LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF050616\
Data File : BF086730.D
Acq On : 6 May 2016 18:09
Operator : UM/SJ
Sample : H2802-01
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : MW-1

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-BF050416.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	3.515	122	125	130	rBV	57913	109743	1.73%	0.174%
2	4.041	169	171	175	rBV	117203	176715	2.79%	0.280%
3	4.258	186	190	196	rVB3	33098	65396	1.03%	0.103%
4	4.761	232	234	236	rBV	233958	297653	4.70%	0.471%
5	4.910	245	247	251	rBV	83591	137119	2.16%	0.217%
6	5.013	254	256	261	rVB2	60183	92839	1.47%	0.147%
7	5.241	274	276	280	rBV	47402	108404	1.71%	0.172%
8	5.321	280	283	285	rBV	2142261	2351406	37.11%	3.721%
9	5.493	296	298	304	rBV	317310	467608	7.38%	0.740%
10	5.573	304	305	308	rVV	82926	109973	1.74%	0.174%
11	5.676	313	314	317	rBV	159070	214349	3.38%	0.339%
12	5.721	317	318	327	rVB3	131986	306286	4.83%	0.485%
13	5.904	332	334	338	rBV	208253	383338	6.05%	0.607%
14	5.973	338	340	342	rBV2	99171	120556	1.90%	0.191%
15	6.156	351	356	357	rVV	705003	814198	12.85%	1.289%
16	6.236	360	363	367	rBV3	395366	585839	9.24%	0.927%
17	6.304	367	369	373	rVV3	180133	406247	6.41%	0.643%
18	6.373	373	375	379	rVV	1277404	1758467	27.75%	2.783%
19	6.441	379	381	383	rVV2	800307	895873	14.14%	1.418%
20	6.487	383	385	388	rVV	4266366	4730555	74.65%	7.487%
21	6.567	390	392	393	rVV	131713	147583	2.33%	0.234%
22	6.601	393	395	400	rVB3	90009	195011	3.08%	0.309%
23	6.704	402	404	408	rVB	1137319	1124208	17.74%	1.779%
24	6.761	408	409	411	rBV	271773	365137	5.76%	0.578%
25	6.830	413	415	416	rVV2	60550	77182	1.22%	0.122%
26	6.864	416	418	420	rVV	4284601	4401621	69.46%	6.966%
27	6.956	422	426	430	rBV2	174696	470236	7.42%	0.744%
28	7.013	430	431	434	rVV2	265119	335144	5.29%	0.530%
29	7.059	434	435	438	rVB	218468	248306	3.92%	0.393%
30	7.139	438	442	446	rBV4	416704	1144458	18.06%	1.811%
31	7.207	446	448	451	rVB4	166381	257080	4.06%	0.407%
32	7.287	451	455	456	rBV	3248932	4388919	69.26%	6.946%
33	7.310	456	457	460	rVB2	262905	253354	4.00%	0.401%
34	7.367	460	462	464	rVB	124902	120589	1.90%	0.191%

LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF050616\
Data File : BF086730.D
Acq On : 6 May 2016 18:09
Operator : UM/SJ
Sample : H2802-01
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : MW-1

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-BF050416.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

35	7.424	464	467	470	rVB	188919	298538	4.71%	0.472%
36	7.482	470	472	475	rVB3	55814	123310	1.95%	0.195%
37	7.562	475	479	481	rBV3	120494	206938	3.27%	0.328%
38	7.607	481	483	486	rVB4	69806	84170	1.33%	0.133%
39	7.664	486	488	491	rVB3	168608	268058	4.23%	0.424%
40	7.722	491	493	495	rBV	344578	402976	6.36%	0.638%
41	7.802	495	500	504	rBV3	403942	949607	14.99%	1.503%
42	7.882	506	507	508	rVB	100614	69021	1.09%	0.109%
43	7.927	508	511	514	rBV3	138612	285055	4.50%	0.451%
44	7.996	514	517	519	rVB	1451340	1447903	22.85%	2.292%
45	8.087	523	525	526	rVB	111181	89183	1.41%	0.141%
46	8.145	528	530	531	rBV	67573	93302	1.47%	0.148%
47	8.179	531	533	535	rVB3	115329	155608	2.46%	0.246%
48	8.225	535	537	538	rVB2	108723	109676	1.73%	0.174%
49	8.282	539	542	544	rBV3	148506	206513	3.26%	0.327%
50	8.316	544	545	547	rVB	112042	110341	1.74%	0.175%
51	8.396	548	552	555	rBV	519105	834488	13.17%	1.321%
52	8.453	555	557	559	rVV3	69986	112595	1.78%	0.178%
53	8.590	568	569	573	rVB3	123190	180920	2.86%	0.286%
54	8.659	573	575	577	rBV2	50075	93319	1.47%	0.148%
55	8.693	577	578	581	rVB2	121542	185373	2.93%	0.293%
56	8.750	581	583	584	rBV	56221	78586	1.24%	0.124%
57	8.785	584	586	587	rBV	99248	94334	1.49%	0.149%
58	8.887	592	595	597	rBV2	65355	153527	2.42%	0.243%
59	8.945	597	600	603	rBV4	211028	401966	6.34%	0.636%
60	8.990	603	604	607	rVV2	294383	565702	8.93%	0.895%
61	9.070	608	611	614	rVV	3947737	6336931	100.00%	10.029%
62	9.116	614	615	618	rVB2	67799	90648	1.43%	0.143%
63	9.173	618	620	623	rBV4	108393	216035	3.41%	0.342%
64	9.230	623	625	627	rVV	828433	736594	11.62%	1.166%
65	9.322	631	633	634	rBV2	89288	149792	2.36%	0.237%
66	9.402	638	640	641	rBV2	49745	87595	1.38%	0.139%
67	9.447	642	644	645	rVB	110066	111272	1.76%	0.176%
68	9.470	645	646	649	rBV2	137168	205497	3.24%	0.325%
69	9.573	654	655	658	rVB	70269	83588	1.32%	0.132%
70	9.619	658	659	663	rBV3	114636	187049	2.95%	0.296%
71	9.688	663	665	668	rBV4	126725	225559	3.56%	0.357%

LSC Area Percent Report

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Data File : BF086730.D
Acq On : 6 May 2016 18:09
Operator : UM/SJ
Sample : H2802-01
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : MW-1

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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If leading or trailing edge < 100 prefer < Baseline drop else tangent >
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Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF050416.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

72	9.745	668	670	672	rVB	1818014	1635582	25.81%	2.589%
73	9.905	681	684	687	rBV3	117257	250381	3.95%	0.396%
74	9.985	688	691	695	rVV4	97802	239641	3.78%	0.379%
75	10.053	695	697	701	rVB5	79746	118072	1.86%	0.187%
76	10.179	703	708	710	rVB	616063	642176	10.13%	1.016%
77	10.236	710	713	715	rBV4	59513	123091	1.94%	0.195%
78	10.533	736	739	742	rVB2	2830727	4248684	67.05%	6.724%
79	10.648	747	749	751	rBV2	69630	76518	1.21%	0.121%
80	10.762	757	759	760	rBV2	68748	100192	1.58%	0.159%
81	10.910	770	772	776	rVV3	97913	156657	2.47%	0.248%
82	10.979	776	778	782	rVB3	57265	93851	1.48%	0.149%
83	11.219	797	799	802	rBV	1316573	1458030	23.01%	2.308%
84	11.459	818	820	824	rVB	612466	534780	8.44%	0.846%
85	11.768	845	847	851	rVB3	485471	497225	7.85%	0.787%
86	12.271	889	891	893	rBV	810529	909431	14.35%	1.439%
87	12.316	893	895	899	rVB	49460	95309	1.50%	0.151%
88	12.476	906	909	913	rVB5	55290	155220	2.45%	0.246%
89	12.556	913	916	918	rBV	418590	612609	9.67%	0.970%
90	12.808	935	938	940	rBV	4195965	4539993	71.64%	7.185%
91	12.842	940	941	944	rVB2	309965	324855	5.13%	0.514%
92	13.265	975	978	980	rBV	59590	69435	1.10%	0.110%
93	13.379	986	988	993	rVB2	34425	65658	1.04%	0.104%
94	13.711	1015	1017	1021	rVB	76437	118437	1.87%	0.187%
95	13.848	1027	1029	1032	rBV	1285814	1278860	20.18%	2.024%
96	14.328	1069	1071	1073	rBV	66345	72511	1.14%	0.115%
97	14.625	1095	1097	1099	rBV	97156	98391	1.55%	0.156%
98	14.922	1121	1123	1126	rBV	75724	104019	1.64%	0.165%
99	15.231	1147	1150	1152	rBV	737632	871987	13.76%	1.380%

Sum of corrected areas: 63184556

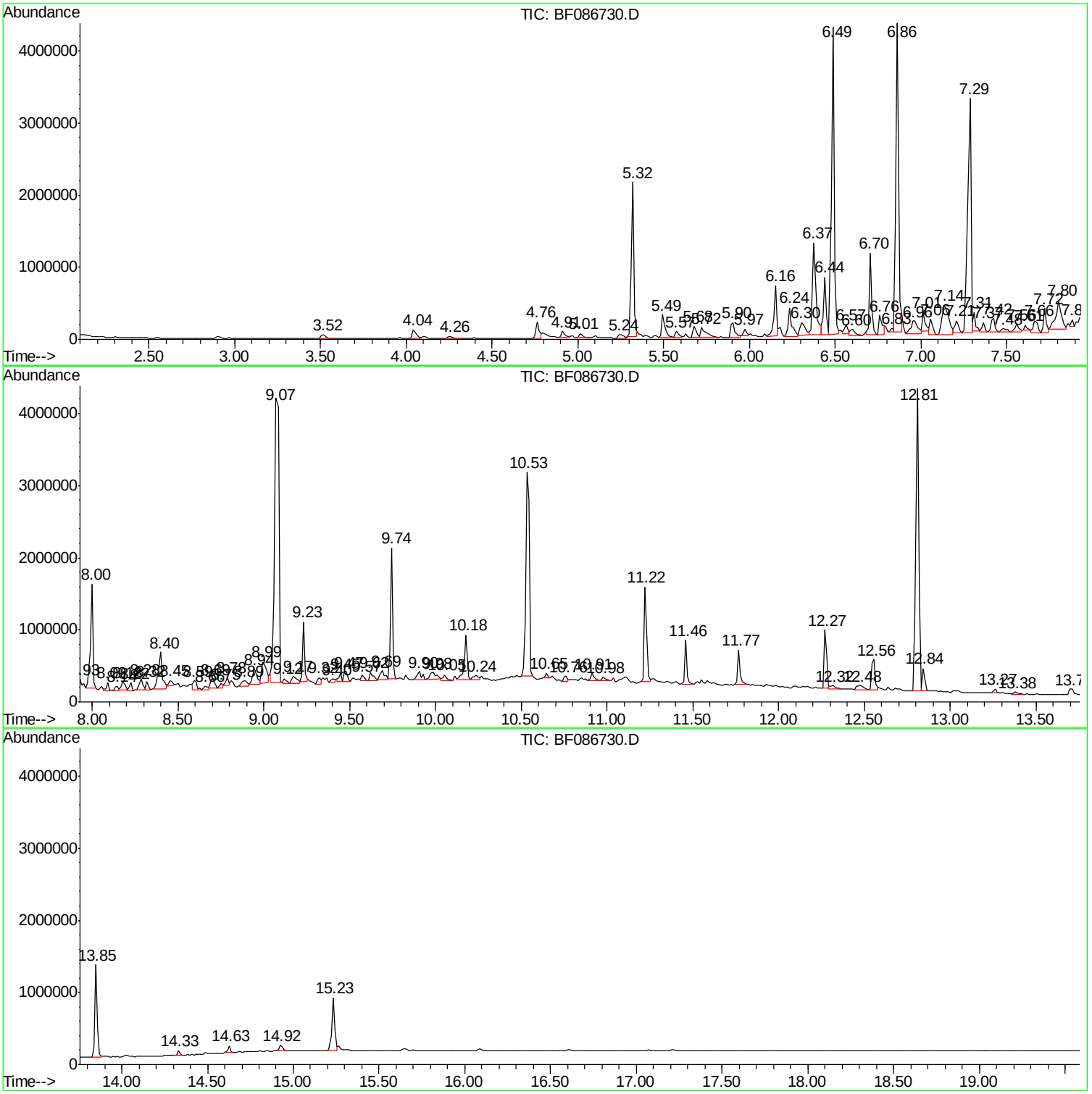
LSC Report - Integrated Chromatogram

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF050616\
Data File : BF086730.D
Acq On : 6 May 2016 18:09
Operator : UM/SJ
Sample : H2802-01
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : MW-1

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF050416.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF050616\
Data File : BF086730.D
Acq On : 6 May 2016 18:09
Operator : UM/SJ
Sample : H2802-01
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : MW-1

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF050416.M
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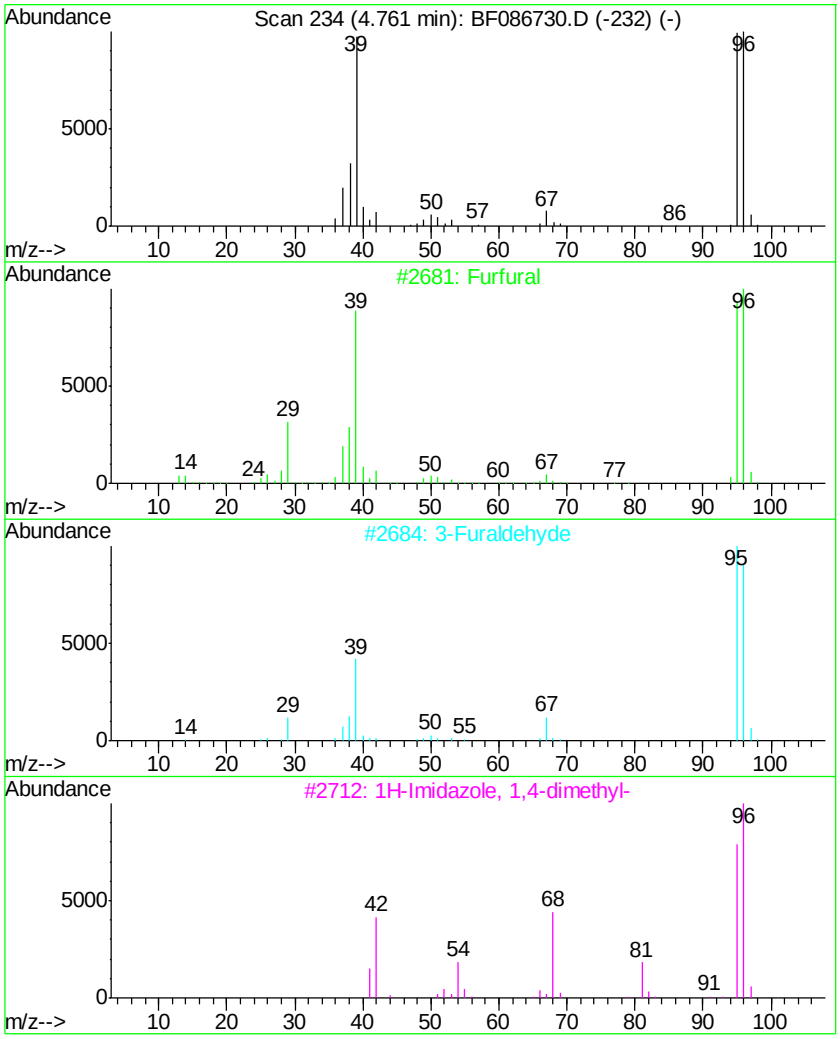
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

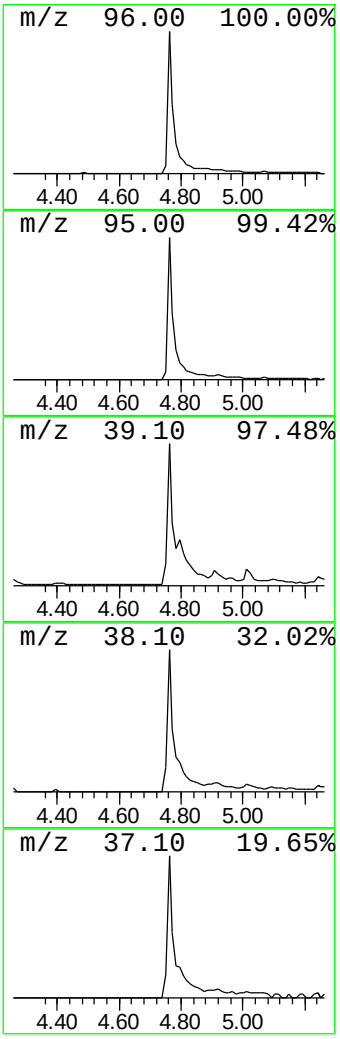
****

Peak Number 1 Furfural Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.76	10.59 ng	297653	1,4-Dichlorobenzene-d4	6.70

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Furfural	96	C5H4O2	000098-01-1	96
2	3-Furaldehyde	96	C5H4O2	000498-60-2	91
3	1H-Imidazole, 1,4-dimethyl-	96	C5H8N2	006338-45-0	86
4	2H-Pyran-2-one	96	C5H4O2	000504-31-4	64
5	Furan, 2,4-dimethyl-	96	C6H8O	003710-43-8	50





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF050616\
Data File : BF086730.D
Acq On : 6 May 2016 18:09
Operator : UM/SJ
Sample : H2802-01
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : MW-1

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF050416.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

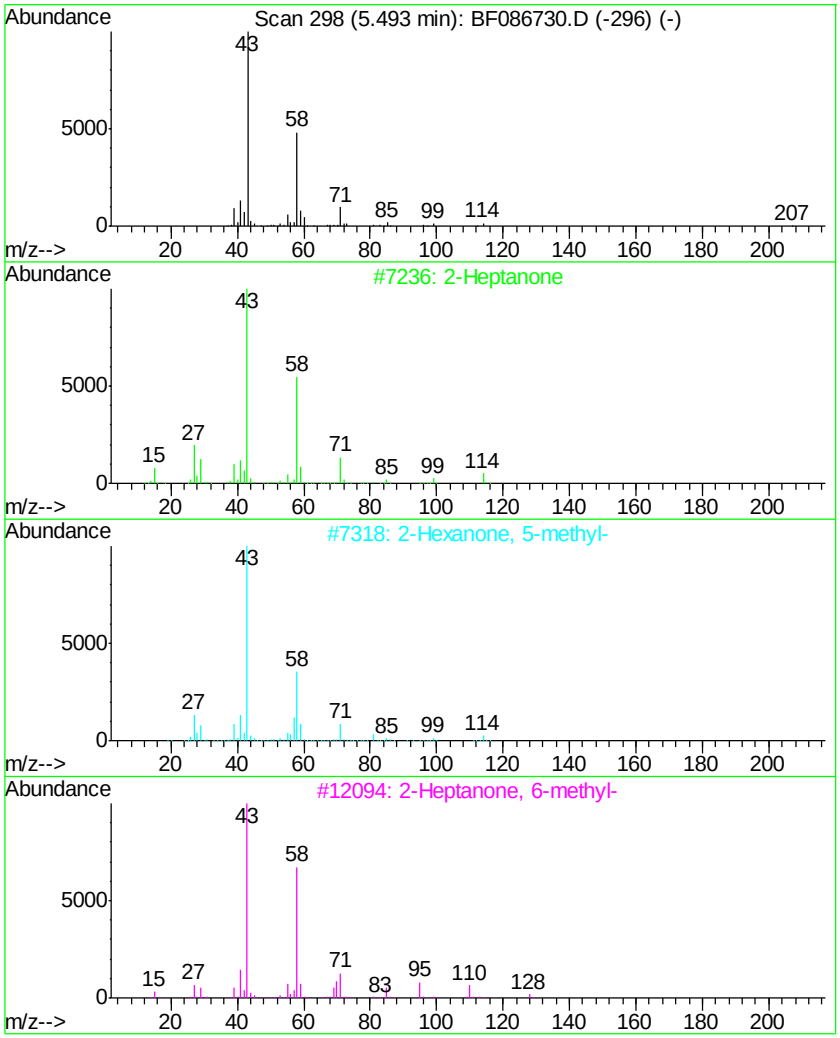
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

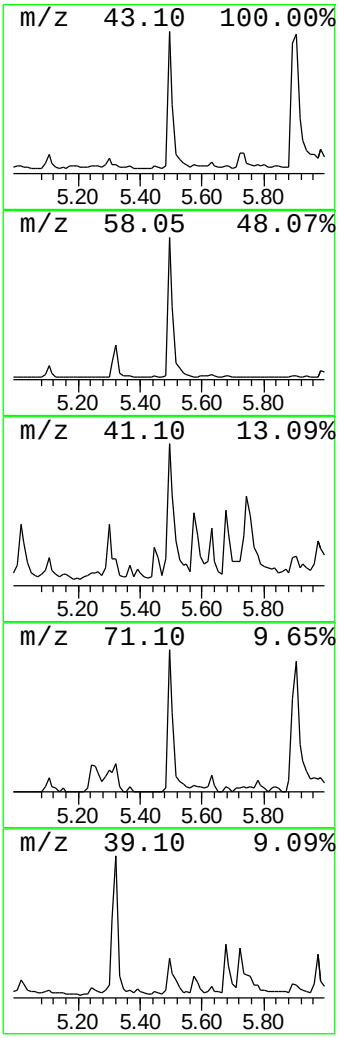
****

Peak Number 2 2-Heptanone Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.49	16.64 ng	467608	1,4-Dichlorobenzene-d4	6.70

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Heptanone	114	C7H14O	000110-43-0	64
2	2-Hexanone, 5-methyl-	114	C7H14O	000110-12-3	56
3	2-Heptanone, 6-methyl-	128	C8H16O	000928-68-7	50
4	8-Hydroxy-2-octanone	144	C8H16O2	025368-54-1	50
5	2-Hexanone, 4-methyl-	114	C7H14O	000105-42-0	39





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF050616\
Data File : BF086730.D
Acq On : 6 May 2016 18:09
Operator : UM/SJ
Sample : H2802-01
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : MW-1

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF050416.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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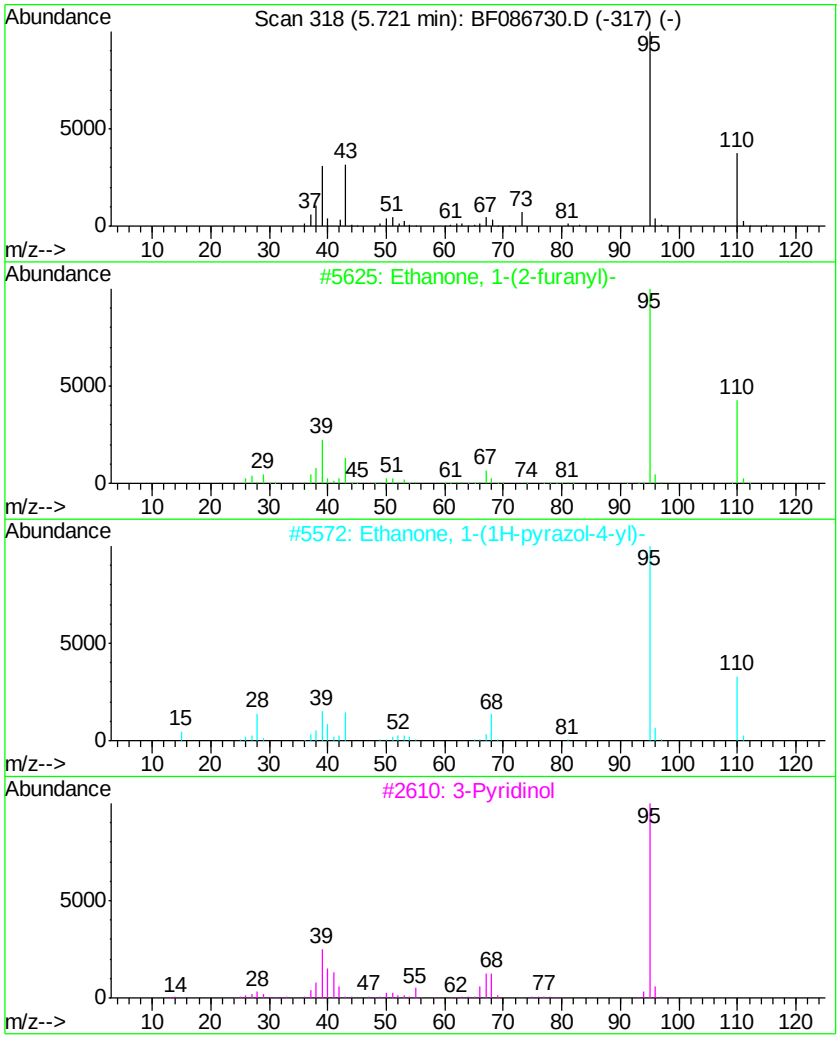
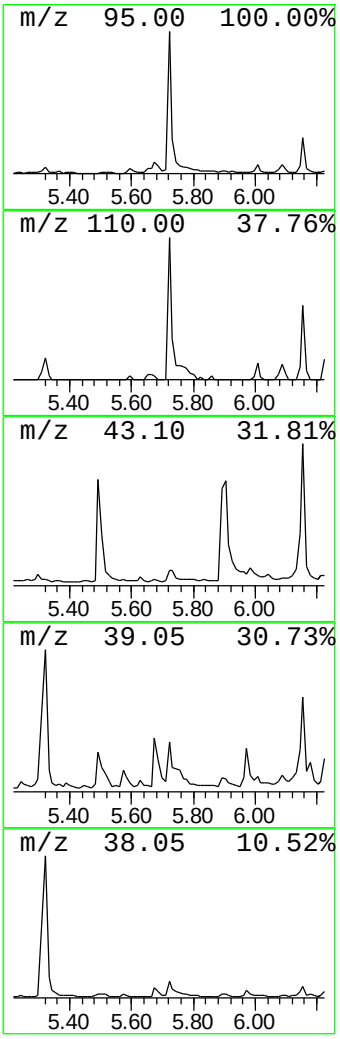
Peak Number 3 Ethanone, 1-(2-furanyl)- Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.72	10.90 ng	306286	1,4-Dichlorobenzene-d4	6.70

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Ethanone, 1-(2-furanyl)-	110	C6H6O2	001192-62-7	87
2	Ethanone, 1-(1H-pyrazol-4-yl)-	110	C5H6N2O	025016-16-4	78
3	3-Pyridinol	95	C5H5NO	000109-00-2	59
4	2(1H)-Pyridinone	95	C5H5NO	000142-08-5	53
5	4-Pyridinol	95	C5H5NO	000626-64-2	53





Data Path : Z:\HPCHEM1\BNA_F\DATA\BF050616\
Data File : BF086730.D
Acq On : 6 May 2016 18:09
Operator : UM/SJ
Sample : H2802-01
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : MW-1

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF050416.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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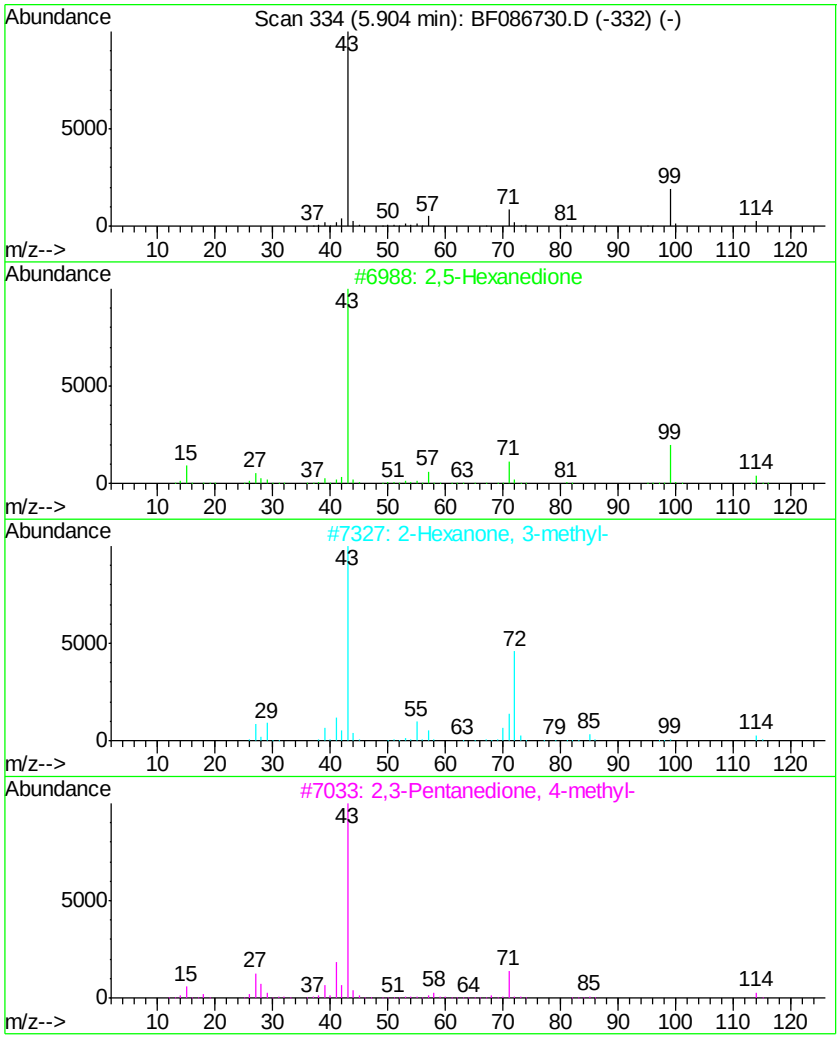
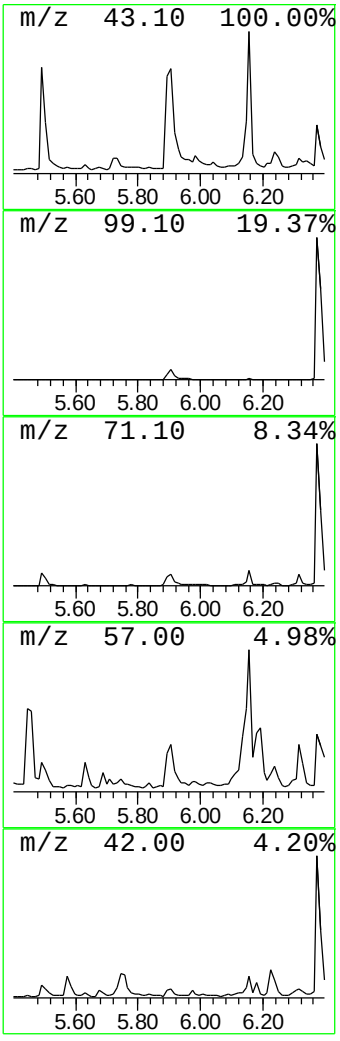
Peak Number 4 2,5-Hexanedione Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.90	13.64 ng	383338	1,4-Dichlorobenzene-d4	6.70

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2,5-Hexanedione	114	C6H10O2	000110-13-4	90
2	2-Hexanone, 3-methyl-	114	C7H14O	002550-21-2	16
3	2,3-Pentanedione, 4-methyl-	114	C6H10O2	007493-58-5	9
4	2,4-Pentanedione, 3-methyl-	114	C6H10O2	000815-57-6	9
5	2,3-Hexanedione	114	C6H10O2	003848-24-6	9





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF050616\
Data File : BF086730.D
Acq On : 6 May 2016 18:09
Operator : UM/SJ
Sample : H2802-01
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : MW-1

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF050416.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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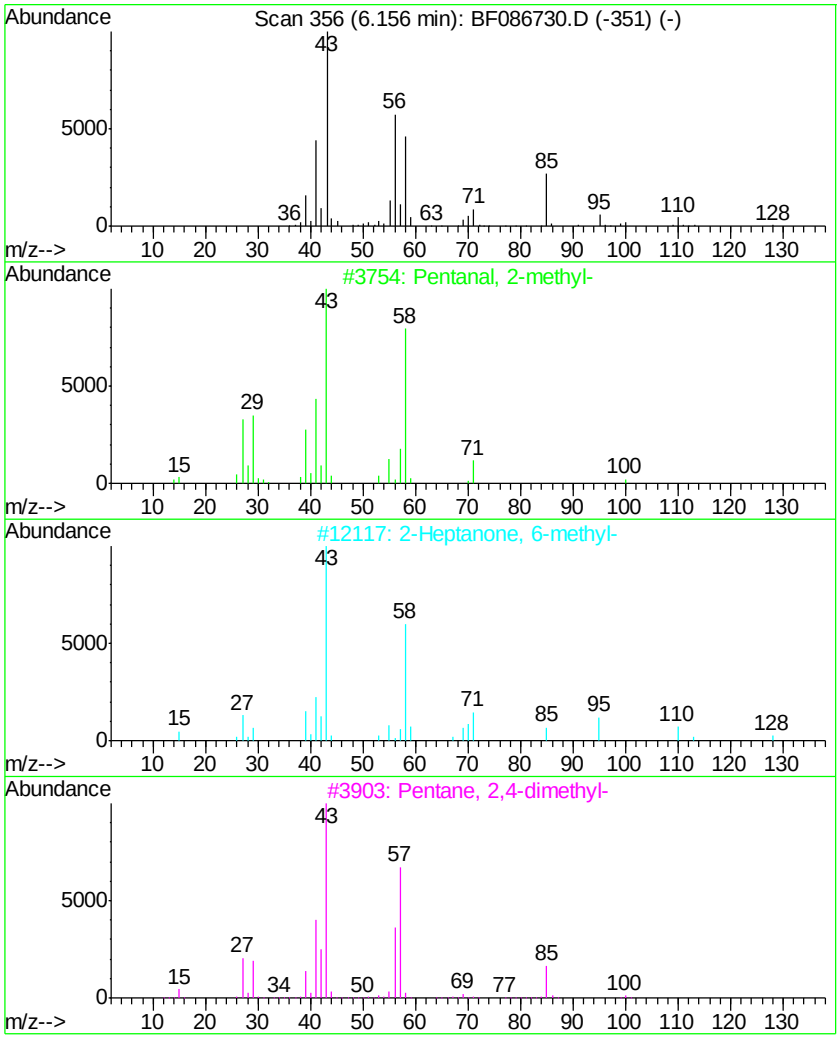
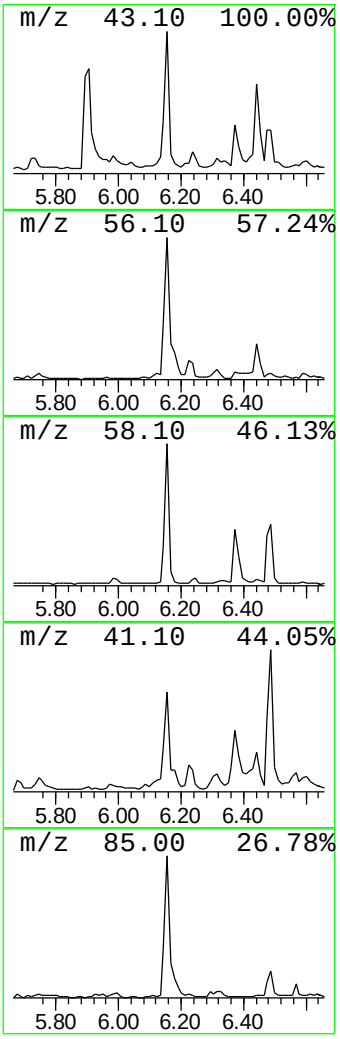
Peak Number 5 unknown6.16 Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.16	28.97 ng	814198	1,4-Dichlorobenzene-d4	6.70

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pentanal, 2-methyl-	100	C6H12O	000123-15-9	35
2	2-Heptanone, 6-methyl-	128	C8H16O	000928-68-7	35
3	Pentane, 2,4-dimethyl-	100	C7H16	000108-08-7	27
4	Hexane, 1-propoxy-	144	C9H20O	053685-78-2	27
5	Furan, tetrahydro-2,5-dimethyl-	100	C6H12O	001003-38-9	25





Data Path : Z:\HPCHEM1\BNA_F\DATA\BF050616\
Data File : BF086730.D
Acq On : 6 May 2016 18:09
Operator : UM/SJ
Sample : H2802-01
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : MW-1

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF050416.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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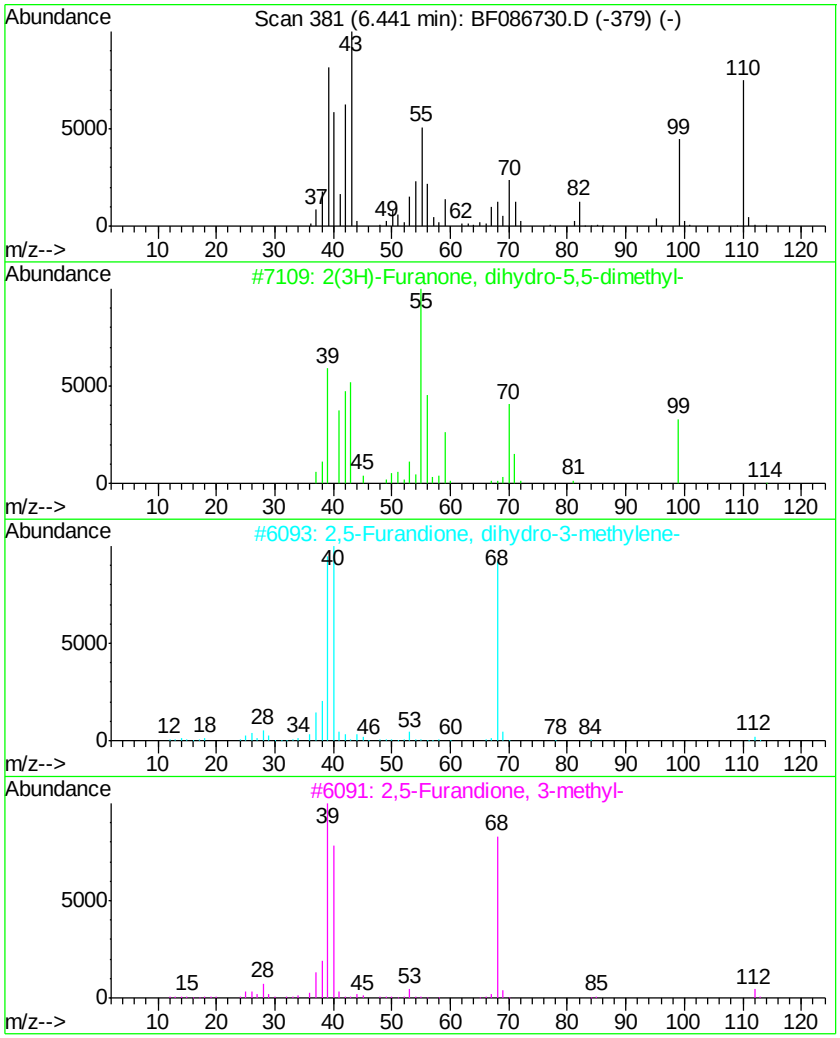
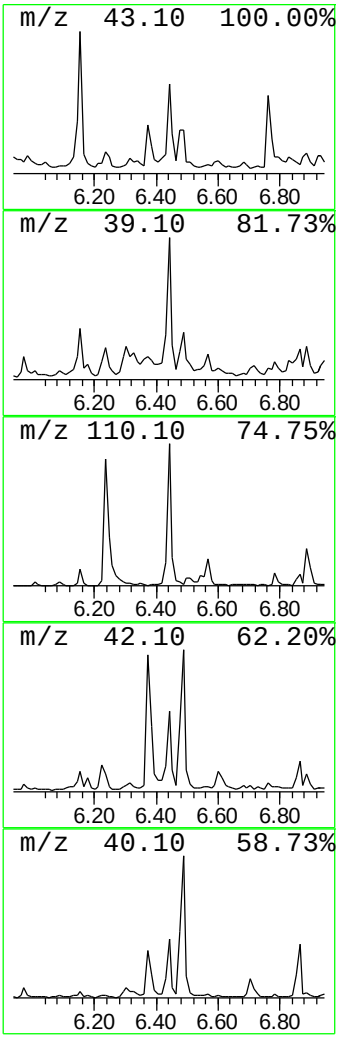
Peak Number 6 2(3H)-Furanone, dihydro-5,5... Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.44	31.88 ng	895873	1,4-Dichlorobenzene-d4	6.70

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2(3H)-Furanone, dihydro-5,5-dime...	114	C6H10O2	003123-97-5	62
2	2,5-Furandione, dihydro-3-methyl...	112	C5H4O3	002170-03-8	43
3	2,5-Furandione, 3-methyl-	112	C5H4O3	000616-02-4	43
4	2,4-Diaminopyrimidine	110	C4H6N4	000156-81-0	43
5	2-Butenedioic acid, 2-methyl-, (Z)-	130	C5H6O4	000498-23-7	37





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Acq On : 6 May 2016 18:09
Operator : UM/SJ
Sample : H2802-01
Misc :
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Instrument : BNA_F
ClientSampleId : MW-1

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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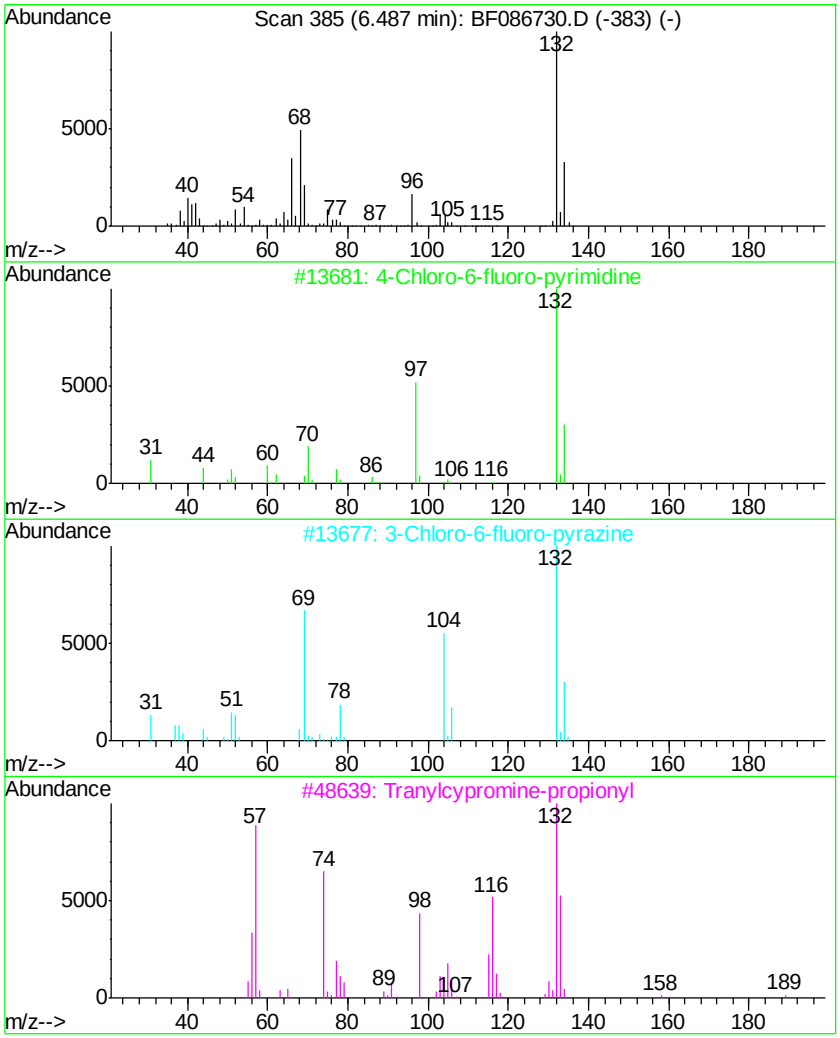
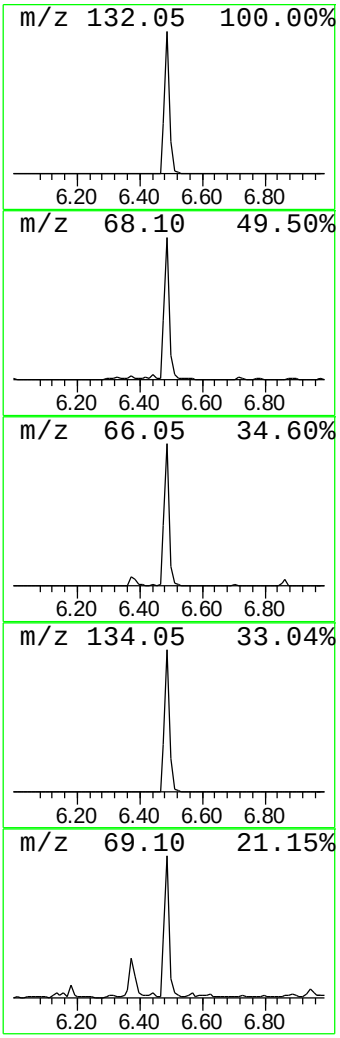
Peak Number 7 unknown6.49 Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.49	168.32 ng	4730560	1,4-Dichlorobenzene-d4	6.70

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4-Chloro-6-fluoro-pyrimidine	132	C4H2ClFN2	051422-01-6	27
2	3-Chloro-6-fluoro-pyrazine	132	C4H2ClFN2	1000146-10-7	27
3	Tranylcypromine-propionyl	189	C12H15NO	1000123-86-3	22
4	1H-Benzimidazole, 2-methyl-	132	C8H8N2	000615-15-6	22
5	5-Fluoro-2-chloropyrimidine	132	C4H2ClFN2	062802-42-0	16





Library Search Compound Report

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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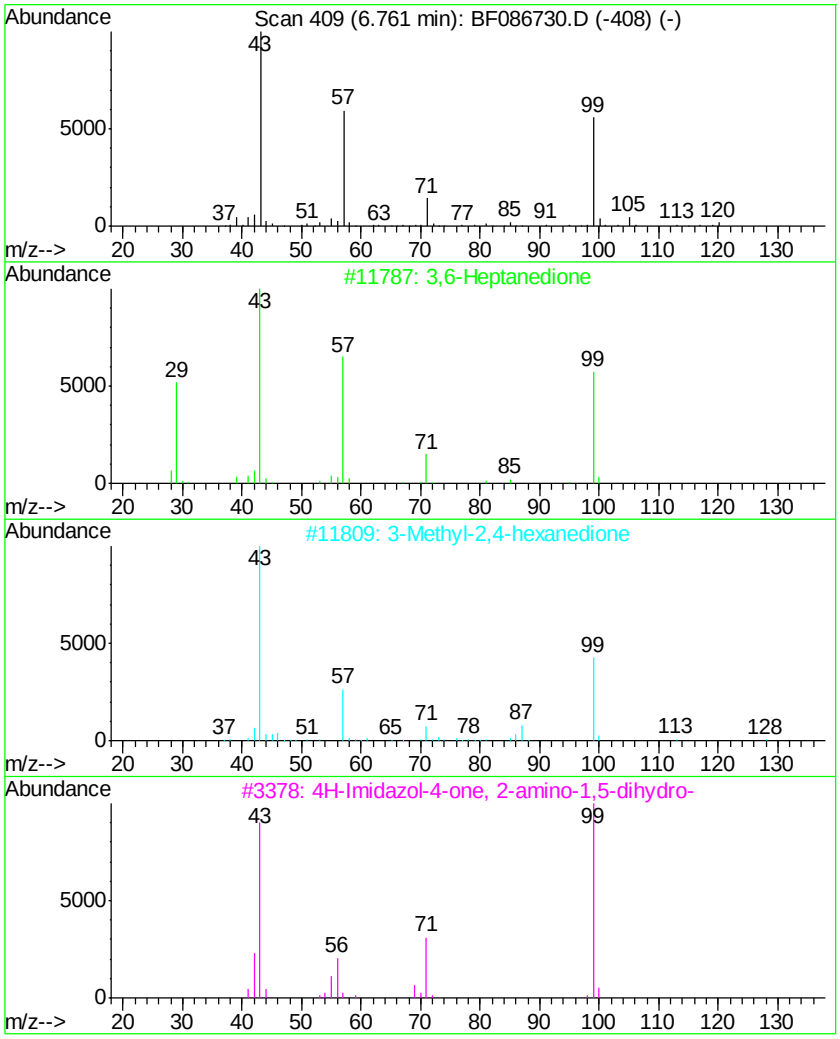
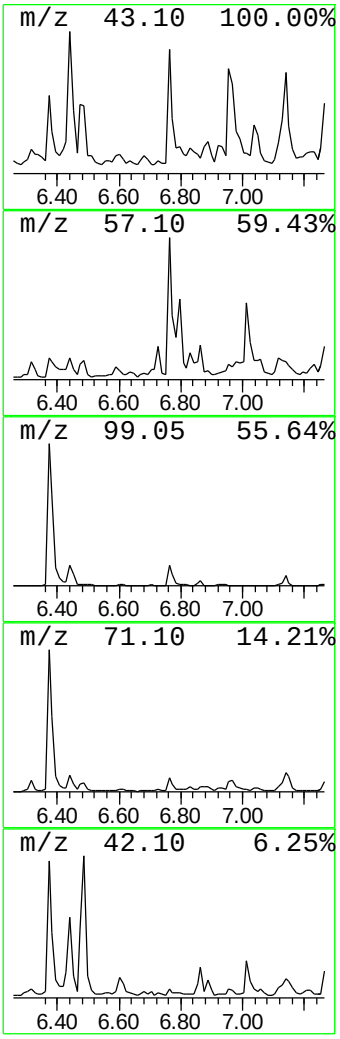
Peak Number 8 3,6-Heptanedione Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.76	12.99 ng	365137	1,4-Dichlorobenzene-d4	6.70

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3,6-Heptanedione	128	C7H12O2	001703-51-1	78
2	3-Methyl-2,4-hexanedione	128	C7H12O2	004220-52-4	50
3	4H-Imidazol-4-one, 2-amino-1,5-d...	99	C3H5N3O	000503-86-6	45
4	Ethanone, 1-(3,3-dimethyloxiranyl)-	114	C6H10O2	004478-63-1	39
5	Hexanoic acid, anhydride	214	C12H22O3	002051-49-2	38





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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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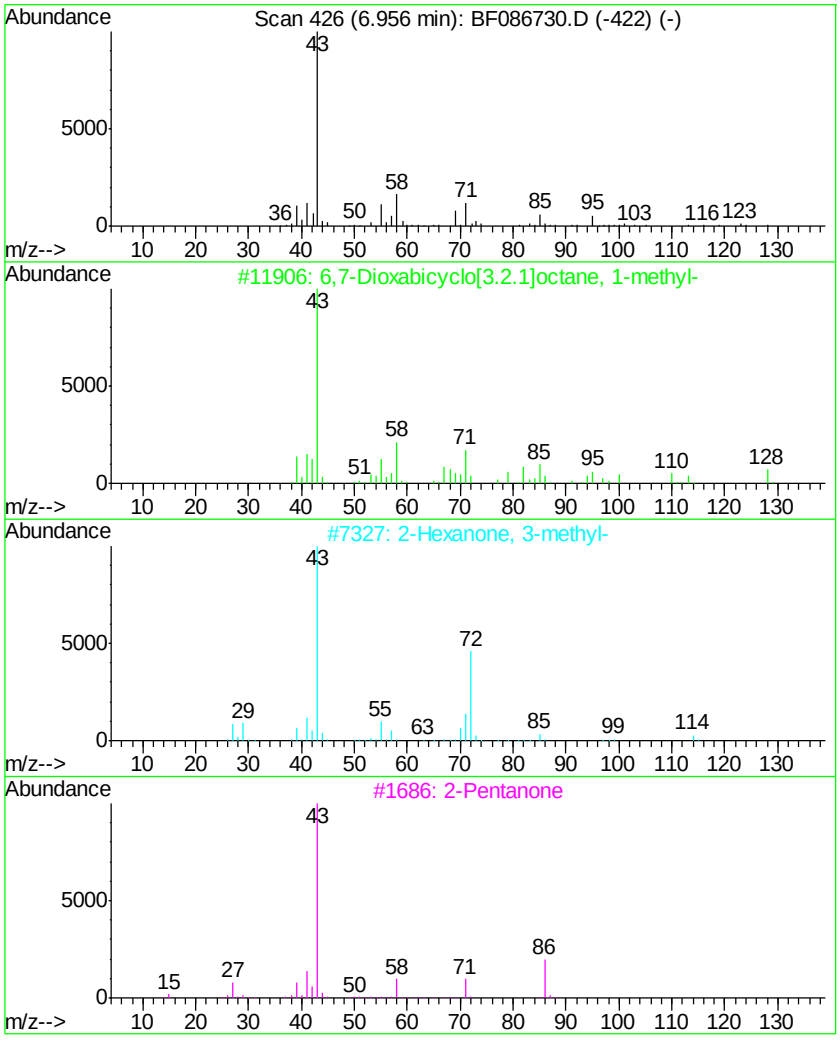
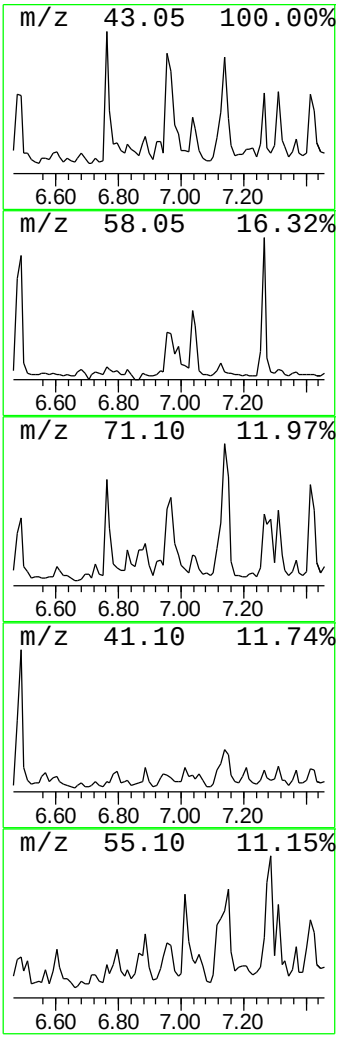
Peak Number 10 6,7-Dioxabicyclo[3.2.1]octa... Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.96	16.73 ng	470236	1,4-Dichlorobenzene-d4	6.70

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	6,7-Dioxabicyclo[3.2.1]octane, 1...	128	C7H12O2	1000142-18-0	50
2	2-Hexanone, 3-methyl-	114	C7H14O	002550-21-2	47
3	2-Pentanone	86	C5H10O	000107-87-9	47
4	2-Nonanone	142	C9H18O	000821-55-6	42
5	2-Heptanone, 6-methyl-	128	C8H16O	000928-68-7	38





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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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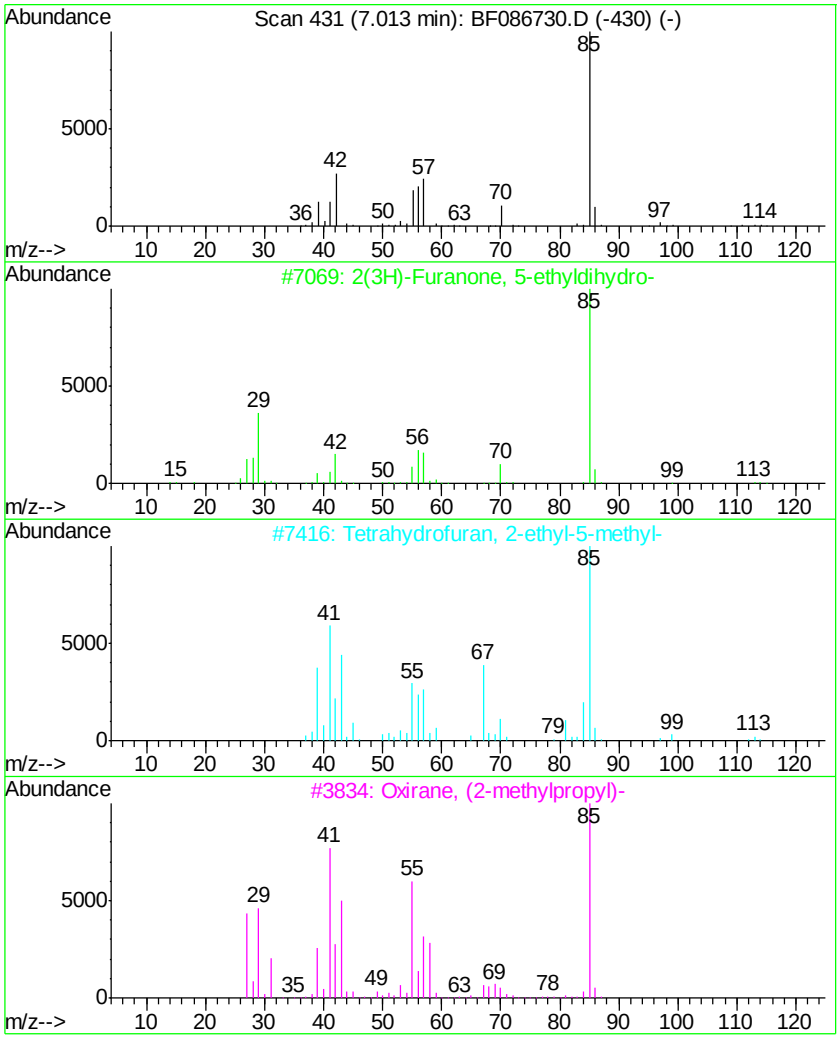
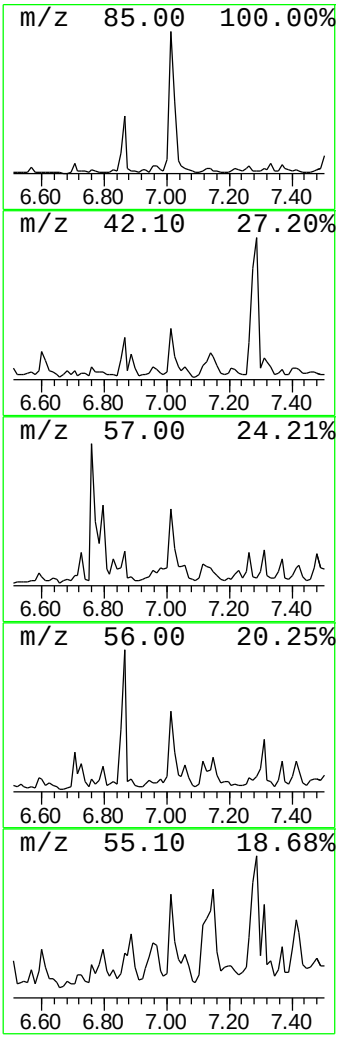
Peak Number 11 2(3H)-Furanone, 5-ethyldihy... Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.01	11.92 ng	335144	1,4-Dichlorobenzene-d4	6.70

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2(3H)-Furanone, 5-ethyldihydro-	114	C6H10O2	000695-06-7	78
2	Tetrahydrofuran, 2-ethyl-5-methyl-	114	C7H14O	000931-39-5	43
3	Oxirane, (2-methylpropyl)-	100	C6H12O	023850-78-4	43
4	n-Decanol tetrahydropyran ether	242	C15H30O2	110477-35-5	38
5	2-Pyrrolidinone	85	C4H7NO	000616-45-5	9





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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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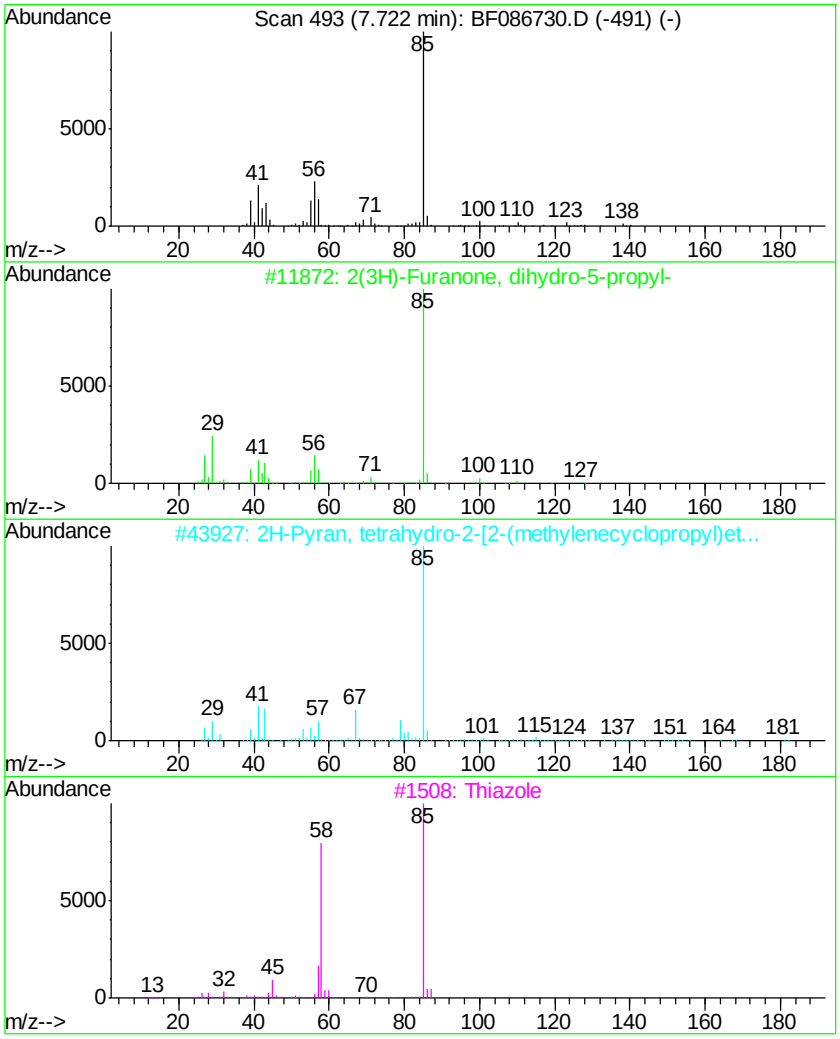
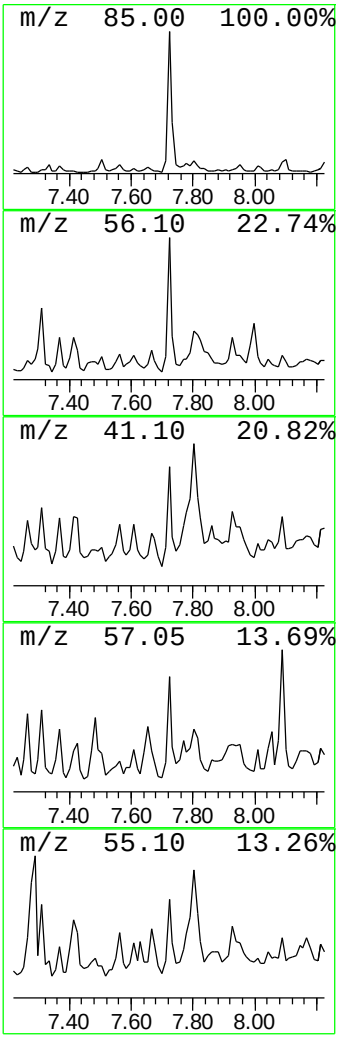
Peak Number 12 2(3H)-Furanone, dihydro-5-p... Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.72	11.13 ng	402976	Naphthalene-d8	8.00

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2(3H)-Furanone, dihydro-5-propyl-	128	C7H12O2	000105-21-5	83
2	2H-Pyran, tetrahydro-2-[2-(methy...	182	C11H18O2	107616-98-8	59
3	Thiazole	85	C3H3NS	000288-47-1	59
4	1-Bromo-7-(tetrahydro-2-pyranylo...	278	C12H23BrO2	010160-25-5	56
5	2,2'-Bi-2H-pyran, octahydro-	170	C10H18O2	016282-29-4	45





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Misc :
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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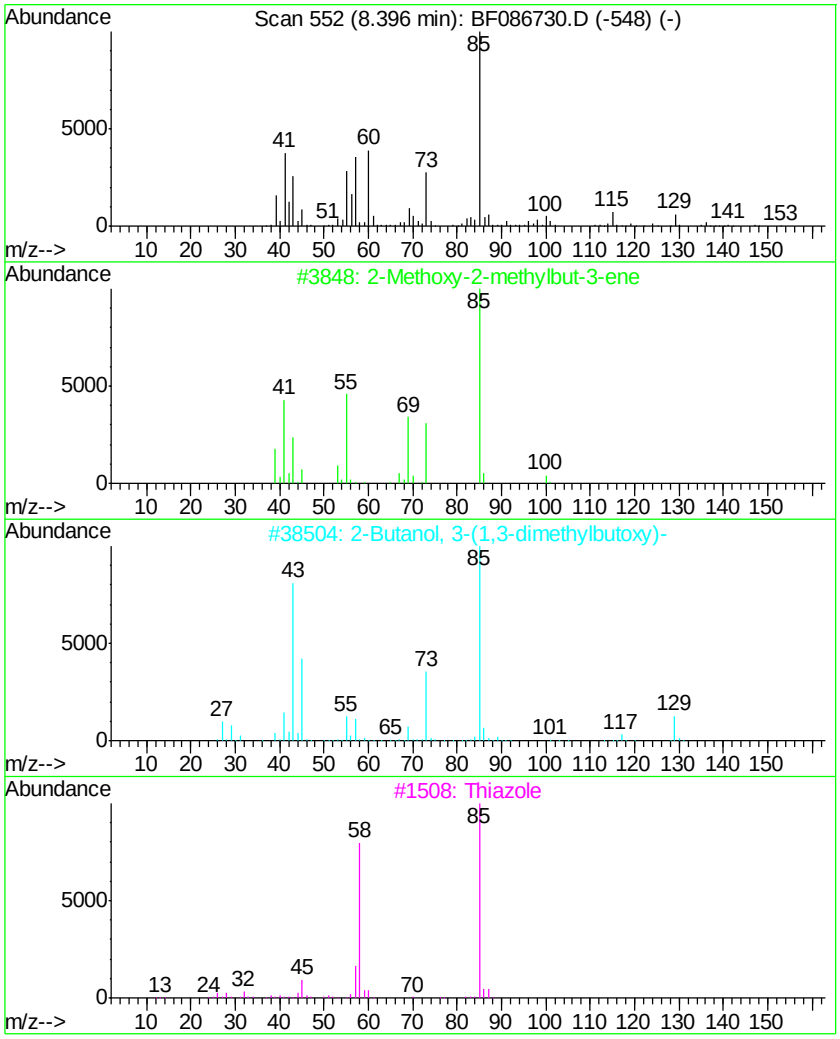
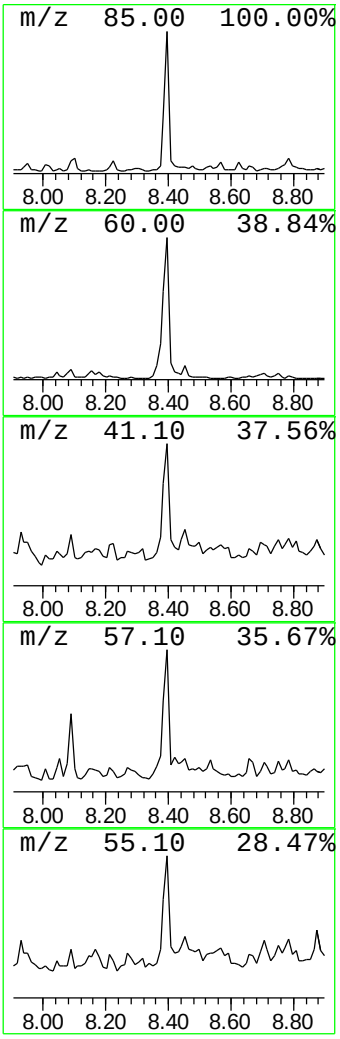
Peak Number 13 unknown8.40 Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.40	23.05 ng	834488	Naphthalene-d8	8.00

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Methoxy-2-methylbut-3-ene	100	C6H12O	040426-44-6	49
2	2-Butanol, 3-(1,3-dimethylbutoxy)-	174	C10H22O2	074810-45-0	40
3	Thiazole	85	C3H3NS	000288-47-1	38
4	2(3H)-Furanone, 5-hexyldihydro-	170	C10H18O2	000706-14-9	38
5	Pentanoic acid, ethyl ester	130	C7H14O2	000539-82-2	38





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Misc :
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Instrument : BNA_F
ClientSampleId : MW-1

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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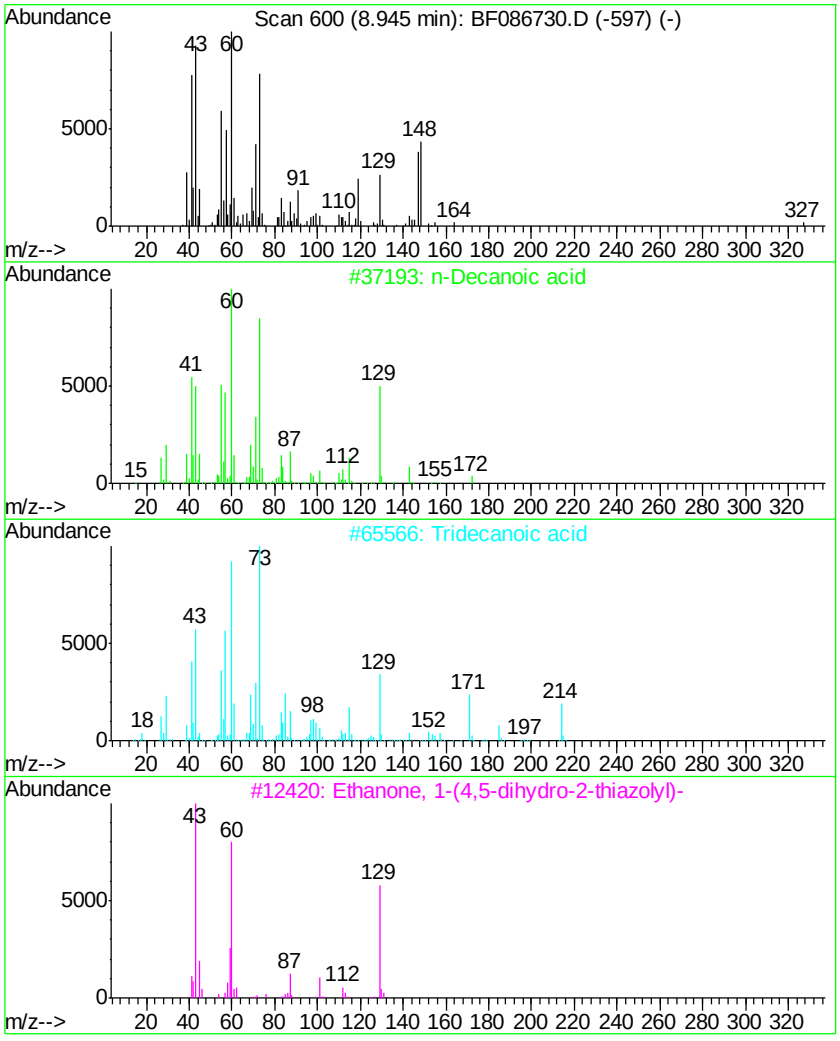
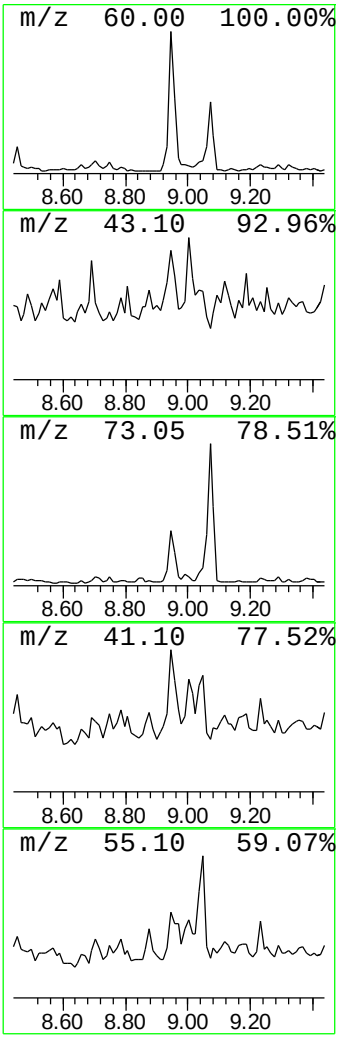
Peak Number 14 unknown8.49 Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.94	9.83 ng	401966	Acenaphthene-d10	9.74

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	n-Decanoic acid	172	C10H20O2	000334-48-5	49
2	Tridecanoic acid	214	C13H26O2	000638-53-9	38
3	Ethanone, 1-(4,5-dihydro-2-thiaz...	129	C5H7NOS	029926-41-8	27
4	Octanoic Acid	144	C8H16O2	000124-07-2	27
5	8-Chlorocapric acid	178	C8H15ClO2	001795-62-6	27





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Misc :
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Instrument : BNA_F
ClientSampleId : MW-1

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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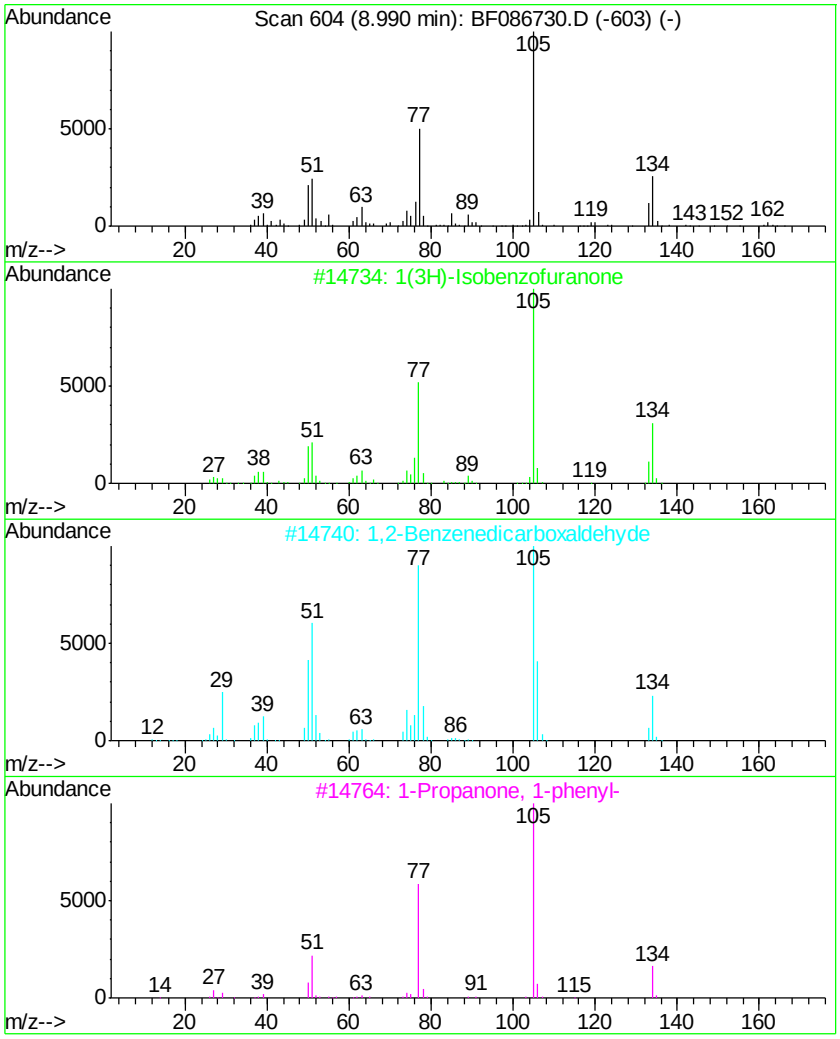
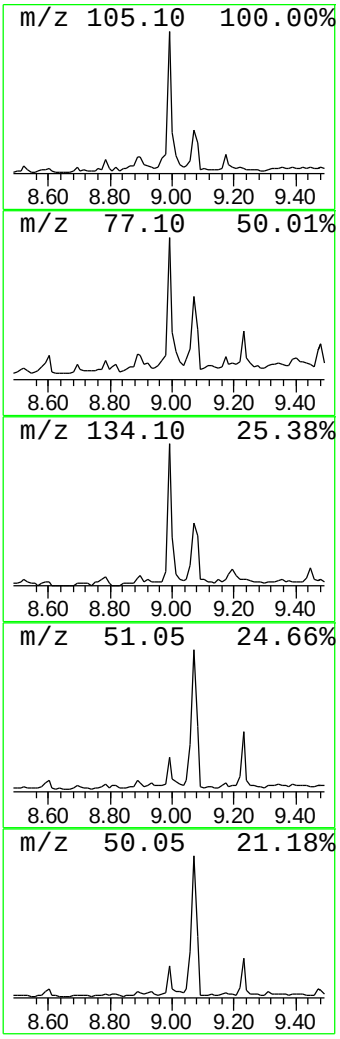
Peak Number 15 1(3H)-Isobenzofuranone Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.99	13.83 ng	565702	Acenaphthene-d10	9.74

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1(3H)-Isobenzofuranone	134	C8H6O2	000087-41-2	96
2	1,2-Benzenedicarboxaldehyde	134	C8H6O2	000643-79-8	90
3	1-Propanone, 1-phenyl-	134	C9H10O	000093-55-0	59
4	Benzoyl chloride	140	C7H5ClO	000098-88-4	58
5	Benzoyl bromide	184	C7H5BrO	000618-32-6	53





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TIC Library : C:\DATABASE\NIST02.L
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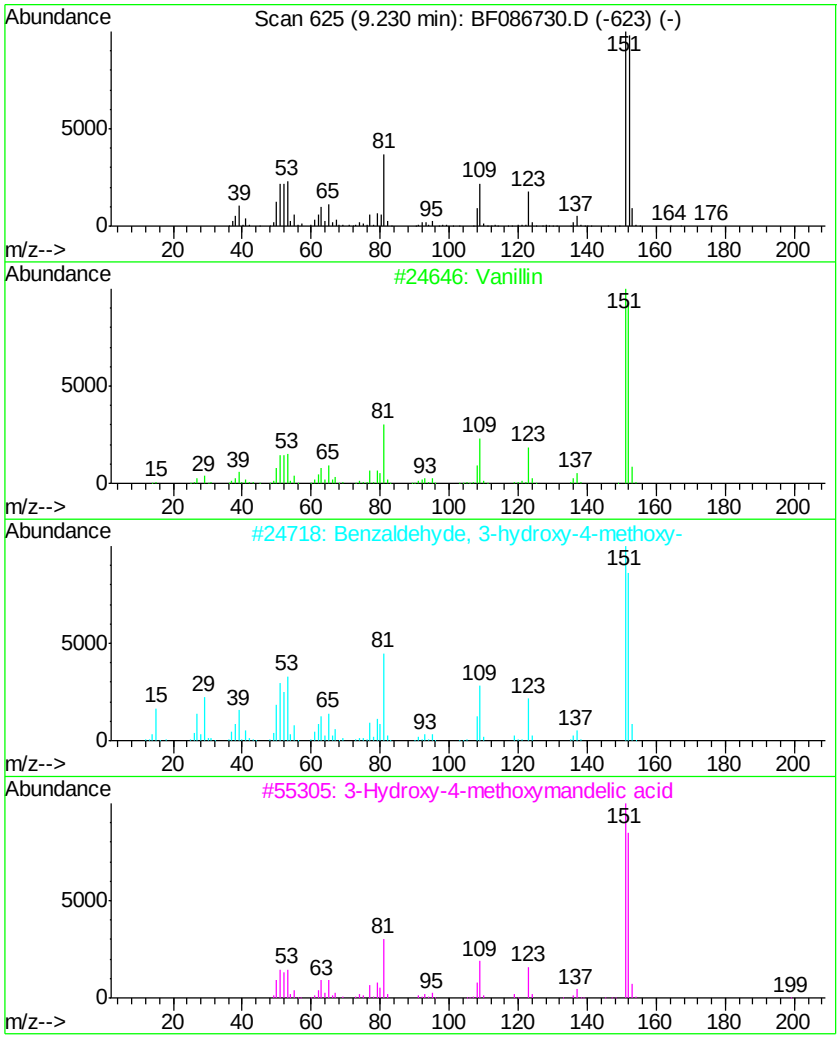
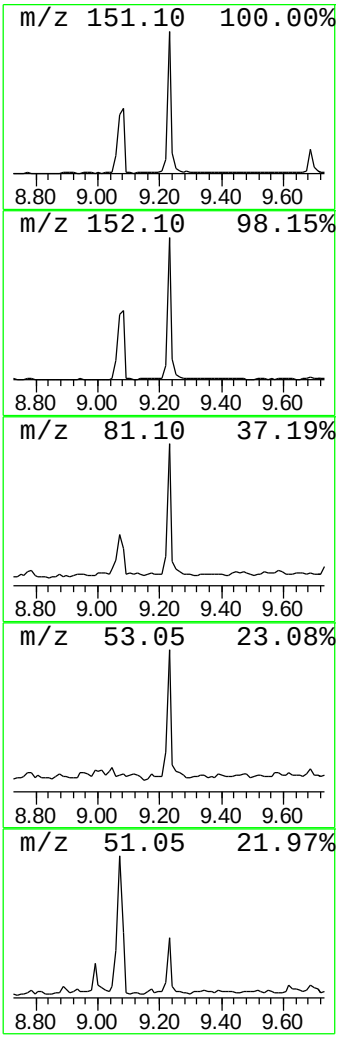
Peak Number 16 Vanillin Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.23	18.01 ng	736594	Acenaphthene-d10	9.74

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Vanillin	152	C8H8O3	000121-33-5	97
2	Benzaldehyde, 3-hydroxy-4-methoxy-	152	C8H8O3	000621-59-0	97
3	3-Hydroxy-4-methoxymandelic acid	198	C9H10O5	003695-24-7	91
4	Benzaldehyde, 3-(chloroacetoxy)-...	228	C10H9ClO4	066267-38-7	83
5	4-Hydroxy-2-methoxybenaldehyde	152	C8H8O3	018278-34-7	62





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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
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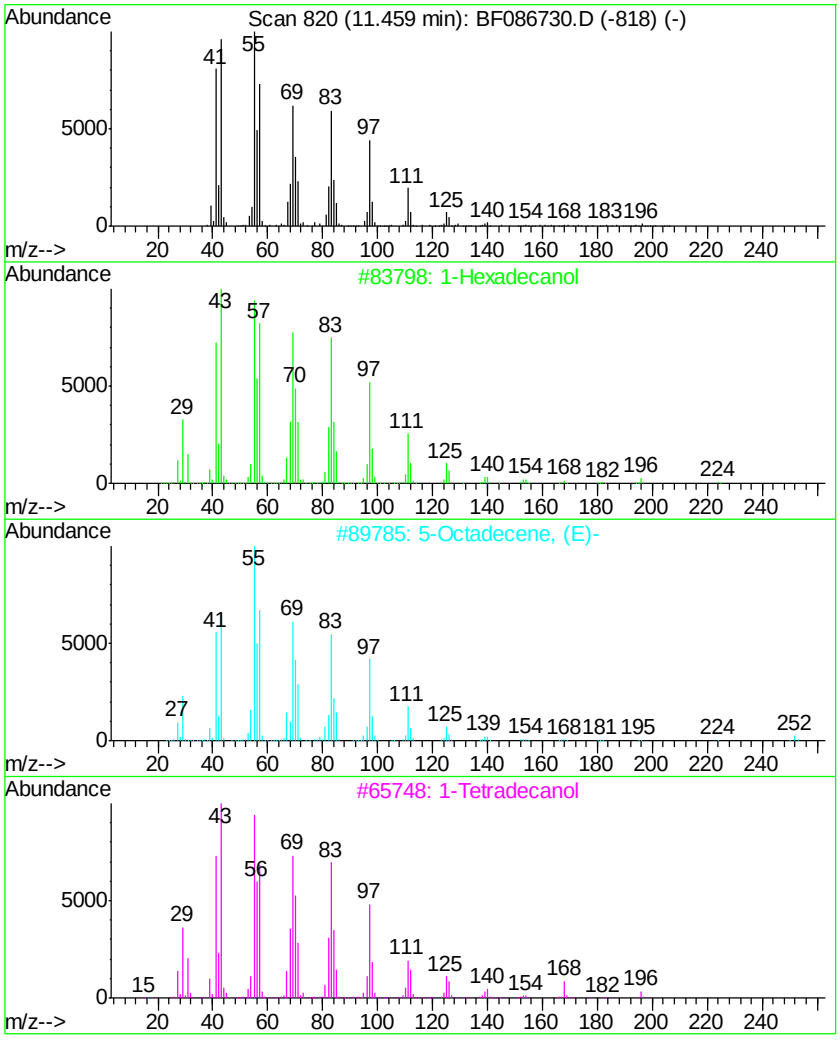
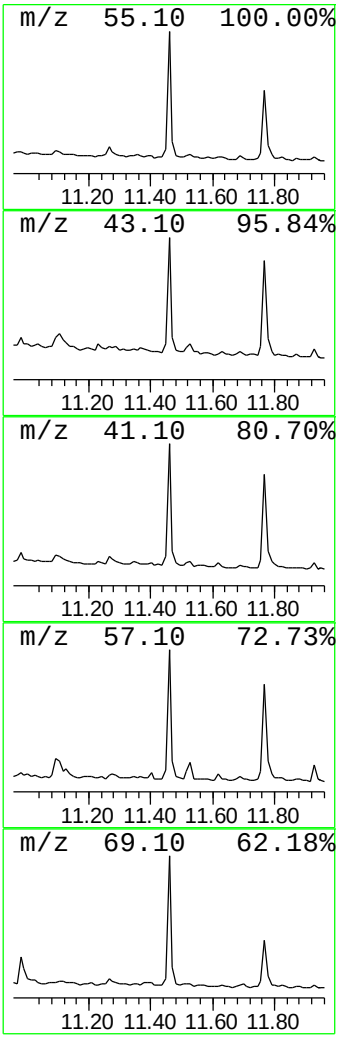
Peak Number 17 1-Hexadecanol Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.46	14.67 ng	534780	Phenanthrene-d10	11.22

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Hexadecanol	242	C16H34O	036653-82-4	91
2	5-Octadecene, (E)-	252	C18H36	007206-21-5	91
3	1-Tetradecanol	214	C14H30O	000112-72-1	91
4	9-Octadecene, (E)-	252	C18H36	007206-25-9	90
5	1-Pentadecanol	228	C15H32O	000629-76-5	87





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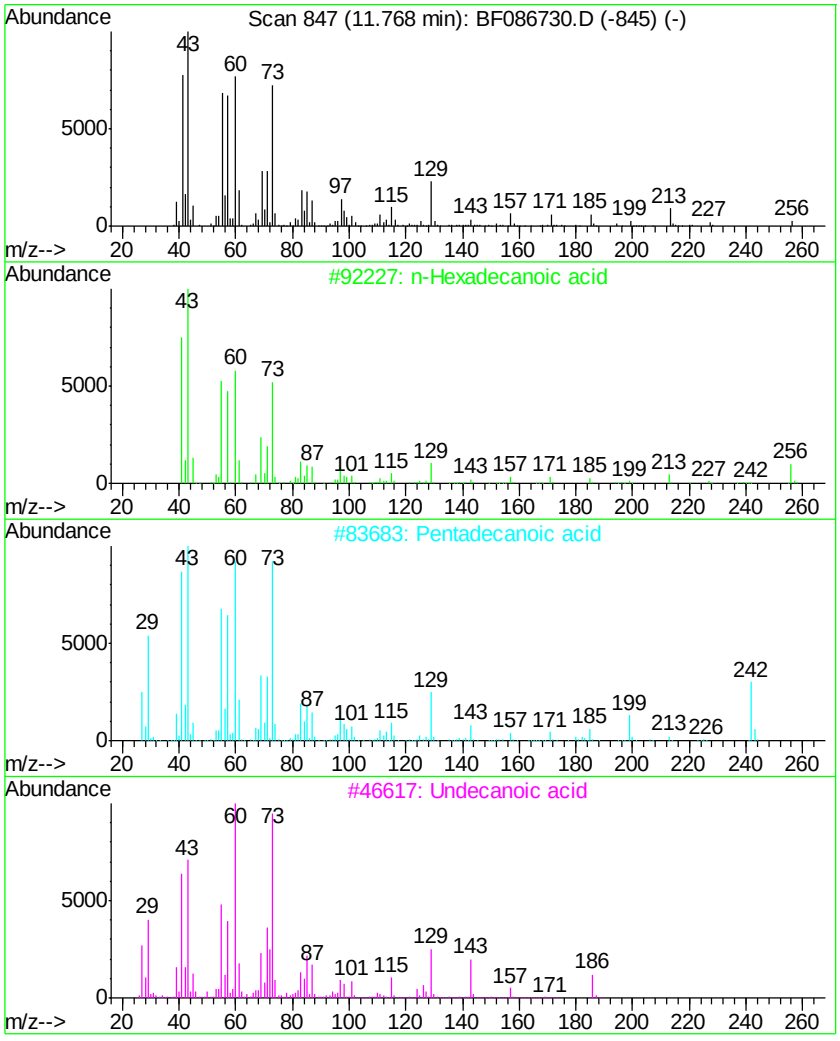
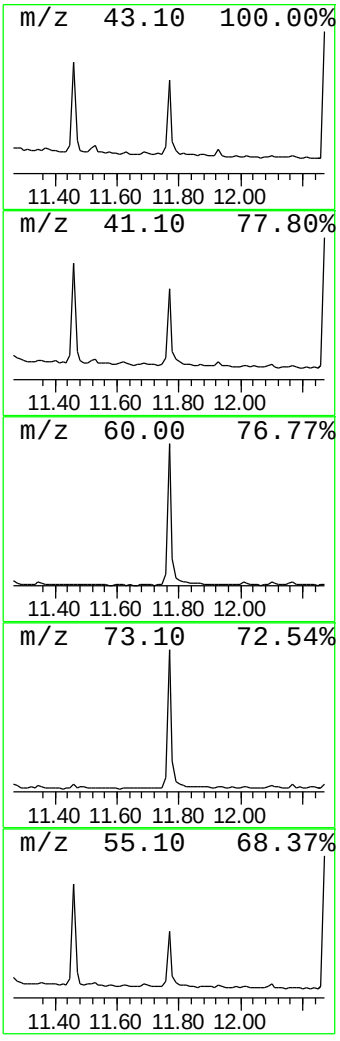
Peak Number 18 n-Hexadecanoic acid Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.77	13.64 ng	497225	Phenanthrene-d10	11.22

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	n-Hexadecanoic acid	256	C16H32O2	000057-10-3	93
2	Pentadecanoic acid	242	C15H30O2	001002-84-2	87
3	Undecanoic acid	186	C11H22O2	000112-37-8	86
4	Tetradecanoic acid	228	C14H28O2	000544-63-8	86
5	n-Decanoic acid	172	C10H20O2	000334-48-5	83





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Data File : BF086730.D
Acq On : 6 May 2016 18:09
Operator : UM/SJ
Sample : H2802-01
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : MW-1

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF050416.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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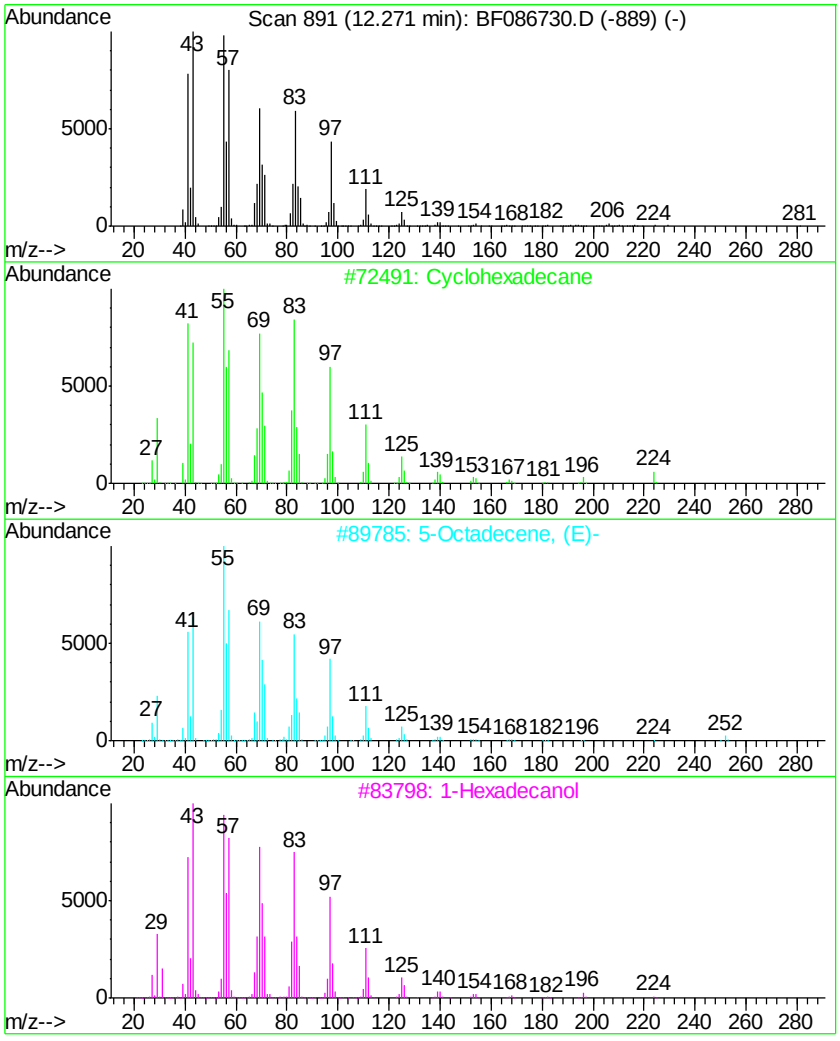
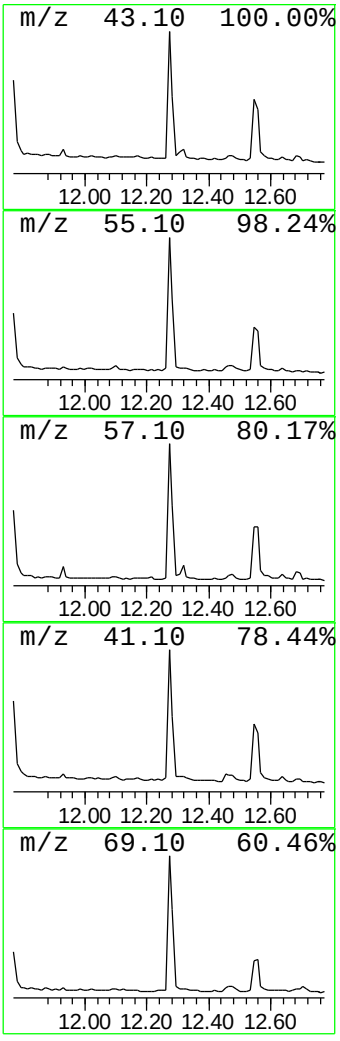
Peak Number 19 Cyclohexadecane Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.27	24.95 ng	909431	Phenanthrene-d10	11.22

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexadecane	224	C16H32	000295-65-8	98
2	5-Octadecene, (E)-	252	C18H36	007206-21-5	91
3	1-Hexadecanol	242	C16H34O	036653-82-4	91
4	1-Octadecene	252	C18H36	000112-88-9	91
5	1-Hexadecene	224	C16H32	000629-73-2	91





Data Path : Z:\HPCHEM1\BNA_F\DATA\BF050616\
Data File : BF086730.D
Acq On : 6 May 2016 18:09
Operator : UM/SJ
Sample : H2802-01
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : MW-1

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF050416.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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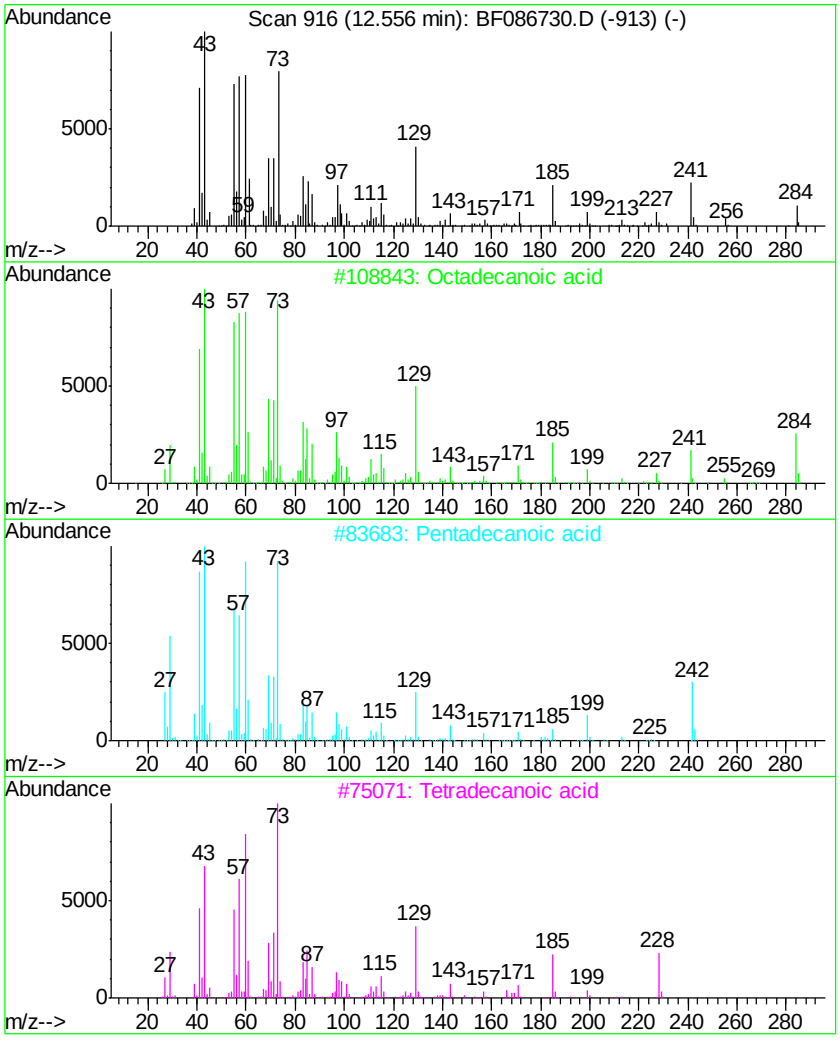
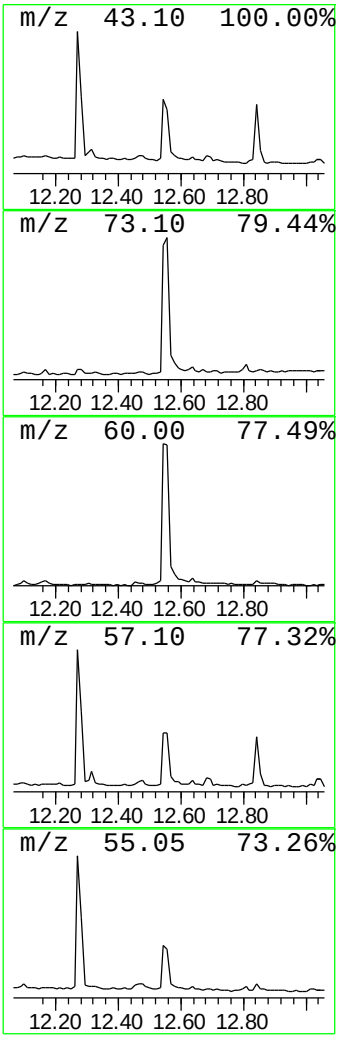
Peak Number 20 Octadecanoic acid Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.56	19.16 ng	612609	Chrysene-d12	13.85

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Octadecanoic acid	284	C18H36O2	000057-11-4	93
2	Pentadecanoic acid	242	C15H30O2	001002-84-2	83
3	Tetradecanoic acid	228	C14H28O2	000544-63-8	64
4	Octadecanoic acid, 2-(2-hydroxye...	372	C22H44O4	000106-11-6	59
5	Undecanoic acid	186	C11H22O2	000112-37-8	55





Tentatively Identified Compound (LSC) summary

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF050616\
Data File : BF086730.D
Acq On : 6 May 2016 18:09
Operator : UM/SJ
Sample : H2802-01
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : MW-1

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF050416.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
Furfural	4.76	10.6	ng	297653	1	6.70	1124210	40.0
2-Heptanone	5.49	16.6	ng	467608	1	6.70	1124210	40.0
Ethanone, 1-(2-fu...	5.72	10.9	ng	306286	1	6.70	1124210	40.0
2,5-Hexanedione	5.90	13.6	ng	383338	1	6.70	1124210	40.0
unknown6.16	6.16	29.0	ng	814198	1	6.70	1124210	40.0
2(3H)-Furanone, d...	6.44	31.9	ng	895873	1	6.70	1124210	40.0
unknown6.49	6.49	168.3	ng	4730560	1	6.70	1124210	40.0
3,6-Heptanedione	6.76	13.0	ng	365137	1	6.70	1124210	40.0
6,7-Dioxabicyclo[...	6.96	16.7	ng	470236	1	6.70	1124210	40.0
2(3H)-Furanone, 5...	7.01	11.9	ng	335144	1	6.70	1124210	40.0
2(3H)-Furanone, d...	7.72	11.1	ng	402976	2	8.00	1447900	40.0
unknown8.40	8.40	23.1	ng	834488	2	8.00	1447900	40.0
unknown8.49	8.94	9.8	ng	401966	3	9.74	1635580	40.0
1(3H)-Isobenzofur...	8.99	13.8	ng	565702	3	9.74	1635580	40.0
Vanillin	9.23	18.0	ng	736594	3	9.74	1635580	40.0
1-Hexadecanol	11.46	14.7	ng	534780	4	11.22	1458030	40.0
n-Hexadecanoic acid	11.77	13.6	ng	497225	4	11.22	1458030	40.0
Cyclohexadecane	12.27	24.9	ng	909431	4	11.22	1458030	40.0
Octadecanoic acid	12.56	19.2	ng	612609	5	13.85	1278860	40.0