LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA M\DATA\BM012918\
Data File : BM013992.D
Acq On : 30 Jan 2018 11:54
Operator : SJ/JU
Sample : J1243-08DL 5X
Misc :
ALS Vial : 37 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F6B31DL

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-BM011018.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	4.722	289	295	300	rBV	67248	93304	2.52%	0.251%
2	6.769	637	643	654	rBV2	49275	121796	3.29%	0.327%
3	6.922	664	669	676	rBV2	40140	70059	1.90%	0.188%
4	7.110	694	701	711	rBV	79074	142815	3.86%	0.384%
5	7.569	772	779	790	rBV2	387789	676683	18.30%	1.818%
6	8.298	898	903	915	rBV3	62542	148094	4.01%	0.398%
7	8.739	970	978	989	rBV	60579	141887	3.84%	0.381%
8	9.451	1094	1099	1111	rBV3	56190	114538	3.10%	0.308%
9	9.998	1185	1192	1205	rBV4	67939	173438	4.69%	0.466%
10	10.339	1240	1250	1255	rBV	517794	942199	25.49%	2.531%
11	10.392	1255	1259	1269	rVV	286475	501406	13.56%	1.347%
12	10.510	1273	1279	1288	rVB2	63628	132670	3.59%	0.356%
13	11.186	1387	1394	1406	rBV2	143744	323242	8.74%	0.868%
14	11.774	1487	1494	1498	rBV3	28774	49972	1.35%	0.134%
15	12.016	1529	1535	1546	rBV	292599	506413	13.70%	1.360%
16	12.163	1553	1560	1567	rBV2	28884	68220	1.85%	0.183%
17	12.239	1567	1573	1579	rVB	176215	309629	8.38%	0.832%
18	12.780	1661	1665	1674	rVB3	33967	70841	1.92%	0.190%
19	13.039	1705	1709	1721	rVB4	81701	172263	4.66%	0.463%
20	13.245	1740	1744	1754	rVB2	42977	79709	2.16%	0.214%
21	13.380	1762	1767	1778	rBV4	69316	177516	4.80%	0.477%
22	13.539	1787	1794	1799	rBV	108482	196195	5.31%	0.527%
23	13.592	1799	1803	1807	rVV2	74284	124185	3.36%	0.334%
24	13.639	1807	1811	1816	rVV	202802	310943	8.41%	0.835%
25	13.692	1816	1820	1826	rVB3	62505	115405	3.12%	0.310%
26	13.780	1831	1835	1838	rBV2	31507	42687	1.15%	0.115%
27	13.916	1852	1858	1861	rBV	226514	348984	9.44%	0.937%
28	14.127	1888	1894	1900	rBV	92908	144984	3.92%	0.389%
29	14.221	1900	1910	1916	rVV4	851371	1506500	40.75%	4.047%
30	14.286	1916	1921	1930	rVB	231662	367083	9.93%	0.986%
31	14.374	1930	1936	1943	rBV5	37176	78115	2.11%	0.210%
32	14.510	1953	1959	1962	rBV7	23041	51024	1.38%	0.137%
33	14.627	1973	1979	1987	rVB	558490	838384	22.68%	2.252%
34	14.757	1996	2001	2006	rVB5	39048	63234	1.71%	0.170%

LSC Area Percent Report

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Operator : SJ/JU
Sample : J1243-08DL 5X
Misc :
ALS Vial : 37 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F6B31DL

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-BM011018.M
Title : SVOA CALIBRATION

35	14.851	2013	2017	2023	rBV7	35207	61200	1.66%	0.164%
36	15.086	2052	2057	2063	rVB	121528	169367	4.58%	0.455%
37	15.221	2075	2080	2085	rBV	308179	459438	12.43%	1.234%
38	15.280	2085	2090	2099	rVV	205364	327271	8.85%	0.879%
39	15.380	2103	2107	2114	rBV9	56396	133231	3.60%	0.358%
40	15.492	2121	2126	2129	rBV3	40002	56164	1.52%	0.151%
41	15.574	2136	2140	2150	rBV3	122021	247675	6.70%	0.665%
42	15.692	2155	2160	2163	rVV	335245	440109	11.90%	1.182%
43	15.727	2163	2166	2172	rVB	124115	222531	6.02%	0.598%
44	15.951	2197	2204	2206	rBV2	142055	206428	5.58%	0.555%
45	16.015	2211	2215	2221	rVB2	173420	242292	6.55%	0.651%
46	16.251	2249	2255	2257	rBV6	23983	45002	1.22%	0.121%
47	16.509	2292	2299	2303	rBV7	37834	85003	2.30%	0.228%
48	16.557	2303	2307	2310	rVB4	38288	55087	1.49%	0.148%
49	16.639	2315	2321	2328	rVV2	733142	1197694	32.40%	3.217%
50	16.745	2330	2339	2344	rVV5	147090	387883	10.49%	1.042%
51	16.798	2344	2348	2355	rVB	200764	306186	8.28%	0.822%
52	16.886	2357	2363	2366	rBV2	101958	142877	3.86%	0.384%
53	16.980	2373	2379	2382	rBV	1128481	1701542	46.02%	4.571%
54	17.021	2382	2386	2391	rVV	2672759	3697028	100.00%	9.931%
55	17.080	2391	2396	2399	rVV2	385811	655194	17.72%	1.760%
56	17.109	2399	2401	2410	rVV	289529	430520	11.65%	1.156%
57	17.204	2410	2417	2423	rVB2	132945	235079	6.36%	0.631%
58	17.392	2441	2449	2457	rBV2	197092	437228	11.83%	1.174%
59	17.480	2460	2464	2474	rBV4	103963	231027	6.25%	0.621%
60	17.574	2476	2480	2486	rVB7	61038	112773	3.05%	0.303%
61	17.704	2498	2502	2507	rVB6	31918	53901	1.46%	0.145%
62	17.762	2507	2512	2520	rBV6	48271	99318	2.69%	0.267%
63	17.856	2522	2528	2531	rBV	165368	257068	6.95%	0.691%
64	17.904	2531	2536	2543	rVB	247131	400098	10.82%	1.075%
65	17.986	2547	2550	2556	rBV5	46596	65450	1.77%	0.176%
66	18.045	2556	2560	2564	rBV3	187221	315074	8.52%	0.846%
67	18.174	2578	2582	2589	rVB	95464	108660	2.94%	0.292%
68	18.362	2609	2614	2618	rBV	127072	185689	5.02%	0.499%
69	18.415	2619	2623	2627	rVB2	86711	116766	3.16%	0.314%
70	18.609	2653	2656	2662	rBV8	30348	47267	1.28%	0.127%
71	18.674	2663	2667	2670	rBV5	57987	84545	2.29%	0.227%

LSC Area Percent Report

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Acq On : 30 Jan 2018 11:54
Operator : SJ/JU
Sample : J1243-08DL 5X
Misc :
ALS Vial : 37 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F6B31DL

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-BM011018.M
Title : SVOA CALIBRATION

72	18.780	2683	2685	2688	rBV3	40780	41648	1.13%	0.112%
73	18.815	2688	2691	2694	rVB3	72799	81093	2.19%	0.218%
74	18.933	2706	2711	2716	rBV	134319	225302	6.09%	0.605%
75	19.045	2723	2730	2738	rBV	2272158	3044962	82.36%	8.179%
76	19.115	2738	2742	2744	rVV4	30330	40918	1.11%	0.110%
77	19.150	2745	2748	2755	rVB6	49295	87832	2.38%	0.236%
78	19.286	2765	2771	2777	rBV3	61846	113742	3.08%	0.306%
79	19.380	2782	2787	2789	rBV	727174	1068653	28.91%	2.871%
80	19.409	2789	2792	2801	rVV	1620521	2171688	58.74%	5.834%
81	19.486	2801	2805	2812	rVB	67665	108622	2.94%	0.292%
82	19.598	2820	2824	2829	rVB	75545	109469	2.96%	0.294%
83	19.662	2831	2835	2839	rBV	59882	100570	2.72%	0.270%
84	19.721	2842	2845	2848	rBV2	100689	134215	3.63%	0.361%
85	19.874	2868	2871	2875	rBV5	52912	107573	2.91%	0.289%
86	19.915	2875	2878	2888	rVB4	86544	175934	4.76%	0.473%
87	20.015	2892	2895	2898	rBV2	39086	39137	1.06%	0.105%
88	20.068	2900	2904	2908	rBV2	70824	102302	2.77%	0.275%
89	20.209	2926	2928	2931	rVB3	39959	39385	1.07%	0.106%
90	20.433	2964	2966	2970	rBV4	47858	58286	1.58%	0.157%
91	20.674	3003	3007	3011	rVB	95818	128718	3.48%	0.346%
92	20.827	3030	3033	3035	rBV3	58483	63240	1.71%	0.170%
93	20.868	3037	3040	3043	rVV4	68489	82380	2.23%	0.221%
94	20.903	3043	3046	3053	rVV4	104388	174292	4.71%	0.468%
95	20.968	3054	3057	3062	rVB	87431	98904	2.68%	0.266%
96	21.180	3087	3093	3097	rBV2	1810950	2518486	68.12%	6.765%
97	21.215	3097	3099	3104	rVB	217460	280420	7.59%	0.753%
98	22.721	3351	3355	3360	rBV2	91581	164883	4.46%	0.443%
99	23.227	3436	3441	3447	rBV2	366592	689760	18.66%	1.853%
100	23.362	3458	3464	3472	rVB	1052896	1951140	52.78%	5.241%

Sum of corrected areas: 37227636

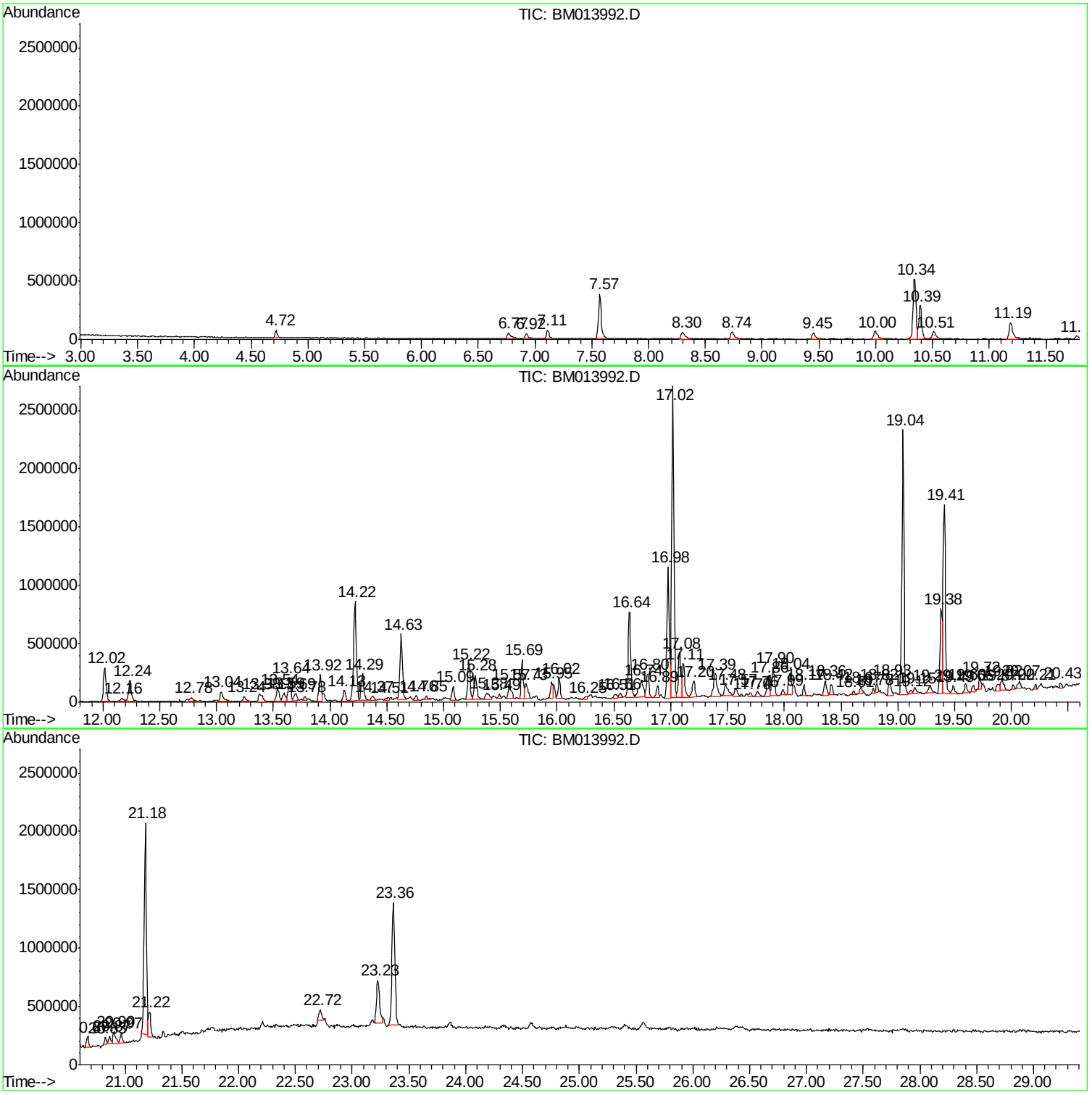
LSC Report - Integrated Chromatogram

Data Path : Z:\HPCHEM1\BNA M\DATA\BM012918\
Data File : BM013992.D
Acq On : 30 Jan 2018 11:54
Operator : SJ/JU
Sample : J1243-08DL 5X
Misc :
ALS Vial : 37 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F6B31DL

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM011018.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\BM012918\
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Sample : J1243-08DL 5X
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Instrument : BNA_M
ClientSampleId : F6B31DL

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM011018.M
Quant Title : SVOA CALIBRATION

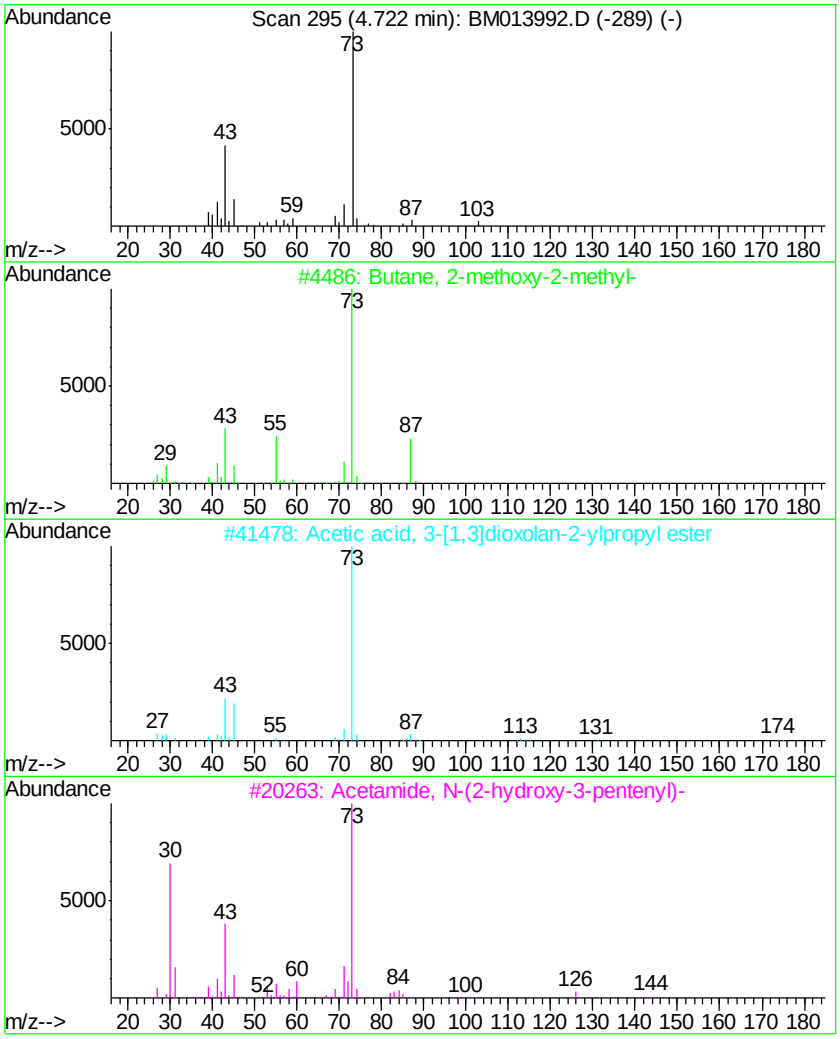
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

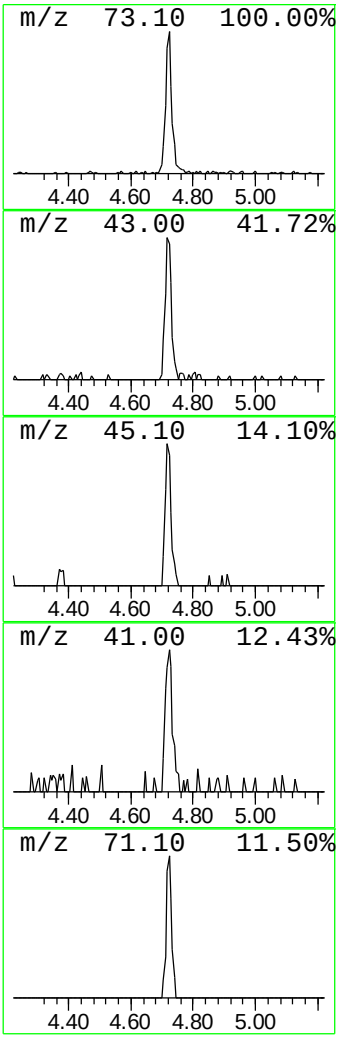
****

Peak Number 1 Butane, 2-methoxy-2-methyl- Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.72	2.76 ng/ul	93304	1,4-Dichlorobenzene-d4	7.57

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Butane, 2-methoxy-2-methyl-	102	C6H14O	000994-05-8	59
2	Acetic acid, 3-[1,3]dioxolan-2-y...	174	C8H14O4	1000186-02-3	40
3	Acetamide, N-(2-hydroxy-3-penten...	143	C7H13NO2	093393-95-4	38
4	2-Methyl-5-hexen-3-ol	114	C7H14O	032815-70-6	36
5	1,3-Dioxolane, 2-(1-methylpropyl)-	130	C7H14O2	014447-25-7	28





Data Path : Z:\HPCHEM1\BNA M\DATA\BM012918\
Data File : BM013992.D
Acq On : 30 Jan 2018 11:54
Operator : SJ/JU
Sample : J1243-08DL 5X
Misc :
ALS Vial : 37 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F6B31DL

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM011018.M
Quant Title : SVOA CALIBRATION

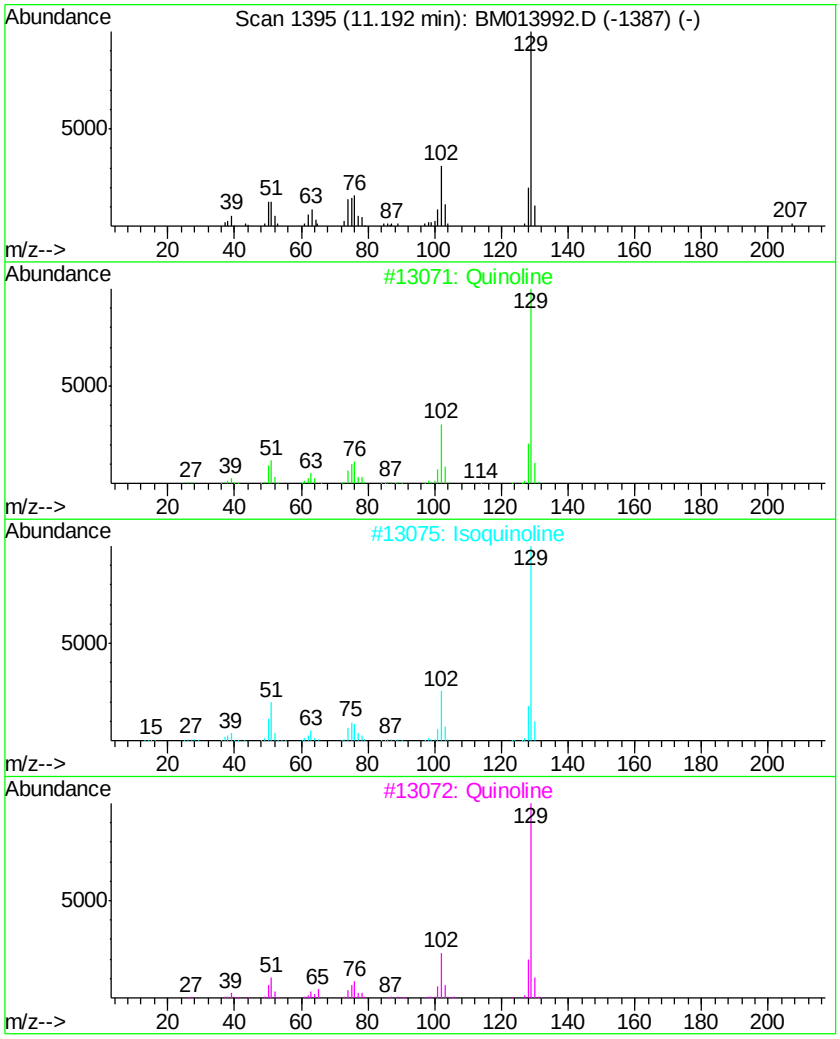
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

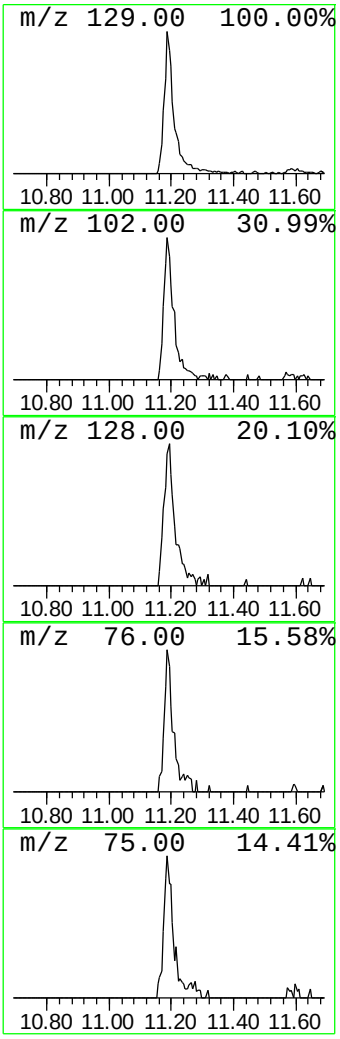
****

Peak Number 2 Quinoline Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.19	6.86 ng/ul	323242	Naphthalene-d8	10.35

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Quinoline	129	C9H7N	000091-22-5	96
2	Isoquinoline	129	C9H7N	000119-65-3	93
3	Quinoline	129	C9H7N	000091-22-5	87
4	Isoquinoline	129	C9H7N	000119-65-3	87
5	Isoquinoline	129	C9H7N	000119-65-3	83





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA M\DATA\BM012918\
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Sample : J1243-08DL 5X
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Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
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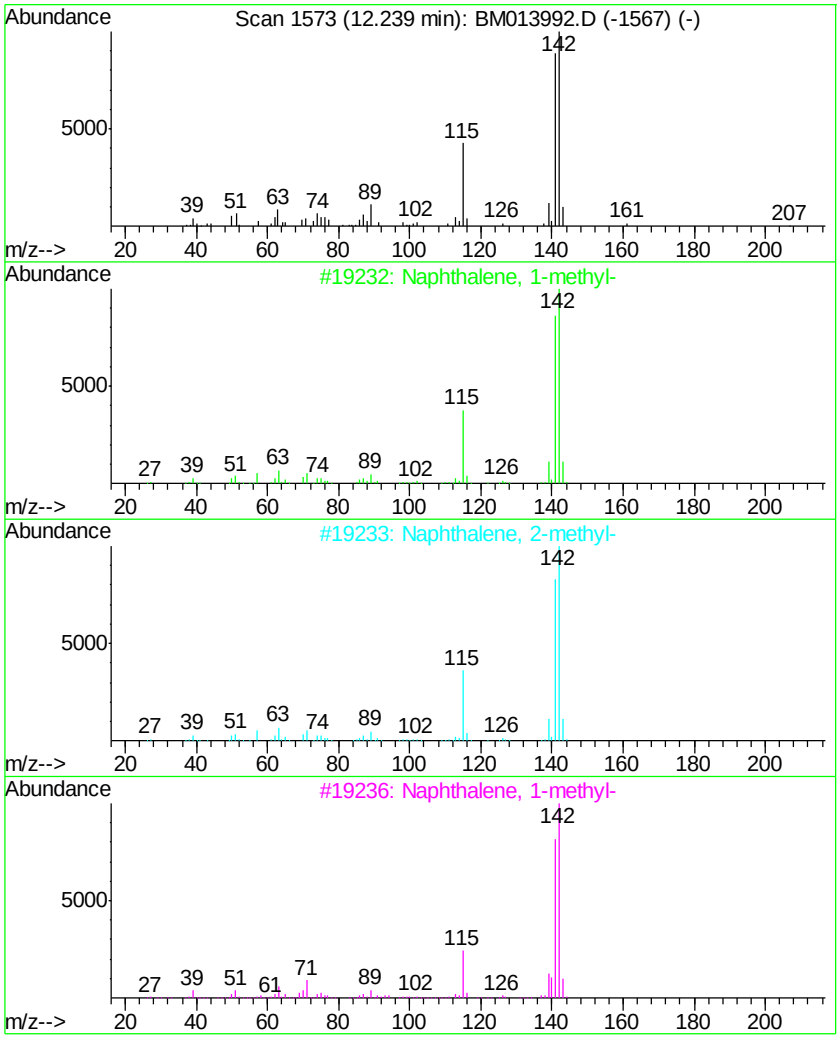
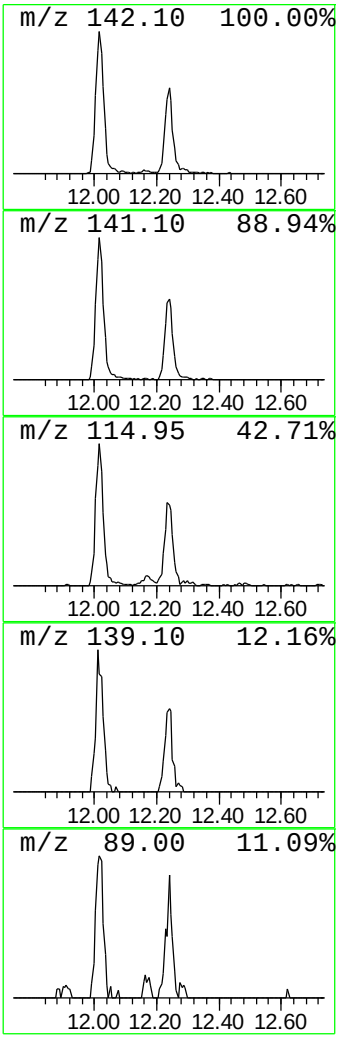
****

Peak Number 3 Naphthalene, 1-methyl- Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.24	6.57 ng/ul	309629	Naphthalene-d8	10.35

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, 2-methyl-	142	C11H10	000091-57-6	91
5	Naphthalene, 1-methyl-	142	C11H10	000090-12-0	91





Data Path : Z:\HPCHEM1\BNA M\DATA\BM012918\
Data File : BM013992.D
Acq On : 30 Jan 2018 11:54
Operator : SJ/JU
Sample : J1243-08DL 5X
Misc :
ALS Vial : 37 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F6B31DL

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM011018.M
Quant Title : SVOA CALIBRATION

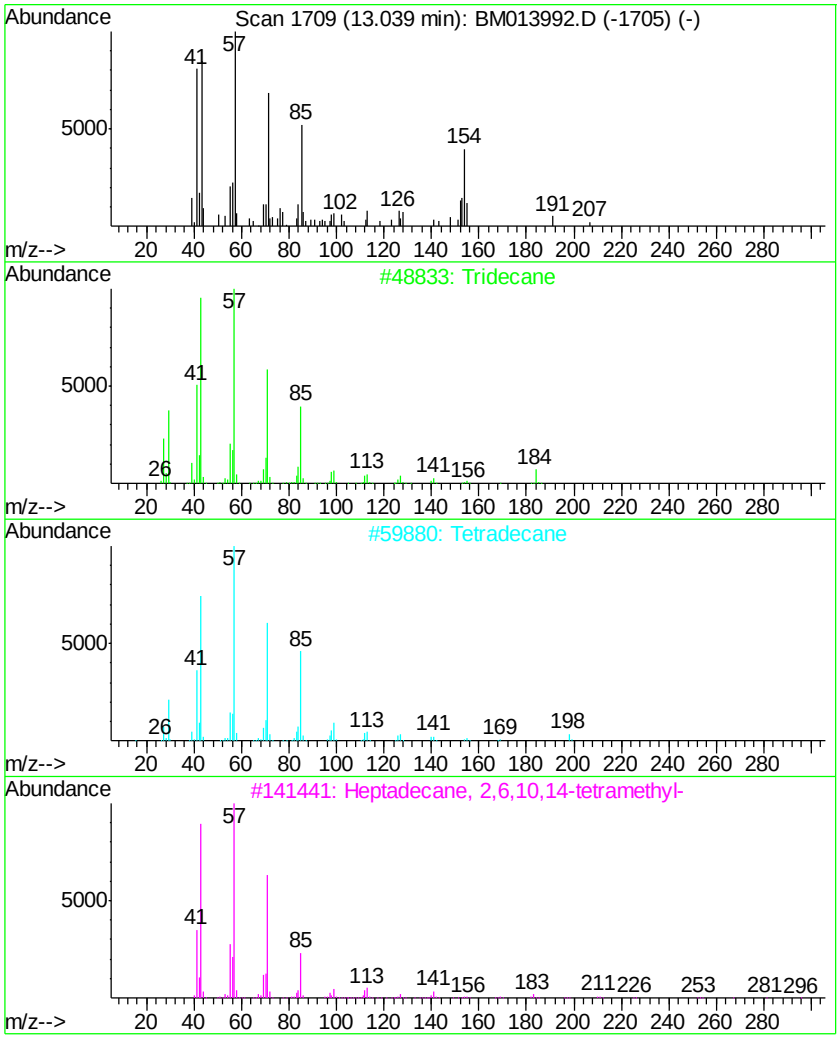
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

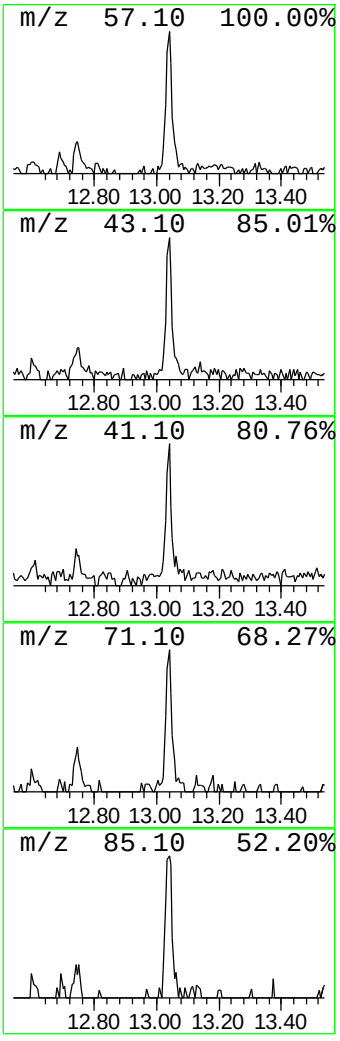
****

Peak Number 4 (DEL) Alkane: Straight-Chai... Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.04	2.29 ng/ul	172263	Acenaphthene-d10	14.22

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Tridecane	184	C13H28	000629-50-5	49
2	Tetradecane	198	C14H30	000629-59-4	46
3	Heptadecane, 2,6,10,14-tetramethyl-	296	C21H44	018344-37-1	43
4	Tetradecane	198	C14H30	000629-59-4	43
5	Heneicosane	296	C21H44	000629-94-7	43





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA M\DATA\BM012918\
Data File : BM013992.D
Acq On : 30 Jan 2018 11:54
Operator : SJ/JU
Sample : J1243-08DL 5X
Misc :
ALS Vial : 37 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F6B31DL

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM011018.M
Quant Title : SVOA CALIBRATION

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

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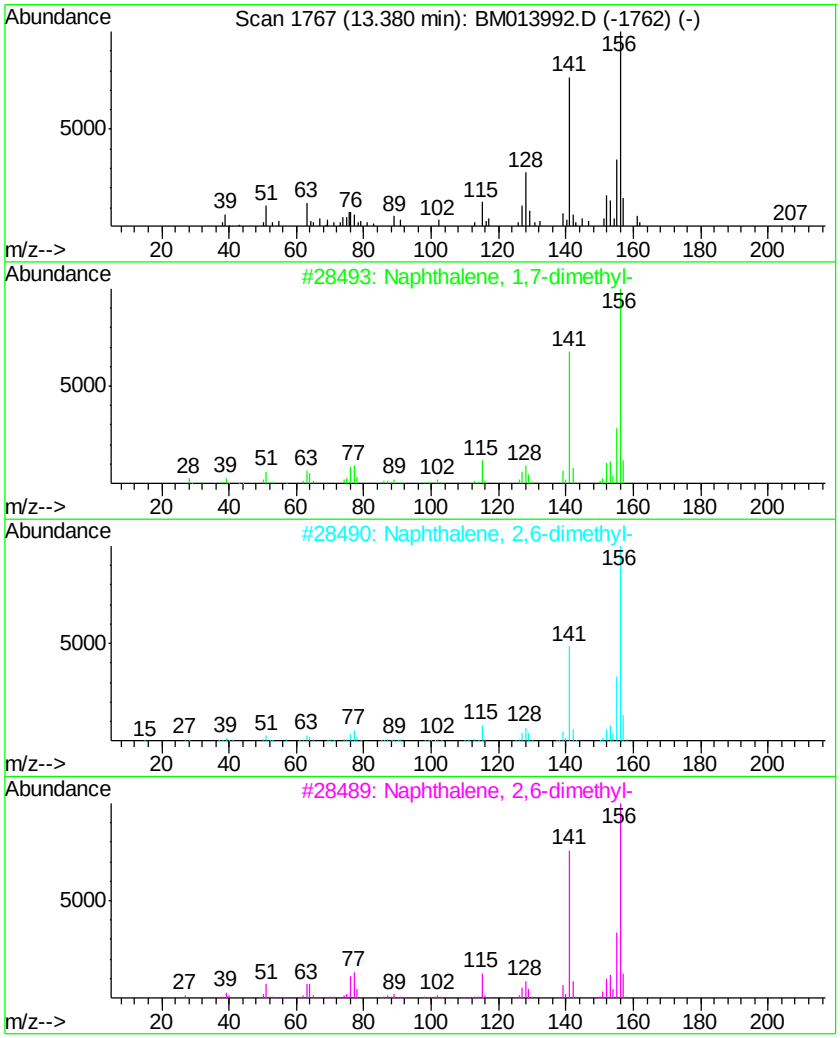
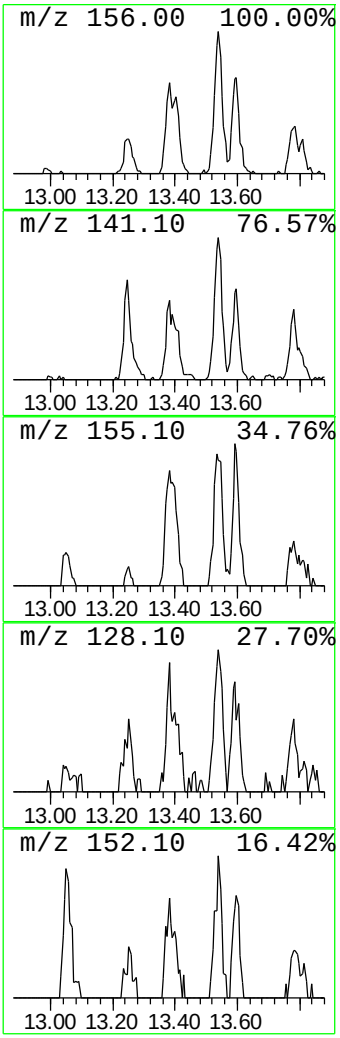
Peak Number 5 Naphthalene, 1,7-dimethyl- Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.38	2.36 ng/ul	177516	Acenaphthene-d10	14.22

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1,7-dimethyl-	156	C12H12	000575-37-1	93
2	Naphthalene, 2,6-dimethyl-	156	C12H12	000581-42-0	93
3	Naphthalene, 2,6-dimethyl-	156	C12H12	000581-42-0	91
4	Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	90
5	Naphthalene, 1,7-dimethyl-	156	C12H12	000575-37-1	90





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Acq On : 30 Jan 2018 11:54
Operator : SJ/JU
Sample : J1243-08DL 5X
Misc :
ALS Vial : 37 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F6B31DL

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Quant Title : SVOA CALIBRATION

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

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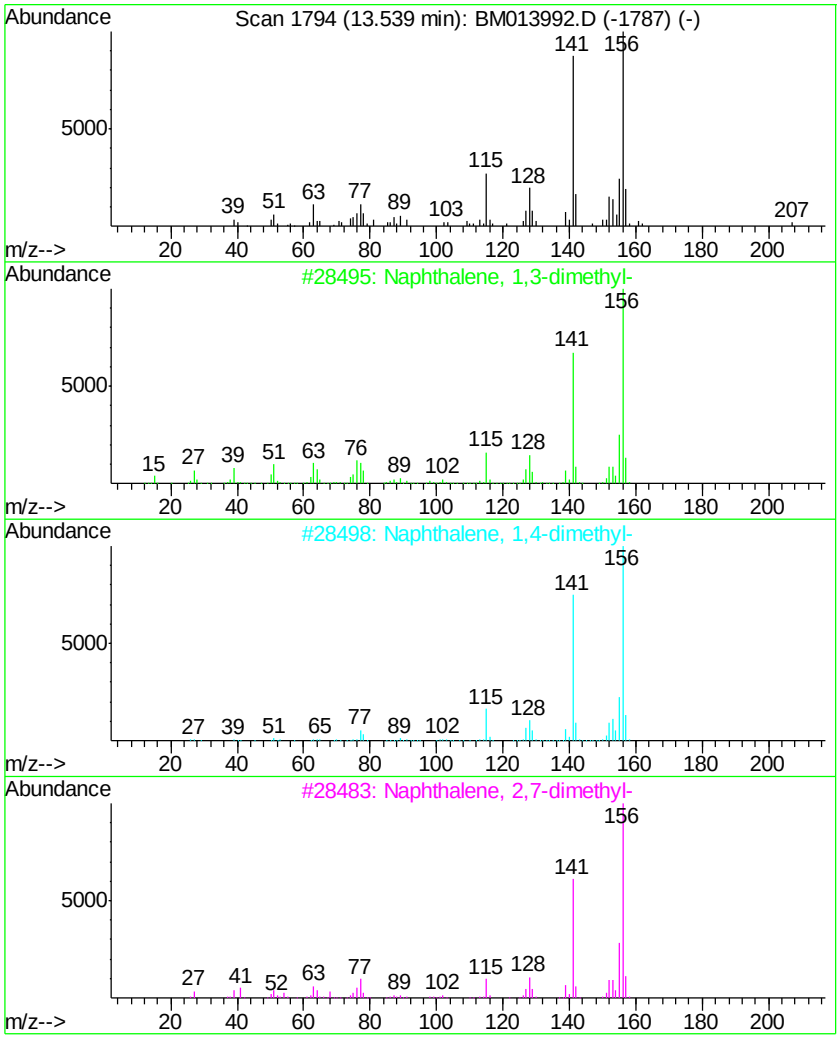
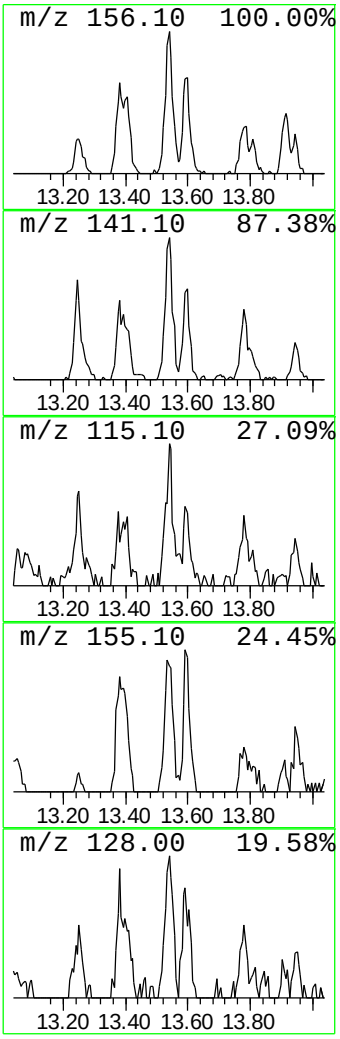
Peak Number 6 Naphthalene, 1,3-dimethyl- Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.54	2.60 ng/ul	196195	Acenaphthene-d10	14.22

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1,3-dimethyl-	156	C12H12	000575-41-7	95
2	Naphthalene, 1,4-dimethyl-	156	C12H12	000571-58-4	94
3	Naphthalene, 2,7-dimethyl-	156	C12H12	000582-16-1	94
4	Naphthalene, 1,3-dimethyl-	156	C12H12	000575-41-7	94
5	Naphthalene, 1,7-dimethyl-	156	C12H12	000575-37-1	94





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ALS Vial : 37 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F6B31DL

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Quant Title : SVOA CALIBRATION

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

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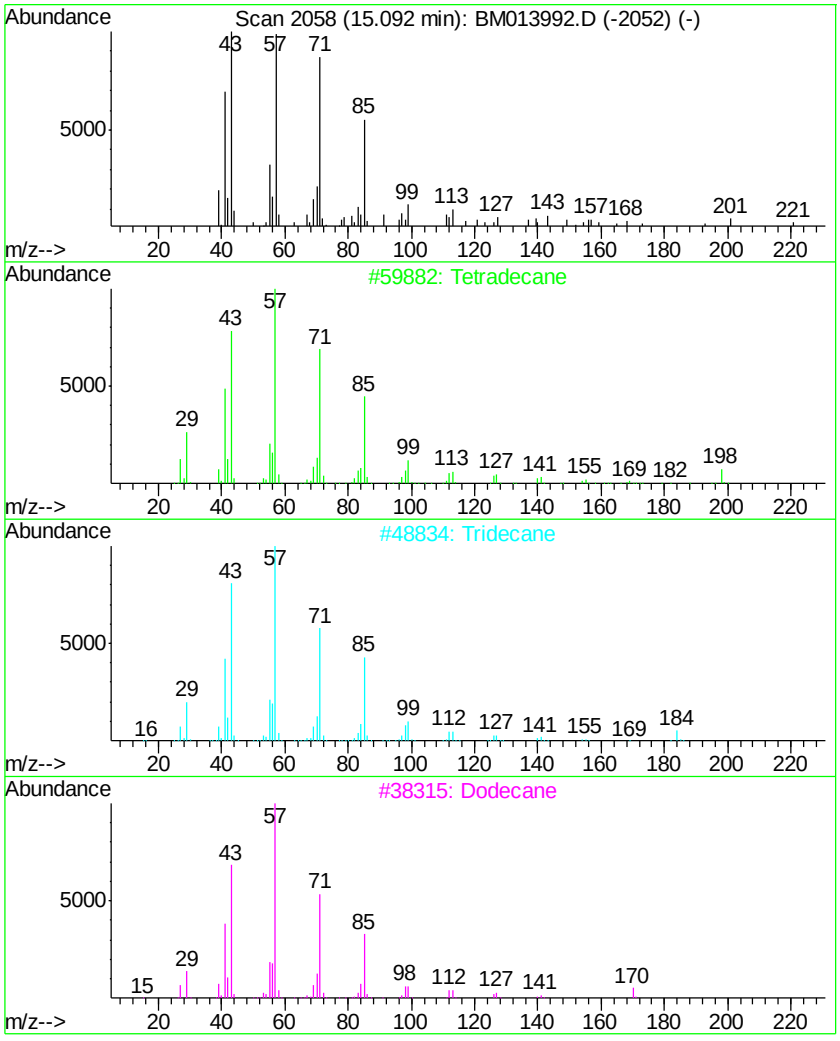
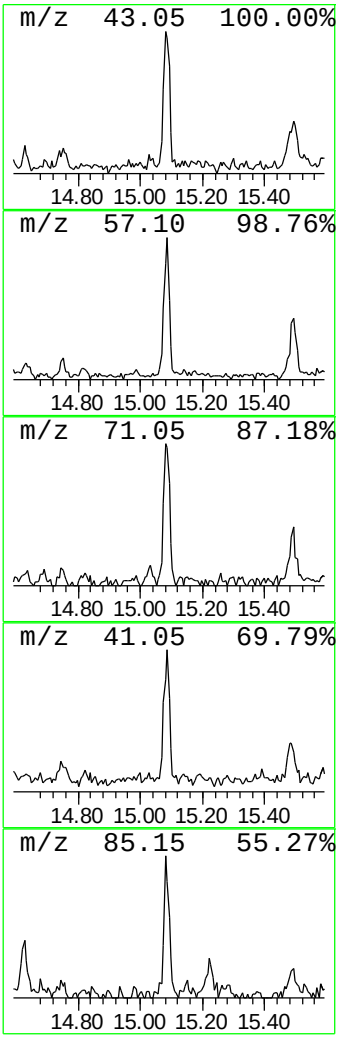
Peak Number 7 (DEL) Alkane: Straight-Chai... Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.09	2.25 ng/ul	169367	Acenaphthene-d10	14.22

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Tetradecane	198	C14H30	000629-59-4	87
2	Tridecane	184	C13H28	000629-50-5	86
3	Dodecane	170	C12H26	000112-40-3	86
4	Tetradecane	198	C14H30	000629-59-4	86
5	Octadecane	254	C18H38	000593-45-3	86





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Sample : J1243-08DL 5X
Misc :
ALS Vial : 37 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F6B31DL

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Quant Title : SVOA CALIBRATION

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

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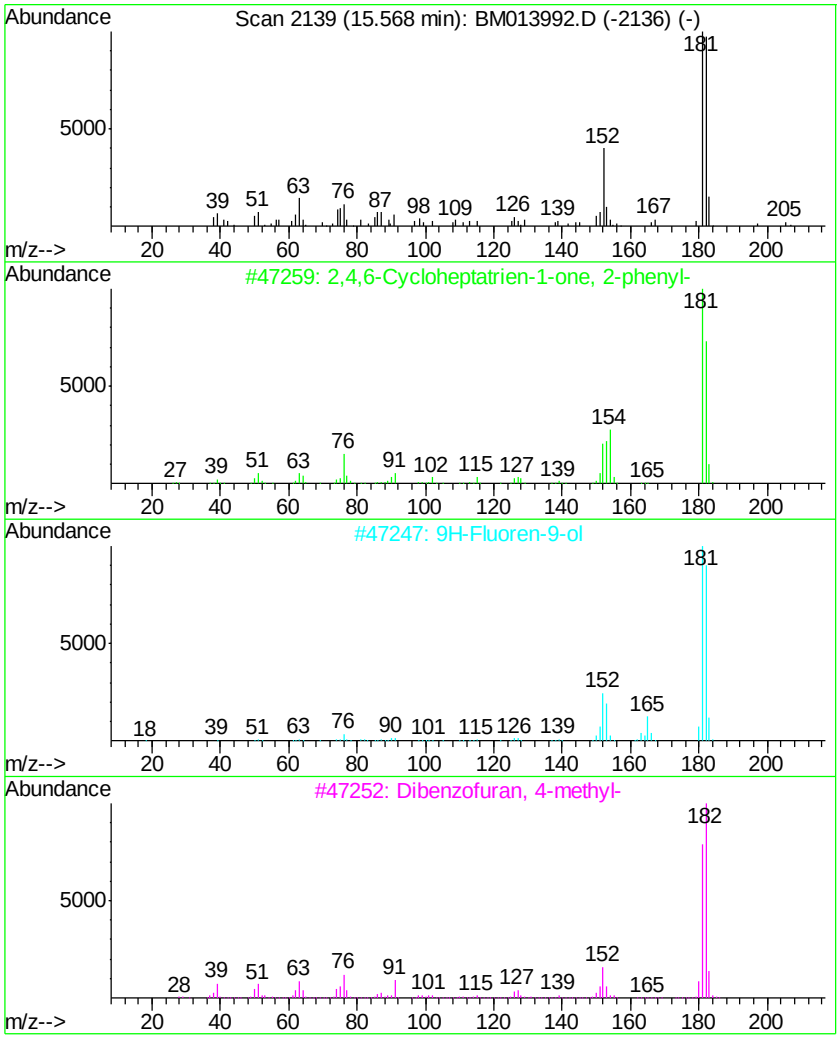
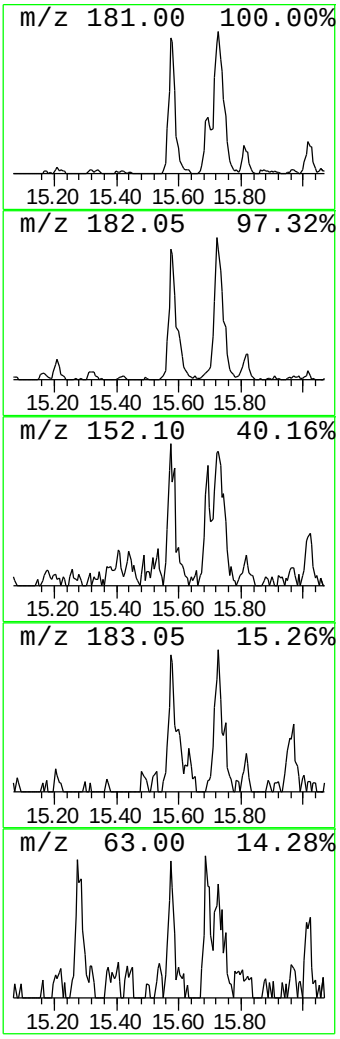
Peak Number 8 2,4,6-Cycloheptatrien-1-one... Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.57	3.29 ng/ul	247675	Acenaphthene-d10	14.22

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2,4,6-Cycloheptatrien-1-one, 2-p...	182	C13H10O	014562-09-5	86
2	9H-Fluoren-9-ol	182	C13H10O	001689-64-1	78
3	Dibenzofuran, 4-methyl-	182	C13H10O	007320-53-8	72
4	Pyrido[2,3-b]indole, 6-methyl-	182	C12H10N2	108349-67-3	72
5	Benzaldehyde, 4-hydroxy-3,5-dime...	182	C9H10O4	000134-96-3	64





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Sample : J1243-08DL 5X
Misc :
ALS Vial : 37 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F6B31DL

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM011018.M
Quant Title : SVOA CALIBRATION

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

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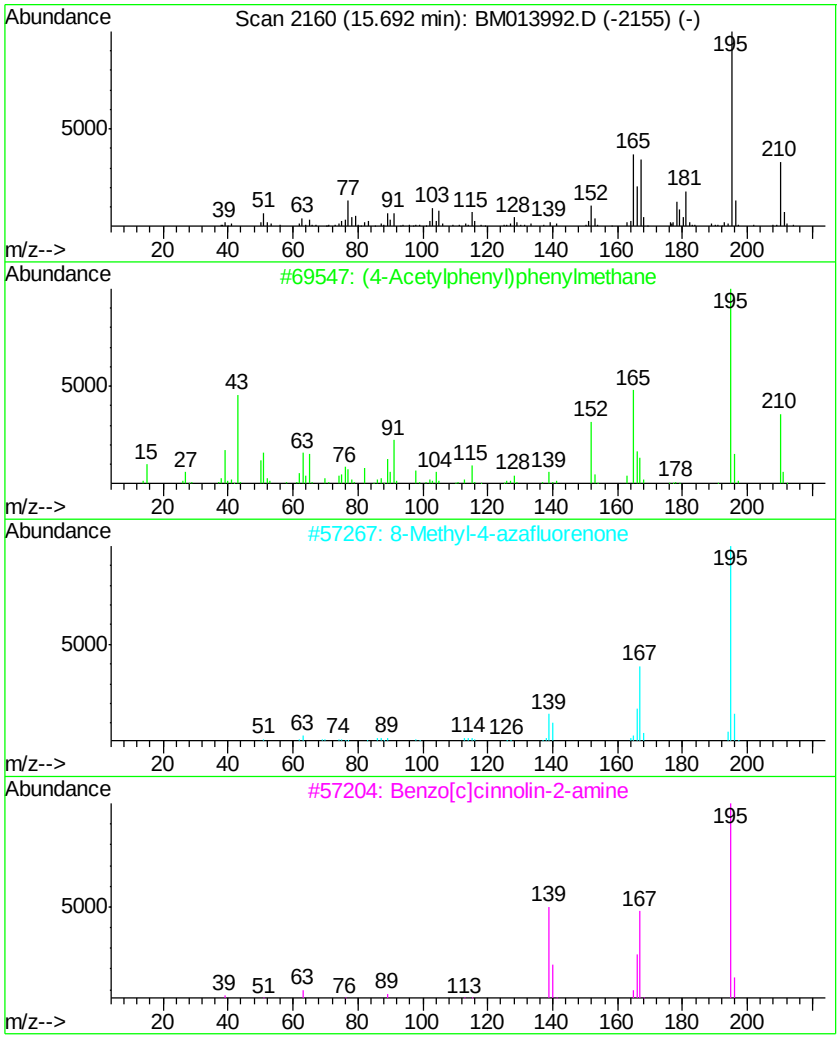
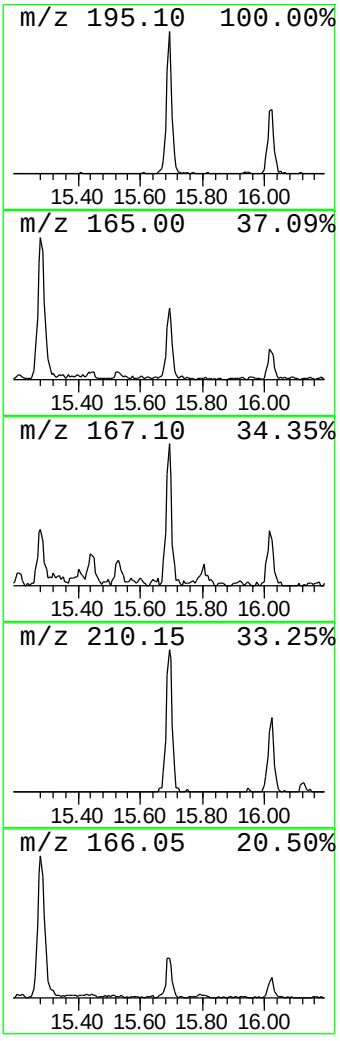
Peak Number 9 (4-Acetylphenyl)phenylmethane Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.69	5.17 ng/ul	440109	Phenanthrene-d10	16.98

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	(4-Acetylphenyl)phenylmethane	210	C15H14O	000782-92-3	70
2	8-Methyl-4-azafluorenone	195	C13H9NO	064292-03-1	49
3	Benzo[c]cinnolin-2-amine	195	C12H9N3	004827-07-0	49
4	2',3',4',5',6'-Pentafluoroacetop...	210	C8H3F5O	000652-29-9	47
5	Dibenz[b,f][1,4]oxazepine	195	C13H9NO	000257-07-8	47





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Acq On : 30 Jan 2018 11:54
Operator : SJ/JU
Sample : J1243-08DL 5X
Misc :
ALS Vial : 37 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F6B31DL

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Quant Title : SVOA CALIBRATION

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

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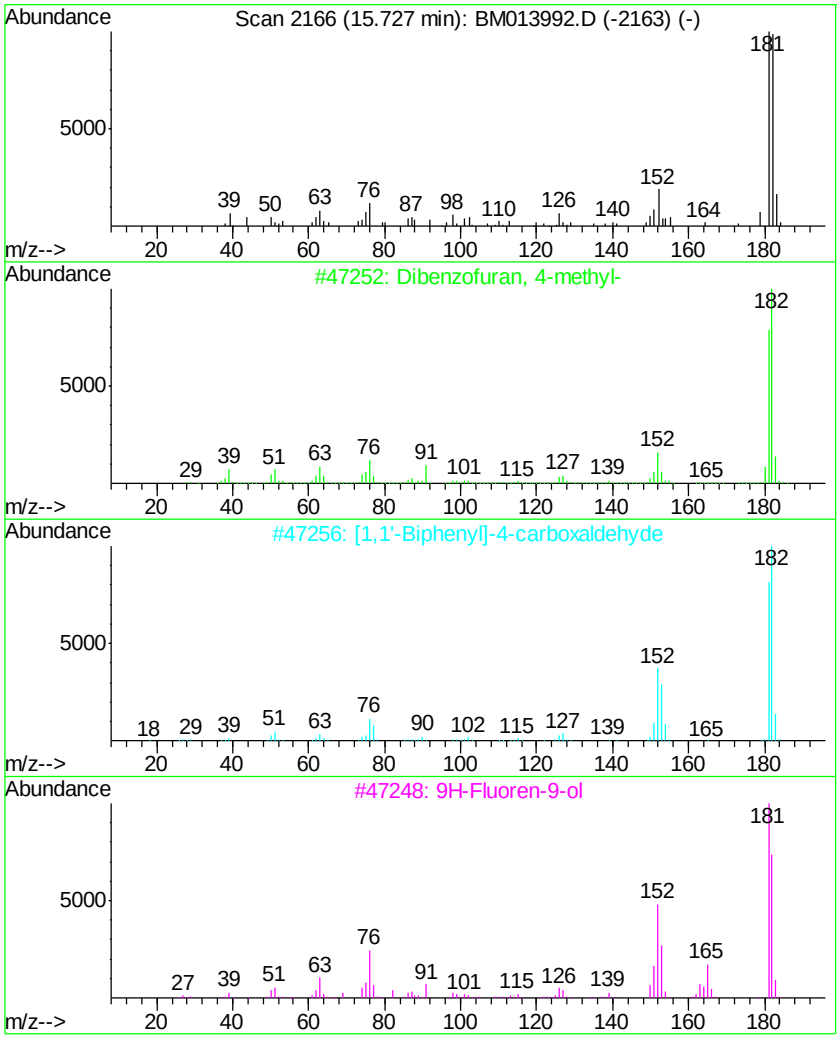
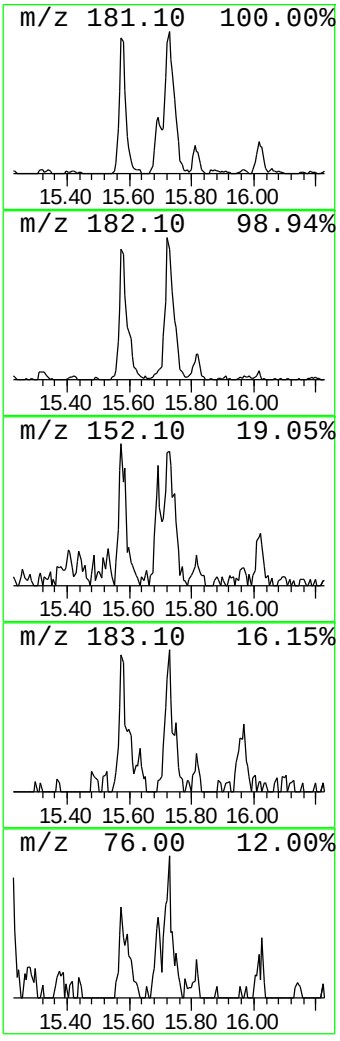
Peak Number 10 Dibenzofuran, 4-methyl- Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.73	2.62 ng/ul	222531	Phenanthrene-d10	16.98

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dibenzofuran, 4-methyl-	182	C13H10O	007320-53-8	87
2	[1,1'-Biphenyl]-4-carboxaldehyde	182	C13H10O	003218-36-8	78
3	9H-Fluoren-9-ol	182	C13H10O	001689-64-1	78
4	Pyrido[2,3-b]indole, 6-methyl-	182	C12H10N2	108349-67-3	72
5	9H-Fluoren-9-ol	182	C13H10O	001689-64-1	72





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Sample : J1243-08DL 5X
Misc :
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Instrument : BNA_M
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Quant Title : SVOA CALIBRATION

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

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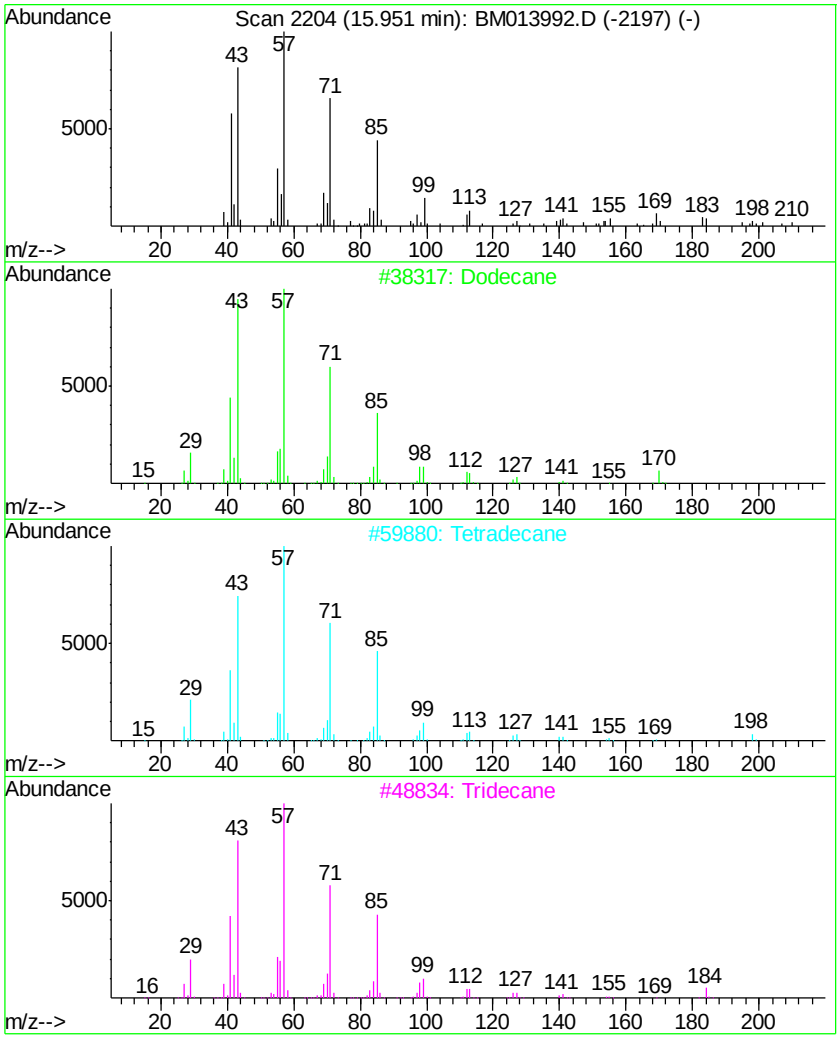
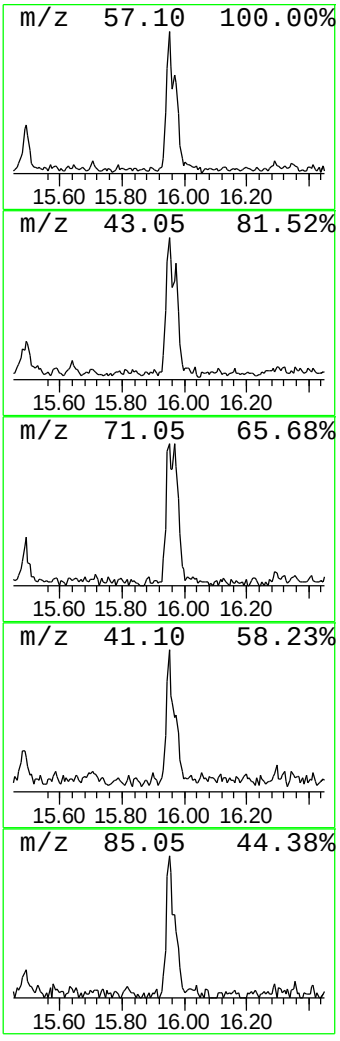
Peak Number 11 (DEL) Alkane: Straight-Chai... Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.95	2.43 ng/ul	206428	Phenanthrene-d10	16.98

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dodecane	170	C12H26	000112-40-3	91
2	Tetradecane	198	C14H30	000629-59-4	91
3	Tridecane	184	C13H28	000629-50-5	87
4	Dodecane	170	C12H26	000112-40-3	87
5	Tridecane	184	C13H28	000629-50-5	87





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Sample : J1243-08DL 5X
Misc :
ALS Vial : 37 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F6B31DL

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM011018.M
Quant Title : SVOA CALIBRATION

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

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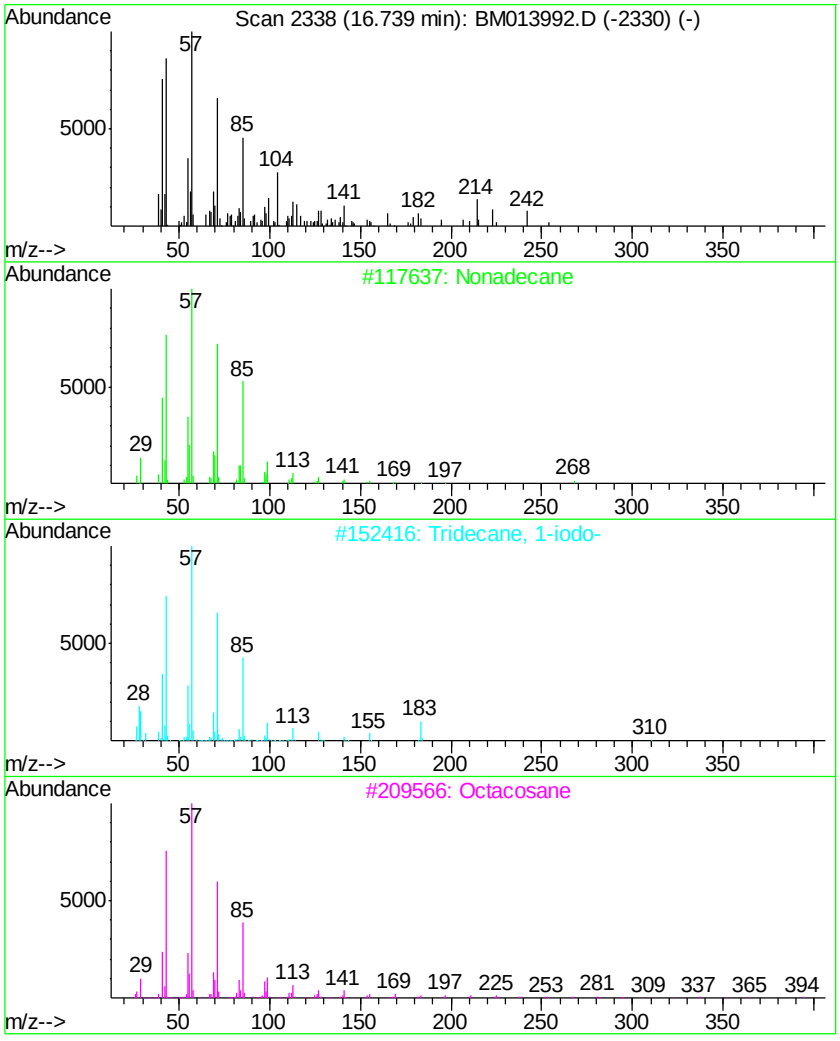
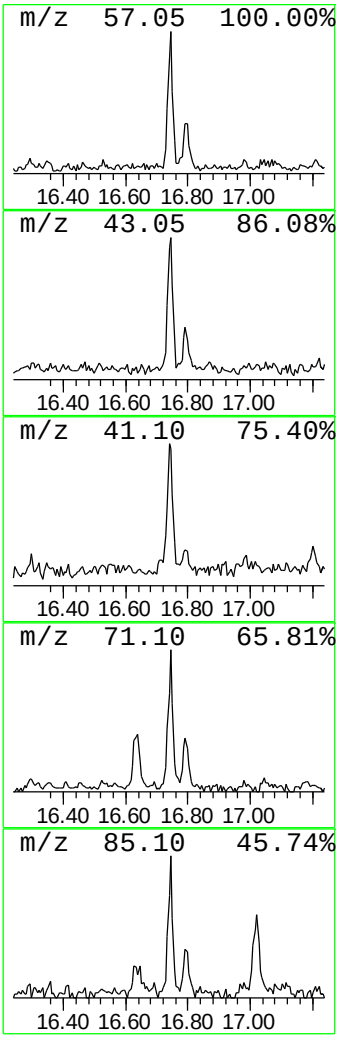
Peak Number 13 (DEL) Alkane: Straight-Chai... Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.74	4.56 ng/ul	387883	Phenanthrene-d10	16.98

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Nonadecane	268	C19H40	000629-92-5	72
2	Tridecane, 1-iodo-	310	C13H27I	035599-77-0	72
3	Octacosane	394	C28H58	000630-02-4	58
4	2-Bromononane	206	C9H19Br	002216-35-5	52
5	Tetradecane, 1-iodo-	324	C14H29I	019218-94-1	50





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Sample : J1243-08DL 5X
Misc :
ALS Vial : 37 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F6B31DL

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Quant Title : SVOA CALIBRATION

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

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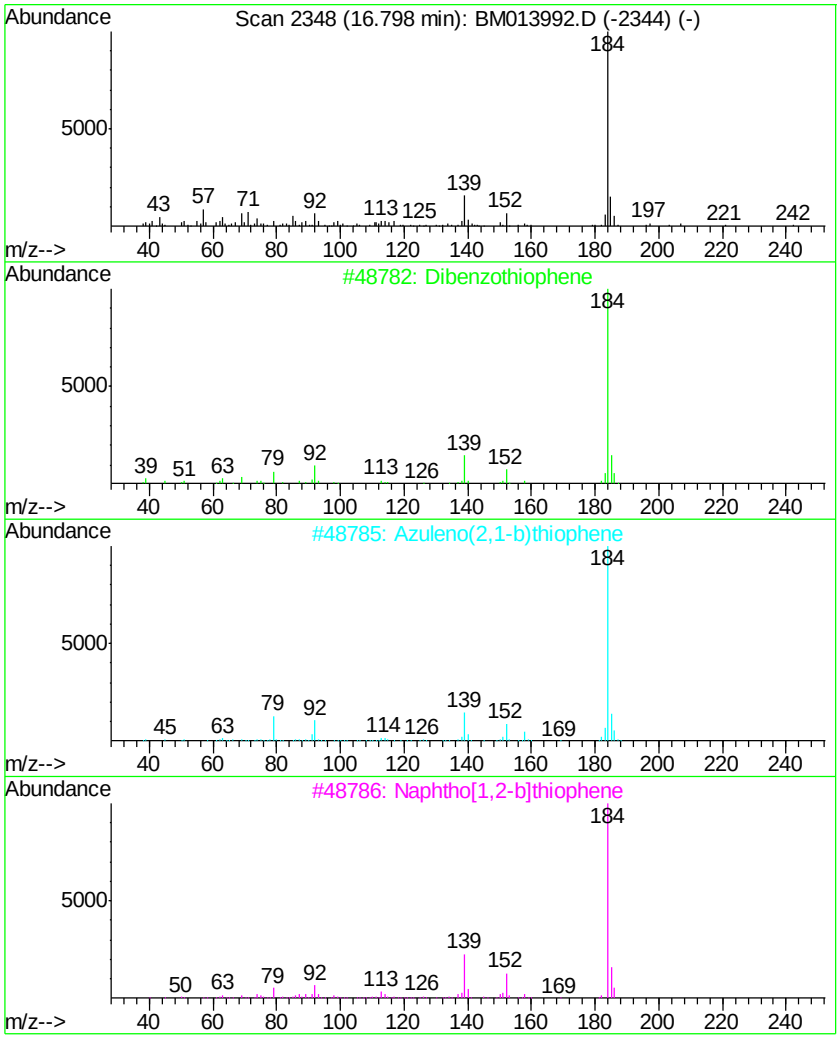
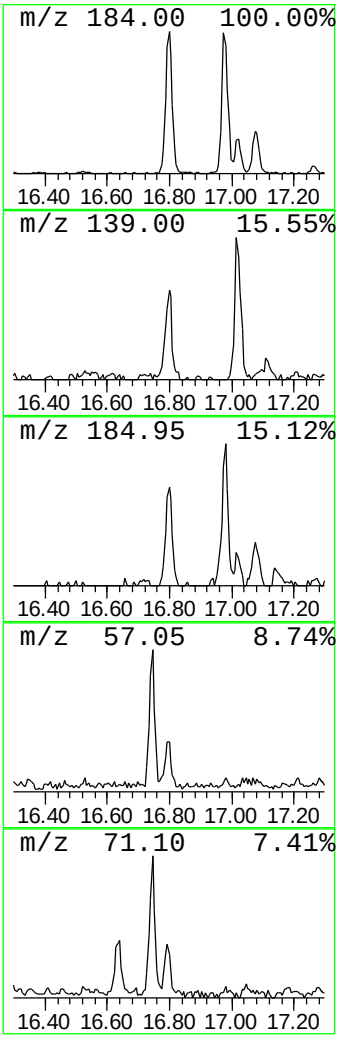
Peak Number 14 Dibenzothiophene Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.80	3.60 ng/ul	306186	Phenanthrene-d10	16.98

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dibenzothiophene	184	C12H8S	000132-65-0	93
2	Azuleno(2,1-b)thiophene	184	C12H8S	000248-13-5	87
3	Naphtho[1,2-b]thiophene	184	C12H8S	000234-41-3	87
4	Naphtho[2,3-b]thiophene	184	C12H8S	000268-77-9	87
5	Dibenzothiophene	184	C12H8S	000132-65-0	87





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Misc :
ALS Vial : 37 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F6B31DL

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Quant Title : SVOA CALIBRATION

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

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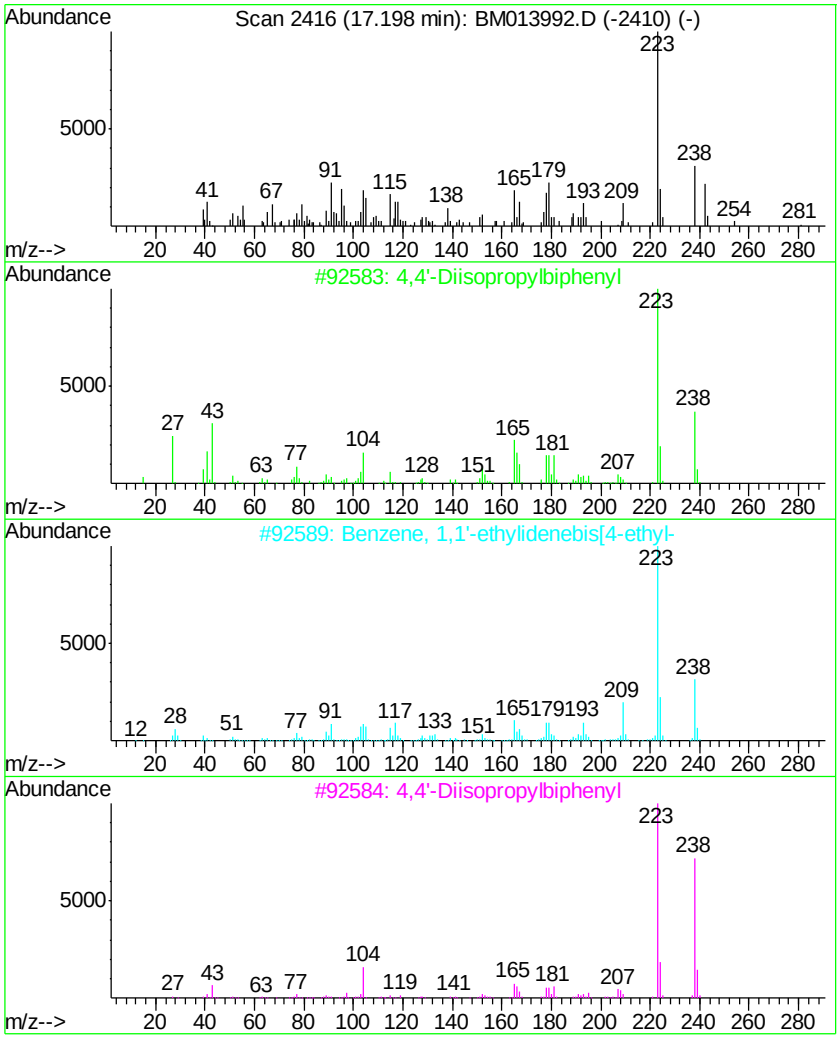
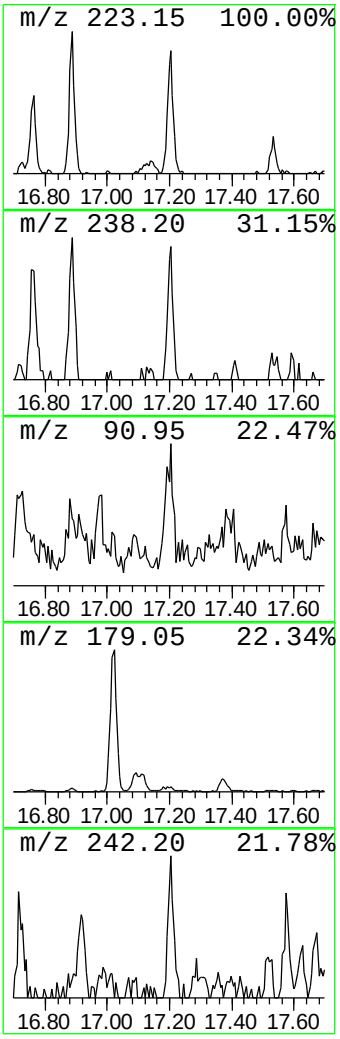
Peak Number 15 4,4'-Diisopropylbiphenyl Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.20	2.76 ng/ul	235079	Phenanthrene-d10	16.98

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4,4'-Diisopropylbiphenyl	238	C18H22	018970-30-4	90
2	Benzene, 1,1'-ethylidenebis[4-et...	238	C18H22	010224-91-6	68
3	4,4'-Diisopropylbiphenyl	238	C18H22	018970-30-4	64
4	4-Isopropylxanthen-9-one	238	C16H14O2	1000210-33-1	53
5	4-tert-Butyl-benzophenone	238	C17H18O	022679-54-5	49





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Sample : J1243-08DL 5X
Misc :
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Instrument : BNA_M
ClientSampleId : F6B31DL

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Quant Title : SVOA CALIBRATION

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

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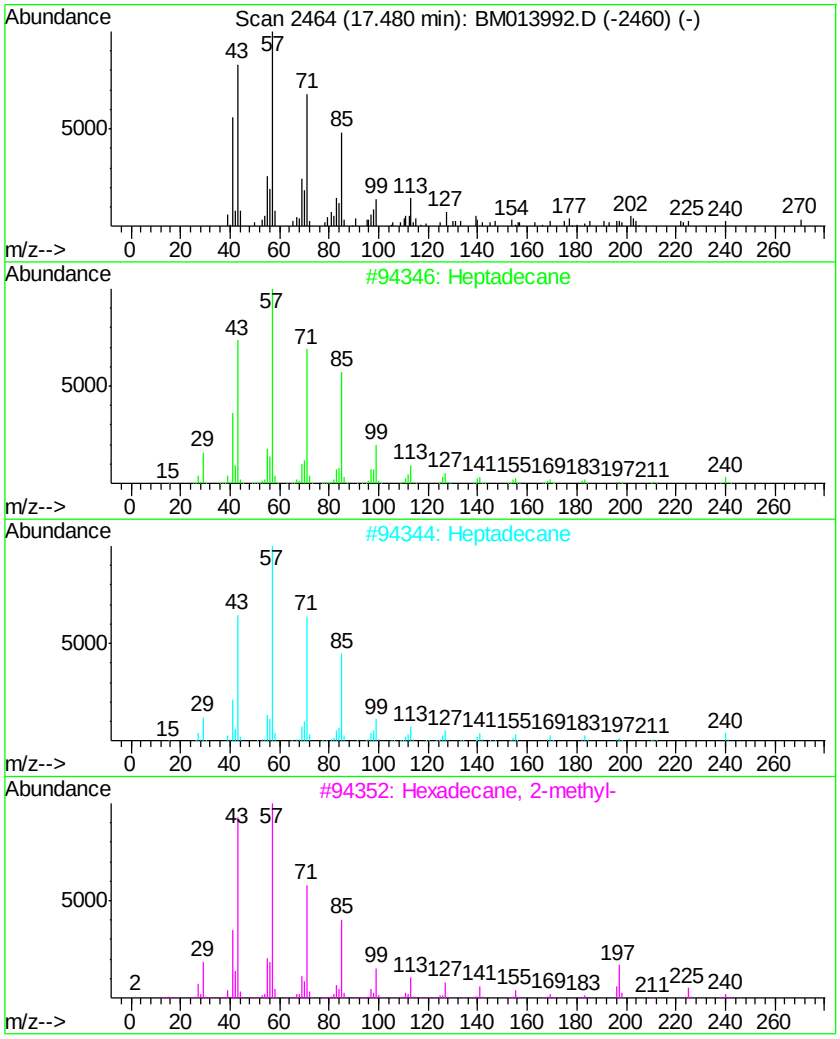
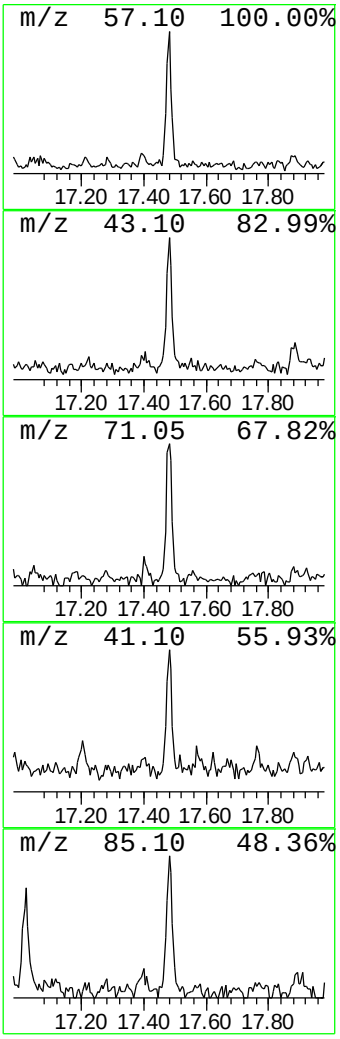
Peak Number 16 (DEL) Alkane: Straight-Chai... Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.48	2.72 ng/ul	231027	Phenanthrene-d10	16.98

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heptadecane	240	C17H36	000629-78-7	95
2	Heptadecane	240	C17H36	000629-78-7	90
3	Hexadecane, 2-methyl-	240	C17H36	001560-92-5	87
4	Heneicosane	296	C21H44	000629-94-7	86
5	Pentadecane	212	C15H32	000629-62-9	86





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Sample : J1243-08DL 5X
Misc :
ALS Vial : 37 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F6B31DL

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Quant Title : SVOA CALIBRATION

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

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Peak Number 17 Phenanthrene, 1-methyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.86	3.02 ng/ul	257068	Phenanthrene-d10	16.98

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	96
2	1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	94
3	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	93
4	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	91
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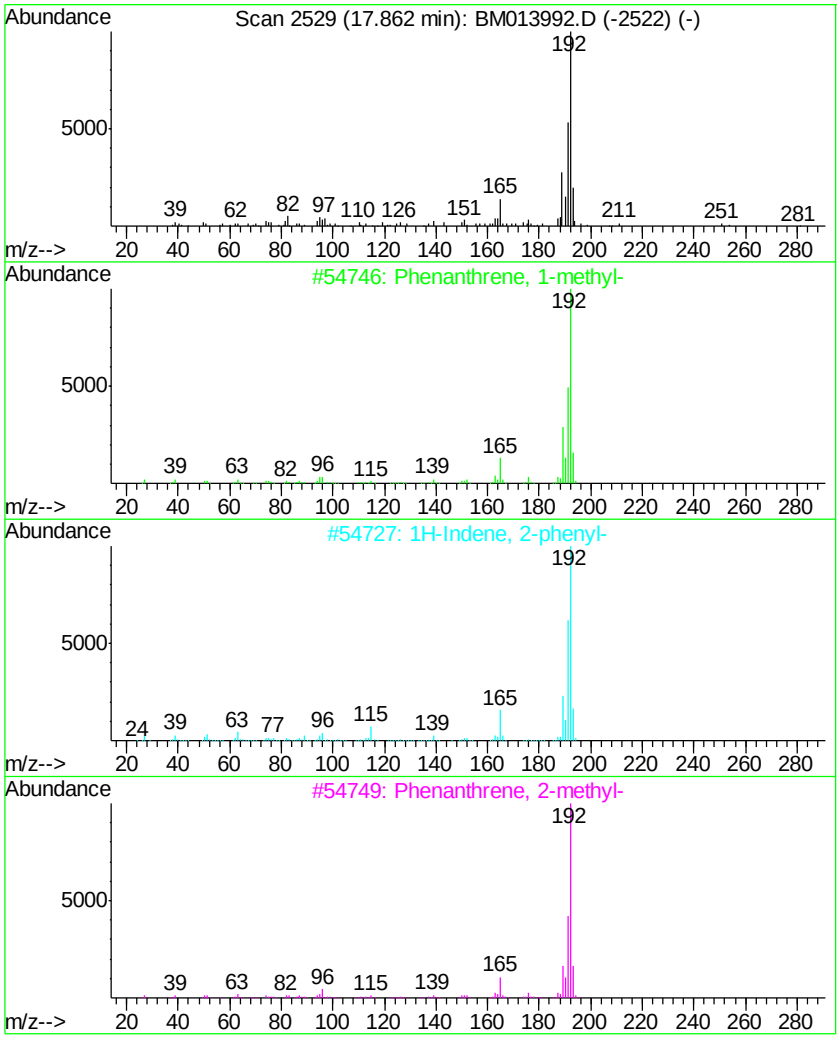

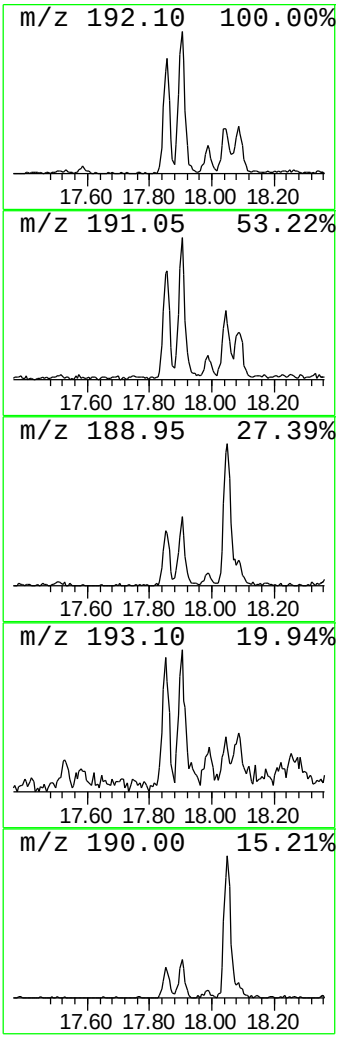

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Operator : SJ/JU
Sample : J1243-08DL 5X
Misc :
ALS Vial : 37 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F6B31DL

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM011018.M
Quant Title : SVOA CALIBRATION

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

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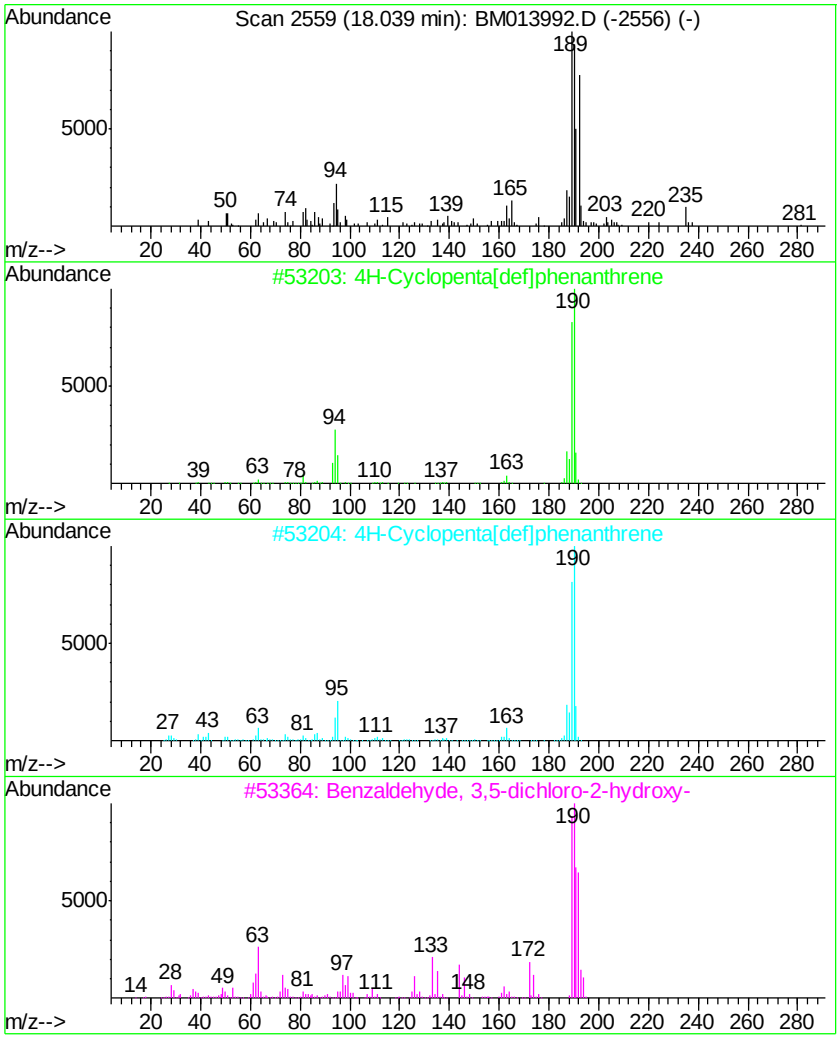
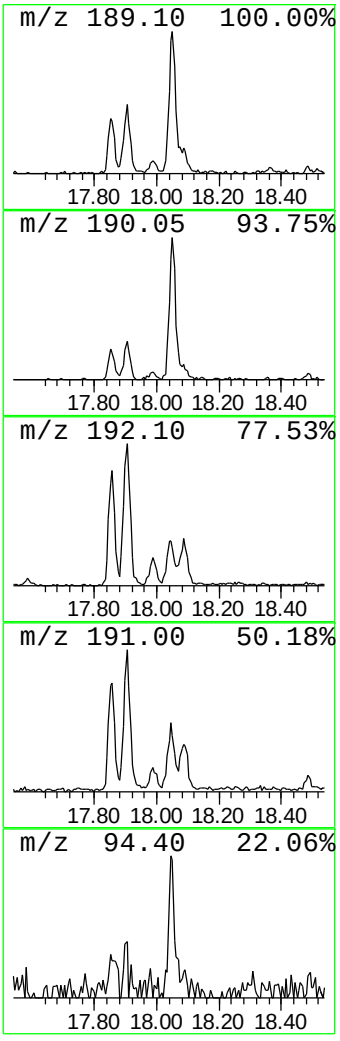
Peak Number 19 4H-Cyclopenta[def]phenanthrene Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.04	3.70 ng/ul	315074	Phenanthrene-d10	16.98

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	70
2	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	60
3	Benzaldehyde, 3,5-dichloro-2-hyd...	190	C7H4Cl2O2	000090-60-8	53
4	Benzaldehyde, 3,5-dichloro-2-hyd...	190	C7H4Cl2O2	000090-60-8	53
5	6H-Cyclobuta[jk]phenanthrene	190	C15H10	083469-43-6	50





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Data File : BM013992.D
Acq On : 30 Jan 2018 11:54
Operator : SJ/JU
Sample : J1243-08DL 5X
Misc :
ALS Vial : 37 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F6B31DL

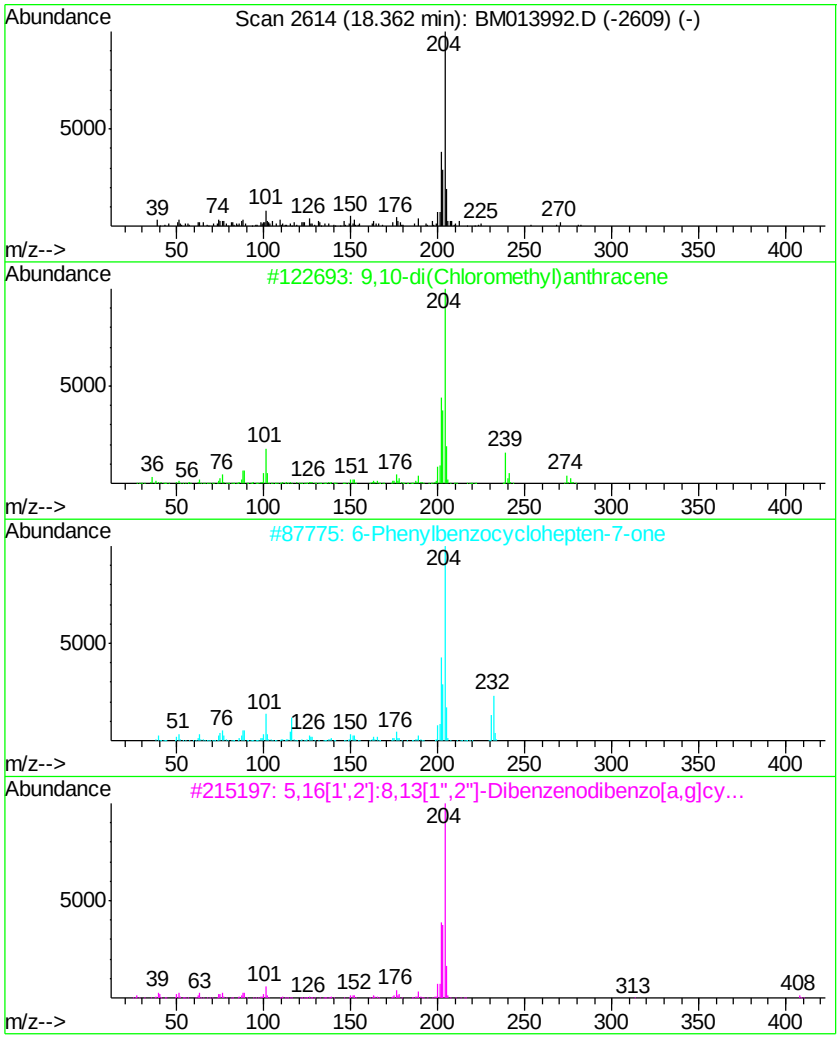
Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM011018.M
Quant Title : SVOA CALIBRATION

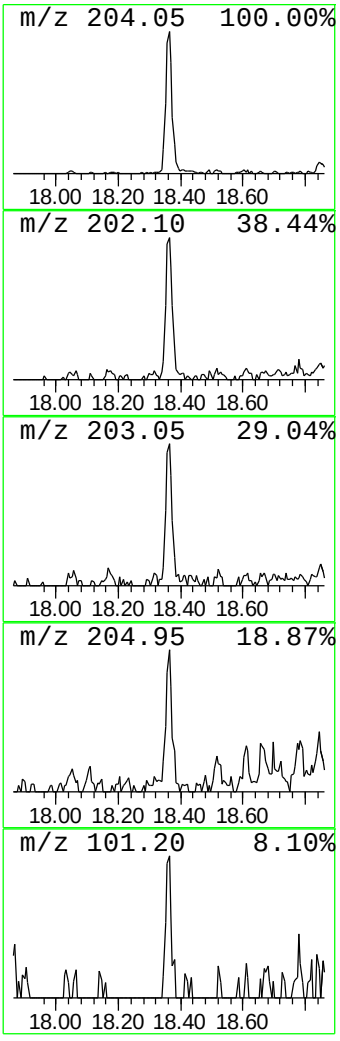
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 20 9,10-di(Chloromethyl)anthra... Concentration Rank 21

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.36	2.18 ng/ul	185689	Phenanthrene-d10	16.98

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9,10-di(Chloromethyl)anthracene	274	C16H12Cl2	010387-13-0	90
2	6-Phenylbenzocyclohepten-7-one	232	C17H12O	093327-56-1	83
3	5,16[1',2']:8,13[1'',2'']-Dibenz...	408	C32H24	005672-97-9	72
4	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	70
5	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	70





Data Path : Z:\HPCHEM1\BNA M\DATA\BM012918\
Data File : BM013992.D
Acq On : 30 Jan 2018 11:54
Operator : SJ/JU
Sample : J1243-08DL 5X
Misc :
ALS Vial : 37 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F6B31DL

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM011018.M
Quant Title : SVOA CALIBRATION

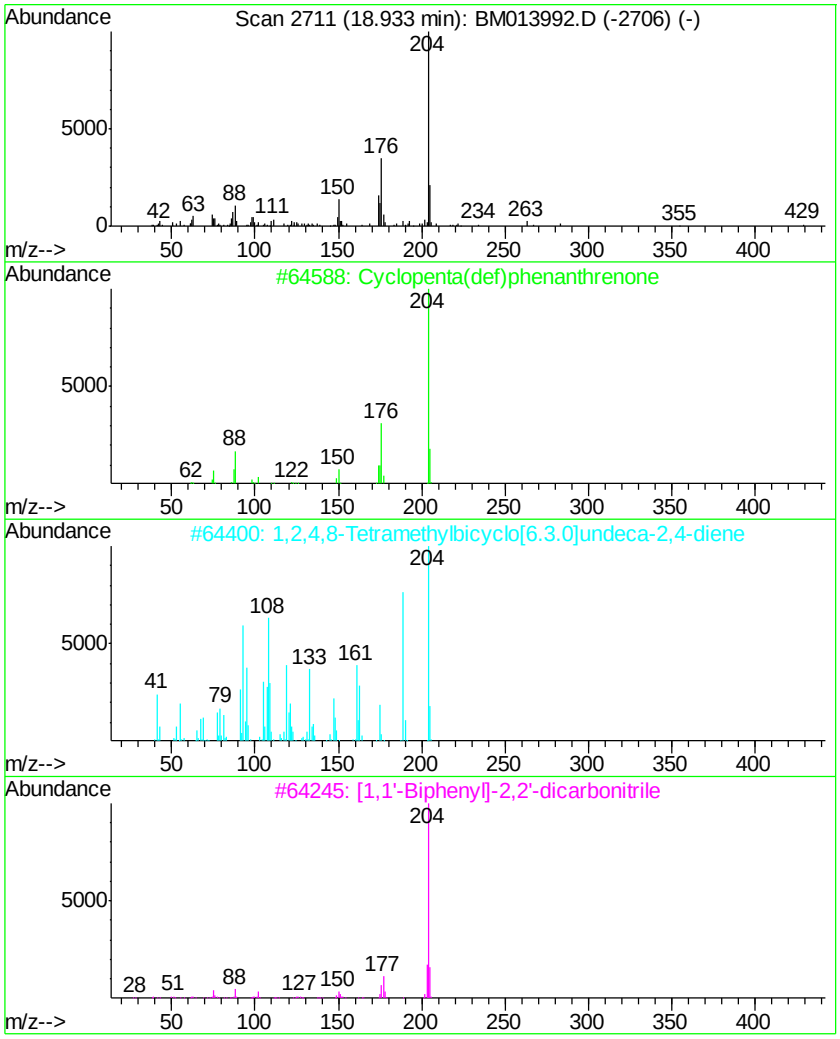
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

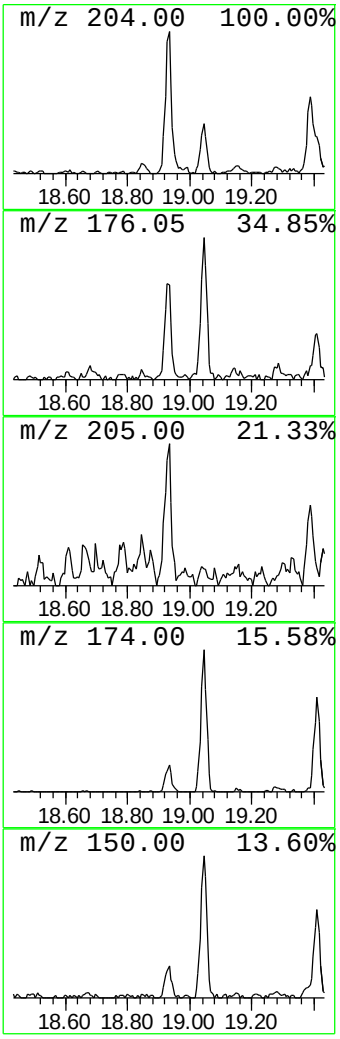
****

Peak Number 21 Cyclopenta(def)phenanthrenone Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.93	2.65 ng/ul	225302	Phenanthrene-d10	16.98

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopenta(def)phenanthrenone	204	C15H8O	005737-13-3	87
2	1,2,4,8-Tetramethylbicyclo[6.3.0...	204	C15H24	137235-51-9	64
3	[1,1'-Biphenyl]-2,2'-dicarbonitrile	204	C14H8N2	004341-02-0	64
4	[1,1'-Biphenyl]-4,4'-dicarbonitrile	204	C14H8N2	001591-30-6	50
5	Naphthalene, 1-phenyl-	204	C16H12	000605-02-7	50





Tentatively Identified Compound (LSC) summary

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM012918\
Data File : BM013992.D
Acq On : 30 Jan 2018 11:54
Operator : SJ/JU
Sample : J1243-08DL 5X
Misc :
ALS Vial : 37 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F6B31DL

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM011018.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
Butane, 2-methoxy...	4.72	2.8	ng/ul	93304	1	7.57	676683	20.0
Quinoline	11.19	6.9	ng/ul	323242	2	10.35	942199	20.0
Naphthalene, 1-me...	12.24	6.6	ng/ul	309629	2	10.35	942199	20.0
(DEL) Alkane: Str...	13.04	2.3	ng/ul	172263	3	14.22	1506500	20.0
Naphthalene, 1,7-...	13.38	2.4	ng/ul	177516	3	14.22	1506500	20.0
Naphthalene, 1,3-...	13.54	2.6	ng/ul	196195	3	14.22	1506500	20.0
(DEL) Alkane: Str...	15.09	2.3	ng/ul	169367	3	14.22	1506500	20.0
2,4,6-Cycloheptat...	15.57	3.3	ng/ul	247675	3	14.22	1506500	20.0
(4-Acetylphenyl)p...	15.69	5.2	ng/ul	440109	4	16.98	1701540	20.0
Dibenzofuran, 4-m...	15.73	2.6	ng/ul	222531	4	16.98	1701540	20.0
(DEL) Alkane: Str...	15.95	2.4	ng/ul	206428	4	16.98	1701540	20.0
(DEL) Alkane: Str...	16.74	4.6	ng/ul	387883	4	16.98	1701540	20.0
Dibenzothiophene	16.80	3.6	ng/ul	306186	4	16.98	1701540	20.0
4,4'-Diisopropylb...	17.20	2.8	ng/ul	235079	4	16.98	1701540	20.0
(DEL) Alkane: Str...	17.48	2.7	ng/ul	231027	4	16.98	1701540	20.0
Phenanthrene, 1-m...	17.86	3.0	ng/ul	257068	4	16.98	1701540	20.0
4H-Cyclopenta[def...	18.04	3.7	ng/ul	315074	4	16.98	1701540	20.0
9,10-di(Chloromet...	18.36	2.2	ng/ul	185689	4	16.98	1701540	20.0
Cyclopenta(def)ph...	18.93	2.6	ng/ul	225302	4	16.98	1701540	20.0