LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG081216\
Data File : BG023665.D
Acq On : 12 Aug 2016 20:57
Operator : UM/SJ
Sample : H4385-19
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : P003-SS001-0612-01

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	3.174	53	57	61	rBV3	21551	28058	0.85%	0.075%
2	3.263	69	72	73	rBV3	14692	14469	0.44%	0.039%
3	3.480	107	109	116	rVB6	16803	21950	0.67%	0.059%
4	3.774	156	159	161	rBV4	8281	8422	0.26%	0.023%
5	3.844	167	171	175	rBV7	6627	10696	0.33%	0.029%
6	4.302	248	249	253	rVB4	7499	6628	0.20%	0.018%
7	4.461	272	276	284	rBV	69727	110057	3.35%	0.294%
8	4.884	343	348	354	rVB	40930	62220	1.89%	0.166%
9	4.990	364	366	368	rVB3	8386	5122	0.16%	0.014%
10	5.178	394	398	405	rVB2	30738	51914	1.58%	0.139%
11	5.260	410	412	416	rVV4	5723	6582	0.20%	0.018%
12	5.289	416	417	422	rVB4	5062	5333	0.16%	0.014%
13	5.454	442	445	448	rVB3	4355	5628	0.17%	0.015%
14	6.065	545	549	550	rBV4	3973	4535	0.14%	0.012%
15	6.223	574	576	580	rBV5	4437	5408	0.16%	0.014%
16	6.264	580	583	586	rVV4	4462	4947	0.15%	0.013%
17	6.300	586	589	592	rBV4	5121	6449	0.20%	0.017%
18	6.916	693	694	697	rBV3	4707	5754	0.18%	0.015%
19	6.969	699	703	706	rVB6	3638	6606	0.20%	0.018%
20	7.269	748	754	768	rBV	370126	695223	21.16%	1.860%
21	7.428	775	781	792	rBV	294739	494156	15.04%	1.322%
22	7.645	810	818	827	rBV2	368805	654570	19.92%	1.751%
23	7.751	833	836	839	rBV4	4879	7044	0.21%	0.019%
24	8.056	886	888	891	rBV4	3267	4687	0.14%	0.013%
25	8.115	891	898	905	rVV	469202	815888	24.83%	2.183%
26	8.332	931	935	939	rBV6	4264	5512	0.17%	0.015%
27	8.456	953	956	957	rVV3	5624	5203	0.16%	0.014%
28	8.831	1012	1020	1031	rBV	438103	824246	25.09%	2.205%
29	9.290	1092	1098	1107	rBV	379242	684345	20.83%	1.831%
30	9.407	1114	1118	1123	rBV8	10826	20807	0.63%	0.056%
31	9.542	1138	1141	1144	rBV4	4223	5109	0.16%	0.014%
32	9.630	1152	1156	1159	rVB5	3621	5840	0.18%	0.016%
33	9.713	1167	1170	1171	rBV2	4016	4630	0.14%	0.012%
34	9.748	1174	1176	1180	rBV5	4927	5240	0.16%	0.014%

LSC Area Percent Report

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Data File : BG023665.D
Acq On : 12 Aug 2016 20:57
Operator : UM/SJ
Sample : H4385-19
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : P003-SS001-0612-01

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	9.871	1194	1197	1200	rBV5	4224	5196	0.16%	0.014%
36	10.024	1216	1223	1231	rBV	327667	607565	18.49%	1.625%
37	10.576	1310	1317	1326	rBV	482872	919370	27.98%	2.460%
38	10.952	1373	1381	1389	rBV	713058	1318970	40.14%	3.529%
39	11.087	1398	1404	1414	rBV	428854	811129	24.69%	2.170%
40	11.422	1457	1461	1464	rBV3	4335	5784	0.18%	0.015%
41	11.481	1466	1471	1473	rBV4	4746	8079	0.25%	0.022%
42	11.710	1505	1510	1513	rVB5	4388	4974	0.15%	0.013%
43	11.769	1519	1520	1526	rVB5	5813	5880	0.18%	0.016%
44	12.180	1588	1590	1593	rVB3	6071	6292	0.19%	0.017%
45	12.215	1593	1596	1599	rBV5	4206	7064	0.22%	0.019%
46	12.321	1613	1614	1616	rBV	6839	6243	0.19%	0.017%
47	12.427	1629	1632	1636	rBV6	8185	7747	0.24%	0.021%
48	12.468	1636	1639	1646	rVB7	7611	12629	0.38%	0.034%
49	12.532	1646	1650	1654	rBV6	11805	18878	0.57%	0.051%
50	12.609	1659	1663	1669	rVB8	10665	19971	0.61%	0.053%
51	12.750	1683	1687	1694	rVB10	4273	7133	0.22%	0.019%
52	12.832	1694	1701	1705	rBV7	16351	32038	0.98%	0.086%
53	12.891	1708	1711	1713	rVB3	5941	5489	0.17%	0.015%
54	12.926	1713	1717	1720	rBV4	4549	7612	0.23%	0.020%
55	13.061	1737	1740	1741	rBV2	6107	6270	0.19%	0.017%
56	13.126	1748	1751	1755	rVB5	5234	7559	0.23%	0.020%
57	13.220	1764	1767	1770	rBV5	6493	8302	0.25%	0.022%
58	13.267	1773	1775	1778	rVB4	5382	6181	0.19%	0.017%
59	13.296	1778	1780	1784	rBV4	6561	6449	0.20%	0.017%
60	13.372	1790	1793	1797	rBV5	7686	9351	0.28%	0.025%
61	13.654	1835	1841	1847	rVB3	31435	61774	1.88%	0.165%
62	13.948	1886	1891	1892	rBV5	14735	19250	0.59%	0.051%
63	14.107	1911	1918	1924	rBV3	36812	68000	2.07%	0.182%
64	14.183	1924	1931	1935	rVV	1039447	1552969	47.27%	4.155%
65	14.230	1935	1939	1944	rVB	687551	987040	30.04%	2.641%
66	14.342	1955	1958	1967	rVB7	20234	40862	1.24%	0.109%
67	14.483	1975	1982	1996	rBV	1120240	1872465	56.99%	5.009%
68	14.659	2008	2012	2015	rBV3	19545	25605	0.78%	0.069%
69	14.741	2024	2026	2027	rBV2	6797	5133	0.16%	0.014%
70	14.788	2028	2034	2042	rVV2	1250855	2096991	63.82%	5.610%
71	14.853	2042	2045	2051	rVB6	18005	31327	0.95%	0.084%

LSC Area Percent Report

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Data File : BG023665.D
Acq On : 12 Aug 2016 20:57
Operator : UM/SJ
Sample : H4385-19
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : P003-SS001-0612-01

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	15.011	2064	2072	2080	rBV2	381257	821524	25.00%	2.198%
73	15.182	2095	2101	2109	rVB8	36954	78832	2.40%	0.211%
74	15.258	2110	2114	2121	rVB5	43944	73203	2.23%	0.196%
75	15.399	2133	2138	2142	rBV6	34788	69289	2.11%	0.185%
76	15.458	2145	2148	2152	rVB3	25429	31232	0.95%	0.084%
77	15.564	2160	2166	2170	rBV6	32472	73321	2.23%	0.196%
78	15.605	2171	2173	2179	rVB3	65800	86628	2.64%	0.232%
79	15.787	2197	2204	2210	rBV	1486168	2354767	71.67%	6.300%
80	15.916	2220	2226	2234	rBV2	474333	762451	23.21%	2.040%
81	15.998	2237	2240	2241	rBV2	16764	17706	0.54%	0.047%
82	16.474	2317	2321	2325	rBV	88893	143025	4.35%	0.383%
83	16.650	2346	2351	2355	rBV7	26257	46530	1.42%	0.124%
84	17.273	2454	2457	2462	rVB3	72312	96019	2.92%	0.257%
85	17.555	2499	2505	2509	rBV	1732027	2624969	79.89%	7.022%
86	17.596	2509	2512	2517	rVV	547393	787523	23.97%	2.107%
87	17.655	2517	2522	2533	rVB	1661145	2595080	78.98%	6.943%
88	18.019	2581	2584	2590	rVB5	42303	55562	1.69%	0.149%
89	18.137	2601	2604	2609	rVB3	107985	173834	5.29%	0.465%
90	18.430	2649	2654	2659	rBV2	444488	817828	24.89%	2.188%
91	18.483	2659	2663	2670	rVB2	382852	594238	18.09%	1.590%
92	18.618	2682	2686	2691	rBV4	308857	574878	17.50%	1.538%
93	18.665	2691	2694	2698	rVB	240730	311175	9.47%	0.832%
94	18.924	2735	2738	2742	rBV2	136693	199515	6.07%	0.534%
95	19.223	2786	2789	2792	rVB	175131	195575	5.95%	0.523%
96	19.347	2805	2810	2814	rBV	456376	721980	21.97%	1.931%
97	19.611	2850	2855	2860	rVB	887199	1265599	38.52%	3.386%
98	19.946	2907	2912	2915	rBV2	1873568	2934813	89.32%	7.851%
99	20.040	2925	2928	2934	rVB2	236912	360010	10.96%	0.963%
100	21.879	3234	3241	3246	rBV2	1638951	3285550	100.00%	8.790%

Sum of corrected areas: 37379505

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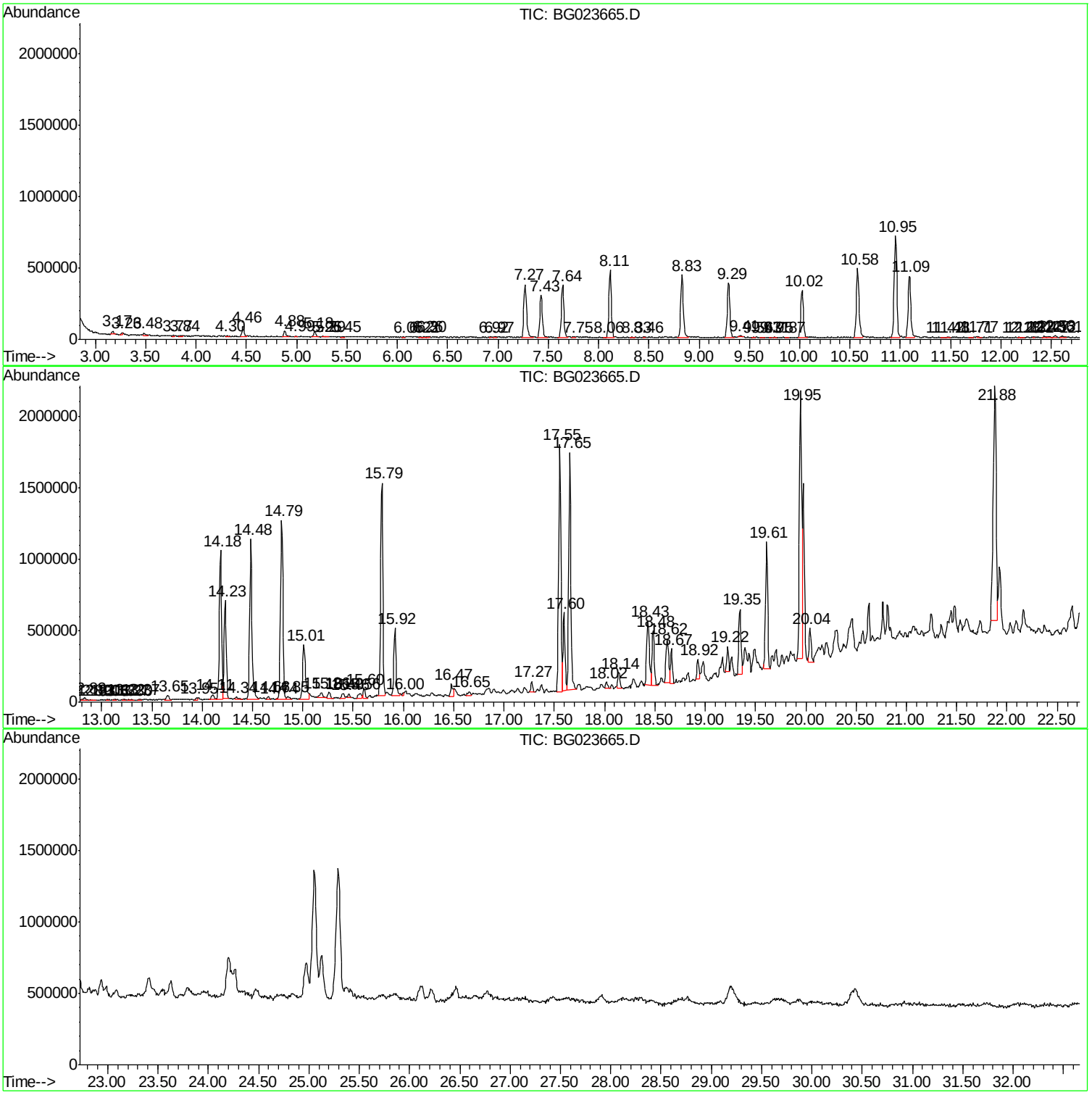
Acq On : 12 Aug 2016 20:57
Operator : UM/SJ
Sample : H4385-19
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
P003-SS001-0612-01

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\BG081216\
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Acq On : 12 Aug 2016 20:57
Operator : UM/SJ
Sample : H4385-19
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Instrument : BNA_G
ClientSampleId : P003-SS001-0612-01

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

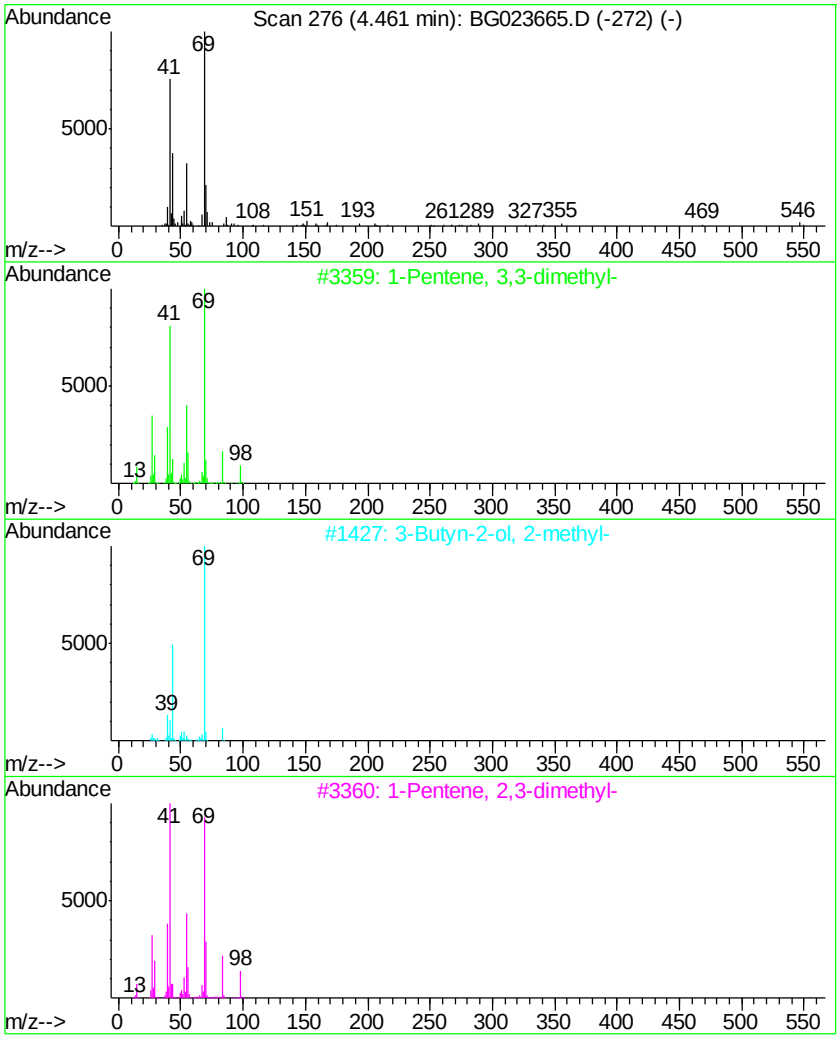
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

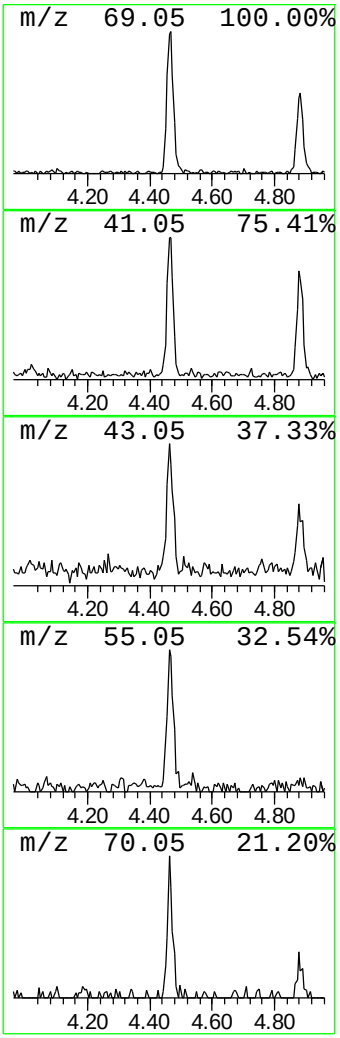
****

Peak Number 1 1-Pentene, 3,3-dimethyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.46	2.70 ng/ul	110057	1,4-Dichlorobenzene-d4	8.11

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Pentene, 3,3-dimethyl-	98	C7H14	003404-73-7	53
2	3-Butyn-2-ol, 2-methyl-	84	C5H8O	000115-19-5	53
3	1-Pentene, 2,3-dimethyl-	98	C7H14	003404-72-6	50
4	1,5-Heptadiene, 3,3,6-trimethyl-	138	C10H18	035387-63-4	50
5	1-Pentyn-3-ol, 3-methyl-	98	C6H10O	000077-75-8	40





Data Path : Z:\HPCHEM1\BNA_G\DATA\BG081216\
Data File : BG023665.D
Acq On : 12 Aug 2016 20:57
Operator : UM/SJ
Sample : H4385-19
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : P003-SS001-0612-01

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

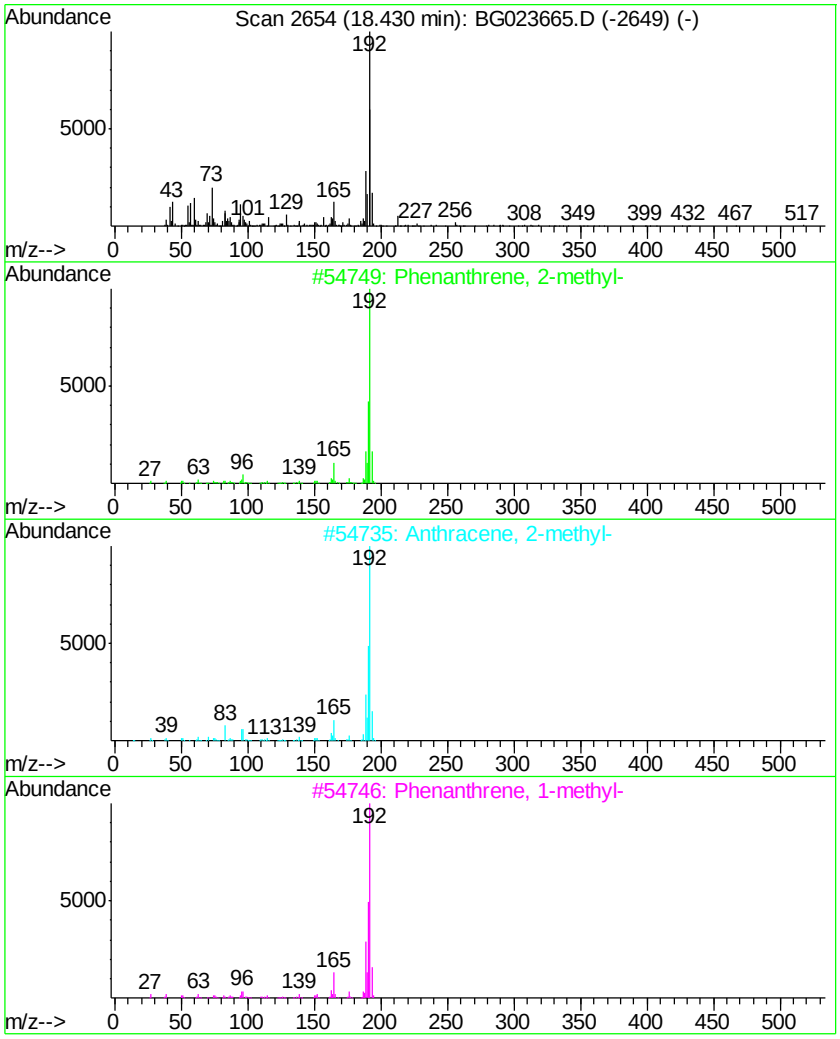
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

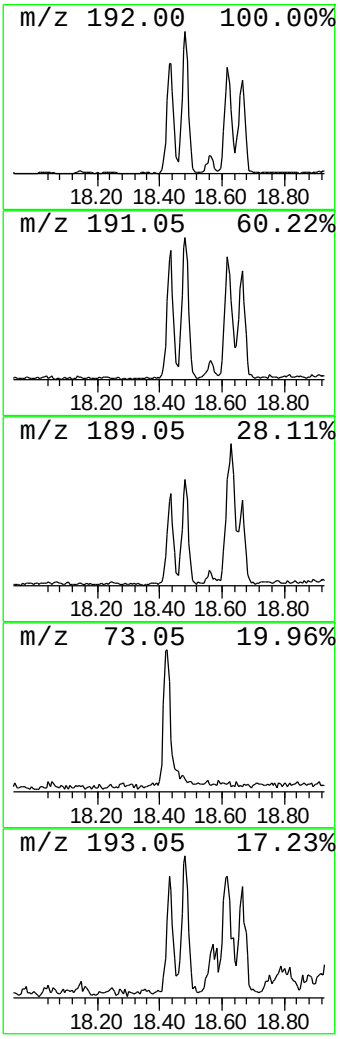
****

Peak Number 2 Phenanthrene, 2-methyl- Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.43	6.23 ng/ul	817828	Phenanthrene-d10	17.56

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	96
2	Anthracene, 2-methyl-	192	C15H12	000613-12-7	96
3	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	95
4	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	91
5	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	91





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG081216\
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Acq On : 12 Aug 2016 20:57
Operator : UM/SJ
Sample : H4385-19
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
P003-SS001-0612-01

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

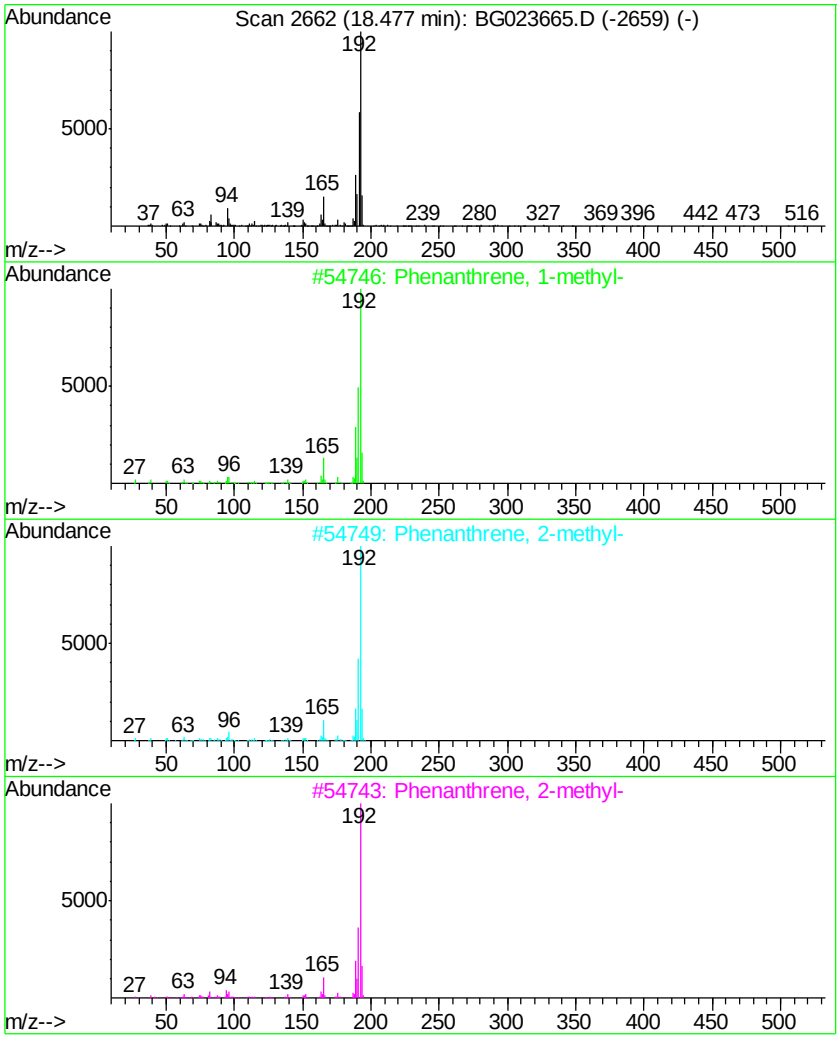
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

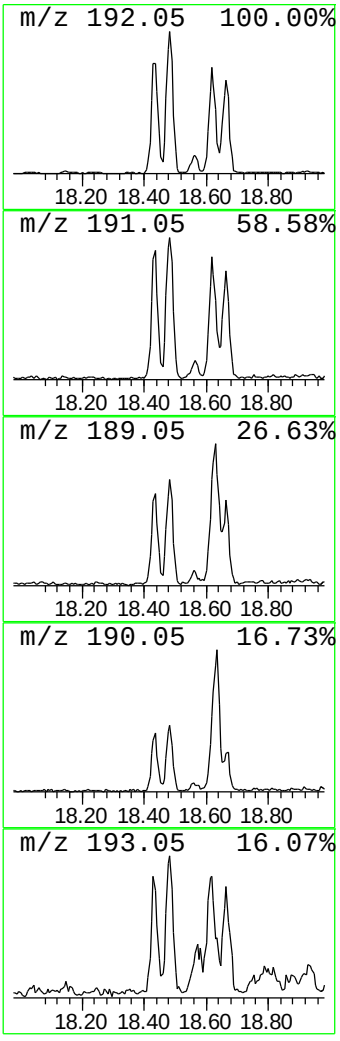
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.48	4.53 ng/ul	594238	Phenanthrene-d10	17.56

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	95
3	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	93
4	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	93
5	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	92





Data Path : Z:\HPCHEM1\BNA_G\DATA\BG081216\
Data File : BG023665.D
Acq On : 12 Aug 2016 20:57
Operator : UM/SJ
Sample : H4385-19
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : P003-SS001-0612-01

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

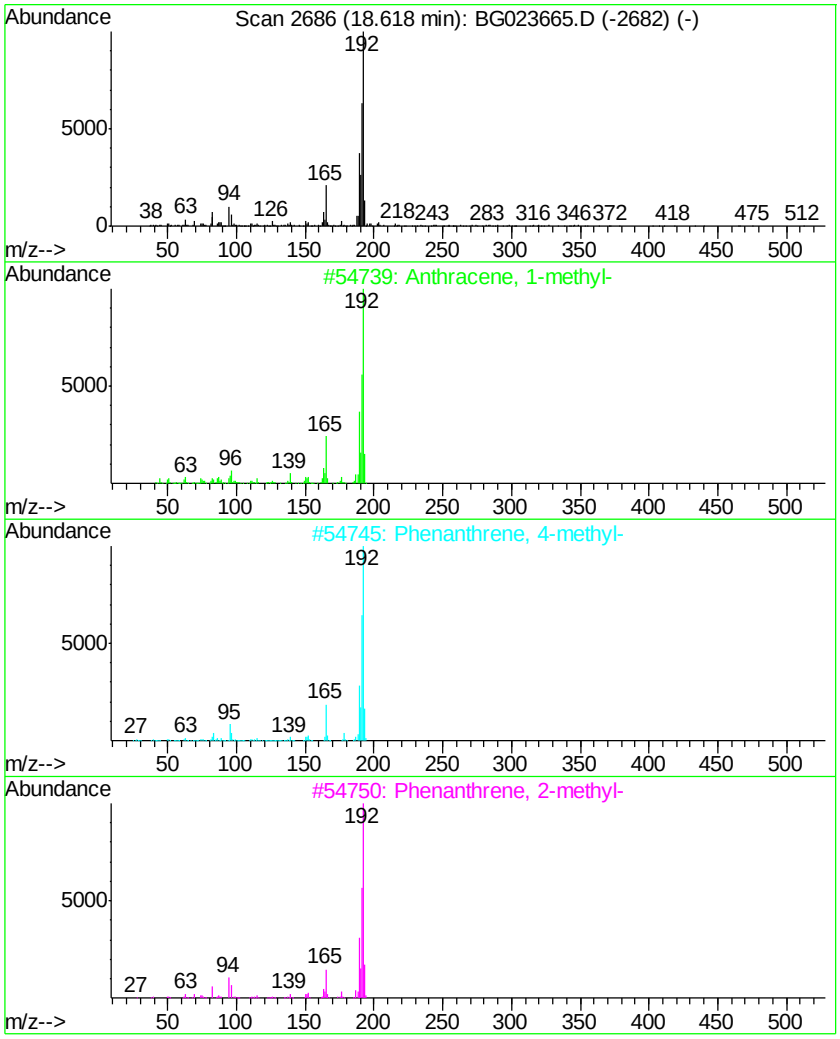
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

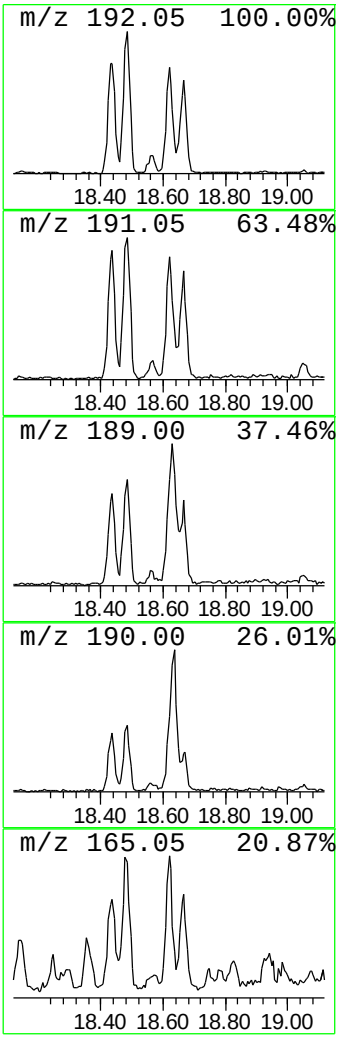
****

Peak Number 4 Anthracene, 1-methyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.62	4.38 ng/ul	574878	Phenanthrene-d10	17.56

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene, 1-methyl-	192	C15H12	000610-48-0	70
2	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	70
3	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	70
4	Anthracene, 1-methyl-	192	C15H12	000610-48-0	70
5	1a,9b-Dihydro-1H-cyclopropa[a]an...	192	C15H12	006109-24-6	70





Data Path : Z:\HPCHEM1\BNA_G\DATA\BG081216\
Data File : BG023665.D
Acq On : 12 Aug 2016 20:57
Operator : UM/SJ
Sample : H4385-19
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : P003-SS001-0612-01

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

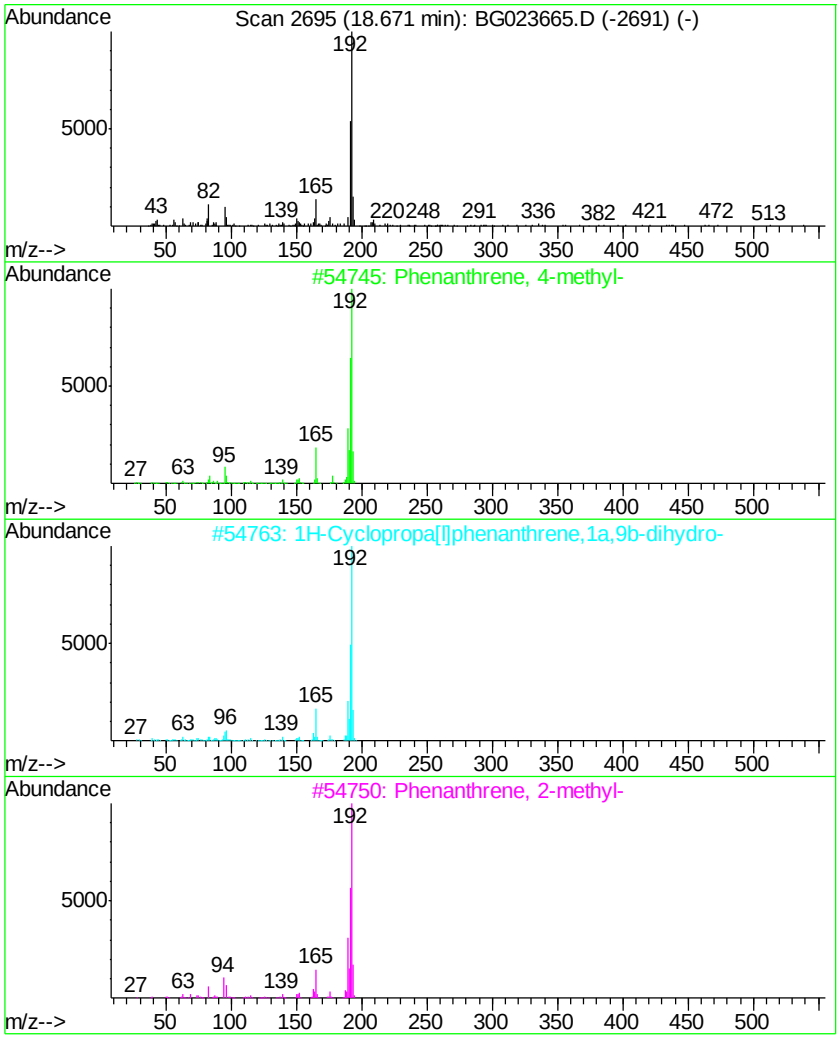
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

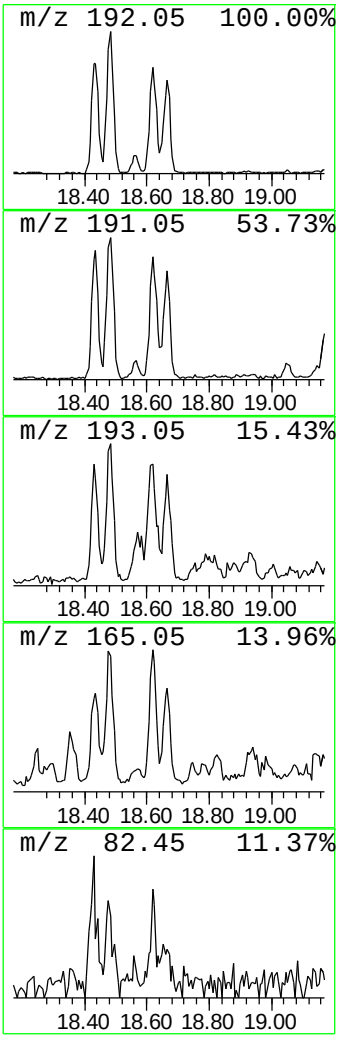
****

Peak Number 5 Phenanthrene, 4-methyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.67	2.37 ng/ul	311175	Phenanthrene-d10	17.56

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	87
2	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	87
3	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	87
4	1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	87
5	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	87





Data Path : Z:\HPCHEM1\BNA_G\DATA\BG081216\
Data File : BG023665.D
Acq On : 12 Aug 2016 20:57
Operator : UM/SJ
Sample : H4385-19
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : P003-SS001-0612-01

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

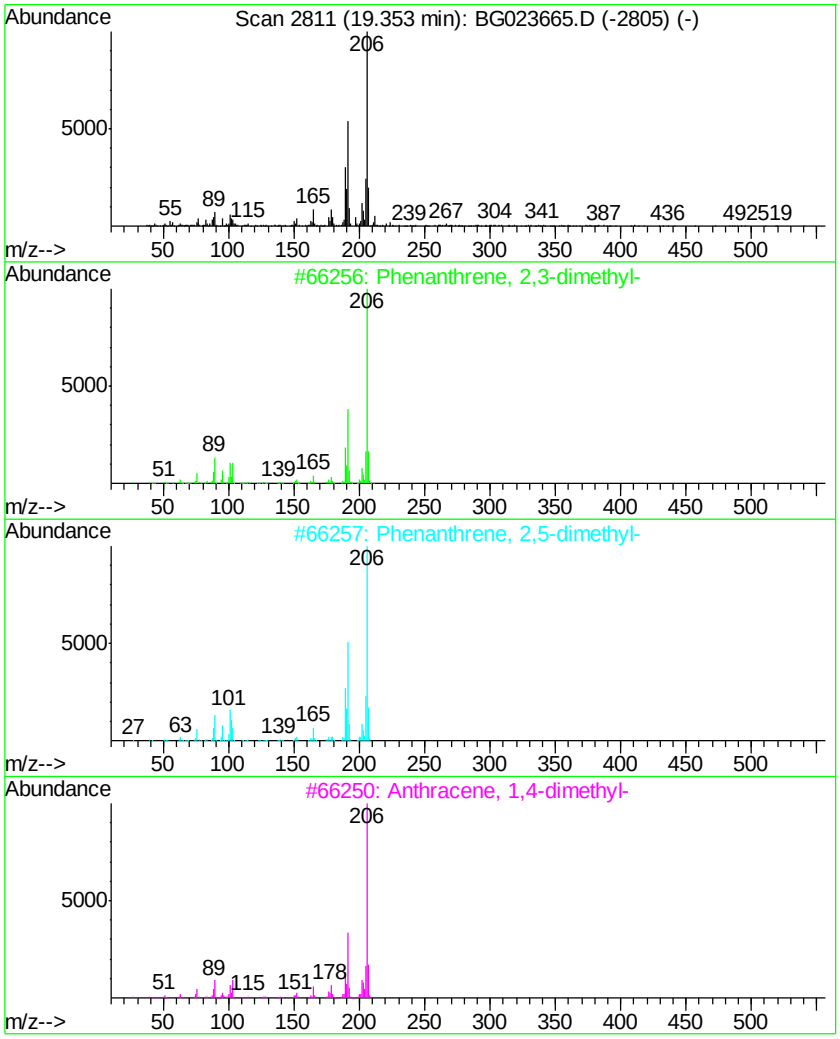
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

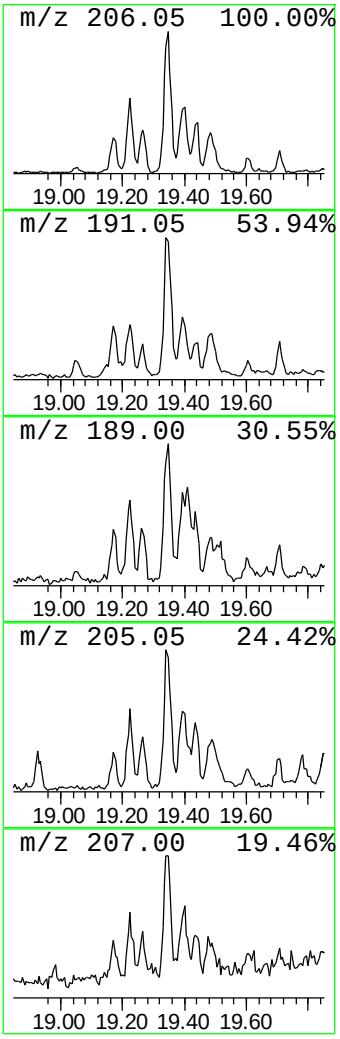
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.35	5.50 ng/ul	721980	Phenanthrene-d10	17.56

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	93
2	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	91
3	Anthracene, 1,4-dimethyl-	206	C16H14	000781-92-0	91
4	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	90
5	9,10-Dimethylanthracene	206	C16H14	000781-43-1	90





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Data File : BG023665.D
Acq On : 12 Aug 2016 20:57
Operator : UM/SJ
Sample : H4385-19
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : P003-SS001-0612-01

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

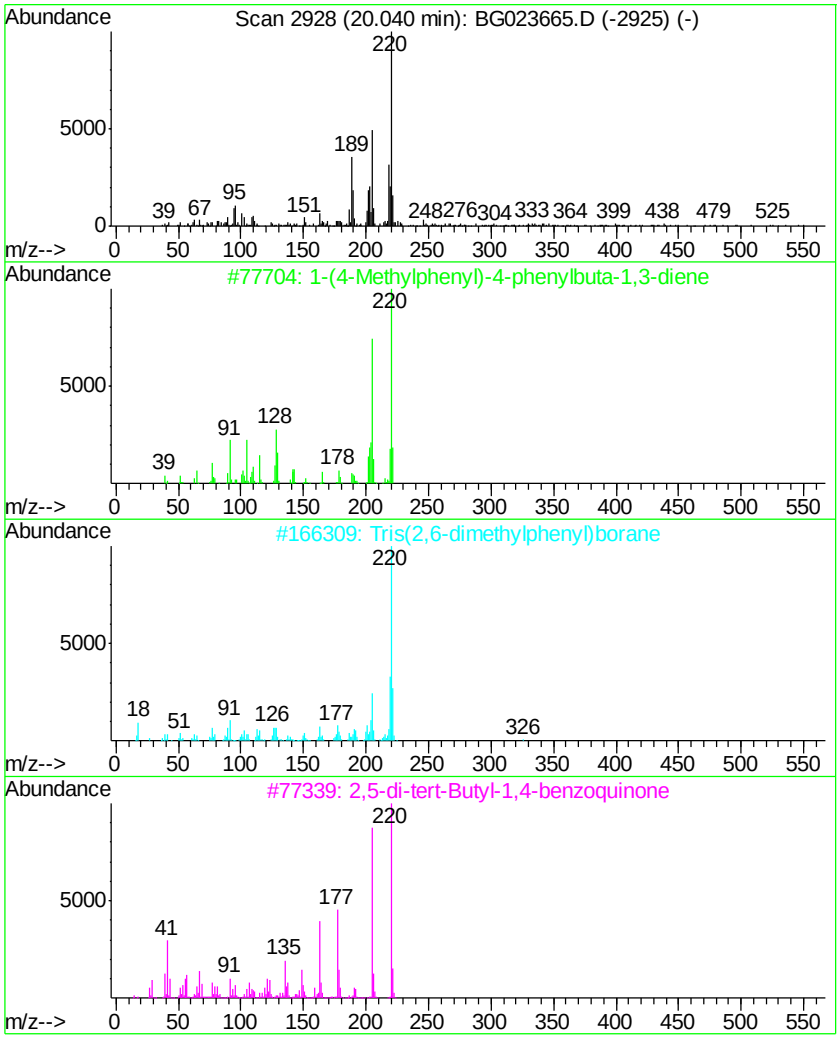
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

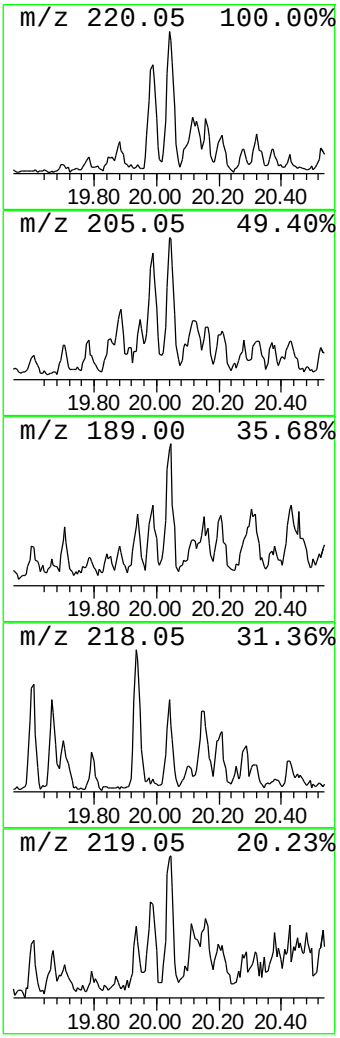
****

Peak Number 7 1-(4-Methylphenyl)-4-phenyl... Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.04	2.19 ng/ul	360010	Chrysene-d12	21.88

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-(4-Methylphenyl)-4-phenylbuta-...	220	C17H16	037985-11-8	68
2	Tris(2,6-dimethylphenyl)borane	326	C24H27B	075700-28-6	51
3	2,5-di-tert-Butyl-1,4-benzoquinone	220	C14H20O2	002460-77-7	47
4	Pyrrolo[1,2-a]thieno[2,3-d]pyrim...	220	C11H12N2OS	056929-61-4	47
5	Phenmethylcynide, .alpha.,.alpha...	220	C11H12N2O3	1000128-94-6	47





Tentatively Identified Compound (LSC) summary

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG081216\
Data File : BG023665.D
Acq On : 12 Aug 2016 20:57
Operator : UM/SJ
Sample : H4385-19
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : P003-SS001-0612-01

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
1-Pentene, 3,3-di...	4.46	2.7	ng/ul	110057	1	8.11	815888	20.0
Phenanthrene, 2-m...	18.43	6.2	ng/ul	817828	4	17.56	2624970	20.0
Phenanthrene, 1-m...	18.48	4.5	ng/ul	594238	4	17.56	2624970	20.0
Anthracene, 1-met...	18.62	4.4	ng/ul	574878	4	17.56	2624970	20.0
Phenanthrene, 4-m...	18.67	2.4	ng/ul	311175	4	17.56	2624970	20.0
Phenanthrene, 2,3...	19.35	5.5	ng/ul	721980	4	17.56	2624970	20.0
1-(4-Methylphenyl...	20.04	2.2	ng/ul	360010	5	21.88	3285550	20.0