LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG011416\
Data File : BG020738.D
Acq On : 15 Jan 2016 00:27
Operator : SJ/IZ
Sample : H1101-11
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BC9F2

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	3.055	31	37	41	rBV	61951	119051	21.69%	2.015%
2	3.131	46	50	56	rVV	132132	193539	35.27%	3.276%
3	3.184	56	59	64	rVB	10785	17073	3.11%	0.289%
4	3.842	168	171	177	rVB2	4392	6073	1.11%	0.103%
5	3.948	184	189	195	rBV	17524	26528	4.83%	0.449%
6	4.024	198	202	209	rVB2	3060	4655	0.85%	0.079%
7	4.400	261	266	273	rVB	25416	37444	6.82%	0.634%
8	4.818	332	337	346	rBV	21553	32516	5.93%	0.550%
9	5.205	399	403	412	rVB4	3270	6195	1.13%	0.105%
10	7.203	738	743	751	rBV	31260	55964	10.20%	0.947%
11	7.362	764	770	778	rBV	28641	48420	8.82%	0.820%
12	7.573	800	806	814	rVB	34695	58695	10.70%	0.994%
13	8.043	879	886	895	rBV	64045	109866	20.02%	1.860%
14	8.760	1001	1008	1017	rVB2	7272	13072	2.38%	0.221%
15	9.212	1079	1085	1095	rBV	35705	65552	11.95%	1.110%
16	9.941	1202	1209	1219	rVB2	30895	56016	10.21%	0.948%
17	10.482	1296	1301	1312	rBV	41806	74964	13.66%	1.269%
18	10.858	1358	1365	1376	rBV	96410	169531	30.89%	2.870%
19	10.999	1382	1389	1402	rBV	22403	45566	8.30%	0.771%
20	14.077	1905	1913	1918	rVV	107712	156587	28.54%	2.651%
21	14.124	1918	1921	1927	rVB	59912	82234	14.99%	1.392%
22	14.377	1957	1964	1972	rBV	115093	179962	32.79%	3.046%
23	14.553	1991	1994	1997	rBB2	3260	3889	0.71%	0.066%
24	14.683	2009	2016	2023	rBV2	164033	260911	47.55%	4.416%
25	14.747	2023	2027	2033	rVB2	3062	4382	0.80%	0.074%
26	14.900	2048	2053	2062	rBV2	19207	40140	7.31%	0.679%
27	15.076	2080	2083	2089	rVV4	1994	3787	0.69%	0.064%
28	15.499	2151	2155	2160	rVB4	6137	8472	1.54%	0.143%
29	15.670	2176	2184	2190	rBV	162016	251176	45.77%	4.252%
30	15.722	2190	2193	2200	rVB4	6296	9621	1.75%	0.163%
31	15.805	2200	2207	2213	rBV	31989	50231	9.15%	0.850%
32	16.363	2296	2302	2305	rBV3	6374	8393	1.53%	0.142%
33	16.780	2369	2373	2379	rBV5	3903	5976	1.09%	0.101%
34	16.880	2385	2390	2396	rVB2	2985	4445	0.81%	0.075%

LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG011416\
Data File : BG020738.D
Acq On : 15 Jan 2016 00:27
Operator : SJ/IZ
Sample : H1101-11
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BC9F2

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	17.156	2433	2437	2441	rVV3	4225	6165	1.12%	0.104%
36	17.250	2449	2453	2458	rVB2	2498	4343	0.79%	0.074%
37	17.426	2477	2483	2487	rBV2	226648	339999	61.96%	5.755%
38	17.467	2487	2490	2495	rVV	63811	94453	17.21%	1.599%
39	17.526	2495	2500	2510	rVV2	183049	288832	52.63%	4.889%
40	17.614	2510	2515	2520	rVB5	2404	4667	0.85%	0.079%
41	17.832	2549	2552	2559	rVV4	2419	6054	1.10%	0.102%
42	17.938	2567	2570	2574	rVV	3977	5474	1.00%	0.093%
43	18.014	2578	2583	2589	rVB2	4557	7555	1.38%	0.128%
44	18.149	2603	2606	2612	rVB	2455	4260	0.78%	0.072%
45	18.302	2627	2632	2636	rBV3	29409	41512	7.56%	0.703%
46	18.349	2636	2640	2648	rVB	31605	46492	8.47%	0.787%
47	18.431	2648	2654	2659	rBV2	9420	15021	2.74%	0.254%
48	18.496	2659	2665	2669	rBV2	30735	63121	11.50%	1.068%
49	18.531	2669	2671	2679	rVB	24777	30475	5.55%	0.516%
50	18.695	2694	2699	2703	rVB3	2878	4373	0.80%	0.074%
51	18.795	2711	2716	2721	rBV	13794	21359	3.89%	0.362%
52	18.842	2721	2724	2733	rVB3	8981	16279	2.97%	0.276%
53	18.919	2733	2737	2740	rBV2	3008	4120	0.75%	0.070%
54	19.042	2750	2758	2762	rBV4	8543	14469	2.64%	0.245%
55	19.089	2763	2766	2770	rVB2	7828	8176	1.49%	0.138%
56	19.136	2770	2774	2777	rVB3	4737	6288	1.15%	0.106%
57	19.212	2781	2787	2792	rBV2	23628	39057	7.12%	0.661%
58	19.277	2792	2798	2801	rBV5	9858	17517	3.19%	0.297%
59	19.359	2806	2812	2814	rBV3	7582	15396	2.81%	0.261%
60	19.477	2824	2832	2838	rBV	92297	133573	24.34%	2.261%
61	19.536	2838	2842	2845	rVV4	6048	8803	1.60%	0.149%
62	19.577	2845	2849	2853	rVB3	7489	11023	2.01%	0.187%
63	19.718	2868	2873	2876	rVV4	4589	5832	1.06%	0.099%
64	19.812	2882	2889	2892	rBV	263596	392105	71.45%	6.637%
65	19.906	2901	2905	2912	rVB3	10532	16703	3.04%	0.283%
66	20.064	2929	2932	2942	rVB9	5661	11637	2.12%	0.197%
67	20.164	2942	2949	2957	rBV5	16063	40393	7.36%	0.684%
68	20.241	2959	2962	2966	rBV5	2537	4058	0.74%	0.069%
69	20.329	2967	2977	2986	rVB2	31561	72047	13.13%	1.220%
70	20.429	2986	2994	2998	rBV	25667	41983	7.65%	0.711%
71	20.487	2999	3004	3008	rBV2	21979	29935	5.46%	0.507%

LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG011416\
Data File : BG020738.D
Acq On : 15 Jan 2016 00:27
Operator : SJ/IZ
Sample : H1101-11
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BC9F2

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	20.628	3024	3028	3032	rBV	21437	27134	4.94%	0.459%
73	20.675	3032	3036	3039	rVV	19027	23358	4.26%	0.395%
74	20.922	3074	3078	3080	rBV4	5940	8096	1.48%	0.137%
75	21.057	3094	3101	3103	rBV6	5986	13119	2.39%	0.222%
76	21.099	3105	3108	3113	rVB3	11383	17465	3.18%	0.296%
77	21.187	3121	3123	3129	rVB4	5078	8417	1.53%	0.142%
78	21.251	3131	3134	3135	rVV2	3869	4601	0.84%	0.078%
79	21.281	3135	3139	3141	rVV2	9964	14585	2.66%	0.247%
80	21.316	3141	3145	3150	rVB2	22705	34744	6.33%	0.588%
81	21.563	3183	3187	3191	rBV5	8489	12445	2.27%	0.211%
82	21.698	3201	3210	3215	rBV2	283985	548753	100.00%	9.289%
83	21.745	3215	3218	3230	rVB	58679	102671	18.71%	1.738%
84	21.851	3234	3236	3240	rVB3	4440	5021	0.91%	0.085%
85	21.903	3241	3245	3249	rVB3	7129	10003	1.82%	0.169%
86	21.974	3254	3257	3259	rBV3	3581	4572	0.83%	0.077%
87	22.432	3327	3335	3343	rBV2	18083	47479	8.65%	0.804%
88	22.503	3345	3347	3354	rVB	12149	17377	3.17%	0.294%
89	22.708	3378	3382	3387	rBV3	8455	14401	2.62%	0.244%
90	22.849	3402	3406	3414	rVB7	6283	12025	2.19%	0.204%
91	23.161	3455	3459	3464	rVB6	7466	12931	2.36%	0.219%
92	23.913	3580	3587	3591	rBV3	21967	54168	9.87%	0.917%
93	24.171	3626	3631	3637	rBV6	5370	13440	2.45%	0.228%
94	24.653	3704	3713	3717	rBV2	15931	43404	7.91%	0.735%
95	24.730	3717	3726	3733	rBV	111520	291716	53.16%	4.938%
96	24.953	3751	3764	3775	rBV	136998	413117	75.28%	6.993%
97	26.028	3939	3947	3957	rVB5	13308	39787	7.25%	0.673%
98	26.328	3994	3998	4000	rBV3	3095	4736	0.86%	0.080%
99	28.654	4388	4394	4396	rBV5	6442	12302	2.24%	0.208%
100	29.829	4585	4594	4595	rBV6	5159	11348	2.07%	0.192%

Sum of corrected areas: 5907690

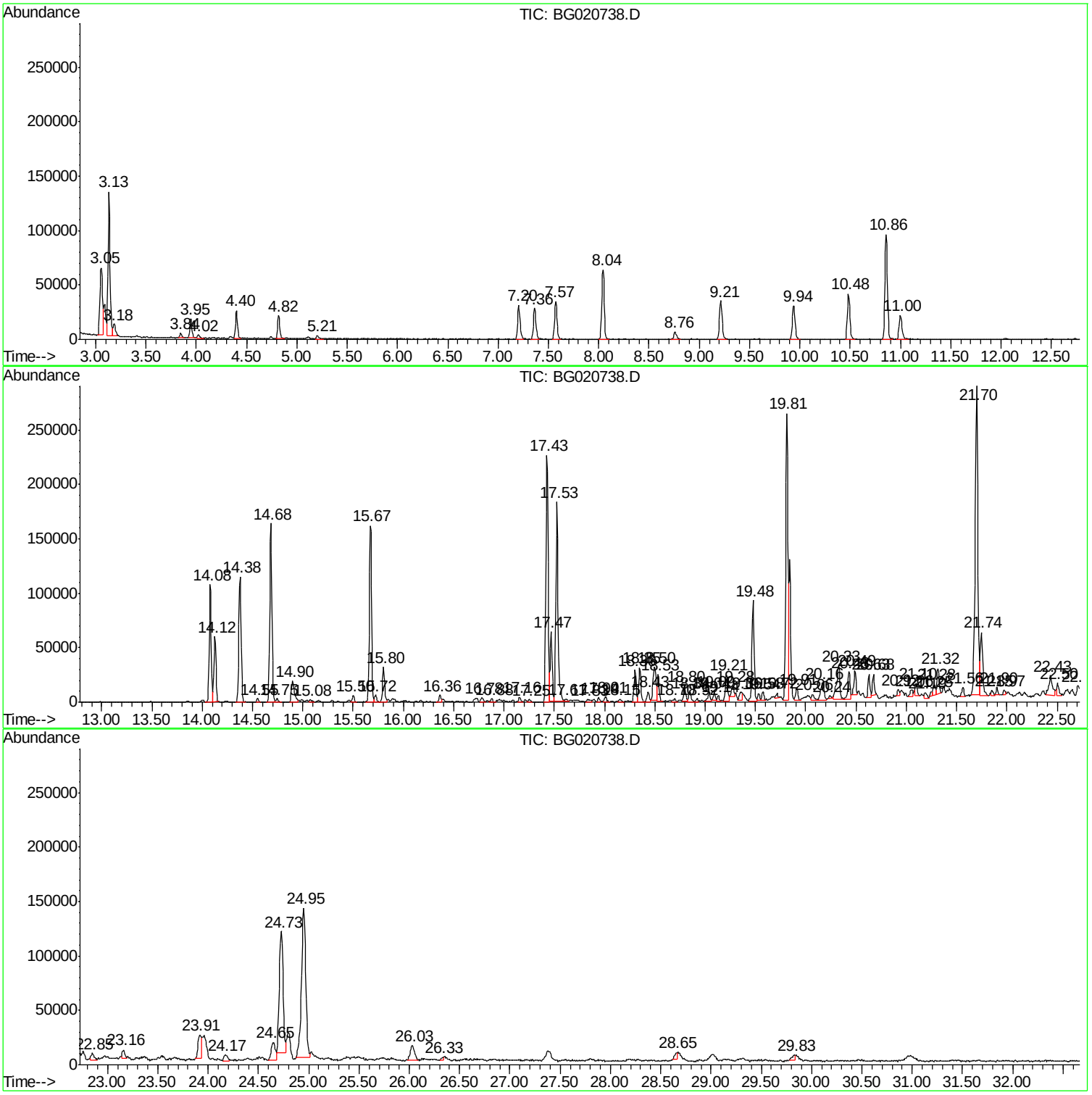
LSC Report - Integrated Chromatogram

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG011416\
Data File : BG020738.D
Acq On : 15 Jan 2016 00:27
Operator : SJ/IZ
Sample : H1101-11
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BC9F2

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



Data Path : Z:\HPCHEM1\BNA_G\DATA\BG011416\
Data File : BG020738.D
Acq On : 15 Jan 2016 00:27
Operator : SJ/IZ
Sample : H1101-11
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BC9F2

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

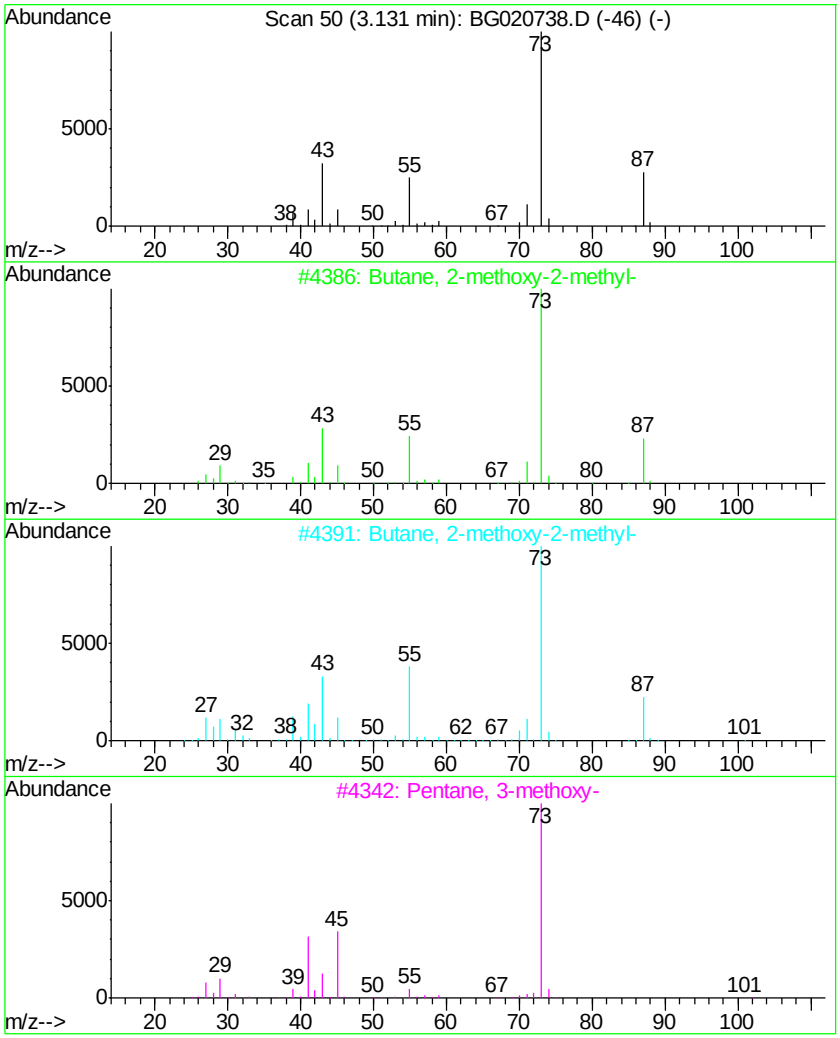
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

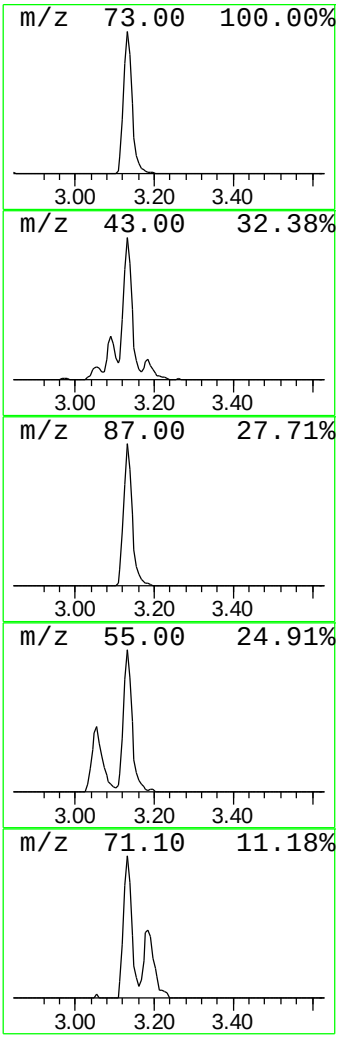
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.13	35.23 ng/ul	193539	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	86
2	Butane, 2-methoxy-2-methyl-	102	C6H14O	000994-05-8	83
3	Pentane, 3-methoxy-	102	C6H14O	036839-67-5	25
4	N-Ethylformamide	73	C3H7NO	000627-45-2	9
5	1,3-Dioxolane, 2-methyl-	88	C4H8O2	000497-26-7	9





Data Path : Z:\HPCHEM1\BNA_G\DATA\BG011416\
Data File : BG020738.D
Acq On : 15 Jan 2016 00:27
Operator : SJ/IZ
Sample : H1101-11
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BC9F2

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

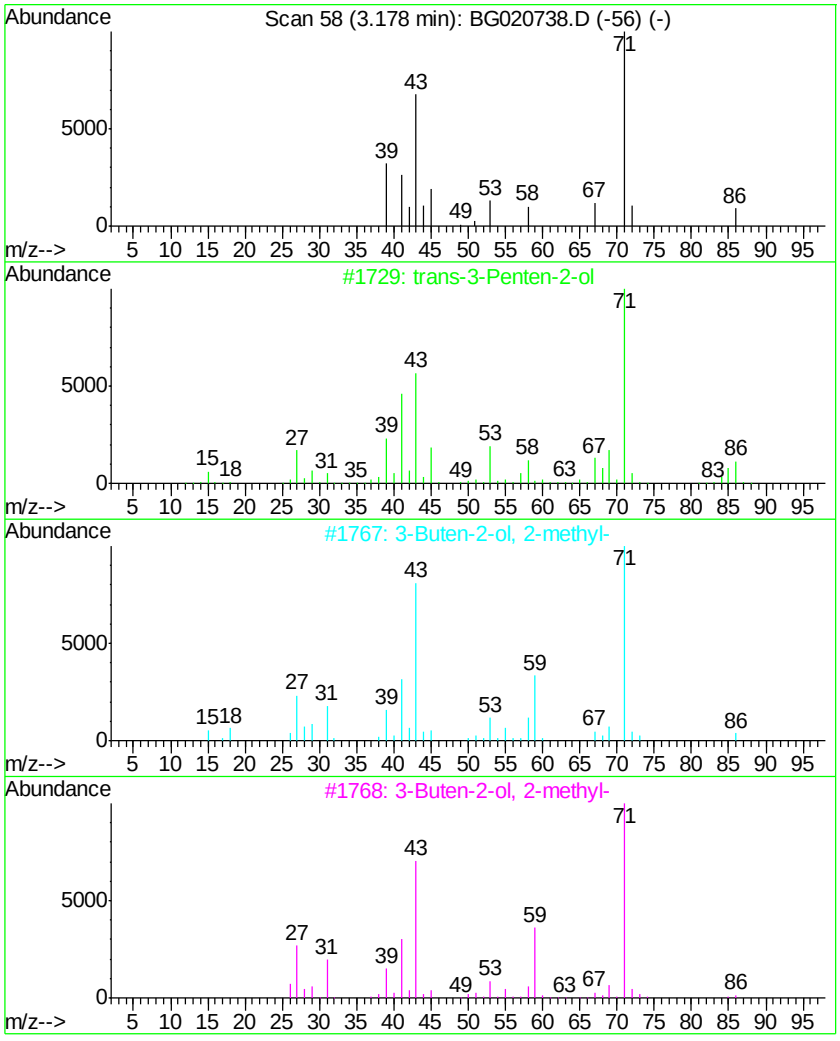
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

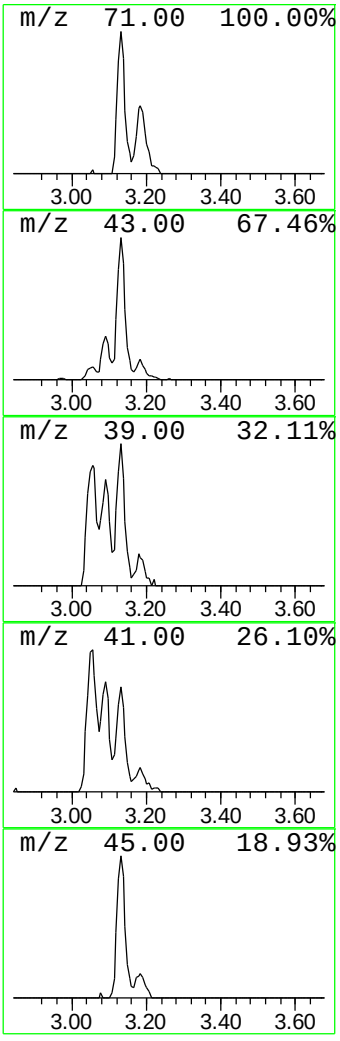
****

Peak Number 3 trans-3-Penten-2-ol Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.18	3.11 ng/ul	17073	1,4-Dichlorobenzene-d4	8.04

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	trans-3-Penten-2-ol	86	C5H10O	003899-34-1	50
2	3-Buten-2-ol, 2-methyl-	86	C5H10O	000115-18-4	45
3	3-Buten-2-ol, 2-methyl-	86	C5H10O	000115-18-4	40
4	2-Hexene, 1-methoxy-, (E)-	114	C7H14O	056052-83-6	33
5	Hydroperoxide, 1-methylethyl	76	C3H8O2	003031-75-2	9





Data Path : Z:\HPCHEM1\BNA_G\DATA\BG011416\
Data File : BG020738.D
Acq On : 15 Jan 2016 00:27
Operator : SJ/IZ
Sample : H1101-11
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BC9F2

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

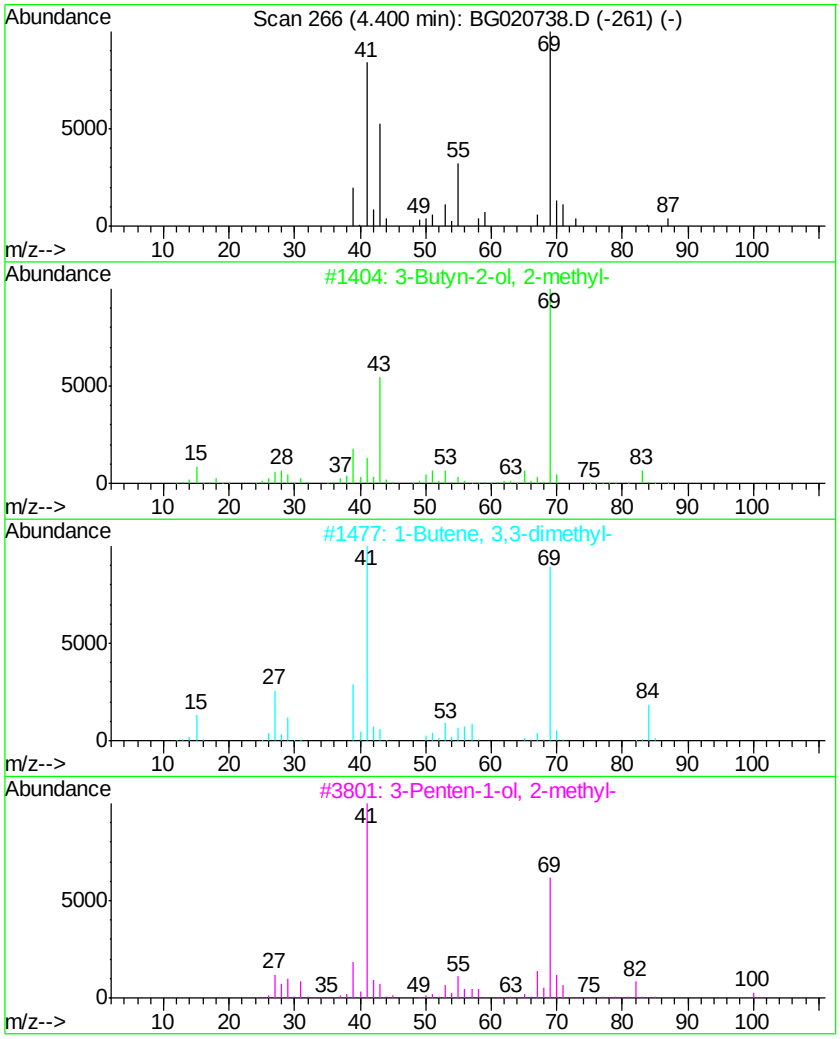
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

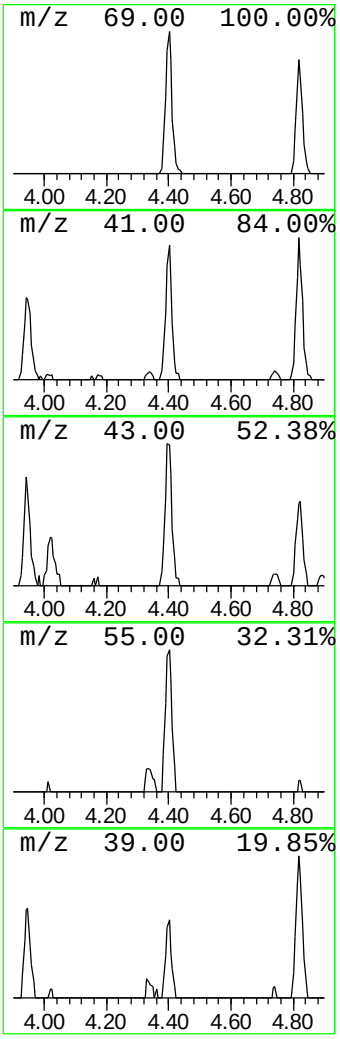
****

Peak Number 5 3-Butyn-2-ol, 2-methyl- Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.40	6.82 ng/ul	37444	1,4-Dichlorobenzene-d4	8.04

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-Butyn-2-ol, 2-methyl-	84	C5H8O	000115-19-5	50
2	1-Butene, 3,3-dimethyl-	84	C6H12	000558-37-2	38
3	3-Penten-1-ol, 2-methyl-	100	C6H12O	062238-37-3	9
4	3-Methyl-3-nitrobut-1-ene	115	C5H9NO2	001809-67-2	9
5	1-Octen-4-ol	128	C8H16O	040575-42-6	9





Data Path : Z:\HPCHEM1\BNA_G\DATA\BG011416\
Data File : BG020738.D
Acq On : 15 Jan 2016 00:27
Operator : SJ/IZ
Sample : H1101-11
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BC9F2

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

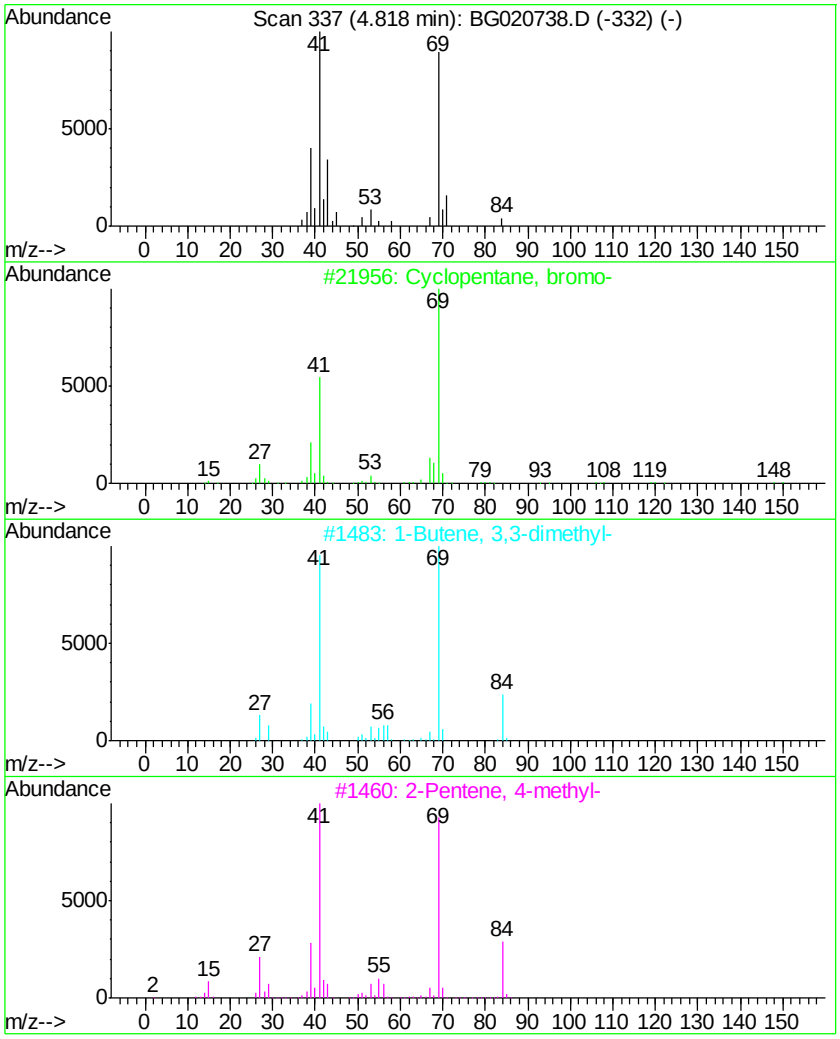
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

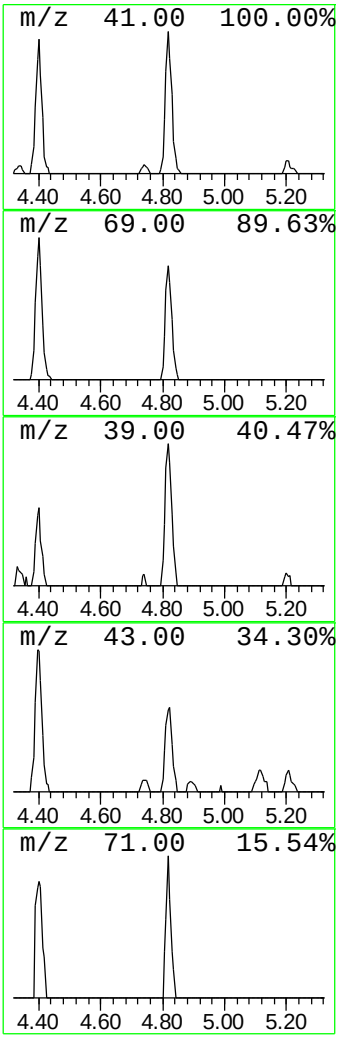
****

Peak Number 6 Cyclopentane, bromo- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.82	5.92 ng/ul	32516	1,4-Dichlorobenzene-d4	8.04

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopentane, bromo-	148	C5H9Br	000137-43-9	78
2	1-Butene, 3,3-dimethyl-	84	C6H12	000558-37-2	53
3	2-Pentene, 4-methyl-	84	C6H12	004461-48-7	53
4	2-Pentene, 4-methyl-, (E)-	84	C6H12	000674-76-0	53
5	1-Butene, 2,3-dimethyl-	84	C6H12	000563-78-0	53





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG011416\
Data File : BG020738.D
Acq On : 15 Jan 2016 00:27
Operator : SJ/IZ
Sample : H1101-11
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BC9F2

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

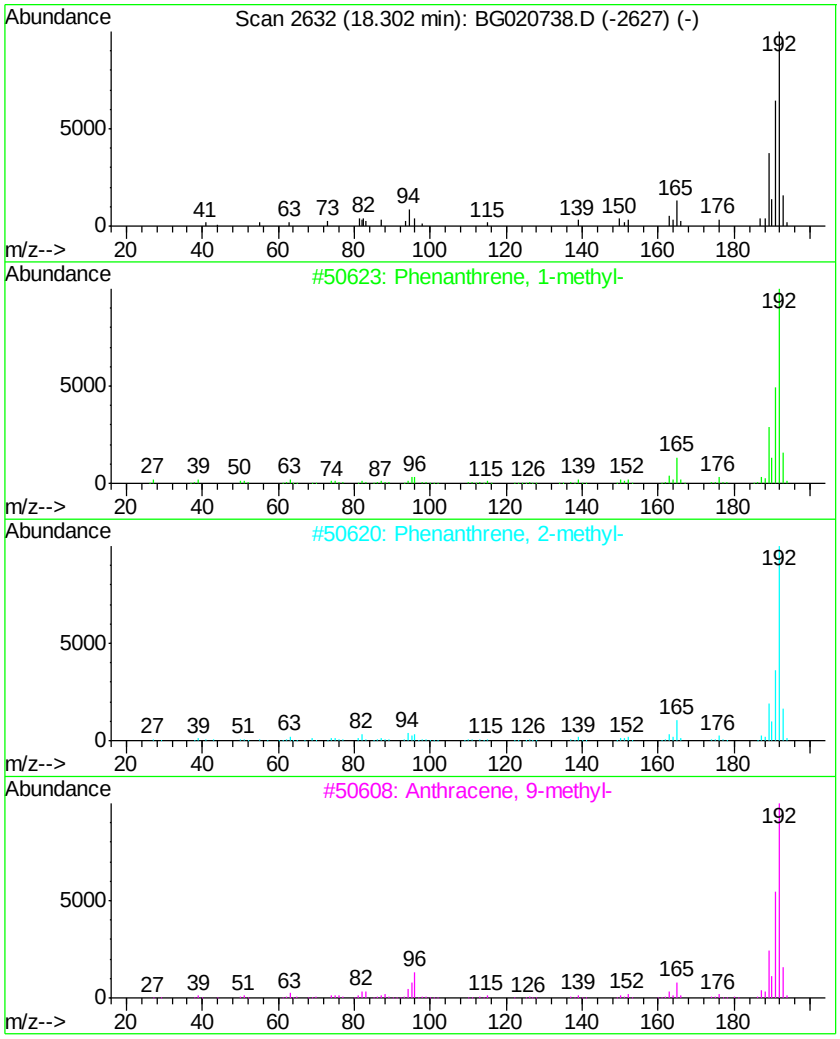
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

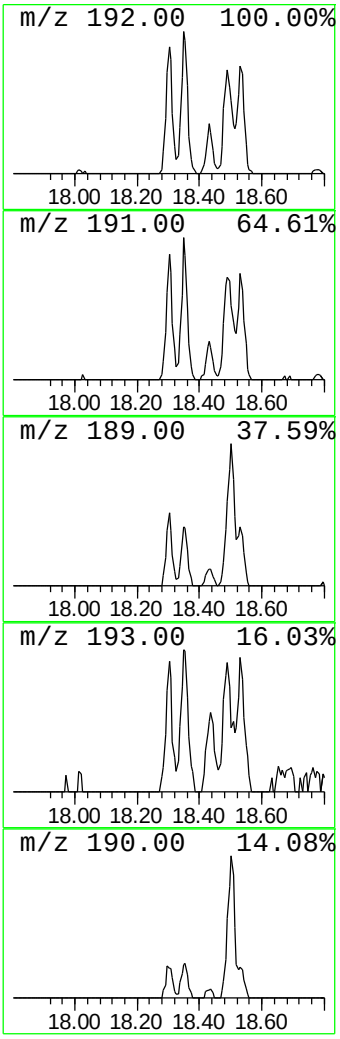
****

Peak Number 7 Phenanthrene, 1-methyl- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.30	2.44 ng/ul	41512	Phenanthrene-d10	17.43

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	96
3	Anthracene, 9-methyl-	192	C15H12	000779-02-2	95
4	Anthracene, 2-methyl-	192	C15H12	000613-12-7	95
5	Anthracene, 2-methyl-	192	C15H12	000613-12-7	94





Data Path : Z:\HPCHEM1\BNA_G\DATA\BG011416\
Data File : BG020738.D
Acq On : 15 Jan 2016 00:27
Operator : SJ/IZ
Sample : H1101-11
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BC9F2

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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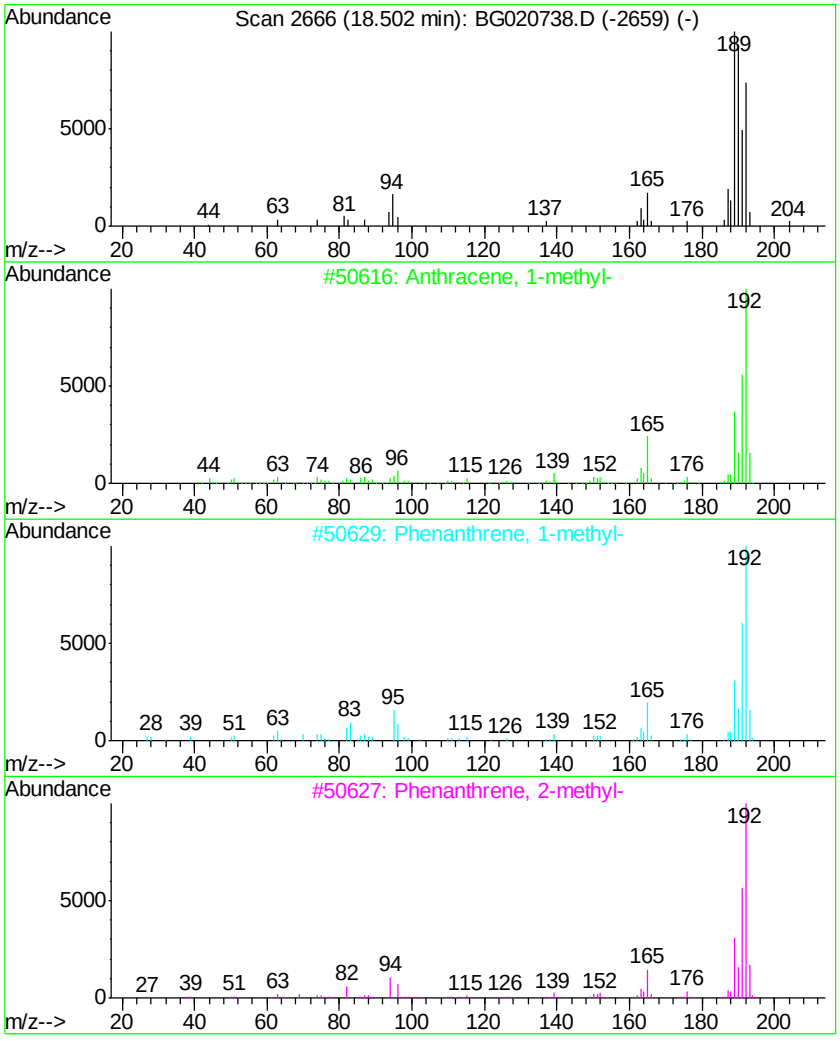
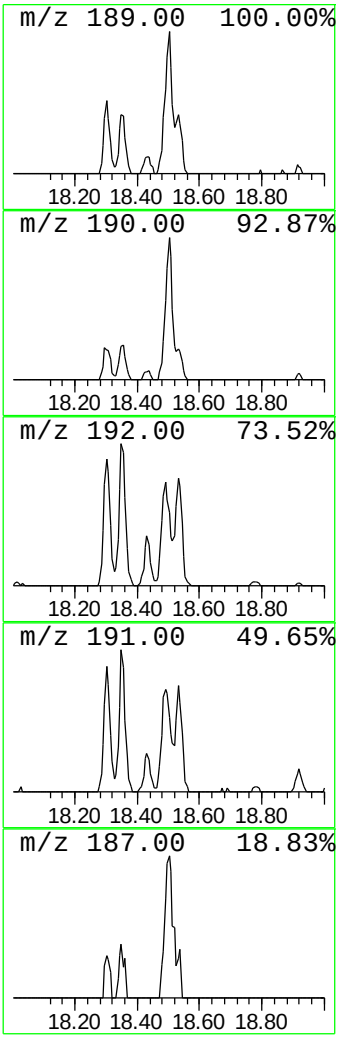
Peak Number 9 Anthracene, 1-methyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.50	3.71 ng/ul	63121	Phenanthrene-d10	17.43

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene, 1-methyl-	192	C15H12	000610-48-0	50
2	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	50
3	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	49
4	Anthracene, 9-methyl-	192	C15H12	000779-02-2	46
5	Anthracene, 1-methyl-	192	C15H12	000610-48-0	46





Library Search Compound Report

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Misc :
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ClientSampleId : BC9F2

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Quant Title : SVOA CALIBRATION

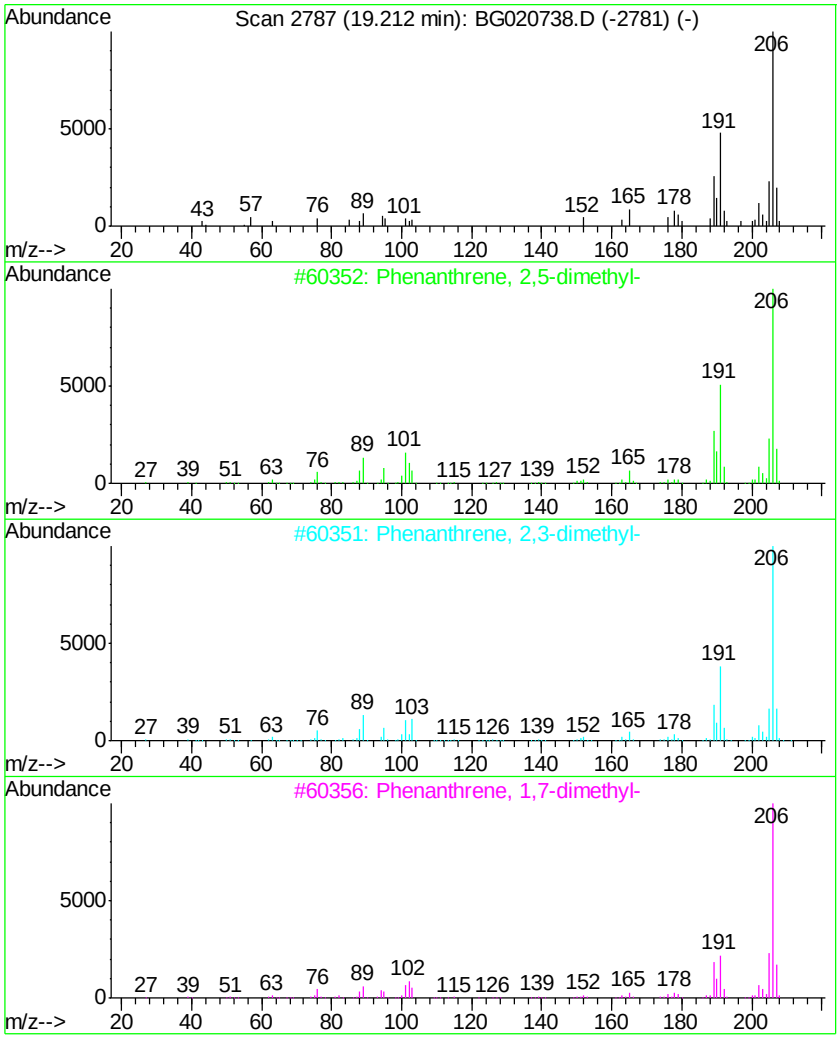
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

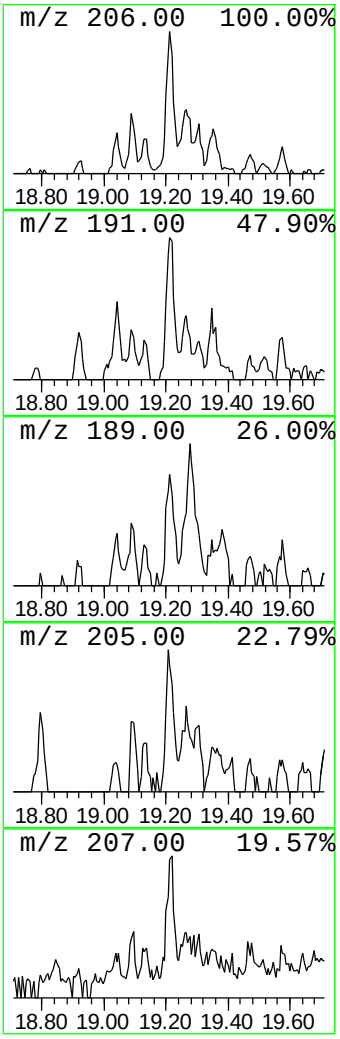
****

Peak Number 10 Phenanthrene, 2,5-dimethyl- Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.21	2.30 ng/ul	39057	Phenanthrene-d10	17.43

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	94
2	Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	94
3	Phenanthrene, 1,7-dimethyl-	206	C16H14	000483-87-4	91
4	9,10-Dimethylanthracene	206	C16H14	000781-43-1	91
5	9,10-Dimethylanthracene	206	C16H14	000781-43-1	90





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Data File : BG020738.D
Acq On : 15 Jan 2016 00:27
Operator : SJ/IZ
Sample : H1101-11
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BC9F2

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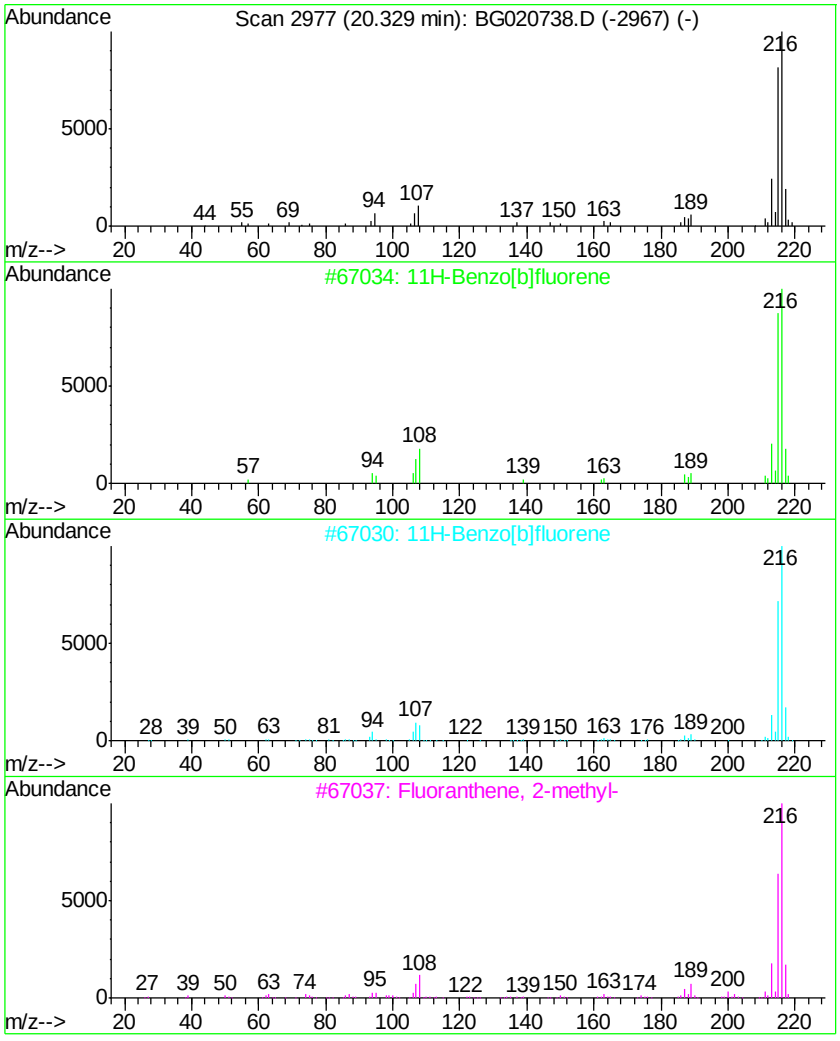
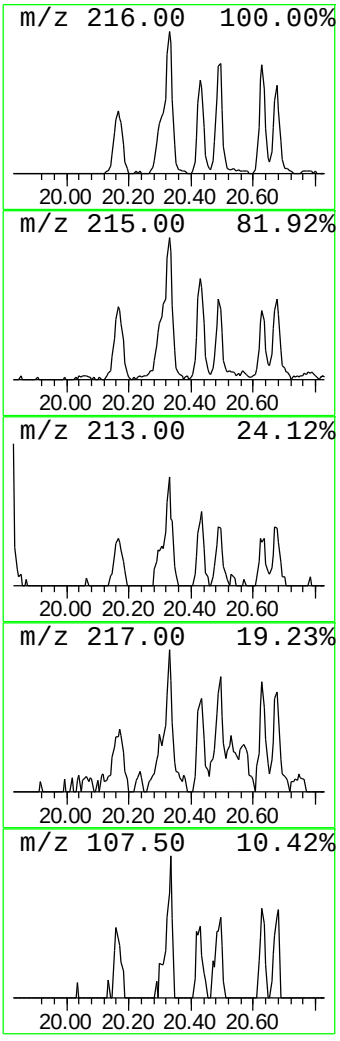
Peak Number 11 11H-Benzo[b]fluorene Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.33	2.63 ng/ul	72047	Chrysene-d12	21.70

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	96
2	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	94
3	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	93
4	Pyrene, 1-methyl-	216	C17H12	002381-21-7	93
5	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	90





Tentatively Identified Compound (LSC) summary

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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	35.2	ng/ul	193539	1	8.04	109866	20.0
trans-3-Penten-2-ol	3.18	3.1	ng/ul	17073	1	8.04	109866	20.0
3-Butyn-2-ol, 2-m...	4.40	6.8	ng/ul	37444	1	8.04	109866	20.0
Cyclopentane, bromo-	4.82	5.9	ng/ul	32516	1	8.04	109866	20.0
Phenanthrene, 1-m...	18.30	2.4	ng/ul	41512	4	17.43	339999	20.0
Anthracene, 1-met...	18.50	3.7	ng/ul	63121	4	17.43	339999	20.0
Phenanthrene, 2,5...	19.21	2.3	ng/ul	39057	4	17.43	339999	20.0
11H-Benzo[b]fluorene	20.33	2.6	ng/ul	72047	5	21.70	548753	20.0