LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA G\DATA\BG123015\
Data File : BG020616.D
Acq On : 30 Dec 2015 19:50
Operator : UM/SJ
Sample : G4802-18DL 5X
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : G9D93DL

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-BG123015.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	3.075	36	40	45	rBV2	6701	10196	1.65%	0.178%
2	7.229	741	747	748	rBV2	7314	12261	1.98%	0.214%
3	7.382	768	773	780	rBB2	5302	9348	1.51%	0.163%
4	7.587	803	808	815	rBB2	6515	10719	1.73%	0.187%
5	8.057	882	888	897	rBV	54738	92131	14.87%	1.609%
6	8.598	975	980	988	rBB2	9412	15965	2.58%	0.279%
7	8.768	1004	1009	1015	rBV2	8512	13965	2.25%	0.244%
8	8.833	1015	1020	1030	rVB	11221	21302	3.44%	0.372%
9	9.232	1082	1088	1093	rBV3	6877	12375	2.00%	0.216%
10	9.955	1206	1211	1217	rVB3	4524	8318	1.34%	0.145%
11	10.361	1275	1280	1291	rVB3	3315	8954	1.44%	0.156%
12	10.496	1299	1303	1312	rBV	8278	14457	2.33%	0.253%
13	10.878	1361	1368	1372	rBV	84559	152568	24.62%	2.665%
14	10.925	1372	1376	1386	rVB	140403	244674	39.48%	4.273%
15	11.019	1386	1392	1395	rBV2	6584	12093	1.95%	0.211%
16	12.529	1642	1649	1656	rBV	61108	96981	15.65%	1.694%
17	12.746	1677	1686	1694	rBB	36443	61101	9.86%	1.067%
18	13.527	1815	1819	1826	rVB	11209	16524	2.67%	0.289%
19	13.856	1870	1875	1876	rBV2	11751	15396	2.48%	0.269%
20	14.015	1896	1902	1907	rBV	21503	38484	6.21%	0.672%
21	14.091	1907	1915	1920	rVB3	25990	55781	9.00%	0.974%
22	14.144	1920	1924	1929	rVB2	5664	8710	1.41%	0.152%
23	14.250	1936	1942	1947	rBV3	10052	16994	2.74%	0.297%
24	14.391	1958	1966	1968	rBV	27738	47298	7.63%	0.826%
25	14.415	1968	1970	1977	rVB	43017	60771	9.81%	1.061%
26	14.697	2007	2018	2024	rBV2	154726	257008	41.47%	4.489%
27	14.761	2024	2029	2035	rVV2	10510	17687	2.85%	0.309%
28	14.908	2047	2054	2061	rBV4	2967	7818	1.26%	0.137%
29	15.090	2079	2085	2091	rBV	39777	63091	10.18%	1.102%
30	15.161	2091	2097	2102	rVB2	5945	8889	1.43%	0.155%
31	15.308	2115	2122	2127	rBV5	6628	11973	1.93%	0.209%
32	15.361	2127	2131	2142	rVB3	5288	8266	1.33%	0.144%
33	15.478	2142	2151	2154	rBV2	4187	8234	1.33%	0.144%
34	15.513	2154	2157	2161	rVB3	7427	9902	1.60%	0.173%

LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA G\DATA\BG123015\
Data File : BG020616.D
Acq On : 30 Dec 2015 19:50
Operator : UM/SJ
Sample : G4802-18DL 5X
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : G9D93DL

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-BG123015.M
Title : SVOA CALIBRATION

35	15.560	2161	2165	2171	rVB	5012	7616	1.23%	0.133%
36	15.684	2182	2186	2191	rVV	46604	67441	10.88%	1.178%
37	15.737	2191	2195	2204	rVB	64488	101989	16.46%	1.781%
38	16.030	2239	2245	2250	rBV	11018	15582	2.51%	0.272%
39	16.154	2261	2266	2267	rBV	9215	12758	2.06%	0.223%
40	16.177	2267	2270	2279	rVB2	14192	28039	4.52%	0.490%
41	16.377	2298	2304	2306	rBV	7197	8900	1.44%	0.155%
42	16.741	2358	2366	2371	rBV2	13081	26128	4.22%	0.456%
43	16.794	2371	2375	2380	rVB3	6568	10024	1.62%	0.175%
44	16.888	2387	2391	2396	rVB	6210	9392	1.52%	0.164%
45	16.970	2396	2405	2408	rBV3	4902	8729	1.41%	0.152%
46	17.170	2433	2439	2444	rVV3	10070	15169	2.45%	0.265%
47	17.258	2450	2454	2461	rVB2	14473	21970	3.55%	0.384%
48	17.440	2479	2485	2489	rBV2	231434	362220	58.45%	6.326%
49	17.482	2489	2492	2498	rVV	258644	363970	58.73%	6.357%
50	17.540	2498	2502	2504	rVV2	48638	71177	11.49%	1.243%
51	17.576	2504	2508	2512	rVB	78438	115881	18.70%	2.024%
52	17.846	2547	2554	2562	rVV	21490	35210	5.68%	0.615%
53	18.316	2628	2634	2638	rBV	32506	48164	7.77%	0.841%
54	18.363	2638	2642	2649	rVB	45883	66500	10.73%	1.161%
55	18.439	2649	2655	2660	rBV	22029	33907	5.47%	0.592%
56	18.510	2660	2667	2671	rBV3	48353	94223	15.20%	1.646%
57	18.545	2671	2673	2678	rVB	23852	26977	4.35%	0.471%
58	18.809	2713	2718	2725	rBV	18685	25747	4.15%	0.450%
59	19.221	2781	2788	2794	rBV2	20171	37189	6.00%	0.650%
60	19.291	2794	2800	2802	rBV4	10120	16977	2.74%	0.297%
61	19.362	2808	2812	2815	rBV3	4679	7580	1.22%	0.132%
62	19.491	2828	2834	2840	rVV	183945	257921	41.62%	4.505%
63	19.585	2847	2850	2854	rVB	6168	8051	1.30%	0.141%
64	19.638	2854	2859	2865	rBV	21201	30470	4.92%	0.532%
65	19.726	2869	2874	2877	rBV4	4420	8265	1.33%	0.144%
66	19.820	2884	2890	2892	rBV2	88493	130621	21.08%	2.281%
67	19.849	2892	2895	2903	rVB	161111	240087	38.74%	4.193%
68	19.920	2903	2907	2913	rVB3	12155	20535	3.31%	0.359%
69	20.026	2919	2925	2930	rVB	10238	16080	2.59%	0.281%
70	20.090	2932	2936	2941	rVB4	8857	13280	2.14%	0.232%
71	20.167	2943	2949	2950	rBV4	13855	18835	3.04%	0.329%

LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA G\DATA\BG123015\
Data File : BG020616.D
Acq On : 30 Dec 2015 19:50
Operator : UM/SJ
Sample : G4802-18DL 5X
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : G9D93DL

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-BG123015.M
Title : SVOA CALIBRATION

72	20.337	2967	2978	2984	rVB	41579	81576	13.16%	1.425%
73	20.443	2991	2996	3000	rBV	33296	45311	7.31%	0.791%
74	20.496	3000	3005	3010	rVB2	19173	30607	4.94%	0.535%
75	20.584	3015	3020	3023	rBV6	4695	8266	1.33%	0.144%
76	20.637	3025	3029	3033	rBV2	12293	16692	2.69%	0.292%
77	20.684	3033	3037	3042	rVB2	11882	15885	2.56%	0.277%
78	20.778	3048	3053	3057	rBV7	3549	7693	1.24%	0.134%
79	21.054	3097	3100	3105	rBV4	6018	10435	1.68%	0.182%
80	21.101	3106	3108	3114	rVB6	5625	9401	1.52%	0.164%
81	21.295	3136	3141	3143	rBV2	8558	11686	1.89%	0.204%
82	21.330	3143	3147	3151	rVV2	19672	27652	4.46%	0.483%
83	21.383	3152	3156	3160	rVB2	10846	15714	2.54%	0.274%
84	21.712	3203	3212	3217	rVV2	313218	619722	100.00%	10.824%
85	21.759	3217	3220	3231	rVB	65894	102830	16.59%	1.796%
86	21.912	3242	3246	3251	rVB2	8942	12950	2.09%	0.226%
87	22.135	3278	3284	3289	rVB3	7236	14928	2.41%	0.261%
88	22.441	3334	3336	3342	rVB2	11410	18685	3.02%	0.326%
89	22.611	3359	3365	3367	rVV5	3726	7456	1.20%	0.130%
90	22.658	3370	3373	3379	rVB4	5986	10940	1.77%	0.191%
91	22.728	3380	3385	3388	rBV5	5545	10362	1.67%	0.181%
92	22.770	3388	3392	3401	rVB7	7644	16629	2.68%	0.290%
93	23.181	3459	3462	3470	rVB8	5248	8285	1.34%	0.145%
94	23.933	3581	3590	3596	rBV2	30336	97453	15.73%	1.702%
95	24.191	3628	3634	3640	rBV2	7988	17208	2.78%	0.301%
96	24.661	3708	3714	3720	rBV	17742	42273	6.82%	0.738%
97	24.738	3720	3727	3733	rVV	28272	70370	11.36%	1.229%
98	24.808	3733	3739	3752	rVB	35500	93325	15.06%	1.630%
99	24.967	3755	3766	3775	rBV	152298	433692	69.98%	7.575%
100	28.669	4386	4396	4400	rBV3	11463	33583	5.42%	0.587%

Sum of corrected areas: 5725447

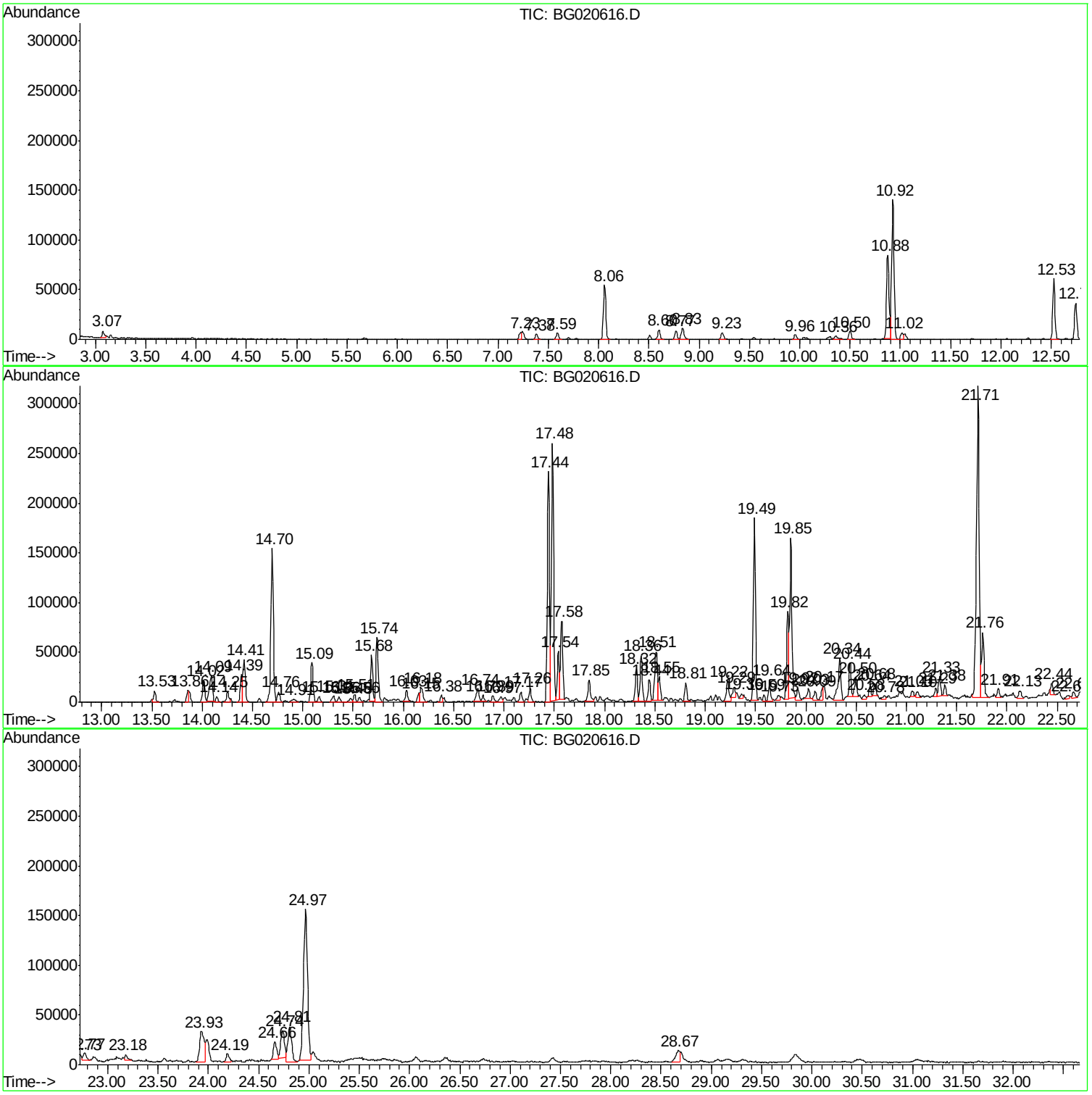
LSC Report - Integrated Chromatogram

Data Path : Z:\HPCHEM1\BNA G\DATA\BG123015\
Data File : BG020616.D
Acq On : 30 Dec 2015 19:50
Operator : UM/SJ
Sample : G4802-18DL 5X
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
G9D93DL

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG123015.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\BG123015\
Data File : BG020616.D
Acq On : 30 Dec 2015 19:50
Operator : UM/SJ
Sample : G4802-18DL 5X
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : G9D93DL

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG123015.M
Quant Title : SVOA CALIBRATION

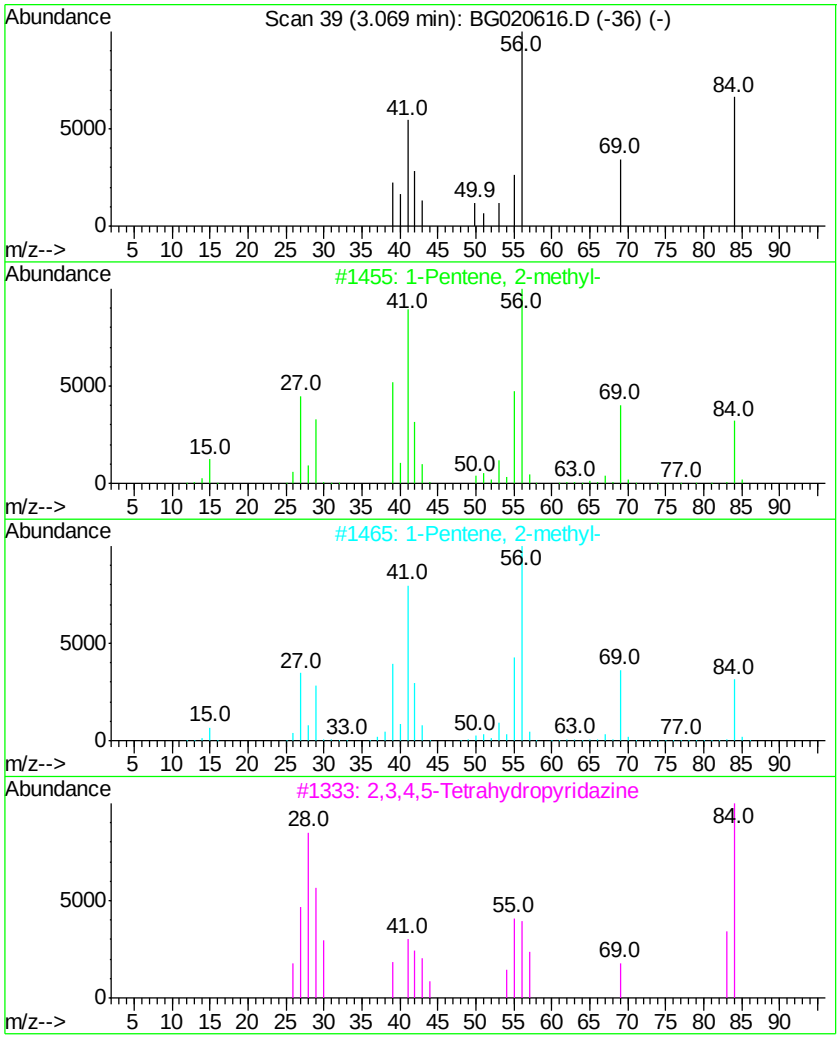
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

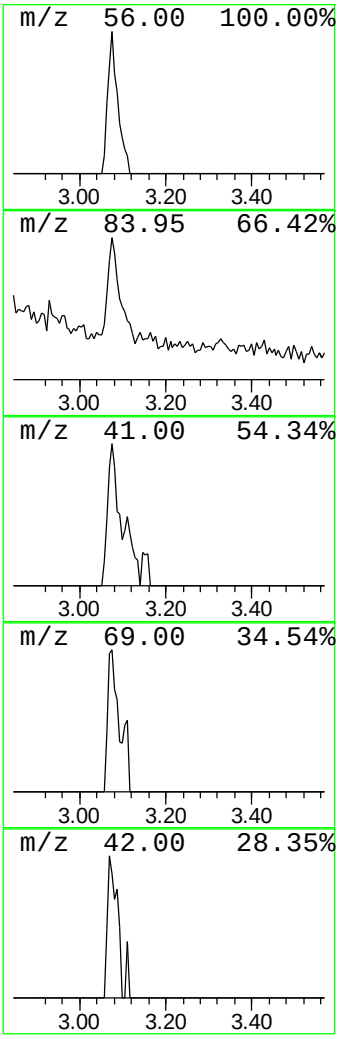
****

Peak Number 1 1-Pentene, 2-methyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.07	2.21 ng/ul	10196	1,4-Dichlorobenzene-d4	8.06

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Pentene, 2-methyl-	84	C6H12	000763-29-1	72
2	1-Pentene, 2-methyl-	84	C6H12	000763-29-1	56
3	2,3,4,5-Tetrahydropyridazine	84	C4H8N2	000694-06-4	23
4	Cyclobutane, ethyl-	84	C6H12	004806-61-5	9
5	1-Hexene, 5-methyl-	98	C7H14	003524-73-0	4





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA G\DATA\BG123015\
Data File : BG020616.D
Acq On : 30 Dec 2015 19:50
Operator : UM/SJ
Sample : G4802-18DL 5X
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : G9D93DL

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG123015.M
Quant Title : SVOA CALIBRATION

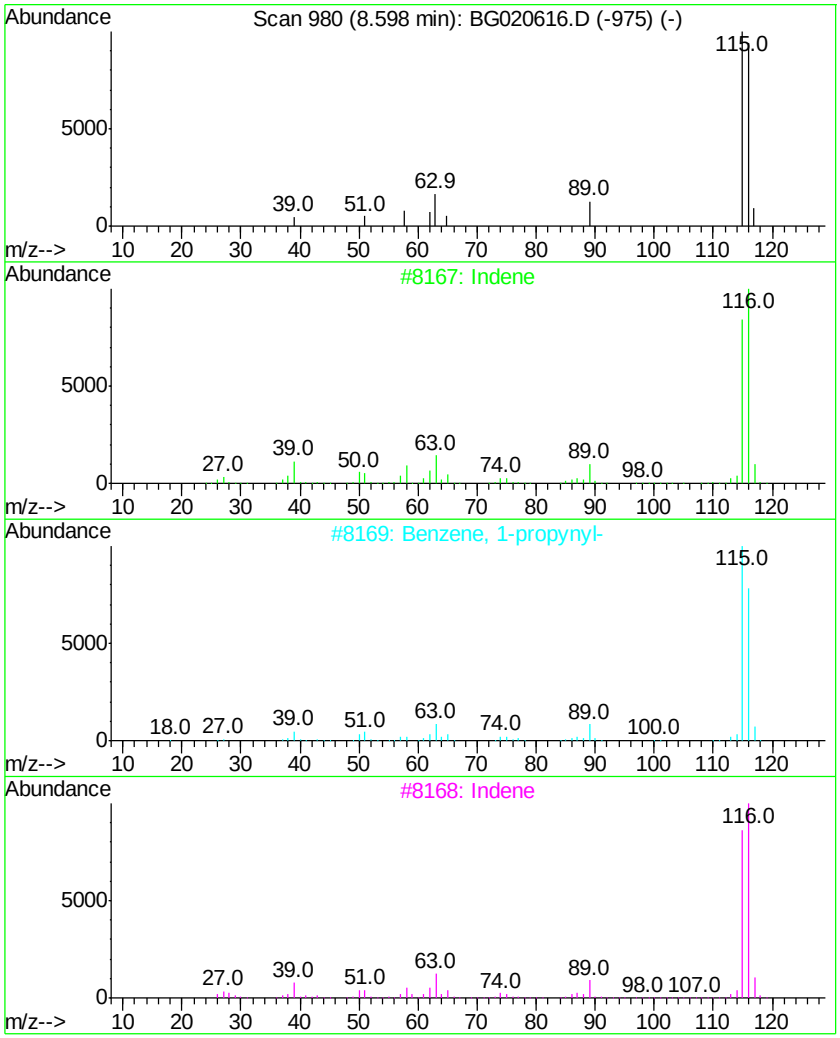
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

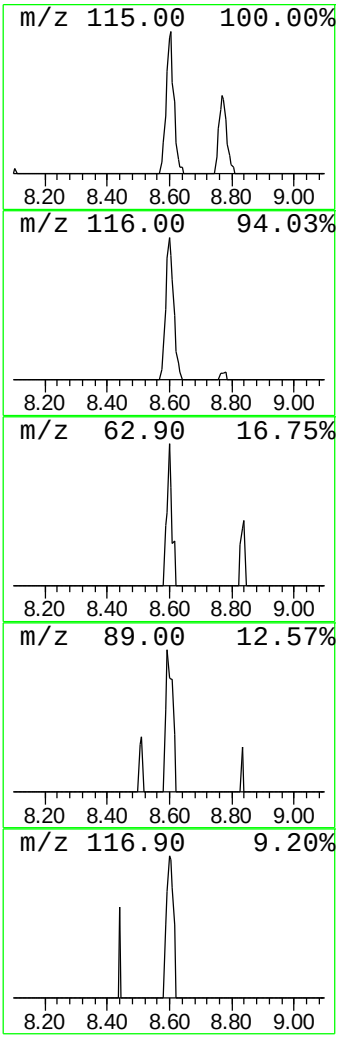
****

Peak Number 2 Indene Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.60	3.47 ng/ul	15965	1,4-Dichlorobenzene-d4	8.06

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Indene	116	C9H8	000095-13-6	90
2	Benzene, 1-propynyl-	116	C9H8	000673-32-5	90
3	Indene	116	C9H8	000095-13-6	90
4	Benzene, 1-propynyl-	116	C9H8	000673-32-5	90
5	Benzene, 1,2-propadienyl-	116	C9H8	002327-99-3	83





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA G\DATA\BG123015\
Data File : BG020616.D
Acq On : 30 Dec 2015 19:50
Operator : UM/SJ
Sample : G4802-18DL 5X
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : G9D93DL

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG123015.M
Quant Title : SVOA CALIBRATION

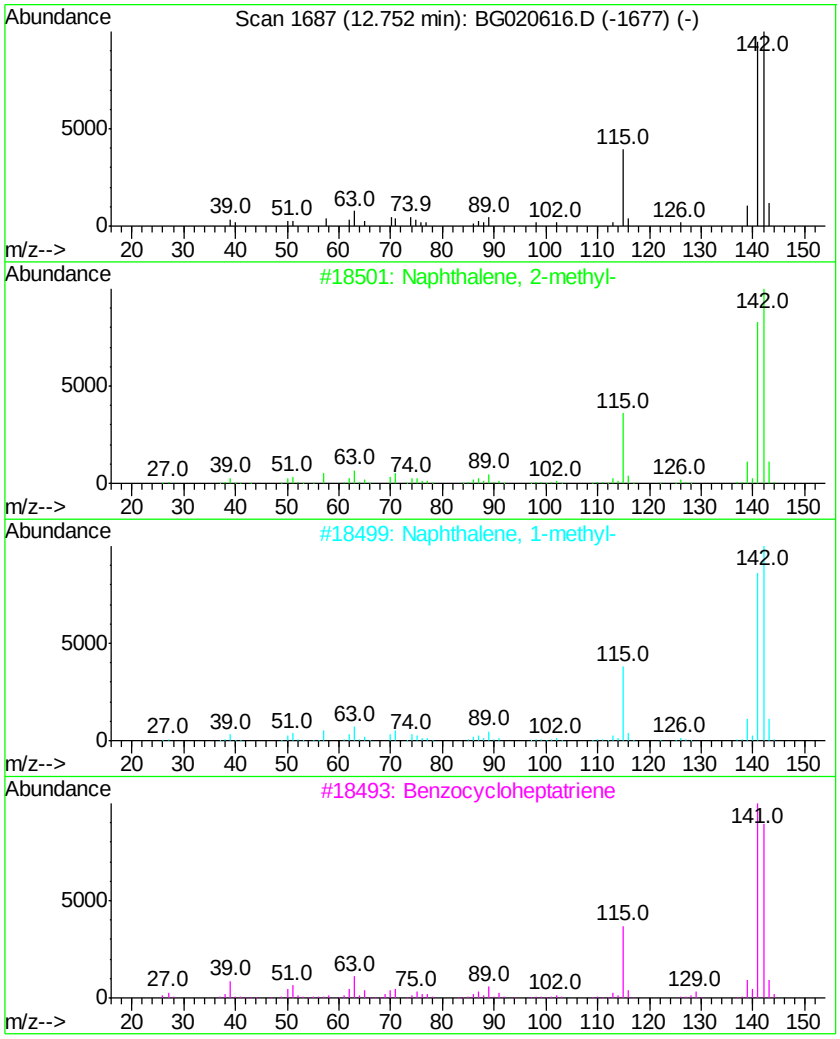
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

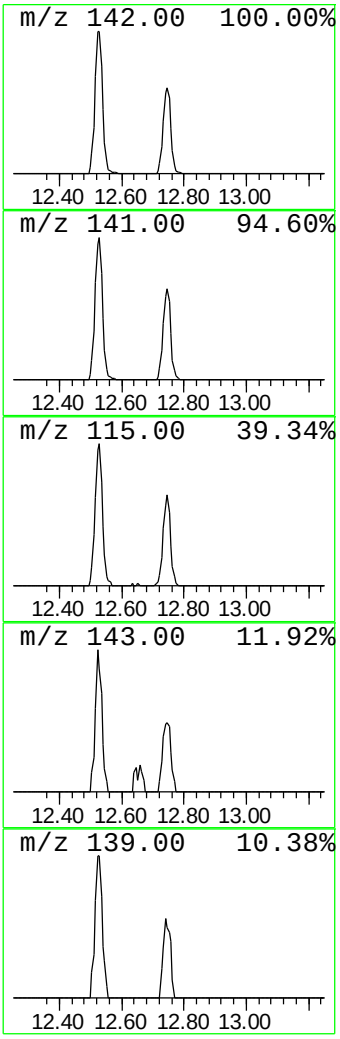
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.75	8.01 ng/ul	61101	Naphthalene-d8	10.88

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	Benzocycloheptatriene	142	C11H10	000264-09-5	91
4	Naphthalene, 2-methyl-	142	C11H10	000091-57-6	91
5	Benzocycloheptatriene	142	C11H10	000264-09-5	91





Data Path : Z:\HPCHEM1\BNA G\DATA\BG123015\
Data File : BG020616.D
Acq On : 30 Dec 2015 19:50
Operator : UM/SJ
Sample : G4802-18DL 5X
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : G9D93DL

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG123015.M
Quant Title : SVOA CALIBRATION

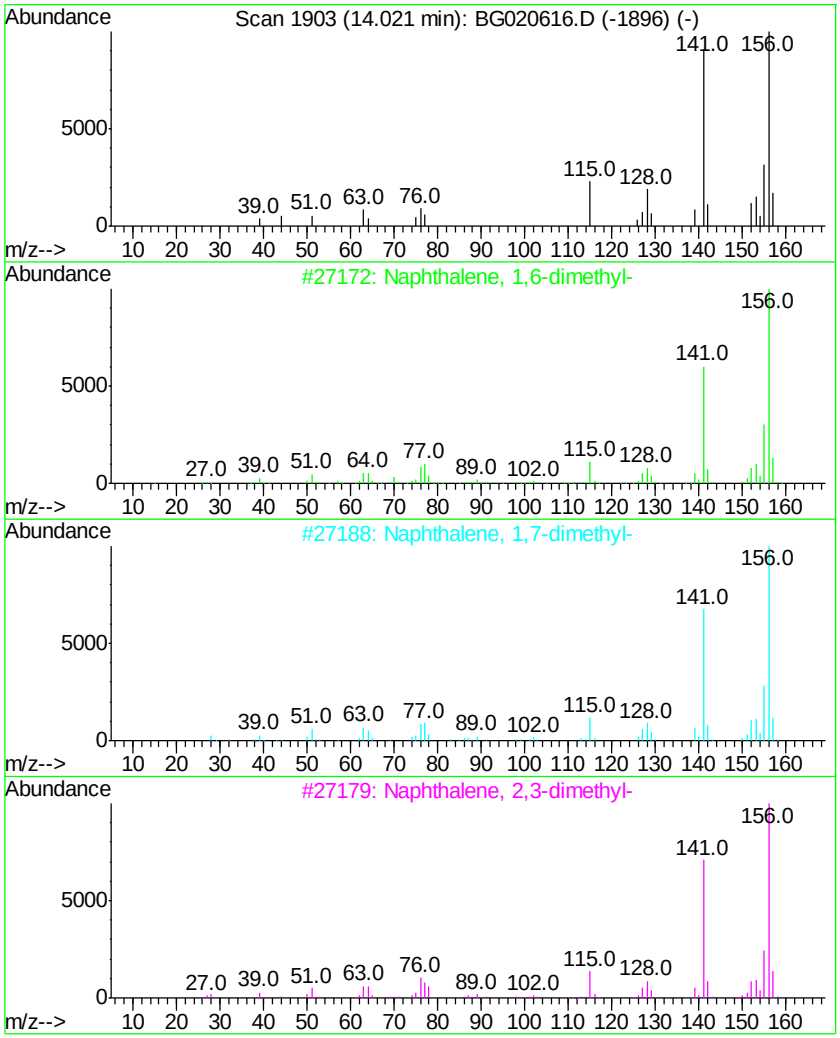
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

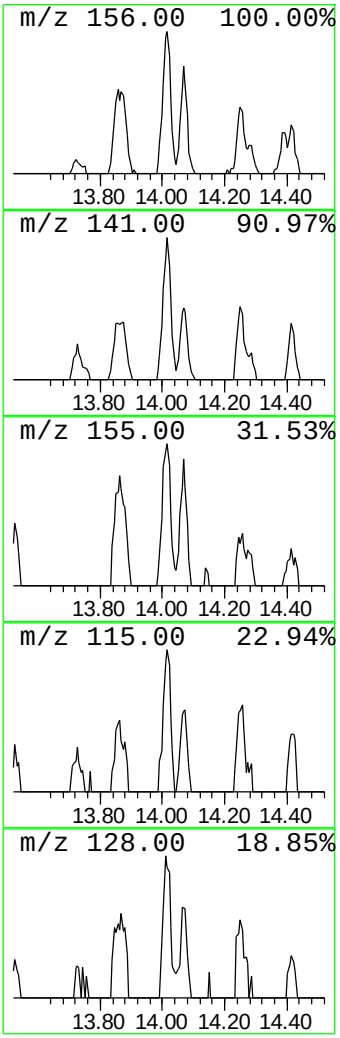
****

Peak Number 4 Naphthalene, 1,6-dimethyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.02	2.99 ng/ul	38484	Acenaphthene-d10	14.70

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	97
2	Naphthalene, 1,7-dimethyl-	156	C12H12	000575-37-1	97
3	Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	96
4	Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	96
5	Naphthalene, 2,7-dimethyl-	156	C12H12	000582-16-1	95





Data Path : Z:\HPCHEM1\BNA G\DATA\BG123015\
Data File : BG020616.D
Acq On : 30 Dec 2015 19:50
Operator : UM/SJ
Sample : G4802-18DL 5X
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : G9D93DL

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG123015.M
Quant Title : SVOA CALIBRATION

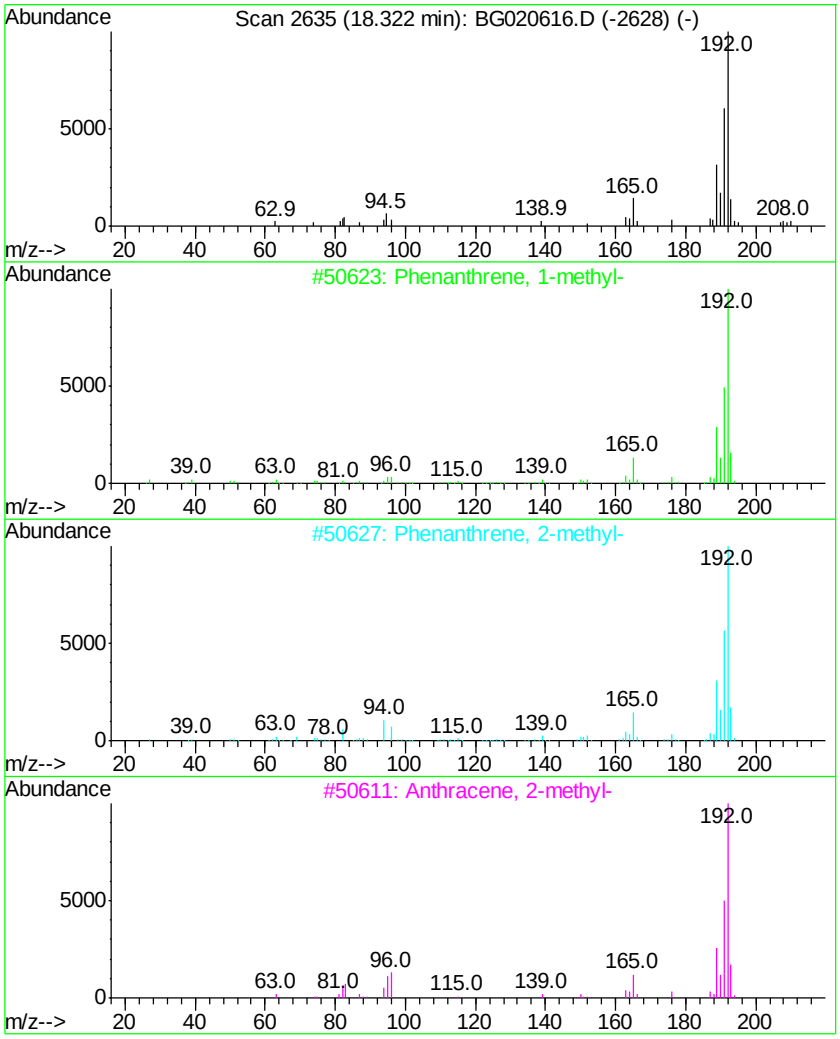
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

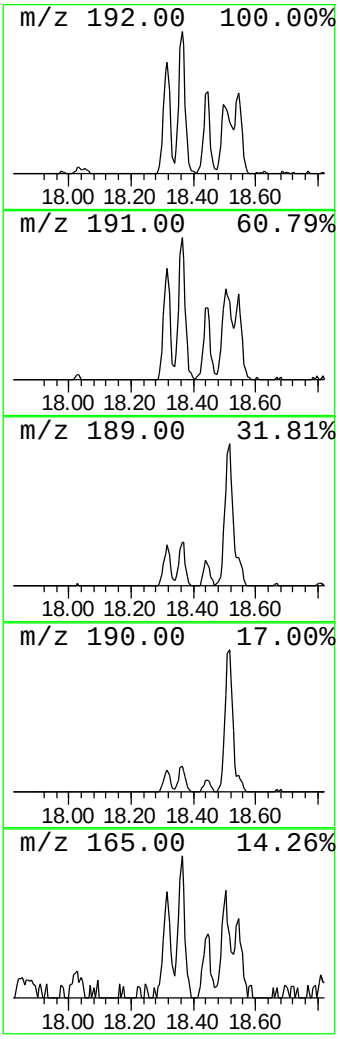
****

Peak Number 5 Phenanthrene, 1-methyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.32	2.66 ng/ul	48164	Phenanthrene-d10	17.44

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	Anthracene, 2-methyl-	192	C15H12	000613-12-7	94
4	Anthracene, 1-methyl-	192	C15H12	000610-48-0	91
5	Anthracene, 9-methyl-	192	C15H12	000779-02-2	91





Data Path : Z:\HPCHEM1\BNA G\DATA\BG123015\
Data File : BG020616.D
Acq On : 30 Dec 2015 19:50
Operator : UM/SJ
Sample : G4802-18DL 5X
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : G9D93DL

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG123015.M
Quant Title : SVOA CALIBRATION

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

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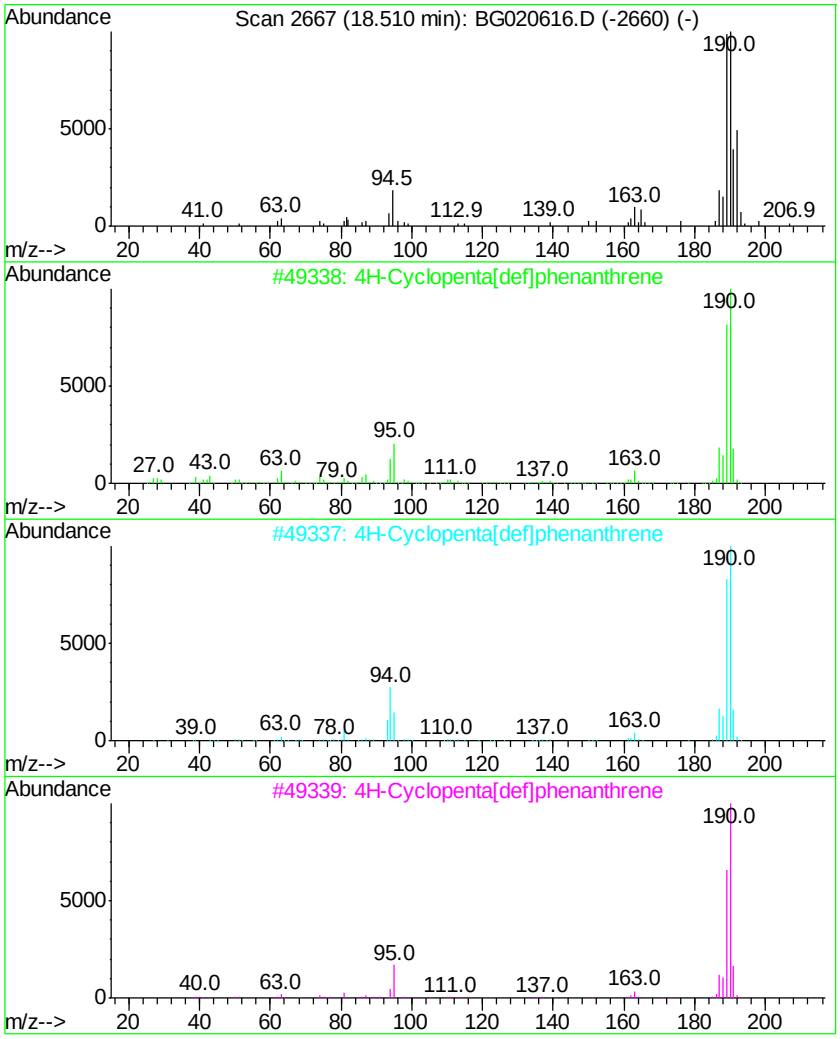
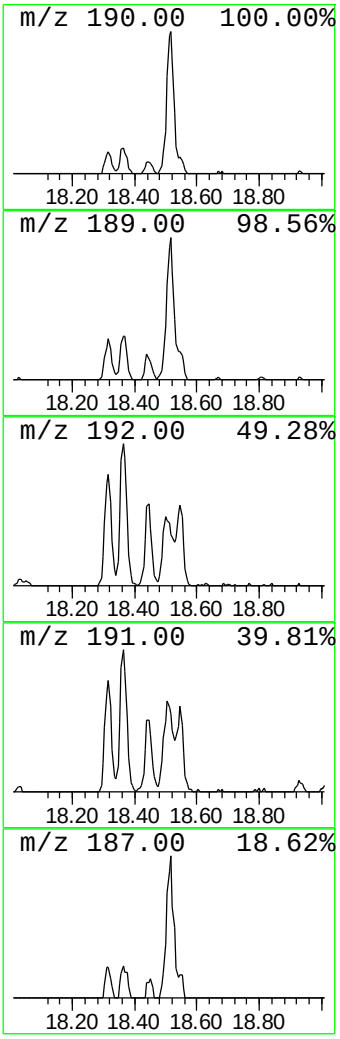
Peak Number 7 4H-Cyclopenta[def]phenanthrene Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.51	5.20 ng/ul	94223	Phenanthrene-d10	17.44

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	70
2	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	62
3	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	53
4	6H-Cyclobuta[jk]phenanthrene	190	C15H10	083469-43-6	53
5	Benzaldehyde, 3,5-dichloro-2-hyd...	190	C7H4Cl2O2	000090-60-8	42





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA G\DATA\BG123015\
Data File : BG020616.D
Acq On : 30 Dec 2015 19:50
Operator : UM/SJ
Sample : G4802-18DL 5X
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : G9D93DL

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG123015.M
Quant Title : SVOA CALIBRATION

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

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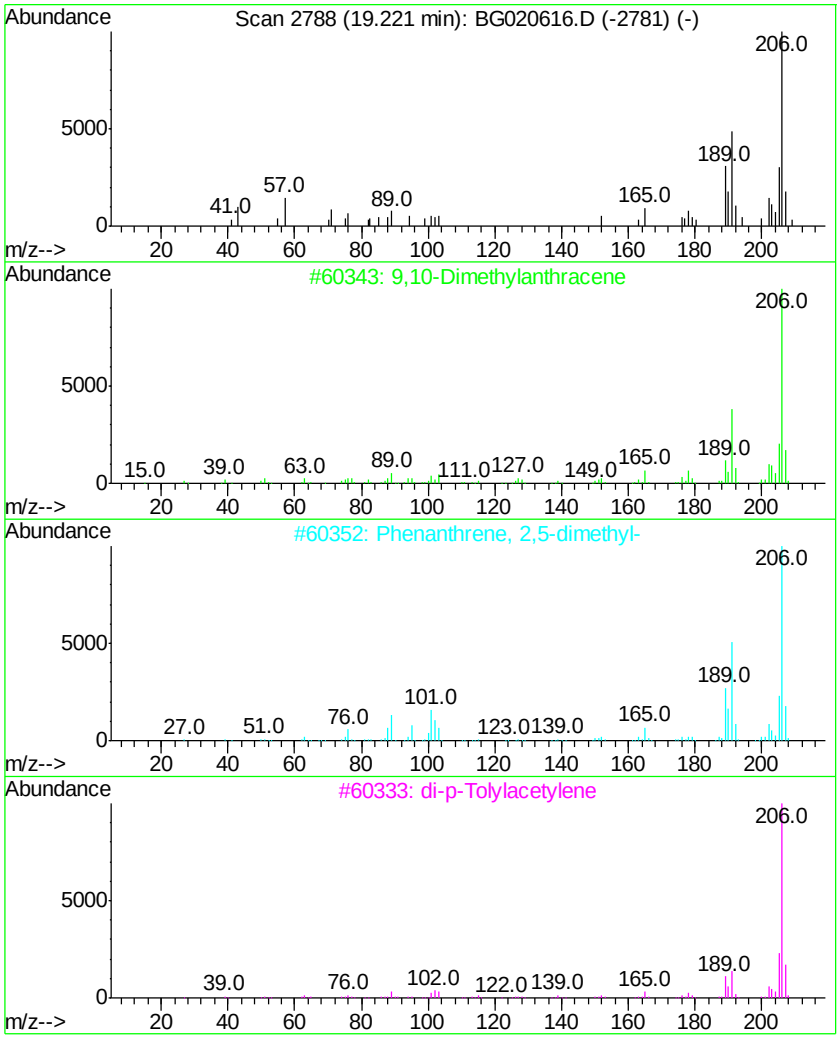
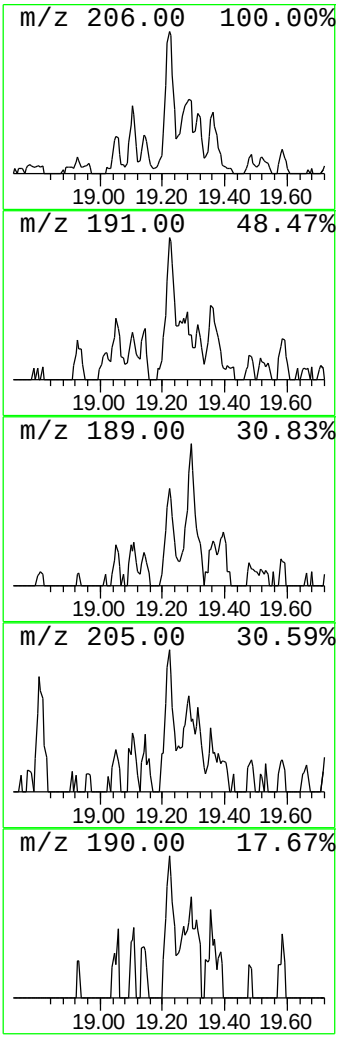
Peak Number 8 9,10-Dimethylanthracene Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.22	2.05 ng/ul	37189	Phenanthrene-d10	17.44

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9,10-Dimethylanthracene	206	C16H14	000781-43-1	94
2	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	90
3	di-p-Tolylacetylene	206	C16H14	002789-88-0	90
4	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	87
5	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	87





Data Path : Z:\HPCHEM1\BNA G\DATA\BG123015\
Data File : BG020616.D
Acq On : 30 Dec 2015 19:50
Operator : UM/SJ
Sample : G4802-18DL 5X
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : G9D93DL

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG123015.M
Quant Title : SVOA CALIBRATION

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

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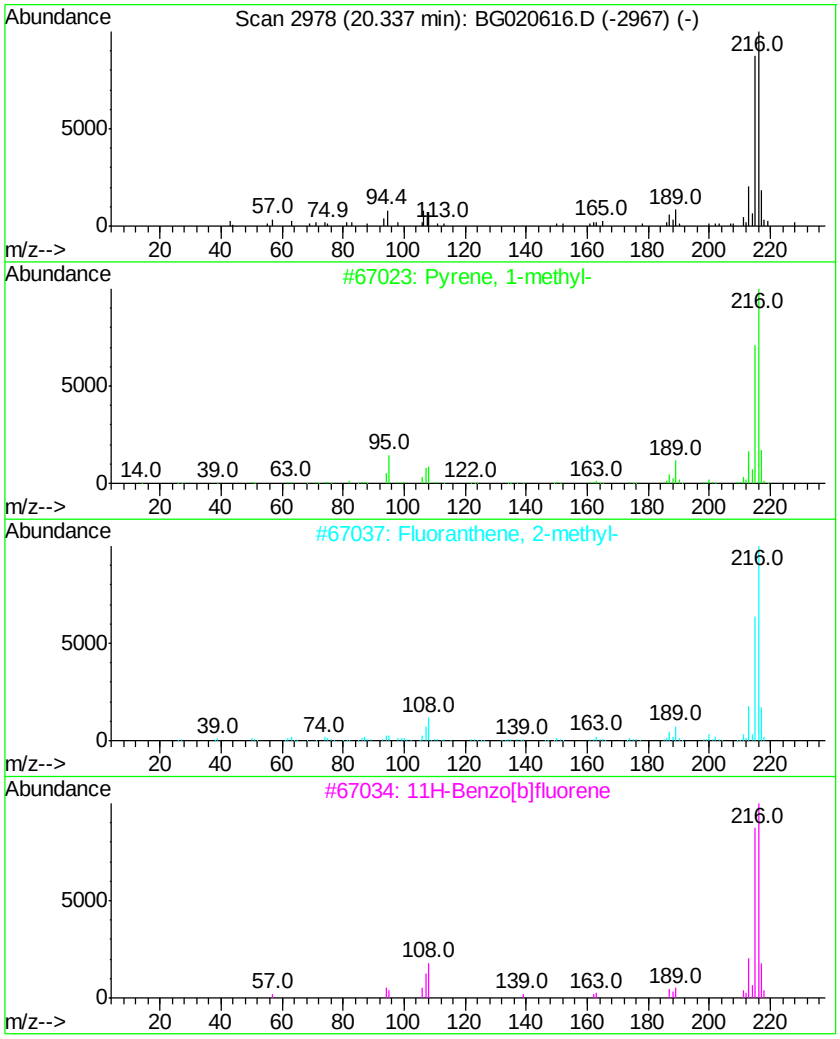
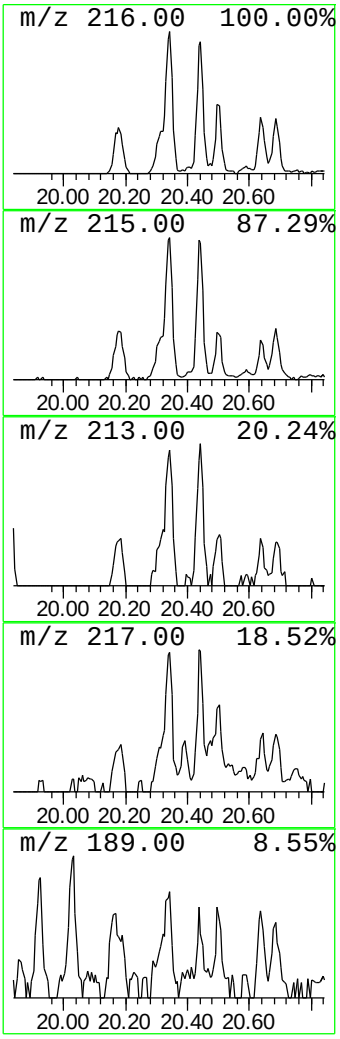
Peak Number 9 Pyrene, 1-methyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.34	2.63 ng/ul	81576	Chrysene-d12	21.71

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene, 1-methyl-	216	C17H12	002381-21-7	94
2	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	93
3	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	91
4	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	91
5	Pyrene, 1-methyl-	216	C17H12	002381-21-7	90





Tentatively Identified Compound (LSC) summary

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG123015\
Data File : BG020616.D
Acq On : 30 Dec 2015 19:50
Operator : UM/SJ
Sample : G4802-18DL 5X
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : G9D93DL

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG123015.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
1-Pentene, 2-methyl-	3.07	2.2	ng/ul	10196	1	8.06	92131	20.0
Indene	8.60	3.5	ng/ul	15965	1	8.06	92131	20.0
Naphthalene, 1-me...	12.75	8.0	ng/ul	61101	2	10.88	152568	20.0
Naphthalene, 1,6-...	14.02	3.0	ng/ul	38484	3	14.70	257008	20.0
Phenanthrene, 1-m...	18.32	2.7	ng/ul	48164	4	17.44	362220	20.0
4H-Cyclopenta[def...	18.51	5.2	ng/ul	94223	4	17.44	362220	20.0
9,10-Dimethylanth...	19.22	2.0	ng/ul	37189	4	17.44	362220	20.0
Pyrene, 1-methyl-	20.34	2.6	ng/ul	81576	5	21.71	619722	20.0