LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG092316\
Data File : BG024128.D
Acq On : 24 Sep 2016 17:45
Operator : UM/SJ
Sample : H4865-02
Misc :
ALS Vial : 35 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : WATER

Integration Parameters: rteint.p
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 3 % 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_G\METHODS\8270-BG092316.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	5.100	380	385	396	rVB2	299306	489004	22.22%	1.981%
2	5.593	464	469	480	rVB	322531	576594	26.20%	2.336%
3	7.079	717	722	728	rBV6	19829	52356	2.38%	0.212%
4	7.214	739	745	761	rVB	221664	477248	21.69%	1.933%
5	7.573	797	806	816	rBV	688142	1240546	56.37%	5.025%
6	8.037	880	885	892	rBV	204020	342370	15.56%	1.387%
7	8.360	933	940	950	rVB	578625	1031506	46.88%	4.178%
8	8.601	977	981	986	rVB4	15019	23762	1.08%	0.096%
9	9.217	1079	1086	1102	rVB	546983	1041273	47.32%	4.218%
10	9.353	1106	1109	1116	rBV4	28619	56995	2.59%	0.231%
11	9.470	1125	1129	1139	rVB4	31901	71426	3.25%	0.289%
12	10.639	1322	1328	1334	rBV6	34821	75010	3.41%	0.304%
13	10.868	1361	1367	1376	rVB	277358	509754	23.17%	2.065%
14	10.962	1378	1383	1390	rVV8	19690	42319	1.92%	0.171%
15	11.039	1392	1396	1403	rBV7	13763	27585	1.25%	0.112%
16	11.544	1476	1482	1489	rBV2	74527	152654	6.94%	0.618%
17	11.843	1529	1533	1541	rVB7	15943	31525	1.43%	0.128%
18	11.949	1548	1551	1557	rVB7	14505	27087	1.23%	0.110%
19	12.349	1614	1619	1626	rBV5	27325	60456	2.75%	0.245%
20	12.413	1626	1630	1634	rVV7	15006	24922	1.13%	0.101%
21	12.466	1634	1639	1645	rVB3	17628	31052	1.41%	0.126%
22	13.059	1735	1740	1743	rBV6	24354	40843	1.86%	0.165%
23	13.271	1770	1776	1779	rBV2	37412	64526	2.93%	0.261%
24	13.324	1779	1785	1793	rVB	1442424	2185652	99.32%	8.854%
25	13.582	1824	1829	1835	rVB2	69824	119260	5.42%	0.483%
26	14.158	1921	1927	1935	rBV	785914	1167564	53.06%	4.730%
27	14.269	1942	1946	1952	rBV8	13948	26407	1.20%	0.107%
28	14.346	1952	1959	1967	rBV4	72210	174482	7.93%	0.707%
29	14.534	1985	1991	1996	rBV10	24136	60365	2.74%	0.245%
30	14.716	2016	2022	2028	rVB	498784	767444	34.88%	3.109%
31	15.016	2067	2073	2074	rBV6	14745	23596	1.07%	0.096%
32	15.127	2086	2092	2097	rBV5	42041	78633	3.57%	0.319%
33	15.292	2114	2120	2122	rBV5	38657	68441	3.11%	0.277%
34	15.450	2140	2147	2151	rBV	301987	446686	20.30%	1.809%

LSC Area Percent Report

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Acq On : 24 Sep 2016 17:45
Operator : UM/SJ
Sample : H4865-02
Misc :
ALS Vial : 35 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : WATER

Integration Parameters: rteint.p
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 3 % 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_G\METHODS\8270-BG092316.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

35	15.485	2151	2153	2156	rVV	45026	52667	2.39%	0.213%
36	15.532	2156	2161	2166	rVV2	71426	106741	4.85%	0.432%
37	15.591	2167	2171	2175	rVV7	20403	28505	1.30%	0.115%
38	15.656	2179	2182	2186	rVB5	21998	25985	1.18%	0.105%
39	15.944	2226	2231	2235	rBV6	25597	43718	1.99%	0.177%
40	16.061	2247	2251	2254	rVB5	16749	23163	1.05%	0.094%
41	16.220	2270	2278	2286	rBV	1393121	2200534	100.00%	8.914%
42	16.402	2304	2309	2316	rVB	70859	119089	5.41%	0.482%
43	16.584	2334	2340	2344	rBV6	32247	59332	2.70%	0.240%
44	16.860	2383	2387	2394	rVB8	43228	65637	2.98%	0.266%
45	17.195	2440	2444	2448	rVV2	86199	118571	5.39%	0.480%
46	17.242	2450	2452	2462	rVB9	39490	69293	3.15%	0.281%
47	17.483	2487	2493	2501	rBV2	696837	1095922	49.80%	4.439%
48	17.559	2502	2506	2513	rVV	70126	104082	4.73%	0.422%
49	17.624	2514	2517	2524	rVV9	20853	38561	1.75%	0.156%
50	17.730	2531	2535	2538	rBV2	81559	134282	6.10%	0.544%
51	17.765	2538	2541	2545	rVB	97232	132556	6.02%	0.537%
52	17.941	2567	2571	2576	rBV2	64348	75729	3.44%	0.307%
53	18.017	2580	2584	2589	rBV	97056	145303	6.60%	0.589%
54	18.129	2598	2603	2607	rBV7	88184	134330	6.10%	0.544%
55	18.194	2607	2614	2618	rVV	86063	138972	6.32%	0.563%
56	18.282	2626	2629	2633	rVB	56011	68960	3.13%	0.279%
57	18.358	2637	2642	2650	rBV	678885	1028816	46.75%	4.168%
58	18.429	2650	2654	2656	rVV	102406	151898	6.90%	0.615%
59	18.458	2656	2659	2666	rVB	90005	132608	6.03%	0.537%
60	18.558	2672	2676	2684	rVB10	55976	100335	4.56%	0.406%
61	18.634	2685	2689	2692	rBV5	30807	45089	2.05%	0.183%
62	18.728	2702	2705	2714	rVB	88989	149050	6.77%	0.604%
63	18.828	2720	2722	2726	rBV4	29701	37663	1.71%	0.153%
64	19.380	2814	2816	2821	rVB	26846	22620	1.03%	0.092%
65	19.486	2830	2834	2842	rBV7	66589	185932	8.45%	0.753%
66	19.551	2842	2845	2851	rVB	337139	398085	18.09%	1.613%
67	19.627	2853	2858	2865	rBV	684843	957768	43.52%	3.880%
68	19.874	2898	2900	2904	rVB4	37520	38630	1.76%	0.156%
69	19.974	2913	2917	2921	rVB5	71369	83443	3.79%	0.338%
70	20.091	2932	2937	2943	rVB	924072	1198473	54.46%	4.855%
71	20.549	3013	3015	3020	rVB6	37753	49113	2.23%	0.199%

LSC Area Percent Report

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Data File : BG024128.D
Acq On : 24 Sep 2016 17:45
Operator : UM/SJ
Sample : H4865-02
Misc :
ALS Vial : 35 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : WATER

Integration Parameters: rteint.p
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 3 % 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_G\METHODS\8270-BG092316.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

72	20.749	3047	3049	3054	rVB6	29826	34665	1.58%	0.140%
73	21.084	3104	3106	3112	rVB6	41553	52024	2.36%	0.211%
74	21.395	3155	3159	3171	rVB6	102935	265481	12.06%	1.075%
75	21.607	3190	3195	3196	rBV2	118707	163888	7.45%	0.664%
76	21.630	3197	3199	3206	rVB2	160264	217618	9.89%	0.882%
77	21.789	3220	3226	3236	rVB	723602	1195390	54.32%	4.842%
78	23.469	3505	3512	3519	rBV	226178	454772	20.67%	1.842%
79	25.125	3785	3794	3809	rVB3	367883	1131846	51.44%	4.585%

Sum of corrected areas: 24686482

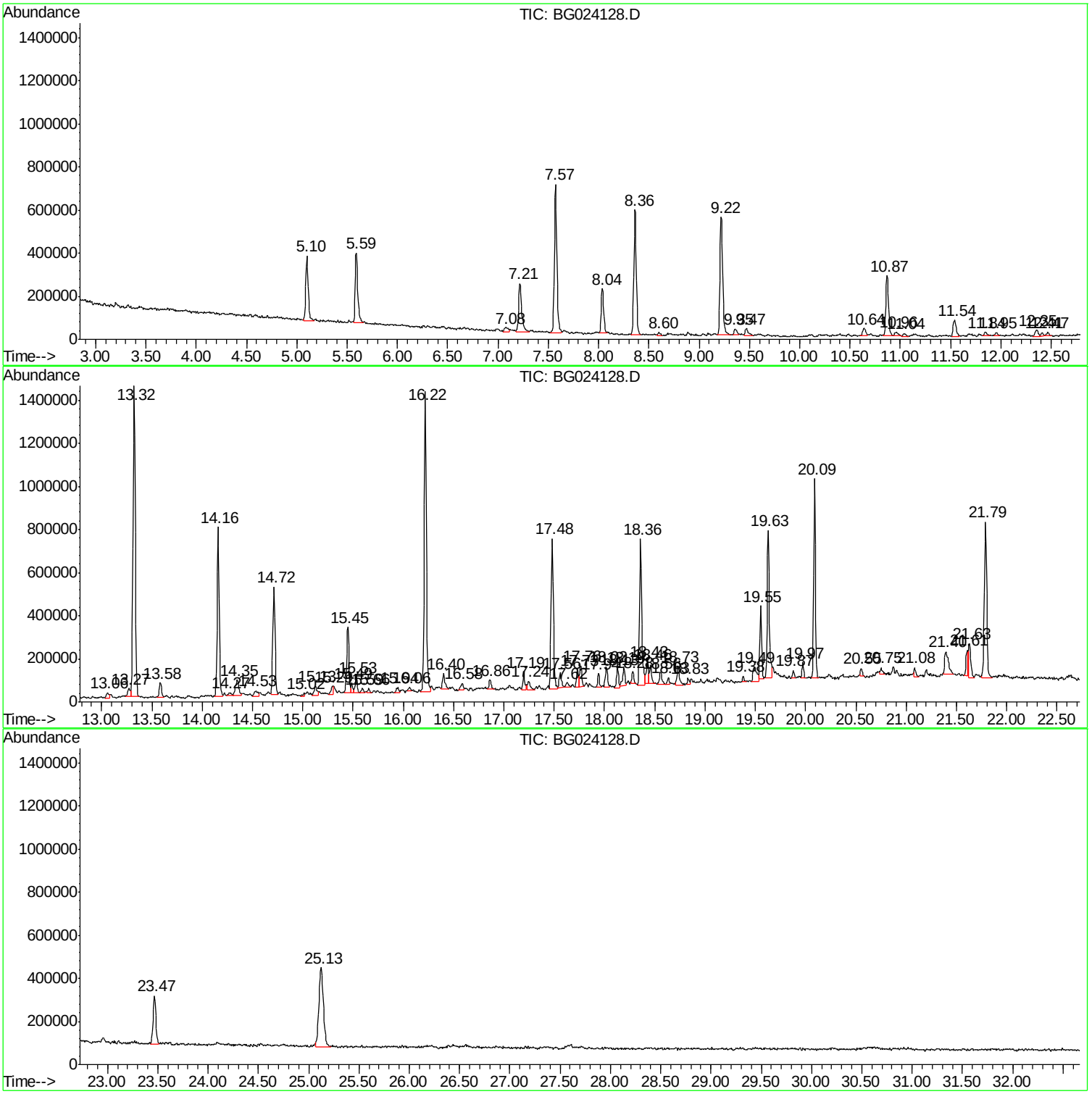
LSC Report - Integrated Chromatogram

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG092316\
Data File : BG024128.D
Acq On : 24 Sep 2016 17:45
Operator : UM/SJ
Sample : H4865-02
Misc :
ALS Vial : 35 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : WATER

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\8270-BG092316.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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



Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG092316\
Data File : BG024128.D
Acq On : 24 Sep 2016 17:45
Operator : UM/SJ
Sample : H4865-02
Misc :
ALS Vial : 35 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : WATER

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\8270-BG092316.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

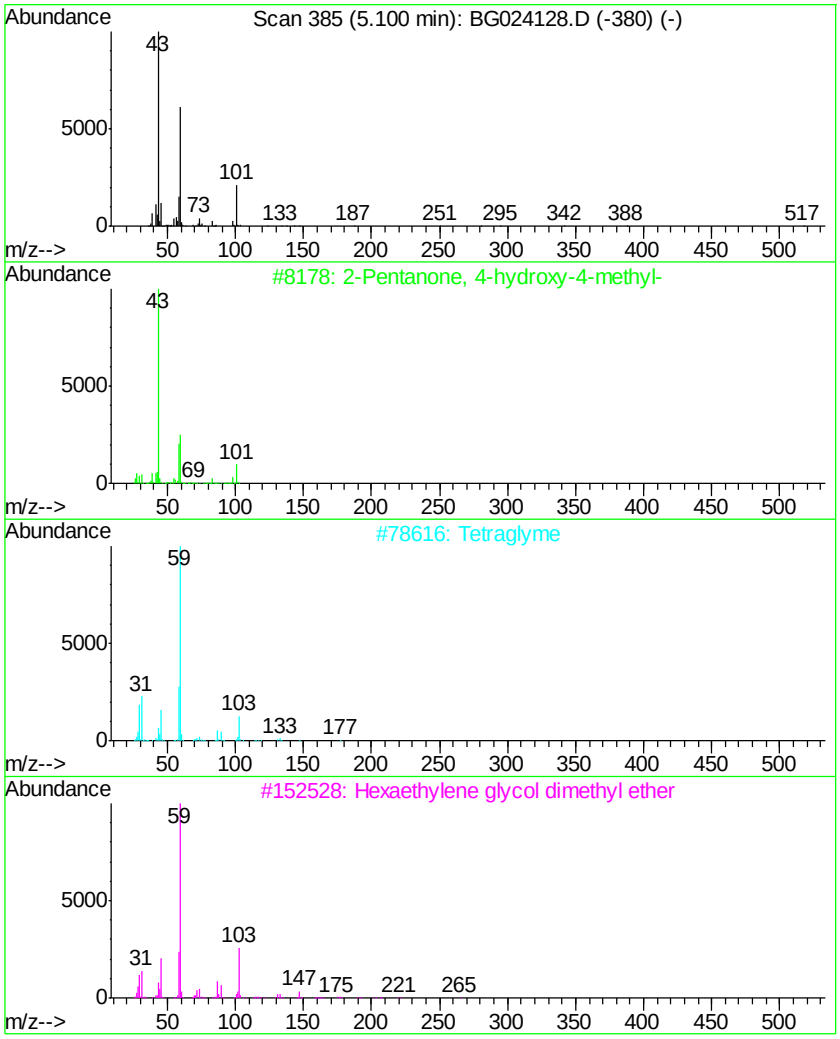
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

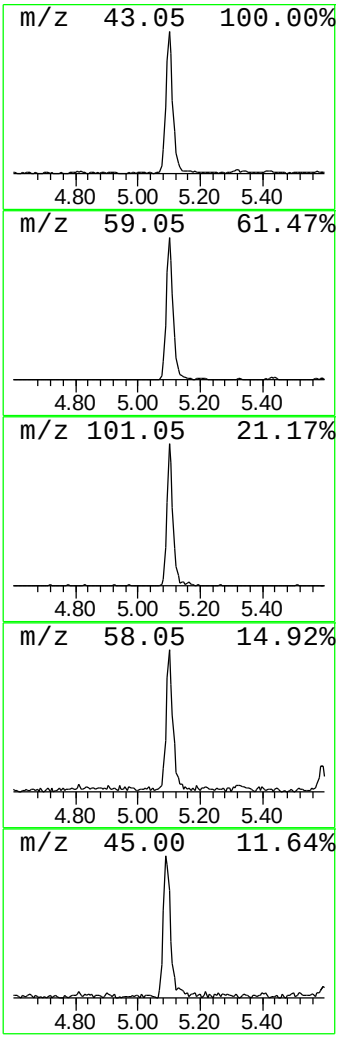
****

Peak Number 1 2-Pentanone, 4-hydroxy-4-me... Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.10	28.57 ng	489004	1,4-Dichlorobenzene-d4	8.04

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	59
2	Tetraglyme	222	C10H22O5	000143-24-8	47
3	Hexaethylene glycol dimethyl ether	310	C14H30O7	001072-40-8	38
4	Silane, trimethyl-	74	C3H10Si	000993-07-7	37
5	Propanenitrile, 3-ethoxy-	99	C5H9NO	002141-62-0	35





Data Path : Z:\HPCHEM1\BNA_G\DATA\BG092316\
Data File : BG024128.D
Acq On : 24 Sep 2016 17:45
Operator : UM/SJ
Sample : H4865-02
Misc :
ALS Vial : 35 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : WATER

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\8270-BG092316.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

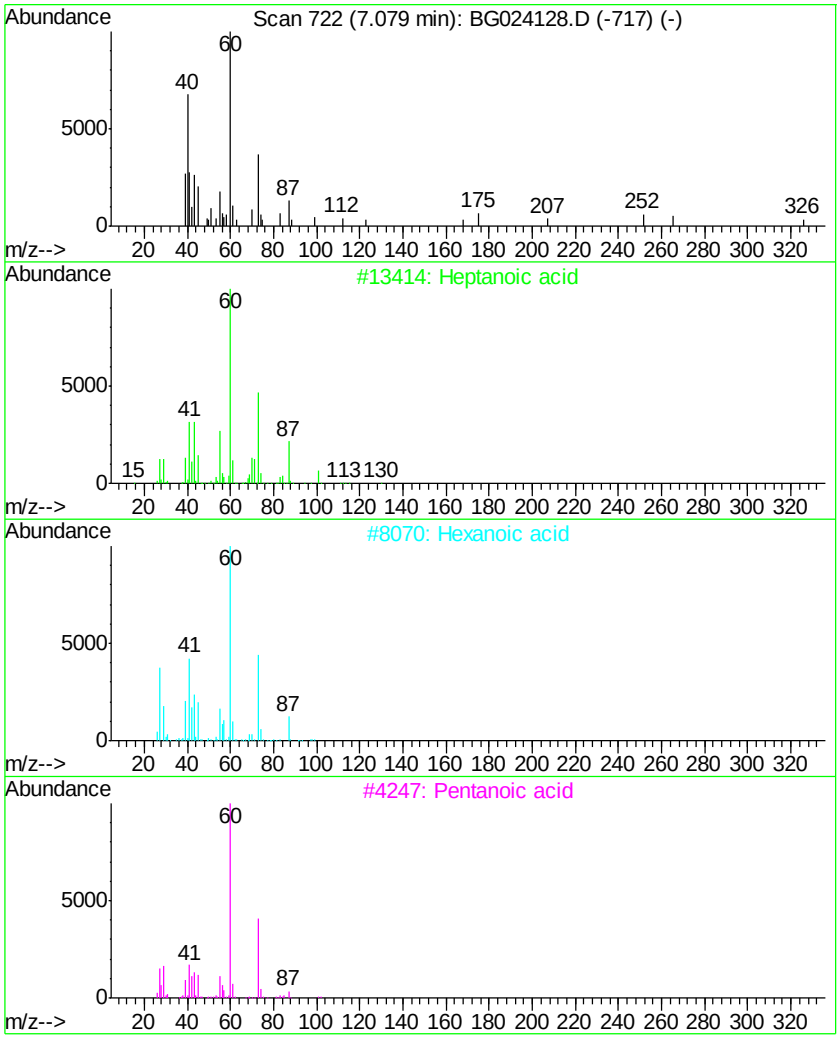
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

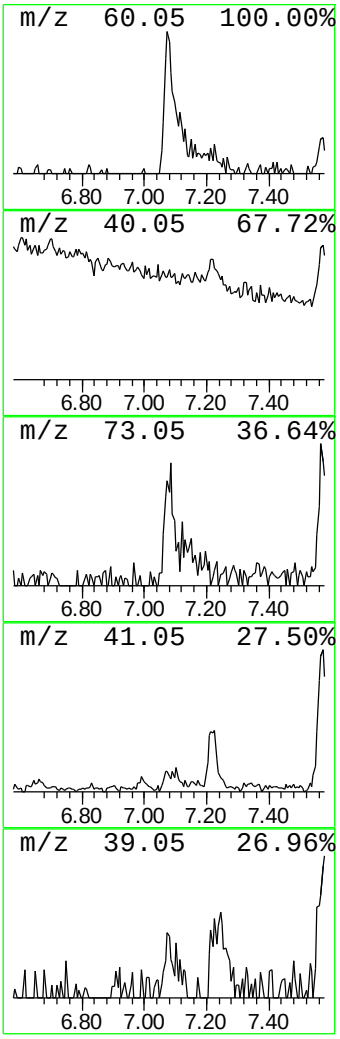
****

Peak Number 2 Heptanoic acid Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.08	3.06 ng	52356	1,4-Dichlorobenzene-d4	8.04

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heptanoic acid	130	C7H14O2	000111-14-8	64
2	Hexanoic acid	116	C6H12O2	000142-62-1	59
3	Pentanoic acid	102	C5H10O2	000109-52-4	59
4	Butanoic acid, 3-methyl-	102	C5H10O2	000503-74-2	53
5	Heptane, 1-(ethenylthio)-	158	C9H18S	021961-05-7	36





Data Path : Z:\HPCHEM1\BNA_G\DATA\BG092316\
Data File : BG024128.D
Acq On : 24 Sep 2016 17:45
Operator : UM/SJ
Sample : H4865-02
Misc :
ALS Vial : 35 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : WATER

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\8270-BG092316.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

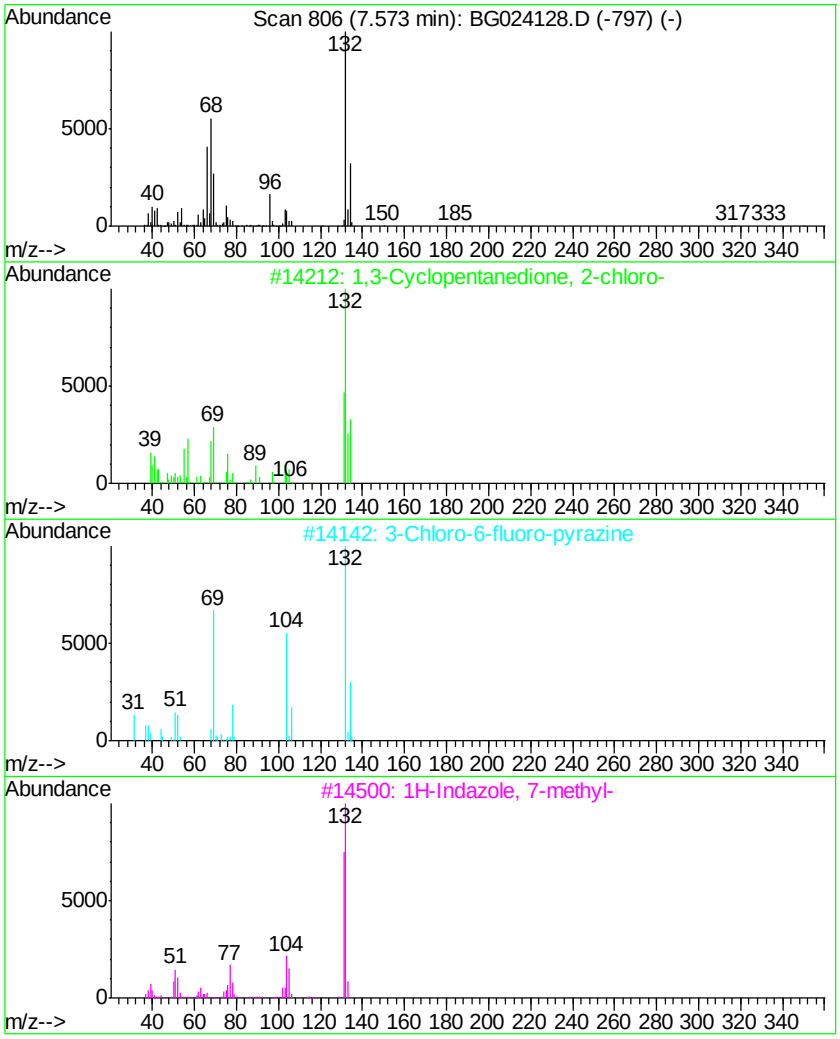
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

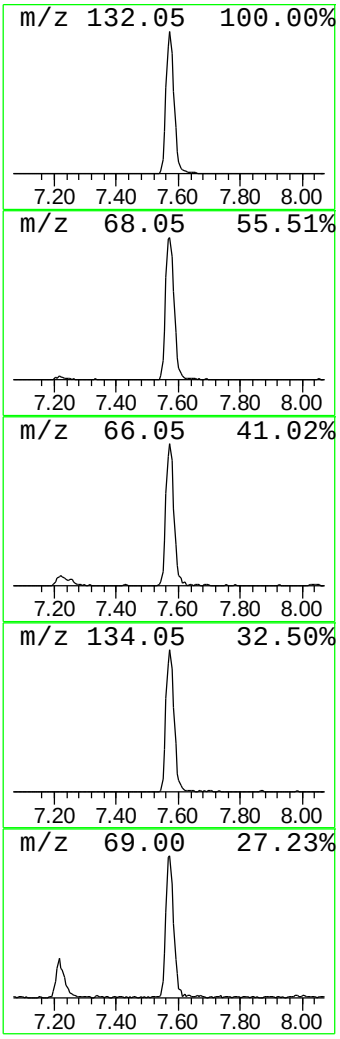
****

Peak Number 3 unknown7.57 Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.57	72.47 ng	1240550	1,4-Dichlorobenzene-d4	8.04

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,3-Cyclopentanedione, 2-chloro-	132	C5H5ClO2	014203-19-1	27
2	3-Chloro-6-fluoro-pyrazine	132	C4H2ClFN2	1000146-10-7	14
3	1H-Indazole, 7-methyl-	132	C8H8N2	1000316-00-7	14
4	4-Chloro-6-fluoro-pyrimidine	132	C4H2ClFN2	051422-01-6	14
5	Imidazole, 4,5-dicyano-1-methyl-	132	C6H4N4	019485-35-9	11





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Instrument : BNA_G
ClientSampleId : WATER

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\8270-BG092316.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

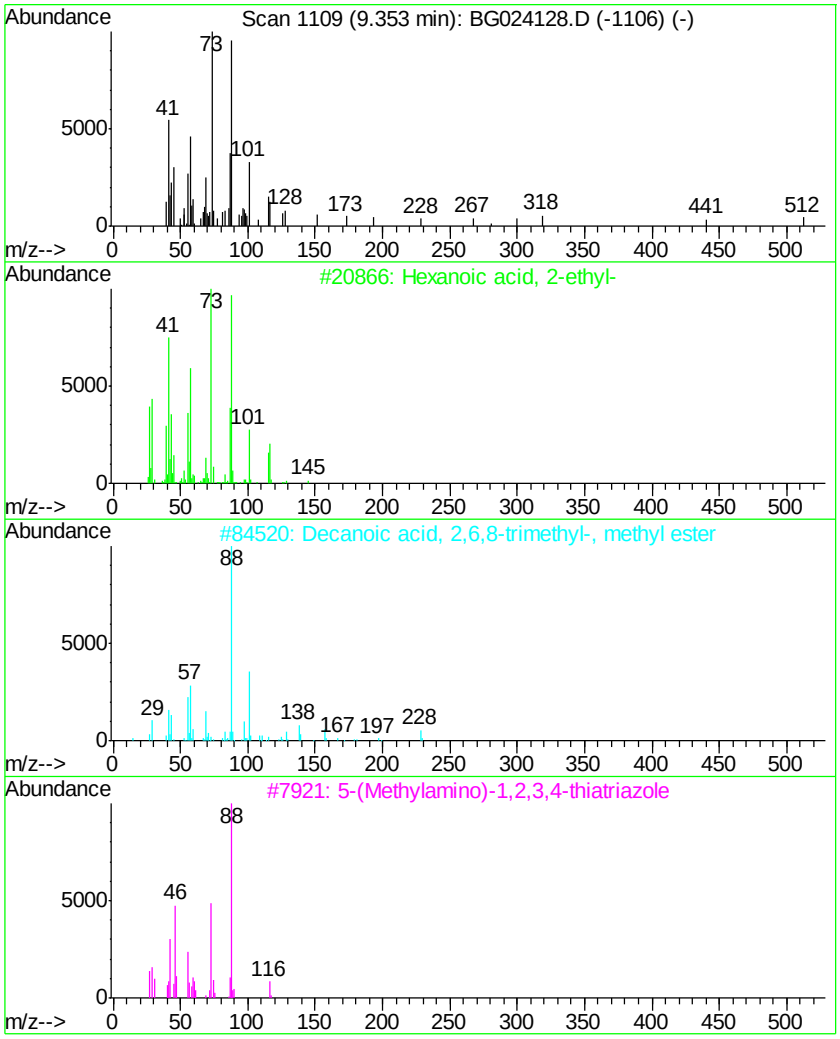
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

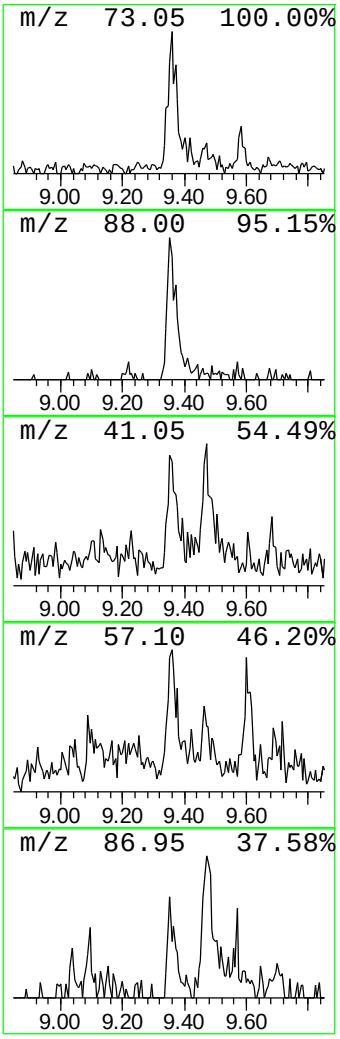
****

Peak Number 5 Hexanoic acid, 2-ethyl- Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.35	3.33 ng	56995	1,4-Dichlorobenzene-d4	8.04

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexanoic acid, 2-ethyl-	144	C8H16O2	000149-57-5	50
2	Decanoic acid, 2,6,8-trimethyl-,...	228	C14H28O2	055059-27-3	46
3	5-(Methylamino)-1,2,3,4-thiatria...	116	C2H4N4S	052098-72-3	43
4	Undecanoic acid, 2,6-dimethyl-, ...	228	C14H28O2	055059-28-4	38
5	Glycine, N-methoxycarbonyl-, und...	285	C15H27NO4	1000313-49-1	37





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Sample : H4865-02
Misc :
ALS Vial : 35 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : WATER

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\8270-BG092316.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

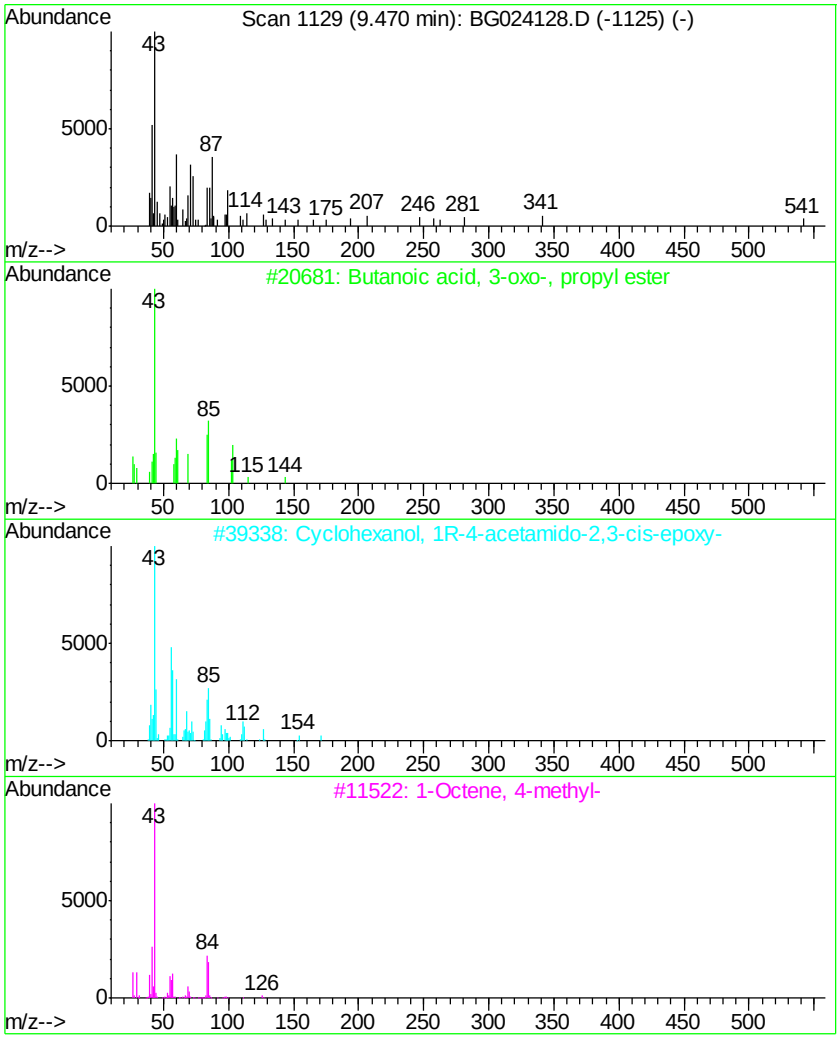
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

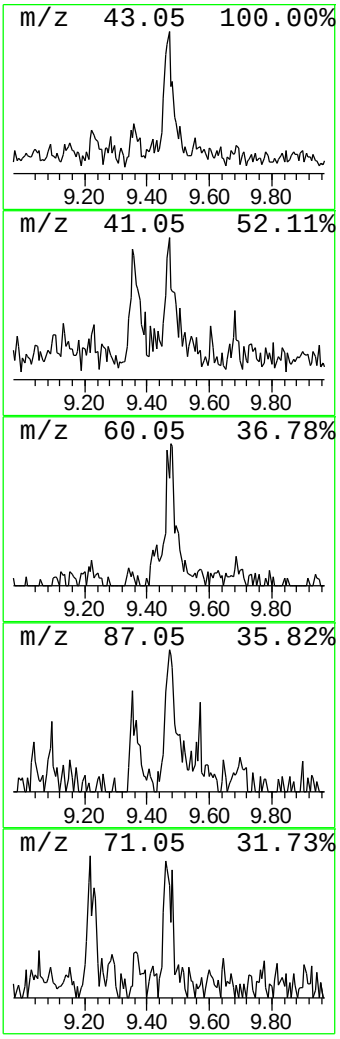
****

Peak Number 6 unknown9.47 Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.47	2.80 ng	71426	Naphthalene-d8	10.87

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Butanoic acid, 3-oxo-, propyl ester	144	C7H12O3	001779-60-8	27
2	Cyclohexanol, 1R-4-acetamido-2,3...	171	C8H13NO3	077803-84-0	17
3	1-Octene, 4-methyl-	126	C9H18	013151-12-7	14
4	Butanoic acid, 3-hydroxy-, ethyl...	132	C6H12O3	005405-41-4	12
5	Tetraacetyl-d-glucosamine	347	C14H21NO9	1000126-98-6	12





Data Path : Z:\HPCHEM1\BNA_G\DATA\BG092316\
Data File : BG024128.D
Acq On : 24 Sep 2016 17:45
Operator : UM/SJ
Sample : H4865-02
Misc :
ALS Vial : 35 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : WATER

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\8270-BG092316.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

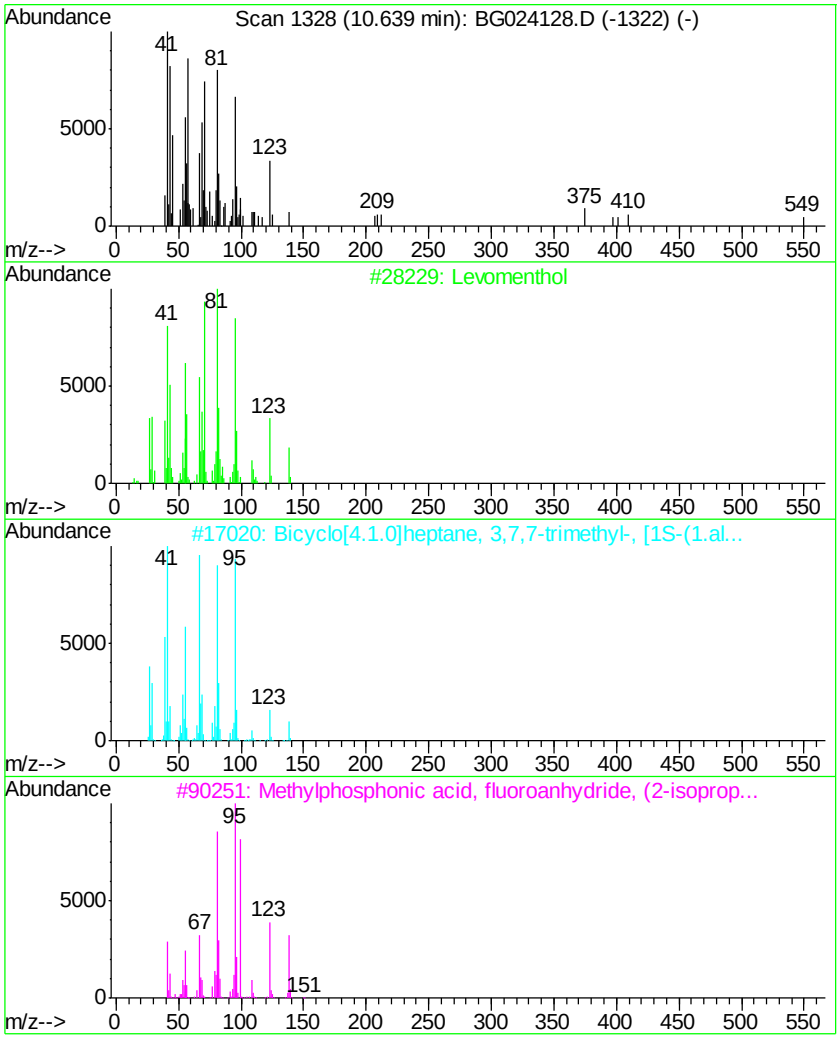
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

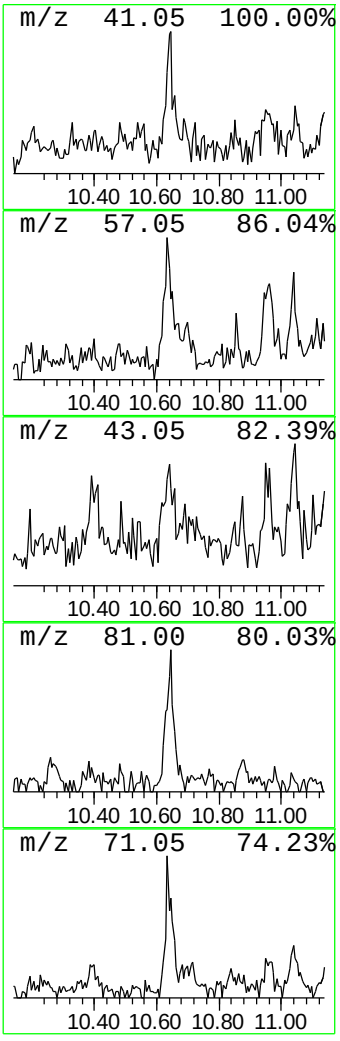
****

Peak Number 7 Levomenthol Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.64	2.94 ng	75010	Naphthalene-d8	10.87

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Levomenthol	156	C10H20O	002216-51-5	59
2	Bicyclo[4.1.0]heptane, 3,7,7-tri...	138	C10H18	006069-97-2	38
3	Methylphosphonic acid, fluoroanh...	236	C11H22FO2P	1000298-37-8	38
4	Cyclohexanol, 5-methyl-2-(1-meth...	156	C10H20O	015356-70-4	38
5	Butanamide, N-[[5-(4-pyridinyl)-...	246	C11H14N6O	1000362-24-9	27





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Acq On : 24 Sep 2016 17:45
Operator : UM/SJ
Sample : H4865-02
Misc :
ALS Vial : 35 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : WATER

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\8270-BG092316.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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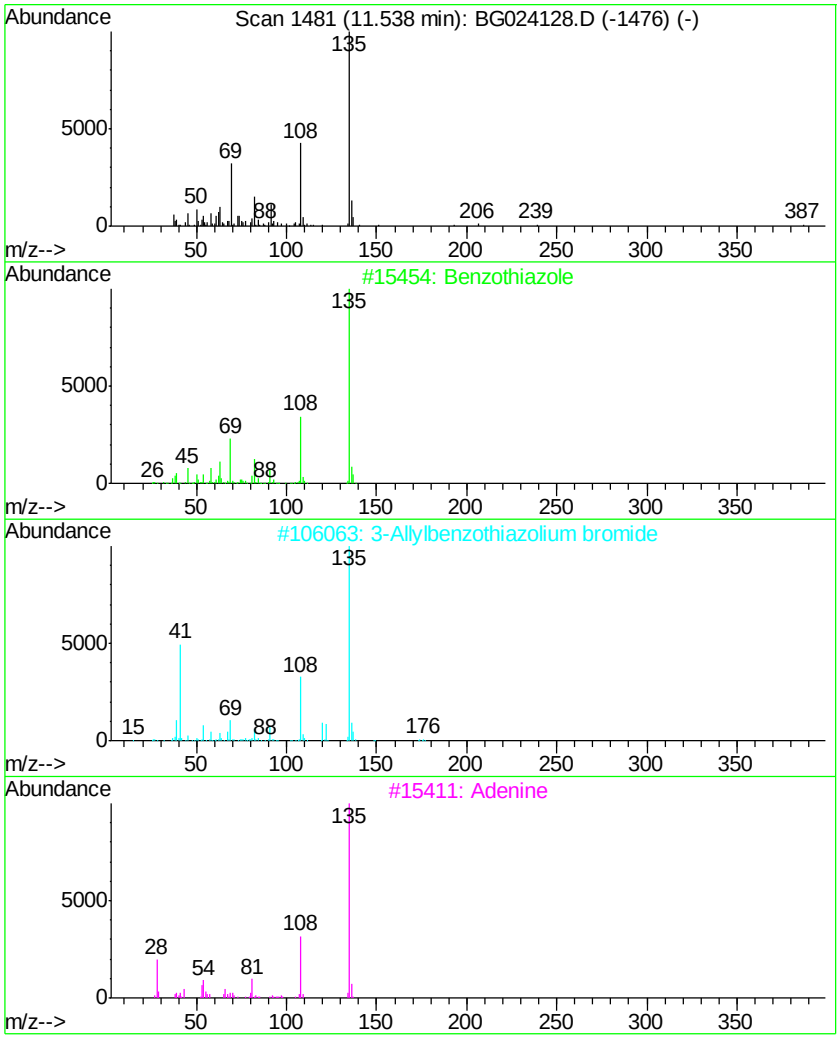
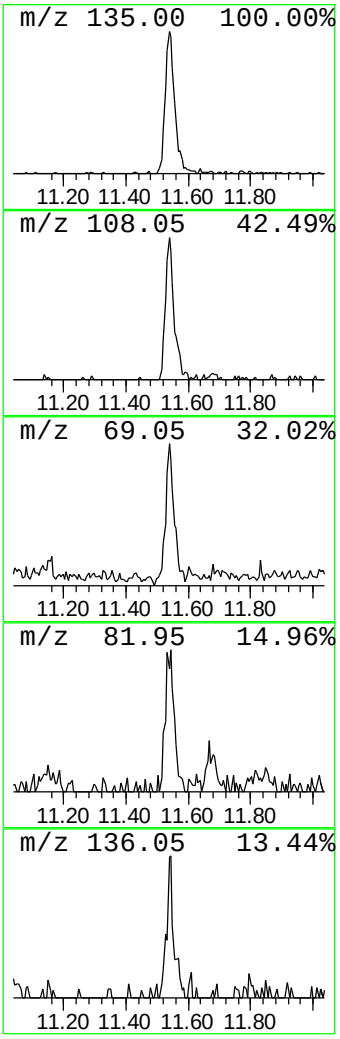
Peak Number 8 Benzothiazole Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.54	5.99 ng	152654	Naphthalene-d8	10.87

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzothiazole	135	C7H5NS	000095-16-9	94
2	3-Allylbenzothiazolium bromide	255	C10H10BrNS	016407-55-9	78
3	Adenine	135	C5H5N5	000073-24-5	72
4	1H-Indole, 5-fluoro-	135	C8H6FN	000399-52-0	72
5	1H-Pyrazolo[3,4-d]pyrimidin-4-amine	135	C5H5N5	002380-63-4	72





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Acq On : 24 Sep 2016 17:45
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Sample : H4865-02
Misc :
ALS Vial : 35 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : WATER

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\8270-BG092316.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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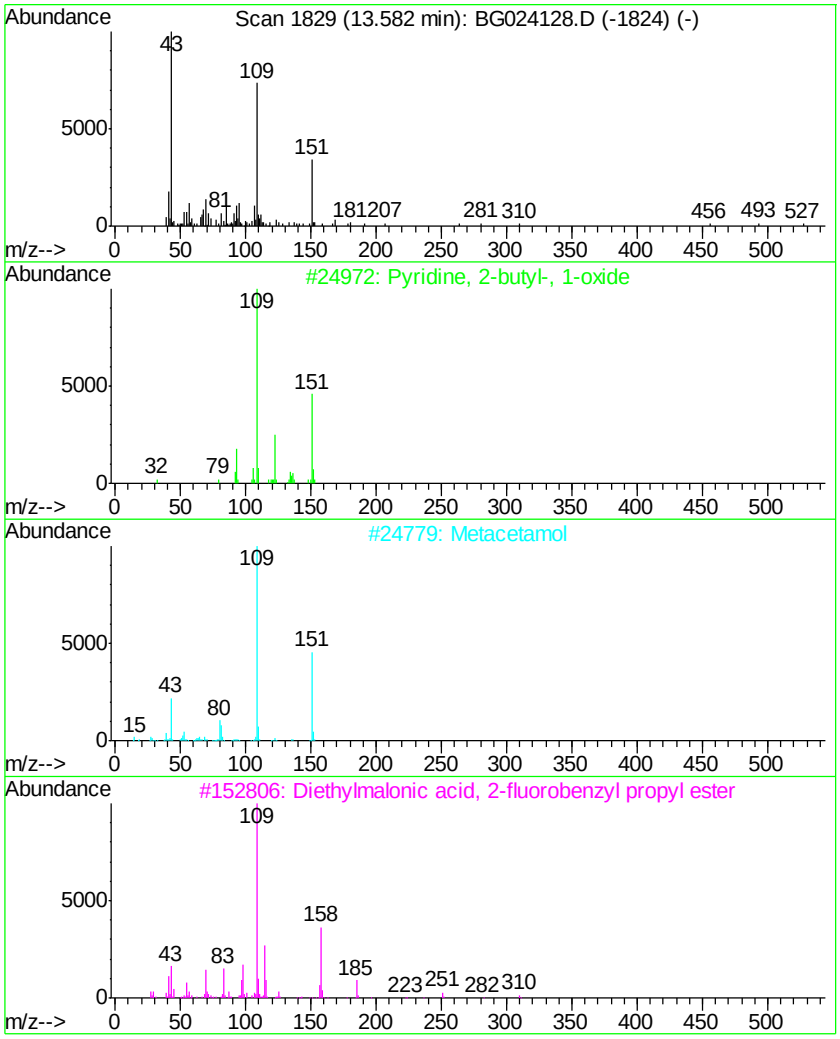
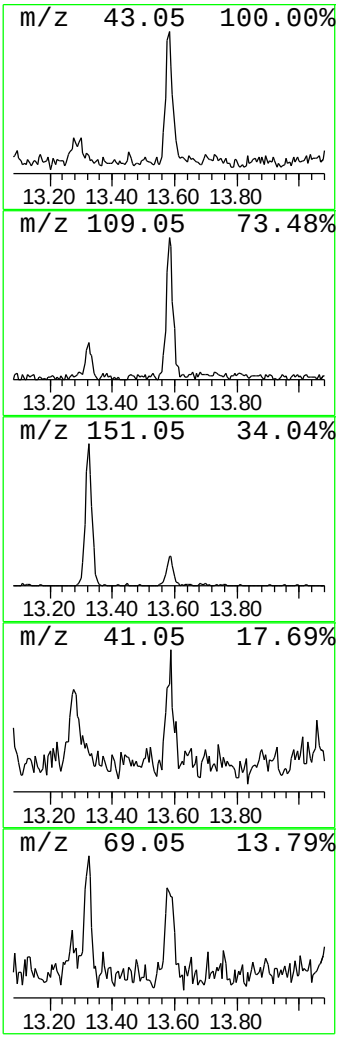
Peak Number 9 Pyridine, 2-butyl-, 1-oxide Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.58	3.11 ng	119260	Acenaphthene-d10	14.72

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyridine, 2-butyl-, 1-oxide	151	C9H13NO	031396-32-4	53
2	Metacetamol	151	C8H9NO2	000621-42-1	53
3	Diethylmalonic acid, 2-fluoroben...	310	C17H23FO4	1000369-27-7	49
4	Benzene, 4-chloro-2-fluoro-1-met...	144	C7H6ClF	000452-75-5	47
5	Cyclohexanemethanol, 3,3-dimethy...	212	C13H24O2	072541-28-7	45





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Acq On : 24 Sep 2016 17:45
Operator : UM/SJ
Sample : H4865-02
Misc :
ALS Vial : 35 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : WATER

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\8270-BG092316.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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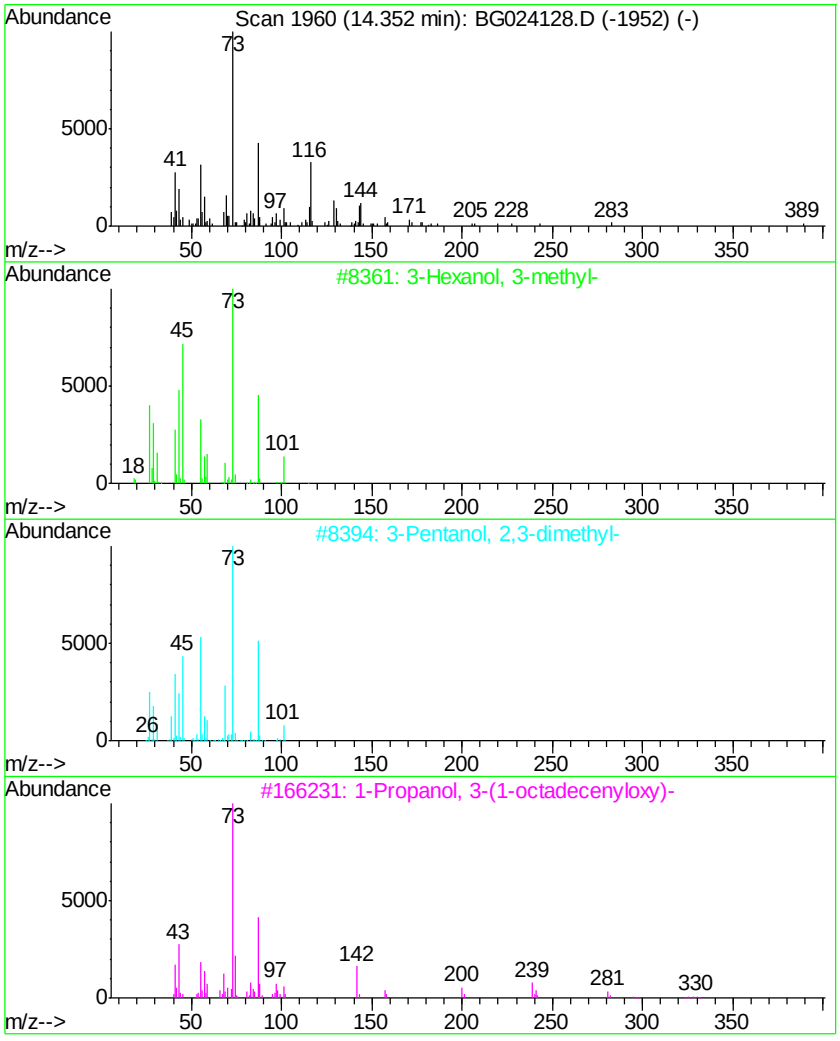
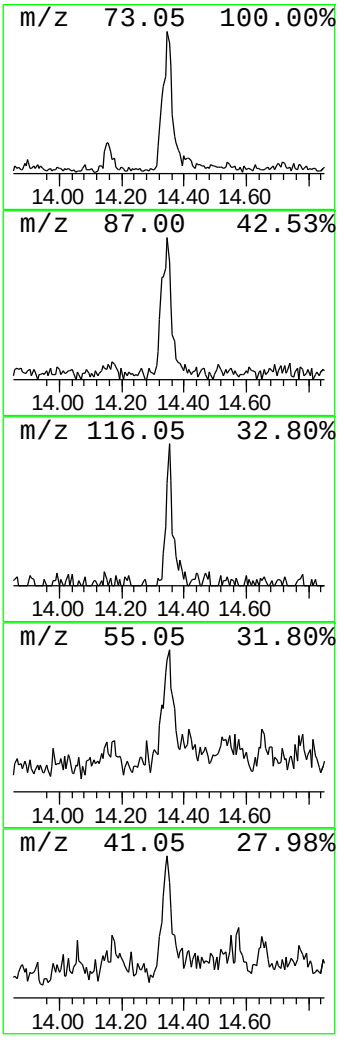
Peak Number 10 unknown14.35 Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.35	4.55 ng	174482	Acenaphthene-d10	14.72

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-Hexanol, 3-methyl-	116	C7H16O	000597-96-6	47
2	3-Pentanol, 2,3-dimethyl-	116	C7H16O	000595-41-5	47
3	1-Propanol, 3-(1-octadecenyloxy)-	326	C21H42O2	072347-46-7	28
4	2-Pentene, 3-diethylboryl-2-trim...	210	C12H27BSi	079483-02-6	28
5	Octanoic acid, 2-butyl-	200	C12H24O2	027610-92-0	25





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Acq On : 24 Sep 2016 17:45
Operator : UM/SJ
Sample : H4865-02
Misc :
ALS Vial : 35 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : WATER

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\8270-BG092316.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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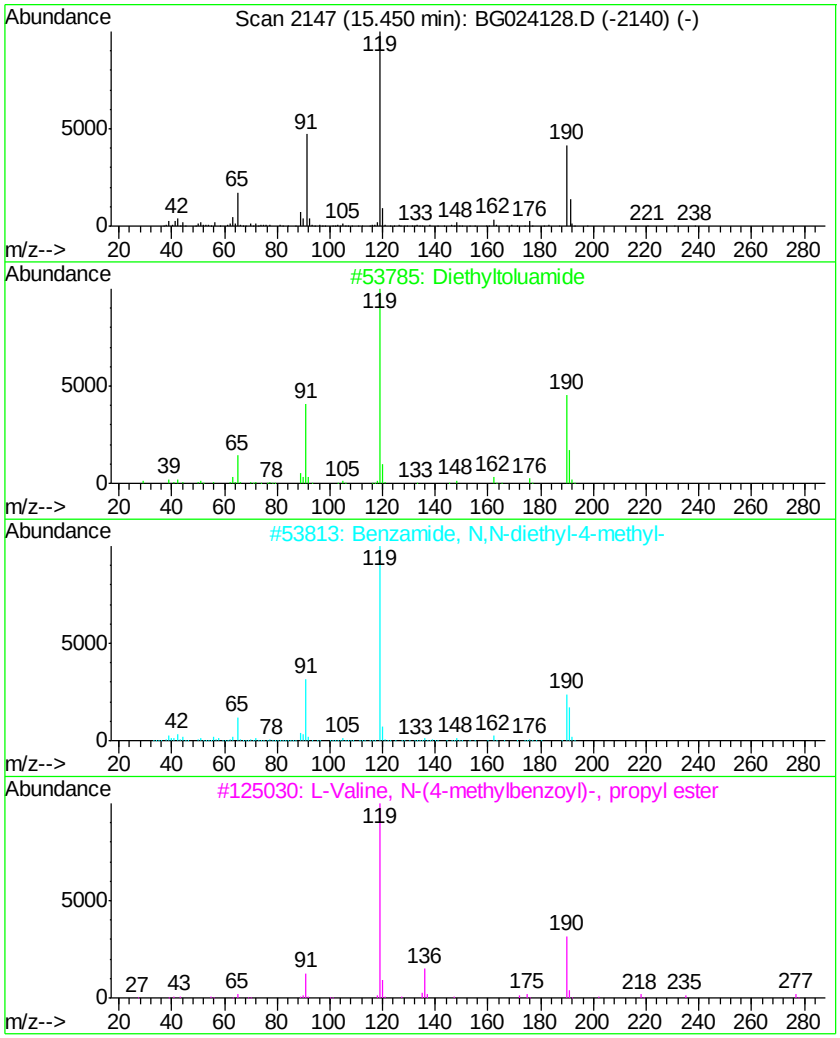
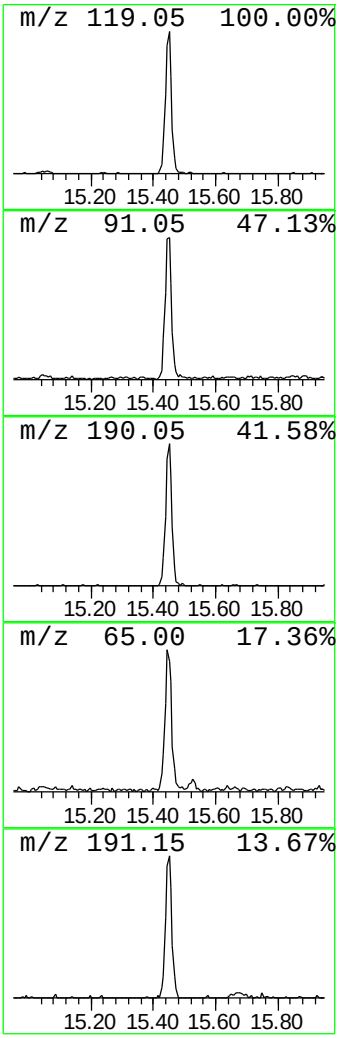
Peak Number 11 Diethyltoluamide Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.45	11.64 ng	446686	Acenaphthene-d10	14.72

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Diethyltoluamide	191	C12H17NO	000134-62-3	95
2	Benzamide, N,N-diethyl-4-methyl-	191	C12H17NO	002728-05-4	80
3	L-Valine, N-(4-methylbenzoyl)-, ...	277	C16H23NO3	1000346-63-8	72
4	3-(4-Methylbenzoyl)acrylic acid	190	C11H10O3	020972-36-5	72
5	1-Propanone, 2-methyl-1-(2-methy...	162	C11H14O	002040-21-3	62





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Acq On : 24 Sep 2016 17:45
Operator : UM/SJ
Sample : H4865-02
Misc :
ALS Vial : 35 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : WATER

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\8270-BG092316.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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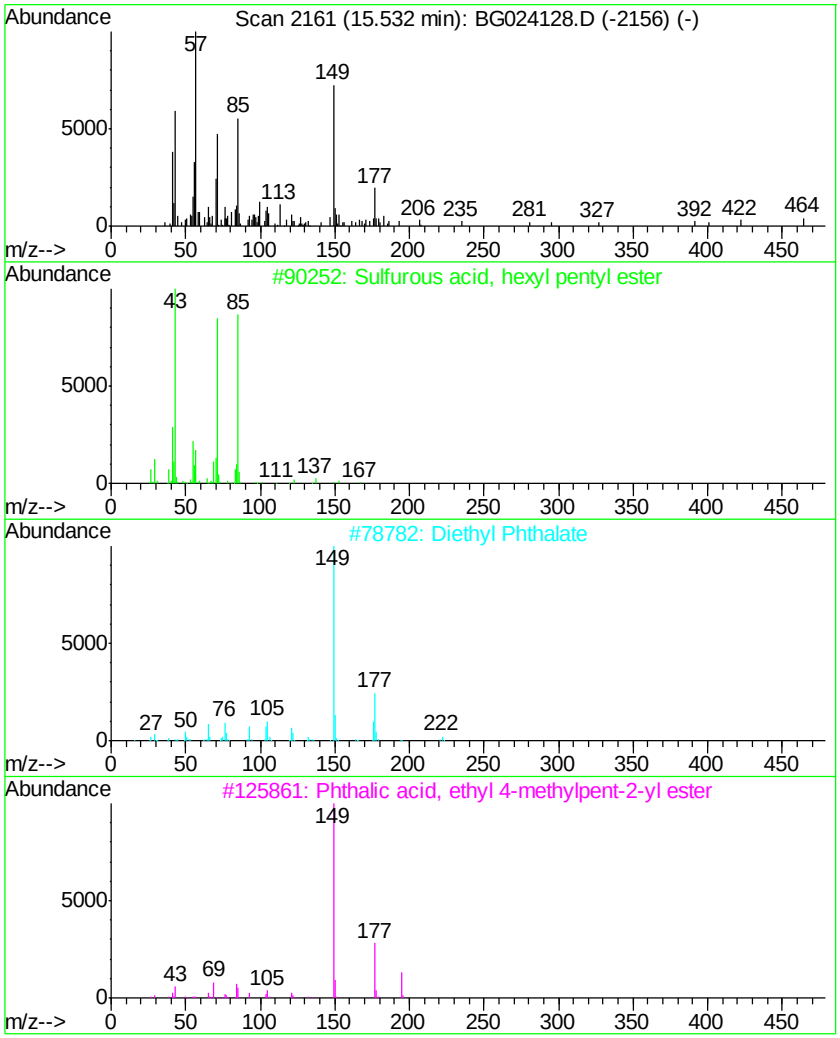
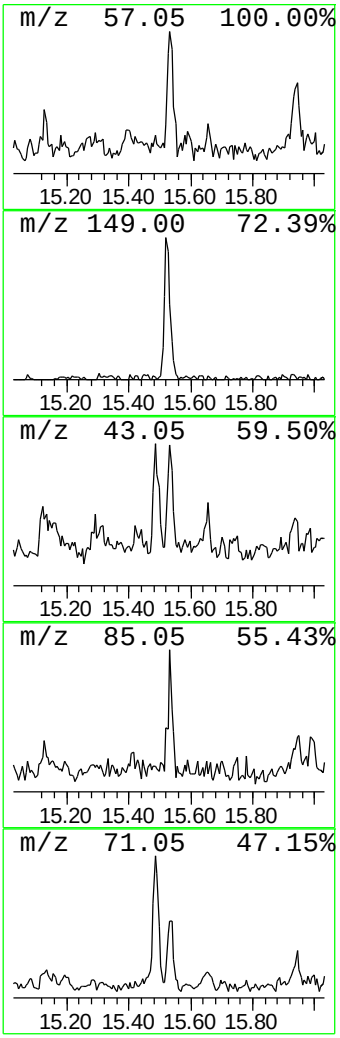
Peak Number 12 unknown15.53 Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.53	2.78 ng	106741	Acenaphthene-d10	14.72

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Sulfurous acid, hexyl pentyl ester	236	C11H24O3S	1000309-14-1	35
2	Diethyl Phthalate	222	C12H14O4	000084-66-2	30
3	Phthalic acid, ethyl 4-methylpen...	278	C16H22O4	1000356-87-0	27
4	Hexane, 2,4-dimethyl-	114	C8H18	000589-43-5	22
5	1-Benzyl-2,3,3-trimethyldiaziridine	176	C11H16N2	077671-19-3	15





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Acq On : 24 Sep 2016 17:45
Operator : UM/SJ
Sample : H4865-02
Misc :
ALS Vial : 35 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : WATER

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\8270-BG092316.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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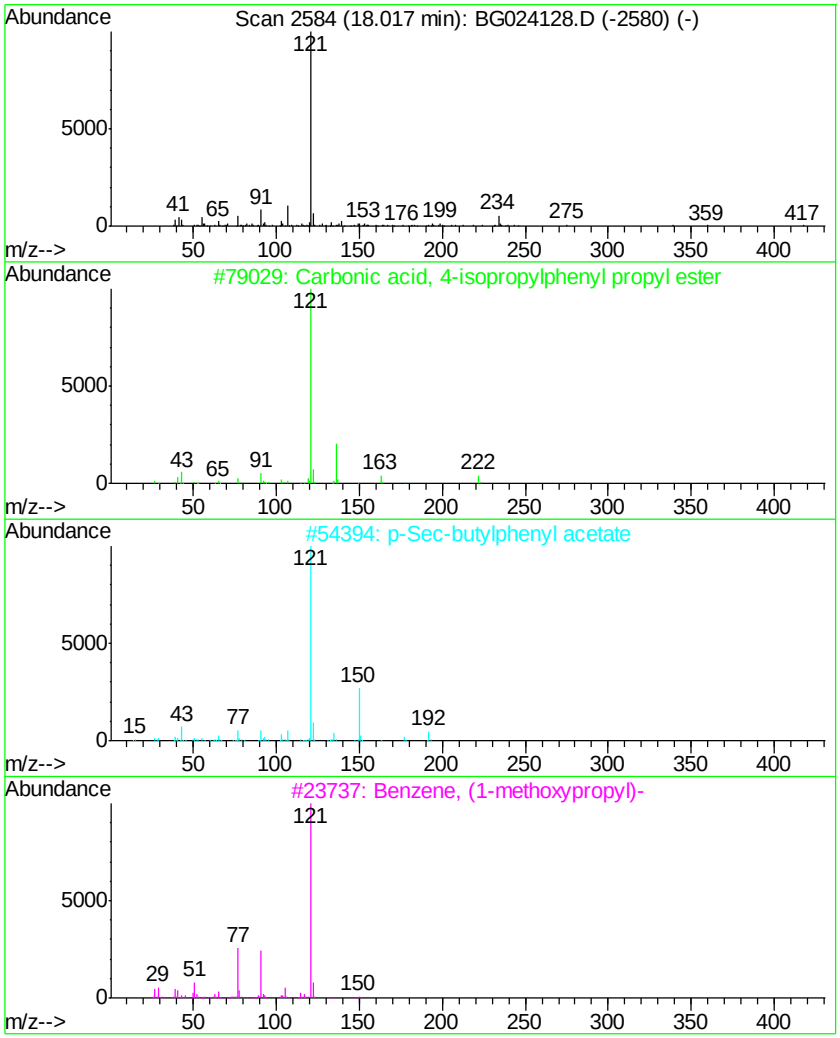
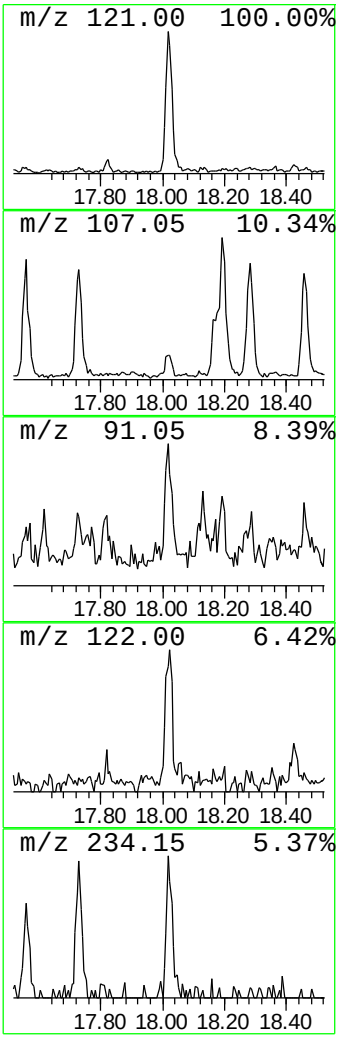
Peak Number 13 Carbonic acid, 4-isopropylp... Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.02	2.65 ng	145303	Phenanthrene-d10	17.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Carbonic acid, 4-isopropylphenyl...	222	C13H18O3	1000331-39-1	59
2	p-Sec-butylphenyl acetate	192	C12H16O2	003245-24-7	59
3	Benzene, (1-methoxypropyl)-	150	C10H14O	059588-12-4	53
4	1-Bromo-4-[4-methoxyphenyl]-n-bu...	242	C11H15BrO	035191-43-6	50
5	Fenobucarb	207	C12H17NO2	003766-81-2	50





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Operator : UM/SJ
Sample : H4865-02
Misc :
ALS Vial : 35 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : WATER

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\8270-BG092316.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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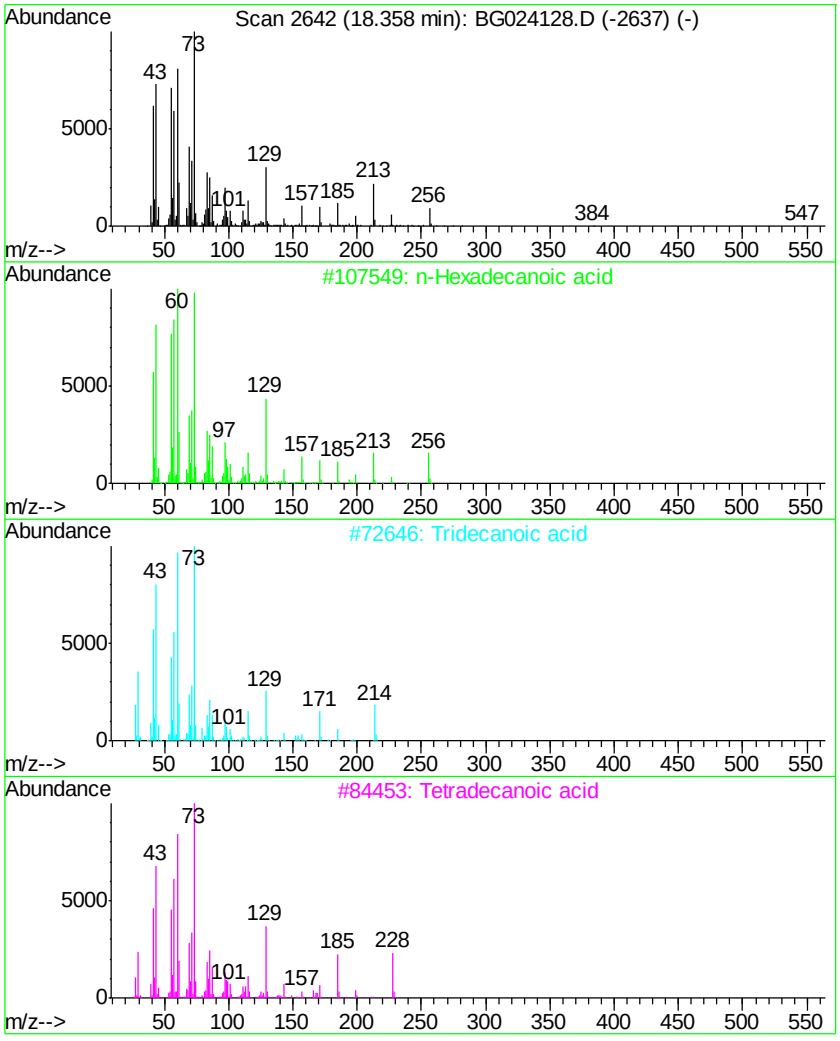
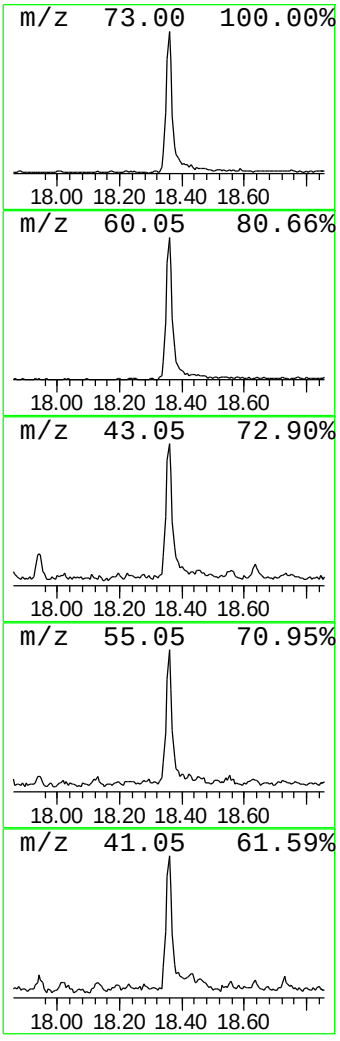
Peak Number 14 n-Hexadecanoic acid Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.36	18.78 ng	1028820	Phenanthrene-d10	17.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	n-Hexadecanoic acid	256	C16H32O2	000057-10-3	96
2	Tridecanoic acid	214	C13H26O2	000638-53-9	86
3	Tetradecanoic acid	228	C14H28O2	000544-63-8	81
4	Pentadecanoic acid	242	C15H30O2	001002-84-2	53
5	12-Bromododecanoic acid	278	C12H23BrO2	073367-80-3	50





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Sample : H4865-02
Misc :
ALS Vial : 35 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : WATER

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\8270-BG092316.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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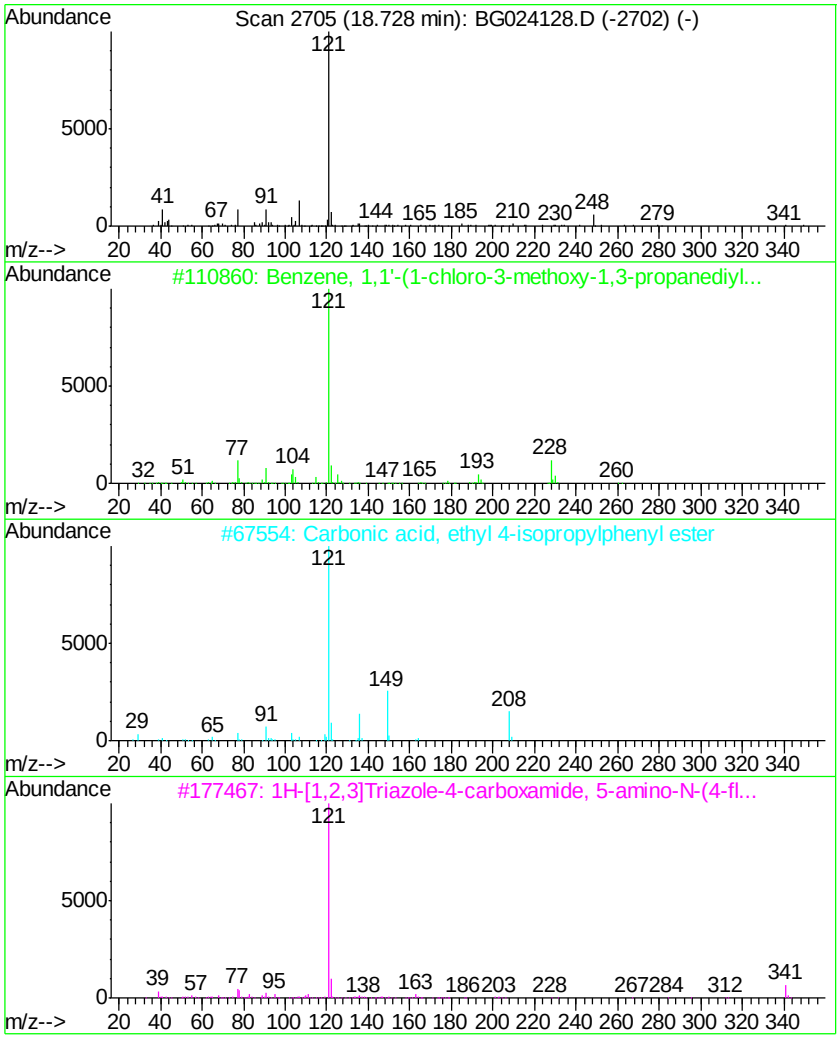
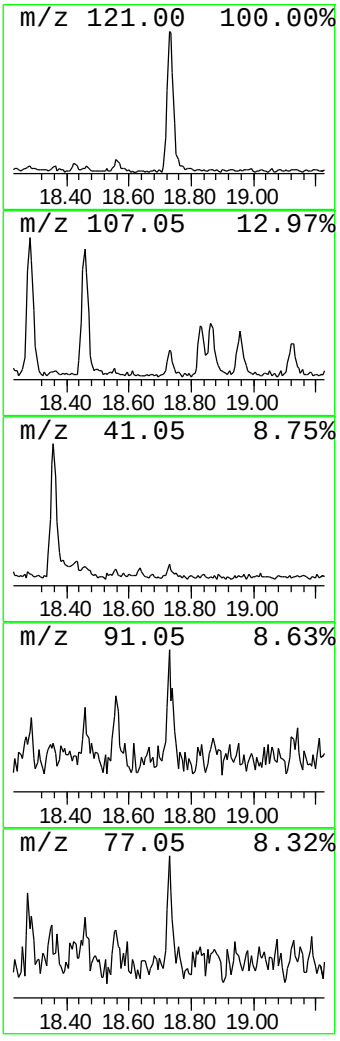
Peak Number 15 Benzene, 1,1'-(1-chloro-3-m... Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.73	2.72 ng	149050	Phenanthrene-d10	17.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1,1'-(1-chloro-3-methox...	260	C16H17ClO	1000327-37-1	59
2	Carbonic acid, ethyl 4-isopropyl...	208	C12H16O3	1000331-34-2	59
3	1H-[1,2,3]Triazole-4-carboxamide...	341	C17H16FN5O2	1000310-70-0	59
4	Benzene, 1-methoxy-4-propyl-	150	C10H14O	000104-45-0	58
5	Phenol, 4-(1-methylpropyl)-	150	C10H14O	000099-71-8	50





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Sample : H4865-02
Misc :
ALS Vial : 35 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : WATER

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\8270-BG092316.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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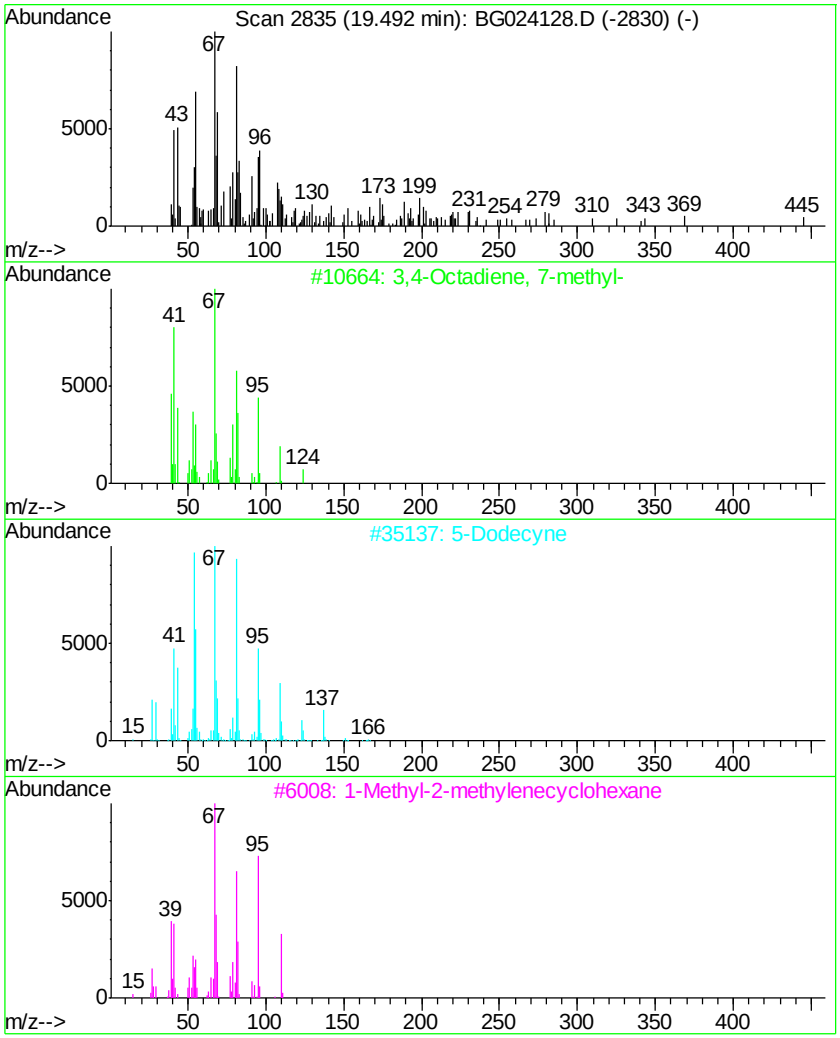
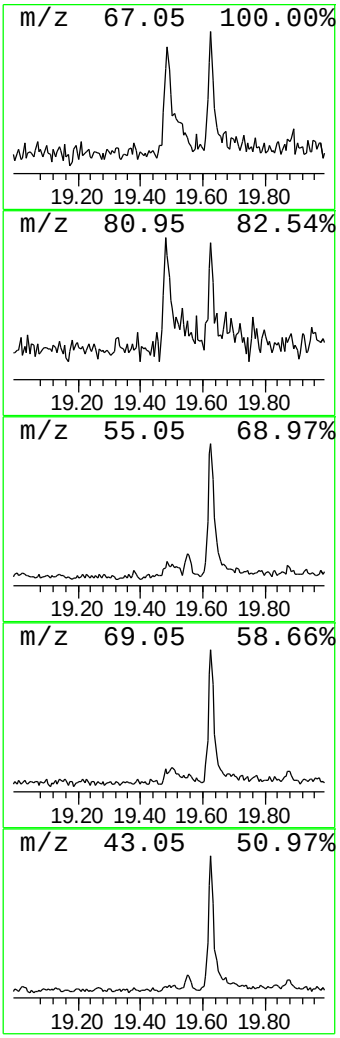
Peak Number 16 3,4-Octadiene, 7-methyl- Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.49	3.39 ng	185932	Phenanthrene-d10	17.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3,4-Octadiene, 7-methyl-	124	C9H16	037050-05-8	62
2	5-Dodecyne	166	C12H22	019780-12-2	62
3	1-Methyl-2-methylenecyclohexane	110	C8H14	002808-75-5	52
4	9,12-Octadecadienoic acid, methy...	294	C19H34O2	002566-97-4	52
5	7-Hexadecyne	222	C16H30	074685-28-2	50





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Misc :
ALS Vial : 35 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : WATER

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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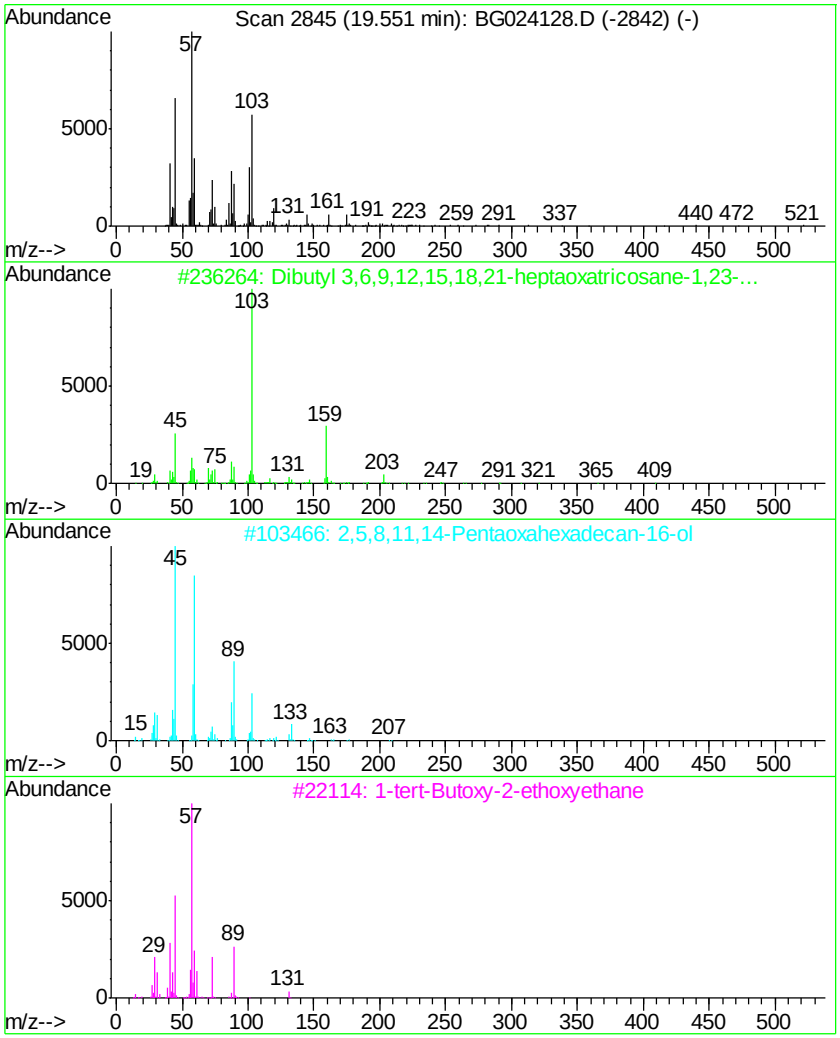
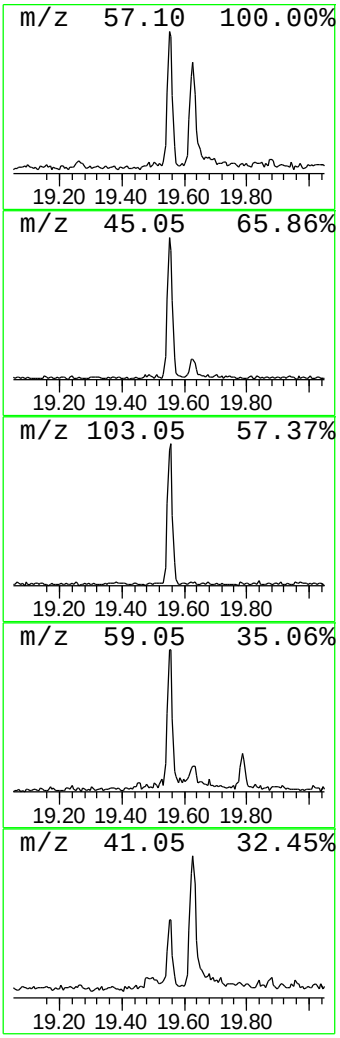
Peak Number 17 unknown19.55 Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.55	7.26 ng	398085	Phenanthrene-d10	17.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dibutyl 3,6,9,12,15,18,21-heptao...	510	C24H46O11	1000366-79-9	43
2	2,5,8,11,14-Pentaoxahexadecan-16-ol	252	C11H24O6	023778-52-1	38
3	1-tert-Butoxy-2-ethoxyethane	146	C8H18O2	051422-54-9	38
4	Butyl 2-(2-(2-ethoxyethoxy)ethox...	248	C12H24O5	1000366-77-5	38
5	3,6,9,12-Tetraoxahexadecan-1-ol	250	C12H26O5	001559-34-8	38





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Instrument : BNA_G
ClientSampleId : WATER

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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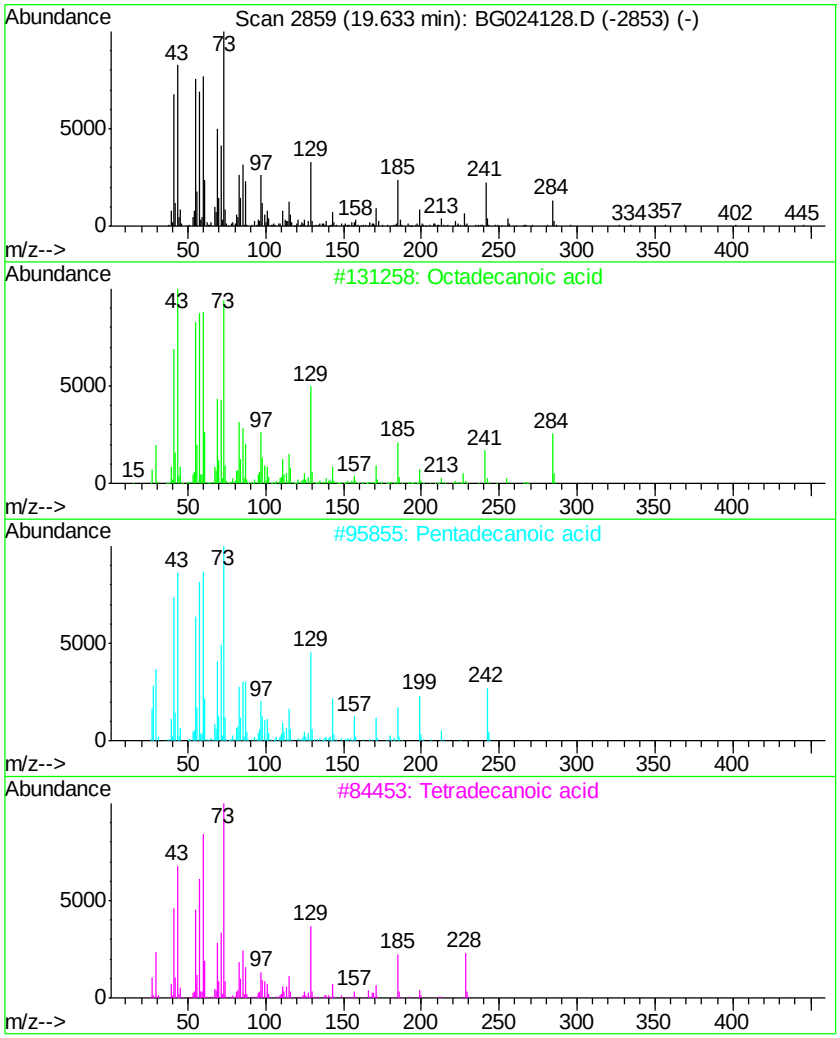
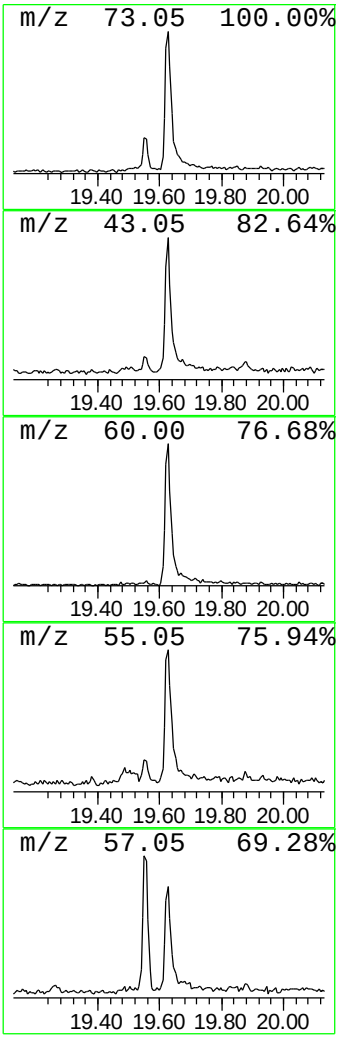
Peak Number 18 Octadecanoic acid Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.63	17.48 ng	957768	Phenanthrene-d10	17.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Octadecanoic acid	284	C18H36O2	000057-11-4	98
2	Pentadecanoic acid	242	C15H30O2	001002-84-2	93
3	Tetradecanoic acid	228	C14H28O2	000544-63-8	64
4	n-Decanoic acid	172	C10H20O2	000334-48-5	43
5	Oxalic acid, propyl tetradecyl e...	328	C19H36O4	1000309-26-7	25





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Acq On : 24 Sep 2016 17:45
Operator : UM/SJ
Sample : H4865-02
Misc :
ALS Vial : 35 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : WATER

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\8270-BG092316.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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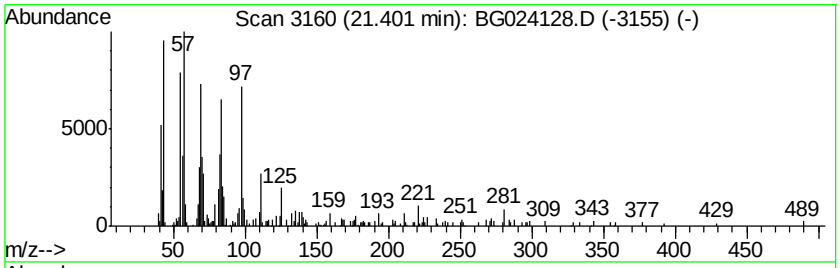
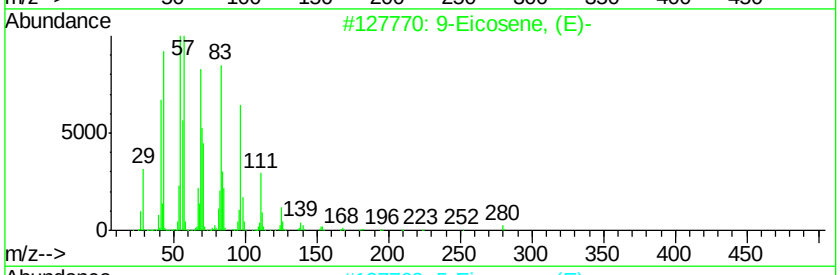
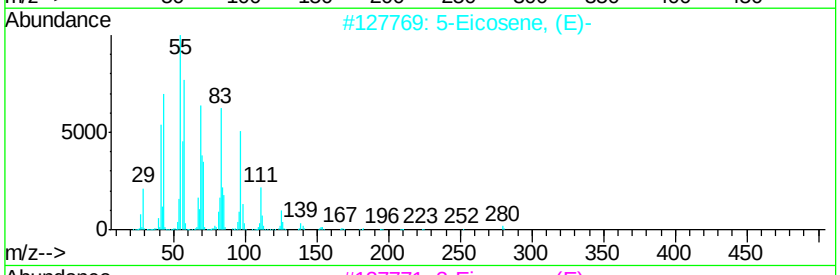
Peak Number 19 9-Eicosene, (E)- Concentration Rank 11

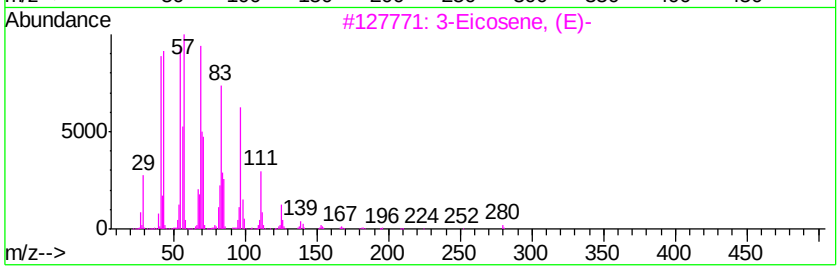
R.T.	EstConc	Area	Relative to ISTD	R.T.
21.40	4.44 ng	265481	Chrysene-d12	21.79

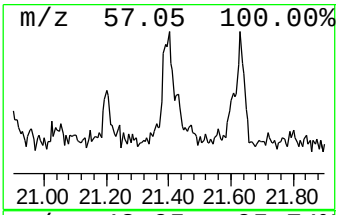
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9-Eicosene, (E)-	280	C20H40	074685-29-3	93
2	5-Eicosene, (E)-	280	C20H40	074685-30-6	91
3	3-Eicosene, (E)-	280	C20H40	074685-33-9	90
4	1-Hexacosanol	382	C26H54O	000506-52-5	86
5	n-Heptadecanol-1	256	C17H36O	001454-85-9	83

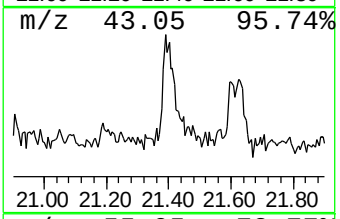


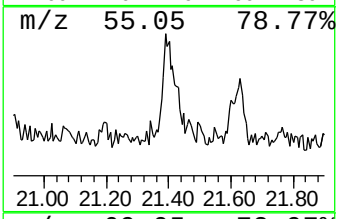


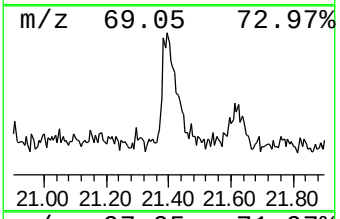


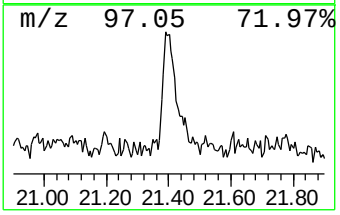












Data Path : Z:\HPCHEM1\BNA_G\DATA\BG092316\
Data File : BG024128.D
Acq On : 24 Sep 2016 17:45
Operator : UM/SJ
Sample : H4865-02
Misc :
ALS Vial : 35 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : WATER

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\8270-BG092316.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

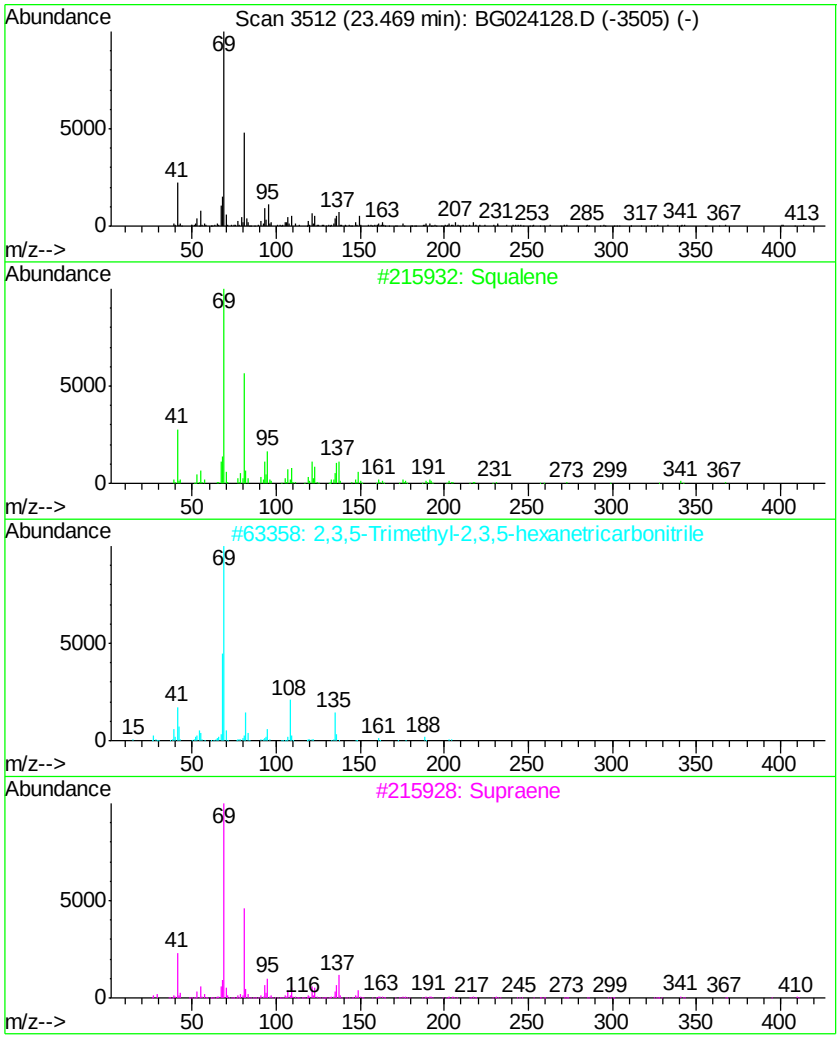
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

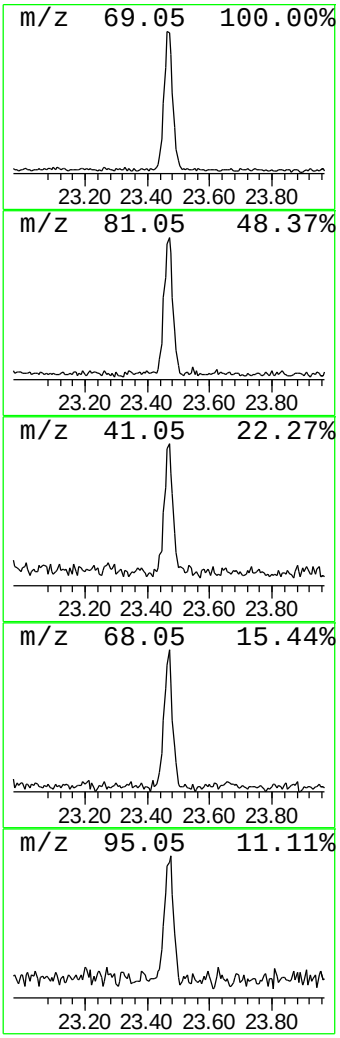
****

Peak Number 20 Squalene Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
23.47	8.04 ng	454772	Perylene-d12	25.13

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Squalene	410	C30H50	000111-02-4	86
2	2,3,5-Trimethyl-2,3,5-hexanetric...	203	C12H17N3	003974-79-6	72
3	Supraene	410	C30H50	007683-64-9	72
4	7,11-Dimethyldodeca-2,6,10-trien...	208	C14H24O	125529-10-4	72
5	1-(Phenylthio)-3,7,11-trimethyl-...	314	C21H30S	028413-57-2	72





Tentatively Identified Compound (LSC) summary

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG092316\
Data File : BG024128.D
Acq On : 24 Sep 2016 17:45
Operator : UM/SJ
Sample : H4865-02
Misc :
ALS Vial : 35 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : WATER

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\8270-BG092316.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT 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
2-Pentanone, 4-hy...	5.10	28.6	ng	489004	1	8.04	342370	20.0
Heptanoic acid	7.08	3.1	ng	52356	1	8.04	342370	20.0
unknown7.57	7.57	72.5	ng	1240550	1	8.04	342370	20.0
Hexanoic acid, 2-...	9.35	3.3	ng	56995	1	8.04	342370	20.0
unknown9.47	9.47	2.8	ng	71426	2	10.87	509754	20.0
Levomenthol	10.64	2.9	ng	75010	2	10.87	509754	20.0
Benzothiazole	11.54	6.0	ng	152654	2	10.87	509754	20.0
Pyridine, 2-butyl...	13.58	3.1	ng	119260	3	14.72	767444	20.0
unknown14.35	14.35	4.5	ng	174482	3	14.72	767444	20.0
Diethyltoluamide	15.45	11.6	ng	446686	3	14.72	767444	20.0
unknown15.53	15.53	2.8	ng	106741	3	14.72	767444	20.0
Carbonic acid, 4-...	18.02	2.6	ng	145303	4	17.48	1095920	20.0
n-Hexadecanoic acid	18.36	18.8	ng	1028820	4	17.48	1095920	20.0
Benzene, 1,1'-(1-...	18.73	2.7	ng	149050	4	17.48	1095920	20.0
3,4-Octadiene, 7-...	19.49	3.4	ng	185932	4	17.48	1095920	20.0
unknown19.55	19.55	7.3	ng	398085	4	17.48	1095920	20.0
Octadecanoic acid	19.63	17.5	ng	957768	4	17.48	1095920	20.0
9-Eicosene, (E)-	21.40	4.4	ng	265481	5	21.79	1195390	20.0
Squalene	23.47	8.0	ng	454772	6	25.13	1131850	20.0