LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM052216\
Data File : BM005611.D
Acq On : 23 May 2016 05:57
Operator : UM/SJ
Sample : H3087-15
Misc :
ALS Vial : 29 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : JHGK8

Integration Parameters: LSCINT.P
Integrator: RTE
Smoothing : OFF Filtering: 5
Sampling : 1 Min Area: 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_M\METHODS\SOM02.2-EPA-BM052016.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	2.634	3	8	22	rVB	28225	58143	2.53%	0.221%
2	7.010	746	752	761	rVB	301531	491010	21.38%	1.868%
3	7.157	771	777	787	rBB	215565	332003	14.46%	1.263%
4	7.369	806	813	820	rBB	303644	494869	21.55%	1.883%
5	7.828	883	891	898	rBB	298059	475216	20.69%	1.808%
6	8.545	1006	1013	1022	rBB	359830	581429	25.32%	2.213%
7	8.645	1024	1030	1040	rBB	37301	61633	2.68%	0.235%
8	8.986	1081	1088	1096	rBB	290967	488878	21.29%	1.860%
9	9.704	1204	1210	1218	rVB	242787	405809	17.67%	1.544%
10	10.257	1296	1304	1312	rBV	389709	663232	28.88%	2.524%
11	10.622	1356	1366	1371	rBV	431078	734599	31.99%	2.795%
12	10.669	1371	1374	1382	rVB	143492	230000	10.02%	0.875%
13	10.757	1382	1389	1402	rBV	282528	515921	22.47%	1.963%
14	12.286	1640	1649	1656	rVB	87975	141059	6.14%	0.537%
15	12.504	1676	1686	1693	rVB	65844	106708	4.65%	0.406%
16	13.292	1813	1820	1826	rVB2	32495	60215	2.62%	0.229%
17	13.633	1872	1878	1884	rBV3	21208	50951	2.22%	0.194%
18	13.786	1898	1904	1909	rBV	39587	70845	3.09%	0.270%
19	13.874	1909	1919	1923	rVV	676813	1045220	45.51%	3.977%
20	13.916	1923	1926	1934	rVB	401233	566870	24.68%	2.157%
21	14.157	1961	1967	1983	rVB	782253	1297238	56.49%	4.936%
22	14.357	1996	2001	2005	rBV	39253	52330	2.28%	0.199%
23	14.468	2009	2020	2026	rVV2	616068	1033220	44.99%	3.932%
24	14.527	2026	2030	2039	rVB	78210	128158	5.58%	0.488%
25	14.692	2049	2058	2065	rBV	289173	459866	20.03%	1.750%
26	14.863	2082	2087	2093	rVB2	48677	72210	3.14%	0.275%
27	15.257	2147	2154	2157	rBV3	24633	43900	1.91%	0.167%
28	15.304	2159	2162	2166	rVB	48315	63939	2.78%	0.243%
29	15.462	2182	2189	2194	rBV	1038436	1557462	67.82%	5.927%
30	15.515	2194	2198	2207	rVB	153506	223329	9.73%	0.850%
31	15.592	2207	2211	2216	rBV2	73559	122525	5.34%	0.466%
32	15.674	2221	2225	2227	rBV2	22882	32306	1.41%	0.123%
33	15.804	2244	2247	2254	rVB4	24666	41161	1.79%	0.157%
34	16.168	2305	2309	2311	rBV2	73794	104908	4.57%	0.399%

LSC Area Percent Report

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Acq On : 23 May 2016 05:57
Operator : UM/SJ
Sample : H3087-15
Misc :
ALS Vial : 29 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : JHGK8

Integration Parameters: LSCINT.P
Integrator: RTE
Smoothing : OFF Filtering: 5
Sampling : 1 Min Area: 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_M\METHODS\SOM02.2-EPA-BM052016.M
Title : SVOA CALIBRATION

35	16.515	2362	2368	2373	rBV2	40670	83274	3.63%	0.317%
36	16.668	2390	2394	2398	rBV2	26878	40228	1.75%	0.153%
37	16.862	2423	2427	2433	rBV	36727	60291	2.63%	0.229%
38	16.956	2441	2443	2447	rVB	33210	34396	1.50%	0.131%
39	17.027	2451	2455	2463	rVB	112863	183692	8.00%	0.699%
40	17.209	2481	2486	2490	rBV	831861	1289411	56.15%	4.907%
41	17.251	2490	2493	2498	rVV	1162700	1712971	74.59%	6.519%
42	17.309	2498	2503	2507	rVV2	1205572	1807205	78.70%	6.877%
43	17.345	2507	2509	2513	rVB	260629	283200	12.33%	1.078%
44	17.615	2552	2555	2558	rVB	50007	57982	2.52%	0.221%
45	17.792	2582	2585	2593	rVB2	63045	101782	4.43%	0.387%
46	18.086	2630	2635	2639	rBV	186940	311672	13.57%	1.186%
47	18.133	2639	2643	2647	rVB	239131	322347	14.04%	1.227%
48	18.280	2663	2668	2672	rBV2	216311	387761	16.89%	1.476%
49	18.580	2716	2719	2723	rBV	150182	197415	8.60%	0.751%
50	18.627	2724	2727	2732	rVV2	118435	172554	7.51%	0.657%
51	19.268	2831	2836	2842	rVB	1095663	1521845	66.27%	5.791%
52	19.603	2888	2893	2896	rBV	1431401	2296431	100.00%	8.739%
53	19.633	2896	2898	2906	rVB	1185245	1401948	61.05%	5.335%
54	21.386	3192	3196	3200	rBV2	790855	1204981	52.47%	4.585%

Sum of corrected areas: 26278548

LSC Report - Integrated Chromatogram

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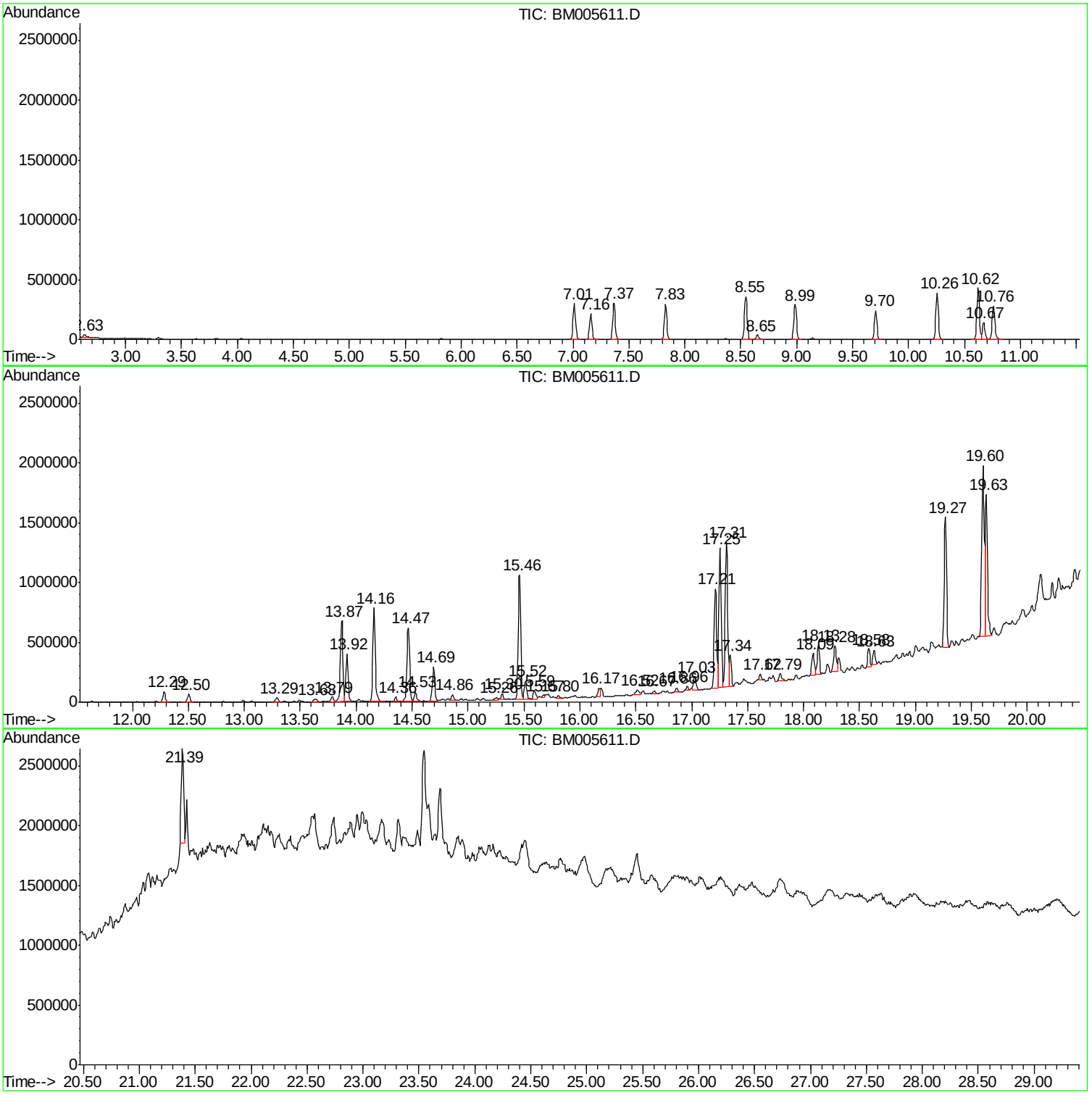
Data File : BM005611.D
Acq On : 23 May 2016 05:57
Operator : UM/SJ
Sample : H3087-15
Misc :
ALS Vial : 29 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
JHGK8

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM052016.M
Quant Title : SVOA CALIBRATION

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



Data Path : Z:\HPCHEM1\BNA_M\DATA\BM052216\
Data File : BM005611.D
Acq On : 23 May 2016 05:57
Operator : UM/SJ
Sample : H3087-15
Misc :
ALS Vial : 29 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : JHGK8

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM052016.M
Quant Title : SVOA CALIBRATION

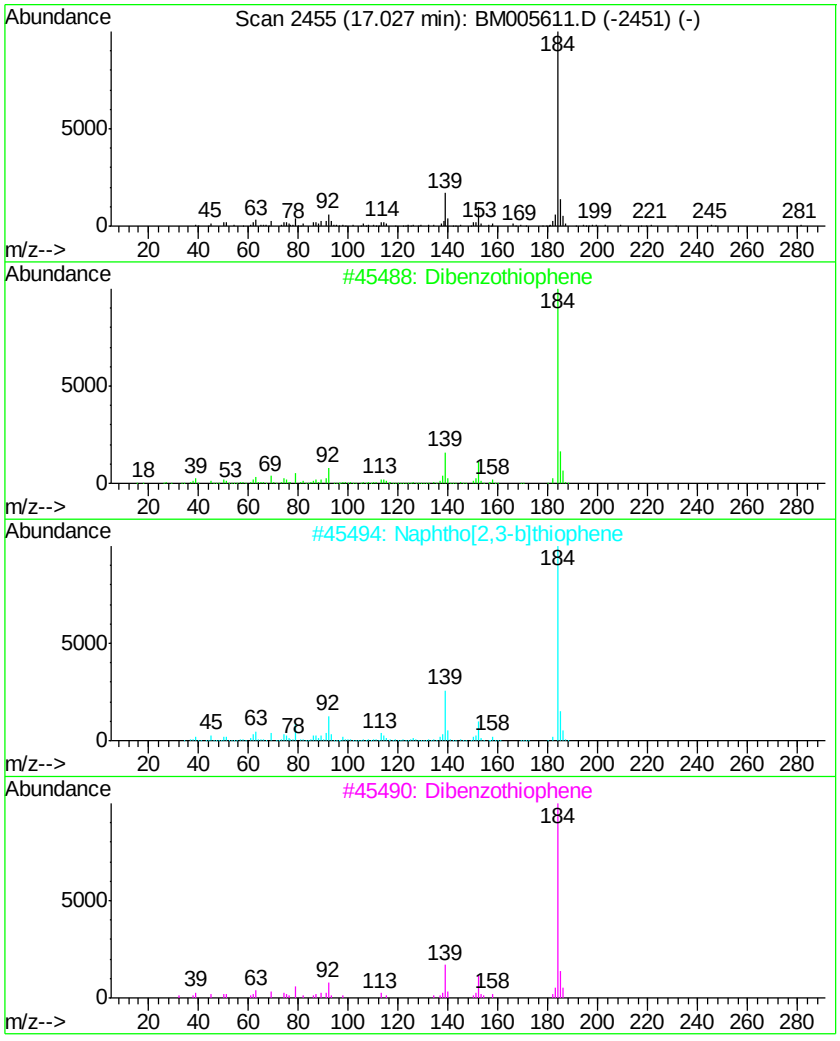
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

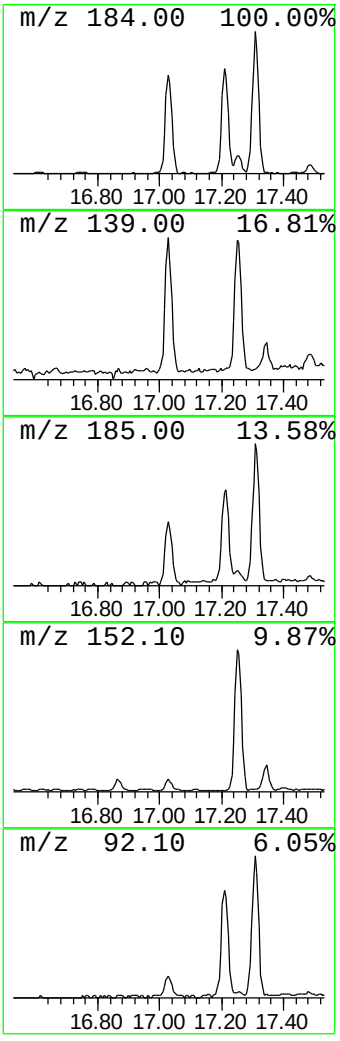
****

Peak Number 3 Dibenzothiophene Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.03	2.85 ng/ul	183692	Phenanthrene-d10	17.21

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dibenzothiophene	184	C12H8S	000132-65-0	96
2	Naphtho[2,3-b]thiophene	184	C12H8S	000268-77-9	94
3	Dibenzothiophene	184	C12H8S	000132-65-0	94
4	Dibenzothiophene	184	C12H8S	000132-65-0	94
5	Dibenzothiophene	184	C12H8S	000132-65-0	94





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Data File : BM005611.D
Acq On : 23 May 2016 05:57
Operator : UM/SJ
Sample : H3087-15
Misc :
ALS Vial : 29 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : JHGK8

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM052016.M
Quant Title : SVOA CALIBRATION

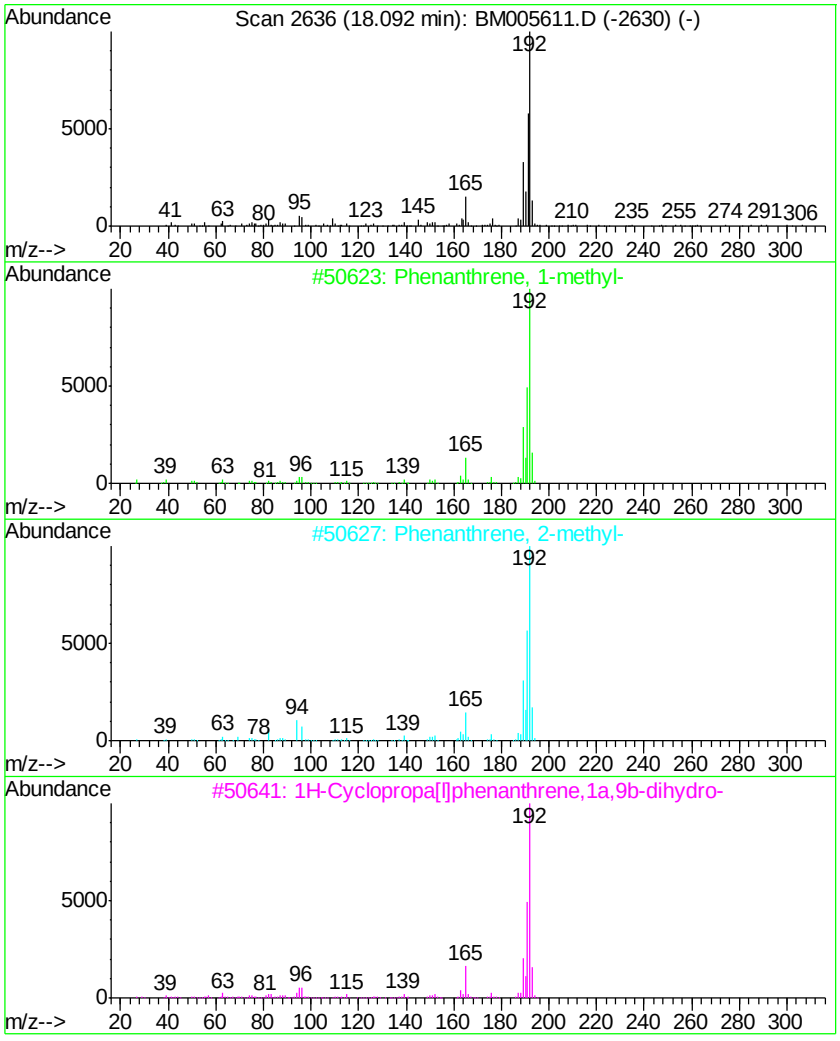
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

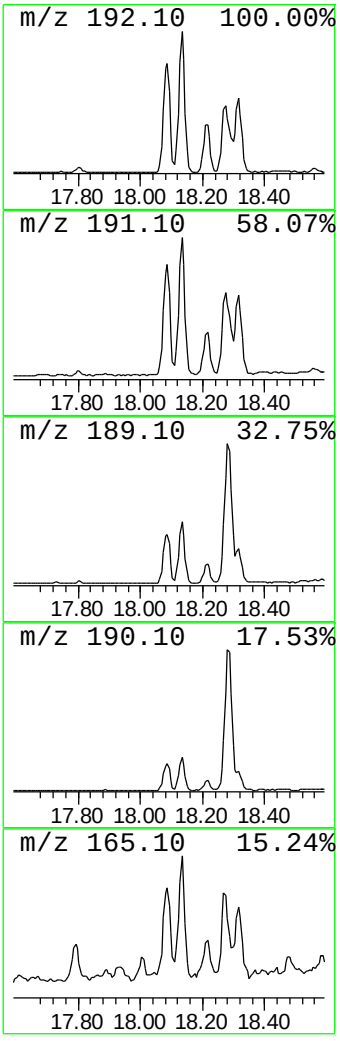
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.09	4.83 ng/ul	311672	Phenanthrene-d10	17.21

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	97
2	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	95
3	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	94
4	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	94
5	Anthracene, 2-methyl-	192	C15H12	000613-12-7	94





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM052216\
Data File : BM005611.D
Acq On : 23 May 2016 05:57
Operator : UM/SJ
Sample : H3087-15
Misc :
ALS Vial : 29 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : JHGK8

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM052016.M
Quant Title : SVOA CALIBRATION

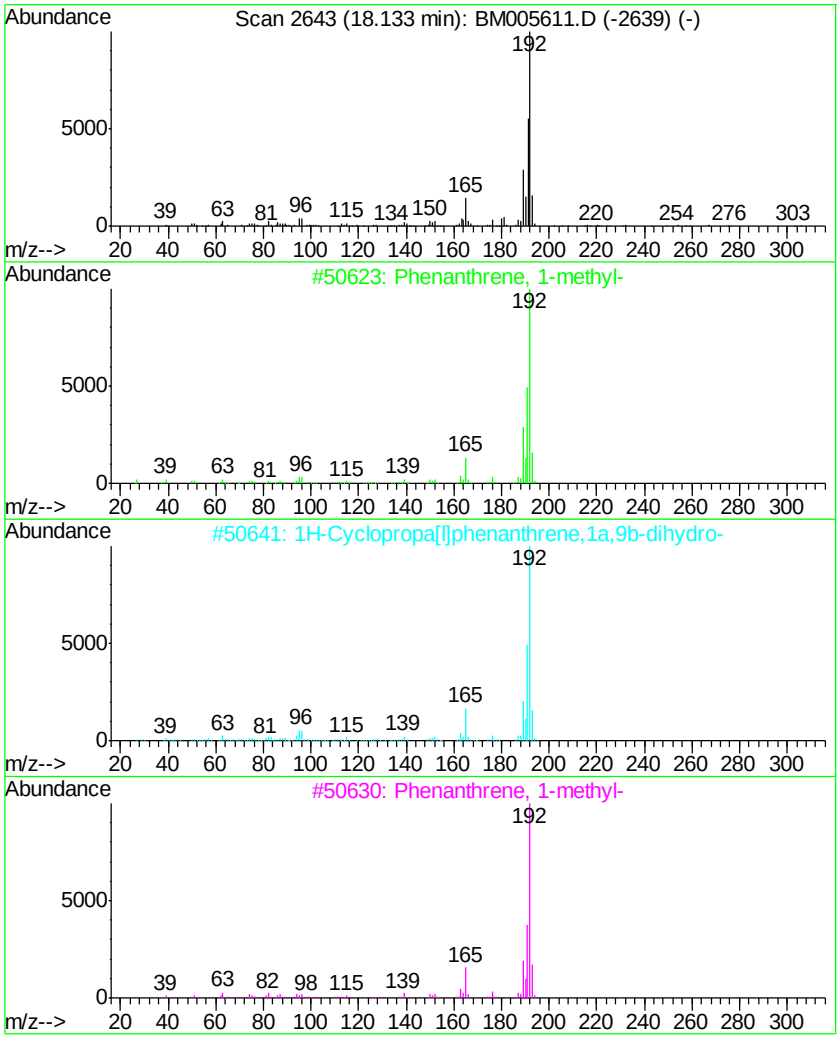
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

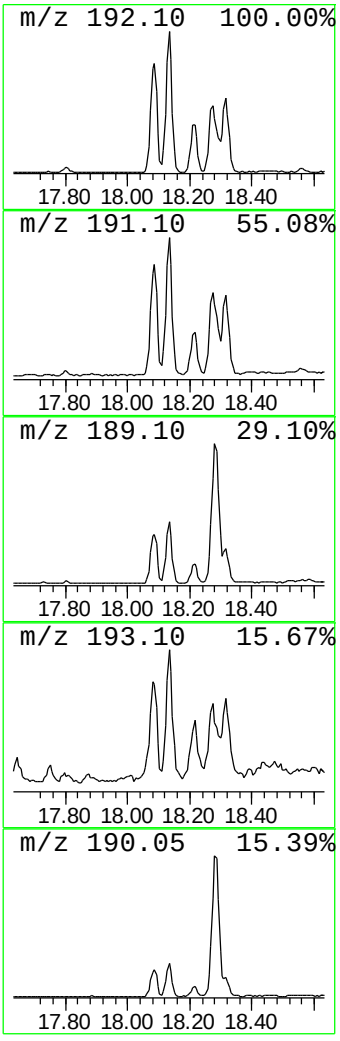
****

Peak Number 5 1H-Cyclopropa[l]phenanthren... Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.13	5.00 ng/ul	322347	Phenanthrene-d10	17.21

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	97
2	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	96
3	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	95
4	Anthracene, 2-methyl-	192	C15H12	000613-12-7	95
5	Anthracene, 2-methyl-	192	C15H12	000613-12-7	94





Library Search Compound Report

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Acq On : 23 May 2016 05:57
Operator : UM/SJ
Sample : H3087-15
Misc :
ALS Vial : 29 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : JHGK8

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM052016.M
Quant Title : SVOA CALIBRATION

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

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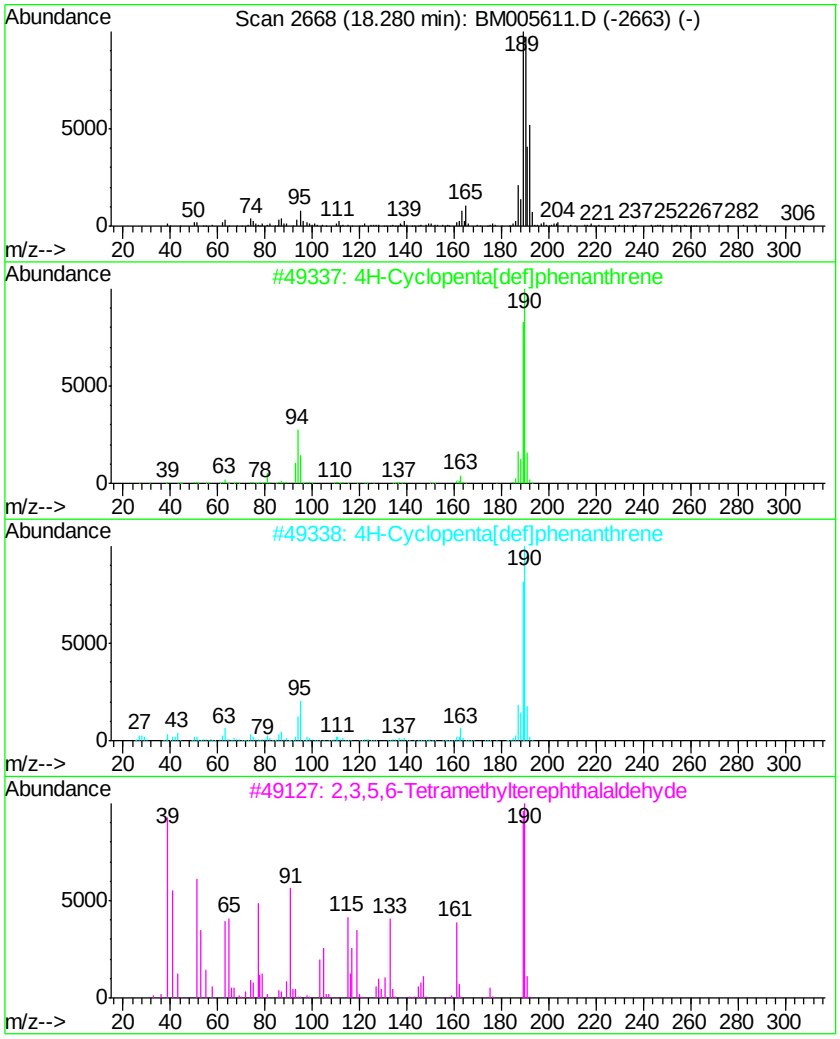
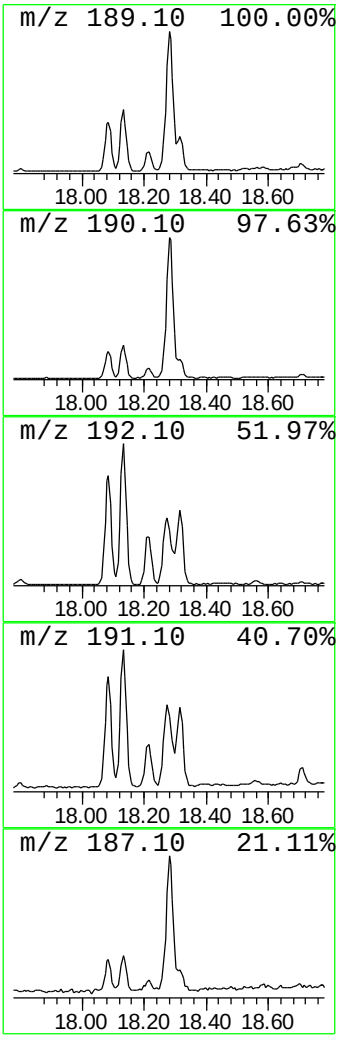
Peak Number 6 4H-Cyclopenta[def]phenanthrene Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.28	6.01 ng/ul	387761	Phenanthrene-d10	17.21

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	62
2	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	53
3	2,3,5,6-Tetramethylterephthalald...	190	C12H14O2	007072-01-7	43
4	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	38
5	3,5-Dichlorobenzoic acid	190	C7H4Cl2O2	000051-36-5	38





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Misc :
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Instrument : BNA_M
ClientSampleId : JHGK8

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM052016.M
Quant Title : SVOA CALIBRATION

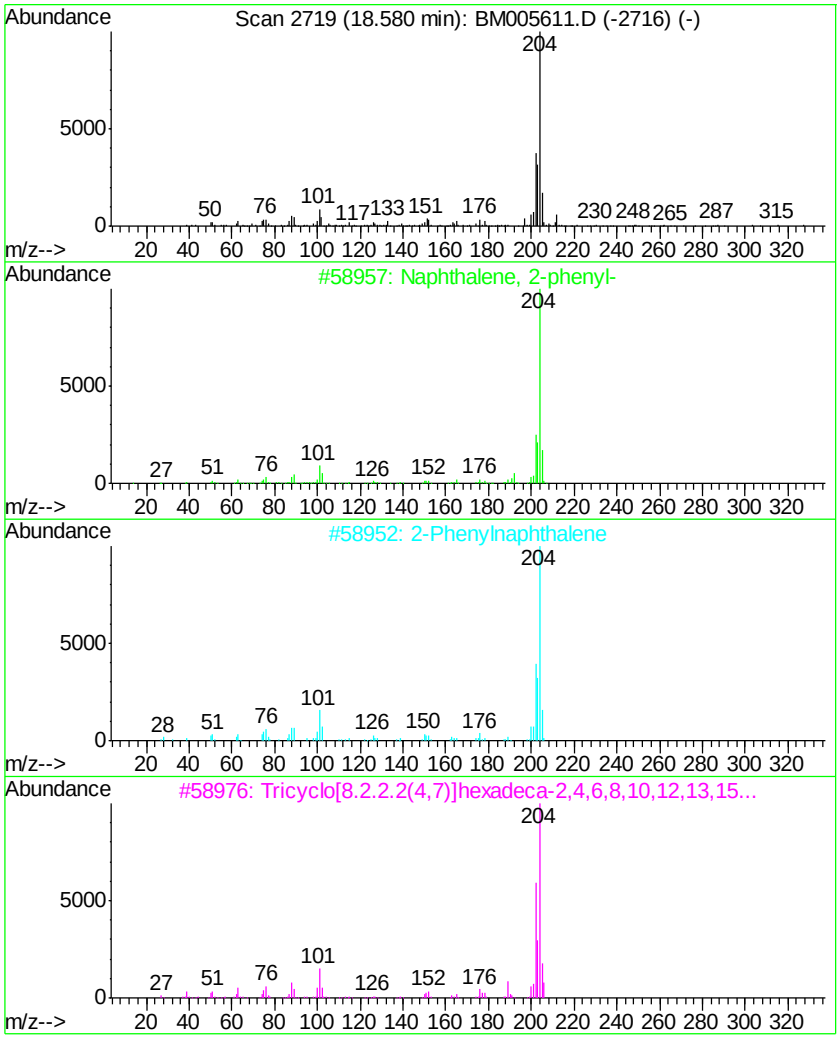
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

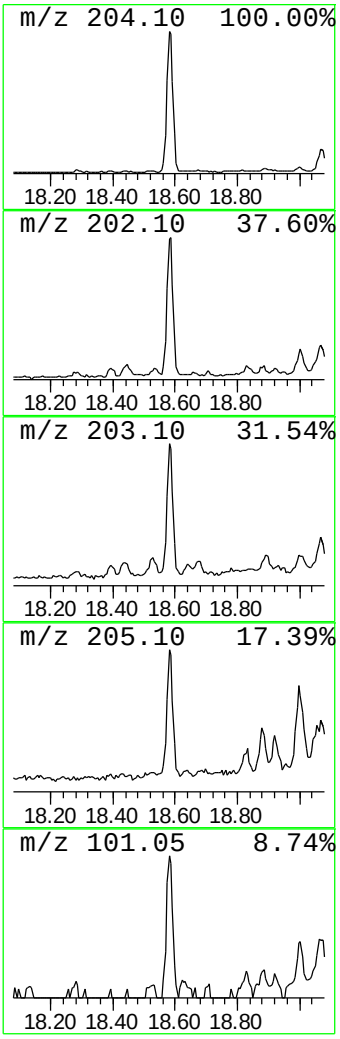
****

Peak Number 7 Naphthalene, 2-phenyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.58	3.06 ng/ul	197415	Phenanthrene-d10	17.21

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	86
2	2-Phenylnaphthalene	204	C16H12	035465-71-5	76
3	Tricyclo[8.2.2.2(4,7)]hexadeca-2...	204	C16H12	006572-60-7	76
4	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	76
5	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	74





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Sample : H3087-15
Misc :
ALS Vial : 29 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : JHGK8

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM052016.M
Quant Title : SVOA CALIBRATION

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

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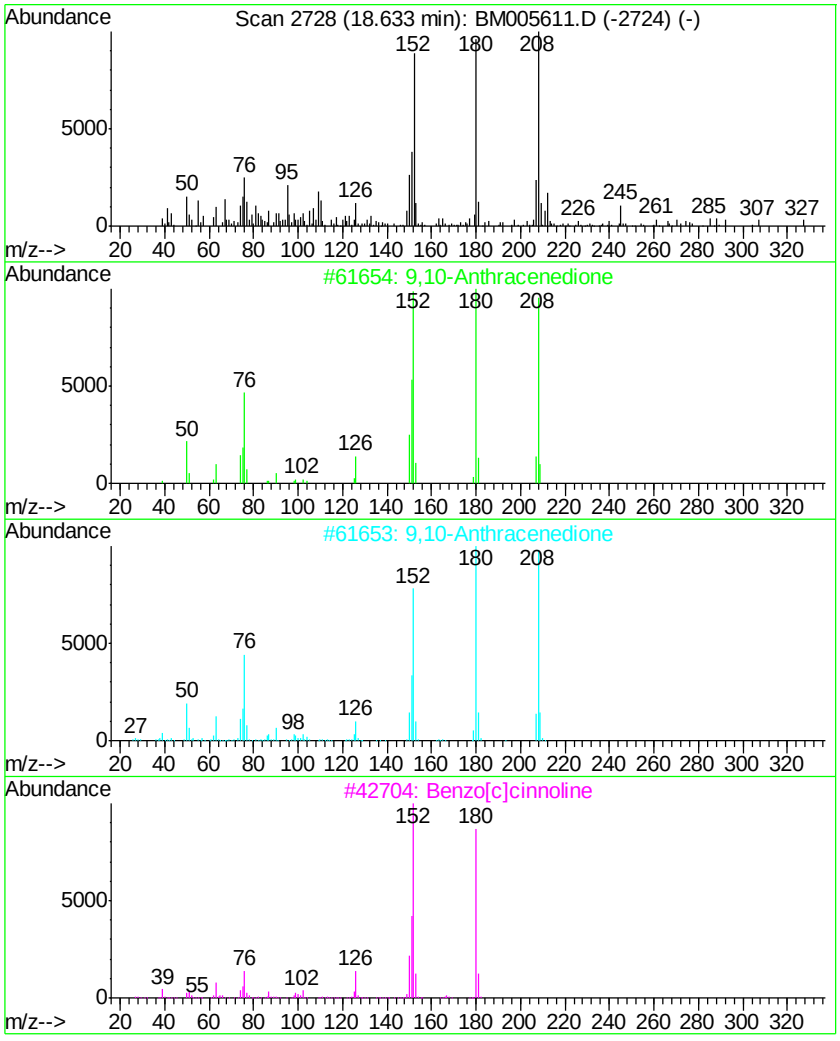
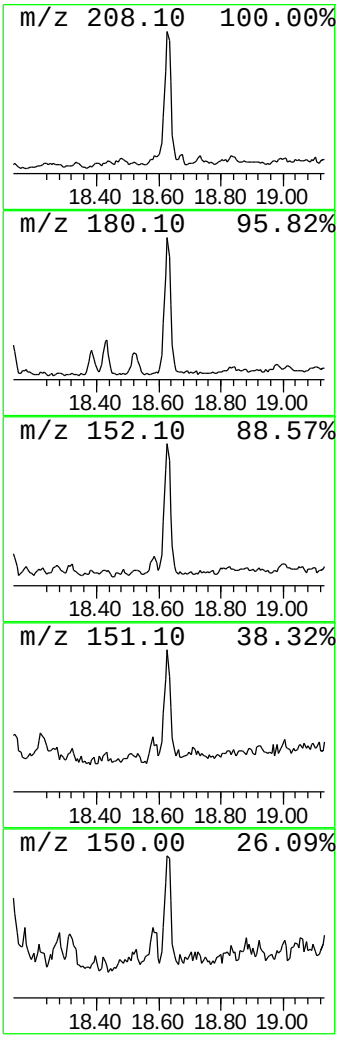
Peak Number 8 9,10-Anthracenedione Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.63	2.68 ng/ul	172554	Phenanthrene-d10	17.21

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9,10-Anthracenedione	208	C14H8O2	000084-65-1	96
2	9,10-Anthracenedione	208	C14H8O2	000084-65-1	95
3	Benzo[c]cinnoline	180	C12H8N2	000230-17-1	90
4	9H-Fluoren-9-one	180	C13H8O	000486-25-9	90
5	Anthraquinone-1-carboxylic acid	252	C15H8O4	000602-69-7	86





Tentatively Identified Compound (LSC) summary

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM052216\
Data File : BM005611.D
Acq On : 23 May 2016 05:57
Operator : UM/SJ
Sample : H3087-15
Misc :
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Instrument : BNA_M
ClientSampleId : JHGK8

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM052016.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
Dibenzothiophene	17.03	2.9	ng/ul	183692	4	17.21	1289410	20.0
Phenanthrene, 1-m...	18.09	4.8	ng/ul	311672	4	17.21	1289410	20.0
1H-Cyclopropa[l]p...	18.13	5.0	ng/ul	322347	4	17.21	1289410	20.0
4H-Cyclopenta[def...	18.28	6.0	ng/ul	387761	4	17.21	1289410	20.0
Naphthalene, 2-ph...	18.58	3.1	ng/ul	197415	4	17.21	1289410	20.0
9,10-Anthracenedione	18.63	2.7	ng/ul	172554	4	17.21	1289410	20.0