LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA M\DATA\BM022818\
Data File : BM014421.D
Acq On : 01 Mar 2018 03:21
Operator : SJ/JU
Sample : J1646-04
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BE5X0

Integration Parameters: LSCINT.P
Integrator: RTE
Smoothing : OFF Filtering: 5
Sampling : 1 Min Area: 1 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM021418.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	6.716	628	634	649	rVB	510937	1044535	3.47%	0.376%
2	6.863	654	659	670	rBV	381374	627544	2.09%	0.226%
3	7.051	686	691	699	rBV	586970	952306	3.17%	0.343%
4	7.510	762	769	780	rBV	440636	749971	2.49%	0.270%
5	8.239	883	893	907	rBV	651661	1247760	4.15%	0.450%
6	8.675	960	967	978	rBV	611262	1107099	3.68%	0.399%
7	9.386	1082	1088	1103	rBV2	572190	1033236	3.43%	0.372%
8	9.928	1172	1180	1198	rBV	730226	1472594	4.90%	0.531%
9	10.280	1231	1240	1245	rBV	681200	1163149	3.87%	0.419%
10	10.445	1259	1268	1283	rBV2	425564	1002946	3.33%	0.361%
11	13.592	1798	1803	1808	rBV	1611390	2303077	7.66%	0.830%
12	13.645	1808	1812	1818	rVB	467847	665217	2.21%	0.240%
13	13.863	1841	1849	1852	rBV	1961447	2957380	9.83%	1.065%
14	13.892	1852	1854	1863	rVB	701727	870052	2.89%	0.313%
15	14.174	1890	1902	1908	rBV2	1090435	1792610	5.96%	0.646%
16	14.239	1908	1913	1923	rVB	489312	778188	2.59%	0.280%
17	14.439	1942	1947	1963	rBV4	377347	917692	3.05%	0.331%
18	14.580	1963	1971	1977	rBV	351312	553532	1.84%	0.199%
19	15.015	2041	2045	2058	rVB4	171619	465173	1.55%	0.168%
20	15.174	2066	2072	2077	rBV	2421574	3343600	11.12%	1.205%
21	15.233	2077	2082	2091	rVB	736029	1090886	3.63%	0.393%
22	15.345	2094	2101	2106	rBV2	523338	978079	3.25%	0.352%
23	15.527	2127	2132	2140	rVB	247052	409863	1.36%	0.148%
24	15.680	2148	2158	2166	rBV	227387	523928	1.74%	0.189%
25	15.915	2189	2198	2204	rVB5	175545	459421	1.53%	0.166%
26	16.239	2242	2253	2258	rBV4	271971	673704	2.24%	0.243%
27	16.598	2309	2314	2320	rVB	359116	511416	1.70%	0.184%
28	16.751	2335	2340	2349	rVB	532370	851051	2.83%	0.307%
29	16.939	2364	2372	2374	rBV	1515186	2181059	7.25%	0.786%
30	16.986	2374	2380	2384	rVV	10372602	14678766	48.80%	5.288%
31	17.039	2384	2389	2391	rVV2	2789017	4013692	13.34%	1.446%
32	17.068	2391	2394	2399	rVV	2594618	3492618	11.61%	1.258%
33	17.133	2399	2405	2410	rVV2	324024	540493	1.80%	0.195%
34	17.351	2434	2442	2453	rBV2	760790	1557631	5.18%	0.561%

LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA M\DATA\BM022818\
Data File : BM014421.D
Acq On : 01 Mar 2018 03:21
Operator : SJ/JU
Sample : J1646-04
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BE5X0

Integration Parameters: LSCINT.P
Integrator: RTE
Smoothing : OFF Filtering: 5
Sampling : 1 Min Area: 1 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM021418.M
Title : SVOA CALIBRATION

35	17.515	2466	2470	2479	rVB4	245942	549640	1.83%	0.198%
36	17.809	2512	2520	2524	rBV	1411406	2095453	6.97%	0.755%
37	17.862	2524	2529	2535	rVV	2140087	3477269	11.56%	1.253%
38	17.945	2538	2543	2548	rVV	834832	1199051	3.99%	0.432%
39	18.009	2548	2554	2557	rVV2	2267518	3946771	13.12%	1.422%
40	18.045	2557	2560	2568	rVB	1068362	1510169	5.02%	0.544%
41	18.127	2570	2574	2578	rBV3	257313	367869	1.22%	0.133%
42	18.315	2602	2606	2611	rBV	992040	1332284	4.43%	0.480%
43	18.380	2612	2617	2624	rVB	767245	1194035	3.97%	0.430%
44	18.562	2641	2648	2653	rBV2	357418	686771	2.28%	0.247%
45	18.615	2654	2657	2661	rVV	401217	522213	1.74%	0.188%
46	18.656	2661	2664	2668	rVB2	338035	449707	1.49%	0.162%
47	18.739	2673	2678	2682	rBV	901461	1476756	4.91%	0.532%
48	18.803	2687	2689	2692	rVV2	573113	761248	2.53%	0.274%
49	18.833	2692	2694	2698	rVB	336152	413333	1.37%	0.149%
50	18.898	2698	2705	2710	rBV3	740591	1476633	4.91%	0.532%
51	19.021	2718	2726	2731	rBV	22102034	30081147	100.00%	10.837%
52	19.115	2738	2742	2744	rVV2	402057	569848	1.89%	0.205%
53	19.162	2747	2750	2754	rVB	401092	540535	1.80%	0.195%
54	19.250	2760	2765	2769	rVB2	568464	859299	2.86%	0.310%
55	19.356	2776	2783	2784	rBV2	6175085	9090359	30.22%	3.275%
56	19.392	2784	2789	2795	rVB	17460937	24837066	82.57%	8.948%
57	19.450	2795	2799	2804	rBV2	749069	1159904	3.86%	0.418%
58	19.556	2813	2817	2823	rVB	885088	1263268	4.20%	0.455%
59	19.627	2824	2829	2833	rVB	797395	1179625	3.92%	0.425%
60	19.715	2836	2844	2849	rBV3	1033398	2691048	8.95%	0.970%
61	19.768	2849	2853	2855	rBV	254615	342661	1.14%	0.123%
62	19.880	2860	2872	2877	rVV	2787563	5808871	19.31%	2.093%
63	19.980	2885	2889	2893	rBV	2165150	2724302	9.06%	0.981%
64	20.039	2893	2899	2902	rVV2	1569370	2769193	9.21%	0.998%
65	20.074	2903	2905	2909	rVB2	485437	513853	1.71%	0.185%
66	20.115	2909	2912	2916	rVB	368588	433995	1.44%	0.156%
67	20.180	2919	2923	2926	rVV	774614	959523	3.19%	0.346%
68	20.221	2926	2930	2934	rVV	883893	1228018	4.08%	0.442%
69	20.439	2964	2967	2970	rBV3	354415	473357	1.57%	0.171%
70	20.474	2970	2973	2975	rVV4	362768	455953	1.52%	0.164%
71	20.509	2976	2979	2982	rVB2	453127	596088	1.98%	0.215%

LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA M\DATA\BM022818\
Data File : BM014421.D
Acq On : 01 Mar 2018 03:21
Operator : SJ/JU
Sample : J1646-04
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BE5X0

Integration Parameters: LSCINT.P
Integrator: RTE
Smoothing : OFF Filtering: 5
Sampling : 1 Min Area: 1 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM021418.M
Title : SVOA CALIBRATION

72	20.592	2990	2993	2997	rBV3	340850	481540	1.60%	0.173%
73	20.639	2997	3001	3006	rVV	1285292	1731257	5.76%	0.624%
74	20.797	3024	3028	3031	rBV	1673951	2139570	7.11%	0.771%
75	20.833	3031	3034	3037	rVV	1568382	1996838	6.64%	0.719%
76	20.874	3037	3041	3049	rVV4	2012331	3767330	12.52%	1.357%
77	20.939	3049	3052	3057	rVB	1306265	1612149	5.36%	0.581%
78	21.144	3079	3087	3092	rBV2	11698134	20513643	68.19%	7.391%
79	21.197	3092	3096	3104	rVB	10694393	12933794	43.00%	4.660%
80	21.309	3111	3115	3118	rBV	1815880	2165702	7.20%	0.780%
81	21.368	3122	3125	3128	rVV2	768858	1009262	3.36%	0.364%
82	21.427	3132	3135	3138	rVV	711911	865757	2.88%	0.312%
83	21.474	3138	3143	3147	rVB2	958772	1626281	5.41%	0.586%
84	21.644	3169	3172	3174	rBV	460805	641849	2.13%	0.231%
85	21.697	3177	3181	3184	rVV	1854411	2532145	8.42%	0.912%
86	21.744	3187	3189	3196	rVB	873762	1209167	4.02%	0.436%
87	21.850	3203	3207	3210	rVB2	534020	718393	2.39%	0.259%
88	21.891	3210	3214	3216	rBV	748617	1034458	3.44%	0.373%
89	21.986	3226	3230	3234	rVB3	646031	1002831	3.33%	0.361%
90	22.180	3259	3263	3267	rBV4	751550	1262483	4.20%	0.455%
91	22.450	3305	3309	3313	rVB3	620160	928590	3.09%	0.335%
92	22.703	3345	3352	3356	rBV	5984449	13866476	46.10%	4.996%
93	22.856	3373	3378	3384	rVB	1261492	1947633	6.47%	0.702%
94	23.156	3423	3429	3433	rBV	3113177	5696646	18.94%	2.052%
95	23.203	3433	3437	3440	rVV2	1945770	3421732	11.38%	1.233%
96	23.256	3440	3446	3453	rVB	6244846	10383021	34.52%	3.741%
97	23.338	3455	3460	3464	rBV	934930	1738945	5.78%	0.626%
98	23.385	3464	3468	3475	rVB2	1540748	2970591	9.88%	1.070%
99	25.521	3822	3831	3839	rVB2	2356440	6491599	21.58%	2.339%
100	26.179	3936	3943	3956	rVB2	1292689	3828514	12.73%	1.379%

Sum of corrected areas: 277565579

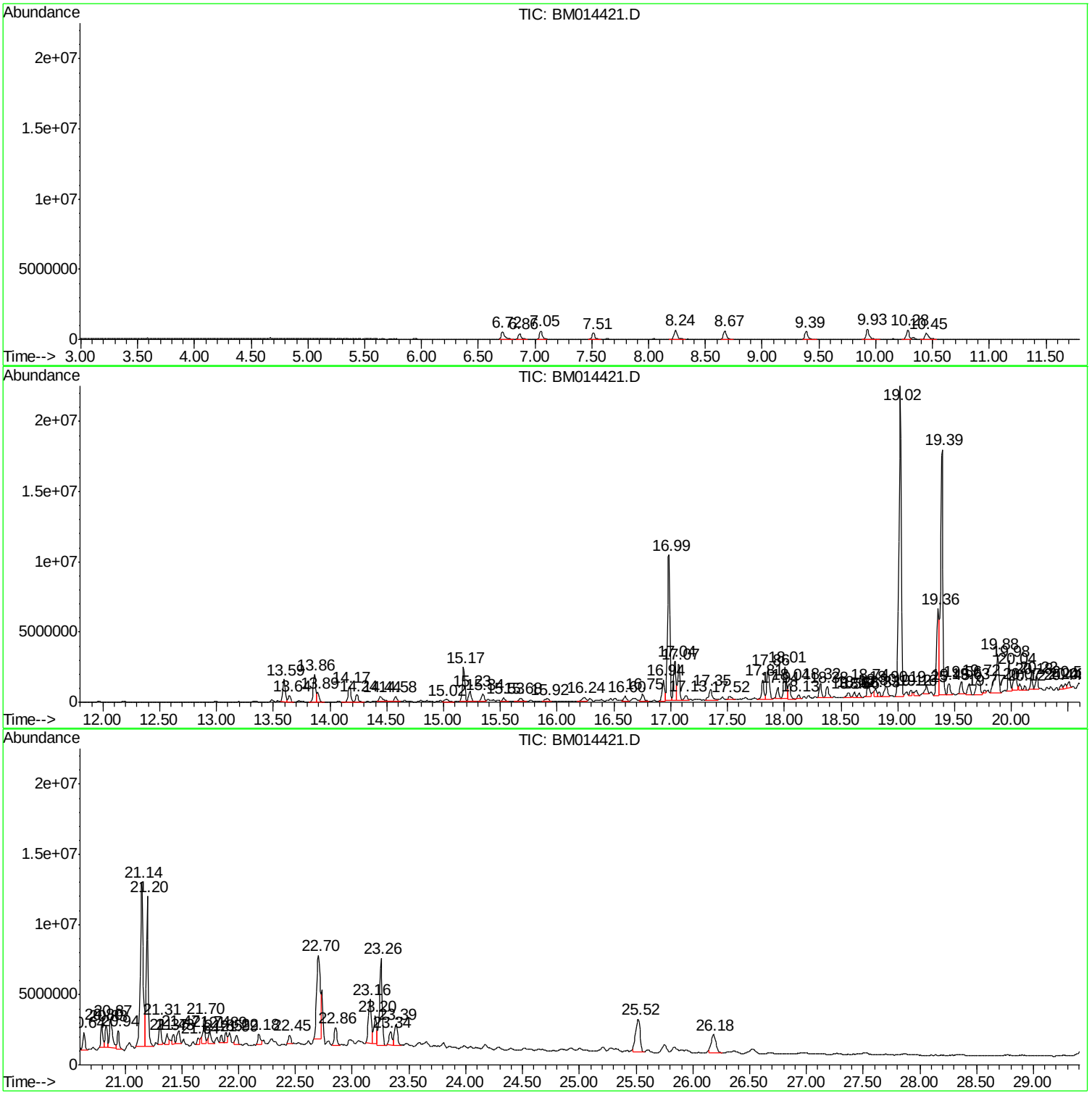
LSC Report - Integrated Chromatogram

Data Path : Z:\HPCHEM1\BNA M\DATA\BM022818\
Data File : BM014421.D
Acq On : 01 Mar 2018 03:21
Operator : SJ/JU
Sample : J1646-04
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BE5X0

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM021418.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 M\DATA\BM022818\
Data File : BM014421.D
Acq On : 01 Mar 2018 03:21
Operator : SJ/JU
Sample : J1646-04
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BE5X0

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM021418.M
Quant Title : SVOA CALIBRATION

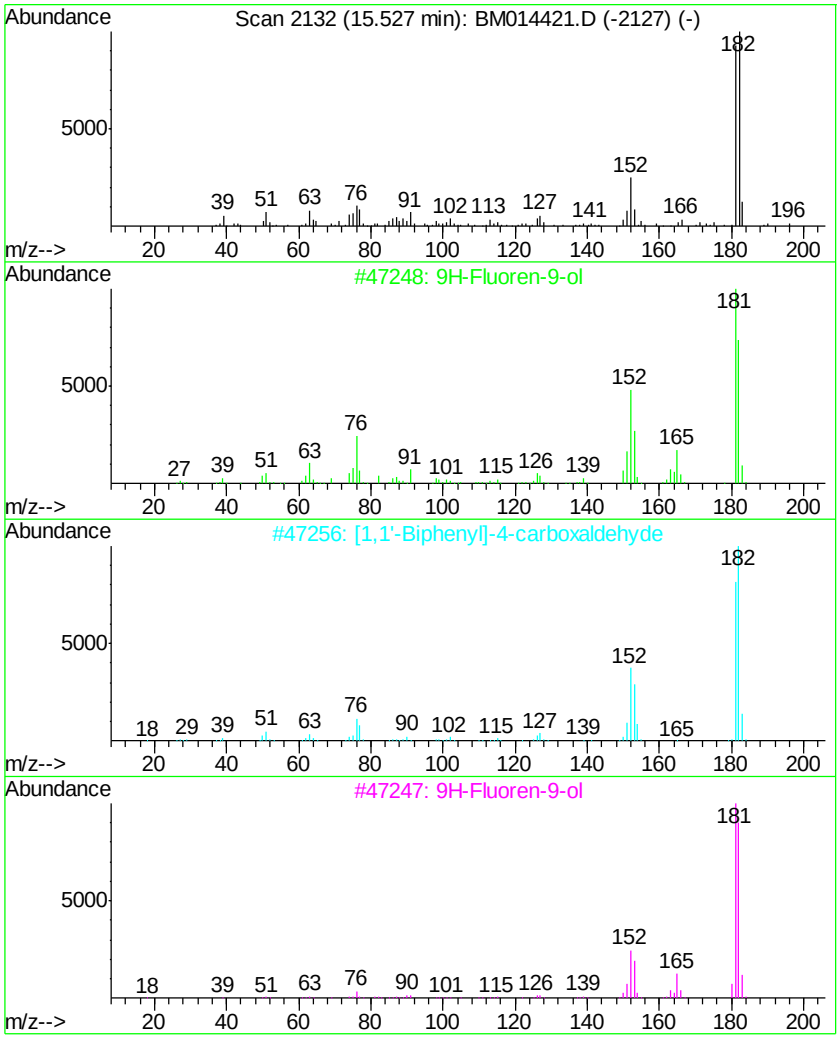
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

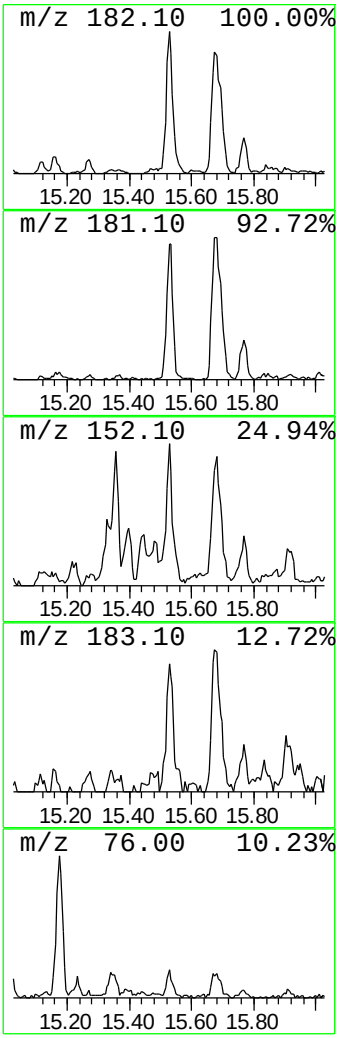
****

Peak Number 1 9H-Fluoren-9-ol Concentration Rank 22

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.53	4.57 ng/ul	409863	Acenaphthene-d10	14.17

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9H-Fluoren-9-ol	182	C13H10O	001689-64-1	90
2	[1,1'-Biphenyl]-4-carboxaldehyde	182	C13H10O	003218-36-8	87
3	9H-Fluoren-9-ol	182	C13H10O	001689-64-1	87
4	[1,1'-Biphenyl]-4-carboxaldehyde	182	C13H10O	003218-36-8	86
5	2,4,6-Cycloheptatrien-1-one, 2-p...	182	C13H10O	014562-09-5	78





Data Path : Z:\HPCHEM1\BNA M\DATA\BM022818\
Data File : BM014421.D
Acq On : 01 Mar 2018 03:21
Operator : SJ/JU
Sample : J1646-04
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BE5X0

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM021418.M
Quant Title : SVOA CALIBRATION

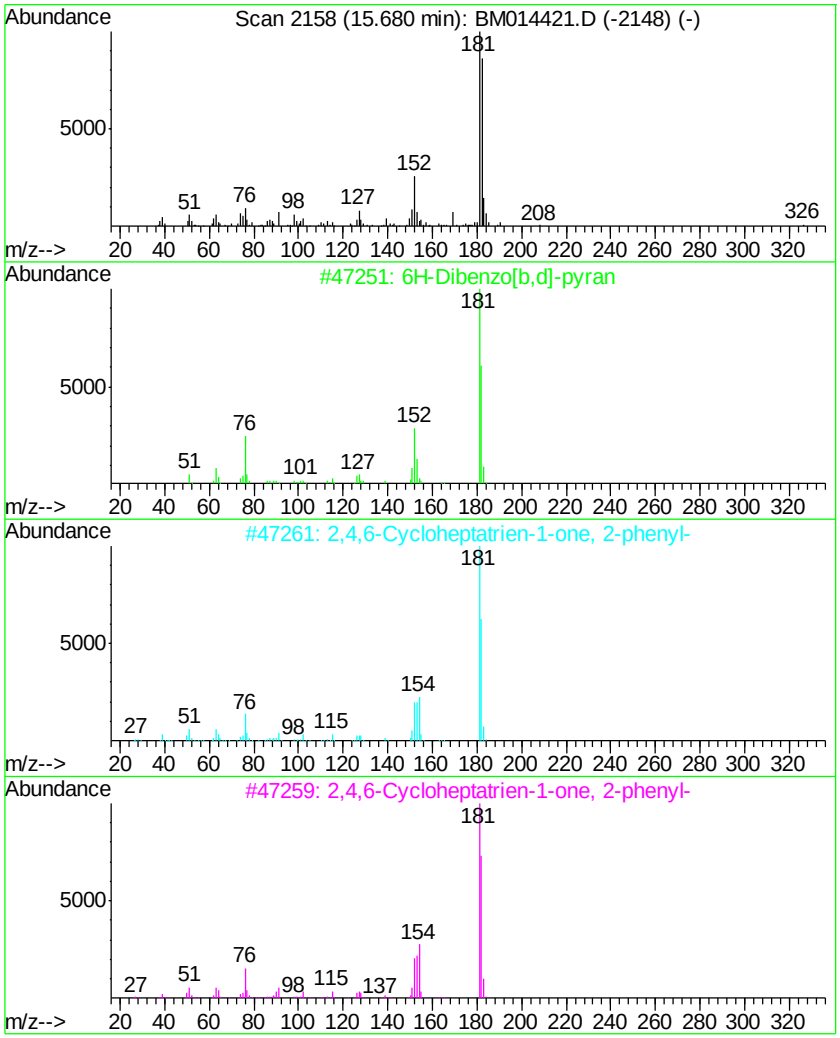
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

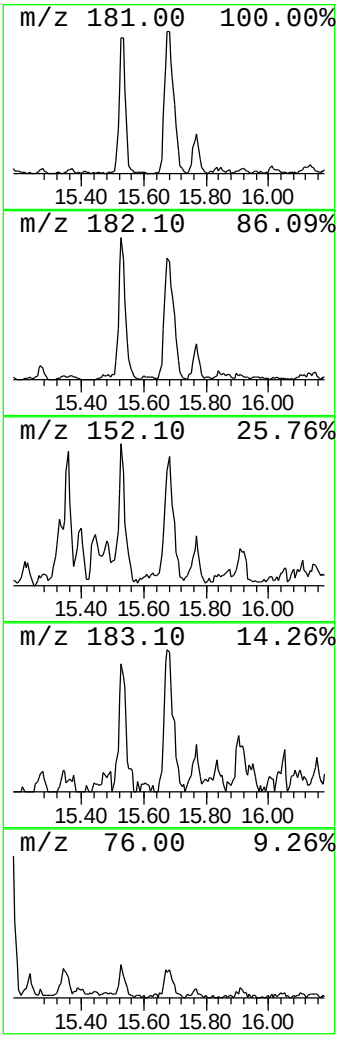
****

Peak Number 2 6H-Dibenzo[b,d]-pyran Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.68	4.80 ng/ul	523928	Phenanthrene-d10	16.94

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	6H-Dibenzo[b,d]-pyran	182	C13H10O	000229-95-8	87
2	2,4,6-Cycloheptatrien-1-one, 2-p...	182	C13H10O	014562-09-5	87
3	2,4,6-Cycloheptatrien-1-one, 2-p...	182	C13H10O	014562-09-5	80
4	[1,1'-Biphenyl]-4-carboxaldehyde	182	C13H10O	003218-36-8	59
5	9H-Fluoren-9-ol	182	C13H10O	001689-64-1	58





Data Path : Z:\HPCHEM1\BNA M\DATA\BM022818\
Data File : BM014421.D
Acq On : 01 Mar 2018 03:21
Operator : SJ/JU
Sample : J1646-04
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BE5X0

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM021418.M
Quant Title : SVOA CALIBRATION

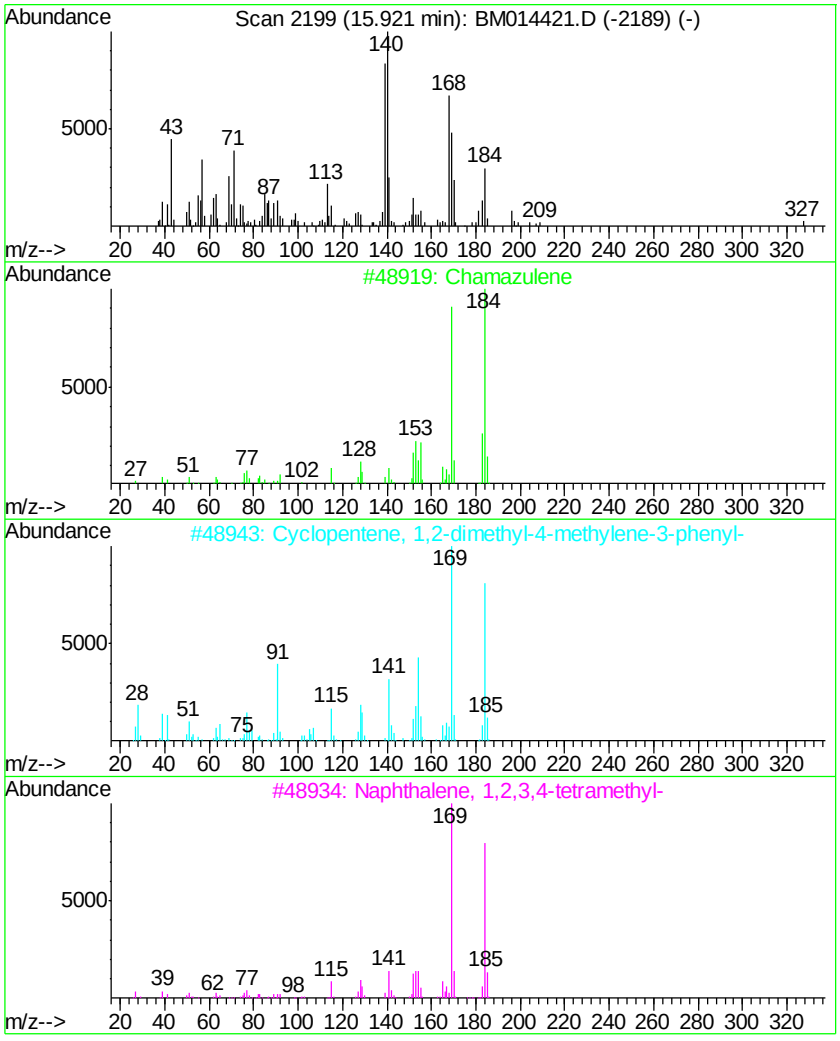
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

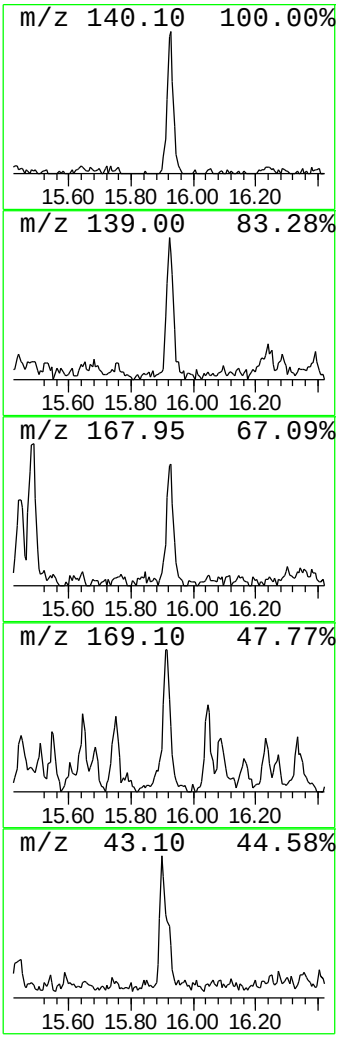
****

Peak Number 3 unknown-01 Concentration Rank 23

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.92	4.21 ng/ul	459421	Phenanthrene-d10	16.94

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Chamazulene	184	C14H16	000529-05-5	38
2	Cyclopentene, 1,2-dimethyl-4-met...	184	C14H16	1000152-22-4	30
3	Naphthalene, 1,2,3,4-tetramethyl-	184	C14H16	003031-15-0	30
4	Benzenaldehyde, 2-fluoro-5-hydroxy-	140	C7H5FO2	103438-84-2	30
5	Benzene, (4,5,5-trimethyl-1,3-cy...	184	C14H16	033930-85-7	30





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA M\DATA\BM022818\
Data File : BM014421.D
Acq On : 01 Mar 2018 03:21
Operator : SJ/JU
Sample : J1646-04
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BE5X0

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM021418.M
Quant Title : SVOA CALIBRATION

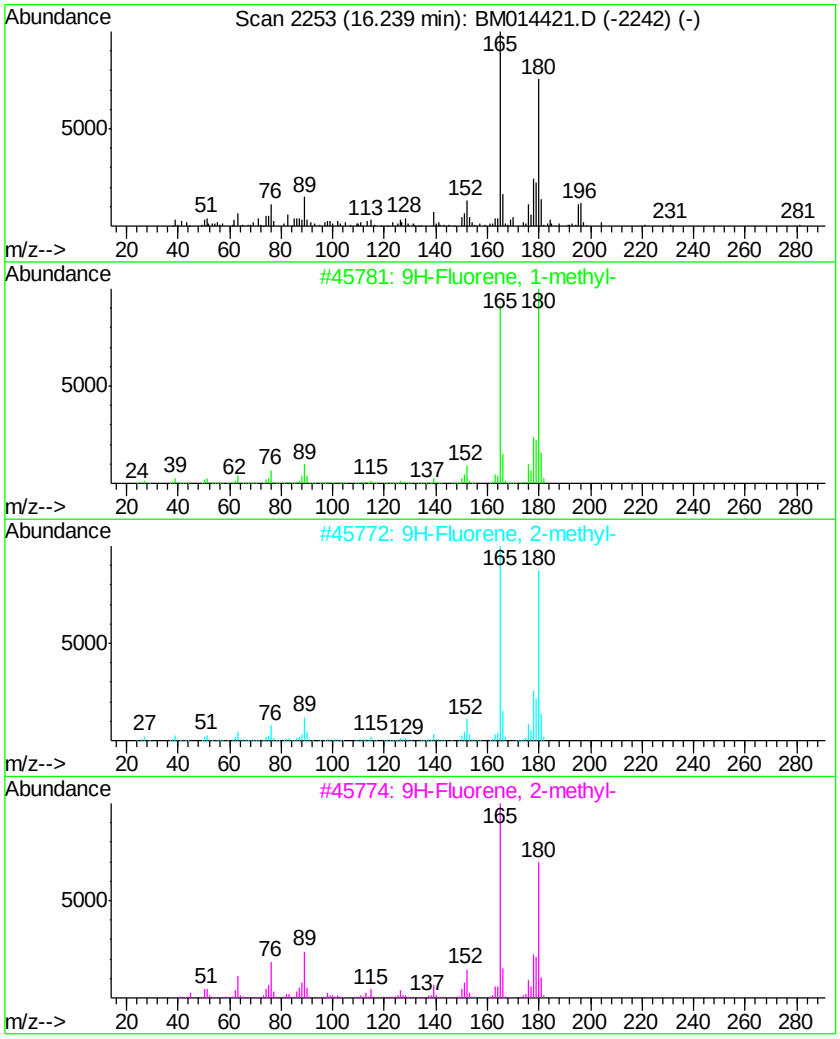
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

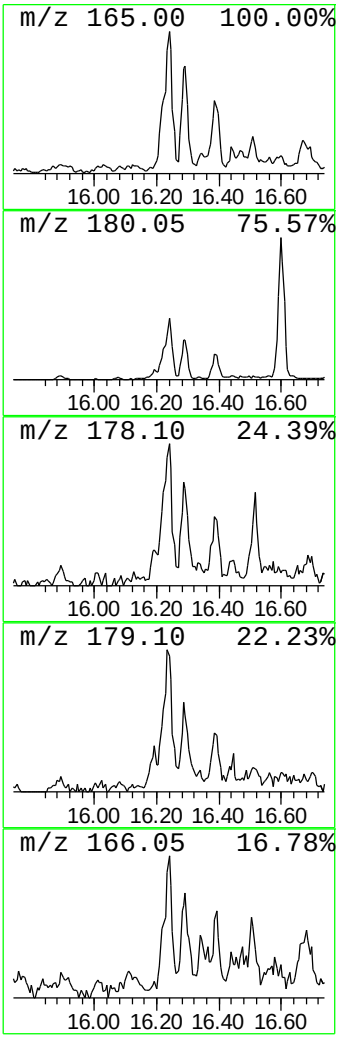
****

Peak Number 4 9H-Fluorene, 1-methyl- Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.24	6.18 ng/ul	673704	Phenanthrene-d10	16.94

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9H-Fluorene, 1-methyl-	180	C14H12	001730-37-6	96
2	9H-Fluorene, 2-methyl-	180	C14H12	001430-97-3	96
3	9H-Fluorene, 2-methyl-	180	C14H12	001430-97-3	89
4	9H-Fluorene, 3-methyl-	180	C14H12	002523-39-9	89
5	9H-Fluorene, 1-methyl-	180	C14H12	001730-37-6	89





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA M\DATA\BM022818\
Data File : BM014421.D
Acq On : 01 Mar 2018 03:21
Operator : SJ/JU
Sample : J1646-04
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BE5X0

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM021418.M
Quant Title : SVOA CALIBRATION

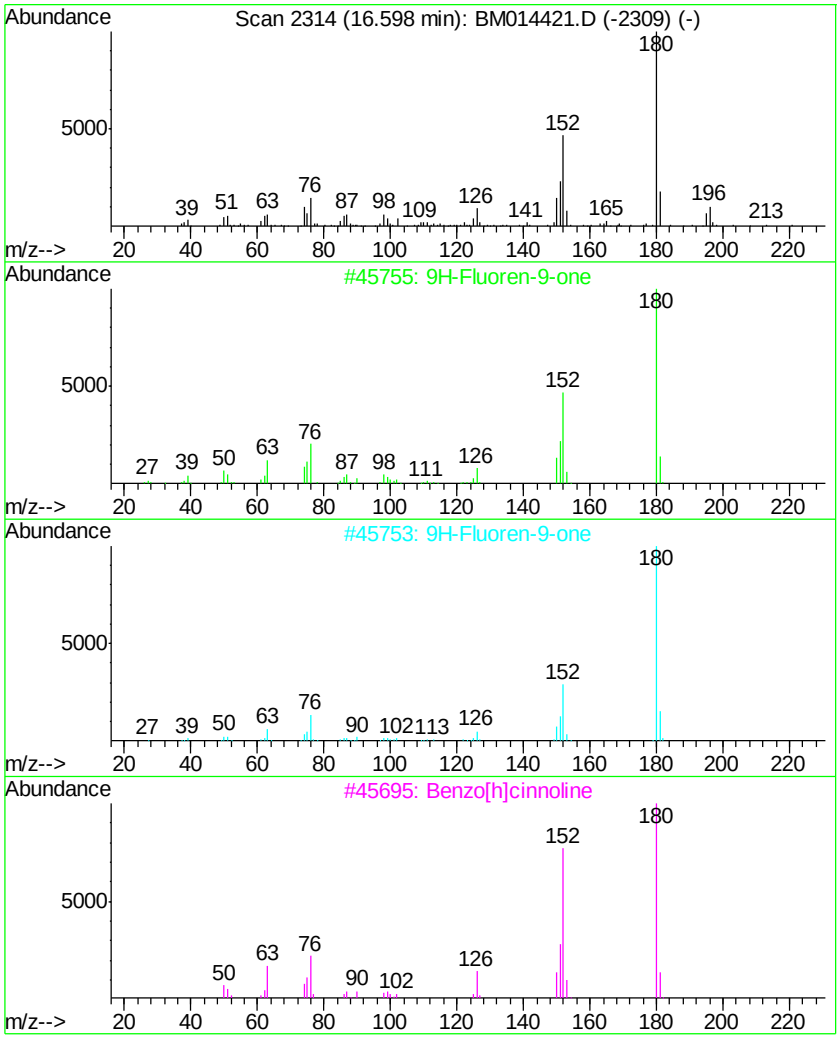
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

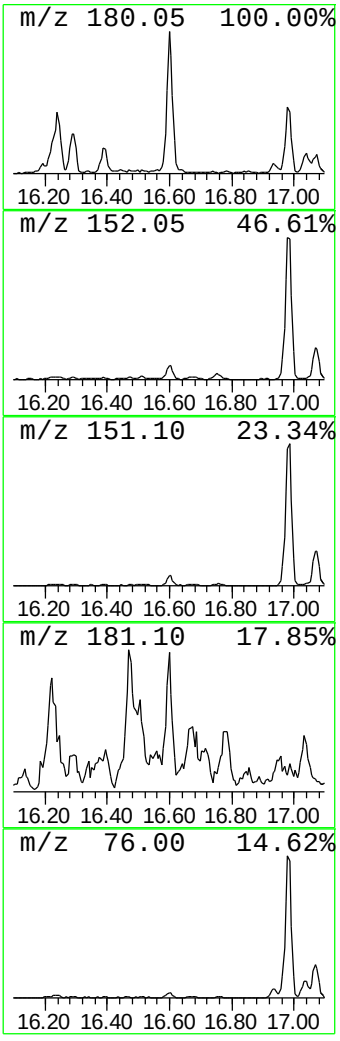
****

Peak Number 5 9H-Fluoren-9-one Concentration Rank 21

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.60	4.69 ng/ul	511416	Phenanthrene-d10	16.94

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9H-Fluoren-9-one	180	C13H8O	000486-25-9	91
2	9H-Fluoren-9-one	180	C13H8O	000486-25-9	90
3	Benzo[h]cinnoline	180	C12H8N2	000230-31-9	87
4	9H-Fluoren-9-one	180	C13H8O	000486-25-9	81
5	9,10-Phenanthrenedione	208	C14H8O2	000084-11-7	78





Data Path : Z:\HPCHEM1\BNA M\DATA\BM022818\
Data File : BM014421.D
Acq On : 01 Mar 2018 03:21
Operator : SJ/JU
Sample : J1646-04
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BE5X0

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM021418.M
Quant Title : SVOA CALIBRATION

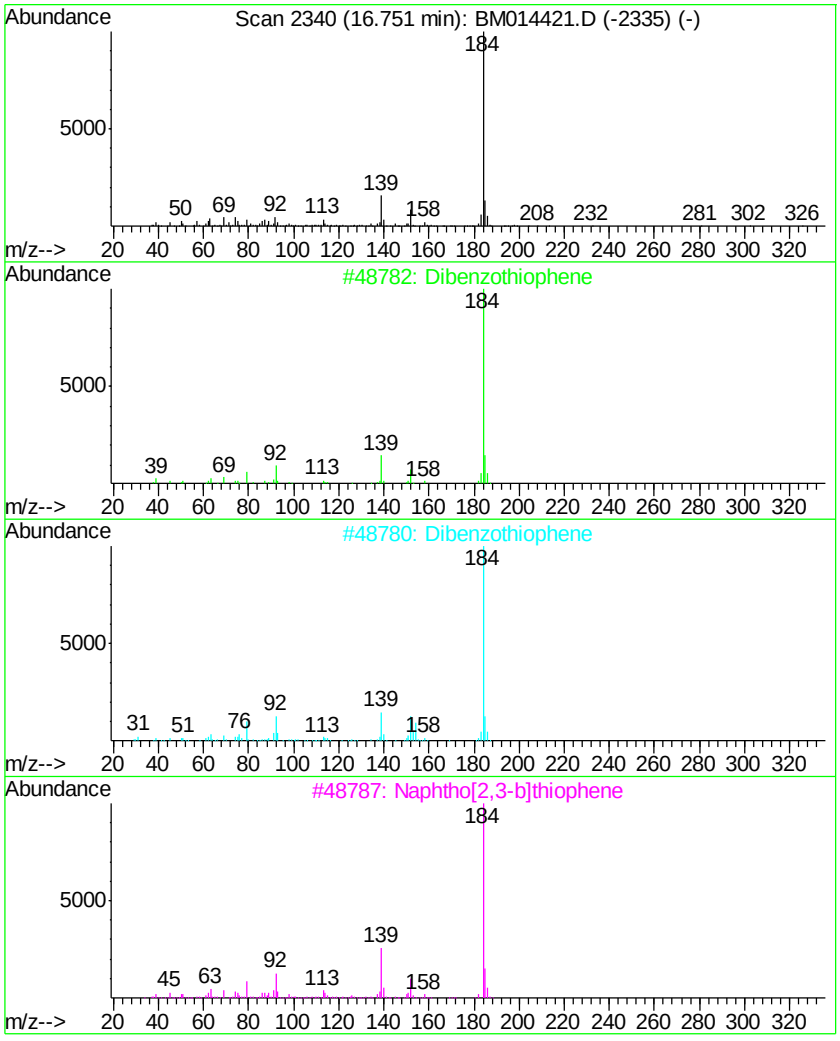
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

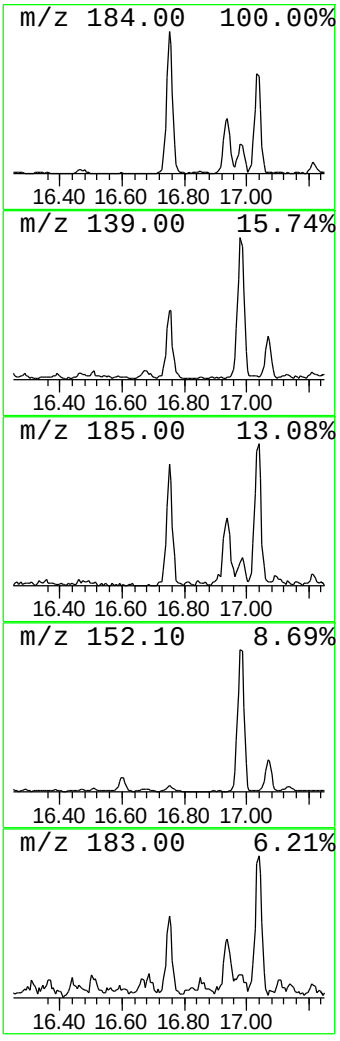
****

Peak Number 6 Dibenzothiophene Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.75	7.80 ng/ul	851051	Phenanthrene-d10	16.94

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dibenzothiophene	184	C12H8S	000132-65-0	93
2	Dibenzothiophene	184	C12H8S	000132-65-0	91
3	Naphtho[2,3-b]thiophene	184	C12H8S	000268-77-9	90
4	Dibenzothiophene	184	C12H8S	000132-65-0	87
5	Dibenzothiophene	184	C12H8S	000132-65-0	87





Data Path : Z:\HPCHEM1\BNA M\DATA\BM022818\
Data File : BM014421.D
Acq On : 01 Mar 2018 03:21
Operator : SJ/JU
Sample : J1646-04
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BE5X0

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM021418.M
Quant Title : SVOA CALIBRATION

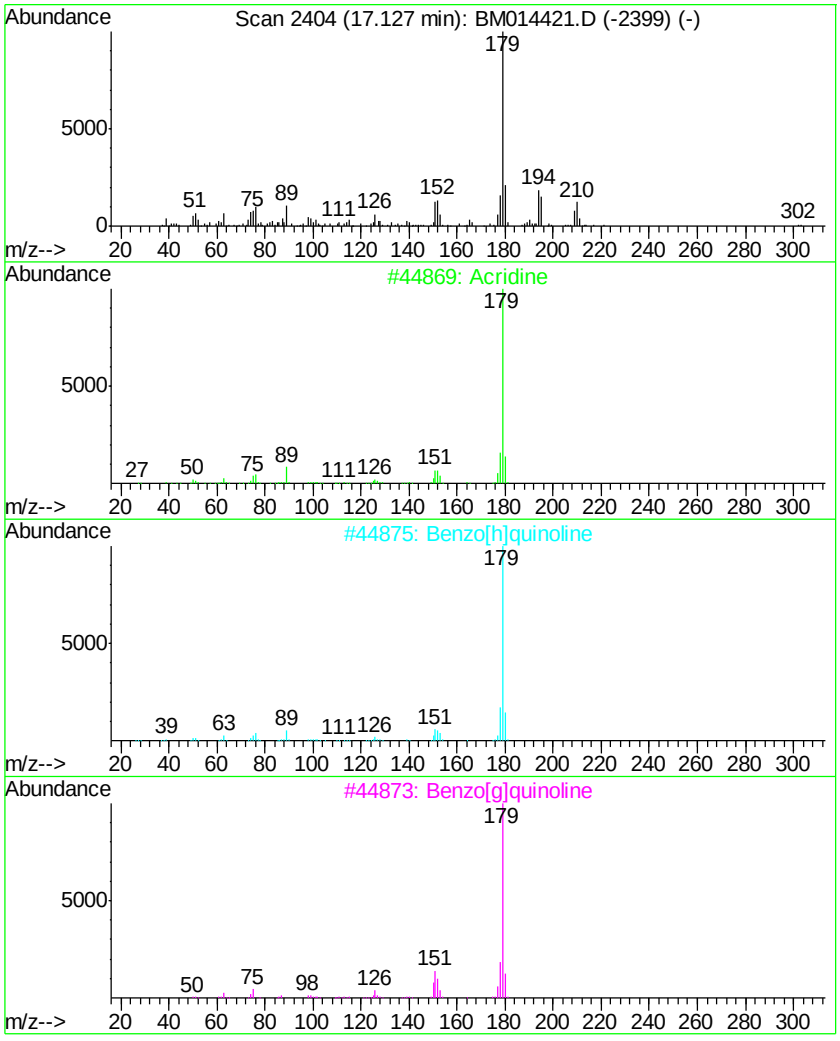
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

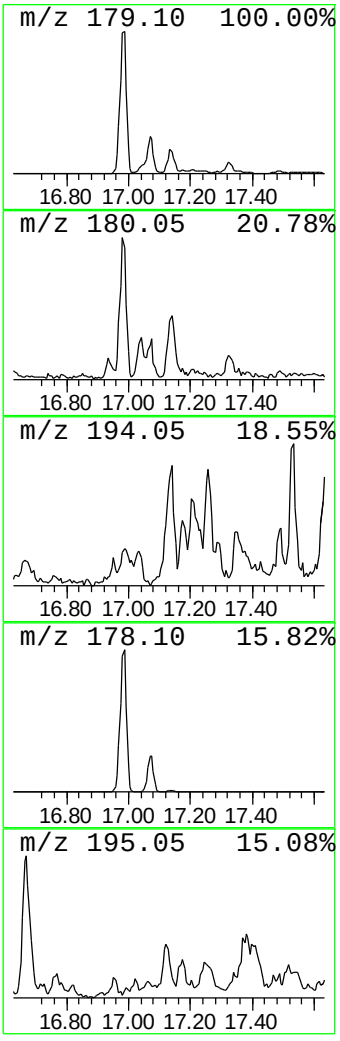
****

Peak Number 7 Acridine Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.13	4.96 ng/ul	540493	Phenanthrene-d10	16.94

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Acridine	179	C13H9N	000260-94-6	90
2	Benzo[h]quinoline	179	C13H9N	000230-27-3	81
3	Benzo[g]quinoline	179	C13H9N	000260-36-6	81
4	Phenanthridine	179	C13H9N	000229-87-8	81
5	Acridine	179	C13H9N	000260-94-6	81





Data Path : Z:\HPCHEM1\BNA M\DATA\BM022818\
Data File : BM014421.D
Acq On : 01 Mar 2018 03:21
Operator : SJ/JU
Sample : J1646-04
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BE5X0

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM021418.M
Quant Title : SVOA CALIBRATION

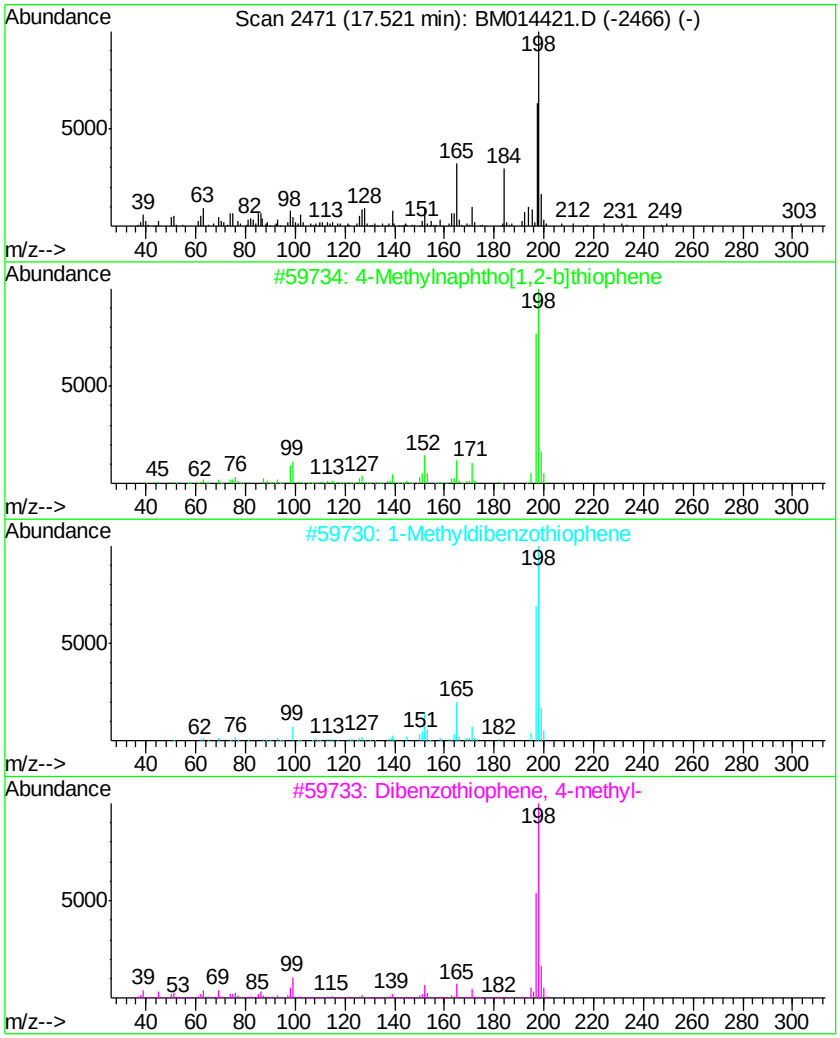
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

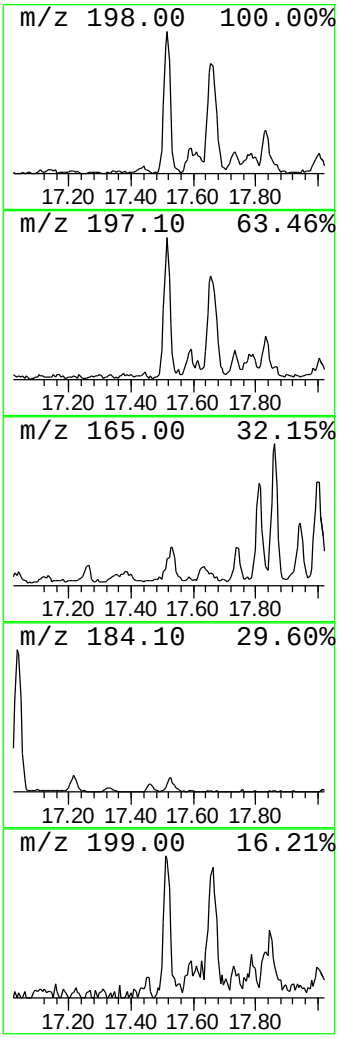
****

Peak Number 8 4-Methylnaphtho[1,2-b]thiop... Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.52	5.04 ng/ul	549640	Phenanthrene-d10	16.94

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4-Methylnaphtho[1,2-b]thiophene	198	C13H10S	067388-11-8	87
2	1-Methyldibenzothiophene	198	C13H10S	031317-07-4	80
3	Dibenzothiophene, 4-methyl-	198	C13H10S	007372-88-5	76
4	Dibenzothiophene, 3-methyl-	198	C13H10S	016587-52-3	76
5	Pyridine, 4-(4-dimethylaminophen...	198	C13H14N2	001137-80-0	62





Data Path : Z:\HPCHEM1\BNA M\DATA\BM022818\
Data File : BM014421.D
Acq On : 01 Mar 2018 03:21
Operator : SJ/JU
Sample : J1646-04
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BE5X0

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM021418.M
Quant Title : SVOA CALIBRATION

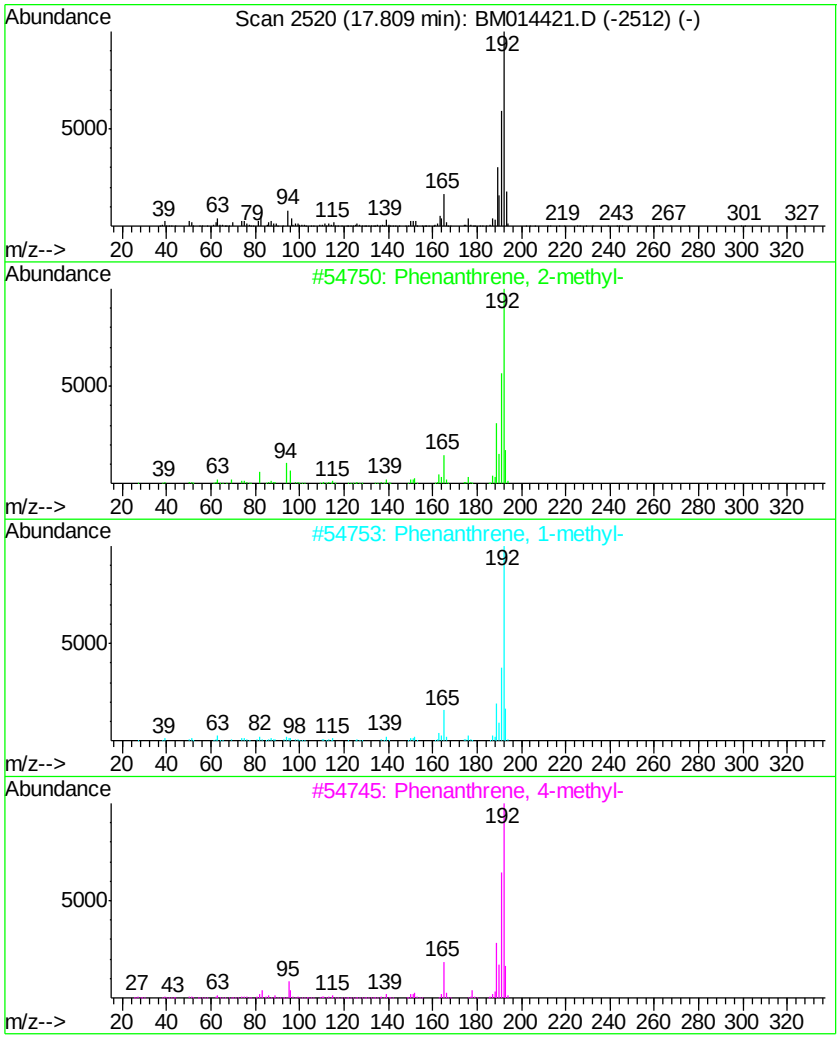
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

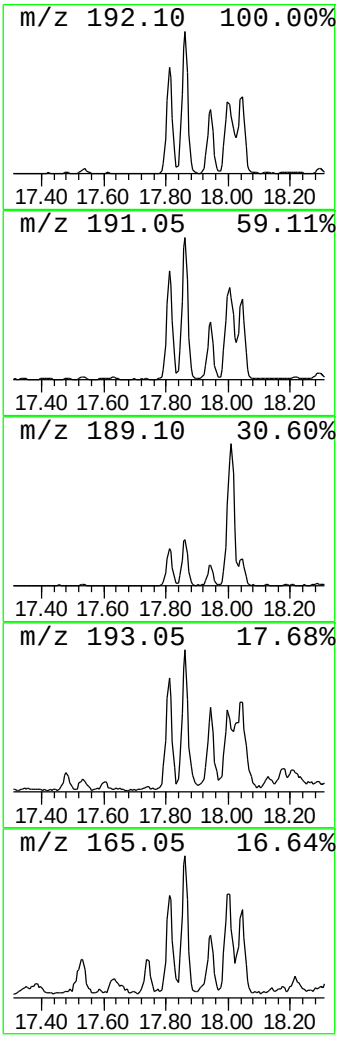
****

Peak Number 9 Phenanthrene, 2-methyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.81	19.22 ng/ul	2095450	Phenanthrene-d10	16.94

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	95
2	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	95
3	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	95
4	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	94
5	Anthracene, 2-methyl-	192	C15H12	000613-12-7	94





Data Path : Z:\HPCHEM1\BNA M\DATA\BM022818\
Data File : BM014421.D
Acq On : 01 Mar 2018 03:21
Operator : SJ/JU
Sample : J1646-04
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BE5X0

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM021418.M
Quant Title : SVOA CALIBRATION

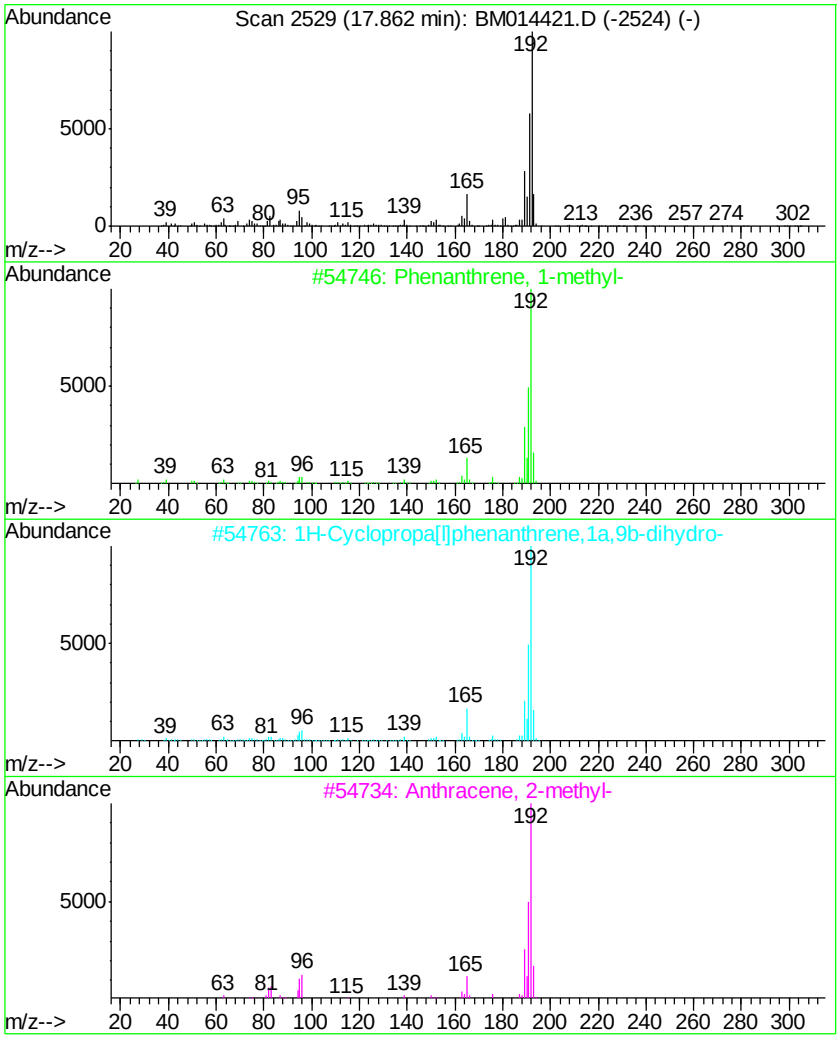
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

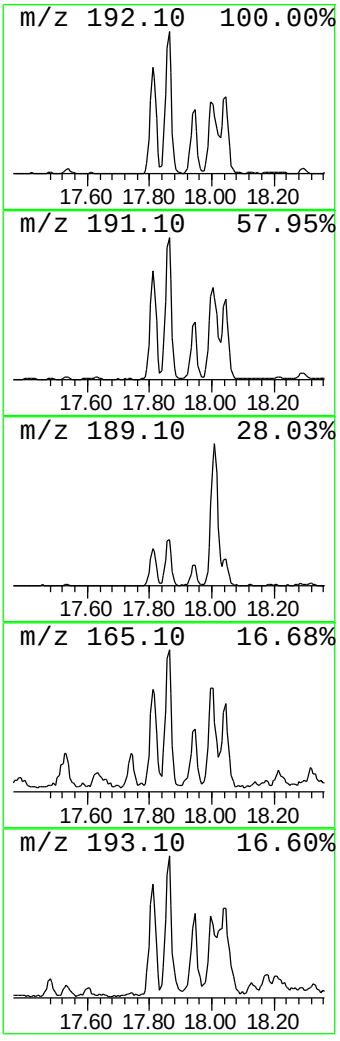
****

Peak Number 10 Phenanthrene, 1-methyl- Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.86	31.89 ng/ul	3477270	Phenanthrene-d10	16.94

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	97
2	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	96
3	Anthracene, 2-methyl-	192	C15H12	000613-12-7	95
4	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	95
5	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	95





Data Path : Z:\HPCHEM1\BNA M\DATA\BM022818\
Data File : BM014421.D
Acq On : 01 Mar 2018 03:21
Operator : SJ/JU
Sample : J1646-04
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BE5X0

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM021418.M
Quant Title : SVOA CALIBRATION

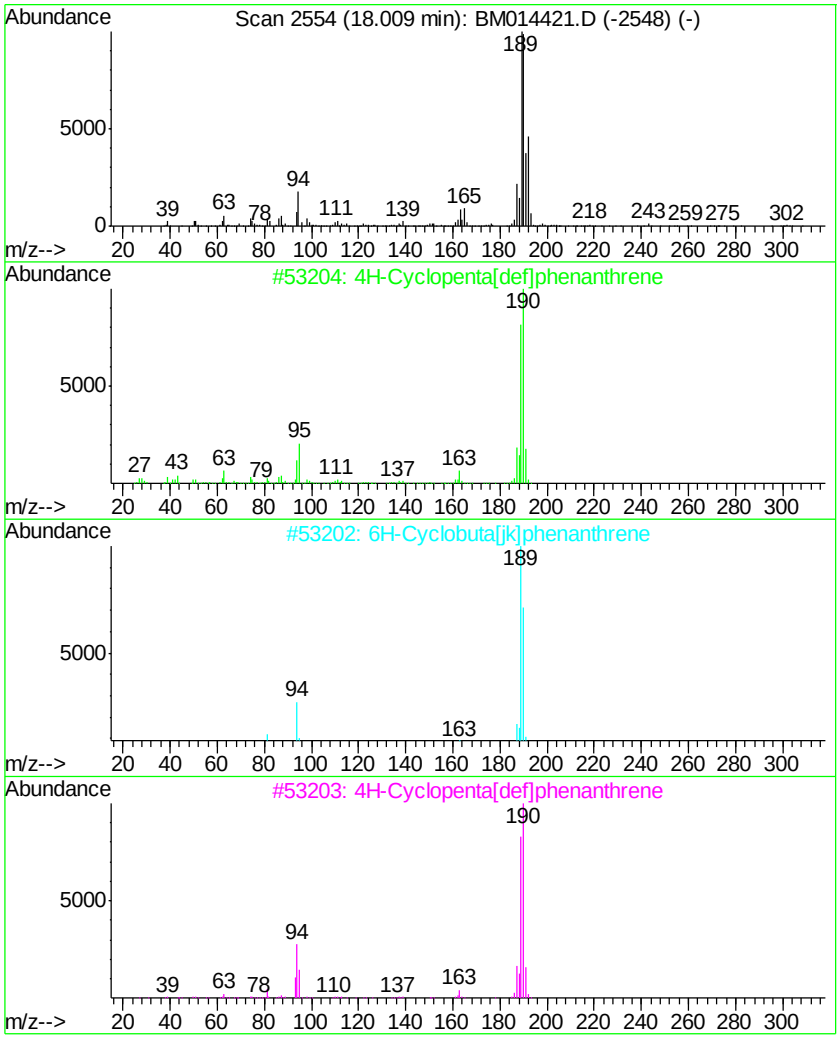
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

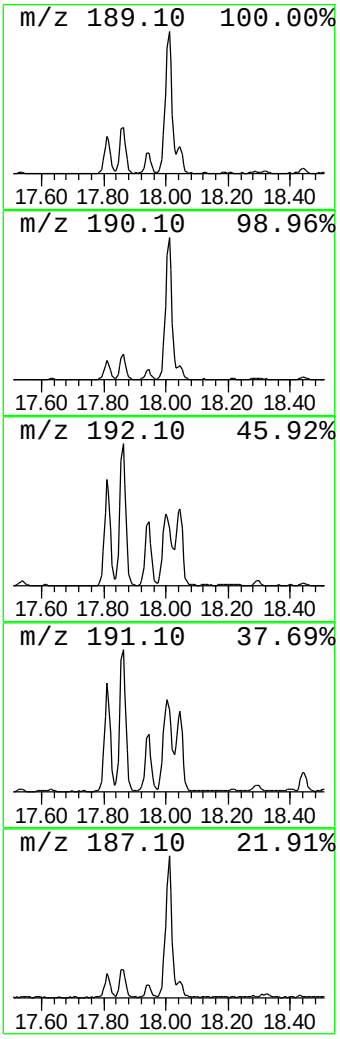
****

Peak Number 12 4H-Cyclopenta[def]phenanthrene Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.01	36.19 ng/ul	3946770	Phenanthrene-d10	16.94

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	70
2	6H-Cyclobuta[jk]phenanthrene	190	C15H10	083469-43-6	64
3	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	58
4	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	53
5	2,2'-Bis(4,5-dimethylimidazole)	190	C10H14N4	069286-06-2	42





Data Path : Z:\HPCHEM1\BNA M\DATA\BM022818\
Data File : BM014421.D
Acq On : 01 Mar 2018 03:21
Operator : SJ/JU
Sample : J1646-04
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BE5X0

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM021418.M
Quant Title : SVOA CALIBRATION

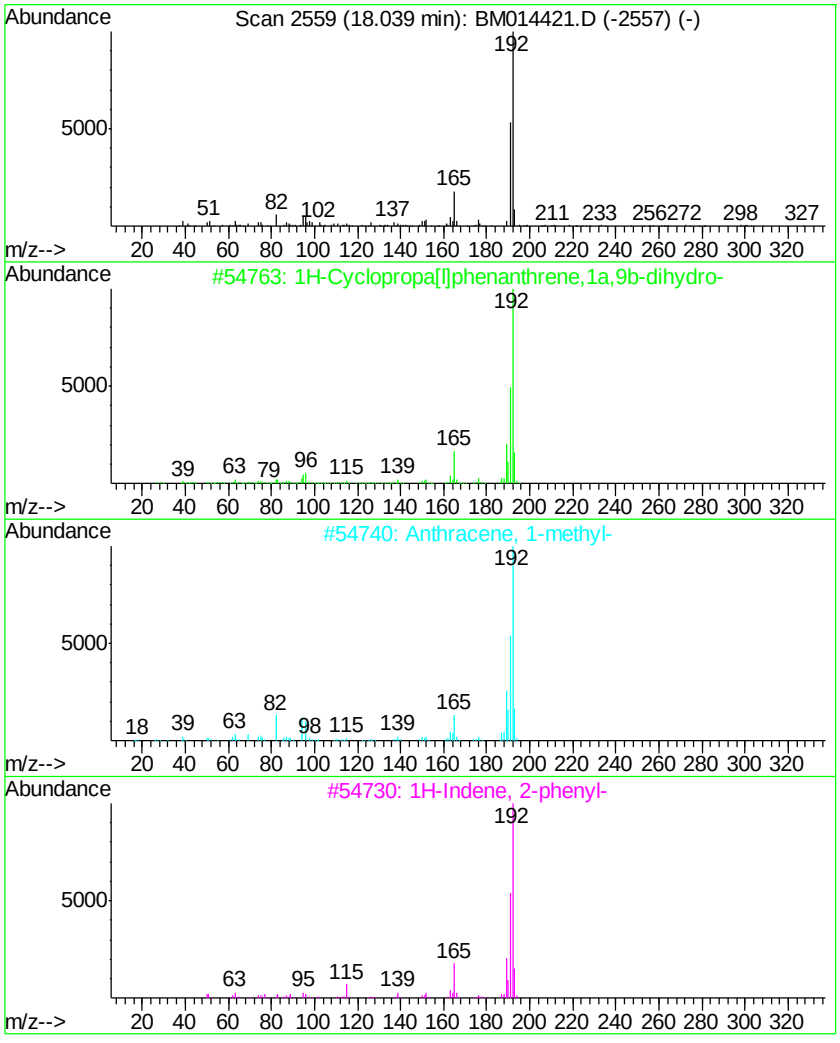
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

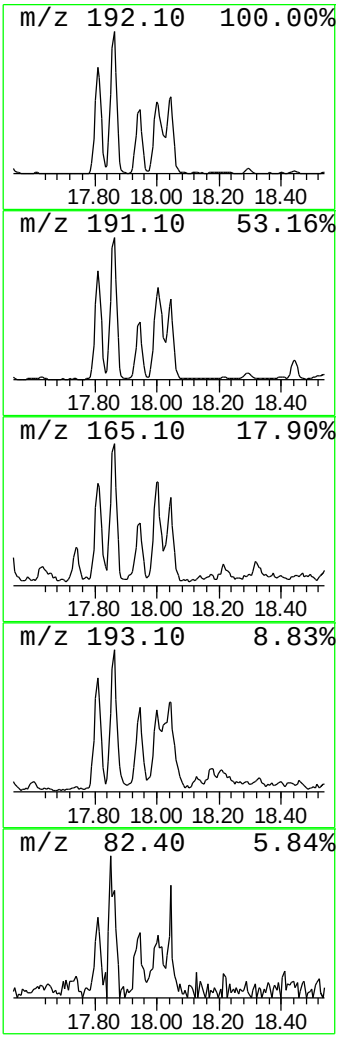
****

Peak Number 13 1H-Cyclopropa[l]phenanthren... Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.04	13.85 ng/ul	1510170	Phenanthrene-d10	16.94

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	87
2	Anthracene, 1-methyl-	192	C15H12	000610-48-0	83
3	1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	80
4	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	74
5	Anthracene, 2-methyl-	192	C15H12	000613-12-7	72





Data Path : Z:\HPCHEM1\BNA M\DATA\BM022818\
Data File : BM014421.D
Acq On : 01 Mar 2018 03:21
Operator : SJ/JU
Sample : J1646-04
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BE5X0

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM021418.M
Quant Title : SVOA CALIBRATION

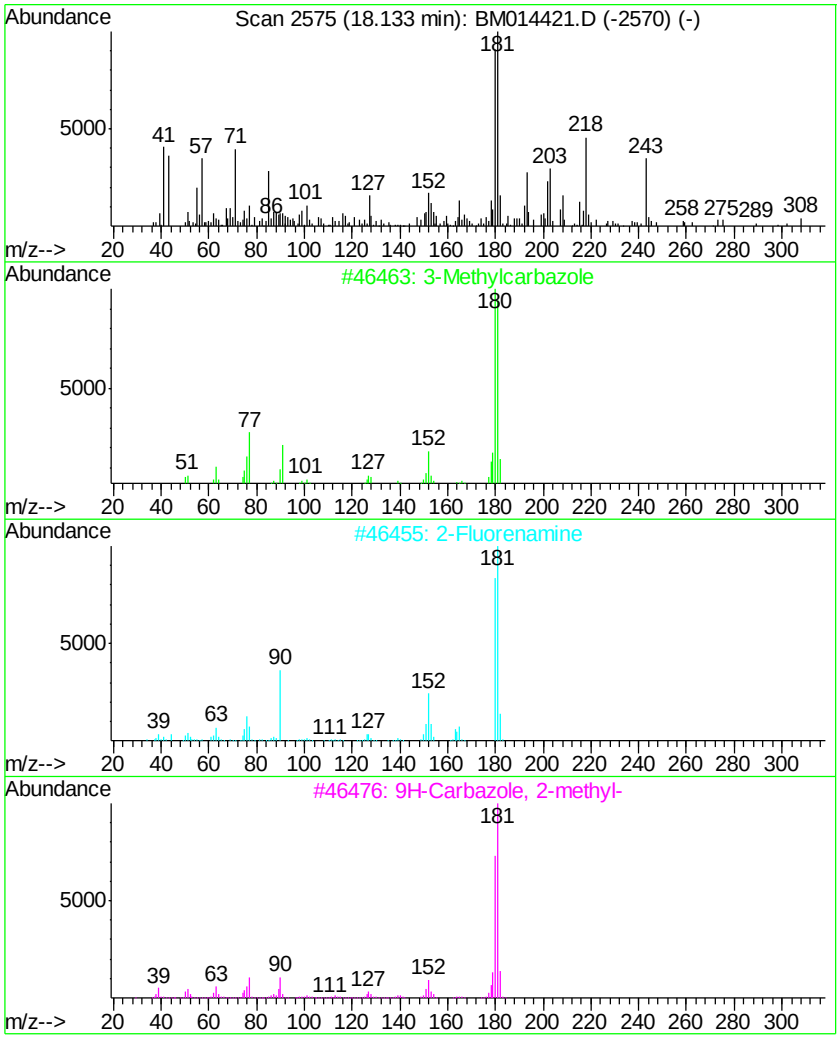
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

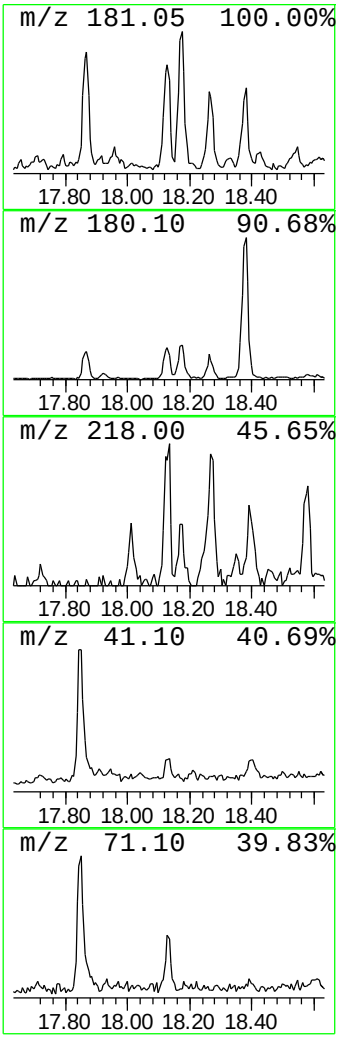
****

Peak Number 14 3-Methylcarbazole Concentration Rank 27

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.13	3.37 ng/ul	367869	Phenanthrene-d10	16.94

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-Methylcarbazole	181	C13H11N	004630-20-0	64
2	2-Fluorenamine	181	C13H11N	000153-78-6	50
3	9H-Carbazole, 2-methyl-	181	C13H11N	003652-91-3	50
4	2-Fluorenamine	181	C13H11N	000153-78-6	50
5	9H-Carbazole, 9-methyl-	181	C13H11N	001484-12-4	50





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA M\DATA\BM022818\
Data File : BM014421.D
Acq On : 01 Mar 2018 03:21
Operator : SJ/JU
Sample : J1646-04
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BE5X0

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM021418.M
Quant Title : SVOA CALIBRATION

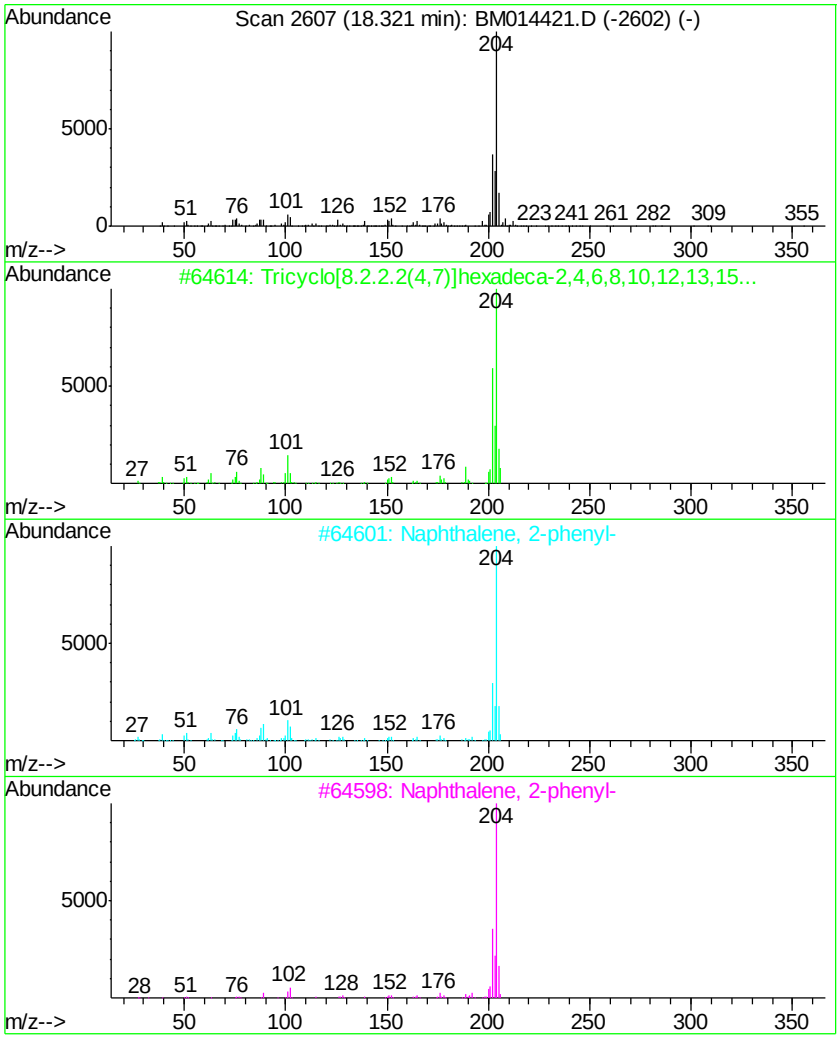
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

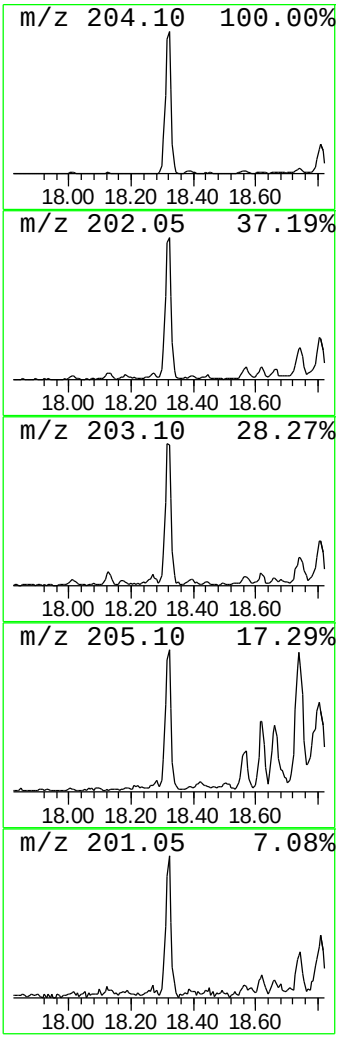
****

Peak Number 15 Tricyclo[8.2.2.2(4,7)]hexad... Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.32	12.22 ng/ul	1332280	Phenanthrene-d10	16.94

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Tricyclo[8.2.2.2(4,7)]hexadeca-2...	204	C16H12	006572-60-7	81
2	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	76
3	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	74
4	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	74
5	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	70





Data Path : Z:\HPCHEM1\BNA M\DATA\BM022818\
Data File : BM014421.D
Acq On : 01 Mar 2018 03:21
Operator : SJ/JU
Sample : J1646-04
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BE5X0

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM021418.M
Quant Title : SVOA CALIBRATION

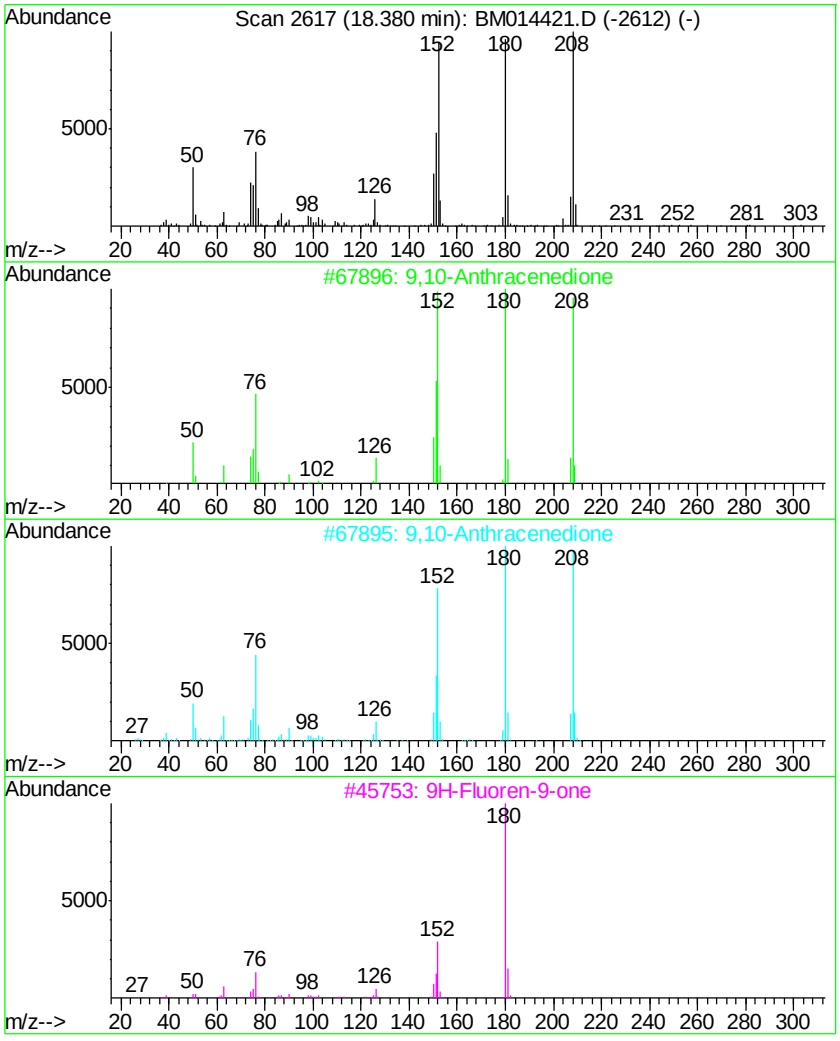
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

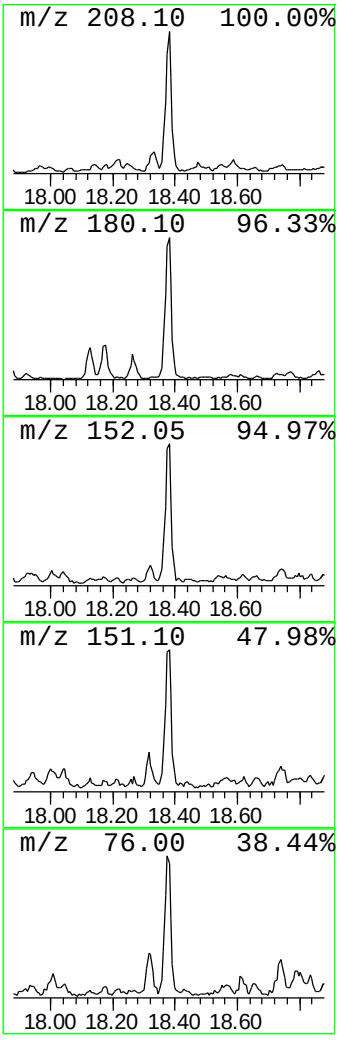
****

Peak Number 16 9,10-Anthracenedione Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.38	10.95 ng/ul	1194040	Phenanthrene-d10	16.94

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9,10-Anthracenedione	208	C14H8O2	000084-65-1	93
2	9,10-Anthracenedione	208	C14H8O2	000084-65-1	87
3	9H-Fluoren-9-one	180	C13H8O	000486-25-9	86
4	Benzo[c]cinnoline	180	C12H8N2	000230-17-1	83
5	9,10-Anthracenedione	208	C14H8O2	000084-65-1	74





Data Path : Z:\HPCHEM1\BNA M\DATA\BM022818\
Data File : BM014421.D
Acq On : 01 Mar 2018 03:21
Operator : SJ/JU
Sample : J1646-04
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BE5X0

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM021418.M
Quant Title : SVOA CALIBRATION

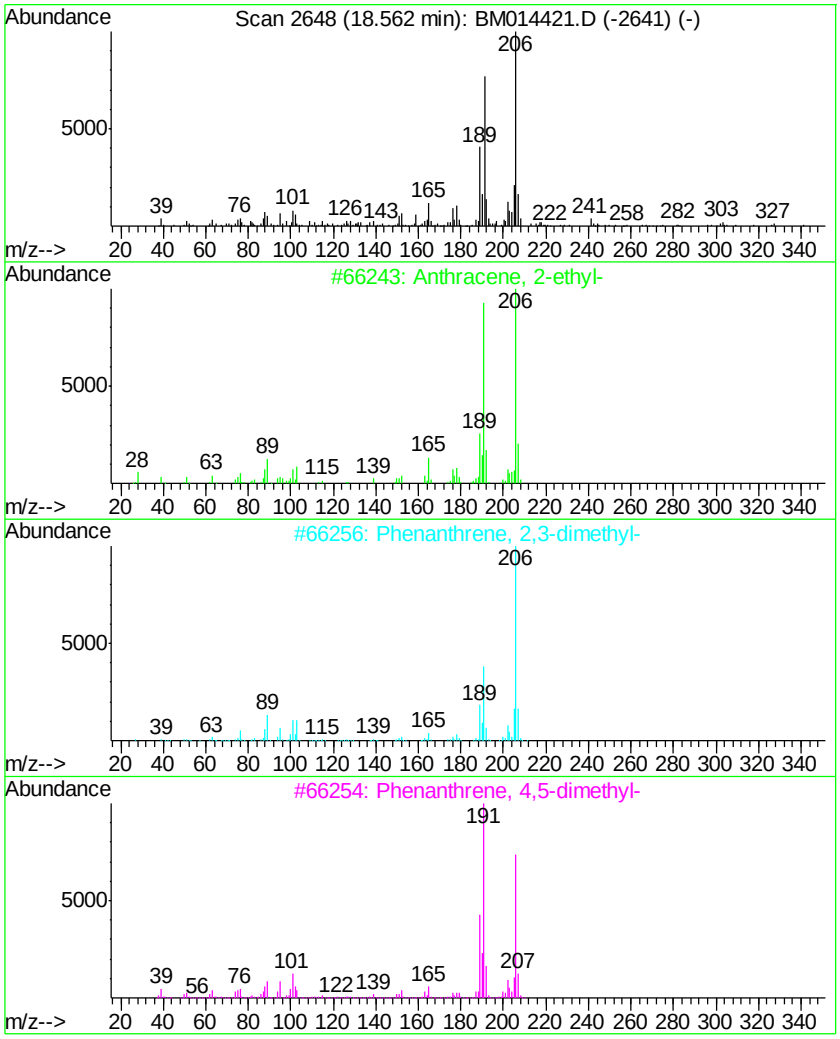
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

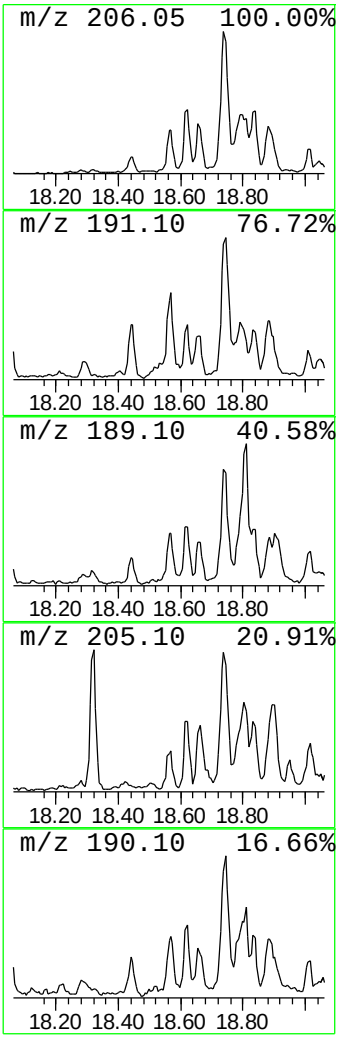
****

Peak Number 17 Anthracene, 2-ethyl- Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.56	6.30 ng/ul	686771	Phenanthrene-d10	16.94

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene, 2-ethyl-	206	C16H14	052251-71-5	95
2	Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	93
3	Phenanthrene, 4,5-dimethyl-	206	C16H14	003674-69-9	91
4	Phenanthrene, 4,5-dimethyl-	206	C16H14	003674-69-9	91
5	1-Methyl-3-phenyl-1H-indene	206	C16H14	022360-62-9	90





Data Path : Z:\HPCHEM1\BNA M\DATA\BM022818\
Data File : BM014421.D
Acq On : 01 Mar 2018 03:21
Operator : SJ/JU
Sample : J1646-04
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BE5X0

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM021418.M
Quant Title : SVOA CALIBRATION

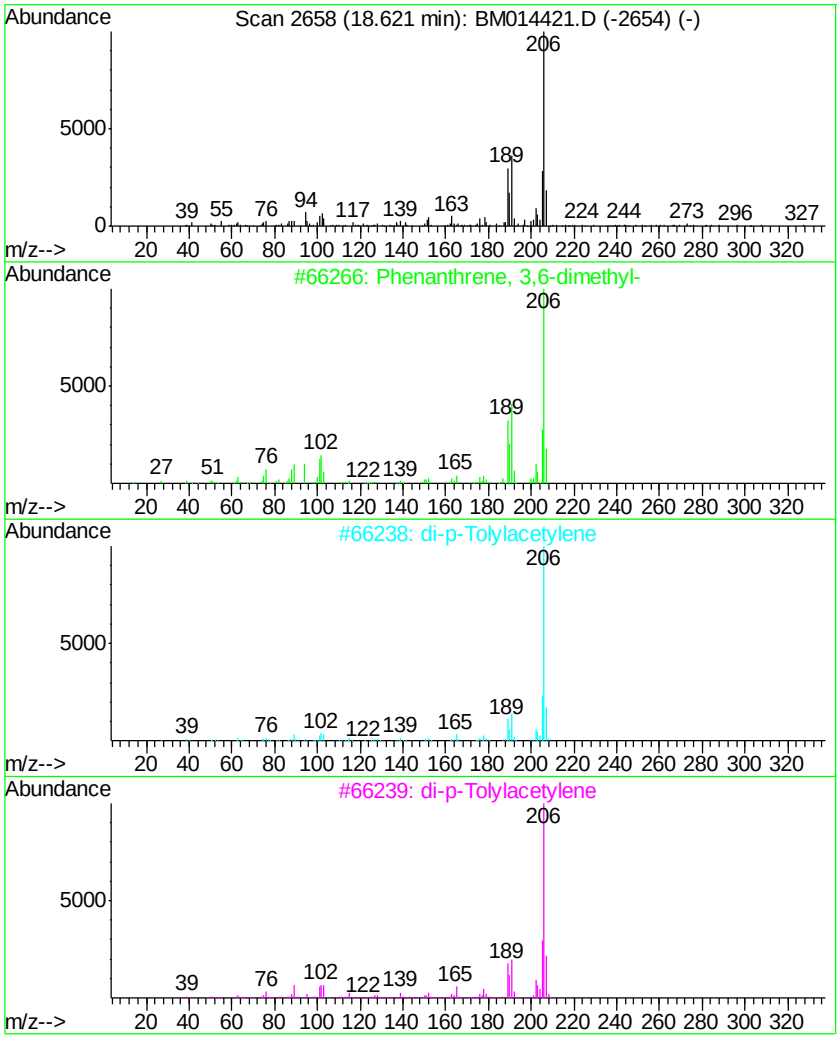
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

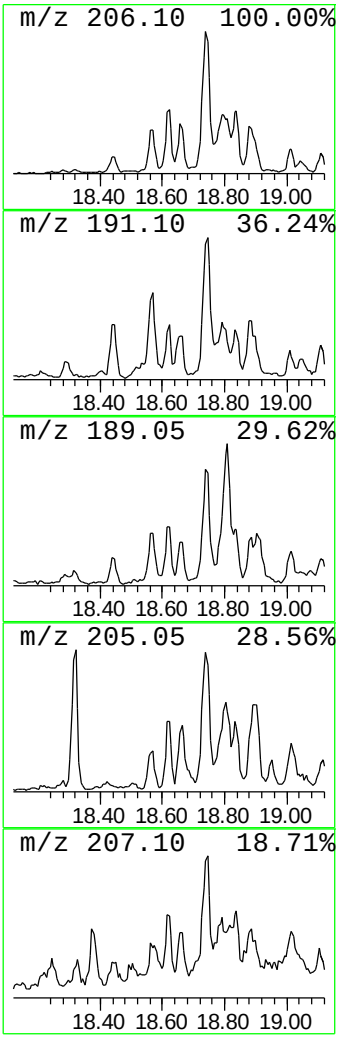
****

Peak Number 18 Phenanthrene, 3,6-dimethyl- Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.62	4.79 ng/ul	522213	Phenanthrene-d10	16.94

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	94
2	di-p-Tolylacetylene	206	C16H14	002789-88-0	94
3	di-p-Tolylacetylene	206	C16H14	002789-88-0	93
4	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	93
5	Phenanthrene, 1,7-dimethyl-	206	C16H14	000483-87-4	93





Data Path : Z:\HPCHEM1\BNA M\DATA\BM022818\
Data File : BM014421.D
Acq On : 01 Mar 2018 03:21
Operator : SJ/JU
Sample : J1646-04
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BE5X0

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM021418.M
Quant Title : SVOA CALIBRATION

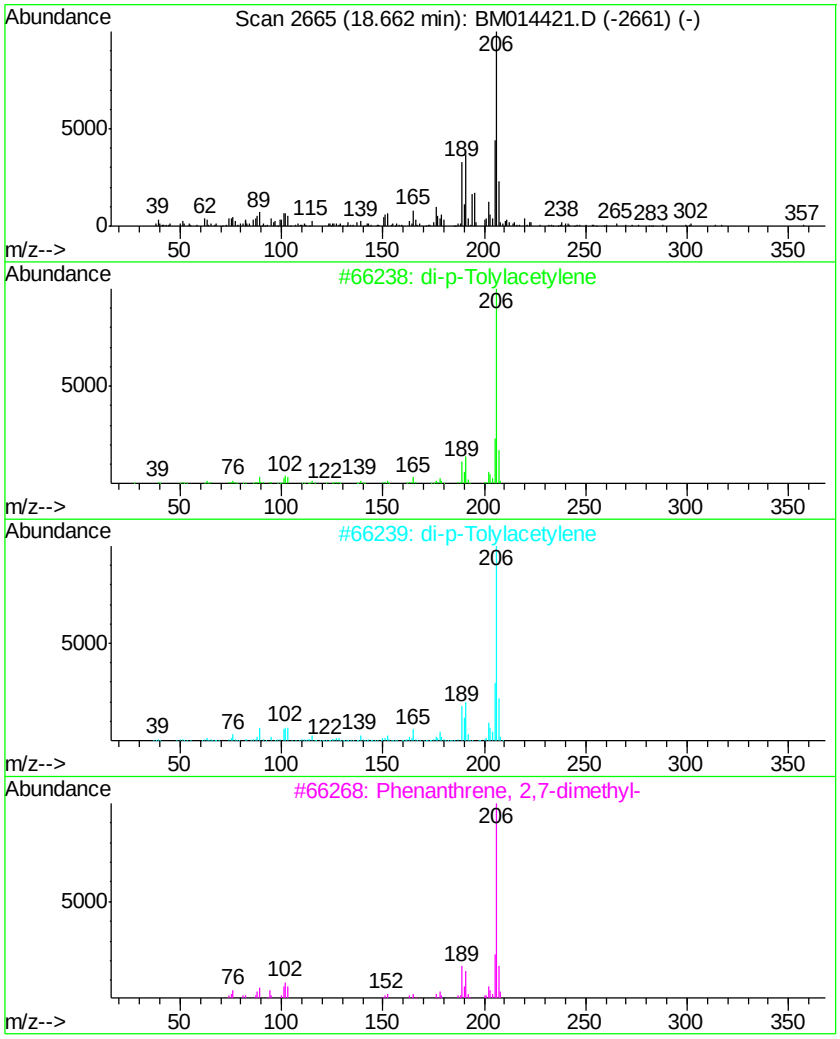
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

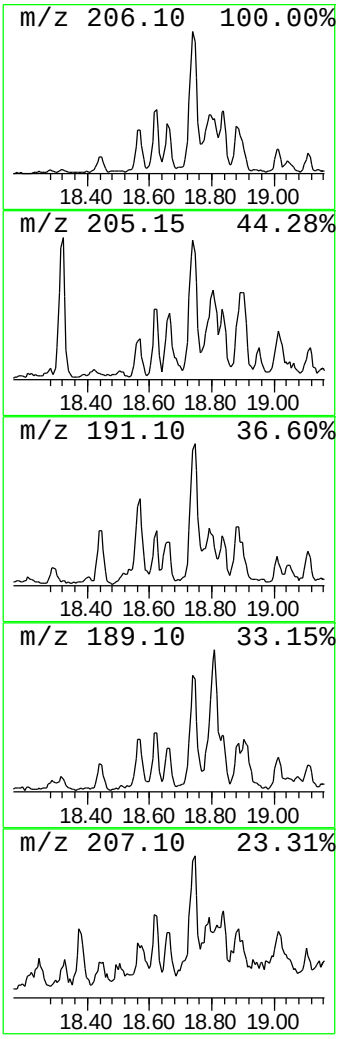
****

Peak Number 19 di-p-Tolylacetylene Concentration Rank 24

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.66	4.12 ng/ul	449707	Phenanthrene-d10	16.94

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	di-p-Tolylacetylene	206	C16H14	002789-88-0	93
2	di-p-Tolylacetylene	206	C16H14	002789-88-0	93
3	Phenanthrene, 2,7-dimethyl-	206	C16H14	001576-69-8	91
4	Phenanthrene, 2,7-dimethyl-	206	C16H14	001576-69-8	91
5	Phenanthrene, 1,7-dimethyl-	206	C16H14	000483-87-4	91





Data Path : Z:\HPCHEM1\BNA M\DATA\BM022818\
Data File : BM014421.D
Acq On : 01 Mar 2018 03:21
Operator : SJ/JU
Sample : J1646-04
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BE5X0

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM021418.M
Quant Title : SVOA CALIBRATION

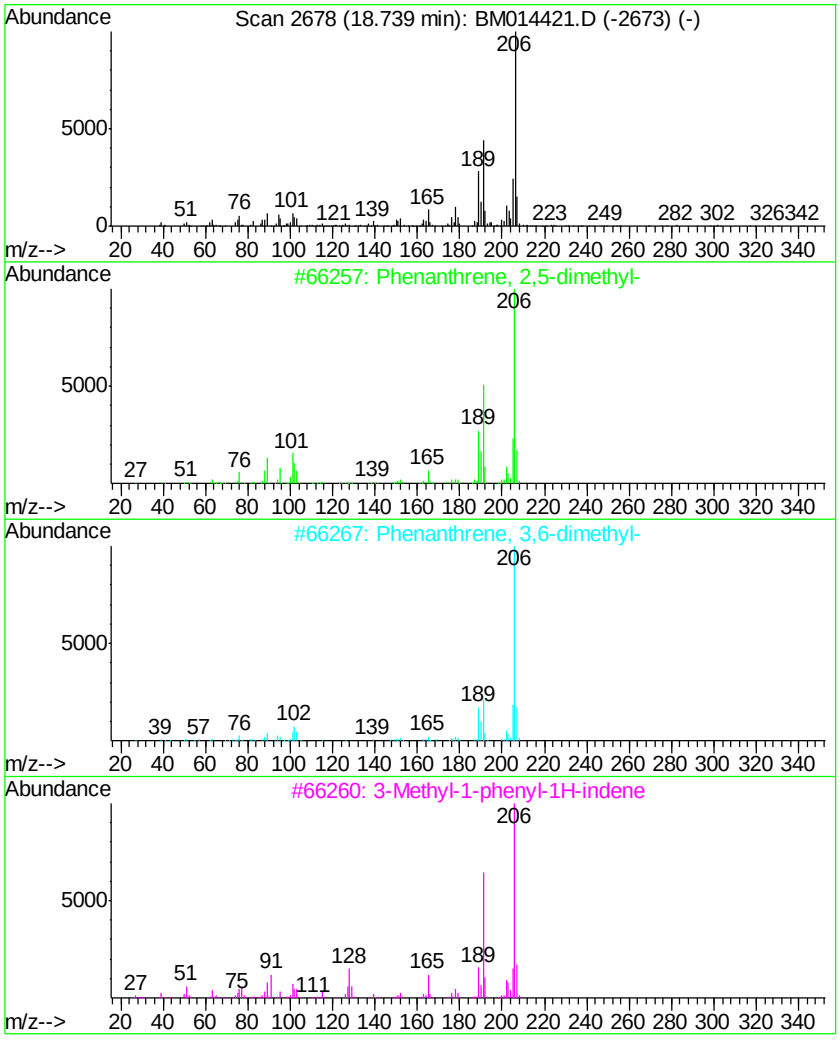
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

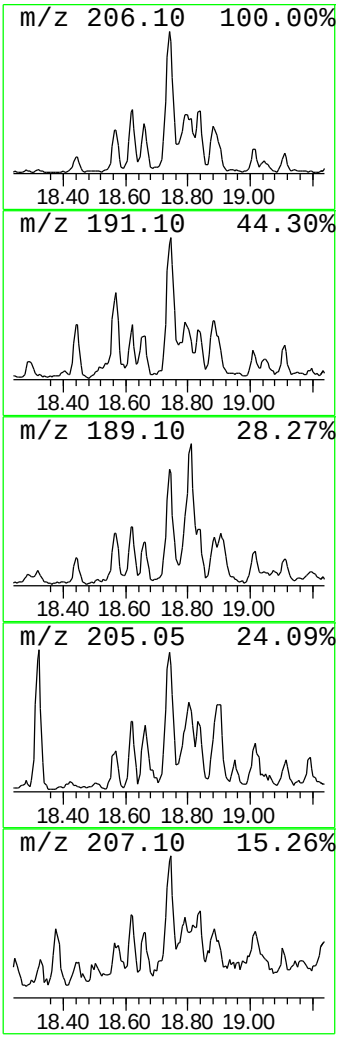
****

Peak Number 20 Phenanthrene, 2,5-dimethyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.74	13.54 ng/ul	1476760	Phenanthrene-d10	16.94

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	97
2	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	94
3	3-Methyl-1-phenyl-1H-indene	206	C16H14	022360-63-0	93
4	di-p-Tolylacetylene	206	C16H14	002789-88-0	93
5	Phenanthrene, 1,7-dimethyl-	206	C16H14	000483-87-4	93





Data Path : Z:\HPCHEM1\BNA M\DATA\BM022818\
Data File : BM014421.D
Acq On : 01 Mar 2018 03:21
Operator : SJ/JU
Sample : J1646-04
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BE5X0

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM021418.M
Quant Title : SVOA CALIBRATION

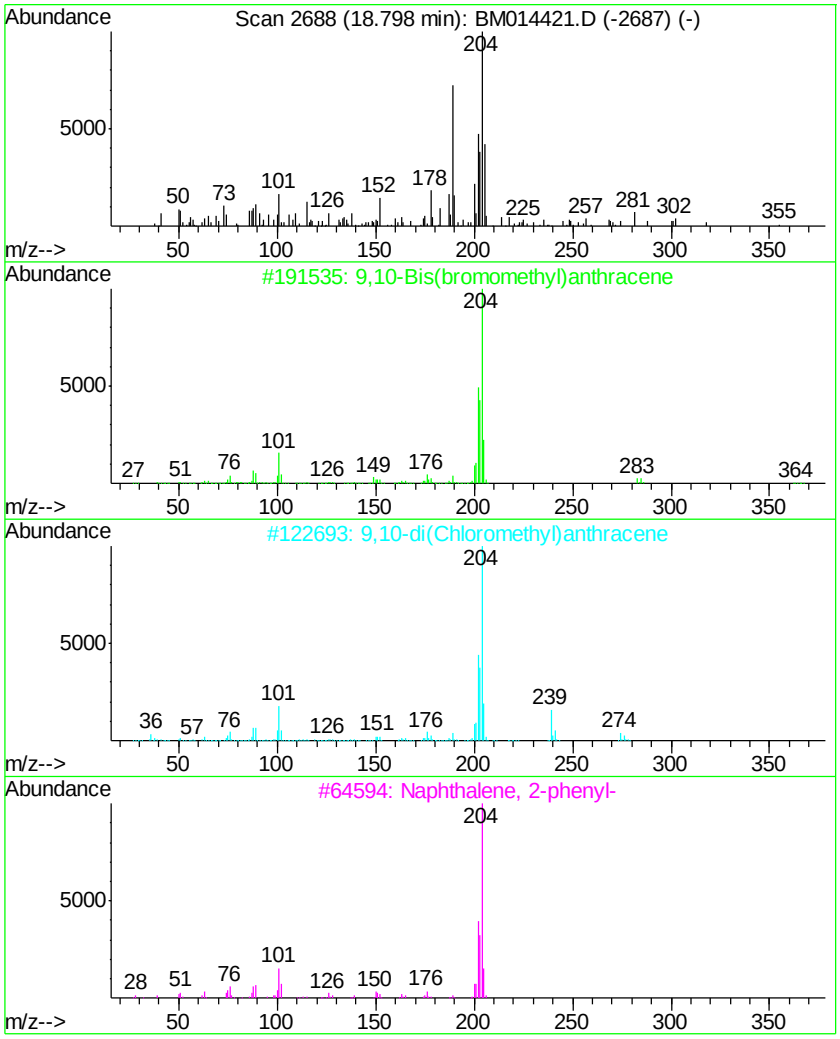
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

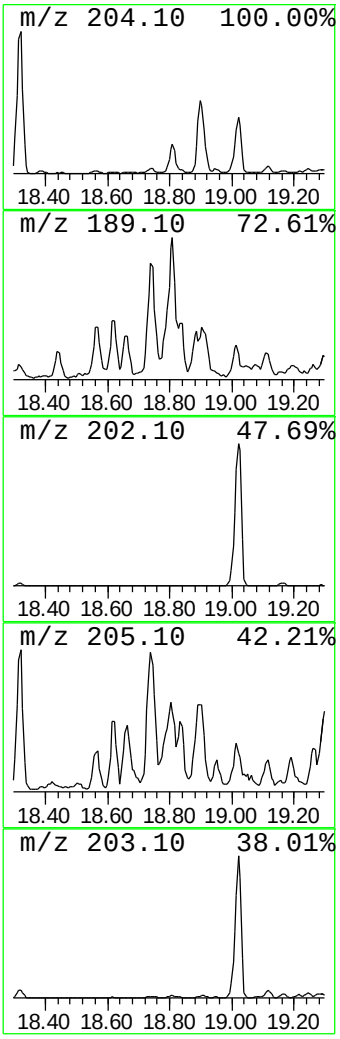
****

Peak Number 21 9,10-Bis(bromomethyl)anthra... Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.80	6.98 ng/ul	761248	Phenanthrene-d10	16.94

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9,10-Bis(bromomethyl)anthracene	362	C16H12Br2	034373-96-1	52
2	9,10-di(Chloromethyl)anthracene	274	C16H12Cl2	010387-13-0	50
3	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	41
4	Acephenanthrylene, 4,5-dihydro-	204	C16H12	006232-48-0	38
5	6-Phenylbenzocyclohepten-7-one	232	C17H12O	093327-56-1	37





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA M\DATA\BM022818\
Data File : BM014421.D
Acq On : 01 Mar 2018 03:21
Operator : SJ/JU
Sample : J1646-04
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BE5X0

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM021418.M
Quant Title : SVOA CALIBRATION

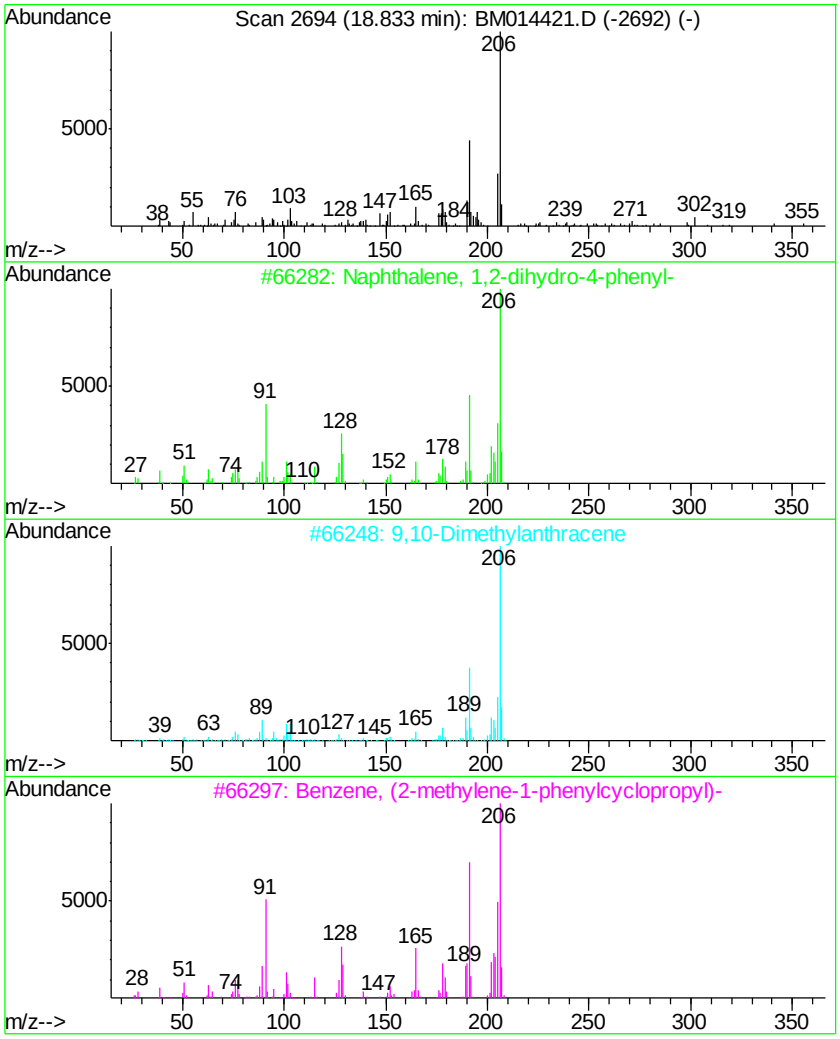
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

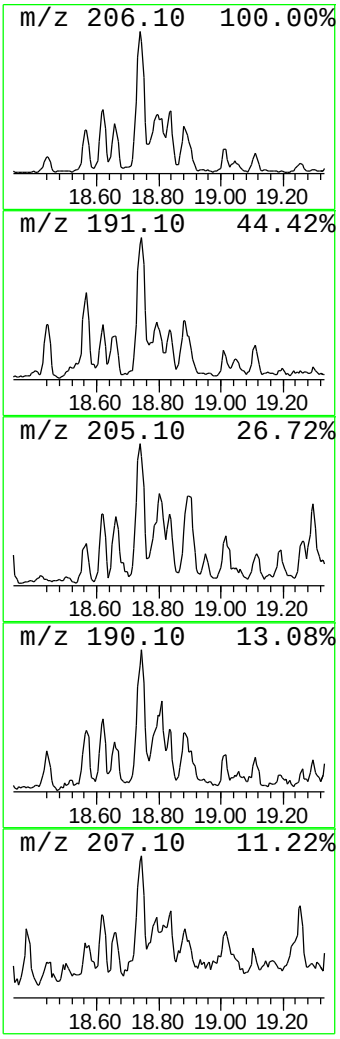
****

Peak Number 22 Naphthalene, 1,2-dihydro-4-... Concentration Rank 25

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.83	3.79 ng/ul	413333	Phenanthrene-d10	16.94

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1,2-dihydro-4-phenyl-	206	C16H14	007469-40-1	90
2	9,10-Dimethylanthracene	206	C16H14	000781-43-1	87
3	Benzene, (2-methylene-1-phenylcy...	206	C16H14	025152-47-0	74
4	Naphthalene, 1,2-dihydro-1-phenyl-	206	C16H14	016606-46-5	74
5	Anthracene, 1,4-dimethyl-	206	C16H14	000781-92-0	72





Data Path : Z:\HPCHEM1\BNA M\DATA\BM022818\
Data File : BM014421.D
Acq On : 01 Mar 2018 03:21
Operator : SJ/JU
Sample : J1646-04
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BE5X0

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM021418.M
Quant Title : SVOA CALIBRATION

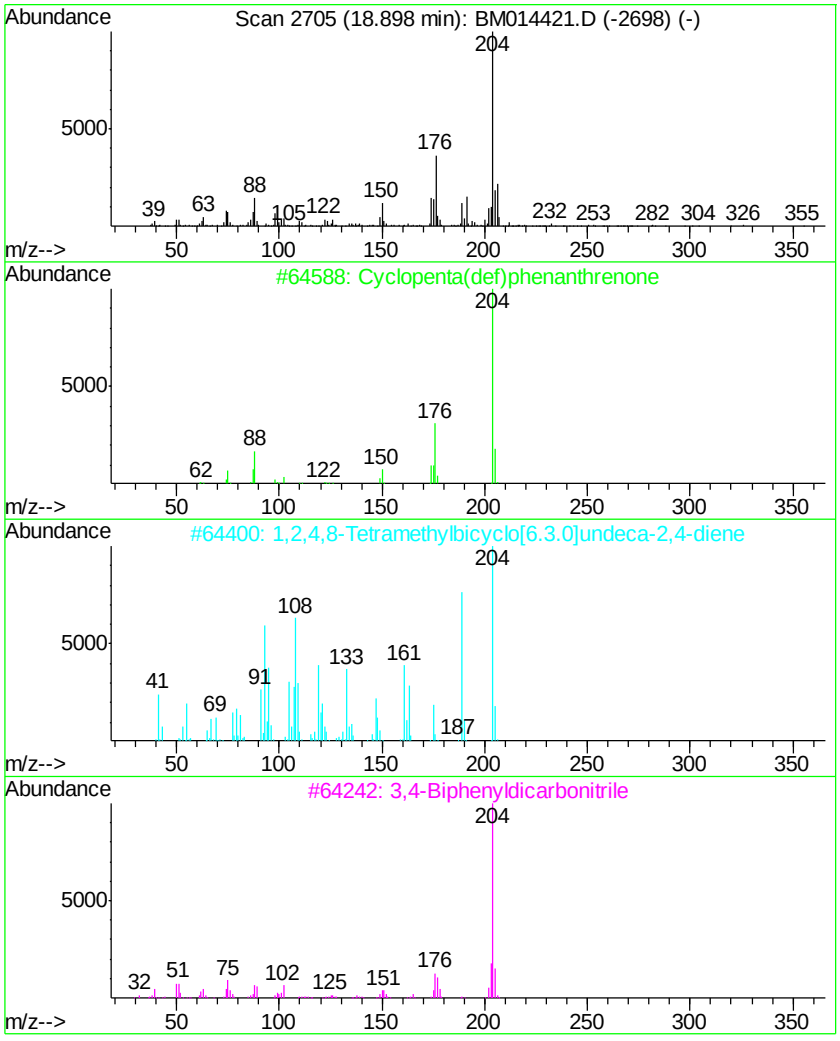
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

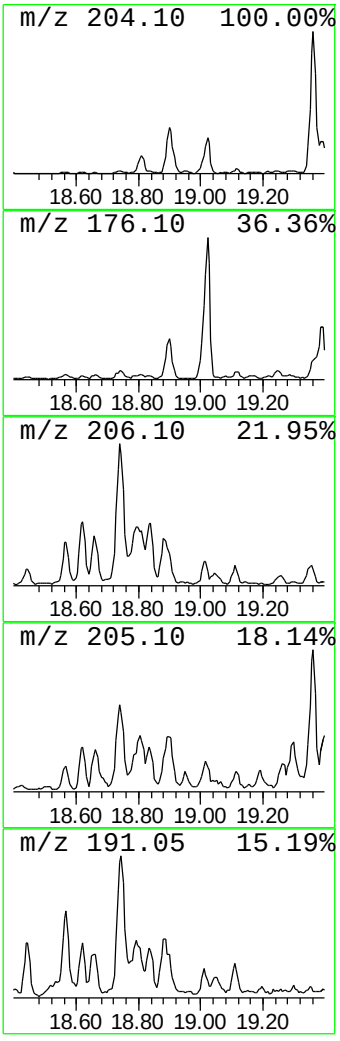
****

Peak Number 23 Cyclopenta(def)phenanthrenone Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.90	13.54 ng/ul	1476630	Phenanthrene-d10	16.94

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopenta(def)phenanthrenone	204	C15H8O	005737-13-3	92
2	1,2,4,8-Tetramethylbicyclo[6.3.0...	204	C15H24	137235-51-9	55
3	3,4-Biphenyldicarbonitrile	204	C14H8N2	004128-63-6	53
4	6-Phenyl-2-thiouracil	204	C10H8N2OS	005590-94-3	50
5	[1,1'-Biphenyl]-4,4'-dicarbonitrile	204	C14H8N2	001591-30-6	49





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA M\DATA\BM022818\
Data File : BM014421.D
Acq On : 01 Mar 2018 03:21
Operator : SJ/JU
Sample : J1646-04
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BE5X0

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM021418.M
Quant Title : SVOA CALIBRATION

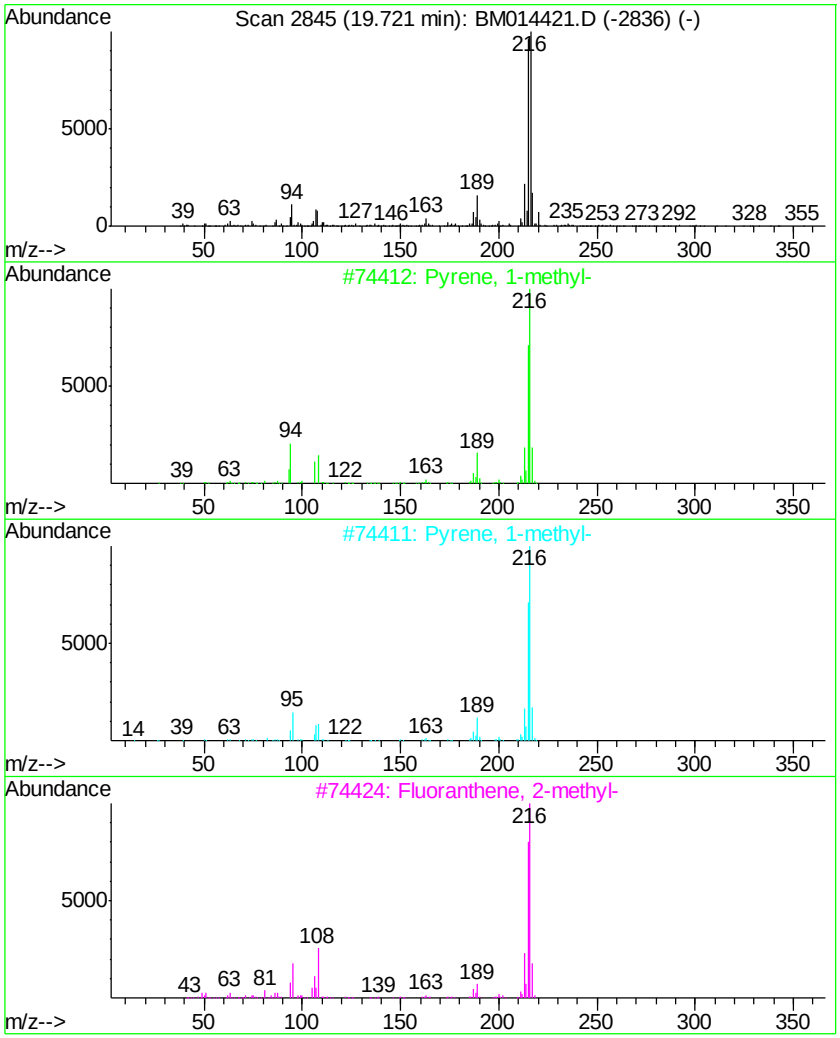
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

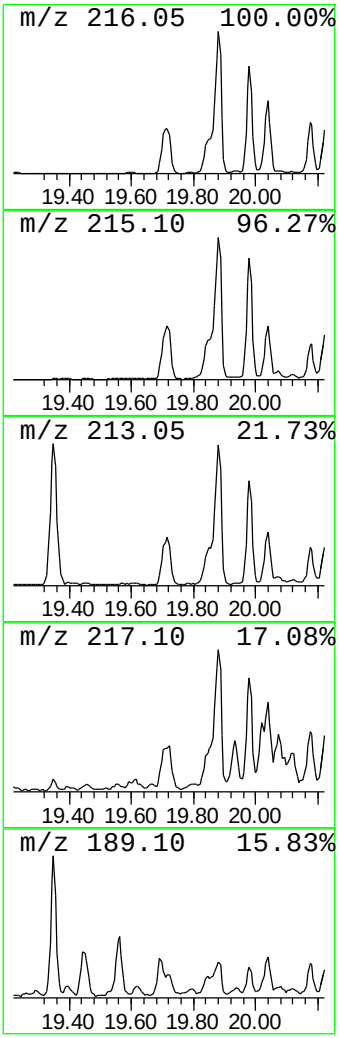
****

Peak Number 24 Pyrene, 1-methyl- Concentration Rank 30

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.72	2.62 ng/ul	2691050	Chrysene-d12	21.16

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene, 1-methyl-	216	C17H12	002381-21-7	93
2	Pyrene, 1-methyl-	216	C17H12	002381-21-7	93
3	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	91
4	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	90
5	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	81





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA M\DATA\BM022818\
Data File : BM014421.D
Acq On : 01 Mar 2018 03:21
Operator : SJ/JU
Sample : J1646-04
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BE5X0

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM021418.M
Quant Title : SVOA CALIBRATION

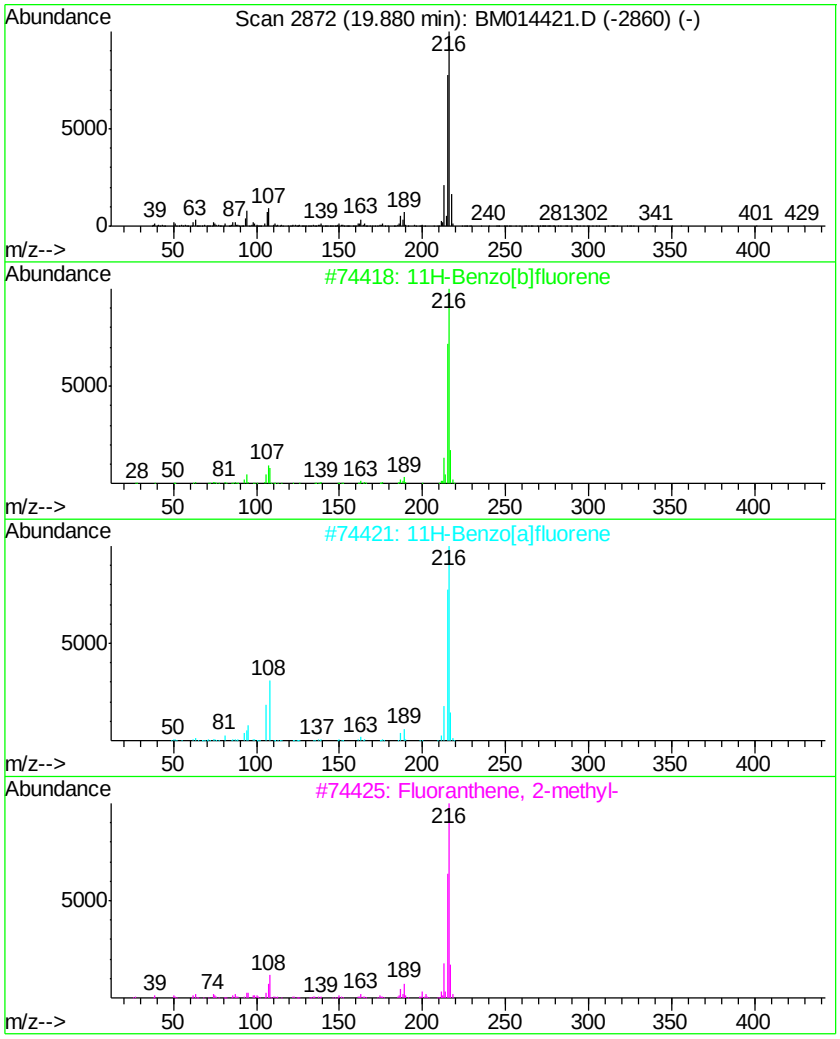
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

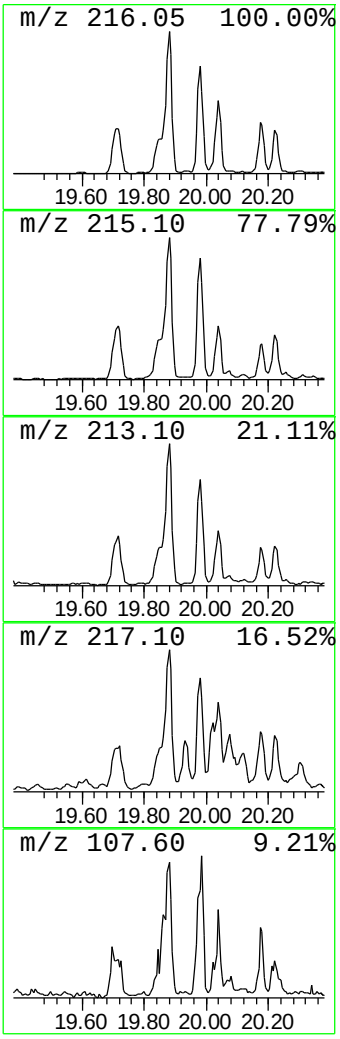
****

Peak Number 25 11H-Benzo[b]fluorene Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.88	5.66 ng/ul	5808870	Chrysene-d12	21.16

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	95
2	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	93
3	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	93
4	Pyrene, 1-methyl-	216	C17H12	002381-21-7	91
5	Pyrene, 1-methyl-	216	C17H12	002381-21-7	90





Data Path : Z:\HPCHEM1\BNA M\DATA\BM022818\
Data File : BM014421.D
Acq On : 01 Mar 2018 03:21
Operator : SJ/JU
Sample : J1646-04
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BE5X0

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM021418.M
Quant Title : SVOA CALIBRATION

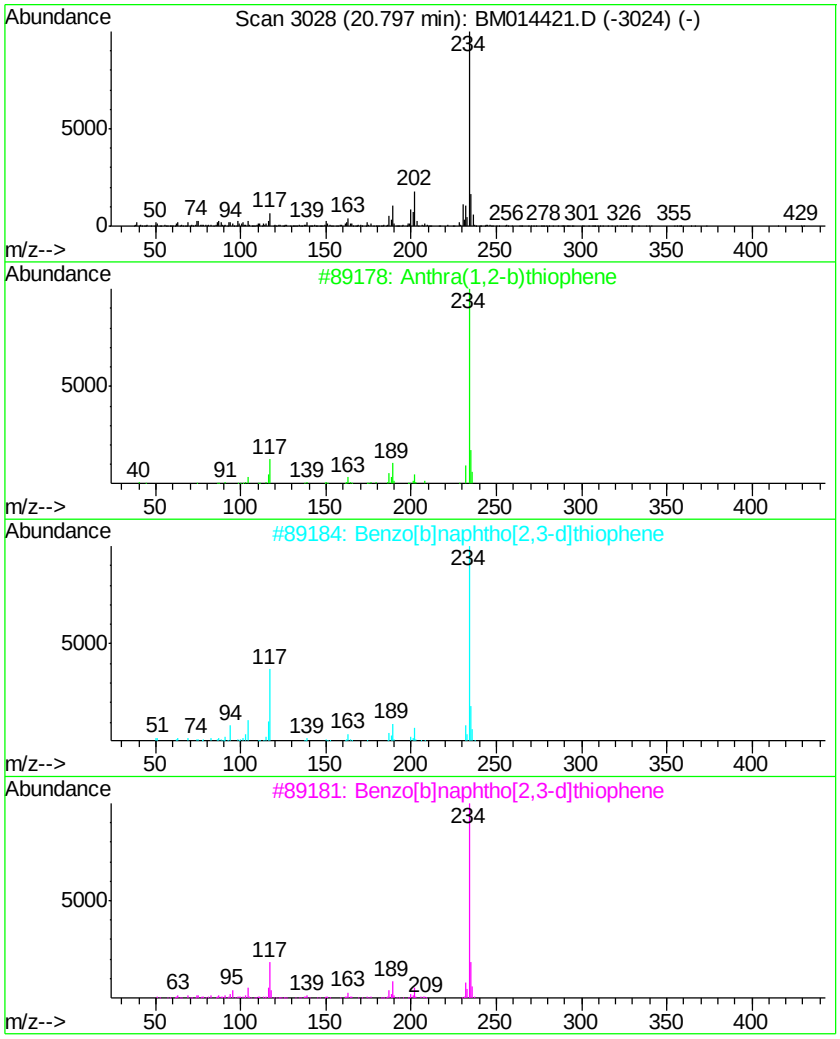
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

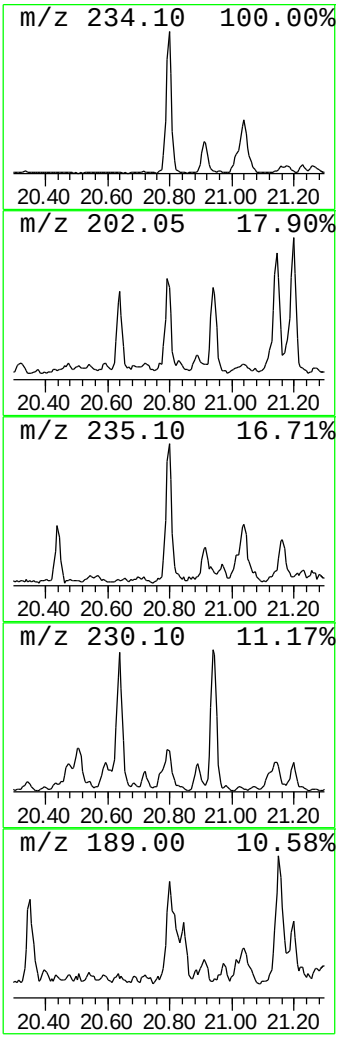
****

Peak Number 28 Anthra(1,2-b)thiophene Concentration Rank 33

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.80	2.09 ng/ul	2139570	Chrysene-d12	21.16

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthra(1,2-b)thiophene	234	C16H10S	000227-86-1	90
2	Benzo[b]naphtho[2,3-d]thiophene	234	C16H10S	000243-46-9	87
3	Benzo[b]naphtho[2,3-d]thiophene	234	C16H10S	000243-46-9	87
4	Benzo[b]naphtho[2,1-d]thiophene	234	C16H10S	000239-35-0	87
5	Benzo[b]naphtho[2,1-d]thiophene	234	C16H10S	000239-35-0	81





Data Path : Z:\HPCHEM1\BNA M\DATA\BM022818\
Data File : BM014421.D
Acq On : 01 Mar 2018 03:21
Operator : SJ/JU
Sample : J1646-04
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BE5X0

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM021418.M
Quant Title : SVOA CALIBRATION

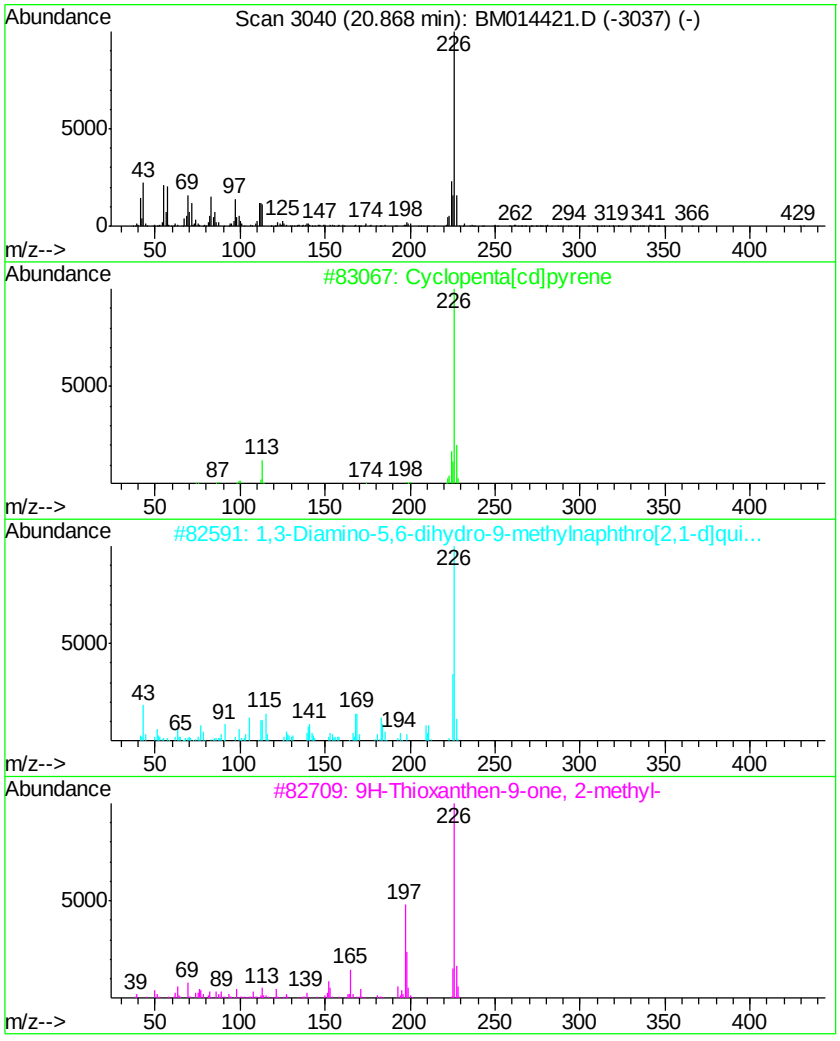
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

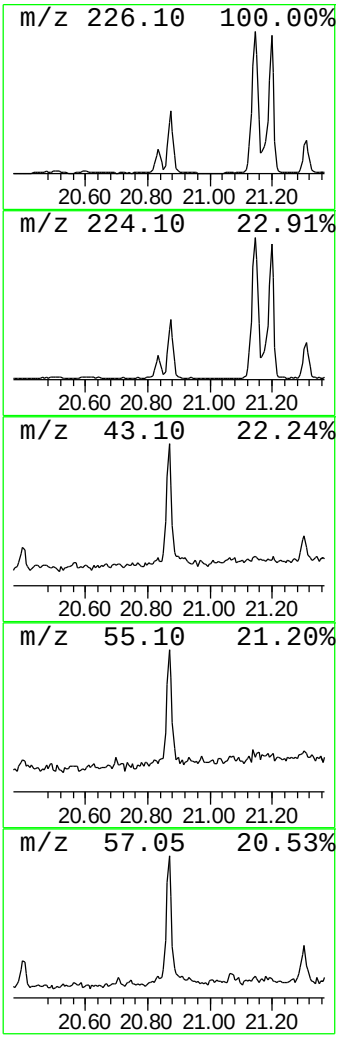
****

Peak Number 29 Cyclopenta[cd]pyrene Concentration Rank 26

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.87	3.67 ng/ul	3767330	Chrysene-d12	21.16

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopenta[cd]pyrene	226	C18H10	027208-37-3	58
2	1,3-Diamino-5,6-dihydro-9-methyl...	226	C13H14N4	037436-39-8	50
3	9H-Thioxanthen-9-one, 2-methyl-	226	C14H10OS	015774-82-0	50
4	5-Methyl-1-phenyl-1,5-dihydro-py...	226	C12H10N4O	1000300-02-1	47
5	1,3-Diamino-5,6-dihydro-7-methyl...	226	C13H14N4	037436-37-6	40





Data Path : Z:\HPCHEM1\BNA M\DATA\BM022818\
Data File : BM014421.D
Acq On : 01 Mar 2018 03:21
Operator : SJ/JU
Sample : J1646-04
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BE5X0

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM021418.M
Quant Title : SVOA CALIBRATION

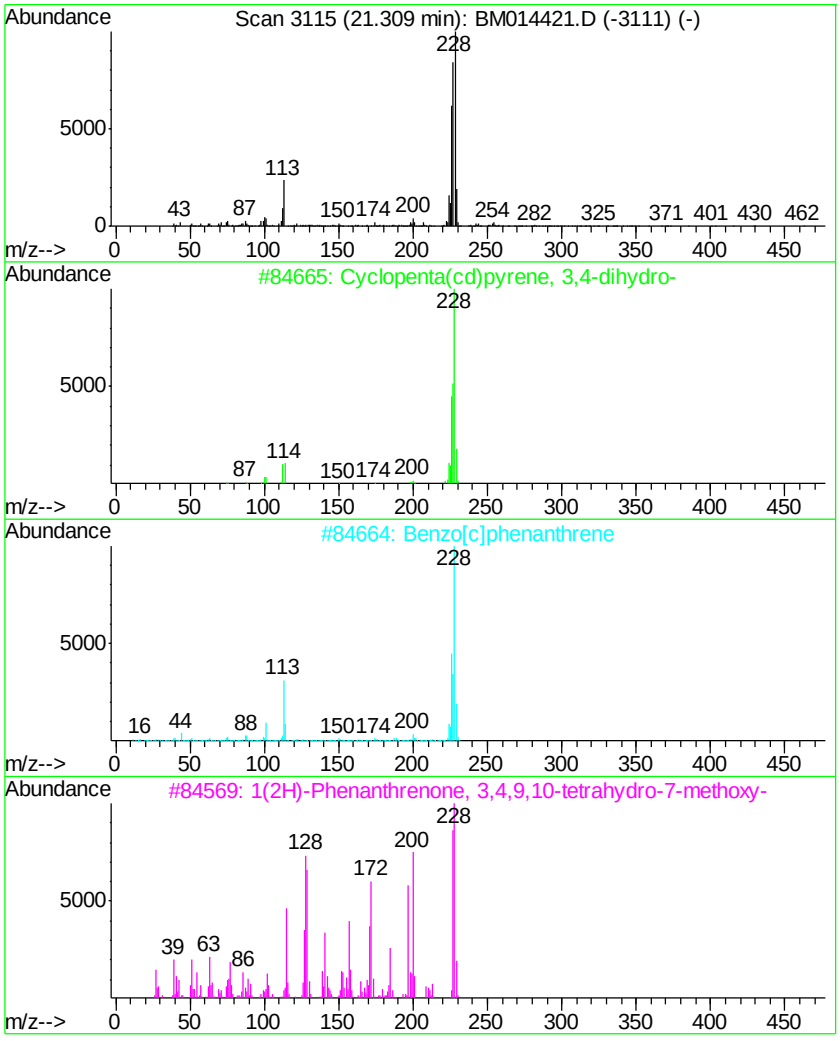
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

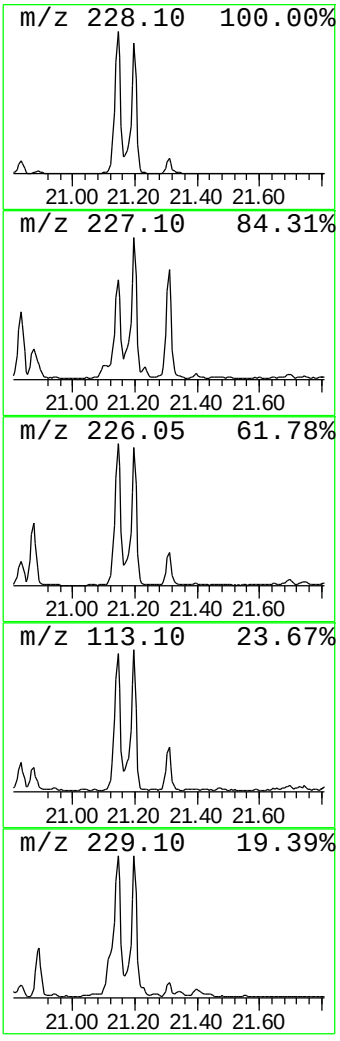
****

Peak Number 30 Cyclopenta(cd)pyrene, 3,4-d... Concentration Rank 32

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.31	2.11 ng/ul	2165700	Chrysene-d12	21.16

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopenta(cd)pyrene, 3,4-dihydro-	228	C18H12	025732-74-5	55
2	Benzo[c]phenanthrene	228	C18H12	000195-19-7	55
3	1(2H)-Phenanthrenone, 3,4,9,10-t...	228	C15H16O2	014427-61-3	50
4	Diphenylvinylphosphine oxide	228	C14H13OP	002096-78-8	50
5	Dimethyl-[4-[2-(3-methylisoxazol...	228	C14H16N2O	1000306-39-6	50





Data Path : Z:\HPCHEM1\BNA M\DATA\BM022818\
Data File : BM014421.D
Acq On : 01 Mar 2018 03:21
Operator : SJ/JU
Sample : J1646-04
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BE5X0

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM021418.M
Quant Title : SVOA CALIBRATION

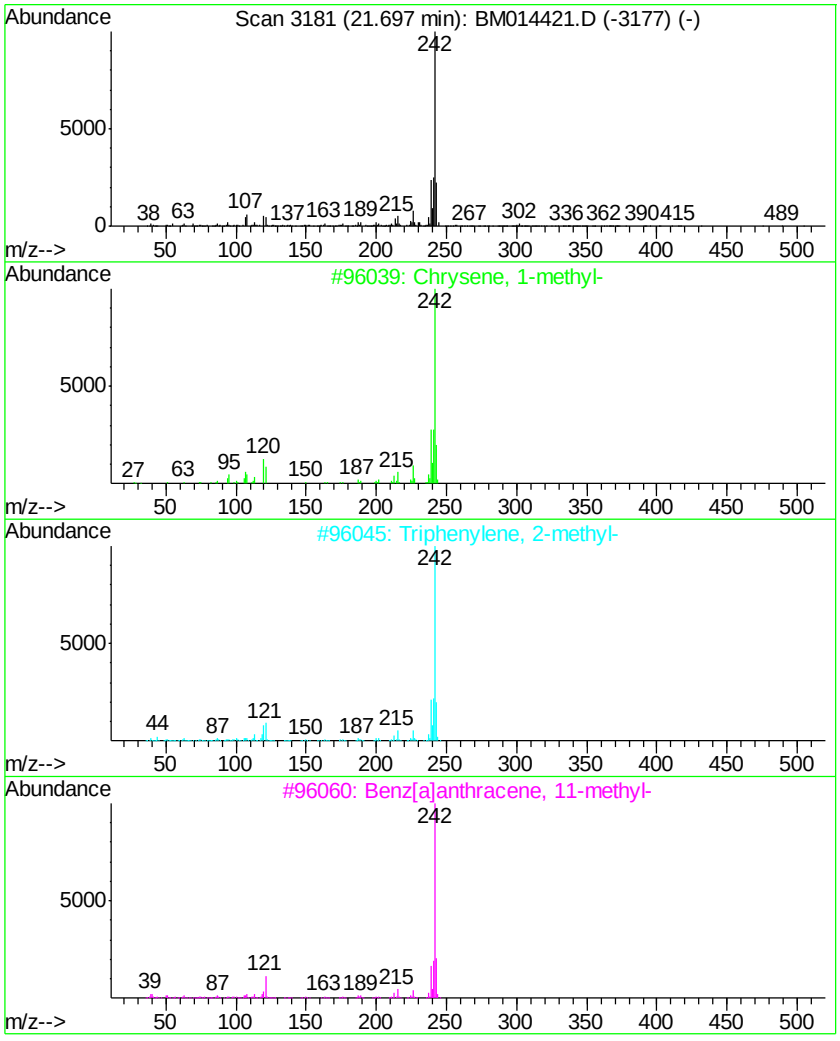
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

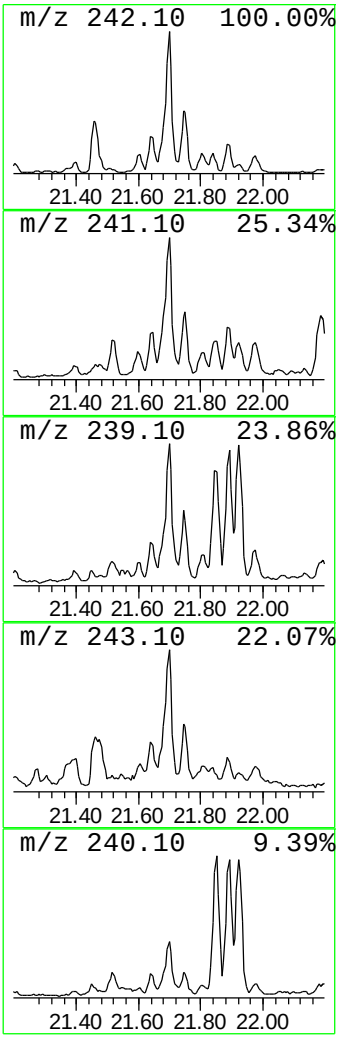
****

Peak Number 31 Chrysene, 1-methyl- Concentration Rank 31

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.70	2.47 ng/ul	2532150	Chrysene-d12	21.16

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Chrysene, 1-methyl-	242	C19H14	003351-28-8	96
2	Triphenylene, 2-methyl-	242	C19H14	001705-84-6	93
3	Benz[a]anthracene, 11-methyl-	242	C19H14	006111-78-0	90
4	Benz[a]anthracene, 9-methyl-	242	C19H14	002381-16-0	90
5	Chrysene, 5-methyl-	242	C19H14	003697-24-3	90





Tentatively Identified Compound (LSC) summary

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM022818\
Data File : BM014421.D
Acq On : 01 Mar 2018 03:21
Operator : SJ/JU
Sample : J1646-04
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BE5X0

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM021418.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
9H-Fluoren-9-ol	15.53	4.6	ng/ul	409863	3	14.17	1792610	20.0
6H-Dibenzo[b,d]-p...	15.68	4.8	ng/ul	523928	4	16.94	2181060	20.0
unknown-01	15.92	4.2	ng/ul	459421	4	16.94	2181060	20.0
9H-Fluorene, 1-me...	16.24	6.2	ng/ul	673704	4	16.94	2181060	20.0
9H-Fluoren-9-one	16.60	4.7	ng/ul	511416	4	16.94	2181060	20.0
Dibenzothiophene	16.75	7.8	ng/ul	851051	4	16.94	2181060	20.0
Acridine	17.13	5.0	ng/ul	540493	4	16.94	2181060	20.0
4-Methylnaphtho[1...	17.52	5.0	ng/ul	549640	4	16.94	2181060	20.0
Phenanthrene, 2-m...	17.81	19.2	ng/ul	2095450	4	16.94	2181060	20.0
Phenanthrene, 1-m...	17.86	31.9	ng/ul	3477270	4	16.94	2181060	20.0
4H-Cyclopenta[def...	18.01	36.2	ng/ul	3946770	4	16.94	2181060	20.0
1H-Cyclopropa[l]p...	18.04	13.9	ng/ul	1510170	4	16.94	2181060	20.0
3-Methylcarbazole	18.13	3.4	ng/ul	367869	4	16.94	2181060	20.0
Tricyclo[8.2.2.2(...	18.32	12.2	ng/ul	1332280	4	16.94	2181060	20.0
9,10-Anthracenedione	18.38	10.9	ng/ul	1194040	4	16.94	2181060	20.0
Anthracene, 2-ethyl-	18.56	6.3	ng/ul	686771	4	16.94	2181060	20.0
Phenanthrene, 3,6...	18.62	4.8	ng/ul	522213	4	16.94	2181060	20.0
di-p-Tolylacetylene	18.66	4.1	ng/ul	449707	4	16.94	2181060	20.0
Phenanthrene, 2,5...	18.74	13.5	ng/ul	1476760	4	16.94	2181060	20.0
9,10-Bis(bromomet...	18.80	7.0	ng/ul	761248	4	16.94	2181060	20.0
Naphthalene, 1,2-...	18.83	3.8	ng/ul	413333	4	16.94	2181060	20.0
Cyclopenta(def)ph...	18.90	13.5	ng/ul	1476630	4	16.94	2181060	20.0
Pyrene, 1-methyl-	19.72	2.6	ng/ul	2691050	5	21.16	20513600	20.0
11H-Benzo[b]fluorene	19.88	5.7	ng/ul	5808870	5	21.16	20513600	20.0
Anthra(1,2-b)thio...	20.80	2.1	ng/ul	2139570	5	21.16	20513600	20.0
Cyclopenta[cd]pyrene	20.87	3.7	ng/ul	3767330	5	21.16	20513600	20.0
Cyclopenta(cd)pyr...	21.31	2.1	ng/ul	2165700	5	21.16	20513600	20.0
Chrysene, 1-methyl-	21.70	2.5	ng/ul	2532150	5	21.16	20513600	20.0