LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA G\DATA\BG081316\
Data File : BG023701.D
Acq On : 13 Aug 2016 23:31
Operator : UM/SJ
Sample : H4385-10
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : P002-SS003-1218-01

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-BG080416.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	3.166	52	56	66	rVB	82487	117472	4.02%	0.312%
2	3.260	68	72	77	rBV3	51487	80657	2.76%	0.214%
3	3.483	107	110	113	rVB5	15879	19811	0.68%	0.053%
4	3.824	166	168	172	rBV5	6702	8225	0.28%	0.022%
5	3.912	180	183	188	rVB3	15820	19953	0.68%	0.053%
6	4.012	195	200	209	rVV	105865	154742	5.29%	0.410%
7	4.094	210	214	218	rVB6	10758	15937	0.54%	0.042%
8	4.241	237	239	242	rVB2	7272	4939	0.17%	0.013%
9	4.494	280	282	285	rBV4	5249	7560	0.26%	0.020%
10	4.799	331	334	341	rVB5	12805	22238	0.76%	0.059%
11	5.175	395	398	399	rBV2	6677	6479	0.22%	0.017%
12	5.263	408	413	420	rBV2	25192	44386	1.52%	0.118%
13	5.586	466	468	470	rBV2	6451	5951	0.20%	0.016%
14	5.921	523	525	530	rVV6	4128	5572	0.19%	0.015%
15	6.191	570	571	576	rVB4	5219	5389	0.18%	0.014%
16	6.297	585	589	594	rVB5	7240	9654	0.33%	0.026%
17	6.344	594	597	600	rBV5	5244	6211	0.21%	0.016%
18	6.497	619	623	628	rBV5	3940	8260	0.28%	0.022%
19	6.890	689	690	695	rBV5	5871	9092	0.31%	0.024%
20	6.949	695	700	703	rVV5	3136	6450	0.22%	0.017%
21	7.120	727	729	732	rVB4	6584	6350	0.22%	0.017%
22	7.266	746	754	764	rBV	354623	649104	22.19%	1.722%
23	7.425	775	781	788	rBV	286861	474285	16.22%	1.258%
24	7.637	809	817	827	rBV	351273	631132	21.58%	1.674%
25	7.760	834	838	839	rBV3	6403	6219	0.21%	0.016%
26	8.112	891	898	908	rBV	396966	689577	23.58%	1.829%
27	8.582	974	978	983	rBV5	3846	6496	0.22%	0.017%
28	8.829	1012	1020	1027	rBV2	303705	554935	18.97%	1.472%
29	8.935	1035	1038	1042	rBV5	4849	5676	0.19%	0.015%
30	9.287	1091	1098	1108	rBV	362902	674974	23.08%	1.790%
31	9.399	1113	1117	1118	rBV4	8857	13206	0.45%	0.035%
32	10.022	1214	1223	1233	rBV	327633	613423	20.97%	1.627%
33	10.574	1308	1317	1329	rBV	432122	872095	29.82%	2.313%
34	10.950	1374	1381	1388	rBV	578713	1066940	36.48%	2.830%

LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA G\DATA\BG081316\
Data File : BG023701.D
Acq On : 13 Aug 2016 23:31
Operator : UM/SJ
Sample : H4385-10
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : P002-SS003-1218-01

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-BG080416.M
Title : SVOA CALIBRATION

35	11.091	1396	1405	1415	rBV2	158202	334768	11.45%	0.888%
36	11.261	1432	1434	1437	rVB4	5460	5097	0.17%	0.014%
37	11.584	1486	1489	1491	rBV3	3561	5093	0.17%	0.014%
38	11.954	1551	1552	1556	rVB4	5693	5328	0.18%	0.014%
39	11.995	1556	1559	1560	rBV3	5016	5405	0.18%	0.014%
40	12.348	1614	1619	1621	rBV4	3725	6216	0.21%	0.016%
41	12.424	1629	1632	1635	rBV4	6182	8042	0.27%	0.021%
42	12.536	1647	1651	1655	rVB4	10376	16963	0.58%	0.045%
43	12.606	1658	1663	1669	rVB	22675	39030	1.33%	0.104%
44	12.753	1685	1688	1691	rVV5	6757	7354	0.25%	0.020%
45	12.824	1695	1700	1706	rVB3	29443	49655	1.70%	0.132%
46	12.959	1720	1723	1728	rBV7	4816	8743	0.30%	0.023%
47	13.082	1742	1744	1747	rVB3	5465	5721	0.20%	0.015%
48	13.123	1747	1751	1757	rBV7	13412	27407	0.94%	0.073%
49	13.264	1774	1775	1778	rBV3	5806	5318	0.18%	0.014%
50	13.376	1789	1794	1798	rVB6	16224	28829	0.99%	0.076%
51	13.493	1812	1814	1818	rVB3	6590	5417	0.19%	0.014%
52	13.581	1826	1829	1830	rBV2	6323	5734	0.20%	0.015%
53	13.611	1833	1834	1836	rVV2	8892	6598	0.23%	0.018%
54	13.646	1836	1840	1848	rVB3	22520	39437	1.35%	0.105%
55	13.951	1884	1892	1900	rVB6	28071	81374	2.78%	0.216%
56	14.028	1900	1905	1907	rBV6	10136	20141	0.69%	0.053%
57	14.104	1912	1918	1923	rVV2	53917	97672	3.34%	0.259%
58	14.181	1923	1931	1935	rVV	889576	1355747	46.35%	3.596%
59	14.228	1935	1939	1945	rVB	441743	628616	21.49%	1.668%
60	14.339	1954	1958	1968	rVB3	25695	53094	1.82%	0.141%
61	14.480	1975	1982	1997	rBV	965579	1758719	60.13%	4.665%
62	14.651	2008	2011	2015	rVB5	17178	25129	0.86%	0.067%
63	14.786	2023	2034	2041	rBV2	916020	1528737	52.27%	4.055%
64	14.856	2042	2046	2050	rVB6	24411	43041	1.47%	0.114%
65	14.909	2053	2055	2057	rBV3	8074	5688	0.19%	0.015%
66	15.009	2065	2072	2081	rBV3	250863	542795	18.56%	1.440%
67	15.150	2093	2096	2099	rBV4	31314	54459	1.86%	0.144%
68	15.256	2109	2114	2119	rVB3	58205	93685	3.20%	0.249%
69	15.397	2132	2138	2144	rBV4	54726	111384	3.81%	0.295%
70	15.449	2144	2147	2152	rVB2	36045	47902	1.64%	0.127%
71	15.567	2161	2167	2170	rBV8	36258	77156	2.64%	0.205%

LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA G\DATA\BG081316\
Data File : BG023701.D
Acq On : 13 Aug 2016 23:31
Operator : UM/SJ
Sample : H4385-10
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : P002-SS003-1218-01

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-BG080416.M
Title : SVOA CALIBRATION

72	15.608	2170	2174	2177	rVB2	72371	96349	3.29%	0.256%
73	15.661	2180	2183	2187	rVB3	23339	34634	1.18%	0.092%
74	15.784	2194	2204	2209	rBV	1243953	1983046	67.80%	5.260%
75	15.831	2210	2212	2220	rVB3	57432	94028	3.21%	0.249%
76	15.914	2221	2226	2232	rBV2	296784	471447	16.12%	1.251%
77	16.472	2317	2321	2323	rBV	77461	91859	3.14%	0.244%
78	16.648	2347	2351	2356	rBV5	32292	56260	1.92%	0.149%
79	17.200	2443	2445	2451	rVB3	57343	84772	2.90%	0.225%
80	17.271	2454	2457	2463	rVB3	79182	97112	3.32%	0.258%
81	17.370	2471	2474	2479	rVB	88788	120295	4.11%	0.319%
82	17.553	2499	2505	2508	rBV	1001662	1603964	54.84%	4.255%
83	17.594	2508	2512	2517	rVB	776584	1127890	38.56%	2.992%
84	17.647	2517	2521	2527	rBV2	1164010	1760451	60.19%	4.670%
85	18.140	2601	2605	2610	rVB	132920	199161	6.81%	0.528%
86	18.422	2649	2653	2659	rBV2	726324	1215434	41.56%	3.224%
87	18.481	2659	2663	2668	rVB	482623	733254	25.07%	1.945%
88	18.622	2682	2687	2691	rBV2	399383	757267	25.89%	2.009%
89	18.657	2691	2693	2698	rVB	305481	403385	13.79%	1.070%
90	18.921	2735	2738	2742	rBV3	162254	202643	6.93%	0.538%
91	19.221	2785	2789	2792	rBV	196380	252158	8.62%	0.669%
92	19.338	2805	2809	2814	rBV	528510	812359	27.77%	2.155%
93	19.485	2830	2834	2840	rBV5	165513	319991	10.94%	0.849%
94	19.609	2850	2855	2860	rVB	1258092	1814956	62.05%	4.814%
95	19.943	2907	2912	2914	rBV	1532080	2195430	75.06%	5.824%
96	19.973	2914	2917	2924	rVB	1612778	2295257	78.47%	6.089%
97	20.037	2925	2928	2934	rVB2	272881	401516	13.73%	1.065%
98	20.760	3048	3051	3055	rBV	327208	419618	14.35%	1.113%
99	21.870	3233	3240	3245	rBV3	1204249	2924845	100.00%	7.759%
100	21.923	3246	3249	3260	rVB	688231	1163580	39.78%	3.087%

Sum of corrected areas: 37697845

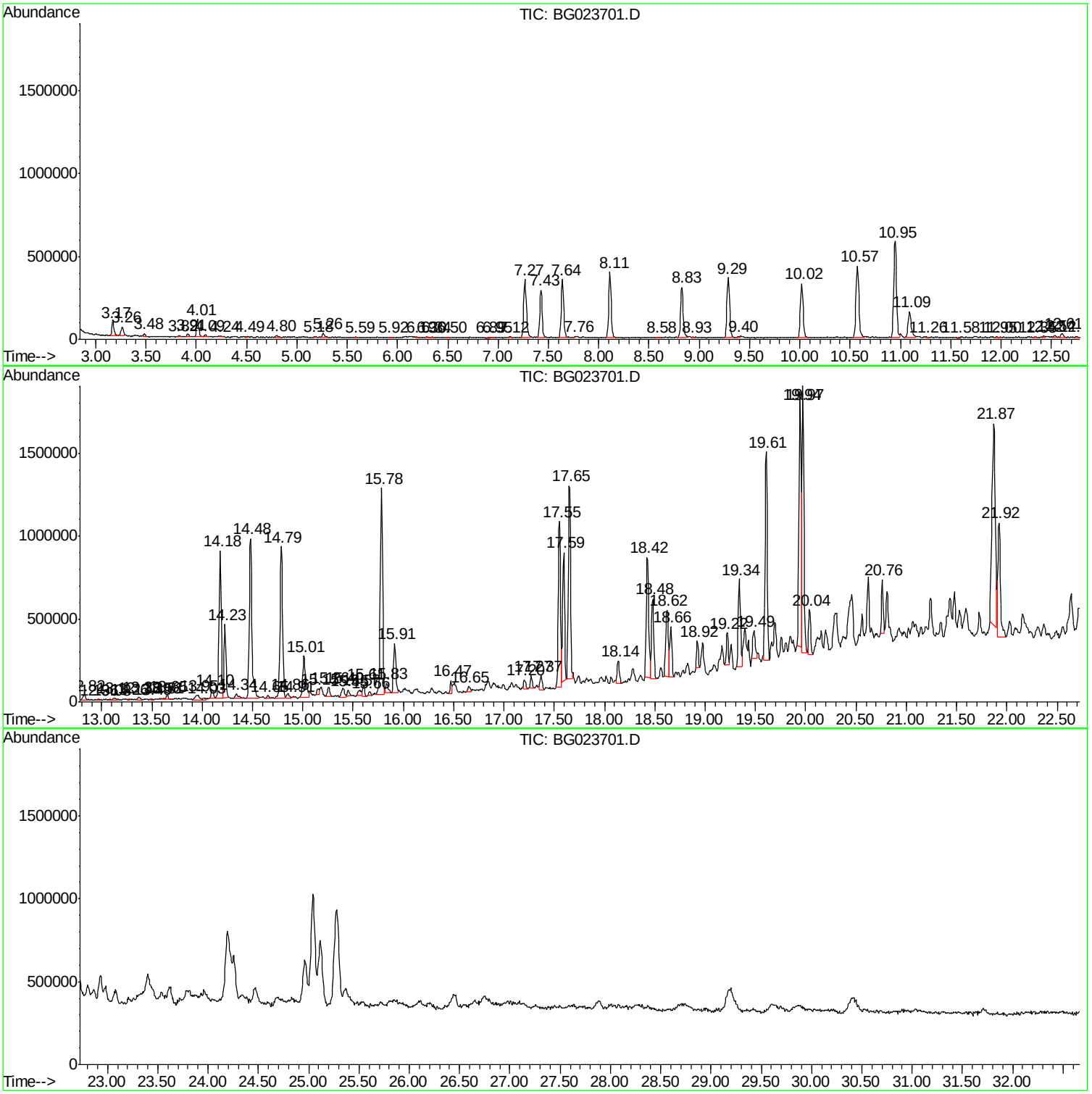
LSC Report - Integrated Chromatogram

Data Path : Z:\HPCHEM1\BNA G\DATA\BG081316\
Data File : BG023701.D
Acq On : 13 Aug 2016 23:31
Operator : UM/SJ
Sample : H4385-10
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : P002-SS003-1218-01

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG080416.M
Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P



Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA G\DATA\BG081316\
Data File : BG023701.D
Acq On : 13 Aug 2016 23:31
Operator : UM/SJ
Sample : H4385-10
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : P002-SS003-1218-01

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG080416.M
Quant Title : SVOA CALIBRATION

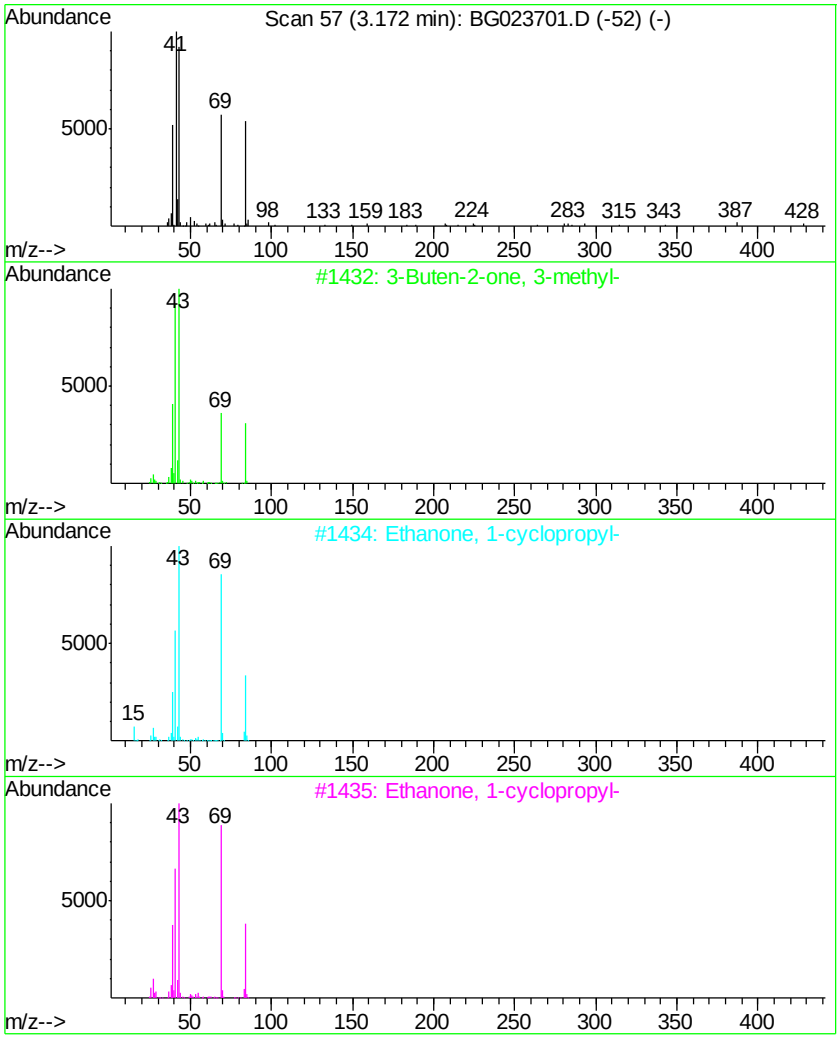
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

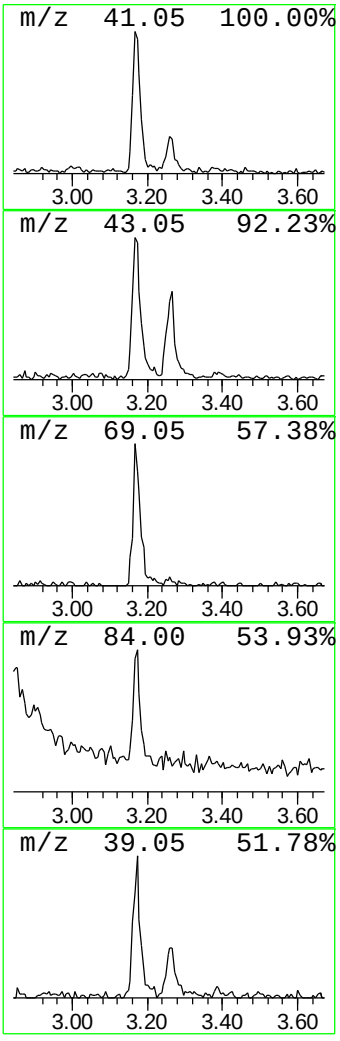
****

Peak Number 1 3-Buten-2-one, 3-methyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.17	3.41 ng/ul	117472	1,4-Dichlorobenzene-d4	8.11

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-Buten-2-one, 3-methyl-	84	C5H8O	000814-78-8	64
2	Ethanone, 1-cyclopropyl-	84	C5H8O	000765-43-5	64
3	Ethanone, 1-cyclopropyl-	84	C5H8O	000765-43-5	64
4	3-Buten-2-one, 3-methyl-	84	C5H8O	000814-78-8	43
5	3-Penten-2-one, (E)-	84	C5H8O	003102-33-8	40





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA G\DATA\BG081316\
Data File : BG023701.D
Acq On : 13 Aug 2016 23:31
Operator : UM/SJ
Sample : H4385-10
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : P002-SS003-1218-01

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG080416.M
Quant Title : SVOA CALIBRATION

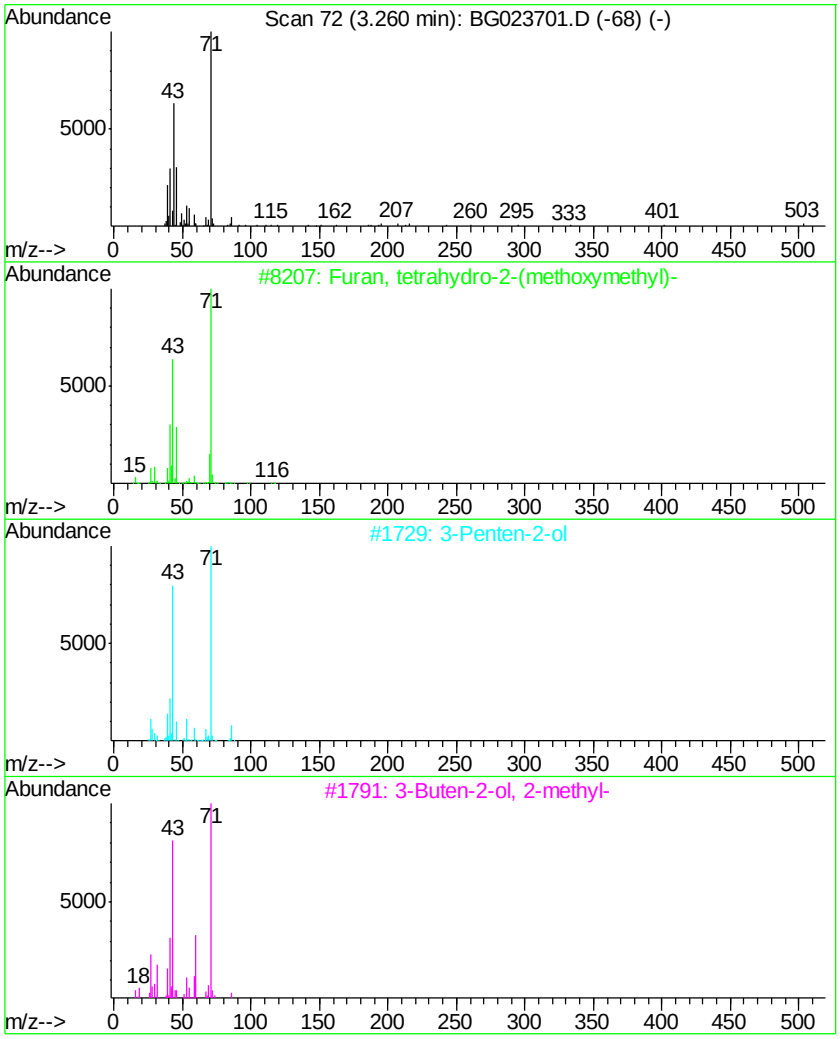
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

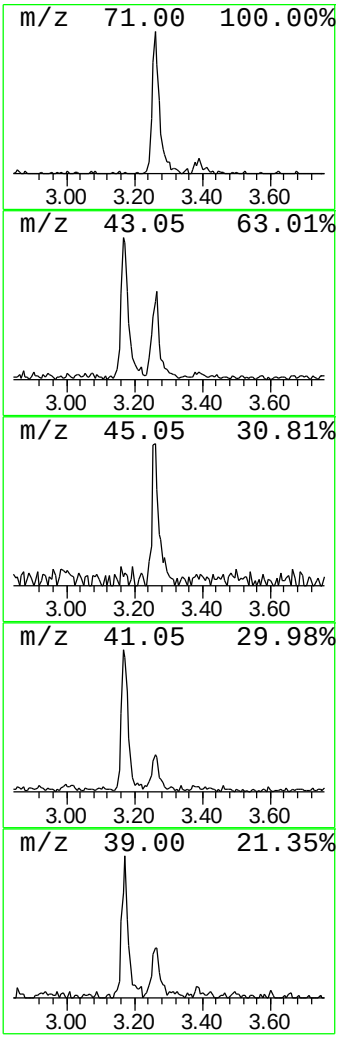
****

Peak Number 2 Furan, tetrahydro-2-(methox... Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.26	2.34 ng/ul	80657	1,4-Dichlorobenzene-d4	8.11

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Furan, tetrahydro-2-(methoxymeth...	116	C6H12O2	019354-27-9	64
2	3-Penten-2-ol	86	C5H10O	001569-50-2	58
3	3-Buten-2-ol, 2-methyl-	86	C5H10O	000115-18-4	58
4	2-Methyl-1,5-hexadiene-3-ol	112	C7H12O	017123-60-3	50
5	1-Propene, 3-methoxy-2-methyl-	86	C5H10O	022418-49-1	50





Data Path : Z:\HPCHEM1\BNA G\DATA\BG081316\
Data File : BG023701.D
Acq On : 13 Aug 2016 23:31
Operator : UM/SJ
Sample : H4385-10
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : P002-SS003-1218-01

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG080416.M
Quant Title : SVOA CALIBRATION

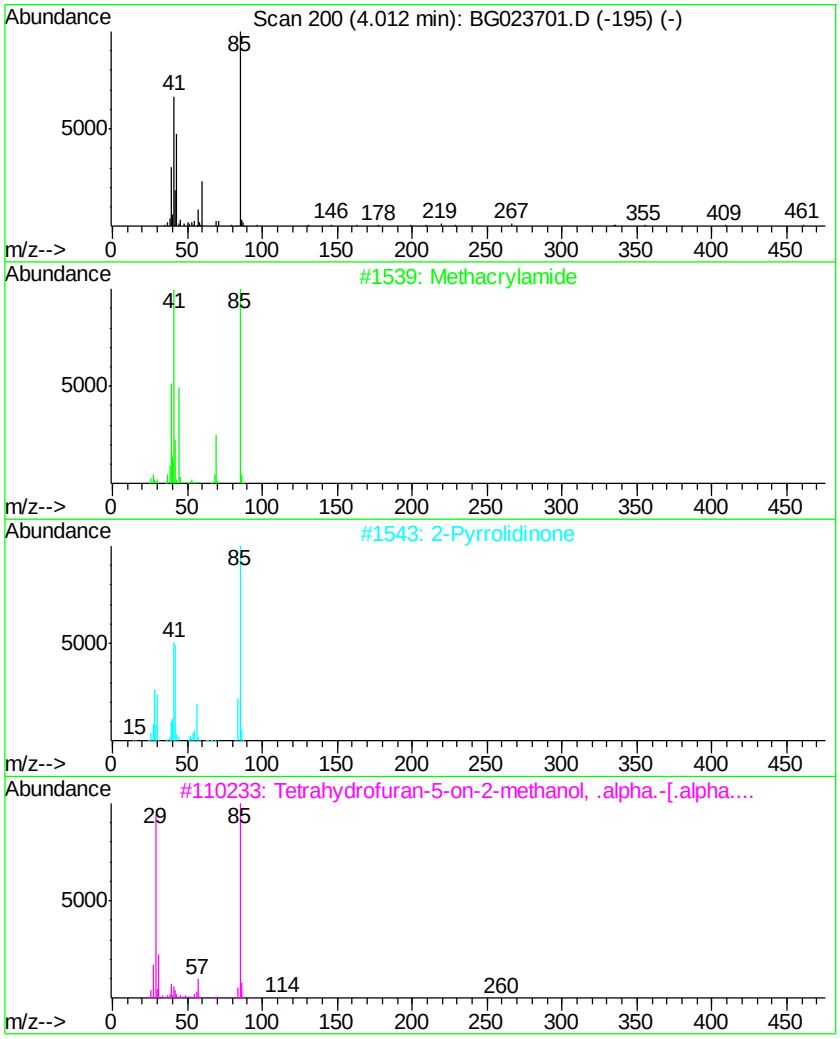
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

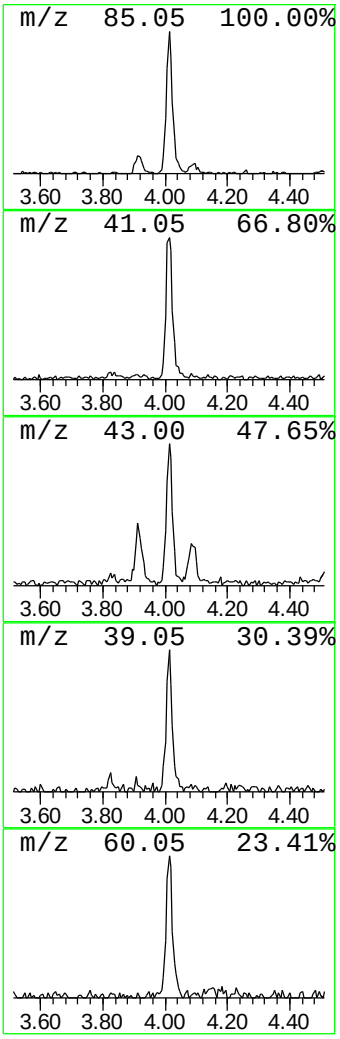
****

Peak Number 3 unknown-01 Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.01	4.49 ng/ul	154742	1,4-Dichlorobenzene-d4	8.11

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Methacrylamide	85	C4H7NO	000079-39-0	36
2	2-Pyrrolidinone	85	C4H7NO	000616-45-5	9
3	Tetrahydrofuran-5-on-2-methanol,...	260	C11H16O7	1000192-28-3	9
4	2H-Pyran, tetrahydro-2-methyl-	100	C6H12O	010141-72-7	9
5	Pentanoic acid 1-methylpropyl ester	158	C9H18O2	023361-74-2	9





Data Path : Z:\HPCHEM1\BNA G\DATA\BG081316\
Data File : BG023701.D
Acq On : 13 Aug 2016 23:31
Operator : UM/SJ
Sample : H4385-10
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : P002-SS003-1218-01

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG080416.M
Quant Title : SVOA CALIBRATION

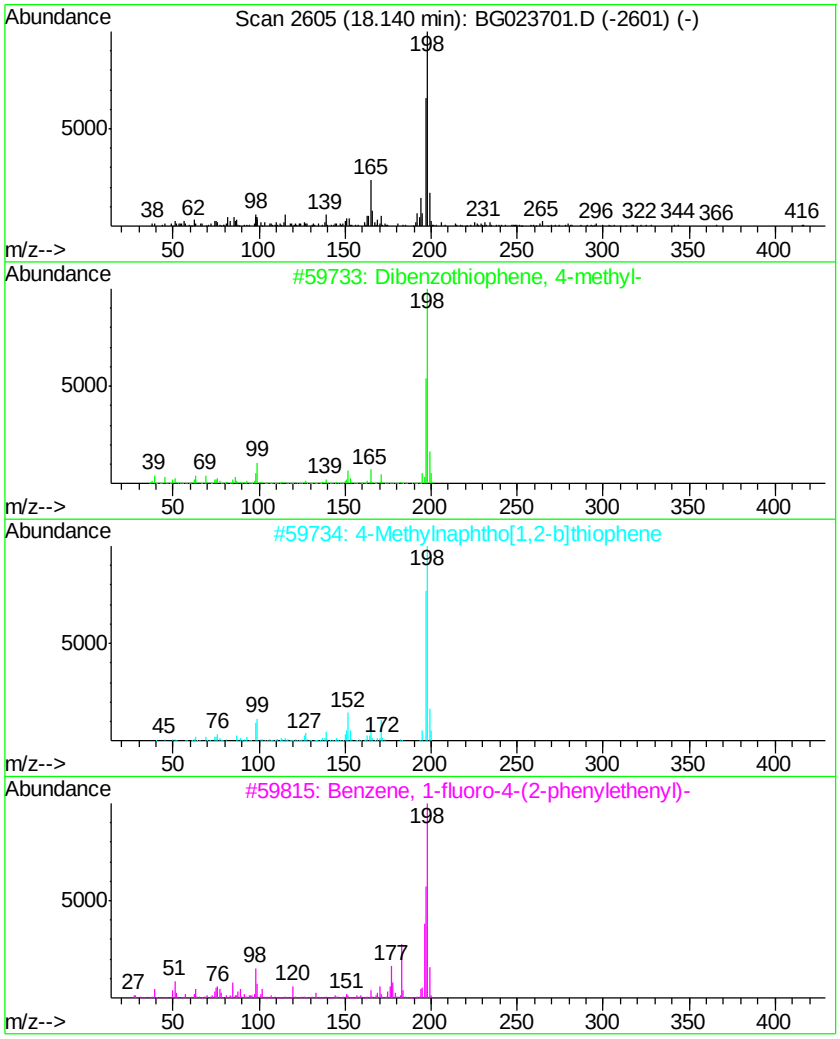
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

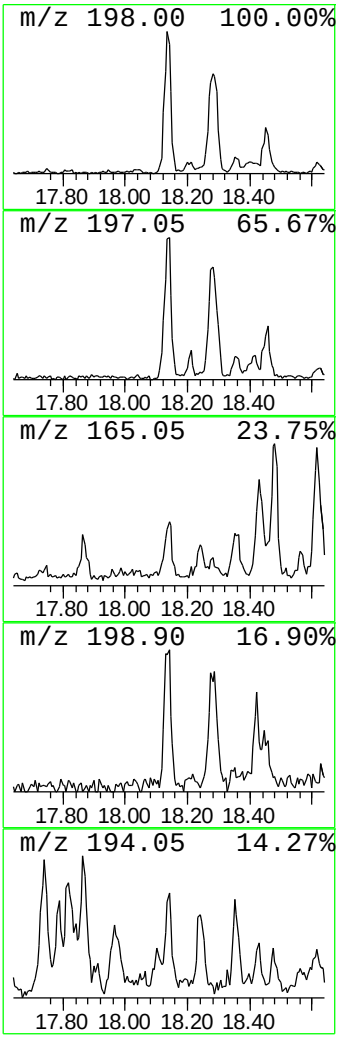
****

Peak Number 4 Dibenzothiophene, 4-methyl- Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.14	2.26 ng/ul	199161	Phenanthrene-d10	17.65

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dibenzothiophene, 4-methyl-	198	C13H10S	007372-88-5	64
2	4-Methylnaphtho[1,2-b]thiophene	198	C13H10S	067388-11-8	64
3	Benzene, 1-fluoro-4-(2-phenyleth...	198	C14H11F	017404-69-2	64
4	Benzene, 1,1'-(1-fluoro-1,2-ethe...	198	C14H11F	000671-19-2	64
5	Benzenamine, 4,4'-methylenebis-	198	C13H14N2	000101-77-9	64





Data Path : Z:\HPCHEM1\BNA G\DATA\BG081316\
Data File : BG023701.D
Acq On : 13 Aug 2016 23:31
Operator : UM/SJ
Sample : H4385-10
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : P002-SS003-1218-01

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG080416.M
Quant Title : SVOA CALIBRATION

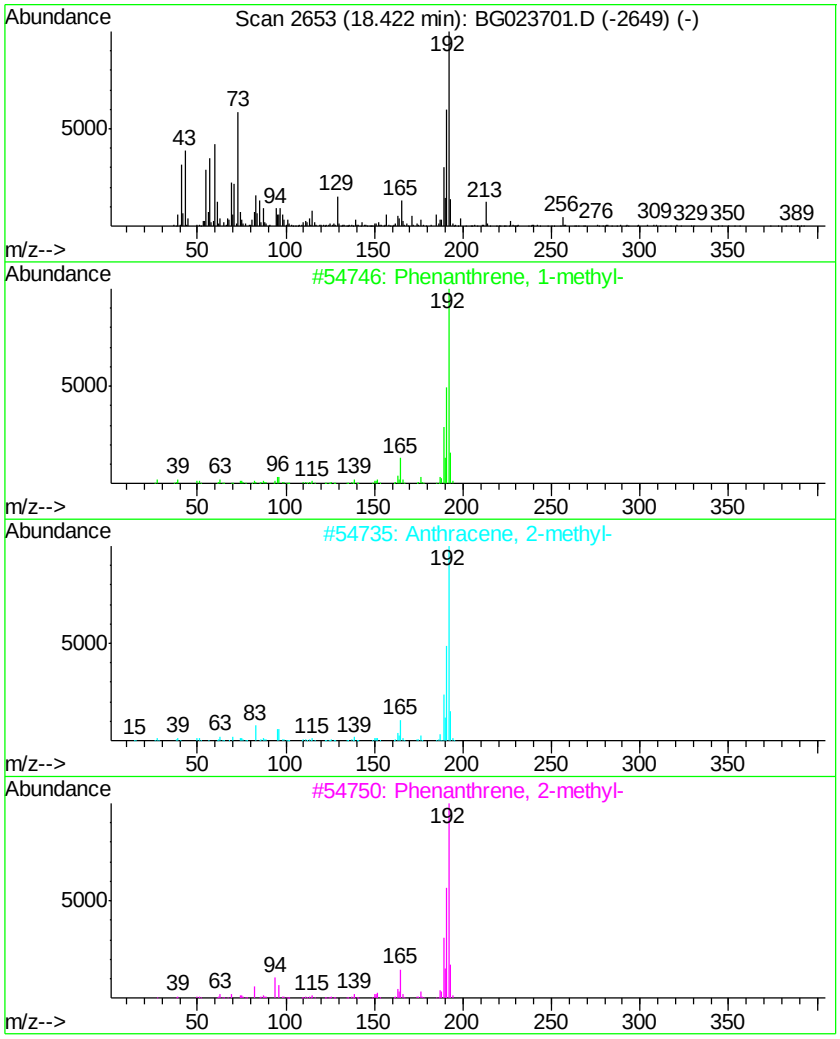
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

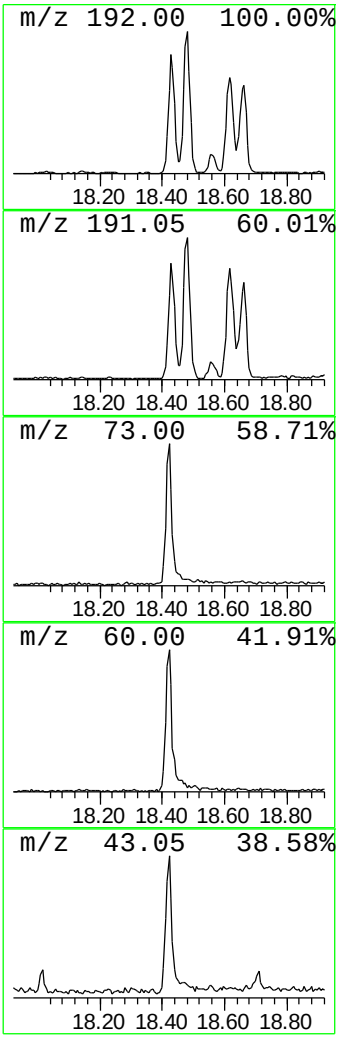
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.42	13.81 ng/ul	1215430	Phenanthrene-d10	17.65

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	97
2	Anthracene, 2-methyl-	192	C15H12	000613-12-7	95
3	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	93
4	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	93
5	Anthracene, 9-methyl-	192	C15H12	000779-02-2	92





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Data File : BG023701.D
Acq On : 13 Aug 2016 23:31
Operator : UM/SJ
Sample : H4385-10
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : P002-SS003-1218-01

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG080416.M
Quant Title : SVOA CALIBRATION

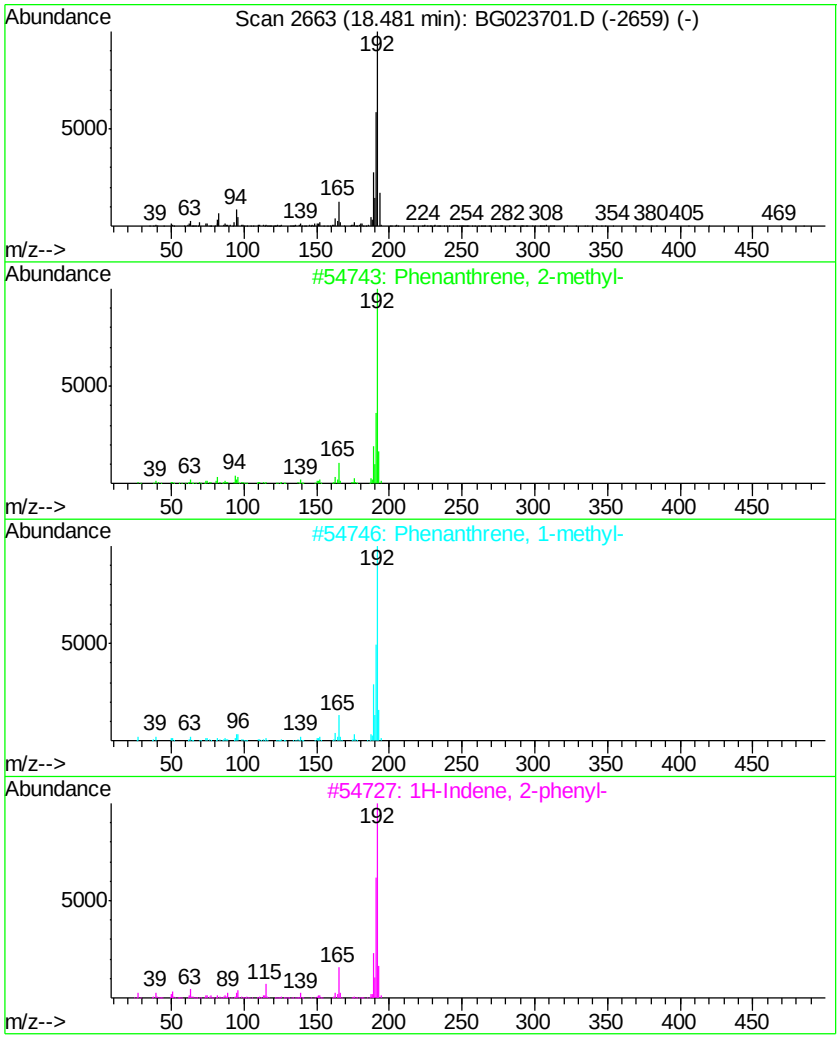
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

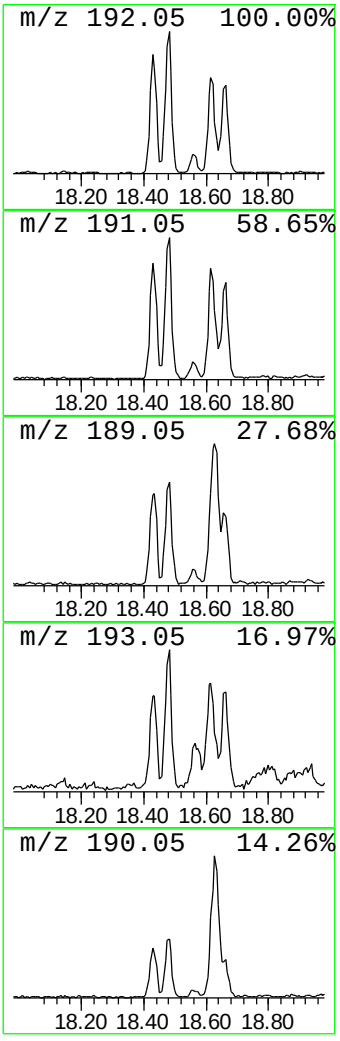
****

Peak Number 6 Phenanthrene, 2-methyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.48	8.33 ng/ul	733254	Phenanthrene-d10	17.65

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	94
2	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	93
3	1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	91
4	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	91
5	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	91





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Data File : BG023701.D
Acq On : 13 Aug 2016 23:31
Operator : UM/SJ
Sample : H4385-10
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : P002-SS003-1218-01

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG080416.M
Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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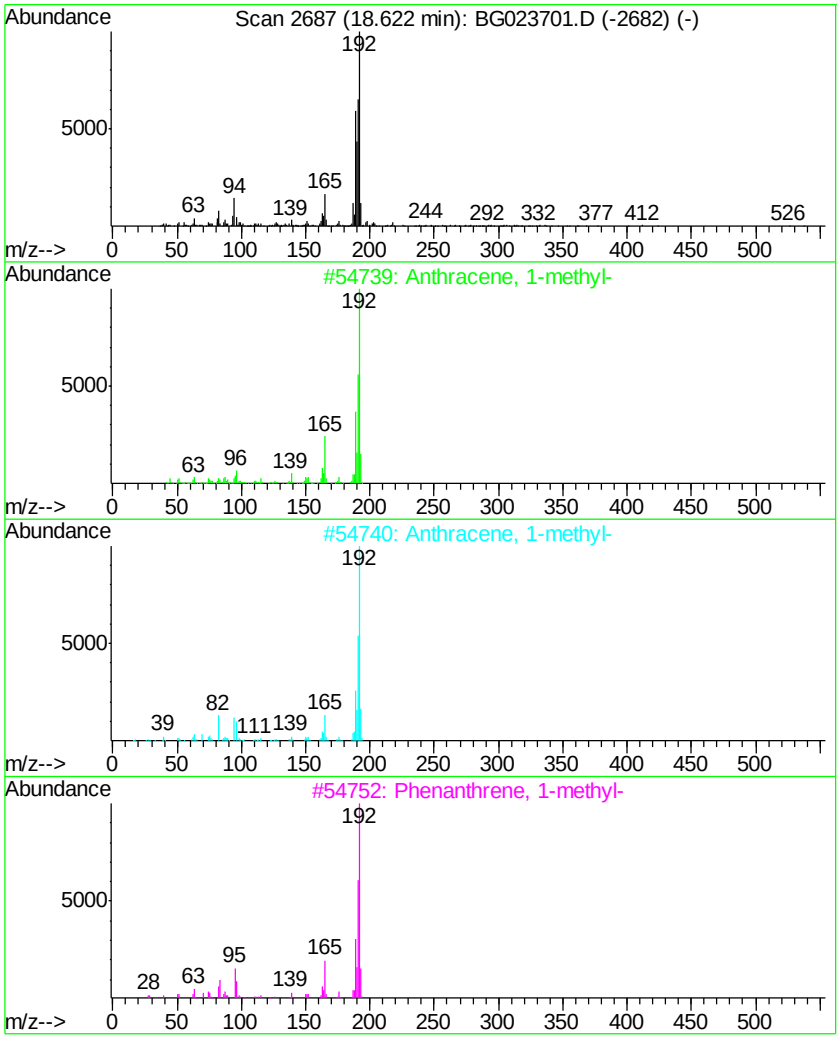
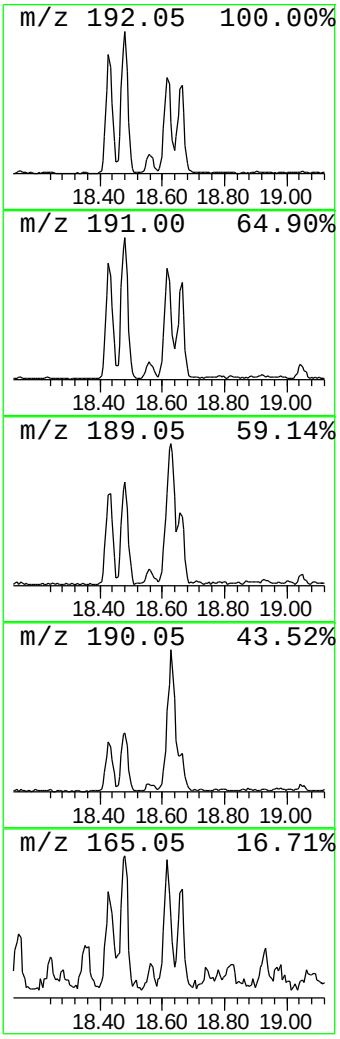
Peak Number 7 Anthracene, 1-methyl- Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.62	8.60 ng/ul	757267	Phenanthrene-d10	17.65

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene, 1-methyl-	192	C15H12	000610-48-0	89
2	Anthracene, 1-methyl-	192	C15H12	000610-48-0	60
3	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	60
4	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	55
5	5H-Dibenzo[a,d]cycloheptene	192	C15H12	000256-81-5	53





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Operator : UM/SJ
Sample : H4385-10
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : P002-SS003-1218-01

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG080416.M
Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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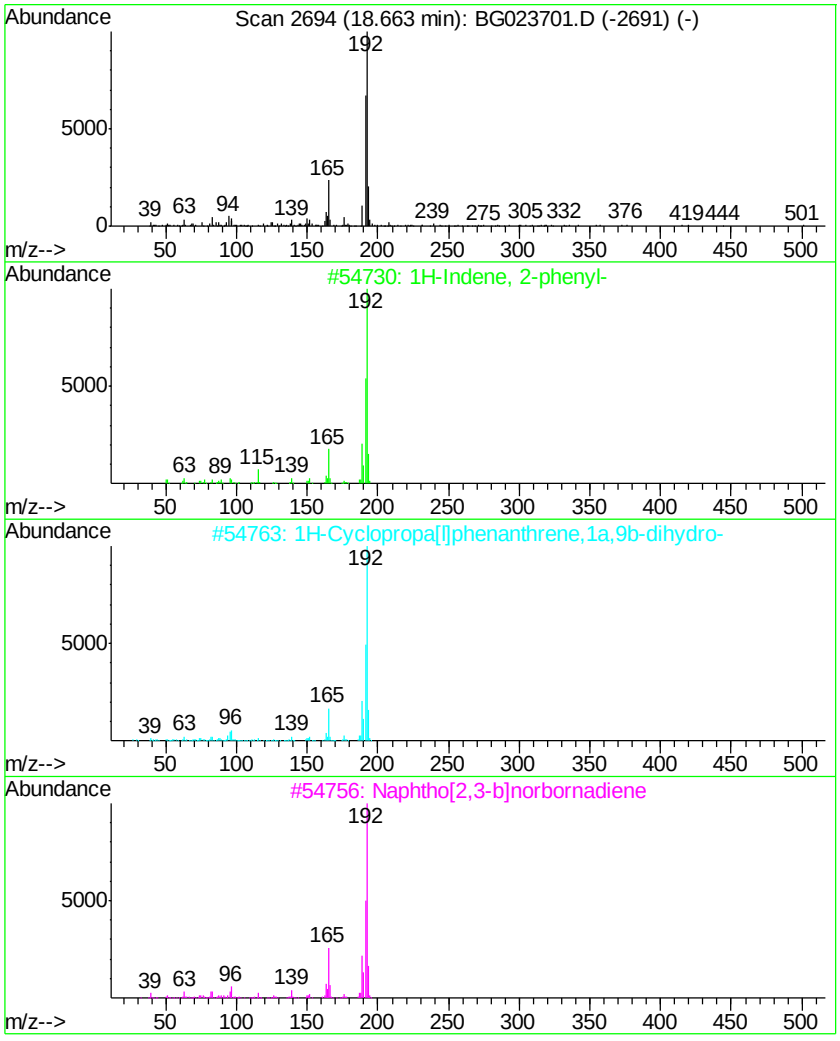
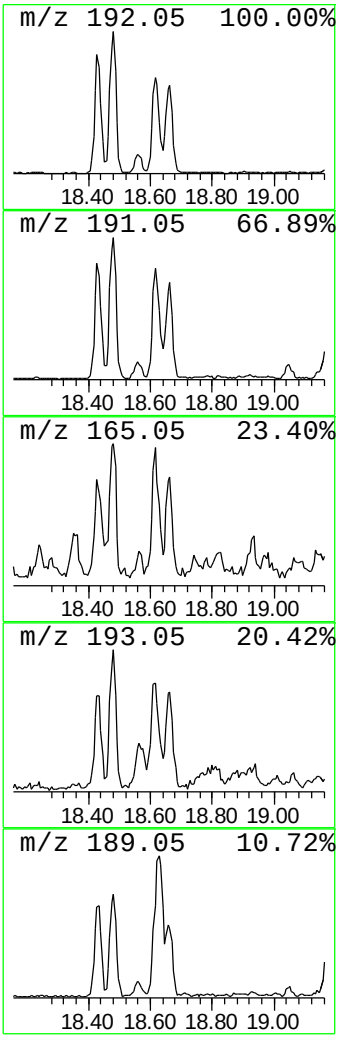
Peak Number 8 1H-Indene, 2-phenyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.66	4.58 ng/ul	403385	Phenanthrene-d10	17.65

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	83
2	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	83
3	Naphtho[2,3-b]norbornadiene	192	C15H12	107426-38-0	80
4	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	80
5	Anthracene, 9-methyl-	192	C15H12	000779-02-2	80





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA G\DATA\BG081316\
Data File : BG023701.D
Acq On : 13 Aug 2016 23:31
Operator : UM/SJ
Sample : H4385-10
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : P002-SS003-1218-01

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG080416.M
Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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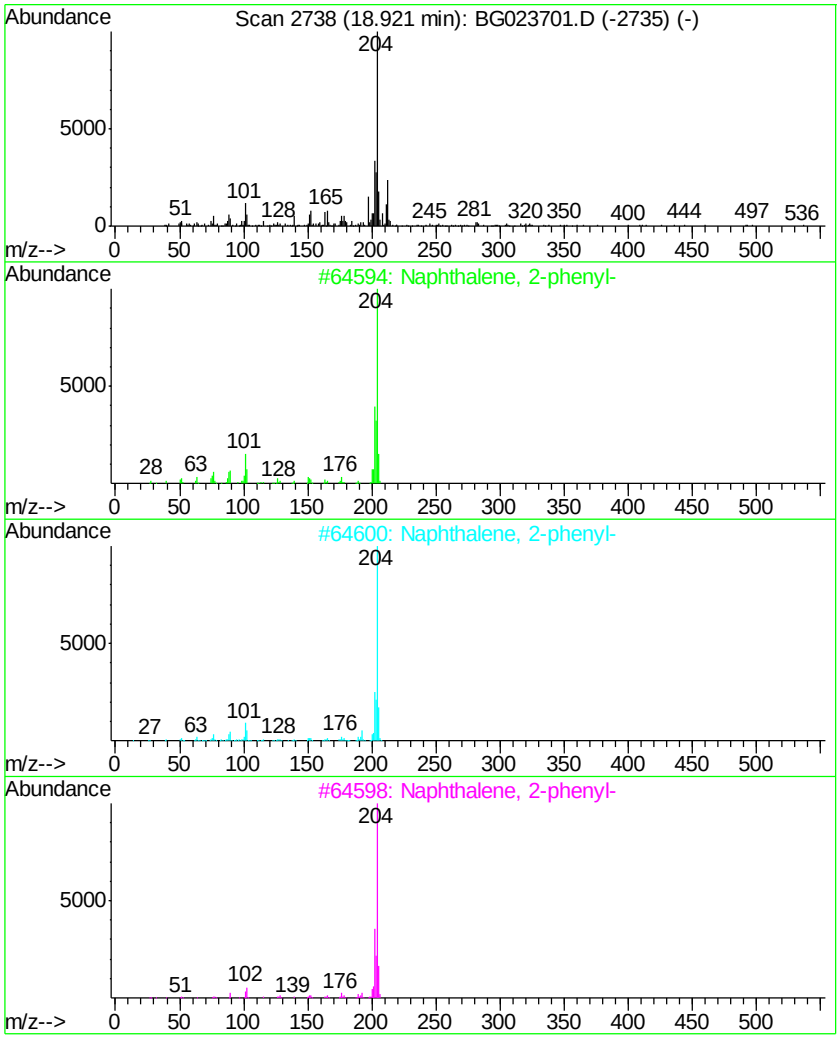
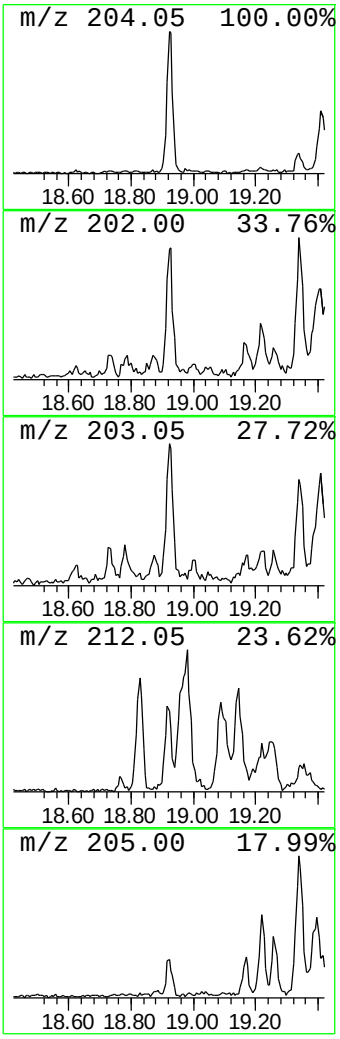
Peak Number 9 Naphthalene, 2-phenyl- Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.92	2.30 ng/ul	202643	Phenanthrene-d10	17.65

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	60
2	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	60
3	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	60
4	Tricyclo[8.2.2.2(4,7)]hexadeca-2...	204	C16H12	006572-60-7	60
5	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	55





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA G\DATA\BG081316\
Data File : BG023701.D
Acq On : 13 Aug 2016 23:31
Operator : UM/SJ
Sample : H4385-10
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : P002-SS003-1218-01

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG080416.M
Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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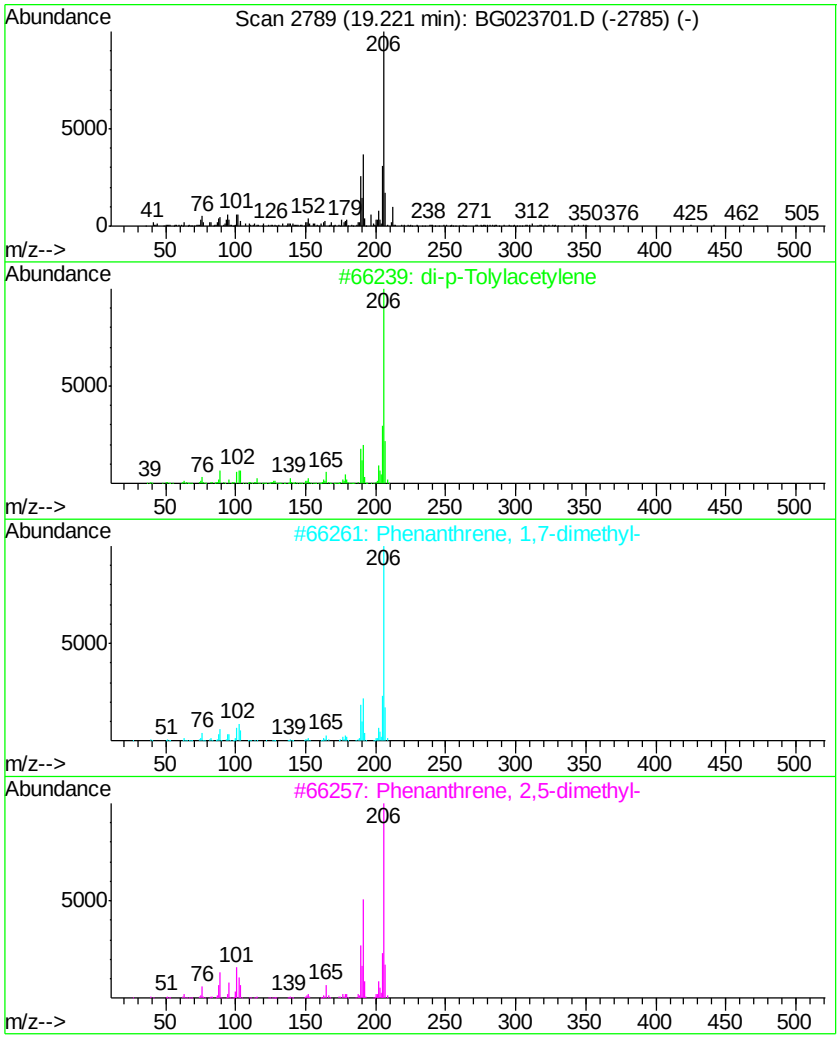
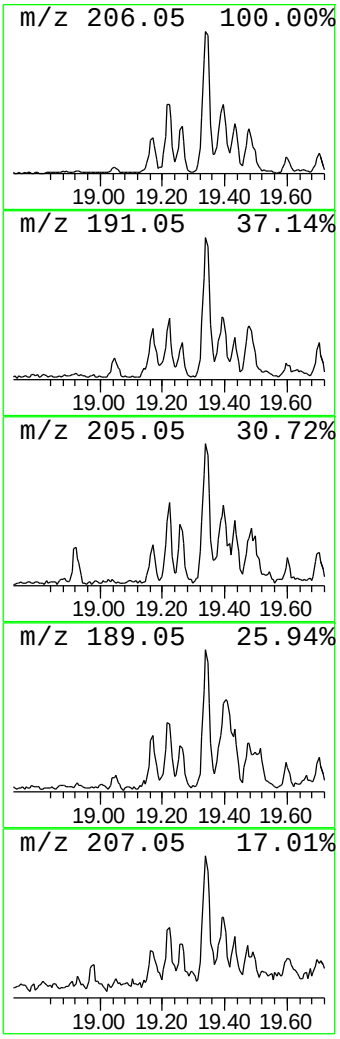
Peak Number 10 di-p-Tolylacetylene Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.22	2.86 ng/ul	252158	Phenanthrene-d10	17.65

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	di-p-Tolylacetylene	206	C16H14	002789-88-0	90
2	Phenanthrene, 1,7-dimethyl-	206	C16H14	000483-87-4	87
3	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	87
4	Phenanthrene, 2,7-dimethyl-	206	C16H14	001576-69-8	83
5	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	74





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Data File : BG023701.D
Acq On : 13 Aug 2016 23:31
Operator : UM/SJ
Sample : H4385-10
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : P002-SS003-1218-01

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG080416.M
Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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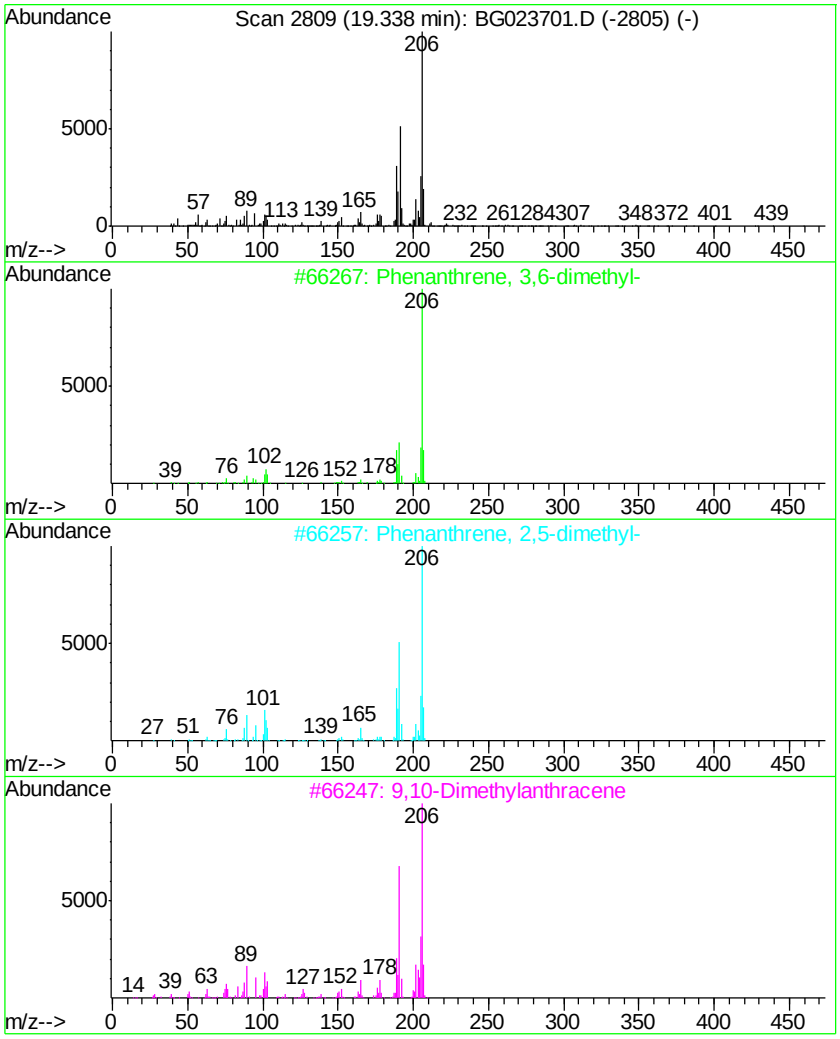
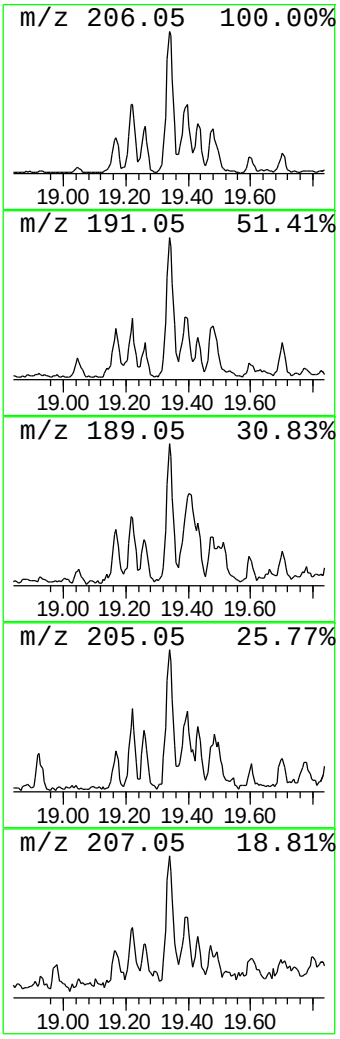
Peak Number 11 Phenanthrene, 3,6-dimethyl- Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.34	9.23 ng/ul	812359	Phenanthrene-d10	17.65

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	94
2	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	93
3	9,10-Dimethylanthracene	206	C16H14	000781-43-1	91
4	di-p-Tolylacetylene	206	C16H14	002789-88-0	91
5	Phenanthrene, 1,7-dimethyl-	206	C16H14	000483-87-4	90





Data Path : Z:\HPCHEM1\BNA G\DATA\BG081316\
Data File : BG023701.D
Acq On : 13 Aug 2016 23:31
Operator : UM/SJ
Sample : H4385-10
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : P002-SS003-1218-01

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG080416.M
Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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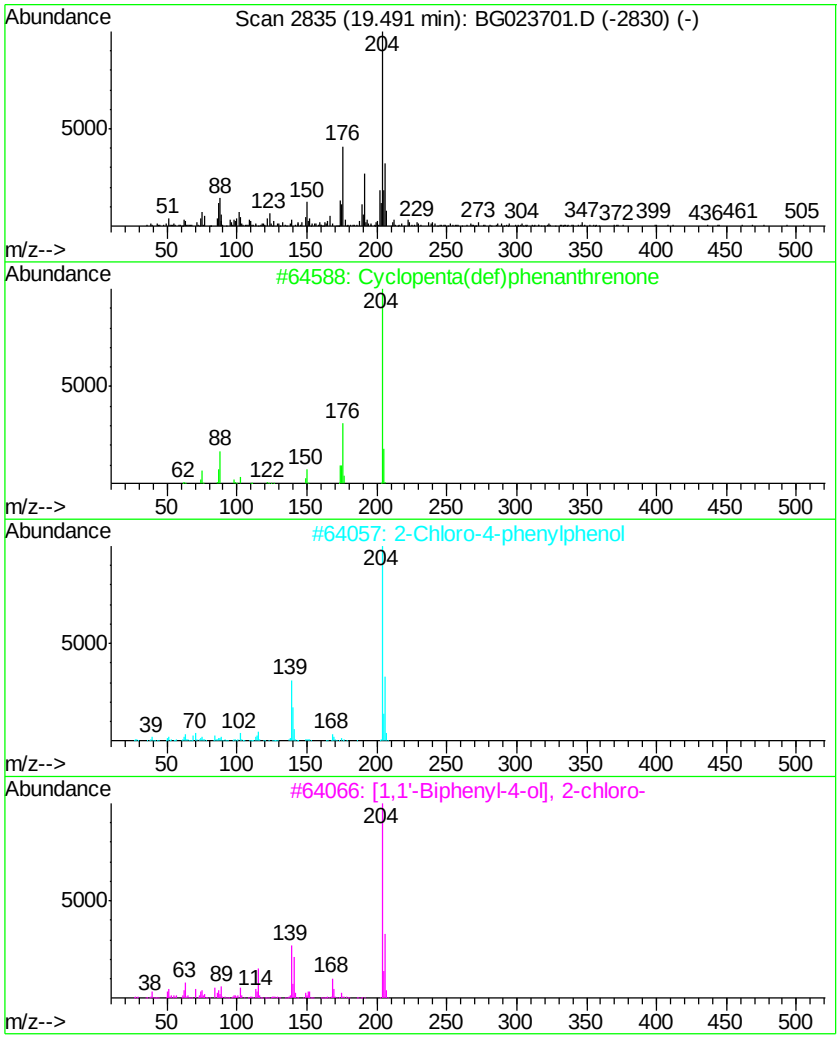
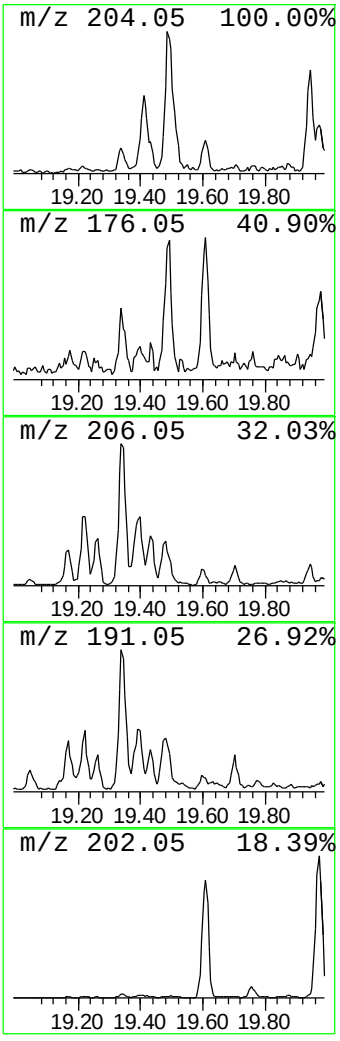
Peak Number 12 Cyclopenta(def)phenanthrenone Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.49	3.64 ng/ul	319991	Phenanthrene-d10	17.65

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopenta(def)phenanthrenone	204	C15H8O	005737-13-3	46
2	2-Chloro-4-phenylphenol	204	C12H9ClO	000092-04-6	43
3	[1,1'-Biphenyl-4-ol], 2-chloro-	204	C12H9ClO	023719-22-4	43
4	5-(4-Ethoxy-phenyl)-2H-pyrazol-3-ol	204	C11H12N2O2	1000278-26-8	38
5	[1,1'-Biphenyl]-4-ol, 4'-chloro-	204	C12H9ClO	028034-99-3	38





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Data File : BG023701.D
Acq On : 13 Aug 2016 23:31
Operator : UM/SJ
Sample : H4385-10
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : P002-SS003-1218-01

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG080416.M
Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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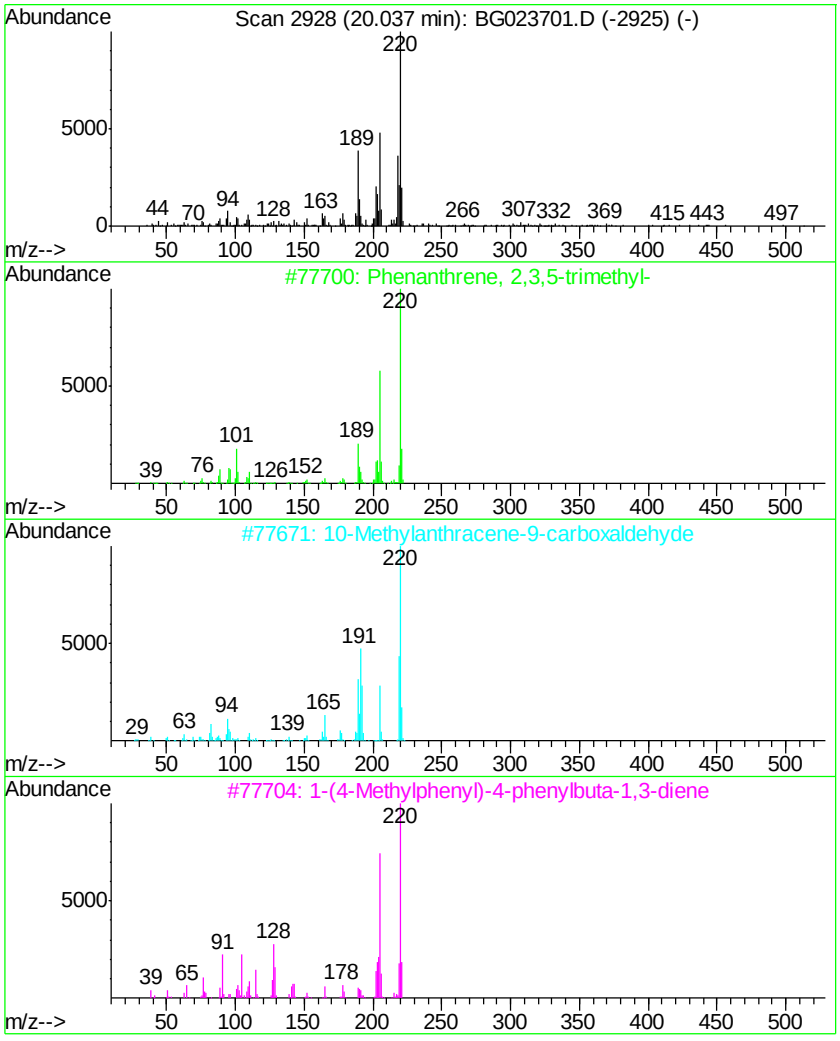
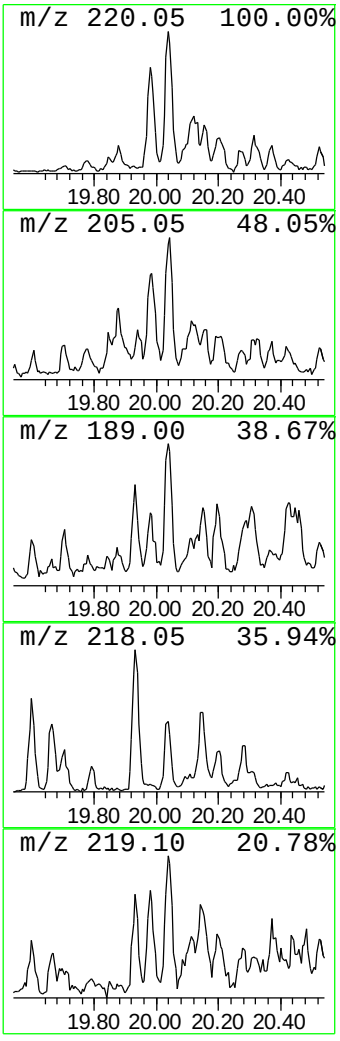
Peak Number 13 Phenanthrene, 2,3,5-trimethyl- Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.04	2.75 ng/ul	401516	Chrysene-d12	21.88

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2,3,5-trimethyl-	220	C17H16	003674-73-5	64
2	10-Methylanthracene-9-carboxalde...	220	C16H12O	007072-00-6	58
3	1-(4-Methylphenyl)-4-phenylbuta-...	220	C17H16	037985-11-8	53
4	10-Methylanthracene-9-carboxalde...	220	C16H12O	007072-00-6	46
5	Benzo[b]dihydropyran, 6-hydroxy-...	220	C14H20O2	050442-70-1	43





Data Path : Z:\HPCHEM1\BNA G\DATA\BG081316\
Data File : BG023701.D
Acq On : 13 Aug 2016 23:31
Operator : UM/SJ
Sample : H4385-10
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : P002-SS003-1218-01

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG080416.M
Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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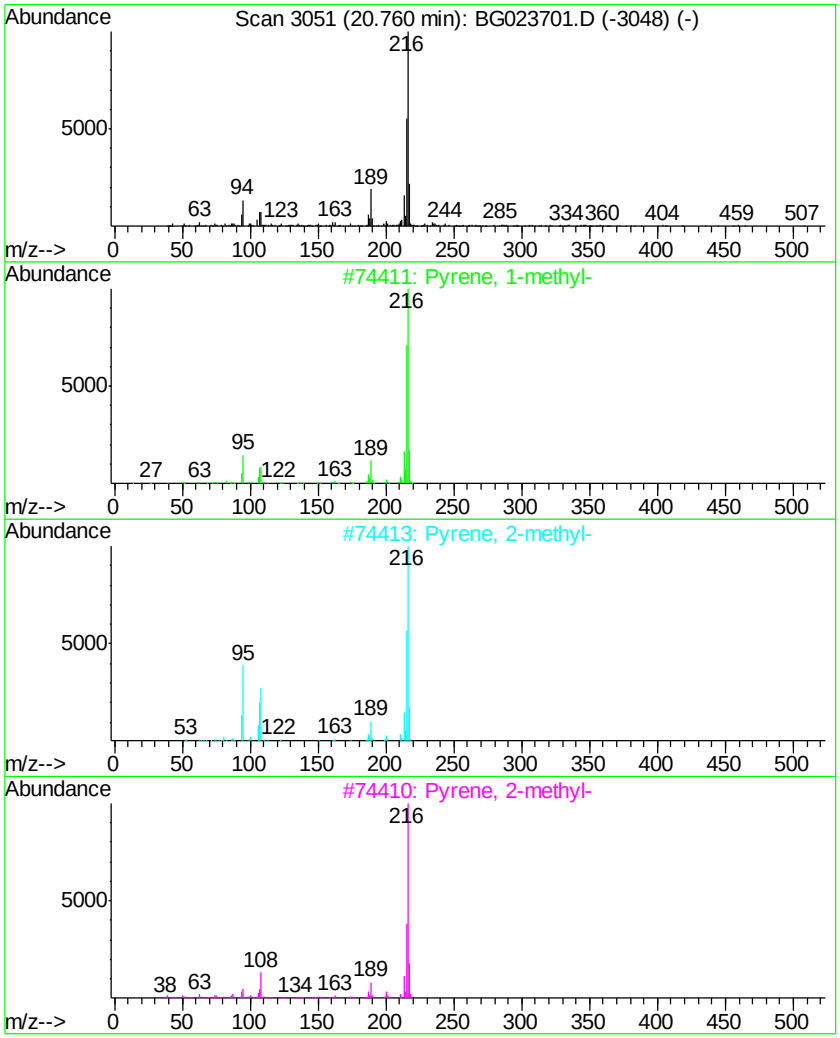
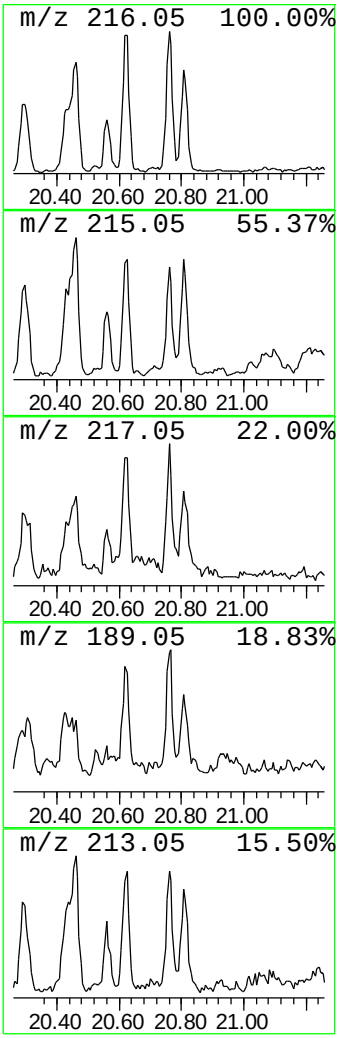
Peak Number 14 Pyrene, 1-methyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.76	2.87 ng/ul	419618	Chrysene-d12	21.88

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene, 1-methyl-	216	C17H12	002381-21-7	94
2	Pyrene, 2-methyl-	216	C17H12	003442-78-2	93
3	Pyrene, 2-methyl-	216	C17H12	003442-78-2	87
4	Pyrene, 1-methyl-	216	C17H12	002381-21-7	87
5	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	87





Tentatively Identified Compound (LSC) summary

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG081316\
Data File : BG023701.D
Acq On : 13 Aug 2016 23:31
Operator : UM/SJ
Sample : H4385-10
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : P002-SS003-1218-01

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG080416.M
Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

					Internal Standard			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc
3-Buten-2-one, 3-...	3.17	3.4	ng/ul	117472	1	8.11	689577	20.0
Furan, tetrahydro...	3.26	2.3	ng/ul	80657	1	8.11	689577	20.0
unknown-01	4.01	4.5	ng/ul	154742	1	8.11	689577	20.0
Dibenzothiophene,...	18.14	2.3	ng/ul	199161	4	17.65	1760450	20.0
Phenanthrene, 1-m...	18.42	13.8	ng/ul	1215430	4	17.65	1760450	20.0
Phenanthrene, 2-m...	18.48	8.3	ng/ul	733254	4	17.65	1760450	20.0
Anthracene, 1-met...	18.62	8.6	ng/ul	757267	4	17.65	1760450	20.0
1H-Indene, 2-phenyl-	18.66	4.6	ng/ul	403385	4	17.65	1760450	20.0
Naphthalene, 2-ph...	18.92	2.3	ng/ul	202643	4	17.65	1760450	20.0
di-p-Tolylacetylene	19.22	2.9	ng/ul	252158	4	17.65	1760450	20.0
Phenanthrene, 3,6...	19.34	9.2	ng/ul	812359	4	17.65	1760450	20.0
Cyclopenta(def)ph...	19.49	3.6	ng/ul	319991	4	17.65	1760450	20.0
Phenanthrene, 2,3...	20.04	2.8	ng/ul	401516	5	21.88	2924850	20.0
Pyrene, 1-methyl-	20.76	2.9	ng/ul	419618	5	21.88	2924850	20.0