LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG121515\
Data File : BG020164.D
Acq On : 14 Dec 2015 22:17
Operator : UM/SJ
Sample : G4767-16
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N38

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	3.129	43	49	58	rBV	29757	57582	2.74%	0.317%
2	3.205	58	62	68	rVB	15169	22801	1.08%	0.126%
3	7.247	743	750	762	rBV	87397	149856	7.13%	0.826%
4	7.418	772	779	787	rBB	65861	106269	5.05%	0.586%
5	7.629	809	815	825	rVB	84281	142852	6.79%	0.787%
6	8.099	889	895	902	rVB	81841	134932	6.42%	0.743%
7	8.798	1007	1014	1024	rBV2	116305	195936	9.32%	1.080%
8	9.263	1087	1093	1102	rVB	84911	150081	7.14%	0.827%
9	9.991	1210	1217	1225	rVB	76612	133749	6.36%	0.737%
10	10.532	1301	1309	1315	rBV	117078	207225	9.86%	1.142%
11	10.919	1366	1375	1378	rBV	115489	206969	9.84%	1.140%
12	10.966	1378	1383	1390	rVV	243943	441469	21.00%	2.432%
13	11.049	1390	1397	1411	rVB	110613	215724	10.26%	1.189%
14	12.565	1648	1655	1662	rVB	162859	262732	12.50%	1.448%
15	12.782	1683	1692	1700	rVB	85505	138324	6.58%	0.762%
16	13.563	1816	1825	1831	rBV	69245	107669	5.12%	0.593%
17	13.763	1852	1859	1866	rBV	20489	35453	1.69%	0.195%
18	13.892	1874	1881	1882	rBV	26530	38281	1.82%	0.211%
19	14.045	1899	1907	1912	rBV	39128	68691	3.27%	0.378%
20	14.127	1912	1921	1925	rVV	246360	396070	18.84%	2.182%
21	14.174	1925	1929	1935	rVB	103455	146169	6.95%	0.805%
22	14.286	1942	1948	1951	rBV	15861	23296	1.11%	0.128%
23	14.421	1965	1971	1985	rVB	247923	435757	20.73%	2.401%
24	14.697	2013	2018	2019	rBV	29663	37586	1.79%	0.207%
25	14.733	2019	2024	2029	rVV2	202414	333590	15.87%	1.838%
26	14.791	2029	2034	2041	rVV	405173	632649	30.09%	3.486%
27	14.856	2041	2045	2049	rVV	23659	33244	1.58%	0.183%
28	14.909	2049	2054	2067	rVB2	112539	188823	8.98%	1.040%
29	15.038	2067	2076	2080	rBV2	15204	25109	1.19%	0.138%
30	15.126	2084	2091	2099	rVV	292231	458565	21.81%	2.527%
31	15.555	2159	2164	2168	rVV3	15314	22879	1.09%	0.126%
32	15.720	2182	2192	2196	rVV	346854	529030	25.16%	2.915%
33	15.773	2196	2201	2206	rVV	398045	584656	27.81%	3.221%
34	15.826	2206	2210	2215	rVV	112072	162607	7.73%	0.896%

LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG121515\
Data File : BG020164.D
Acq On : 14 Dec 2015 22:17
Operator : UM/SJ
Sample : G4767-16
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N38

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	15.867	2215	2217	2219	rVV2	16218	20486	0.97%	0.113%
36	15.896	2219	2222	2225	rVV2	25379	40435	1.92%	0.223%
37	15.931	2225	2228	2235	rVV2	48435	89208	4.24%	0.492%
38	15.978	2235	2236	2240	rVV2	11785	16182	0.77%	0.089%
39	16.025	2240	2244	2246	rVV	22575	32752	1.56%	0.180%
40	16.066	2246	2251	2256	rVV	51855	84079	4.00%	0.463%
41	16.207	2266	2275	2284	rVV	57840	126227	6.00%	0.695%
42	16.301	2284	2291	2298	rVB4	9216	21049	1.00%	0.116%
43	16.437	2304	2314	2320	rBV2	49952	97382	4.63%	0.537%
44	16.566	2327	2336	2343	rBV	22693	36638	1.74%	0.202%
45	16.771	2359	2371	2376	rBV2	40830	91249	4.34%	0.503%
46	16.824	2376	2380	2386	rVV4	16699	30137	1.43%	0.166%
47	16.918	2391	2396	2401	rVV3	17624	30143	1.43%	0.166%
48	16.995	2403	2409	2413	rVV2	13268	27751	1.32%	0.153%
49	17.042	2413	2417	2420	rVV3	16165	25113	1.19%	0.138%
50	17.083	2420	2424	2427	rVV3	10560	19660	0.94%	0.108%
51	17.124	2427	2431	2437	rVB3	17480	29673	1.41%	0.163%
52	17.206	2437	2445	2451	rBV5	21835	51381	2.44%	0.283%
53	17.288	2454	2459	2468	rVB	95678	148246	7.05%	0.817%
54	17.471	2482	2490	2493	rBV	278562	437155	20.79%	2.409%
55	17.518	2493	2498	2503	rVV	1353168	2102377	100.00%	11.583%
56	17.571	2503	2507	2511	rVV	406782	620140	29.50%	3.417%
57	17.606	2511	2513	2518	rVV	90884	108843	5.18%	0.600%
58	17.870	2547	2558	2567	rBV	81507	134350	6.39%	0.740%
59	17.988	2574	2578	2582	rVV2	21262	28102	1.34%	0.155%
60	18.046	2586	2588	2598	rVB4	8231	16065	0.76%	0.089%
61	18.193	2608	2613	2621	rVB3	7982	17887	0.85%	0.099%
62	18.346	2634	2639	2643	rBV	131770	195314	9.29%	1.076%
63	18.393	2643	2647	2654	rVB	113328	160543	7.64%	0.885%
64	18.475	2654	2661	2665	rVB2	30462	47130	2.24%	0.260%
65	18.546	2665	2673	2677	rBV2	156113	280962	13.36%	1.548%
66	18.769	2708	2711	2717	rVB6	11478	18210	0.87%	0.100%
67	18.840	2717	2723	2727	rVV	67484	97165	4.62%	0.535%
68	18.881	2727	2730	2740	rVV5	13774	20339	0.97%	0.112%
69	19.251	2788	2793	2798	rBV2	19667	34570	1.64%	0.190%
70	19.392	2812	2817	2825	rVB6	9150	21977	1.05%	0.121%
71	19.521	2831	2839	2844	rVB	789138	1144778	54.45%	6.307%

LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG121515\
Data File : BG020164.D
Acq On : 14 Dec 2015 22:17
Operator : UM/SJ
Sample : G4767-16
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N38

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	19.609	2850	2854	2859	rVB3	26777	34252	1.63%	0.189%
73	19.762	2873	2880	2888	rVB3	28015	45077	2.14%	0.248%
74	19.850	2888	2895	2898	rBV2	582571	974104	46.33%	5.367%
75	19.880	2898	2900	2907	rVV	501547	622708	29.62%	3.431%
76	19.944	2907	2911	2918	rVB2	21858	34839	1.66%	0.192%
77	20.050	2924	2929	2936	rVB	25294	36549	1.74%	0.201%
78	20.191	2944	2953	2960	rBV3	23981	66117	3.14%	0.364%
79	20.250	2960	2963	2968	rVB2	15654	21198	1.01%	0.117%
80	20.332	2968	2977	2978	rBV5	14160	26204	1.25%	0.144%
81	20.367	2978	2983	2988	rVB	81152	115713	5.50%	0.638%
82	20.461	2994	2999	3004	rBV	84623	119960	5.71%	0.661%
83	20.526	3004	3010	3013	rVV3	19617	35036	1.67%	0.193%
84	20.743	3037	3047	3054	rBV2	110983	160499	7.63%	0.884%
85	21.319	3140	3145	3148	rBV	19691	29367	1.40%	0.162%
86	21.366	3148	3153	3157	rVV2	72649	113972	5.42%	0.628%
87	21.401	3157	3159	3166	rVV2	22312	42606	2.03%	0.235%
88	21.742	3205	3217	3222	rBV2	353799	751898	35.76%	4.143%
89	21.789	3222	3225	3233	rVB	81096	122393	5.82%	0.674%
90	21.942	3245	3251	3259	rBV2	20147	36380	1.73%	0.200%
91	22.153	3281	3287	3296	rVB3	12301	23498	1.12%	0.129%
92	23.234	3460	3471	3478	rBV10	8438	27011	1.28%	0.149%
93	23.440	3500	3506	3514	rVB	31671	64988	3.09%	0.358%
94	23.969	3589	3596	3604	rBV	21321	64687	3.08%	0.356%
95	24.786	3726	3735	3744	rVV	233824	623724	29.67%	3.437%
96	24.850	3744	3746	3755	rVB	14718	29107	1.38%	0.160%
97	25.015	3763	3774	3784	rBV2	175023	500037	23.78%	2.755%
98	26.172	3965	3971	3981	rVB5	11655	32606	1.55%	0.180%
99	27.559	4195	4207	4218	rBV6	12290	46230	2.20%	0.255%
100	29.216	4479	4489	4490	rBV7	8885	18811	0.89%	0.104%

Sum of corrected areas: 18149894

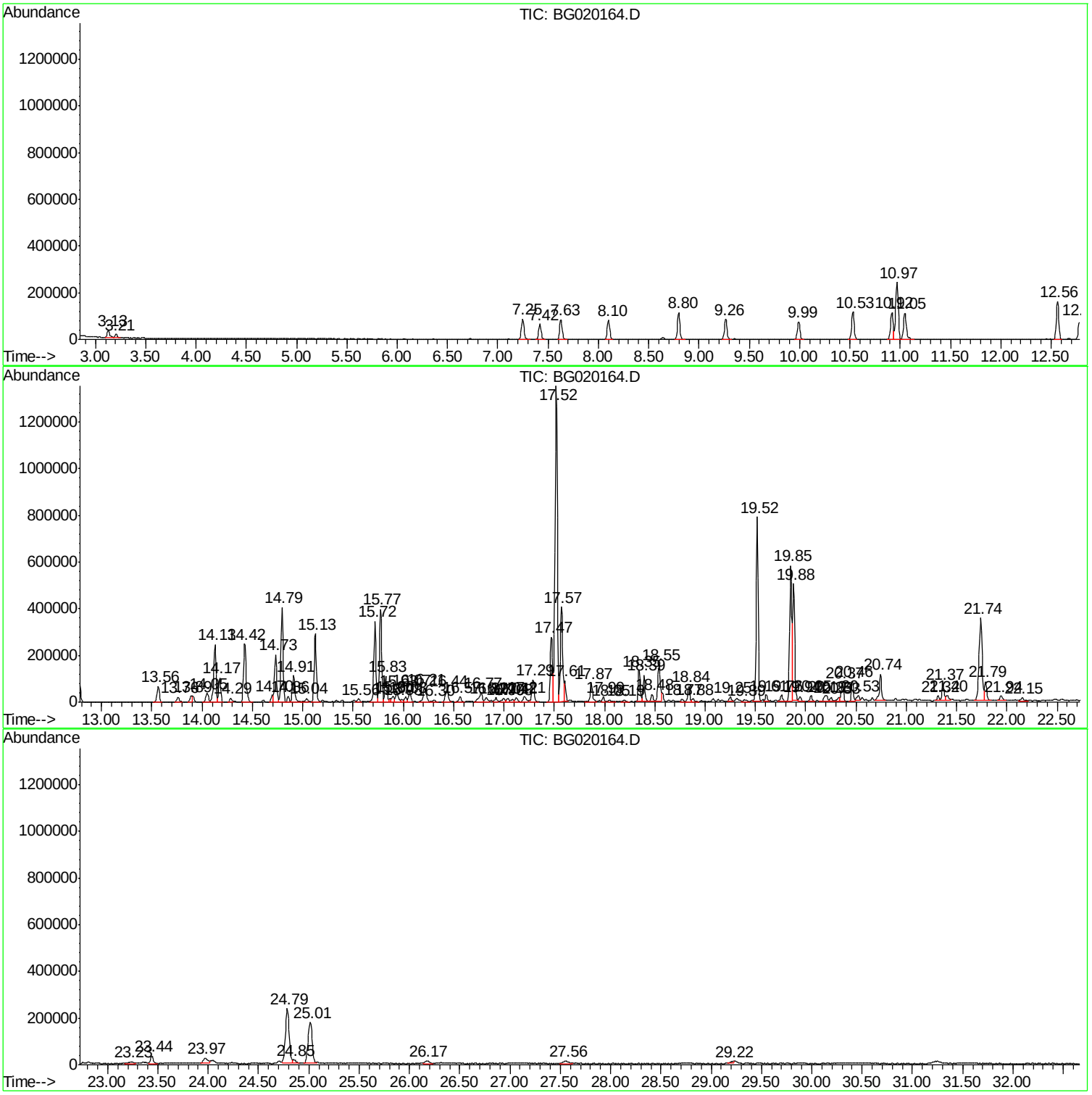
LSC Report - Integrated Chromatogram

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG121515\
Data File : BG020164.D
Acq On : 14 Dec 2015 22:17
Operator : UM/SJ
Sample : G4767-16
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N38

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\BG121515\
Data File : BG020164.D
Acq On : 14 Dec 2015 22:17
Operator : UM/SJ
Sample : G4767-16
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N38

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

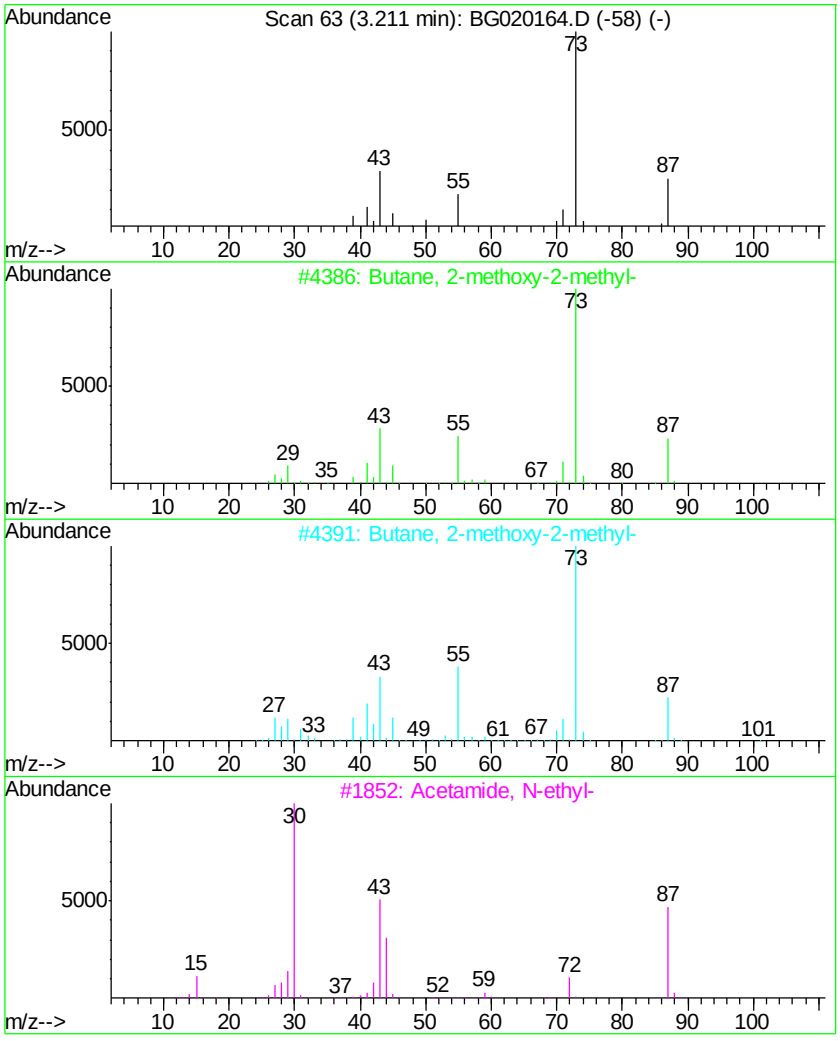
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

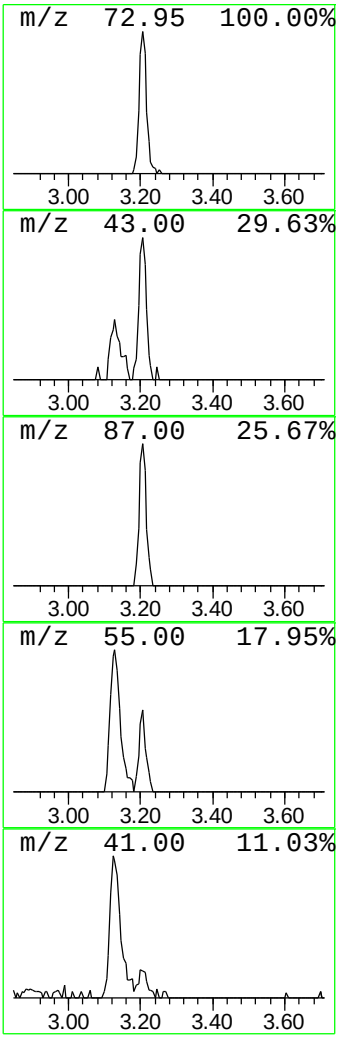
****

Peak Number 2 Butane, 2-methoxy-2-methyl- Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.21	3.38 ng/ul	22801	1,4-Dichlorobenzene-d4	8.10

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Butane, 2-methoxy-2-methyl-	102	C6H14O	000994-05-8	72
2	Butane, 2-methoxy-2-methyl-	102	C6H14O	000994-05-8	72
3	Acetamide, N-ethyl-	87	C4H9NO	000625-50-3	10
4	Acetamide, N-ethyl-	87	C4H9NO	000625-50-3	9
5	1,3-Dioxolane, 2-methyl-	88	C4H8O2	000497-26-7	9





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG121515\
Data File : BG020164.D
Acq On : 14 Dec 2015 22:17
Operator : UM/SJ
Sample : G4767-16
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N38

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

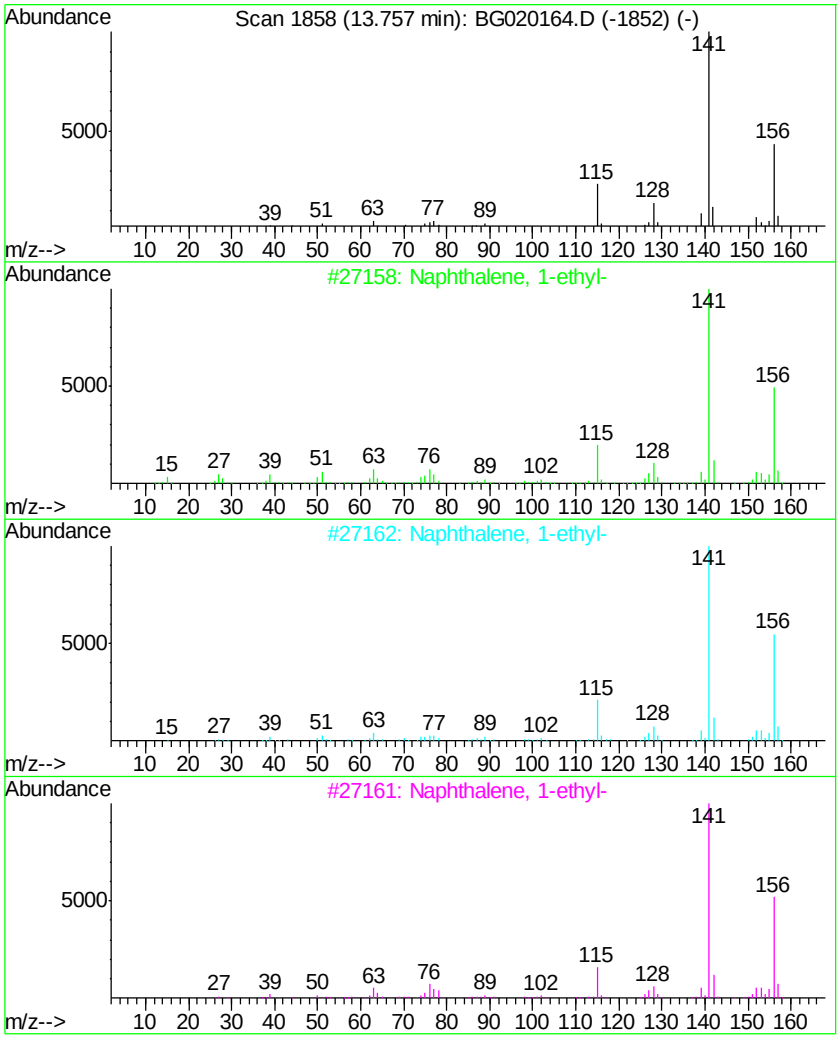
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

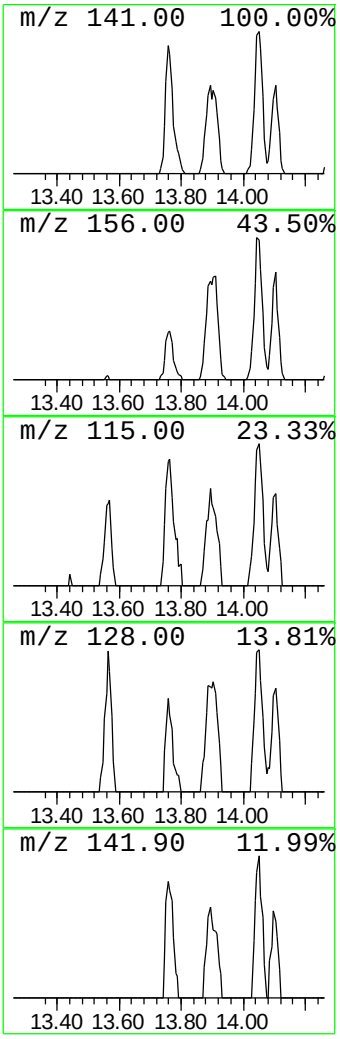
****

Peak Number 3 Naphthalene, 1-ethyl- Concentration Rank 23

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.76	2.13 ng/ul	35453	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, 2-ethyl-	156	C12H12	000939-27-5	90
5	Naphthalene, 2-ethyl-	156	C12H12	000939-27-5	90





Data Path : Z:\HPCHEM1\BNA_G\DATA\BG121515\
Data File : BG020164.D
Acq On : 14 Dec 2015 22:17
Operator : UM/SJ
Sample : G4767-16
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N38

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

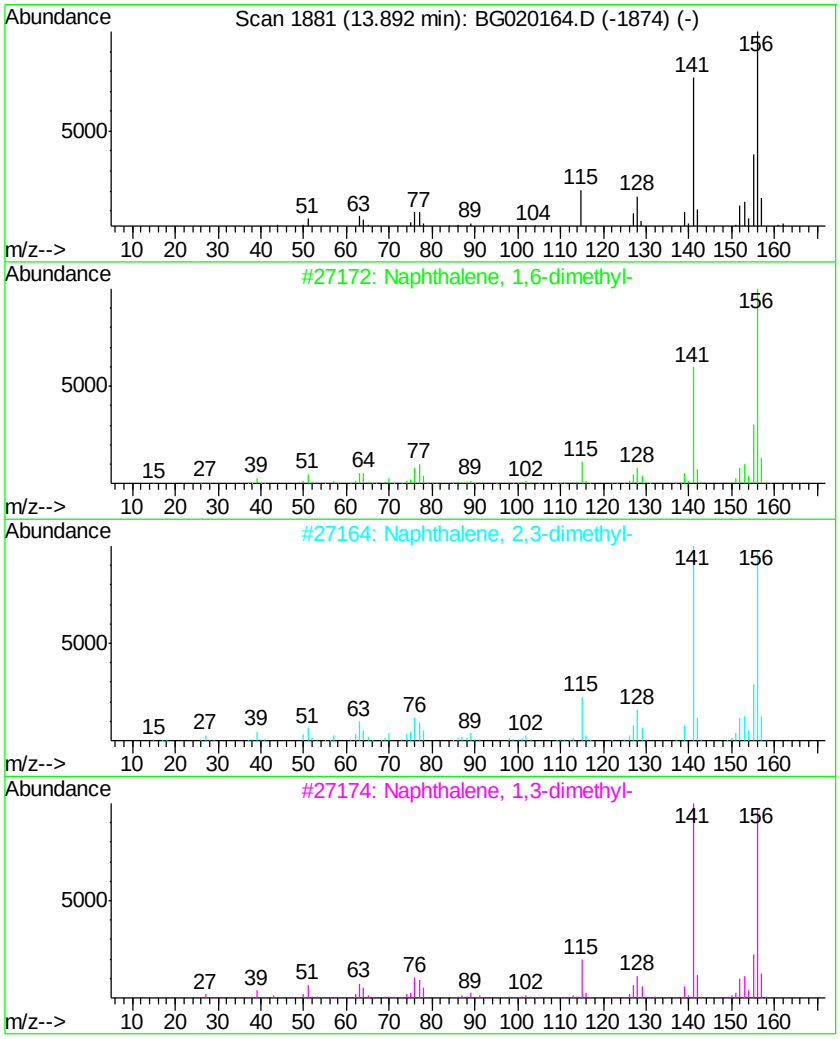
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

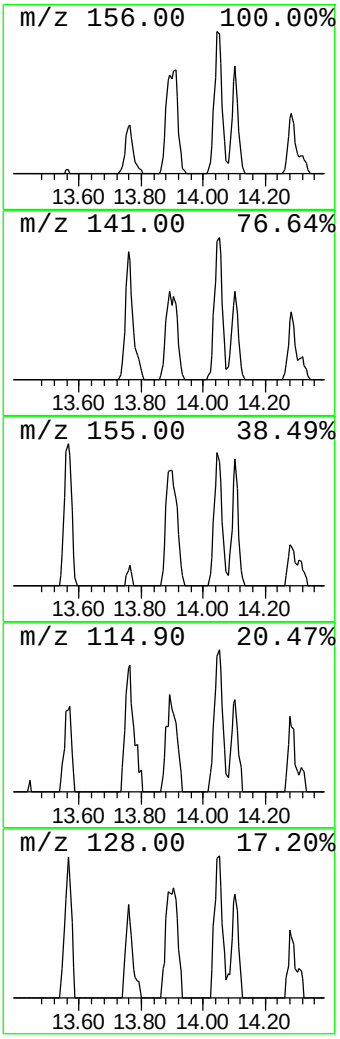
****

Peak Number 4 Naphthalene, 1,6-dimethyl- Concentration Rank 21

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.89	2.30 ng/ul	38281	Acenaphthene-d10	14.73

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	96
2	Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	96
3	Naphthalene, 1,3-dimethyl-	156	C12H12	000575-41-7	96
4	Naphthalene, 2,7-dimethyl-	156	C12H12	000582-16-1	95
5	Naphthalene, 2,6-dimethyl-	156	C12H12	000581-42-0	95





Data Path : Z:\HPCHEM1\BNA_G\DATA\BG121515\
Data File : BG020164.D
Acq On : 14 Dec 2015 22:17
Operator : UM/SJ
Sample : G4767-16
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N38

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

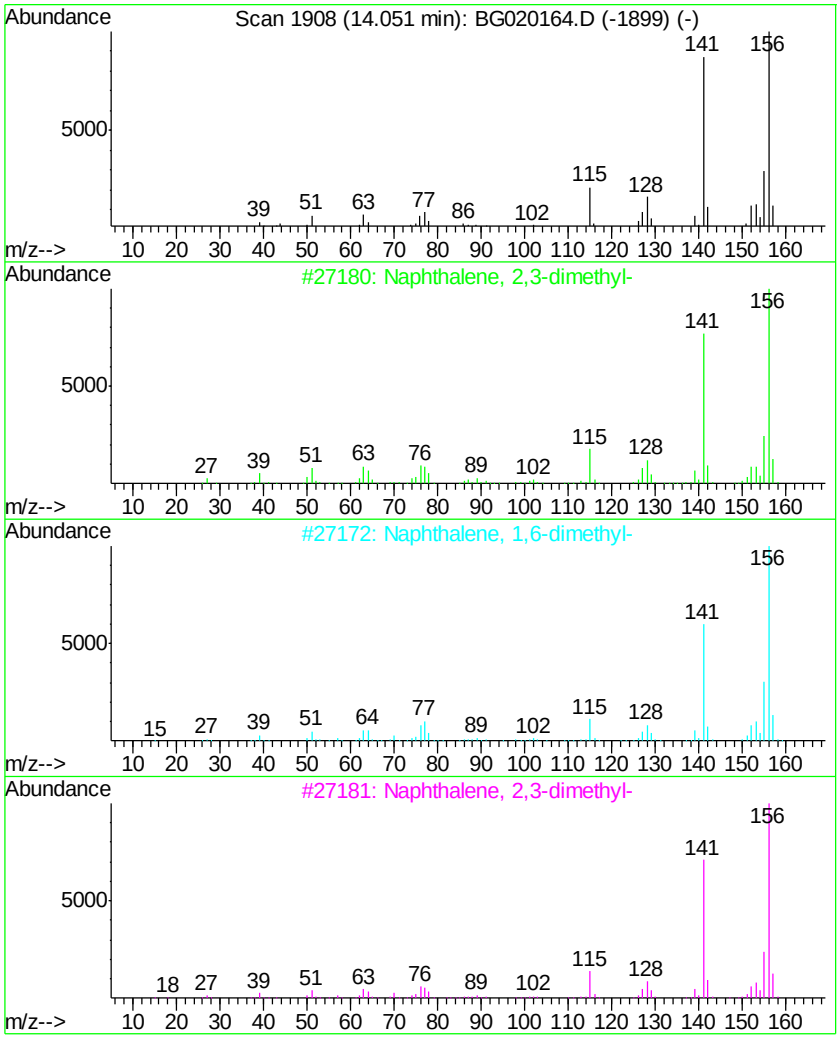
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

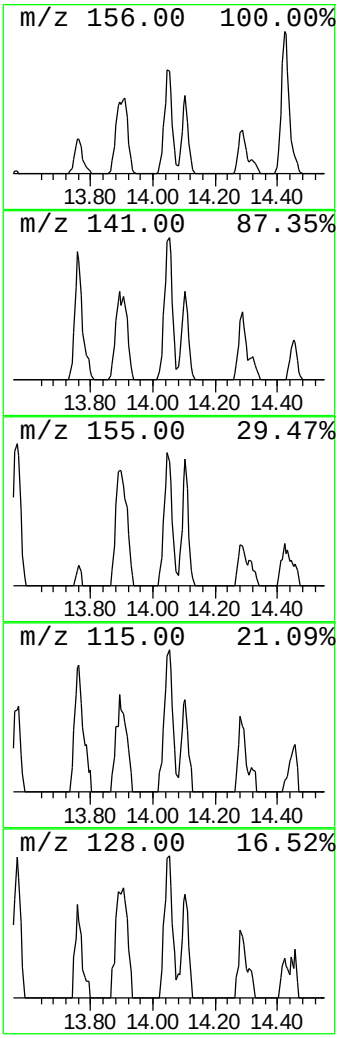
****

Peak Number 5 Naphthalene, 2,3-dimethyl- Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.05	4.12 ng/ul	68691	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, 1,6-dimethyl-	156	C12H12	000575-43-9	97
3	Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	96
4	Naphthalene, 2,6-dimethyl-	156	C12H12	000581-42-0	96
5	Naphthalene, 2,7-dimethyl-	156	C12H12	000582-16-1	96





Data Path : Z:\HPCHEM1\BNA_G\DATA\BG121515\
Data File : BG020164.D
Acq On : 14 Dec 2015 22:17
Operator : UM/SJ
Sample : G4767-16
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N38

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

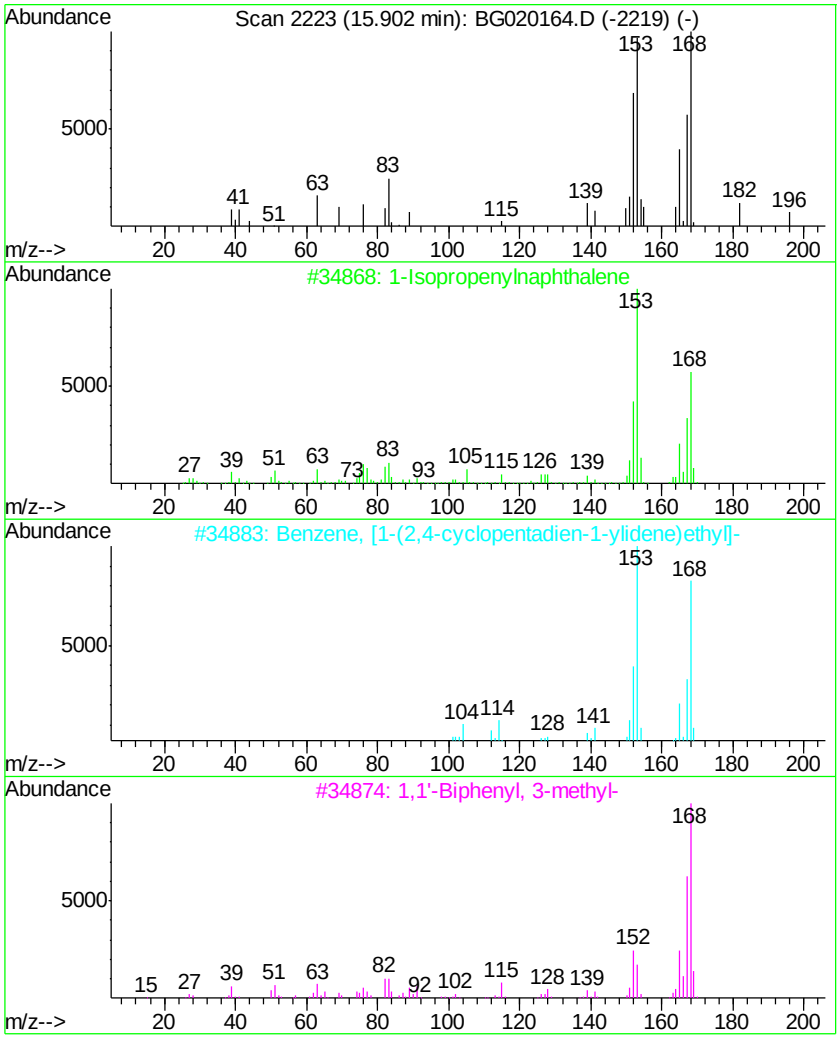
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

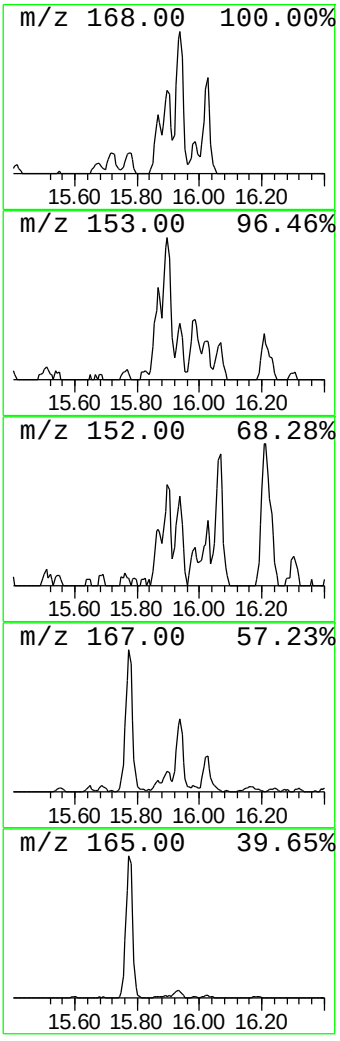
****

Peak Number 6 1-Isopropenylnaphthalene Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.90	2.42 ng/ul	40435	Acenaphthene-d10	14.73

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Isopropenylnaphthalene	168	C13H12	001855-47-6	76
2	Benzene, [1-(2,4-cyclopentadien-...	168	C13H12	002320-32-3	45
3	1,1'-Biphenyl, 3-methyl-	168	C13H12	000643-93-6	38
4	1,1'-Biphenyl, 3-methyl-	168	C13H12	000643-93-6	38
5	Naphthalene, 2-(1-methylethenyl)-	168	C13H12	003710-23-4	38





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Acq On : 14 Dec 2015 22:17
Operator : UM/SJ
Sample : G4767-16
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N38

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Quant Title : SVOA CALIBRATION

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

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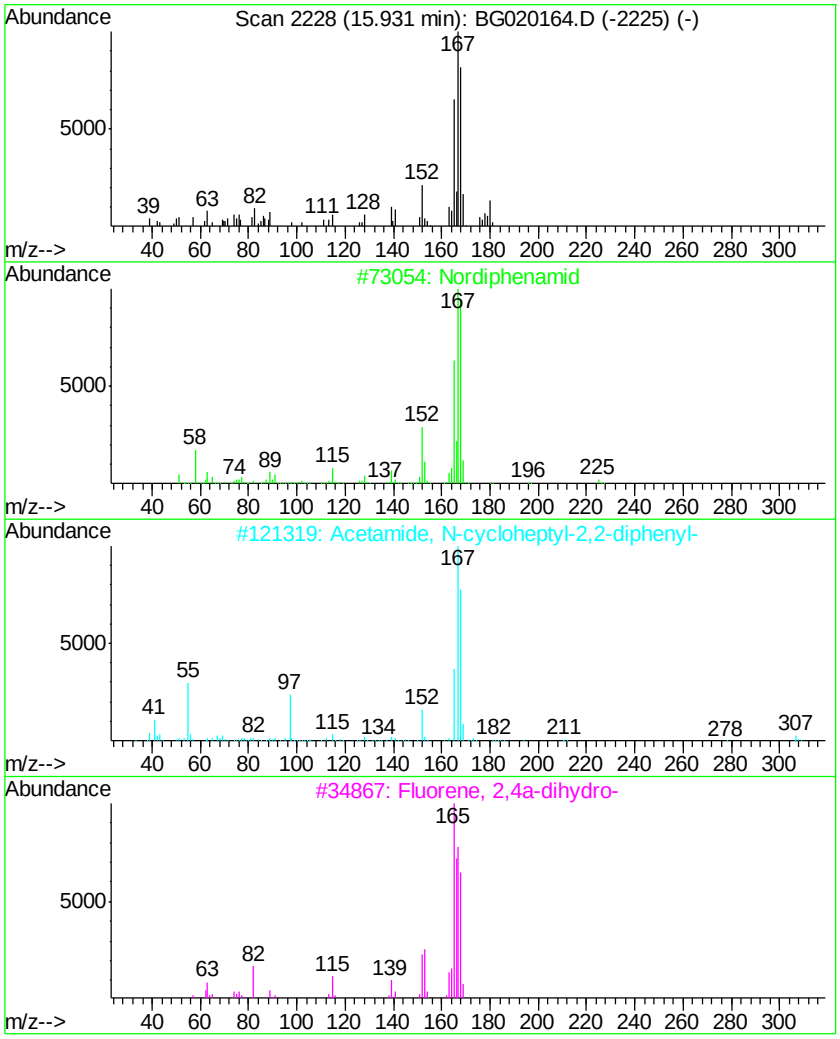
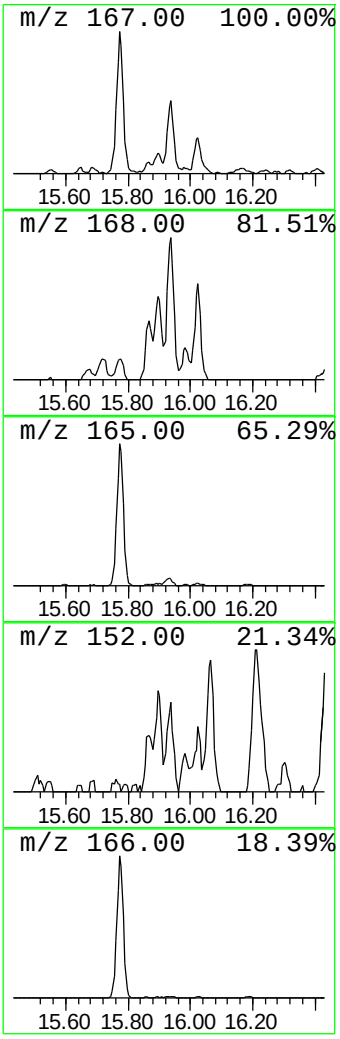
Peak Number 7 Nordiphenamid Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.93	5.35 ng/ul	89208	Acenaphthene-d10	14.73

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Nordiphenamid	225	C15H15NO	000954-21-2	86
2	Acetamide, N-cycloheptyl-2,2-dip...	307	C21H25NO	351062-01-6	59
3	Fluorene, 2,4a-dihydro-	168	C13H12	059247-36-8	58
4	1,1'-Biphenyl, 2-methyl-	168	C13H12	000643-58-3	58
5	1,1'-Biphenyl, 2-methyl-	168	C13H12	000643-58-3	58





Library Search Compound Report

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Sample : G4767-16
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N38

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Quant Title : SVOA CALIBRATION

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

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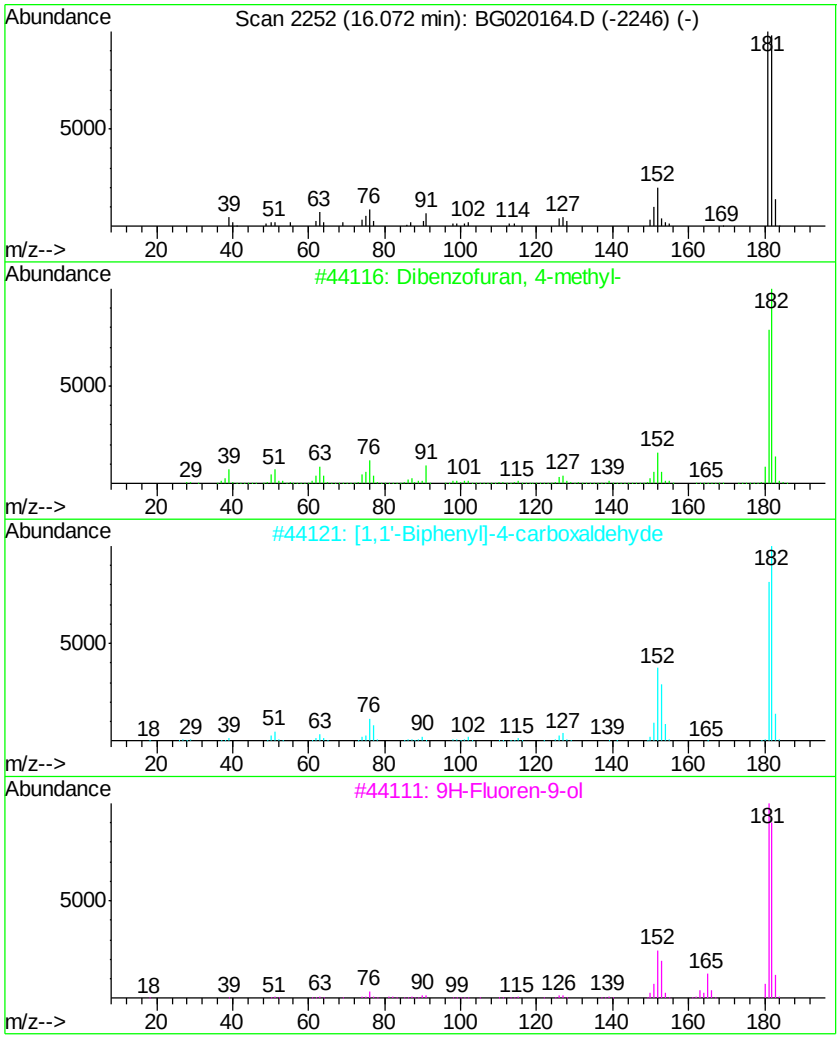
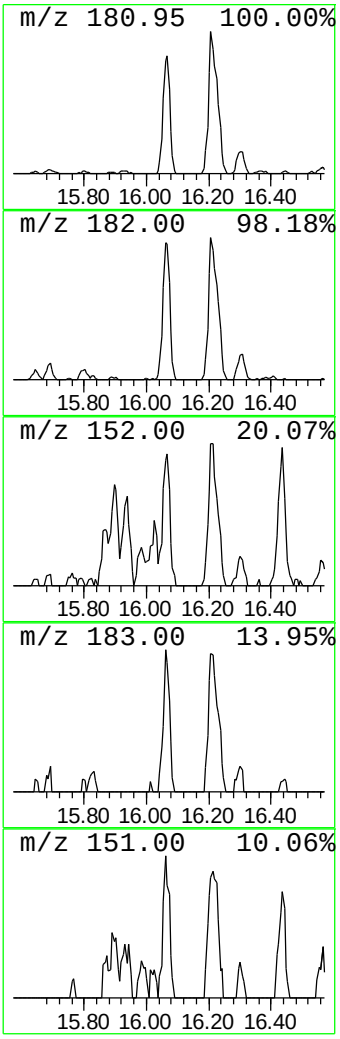
Peak Number 8 Dibenzofuran, 4-methyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.07	5.04 ng/ul	84079	Acenaphthene-d10	14.73

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dibenzofuran, 4-methyl-	182	C13H10O	007320-53-8	90
2	[1,1'-Biphenyl]-4-carboxaldehyde	182	C13H10O	003218-36-8	87
3	9H-Fluoren-9-ol	182	C13H10O	001689-64-1	86
4	2,4,6-Cycloheptatrien-1-one, 2-p...	182	C13H10O	014562-09-5	86
5	9H-Fluoren-9-ol	182	C13H10O	001689-64-1	78





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Sample : G4767-16
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N38

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Quant Title : SVOA CALIBRATION

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

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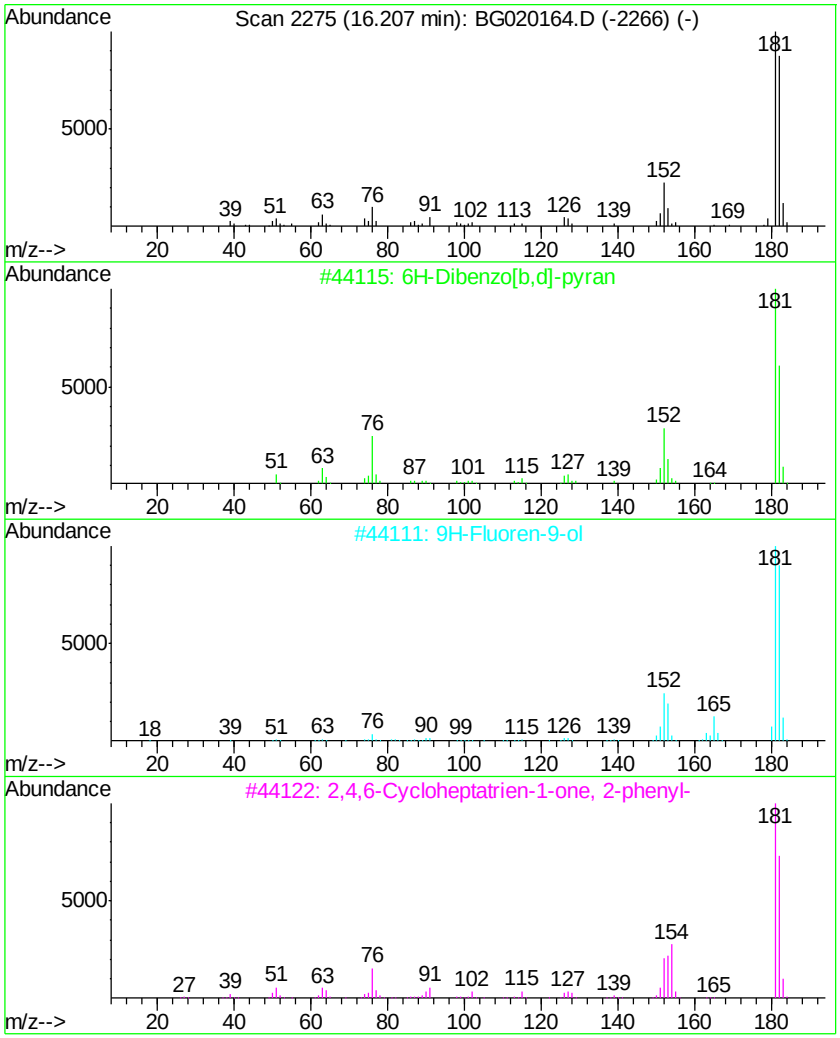
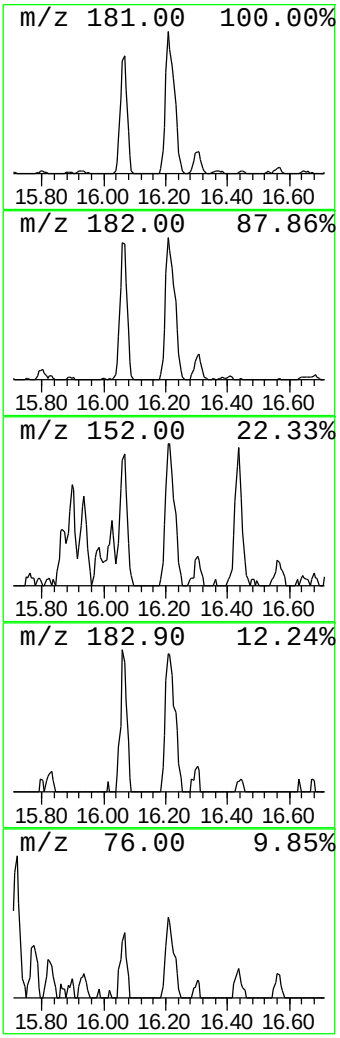
Peak Number 9 6H-Dibenzo[b,d]-pyran Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.21	5.77 ng/ul	126227	Phenanthrene-d10	17.47

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	6H-Dibenzo[b,d]-pyran	182	C13H10O	000229-95-8	91
2	9H-Fluoren-9-ol	182	C13H10O	001689-64-1	86
3	2,4,6-Cycloheptatrien-1-one, 2-p...	182	C13H10O	014562-09-5	83
4	2,4,6-Cycloheptatrien-1-one, 2-p...	182	C13H10O	014562-09-5	80
5	2,4,6-Cycloheptatrien-1-one, 2-p...	182	C13H10O	014562-09-5	72





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Acq On : 14 Dec 2015 22:17
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Sample : G4767-16
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N38

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Quant Title : SVOA CALIBRATION

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

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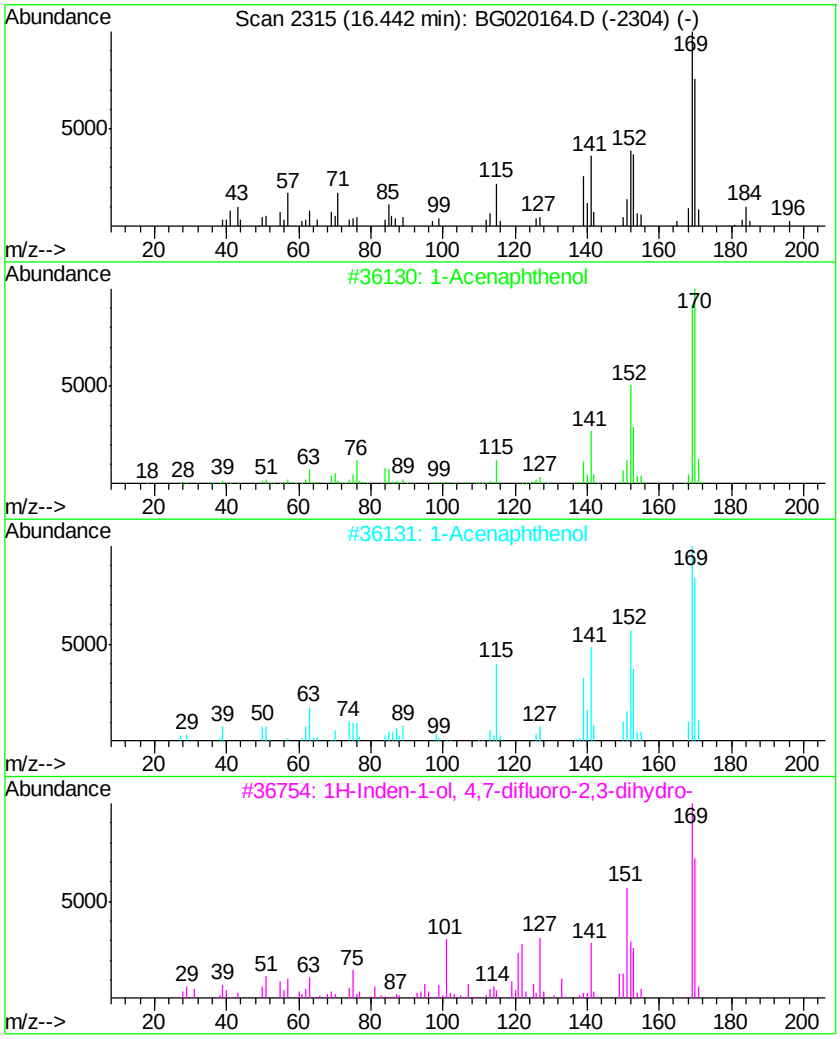
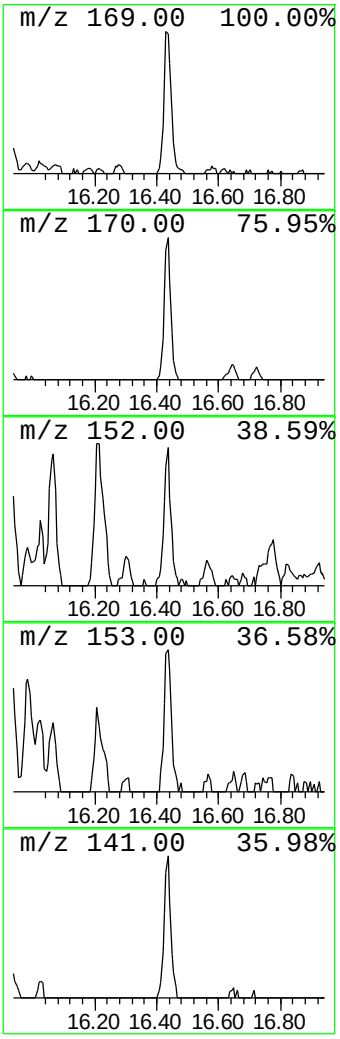
Peak Number 10 1-Acenaphthenol Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.44	4.46 ng/ul	97382	Phenanthrene-d10	17.47

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Acenaphthenol	170	C12H10O	006306-07-6	94
2	1-Acenaphthenol	170	C12H10O	006306-07-6	94
3	1H-Inden-1-ol, 4,7-difluoro-2,3-...	170	C9H8F2O	130408-17-2	72
4	o-Hydroxybiphenyl	170	C12H10O	000090-43-7	47
5	Benzaldehyde, 2-fluoro-5-hydroxy...	170	C8H7FO3	079418-76-1	46





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Sample : G4767-16
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N38

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Quant Title : SVOA CALIBRATION

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

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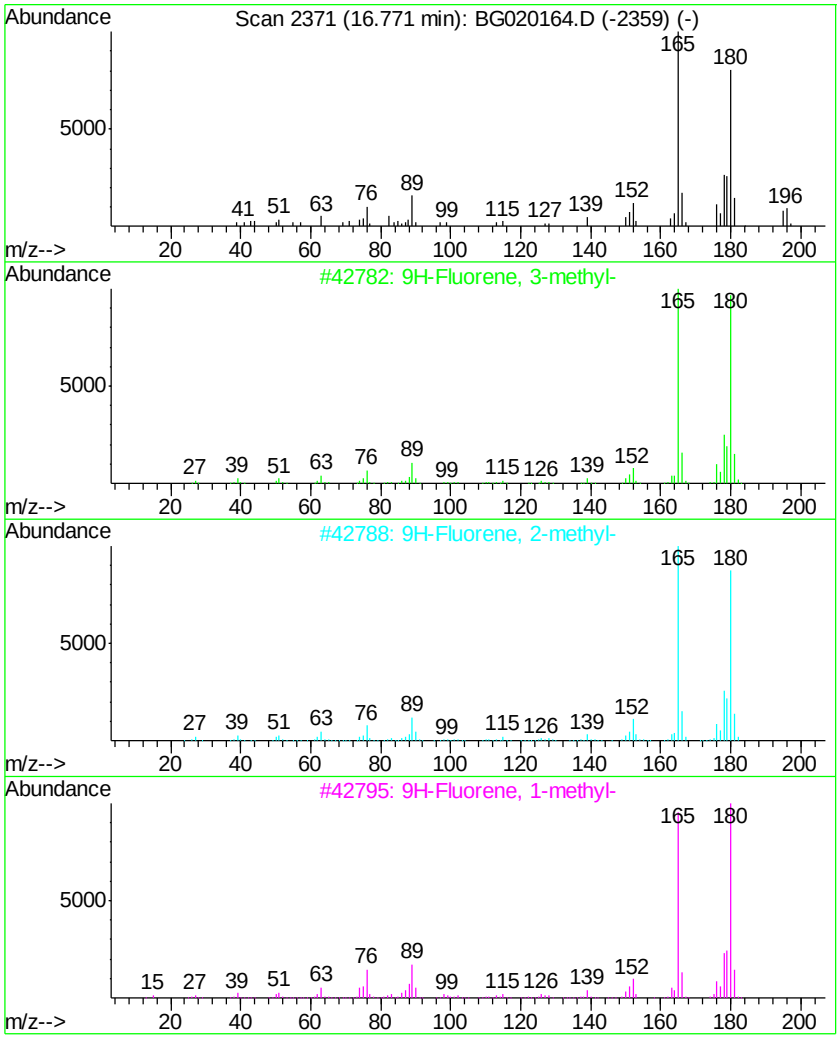
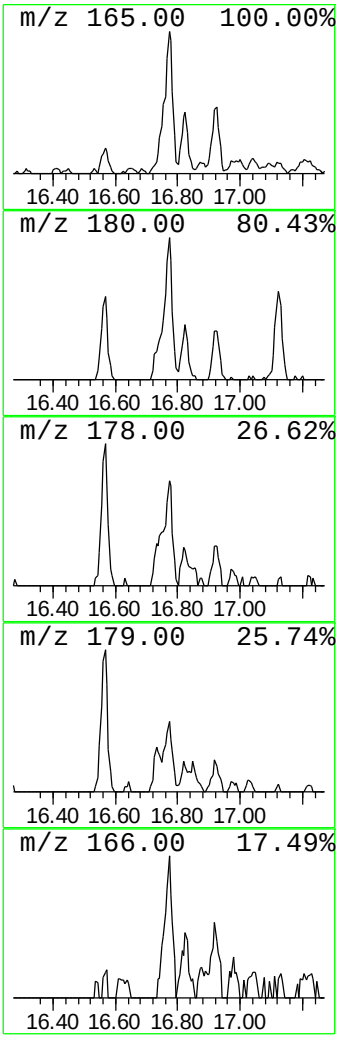
Peak Number 11 9H-Fluorene, 3-methyl- Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.77	4.17 ng/ul	91249	Phenanthrene-d10	17.47

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9H-Fluorene, 3-methyl-	180	C14H12	002523-39-9	95
2	9H-Fluorene, 2-methyl-	180	C14H12	001430-97-3	93
3	9H-Fluorene, 1-methyl-	180	C14H12	001730-37-6	91
4	9H-Fluorene, 1-methyl-	180	C14H12	001730-37-6	91
5	9H-Fluorene, 2-methyl-	180	C14H12	001430-97-3	91





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Sample : G4767-16
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N38

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Quant Title : SVOA CALIBRATION

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

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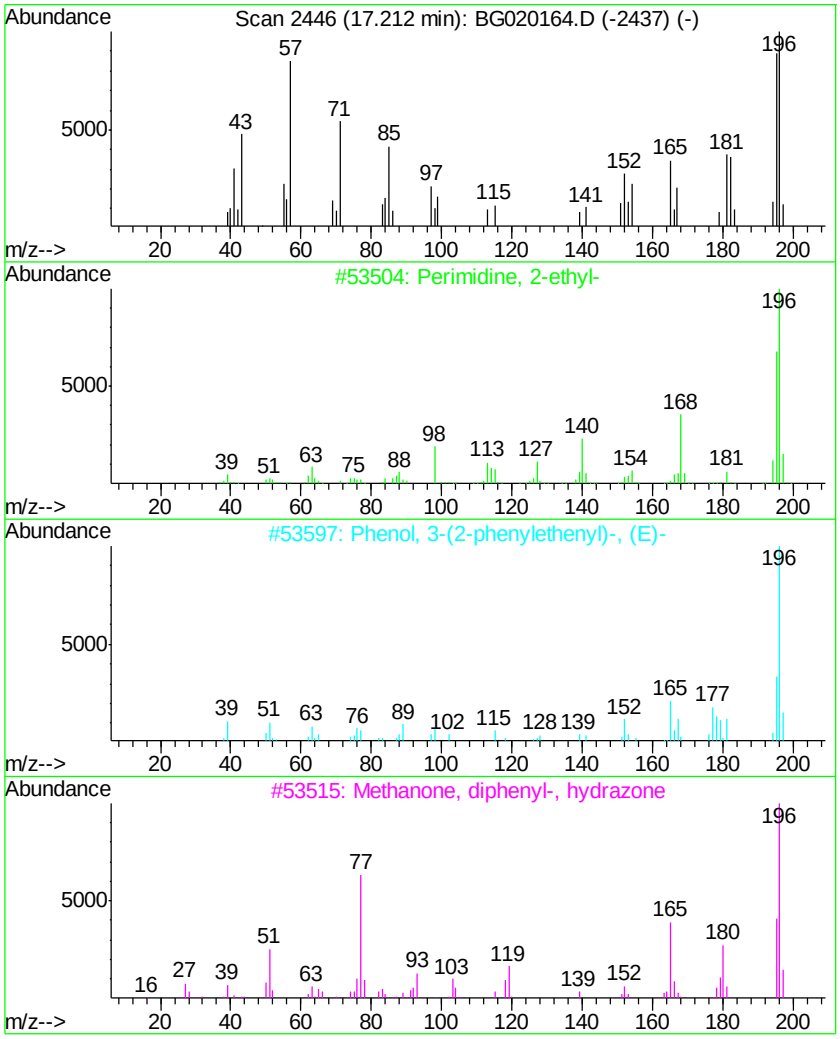
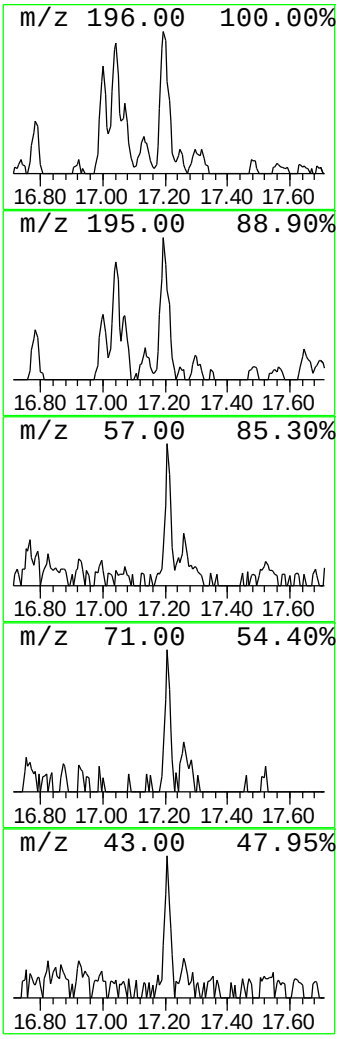
Peak Number 12 unknown-01 Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.21	2.35 ng/ul	51381	Phenanthrene-d10	17.47

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Perimidine, 2-ethyl-	196	C13H12N2	028478-13-9	45
2	Phenol, 3-(2-phenylethenyl)-, (E)-	196	C14H12O	017861-18-6	38
3	Methanone, diphenyl-, hydrazone	196	C13H12N2	005350-57-2	38
4	Naphtho[2,1-b]furan, 1,2-dimethyl-	196	C14H12O	129812-23-3	30
5	Phenol, 4-(2-phenylethenyl)-, (E)-	196	C14H12O	006554-98-9	27





Library Search Compound Report

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Operator : UM/SJ
Sample : G4767-16
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N38

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Quant Title : SVOA CALIBRATION

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

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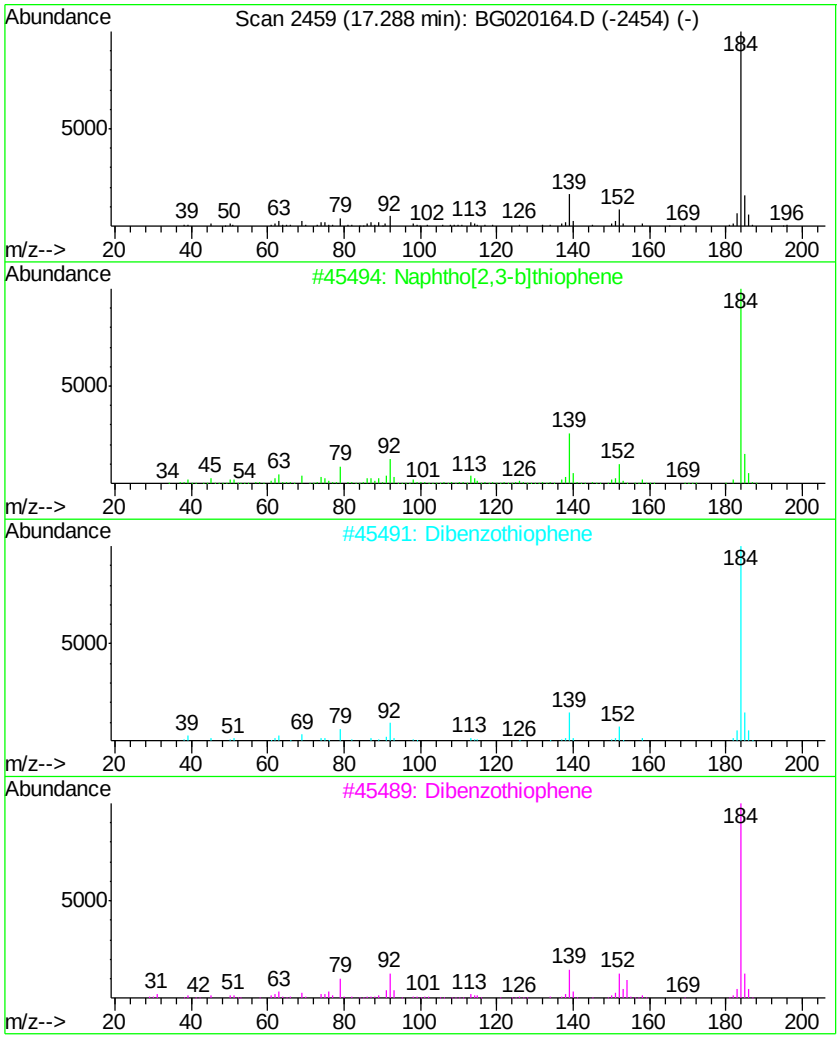
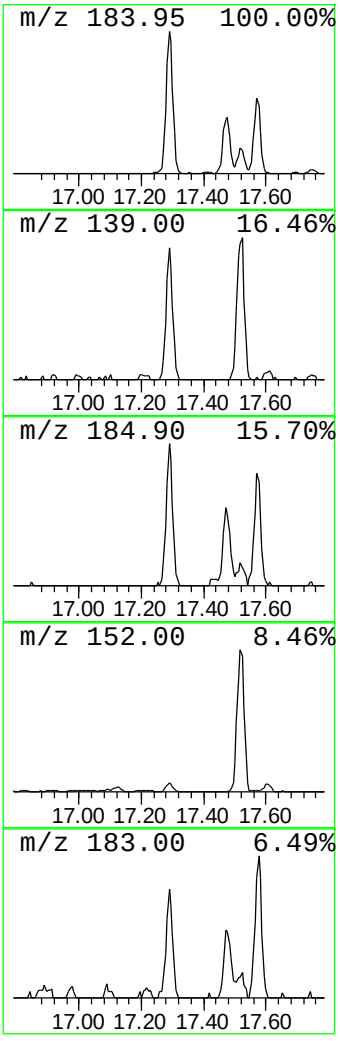
Peak Number 13 Naphtho[2,3-b]thiophene Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.29	6.78 ng/ul	148246	Phenanthrene-d10	17.47

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphtho[2,3-b]thiophene	184	C12H8S	000268-77-9	95
2	Dibenzothiophene	184	C12H8S	000132-65-0	93
3	Dibenzothiophene	184	C12H8S	000132-65-0	91
4	Dibenzothiophene	184	C12H8S	000132-65-0	91
5	Azuleno(2,1-b)thiophene	184	C12H8S	000248-13-5	90





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Sample : G4767-16
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N38

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Quant Title : SVOA CALIBRATION

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

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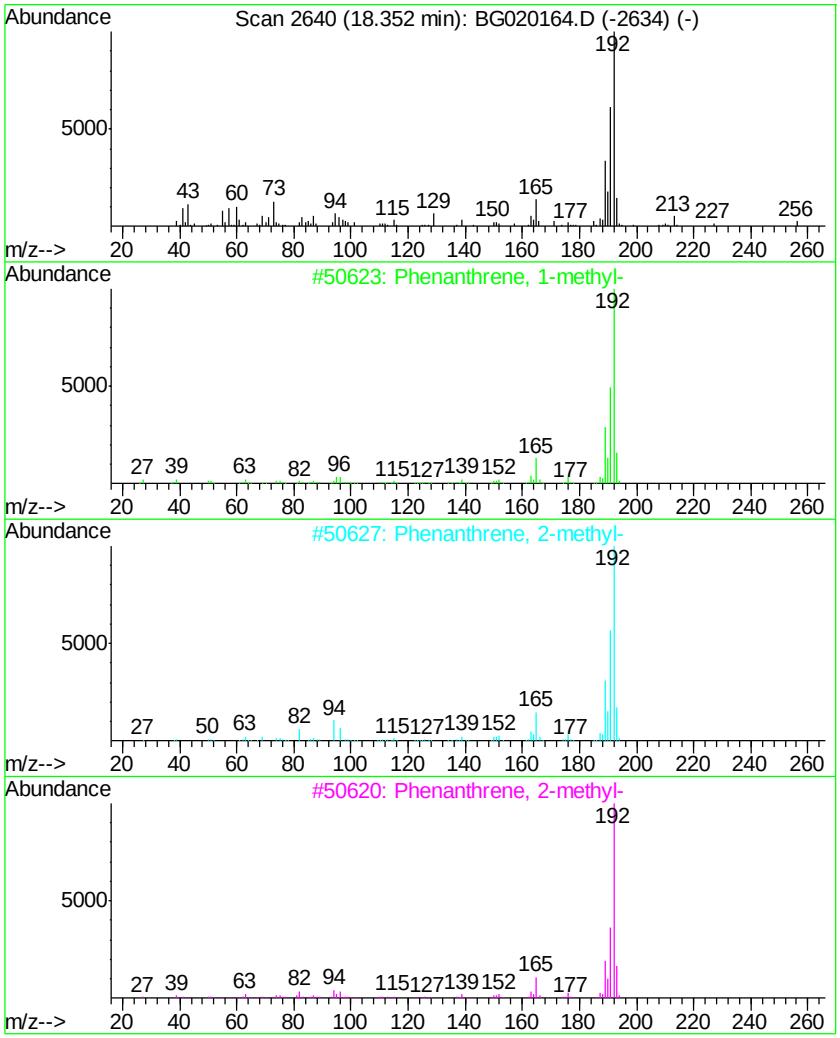
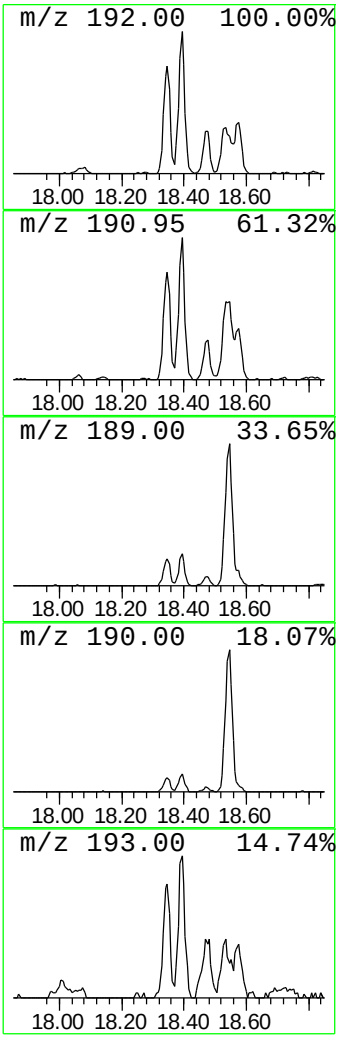
Peak Number 14 Phenanthrene, 1-methyl- Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.35	8.94 ng/ul	195314	Phenanthrene-d10	17.47

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	96
2	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	94
3	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	93
4	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	93
5	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	93





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Operator : UM/SJ
Sample : G4767-16
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N38

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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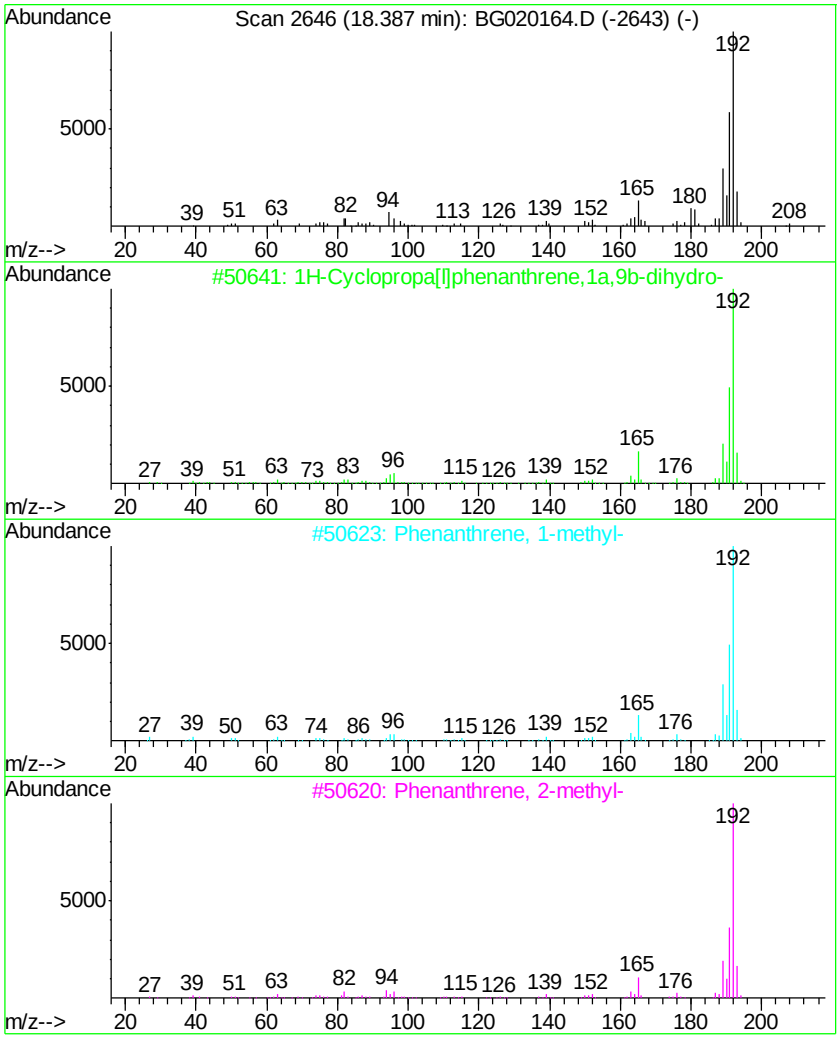
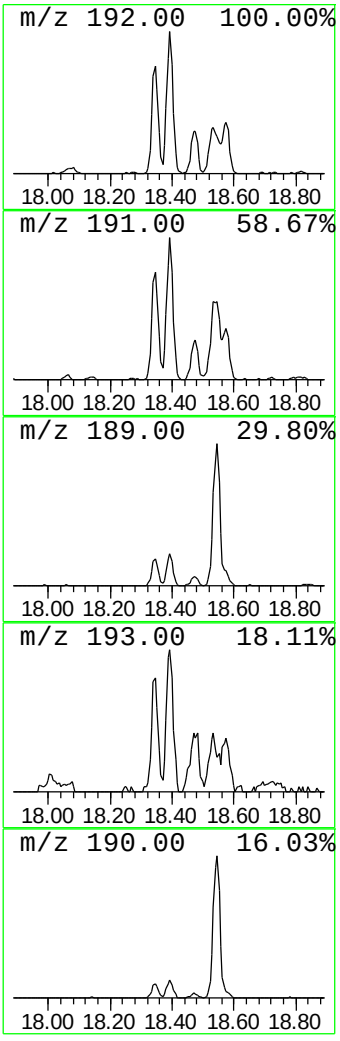
Peak Number 15 1H-Cyclopropa[l]phenanthren... Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.39	7.34 ng/ul	160543	Phenanthrene-d10	17.47

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	96
2	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	96
3	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	95
4	Anthracene, 9-methyl-	192	C15H12	000779-02-2	95
5	Anthracene, 1-methyl-	192	C15H12	000610-48-0	95





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Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N38

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Quant Title : SVOA CALIBRATION

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

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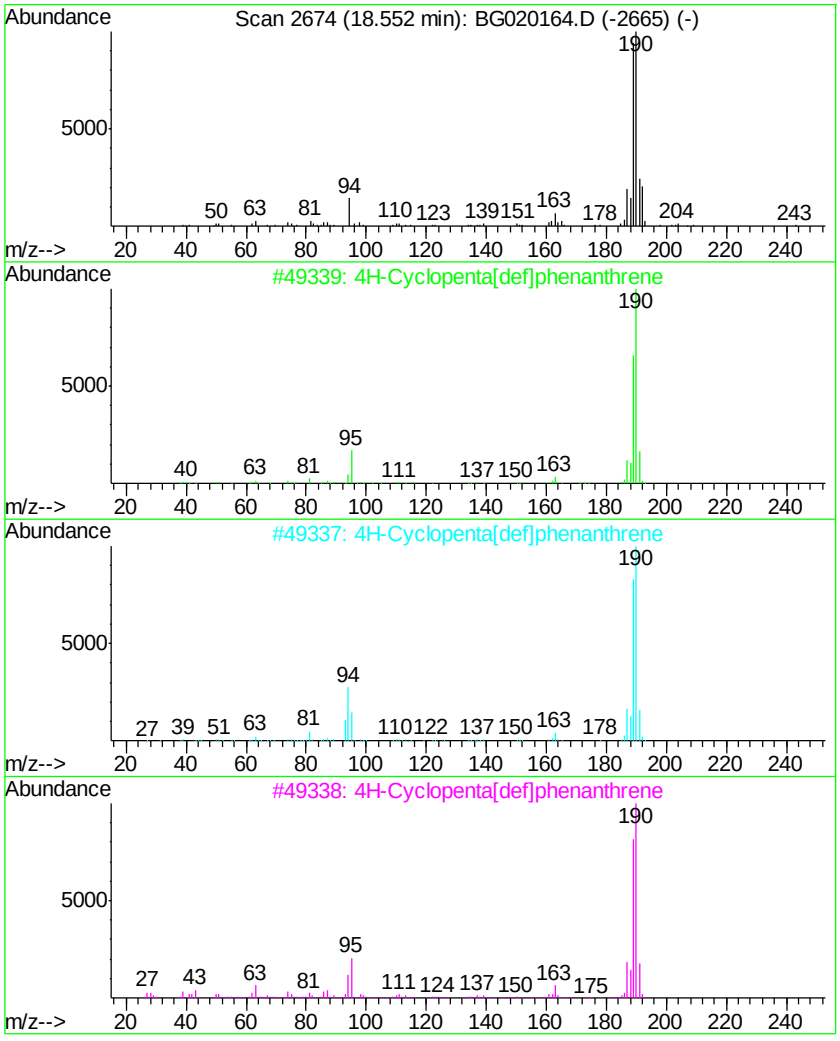
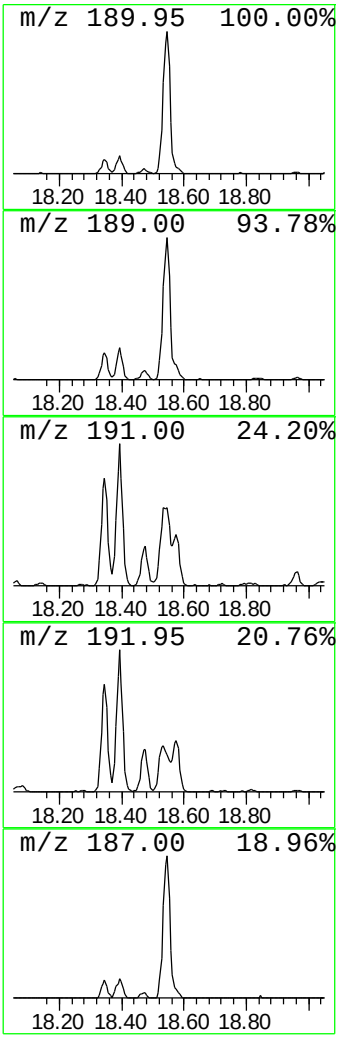
Peak Number 17 4H-Cyclopenta[def]phenanthrene Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.55	12.85 ng/ul	280962	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	87
3	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	83
4	6H-Cyclobuta[jk]phenanthrene	190	C15H10	083469-43-6	72
5	2,3,5,6-Tetramethylterephthalald...	190	C12H14O2	007072-01-7	53





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Quant Title : SVOA CALIBRATION

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

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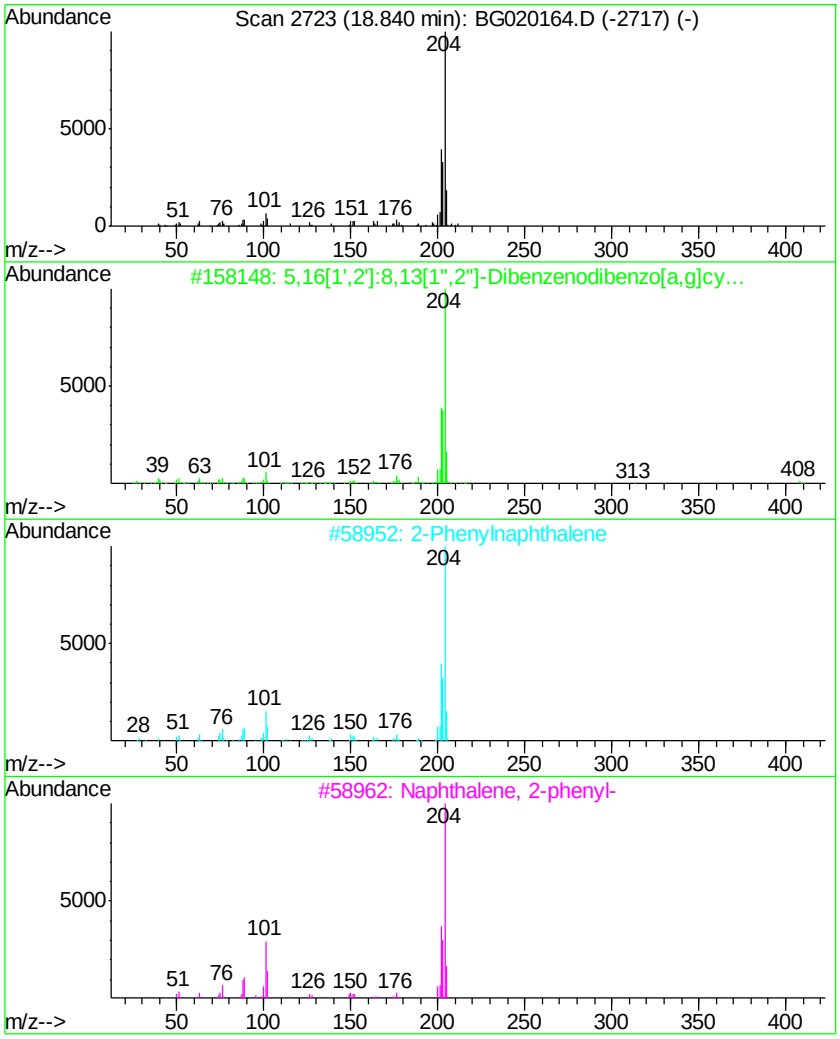
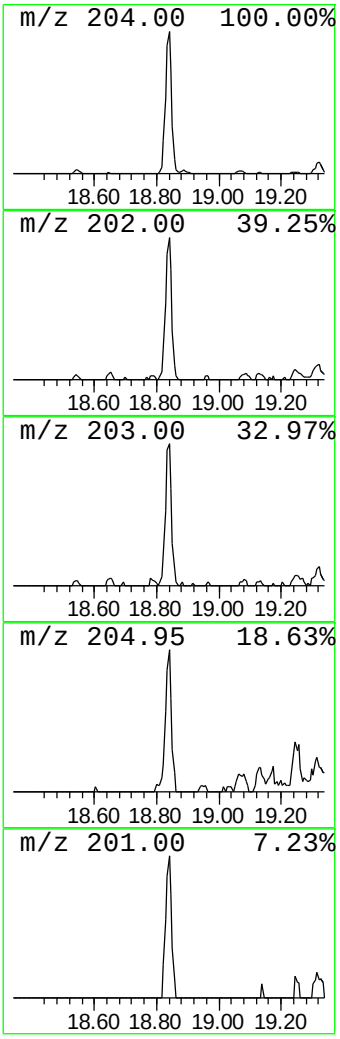
Peak Number 18 5,16[1',2']:8,13[1'',2'']-D... Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.84	4.45 ng/ul	97165	Phenanthrene-d10	17.47

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	5,16[1',2']:8,13[1'',2'']-Dibenz...	408	C32H24	005672-97-9	90
2	2-Phenylnaphthalene	204	C16H12	035465-71-5	86
3	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	70
4	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	70
5	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	64





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Acq On : 14 Dec 2015 22:17
Operator : UM/SJ
Sample : G4767-16
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N38

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

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

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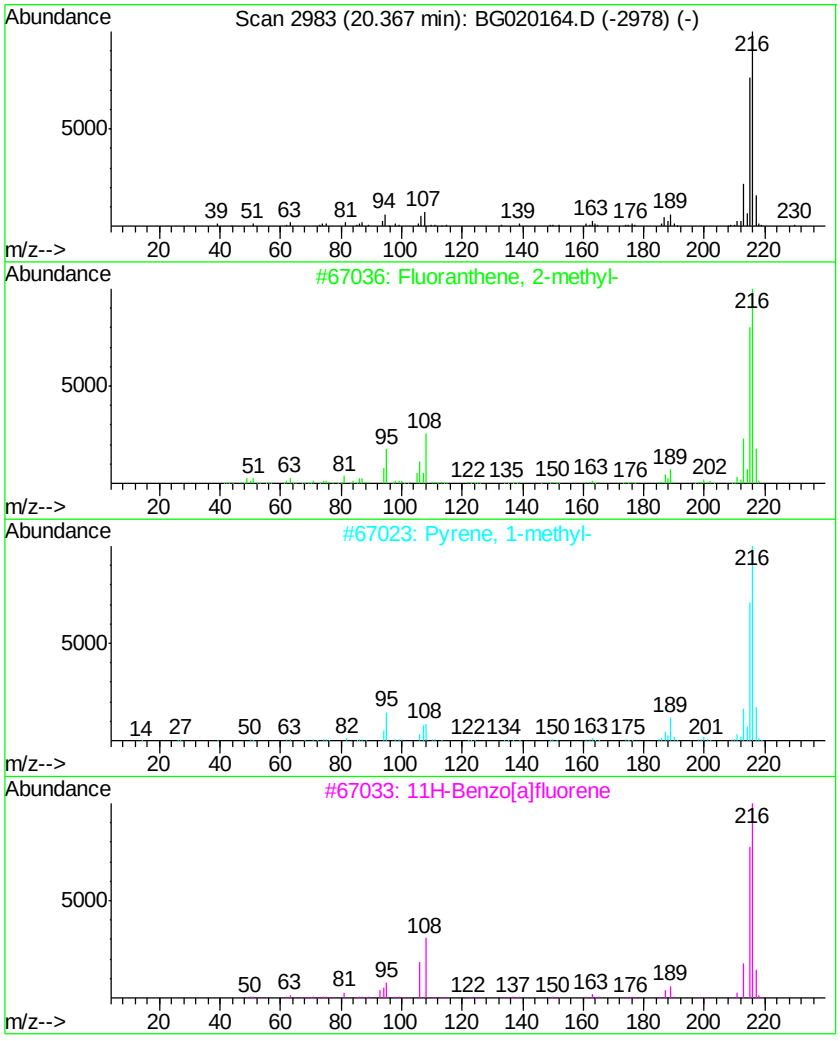
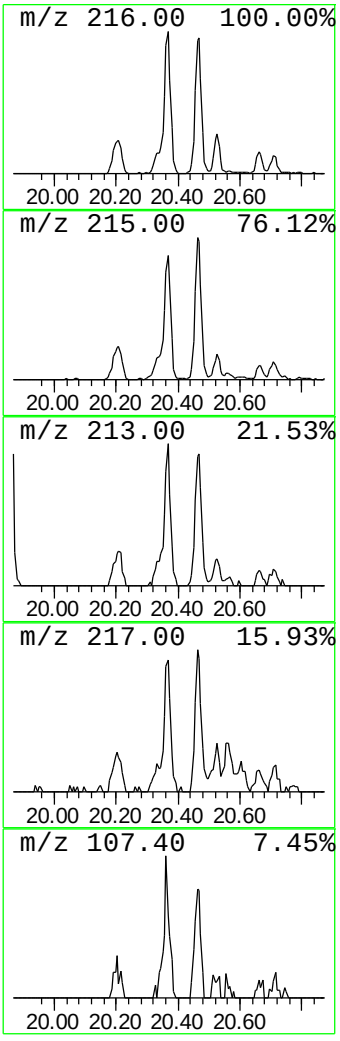
Peak Number 19 Fluoranthene, 2-methyl- Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.37	3.08 ng/ul	115713	Chrysene-d12	21.74

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





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Data File : BG020164.D
Acq On : 14 Dec 2015 22:17
Operator : UM/SJ
Sample : G4767-16
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N38

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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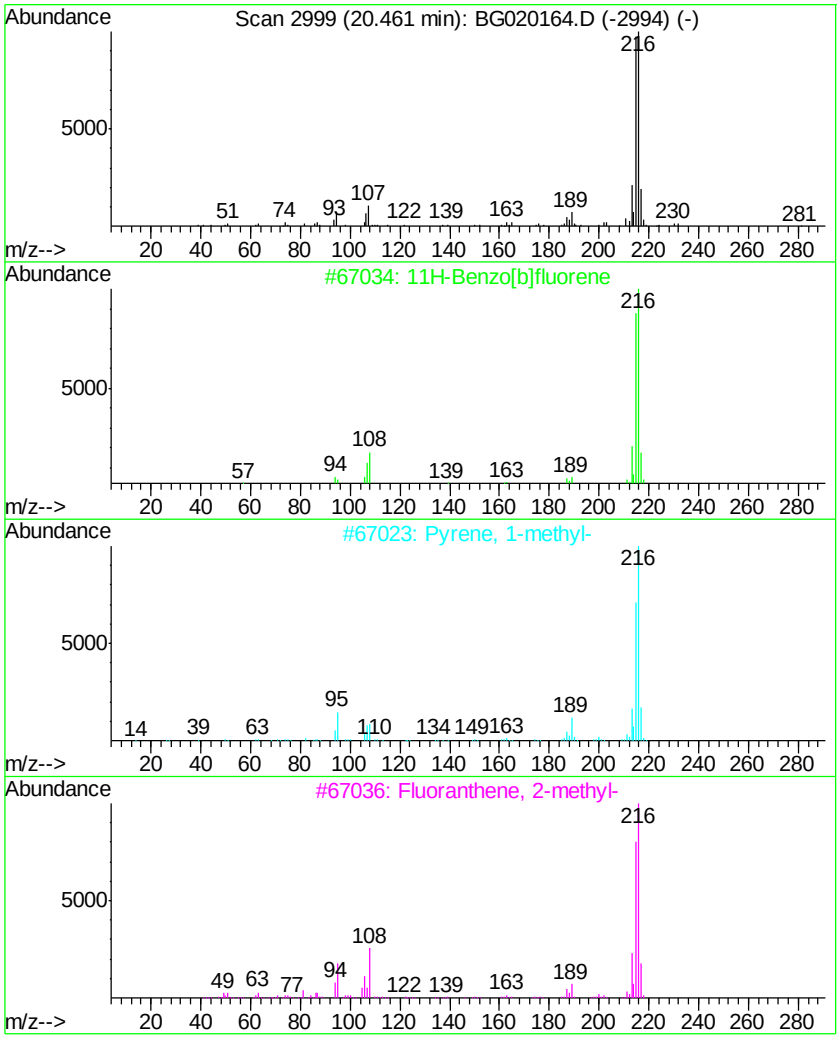
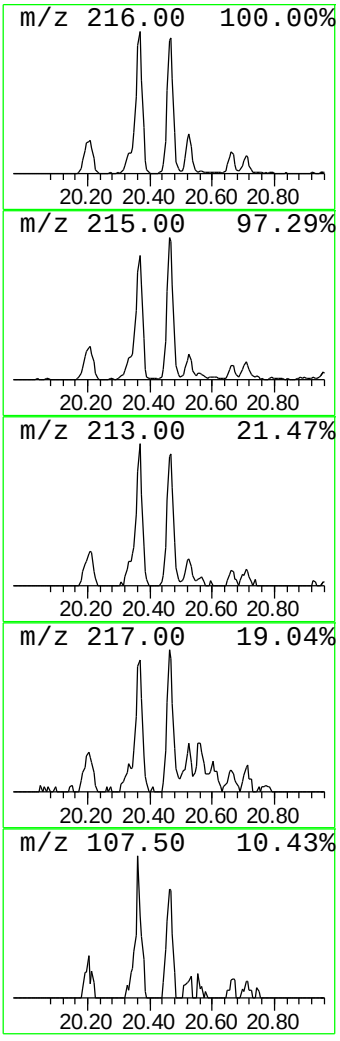
Peak Number 20 11H-Benzo[b]fluorene Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.46	3.19 ng/ul	119960	Chrysene-d12	21.74

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	96
2	Pyrene, 1-methyl-	216	C17H12	002381-21-7	94
3	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	91
4	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	90
5	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	87





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Operator : UM/SJ
Sample : G4767-16
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N38

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

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

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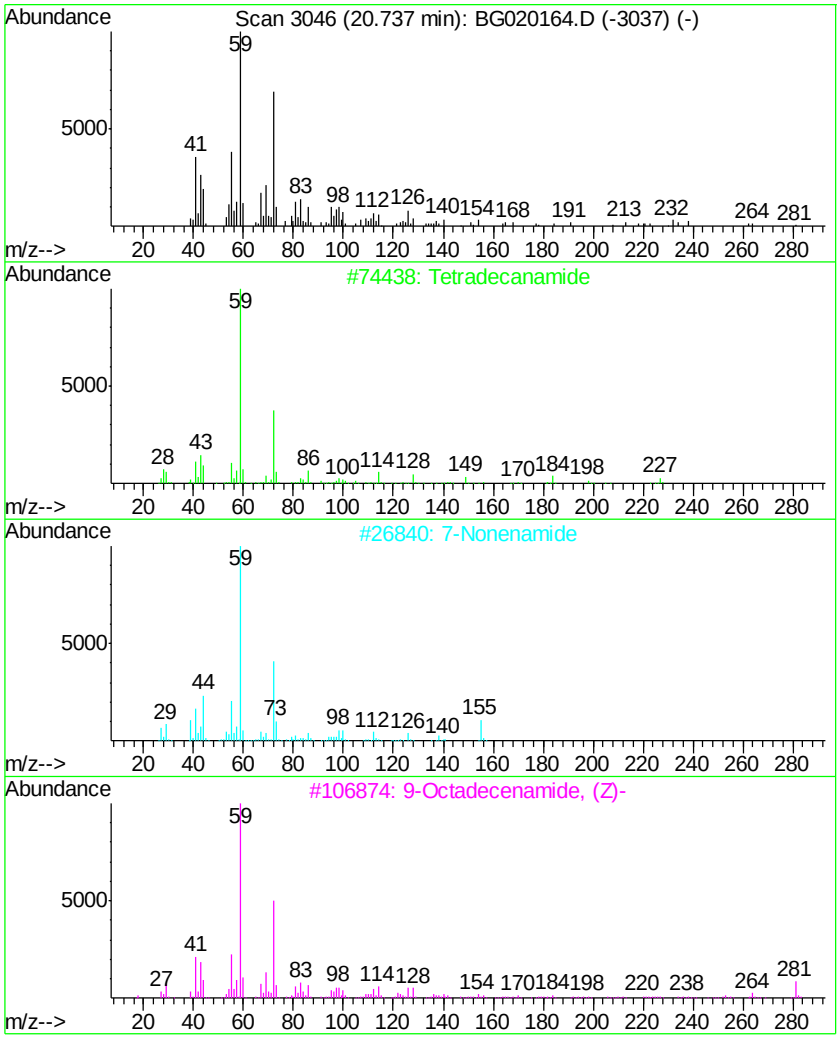
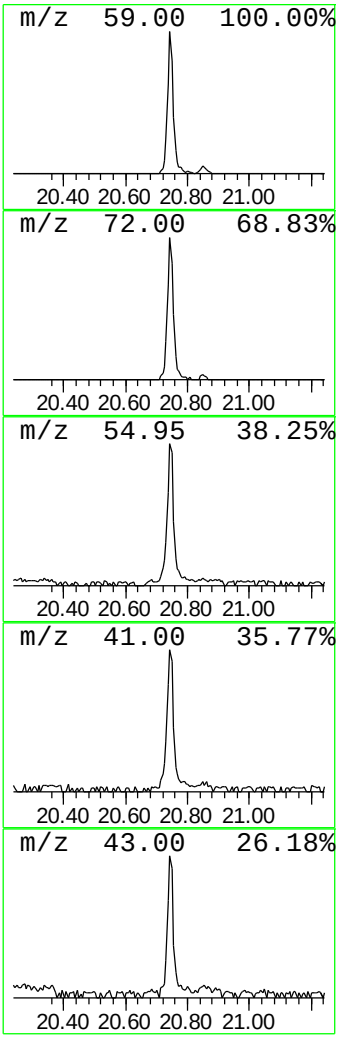
Peak Number 21 Tetradecanamide Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.74	4.27 ng/ul	160499	Chrysene-d12	21.74

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Tetradecanamide	227	C14H29NO	000638-58-4	78
2	7-Nonenamide	155	C9H17NO	090949-53-4	72
3	9-Octadecenamide, (Z)-	281	C18H35NO	000301-02-0	72
4	Octanamide	143	C8H17NO	000629-01-6	64
5	Hexadecanamide	255	C16H33NO	000629-54-9	64





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Data File : BG020164.D
Acq On : 14 Dec 2015 22:17
Operator : UM/SJ
Sample : G4767-16
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N38

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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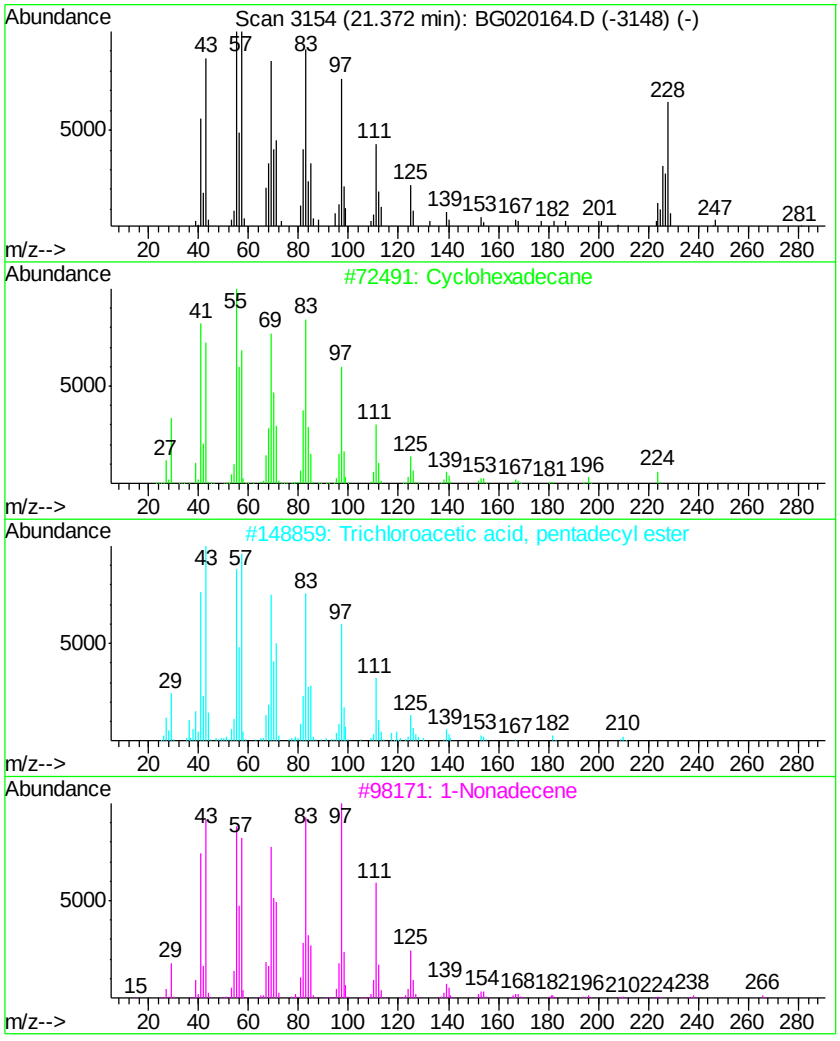
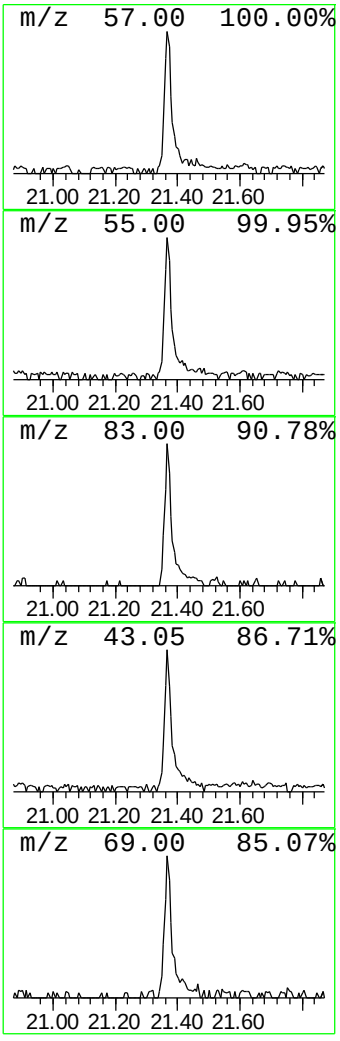
Peak Number 22 (DEL) Alkane: Cyclic21.37 Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.37	3.03 ng/ul	113972	Chrysene-d12	21.74

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexadecane	224	C16H32	000295-65-8	95
2	Trichloroacetic acid, pentadecyl...	372	C17H31Cl3O2	074339-53-0	60
3	1-Nonadecene	266	C19H38	018435-45-5	60
4	1-Pentadecanol	228	C15H32O	000629-76-5	60
5	Trifluoroacetic acid, n-heptadec...	324	C17H31F3O2	1000216-79-2	60





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Data File : BG020164.D
Acq On : 14 Dec 2015 22:17
Operator : UM/SJ
Sample : G4767-16
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N38

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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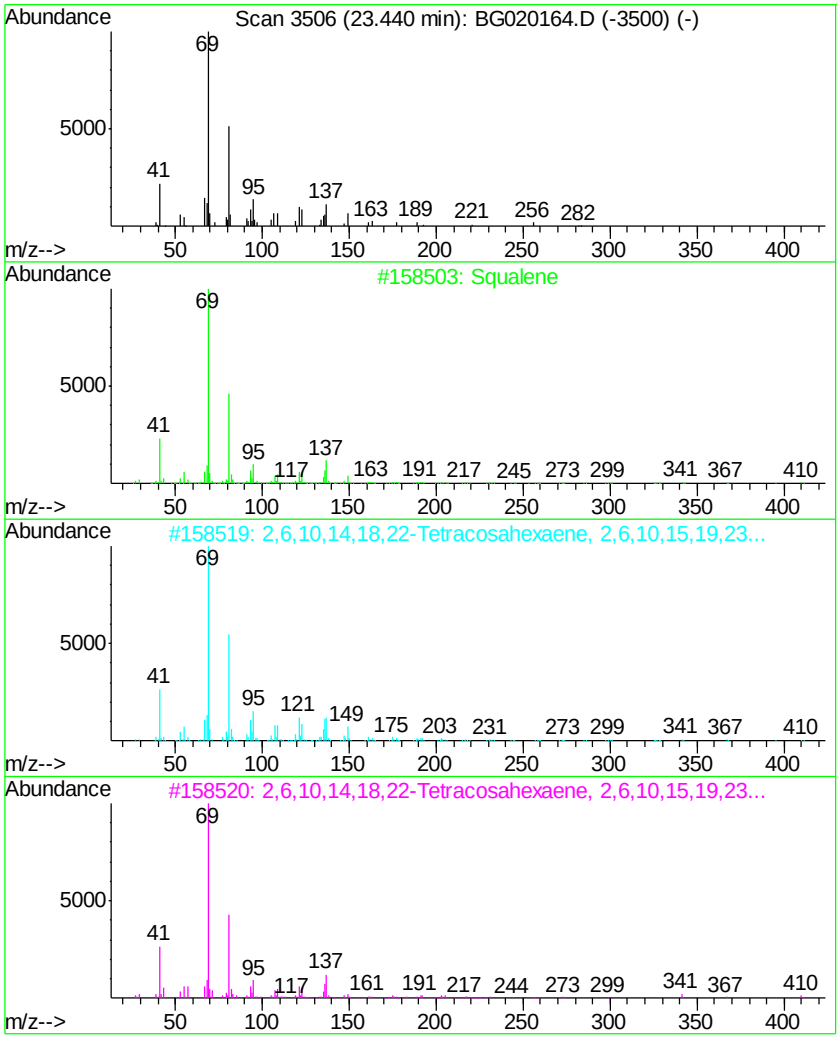
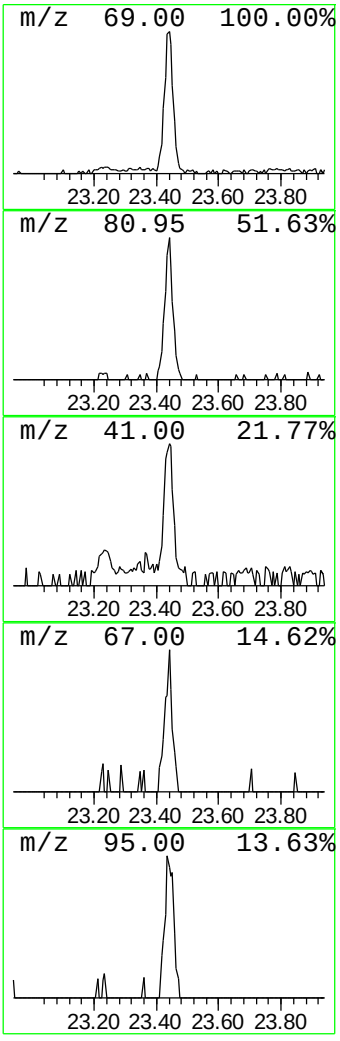
Peak Number 23 Squalene Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
23.44	2.60 ng/ul	64988	Perylene-d12	25.01

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Squalene	410	C30H50	007683-64-9	91
2	2,6,10,14,18,22-Tetracosahexaene...	410	C30H50	000111-02-4	90
3	2,6,10,14,18,22-Tetracosahexaene...	410	C30H50	000111-02-4	90
4	2,6,10,14,18,22-Tetracosahexaene...	410	C30H50	000111-02-4	83
5	.psi.,.psi.-Carotene, 7,7',8,8',...	547	C40H66	000502-62-5	83





Tentatively Identified Compound (LSC) summary

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG121515\
Data File : BG020164.D
Acq On : 14 Dec 2015 22:17
Operator : UM/SJ
Sample : G4767-16
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N38

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
Butane, 2-methoxy...	3.21	3.4	ng/ul	22801	1	8.10	134932	20.0
Naphthalene, 1-et...	13.76	2.1	ng/ul	35453	3	14.73	333590	20.0
Naphthalene, 1,6-...	13.89	2.3	ng/ul	38281	3	14.73	333590	20.0
Naphthalene, 2,3-...	14.05	4.1	ng/ul	68691	3	14.73	333590	20.0
1-Isopropenylnaph...	15.90	2.4	ng/ul	40435	3	14.73	333590	20.0
Nordiphenamid	15.93	5.3	ng/ul	89208	3	14.73	333590	20.0
Dibenzofuran, 4-m...	16.07	5.0	ng/ul	84079	3	14.73	333590	20.0
6H-Dibenzo[b,d]-p...	16.21	5.8	ng/ul	126227	4	17.47	437155	20.0
1-Acenaphthenol	16.44	4.5	ng/ul	97382	4	17.47	437155	20.0
9H-Fluorene, 3-me...	16.77	4.2	ng/ul	91249	4	17.47	437155	20.0
unknown-01	17.21	2.4	ng/ul	51381	4	17.47	437155	20.0
Naphtho[2,3-b]thi...	17.29	6.8	ng/ul	148246	4	17.47	437155	20.0
Phenanthrene, 1-m...	18.35	8.9	ng/ul	195314	4	17.47	437155	20.0
1H-Cyclopropa[l]p...	18.39	7.3	ng/ul	160543	4	17.47	437155	20.0
4H-Cyclopenta[def...	18.55	12.9	ng/ul	280962	4	17.47	437155	20.0
5,16[1',2']:8,13[...	18.84	4.5	ng/ul	97165	4	17.47	437155	20.0
Fluoranthene, 2-m...	20.37	3.1	ng/ul	115713	5	21.74	751898	20.0
11H-Benzo[b]fluorene	20.46	3.2	ng/ul	119960	5	21.74	751898	20.0
Tetradecanamide	20.74	4.3	ng/ul	160499	5	21.74	751898	20.0
(DEL) Alkane: Cyc...	21.37	3.0	ng/ul	113972	5	21.74	751898	20.0
Squalene	23.44	2.6	ng/ul	64988	6	25.01	500037	20.0