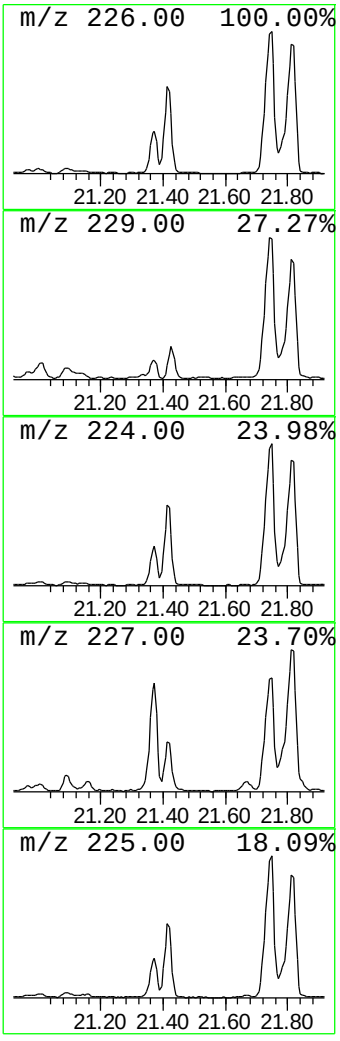
Peak Number 28 Cyclopenta[cd]pyrene Concentration Rank 31

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.42	2.66 ng/ul	855690	Chrysene-d12	21.77

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopenta[cd]pyrene	226	C18H10	027208-37-3	58
2	Benzo[ghi]fluoranthene	226	C18H10	000203-12-3	53
3	9H-Thioxanthen-9-one, 2-methyl-	226	C14H10OS	015774-82-0	50
4	1,3-Diamino-5,6-dihydro-7-methyl...	226	C13H14N4	037436-37-6	38
5	6-Methyl-4-phenyl-3-cyanopyridin...	226	C13H10N2S	078564-23-5	38





Data Path : Z:\HPCHEM1\BNA G\DATA\BG121915\
Data File : BG020315.D
Acq On : 19 Dec 2015 17:11
Operator : UM/SJ
Sample : G4849-08
Misc :
ALS Vial : 46 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N72

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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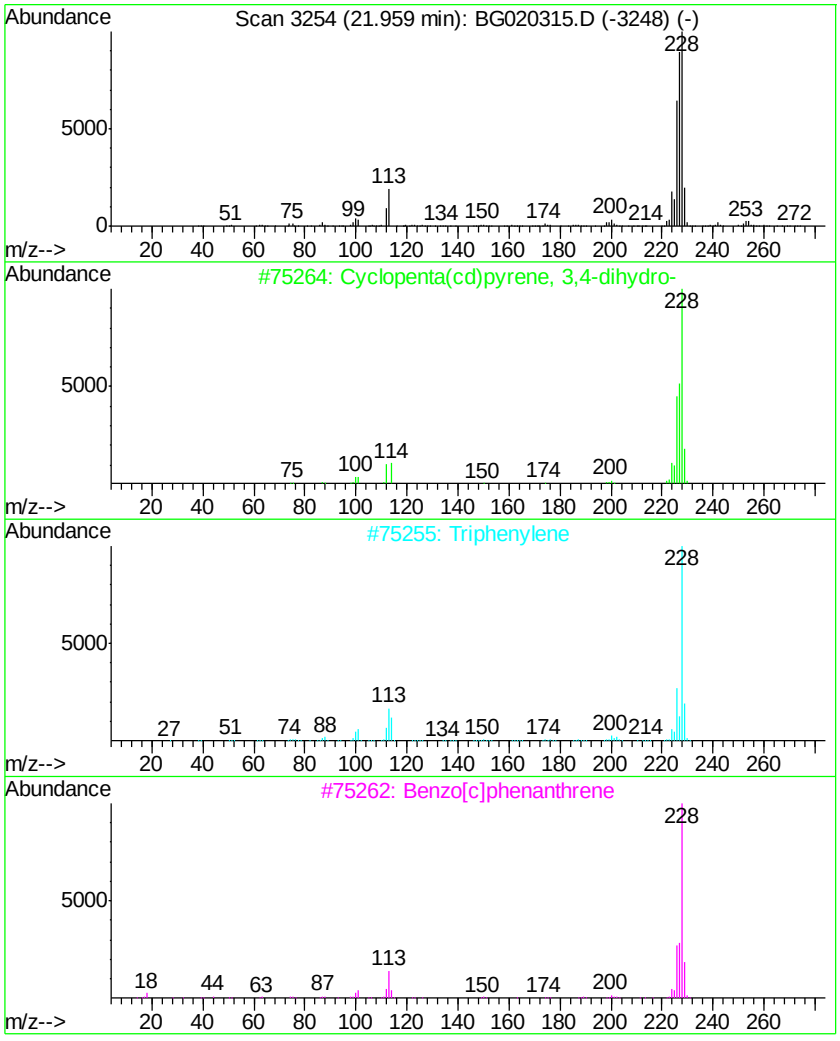
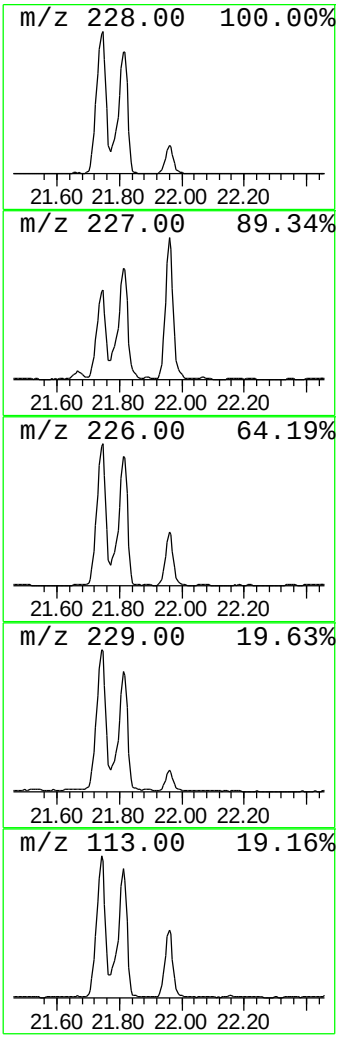
Peak Number 29 Cyclopenta(cd)pyrene, 3,4-d... Concentration Rank 24

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.96	4.13 ng/ul	1332090	Chrysene-d12	21.77

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopenta(cd)pyrene, 3,4-dihydro-	228	C18H12	025732-74-5	87
2	Triphenylene	228	C18H12	000217-59-4	50
3	Benzo[c]phenanthrene	228	C18H12	000195-19-7	46
4	Benzo[c]phenanthrene	228	C18H12	000195-19-7	43
5	Triphenylene	228	C18H12	000217-59-4	43





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Acq On : 19 Dec 2015 17:11
Operator : UM/SJ
Sample : G4849-08
Misc :
ALS Vial : 46 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N72

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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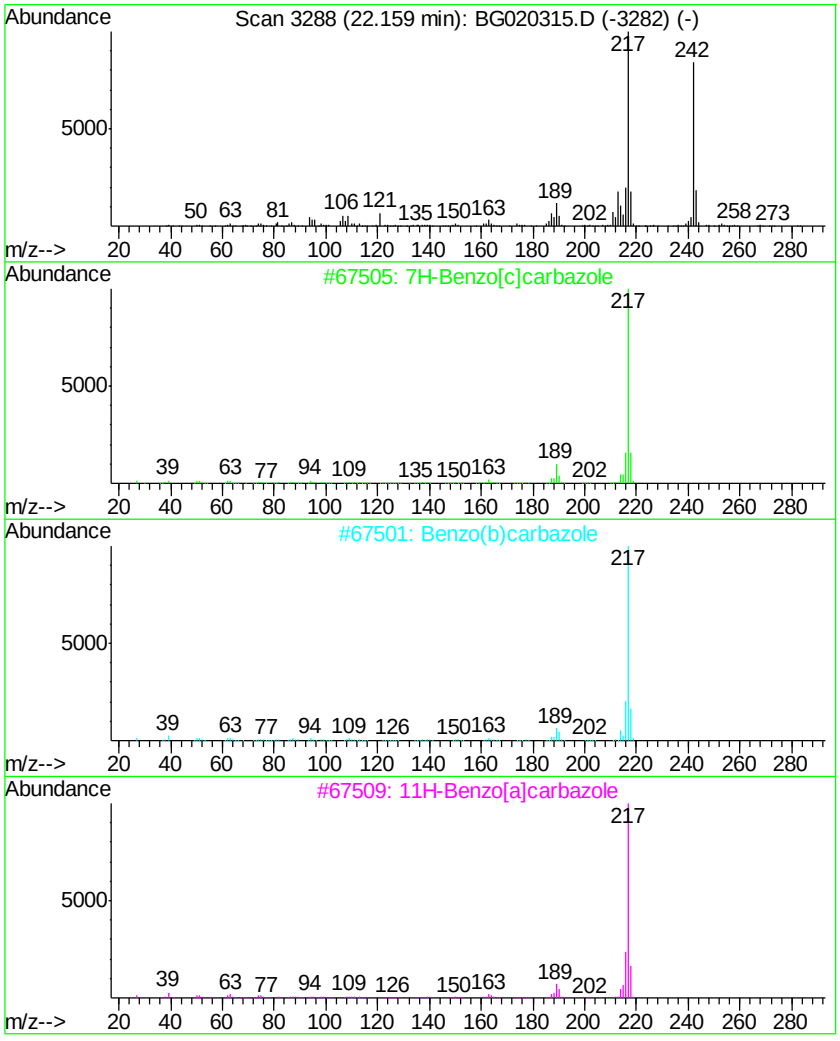
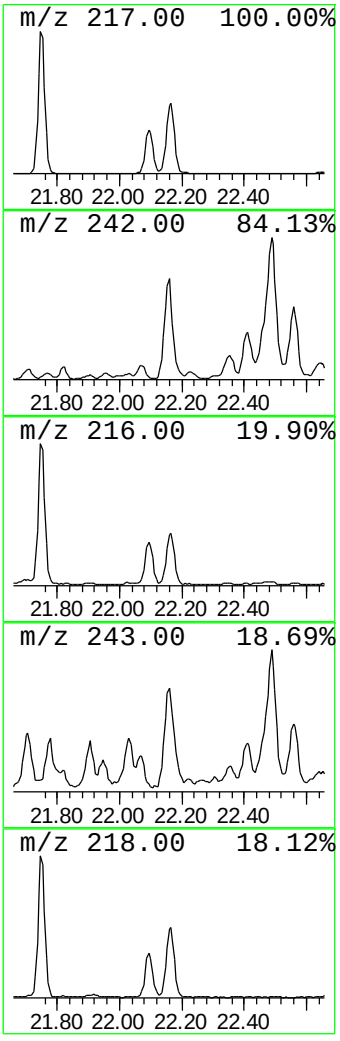
Peak Number 30 7H-Benzo[c]carbazole Concentration Rank 33

R.T.	EstConc	Area	Relative to ISTD	R.T.
22.16	2.07 ng/ul	665768	Chrysene-d12	21.77

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	7H-Benzo[c]carbazole	217	C16H11N	000205-25-4	55
2	Benzo(b)carbazole	217	C16H11N	000243-28-7	55
3	11H-Benzo[a]carbazole	217	C16H11N	000239-01-0	50
4	11H-Benzo[a]carbazole	217	C16H11N	000239-01-0	50
5	7H-Benzo[c]carbazole	217	C16H11N	000205-25-4	46





Tentatively Identified Compound (LSC) summary

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG121915\
Data File : BG020315.D
Acq On : 19 Dec 2015 17:11
Operator : UM/SJ
Sample : G4849-08
Misc :
ALS Vial : 46 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N72

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
Benzene, 1-propynyl-	8.63	20.0	ng/ul	456953	1	8.09	456953	20.0
Naphthalene, 1-me...	12.80	6.6	ng/ul	4949030	2	10.92	14933800	20.0
Naphthalene, 1-et...	13.76	18.8	ng/ul	1636940	3	14.73	1739740	20.0
Naphthalene, 1,5-...	13.91	29.7	ng/ul	2581950	3	14.73	1739740	20.0
Naphthalene, 2,3-...	14.05	28.3	ng/ul	2462230	3	14.73	1739740	20.0
Naphthalene, 1,7-...	14.29	10.3	ng/ul	896421	3	14.73	1739740	20.0
1-Isopropenylnaph...	15.04	8.9	ng/ul	774496	3	14.73	1739740	20.0
Naphthalene, 2,3,...	15.34	5.5	ng/ul	480633	3	14.73	1739740	20.0
Naphthalene, 1,6,...	15.39	5.1	ng/ul	442498	3	14.73	1739740	20.0
Naphthalene, 1,4,...	15.51	5.2	ng/ul	455794	3	14.73	1739740	20.0
Benzene, 1-methyl...	15.55	3.5	ng/ul	303095	3	14.73	1739740	20.0
1-Isopropenylnaph...	15.88	9.3	ng/ul	806625	3	14.73	1739740	20.0
Benzeneethanol, ...	15.94	22.0	ng/ul	1911480	3	14.73	1739740	20.0
1,1'-Biphenyl, 2-...	16.03	9.5	ng/ul	823896	3	14.73	1739740	20.0
9H-Fluoren-9-ol	16.07	25.3	ng/ul	2197250	3	14.73	1739740	20.0
Naphtho[2,3-b]thi...	17.31	2.0	ng/ul	3666190	4	17.49	36490800	20.0
4H-Cyclopenta[def...	18.56	4.2	ng/ul	7624650	4	17.49	36490800	20.0
1,8-Anthracenedia...	19.77	3.0	ng/ul	958027	5	21.77	6444360	20.0
Benzo[b]naphtho[1...	20.07	3.5	ng/ul	1110230	5	21.77	6444360	20.0
Pyrene, 1-methyl-	20.21	5.3	ng/ul	1715050	5	21.77	6444360	20.0
Benzo[b]naphtho[2...	21.32	3.4	ng/ul	1109720	5	21.77	6444360	20.0
Cyclopenta(cd)pyr...	21.37	3.3	ng/ul	1048320	5	21.77	6444360	20.0
Cyclopenta[cd]pyrene	21.42	2.7	ng/ul	855690	5	21.77	6444360	20.0
Cyclopenta(cd)pyr...	21.96	4.1	ng/ul	1332090	5	21.77	6444360	20.0
7H-Benzo[c]carbazole	22.16	2.1	ng/ul	665768	5	21.77	6444360	20.0