LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG121715\
Data File : BG020240.D
Acq On : 17 Dec 2015 3:26
Operator : UM/SJ
Sample : G4767-20
Misc :
ALS Vial : 26 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N42

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	7.247	743	750	758	rBV	102480	188368	1.52%	0.210%
2	7.417	773	779	785	rBV	75609	124626	1.01%	0.139%
3	7.623	808	814	823	rVB	102546	172050	1.39%	0.192%
4	8.099	889	895	902	rVB	89786	146897	1.19%	0.164%
5	8.639	980	987	995	rVB	212307	359499	2.90%	0.401%
6	8.798	1007	1014	1021	rBV	142912	239879	1.94%	0.267%
7	9.262	1086	1093	1100	rBV	101083	183416	1.48%	0.204%
8	9.991	1210	1217	1223	rBV	91772	163692	1.32%	0.182%
9	10.531	1302	1309	1318	rBV2	156413	295588	2.39%	0.329%
10	10.919	1368	1375	1378	rBV	116966	236669	1.91%	0.264%
11	10.984	1378	1386	1392	rVV	3057461	6581145	53.18%	7.334%
12	11.042	1392	1396	1400	rVV	138487	250203	2.02%	0.279%
13	11.089	1400	1404	1412	rVB	148974	251923	2.04%	0.281%
14	11.742	1508	1515	1524	rVB	321293	556336	4.50%	0.620%
15	12.570	1646	1656	1663	rBV	1806423	3103017	25.07%	3.458%
16	12.788	1681	1693	1702	rVV	928276	1631322	13.18%	1.818%
17	13.269	1769	1775	1782	rVV	126923	214764	1.74%	0.239%
18	13.563	1818	1825	1834	rVB	700072	1066046	8.61%	1.188%
19	13.757	1852	1858	1870	rVB	218218	416713	3.37%	0.464%
20	13.904	1870	1883	1890	rBV2	273410	743484	6.01%	0.828%
21	14.051	1899	1908	1912	rBV	370412	693230	5.60%	0.772%
22	14.104	1912	1917	1919	rBV	232304	351801	2.84%	0.392%
23	14.133	1919	1922	1926	rVB	257599	334593	2.70%	0.373%
24	14.174	1926	1929	1936	rVB	152537	211875	1.71%	0.236%
25	14.286	1942	1948	1951	rBV	155767	249150	2.01%	0.278%
26	14.427	1963	1972	1974	rBV	279523	534650	4.32%	0.596%
27	14.697	2013	2018	2021	rVV	272920	426574	3.45%	0.475%
28	14.732	2021	2024	2029	rVV3	228140	361075	2.92%	0.402%
29	14.809	2029	2037	2042	rVV	3118294	5481163	44.29%	6.108%
30	14.862	2042	2046	2051	rVV	205457	315009	2.55%	0.351%
31	14.920	2051	2056	2065	rVV3	168209	346576	2.80%	0.386%
32	15.003	2065	2070	2072	rVV2	67653	122671	0.99%	0.137%
33	15.038	2072	2076	2080	rVV	127685	216155	1.75%	0.241%
34	15.132	2085	2092	2098	rVV	2186754	3803163	30.73%	4.238%

LSC Area Percent Report

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Acq On : 17 Dec 2015 3:26
Operator : UM/SJ
Sample : G4767-20
Misc :
ALS Vial : 26 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N42

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	15.196	2098	2103	2111	rVB2	91894	165642	1.34%	0.185%
36	15.337	2118	2127	2132	rBV3	72614	149359	1.21%	0.166%
37	15.508	2148	2156	2159	rBV	67542	131626	1.06%	0.147%
38	15.719	2187	2192	2196	rVV	312109	538973	4.36%	0.601%
39	15.784	2196	2203	2209	rVV	2836276	4816891	38.92%	5.368%
40	15.866	2209	2217	2219	rVV3	141299	323953	2.62%	0.361%
41	15.896	2219	2222	2225	rVV	229831	365758	2.96%	0.408%
42	15.937	2225	2229	2233	rVV2	395938	633655	5.12%	0.706%
43	15.984	2233	2237	2240	rVV3	114603	210437	1.70%	0.234%
44	16.019	2240	2243	2247	rVV	199878	337335	2.73%	0.376%
45	16.066	2247	2251	2259	rVV	418956	649167	5.25%	0.723%
46	16.213	2266	2276	2283	rVV	436063	1026477	8.29%	1.144%
47	16.278	2283	2287	2289	rVV	74960	119586	0.97%	0.133%
48	16.560	2331	2335	2341	rBV	173472	274583	2.22%	0.306%
49	16.730	2359	2364	2365	rVV2	113204	154700	1.25%	0.172%
50	16.771	2366	2371	2376	rVV2	321196	600049	4.85%	0.669%
51	16.818	2376	2379	2385	rVV2	134270	253458	2.05%	0.282%
52	16.918	2391	2396	2401	rVV2	132035	234121	1.89%	0.261%
53	16.994	2407	2409	2413	rVV	108259	174973	1.41%	0.195%
54	17.041	2413	2417	2420	rVV2	130456	216839	1.75%	0.242%
55	17.124	2428	2431	2438	rVB5	78319	135213	1.09%	0.151%
56	17.200	2438	2444	2451	rBV4	140998	382022	3.09%	0.426%
57	17.294	2451	2460	2468	rVV	704690	1202161	9.71%	1.340%
58	17.547	2492	2503	2507	rBV	5733306	12375457	100.00%	13.790%
59	17.582	2507	2509	2512	rVV	498763	677002	5.47%	0.754%
60	17.617	2512	2515	2520	rVB	1016732	1246953	10.08%	1.390%
61	17.876	2547	2559	2567	rBV2	951898	1783583	14.41%	1.988%
62	17.987	2574	2578	2581	rVV	122544	159522	1.29%	0.178%
63	18.193	2608	2613	2621	rVB2	61133	154080	1.25%	0.172%
64	18.346	2634	2639	2643	rVV	602395	873479	7.06%	0.973%
65	18.393	2643	2647	2653	rVB	836504	1205066	9.74%	1.343%
66	18.475	2653	2661	2666	rBV2	255002	463866	3.75%	0.517%
67	18.545	2666	2673	2683	rBV3	1070157	2192375	17.72%	2.443%
68	18.839	2717	2723	2727	rBV	452007	648935	5.24%	0.723%
69	19.250	2787	2793	2798	rBV	138446	265490	2.15%	0.296%
70	19.533	2831	2841	2846	rBV	3842454	6600661	53.34%	7.355%
71	19.609	2851	2854	2859	rVB	117411	158620	1.28%	0.177%

LSC Area Percent Report

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Acq On : 17 Dec 2015 3:26
Operator : UM/SJ
Sample : G4767-20
Misc :
ALS Vial : 26 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N42

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

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

72	19.762	2874	2880	2889	rVB2	174617	361594	2.92%	0.403%
73	19.856	2889	2896	2898	rBV3	1209287	2077720	16.79%	2.315%
74	19.891	2898	2902	2908	rVB	2718161	4206730	33.99%	4.688%
75	19.944	2908	2911	2918	rVB3	156177	239978	1.94%	0.267%
76	20.050	2923	2929	2935	rBV	192540	284419	2.30%	0.317%
77	20.114	2935	2940	2945	rVB	105340	157978	1.28%	0.176%
78	20.191	2947	2953	2954	rBV2	159970	232406	1.88%	0.259%
79	20.249	2960	2963	2968	rVB	141554	179228	1.45%	0.200%
80	20.314	2968	2974	2977	rBV2	132688	246033	1.99%	0.274%
81	20.367	2978	2983	2988	rVB	536841	782805	6.33%	0.872%
82	20.467	2993	3000	3004	rBV	625655	900829	7.28%	1.004%
83	20.525	3004	3010	3013	rVV2	175253	352289	2.85%	0.393%
84	20.561	3013	3016	3019	rVV	107728	143721	1.16%	0.160%
85	20.661	3029	3033	3037	rBV	83547	122289	0.99%	0.136%
86	20.708	3037	3041	3044	rVV2	97596	154546	1.25%	0.172%
87	20.743	3044	3047	3052	rVB3	114383	136147	1.10%	0.152%
88	21.313	3136	3144	3148	rBV	177640	301963	2.44%	0.336%
89	21.360	3148	3152	3156	rVV	217750	351865	2.84%	0.392%
90	21.407	3156	3160	3165	rVV2	135046	247430	2.00%	0.276%
91	21.724	3204	3214	3221	rBV3	842499	2072676	16.75%	2.310%
92	21.789	3221	3225	3232	rVB	573491	951785	7.69%	1.061%
93	21.941	3246	3251	3257	rBV	147499	248652	2.01%	0.277%
94	22.147	3280	3286	3293	rBV2	90444	185571	1.50%	0.207%
95	22.476	3334	3342	3348	rVV	56874	135849	1.10%	0.151%
96	23.969	3585	3596	3603	rBV2	172916	576413	4.66%	0.642%
97	24.703	3711	3721	3727	rBV2	73896	216122	1.75%	0.241%
98	24.785	3727	3735	3741	rVV	239890	658106	5.32%	0.733%
99	24.856	3742	3747	3760	rVV2	116231	328933	2.66%	0.367%
100	25.008	3762	3773	3781	rVV	208965	609631	4.93%	0.679%

Sum of corrected areas: 89739097

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG121715\
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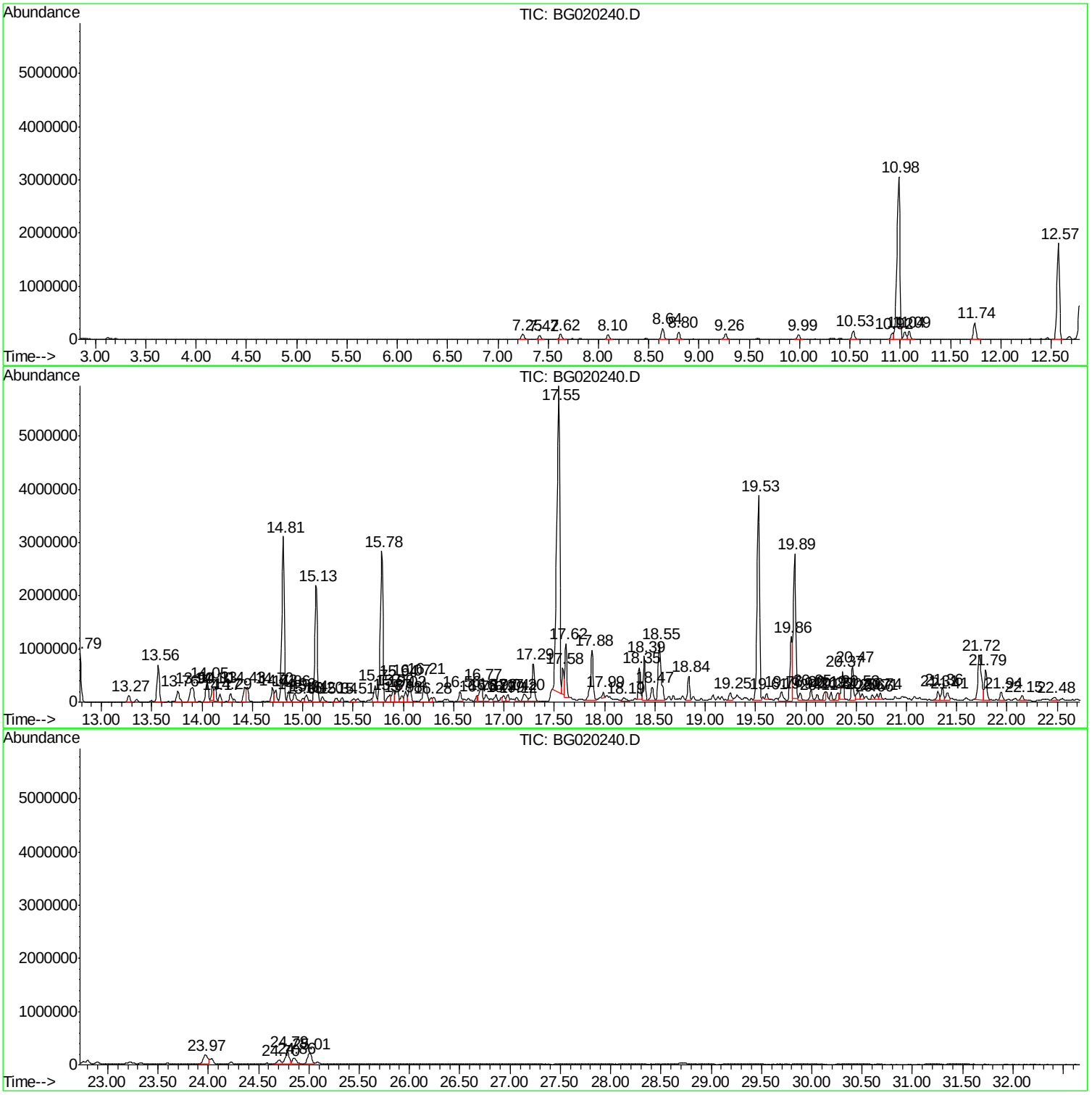
Misc :
ALS Vial : 26 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N42

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\BG121715\
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Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
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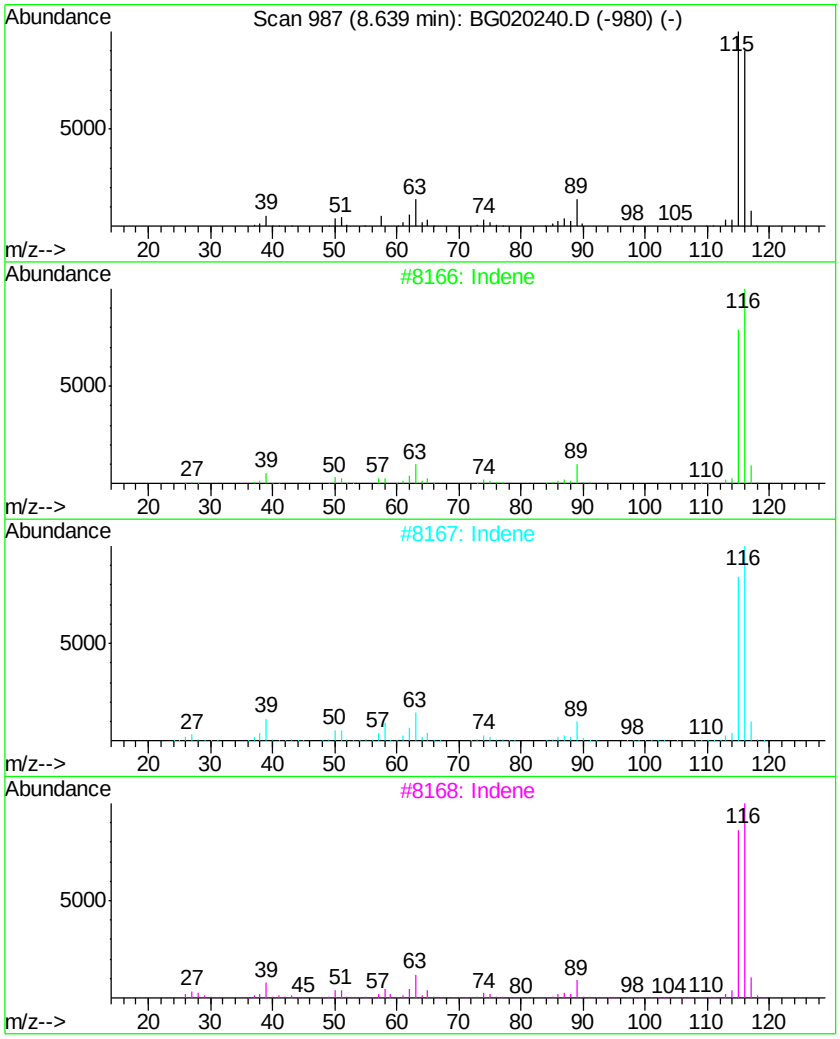
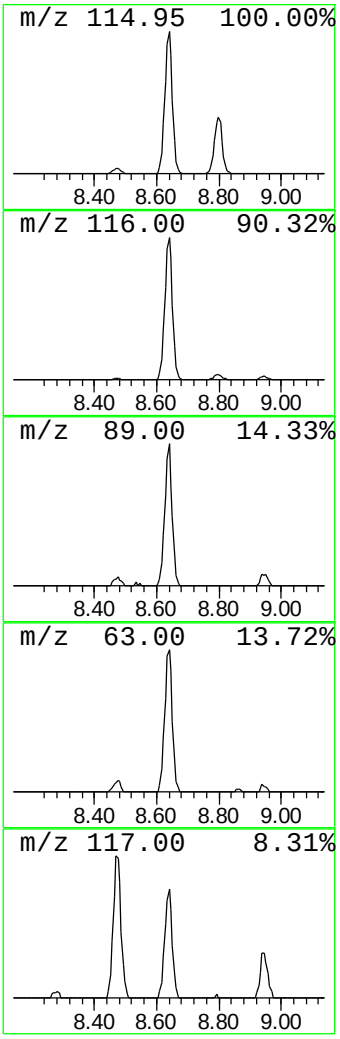
****

Peak Number 1 Indene Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.64	48.95 ng/ul	359499	1,4-Dichlorobenzene-d4	8.10

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	Indene	116	C9H8	000095-13-6	95
4	Benzene, 1-propynyl-	116	C9H8	000673-32-5	94
5	Benzene, 1,2-propadienyl-	116	C9H8	002327-99-3	91





Data Path : Z:\HPCHEM1\BNA_G\DATA\BG121715\
Data File : BG020240.D
Acq On : 17 Dec 2015 3:26
Operator : UM/SJ
Sample : G4767-20
Misc :
ALS Vial : 26 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N42

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

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

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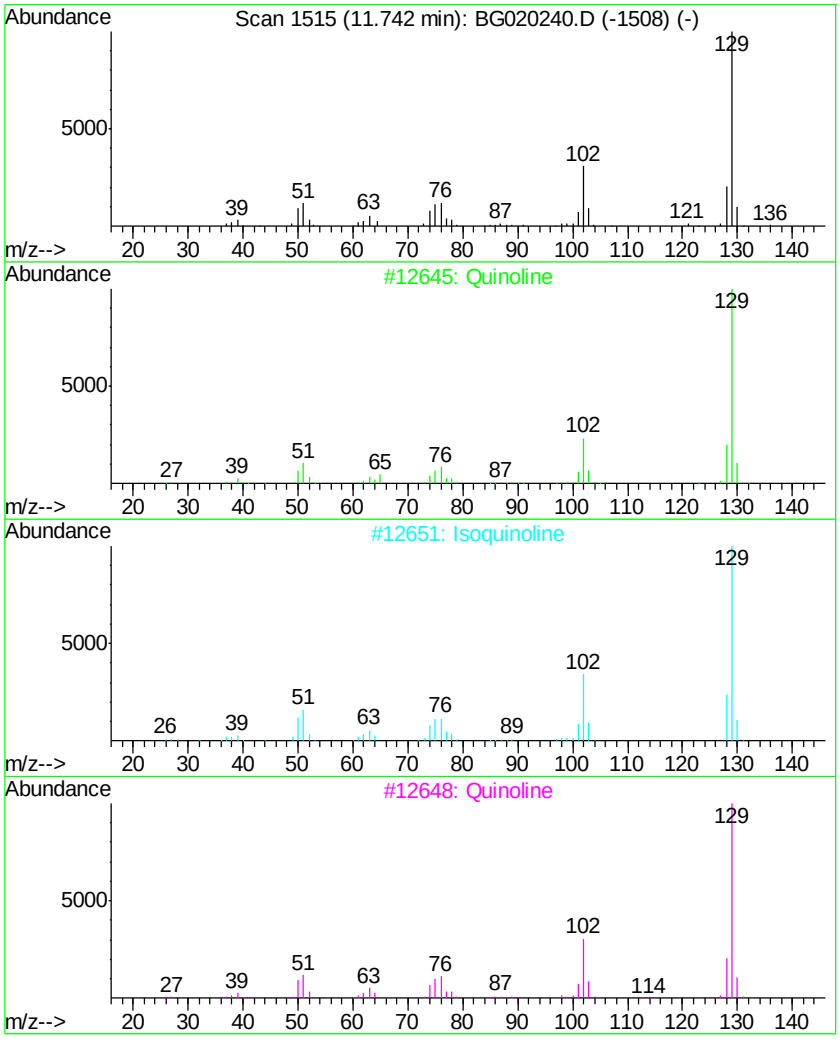
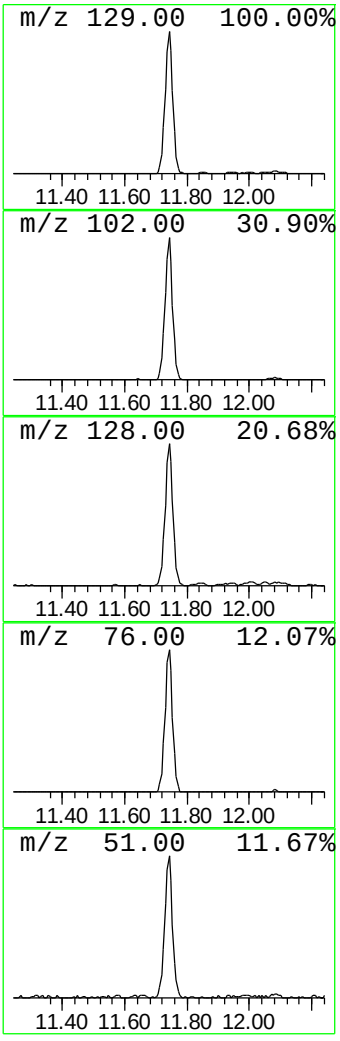
Peak Number 2 Quinoline Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.74	47.01 ng/ul	556336	Naphthalene-d8	10.92

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Quinoline	129	C9H7N	000091-22-5	97
2	Isoquinoline	129	C9H7N	000119-65-3	96
3	Quinoline	129	C9H7N	000091-22-5	96
4	Quinoline	129	C9H7N	000091-22-5	96
5	Isoquinoline	129	C9H7N	000119-65-3	95





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG121715\
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Sample : G4767-20
Misc :
ALS Vial : 26 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N42

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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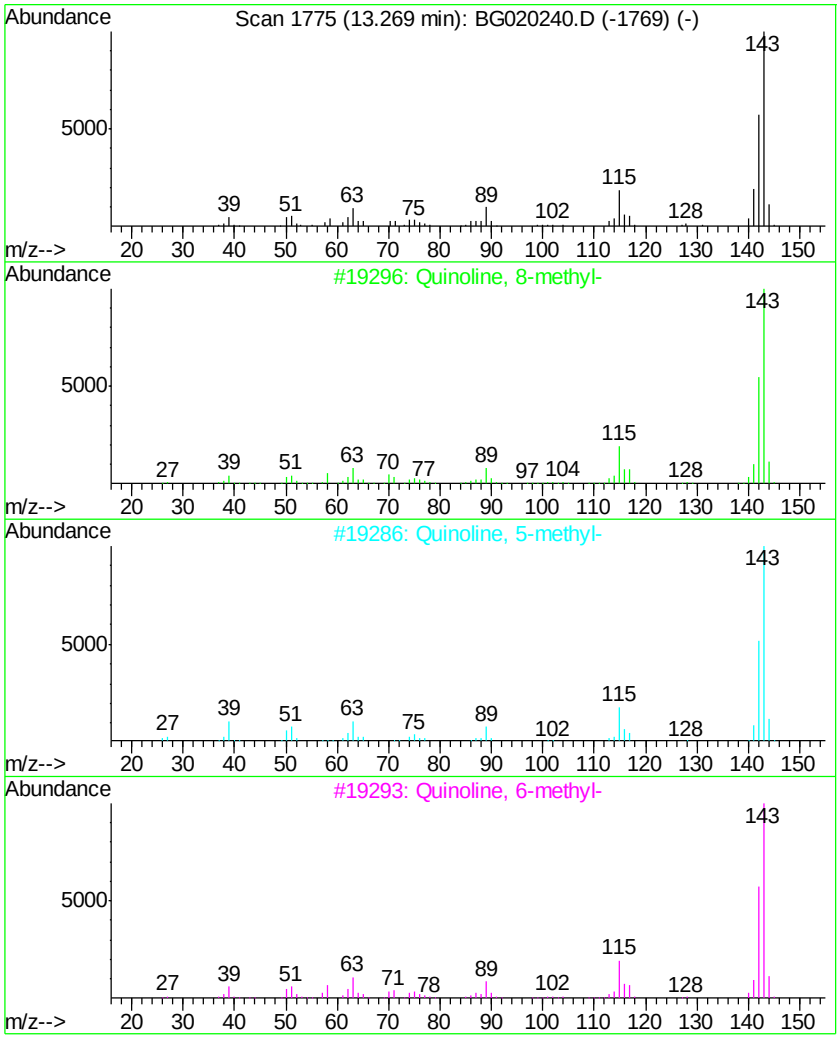
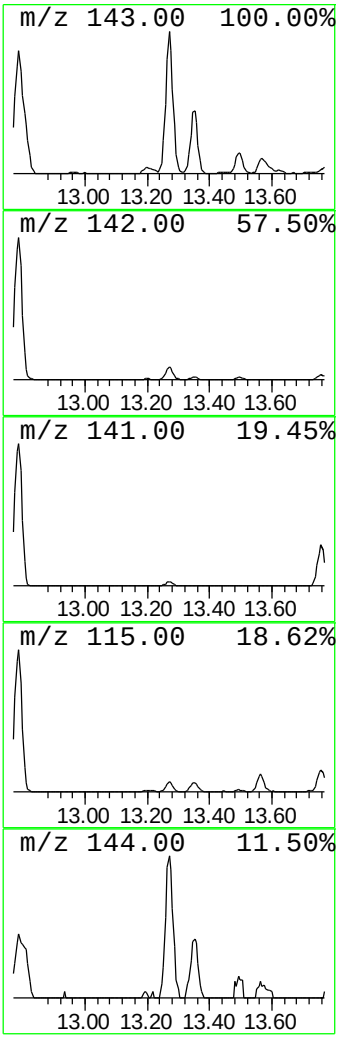
Peak Number 3 Quinoline, 8-methyl- Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.27	11.90 ng/ul	214764	Acenaphthene-d10	14.73

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Quinoline, 8-methyl-	143	C10H9N	000611-32-5	95
2	Quinoline, 5-methyl-	143	C10H9N	007661-55-4	95
3	Quinoline, 6-methyl-	143	C10H9N	000091-62-3	95
4	Quinoline, 7-methyl-	143	C10H9N	000612-60-2	95
5	Quinoline, 7-methyl-	143	C10H9N	000612-60-2	94





Data Path : Z:\HPCHEM1\BNA_G\DATA\BG121715\
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Sample : G4767-20
Misc :
ALS Vial : 26 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N42

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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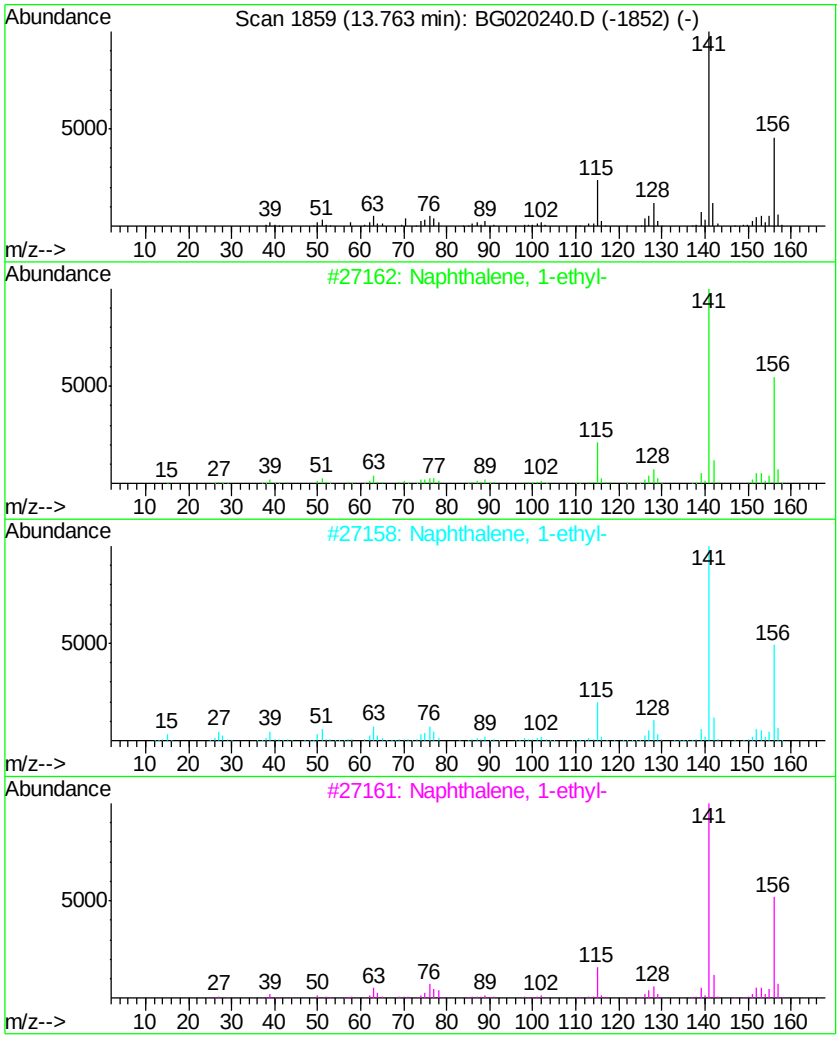
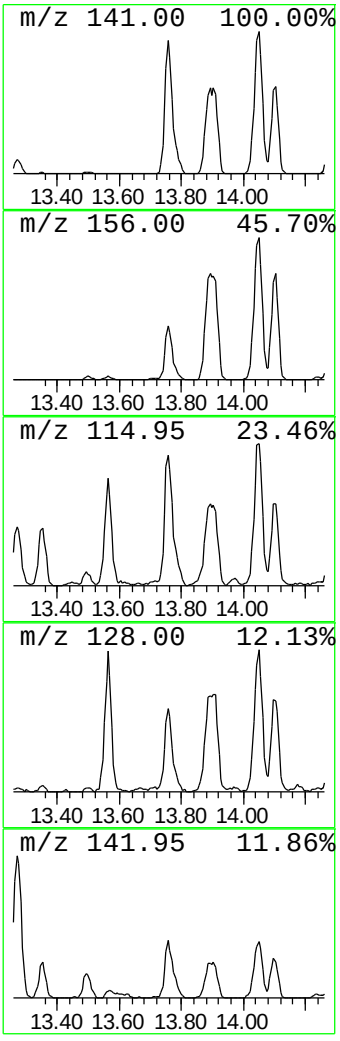
Peak Number 4 Naphthalene, 1-ethyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.76	23.08 ng/ul	416713	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, 1-ethyl-	156	C12H12	001127-76-0	94
4	Naphthalene, 2-ethyl-	156	C12H12	000939-27-5	94
5	Naphthalene, 2-ethyl-	156	C12H12	000939-27-5	93





Data Path : Z:\HPCHEM1\BNA_G\DATA\BG121715\
Data File : BG020240.D
Acq On : 17 Dec 2015 3:26
Operator : UM/SJ
Sample : G4767-20
Misc :
ALS Vial : 26 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N42

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

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

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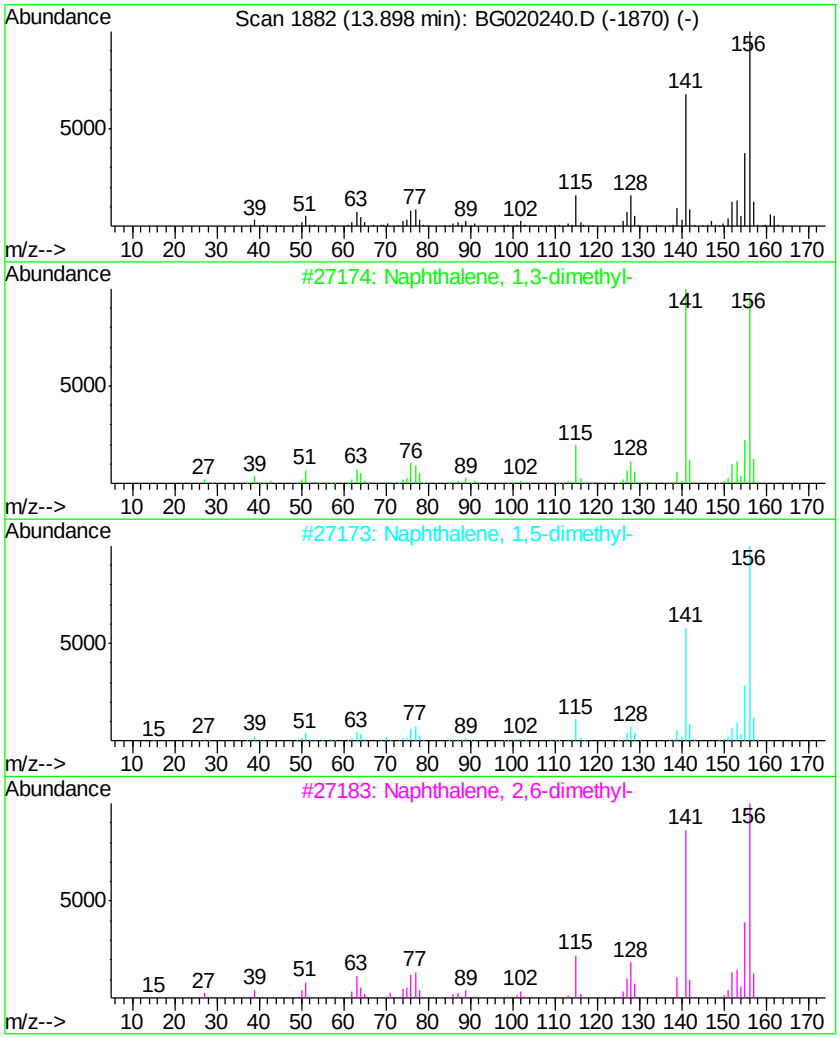
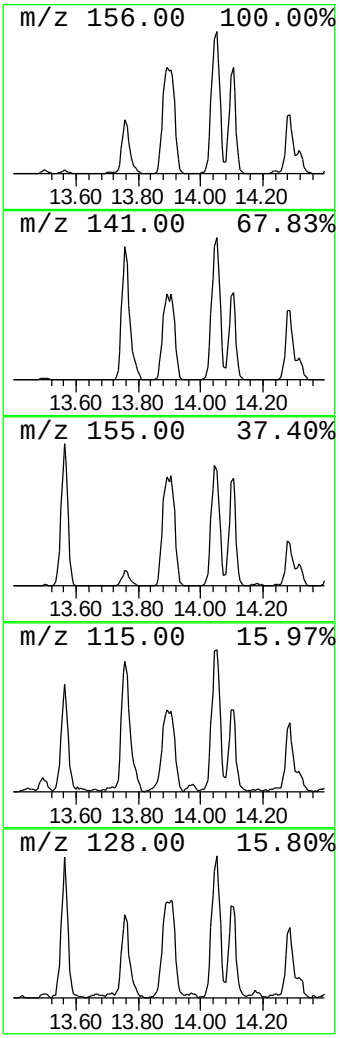
Peak Number 5 Naphthalene, 1,3-dimethyl- Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.90	41.18 ng/ul	743484	Acenaphthene-d10	14.73

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1,3-dimethyl-	156	C12H12	000575-41-7	96
2	Naphthalene, 1,5-dimethyl-	156	C12H12	000571-61-9	96
3	Naphthalene, 2,6-dimethyl-	156	C12H12	000581-42-0	96
4	Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	96
5	Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	95





Data Path : Z:\HPCHEM1\BNA_G\DATA\BG121715\
Data File : BG020240.D
Acq On : 17 Dec 2015 3:26
Operator : UM/SJ
Sample : G4767-20
Misc :
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Instrument : BNA_G
ClientSampleId : D9N42

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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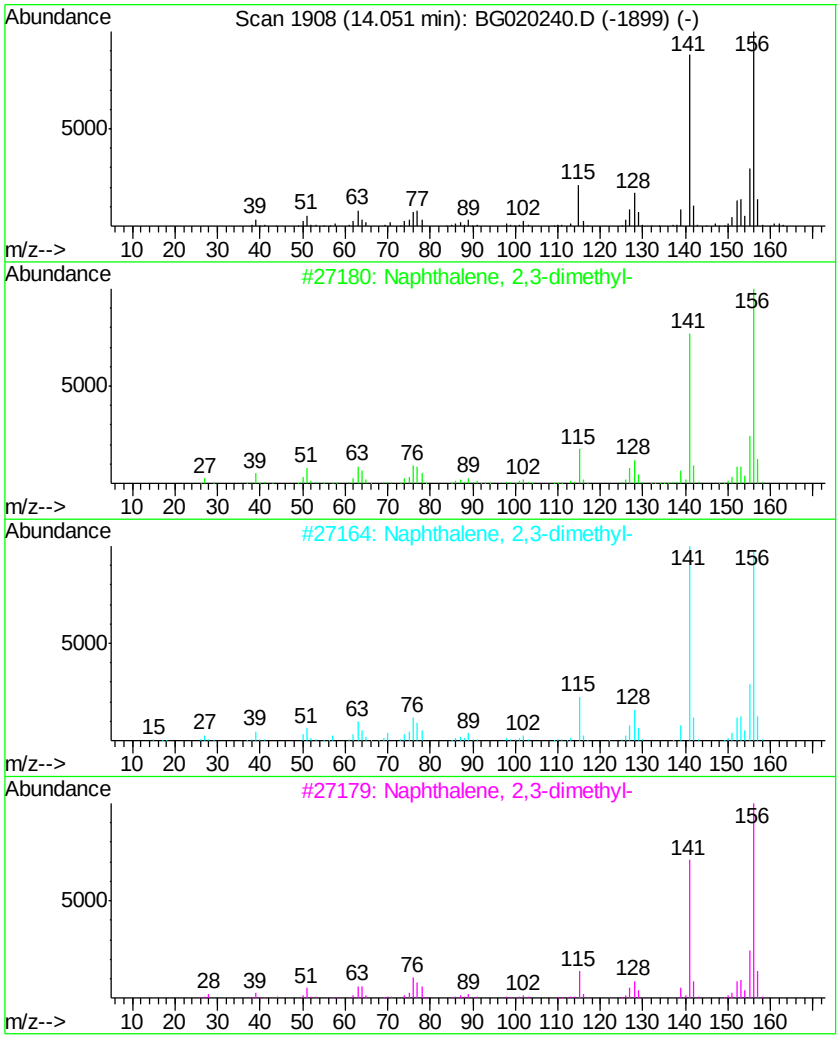
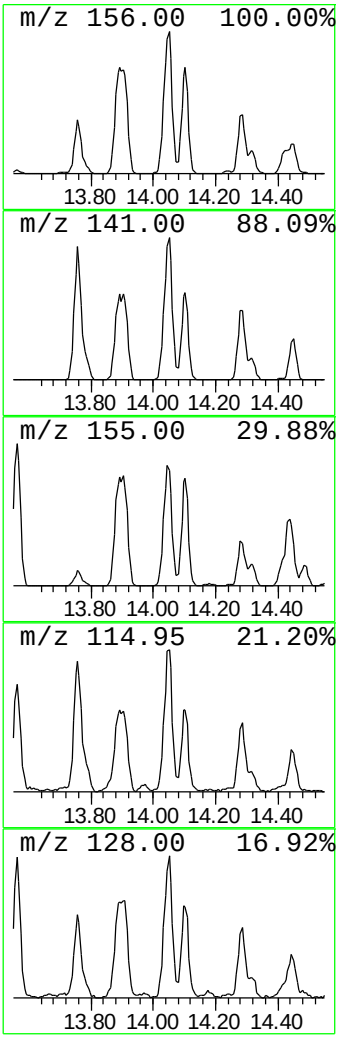
Peak Number 6 Naphthalene, 2,3-dimethyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.05	38.40 ng/ul	693230	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, 2,3-dimethyl-	156	C12H12	000581-40-8	97
3	Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	97
4	Naphthalene, 1,7-dimethyl-	156	C12H12	000575-37-1	97
5	Naphthalene, 1,3-dimethyl-	156	C12H12	000575-41-7	97





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Instrument : BNA_G
ClientSampleId : D9N42

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Quant Title : SVOA CALIBRATION

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

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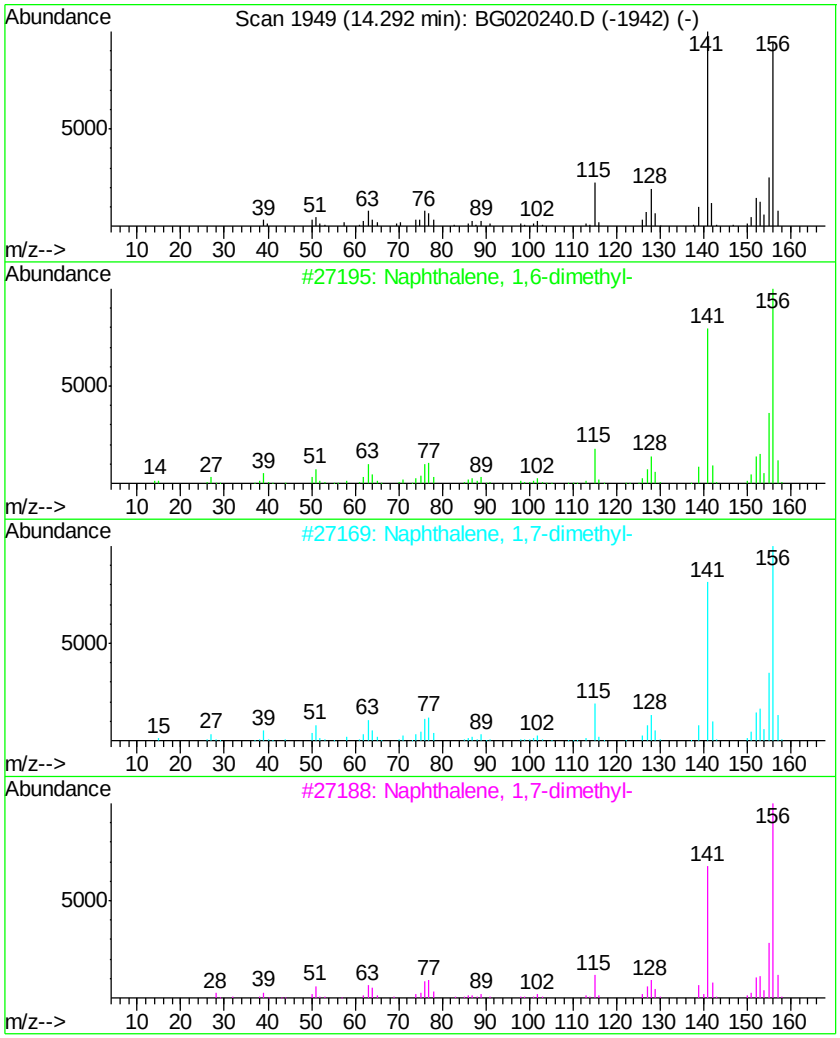
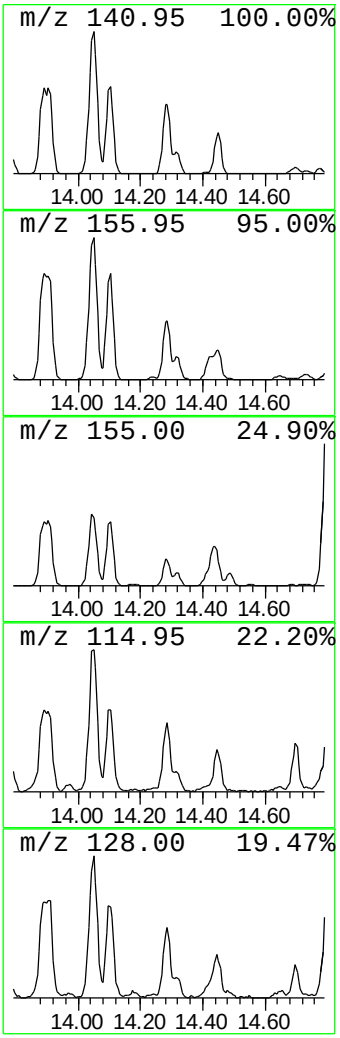
Peak Number 7 Naphthalene, 1,6-dimethyl- Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.29	13.80 ng/ul	249150	Acenaphthene-d10	14.73

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	95
2	Naphthalene, 1,7-dimethyl-	156	C12H12	000575-37-1	95
3	Naphthalene, 1,7-dimethyl-	156	C12H12	000575-37-1	95
4	Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	95
5	Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	95





Library Search Compound Report

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Sample : G4767-20
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Instrument : BNA_G
ClientSampleId : D9N42

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Quant Title : SVOA CALIBRATION

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

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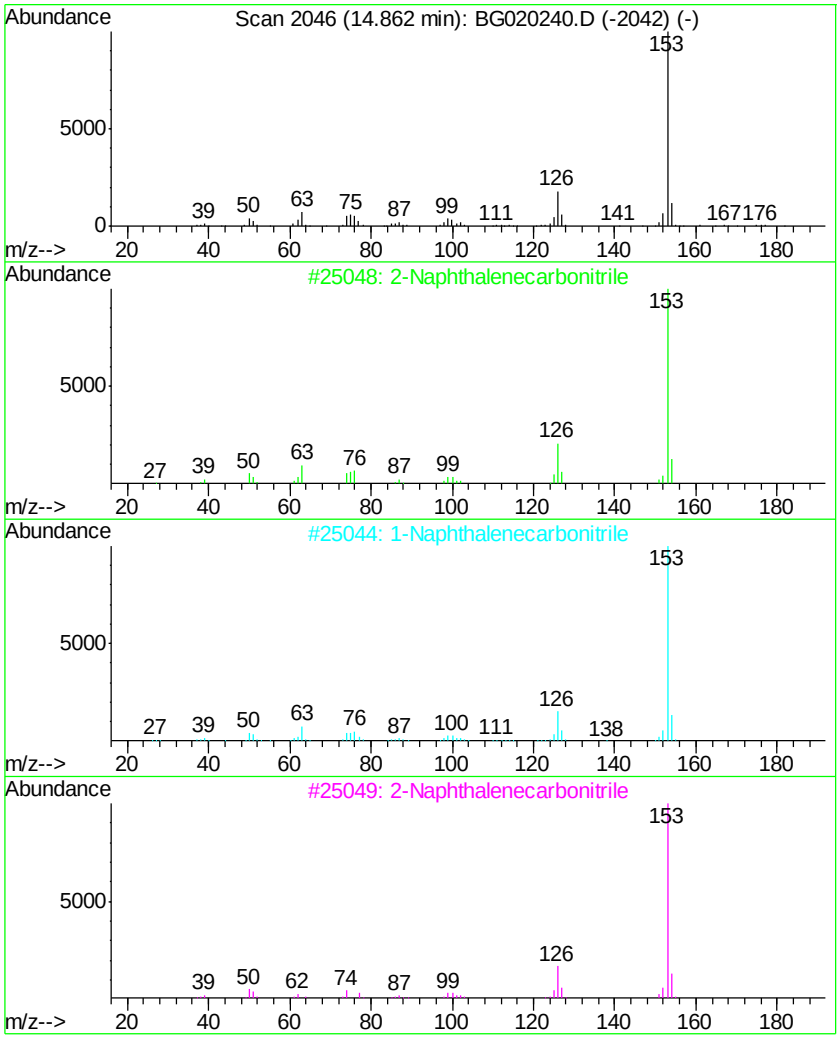
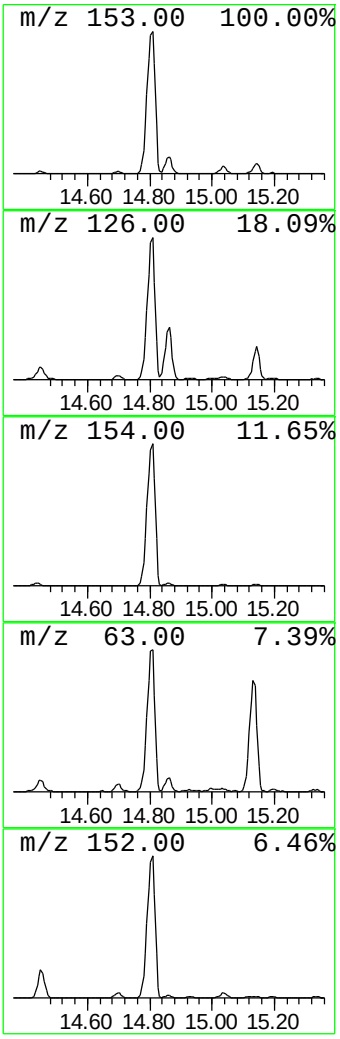
Peak Number 8 2-Naphthalenecarbonitrile Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.86	17.45 ng/ul	315009	Acenaphthene-d10	14.73

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Naphthalenecarbonitrile	153	C11H7N	000613-46-7	97
2	1-Naphthalenecarbonitrile	153	C11H7N	000086-53-3	97
3	2-Naphthalenecarbonitrile	153	C11H7N	000613-46-7	91
4	2-Naphthalenecarbonitrile	153	C11H7N	000613-46-7	91
5	Naphthalene, 1-isocyano-	153	C11H7N	001984-04-9	90





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Misc :
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Instrument : BNA_G
ClientSampleId : D9N42

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Quant Title : SVOA CALIBRATION

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

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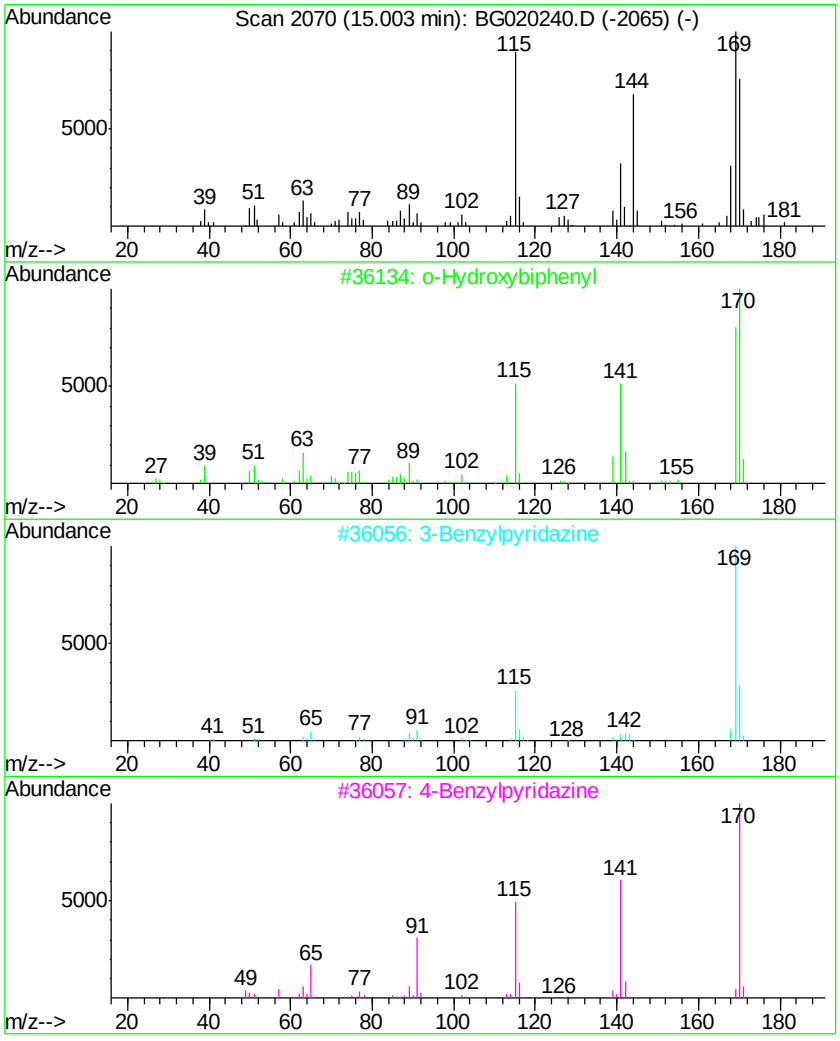
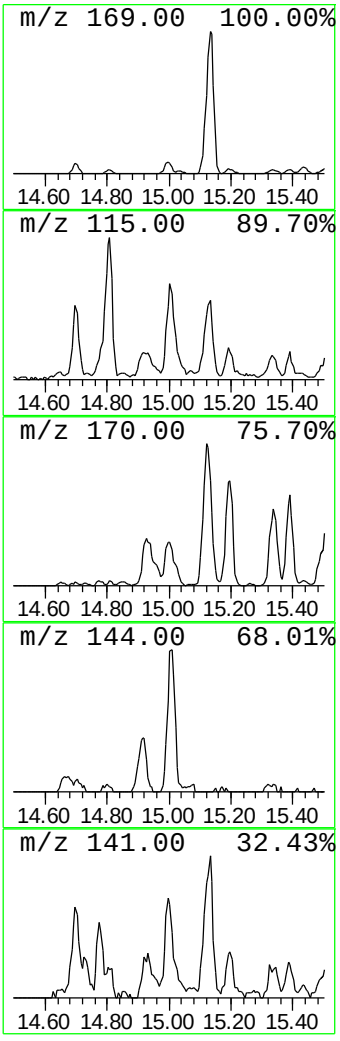
Peak Number 9 o-Hydroxybiphenyl Concentration Rank 21

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.00	6.79 ng/ul	122671	Acenaphthene-d10	14.73

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	o-Hydroxybiphenyl	170	C12H10O	000090-43-7	86
2	3-Benzylpyridazine	170	C11H10N2	060905-93-3	53
3	4-Benzylpyridazine	170	C11H10N2	053074-22-9	46
4	Cinnoline, 3-methyl-	144	C9H8N2	017372-78-0	42
5	o-Hydroxybiphenyl	170	C12H10O	000090-43-7	38





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Sample : G4767-20
Misc :
ALS Vial : 26 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N42

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Quant Title : SVOA CALIBRATION

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

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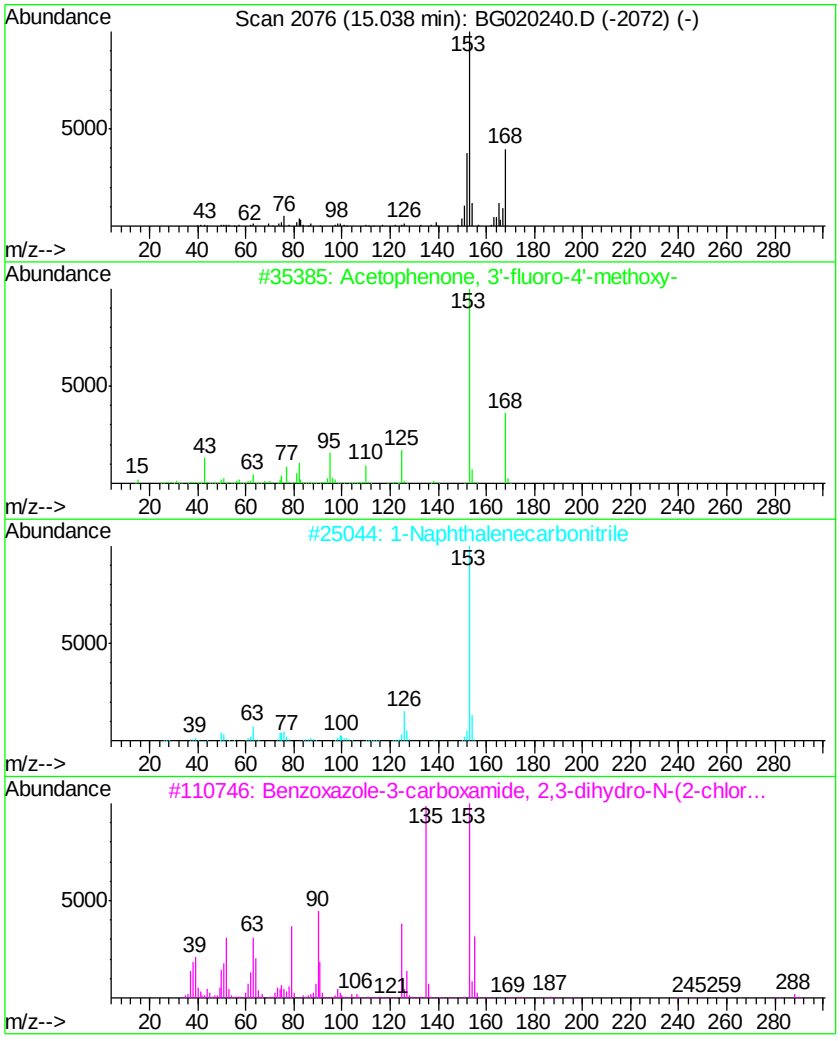
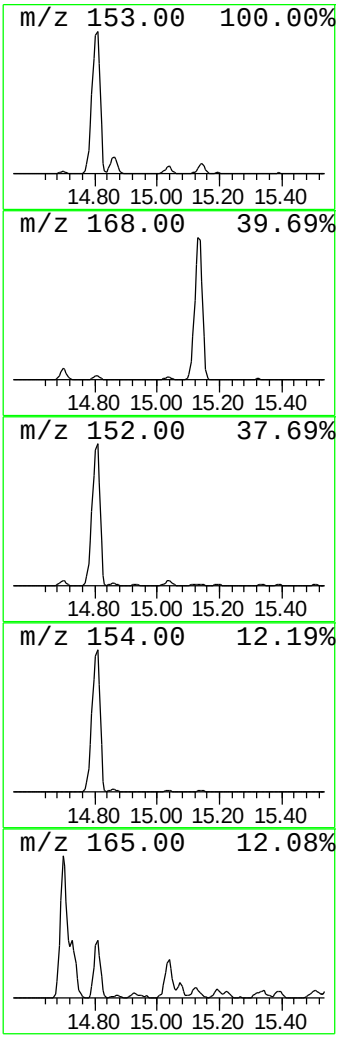
Peak Number 10 unknown-01 Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.04	11.97 ng/ul	216155	Acenaphthene-d10	14.73

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Acetophenone, 3'-fluoro-4'-methoxy-	168	C9H9FO2	000455-91-4	33
2	1-Naphthalenecarbonitrile	153	C11H7N	000086-53-3	23
3	Benzoxazole-3-carboxamide, 2,3-d...	288	C14H9ClN2O3	1000271-25-6	17
4	2-Naphthalenecarbonitrile	153	C11H7N	000613-46-7	17
5	2(1H)-Pyridinethione, 1,4,6-trim...	153	C8H11NS	019006-70-3	9





Library Search Compound Report

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Sample : G4767-20
Misc :
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ClientSampleId : D9N42

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Quant Title : SVOA CALIBRATION

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

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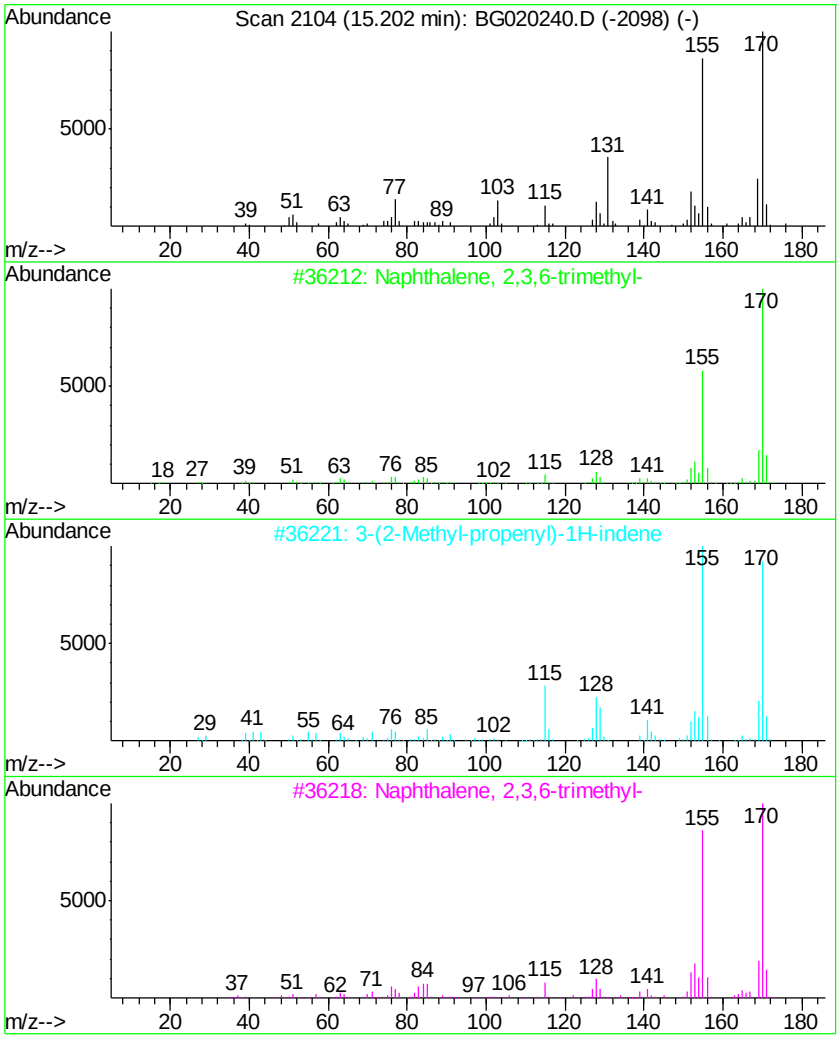
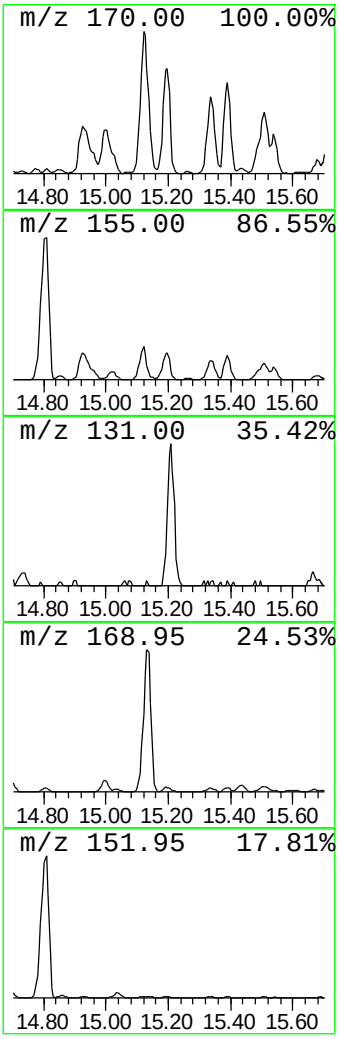
Peak Number 11 Naphthalene, 2,3,6-trimethyl- Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.20	9.17 ng/ul	165642	Acenaphthene-d10	14.73

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2,3,6-trimethyl-	170	C13H14	000829-26-5	96
2	3-(2-Methyl-propenyl)-1H-indene	170	C13H14	1000187-78-5	94
3	Naphthalene, 2,3,6-trimethyl-	170	C13H14	000829-26-5	94
4	Naphthalene, 1,4,6-trimethyl-	170	C13H14	002131-42-2	94
5	Naphthalene, 2,3,6-trimethyl-	170	C13H14	000829-26-5	93





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Sample : G4767-20
Misc :
ALS Vial : 26 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N42

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Quant Title : SVOA CALIBRATION

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

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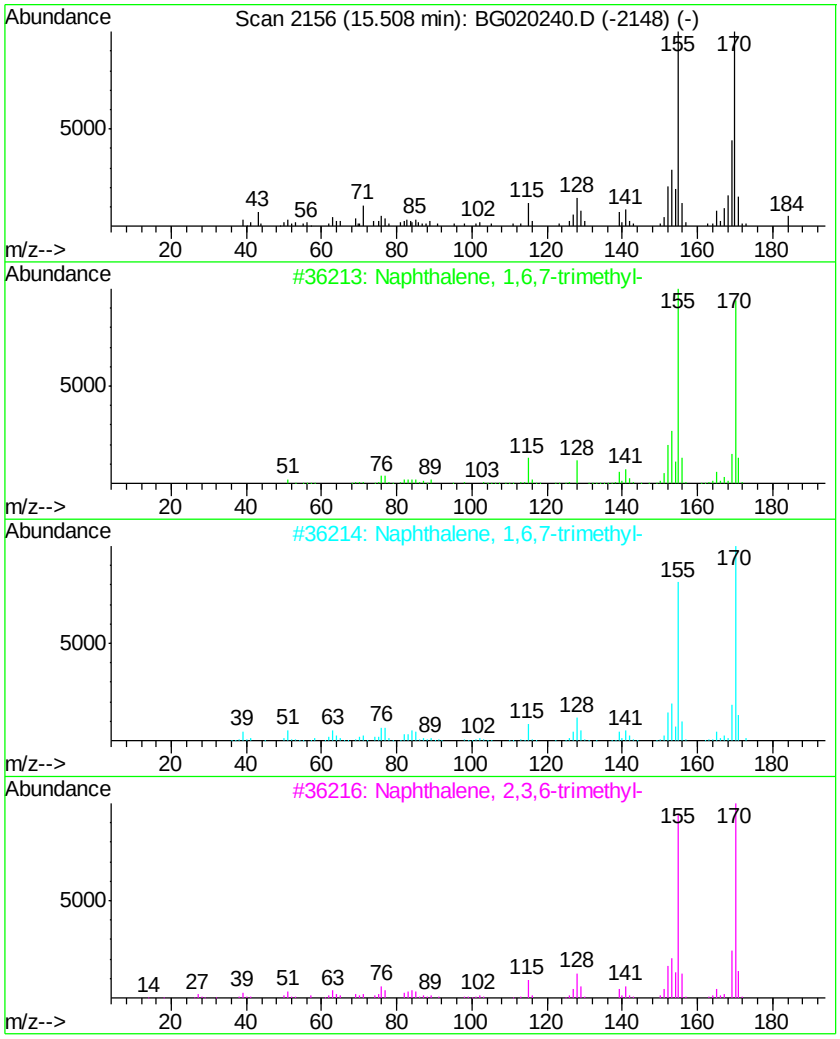
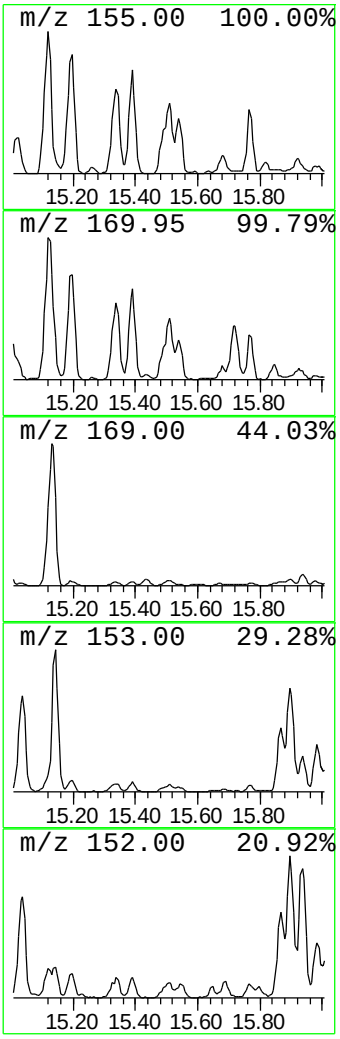
Peak Number 13 Naphthalene, 1,6,7-trimethyl- Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.51	7.29 ng/ul	131626	Acenaphthene-d10	14.73

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, 1,4,5-trimethyl-	170	C13H14	002131-41-1	95
5	Naphthalene, 1,4,6-trimethyl-	170	C13H14	002131-42-2	94





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Sample : G4767-20
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Instrument : BNA_G
ClientSampleId : D9N42

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Quant Title : SVOA CALIBRATION

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

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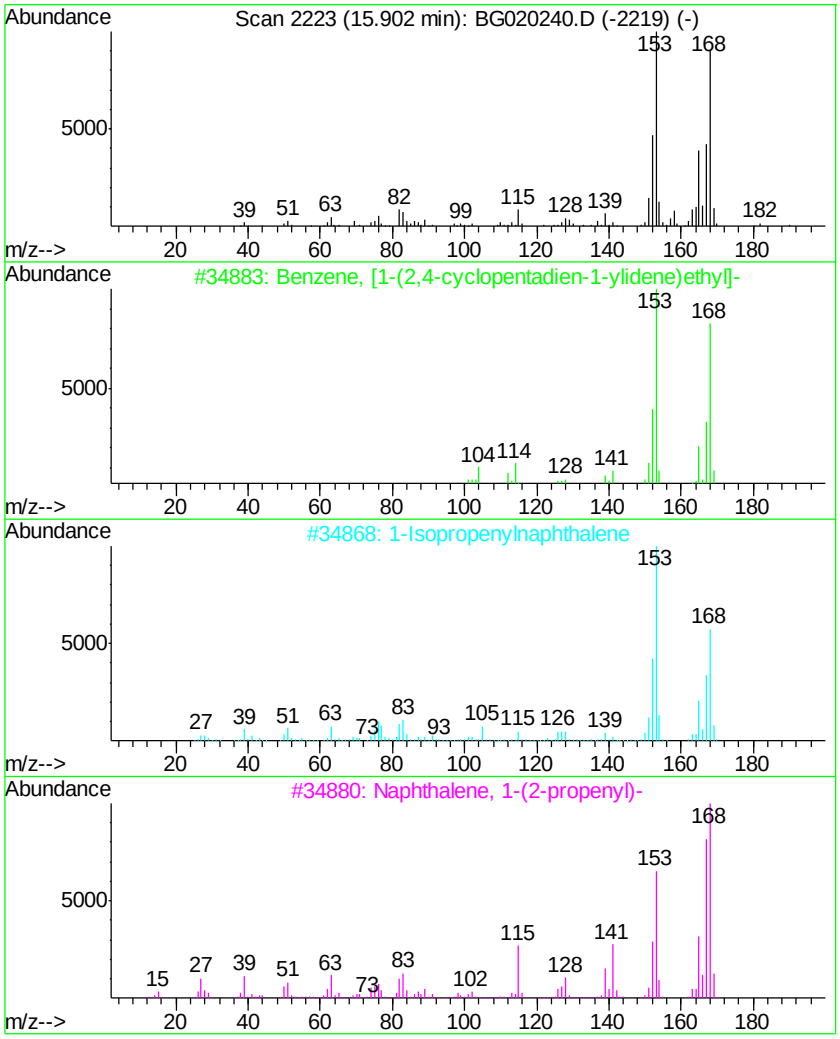
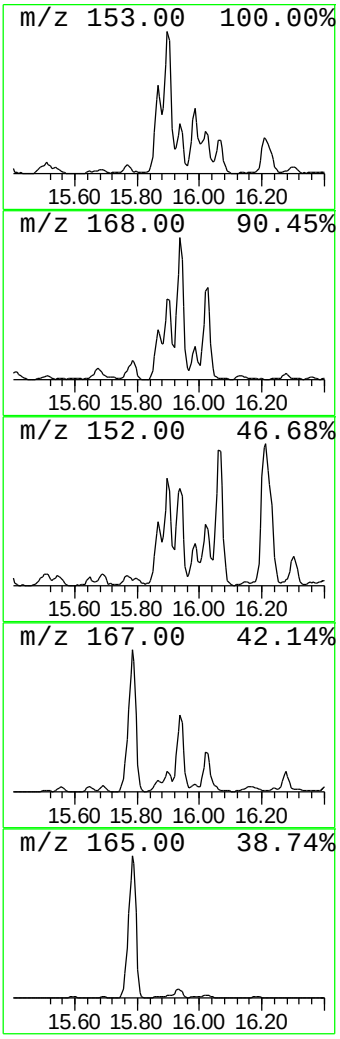
Peak Number 14 Benzene, [1-(2,4-cyclopenta... Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.90	20.26 ng/ul	365758	Acenaphthene-d10	14.73

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, [1-(2,4-cyclopentadien-...	168	C13H12	002320-32-3	83
2	1-Isopropenylnaphthalene	168	C13H12	001855-47-6	80
3	Naphthalene, 1-(2-propenyl)-	168	C13H12	002489-86-3	64
4	Naphthalene, 2-(1-methylethenyl)-	168	C13H12	003710-23-4	53
5	1,1'-Biphenyl, 2-methyl-	168	C13H12	000643-58-3	50





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Sample : G4767-20
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Instrument : BNA_G
ClientSampleId : D9N42

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Quant Title : SVOA CALIBRATION

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

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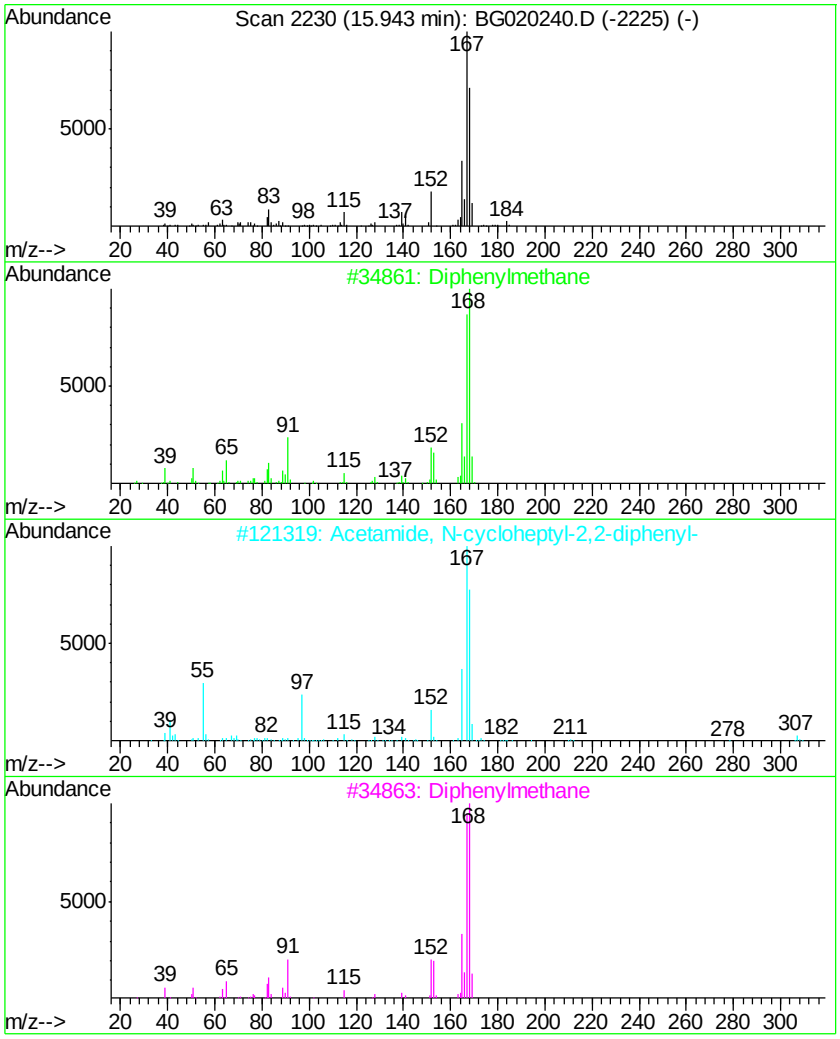
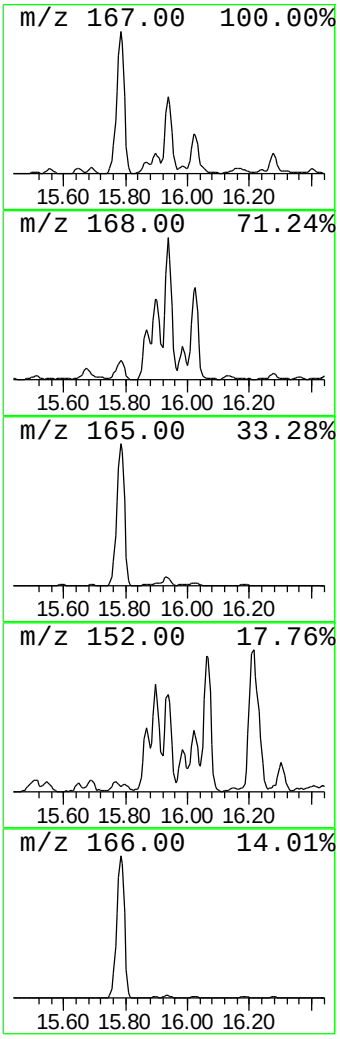
Peak Number 15 Diphenylmethane Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.94	35.10 ng/ul	633655	Acenaphthene-d10	14.73

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Diphenylmethane	168	C13H12	000101-81-5	74
2	Acetamide, N-cycloheptyl-2,2-dip...	307	C21H25NO	351062-01-6	72
3	Diphenylmethane	168	C13H12	000101-81-5	68
4	Diphenylmethane	168	C13H12	000101-81-5	68
5	1,1'-Biphenyl, 2-methyl-	168	C13H12	000643-58-3	64





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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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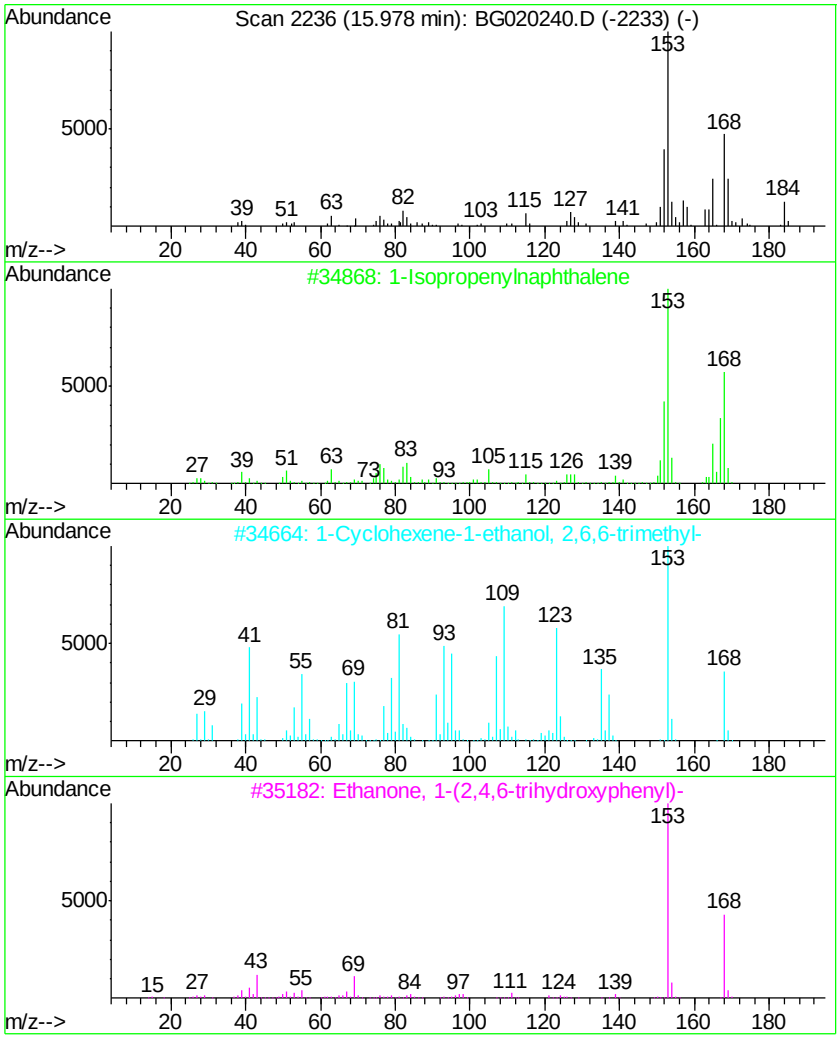
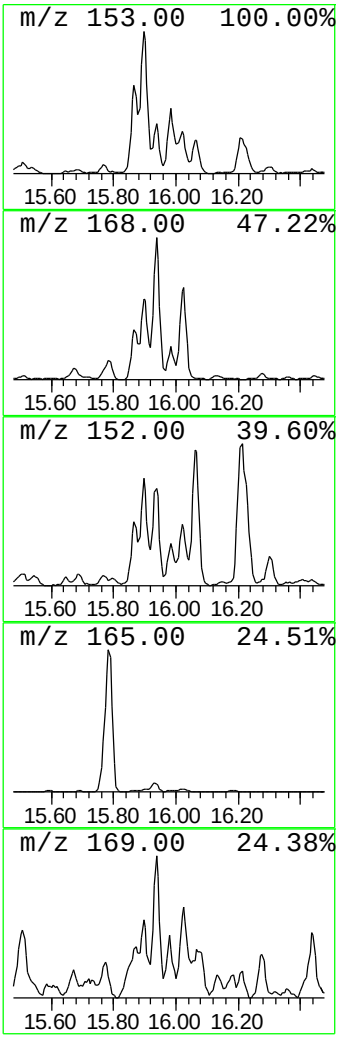
Peak Number 16 1-Isopropenylnaphthalene Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.98	11.66 ng/ul	210437	Acenaphthene-d10	14.73

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Isopropenylnaphthalene	168	C13H12	001855-47-6	64
2	1-Cyclohexene-1-ethanol, 2,6,6-t...	168	C11H20O	000472-65-1	52
3	Ethanone, 1-(2,4,6-trihydroxyphe...	168	C8H8O4	000480-66-0	49
4	5-Acetyl-2-methyl-3-thiophenecar...	168	C8H8O2S	090345-55-4	47
5	Ethanone, 1-(2,4,6-trihydroxyphe...	168	C8H8O4	000480-66-0	47





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Quant Title : SVOA CALIBRATION

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

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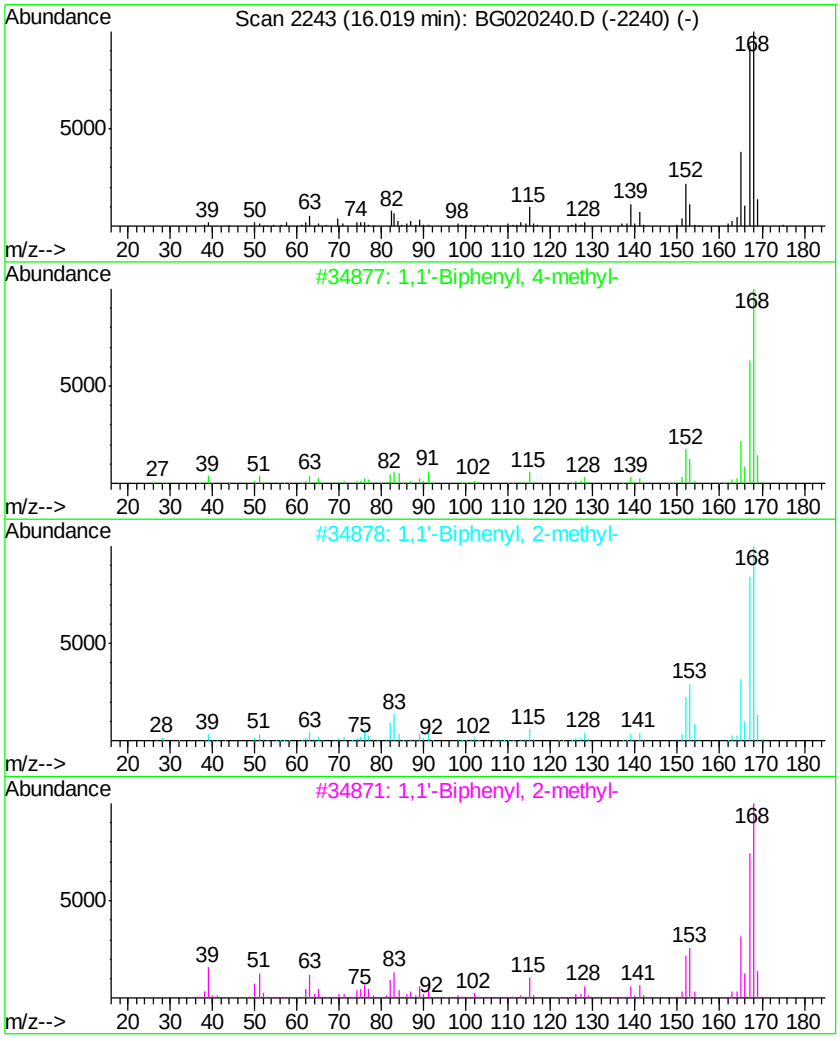
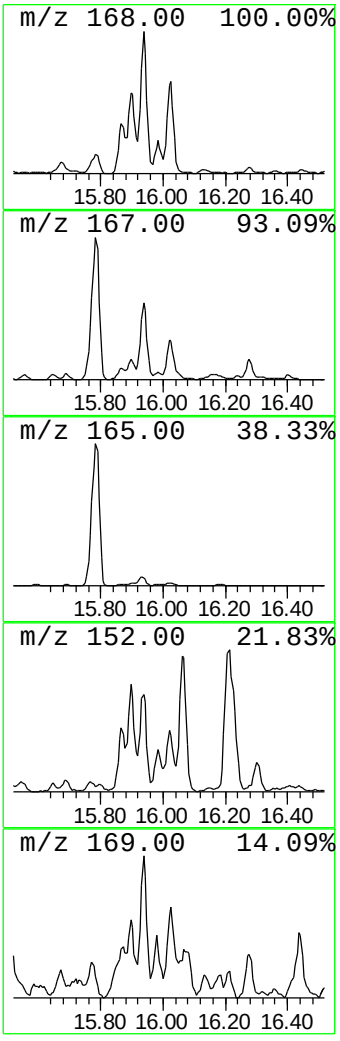
Peak Number 17 1,1'-Biphenyl, 4-methyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.02	18.69 ng/ul	337335	Acenaphthene-d10	14.73

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,1'-Biphenyl, 4-methyl-	168	C13H12	000644-08-6	81
2	1,1'-Biphenyl, 2-methyl-	168	C13H12	000643-58-3	68
3	1,1'-Biphenyl, 2-methyl-	168	C13H12	000643-58-3	64
4	Diphenylmethane	168	C13H12	000101-81-5	64
5	Diphenylmethane	168	C13H12	000101-81-5	59





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Sample : G4767-20
Misc :
ALS Vial : 26 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N42

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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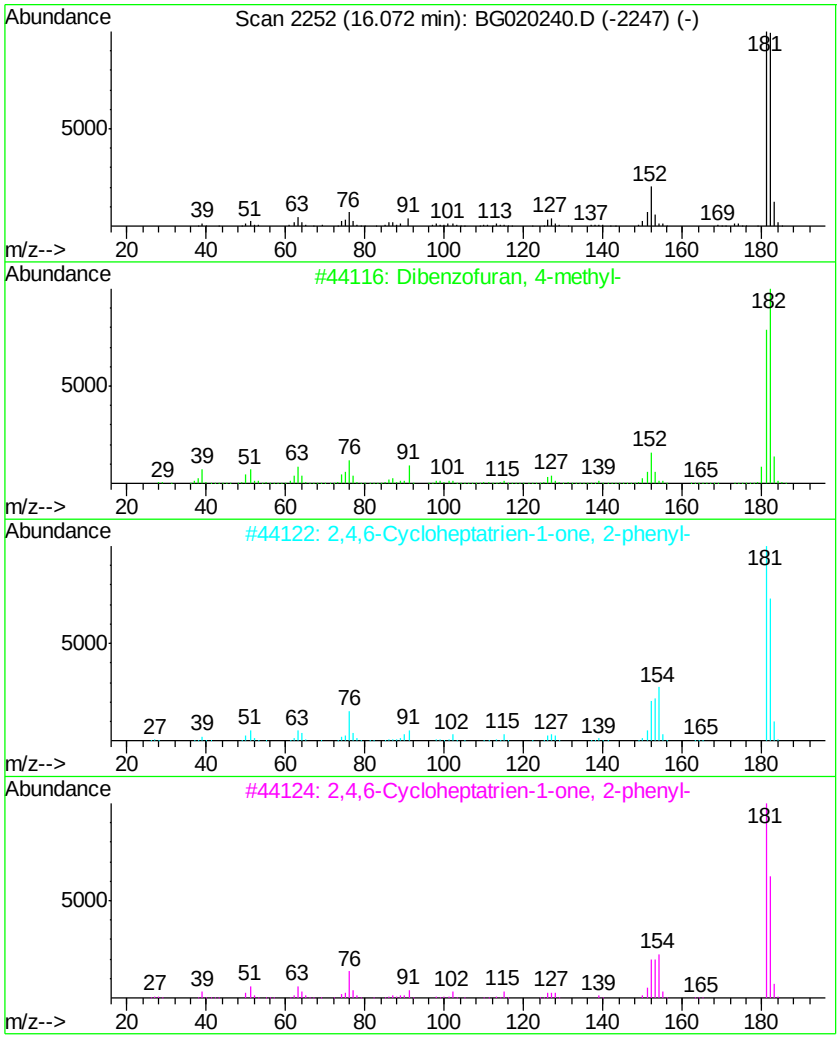
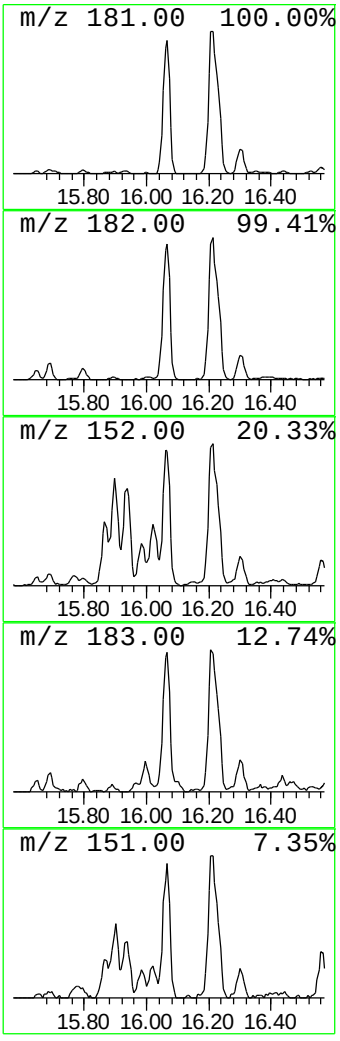
Peak Number 18 Dibenzofuran, 4-methyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.07	35.96 ng/ul	649167	Acenaphthene-d10	14.73

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	90
3	2,4,6-Cycloheptatrien-1-one, 2-p...	182	C13H10O	014562-09-5	90
4	9H-Fluoren-9-ol	182	C13H10O	001689-64-1	78
5	Pyrido[2,3-d]indole, 6-methyl-	182	C12H10N2	108349-67-3	72





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Acq On : 17 Dec 2015 3:26
Operator : UM/SJ
Sample : G4767-20
Misc :
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Instrument : BNA_G
ClientSampleId : D9N42

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Quant Title : SVOA CALIBRATION

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

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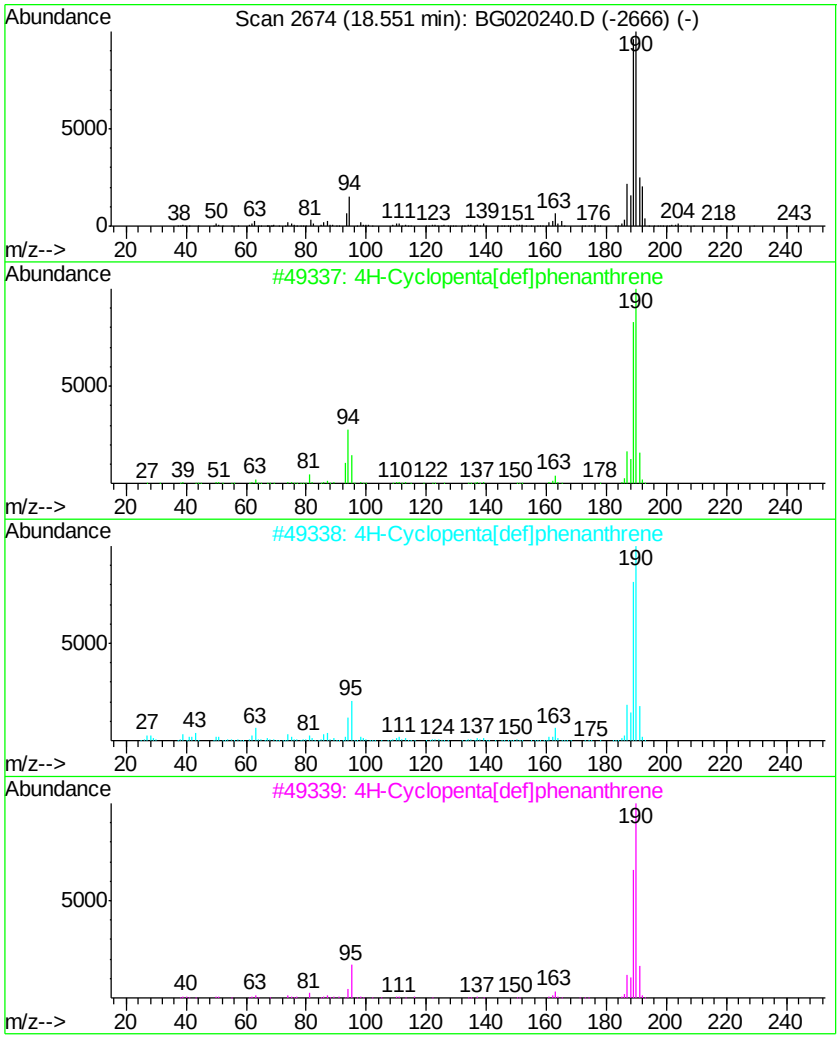
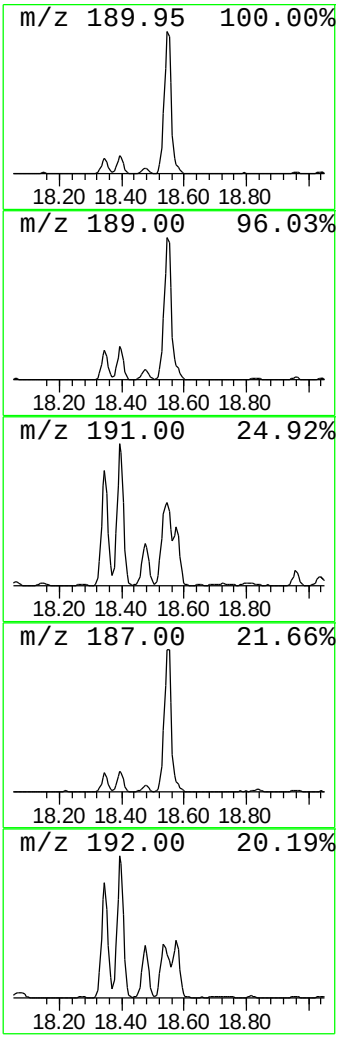
Peak Number 19 4H-Cyclopenta[def]phenanthrene Concentration Rank 22

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.55	3.54 ng/ul	2192380	Phenanthrene-d10	17.48

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	74
4	6H-Cyclobuta[jk]phenanthrene	190	C15H10	083469-43-6	50
5	2,3,5,6-Tetramethylterephthalald...	190	C12H14O2	007072-01-7	50





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Instrument : BNA_G
ClientSampleId : D9N42

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Quant Title : SVOA CALIBRATION

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

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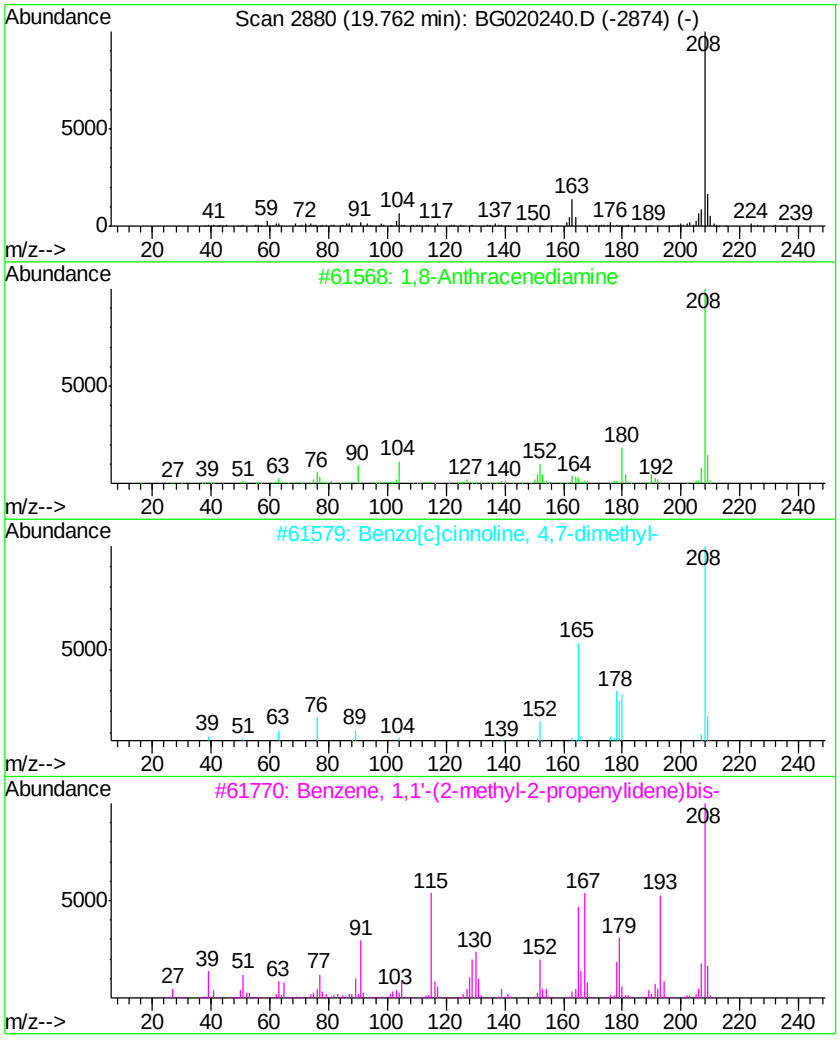
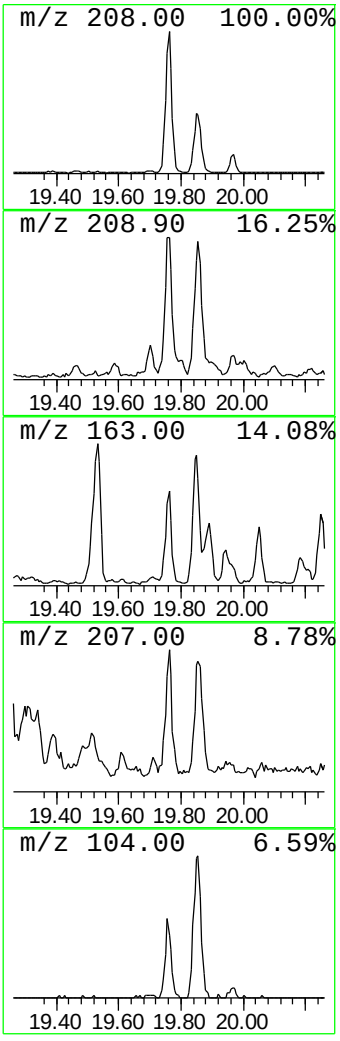
Peak Number 20 1,8-Anthracenediamine Concentration Rank 23

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.76	3.49 ng/ul	361594	Chrysene-d12	21.74

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	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	2,4,7-Pteridinetriol, 6-ethyl-	208	C8H8N4O3	031053-47-1	50





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Quant Title : SVOA CALIBRATION

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

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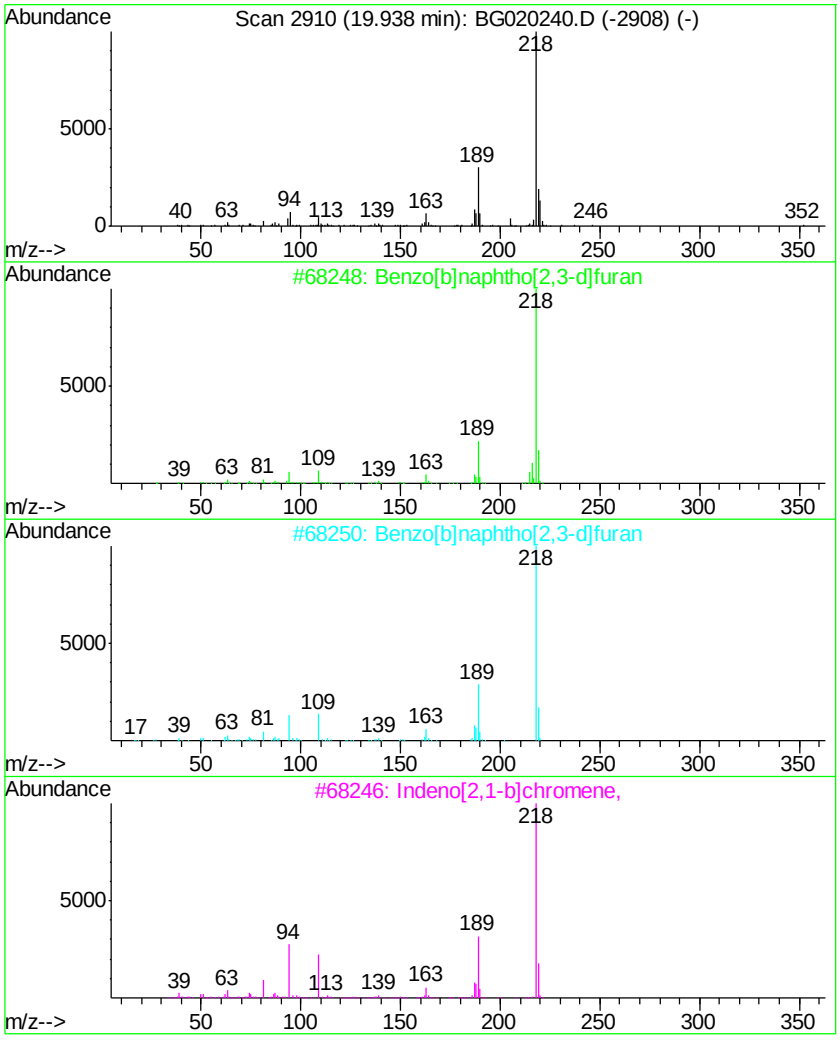
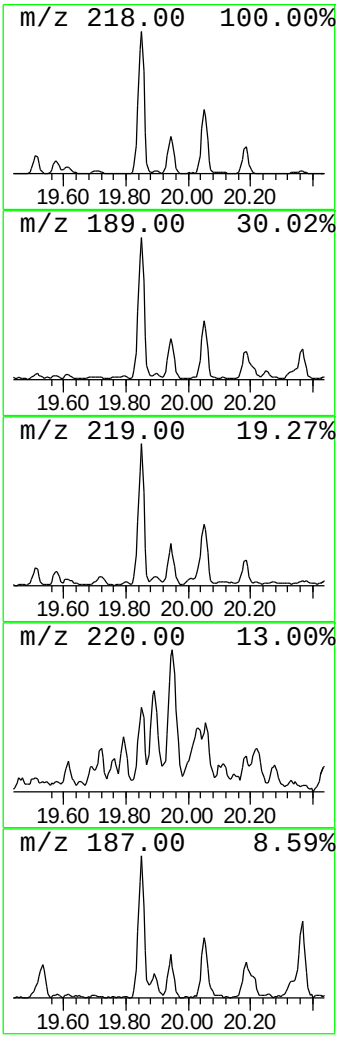
Peak Number 21 Benzo[b]naphtho[2,3-d]furan Concentration Rank 31

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.94	2.32 ng/ul	239978	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	Indeno[2,1-b]chromene,	218	C16H10O	000243-24-3	83
4	Benzo[b]naphtho[1,2-d]furan	218	C16H10O	000239-30-5	83
5	Benzo[b]naphtho[2,3-d]furan	218	C16H10O	000243-42-5	81





Library Search Compound Report

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Quant Title : SVOA CALIBRATION

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

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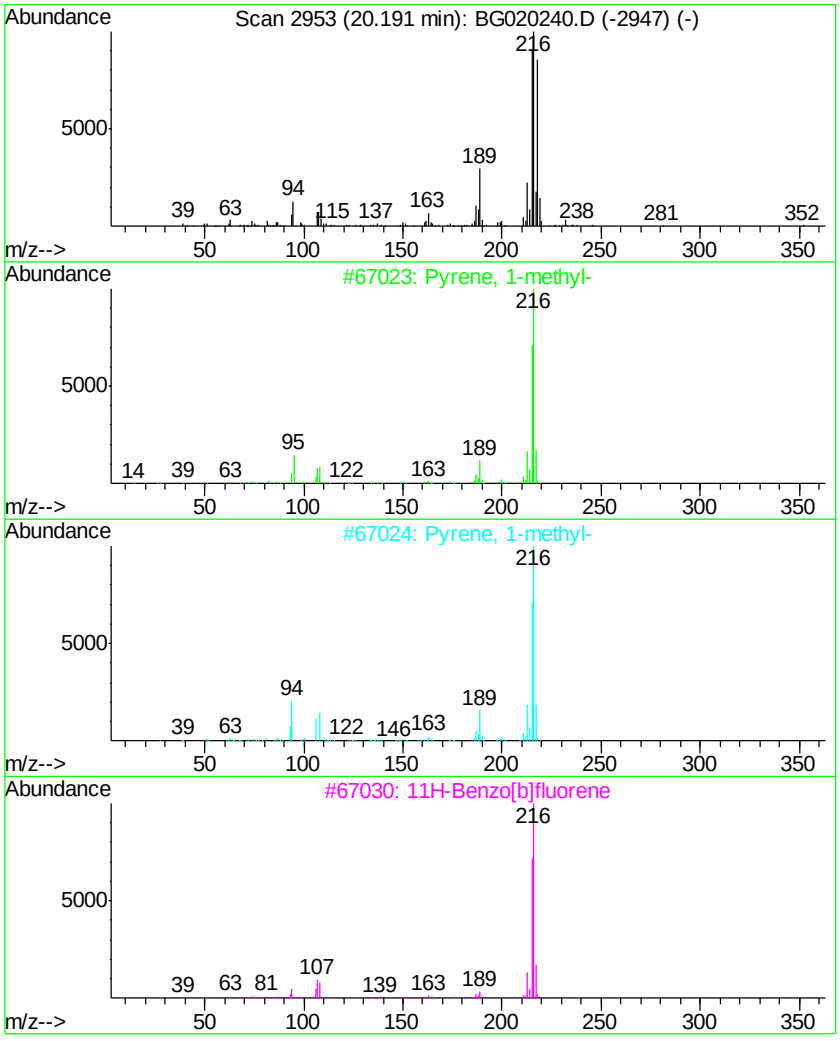
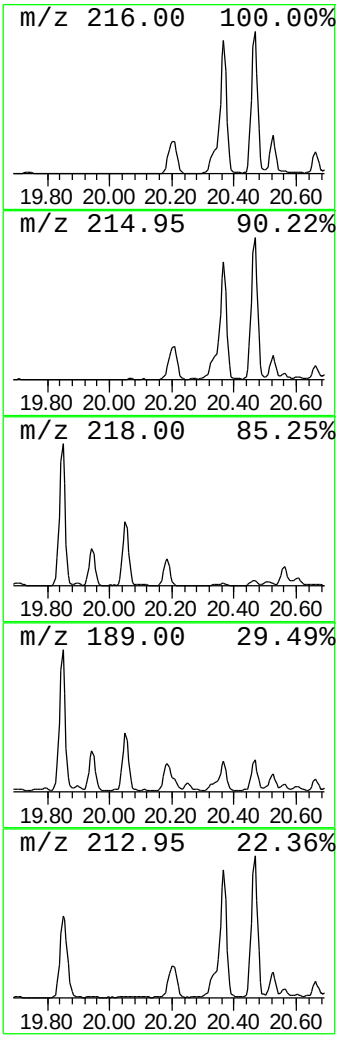
Peak Number 23 Pyrene, 1-methyl- Concentration Rank 32

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.19	2.24 ng/ul	232406	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	83
4	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	64
5	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	55





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Quant Title : SVOA CALIBRATION

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

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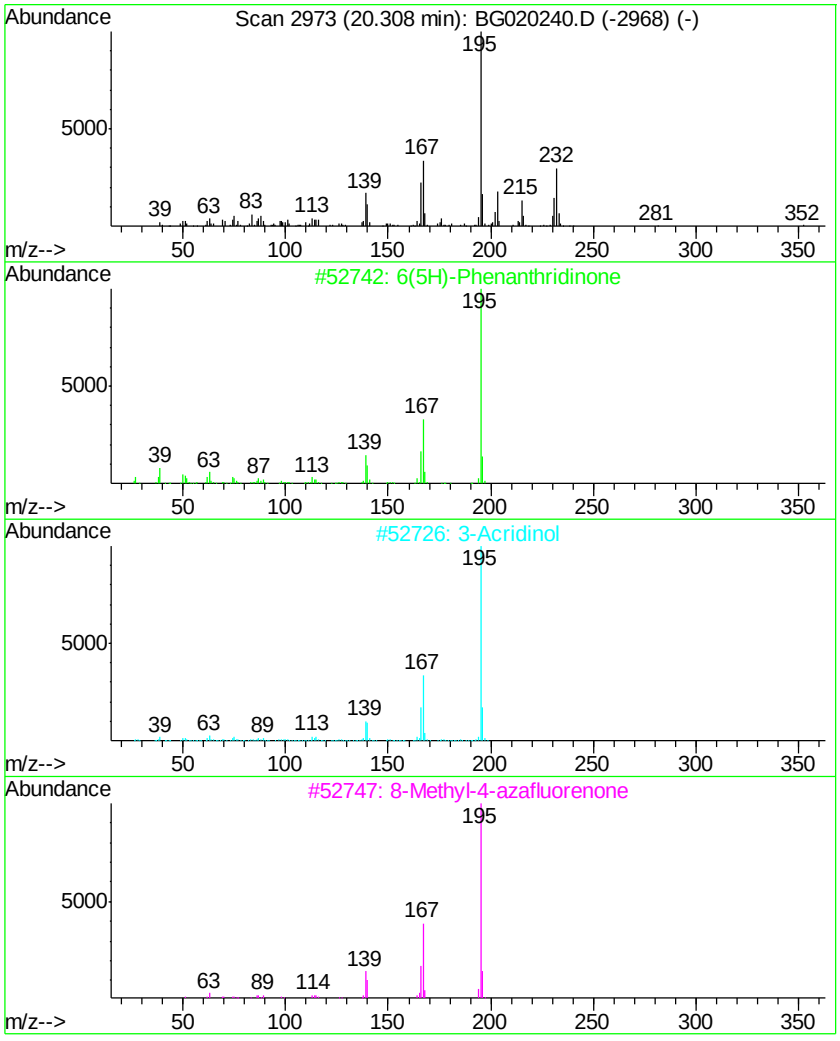
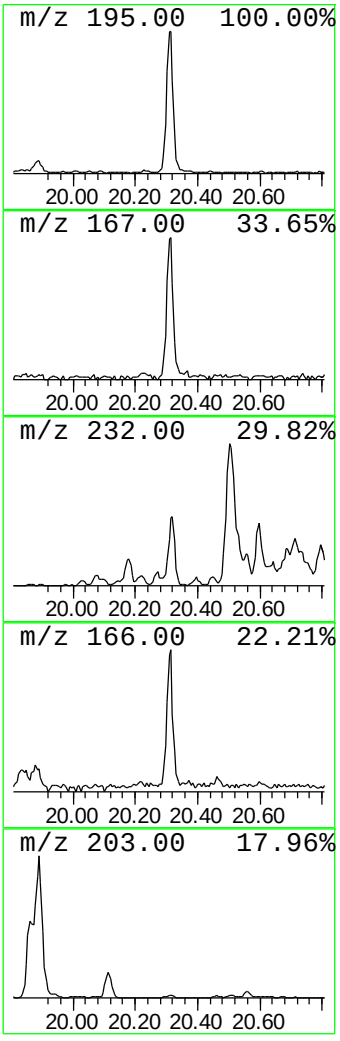
Peak Number 24 6(5H)-Phenanthridinone Concentration Rank 30

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.31	2.37 ng/ul	246033	Chrysene-d12	21.74

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	6(5H)-Phenanthridinone	195	C13H9NO	001015-89-0	95
2	3-Acridinol	195	C13H9NO	007132-70-9	86
3	8-Methyl-4-azafluorenone	195	C13H9NO	064292-03-1	84
4	4-Amino-9-fluorenone	195	C13H9NO	004269-15-2	50
5	9(10H)-Acridinone	195	C13H9NO	000578-95-0	46





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Sample : G4767-20
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Quant Title : SVOA CALIBRATION

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

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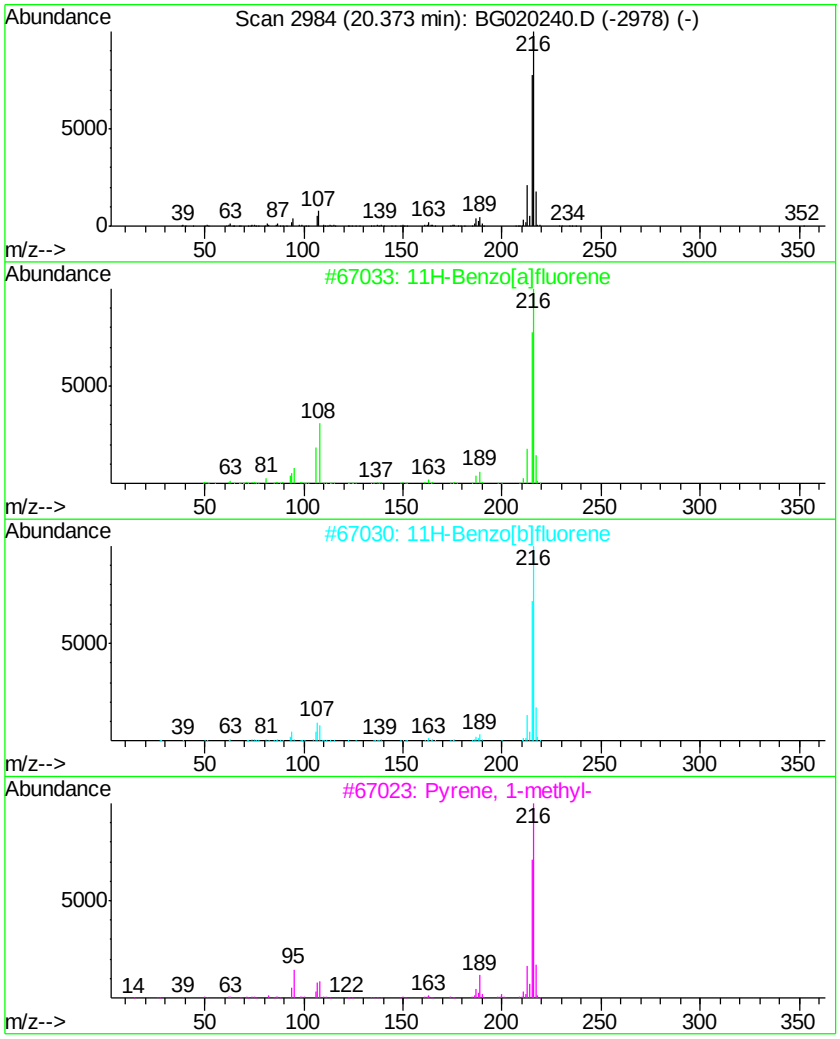
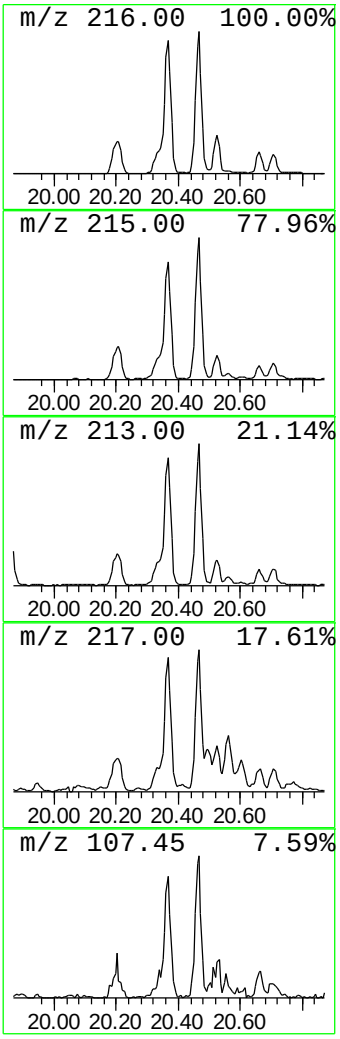
Peak Number 25 11H-Benzo[a]fluorene Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.37	7.55 ng/ul	782805	Chrysene-d12	21.74

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	94
2	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	93
3	Pyrene, 1-methyl-	216	C17H12	002381-21-7	93
4	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	93
5	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	87





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Misc :
ALS Vial : 26 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N42

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Quant Title : SVOA CALIBRATION

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

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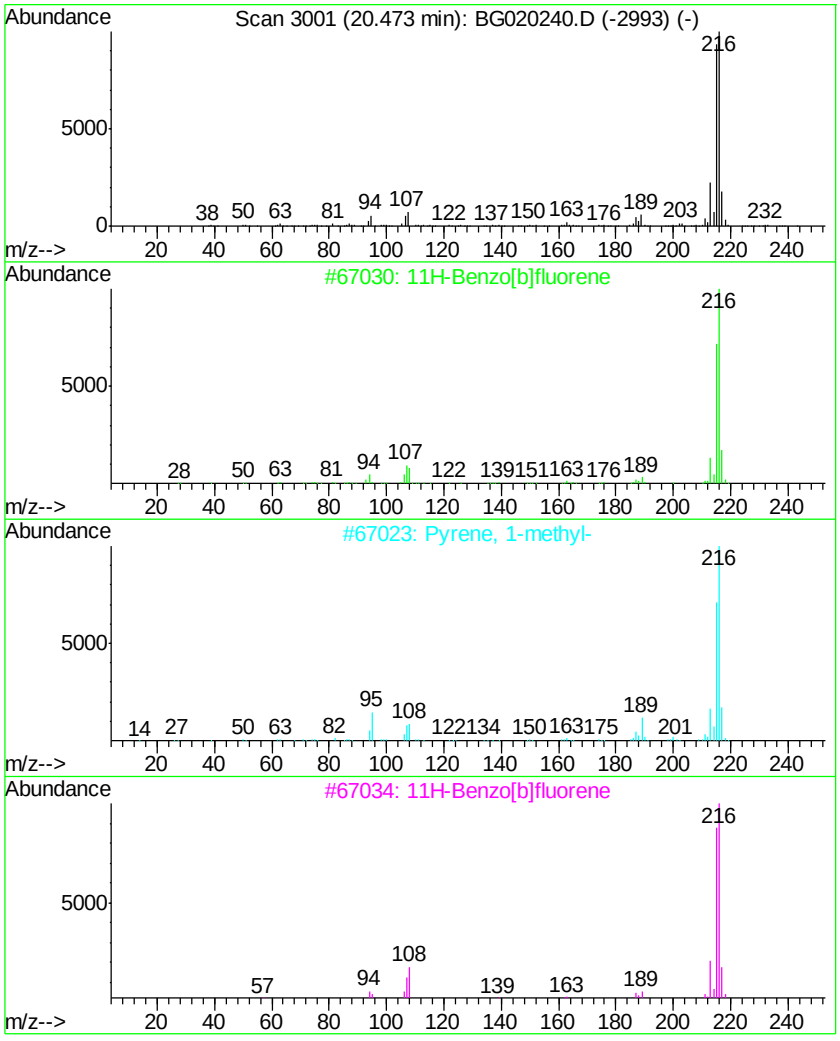
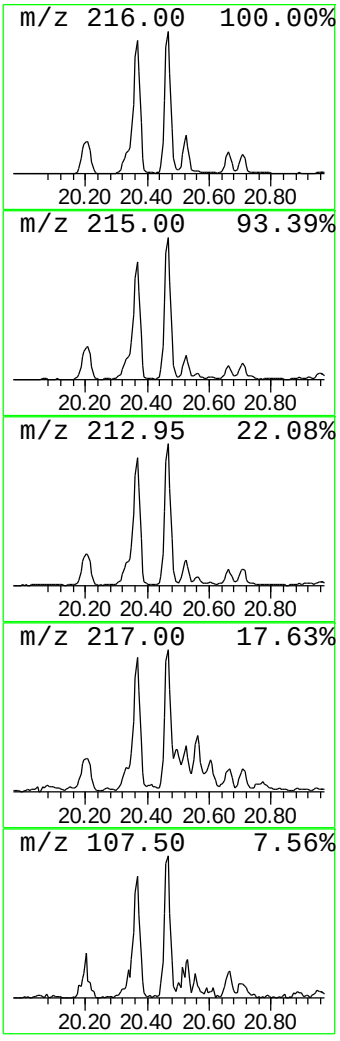
Peak Number 26 11H-Benzo[b]fluorene Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.47	8.69 ng/ul	900829	Chrysene-d12	21.74

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	94
2	Pyrene, 1-methyl-	216	C17H12	002381-21-7	94
3	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	93
4	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	91
5	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	91





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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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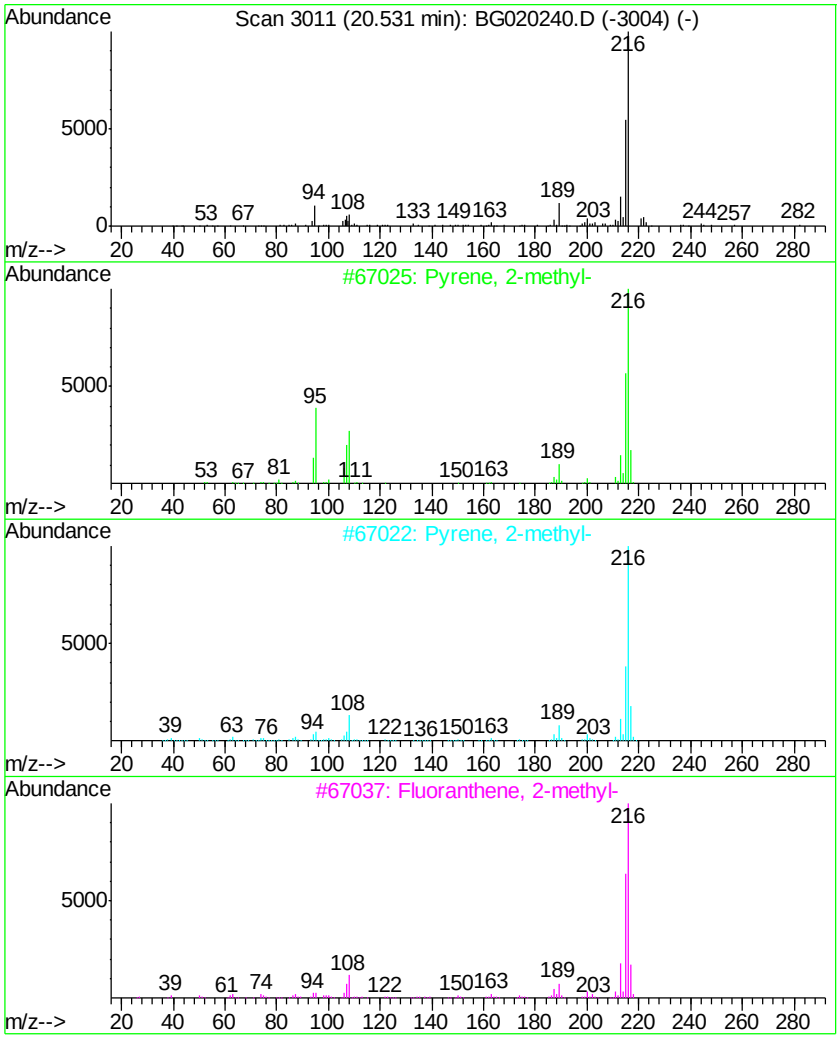
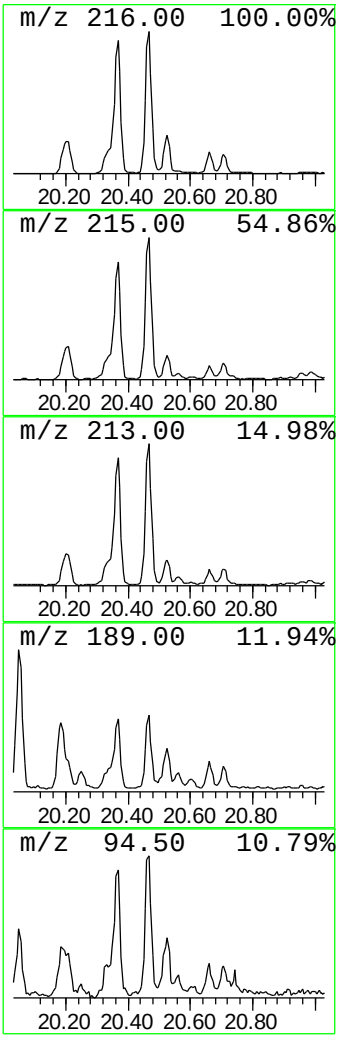
Peak Number 27 Pyrene, 2-methyl- Concentration Rank 24

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.53	3.40 ng/ul	352289	Chrysene-d12	21.74

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene, 2-methyl-	216	C17H12	003442-78-2	94
2	Pyrene, 2-methyl-	216	C17H12	003442-78-2	93
3	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	91
4	Pyrene, 1-methyl-	216	C17H12	002381-21-7	90
5	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	90





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Quant Title : SVOA CALIBRATION

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

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.31	2.91 ng/ul	301963	Chrysene-d12	21.74

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[2,1-d]thiophene	234	C16H10S	000239-35-0	93
3	Benzo[b]naphtho[2,1-d]thiophene	234	C16H10S	000239-35-0	90
4	Benzo[b]naphtho[2,3-d]thiophene	234	C16H10S	000243-46-9	87
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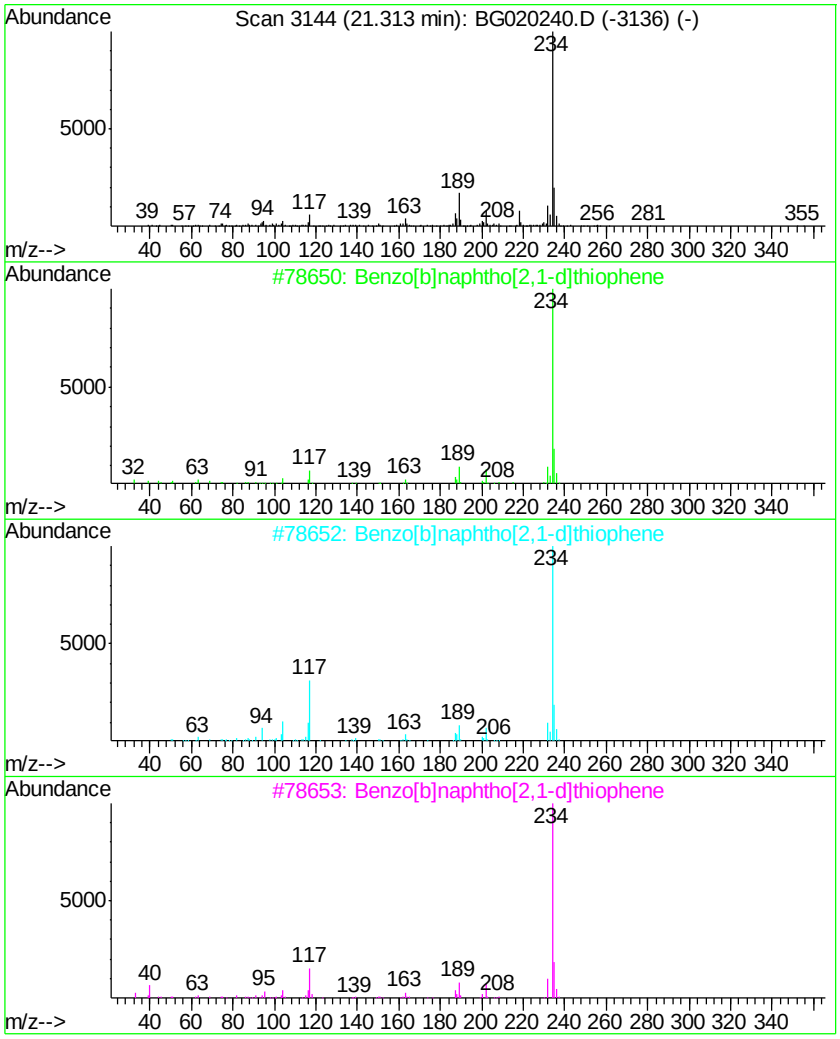

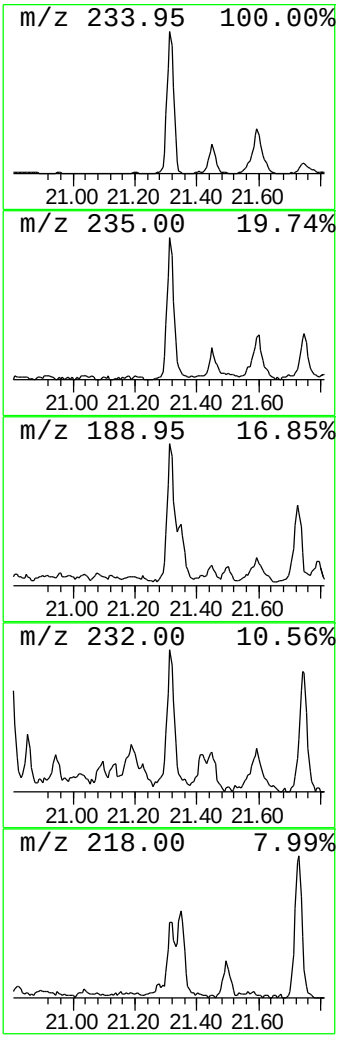

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Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
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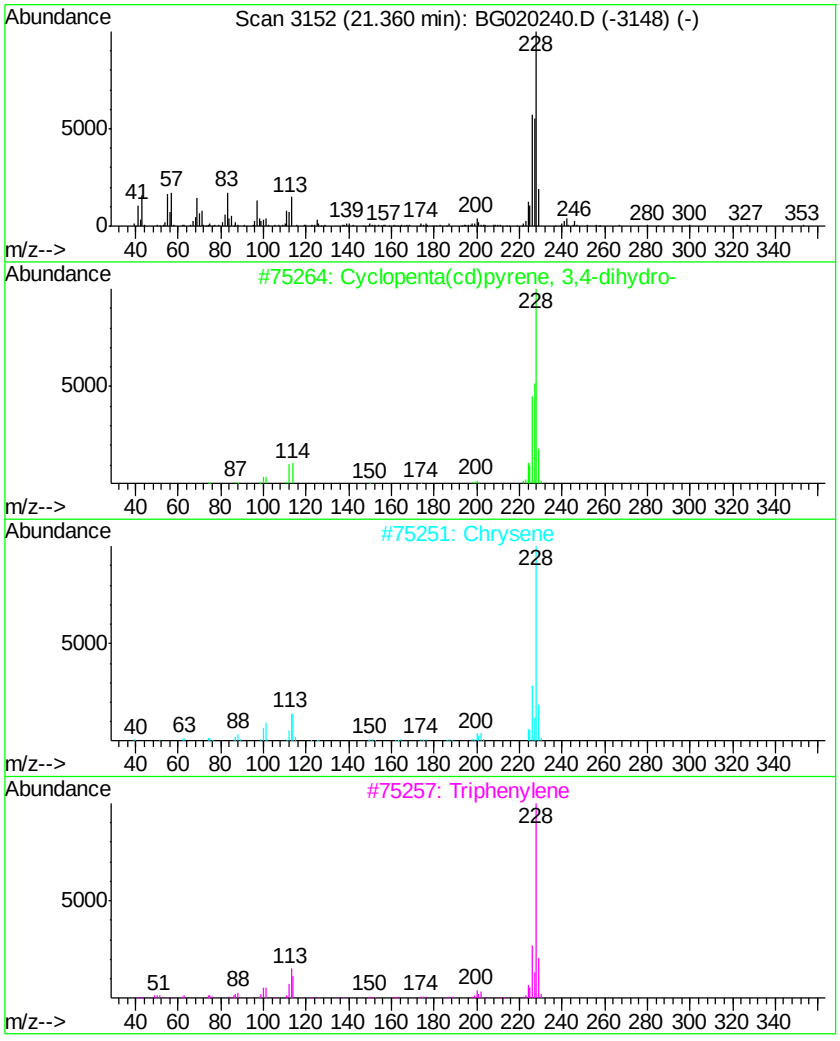
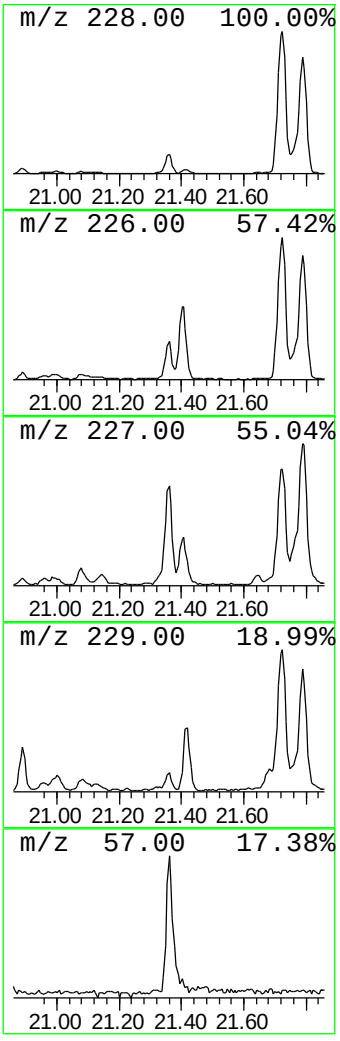
Peak Number 29 Cyclopenta(cd)pyrene, 3,4-d... Concentration Rank 25

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.36	3.40 ng/ul	351865	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	64
2	Chrysene	228	C18H12	000218-01-9	55
3	Triphenylene	228	C18H12	000217-59-4	50
4	Triphenylene	228	C18H12	000217-59-4	49
5	Benzo[c]phenanthrene	228	C18H12	000195-19-7	49





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

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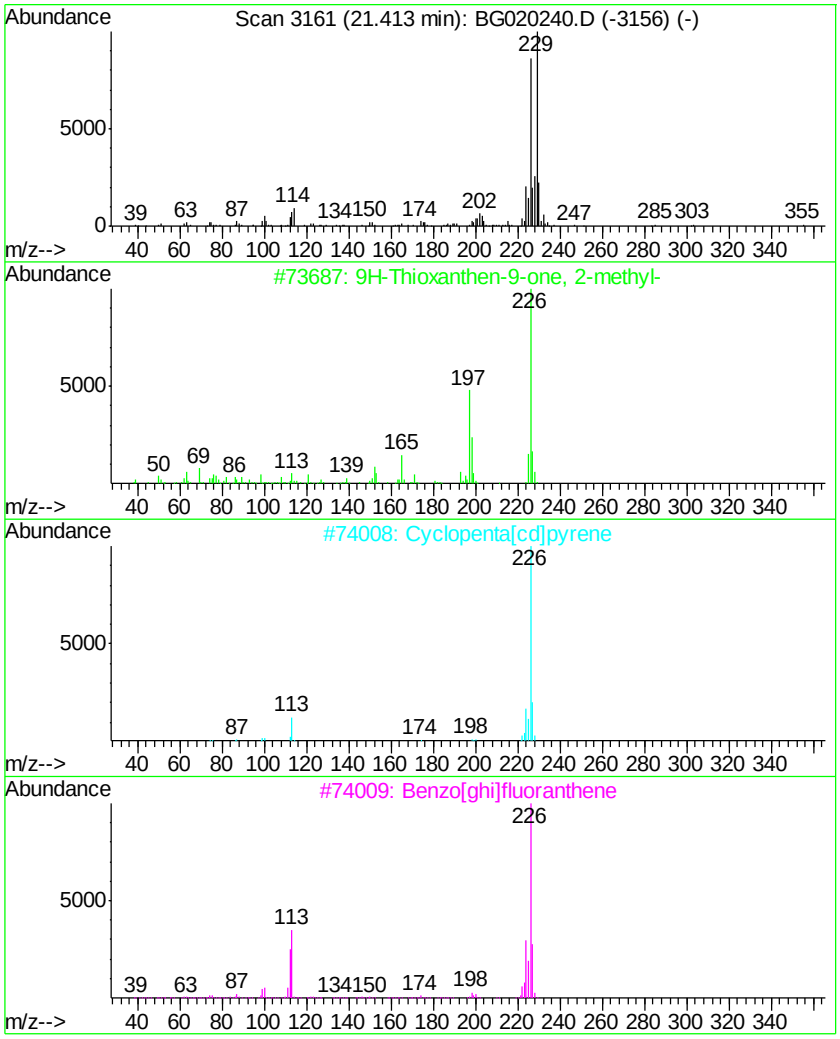
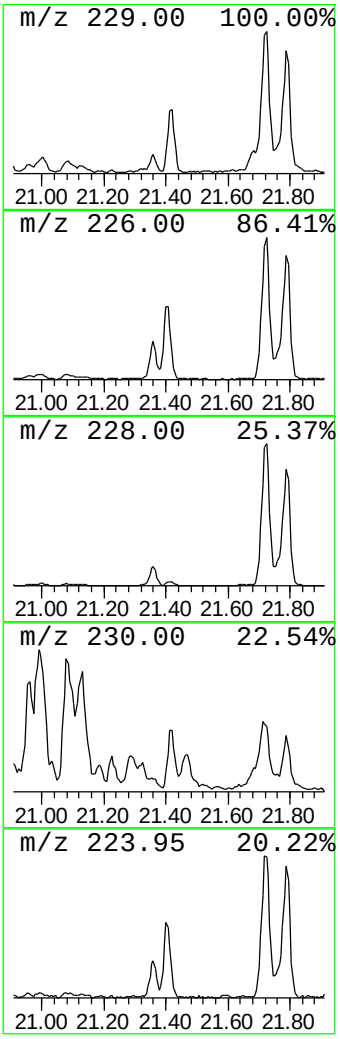
Peak Number 30 unknown-02 Concentration Rank 29

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.41	2.39 ng/ul	247430	Chrysene-d12	21.74

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9H-Thioxanthen-9-one, 2-methyl-	226	C14H10OS	015774-82-0	47
2	Cyclopenta[cd]pyrene	226	C18H10	027208-37-3	46
3	Benzo[ghi]fluoranthene	226	C18H10	000203-12-3	43
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	37





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ClientSampleId : D9N42

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

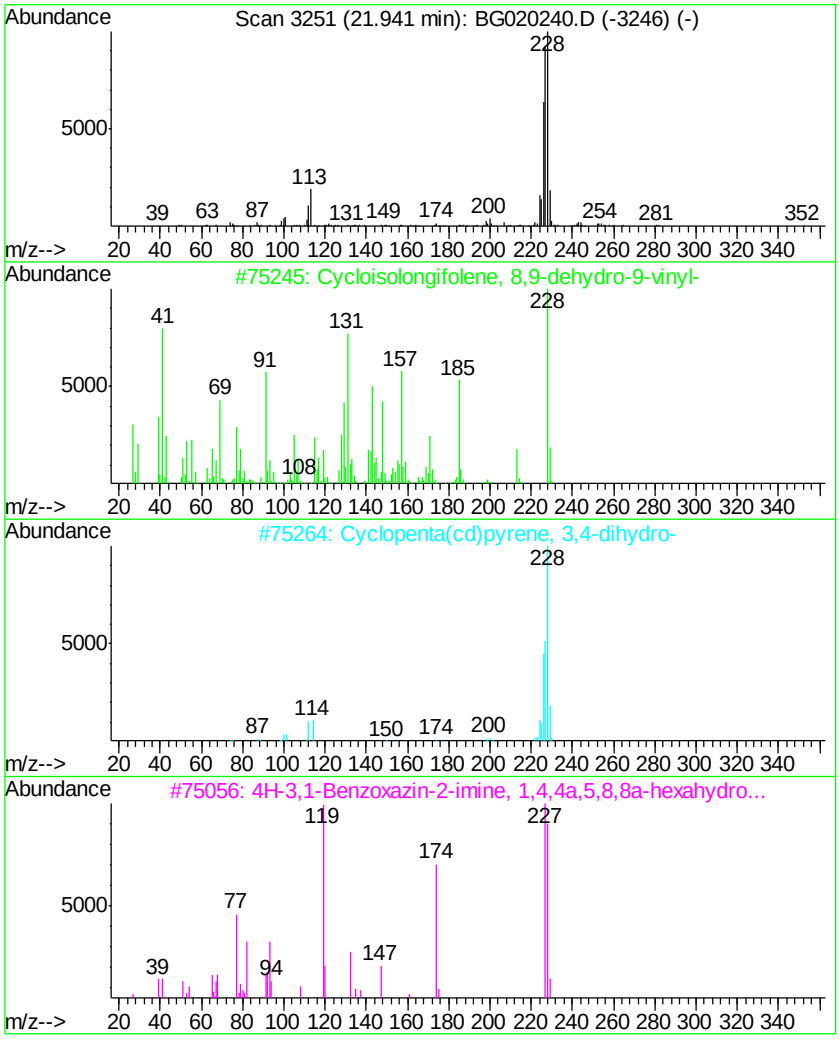
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

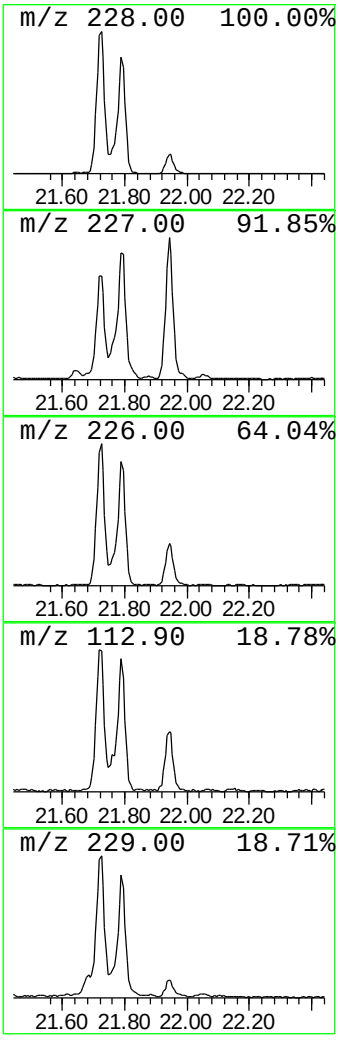
****

Peak Number 31 Cycloisolongifolene, 8,9-de... Concentration Rank 28

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.94	2.40 ng/ul	248652	Chrysene-d12	21.74

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cycloisolongifolene, 8,9-dehydro...	228	C17H24	1000151-80-0	92
2	Cyclopenta(cd)pyrene, 3,4-dihydro-	228	C18H12	025732-74-5	87
3	4H-3,1-Benzoxazin-2-imine, 1,4,4...	228	C14H16N2O	1000139-29-1	52
4	1(2H)-Phenanthrenone, 3,4,9,10-t...	228	C15H16O2	014427-61-3	50
5	Triphenylene	228	C18H12	000217-59-4	50





Tentatively Identified Compound (LSC) summary

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG121715\
Data File : BG020240.D
Acq On : 17 Dec 2015 3:26
Operator : UM/SJ
Sample : G4767-20
Misc :
ALS Vial : 26 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N42

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	49.0	ng/ul	359499	1	8.10	146897	20.0
Quinoline	11.74	47.0	ng/ul	556336	2	10.92	236669	20.0
Quinoline, 8-methyl-	13.27	11.9	ng/ul	214764	3	14.73	361075	20.0
Naphthalene, 1-et...	13.76	23.1	ng/ul	416713	3	14.73	361075	20.0
Naphthalene, 1,3-...	13.90	41.2	ng/ul	743484	3	14.73	361075	20.0
Naphthalene, 2,3-...	14.05	38.4	ng/ul	693230	3	14.73	361075	20.0
Naphthalene, 1,6-...	14.29	13.8	ng/ul	249150	3	14.73	361075	20.0
2-Naphthalenecarb...	14.86	17.4	ng/ul	315009	3	14.73	361075	20.0
o-Hydroxybiphenyl	15.00	6.8	ng/ul	122671	3	14.73	361075	20.0
unknown-01	15.04	12.0	ng/ul	216155	3	14.73	361075	20.0
Naphthalene, 2,3,...	15.20	9.2	ng/ul	165642	3	14.73	361075	20.0
Naphthalene, 1,6,...	15.51	7.3	ng/ul	131626	3	14.73	361075	20.0
Benzene, [1-(2,4-...	15.90	20.3	ng/ul	365758	3	14.73	361075	20.0
Diphenylmethane	15.94	35.1	ng/ul	633655	3	14.73	361075	20.0
1-Isopropenylnaph...	15.98	11.7	ng/ul	210437	3	14.73	361075	20.0
1,1'-Biphenyl, 4-...	16.02	18.7	ng/ul	337335	3	14.73	361075	20.0
Dibenzofuran, 4-m...	16.07	36.0	ng/ul	649167	3	14.73	361075	20.0
4H-Cyclopenta[def...	18.55	3.5	ng/ul	2192380	4	17.48	12375500	20.0
1,8-Anthracenedia...	19.76	3.5	ng/ul	361594	5	21.74	2072680	20.0
Benzo[b]naphtho[2...	19.94	2.3	ng/ul	239978	5	21.74	2072680	20.0
Pyrene, 1-methyl-	20.19	2.2	ng/ul	232406	5	21.74	2072680	20.0
6(5H)-Phenanthrid...	20.31	2.4	ng/ul	246033	5	21.74	2072680	20.0
11H-Benzo[a]fluorene	20.37	7.5	ng/ul	782805	5	21.74	2072680	20.0
11H-Benzo[b]fluorene	20.47	8.7	ng/ul	900829	5	21.74	2072680	20.0
Pyrene, 2-methyl-	20.53	3.4	ng/ul	352289	5	21.74	2072680	20.0
Benzo[b]naphtho[2...	21.31	2.9	ng/ul	301963	5	21.74	2072680	20.0
Cyclopenta(cd)pyr...	21.36	3.4	ng/ul	351865	5	21.74	2072680	20.0
unknown-02	21.41	2.4	ng/ul	247430	5	21.74	2072680	20.0
Cycloisolongifole...	21.94	2.4	ng/ul	248652	5	21.74	2072680	20.0