LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA G\DATA\BG081316\
Data File : BG023715.D
Acq On : 14 Aug 2016 8:57
Operator : UM/SJ
Sample : H4385-16DL 2X
Misc :
ALS Vial : 33 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : P002-SS004-1218-01DL

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	3.173	53	57	62	rVB5	20591	26845	0.76%	0.083%
2	3.261	70	72	80	rVB7	11647	18274	0.52%	0.056%
3	3.484	107	110	115	rVB3	11403	15100	0.43%	0.046%
4	3.919	181	184	186	rVB4	5727	5650	0.16%	0.017%
5	4.013	196	200	207	rVB4	18633	33578	0.96%	0.103%
6	4.072	207	210	212	rBV4	3623	5208	0.15%	0.016%
7	4.800	330	334	338	rBV4	5621	8757	0.25%	0.027%
8	5.176	395	398	401	rBV3	5064	7218	0.21%	0.022%
9	5.264	410	413	418	rVB6	5319	6729	0.19%	0.021%
10	5.646	476	478	481	rVB3	5376	7045	0.20%	0.022%
11	5.670	481	482	486	rBV2	5373	6229	0.18%	0.019%
12	7.268	748	754	771	rVB	241976	439568	12.52%	1.351%
13	7.426	775	781	790	rVV	193264	306451	8.73%	0.942%
14	7.644	809	818	830	rBV	233261	426909	12.16%	1.312%
15	8.114	891	898	909	rVB	486511	875471	24.93%	2.691%
16	8.830	1013	1020	1031	rBV2	252131	485200	13.81%	1.491%
17	9.288	1091	1098	1109	rBV	230519	440859	12.55%	1.355%
18	9.400	1113	1117	1120	rBV5	8368	13282	0.38%	0.041%
19	10.023	1215	1223	1232	rBV	200649	387326	11.03%	1.190%
20	10.575	1309	1317	1330	rBV2	264949	573757	16.34%	1.763%
21	10.951	1372	1381	1388	rBV	694090	1262314	35.94%	3.880%
22	11.092	1399	1405	1415	rBV2	167715	331244	9.43%	1.018%
23	11.380	1450	1454	1459	rVB3	3673	6134	0.17%	0.019%
24	11.756	1512	1518	1519	rBV5	5923	7189	0.20%	0.022%
25	12.049	1566	1568	1570	rBV3	4151	5271	0.15%	0.016%
26	12.531	1647	1650	1651	rBV2	5198	5827	0.17%	0.018%
27	12.602	1658	1662	1663	rBV3	5503	5614	0.16%	0.017%
28	12.837	1695	1702	1707	rVB5	5746	10788	0.31%	0.033%
29	13.072	1739	1742	1745	rBV4	4981	5490	0.16%	0.017%
30	13.236	1765	1770	1773	rVB6	4342	7694	0.22%	0.024%
31	13.377	1790	1794	1795	rBV4	9683	8488	0.24%	0.026%
32	13.577	1824	1828	1831	rBV4	4934	5487	0.16%	0.017%
33	13.659	1838	1842	1845	rVB4	5904	7958	0.23%	0.024%
34	13.718	1849	1852	1854	rBV3	4019	5239	0.15%	0.016%

LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA G\DATA\BG081316\
Data File : BG023715.D
Acq On : 14 Aug 2016 8:57
Operator : UM/SJ
Sample : H4385-16DL 2X
Misc :
ALS Vial : 33 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : P002-SS004-1218-01DL

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	13.812	1864	1868	1869	rBV2	4331	5412	0.15%	0.017%
36	13.959	1890	1893	1894	rBV2	6316	7356	0.21%	0.023%
37	14.105	1913	1918	1922	rVB6	14166	25405	0.72%	0.078%
38	14.182	1922	1931	1935	rBV	565049	877309	24.98%	2.696%
39	14.229	1935	1939	1946	rVB	397626	574929	16.37%	1.767%
40	14.335	1952	1957	1961	rBV7	8416	14581	0.42%	0.045%
41	14.481	1975	1982	1996	rBV	611496	1057337	30.11%	3.250%
42	14.652	2006	2011	2014	rBV3	14678	16219	0.46%	0.050%
43	14.787	2027	2034	2042	rBV2	1072344	1737962	49.48%	5.342%
44	15.010	2067	2072	2085	rBV2	155338	388581	11.06%	1.194%
45	15.157	2094	2097	2098	rBV3	8567	9843	0.28%	0.030%
46	15.263	2111	2115	2121	rVB5	19088	33236	0.95%	0.102%
47	15.398	2134	2138	2144	rBV7	15516	25791	0.73%	0.079%
48	15.562	2160	2166	2170	rBV9	17140	38161	1.09%	0.117%
49	15.609	2170	2174	2178	rVB2	35044	45903	1.31%	0.141%
50	15.662	2179	2183	2189	rBV5	12365	22000	0.63%	0.068%
51	15.785	2197	2204	2210	rBV	791594	1250529	35.61%	3.844%
52	15.915	2221	2226	2232	rBV2	201279	325631	9.27%	1.001%
53	15.997	2238	2240	2241	rBV2	11495	11059	0.31%	0.034%
54	16.238	2277	2281	2285	rBV6	7147	12882	0.37%	0.040%
55	16.285	2285	2289	2294	rVB8	11778	21544	0.61%	0.066%
56	16.473	2317	2321	2324	rBV3	42723	61098	1.74%	0.188%
57	16.808	2376	2378	2379	rBV2	11091	9304	0.26%	0.029%
58	17.072	2421	2423	2426	rBV4	10428	10401	0.30%	0.032%
59	17.207	2443	2446	2453	rVB5	23482	34592	0.98%	0.106%
60	17.272	2453	2457	2462	rBV3	41301	65988	1.88%	0.203%
61	17.325	2464	2466	2470	rVV4	16241	21170	0.60%	0.065%
62	17.372	2471	2474	2479	rVB	31957	40068	1.14%	0.123%
63	17.419	2480	2482	2486	rBV4	11972	11920	0.34%	0.037%
64	17.554	2498	2505	2509	rBV2	1275149	2015855	57.40%	6.196%
65	17.595	2509	2512	2516	rVV	343853	453818	12.92%	1.395%
66	17.654	2516	2522	2532	rVB	878716	1377903	39.23%	4.235%
67	18.071	2590	2593	2597	rVB	26852	25579	0.73%	0.079%
68	18.141	2601	2605	2611	rVB2	51470	81623	2.32%	0.251%
69	18.364	2638	2643	2646	rBV7	36004	55110	1.57%	0.169%
70	18.429	2649	2654	2659	rVV2	241057	457893	13.04%	1.407%
71	18.482	2659	2663	2670	rVV2	203108	321626	9.16%	0.989%

LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA G\DATA\BG081316\
Data File : BG023715.D
Acq On : 14 Aug 2016 8:57
Operator : UM/SJ
Sample : H4385-16DL 2X
Misc :
ALS Vial : 33 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : P002-SS004-1218-01DL

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	18.558	2673	2676	2681	rVV	51601	79108	2.25%	0.243%
73	18.623	2682	2687	2691	rVV4	170935	336281	9.57%	1.034%
74	18.664	2691	2694	2699	rVB2	129555	174046	4.96%	0.535%
75	18.928	2734	2739	2743	rBV2	103292	154105	4.39%	0.474%
76	19.222	2786	2789	2792	rBV	82954	85916	2.45%	0.264%
77	19.263	2793	2796	2800	rVB	68305	88563	2.52%	0.272%
78	19.339	2804	2809	2814	rBV	205529	358341	10.20%	1.101%
79	19.398	2815	2819	2823	rBV4	63860	121026	3.45%	0.372%
80	19.486	2829	2834	2846	rBV8	106301	286861	8.17%	0.882%
81	19.610	2850	2855	2860	rVB	793508	1132012	32.23%	3.479%
82	19.945	2906	2912	2915	rBV2	1150986	1901351	54.14%	5.844%
83	19.974	2915	2917	2924	rVV	944979	1142910	32.54%	3.513%
84	20.039	2925	2928	2933	rVB	123609	186071	5.30%	0.572%
85	20.620	3025	3027	3031	rVB	182255	224219	6.38%	0.689%
86	20.761	3048	3051	3056	rBV2	148812	223973	6.38%	0.688%
87	20.808	3057	3059	3070	rVB2	148727	237378	6.76%	0.730%
88	21.730	3211	3216	3222	rVB	2458904	3512131	100.00%	10.795%
89	21.877	3232	3241	3246	rBV2	1373656	3177015	90.46%	9.765%
90	25.284	3815	3821	3831	rVB	649378	1804881	51.39%	5.547%

Sum of corrected areas: 32535999

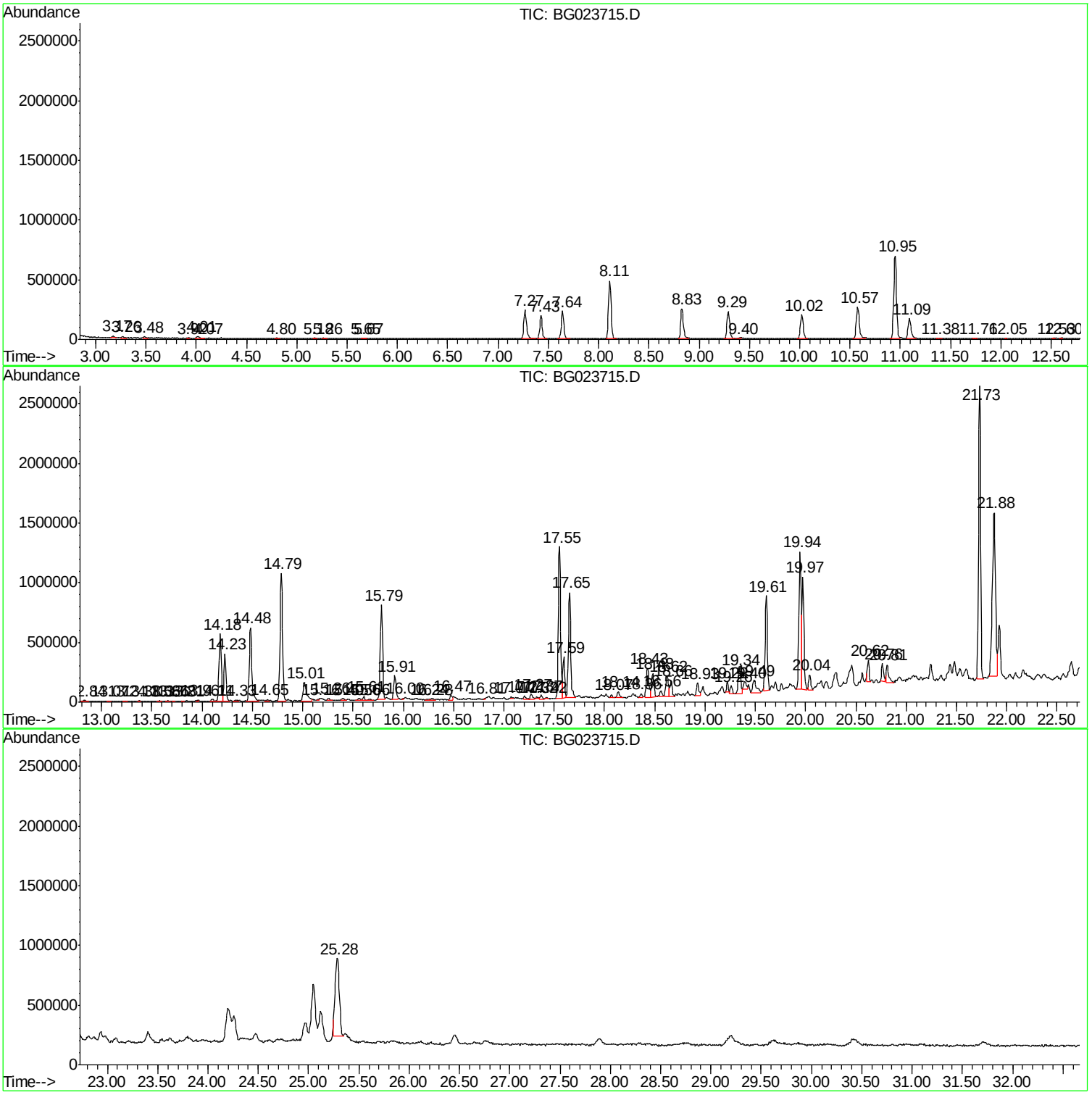
LSC Report - Integrated Chromatogram

Data Path : Z:\HPCHEM1\BNA G\DATA\BG081316\
Data File : BG023715.D
Acq On : 14 Aug 2016 8:57
Operator : UM/SJ
Sample : H4385-16DL 2X
Misc :
ALS Vial : 33 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
P002-SS004-1218-01DL

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 : BG023715.D
Acq On : 14 Aug 2016 8:57
Operator : UM/SJ
Sample : H4385-16DL 2X
Misc :
ALS Vial : 33 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : P002-SS004-1218-01DL

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

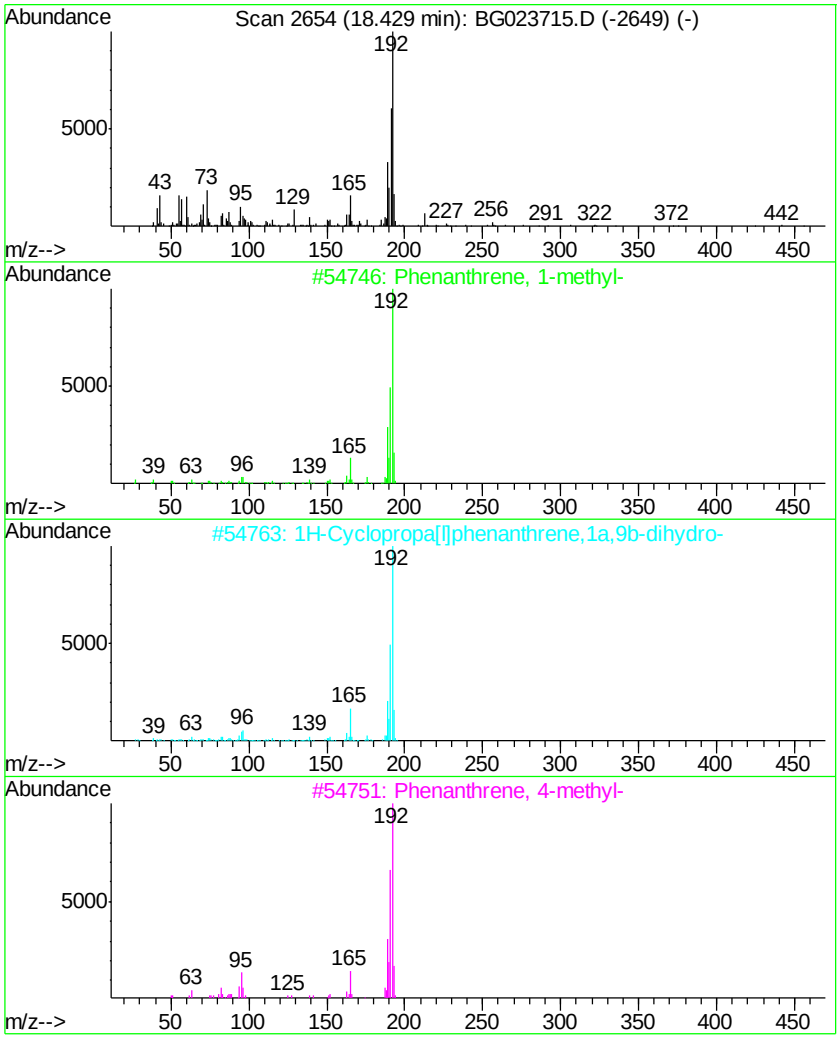
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

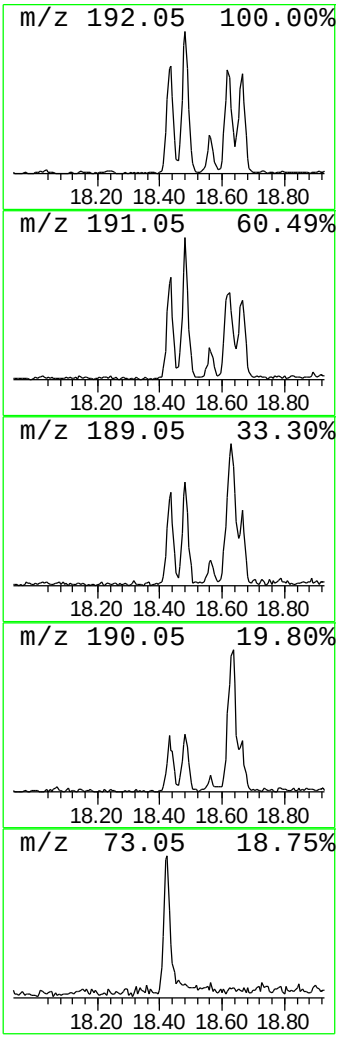
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.43	4.54 ng/ul	457893	Phenanthrene-d10	17.55

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	96
2	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	95
3	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	93
4	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	93
5	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	93





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA G\DATA\BG081316\
Data File : BG023715.D
Acq On : 14 Aug 2016 8:57
Operator : UM/SJ
Sample : H4385-16DL 2X
Misc :
ALS Vial : 33 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : P002-SS004-1218-01DL

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

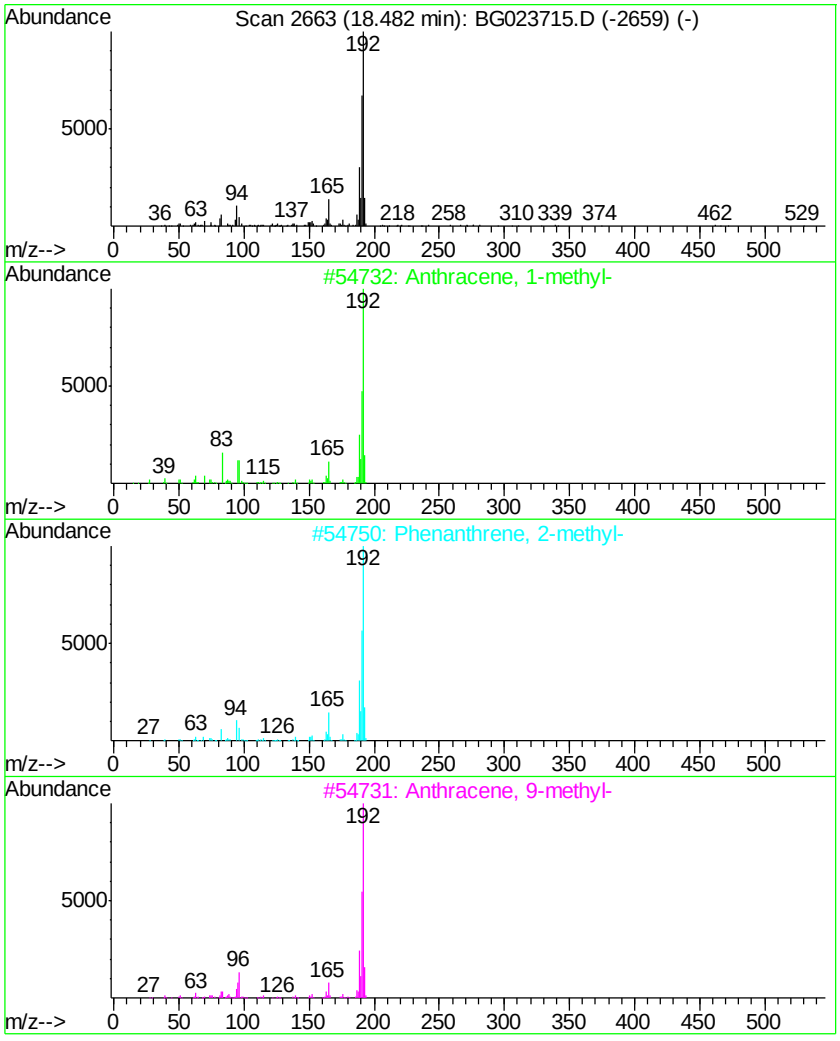
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

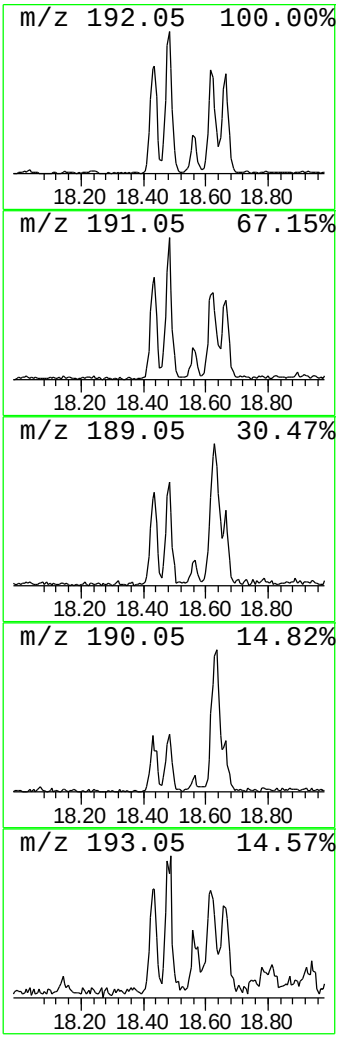
****

Peak Number 2 Anthracene, 1-methyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.48	3.19 ng/ul	321626	Phenanthrene-d10	17.55

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene, 1-methyl-	192	C15H12	000610-48-0	94
2	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	93
3	Anthracene, 9-methyl-	192	C15H12	000779-02-2	91
4	Anthracene, 2-methyl-	192	C15H12	000613-12-7	90
5	5H-Dibenzo[a,d]cycloheptene	192	C15H12	000256-81-5	90





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA G\DATA\BG081316\
Data File : BG023715.D
Acq On : 14 Aug 2016 8:57
Operator : UM/SJ
Sample : H4385-16DL 2X
Misc :
ALS Vial : 33 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : P002-SS004-1218-01DL

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

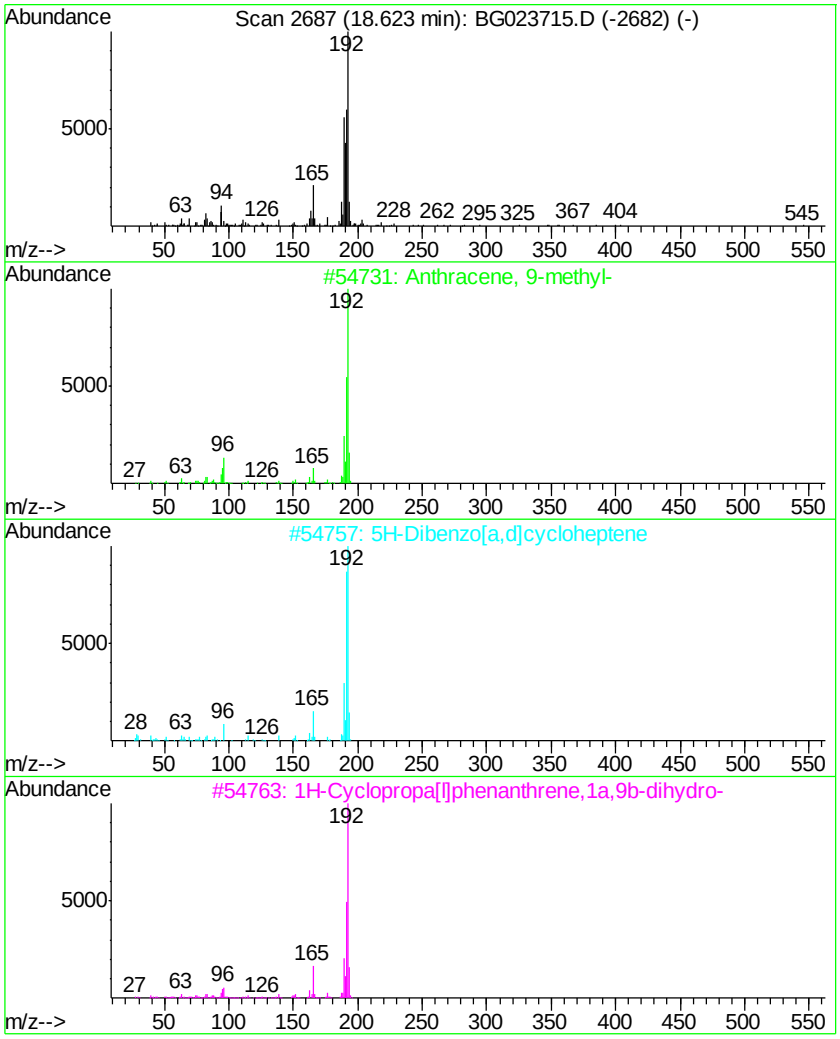
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

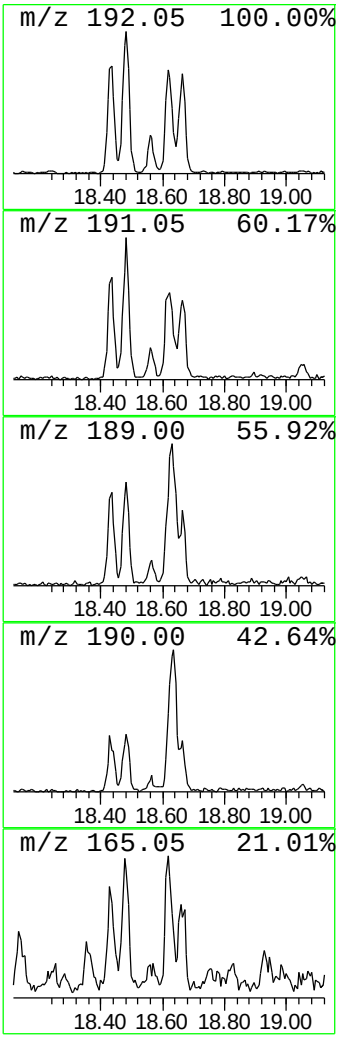
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.62	3.34 ng/ul	336281	Phenanthrene-d10	17.55

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene, 9-methyl-	192	C15H12	000779-02-2	64
2	5H-Dibenzo[a,d]cycloheptene	192	C15H12	000256-81-5	60
3	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	60
4	1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	60
5	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	60





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA G\DATA\BG081316\
Data File : BG023715.D
Acq On : 14 Aug 2016 8:57
Operator : UM/SJ
Sample : H4385-16DL 2X
Misc :
ALS Vial : 33 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : P002-SS004-1218-01DL

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

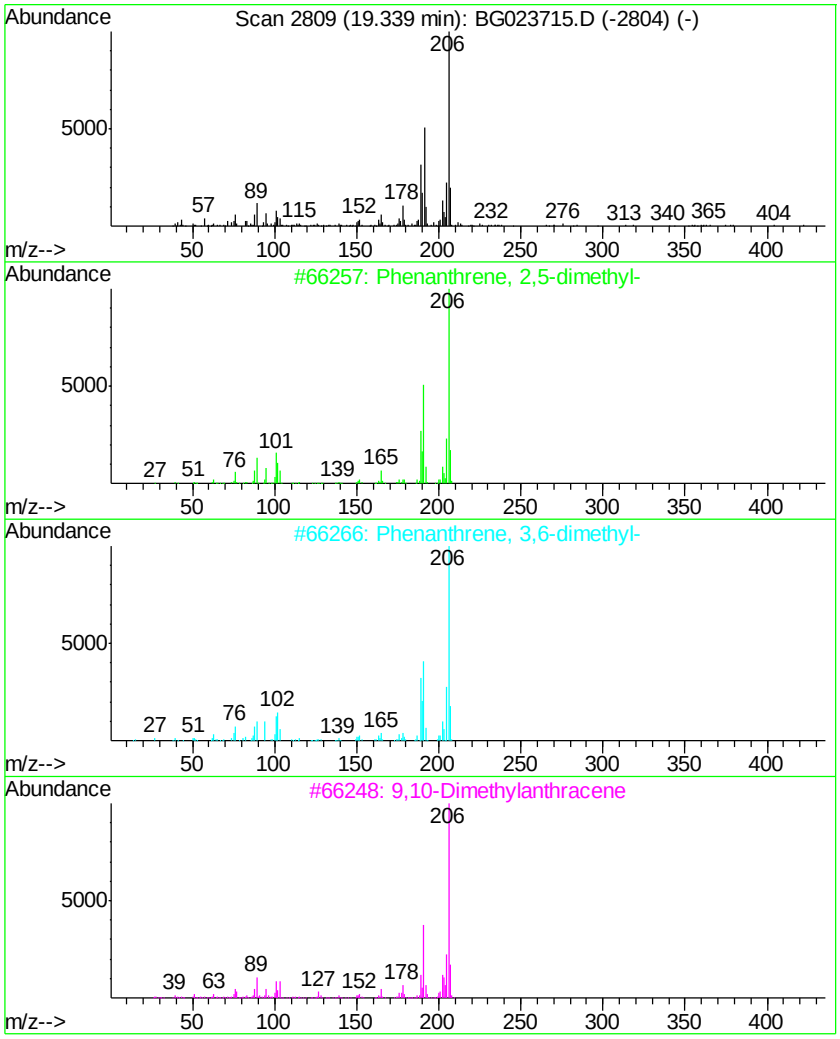
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

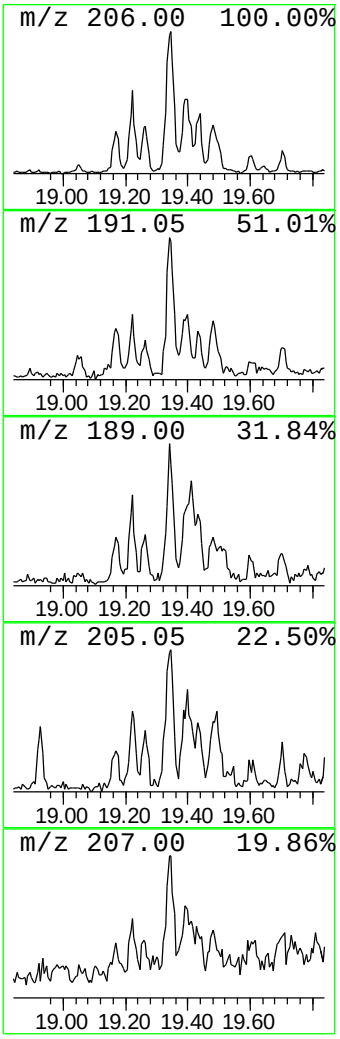
****

Peak Number 4 Phenanthrene, 2,5-dimethyl- Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.34	3.56 ng/ul	358341	Phenanthrene-d10	17.55

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





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA G\DATA\BG081316\
Data File : BG023715.D
Acq On : 14 Aug 2016 8:57
Operator : UM/SJ
Sample : H4385-16DL 2X
Misc :
ALS Vial : 33 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : P002-SS004-1218-01DL

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

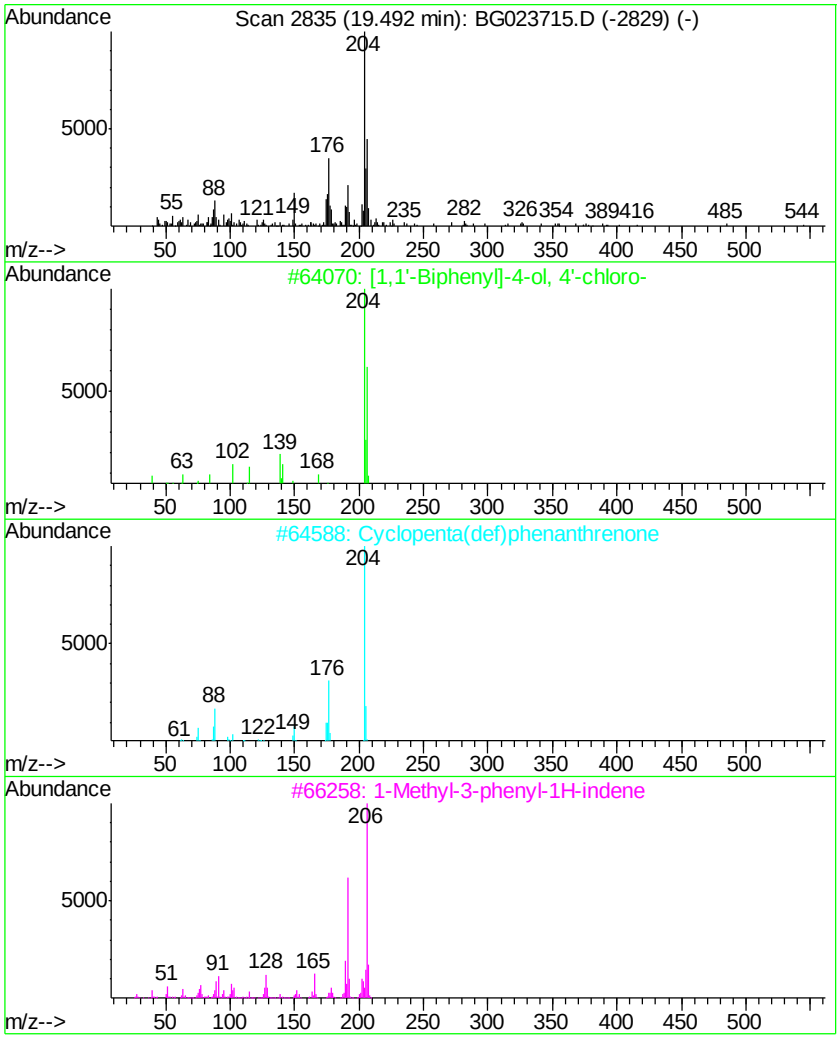
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

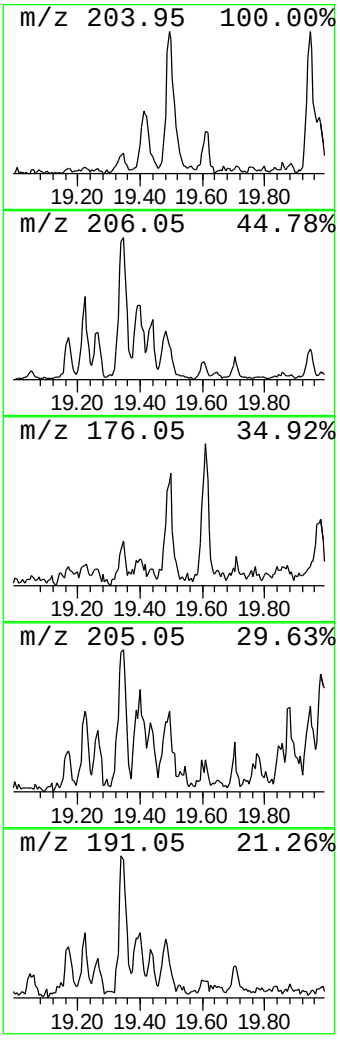
****

Peak Number 5 [1,1'-Biphenyl]-4-ol, 4'-ch... Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.49	2.85 ng/ul	286861	Phenanthrene-d10	17.55

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	[1,1'-Biphenyl]-4-ol, 4'-chloro-	204	C12H9ClO	028034-99-3	50
2	Cyclopenta(def)phenanthrenone	204	C15H8O	005737-13-3	45
3	1-Methyl-3-phenyl-1H-indene	206	C16H14	022360-62-9	45
4	[14]Annulene, 1,6:8,13-bis(metha...	206	C16H14	085385-68-8	41
5	3,4-Biphenyldicarbonitrile	204	C14H8N2	004128-63-6	38





Tentatively Identified Compound (LSC) summary

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG081316\
Data File : BG023715.D
Acq On : 14 Aug 2016 8:57
Operator : UM/SJ
Sample : H4385-16DL 2X
Misc :
ALS Vial : 33 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : P002-SS004-1218-01DL

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, 1-m...	18.43	4.5	ng/ul	457893	4	17.55	2015860	20.0
Anthracene, 1-met...	18.48	3.2	ng/ul	321626	4	17.55	2015860	20.0
Anthracene, 9-met...	18.62	3.3	ng/ul	336281	4	17.55	2015860	20.0
Phenanthrene, 2,5...	19.34	3.6	ng/ul	358341	4	17.55	2015860	20.0
[1,1'-Biphenyl]-4...	19.49	2.9	ng/ul	286861	4	17.55	2015860	20.0