LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM062217\
Data File : BM010671.D
Acq On : 22 Jun 2017 21:57
Operator : SJ/JU
Sample : I3558-17ME 5X
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F5D33ME

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-BM062017.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	7.463	772	778	784	rBV	279574	420192	8.17%	0.967%
2	7.828	834	840	846	rBB2	42722	65774	1.28%	0.151%
3	7.987	861	867	875	rVB	71828	113230	2.20%	0.261%
4	9.640	1142	1148	1158	rVB7	24813	61175	1.19%	0.141%
5	9.851	1178	1184	1191	rVB	39073	59090	1.15%	0.136%
6	10.228	1240	1248	1251	rBV	378429	652428	12.68%	1.502%
7	10.281	1251	1257	1265	rVB	3036698	4896476	95.17%	11.271%
8	10.392	1265	1276	1286	rBV2	126995	259037	5.03%	0.596%
9	11.898	1524	1532	1540	rVB	1129575	1780526	34.61%	4.098%
10	12.122	1558	1570	1576	rBV	533300	836294	16.25%	1.925%
11	12.933	1702	1708	1715	rVB	257245	387902	7.54%	0.893%
12	13.133	1736	1742	1751	rVB	93124	151609	2.95%	0.349%
13	13.263	1755	1764	1766	rBV2	137817	200704	3.90%	0.462%
14	13.428	1784	1792	1797	rBV	213717	359552	6.99%	0.828%
15	13.480	1797	1801	1806	rVV2	143228	207185	4.03%	0.477%
16	13.533	1806	1810	1815	rVB	81782	110835	2.15%	0.255%
17	13.669	1828	1833	1837	rBV	85164	132678	2.58%	0.305%
18	13.798	1850	1855	1858	rBV2	85895	125665	2.44%	0.289%
19	13.833	1858	1861	1867	rVB	74611	101855	1.98%	0.234%
20	14.110	1899	1908	1914	rBV3	655073	1112598	21.63%	2.561%
21	14.175	1914	1919	1928	rVV	959715	1430315	27.80%	3.292%
22	14.245	1928	1931	1937	rVB	50535	60800	1.18%	0.140%
23	14.322	1937	1944	1954	rBV2	49078	91520	1.78%	0.211%
24	14.427	1954	1962	1967	rVB4	47198	84037	1.63%	0.193%
25	14.516	1967	1977	1985	rVB	880686	1287634	25.03%	2.964%
26	14.598	1985	1991	1995	rBV2	50053	66633	1.30%	0.153%
27	14.739	2008	2015	2020	rBV3	31553	54689	1.06%	0.126%
28	14.792	2020	2024	2030	rVV3	40330	52021	1.01%	0.120%
29	15.110	2073	2078	2083	rBV	128340	177010	3.44%	0.407%
30	15.169	2083	2088	2094	rVV	1142468	1555034	30.22%	3.579%
31	15.333	2112	2116	2121	rVB	126153	169375	3.29%	0.390%
32	15.416	2127	2130	2134	rVB	55058	71636	1.39%	0.165%
33	15.469	2134	2139	2149	rVB	170082	242821	4.72%	0.559%
34	15.616	2158	2164	2172	rVB	171986	344796	6.70%	0.794%

LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM062217\
Data File : BM010671.D
Acq On : 22 Jun 2017 21:57
Operator : SJ/JU
Sample : I3558-17ME 5X
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F5D33ME

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-BM062017.M
Title : SVOA CALIBRATION

35	15.698	2172	2178	2184	rVB3	29642	52773	1.03%	0.121%
36	15.969	2218	2224	2230	rBV6	61056	93531	1.82%	0.215%
37	16.069	2237	2241	2248	rVB3	31444	51504	1.00%	0.119%
38	16.174	2248	2259	2264	rBV2	122024	249981	4.86%	0.575%
39	16.221	2264	2267	2273	rVB3	41758	58047	1.13%	0.134%
40	16.327	2279	2285	2290	rVB2	50431	82414	1.60%	0.190%
41	16.451	2302	2306	2309	rVB3	42567	55866	1.09%	0.129%
42	16.604	2326	2332	2338	rBV3	65505	115459	2.24%	0.266%
43	16.686	2338	2346	2350	rVV	248155	347501	6.75%	0.800%
44	16.868	2371	2377	2380	rBV2	916745	1303421	25.33%	3.000%
45	16.916	2380	2385	2390	rVV	3841729	5144928	100.00%	11.843%
46	16.968	2390	2394	2396	rVV2	193366	268946	5.23%	0.619%
47	16.998	2396	2399	2406	rVB	588724	752446	14.63%	1.732%
48	17.063	2406	2410	2415	rBV4	40225	65753	1.28%	0.151%
49	17.274	2441	2446	2450	rVB2	370226	464818	9.03%	1.070%
50	17.392	2462	2466	2470	rBV4	40295	56090	1.09%	0.129%
51	17.745	2516	2526	2530	rBV	247682	373138	7.25%	0.859%
52	17.792	2530	2534	2541	rVB	395446	532401	10.35%	1.225%
53	17.868	2541	2547	2553	rBV	144455	222581	4.33%	0.512%
54	17.939	2553	2559	2563	rVV2	427805	712932	13.86%	1.641%
55	17.974	2563	2565	2573	rVV	123138	142363	2.77%	0.328%
56	18.251	2608	2612	2617	rBV	171087	227197	4.42%	0.523%
57	18.674	2678	2684	2689	rBV2	86472	160900	3.13%	0.370%
58	18.739	2689	2695	2698	rBV4	49693	81830	1.59%	0.188%
59	18.939	2723	2729	2737	rVB	2276171	3058579	59.45%	7.040%
60	19.186	2766	2771	2776	rVB	61809	90494	1.76%	0.208%
61	19.280	2781	2787	2788	rBV	553959	755561	14.69%	1.739%
62	19.304	2788	2791	2795	rVB	1286898	1649269	32.06%	3.796%
63	19.380	2800	2804	2811	rVB4	85794	146453	2.85%	0.337%
64	19.486	2816	2822	2829	rBV	99215	138339	2.69%	0.318%
65	19.633	2841	2847	2853	rBV2	88329	222296	4.32%	0.512%
66	19.686	2853	2856	2860	rVV	55374	73282	1.42%	0.169%
67	19.774	2861	2871	2873	rVV3	71624	195351	3.80%	0.450%
68	19.809	2873	2877	2881	rVB	315339	418550	8.14%	0.963%
69	19.909	2889	2894	2898	rBV	355019	445904	8.67%	1.026%
70	19.962	2898	2903	2908	rVV2	133745	225779	4.39%	0.520%
71	20.009	2908	2911	2914	rVV	41377	53758	1.04%	0.124%

LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM062217\
Data File : BM010671.D
Acq On : 22 Jun 2017 21:57
Operator : SJ/JU
Sample : I3558-17ME 5X
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F5D33ME

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-BM062017.M
Title : SVOA CALIBRATION

72	20.104	2923	2927	2932	rVV	46809	64098	1.25%	0.148%
73	20.151	2932	2935	2945	rVB3	48015	99556	1.94%	0.229%
74	20.339	2963	2967	2970	rBV2	52122	61442	1.19%	0.141%
75	20.404	2974	2978	2981	rVV5	41276	64522	1.25%	0.149%
76	20.521	2993	2998	3004	rBV4	53301	108131	2.10%	0.249%
77	20.727	3028	3033	3036	rBV2	104443	142711	2.77%	0.328%
78	20.762	3036	3039	3043	rVV	91981	121399	2.36%	0.279%
79	20.815	3043	3048	3052	rVB2	76101	131577	2.56%	0.303%
80	20.968	3064	3074	3081	rBV3	38008	101564	1.97%	0.234%
81	21.080	3085	3093	3097	rVV2	1524485	2577330	50.09%	5.933%
82	21.115	3097	3099	3107	rVB	394414	508754	9.89%	1.171%
83	21.233	3116	3119	3123	rBV	100620	120906	2.35%	0.278%
84	21.345	3134	3138	3141	rVB	55482	68639	1.33%	0.158%
85	21.392	3141	3146	3152	rBV3	77275	129787	2.52%	0.299%
86	21.621	3180	3185	3189	rVB	66638	97450	1.89%	0.224%
87	21.839	3219	3222	3227	rVB5	55780	72959	1.42%	0.168%
88	22.586	3344	3349	3360	rVB	152969	457799	8.90%	1.054%
89	23.033	3422	3425	3430	rBV	48848	62580	1.22%	0.144%
90	23.080	3430	3433	3437	rVV2	87686	123550	2.40%	0.284%
91	23.127	3437	3441	3448	rVB2	115253	242501	4.71%	0.558%
92	23.221	3450	3457	3463	rBV	694755	1202384	23.37%	2.768%
93	23.750	3544	3547	3554	rVB6	42661	70529	1.37%	0.162%

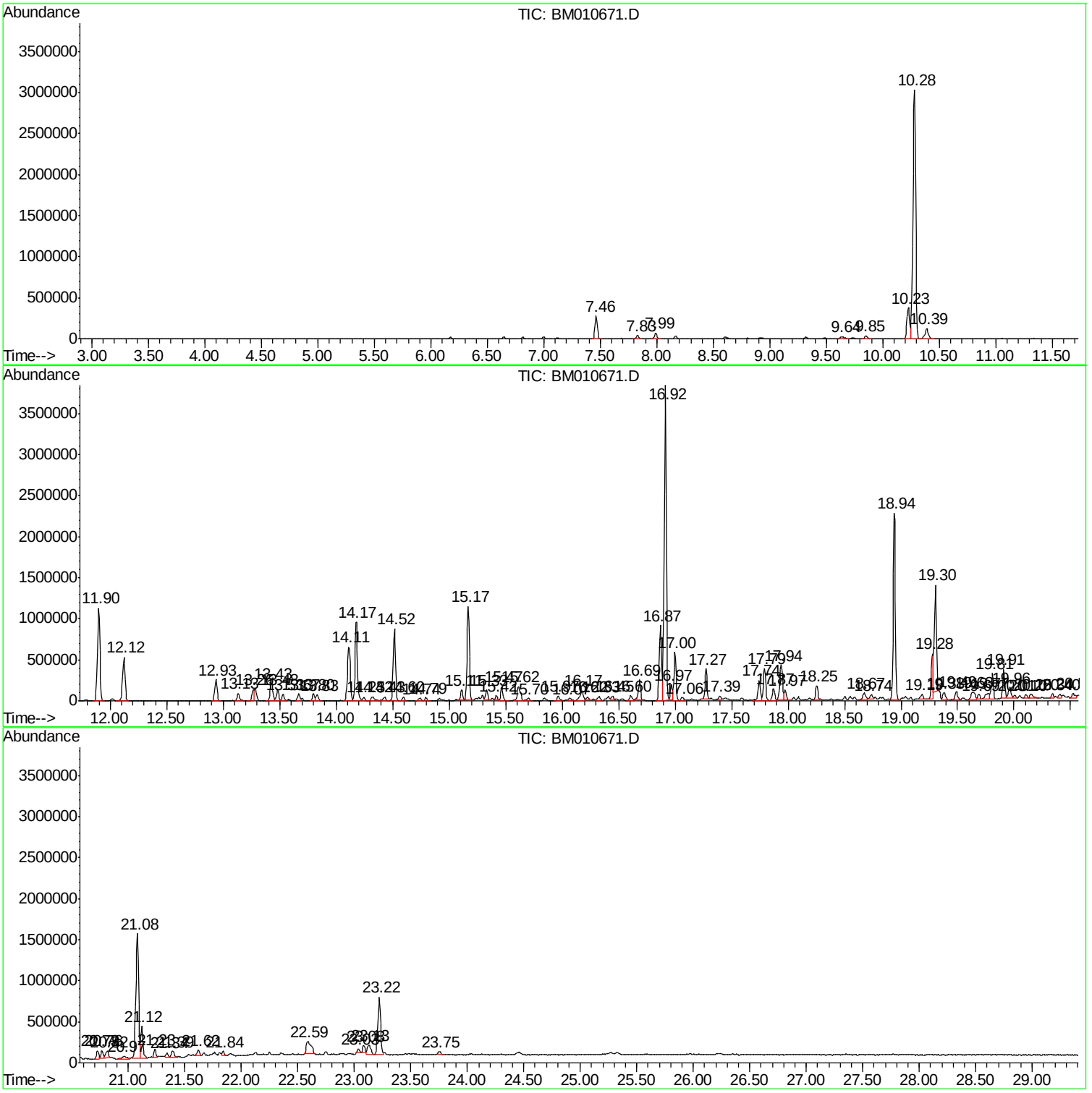
Sum of corrected areas: 43443729

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM062217\
Data File : BM010671.D
Acq On : 22 Jun 2017 21:57
Operator : SJ/JU
Sample : I3558-17ME 5X
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
F5D33ME

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM062017.M
Quant Title : SVOA CALIBRATION

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



Data Path : Z:\HPCHEM1\BNA_M\DATA\BM062217\
Data File : BM010671.D
Acq On : 22 Jun 2017 21:57
Operator : SJ/JU
Sample : I3558-17ME 5X
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F5D33ME

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM062017.M
Quant Title : SVOA CALIBRATION

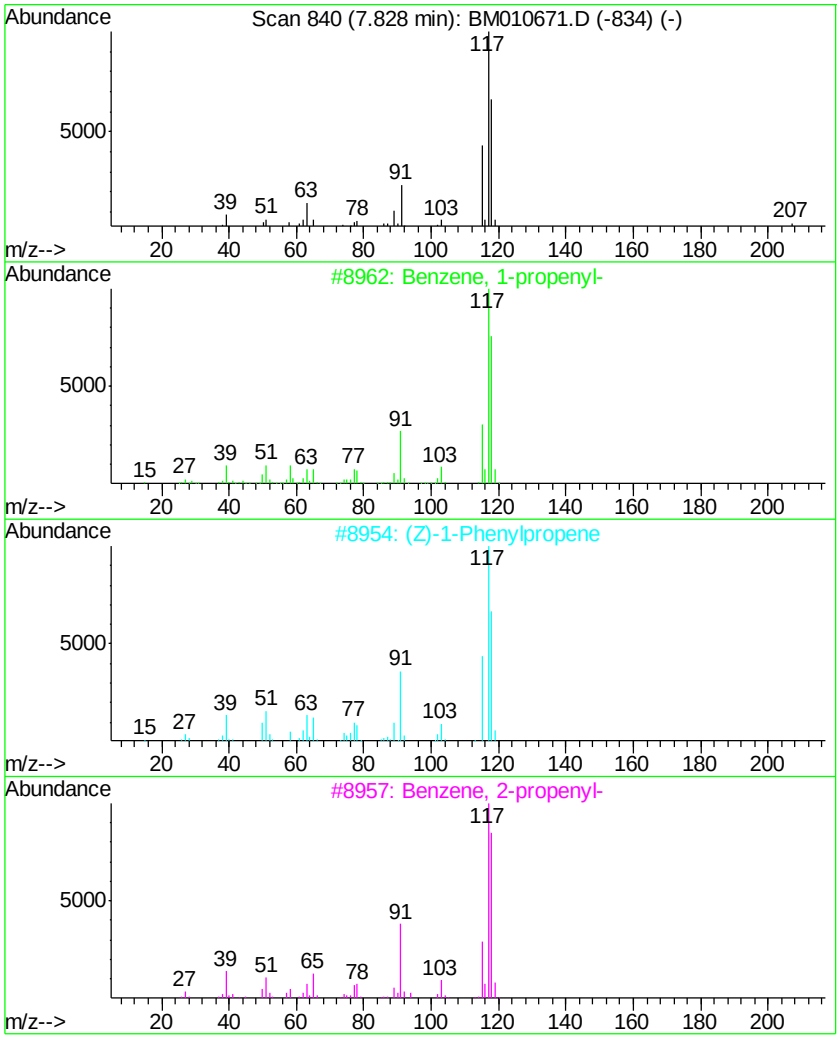
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

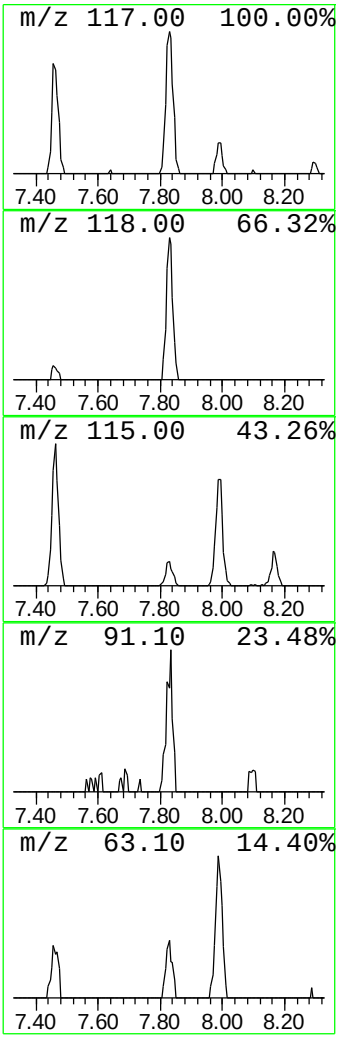
****

Peak Number 1 Benzene, 1-propenyl- Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.83	3.13 ng/ul	65774	1,4-Dichlorobenzene-d4	7.46

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-propenyl-	118	C9H10	000637-50-3	70
2	(Z)-1-Phenylpropene	118	C9H10	000766-90-5	64
3	Benzene, 2-propenyl-	118	C9H10	000300-57-2	62
4	Benzene, cyclopropyl-	118	C9H10	000873-49-4	62
5	Benzene, 1-propenyl-	118	C9H10	000637-50-3	62





Data Path : Z:\HPCHEM1\BNA_M\DATA\BM062217\
Data File : BM010671.D
Acq On : 22 Jun 2017 21:57
Operator : SJ/JU
Sample : I3558-17ME 5X
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F5D33ME

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM062017.M
Quant Title : SVOA CALIBRATION

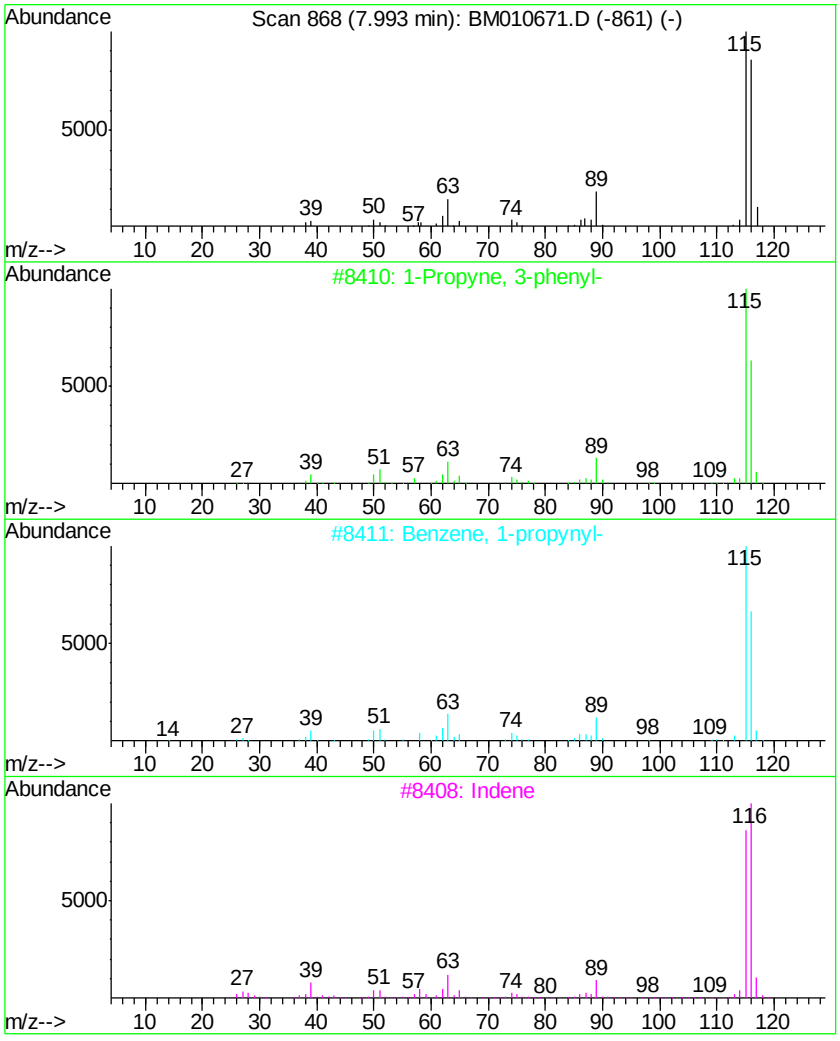
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

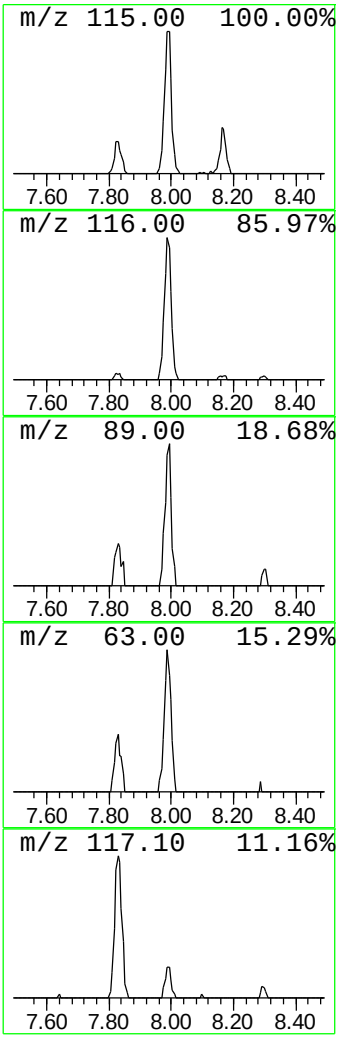
****

Peak Number 2 1-Propyne, 3-phenyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.99	5.39 ng/ul	113230	1,4-Dichlorobenzene-d4	7.46

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Propyne, 3-phenyl-	116	C9H8	010147-11-2	91
2	Benzene, 1-propynyl-	116	C9H8	000673-32-5	91
3	Indene	116	C9H8	000095-13-6	91
4	Benzene, 1-propynyl-	116	C9H8	000673-32-5	91
5	3-Methylphenylacetylene	116	C9H8	000766-82-5	91





Data Path : Z:\HPCHEM1\BNA_M\DATA\BM062217\
Data File : BM010671.D
Acq On : 22 Jun 2017 21:57
Operator : SJ/JU
Sample : I3558-17ME 5X
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F5D33ME

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM062017.M
Quant Title : SVOA CALIBRATION

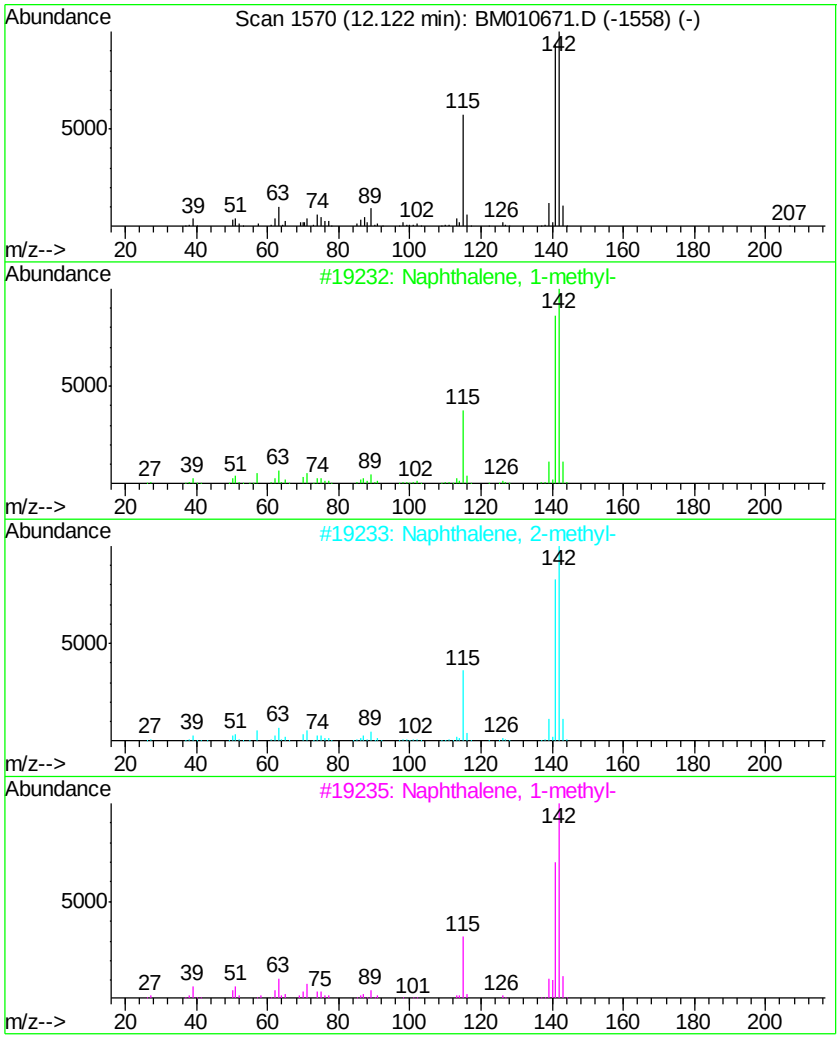
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

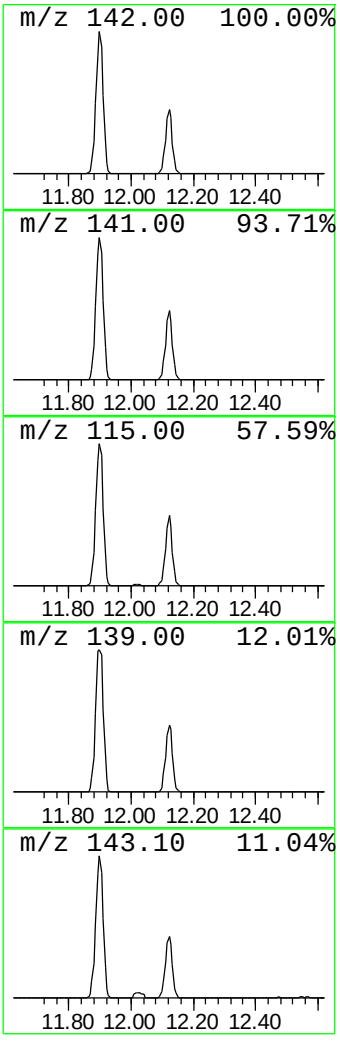
****

Peak Number 3 Naphthalene, 1-methyl- Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.12	25.64 ng/ul	836294	Naphthalene-d8	10.23

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1-methyl-	142	C11H10	000090-12-0	95
2	Naphthalene, 2-methyl-	142	C11H10	000091-57-6	95
3	Naphthalene, 1-methyl-	142	C11H10	000090-12-0	94
4	Naphthalene, 1-methyl-	142	C11H10	000090-12-0	94
5	Naphthalene, 2-methyl-	142	C11H10	000091-57-6	94





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM062217\
Data File : BM010671.D
Acq On : 22 Jun 2017 21:57
Operator : SJ/JU
Sample : I3558-17ME 5X
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F5D33ME

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM062017.M
Quant Title : SVOA CALIBRATION

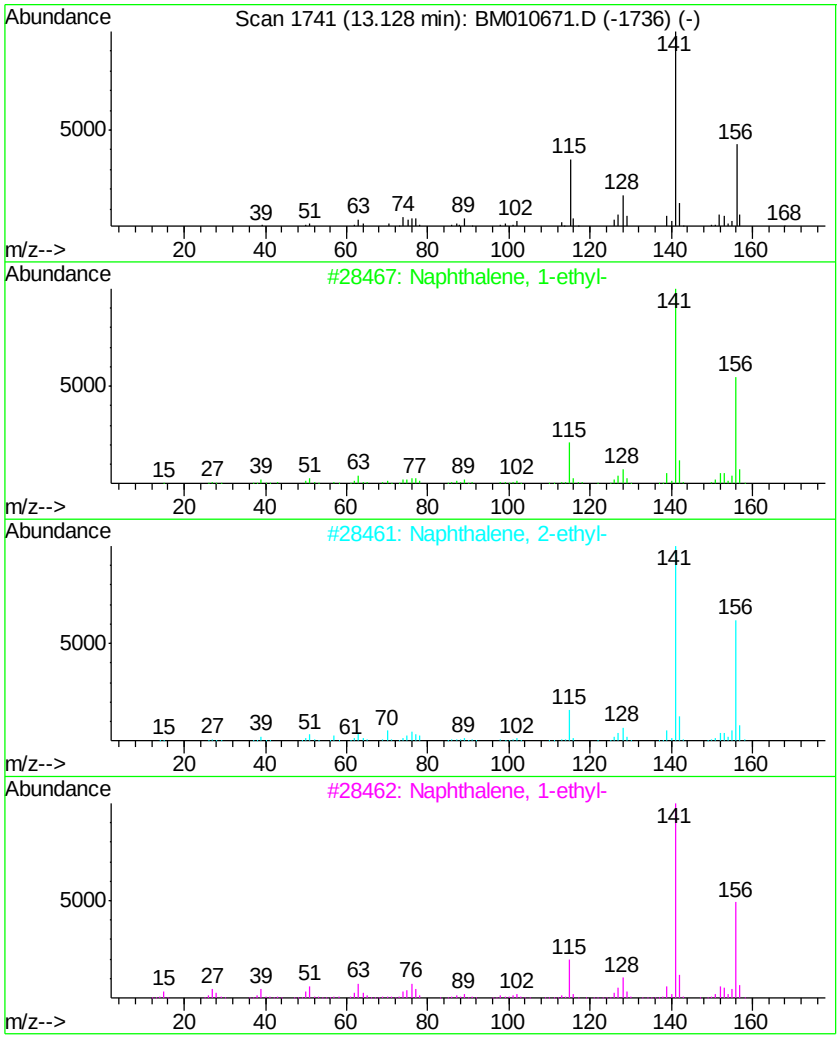
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

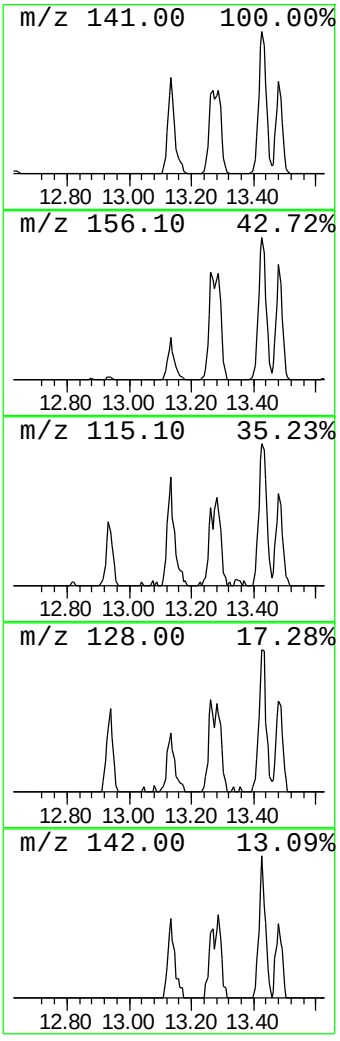
****

Peak Number 4 Naphthalene, 1-ethyl- Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.13	2.73 ng/ul	151609	Acenaphthene-d10	14.11

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1-ethyl-	156	C12H12	001127-76-0	94
2	Naphthalene, 2-ethyl-	156	C12H12	000939-27-5	94
3	Naphthalene, 1-ethyl-	156	C12H12	001127-76-0	94
4	Naphthalene, 2-ethyl-	156	C12H12	000939-27-5	93
5	Naphthalene, 2-ethyl-	156	C12H12	000939-27-5	91





Data Path : Z:\HPCHEM1\BNA_M\DATA\BM062217\
Data File : BM010671.D
Acq On : 22 Jun 2017 21:57
Operator : SJ/JU
Sample : I3558-17ME 5X
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F5D33ME

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM062017.M
Quant Title : SVOA CALIBRATION

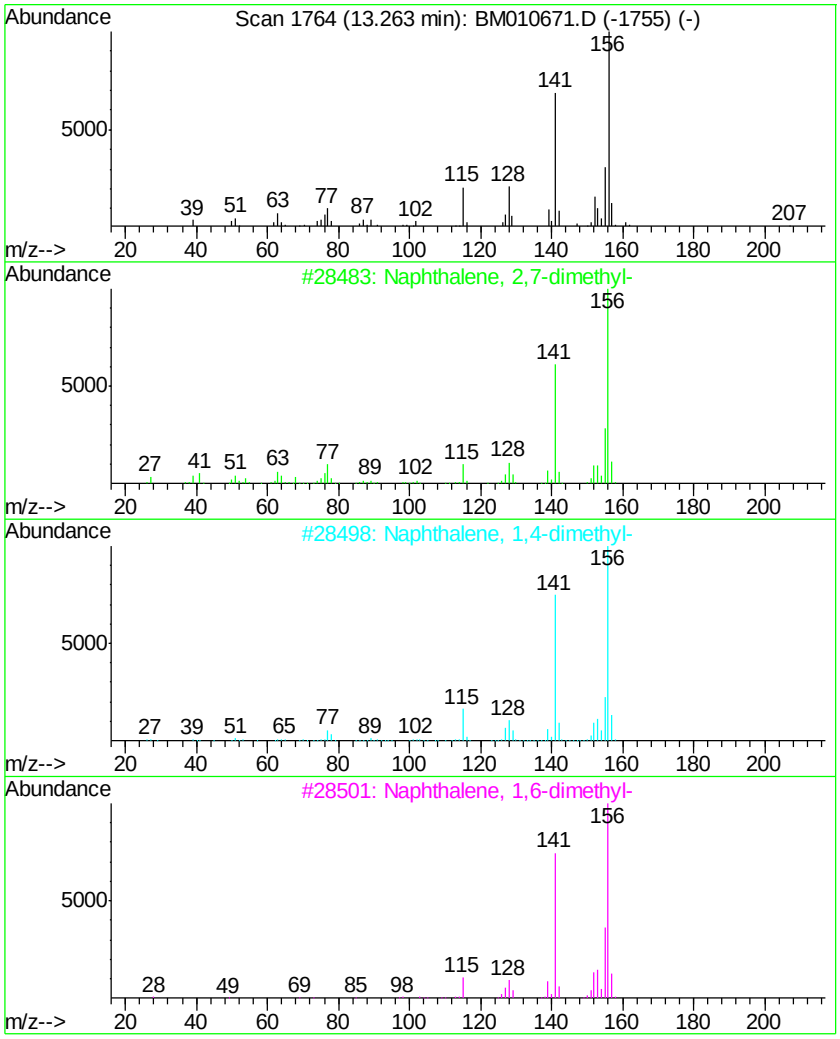
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

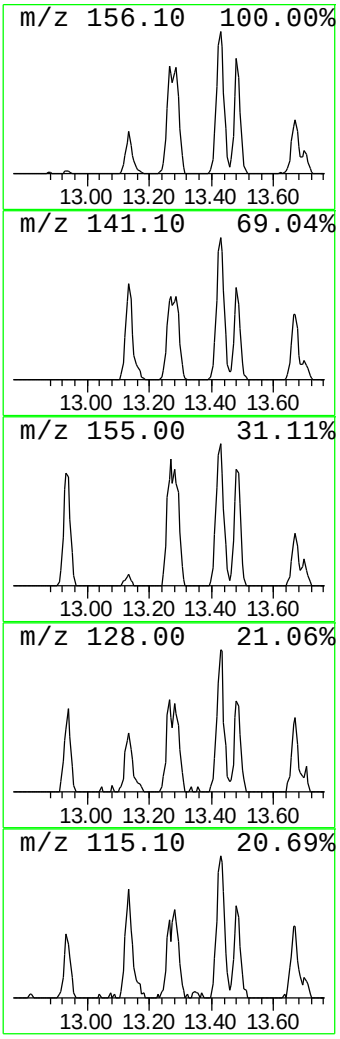
****

Peak Number 5 Naphthalene, 2,7-dimethyl- Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.26	3.61 ng/ul	200704	Acenaphthene-d10	14.11

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2,7-dimethyl-	156	C12H12	000582-16-1	95
2	Naphthalene, 1,4-dimethyl-	156	C12H12	000571-58-4	95
3	Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	95
4	Naphthalene, 2,6-dimethyl-	156	C12H12	000581-42-0	95
5	Naphthalene, 2,7-dimethyl-	156	C12H12	000582-16-1	95





Data Path : Z:\HPCHEM1\BNA_M\DATA\BM062217\
Data File : BM010671.D
Acq On : 22 Jun 2017 21:57
Operator : SJ/JU
Sample : I3558-17ME 5X
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F5D33ME

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM062017.M
Quant Title : SVOA CALIBRATION

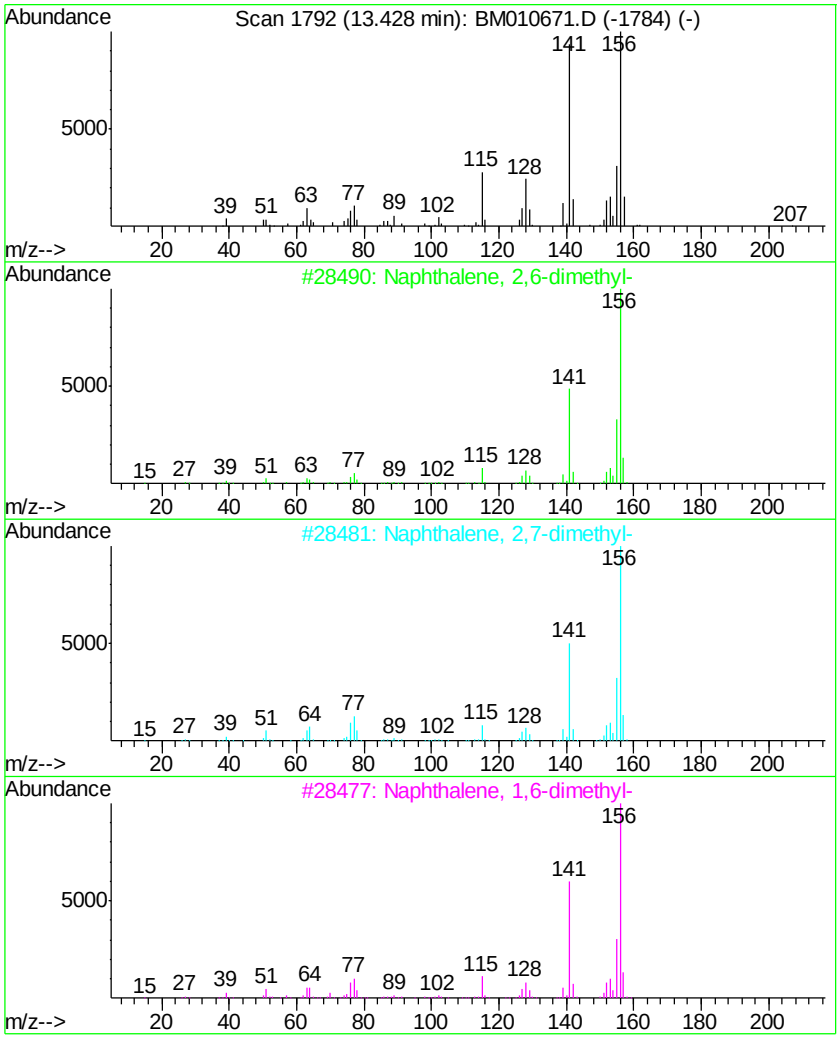
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

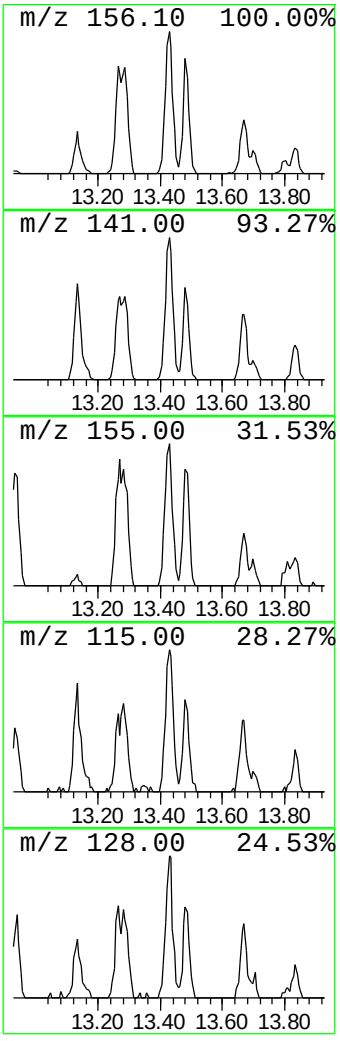
****

Peak Number 6 Naphthalene, 2,6-dimethyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.43	6.46 ng/ul	359552	Acenaphthene-d10	14.11

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2,6-dimethyl-	156	C12H12	000581-42-0	95
2	Naphthalene, 2,7-dimethyl-	156	C12H12	000582-16-1	95
3	Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	95
4	Naphthalene, 1,3-dimethyl-	156	C12H12	000575-41-7	95
5	Naphthalene, 2,7-dimethyl-	156	C12H12	000582-16-1	95





Data Path : Z:\HPCHEM1\BNA_M\DATA\BM062217\
Data File : BM010671.D
Acq On : 22 Jun 2017 21:57
Operator : SJ/JU
Sample : I3558-17ME 5X
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F5D33ME

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM062017.M
Quant Title : SVOA CALIBRATION

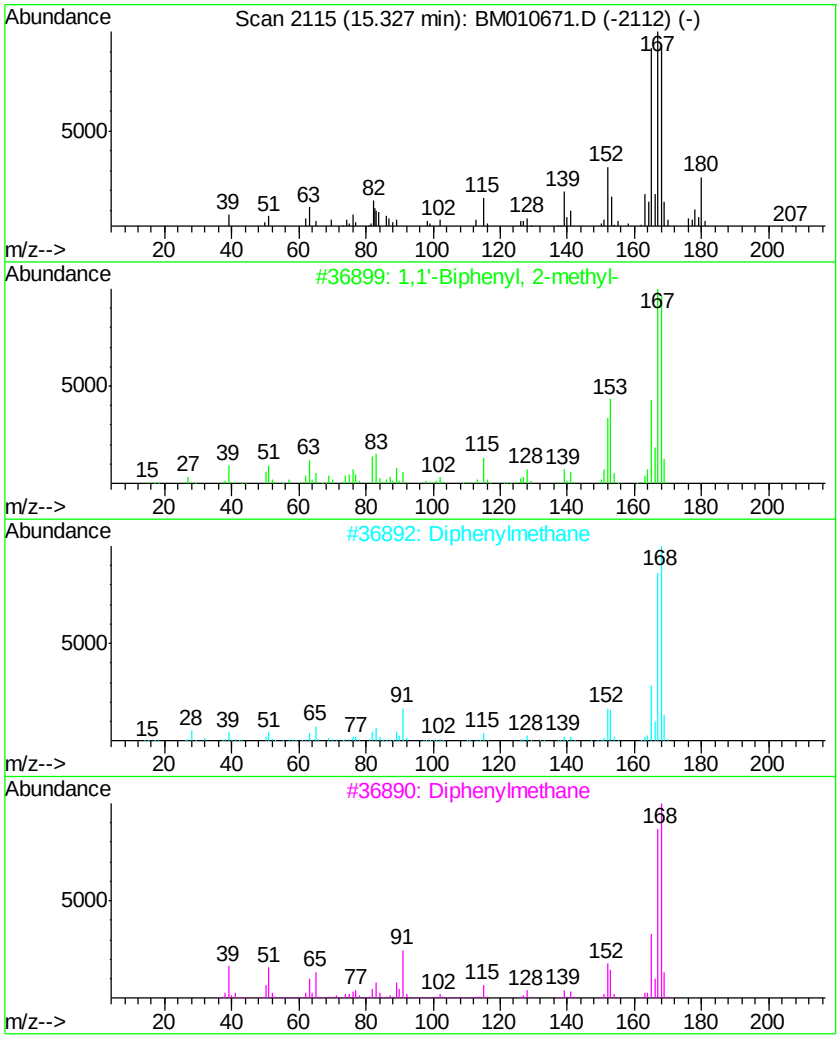
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

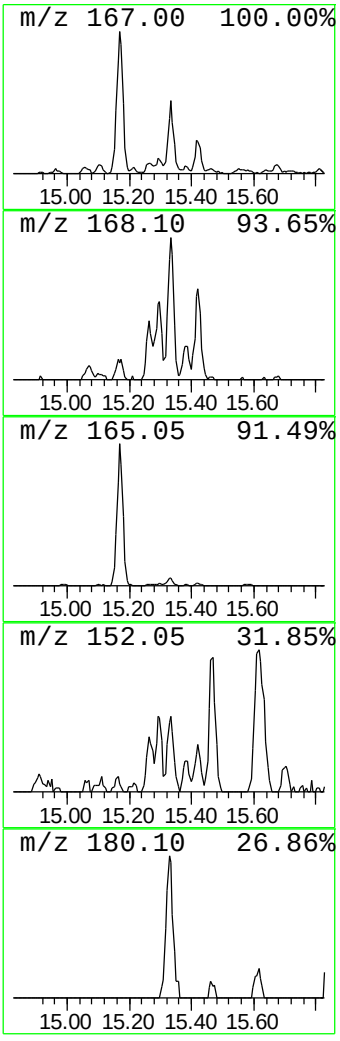
****

Peak Number 9 1,1'-Biphenyl, 2-methyl- Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.33	3.04 ng/ul	169375	Acenaphthene-d10	14.11

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,1'-Biphenyl, 2-methyl-	168	C13H12	000643-58-3	68
2	Diphenylmethane	168	C13H12	000101-81-5	58
3	Diphenylmethane	168	C13H12	000101-81-5	53
4	1,1'-Biphenyl, 4-methyl-	168	C13H12	000644-08-6	49
5	Diphenylmethane	168	C13H12	000101-81-5	49





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM062217\
Data File : BM010671.D
Acq On : 22 Jun 2017 21:57
Operator : SJ/JU
Sample : I3558-17ME 5X
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F5D33ME

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM062017.M
Quant Title : SVOA CALIBRATION

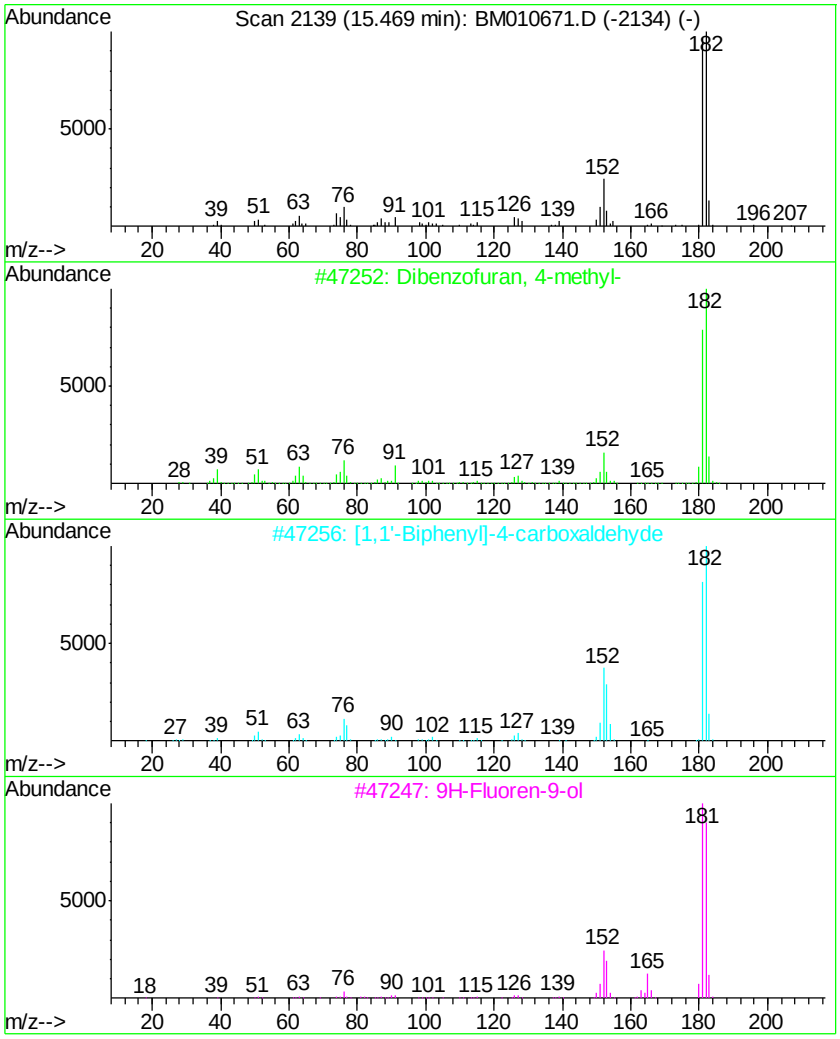
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

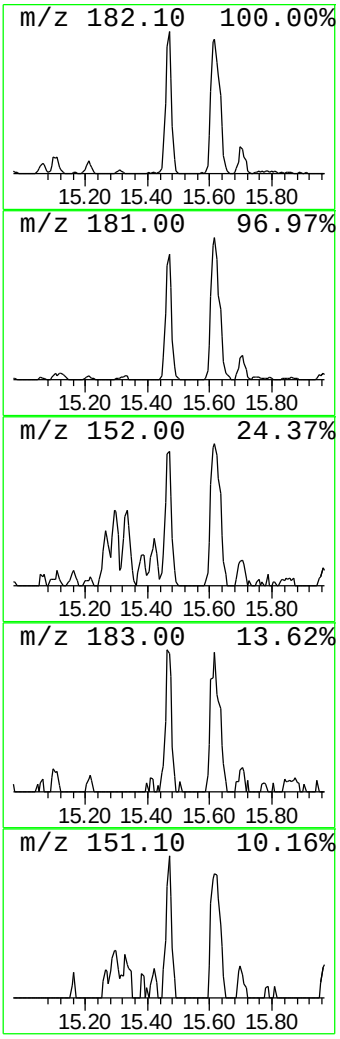
****

Peak Number 10 Dibenzofuran, 4-methyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.47	4.36 ng/ul	242821	Acenaphthene-d10	14.11

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dibenzofuran, 4-methyl-	182	C13H10O	007320-53-8	94
2	[1,1'-Biphenyl]-4-carboxaldehyde	182	C13H10O	003218-36-8	87
3	9H-Fluoren-9-ol	182	C13H10O	001689-64-1	86
4	3-(2-Naphthyl)acrylaldehyde	182	C13H10O	020884-05-3	86
5	2,4,6-Cycloheptatrien-1-one, 2-p...	182	C13H10O	014562-09-5	86





Data Path : Z:\HPCHEM1\BNA_M\DATA\BM062217\
Data File : BM010671.D
Acq On : 22 Jun 2017 21:57
Operator : SJ/JU
Sample : I3558-17ME 5X
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F5D33ME

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM062017.M
Quant Title : SVOA CALIBRATION

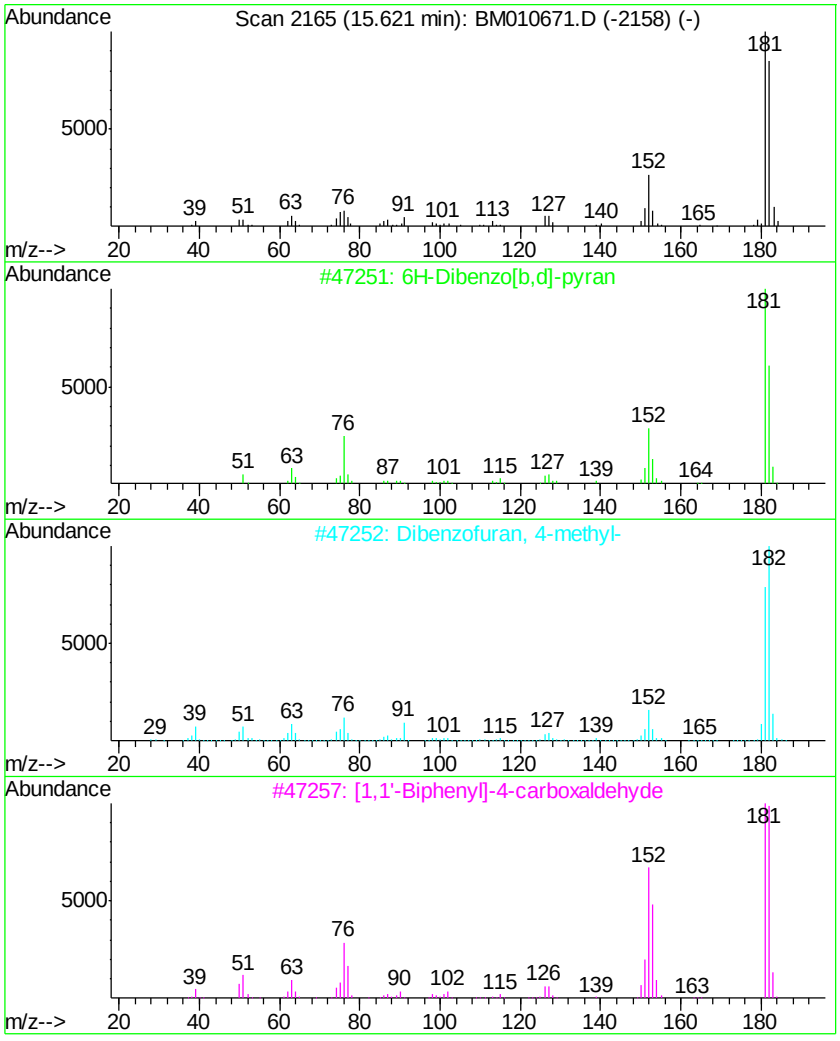
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

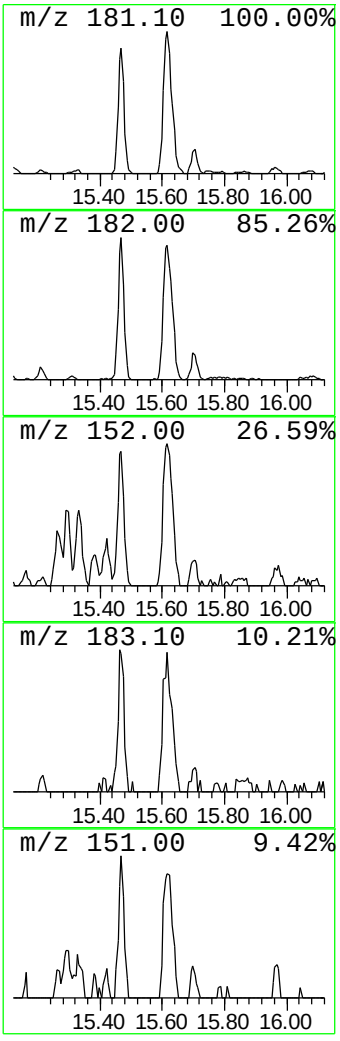
****

Peak Number 11 6H-Dibenzo[b,d]-pyran Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.62	5.29 ng/ul	344796	Phenanthrene-d10	16.87

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	6H-Dibenzo[b,d]-pyran	182	C13H10O	000229-95-8	94
2	Dibenzofuran, 4-methyl-	182	C13H10O	007320-53-8	91
3	[1,1'-Biphenyl]-4-carboxaldehyde	182	C13H10O	003218-36-8	87
4	9H-Fluoren-9-ol	182	C13H10O	001689-64-1	87
5	2,4,6-Cycloheptatrien-1-one, 2-p...	182	C13H10O	014562-09-5	86





Data Path : Z:\HPCHEM1\BNA_M\DATA\BM062217\
Data File : BM010671.D
Acq On : 22 Jun 2017 21:57
Operator : SJ/JU
Sample : I3558-17ME 5X
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F5D33ME

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM062017.M
Quant Title : SVOA CALIBRATION

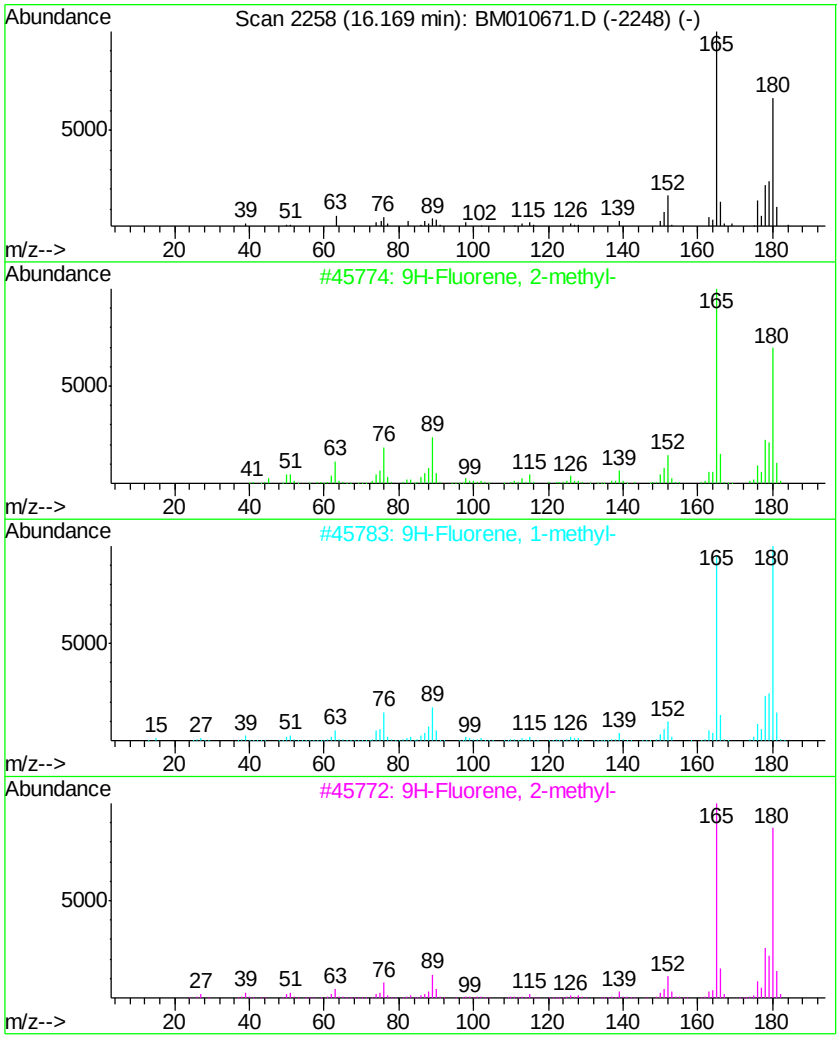
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

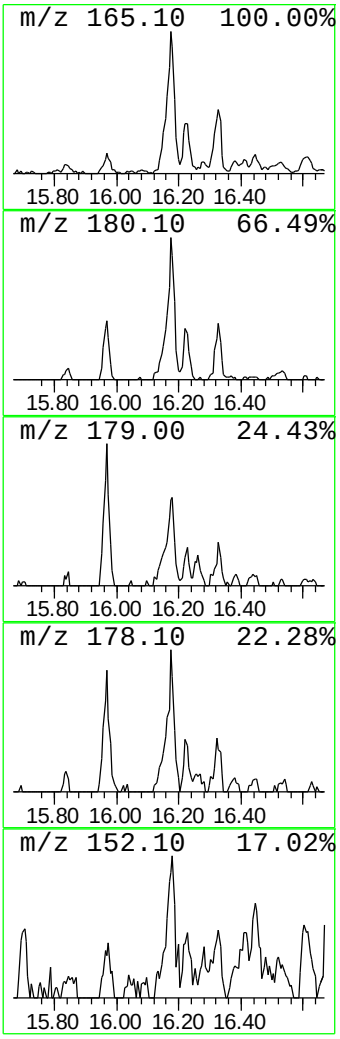
****

Peak Number 12 9H-Fluorene, 2-methyl- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.17	3.84 ng/ul	249981	Phenanthrene-d10	16.87

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9H-Fluorene, 2-methyl-	180	C14H12	001430-97-3	95
2	9H-Fluorene, 1-methyl-	180	C14H12	001730-37-6	95
3	9H-Fluorene, 2-methyl-	180	C14H12	001430-97-3	94
4	9H-Fluorene, 1-methyl-	180	C14H12	001730-37-6	94
5	9H-Fluorene, 3-methyl-	180	C14H12	002523-39-9	93





Data Path : Z:\HPCHEM1\BNA_M\DATA\BM062217\
Data File : BM010671.D
Acq On : 22 Jun 2017 21:57
Operator : SJ/JU
Sample : I3558-17ME 5X
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F5D33ME

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM062017.M
Quant Title : SVOA CALIBRATION

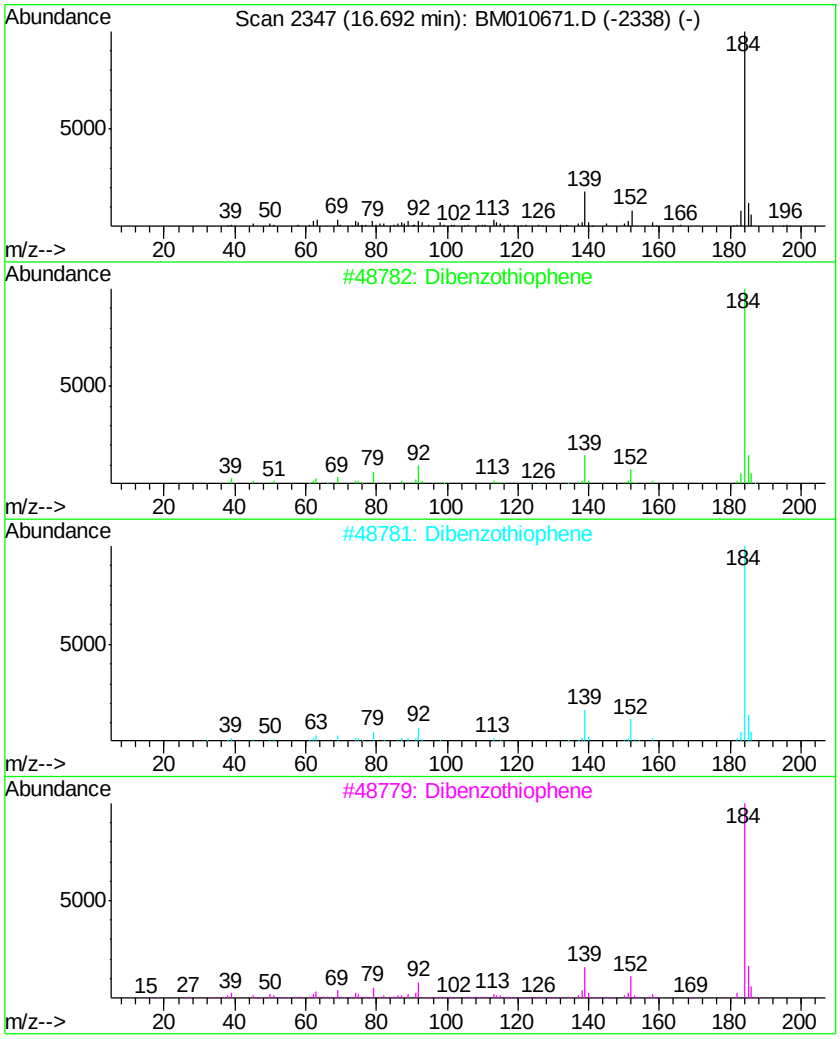
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

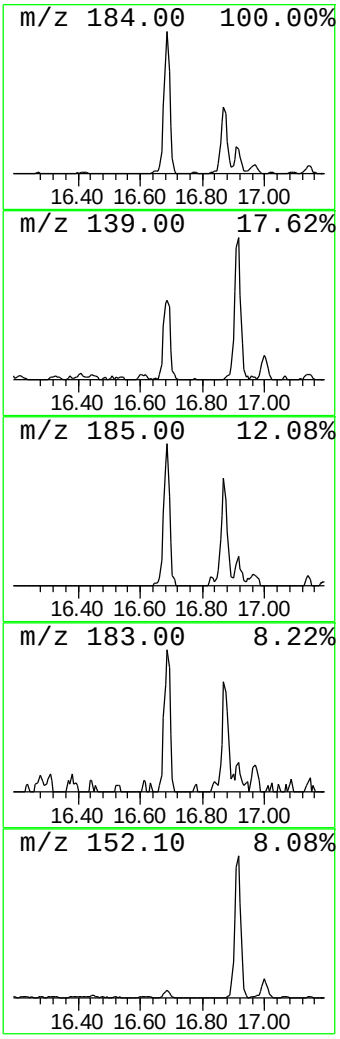
****

Peak Number 13 Dibenzothiophene Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.69	5.33 ng/ul	347501	Phenanthrene-d10	16.87

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	Dibenzothiophene	184	C12H8S	000132-65-0	91
4	Naphtho[2,1-b]thiophene	184	C12H8S	000233-02-3	91
5	Azuleno(2,1-b)thiophene	184	C12H8S	000248-13-5	91





Data Path : Z:\HPCHEM1\BNA_M\DATA\BM062217\
Data File : BM010671.D
Acq On : 22 Jun 2017 21:57
Operator : SJ/JU
Sample : I3558-17ME 5X
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F5D33ME

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM062017.M
Quant Title : SVOA CALIBRATION

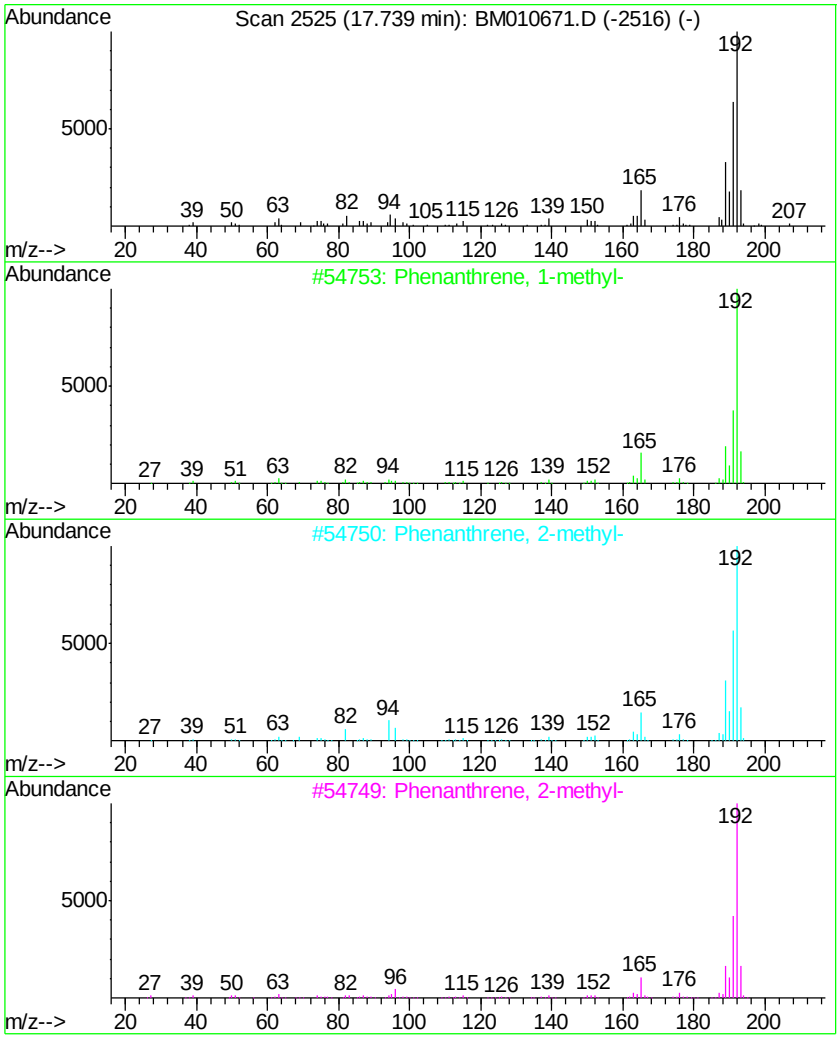
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

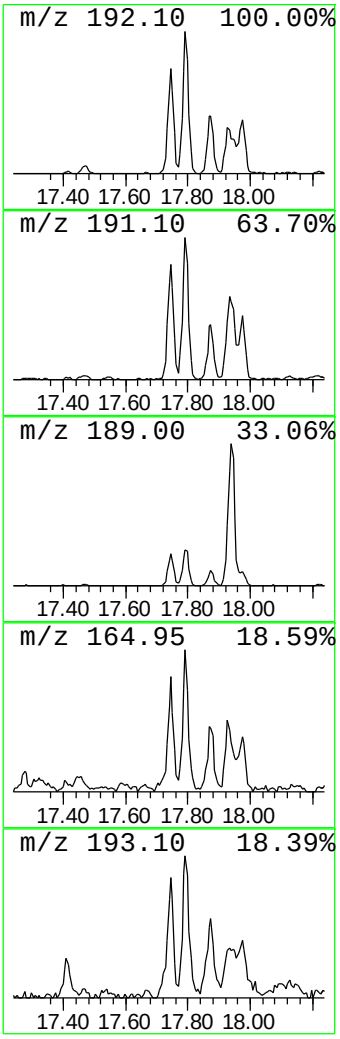
****

Peak Number 14 Phenanthrene, 1-methyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.74	5.73 ng/ul	373138	Phenanthrene-d10	16.87

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	95
2	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	94
3	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	94
4	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	94
5	5H-Dibenzo[a,d]cycloheptene	192	C15H12	000256-81-5	93





Data Path : Z:\HPCHEM1\BNA_M\DATA\BM062217\
Data File : BM010671.D
Acq On : 22 Jun 2017 21:57
Operator : SJ/JU
Sample : I3558-17ME 5X
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F5D33ME

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM062017.M
Quant Title : SVOA CALIBRATION

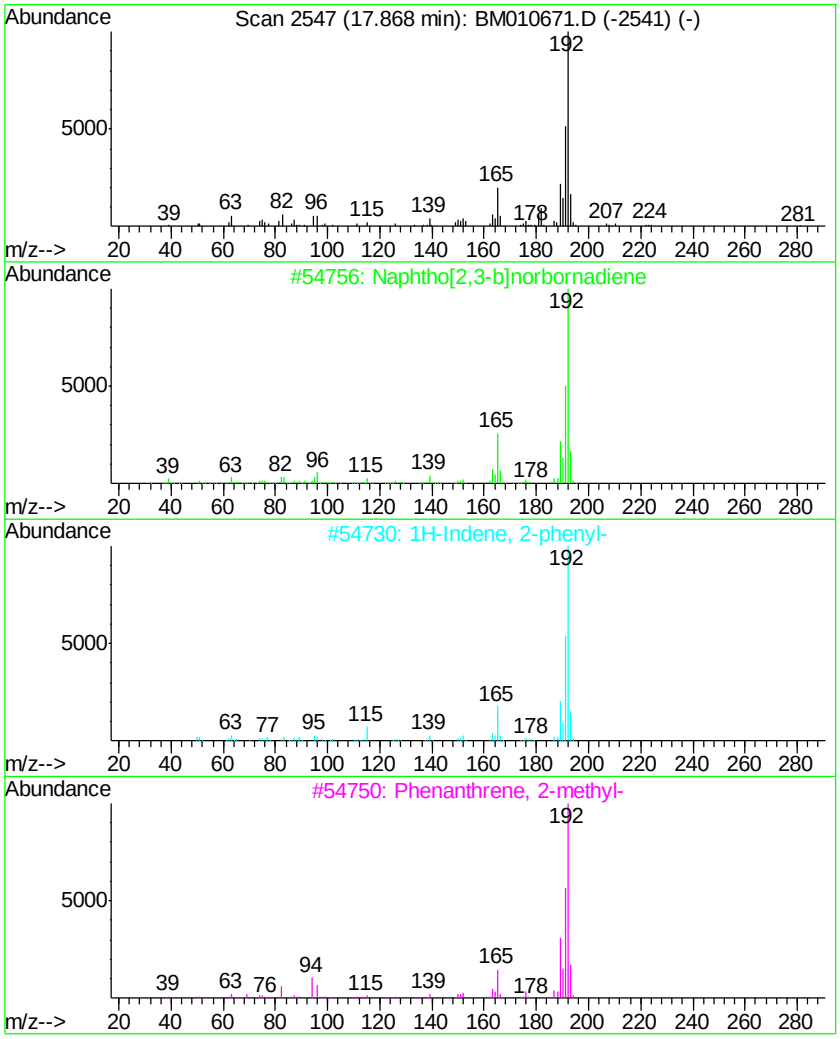
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

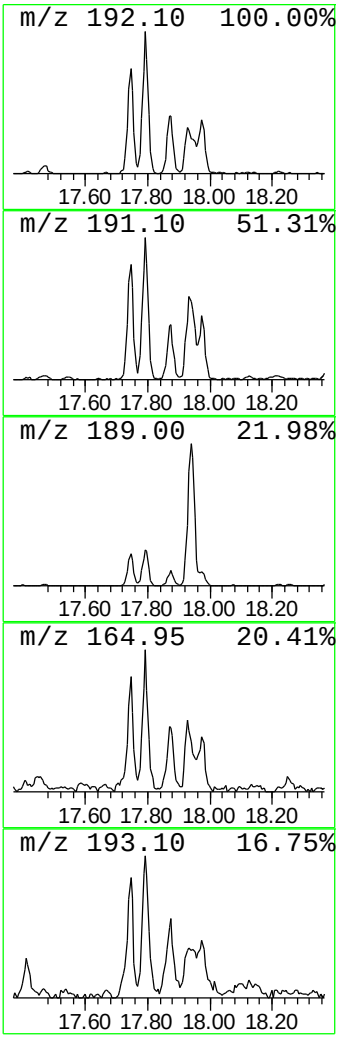
****

Peak Number 16 Naphtho[2,3-b]norbornadiene Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.87	3.42 ng/ul	222581	Phenanthrene-d10	16.87

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphtho[2,3-b]norbornadiene	192	C15H12	107426-38-0	96
2	1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	95
3	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	95
4	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	94
5	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	94





Data Path : Z:\HPCHEM1\BNA_M\DATA\BM062217\
Data File : BM010671.D
Acq On : 22 Jun 2017 21:57
Operator : SJ/JU
Sample : I3558-17ME 5X
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F5D33ME

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM062017.M
Quant Title : SVOA CALIBRATION

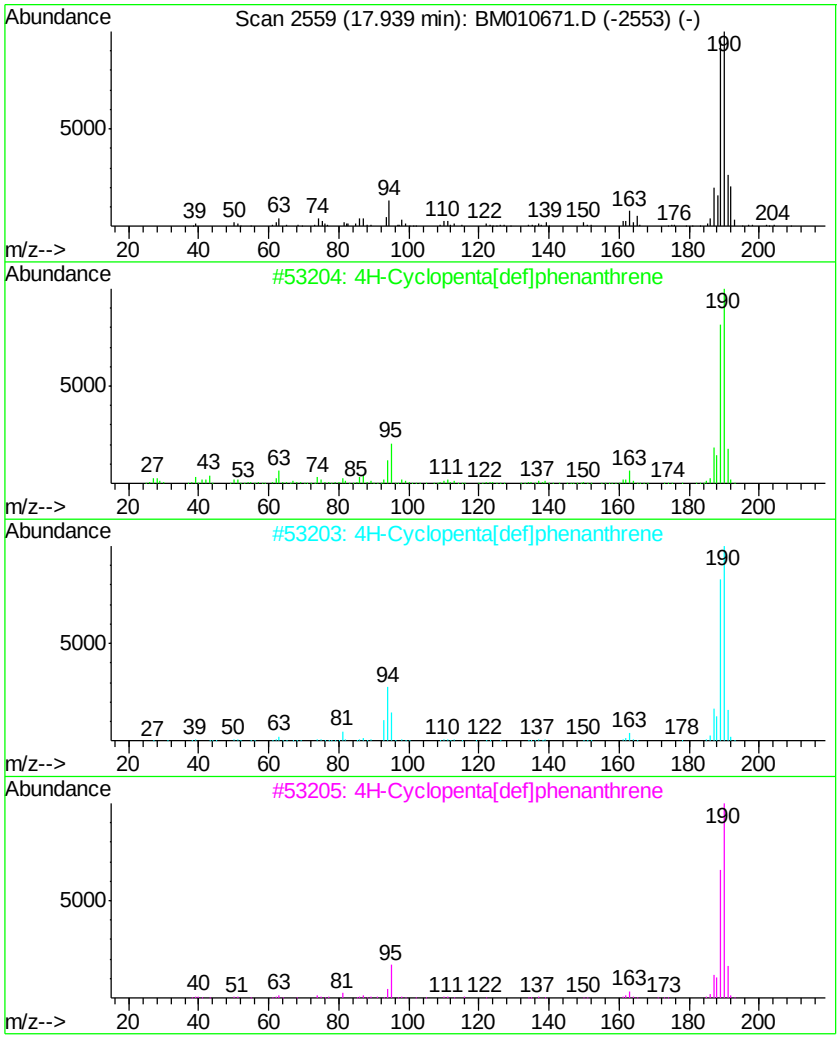
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

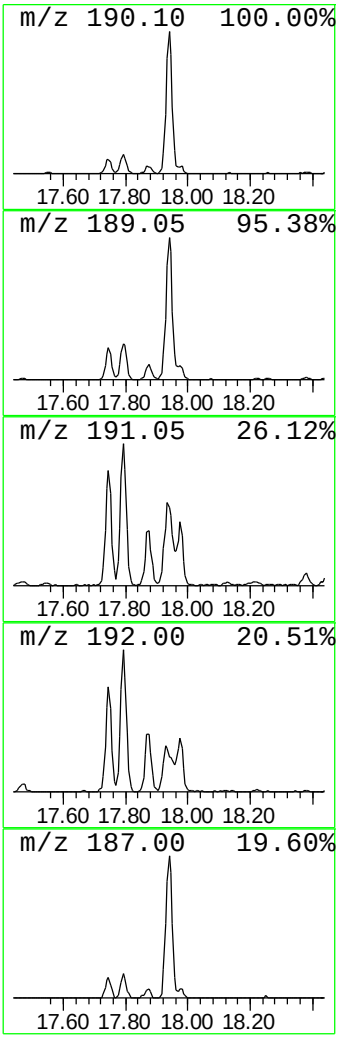
****

Peak Number 17 4H-Cyclopenta[def]phenanthrene Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.94	10.94 ng/ul	712932	Phenanthrene-d10	16.87

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	95
2	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	83
3	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	49
4	2,2'-Bis(4,5-dimethylimidazole)	190	C10H14N4	069286-06-2	33
5	2-Naphthaldehyde, 1,2,3,4-tetrah...	190	C12H14O2	002472-02-8	14





Data Path : Z:\HPCHEM1\BNA_M\DATA\BM062217\
Data File : BM010671.D
Acq On : 22 Jun 2017 21:57
Operator : SJ/JU
Sample : I3558-17ME 5X
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F5D33ME

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM062017.M
Quant Title : SVOA CALIBRATION

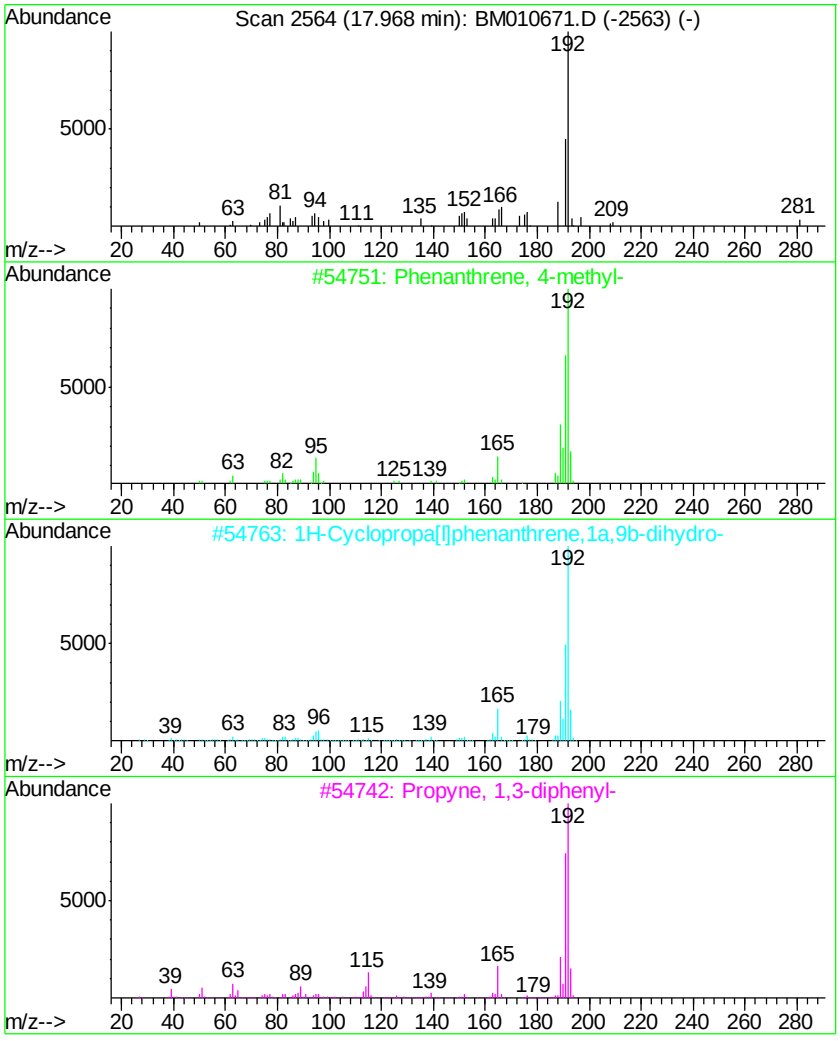
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

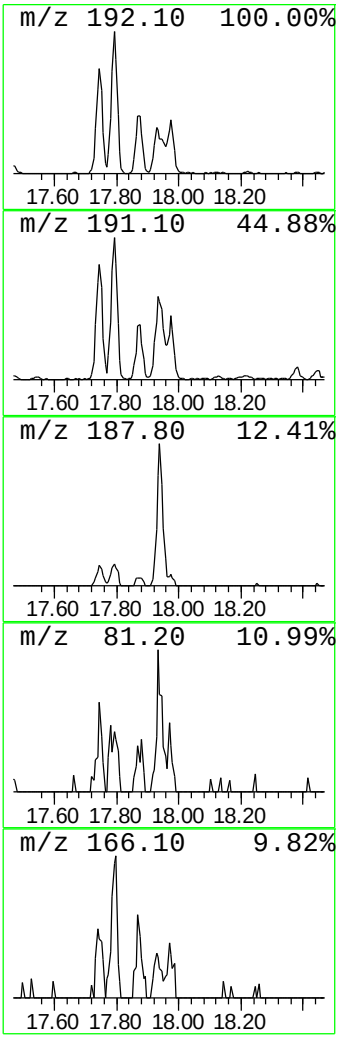
****

Peak Number 18 Phenanthrene, 4-methyl- Concentration Rank 22

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.97	2.18 ng/ul	142363	Phenanthrene-d10	16.87

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	90
2	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	86
3	Propyne, 1,3-diphenyl-	192	C15H12	004980-70-5	86
4	Anthracene, 1-methyl-	192	C15H12	000610-48-0	86
5	1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	86





Data Path : Z:\HPCHEM1\BNA_M\DATA\BM062217\
Data File : BM010671.D
Acq On : 22 Jun 2017 21:57
Operator : SJ/JU
Sample : I3558-17ME 5X
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F5D33ME

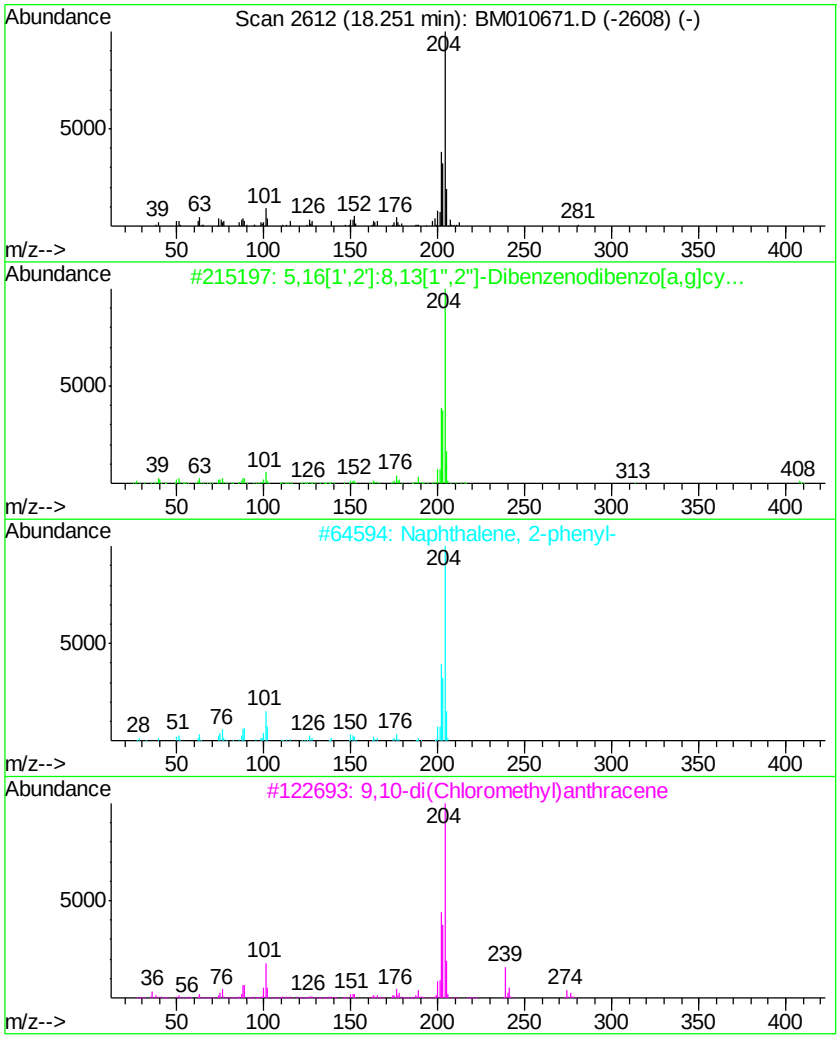
Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM062017.M
Quant Title : SVOA CALIBRATION

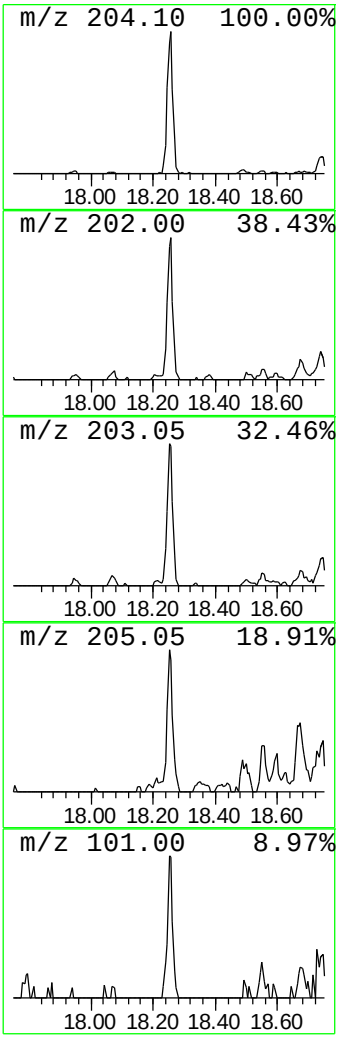
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 19 5,16[1',2']:8,13[1'',2'']-D... Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.25	3.49 ng/ul	227197	Phenanthrene-d10	16.87

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	5,16[1',2']:8,13[1'',2'']-Dibenz...	408	C32H24	005672-97-9	90
2	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	64
3	9,10-di(Chloromethyl)anthracene	274	C16H12Cl2	010387-13-0	64
4	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	62
5	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	62





Data Path : Z:\HPCHEM1\BNA_M\DATA\BM062217\
Data File : BM010671.D
Acq On : 22 Jun 2017 21:57
Operator : SJ/JU
Sample : I3558-17ME 5X
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F5D33ME

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM062017.M
Quant Title : SVOA CALIBRATION

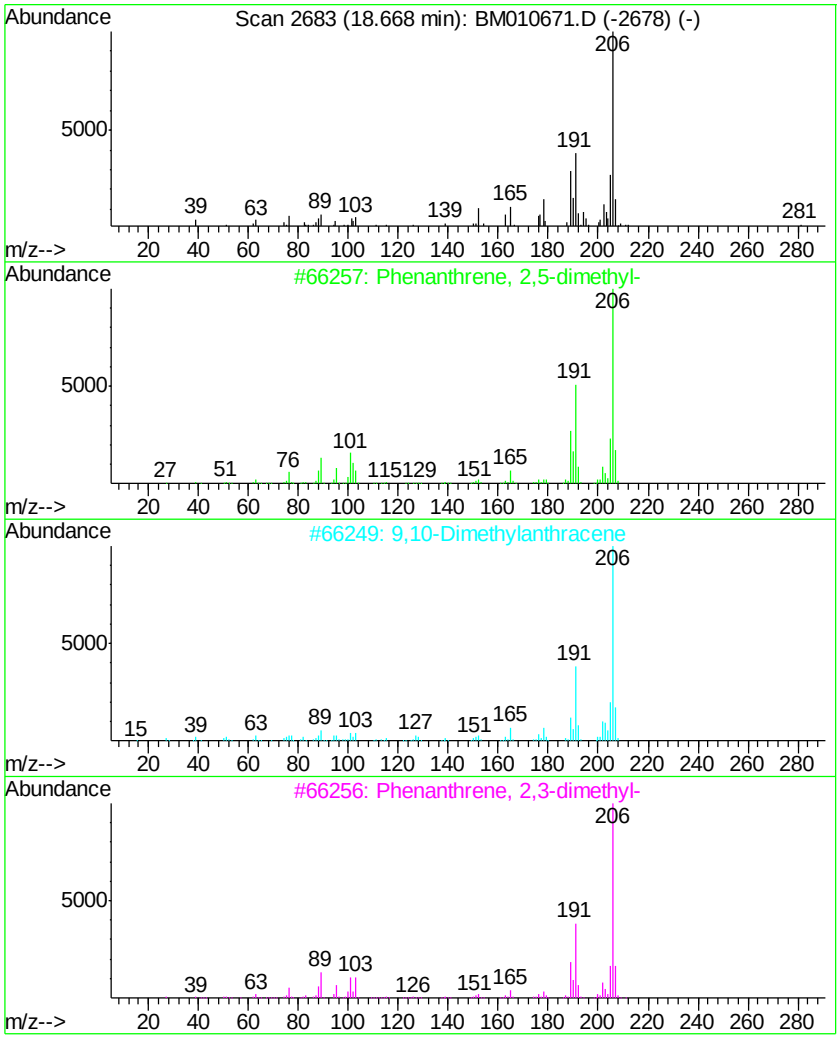
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

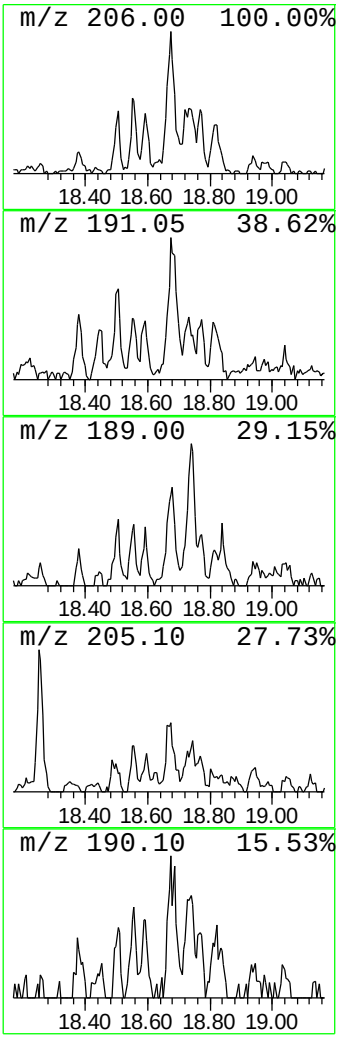
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.67	2.47 ng/ul	160900	Phenanthrene-d10	16.87

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	93
2	9,10-Dimethylanthracene	206	C16H14	000781-43-1	91
3	Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	87
4	9,10-Dimethylanthracene	206	C16H14	000781-43-1	83
5	3-Methyl-1-phenyl-1H-indene	206	C16H14	022360-63-0	81





Data Path : Z:\HPCHEM1\BNA_M\DATA\BM062217\
Data File : BM010671.D
Acq On : 22 Jun 2017 21:57
Operator : SJ/JU
Sample : I3558-17ME 5X
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F5D33ME

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM062017.M
Quant Title : SVOA CALIBRATION

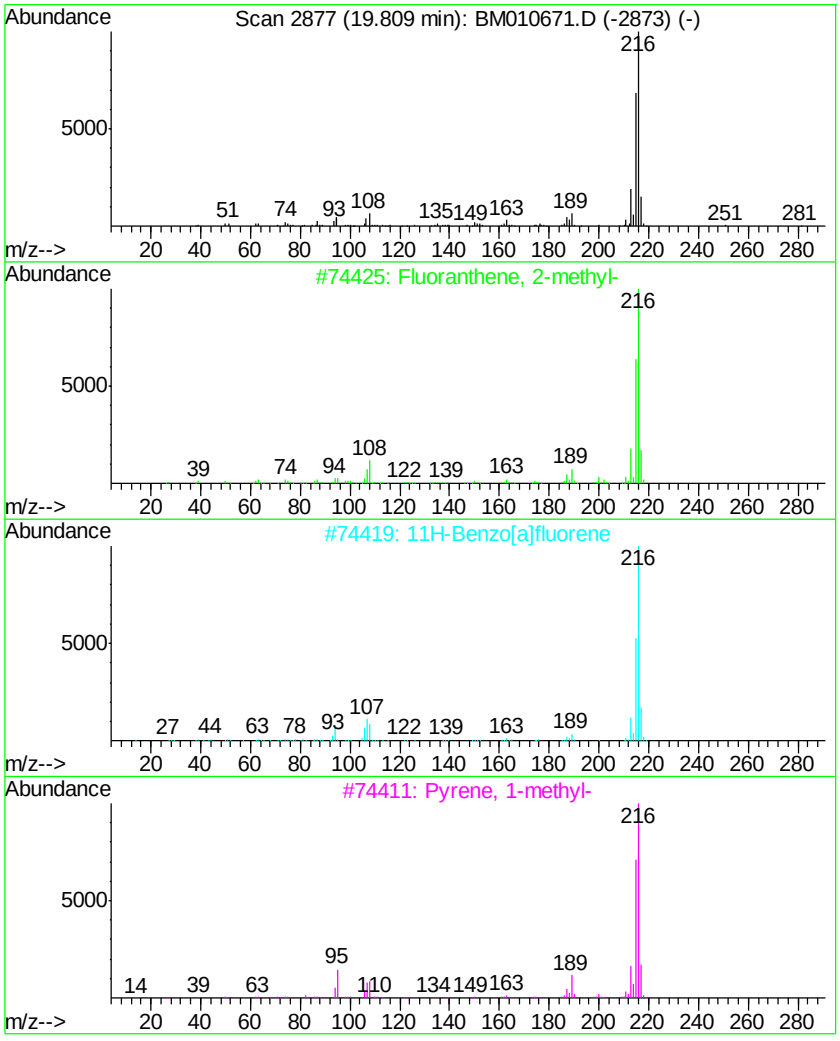
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

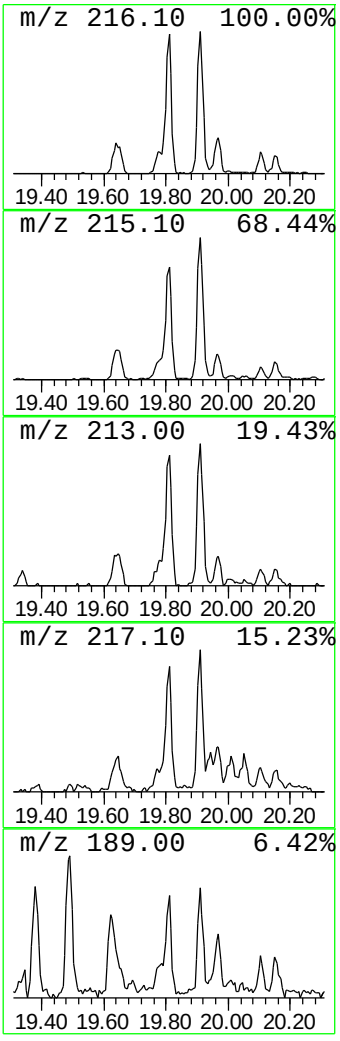
****

Peak Number 21 Fluoranthene, 2-methyl- Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.81	3.25 ng/ul	418550	Chrysene-d12	21.08

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	91
2	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	91
3	Pyrene, 1-methyl-	216	C17H12	002381-21-7	91
4	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	90
5	Pyrene, 2-methyl-	216	C17H12	003442-78-2	90





Data Path : Z:\HPCHEM1\BNA_M\DATA\BM062217\
Data File : BM010671.D
Acq On : 22 Jun 2017 21:57
Operator : SJ/JU
Sample : I3558-17ME 5X
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F5D33ME

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM062017.M
Quant Title : SVOA CALIBRATION

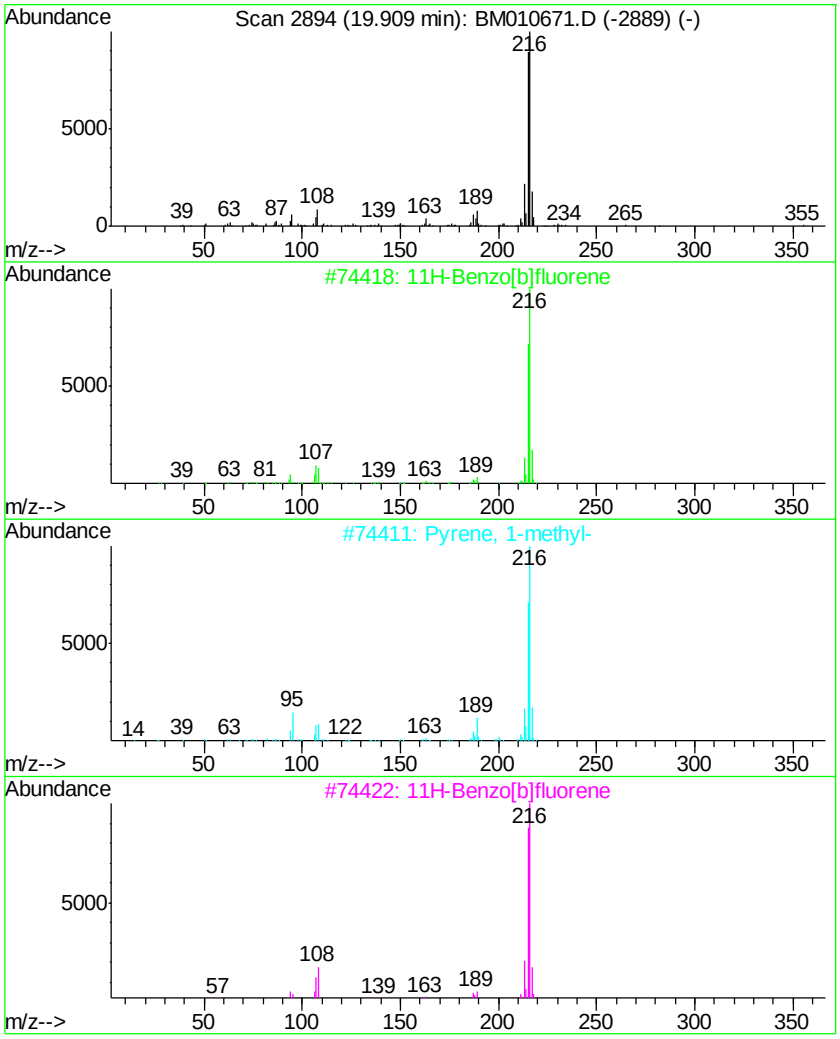
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

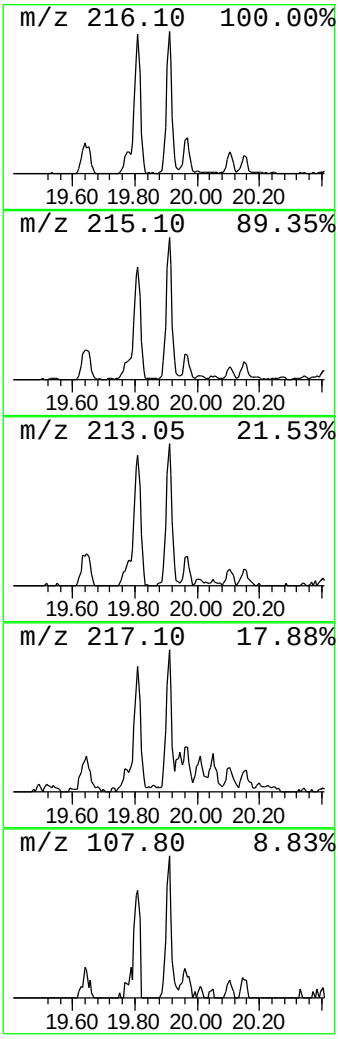
****

Peak Number 22 11H-Benzo[b]fluorene Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.91	3.46 ng/ul	445904	Chrysene-d12	21.08

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	93
4	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	87
5	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	87





Tentatively Identified Compound (LSC) summary

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM062217\
Data File : BM010671.D
Acq On : 22 Jun 2017 21:57
Operator : SJ/JU
Sample : I3558-17ME 5X
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F5D33ME

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM062017.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
Benzene, 1-propenyl-	7.83	3.1	ng/ul	65774	1	7.46	420192	20.0
1-Propyne, 3-phenyl-	7.99	5.4	ng/ul	113230	1	7.46	420192	20.0
Naphthalene, 1-me...	12.12	25.6	ng/ul	836294	2	10.23	652428	20.0
Naphthalene, 1-et...	13.13	2.7	ng/ul	151609	3	14.11	1112600	20.0
Naphthalene, 2,7-...	13.26	3.6	ng/ul	200704	3	14.11	1112600	20.0
Naphthalene, 2,6-...	13.43	6.5	ng/ul	359552	3	14.11	1112600	20.0
1,1'-Biphenyl, 2-...	15.33	3.0	ng/ul	169375	3	14.11	1112600	20.0
Dibenzofuran, 4-m...	15.47	4.4	ng/ul	242821	3	14.11	1112600	20.0
6H-Dibenzo[b,d]-p...	15.62	5.3	ng/ul	344796	4	16.87	1303420	20.0
9H-Fluorene, 2-me...	16.17	3.8	ng/ul	249981	4	16.87	1303420	20.0
Dibenzothiophene	16.69	5.3	ng/ul	347501	4	16.87	1303420	20.0
Phenanthrene, 1-m...	17.74	5.7	ng/ul	373138	4	16.87	1303420	20.0
Naphtho[2,3-b]nor...	17.87	3.4	ng/ul	222581	4	16.87	1303420	20.0
4H-Cyclopenta[def...	17.94	10.9	ng/ul	712932	4	16.87	1303420	20.0
Phenanthrene, 4-m...	17.97	2.2	ng/ul	142363	4	16.87	1303420	20.0
5,16[1',2']:8,13[...	18.25	3.5	ng/ul	227197	4	16.87	1303420	20.0
Phenanthrene, 2,5...	18.67	2.5	ng/ul	160900	4	16.87	1303420	20.0
Fluoranthene, 2-m...	19.81	3.3	ng/ul	418550	5	21.08	2577330	20.0
11H-Benzo[b]fluorene	19.91	3.5	ng/ul	445904	5	21.08	2577330	20.0