LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM090716\
Data File : BM007452.D
Acq On : 07 Sep 2016 23:06
Operator : UM/SJ
Sample : H4666-08
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BD3A5

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\SOM02.2-EPA-BM082316.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	5.457	481	488	498	rBV	54546	107982	1.21%	0.106%
2	5.822	544	550	556	rBV	92200	144162	1.61%	0.142%
3	6.963	735	744	752	rBV2	413642	910717	10.18%	0.898%
4	7.128	766	772	777	rBV	354093	545894	6.10%	0.538%
5	7.328	800	806	815	rVB	440303	725886	8.12%	0.716%
6	7.792	875	885	894	rBV	945487	1595190	17.84%	1.573%
7	8.492	999	1004	1012	rVV	478104	810526	9.06%	0.799%
8	8.945	1074	1081	1088	rBV	508484	856996	9.58%	0.845%
9	9.663	1196	1203	1214	rBV	388491	705475	7.89%	0.696%
10	9.998	1252	1260	1270	rBV7	39344	107116	1.20%	0.106%
11	10.204	1288	1295	1303	rVB	564165	1026960	11.48%	1.013%
12	10.575	1348	1358	1363	rBV	1519627	2731683	30.55%	2.694%
13	10.628	1363	1367	1373	rVV	255480	439890	4.92%	0.434%
14	10.728	1373	1384	1390	rVB2	104638	230933	2.58%	0.228%
15	11.592	1526	1531	1539	rBV	136351	218046	2.44%	0.215%
16	11.992	1593	1599	1610	rBV	142211	226755	2.54%	0.224%
17	12.239	1634	1641	1647	rVB	390884	650471	7.27%	0.641%
18	12.457	1672	1678	1685	rBV	304816	495443	5.54%	0.489%
19	12.951	1758	1762	1768	rVB2	101743	155052	1.73%	0.153%
20	13.245	1805	1812	1819	rBV2	254461	465574	5.21%	0.459%
21	13.333	1819	1827	1836	rVB7	64875	183061	2.05%	0.181%
22	13.586	1864	1870	1871	rBV2	118610	188114	2.10%	0.185%
23	13.739	1891	1896	1901	rVV	275893	504870	5.65%	0.498%
24	13.798	1901	1906	1908	rVV	250086	413075	4.62%	0.407%
25	13.833	1908	1912	1916	rVV	1325635	1865959	20.87%	1.840%
26	13.880	1916	1920	1928	rVB	796378	1327163	14.84%	1.309%
27	13.980	1933	1937	1940	rVV	173749	259780	2.90%	0.256%
28	14.016	1940	1943	1947	rVB4	75192	107376	1.20%	0.106%
29	14.116	1954	1960	1971	rVB	1655434	2625045	29.35%	2.588%
30	14.316	1990	1994	2002	rVB	276542	366552	4.10%	0.361%
31	14.427	2002	2013	2019	rBV2	2522272	4308057	48.17%	4.248%
32	14.510	2024	2027	2031	rVB2	87511	119966	1.34%	0.118%
33	14.645	2043	2050	2056	rBV6	107343	245474	2.74%	0.242%
34	14.721	2056	2063	2067	rBV3	72029	138511	1.55%	0.137%

LSC Area Percent Report

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Acq On : 07 Sep 2016 23:06
Operator : UM/SJ
Sample : H4666-08
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BD3A5

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\SOM02.2-EPA-BM082316.M
Title : SVOA CALIBRATION

35	14.821	2075	2080	2087	rVB	422472	637176	7.13%	0.628%
36	14.898	2087	2093	2097	rVV	120526	189870	2.12%	0.187%
37	14.945	2097	2101	2108	rVB6	63512	124028	1.39%	0.122%
38	15.045	2113	2118	2122	rVV2	120715	195179	2.18%	0.192%
39	15.092	2122	2126	2131	rVB	120438	166035	1.86%	0.164%
40	15.210	2140	2146	2150	rBV4	186193	314030	3.51%	0.310%
41	15.268	2152	2156	2162	rVB	331565	458922	5.13%	0.453%
42	15.351	2164	2170	2173	rBV4	63236	119221	1.33%	0.118%
43	15.416	2174	2181	2186	rVV	2164433	3175994	35.52%	3.132%
44	15.463	2186	2189	2193	rVB3	191796	239793	2.68%	0.236%
45	15.510	2193	2197	2199	rBV4	74033	116935	1.31%	0.115%
46	15.545	2199	2203	2208	rVB	301323	412457	4.61%	0.407%
47	15.680	2219	2226	2233	rVB5	171244	366190	4.09%	0.361%
48	15.763	2234	2240	2247	rVB	240856	438094	4.90%	0.432%
49	15.915	2258	2266	2273	rVB2	217714	550676	6.16%	0.543%
50	15.998	2274	2280	2287	rVB3	117324	264929	2.96%	0.261%
51	16.074	2288	2293	2298	rBV8	54014	110298	1.23%	0.109%
52	16.133	2298	2303	2304	rBV	529236	600715	6.72%	0.592%
53	16.474	2358	2361	2367	rVB3	88490	140512	1.57%	0.139%
54	16.633	2384	2388	2392	rVB3	74168	105712	1.18%	0.104%
55	16.704	2395	2400	2404	rBV2	217382	406033	4.54%	0.400%
56	16.821	2416	2420	2427	rBV2	384252	597992	6.69%	0.590%
57	16.927	2428	2438	2444	rBV	2367451	3503770	39.18%	3.455%
58	17.168	2473	2479	2483	rBV	3572104	5263615	58.86%	5.190%
59	17.210	2483	2486	2490	rVB	1222880	1549754	17.33%	1.528%
60	17.268	2490	2496	2501	rBV	2316555	3277361	36.65%	3.232%
61	17.351	2506	2510	2515	rBV2	107995	199649	2.23%	0.197%
62	17.457	2523	2528	2529	rBV2	97768	150158	1.68%	0.148%
63	17.480	2529	2532	2537	rVB2	243838	364939	4.08%	0.360%
64	17.574	2544	2548	2551	rBV	129450	181628	2.03%	0.179%
65	17.657	2559	2562	2566	rVB	400808	428135	4.79%	0.422%
66	17.745	2573	2577	2582	rBV	194824	265940	2.97%	0.262%
67	17.998	2617	2620	2623	rBV4	92228	110579	1.24%	0.109%
68	18.057	2623	2630	2632	rVV2	521009	1133746	12.68%	1.118%
69	18.086	2632	2635	2641	rVB	859364	1285214	14.37%	1.267%
70	18.227	2655	2659	2663	rBV2	430685	629891	7.04%	0.621%
71	18.274	2663	2667	2672	rVB	344483	508610	5.69%	0.502%

LSC Area Percent Report

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Acq On : 07 Sep 2016 23:06
Operator : UM/SJ
Sample : H4666-08
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BD3A5

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\SOM02.2-EPA-BM082316.M
Title : SVOA CALIBRATION

72	18.351	2676	2680	2684	rBV2	511103	667211	7.46%	0.658%
73	18.392	2684	2687	2690	rVV4	126570	170267	1.90%	0.168%
74	18.433	2691	2694	2699	rVB3	179630	264946	2.96%	0.261%
75	18.545	2708	2713	2716	rBV	535331	784659	8.77%	0.774%
76	18.586	2716	2720	2731	rVB2	487360	796900	8.91%	0.786%
77	18.786	2751	2754	2760	rBV3	202803	290373	3.25%	0.286%
78	18.839	2760	2763	2766	rVV	229313	300569	3.36%	0.296%
79	18.880	2767	2770	2773	rVB	234242	276803	3.10%	0.273%
80	18.962	2779	2784	2786	rBV	510622	791967	8.86%	0.781%
81	19.056	2796	2800	2803	rVB	254442	325295	3.64%	0.321%
82	19.104	2803	2808	2814	rBV2	383236	659868	7.38%	0.651%
83	19.221	2824	2828	2835	rVB	2022270	2844160	31.80%	2.805%
84	19.286	2835	2839	2842	rBV	319885	435182	4.87%	0.429%
85	19.562	2880	2886	2889	rBV2	3475594	5348108	59.80%	5.274%
86	19.662	2899	2903	2911	rVB2	365572	555043	6.21%	0.547%
87	19.903	2940	2944	2947	rBV3	359574	594241	6.65%	0.586%
88	20.098	2975	2977	2982	rVB	440580	422429	4.72%	0.417%
89	20.592	3058	3061	3065	rBV	461425	522034	5.84%	0.515%
90	20.827	3098	3101	3107	rBV	834951	1153755	12.90%	1.138%
91	21.050	3136	3139	3148	rVB2	984294	1584186	17.71%	1.562%
92	21.127	3149	3152	3158	rVB	530819	706413	7.90%	0.697%
93	21.350	3184	3190	3194	rBV2	5265746	8942629	100.00%	8.818%
94	21.386	3194	3196	3206	rVB2	1651616	2247232	25.13%	2.216%
95	22.903	3450	3454	3457	rBV	1266496	2168448	24.25%	2.138%
96	22.939	3457	3460	3476	rVB	1604952	3829387	42.82%	3.776%
97	23.421	3539	3542	3546	rBV	533802	760141	8.50%	0.750%
98	23.474	3546	3551	3557	rVB2	1743527	2952860	33.02%	2.912%
99	23.621	3570	3576	3583	rVB	2681726	4962080	55.49%	4.893%
100	24.127	3658	3662	3672	rVB	807281	1669316	18.67%	1.646%

Sum of corrected areas: 101414036

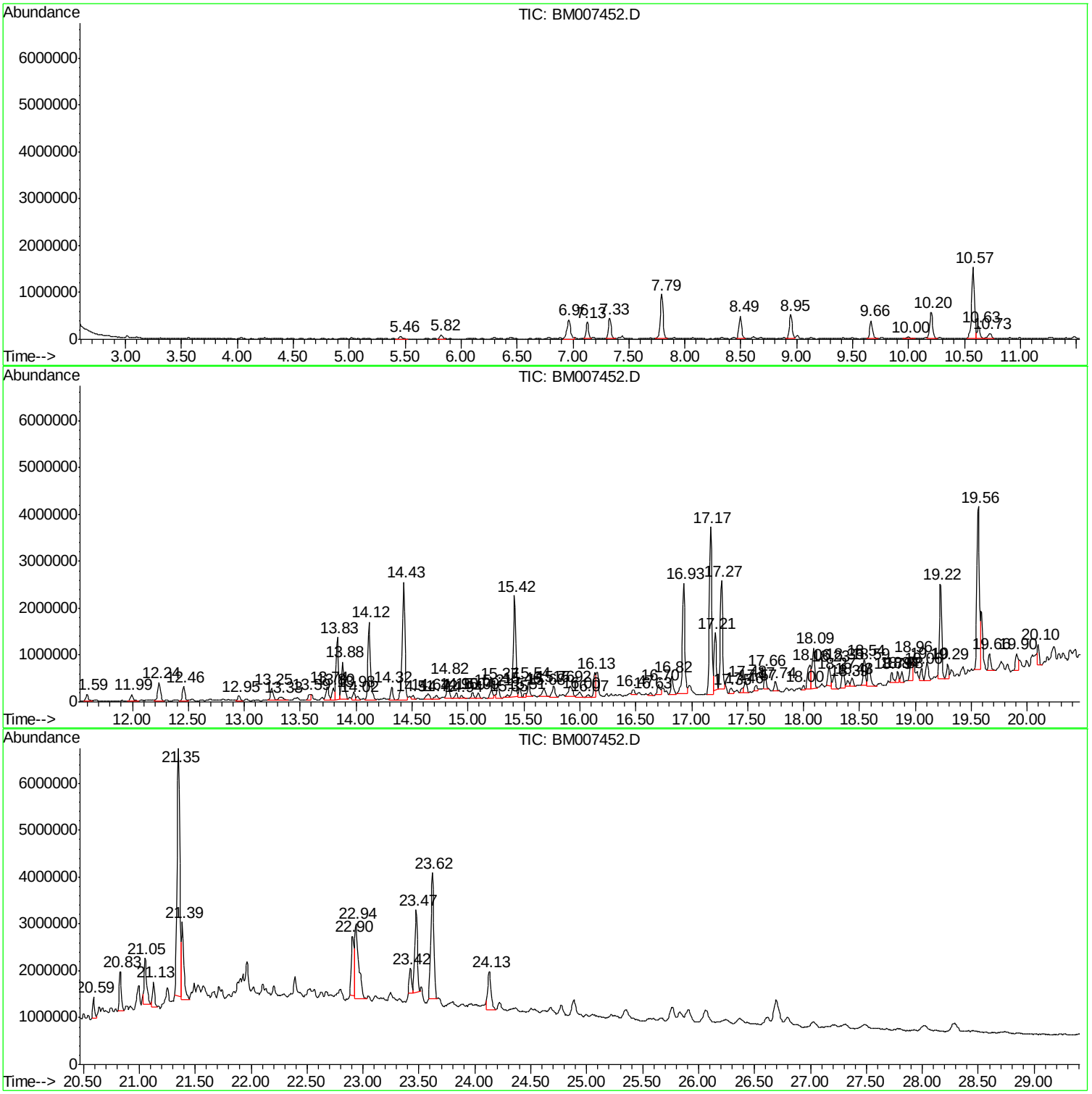
LSC Report - Integrated Chromatogram

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM090716\
Data File : BM007452.D
Acq On : 07 Sep 2016 23:06
Operator : UM/SJ
Sample : H4666-08
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BD3A5

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM082316.M
Quant Title : SVOA CALIBRATION

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



Data Path : Z:\HPCHEM1\BNA_M\DATA\BM090716\
Data File : BM007452.D
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Operator : UM/SJ
Sample : H4666-08
Misc :
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Instrument : BNA_M
ClientSampleId : BD3A5

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM082316.M
Quant Title : SVOA CALIBRATION

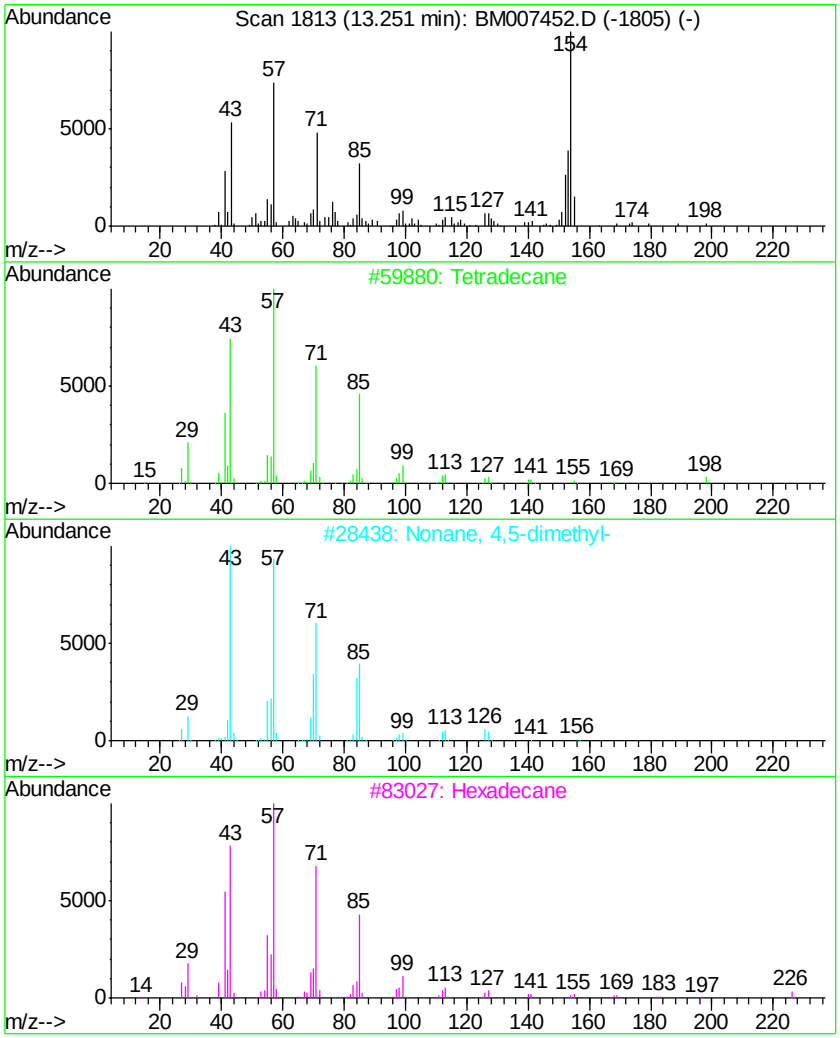
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

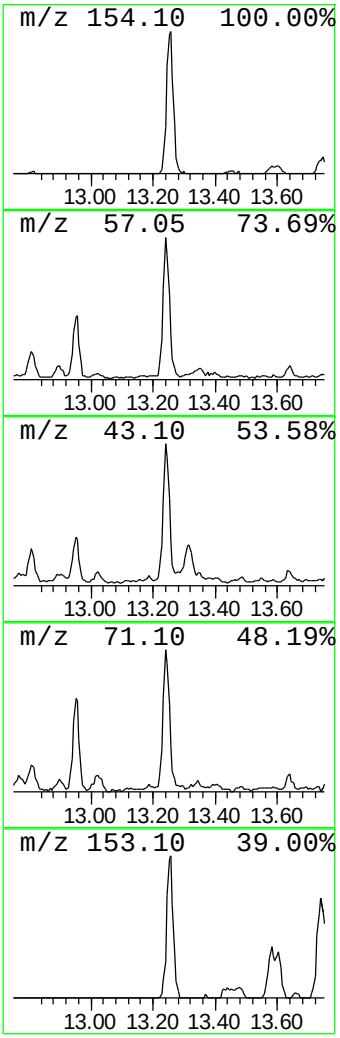
****

Peak Number 2 (DEL) Alkane: Straight-Chai... Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.25	2.16 ng/ul	465574	Acenaphthene-d10	14.43

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Tetradecane	198	C14H30	000629-59-4	90
2	Nonane, 4,5-dimethyl-	156	C11H24	017302-23-7	64
3	Hexadecane	226	C16H34	000544-76-3	55
4	Heptadecane, 8-methyl-	254	C18H38	013287-23-5	52
5	1-Octadecanesulphonyl chloride	352	C18H37ClO2S	1000342-70-4	46





Data Path : Z:\HPCHEM1\BNA_M\DATA\BM090716\
Data File : BM007452.D
Acq On : 07 Sep 2016 23:06
Operator : UM/SJ
Sample : H4666-08
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BD3A5

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM082316.M
Quant Title : SVOA CALIBRATION

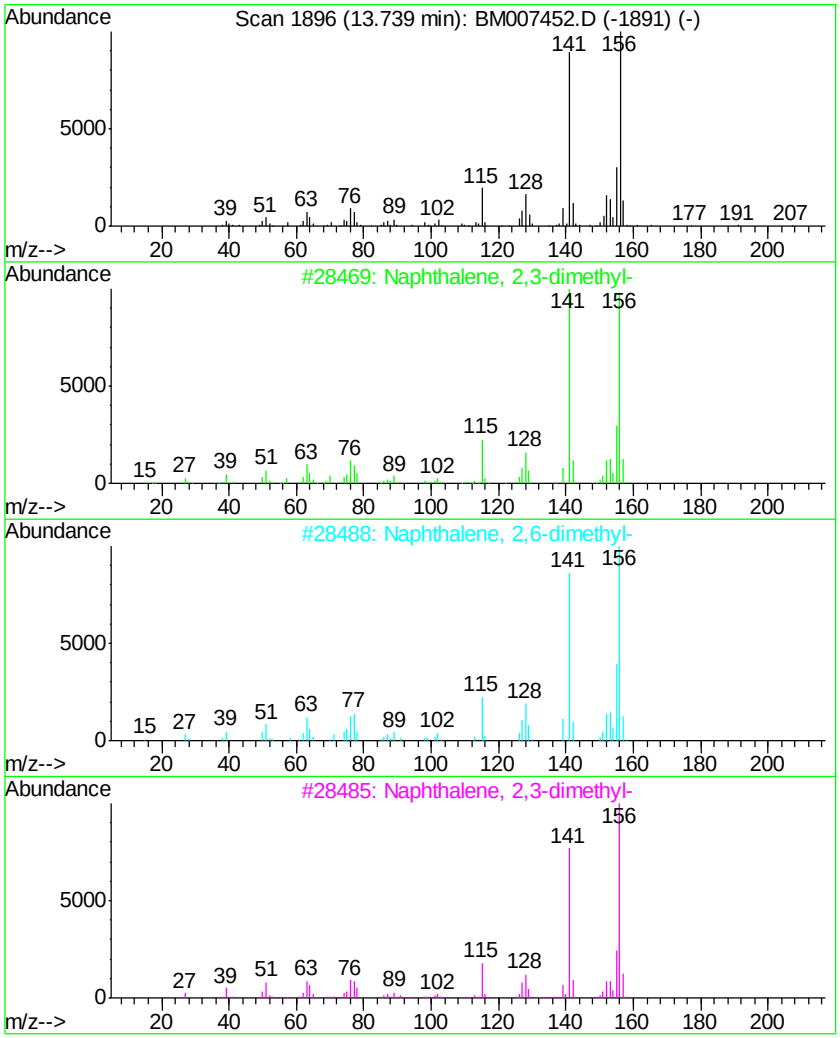
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

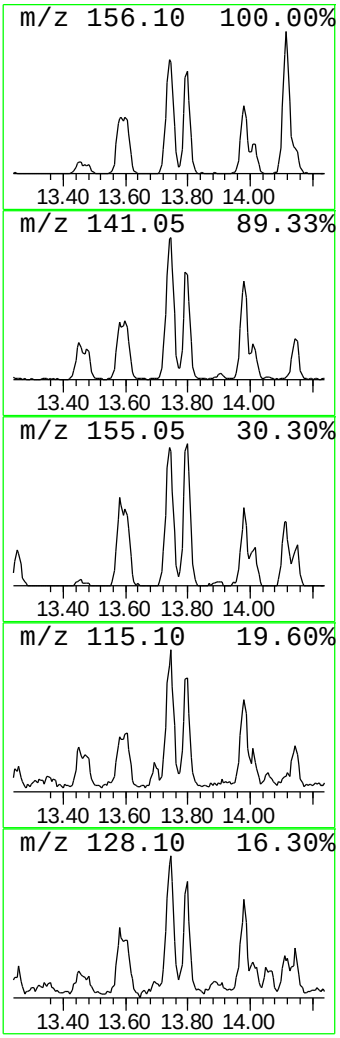
****

Peak Number 3 Naphthalene, 2,3-dimethyl- Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.74	2.34 ng/ul	504870	Acenaphthene-d10	14.43

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	98
2	Naphthalene, 2,6-dimethyl-	156	C12H12	000581-42-0	98
3	Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	97
4	Naphthalene, 2,6-dimethyl-	156	C12H12	000581-42-0	97
5	Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	97





Data Path : Z:\HPCHEM1\BNA_M\DATA\BM090716\
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Operator : UM/SJ
Sample : H4666-08
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BD3A5

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM082316.M
Quant Title : SVOA CALIBRATION

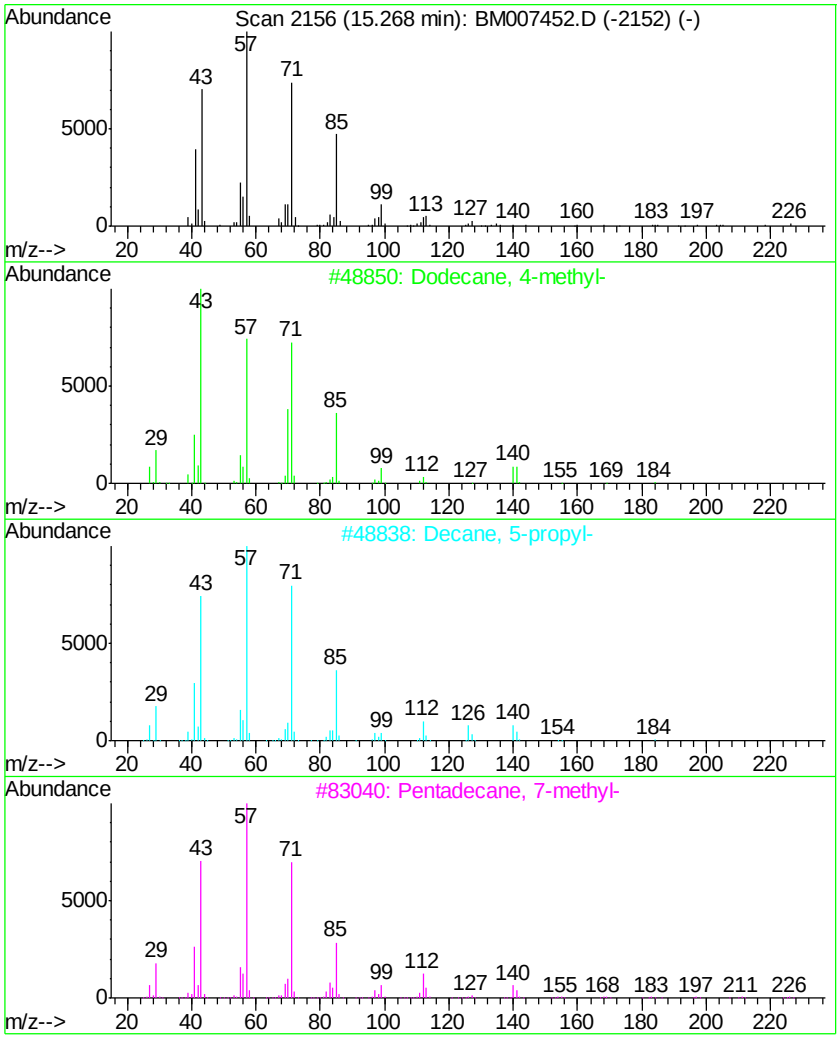
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

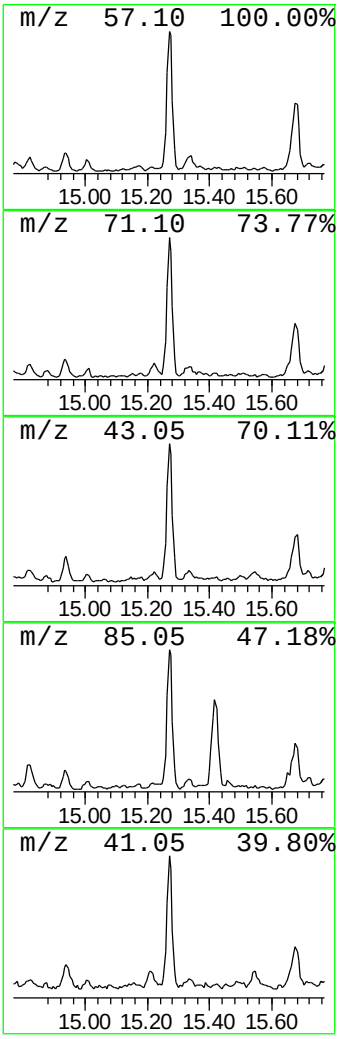
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.27	2.13 ng/ul	458922	Acenaphthene-d10	14.43

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dodecane, 4-methyl-	184	C13H28	006117-97-1	91
2	Decane, 5-propyl-	184	C13H28	017312-62-8	90
3	Pentadecane, 7-methyl-	226	C16H34	006165-40-8	87
4	Dodecane, 4-methyl-	184	C13H28	006117-97-1	87
5	Dodecane, 2-methyl-6-propyl-	226	C16H34	055045-08-4	86





Data Path : Z:\HPCHEM1\BNA_M\DATA\BM090716\
Data File : BM007452.D
Acq On : 07 Sep 2016 23:06
Operator : UM/SJ
Sample : H4666-08
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BD3A5

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM082316.M
Quant Title : SVOA CALIBRATION

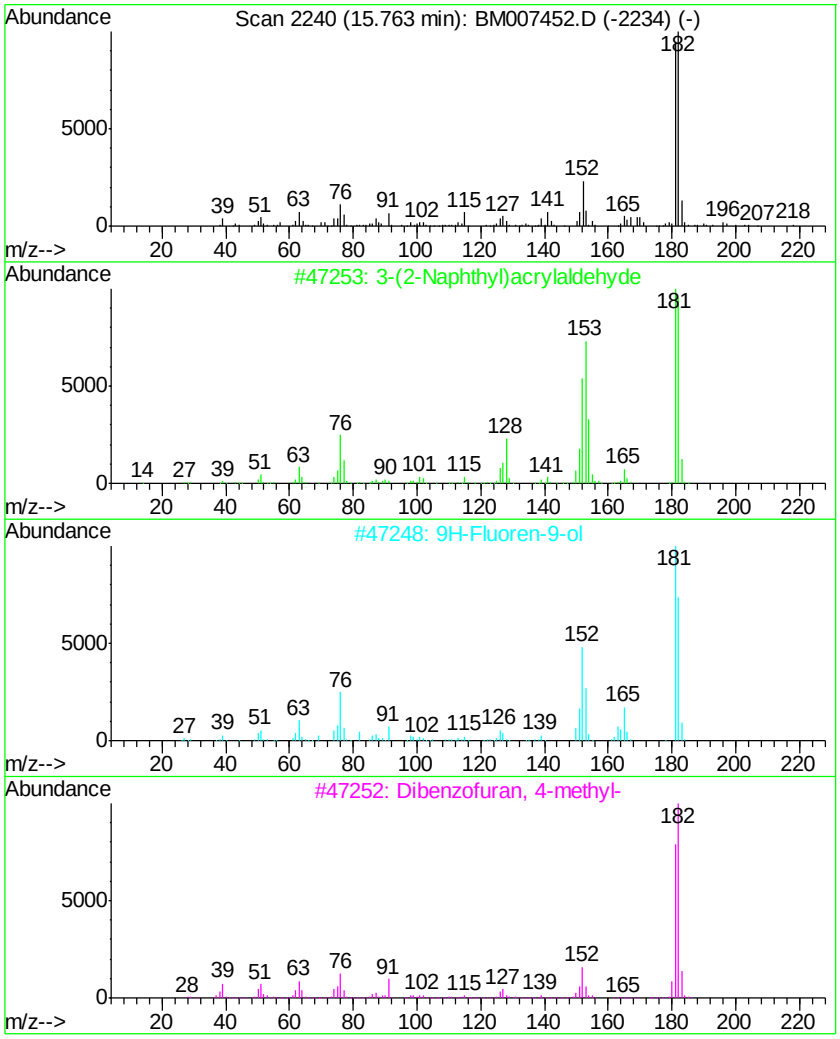
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

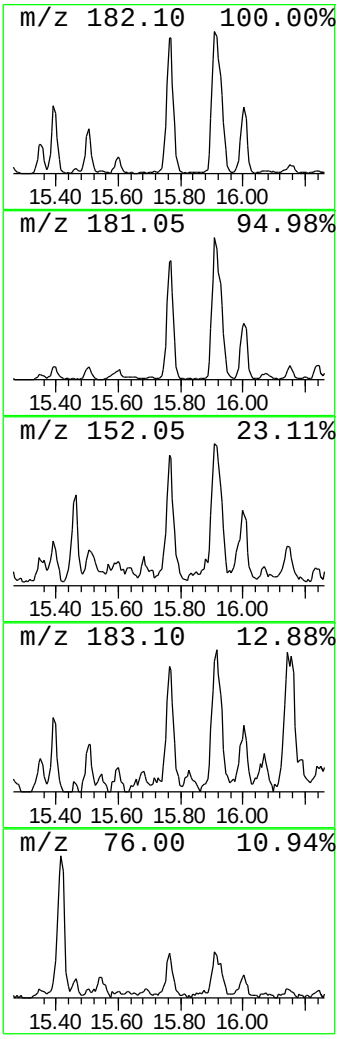
****

Peak Number 5 3-(2-Naphthyl)acrylaldehyde Concentration Rank 21

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.76	2.03 ng/ul	438094	Acenaphthene-d10	14.43

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-(2-Naphthyl)acrylaldehyde	182	C13H10O	020884-05-3	90
2	9H-Fluoren-9-ol	182	C13H10O	001689-64-1	87
3	Dibenzofuran, 4-methyl-	182	C13H10O	007320-53-8	87
4	[1,1'-Biphenyl]-4-carboxaldehyde	182	C13H10O	003218-36-8	86
5	[1,1'-Biphenyl]-4-carboxaldehyde	182	C13H10O	003218-36-8	86





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM090716\
Data File : BM007452.D
Acq On : 07 Sep 2016 23:06
Operator : UM/SJ
Sample : H4666-08
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BD3A5

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM082316.M
Quant Title : SVOA CALIBRATION

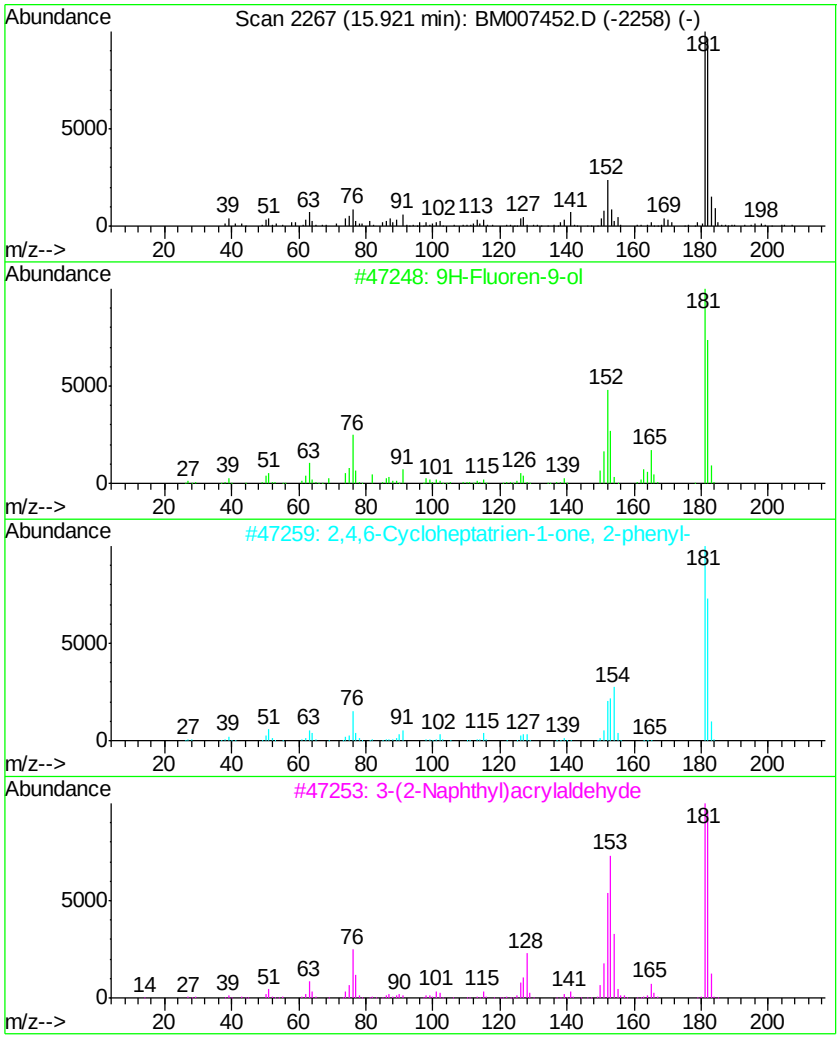
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

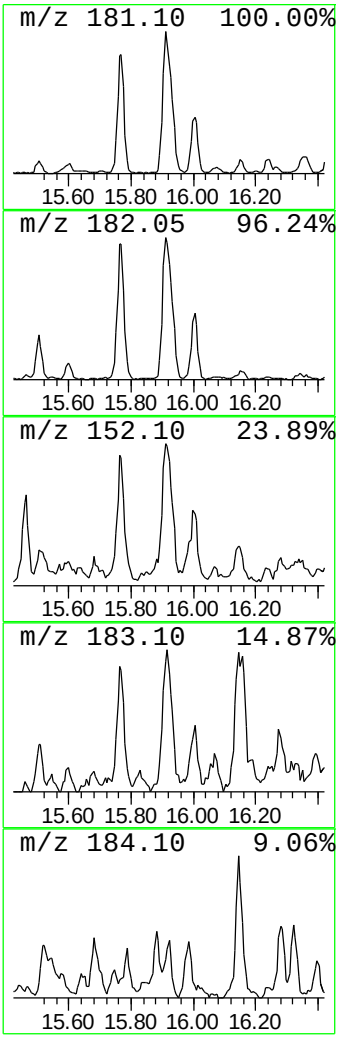
****

Peak Number 6 9H-Fluoren-9-ol Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.92	2.09 ng/ul	550676	Phenanthrene-d10	17.17

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9H-Fluoren-9-ol	182	C13H10O	001689-64-1	87
2	2,4,6-Cycloheptatrien-1-one, 2-p...	182	C13H10O	014562-09-5	83
3	3-(2-Naphthyl)acrylaldehyde	182	C13H10O	020884-05-3	80
4	9H-Fluoren-9-ol	182	C13H10O	001689-64-1	80
5	[1,1'-Biphenyl]-4-carboxaldehyde	182	C13H10O	003218-36-8	80





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Acq On : 07 Sep 2016 23:06
Operator : UM/SJ
Sample : H4666-08
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BD3A5

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Quant Title : SVOA CALIBRATION

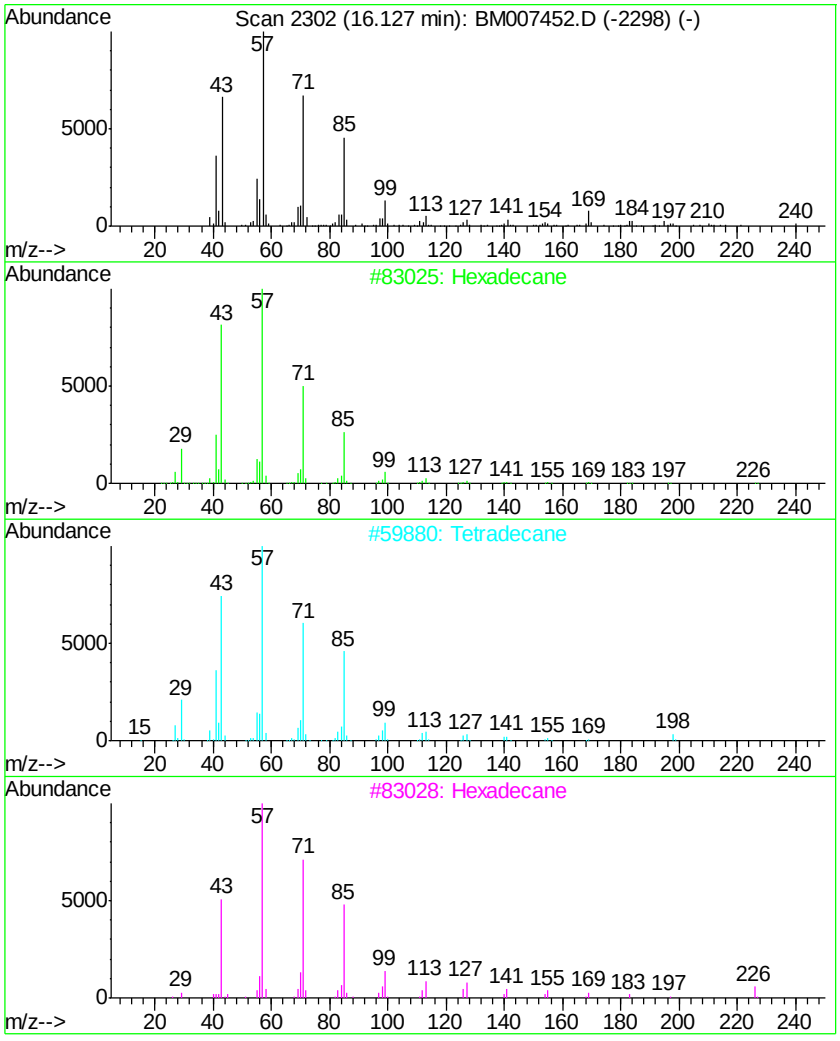
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

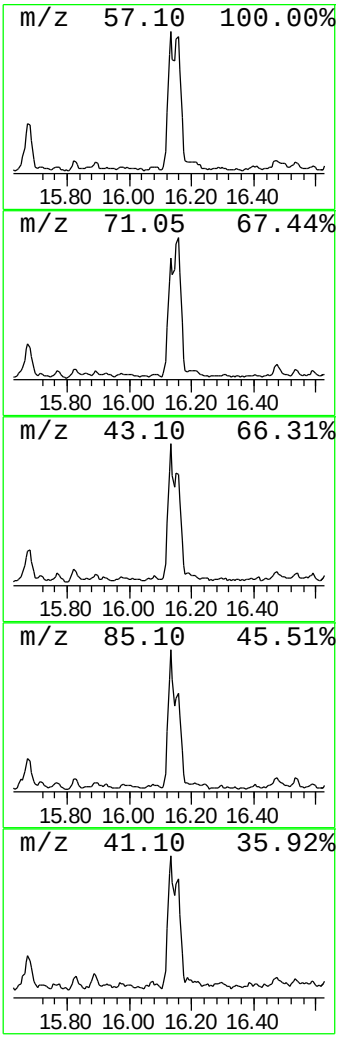
****

Peak Number 7 (DEL) Alkane: Straight-Chai... Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.13	2.28 ng/ul	600715	Phenanthrene-d10	17.17

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexadecane	226	C16H34	000544-76-3	92
2	Tetradecane	198	C14H30	000629-59-4	90
3	Hexadecane	226	C16H34	000544-76-3	81
4	Heneicosane	296	C21H44	000629-94-7	80
5	Tridecane, 6-propyl-	226	C16H34	055045-10-8	74





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Sample : H4666-08
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BD3A5

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Quant Title : SVOA CALIBRATION

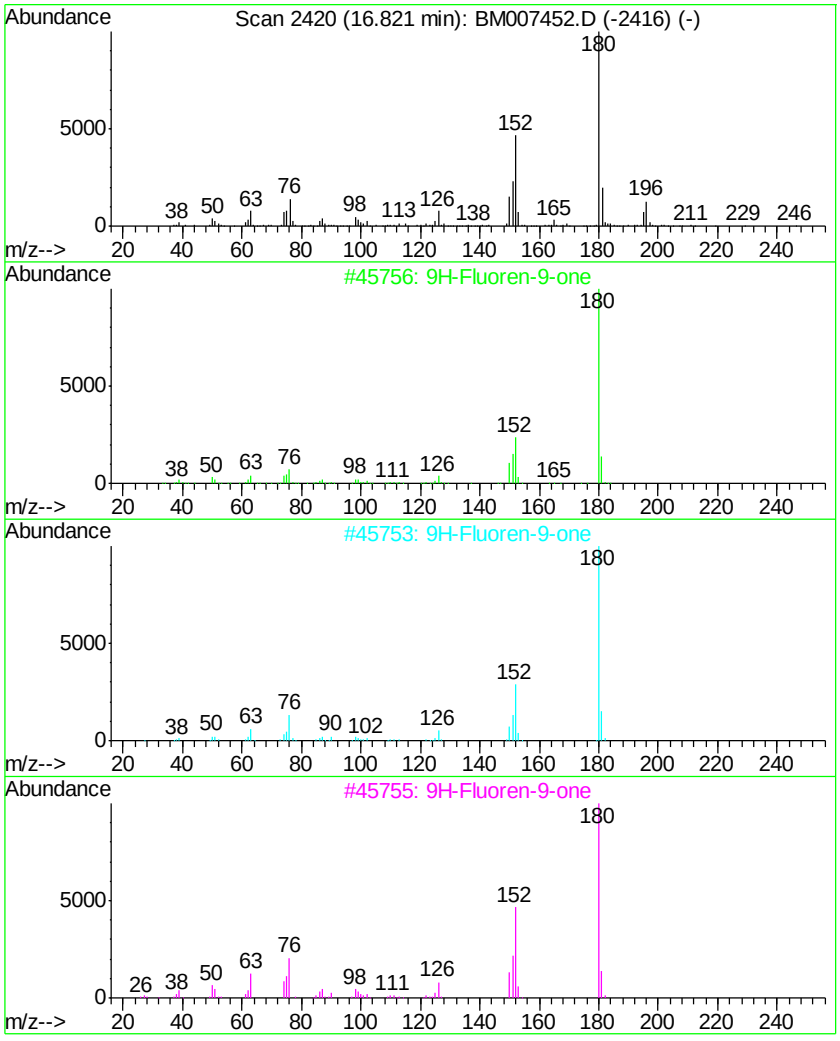
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

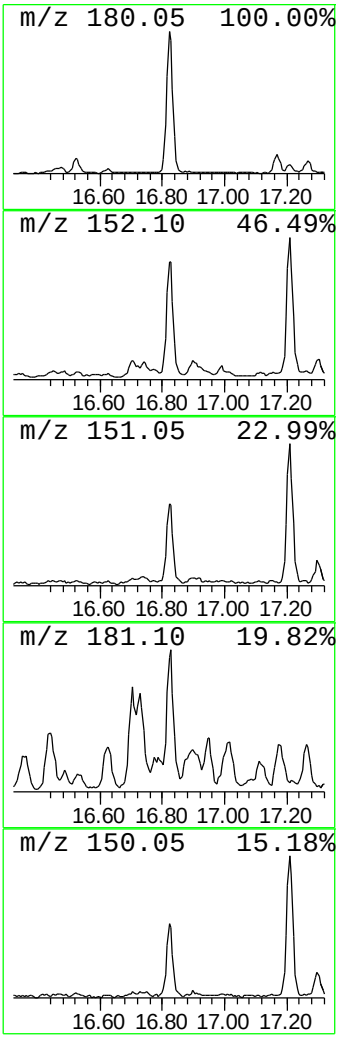
****

Peak Number 8 9H-Fluoren-9-one Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.82	2.27 ng/ul	597992	Phenanthrene-d10	17.17

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9H-Fluoren-9-one	180	C13H8O	000486-25-9	94
2	9H-Fluoren-9-one	180	C13H8O	000486-25-9	94
3	9H-Fluoren-9-one	180	C13H8O	000486-25-9	94
4	9H-Fluoren-9-one	180	C13H8O	000486-25-9	93
5	9,10-Phenanthrenedione	208	C14H8O2	000084-11-7	80





Library Search Compound Report

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Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BD3A5

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Quant Title : SVOA CALIBRATION

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

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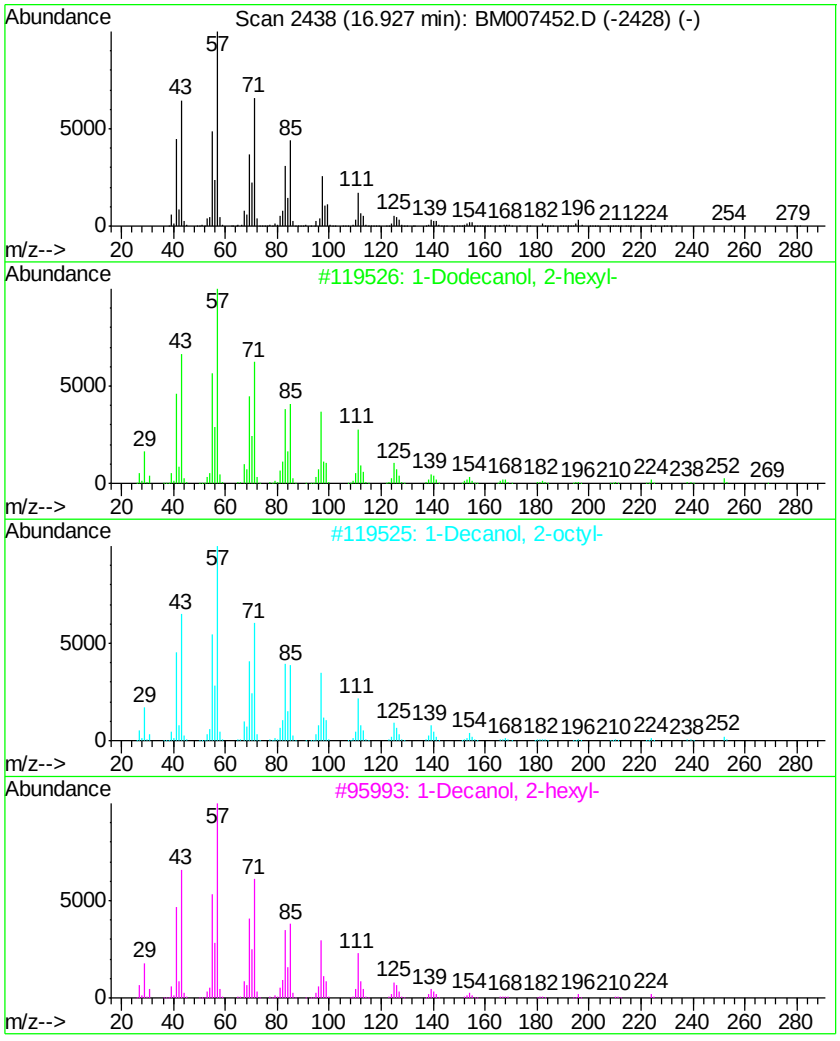
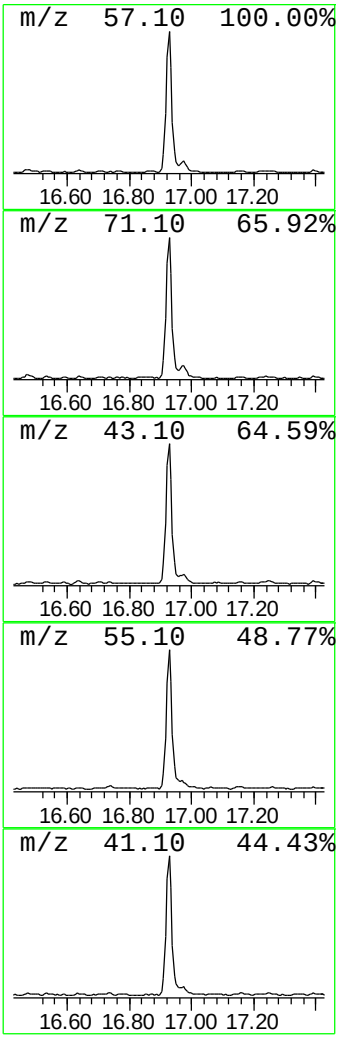
Peak Number 9 1-Dodecanol, 2-hexyl- Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.93	13.31 ng/ul	3503770	Phenanthrene-d10	17.17

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Dodecanol, 2-hexyl-	270	C18H38O	110225-00-8	91
2	1-Decanol, 2-octyl-	270	C18H38O	045235-48-1	91
3	1-Decanol, 2-hexyl-	242	C16H34O	002425-77-6	90
4	1-Dodecanol, 2-octyl-	298	C20H42O	005333-42-6	90
5	1-Decanol, 2-hexyl-	242	C16H34O	002425-77-6	90





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Acq On : 07 Sep 2016 23:06
Operator : UM/SJ
Sample : H4666-08
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BD3A5

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM082316.M
Quant Title : SVOA CALIBRATION

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

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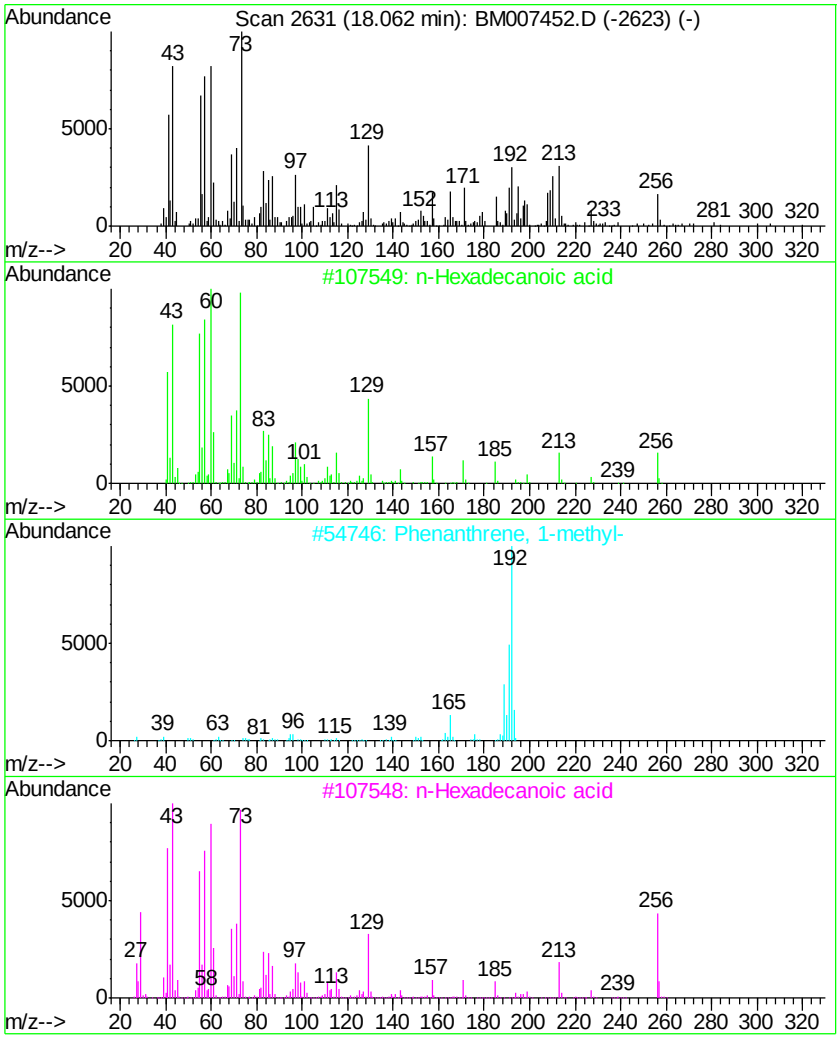
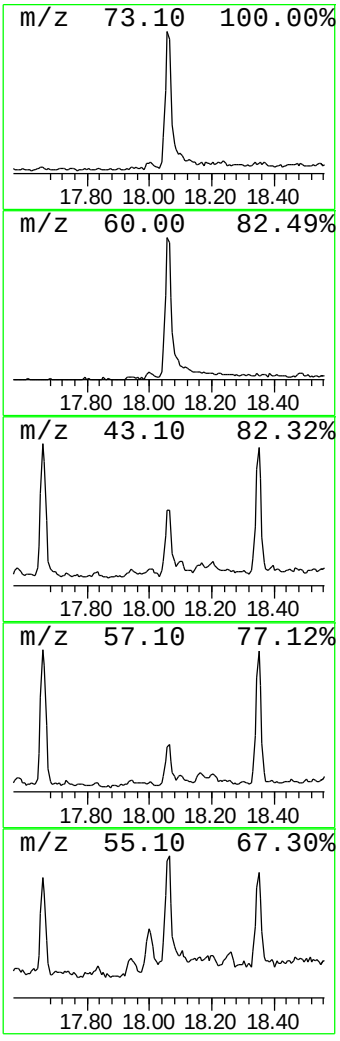
Peak Number 10 n-Hexadecanoic acid Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.06	4.31 ng/ul	1133750	Phenanthrene-d10	17.17

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	n-Hexadecanoic acid	256	C16H32O2	000057-10-3	95
2	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	94
3	n-Hexadecanoic acid	256	C16H32O2	000057-10-3	93
4	Anthracene, 2-methyl-	192	C15H12	000613-12-7	90
5	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	86





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Sample : H4666-08
Misc :
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Instrument : BNA_M
ClientSampleId : BD3A5

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Quant Title : SVOA CALIBRATION

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

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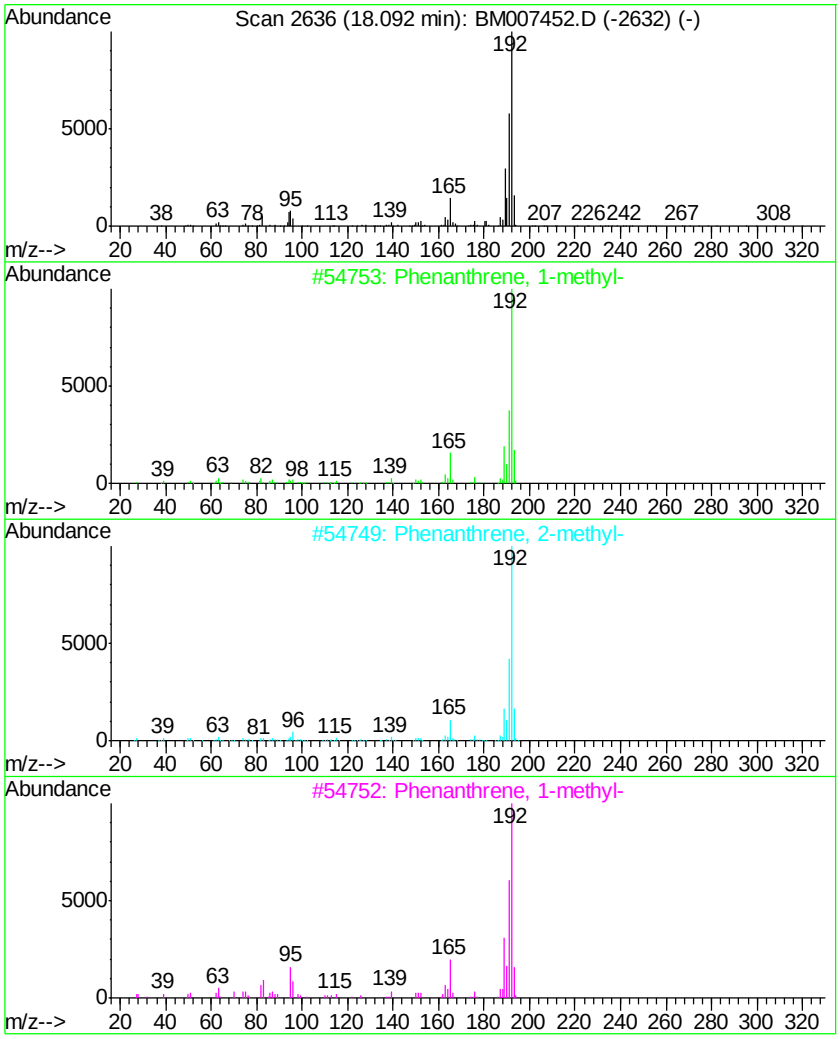
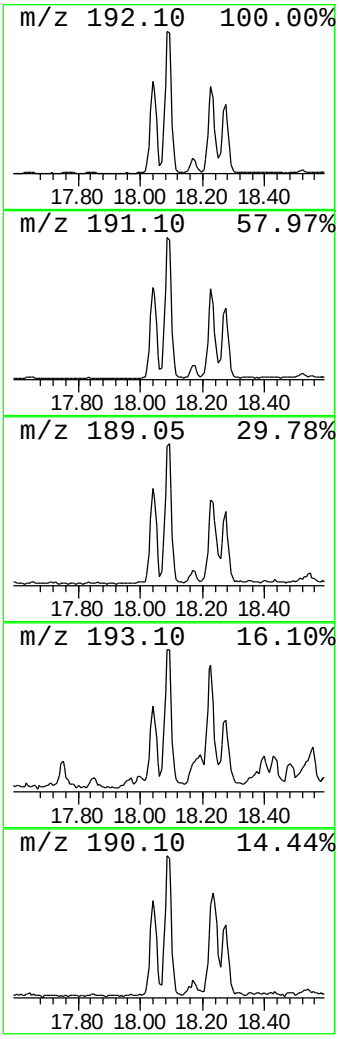
Peak Number 11 Phenanthrene, 1-methyl- Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.09	4.88 ng/ul	1285210	Phenanthrene-d10	17.17

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	93
3	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	93
4	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	93
5	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	93





Library Search Compound Report

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Sample : H4666-08
Misc :
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Instrument : BNA_M
ClientSampleId : BD3A5

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM082316.M
Quant Title : SVOA CALIBRATION

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

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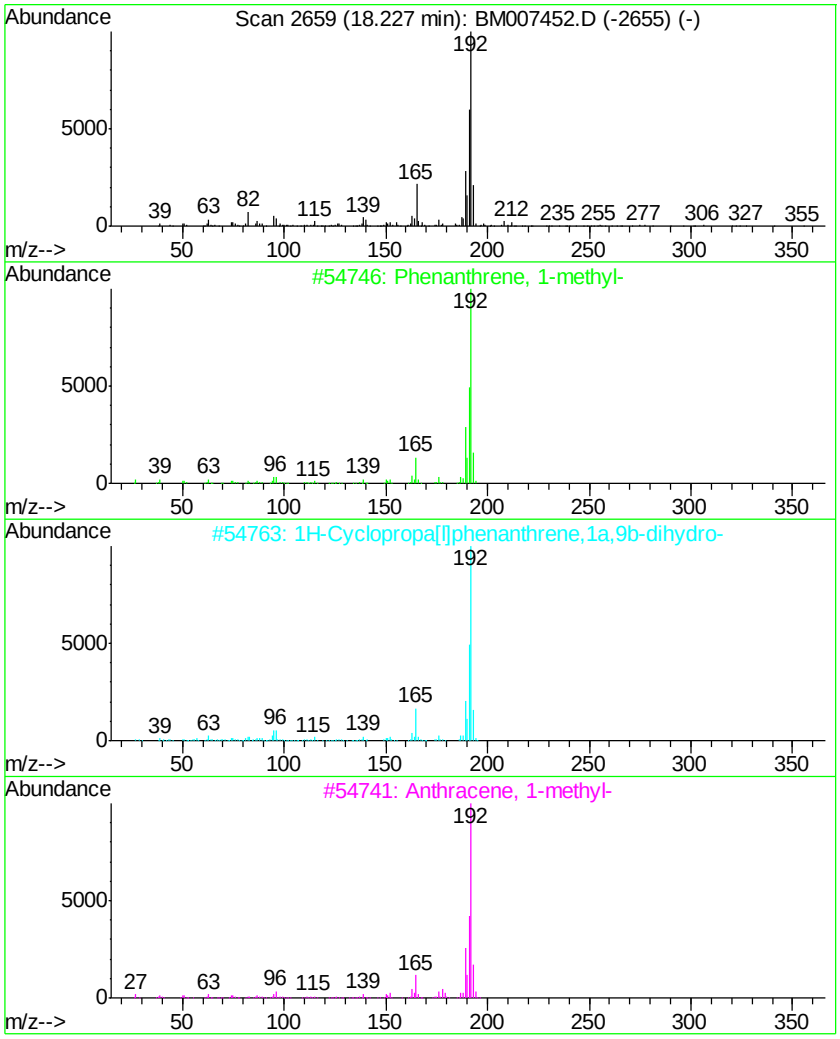
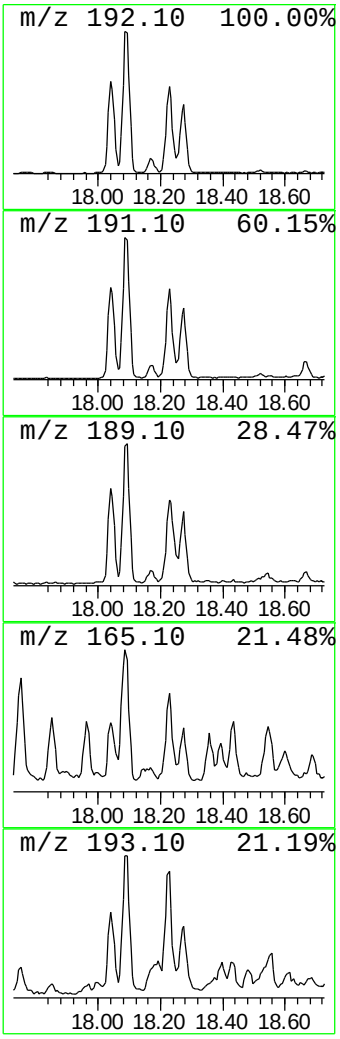
Peak Number 12 1H-Cyclopropa[l]phenanthren... Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.23	2.39 ng/ul	629891	Phenanthrene-d10	17.17

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	96
2	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	93
3	Anthracene, 1-methyl-	192	C15H12	000610-48-0	93
4	1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	93
5	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	92





Library Search Compound Report

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Operator : UM/SJ
Sample : H4666-08
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BD3A5

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM082316.M
Quant Title : SVOA CALIBRATION

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

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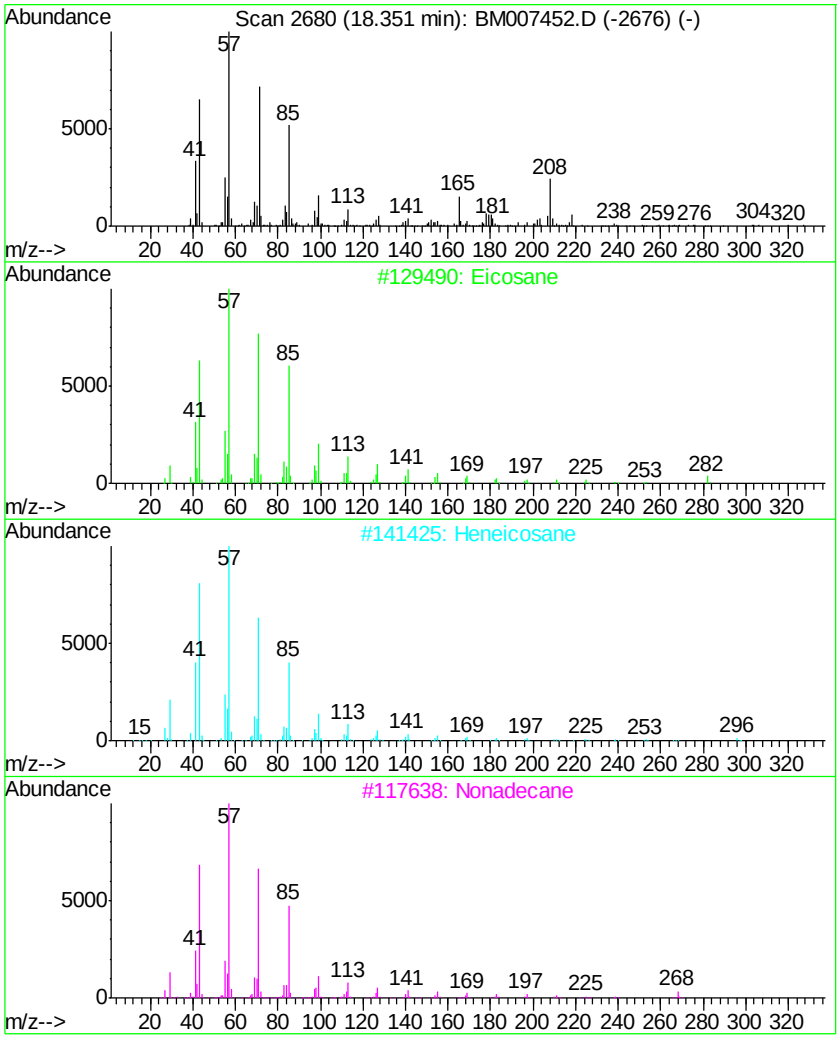
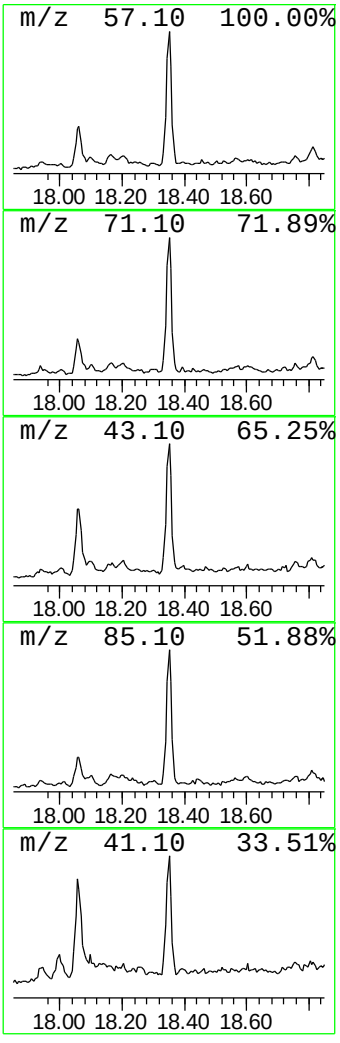
Peak Number 13 (DEL) Alkane: Straight-Chai... Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.35	2.54 ng/ul	667211	Phenanthrene-d10	17.17

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Eicosane	282	C20H42	000112-95-8	96
2	Heneicosane	296	C21H44	000629-94-7	70
3	Nonadecane	268	C19H40	000629-92-5	70
4	Tetracosane	338	C24H50	000646-31-1	70
5	Heneicosane	296	C21H44	000629-94-7	70





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Operator : UM/SJ
Sample : H4666-08
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BD3A5

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Quant Title : SVOA CALIBRATION

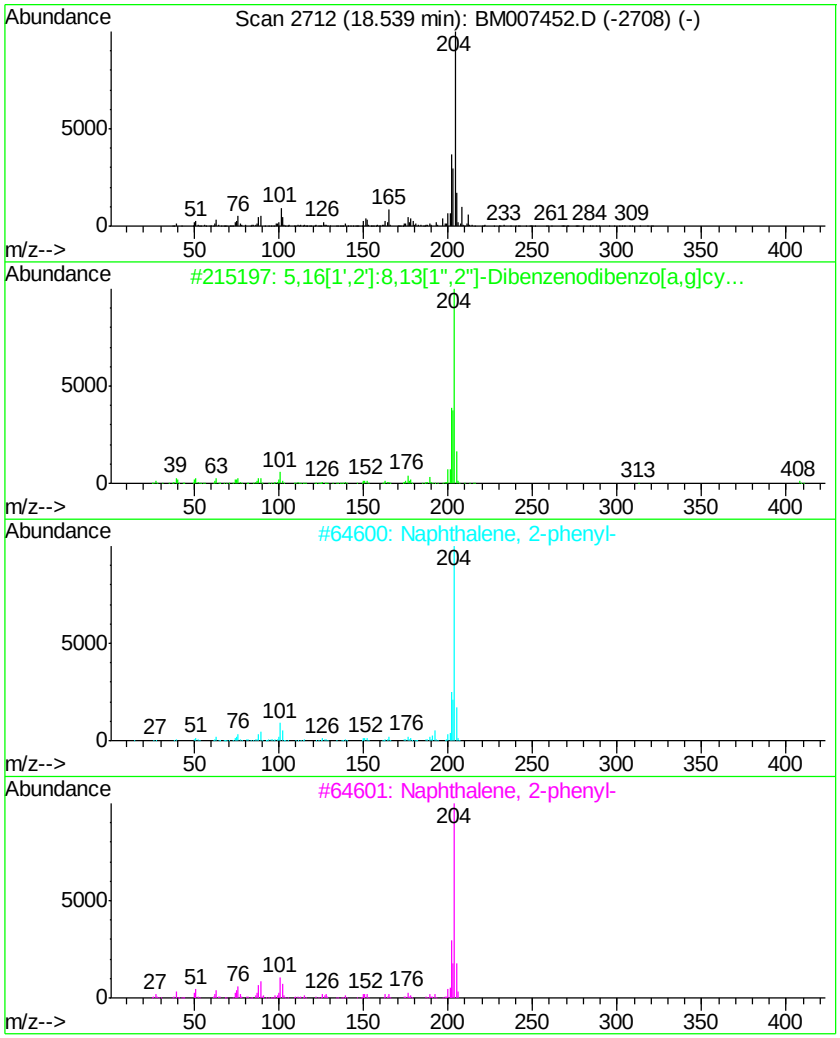
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

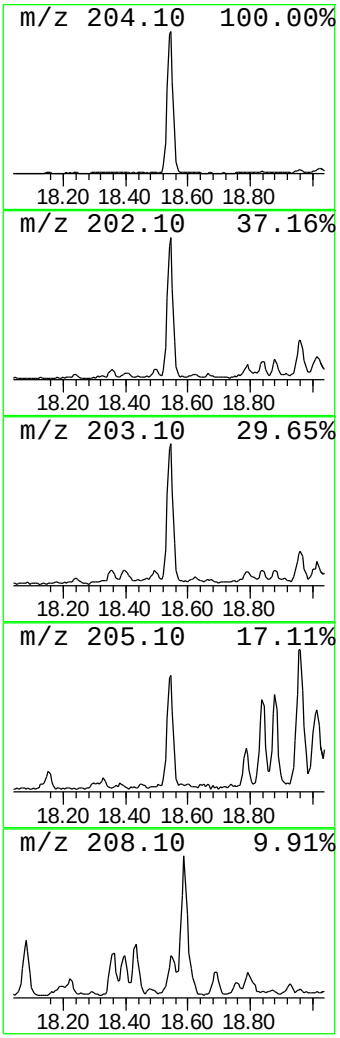
****

Peak Number 14 5,16[1',2']:8,13[1'',2'']-D... Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.54	2.98 ng/ul	784659	Phenanthrene-d10	17.17

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	5,16[1',2']:8,13[1'',2'']-Dibenz...	408	C32H24	005672-97-9	80
2	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	64
3	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	60
4	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	60
5	Tricyclo[8.2.2.2(4,7)]hexadeca-2...	204	C16H12	006572-60-7	58





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Misc :
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ClientSampleId : BD3A5

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Quant Title : SVOA CALIBRATION

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

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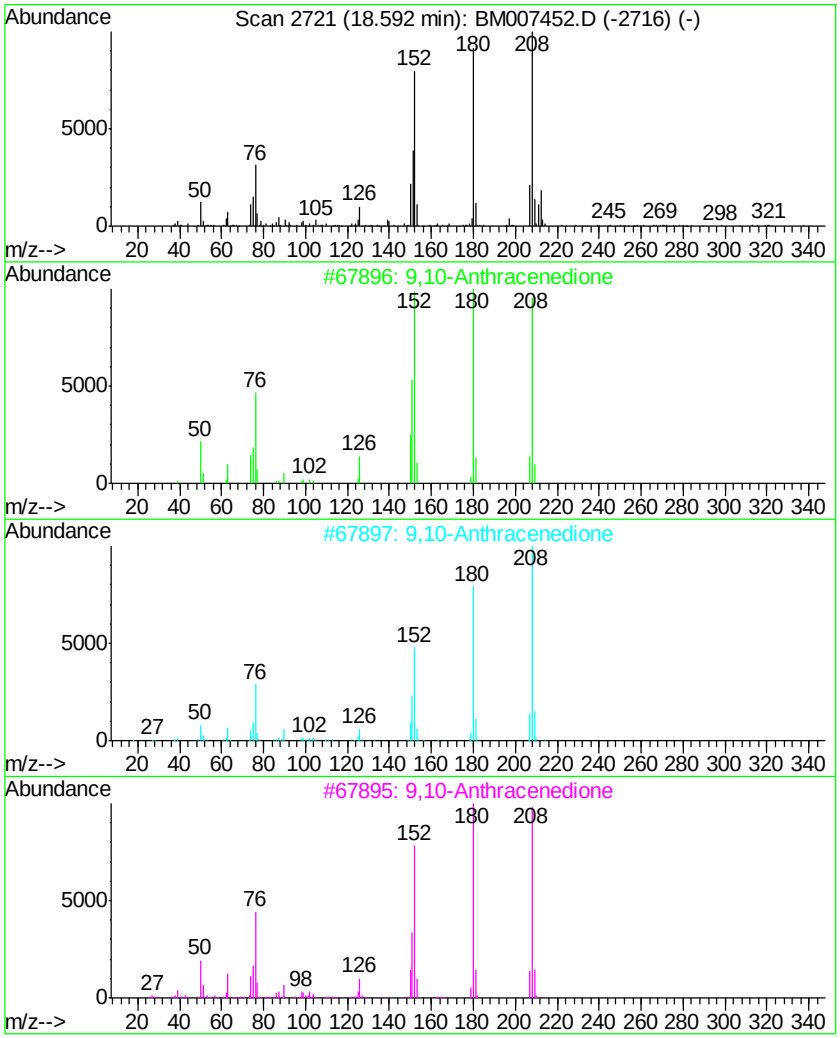
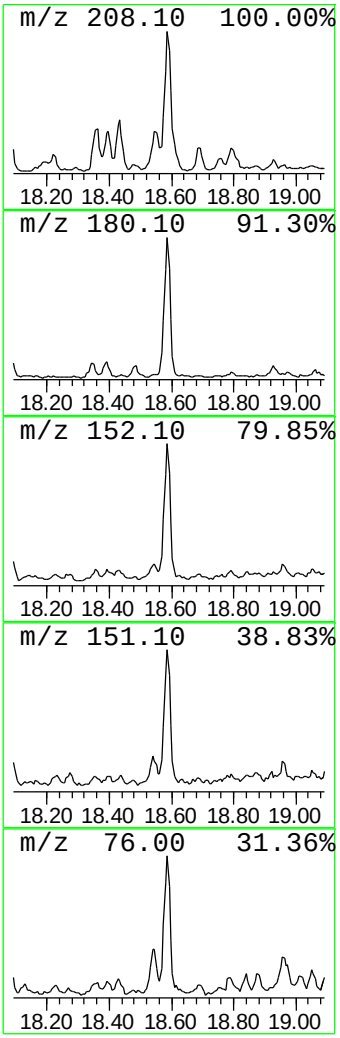
Peak Number 15 9,10-Anthracenedione Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.59	3.03 ng/ul	796900	Phenanthrene-d10	17.17

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9,10-Anthracenedione	208	C14H8O2	000084-65-1	98
2	9,10-Anthracenedione	208	C14H8O2	000084-65-1	97
3	9,10-Anthracenedione	208	C14H8O2	000084-65-1	94
4	Benzo[c]cinnoline	180	C12H8N2	000230-17-1	64
5	Benzo[c]cinnoline	180	C12H8N2	000230-17-1	62





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Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BD3A5

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Quant Title : SVOA CALIBRATION

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

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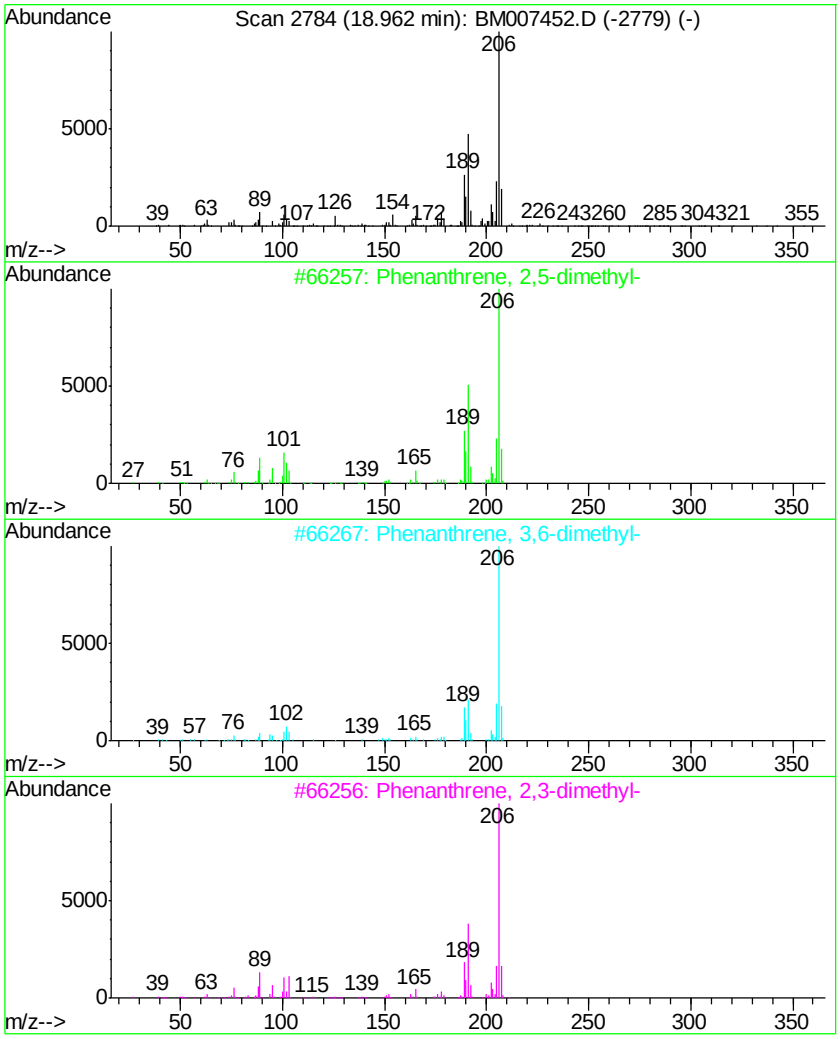
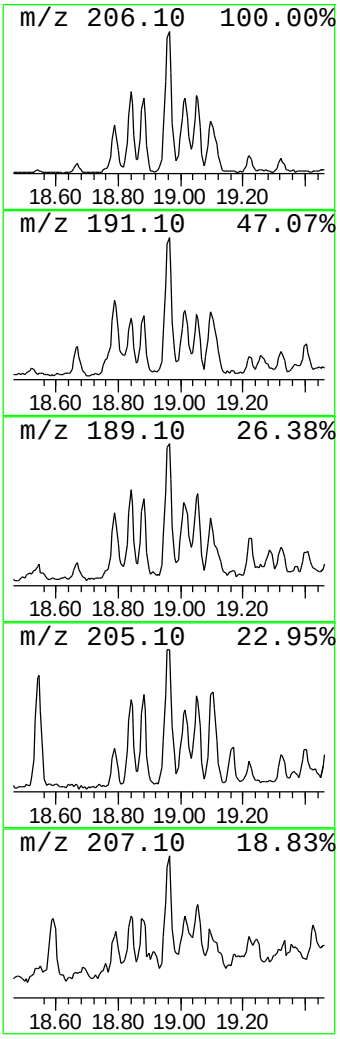
Peak Number 16 Phenanthrene, 2,5-dimethyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.96	3.01 ng/ul	791967	Phenanthrene-d10	17.17

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	96
2	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	90
3	Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	90
4	9,10-Dimethylanthracene	206	C16H14	000781-43-1	90
5	di-p-Tolylacetylene	206	C16H14	002789-88-0	87





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Quant Title : SVOA CALIBRATION

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

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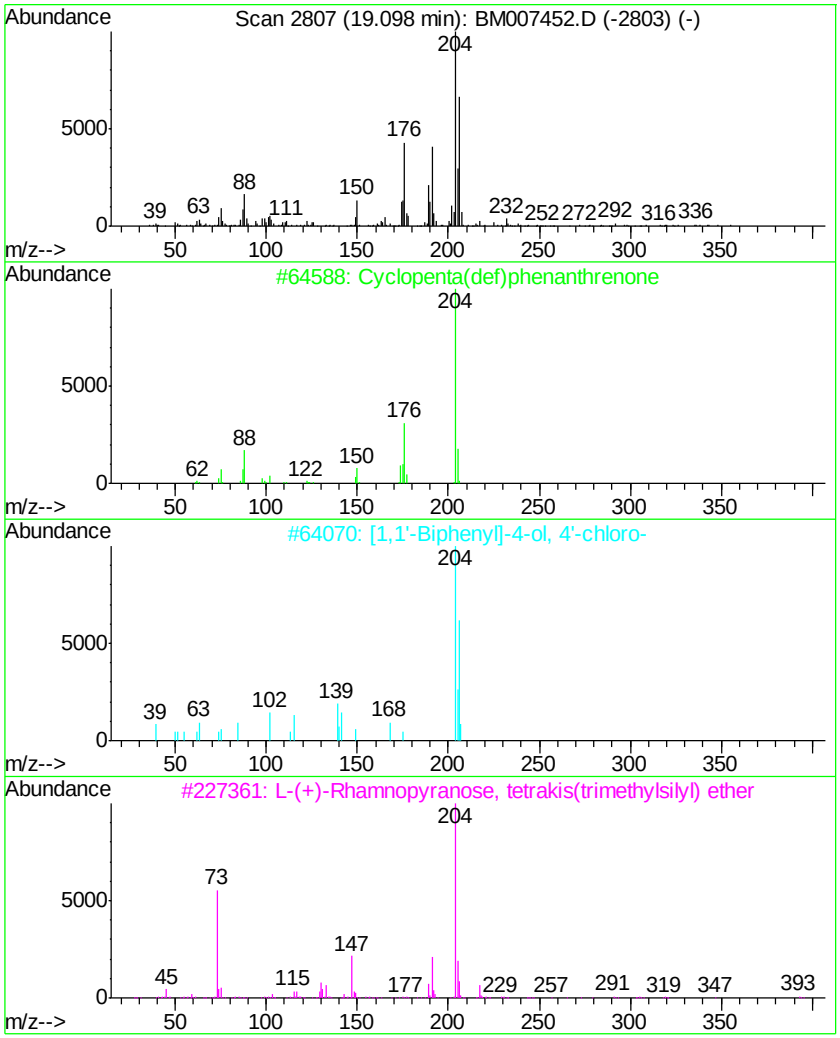
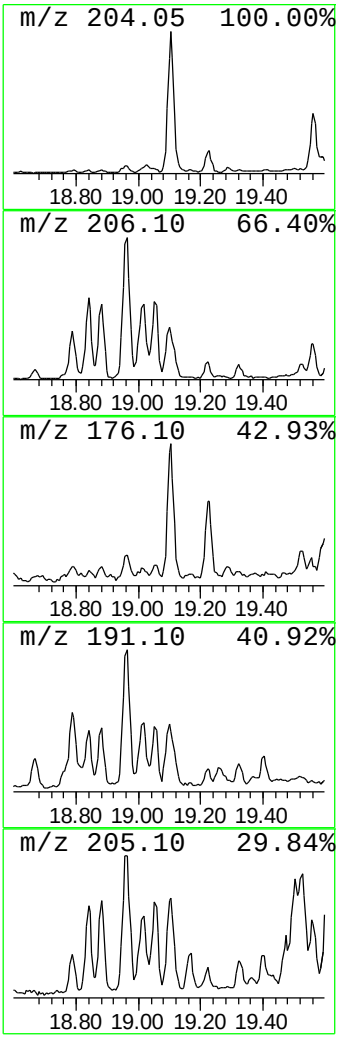
Peak Number 17 Cyclopenta(def)phenanthrenone Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.10	2.51 ng/ul	659868	Phenanthrene-d10	17.17

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopenta(def)phenanthrenone	204	C15H8O	005737-13-3	83
2	[1,1'-Biphenyl]-4-ol, 4'-chloro-	204	C12H9ClO	028034-99-3	50
3	L-(+)-Rhamnopyranose, tetrakis(t...	452	C18H44O5Si4	1000380-12-9	47
4	Mannose, 6-deoxy-2,3,4,5-tetraki...	452	C18H44O5Si4	019127-15-2	47
5	3,4-Biphenyldicarbonitrile	204	C14H8N2	004128-63-6	43





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Operator : UM/SJ
Sample : H4666-08
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BD3A5

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM082316.M
Quant Title : SVOA CALIBRATION

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

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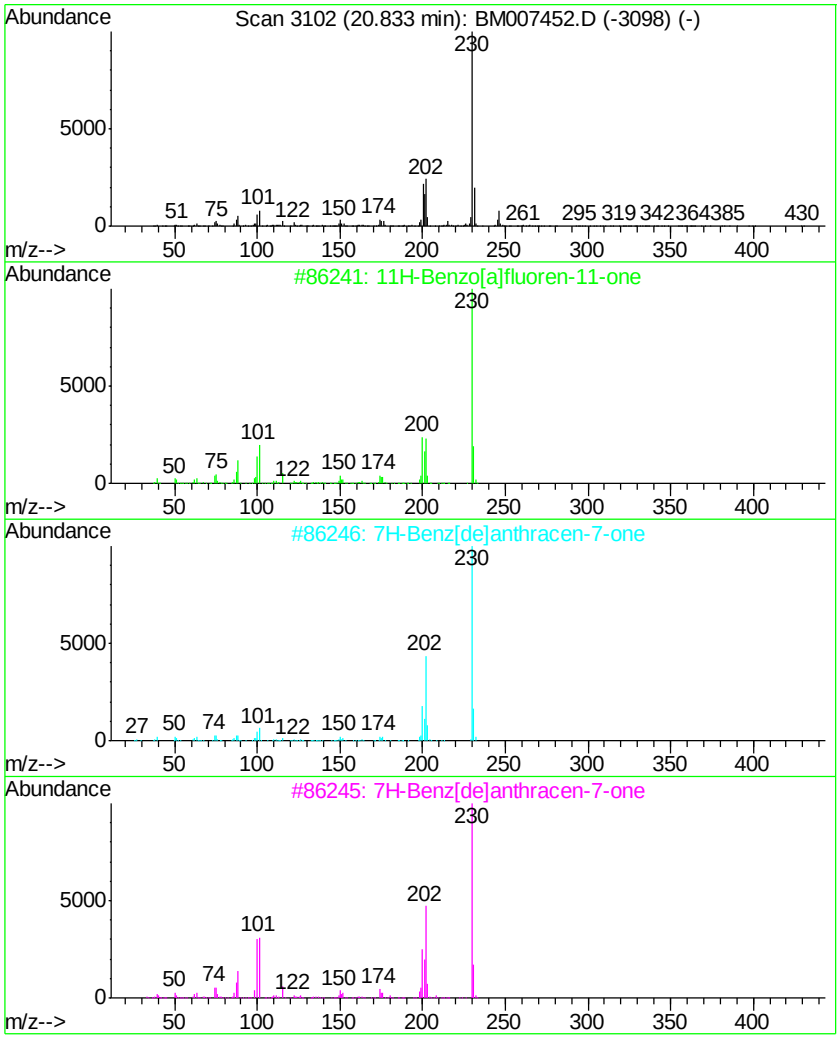
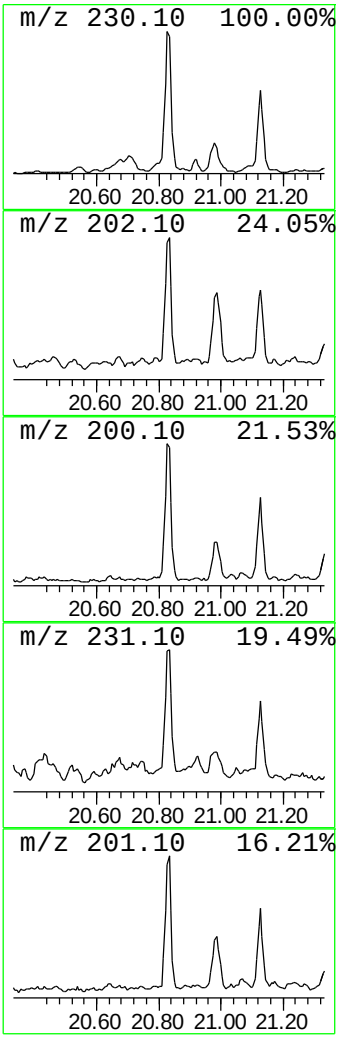
Peak Number 18 11H-Benzo[a]fluoren-11-one Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.83	2.58 ng/ul	1153760	Chrysene-d12	21.35

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[a]fluoren-11-one	230	C17H10O	000479-79-8	96
2	7H-Benz[de]anthracen-7-one	230	C17H10O	000082-05-3	89
3	7H-Benz[de]anthracen-7-one	230	C17H10O	000082-05-3	87
4	7H-Benz[de]anthracen-7-one	230	C17H10O	000082-05-3	81
5	4-Pyrenecarbaldehyde	230	C17H10O	022245-51-8	72





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Data File : BM007452.D
Acq On : 07 Sep 2016 23:06
Operator : UM/SJ
Sample : H4666-08
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BD3A5

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM082316.M
Quant Title : SVOA CALIBRATION

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

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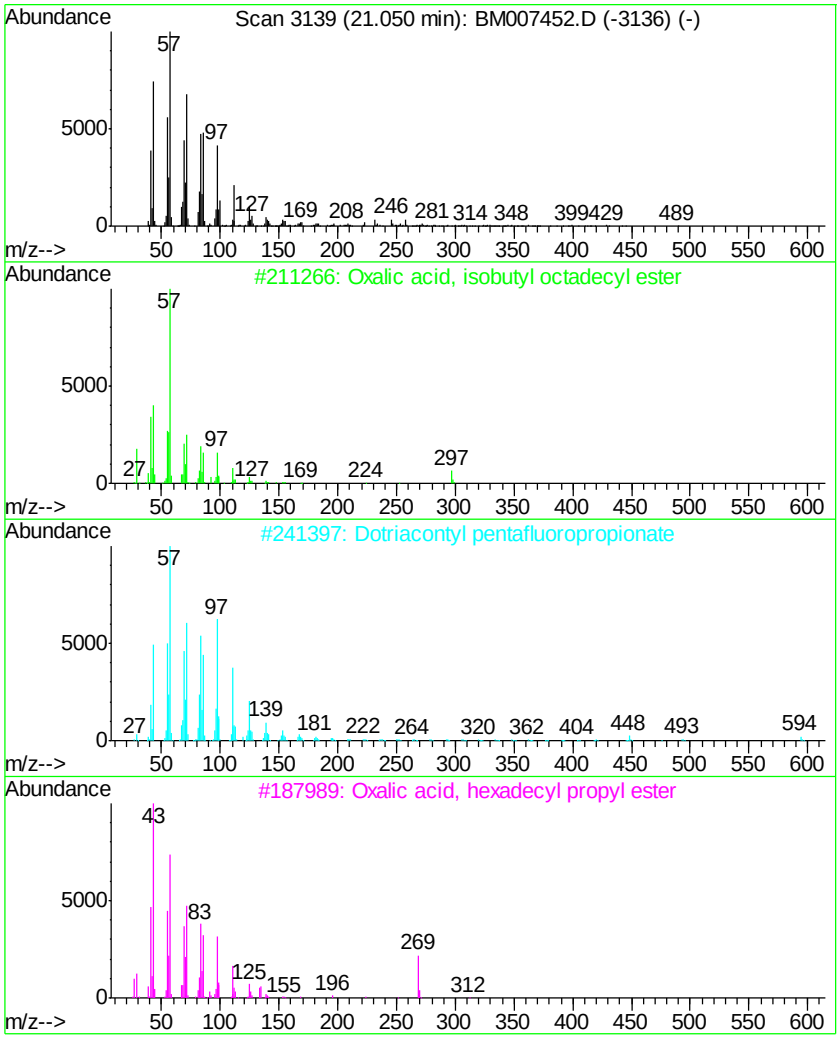
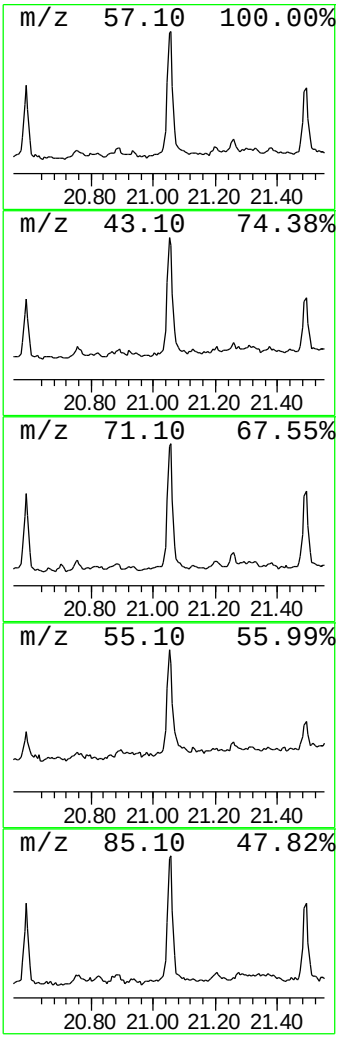
Peak Number 19 Oxalic acid, isobutyl octad... Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.05	3.54 ng/ul	1584190	Chrysene-d12	21.35

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Oxalic acid, isobutyl octadecyl ...	398	C24H46O4	1000309-38-3	91
2	Dotriacontyl pentafluoropropionate	612	C35H65F5O2	1000351-81-4	91
3	Oxalic acid, hexadecyl propyl ester	356	C21H40O4	1000309-26-9	91
4	Sulfurous acid, octadecyl 2-prop...	376	C21H44O3S	1000309-12-7	90
5	1-Dodecanol, 2-octyl-	298	C20H42O	005333-42-6	90





Data Path : Z:\HPCHEM1\BNA_M\DATA\BM090716\
Data File : BM007452.D
Acq On : 07 Sep 2016 23:06
Operator : UM/SJ
Sample : H4666-08
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BD3A5

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM082316.M
Quant Title : SVOA CALIBRATION

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

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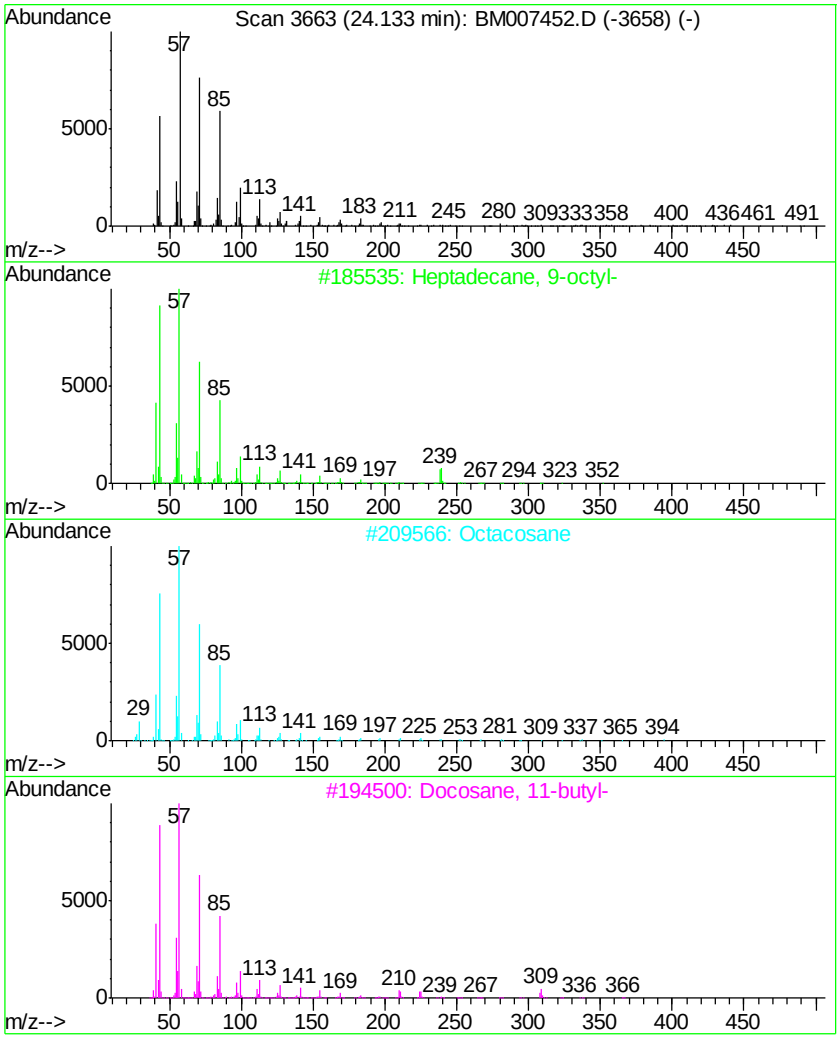
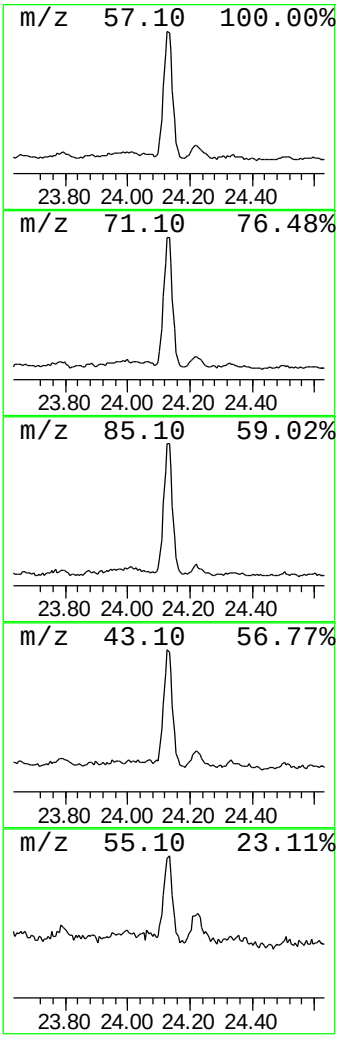
Peak Number 21 (DEL) Alkane: Straight-Chai... Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
24.13	6.73 ng/ul	1669320	Perylene-d12	23.62

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heptadecane, 9-octyl-	352	C25H52	007225-64-1	95
2	Octacosane	394	C28H58	000630-02-4	95
3	Docosane, 11-butyl-	366	C26H54	013475-76-8	94
4	Heneicosane, 11-pentyl-	366	C26H54	014739-72-1	93
5	Heneicosane	296	C21H44	000629-94-7	91





Tentatively Identified Compound (LSC) summary

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM090716\
Data File : BM007452.D
Acq On : 07 Sep 2016 23:06
Operator : UM/SJ
Sample : H4666-08
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BD3A5

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM082316.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
(DEL) Alkane: Str...	13.25	2.2	ng/ul	465574	3	14.43	4308060	20.0
Naphthalene, 2,3-...	13.74	2.3	ng/ul	504870	3	14.43	4308060	20.0
(DEL) Alkane: Str...	15.27	2.1	ng/ul	458922	3	14.43	4308060	20.0
3-(2-Naphthyl)acr...	15.76	2.0	ng/ul	438094	3	14.43	4308060	20.0
9H-Fluoren-9-ol	15.92	2.1	ng/ul	550676	4	17.17	5263620	20.0
(DEL) Alkane: Str...	16.13	2.3	ng/ul	600715	4	17.17	5263620	20.0
9H-Fluoren-9-one	16.82	2.3	ng/ul	597992	4	17.17	5263620	20.0
1-Dodecanol, 2-he...	16.93	13.3	ng/ul	3503770	4	17.17	5263620	20.0
n-Hexadecanoic acid	18.06	4.3	ng/ul	1133750	4	17.17	5263620	20.0
Phenanthrene, 1-m...	18.09	4.9	ng/ul	1285210	4	17.17	5263620	20.0
1H-Cyclopropa[l]p...	18.23	2.4	ng/ul	629891	4	17.17	5263620	20.0
(DEL) Alkane: Str...	18.35	2.5	ng/ul	667211	4	17.17	5263620	20.0
5,16[1',2']:8,13[...	18.54	3.0	ng/ul	784659	4	17.17	5263620	20.0
9,10-Anthracenedione	18.59	3.0	ng/ul	796900	4	17.17	5263620	20.0
Phenanthrene, 2,5...	18.96	3.0	ng/ul	791967	4	17.17	5263620	20.0
Cyclopenta(def)ph...	19.10	2.5	ng/ul	659868	4	17.17	5263620	20.0
11H-Benzo[a]fluor...	20.83	2.6	ng/ul	1153760	5	21.35	8942630	20.0
Oxalic acid, isob...	21.05	3.5	ng/ul	1584190	5	21.35	8942630	20.0
(DEL) Alkane: Str...	24.13	6.7	ng/ul	1669320	6	23.62	4962080	20.0