LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA M\DATA\BM012918\
Data File : BM013988.D
Acq On : 30 Jan 2018 09:15
Operator : SJ/JU
Sample : J1233-15DL 5X
Misc :
ALS Vial : 33 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F6B19DL

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	6.769	634	643	655	rBV2	40395	108048	4.40%	0.349%
2	6.922	664	669	679	rVB2	34739	63920	2.60%	0.206%
3	7.110	695	701	712	rBV2	67104	127951	5.21%	0.413%
4	7.569	771	779	793	rBV	383372	686806	27.95%	2.217%
5	8.298	897	903	910	rBV5	49073	115105	4.68%	0.371%
6	8.733	971	977	984	rBV2	51361	110313	4.49%	0.356%
7	9.451	1094	1099	1107	rBV4	46514	86817	3.53%	0.280%
8	9.998	1186	1192	1204	rBV6	52701	143195	5.83%	0.462%
9	10.339	1241	1250	1255	rBV	526079	912632	37.15%	2.945%
10	10.392	1255	1259	1270	rVB2	163653	292394	11.90%	0.944%
11	10.510	1273	1279	1286	rBV5	42817	94920	3.86%	0.306%
12	11.357	1419	1423	1429	rVB3	23763	38890	1.58%	0.126%
13	11.680	1473	1478	1486	rBV2	28294	54496	2.22%	0.176%
14	11.769	1488	1493	1498	rVV3	36901	57882	2.36%	0.187%
15	12.016	1524	1535	1545	rBV	390585	682539	27.78%	2.203%
16	12.239	1562	1573	1583	rBV	190057	355591	14.47%	1.148%
17	12.745	1653	1659	1664	rBV3	32554	50913	2.07%	0.164%
18	13.039	1701	1709	1718	rBV4	113216	227908	9.28%	0.736%
19	13.245	1740	1744	1748	rBV	41183	65251	2.66%	0.211%
20	13.398	1761	1770	1778	rBV3	69238	195906	7.97%	0.632%
21	13.539	1787	1794	1799	rBV2	108061	198889	8.10%	0.642%
22	13.592	1799	1803	1807	rVV2	70197	127368	5.18%	0.411%
23	13.639	1807	1811	1816	rVV	184644	295211	12.02%	0.953%
24	13.692	1816	1820	1826	rVB2	150893	260141	10.59%	0.840%
25	13.910	1852	1857	1868	rVB	199374	362044	14.74%	1.168%
26	14.127	1889	1894	1899	rBV	142283	205774	8.38%	0.664%
27	14.221	1901	1910	1916	rVV3	836676	1450129	59.02%	4.680%
28	14.286	1916	1921	1931	rVB2	182005	312466	12.72%	1.008%
29	14.445	1942	1948	1950	rBV5	19187	33388	1.36%	0.108%
30	14.510	1954	1959	1961	rBV5	24086	39497	1.61%	0.127%
31	14.627	1974	1979	1985	rVB	310216	481346	19.59%	1.553%
32	14.710	1988	1993	1995	rVV5	27593	44051	1.79%	0.142%
33	14.751	1997	2000	2005	rVB5	46445	63067	2.57%	0.204%
34	14.851	2014	2017	2022	rVV6	25372	39003	1.59%	0.126%

LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA M\DATA\BM012918\
Data File : BM013988.D
Acq On : 30 Jan 2018 09:15
Operator : SJ/JU
Sample : J1233-15DL 5X
Misc :
ALS Vial : 33 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F6B19DL

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	14.904	2022	2026	2029	rVB5	22919	29656	1.21%	0.096%
36	14.998	2038	2042	2049	rBV7	21897	51687	2.10%	0.167%
37	15.086	2052	2057	2061	rVB	205312	263077	10.71%	0.849%
38	15.221	2075	2080	2085	rBV	268781	386646	15.74%	1.248%
39	15.280	2085	2090	2095	rVV2	260768	388120	15.80%	1.253%
40	15.380	2102	2107	2108	rBV5	42383	55074	2.24%	0.178%
41	15.439	2114	2117	2121	rBV4	38574	55981	2.28%	0.181%
42	15.492	2121	2126	2130	rVV2	89356	136274	5.55%	0.440%
43	15.533	2130	2133	2136	rVV3	27681	29820	1.21%	0.096%
44	15.592	2136	2143	2149	rVV2	380165	684607	27.86%	2.209%
45	15.639	2149	2151	2155	rVV5	26336	33519	1.36%	0.108%
46	15.692	2156	2160	2162	rVV2	107689	144914	5.90%	0.468%
47	15.721	2163	2165	2172	rVV	109352	190701	7.76%	0.615%
48	15.786	2172	2176	2178	rVV5	27823	40819	1.66%	0.132%
49	15.810	2178	2180	2185	rVB5	26292	35206	1.43%	0.114%
50	15.951	2199	2204	2206	rBV	289822	440711	17.94%	1.422%
51	16.015	2211	2215	2220	rVB3	71433	104536	4.25%	0.337%
52	16.292	2249	2262	2265	rBV7	63955	159147	6.48%	0.514%
53	16.327	2265	2268	2275	rVB8	37798	79993	3.26%	0.258%
54	16.515	2293	2300	2304	rBV8	37041	73706	3.00%	0.238%
55	16.551	2304	2306	2310	rVB3	33302	44660	1.82%	0.144%
56	16.645	2316	2322	2327	rVB9	72983	131738	5.36%	0.425%
57	16.715	2330	2334	2335	rVV3	40896	52281	2.13%	0.169%
58	16.739	2335	2338	2343	rVV	268669	371776	15.13%	1.200%
59	16.798	2343	2348	2359	rVB2	171097	306581	12.48%	0.989%
60	16.886	2359	2363	2366	rBV5	29296	41302	1.68%	0.133%
61	16.974	2371	2378	2382	rBV2	1161919	1706256	69.45%	5.507%
62	17.015	2382	2385	2391	rVV	1578403	2185042	88.93%	7.052%
63	17.080	2391	2396	2399	rVV	309050	506591	20.62%	1.635%
64	17.115	2399	2402	2408	rVB	162796	224548	9.14%	0.725%
65	17.209	2415	2418	2424	rVB7	43358	70825	2.88%	0.229%
66	17.280	2428	2430	2434	rVB5	20051	28941	1.18%	0.093%
67	17.404	2444	2451	2459	rBV7	51131	126917	5.17%	0.410%
68	17.480	2459	2464	2471	rBV2	264312	365358	14.87%	1.179%
69	17.709	2499	2503	2508	rBV7	20880	28500	1.16%	0.092%
70	17.756	2508	2511	2516	rBV6	20081	37718	1.54%	0.122%
71	17.856	2521	2528	2531	rVV	141785	232285	9.45%	0.750%

LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA M\DATA\BM012918\
Data File : BM013988.D
Acq On : 30 Jan 2018 09:15
Operator : SJ/JU
Sample : J1233-15DL 5X
Misc :
ALS Vial : 33 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F6B19DL

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	17.904	2531	2536	2542	rVV	192904	358153	14.58%	1.156%
73	17.992	2546	2551	2555	rVV3	54430	108080	4.40%	0.349%
74	18.045	2555	2560	2565	rVV2	203604	358261	14.58%	1.156%
75	18.086	2565	2567	2573	rVV2	77249	109549	4.46%	0.354%
76	18.174	2577	2582	2588	rBV	246524	305952	12.45%	0.987%
77	18.362	2610	2614	2622	rBV	104784	160456	6.53%	0.518%
78	18.780	2677	2685	2687	rBV6	41385	95199	3.87%	0.307%
79	18.815	2687	2691	2699	rVB	228816	291902	11.88%	0.942%
80	19.045	2724	2730	2736	rBV	1177258	1629858	66.34%	5.260%
81	19.292	2768	2772	2775	rBV3	28023	34022	1.38%	0.110%
82	19.380	2782	2787	2789	rBV	660011	948287	38.60%	3.060%
83	19.409	2789	2792	2802	rVV	823516	1194422	48.61%	3.855%
84	19.492	2802	2806	2810	rVB3	47461	68273	2.78%	0.220%
85	19.598	2817	2824	2830	rBV2	58470	115573	4.70%	0.373%
86	19.739	2845	2848	2854	rVB5	46783	94740	3.86%	0.306%
87	19.915	2874	2878	2879	rBV2	82585	101937	4.15%	0.329%
88	19.933	2879	2881	2887	rVB	187673	223222	9.09%	0.720%
89	20.015	2891	2895	2900	rVB	91841	121362	4.94%	0.392%
90	20.068	2902	2904	2909	rVB4	49750	52954	2.16%	0.171%
91	20.256	2933	2936	2941	rVB6	30346	43709	1.78%	0.141%
92	20.433	2963	2966	2971	rBV2	158395	192681	7.84%	0.622%
93	20.897	3042	3045	3051	rVB3	174622	214645	8.74%	0.693%
94	21.180	3087	3093	3097	rBV	1726249	2456924	100.00%	7.929%
95	21.215	3097	3099	3108	rVB	173964	230624	9.39%	0.744%
96	21.333	3116	3119	3127	rVB4	128849	174979	7.12%	0.565%
97	21.756	3189	3191	3196	rVB3	80513	82427	3.35%	0.266%
98	22.209	3265	3268	3272	rVB3	87215	116052	4.72%	0.375%
99	23.227	3436	3441	3454	rVB4	353342	834290	33.96%	2.693%
100	23.362	3458	3464	3474	rVB	1076259	2037491	82.93%	6.576%

Sum of corrected areas: 30985388

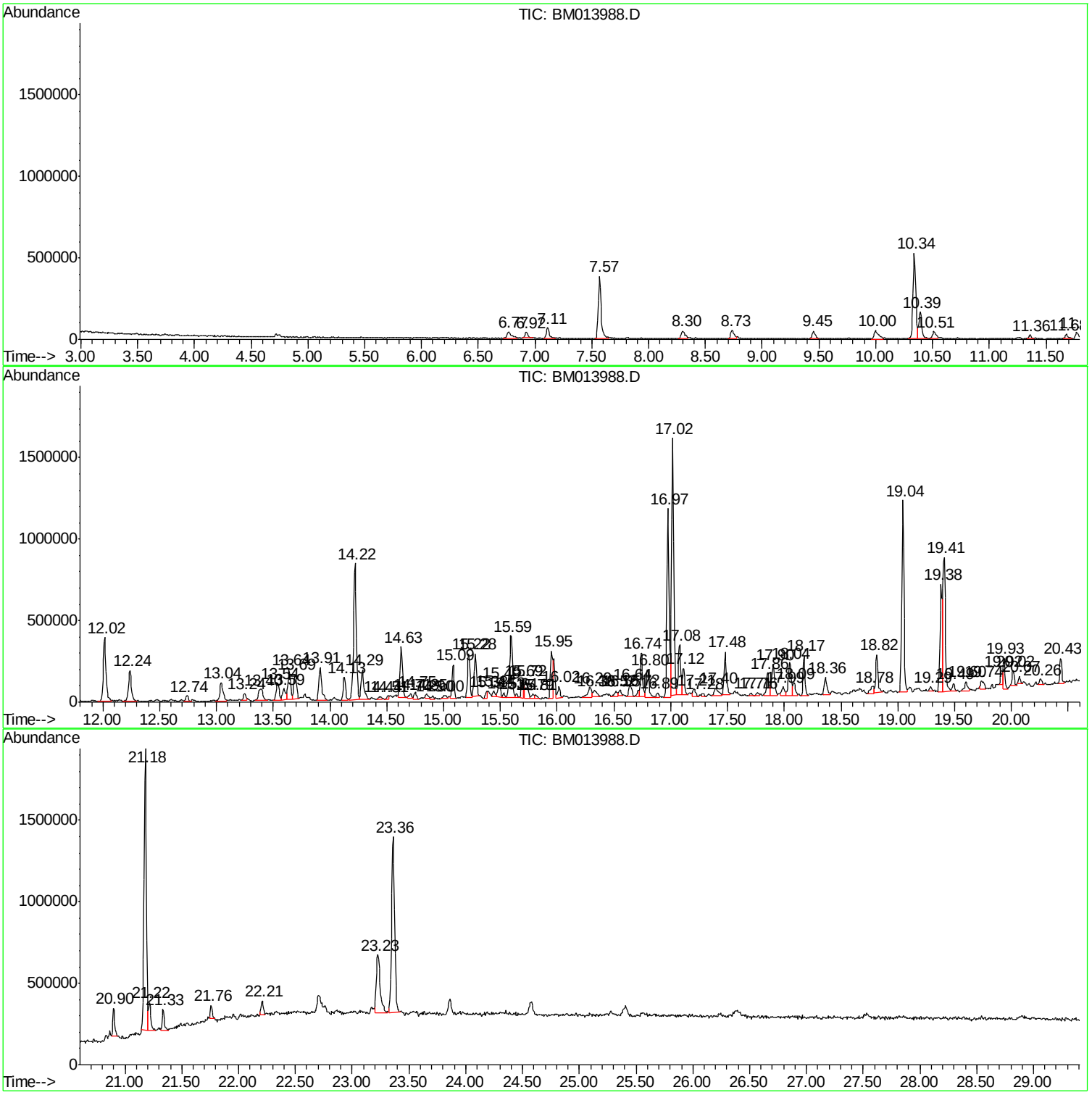
LSC Report - Integrated Chromatogram

Data Path : Z:\HPCHEM1\BNA M\DATA\BM012918\
Data File : BM013988.D
Acq On : 30 Jan 2018 09:15
Operator : SJ/JU
Sample : J1233-15DL 5X
Misc :
ALS Vial : 33 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F6B19DL

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



Data Path : Z:\HPCHEM1\BNA M\DATA\BM012918\
Data File : BM013988.D
Acq On : 30 Jan 2018 09:15
Operator : SJ/JU
Sample : J1233-15DL 5X
Misc :
ALS Vial : 33 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F6B19DL

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

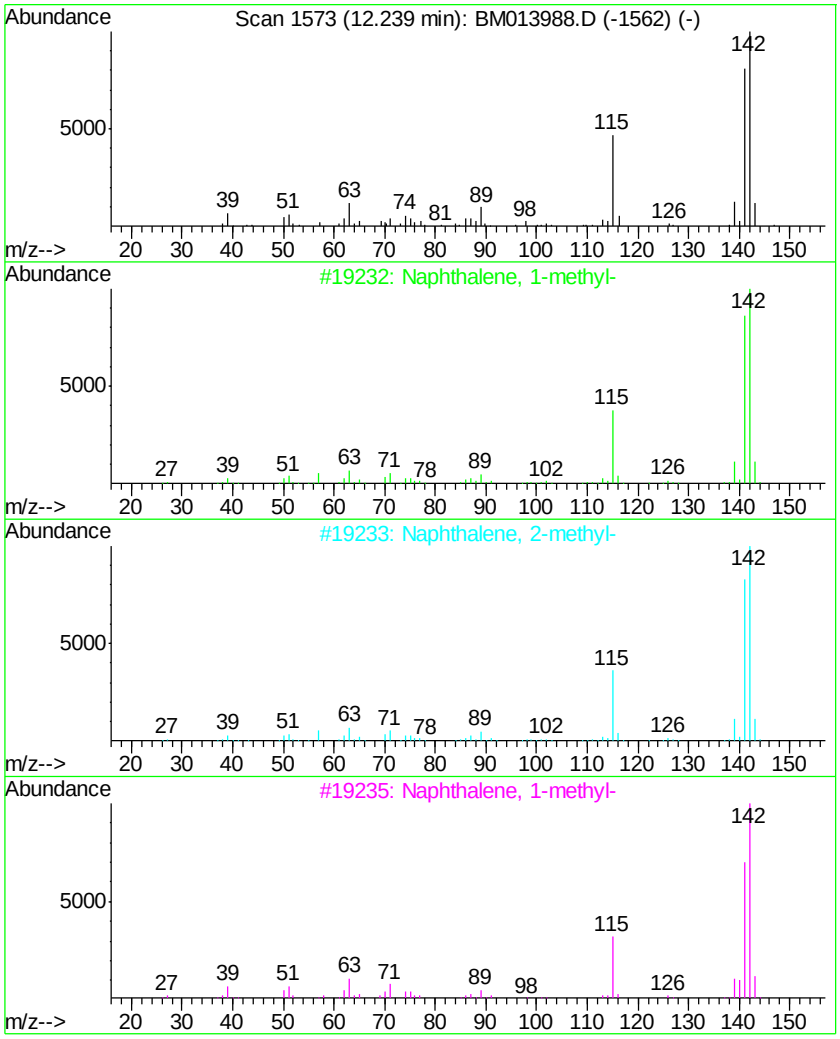
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

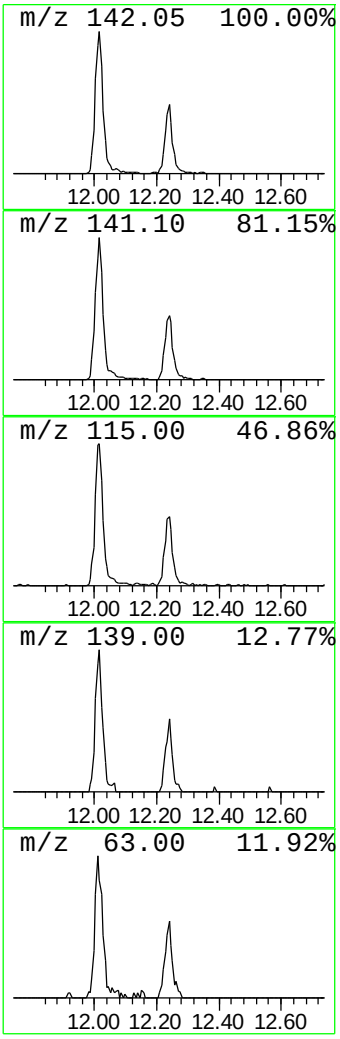
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.24	7.79 ng/ul	355591	Naphthalene-d8	10.34

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	Benzocycloheptatriene	142	C11H10	000264-09-5	94
5	1,4-Methanonaphthalene, 1,4-dihy...	142	C11H10	004453-90-1	94





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA M\DATA\BM012918\
Data File : BM013988.D
Acq On : 30 Jan 2018 09:15
Operator : SJ/JU
Sample : J1233-15DL 5X
Misc :
ALS Vial : 33 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F6B19DL

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

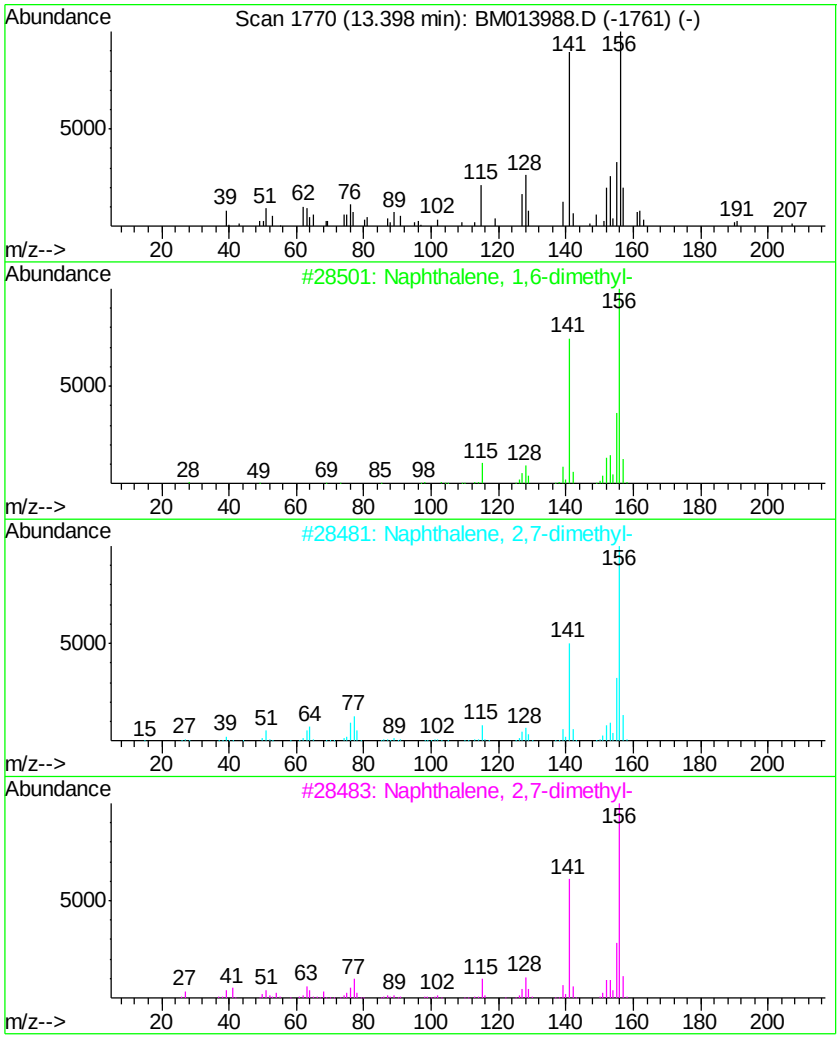
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

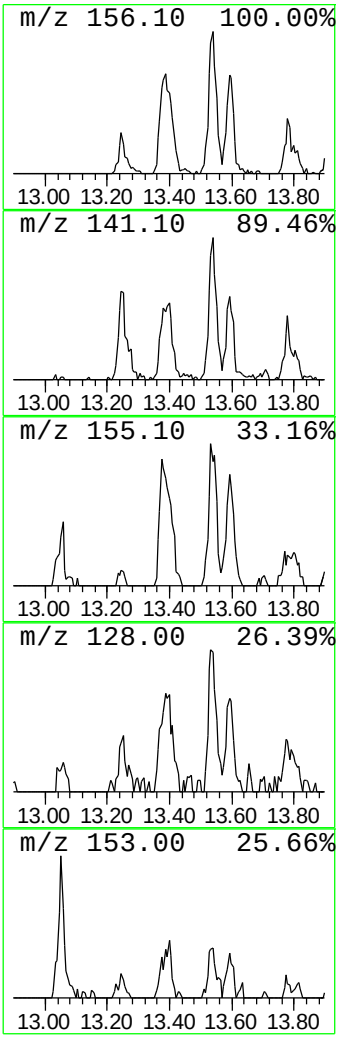
****

Peak Number 2 Naphthalene, 1,6-dimethyl- Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.40	2.70 ng/ul	195906	Acenaphthene-d10	14.22

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	81
2	Naphthalene, 2,7-dimethyl-	156	C12H12	000582-16-1	70
3	Naphthalene, 2,7-dimethyl-	156	C12H12	000582-16-1	68
4	Naphthalene, 1,5-dimethyl-	156	C12H12	000571-61-9	64
5	Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	62





Data Path : Z:\HPCHEM1\BNA M\DATA\BM012918\
Data File : BM013988.D
Acq On : 30 Jan 2018 09:15
Operator : SJ/JU
Sample : J1233-15DL 5X
Misc :
ALS Vial : 33 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F6B19DL

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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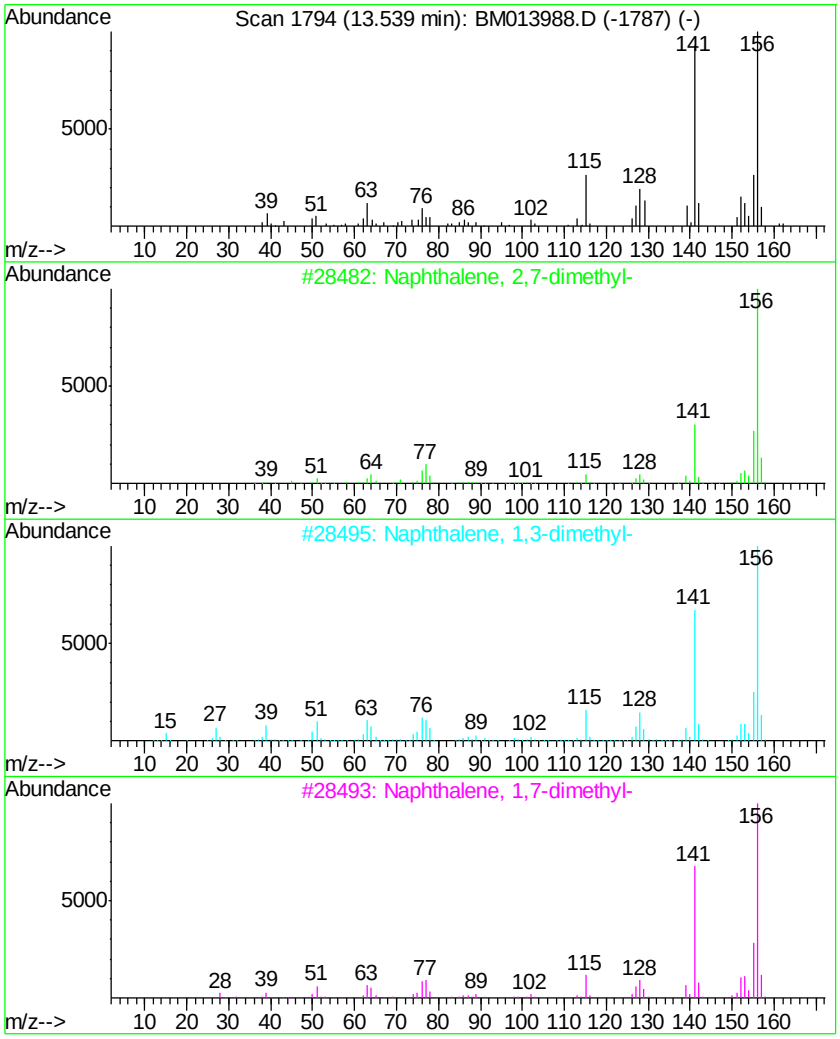
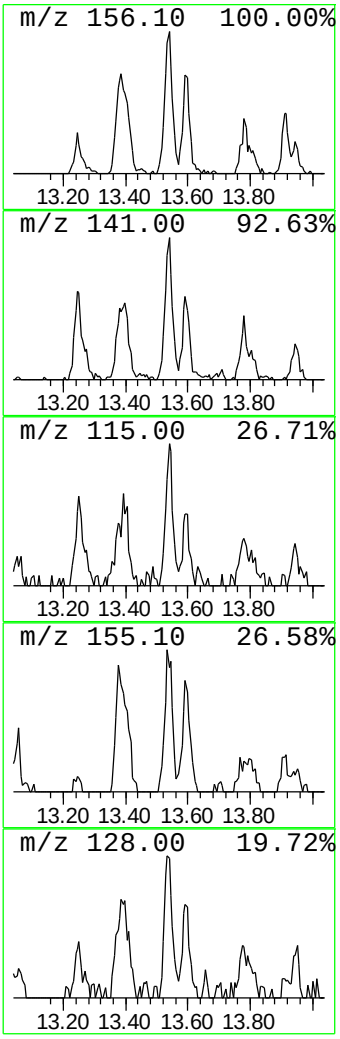
Peak Number 3 Naphthalene, 2,7-dimethyl- Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.54	2.74 ng/ul	198889	Acenaphthene-d10	14.22

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2,7-dimethyl-	156	C12H12	000582-16-1	96
2	Naphthalene, 1,3-dimethyl-	156	C12H12	000575-41-7	96
3	Naphthalene, 1,7-dimethyl-	156	C12H12	000575-37-1	96
4	Naphthalene, 1,7-dimethyl-	156	C12H12	000575-37-1	96
5	Naphthalene, 1,3-dimethyl-	156	C12H12	000575-41-7	95





Data Path : Z:\HPCHEM1\BNA M\DATA\BM012918\
Data File : BM013988.D
Acq On : 30 Jan 2018 09:15
Operator : SJ/JU
Sample : J1233-15DL 5X
Misc :
ALS Vial : 33 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F6B19DL

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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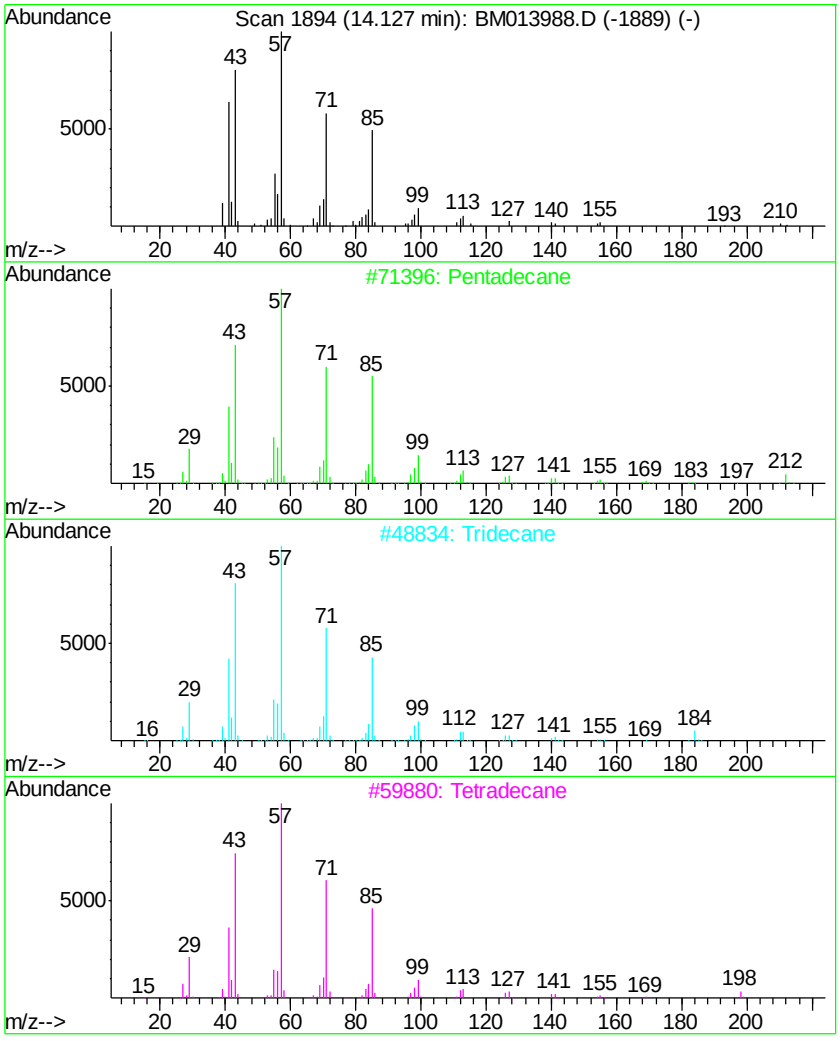
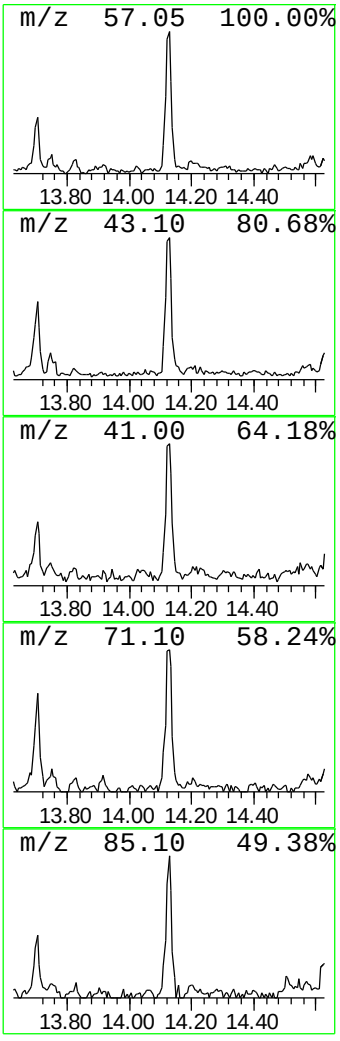
Peak Number 4 (DEL) Alkane: Straight-Chai... Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.13	2.84 ng/ul	205774	Acenaphthene-d10	14.22

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pentadecane	212	C15H32	000629-62-9	96
2	Tridecane	184	C13H28	000629-50-5	87
3	Tetradecane	198	C14H30	000629-59-4	87
4	Pentadecane	212	C15H32	000629-62-9	86
5	Tridecane	184	C13H28	000629-50-5	86





Data Path : Z:\HPCHEM1\BNA M\DATA\BM012918\
Data File : BM013988.D
Acq On : 30 Jan 2018 09:15
Operator : SJ/JU
Sample : J1233-15DL 5X
Misc :
ALS Vial : 33 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F6B19DL

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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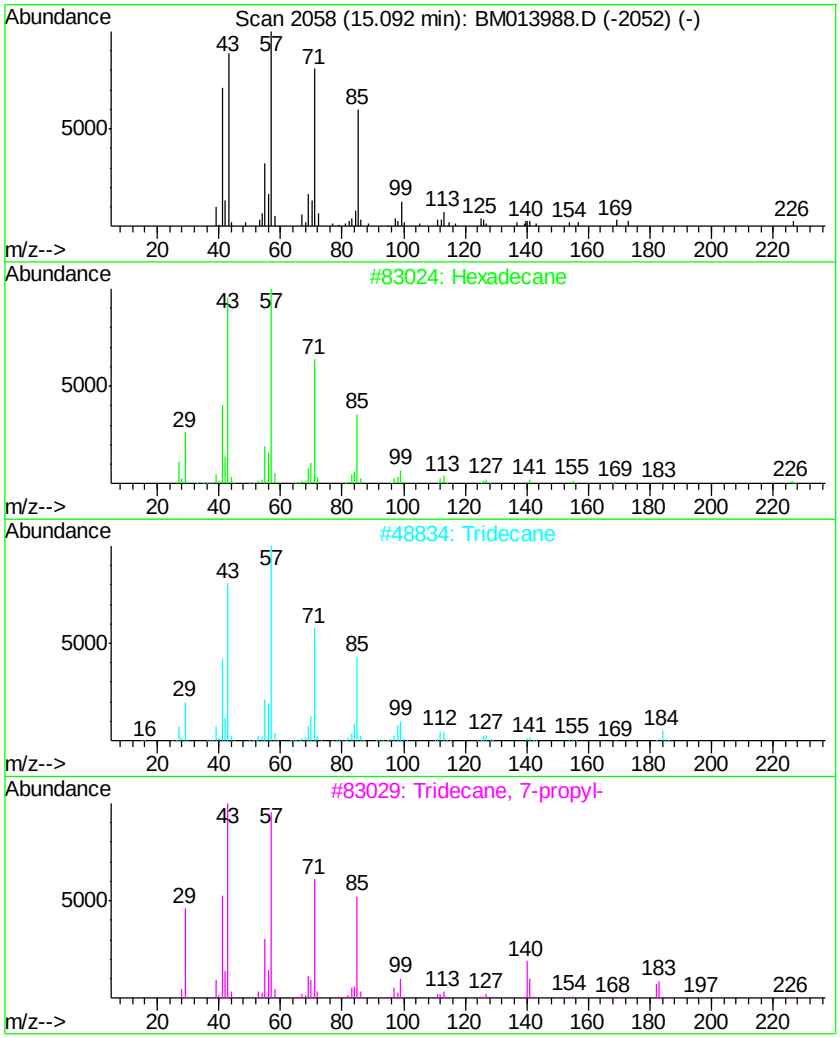
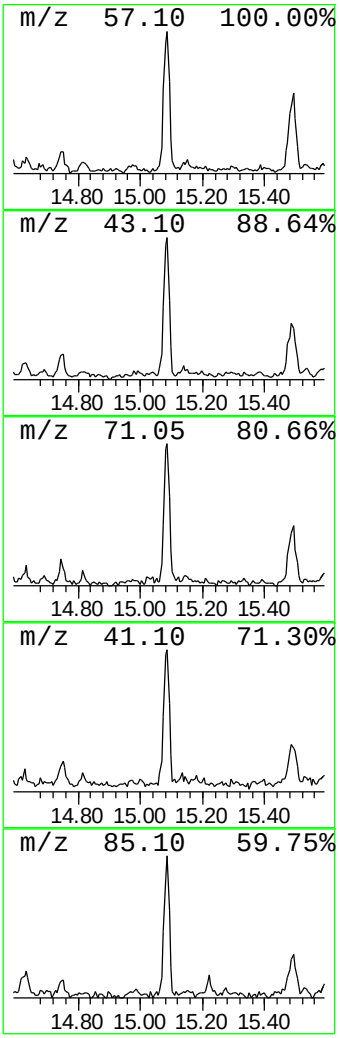
Peak Number 5 (DEL) Alkane: Straight-Chai... Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.09	3.63 ng/ul	263077	Acenaphthene-d10	14.22

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexadecane	226	C16H34	000544-76-3	94
2	Tridecane	184	C13H28	000629-50-5	90
3	Tridecane, 7-propyl-	226	C16H34	055045-09-5	86
4	Dodecane, 2-methyl-6-propyl-	226	C16H34	055045-08-4	83
5	Hexadecane	226	C16H34	000544-76-3	81





Data Path : Z:\HPCHEM1\BNA M\DATA\BM012918\
Data File : BM013988.D
Acq On : 30 Jan 2018 09:15
Operator : SJ/JU
Sample : J1233-15DL 5X
Misc :
ALS Vial : 33 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F6B19DL

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

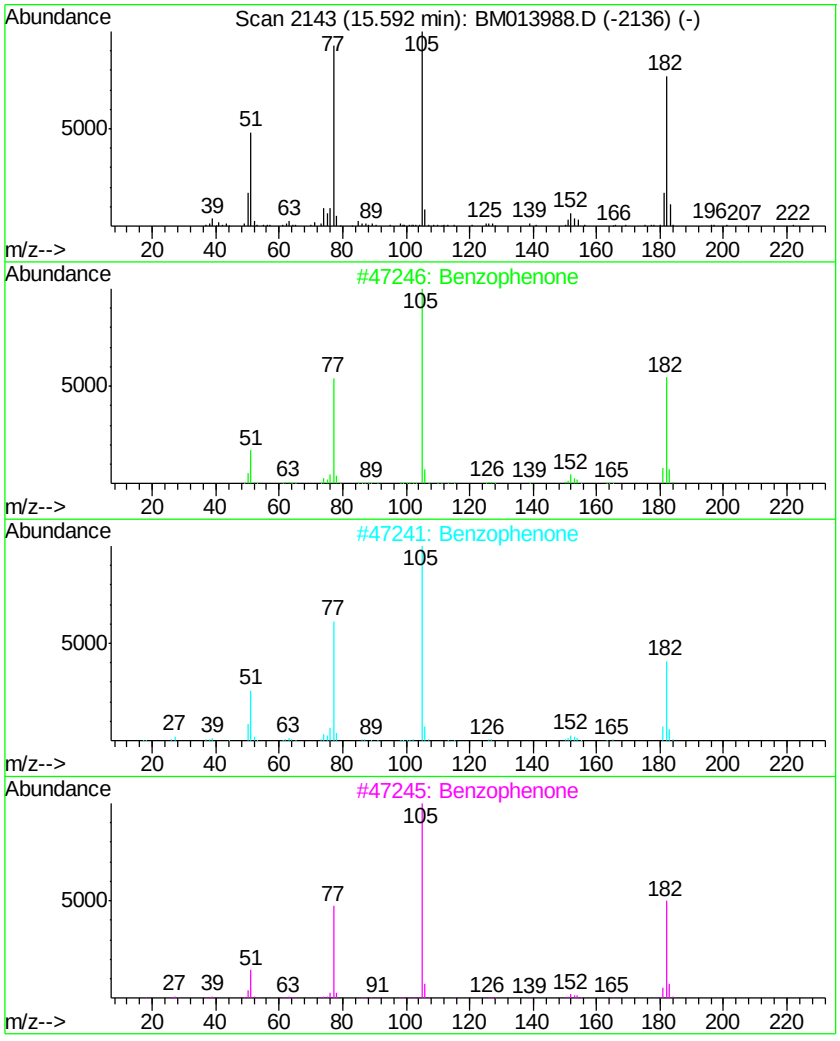
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

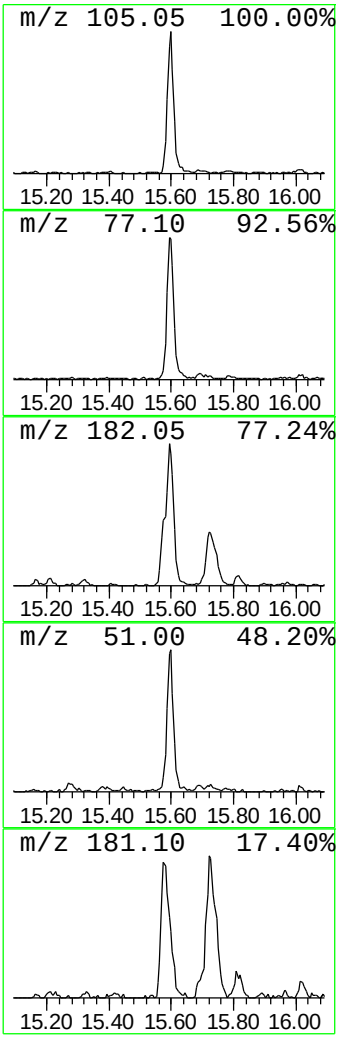
****

Peak Number 6 Benzophenone Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.59	9.44 ng/ul	684607	Acenaphthene-d10	14.22

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzophenone	182	C13H10O	000119-61-9	95
2	Benzophenone	182	C13H10O	000119-61-9	91
3	Benzophenone	182	C13H10O	000119-61-9	91
4	Benzophenone	182	C13H10O	000119-61-9	90
5	Benzophenone	182	C13H10O	000119-61-9	90





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Acq On : 30 Jan 2018 09:15
Operator : SJ/JU
Sample : J1233-15DL 5X
Misc :
ALS Vial : 33 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F6B19DL

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

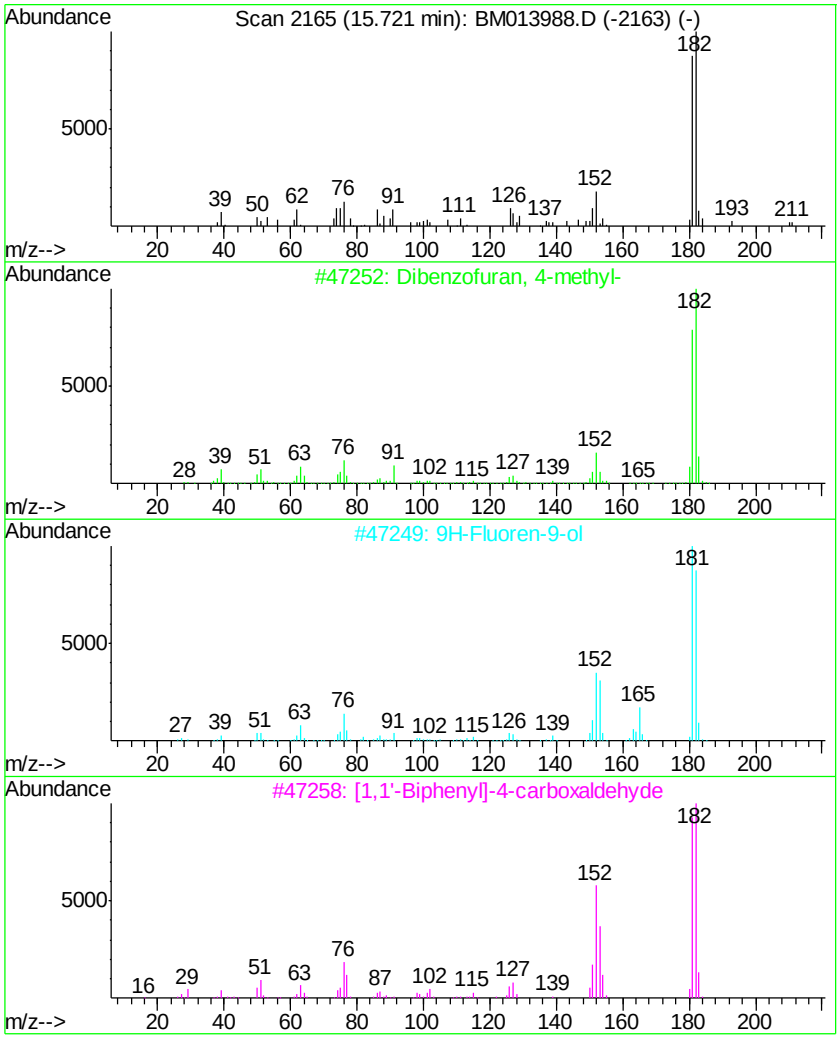
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

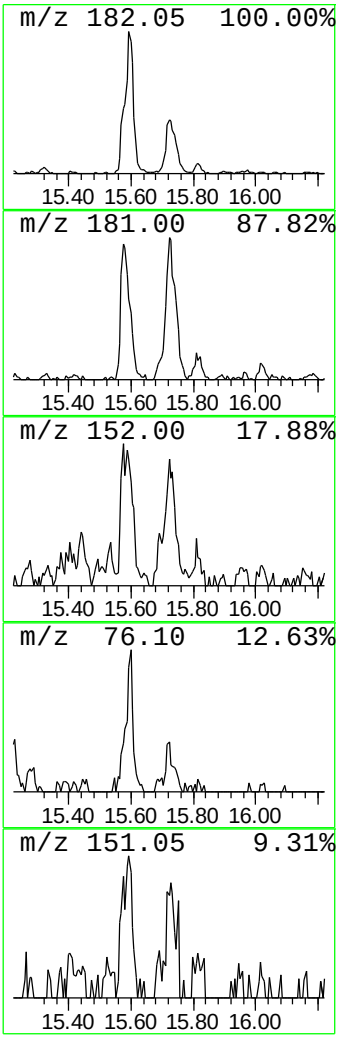
****

Peak Number 7 Dibenzofuran, 4-methyl- Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.72	2.24 ng/ul	190701	Phenanthrene-d10	16.97

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dibenzofuran, 4-methyl-	182	C13H10O	007320-53-8	87
2	9H-Fluoren-9-ol	182	C13H10O	001689-64-1	80
3	[1,1'-Biphenyl]-4-carboxaldehyde	182	C13H10O	003218-36-8	56
4	Pyridine, 4,4'-(1,2-ethenediyl)b...	182	C12H10N2	013362-78-2	56
5	9H-Xanthene	182	C13H10O	000092-83-1	53





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Acq On : 30 Jan 2018 09:15
Operator : SJ/JU
Sample : J1233-15DL 5X
Misc :
ALS Vial : 33 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F6B19DL

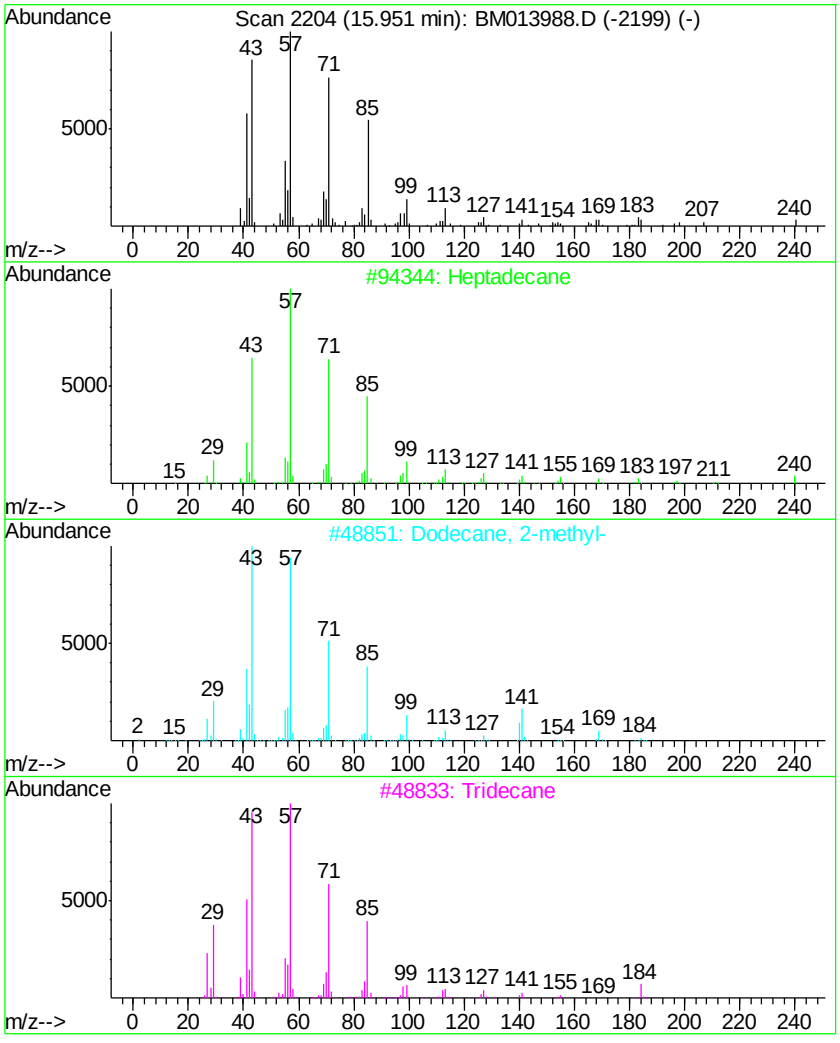
Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM011018.M
Quant Title : SVOA CALIBRATION

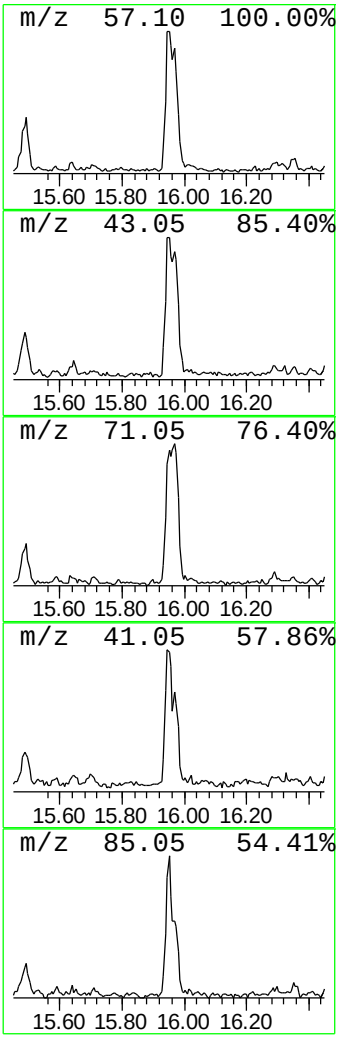
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 8 (DEL) Alkane: Straight-Chai... Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.95	5.17 ng/ul	440711	Phenanthrene-d10	16.97

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heptadecane	240	C17H36	000629-78-7	94
2	Dodecane, 2-methyl-	184	C13H28	001560-97-0	90
3	Tridecane	184	C13H28	000629-50-5	90
4	Sulfurous acid, 2-propyl tridecy...	306	C16H34O3S	1000309-12-4	90
5	Tetradecane	198	C14H30	000629-59-4	87





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Data File : BM013988.D
Acq On : 30 Jan 2018 09:15
Operator : SJ/JU
Sample : J1233-15DL 5X
Misc :
ALS Vial : 33 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F6B19DL

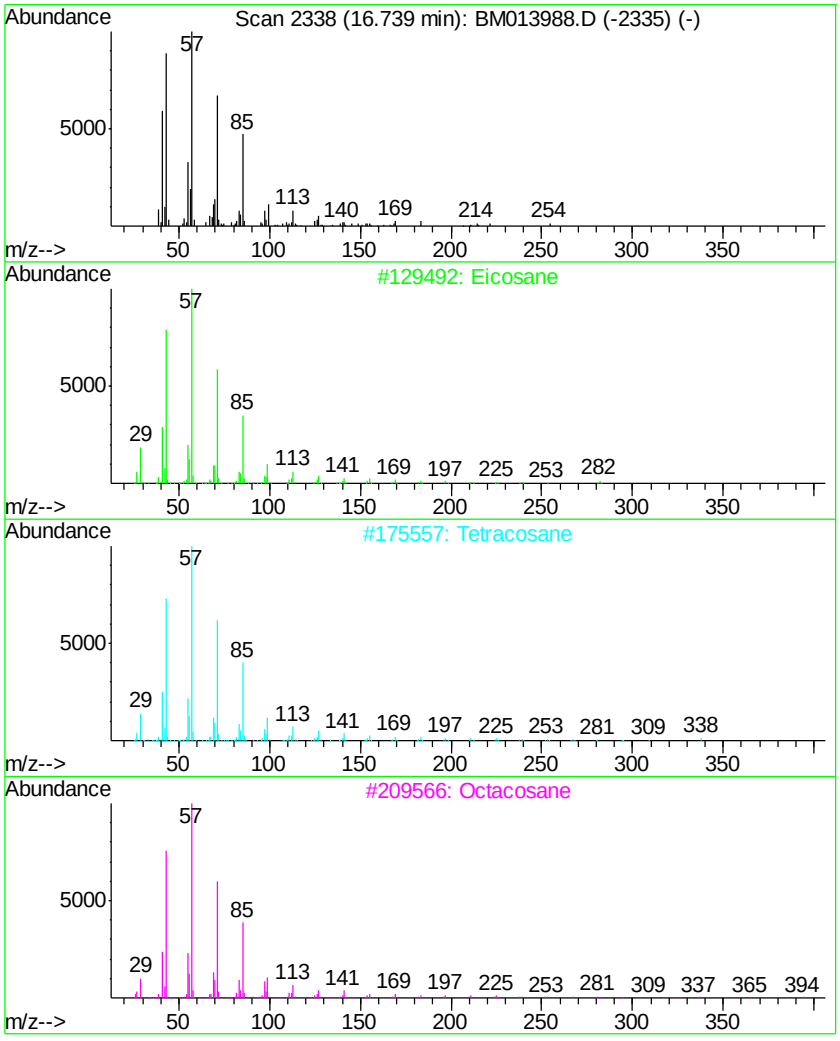
Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM011018.M
Quant Title : SVOA CALIBRATION

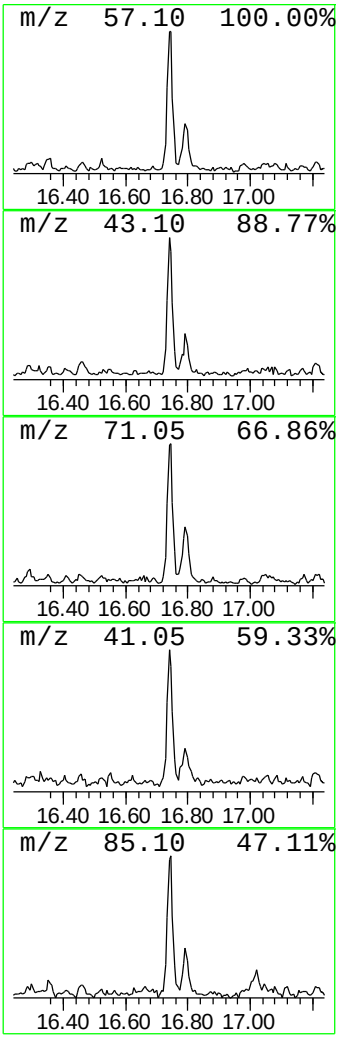
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 9 (DEL) Alkane: Straight-Chai... Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.74	4.36 ng/ul	371776	Phenanthrene-d10	16.97

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Eicosane	282	C20H42	000112-95-8	91
2	Tetracosane	338	C24H50	000646-31-1	87
3	Octacosane	394	C28H58	000630-02-4	87
4	Heptadecane, 8-methyl-	254	C18H38	013287-23-5	87
5	Heptacosane	380	C27H56	000593-49-7	86





Data Path : Z:\HPCHEM1\BNA M\DATA\BM012918\
Data File : BM013988.D
Acq On : 30 Jan 2018 09:15
Operator : SJ/JU
Sample : J1233-15DL 5X
Misc :
ALS Vial : 33 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F6B19DL

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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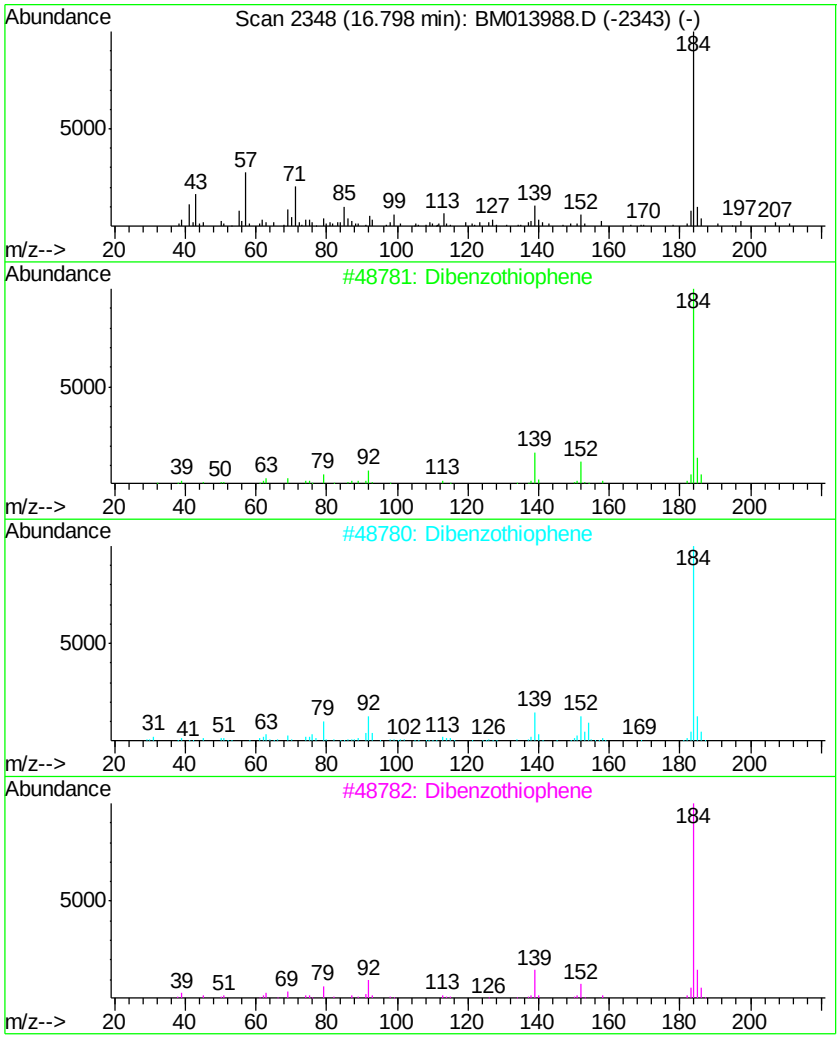
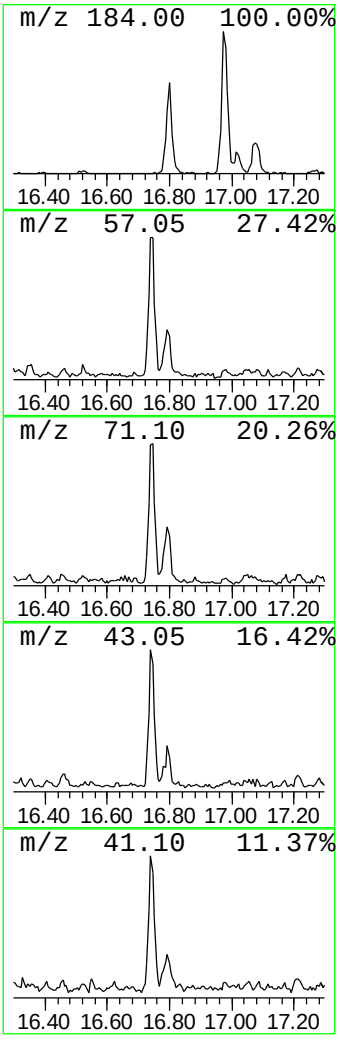
Peak Number 10 Dibenzothiophene Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.80	3.59 ng/ul	306581	Phenanthrene-d10	16.97

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dibenzothiophene	184	C12H8S	000132-65-0	76
2	Dibenzothiophene	184	C12H8S	000132-65-0	64
3	Dibenzothiophene	184	C12H8S	000132-65-0	64
4	Dibenzothiophene, 5-oxide	200	C12H8OS	001013-23-6	59
5	Dibenzothiophene	184	C12H8S	000132-65-0	59





Data Path : Z:\HPCHEM1\BNA M\DATA\BM012918\
Data File : BM013988.D
Acq On : 30 Jan 2018 09:15
Operator : SJ/JU
Sample : J1233-15DL 5X
Misc :
ALS Vial : 33 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F6B19DL

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

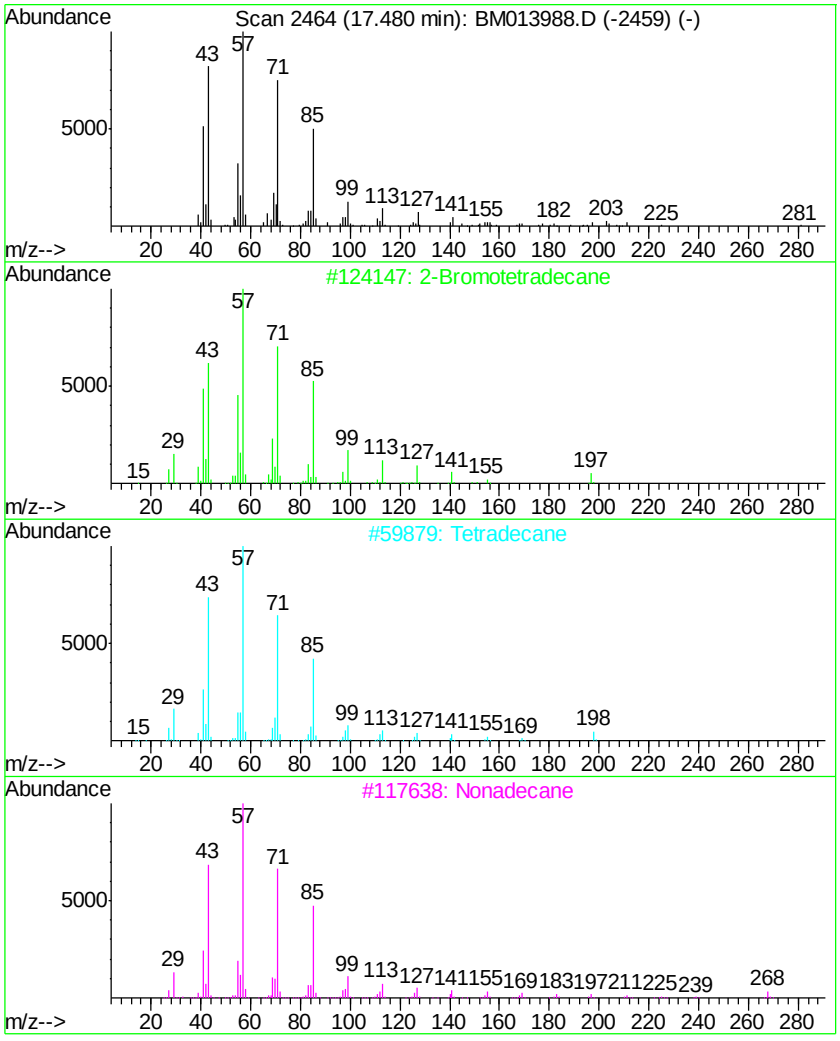
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

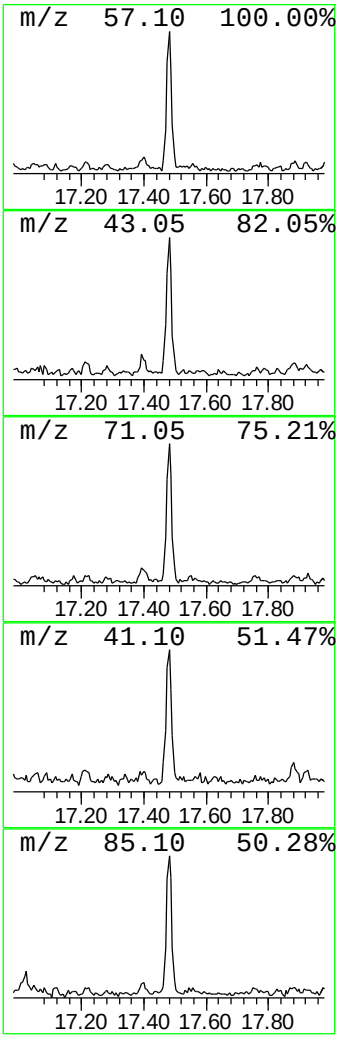
****

Peak Number 11 2-Bromotetradecane Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.48	4.28 ng/ul	365358	Phenanthrene-d10	16.97

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Bromotetradecane	276	C14H29Br	074036-95-6	91
2	Tetradecane	198	C14H30	000629-59-4	91
3	Nonadecane	268	C19H40	000629-92-5	91
4	Heptadecane, 2,6,10,15-tetramethyl-	296	C21H44	054833-48-6	91
5	Tetracosane	338	C24H50	000646-31-1	91





Data Path : Z:\HPCHEM1\BNA M\DATA\BM012918\
Data File : BM013988.D
Acq On : 30 Jan 2018 09:15
Operator : SJ/JU
Sample : J1233-15DL 5X
Misc :
ALS Vial : 33 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F6B19DL

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

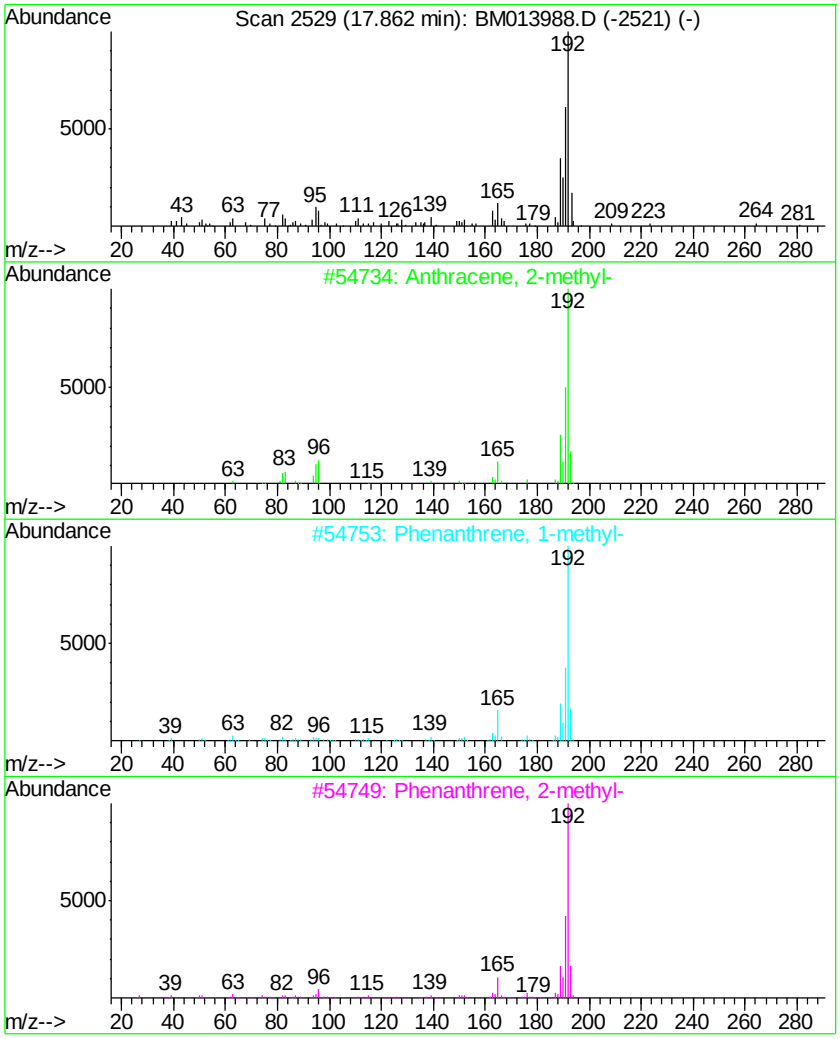
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

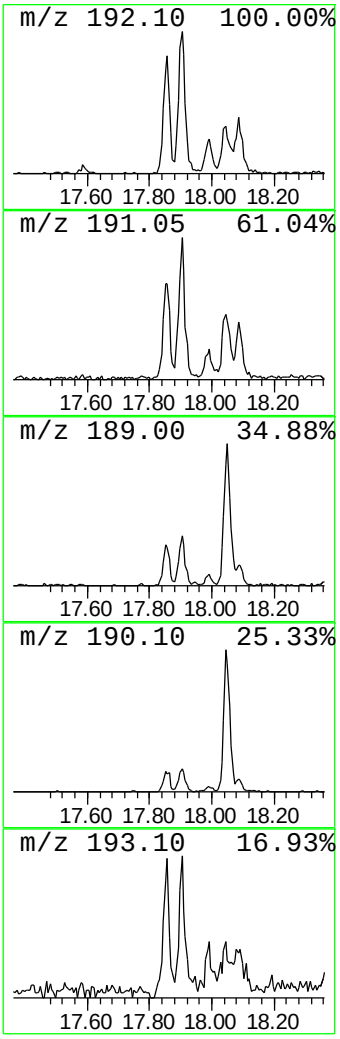
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.86	2.72 ng/ul	232285	Phenanthrene-d10	16.97

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene, 2-methyl-	192	C15H12	000613-12-7	93
2	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	93
3	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	93
4	Anthracene, 1-methyl-	192	C15H12	000610-48-0	91
5	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	91





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Acq On : 30 Jan 2018 09:15
Operator : SJ/JU
Sample : J1233-15DL 5X
Misc :
ALS Vial : 33 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F6B19DL

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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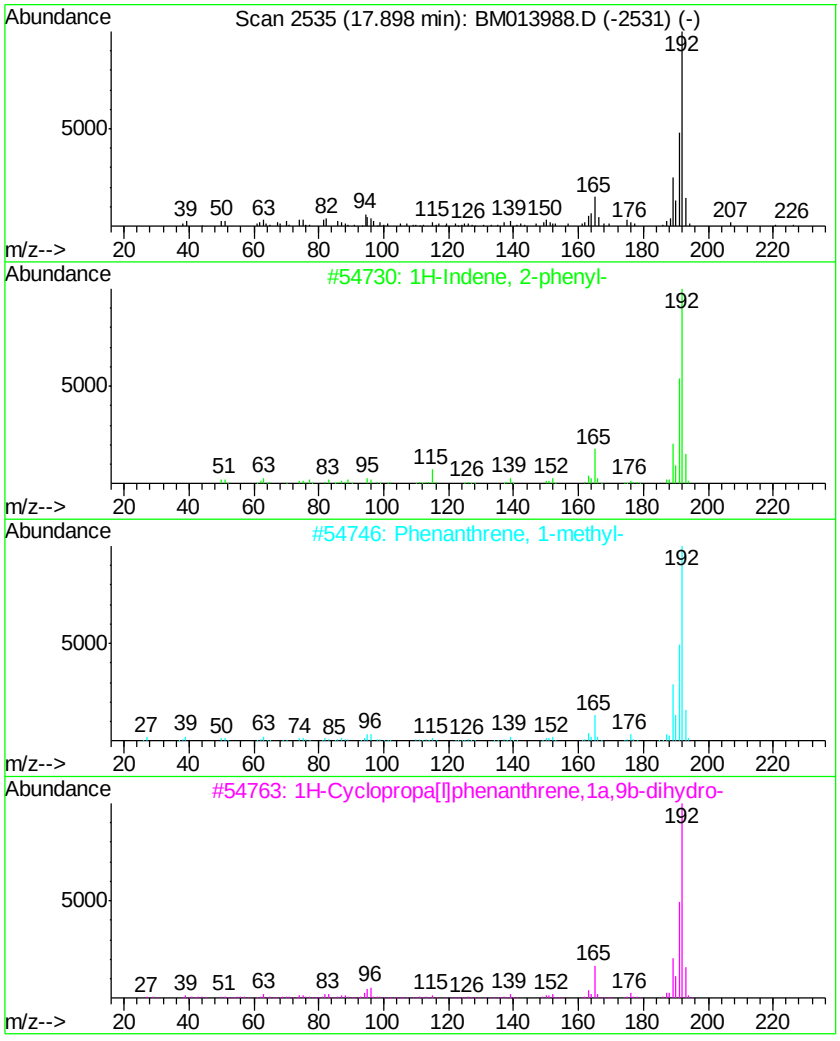
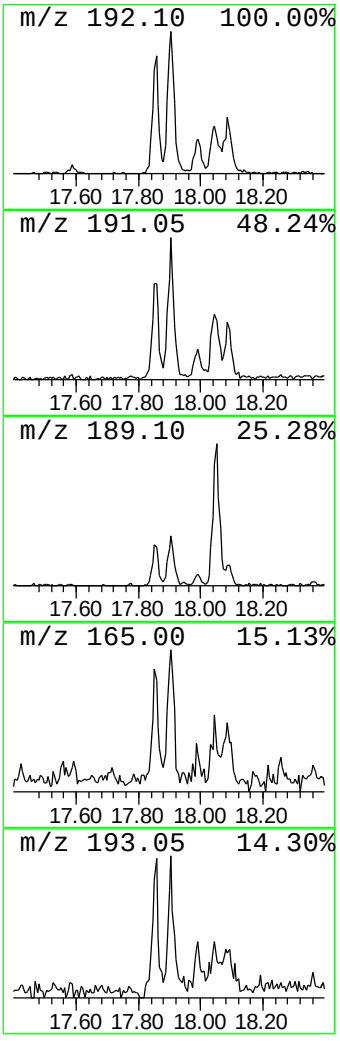
Peak Number 13 1H-Indene, 2-phenyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.90	4.20 ng/ul	358153	Phenanthrene-d10	16.97

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	94
2	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	93
3	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	93
4	5H-Dibenzo[a,d]cycloheptene	192	C15H12	000256-81-5	91
5	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	91





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Acq On : 30 Jan 2018 09:15
Operator : SJ/JU
Sample : J1233-15DL 5X
Misc :
ALS Vial : 33 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F6B19DL

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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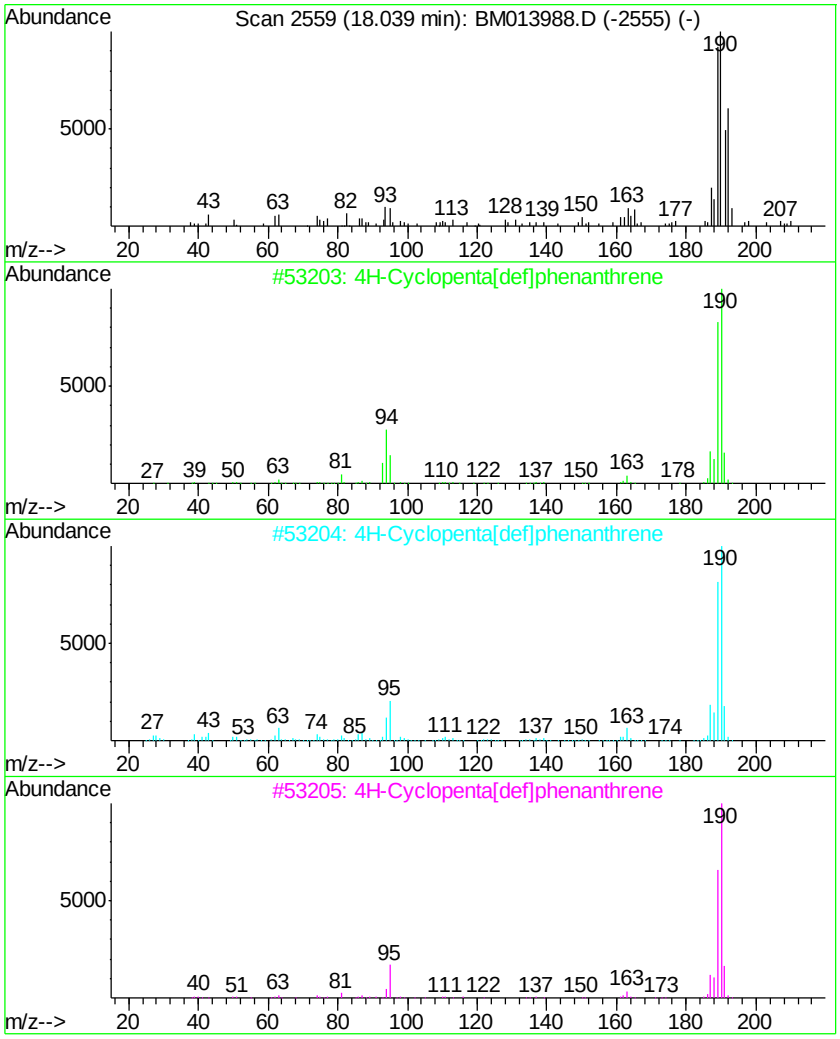
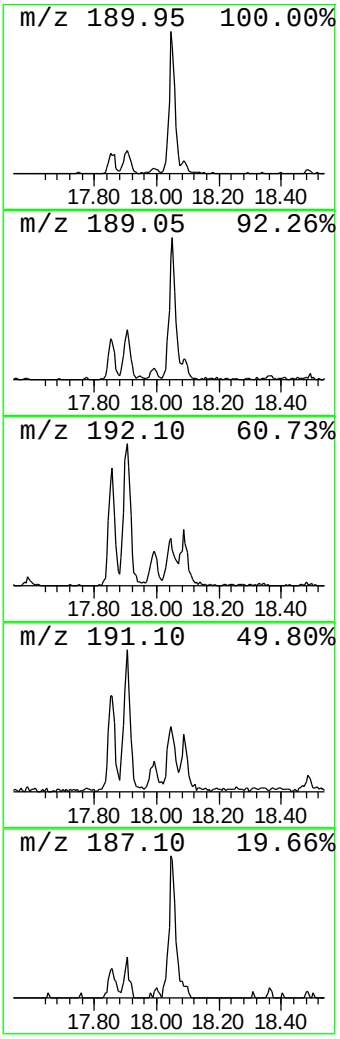
Peak Number 14 4H-Cyclopenta[def]phenanthrene Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.04	4.20 ng/ul	358261	Phenanthrene-d10	16.97

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	64
2	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	58
3	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	45
4	2,2'-Bis(4,5-dimethylimidazole)	190	C10H14N4	069286-06-2	40
5	Thiophene-3-carboxaldehyde, 5-ch...	190	C5H4BClO3S	036155-87-0	40





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Acq On : 30 Jan 2018 09:15
Operator : SJ/JU
Sample : J1233-15DL 5X
Misc :
ALS Vial : 33 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F6B19DL

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

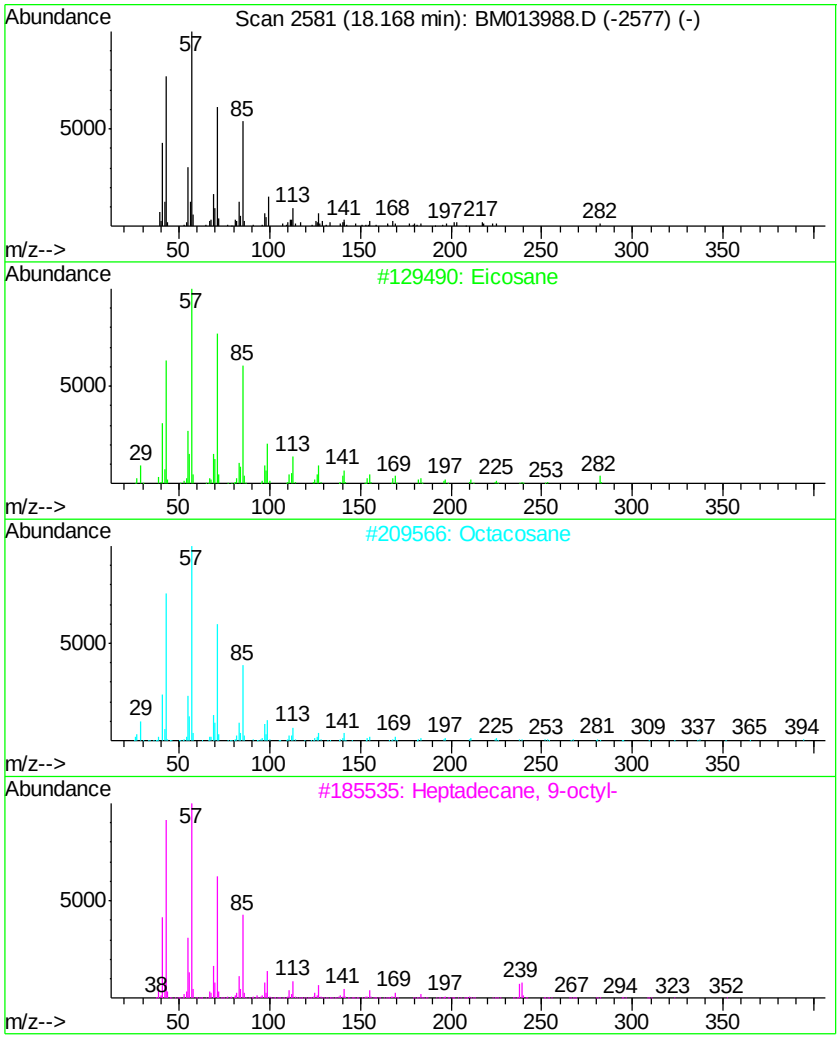
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

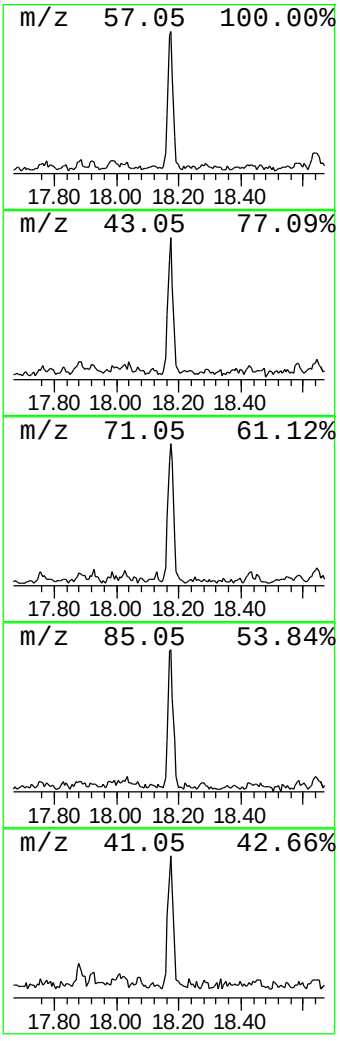
****

Peak Number 15 (DEL) Alkane: Straight-Chai... Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.17	3.59 ng/ul	305952	Phenanthrene-d10	16.97

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Eicosane	282	C20H42	000112-95-8	93
2	Octacosane	394	C28H58	000630-02-4	90
3	Heptadecane, 9-octyl-	352	C25H52	007225-64-1	90
4	Eicosane	282	C20H42	000112-95-8	89
5	Heneicosane	296	C21H44	000629-94-7	87





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Operator : SJ/JU
Sample : J1233-15DL 5X
Misc :
ALS Vial : 33 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F6B19DL

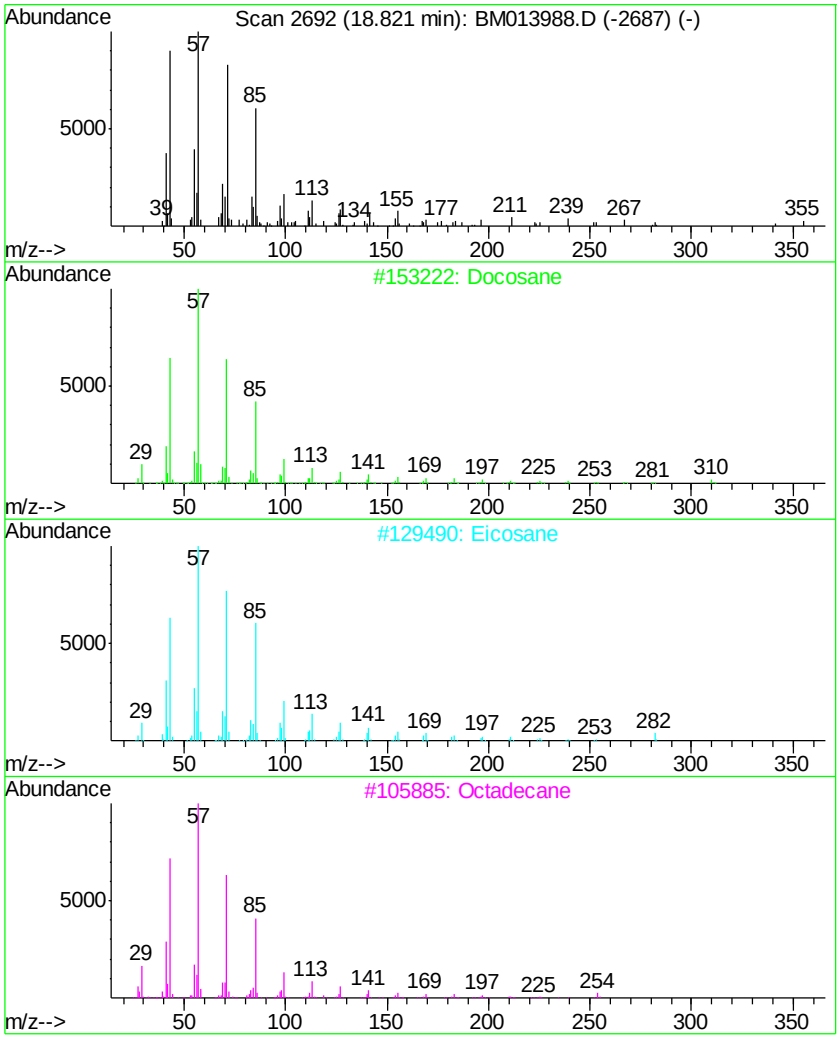
Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM011018.M
Quant Title : SVOA CALIBRATION

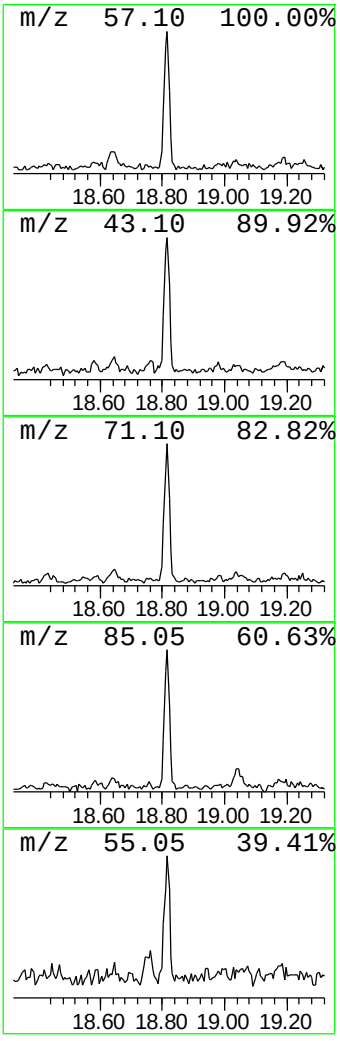
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 16 (DEL) Alkane: Straight-Chai... Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.82	3.42 ng/ul	291902	Phenanthrene-d10	16.97

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Docosane	310	C22H46	000629-97-0	91
2	Eicosane	282	C20H42	000112-95-8	91
3	Octadecane	254	C18H38	000593-45-3	91
4	Nonadecane	268	C19H40	000629-92-5	91
5	Hexacosane	366	C26H54	000630-01-3	91





Tentatively Identified Compound (LSC) summary

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Data File : BM013988.D
Acq On : 30 Jan 2018 09:15
Operator : SJ/JU
Sample : J1233-15DL 5X
Misc :
ALS Vial : 33 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F6B19DL

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
Naphthalene, 1-me...	12.24	7.8	ng/ul	355591	2	10.34	912632	20.0
Naphthalene, 1,6-...	13.40	2.7	ng/ul	195906	3	14.22	1450130	20.0
Naphthalene, 2,7-...	13.54	2.7	ng/ul	198889	3	14.22	1450130	20.0
(DEL) Alkane: Str...	14.13	2.8	ng/ul	205774	3	14.22	1450130	20.0
(DEL) Alkane: Str...	15.09	3.6	ng/ul	263077	3	14.22	1450130	20.0
Benzophenone	15.59	9.4	ng/ul	684607	3	14.22	1450130	20.0
Dibenzofuran, 4-m...	15.72	2.2	ng/ul	190701	4	16.97	1706260	20.0
(DEL) Alkane: Str...	15.95	5.2	ng/ul	440711	4	16.97	1706260	20.0
(DEL) Alkane: Str...	16.74	4.4	ng/ul	371776	4	16.97	1706260	20.0
Dibenzothiophene	16.80	3.6	ng/ul	306581	4	16.97	1706260	20.0
2-Bromotetradecane	17.48	4.3	ng/ul	365358	4	16.97	1706260	20.0
Anthracene, 2-met...	17.86	2.7	ng/ul	232285	4	16.97	1706260	20.0
1H-Indene, 2-phenyl-	17.90	4.2	ng/ul	358153	4	16.97	1706260	20.0
4H-Cyclopenta[def...	18.04	4.2	ng/ul	358261	4	16.97	1706260	20.0
(DEL) Alkane: Str...	18.17	3.6	ng/ul	305952	4	16.97	1706260	20.0
(DEL) Alkane: Str...	18.82	3.4	ng/ul	291902	4	16.97	1706260	20.0