LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM111116\
Data File : BM007834.D
Acq On : 11 Nov 2016 20:10
Operator : UM/SJ
Sample : H5610-02
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BD4L6

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-BM102016.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	2.634	5	8	23	rVB3	56565	134928	4.00%	0.266%
2	3.522	155	159	168	rVB	82380	135088	4.01%	0.267%
3	3.993	232	239	247	rVB	85953	131047	3.89%	0.259%
4	4.504	321	326	336	rBV	136651	221635	6.58%	0.438%
5	4.898	386	393	401	rBV	304045	499275	14.82%	0.986%
6	5.404	474	479	488	rBV	154261	281084	8.34%	0.555%
7	5.769	535	541	547	rBV2	222650	339116	10.06%	0.669%
8	6.240	615	621	627	rBV4	54255	108778	3.23%	0.215%
9	6.375	637	644	647	rBV5	36257	66947	1.99%	0.132%
10	6.722	695	703	710	rBV2	43067	79832	2.37%	0.158%
11	6.834	717	722	726	rBV	60364	89456	2.65%	0.177%
12	6.916	726	736	749	rVB	471422	1024238	30.40%	2.022%
13	7.081	755	764	769	rBV	372944	623768	18.51%	1.231%
14	7.122	769	771	780	rVB2	48482	78952	2.34%	0.156%
15	7.275	791	797	805	rBV	497887	826836	24.54%	1.632%
16	7.351	805	810	812	rVV	83810	119179	3.54%	0.235%
17	7.387	812	816	822	rVB	158855	247907	7.36%	0.489%
18	7.739	865	876	889	rVV	635127	1169772	34.72%	2.309%
19	7.845	889	894	902	rVV2	66502	111237	3.30%	0.220%
20	8.275	961	967	977	rVB2	39465	86320	2.56%	0.170%
21	8.375	977	984	989	rBV3	56990	111804	3.32%	0.221%
22	8.445	989	996	1007	rBV	535686	920200	27.31%	1.817%
23	8.563	1012	1016	1022	rVB3	38097	68442	2.03%	0.135%
24	8.828	1050	1061	1066	rBV3	41087	84658	2.51%	0.167%
25	8.892	1066	1072	1078	rVV	451049	815306	24.20%	1.610%
26	8.945	1078	1081	1089	rVB	119395	171854	5.10%	0.339%
27	9.075	1098	1103	1109	rVB3	24415	52571	1.56%	0.104%
28	9.610	1187	1194	1205	rBV	360339	680177	20.19%	1.343%
29	9.928	1242	1248	1253	rVV4	27673	55165	1.64%	0.109%
30	10.145	1279	1285	1296	rBV	519748	951012	28.22%	1.877%
31	10.516	1336	1348	1353	rBV	855760	1615525	47.94%	3.189%
32	10.563	1353	1356	1364	rVV	237867	400626	11.89%	0.791%
33	10.669	1364	1374	1390	rVB	369114	741530	22.01%	1.464%
34	11.422	1497	1502	1508	rVB5	27021	57652	1.71%	0.114%

LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM111116\
Data File : BM007834.D
Acq On : 11 Nov 2016 20:10
Operator : UM/SJ
Sample : H5610-02
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BD4L6

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-BM102016.M
Title : SVOA CALIBRATION

35	11.533	1515	1521	1525	rBV2	67804	106840	3.17%	0.211%
36	11.933	1583	1589	1599	rVB	94359	149370	4.43%	0.295%
37	12.180	1625	1631	1638	rVB	367331	600817	17.83%	1.186%
38	12.404	1663	1669	1677	rVB	281713	452547	13.43%	0.893%
39	12.898	1746	1753	1758	rVV2	45858	77526	2.30%	0.153%
40	13.186	1796	1802	1810	rBV3	118964	219076	6.50%	0.432%
41	13.404	1834	1839	1840	rBV	38149	54820	1.63%	0.108%
42	13.527	1855	1860	1862	rBV	92178	134231	3.98%	0.265%
43	13.686	1882	1887	1892	rVV	187013	334423	9.92%	0.660%
44	13.745	1892	1897	1899	rVV	177155	253786	7.53%	0.501%
45	13.786	1899	1904	1908	rVV	1006752	1490204	44.23%	2.942%
46	13.833	1908	1912	1919	rVB	1204058	1699780	50.45%	3.356%
47	13.927	1924	1928	1932	rVV	122724	203112	6.03%	0.401%
48	13.963	1932	1934	1938	rVB2	54929	62613	1.86%	0.124%
49	14.063	1945	1951	1962	rVB	1147199	1788588	53.08%	3.531%
50	14.263	1981	1985	1990	rBV	119238	157424	4.67%	0.311%
51	14.368	1994	2003	2009	rBV	1256565	1985015	58.91%	3.919%
52	14.598	2034	2042	2049	rBV3	257379	569067	16.89%	1.123%
53	14.774	2066	2072	2078	rVB	157028	261927	7.77%	0.517%
54	14.845	2078	2084	2088	rVV	57208	90594	2.69%	0.179%
55	14.892	2088	2092	2100	rVB6	32319	67744	2.01%	0.134%
56	14.992	2104	2109	2114	rBV2	60249	100036	2.97%	0.197%
57	15.045	2114	2118	2123	rVB2	58913	72173	2.14%	0.142%
58	15.162	2129	2138	2141	rBV3	106418	204378	6.07%	0.403%
59	15.221	2144	2148	2153	rVB	133313	186296	5.53%	0.368%
60	15.368	2167	2173	2178	rVV	1494270	2186895	64.90%	4.317%
61	15.410	2178	2180	2186	rVB	142586	187143	5.55%	0.369%
62	15.504	2192	2196	2207	rVV	288645	477246	14.16%	0.942%
63	15.627	2210	2217	2225	rVB4	69782	154282	4.58%	0.305%
64	15.721	2227	2233	2239	rVB	105901	195392	5.80%	0.386%
65	15.868	2254	2258	2265	rVV	113520	241254	7.16%	0.476%
66	15.957	2265	2273	2277	rVB3	47002	109591	3.25%	0.216%
67	16.104	2295	2298	2303	rVB2	249420	356236	10.57%	0.703%
68	16.427	2344	2353	2359	rBV9	32761	101048	3.00%	0.199%
69	16.657	2384	2392	2397	rBV4	98515	236879	7.03%	0.468%
70	16.780	2409	2413	2419	rBV4	40516	73698	2.19%	0.145%
71	16.874	2420	2429	2433	rVV2	190464	338288	10.04%	0.668%

LSC Area Percent Report

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Data File : BM007834.D
Acq On : 11 Nov 2016 20:10
Operator : UM/SJ
Sample : H5610-02
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BD4L6

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-BM102016.M
Title : SVOA CALIBRATION

72	16.927	2435	2438	2450	rVB5	57746	145309	4.31%	0.287%
73	17.121	2465	2471	2475	rBV	1558607	2240263	66.49%	4.423%
74	17.162	2475	2478	2482	rVV	244581	337225	10.01%	0.666%
75	17.221	2482	2488	2498	rVB	1551104	2339081	69.42%	4.618%
76	17.527	2534	2540	2544	rBV7	36292	77123	2.29%	0.152%
77	17.609	2550	2554	2558	rVB2	165266	196662	5.84%	0.388%
78	18.003	2616	2621	2625	rBV2	140354	282028	8.37%	0.557%
79	18.045	2625	2628	2636	rVB	197611	266497	7.91%	0.526%
80	18.186	2647	2652	2656	rBV3	111037	187529	5.57%	0.370%
81	18.227	2656	2659	2665	rVB	104562	153350	4.55%	0.303%
82	18.303	2668	2672	2677	rBV2	168232	235226	6.98%	0.464%
83	18.498	2701	2705	2711	rBV2	77079	118262	3.51%	0.233%
84	18.745	2744	2747	2751	rVV3	52785	72890	2.16%	0.144%
85	18.915	2772	2776	2777	rBV	133145	154451	4.58%	0.305%
86	19.009	2789	2792	2795	rVB	61843	70318	2.09%	0.139%
87	19.056	2796	2800	2806	rBV3	56697	121460	3.60%	0.240%
88	19.180	2817	2821	2828	rVB	255925	356840	10.59%	0.704%
89	19.286	2835	2839	2845	rBV6	71162	134015	3.98%	0.265%
90	19.515	2873	2878	2892	rVV	2220340	3285399	97.50%	6.486%
91	19.621	2892	2896	2902	rVB2	84219	134306	3.99%	0.265%
92	19.862	2934	2937	2941	rBV5	56319	92283	2.74%	0.182%
93	20.050	2966	2969	2976	rVB2	147726	218371	6.48%	0.431%
94	20.550	3051	3054	3058	rBV	114453	132495	3.93%	0.262%
95	20.797	3092	3096	3101	rBV3	71652	104471	3.10%	0.206%
96	21.015	3129	3133	3142	rVB3	209120	303845	9.02%	0.600%
97	21.309	3177	3183	3187	rBV	2406480	3187934	94.61%	6.293%
98	21.450	3204	3207	3212	rVB3	94656	118264	3.51%	0.233%
99	23.415	3535	3541	3557	rVB2	1734850	3369560	100.00%	6.652%
100	23.556	3559	3565	3581	rVB	1567025	3137683	93.12%	6.194%

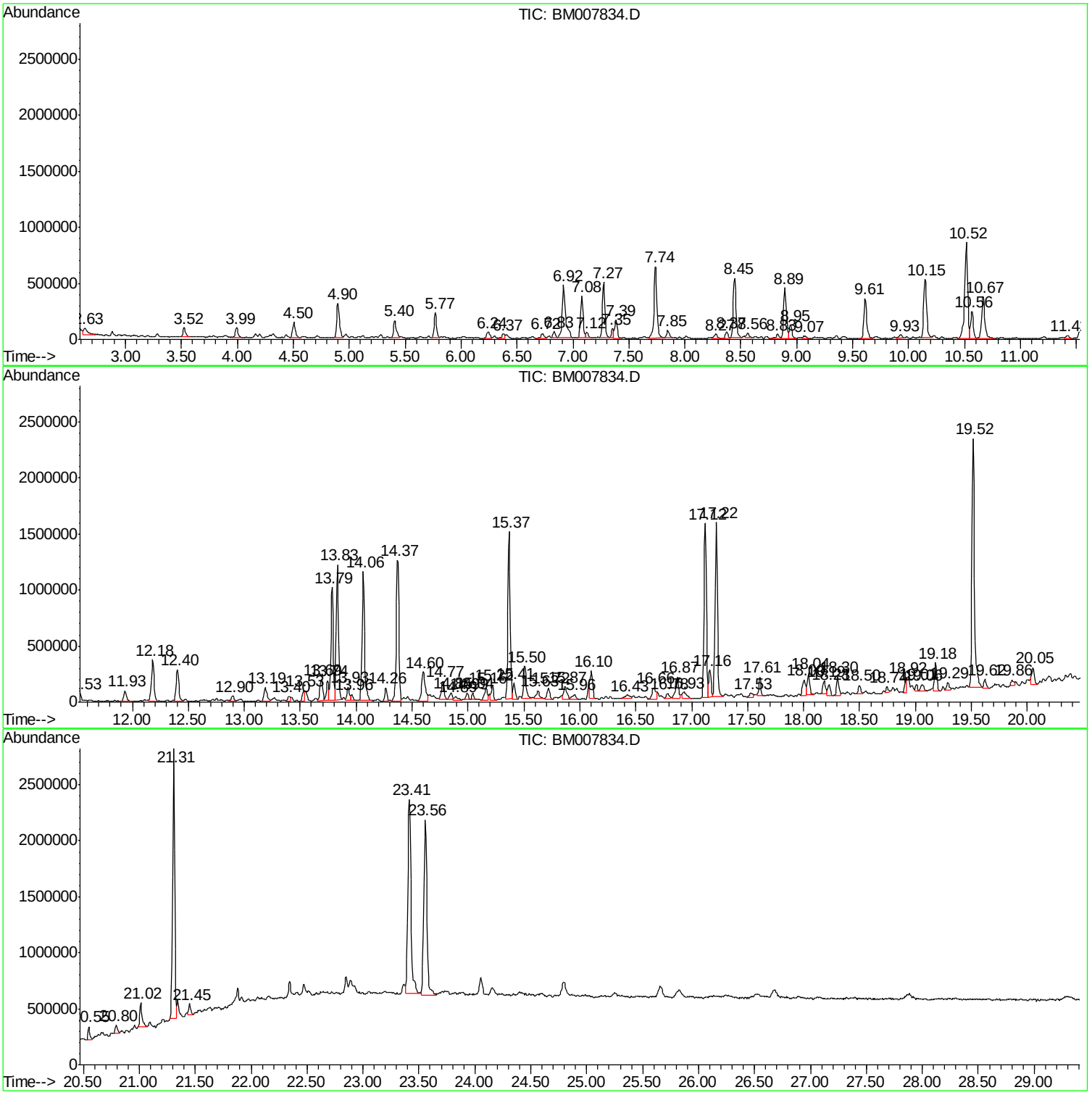
Sum of corrected areas: 50655396

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM111116\
Data File : BM007834.D
Acq On : 11 Nov 2016 20:10
Operator : UM/SJ
Sample : H5610-02
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
BD4L6

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM102016.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\BM111116\
Data File : BM007834.D
Acq On : 11 Nov 2016 20:10
Operator : UM/SJ
Sample : H5610-02
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BD4L6

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM102016.M
Quant Title : SVOA CALIBRATION

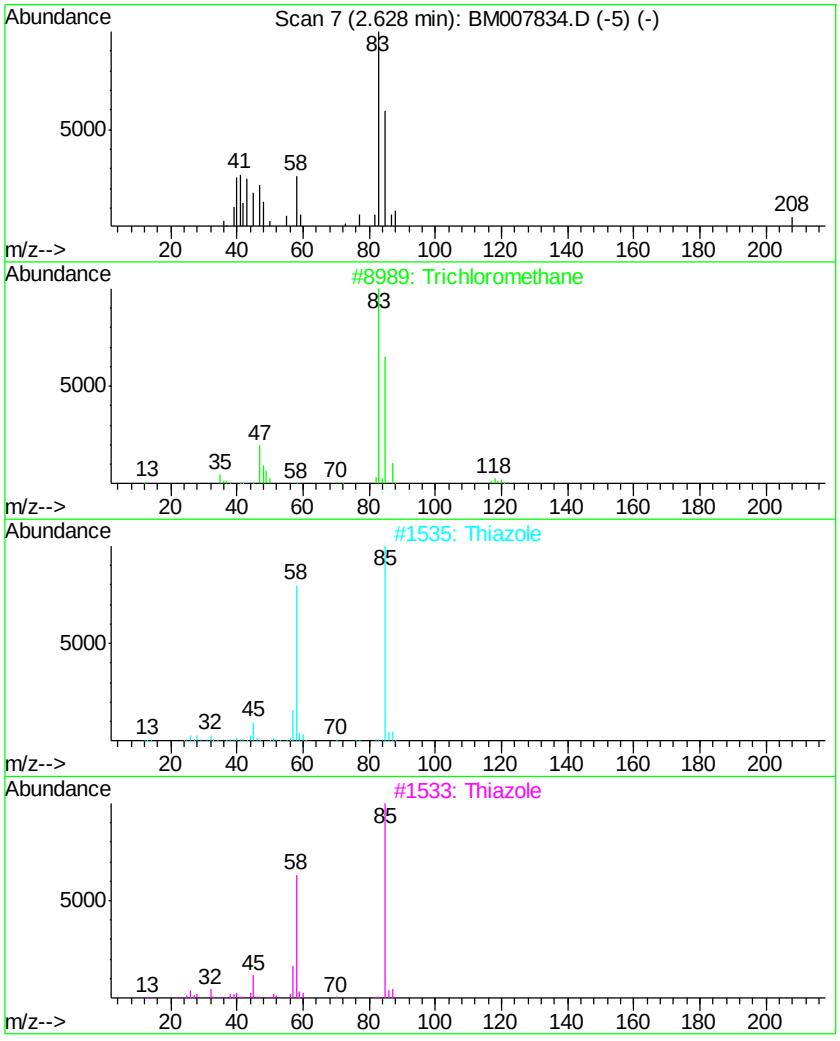
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

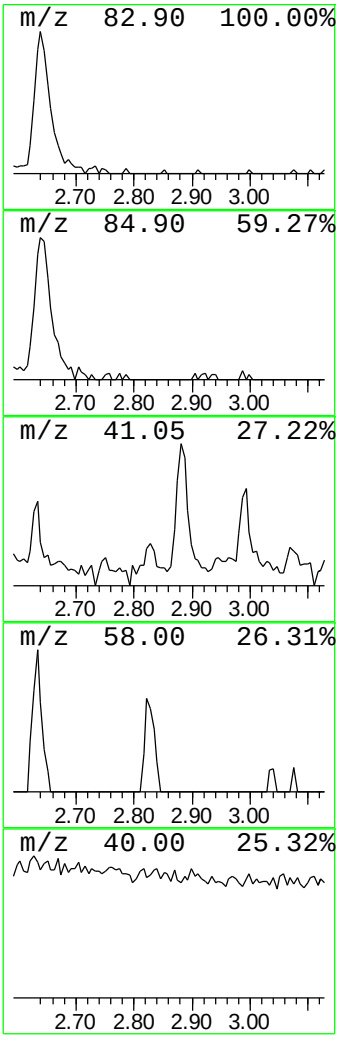
****

Peak Number 1 unknown-01 Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.63	2.31 ng/ul	134928	1,4-Dichlorobenzene-d4	7.74

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Trichloromethane	118	CHCl3	000067-66-3	36
2	Thiazole	85	C3H3NS	000288-47-1	7
3	Thiazole	85	C3H3NS	000288-47-1	7
4	Thiazole	85	C3H3NS	000288-47-1	7
5	3-Aminopyrazole	83	C3H5N3	001820-80-0	5





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM111116\
Data File : BM007834.D
Acq On : 11 Nov 2016 20:10
Operator : UM/SJ
Sample : H5610-02
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BD4L6

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM102016.M
Quant Title : SVOA CALIBRATION

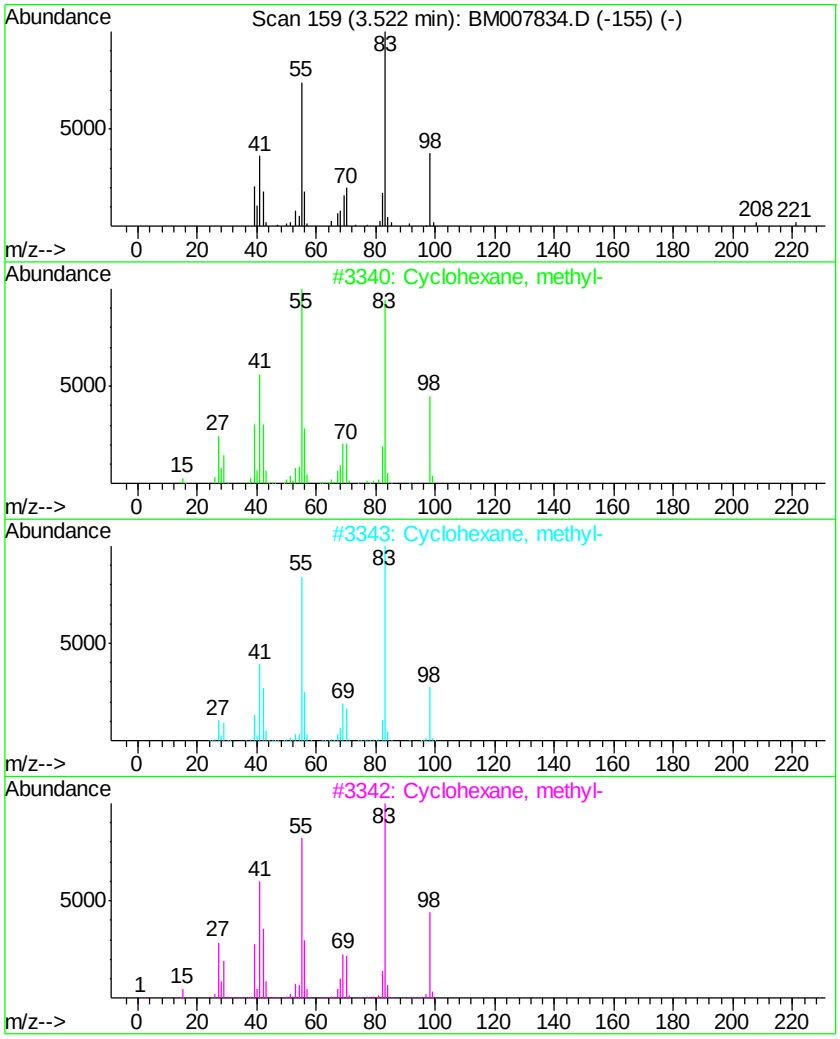
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

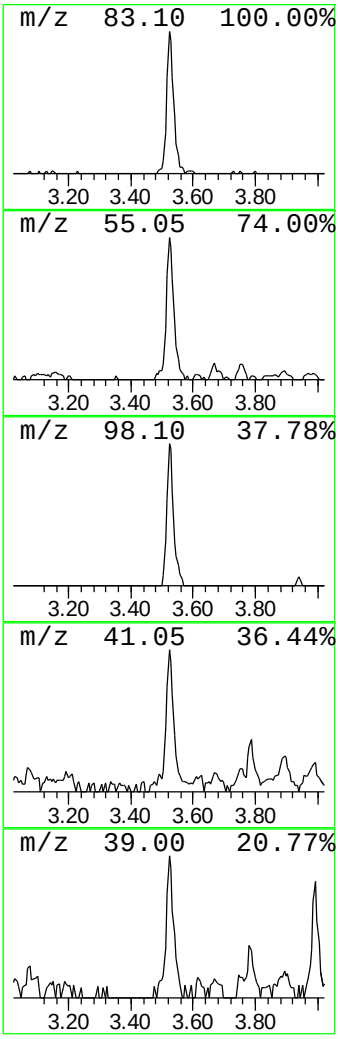
****

Peak Number 2 (DEL) Alkane: Cyclic3.52 Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.52	2.31 ng/ul	135088	1,4-Dichlorobenzene-d4	7.74

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, methyl-	98	C7H14	000108-87-2	91
2	Cyclohexane, methyl-	98	C7H14	000108-87-2	91
3	Cyclohexane, methyl-	98	C7H14	000108-87-2	90
4	2-Pentene, 3,4-dimethyl-, (Z)-	98	C7H14	004914-91-4	74
5	2-Pentene, 3,4-dimethyl-, (Z)-	98	C7H14	004914-91-4	72





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM111116\
Data File : BM007834.D
Acq On : 11 Nov 2016 20:10
Operator : UM/SJ
Sample : H5610-02
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BD4L6

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM102016.M
Quant Title : SVOA CALIBRATION

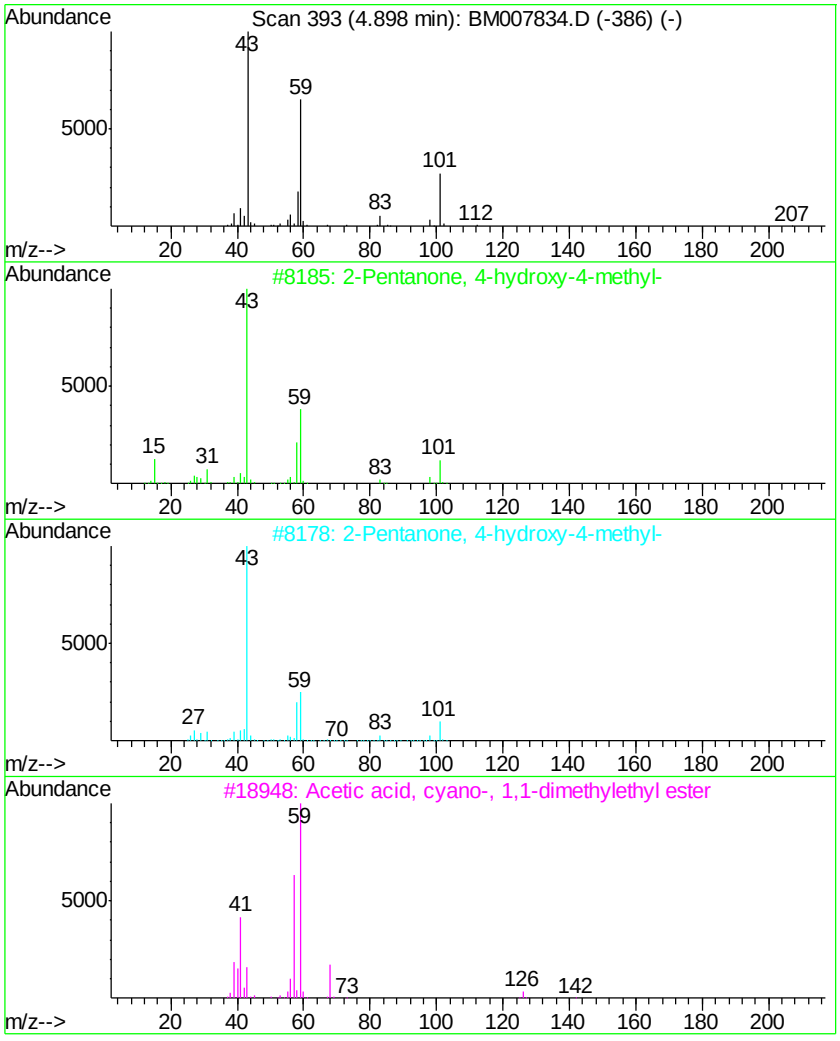
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

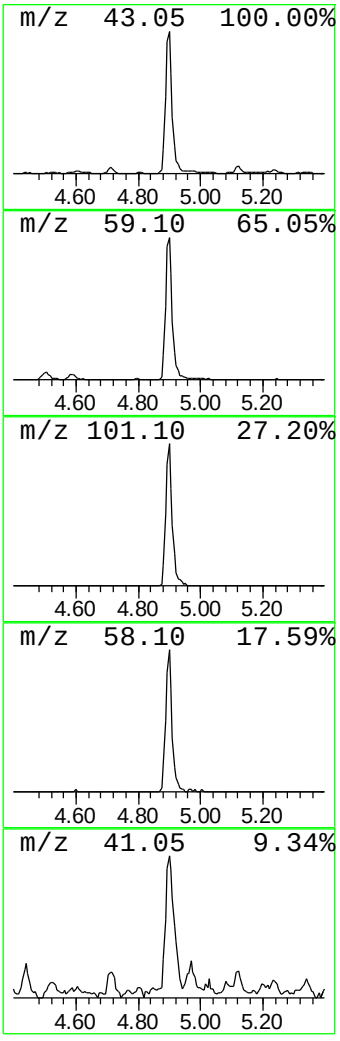
****

Peak Number 5 2-Pentanone, 4-hydroxy-4-me... Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.90	8.54 ng/ul	499275	1,4-Dichlorobenzene-d4	7.74

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	56
2	2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	38
3	Acetic acid, cyano-, 1,1-dimethy...	141	C7H11NO2	001116-98-9	25
4	Tetraglyme	222	C10H22O5	000143-24-8	23
5	4-Pentene-2-ol, 2-methyl	100	C6H12O	000624-97-5	17





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM111116\
Data File : BM007834.D
Acq On : 11 Nov 2016 20:10
Operator : UM/SJ
Sample : H5610-02
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BD4L6

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM102016.M
Quant Title : SVOA CALIBRATION

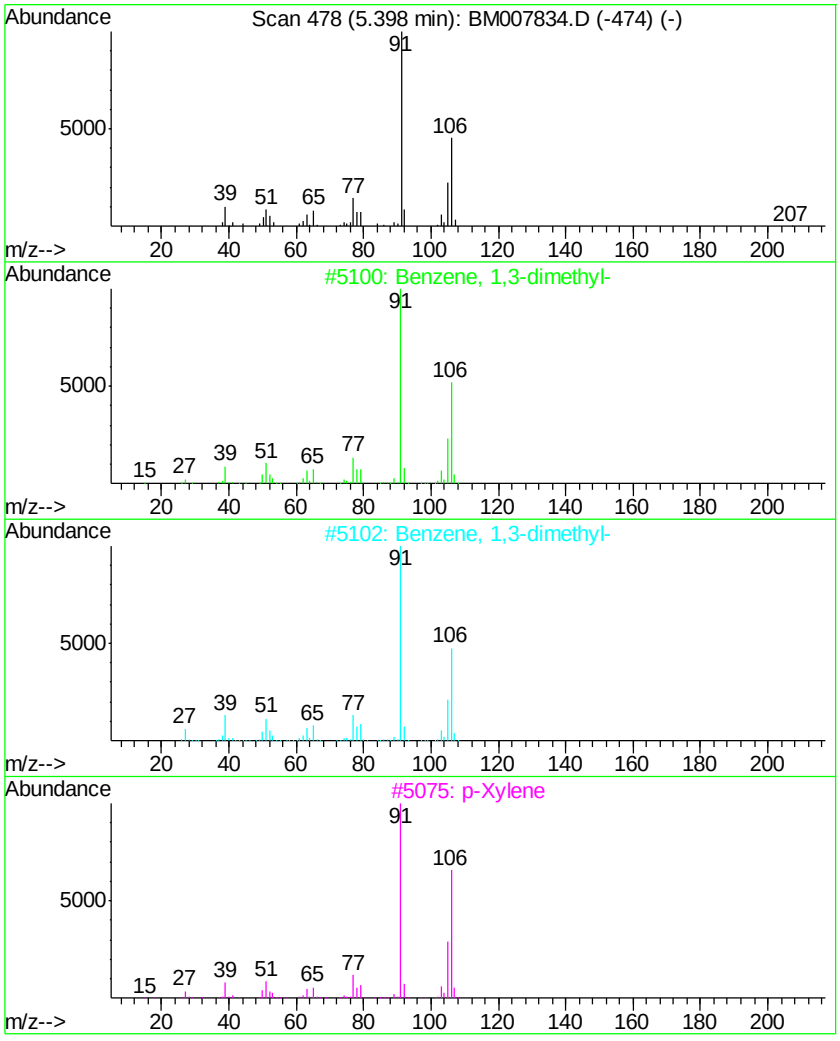
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

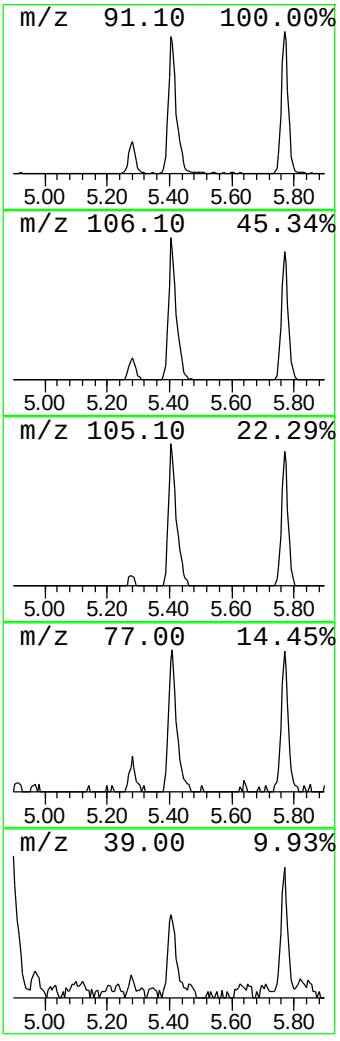
****

Peak Number 6 Benzene, 1,3-dimethyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.40	4.81 ng/ul	281084	1,4-Dichlorobenzene-d4	7.74

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1,3-dimethyl-	106	C8H10	000108-38-3	97
2	Benzene, 1,3-dimethyl-	106	C8H10	000108-38-3	97
3	p-Xylene	106	C8H10	000106-42-3	95
4	Benzene, 1,3-dimethyl-	106	C8H10	000108-38-3	95
5	p-Xylene	106	C8H10	000106-42-3	95





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM111116\
Data File : BM007834.D
Acq On : 11 Nov 2016 20:10
Operator : UM/SJ
Sample : H5610-02
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BD4L6

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM102016.M
Quant Title : SVOA CALIBRATION

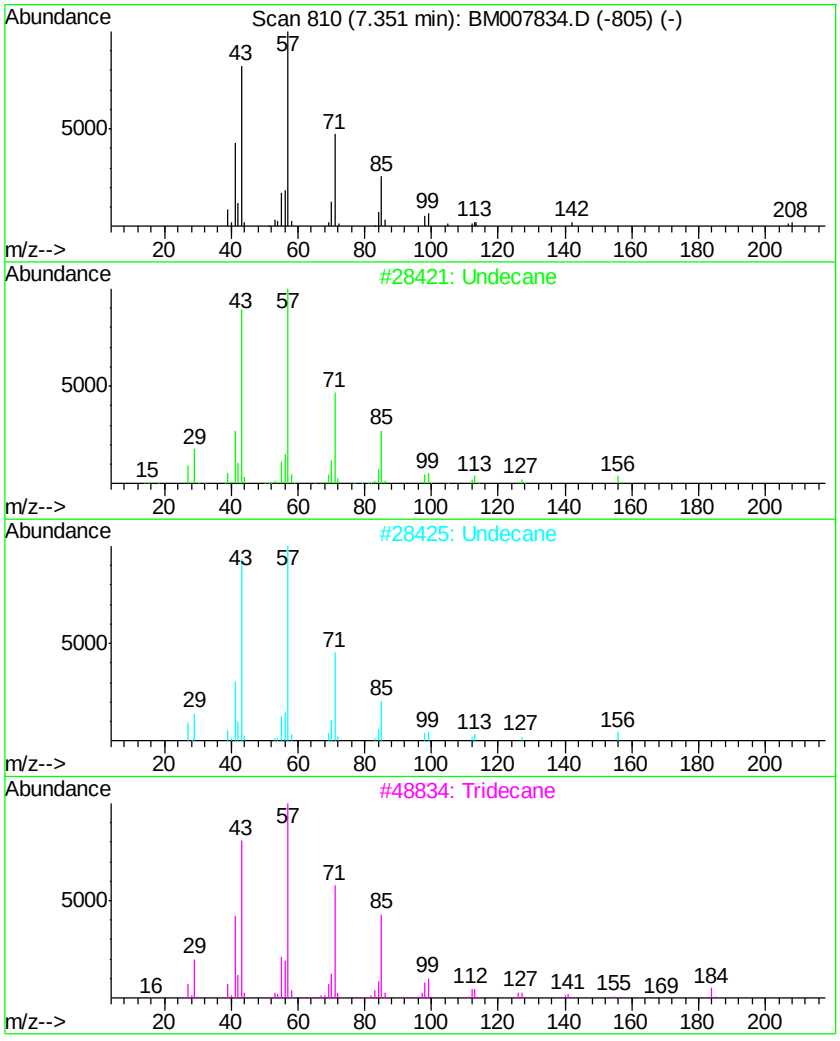
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

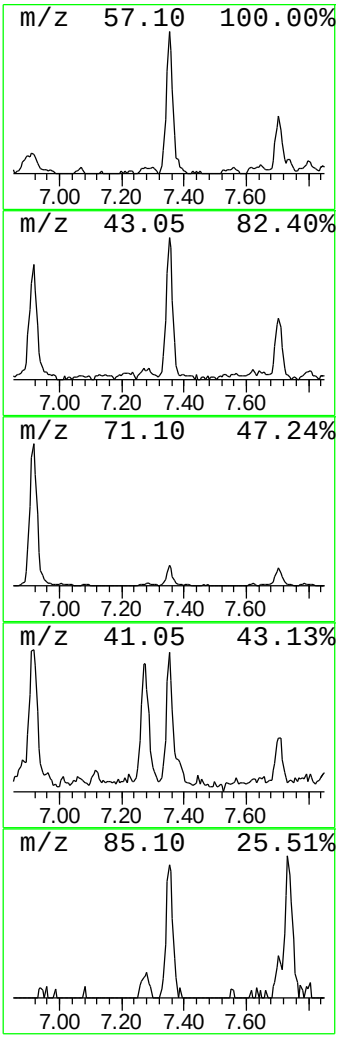
****

Peak Number 8 (DEL) Alkane: Straight-Chai... Concentration Rank 22

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.35	2.04 ng/ul	119179	1,4-Dichlorobenzene-d4	7.74

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Undecane	156	C11H24	001120-21-4	90
2	Undecane	156	C11H24	001120-21-4	90
3	Tridecane	184	C13H28	000629-50-5	83
4	Tridecane	184	C13H28	000629-50-5	83
5	Dodecane	170	C12H26	000112-40-3	83





Data Path : Z:\HPCHEM1\BNA_M\DATA\BM111116\
Data File : BM007834.D
Acq On : 11 Nov 2016 20:10
Operator : UM/SJ
Sample : H5610-02
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BD4L6

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM102016.M
Quant Title : SVOA CALIBRATION

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

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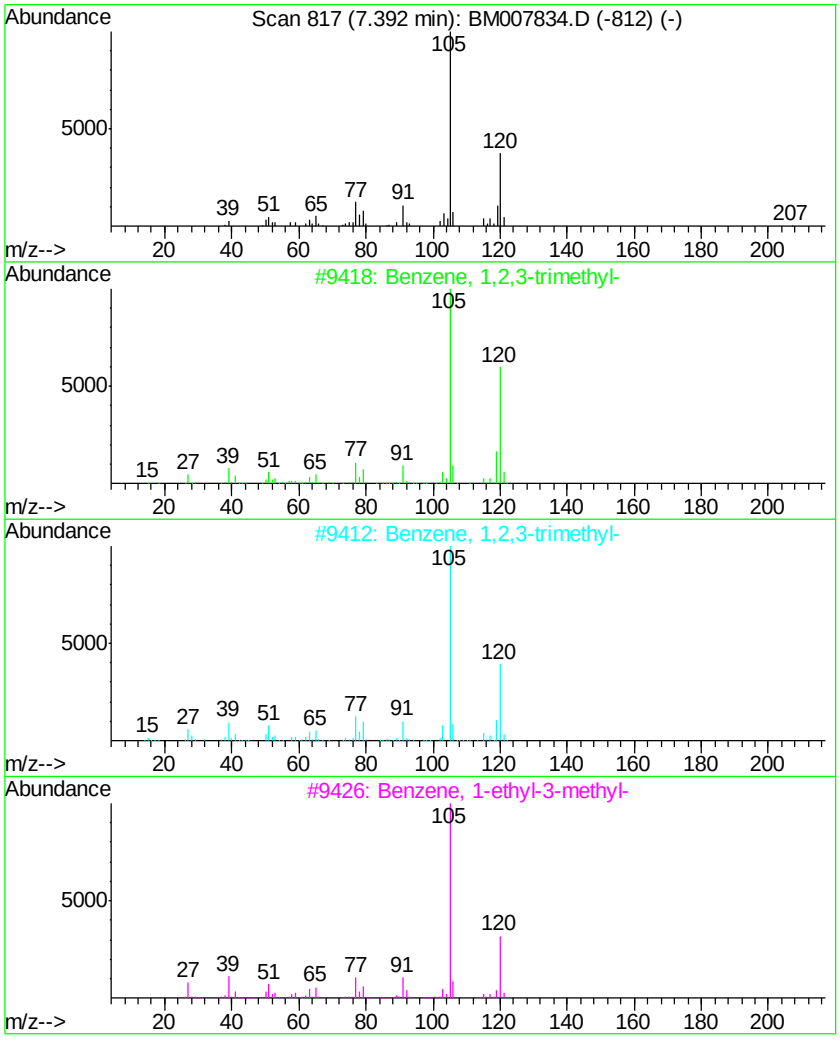
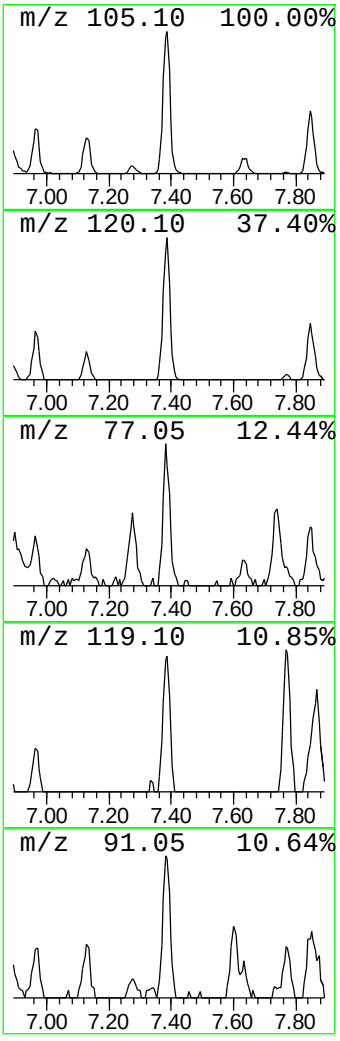
Peak Number 9 Benzene, 1,2,3-trimethyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.39	4.24 ng/ul	247907	1,4-Dichlorobenzene-d4	7.74

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1,2,3-trimethyl-	120	C9H12	000526-73-8	95
2	Benzene, 1,2,3-trimethyl-	120	C9H12	000526-73-8	94
3	Benzene, 1-ethyl-3-methyl-	120	C9H12	000620-14-4	91
4	Benzene, 1-ethyl-4-methyl-	120	C9H12	000622-96-8	91
5	Benzene, 1,2,3-trimethyl-	120	C9H12	000526-73-8	91





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Acq On : 11 Nov 2016 20:10
Operator : UM/SJ
Sample : H5610-02
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BD4L6

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM102016.M
Quant Title : SVOA CALIBRATION

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

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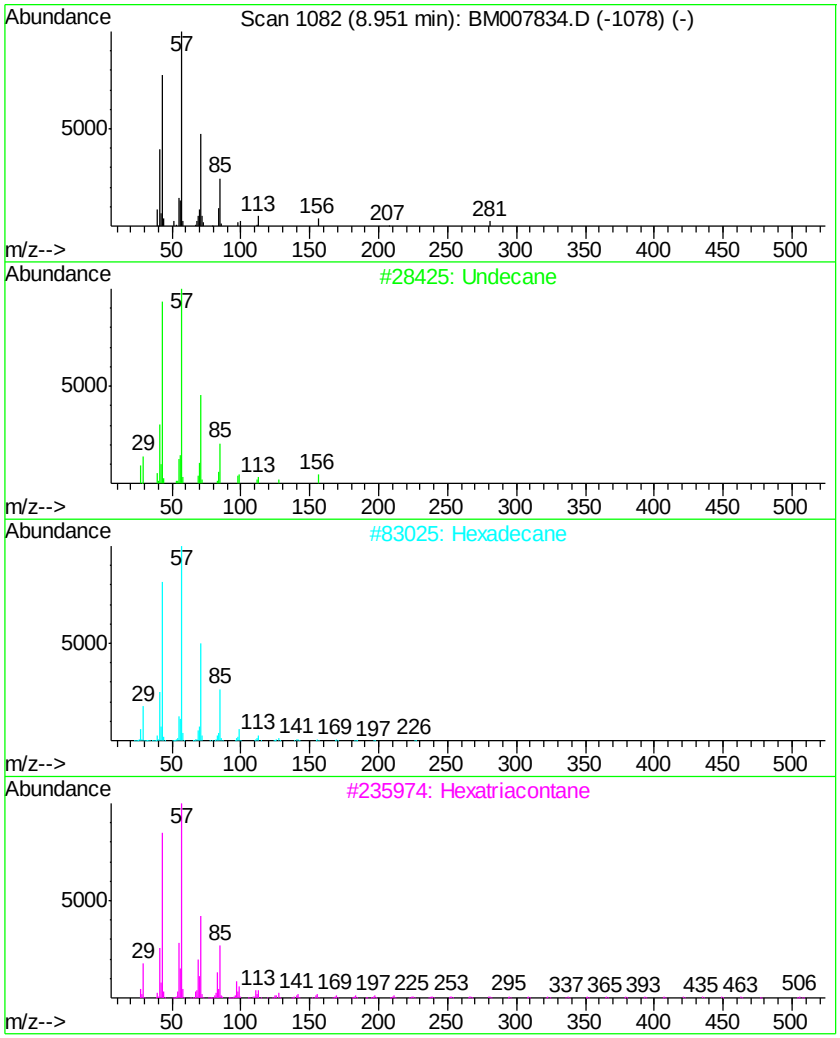
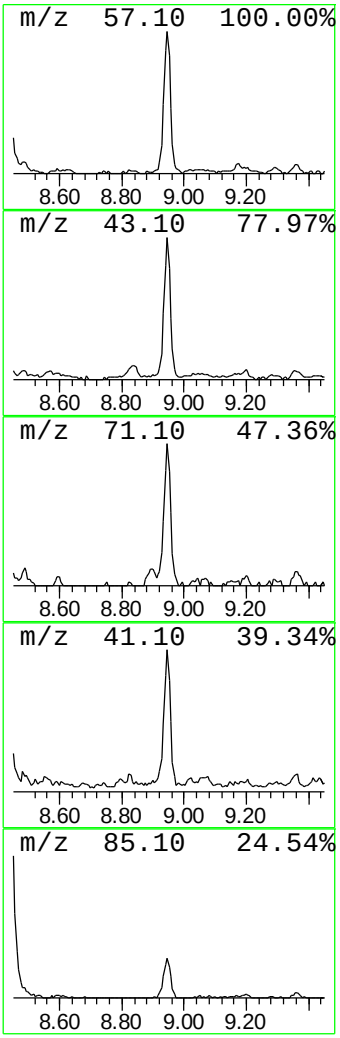
Peak Number 10 (DEL) Alkane: Straight-Chai... Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.95	2.94 ng/ul	171854	1,4-Dichlorobenzene-d4	7.74

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Undecane	156	C11H24	001120-21-4	90
2	Hexadecane	226	C16H34	000544-76-3	90
3	Hexatriacontane	507	C36H74	000630-06-8	83
4	Eicosane, 10-methyl-	296	C21H44	054833-23-7	83
5	Dodecane	170	C12H26	000112-40-3	83





Library Search Compound Report

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Sample : H5610-02
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BD4L6

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM102016.M
Quant Title : SVOA CALIBRATION

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

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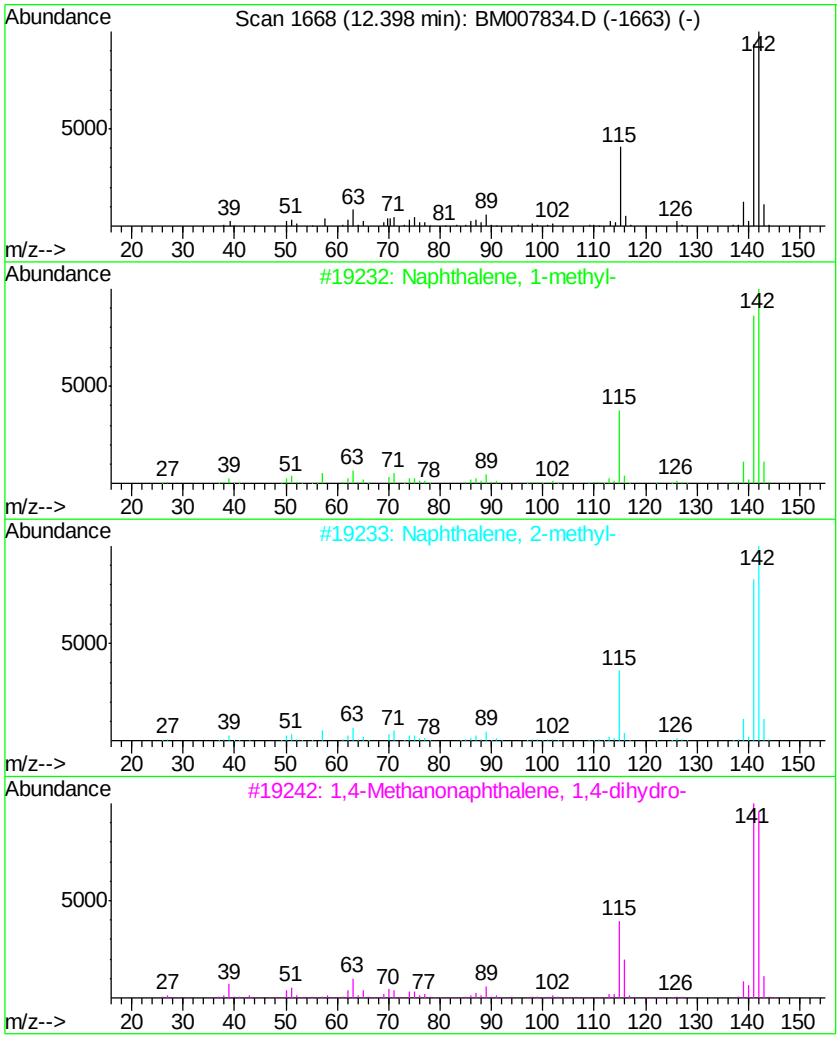
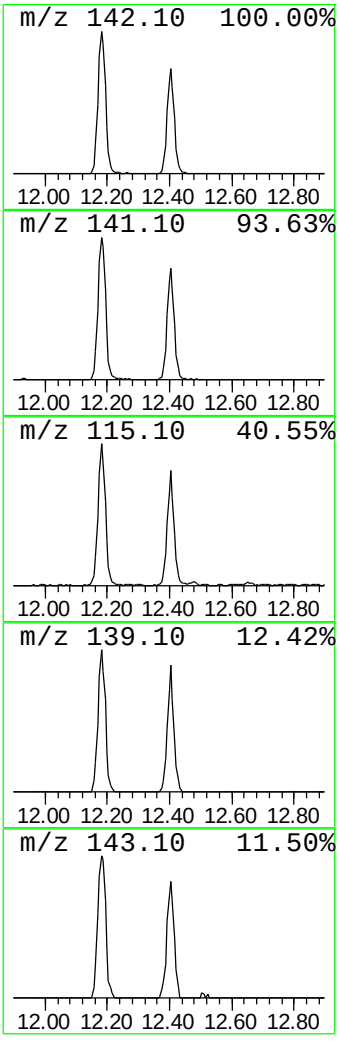
Peak Number 11 Naphthalene, 1-methyl- Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.40	5.60 ng/ul	452547	Naphthalene-d8	10.52

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1-methyl-	142	C11H10	000090-12-0	96
2	Naphthalene, 2-methyl-	142	C11H10	000091-57-6	96
3	1,4-Methanonaphthalene, 1,4-dihy...	142	C11H10	004453-90-1	94
4	Naphthalene, 1-methyl-	142	C11H10	000090-12-0	94
5	Naphthalene, 2-methyl-	142	C11H10	000091-57-6	93





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Operator : UM/SJ
Sample : H5610-02
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BD4L6

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM102016.M
Quant Title : SVOA CALIBRATION

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

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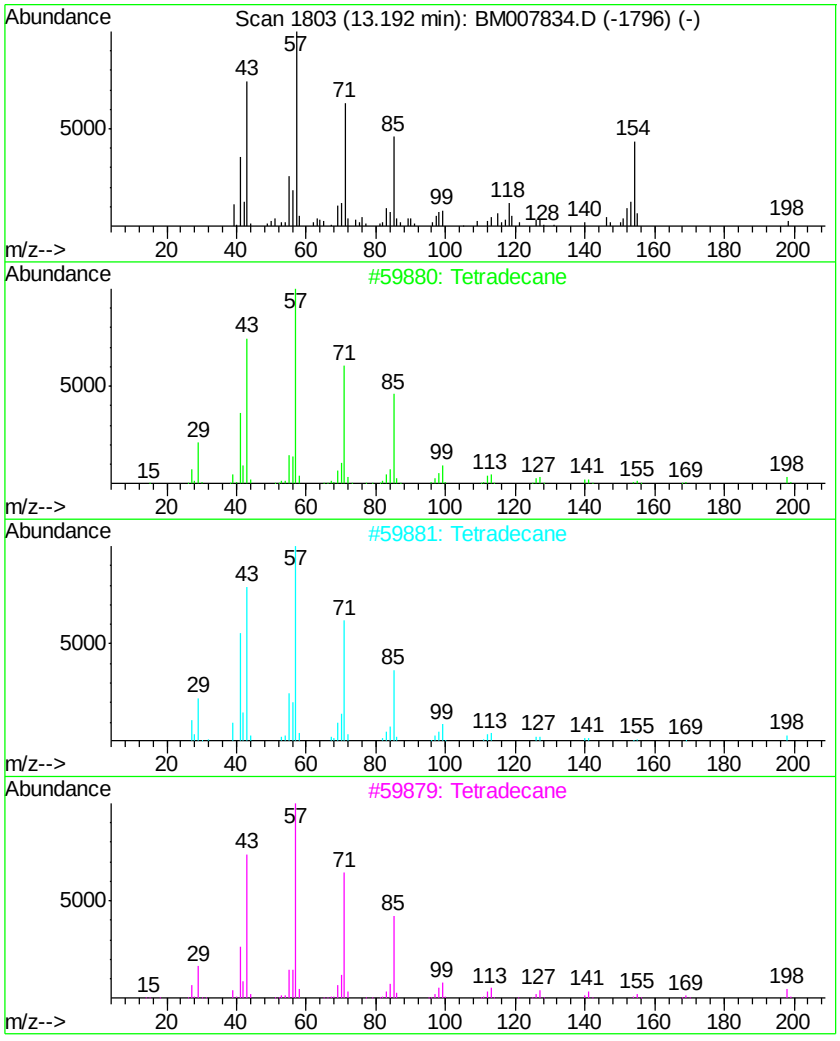
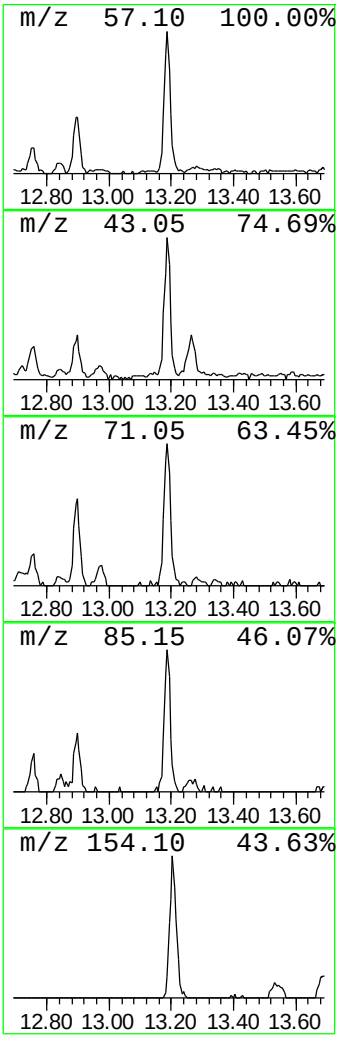
Peak Number 12 (DEL) Alkane: Straight-Chai... Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.19	2.21 ng/ul	219076	Acenaphthene-d10	14.37

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Tetradecane	198	C14H30	000629-59-4	95
2	Tetradecane	198	C14H30	000629-59-4	93
3	Tetradecane	198	C14H30	000629-59-4	81
4	Tridecane	184	C13H28	000629-50-5	74
5	Dodecane	170	C12H26	000112-40-3	72





Library Search Compound Report

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Acq On : 11 Nov 2016 20:10
Operator : UM/SJ
Sample : H5610-02
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BD4L6

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM102016.M
Quant Title : SVOA CALIBRATION

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

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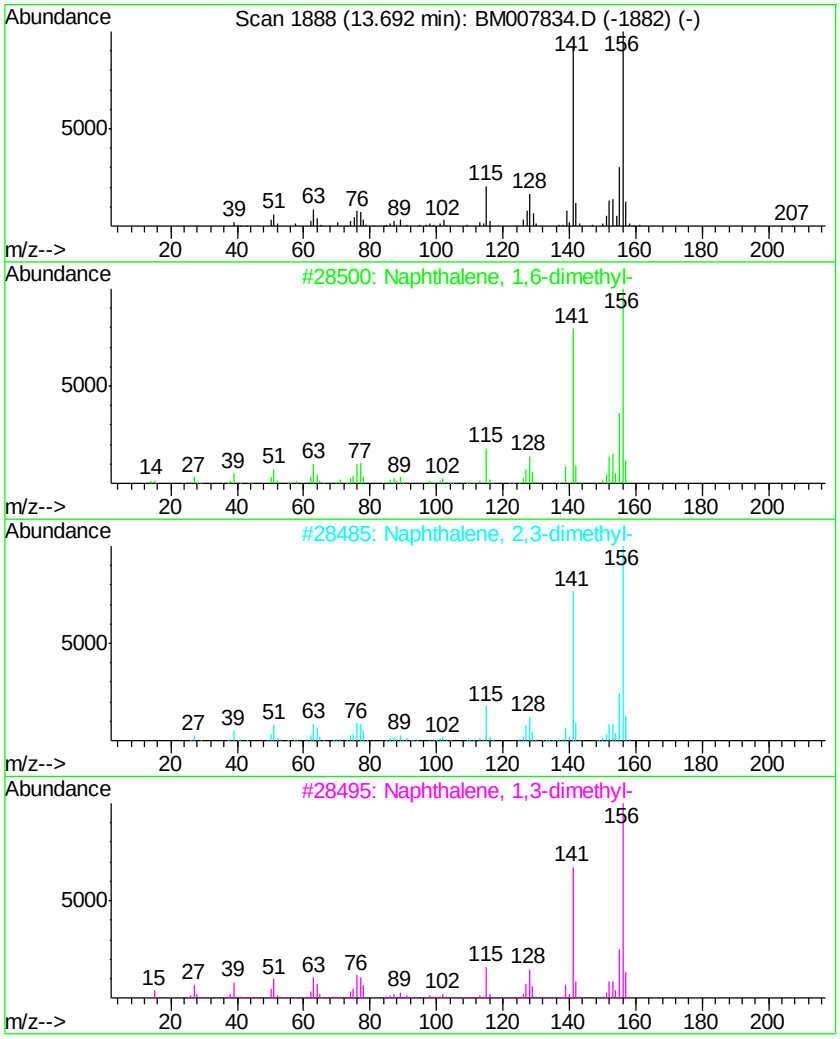
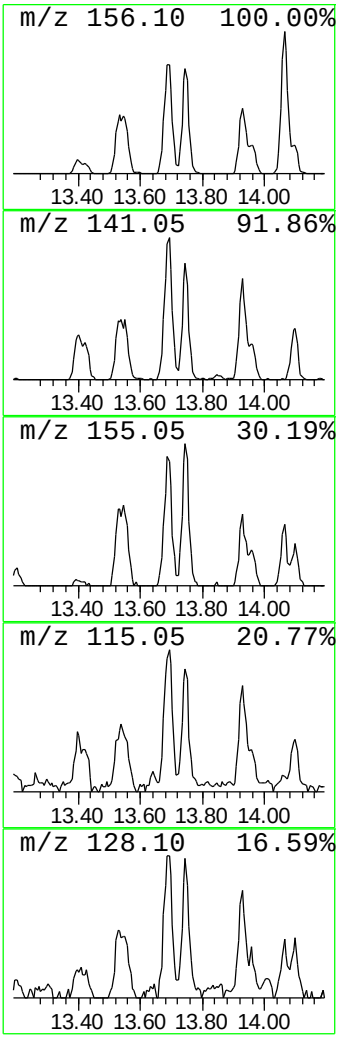
Peak Number 13 Naphthalene, 1,6-dimethyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.69	3.37 ng/ul	334423	Acenaphthene-d10	14.37

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	98
2	Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	97
3	Naphthalene, 1,3-dimethyl-	156	C12H12	000575-41-7	97
4	Naphthalene, 1,3-dimethyl-	156	C12H12	000575-41-7	97
5	Naphthalene, 1,7-dimethyl-	156	C12H12	000575-37-1	97





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Sample : H5610-02
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Instrument : BNA_M
ClientSampleId : BD4L6

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Quant Title : SVOA CALIBRATION

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

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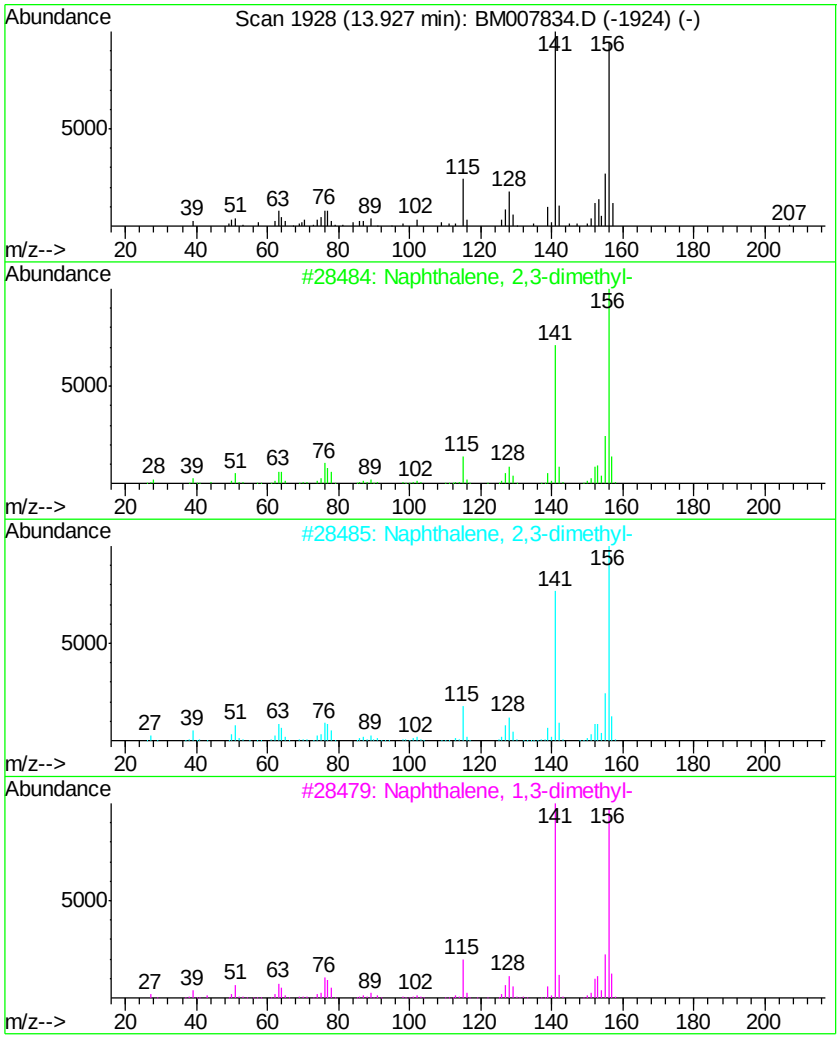
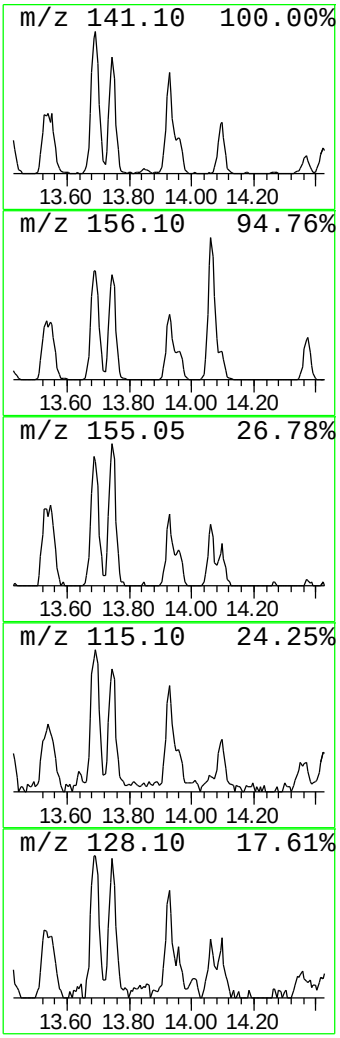
Peak Number 14 Naphthalene, 2,3-dimethyl- Concentration Rank 21

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.93	2.05 ng/ul	203112	Acenaphthene-d10	14.37

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	97
2	Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	97
3	Naphthalene, 1,3-dimethyl-	156	C12H12	000575-41-7	96
4	Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	96
5	Naphthalene, 1,7-dimethyl-	156	C12H12	000575-37-1	96





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Operator : UM/SJ
Sample : H5610-02
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BD4L6

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM102016.M
Quant Title : SVOA CALIBRATION

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

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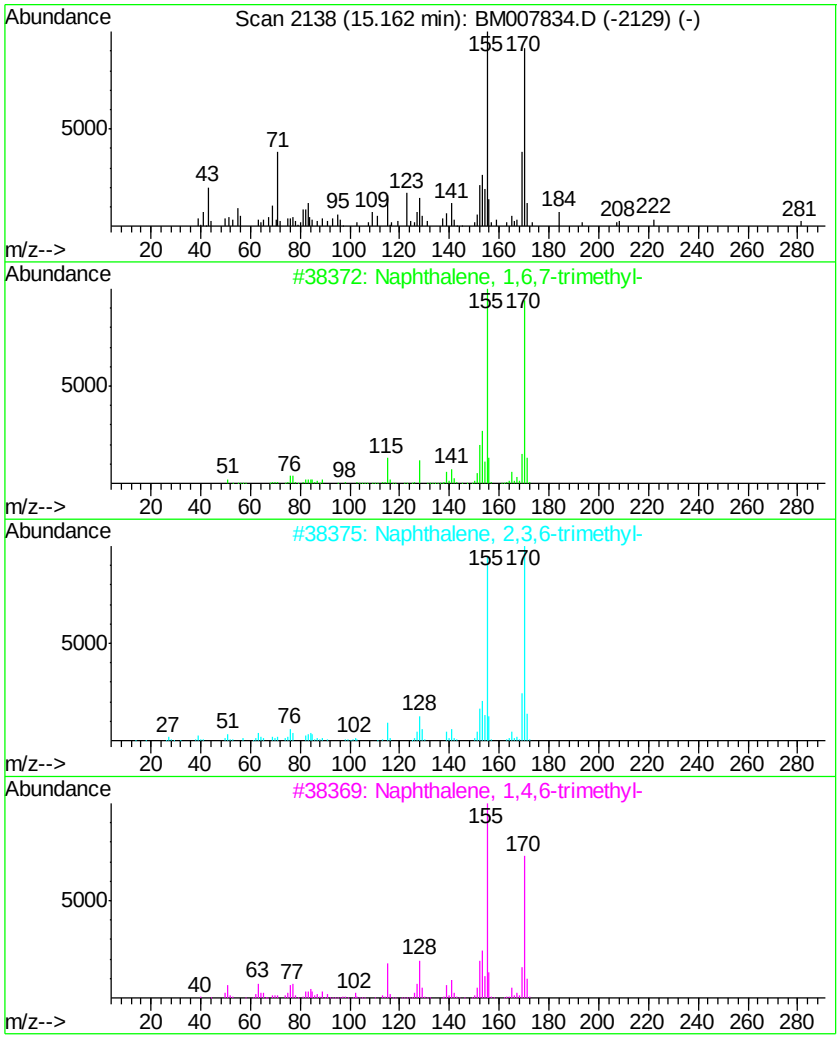
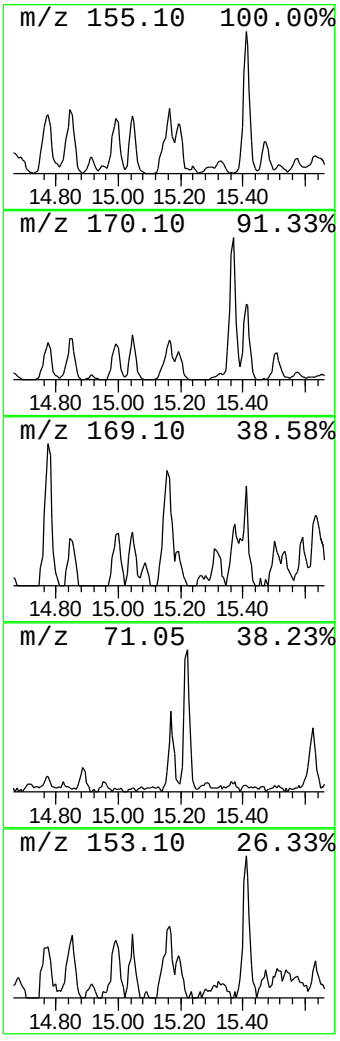
Peak Number 15 Naphthalene, 1,6,7-trimethyl- Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.16	2.06 ng/ul	204378	Acenaphthene-d10	14.37

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1,6,7-trimethyl-	170	C13H14	002245-38-7	96
2	Naphthalene, 2,3,6-trimethyl-	170	C13H14	000829-26-5	93
3	Naphthalene, 1,4,6-trimethyl-	170	C13H14	002131-42-2	92
4	4,6,8-Trimethylazulene	170	C13H14	000941-81-1	89
5	Naphthalene, 2,3,6-trimethyl-	170	C13H14	000829-26-5	86





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Sample : H5610-02
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BD4L6

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM102016.M
Quant Title : SVOA CALIBRATION

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

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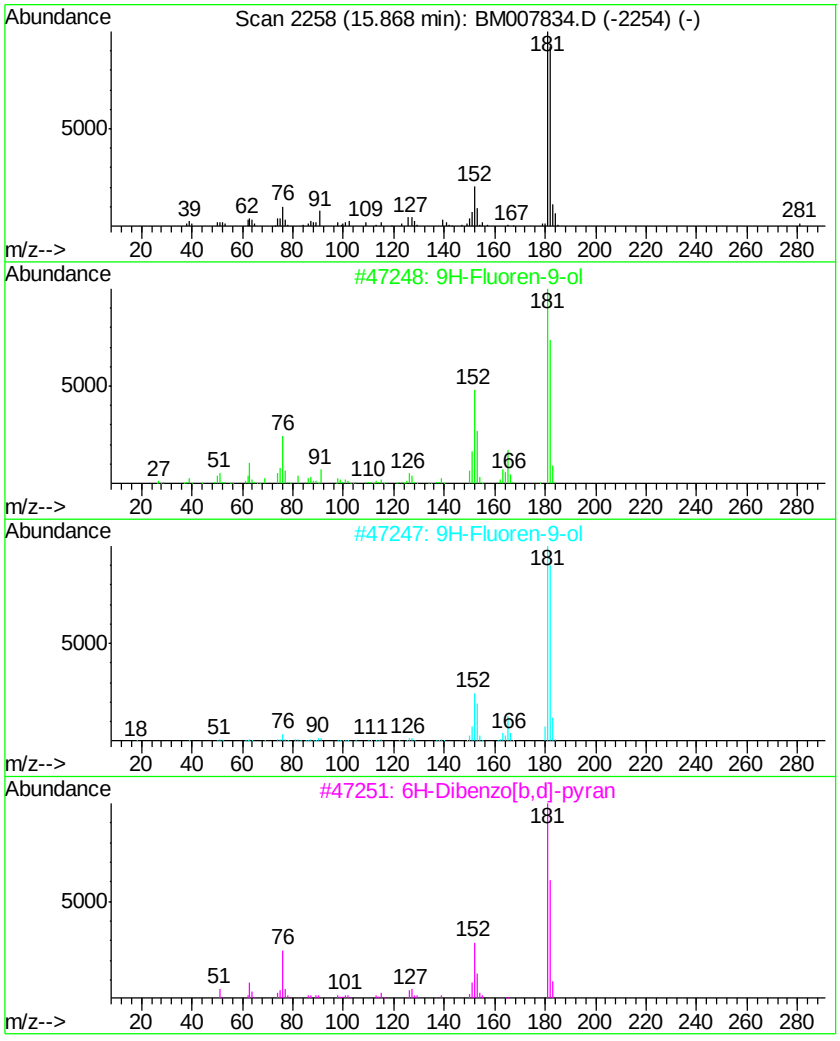
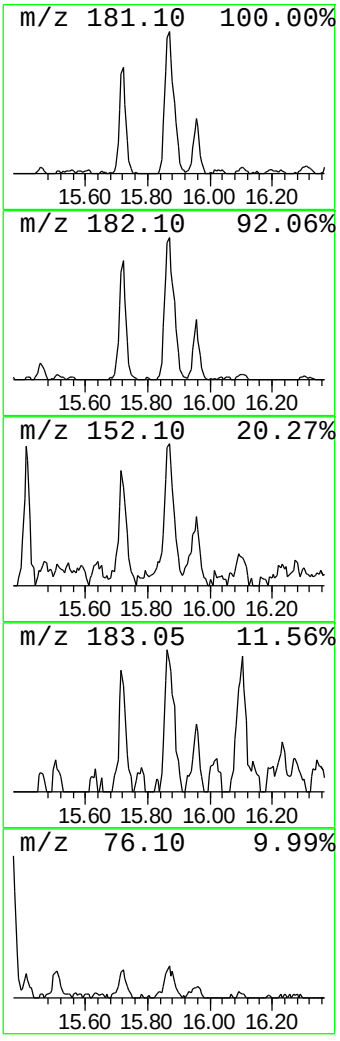
Peak Number 16 9H-Fluoren-9-ol Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.87	2.15 ng/ul	241254	Phenanthrene-d10	17.12

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9H-Fluoren-9-ol	182	C13H10O	001689-64-1	90
2	9H-Fluoren-9-ol	182	C13H10O	001689-64-1	86
3	6H-Dibenzo[b,d]-pyran	182	C13H10O	000229-95-8	83
4	2,4,6-Cycloheptatrien-1-one, 2-p...	182	C13H10O	014562-09-5	80
5	9H-Fluoren-9-ol	182	C13H10O	001689-64-1	78





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Sample : H5610-02
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BD4L6

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Quant Title : SVOA CALIBRATION

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

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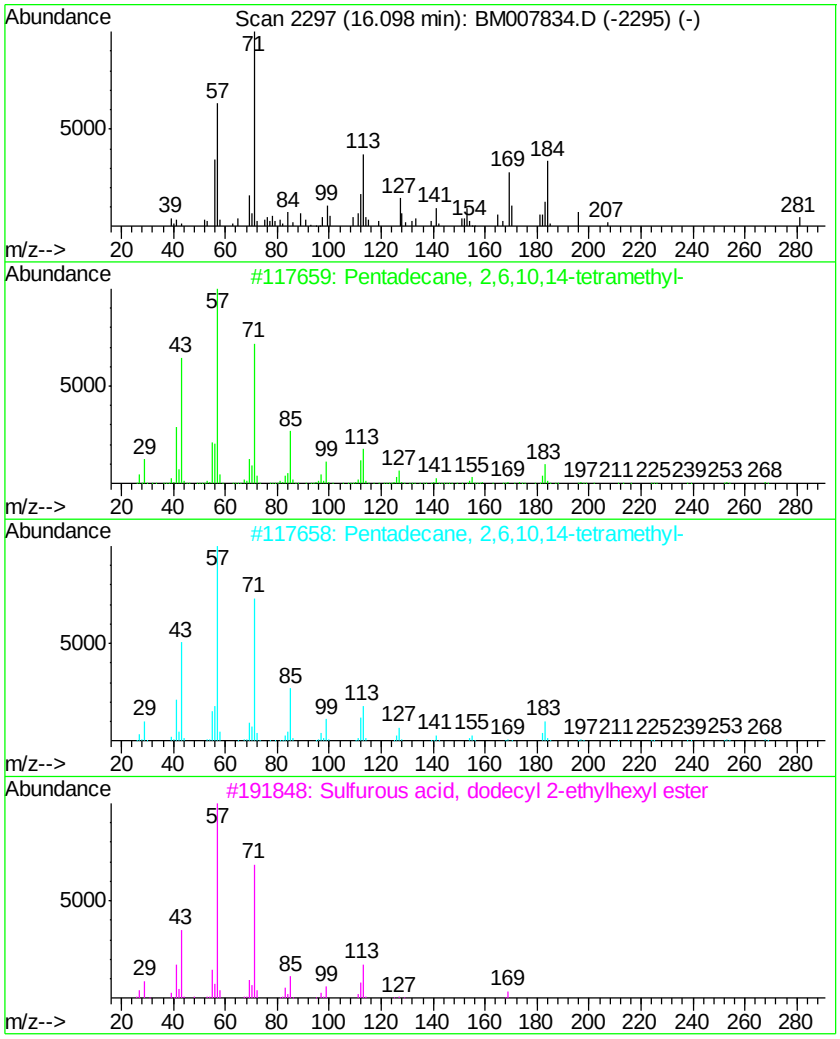
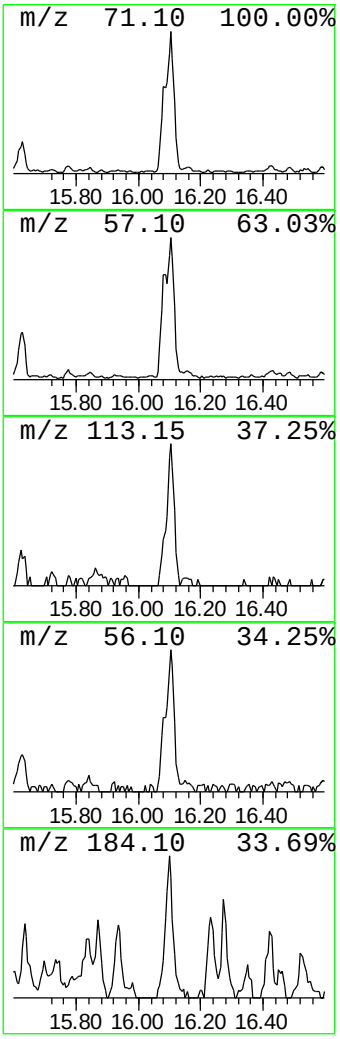
Peak Number 17 (DEL) Alkane: Straight-Chai... Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.10	3.18 ng/ul	356236	Phenanthrene-d10	17.12

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pentadecane, 2,6,10,14-tetramethyl-	268	C19H40	001921-70-6	64
2	Pentadecane, 2,6,10,14-tetramethyl-	268	C19H40	001921-70-6	59
3	Sulfurous acid, dodecyl 2-ethylh...	362	C20H42O3S	1000309-19-5	53
4	Sulfurous acid, 2-ethylhexyl tri...	376	C21H44O3S	1000309-19-6	53
5	Octane, 3,6-dimethyl-	142	C10H22	015869-94-0	47





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Sample : H5610-02
Misc :
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Instrument : BNA_M
ClientSampleId : BD4L6

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Quant Title : SVOA CALIBRATION

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

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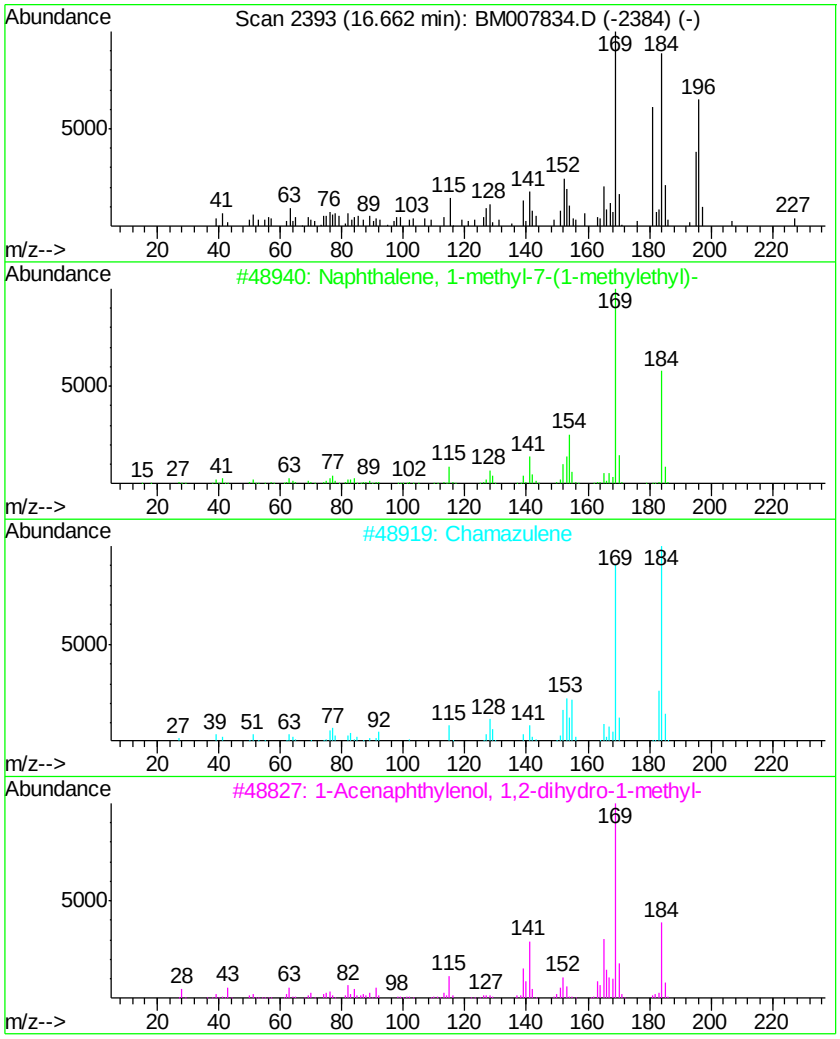
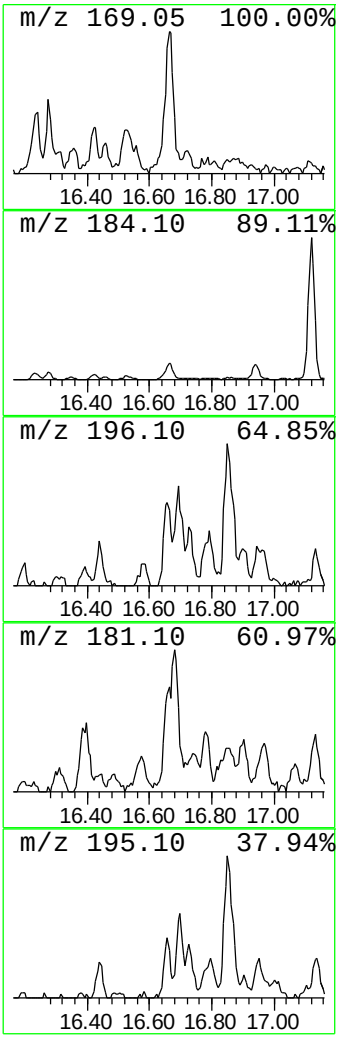
Peak Number 18 Naphthalene, 1-methyl-7-(1-... Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.66	2.11 ng/ul	236879	Phenanthrene-d10	17.12

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1-methyl-7-(1-methy...	184	C14H16	000490-65-3	62
2	Chamazulene	184	C14H16	000529-05-5	60
3	1-Acenaphthylenol, 1,2-dihydro-1...	184	C13H12O	041002-74-8	50
4	Naphtho[2,1-b]furan, 1,2-dimethyl-	196	C14H12O	129812-23-3	50
5	1,4,5,8-Tetramethylnaphthalene	184	C14H16	002717-39-7	50





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Instrument : BNA_M
ClientSampleId : BD4L6

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Quant Title : SVOA CALIBRATION

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

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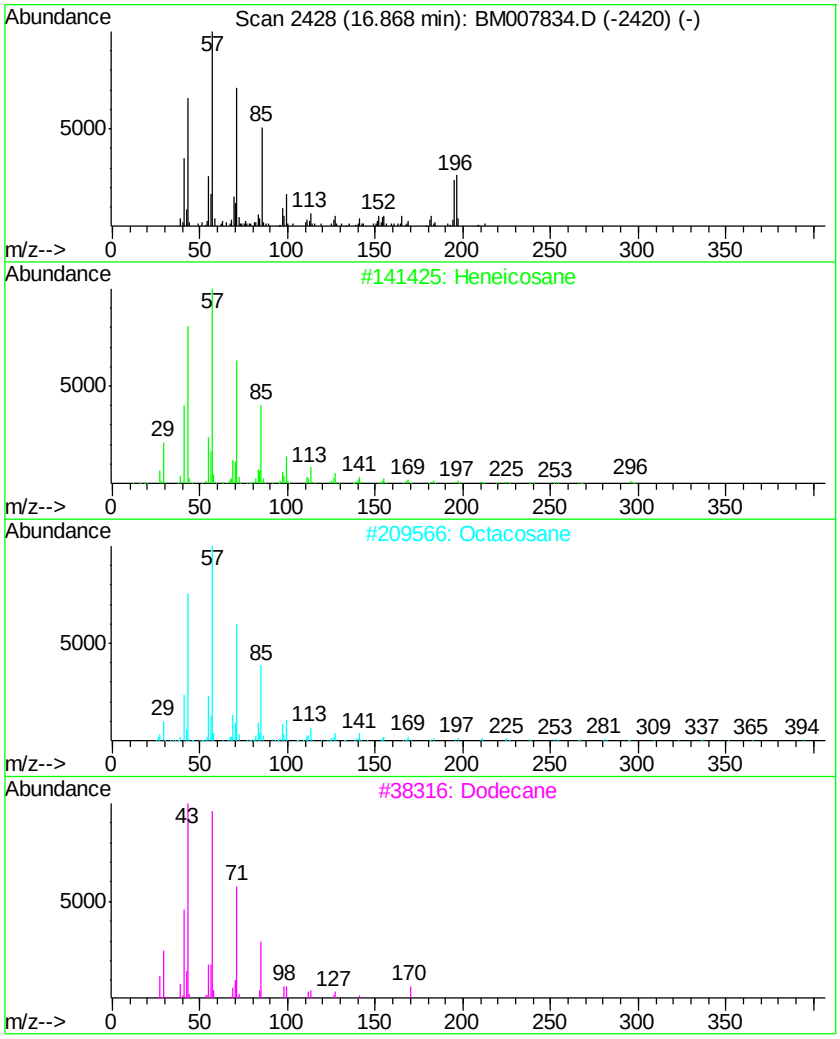
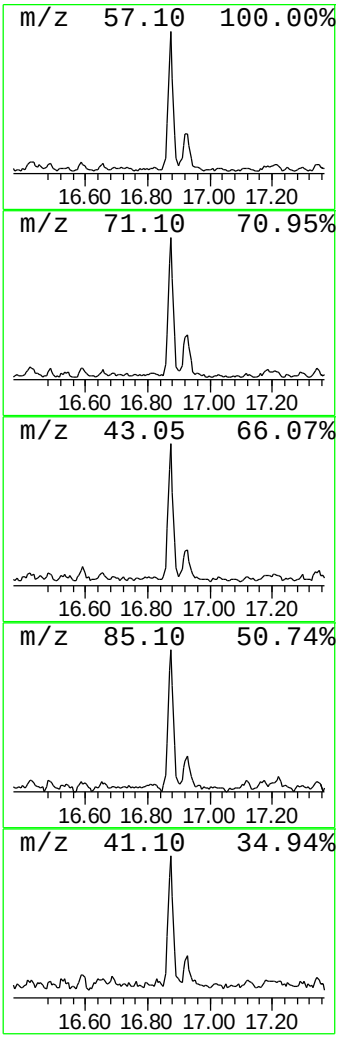
Peak Number 19 (DEL) Alkane: Straight-Chai... Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.87	3.02 ng/ul	338288	Phenanthrene-d10	17.12

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heneicosane	296	C21H44	000629-94-7	76
2	Octacosane	394	C28H58	000630-02-4	76
3	Dodecane	170	C12H26	000112-40-3	76
4	Docosane	310	C22H46	000629-97-0	72
5	Heptacosane	380	C27H56	000593-49-7	68





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

Instrument : BNA_M
ClientSampleId : BD4L6

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Quant Title : SVOA CALIBRATION

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

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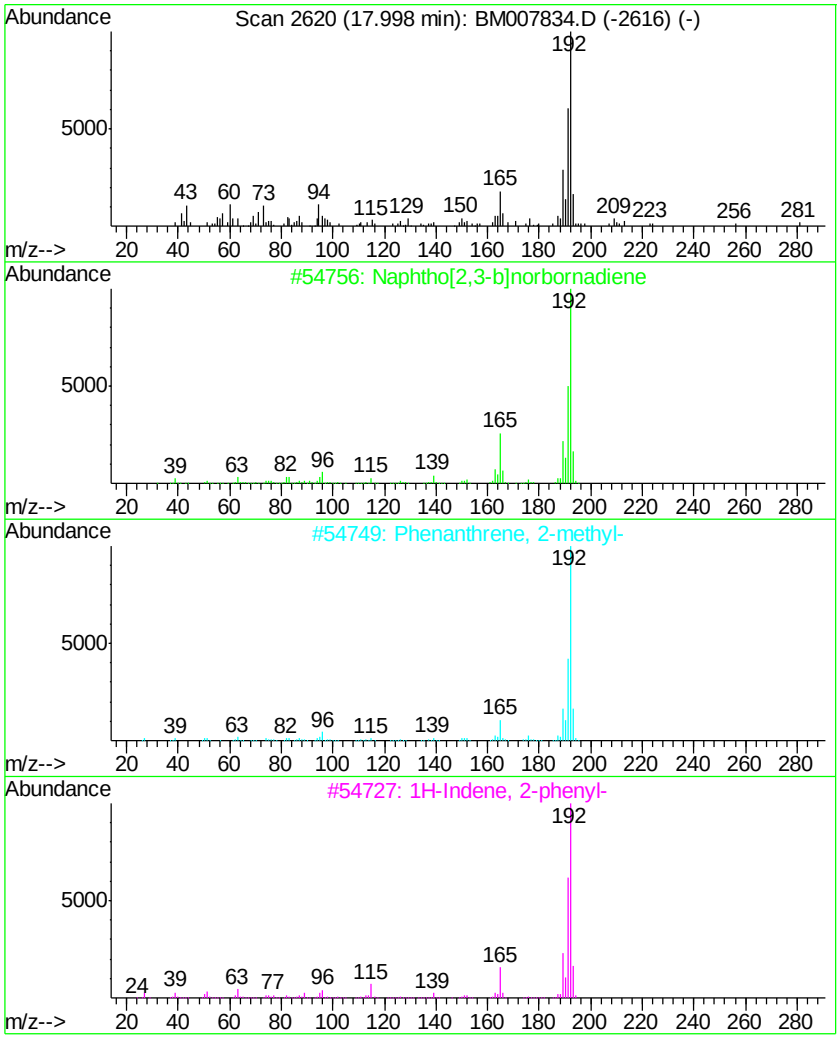
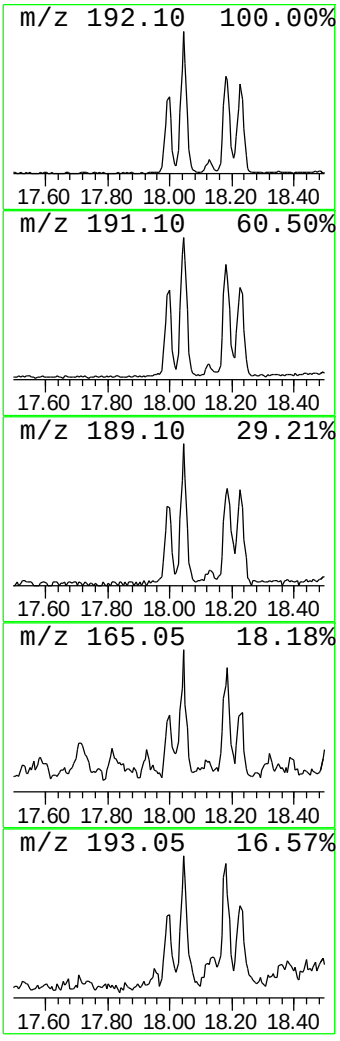
Peak Number 20 Naphtho[2,3-b]norbornadiene Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.00	2.52 ng/ul	282028	Phenanthrene-d10	17.12

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphtho[2,3-b]norbornadiene	192	C15H12	107426-38-0	93
2	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	93
3	1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	86
4	Anthracene, 9-methyl-	192	C15H12	000779-02-2	86
5	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	83





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Acq On : 11 Nov 2016 20:10
Operator : UM/SJ
Sample : H5610-02
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BD4L6

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM102016.M
Quant Title : SVOA CALIBRATION

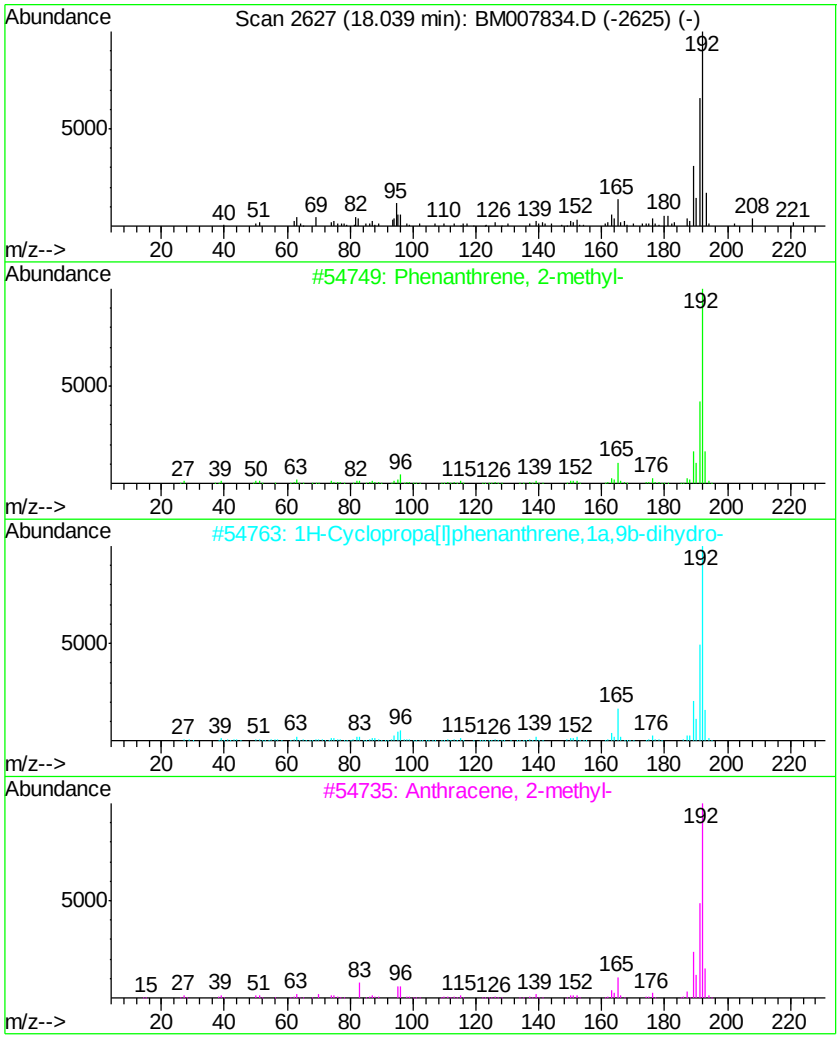
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

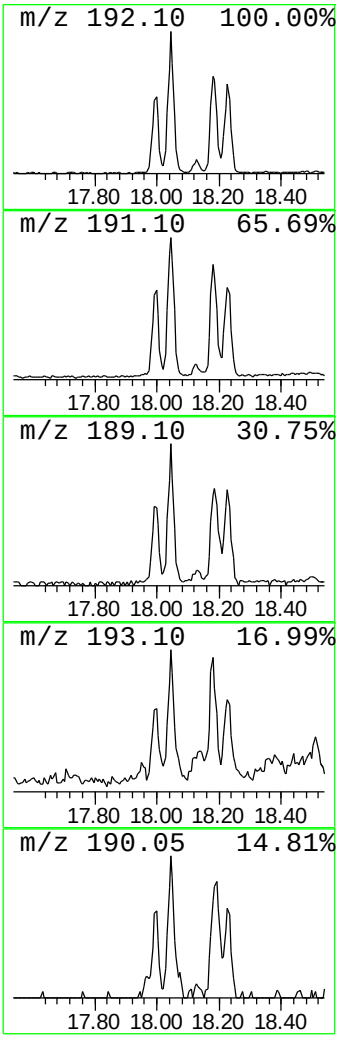
****

Peak Number 21 Phenanthrene, 2-methyl- Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.04	2.38 ng/ul	266497	Phenanthrene-d10	17.12

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	90
2	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	90
3	Anthracene, 2-methyl-	192	C15H12	000613-12-7	90
4	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	90
5	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	90





Data Path : Z:\HPCHEM1\BNA_M\DATA\BM111116\
Data File : BM007834.D
Acq On : 11 Nov 2016 20:10
Operator : UM/SJ
Sample : H5610-02
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BD4L6

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM102016.M
Quant Title : SVOA CALIBRATION

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

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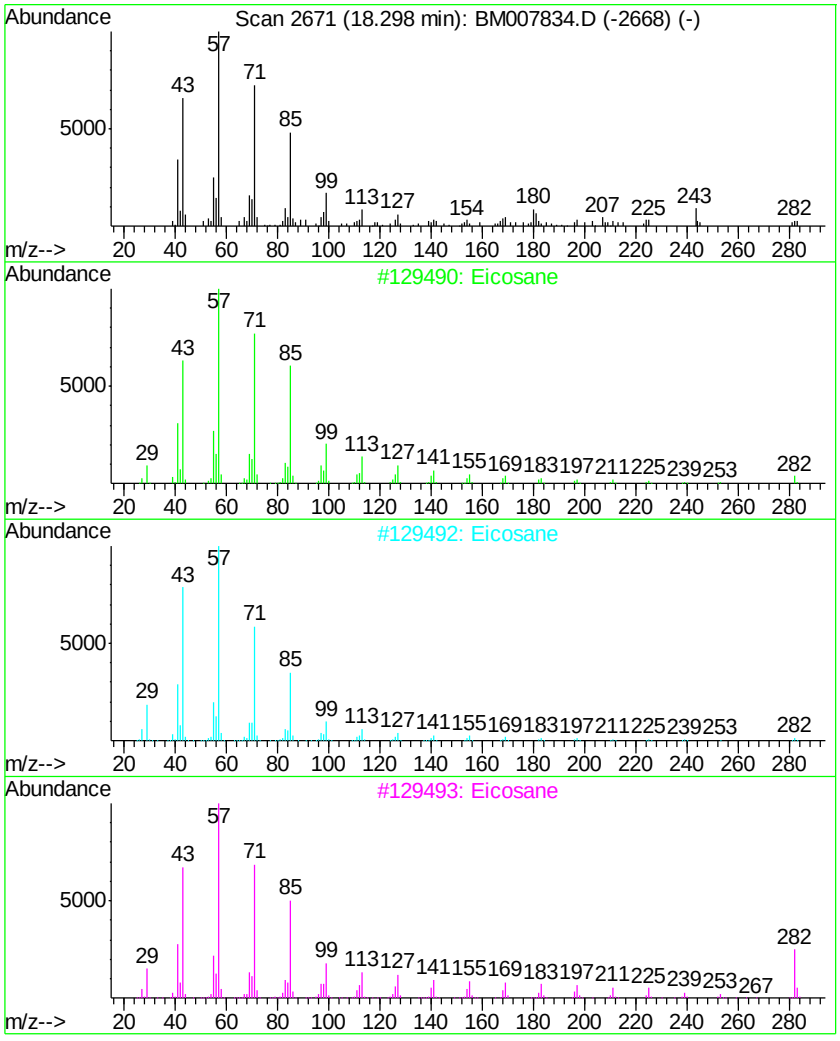
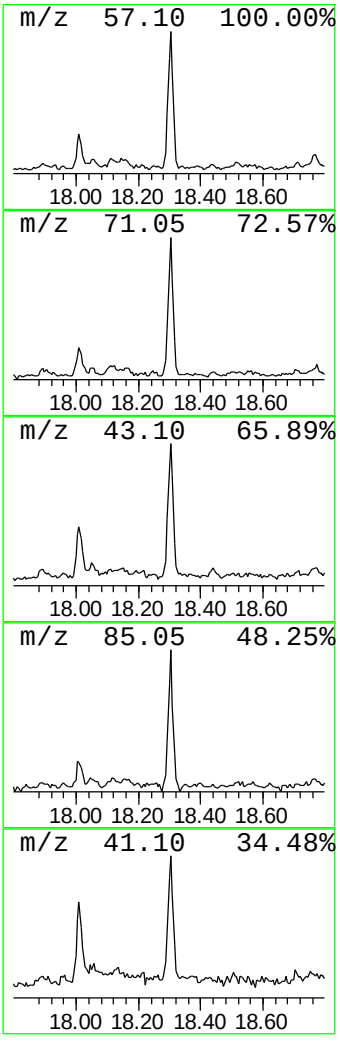
Peak Number 22 (DEL) Alkane: Straight-Chai... Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.30	2.10 ng/ul	235226	Phenanthrene-d10	17.12

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Eicosane	282	C20H42	000112-95-8	91
2	Eicosane	282	C20H42	000112-95-8	89
3	Eicosane	282	C20H42	000112-95-8	83
4	Heptadecane	240	C17H36	000629-78-7	74
5	Nonadecane	268	C19H40	000629-92-5	74





Tentatively Identified Compound (LSC) summary

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM111116\
Data File : BM007834.D
Acq On : 11 Nov 2016 20:10
Operator : UM/SJ
Sample : H5610-02
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BD4L6

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM102016.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
unknown-01	2.63	2.3	ng/ul	134928	1	7.74	1169770	20.0
(DEL) Alkane: Cyc...	3.52	2.3	ng/ul	135088	1	7.74	1169770	20.0
2-Pentanone, 4-hy...	4.90	8.5	ng/ul	499275	1	7.74	1169770	20.0
Benzene, 1,3-dime...	5.40	4.8	ng/ul	281084	1	7.74	1169770	20.0
(DEL) Alkane: Str...	7.35	2.0	ng/ul	119179	1	7.74	1169770	20.0
Benzene, 1,2,3-tr...	7.39	4.2	ng/ul	247907	1	7.74	1169770	20.0
(DEL) Alkane: Str...	8.95	2.9	ng/ul	171854	1	7.74	1169770	20.0
Naphthalene, 1-me...	12.40	5.6	ng/ul	452547	2	10.52	1615530	20.0
(DEL) Alkane: Str...	13.19	2.2	ng/ul	219076	3	14.37	1985020	20.0
Naphthalene, 1,6-...	13.69	3.4	ng/ul	334423	3	14.37	1985020	20.0
Naphthalene, 2,3-...	13.93	2.0	ng/ul	203112	3	14.37	1985020	20.0
Naphthalene, 1,6,...	15.16	2.1	ng/ul	204378	3	14.37	1985020	20.0
9H-Fluoren-9-ol	15.87	2.1	ng/ul	241254	4	17.12	2240260	20.0
(DEL) Alkane: Str...	16.10	3.2	ng/ul	356236	4	17.12	2240260	20.0
Naphthalene, 1-me...	16.66	2.1	ng/ul	236879	4	17.12	2240260	20.0
(DEL) Alkane: Str...	16.87	3.0	ng/ul	338288	4	17.12	2240260	20.0
Naphtho[2,3-b]nor...	18.00	2.5	ng/ul	282028	4	17.12	2240260	20.0
Phenanthrene, 2-m...	18.04	2.4	ng/ul	266497	4	17.12	2240260	20.0
(DEL) Alkane: Str...	18.30	2.1	ng/ul	235226	4	17.12	2240260	20.0