LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG011516\
Data File : BG020747.D
Acq On : 15 Jan 2016 11:27
Operator : SJ/IZ
Sample : H1101-07
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BC9E8

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-BG011216.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	3.049	31	36	41	rBV	53733	98411	13.25%	1.168%
2	3.131	45	50	57	rVB	113922	158801	21.39%	1.884%
3	3.842	167	171	176	rVB3	2094	3157	0.43%	0.037%
4	3.942	185	188	196	rVB	11136	16725	2.25%	0.198%
5	7.203	737	743	753	rBV	34128	63667	8.57%	0.756%
6	7.362	764	770	781	rBV	29357	50149	6.75%	0.595%
7	7.573	798	806	814	rBV2	39242	66406	8.94%	0.788%
8	8.043	878	886	895	rBV	66567	108544	14.62%	1.288%
9	8.754	1002	1007	1016	rBV	33322	56757	7.64%	0.674%
10	9.212	1079	1085	1096	rBV	38066	68184	9.18%	0.809%
11	9.941	1203	1209	1217	rBV2	33457	58824	7.92%	0.698%
12	10.481	1295	1301	1313	rBV	50749	91663	12.35%	1.088%
13	10.857	1357	1365	1372	rBV	95858	168640	22.71%	2.001%
14	10.998	1382	1389	1398	rBV2	20701	41193	5.55%	0.489%
15	14.007	1895	1901	1904	rVB	1722	2864	0.39%	0.034%
16	14.077	1906	1913	1917	rVV	115711	165060	22.23%	1.959%
17	14.124	1917	1921	1928	rVV	64923	96090	12.94%	1.140%
18	14.377	1957	1964	1975	rBV	125966	196252	26.43%	2.329%
19	14.553	1989	1994	1998	rBV	7410	9151	1.23%	0.109%
20	14.682	2009	2016	2022	rBV2	168709	266794	35.93%	3.166%
21	14.747	2022	2027	2033	rVB	7211	11290	1.52%	0.134%
22	14.894	2047	2052	2064	rBV2	22414	45214	6.09%	0.537%
23	15.076	2080	2083	2087	rVB2	2712	3438	0.46%	0.041%
24	15.170	2097	2099	2104	rVB2	2469	3153	0.42%	0.037%
25	15.458	2144	2148	2151	rBV3	2640	4071	0.55%	0.048%
26	15.499	2151	2155	2159	rVB	10827	14652	1.97%	0.174%
27	15.669	2179	2184	2190	rVV	172487	267579	36.04%	3.175%
28	15.722	2190	2193	2200	rVB	9901	14556	1.96%	0.173%
29	15.805	2202	2207	2213	rBV	34945	55898	7.53%	0.663%
30	16.016	2237	2243	2247	rVV3	2588	5197	0.70%	0.062%
31	16.169	2265	2269	2276	rVB4	2998	5128	0.69%	0.061%
32	16.363	2297	2302	2305	rBV2	12464	18230	2.46%	0.216%
33	16.704	2356	2360	2361	rBV2	3599	4595	0.62%	0.055%
34	16.733	2363	2365	2368	rVV2	5027	5940	0.80%	0.070%

LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG011516\
Data File : BG020747.D
Acq On : 15 Jan 2016 11:27
Operator : SJ/IZ
Sample : H1101-07
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BC9E8

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-BG011216.M
Title : SVOA CALIBRATION

35	16.780	2368	2373	2377	rVV5	3490	6664	0.90%	0.079%
36	16.874	2384	2389	2395	rVV4	3652	6963	0.94%	0.083%
37	16.956	2395	2403	2406	rVV5	3557	7507	1.01%	0.089%
38	16.997	2406	2410	2413	rVV2	3178	5633	0.76%	0.067%
39	17.080	2421	2424	2429	rVV2	4853	7829	1.05%	0.093%
40	17.127	2429	2432	2435	rVV2	12440	16740	2.25%	0.199%
41	17.156	2435	2437	2442	rVV3	10916	13145	1.77%	0.156%
42	17.203	2442	2445	2449	rVV3	3817	6119	0.82%	0.073%
43	17.244	2449	2452	2463	rVB	5785	9256	1.25%	0.110%
44	17.426	2477	2483	2487	rBV2	231354	352817	47.52%	4.187%
45	17.467	2487	2490	2495	rVB	123952	171525	23.10%	2.035%
46	17.526	2495	2500	2505	rBV2	195146	292853	39.44%	3.475%
47	17.626	2515	2517	2521	rVB2	4075	3751	0.51%	0.045%
48	17.832	2546	2552	2559	rVV3	11642	24421	3.29%	0.290%
49	17.896	2559	2563	2567	rVV4	5554	8595	1.16%	0.102%
50	17.943	2567	2571	2575	rVV2	3496	5040	0.68%	0.060%
51	18.014	2577	2583	2589	rVB4	5368	9728	1.31%	0.115%
52	18.149	2603	2606	2615	rVB3	3396	6825	0.92%	0.081%
53	18.302	2627	2632	2636	rVV	31066	49616	6.68%	0.589%
54	18.349	2636	2640	2646	rVB	38339	59427	8.00%	0.705%
55	18.431	2646	2654	2659	rBV2	9199	15410	2.08%	0.183%
56	18.496	2659	2665	2669	rBV3	36895	76736	10.34%	0.911%
57	18.531	2669	2671	2677	rVB	23768	29369	3.96%	0.349%
58	18.584	2677	2680	2682	rBV2	2826	3720	0.50%	0.044%
59	18.654	2687	2692	2695	rBV5	3250	4591	0.62%	0.054%
60	18.701	2695	2700	2702	rVV5	3501	5195	0.70%	0.062%
61	18.795	2712	2716	2720	rVV	19888	26098	3.51%	0.310%
62	18.848	2720	2725	2731	rVB2	25400	41197	5.55%	0.489%
63	19.042	2750	2758	2762	rBV6	11151	19619	2.64%	0.233%
64	19.095	2762	2767	2770	rBV	11918	16496	2.22%	0.196%
65	19.130	2770	2773	2780	rVB5	9919	13878	1.87%	0.165%
66	19.212	2781	2787	2792	rBV	33207	54340	7.32%	0.645%
67	19.265	2792	2796	2801	rBV5	9787	20128	2.71%	0.239%
68	19.353	2806	2811	2817	rBV6	13978	29211	3.93%	0.347%
69	19.477	2824	2832	2838	rBV	279821	392162	52.82%	4.654%
70	19.530	2838	2841	2845	rBV2	6688	7977	1.07%	0.095%
71	19.571	2845	2848	2852	rVB4	11940	14998	2.02%	0.178%

LSC Area Percent Report

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Data File : BG020747.D
Acq On : 15 Jan 2016 11:27
Operator : SJ/IZ
Sample : H1101-07
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BC9E8

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-BG011216.M
Title : SVOA CALIBRATION

72	19.624	2855	2857	2859	rBV2	2678	2877	0.39%	0.034%
73	19.677	2862	2866	2869	rBV3	6006	11201	1.51%	0.133%
74	19.812	2883	2889	2892	rBV2	300947	488263	65.76%	5.794%
75	19.841	2892	2894	2901	rVB	262472	319184	42.99%	3.788%
76	19.906	2901	2905	2912	rVB	24874	37474	5.05%	0.445%
77	20.017	2921	2924	2929	rVB	13491	20628	2.78%	0.245%
78	20.076	2930	2934	2940	rVB4	11915	22474	3.03%	0.267%
79	20.158	2943	2948	2949	rBV5	26368	38931	5.24%	0.462%
80	20.329	2966	2977	2982	rBV	60647	134293	18.09%	1.594%
81	20.429	2990	2994	2998	rBV	48822	65620	8.84%	0.779%
82	20.487	3001	3004	3008	rVB	34313	43977	5.92%	0.522%
83	20.628	3024	3028	3032	rBV	30461	42835	5.77%	0.508%
84	20.675	3032	3036	3044	rVB2	28466	50777	6.84%	0.603%
85	20.881	3068	3071	3074	rBV5	8730	13732	1.85%	0.163%
86	21.092	3104	3107	3114	rVB	30175	46399	6.25%	0.551%
87	21.281	3131	3139	3141	rBV3	34053	64576	8.70%	0.766%
88	21.316	3141	3145	3150	rVV2	65532	102500	13.81%	1.216%
89	21.369	3151	3154	3159	rVB2	24473	38334	5.16%	0.455%
90	21.563	3183	3187	3192	rVB	97458	136023	18.32%	1.614%
91	21.698	3202	3210	3215	rBV2	315644	742481	100.00%	8.811%
92	21.745	3215	3218	3231	rVB	151249	260693	35.11%	3.094%
93	21.897	3241	3244	3250	rVB2	20234	29942	4.03%	0.355%
94	22.109	3276	3280	3287	rBV4	33038	56680	7.63%	0.673%
95	23.919	3581	3588	3592	rBV2	122816	339603	45.74%	4.030%
96	24.647	3706	3712	3719	rBV	73743	198489	26.73%	2.355%
97	24.729	3720	3726	3732	rVV	132542	344015	46.33%	4.082%
98	24.794	3733	3737	3748	rVB2	96110	254876	34.33%	3.025%
99	24.953	3757	3764	3772	rVB2	138168	354905	47.80%	4.212%
100	26.034	3942	3948	3959	rVB5	28744	83152	11.20%	0.987%

Sum of corrected areas: 8426786

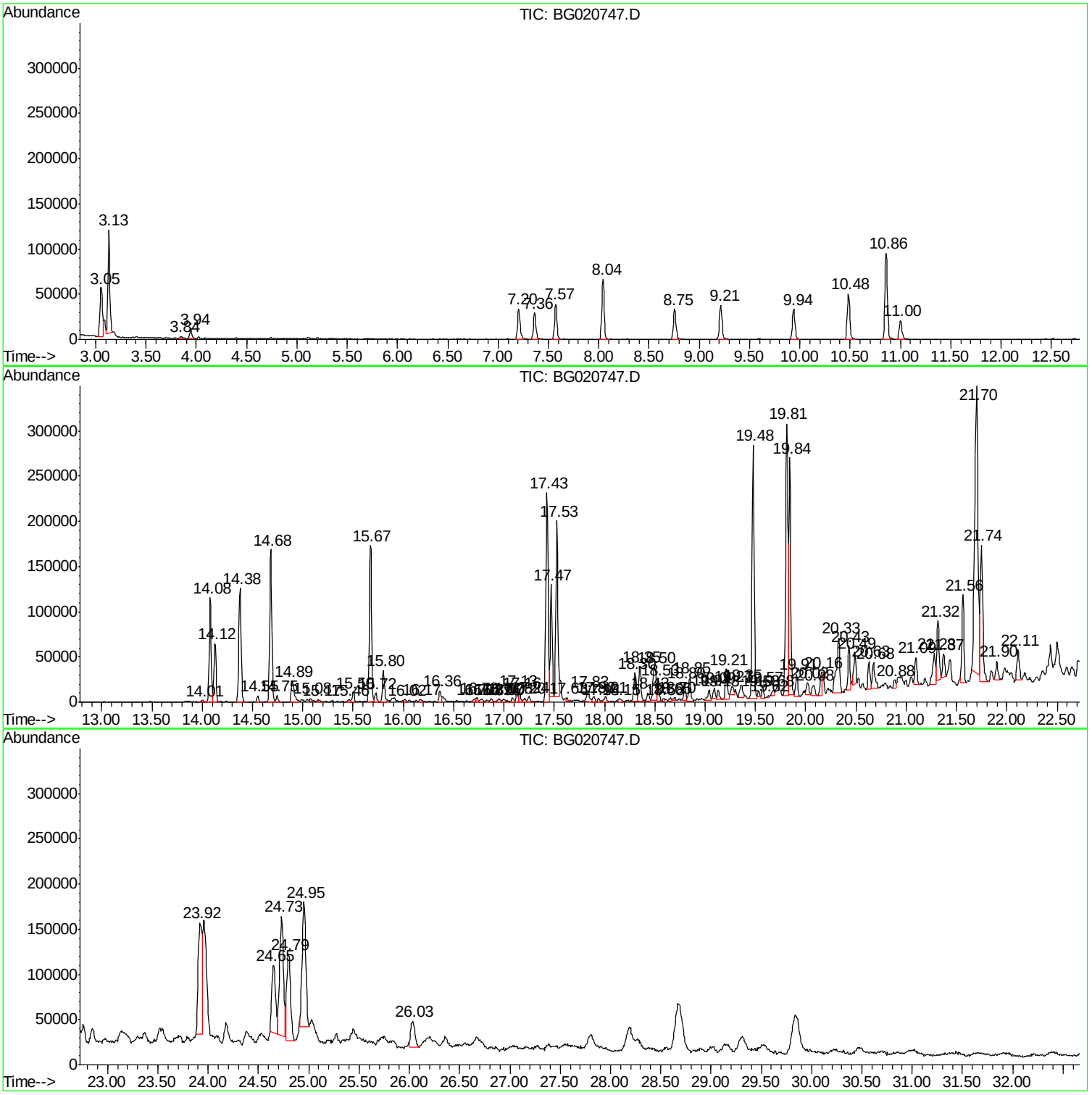
LSC Report - Integrated Chromatogram

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG011516\
Data File : BG020747.D
Acq On : 15 Jan 2016 11:27
Operator : SJ/IZ
Sample : H1101-07
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BC9E8

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG011216.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\BG011516\
Data File : BG020747.D
Acq On : 15 Jan 2016 11:27
Operator : SJ/IZ
Sample : H1101-07
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
BC9E8

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG011216.M
Quant Title : SVOA CALIBRATION

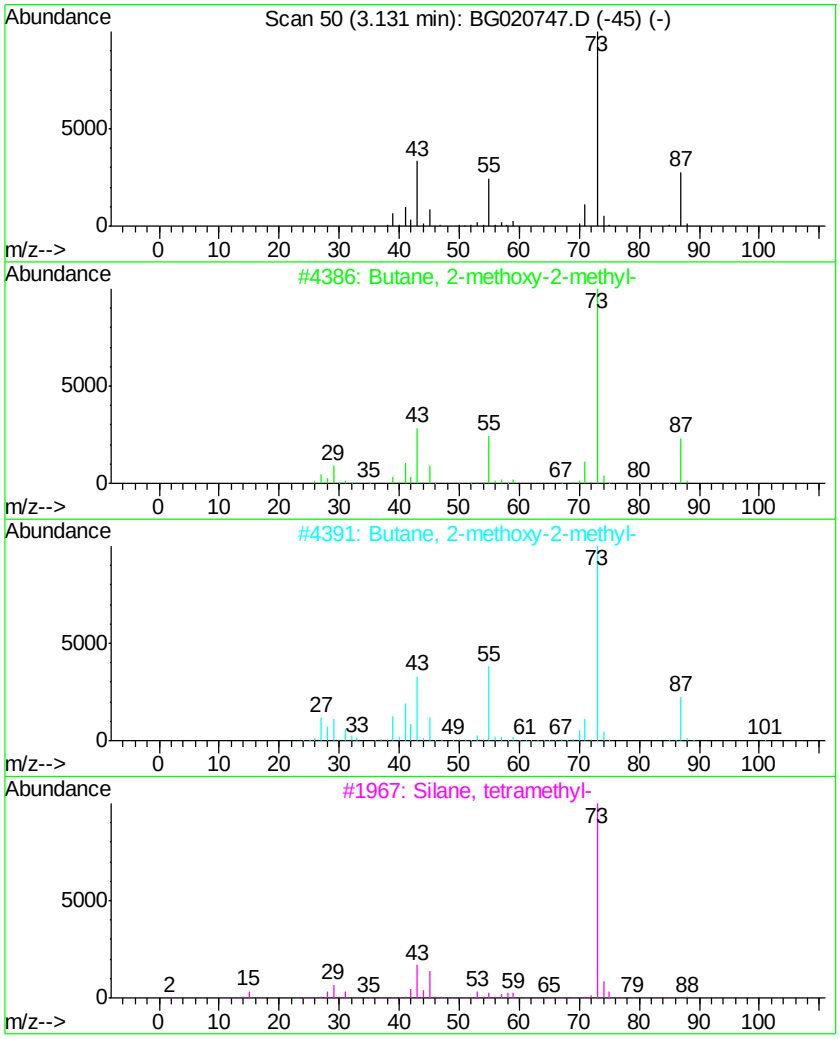
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

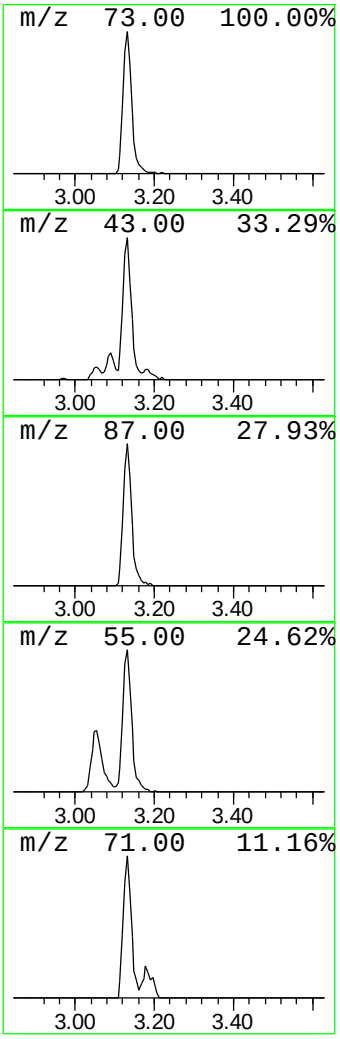
****

Peak Number 2 Butane, 2-methoxy-2-methyl- Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.13	29.26 ng/ul	158801	1,4-Dichlorobenzene-d4	8.04

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Butane, 2-methoxy-2-methyl-	102	C6H14O	000994-05-8	78
2	Butane, 2-methoxy-2-methyl-	102	C6H14O	000994-05-8	78
3	Silane, tetramethyl-	88	C4H12Si	000075-76-3	9
4	N-Ethylformamide	73	C3H7NO	000627-45-2	9
5	Silane, tetramethyl-	88	C4H12Si	000075-76-3	9





Data Path : Z:\HPCHEM1\BNA_G\DATA\BG011516\
Data File : BG020747.D
Acq On : 15 Jan 2016 11:27
Operator : SJ/IZ
Sample : H1101-07
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BC9E8

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG011216.M
Quant Title : SVOA CALIBRATION

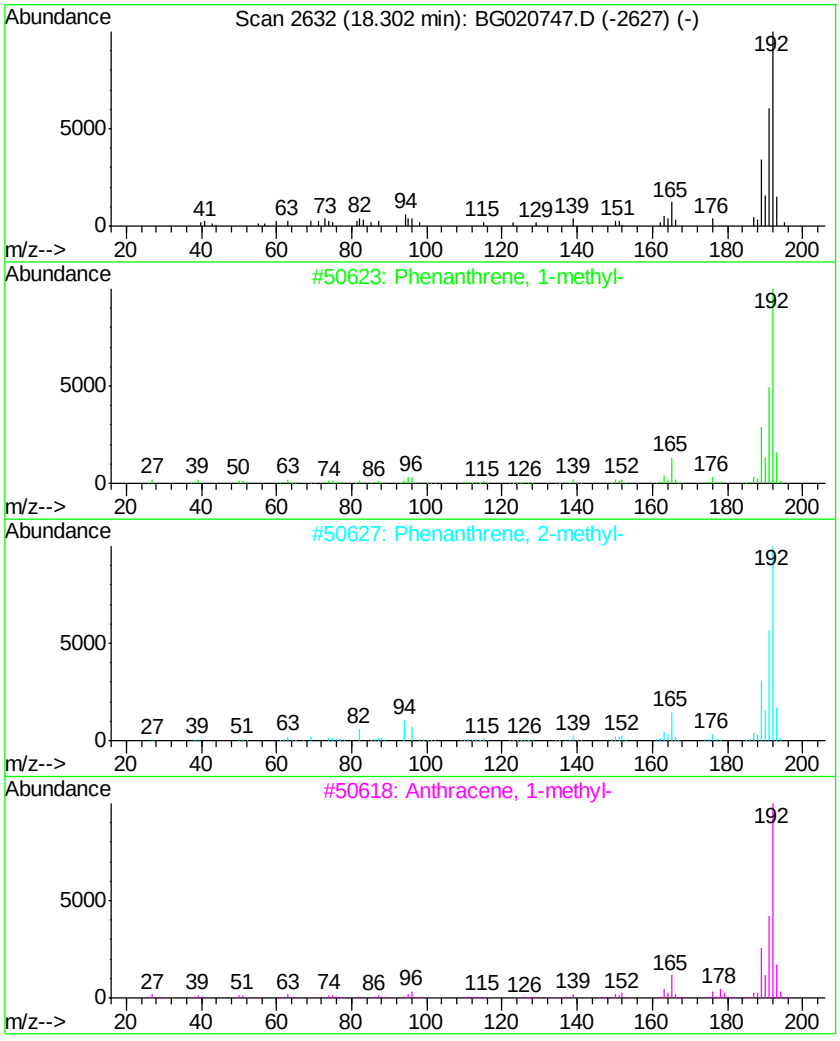
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

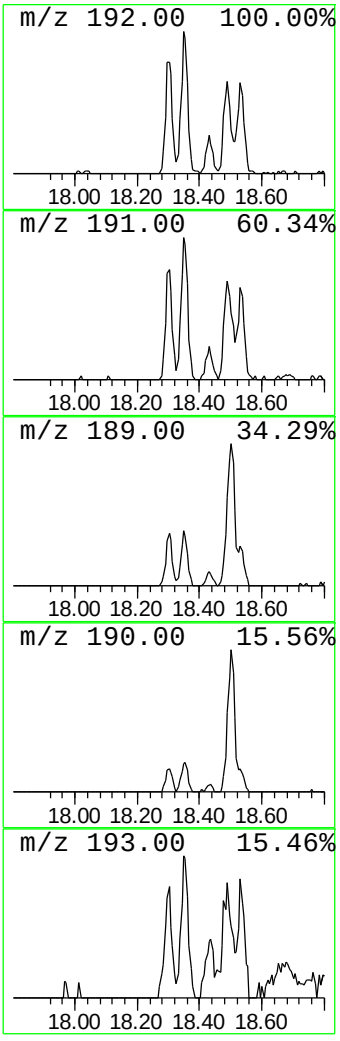
****

Peak Number 4 Phenanthrene, 1-methyl- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.30	2.81 ng/ul	49616	Phenanthrene-d10	17.43

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	95
2	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	93
3	Anthracene, 1-methyl-	192	C15H12	000610-48-0	93
4	Anthracene, 2-methyl-	192	C15H12	000613-12-7	93
5	Anthracene, 2-methyl-	192	C15H12	000613-12-7	91





Data Path : Z:\HPCHEM1\BNA_G\DATA\BG011516\
Data File : BG020747.D
Acq On : 15 Jan 2016 11:27
Operator : SJ/IZ
Sample : H1101-07
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BC9E8

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG011216.M
Quant Title : SVOA CALIBRATION

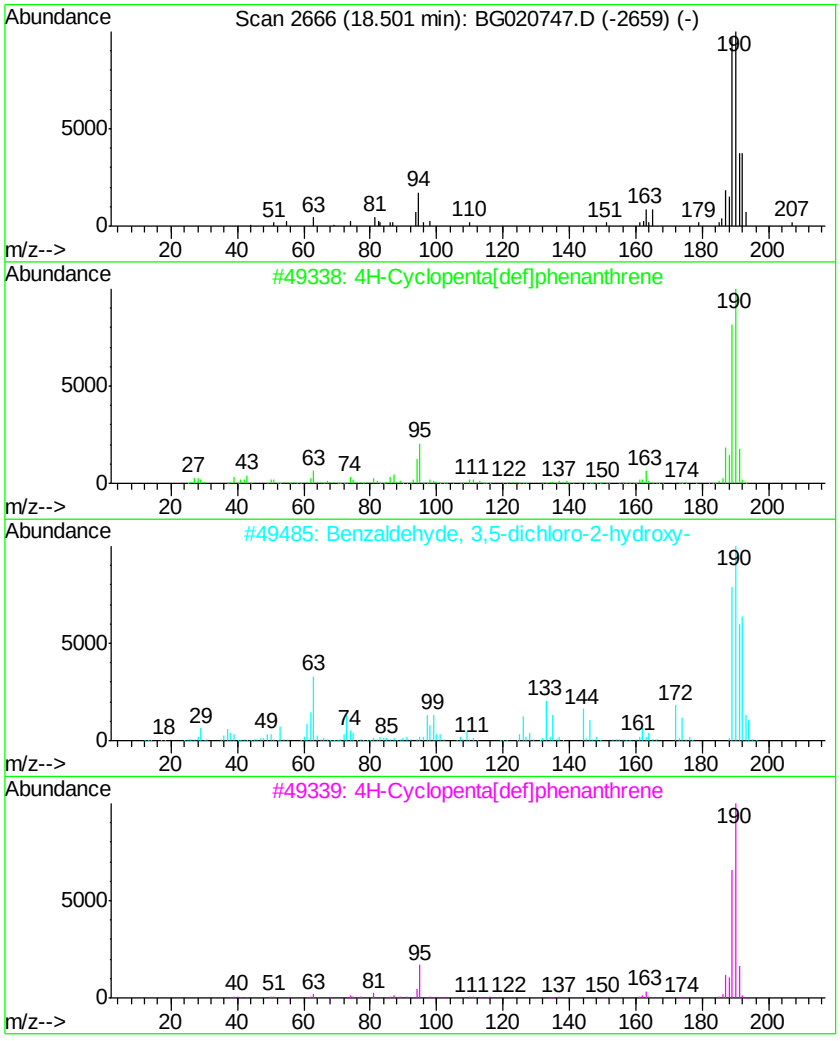
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

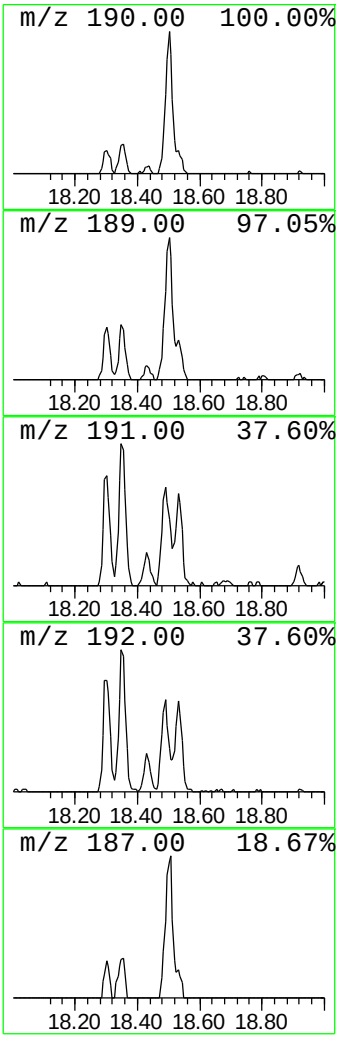
****

Peak Number 6 4H-Cyclopenta[def]phenanthrene Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.50	4.35 ng/ul	76736	Phenanthrene-d10	17.43

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	52
2	Benzaldehyde, 3,5-dichloro-2-hyd...	190	C7H4Cl2O2	000090-60-8	52
3	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	46
4	Methyl diselenide	190	C2H6Se2	007101-31-7	41
5	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	38





Data Path : Z:\HPCHEM1\BNA_G\DATA\BG011516\
Data File : BG020747.D
Acq On : 15 Jan 2016 11:27
Operator : SJ/IZ
Sample : H1101-07
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BC9E8

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG011216.M
Quant Title : SVOA CALIBRATION

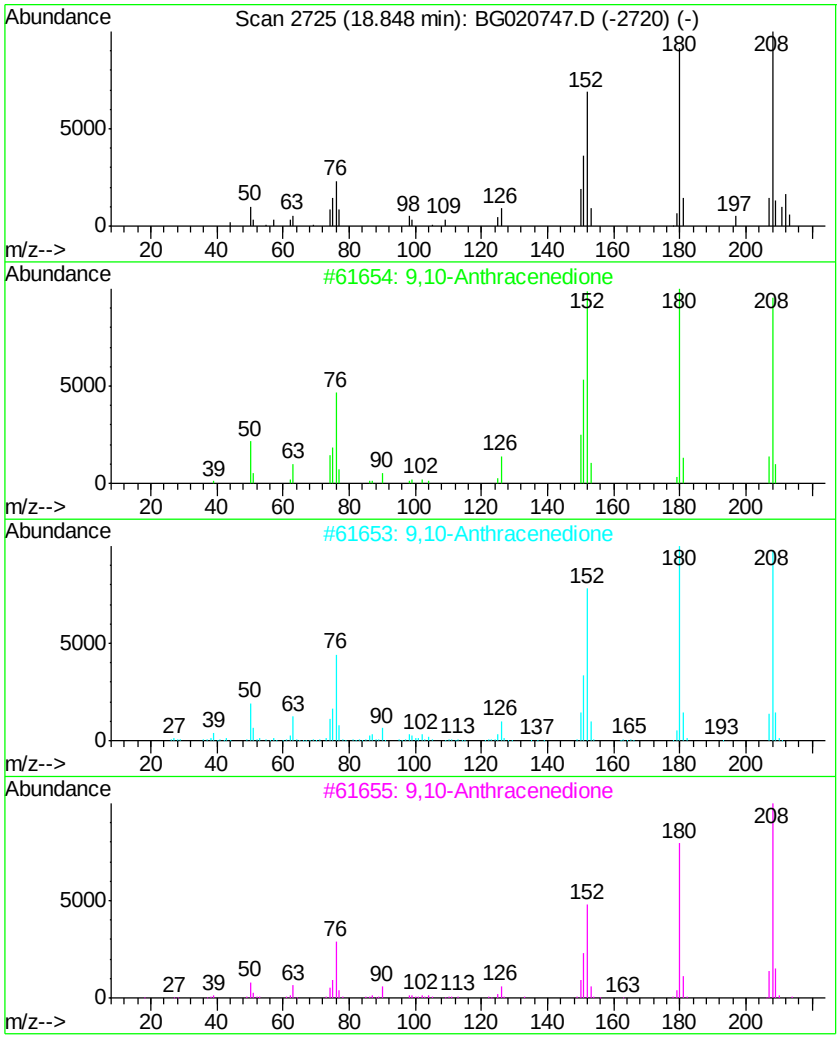
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

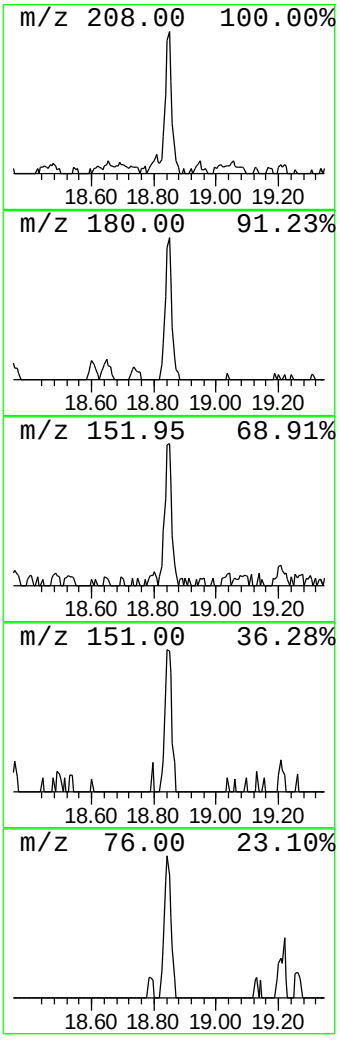
****

Peak Number 7 9,10-Anthracenedione Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.85	2.34 ng/ul	41197	Phenanthrene-d10	17.43

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9,10-Anthracenedione	208	C14H8O2	000084-65-1	96
2	9,10-Anthracenedione	208	C14H8O2	000084-65-1	95
3	9,10-Anthracenedione	208	C14H8O2	000084-65-1	94
4	9H-Fluoren-9-one	180	C13H8O	000486-25-9	55
5	Benzo[c]cinnoline	180	C12H8N2	000230-17-1	55





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG011516\
Data File : BG020747.D
Acq On : 15 Jan 2016 11:27
Operator : SJ/IZ
Sample : H1101-07
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BC9E8

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG011216.M
Quant Title : SVOA CALIBRATION

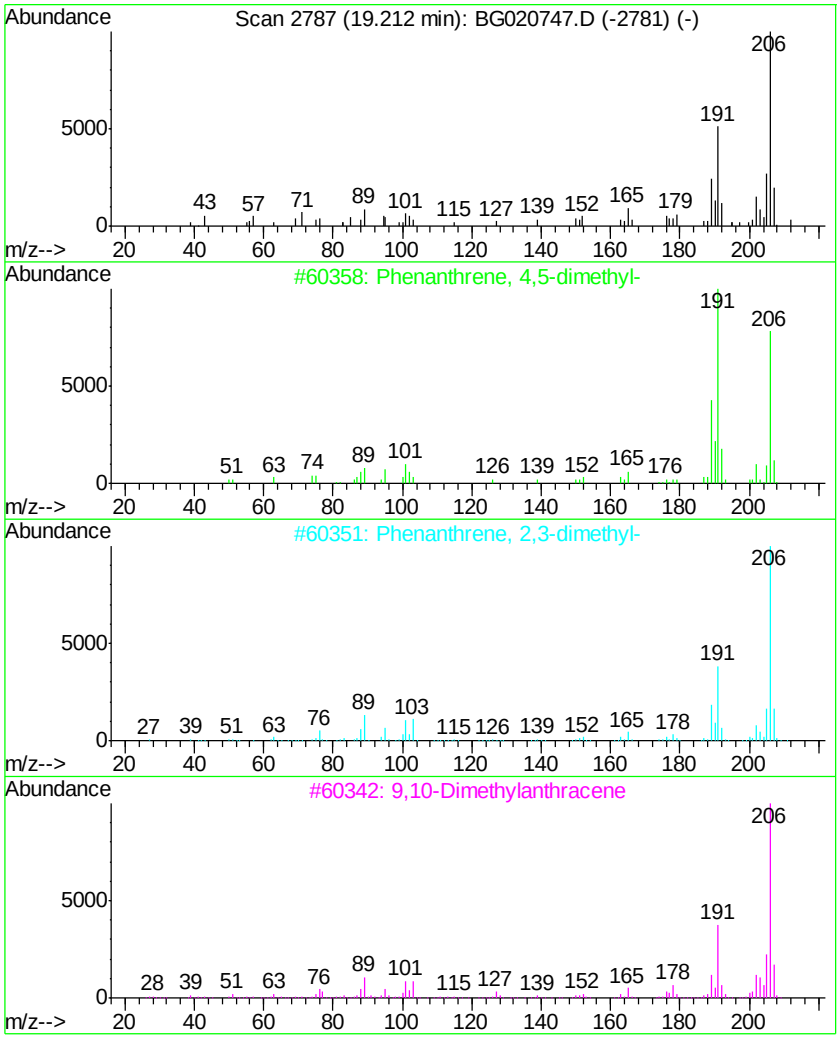
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

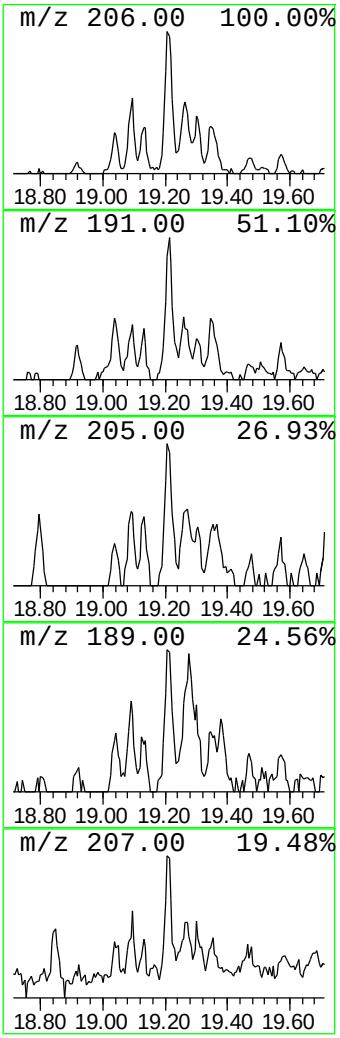
****

Peak Number 8 Phenanthrene, 4,5-dimethyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.21	3.08 ng/ul	54340	Phenanthrene-d10	17.43

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 4,5-dimethyl-	206	C16H14	003674-69-9	91
2	Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	90
3	9,10-Dimethylanthracene	206	C16H14	000781-43-1	90
4	Anthracene, 1,4-dimethyl-	206	C16H14	000781-92-0	90
5	9,10-Dimethylanthracene	206	C16H14	000781-43-1	87





Data Path : Z:\HPCHEM1\BNA_G\DATA\BG011516\
Data File : BG020747.D
Acq On : 15 Jan 2016 11:27
Operator : SJ/IZ
Sample : H1101-07
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BC9E8

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG011216.M
Quant Title : SVOA CALIBRATION

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

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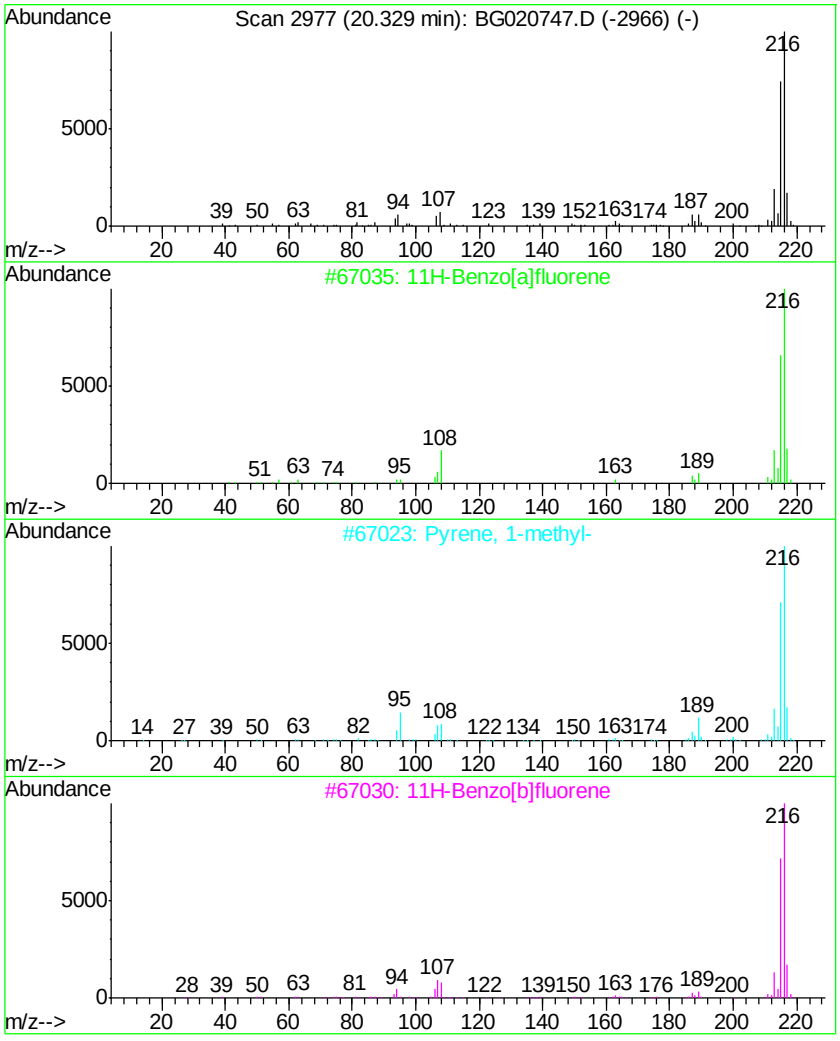
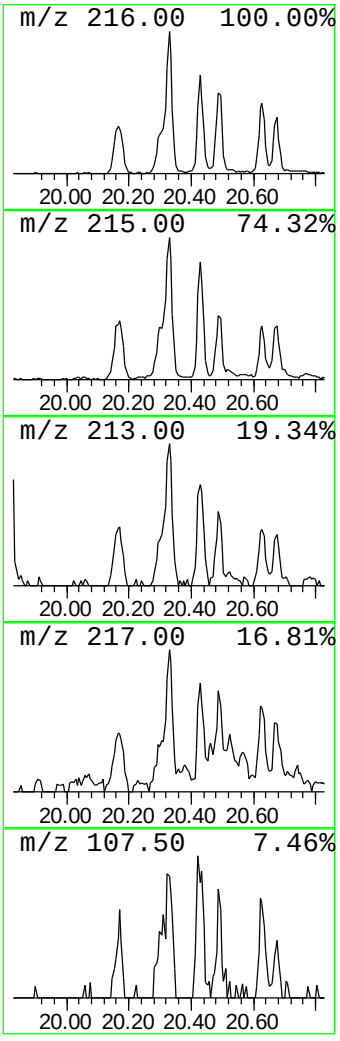
Peak Number 9 11H-Benzo[a]fluorene Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.33	3.62 ng/ul	134293	Chrysene-d12	21.70

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	95
2	Pyrene, 1-methyl-	216	C17H12	002381-21-7	95
3	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	94
4	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	94
5	Pyrene, 1-methyl-	216	C17H12	002381-21-7	93





Data Path : Z:\HPCHEM1\BNA_G\DATA\BG011516\
Data File : BG020747.D
Acq On : 15 Jan 2016 11:27
Operator : SJ/IZ
Sample : H1101-07
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BC9E8

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG011216.M
Quant Title : SVOA CALIBRATION

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

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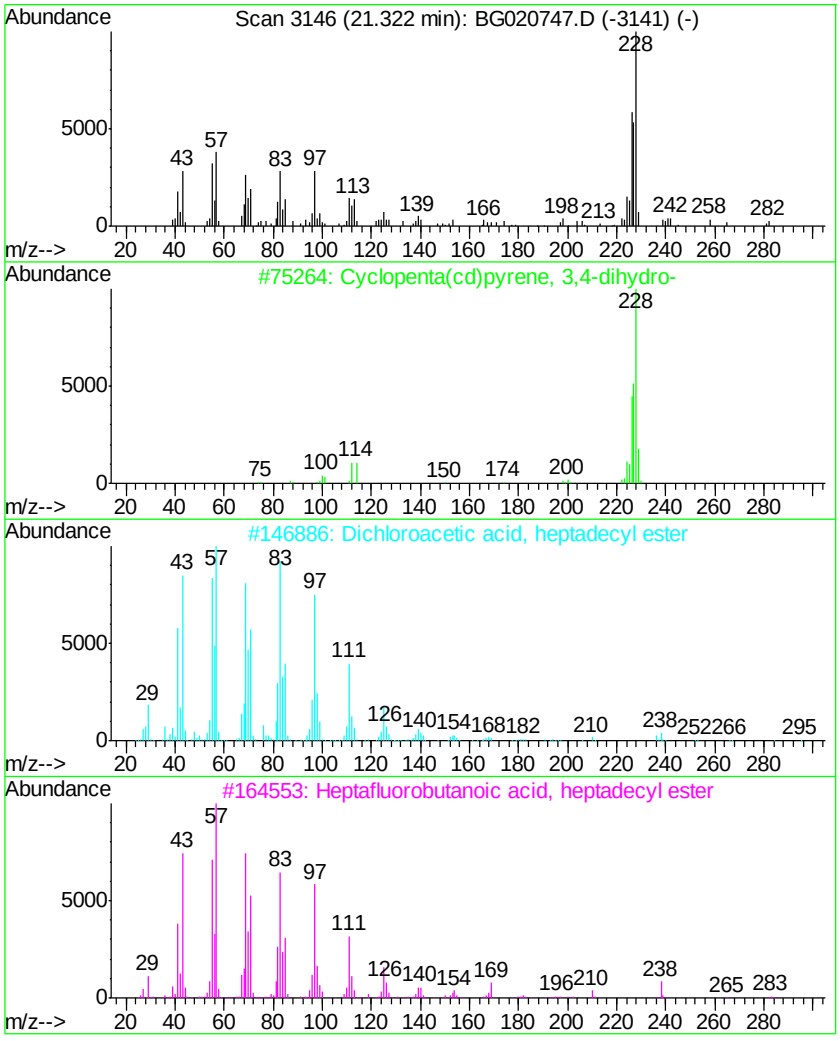
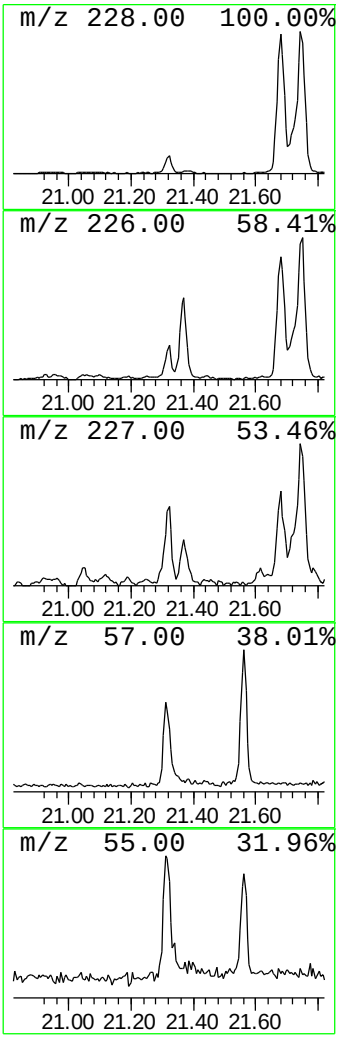
Peak Number 10 unknown-01 Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.32	2.76 ng/ul	102500	Chrysene-d12	21.70

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopenta(cd)pyrene, 3,4-dihydro-	228	C18H12	025732-74-5	35
2	Dichloroacetic acid, heptadecyl ...	366	C19H36Cl2O2	1000282-98-2	35
3	Heptafluorobutanoic acid, heptad...	452	C21H35F7O2	1000282-97-3	35
4	1-Octadecene	252	C18H36	000112-88-9	20
5	Pentafluoropropionic acid, hepta...	402	C20H35F5O2	1000283-04-2	20





Data Path : Z:\HPCHEM1\BNA_G\DATA\BG011516\
Data File : BG020747.D
Acq On : 15 Jan 2016 11:27
Operator : SJ/IZ
Sample : H1101-07
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BC9E8

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG011216.M
Quant Title : SVOA CALIBRATION

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

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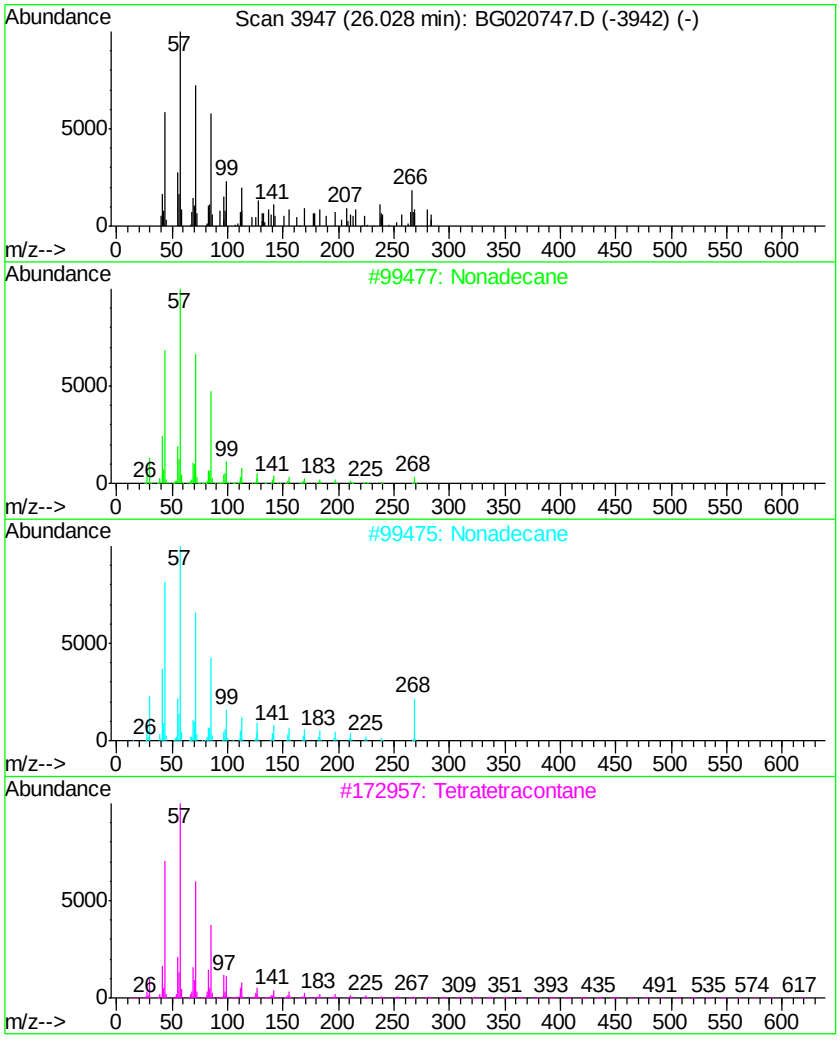
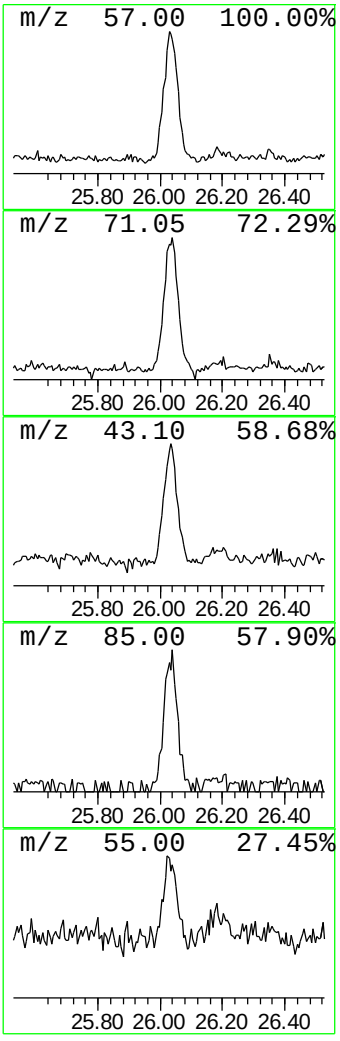
Peak Number 12 (DEL) Alkane: Straight-Chai... Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
26.03	4.69 ng/ul	83152	Perylene-d12	24.95

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Nonadecane	268	C19H40	000629-92-5	78
2	Nonadecane	268	C19H40	000629-92-5	60
3	Tetratetracontane	619	C44H90	007098-22-8	58
4	Triacontane	422	C30H62	000638-68-6	58
5	Pentacosane	352	C25H52	000629-99-2	58





Tentatively Identified Compound (LSC) summary

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG011516\
Data File : BG020747.D
Acq On : 15 Jan 2016 11:27
Operator : SJ/IZ
Sample : H1101-07
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BC9E8

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG011216.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...	3.13	29.3	ng/ul	158801	1	8.04	108544	20.0
Phenanthrene, 1-m...	18.30	2.8	ng/ul	49616	4	17.43	352817	20.0
4H-Cyclopenta[def...	18.50	4.3	ng/ul	76736	4	17.43	352817	20.0
9,10-Anthracenedione	18.85	2.3	ng/ul	41197	4	17.43	352817	20.0
Phenanthrene, 4,5...	19.21	3.1	ng/ul	54340	4	17.43	352817	20.0
11H-Benzo[a]fluorene	20.33	3.6	ng/ul	134293	5	21.70	742481	20.0
unknown-01	21.32	2.8	ng/ul	102500	5	21.70	742481	20.0
(DEL) Alkane: Str...	26.03	4.7	ng/ul	83152	6	24.95	354905	20.0