LSC Area Percent Report

Data Path : V:\HPCHEM1\BNA F\DATA\BF112015\
Data File : BF083101.D
Acq On : 21 Nov 2015 3:32
Operator : UM/IZ
Sample : G4485-05
Misc :
ALS Vial : 30 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : MW-04

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_F\METHODS\8270-BF111915.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	2.670	49	51	54	rBV	82661	143129	1.94%	0.088%
2	4.830	238	240	244	rBV	714253	835103	11.30%	0.516%
3	4.899	244	246	251	rVB2	59217	121046	1.64%	0.075%
4	5.299	278	281	283	rBV	1704412	2398579	32.45%	1.481%
5	5.390	287	289	292	rBV2	139344	195916	2.65%	0.121%
6	5.447	292	294	295	rVV	250793	275078	3.72%	0.170%
7	5.516	295	300	301	rVV2	160272	415124	5.62%	0.256%
8	5.562	301	304	309	rVB3	272264	846377	11.45%	0.523%
9	5.722	313	318	319	rBV3	118890	210274	2.84%	0.130%
10	5.756	319	321	323	rVB	74617	102210	1.38%	0.063%
11	5.836	325	328	331	rBV4	42823	101286	1.37%	0.063%
12	5.893	331	333	334	rBV	80330	86170	1.17%	0.053%
13	5.950	337	338	341	rVB2	103937	135997	1.84%	0.084%
14	6.007	341	343	344	rBV2	197904	215076	2.91%	0.133%
15	6.144	352	355	358	rVB3	61875	101490	1.37%	0.063%
16	6.202	358	360	361	rBV	200702	288715	3.91%	0.178%
17	6.259	363	365	367	rVB2	88850	136256	1.84%	0.084%
18	6.304	367	369	370	rBV	147381	221027	2.99%	0.136%
19	6.350	371	373	376	rVV	1097819	1681086	22.74%	1.038%
20	6.396	376	377	379	rVV2	116819	180032	2.44%	0.111%
21	6.476	381	384	385	rVV	3703021	4147317	56.11%	2.561%
22	6.499	385	386	388	rVB	119768	87174	1.18%	0.054%
23	6.545	388	390	391	rBV	217205	259936	3.52%	0.160%
24	6.579	391	393	395	rVV	246755	556008	7.52%	0.343%
25	6.647	395	399	401	rVV2	595225	1772576	23.98%	1.094%
26	6.705	401	404	408	rVB2	1552733	3007537	40.69%	1.857%
27	6.762	408	409	411	rBV2	180006	178437	2.41%	0.110%
28	6.853	414	417	420	rBV	2919821	4028397	54.50%	2.487%
29	6.922	422	423	425	rBV2	132226	231598	3.13%	0.143%
30	7.036	431	433	437	rBV3	529965	1178210	15.94%	0.727%
31	7.105	437	439	441	rBV	530761	783442	10.60%	0.484%
32	7.139	441	442	446	rVV2	647036	828406	11.21%	0.511%
33	7.265	446	453	455	rVV3	2799061	5879473	79.55%	3.630%
34	7.310	455	457	459	rVV2	567007	915895	12.39%	0.566%

LSC Area Percent Report

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Acq On : 21 Nov 2015 3:32
Operator : UM/IZ
Sample : G4485-05
Misc :
ALS Vial : 30 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : MW-04

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_F\METHODS\8270-BF111915.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

35	7.356	459	461	464	rVV4	702666	1617078	21.88%	0.998%
36	7.413	464	466	470	rVV3	713238	1572556	21.28%	0.971%
37	7.482	470	472	476	rVV4	794742	2047835	27.71%	1.264%
38	7.573	478	480	482	rVV3	646809	1270697	17.19%	0.785%
39	7.607	482	483	486	rVB2	721852	1090581	14.76%	0.673%
40	7.779	491	498	500	rBV2	1555180	4045675	54.74%	2.498%
41	7.848	500	504	507	rBV3	815993	2174814	29.42%	1.343%
42	7.939	507	512	514	rBV5	941052	2686725	36.35%	1.659%
43	7.996	514	517	521	rVB3	1941677	4994819	67.58%	3.084%
44	8.133	522	529	530	rVB4	1567788	5001950	67.67%	3.088%
45	8.168	530	532	533	rBV	531372	946183	12.80%	0.584%
46	8.190	533	534	536	rVB2	885032	988371	13.37%	0.610%
47	8.248	536	539	540	rBV	1362788	1830515	24.77%	1.130%
48	8.270	540	541	543	rBV	1944480	3035193	41.06%	1.874%
49	8.373	547	550	551	rBV3	1133371	2038539	27.58%	1.259%
50	8.430	552	555	556	rBV2	1292391	1819898	24.62%	1.124%
51	8.545	562	565	566	rBV	2468657	4150075	56.15%	2.562%
52	8.590	566	569	571	rVV3	3129214	7391262	100.00%	4.564%
53	8.670	575	576	577	rVV	1358824	1014813	13.73%	0.627%
54	8.705	577	579	581	rVV2	1770808	2795513	37.82%	1.726%
55	8.808	585	588	589	rVV	1666531	1973066	26.69%	1.218%
56	8.853	589	592	593	rVV	1721041	2661318	36.01%	1.643%
57	8.888	593	595	597	rVV	1990899	2981655	40.34%	1.841%
58	8.922	597	598	600	rVV2	1598725	2797533	37.85%	1.727%
59	9.002	604	605	606	rVV	1607226	2110665	28.56%	1.303%
60	9.036	606	608	610	rVV2	2863875	6081458	82.28%	3.755%
61	9.082	610	612	613	rVV	4710233	6173923	83.53%	3.812%
62	9.116	613	615	618	rVV3	1570058	4380301	59.26%	2.705%
63	9.208	621	623	624	rVB	1433752	1690297	22.87%	1.044%
64	9.333	631	634	637	rVB4	1477629	3009661	40.72%	1.858%
65	9.391	637	639	644	rBV6	696913	1951566	26.40%	1.205%
66	9.482	644	647	649	rBV2	1890017	3473669	47.00%	2.145%
67	9.539	649	652	653	rVB3	856630	1708628	23.12%	1.055%
68	9.688	664	665	668	rBV3	556288	1146846	15.52%	0.708%
69	9.745	668	670	672	rVV3	1672206	2093375	28.32%	1.293%
70	9.791	672	674	677	rVV4	1103070	2385538	32.28%	1.473%
71	9.871	680	681	683	rBV2	828841	886140	11.99%	0.547%

LSC Area Percent Report

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Misc :
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Instrument : BNA_F
ClientSampleId : MW-04

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
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Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF111915.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

72	9.939	685	687	688	rBV2	954194	1262677	17.08%	0.780%
73	10.111	700	702	703	rBV2	919294	1460493	19.76%	0.902%
74	10.145	703	705	707	rVV3	1049315	2024153	27.39%	1.250%
75	10.202	708	710	713	rVB3	1759898	2465834	33.36%	1.522%
76	10.271	713	716	720	rBV4	1229221	2266443	30.66%	1.399%
77	10.339	720	722	725	rBV3	692506	1400680	18.95%	0.865%
78	10.408	725	728	729	rBV3	875081	1640367	22.19%	1.013%
79	10.545	738	740	741	rBV2	1642656	1597101	21.61%	0.986%
80	10.648	747	749	751	rBV3	805307	1357035	18.36%	0.838%
81	10.728	755	756	757	rBV	554767	510114	6.90%	0.315%
82	10.785	759	761	763	rVV3	638180	1506632	20.38%	0.930%
83	10.865	767	768	770	rBV2	606809	560708	7.59%	0.346%
84	11.128	788	791	794	rVB3	2072687	2777973	37.58%	1.715%
85	11.231	799	800	802	rBV	780268	981480	13.28%	0.606%
86	11.814	849	851	853	rVB	1516370	1618028	21.89%	0.999%
87	12.579	916	918	920	rVB	759001	713768	9.66%	0.441%
88	12.819	936	939	941	rBV	3025240	3050606	41.27%	1.884%
89	13.688	1013	1015	1017	rBV	132858	138229	1.87%	0.085%
90	13.734	1017	1019	1027	rVB	259403	383396	5.19%	0.237%
91	13.860	1027	1030	1032	rBV	821434	963987	13.04%	0.595%
92	15.231	1148	1150	1153	rVB	482881	717505	9.71%	0.443%

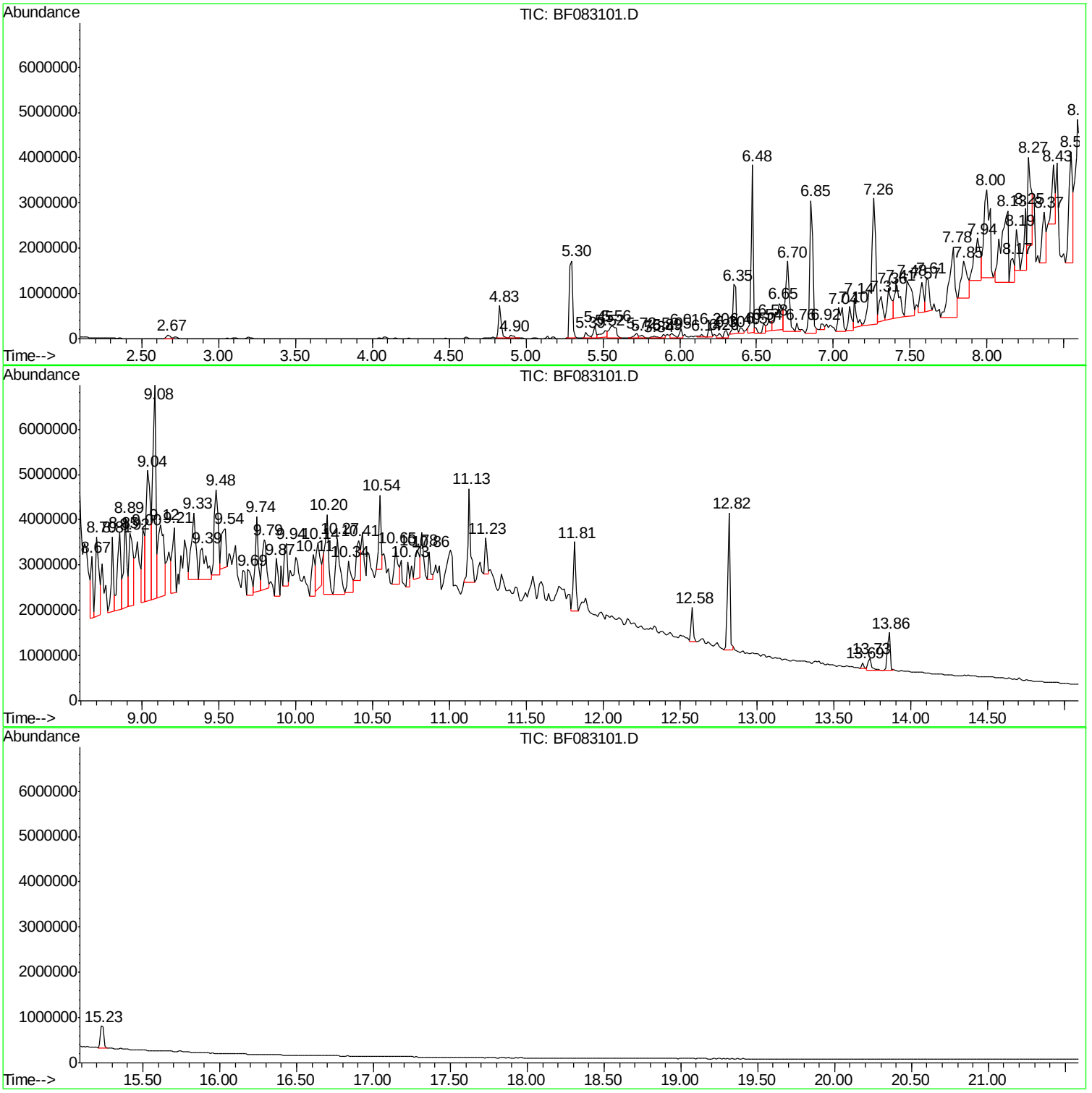
Sum of corrected areas: 161960317

Data Path : V:\HPCHEM1\BNA F\DATA\BF112015\
Data File : BF083101.D
Acq On : 21 Nov 2015 3:32
Operator : UM/IZ
Sample : G4485-05
Misc :
ALS Vial : 30 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
MW-04

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF111915.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P



Data Path : V:\HPCHEM1\BNA F\DATA\BF112015\
Data File : BF083101.D
Acq On : 21 Nov 2015 3:32
Operator : UM/IZ
Sample : G4485-05
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Instrument : BNA_F
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

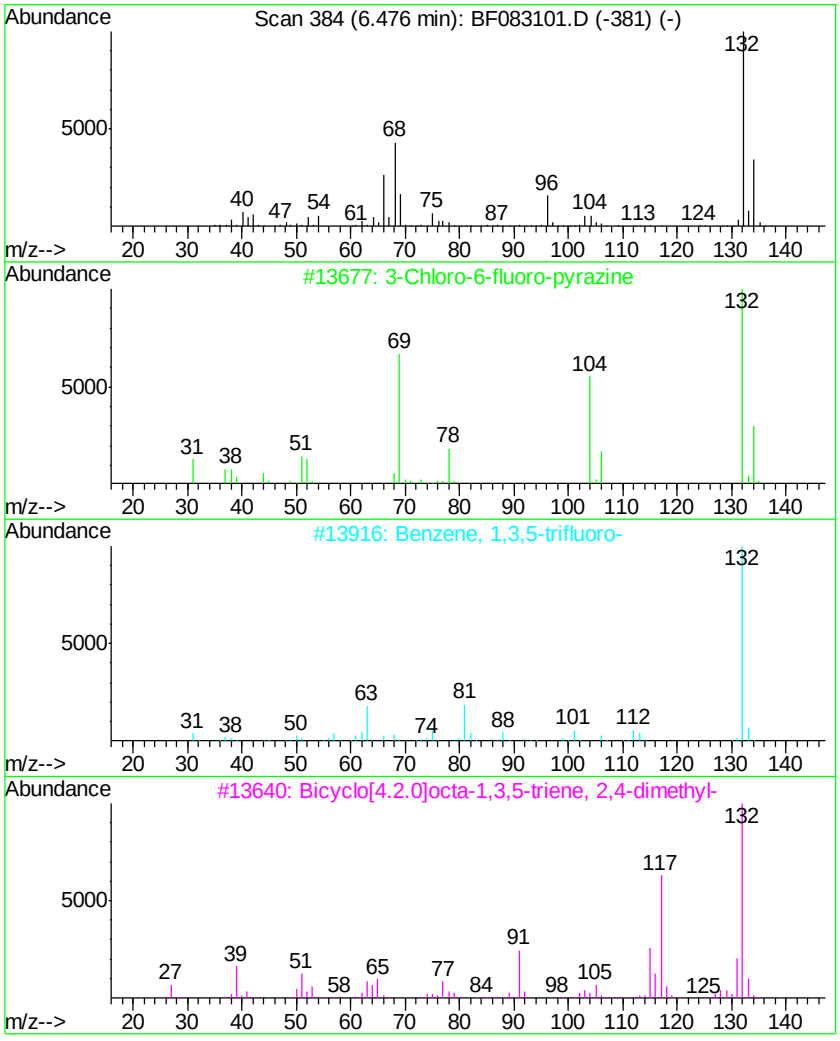
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

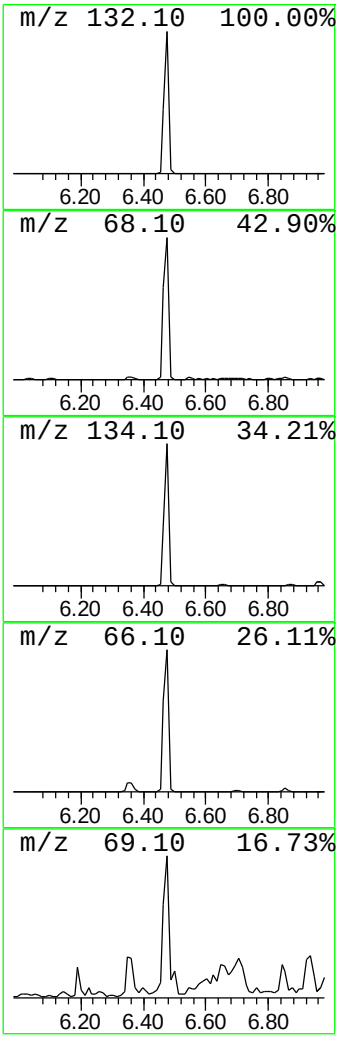
****

Peak Number 1 unknown6.48 Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.48	27.58 ng	4147320	1,4-Dichlorobenzene-d4	6.70

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-Chloro-6-fluoro-pyrazine	132	C4H2ClFN2	1000146-10-7	27
2	Benzene, 1,3,5-trifluoro-	132	C6H3F3	000372-38-3	9
3	Bicyclo[4.2.0]octa-1,3,5-triene,...	132	C10H12	028749-81-7	9
4	4-Chloro-6-fluoro-pyrimidine	132	C4H2ClFN2	051422-01-6	9
5	5-Aminoindole	132	C8H8N2	005192-03-0	9





Data Path : V:\HPCHEM1\BNA F\DATA\BF112015\
Data File : BF083101.D
Acq On : 21 Nov 2015 3:32
Operator : UM/IZ
Sample : G4485-05
Misc :
ALS Vial : 30 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : MW-04

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF111915.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

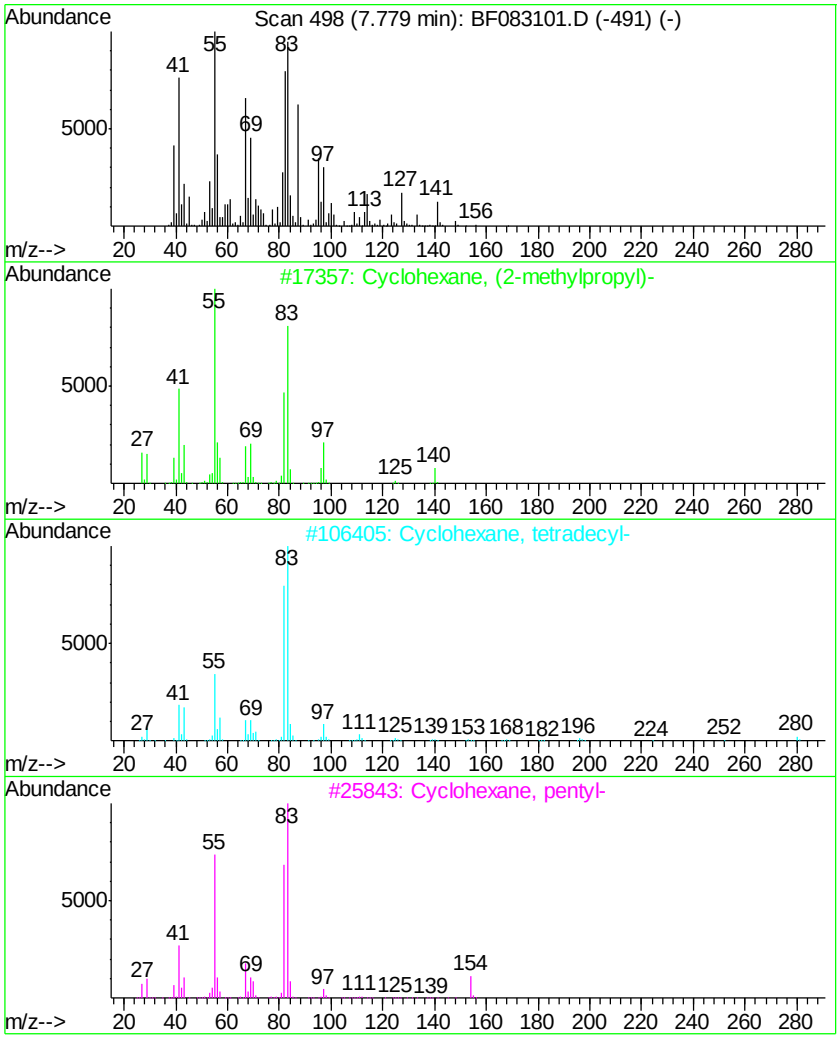
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

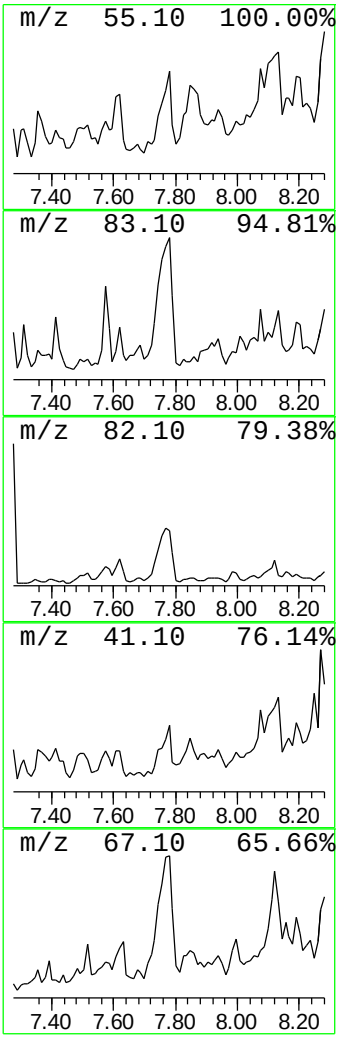
****

Peak Number 3 unknown7.78 Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.78	16.20 ng	4045680	Naphthalene-d8	8.00

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, (2-methylpropyl)-	140	C10H20	001678-98-4	47
2	Cyclohexane, tetradecyl-	280	C20H40	001795-18-2	43
3	Cyclohexane, pentyl-	154	C11H22	004292-92-6	43
4	Cyclohexane, eicosyl-	364	C26H52	004443-55-4	38
5	3,4-Nonadiene	124	C9H16	037050-03-6	35





Data Path : V:\HPCHEM1\BNA F\DATA\BF112015\
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Sample : G4485-05
Misc :
ALS Vial : 30 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : MW-04

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF111915.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

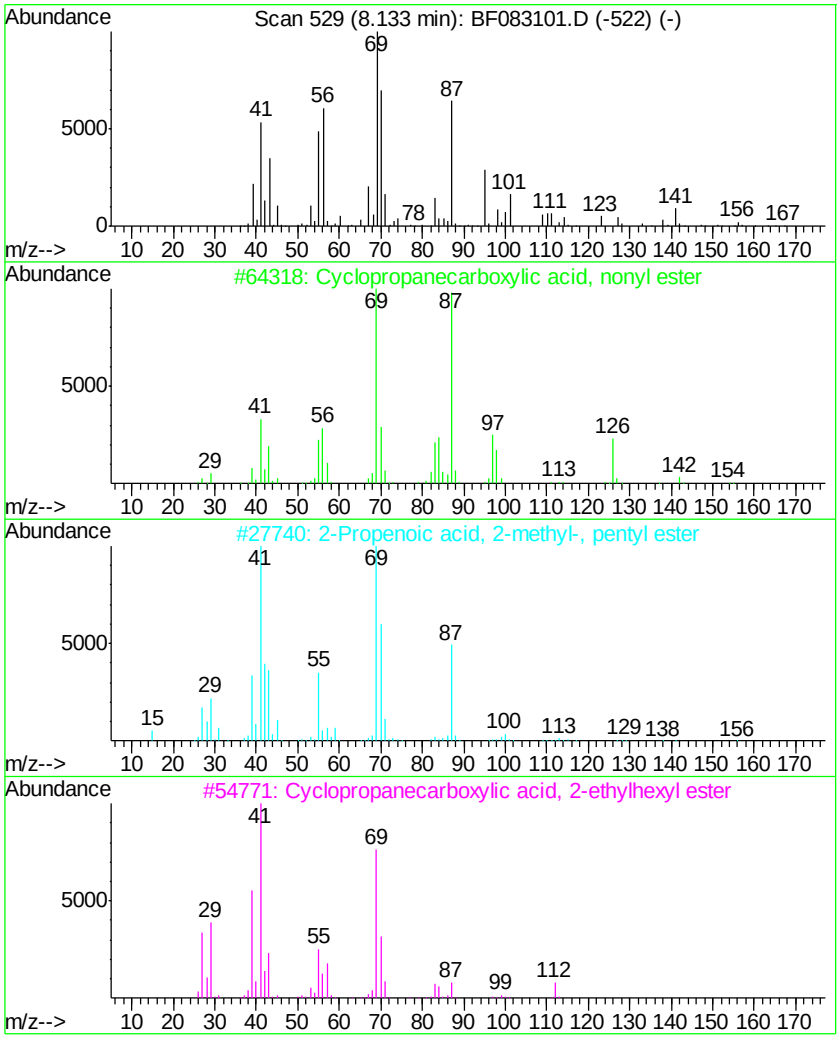
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

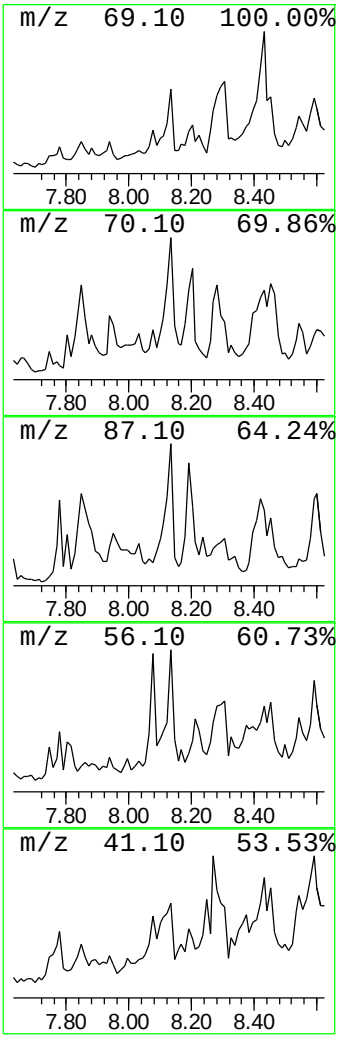
****

Peak Number 4 Cyclopropanecarboxylic acid... Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.13	20.03 ng	5001950	Naphthalene-d8	8.00

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopropanecarboxylic acid, non...	212	C13H24O2	060128-06-5	50
2	2-Propenoic acid, 2-methyl-, pen...	156	C9H16O2	002849-98-1	47
3	Cyclopropanecarboxylic acid, 2-e...	198	C12H22O2	103604-31-5	38
4	1H-Tetrazole, 1,5-dimethyl-	98	C3H6N4	005144-11-6	35
5	Cyclobutane, 2-hexyl-1,1,4-trime...	182	C13H26	049622-19-7	35





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Misc :
ALS Vial : 30 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : MW-04

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF111915.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

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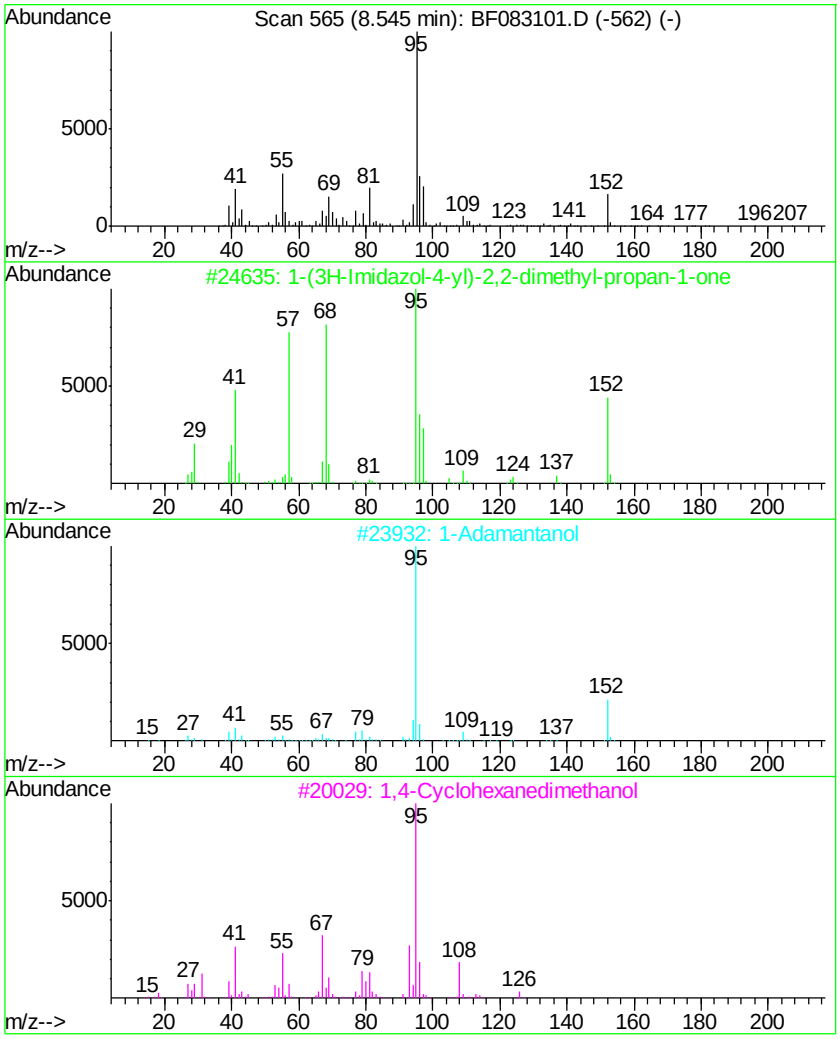
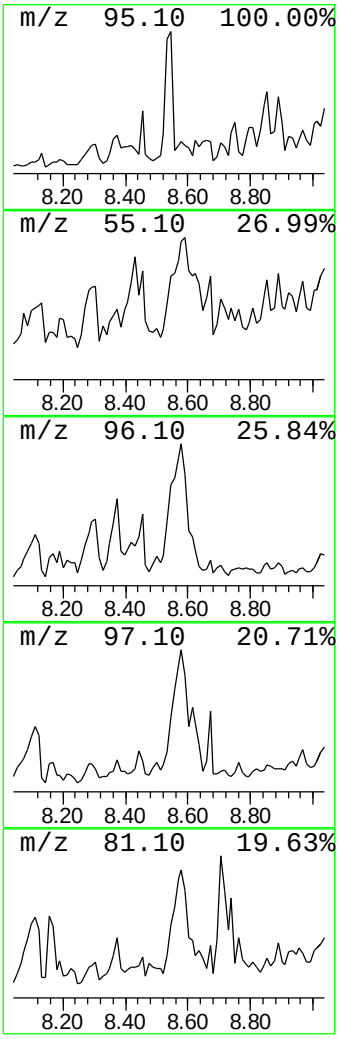
Peak Number 5 1-(3H-Imidazol-4-yl)-2,2-di... Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.54	16.62 ng	4150080	Naphthalene-d8	8.00

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-(3H-Imidazol-4-yl)-2,2-dimethy...	152	C8H12N2O	061985-31-7	72
2	1-Adamantanol	152	C10H16O	000768-95-6	52
3	1,4-Cyclohexanedimethanol	144	C8H16O2	000105-08-8	38
4	2-Pyrimidinamine	95	C4H5N3	000109-12-6	38
5	1,4-Pentadiene, 2,3,4-trimethyl-	110	C8H14	072014-90-5	37





Library Search Compound Report

Data Path : V:\HPCHEM1\BNA F\DATA\BF112015\
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Acq On : 21 Nov 2015 3:32
Operator : UM/IZ
Sample : G4485-05
Misc :
ALS Vial : 30 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : MW-04

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF111915.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

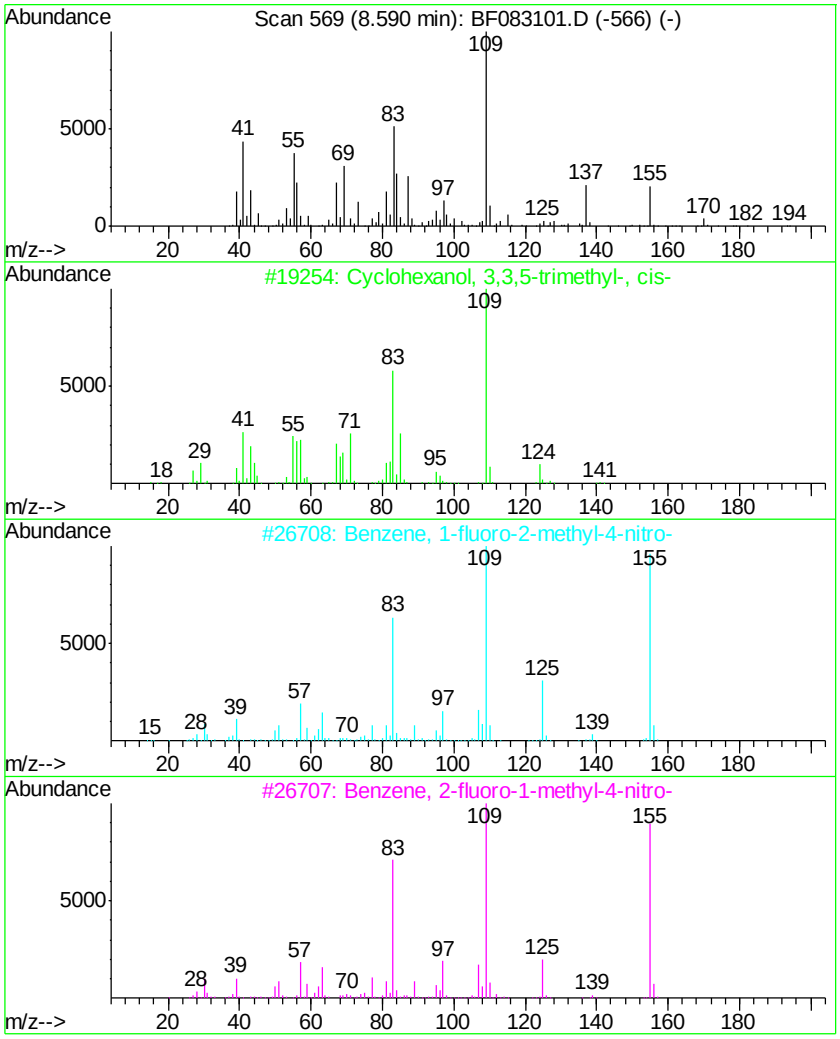
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

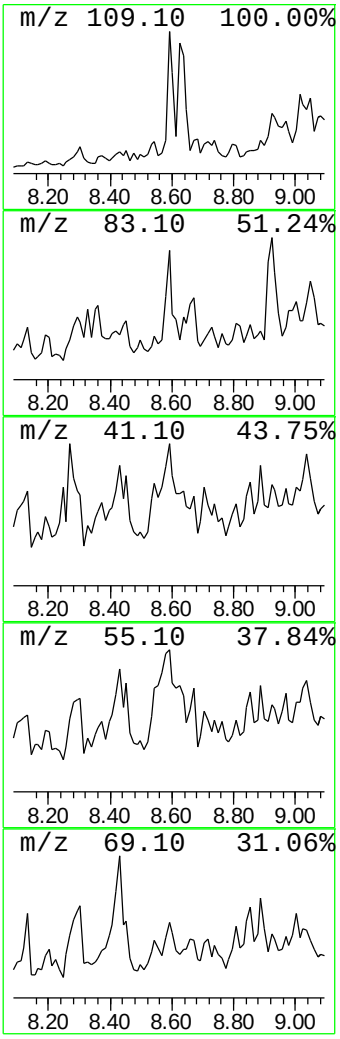
****

Peak Number 6 unknown8.59 Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.59	29.60 ng	7391260	Naphthalene-d8	8.00

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexanol, 3,3,5-trimethyl-, ...	142	C9H18O	000933-48-2	43
2	Benzene, 1-fluoro-2-methyl-4-nitro-	155	C7H6FNO2	000455-88-9	38
3	Benzene, 2-fluoro-1-methyl-4-nitro-	155	C7H6FNO2	001427-07-2	38
4	Cyclohexanol, 3,3,5-trimethyl-	142	C9H18O	000116-02-9	37
5	Cyclopropanecarboxylic acid, 2,2...	168	C10H16O2	033383-56-1	35





Data Path : V:\HPCHEM1\BNA F\DATA\BF112015\
Data File : BF083101.D
Acq On : 21 Nov 2015 3:32
Operator : UM/IZ
Sample : G4485-05
Misc :
ALS Vial : 30 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : MW-04

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF111915.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

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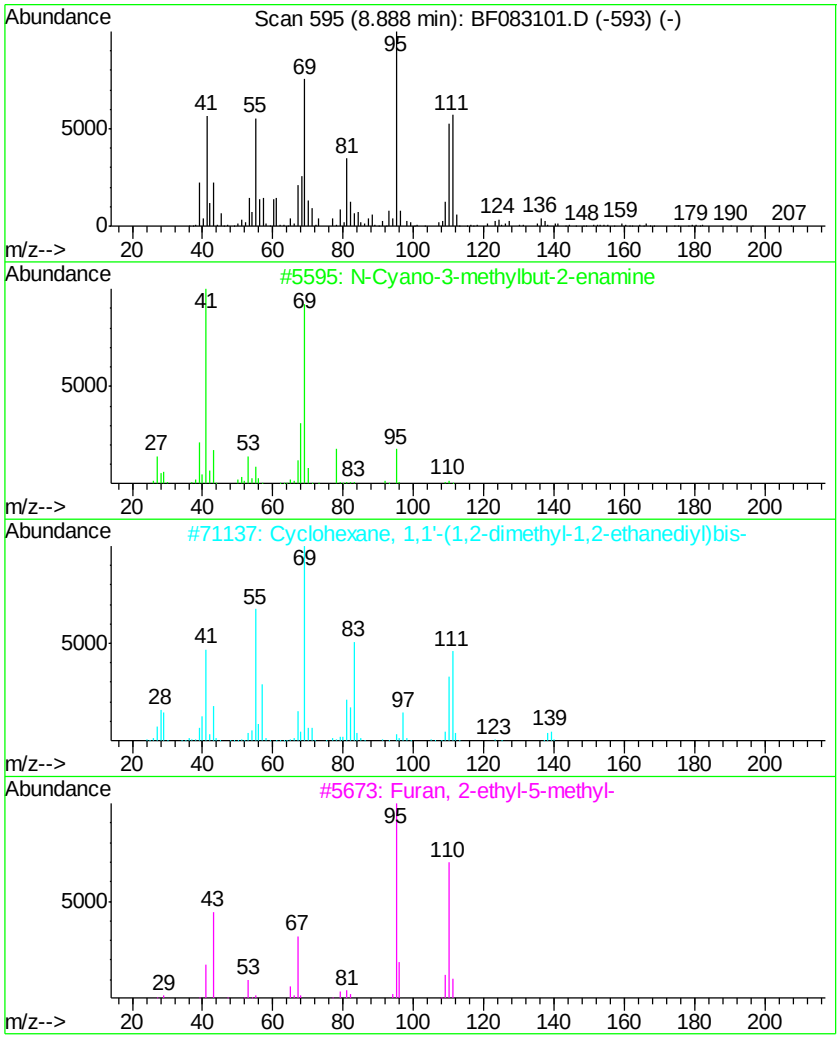
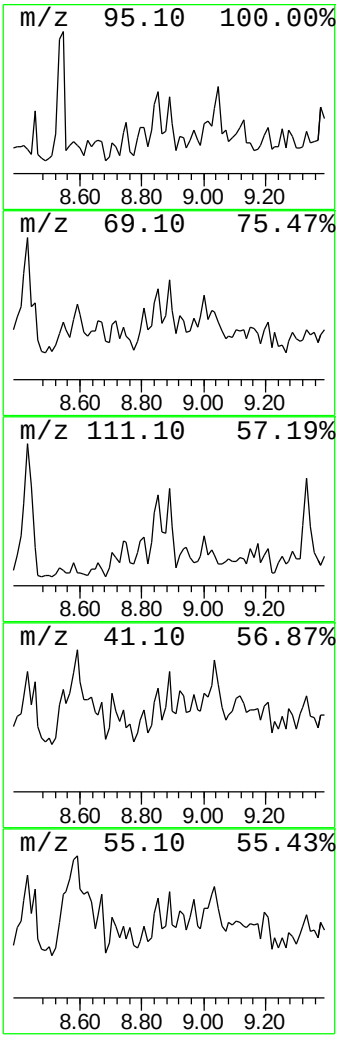
Peak Number 7 N-Cyano-3-methylbut-2-enamine Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.89	28.49 ng	2981660	Acenaphthene-d10	9.74

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	N-Cyano-3-methylbut-2-enamine	110	C6H10N2	146072-39-1	50
2	Cyclohexane, 1,1'-(1,2-dimethyl-...	222	C16H30	074663-71-1	43
3	Furan, 2-ethyl-5-methyl-	110	C7H10O	001703-52-2	38
4	1,3-Dimethyl-1-cyclohexene	110	C8H14	002808-76-6	35
5	3-Hydroxypyridine-N-oxide	111	C5H5NO2	006602-28-4	35





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Data File : BF083101.D
Acq On : 21 Nov 2015 3:32
Operator : UM/IZ
Sample : G4485-05
Misc :
ALS Vial : 30 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : MW-04

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF111915.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

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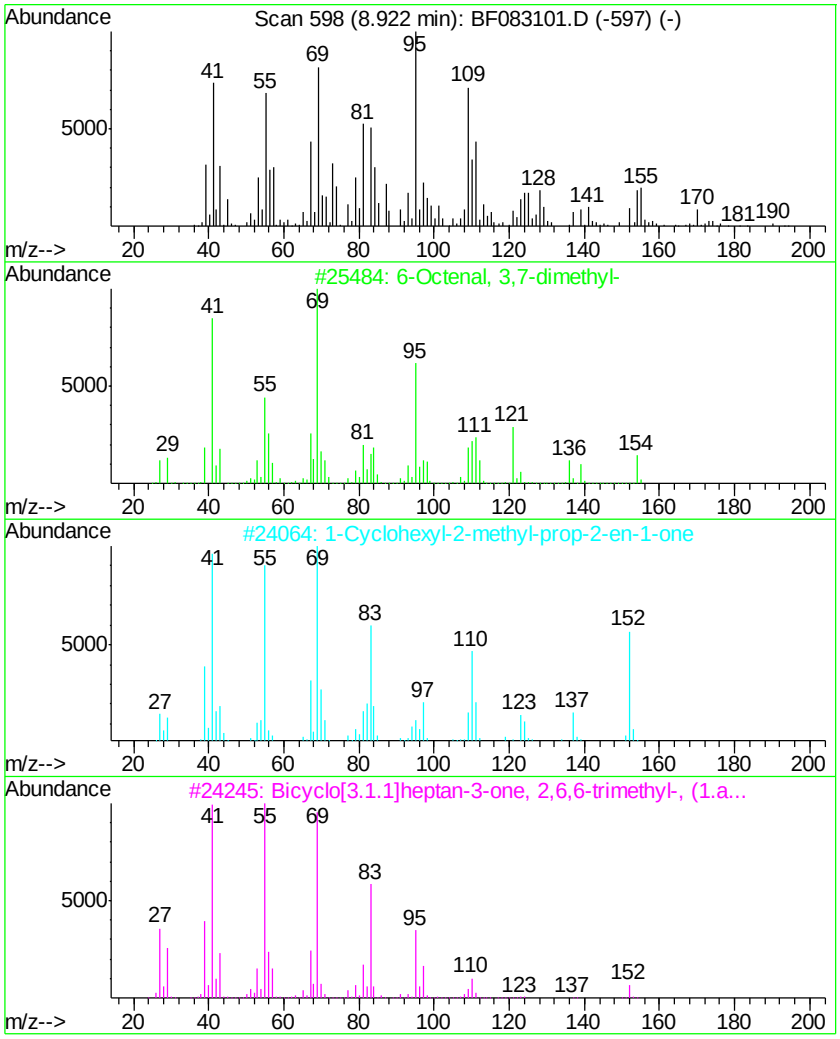
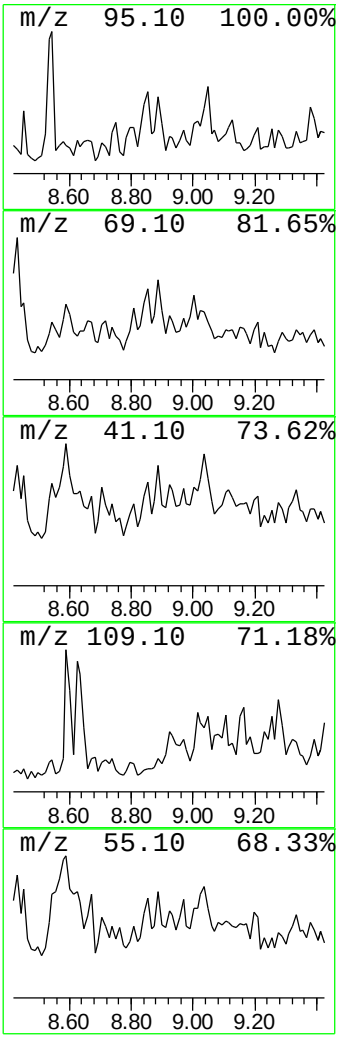
Peak Number 8 6-Octenal, 3,7-dimethyl- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.92	26.73 ng	2797530	Acenaphthene-d10	9.74

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	6-Octenal, 3,7-dimethyl-	154	C10H18O	000106-23-0	50
2	1-Cyclohexyl-2-methyl-prop-2-en-...	152	C10H16O	025183-82-8	43
3	Bicyclo[3.1.1]heptan-3-one, 2,6,...	152	C10H16O	015358-88-0	30
4	3-Undecanol, 2,3-dimethyl-	200	C13H28O	1000149-68-6	27
5	3,6-Octadien-1-ol, 3,7-dimethyl-...	154	C10H18O	005944-20-7	15





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Acq On : 21 Nov 2015 3:32
Operator : UM/IZ
Sample : G4485-05
Misc :
ALS Vial : 30 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : MW-04

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF111915.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

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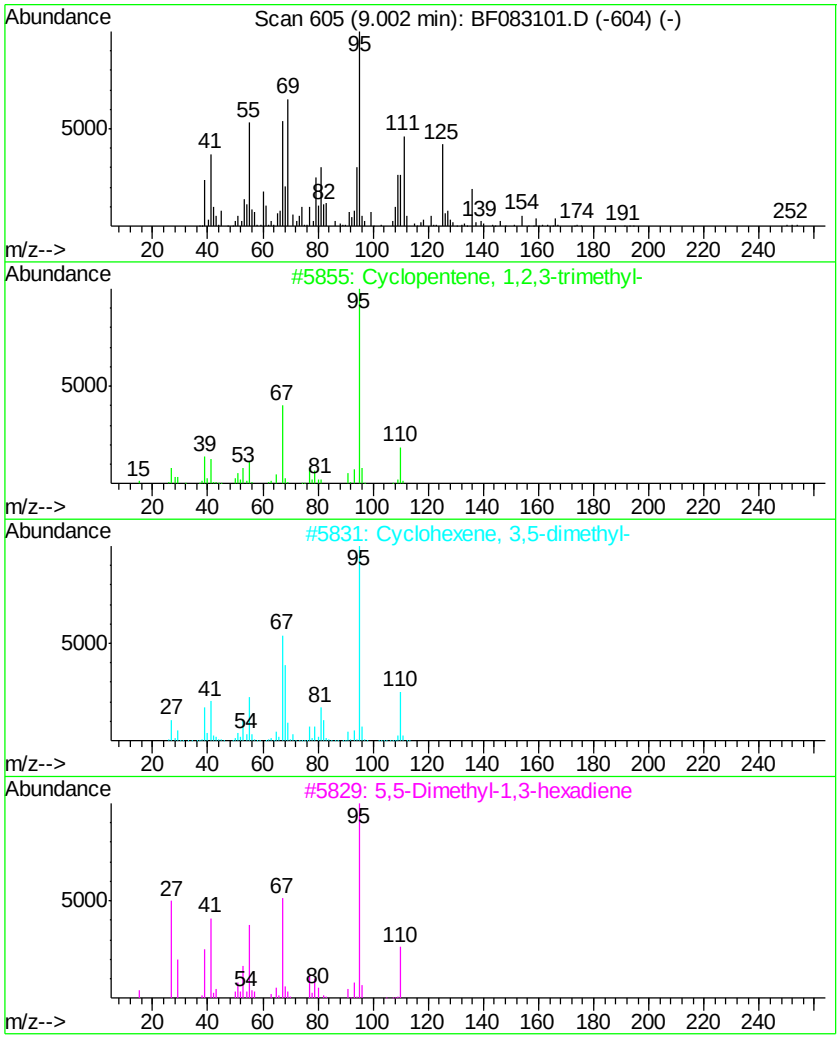
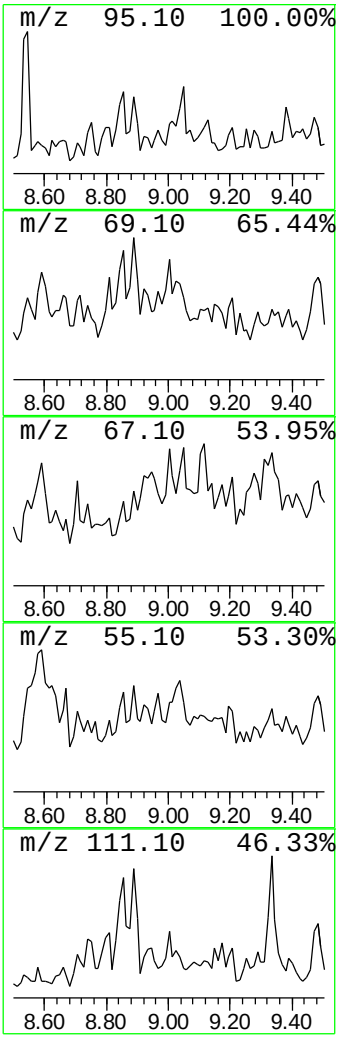
Peak Number 9 unknown9.00 Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.00	20.17 ng	2110670	Acenaphthene-d10	9.74

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopentene, 1,2,3-trimethyl-	110	C8H14	000473-91-6	43
2	Cyclohexene, 3,5-dimethyl-	110	C8H14	000823-17-6	43
3	5,5-Dimethyl-1,3-hexadiene	110	C8H14	001515-79-3	41
4	2-Cyclopentene-1-carboxylic acid...	154	C9H14O2	062185-63-1	38
5	trans-3,5-Dimethylcyclohexene	110	C8H14	056021-63-7	38





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Data File : BF083101.D
Acq On : 21 Nov 2015 3:32
Operator : UM/IZ
Sample : G4485-05
Misc :
ALS Vial : 30 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : MW-04

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF111915.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

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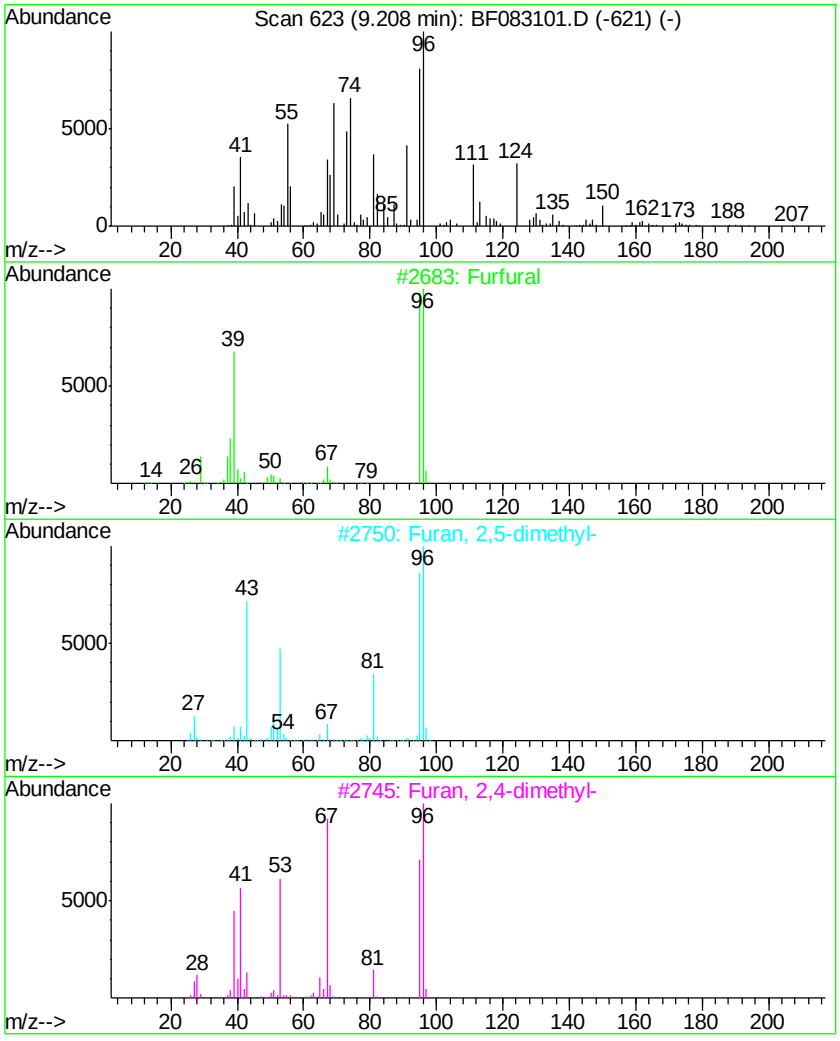
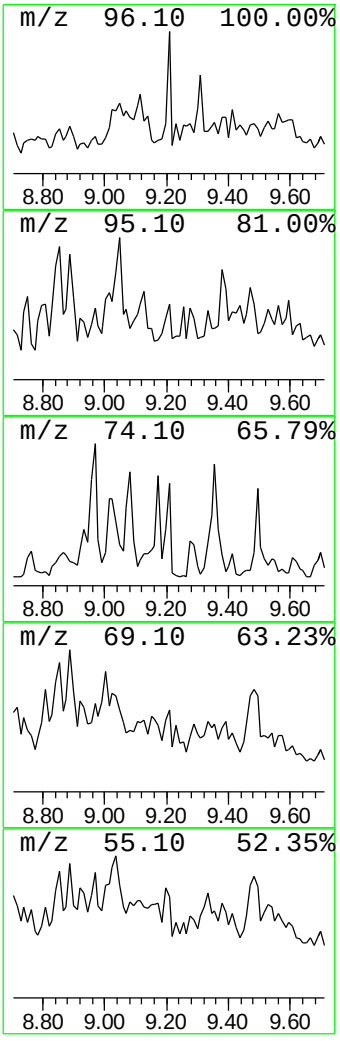
Peak Number 10 unknown9.21 Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.21	16.15 ng	1690300	Acenaphthene-d10	9.74

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Furfural	96	C5H4O2	000098-01-1	46
2	Furan, 2,5-dimethyl-	96	C6H8O	000625-86-5	43
3	Furan, 2,4-dimethyl-	96	C6H8O	003710-43-8	43
4	3-Dimethylaminoacrylonitrile	96	C5H8N2	002407-68-3	43
5	1,Cyanoacetyl-3,5-dimethylpyrazole	163	C8H9N3O	036140-83-7	43





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Data File : BF083101.D
Acq On : 21 Nov 2015 3:32
Operator : UM/IZ
Sample : G4485-05
Misc :
ALS Vial : 30 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : MW-04

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF111915.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

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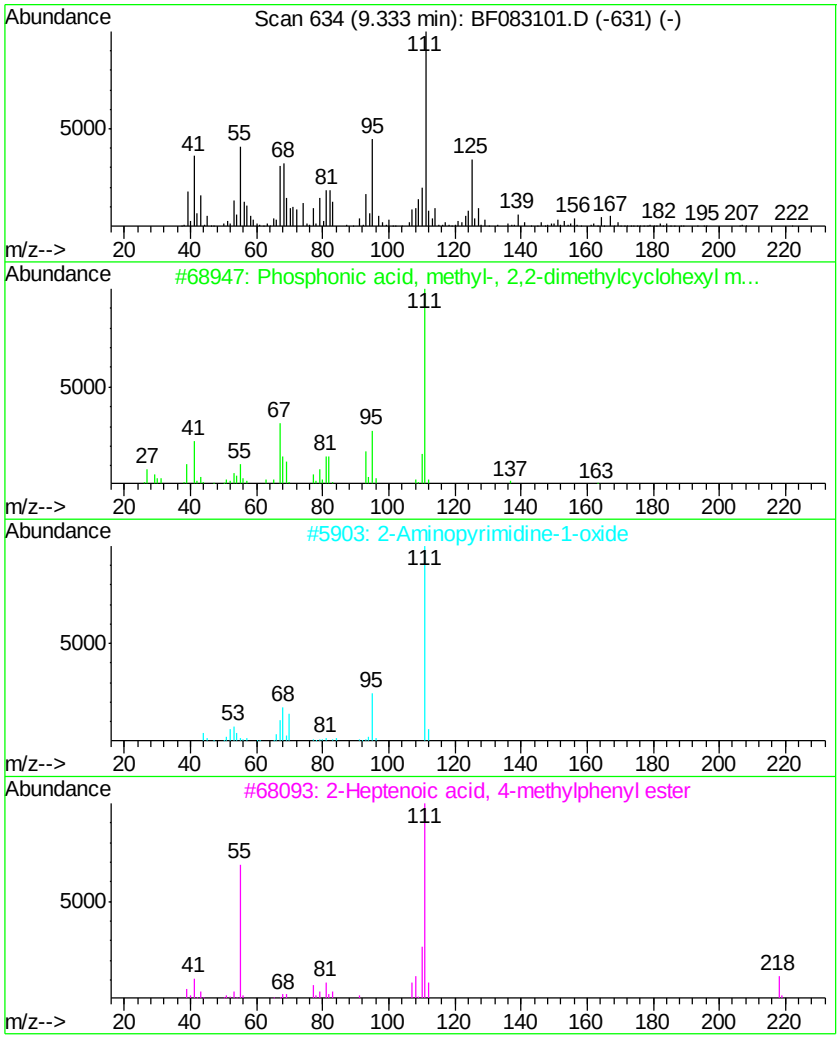
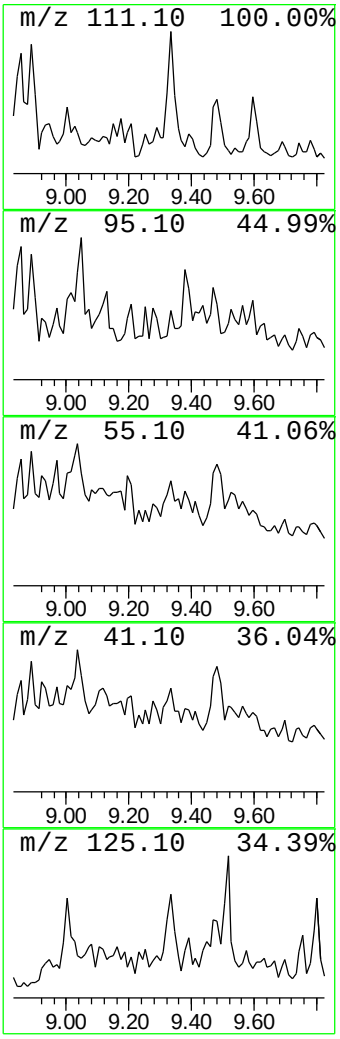
Peak Number 11 unknown9.33 Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.33	28.75 ng	3009660	Acenaphthene-d10	9.74

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phosphonic acid, methyl-, 2,2-di...	220	C10H21O3P	1000273-45-9	47
2	2-Aminopyrimidine-1-oxide	111	C4H5N3O	035034-15-2	47
3	2-Heptenoic acid, 4-methylphenyl...	218	C14H18O2	072060-10-7	38
4	1-Cyclohexanone, 3-butyl-3-methyl-	168	C11H20O	051756-29-7	35
5	.beta.-D-Xylopyranose, cyclic 1,...	226	C9H16B2O5	074779-75-2	35





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Acq On : 21 Nov 2015 3:32
Operator : UM/IZ
Sample : G4485-05
Misc :
ALS Vial : 30 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : MW-04

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF111915.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

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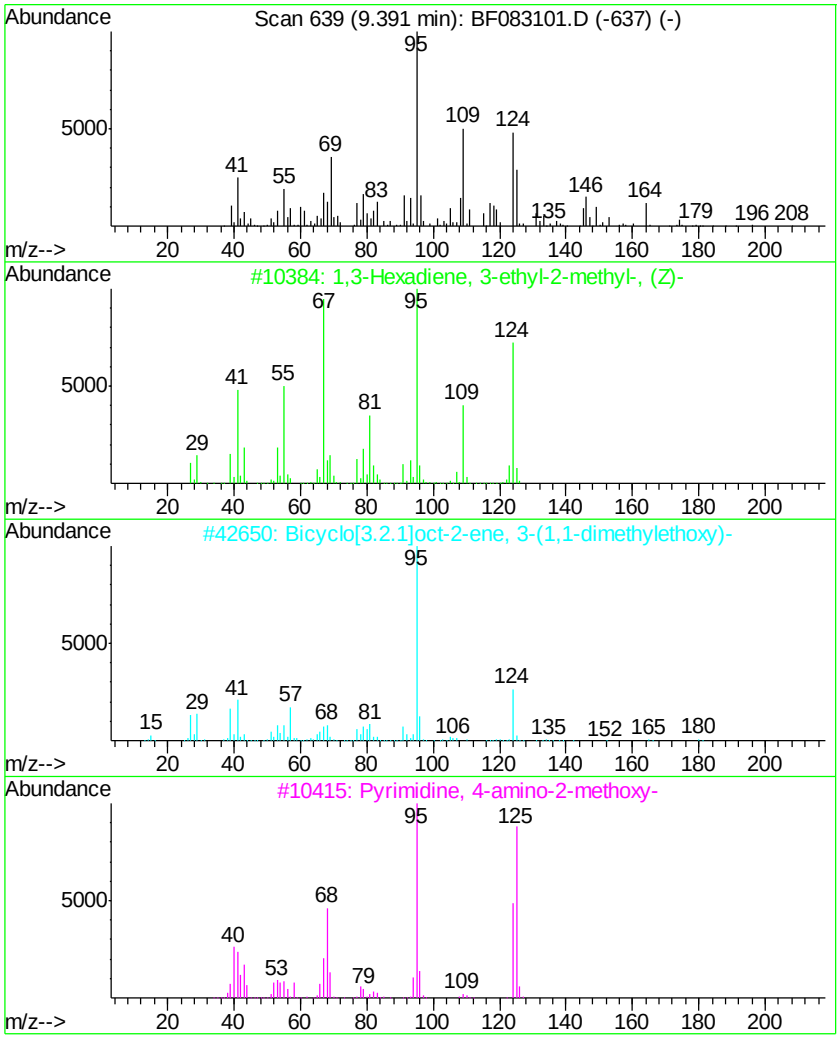
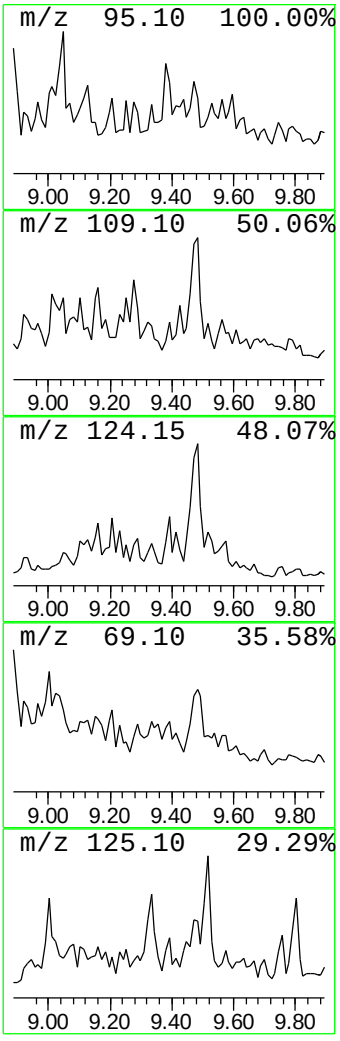
Peak Number 12 1,3-Hexadiene, 3-ethyl-2-me... Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.39	18.65 ng	1951570	Acenaphthene-d10	9.74

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,3-Hexadiene, 3-ethyl-2-methyl-...	124	C9H16	074752-97-9	52
2	Bicyclo[3.2.1]oct-2-ene, 3-(1,1-...	180	C12H20O	037609-41-9	38
3	Pyrimidine, 4-amino-2-methoxy-	125	C5H7N3O	003289-47-2	32
4	Silane, diethyldifluoro-	124	C4H10F2Si	000358-06-5	32
5	Cyclopentanecarboxaldehyde, 2-me...	124	C8H12O	1000154-24-0	30





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Data File : BF083101.D
Acq On : 21 Nov 2015 3:32
Operator : UM/IZ
Sample : G4485-05
Misc :
ALS Vial : 30 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : MW-04

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF111915.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

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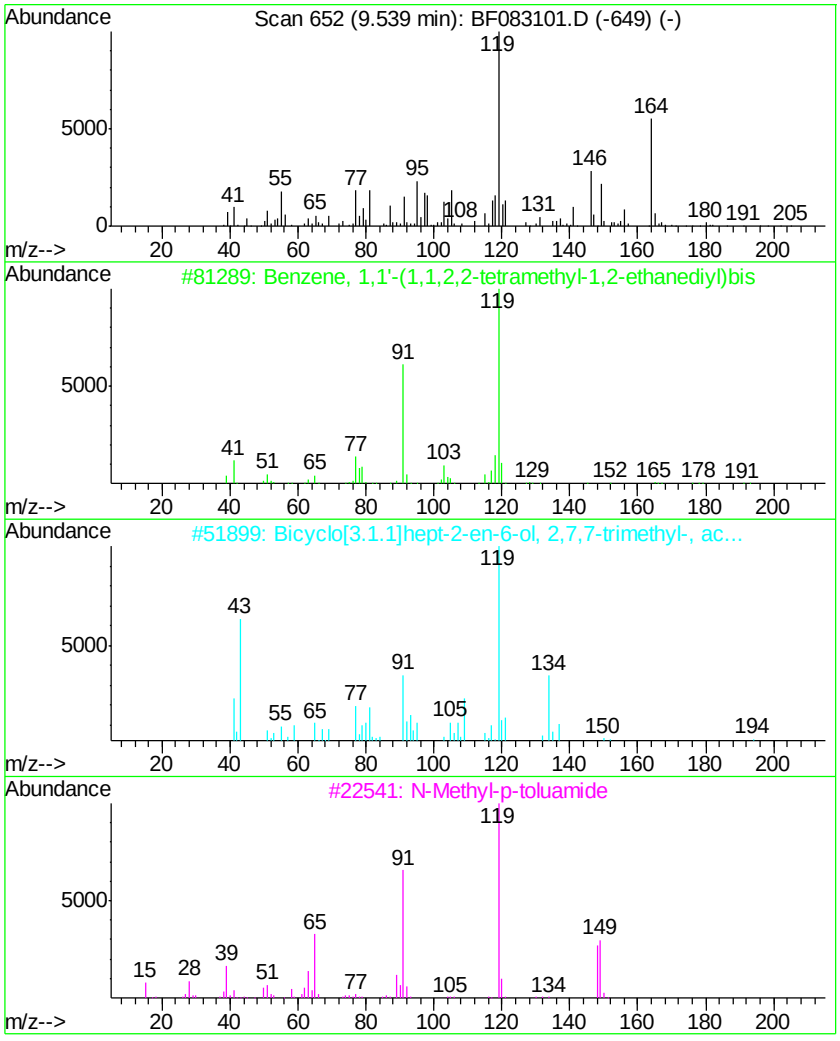
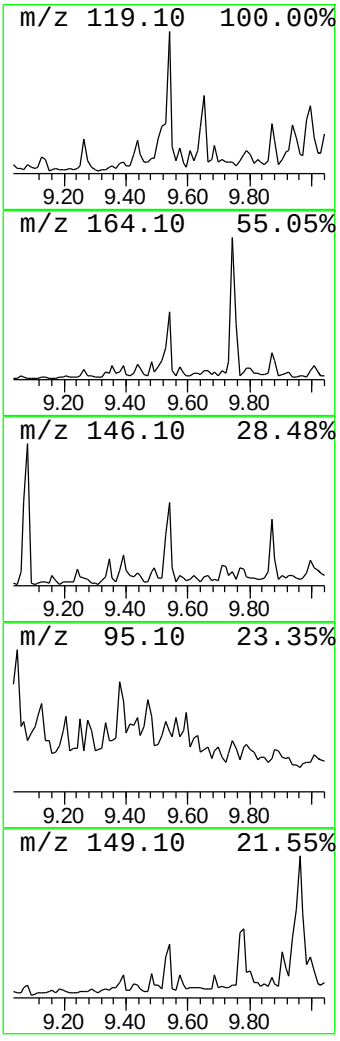
Peak Number 13 unknown9.54 Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.54	16.32 ng	1708630	Acenaphthene-d10	9.74

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1,1'-(1,1,2,2-tetrameth...	238	C18H22	001889-67-4	38
2	Bicyclo[3.1.1]hept-2-en-6-ol, 2,...	194	C12H18O2	050764-55-1	35
3	N-Methyl-p-toluamide	149	C9H11NO	018370-11-1	35
4	2,5-Dimethylbenzyl chloride	154	C9H11Cl	000824-45-3	35
5	Pyridine, 5-ethenyl-2-methyl-	119	C8H9N	000140-76-1	30





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Acq On : 21 Nov 2015 3:32
Operator : UM/IZ
Sample : G4485-05
Misc :
ALS Vial : 30 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : MW-04

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF111915.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

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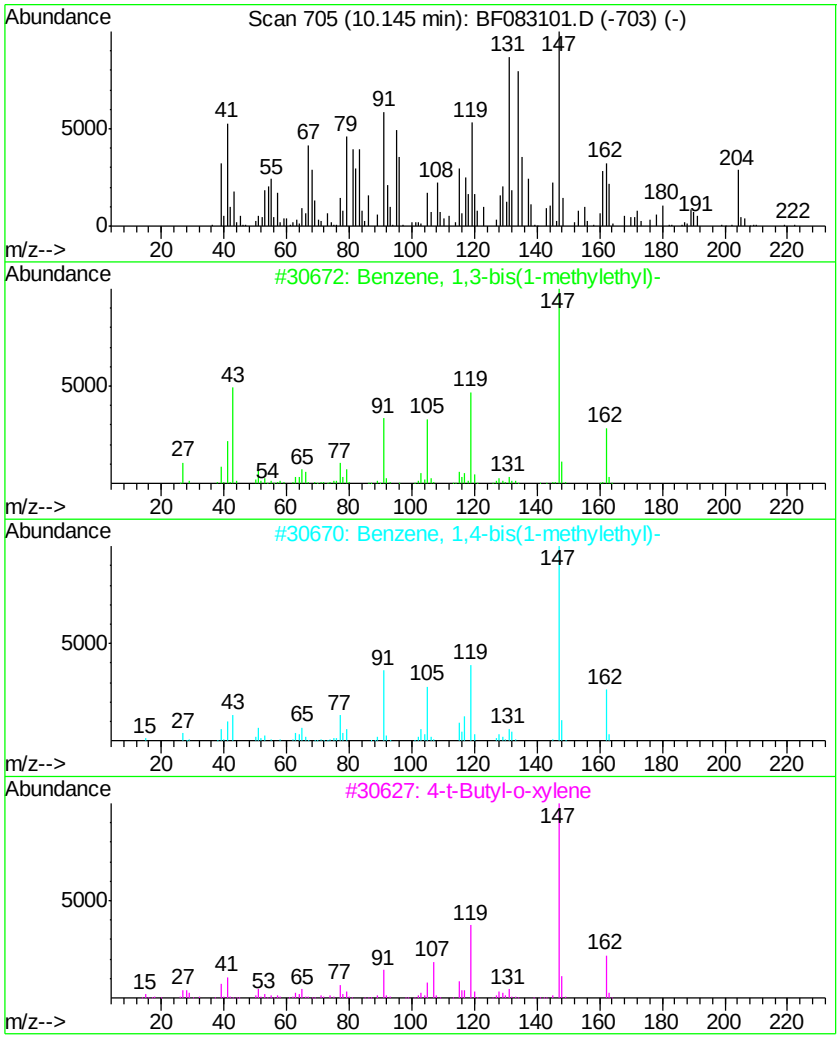
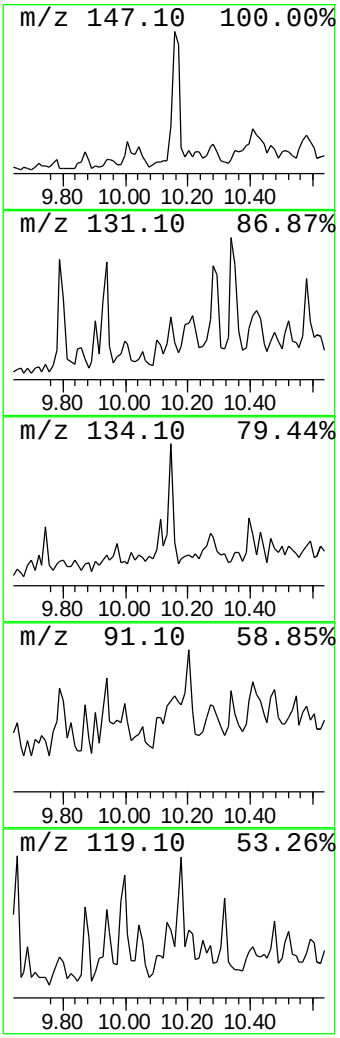
Peak Number 14 unknown10.14 Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.14	19.34 ng	2024150	Acenaphthene-d10	9.74

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1,3-bis(1-methylethyl)-	162	C12H18	000099-62-7	25
2	Benzene, 1,4-bis(1-methylethyl)-	162	C12H18	000100-18-5	25
3	4-t-Butyl-o-xylene	162	C12H18	007397-06-0	25
4	Benzene, 1,2-bis(1-methylethyl)-	162	C12H18	000577-55-9	25
5	Benzene, 1-(1,1-dimethylethyl)-3...	162	C12H18	000098-19-1	25





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Acq On : 21 Nov 2015 3:32
Operator : UM/IZ
Sample : G4485-05
Misc :
ALS Vial : 30 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : MW-04

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF111915.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

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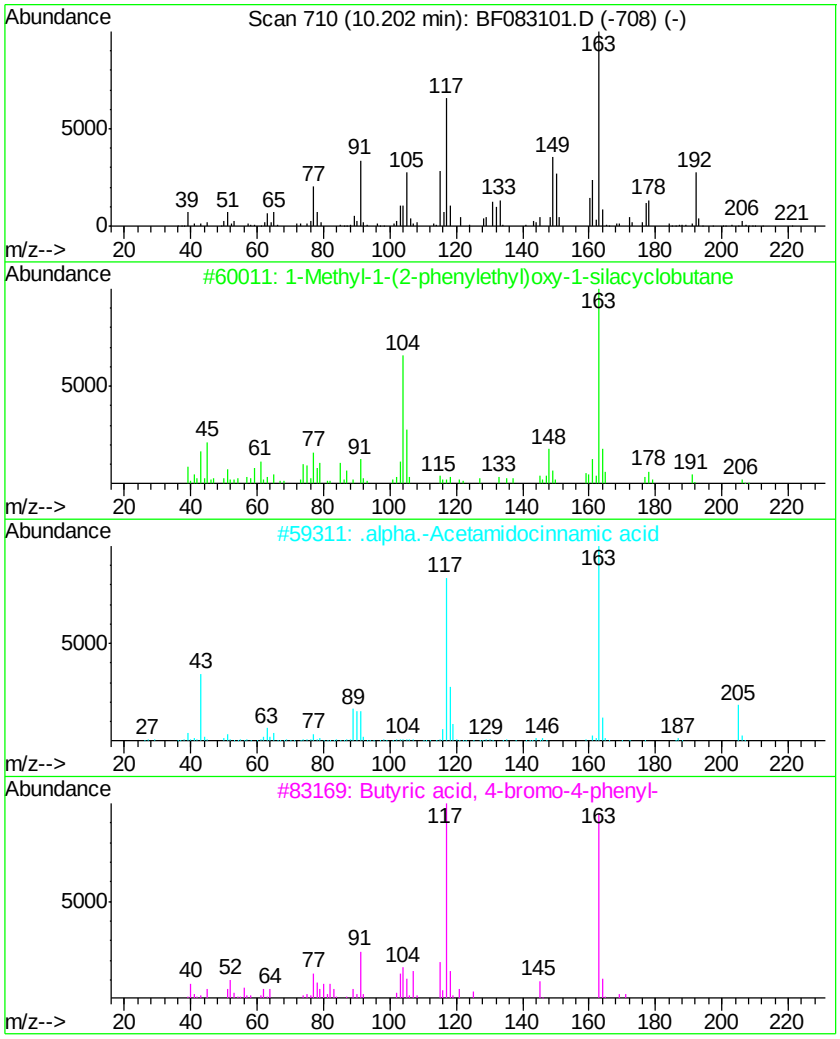
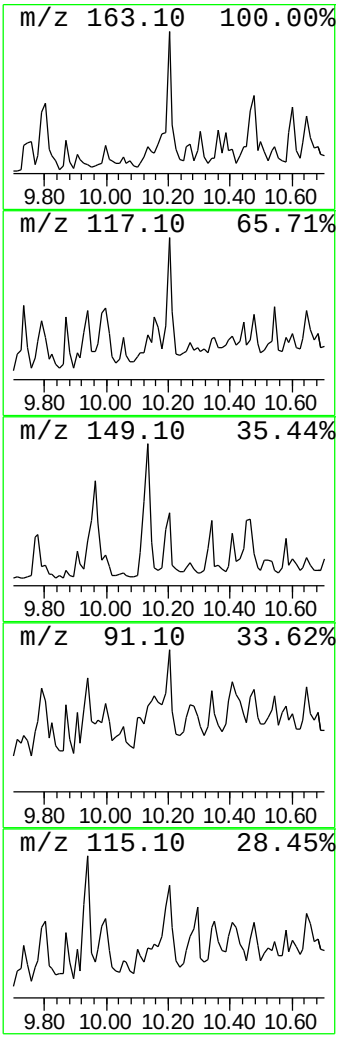
Peak Number 15 unknown10.20 Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.20	23.56 ng	2465830	Acenaphthene-d10	9.74

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Methyl-1-(2-phenylethyl)oxy-1-...	206	C12H18OSi	1000216-98-1	35
2	.alpha.-Acetamidocinnamic acid	205	C11H11NO3	005469-45-4	32
3	Butyric acid, 4-bromo-4-phenyl-	242	C10H11BrO2	019078-75-2	32
4	4-Amino-2-nitrobenzonitrile	163	C7H5N3O2	072115-07-2	32
5	Phenol, 2,5-bis(1-methylethyl)-	178	C12H18O	035946-91-9	27





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Acq On : 21 Nov 2015 3:32
Operator : UM/IZ
Sample : G4485-05
Misc :
ALS Vial : 30 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : MW-04

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF111915.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

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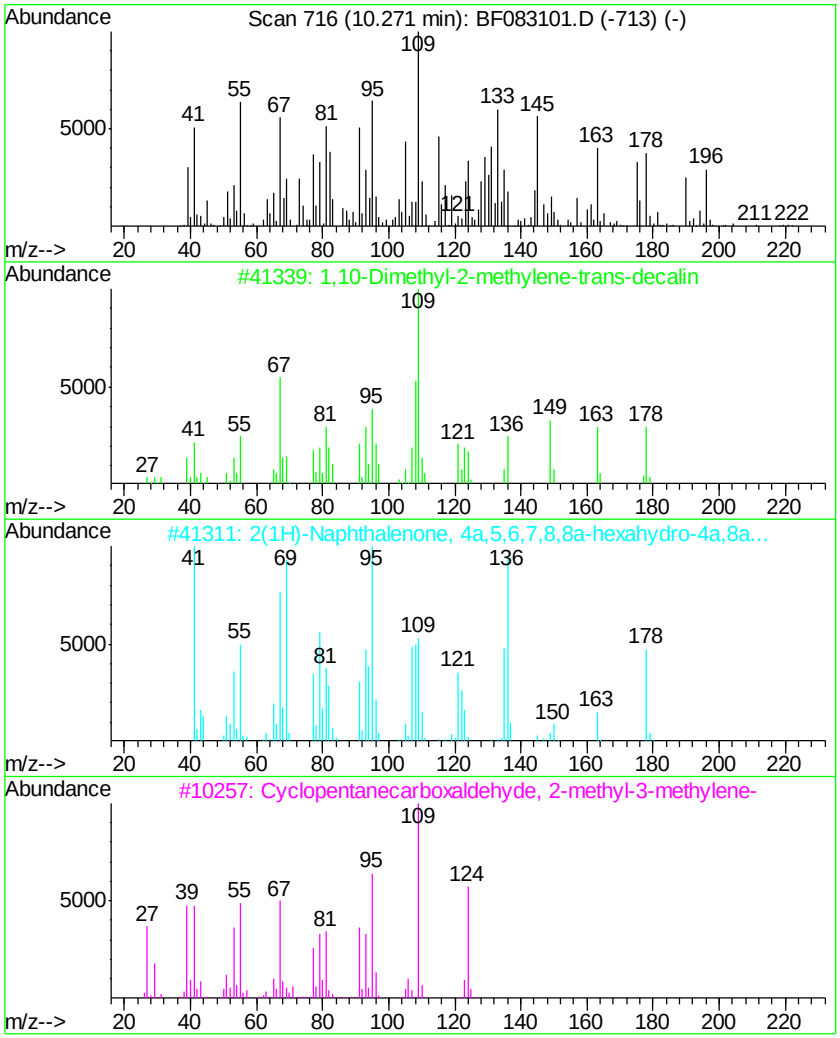
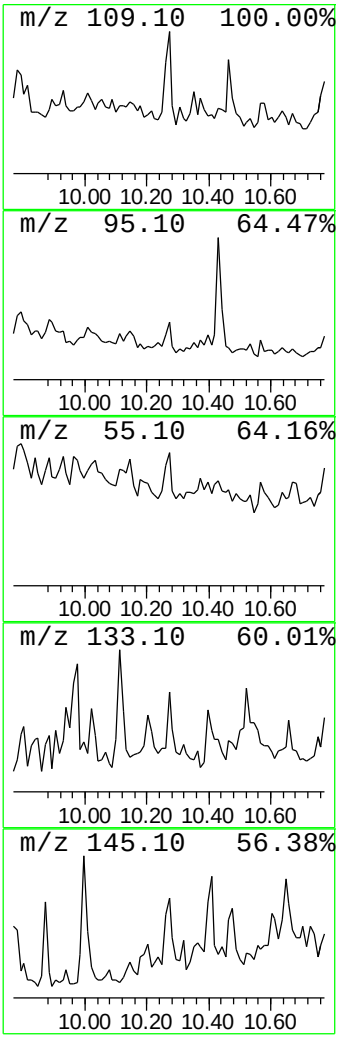
Peak Number 16 unknown10.27 Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.27	21.65 ng	2266440	Acenaphthene-d10	9.74

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,10-Dimethyl-2-methylene-trans-...	178	C13H22	1000103-97-8	35
2	2(1H)-Naphthalenone, 4a,5,6,7,8,...	178	C12H18O	013485-66-0	25
3	Cyclopentanecarboxaldehyde, 2-me...	124	C8H12O	1000154-24-0	18
4	1-Methylbicyclo[3.2.1]octane	124	C9H16	119972-41-7	18
5	3-Fluoro-o-xylene	124	C8H9F	000443-82-3	15





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Acq On : 21 Nov 2015 3:32
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Sample : G4485-05
Misc :
ALS Vial : 30 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : MW-04

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF111915.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

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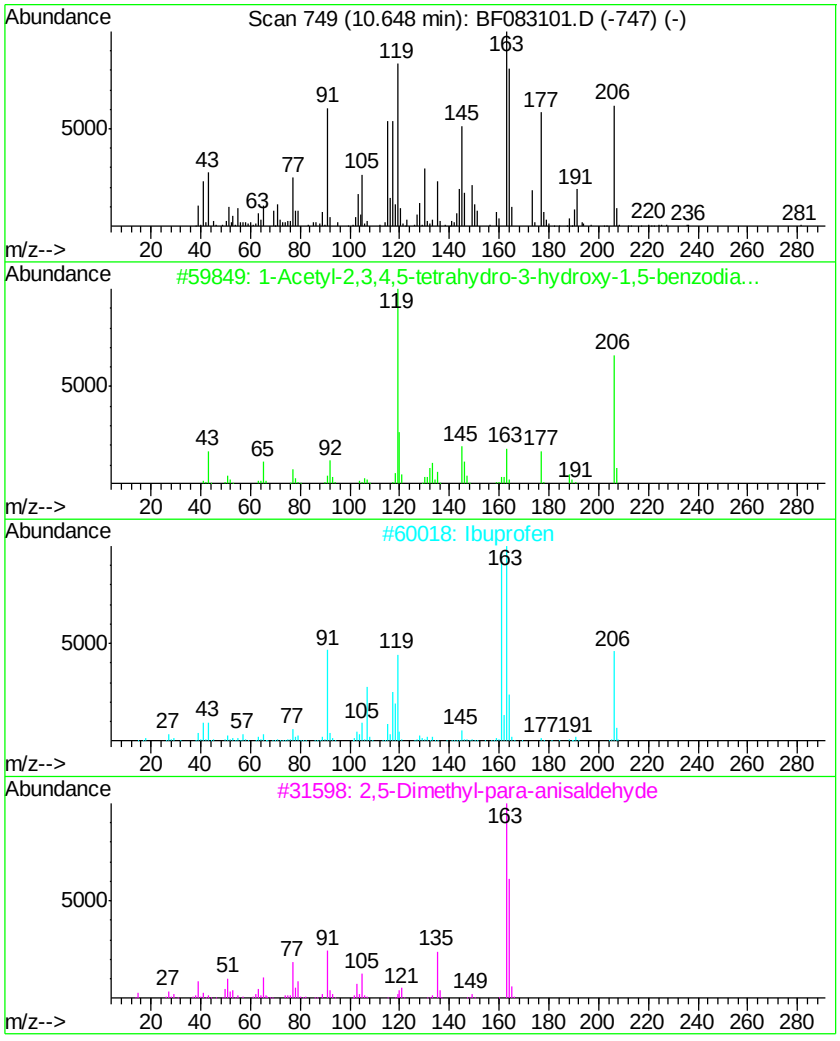
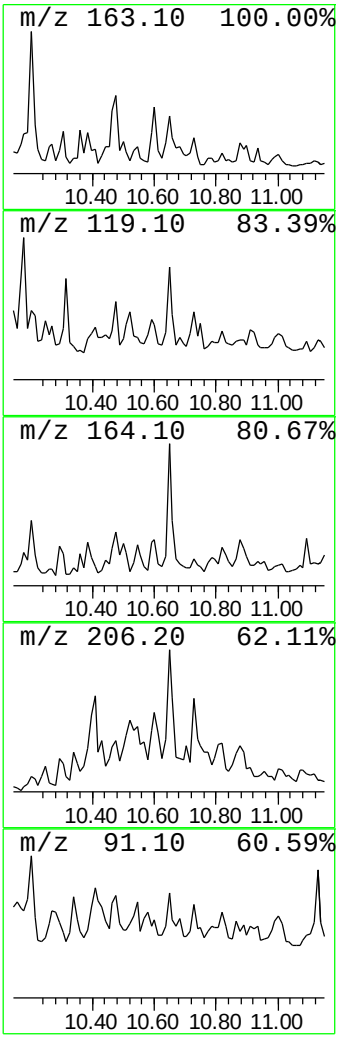
Peak Number 17 unknown10.65 Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.65	27.65 ng	1357040	Phenanthrene-d10	11.23

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Acetyl-2,3,4,5-tetrahydro-3-hy...	206	C11H14N2O2	138792-63-9	43
2	Ibuprofen	206	C13H18O2	015687-27-1	38
3	2,5-Dimethyl-para-anisaldehyde	164	C10H12O2	006745-75-1	38
4	Ethyl o-methylbenzoate	164	C10H12O2	000087-24-1	38
5	2,3-Dimethyl-para-anisaldehyde	164	C10H12O2	038998-17-3	30





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Operator : UM/IZ
Sample : G4485-05
Misc :
ALS Vial : 30 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : MW-04

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF111915.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

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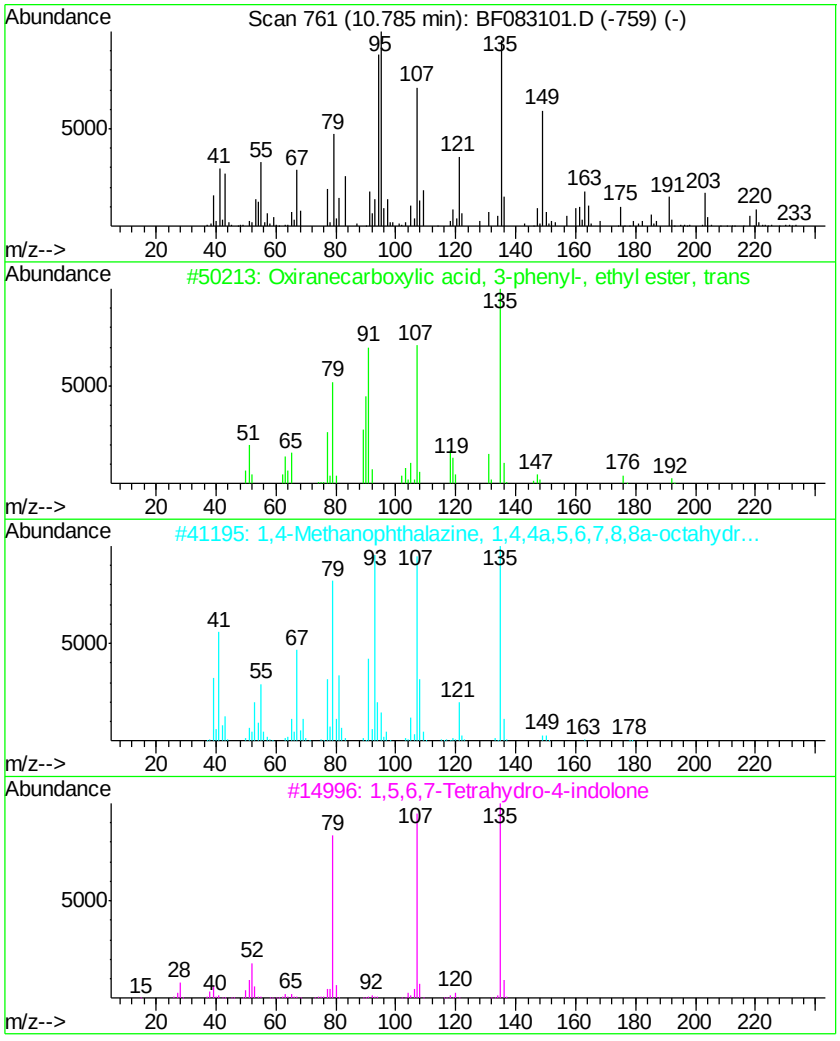
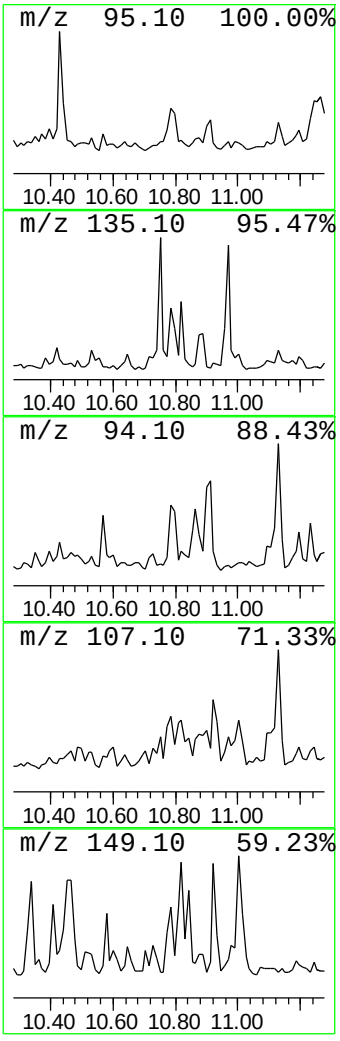
Peak Number 18 unknown10.78 Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.78	30.70 ng	1506630	Phenanthrene-d10	11.23

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Oxiranecarboxylic acid, 3-phenyl...	192	C11H12O3	002272-55-1	38
2	1,4-Methanophthalazine, 1,4,4a,5...	178	C11H18N2	109746-13-6	38
3	1,5,6,7-Tetrahydro-4-indolone	135	C8H9NO	013754-86-4	27
4	3-Cyclohexene-1-acetaldehyde, .a...	152	C10H16O	029548-14-9	20
5	2(3H)-Benzoxazolone	135	C7H5NO2	000059-49-4	18





Data Path : V:\HPCHEM1\BNA F\DATA\BF112015\
Data File : BF083101.D
Acq On : 21 Nov 2015 3:32
Operator : UM/IZ
Sample : G4485-05
Misc :
ALS Vial : 30 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : MW-04

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF111915.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

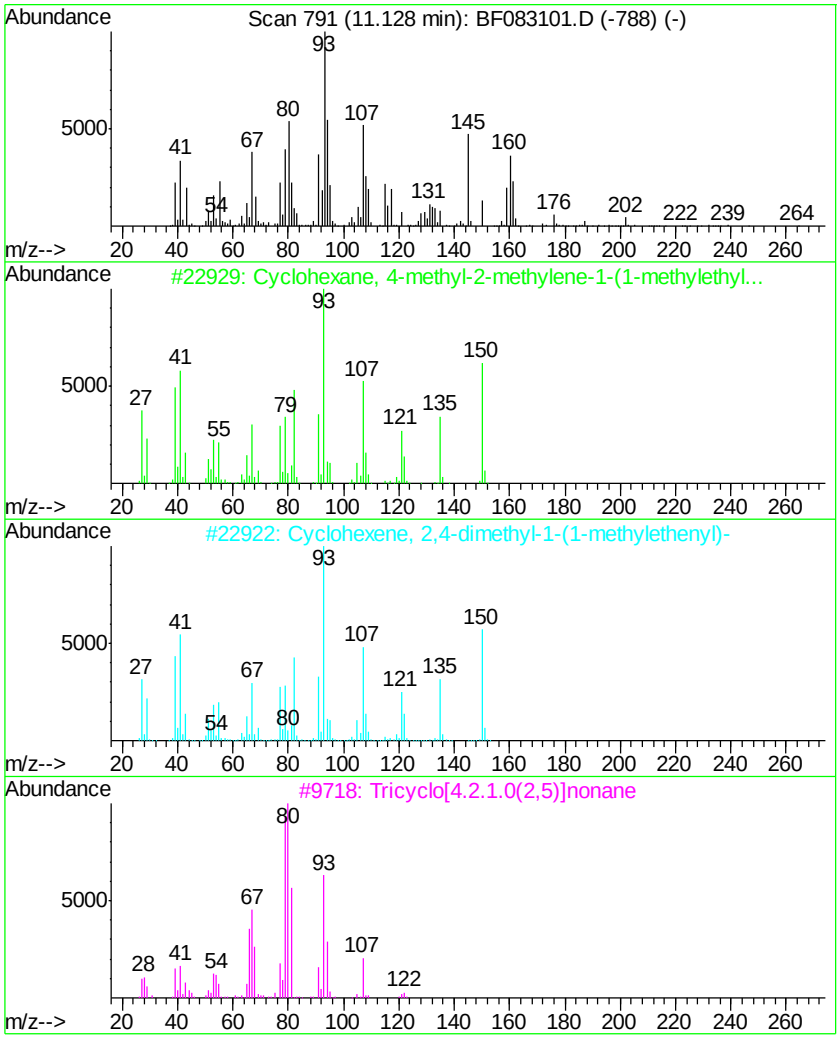
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

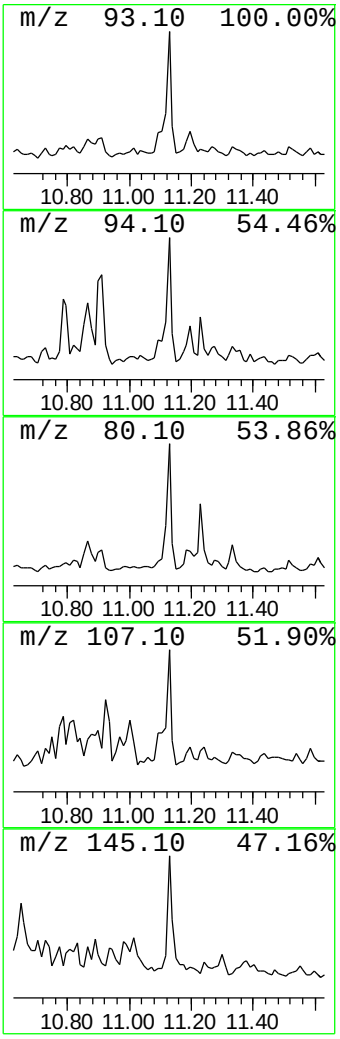
****

Peak Number 19 unknown11.13 Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.13	56.61 ng	2777970	Phenanthrene-d10	11.23

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, 4-methyl-2-methylen...	150	C11H18	056763-62-3	27
2	Cyclohexene, 2,4-dimethyl-1-(1-m...	150	C11H18	056763-60-1	27
3	Tricyclo[4.2.1.0(2,5)]nonane	122	C9H14	1000195-06-2	27
4	Cyclohexanemethanol, 4-methylene-	126	C8H14O	001004-24-6	22
5	Spiro[4.4]non-1-ene	122	C9H14	000873-12-1	16





Data Path : V:\HPCHEM1\BNA F\DATA\BF112015\
Data File : BF083101.D
Acq On : 21 Nov 2015 3:32
Operator : UM/IZ
Sample : G4485-05
Misc :
ALS Vial : 30 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : MW-04

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF111915.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

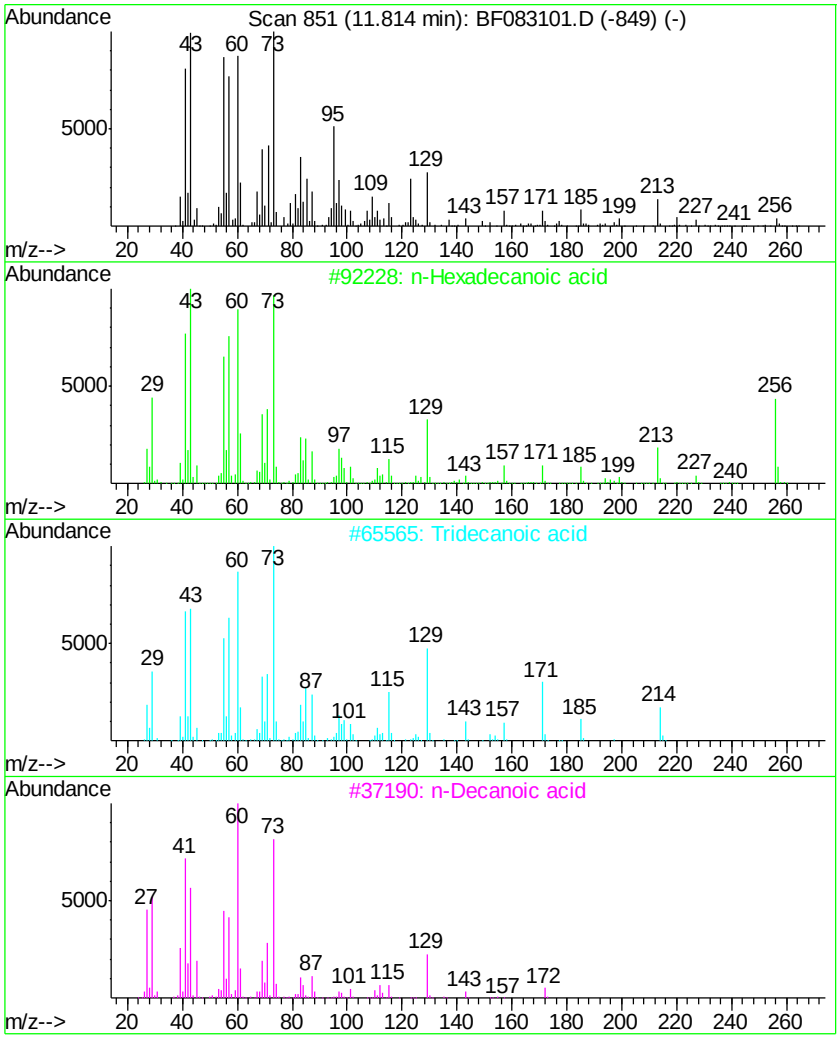
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

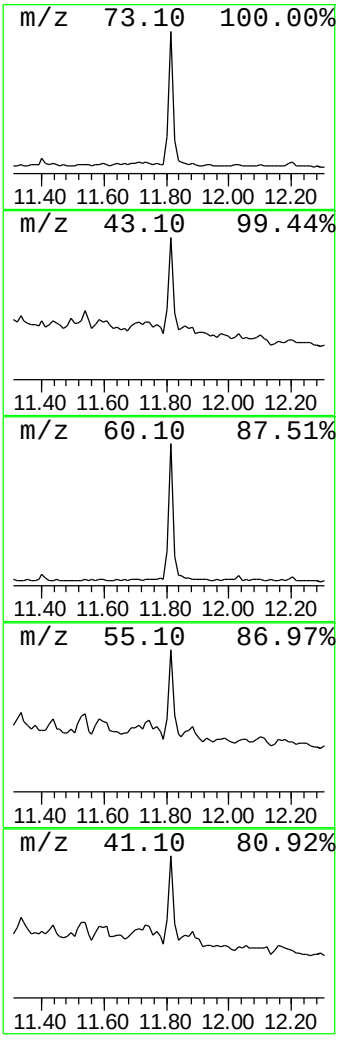
****

Peak Number 20 n-Hexadecanoic acid Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.81	32.97 ng	1618030	Phenanthrene-d10	11.23

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	n-Hexadecanoic acid	256	C16H32O2	000057-10-3	97
2	Tridecanoic acid	214	C13H26O2	000638-53-9	78
3	n-Decanoic acid	172	C10H20O2	000334-48-5	60
4	Pentadecanoic acid	242	C15H30O2	001002-84-2	58
5	Undecanoic acid	186	C11H22O2	000112-37-8	53





Tentatively Identified Compound (LSC) summary

Data Path : V:\HPCHEM1\BNA_F\DATA\BF112015\
Data File : BF083101.D
Acq On : 21 Nov 2015 3:32
Operator : UM/IZ
Sample : G4485-05
Misc :
ALS Vial : 30 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : MW-04

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF111915.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

					Internal Standard			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc
unknown6.48	6.48	27.6	ng	4147320	1	6.70	3007540	20.0
unknown7.78	7.78	16.2	ng	4045680	2	8.00	4994820	20.0
Cyclopropanecarbo...	8.13	20.0	ng	5001950	2	8.00	4994820	20.0
1-(3H-Imidazol-4-...	8.54	16.6	ng	4150080	2	8.00	4994820	20.0
unknown8.59	8.59	29.6	ng	7391260	2	8.00	4994820	20.0
N-Cyano-3-methylb...	8.89	28.5	ng	2981660	3	9.74	2093380	20.0
6-Octenal, 3,7-di...	8.92	26.7	ng	2797530	3	9.74	2093380	20.0
unknown9.00	9.00	20.2	ng	2110670	3	9.74	2093380	20.0
unknown9.21	9.21	16.1	ng	1690300	3	9.74	2093380	20.0
unknown9.33	9.33	28.8	ng	3009660	3	9.74	2093380	20.0
1,3-Hexadiene, 3-...	9.39	18.6	ng	1951570	3	9.74	2093380	20.0
unknown9.54	9.54	16.3	ng	1708630	3	9.74	2093380	20.0
unknown10.14	10.14	19.3	ng	2024150	3	9.74	2093380	20.0
unknown10.20	10.20	23.6	ng	2465830	3	9.74	2093380	20.0
unknown10.27	10.27	21.6	ng	2266440	3	9.74	2093380	20.0
unknown10.65	10.65	27.6	ng	1357040	4	11.23	981480	20.0
unknown10.78	10.78	30.7	ng	1506630	4	11.23	981480	20.0
unknown11.13	11.13	56.6	ng	2777970	4	11.23	981480	20.0
n-Hexadecanoic acid	11.81	33.0	ng	1618030	4	11.23	981480	20.0