LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA G\DATA\BG080615\
Data File : BG018305.D
Acq On : 6 Aug 2015 15:20
Operator : UM/TP
Sample : G3109-15DL 5X
Misc :
ALS Vial : 31 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : C01W3DL

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-BG080515.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	2.811	17	21	23	rVB4	3337	3029	0.31%	0.030%
2	2.923	38	40	42	rVB2	3115	2497	0.26%	0.025%
3	3.040	57	60	62	rBV2	1875	2307	0.24%	0.023%
4	3.117	72	73	76	rBV2	3483	2542	0.26%	0.025%
5	3.240	90	94	98	rVB3	5380	7293	0.75%	0.072%
6	3.428	122	126	129	rBV4	3281	5089	0.52%	0.050%
7	4.527	309	313	316	rVB2	2125	2932	0.30%	0.029%
8	5.438	466	468	471	rBV2	2807	3352	0.34%	0.033%
9	5.631	498	501	503	rBV2	2281	2466	0.25%	0.024%
10	5.778	523	526	529	rBV2	1666	2436	0.25%	0.024%
11	6.642	668	673	681	rBV	16441	25473	2.61%	0.251%
12	6.771	690	695	704	rVB2	11123	19049	1.95%	0.188%
13	6.971	723	729	736	rVB3	15303	26603	2.73%	0.263%
14	7.071	744	746	751	rVB	2672	3785	0.39%	0.037%
15	7.341	790	792	795	rBV	2382	2785	0.29%	0.027%
16	7.429	801	807	815	rVB	99294	149949	15.36%	1.480%
17	7.788	863	868	870	rBV	1681	2684	0.27%	0.026%
18	7.987	901	902	905	rVB	3262	2536	0.26%	0.025%
19	8.023	905	908	909	rBV	2585	2385	0.24%	0.024%
20	8.070	912	916	917	rBV	3014	3416	0.35%	0.034%
21	8.170	927	933	939	rVB4	12568	21716	2.22%	0.214%
22	8.587	997	1004	1009	rVB2	15453	25202	2.58%	0.249%
23	8.851	1044	1049	1050	rBV	1914	2503	0.26%	0.025%
24	8.939	1060	1064	1066	rVB	2068	2939	0.30%	0.029%
25	9.174	1101	1104	1107	rBV	2006	2412	0.25%	0.024%
26	9.304	1120	1126	1131	rBV	16315	23812	2.44%	0.235%
27	9.862	1215	1221	1229	rBV2	21275	34711	3.56%	0.343%
28	10.214	1273	1281	1286	rBV	130888	218055	22.34%	2.153%
29	10.267	1286	1290	1296	rVB2	14530	23157	2.37%	0.229%
30	11.054	1421	1424	1427	rVV2	2183	2343	0.24%	0.023%
31	11.895	1559	1567	1574	rBV	16444	25009	2.56%	0.247%
32	12.012	1585	1587	1589	rBV	2760	2850	0.29%	0.028%
33	12.118	1601	1605	1606	rBV3	8693	10600	1.09%	0.105%
34	12.647	1692	1695	1699	rVB2	2933	4184	0.43%	0.041%

LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA G\DATA\BG080615\
Data File : BG018305.D
Acq On : 6 Aug 2015 15:20
Operator : UM/TP
Sample : G3109-15DL 5X
Misc :
ALS Vial : 31 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : C01W3DL

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-BG080515.M
Title : SVOA CALIBRATION

35	12.935	1740	1744	1749	rVB3	6638	8934	0.92%	0.088%
36	13.129	1773	1777	1784	rVV4	4300	10557	1.08%	0.104%
37	13.270	1797	1801	1802	rBV3	7299	8184	0.84%	0.081%
38	13.287	1802	1804	1809	rVB2	9248	11033	1.13%	0.109%
39	13.428	1823	1828	1834	rVV2	12661	24478	2.51%	0.242%
40	13.487	1834	1838	1841	rVV3	8706	14297	1.46%	0.141%
41	13.528	1841	1845	1850	rVV2	45763	64109	6.57%	0.633%
42	13.575	1850	1853	1856	rVV2	18163	24634	2.52%	0.243%
43	13.604	1856	1858	1864	rVV4	6956	8624	0.88%	0.085%
44	13.663	1864	1868	1873	rVV4	7973	12588	1.29%	0.124%
45	13.698	1873	1874	1878	rVB2	3188	3147	0.32%	0.031%
46	13.804	1885	1892	1896	rBV2	42392	66402	6.80%	0.656%
47	14.033	1926	1931	1936	rBV4	3775	6786	0.70%	0.067%
48	14.116	1936	1945	1951	rBV2	232806	348759	35.73%	3.443%
49	14.174	1951	1955	1966	rVB	61167	92737	9.50%	0.916%
50	14.257	1966	1969	1972	rVB3	3636	3444	0.35%	0.034%
51	14.380	1988	1990	1993	rBV4	5683	7620	0.78%	0.075%
52	14.515	2008	2013	2019	rVB	42414	66404	6.80%	0.656%
53	14.597	2023	2027	2032	rBV7	6256	10610	1.09%	0.105%
54	14.656	2035	2037	2039	rBV3	4707	4469	0.46%	0.044%
55	14.744	2048	2052	2056	rBV3	6702	11361	1.16%	0.112%
56	14.791	2058	2060	2064	rVB3	7967	9772	1.00%	0.096%
57	14.897	2075	2078	2081	rBV4	6708	10869	1.11%	0.107%
58	15.114	2111	2115	2120	rVB	52976	74763	7.66%	0.738%
59	15.173	2120	2125	2129	rVB	96213	135076	13.84%	1.334%
60	15.208	2129	2131	2134	rBV3	5369	7629	0.78%	0.075%
61	15.267	2137	2141	2143	rBV3	19034	24389	2.50%	0.241%
62	15.297	2144	2146	2149	rVB2	17184	15552	1.59%	0.154%
63	15.332	2149	2152	2156	rVB2	17298	21627	2.22%	0.214%
64	15.385	2158	2161	2165	rBV6	12342	22026	2.26%	0.217%
65	15.467	2173	2175	2184	rVB	23878	39705	4.07%	0.392%
66	15.620	2197	2201	2209	rVB2	24578	44509	4.56%	0.439%
67	15.972	2256	2261	2264	rBV4	16448	26170	2.68%	0.258%
68	16.037	2268	2272	2278	rVB8	14500	24873	2.55%	0.246%
69	16.231	2302	2305	2311	rVB5	20125	29678	3.04%	0.293%
70	16.301	2311	2317	2319	rBV7	12759	23988	2.46%	0.237%
71	16.525	2353	2355	2360	rVB6	10987	12941	1.33%	0.128%

LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA G\DATA\BG080615\
Data File : BG018305.D
Acq On : 6 Aug 2015 15:20
Operator : UM/TP
Sample : G3109-15DL 5X
Misc :
ALS Vial : 31 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : C01W3DL

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-BG080515.M
Title : SVOA CALIBRATION

72	16.695	2380	2384	2388	rVB	57199	68756	7.04%	0.679%
73	16.877	2409	2415	2418	rBV	273234	408629	41.86%	4.034%
74	16.918	2418	2422	2427	rVV	763106	976069	100.00%	9.637%
75	16.977	2427	2432	2434	rVV2	66654	107719	11.04%	1.064%
76	17.006	2434	2437	2442	rVB	180250	227804	23.34%	2.249%
77	17.288	2482	2485	2497	rVB	30907	56968	5.84%	0.562%
78	17.394	2500	2503	2506	rBV4	17032	18736	1.92%	0.185%
79	17.459	2510	2514	2518	rBV4	24568	47846	4.90%	0.472%
80	17.529	2522	2526	2529	rVB	43863	54532	5.59%	0.538%
81	17.753	2560	2564	2568	rVV	97867	125300	12.84%	1.237%
82	17.800	2568	2572	2578	rVB	141622	195768	20.06%	1.933%
83	17.946	2592	2597	2601	rBV3	167128	291032	29.82%	2.873%
84	18.170	2630	2635	2640	rBV4	61841	102976	10.55%	1.017%
85	18.264	2648	2651	2654	rVB	55454	63537	6.51%	0.627%
86	18.505	2687	2692	2698	rVB	564451	749306	76.77%	7.398%
87	18.646	2712	2716	2720	rBV	148210	173896	17.82%	1.717%
88	18.951	2763	2768	2773	rBV	597911	779277	79.84%	7.694%
89	19.010	2774	2778	2783	rVB	491919	617145	63.23%	6.093%
90	19.292	2821	2826	2827	rBV2	159313	213543	21.88%	2.108%
91	19.321	2827	2831	2840	rVB2	634621	893932	91.58%	8.826%
92	19.744	2899	2903	2906	rVB	124601	150883	15.46%	1.490%
93	19.921	2930	2933	2937	rVB	77171	83189	8.52%	0.821%
94	20.814	3083	3085	3089	rVB3	101968	105004	10.76%	1.037%
95	21.084	3126	3131	3135	rBV2	290657	520607	53.34%	5.140%
96	21.125	3135	3138	3145	rVB	167403	214886	22.02%	2.122%
97	21.248	3156	3159	3163	rVB2	103892	123807	12.68%	1.222%
98	21.671	3228	3231	3235	rVB2	146596	168091	17.22%	1.660%
99	22.112	3304	3306	3314	rVB	160904	205464	21.05%	2.029%
100	22.606	3386	3390	3395	rBV3	242458	379142	38.84%	3.743%

Sum of corrected areas: 10128689

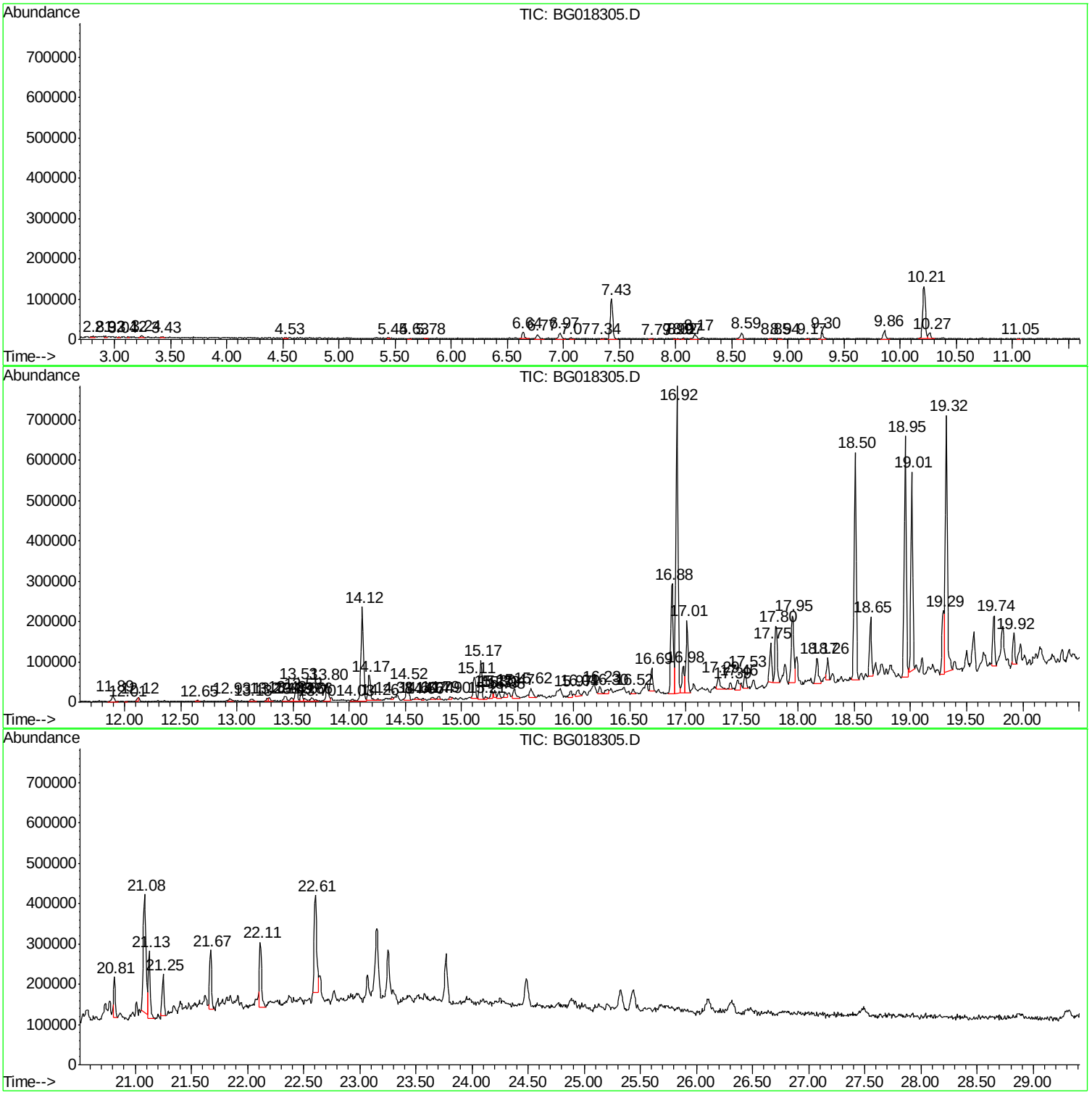
LSC Report - Integrated Chromatogram

Data Path : Z:\HPCHEM1\BNA G\DATA\BG080615\
Data File : BG018305.D
Acq On : 6 Aug 2015 15:20
Operator : UM/TP
Sample : G3109-15DL 5X
Misc :
ALS Vial : 31 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : C01W3DL

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG080515.M
Quant Title : SVOA CALIBRATION

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



Data Path : Z:\HPCHEM1\BNA G\DATA\BG080615\
Data File : BG018305.D
Acq On : 6 Aug 2015 15:20
Operator : UM/TP
Sample : G3109-15DL 5X
Misc :
ALS Vial : 31 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : C01W3DL

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG080515.M
Quant Title : SVOA CALIBRATION

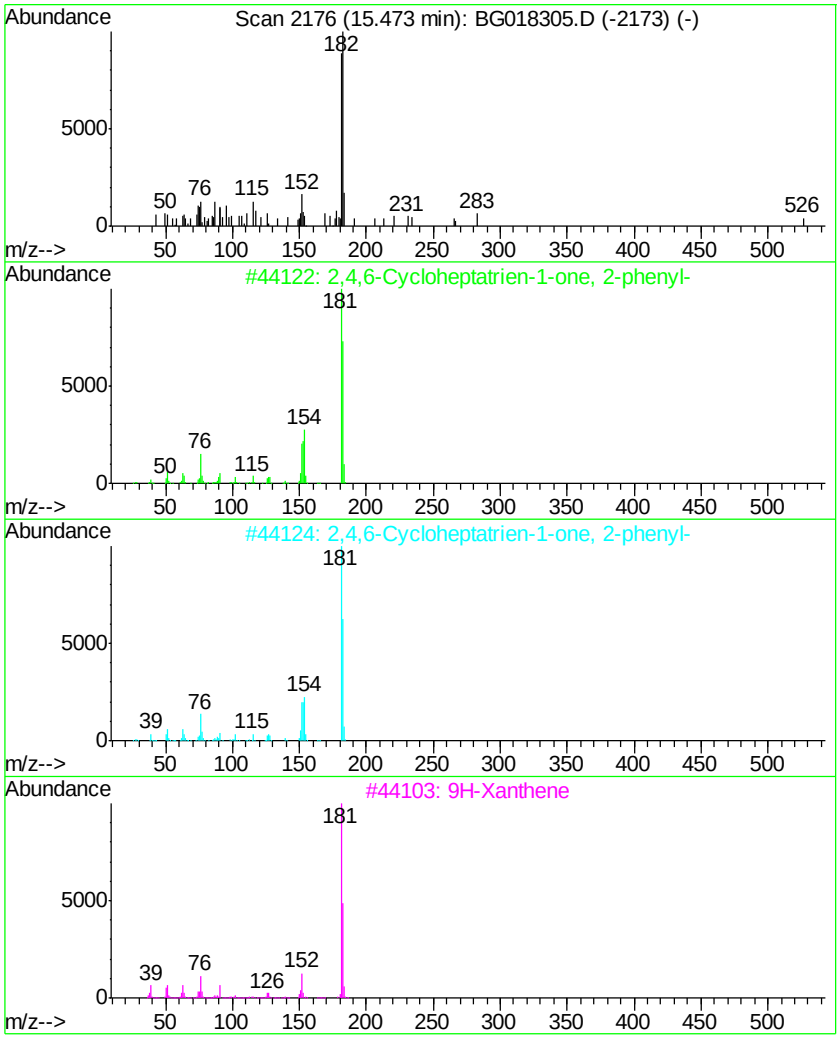
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

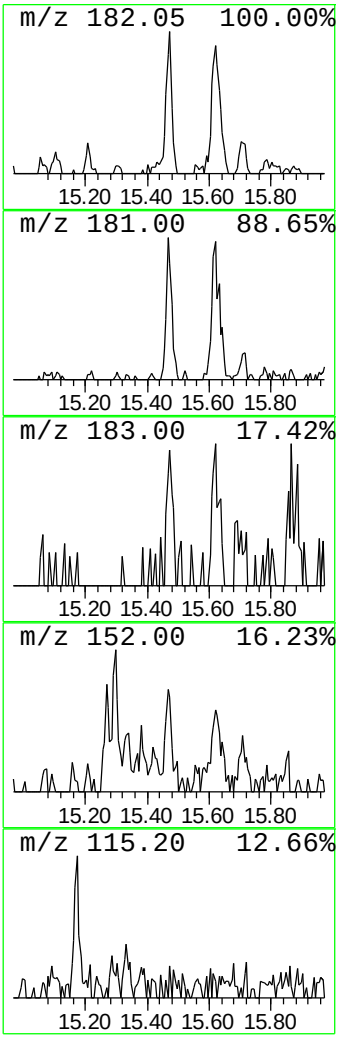
****

Peak Number 1 2,4,6-Cycloheptatrien-1-one... Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.47	2.28 ng/ul	39705	Acenaphthene-d10	14.12

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2,4,6-Cycloheptatrien-1-one, 2-p...	182	C13H10O	014562-09-5	74
2	2,4,6-Cycloheptatrien-1-one, 2-p...	182	C13H10O	014562-09-5	72
3	9H-Xanthene	182	C13H10O	000092-83-1	64
4	9H-Fluoren-9-ol	182	C13H10O	001689-64-1	64
5	9H-Xanthene	182	C13H10O	000092-83-1	64





Data Path : Z:\HPCHEM1\BNA G\DATA\BG080615\
Data File : BG018305.D
Acq On : 6 Aug 2015 15:20
Operator : UM/TP
Sample : G3109-15DL 5X
Misc :
ALS Vial : 31 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : C01W3DL

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG080515.M
Quant Title : SVOA CALIBRATION

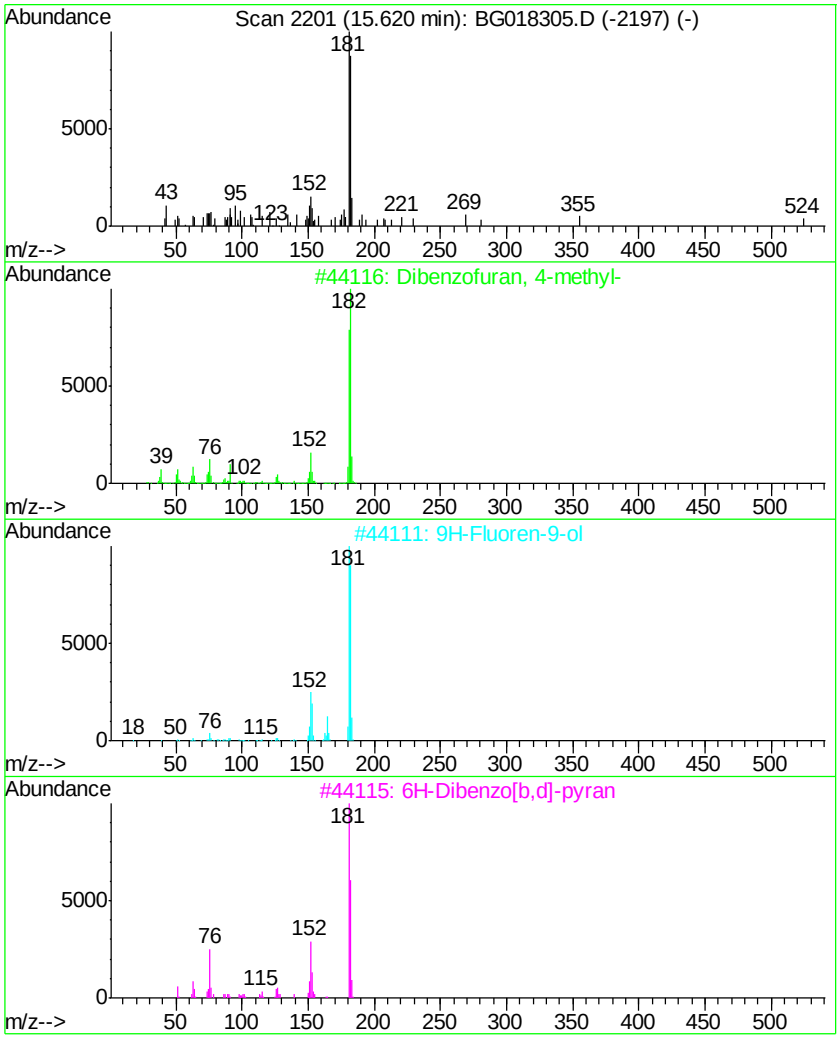
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

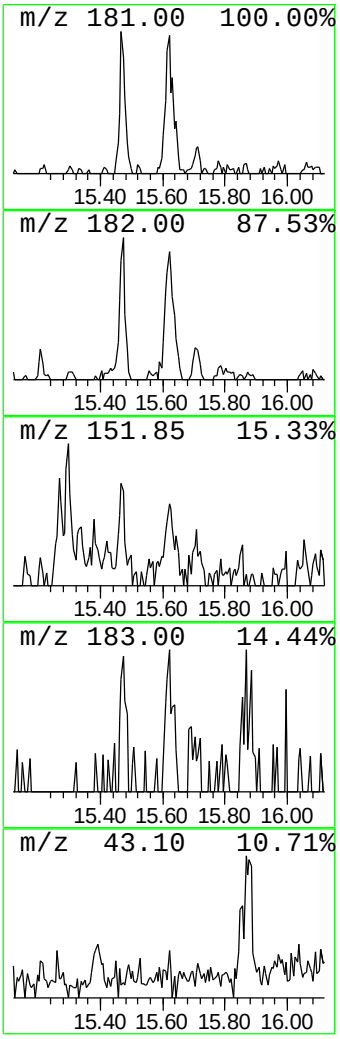
****

Peak Number 2 Dibenzofuran, 4-methyl- Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.62	2.18 ng/ul	44509	Phenanthrene-d10	16.88

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dibenzofuran, 4-methyl-	182	C13H10O	007320-53-8	87
2	9H-Fluoren-9-ol	182	C13H10O	001689-64-1	80
3	6H-Dibenzo[b,d]-pyran	182	C13H10O	000229-95-8	72
4	9H-Fluoren-9-ol	182	C13H10O	001689-64-1	64
5	Pyridine, 4,4'-(1,2-ethenediyl)bis-	182	C12H10N2	001135-32-6	64





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA G\DATA\BG080615\
Data File : BG018305.D
Acq On : 6 Aug 2015 15:20
Operator : UM/TP
Sample : G3109-15DL 5X
Misc :
ALS Vial : 31 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : C01W3DL

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG080515.M
Quant Title : SVOA CALIBRATION

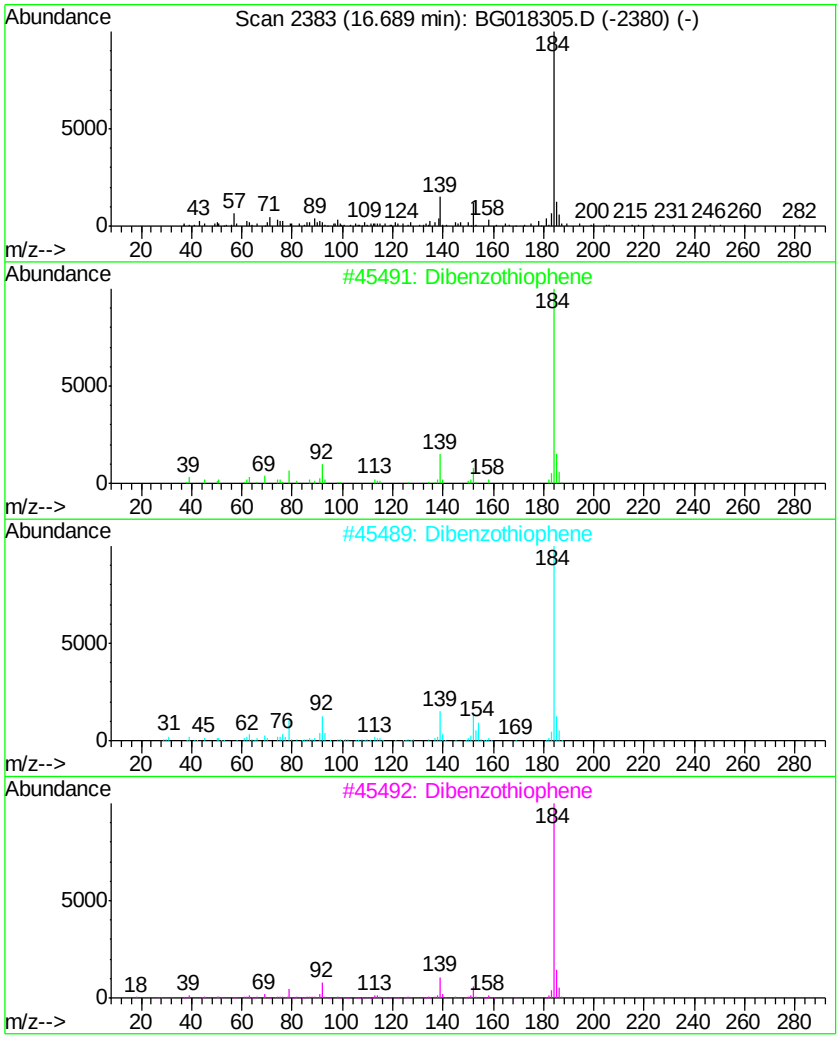
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

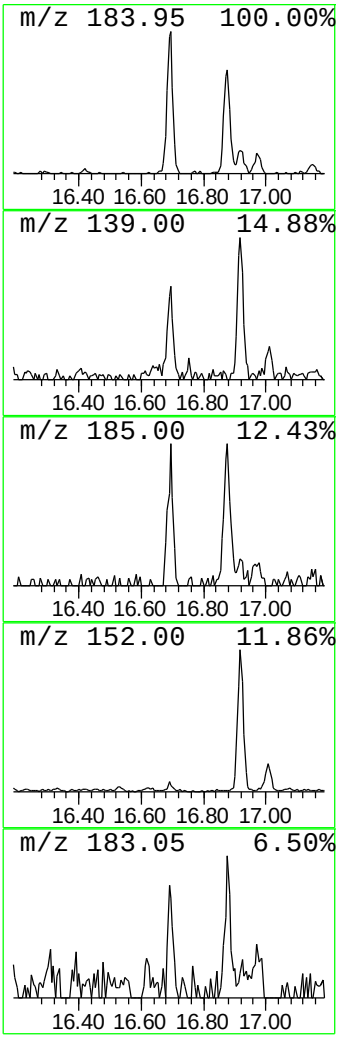
****

Peak Number 3 Dibenzothiophene Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.69	3.37 ng/ul	68756	Phenanthrene-d10	16.88

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dibenzothiophene	184	C12H8S	000132-65-0	90
2	Dibenzothiophene	184	C12H8S	000132-65-0	87
3	Dibenzothiophene	184	C12H8S	000132-65-0	87
4	Naphtho[2,3-b]thiophene	184	C12H8S	000268-77-9	86
5	Dibenzothiophene	184	C12H8S	000132-65-0	83





Data Path : Z:\HPCHEM1\BNA G\DATA\BG080615\
Data File : BG018305.D
Acq On : 6 Aug 2015 15:20
Operator : UM/TP
Sample : G3109-15DL 5X
Misc :
ALS Vial : 31 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : C01W3DL

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG080515.M
Quant Title : SVOA CALIBRATION

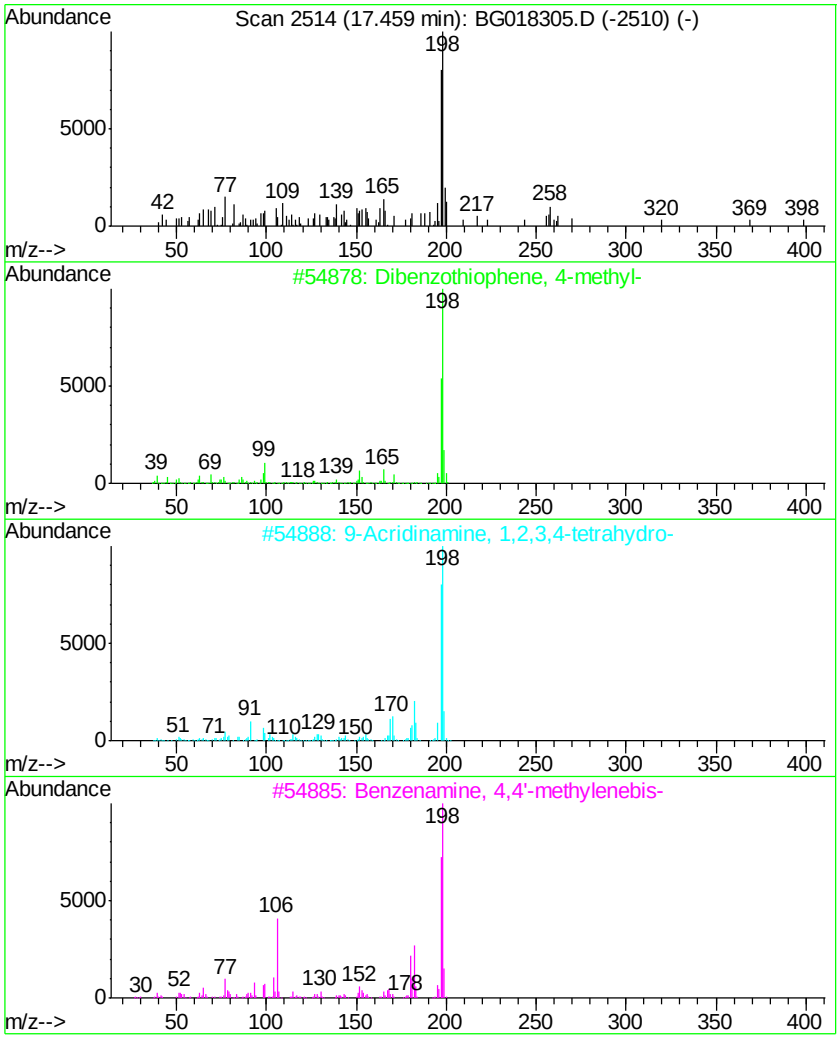
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

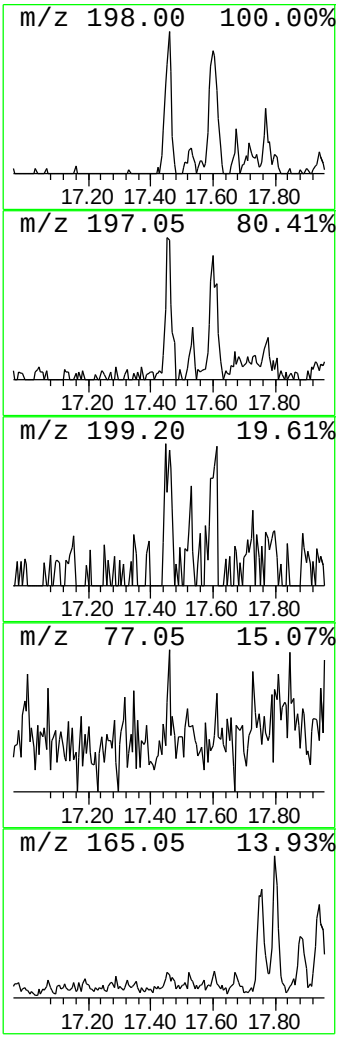
****

Peak Number 4 Dibenzothiophene, 4-methyl- Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.46	2.34 ng/ul	47846	Phenanthrene-d10	16.88

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dibenzothiophene, 4-methyl-	198	C13H10S	007372-88-5	80
2	9-Acridinamine, 1,2,3,4-tetrahydro-	198	C13H14N2	000321-64-2	72
3	Benzenamine, 4,4'-methylenebis-	198	C13H14N2	000101-77-9	72
4	9-Acridinamine, 1,2,3,4-tetrahydro-	198	C13H14N2	000321-64-2	72
5	Pyridine, 4-(4-dimethylaminophen...	198	C13H14N2	001137-80-0	64





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA G\DATA\BG080615\
Data File : BG018305.D
Acq On : 6 Aug 2015 15:20
Operator : UM/TP
Sample : G3109-15DL 5X
Misc :
ALS Vial : 31 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : C01W3DL

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG080515.M
Quant Title : SVOA CALIBRATION

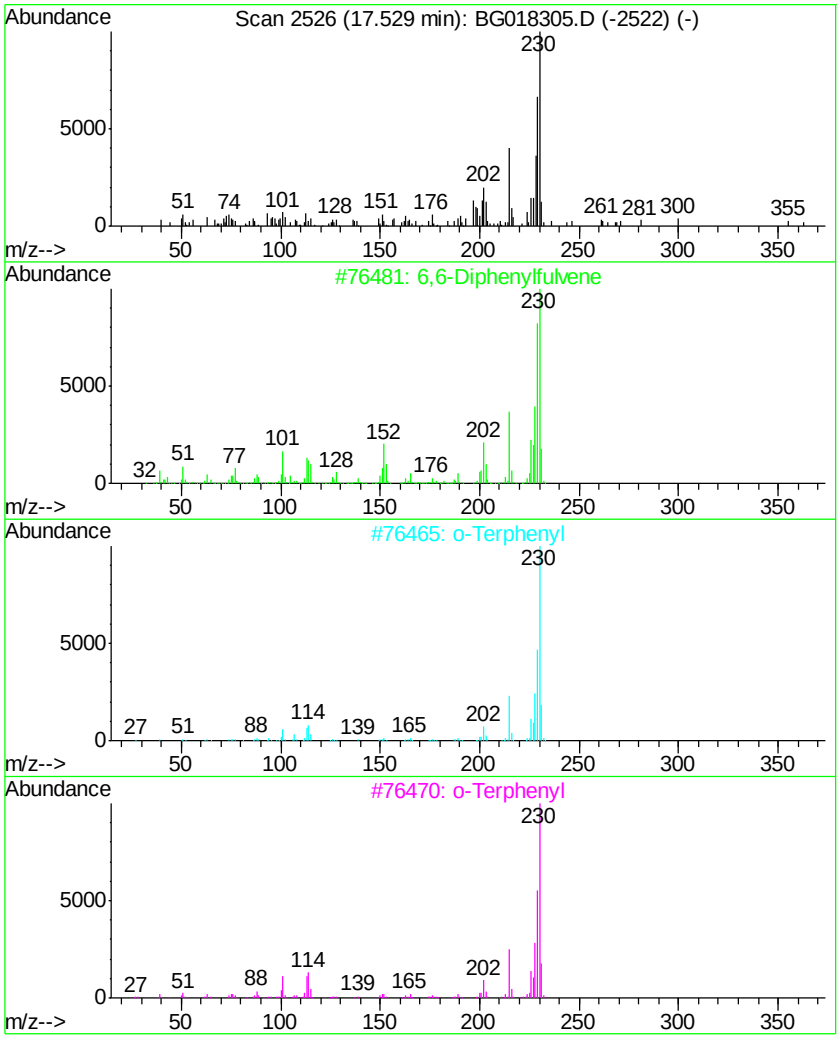
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

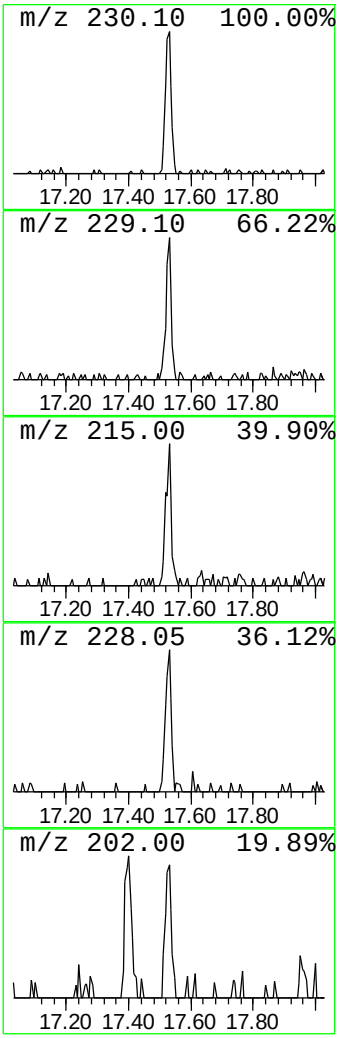
****

Peak Number 5 6,6-Diphenylfulvene Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.53	2.67 ng/ul	54532	Phenanthrene-d10	16.88

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	6,6-Diphenylfulvene	230	C18H14	002175-90-8	81
2	o-Terphenyl	230	C18H14	000084-15-1	81
3	o-Terphenyl	230	C18H14	000084-15-1	72
4	o-Terphenyl	230	C18H14	000084-15-1	68
5	Benz[a]anthracene, 7,12-dihydro-	230	C18H14	016434-59-6	58





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA G\DATA\BG080615\
Data File : BG018305.D
Acq On : 6 Aug 2015 15:20
Operator : UM/TP
Sample : G3109-15DL 5X
Misc :
ALS Vial : 31 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : C01W3DL

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG080515.M
Quant Title : SVOA CALIBRATION

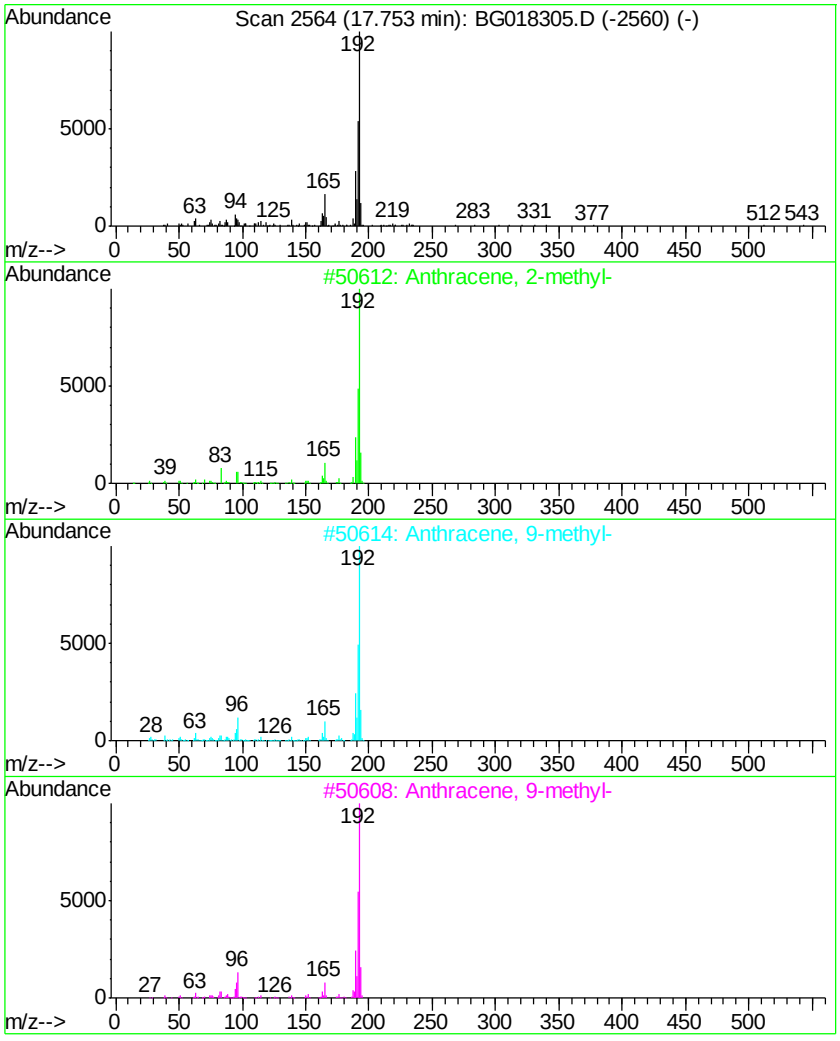
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

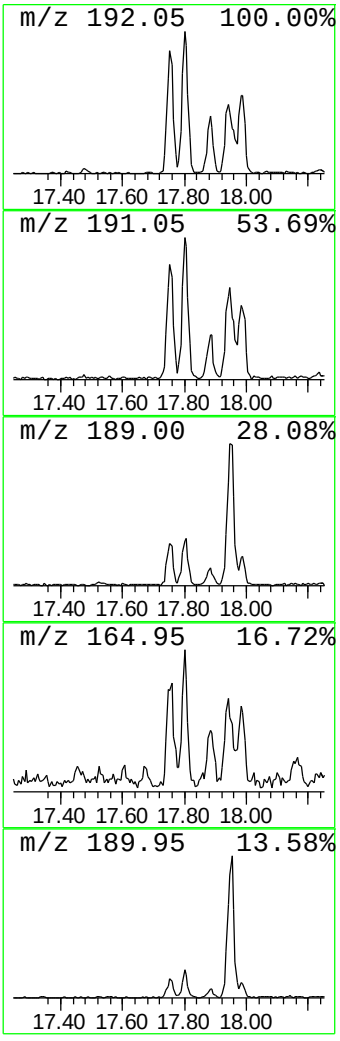
****

Peak Number 6 Anthracene, 2-methyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.75	6.13 ng/ul	125300	Phenanthrene-d10	16.88

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene, 2-methyl-	192	C15H12	000613-12-7	90
2	Anthracene, 9-methyl-	192	C15H12	000779-02-2	81
3	Anthracene, 9-methyl-	192	C15H12	000779-02-2	81
4	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	81
5	Anthracene, 1-methyl-	192	C15H12	000610-48-0	76





Data Path : Z:\HPCHEM1\BNA G\DATA\BG080615\
Data File : BG018305.D
Acq On : 6 Aug 2015 15:20
Operator : UM/TP
Sample : G3109-15DL 5X
Misc :
ALS Vial : 31 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : C01W3DL

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG080515.M
Quant Title : SVOA CALIBRATION

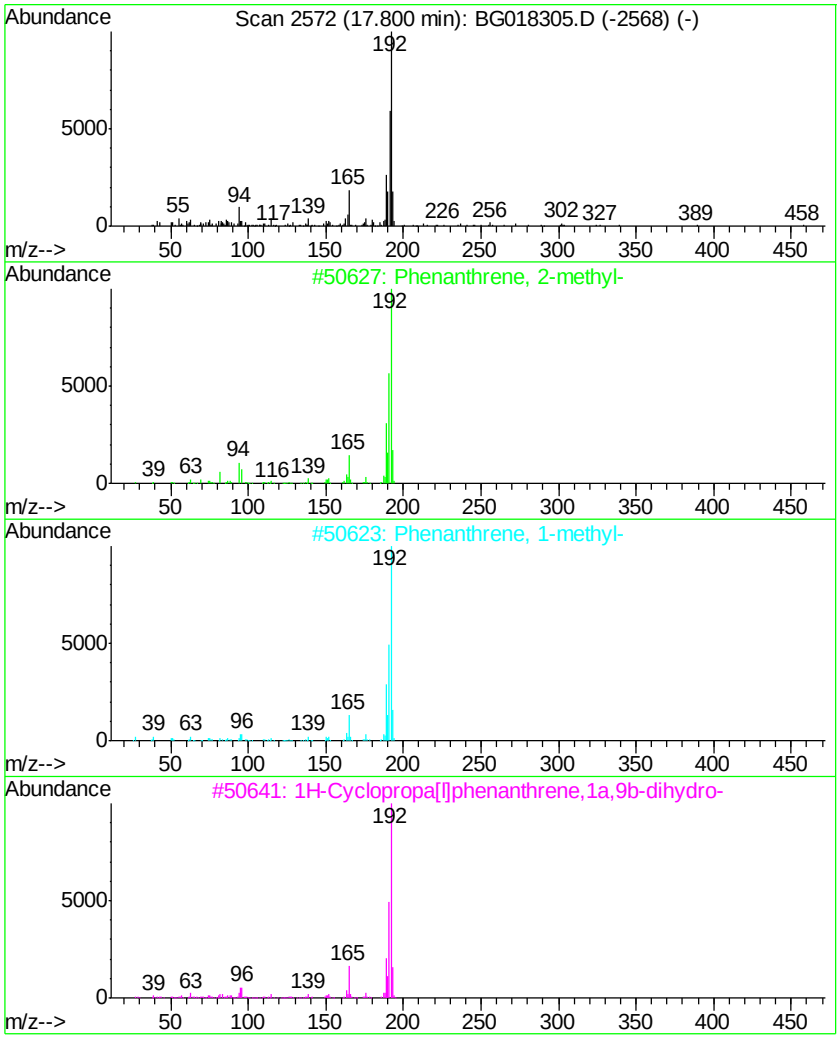
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

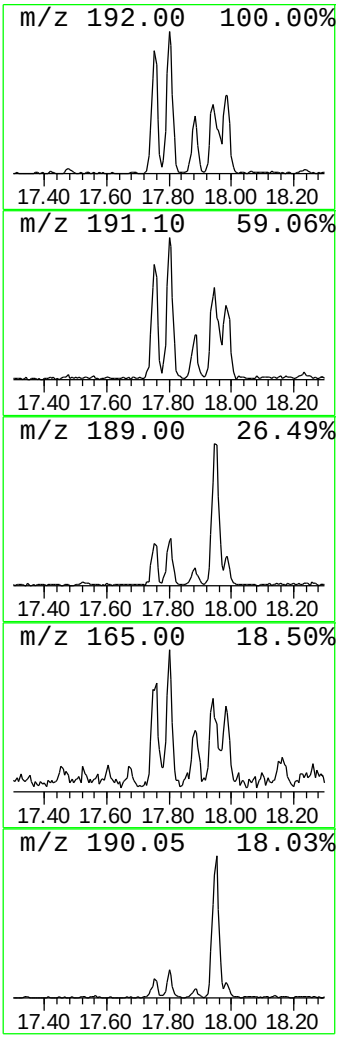
****

Peak Number 7 Phenanthrene, 2-methyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.80	9.58 ng/ul	195768	Phenanthrene-d10	16.88

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	91
2	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	90
3	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	90
4	Naphtho[2,3-b]norbornadiene	192	C15H12	107426-38-0	89
5	Anthracene, 2-methyl-	192	C15H12	000613-12-7	87





Data Path : Z:\HPCHEM1\BNA G\DATA\BG080615\
Data File : BG018305.D
Acq On : 6 Aug 2015 15:20
Operator : UM/TP
Sample : G3109-15DL 5X
Misc :
ALS Vial : 31 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : C01W3DL

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG080515.M
Quant Title : SVOA CALIBRATION

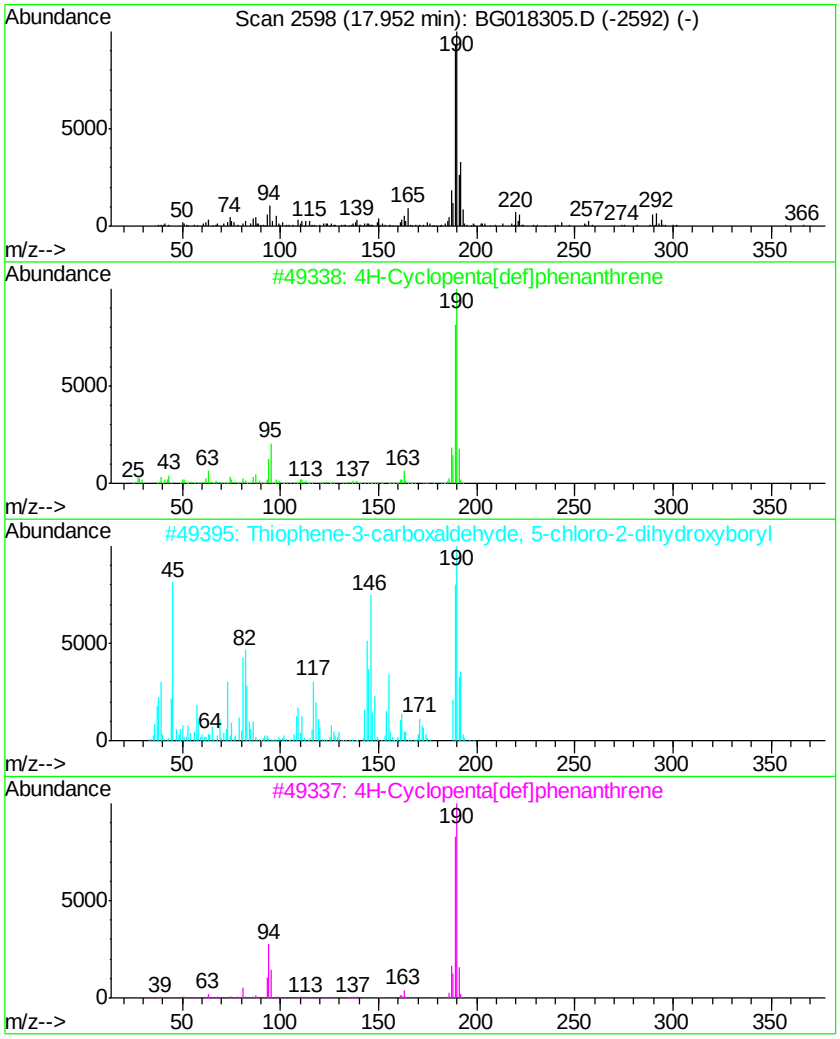
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

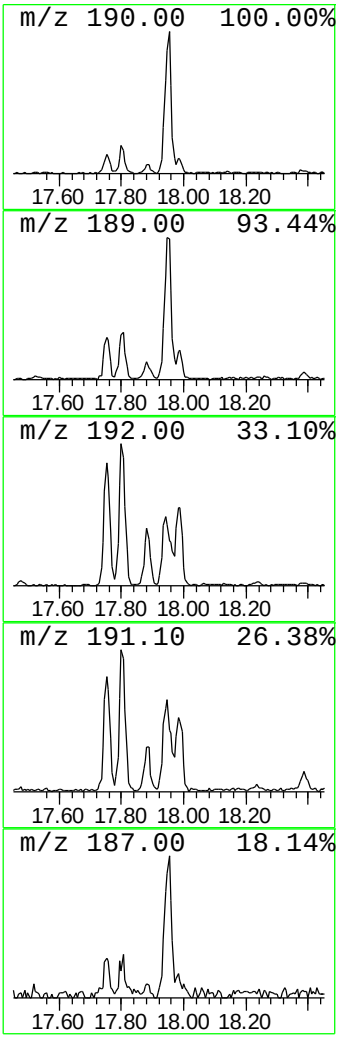
****

Peak Number 8 4H-Cyclopenta[def]phenanthrene Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.95	14.24 ng/ul	291032	Phenanthrene-d10	16.88

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	64
2	Thiophene-3-carboxaldehyde, 5-ch...	190	C5H4BClO3S	036155-87-0	64
3	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	50
4	6H-Cyclobuta[jk]phenanthrene	190	C15H10	083469-43-6	50
5	2,3,5,6-Tetramethylterephthalald...	190	C12H14O2	007072-01-7	38





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA G\DATA\BG080615\
Data File : BG018305.D
Acq On : 6 Aug 2015 15:20
Operator : UM/TP
Sample : G3109-15DL 5X
Misc :
ALS Vial : 31 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : C01W3DL

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG080515.M
Quant Title : SVOA CALIBRATION

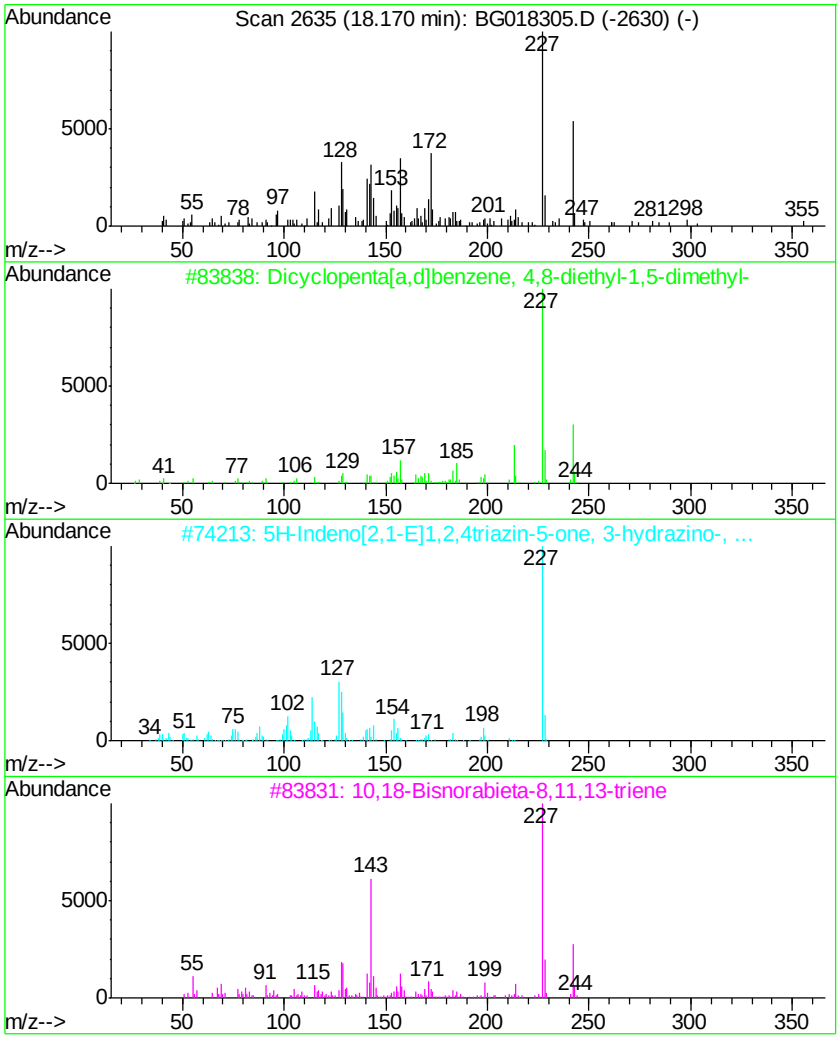
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

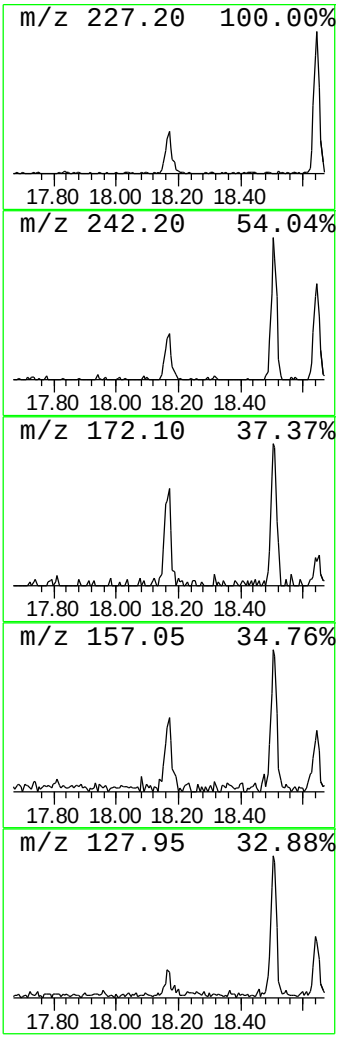
****

Peak Number 9 Dicyclopenta[a,d]benzene, 4... Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.17	5.04 ng/ul	102976	Phenanthrene-d10	16.88

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dicyclopenta[a,d]benzene, 4,8-di...	242	C18H26	1000156-41-6	50
2	5H-Indeno[2,1-E]1,2,4triazin-5-o...	227	C10H9N7	1000271-75-1	50
3	10,18-Bisnorabieta-8,11,13-triene	242	C18H26	032624-67-2	43
4	Benzocyclopentene, 4,6,7-triethy...	242	C18H26	1000156-41-5	41
5	S-Indacene, 1,2,3,5,6,7-hexahydr...	242	C18H26	017465-58-6	27





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA G\DATA\BG080615\
Data File : BG018305.D
Acq On : 6 Aug 2015 15:20
Operator : UM/TP
Sample : G3109-15DL 5X
Misc :
ALS Vial : 31 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : C01W3DL

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG080515.M
Quant Title : SVOA CALIBRATION

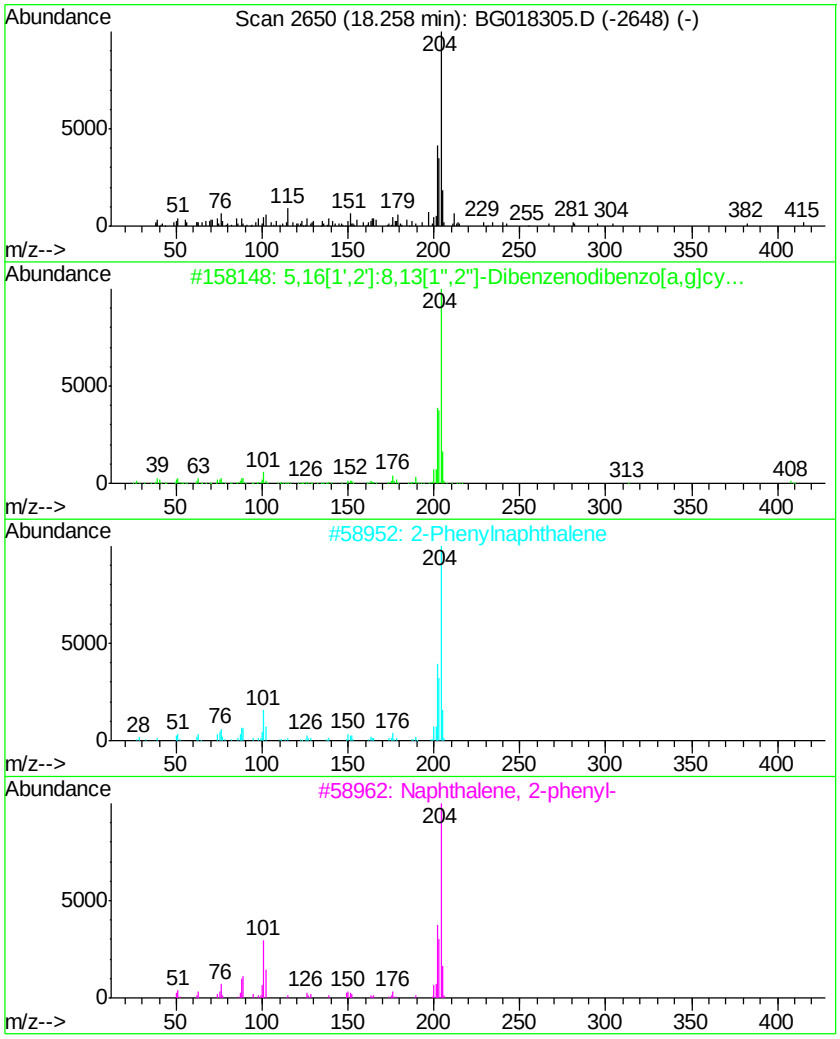
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

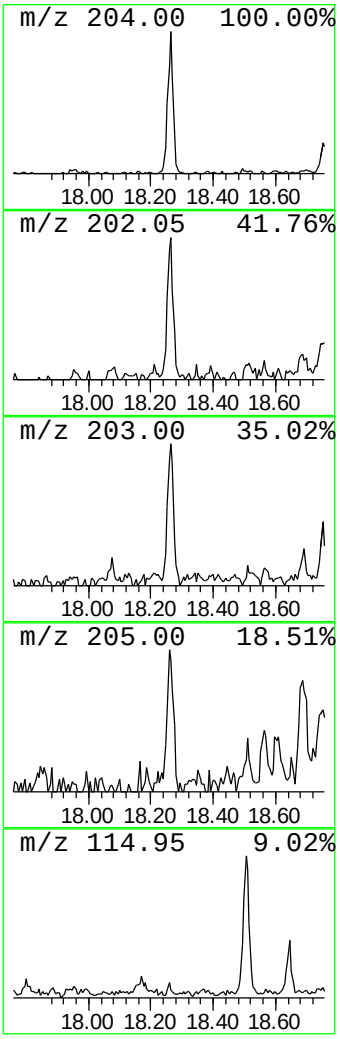
****

Peak Number 10 5,16[1',2']:8,13[1'',2'']-D... Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.26	3.11 ng/ul	63537	Phenanthrene-d10	16.88

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	5,16[1',2']:8,13[1'',2'']-Dibenz...	408	C32H24	005672-97-9	87
2	2-Phenylnaphthalene	204	C16H12	035465-71-5	76
3	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	58
4	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	58
5	6-Cyanophenanthridine	204	C14H8N2	002176-28-5	58





Data Path : Z:\HPCHEM1\BNA G\DATA\BG080615\
Data File : BG018305.D
Acq On : 6 Aug 2015 15:20
Operator : UM/TP
Sample : G3109-15DL 5X
Misc :
ALS Vial : 31 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : C01W3DL

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG080515.M
Quant Title : SVOA CALIBRATION

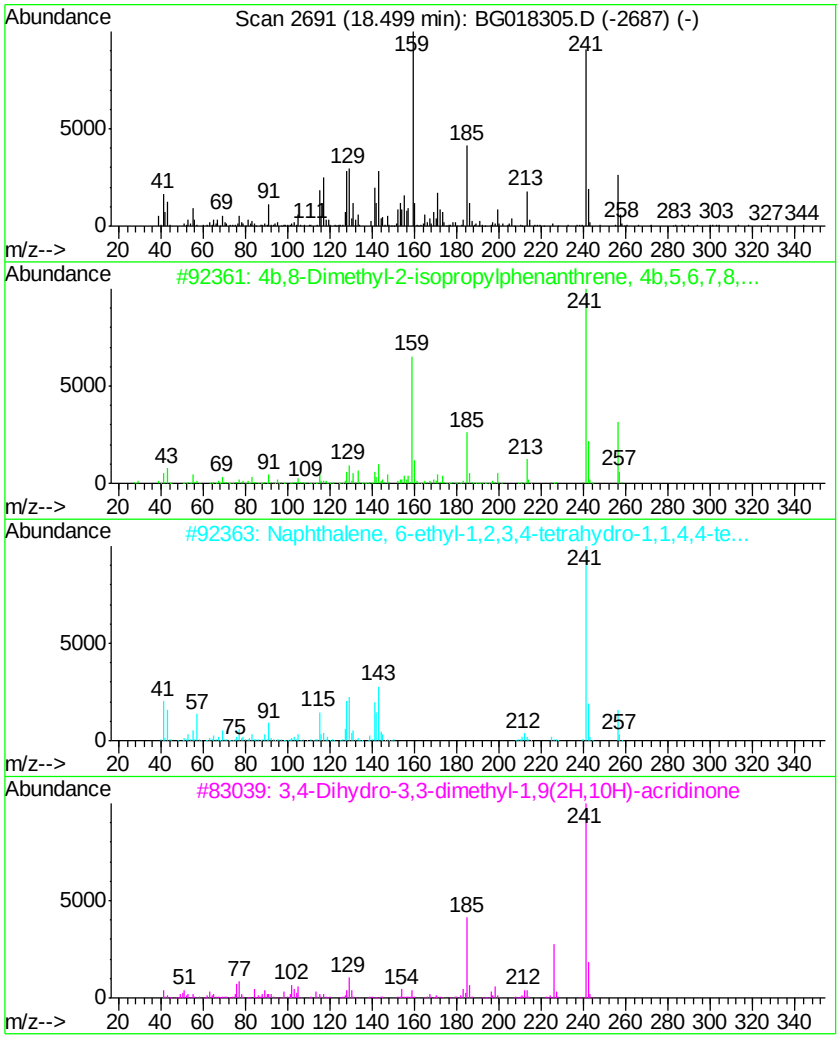
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

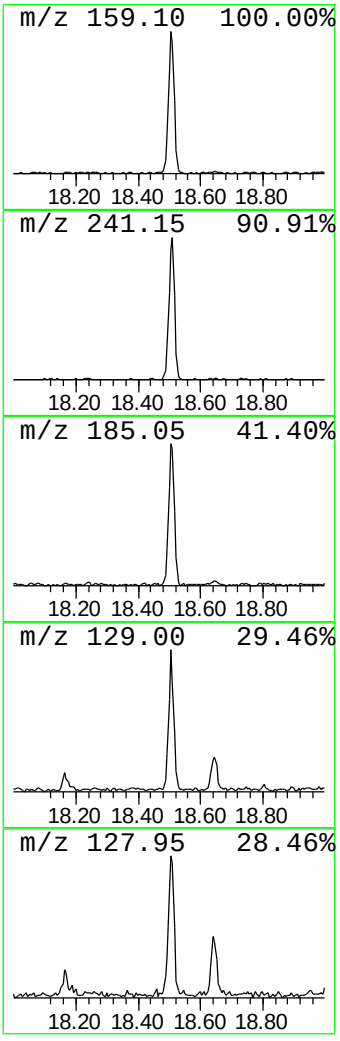
****

Peak Number 11 4b,8-Dimethyl-2-isopropylph... Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.50	36.67 ng/ul	749306	Phenanthrene-d10	16.88

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4b,8-Dimethyl-2-isopropylphenant...	256	C19H28	1000197-14-1	90
2	Naphthalene, 6-ethyl-1,2,3,4-tet...	256	C19H28	301643-35-6	43
3	3,4-Dihydro-3,3-dimethyl-1,9(2H,...	241	C15H15NO2	1000212-95-2	43
4	s-Indacen-1(2H)-one, 3,5,6,7-tet...	256	C18H24O	038754-94-8	42
5	1-Phenanthrenecarboxaldehyde, 1,...	284	C20H28O	024035-50-5	32





Data Path : Z:\HPCHEM1\BNA G\DATA\BG080615\
Data File : BG018305.D
Acq On : 6 Aug 2015 15:20
Operator : UM/TP
Sample : G3109-15DL 5X
Misc :
ALS Vial : 31 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : C01W3DL

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG080515.M
Quant Title : SVOA CALIBRATION

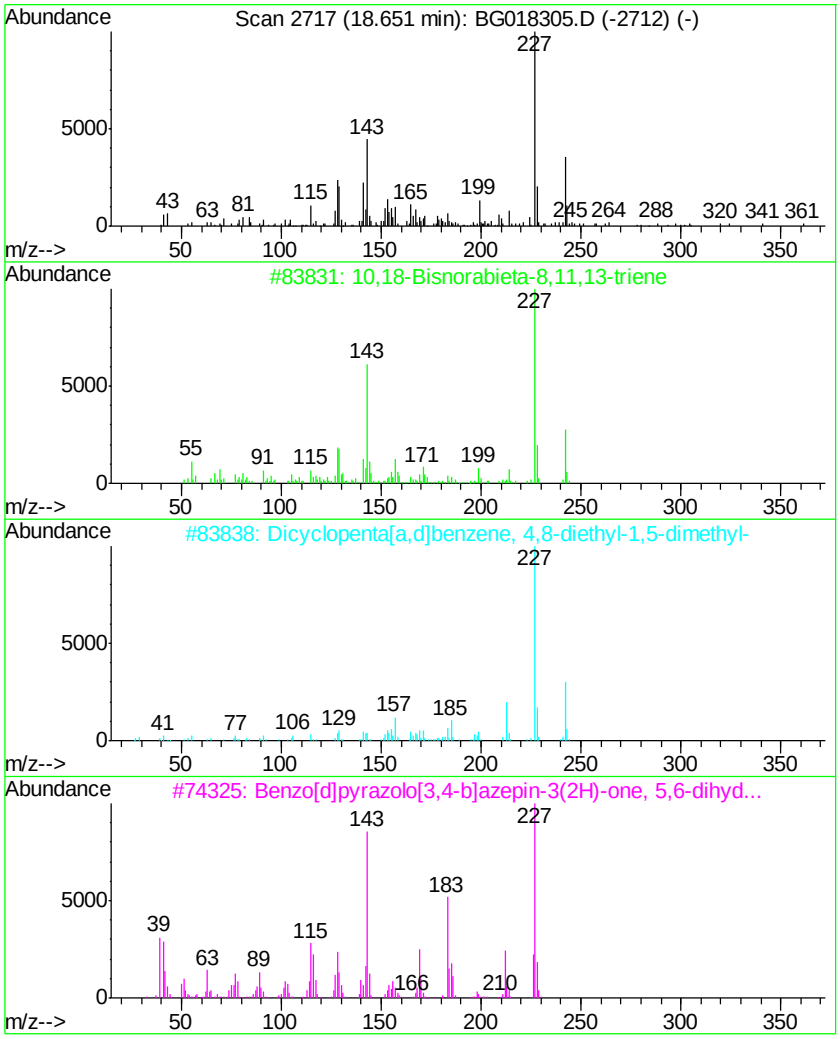
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

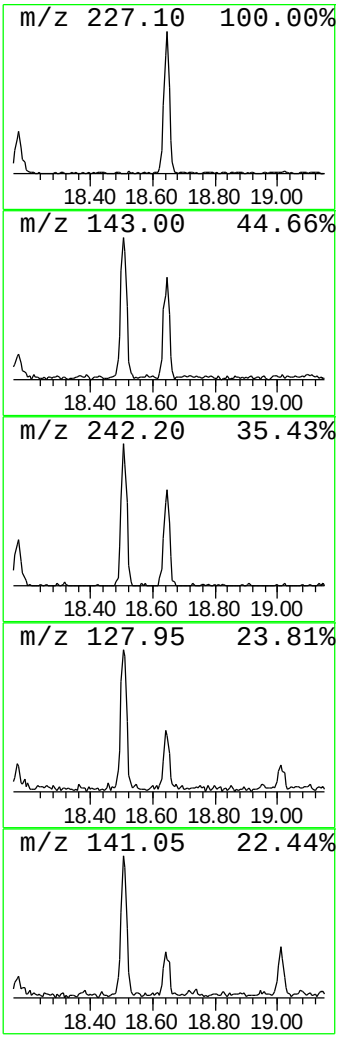
****

Peak Number 12 10,18-Bisnorabieta-8,11,13-... Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.65	8.51 ng/ul	173896	Phenanthrene-d10	16.88

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	10,18-Bisnorabieta-8,11,13-triene	242	C18H26	032624-67-2	93
2	Dicyclopenta[a,d]benzene, 4,8-di...	242	C18H26	1000156-41-6	83
3	Benzo[d]pyrazolo[3,4-b]azepin-3(...	227	C13H13N3O	263550-89-6	70
4	Styrene, 2,3,5,6-tetraethyl-4-vi...	242	C18H26	1000156-41-3	50
5	7-Diethylamino-2-oxo-2H-chromene...	242	C14H14N2O2	332411-59-3	49





Data Path : Z:\HPCHEM1\BNA G\DATA\BG080615\
Data File : BG018305.D
Acq On : 6 Aug 2015 15:20
Operator : UM/TP
Sample : G3109-15DL 5X
Misc :
ALS Vial : 31 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : C01W3DL

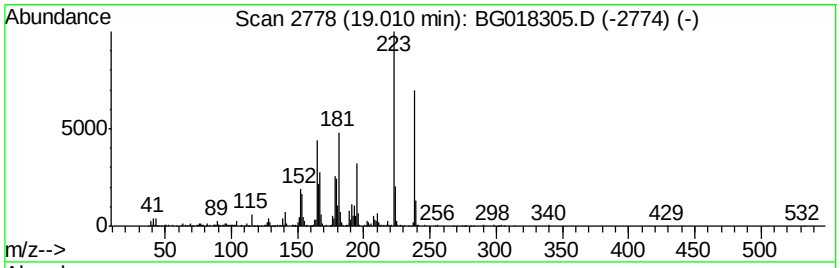
Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG080515.M
Quant Title : SVOA CALIBRATION

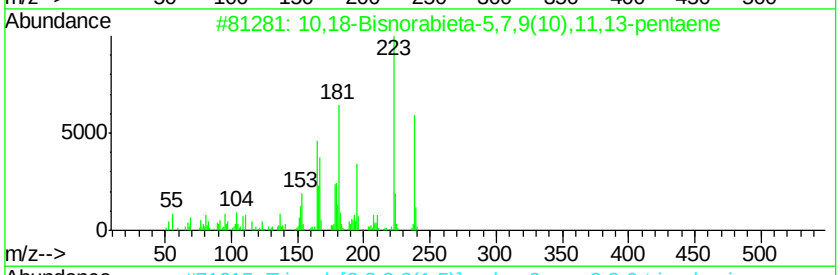
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

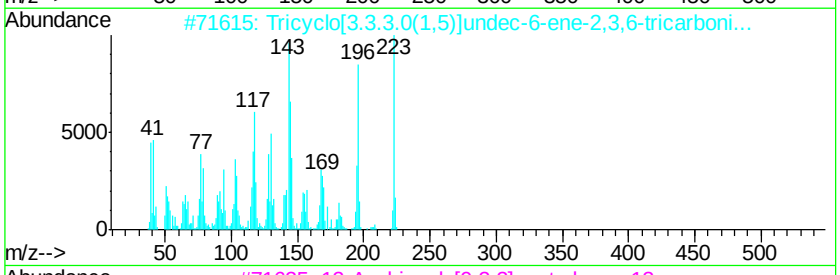
****
Peak Number 13 10,18-Bisnorabieta-5,7,9(10... Concentration Rank 2

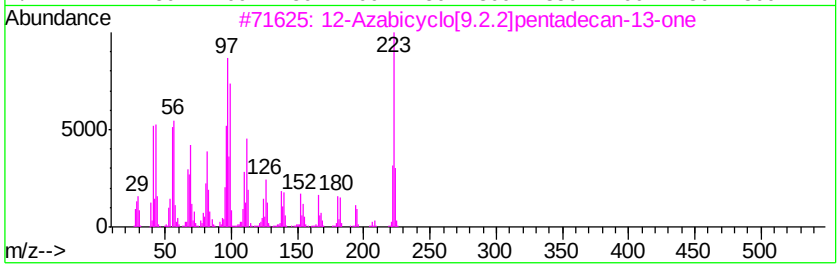
R.T.	EstConc	Area	Relative to ISTD	R.T.
19.01	23.71 ng/ul	617145	Chrysene-d12	21.09

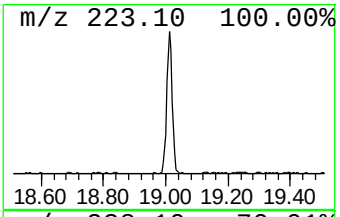
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	10,18-Bisnorabieta-5,7,9(10),11,...	238	C18H22	006566-19-4	99
2	Tricyclo[3.3.3.0(1,5)]undec-6-en...	223	C14H13N3	118894-71-6	64
3	12-Azabicyclo[9.2.2]pentadecan-1...	223	C14H25NO	1000191-26-7	60
4	4,4'-Diisopropylbiphenyl	238	C18H22	018970-30-4	55
5	4,4'-Diisopropylbiphenyl	238	C18H22	018970-30-4	50

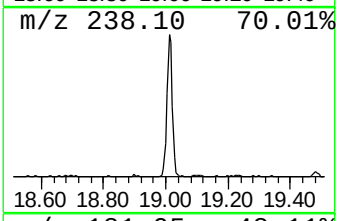


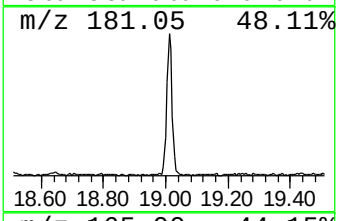


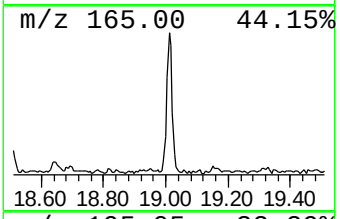


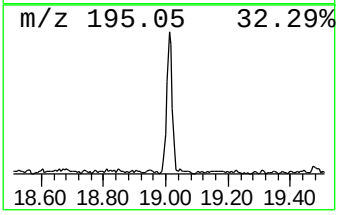












Data Path : Z:\HPCHEM1\BNA G\DATA\BG080615\
Data File : BG018305.D
Acq On : 6 Aug 2015 15:20
Operator : UM/TP
Sample : G3109-15DL 5X
Misc :
ALS Vial : 31 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : C01W3DL

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG080515.M
Quant Title : SVOA CALIBRATION

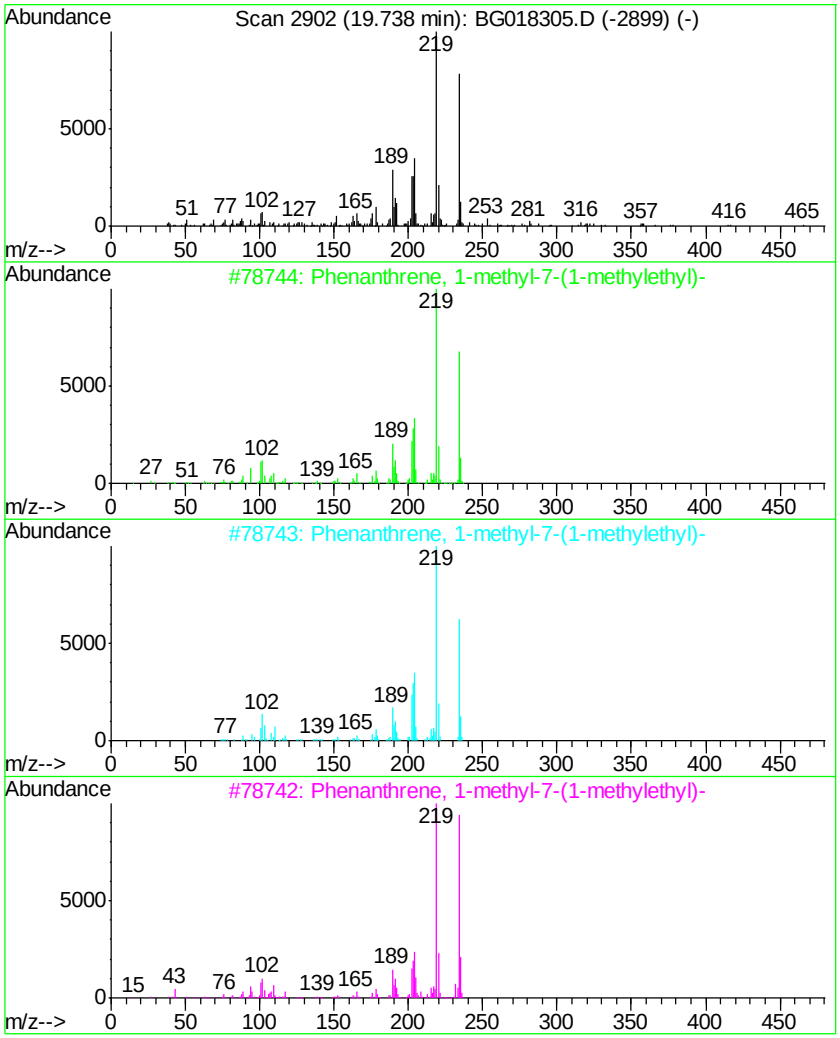
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

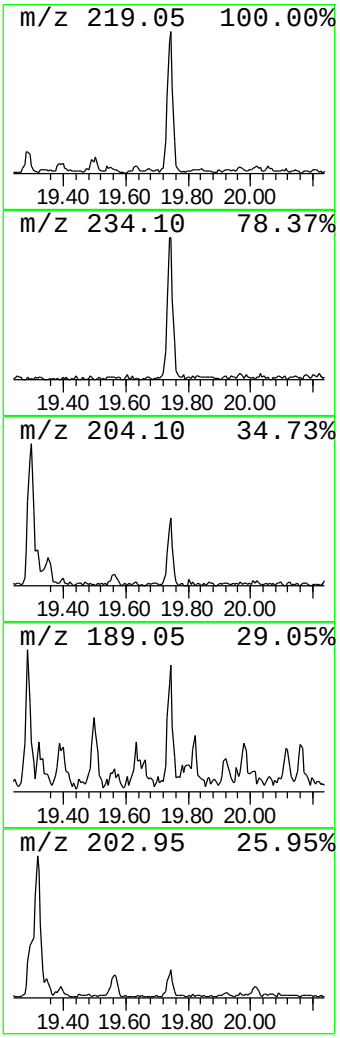
****

Peak Number 14 Phenanthrene, 1-methyl-7-(1... Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.74	5.80 ng/ul	150883	Chrysene-d12	21.09

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 1-methyl-7-(1-meth...	234	C18H18	000483-65-8	95
2	Phenanthrene, 1-methyl-7-(1-meth...	234	C18H18	000483-65-8	95
3	Phenanthrene, 1-methyl-7-(1-meth...	234	C18H18	000483-65-8	94
4	2-Isopropyl-10-methylphenanthrene	234	C18H18	066552-97-4	93
5	Phenanthrene, 2,4,5,7-tetramethyl-	234	C18H18	007396-38-5	93





Data Path : Z:\HPCHEM1\BNA G\DATA\BG080615\
Data File : BG018305.D
Acq On : 6 Aug 2015 15:20
Operator : UM/TP
Sample : G3109-15DL 5X
Misc :
ALS Vial : 31 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : C01W3DL

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG080515.M
Quant Title : SVOA CALIBRATION

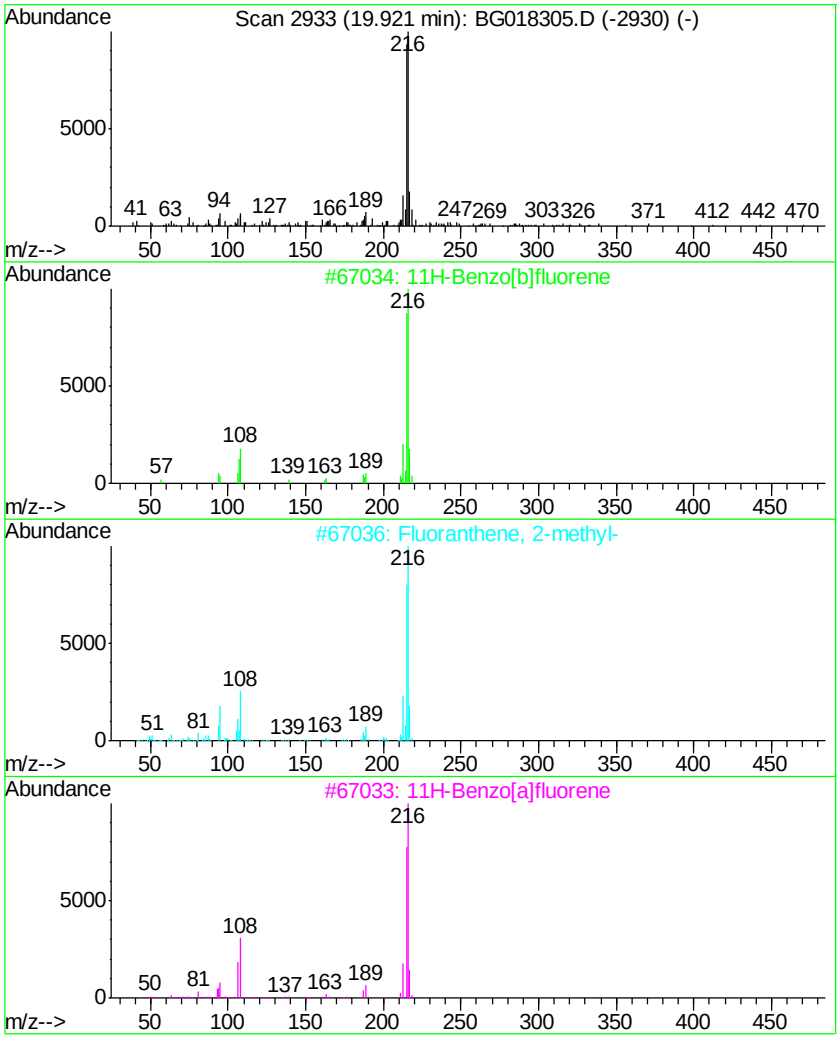
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

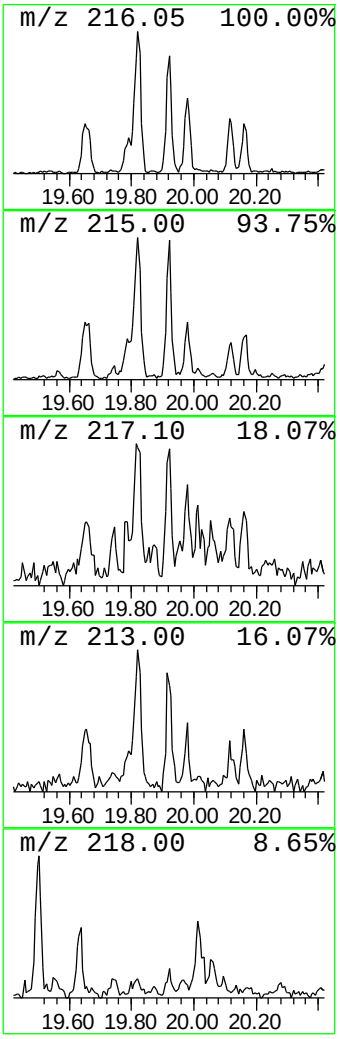
****

Peak Number 15 11H-Benzo[b]fluorene Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.92	3.20 ng/ul	83189	Chrysene-d12	21.09

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	93
2	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	91
3	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	90
4	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	90
5	Pyrene, 1-methyl-	216	C17H12	002381-21-7	90





Data Path : Z:\HPCHEM1\BNA G\DATA\BG080615\
Data File : BG018305.D
Acq On : 6 Aug 2015 15:20
Operator : UM/TP
Sample : G3109-15DL 5X
Misc :
ALS Vial : 31 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : C01W3DL

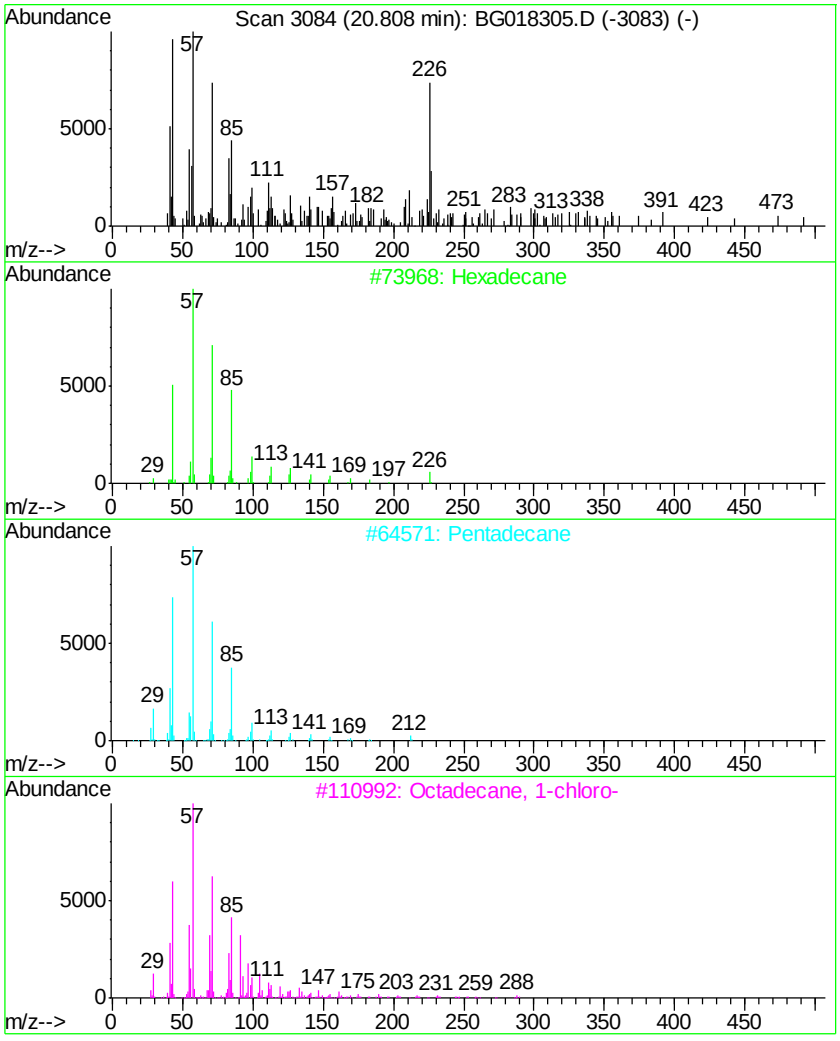
Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG080515.M
Quant Title : SVOA CALIBRATION

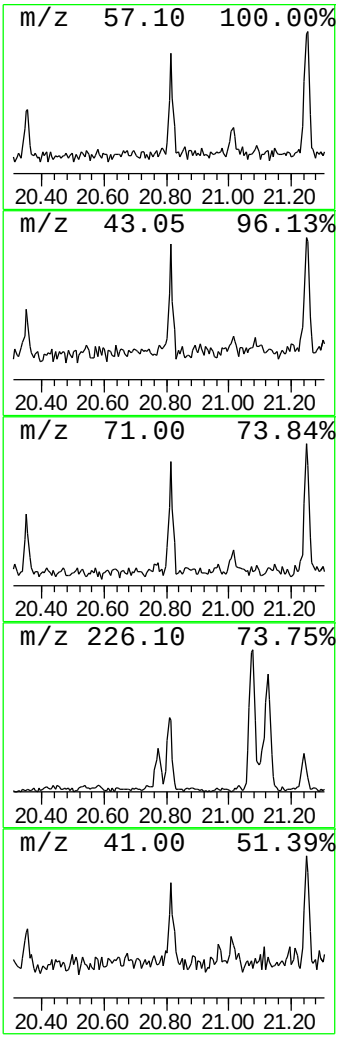
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 16 (DEL) Alkane: Straight-Chai... Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.81	4.03 ng/ul	105004	Chrysene-d12	21.09

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexadecane	226	C16H34	000544-76-3	74
2	Pentadecane	212	C15H32	000629-62-9	70
3	Octadecane, 1-chloro-	288	C18H37Cl	003386-33-2	70
4	Eicosane	282	C20H42	000112-95-8	64
5	Heptadecane, 4-methyl-	254	C18H38	026429-11-8	64





Data Path : Z:\HPCHEM1\BNA G\DATA\BG080615\
Data File : BG018305.D
Acq On : 6 Aug 2015 15:20
Operator : UM/TP
Sample : G3109-15DL 5X
Misc :
ALS Vial : 31 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : C01W3DL

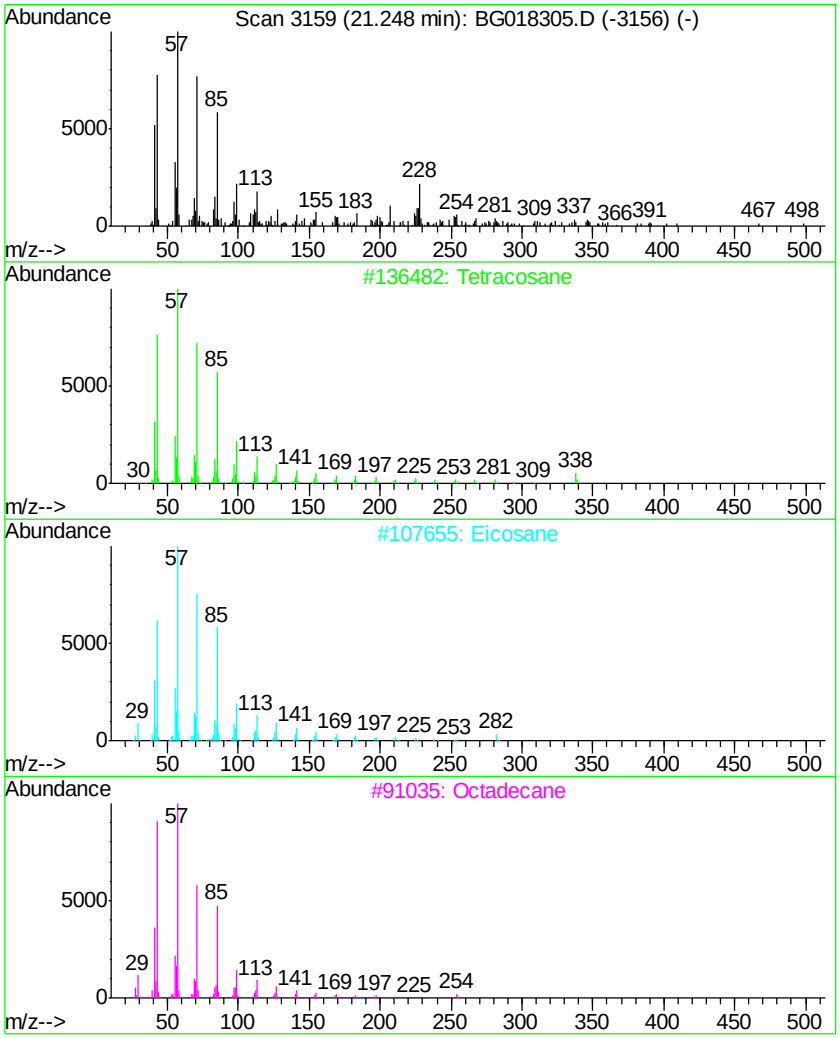
Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG080515.M
Quant Title : SVOA CALIBRATION

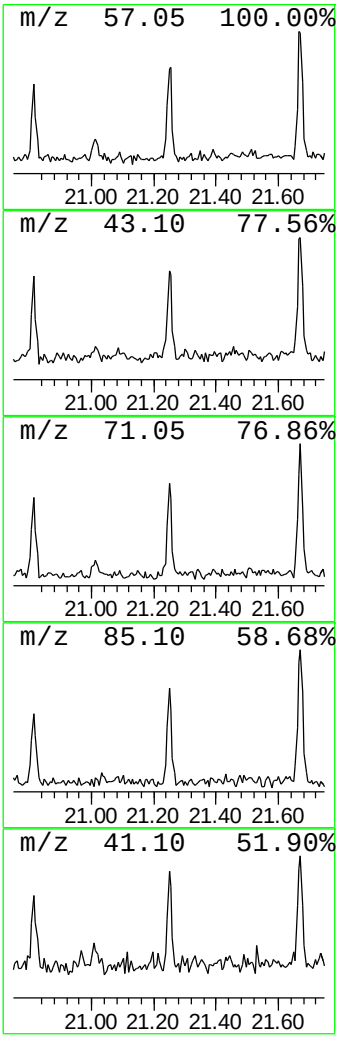
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 17 (DEL) Alkane: Straight-Chai... Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.25	4.76 ng/ul	123807	Chrysene-d12	21.09

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Tetracosane	338	C24H50	000646-31-1	93
2	Eicosane	282	C20H42	000112-95-8	92
3	Octadecane	254	C18H38	000593-45-3	89
4	Hexadecane	226	C16H34	000544-76-3	89
5	Octadecane	254	C18H38	000593-45-3	89





Data Path : Z:\HPCHEM1\BNA G\DATA\BG080615\
Data File : BG018305.D
Acq On : 6 Aug 2015 15:20
Operator : UM/TP
Sample : G3109-15DL 5X
Misc :
ALS Vial : 31 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : C01W3DL

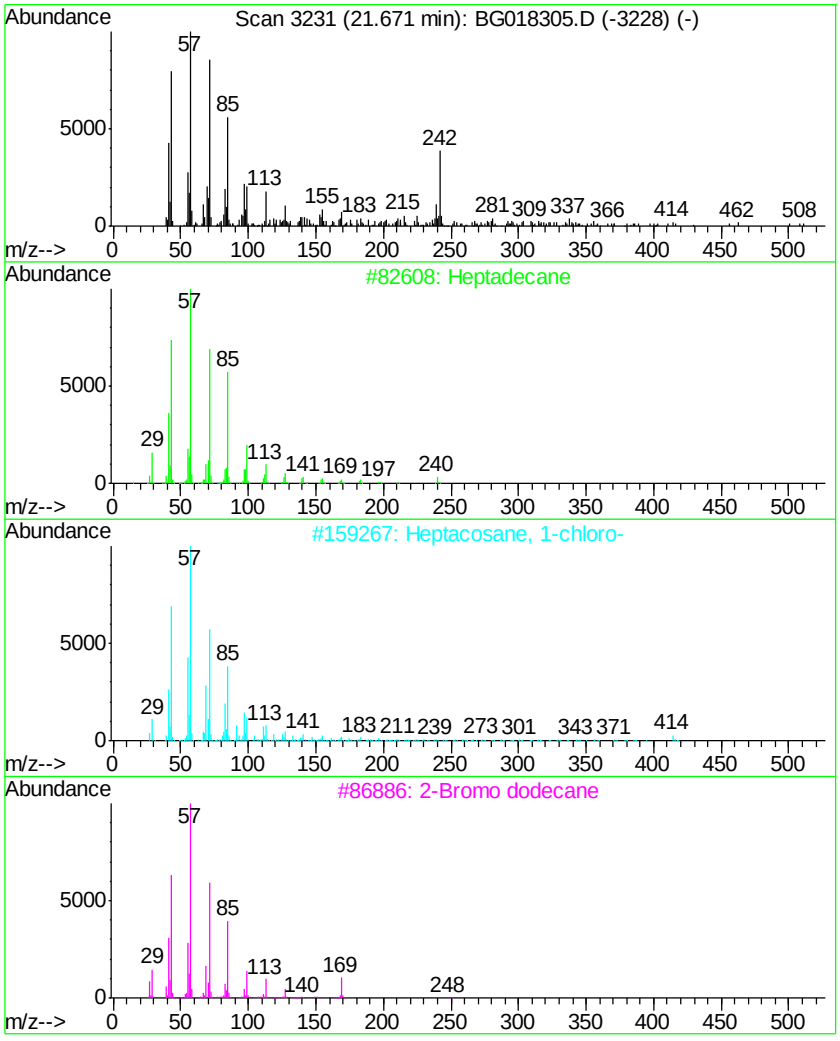
Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG080515.M
Quant Title : SVOA CALIBRATION

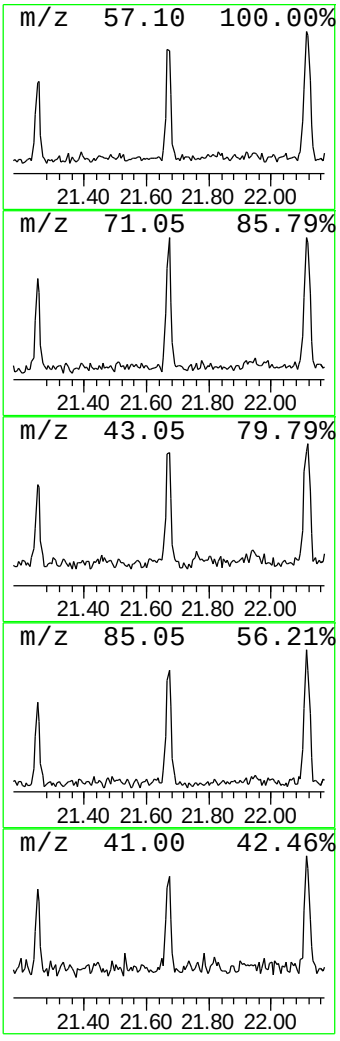
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 18 (DEL) Alkane: Straight-Chai... Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.67	6.46 ng/ul	168091	Chrysene-d12	21.09

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heptadecane	240	C17H36	000629-78-7	91
2	Heptacosane, 1-chloro-	414	C27H55Cl	062016-79-9	89
3	2-Bromo dodecane	248	C12H25Br	013187-99-0	83
4	Nonadecane, 2-methyl-	282	C20H42	001560-86-7	83
5	Heptacosane	380	C27H56	000593-49-7	83





Data Path : Z:\HPCHEM1\BNA G\DATA\BG080615\
Data File : BG018305.D
Acq On : 6 Aug 2015 15:20
Operator : UM/TP
Sample : G3109-15DL 5X
Misc :
ALS Vial : 31 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : C01W3DL

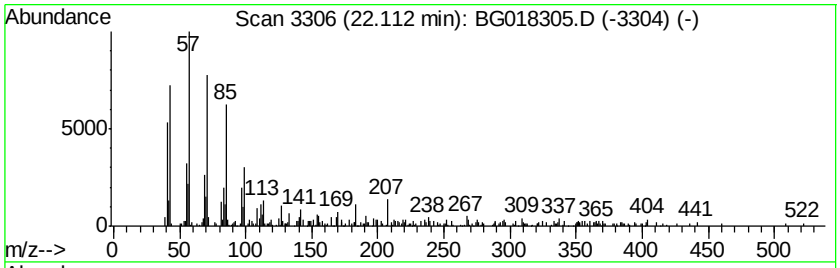
Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG080515.M
Quant Title : SVOA CALIBRATION

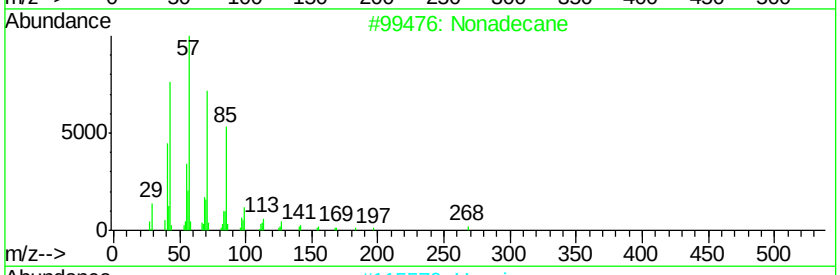
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

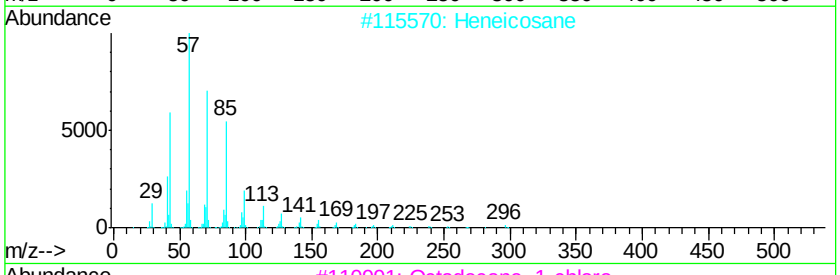
****
Peak Number 19 (DEL) Alkane: Straight-Chai... Concentration Rank 6

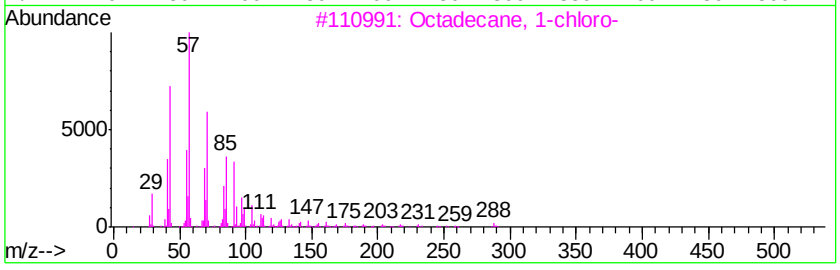
R.T.	EstConc	Area	Relative to ISTD	R.T.
22.11	7.89 ng/ul	205464	Chrysene-d12	21.09

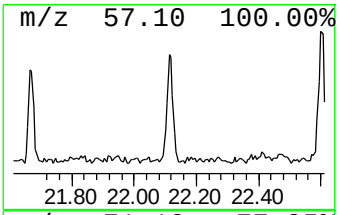
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Nonadecane	268	C19H40	000629-92-5	94
2	Heneicosane	296	C21H44	000629-94-7	94
3	Octadecane, 1-chloro-	288	C18H37Cl	003386-33-2	89
4	Heptacosane	380	C27H56	000593-49-7	87
5	Octadecane, 1-chloro-	288	C18H37Cl	003386-33-2	87

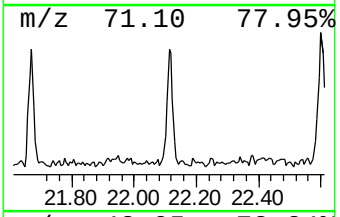


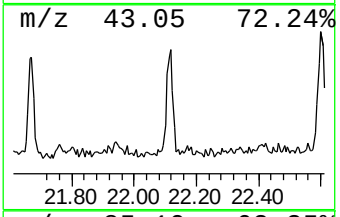


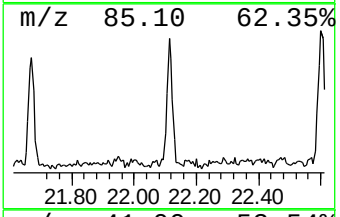


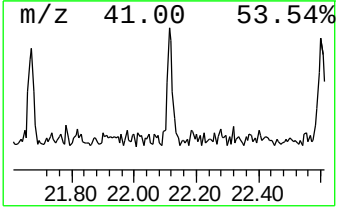












Tentatively Identified Compound (LSC) summary

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG080615\
Data File : BG018305.D
Acq On : 6 Aug 2015 15:20
Operator : UM/TP
Sample : G3109-15DL 5X
Misc :
ALS Vial : 31 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : C01W3DL

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG080515.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
2,4,6-Cycloheptat...	15.47	2.3	ng/ul	39705	3	14.12	348759	20.0
Dibenzofuran, 4-m...	15.62	2.2	ng/ul	44509	4	16.88	408629	20.0
Dibenzothiophene	16.69	3.4	ng/ul	68756	4	16.88	408629	20.0
Dibenzothiophene,...	17.46	2.3	ng/ul	47846	4	16.88	408629	20.0
6,6-Diphenylfulvene	17.53	2.7	ng/ul	54532	4	16.88	408629	20.0
Anthracene, 2-met...	17.75	6.1	ng/ul	125300	4	16.88	408629	20.0
Phenanthrene, 2-m...	17.80	9.6	ng/ul	195768	4	16.88	408629	20.0
4H-Cyclopenta[def...	17.95	14.2	ng/ul	291032	4	16.88	408629	20.0
Dicyclopenta[a,d]...	18.17	5.0	ng/ul	102976	4	16.88	408629	20.0
5,16[1',2']:8,13[...	18.26	3.1	ng/ul	63537	4	16.88	408629	20.0
4b,8-Dimethyl-2-i...	18.50	36.7	ng/ul	749306	4	16.88	408629	20.0
10,18-Bisnorabiet...	18.65	8.5	ng/ul	173896	4	16.88	408629	20.0
10,18-Bisnorabiet...	19.01	23.7	ng/ul	617145	5	21.09	520607	20.0
Phenanthrene, 1-m...	19.74	5.8	ng/ul	150883	5	21.09	520607	20.0
11H-Benzo[b]fluorene	19.92	3.2	ng/ul	83189	5	21.09	520607	20.0
(DEL) Alkane: Str...	20.81	4.0	ng/ul	105004	5	21.09	520607	20.0
(DEL) Alkane: Str...	21.25	4.8	ng/ul	123807	5	21.09	520607	20.0
(DEL) Alkane: Str...	21.67	6.5	ng/ul	168091	5	21.09	520607	20.0
(DEL) Alkane: Str...	22.11	7.9	ng/ul	205464	5	21.09	520607	20.0