LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA G\DATA\BG121915\
Data File : BG020274.D
Acq On : 18 Dec 2015 14:19
Operator : UM/SJ
Sample : G4767-07DL2 30X
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N29DL2

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	3.117	43	47	52	rVV3	7774	12920	1.40%	0.215%
2	3.194	56	60	69	rVB2	7511	10589	1.15%	0.176%
3	8.094	886	894	902	rBB	50903	83931	9.09%	1.394%
4	10.908	1365	1373	1378	rBV	76102	140908	15.27%	2.340%
5	10.961	1378	1382	1390	rVV	91472	154875	16.78%	2.572%
6	12.559	1648	1654	1663	rBV	87713	144985	15.71%	2.407%
7	12.777	1681	1691	1698	rBB	40080	66431	7.20%	1.103%
8	13.558	1817	1824	1833	rBB	30327	47015	5.09%	0.781%
9	13.758	1853	1858	1867	rBB	9410	14988	1.62%	0.249%
10	13.905	1874	1883	1889	rBV3	12289	30507	3.31%	0.507%
11	14.046	1900	1907	1912	rBV2	17152	29059	3.15%	0.482%
12	14.099	1912	1916	1924	rVV3	12106	23069	2.50%	0.383%
13	14.281	1942	1947	1951	rBV2	7314	10668	1.16%	0.177%
14	14.422	1966	1971	1973	rBV2	4046	6745	0.73%	0.112%
15	14.451	1973	1976	1981	rVB2	7580	10554	1.14%	0.175%
16	14.727	2012	2023	2028	rBV2	143262	240680	26.08%	3.996%
17	14.792	2028	2034	2041	rVV	178400	280611	30.41%	4.659%
18	14.851	2041	2044	2049	rVB2	3111	4355	0.47%	0.072%
19	14.927	2053	2057	2062	rBV	2441	4184	0.45%	0.069%
20	15.039	2069	2076	2081	rBV3	5070	8507	0.92%	0.141%
21	15.121	2084	2090	2098	rVV	129621	189543	20.54%	3.147%
22	15.192	2098	2102	2108	rVB2	3785	5320	0.58%	0.088%
23	15.333	2120	2126	2131	rBV3	2584	4314	0.47%	0.072%
24	15.391	2131	2136	2140	rVV3	2925	3838	0.42%	0.064%
25	15.714	2181	2191	2195	rVV3	6122	11748	1.27%	0.195%
26	15.767	2195	2200	2210	rVB	183080	280646	30.41%	4.660%
27	15.861	2212	2216	2219	rBV2	5803	9626	1.04%	0.160%
28	15.897	2219	2222	2224	rVV	9895	13611	1.47%	0.226%
29	15.932	2224	2228	2233	rVV2	19676	28418	3.08%	0.472%
30	15.985	2233	2237	2239	rVV2	4046	5563	0.60%	0.092%
31	16.020	2239	2243	2246	rVV2	9554	14685	1.59%	0.244%
32	16.061	2246	2250	2255	rVB	20289	28871	3.13%	0.479%
33	16.208	2267	2275	2283	rVB	22039	45116	4.89%	0.749%
34	16.302	2283	2291	2298	rVB2	3016	5185	0.56%	0.086%

LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA G\DATA\BG121915\
Data File : BG020274.D
Acq On : 18 Dec 2015 14:19
Operator : UM/SJ
Sample : G4767-07DL2 30X
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N29DL2

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	16.561	2327	2335	2342	rBV2	10596	15870	1.72%	0.264%
36	16.772	2359	2371	2376	rBV2	15335	30725	3.33%	0.510%
37	16.819	2376	2379	2385	rVV3	5810	9288	1.01%	0.154%
38	16.919	2390	2396	2402	rVB4	5524	9207	1.00%	0.153%
39	16.978	2402	2406	2407	rBV2	3040	3516	0.38%	0.058%
40	16.995	2407	2409	2412	rVV	4281	5470	0.59%	0.091%
41	17.036	2412	2416	2420	rVV4	5517	9345	1.01%	0.155%
42	17.119	2427	2430	2436	rVB3	2991	5201	0.56%	0.086%
43	17.195	2436	2443	2452	rBV6	5979	15687	1.70%	0.260%
44	17.289	2452	2459	2468	rVB	36905	54262	5.88%	0.901%
45	17.471	2483	2490	2493	rBV	199424	310153	33.61%	5.150%
46	17.512	2493	2497	2503	rVV	621137	922892	100.00%	15.323%
47	17.601	2507	2512	2518	rVV	107832	167354	18.13%	2.779%
48	17.871	2553	2558	2566	rVV	34217	52094	5.64%	0.865%
49	17.982	2574	2577	2584	rBV2	6411	9643	1.04%	0.160%
50	18.047	2584	2588	2597	rVB3	2464	5625	0.61%	0.093%
51	18.188	2608	2612	2619	rVB2	2127	4255	0.46%	0.071%
52	18.347	2633	2639	2643	rBV	30003	43176	4.68%	0.717%
53	18.394	2643	2647	2653	rVB	39120	56732	6.15%	0.942%
54	18.470	2655	2660	2665	rVB	14906	21281	2.31%	0.353%
55	18.541	2665	2672	2677	rBV	61530	112249	12.16%	1.864%
56	18.640	2685	2689	2692	rBV	2340	3354	0.36%	0.056%
57	18.682	2692	2696	2700	rVB3	3099	4347	0.47%	0.072%
58	18.776	2709	2712	2717	rVV2	1955	3003	0.33%	0.050%
59	18.840	2717	2723	2728	rVV	26320	35498	3.85%	0.589%
60	18.964	2740	2744	2748	rVB	2313	2886	0.31%	0.048%
61	19.081	2759	2764	2768	rBV4	4134	5638	0.61%	0.094%
62	19.134	2768	2773	2777	rBV2	4134	4804	0.52%	0.080%
63	19.169	2777	2779	2783	rVB3	2550	3016	0.33%	0.050%
64	19.252	2787	2793	2798	rBV	6446	11636	1.26%	0.193%
65	19.316	2801	2804	2807	rBV4	2823	3532	0.38%	0.059%
66	19.387	2812	2816	2819	rBV3	2431	3382	0.37%	0.056%
67	19.516	2833	2838	2845	rVV	329362	467658	50.67%	7.765%
68	19.575	2845	2848	2851	rVV3	3608	5421	0.59%	0.090%
69	19.610	2851	2854	2858	rVV3	4865	5917	0.64%	0.098%
70	19.698	2865	2869	2872	rVV3	1652	2685	0.29%	0.045%
71	19.763	2874	2880	2889	rVV	7824	13373	1.45%	0.222%

LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA G\DATA\BG121915\
Data File : BG020274.D
Acq On : 18 Dec 2015 14:19
Operator : UM/SJ
Sample : G4767-07DL2 30X
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N29DL2

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	19.851	2889	2895	2896	rVV2	60870	87323	9.46%	1.450%
73	19.880	2896	2900	2908	rVV	201695	310212	33.61%	5.151%
74	19.945	2908	2911	2919	rVB3	9836	15497	1.68%	0.257%
75	20.056	2919	2930	2934	rBV	11447	18349	1.99%	0.305%
76	20.192	2948	2953	2955	rBV	8374	13748	1.49%	0.228%
77	20.256	2960	2964	2968	rVB2	5160	6174	0.67%	0.103%
78	20.368	2978	2983	2988	rVB	35330	48591	5.27%	0.807%
79	20.468	2995	3000	3004	rBV	36829	50944	5.52%	0.846%
80	20.521	3004	3009	3013	rVV4	10498	19967	2.16%	0.332%
81	20.562	3013	3016	3020	rVV2	5975	8478	0.92%	0.141%
82	20.609	3020	3024	3027	rVB4	3720	5452	0.59%	0.091%
83	20.667	3031	3034	3037	rVV2	3732	4052	0.44%	0.067%
84	20.715	3037	3042	3047	rVV3	4512	7008	0.76%	0.116%
85	20.897	3068	3073	3076	rBV3	5371	7713	0.84%	0.128%
86	20.961	3080	3084	3087	rBV6	2122	3639	0.39%	0.060%
87	21.085	3100	3105	3110	rBV5	3945	7790	0.84%	0.129%
88	21.138	3110	3114	3117	rVV5	2238	3685	0.40%	0.061%
89	21.320	3141	3145	3149	rBV	7670	10469	1.13%	0.174%
90	21.367	3149	3153	3156	rVV2	7408	9178	0.99%	0.152%
91	21.414	3158	3161	3169	rVB5	6466	11246	1.22%	0.187%
92	21.743	3208	3217	3223	rBV2	252306	499424	54.12%	8.292%
93	21.790	3223	3225	3235	rVB	39406	56166	6.09%	0.933%
94	21.948	3246	3252	3257	rBV3	9250	15573	1.69%	0.259%
95	22.154	3282	3287	3294	rVB8	3687	7864	0.85%	0.131%
96	23.970	3590	3596	3598	rBV4	8043	13277	1.44%	0.220%
97	24.716	3719	3723	3727	rVB5	2549	4986	0.54%	0.083%
98	24.857	3743	3747	3755	rVB5	4433	10602	1.15%	0.176%
99	25.015	3763	3774	3794	rBV	108273	349159	37.83%	5.797%
100	27.554	4204	4206	4210	rVV5	2957	3937	0.43%	0.065%

Sum of corrected areas: 6022743

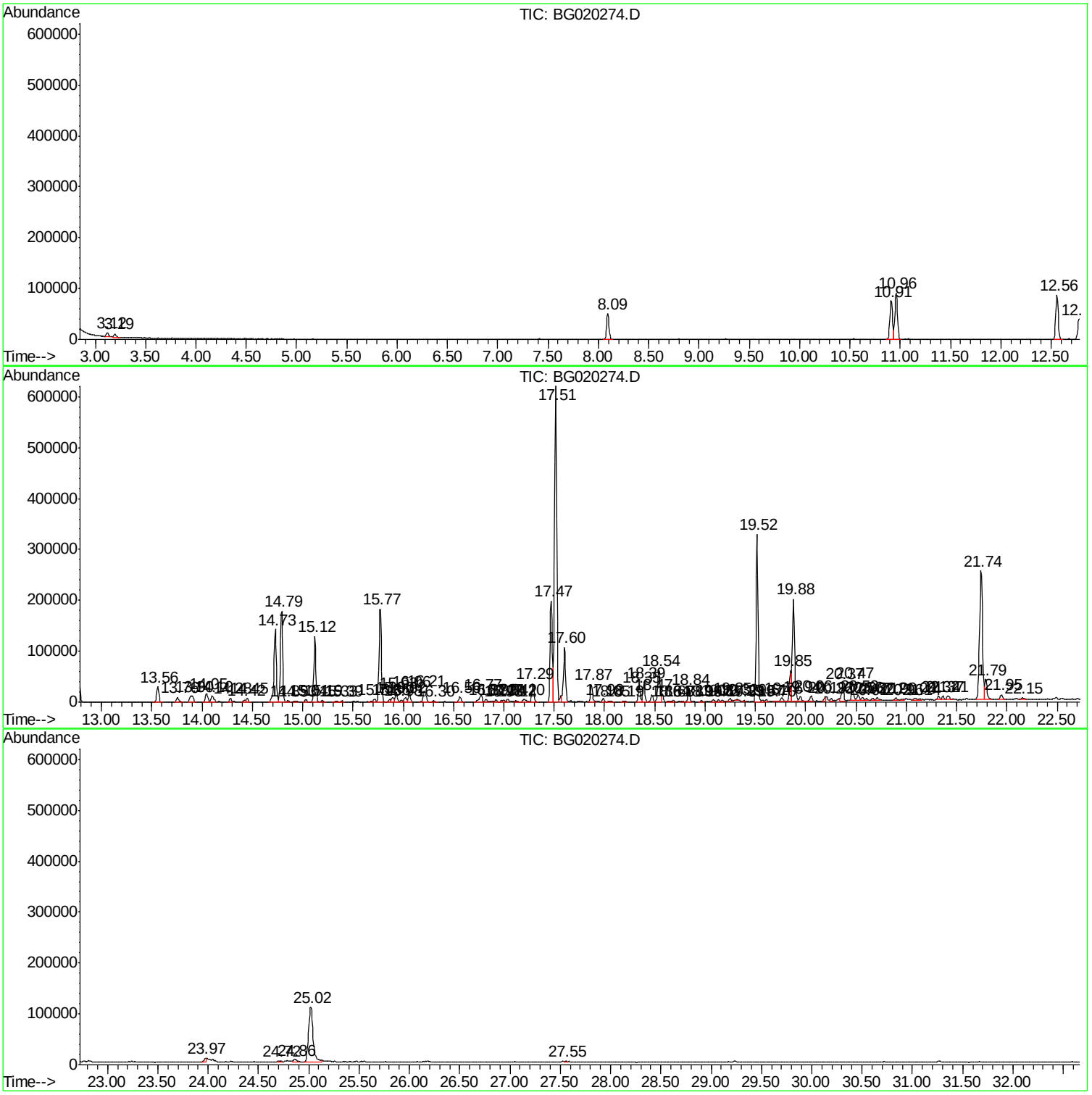
LSC Report - Integrated Chromatogram

Data Path : Z:\HPCHEM1\BNA G\DATA\BG121915\
Data File : BG020274.D
Acq On : 18 Dec 2015 14:19
Operator : UM/SJ
Sample : G4767-07DL2 30X
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N29DL2

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\BG121915\
Data File : BG020274.D
Acq On : 18 Dec 2015 14:19
Operator : UM/SJ
Sample : G4767-07DL2 30X
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N29DL2

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

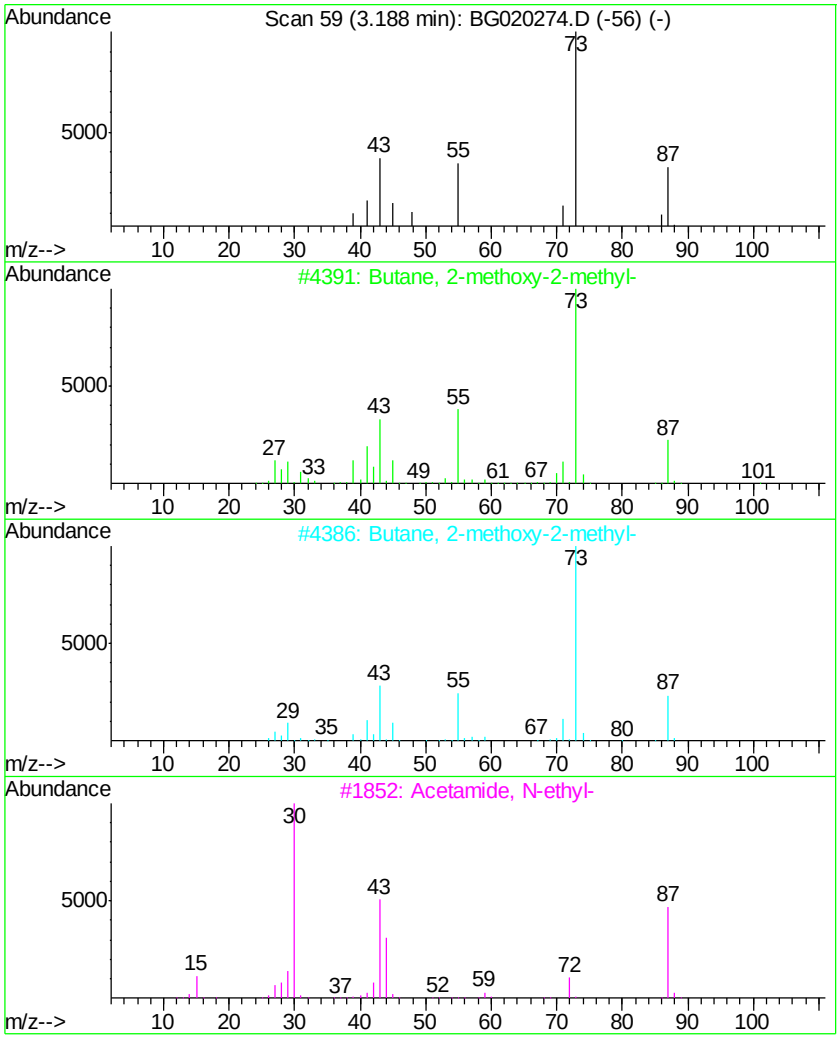
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

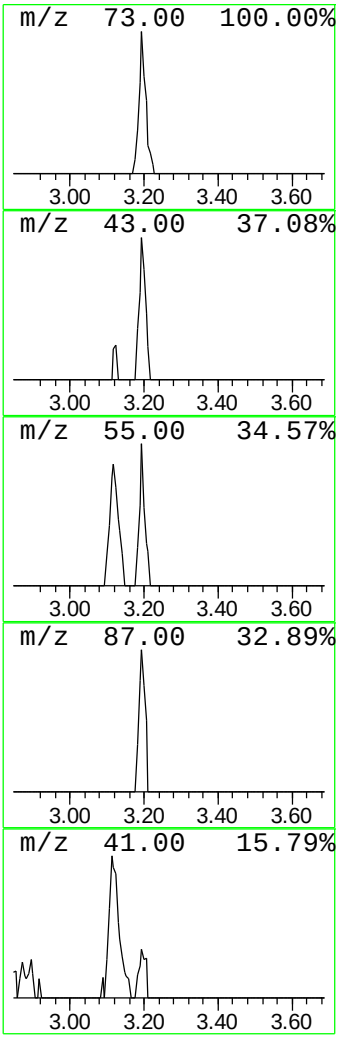
****

Peak Number 2 unknown-01 Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.19	2.52 ng/ul	10589	1,4-Dichlorobenzene-d4	8.09

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Butane, 2-methoxy-2-methyl-	102	C6H14O	000994-05-8	45
2	Butane, 2-methoxy-2-methyl-	102	C6H14O	000994-05-8	9
3	Acetamide, N-ethyl-	87	C4H9NO	000625-50-3	5
4	Acetamide, N-ethyl-	87	C4H9NO	000625-50-3	5
5	Isobutylamine	73	C4H11N	000078-81-9	4





Data Path : Z:\HPCHEM1\BNA G\DATA\BG121915\
Data File : BG020274.D
Acq On : 18 Dec 2015 14:19
Operator : UM/SJ
Sample : G4767-07DL2 30X
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N29DL2

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

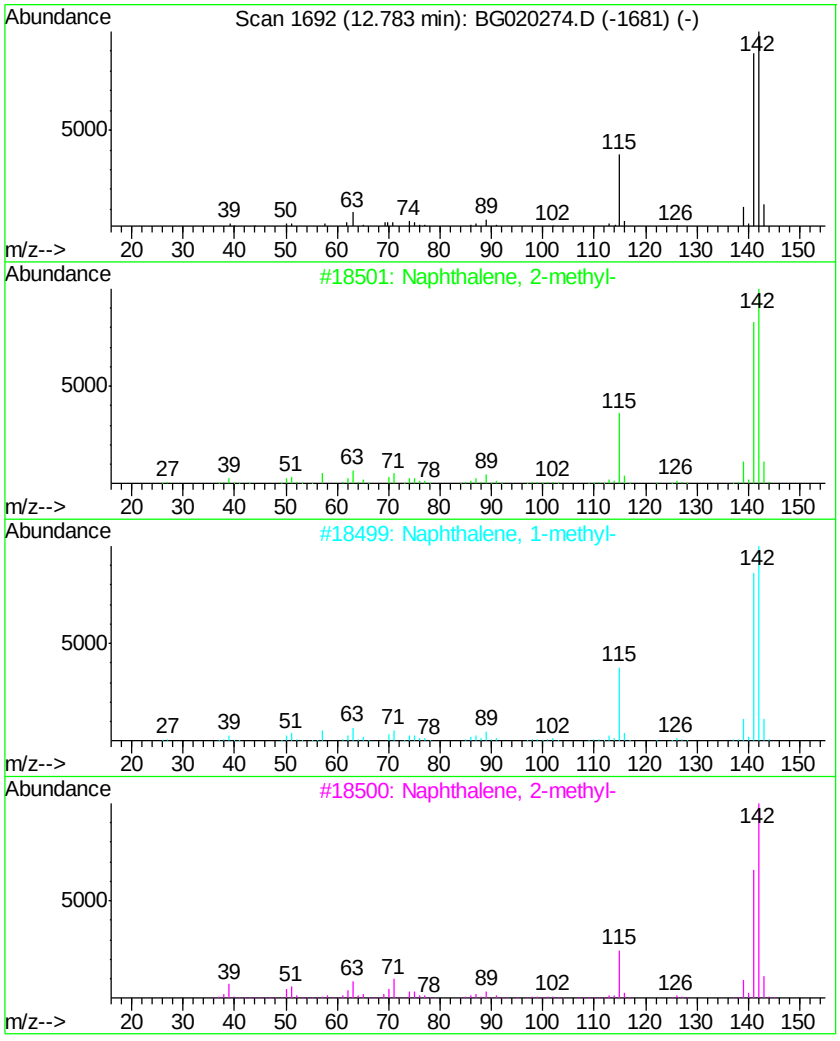
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

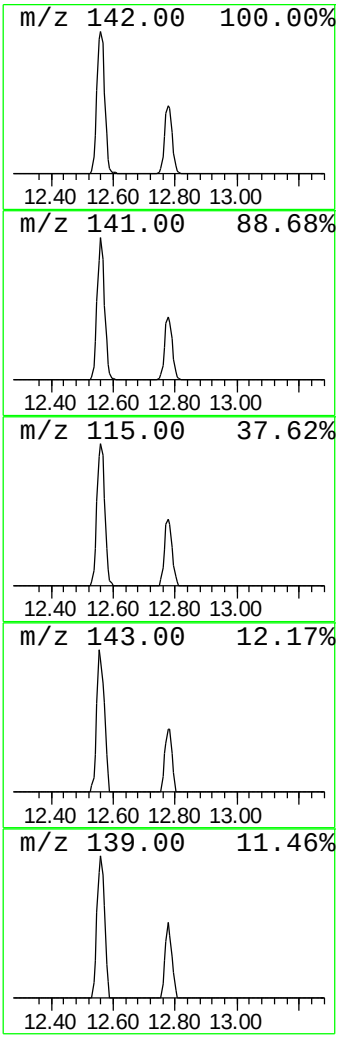
****

Peak Number 3 Naphthalene, 1-methyl- Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.78	9.43 ng/ul	66431	Naphthalene-d8	10.91

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2-methyl-	142	C11H10	000091-57-6	97
2	Naphthalene, 1-methyl-	142	C11H10	000090-12-0	97
3	Naphthalene, 2-methyl-	142	C11H10	000091-57-6	94
4	1,4-Methanonaphthalene, 1,4-dihy...	142	C11H10	004453-90-1	94
5	Naphthalene, 1-methyl-	142	C11H10	000090-12-0	94





Data Path : Z:\HPCHEM1\BNA G\DATA\BG121915\
Data File : BG020274.D
Acq On : 18 Dec 2015 14:19
Operator : UM/SJ
Sample : G4767-07DL2 30X
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N29DL2

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

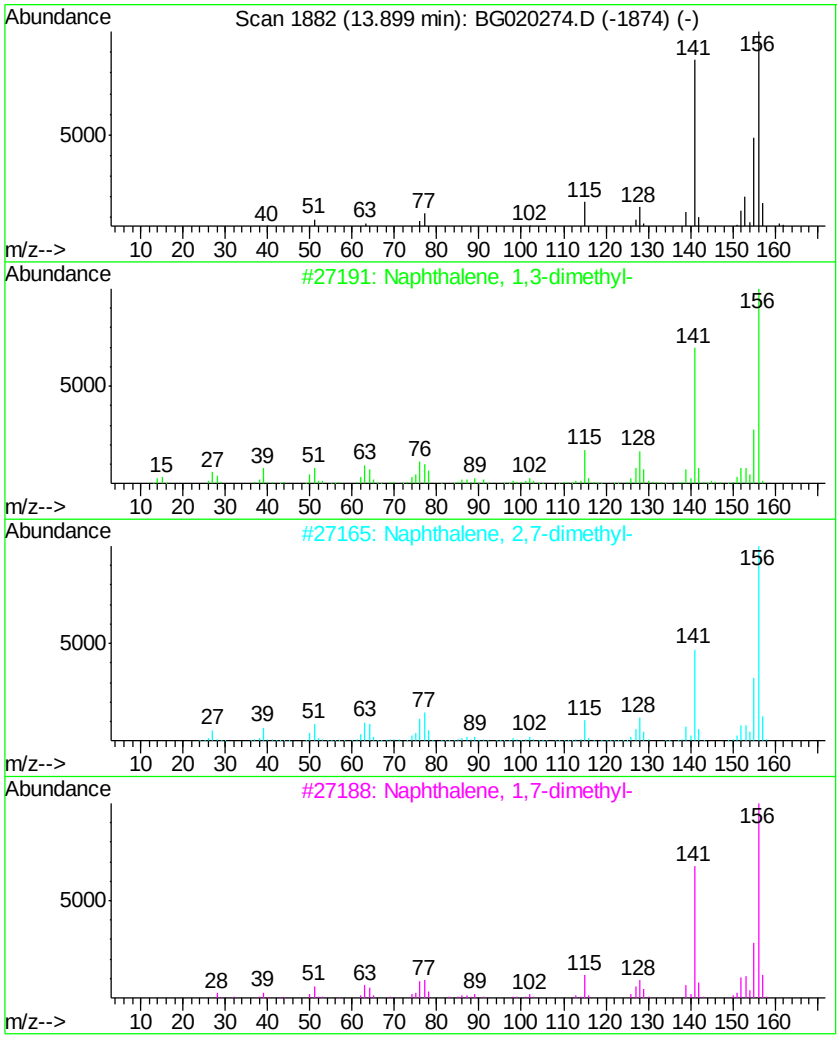
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

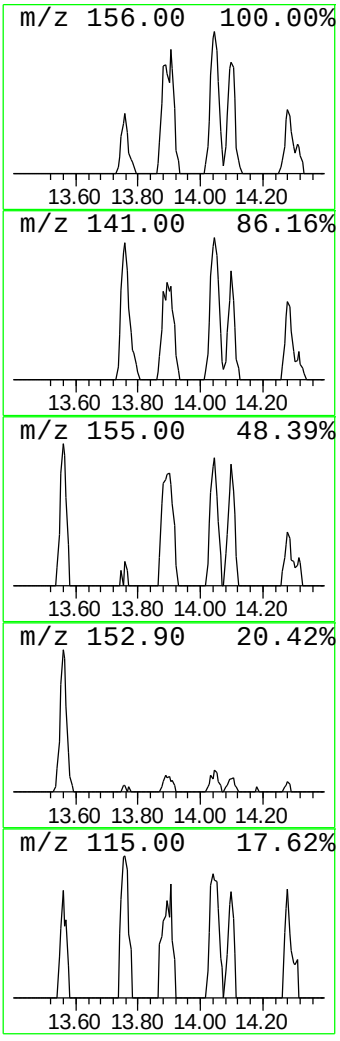
****

Peak Number 4 Naphthalene, 1,3-dimethyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.90	2.54 ng/ul	30507	Acenaphthene-d10	14.73

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1,3-dimethyl-	156	C12H12	000575-41-7	95
2	Naphthalene, 2,7-dimethyl-	156	C12H12	000582-16-1	95
3	Naphthalene, 1,7-dimethyl-	156	C12H12	000575-37-1	94
4	Naphthalene, 2,6-dimethyl-	156	C12H12	000581-42-0	94
5	Naphthalene, 2,7-dimethyl-	156	C12H12	000582-16-1	94





Data Path : Z:\HPCHEM1\BNA G\DATA\BG121915\
Data File : BG020274.D
Acq On : 18 Dec 2015 14:19
Operator : UM/SJ
Sample : G4767-07DL2 30X
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N29DL2

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

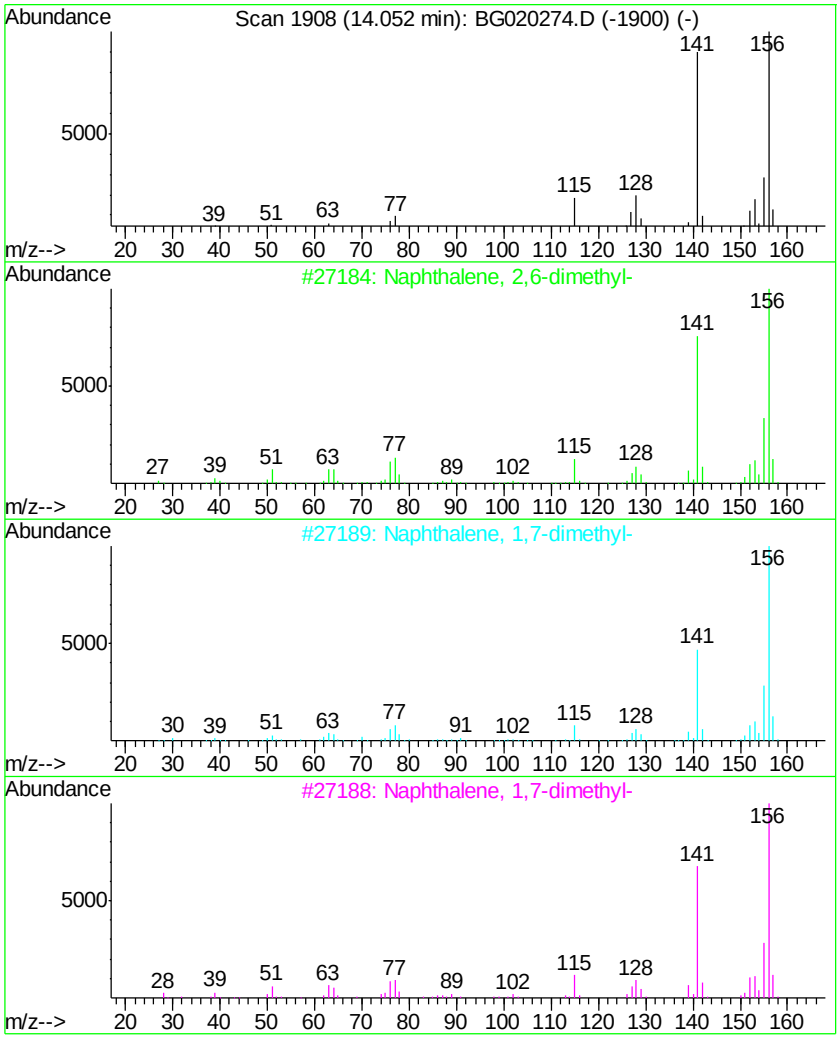
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

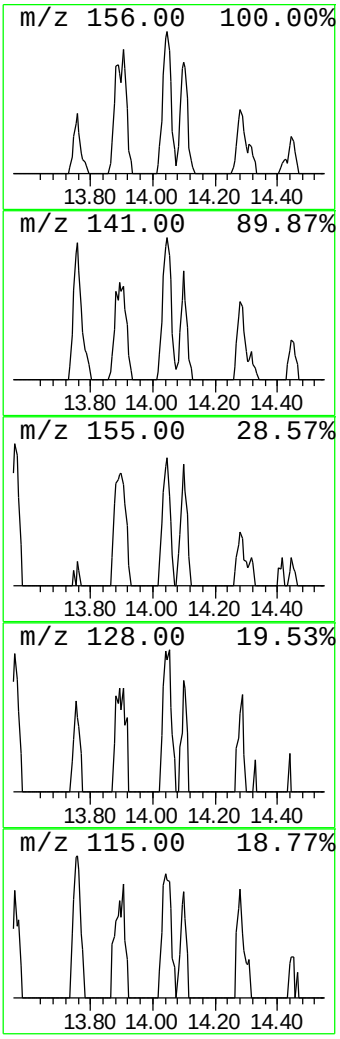
****

Peak Number 5 Naphthalene, 2,6-dimethyl- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.05	2.41 ng/ul	29059	Acenaphthene-d10	14.73

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2,6-dimethyl-	156	C12H12	000581-42-0	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, 2,3-dimethyl-	156	C12H12	000581-40-8	95
5	Naphthalene, 1,2-dimethyl-	156	C12H12	000573-98-8	94





Data Path : Z:\HPCHEM1\BNA G\DATA\BG121915\
Data File : BG020274.D
Acq On : 18 Dec 2015 14:19
Operator : UM/SJ
Sample : G4767-07DL2 30X
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N29DL2

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

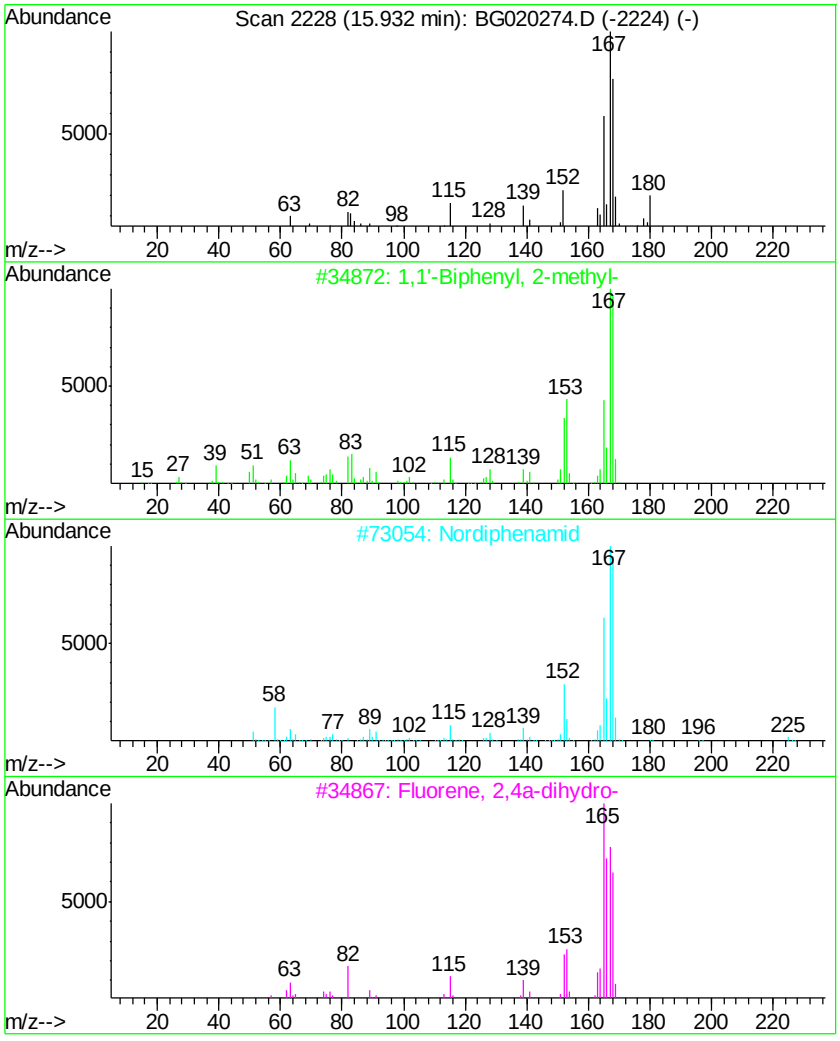
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

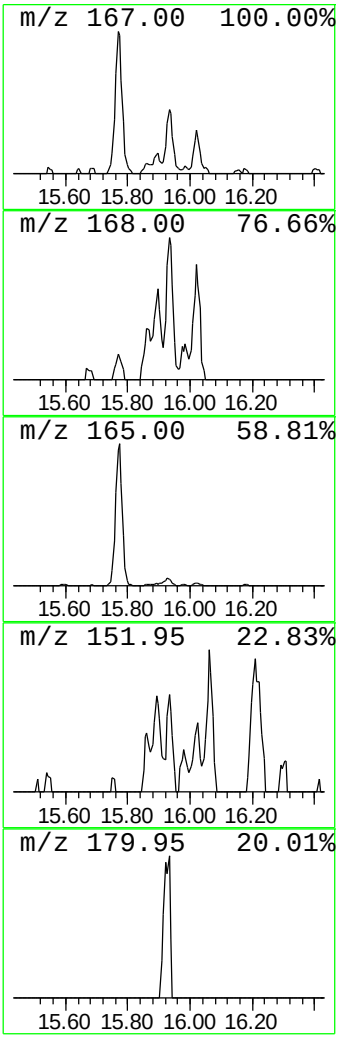
****

Peak Number 6 1,1'-Biphenyl, 2-methyl- Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.93	2.36 ng/ul	28418	Acenaphthene-d10	14.73

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,1'-Biphenyl, 2-methyl-	168	C13H12	000643-58-3	70
2	Nordiphenamid	225	C15H15NO	000954-21-2	64
3	Fluorene, 2,4a-dihydro-	168	C13H12	059247-36-8	60
4	Fluorene, 1,4-dihydro-	168	C13H12	041593-21-9	60
5	Nordiphenamid	225	C15H15NO	000954-21-2	59





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Data File : BG020274.D
Acq On : 18 Dec 2015 14:19
Operator : UM/SJ
Sample : G4767-07DL2 30X
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N29DL2

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

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

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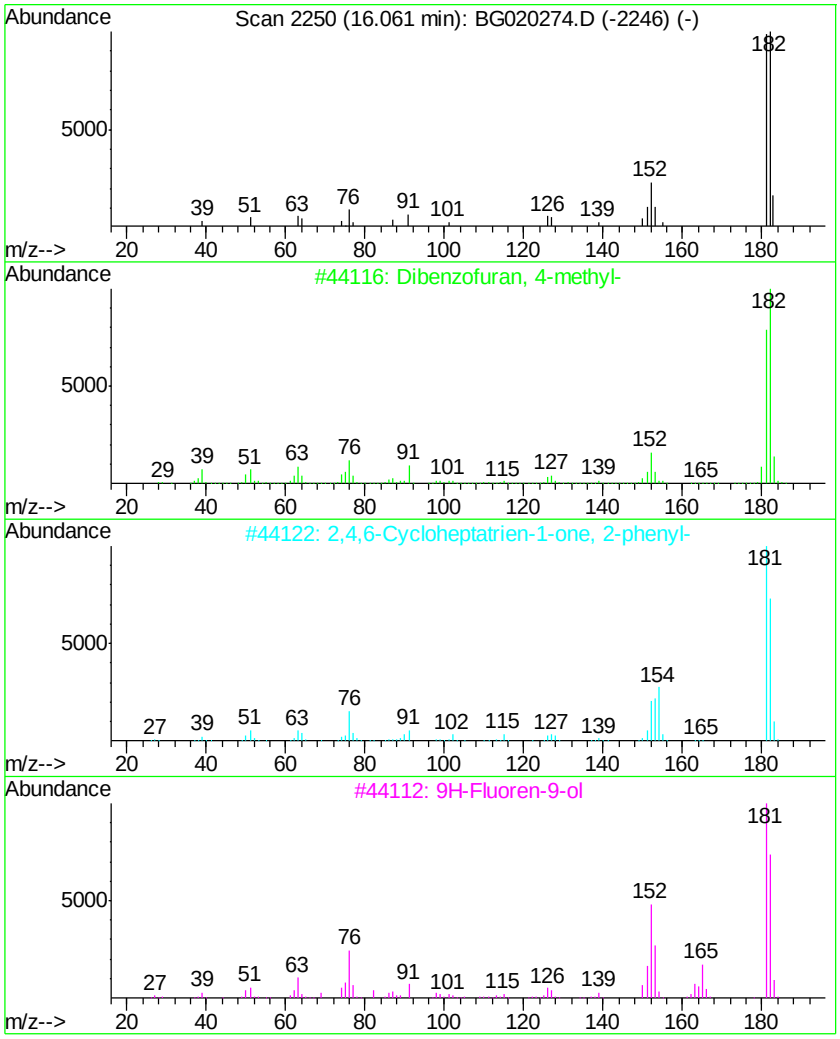
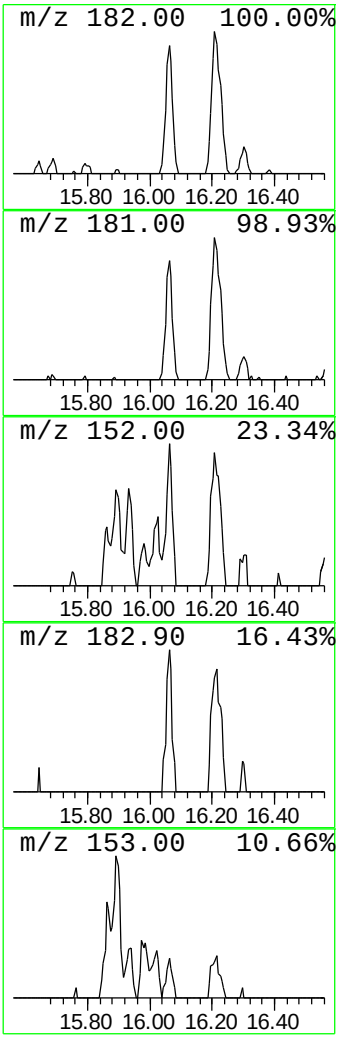
Peak Number 7 Dibenzofuran, 4-methyl- Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.06	2.40 ng/ul	28871	Acenaphthene-d10	14.73

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dibenzofuran, 4-methyl-	182	C13H10O	007320-53-8	90
2	2,4,6-Cycloheptatrien-1-one, 2-p...	182	C13H10O	014562-09-5	86
3	9H-Fluoren-9-ol	182	C13H10O	001689-64-1	83
4	9H-Fluoren-9-ol	182	C13H10O	001689-64-1	78
5	[1,1'-Biphenyl]-4-carboxaldehyde	182	C13H10O	003218-36-8	72





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Acq On : 18 Dec 2015 14:19
Operator : UM/SJ
Sample : G4767-07DL2 30X
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N29DL2

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

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

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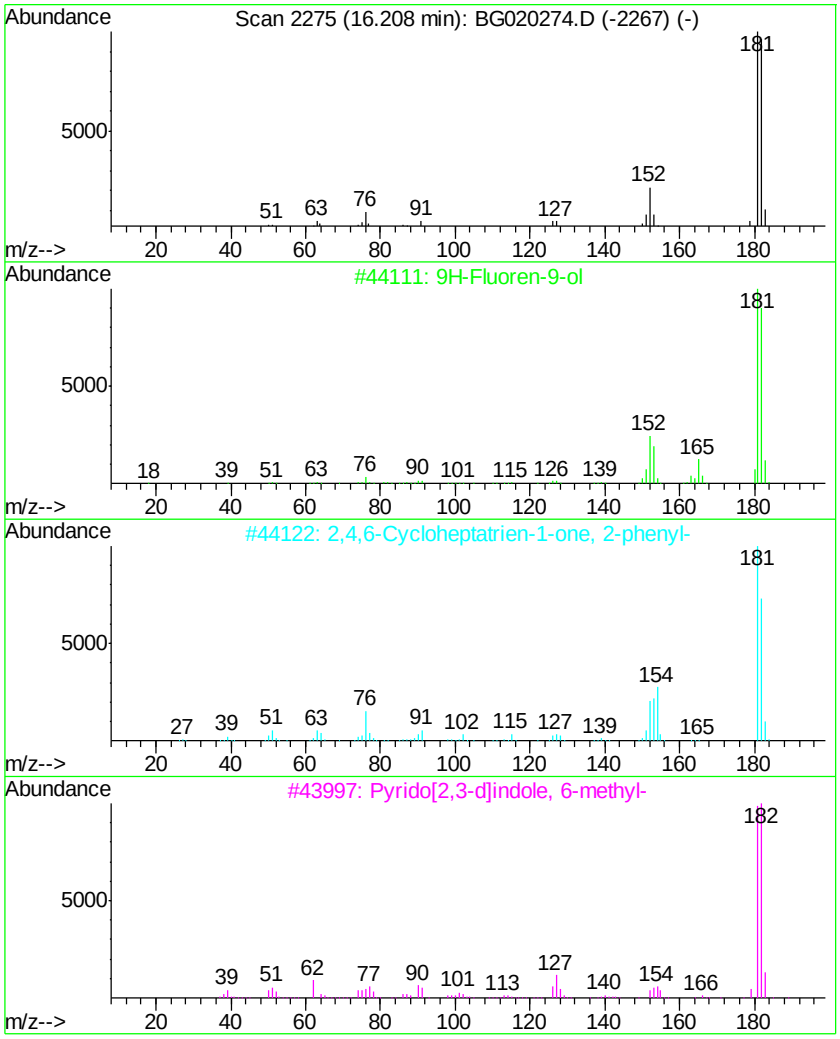
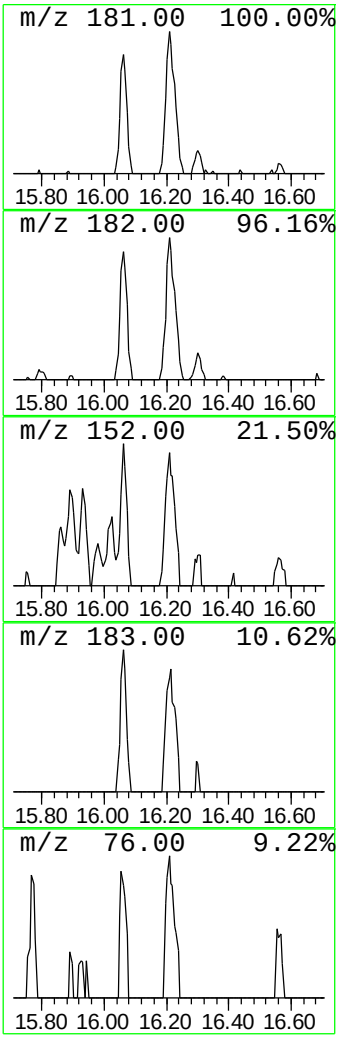
Peak Number 8 9H-Fluoren-9-ol Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.21	2.91 ng/ul	45116	Phenanthrene-d10	17.47

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9H-Fluoren-9-ol	182	C13H10O	001689-64-1	86
2	2,4,6-Cycloheptatrien-1-one, 2-p...	182	C13H10O	014562-09-5	86
3	Pyrido[2,3-d]indole, 6-methyl-	182	C12H10N2	108349-67-3	72
4	9H-Fluoren-9-ol	182	C13H10O	001689-64-1	72
5	6H-Dibenzo[b,d]-pyran	182	C13H10O	000229-95-8	59





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Data File : BG020274.D
Acq On : 18 Dec 2015 14:19
Operator : UM/SJ
Sample : G4767-07DL2 30X
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N29DL2

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

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

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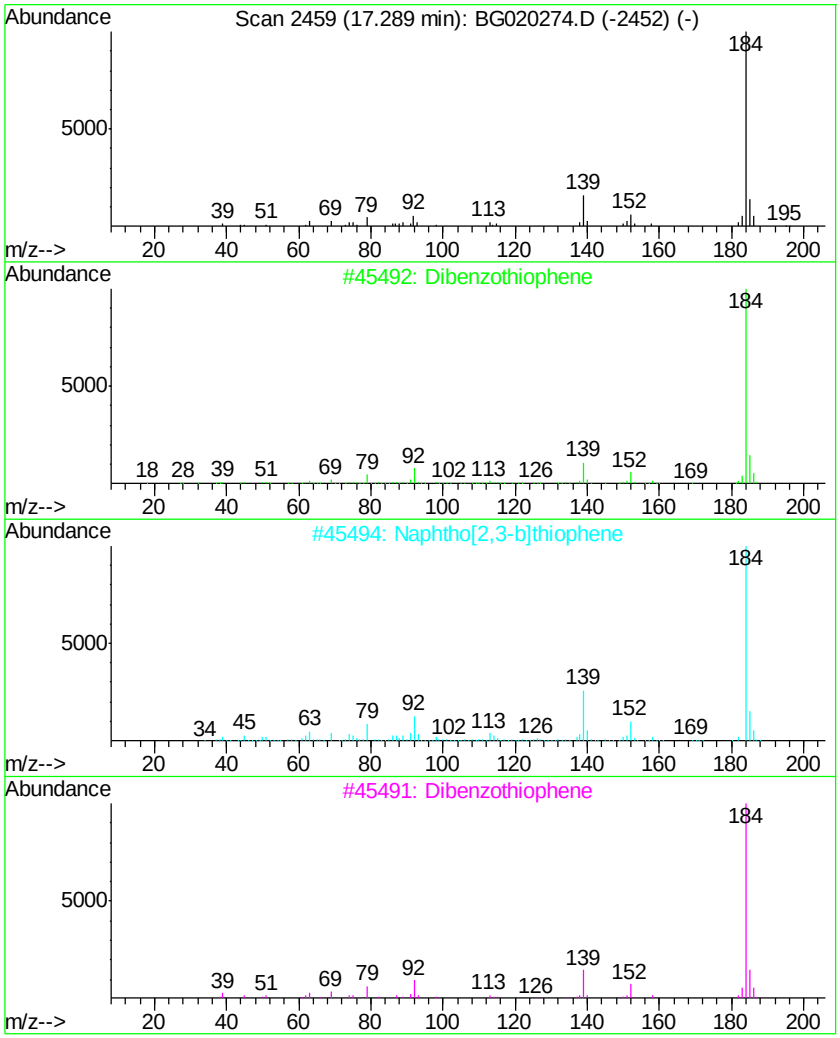
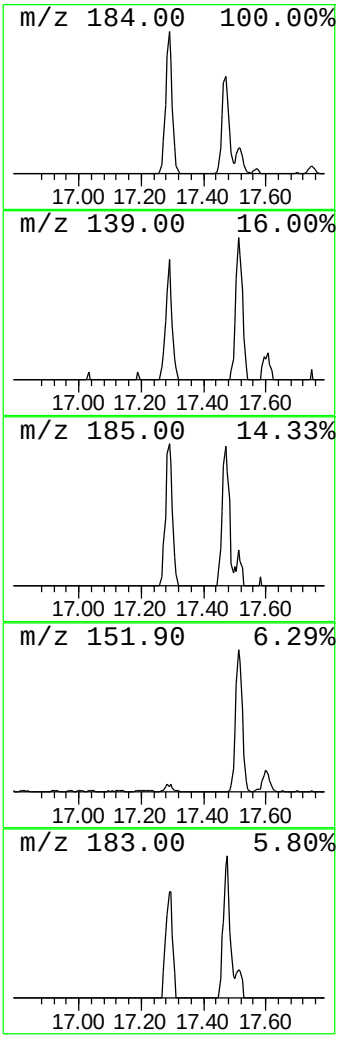
Peak Number 9 Dibenzothiophene Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.29	3.50 ng/ul	54262	Phenanthrene-d10	17.47

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dibenzothiophene	184	C12H8S	000132-65-0	95
2	Naphtho[2,3-b]thiophene	184	C12H8S	000268-77-9	94
3	Dibenzothiophene	184	C12H8S	000132-65-0	93
4	Dibenzothiophene	184	C12H8S	000132-65-0	91
5	Azuleno(2,1-b)thiophene	184	C12H8S	000248-13-5	91





Data Path : Z:\HPCHEM1\BNA G\DATA\BG121915\
Data File : BG020274.D
Acq On : 18 Dec 2015 14:19
Operator : UM/SJ
Sample : G4767-07DL2 30X
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N29DL2

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

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

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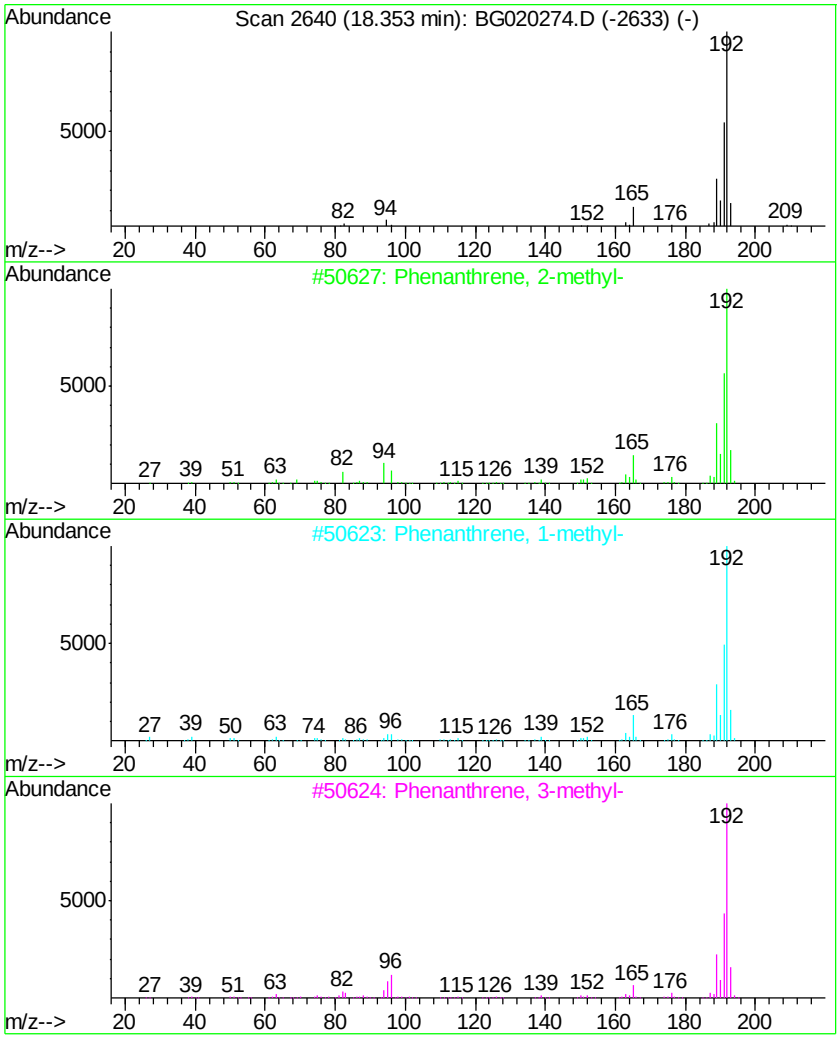
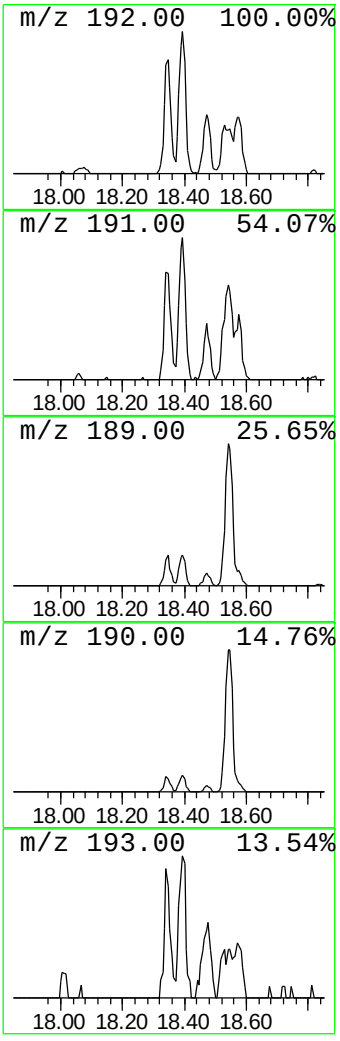
Peak Number 10 Phenanthrene, 2-methyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.35	2.78 ng/ul	43176	Phenanthrene-d10	17.47

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	97
2	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	97
3	Phenanthrene, 3-methyl-	192	C15H12	000832-71-3	96
4	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	95
5	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	95





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Data File : BG020274.D
Acq On : 18 Dec 2015 14:19
Operator : UM/SJ
Sample : G4767-07DL2 30X
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N29DL2

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

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

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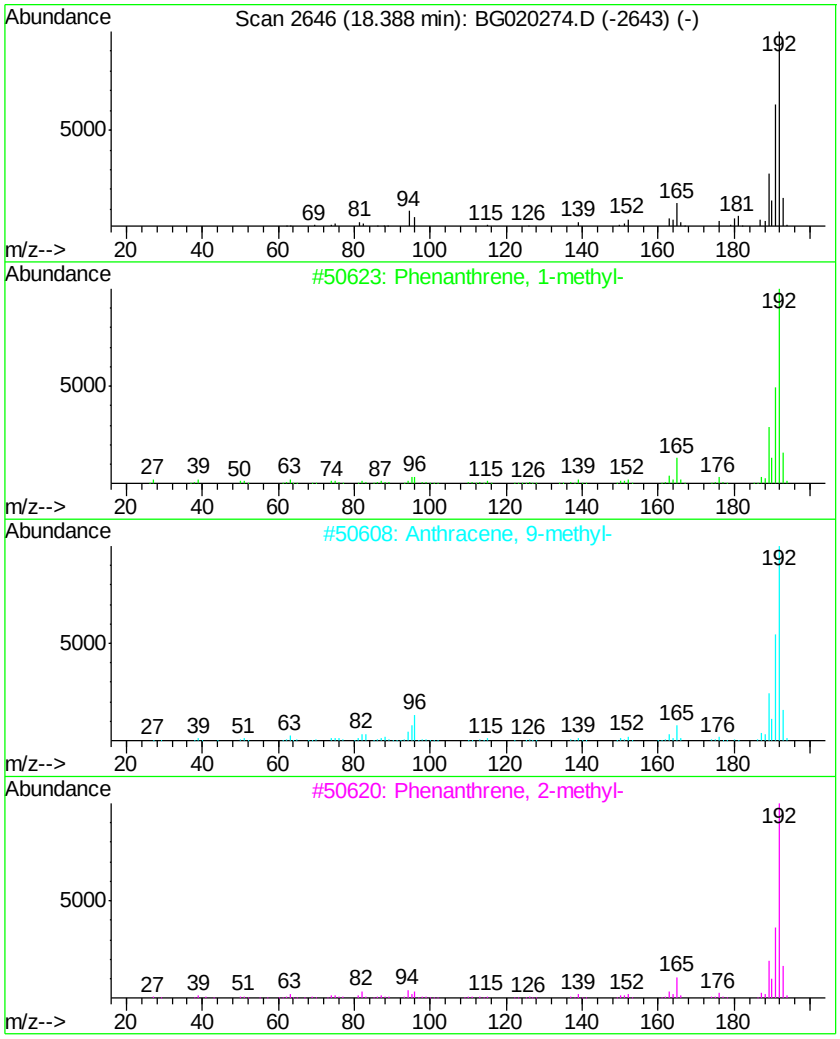
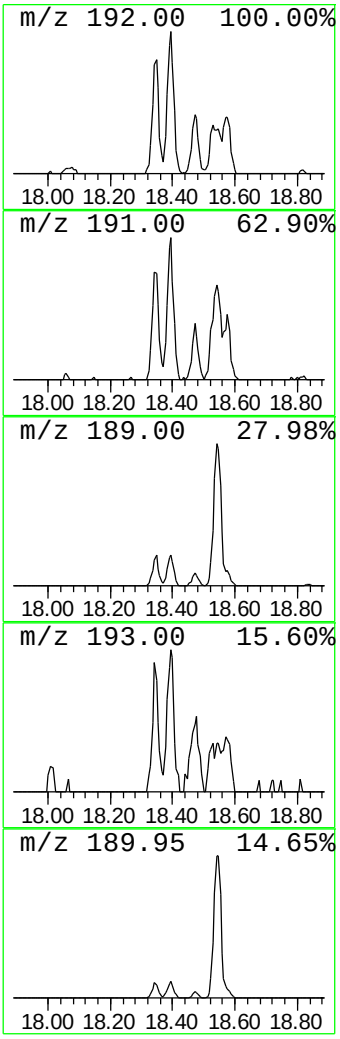
Peak Number 11 Phenanthrene, 1-methyl- Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.39	3.66 ng/ul	56732	Phenanthrene-d10	17.47

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	97
2	Anthracene, 9-methyl-	192	C15H12	000779-02-2	95
3	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	95
4	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	93
5	Anthracene, 2-methyl-	192	C15H12	000613-12-7	93





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Data File : BG020274.D
Acq On : 18 Dec 2015 14:19
Operator : UM/SJ
Sample : G4767-07DL2 30X
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N29DL2

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

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

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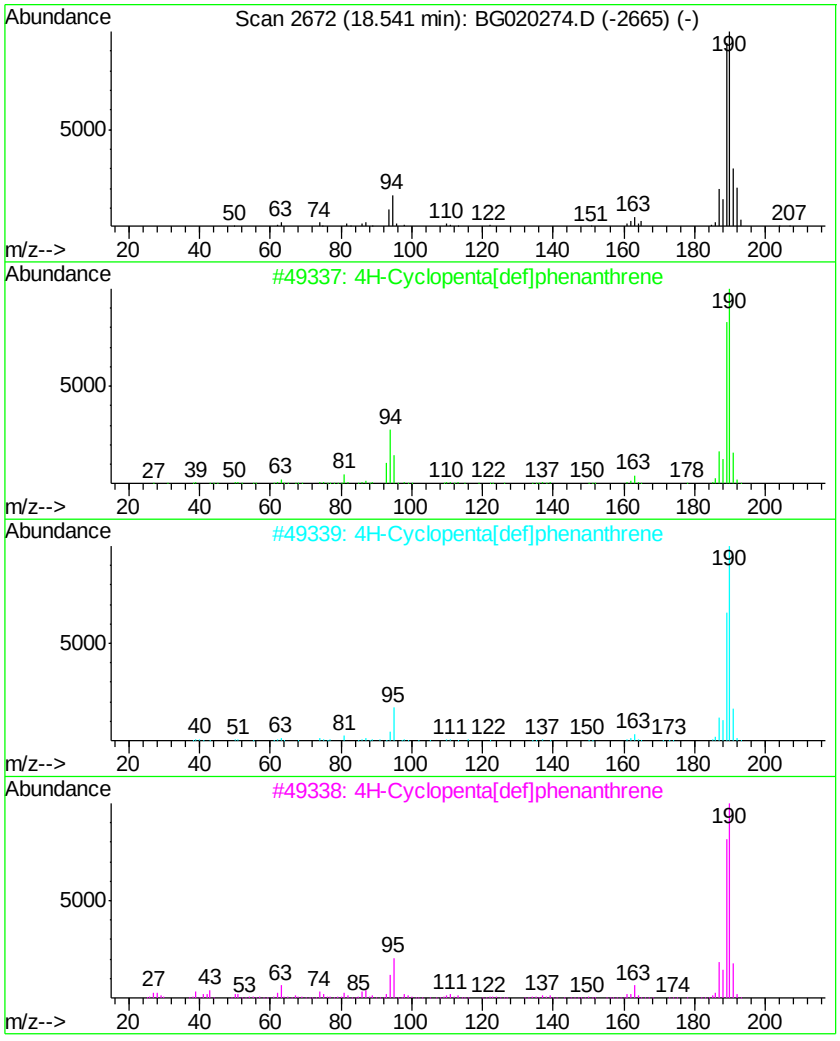
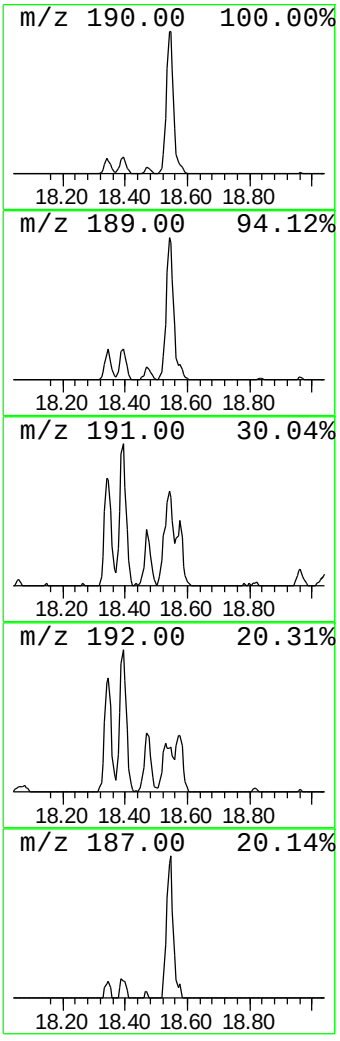
Peak Number 12 4H-Cyclopenta[def]phenanthrene Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.54	7.24 ng/ul	112249	Phenanthrene-d10	17.47

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	72
3	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	68
4	6H-Cyclobuta[jk]phenanthrene	190	C15H10	083469-43-6	50
5	Thiophene-3-carboxaldehyde, 5-ch...	190	C5H4BClO3S	036155-87-0	40





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Data File : BG020274.D
Acq On : 18 Dec 2015 14:19
Operator : UM/SJ
Sample : G4767-07DL2 30X
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N29DL2

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

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

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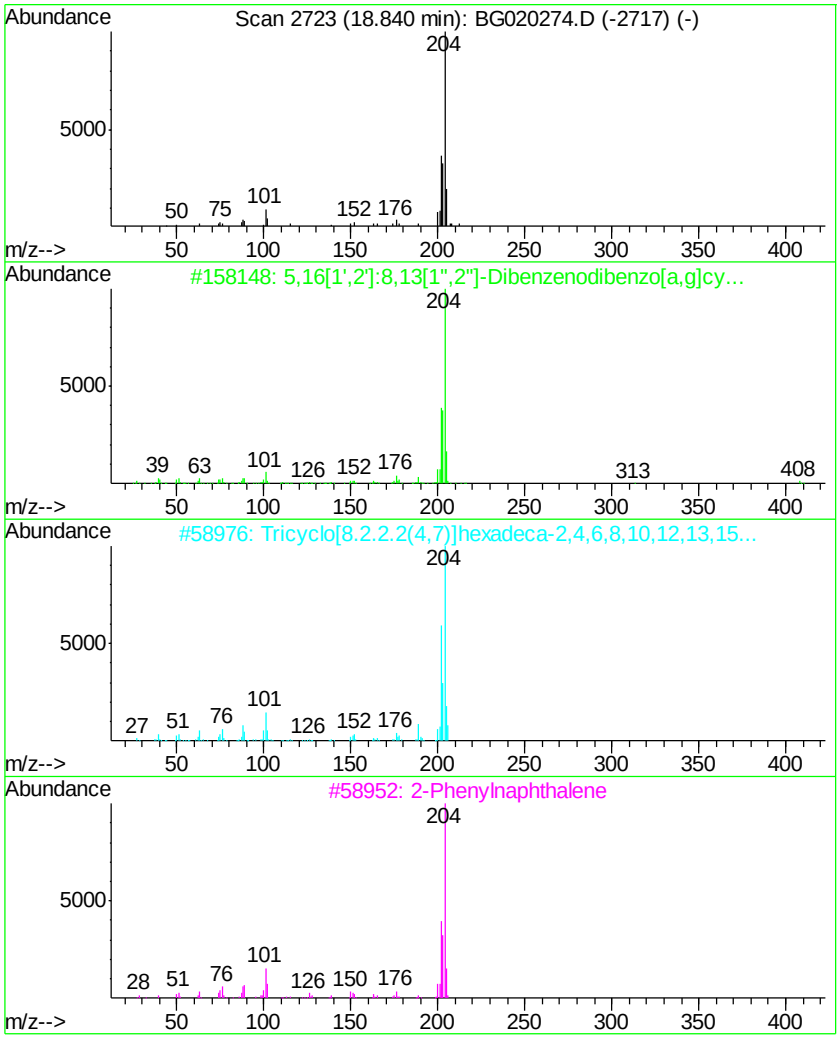
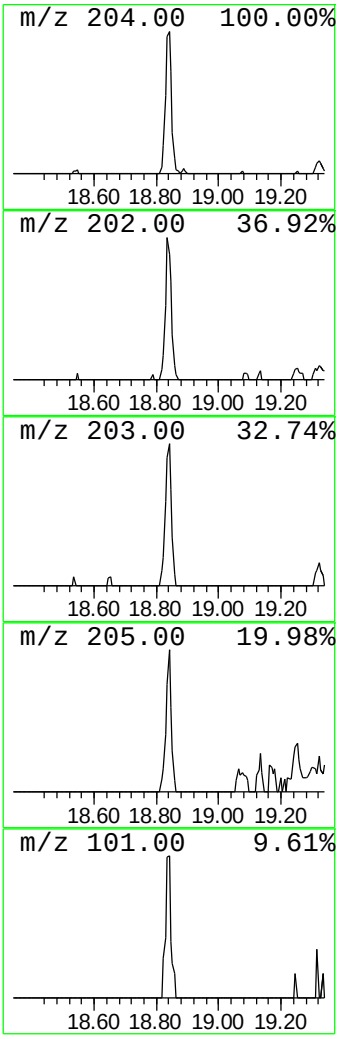
Peak Number 13 5,16[1',2']:8,13[1'',2'']-D... Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.84	2.29 ng/ul	35498	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	Tricyclo[8.2.2.2(4,7)]hexadeca-2...	204	C16H12	006572-60-7	87
3	2-Phenylnaphthalene	204	C16H12	035465-71-5	81
4	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	81
5	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	81





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Operator : UM/SJ
Sample : G4767-07DL2 30X
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N29DL2

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

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

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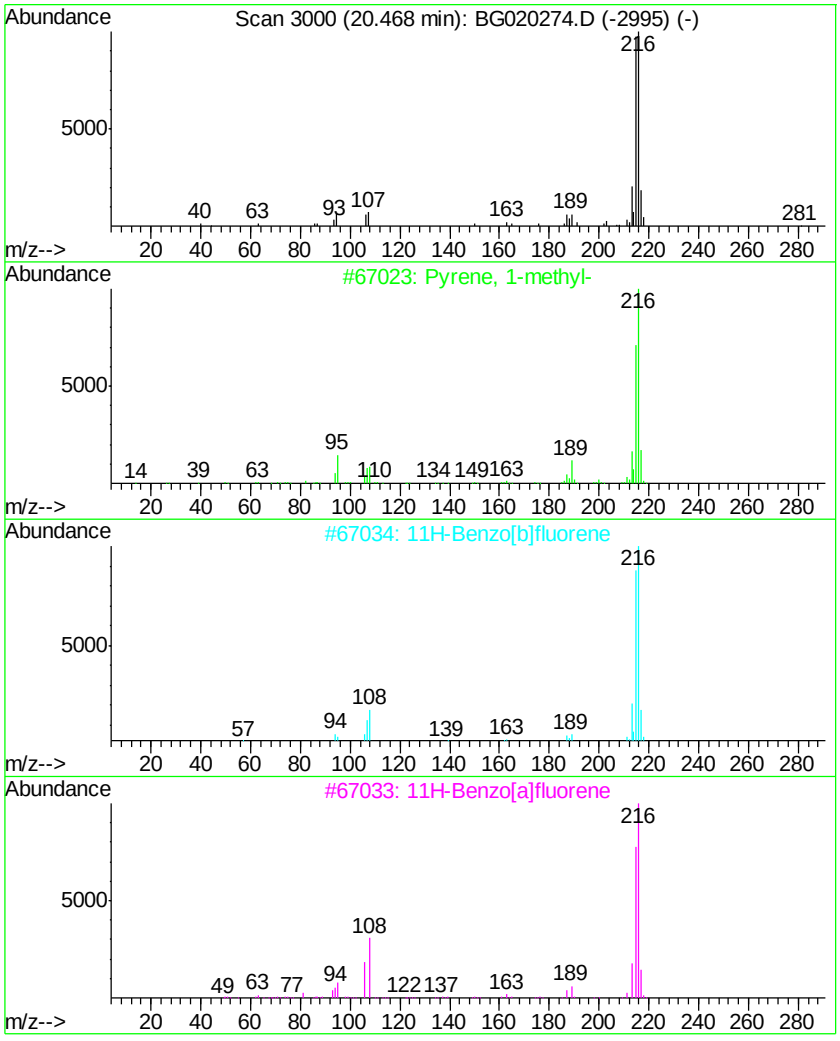
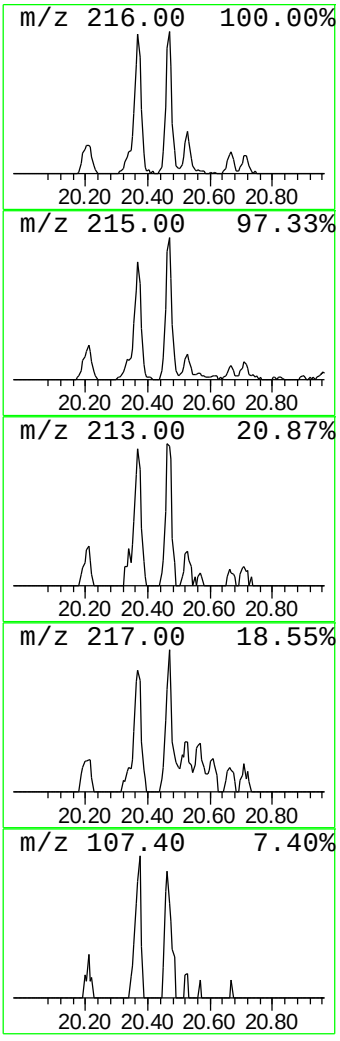
Peak Number 14 Pyrene, 1-methyl- Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.47	2.04 ng/ul	50944	Chrysene-d12	21.75

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene, 1-methyl-	216	C17H12	002381-21-7	94
2	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	93
3	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	90
4	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	90
5	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	83





Tentatively Identified Compound (LSC) summary

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG121915\
Data File : BG020274.D
Acq On : 18 Dec 2015 14:19
Operator : UM/SJ
Sample : G4767-07DL2 30X
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N29DL2

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
unknown-01	3.19	2.5	ng/ul	10589	1	8.09	83931	20.0
Naphthalene, 1-me...	12.78	9.4	ng/ul	66431	2	10.91	140908	20.0
Naphthalene, 1,3-...	13.90	2.5	ng/ul	30507	3	14.73	240680	20.0
Naphthalene, 2,6-...	14.05	2.4	ng/ul	29059	3	14.73	240680	20.0
1,1'-Biphenyl, 2-...	15.93	2.4	ng/ul	28418	3	14.73	240680	20.0
Dibenzofuran, 4-m...	16.06	2.4	ng/ul	28871	3	14.73	240680	20.0
9H-Fluoren-9-ol	16.21	2.9	ng/ul	45116	4	17.47	310153	20.0
Dibenzothiophene	17.29	3.5	ng/ul	54262	4	17.47	310153	20.0
Phenanthrene, 2-m...	18.35	2.8	ng/ul	43176	4	17.47	310153	20.0
Phenanthrene, 1-m...	18.39	3.7	ng/ul	56732	4	17.47	310153	20.0
4H-Cyclopenta[def...	18.54	7.2	ng/ul	112249	4	17.47	310153	20.0
5,16[1',2']:8,13[...	18.84	2.3	ng/ul	35498	4	17.47	310153	20.0
Pyrene, 1-methyl-	20.47	2.0	ng/ul	50944	5	21.75	499424	20.0