LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA F\DATA\BF052216\
Data File : BF087295.D
Acq On : 22 May 2016 17:17
Operator : UM/SJ
Sample : H3172-12
Misc :
ALS Vial : 63 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : MW-02

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-BF051716.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	1.701	8	10	49	rVB	3007934	5958788	100.00%	9.041%
2	4.684	269	271	275	rBV	95814	184803	3.10%	0.280%
3	4.741	275	276	282	rVB	66472	101022	1.70%	0.153%
4	5.016	298	300	305	rVB	48920	87440	1.47%	0.133%
5	5.142	309	311	318	rBV	1886495	2316501	38.88%	3.515%
6	5.290	322	324	328	rVV	177657	207995	3.49%	0.316%
7	5.370	328	331	335	rVV2	48645	150475	2.53%	0.228%
8	5.564	345	348	355	rVB3	48725	131820	2.21%	0.200%
9	5.873	372	375	378	rBV2	74627	107236	1.80%	0.163%
10	5.953	379	382	384	rVV2	117783	195289	3.28%	0.296%
11	6.010	384	387	389	rVV2	164090	260057	4.36%	0.395%
12	6.044	389	390	395	rVB2	137302	246850	4.14%	0.375%
13	6.239	405	407	412	rBV	991167	1590884	26.70%	2.414%
14	6.330	412	415	419	rVV	3752023	3715797	62.36%	5.638%
15	6.433	423	424	426	rBV	159521	158189	2.65%	0.240%
16	6.490	427	429	432	rVB3	88183	133613	2.24%	0.203%
17	6.559	432	435	440	rVB2	732261	1196660	20.08%	1.816%
18	6.650	440	443	446	rBV2	46441	68966	1.16%	0.105%
19	6.707	446	448	451	rBV	3150955	3300336	55.39%	5.007%
20	6.787	451	455	459	rVB3	78781	192700	3.23%	0.292%
21	6.913	462	466	470	rBV4	130470	296284	4.97%	0.450%
22	6.982	470	472	473	rBV	146829	191005	3.21%	0.290%
23	7.027	473	476	479	rVB2	112342	221934	3.72%	0.337%
24	7.085	479	481	483	rBV3	120203	206941	3.47%	0.314%
25	7.142	483	486	488	rBV	2537575	3376469	56.66%	5.123%
26	7.176	488	489	491	rVB2	85479	102591	1.72%	0.156%
27	7.245	494	495	497	rBV	271730	266238	4.47%	0.404%
28	7.336	500	503	505	rBV4	186229	255828	4.29%	0.388%
29	7.370	505	506	509	rVB3	137126	186415	3.13%	0.283%
30	7.427	509	511	513	rBV3	131790	216238	3.63%	0.328%
31	7.530	516	520	522	rBV4	169036	278418	4.67%	0.422%
32	7.576	522	524	525	rBV	145372	234281	3.93%	0.355%
33	7.610	525	527	529	rVB	180910	241944	4.06%	0.367%
34	7.656	529	531	532	rBV2	162189	254339	4.27%	0.386%

LSC Area Percent Report

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Acq On : 22 May 2016 17:17
Operator : UM/SJ
Sample : H3172-12
Misc :
ALS Vial : 63 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : MW-02

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-BF051716.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

35	7.679	532	533	535	rVB2	178293	143154	2.40%	0.217%
36	7.759	539	540	541	rBV	100165	102650	1.72%	0.156%
37	7.793	541	543	545	rBV3	84100	122189	2.05%	0.185%
38	7.850	545	548	551	rBV	936501	1568351	26.32%	2.379%
39	7.919	552	554	557	rVB4	179425	329440	5.53%	0.500%
40	8.033	559	564	566	rBV4	399617	932227	15.64%	1.414%
41	8.090	566	569	570	rBV3	193223	289718	4.86%	0.440%
42	8.125	570	572	573	rBV	163363	202299	3.39%	0.307%
43	8.205	577	579	583	rVB3	154476	356385	5.98%	0.541%
44	8.319	583	589	593	rBV6	653284	2292132	38.47%	3.478%
45	8.376	593	594	595	rVB	313818	215279	3.61%	0.327%
46	8.410	595	597	599	rVB3	234423	313560	5.26%	0.476%
47	8.468	601	602	603	rVB	173632	119025	2.00%	0.181%
48	8.513	603	606	608	rVB2	294966	452415	7.59%	0.686%
49	8.570	608	611	613	rBV2	242795	566698	9.51%	0.860%
50	8.628	613	616	617	rBV2	406519	679477	11.40%	1.031%
51	8.685	617	621	624	rBV5	338360	1017074	17.07%	1.543%
52	8.742	624	626	627	rVV2	358011	572423	9.61%	0.868%
53	8.810	630	632	636	rVV4	324603	660935	11.09%	1.003%
54	8.879	636	638	639	rVV2	613929	900068	15.10%	1.366%
55	8.925	640	642	644	rVV	4373538	4413214	74.06%	6.696%
56	9.016	648	650	651	rBV	292668	357365	6.00%	0.542%
57	9.108	657	658	661	rBV2	506476	765259	12.84%	1.161%
58	9.279	669	673	675	rBV4	531914	1274440	21.39%	1.934%
59	9.325	675	677	678	rVV	484888	708108	11.88%	1.074%
60	9.371	678	681	682	rVV2	596353	1273709	21.38%	1.932%
61	9.462	686	689	690	rVV	423664	543929	9.13%	0.825%
62	9.496	690	692	694	rVV2	345171	671973	11.28%	1.020%
63	9.565	694	698	699	rVV4	243195	541357	9.09%	0.821%
64	9.588	699	700	707	rVV2	1191227	2108424	35.38%	3.199%
65	9.691	707	709	712	rVB3	374018	585842	9.83%	0.889%
66	9.885	724	726	727	rBV	412627	484744	8.13%	0.735%
67	9.965	729	733	734	rBV2	589721	1214499	20.38%	1.843%
68	10.091	741	744	746	rBV3	470839	782976	13.14%	1.188%
69	10.273	758	760	763	rVB3	362242	554675	9.31%	0.842%
70	10.342	763	766	768	rVB	453326	697985	11.71%	1.059%
71	10.388	768	770	773	rBV	2598717	2896260	48.60%	4.394%

LSC Area Percent Report

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Operator : UM/SJ
Sample : H3172-12
Misc :
ALS Vial : 63 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : MW-02

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-BF051716.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

72	10.456	774	776	778	rVB2	347182	504628	8.47%	0.766%
73	10.536	782	783	785	rVB2	232714	257989	4.33%	0.391%
74	10.582	785	787	789	rBV2	412518	544041	9.13%	0.825%
75	11.074	828	830	832	rBV	1112383	957419	16.07%	1.453%
76	11.131	833	835	836	rBV2	275618	252209	4.23%	0.383%
77	12.651	965	968	971	rBV	2922413	3520679	59.08%	5.341%
78	13.565	1045	1048	1057	rVB	67947	129639	2.18%	0.197%
79	13.691	1057	1059	1066	rVB	514778	746513	12.53%	1.133%
80	15.051	1175	1178	1186	rVB	466942	654127	10.98%	0.992%

Sum of corrected areas: 65911848

Data Path : Z:\HPCHEM1\BNA F\DATA\BF052216\
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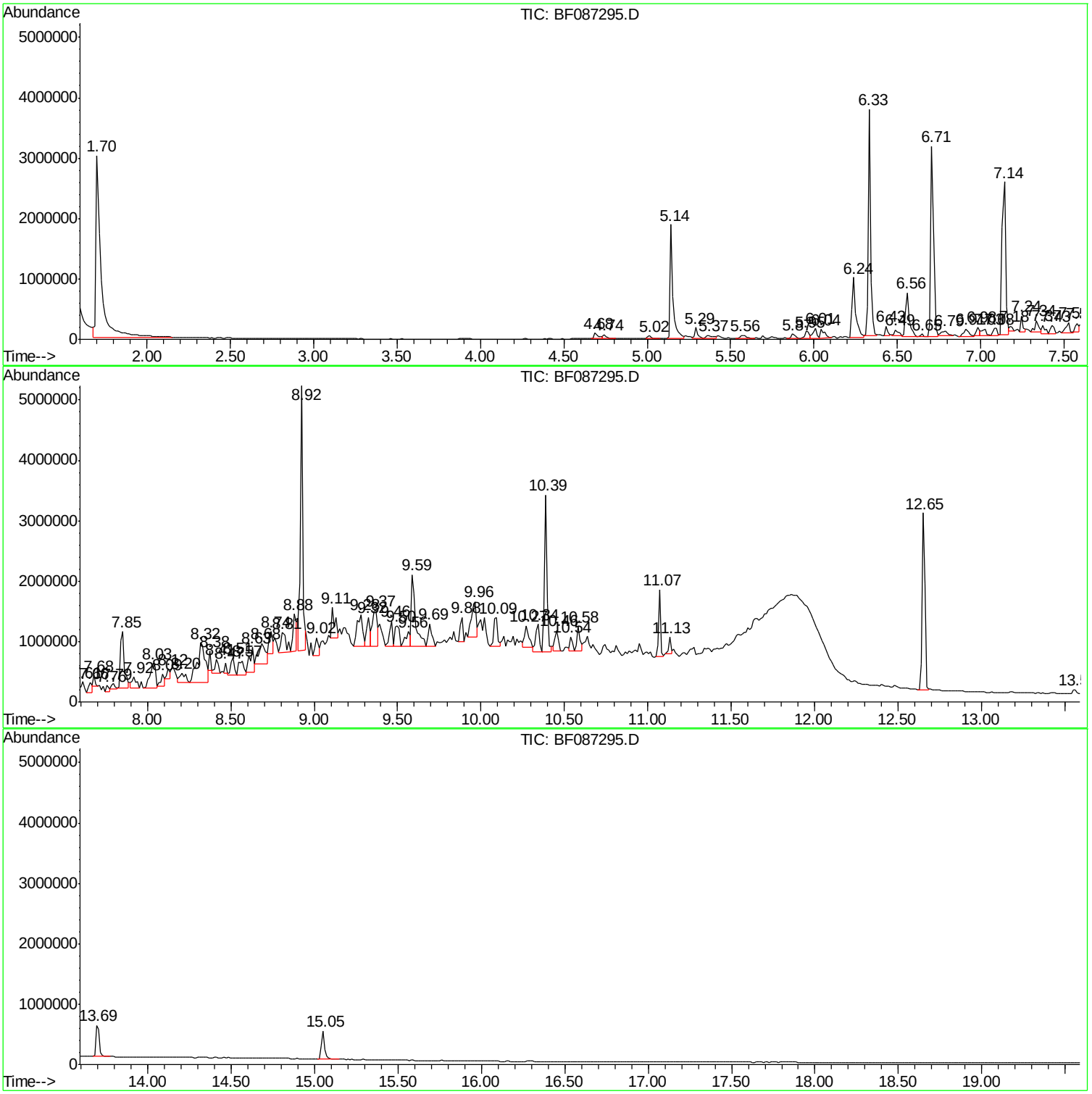
Sample : H3172-12
Misc :
ALS Vial : 63 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
MW-02

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF051716.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\BF052216\
Data File : BF087295.D
Acq On : 22 May 2016 17:17
Operator : UM/SJ
Sample : H3172-12
Misc :
ALS Vial : 63 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : MW-02

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF051716.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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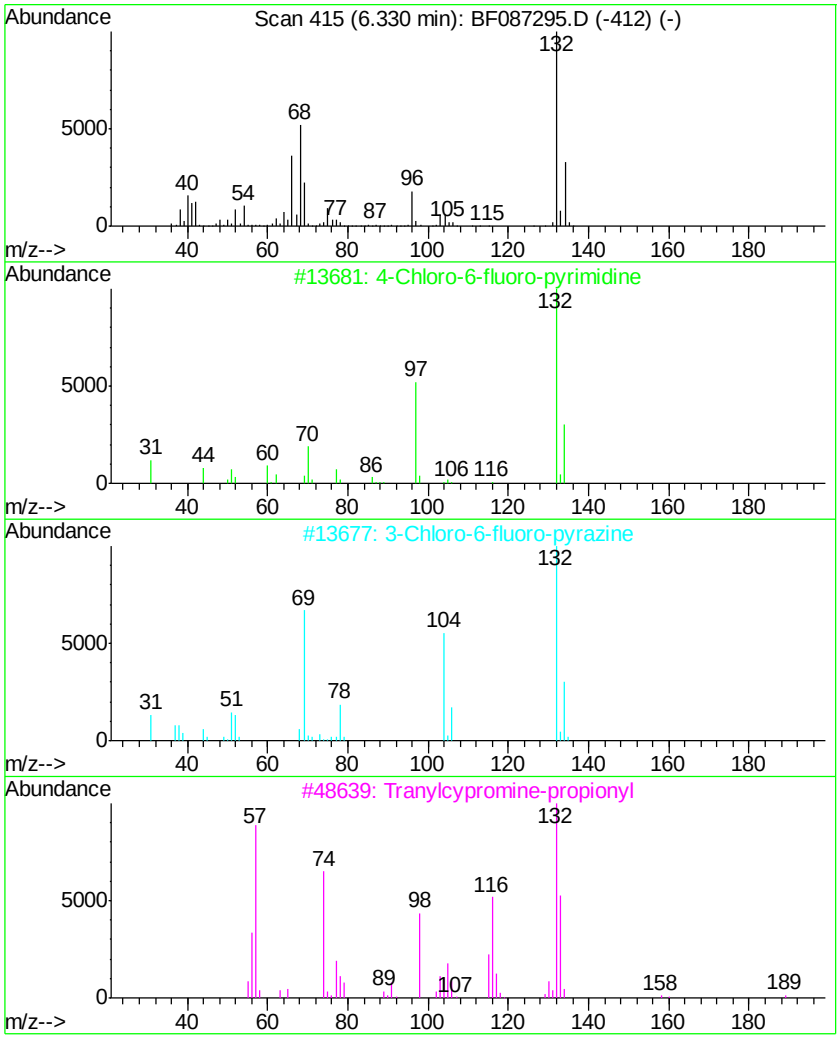
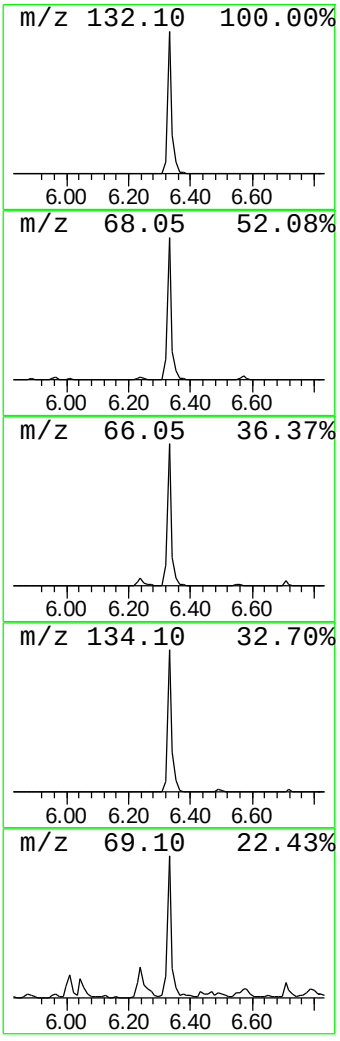
Peak Number 2 unknown6.33 Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.33	62.10 ng	3715800	1,4-Dichlorobenzene-d4	6.56

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	12





Data Path : Z:\HPCHEM1\BNA F\DATA\BF052216\
Data File : BF087295.D
Acq On : 22 May 2016 17:17
Operator : UM/SJ
Sample : H3172-12
Misc :
ALS Vial : 63 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : MW-02

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF051716.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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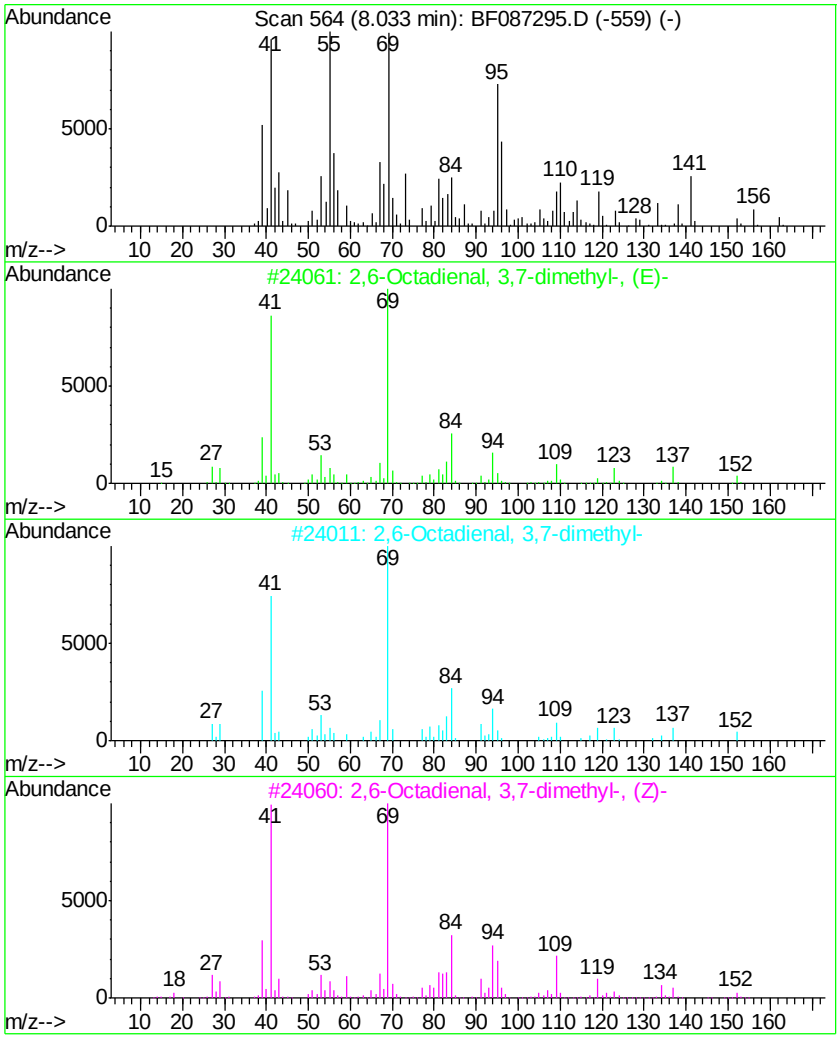
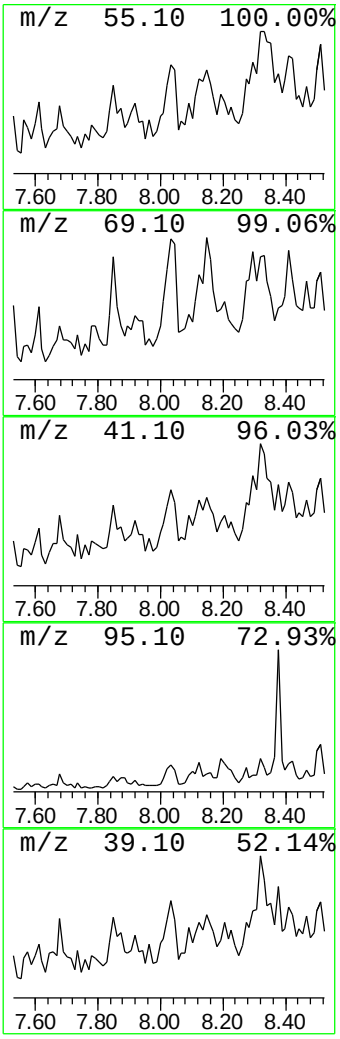
Peak Number 4 unknown8.03 Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.03	11.89 ng	932227	Naphthalene-d8	7.85

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2,6-Octadienal, 3,7-dimethyl-, (E)-	152	C10H16O	000141-27-5	30
2	2,6-Octadienal, 3,7-dimethyl-	152	C10H16O	005392-40-5	30
3	2,6-Octadienal, 3,7-dimethyl-, (Z)-	152	C10H16O	000106-26-3	30
4	Cyclohexene, 3-methyl-6-(1-methy...	138	C10H18	005256-65-5	25
5	1-Pentene, 3-methyl-	84	C6H12	000760-20-3	25





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA F\DATA\BF052216\
Data File : BF087295.D
Acq On : 22 May 2016 17:17
Operator : UM/SJ
Sample : H3172-12
Misc :
ALS Vial : 63 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : MW-02

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF051716.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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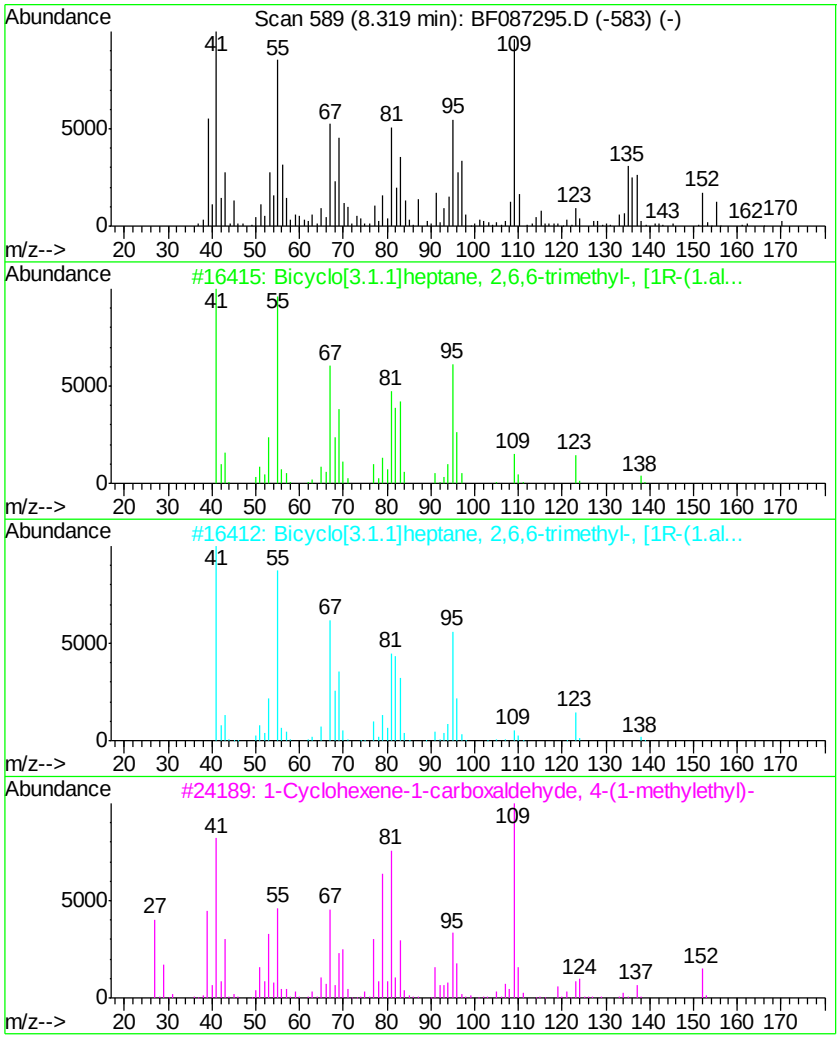
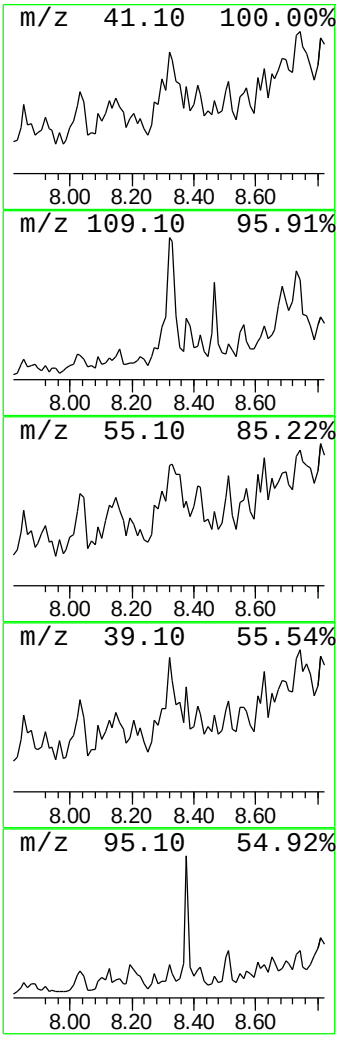
Peak Number 5 Bicyclo[3.1.1]heptane, 2,6,... Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.32	29.23 ng	2292130	Naphthalene-d8	7.85

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Bicyclo[3.1.1]heptane, 2,6,6-tri...	138	C10H18	004863-59-6	50
2	Bicyclo[3.1.1]heptane, 2,6,6-tri...	138	C10H18	004795-86-2	47
3	1-Cyclohexene-1-carboxaldehyde, ...	152	C10H16O	021391-98-0	46
4	Naphthalene, decahydro-2-methyl-	152	C11H20	002958-76-1	46
5	Bicyclo[2.2.1]heptane-2-carboxal...	138	C9H14O	015780-36-6	38





Library Search Compound Report

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Instrument : BNA_F
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Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF051716.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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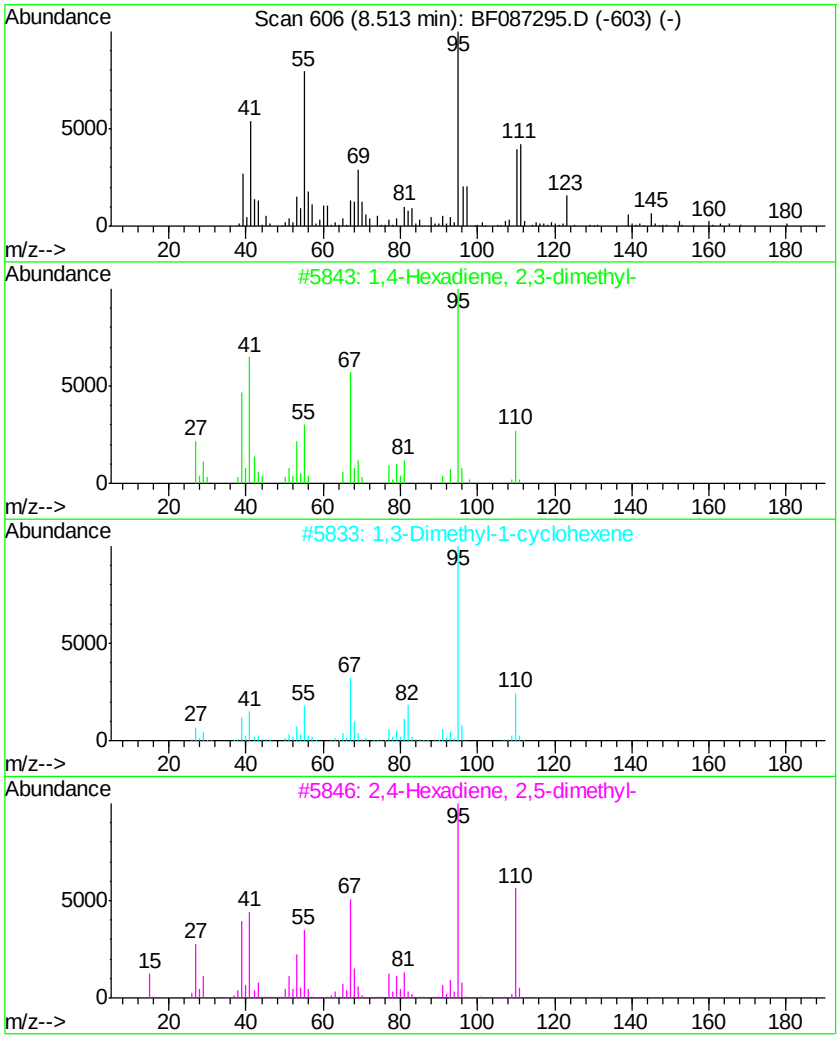
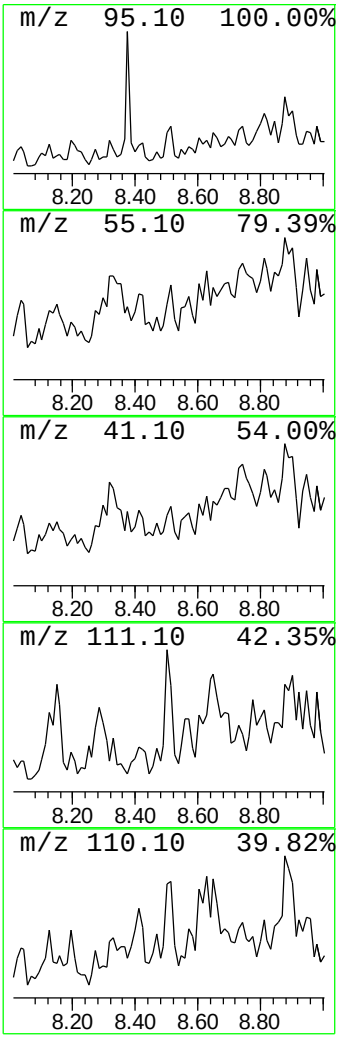
Peak Number 6 unknown8.51 Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.51	5.77 ng	452415	Naphthalene-d8	7.85

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,4-Hexadiene, 2,3-dimethyl-	110	C8H14	018669-52-8	38
2	1,3-Dimethyl-1-cyclohexene	110	C8H14	002808-76-6	38
3	2,4-Hexadiene, 2,5-dimethyl-	110	C8H14	000764-13-6	38
4	Ethanone, 1-(2-furanyl)-	110	C6H6O2	001192-62-7	38
5	Cyclobutene, 1,2,3,4-tetramethyl-	110	C8H14	090346-45-5	32





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Operator : UM/SJ
Sample : H3172-12
Misc :
ALS Vial : 63 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : MW-02

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF051716.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

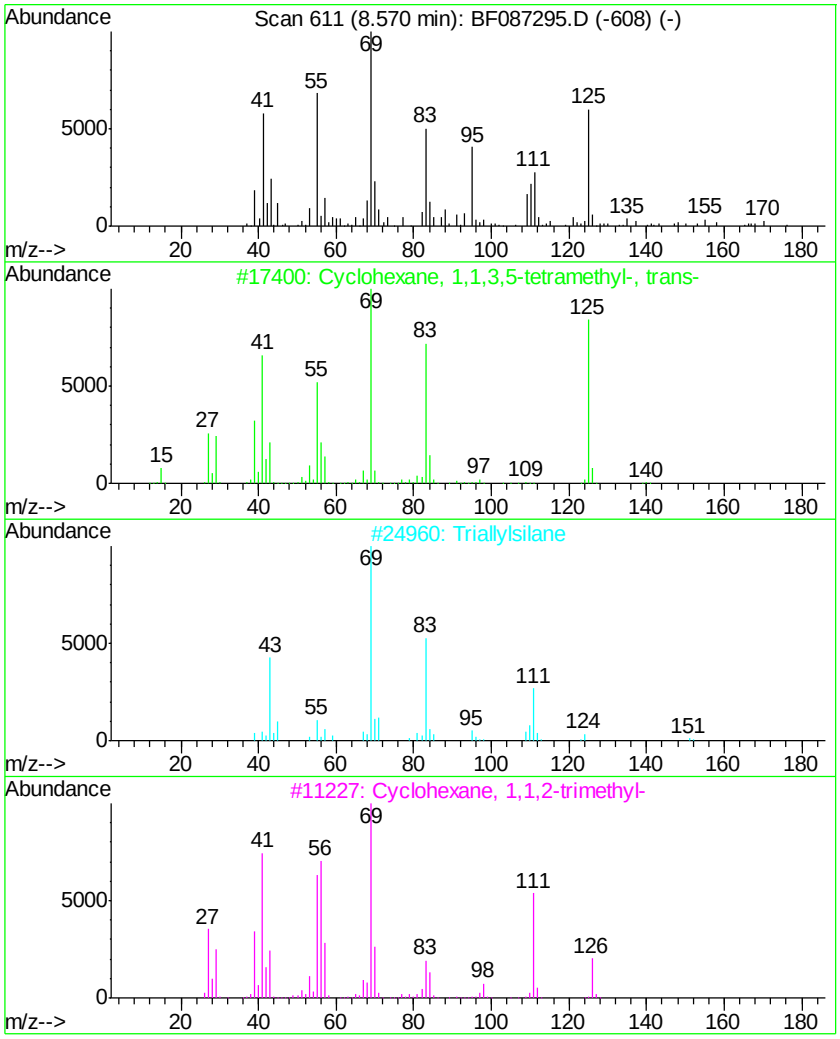
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

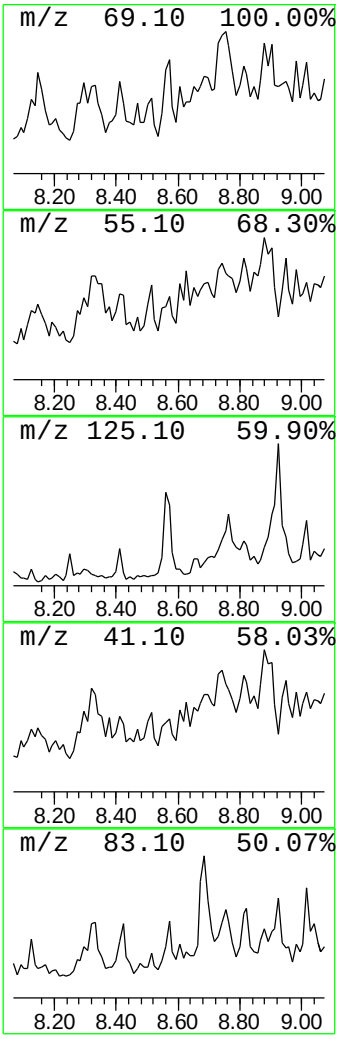
****

Peak Number 7 Cyclohexane, 1,1,3,5-tetram... Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.57	7.23 ng	566698	Naphthalene-d8	7.85

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, 1,1,3,5-tetramethyl...	140	C10H20	050876-31-8	60
2	Triallylsilane	152	C9H16Si	001116-62-7	43
3	Cyclohexane, 1,1,2-trimethyl-	126	C9H18	007094-26-0	38
4	2-Undecene, 2-methyl-	168	C12H24	056888-88-1	35
5	Cyclohexane, 1-ethyl-2,3-dimethyl-	140	C10H20	007058-05-1	35





Data Path : Z:\HPCHEM1\BNA F\DATA\BF052216\
Data File : BF087295.D
Acq On : 22 May 2016 17:17
Operator : UM/SJ
Sample : H3172-12
Misc :
ALS Vial : 63 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : MW-02

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF051716.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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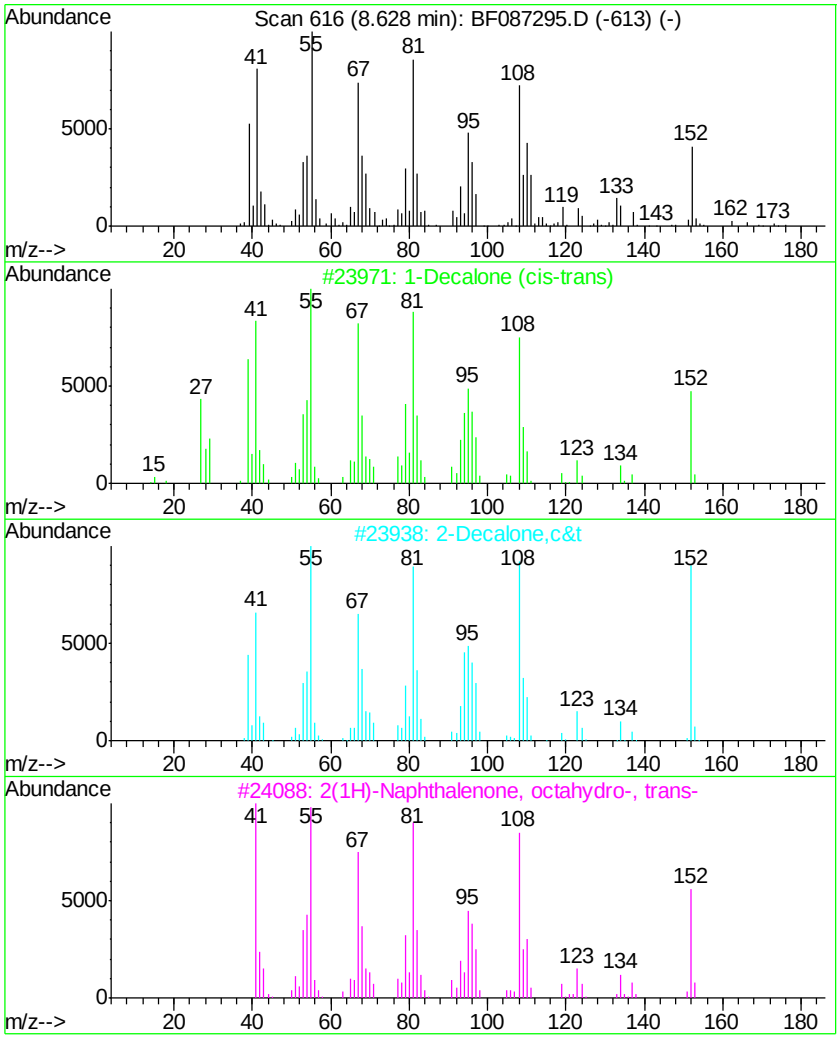
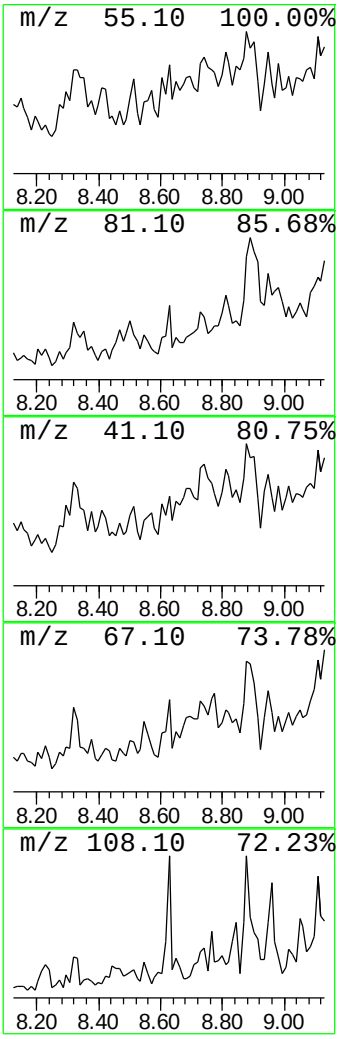
Peak Number 8 1-Decalone (cis-trans) Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.63	8.66 ng	679477	Naphthalene-d8	7.85

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Decalone (cis-trans)	152	C10H16O	004832-16-0	94
2	2-Decalone,c&t	152	C10H16O	004832-17-1	91
3	2(1H)-Naphthalenone, octahydro-,...	152	C10H16O	016021-08-2	90
4	Spiro[3.5]nonan-1-one, 5-methyl-...	152	C10H16O	065147-56-0	81
5	Bicyclo[4.1.0]heptan-3-one, 4,7,...	152	C10H16O	004176-04-9	64





Data Path : Z:\HPCHEM1\BNA F\DATA\BF052216\
Data File : BF087295.D
Acq On : 22 May 2016 17:17
Operator : UM/SJ
Sample : H3172-12
Misc :
ALS Vial : 63 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : MW-02

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF051716.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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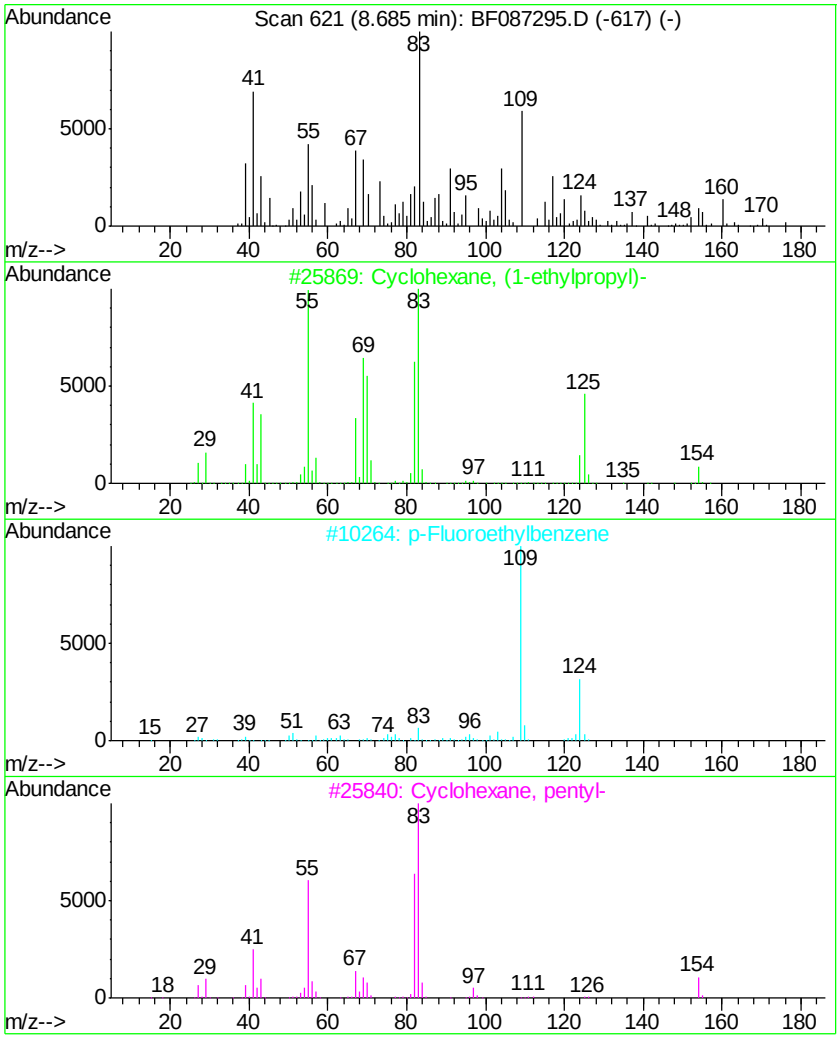
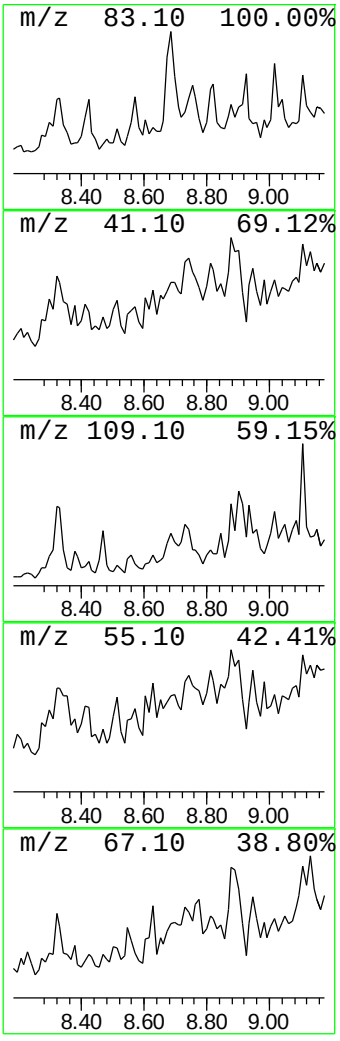
Peak Number 9 unknown8.68 Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.68	12.97 ng	1017070	Naphthalene-d8	7.85

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, (1-ethylpropyl)-	154	C11H22	026321-98-2	37
2	p-Fluoroethylbenzene	124	C8H9F	000459-47-2	32
3	Cyclohexane, pentyl-	154	C11H22	004292-92-6	27
4	Cyclohexanecarboxylic acid, meth...	142	C8H14O2	004630-82-4	25
5	2,4-Heptadiene, 2,4-dimethyl-	124	C9H16	074421-05-9	25





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Data File : BF087295.D
Acq On : 22 May 2016 17:17
Operator : UM/SJ
Sample : H3172-12
Misc :
ALS Vial : 63 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : MW-02

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF051716.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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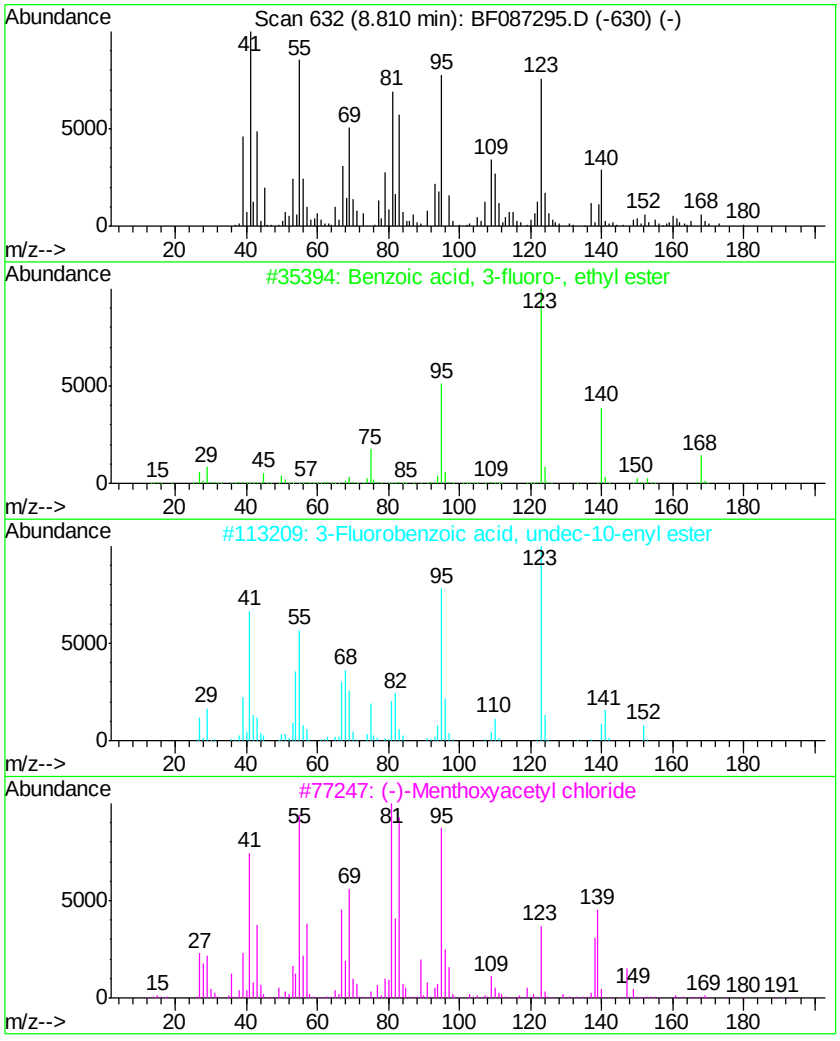
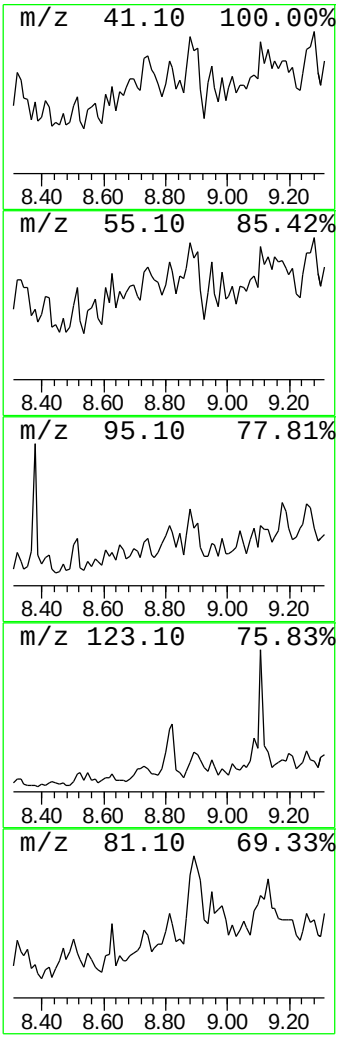
Peak Number 10 unknown8.81 Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.81	6.27 ng	660935	Acenaphthene-d10	9.59

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzoic acid, 3-fluoro-, ethyl e...	168	C9H9FO2	000451-02-5	47
2	3-Fluorobenzoic acid, undec-10-e...	292	C18H25FO2	1000279-01-2	47
3	(-)-Menthoxyacetyl chloride	232	C12H21ClO2	015356-62-4	35
4	2,2-Dimethylocta-3,4-dienal	152	C10H16O	000590-71-6	35
5	1,3-Dimethyl-1-cyclohexene	110	C8H14	002808-76-6	25





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Acq On : 22 May 2016 17:17
Operator : UM/SJ
Sample : H3172-12
Misc :
ALS Vial : 63 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : MW-02

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF051716.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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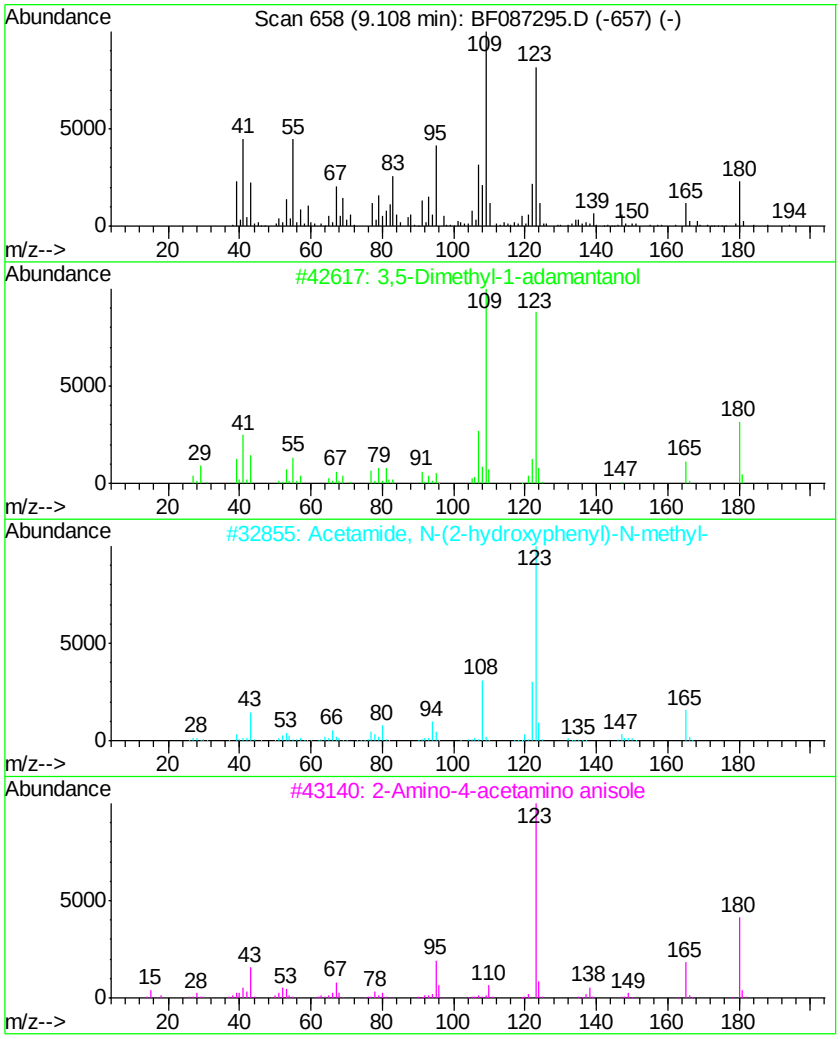
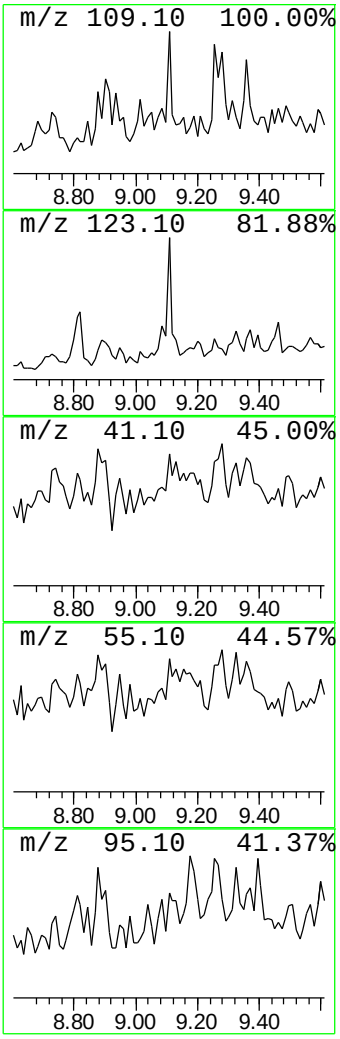
Peak Number 11 3,5-Dimethyl-1-adamantanol Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.11	7.26 ng	765259	Acenaphthene-d10	9.59

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3,5-Dimethyl-1-adamantanol	180	C12H20O	000707-37-9	72
2	Acetamide, N-(2-hydroxyphenyl)-N...	165	C9H11NO2	000573-27-3	46
3	2-Amino-4-acetamino anisole	180	C9H12N2O2	006375-47-9	46
4	1,4-Hexadiene, 2,3,4,5-tetramethyl-	138	C10H18	051504-54-2	35
5	2,2-Dimethylocta-3,4-dienal	152	C10H16O	000590-71-6	27





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Acq On : 22 May 2016 17:17
Operator : UM/SJ
Sample : H3172-12
Misc :
ALS Vial : 63 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : MW-02

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF051716.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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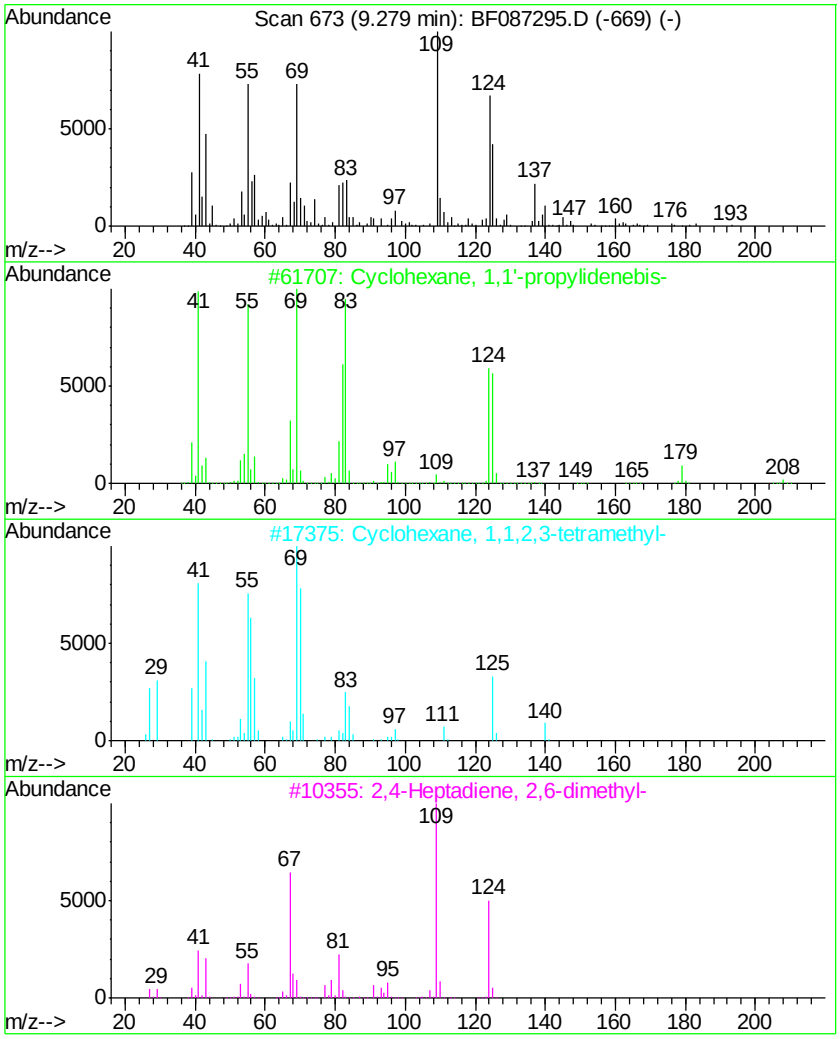
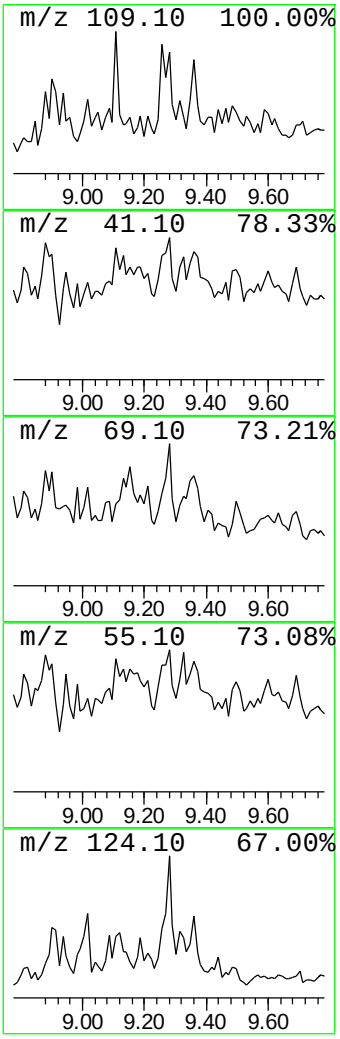
Peak Number 12 unknown9.28 Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.28	12.09 ng	1274440	Acenaphthene-d10	9.59

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, 1,1'-propylidenebis-	208	C15H28	054934-91-7	38
2	Cyclohexane, 1,1,2,3-tetramethyl-	140	C10H20	006783-92-2	30
3	2,4-Heptadiene, 2,6-dimethyl-	124	C9H16	004634-87-1	27
4	1R,2c,3t,4t-Tetramethyl-cyclohexane	140	C10H20	1000144-07-3	22
5	2-Amino-4-methylpyrimidine	109	C5H7N3	000108-52-1	22





Library Search Compound Report

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Data File : BF087295.D
Acq On : 22 May 2016 17:17
Operator : UM/SJ
Sample : H3172-12
Misc :
ALS Vial : 63 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : MW-02

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF051716.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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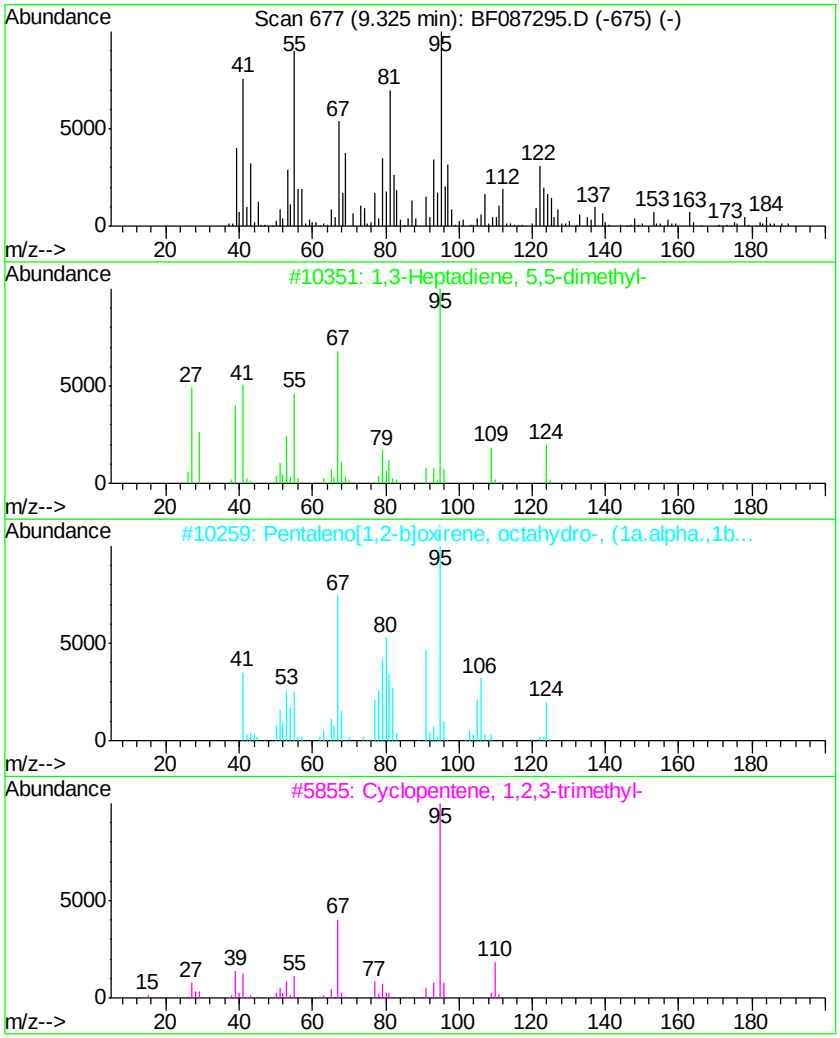
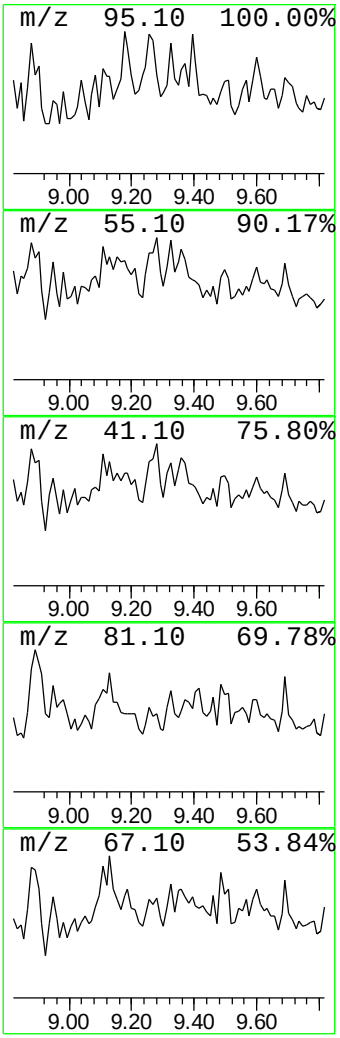
Peak Number 13 unknown9.32 Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.32	6.72 ng	708108	Acenaphthene-d10	9.59

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,3-Heptadiene, 5,5-dimethyl-	124	C9H16	024618-86-8	46
2	Pentaleno[1,2-b]oxirene, octahyd...	124	C8H12O	055449-70-2	46
3	Cyclopentene, 1,2,3-trimethyl-	110	C8H14	000473-91-6	43
4	6-Methyl-2-heptyne	110	C8H14	051065-64-6	38
5	Sorbic acid vinyl ester	138	C8H10O2	042739-26-4	38





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Acq On : 22 May 2016 17:17
Operator : UM/SJ
Sample : H3172-12
Misc :
ALS Vial : 63 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : MW-02

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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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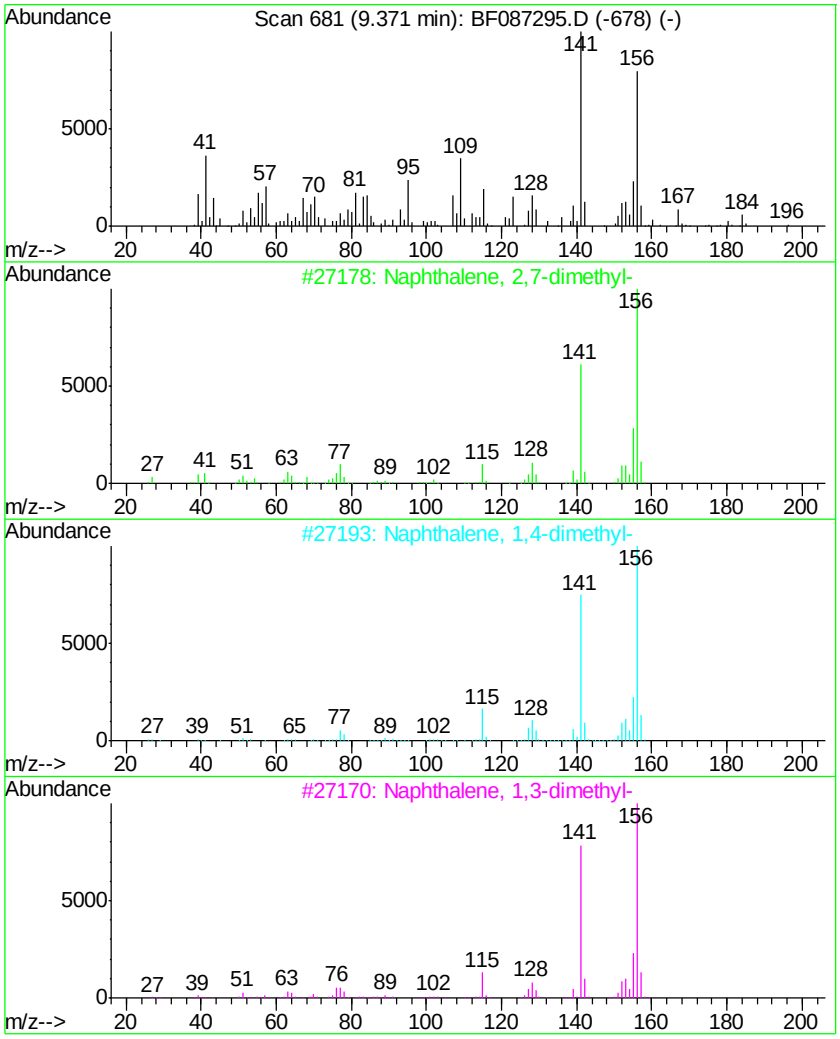
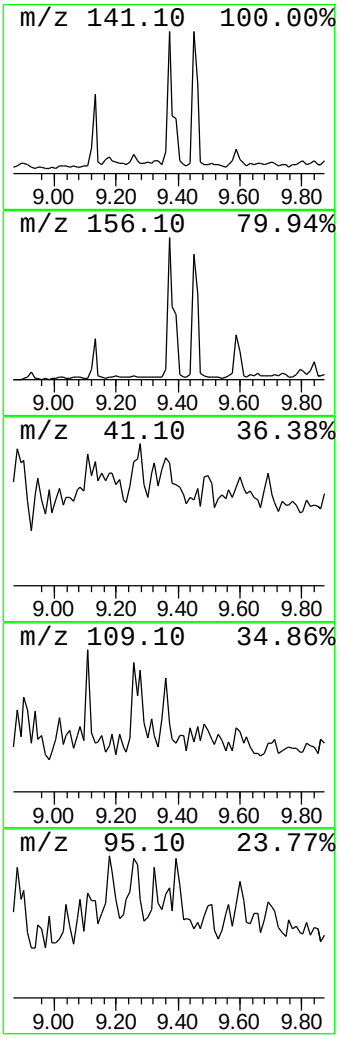
Peak Number 14 Naphthalene, 2,7-dimethyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.37	12.08 ng	1273710	Acenaphthene-d10	9.59

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2,7-dimethyl-	156	C12H12	000582-16-1	96
2	Naphthalene, 1,4-dimethyl-	156	C12H12	000571-58-4	95
3	Naphthalene, 1,3-dimethyl-	156	C12H12	000575-41-7	95
4	Naphthalene, 2,6-dimethyl-	156	C12H12	000581-42-0	95
5	Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	94





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Acq On : 22 May 2016 17:17
Operator : UM/SJ
Sample : H3172-12
Misc :
ALS Vial : 63 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : MW-02

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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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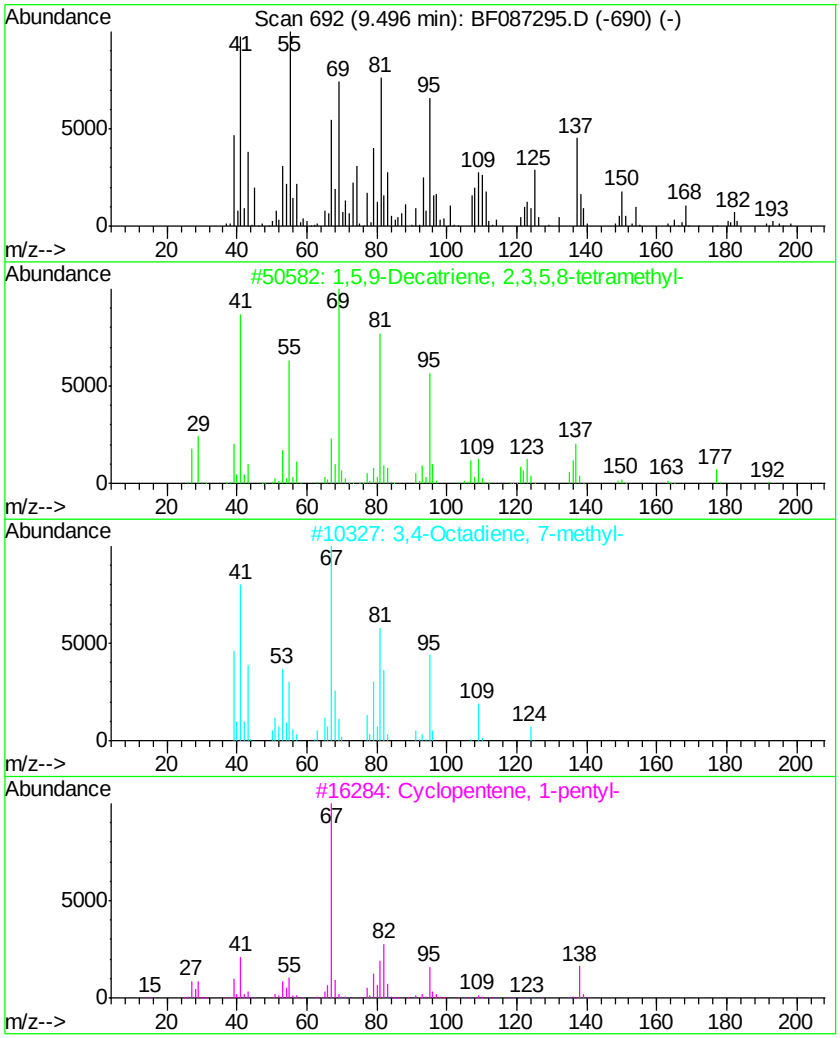
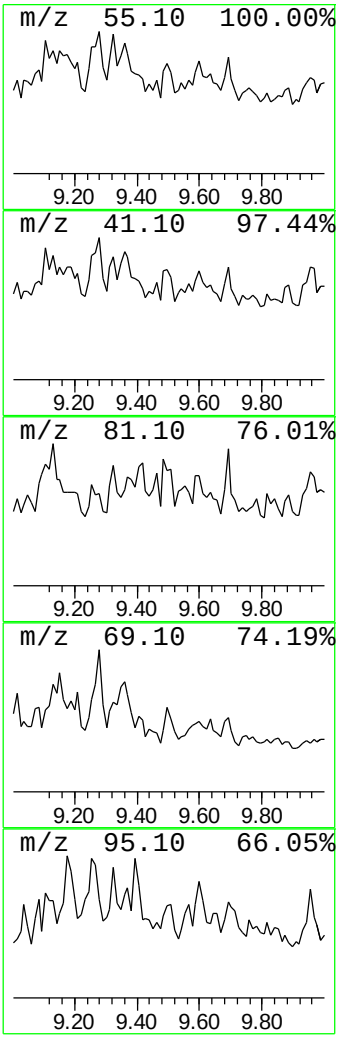
Peak Number 15 unknown9.50 Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.50	6.37 ng	671973	Acenaphthene-d10	9.59

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,5,9-Decatriene, 2,3,5,8-tetram...	192	C14H24	230646-72-7	49
2	3,4-Octadiene, 7-methyl-	124	C9H16	037050-05-8	43
3	Cyclopentene, 1-pentyl-	138	C10H18	004291-98-9	30
4	3-Menthene	138	C10H18	1000118-83-1	30
5	2-Cyclopentene-1-acetaldehyde, 2...	166	C10H14O2	075332-42-2	27





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Operator : UM/SJ
Sample : H3172-12
Misc :
ALS Vial : 63 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : MW-02

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF051716.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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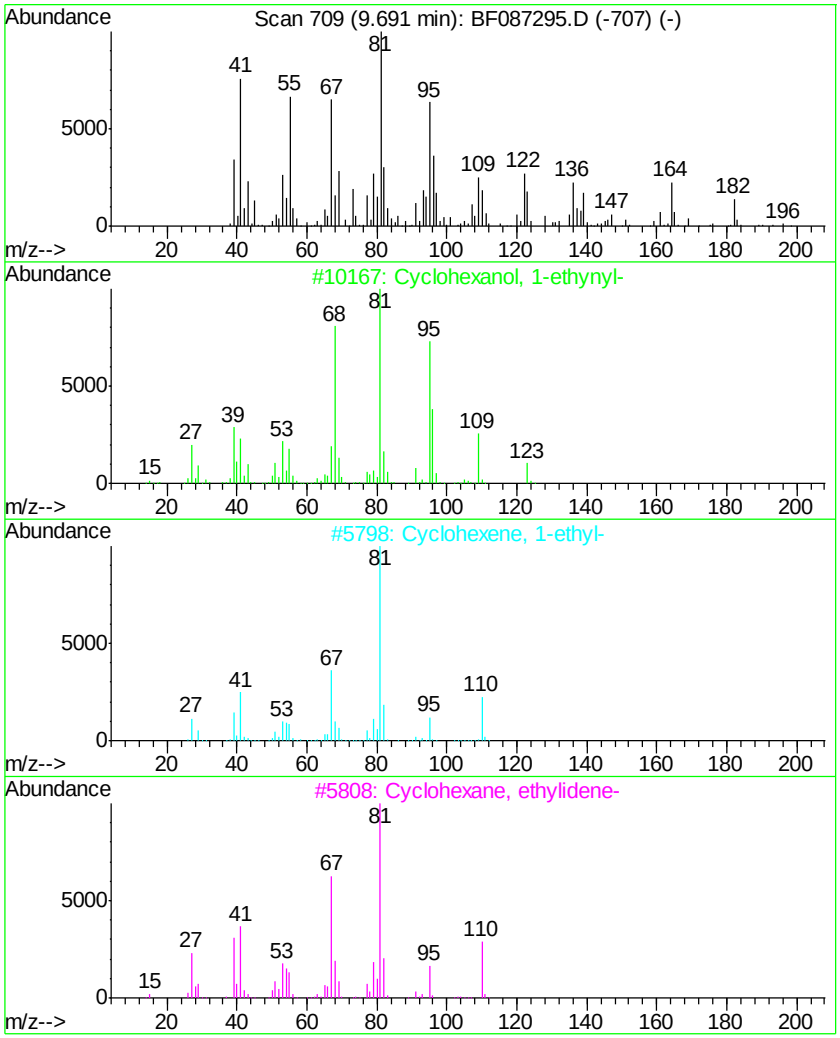
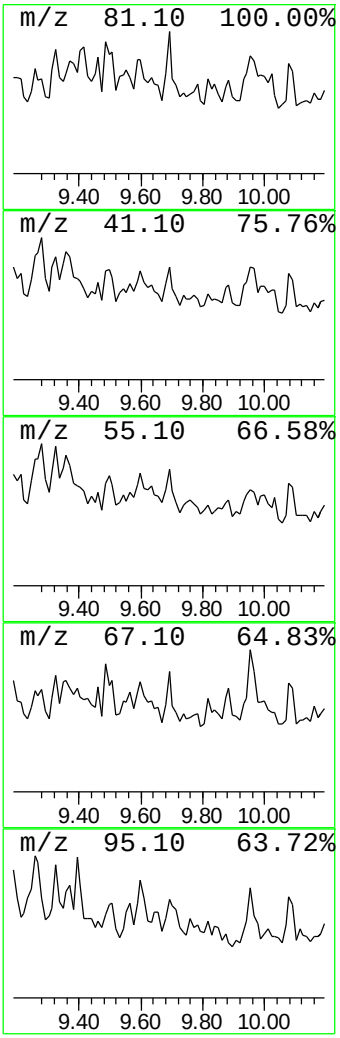
Peak Number 16 unknown9.69 Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.69	5.56 ng	585842	Acenaphthene-d10	9.59

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexanol, 1-ethynyl-	124	C8H12O	000078-27-3	46
2	Cyclohexene, 1-ethyl-	110	C8H14	001453-24-3	38
3	Cyclohexane, ethylidene-	110	C8H14	001003-64-1	38
4	1,3-Hexadiene, 2,5-dimethyl-	110	C8H14	029253-64-3	35
5	Cyclohexene,1-(2-propenyl)-	122	C9H14	013511-13-2	30





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Sample : H3172-12
Misc :
ALS Vial : 63 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : MW-02

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF051716.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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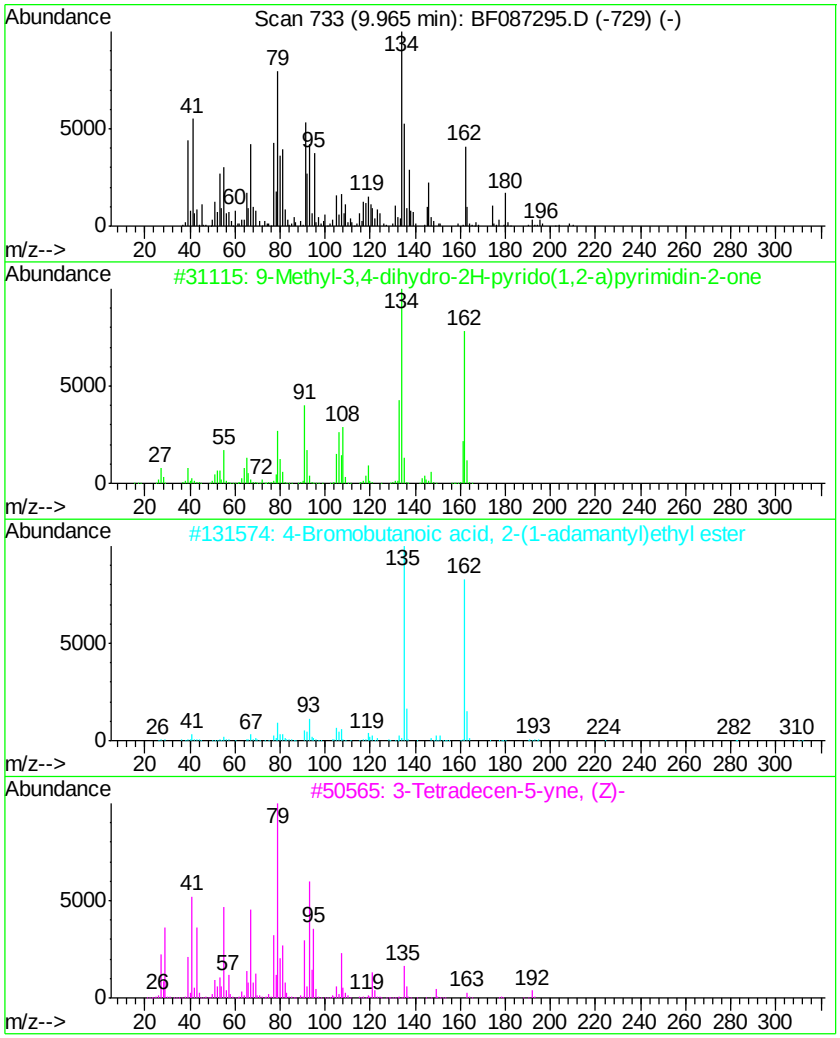
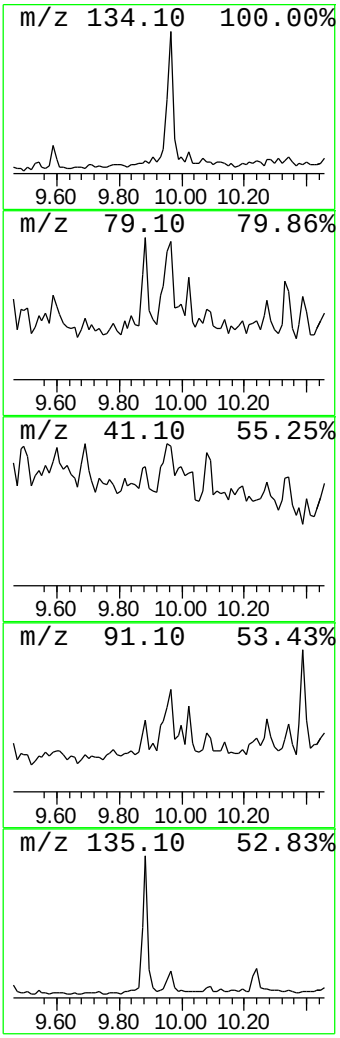
Peak Number 17 unknown9.96 Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.96	11.52 ng	1214500	Acenaphthene-d10	9.59

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9-Methyl-3,4-dihydro-2H-pyrido(1...	162	C9H10N2O	061751-44-8	43
2	4-Bromobutanoic acid, 2-(1-adama...	328	C16H25BrO2	1000282-75-4	43
3	3-Tetradecen-5-yne, (Z)-	192	C14H24	074663-68-6	42
4	3-Tetradecen-5-yne, (E)-	192	C14H24	074744-44-8	38
5	Pentafluoropropionic acid, 2-(1-...	326	C15H19F5O2	1000283-03-9	38





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Sample : H3172-12
Misc :
ALS Vial : 63 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : MW-02

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF051716.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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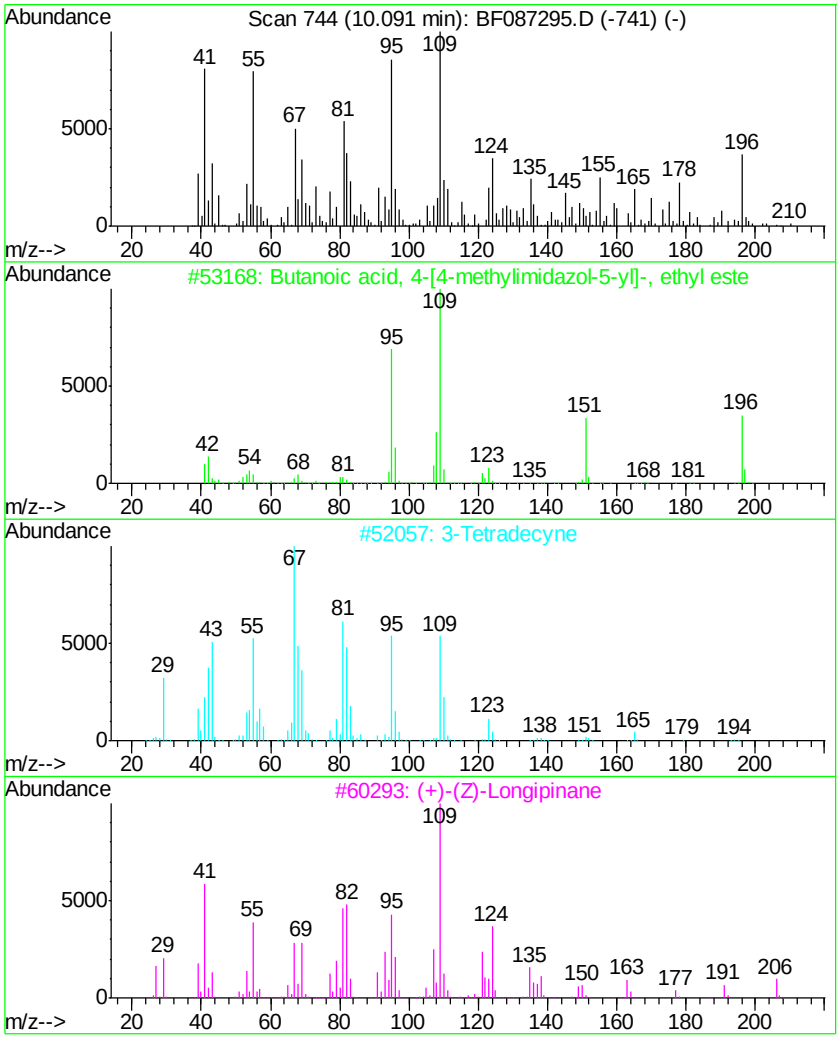
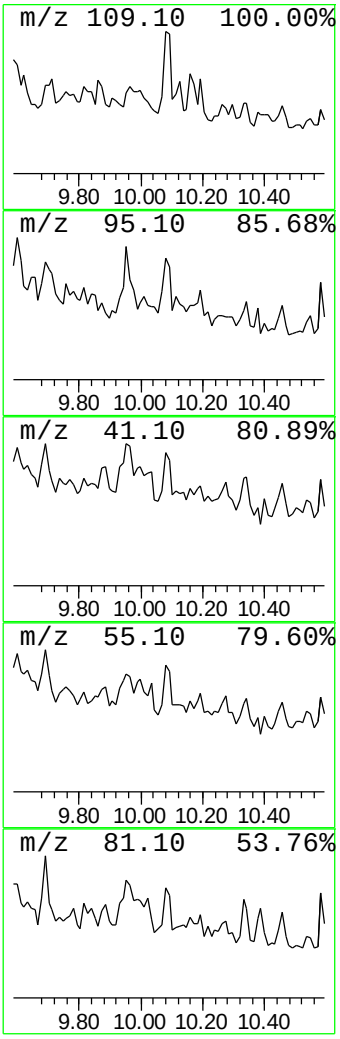
Peak Number 18 Butanoic acid, 4-[4-methyli... Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.09	7.43 ng	782976	Acenaphthene-d10	9.59

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Butanoic acid, 4-[4-methylimidaz...	196	C10H16N2O2	1000116-74-5	53
2	3-Tetradecyne	194	C14H26	060212-32-0	46
3	(+)-(Z)-Longipinane	206	C15H26	1000156-12-3	41
4	Bicyclo[2.2.2]octane, 2-methyl-	124	C9H16	000766-53-0	38
5	1,3-Hexadiene, 3-ethyl-2-methyl-...	124	C9H16	074752-97-9	30





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ALS Vial : 63 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : MW-02

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF051716.M
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TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

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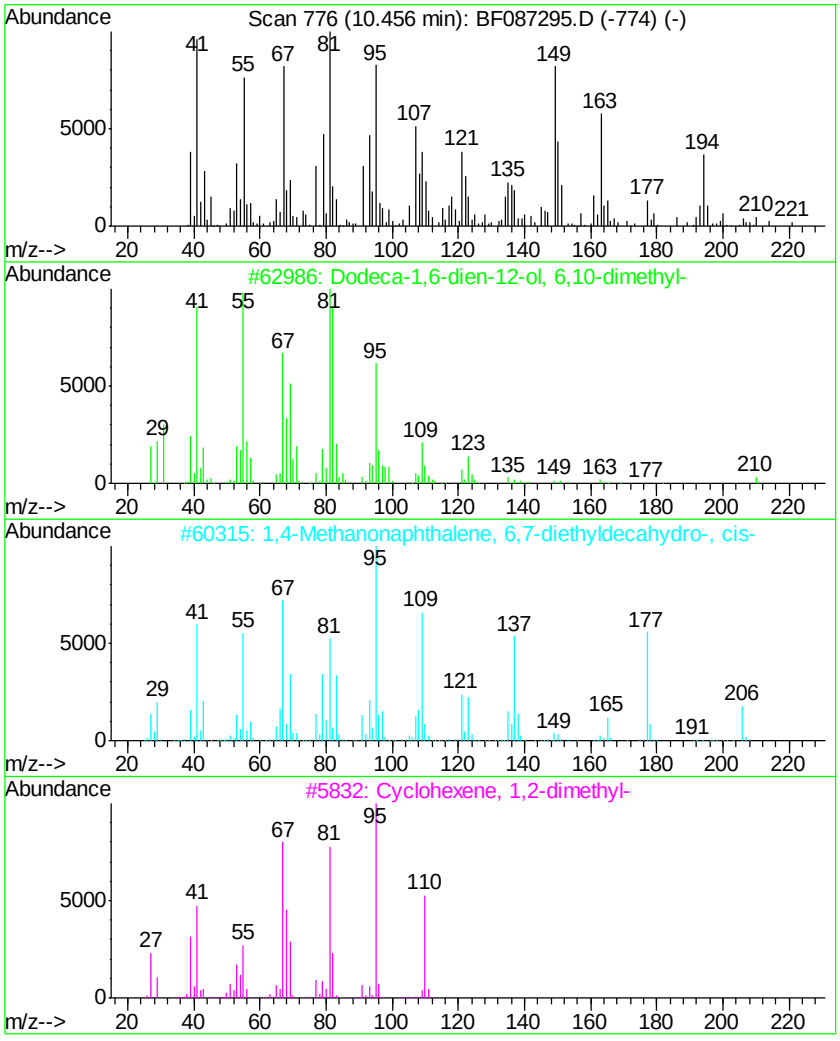
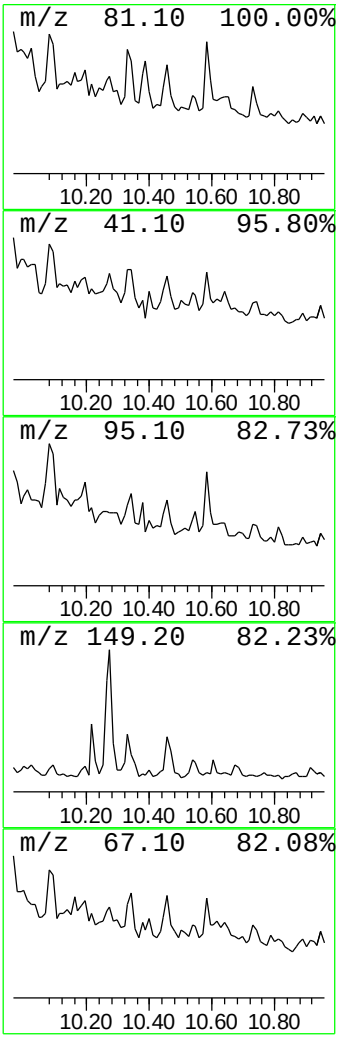
Peak Number 19 unknown10.46 Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.46	10.54 ng	504628	Phenanthrene-d10	11.07

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dodeca-1,6-dien-12-ol, 6,10-dime...	210	C14H26O	1000156-13-8	43
2	1,4-Methanonaphthalene, 6,7-diet...	206	C15H26	016539-02-9	42
3	Cyclohexene, 1,2-dimethyl-	110	C8H14	001674-10-8	41
4	1-Methyl-2-methylenecyclohexane	110	C8H14	002808-75-5	41
5	1,2-Di-but-2-enyl-cyclohexane	192	C14H24	1000188-05-3	38





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Operator : UM/SJ
Sample : H3172-12
Misc :
ALS Vial : 63 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : MW-02

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF051716.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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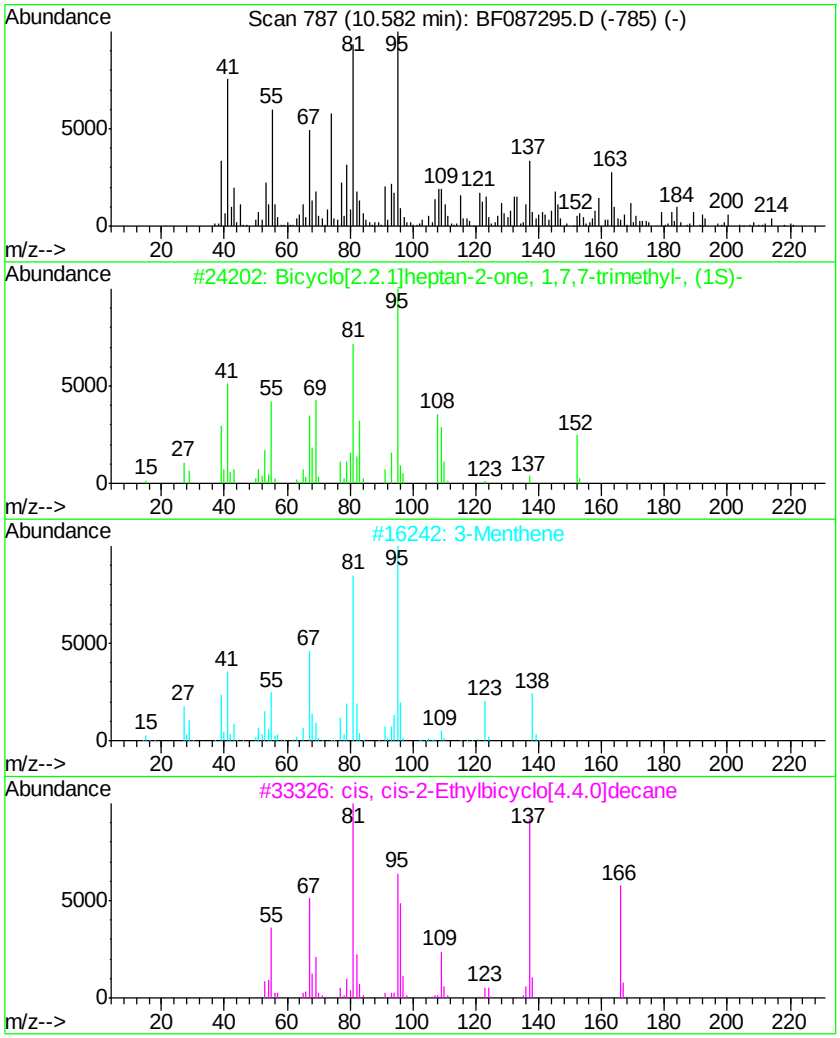
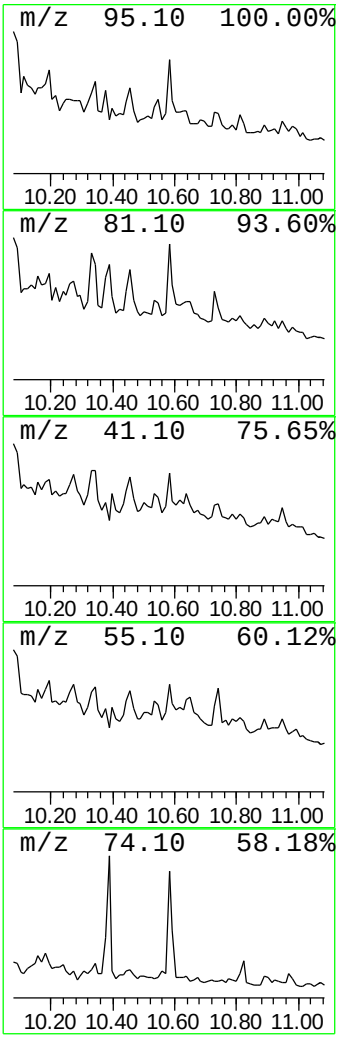
Peak Number 20 Bicyclo[2.2.1]heptan-2-one,... Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.58	11.36 ng	544041	Phenanthrene-d10	11.07

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Bicyclo[2.2.1]heptan-2-one, 1,7,...	152	C10H16O	000464-48-2	58
2	3-Menthene	138	C10H18	1000118-83-1	53
3	cis, cis-2-Ethylbicyclo[4.4.0]de...	166	C12H22	066660-40-0	49
4	5-Octen-2-yn-4-ol	124	C8H12O	1000196-87-1	42
5	Bicyclo[3.1.0]hexan-3-one, 4-met...	152	C10H16O	000471-15-8	41





Tentatively Identified Compound (LSC) summary

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF052216\
Data File : BF087295.D
Acq On : 22 May 2016 17:17
Operator : UM/SJ
Sample : H3172-12
Misc :
ALS Vial : 63 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : MW-02

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF051716.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
unknown6.33	6.33	62.1	ng	3715800	1	6.56	1196660	20.0
unknown8.03	8.03	11.9	ng	932227	2	7.85	1568350	20.0
Bicyclo[3.1.1]hep...	8.32	29.2	ng	2292130	2	7.85	1568350	20.0
unknown8.51	8.51	5.8	ng	452415	2	7.85	1568350	20.0
Cyclohexane, 1,1,...	8.57	7.2	ng	566698	2	7.85	1568350	20.0
1-Decalone (cis-t...	8.63	8.7	ng	679477	2	7.85	1568350	20.0
unknown8.68	8.68	13.0	ng	1017070	2	7.85	1568350	20.0
unknown8.81	8.81	6.3	ng	660935	3	9.59	2108420	20.0
3,5-Dimethyl-1-ad...	9.11	7.3	ng	765259	3	9.59	2108420	20.0
unknown9.28	9.28	12.1	ng	1274440	3	9.59	2108420	20.0
unknown9.32	9.32	6.7	ng	708108	3	9.59	2108420	20.0
Naphthalene, 2,7-...	9.37	12.1	ng	1273710	3	9.59	2108420	20.0
unknown9.50	9.50	6.4	ng	671973	3	9.59	2108420	20.0
unknown9.69	9.69	5.6	ng	585842	3	9.59	2108420	20.0
unknown9.96	9.96	11.5	ng	1214500	3	9.59	2108420	20.0
Butanoic acid, 4-...	10.09	7.4	ng	782976	3	9.59	2108420	20.0
unknown10.46	10.46	10.5	ng	504628	4	11.07	957419	20.0
Bicyclo[2.2.1]hep...	10.58	11.4	ng	544041	4	11.07	957419	20.0