LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG121016\
Data File : BG025095.D
Acq On : 11 Dec 2016 9:00
Operator : UM/SJ
Sample : H5905-12
Misc :
ALS Vial : 30 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : DA812

Integration Parameters: LSCINT.P
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 0.1 % of largest Peak
Start Thrs: 0.1 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 1

Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG113016.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	3.604	120	130	147	rVB	1311407	2017305	54.23%	3.307%
2	4.133	213	220	225	rVB3	41876	69294	1.86%	0.114%
3	5.519	448	456	470	rBV8	58162	212657	5.72%	0.349%
4	6.218	566	575	579	rVV7	21488	50000	1.34%	0.082%
5	7.205	735	743	753	rBV8	28526	100263	2.70%	0.164%
6	7.382	763	773	789	rVV2	505188	1092577	29.37%	1.791%
7	7.552	795	802	809	rBV	326474	559734	15.05%	0.917%
8	7.764	831	838	845	rVV	431636	784886	21.10%	1.287%
9	8.234	911	918	925	rBV	360904	643696	17.31%	1.055%
10	8.310	926	931	941	rVV3	53510	128312	3.45%	0.210%
11	8.751	996	1006	1020	rVB9	39935	129062	3.47%	0.212%
12	8.868	1020	1026	1031	rBV6	24703	51709	1.39%	0.085%
13	8.939	1031	1038	1047	rVB2	582787	1073172	28.85%	1.759%
14	9.415	1111	1119	1128	rVB	474490	915620	24.62%	1.501%
15	10.137	1230	1242	1251	rBV2	446619	831826	22.36%	1.363%
16	10.225	1251	1257	1267	rVB2	30113	63554	1.71%	0.104%
17	10.678	1327	1334	1342	rVV	580314	1053142	28.31%	1.726%
18	10.983	1380	1386	1391	rVB3	34381	52279	1.41%	0.086%
19	11.060	1391	1399	1406	rBV2	488801	930588	25.02%	1.525%
20	11.113	1406	1408	1413	rVB2	57285	73523	1.98%	0.121%
21	11.195	1413	1422	1432	rBV2	310367	677313	18.21%	1.110%
22	11.953	1542	1551	1557	rVB2	22871	72896	1.96%	0.119%
23	12.023	1557	1563	1568	rBV3	38945	72623	1.95%	0.119%
24	12.417	1624	1630	1637	rBV4	51409	82301	2.21%	0.135%
25	12.699	1673	1678	1681	rBV	91158	160199	4.31%	0.263%
26	12.846	1694	1703	1709	rBV	29046	64215	1.73%	0.105%
27	12.916	1709	1715	1720	rBV	91657	156076	4.20%	0.256%
28	12.975	1721	1725	1733	rVV	39989	76182	2.05%	0.125%
29	13.110	1739	1748	1752	rBV10	19861	49538	1.33%	0.081%
30	13.216	1758	1766	1774	rVB10	39815	105956	2.85%	0.174%
31	13.351	1785	1789	1794	rVB2	48492	72089	1.94%	0.118%
32	13.639	1831	1838	1842	rBV2	68000	106429	2.86%	0.174%
33	13.692	1843	1847	1852	rVB7	29874	49879	1.34%	0.082%
34	14.027	1897	1904	1913	rVB9	57079	163296	4.39%	0.268%

LSC Area Percent Report

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Acq On : 11 Dec 2016 9:00
Operator : UM/SJ
Sample : H5905-12
Misc :
ALS Vial : 30 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : DA812

Integration Parameters: LSCINT.P
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 0.1 % of largest Peak
Start Thrs: 0.1 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 1

Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG113016.M
Title : SVOA CALIBRATION

35	14.174	1922	1929	1933	rBV2	92016	178813	4.81%	0.293%
36	14.250	1934	1942	1946	rVV	1167642	1899442	51.06%	3.113%
37	14.297	1946	1950	1961	rVB	553277	898899	24.17%	1.473%
38	14.409	1963	1969	1973	rBV3	84162	143457	3.86%	0.235%
39	14.556	1987	1994	2004	rBV	1128397	1899488	51.07%	3.114%
40	14.702	2013	2019	2026	rVB	102717	142435	3.83%	0.233%
41	14.855	2034	2045	2053	rBV	901924	1567521	42.14%	2.569%
42	15.049	2071	2078	2087	rBV	514348	972457	26.14%	1.594%
43	15.126	2087	2091	2100	rVV5	66414	192990	5.19%	0.316%
44	15.243	2100	2111	2117	rVB7	87180	254256	6.84%	0.417%
45	15.314	2118	2123	2131	rVV5	69683	128943	3.47%	0.211%
46	15.384	2131	2135	2142	rVB9	44635	82168	2.21%	0.135%
47	15.460	2142	2148	2153	rBV4	66626	118853	3.20%	0.195%
48	15.513	2153	2157	2161	rBV4	43607	62274	1.67%	0.102%
49	15.607	2167	2173	2175	rBV3	82797	143831	3.87%	0.236%
50	15.643	2176	2179	2188	rVB3	154628	301203	8.10%	0.494%
51	15.842	2207	2213	2224	rVB	1590811	2517802	67.69%	4.127%
52	15.960	2226	2233	2242	rVB	664585	1023598	27.52%	1.678%
53	16.048	2242	2248	2253	rBV2	104283	185281	4.98%	0.304%
54	16.183	2264	2271	2277	rVB4	84483	176148	4.74%	0.289%
55	16.271	2282	2286	2292	rBV7	39883	73211	1.97%	0.120%
56	16.330	2292	2296	2304	rVV2	66507	136756	3.68%	0.224%
57	16.524	2322	2329	2347	rVB	467598	998242	26.84%	1.636%
58	16.871	2383	2388	2391	rBV7	33390	60759	1.63%	0.100%
59	16.953	2398	2402	2407	rVB7	42012	66974	1.80%	0.110%
60	17.123	2426	2431	2441	rBV8	92569	244878	6.58%	0.401%
61	17.235	2447	2450	2456	rVB6	43781	98186	2.64%	0.161%
62	17.299	2456	2461	2465	rBV2	187124	276571	7.44%	0.453%
63	17.346	2466	2469	2478	rVB3	93176	165825	4.46%	0.272%
64	17.599	2505	2512	2516	rBV	1179127	1900168	51.08%	3.115%
65	17.640	2517	2519	2523	rVV	270180	350450	9.42%	0.574%
66	17.699	2523	2529	2546	rVB	1681443	2746150	73.83%	4.501%
67	17.910	2560	2565	2574	rVB8	70927	158552	4.26%	0.260%
68	18.034	2583	2586	2595	rVB2	239123	376663	10.13%	0.617%
69	18.439	2650	2655	2664	rBV3	559412	919744	24.73%	1.508%
70	18.516	2664	2668	2674	rVB3	146256	214006	5.75%	0.351%
71	18.651	2686	2691	2696	rBV5	125383	239398	6.44%	0.392%

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Operator : UM/SJ
Sample : H5905-12
Misc :
ALS Vial : 30 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : DA812

Integration Parameters: LSCINT.P
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 0.1 % of largest Peak
Start Thrs: 0.1 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

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Peak separation: 1

Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG113016.M
Title : SVOA CALIBRATION

72	18.721	2700	2703	2709	rVB2	225061	274610	7.38%	0.450%
73	18.950	2739	2742	2747	rBV3	69929	103518	2.78%	0.170%
74	19.285	2796	2799	2805	rVB8	75859	113088	3.04%	0.185%
75	19.344	2805	2809	2817	rBV3	240933	404762	10.88%	0.663%
76	19.503	2831	2836	2843	rBV	323202	512642	13.78%	0.840%
77	19.632	2854	2858	2864	rVB	497627	762754	20.51%	1.250%
78	19.697	2864	2869	2877	rBV3	253209	389395	10.47%	0.638%
79	19.914	2903	2906	2910	rVB	224758	243695	6.55%	0.399%
80	19.973	2910	2916	2926	rVB2	1993358	3719659	100.00%	6.097%
81	20.437	2991	2995	3000	rBV	280500	363439	9.77%	0.596%
82	20.936	3078	3080	3091	rVB2	228263	329034	8.85%	0.539%
83	21.260	3131	3135	3140	rVB	110106	159618	4.29%	0.262%
84	21.459	3164	3169	3179	rVB4	368964	761586	20.47%	1.248%
85	21.594	3189	3192	3198	rVB4	148891	235258	6.32%	0.386%
86	21.671	3202	3205	3209	rBV	281276	382541	10.28%	0.627%
87	21.724	3209	3214	3219	rVB	1014175	1384140	37.21%	2.269%
88	21.888	3234	3242	3247	rBV2	1340645	2934900	78.90%	4.811%
89	21.935	3247	3250	3257	rVB2	654959	1008501	27.11%	1.653%
90	22.012	3258	3263	3267	rBV	891766	1572039	42.26%	2.577%
91	22.111	3276	3280	3284	rVB	289240	399338	10.74%	0.655%
92	22.294	3300	3311	3320	rBV3	548877	1873803	50.38%	3.071%
93	22.382	3320	3326	3328	rBV2	519018	999835	26.88%	1.639%
94	22.411	3328	3331	3335	rVB2	604581	894327	24.04%	1.466%
95	22.658	3369	3373	3380	rBV6	154108	326897	8.79%	0.536%
96	23.351	3486	3491	3493	rBV6	153353	243152	6.54%	0.399%
97	24.215	3630	3638	3645	rBV3	399302	1199132	32.24%	1.966%
98	24.979	3763	3768	3775	rBV2	156957	420370	11.30%	0.689%
99	25.067	3775	3783	3792	rVV2	883507	2453666	65.96%	4.022%
100	25.302	3814	3823	3833	rBV2	650175	1882764	50.62%	3.086%

Sum of corrected areas: 61007046

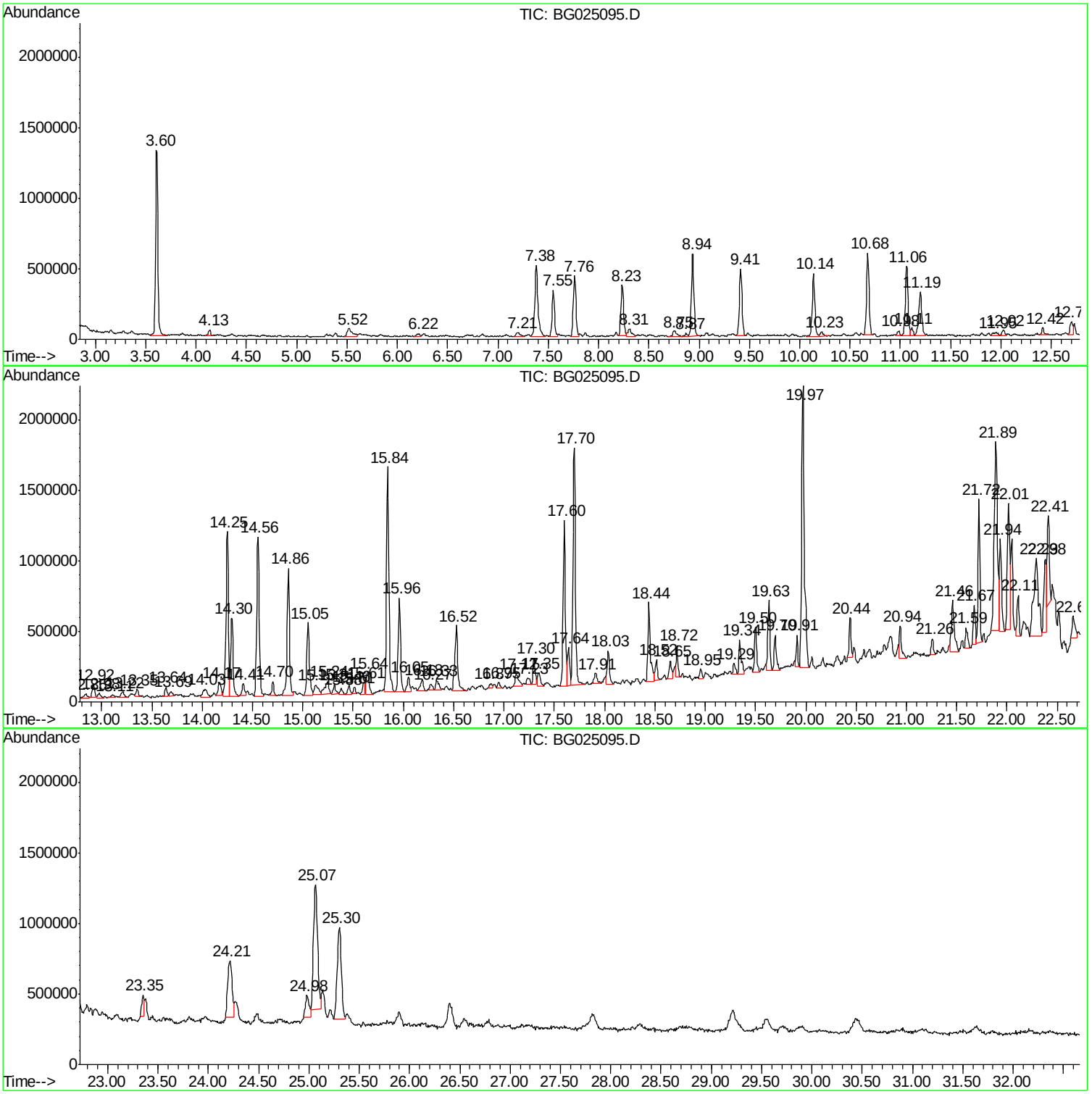
LSC Report - Integrated Chromatogram

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG121016\
Data File : BG025095.D
Acq On : 11 Dec 2016 9:00
Operator : UM/SJ
Sample : H5905-12
Misc :
ALS Vial : 30 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : DA812

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG113016.M
Quant Title : SVOA CALIBRATION

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



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Data File : BG025095.D
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Instrument : BNA_G
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Quant Title : SVOA CALIBRATION

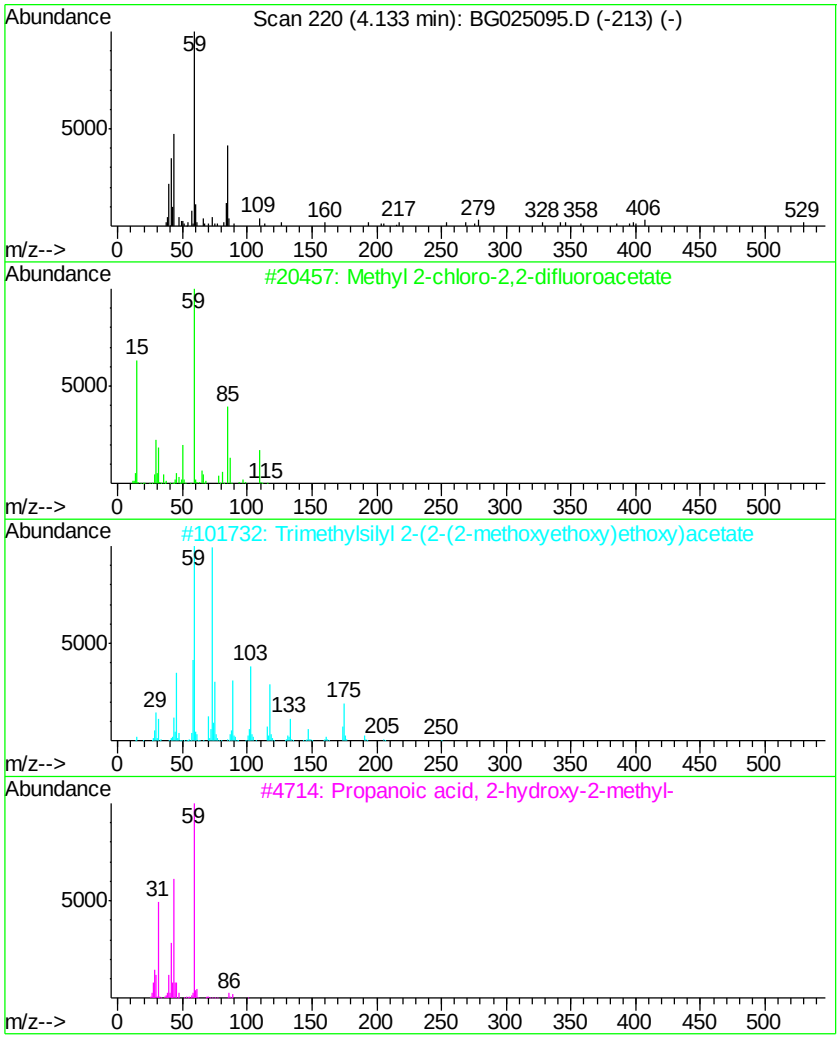
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

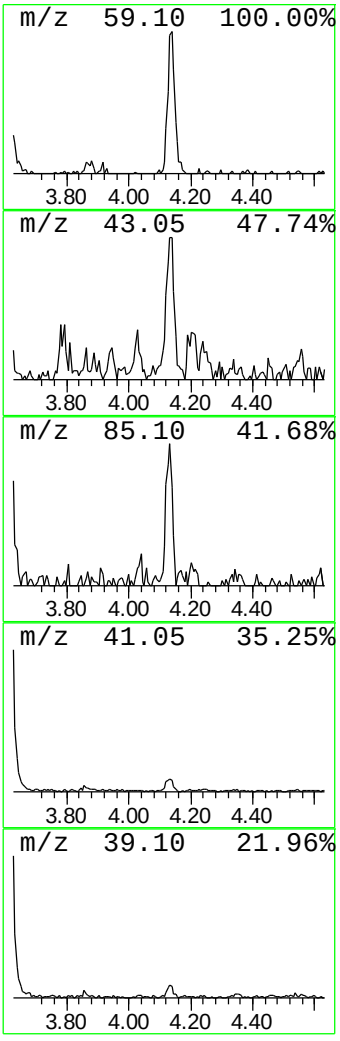
****

Peak Number 1 unknown-01 Concentration Rank 33

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.13	2.15 ng/ul	69294	1,4-Dichlorobenzene-d4	8.23

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Methyl 2-chloro-2,2-difluoroacetate	144	C3H3ClF2O2	001514-87-0	39
2	Trimethylsilyl 2-(2-(2-methoxyet...	250	C10H22O5Si	1000366-86-4	32
3	Propanoic acid, 2-hydroxy-2-methyl-	104	C4H8O3	000594-61-6	25
4	Butanedioic acid, mono(2,2-dimet...	160	C6H12N2O3	001596-84-5	9
5	2-Hydroxy-2-methylhept-6-en-3-one	142	C8H14O2	000996-61-2	9





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG121016\
Data File : BG025095.D
Acq On : 11 Dec 2016 9:00
Operator : UM/SJ
Sample : H5905-12
Misc :
ALS Vial : 30 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : DA812

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG113016.M
Quant Title : SVOA CALIBRATION

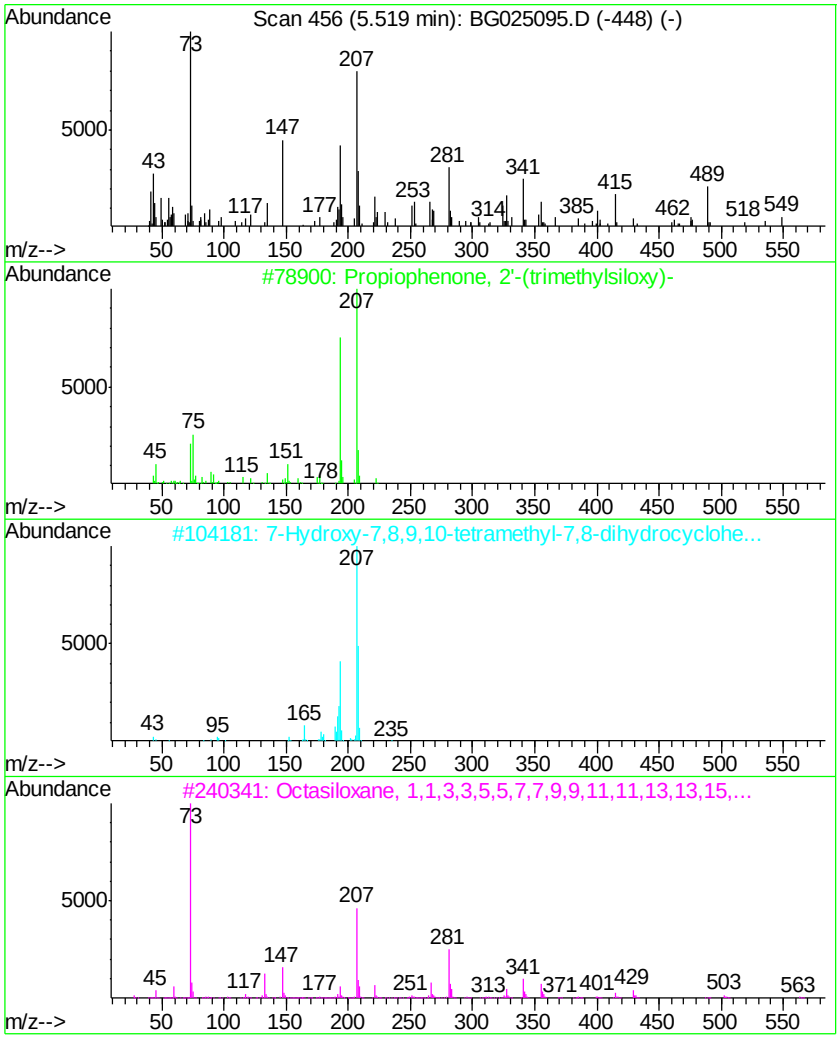
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

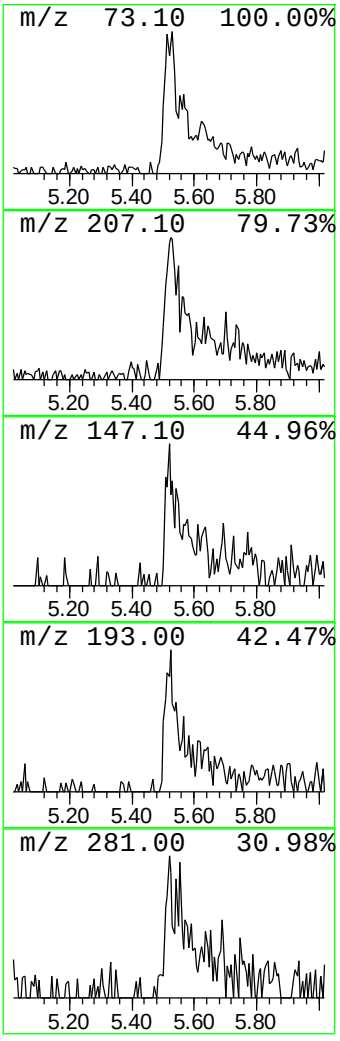
****

Peak Number 2 unknown-02 Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.52	6.61 ng/ul	212657	1,4-Dichlorobenzene-d4	8.23

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Propiophenone, 2'-(trimethylsilo...	222	C12H18O2Si	033342-87-9	37
2	7-Hydroxy-7,8,9,10-tetramethyl-7...	252	C18H20O	1000110-34-9	32
3	Octasiloxane, 1,1,3,3,5,5,7,7,9,...	578	C16H50O7Si8	019095-24-0	32
4	1,4-Benzenediol, 2,5-bis(1,1-dim...	222	C14H22O2	000088-58-4	27
5	Methyltris(trimethylsiloxy)silane	310	C10H30O3Si4	017928-28-8	25





Library Search Compound Report

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Instrument : BNA_G
ClientSampleId : DA812

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG113016.M
Quant Title : SVOA CALIBRATION

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

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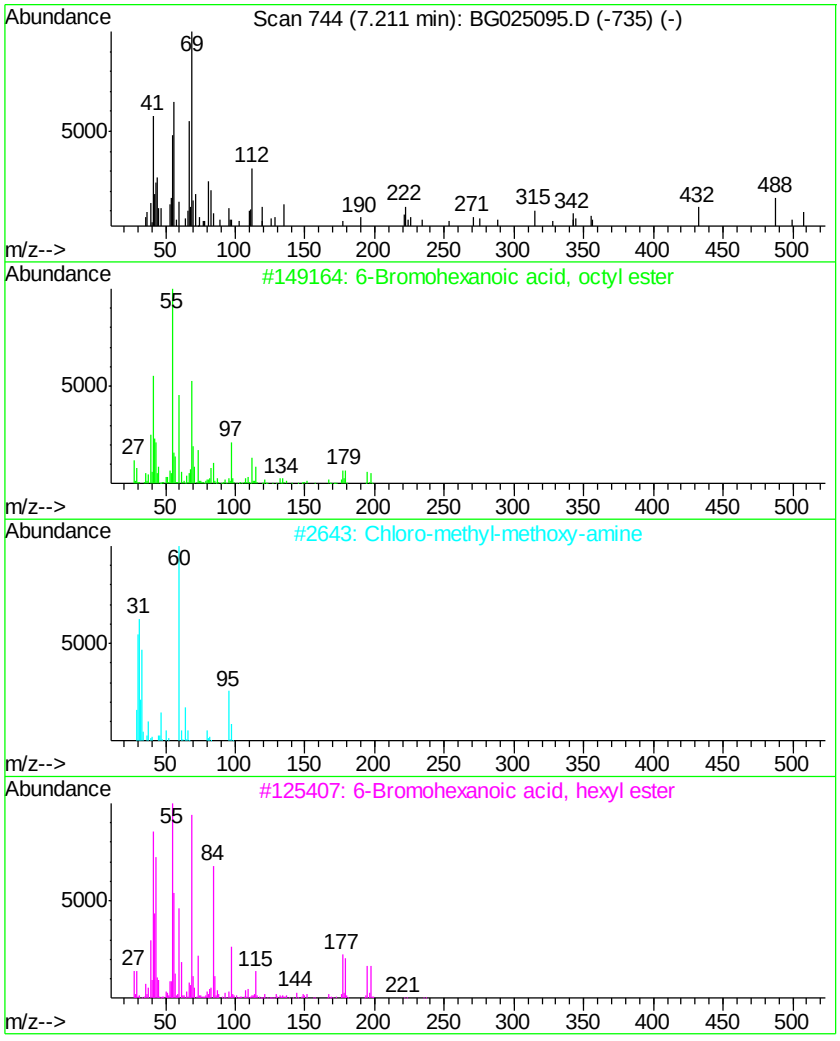
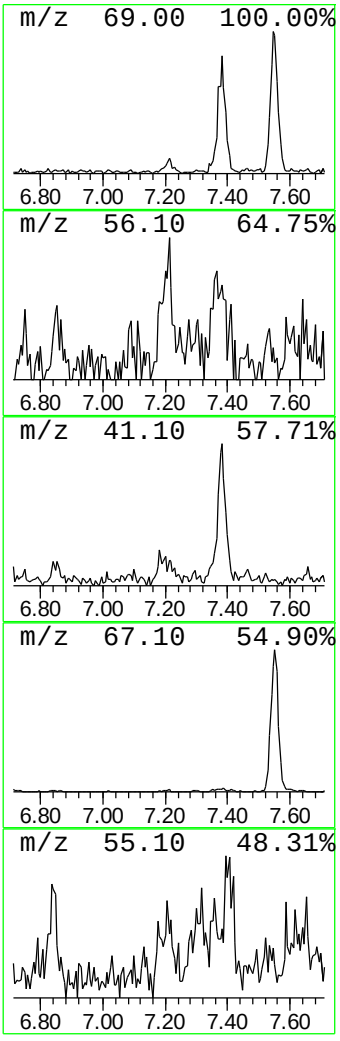
Peak Number 3 unknown-03 Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.21	3.12 ng/ul	100263	1,4-Dichlorobenzene-d4	8.23

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	6-Bromohexanoic acid, octyl ester	306	C14H27BrO2	1000281-91-3	25
2	Chloro-methyl-methoxy-amine	95	C2H6ClNO	070569-68-5	11
3	6-Bromohexanoic acid, hexyl ester	278	C12H23BrO2	1000281-91-1	10
4	5-Cyclopropylcarbonyloxypentadecane	296	C19H36O2	1000245-59-2	10
5	Cyclohexanebutanoic acid	170	C10H18O2	004441-63-8	10





Library Search Compound Report

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ALS Vial : 30 Sample Multiplier: 1

Instrument : BNA_G
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Quant Title : SVOA CALIBRATION

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

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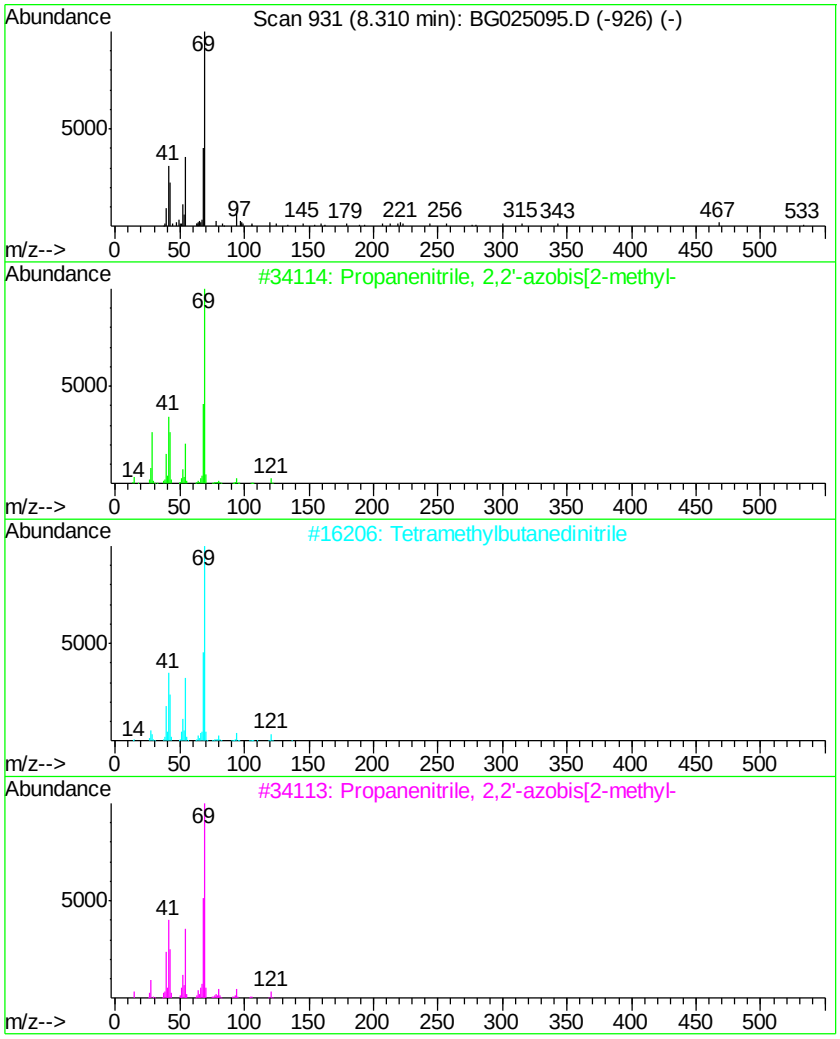
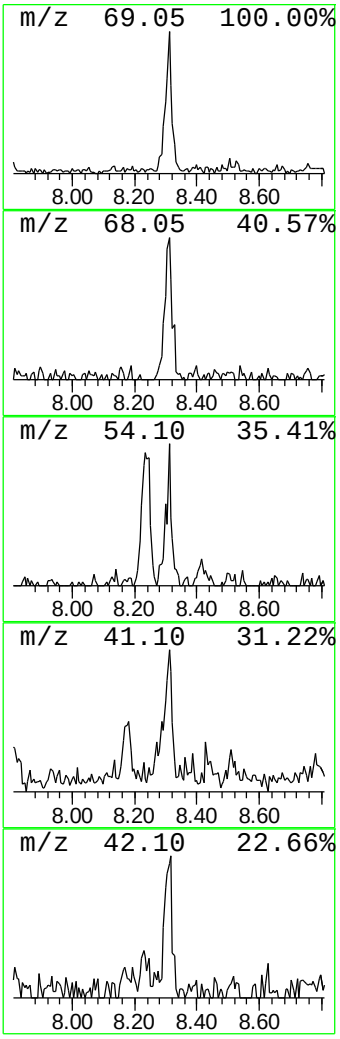
Peak Number 4 Propanenitrile, 2,2'-azobis... Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.31	3.99 ng/ul	128312	1,4-Dichlorobenzene-d4	8.23

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Propanenitrile, 2,2'-azobis[2-me...	164	C8H12N4	000078-67-1	72
2	Tetramethylbutanedinitrile	136	C8H12N2	003333-52-6	64
3	Propanenitrile, 2,2'-azobis[2-me...	164	C8H12N4	000078-67-1	64
4	Cyclopropanecarboxylic acid, 3-m...	154	C9H14O2	1000299-37-4	50
5	Tetramethylbutanedinitrile	136	C8H12N2	003333-52-6	40





Data Path : Z:\HPCHEM1\BNA_G\DATA\BG121016\
Data File : BG025095.D
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Operator : UM/SJ
Sample : H5905-12
Misc :
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Instrument : BNA_G
ClientSampleId : DA812

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG113016.M
Quant Title : SVOA CALIBRATION

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

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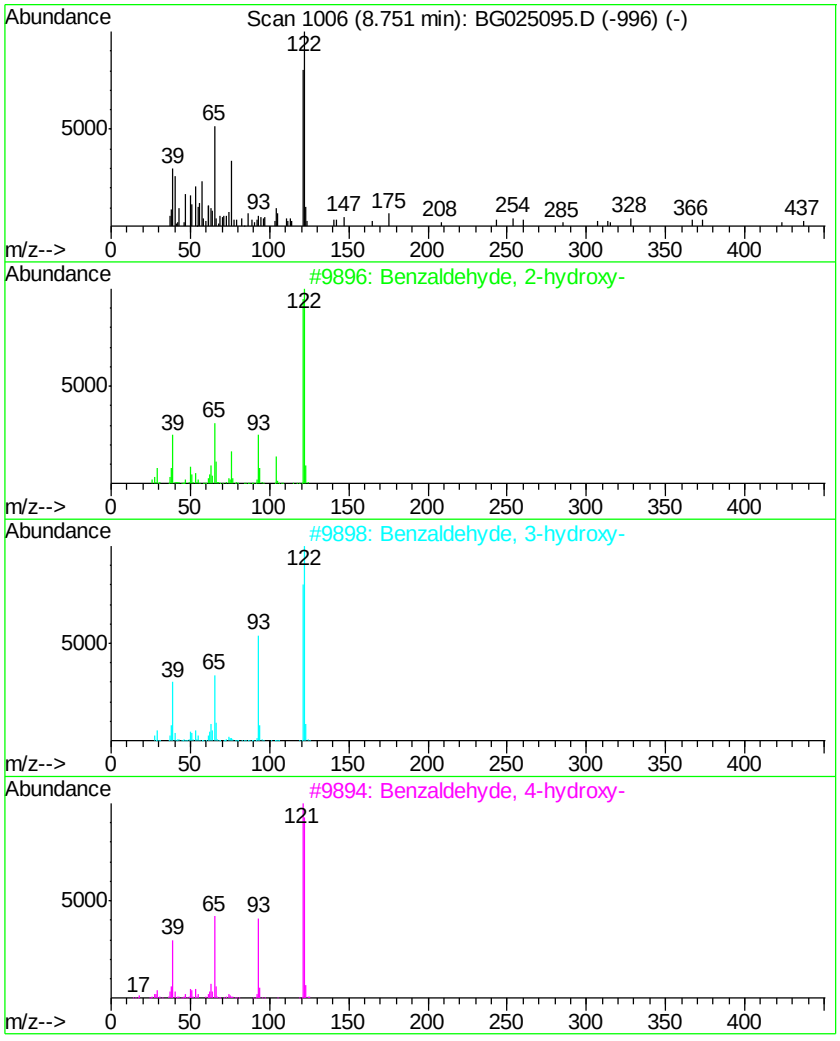
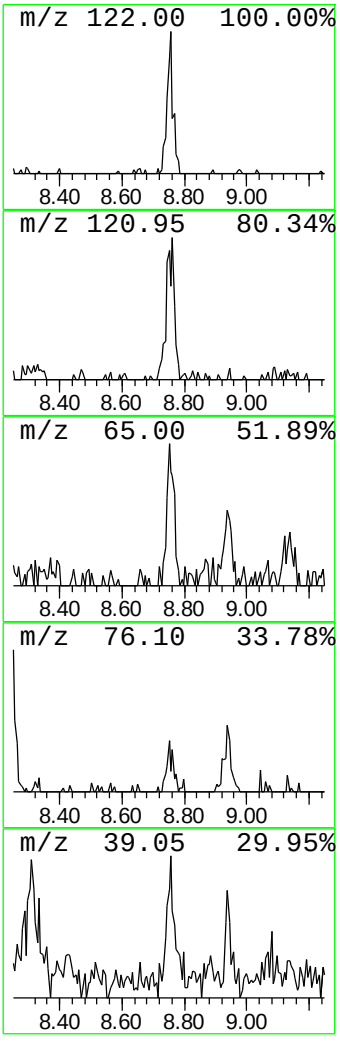
Peak Number 5 Benzaldehyde, 2-hydroxy- Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.75	4.01 ng/ul	129062	1,4-Dichlorobenzene-d4	8.23

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzaldehyde, 2-hydroxy-	122	C7H6O2	000090-02-8	86
2	Benzaldehyde, 3-hydroxy-	122	C7H6O2	000100-83-4	83
3	Benzaldehyde, 4-hydroxy-	122	C7H6O2	000123-08-0	78
4	Benzaldehyde, 3-hydroxy-	122	C7H6O2	000100-83-4	72
5	Benzaldehyde, 3-hydroxy-	122	C7H6O2	000100-83-4	72





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Acq On : 11 Dec 2016 9:00
Operator : UM/SJ
Sample : H5905-12
Misc :
ALS Vial : 30 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : DA812

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG113016.M
Quant Title : SVOA CALIBRATION

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

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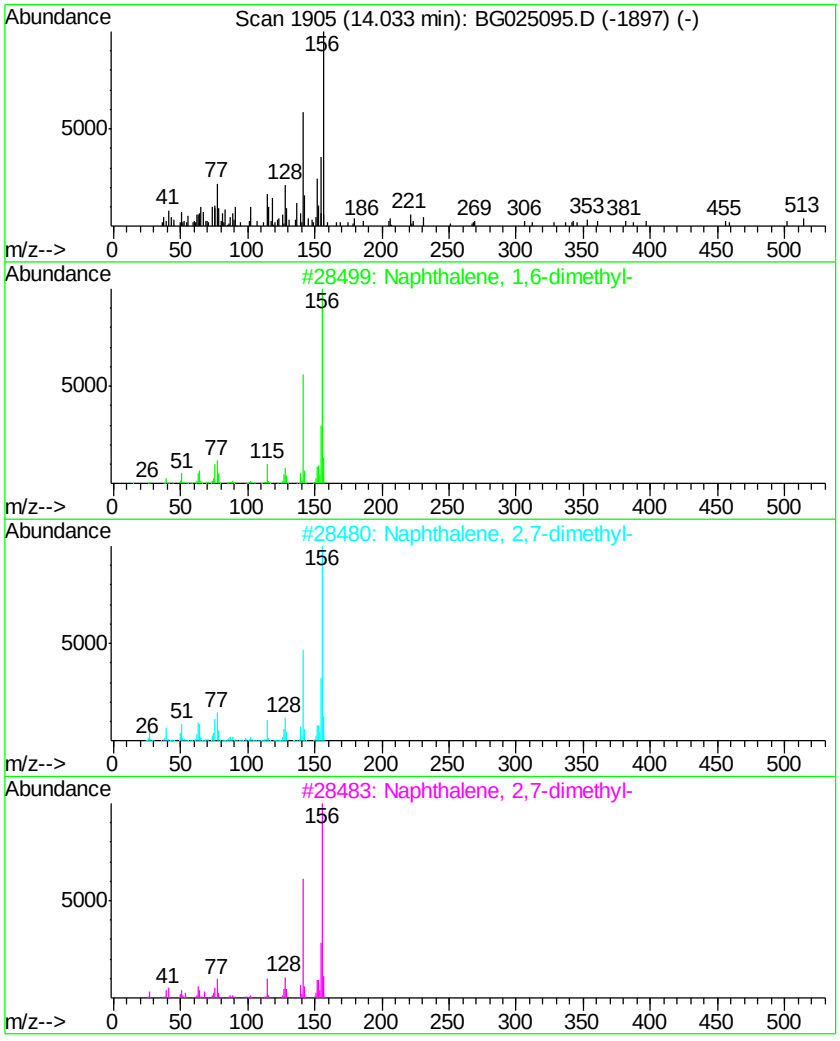
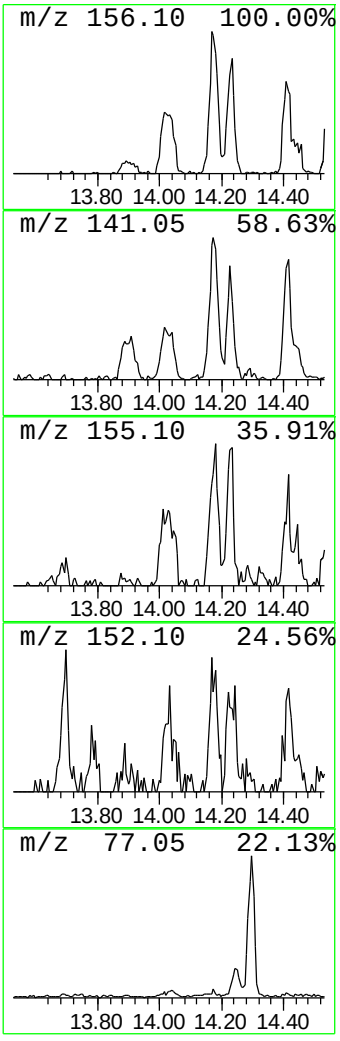
Peak Number 7 Naphthalene, 1,6-dimethyl- Concentration Rank 34

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.03	2.08 ng/ul	163296	Acenaphthene-d10	14.86

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	81
2	Naphthalene, 2,7-dimethyl-	156	C12H12	000582-16-1	76
3	Naphthalene, 2,7-dimethyl-	156	C12H12	000582-16-1	76
4	Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	76
5	Naphthalene, 2,7-dimethyl-	156	C12H12	000582-16-1	68





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Misc :
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Instrument : BNA_G
ClientSampleId : DA812

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Quant Title : SVOA CALIBRATION

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

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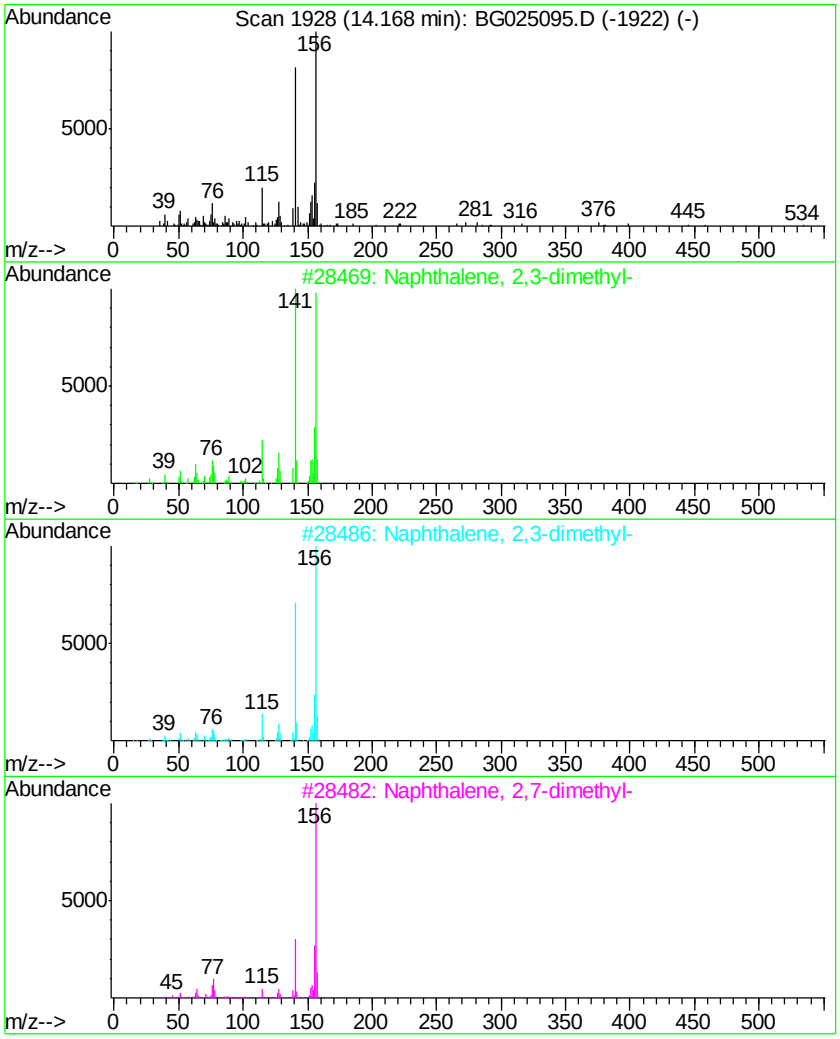
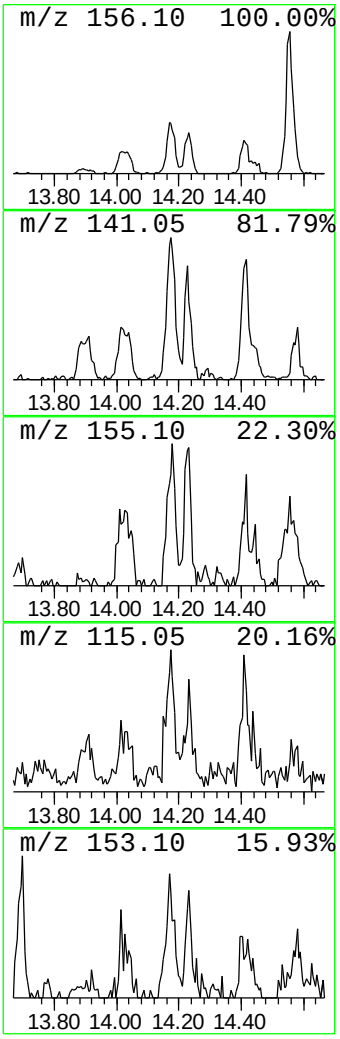
Peak Number 8 Naphthalene, 2,3-dimethyl- Concentration Rank 28

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.17	2.28 ng/ul	178813	Acenaphthene-d10	14.86

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	96
2	Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	95
3	Naphthalene, 2,7-dimethyl-	156	C12H12	000582-16-1	95
4	Naphthalene, 2,6-dimethyl-	156	C12H12	000581-42-0	95
5	Naphthalene, 2,7-dimethyl-	156	C12H12	000582-16-1	95





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Instrument : BNA_G
ClientSampleId : DA812

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG113016.M
Quant Title : SVOA CALIBRATION

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

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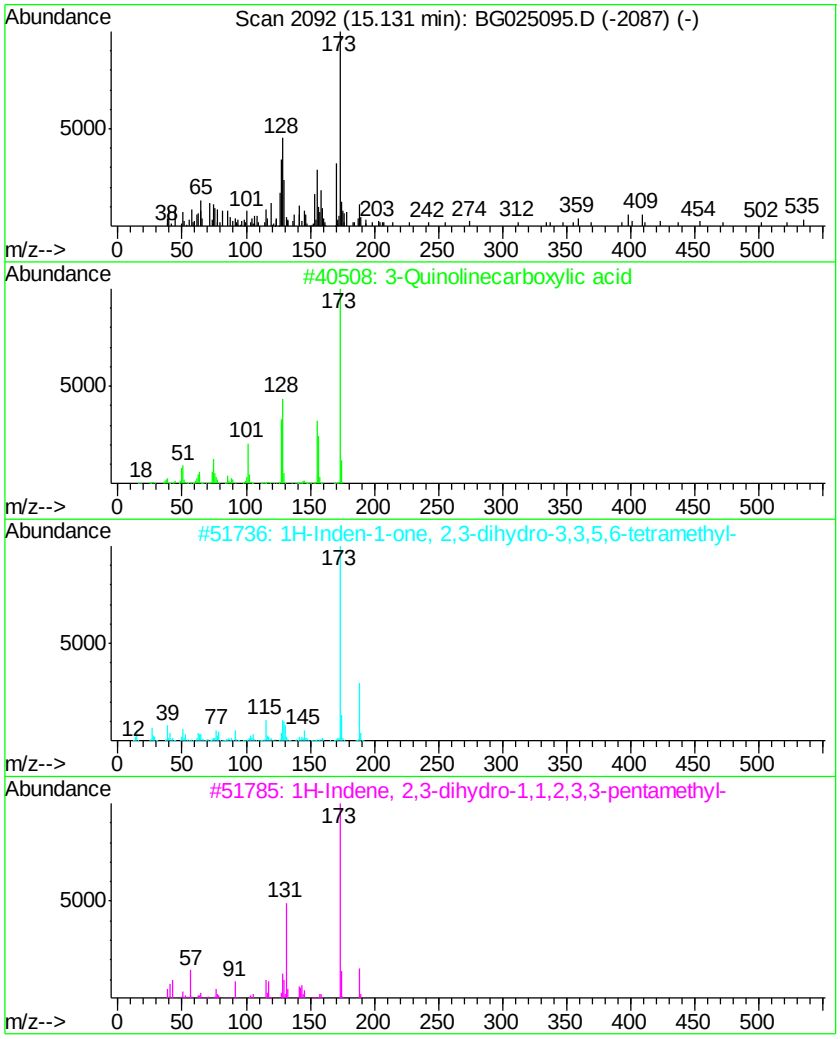
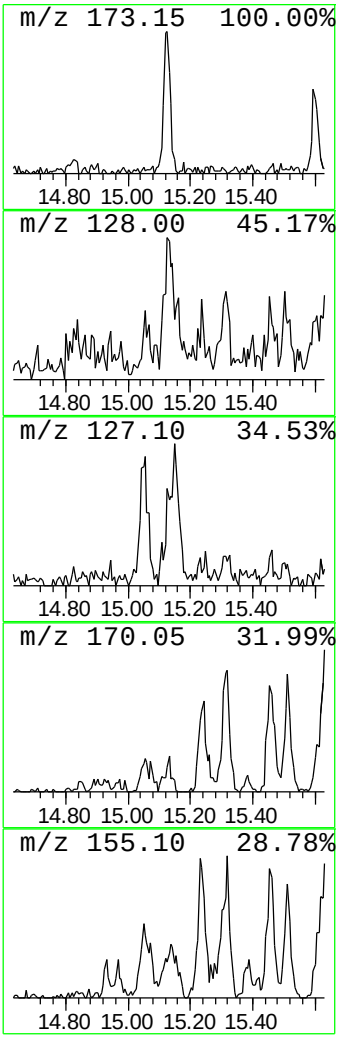
Peak Number 9 3-Quinolinecarboxylic acid Concentration Rank 26

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.13	2.46 ng/ul	192990	Acenaphthene-d10	14.86

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-Quinolinecarboxylic acid	173	C10H7NO2	006480-68-8	64
2	1H-Inden-1-one, 2,3-dihydro-3,3,...	188	C13H16O	054789-22-9	58
3	1H-Indene, 2,3-dihydro-1,1,2,3,3...	188	C14H20	001203-17-4	52
4	1H-Inden-1-one, 2,3-dihydro-3,3,...	188	C13H16O	054789-23-0	50
5	Naphthalene, 6-(1,1-dimethylethy...	188	C14H20	042044-26-8	49





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Misc :
ALS Vial : 30 Sample Multiplier: 1

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ClientSampleId : DA812

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Quant Title : SVOA CALIBRATION

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

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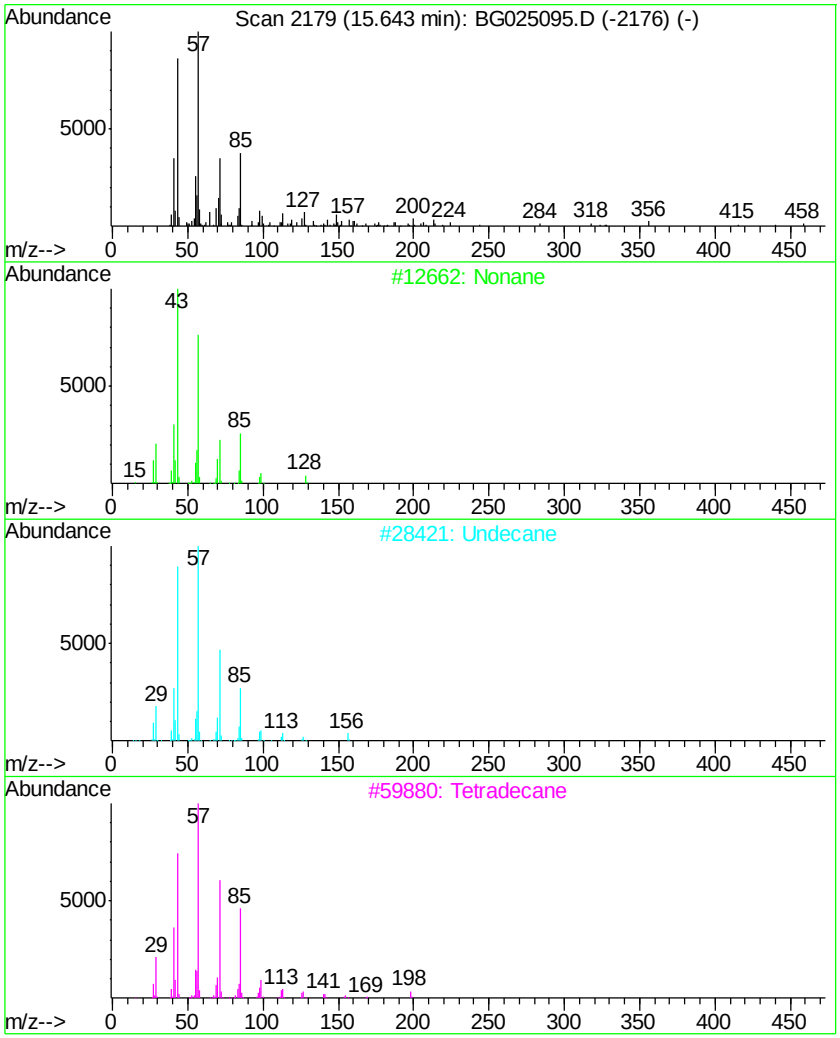
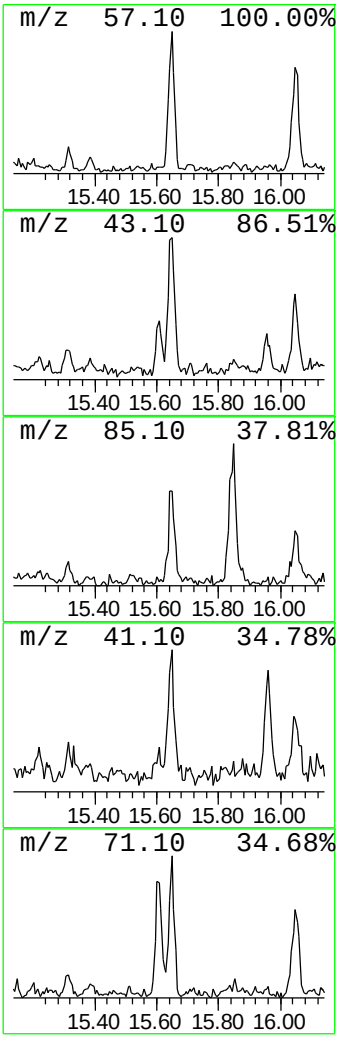
Peak Number 10 (DEL) Alkane: Straight-Chai... Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.64	3.84 ng/ul	301203	Acenaphthene-d10	14.86

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Nonane	128	C9H20	000111-84-2	64
2	Undecane	156	C11H24	001120-21-4	64
3	Tetradecane	198	C14H30	000629-59-4	59
4	Undecane, 2,4-dimethyl-	184	C13H28	017312-80-0	53
5	Tridecane, 2,5-dimethyl-	212	C15H32	056292-66-1	53





Library Search Compound Report

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Sample : H5905-12
Misc :
ALS Vial : 30 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : DA812

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG113016.M
Quant Title : SVOA CALIBRATION

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

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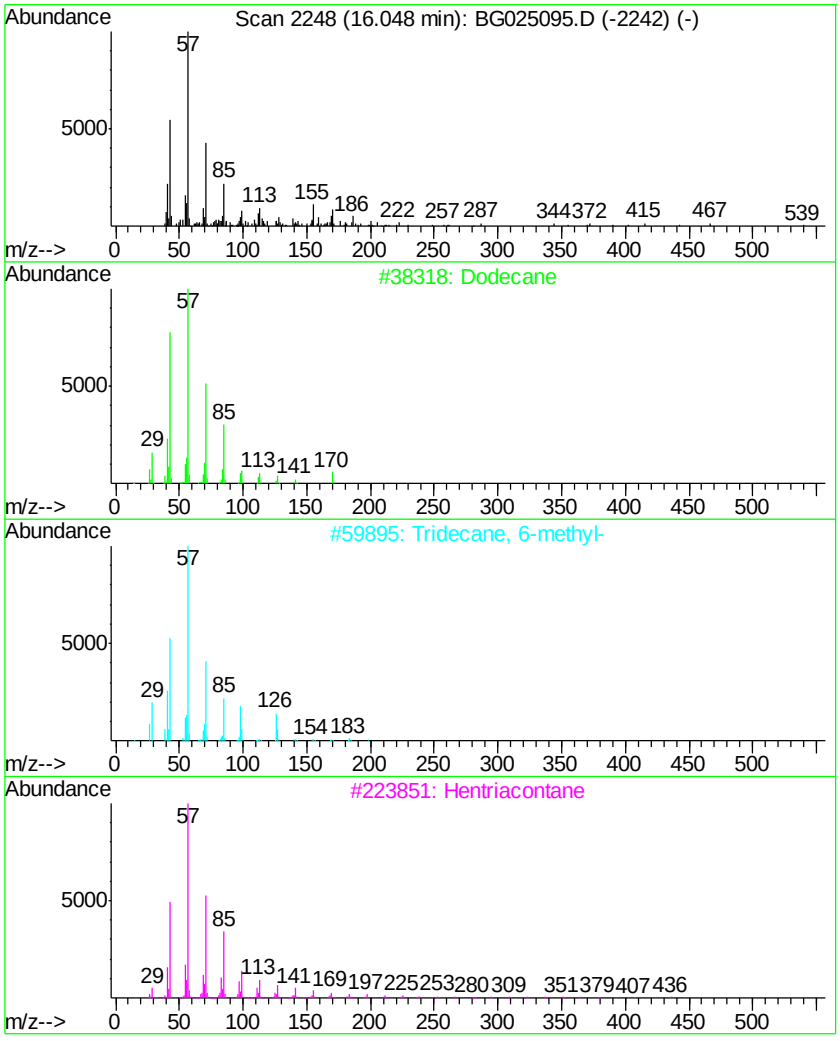
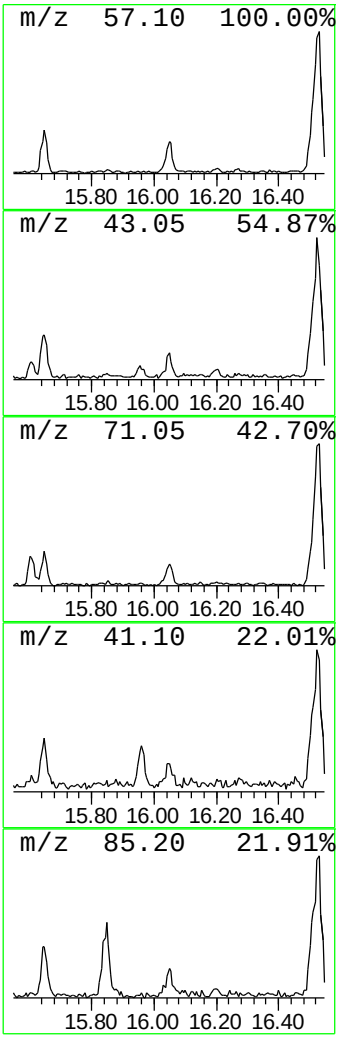
Peak Number 11 (DEL) Alkane: Straight-Chai... Concentration Rank 27

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.05	2.36 ng/ul	185281	Acenaphthene-d10	14.86

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dodecane	170	C12H26	000112-40-3	68
2	Tridecane, 6-methyl-	198	C14H30	013287-21-3	64
3	Hentriacontane	437	C31H64	000630-04-6	59
4	Pentadecane, 2,6,10-trimethyl-	254	C18H38	003892-00-0	59
5	Hexadecane	226	C16H34	000544-76-3	53





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Misc :
ALS Vial : 30 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : DA812

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG113016.M
Quant Title : SVOA CALIBRATION

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

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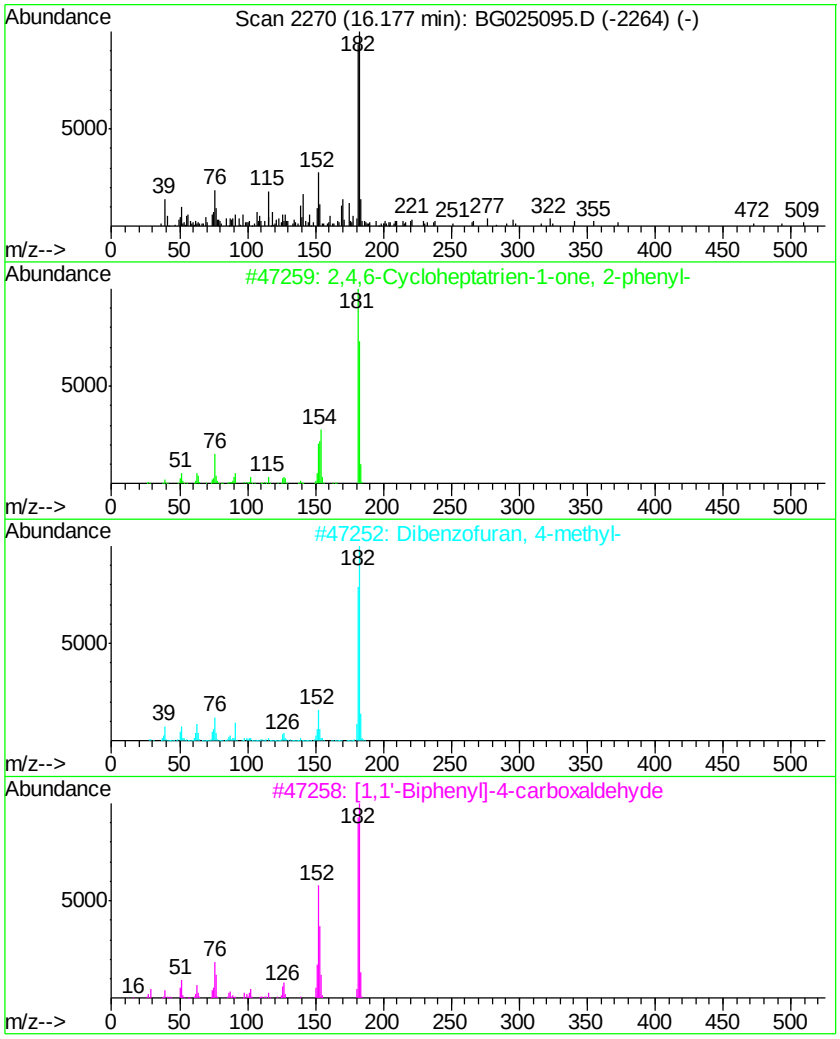
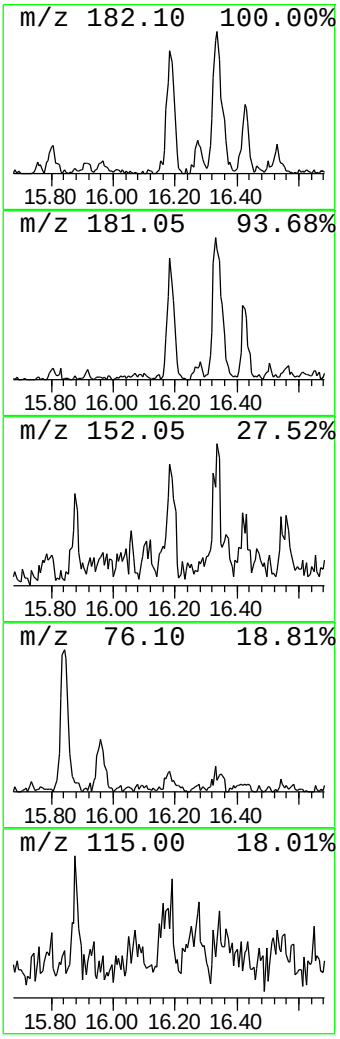
Peak Number 12 2,4,6-Cycloheptatrien-1-one... Concentration Rank 30

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.18	2.25 ng/ul	176148	Acenaphthene-d10	14.86

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2,4,6-Cycloheptatrien-1-one, 2-p...	182	C13H10O	014562-09-5	80
2	Dibenzofuran, 4-methyl-	182	C13H10O	007320-53-8	80
3	[1,1'-Biphenyl]-4-carboxaldehyde	182	C13H10O	003218-36-8	78
4	3-(1-Naphthyl)acrylaldehyde	182	C13H10O	001504-73-0	72
5	9H-Fluoren-9-ol	182	C13H10O	001689-64-1	72





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Sample : H5905-12
Misc :
ALS Vial : 30 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : DA812

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG113016.M
Quant Title : SVOA CALIBRATION

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

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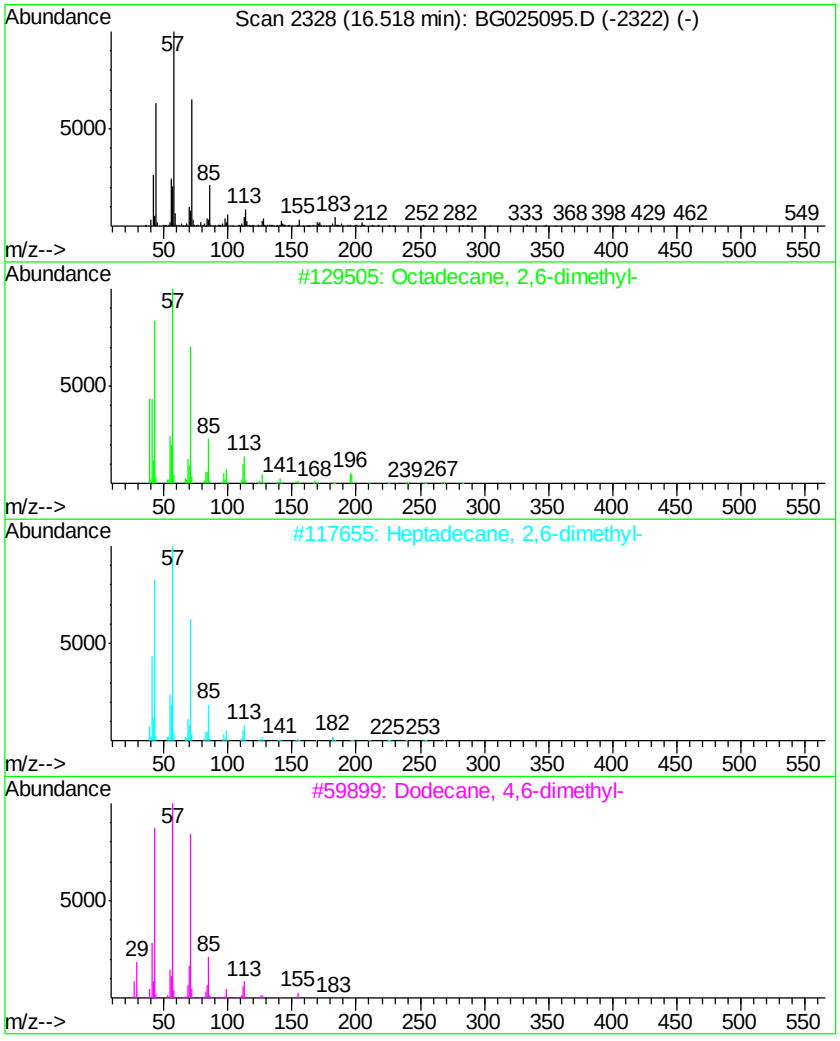
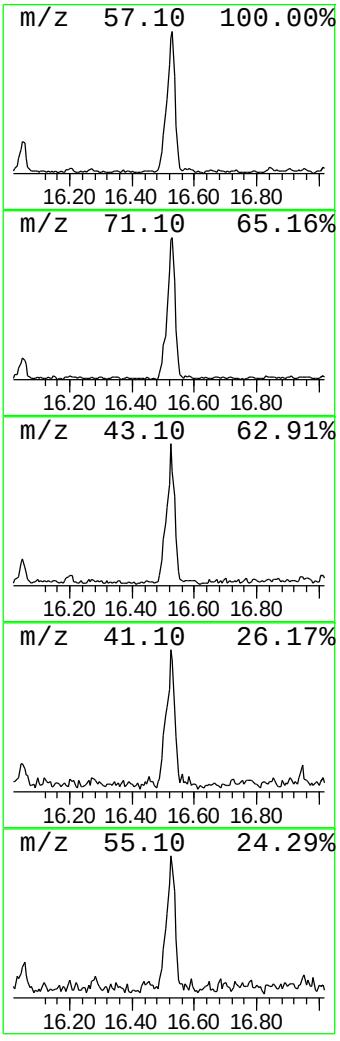
Peak Number 13 (DEL) Alkane: Straight-Chai... Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.52	10.51 ng/ul	998242	Phenanthrene-d10	17.60

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Octadecane, 2,6-dimethyl-	282	C20H42	075163-97-2	86
2	Heptadecane, 2,6-dimethyl-	268	C19H40	054105-67-8	72
3	Dodecane, 4,6-dimethyl-	198	C14H30	061141-72-8	70
4	Undecane, 6-ethyl-	184	C13H28	017312-60-6	70
5	Octane, 3,6-dimethyl-	142	C10H22	015869-94-0	62





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Sample : H5905-12
Misc :
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Instrument : BNA_G
ClientSampleId : DA812

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Quant Title : SVOA CALIBRATION

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

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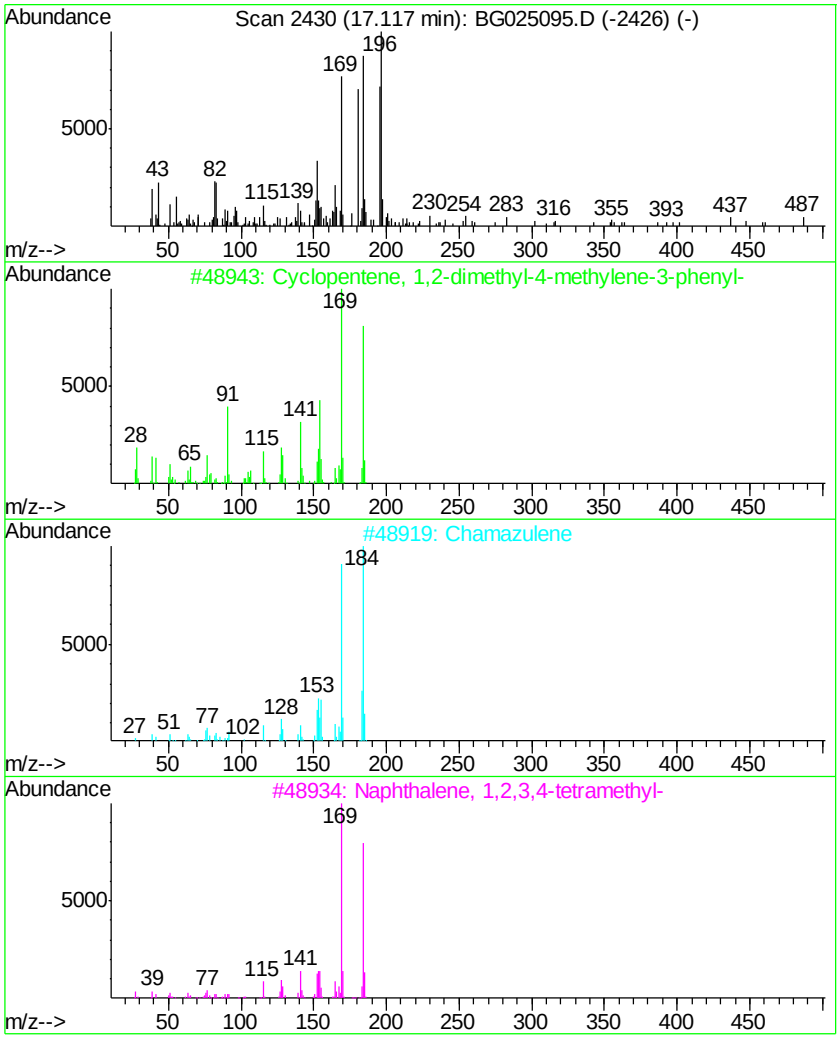
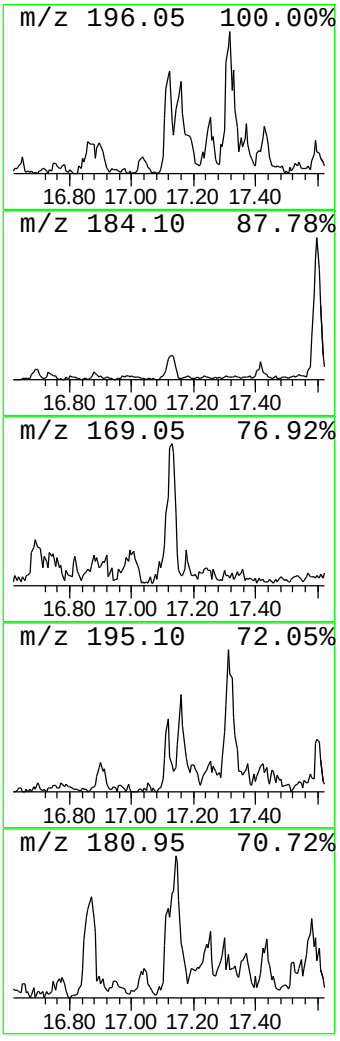
Peak Number 14 Cyclopentene, 1,2-dimethyl-... Concentration Rank 23

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.12	2.58 ng/ul	244878	Phenanthrene-d10	17.60

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopentene, 1,2-dimethyl-4-met...	184	C14H16	1000152-22-4	50
2	Chamazulene	184	C14H16	000529-05-5	43
3	Naphthalene, 1,2,3,4-tetramethyl-	184	C14H16	003031-15-0	43
4	Benzene, (4,5,5-trimethyl-1,3-cy...	184	C14H16	033930-85-7	42
5	[1,1'-Biphenyl]-4-methanol	184	C13H12O	003597-91-9	35





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Instrument : BNA_G
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Quant Title : SVOA CALIBRATION

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

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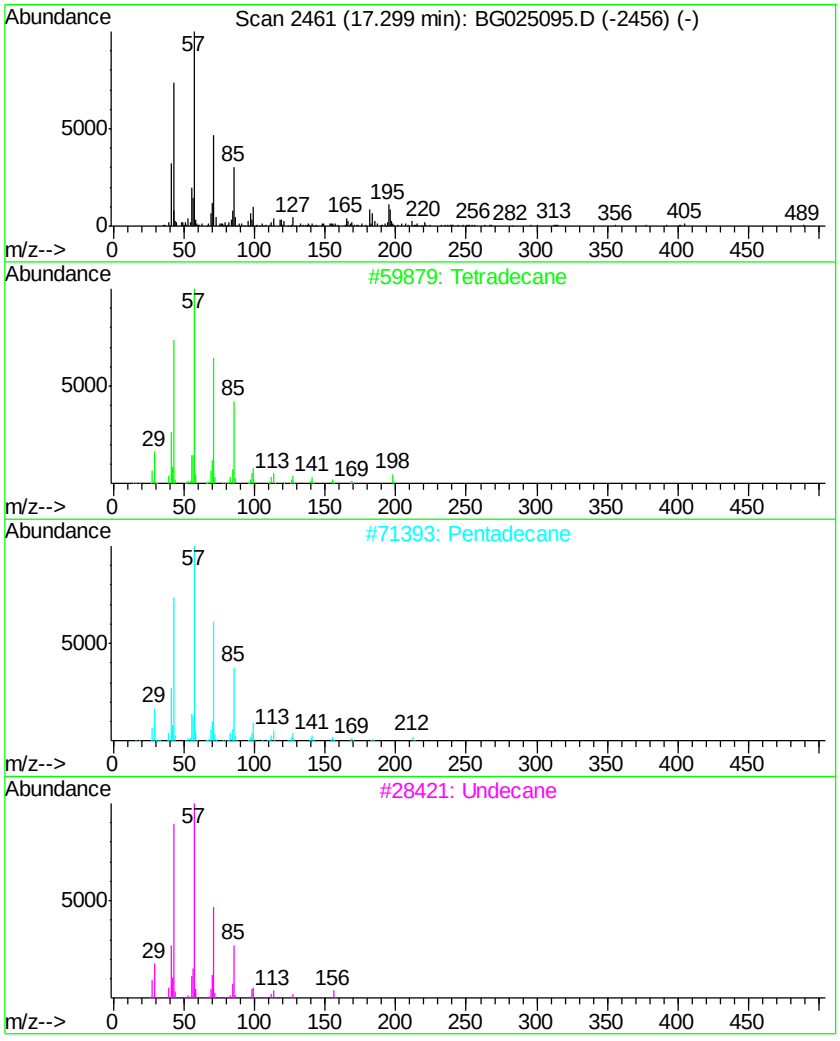
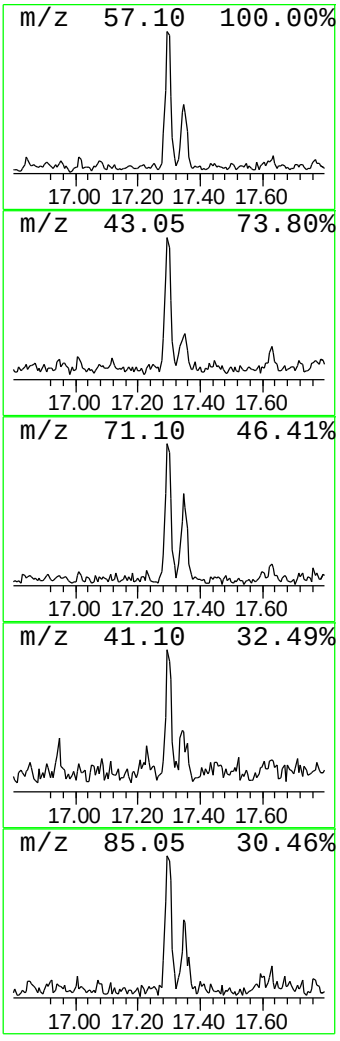
Peak Number 15 (DEL) Alkane: Straight-Chai... Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.30	2.91 ng/ul	276571	Phenanthrene-d10	17.60

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Tetradecane	198	C14H30	000629-59-4	76
2	Pentadecane	212	C15H32	000629-62-9	68
3	Undecane	156	C11H24	001120-21-4	68
4	Pentadecane	212	C15H32	000629-62-9	64
5	Hexadecane, 2-methyl-	240	C17H36	001560-92-5	62





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Instrument : BNA_G
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Quant Title : SVOA CALIBRATION

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

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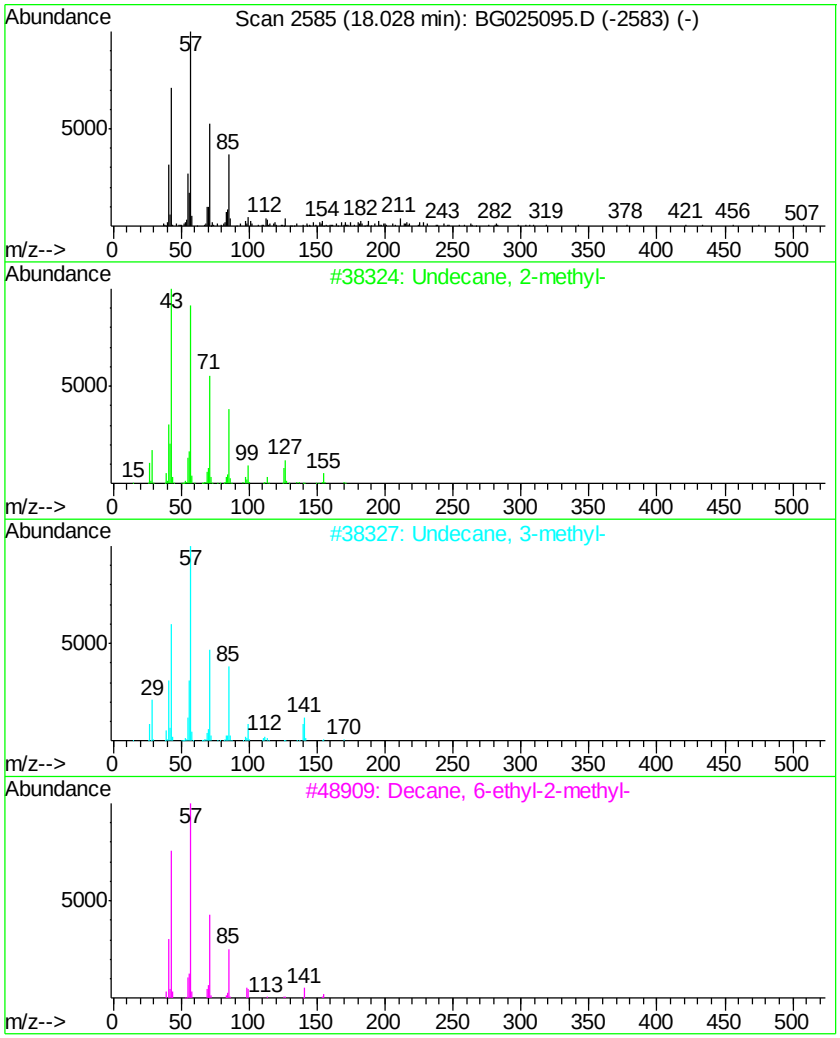
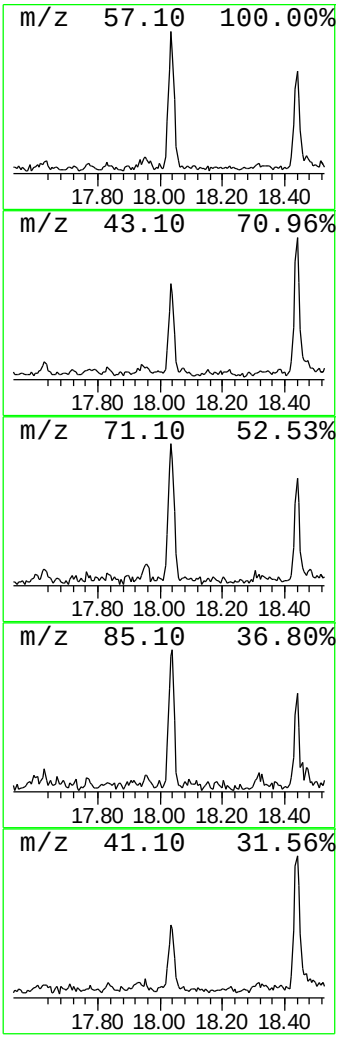
Peak Number 16 (DEL) Alkane: Straight-Chai... Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.03	3.96 ng/ul	376663	Phenanthrene-d10	17.60

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Undecane, 2-methyl-	170	C12H26	007045-71-8	74
2	Undecane, 3-methyl-	170	C12H26	001002-43-3	74
3	Decane, 6-ethyl-2-methyl-	184	C13H28	062108-21-8	72
4	Hexadecane	226	C16H34	000544-76-3	72
5	Nonadecane	268	C19H40	000629-92-5	64





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Sample : H5905-12
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ALS Vial : 30 Sample Multiplier: 1

Instrument : BNA_G
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Quant Title : SVOA CALIBRATION

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

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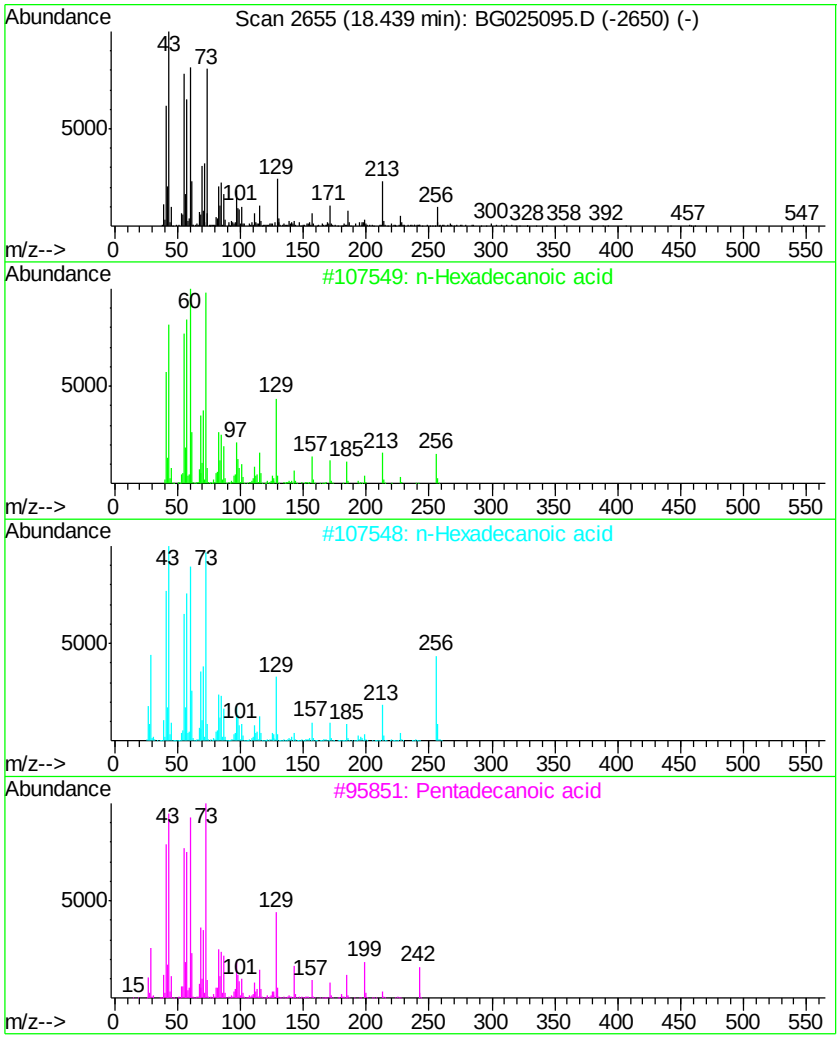
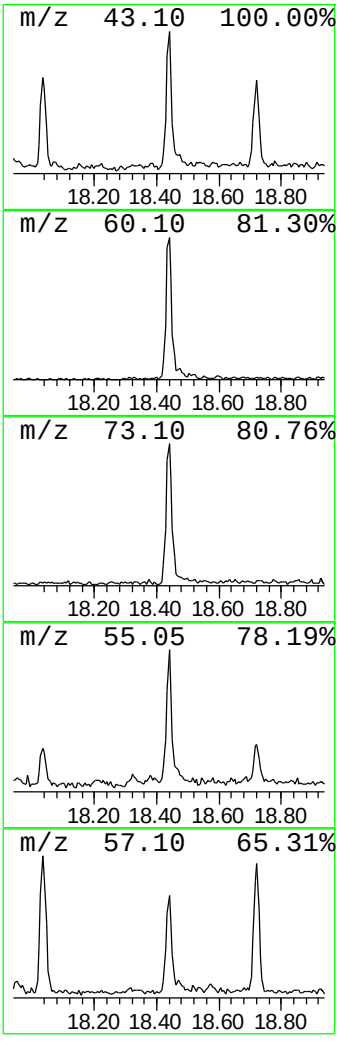
Peak Number 17 n-Hexadecanoic acid Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.44	9.68 ng/ul	919744	Phenanthrene-d10	17.60

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	n-Hexadecanoic acid	256	C16H32O2	000057-10-3	98
2	n-Hexadecanoic acid	256	C16H32O2	000057-10-3	97
3	Pentadecanoic acid	242	C15H30O2	001002-84-2	86
4	Pentadecanoic acid	242	C15H30O2	001002-84-2	76
5	Tridecanoic acid	214	C13H26O2	000638-53-9	76





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Sample : H5905-12
Misc :
ALS Vial : 30 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : DA812

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Quant Title : SVOA CALIBRATION

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

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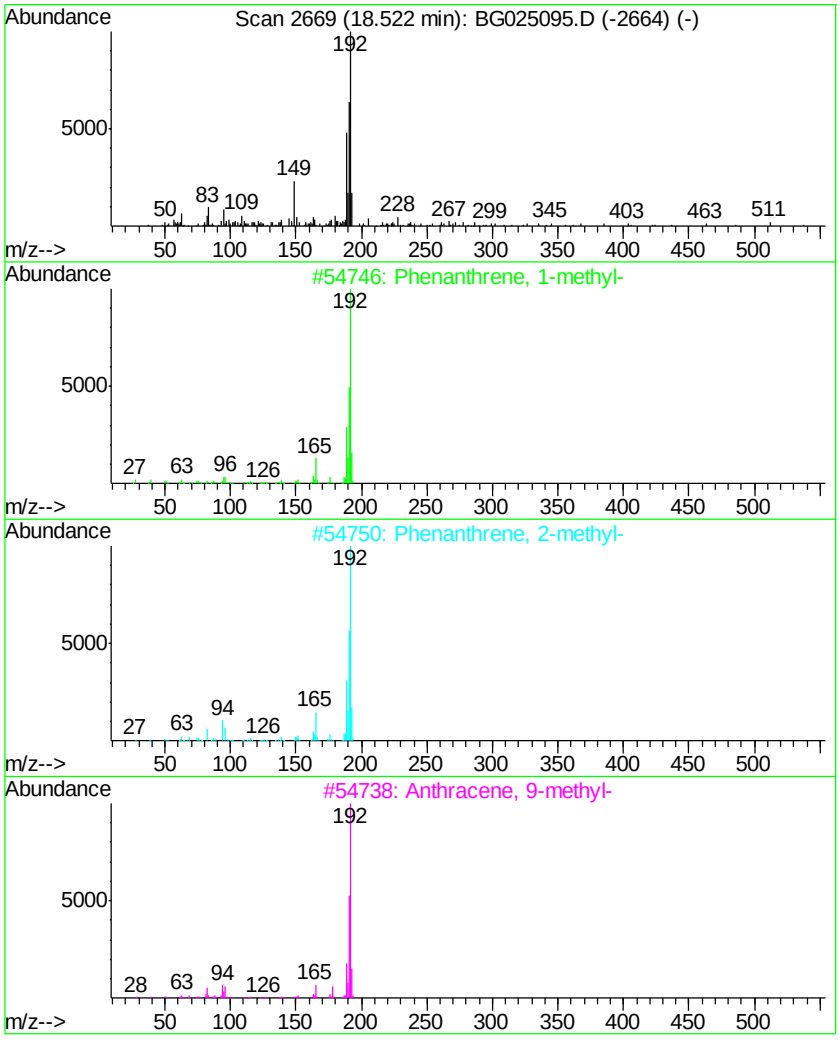
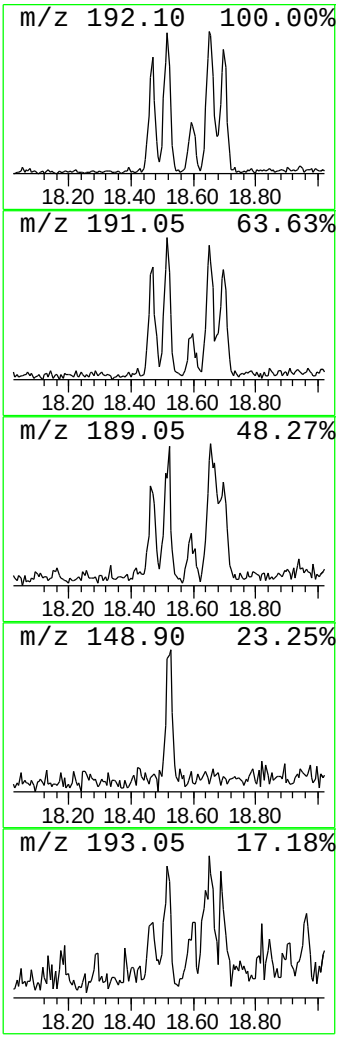
Peak Number 18 Phenanthrene, 1-methyl- Concentration Rank 29

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.52	2.25 ng/ul	214006	Phenanthrene-d10	17.60

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	94
2	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	90
3	Anthracene, 9-methyl-	192	C15H12	000779-02-2	90
4	5H-Dibenzo[a,d]cycloheptene	192	C15H12	000256-81-5	89
5	1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	89





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Data File : BG025095.D
Acq On : 11 Dec 2016 9:00
Operator : UM/SJ
Sample : H5905-12
Misc :
ALS Vial : 30 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : DA812

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG113016.M
Quant Title : SVOA CALIBRATION

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

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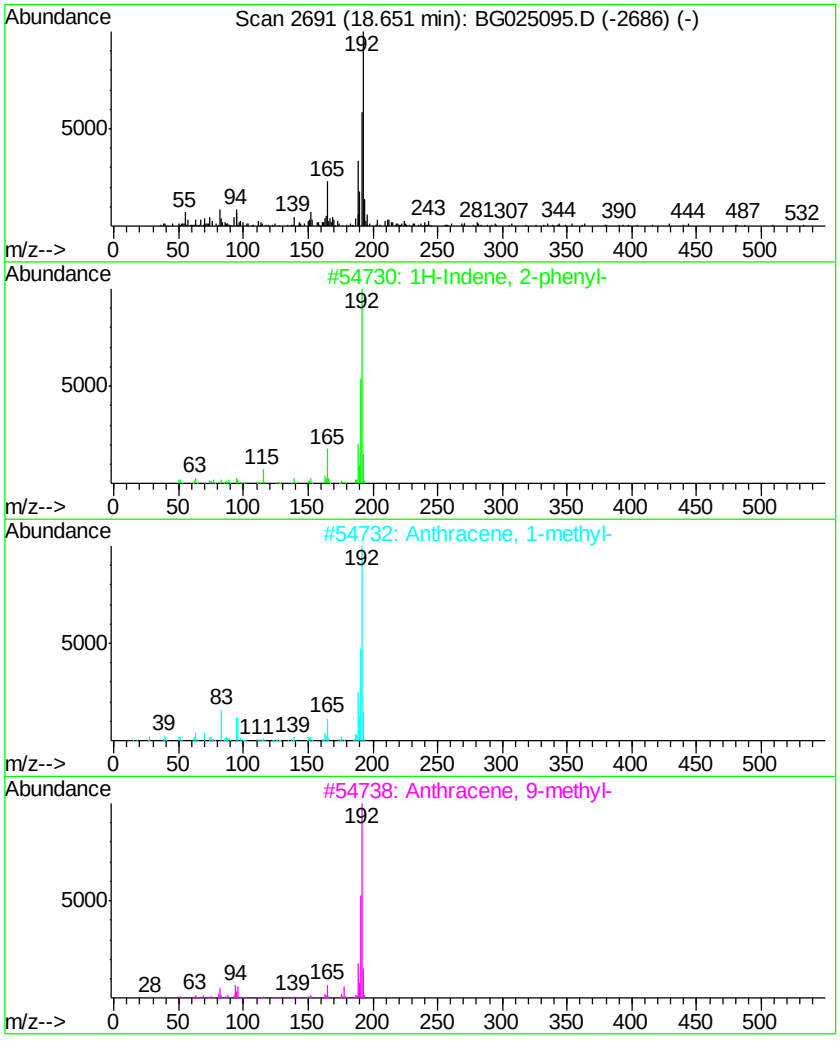
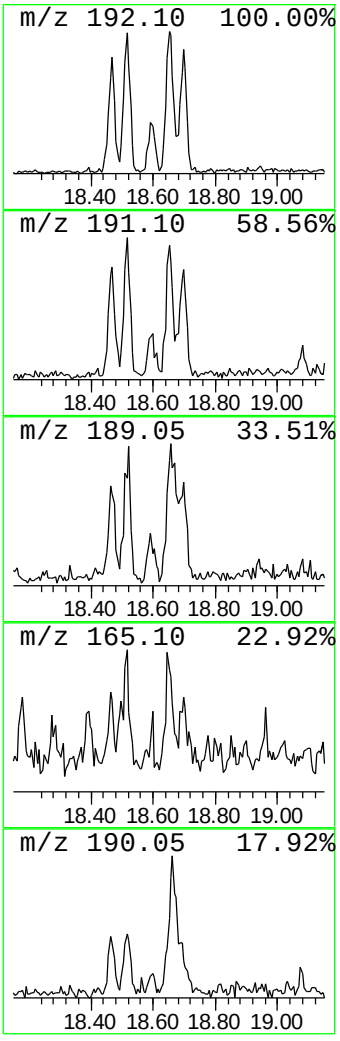
Peak Number 19 1H-Indene, 2-phenyl- Concentration Rank 24

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.65	2.52 ng/ul	239398	Phenanthrene-d10	17.60

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	81
2	Anthracene, 1-methyl-	192	C15H12	000610-48-0	81
3	Anthracene, 9-methyl-	192	C15H12	000779-02-2	81
4	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	81
5	1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	81





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Operator : UM/SJ
Sample : H5905-12
Misc :
ALS Vial : 30 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : DA812

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG113016.M
Quant Title : SVOA CALIBRATION

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

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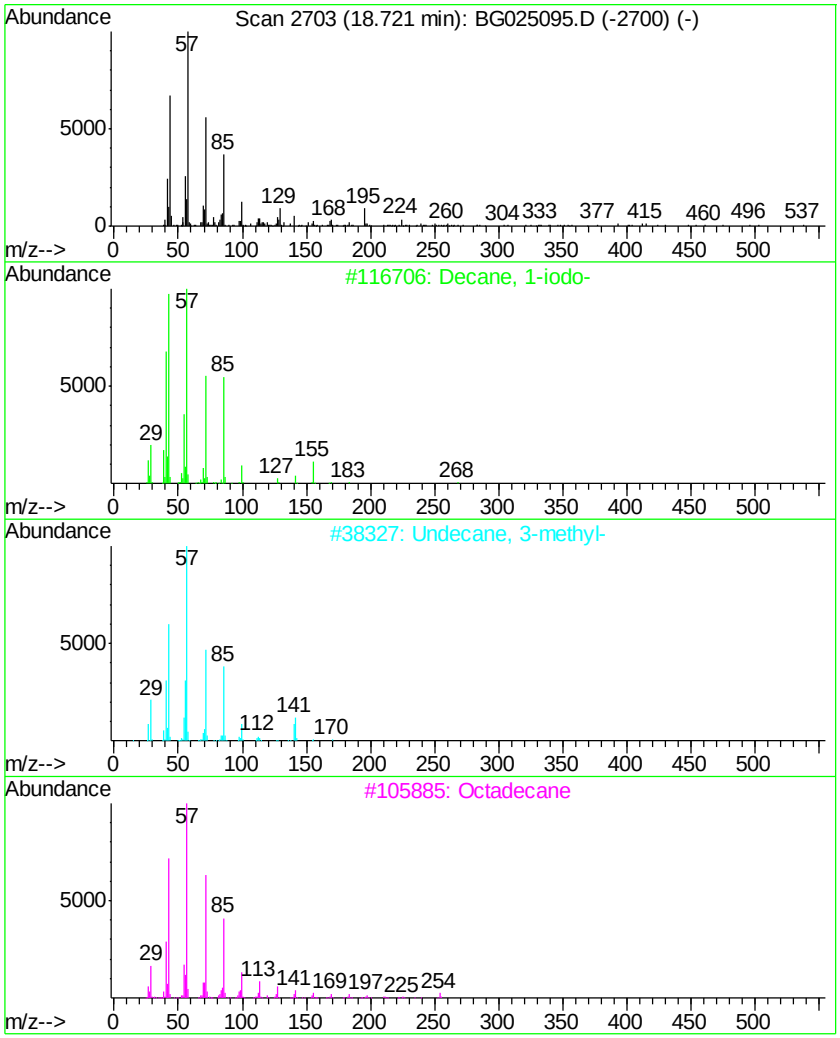
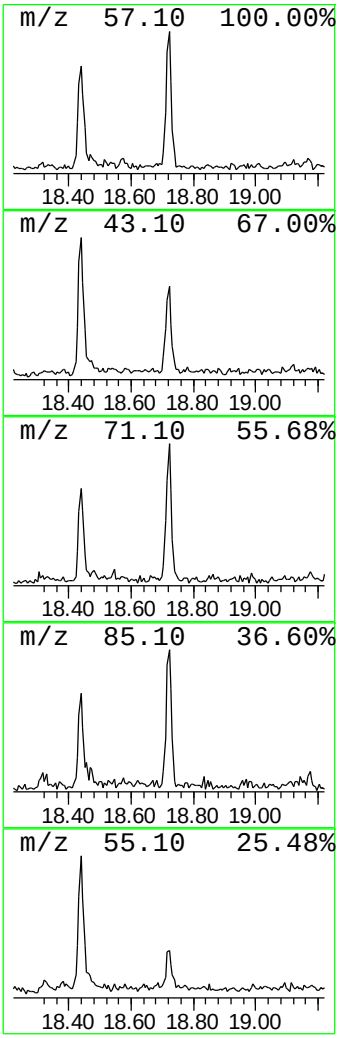
Peak Number 20 Decane, 1-iodo- Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.72	2.89 ng/ul	274610	Phenanthrene-d10	17.60

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Decane, 1-iodo-	268	C10H21I	002050-77-3	58
2	Undecane, 3-methyl-	170	C12H26	001002-43-3	52
3	Octadecane	254	C18H38	000593-45-3	52
4	Nonadecane	268	C19H40	000629-92-5	52
5	Eicosane	282	C20H42	000112-95-8	52





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Sample : H5905-12
Misc :
ALS Vial : 30 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : DA812

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Quant Title : SVOA CALIBRATION

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

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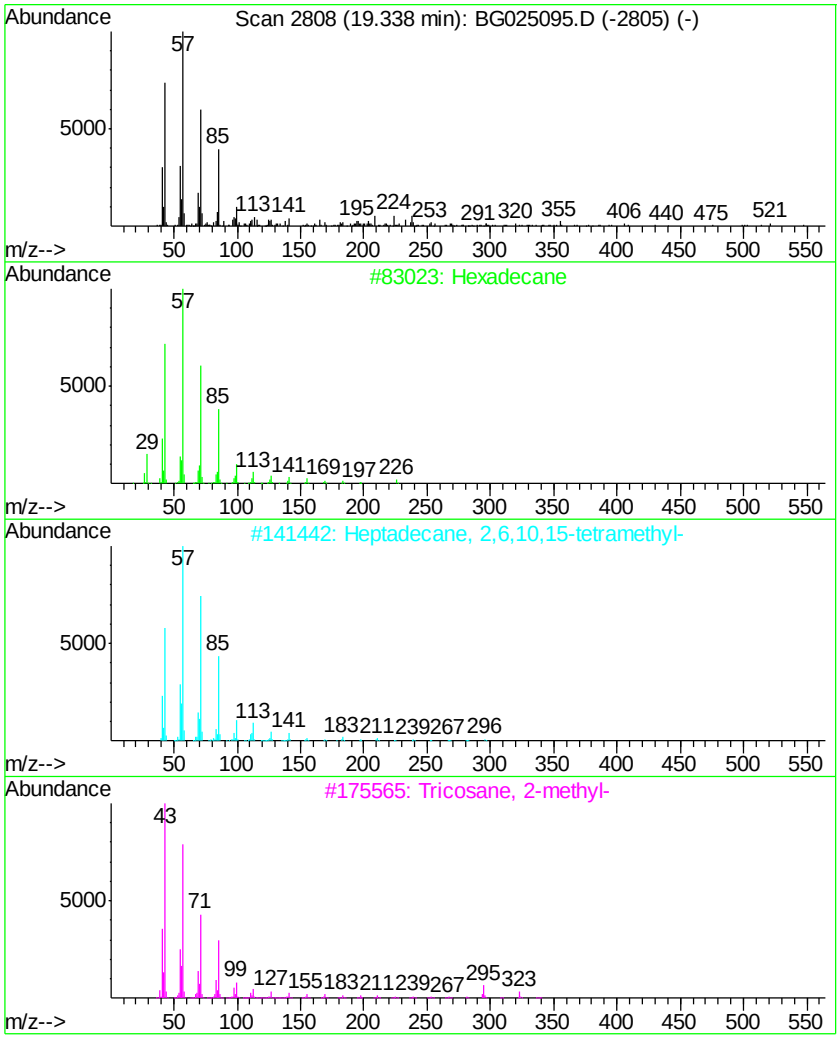
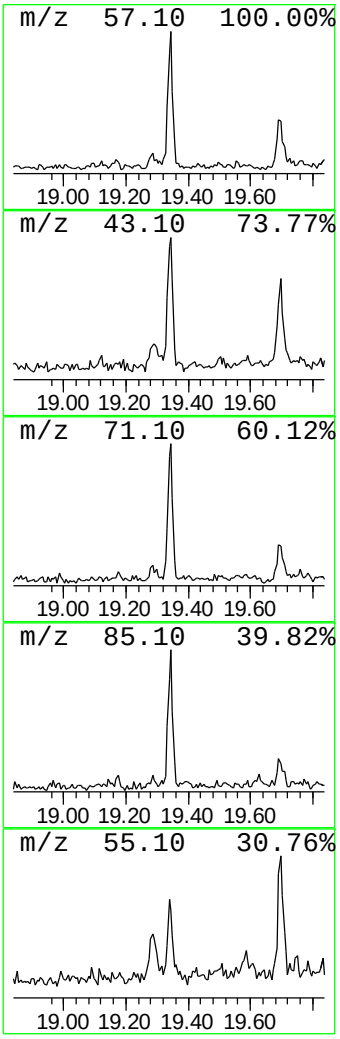
Peak Number 21 (DEL) Alkane: Straight-Chai... Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.34	4.26 ng/ul	404762	Phenanthrene-d10	17.60

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexadecane	226	C16H34	000544-76-3	90
2	Heptadecane, 2,6,10,15-tetramethyl-	296	C21H44	054833-48-6	81
3	Tricosane, 2-methyl-	338	C24H50	001928-30-9	81
4	Hexadecane	226	C16H34	000544-76-3	81
5	Pentadecane	212	C15H32	000629-62-9	72





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Operator : UM/SJ
Sample : H5905-12
Misc :
ALS Vial : 30 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : DA812

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG113016.M
Quant Title : SVOA CALIBRATION

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

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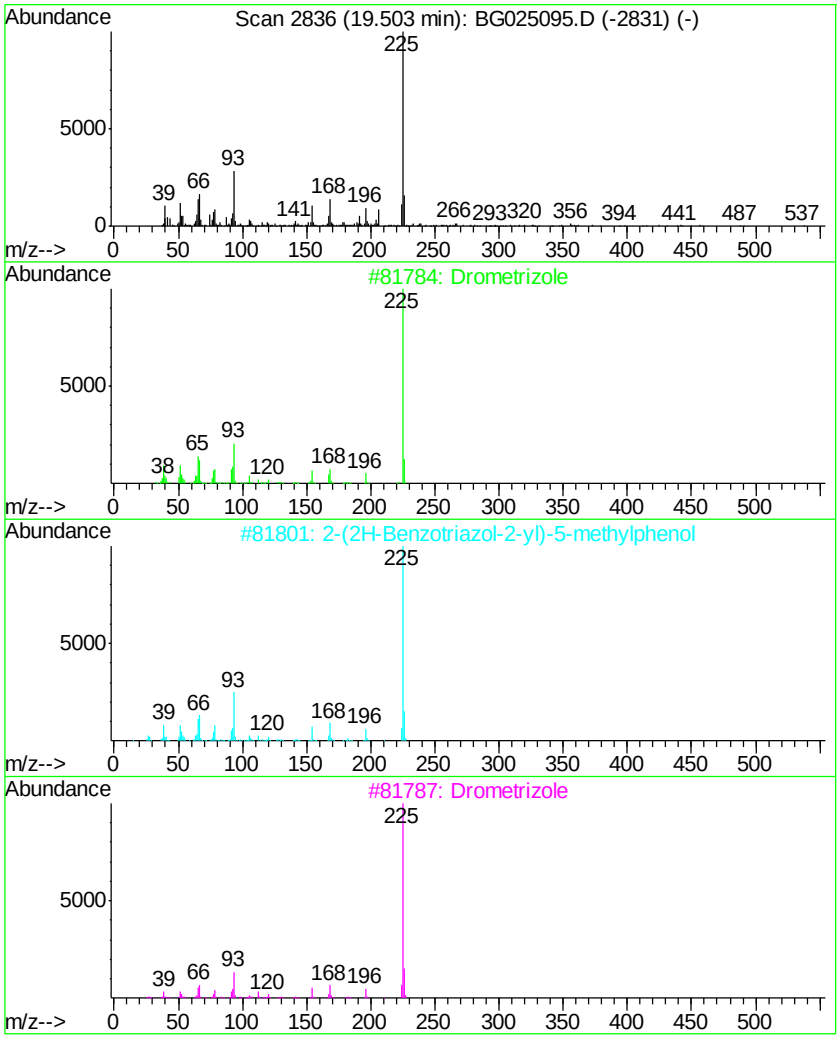
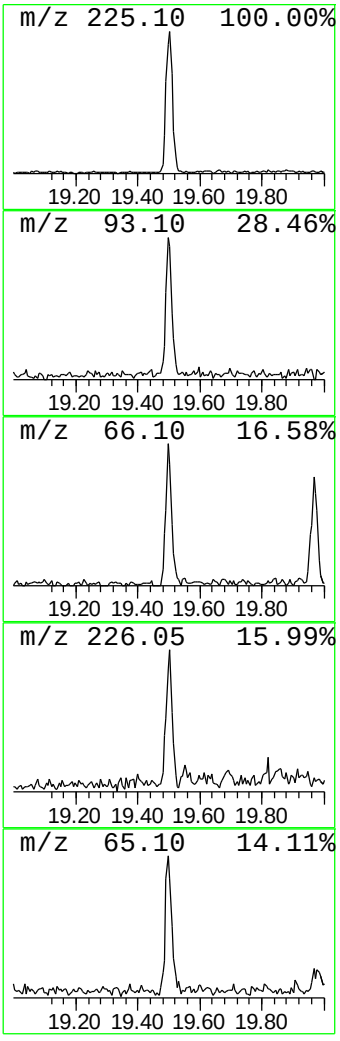
Peak Number 22 Drometrizole Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.50	5.40 ng/ul	512642	Phenanthrene-d10	17.60

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Drometrizole	225	C13H11N3O	002440-22-4	94
2	2-(2H-Benzotriazol-2-yl)-5-methy...	225	C13H11N3O	004998-48-5	94
3	Drometrizole	225	C13H11N3O	002440-22-4	94
4	Drometrizole	225	C13H11N3O	002440-22-4	94
5	Drometrizole	225	C13H11N3O	002440-22-4	94





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Sample : H5905-12
Misc :
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Instrument : BNA_G
ClientSampleId : DA812

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Quant Title : SVOA CALIBRATION

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

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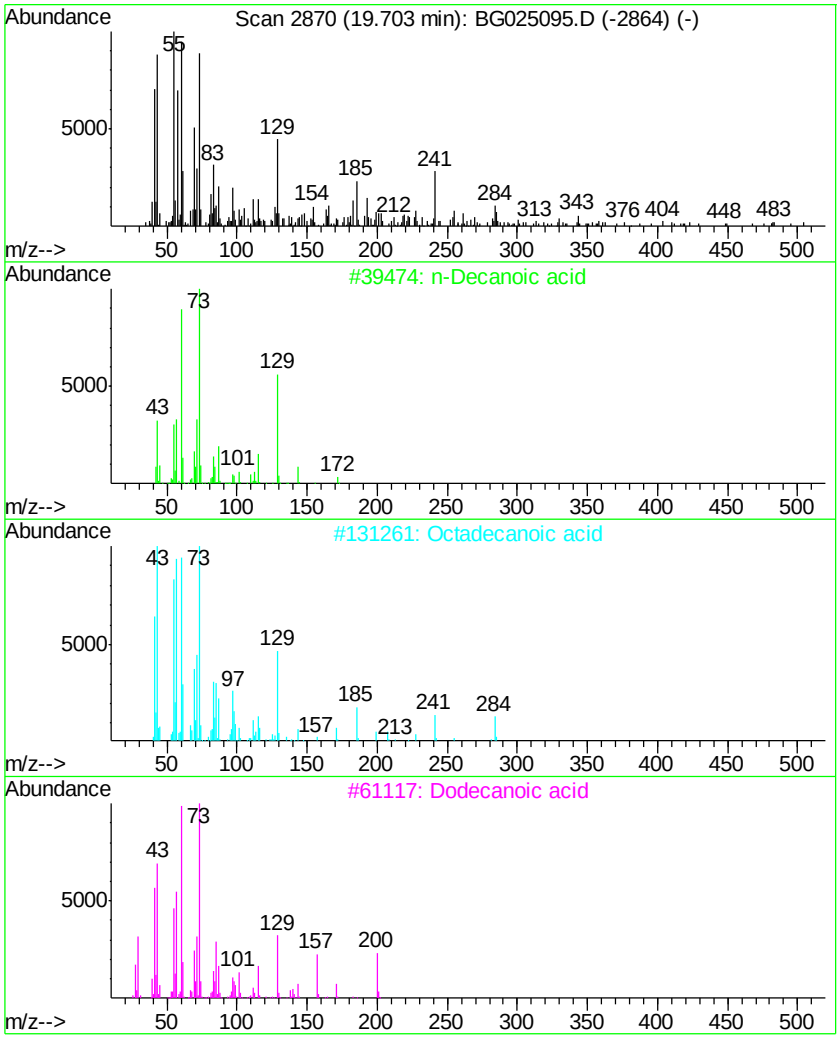
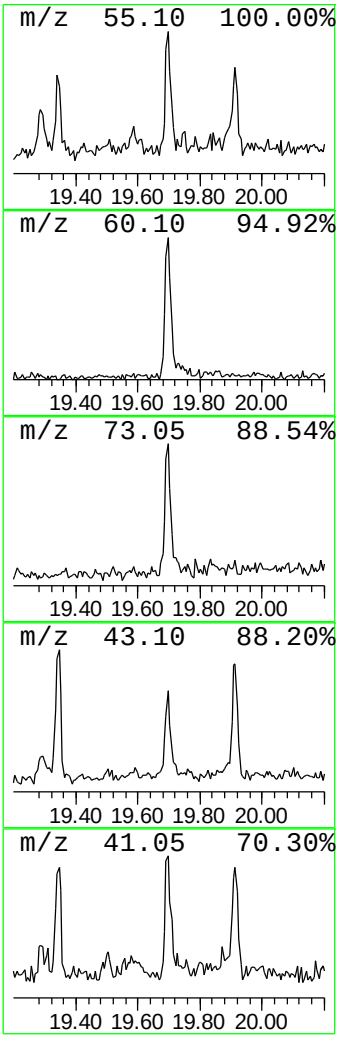
Peak Number 23 n-Decanoic acid Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.70	4.10 ng/ul	389395	Phenanthrene-d10	17.60

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	n-Decanoic acid	172	C10H20O2	000334-48-5	70
2	Octadecanoic acid	284	C18H36O2	000057-11-4	70
3	Dodecanoic acid	200	C12H24O2	000143-07-7	62
4	Dodecanoic acid	200	C12H24O2	000143-07-7	62
5	n-Decanoic acid	172	C10H20O2	000334-48-5	60





Library Search Compound Report

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Acq On : 11 Dec 2016 9:00
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Sample : H5905-12
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Instrument : BNA_G
ClientSampleId : DA812

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Quant Title : SVOA CALIBRATION

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

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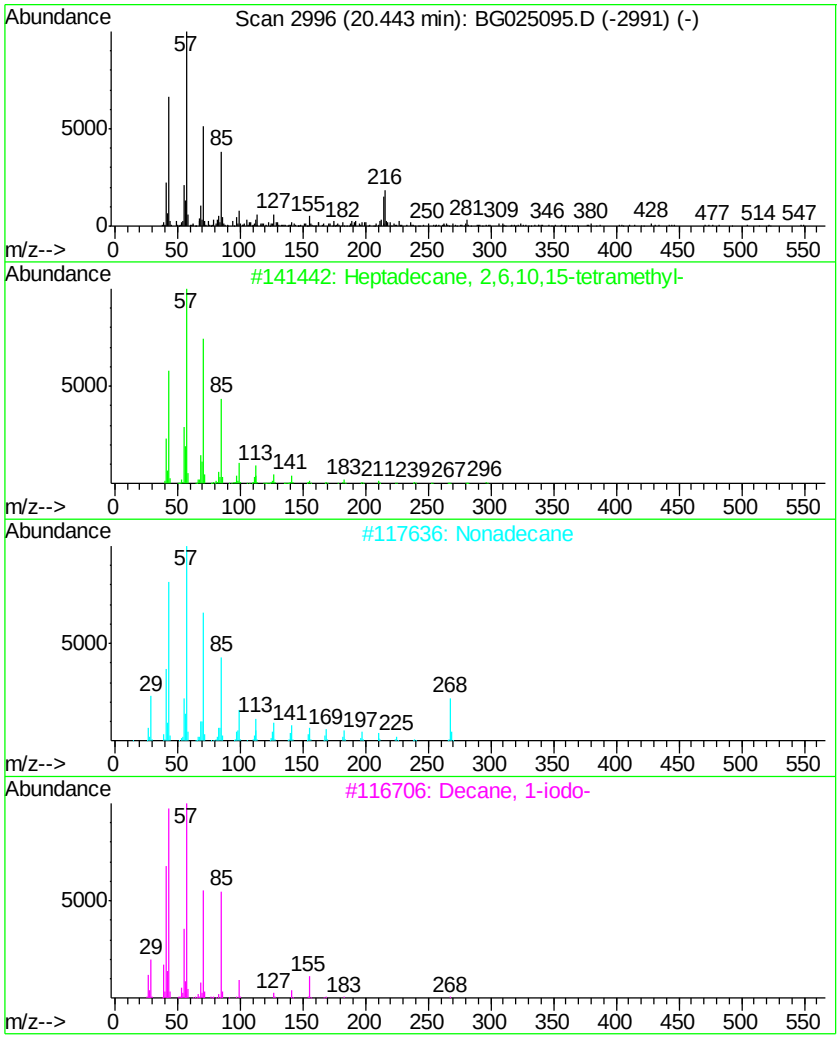
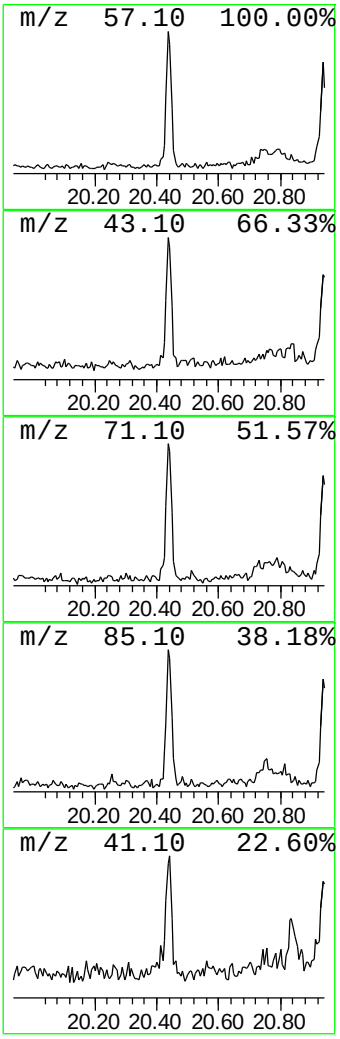
Peak Number 24 (DEL) Alkane: Straight-Chai... Concentration Rank 25

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.44	2.48 ng/ul	363439	Chrysene-d12	21.89

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heptadecane, 2,6,10,15-tetramethyl-	296	C21H44	054833-48-6	86
2	Nonadecane	268	C19H40	000629-92-5	74
3	Decane, 1-iodo-	268	C10H21I	002050-77-3	74
4	Tetradecane	198	C14H30	000629-59-4	74
5	Tridecane, 1-iodo-	310	C13H27I	035599-77-0	72





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Acq On : 11 Dec 2016 9:00
Operator : UM/SJ
Sample : H5905-12
Misc :
ALS Vial : 30 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : DA812

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG113016.M
Quant Title : SVOA CALIBRATION

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

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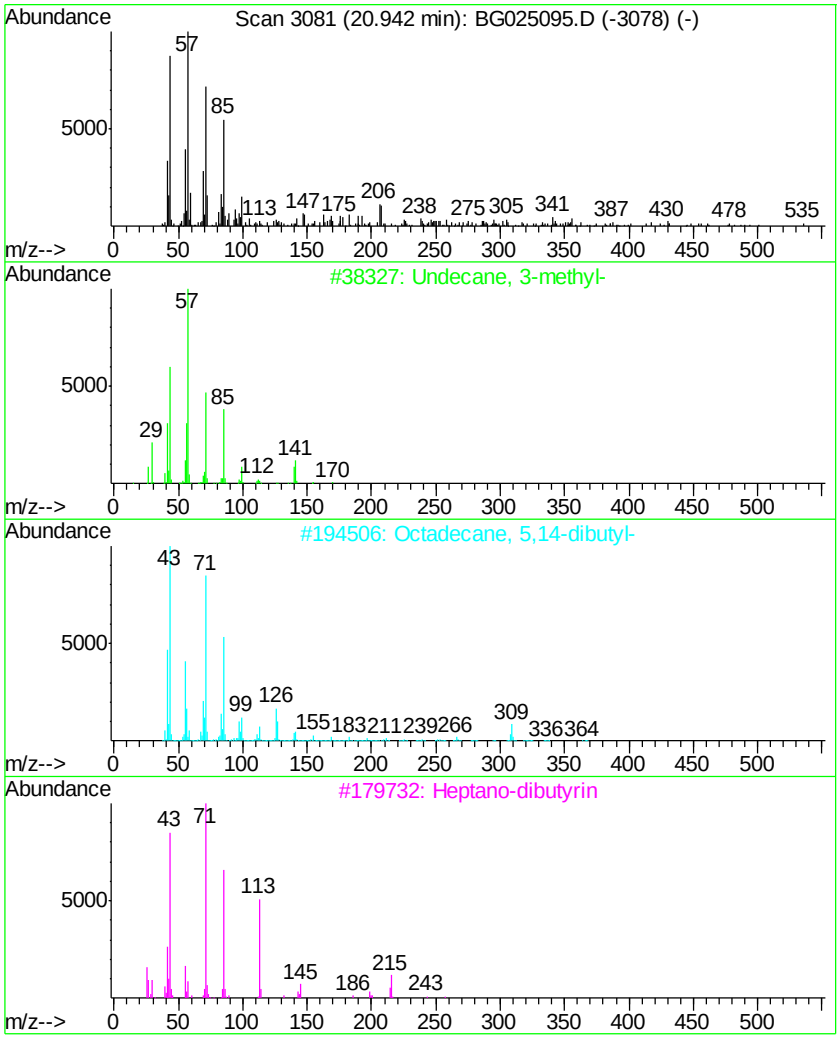
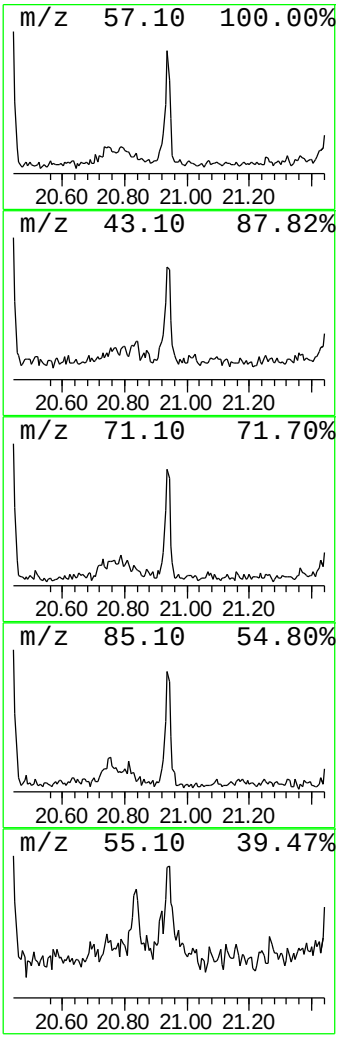
Peak Number 25 (DEL) Alkane: Straight-Chai... Concentration Rank 31

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.94	2.24 ng/ul	329034	Chrysene-d12	21.89

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Undecane, 3-methyl-	170	C12H26	001002-43-3	72
2	Octadecane, 5,14-dibutyl-	366	C26H54	055282-13-8	64
3	Heptano-dibutyrin	344	C18H32O6	065235-13-4	64
4	Dodecane, 2-methyl-6-propyl-	226	C16H34	055045-08-4	64
5	Tetradecane, 1-iodo-	324	C14H29I	019218-94-1	64





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Sample : H5905-12
Misc :
ALS Vial : 30 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : DA812

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG113016.M
Quant Title : SVOA CALIBRATION

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

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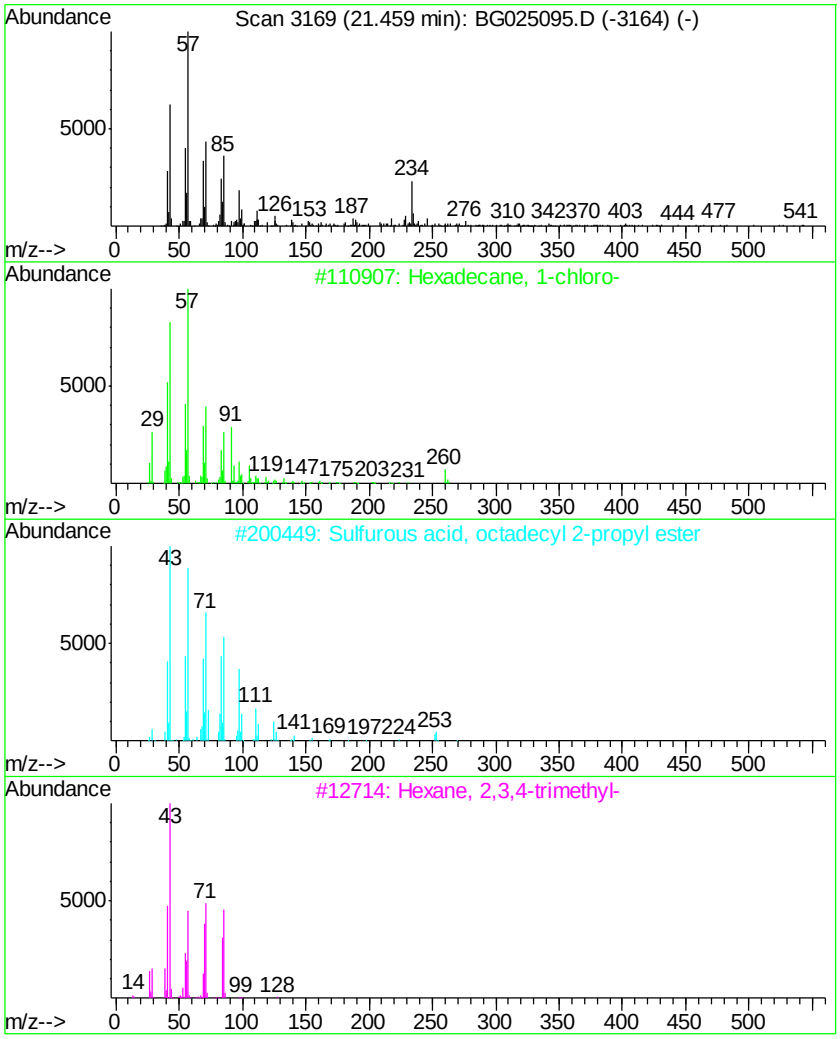
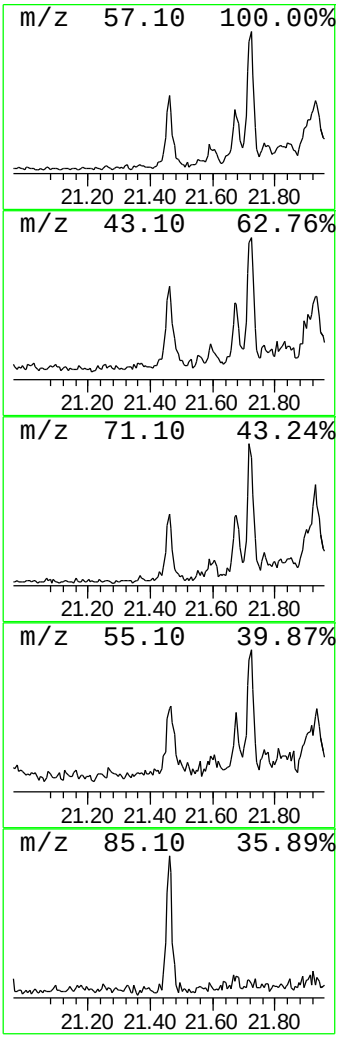
Peak Number 26 Hexadecane, 1-chloro- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.46	5.19 ng/ul	761586	Chrysene-d12	21.89

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexadecane, 1-chloro-	260	C16H33Cl	004860-03-1	60
2	Sulfurous acid, octadecyl 2-prop...	376	C21H44O3S	1000309-12-7	49
3	Hexane, 2,3,4-trimethyl-	128	C9H20	000921-47-1	49
4	Sulfurous acid, 2-propyl tridecy...	306	C16H34O3S	1000309-12-4	47
5	Undecane, 2,7-dimethyl-	184	C13H28	017301-24-5	47





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Sample : H5905-12
Misc :
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Instrument : BNA_G
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Quant Title : SVOA CALIBRATION

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

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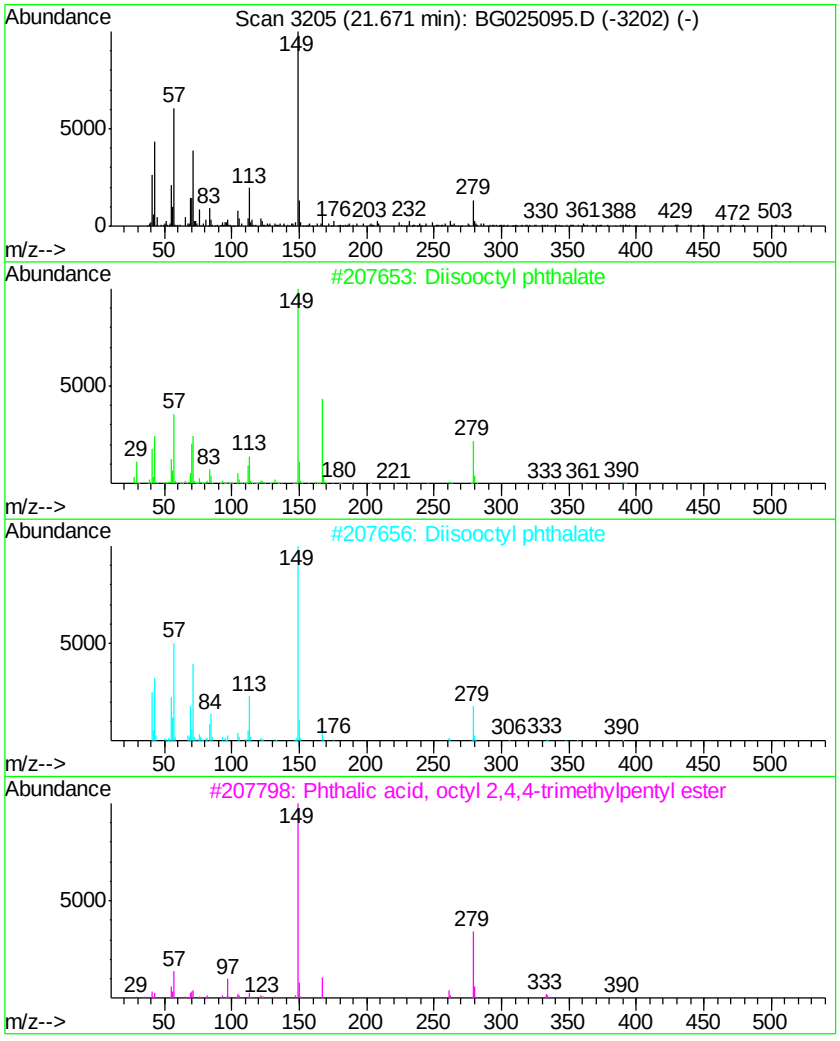
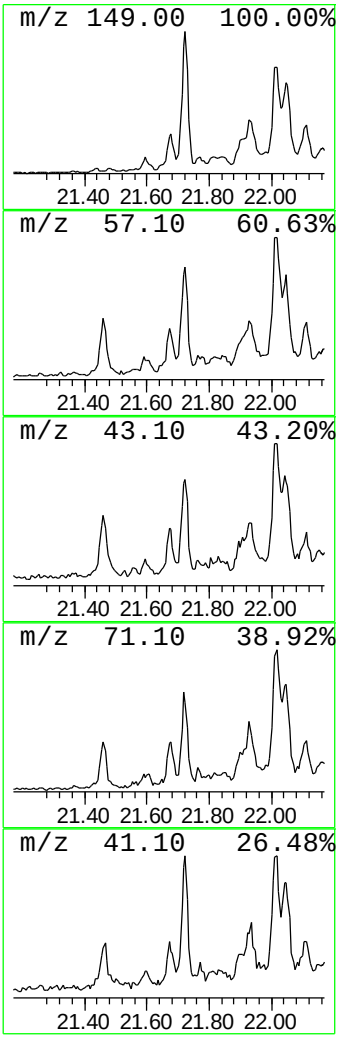
Peak Number 27 Diisooctyl phthalate Concentration Rank 22

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.67	2.61 ng/ul	382541	Chrysene-d12	21.89

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Diisooctyl phthalate	390	C24H38O4	000131-20-4	93
2	Diisooctyl phthalate	390	C24H38O4	000131-20-4	86
3	Phthalic acid, octyl 2,4,4-trime...	390	C24H38O4	1000377-77-4	53
4	Bis(2-ethylhexyl) phthalate	390	C24H38O4	000117-81-7	50
5	1,2-Benzenedicarboxylic acid, bu...	334	C20H30O4	000084-78-6	49





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Sample : H5905-12
Misc :
ALS Vial : 30 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : DA812

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG113016.M
Quant Title : SVOA CALIBRATION

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

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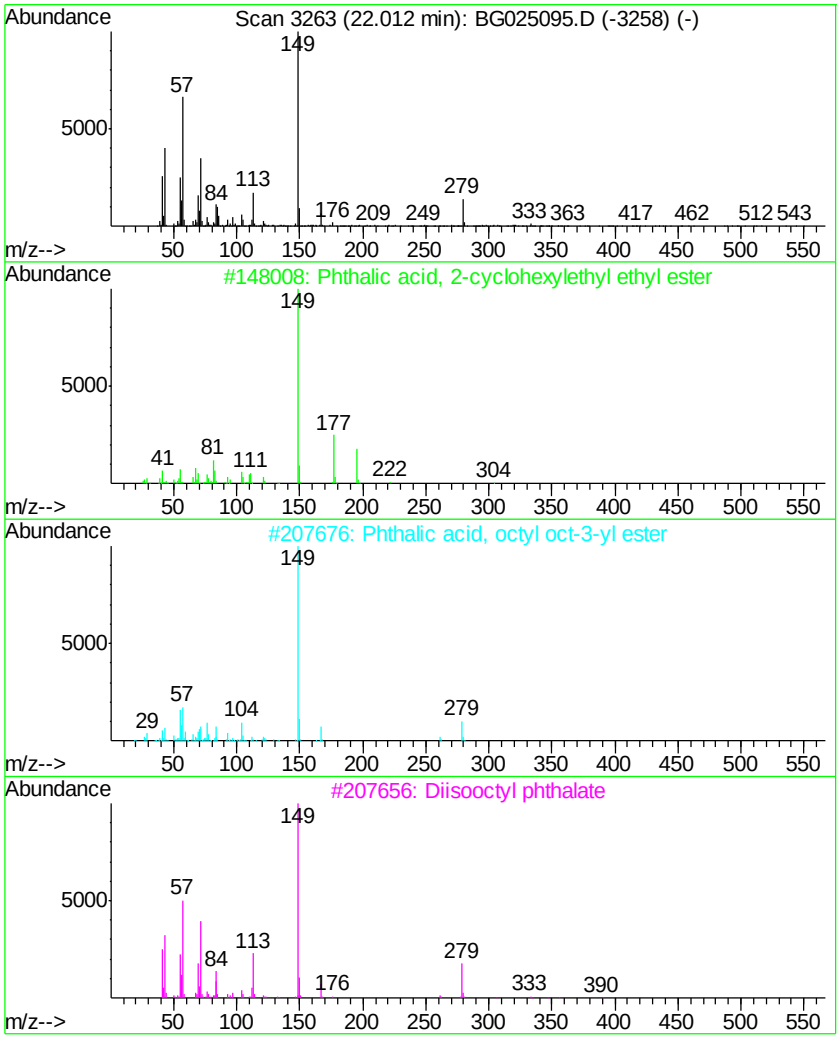
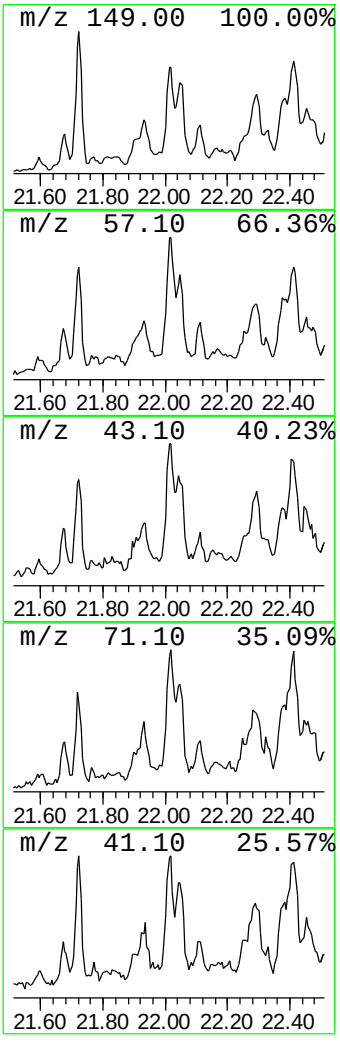
Peak Number 28 Phthalic acid, 2-cyclohexyl... Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
22.01	10.71 ng/ul	1572040	Chrysene-d12	21.89

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phthalic acid, 2-cyclohexylethyl...	304	C18H24O4	1000309-05-4	53
2	Phthalic acid, octyl oct-3-yl ester	390	C24H38O4	1000377-71-7	53
3	Diisooctyl phthalate	390	C24H38O4	000131-20-4	52
4	Phthalic acid, ethyl 4-methylpen...	278	C16H22O4	1000356-87-0	50
5	Phthalic acid, 2-ethylcyclohexyl...	388	C24H36O4	1000315-35-9	50





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Acq On : 11 Dec 2016 9:00
Operator : UM/SJ
Sample : H5905-12
Misc :
ALS Vial : 30 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : DA812

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG113016.M
Quant Title : SVOA CALIBRATION

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

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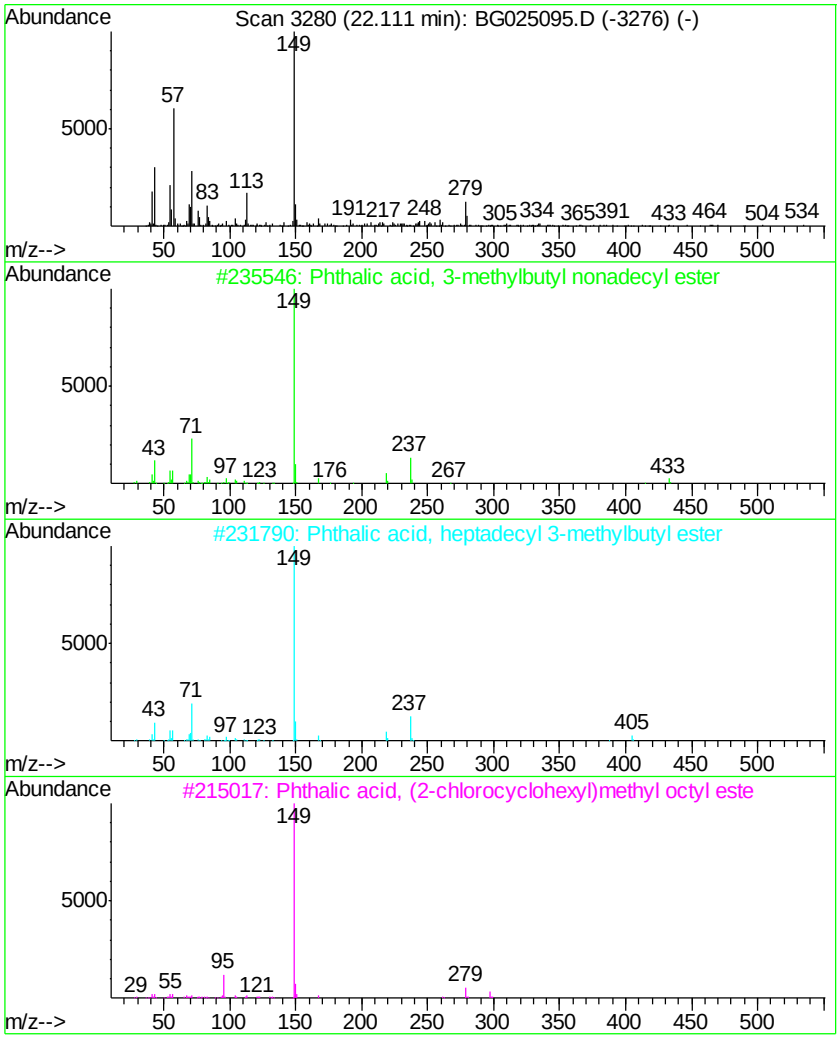
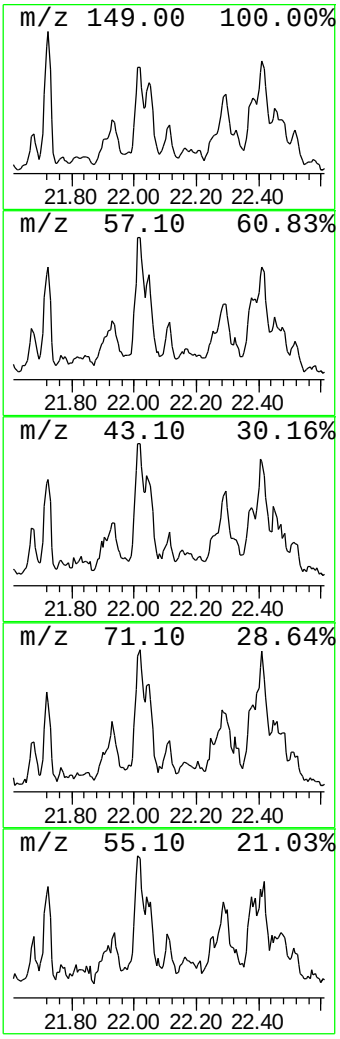
Peak Number 29 Phthalic acid, 3-methylbuty... Concentration Rank 21

R.T.	EstConc	Area	Relative to ISTD	R.T.
22.11	2.72 ng/ul	399338	Chrysene-d12	21.89

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phthalic acid, 3-methylbutyl non...	502	C32H54O4	1000356-82-0	59
2	Phthalic acid, heptadecyl 3-meth...	474	C30H50O4	1000356-81-8	59
3	Phthalic acid, (2-chlorocyclohex...	408	C23H33ClO4	1000315-34-6	59
4	Phthalic acid, heptyl octyl ester	376	C23H36O4	088216-58-4	58
5	1,2-Benzenedicarboxylic acid, is...	418	C26H42O4	001330-96-7	50





Tentatively Identified Compound (LSC) summary

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Data File : BG025095.D
Acq On : 11 Dec 2016 9:00
Operator : UM/SJ
Sample : H5905-12
Misc :
ALS Vial : 30 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : DA812

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG113016.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	4.13	2.1	ng/ul	69294	1	8.23	643696	20.0
unknown-02	5.52	6.6	ng/ul	212657	1	8.23	643696	20.0
unknown-03	7.21	3.1	ng/ul	100263	1	8.23	643696	20.0
Propanenitrile, 2...	8.31	4.0	ng/ul	128312	1	8.23	643696	20.0
Benzaldehyde, 2-h...	8.75	4.0	ng/ul	129062	1	8.23	643696	20.0
Naphthalene, 1,6-...	14.03	2.1	ng/ul	163296	3	14.86	1567520	20.0
Naphthalene, 2,3-...	14.17	2.3	ng/ul	178813	3	14.86	1567520	20.0
3-Quinolinecarbox...	15.13	2.5	ng/ul	192990	3	14.86	1567520	20.0
(DEL) Alkane: Str...	15.64	3.8	ng/ul	301203	3	14.86	1567520	20.0
(DEL) Alkane: Str...	16.05	2.4	ng/ul	185281	3	14.86	1567520	20.0
2,4,6-Cycloheptat...	16.18	2.3	ng/ul	176148	3	14.86	1567520	20.0
(DEL) Alkane: Str...	16.52	10.5	ng/ul	998242	4	17.60	1900170	20.0
Cyclopentene, 1,2...	17.12	2.6	ng/ul	244878	4	17.60	1900170	20.0
(DEL) Alkane: Str...	17.30	2.9	ng/ul	276571	4	17.60	1900170	20.0
(DEL) Alkane: Str...	18.03	4.0	ng/ul	376663	4	17.60	1900170	20.0
n-Hexadecanoic acid	18.44	9.7	ng/ul	919744	4	17.60	1900170	20.0
Phenanthrene, 1-m...	18.52	2.3	ng/ul	214006	4	17.60	1900170	20.0
1H-Indene, 2-phenyl-	18.65	2.5	ng/ul	239398	4	17.60	1900170	20.0
Decane, 1-iodo-	18.72	2.9	ng/ul	274610	4	17.60	1900170	20.0
(DEL) Alkane: Str...	19.34	4.3	ng/ul	404762	4	17.60	1900170	20.0
Drometrizole	19.50	5.4	ng/ul	512642	4	17.60	1900170	20.0
n-Decanoic acid	19.70	4.1	ng/ul	389395	4	17.60	1900170	20.0
(DEL) Alkane: Str...	20.44	2.5	ng/ul	363439	5	21.89	2934900	20.0
(DEL) Alkane: Str...	20.94	2.2	ng/ul	329034	5	21.89	2934900	20.0
Hexadecane, 1-chl...	21.46	5.2	ng/ul	761586	5	21.89	2934900	20.0
Diisooctyl phthalate	21.67	2.6	ng/ul	382541	5	21.89	2934900	20.0
Phthalic acid, 2-...	22.01	10.7	ng/ul	1572040	5	21.89	2934900	20.0
Phthalic acid, 3-...	22.11	2.7	ng/ul	399338	5	21.89	2934900	20.0