LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA G\DATA\BG122215\
Data File : BG020416.D
Acq On : 22 Dec 2015 19:33
Operator : UM/SJ
Sample : G4849-09
Misc : med level RX
ALS Vial : 9 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N73ME

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	7.244	743	750	757	rBV	79425	139709	1.16%	0.173%
2	7.403	770	777	787	rBV	67840	110934	0.92%	0.137%
3	7.614	806	813	825	rBB	84789	142348	1.18%	0.176%
4	8.084	886	893	900	rBB	67044	112392	0.93%	0.139%
5	8.789	1007	1013	1022	rBV	114306	196488	1.63%	0.243%
6	9.254	1085	1092	1100	rBV	90933	163318	1.36%	0.202%
7	9.976	1208	1215	1222	rBV2	81554	147534	1.22%	0.183%
8	10.523	1300	1308	1318	rBV2	136128	242852	2.02%	0.301%
9	10.905	1366	1373	1376	rBV	93561	180792	1.50%	0.224%
10	10.963	1376	1383	1390	rVV	1749865	3371366	27.98%	4.178%
11	11.034	1390	1395	1399	rVV	99493	188386	1.56%	0.233%
12	12.556	1646	1654	1661	rBV	1245333	2122454	17.61%	2.630%
13	12.773	1679	1691	1700	rVB	630454	1063574	8.83%	1.318%
14	13.554	1816	1824	1835	rVB	485242	762166	6.33%	0.944%
15	13.748	1851	1857	1868	rVB	174015	319153	2.65%	0.395%
16	14.036	1897	1906	1911	rBV	321690	584753	4.85%	0.725%
17	14.095	1911	1916	1918	rVV	220338	372563	3.09%	0.462%
18	14.118	1918	1920	1925	rVV	278131	365376	3.03%	0.453%
19	14.277	1934	1947	1950	rBV	131916	228416	1.90%	0.283%
20	14.412	1963	1970	1973	rBV	300146	505445	4.19%	0.626%
21	14.688	2012	2017	2020	rVV	224270	350119	2.91%	0.434%
22	14.718	2020	2022	2027	rVV2	177184	265346	2.20%	0.329%
23	14.794	2027	2035	2041	rVV	2504486	4319663	35.85%	5.353%
24	14.853	2041	2045	2050	rVV	119572	182943	1.52%	0.227%
25	14.923	2050	2057	2066	rVV2	141749	290793	2.41%	0.360%
26	15.023	2066	2074	2079	rVV2	108158	204176	1.69%	0.253%
27	15.123	2084	2091	2097	rVV	1725299	2883870	23.93%	3.574%
28	15.188	2097	2102	2111	rVB	74530	127175	1.06%	0.158%
29	15.329	2119	2126	2131	rBV4	61071	120091	1.00%	0.149%
30	15.711	2181	2191	2195	rVV	383885	701653	5.82%	0.869%
31	15.775	2195	2202	2209	rVV	2289466	3900271	32.37%	4.833%
32	15.846	2209	2214	2218	rVV2	151305	337056	2.80%	0.418%
33	15.887	2218	2221	2224	rVV	188356	305657	2.54%	0.379%
34	15.928	2224	2228	2233	rVV3	336494	562343	4.67%	0.697%

LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA G\DATA\BG122215\
Data File : BG020416.D
Acq On : 22 Dec 2015 19:33
Operator : UM/SJ
Sample : G4849-09
Misc : med level RX
ALS Vial : 9 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N73ME

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	15.975	2233	2236	2239	rVV2	81238	131144	1.09%	0.163%
36	16.016	2239	2243	2246	rVV	169030	285240	2.37%	0.353%
37	16.057	2246	2250	2259	rVV	377373	570133	4.73%	0.707%
38	16.204	2265	2275	2282	rVV	395497	891656	7.40%	1.105%
39	16.292	2287	2290	2295	rVV	73057	109730	0.91%	0.136%
40	16.557	2330	2335	2341	rVB	213400	317600	2.64%	0.394%
41	16.762	2359	2370	2375	rBV2	297489	683285	5.67%	0.847%
42	16.815	2375	2379	2384	rVB2	100769	144904	1.20%	0.180%
43	16.915	2390	2396	2400	rVB4	127053	218034	1.81%	0.270%
44	16.992	2400	2409	2412	rBV2	104507	250579	2.08%	0.311%
45	17.033	2412	2416	2419	rVB	86190	114562	0.95%	0.142%
46	17.191	2437	2443	2453	rBV4	144650	403615	3.35%	0.500%
47	17.285	2453	2459	2468	rVB	619952	987620	8.20%	1.224%
48	17.544	2479	2503	2506	rBV	5029416	12049585	100.00%	14.932%
49	17.579	2506	2509	2511	rVV	662284	868108	7.20%	1.076%
50	17.609	2511	2514	2519	rVV	770857	1089254	9.04%	1.350%
51	17.656	2519	2522	2527	rVB	105628	161796	1.34%	0.200%
52	17.873	2546	2559	2566	rVV2	499391	993181	8.24%	1.231%
53	17.979	2573	2577	2584	rVV2	156718	266130	2.21%	0.330%
54	18.043	2584	2588	2596	rVV5	73294	167686	1.39%	0.208%
55	18.184	2607	2612	2621	rVB	63574	142248	1.18%	0.176%
56	18.337	2628	2638	2642	rBV	577334	928860	7.71%	1.151%
57	18.390	2642	2647	2653	rVB	814122	1185575	9.84%	1.469%
58	18.472	2653	2661	2666	rBV	249881	436025	3.62%	0.540%
59	18.543	2666	2673	2683	rVV3	1070492	2224019	18.46%	2.756%
60	18.831	2717	2722	2727	rVV	502679	680898	5.65%	0.844%
61	19.072	2759	2763	2768	rVB3	105909	145774	1.21%	0.181%
62	19.248	2787	2793	2799	rBV3	153052	321167	2.67%	0.398%
63	19.312	2800	2804	2812	rVB4	99581	221057	1.83%	0.274%
64	19.530	2832	2841	2846	rBV	3701869	6943808	57.63%	8.605%
65	19.612	2851	2855	2858	rVV	109656	148836	1.24%	0.184%
66	19.759	2874	2880	2889	rVB2	174930	352143	2.92%	0.436%
67	19.853	2889	2896	2898	rBV3	1349774	2294540	19.04%	2.843%
68	19.888	2898	2902	2908	rVV	2729319	4684129	38.87%	5.805%
69	19.941	2908	2911	2918	rVB2	193012	275313	2.28%	0.341%
70	20.047	2923	2929	2935	rVB	212001	321286	2.67%	0.398%
71	20.111	2935	2940	2947	rVB	122839	193844	1.61%	0.240%

LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA G\DATA\BG122215\
Data File : BG020416.D
Acq On : 22 Dec 2015 19:33
Operator : UM/SJ
Sample : G4849-09
Misc : med level RX
ALS Vial : 9 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N73ME

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	20.188	2947	2953	2960	rBV3	187239	488119	4.05%	0.605%
73	20.247	2960	2963	2969	rBV	101672	139752	1.16%	0.173%
74	20.317	2969	2975	2978	rBV2	142679	295337	2.45%	0.366%
75	20.364	2978	2983	2988	rVB	626138	904706	7.51%	1.121%
76	20.464	2994	3000	3004	rBV	705384	1043693	8.66%	1.293%
77	20.523	3004	3010	3013	rVV2	177647	349571	2.90%	0.433%
78	20.558	3013	3016	3020	rVB	118137	131966	1.10%	0.164%
79	20.664	3029	3034	3037	rBV	95314	139118	1.15%	0.172%
80	20.705	3037	3041	3045	rBV	84853	108121	0.90%	0.134%
81	20.887	3067	3072	3075	rBV	88929	131613	1.09%	0.163%
82	21.075	3099	3104	3110	rBV	70936	147732	1.23%	0.183%
83	21.316	3135	3145	3148	rBV	181387	321043	2.66%	0.398%
84	21.357	3148	3152	3156	rVV	192653	310180	2.57%	0.384%
85	21.404	3156	3160	3165	rVV2	165642	316639	2.63%	0.392%
86	21.592	3183	3192	3199	rBV	58933	148894	1.24%	0.185%
87	21.721	3202	3214	3221	rVV3	962923	2381316	19.76%	2.951%
88	21.786	3221	3225	3237	rVB	665805	1211106	10.05%	1.501%
89	21.939	3246	3251	3260	rBV	172191	310228	2.57%	0.384%
90	22.150	3280	3287	3294	rBV3	92978	197493	1.64%	0.245%
91	22.473	3334	3342	3347	rVV	77332	167334	1.39%	0.207%
92	22.802	3393	3398	3406	rVB4	67442	149813	1.24%	0.186%
93	23.966	3585	3596	3604	rBV	209611	746893	6.20%	0.926%
94	24.700	3712	3721	3727	rBV	89704	247813	2.06%	0.307%
95	24.782	3727	3735	3742	rVV	298755	875122	7.26%	1.084%
96	24.853	3742	3747	3760	rVV	148390	391148	3.25%	0.485%
97	25.006	3762	3773	3781	rVV	183864	556891	4.62%	0.690%
98	25.076	3781	3785	3799	rVB3	41855	121126	1.01%	0.150%
99	28.725	4394	4406	4426	rVB4	29849	148977	1.24%	0.185%
100	28.942	4432	4443	4458	rVB4	32194	140345	1.16%	0.174%

Sum of corrected areas: 80696628

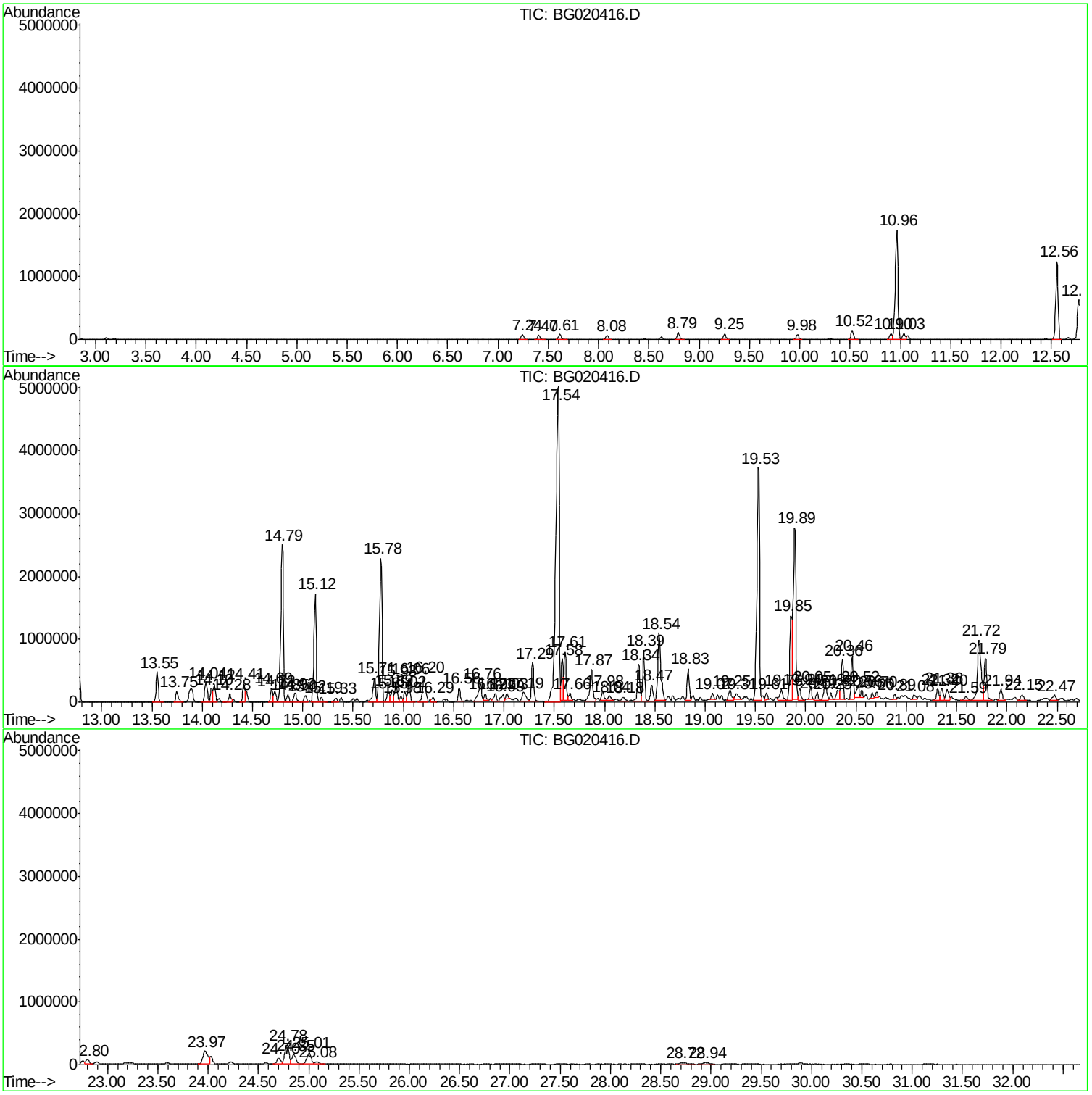
LSC Report - Integrated Chromatogram

Data Path : Z:\HPCHEM1\BNA G\DATA\BG122215\
Data File : BG020416.D
Acq On : 22 Dec 2015 19:33
Operator : UM/SJ
Sample : G4849-09
Misc : med level RX
ALS Vial : 9 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N73ME

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\BG122215\
Data File : BG020416.D
Acq On : 22 Dec 2015 19:33
Operator : UM/SJ
Sample : G4849-09
Misc : med level RX
ALS Vial : 9 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N73ME

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

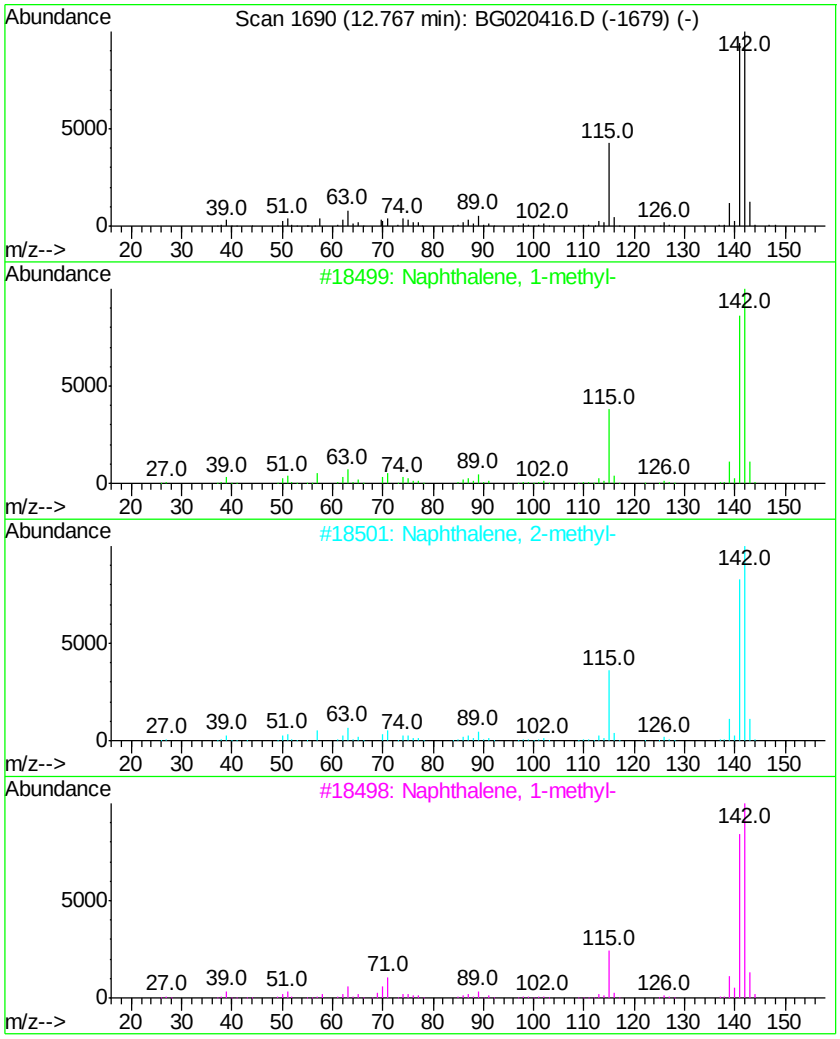
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

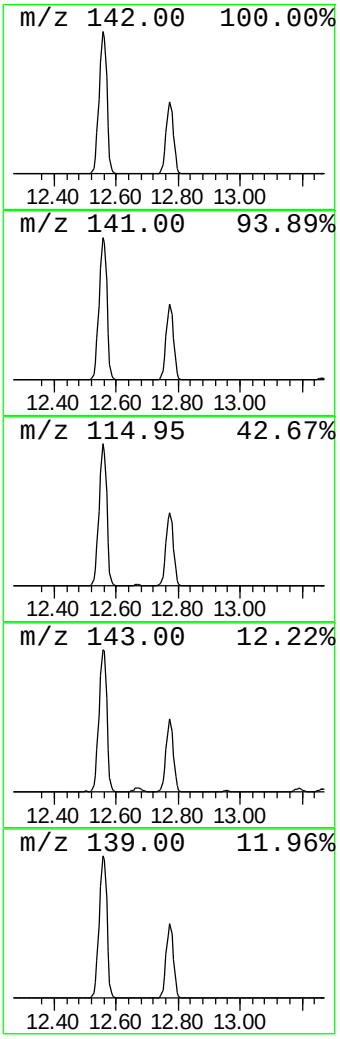
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.77	117.66 ng/ul	1063570	Naphthalene-d8	10.90

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	Naphthalene, 1-methyl-	142	C11H10	000090-12-0	94
4	1,4-Methanonaphthalene, 1,4-dihy...	142	C11H10	004453-90-1	94
5	Bicyclo[4.4.1]undeca-1,3,5,7,9-p...	142	C11H10	002443-46-1	91





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA G\DATA\BG122215\
Data File : BG020416.D
Acq On : 22 Dec 2015 19:33
Operator : UM/SJ
Sample : G4849-09
Misc : med level RX
ALS Vial : 9 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N73ME

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

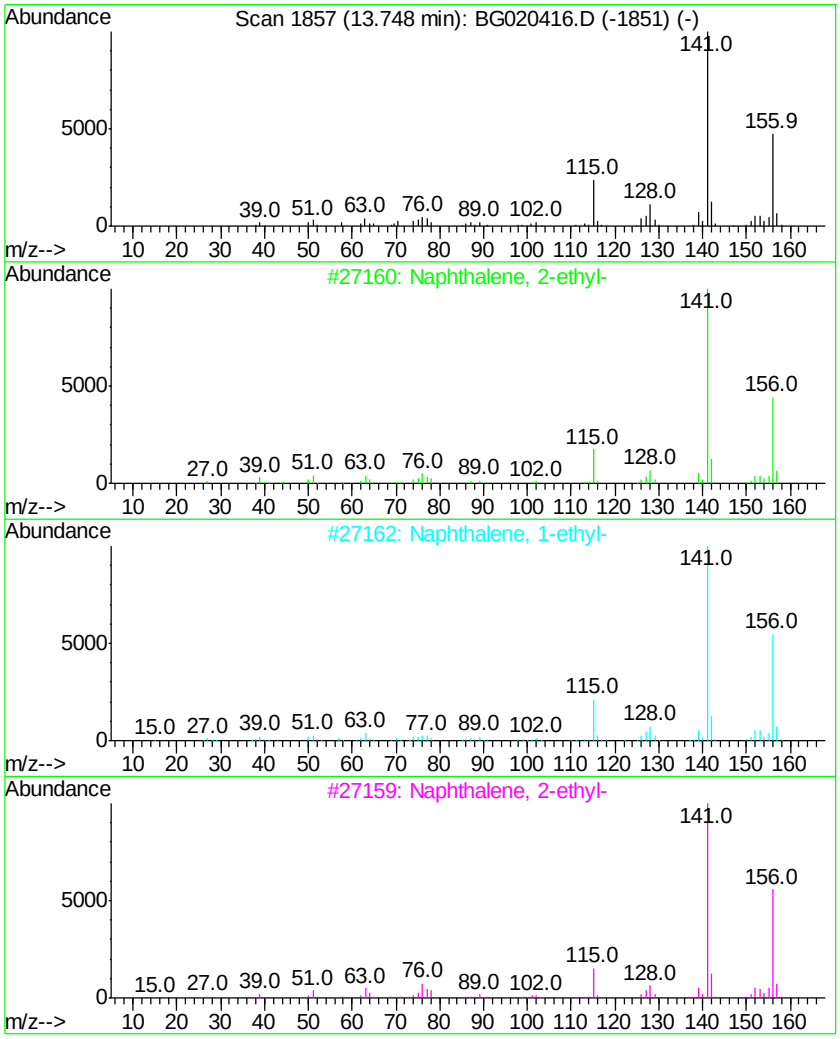
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

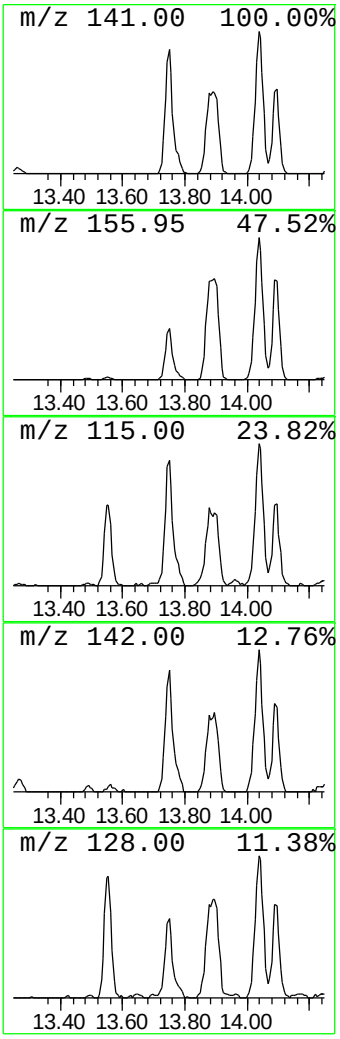
****

Peak Number 2 Naphthalene, 2-ethyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.75	24.06 ng/ul	319153	Acenaphthene-d10	14.72

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2-ethyl-	156	C12H12	000939-27-5	97
2	Naphthalene, 1-ethyl-	156	C12H12	001127-76-0	97
3	Naphthalene, 2-ethyl-	156	C12H12	000939-27-5	95
4	Naphthalene, 2-ethyl-	156	C12H12	000939-27-5	94
5	Naphthalene, 1-ethyl-	156	C12H12	001127-76-0	93





Data Path : Z:\HPCHEM1\BNA G\DATA\BG122215\
Data File : BG020416.D
Acq On : 22 Dec 2015 19:33
Operator : UM/SJ
Sample : G4849-09
Misc : med level RX
ALS Vial : 9 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N73ME

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

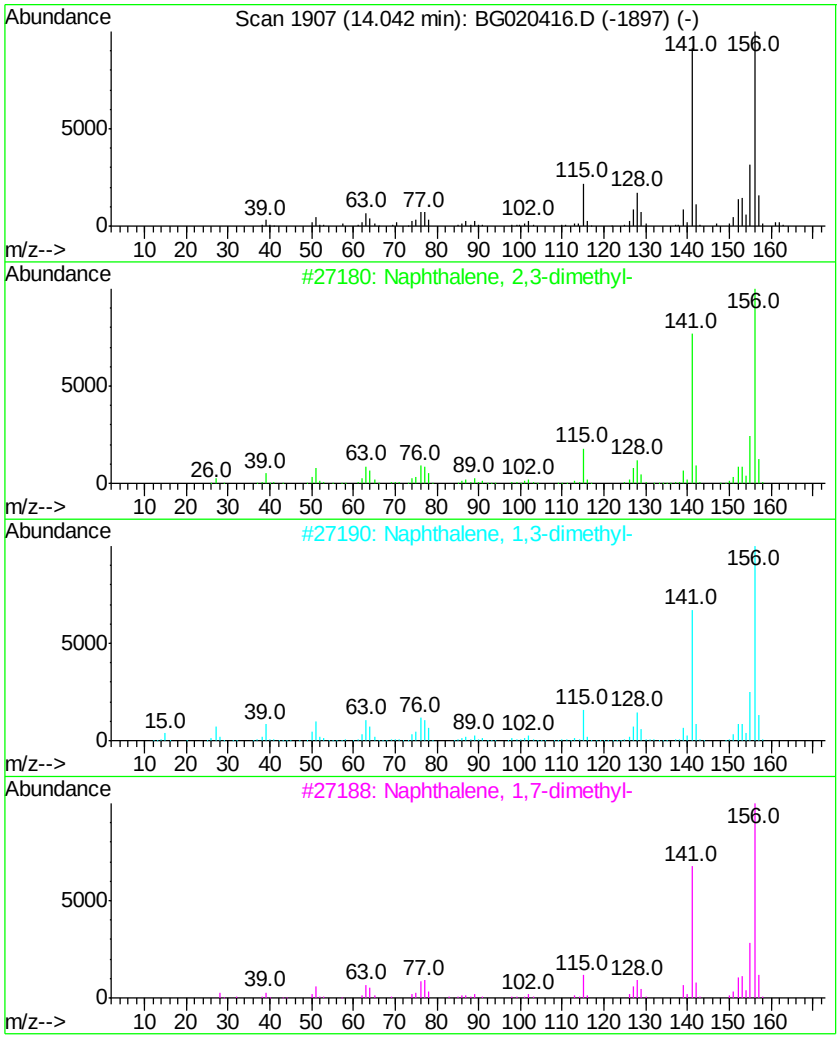
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

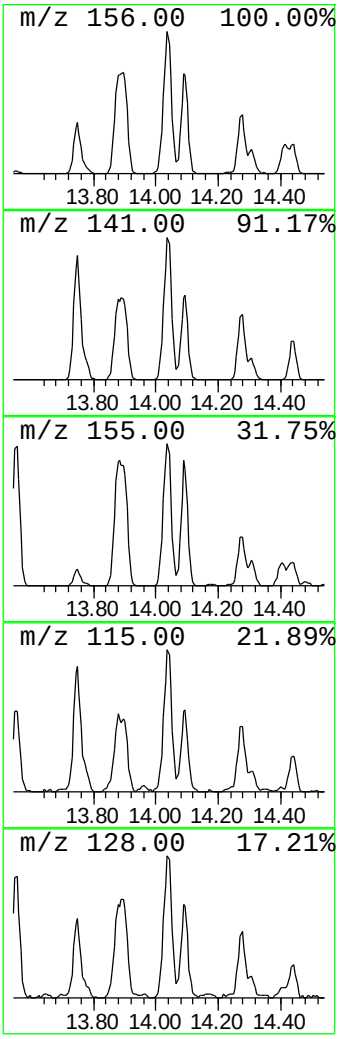
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.04	44.07 ng/ul	584753	Acenaphthene-d10	14.72

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, 1,7-dimethyl-	156	C12H12	000575-37-1	97
4	Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	97
5	Naphthalene, 1,7-dimethyl-	156	C12H12	000575-37-1	96





Data Path : Z:\HPCHEM1\BNA G\DATA\BG122215\
Data File : BG020416.D
Acq On : 22 Dec 2015 19:33
Operator : UM/SJ
Sample : G4849-09
Misc : med level RX
ALS Vial : 9 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N73ME

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

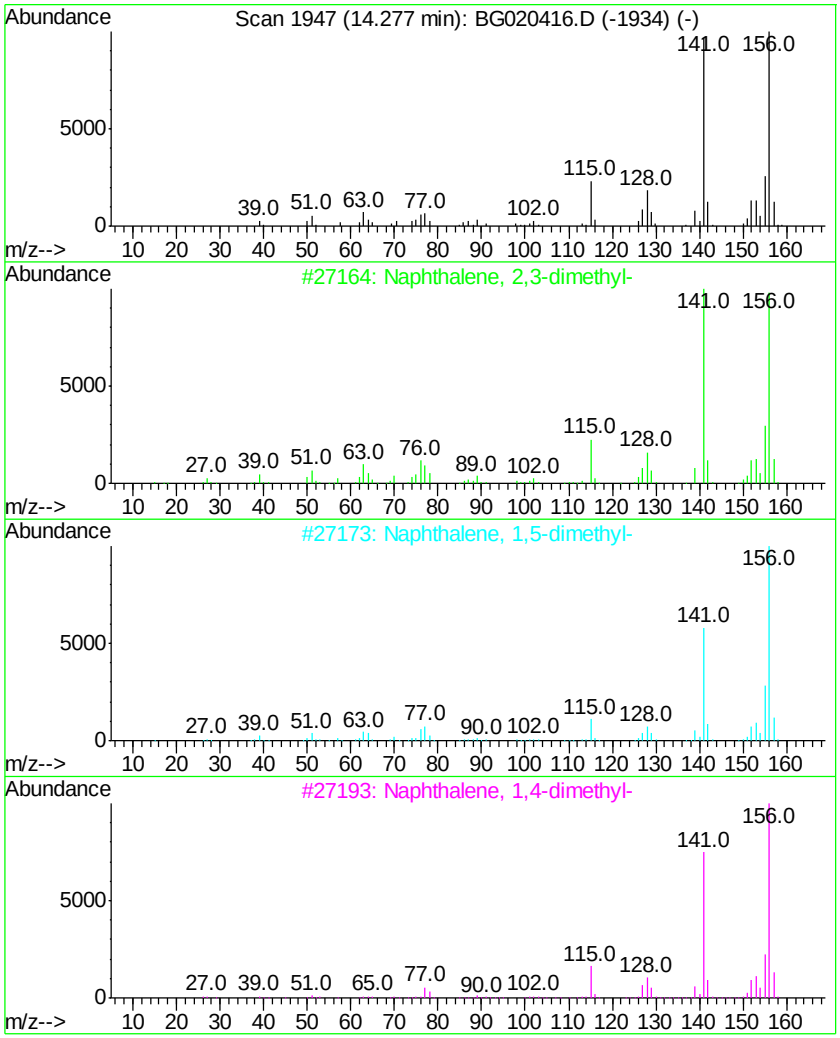
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

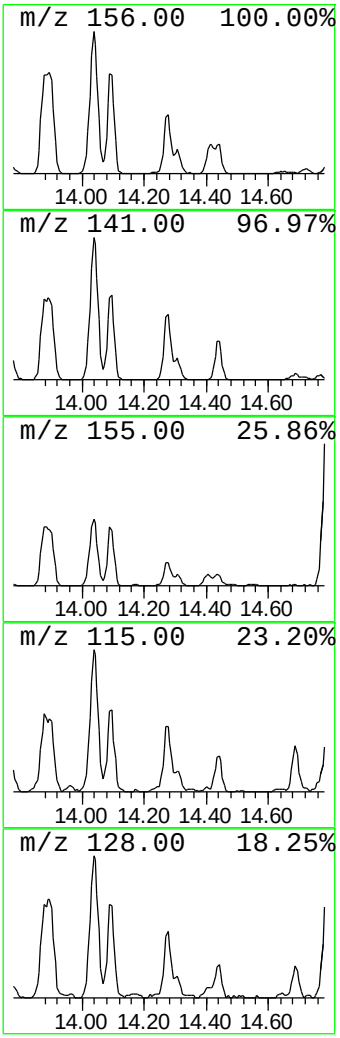
****

Peak Number 4 Naphthalene, 1,5-dimethyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.28	17.22 ng/ul	228416	Acenaphthene-d10	14.72

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	97
2	Naphthalene, 1,5-dimethyl-	156	C12H12	000571-61-9	97
3	Naphthalene, 1,4-dimethyl-	156	C12H12	000571-58-4	97
4	Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	97
5	Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	96





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA G\DATA\BG122215\
Data File : BG020416.D
Acq On : 22 Dec 2015 19:33
Operator : UM/SJ
Sample : G4849-09
Misc : med level RX
ALS Vial : 9 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N73ME

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

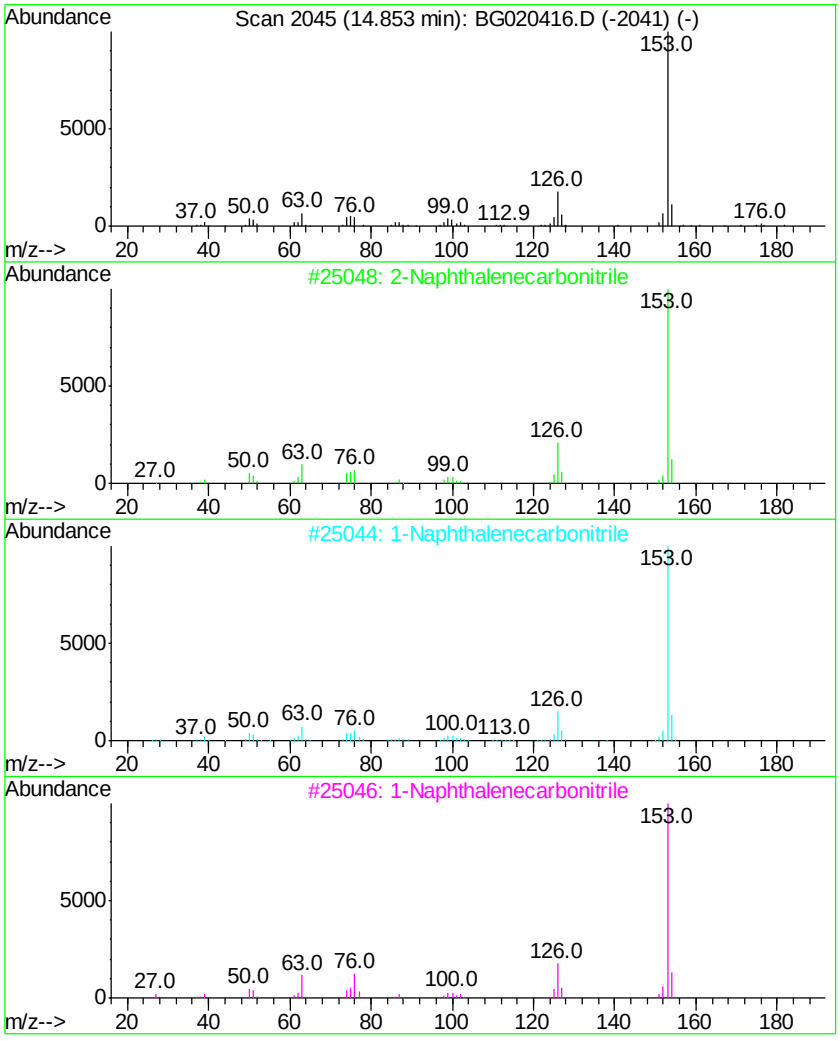
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

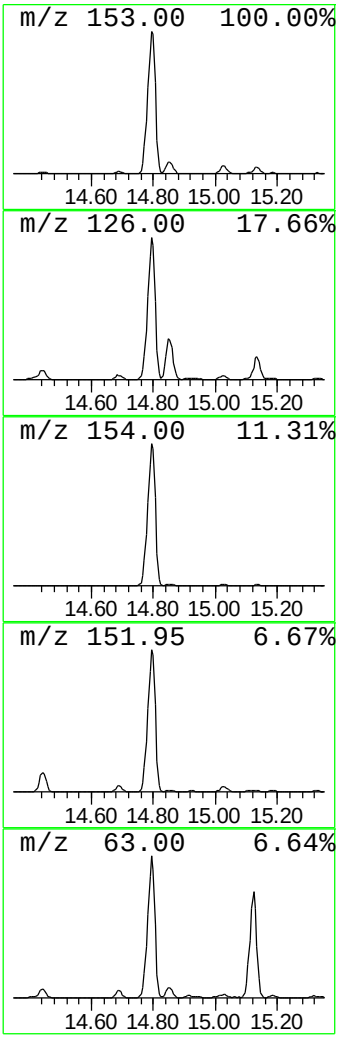
****

Peak Number 5 2-Naphthalenecarbonitrile Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.85	13.79 ng/ul	182943	Acenaphthene-d10	14.72

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Naphthalenecarbonitrile	153	C11H7N	000613-46-7	95
2	1-Naphthalenecarbonitrile	153	C11H7N	000086-53-3	95
3	1-Naphthalenecarbonitrile	153	C11H7N	000086-53-3	91
4	2-Naphthalenecarbonitrile	153	C11H7N	000613-46-7	91
5	2-Naphthalenecarbonitrile	153	C11H7N	000613-46-7	91





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Data File : BG020416.D
Acq On : 22 Dec 2015 19:33
Operator : UM/SJ
Sample : G4849-09
Misc : med level RX
ALS Vial : 9 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N73ME

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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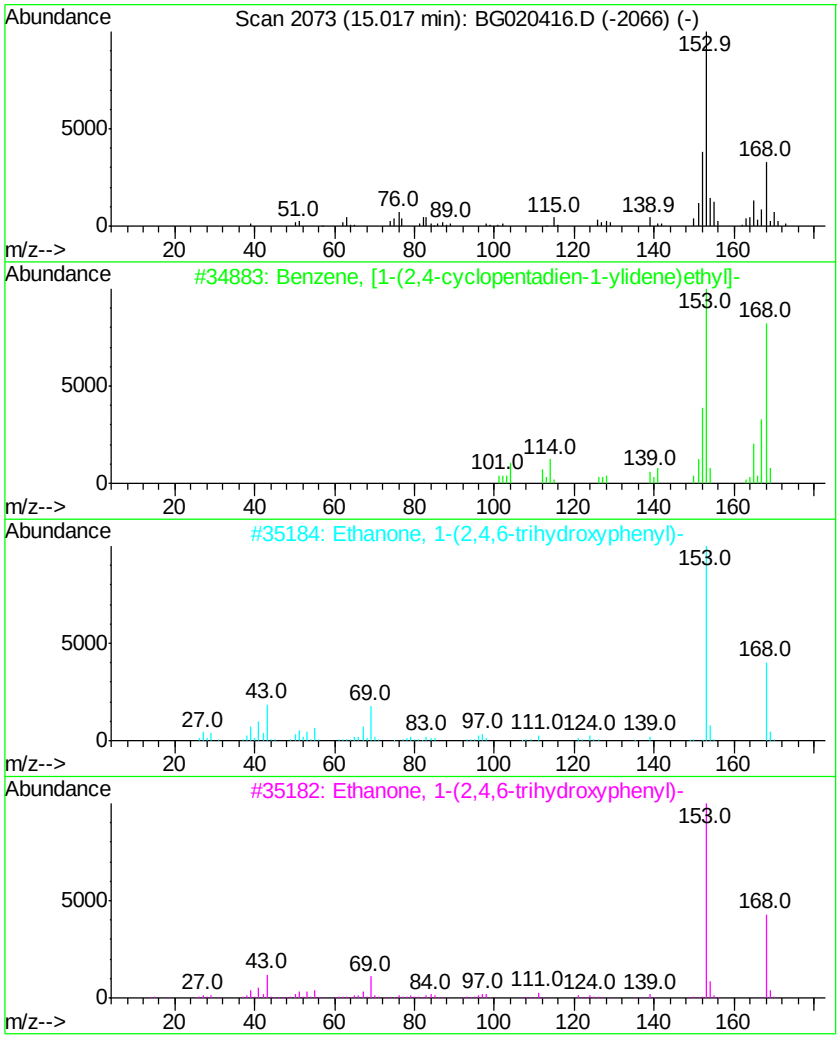
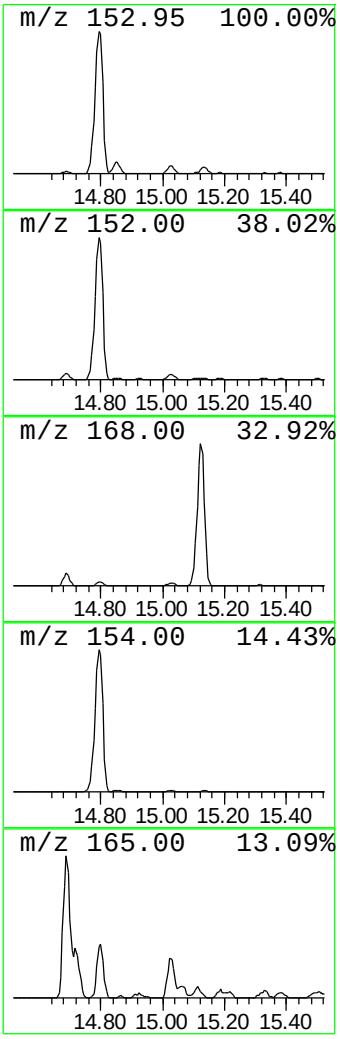
Peak Number 6 Benzene, [1-(2,4-cyclopenta... Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.02	15.39 ng/ul	204176	Acenaphthene-d10	14.72

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, [1-(2,4-cyclopentadien-...	168	C13H12	002320-32-3	64
2	Ethanone, 1-(2,4,6-trihydroxyphe...	168	C8H8O4	000480-66-0	53
3	Ethanone, 1-(2,4,6-trihydroxyphe...	168	C8H8O4	000480-66-0	53
4	Ethanone, 1-(2,3,4-trihydroxyphe...	168	C8H8O4	000528-21-2	53
5	Acetophenone, 3'-fluoro-4'-methoxy-	168	C9H9FO2	000455-91-4	53





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Operator : UM/SJ
Sample : G4849-09
Misc : med level RX
ALS Vial : 9 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N73ME

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

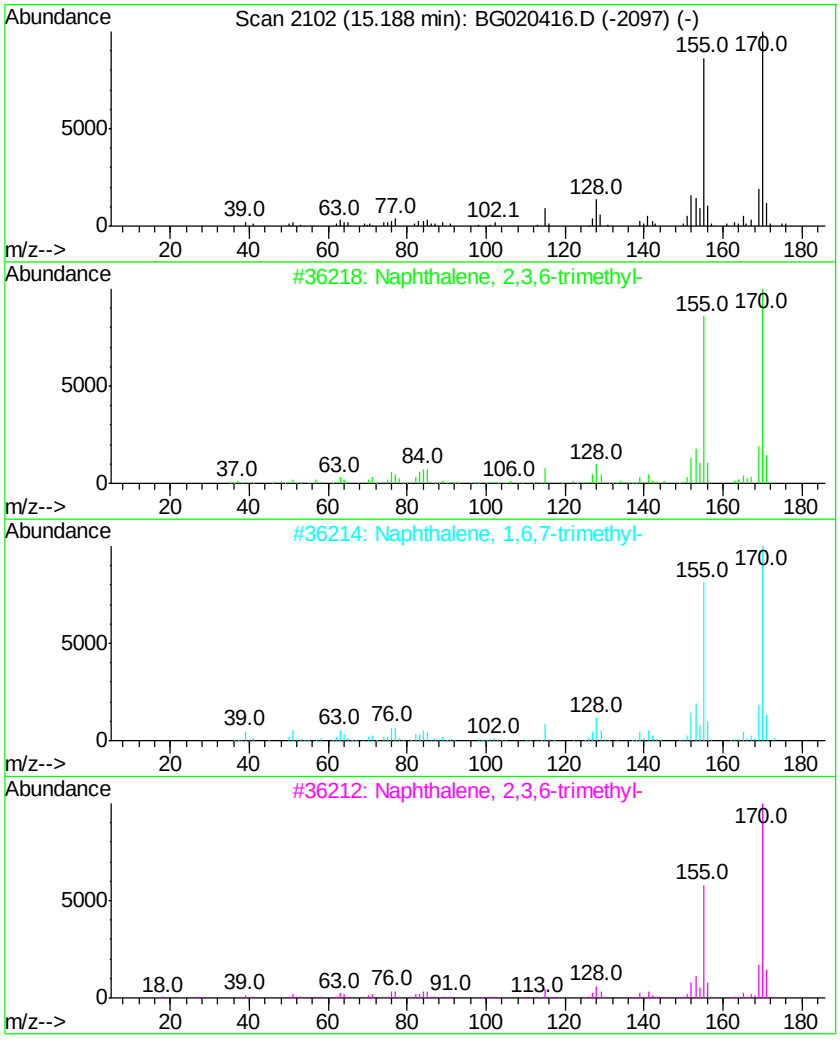
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

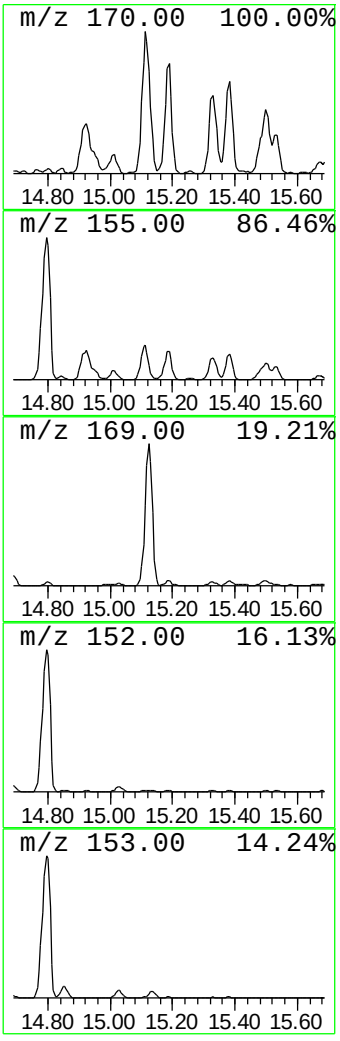
****

Peak Number 7 Naphthalene, 2,3,6-trimethyl- Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.19	9.59 ng/ul	127175	Acenaphthene-d10	14.72

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2,3,6-trimethyl-	170	C13H14	000829-26-5	95
2	Naphthalene, 1,6,7-trimethyl-	170	C13H14	002245-38-7	94
3	Naphthalene, 2,3,6-trimethyl-	170	C13H14	000829-26-5	94
4	Naphthalene, 1,6,7-trimethyl-	170	C13H14	002245-38-7	91
5	Naphthalene, 1,4,6-trimethyl-	170	C13H14	002131-42-2	91





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Operator : UM/SJ
Sample : G4849-09
Misc : med level RX
ALS Vial : 9 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N73ME

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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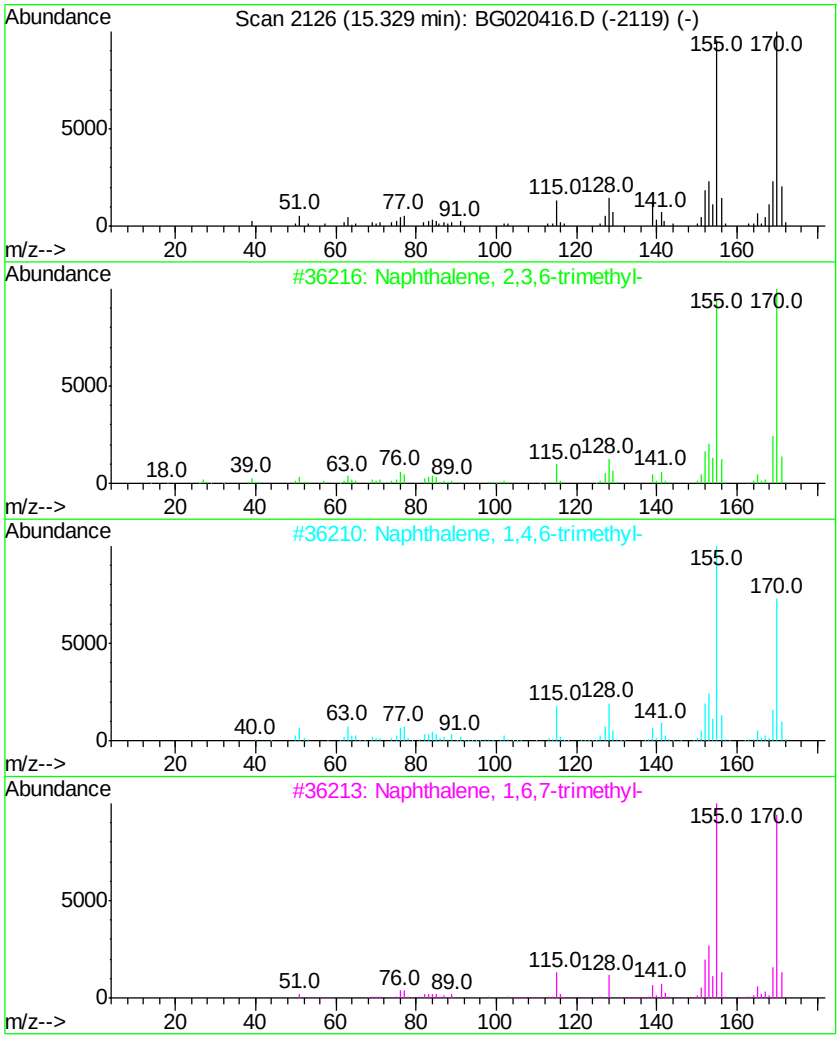
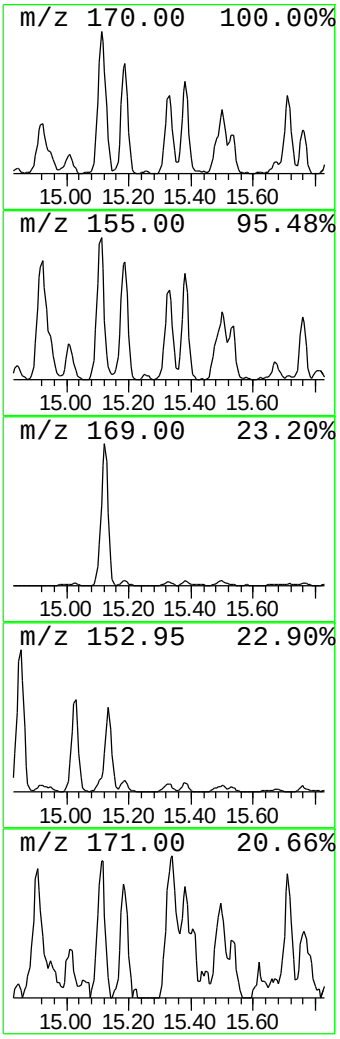
Peak Number 8 Naphthalene, 1,4,6-trimethyl- Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.33	9.05 ng/ul	120091	Acenaphthene-d10	14.72

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2,3,6-trimethyl-	170	C13H14	000829-26-5	96
2	Naphthalene, 1,4,6-trimethyl-	170	C13H14	002131-42-2	94
3	Naphthalene, 1,6,7-trimethyl-	170	C13H14	002245-38-7	94
4	Naphthalene, 2,3,6-trimethyl-	170	C13H14	000829-26-5	94
5	Naphthalene, 1,6,7-trimethyl-	170	C13H14	002245-38-7	93





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Data File : BG020416.D
Acq On : 22 Dec 2015 19:33
Operator : UM/SJ
Sample : G4849-09
Misc : med level RX
ALS Vial : 9 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N73ME

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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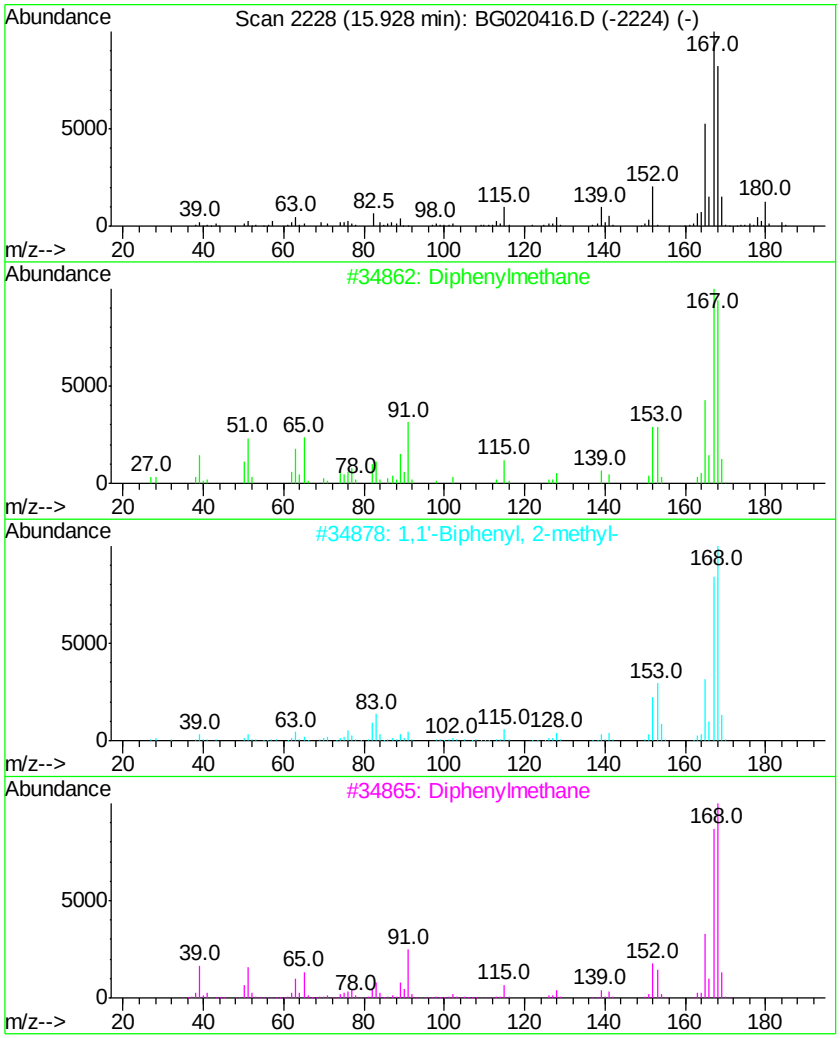
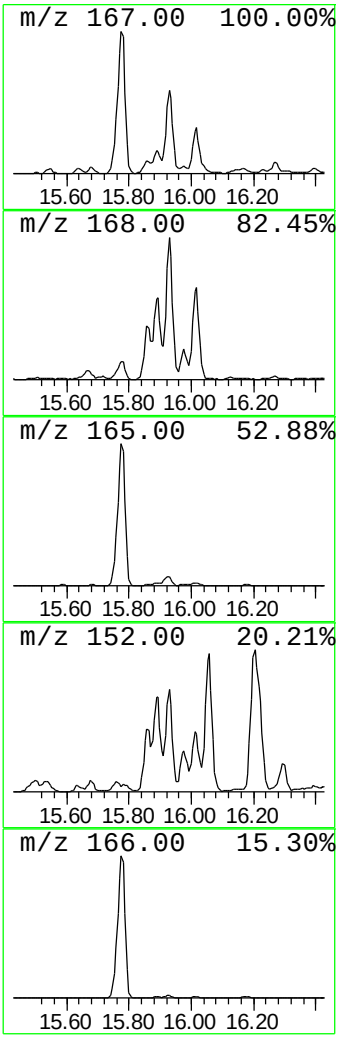
Peak Number 9 Diphenylmethane Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.93	42.39 ng/ul	562343	Acenaphthene-d10	14.72

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Diphenylmethane	168	C13H12	000101-81-5	76
2	1,1'-Biphenyl, 2-methyl-	168	C13H12	000643-58-3	68
3	Diphenylmethane	168	C13H12	000101-81-5	64
4	Nordiphenamid	225	C15H15NO	000954-21-2	64
5	Benzeneethanol, .alpha.,.alpha.,...	350	C26H22O	000981-24-8	64





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Data File : BG020416.D
Acq On : 22 Dec 2015 19:33
Operator : UM/SJ
Sample : G4849-09
Misc : med level RX
ALS Vial : 9 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N73ME

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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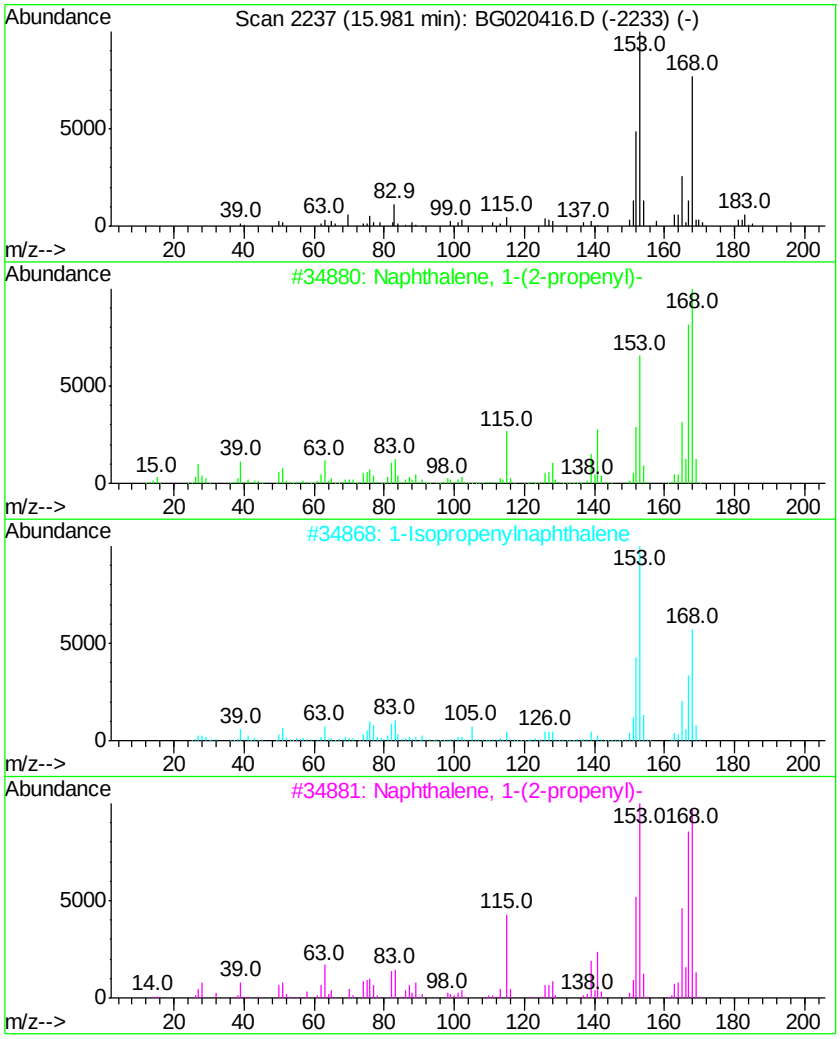
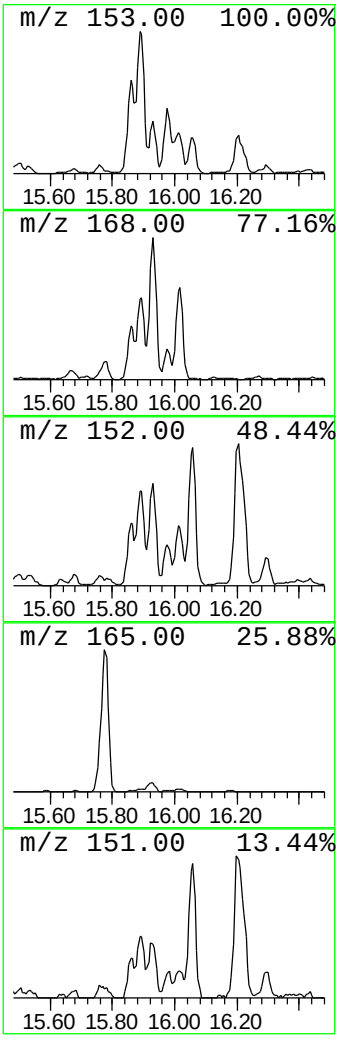
Peak Number 10 Naphthalene, 1-(2-propenyl)- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.98	9.88 ng/ul	131144	Acenaphthene-d10	14.72

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1-(2-propenyl)-	168	C13H12	002489-86-3	72
2	1-Isopropenylnaphthalene	168	C13H12	001855-47-6	72
3	Naphthalene, 1-(2-propenyl)-	168	C13H12	002489-86-3	72
4	Naphthalene, 2-(1-methylethenyl)-	168	C13H12	003710-23-4	58
5	1-Cyclohexene-1-ethanol, 2,6,6-t...	168	C11H20O	000472-65-1	50





Library Search Compound Report

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Data File : BG020416.D
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Sample : G4849-09
Misc : med level RX
ALS Vial : 9 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N73ME

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Quant Title : SVOA CALIBRATION

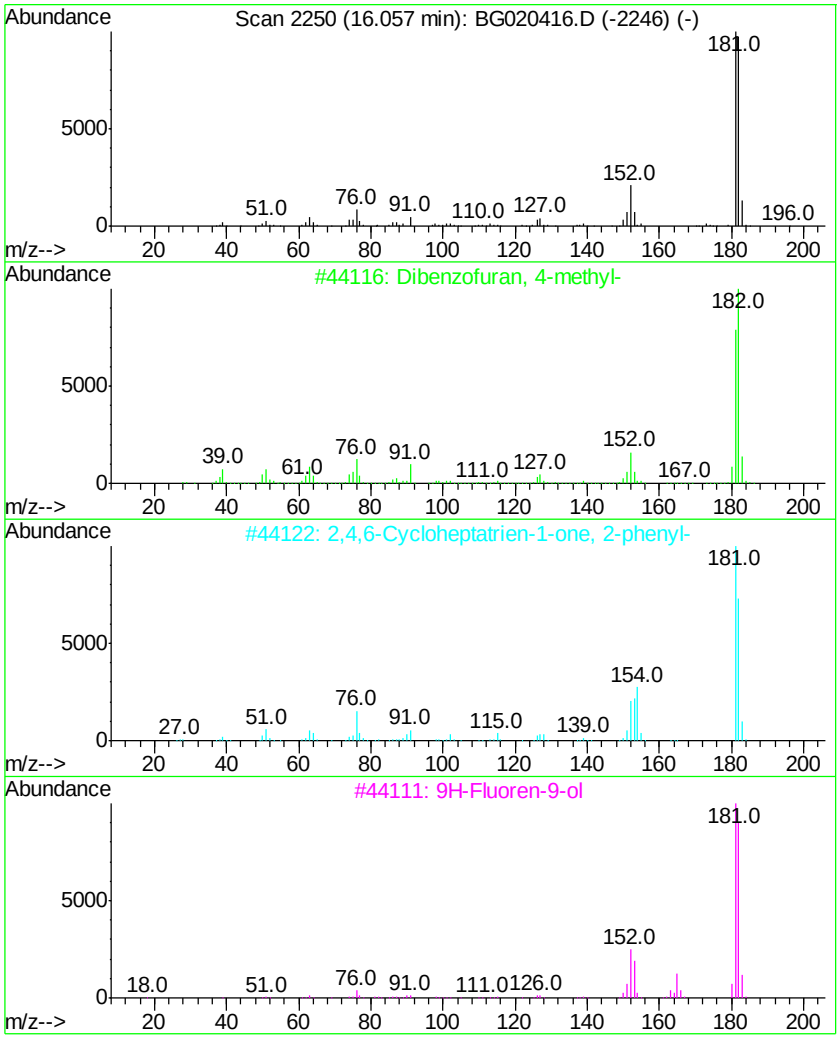
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

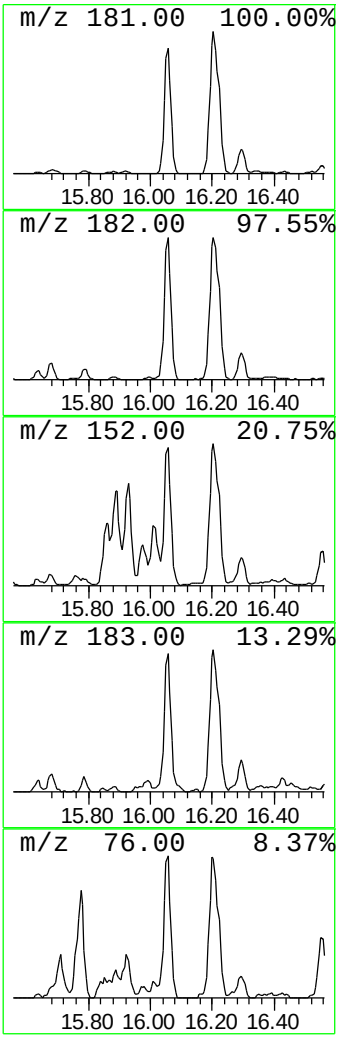
****

Peak Number 12 Dibenzofuran, 4-methyl- Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.06	42.97 ng/ul	570133	Acenaphthene-d10	14.72

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dibenzofuran, 4-methyl-	182	C13H10O	007320-53-8	91
2	2,4,6-Cycloheptatrien-1-one, 2-p...	182	C13H10O	014562-09-5	86
3	9H-Fluoren-9-ol	182	C13H10O	001689-64-1	78
4	[1,1'-Biphenyl]-4-carboxaldehyde	182	C13H10O	003218-36-8	64
5	2-Hydroxyfluorene	182	C13H10O	002443-58-5	59





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Data File : BG020416.D
Acq On : 22 Dec 2015 19:33
Operator : UM/SJ
Sample : G4849-09
Misc : med level RX
ALS Vial : 9 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N73ME

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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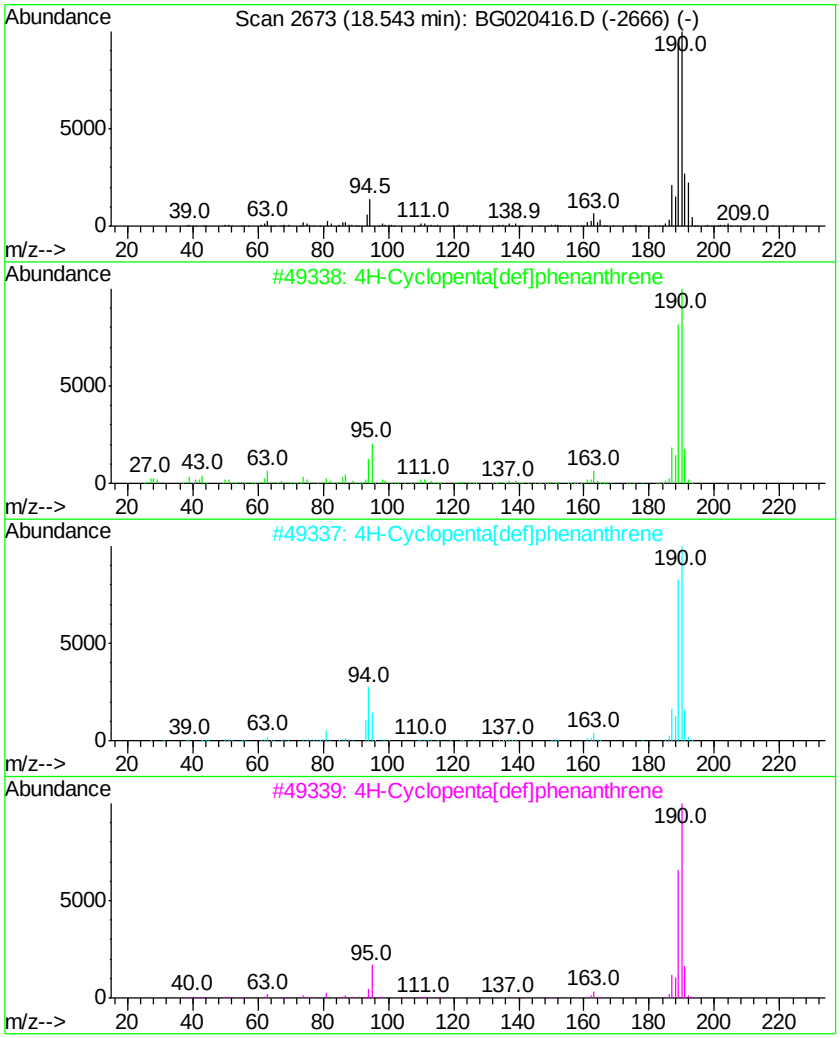
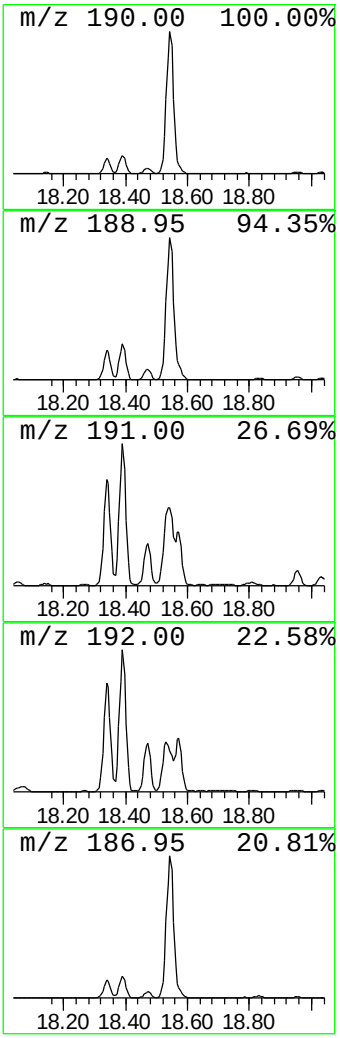
Peak Number 13 4H-Cyclopenta[def]phenanthrene Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.54	3.69 ng/ul	2224020	Phenanthrene-d10	17.47

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	90
2	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	83
3	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	74
4	6H-Cyclobuta[jk]phenanthrene	190	C15H10	083469-43-6	72
5	2,3,5,6-Tetramethylterephthalald...	190	C12H14O2	007072-01-7	50





Library Search Compound Report

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Operator : UM/SJ
Sample : G4849-09
Misc : med level RX
ALS Vial : 9 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N73ME

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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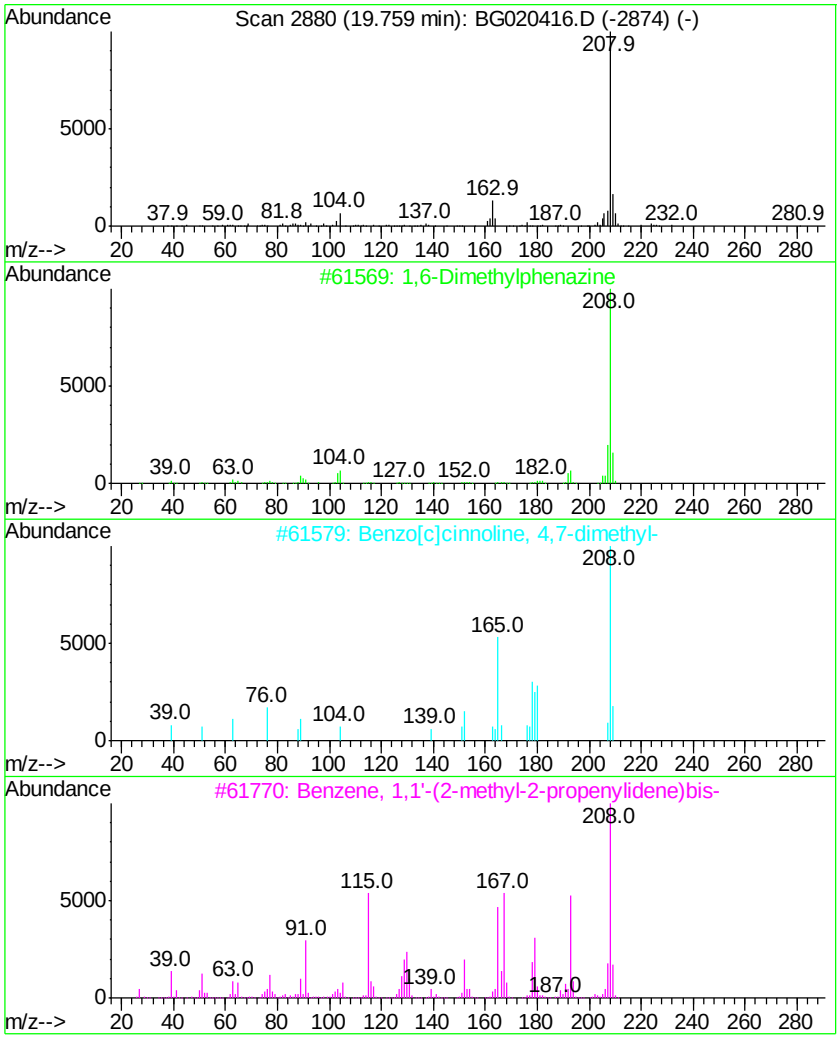
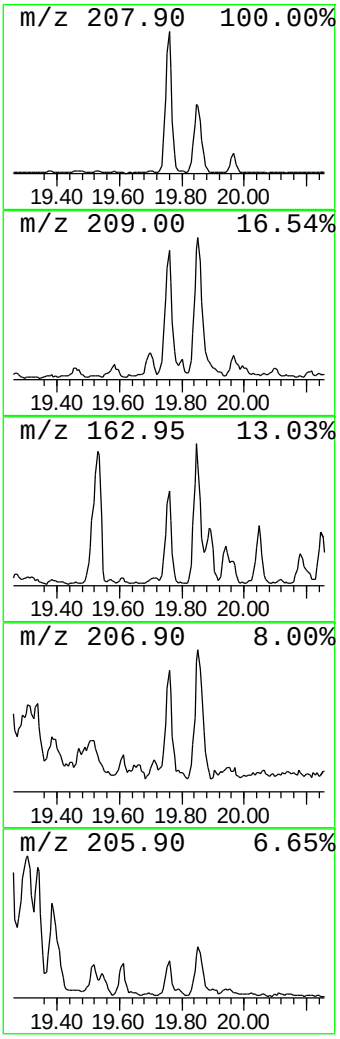
Peak Number 14 1,6-Dimethylphenazine Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.76	2.96 ng/ul	352143	Chrysene-d12	21.74

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,6-Dimethylphenazine	208	C14H12N2	058718-43-7	64
2	Benzo[c]cinnoline, 4,7-dimethyl-	208	C14H12N2	020684-54-2	64
3	Benzene, 1,1'-(2-methyl-2-propen...	208	C16H16	070813-56-8	59
4	4,7-Dimethyl-1,10-phenanthroline	208	C14H12N2	003248-05-3	59
5	1,10-Phenanthroline, 2,9-dimethyl-	208	C14H12N2	000484-11-7	59





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Sample : G4849-09
Misc : med level RX
ALS Vial : 9 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N73ME

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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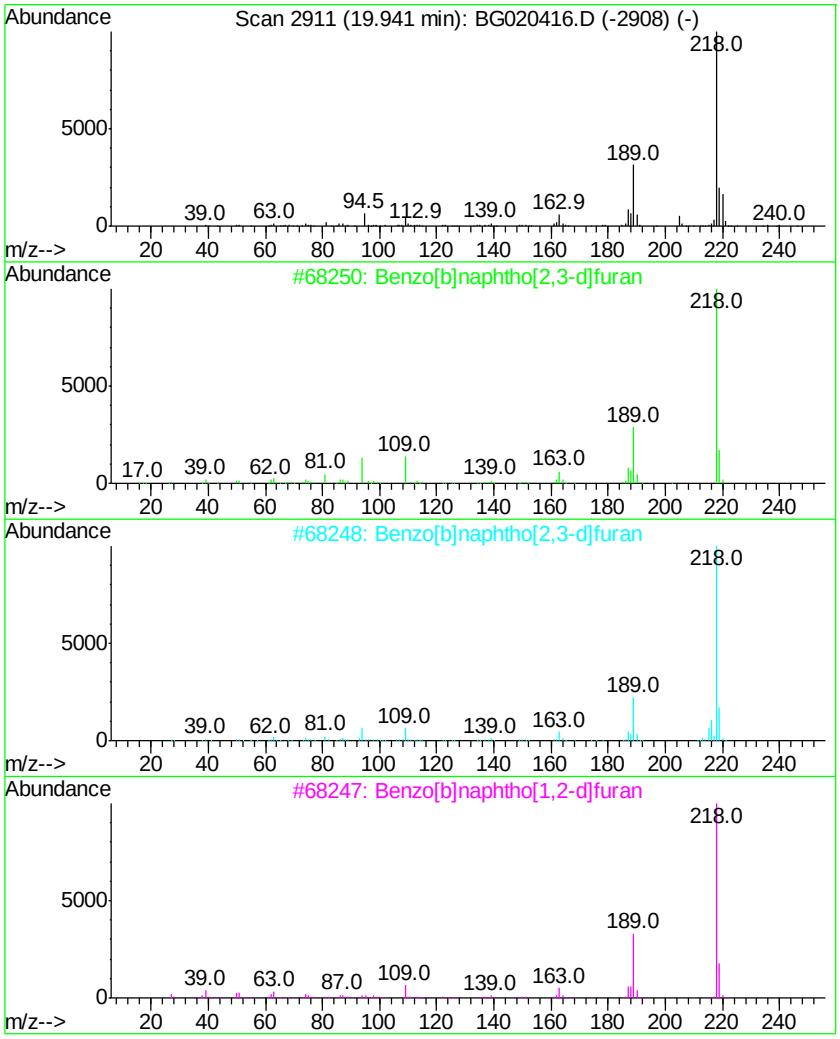
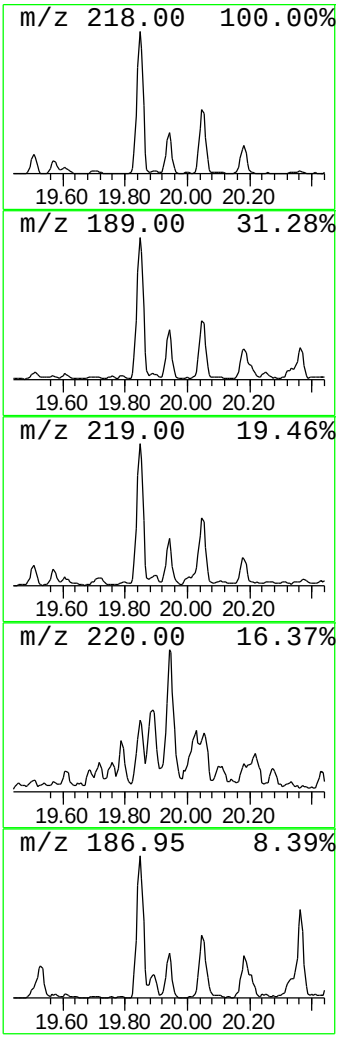
Peak Number 15 Benzo[b]naphtho[2,3-d]furan Concentration Rank 28

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.94	2.31 ng/ul	275313	Chrysene-d12	21.74

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[b]naphtho[2,3-d]furan	218	C16H10O	000243-42-5	90
2	Benzo[b]naphtho[2,3-d]furan	218	C16H10O	000243-42-5	87
3	Benzo[b]naphtho[1,2-d]furan	218	C16H10O	000239-30-5	87
4	Indeno[2,1-b]chromene,	218	C16H10O	000243-24-3	87
5	Benzo[b]naphtho[2,3-d]furan	218	C16H10O	000243-42-5	83





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Sample : G4849-09
Misc : med level RX
ALS Vial : 9 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N73ME

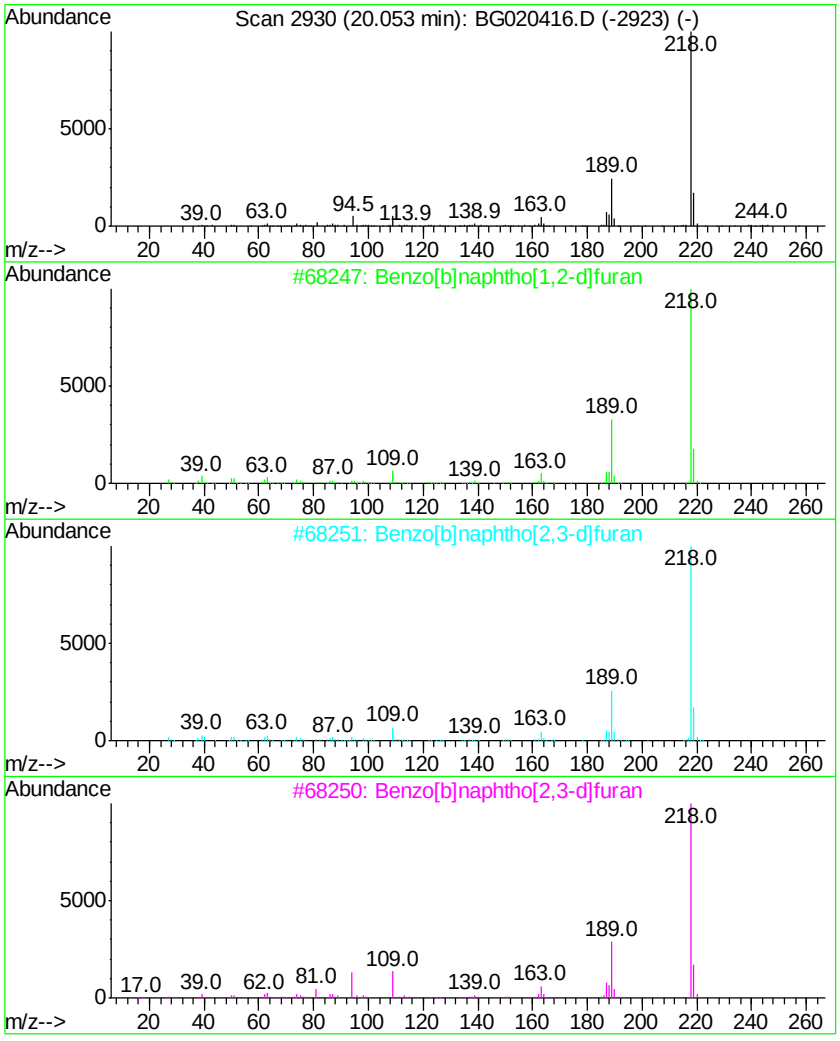
Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG121415.M
Quant Title : SVOA CALIBRATION

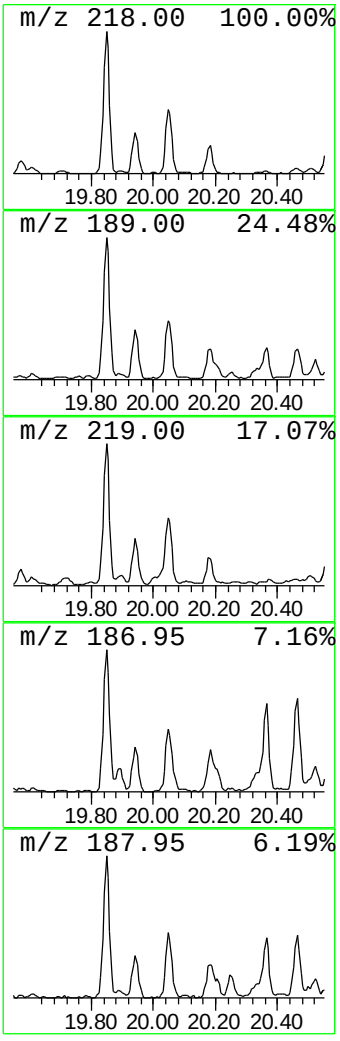
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 16 Benzo[b]naphtho[1,2-d]furan Concentration Rank 22

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.05	2.70 ng/ul	321286	Chrysene-d12	21.74

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[b]naphtho[1,2-d]furan	218	C16H10O	000239-30-5	94
2	Benzo[b]naphtho[2,3-d]furan	218	C16H10O	000243-42-5	94
3	Benzo[b]naphtho[2,3-d]furan	218	C16H10O	000243-42-5	94
4	Benzo[b]naphtho[2,3-d]furan	218	C16H10O	000243-42-5	91
5	Indeno[2,1-b]chromene,	218	C16H10O	000243-24-3	91





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Misc : med level RX
ALS Vial : 9 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N73ME

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Quant Title : SVOA CALIBRATION

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

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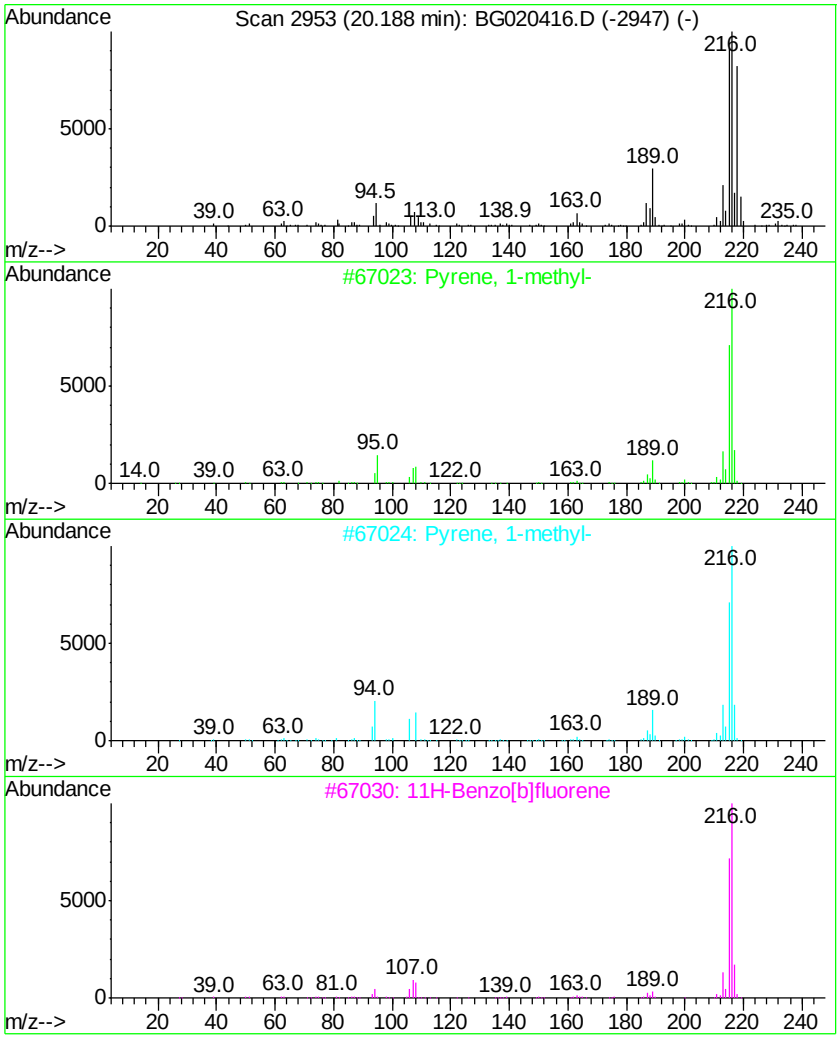
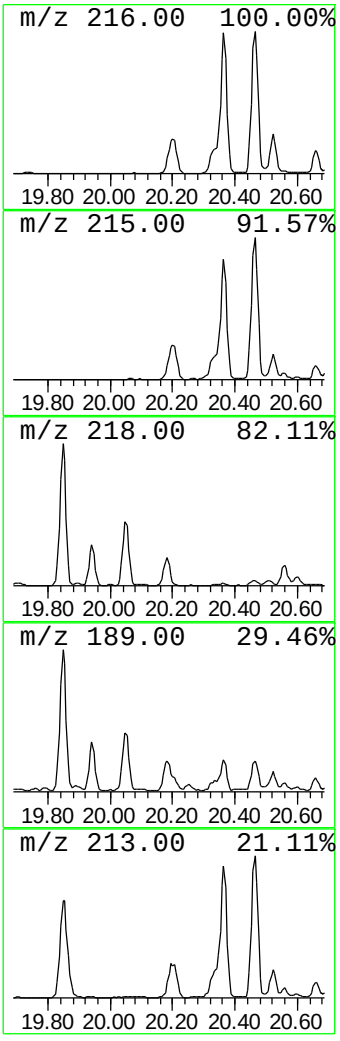
Peak Number 17 Pyrene, 1-methyl- Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.19	4.10 ng/ul	488119	Chrysene-d12	21.74

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene, 1-methyl-	216	C17H12	002381-21-7	96
2	Pyrene, 1-methyl-	216	C17H12	002381-21-7	91
3	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	86
4	Benzo[kl]xanthene	218	C16H10O	000200-23-7	70
5	Pyrene, 2-methyl-	216	C17H12	003442-78-2	60





Library Search Compound Report

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Data File : BG020416.D
Acq On : 22 Dec 2015 19:33
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Sample : G4849-09
Misc : med level RX
ALS Vial : 9 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N73ME

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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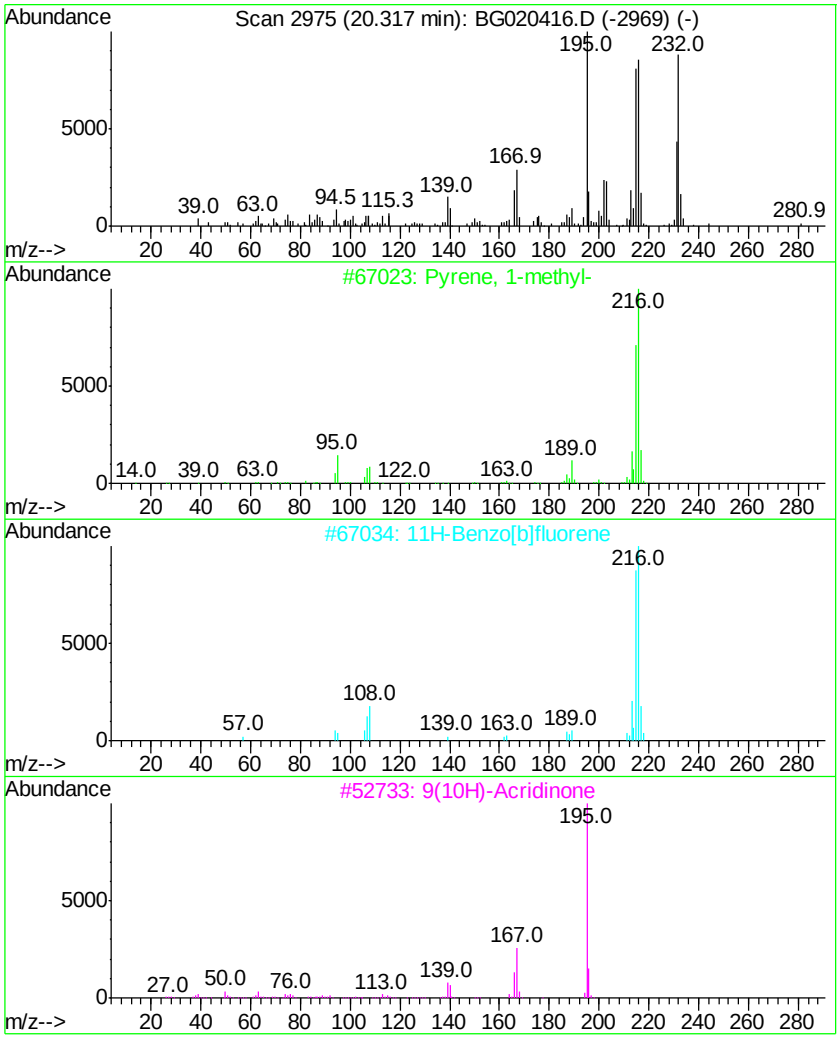
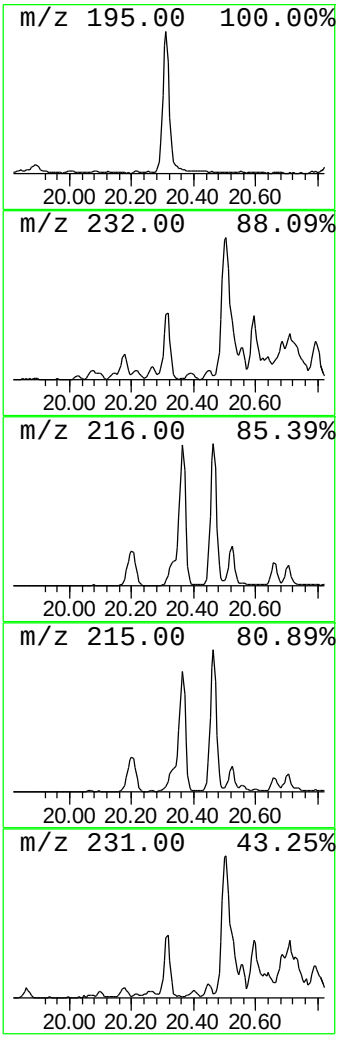
Peak Number 18 11H-Benzo[b]fluorene Concentration Rank 27

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.32	2.48 ng/ul	295337	Chrysene-d12	21.74

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene, 1-methyl-	216	C17H12	002381-21-7	83
2	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	56
3	9(10H)-Acridinone	195	C13H9NO	000578-95-0	56
4	3-Acridinol	195	C13H9NO	007132-70-9	53
5	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	52





Data Path : Z:\HPCHEM1\BNA G\DATA\BG122215\
Data File : BG020416.D
Acq On : 22 Dec 2015 19:33
Operator : UM/SJ
Sample : G4849-09
Misc : med level RX
ALS Vial : 9 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N73ME

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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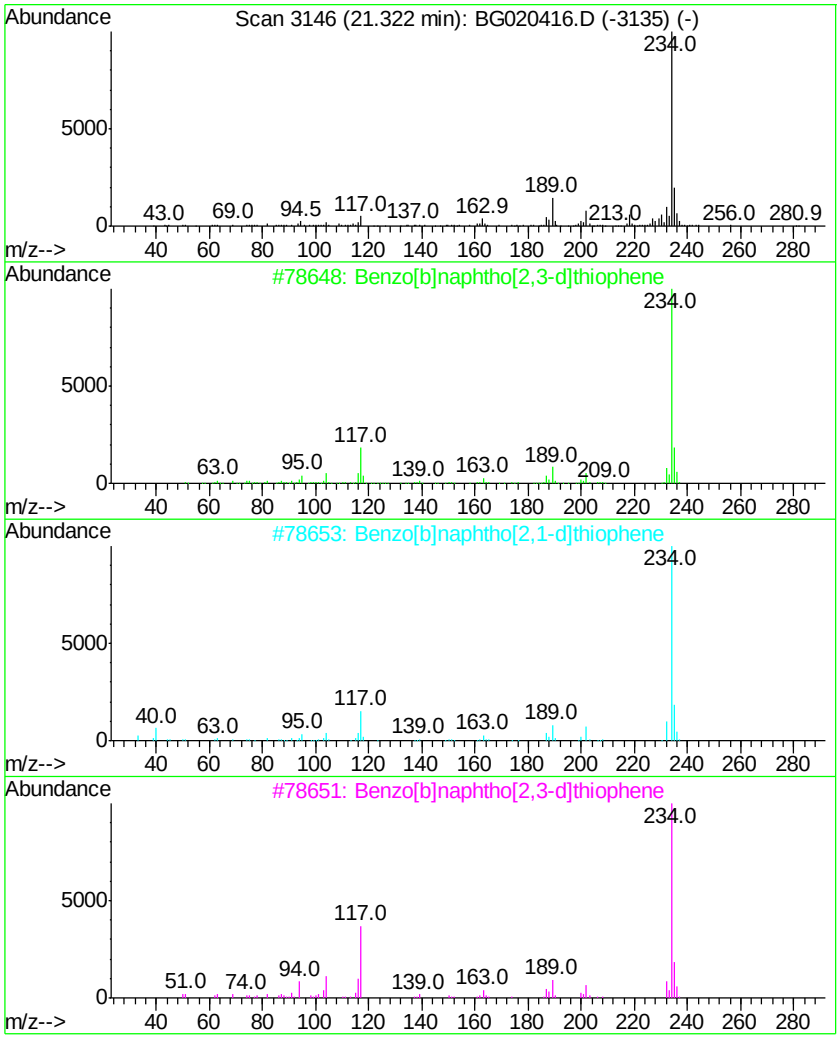
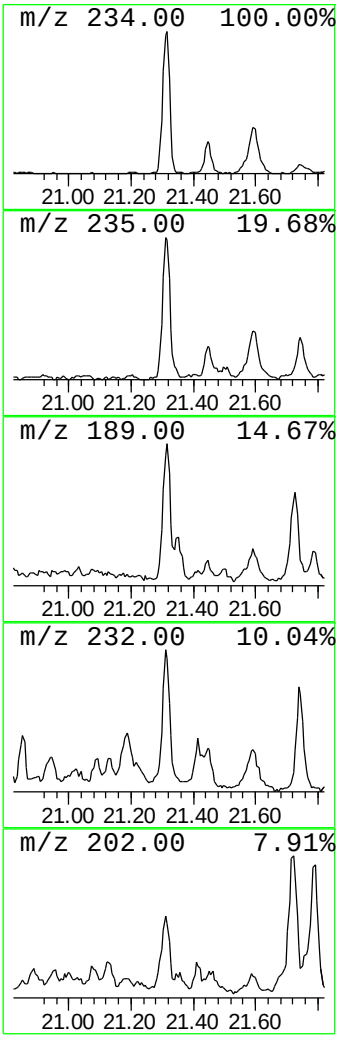
Peak Number 22 Benzo[b]naphtho[2,3-d]thiop... Concentration Rank 23

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.32	2.70 ng/ul	321043	Chrysene-d12	21.74

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[b]naphtho[2,3-d]thiophene	234	C16H10S	000243-46-9	94
2	Benzo[b]naphtho[2,1-d]thiophene	234	C16H10S	000239-35-0	93
3	Benzo[b]naphtho[2,3-d]thiophene	234	C16H10S	000243-46-9	93
4	Benzo[b]naphtho[2,1-d]thiophene	234	C16H10S	000239-35-0	93
5	Benzo[b]naphtho[1,2-d]thiophene	234	C16H10S	000205-43-6	91





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Data File : BG020416.D
Acq On : 22 Dec 2015 19:33
Operator : UM/SJ
Sample : G4849-09
Misc : med level RX
ALS Vial : 9 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N73ME

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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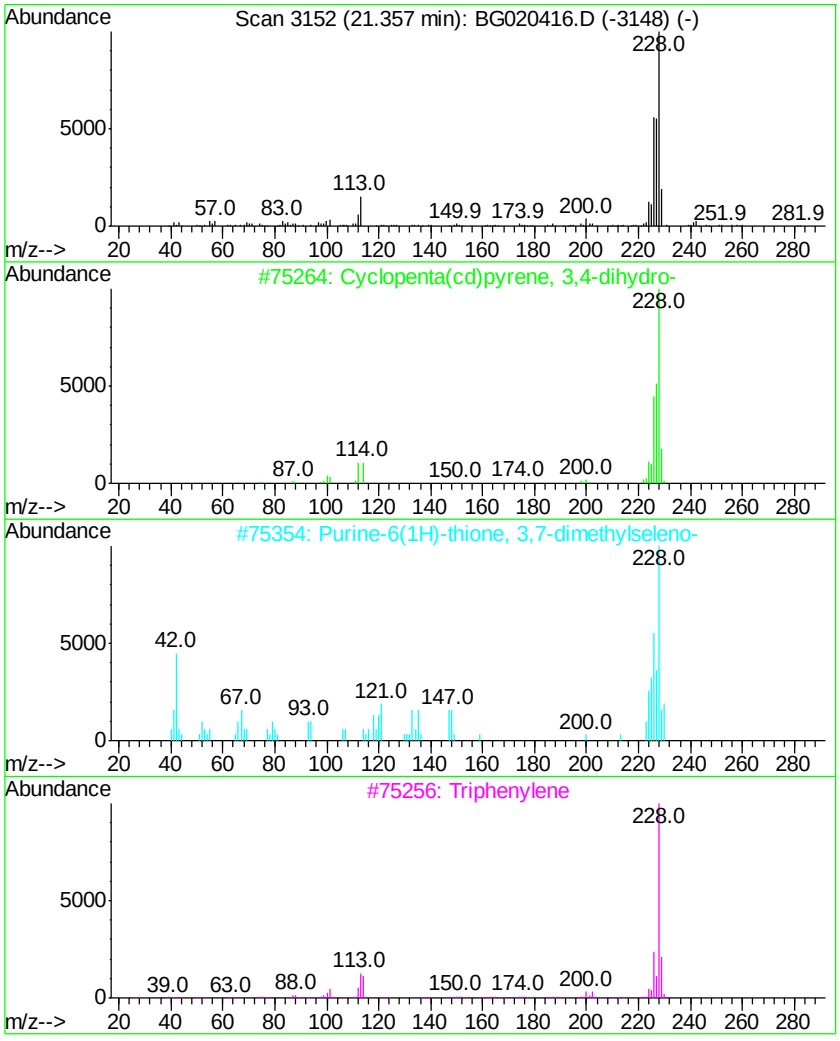
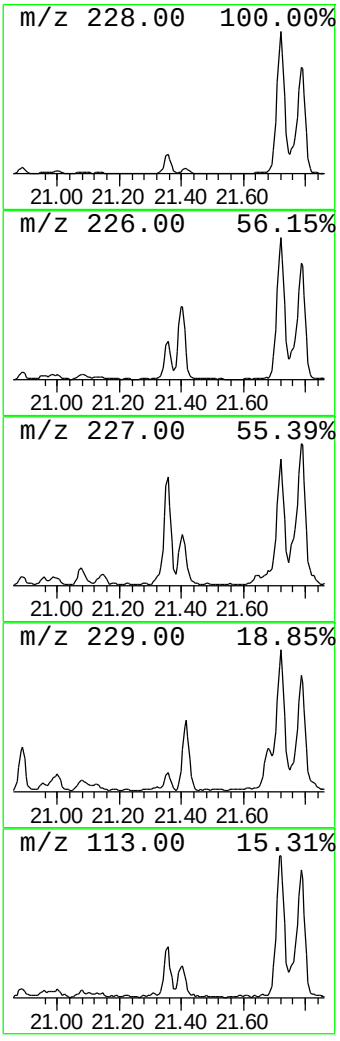
Peak Number 23 Cyclopenta(cd)pyrene, 3,4-d... Concentration Rank 26

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.36	2.61 ng/ul	310180	Chrysene-d12	21.74

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopenta(cd)pyrene, 3,4-dihydro-	228	C18H12	025732-74-5	58
2	Purine-6(1H)-thione, 3,7-dimethy...	228	C7H8N4Se	023663-58-3	58
3	Triphenylene	228	C18H12	000217-59-4	55
4	Benzo[c]phenanthrene	228	C18H12	000195-19-7	53
5	Triphenylene	228	C18H12	000217-59-4	53





Data Path : Z:\HPCHEM1\BNA G\DATA\BG122215\
Data File : BG020416.D
Acq On : 22 Dec 2015 19:33
Operator : UM/SJ
Sample : G4849-09
Misc : med level RX
ALS Vial : 9 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N73ME

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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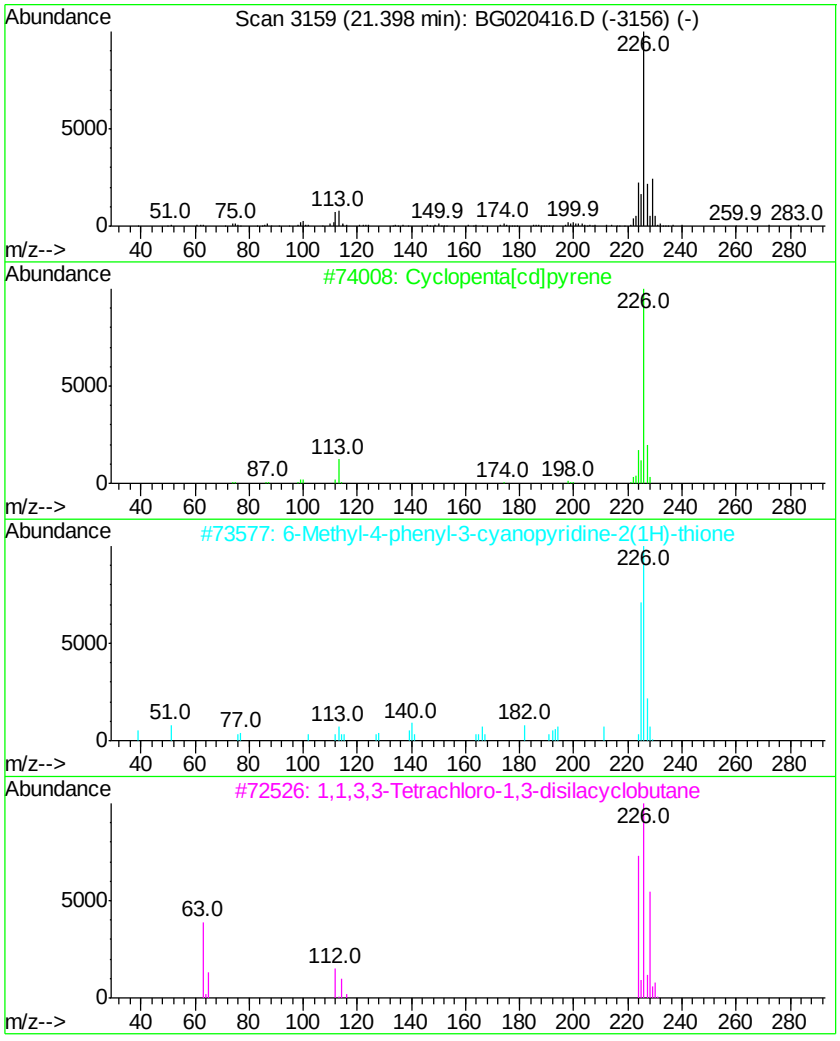
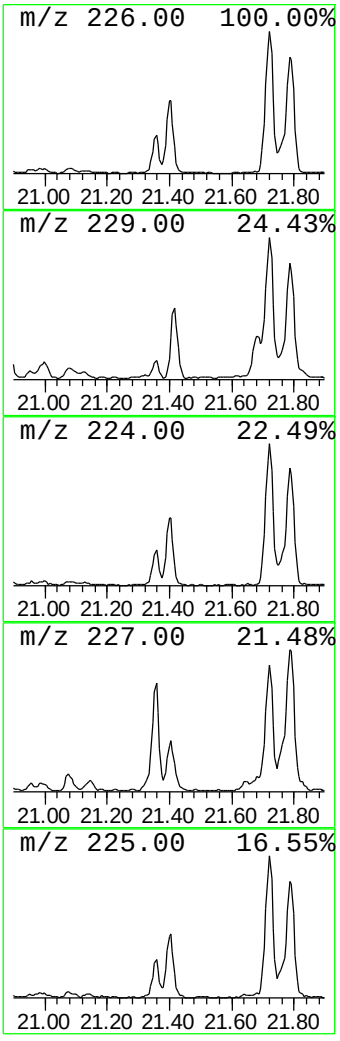
Peak Number 24 unknown-01 Concentration Rank 24

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.40	2.66 ng/ul	316639	Chrysene-d12	21.74

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopenta[cd]pyrene	226	C18H10	027208-37-3	49
2	6-Methyl-4-phenyl-3-cyanopyridin...	226	C13H10N2S	078564-23-5	38
3	1,1,3,3-Tetrachloro-1,3-disilacy...	224	C2H4Cl4Si2	002146-97-6	38
4	.beta.-Carboline, 7-methoxy-1,2-...	226	C14H14N2O	006519-18-2	37
5	Benzene, 1,2,4-trichloro-5-(meth...	226	C7H5Cl3S	004163-78-4	35





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA G\DATA\BG122215\
Data File : BG020416.D
Acq On : 22 Dec 2015 19:33
Operator : UM/SJ
Sample : G4849-09
Misc : med level RX
ALS Vial : 9 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N73ME

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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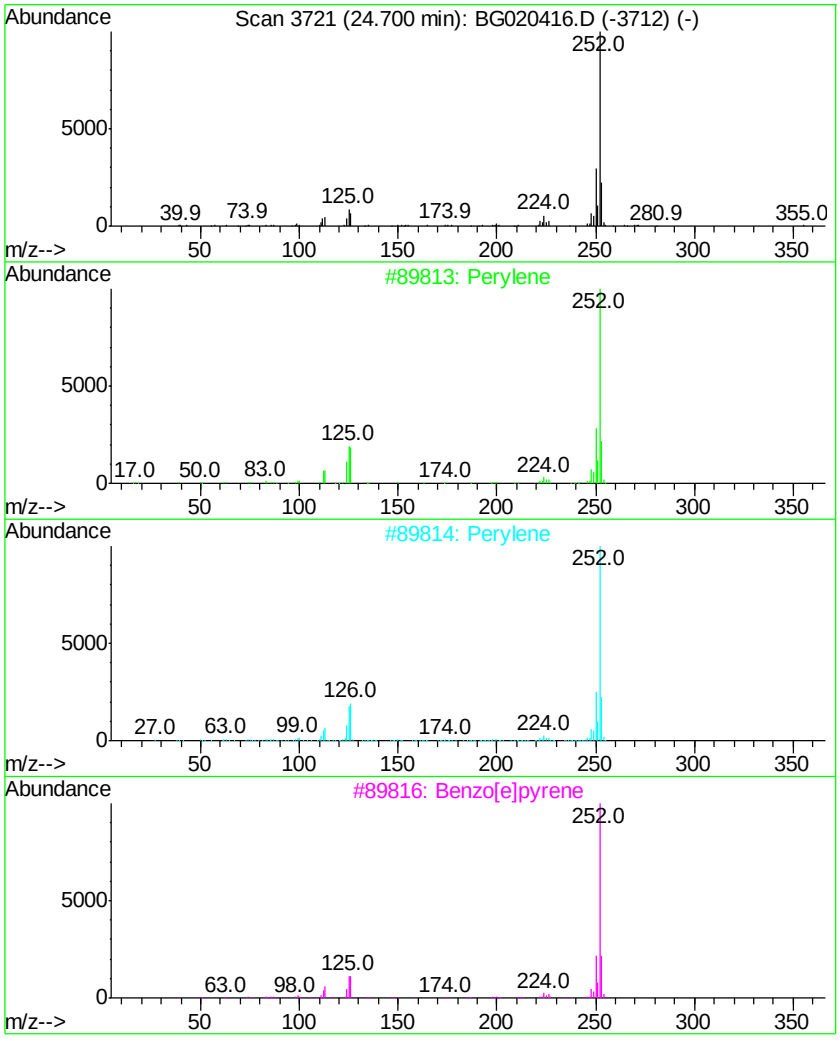
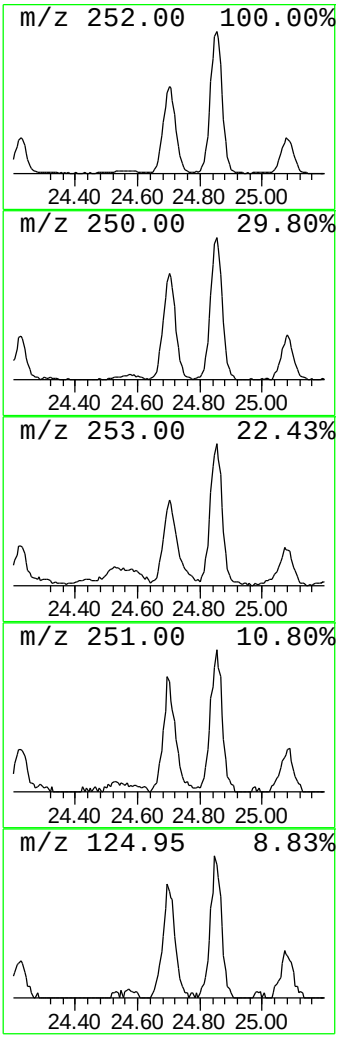
Peak Number 26 Perylene Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
24.70	8.90 ng/ul	247813	Perylene-d12	25.01

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Perylene	252	C20H12	000198-55-0	95
2	Perylene	252	C20H12	000198-55-0	93
3	Benzo[e]pyrene	252	C20H12	000192-97-2	91
4	Benzo[j]fluoranthene	252	C20H12	000205-82-3	90
5	Benzo[k]fluoranthene	252	C20H12	000207-08-9	89





Data Path : Z:\HPCHEM1\BNA G\DATA\BG122215\
Data File : BG020416.D
Acq On : 22 Dec 2015 19:33
Operator : UM/SJ
Sample : G4849-09
Misc : med level RX
ALS Vial : 9 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N73ME

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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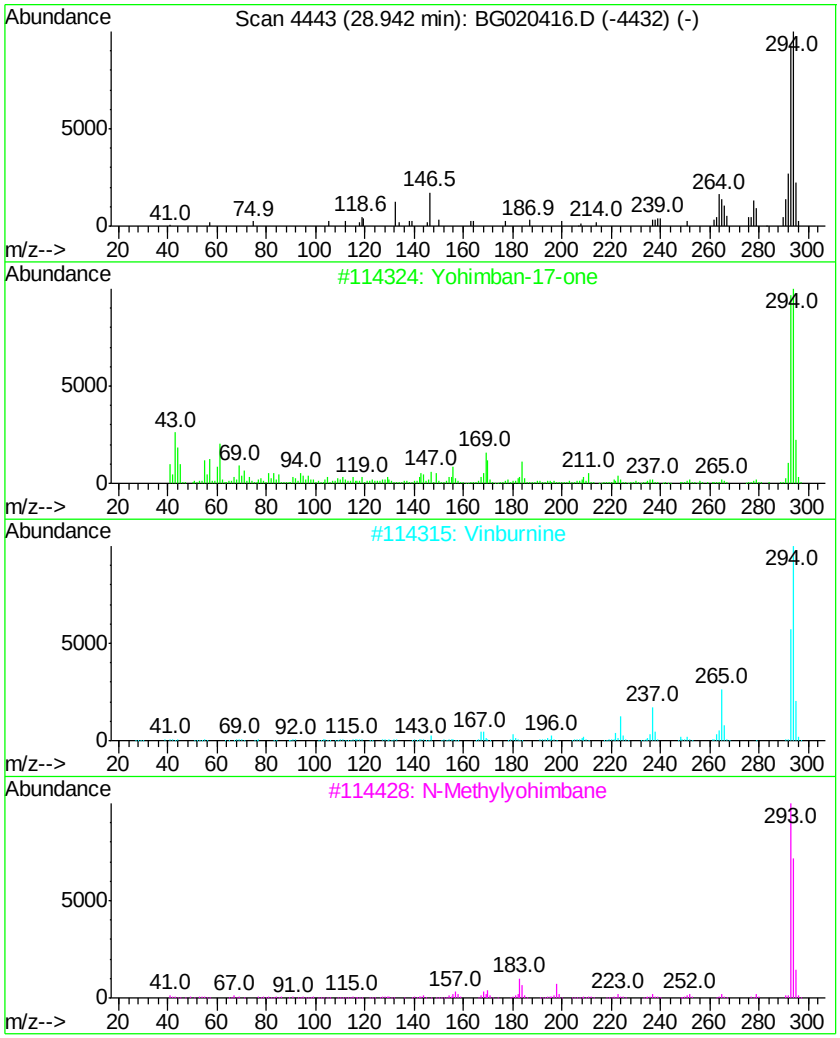
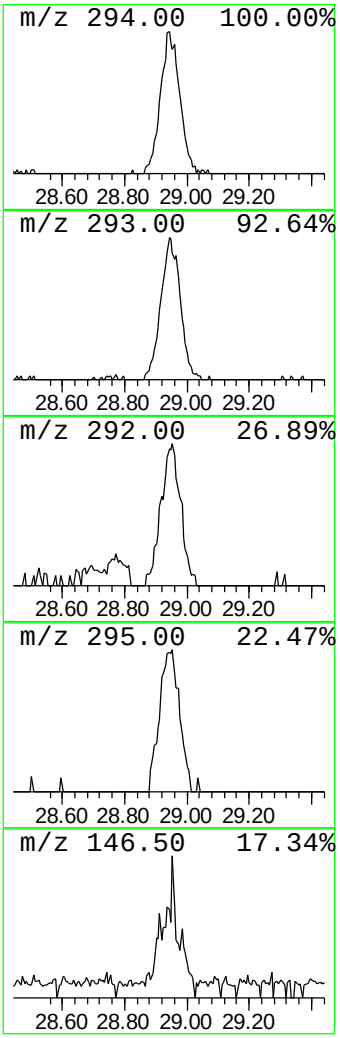
Peak Number 28 Yohimban-17-one Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
28.94	5.04 ng/ul	140345	Perylene-d12	25.01

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Yohimban-17-one	294	C19H22N2O	000523-14-8	64
2	Vinburnine	294	C19H22N2O	004880-88-0	53
3	N-Methylyohimbane	294	C20H26N2	1000128-76-0	53
4	11-Methyldibenzo(a,c)phenazine	294	C21H14N2	004559-60-8	47
5	Vinburnine	294	C19H22N2O	004880-88-0	45





Tentatively Identified Compound (LSC) summary

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG122215\
Data File : BG020416.D
Acq On : 22 Dec 2015 19:33
Operator : UM/SJ
Sample : G4849-09
Misc : med level RX
ALS Vial : 9 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N73ME

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...	12.77	117.7	ng/ul	1063570	2	10.90	180792	20.0
Naphthalene, 2-et...	13.75	24.1	ng/ul	319153	3	14.72	265346	20.0
Naphthalene, 2,3-...	14.04	44.1	ng/ul	584753	3	14.72	265346	20.0
Naphthalene, 1,5-...	14.28	17.2	ng/ul	228416	3	14.72	265346	20.0
2-Naphthalenecarb...	14.85	13.8	ng/ul	182943	3	14.72	265346	20.0
Benzene, [1-(2,4-...	15.02	15.4	ng/ul	204176	3	14.72	265346	20.0
Naphthalene, 2,3,...	15.19	9.6	ng/ul	127175	3	14.72	265346	20.0
Naphthalene, 1,4,...	15.33	9.1	ng/ul	120091	3	14.72	265346	20.0
Diphenylmethane	15.93	42.4	ng/ul	562343	3	14.72	265346	20.0
Naphthalene, 1-(2...	15.98	9.9	ng/ul	131144	3	14.72	265346	20.0
Dibenzofuran, 4-m...	16.06	43.0	ng/ul	570133	3	14.72	265346	20.0
4H-Cyclopenta[def...	18.54	3.7	ng/ul	2224020	4	17.47	12049600	20.0
1,6-Dimethylphena...	19.76	3.0	ng/ul	352143	5	21.74	2381320	20.0
Benzo[b]naphtho[2...	19.94	2.3	ng/ul	275313	5	21.74	2381320	20.0
Benzo[b]naphtho[1...	20.05	2.7	ng/ul	321286	5	21.74	2381320	20.0
Pyrene, 1-methyl-	20.19	4.1	ng/ul	488119	5	21.74	2381320	20.0
11H-Benzo[b]fluorene	20.32	2.5	ng/ul	295337	5	21.74	2381320	20.0
Benzo[b]naphtho[2...	21.32	2.7	ng/ul	321043	5	21.74	2381320	20.0
Cyclopenta(cd)pyr...	21.36	2.6	ng/ul	310180	5	21.74	2381320	20.0
unknown-01	21.40	2.7	ng/ul	316639	5	21.74	2381320	20.0
Perylene	24.70	8.9	ng/ul	247813	6	25.01	556891	20.0
Yohimban-17-one	28.94	5.0	ng/ul	140345	6	25.01	556891	20.0