LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM121517\
Data File : BM013470.D
Acq On : 16 Dec 2017 09:59
Operator : SJ/JU
Sample : I6776-05
Misc :
ALS Vial : 27 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F9A57

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-BM113017.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	6.851	634	640	652	rBV	850254	1499212	12.06%	0.814%
2	7.016	662	668	680	rVB	617687	951975	7.66%	0.517%
3	7.210	694	701	709	rBV	845076	1339731	10.78%	0.727%
4	7.675	772	780	788	rBV	934599	1500453	12.07%	0.815%
5	8.204	865	870	879	rBV	115771	212536	1.71%	0.115%
6	8.380	893	900	910	rBV	1123809	1792405	14.42%	0.973%
7	8.828	968	976	986	rVB	852788	1414270	11.38%	0.768%
8	9.545	1091	1098	1107	rBV	725086	1253457	10.08%	0.681%
9	10.080	1181	1189	1200	rBV	1185729	2026682	16.31%	1.101%
10	10.451	1243	1252	1258	rBV	1321082	2235289	17.98%	1.214%
11	10.498	1258	1260	1266	rVB	108340	148694	1.20%	0.081%
12	10.598	1268	1277	1289	rBV	727348	1380776	11.11%	0.750%
13	11.969	1502	1510	1517	rBV3	57428	130628	1.05%	0.071%
14	13.733	1804	1810	1814	rBV	2383713	3264069	26.26%	1.772%
15	13.774	1814	1817	1825	rVB2	286941	454458	3.66%	0.247%
16	14.010	1845	1857	1860	rBV	2552923	4151102	33.40%	2.254%
17	14.039	1860	1862	1871	rVB	1018032	1197213	9.63%	0.650%
18	14.221	1888	1893	1897	rBV2	98660	126550	1.02%	0.069%
19	14.315	1902	1909	1916	rVV2	1879189	2988440	24.04%	1.623%
20	14.380	1916	1920	1927	rVB	191114	285413	2.30%	0.155%
21	14.533	1939	1946	1955	rBV	1214273	2038910	16.40%	1.107%
22	14.715	1969	1977	1986	rBV	168845	321922	2.59%	0.175%
23	15.180	2051	2056	2062	rVB3	156637	242843	1.95%	0.132%
24	15.315	2072	2079	2084	rBV	3570444	4984743	40.11%	2.707%
25	15.368	2084	2088	2095	rVB2	137168	224632	1.81%	0.122%
26	15.445	2095	2101	2107	rBV	806265	1109160	8.92%	0.602%
27	15.580	2115	2124	2128	rBV8	79657	210515	1.69%	0.114%
28	15.662	2134	2138	2143	rBV3	66774	125208	1.01%	0.068%
29	15.804	2160	2162	2172	rVB3	83614	176997	1.42%	0.096%
30	16.045	2197	2203	2210	rBV3	342959	683128	5.50%	0.371%
31	16.645	2301	2305	2310	rVB2	131607	177964	1.43%	0.097%
32	16.721	2312	2318	2325	rBV	1409632	2054620	16.53%	1.116%
33	16.833	2334	2337	2342	rVV	149021	166686	1.34%	0.091%
34	16.886	2342	2346	2354	rVB	241167	374434	3.01%	0.203%

LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM121517\
Data File : BM013470.D
Acq On : 16 Dec 2017 09:59
Operator : SJ/JU
Sample : I6776-05
Misc :
ALS Vial : 27 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F9A57

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-BM113017.M
Title : SVOA CALIBRATION

35	17.068	2371	2377	2380	rBV2	2397833	3448516	27.75%	1.873%
36	17.109	2380	2384	2388	rVV	2212579	2933237	23.60%	1.593%
37	17.168	2388	2394	2397	rVV	4261517	6272001	50.46%	3.406%
38	17.198	2397	2399	2405	rVV	1973246	2416037	19.44%	1.312%
39	17.256	2405	2409	2416	rVB3	121509	201757	1.62%	0.110%
40	17.474	2437	2446	2450	rBV	540264	914651	7.36%	0.497%
41	17.574	2459	2463	2471	rVB4	174560	331233	2.66%	0.180%
42	17.650	2472	2476	2479	rBV4	101959	160612	1.29%	0.087%
43	17.915	2517	2521	2522	rBV3	110443	128582	1.03%	0.070%
44	17.939	2522	2525	2527	rVV	194212	239507	1.93%	0.130%
45	17.974	2527	2531	2540	rVB2	822326	1427056	11.48%	0.775%
46	18.068	2543	2547	2553	rVB	325849	418035	3.36%	0.227%
47	18.139	2553	2559	2563	rBV3	465170	897846	7.22%	0.488%
48	18.262	2577	2580	2583	rBV4	151353	154255	1.24%	0.084%
49	18.339	2589	2593	2597	rBV2	272572	396346	3.19%	0.215%
50	18.445	2608	2611	2614	rVB2	203254	235372	1.89%	0.128%
51	18.492	2614	2619	2625	rVB2	507342	695363	5.59%	0.378%
52	18.780	2666	2668	2672	rVB2	151744	171486	1.38%	0.093%
53	18.862	2678	2682	2691	rBV4	284131	884888	7.12%	0.481%
54	19.009	2702	2707	2712	rBV	912759	1214526	9.77%	0.660%
55	19.133	2722	2728	2735	rVB	8074980	10500146	84.48%	5.702%
56	19.197	2736	2739	2742	rBV4	135033	162908	1.31%	0.088%
57	19.233	2742	2745	2746	rBV	131395	138930	1.12%	0.075%
58	19.256	2746	2749	2751	rBV	483579	538644	4.33%	0.292%
59	19.468	2779	2785	2787	rBV2	5808955	8437035	67.88%	4.581%
60	19.497	2787	2790	2798	rVV	7926562	10704226	86.12%	5.813%
61	19.568	2798	2802	2808	rVB3	374812	643756	5.18%	0.350%
62	19.674	2817	2820	2825	rVB	273525	394290	3.17%	0.214%
63	19.739	2827	2831	2837	rVB	1042710	1466505	11.80%	0.796%
64	19.821	2840	2845	2846	rBV3	589972	849847	6.84%	0.461%
65	19.974	2863	2871	2877	rVB5	669212	2123863	17.09%	1.153%
66	20.039	2880	2882	2886	rVV	206421	230094	1.85%	0.125%
67	20.092	2888	2891	2894	rVV	247951	317034	2.55%	0.172%
68	20.144	2894	2900	2905	rVV2	811074	1496817	12.04%	0.813%
69	20.186	2905	2907	2911	rVB3	268746	337181	2.71%	0.183%
70	20.291	2921	2925	2928	rBV	589020	788514	6.34%	0.428%
71	20.650	2984	2986	2990	rVB4	215652	222454	1.79%	0.121%

LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM121517\
Data File : BM013470.D
Acq On : 16 Dec 2017 09:59
Operator : SJ/JU
Sample : I6776-05
Misc :
ALS Vial : 27 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F9A57

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-BM113017.M
Title : SVOA CALIBRATION

72	20.739	2997	3001	3008	rBV	1143721	1587108	12.77%	0.862%
73	20.903	3025	3029	3033	rBV3	774239	1144044	9.20%	0.621%
74	20.944	3033	3036	3039	rVV	770581	877452	7.06%	0.476%
75	20.980	3039	3042	3048	rVV2	1486263	2011894	16.19%	1.092%
76	21.038	3049	3052	3059	rVB	747446	975673	7.85%	0.530%
77	21.250	3080	3088	3094	rBV2	4672929	11325884	91.12%	6.150%
78	21.297	3094	3096	3106	rVB	3671632	4880429	39.27%	2.650%
79	21.568	3138	3142	3147	rVB2	620051	987613	7.95%	0.536%
80	21.621	3148	3151	3154	rBV3	418713	488755	3.93%	0.265%
81	22.003	3213	3216	3219	rBV	353421	428051	3.44%	0.232%
82	22.574	3308	3313	3323	rVB5	563886	1439643	11.58%	0.782%
83	22.827	3349	3356	3361	rBV	5551861	12429026	100.00%	6.749%
84	22.991	3379	3384	3390	rBV	1072264	1703926	13.71%	0.925%
85	23.121	3403	3406	3415	rBV4	365872	782267	6.29%	0.425%
86	23.303	3431	3437	3441	rBV	2876704	5510236	44.33%	2.992%
87	23.350	3441	3445	3449	rVV2	2707154	4970386	39.99%	2.699%
88	23.397	3449	3453	3459	rVB	3163544	5179506	41.67%	2.813%
89	23.485	3463	3468	3473	rVV	1323854	2673976	21.51%	1.452%
90	23.538	3473	3477	3485	rVB2	1175988	2379908	19.15%	1.292%
91	25.044	3729	3733	3740	rVB4	280447	533217	4.29%	0.290%
92	25.485	3803	3808	3817	rVB4	579792	1443611	11.61%	0.784%
93	25.732	3840	3850	3863	rVB2	2284068	9508461	76.50%	5.163%
94	26.009	3887	3897	3903	rBV7	465846	1674911	13.48%	0.909%
95	26.415	3956	3966	3974	rBV	1697358	5082923	40.90%	2.760%

Sum of corrected areas: 184157565

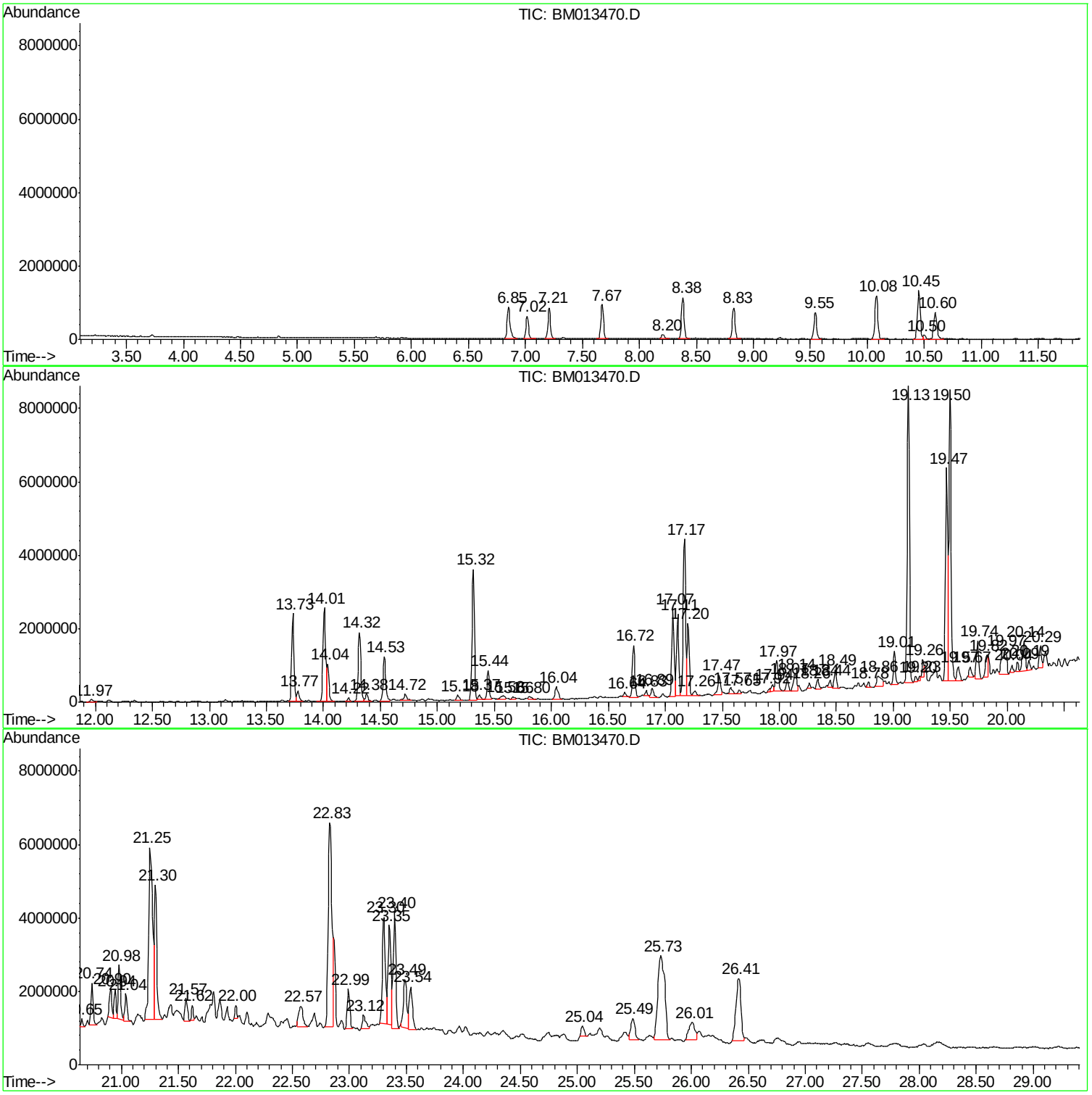
LSC Report - Integrated Chromatogram

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM121517\
Data File : BM013470.D
Acq On : 16 Dec 2017 09:59
Operator : SJ/JU
Sample : I6776-05
Misc :
ALS Vial : 27 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F9A57

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM113017.M
Quant Title : SVOA CALIBRATION

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



Data Path : Z:\HPCHEM1\BNA_M\DATA\BM121517\
Data File : BM013470.D
Acq On : 16 Dec 2017 09:59
Operator : SJ/JU
Sample : I6776-05
Misc :
ALS Vial : 27 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F9A57

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM113017.M
Quant Title : SVOA CALIBRATION

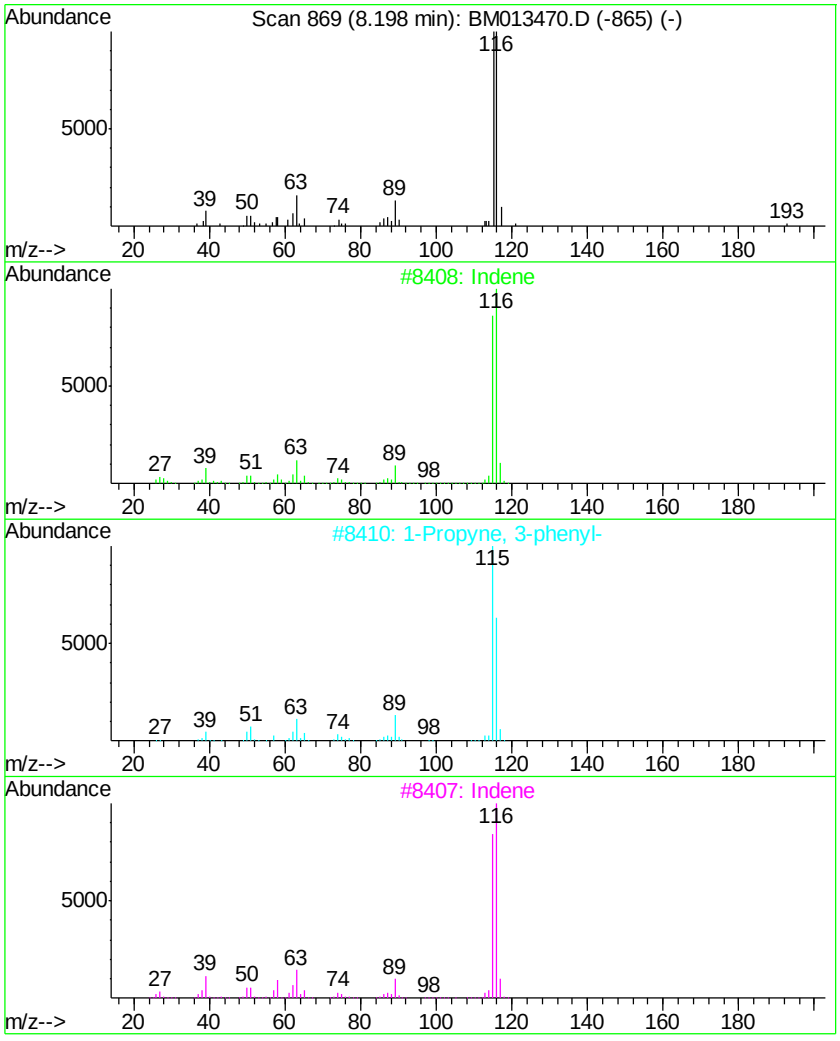
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

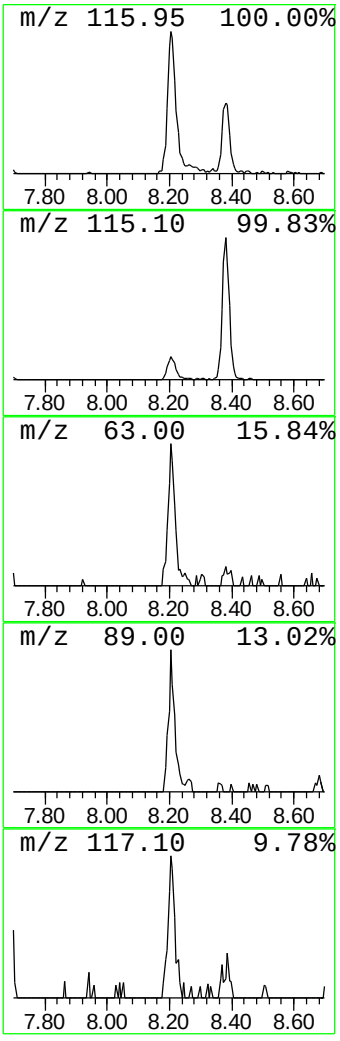
****

Peak Number 1 Indene Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.20	2.83 ng/ul	212536	1,4-Dichlorobenzene-d4	7.67

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Indene	116	C9H8	000095-13-6	94
2	1-Propyne, 3-phenyl-	116	C9H8	010147-11-2	91
3	Indene	116	C9H8	000095-13-6	91
4	Benzene, 1-propynyl-	116	C9H8	000673-32-5	91
5	Benzene, 1,2-propadienyl-	116	C9H8	002327-99-3	91





Data Path : Z:\HPCHEM1\BNA_M\DATA\BM121517\
Data File : BM013470.D
Acq On : 16 Dec 2017 09:59
Operator : SJ/JU
Sample : I6776-05
Misc :
ALS Vial : 27 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F9A57

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM113017.M
Quant Title : SVOA CALIBRATION

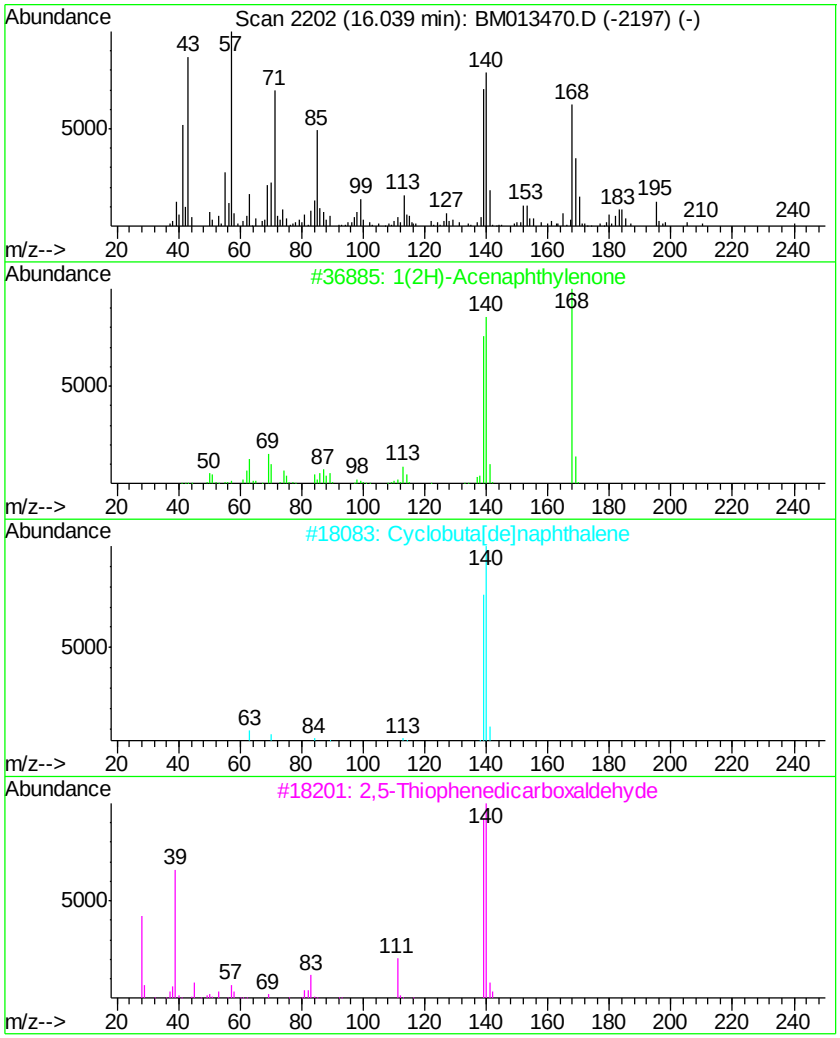
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

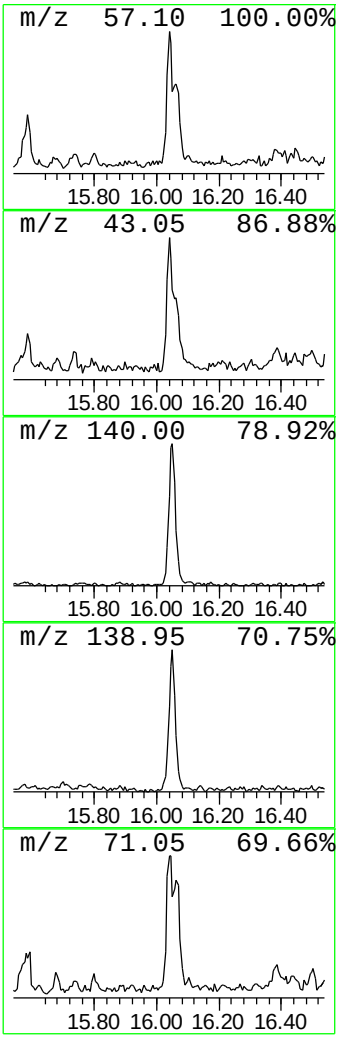
****

Peak Number 2 1(2H)-Acenaphthylenone Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.04	3.96 ng/ul	683128	Phenanthrene-d10	17.07

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1(2H)-Acenaphthylenone	168	C12H8O	002235-15-6	64
2	Cyclobuta[de]naphthalene	140	C11H8	024973-91-9	38
3	2,5-Thiophenedicarboxaldehyde	140	C6H4O2S	000932-95-6	27
4	Benzaldehyde, 2-fluoro-3-hydroxy-	140	C7H5FO2	103438-86-4	27
5	1,2,3,4-Tetrahydro-5-(2-hydroxye...	170	C7H10N2O3	023935-66-2	25





Data Path : Z:\HPCHEM1\BNA_M\DATA\BM121517\
Data File : BM013470.D
Acq On : 16 Dec 2017 09:59
Operator : SJ/JU
Sample : I6776-05
Misc :
ALS Vial : 27 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F9A57

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM113017.M
Quant Title : SVOA CALIBRATION

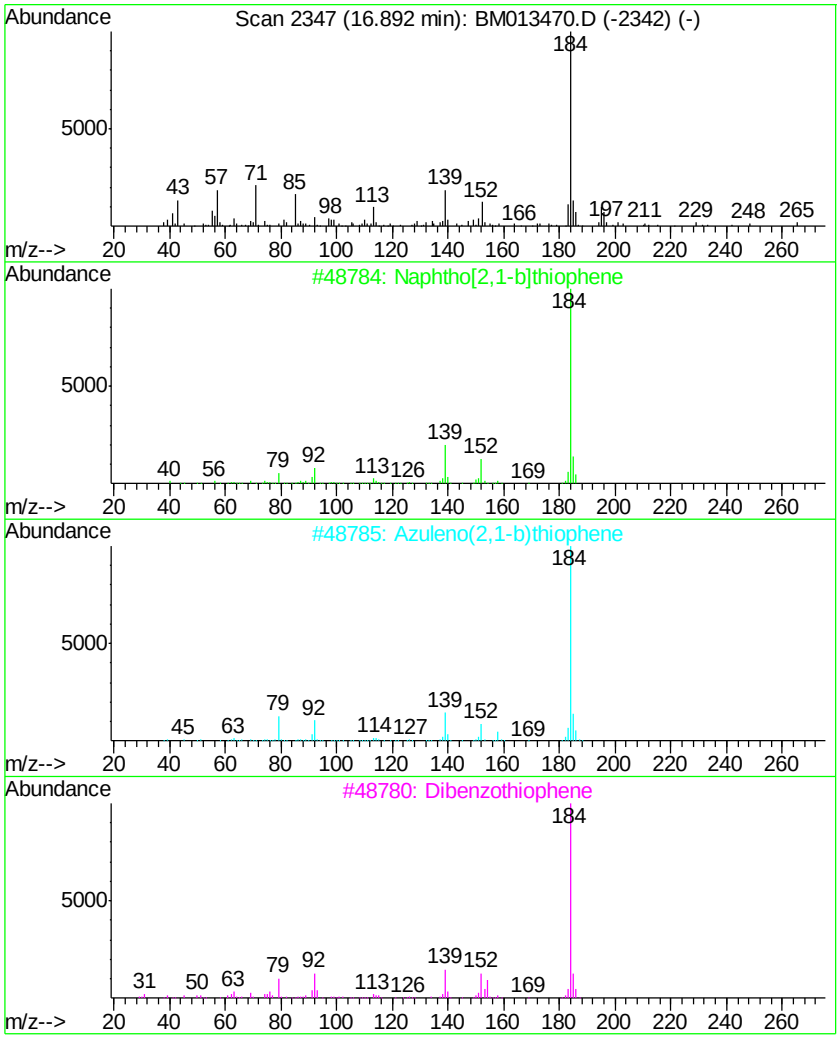
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

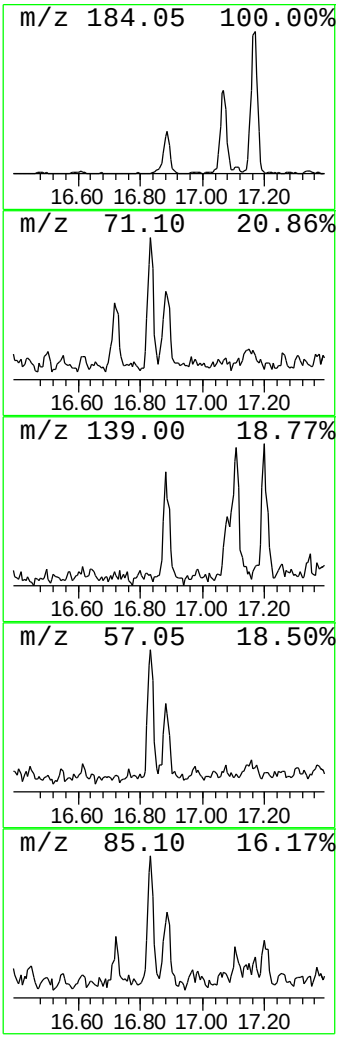
****

Peak Number 3 Naphtho[2,1-b]thiophene Concentration Rank 22

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.89	2.17 ng/ul	374434	Phenanthrene-d10	17.07

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphtho[2,1-b]thiophene	184	C12H8S	000233-02-3	87
2	Azuleno(2,1-b)thiophene	184	C12H8S	000248-13-5	83
3	Dibenzothiophene	184	C12H8S	000132-65-0	81
4	Dibenzothiophene	184	C12H8S	000132-65-0	81
5	Naphtho[1,2-b]thiophene	184	C12H8S	000234-41-3	76





Data Path : Z:\HPCHEM1\BNA_M\DATA\BM121517\
Data File : BM013470.D
Acq On : 16 Dec 2017 09:59
Operator : SJ/JU
Sample : I6776-05
Misc :
ALS Vial : 27 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F9A57

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM113017.M
Quant Title : SVOA CALIBRATION

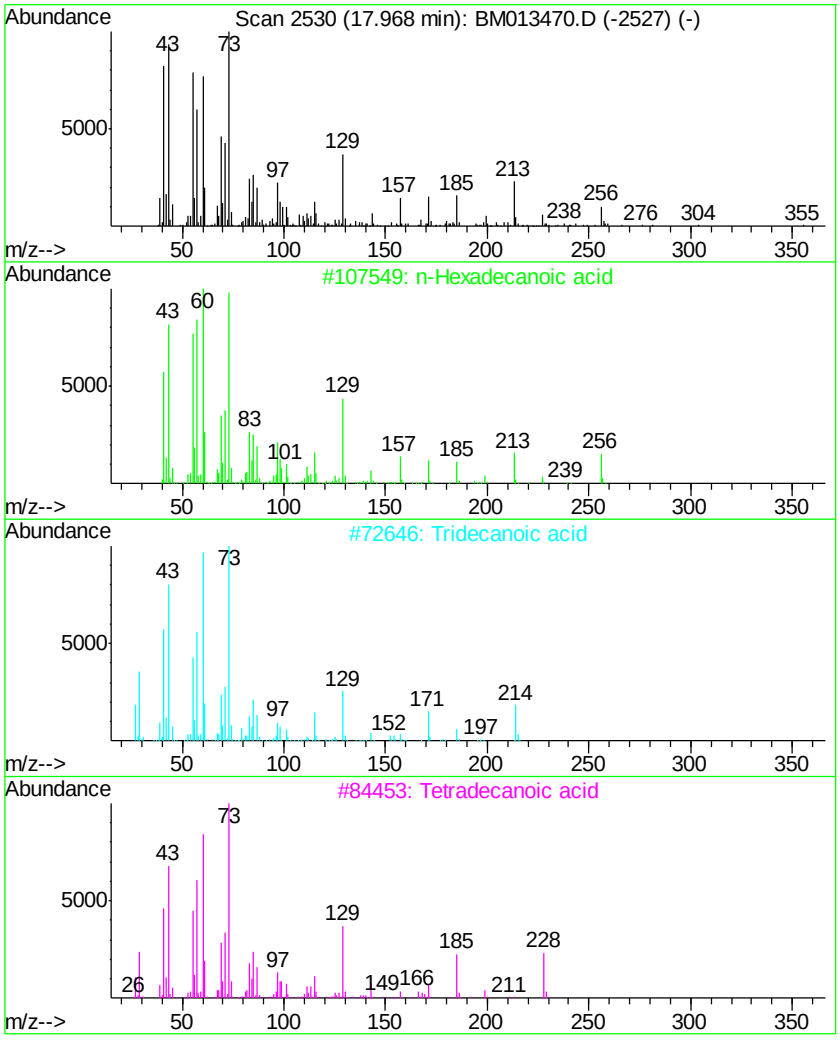
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

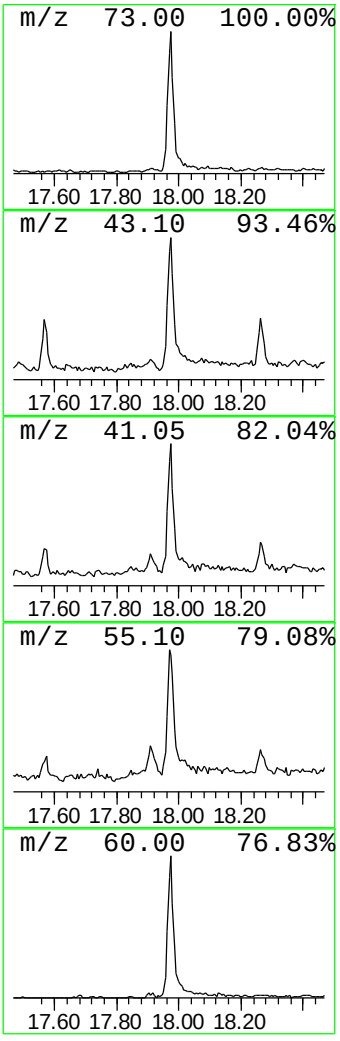
****

Peak Number 4 n-Hexadecanoic acid Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.97	8.28 ng/ul	1427060	Phenanthrene-d10	17.07

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	n-Hexadecanoic acid	256	C16H32O2	000057-10-3	99
2	Tridecanoic acid	214	C13H26O2	000638-53-9	91
3	Tetradecanoic acid	228	C14H28O2	000544-63-8	90
4	Pentadecanoic acid	242	C15H30O2	001002-84-2	87
5	Octadecanoic acid	284	C18H36O2	000057-11-4	81





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM121517\
Data File : BM013470.D
Acq On : 16 Dec 2017 09:59
Operator : SJ/JU
Sample : I6776-05
Misc :
ALS Vial : 27 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F9A57

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM113017.M
Quant Title : SVOA CALIBRATION

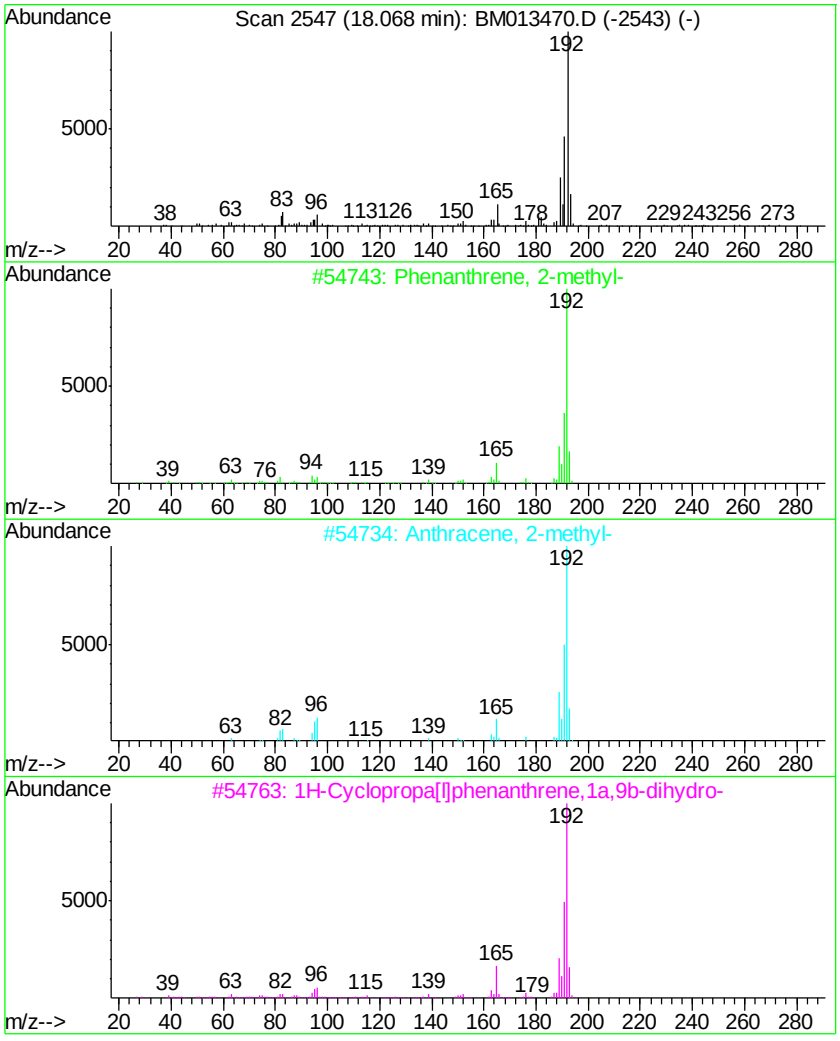
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

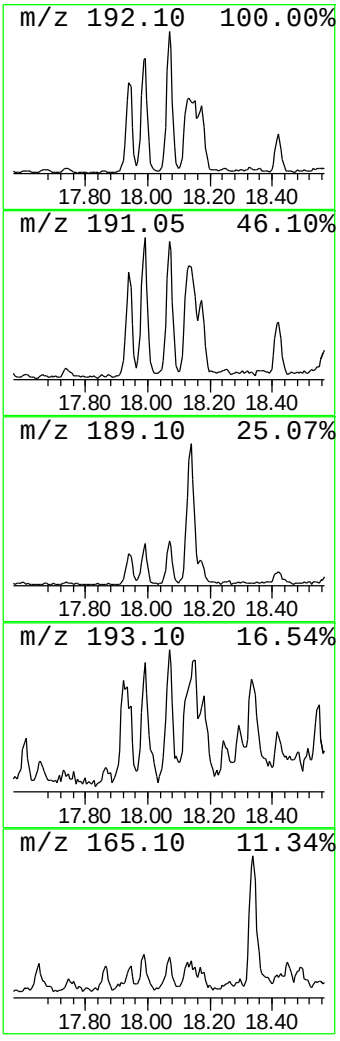
****

Peak Number 5 Phenanthrene, 2-methyl- Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.07	2.42 ng/ul	418035	Phenanthrene-d10	17.07

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	96
2	Anthracene, 2-methyl-	192	C15H12	000613-12-7	94
3	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	93
4	Anthracene, 9-methyl-	192	C15H12	000779-02-2	93
5	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	92





Data Path : Z:\HPCHEM1\BNA_M\DATA\BM121517\
Data File : BM013470.D
Acq On : 16 Dec 2017 09:59
Operator : SJ/JU
Sample : I6776-05
Misc :
ALS Vial : 27 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F9A57

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM113017.M
Quant Title : SVOA CALIBRATION

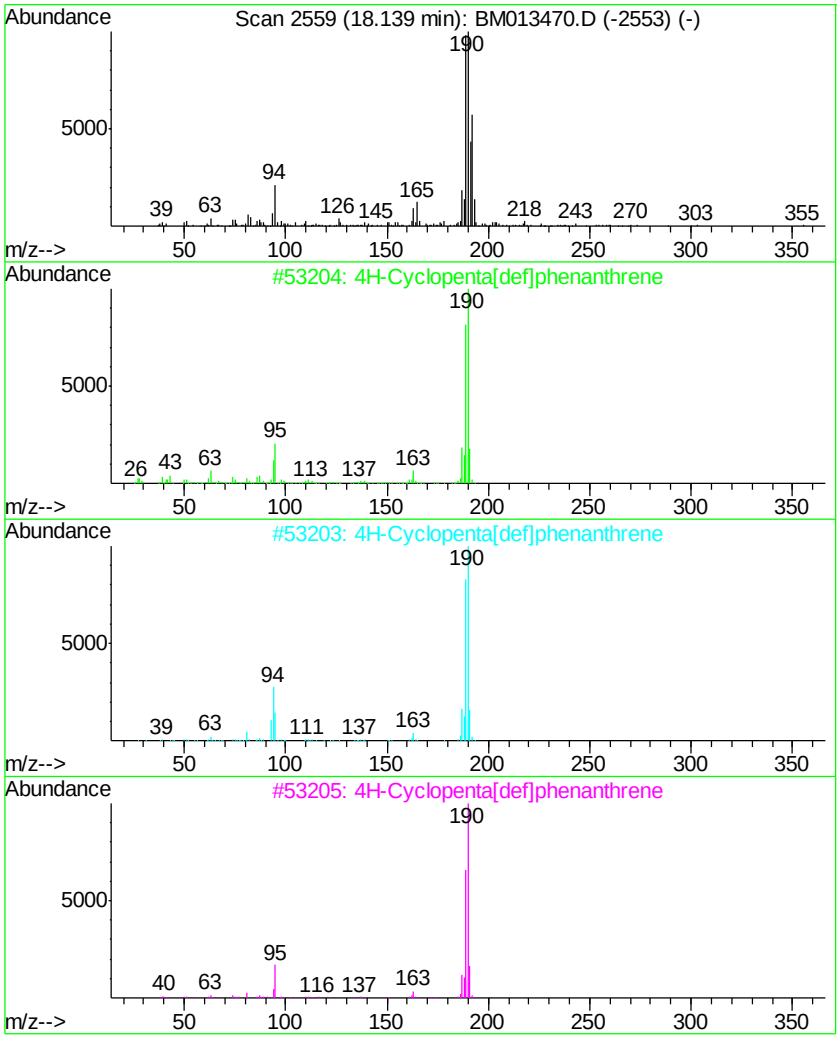
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

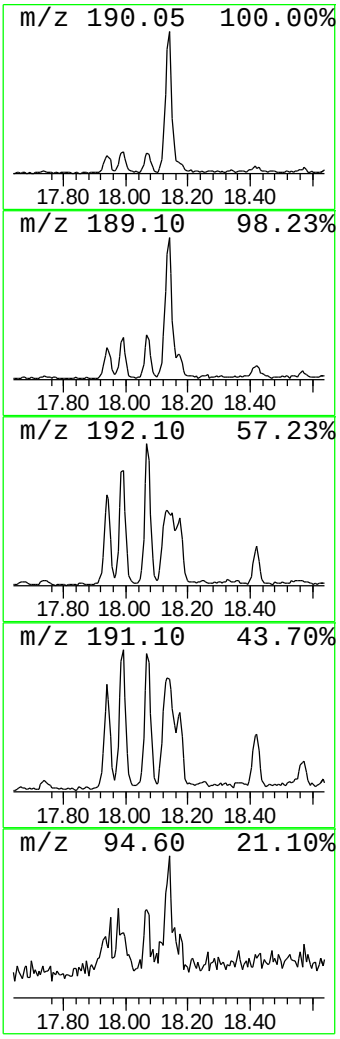
****

Peak Number 6 4H-Cyclopenta[def]phenanthrene Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.14	5.21 ng/ul	897846	Phenanthrene-d10	17.07

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	58
2	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	58
3	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	50
4	Benzaldehyde, 3,5-dichloro-2-hyd...	190	C7H4Cl2O2	000090-60-8	50
5	2,6-Dichlorobenzaldoxime	189	C7H5Cl2NO	025185-95-9	42





Data Path : Z:\HPCHEM1\BNA_M\DATA\BM121517\
Data File : BM013470.D
Acq On : 16 Dec 2017 09:59
Operator : SJ/JU
Sample : I6776-05
Misc :
ALS Vial : 27 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F9A57

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM113017.M
Quant Title : SVOA CALIBRATION

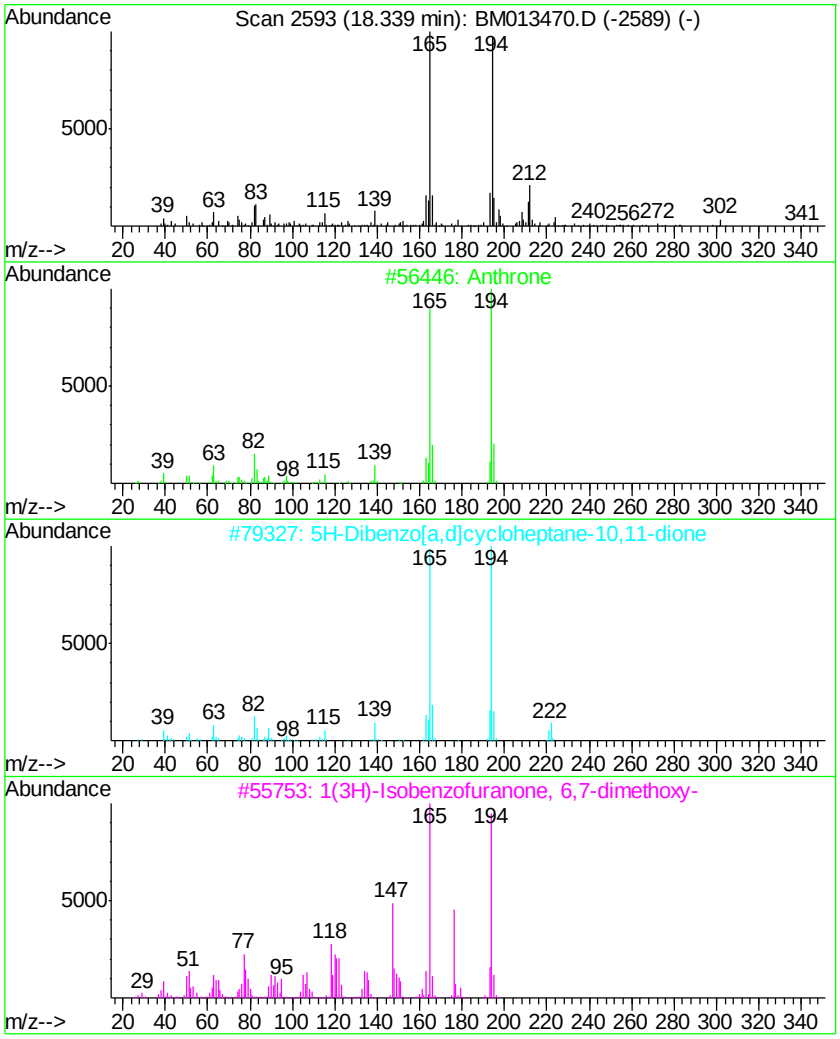
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

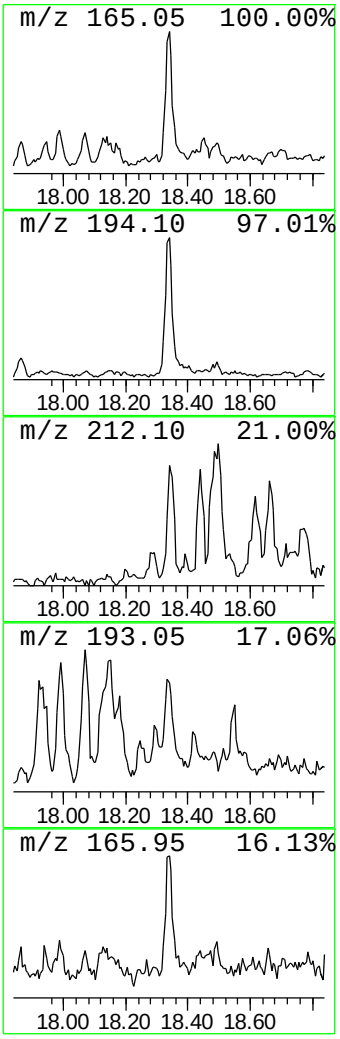
****

Peak Number 7 Anthrone Concentration Rank 21

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.34	2.30 ng/ul	396346	Phenanthrene-d10	17.07

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthrone	194	C14H10O	000090-44-8	90
2	5H-Dibenzo[a,d]cycloheptane-10,1...	222	C15H10O2	052559-75-8	74
3	1(3H)-Isobenzofuranone, 6,7-dime...	194	C10H10O4	000569-31-3	72
4	Anthrone	194	C14H10O	000090-44-8	68
5	2-Fluorenecarboxaldehyde	194	C14H10O	030084-90-3	68





Data Path : Z:\HPCHEM1\BNA_M\DATA\BM121517\
Data File : BM013470.D
Acq On : 16 Dec 2017 09:59
Operator : SJ/JU
Sample : I6776-05
Misc :
ALS Vial : 27 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F9A57

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM113017.M
Quant Title : SVOA CALIBRATION

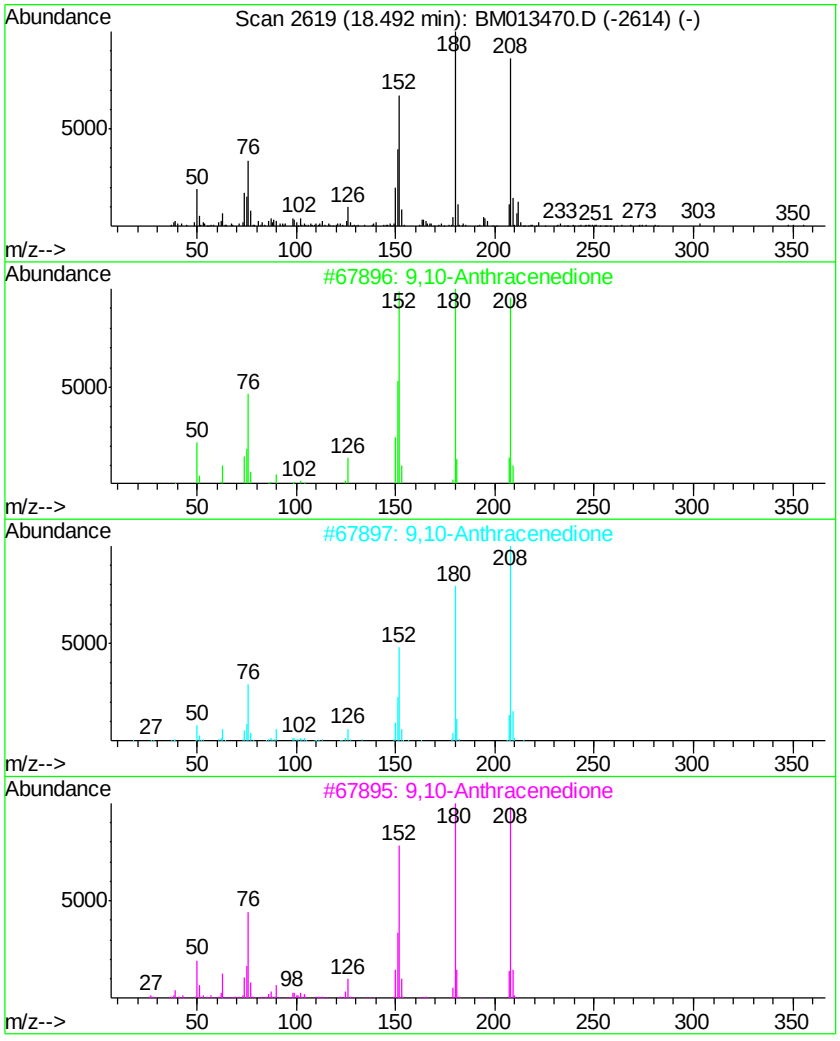
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

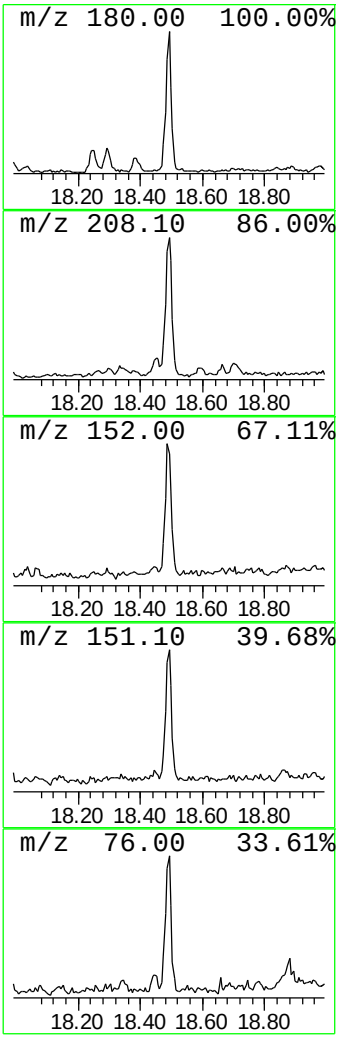
****

Peak Number 8 9,10-Anthracenedione Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.49	4.03 ng/ul	695363	Phenanthrene-d10	17.07

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9,10-Anthracenedione	208	C14H8O2	000084-65-1	95
2	9,10-Anthracenedione	208	C14H8O2	000084-65-1	93
3	9,10-Anthracenedione	208	C14H8O2	000084-65-1	70
4	1H-Phenalen-1-one	180	C13H8O	000548-39-0	50
5	Benzo[c]cinnoline	180	C12H8N2	000230-17-1	46





Data Path : Z:\HPCHEM1\BNA_M\DATA\BM121517\
Data File : BM013470.D
Acq On : 16 Dec 2017 09:59
Operator : SJ/JU
Sample : I6776-05
Misc :
ALS Vial : 27 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F9A57

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM113017.M
Quant Title : SVOA CALIBRATION

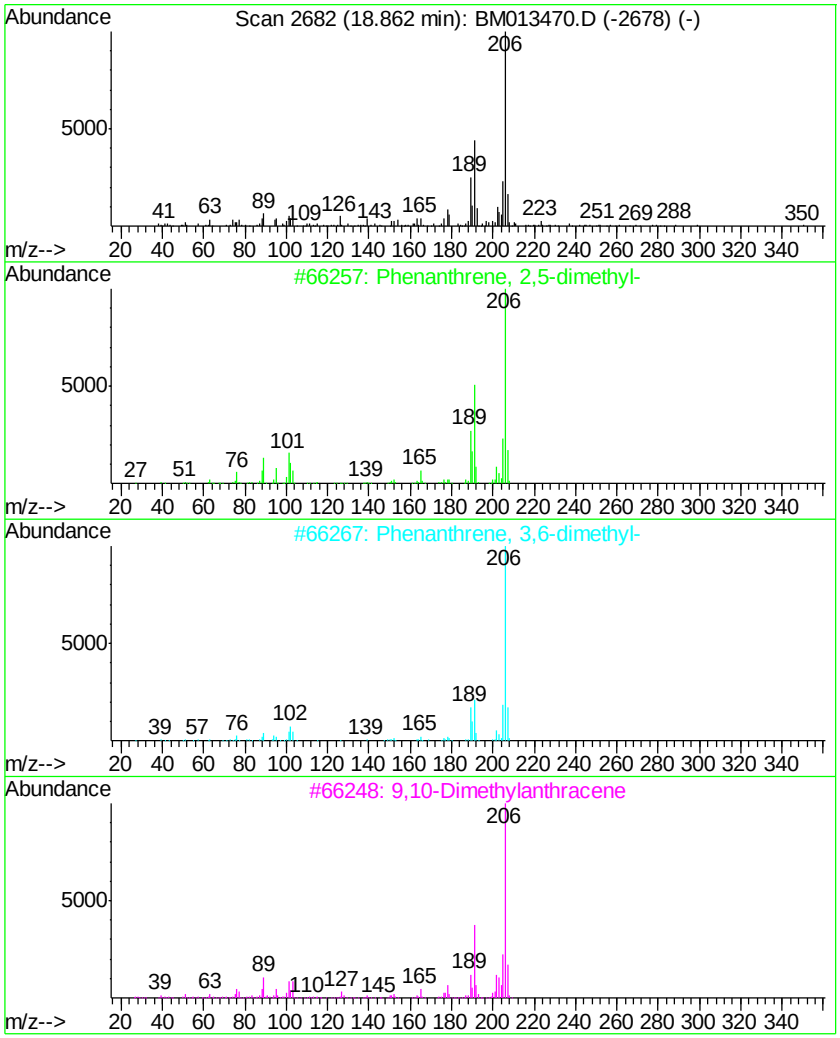
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

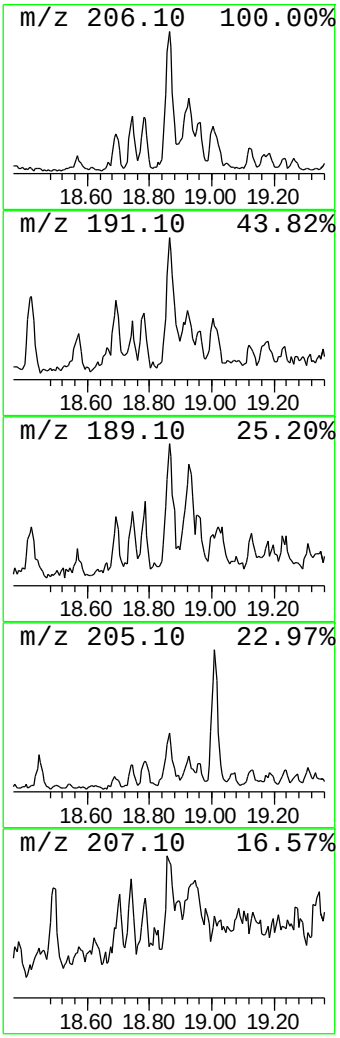
****

Peak Number 9 Phenanthrene, 2,5-dimethyl- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.86	5.13 ng/ul	884888	Phenanthrene-d10	17.07

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	95
2	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	93
3	9,10-Dimethylanthracene	206	C16H14	000781-43-1	91
4	Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	90
5	9,10-Dimethylanthracene	206	C16H14	000781-43-1	90





Data Path : Z:\HPCHEM1\BNA_M\DATA\BM121517\
Data File : BM013470.D
Acq On : 16 Dec 2017 09:59
Operator : SJ/JU
Sample : I6776-05
Misc :
ALS Vial : 27 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F9A57

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM113017.M
Quant Title : SVOA CALIBRATION

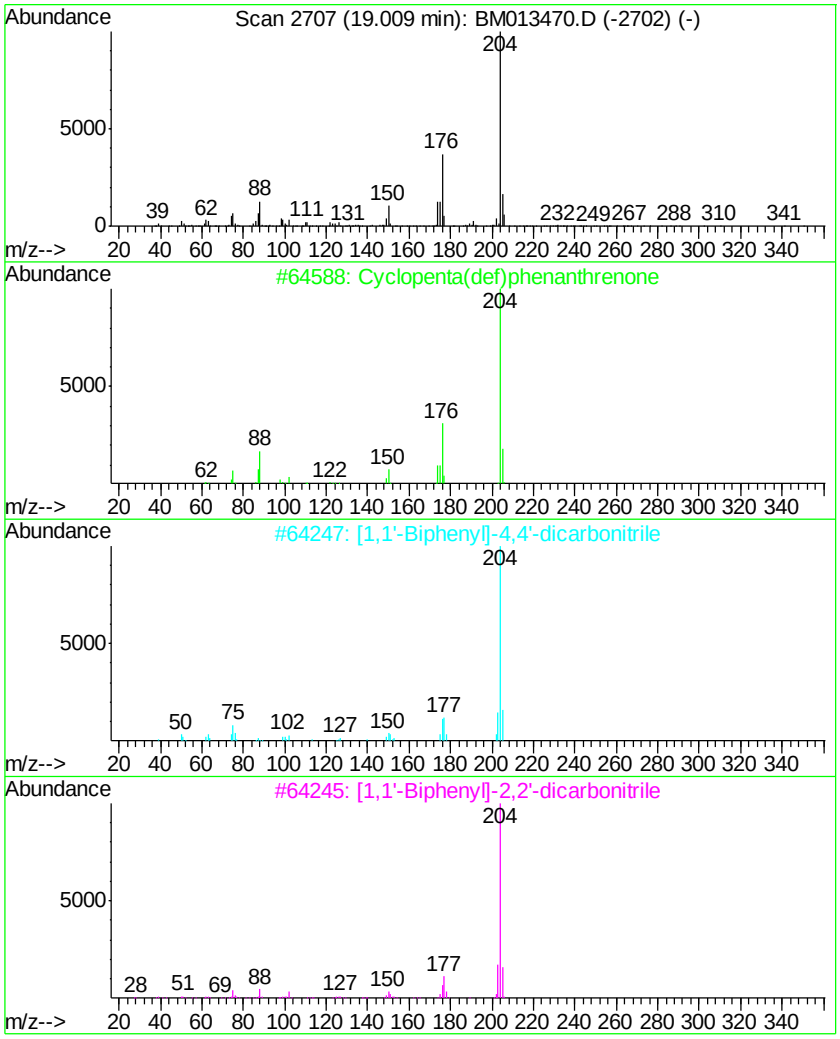
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

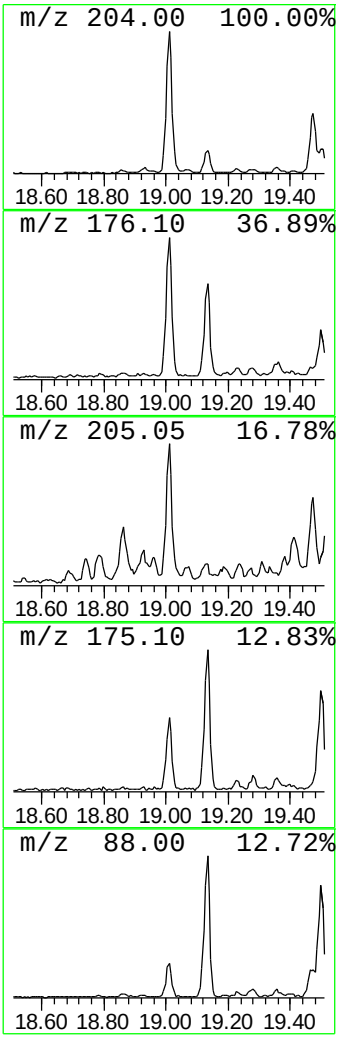
****

Peak Number 10 Cyclopenta(def)phenanthrenone Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.01	7.04 ng/ul	1214530	Phenanthrene-d10	17.07

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopenta(def)phenanthrenone	204	C15H8O	005737-13-3	95
2	[1,1'-Biphenyl]-4,4'-dicarbonitrile	204	C14H8N2	001591-30-6	53
3	[1,1'-Biphenyl]-2,2'-dicarbonitrile	204	C14H8N2	004341-02-0	50
4	3,4-Biphenyldicarbonitrile	204	C14H8N2	004128-63-6	50
5	N-(4-Chloro-phenyl)-2-(3,4-dihyd...	330	C17H15ClN2OS	1000296-34-3	45





Data Path : Z:\HPCHEM1\BNA_M\DATA\BM121517\
Data File : BM013470.D
Acq On : 16 Dec 2017 09:59
Operator : SJ/JU
Sample : I6776-05
Misc :
ALS Vial : 27 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F9A57

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM113017.M
Quant Title : SVOA CALIBRATION

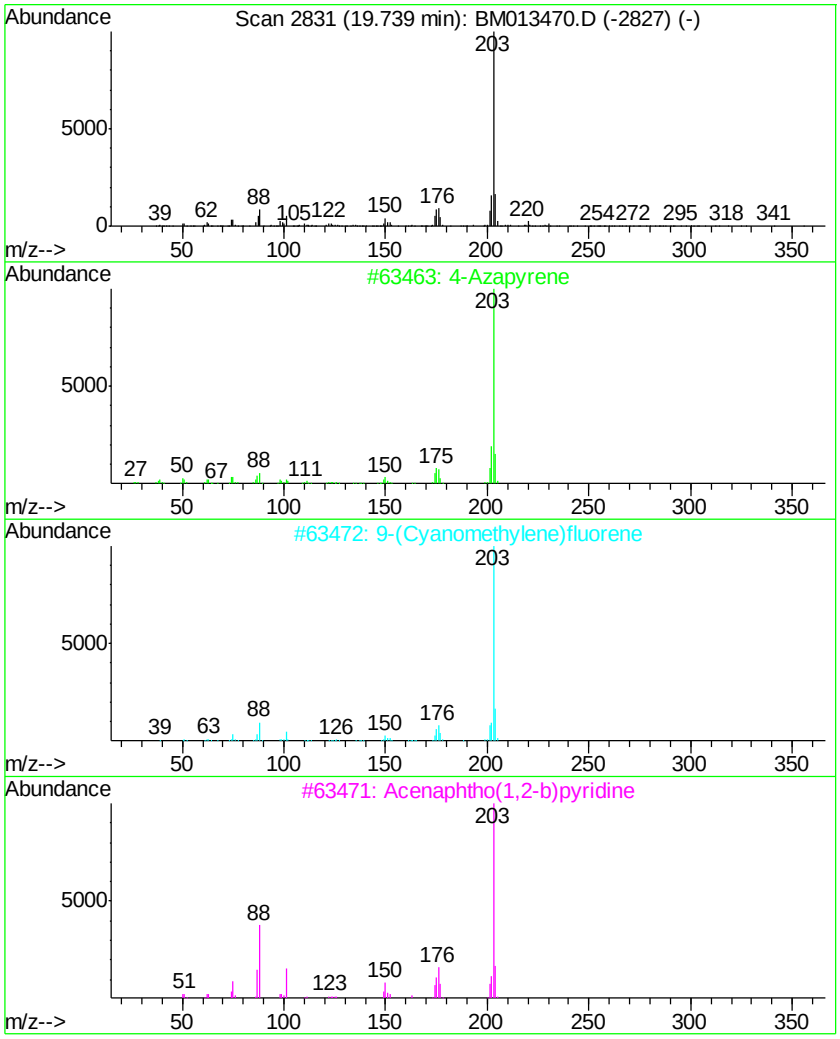
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

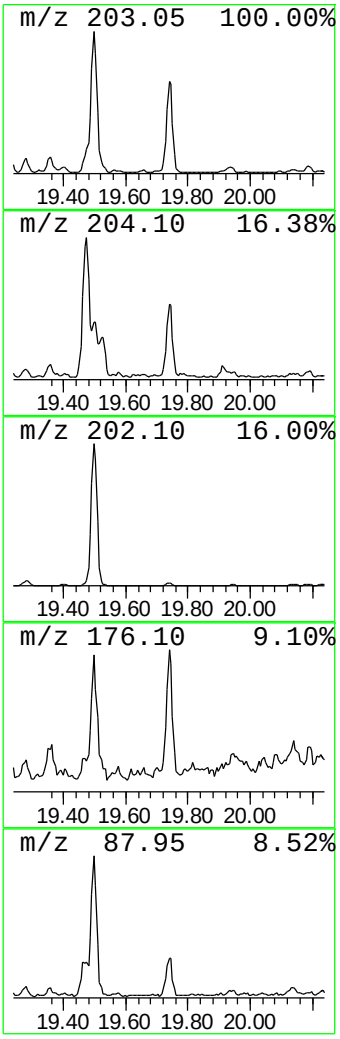
****

Peak Number 11 4-Azapyrene Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.74	2.59 ng/ul	1466510	Chrysene-d12	21.26

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4-Azapyrene	203	C15H9N	000194-03-6	97
2	9-(Cyanomethylene)fluorene	203	C15H9N	004425-74-5	97
3	Acenaphtho(1,2-b)pyridine	203	C15H9N	000206-49-5	96
4	Indeno(1,2,3-ij)isoquinoline	203	C15H9N	000206-56-4	95
5	Indeno(1,2,3-ij)isoquinoline	203	C15H9N	000206-56-4	94





Data Path : Z:\HPCHEM1\BNA_M\DATA\BM121517\
Data File : BM013470.D
Acq On : 16 Dec 2017 09:59
Operator : SJ/JU
Sample : I6776-05
Misc :
ALS Vial : 27 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F9A57

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM113017.M
Quant Title : SVOA CALIBRATION

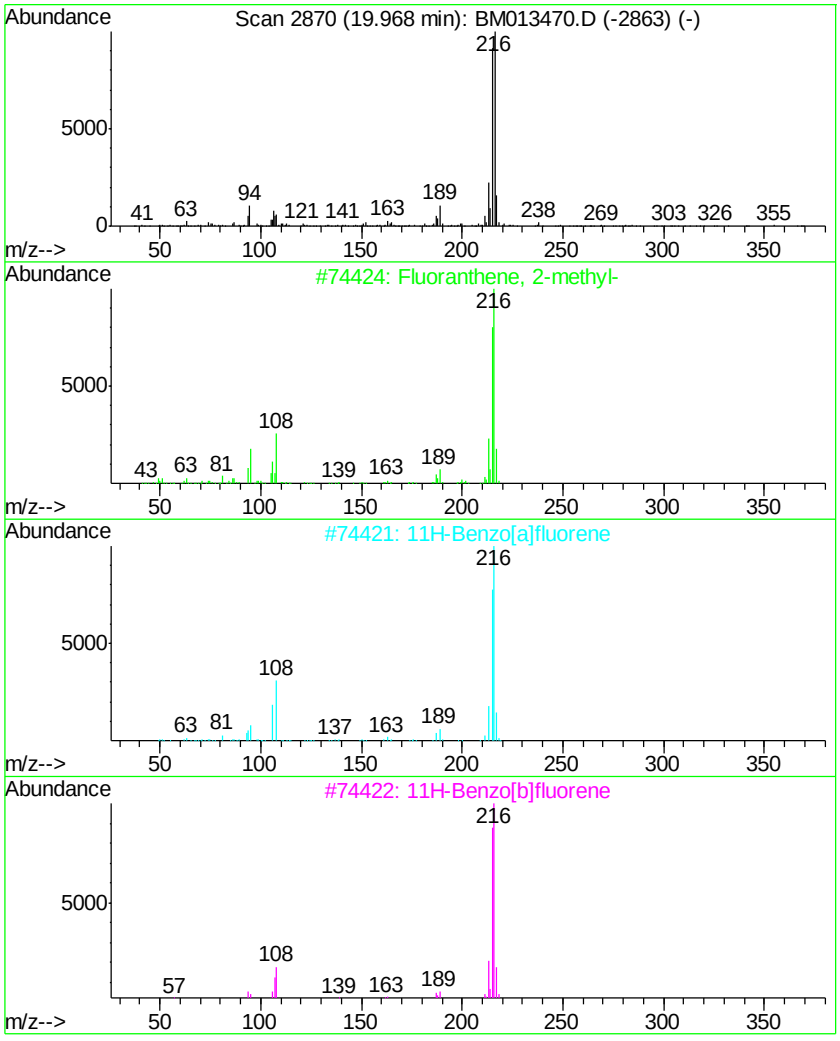
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

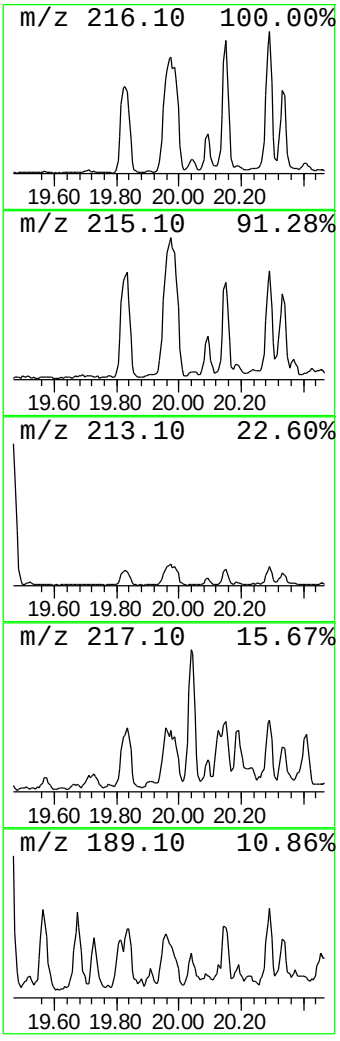
****

Peak Number 12 Fluoranthene, 2-methyl- Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.97	3.75 ng/ul	2123860	Chrysene-d12	21.26

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	94
2	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	90
3	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	87
4	Pyrene, 1-methyl-	216	C17H12	002381-21-7	87
5	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	87





Data Path : Z:\HPCHEM1\BNA_M\DATA\BM121517\
Data File : BM013470.D
Acq On : 16 Dec 2017 09:59
Operator : SJ/JU
Sample : I6776-05
Misc :
ALS Vial : 27 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F9A57

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM113017.M
Quant Title : SVOA CALIBRATION

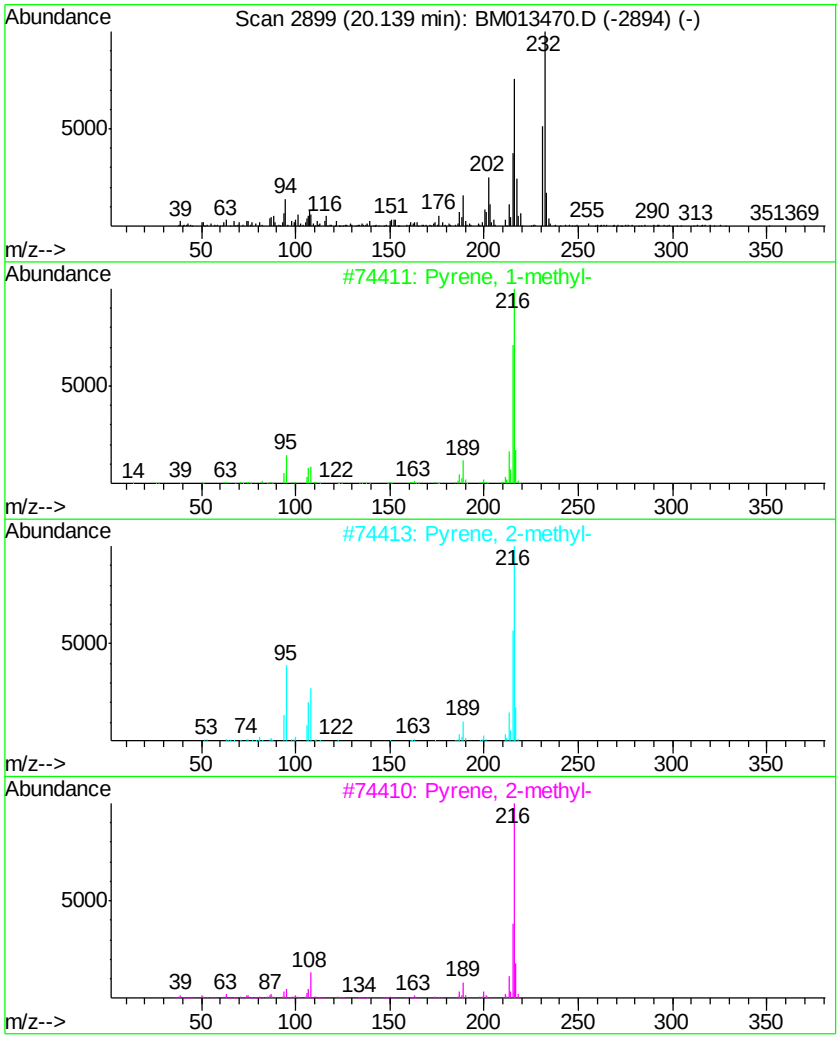
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

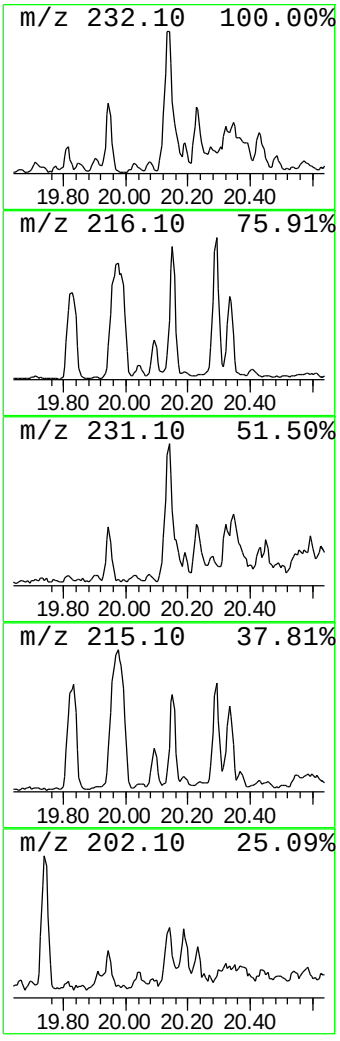
****

Peak Number 13 Pyrene, 1-methyl- Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.14	2.64 ng/ul	1496820	Chrysene-d12	21.26

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene, 1-methyl-	216	C17H12	002381-21-7	93
2	Pyrene, 2-methyl-	216	C17H12	003442-78-2	83
3	Pyrene, 2-methyl-	216	C17H12	003442-78-2	64
4	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	64
5	Pyrene, 4-methyl-	216	C17H12	003353-12-6	60





Data Path : Z:\HPCHEM1\BNA_M\DATA\BM121517\
Data File : BM013470.D
Acq On : 16 Dec 2017 09:59
Operator : SJ/JU
Sample : I6776-05
Misc :
ALS Vial : 27 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F9A57

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM113017.M
Quant Title : SVOA CALIBRATION

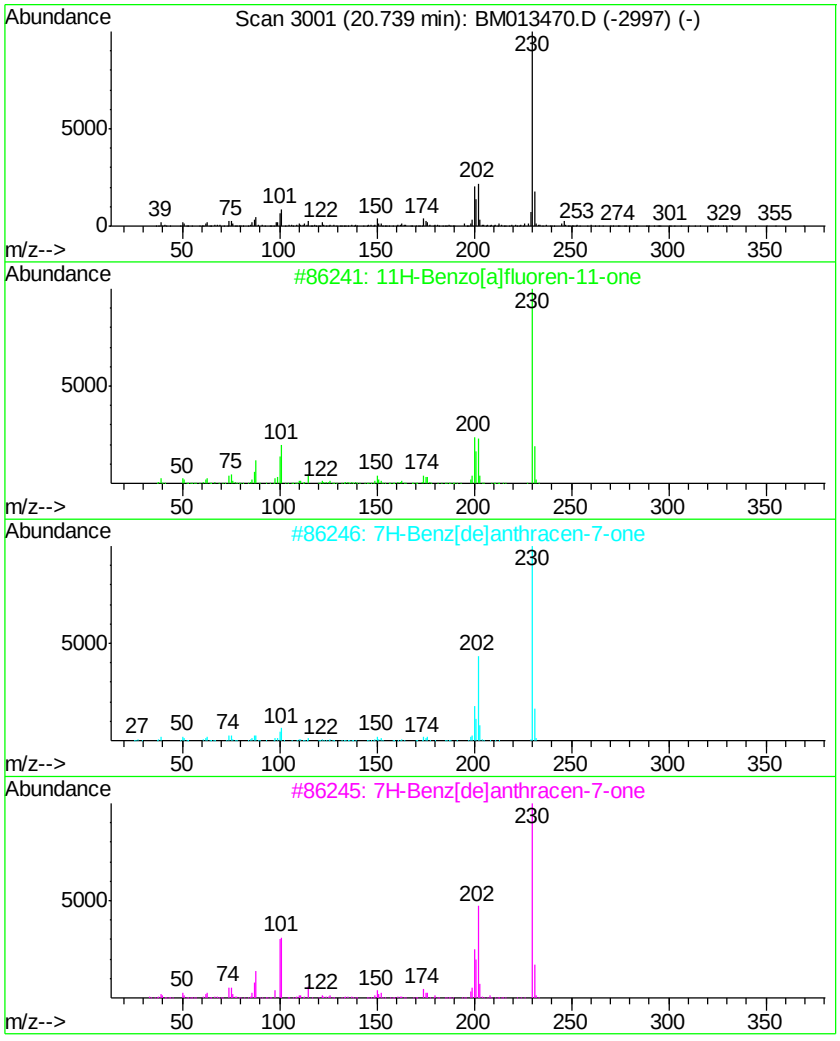
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

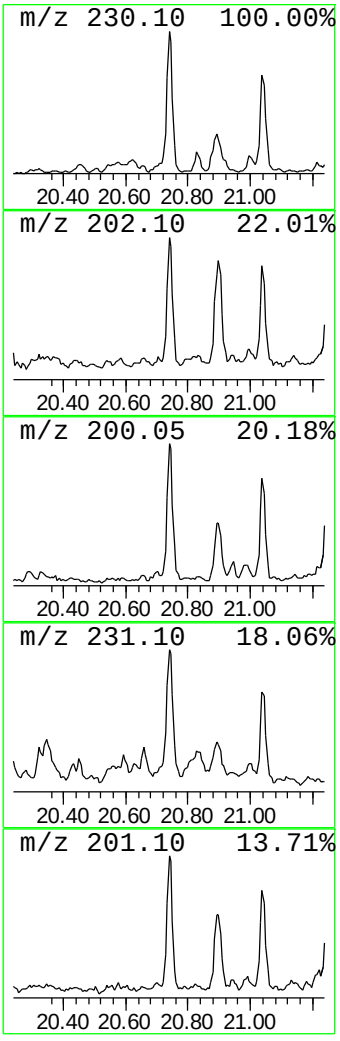
****

Peak Number 14 11H-Benzo[a]fluoren-11-one Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.74	2.80 ng/ul	1587110	Chrysene-d12	21.26

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[a]fluoren-11-one	230	C17H10O	000479-79-8	95
2	7H-Benz[de]anthracen-7-one	230	C17H10O	000082-05-3	89
3	7H-Benz[de]anthracen-7-one	230	C17H10O	000082-05-3	87
4	7H-Benz[de]anthracen-7-one	230	C17H10O	000082-05-3	72
5	4-Pyrenecarbaldehyde	230	C17H10O	022245-51-8	64





Data Path : Z:\HPCHEM1\BNA_M\DATA\BM121517\
Data File : BM013470.D
Acq On : 16 Dec 2017 09:59
Operator : SJ/JU
Sample : I6776-05
Misc :
ALS Vial : 27 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F9A57

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM113017.M
Quant Title : SVOA CALIBRATION

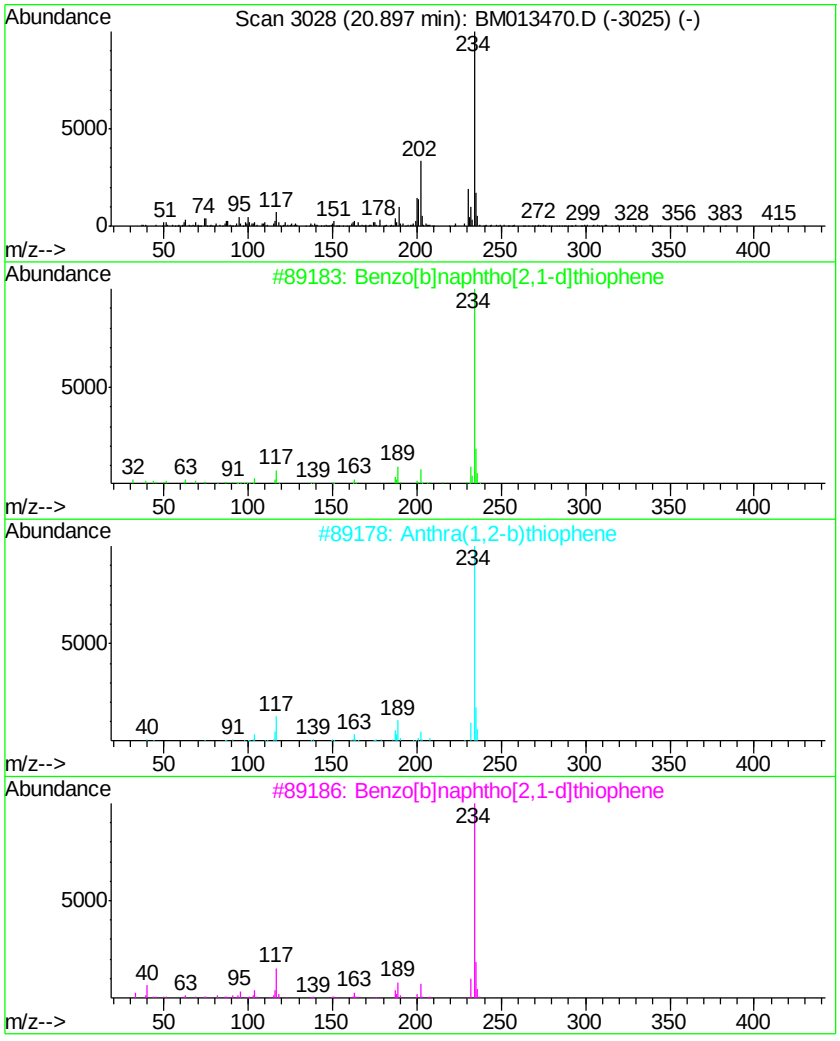
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

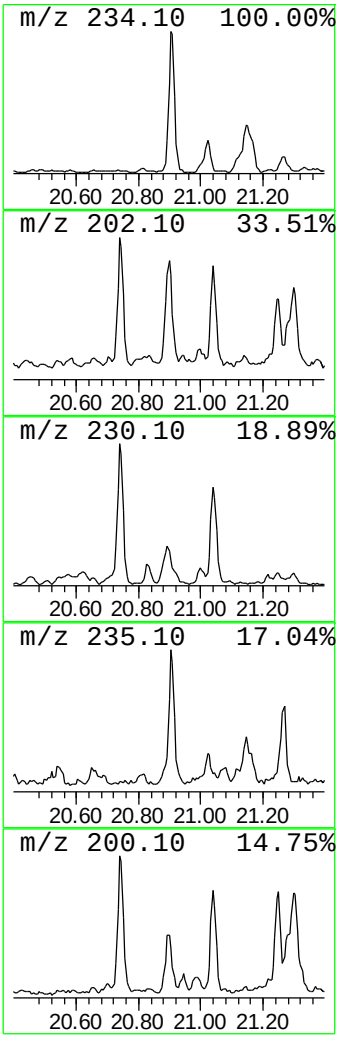
****

Peak Number 15 Benzo[b]naphtho[2,1-d]thiop... Concentration Rank 23

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.90	2.02 ng/ul	1144040	Chrysene-d12	21.26

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[b]naphtho[2,1-d]thiophene	234	C16H10S	000239-35-0	94
2	Anthra(1,2-b)thiophene	234	C16H10S	000227-86-1	93
3	Benzo[b]naphtho[2,1-d]thiophene	234	C16H10S	000239-35-0	91
4	1,9,12-Trioxa-4,6-diazacyclotetr...	234	C9H18N2O3S	075491-64-4	91
5	Benzo[b]naphtho[2,3-d]thiophene	234	C16H10S	000243-46-9	90





Data Path : Z:\HPCHEM1\BNA_M\DATA\BM121517\
Data File : BM013470.D
Acq On : 16 Dec 2017 09:59
Operator : SJ/JU
Sample : I6776-05
Misc :
ALS Vial : 27 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F9A57

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM113017.M
Quant Title : SVOA CALIBRATION

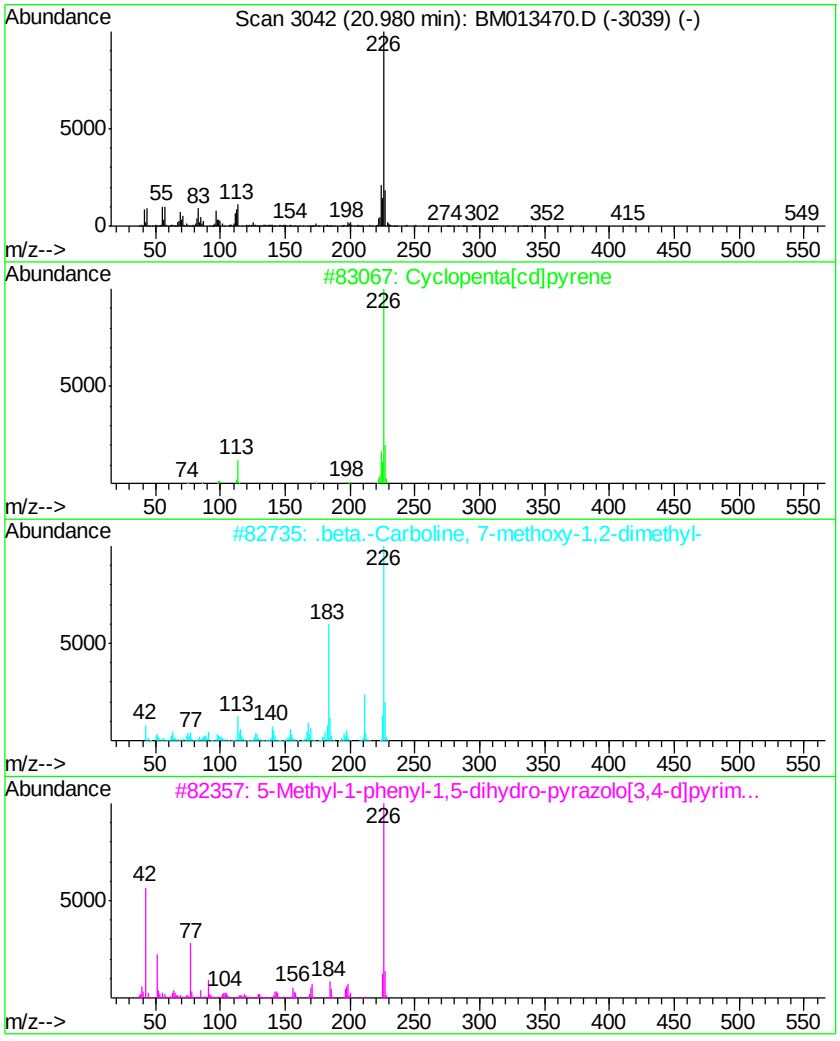
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

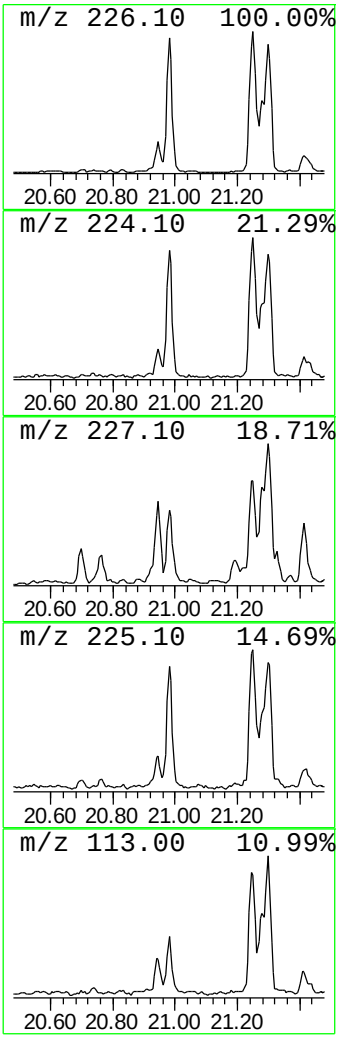
****

Peak Number 16 Cyclopenta[cd]pyrene Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.98	3.55 ng/ul	2011890	Chrysene-d12	21.26

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopenta[cd]pyrene	226	C18H10	027208-37-3	81
2	.beta.-Carboline, 7-methoxy-1,2-...	226	C14H14N2O	006519-18-2	58
3	5-Methyl-1-phenyl-1,5-dihydro-py...	226	C12H10N4O	1000300-02-1	50
4	Ethylamine, N,N-diheptyl-2-pheny...	349	C22H39NS	1000310-32-6	47
5	Benzo[ghi]fluoranthene	226	C18H10	000203-12-3	43





Data Path : Z:\HPCHEM1\BNA_M\DATA\BM121517\
Data File : BM013470.D
Acq On : 16 Dec 2017 09:59
Operator : SJ/JU
Sample : I6776-05
Misc :
ALS Vial : 27 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F9A57

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM113017.M
Quant Title : SVOA CALIBRATION

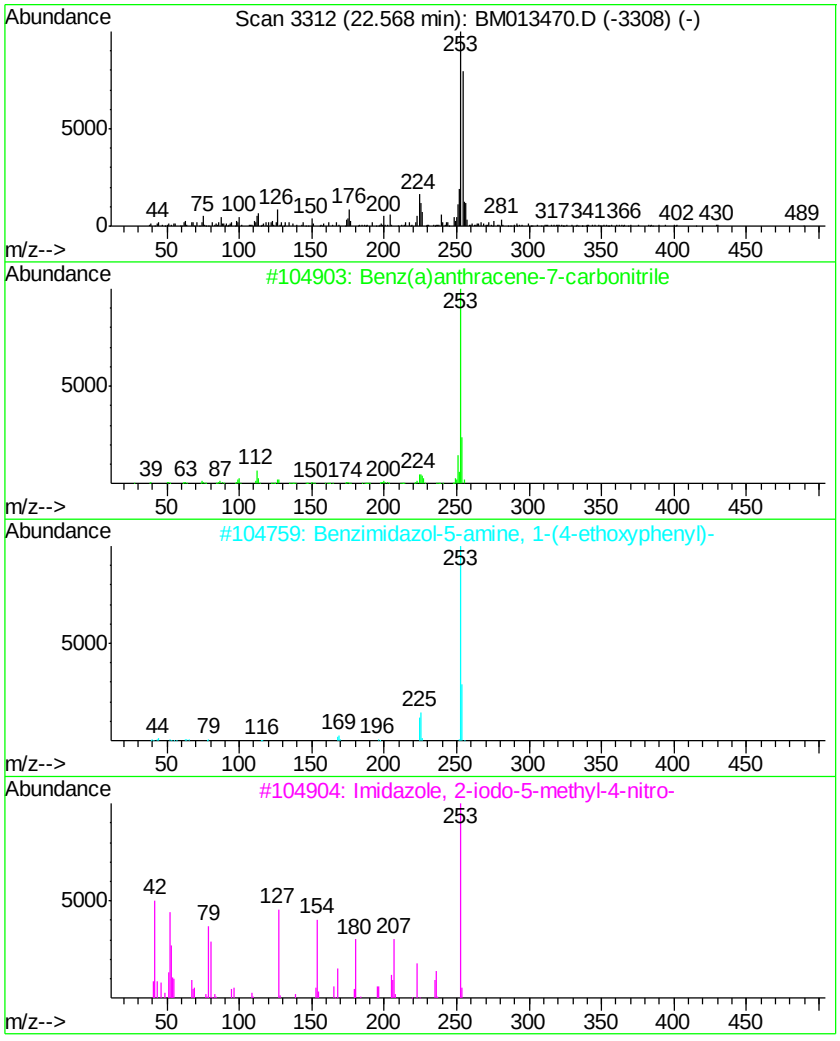
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

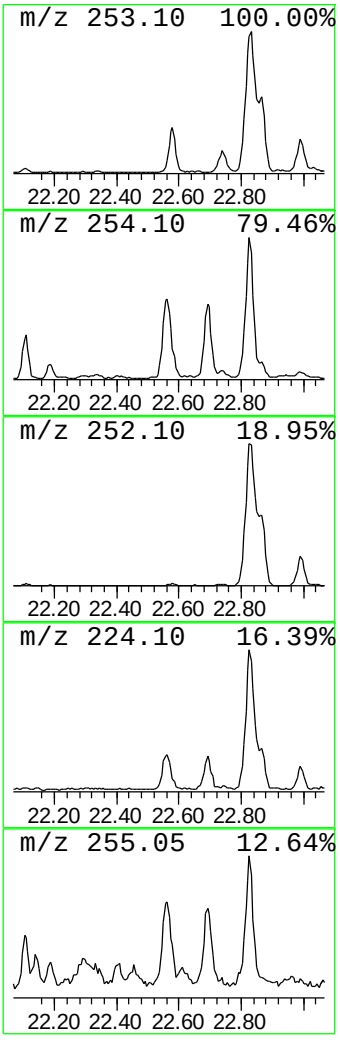
****

Peak Number 17 Benz(a)anthracene-7-carboni... Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
22.57	10.77 ng/ul	1439640	Perylene-d12	23.49

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benz(a)anthracene-7-carbonitrile	253	C19H11N	007476-08-6	50
2	Benzimidazol-5-amine, 1-(4-ethox...	253	C15H15N3O	007104-62-3	47
3	Imidazole, 2-iodo-5-methyl-4-nitro-	253	C4H4IN3O2	149510-86-1	43
4	7,12-Dihydrobenzo[k]fluoranthene	254	C20H14	1000080-17-7	32
5	Phenol, 2-(1,1-dimethylethyl)-4-...	268	C19H24O	056187-92-9	28





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM121517\
Data File : BM013470.D
Acq On : 16 Dec 2017 09:59
Operator : SJ/JU
Sample : I6776-05
Misc :
ALS Vial : 27 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F9A57

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM113017.M
Quant Title : SVOA CALIBRATION

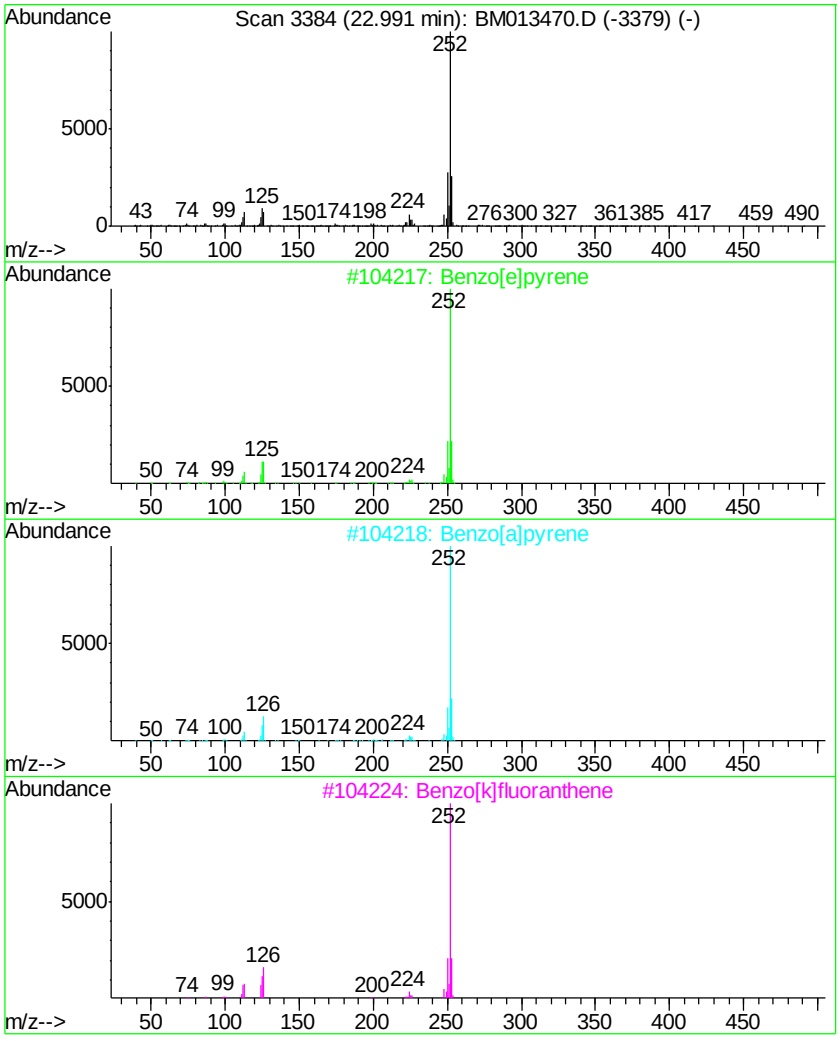
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

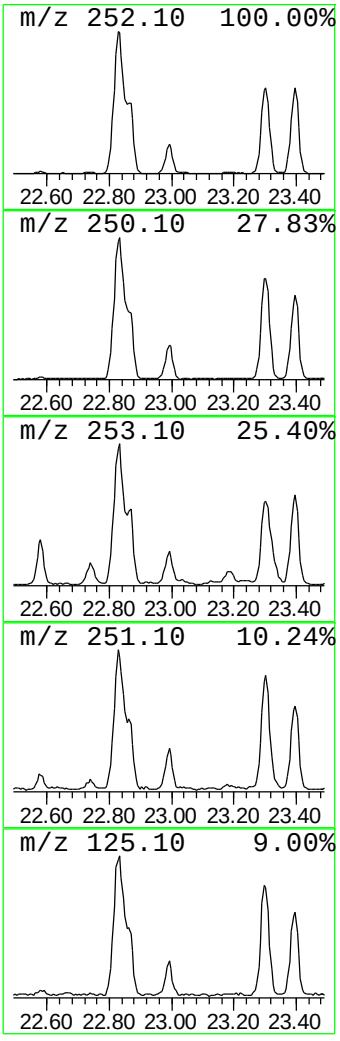
****

Peak Number 18 Benzo[e]pyrene Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
22.99	12.74 ng/ul	1703930	Perylene-d12	23.49

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[e]pyrene	252	C20H12	000192-97-2	94
2	Benzo[a]pyrene	252	C20H12	000050-32-8	90
3	Benzo[k]fluoranthene	252	C20H12	000207-08-9	90
4	Benz[e]acephenanthrylene	252	C20H12	000205-99-2	89
5	Perylene	252	C20H12	000198-55-0	89





Data Path : Z:\HPCHEM1\BNA_M\DATA\BM121517\
Data File : BM013470.D
Acq On : 16 Dec 2017 09:59
Operator : SJ/JU
Sample : I6776-05
Misc :
ALS Vial : 27 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F9A57

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM113017.M
Quant Title : SVOA CALIBRATION

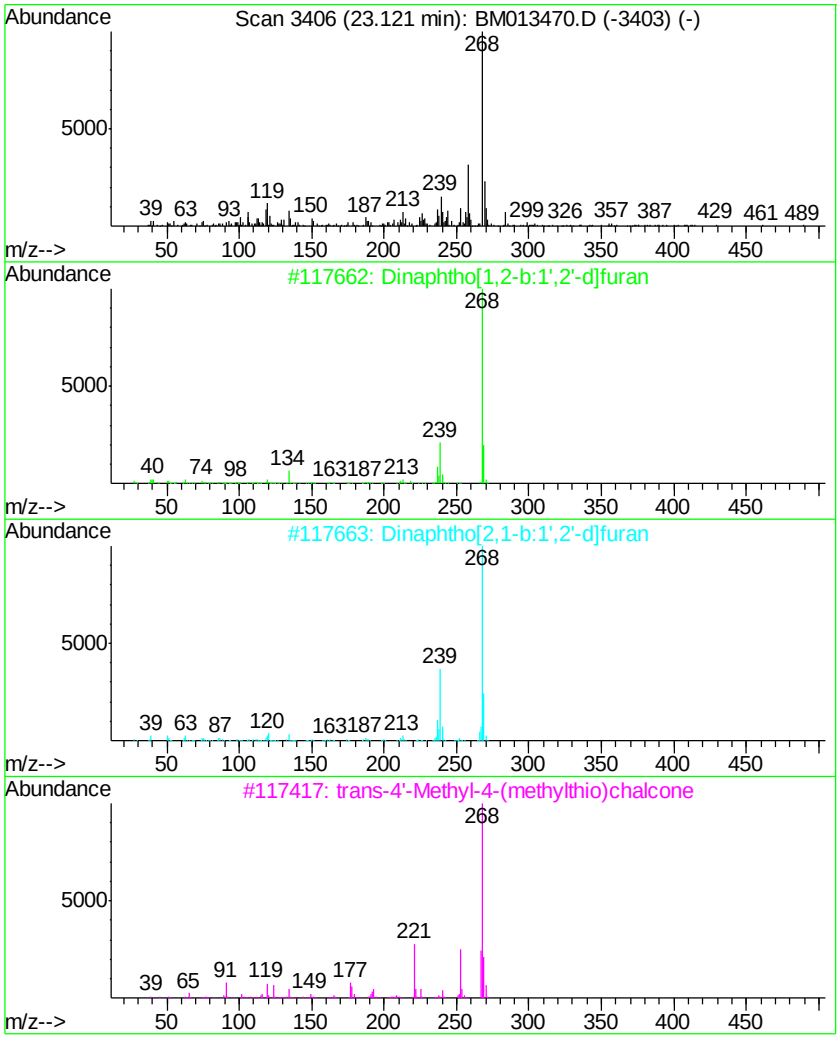
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

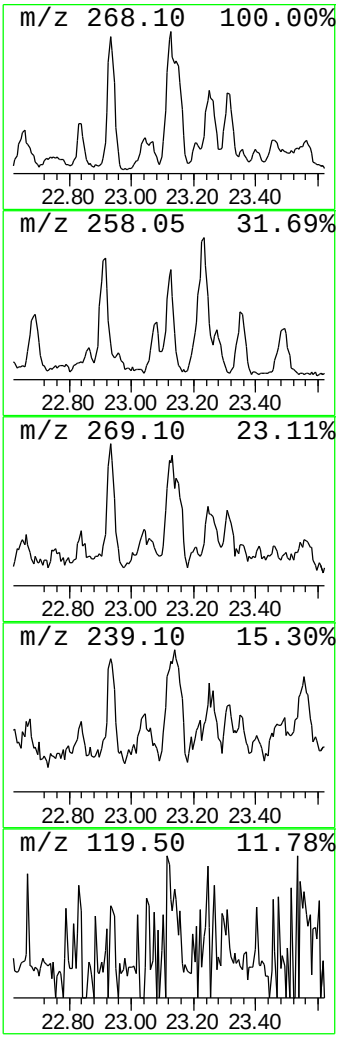
****

Peak Number 19 Dinaphtho[1,2-b:1',2'-d]furan Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
23.12	5.85 ng/ul	782267	Perylene-d12	23.49

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dinaphtho[1,2-b:1',2'-d]furan	268	C20H12O	000207-93-2	64
2	Dinaphtho[2,1-b:1',2'-d]furan	268	C20H12O	000194-63-8	64
3	trans-4'-Methyl-4-(methylthio)ch...	268	C17H16OS	126443-27-4	58
4	9,10-Anthracenedione, 1,4,5,8-te...	268	C14H12N4O2	002475-45-8	53
5	9,10-Anthracenedione, 1,4,5,8-te...	268	C14H12N4O2	002475-45-8	53





Data Path : Z:\HPCHEM1\BNA_M\DATA\BM121517\
Data File : BM013470.D
Acq On : 16 Dec 2017 09:59
Operator : SJ/JU
Sample : I6776-05
Misc :
ALS Vial : 27 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F9A57

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM113017.M
Quant Title : SVOA CALIBRATION

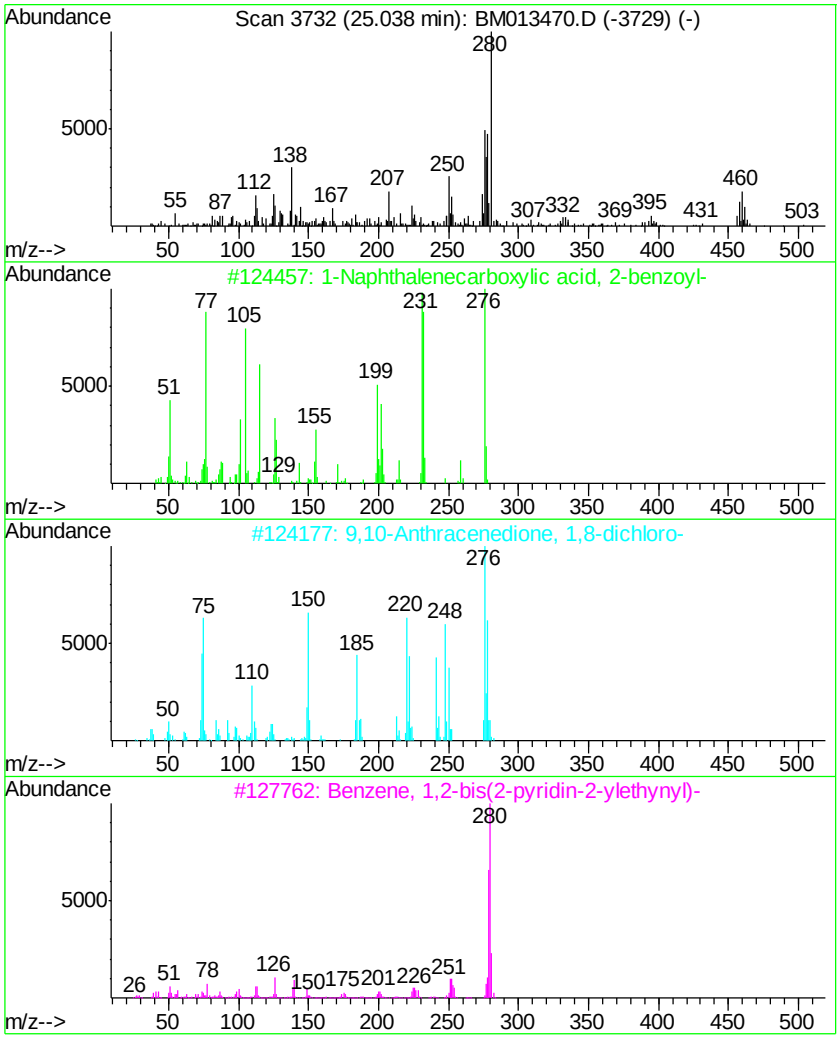
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

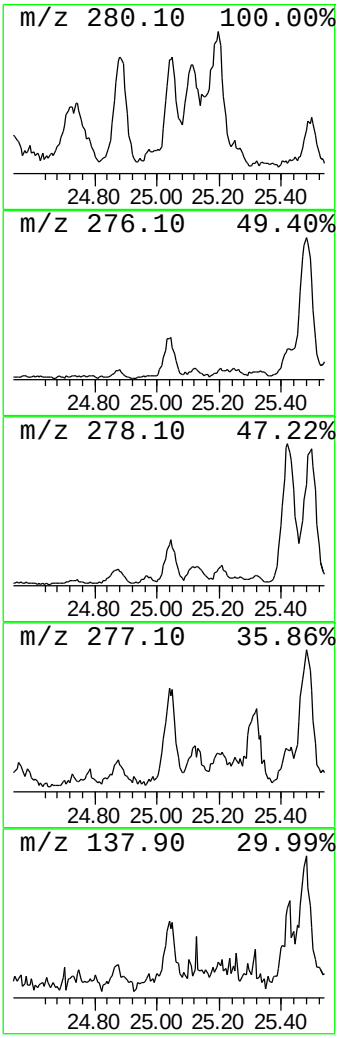
****

Peak Number 21 1-Naphthalenecarboxylic aci... Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
25.04	3.99 ng/ul	533217	Perylene-d12	23.49

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Naphthalenecarboxylic acid, 2-...	276	C18H12O3	038119-11-8	53
2	9,10-Anthracenedione, 1,8-dichloro-	276	C14H6Cl2O2	000082-43-9	22
3	Benzene, 1,2-bis(2-pyridin-2-yle...	280	C20H12N2	350587-04-1	22
4	Pteridin-4-ol, 6,7-bis(2-furyl)-	280	C14H8N4O3	313996-29-1	18
5	1-Butyl-1-hydridotetrachlorocycl...	333	C4H10Cl4N3P3	071982-87-1	16





Data Path : Z:\HPCHEM1\BNA_M\DATA\BM121517\
Data File : BM013470.D
Acq On : 16 Dec 2017 09:59
Operator : SJ/JU
Sample : I6776-05
Misc :
ALS Vial : 27 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F9A57

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM113017.M
Quant Title : SVOA CALIBRATION

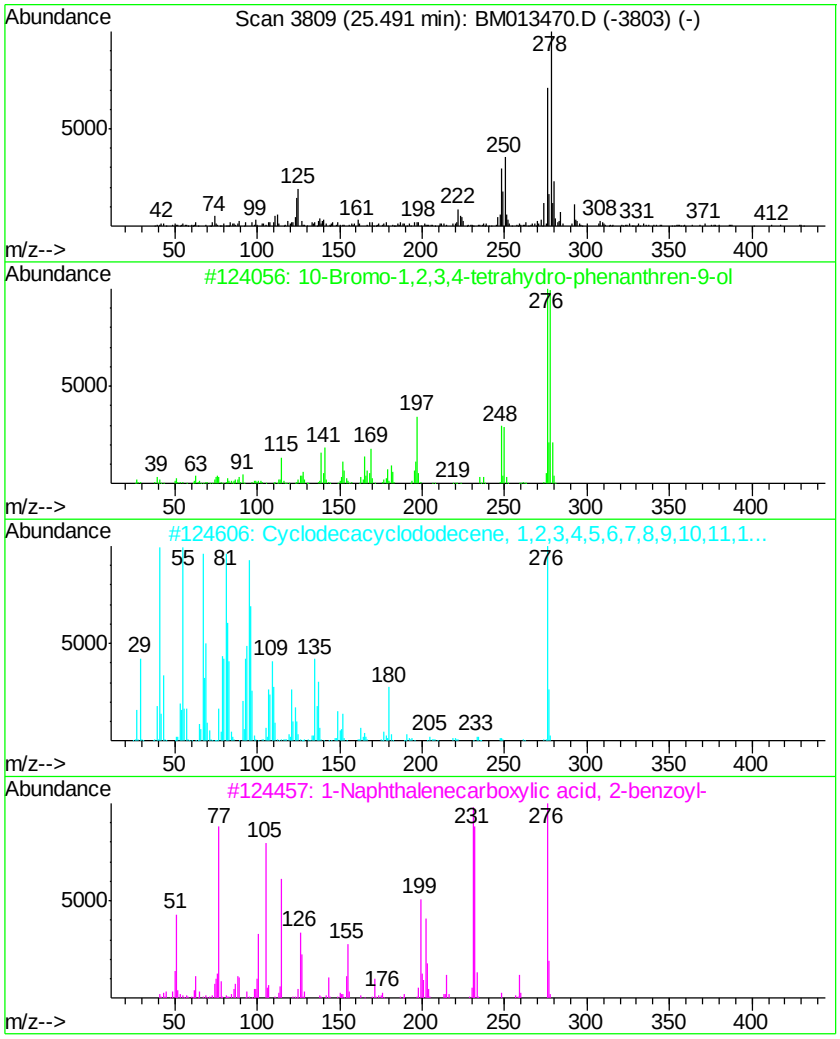
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

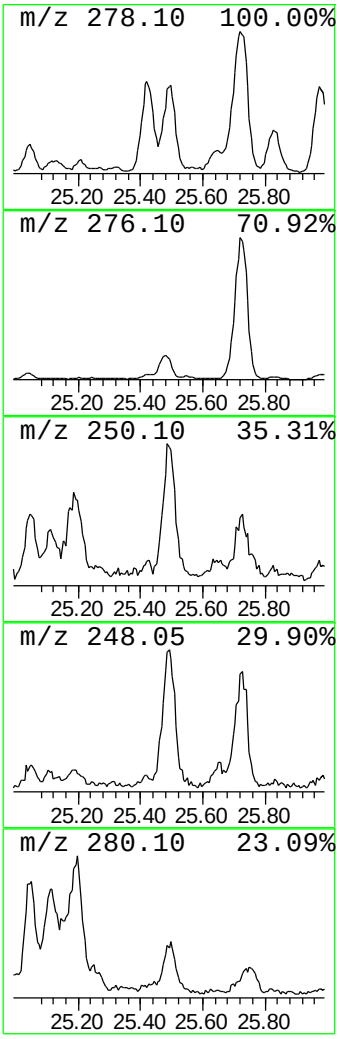
****

Peak Number 22 10-Bromo-1,2,3,4-tetrahydro... Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
25.49	10.80 ng/ul	1443610	Perylene-d12	23.49

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	10-Bromo-1,2,3,4-tetrahydro-phen...	276	C14H13BrO	1000190-54-9	80
2	Cyclodecacyclododecene, 1,2,3,4,...	276	C20H36	014113-80-5	74
3	1-Naphthalenecarboxylic acid, 2-...	276	C18H12O3	038119-11-8	74
4	Anthraquinone, 2,6-dichloro-	276	C14H6Cl2O2	000605-40-3	58
5	1,2,3,4-Phenazinetetrol, 7-chloro-	278	C12H7ClN2O4	023774-10-9	46





Data Path : Z:\HPCHEM1\BNA_M\DATA\BM121517\
Data File : BM013470.D
Acq On : 16 Dec 2017 09:59
Operator : SJ/JU
Sample : I6776-05
Misc :
ALS Vial : 27 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F9A57

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM113017.M
Quant Title : SVOA CALIBRATION

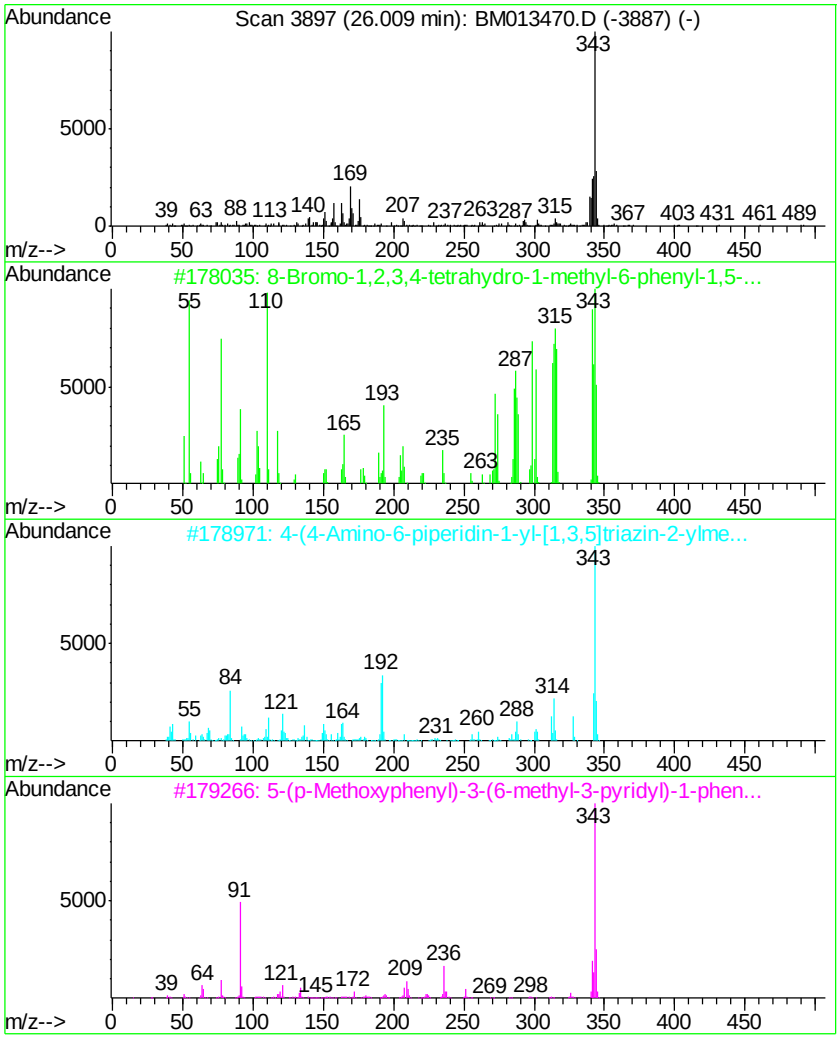
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

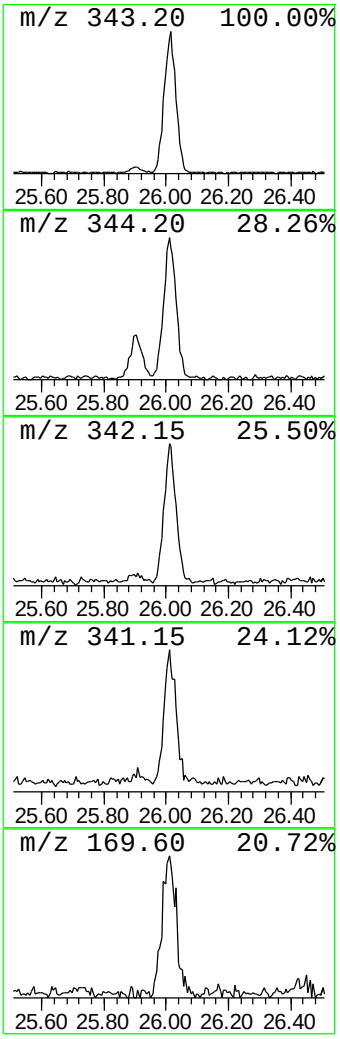
****

Peak Number 23 8-Bromo-1,2,3,4-tetrahydro-... Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
26.01	12.53 ng/ul	1674910	Perylene-d12	23.49

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	8-Bromo-1,2,3,4-tetrahydro-1-met...	342	C17H15BrN2O	063563-58-6	50
2	4-(4-Amino-6-piperidin-1-yl-[1,3...	343	C17H21N5O3	1000276-02-9	43
3	5-(p-Methoxyphenyl)-3-(6-methyl-...	343	C22H21N3O	010040-61-6	38
4	1,3,9,11,2,10-Parazabol, 2,2,10,...	372	C22H30B2N4	1000157-80-0	25
5	5-(p-Aminophenyl)-4-(4-biphenyly...	343	C21H17N3S	094863-57-7	25





Tentatively Identified Compound (LSC) summary

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM121517\
Data File : BM013470.D
Acq On : 16 Dec 2017 09:59
Operator : SJ/JU
Sample : I6776-05
Misc :
ALS Vial : 27 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F9A57

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM113017.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
Indene	8.20	2.8	ng/ul	212536	1	7.67	1500450	20.0
1(2H)-Acenaphthyl...	16.04	4.0	ng/ul	683128	4	17.07	3448520	20.0
Naphtho[2,1-b]thi...	16.89	2.2	ng/ul	374434	4	17.07	3448520	20.0
n-Hexadecanoic acid	17.97	8.3	ng/ul	1427060	4	17.07	3448520	20.0
Phenanthrene, 2-m...	18.07	2.4	ng/ul	418035	4	17.07	3448520	20.0
4H-Cyclopenta[def...	18.14	5.2	ng/ul	897846	4	17.07	3448520	20.0
Anthrone	18.34	2.3	ng/ul	396346	4	17.07	3448520	20.0
9,10-Anthracenedione	18.49	4.0	ng/ul	695363	4	17.07	3448520	20.0
Phenanthrene, 2,5...	18.86	5.1	ng/ul	884888	4	17.07	3448520	20.0
Cyclopenta(def)ph...	19.01	7.0	ng/ul	1214530	4	17.07	3448520	20.0
4-Azapyrene	19.74	2.6	ng/ul	1466510	5	21.26	11325900	20.0
Fluoranthene, 2-m...	19.97	3.8	ng/ul	2123860	5	21.26	11325900	20.0
Pyrene, 1-methyl-	20.14	2.6	ng/ul	1496820	5	21.26	11325900	20.0
11H-Benzo[a]fluor...	20.74	2.8	ng/ul	1587110	5	21.26	11325900	20.0
Benzo[b]naphtho[2...	20.90	2.0	ng/ul	1144040	5	21.26	11325900	20.0
Cyclopenta[cd]pyrene	20.98	3.5	ng/ul	2011890	5	21.26	11325900	20.0
Benz(a)anthracene...	22.57	10.8	ng/ul	1439640	6	23.49	2673980	20.0
Benzo[e]pyrene	22.99	12.7	ng/ul	1703930	6	23.49	2673980	20.0
Dinaphtho[1,2-b:1...	23.12	5.8	ng/ul	782267	6	23.49	2673980	20.0
1-Naphthalenecarb...	25.04	4.0	ng/ul	533217	6	23.49	2673980	20.0
10-Bromo-1,2,3,4-...	25.49	10.8	ng/ul	1443610	6	23.49	2673980	20.0
8-Bromo-1,2,3,4-t...	26.01	12.5	ng/ul	1674910	6	23.49	2673980	20.0