LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG081216\
Data File : BG023666.D
Acq On : 12 Aug 2016 21:35
Operator : UM/SJ
Sample : H4385-20
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : P003-SS001-1218-01

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	3.169	53	56	61	rBV2	33517	45055	1.46%	0.120%
2	3.263	68	72	75	rBV3	20442	25693	0.83%	0.069%
3	3.480	105	109	115	rVB4	17330	31999	1.04%	0.085%
4	3.827	166	168	171	rBV4	6053	7381	0.24%	0.020%
5	3.909	179	182	189	rVB7	8084	15153	0.49%	0.040%
6	4.015	195	200	206	rBV3	39839	62030	2.02%	0.166%
7	4.737	321	323	328	rVB4	4763	6051	0.20%	0.016%
8	4.802	331	334	335	rBV3	4442	4254	0.14%	0.011%
9	4.861	341	344	346	rVB4	5496	5704	0.19%	0.015%
10	4.890	346	349	350	rBV3	6101	5032	0.16%	0.013%
11	5.066	377	379	383	rVB5	5071	6952	0.23%	0.019%
12	5.178	394	398	403	rVB2	25178	35626	1.16%	0.095%
13	5.266	409	413	415	rBV5	8079	14391	0.47%	0.038%
14	5.595	463	469	470	rVB6	5324	7832	0.25%	0.021%
15	6.229	576	577	581	rBV4	6178	5950	0.19%	0.016%
16	6.294	585	588	592	rVB6	6196	8925	0.29%	0.024%
17	6.864	683	685	688	rBV4	3456	4971	0.16%	0.013%
18	7.058	714	718	719	rBV4	4266	6248	0.20%	0.017%
19	7.269	745	754	766	rBV	393658	714577	23.22%	1.908%
20	7.428	774	781	791	rVB	313436	517712	16.82%	1.382%
21	7.645	810	818	828	rBV	372078	667435	21.69%	1.782%
22	7.751	834	836	838	rBV3	6184	5738	0.19%	0.015%
23	7.792	841	843	846	rVB4	4722	5044	0.16%	0.013%
24	8.115	890	898	905	rBV	508100	866633	28.16%	2.314%
25	8.333	932	935	938	rVB4	3895	5058	0.16%	0.014%
26	8.832	1013	1020	1033	rBV	348089	630748	20.49%	1.684%
27	9.290	1090	1098	1109	rBV	406377	735869	23.91%	1.965%
28	9.402	1109	1117	1121	rBV7	16318	31513	1.02%	0.084%
29	10.024	1215	1223	1231	rBV	350555	668817	21.73%	1.786%
30	10.242	1259	1260	1263	rBV3	5284	4560	0.15%	0.012%
31	10.359	1278	1280	1282	rBV3	4786	4253	0.14%	0.011%
32	10.577	1308	1317	1330	rBV	488141	967230	31.43%	2.583%
33	10.676	1333	1334	1338	rBV3	6084	5452	0.18%	0.015%
34	10.953	1374	1381	1389	rBV	779510	1421357	46.18%	3.795%

LSC Area Percent Report

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Data File : BG023666.D
Acq On : 12 Aug 2016 21:35
Operator : UM/SJ
Sample : H4385-20
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : P003-SS001-1218-01

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	11.088	1398	1404	1416	rBV	397839	767776	24.95%	2.050%
36	11.211	1422	1425	1427	rVB4	5353	5129	0.17%	0.014%
37	11.569	1483	1486	1490	rBV5	3863	6625	0.22%	0.018%
38	11.751	1516	1517	1519	rBV2	4727	4139	0.13%	0.011%
39	12.216	1593	1596	1597	rBV3	4829	4995	0.16%	0.013%
40	12.351	1615	1619	1621	rBV5	6595	8078	0.26%	0.022%
41	12.521	1644	1648	1649	rBV3	6112	6259	0.20%	0.017%
42	12.539	1649	1651	1655	rVB4	11815	16375	0.53%	0.044%
43	12.609	1658	1663	1664	rBV4	14380	14815	0.48%	0.040%
44	12.750	1684	1687	1688	rBV3	7068	7127	0.23%	0.019%
45	12.832	1694	1701	1705	rBV3	18294	33748	1.10%	0.090%
46	12.873	1705	1708	1710	rBV3	4839	5118	0.17%	0.014%
47	13.132	1747	1752	1756	rVB7	7622	13879	0.45%	0.037%
48	13.267	1773	1775	1778	rBV4	3850	4688	0.15%	0.013%
49	13.373	1791	1793	1796	rBV4	8090	8701	0.28%	0.023%
50	13.479	1809	1811	1813	rBV3	4421	4778	0.16%	0.013%
51	13.573	1826	1827	1831	rVB3	7494	6552	0.21%	0.017%
52	13.655	1836	1841	1849	rVB4	30388	52916	1.72%	0.141%
53	13.713	1849	1851	1853	rBV3	4246	4298	0.14%	0.011%
54	14.031	1901	1905	1906	rBV4	6362	8550	0.28%	0.023%
55	14.107	1910	1918	1923	rBV4	41247	87953	2.86%	0.235%
56	14.183	1923	1931	1935	rVV	1051275	1636947	53.19%	4.371%
57	14.230	1935	1939	1945	rVB	677670	975696	31.70%	2.605%
58	14.342	1952	1958	1961	rBV2	20870	33911	1.10%	0.091%
59	14.371	1961	1963	1964	rVB2	6737	4915	0.16%	0.013%
60	14.483	1974	1982	1994	rBV	1135226	1962983	63.78%	5.242%
61	14.565	1994	1996	1997	rVB2	6628	4348	0.14%	0.012%
62	14.589	1997	2000	2001	rBV3	6468	7819	0.25%	0.021%
63	14.653	2008	2011	2015	rVB2	21078	24106	0.78%	0.064%
64	14.683	2015	2016	2020	rBV3	4537	5373	0.17%	0.014%
65	14.789	2027	2034	2041	rBV2	1339296	2178607	70.79%	5.817%
66	14.853	2043	2045	2051	rVB3	28995	38951	1.27%	0.104%
67	14.912	2053	2055	2062	rVB7	8877	14216	0.46%	0.038%
68	15.012	2064	2072	2083	rBV	354329	805260	26.16%	2.150%
69	15.258	2109	2114	2121	rVB3	40874	74201	2.41%	0.198%
70	15.399	2133	2138	2143	rBV5	39152	75592	2.46%	0.202%
71	15.458	2145	2148	2151	rVB	27951	33080	1.07%	0.088%

LSC Area Percent Report

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Data File : BG023666.D
Acq On : 12 Aug 2016 21:35
Operator : UM/SJ
Sample : H4385-20
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : P003-SS001-1218-01

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	15.564	2160	2166	2170	rBV6	33191	87007	2.83%	0.232%
73	15.605	2170	2173	2178	rVB	71802	98230	3.19%	0.262%
74	15.670	2180	2184	2187	rVV5	19459	28190	0.92%	0.075%
75	15.781	2197	2203	2209	rBV	1544297	2374457	77.15%	6.340%
76	15.834	2210	2212	2216	rVV4	37162	45540	1.48%	0.122%
77	15.916	2220	2226	2237	rBV	457414	763387	24.80%	2.038%
78	16.351	2298	2300	2301	rBV2	12957	8406	0.27%	0.022%
79	16.474	2317	2321	2324	rBV2	88081	116348	3.78%	0.311%
80	16.645	2348	2350	2355	rVB6	20640	33039	1.07%	0.088%
81	17.074	2416	2423	2428	rBV7	68997	151853	4.93%	0.405%
82	17.203	2442	2445	2450	rVB6	35268	60343	1.96%	0.161%
83	17.273	2453	2457	2462	rBV2	77796	101766	3.31%	0.272%
84	17.367	2471	2473	2479	rVB	54194	72133	2.34%	0.193%
85	17.555	2498	2505	2509	rBV2	1705625	2689095	87.37%	7.180%
86	17.596	2509	2512	2516	rVV	602478	833090	27.07%	2.225%
87	17.655	2516	2522	2532	rVB	1485984	2435152	79.12%	6.502%
88	18.143	2600	2605	2612	rVB3	109133	197316	6.41%	0.527%
89	18.425	2649	2653	2658	rBV2	422060	729310	23.70%	1.947%
90	18.478	2658	2662	2669	rVB2	358611	583683	18.96%	1.559%
91	18.619	2681	2686	2691	rBV4	309195	605534	19.67%	1.617%
92	18.660	2691	2693	2699	rVB	220431	316610	10.29%	0.845%
93	18.924	2734	2738	2743	rBV2	156180	274478	8.92%	0.733%
94	19.224	2786	2789	2792	rVB	161108	158888	5.16%	0.424%
95	19.341	2805	2809	2814	rBV	399975	619328	20.12%	1.654%
96	19.611	2850	2855	2860	rVB	898047	1280674	41.61%	3.420%
97	19.946	2907	2912	2915	rBV	1819394	2900604	94.24%	7.745%
98	20.763	3048	3051	3055	rBV2	227014	308201	10.01%	0.823%
99	21.879	3234	3241	3246	rBV2	1590524	3077780	100.00%	8.218%

Sum of corrected areas: 37450189

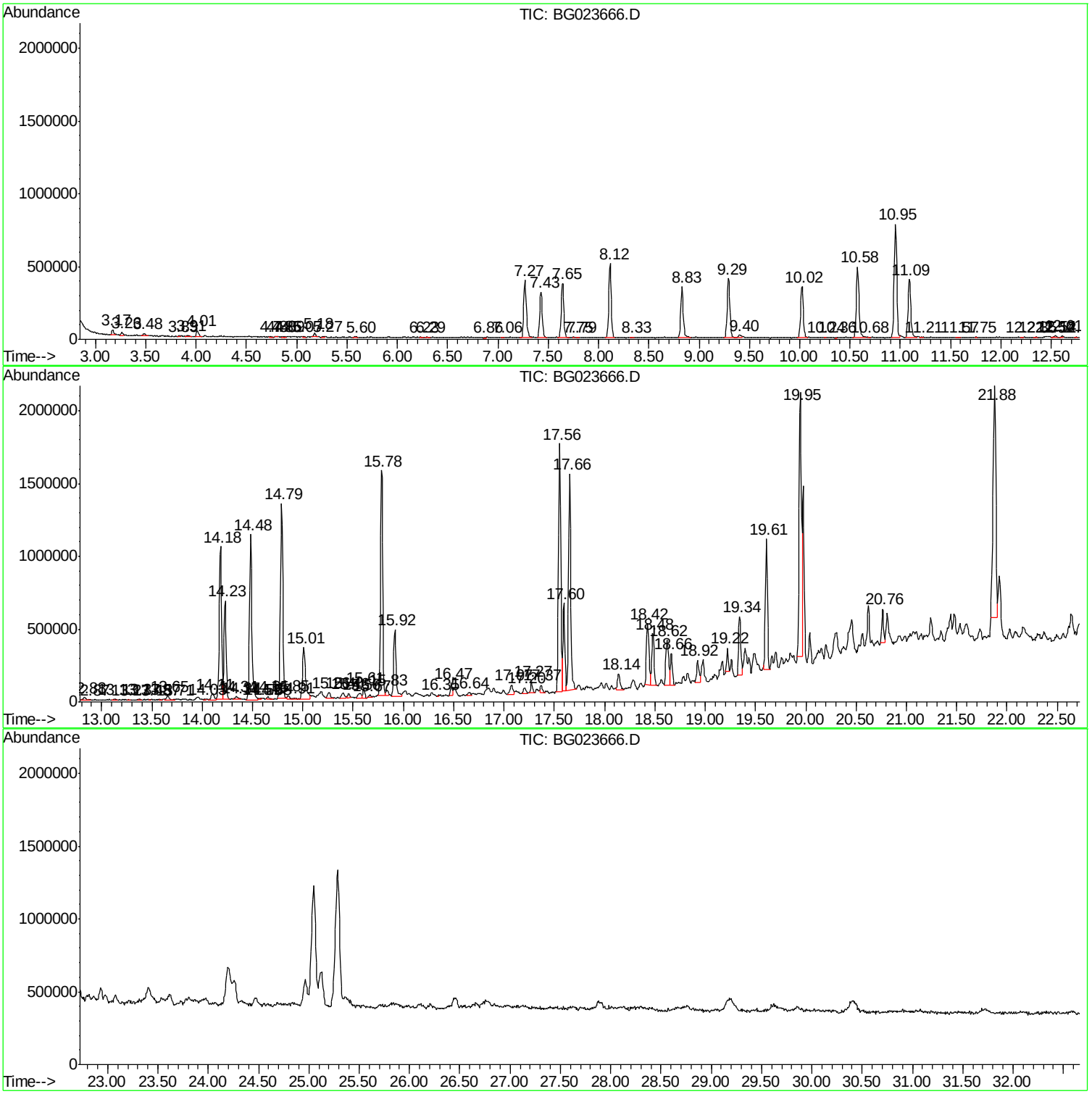
LSC Report - Integrated Chromatogram

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG081216\
Data File : BG023666.D
Acq On : 12 Aug 2016 21:35
Operator : UM/SJ
Sample : H4385-20
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
P003-SS001-1218-01

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



Data Path : Z:\HPCHEM1\BNA_G\DATA\BG081216\
Data File : BG023666.D
Acq On : 12 Aug 2016 21:35
Operator : UM/SJ
Sample : H4385-20
Misc :
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Instrument : BNA_G
ClientSampleId : P003-SS001-1218-01

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

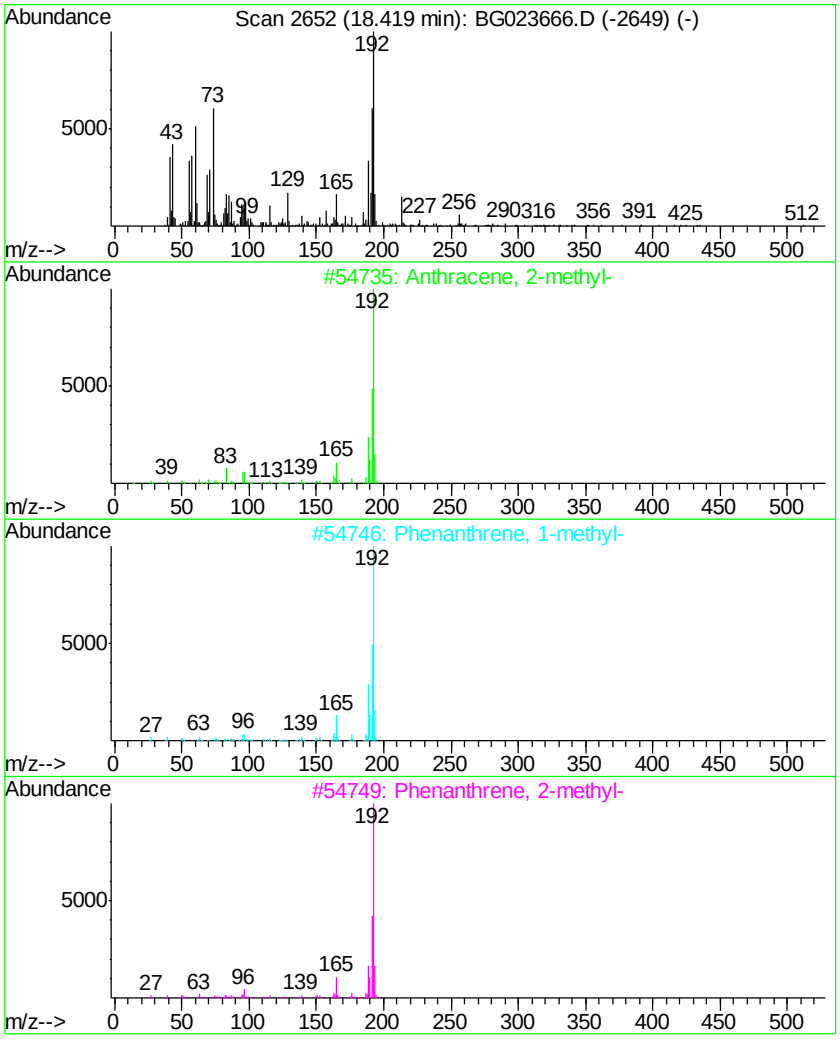
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

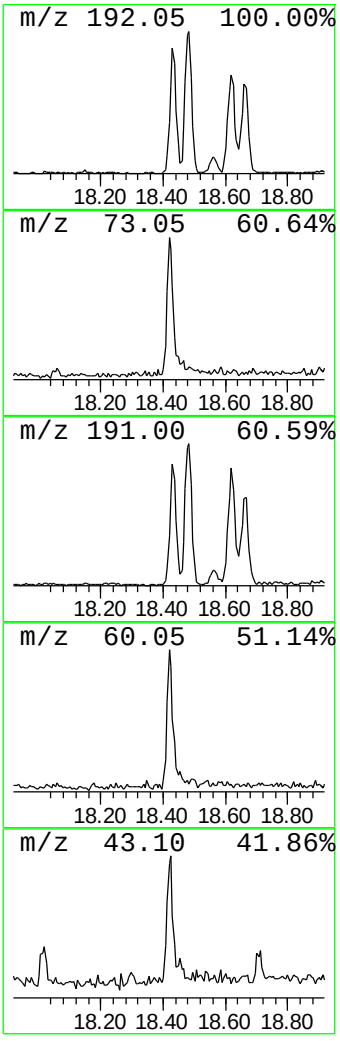
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.42	5.42 ng/ul	729310	Phenanthrene-d10	17.56

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene, 2-methyl-	192	C15H12	000613-12-7	92
2	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	92
3	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	92
4	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	86
5	Anthracene, 2-methyl-	192	C15H12	000613-12-7	86





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG081216\
Data File : BG023666.D
Acq On : 12 Aug 2016 21:35
Operator : UM/SJ
Sample : H4385-20
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
P003-SS001-1218-01

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

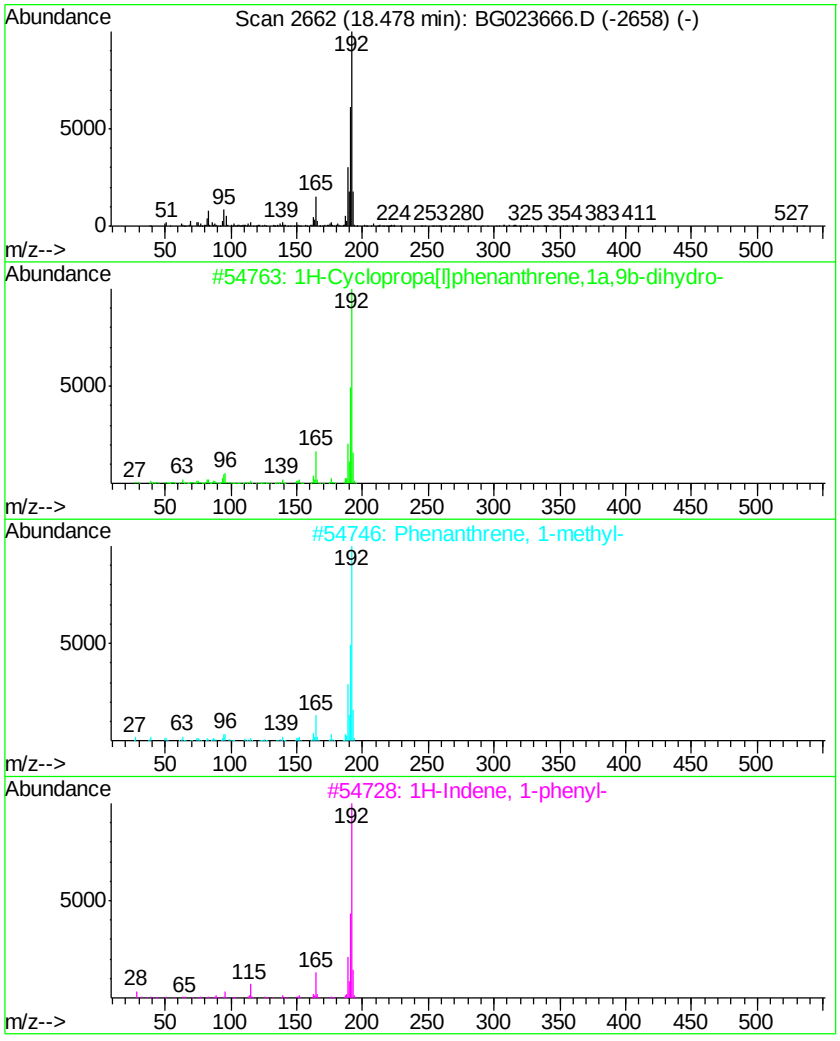
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

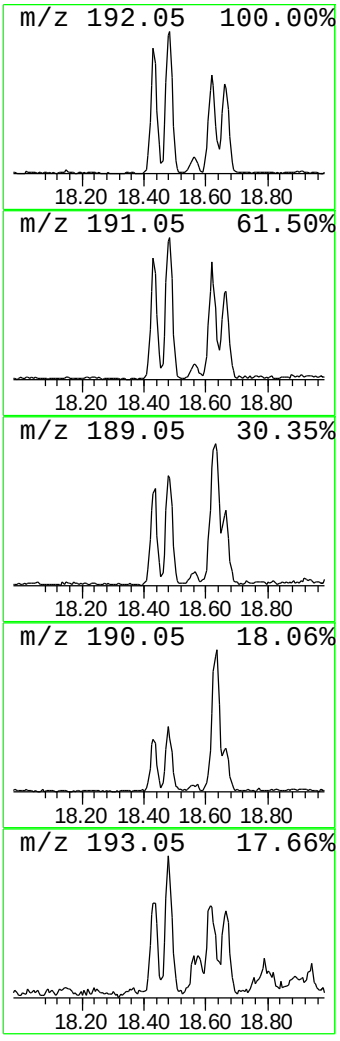
****

Peak Number 2 1H-Cyclopropa[l]phenanthren... Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.48	4.34 ng/ul	583683	Phenanthrene-d10	17.56

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	91
2	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	87
3	1H-Indene, 1-phenyl-	192	C15H12	001961-96-2	87
4	Naphtho[2,3-b]norbornadiene	192	C15H12	107426-38-0	87
5	Anthracene, 9-methyl-	192	C15H12	000779-02-2	87





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG081216\
Data File : BG023666.D
Acq On : 12 Aug 2016 21:35
Operator : UM/SJ
Sample : H4385-20
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : P003-SS001-1218-01

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

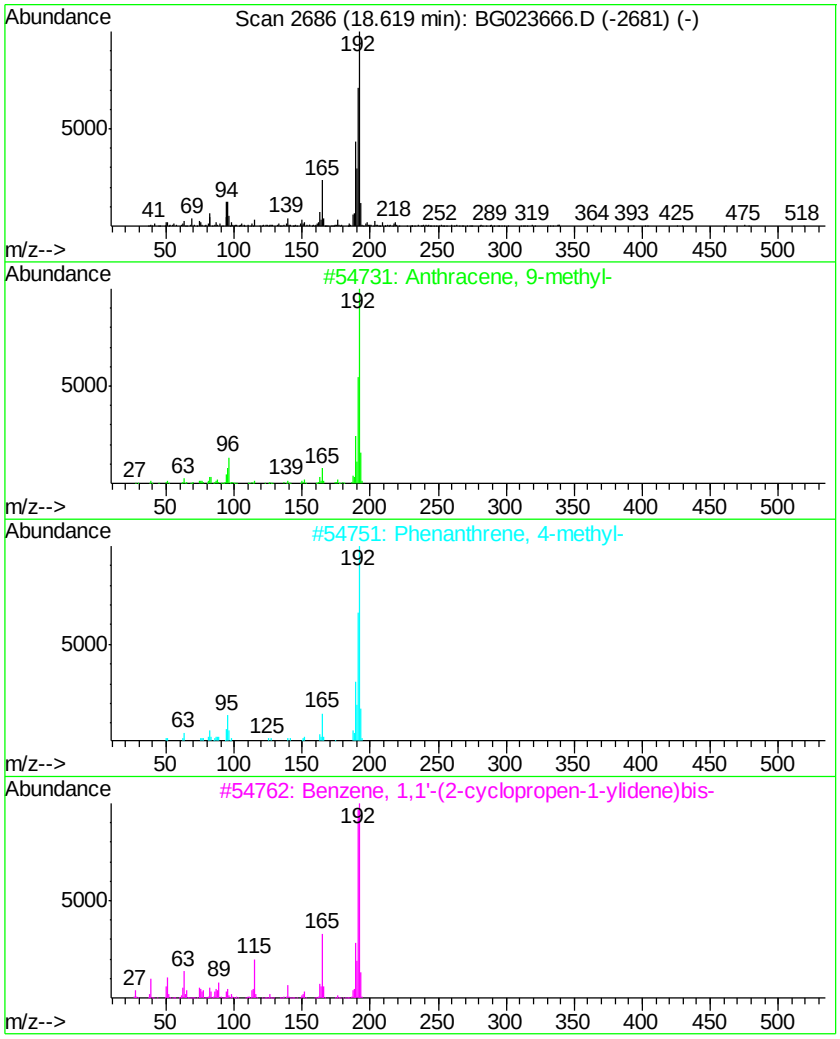
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

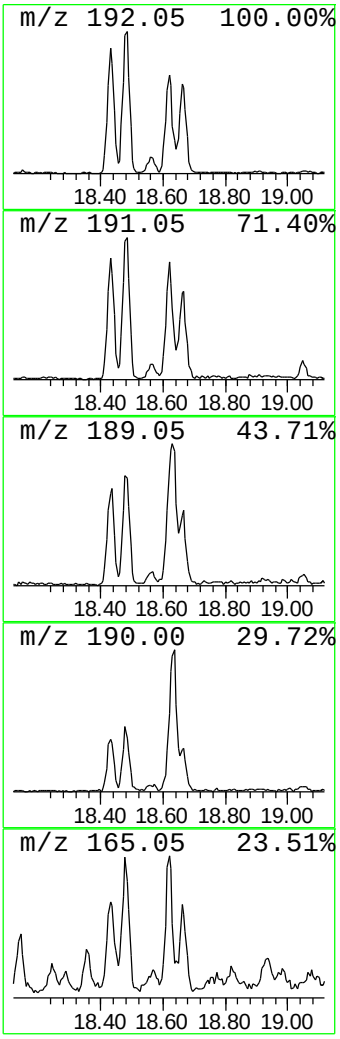
****

Peak Number 3 Anthracene, 9-methyl- Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.62	4.50 ng/ul	605534	Phenanthrene-d10	17.56

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene, 9-methyl-	192	C15H12	000779-02-2	76
2	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	70
3	Benzene, 1,1'-(2-cyclopropen-1-y...	192	C15H12	022825-21-4	70
4	1a,9b-Dihydro-1H-cyclopropa[a]an...	192	C15H12	006109-24-6	64
5	Anthracene, 1-methyl-	192	C15H12	000610-48-0	64





Data Path : Z:\HPCHEM1\BNA_G\DATA\BG081216\
Data File : BG023666.D
Acq On : 12 Aug 2016 21:35
Operator : UM/SJ
Sample : H4385-20
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : P003-SS001-1218-01

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

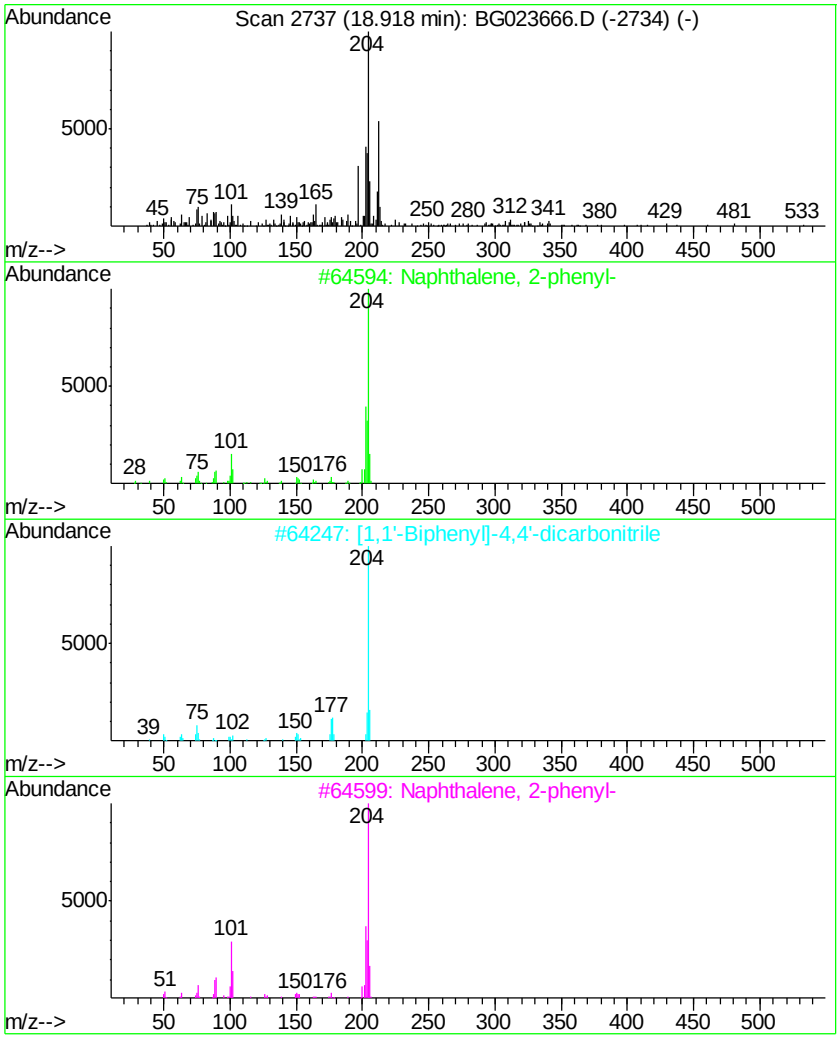
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

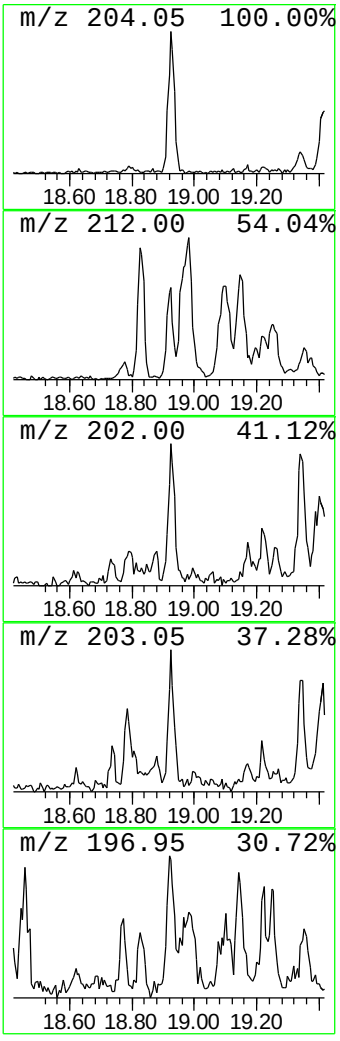
****

Peak Number 5 unknown-01 Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.92	2.04 ng/ul	274478	Phenanthrene-d10	17.56

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	46
2	[1,1'-Biphenyl]-4,4'-dicarbonitrile	204	C14H8N2	001591-30-6	42
3	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	41
4	Tetracyano-p-quinodimethane	204	C12H4N4	001518-16-7	38
5	7-Methoxy-3-nitroquinoline	204	C10H8N2O3	039977-95-2	38





Data Path : Z:\HPCHEM1\BNA_G\DATA\BG081216\
Data File : BG023666.D
Acq On : 12 Aug 2016 21:35
Operator : UM/SJ
Sample : H4385-20
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : P003-SS001-1218-01

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

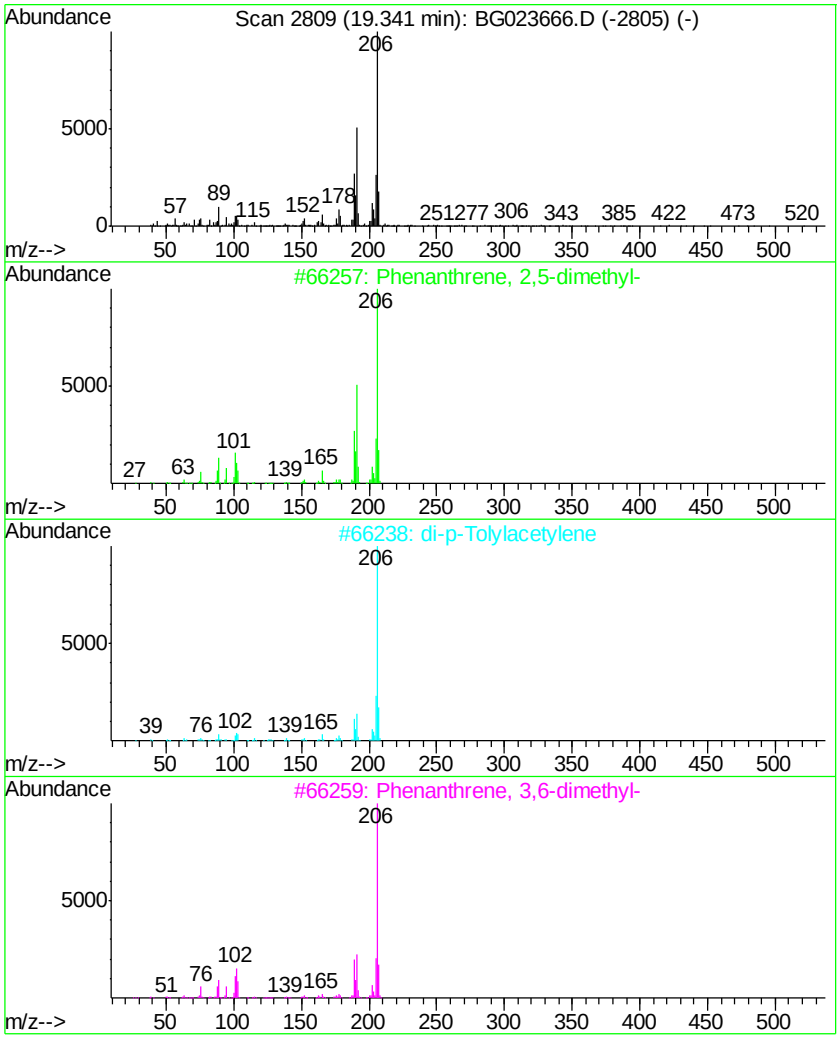
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

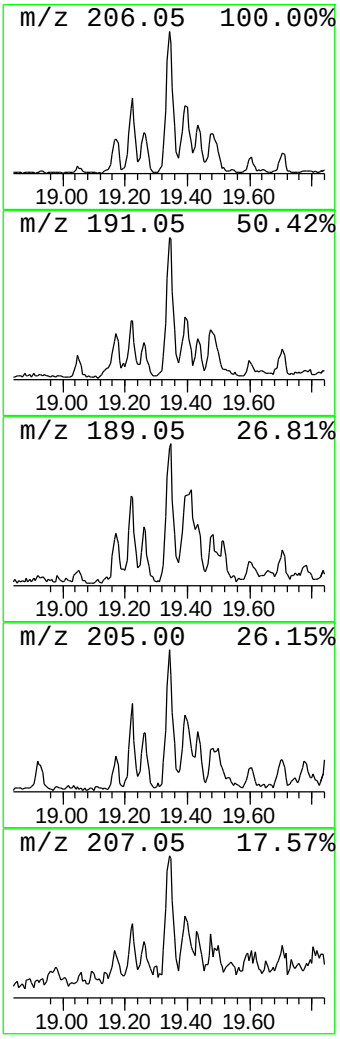
****

Peak Number 6 Phenanthrene, 2,5-dimethyl- Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.34	4.61 ng/ul	619328	Phenanthrene-d10	17.56

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	93
2	di-p-Tolylacetylene	206	C16H14	002789-88-0	91
3	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	80
4	Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	80
5	9,10-Dimethylanthracene	206	C16H14	000781-43-1	80





Data Path : Z:\HPCHEM1\BNA_G\DATA\BG081216\
Data File : BG023666.D
Acq On : 12 Aug 2016 21:35
Operator : UM/SJ
Sample : H4385-20
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : P003-SS001-1218-01

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

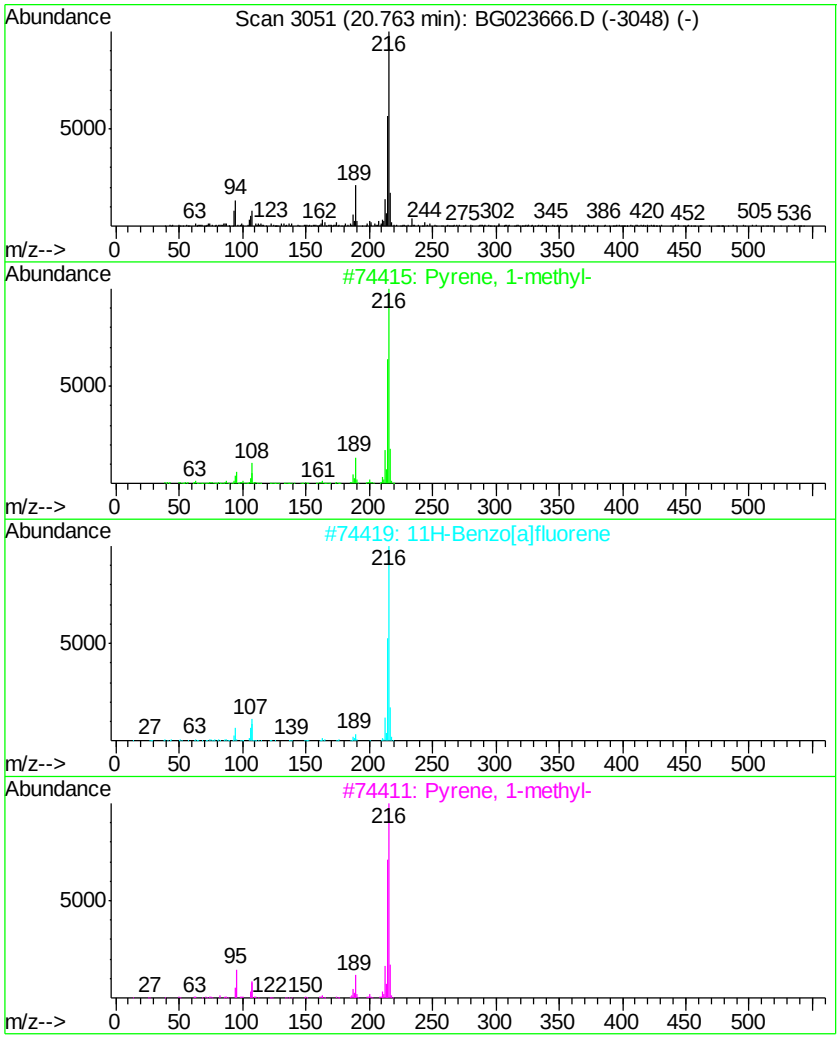
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

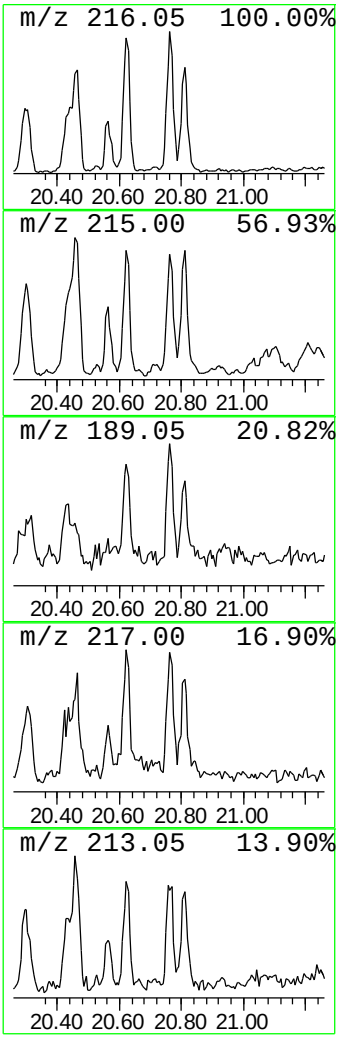
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.76	2.00 ng/ul	308201	Chrysene-d12	21.88

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene, 1-methyl-	216	C17H12	002381-21-7	94
2	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	93
3	Pyrene, 1-methyl-	216	C17H12	002381-21-7	81
4	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	81
5	Pyrene, 1-methyl-	216	C17H12	002381-21-7	81





Tentatively Identified Compound (LSC) summary

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG081216\
Data File : BG023666.D
Acq On : 12 Aug 2016 21:35
Operator : UM/SJ
Sample : H4385-20
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : P003-SS001-1218-01

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
Anthracene, 2-met...	18.42	5.4	ng/ul	729310	4	17.56	2689100	20.0
1H-Cyclopropa[l]p...	18.48	4.3	ng/ul	583683	4	17.56	2689100	20.0
Anthracene, 9-met...	18.62	4.5	ng/ul	605534	4	17.56	2689100	20.0
unknown-01	18.92	2.0	ng/ul	274478	4	17.56	2689100	20.0
Phenanthrene, 2,5...	19.34	4.6	ng/ul	619328	4	17.56	2689100	20.0
Pyrene, 1-methyl-	20.76	2.0	ng/ul	308201	5	21.88	3077780	20.0