LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA G\DATA\BG080515\
Data File : BG018287.D
Acq On : 6 Aug 2015 00:57
Operator : UM/TP
Sample : G3109-11RE
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : C02L4RE

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	3.424	120	125	131	rBV	131936	173068	2.84%	0.296%
2	6.638	666	672	682	rVB	143551	235523	3.87%	0.403%
3	6.773	690	695	700	rBV	93407	144723	2.38%	0.248%
4	6.973	723	729	740	rVB	153804	237810	3.90%	0.407%
5	7.431	799	807	815	rBV	268281	400726	6.58%	0.686%
6	8.172	925	933	940	rBV	101921	174175	2.86%	0.298%
7	8.589	998	1004	1012	rVB2	150505	234660	3.85%	0.402%
8	9.311	1120	1127	1134	rBV	151032	251601	4.13%	0.431%
9	9.858	1214	1220	1229	rBV	212668	345866	5.68%	0.592%
10	10.216	1274	1281	1286	rBV	380874	622597	10.22%	1.065%
11	10.263	1286	1289	1296	rVB	97265	149568	2.46%	0.256%
12	11.897	1561	1567	1574	rVB2	45383	73549	1.21%	0.126%
13	12.120	1600	1605	1610	rBV	37746	56723	0.93%	0.097%
14	13.430	1822	1828	1834	rBV2	39802	67583	1.11%	0.116%
15	13.530	1841	1845	1850	rBV	356641	490456	8.05%	0.839%
16	13.583	1850	1854	1861	rVB	150734	198278	3.26%	0.339%
17	13.806	1885	1892	1896	rBV	383052	600440	9.86%	1.027%
18	14.118	1934	1945	1951	rBV2	549769	830395	13.63%	1.421%
19	14.176	1951	1955	1964	rVB	253650	381532	6.26%	0.653%
20	14.376	1984	1989	1994	rVV	118453	194225	3.19%	0.332%
21	14.429	1994	1998	2004	rVV4	34084	62771	1.03%	0.107%
22	14.517	2005	2013	2020	rVV	157221	290277	4.77%	0.497%
23	14.746	2046	2052	2057	rBV3	27171	50461	0.83%	0.086%
24	15.116	2103	2115	2120	rBV	488667	725361	11.91%	1.241%
25	15.175	2120	2125	2130	rVV	266812	376714	6.19%	0.645%
26	15.269	2136	2141	2144	rBV2	160393	224594	3.69%	0.384%
27	15.299	2144	2146	2149	rVV2	45001	47500	0.78%	0.081%
28	15.334	2149	2152	2157	rVB4	38364	55044	0.90%	0.094%
29	15.469	2170	2175	2185	rVB2	66238	127046	2.09%	0.217%
30	15.616	2196	2200	2208	rVV	62036	126893	2.08%	0.217%
31	15.851	2235	2240	2250	rVB8	64801	126926	2.08%	0.217%
32	16.162	2286	2293	2294	rBV5	42291	64510	1.06%	0.110%
33	16.180	2294	2296	2301	rVB2	47235	65516	1.08%	0.112%
34	16.233	2301	2305	2310	rVB3	38185	55167	0.91%	0.094%

LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA G\DATA\BG080515\
Data File : BG018287.D
Acq On : 6 Aug 2015 00:57
Operator : UM/TP
Sample : G3109-11RE
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : C02L4RE

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	16.303	2314	2317	2320	rBV4	44437	63882	1.05%	0.109%
36	16.532	2352	2356	2364	rVB	122100	177329	2.91%	0.303%
37	16.626	2365	2372	2375	rVV4	59430	131896	2.17%	0.226%
38	16.691	2379	2383	2392	rVB	202329	311652	5.12%	0.533%
39	16.879	2409	2415	2418	rVV	546889	808750	13.28%	1.384%
40	16.926	2418	2423	2428	rVV	2505950	3512040	57.66%	6.010%
41	16.979	2428	2432	2435	rVV	489705	716645	11.77%	1.226%
42	17.014	2435	2438	2443	rVB	537120	649860	10.67%	1.112%
43	17.067	2443	2447	2454	rBV2	59807	96649	1.59%	0.165%
44	17.290	2480	2485	2489	rVB	215321	291825	4.79%	0.499%
45	17.396	2499	2503	2509	rBV3	73049	98184	1.61%	0.168%
46	17.455	2509	2513	2522	rVV2	102009	165504	2.72%	0.283%
47	17.602	2534	2538	2542	rVB2	62689	103551	1.70%	0.177%
48	17.678	2547	2551	2554	rBV3	37106	55131	0.91%	0.094%
49	17.755	2559	2564	2568	rVV	298367	431334	7.08%	0.738%
50	17.807	2568	2573	2579	rVV2	847270	1311437	21.53%	2.244%
51	17.884	2579	2586	2591	rVB2	116054	206134	3.38%	0.353%
52	17.948	2591	2597	2601	rBV2	508375	843922	13.86%	1.444%
53	17.984	2601	2603	2610	rVB	201215	254503	4.18%	0.435%
54	18.160	2629	2633	2637	rVB4	52324	72947	1.20%	0.125%
55	18.266	2646	2651	2654	rBV	220437	278509	4.57%	0.477%
56	18.313	2654	2659	2664	rVB2	205497	290053	4.76%	0.496%
57	18.389	2669	2672	2674	rBV	34475	48610	0.80%	0.083%
58	18.507	2685	2692	2697	rBV3	241365	373584	6.13%	0.639%
59	18.565	2698	2702	2705	rBV2	68571	91487	1.50%	0.157%
60	18.689	2718	2723	2728	rBV3	147744	288180	4.73%	0.493%
61	18.836	2742	2748	2755	rVB2	150693	304477	5.00%	0.521%
62	18.965	2763	2770	2775	rBV	3524133	5337053	87.63%	9.133%
63	19.018	2775	2779	2783	rVV4	140594	226348	3.72%	0.387%
64	19.053	2783	2785	2789	rVV2	63978	79764	1.31%	0.136%
65	19.106	2790	2794	2798	rVB4	124170	169460	2.78%	0.290%
66	19.171	2801	2805	2807	rVV3	73813	121105	1.99%	0.207%
67	19.200	2807	2810	2814	rVB	165047	227372	3.73%	0.389%
68	19.335	2821	2833	2839	rBV	3316843	6090440	100.00%	10.422%
69	19.394	2840	2843	2849	rVB3	139183	220359	3.62%	0.377%
70	19.500	2857	2861	2865	rBV	157277	216908	3.56%	0.371%
71	19.558	2867	2871	2877	rVB2	176271	327163	5.37%	0.560%

LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA G\DATA\BG080515\
Data File : BG018287.D
Acq On : 6 Aug 2015 00:57
Operator : UM/TP
Sample : G3109-11RE
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : C02L4RE

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	19.652	2881	2887	2892	rBV2	182499	448890	7.37%	0.768%
73	19.740	2899	2902	2905	rVB3	83530	80601	1.32%	0.138%
74	19.782	2905	2909	2911	rVV3	172950	236901	3.89%	0.405%
75	19.823	2912	2916	2920	rVB	484365	679687	11.16%	1.163%
76	19.923	2929	2933	2937	rBV	326306	393114	6.45%	0.673%
77	19.981	2938	2943	2946	rVV3	245573	401142	6.59%	0.686%
78	20.017	2947	2949	2954	rVB2	132341	138323	2.27%	0.237%
79	20.116	2964	2966	2970	rVB	116922	118404	1.94%	0.203%
80	20.163	2971	2974	2984	rVB	178205	322761	5.30%	0.552%
81	20.410	3014	3016	3019	rBV3	53578	56751	0.93%	0.097%
82	20.575	3040	3044	3050	rVB	242601	329377	5.41%	0.564%
83	20.739	3066	3072	3075	rBV3	357709	562556	9.24%	0.963%
84	20.775	3075	3078	3081	rVV	262260	310742	5.10%	0.532%
85	20.816	3081	3085	3090	rVV2	307656	549806	9.03%	0.941%
86	20.874	3092	3095	3102	rVB	251260	342462	5.62%	0.586%
87	21.086	3123	3131	3136	rBV2	2025674	3710915	60.93%	6.350%
88	21.139	3136	3140	3149	rVB	1978708	2507753	41.18%	4.291%
89	21.250	3155	3159	3163	rBV	336412	413419	6.79%	0.707%
90	21.409	3181	3186	3190	rBV2	200303	354743	5.82%	0.607%
91	21.450	3190	3193	3196	rVV4	96930	121902	2.00%	0.209%
92	21.632	3221	3224	3227	rVB	288592	340803	5.60%	0.583%
93	21.679	3230	3232	3238	rVB2	166634	220507	3.62%	0.377%
94	21.820	3253	3256	3259	rBV	168330	233496	3.83%	0.400%
95	22.643	3388	3396	3399	rBV	1851564	4158343	68.28%	7.116%
96	22.790	3417	3421	3426	rVB	322941	482061	7.92%	0.825%
97	23.095	3467	3473	3478	rBV	955073	1832347	30.09%	3.135%
98	23.195	3484	3490	3498	rVB	1679583	3116294	51.17%	5.332%
99	23.330	3509	3513	3520	rVB2	531566	924193	15.17%	1.581%
100	25.498	3874	3882	3889	rVB2	650153	1795525	29.48%	3.072%

Sum of corrected areas: 58440143

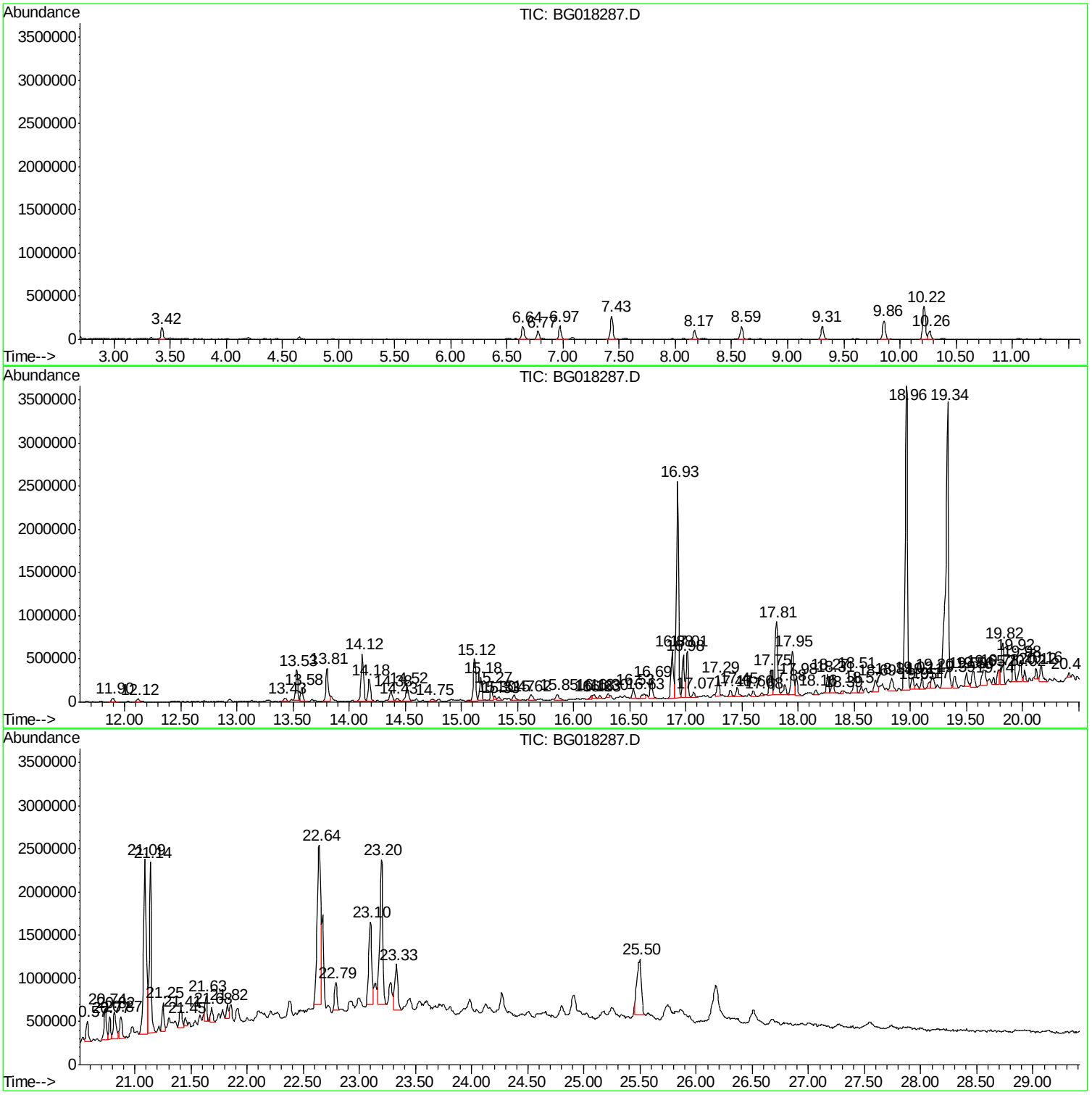
LSC Report - Integrated Chromatogram

Data Path : Z:\HPCHEM1\BNA G\DATA\BG080515\
Data File : BG018287.D
Acq On : 6 Aug 2015 00:57
Operator : UM/TP
Sample : G3109-11RE
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : C02L4RE

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\BG080515\
Data File : BG018287.D
Acq On : 6 Aug 2015 00:57
Operator : UM/TP
Sample : G3109-11RE
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : C02L4RE

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

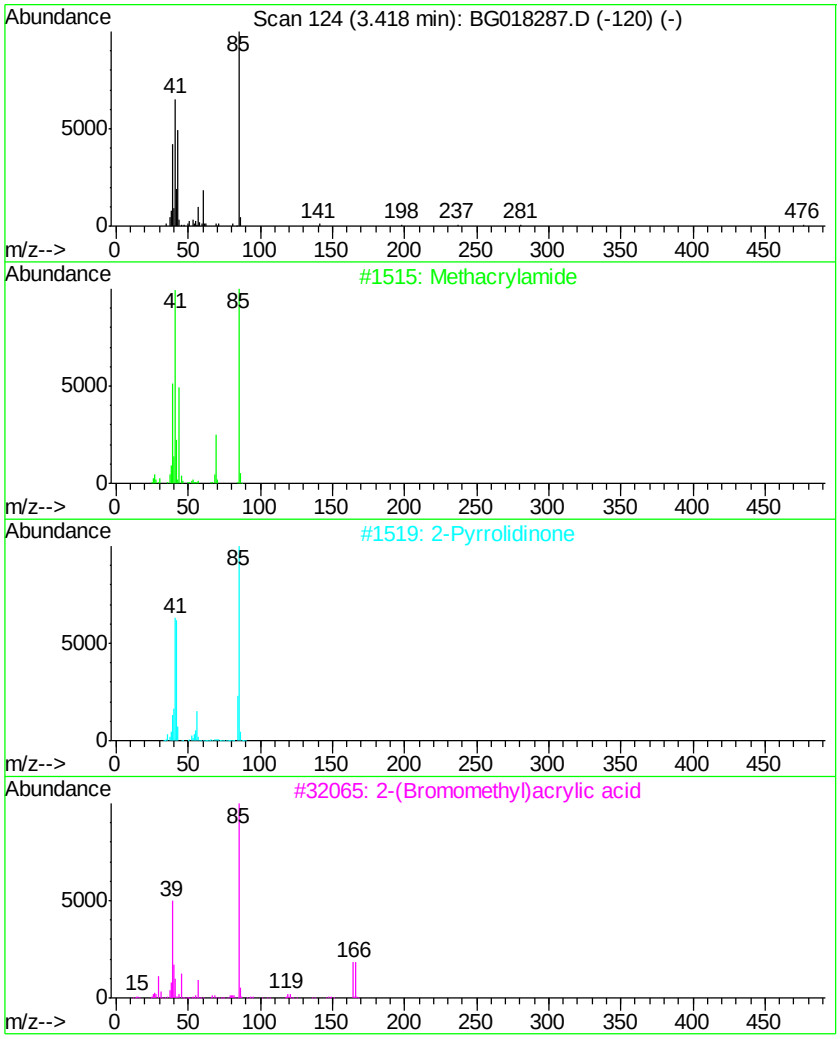
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

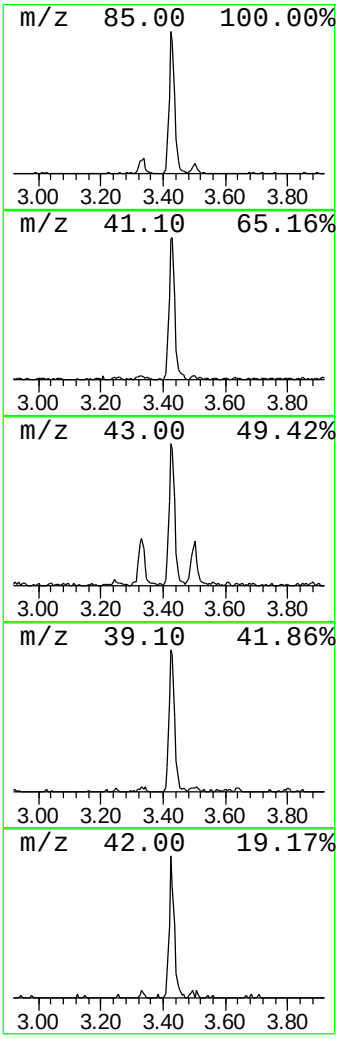
****

Peak Number 1 Methacrylamide Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.42	8.64 ng/ul	173068	1,4-Dichlorobenzene-d4	7.43

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Methacrylamide	85	C4H7NO	000079-39-0	50
2	2-Pyrrolidinone	85	C4H7NO	000616-45-5	50
3	2-(Bromomethyl)acrylic acid	164	C4H5BrO2	072707-66-5	40
4	Oxirane, (2-methylpropyl)-	100	C6H12O	023850-78-4	39
5	Oxetane, 2-ethyl-3-methyl-	100	C6H12O	053778-62-4	39





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA G\DATA\BG080515\
Data File : BG018287.D
Acq On : 6 Aug 2015 00:57
Operator : UM/TP
Sample : G3109-11RE
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : C02L4RE

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

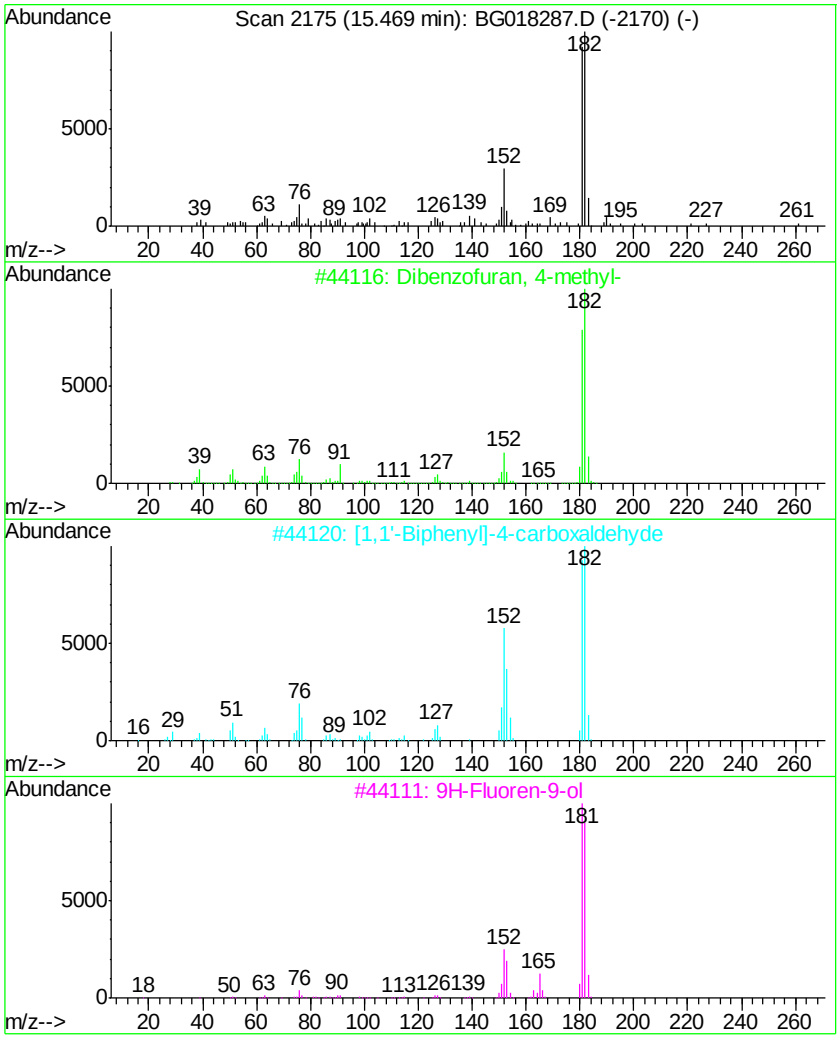
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

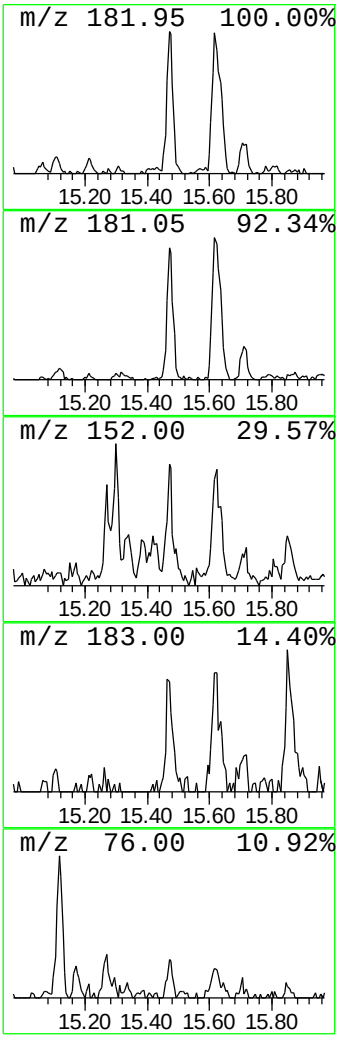
****

Peak Number 2 Dibenzofuran, 4-methyl- Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.47	3.06 ng/ul	127046	Acenaphthene-d10	14.12

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dibenzofuran, 4-methyl-	182	C13H10O	007320-53-8	87
2	[1,1'-Biphenyl]-4-carboxaldehyde	182	C13H10O	003218-36-8	86
3	9H-Fluoren-9-ol	182	C13H10O	001689-64-1	86
4	2,4,6-Cycloheptatrien-1-one, 2-p...	182	C13H10O	014562-09-5	83
5	[1,1'-Biphenyl]-4-carboxaldehyde	182	C13H10O	003218-36-8	74





Data Path : Z:\HPCHEM1\BNA G\DATA\BG080515\
Data File : BG018287.D
Acq On : 6 Aug 2015 00:57
Operator : UM/TP
Sample : G3109-11RE
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : C02L4RE

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

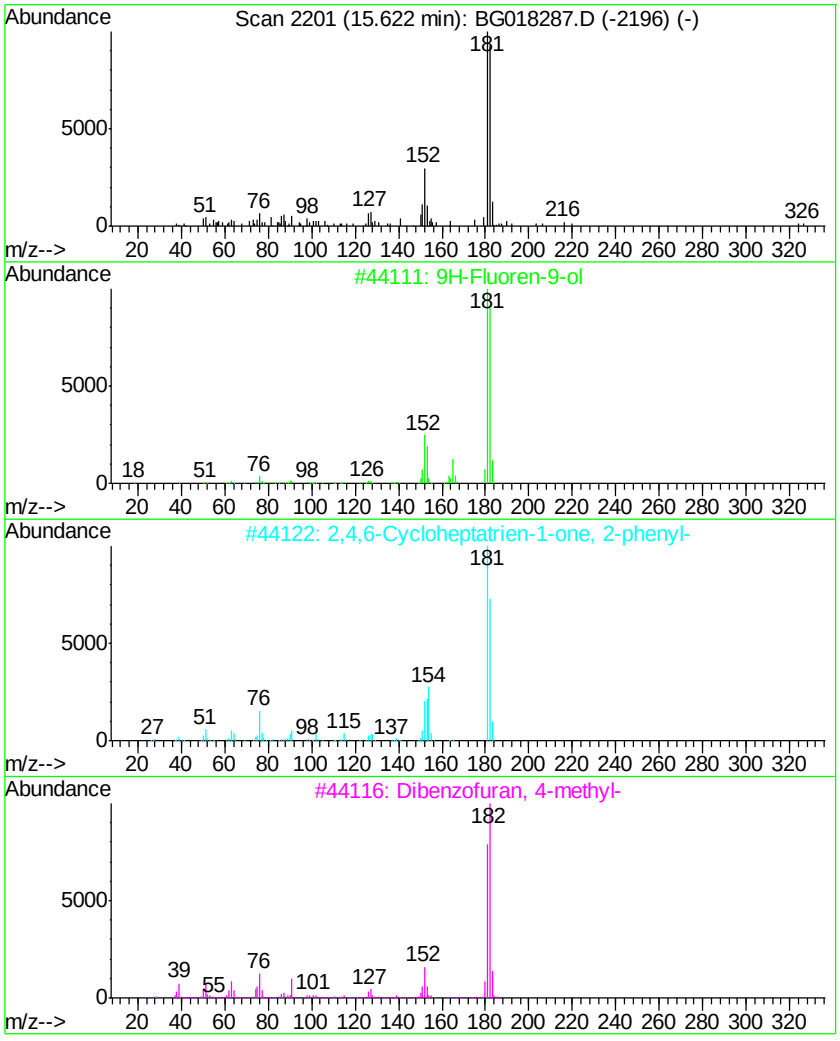
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

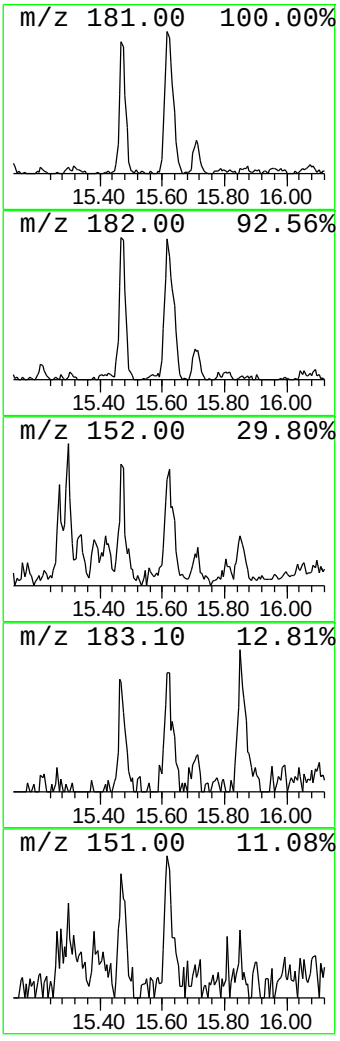
****

Peak Number 3 9H-Fluoren-9-ol Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.62	3.14 ng/ul	126893	Phenanthrene-d10	16.88

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9H-Fluoren-9-ol	182	C13H10O	001689-64-1	87
2	2,4,6-Cycloheptatrien-1-one, 2-p...	182	C13H10O	014562-09-5	86
3	Dibenzofuran, 4-methyl-	182	C13H10O	007320-53-8	78
4	9H-Fluoren-9-ol	182	C13H10O	001689-64-1	78
5	3-(2-Naphthyl)acrylaldehyde	182	C13H10O	020884-05-3	72





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA G\DATA\BG080515\
Data File : BG018287.D
Acq On : 6 Aug 2015 00:57
Operator : UM/TP
Sample : G3109-11RE
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : C02L4RE

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

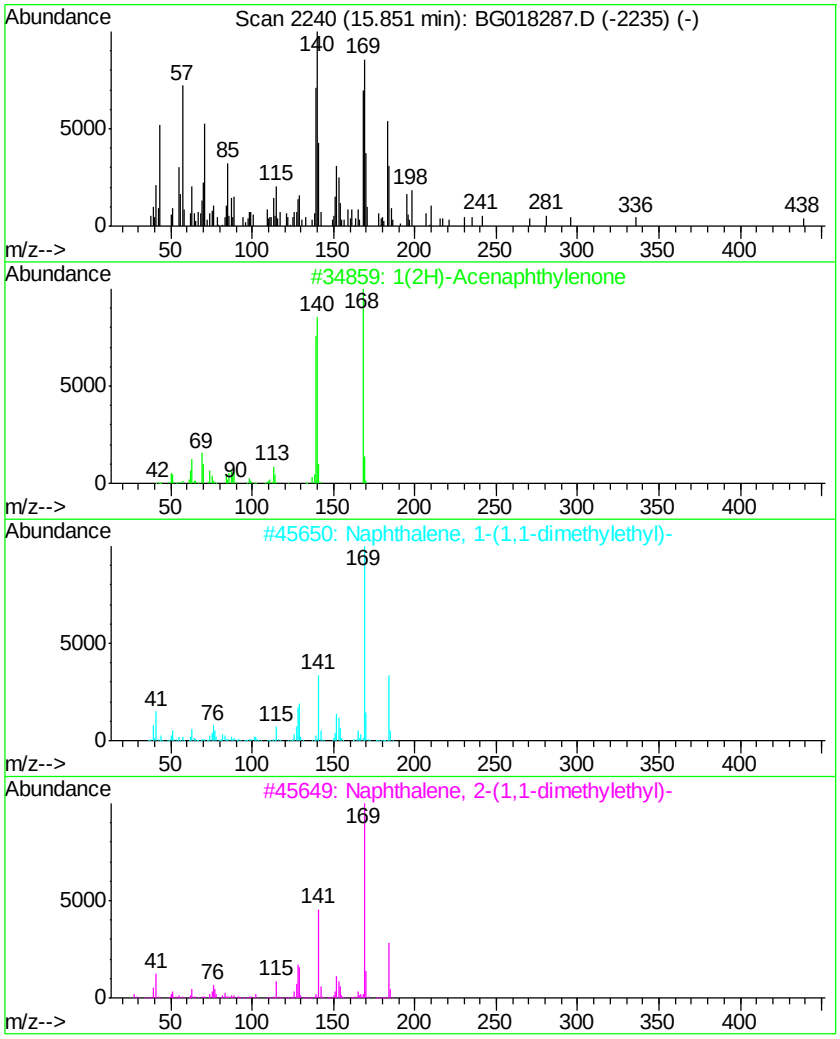
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

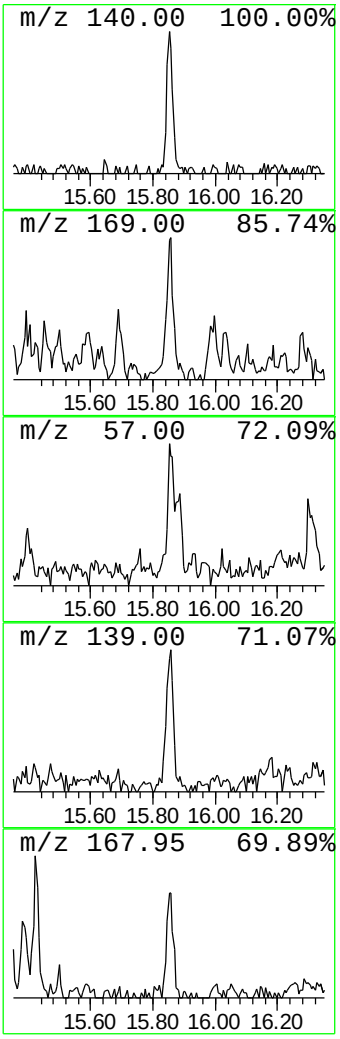
****

Peak Number 4 unknown-01 Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.85	3.14 ng/ul	126926	Phenanthrene-d10	16.88

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1(2H)-Acenaphthylenone	168	C12H8O	002235-15-6	46
2	Naphthalene, 1-(1,1-dimethylethyl)-	184	C14H16	017085-91-5	38
3	Naphthalene, 2-(1,1-dimethylethyl)-	184	C14H16	002876-35-9	38
4	1H-Inden-1-one, 4,7-difluoro-2,3...	168	C9H6F2O	130408-16-1	27
5	Naphthalene, 1-isocyanato-	169	C11H7NO	000086-84-0	27





Data Path : Z:\HPCHEM1\BNA G\DATA\BG080515\
Data File : BG018287.D
Acq On : 6 Aug 2015 00:57
Operator : UM/TP
Sample : G3109-11RE
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : C02L4RE

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

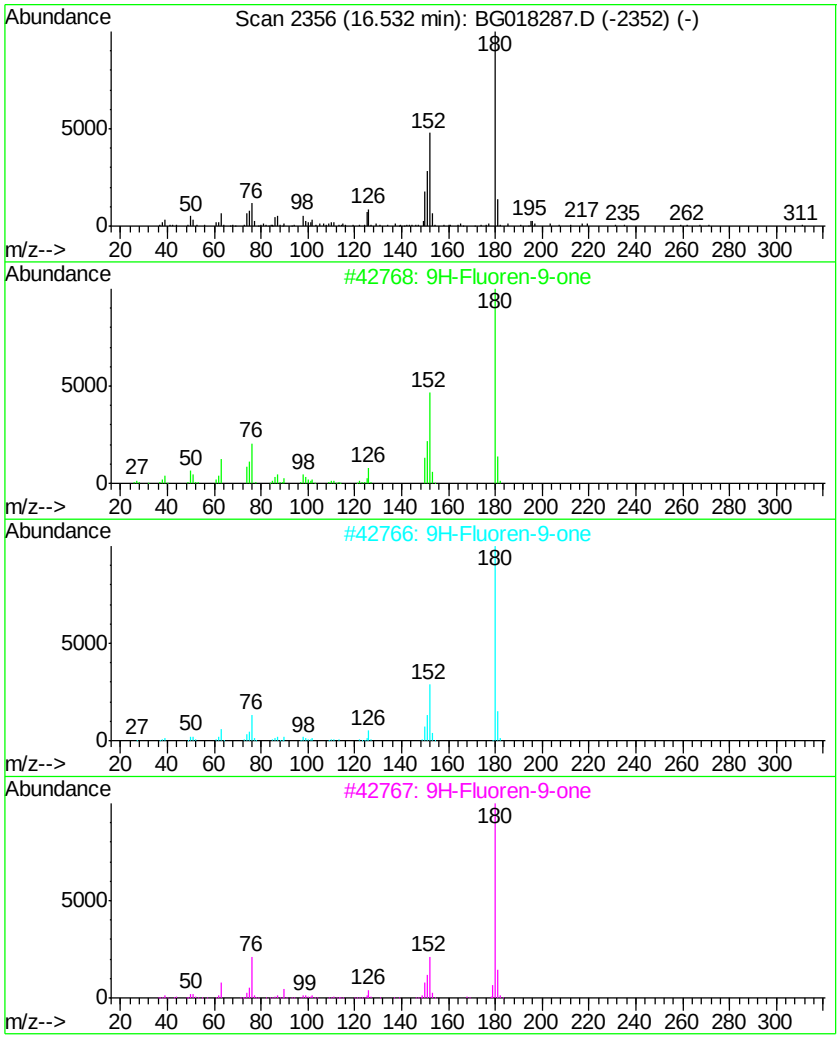
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

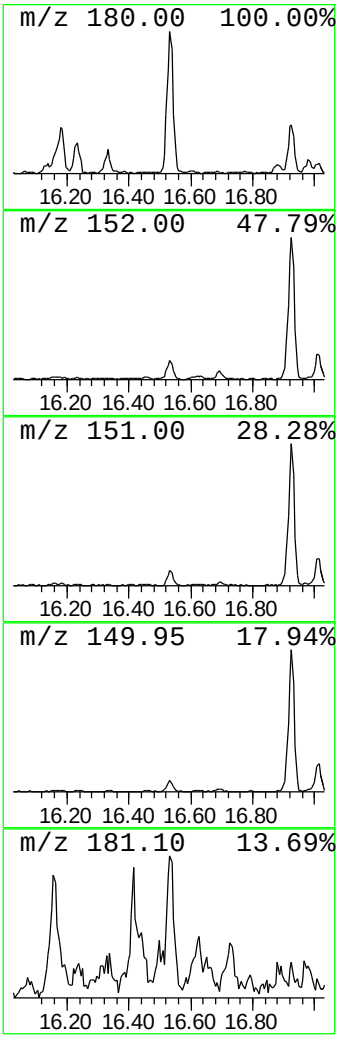
****

Peak Number 5 9H-Fluoren-9-one Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.53	4.39 ng/ul	177329	Phenanthrene-d10	16.88

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9H-Fluoren-9-one	180	C13H8O	000486-25-9	94
2	9H-Fluoren-9-one	180	C13H8O	000486-25-9	91
3	9H-Fluoren-9-one	180	C13H8O	000486-25-9	91
4	Benzo[h]cinnoline	180	C12H8N2	000230-31-9	83
5	1H-Phenalen-1-one	180	C13H8O	000548-39-0	80





Data Path : Z:\HPCHEM1\BNA G\DATA\BG080515\
Data File : BG018287.D
Acq On : 6 Aug 2015 00:57
Operator : UM/TP
Sample : G3109-11RE
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : C02L4RE

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

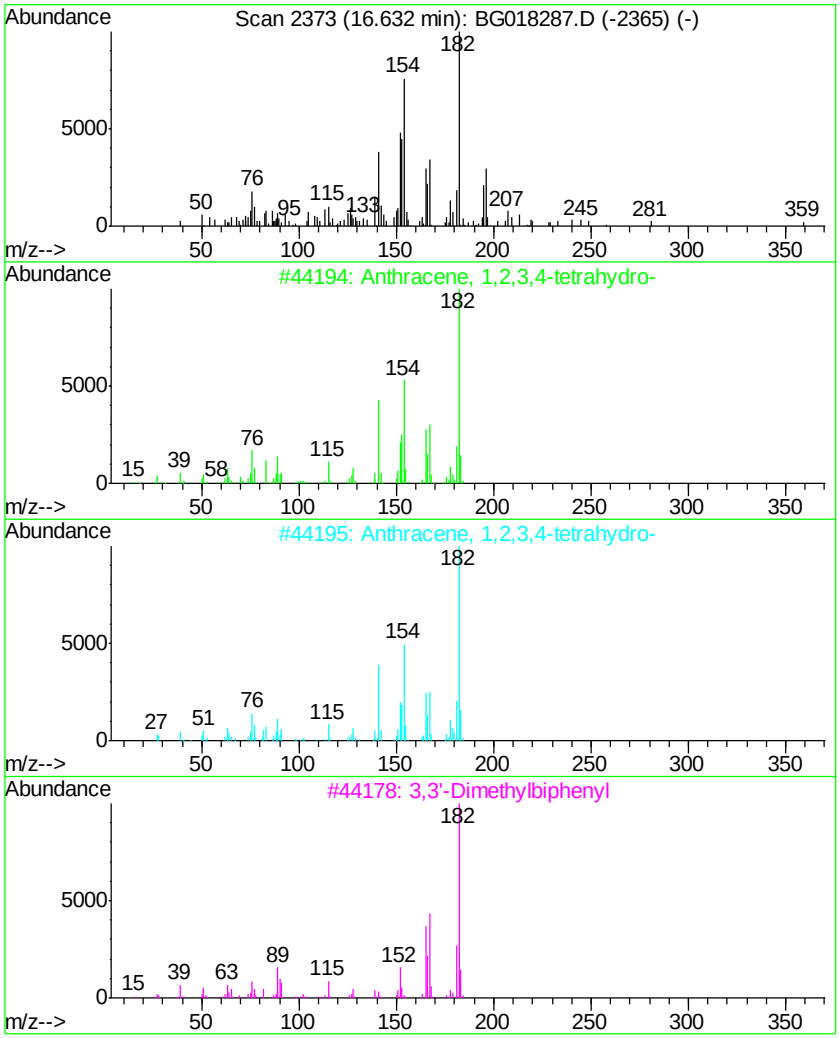
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

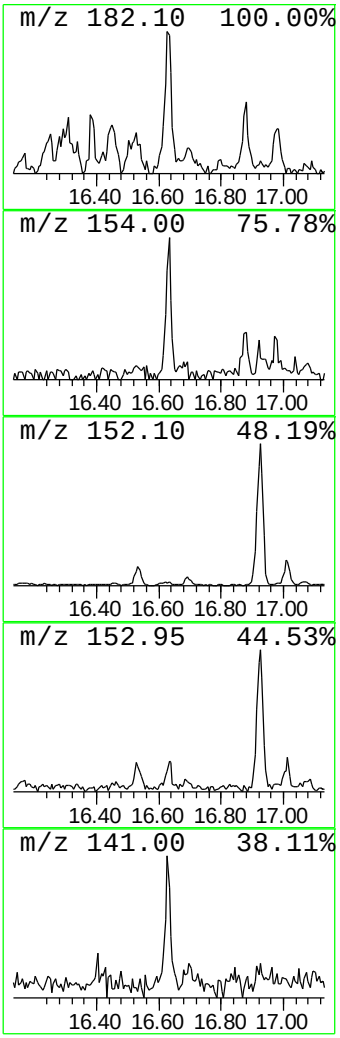
****

Peak Number 6 Anthracene, 1,2,3,4-tetrahy... Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.63	3.26 ng/ul	131896	Phenanthrene-d10	16.88

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene, 1,2,3,4-tetrahydro-	182	C14H14	002141-42-6	70
2	Anthracene, 1,2,3,4-tetrahydro-	182	C14H14	002141-42-6	64
3	3,3'-Dimethylbiphenyl	182	C14H14	000612-75-9	43
4	Phenanthrene, 1,2,3,4-tetrahydro-	182	C14H14	001013-08-7	38
5	1,1'-Biphenyl, 3,4'-dimethyl-	182	C14H14	007383-90-6	38





Data Path : Z:\HPCHEM1\BNA G\DATA\BG080515\
Data File : BG018287.D
Acq On : 6 Aug 2015 00:57
Operator : UM/TP
Sample : G3109-11RE
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : C02L4RE

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

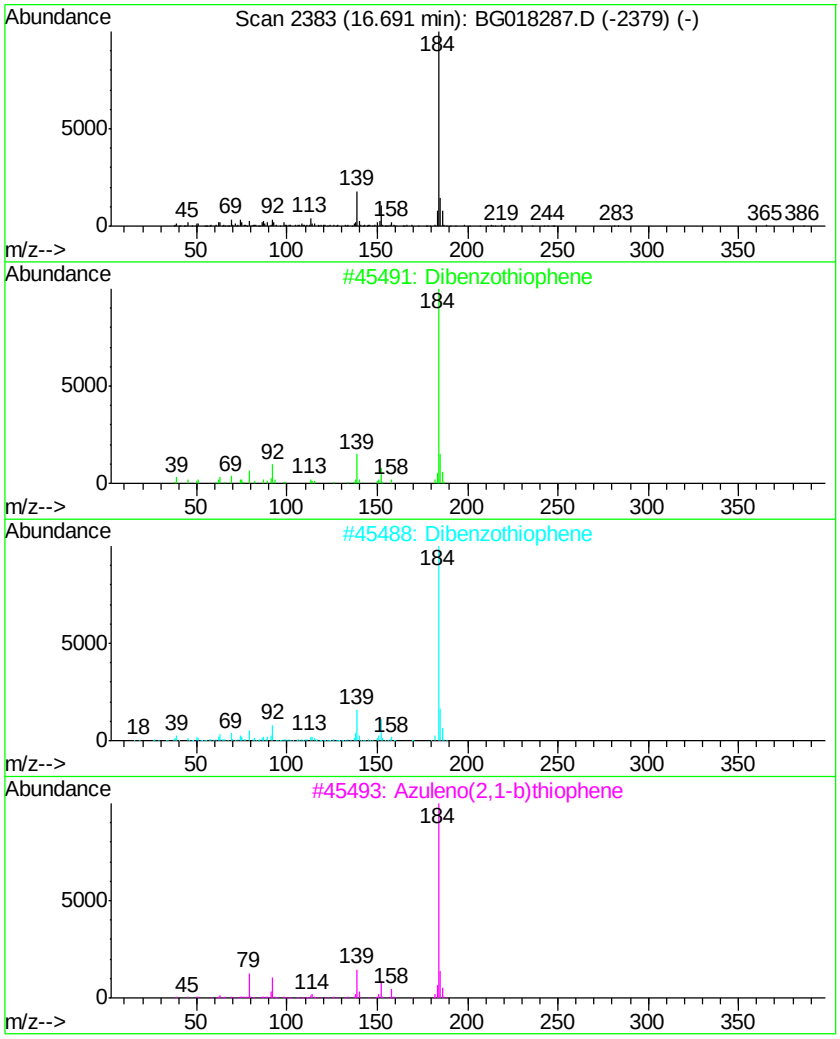
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

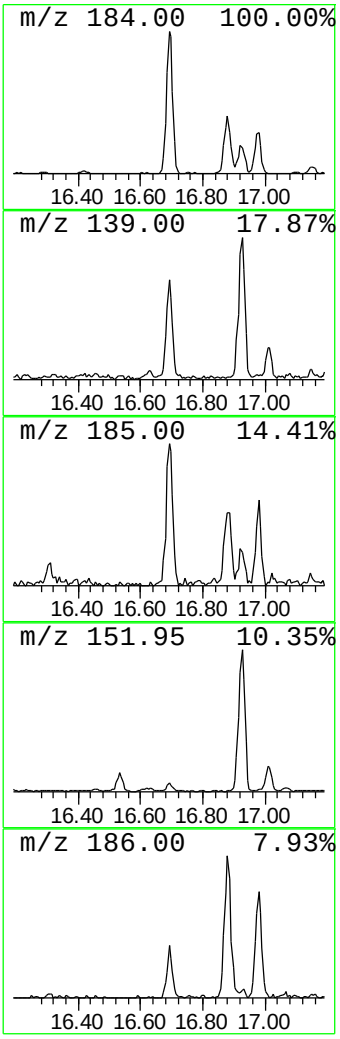
****

Peak Number 7 Dibenzothiophene Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.69	7.71 ng/ul	311652	Phenanthrene-d10	16.88

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dibenzothiophene	184	C12H8S	000132-65-0	94
2	Dibenzothiophene	184	C12H8S	000132-65-0	93
3	Azuleno(2,1-b)thiophene	184	C12H8S	000248-13-5	91
4	Dibenzothiophene	184	C12H8S	000132-65-0	91
5	Naphtho[2,3-b]thiophene	184	C12H8S	000268-77-9	90





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA G\DATA\BG080515\
Data File : BG018287.D
Acq On : 6 Aug 2015 00:57
Operator : UM/TP
Sample : G3109-11RE
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : C02L4RE

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

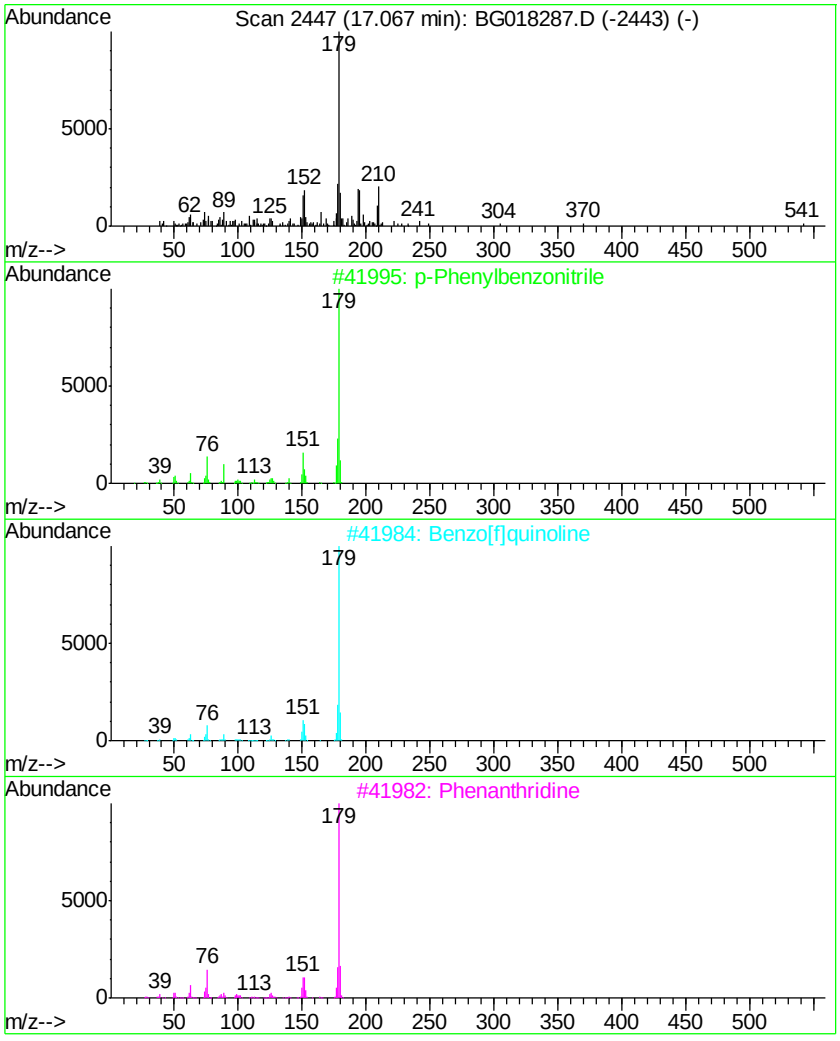
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

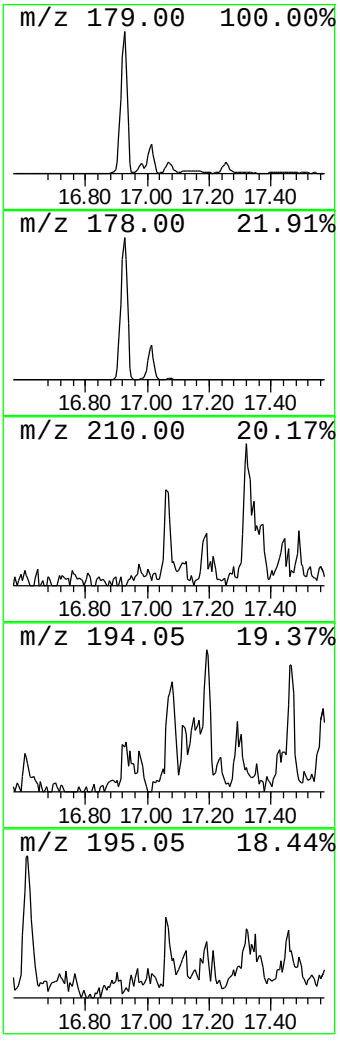
****

Peak Number 8 p-Phenylbenzonitrile Concentration Rank 26

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.07	2.39 ng/ul	96649	Phenanthrene-d10	16.88

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	p-Phenylbenzonitrile	179	C13H9N	002920-38-9	78
2	Benzo[f]quinoline	179	C13H9N	000085-02-9	60
3	Phenanthridine	179	C13H9N	000229-87-8	60
4	Benzo[h]quinoline	179	C13H9N	000230-27-3	53
5	Phenanthridine	179	C13H9N	000229-87-8	53





Data Path : Z:\HPCHEM1\BNA G\DATA\BG080515\
Data File : BG018287.D
Acq On : 6 Aug 2015 00:57
Operator : UM/TP
Sample : G3109-11RE
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : C02L4RE

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

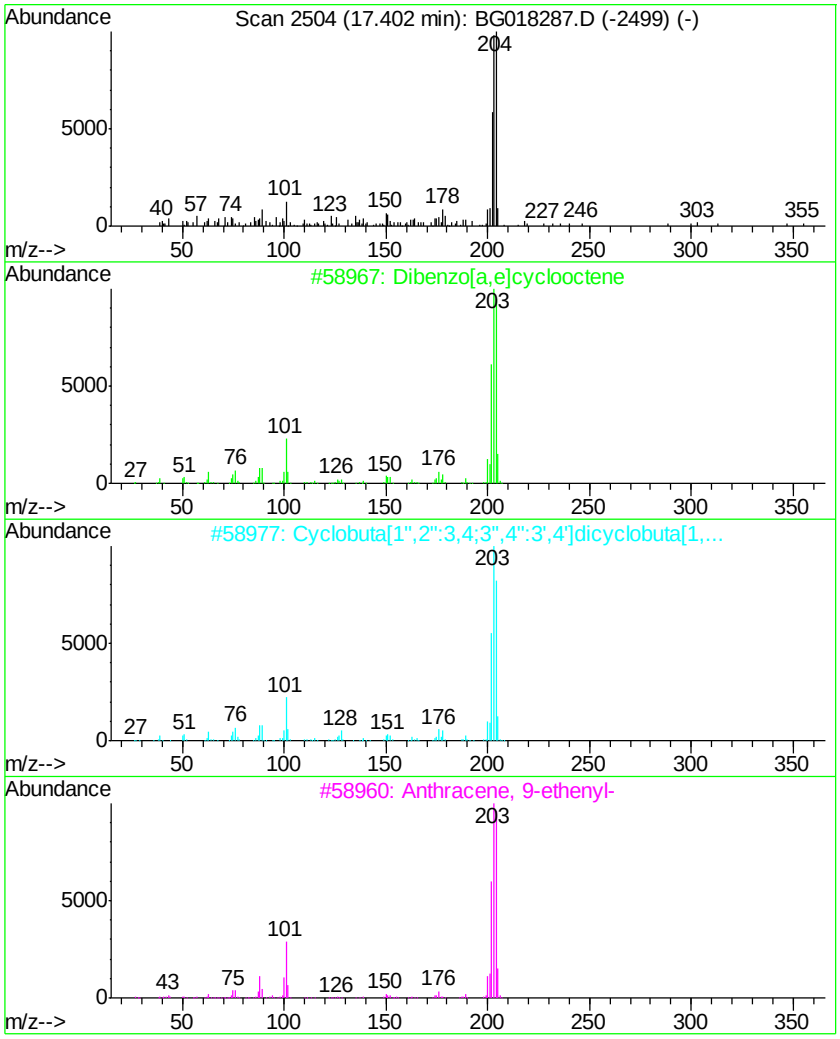
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

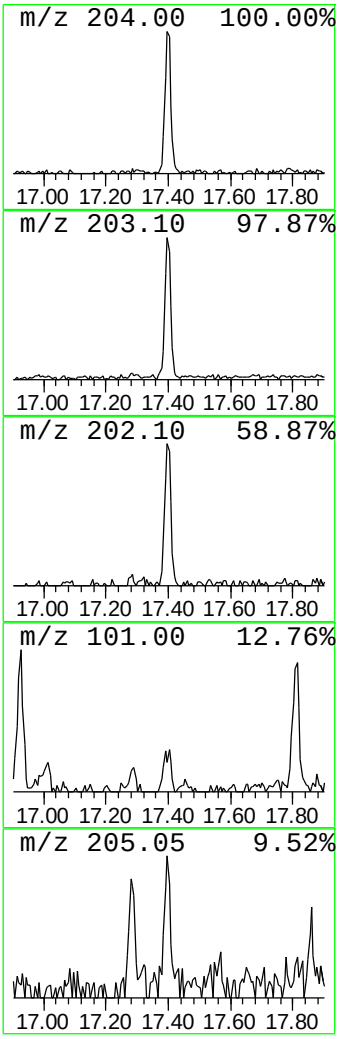
****

Peak Number 9 Dibenzo[a,e]cyclooctene Concentration Rank 24

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.40	2.43 ng/ul	98184	Phenanthrene-d10	16.88

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dibenzo[a,e]cyclooctene	204	C16H12	000262-89-5	86
2	Cyclobuta[1'',2'':3,4;3'',4'':3'...	204	C16H12	006574-36-3	70
3	Anthracene, 9-ethenyl-	204	C16H12	002444-68-0	62
4	Indeno[2,1-a]indene, 5,10-dihydro-	204	C16H12	006543-29-9	58
5	Benzene, 1,1'-(1-buten-3-yne-1,4...	204	C16H12	013141-45-2	49





Data Path : Z:\HPCHEM1\BNA G\DATA\BG080515\
Data File : BG018287.D
Acq On : 6 Aug 2015 00:57
Operator : UM/TP
Sample : G3109-11RE
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : C02L4RE

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

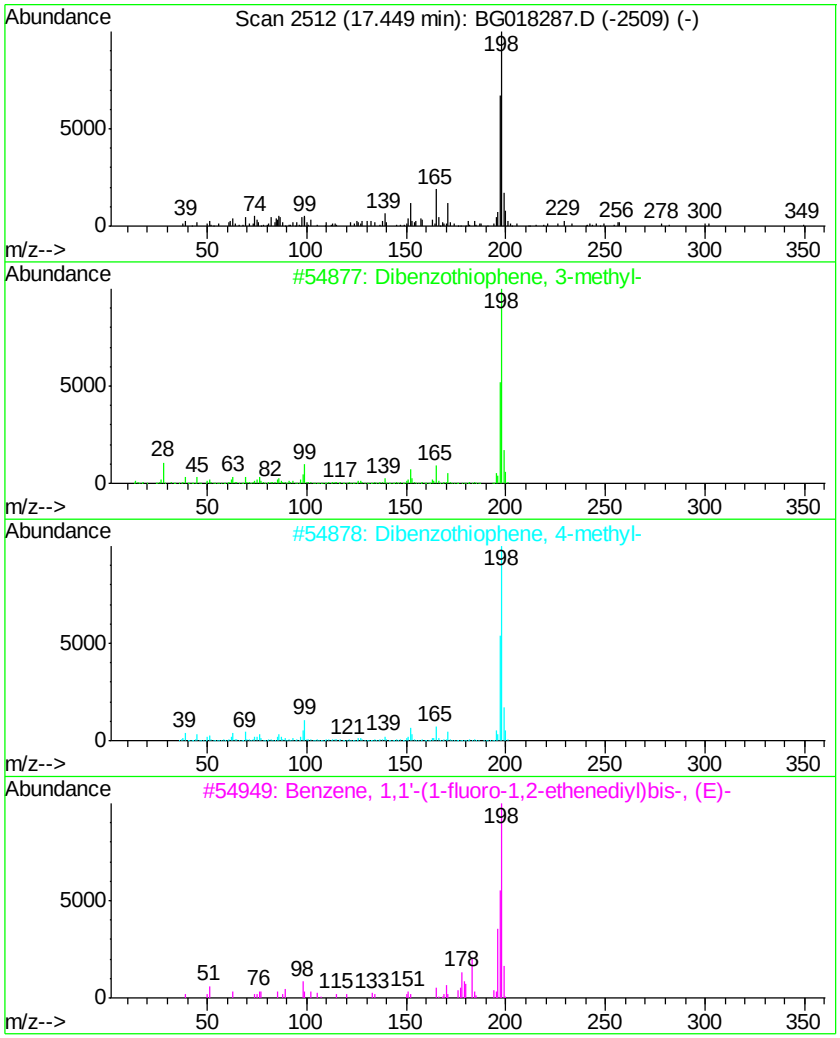
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

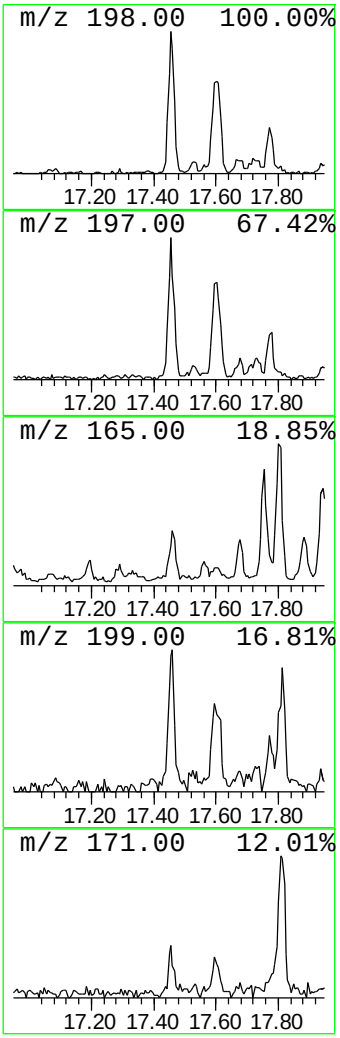
****

Peak Number 10 Dibenzothiophene, 3-methyl- Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.45	4.09 ng/ul	165504	Phenanthrene-d10	16.88

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dibenzothiophene, 3-methyl-	198	C13H10S	016587-52-3	93
2	Dibenzothiophene, 4-methyl-	198	C13H10S	007372-88-5	90
3	Benzene, 1,1'-(1-fluoro-1,2-ethe...	198	C14H11F	000671-19-2	72
4	Benzenamine, 4,4'-methylenebis-	198	C13H14N2	000101-77-9	64
5	Thioxanthene	198	C13H10S	000261-31-4	64





Data Path : Z:\HPCHEM1\BNA G\DATA\BG080515\
Data File : BG018287.D
Acq On : 6 Aug 2015 00:57
Operator : UM/TP
Sample : G3109-11RE
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : C02L4RE

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

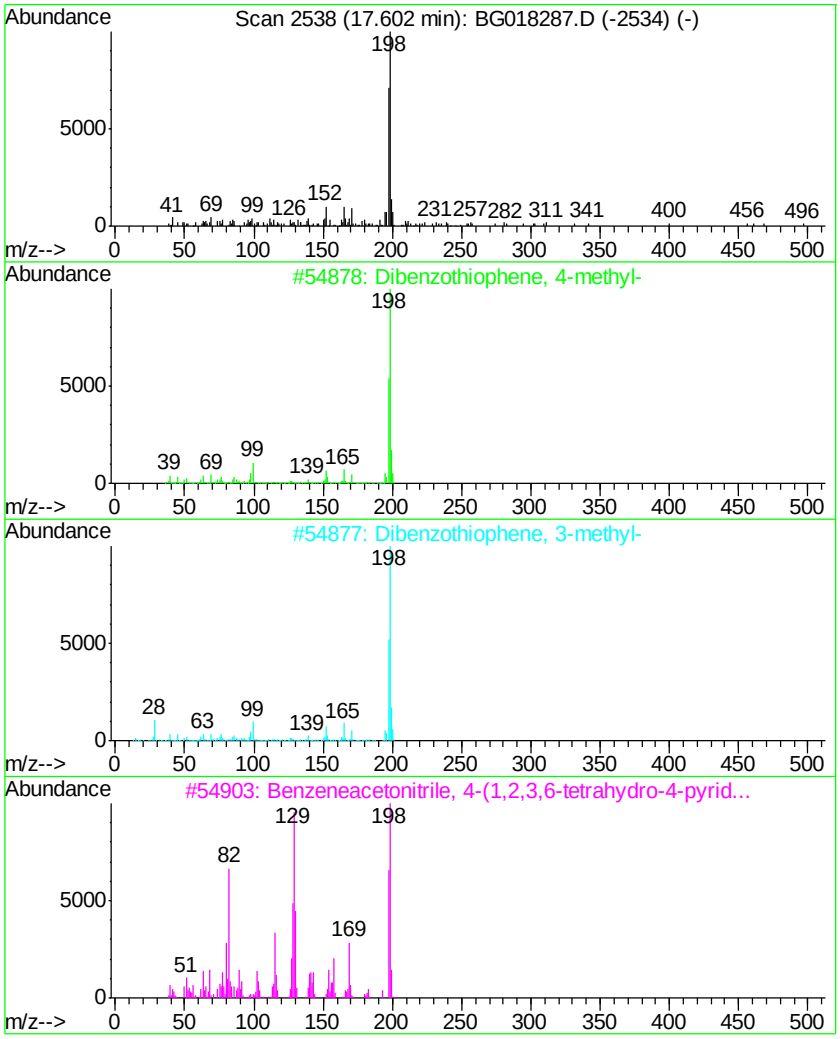
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

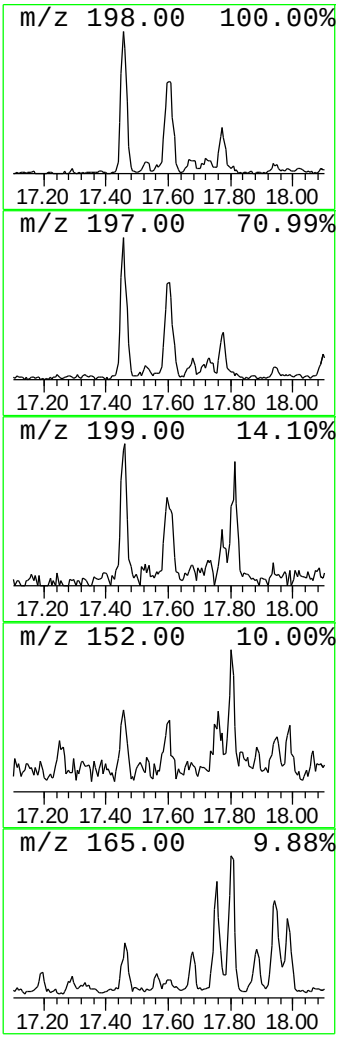
****

Peak Number 11 Dibenzothiophene, 4-methyl- Concentration Rank 23

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.60	2.56 ng/ul	103551	Phenanthrene-d10	16.88

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dibenzothiophene, 4-methyl-	198	C13H10S	007372-88-5	95
2	Dibenzothiophene, 3-methyl-	198	C13H10S	016587-52-3	90
3	Benzeneacetonitrile, 4-(1,2,3,6-...	198	C13H14N2	1000115-51-2	68
4	9-Acridinamine, 1,2,3,4-tetrahydro-	198	C13H14N2	000321-64-2	64
5	1,2,3,4-Tetrahydrophenanthren-9-ol	198	C14H14O	019817-12-0	64





Data Path : Z:\HPCHEM1\BNA G\DATA\BG080515\
Data File : BG018287.D
Acq On : 6 Aug 2015 00:57
Operator : UM/TP
Sample : G3109-11RE
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : C02L4RE

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

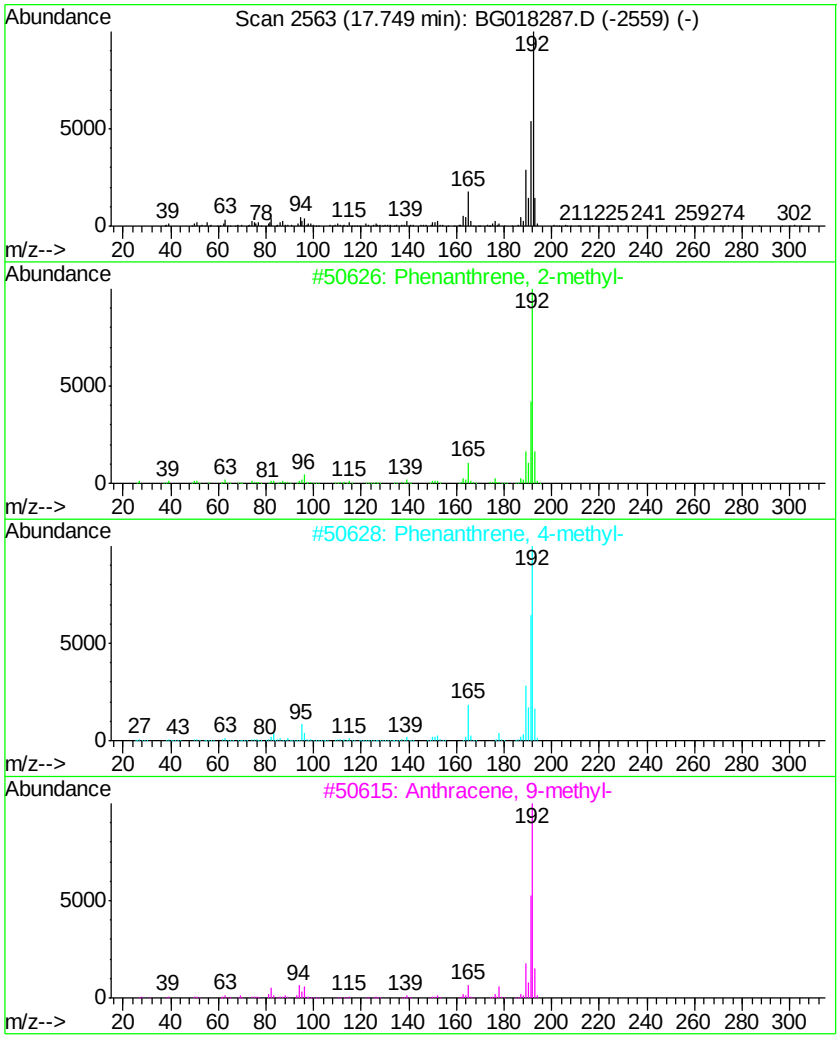
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

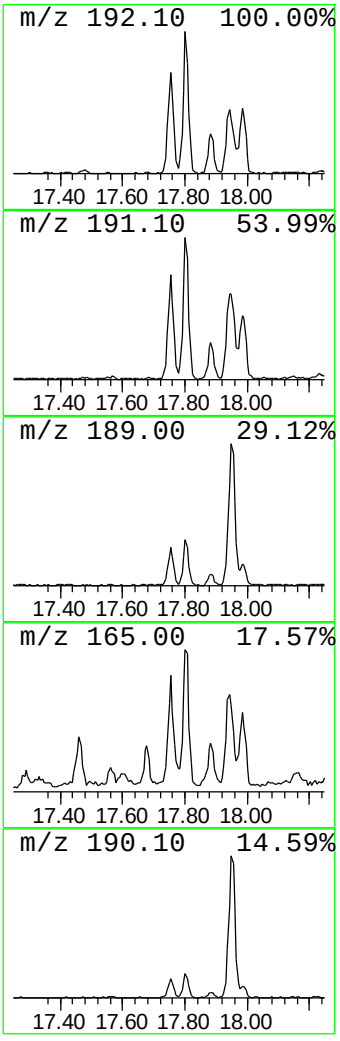
****

Peak Number 12 Phenanthrene, 2-methyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.75	10.67 ng/ul	431334	Phenanthrene-d10	16.88

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	93
2	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	93
3	Anthracene, 9-methyl-	192	C15H12	000779-02-2	93
4	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	91
5	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	91





Data Path : Z:\HPCHEM1\BNA G\DATA\BG080515\
Data File : BG018287.D
Acq On : 6 Aug 2015 00:57
Operator : UM/TP
Sample : G3109-11RE
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : C02L4RE

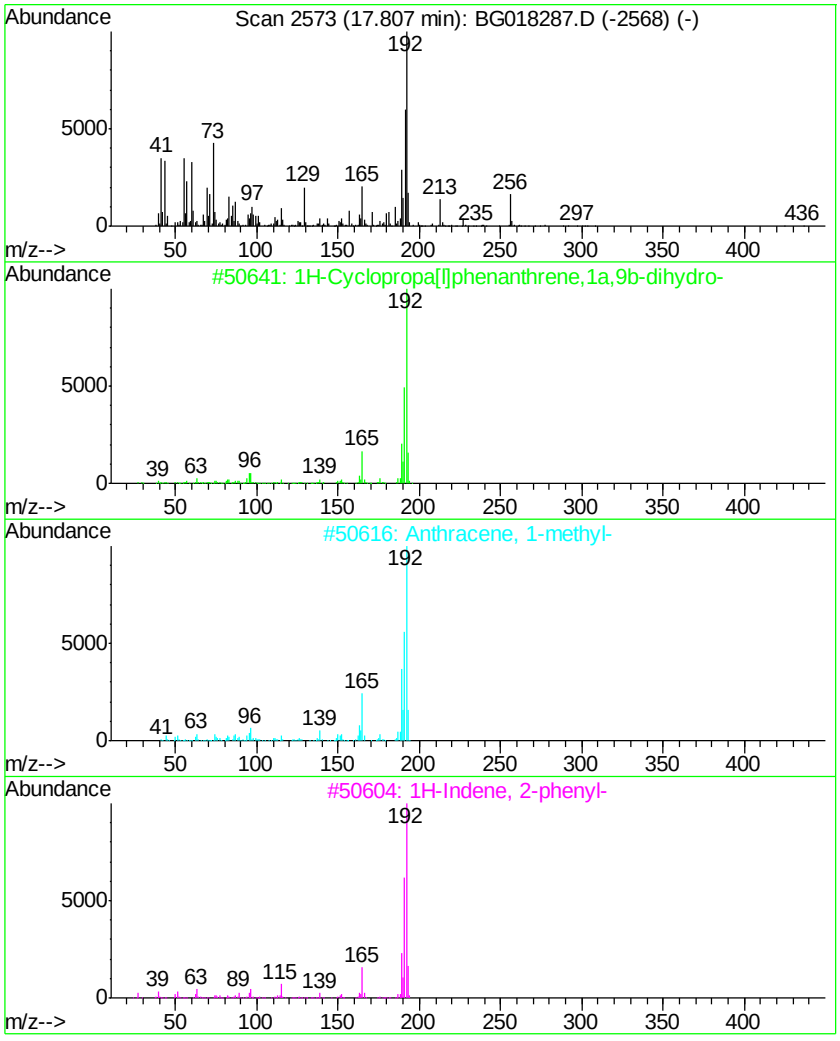
Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG080515.M
Quant Title : SVOA CALIBRATION

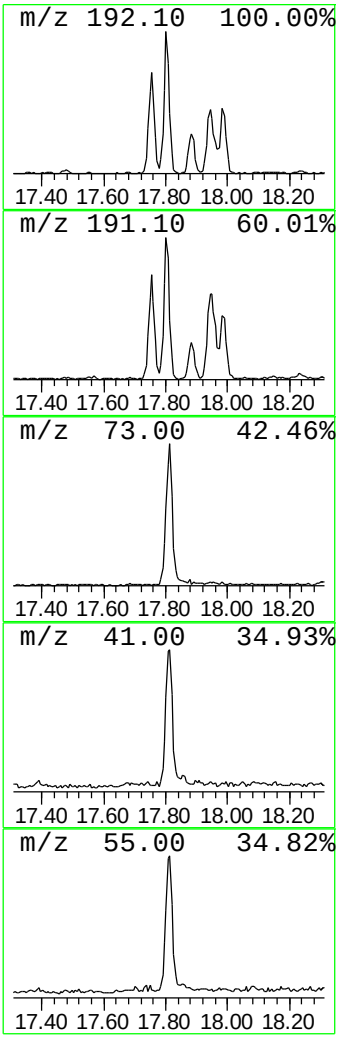
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 13 1H-Cyclopropa[l]phenanthren... Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.81	32.43 ng/ul	1311440	Phenanthrene-d10	16.88

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	93
2	Anthracene, 1-methyl-	192	C15H12	000610-48-0	91
3	1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	91
4	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	90
5	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	87





Data Path : Z:\HPCHEM1\BNA G\DATA\BG080515\
Data File : BG018287.D
Acq On : 6 Aug 2015 00:57
Operator : UM/TP
Sample : G3109-11RE
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : C02L4RE

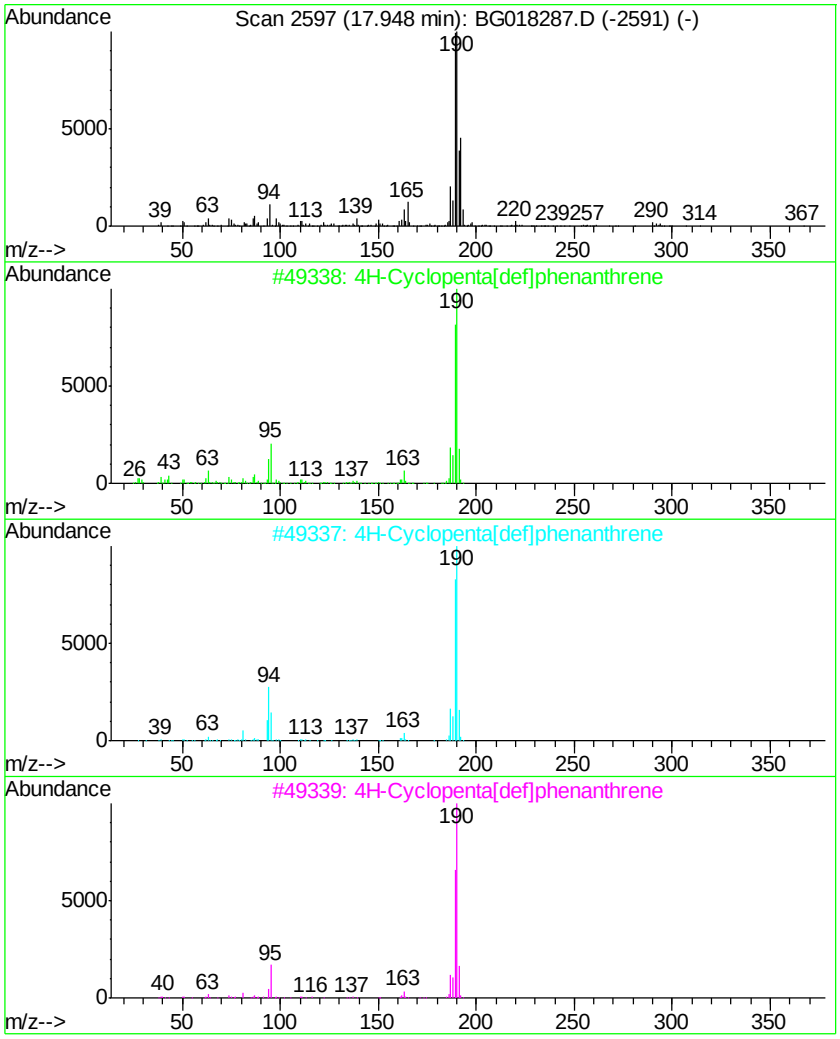
Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG080515.M
Quant Title : SVOA CALIBRATION

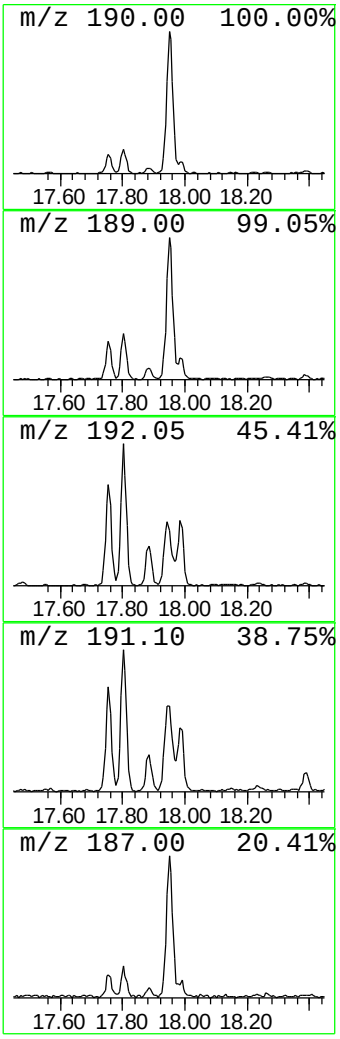
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 14 4H-Cyclopenta[def]phenanthrene Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.95	20.87 ng/ul	843922	Phenanthrene-d10	16.88

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	91
2	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	53
3	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	50
4	1,4-Naphthalenedione, 2,5-dihydr...	190	C10H6O4	004923-55-1	17
5	1-Methyl-2-phenylpiperidin-4-one	189	C12H15NO	091640-05-0	12





Data Path : Z:\HPCHEM1\BNA G\DATA\BG080515\
Data File : BG018287.D
Acq On : 6 Aug 2015 00:57
Operator : UM/TP
Sample : G3109-11RE
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : C02L4RE

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

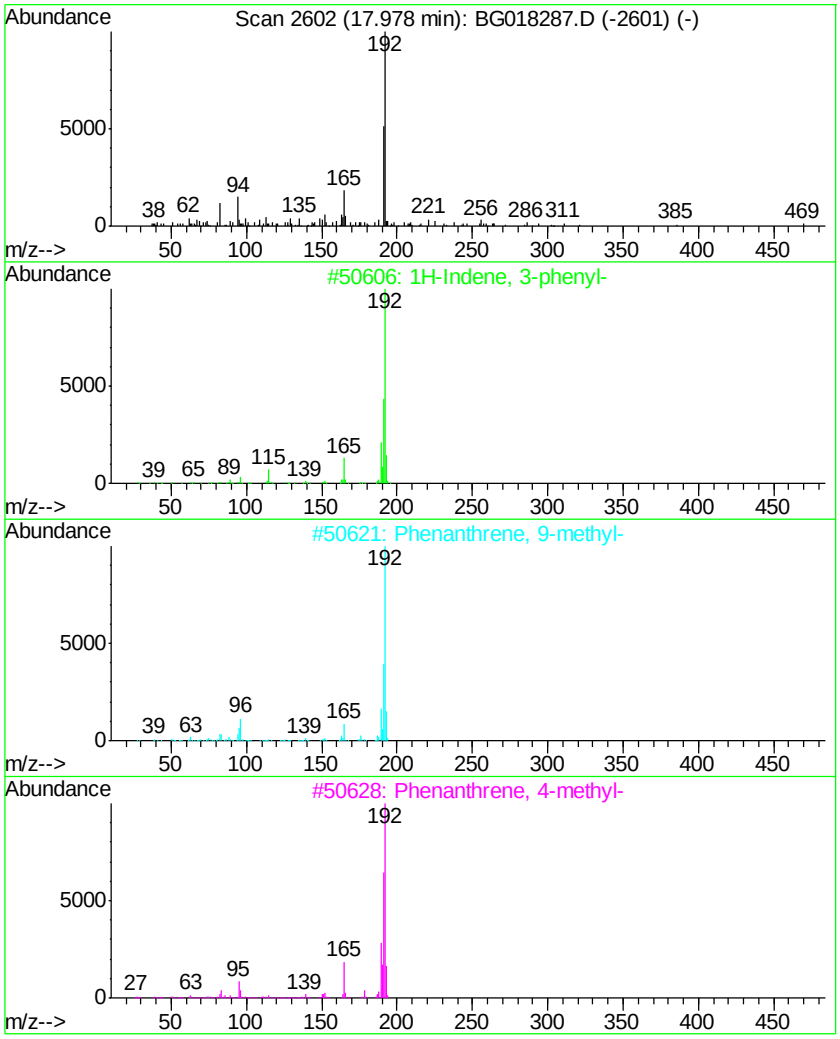
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

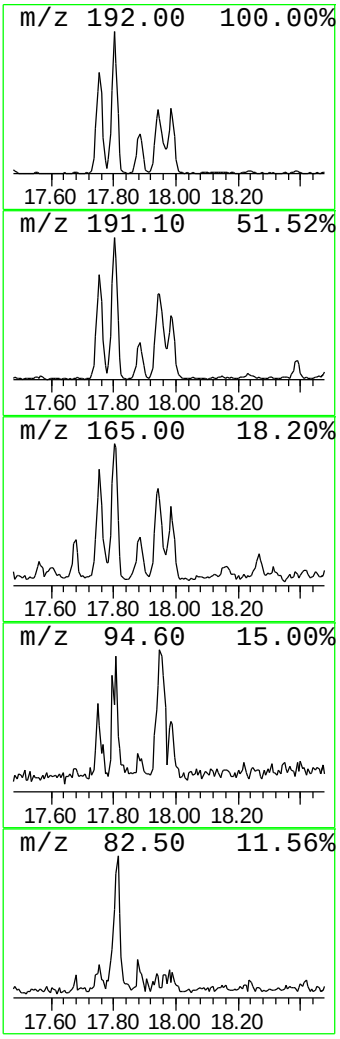
****

Peak Number 15 1H-Indene, 3-phenyl- Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.98	6.29 ng/ul	254503	Phenanthrene-d10	16.88

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1H-Indene, 3-phenyl-	192	C15H12	001961-97-3	87
2	Phenanthrene, 9-methyl-	192	C15H12	000883-20-5	87
3	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	87
4	1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	87
5	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	87





Data Path : Z:\HPCHEM1\BNA G\DATA\BG080515\
Data File : BG018287.D
Acq On : 6 Aug 2015 00:57
Operator : UM/TP
Sample : G3109-11RE
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : C02L4RE

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

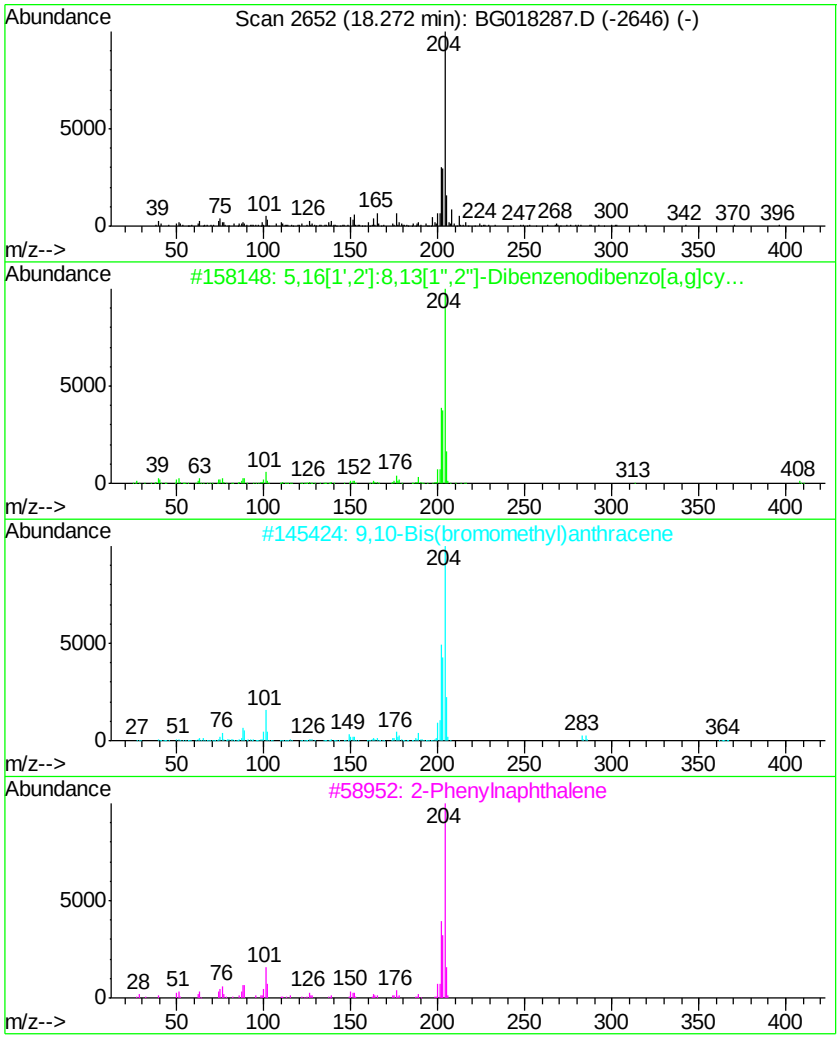
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

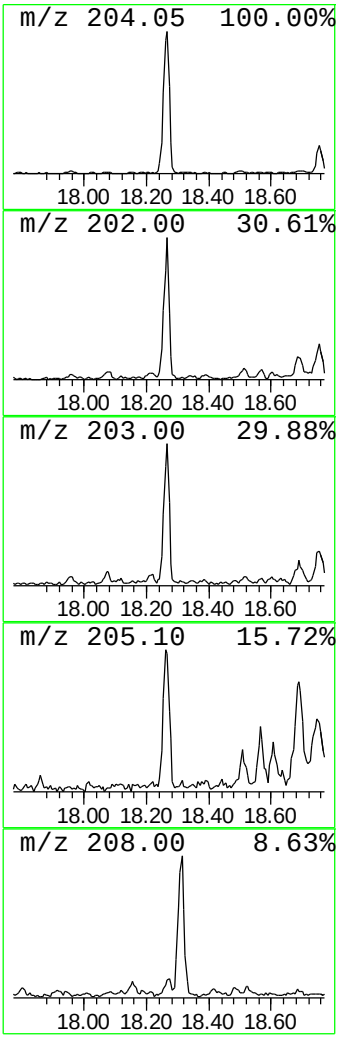
****

Peak Number 16 5,16[1',2']:8,13[1'',2'']-D... Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.27	6.89 ng/ul	278509	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	9,10-Bis(bromomethyl)anthracene	362	C16H12Br2	034373-96-1	72
3	2-Phenylnaphthalene	204	C16H12	035465-71-5	64
4	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	62
5	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	58





Data Path : Z:\HPCHEM1\BNA G\DATA\BG080515\
Data File : BG018287.D
Acq On : 6 Aug 2015 00:57
Operator : UM/TP
Sample : G3109-11RE
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : C02L4RE

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

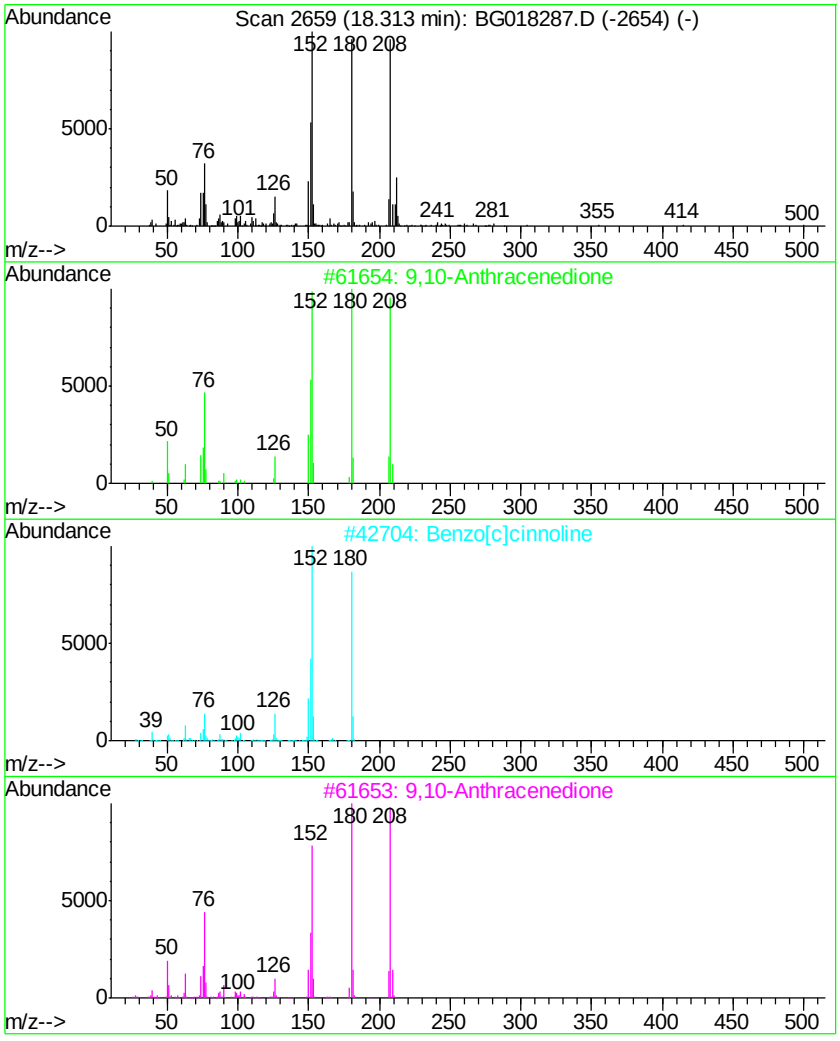
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

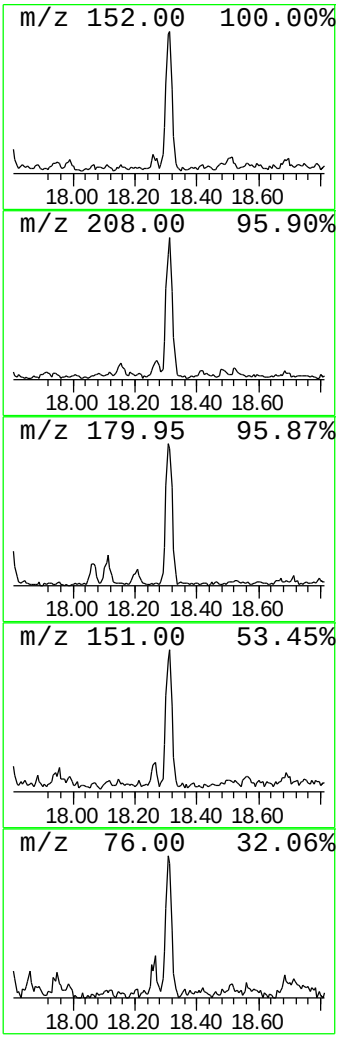
****

Peak Number 17 9,10-Anthracenedione Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.31	7.17 ng/ul	290053	Phenanthrene-d10	16.88

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9,10-Anthracenedione	208	C14H8O2	000084-65-1	93
2	Benzo[c]cinnoline	180	C12H8N2	000230-17-1	90
3	9,10-Anthracenedione	208	C14H8O2	000084-65-1	86
4	9H-Fluoren-9-one	180	C13H8O	000486-25-9	83
5	9,10-Anthracenedione	208	C14H8O2	000084-65-1	62





Data Path : Z:\HPCHEM1\BNA G\DATA\BG080515\
Data File : BG018287.D
Acq On : 6 Aug 2015 00:57
Operator : UM/TP
Sample : G3109-11RE
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : C02L4RE

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

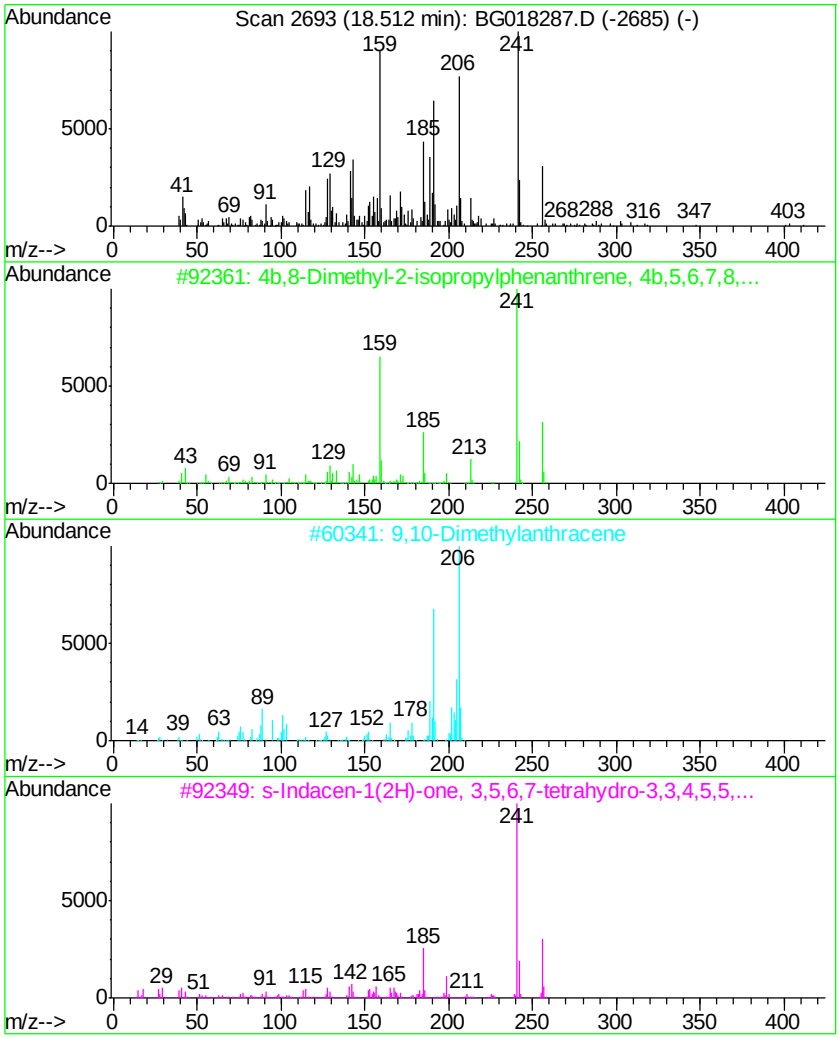
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

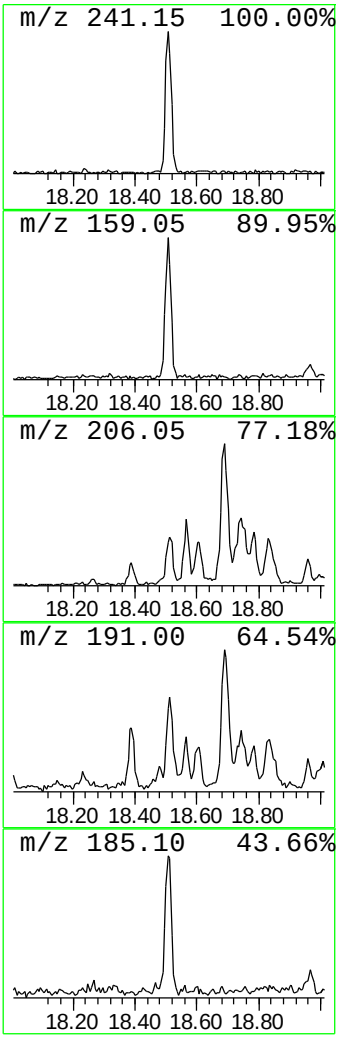
****

Peak Number 18 unknown-02 Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.51	9.24 ng/ul	373584	Phenanthrene-d10	16.88

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4b,8-Dimethyl-2-isopropylphenant...	256	C19H28	1000197-14-1	49
2	9,10-Dimethylanthracene	206	C16H14	000781-43-1	40
3	s-Indacen-1(2H)-one, 3,5,6,7-tet...	256	C18H24O	038754-94-8	38
4	As-Indacene, 1,2,3,6,7,8-hexahyd...	256	C19H28	017465-47-3	35
5	3,4-Dihydro-3,3-dimethyl-1,9(2H,...	241	C15H15NO2	1000212-95-2	30





Data Path : Z:\HPCHEM1\BNA G\DATA\BG080515\
Data File : BG018287.D
Acq On : 6 Aug 2015 00:57
Operator : UM/TP
Sample : G3109-11RE
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : C02L4RE

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

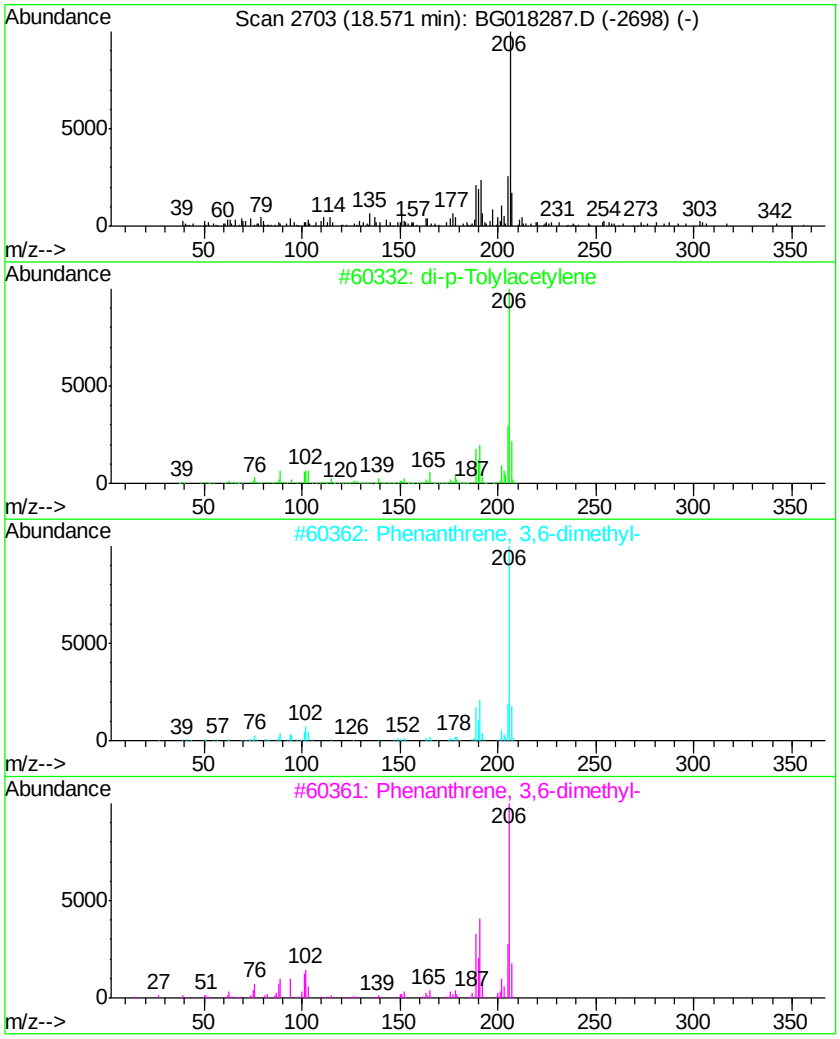
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

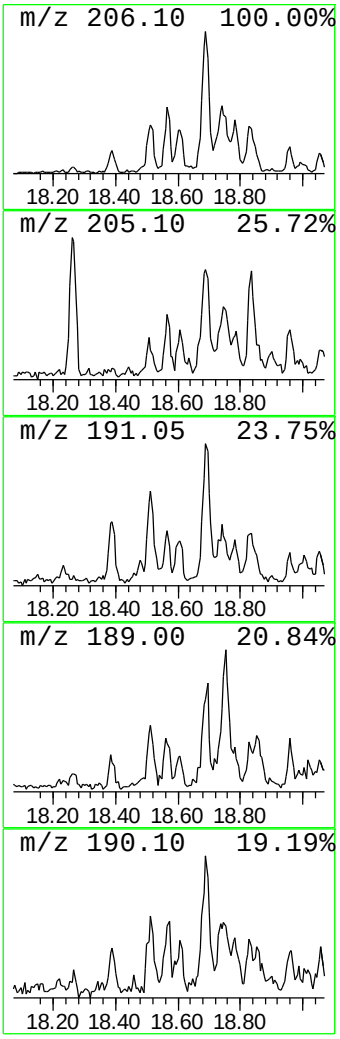
****

Peak Number 19 di-p-Tolylacetylene Concentration Rank 27

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.57	2.26 ng/ul	91487	Phenanthrene-d10	16.88

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	di-p-Tolylacetylene	206	C16H14	002789-88-0	87
2	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	87
3	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	87
4	Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	83
5	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	83





Data Path : Z:\HPCHEM1\BNA G\DATA\BG080515\
Data File : BG018287.D
Acq On : 6 Aug 2015 00:57
Operator : UM/TP
Sample : G3109-11RE
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : C02L4RE

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

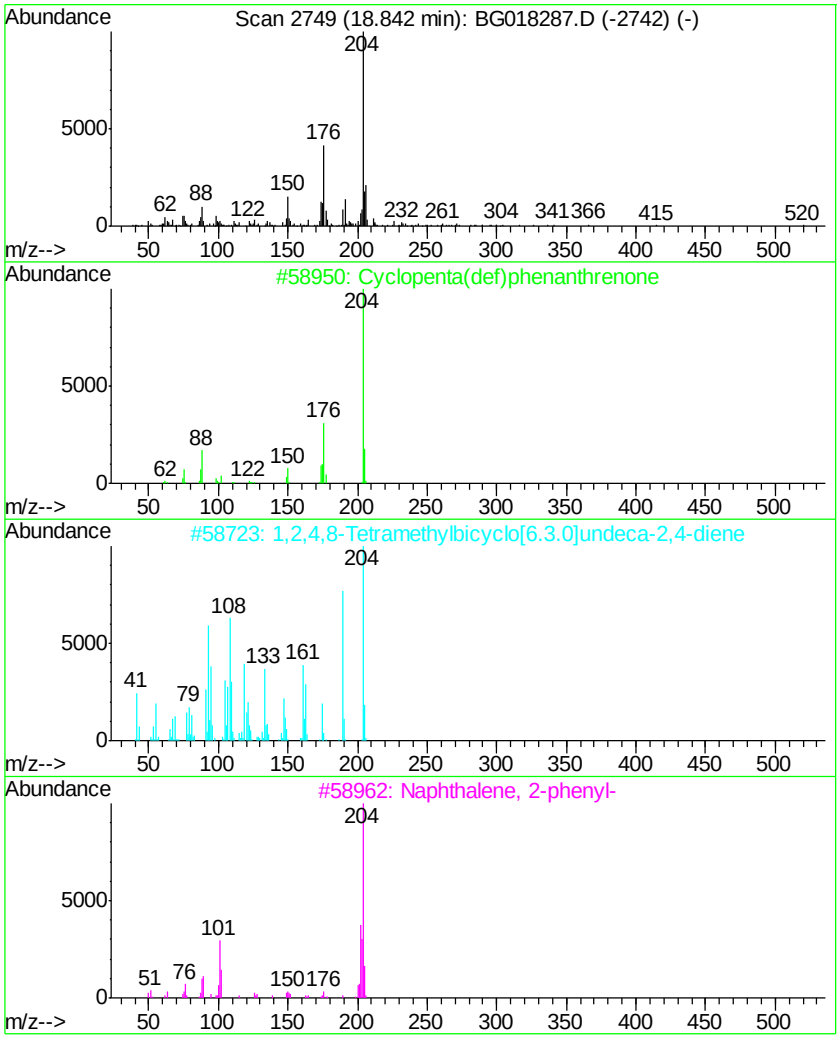
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

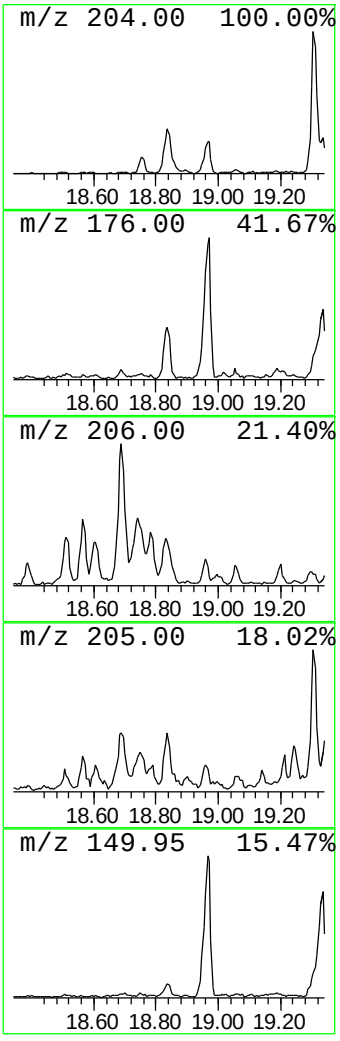
****

Peak Number 21 Cyclopenta(def)phenanthrenone Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.84	7.53 ng/ul	304477	Phenanthrene-d10	16.88

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopenta(def)phenanthrenone	204	C15H8O	005737-13-3	74
2	1,2,4,8-Tetramethylbicyclo[6.3.0...	204	C15H24	137235-51-9	50
3	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	43
4	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	43
5	N-(4-Chloro-phenyl)-2-(3,4-dihyd...	330	C17H15ClN2OS	1000296-34-3	42





Data Path : Z:\HPCHEM1\BNA G\DATA\BG080515\
Data File : BG018287.D
Acq On : 6 Aug 2015 00:57
Operator : UM/TP
Sample : G3109-11RE
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : C02L4RE

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

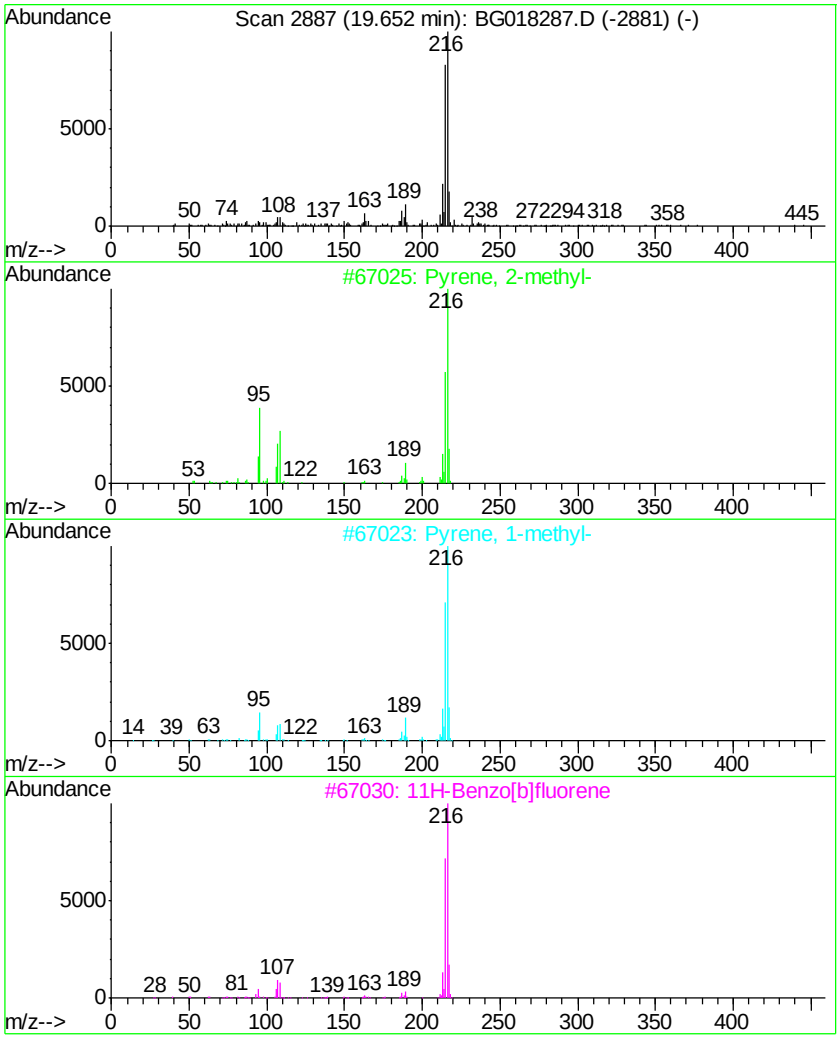
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

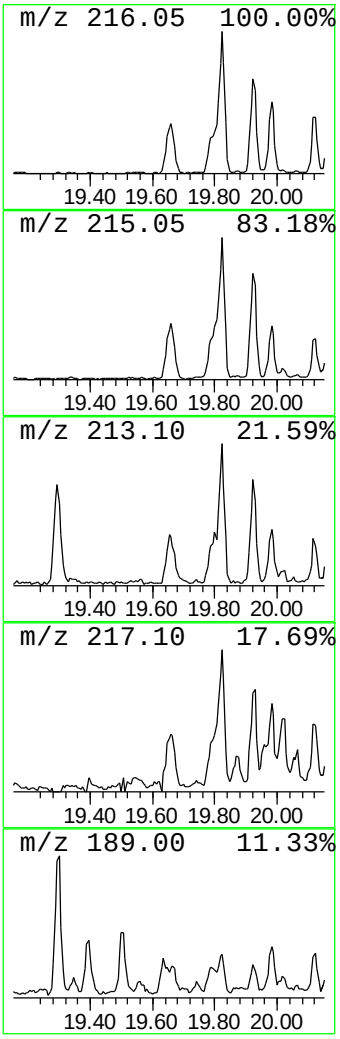
****

Peak Number 22 Pyrene, 2-methyl- Concentration Rank 25

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.65	2.42 ng/ul	448890	Chrysene-d12	21.10

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene, 2-methyl-	216	C17H12	003442-78-2	91
2	Pyrene, 1-methyl-	216	C17H12	002381-21-7	91
3	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	91
4	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	83
5	7H-Benzo[c]fluorene	216	C17H12	000205-12-9	80





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA G\DATA\BG080515\
Data File : BG018287.D
Acq On : 6 Aug 2015 00:57
Operator : UM/TP
Sample : G3109-11RE
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : C02L4RE

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

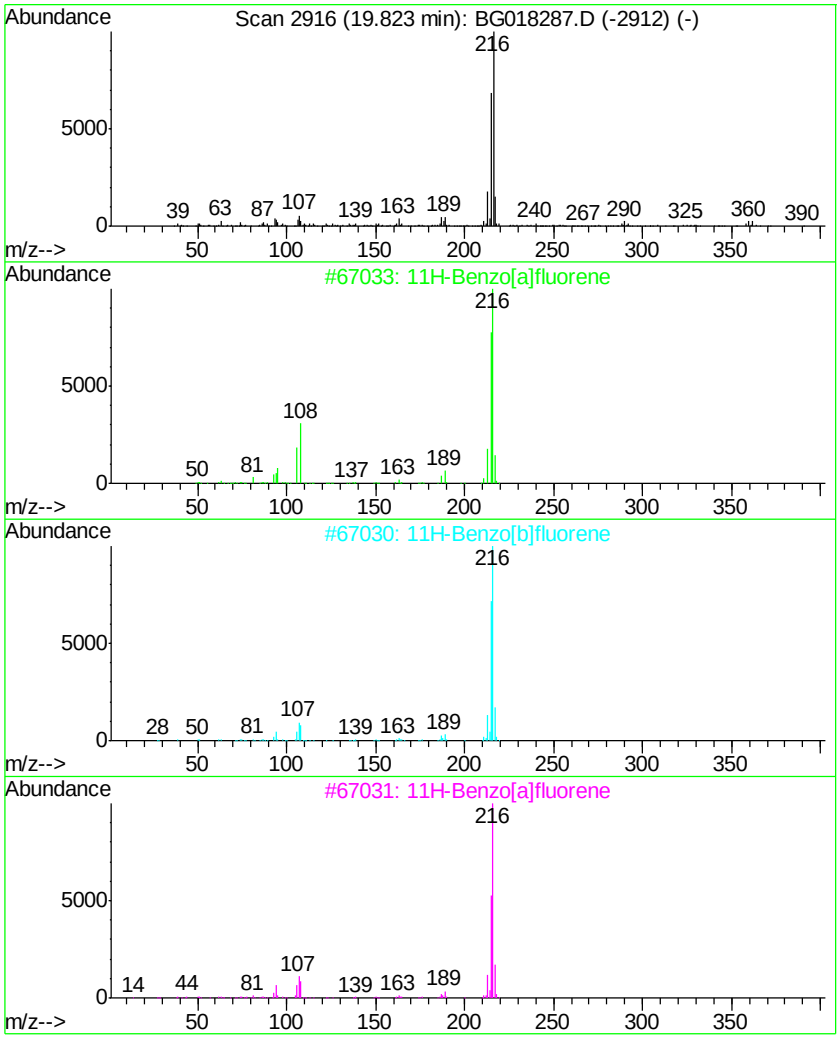
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

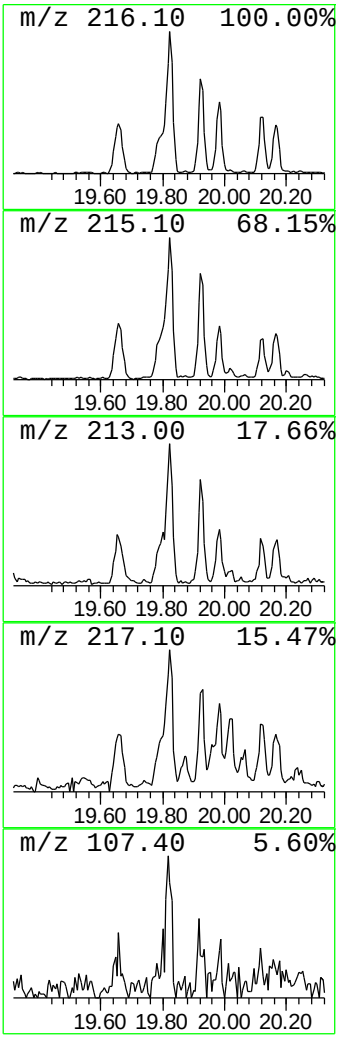
****

Peak Number 23 11H-Benzo[a]fluorene Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.82	3.66 ng/ul	679687	Chrysene-d12	21.10

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	87
2	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	87
3	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	87
4	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	87
5	Pyrene, 1-methyl-	216	C17H12	002381-21-7	83





Data Path : Z:\HPCHEM1\BNA G\DATA\BG080515\
Data File : BG018287.D
Acq On : 6 Aug 2015 00:57
Operator : UM/TP
Sample : G3109-11RE
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : C02L4RE

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

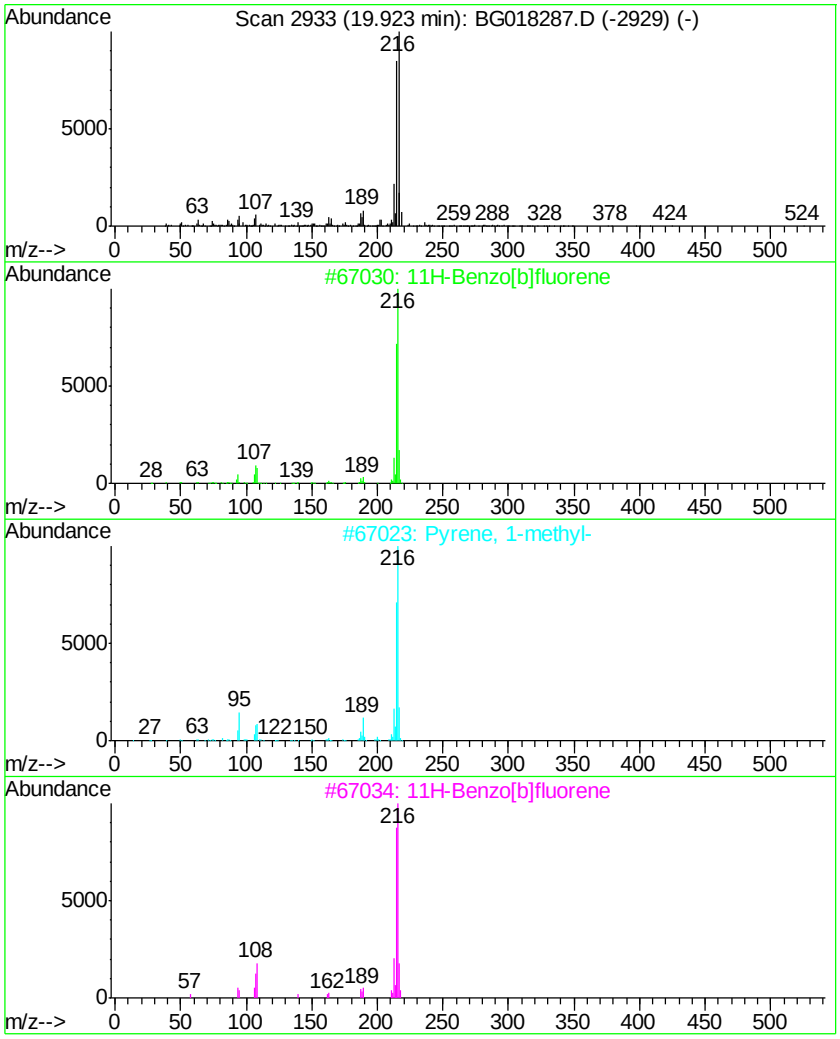
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

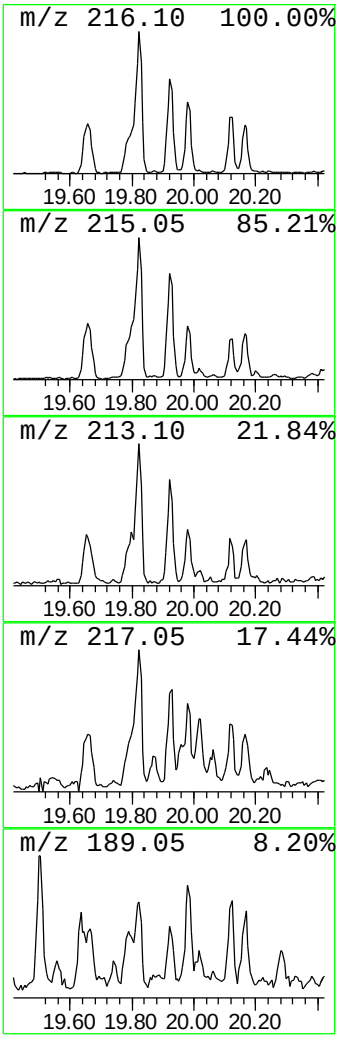
****

Peak Number 24 11H-Benzo[b]fluorene Concentration Rank 30

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.92	2.12 ng/ul	393114	Chrysene-d12	21.10

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	95
2	Pyrene, 1-methyl-	216	C17H12	002381-21-7	94
3	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	91
4	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	87
5	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	83





Data Path : Z:\HPCHEM1\BNA G\DATA\BG080515\
Data File : BG018287.D
Acq On : 6 Aug 2015 00:57
Operator : UM/TP
Sample : G3109-11RE
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : C02L4RE

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

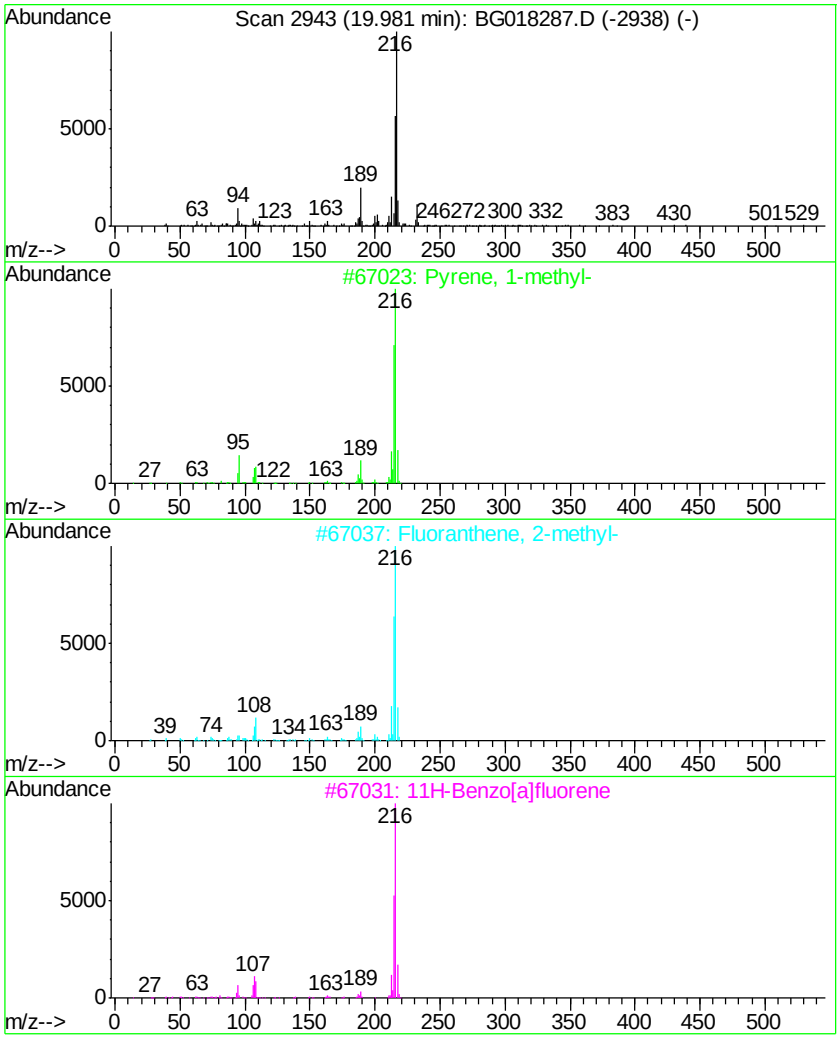
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

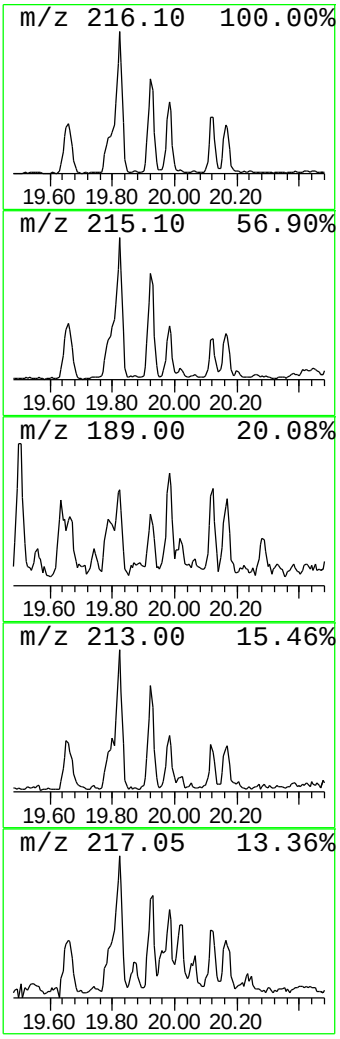
****

Peak Number 25 Pyrene, 1-methyl- Concentration Rank 29

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.98	2.16 ng/ul	401142	Chrysene-d12	21.10

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene, 1-methyl-	216	C17H12	002381-21-7	91
2	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	81
3	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	81
4	Pyrene, 2-methyl-	216	C17H12	003442-78-2	81
5	Pyrene, 1-methyl-	216	C17H12	002381-21-7	81





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA G\DATA\BG080515\
Data File : BG018287.D
Acq On : 6 Aug 2015 00:57
Operator : UM/TP
Sample : G3109-11RE
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : C02L4RE

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

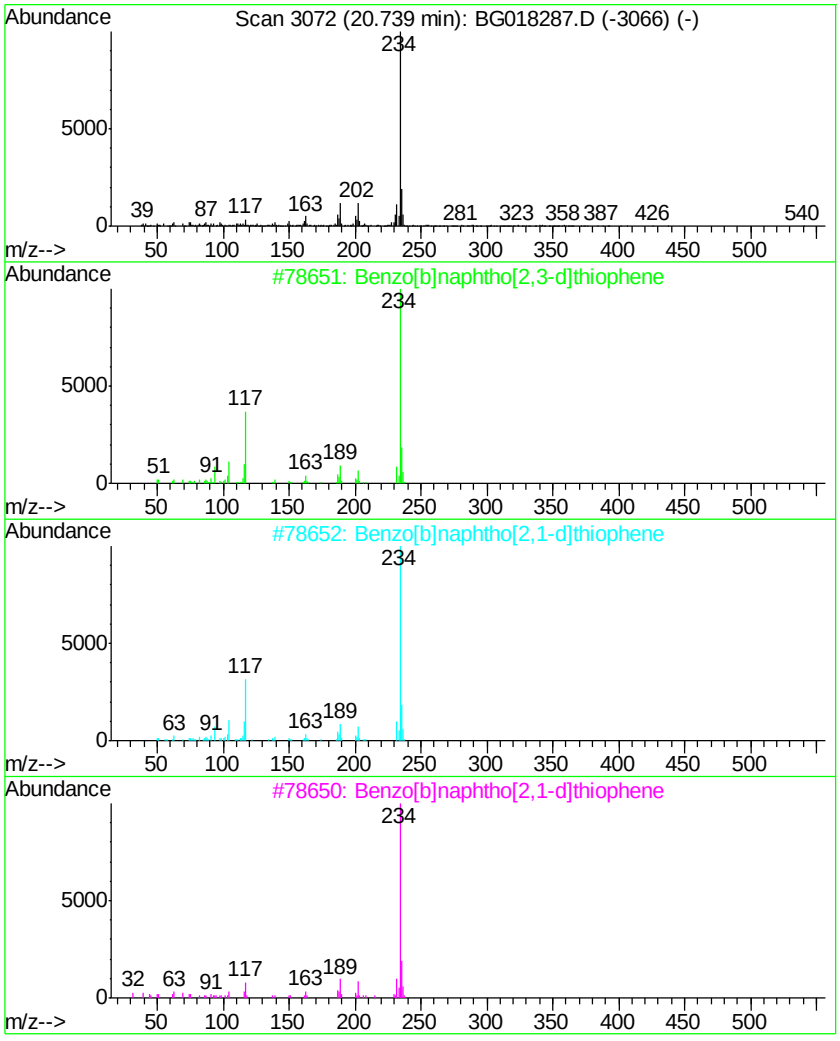
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

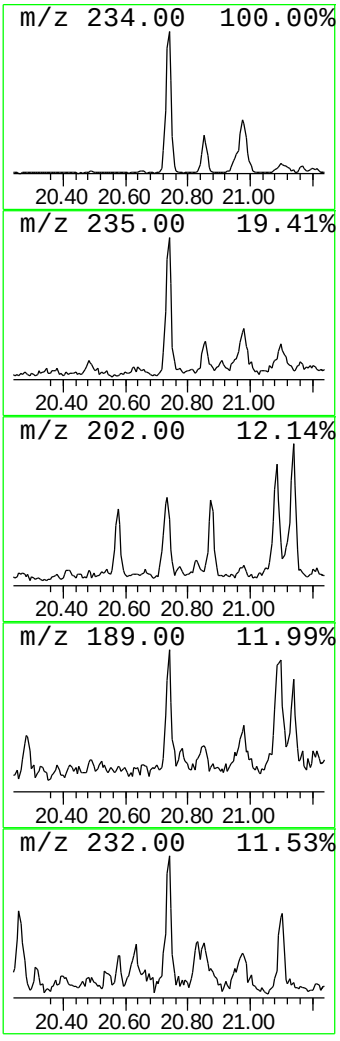
****

Peak Number 26 Benzo[b]naphtho[2,3-d]thiop... Concentration Rank 21

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.74	3.03 ng/ul	562556	Chrysene-d12	21.10

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[b]naphtho[2,3-d]thiophene	234	C16H10S	000243-46-9	95
2	Benzo[b]naphtho[2,1-d]thiophene	234	C16H10S	000239-35-0	94
3	Benzo[b]naphtho[2,1-d]thiophene	234	C16H10S	000239-35-0	91
4	Benzo[b]naphtho[1,2-d]thiophene	234	C16H10S	000205-43-6	90
5	Benzo[b]naphtho[2,1-d]thiophene	234	C16H10S	000239-35-0	90





Data Path : Z:\HPCHEM1\BNA G\DATA\BG080515\
Data File : BG018287.D
Acq On : 6 Aug 2015 00:57
Operator : UM/TP
Sample : G3109-11RE
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : C02L4RE

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

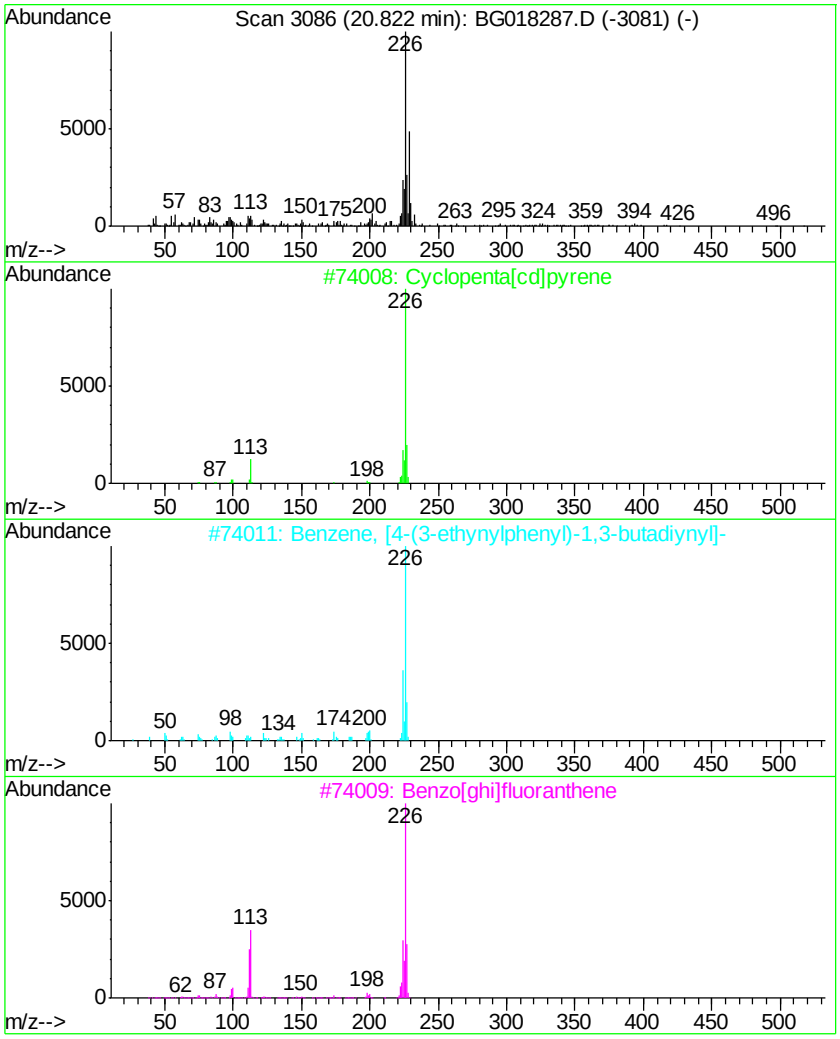
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

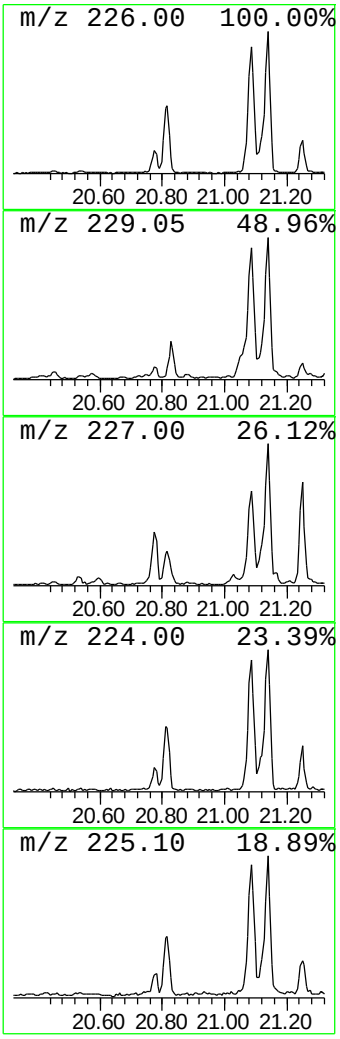
****

Peak Number 27 Cyclopenta[cd]pyrene Concentration Rank 22

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.82	2.96 ng/ul	549806	Chrysene-d12	21.10

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopenta[cd]pyrene	226	C18H10	027208-37-3	76
2	Benzene, [4-(3-ethynylphenyl)-1,...	226	C18H10	1000115-87-3	68
3	Benzo[ghi]fluoranthene	226	C18H10	000203-12-3	68
4	p-Anisaldehyde phenylhydrazone	226	C14H14N2O	000622-73-1	36
5	1,3-Diamino-5,6-dihydro-7-methyl...	226	C13H14N4	037436-37-6	28





Data Path : Z:\HPCHEM1\BNA G\DATA\BG080515\
Data File : BG018287.D
Acq On : 6 Aug 2015 00:57
Operator : UM/TP
Sample : G3109-11RE
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : C02L4RE

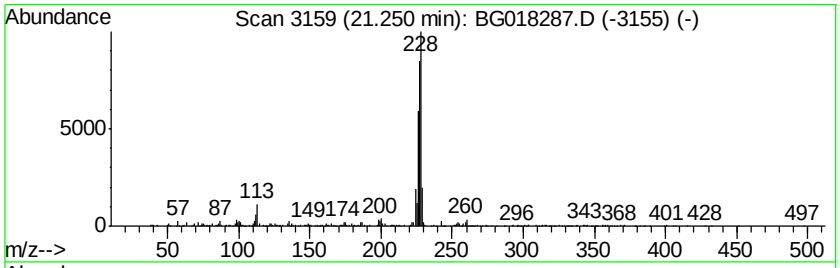
Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG080515.M
Quant Title : SVOA CALIBRATION

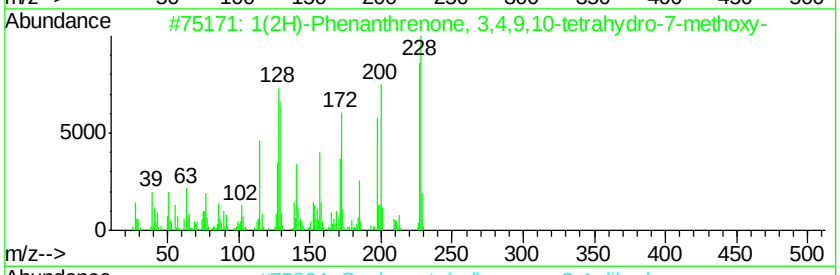
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

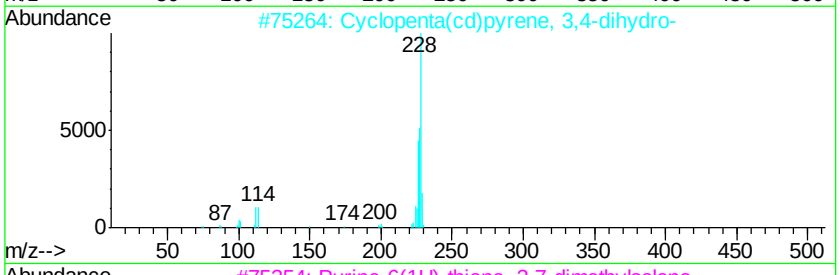
****
Peak Number 28 1(2H)-Phenanthrenone, 3,4,9... Concentration Rank 28

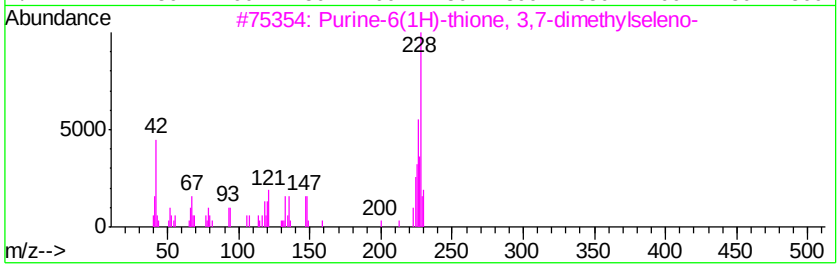
R.T.	EstConc	Area	Relative to ISTD	R.T.
21.25	2.23 ng/ul	413419	Chrysene-d12	21.10

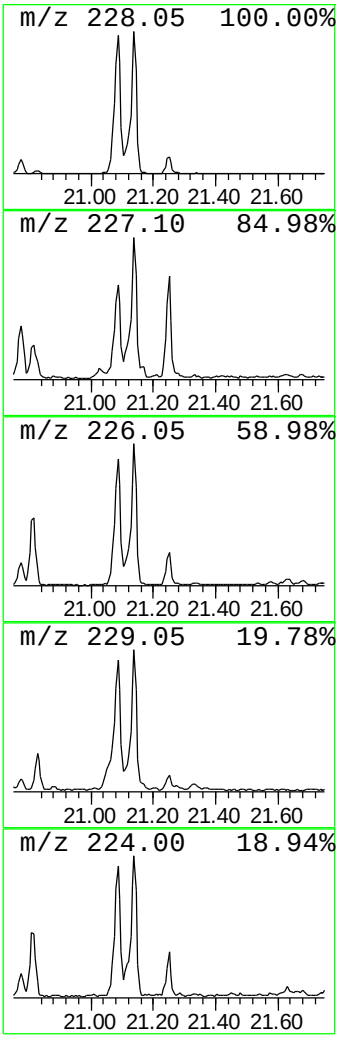
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1(2H)-Phenanthrenone, 3,4,9,10-t...	228	C15H16O2	014427-61-3	50
2	Cyclopenta(cd)pyrene, 3,4-dihydro-	228	C18H12	025732-74-5	47
3	Purine-6(1H)-thione, 3,7-dimethy...	228	C7H8N4Se	023663-58-3	47
4	Benzo[c]phenanthrene	228	C18H12	000195-19-7	46
5	Triphenylene	228	C18H12	000217-59-4	43











Data Path : Z:\HPCHEM1\BNA G\DATA\BG080515\
Data File : BG018287.D
Acq On : 6 Aug 2015 00:57
Operator : UM/TP
Sample : G3109-11RE
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : C02L4RE

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

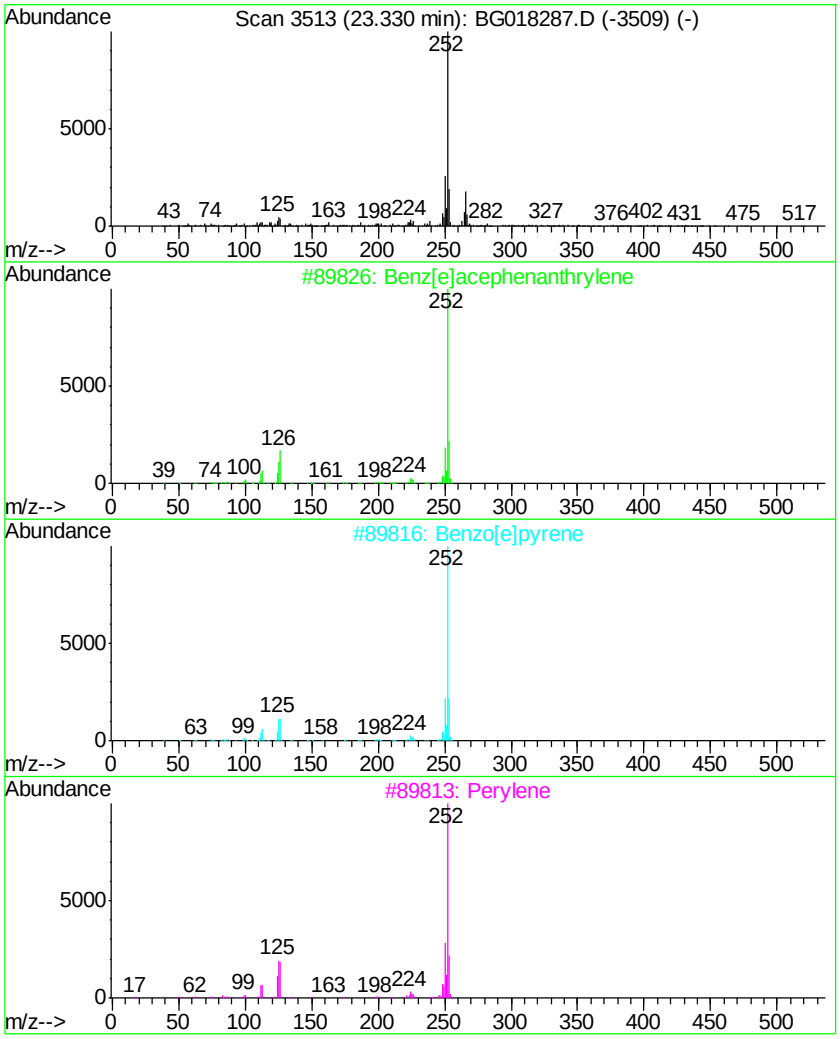
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

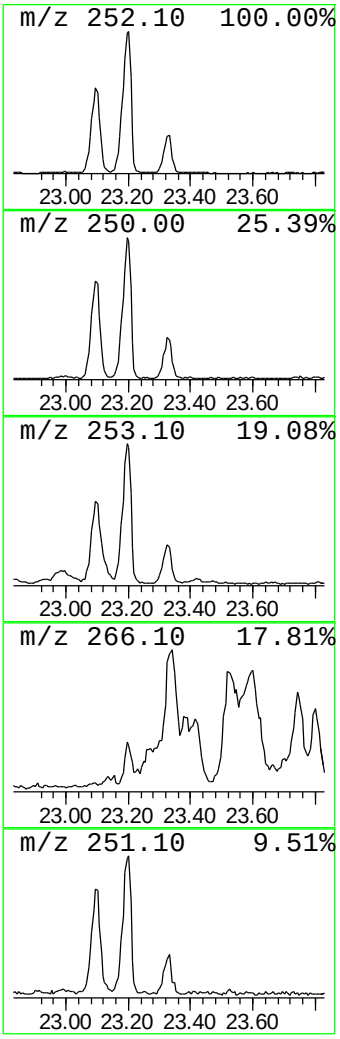
****

Peak Number 30 Benzo[e]pyrene Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
23.33	20.00 ng/ul	924193	Perylene-d12	23.28

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benz[e]acephenanthrylene	252	C20H12	000205-99-2	89
2	Benzo[e]pyrene	252	C20H12	000192-97-2	89
3	Perylene	252	C20H12	000198-55-0	86
4	Benz[e]acephenanthrylene	252	C20H12	000205-99-2	76
5	Benzo[a]pyrene	252	C20H12	000050-32-8	76





Tentatively Identified Compound (LSC) summary

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG080515\
Data File : BG018287.D
Acq On : 6 Aug 2015 00:57
Operator : UM/TP
Sample : G3109-11RE
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : C02L4RE

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
Methacrylamide	3.42	8.6	ng/ul	173068	1	7.43	400726	20.0
Dibenzofuran, 4-m...	15.47	3.1	ng/ul	127046	3	14.12	830395	20.0
9H-Fluoren-9-ol	15.62	3.1	ng/ul	126893	4	16.88	808750	20.0
unknown-01	15.85	3.1	ng/ul	126926	4	16.88	808750	20.0
9H-Fluoren-9-one	16.53	4.4	ng/ul	177329	4	16.88	808750	20.0
Anthracene, 1,2,3...	16.63	3.3	ng/ul	131896	4	16.88	808750	20.0
Dibenzothiophene	16.69	7.7	ng/ul	311652	4	16.88	808750	20.0
p-Phenylbenzonitrile	17.07	2.4	ng/ul	96649	4	16.88	808750	20.0
Dibenzo[a,e]cyclo...	17.40	2.4	ng/ul	98184	4	16.88	808750	20.0
Dibenzothiophene,...	17.45	4.1	ng/ul	165504	4	16.88	808750	20.0
Dibenzothiophene,...	17.60	2.6	ng/ul	103551	4	16.88	808750	20.0
Phenanthrene, 2-m...	17.75	10.7	ng/ul	431334	4	16.88	808750	20.0
1H-Cyclopropa[l]p...	17.81	32.4	ng/ul	1311440	4	16.88	808750	20.0
4H-Cyclopenta[def...	17.95	20.9	ng/ul	843922	4	16.88	808750	20.0
1H-Indene, 3-phenyl-	17.98	6.3	ng/ul	254503	4	16.88	808750	20.0
5,16[1',2']:8,13[...	18.27	6.9	ng/ul	278509	4	16.88	808750	20.0
9,10-Anthracenedione	18.31	7.2	ng/ul	290053	4	16.88	808750	20.0
unknown-02	18.51	9.2	ng/ul	373584	4	16.88	808750	20.0
di-p-Tolylacetylene	18.57	2.3	ng/ul	91487	4	16.88	808750	20.0
Cyclopenta(def)ph...	18.84	7.5	ng/ul	304477	4	16.88	808750	20.0
Pyrene, 2-methyl-	19.65	2.4	ng/ul	448890	5	21.10	3710920	20.0
11H-Benzo[a]fluorene	19.82	3.7	ng/ul	679687	5	21.10	3710920	20.0
11H-Benzo[b]fluorene	19.92	2.1	ng/ul	393114	5	21.10	3710920	20.0
Pyrene, 1-methyl-	19.98	2.2	ng/ul	401142	5	21.10	3710920	20.0
Benzo[b]naphtho[2...	20.74	3.0	ng/ul	562556	5	21.10	3710920	20.0
Cyclopenta[cd]pyrene	20.82	3.0	ng/ul	549806	5	21.10	3710920	20.0
1(2H)-Phenanthren...	21.25	2.2	ng/ul	413419	5	21.10	3710920	20.0
Benzo[e]pyrene	23.33	20.0	ng/ul	924193	6	23.28	924193	20.0