LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA M\DATA\BM112717\
Data File : BM013108.D
Acq On : 27 Nov 2017 12:58
Operator : SJ/JU
Sample : I6549-11
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : A41R2

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-BM111617.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	6.887	638	646	656	rVB3	284247	601315	2.03%	0.278%
2	7.051	668	674	685	rVB	584593	918166	3.10%	0.424%
3	7.245	700	707	714	rVB	801030	1248207	4.21%	0.577%
4	7.710	778	786	791	rBV	782961	1219182	4.11%	0.563%
5	8.416	899	906	920	rBV2	637303	1093882	3.69%	0.505%
6	8.863	976	982	991	rVB	808421	1350340	4.56%	0.624%
7	9.581	1095	1104	1114	rBV	662259	1137647	3.84%	0.526%
8	9.910	1139	1160	1169	rBV2	632879	2258961	7.62%	1.044%
9	10.116	1188	1195	1202	rVB	1062152	1752472	5.91%	0.810%
10	10.486	1251	1258	1265	rBV	993128	1652834	5.58%	0.764%
11	12.663	1616	1628	1632	rBV	661458	1413416	4.77%	0.653%
12	13.763	1809	1815	1821	rBV	1912968	2618979	8.84%	1.210%
13	14.039	1858	1862	1870	rVB	2178354	3173421	10.71%	1.466%
14	14.351	1909	1915	1922	rVB2	1454954	2291013	7.73%	1.058%
15	14.474	1930	1936	1944	rBV	668902	934674	3.15%	0.432%
16	14.839	1986	1998	2009	rVV	3943465	9848411	33.23%	4.550%
17	14.951	2013	2017	2024	rVB	319437	552765	1.87%	0.255%
18	15.098	2037	2042	2046	rBV	499547	686828	2.32%	0.317%
19	15.151	2046	2051	2053	rVV2	315794	503729	1.70%	0.233%
20	15.174	2053	2055	2063	rVV2	303250	472725	1.60%	0.218%
21	15.304	2074	2077	2080	rVV	302474	449052	1.52%	0.207%
22	15.345	2080	2084	2090	rVB	2591310	3717193	12.54%	1.717%
23	15.463	2100	2104	2110	rVB	515330	730857	2.47%	0.338%
24	15.527	2110	2115	2117	rVV2	417639	617091	2.08%	0.285%
25	15.557	2117	2120	2124	rVV	731253	900954	3.04%	0.416%
26	15.610	2124	2129	2134	rVV	898650	1291419	4.36%	0.597%
27	15.663	2134	2138	2145	rVB2	864046	1372562	4.63%	0.634%
28	15.863	2168	2172	2176	rBV	907076	1106644	3.73%	0.511%
29	16.080	2204	2209	2215	rBV3	450226	814088	2.75%	0.376%
30	16.192	2224	2228	2235	rVB	1303988	1822187	6.15%	0.842%
31	16.351	2248	2255	2259	rBV3	1870871	3583774	12.09%	1.656%
32	16.386	2259	2261	2267	rVB	1204365	1427888	4.82%	0.660%
33	16.504	2276	2281	2282	rBV	905390	1224421	4.13%	0.566%
34	16.533	2282	2286	2298	rVB	2068162	3341888	11.28%	1.544%

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Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : A41R2

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-BM111617.M
Title : SVOA CALIBRATION

35	16.698	2308	2314	2318	rVB	1070751	1414881	4.77%	0.654%
36	16.868	2339	2343	2349	rVV7	208477	560458	1.89%	0.259%
37	17.009	2362	2367	2372	rVB	1859273	2324637	7.84%	1.074%
38	17.098	2372	2382	2389	rBV2	2091918	3915638	13.21%	1.809%
39	17.192	2393	2398	2409	rVV2	3037865	5070367	17.11%	2.342%
40	17.280	2409	2413	2417	rVV2	447825	774072	2.61%	0.358%
41	17.586	2461	2465	2473	rBV2	413345	628221	2.12%	0.290%
42	17.892	2513	2517	2525	rBV	803278	1217972	4.11%	0.563%
43	17.974	2527	2531	2534	rVV3	347432	574259	1.94%	0.265%
44	18.009	2534	2537	2547	rVV3	794218	1762270	5.95%	0.814%
45	18.109	2551	2554	2561	rVB2	362022	510412	1.72%	0.236%
46	18.286	2580	2584	2593	rVB3	520710	820593	2.77%	0.379%
47	18.474	2606	2616	2624	rBV	5716636	11975639	40.41%	5.533%
48	18.992	2700	2704	2707	rBV	1314003	1682802	5.68%	0.777%
49	19.056	2712	2715	2717	rBV2	417451	521473	1.76%	0.241%
50	19.168	2731	2734	2738	rBV3	538037	828622	2.80%	0.383%
51	19.392	2769	2772	2777	rVB	717958	874891	2.95%	0.404%
52	19.492	2785	2789	2794	rVB	3076896	3988467	13.46%	1.843%
53	19.551	2794	2799	2803	rBV2	3038233	4128852	13.93%	1.907%
54	19.645	2812	2815	2822	rVB4	849250	1191188	4.02%	0.550%
55	19.745	2825	2832	2838	rBV	7606199	14039771	47.38%	6.486%
56	20.009	2874	2877	2883	rVB	779834	928183	3.13%	0.429%
57	20.156	2899	2902	2907	rBV3	733068	883579	2.98%	0.408%
58	20.492	2955	2959	2960	rBV2	1065657	1264887	4.27%	0.584%
59	20.515	2961	2963	2967	rVB	1248129	1297999	4.38%	0.600%
60	20.586	2973	2975	2980	rVB	752990	827405	2.79%	0.382%
61	20.650	2983	2986	2991	rVV	1846821	2094109	7.07%	0.967%
62	20.721	2994	2998	3005	rVV3	2996056	5167676	17.44%	2.387%
63	20.839	3007	3018	3029	rVB	11331762	29632948	100.00%	13.690%
64	20.933	3030	3034	3038	rVB	1196600	1552339	5.24%	0.717%
65	20.974	3038	3041	3044	rBV	1094789	1068990	3.61%	0.494%
66	21.045	3050	3053	3060	rVB	989875	1126778	3.80%	0.521%
67	21.180	3073	3076	3079	rBV	924973	938898	3.17%	0.434%
68	21.209	3079	3081	3085	rVB	658309	667479	2.25%	0.308%
69	21.286	3089	3094	3100	rBV3	2179349	3449812	11.64%	1.594%
70	21.403	3111	3114	3119	rBV4	464356	826907	2.79%	0.382%
71	21.474	3124	3126	3132	rVB2	666310	828760	2.80%	0.383%

LSC Area Percent Report

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Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : A41R2

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

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Peak separation: 5

Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM111617.M
Title : SVOA CALIBRATION

72	21.609	3145	3149	3155	rVB2	932533	1149804	3.88%	0.531%
73	21.697	3159	3164	3166	rBV2	1459524	2467769	8.33%	1.140%
74	21.762	3171	3175	3179	rBV	4665199	6218872	20.99%	2.873%
75	21.927	3200	3203	3208	rVB	854331	1047475	3.53%	0.484%
76	22.044	3220	3223	3228	rVB	729806	895780	3.02%	0.414%
77	22.109	3229	3234	3238	rVV	1293627	2290076	7.73%	1.058%
78	22.150	3238	3241	3249	rVV2	1264328	1854448	6.26%	0.857%
79	22.233	3251	3255	3261	rVB	1019345	1419047	4.79%	0.656%
80	22.386	3278	3281	3291	rVB	942363	1403590	4.74%	0.648%
81	22.527	3301	3305	3311	rBV	618737	1193121	4.03%	0.551%
82	22.803	3349	3352	3357	rBV	781535	1097255	3.70%	0.507%
83	22.897	3365	3368	3375	rVB	559261	825973	2.79%	0.382%
84	22.986	3379	3383	3386	rVV	815521	1290322	4.35%	0.596%
85	23.027	3386	3390	3400	rVV2	794241	1801204	6.08%	0.832%
86	23.115	3401	3405	3412	rVB	721290	1199669	4.05%	0.554%
87	23.303	3433	3437	3443	rBV	578119	877378	2.96%	0.405%
88	23.374	3443	3449	3454	rBV2	1569771	2814725	9.50%	1.300%
89	23.468	3461	3465	3467	rBV	450658	649708	2.19%	0.300%
90	23.515	3468	3473	3480	rVV3	1835625	3972236	13.40%	1.835%
91	23.586	3481	3485	3498	rVB2	783914	1535636	5.18%	0.709%
92	23.697	3499	3504	3514	rVB	727303	1487446	5.02%	0.687%
93	23.921	3538	3542	3551	rVB	599826	1193478	4.03%	0.551%
94	24.068	3562	3567	3570	rBV2	380232	672306	2.27%	0.311%
95	24.115	3571	3575	3588	rVB3	789798	2313596	7.81%	1.069%
96	24.744	3677	3682	3687	rBV2	406869	864877	2.92%	0.400%
97	24.803	3687	3692	3701	rVB2	703229	1553342	5.24%	0.718%
98	24.944	3711	3716	3724	rVB2	450064	992021	3.35%	0.458%
99	25.221	3759	3763	3779	rVB3	439200	1273132	4.30%	0.588%
100	25.627	3827	3832	3838	rVB	319110	608823	2.05%	0.281%

Sum of corrected areas: 216454328

LSC Report - Integrated Chromatogram

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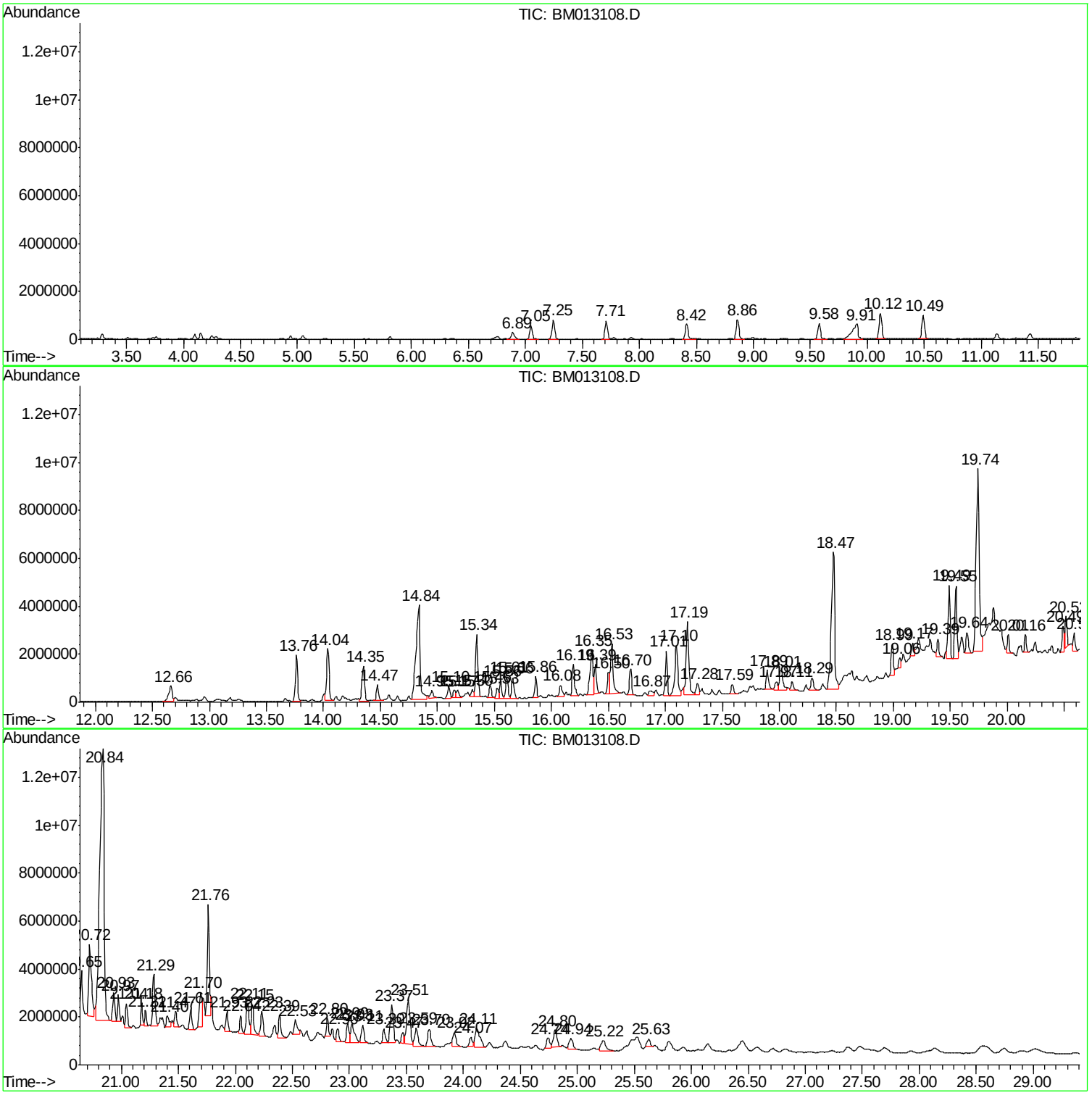
Sample : I6549-11
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : A41R2

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM111617.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\BM112717\
Data File : BM013108.D
Acq On : 27 Nov 2017 12:58
Operator : SJ/JU
Sample : I6549-11
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : A41R2

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM111617.M
Quant Title : SVOA CALIBRATION

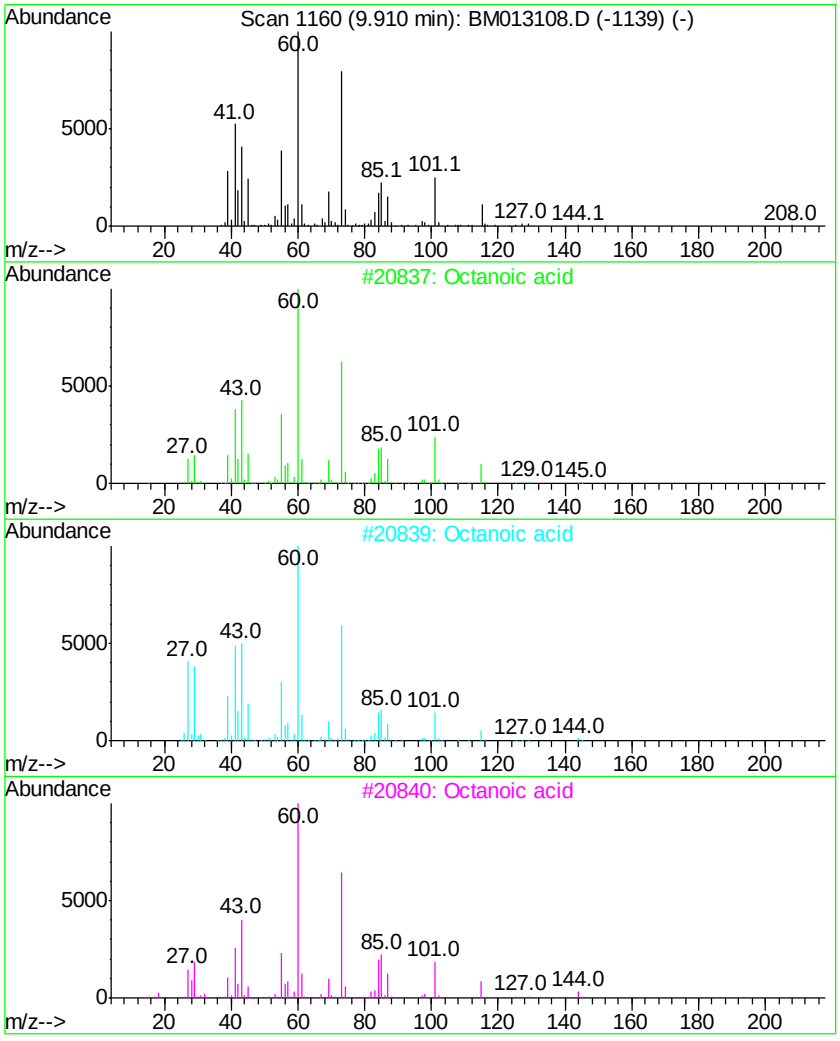
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

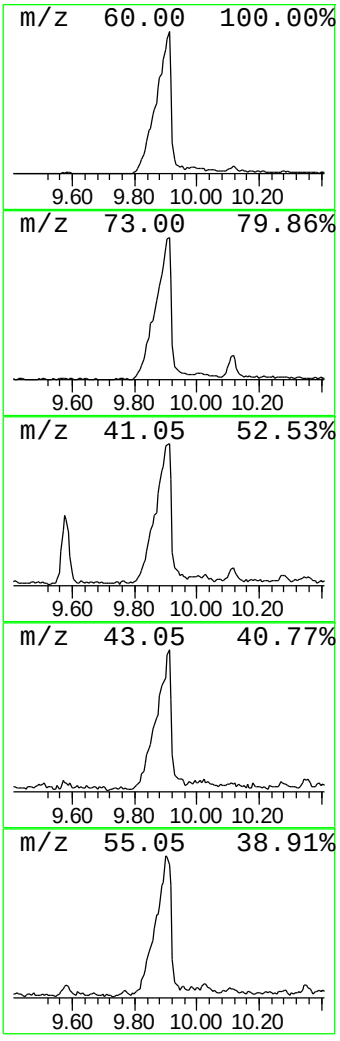
****

Peak Number 1 Octanoic acid Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.91	27.33 ng/ul	2258960	Naphthalene-d8	10.49

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Octanoic acid	144	C8H16O2	000124-07-2	95
2	Octanoic acid	144	C8H16O2	000124-07-2	83
3	Octanoic acid	144	C8H16O2	000124-07-2	64
4	Nonanoic acid	158	C9H18O2	000112-05-0	53
5	Hexanoic acid	116	C6H12O2	000142-62-1	47





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Instrument : BNA_M
ClientSampleId : A41R2

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM111617.M
Quant Title : SVOA CALIBRATION

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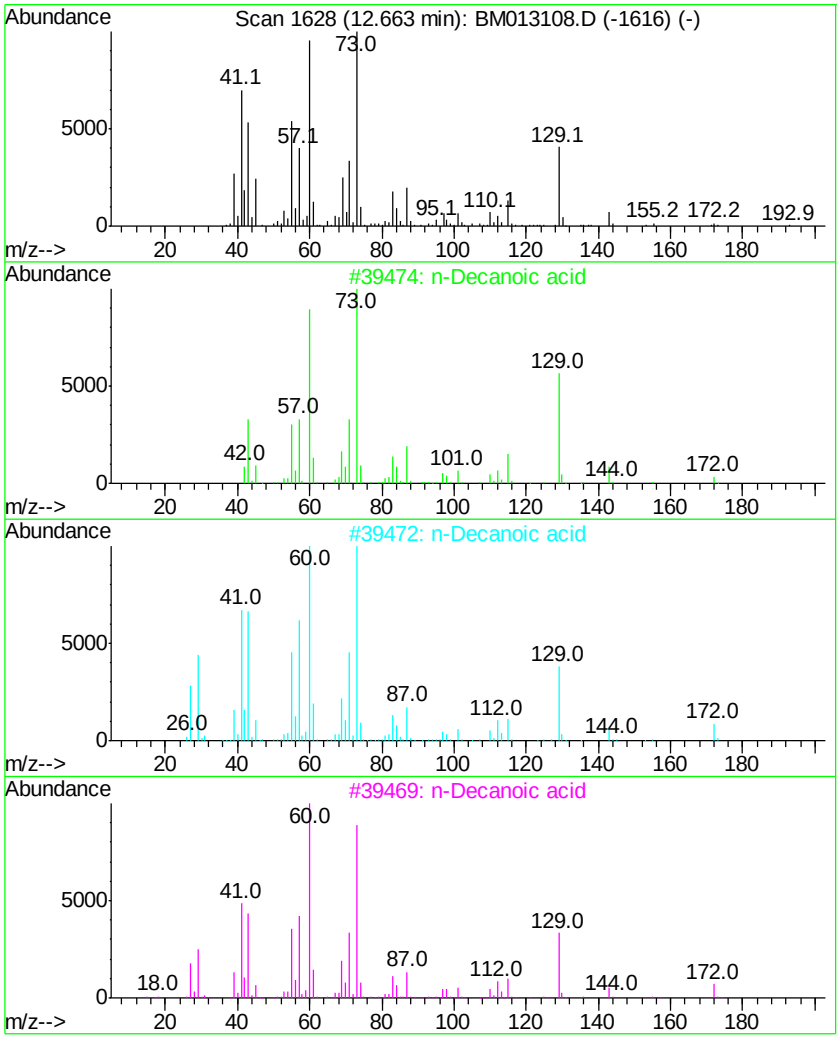
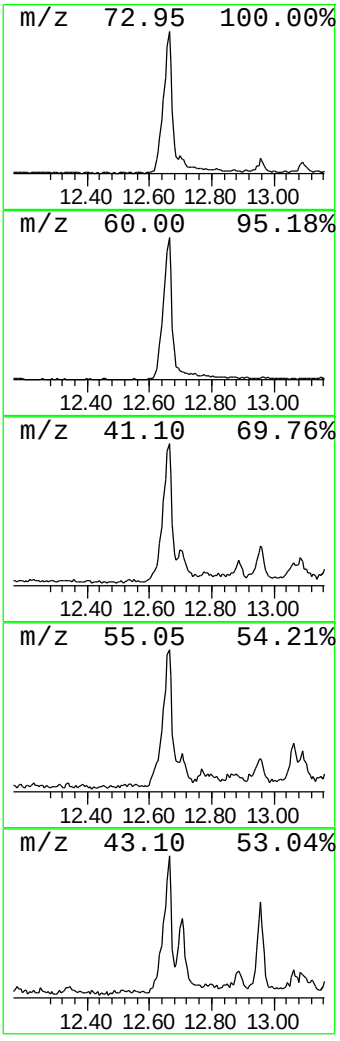
Peak Number 2 n-Decanoic acid Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.66	12.34 ng/ul	1413420	Acenaphthene-d10	14.35

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	n-Decanoic acid	172	C10H20O2	000334-48-5	97
2	n-Decanoic acid	172	C10H20O2	000334-48-5	91
3	n-Decanoic acid	172	C10H20O2	000334-48-5	80
4	n-Decanoic acid	172	C10H20O2	000334-48-5	72
5	n-Decanoic acid	172	C10H20O2	000334-48-5	72





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Quant Title : SVOA CALIBRATION

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

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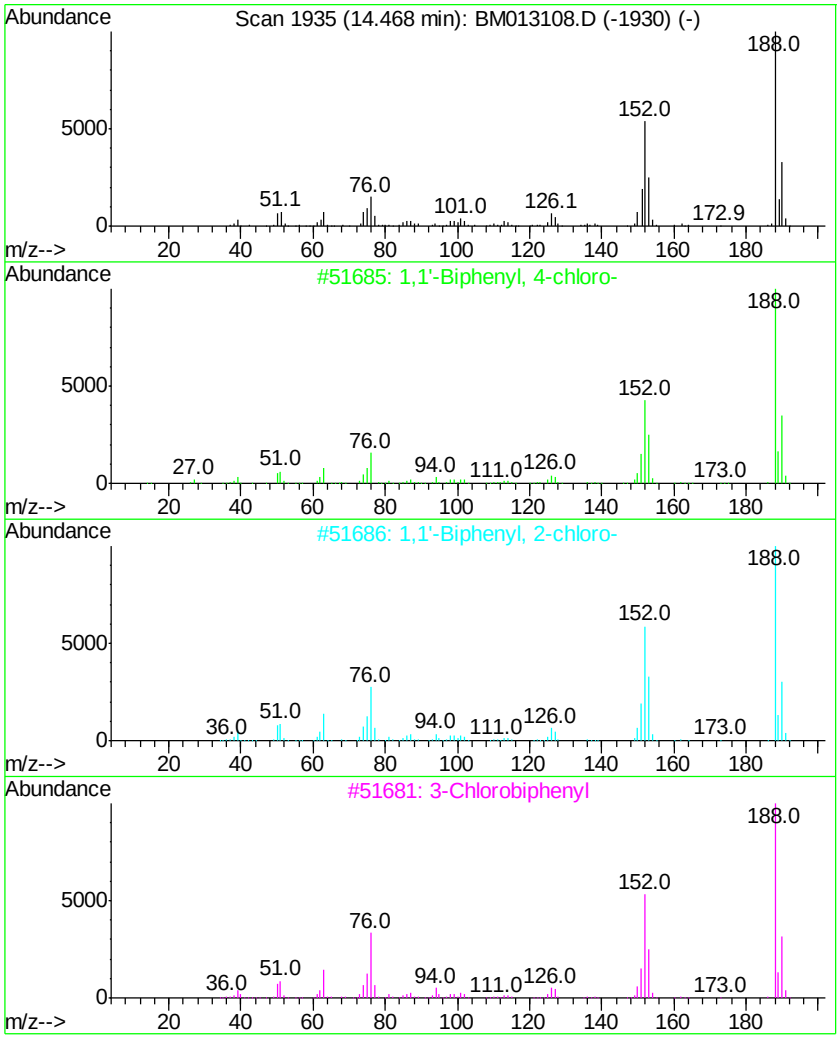
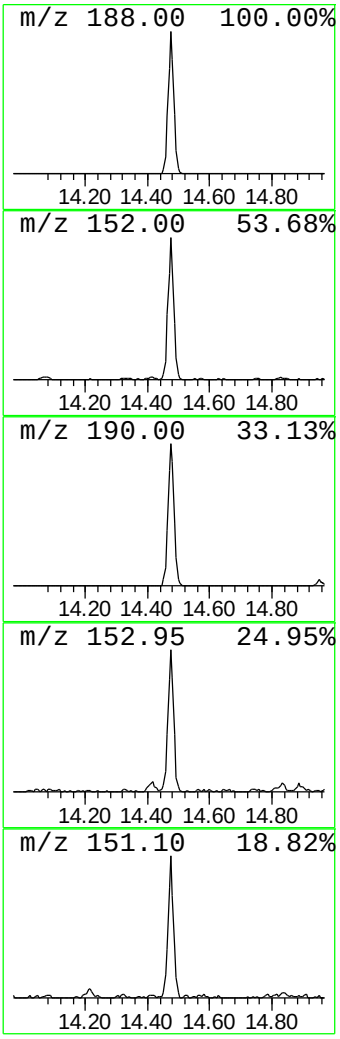
Peak Number 3 1,1'-Biphenyl, 4-chloro- Concentration Rank 26

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.47	8.16 ng/ul	934674	Acenaphthene-d10	14.35

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,1'-Biphenyl, 4-chloro-	188	C12H9Cl	002051-62-9	96
2	1,1'-Biphenyl, 2-chloro-	188	C12H9Cl	002051-60-7	96
3	3-Chlorobiphenyl	188	C12H9Cl	002051-61-8	94
4	1,1'-Biphenyl, 4-chloro-	188	C12H9Cl	002051-62-9	94
5	3-Chlorobiphenyl	188	C12H9Cl	002051-61-8	94





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Instrument : BNA_M
ClientSampleId : A41R2

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM111617.M
Quant Title : SVOA CALIBRATION

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

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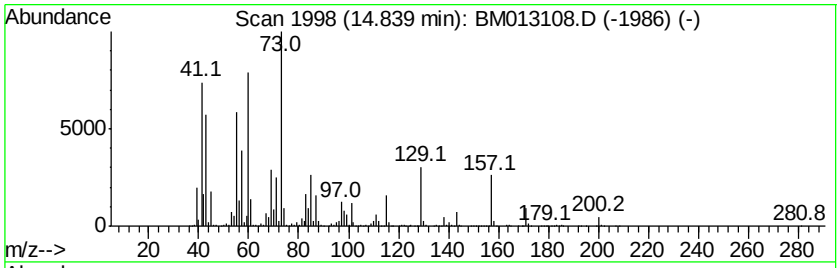
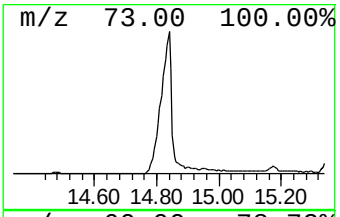
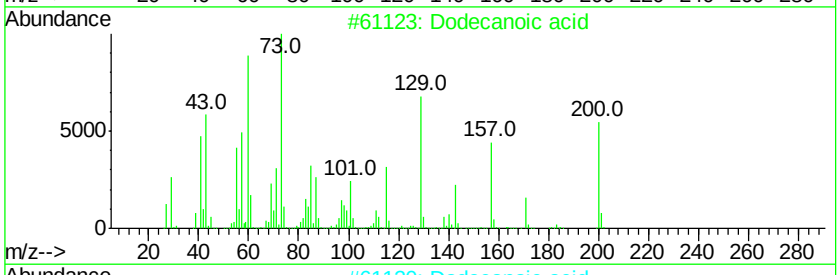
Peak Number 4 Dodecanoic acid Concentration Rank 2

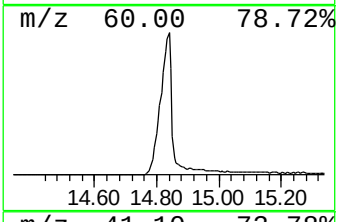
R.T.	EstConc	Area	Relative to ISTD	R.T.
14.84	85.97 ng/ul	9848410	Acenaphthene-d10	14.35

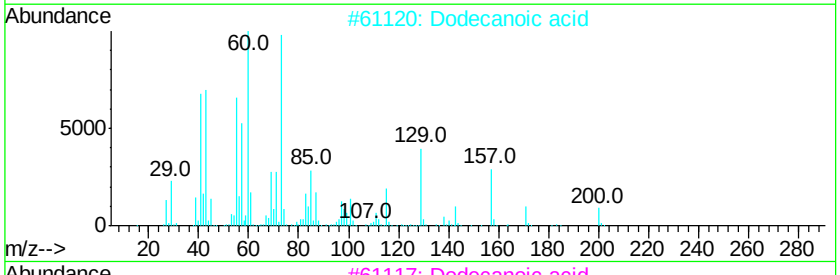
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dodecanoic acid	200	C12H24O2	000143-07-7	94
2	Dodecanoic acid	200	C12H24O2	000143-07-7	94
3	Dodecanoic acid	200	C12H24O2	000143-07-7	91
4	Dodecanoic acid	200	C12H24O2	000143-07-7	91
5	Undecanoic acid	186	C11H22O2	000112-37-8	72

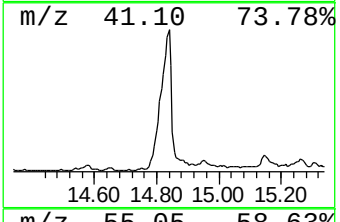


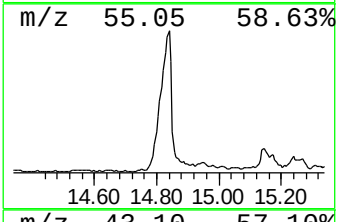


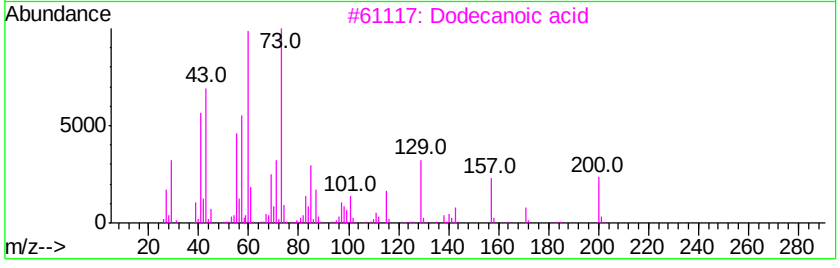


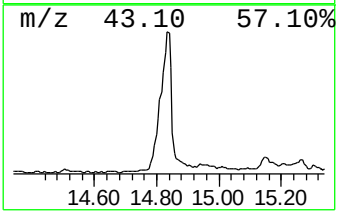












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Operator : SJ/JU
Sample : I6549-11
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : A41R2

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM111617.M
Quant Title : SVOA CALIBRATION

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

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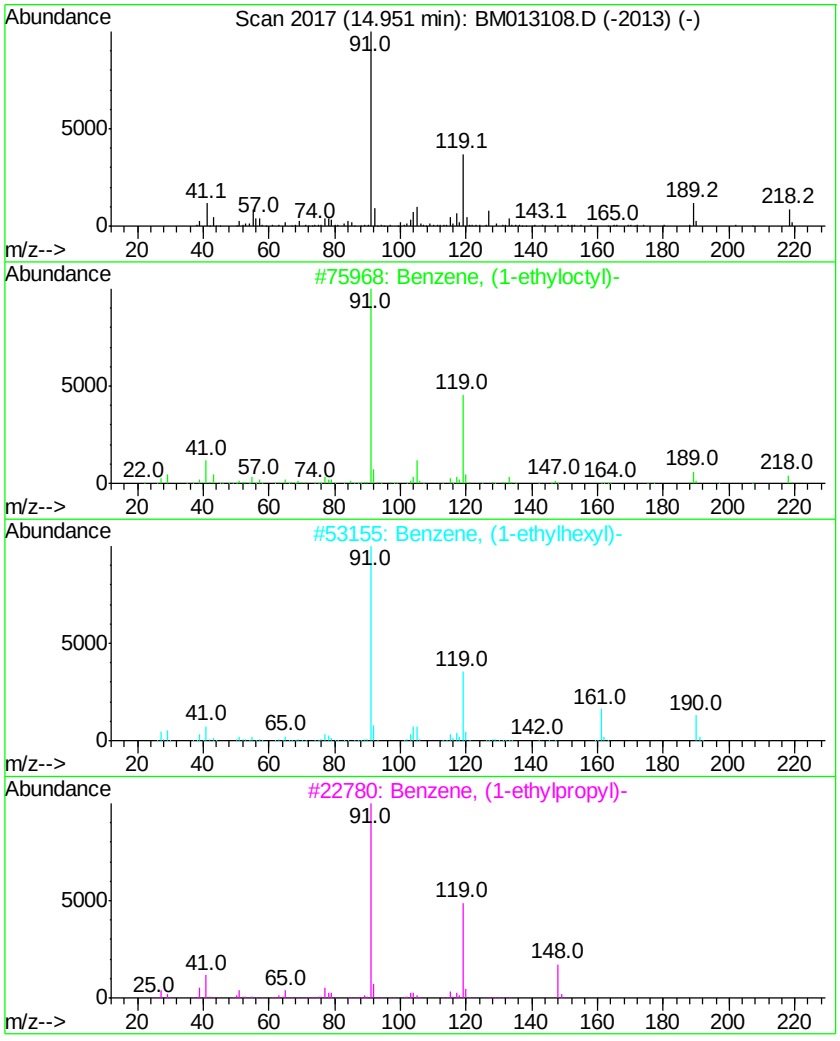
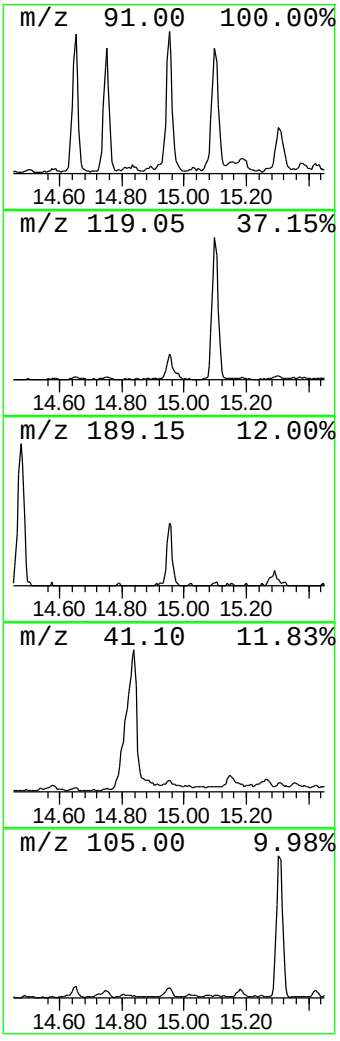
Peak Number 5 Benzene, (1-ethyloctyl)- Concentration Rank 57

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.95	4.83 ng/ul	552765	Acenaphthene-d10	14.35

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, (1-ethyloctyl)-	218	C16H26	004621-36-7	90
2	Benzene, (1-ethylhexyl)-	190	C14H22	018335-15-4	53
3	Benzene, (1-ethylpropyl)-	148	C11H16	001196-58-3	47
4	Aziridine, 1-phenyl-	119	C8H9N	000696-18-4	47
5	Benzene, (2-bromopropyl)-	198	C9H11Br	002114-39-8	47





Library Search Compound Report

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Sample : I6549-11
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ALS Vial : 5 Sample Multiplier: 1

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ClientSampleId : A41R2

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Quant Title : SVOA CALIBRATION

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

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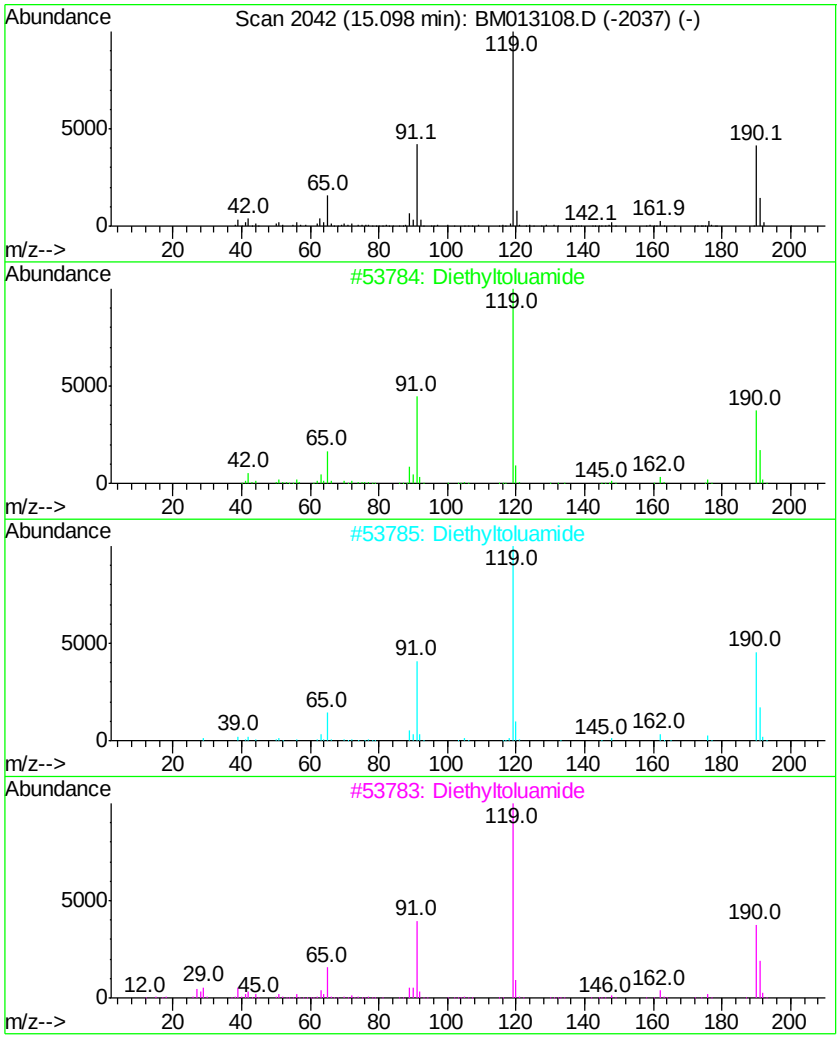
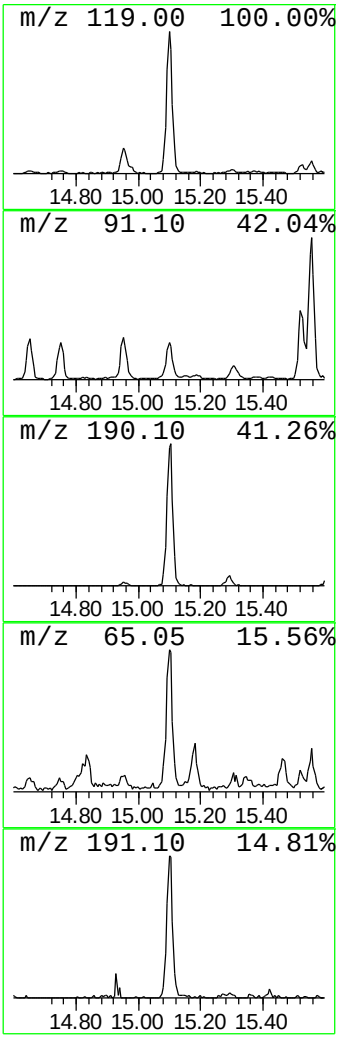
Peak Number 6 Diethyltoluamide Concentration Rank 48

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.10	6.00 ng/ul	686828	Acenaphthene-d10	14.35

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Diethyltoluamide	191	C12H17NO	000134-62-3	95
2	Diethyltoluamide	191	C12H17NO	000134-62-3	95
3	Diethyltoluamide	191	C12H17NO	000134-62-3	94
4	Benzamide, N,N-diethyl-4-methyl-	191	C12H17NO	002728-05-4	87
5	L-Valine, N-(4-methylbenzoyl)-, ...	319	C19H29NO3	1000346-64-2	78





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ClientSampleId : A41R2

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Quant Title : SVOA CALIBRATION

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

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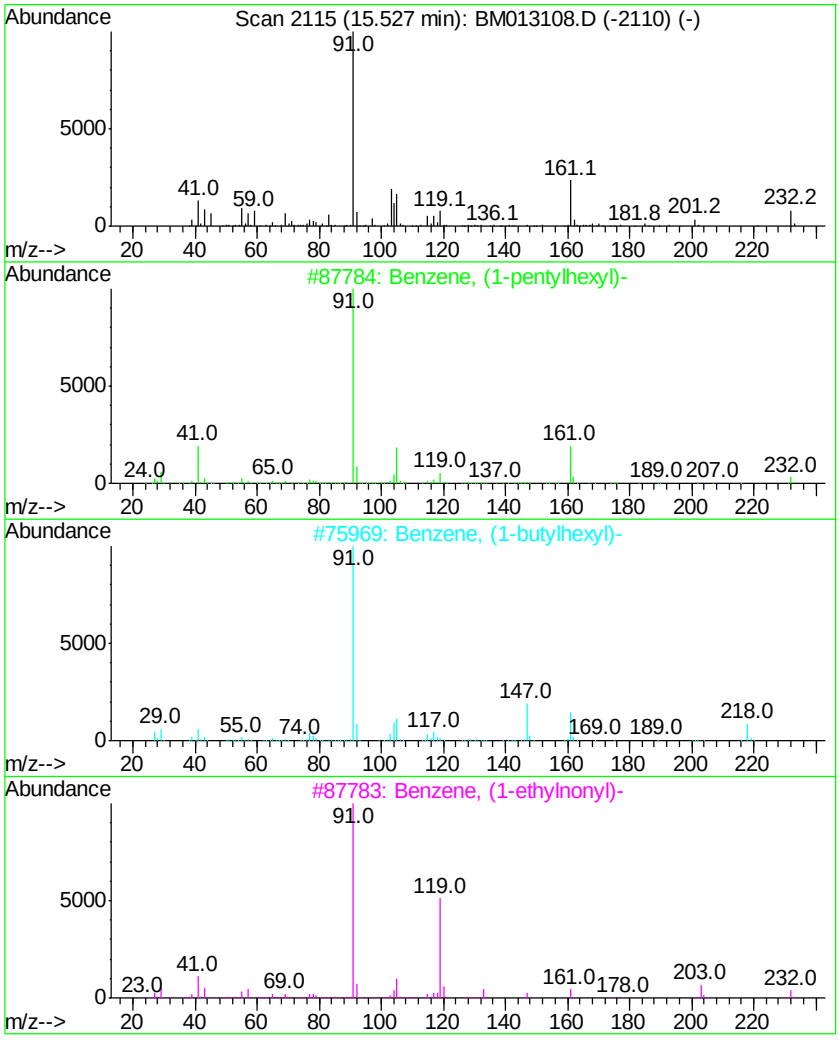
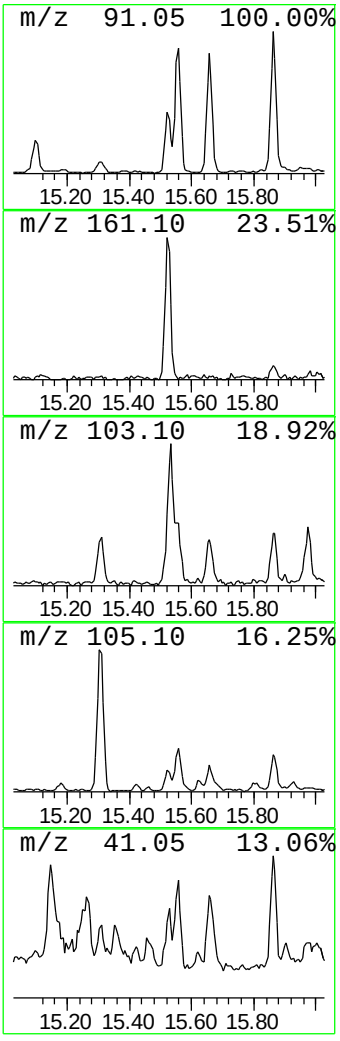
Peak Number 7 unknown-01 Concentration Rank 51

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.53	5.39 ng/ul	617091	Acenaphthene-d10	14.35

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, (1-pentylhexyl)-	232	C17H28	004537-14-8	46
2	Benzene, (1-butylhexyl)-	218	C16H26	004537-11-5	37
3	Benzene, (1-ethylnonyl)-	232	C17H28	004536-87-2	32
4	Benzene, (1-pentylheptyl)-	246	C18H30	002719-62-2	25
5	Benzene, (1-ethylbutyl)-	162	C12H18	004468-42-2	17





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ALS Vial : 5 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : A41R2

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Quant Title : SVOA CALIBRATION

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

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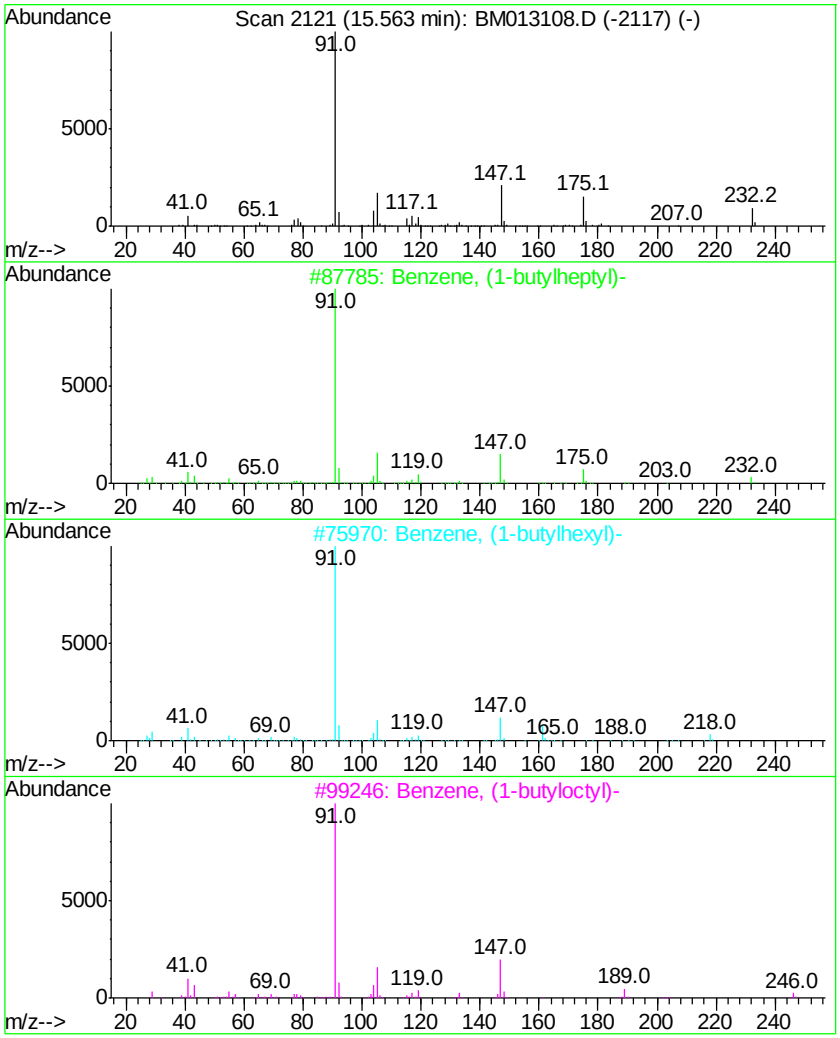
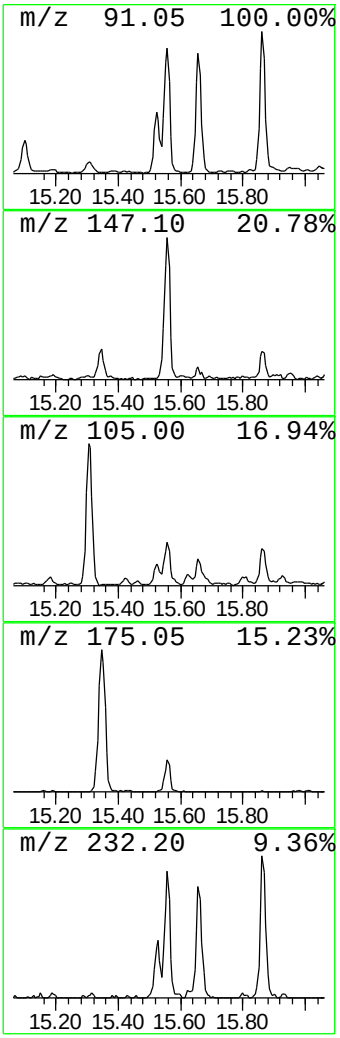
Peak Number 8 Benzene, (1-butylheptyl)- Concentration Rank 28

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.56	7.87 ng/ul	900954	Acenaphthene-d10	14.35

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, (1-butylheptyl)-	232	C17H28	004537-15-9	91
2	Benzene, (1-butylhexyl)-	218	C16H26	004537-11-5	59
3	Benzene, (1-butyloctyl)-	246	C18H30	002719-63-3	59
4	Benzene, (1-butyloctyl)-	246	C18H30	002719-63-3	59
5	Benzene, (1,1-diethylpropyl)-	176	C13H20	004170-84-7	49





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Quant Title : SVOA CALIBRATION

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

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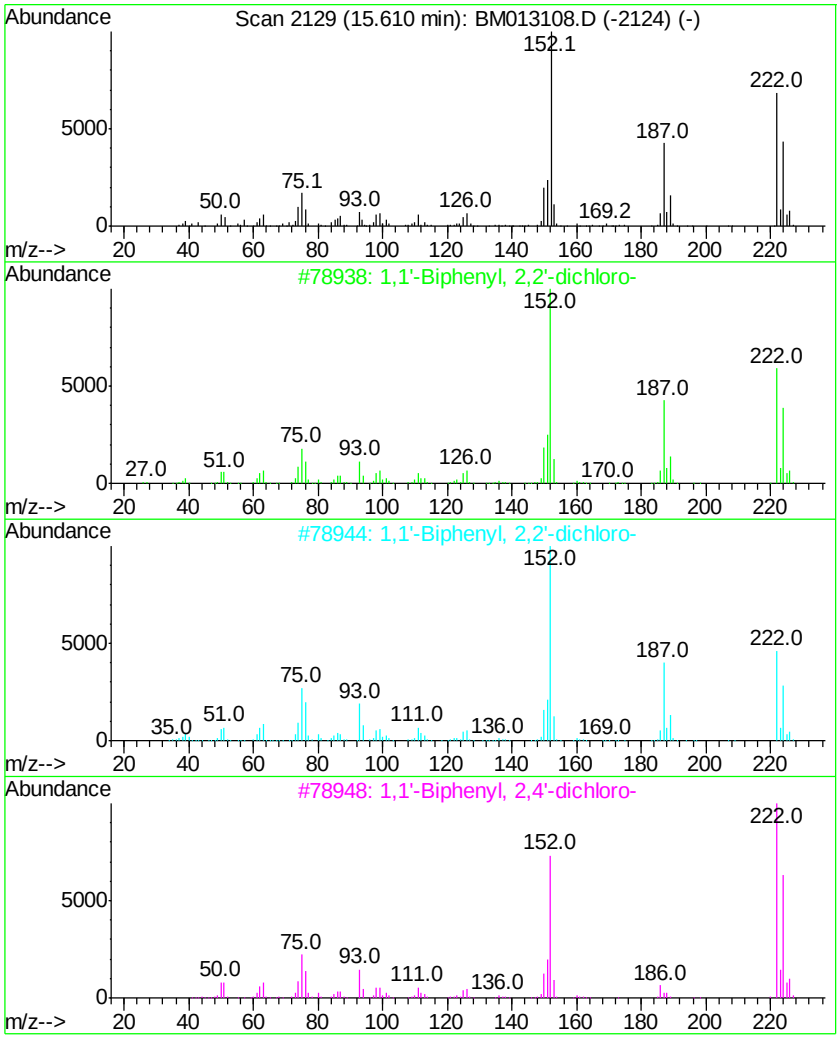
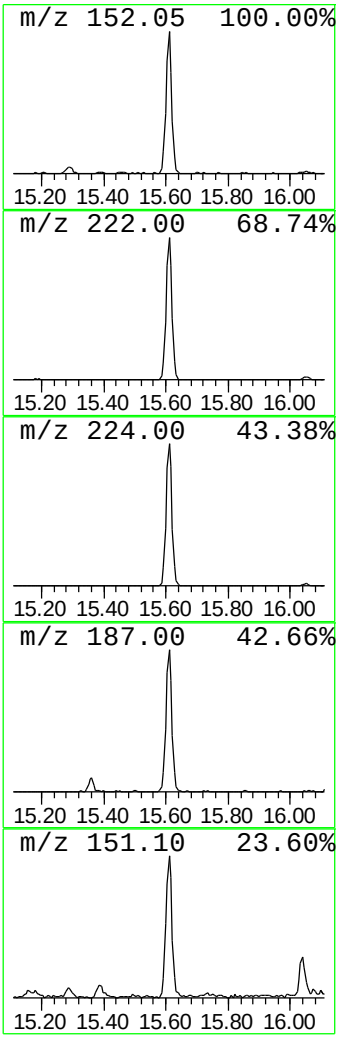
Peak Number 9 1,1'-Biphenyl, 2,2'-dichloro- Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.61	11.27 ng/ul	1291420	Acenaphthene-d10	14.35

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,1'-Biphenyl, 2,2'-dichloro-	222	C12H8Cl2	013029-08-8	99
2	1,1'-Biphenyl, 2,2'-dichloro-	222	C12H8Cl2	013029-08-8	98
3	1,1'-Biphenyl, 2,4'-dichloro-	222	C12H8Cl2	034883-43-7	98
4	1,1'-Biphenyl 2,3'-dichloro-	222	C12H8Cl2	025569-80-6	97
5	1,1'-Biphenyl, 2,2'-dichloro-	222	C12H8Cl2	013029-08-8	97





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Quant Title : SVOA CALIBRATION

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

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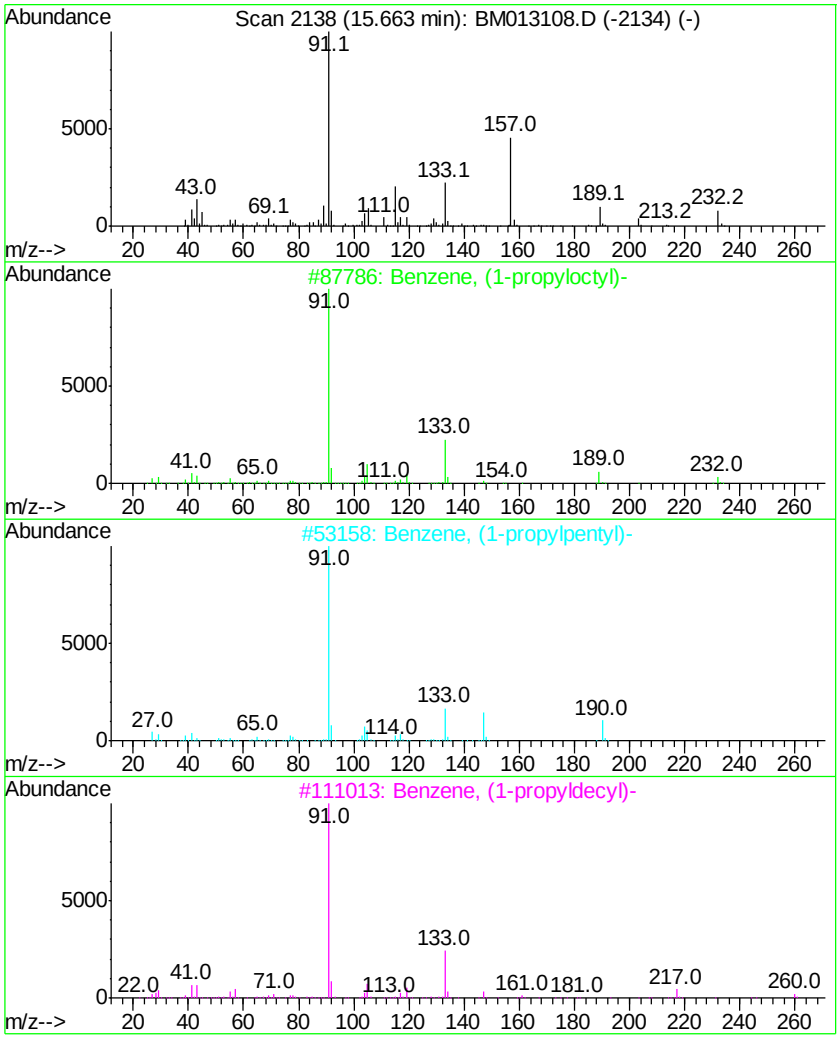
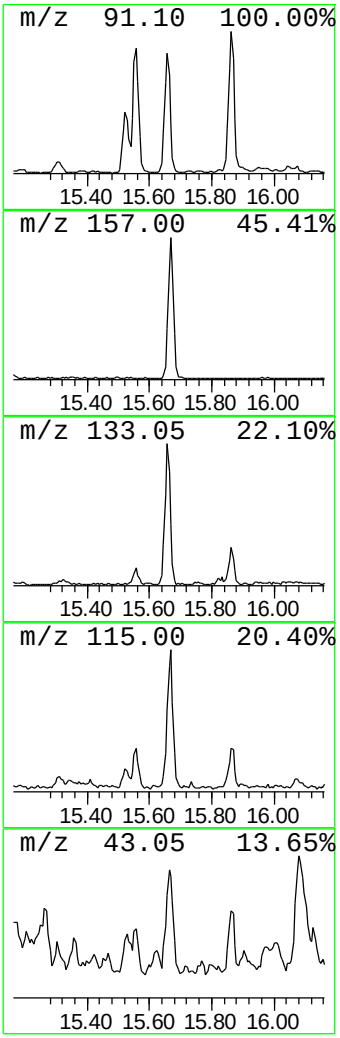
Peak Number 10 unknown-02 Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.66	11.98 ng/ul	1372560	Acenaphthene-d10	14.35

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, (1-propyloctyl)-	232	C17H28	004536-86-1	42
2	Benzene, (1-propylpentyl)-	190	C14H22	018335-17-6	14
3	Benzene, (1-propyldecyl)-	260	C19H32	004534-51-4	14
4	Benzene, (1-propylnonyl)-	246	C18H30	002719-64-4	12
5	Benzene, (1-propylheptadecyl)-	358	C26H46	002400-03-5	10





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Sample : I6549-11
Misc :
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Instrument : BNA_M
ClientSampleId : A41R2

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Quant Title : SVOA CALIBRATION

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

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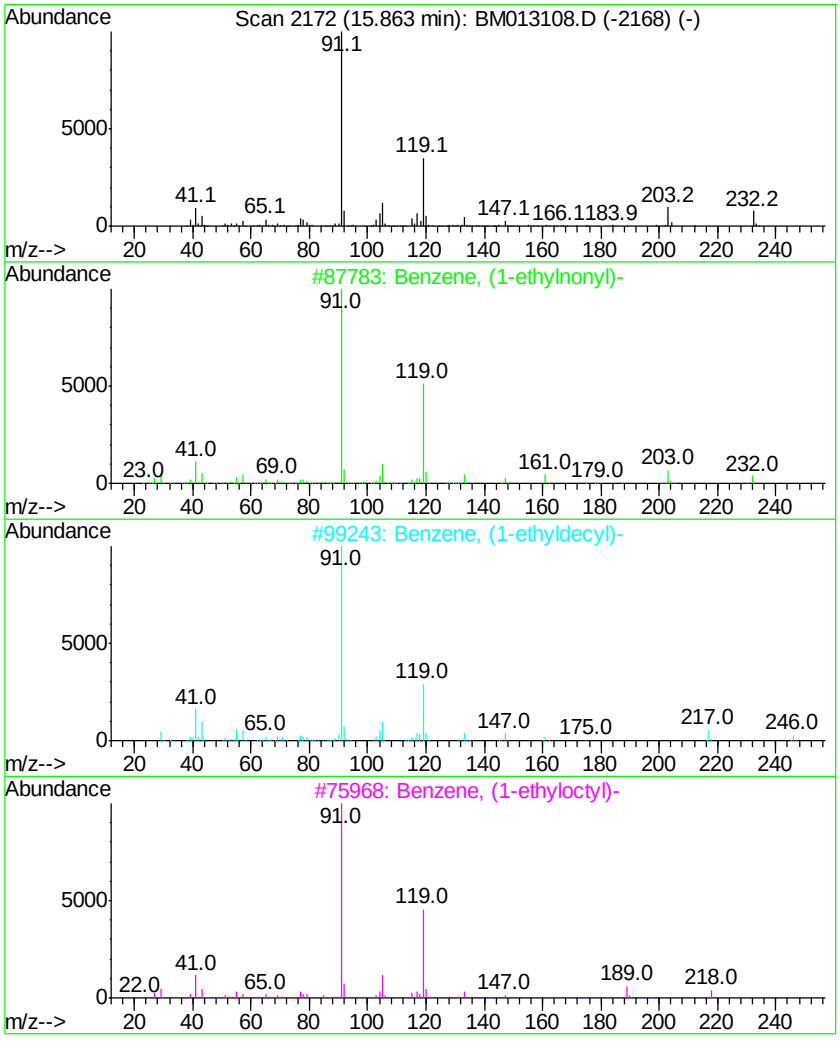
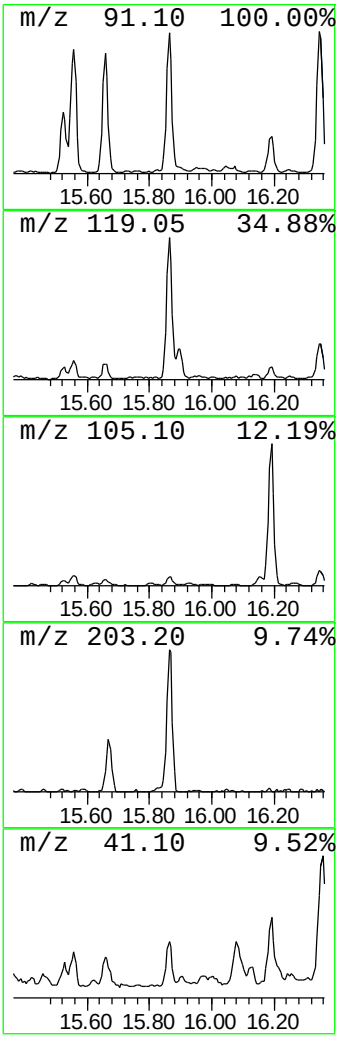
Peak Number 11 Benzene, (1-ethylnonyl)- Concentration Rank 49

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.86	5.65 ng/ul	1106640	Phenanthrene-d10	17.10

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, (1-ethylnonyl)-	232	C17H28	004536-87-2	91
2	Benzene, (1-ethyldecyl)-	246	C18H30	002400-00-2	64
3	Benzene, (1-ethyloctyl)-	218	C16H26	004621-36-7	59
4	Hexane, 3,4-diphenyl-	238	C18H22	005789-31-1	47
5	Aziridine, 1-phenyl-	119	C8H9N	000696-18-4	47





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Instrument : BNA_M
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Quant Title : SVOA CALIBRATION

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

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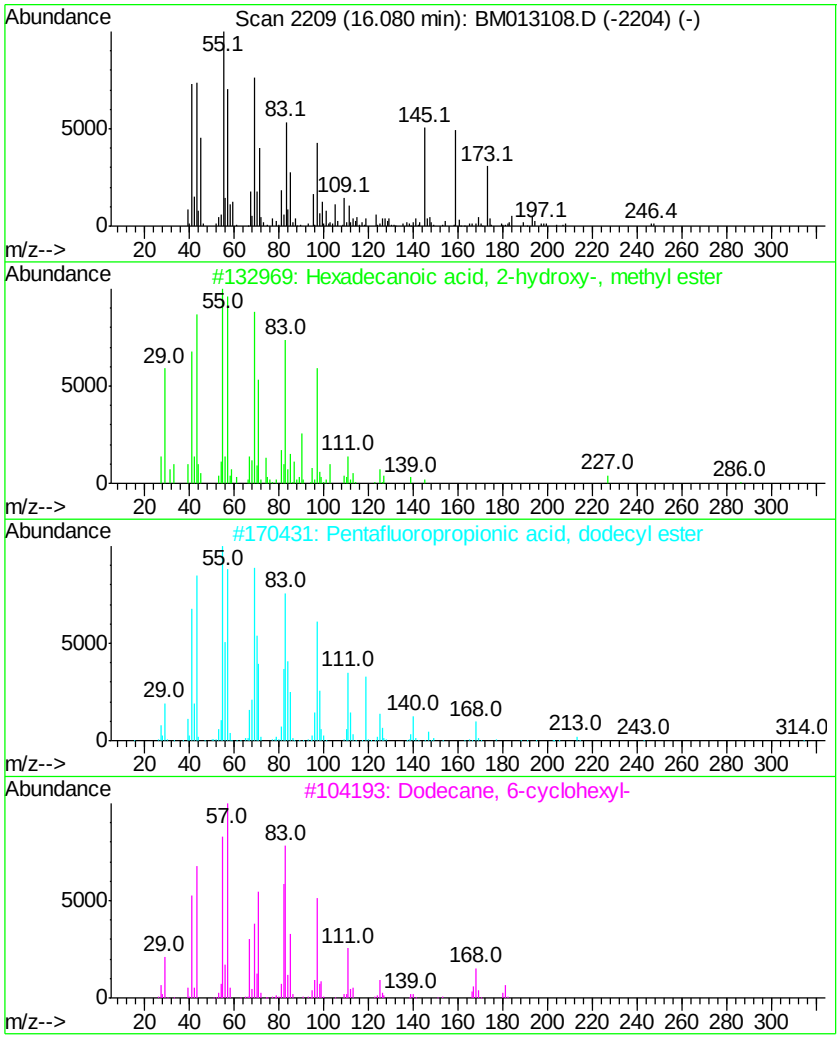
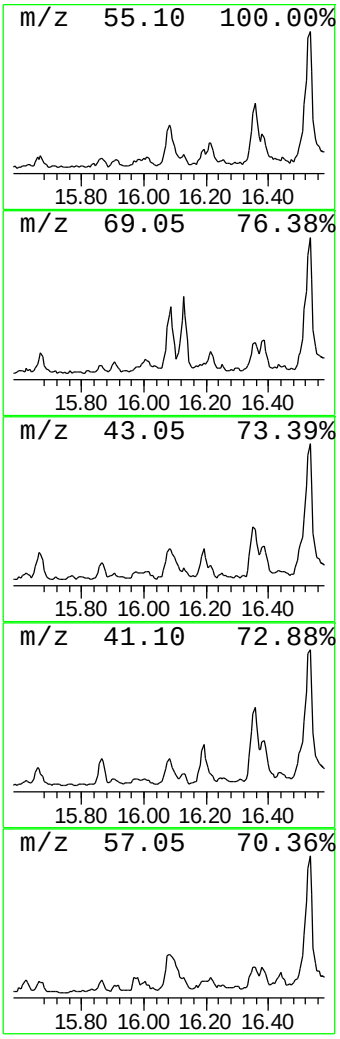
Peak Number 12 unknown-03 Concentration Rank 66

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.08	4.16 ng/ul	814088	Phenanthrene-d10	17.10

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexadecanoic acid, 2-hydroxy-, m...	286	C17H34O3	016742-51-1	46
2	Pentafluoropropionic acid, dodec...	332	C15H25F5O2	006222-04-4	43
3	Dodecane, 6-cyclohexyl-	252	C18H36	013151-86-5	22
4	Cyclopentane, (4-octyldodecyl)-	350	C25H50	005638-09-5	22
5	Hexatriacontyl pentafluoropropio...	669	C39H73F5O2	1000351-89-0	18





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Quant Title : SVOA CALIBRATION

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

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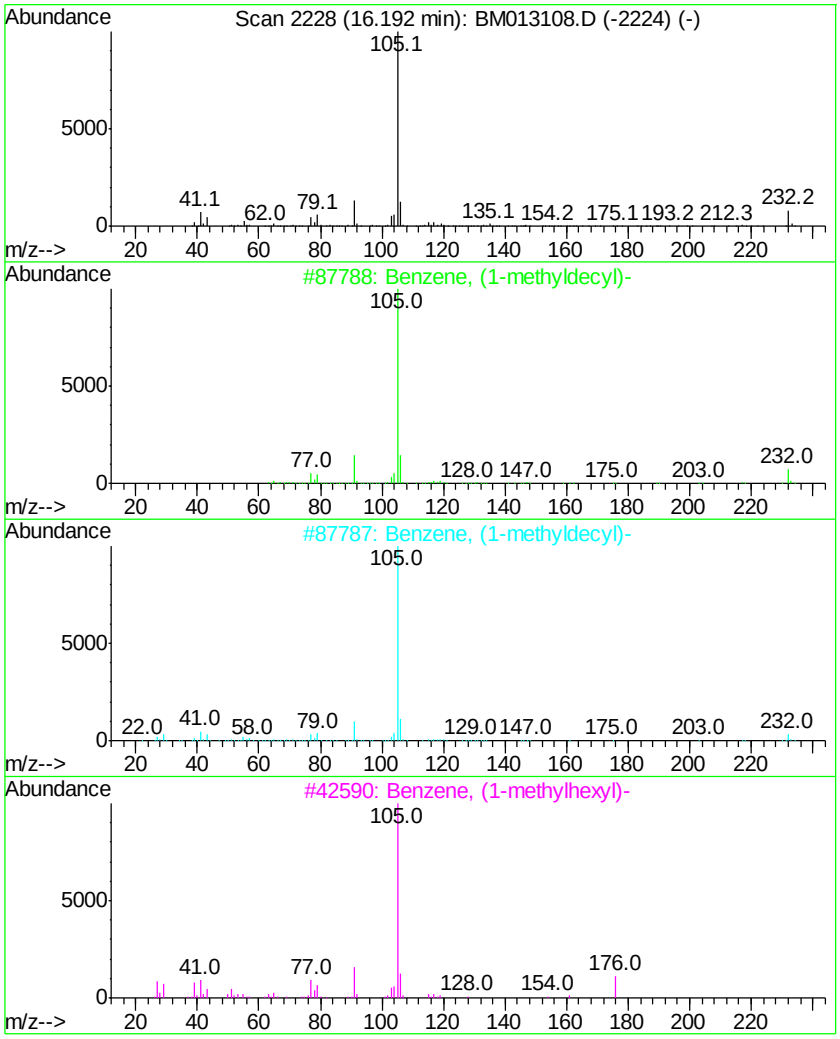
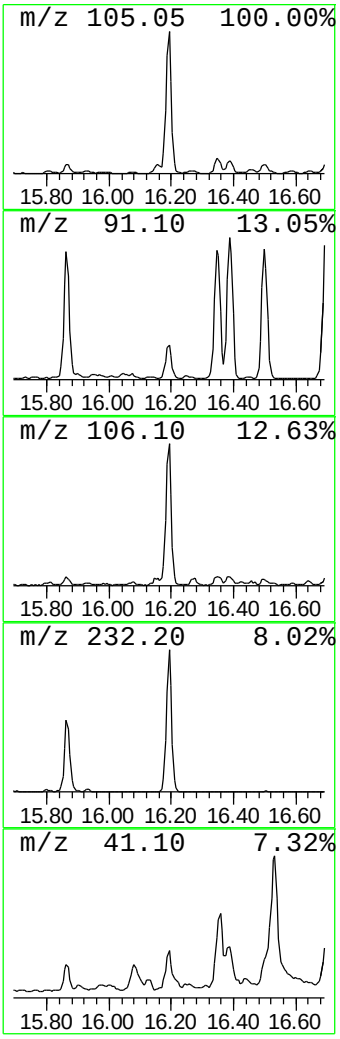
Peak Number 13 Benzene, (1-methyldecyl)- Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.19	9.31 ng/ul	1822190	Phenanthrene-d10	17.10

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, (1-methyldecyl)-	232	C17H28	004536-88-3	97
2	Benzene, (1-methyldecyl)-	232	C17H28	004536-88-3	87
3	Benzene, (1-methylhexyl)-	176	C13H20	002132-84-5	83
4	Benzene, (1-methylnonyl)-	218	C16H26	004537-13-7	64
5	Benzene, (1-methylheptyl)-	190	C14H22	000777-22-0	59





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Quant Title : SVOA CALIBRATION

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

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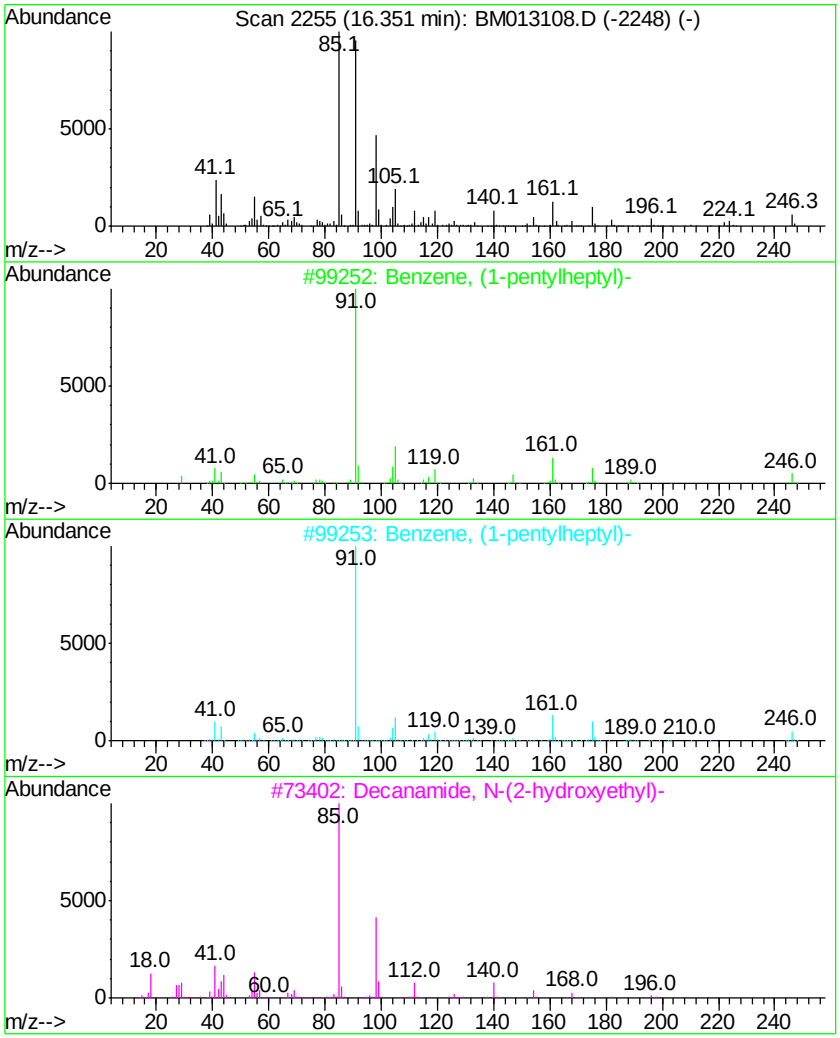
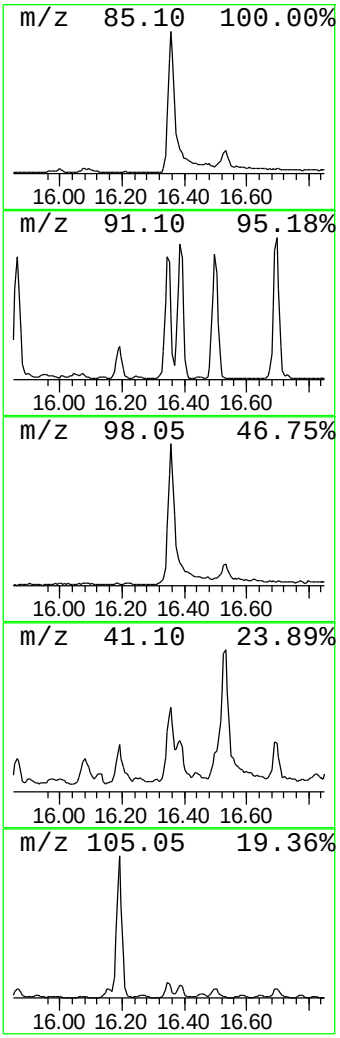
Peak Number 14 Benzene, (1-pentylheptyl)- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.35	18.30 ng/ul	3583770	Phenanthrene-d10	17.10

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, (1-pentylheptyl)-	246	C18H30	002719-62-2	74
2	Benzene, (1-pentylheptyl)-	246	C18H30	002719-62-2	60
3	Decanamide, N-(2-hydroxyethyl)-	215	C12H25NO2	007726-08-1	49
4	Benzene, (1-pentylheptyl)-	246	C18H30	002719-62-2	38
5	2(3H)-Furanone, dihydro-5-(2-oct...	196	C12H20O2	018679-18-0	30





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

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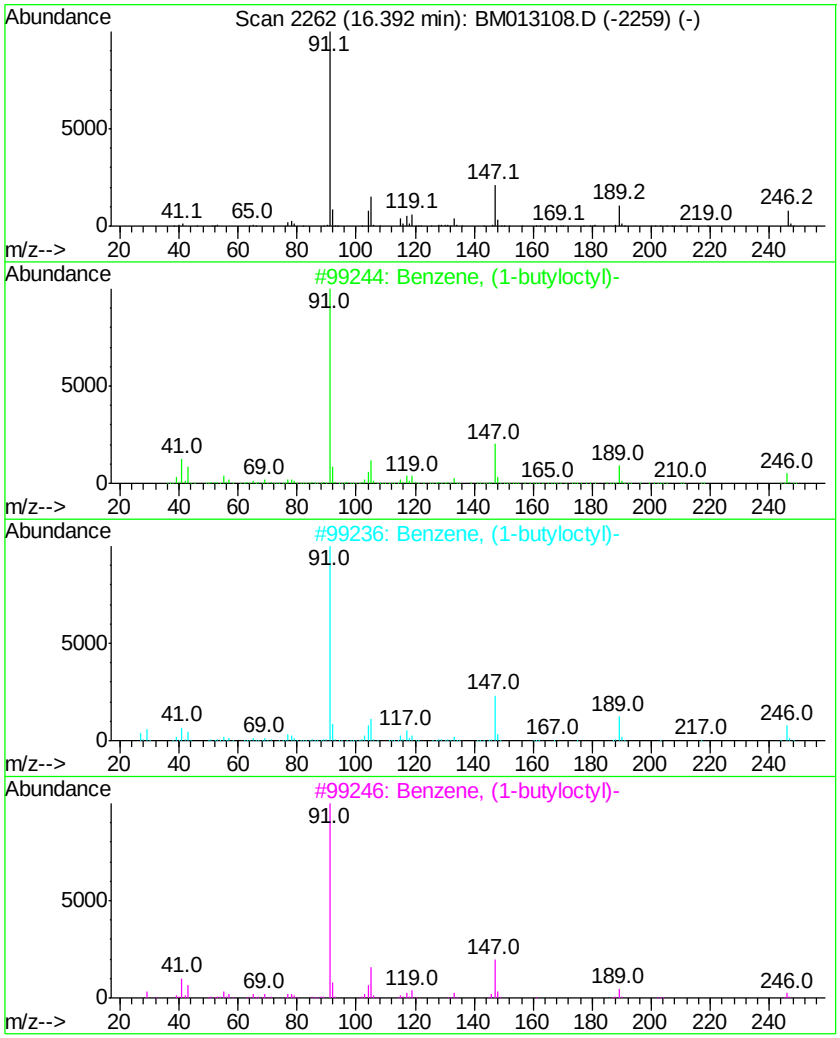
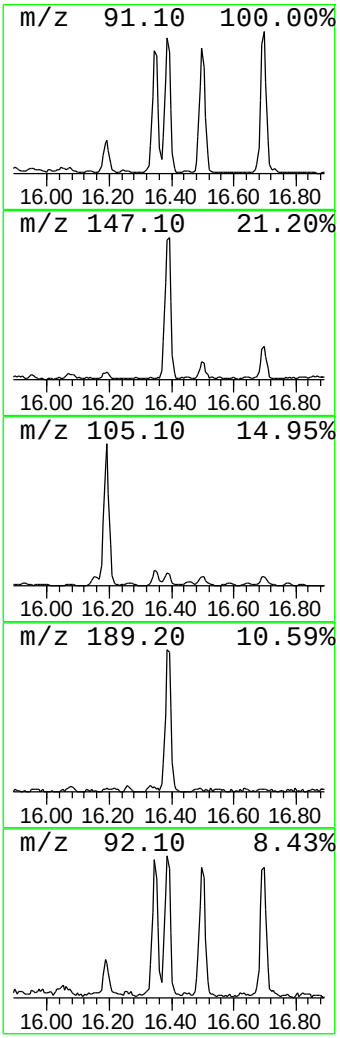
Peak Number 15 Benzene, (1-butyloctyl)- Concentration Rank 34

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.39	7.29 ng/ul	1427890	Phenanthrene-d10	17.10

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, (1-butyloctyl)-	246	C18H30	002719-63-3	97
2	Benzene, (1-butyloctyl)-	246	C18H30	002719-63-3	93
3	Benzene, (1-butyloctyl)-	246	C18H30	002719-63-3	91
4	Benzene, (1-butyloctyl)-	246	C18H30	002719-63-3	90
5	Benzene, (1-butylnonyl)-	260	C19H32	004534-50-3	53





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Operator : SJ/JU
Sample : I6549-11
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : A41R2

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM111617.M
Quant Title : SVOA CALIBRATION

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

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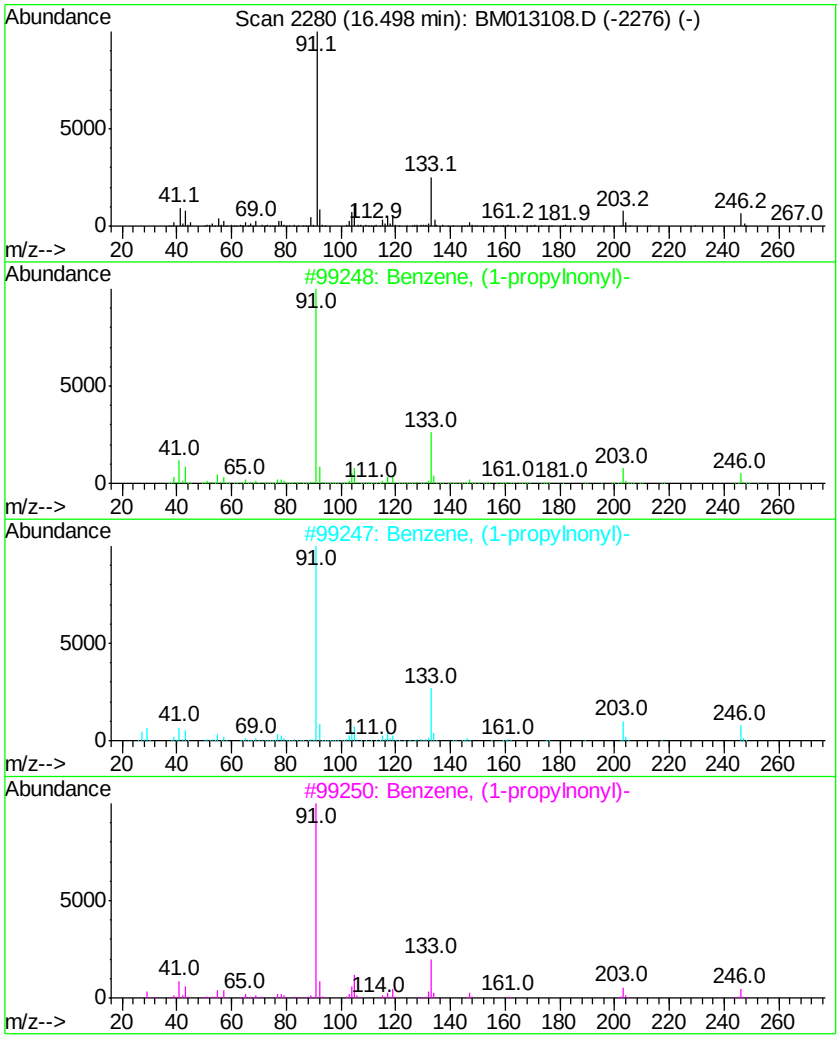
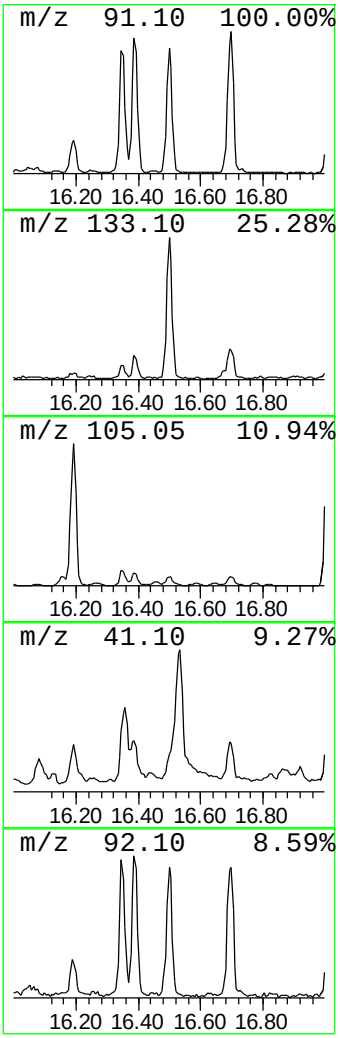
Peak Number 16 Benzene, (1-propylnonyl)- Concentration Rank 41

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.50	6.25 ng/ul	1224420	Phenanthrene-d10	17.10

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, (1-propylnonyl)-	246	C18H30	002719-64-4	96
2	Benzene, (1-propylnonyl)-	246	C18H30	002719-64-4	95
3	Benzene, (1-propylnonyl)-	246	C18H30	002719-64-4	95
4	Benzene, (1-propylnonyl)-	246	C18H30	002719-64-4	91
5	Benzene, (1-propyldecyl)-	260	C19H32	004534-51-4	53





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Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : A41R2

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Quant Title : SVOA CALIBRATION

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

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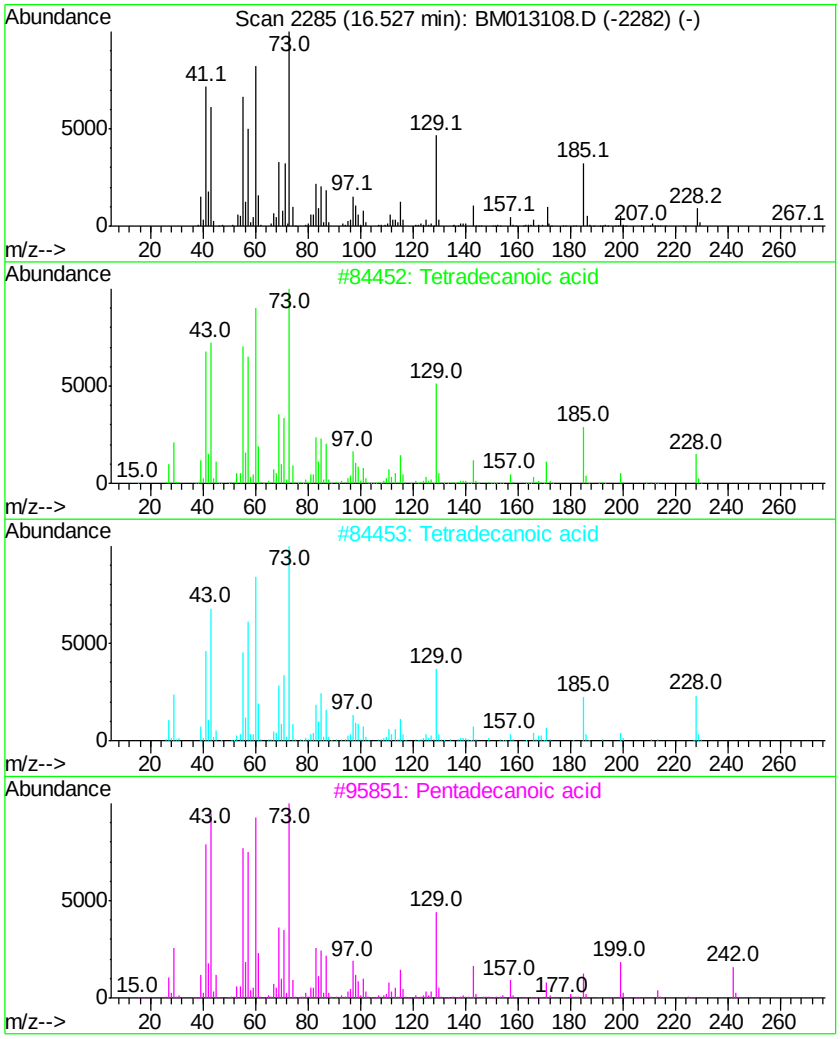
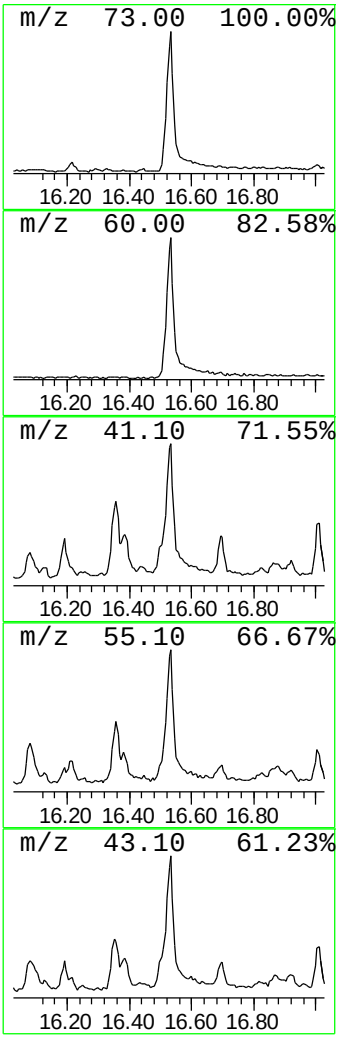
Peak Number 17 Tetradecanoic acid Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.53	17.07 ng/ul	3341890	Phenanthrene-d10	17.10

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Tetradecanoic acid	228	C14H28O2	000544-63-8	95
2	Tetradecanoic acid	228	C14H28O2	000544-63-8	74
3	Pentadecanoic acid	242	C15H30O2	001002-84-2	64
4	n-Decanoic acid	172	C10H20O2	000334-48-5	64
5	n-Decanoic acid	172	C10H20O2	000334-48-5	64





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Instrument : BNA_M
ClientSampleId : A41R2

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Quant Title : SVOA CALIBRATION

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

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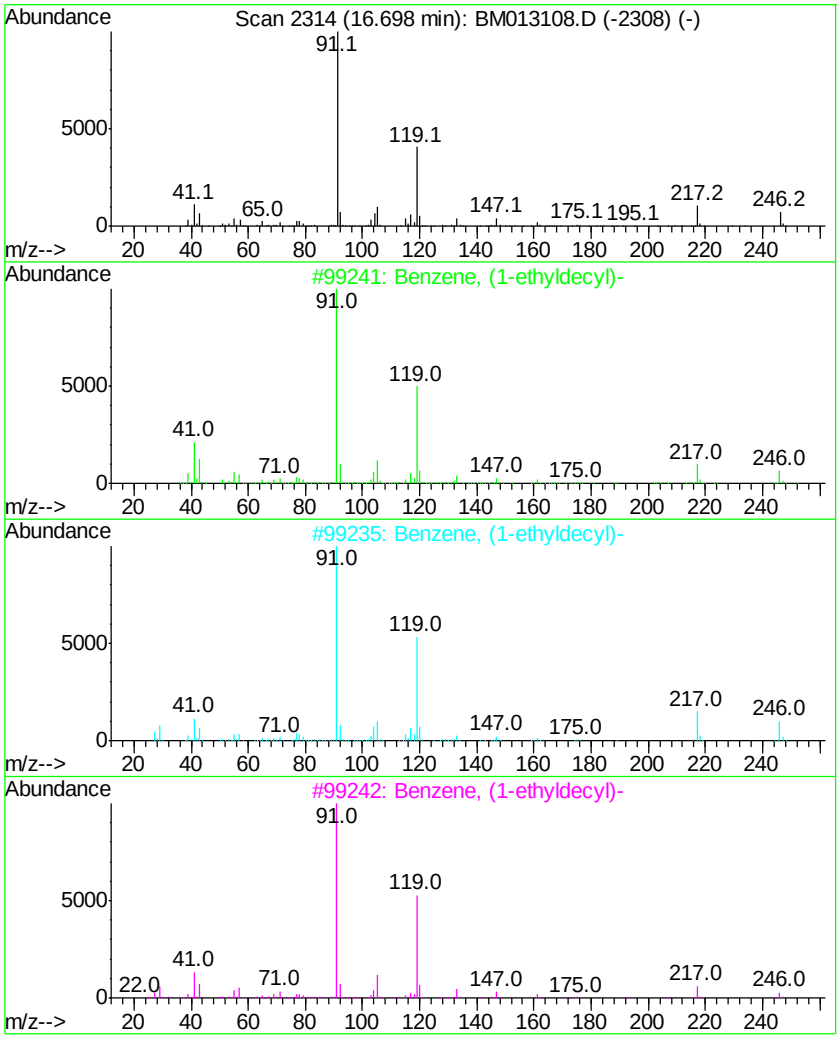
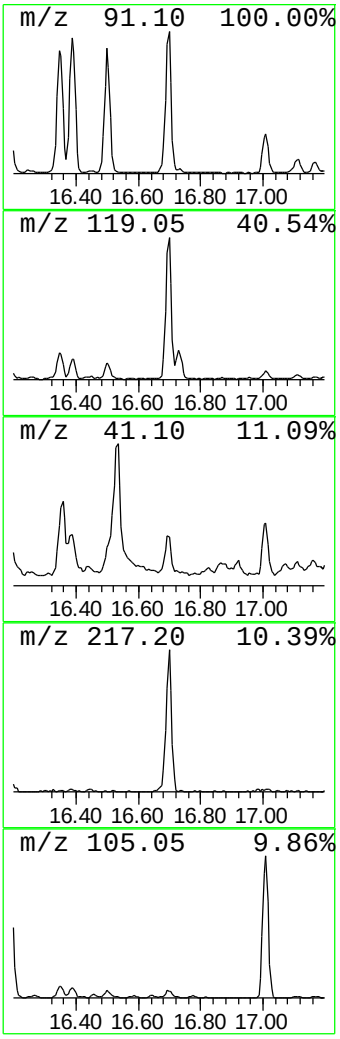
Peak Number 18 Benzene, (1-ethyldecyl)- Concentration Rank 35

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.70	7.23 ng/ul	1414880	Phenanthrene-d10	17.10

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, (1-ethyldecyl)-	246	C18H30	002400-00-2	96
2	Benzene, (1-ethyldecyl)-	246	C18H30	002400-00-2	94
3	Benzene, (1-ethyldecyl)-	246	C18H30	002400-00-2	91
4	2-phenylbutyric acid, 2,2,2-trif...	246	C12H13F3O2	1000376-55-3	60
5	Benzene, (1-ethyloctyl)-	218	C16H26	004621-36-7	59





Library Search Compound Report

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ALS Vial : 5 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : A41R2

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Quant Title : SVOA CALIBRATION

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

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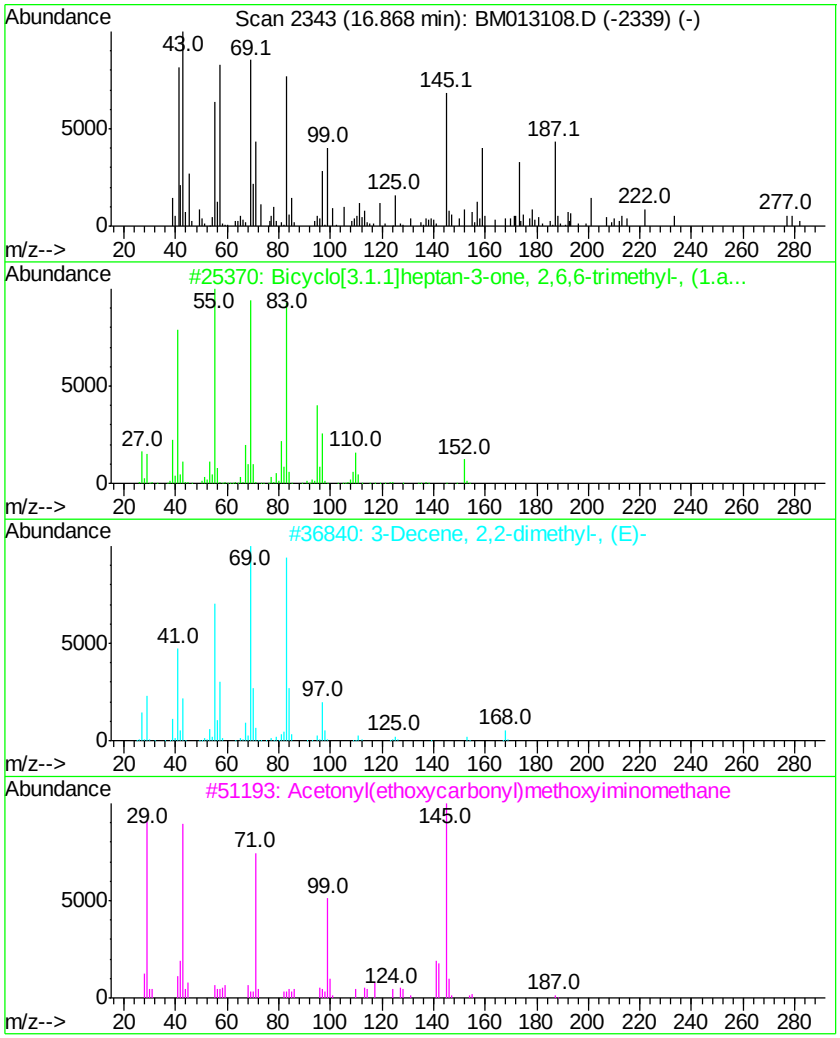
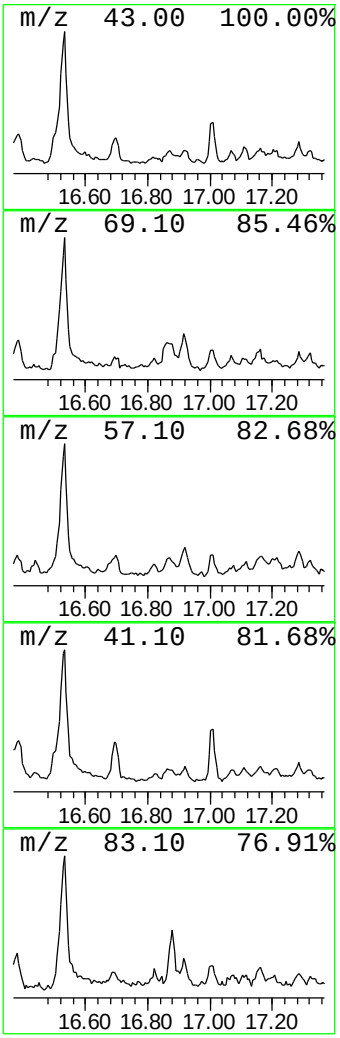
Peak Number 19 unknown-04 Concentration Rank 72

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.87	2.86 ng/ul	560458	Phenanthrene-d10	17.10

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Bicyclo[3.1.1]heptan-3-one, 2,6,...	152	C10H16O	000547-60-4	27
2	3-Decene, 2,2-dimethyl-, (E)-	168	C12H24	055499-02-0	27
3	Acetonyl(ethoxycarbonyl)methoxyi...	187	C8H13NO4	082874-96-2	14
4	Disulfide, di-tert-dodecyl	402	C24H50S2	027458-90-8	12
5	1,2,5-Triazole, 1-octyl-3-nitro-...	285	C11H19N5O4	339589-41-2	10





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Quant Title : SVOA CALIBRATION

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

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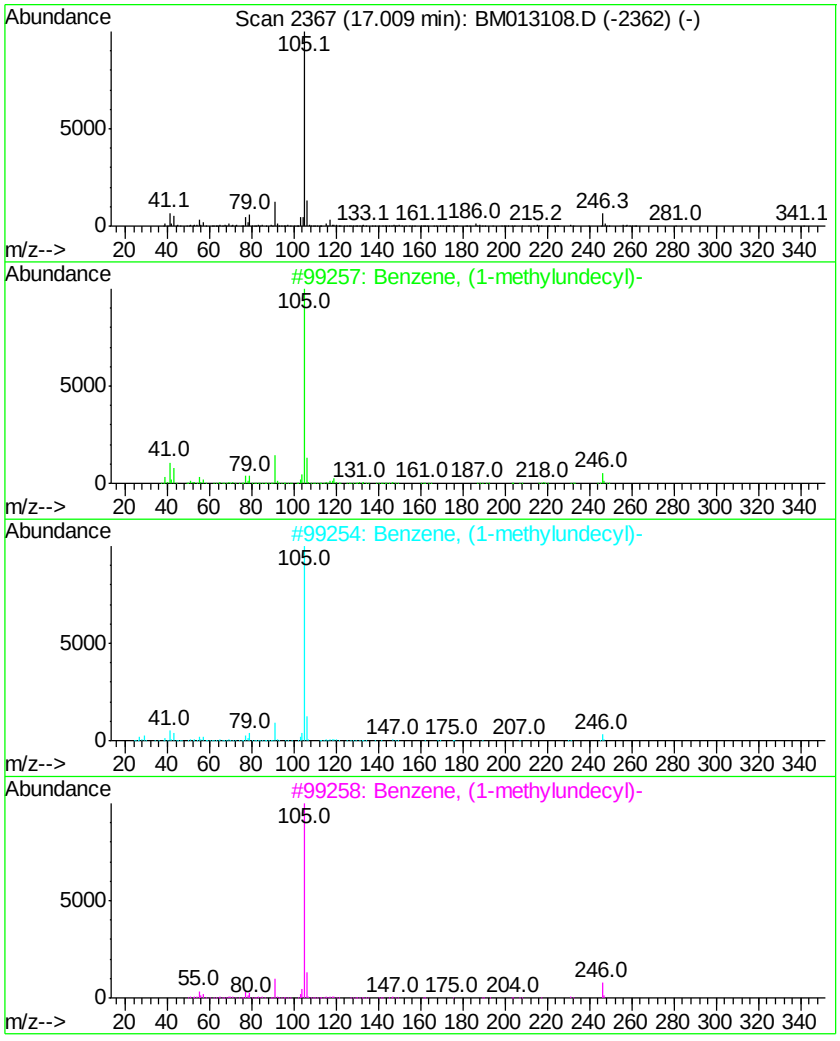
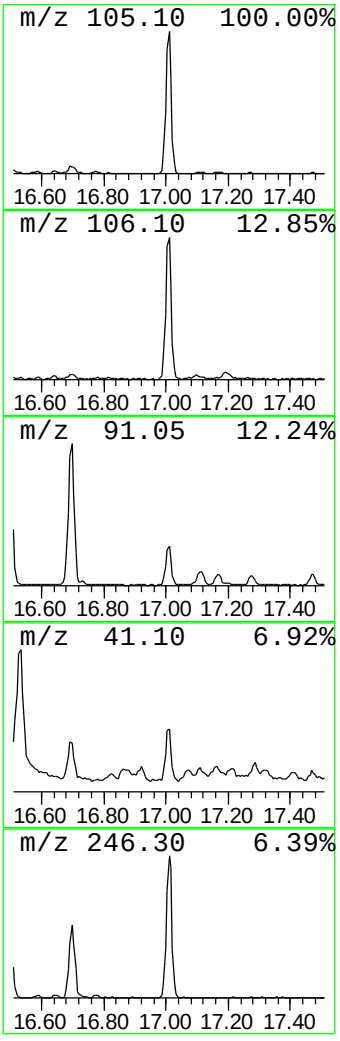
Peak Number 20 Benzene, (1-methylundecyl)- Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.01	11.87 ng/ul	2324640	Phenanthrene-d10	17.10

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, (1-methylundecyl)-	246	C18H30	002719-61-1	93
2	Benzene, (1-methylundecyl)-	246	C18H30	002719-61-1	93
3	Benzene, (1-methylundecyl)-	246	C18H30	002719-61-1	81
4	Benzene, (1-methyldecyl)-	232	C17H28	004536-88-3	76
5	Benzene, (1-methylundecyl)-	246	C18H30	002719-61-1	60





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Instrument : BNA_M
ClientSampleId : A41R2

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Quant Title : SVOA CALIBRATION

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

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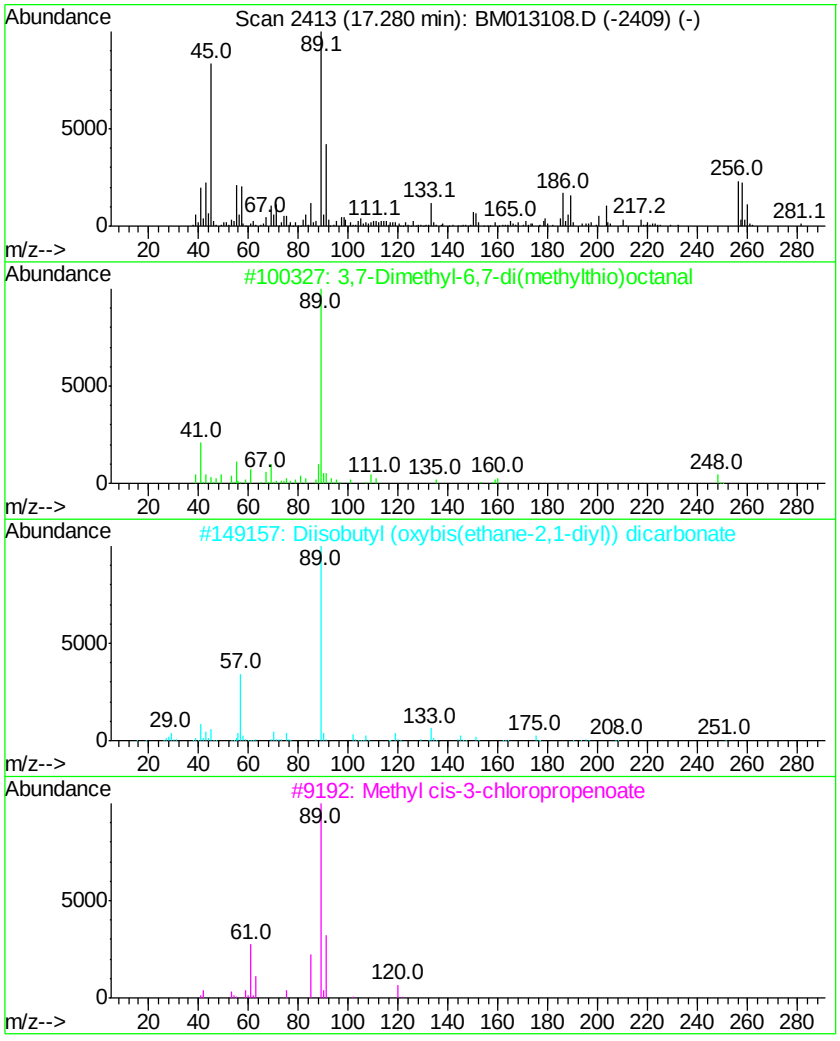
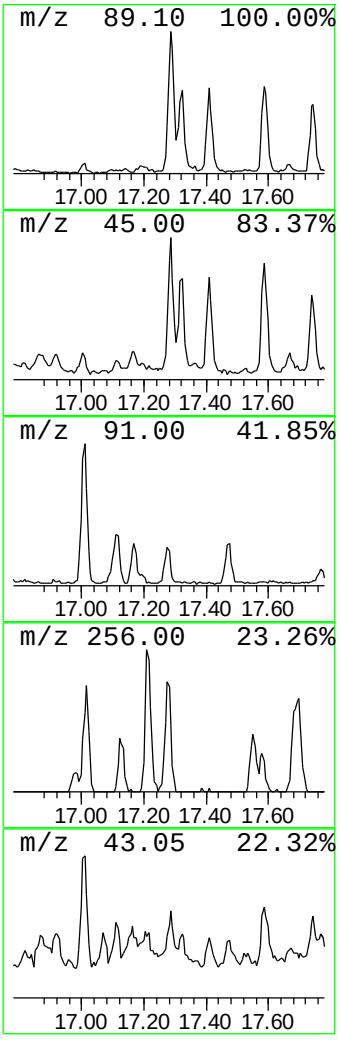
Peak Number 21 3,7-Dimethyl-6,7-di(methylt... Concentration Rank 67

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.28	3.95 ng/ul	774072	Phenanthrene-d10	17.10

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3,7-Dimethyl-6,7-di(methylthio)o...	248	C12H24OS2	1000314-40-1	50
2	Diisobutyl (oxybis(ethane-2,1-di...	306	C14H26O7	1000378-30-5	40
3	Methyl cis-3-chloropropenoate	120	C4H5ClO2	1000144-78-7	40
4	Bicyclo[4.3.0]nonan-4-one, 9-(2-...	256	C14H24O4	1000154-00-2	40
5	1,3-Heptadiyne, 6-(2-methoxyetho...	268	C14H24O3Si	1000156-78-0	33





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Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : A41R2

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Quant Title : SVOA CALIBRATION

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

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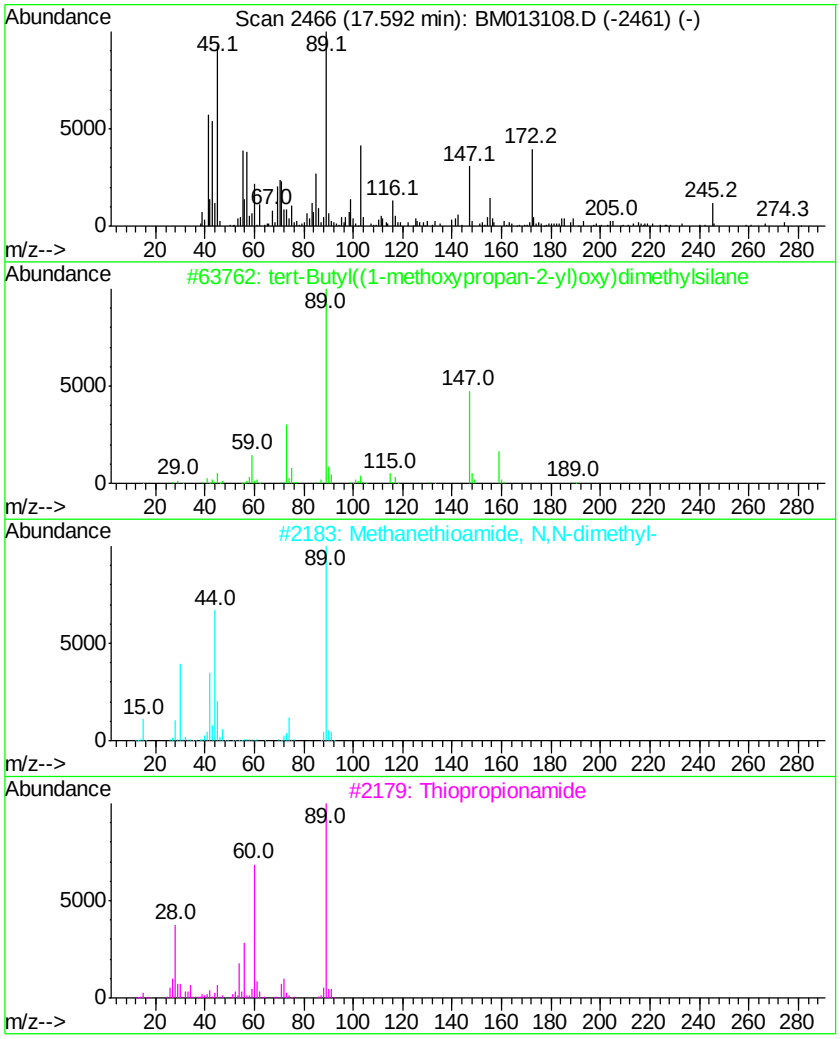
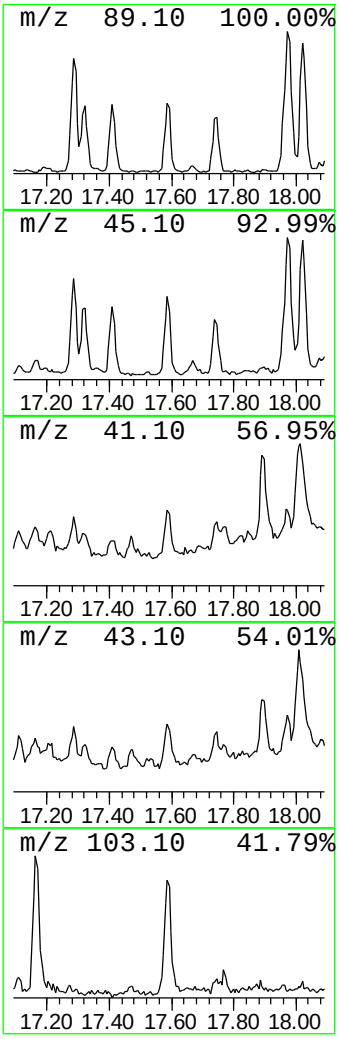
Peak Number 22 unknown-05 Concentration Rank 69

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.59	3.21 ng/ul	628221	Phenanthrene-d10	17.10

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	tert-Butyl((1-methoxypropan-2-yl...	204	C10H24O2Si	1000378-33-7	47
2	Methanethioamide, N,N-dimethyl-	89	C3H7NS	000758-16-7	46
3	Thiopropionamide	89	C3H7NS	000631-58-3	43
4	1-Butanethiol, 4-(9-borabicyclo[...	226	C12H23BOS	142039-81-4	43
5	1,3-Diaminoguanidine	89	CH7N5	004364-78-7	43





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Instrument : BNA_M
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Quant Title : SVOA CALIBRATION

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

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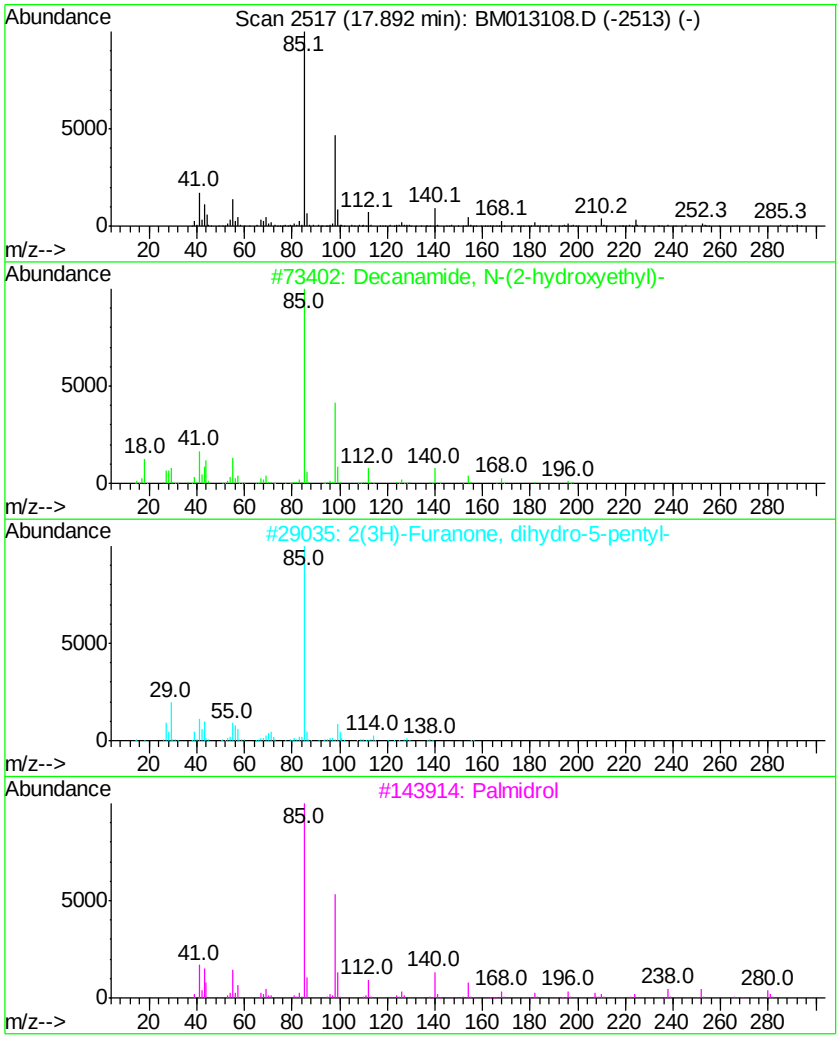
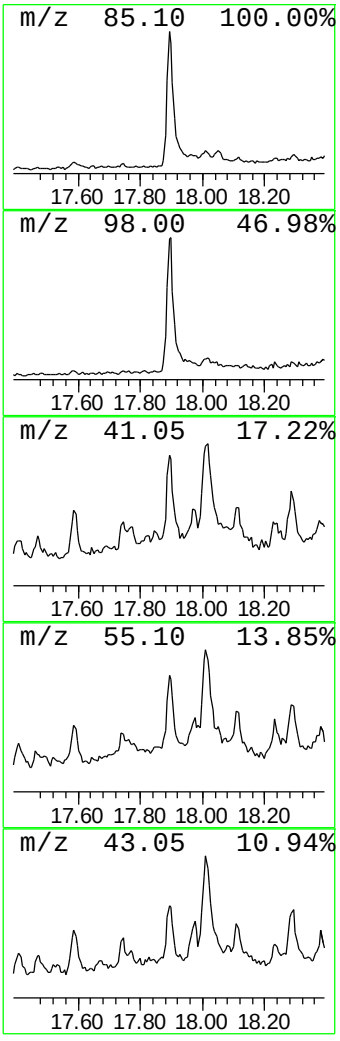
Peak Number 23 Decanamide, N-(2-hydroxyeth... Concentration Rank 42

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.89	6.22 ng/ul	1217970	Phenanthrene-d10	17.10

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Decanamide, N-(2-hydroxyethyl)-	215	C12H25NO2	007726-08-1	86
2	2(3H)-Furanone, dihydro-5-pentyl-	156	C9H16O2	000104-61-0	38
3	Palmidrol	299	C18H37NO2	000544-31-0	37
4	Allyldimethyl(vinyl)silane	126	C7H14Si	022146-25-4	32
5	Octanamide, N-(2-hydroxyethyl)-	187	C10H21NO2	007112-02-9	32





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Instrument : BNA_M
ClientSampleId : A41R2

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Quant Title : SVOA CALIBRATION

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

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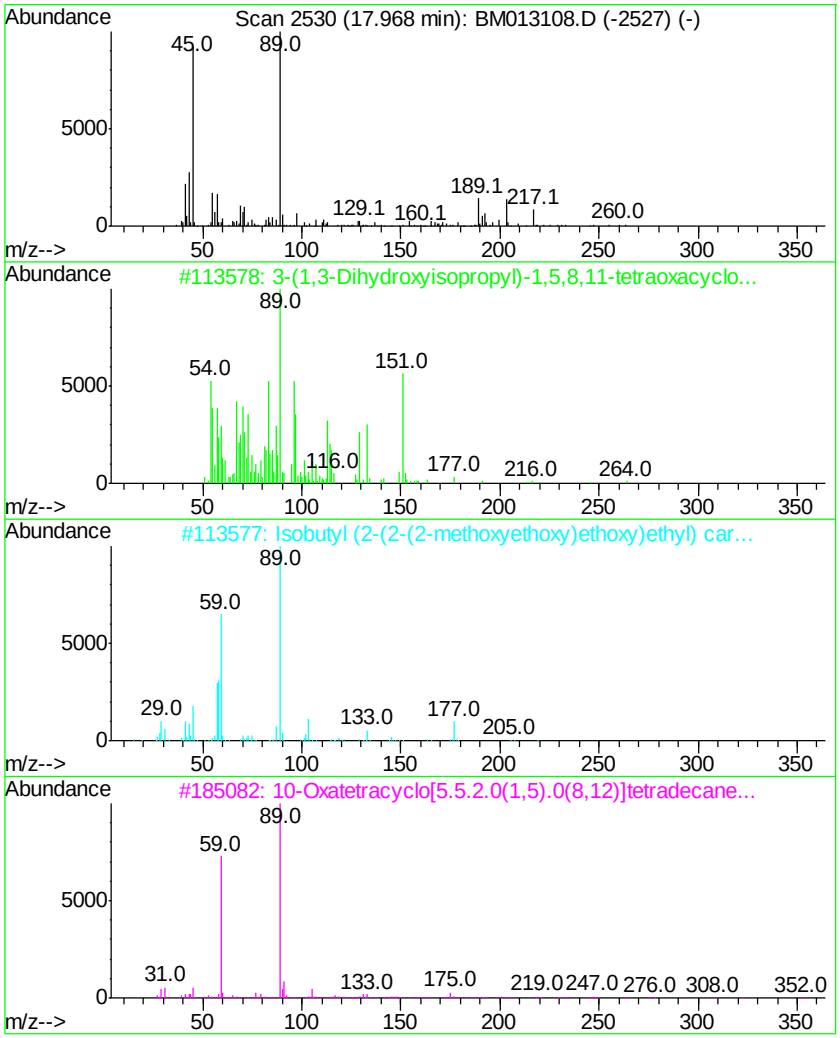
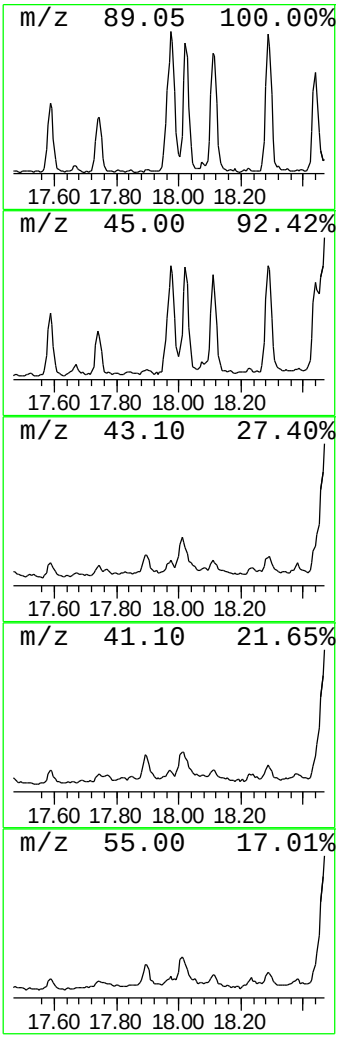
Peak Number 24 3-(1,3-Dihydroxyisopropyl)-... Concentration Rank 71

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.97	2.93 ng/ul	574259	Phenanthrene-d10	17.10

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-(1,3-Dihydroxyisopropyl)-1,5,8...	264	C12H24O6	109773-63-9	72
2	Isobutyl (2-(2-(2-methoxyethoxy)...	264	C12H24O6	1000378-28-5	42
3	10-Oxatetracyclo[5.5.2.0(1,5).0(...	352	C18H24O7	1000154-01-5	42
4	Diisobutyl (oxybis(ethane-2,1-di...	306	C14H26O7	1000378-30-5	36
5	Tricyclo[5.2.2.0(2,6)]undecan-11...	352	C18H24O7	1000155-17-7	36





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Quant Title : SVOA CALIBRATION

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

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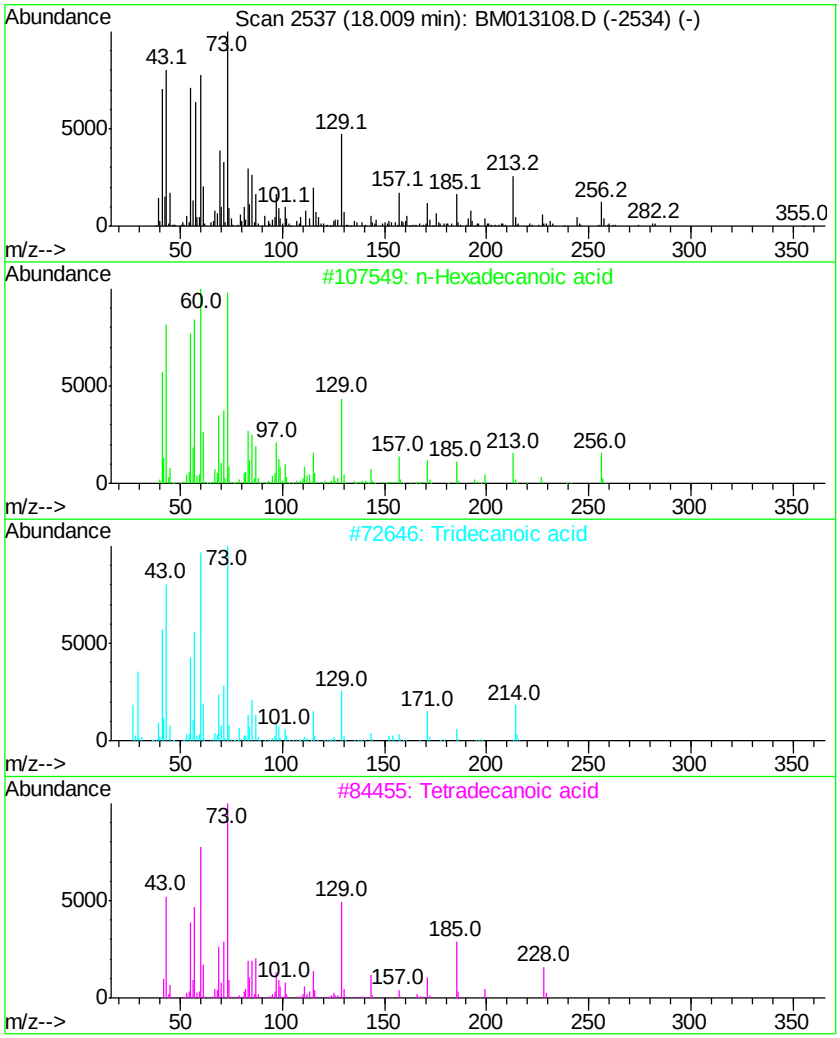
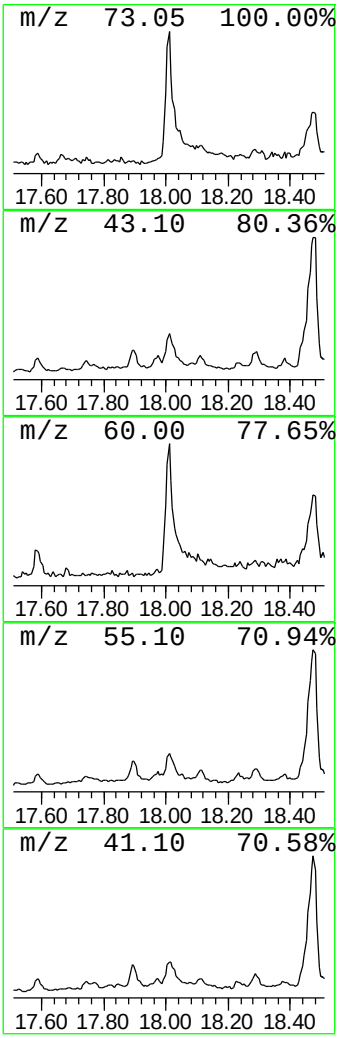
Peak Number 25 n-Hexadecanoic acid Concentration Rank 22

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.01	9.00 ng/ul	1762270	Phenanthrene-d10	17.10

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	n-Hexadecanoic acid	256	C16H32O2	000057-10-3	99
2	Tridecanoic acid	214	C13H26O2	000638-53-9	93
3	Tetradecanoic acid	228	C14H28O2	000544-63-8	90
4	Tridecanoic acid	214	C13H26O2	000638-53-9	74
5	Pentadecanoic acid	242	C15H30O2	001002-84-2	74





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Quant Title : SVOA CALIBRATION

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

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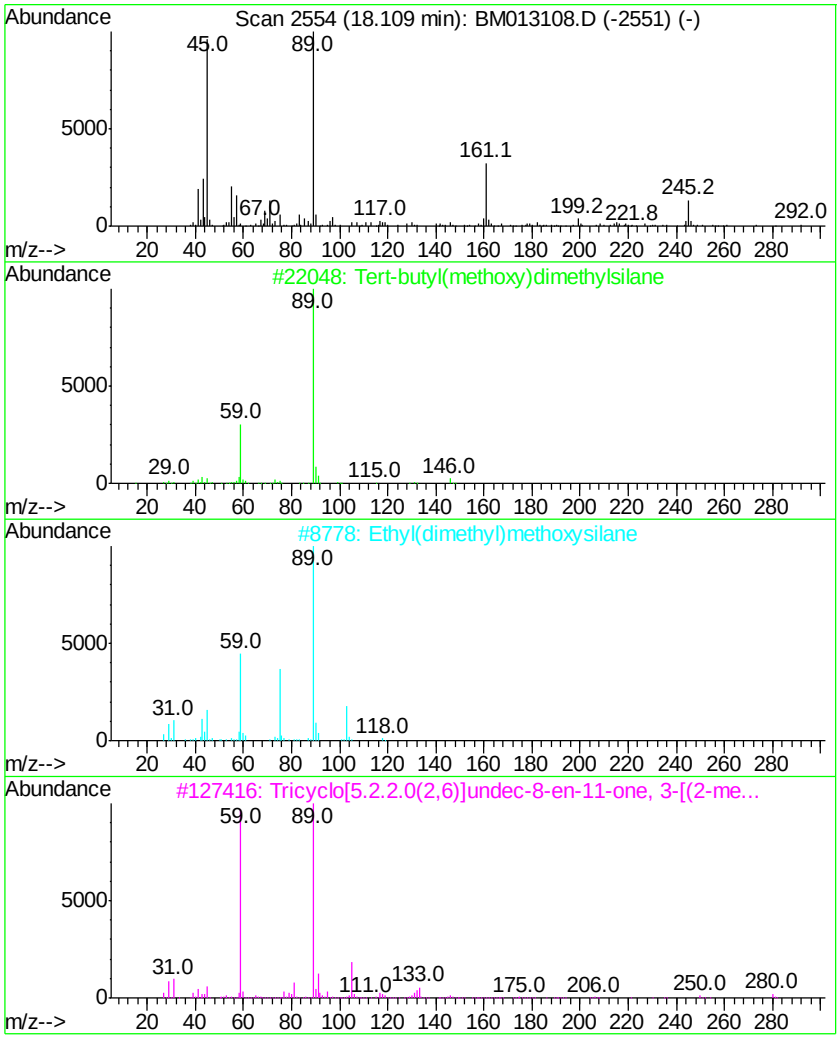
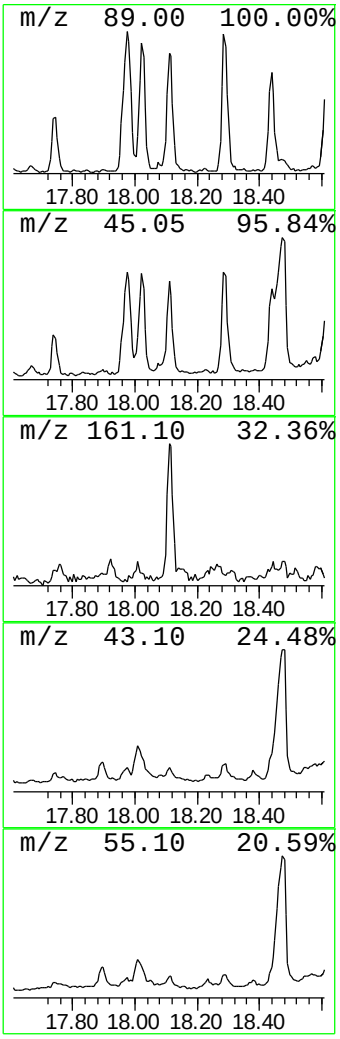
Peak Number 26 Tert-butyl(methoxy)dimethyl... Concentration Rank 74

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.11	2.61 ng/ul	510412	Phenanthrene-d10	17.10

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Tert-butyl(methoxy)dimethylsilane	146	C7H18OSi	1000364-10-7	53
2	Ethyl(dimethyl)methoxysilane	118	C5H14OSi	052686-75-6	53
3	Tricyclo[5.2.2.0(2,6)]undec-8-en...	280	C16H24O4	1000154-01-3	42
4	Diisobutyl (oxybis(ethane-2,1-di...	306	C14H26O7	1000378-30-5	36
5	3,7-Dimethyl-6,7-di(methylthio)o...	248	C12H24OS2	1000314-40-1	36





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TIC Integration Parameters: LSCINT.P

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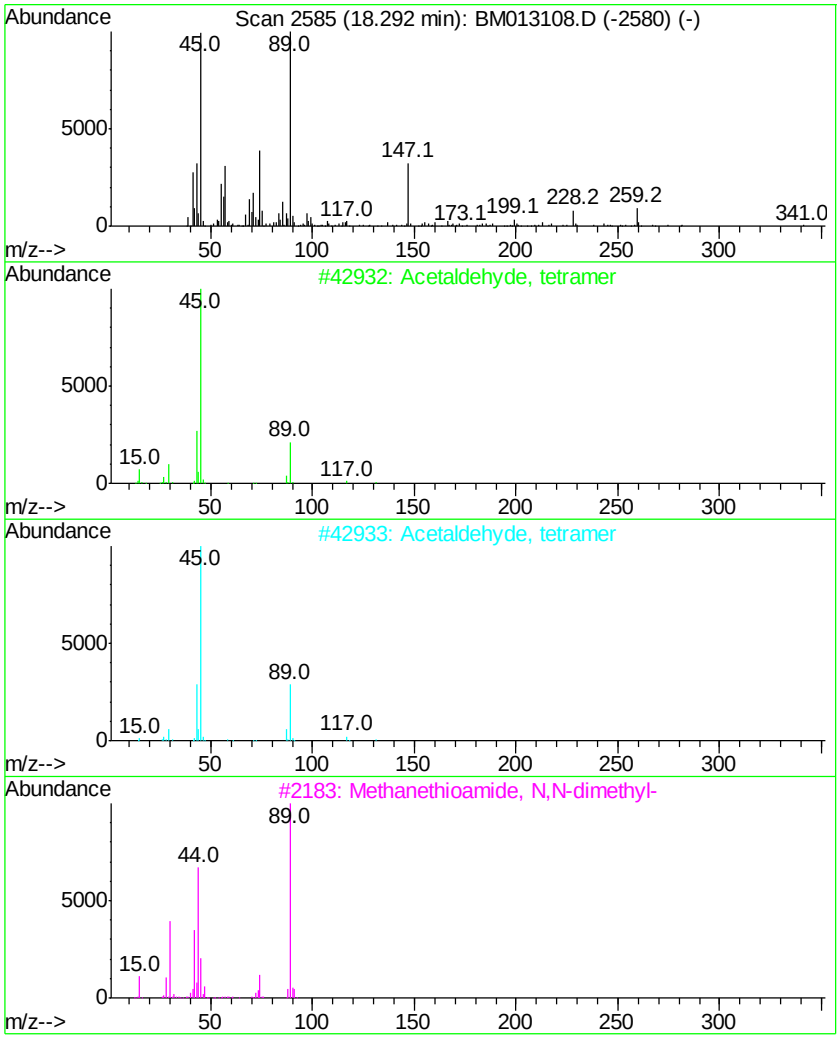
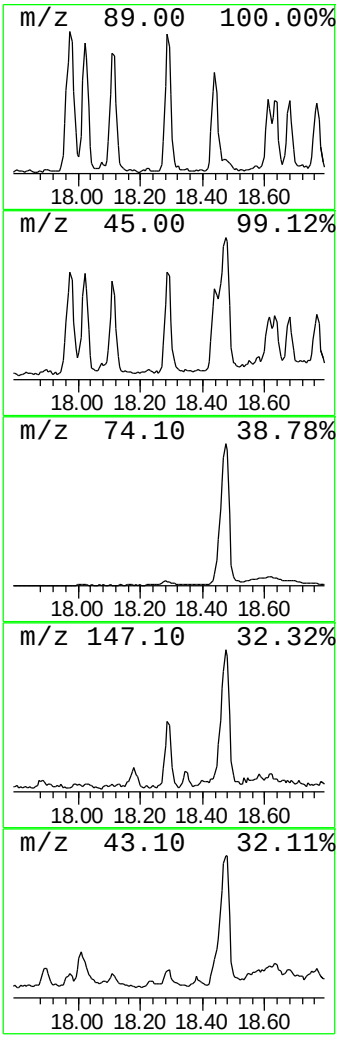
Peak Number 27 Acetaldehyde, tetramer Concentration Rank 64

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.29	4.19 ng/ul	820593	Phenanthrene-d10	17.10

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Acetaldehyde, tetramer	176	C8H16O4	000108-62-3	64
2	Acetaldehyde, tetramer	176	C8H16O4	000108-62-3	64
3	Methanethioamide, N,N-dimethyl-	89	C3H7NS	000758-16-7	42
4	Tripropyl orthoformate	190	C10H22O3	000621-76-1	40
5	Propane, 2,2',2''-[methylidynetr...	190	C10H22O3	004447-60-3	36





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Data File : BM013108.D
Acq On : 27 Nov 2017 12:58
Operator : SJ/JU
Sample : I6549-11
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : A41R2

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM111617.M
Quant Title : SVOA CALIBRATION

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

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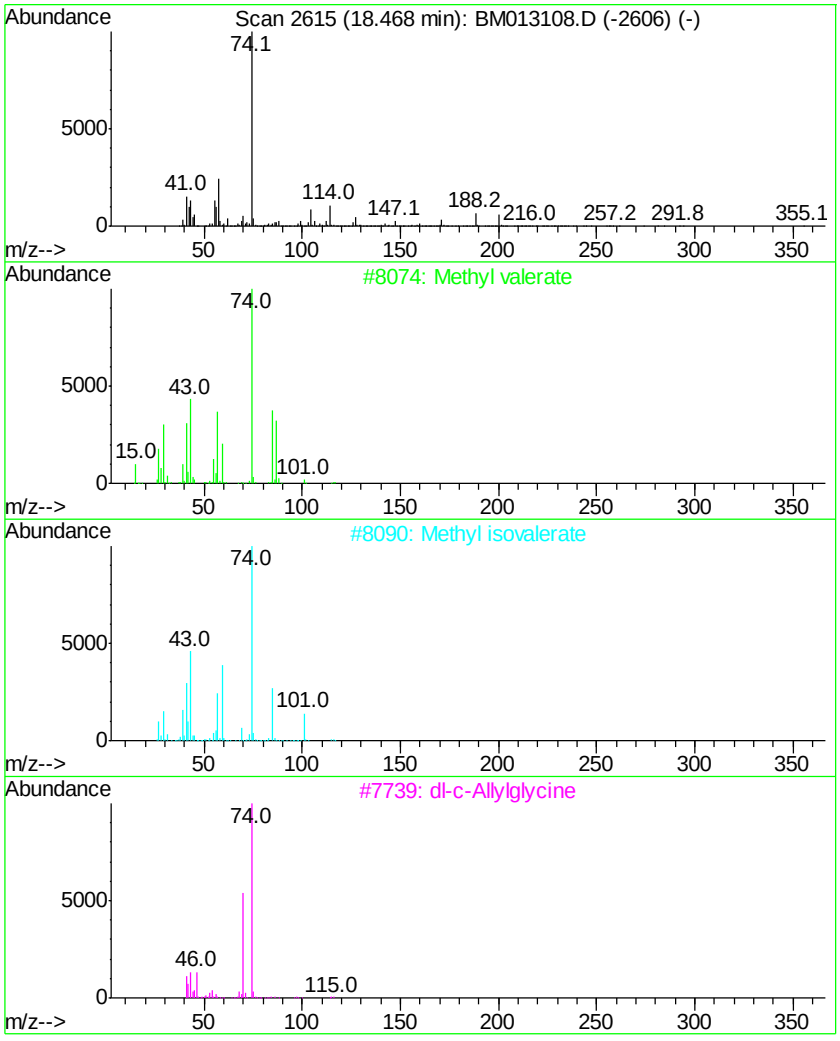
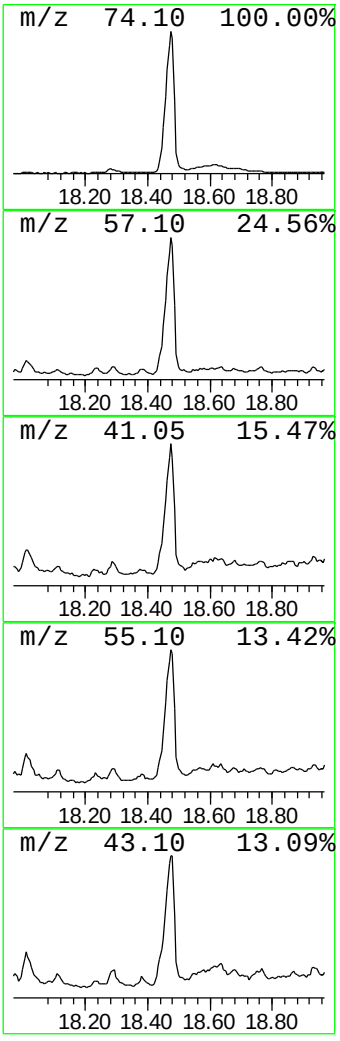
Peak Number 28 unknown-06 Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.47	61.17 ng/ul	11975600	Phenanthrene-d10	17.10

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Methyl valerate	116	C6H12O2	000624-24-8	47
2	Methyl isovalerate	116	C6H12O2	000556-24-1	40
3	dl-c-Allylglycine	115	C5H9NO2	007685-44-1	40
4	Diethanolamine	105	C4H11NO2	000111-42-2	38
5	Propanoic acid	74	C3H6O2	000079-09-4	38





Library Search Compound Report

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Data File : BM013108.D
Acq On : 27 Nov 2017 12:58
Operator : SJ/JU
Sample : I6549-11
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : A41R2

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM111617.M
Quant Title : SVOA CALIBRATION

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

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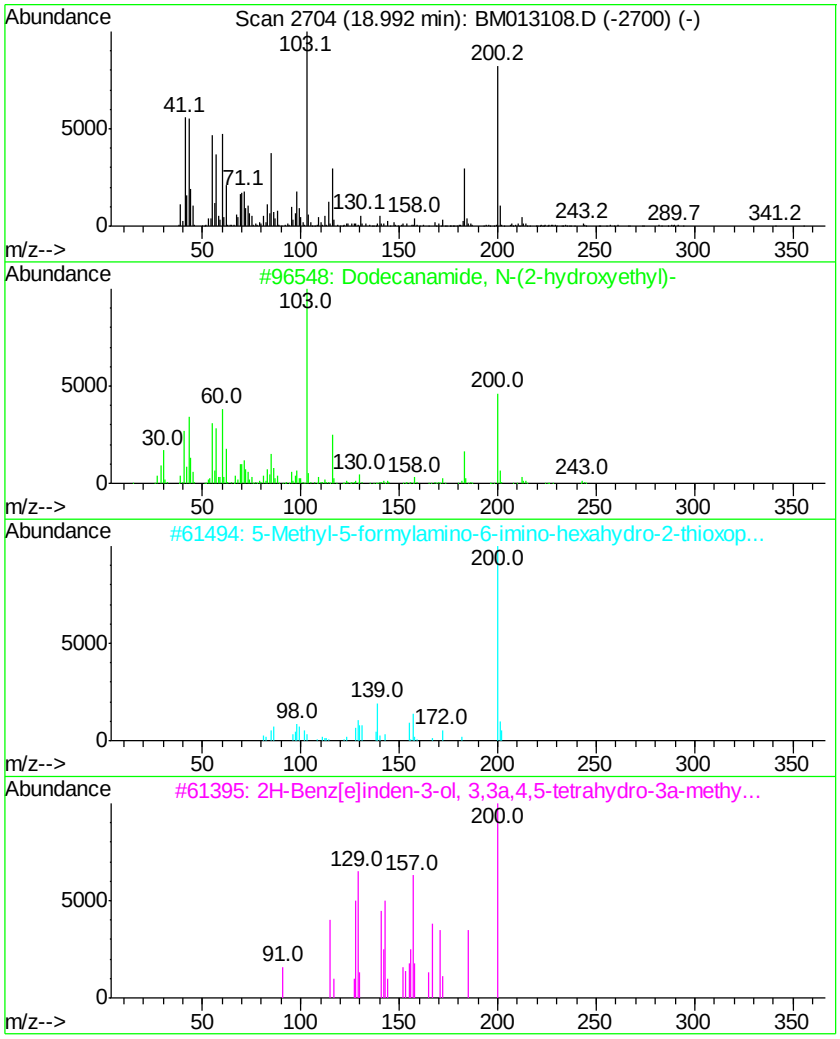
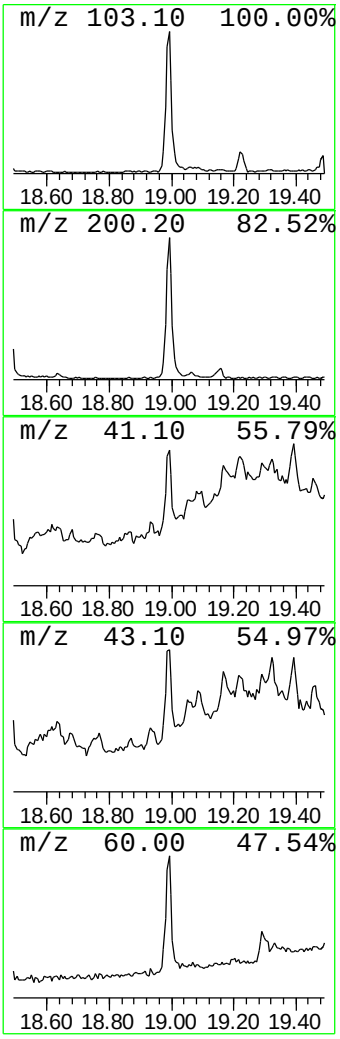
Peak Number 29 Dodecanamide, N-(2-hydroxye... Concentration Rank 24

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.99	8.60 ng/ul	1682800	Phenanthrene-d10	17.10

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dodecanamide, N-(2-hydroxyethyl)-	243	C14H29NO2	000142-78-9	74
2	5-Methyl-5-formylamino-6-imino-h...	200	C6H8N4O2S	071500-77-1	27
3	2H-Benz[e]inden-3-ol, 3,3a,4,5-t...	200	C14H16O	071805-91-9	22
4	Thiazolo[4,5-f]quinoline, 2-methyl-	200	C11H8N2S	038463-33-1	16
5	1-[2-(2-Oxo-propylidene)-1,4-dih...	243	C13H13N3O2	1000296-55-9	10





Library Search Compound Report

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Acq On : 27 Nov 2017 12:58
Operator : SJ/JU
Sample : I6549-11
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : A41R2

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM111617.M
Quant Title : SVOA CALIBRATION

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

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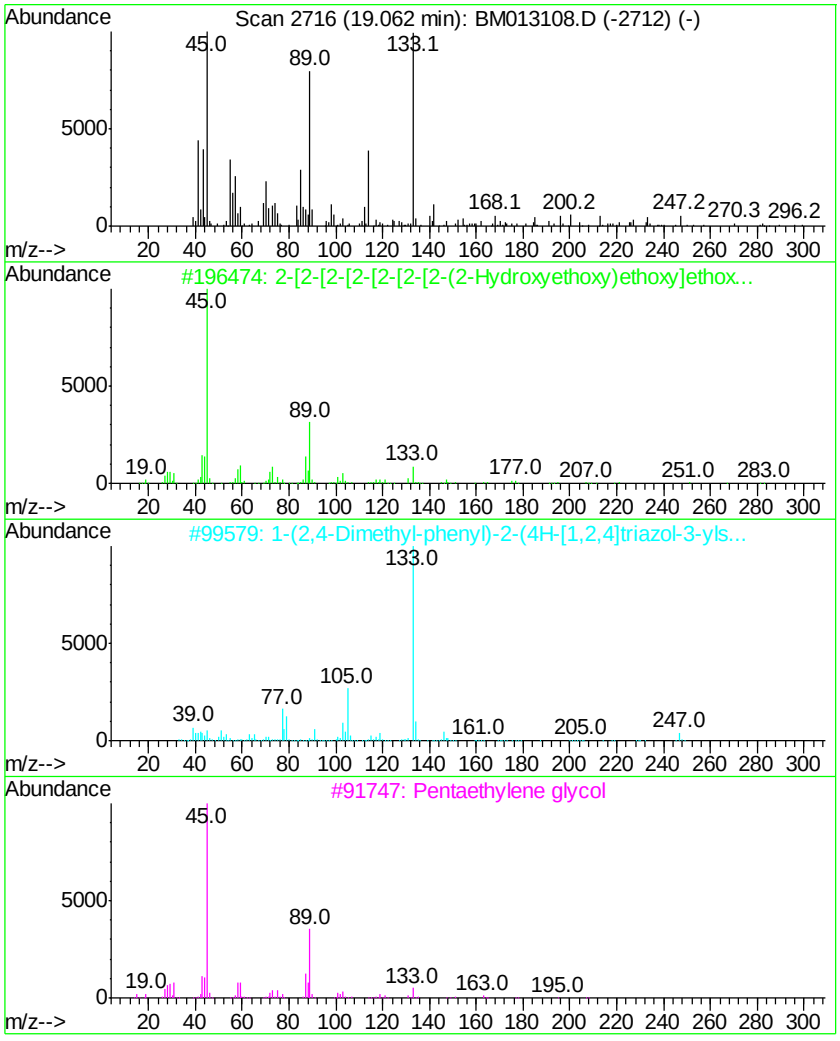
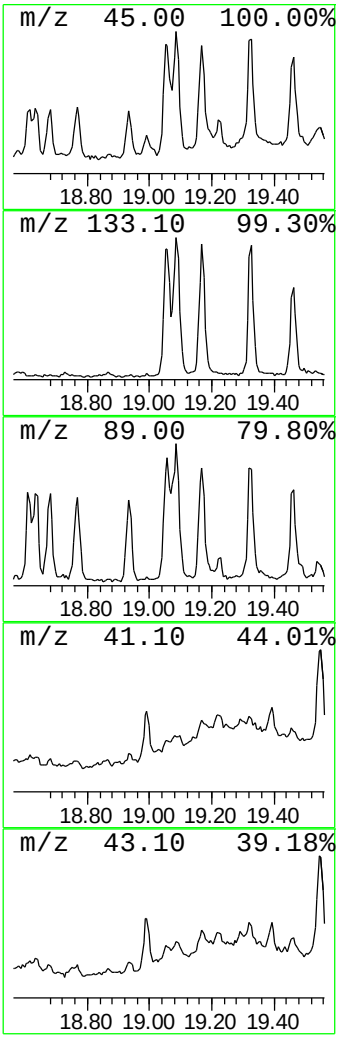
Peak Number 30 unknown-07 Concentration Rank 73

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.06	2.66 ng/ul	521473	Phenanthrene-d10	17.10

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-[2-[2-[2-[2-[2-[2-(2-Hydroxvet...	370	C16H34O9	005117-19-1	38
2	1-(2,4-Dimethyl-phenyl)-2-(4H-[1...	247	C12H13N3OS	1000274-28-7	18
3	Pentaethylene glycol	238	C10H22O6	004792-15-8	16
4	Cyclohexyl-15-crown-5	274	C14H26O5	017454-48-7	14
5	Formic acid, 1-methylpropyl ester	102	C5H10O2	000589-40-2	14





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Sample : I6549-11
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : A41R2

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM111617.M
Quant Title : SVOA CALIBRATION

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

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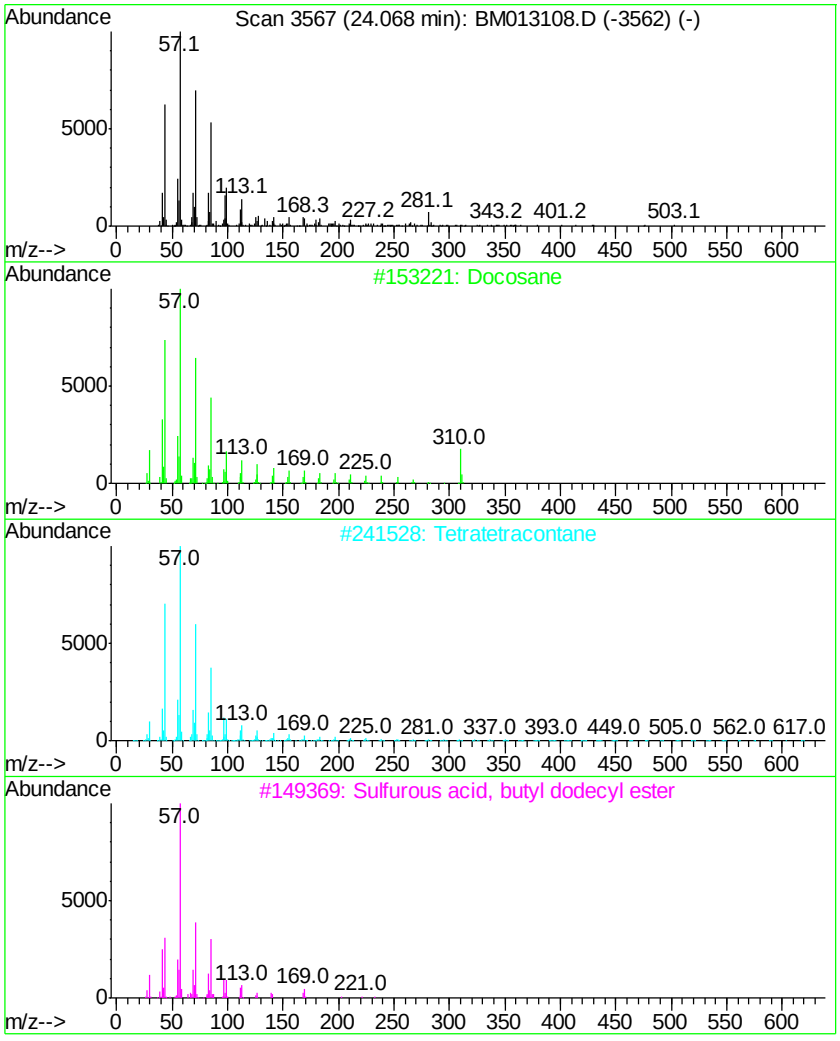
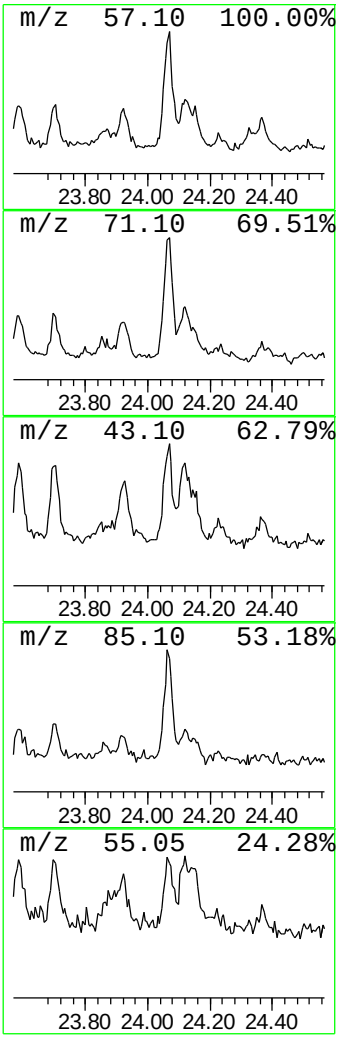
Peak Number 68 (DEL) Alkane: Straight-Chai... Concentration Rank 68

R.T.	EstConc	Area	Relative to ISTD	R.T.
24.07	3.39 ng/ul	672306	Perylene-d12	23.51

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Docosane	310	C22H46	000629-97-0	87
2	Tetratetracontane	619	C44H90	007098-22-8	87
3	Sulfurous acid, butyl dodecyl ester	306	C16H34O3S	1000309-17-9	86
4	Octacosane	394	C28H58	000630-02-4	86
5	2-methyloctacosane	408	C29H60	1000376-72-8	86





Tentatively Identified Compound (LSC) summary

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM112717\
Data File : BM013108.D
Acq On : 27 Nov 2017 12:58
Operator : SJ/JU
Sample : I6549-11
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : A41R2

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM111617.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
Octanoic acid	9.91	27.3	ng/ul	2258960	2	10.49	1652830	20.0
n-Decanoic acid	12.66	12.3	ng/ul	1413420	3	14.35	2291010	20.0
1,1'-Biphenyl, 4-...	14.47	8.2	ng/ul	934674	3	14.35	2291010	20.0
Dodecanoic acid	14.84	86.0	ng/ul	9848410	3	14.35	2291010	20.0
Benzene, (1-ethyl...	14.95	4.8	ng/ul	552765	3	14.35	2291010	20.0
Diethyltoluamide	15.10	6.0	ng/ul	686828	3	14.35	2291010	20.0
unknown-01	15.53	5.4	ng/ul	617091	3	14.35	2291010	20.0
Benzene, (1-butyl...	15.56	7.9	ng/ul	900954	3	14.35	2291010	20.0
1,1'-Biphenyl, 2,...	15.61	11.3	ng/ul	1291420	3	14.35	2291010	20.0
unknown-02	15.66	12.0	ng/ul	1372560	3	14.35	2291010	20.0
Benzene, (1-ethyl...	15.86	5.7	ng/ul	1106640	4	17.10	3915640	20.0
unknown-03	16.08	4.2	ng/ul	814088	4	17.10	3915640	20.0
Benzene, (1-methy...	16.19	9.3	ng/ul	1822190	4	17.10	3915640	20.0
Benzene, (1-penty...	16.35	18.3	ng/ul	3583770	4	17.10	3915640	20.0
Benzene, (1-butyl...	16.39	7.3	ng/ul	1427890	4	17.10	3915640	20.0
Benzene, (1-propy...	16.50	6.3	ng/ul	1224420	4	17.10	3915640	20.0
Tetradecanoic acid	16.53	17.1	ng/ul	3341890	4	17.10	3915640	20.0
Benzene, (1-ethyl...	16.70	7.2	ng/ul	1414880	4	17.10	3915640	20.0
unknown-04	16.87	2.9	ng/ul	560458	4	17.10	3915640	20.0
Benzene, (1-methy...	17.01	11.9	ng/ul	2324640	4	17.10	3915640	20.0
3,7-Dimethyl-6,7-...	17.28	4.0	ng/ul	774072	4	17.10	3915640	20.0
unknown-05	17.59	3.2	ng/ul	628221	4	17.10	3915640	20.0
Decanamide, N-(2-...	17.89	6.2	ng/ul	1217970	4	17.10	3915640	20.0
3-(1,3-Dihydroxyi...	17.97	2.9	ng/ul	574259	4	17.10	3915640	20.0
n-Hexadecanoic acid	18.01	9.0	ng/ul	1762270	4	17.10	3915640	20.0
Tert-butyl(methox...	18.11	2.6	ng/ul	510412	4	17.10	3915640	20.0
Acetaldehyde, tet...	18.29	4.2	ng/ul	820593	4	17.10	3915640	20.0
unknown-06	18.47	61.2	ng/ul	11975600	4	17.10	3915640	20.0
Dodecanamide, N-(...	18.99	8.6	ng/ul	1682800	4	17.10	3915640	20.0
unknown-07	19.06	2.7	ng/ul	521473	4	17.10	3915640	20.0
(DEL) Alkane: Str...	24.07	3.4	ng/ul	672306	6	23.51	3972240	20.0