LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA G\DATA\BG122015\
Data File : BG020357.D
Acq On : 21 Dec 2015 00:35
Operator : UM/SJ
Sample : G4848-03
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N49

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	8.632	979	986	996	rBV	239065	404073	2.17%	0.318%
2	8.802	1009	1015	1024	rVB	84850	144512	0.78%	0.114%
3	10.535	1303	1310	1318	rVB2	117479	208207	1.12%	0.164%
4	10.988	1377	1387	1393	rVV	3465553	8092916	43.40%	6.369%
5	11.088	1399	1404	1412	rVB	158957	276429	1.48%	0.218%
6	12.574	1645	1657	1667	rBV	2349742	4162228	22.32%	3.275%
7	12.786	1681	1693	1700	rVV	1248593	2101763	11.27%	1.654%
8	13.561	1817	1825	1832	rBV	931285	1449737	7.78%	1.141%
9	13.755	1852	1858	1868	rVB	334336	611137	3.28%	0.481%
10	13.908	1871	1884	1890	rBV2	400137	1098811	5.89%	0.865%
11	14.049	1899	1908	1913	rBV	558179	1054092	5.65%	0.830%
12	14.102	1913	1917	1920	rBV	350300	524449	2.81%	0.413%
13	14.284	1941	1948	1951	rVV	241341	380664	2.04%	0.300%
14	14.425	1965	1972	1973	rBV	205590	319762	1.71%	0.252%
15	14.448	1973	1976	1986	rVB	337728	517759	2.78%	0.407%
16	14.701	2013	2019	2023	rBV	418666	694929	3.73%	0.547%
17	14.813	2029	2038	2043	rBV	4102016	7485011	40.14%	5.890%
18	14.865	2043	2047	2052	rVB	230442	343653	1.84%	0.270%
19	14.930	2052	2058	2067	rBV2	147689	326659	1.75%	0.257%
20	15.036	2067	2076	2080	rBV2	196510	338845	1.82%	0.267%
21	15.142	2085	2094	2099	rVV	2753723	5040430	27.03%	3.967%
22	15.195	2099	2103	2112	rVB	142479	228223	1.22%	0.180%
23	15.336	2118	2127	2132	rBV2	112947	218208	1.17%	0.172%
24	15.388	2132	2136	2148	rVB2	127230	207531	1.11%	0.163%
25	15.512	2148	2157	2159	rBV	92482	192595	1.03%	0.152%
26	15.688	2183	2187	2189	rVV3	96423	145863	0.78%	0.115%
27	15.717	2189	2192	2196	rVV	234086	359547	1.93%	0.283%
28	15.794	2196	2205	2211	rVB	3516833	6551005	35.13%	5.155%
29	15.864	2211	2217	2220	rBV2	230573	403220	2.16%	0.317%
30	15.900	2220	2223	2226	rVV2	324099	494664	2.65%	0.389%
31	15.941	2226	2230	2234	rVV3	560170	879151	4.72%	0.692%
32	15.988	2234	2238	2240	rVV2	117464	173130	0.93%	0.136%
33	16.023	2240	2244	2247	rVV	267236	409432	2.20%	0.322%
34	16.064	2247	2251	2260	rVB	654914	1007695	5.40%	0.793%

LSC Area Percent Report

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Data File : BG020357.D
Acq On : 21 Dec 2015 00:35
Operator : UM/SJ
Sample : G4848-03
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N49

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	16.211	2260	2276	2284	rBV	687548	1552872	8.33%	1.222%
36	16.305	2288	2292	2297	rVB	124646	185331	0.99%	0.146%
37	16.563	2331	2336	2342	rVB	370641	538234	2.89%	0.424%
38	16.775	2360	2372	2376	rBV2	510129	1134208	6.08%	0.893%
39	16.822	2376	2380	2385	rBV2	156080	226037	1.21%	0.178%
40	16.922	2391	2397	2402	rVB2	210268	364795	1.96%	0.287%
41	17.039	2413	2417	2421	rVB2	141913	186108	1.00%	0.146%
42	17.128	2428	2432	2438	rVB5	97208	193488	1.04%	0.152%
43	17.198	2438	2444	2454	rVV3	232372	633580	3.40%	0.499%
44	17.292	2454	2460	2470	rVB	1010259	1670409	8.96%	1.315%
45	17.562	2480	2506	2509	rBV	6878594	18645357	100.00%	14.673%
46	17.592	2509	2511	2513	rVV	447277	516674	2.77%	0.407%
47	17.621	2513	2516	2522	rVB	963795	1257360	6.74%	0.989%
48	17.880	2548	2560	2567	rBV	737812	1329264	7.13%	1.046%
49	17.985	2574	2578	2585	rBV2	234738	384566	2.06%	0.303%
50	18.056	2585	2590	2598	rVB5	108927	228889	1.23%	0.180%
51	18.191	2609	2613	2622	rVB	106330	223945	1.20%	0.176%
52	18.350	2634	2640	2644	rVV	898913	1365668	7.32%	1.075%
53	18.403	2644	2649	2654	rVB	1231796	1855662	9.95%	1.460%
54	18.479	2654	2662	2667	rBV	388560	673309	3.61%	0.530%
55	18.555	2667	2675	2684	rVV2	1730027	3563246	19.11%	2.804%
56	18.779	2710	2713	2718	rVV3	97439	173489	0.93%	0.137%
57	18.837	2718	2723	2728	rVV	782855	1146067	6.15%	0.902%
58	18.890	2728	2732	2736	rVV	115519	164263	0.88%	0.129%
59	19.078	2760	2764	2769	rVB3	152339	216096	1.16%	0.170%
60	19.131	2769	2773	2776	rBV	117306	149052	0.80%	0.117%
61	19.172	2776	2780	2784	rVB	114961	155875	0.84%	0.123%
62	19.254	2788	2794	2799	rBV	241135	471272	2.53%	0.371%
63	19.419	2814	2822	2827	rVB6	82990	216769	1.16%	0.171%
64	19.548	2834	2844	2848	rBV	5104386	10864001	58.27%	8.549%
65	19.619	2853	2856	2860	rVB	135790	170152	0.91%	0.134%
66	19.766	2876	2881	2886	rVV	237926	376154	2.02%	0.296%
67	19.907	2891	2905	2910	rBV3	3951231	10336167	55.44%	8.134%
68	19.948	2910	2912	2920	rVB2	278533	395835	2.12%	0.312%
69	20.059	2925	2931	2936	rVB	362516	515473	2.76%	0.406%
70	20.200	2948	2955	2956	rBV2	291597	510515	2.74%	0.402%
71	20.259	2961	2965	2971	rVB	176735	222335	1.19%	0.175%

LSC Area Percent Report

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Data File : BG020357.D
Acq On : 21 Dec 2015 00:35
Operator : UM/SJ
Sample : G4848-03
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N49

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	20.336	2971	2978	2980	rBV2	196419	406218	2.18%	0.320%
73	20.377	2980	2985	2989	rVB	986607	1435508	7.70%	1.130%
74	20.477	2995	3002	3005	rBV	1088867	1671054	8.96%	1.315%
75	20.529	3005	3011	3014	rVV2	300394	557305	2.99%	0.439%
76	20.565	3014	3017	3021	rVB	179086	209224	1.12%	0.165%
77	20.606	3021	3024	3029	rVB2	103337	150401	0.81%	0.118%
78	20.670	3030	3035	3038	rBV	155064	221909	1.19%	0.175%
79	20.712	3038	3042	3046	rVV2	142789	167687	0.90%	0.132%
80	20.894	3068	3073	3077	rBV	165691	232343	1.25%	0.183%
81	21.088	3101	3106	3111	rVV2	115777	233534	1.25%	0.184%
82	21.135	3111	3114	3121	rVV3	82200	159119	0.85%	0.125%
83	21.323	3140	3146	3149	rBV	295405	456912	2.45%	0.360%
84	21.364	3149	3153	3157	rVV	281891	450060	2.41%	0.354%
85	21.417	3157	3162	3167	rVV2	270772	491302	2.63%	0.387%
86	21.605	3185	3194	3200	rBV	91666	232116	1.24%	0.183%
87	21.734	3205	3216	3223	rBV3	1449412	3310723	17.76%	2.605%
88	21.804	3223	3228	3240	rVB	1073279	1900121	10.19%	1.495%
89	21.951	3248	3253	3261	rBV	288677	490184	2.63%	0.386%
90	22.163	3282	3289	3296	rBV2	140396	319989	1.72%	0.252%
91	22.486	3336	3344	3350	rVV	109333	249844	1.34%	0.197%
92	22.815	3395	3400	3407	rVB3	112063	245063	1.31%	0.193%
93	23.984	3589	3599	3606	rBV	332900	1134388	6.08%	0.893%
94	24.237	3635	3642	3652	rVB	68183	168595	0.90%	0.133%
95	24.719	3715	3724	3730	rBV	137676	379669	2.04%	0.299%
96	24.801	3731	3738	3744	rVV	180673	517984	2.78%	0.408%
97	24.871	3744	3750	3764	rVV2	237952	676384	3.63%	0.532%
98	25.018	3765	3775	3783	rVV2	158596	524268	2.81%	0.413%
99	25.101	3783	3789	3804	rVB2	68185	210865	1.13%	0.166%
100	28.749	4397	4410	4426	rBV3	37923	211066	1.13%	0.166%

Sum of corrected areas: 127072682

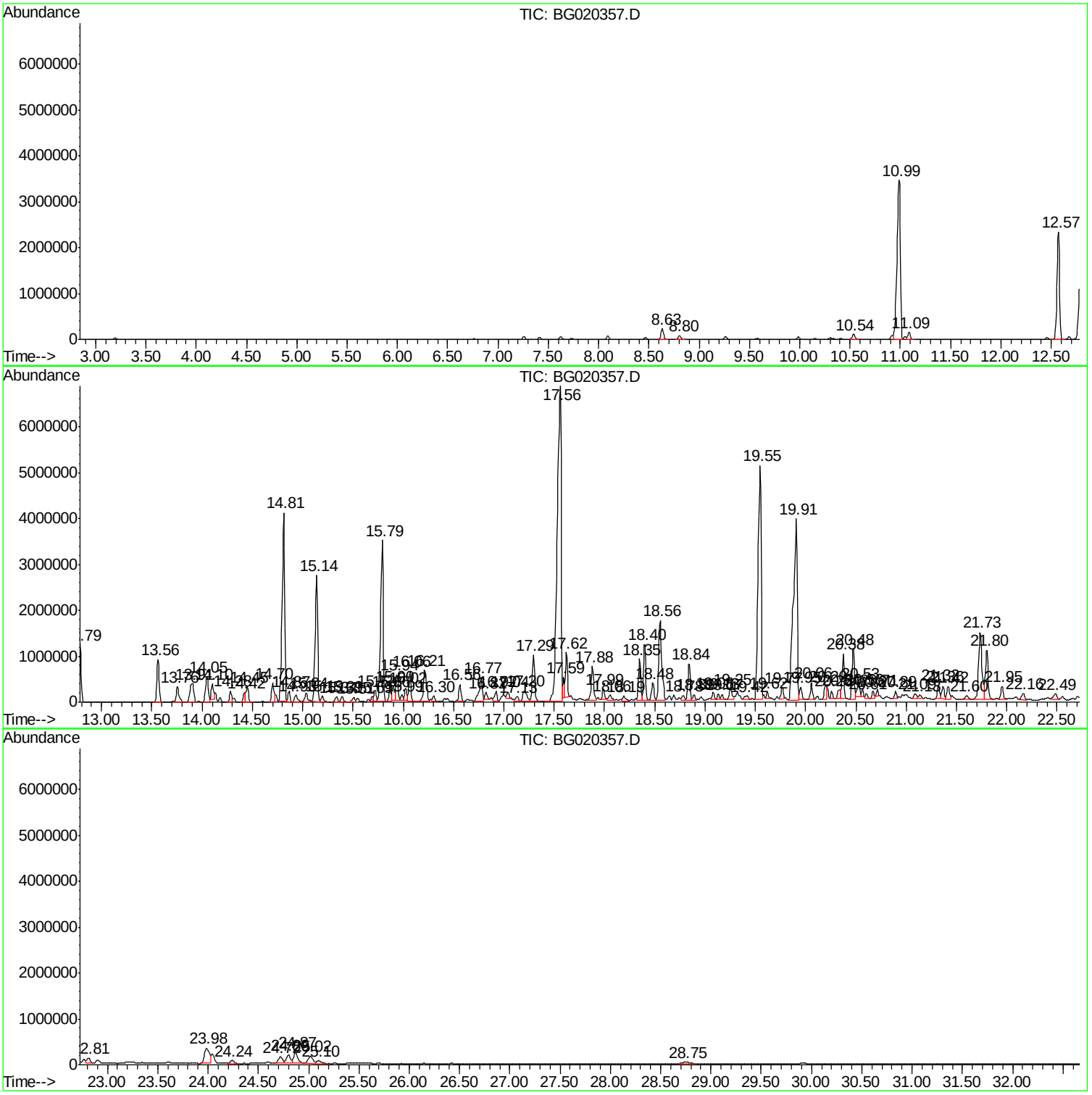
LSC Report - Integrated Chromatogram

Data Path : Z:\HPCHEM1\BNA G\DATA\BG122015\
Data File : BG020357.D
Acq On : 21 Dec 2015 00:35
Operator : UM/SJ
Sample : G4848-03
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N49

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

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



Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA G\DATA\BG122015\
Data File : BG020357.D
Acq On : 21 Dec 2015 00:35
Operator : UM/SJ
Sample : G4848-03
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Instrument : BNA_G
ClientSampleId : D9N49

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

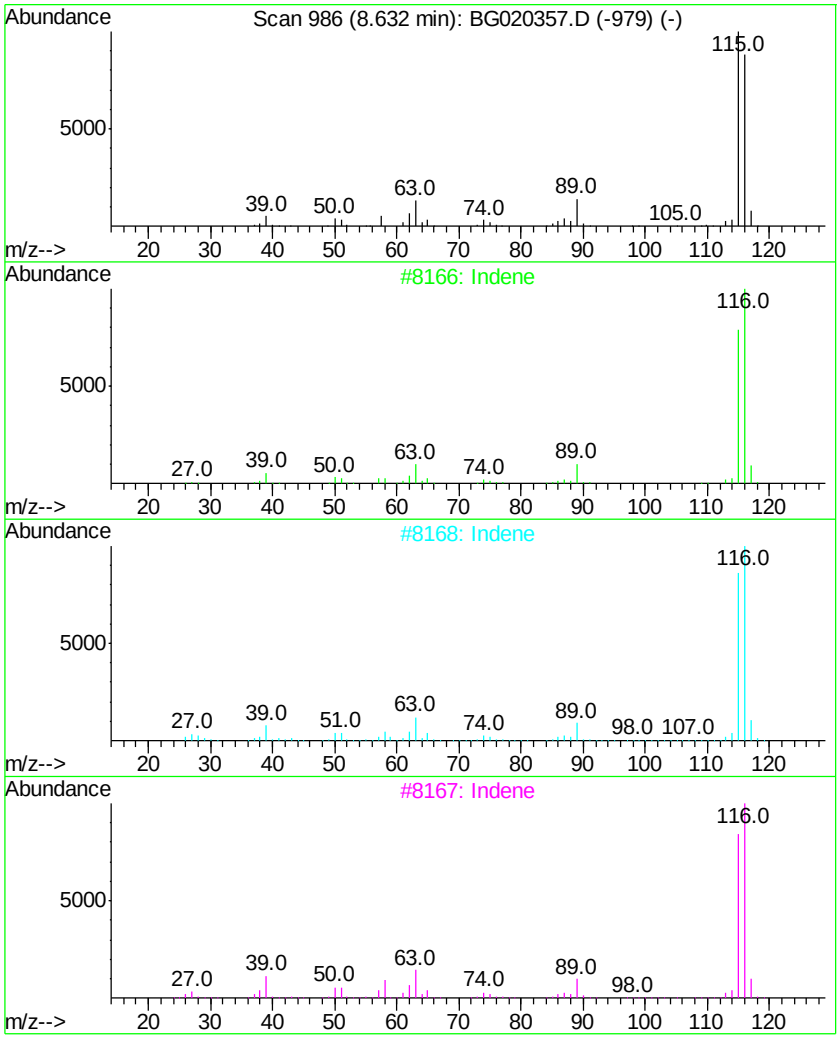
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

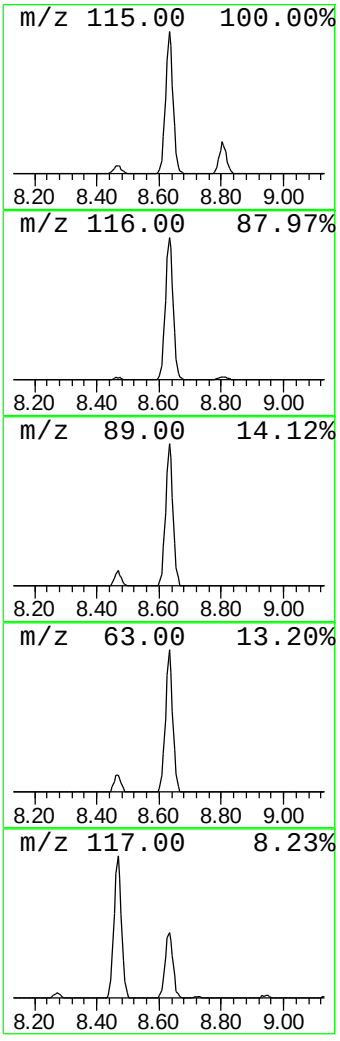
****

Peak Number 1 Indene Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.63	20.00 ng/ul	404073	1,4-Dichlorobenzene-d4	8.09

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





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA G\DATA\BG122015\
Data File : BG020357.D
Acq On : 21 Dec 2015 00:35
Operator : UM/SJ
Sample : G4848-03
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N49

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

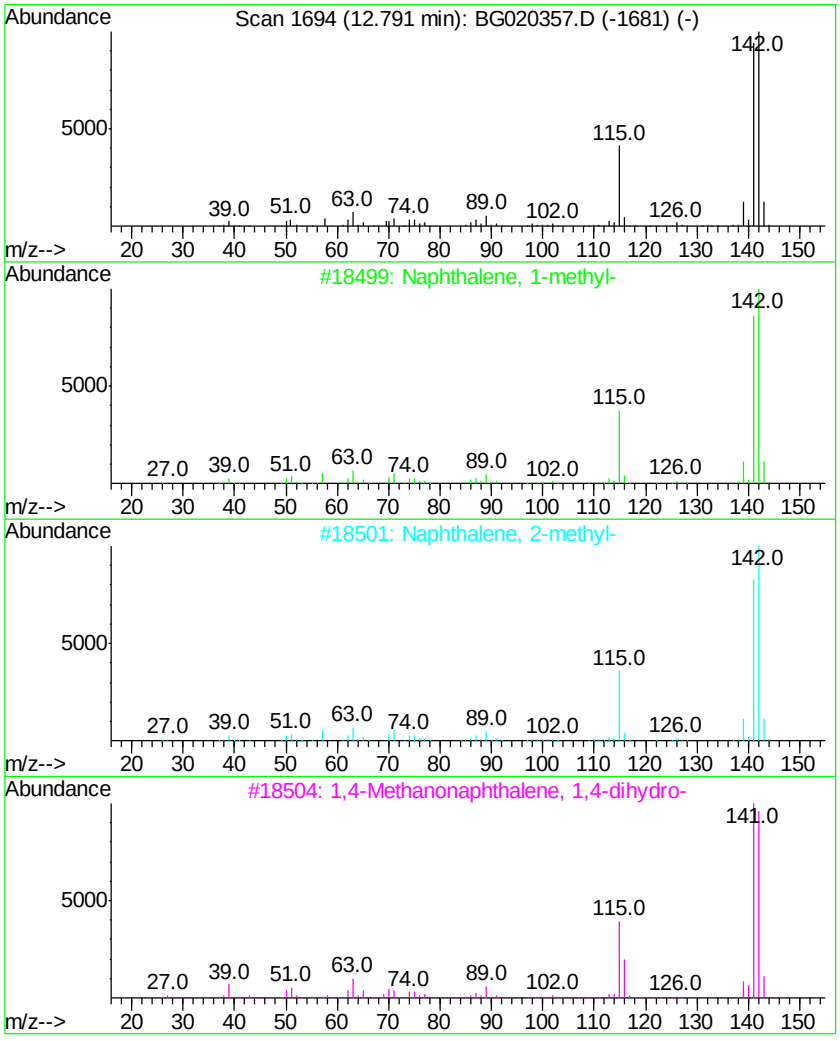
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

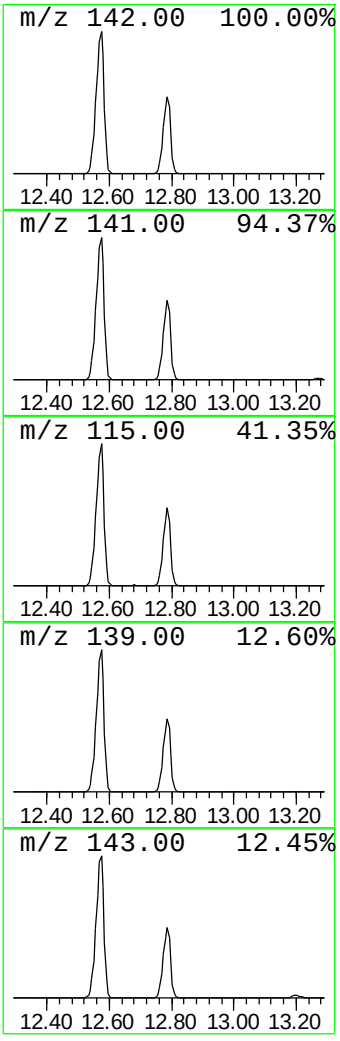
****

Peak Number 2 Naphthalene, 1-methyl- Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.79	5.19 ng/ul	2101760	Naphthalene-d8	10.92

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	1,4-Methanonaphthalene, 1,4-dihy...	142	C11H10	004453-90-1	94
4	Naphthalene, 1-methyl-	142	C11H10	000090-12-0	94
5	Naphthalene, 1-methyl-	142	C11H10	000090-12-0	91





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA G\DATA\BG122015\
Data File : BG020357.D
Acq On : 21 Dec 2015 00:35
Operator : UM/SJ
Sample : G4848-03
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N49

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

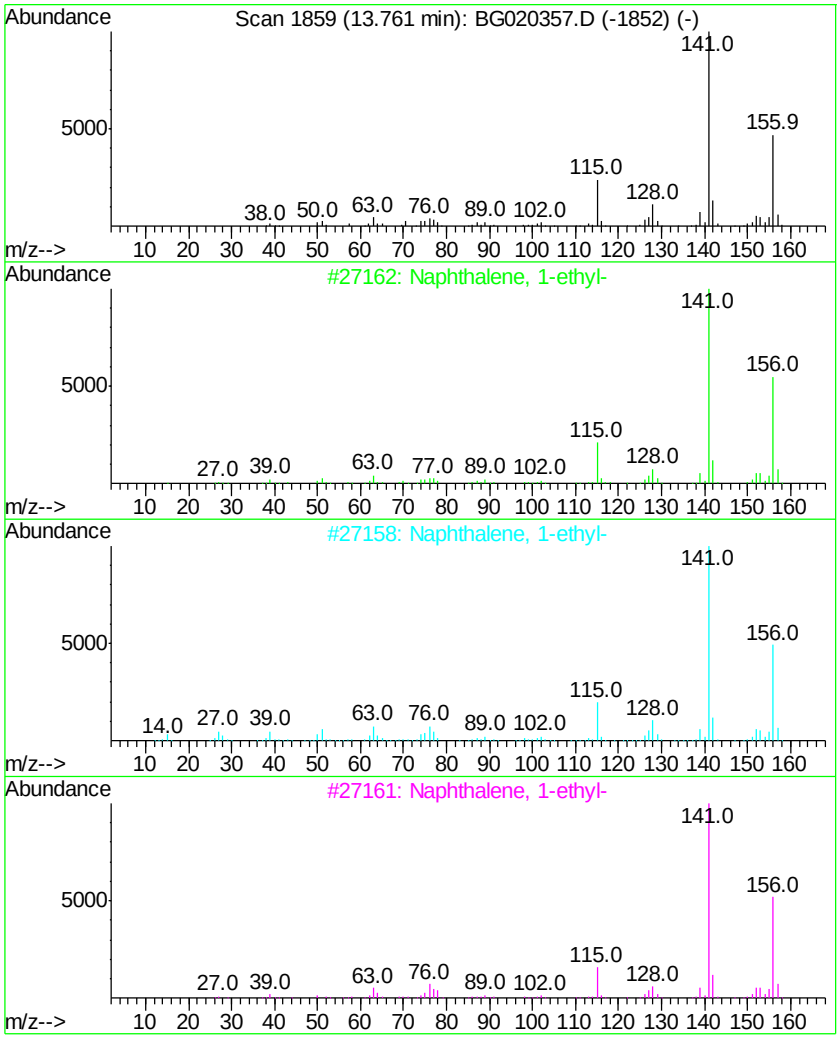
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

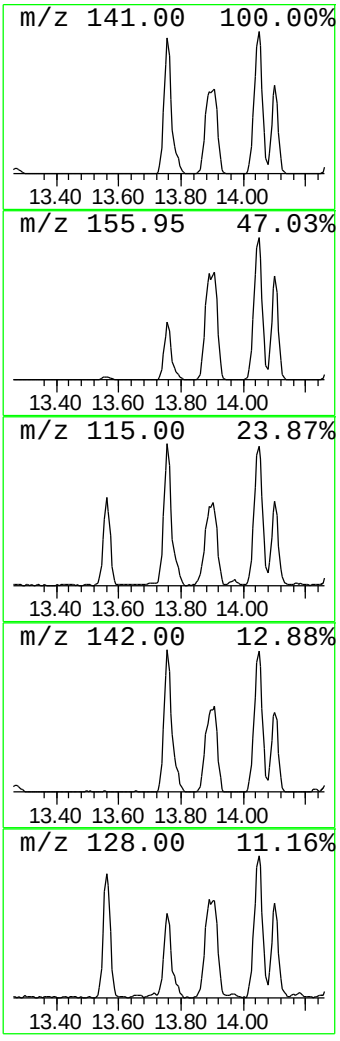
****

Peak Number 3 Naphthalene, 1-ethyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.76	17.59 ng/ul	611137	Acenaphthene-d10	14.73

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1-ethyl-	156	C12H12	001127-76-0	94
2	Naphthalene, 1-ethyl-	156	C12H12	001127-76-0	94
3	Naphthalene, 1-ethyl-	156	C12H12	001127-76-0	91
4	Naphthalene, 1,3-dimethyl-	156	C12H12	000575-41-7	91
5	Naphthalene, 2-ethyl-	156	C12H12	000939-27-5	91





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA G\DATA\BG122015\
Data File : BG020357.D
Acq On : 21 Dec 2015 00:35
Operator : UM/SJ
Sample : G4848-03
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N49

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

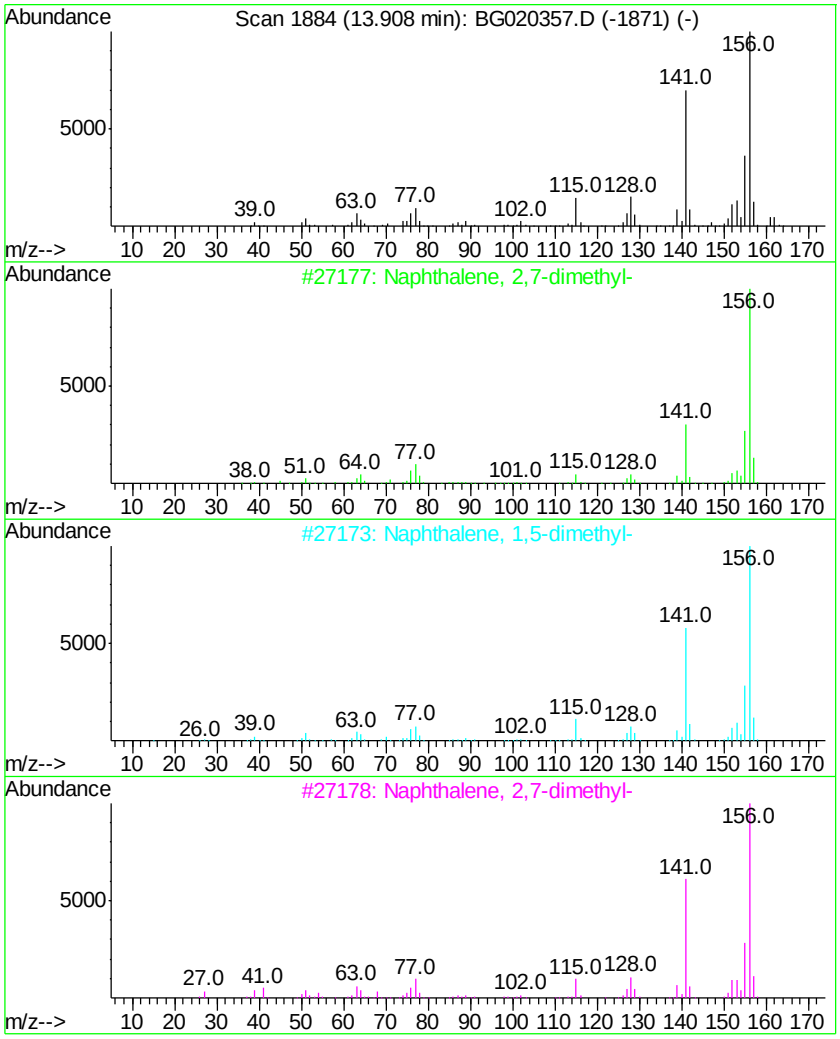
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

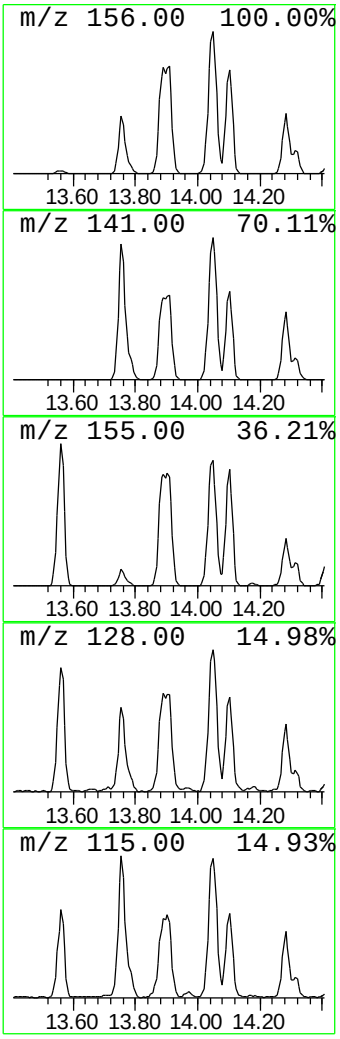
****

Peak Number 4 Naphthalene, 2,7-dimethyl- Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.91	31.62 ng/ul	1098810	Acenaphthene-d10	14.73

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2,7-dimethyl-	156	C12H12	000582-16-1	97
2	Naphthalene, 1,5-dimethyl-	156	C12H12	000571-61-9	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, 2,3-dimethyl-	156	C12H12	000581-40-8	96





Data Path : Z:\HPCHEM1\BNA G\DATA\BG122015\
Data File : BG020357.D
Acq On : 21 Dec 2015 00:35
Operator : UM/SJ
Sample : G4848-03
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N49

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

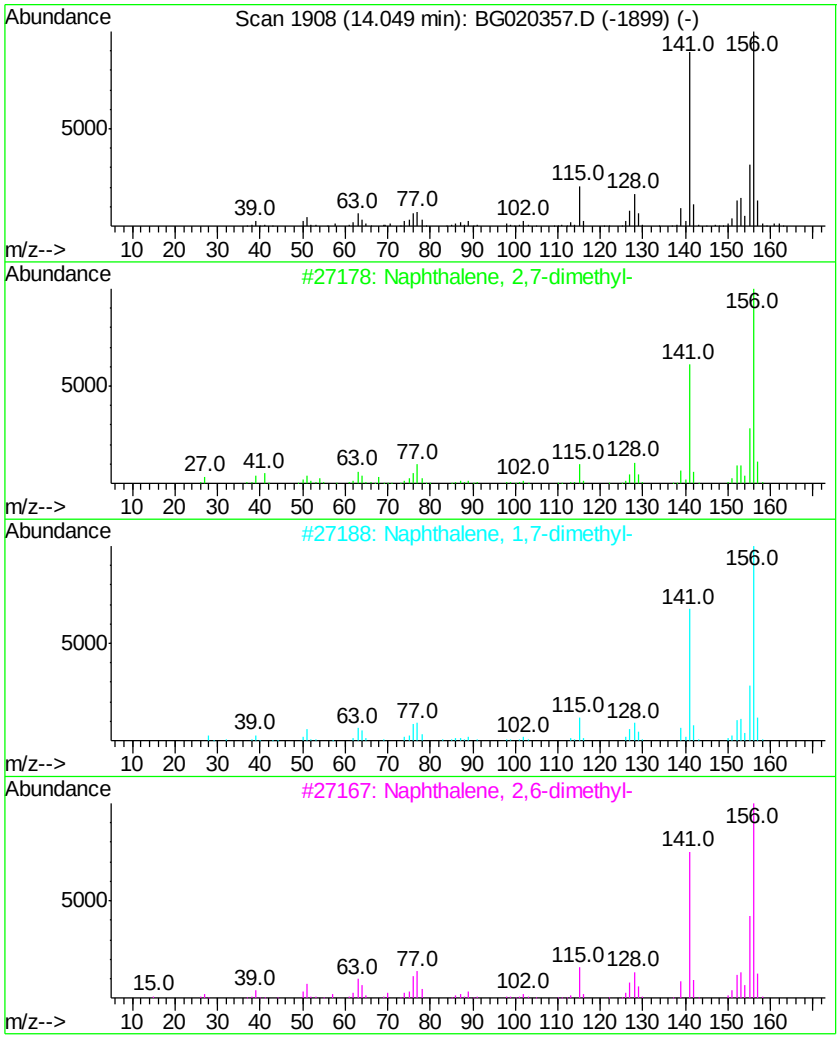
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

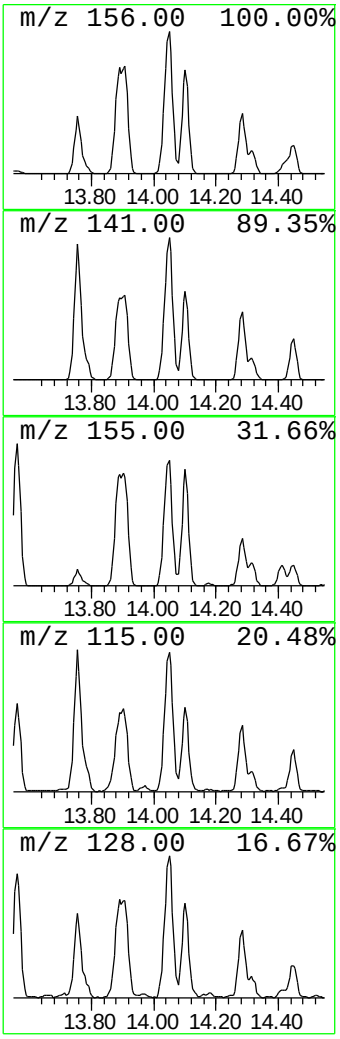
****

Peak Number 5 Naphthalene, 1,7-dimethyl- Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.05	30.34 ng/ul	1054090	Acenaphthene-d10	14.73

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2,7-dimethyl-	156	C12H12	000582-16-1	97
2	Naphthalene, 1,7-dimethyl-	156	C12H12	000575-37-1	97
3	Naphthalene, 2,6-dimethyl-	156	C12H12	000581-42-0	97
4	Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	97
5	Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	96





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Operator : UM/SJ
Sample : G4848-03
Misc :
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Instrument : BNA_G
ClientSampleId : D9N49

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Quant Title : SVOA CALIBRATION

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

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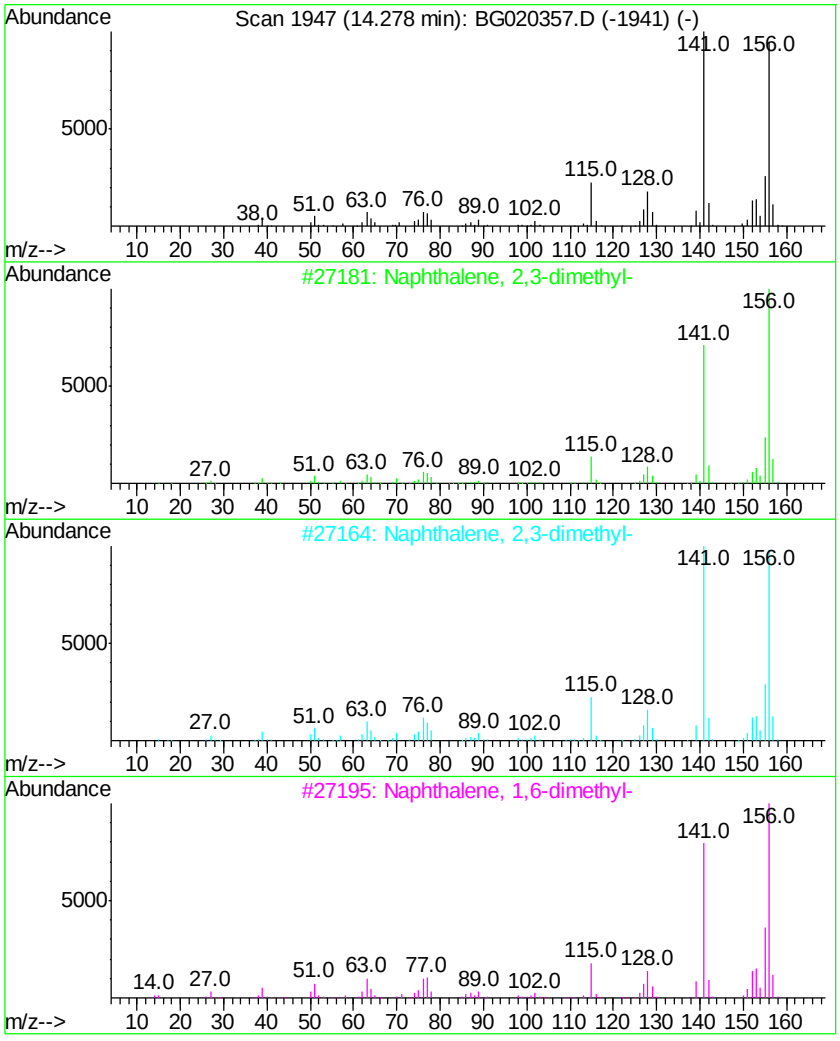
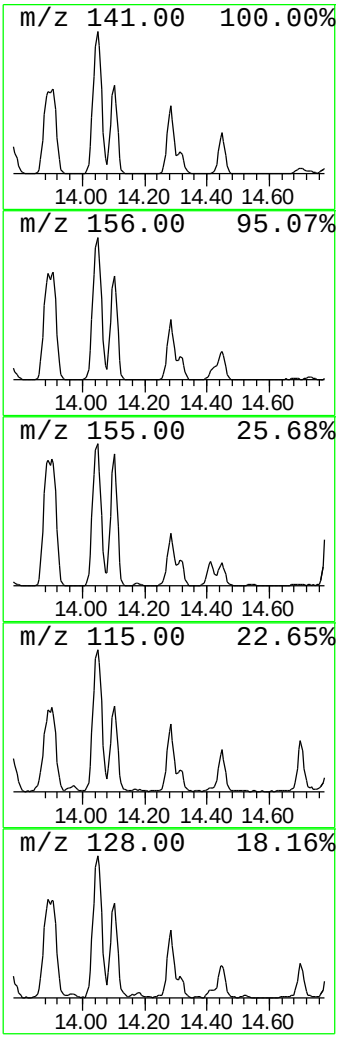
Peak Number 6 Naphthalene, 2,3-dimethyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.28	10.96 ng/ul	380664	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, 1,6-dimethyl-	156	C12H12	000575-43-9	97
4	Naphthalene, 1,4-dimethyl-	156	C12H12	000571-58-4	96
5	Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	96





Library Search Compound Report

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Instrument : BNA_G
ClientSampleId : D9N49

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Quant Title : SVOA CALIBRATION

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

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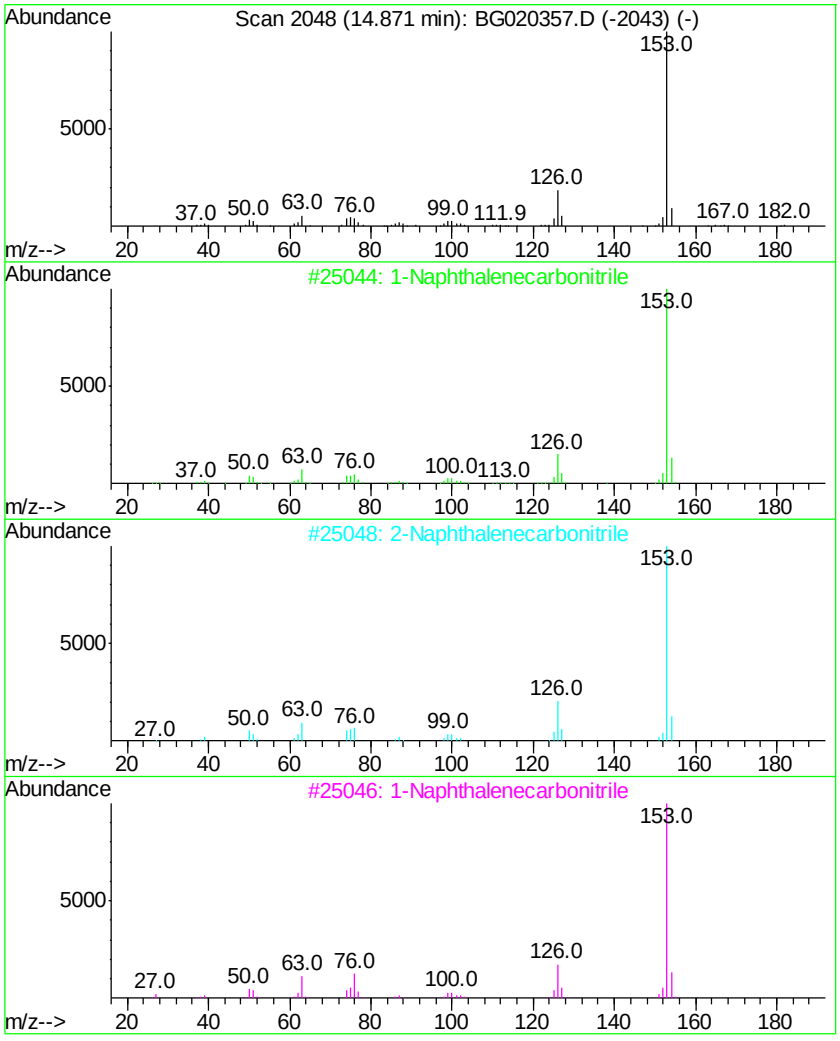
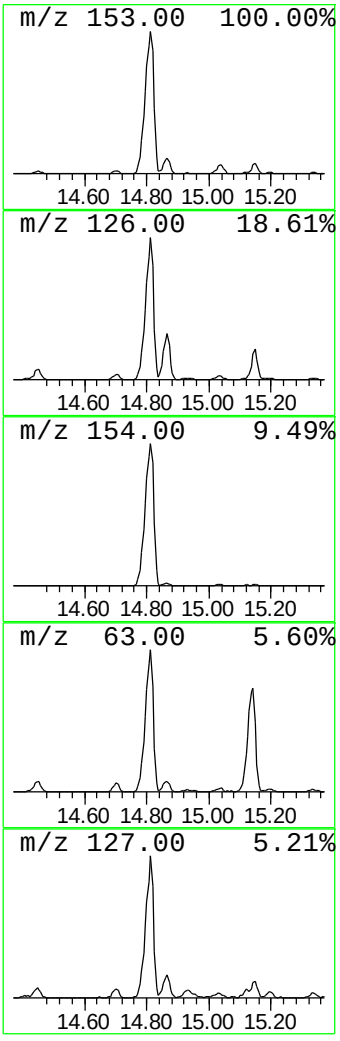
Peak Number 7 1-Naphthalenecarbonitrile Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.87	9.89 ng/ul	343653	Acenaphthene-d10	14.73

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Naphthalenecarbonitrile	153	C11H7N	000086-53-3	94
2	2-Naphthalenecarbonitrile	153	C11H7N	000613-46-7	94
3	1-Naphthalenecarbonitrile	153	C11H7N	000086-53-3	91
4	2-Naphthalenecarbonitrile	153	C11H7N	000613-46-7	91
5	Naphthalene, 1-isocyano-	153	C11H7N	001984-04-9	56





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Instrument : BNA_G
ClientSampleId : D9N49

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Quant Title : SVOA CALIBRATION

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

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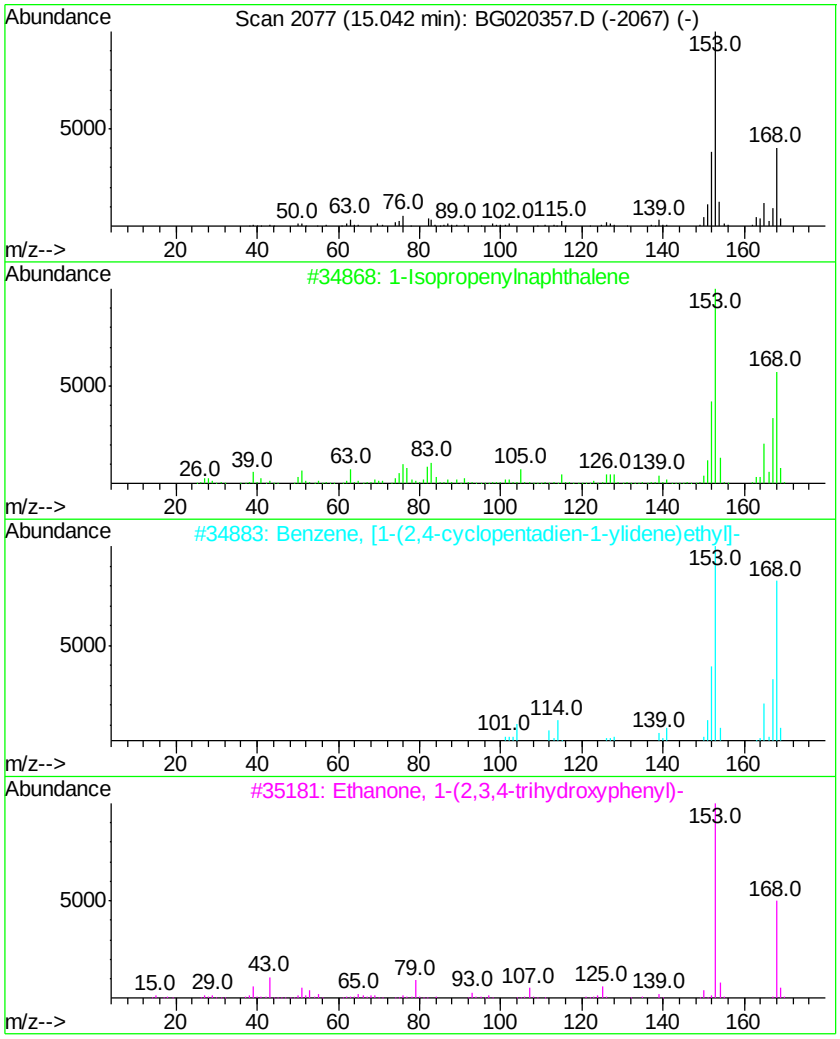
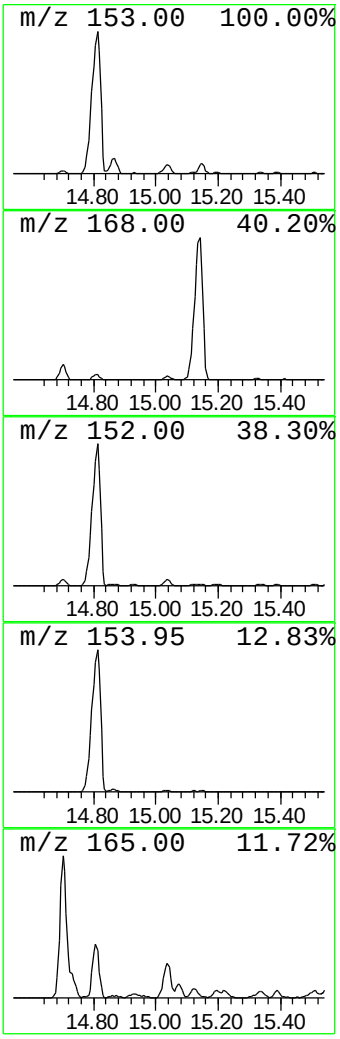
Peak Number 8 1-Isopropenylnaphthalene Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.04	9.75 ng/ul	338845	Acenaphthene-d10	14.73

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Isopropenylnaphthalene	168	C13H12	001855-47-6	80
2	Benzene, [1-(2,4-cyclopentadien-...	168	C13H12	002320-32-3	72
3	Ethanone, 1-(2,3,4-trihydroxyphe...	168	C8H8O4	000528-21-2	50
4	Thieno[2,3-b]thiophene, 2-ethyl-	168	C8H8S2	005912-01-6	50
5	Acetophenone, 3'-fluoro-4'-methoxy-	168	C9H9FO2	000455-91-4	47





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ClientSampleId : D9N49

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Quant Title : SVOA CALIBRATION

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

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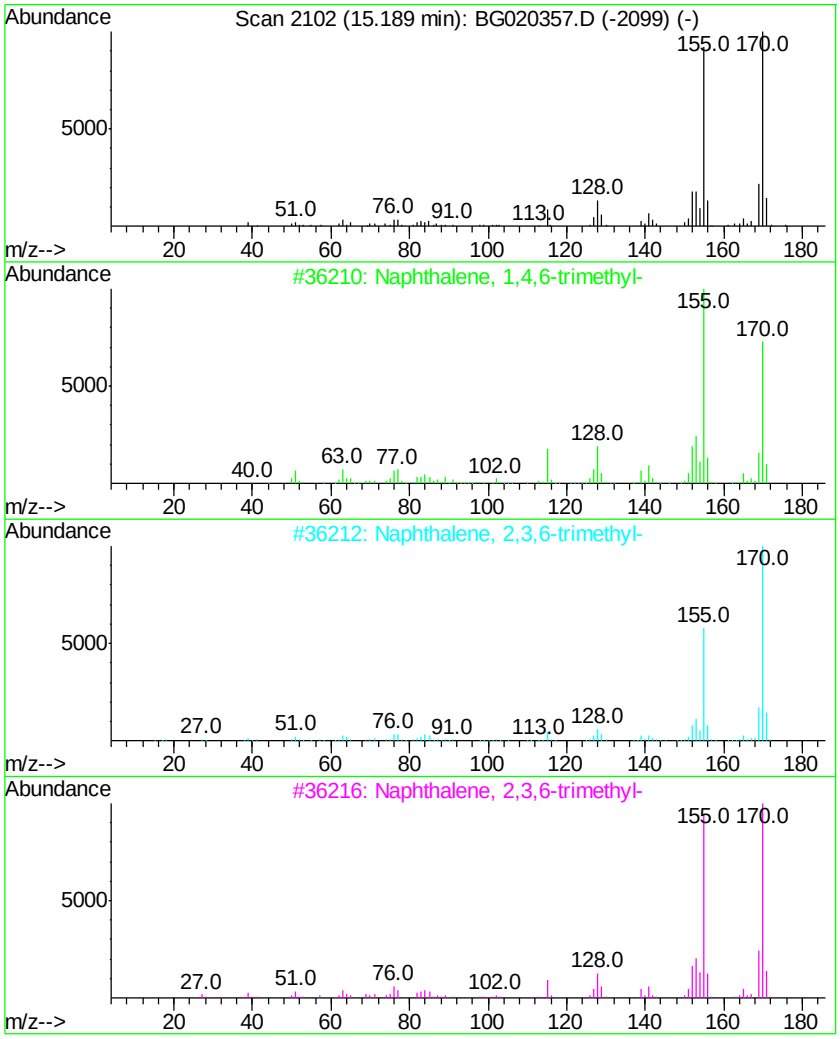
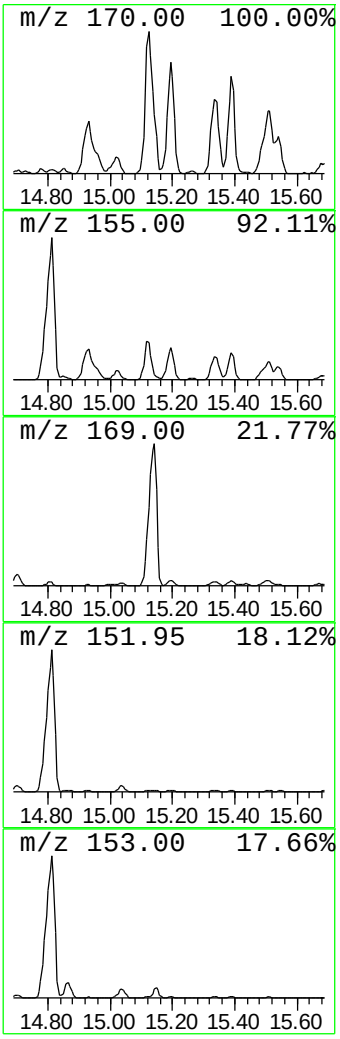
Peak Number 9 Naphthalene, 1,4,6-trimethyl- Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.19	6.57 ng/ul	228223	Acenaphthene-d10	14.73

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





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ClientSampleId : D9N49

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Quant Title : SVOA CALIBRATION

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

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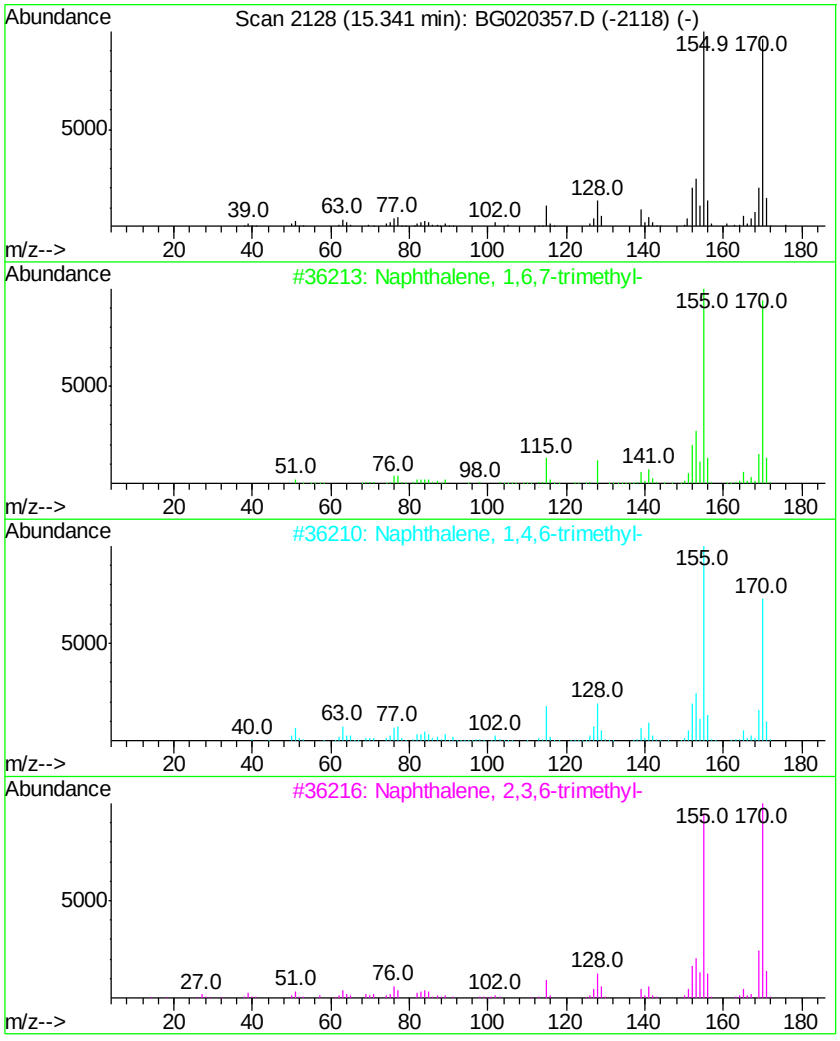
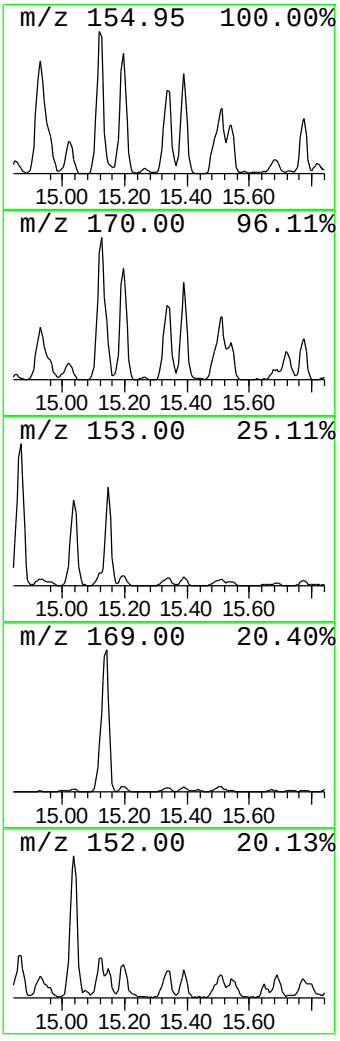
Peak Number 10 Naphthalene, 1,6,7-trimethyl- Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.34	6.28 ng/ul	218208	Acenaphthene-d10	14.73

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





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Instrument : BNA_G
ClientSampleId : D9N49

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Quant Title : SVOA CALIBRATION

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

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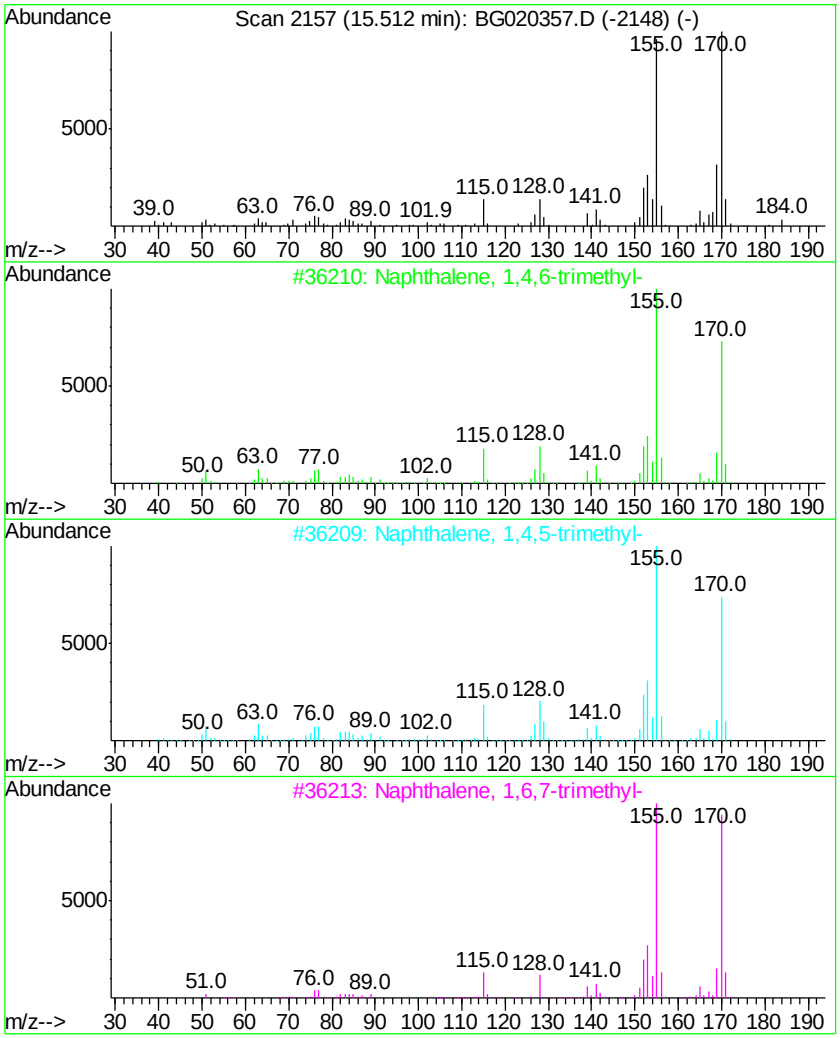
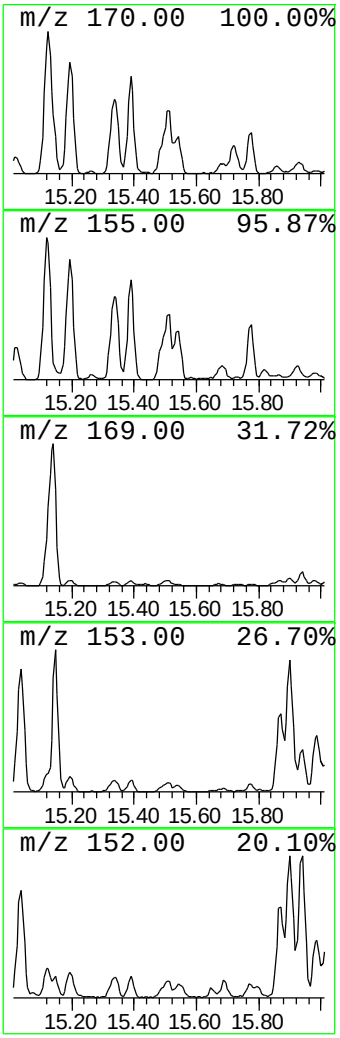
Peak Number 12 Naphthalene, 2,3,6-trimethyl- Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.51	5.54 ng/ul	192595	Acenaphthene-d10	14.73

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1,4,6-trimethyl-	170	C13H14	002131-42-2	96
2	Naphthalene, 1,4,5-trimethyl-	170	C13H14	002131-41-1	96
3	Naphthalene, 1,6,7-trimethyl-	170	C13H14	002245-38-7	96
4	Naphthalene, 2,3,6-trimethyl-	170	C13H14	000829-26-5	95
5	Naphthalene, 1,6,7-trimethyl-	170	C13H14	002245-38-7	94





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Misc :
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Instrument : BNA_G
ClientSampleId : D9N49

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Quant Title : SVOA CALIBRATION

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

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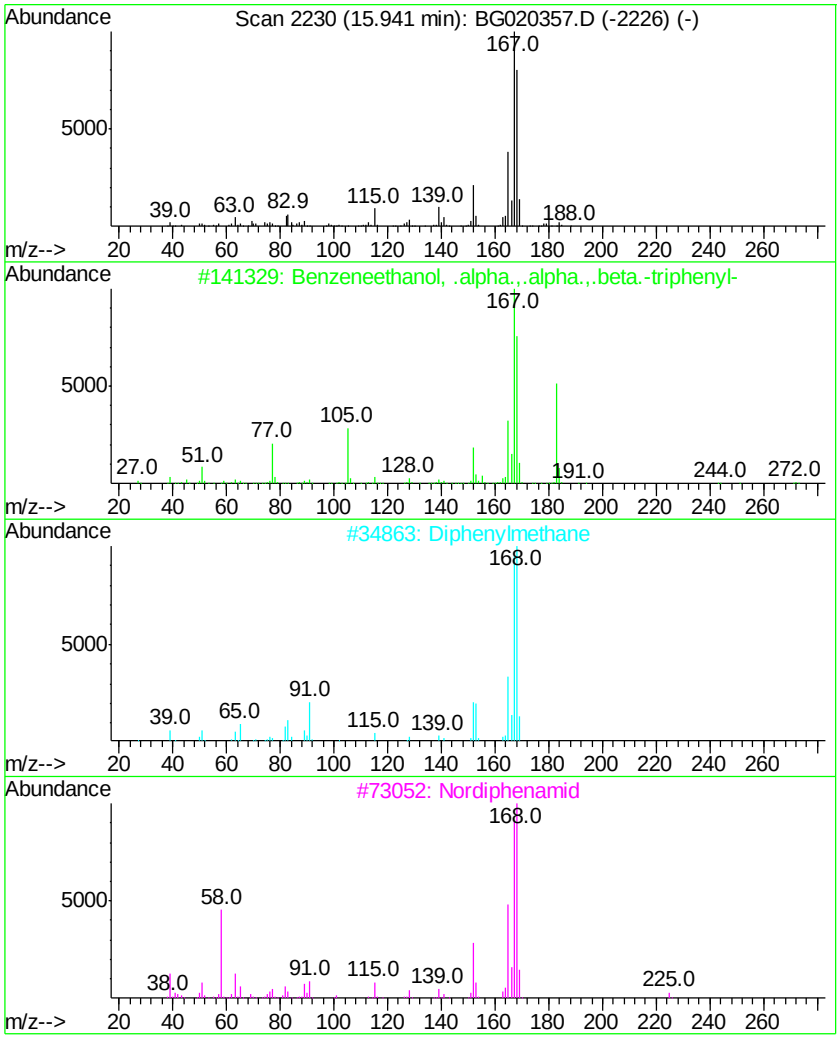
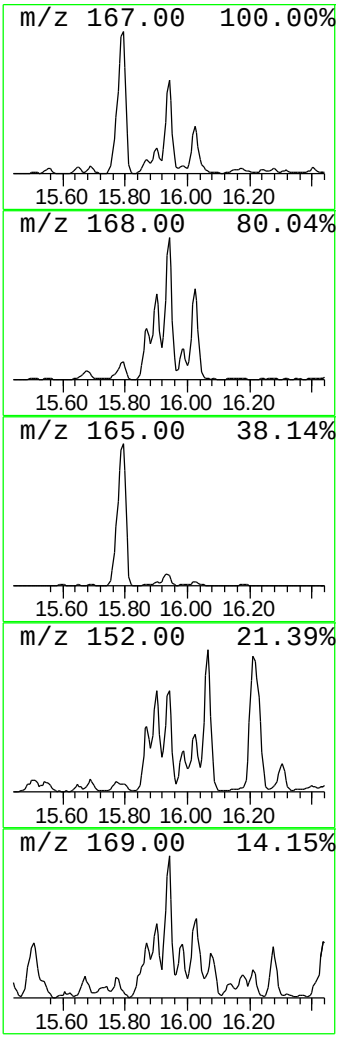
Peak Number 13 Benzeneethanol, .alpha.,.al... Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.94	25.30 ng/ul	879151	Acenaphthene-d10	14.73

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzeneethanol, .alpha.,.alpha.,...	350	C26H22O	000981-24-8	78
2	Diphenylmethane	168	C13H12	000101-81-5	68
3	Nordiphenamid	225	C15H15NO	000954-21-2	64
4	1,1-Diphenyl-2-propanol	212	C15H16O	029338-49-6	64
5	Diphenylmethane	168	C13H12	000101-81-5	59





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Quant Title : SVOA CALIBRATION

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

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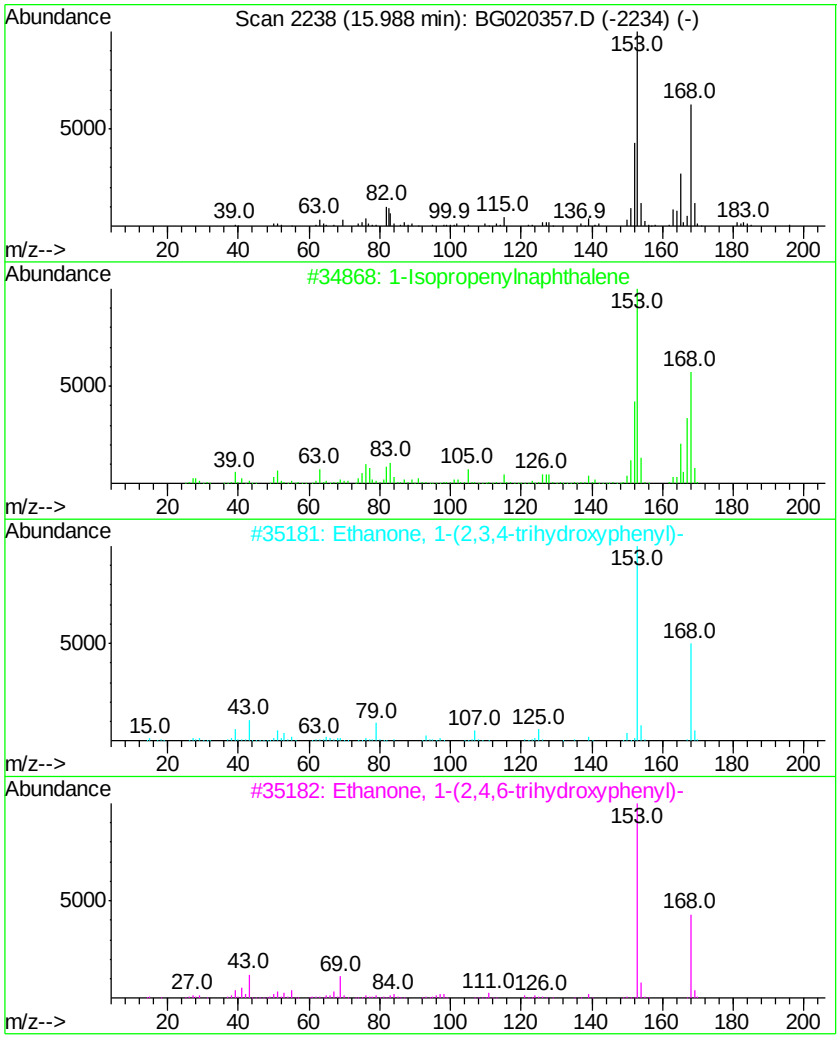
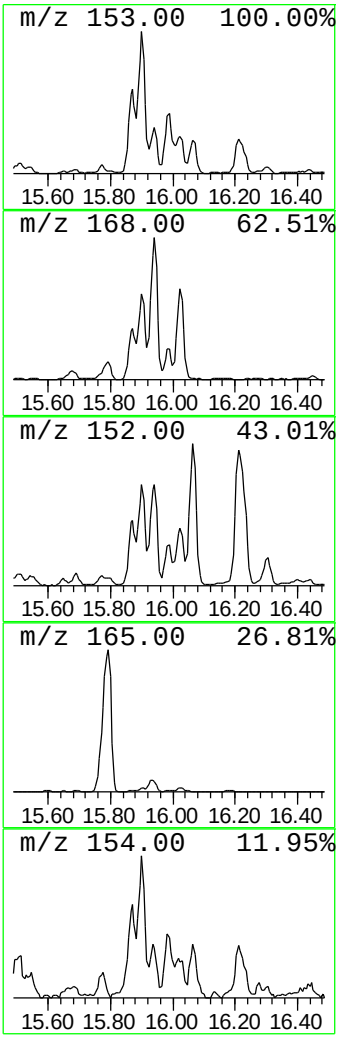
Peak Number 14 Ethanone, 1-(2,3,4-trihydro... Concentration Rank 21

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.99	4.98 ng/ul	173130	Acenaphthene-d10	14.73

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Isopropenylnaphthalene	168	C13H12	001855-47-6	72
2	Ethanone, 1-(2,3,4-trihydroxyphe...	168	C8H8O4	000528-21-2	50
3	Ethanone, 1-(2,4,6-trihydroxyphe...	168	C8H8O4	000480-66-0	50
4	5-Acetyl-2-methyl-3-thiophenecar...	168	C8H8O2S	090345-55-4	47
5	Benzene, [1-(2,4-cyclopentadien-...	168	C13H12	002320-32-3	45





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Quant Title : SVOA CALIBRATION

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

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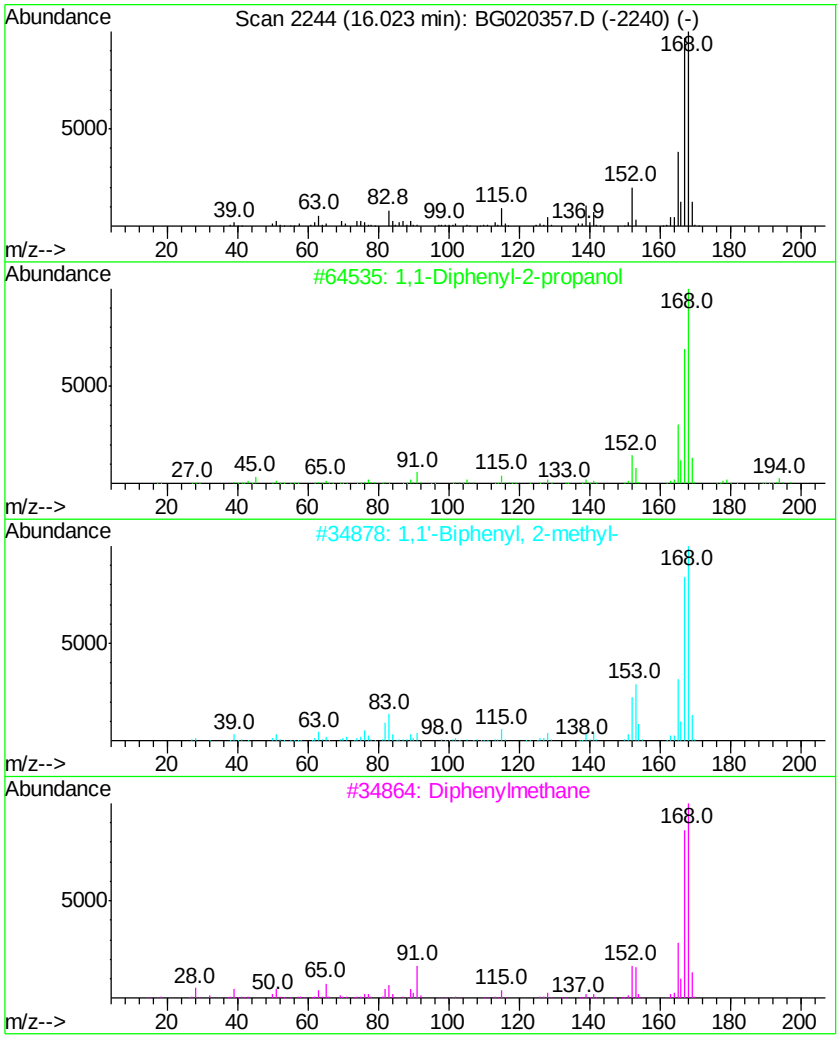
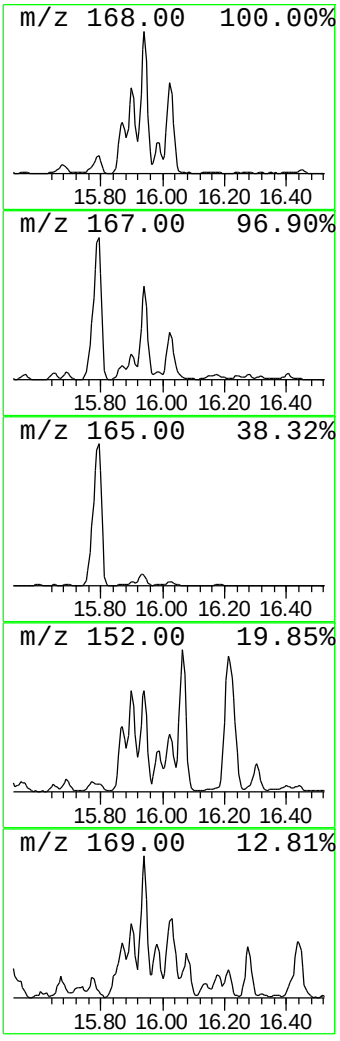
Peak Number 15 1,1-Diphenyl-2-propanol Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.02	11.78 ng/ul	409432	Acenaphthene-d10	14.73

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,1-Diphenyl-2-propanol	212	C15H16O	029338-49-6	83
2	1,1'-Biphenyl, 2-methyl-	168	C13H12	000643-58-3	81
3	Diphenylmethane	168	C13H12	000101-81-5	74
4	Diphenylmethane	168	C13H12	000101-81-5	74
5	Diphenylmethane	168	C13H12	000101-81-5	74





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Quant Title : SVOA CALIBRATION

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

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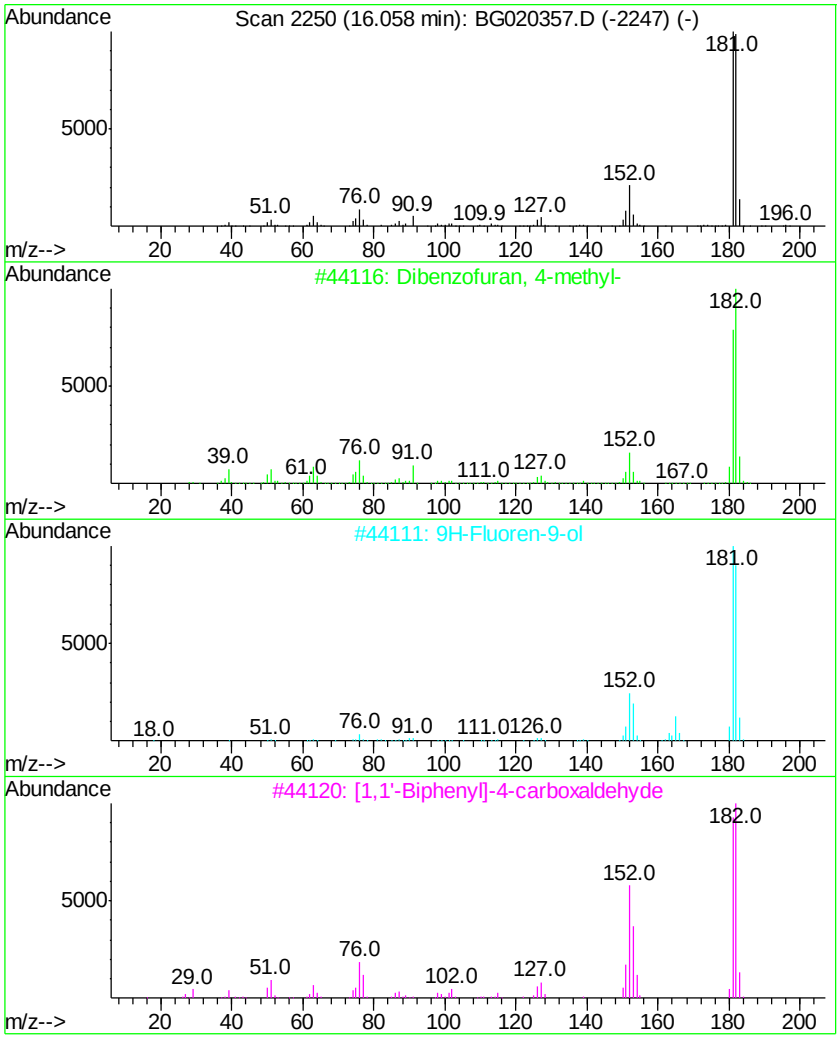
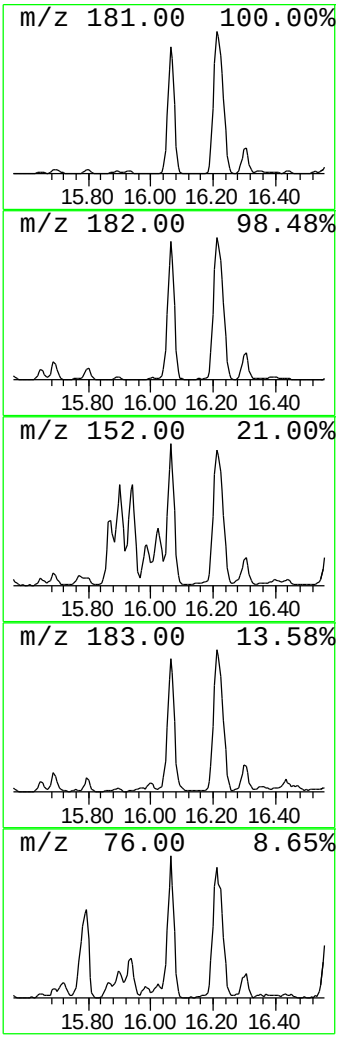
Peak Number 16 Dibenzofuran, 4-methyl- Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.06	29.00 ng/ul	1007700	Acenaphthene-d10	14.73

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dibenzofuran, 4-methyl-	182	C13H10O	007320-53-8	90
2	9H-Fluoren-9-ol	182	C13H10O	001689-64-1	86
3	[1,1'-Biphenyl]-4-carboxaldehyde	182	C13H10O	003218-36-8	83
4	2,4,6-Cycloheptatrien-1-one, 2-p...	182	C13H10O	014562-09-5	78
5	9H-Fluoren-9-ol	182	C13H10O	001689-64-1	74





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TIC Library : C:\DATABASE\NIST02.L
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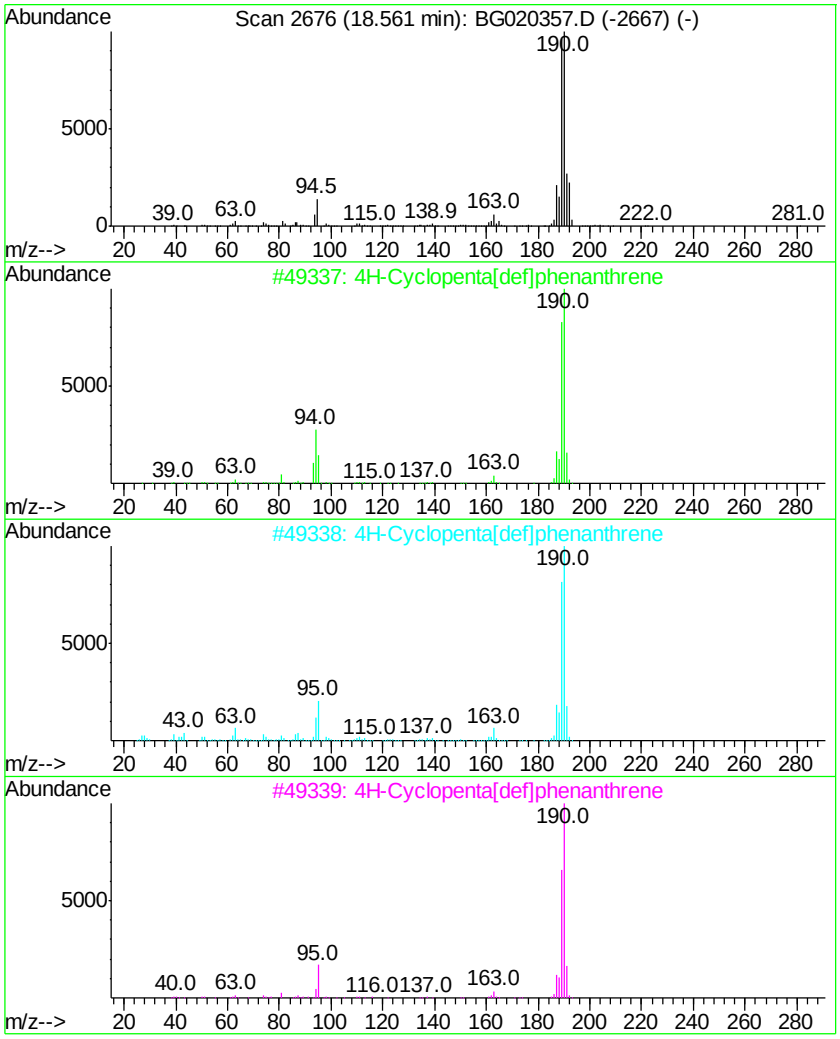
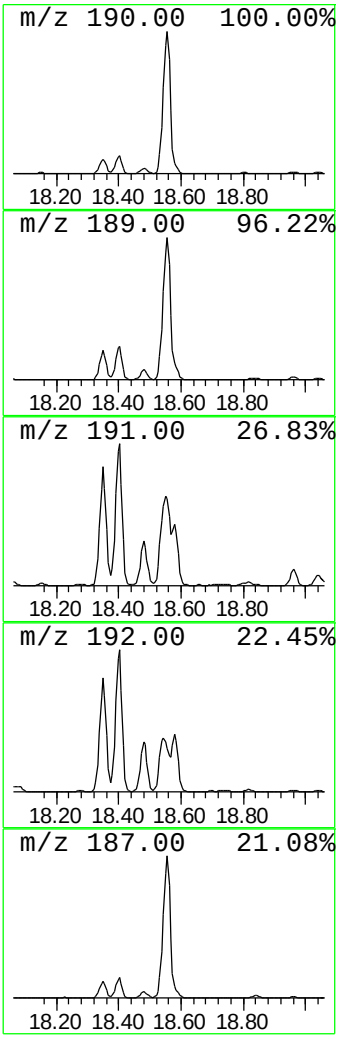
Peak Number 17 4H-Cyclopenta[def]phenanthrene Concentration Rank 22

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.56	3.82 ng/ul	3563250	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	81
3	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	74
4	2,3,5,6-Tetramethylterephthalald...	190	C12H14O2	007072-01-7	50
5	6H-Cyclobuta[jk]phenanthrene	190	C15H10	083469-43-6	50





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ClientSampleId : D9N49

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

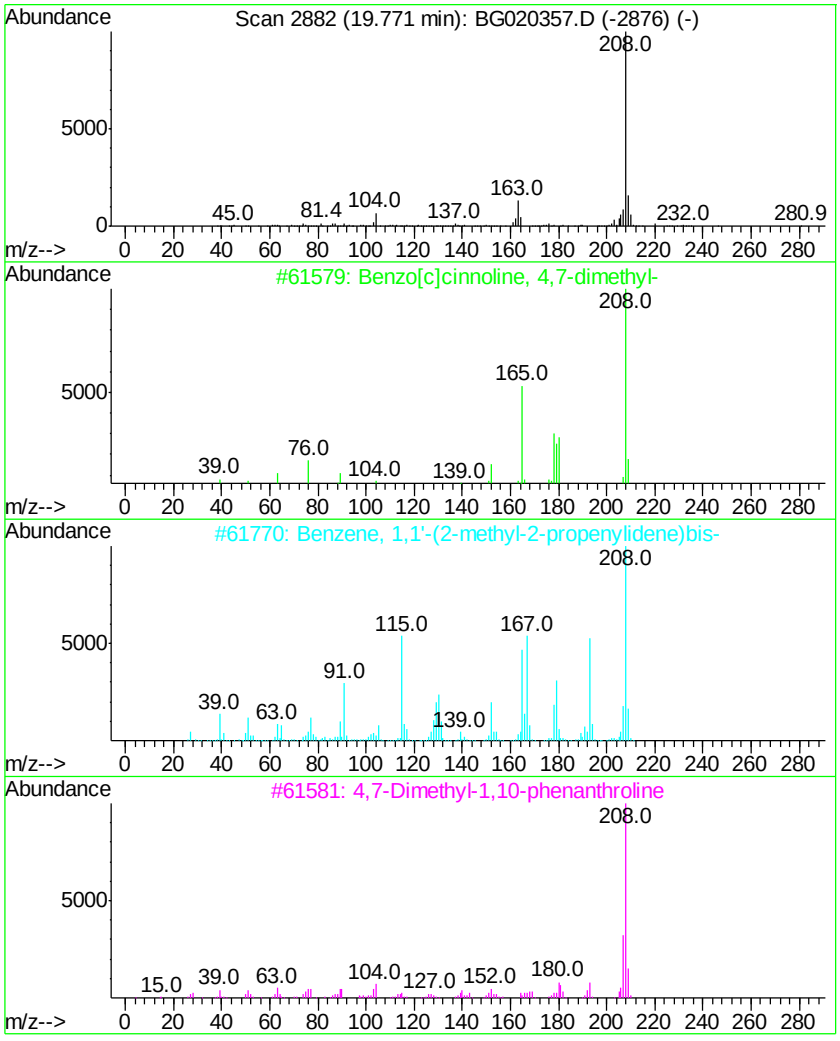
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

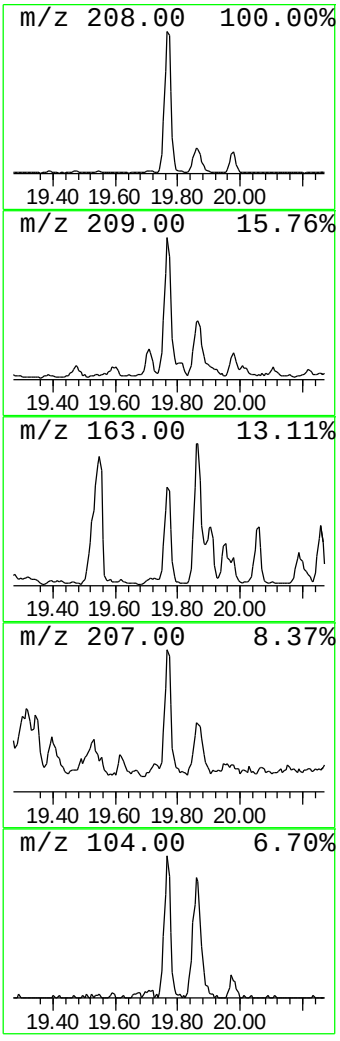
****

Peak Number 18 Benzo[c]cinnoline, 4,7-dime... Concentration Rank 31

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.77	2.27 ng/ul	376154	Chrysene-d12	21.75

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





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA G\DATA\BG122015\
Data File : BG020357.D
Acq On : 21 Dec 2015 00:35
Operator : UM/SJ
Sample : G4848-03
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N49

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

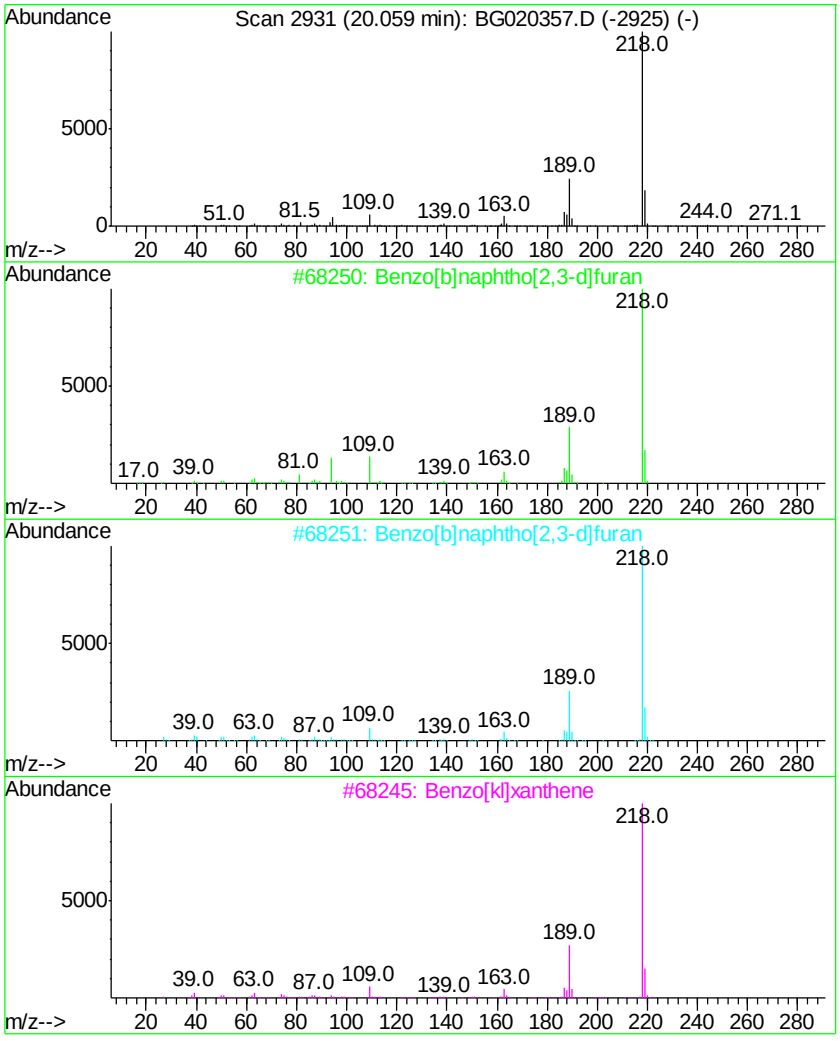
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

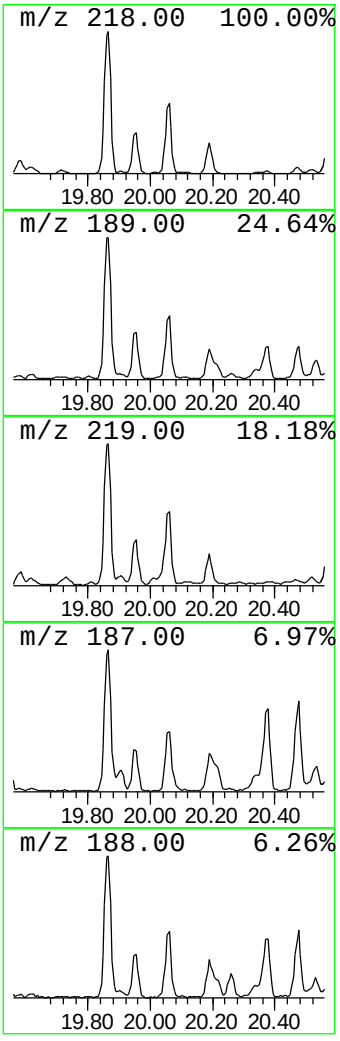
****

Peak Number 19 Benzo[b]naphtho[2,3-d]furan Concentration Rank 24

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.06	3.11 ng/ul	515473	Chrysene-d12	21.75

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[b]naphtho[2,3-d]furan	218	C16H10O	000243-42-5	96
2	Benzo[b]naphtho[2,3-d]furan	218	C16H10O	000243-42-5	94
3	Benzo[kl]xanthene	218	C16H10O	000200-23-7	94
4	Benzo[b]naphtho[1,2-d]furan	218	C16H10O	000239-30-5	94
5	Indeno[2,1-b]chromene,	218	C16H10O	000243-24-3	91





Library Search Compound Report

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Data File : BG020357.D
Acq On : 21 Dec 2015 00:35
Operator : UM/SJ
Sample : G4848-03
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N49

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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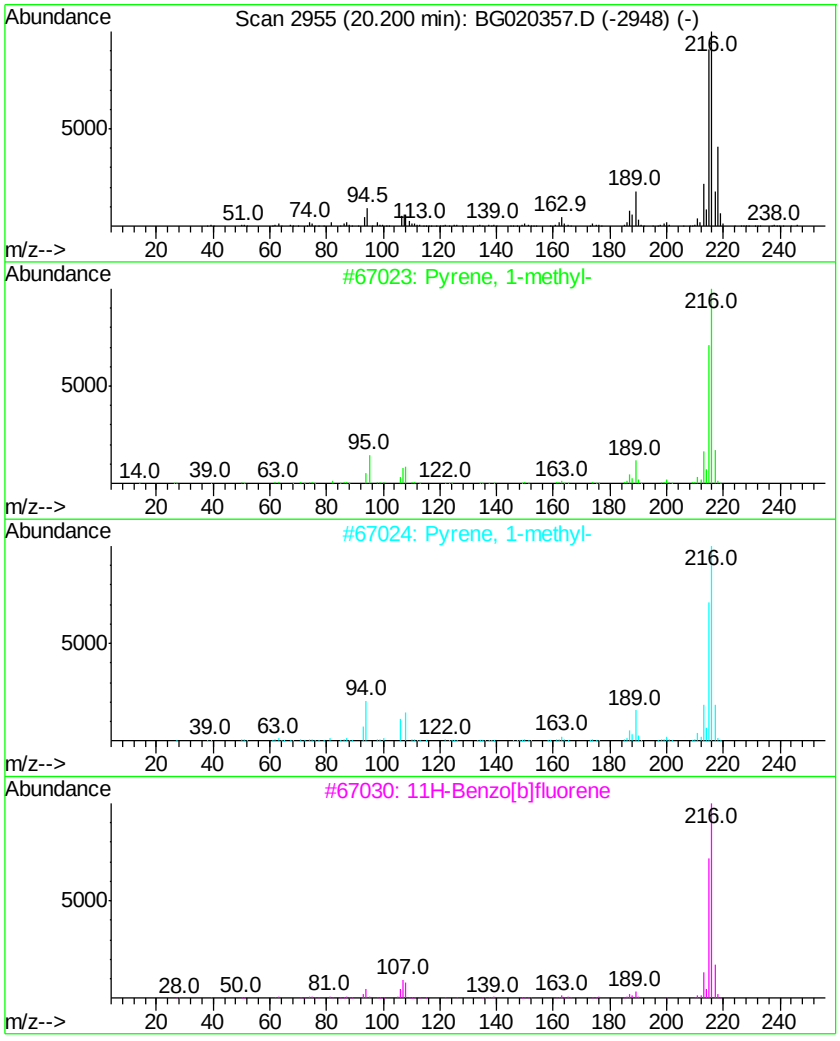
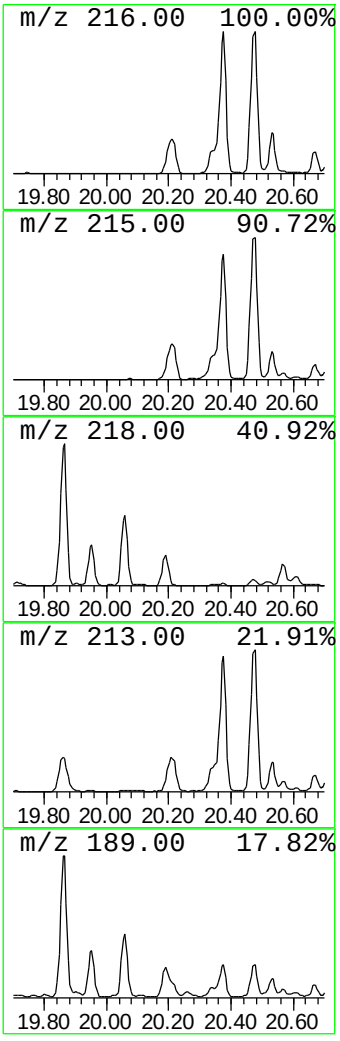
Peak Number 20 Pyrene, 1-methyl- Concentration Rank 25

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.20	3.08 ng/ul	510515	Chrysene-d12	21.75

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene, 1-methyl-	216	C17H12	002381-21-7	95
2	Pyrene, 1-methyl-	216	C17H12	002381-21-7	89
3	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	87
4	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	81
5	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	81





Library Search Compound Report

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Data File : BG020357.D
Acq On : 21 Dec 2015 00:35
Operator : UM/SJ
Sample : G4848-03
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N49

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

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

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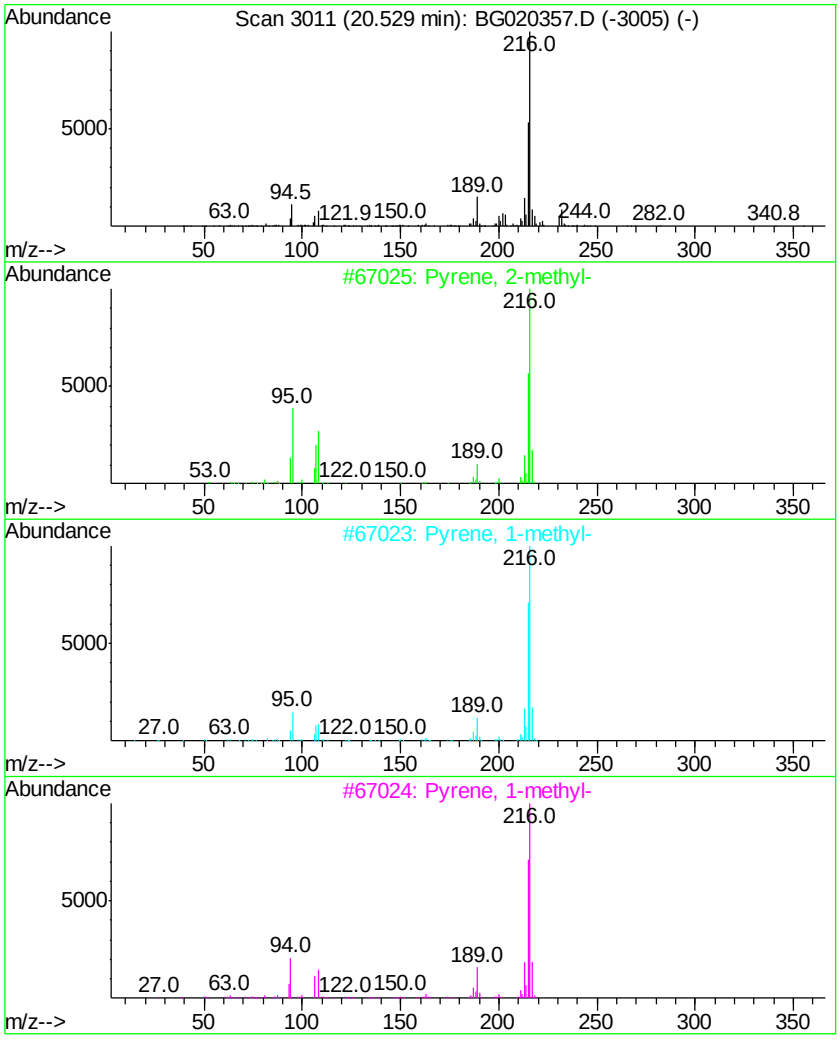
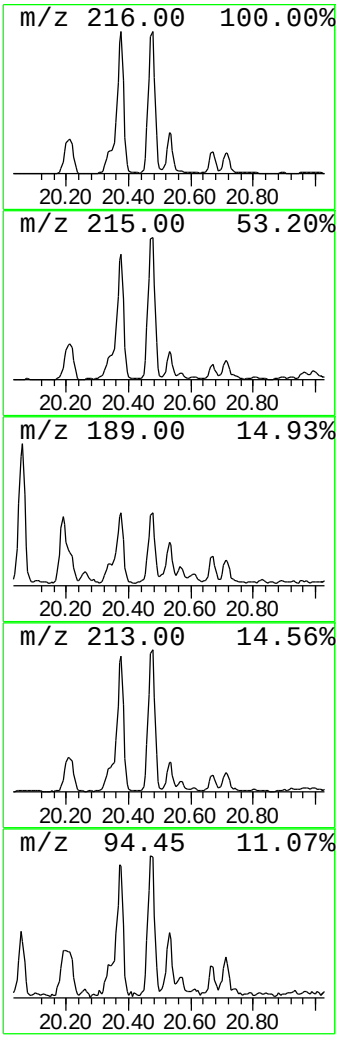
Peak Number 24 Pyrene, 2-methyl- Concentration Rank 23

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.53	3.37 ng/ul	557305	Chrysene-d12	21.75

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





Library Search Compound Report

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Data File : BG020357.D
Acq On : 21 Dec 2015 00:35
Operator : UM/SJ
Sample : G4848-03
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N49

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

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

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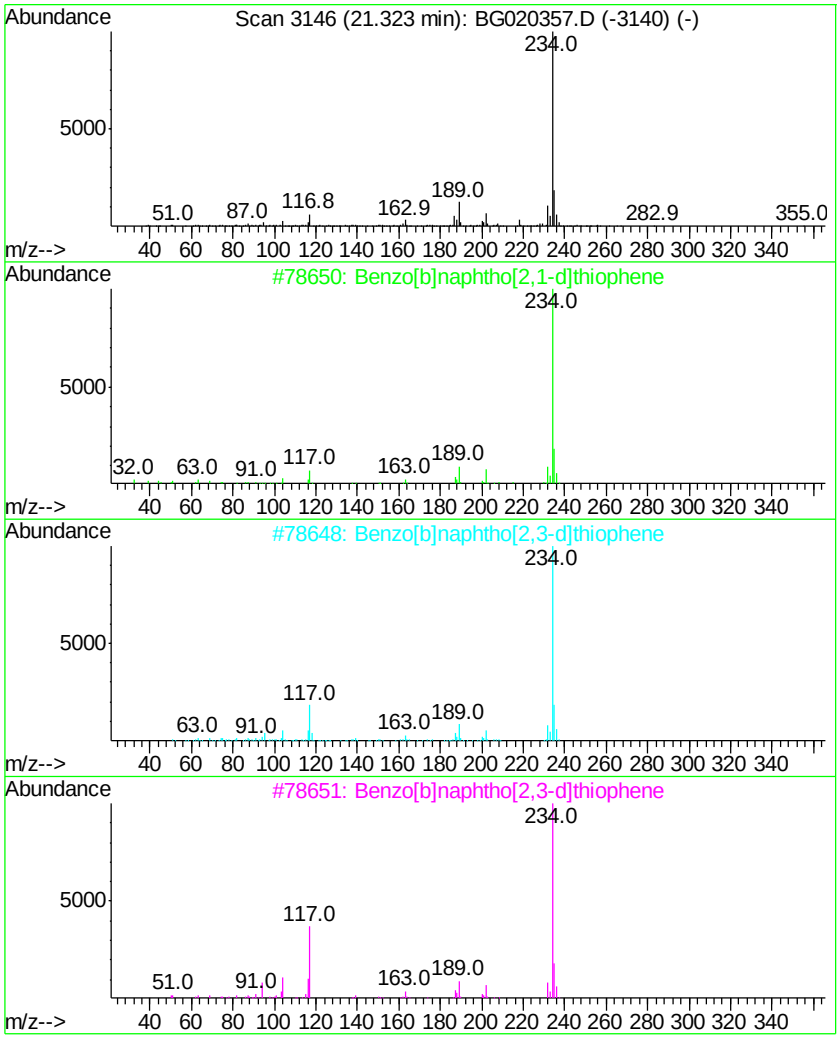
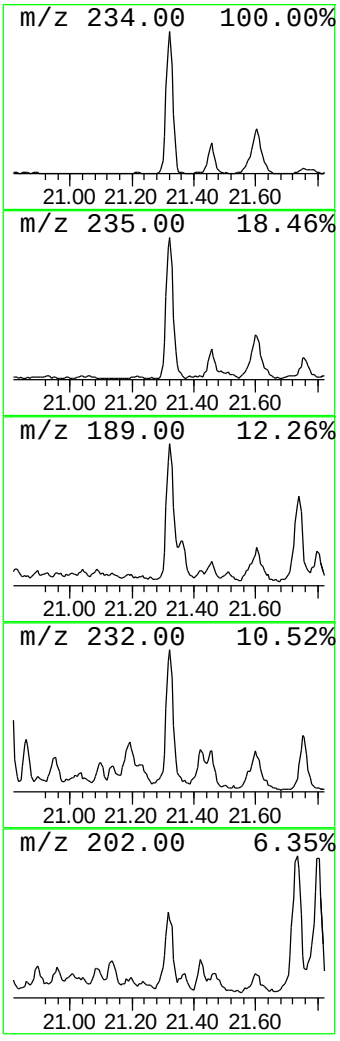
Peak Number 25 Benzo[b]naphtho[2,1-d]thiop... Concentration Rank 28

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.32	2.76 ng/ul	456912	Chrysene-d12	21.75

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	95
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[2,1-d]thiophene	234	C16H10S	000239-35-0	90





Library Search Compound Report

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Acq On : 21 Dec 2015 00:35
Operator : UM/SJ
Sample : G4848-03
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N49

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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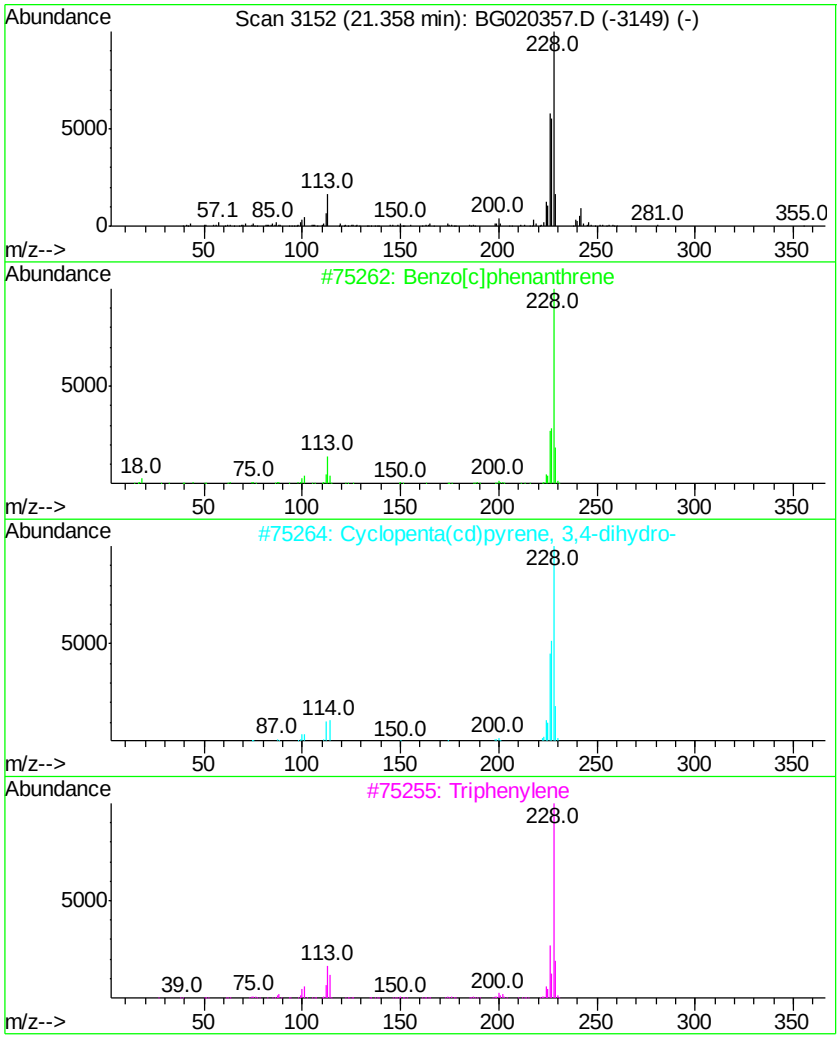
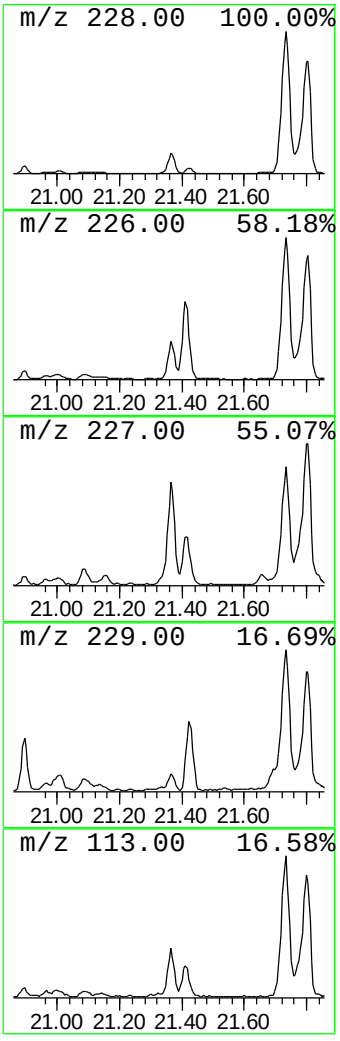
Peak Number 26 Benzo[c]phenanthrene Concentration Rank 29

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.36	2.72 ng/ul	450060	Chrysene-d12	21.75

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[c]phenanthrene	228	C18H12	000195-19-7	58
2	Cyclopenta(cd)pyrene, 3,4-dihydro-	228	C18H12	025732-74-5	52
3	Triphenylene	228	C18H12	000217-59-4	49
4	2-Nitrophenyl selenocyanate	228	C7H4N2O2Se	051694-22-5	47
5	Chrysene	228	C18H12	000218-01-9	46





Library Search Compound Report

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Operator : UM/SJ
Sample : G4848-03
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N49

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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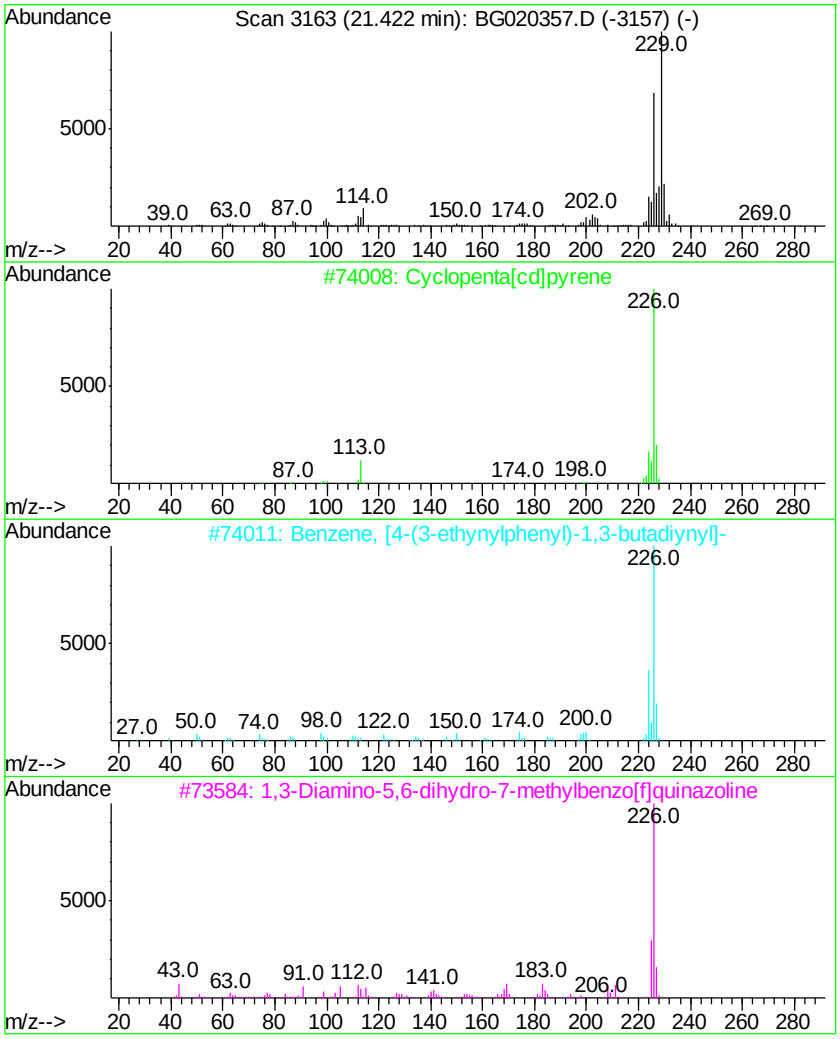
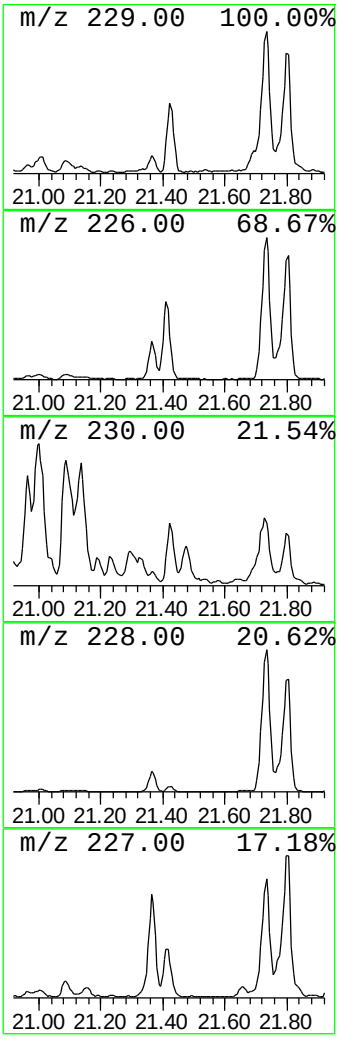
Peak Number 27 unknown-01 Concentration Rank 26

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.42	2.97 ng/ul	491302	Chrysene-d12	21.75

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopenta[cd]pyrene	226	C18H10	027208-37-3	46
2	Benzene, [4-(3-ethynylphenyl)-1,...	226	C18H10	1000115-87-3	45
3	1,3-Diamino-5,6-dihydro-7-methyl...	226	C13H14N4	037436-37-6	38
4	6-Methyl-4-phenyl-3-cyanopyridin...	226	C13H10N2S	078564-23-5	37
5	.beta.-Carboline, 7-methoxy-1,2-...	226	C14H14N2O	006519-18-2	37





Library Search Compound Report

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Sample : G4848-03
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ALS Vial : 23 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N49

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Quant Title : SVOA CALIBRATION

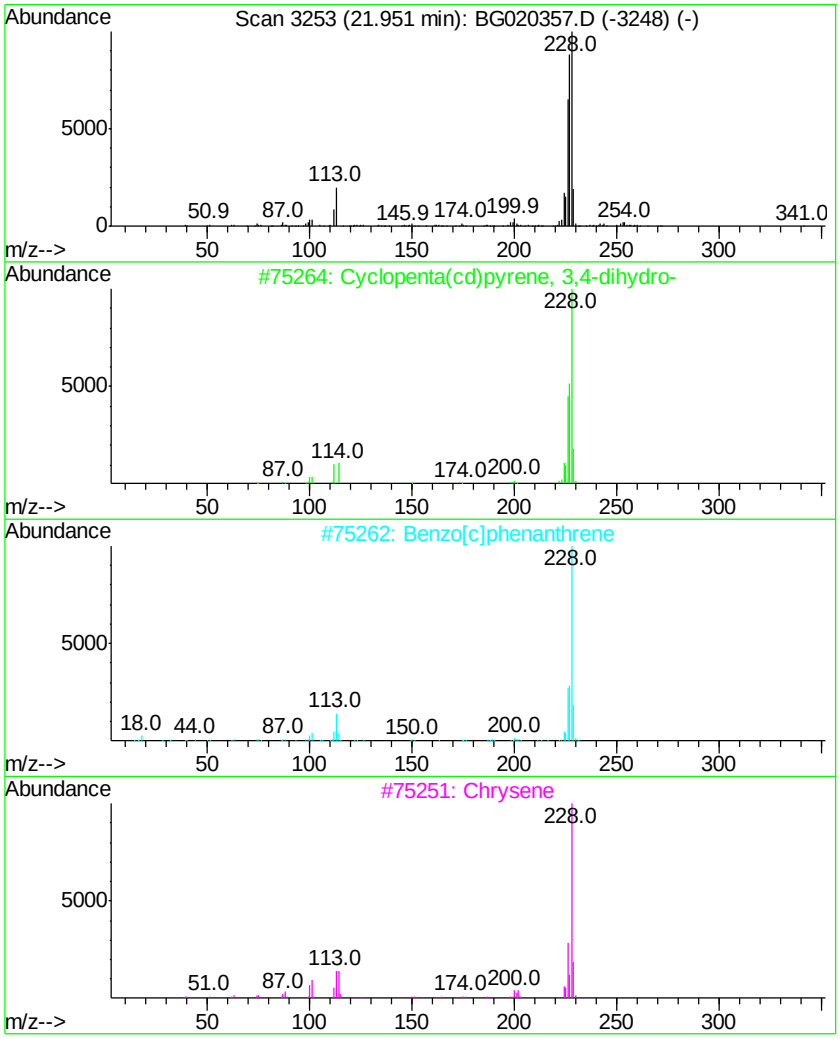
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

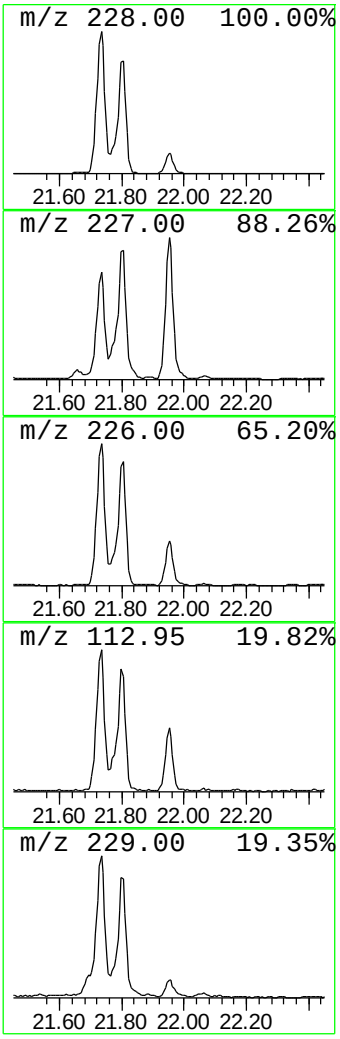
****

Peak Number 28 Cyclopenta(cd)pyrene, 3,4-d... Concentration Rank 27

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.95	2.96 ng/ul	490184	Chrysene-d12	21.75

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopenta(cd)pyrene, 3,4-dihydro-	228	C18H12	025732-74-5	55
2	Benzo[c]phenanthrene	228	C18H12	000195-19-7	43
3	Chrysene	228	C18H12	000218-01-9	38
4	Benz[a]anthracene	228	C18H12	000056-55-3	38
5	Triphenylene	228	C18H12	000217-59-4	38





Tentatively Identified Compound (LSC) summary

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG122015\
Data File : BG020357.D
Acq On : 21 Dec 2015 00:35
Operator : UM/SJ
Sample : G4848-03
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N49

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	8.63	20.0	ng/ul	404073	1	8.09	404073	20.0
Naphthalene, 1-me...	12.79	5.2	ng/ul	2101760	2	10.92	8092920	20.0
Naphthalene, 1-et...	13.76	17.6	ng/ul	611137	3	14.73	694929	20.0
Naphthalene, 2,7-...	13.91	31.6	ng/ul	1098810	3	14.73	694929	20.0
Naphthalene, 1,7-...	14.05	30.3	ng/ul	1054090	3	14.73	694929	20.0
Naphthalene, 2,3-...	14.28	11.0	ng/ul	380664	3	14.73	694929	20.0
1-Naphthalenecarb...	14.87	9.9	ng/ul	343653	3	14.73	694929	20.0
1-Isopropenylnaph...	15.04	9.8	ng/ul	338845	3	14.73	694929	20.0
Naphthalene, 1,4,...	15.19	6.6	ng/ul	228223	3	14.73	694929	20.0
Naphthalene, 1,6,...	15.34	6.3	ng/ul	218208	3	14.73	694929	20.0
Naphthalene, 2,3,...	15.51	5.5	ng/ul	192595	3	14.73	694929	20.0
Benzeneethanol, ...	15.94	25.3	ng/ul	879151	3	14.73	694929	20.0
Ethanone, 1-(2,3,...	15.99	5.0	ng/ul	173130	3	14.73	694929	20.0
1,1-Diphenyl-2-pr...	16.02	11.8	ng/ul	409432	3	14.73	694929	20.0
Dibenzofuran, 4-m...	16.06	29.0	ng/ul	1007700	3	14.73	694929	20.0
4H-Cyclopenta[def...	18.56	3.8	ng/ul	3563250	4	17.49	18645400	20.0
Benzo[c]cinnoline...	19.77	2.3	ng/ul	376154	5	21.75	3310720	20.0
Benzo[b]naphtho[2...	20.06	3.1	ng/ul	515473	5	21.75	3310720	20.0
Pyrene, 1-methyl-	20.20	3.1	ng/ul	510515	5	21.75	3310720	20.0
Pyrene, 2-methyl-	20.53	3.4	ng/ul	557305	5	21.75	3310720	20.0
Benzo[b]naphtho[2...	21.32	2.8	ng/ul	456912	5	21.75	3310720	20.0
Benzo[c]phenanthrene	21.36	2.7	ng/ul	450060	5	21.75	3310720	20.0
unknown-01	21.42	3.0	ng/ul	491302	5	21.75	3310720	20.0
Cyclopenta(cd)pyr...	21.95	3.0	ng/ul	490184	5	21.75	3310720	20.0