LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG081216\
Data File : BG023661.D
Acq On : 12 Aug 2016 18:25
Operator : UM/SJ
Sample : H4384-19
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : P002-SS001-0612-02

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	3.634	133	135	136	rBV2	6708	4702	0.16%	0.014%
2	4.016	197	200	206	rVB4	14713	23423	0.78%	0.068%
3	4.086	210	212	215	rBV3	5634	7434	0.25%	0.022%
4	4.491	279	281	283	rVB3	6469	4643	0.15%	0.014%
5	4.521	283	286	287	rBV3	6720	6865	0.23%	0.020%
6	5.331	421	424	426	rVB3	4963	5606	0.19%	0.016%
7	5.402	434	436	439	rBV4	4722	4844	0.16%	0.014%
8	5.543	458	460	462	rBV3	5614	5104	0.17%	0.015%
9	5.696	485	486	490	rBV4	5017	6588	0.22%	0.019%
10	6.506	621	624	625	rBV3	7310	6126	0.20%	0.018%
11	6.583	632	637	639	rBV5	2722	4715	0.16%	0.014%
12	6.859	680	684	685	rBV4	3596	4856	0.16%	0.014%
13	7.276	747	755	766	rBV	263714	482223	15.96%	1.410%
14	7.429	775	781	788	rBV	203196	338020	11.19%	0.988%
15	7.646	810	818	830	rVB	249139	443108	14.67%	1.295%
16	7.758	834	837	839	rBV4	4509	4564	0.15%	0.013%
17	7.987	873	876	878	rBV4	4389	5942	0.20%	0.017%
18	8.116	888	898	907	rBV	428674	751744	24.89%	2.197%
19	8.210	912	914	916	rBV3	6978	7203	0.24%	0.021%
20	8.427	948	951	953	rBV2	6176	6465	0.21%	0.019%
21	8.592	976	979	981	rVB4	6003	5657	0.19%	0.017%
22	8.645	985	988	990	rBV3	5103	6377	0.21%	0.019%
23	8.674	990	993	998	rBV6	6784	11493	0.38%	0.034%
24	8.833	1013	1020	1033	rBV	343214	636269	21.06%	1.860%
25	9.297	1092	1099	1107	rBV	263679	481568	15.94%	1.408%
26	9.414	1114	1119	1122	rBV7	16144	32153	1.06%	0.094%
27	9.890	1195	1200	1201	rBV3	5395	8241	0.27%	0.024%
28	10.025	1215	1223	1230	rBV2	241075	439342	14.54%	1.284%
29	10.284	1266	1267	1271	rVB4	5358	4586	0.15%	0.013%
30	10.360	1276	1280	1281	rVV3	5489	6106	0.20%	0.018%
31	10.372	1281	1282	1286	rVB4	4652	4734	0.16%	0.014%
32	10.583	1310	1318	1330	rBV2	330123	679685	22.50%	1.987%
33	10.689	1333	1336	1339	rVB4	4956	5086	0.17%	0.015%
34	10.953	1374	1381	1389	rBV	672971	1202778	39.82%	3.516%

LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG081216\
Data File : BG023661.D
Acq On : 12 Aug 2016 18:25
Operator : UM/SJ
Sample : H4384-19
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : P002-SS001-0612-02

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	11.094	1398	1405	1412	rBV	257109	506019	16.75%	1.479%
36	11.582	1487	1488	1493	rBV4	3943	6239	0.21%	0.018%
37	11.670	1501	1503	1506	rBV3	6166	6010	0.20%	0.018%
38	11.746	1512	1516	1517	rBV3	5377	5842	0.19%	0.017%
39	11.923	1544	1546	1548	rBV3	5417	4564	0.15%	0.013%
40	12.340	1614	1617	1622	rVB7	3668	5322	0.18%	0.016%
41	12.434	1629	1633	1635	rBV4	12121	13736	0.45%	0.040%
42	12.457	1635	1637	1640	rVV4	6286	4879	0.16%	0.014%
43	12.510	1644	1646	1647	rBV	4973	4808	0.16%	0.014%
44	12.610	1660	1663	1668	rVB4	14615	23044	0.76%	0.067%
45	12.663	1670	1672	1673	rBV2	4908	4498	0.15%	0.013%
46	12.833	1697	1701	1705	rBV4	12279	15416	0.51%	0.045%
47	13.062	1738	1740	1743	rVB4	7596	5005	0.17%	0.015%
48	13.133	1747	1752	1755	rBV8	7947	14428	0.48%	0.042%
49	13.191	1759	1762	1763	rBV3	5313	4646	0.15%	0.014%
50	13.291	1776	1779	1782	rVB5	5340	7712	0.26%	0.023%
51	13.379	1790	1794	1798	rBV5	13457	16681	0.55%	0.049%
52	13.585	1828	1829	1832	rVB3	7705	5228	0.17%	0.015%
53	13.626	1832	1836	1837	rBV4	5578	7814	0.26%	0.023%
54	13.661	1838	1842	1847	rVB4	21899	32273	1.07%	0.094%
55	13.726	1849	1853	1855	rBV4	6699	11170	0.37%	0.033%
56	13.937	1886	1889	1890	rBV3	8538	7894	0.26%	0.023%
57	14.108	1913	1918	1923	rBV3	34853	51709	1.71%	0.151%
58	14.184	1924	1931	1935	rVV	810688	1207327	39.97%	3.529%
59	14.231	1935	1939	1946	rVB	481175	712419	23.59%	2.082%
60	14.343	1955	1958	1963	rBV6	15011	23343	0.77%	0.068%
61	14.431	1970	1973	1975	rBV4	6519	7393	0.24%	0.022%
62	14.484	1975	1982	1993	rBV	873509	1482254	49.07%	4.333%
63	14.789	2025	2034	2042	rBV2	1147034	1938828	64.19%	5.667%
64	14.854	2042	2045	2051	rVB4	33805	49008	1.62%	0.143%
65	15.012	2067	2072	2082	rBV2	260855	566908	18.77%	1.657%
66	15.189	2098	2102	2110	rVB5	49731	86143	2.85%	0.252%
67	15.259	2110	2114	2123	rVB3	44537	78265	2.59%	0.229%
68	15.406	2133	2139	2144	rBV4	45232	75423	2.50%	0.220%
69	15.459	2145	2148	2153	rVB3	36521	45952	1.52%	0.134%
70	15.559	2161	2165	2168	rBV3	34690	59941	1.98%	0.175%
71	15.612	2171	2174	2179	rVB3	47228	68427	2.27%	0.200%

LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG081216\
Data File : BG023661.D
Acq On : 12 Aug 2016 18:25
Operator : UM/SJ
Sample : H4384-19
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : P002-SS001-0612-02

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	15.788	2198	2204	2210	rBV	1171251	1750365	57.95%	5.116%
73	15.841	2210	2213	2220	rVB6	38698	73069	2.42%	0.214%
74	15.917	2221	2226	2236	rBV	323443	546632	18.10%	1.598%
75	16.481	2318	2322	2324	rBV	54934	73834	2.44%	0.216%
76	16.657	2348	2352	2357	rBV7	29962	66798	2.21%	0.195%
77	17.274	2454	2457	2463	rBV3	83535	105219	3.48%	0.308%
78	17.556	2499	2505	2509	rBV2	1588066	2461165	81.48%	7.194%
79	17.597	2509	2512	2517	rVB	635006	911988	30.19%	2.666%
80	17.656	2517	2522	2527	rBV2	1295852	1903399	63.01%	5.564%
81	18.431	2649	2654	2659	rBV2	509607	916834	30.35%	2.680%
82	18.484	2659	2663	2671	rVB2	446347	686346	22.72%	2.006%
83	18.625	2682	2687	2691	rBV2	367714	662178	21.92%	1.936%
84	18.931	2735	2739	2742	rBV2	179911	270411	8.95%	0.790%
85	19.224	2786	2789	2793	rBV	241347	283236	9.38%	0.828%
86	19.266	2793	2796	2803	rVB	181456	250313	8.29%	0.732%
87	19.348	2805	2810	2814	rBV	603775	936449	31.00%	2.737%
88	19.612	2851	2855	2860	rVB	1111789	1563978	51.78%	4.572%
89	19.953	2908	2913	2915	rBV2	1438924	2293068	75.91%	6.703%
90	19.982	2915	2918	2925	rVB	1549882	2117646	70.11%	6.190%
91	20.047	2925	2929	2934	rBV	337307	502486	16.64%	1.469%
92	21.886	3235	3242	3246	rBV3	1475879	3020632	100.00%	8.829%

Sum of corrected areas: 34210864

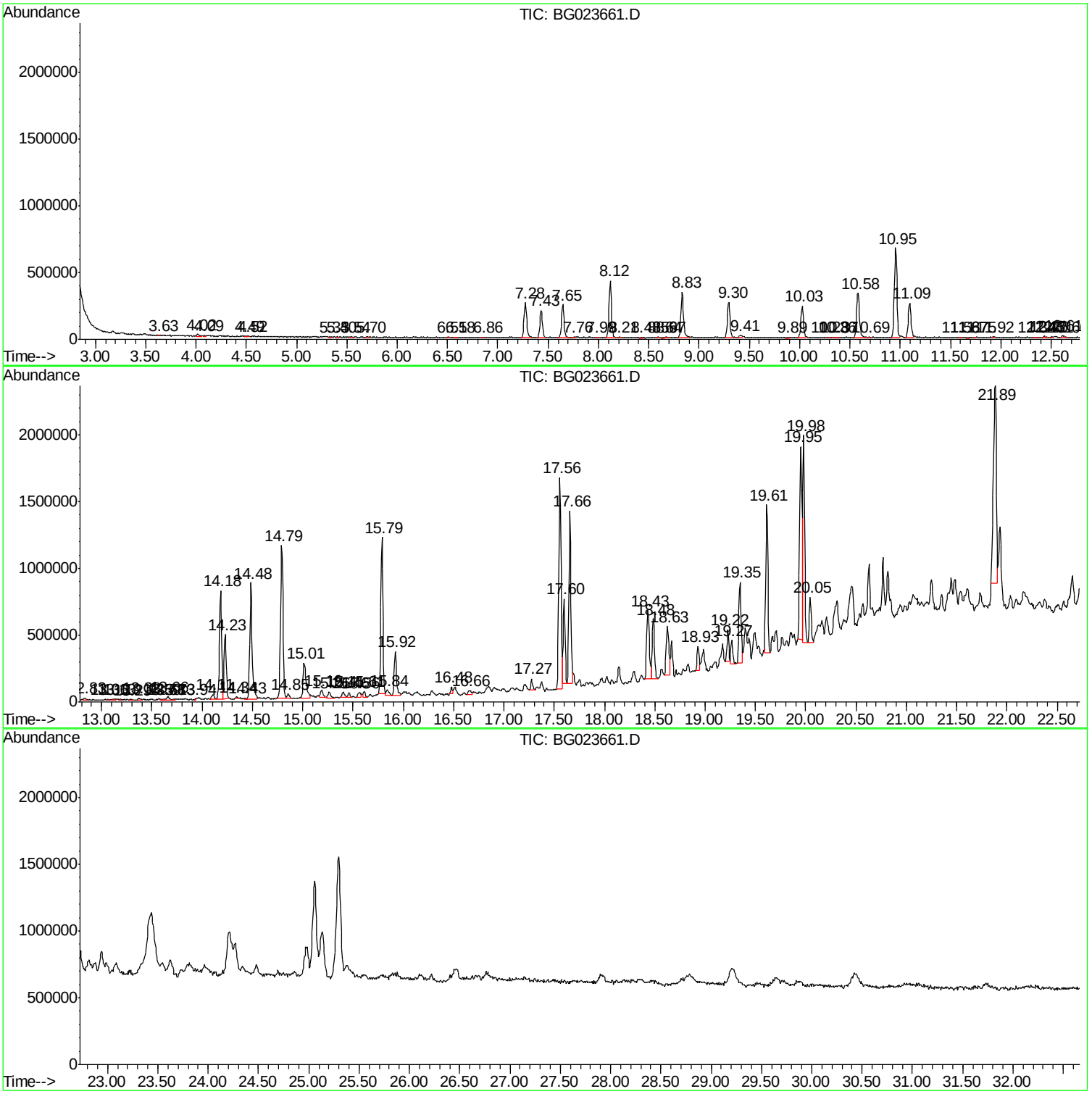
LSC Report - Integrated Chromatogram

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG081216\
Data File : BG023661.D
Acq On : 12 Aug 2016 18:25
Operator : UM/SJ
Sample : H4384-19
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : P002-SS001-0612-02

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\
Data File : BG023661.D
Acq On : 12 Aug 2016 18:25
Operator : UM/SJ
Sample : H4384-19
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : P002-SS001-0612-02

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

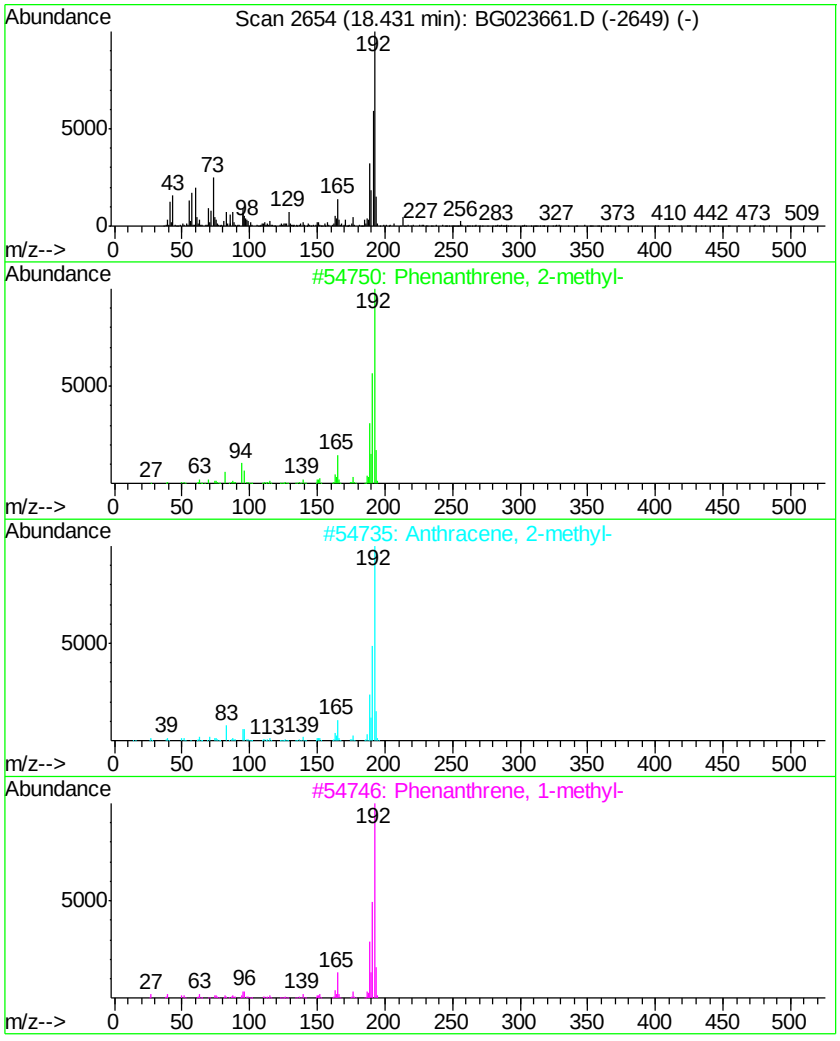
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

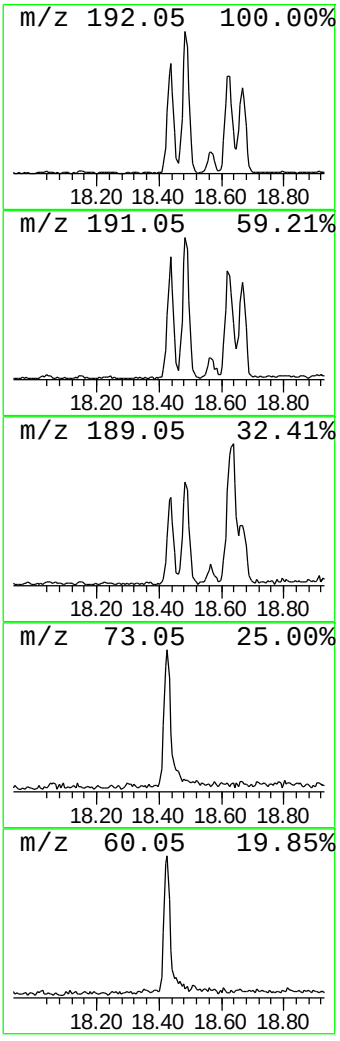
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.43	7.45 ng/ul	916834	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	93
3	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	91
4	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	90
5	Anthracene, 2-methyl-	192	C15H12	000613-12-7	90





Data Path : Z:\HPCHEM1\BNA_G\DATA\BG081216\
Data File : BG023661.D
Acq On : 12 Aug 2016 18:25
Operator : UM/SJ
Sample : H4384-19
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : P002-SS001-0612-02

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

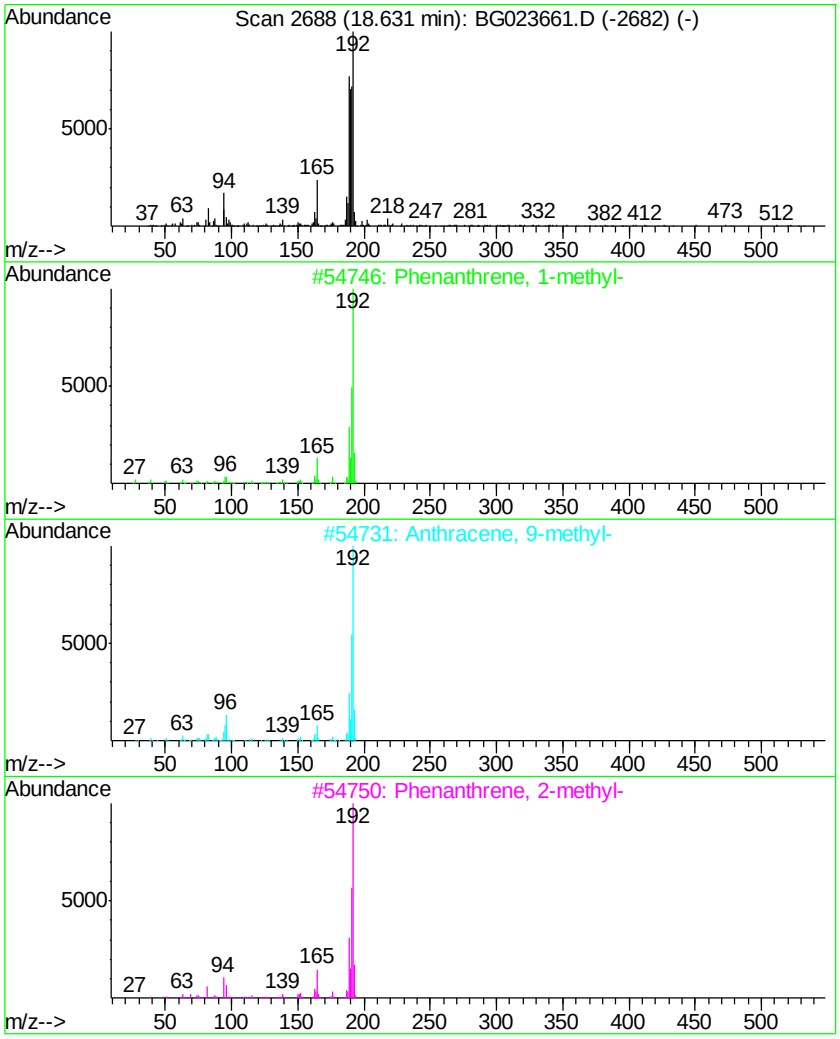
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

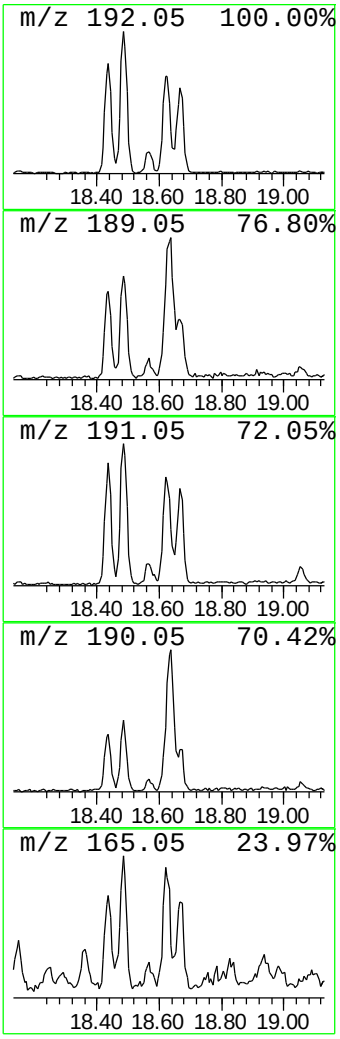
****

Peak Number 3 Phenanthrene, 1-methyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.63	5.38 ng/ul	662178	Phenanthrene-d10	17.56

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	90
2	Anthracene, 9-methyl-	192	C15H12	000779-02-2	83
3	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	83
4	Anthracene, 1-methyl-	192	C15H12	000610-48-0	78
5	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	64





Data Path : Z:\HPCHEM1\BNA_G\DATA\BG081216\
Data File : BG023661.D
Acq On : 12 Aug 2016 18:25
Operator : UM/SJ
Sample : H4384-19
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : P002-SS001-0612-02

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

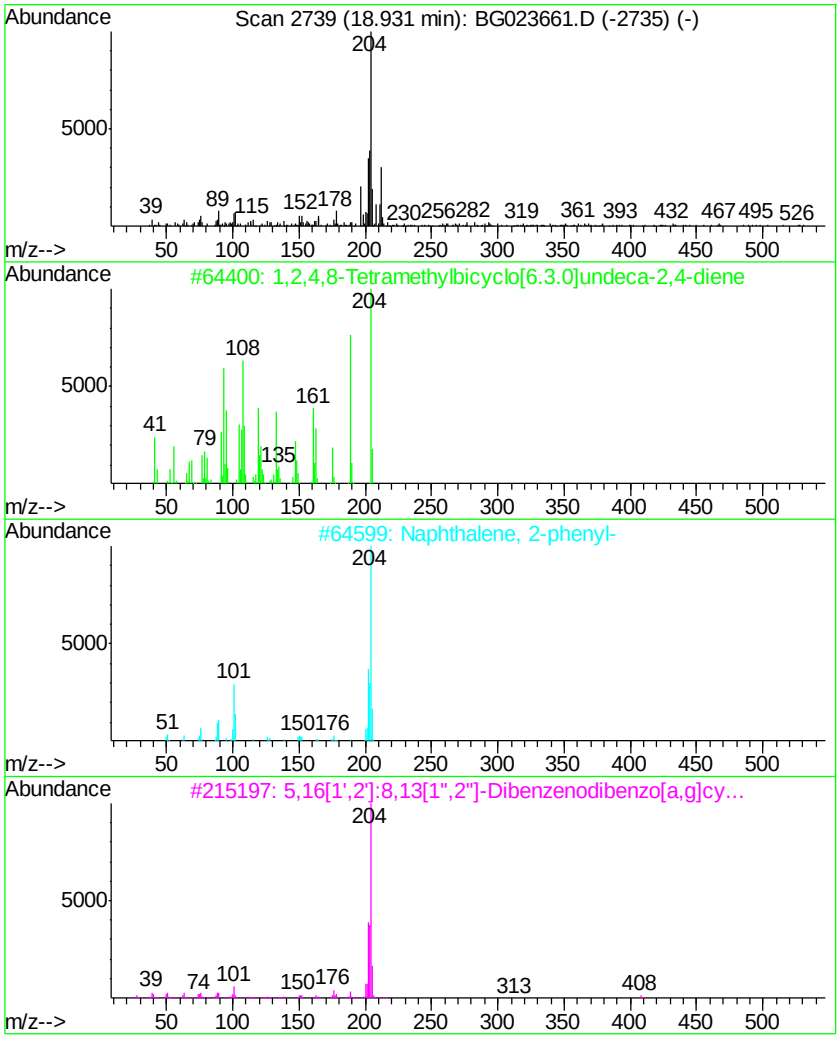
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

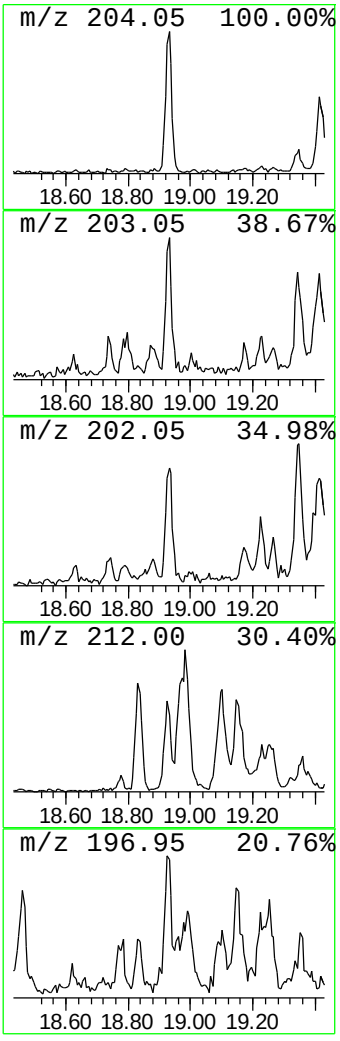
****

Peak Number 4 1,2,4,8-Tetramethylbicyclo[... Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.93	2.20 ng/ul	270411	Phenanthrene-d10	17.56

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,2,4,8-Tetramethylbicyclo[6.3.0...	204	C15H24	137235-51-9	70
2	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	58
3	5,16[1',2']:8,13[1'',2'']-Dibenz...	408	C32H24	005672-97-9	53
4	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	52
5	Levamisole	204	C11H12N2S	014769-73-4	50





Data Path : Z:\HPCHEM1\BNA_G\DATA\BG081216\
Data File : BG023661.D
Acq On : 12 Aug 2016 18:25
Operator : UM/SJ
Sample : H4384-19
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : P002-SS001-0612-02

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

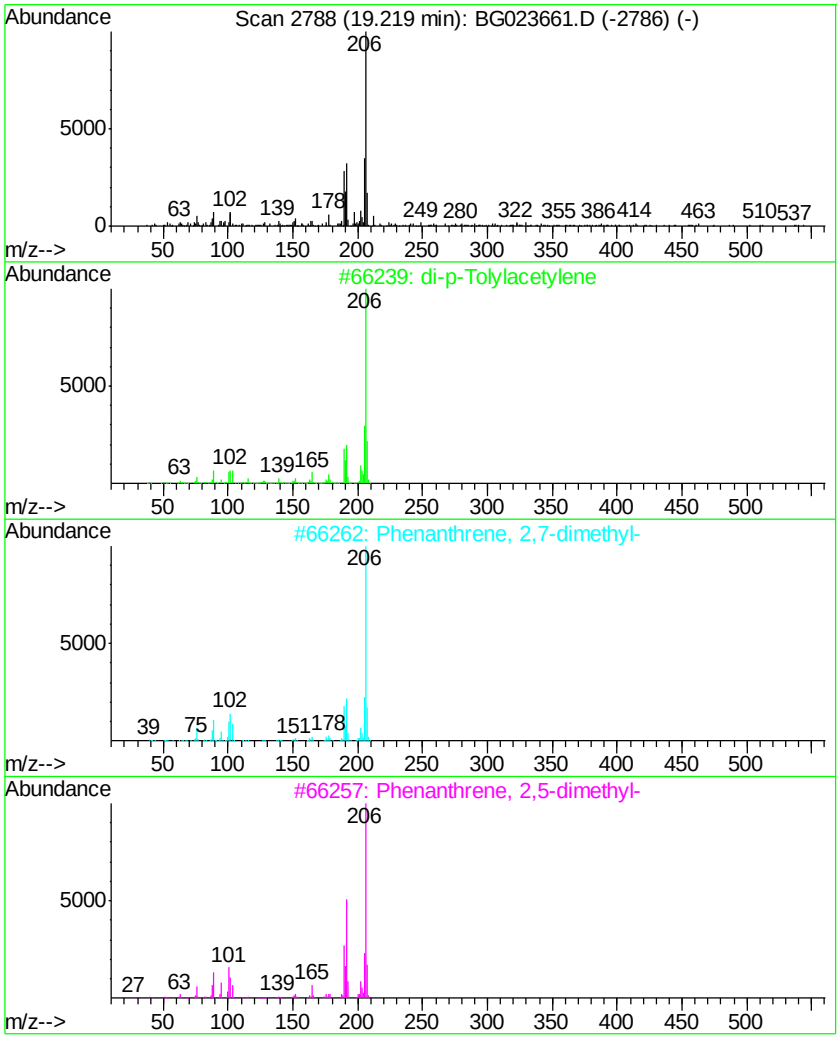
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

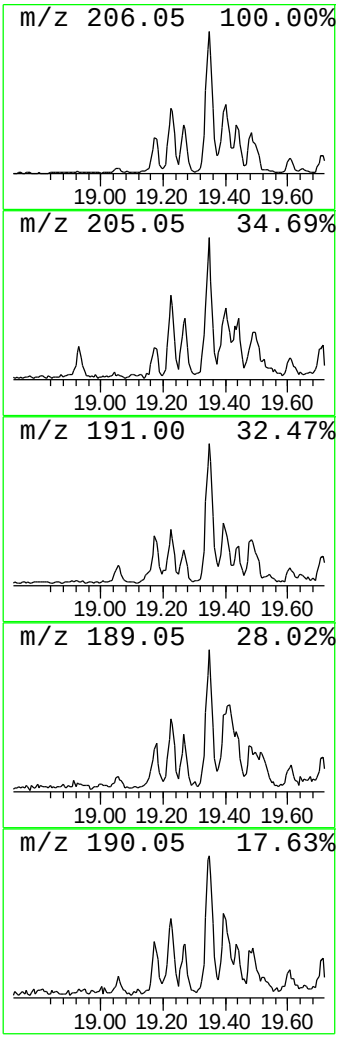
****

Peak Number 5 di-p-Tolylacetylene Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.22	2.30 ng/ul	283236	Phenanthrene-d10	17.56

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	di-p-Tolylacetylene	206	C16H14	002789-88-0	90
2	Phenanthrene, 2,7-dimethyl-	206	C16H14	001576-69-8	87
3	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	86
4	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	86
5	Phenanthrene, 2,7-dimethyl-	206	C16H14	001576-69-8	81





Data Path : Z:\HPCHEM1\BNA_G\DATA\BG081216\
Data File : BG023661.D
Acq On : 12 Aug 2016 18:25
Operator : UM/SJ
Sample : H4384-19
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : P002-SS001-0612-02

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

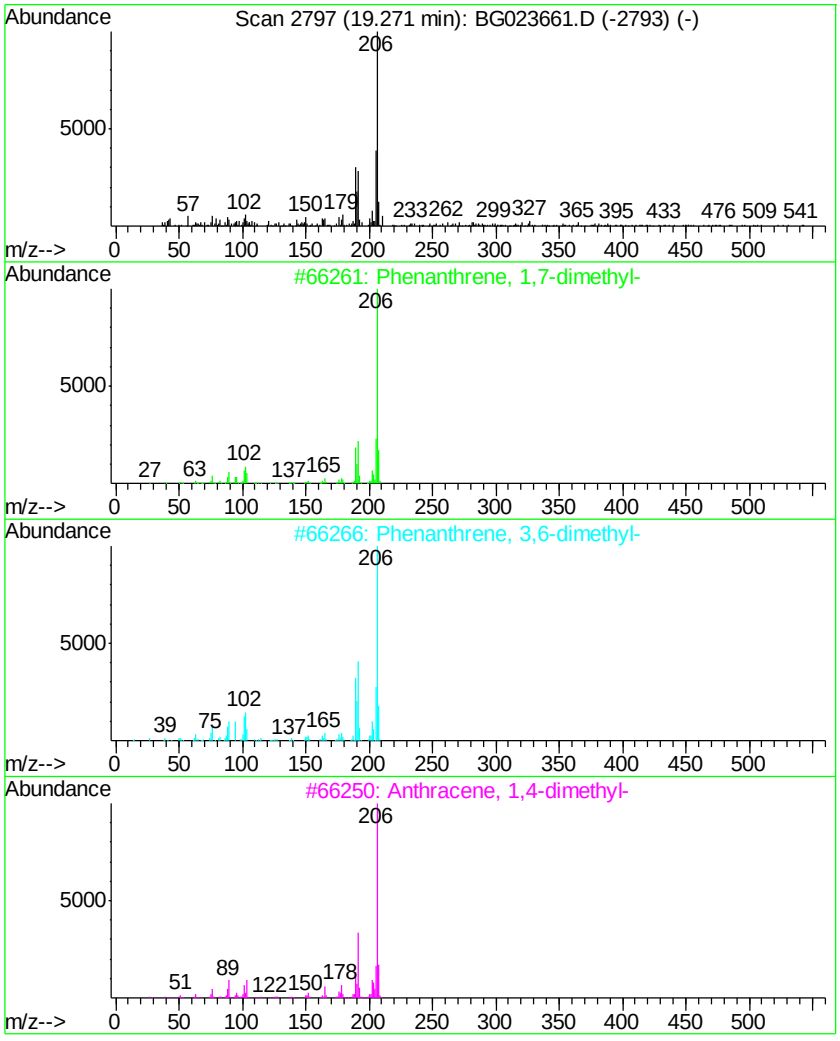
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

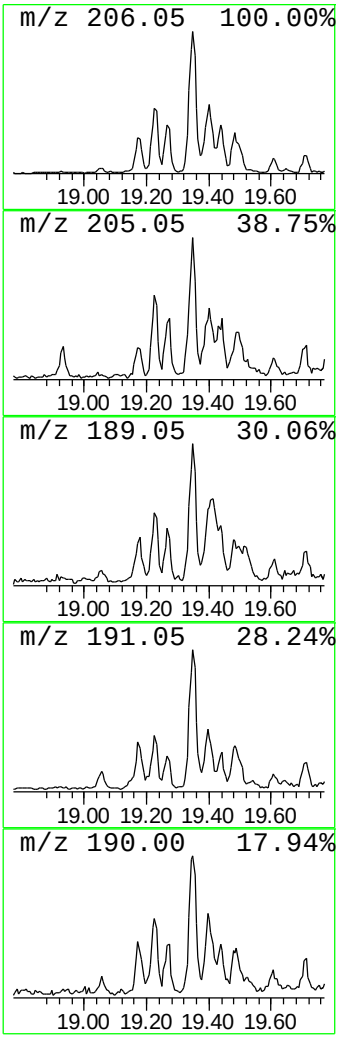
****

Peak Number 6 Phenanthrene, 1,7-dimethyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.27	2.03 ng/ul	250313	Phenanthrene-d10	17.56

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 1,7-dimethyl-	206	C16H14	000483-87-4	90
2	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	87
3	Anthracene, 1,4-dimethyl-	206	C16H14	000781-92-0	76
4	Naphthalene, 1,2-dihydro-4-phenyl-	206	C16H14	007469-40-1	74
5	Naphthalene, 1,2-dihydro-1-phenyl-	206	C16H14	016606-46-5	74





Data Path : Z:\HPCHEM1\BNA_G\DATA\BG081216\
Data File : BG023661.D
Acq On : 12 Aug 2016 18:25
Operator : UM/SJ
Sample : H4384-19
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : P002-SS001-0612-02

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

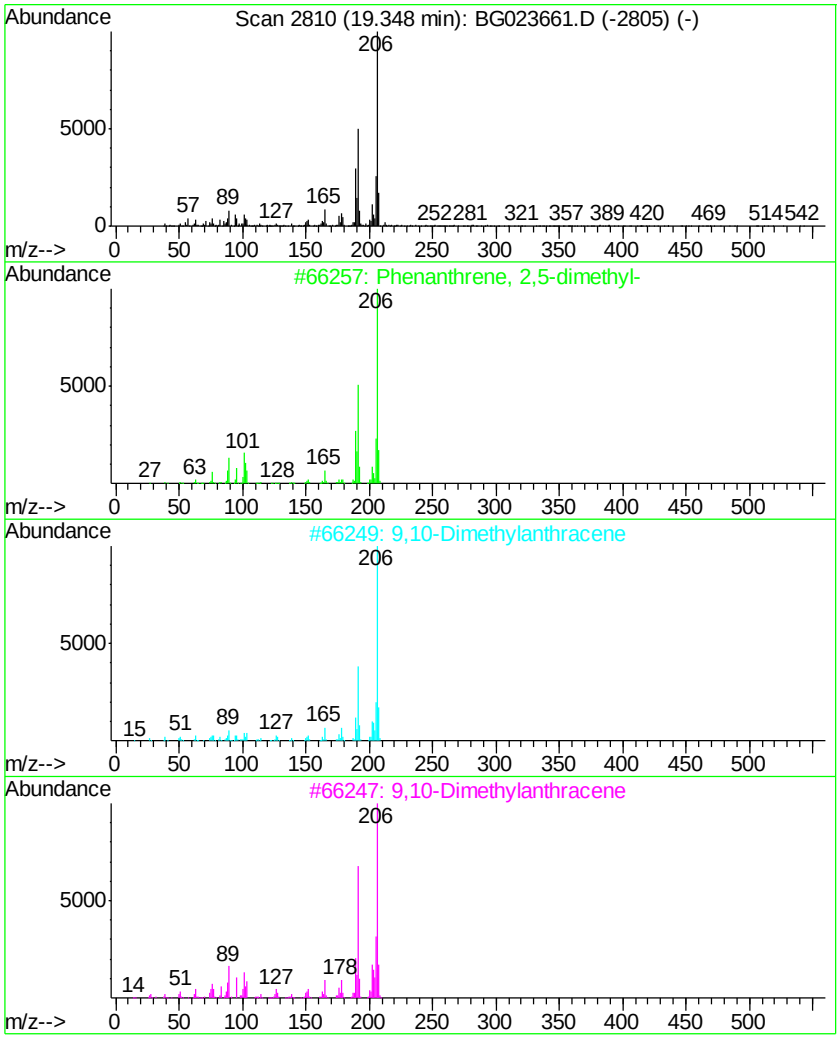
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

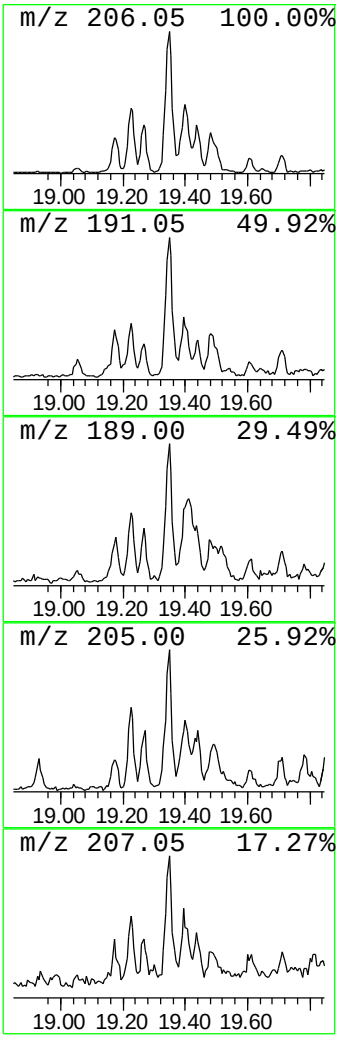
****

Peak Number 7 Phenanthrene, 2,5-dimethyl- Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.35	7.61 ng/ul	936449	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	9,10-Dimethylanthracene	206	C16H14	000781-43-1	91
3	9,10-Dimethylanthracene	206	C16H14	000781-43-1	91
4	3-Methyl-1-phenyl-1H-indene	206	C16H14	022360-63-0	90
5	Phenanthrene, 1,7-dimethyl-	206	C16H14	000483-87-4	89





Data Path : Z:\HPCHEM1\BNA_G\DATA\BG081216\
Data File : BG023661.D
Acq On : 12 Aug 2016 18:25
Operator : UM/SJ
Sample : H4384-19
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : P002-SS001-0612-02

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

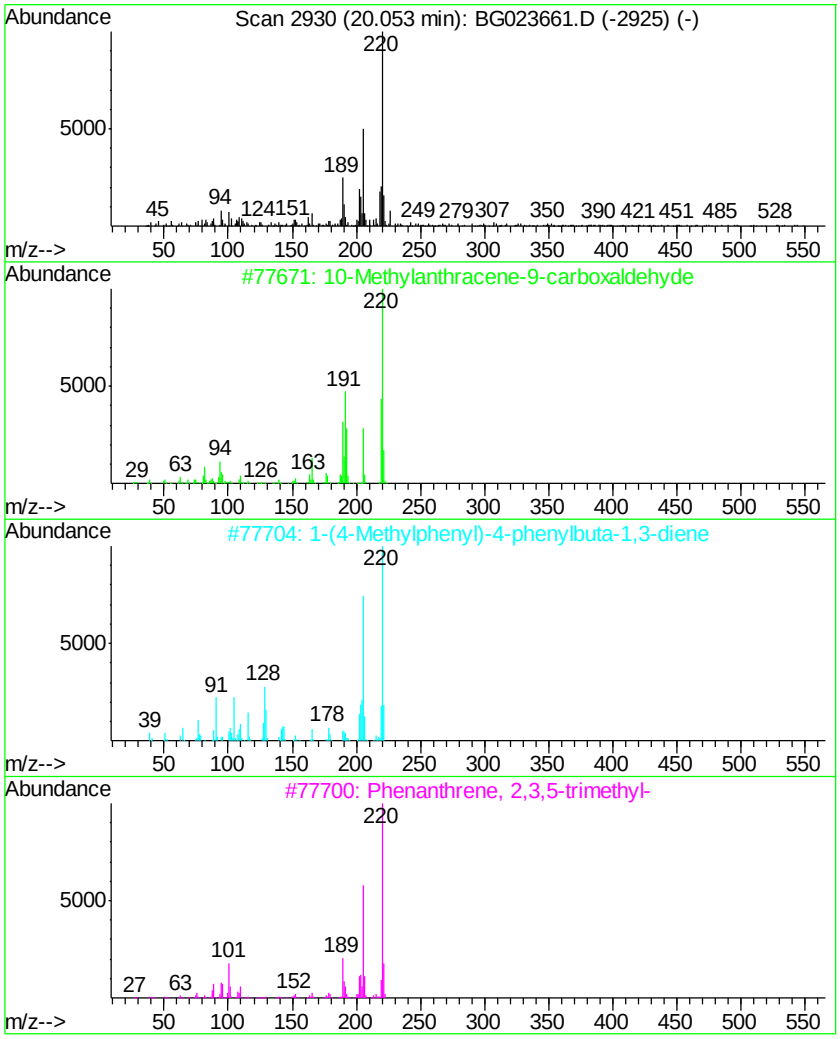
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

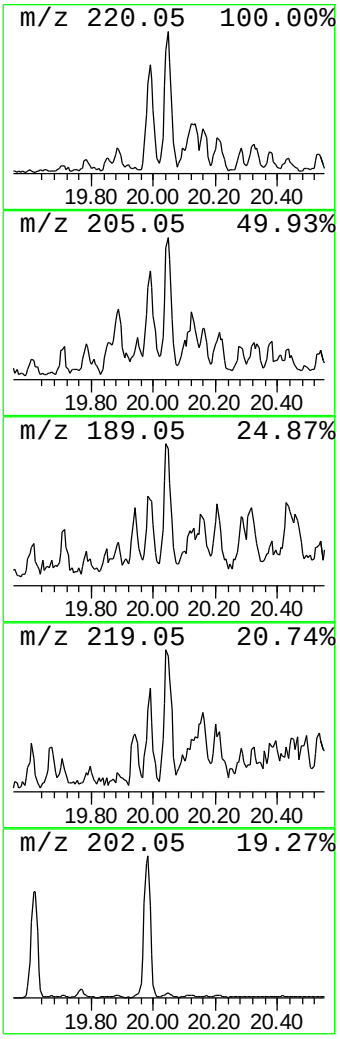
****

Peak Number 8 10-Methylanthracene-9-carbo... Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.05	3.33 ng/ul	502486	Chrysene-d12	21.89

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	10-Methylanthracene-9-carboxalde...	220	C16H12O	007072-00-6	55
2	1-(4-Methylphenyl)-4-phenylbuta-...	220	C17H16	037985-11-8	53
3	Phenanthrene, 2,3,5-trimethyl-	220	C17H16	003674-73-5	52
4	1-Penten-3-one, 4-methyl-1-[2,6,...	220	C15H24O	1000132-20-9	49
5	5-(2,5-Dimethoxy-phenyl)-2H-pyra...	220	C11H12N2O3	1000278-26-9	47





Tentatively Identified Compound (LSC) summary

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG081216\
Data File : BG023661.D
Acq On : 12 Aug 2016 18:25
Operator : UM/SJ
Sample : H4384-19
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : P002-SS001-0612-02

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
Phenanthrene, 2-m...	18.43	7.5	ng/ul	916834	4	17.56	2461170	20.0
Phenanthrene, 1-m...	18.63	5.4	ng/ul	662178	4	17.56	2461170	20.0
1,2,4,8-Tetrameth...	18.93	2.2	ng/ul	270411	4	17.56	2461170	20.0
di-p-Tolylacetylene	19.22	2.3	ng/ul	283236	4	17.56	2461170	20.0
Phenanthrene, 1,7...	19.27	2.0	ng/ul	250313	4	17.56	2461170	20.0
Phenanthrene, 2,5...	19.35	7.6	ng/ul	936449	4	17.56	2461170	20.0
10-Methylanthrace...	20.05	3.3	ng/ul	502486	5	21.89	3020630	20.0