LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA F\DATA\BF122216\
Data File : BF091886.D
Acq On : 22 Dec 2016 15:21
Operator : UM/SJ
Sample : H6182-04
Misc :
ALS Vial : 53 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-51(6-8)-121916

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-BF122116.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	4.304	190	194	199	rVB2	101695	188624	2.19%	0.125%
2	4.739	230	232	235	rVB	242302	342964	3.98%	0.227%
3	4.830	235	240	243	rBV3	193525	468925	5.45%	0.310%
4	4.922	244	248	254	rBV	1516659	3272490	38.02%	2.161%
5	5.253	273	277	279	rBV	73267	163307	1.90%	0.108%
6	5.299	279	281	282	rBV2	176732	217655	2.53%	0.144%
7	5.322	282	283	285	rVB2	135469	166933	1.94%	0.110%
8	5.402	288	290	293	rBV	5024595	7549107	87.72%	4.986%
9	5.459	293	295	296	rVB	200883	167908	1.95%	0.111%
10	5.493	296	298	301	rBV	741921	976302	11.34%	0.645%
11	5.596	303	307	310	rVB3	824553	1358687	15.79%	0.897%
12	5.653	310	312	314	rBV	620853	636875	7.40%	0.421%
13	5.744	317	320	323	rVB2	2729639	3816149	44.34%	2.520%
14	5.802	323	325	327	rBV	967108	1265947	14.71%	0.836%
15	5.847	327	329	331	rVB	490885	605849	7.04%	0.400%
16	5.893	331	333	335	rVB	2891255	2824975	32.82%	1.866%
17	5.950	335	338	341	rBV3	1478390	4343724	50.47%	2.869%
18	5.996	341	342	345	rVB2	2129692	3564045	41.41%	2.354%
19	6.053	345	347	348	rBV	1961774	2128411	24.73%	1.406%
20	6.087	348	350	353	rVB2	1017292	1906705	22.15%	1.259%
21	6.133	353	354	356	rVB	1364342	1048404	12.18%	0.692%
22	6.179	356	358	360	rBV2	1908886	2679856	31.14%	1.770%
23	6.224	360	362	365	rVB3	1354165	2096190	24.36%	1.384%
24	6.293	365	368	372	rBV2	1875432	5210606	60.54%	3.441%
25	6.373	372	375	376	rBV2	1463994	3207925	37.27%	2.119%
26	6.419	376	379	380	rBV2	2482253	3566035	41.43%	2.355%
27	6.465	380	383	385	rVB	6354631	8606395	100.00%	5.684%
28	6.545	388	390	392	rVB	5010297	7610952	88.43%	5.027%
29	6.613	392	396	397	rVB2	1493168	2090805	24.29%	1.381%
30	6.727	397	406	407	rBV5	2491017	8408167	97.70%	5.553%
31	6.762	407	409	412	rVB3	2641928	4830850	56.13%	3.191%
32	6.819	412	414	416	rBV2	2394795	4375580	50.84%	2.890%
33	6.853	416	417	418	rVV	994978	785948	9.13%	0.519%
34	6.887	418	420	421	rVV2	1657718	2421515	28.14%	1.599%

LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA F\DATA\BF122216\
Data File : BF091886.D
Acq On : 22 Dec 2016 15:21
Operator : UM/SJ
Sample : H6182-04
Misc :
ALS Vial : 53 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-51(6-8)-121916

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-BF122116.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

35	6.922	421	423	426	rVB2	4905146	8417824	97.81%	5.560%
36	6.990	426	429	430	rBV3	1265071	1876292	21.80%	1.239%
37	7.036	430	433	435	rVB2	1848817	3668531	42.63%	2.423%
38	7.082	435	437	438	rBV2	621362	886217	10.30%	0.585%
39	7.116	438	440	441	rBV2	1168588	1669115	19.39%	1.102%
40	7.150	441	443	444	rBV2	1963285	2395941	27.84%	1.582%
41	7.185	444	446	450	rVB4	1755953	3139520	36.48%	2.074%
42	7.367	460	462	463	rVB	865187	1003107	11.66%	0.663%
43	7.402	463	465	468	rVB3	3820134	6040585	70.19%	3.990%
44	7.459	468	470	471	rBV	1252592	1735057	20.16%	1.146%
45	7.539	474	477	479	rVV	3932227	7164037	83.24%	4.732%
46	7.573	479	480	484	rVV3	4204231	5606434	65.14%	3.703%
47	7.642	484	486	488	rVV	2918542	4749390	55.18%	3.137%
48	7.688	488	490	495	rVB4	3854230	7813853	90.79%	5.161%
49	15.323	1156	1158	1166	rVB	966218	2339952	27.19%	1.545%

Sum of corrected areas: 151410665

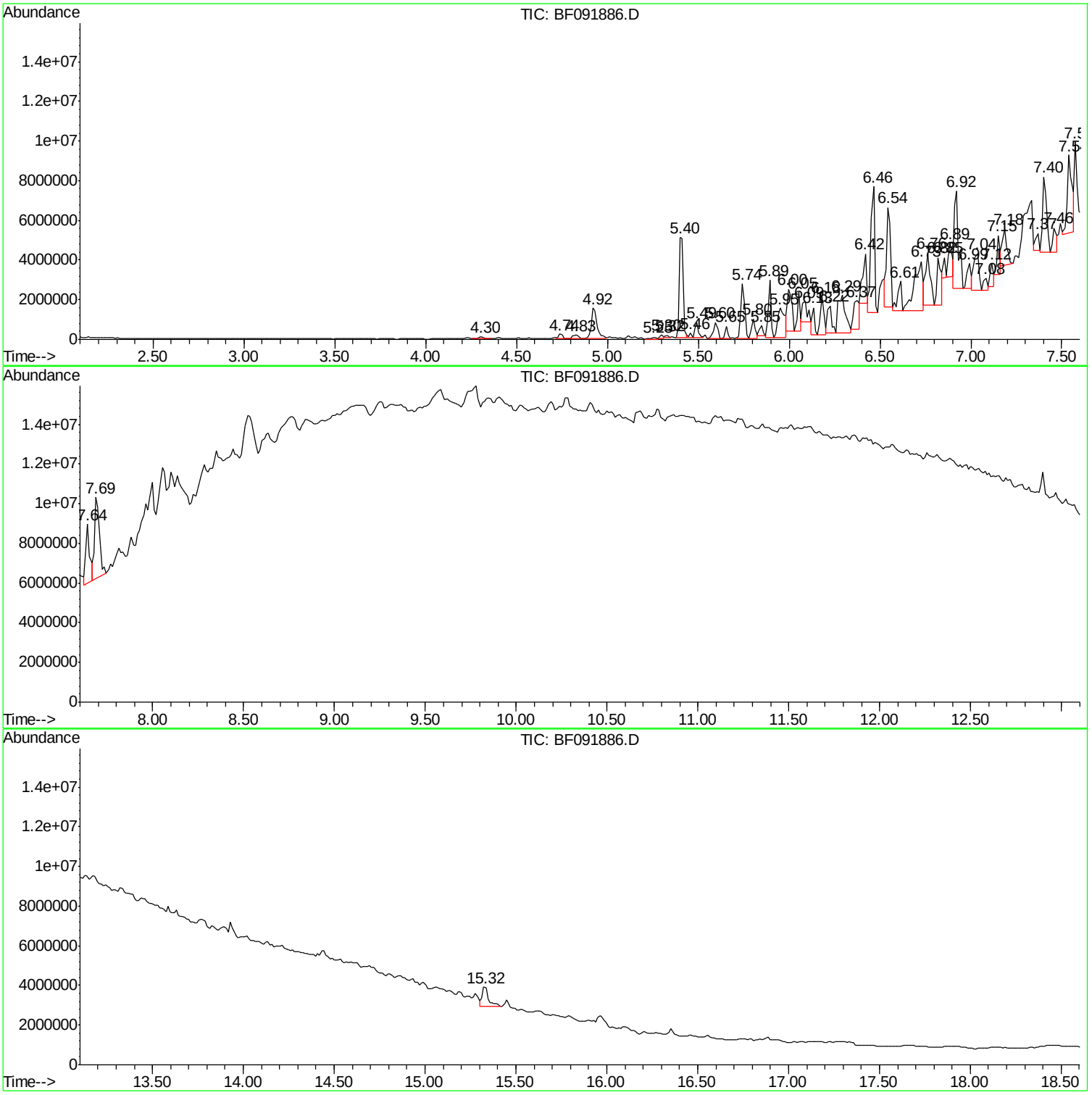
LSC Report - Integrated Chromatogram

Data Path : Z:\HPCHEM1\BNA F\DATA\BF122216\
Data File : BF091886.D
Acq On : 22 Dec 2016 15:21
Operator : UM/SJ
Sample : H6182-04
Misc :
ALS Vial : 53 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SB-51(6-8)-121916

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF122116.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\BF122216\
Data File : BF091886.D
Acq On : 22 Dec 2016 15:21
Operator : UM/SJ
Sample : H6182-04
Misc :
ALS Vial : 53 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-51(6-8)-121916

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF122116.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

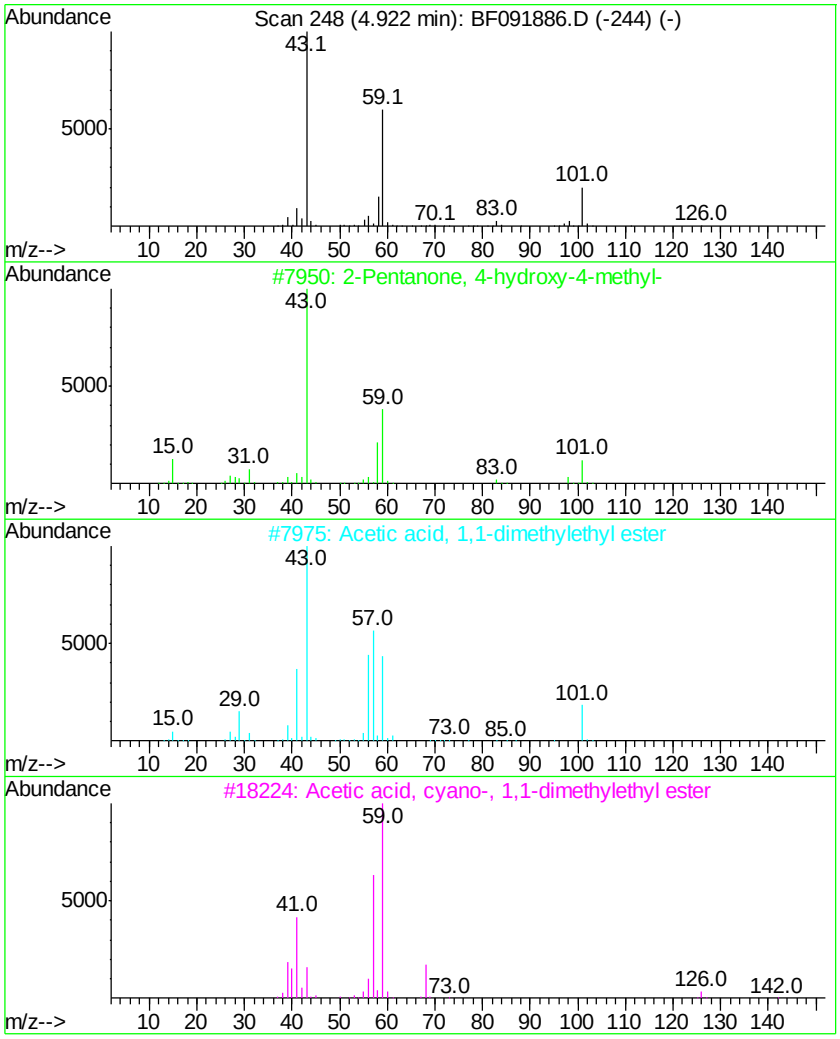
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

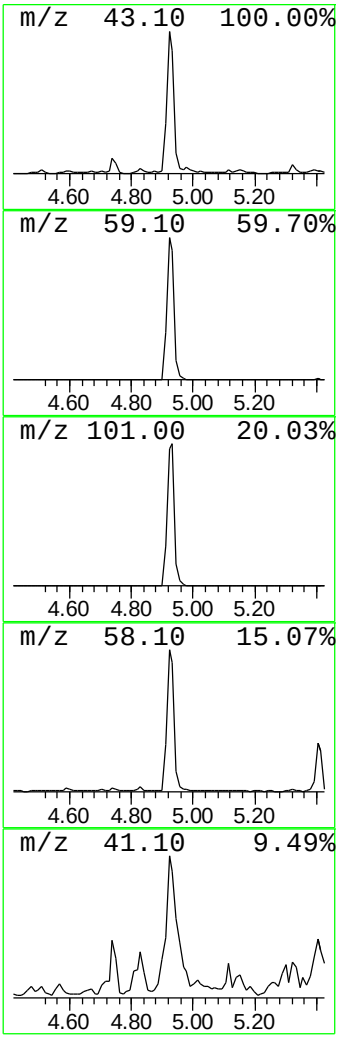
****

Peak Number 1 2-Pentanone, 4-hydroxy-4-me... Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.92	13.55 ng	3272490	1,4-Dichlorobenzene-d4	6.76

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	56
2	Acetic acid, 1,1-dimethylethyl e...	116	C6H12O2	000540-88-5	39
3	Acetic acid, cyano-, 1,1-dimethy...	141	C7H11NO2	001116-98-9	25
4	4-Hydroxy-3-hexanone	116	C6H12O2	004984-85-4	23
5	5-Hexen-2-one	98	C6H10O	000109-49-9	9





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA F\DATA\BF122216\
Data File : BF091886.D
Acq On : 22 Dec 2016 15:21
Operator : UM/SJ
Sample : H6182-04
Misc :
ALS Vial : 53 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-51(6-8)-121916

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF122116.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

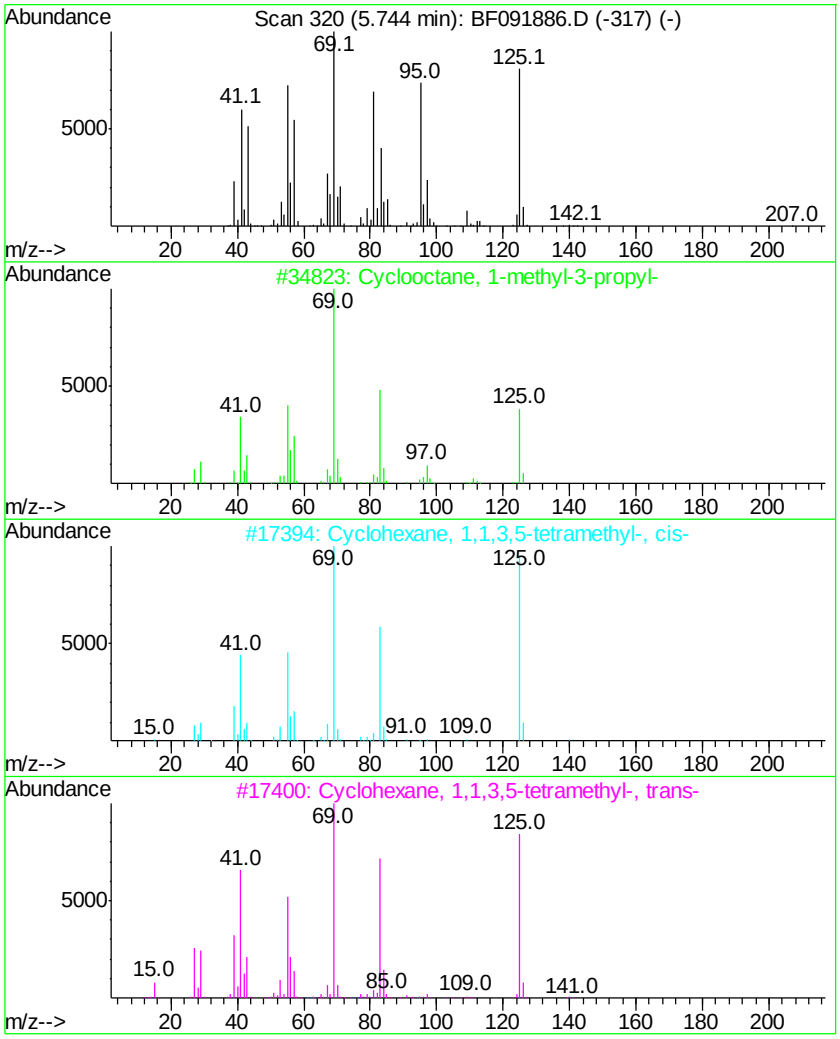
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

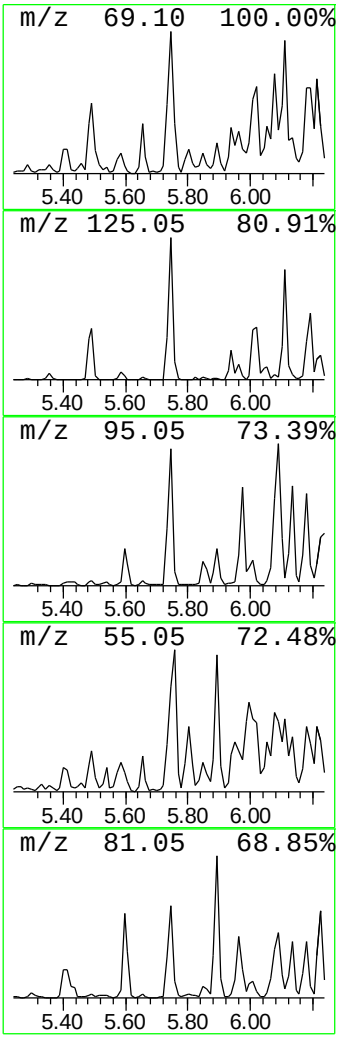
****

Peak Number 2 unknown5.74 Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.74	15.80 ng	3816150	1,4-Dichlorobenzene-d4	6.76

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclooctane, 1-methyl-3-propyl-	168	C12H24	255885-37-1	47
2	Cyclohexane, 1,1,3,5-tetramethyl...	140	C10H20	050876-32-9	47
3	Cyclohexane, 1,1,3,5-tetramethyl...	140	C10H20	050876-31-8	43
4	Pyrimidine, 4-amino-2-methoxy-	125	C5H7N3O	003289-47-2	38
5	2,2-Dimethyl-3-heptene trans	126	C9H18	019550-75-5	30





Data Path : Z:\HPCHEM1\BNA F\DATA\BF122216\
Data File : BF091886.D
Acq On : 22 Dec 2016 15:21
Operator : UM/SJ
Sample : H6182-04
Misc :
ALS Vial : 53 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-51(6-8)-121916

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF122116.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

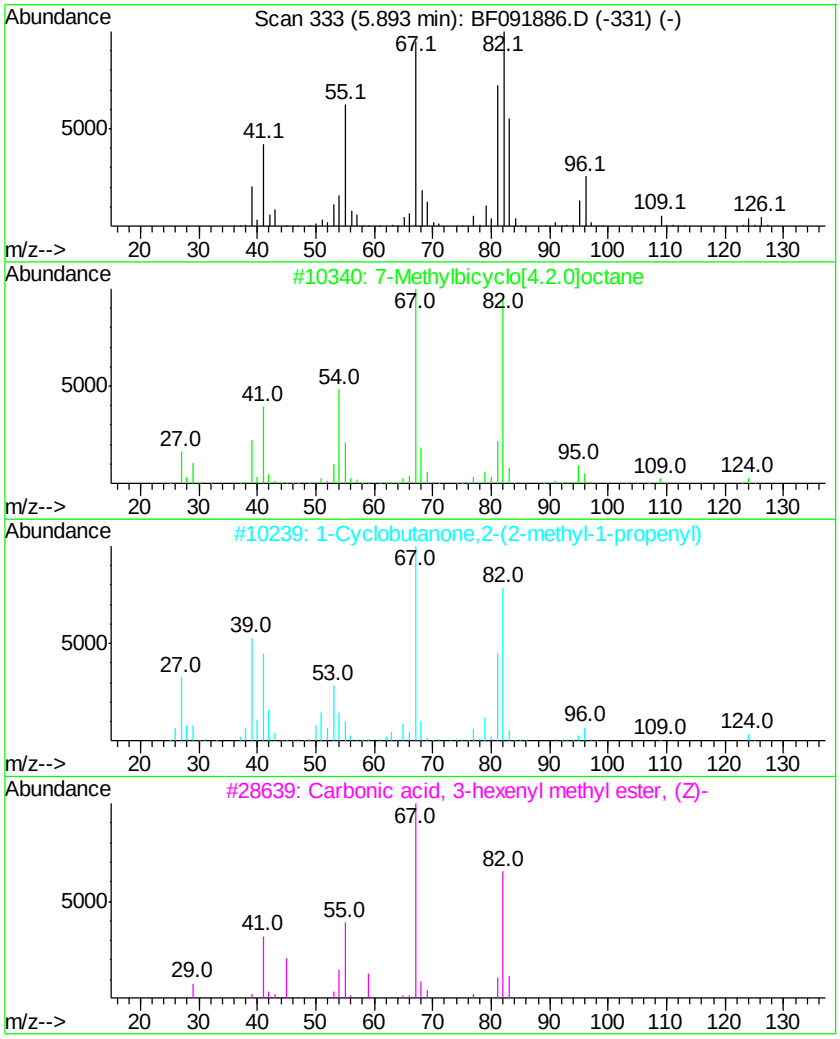
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

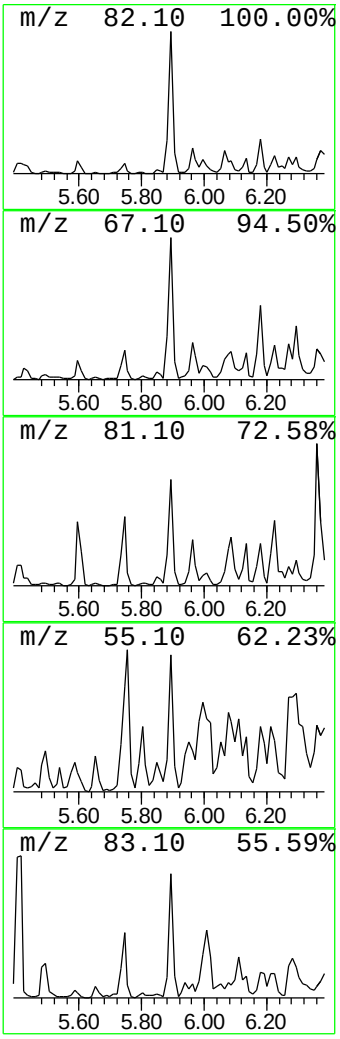
****

Peak Number 3 7-Methylbicyclo[4.2.0]octane Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.89	11.70 ng	2824980	1,4-Dichlorobenzene-d4	6.76

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	7-Methylbicyclo[4.2.0]octane	124	C9H16	1000210-90-2	68
2	1-Cyclobutanone,2-(2-methyl-1-pr...	124	C8H12O	091531-45-2	58
3	Carbonic acid, 3-hexenyl methyl ...	158	C8H14O3	067633-96-9	53
4	4-Methyl-1,3-pentadiene	82	C6H10	000926-56-7	52
5	Cyclohexanepropanol-	142	C9H18O	001124-63-6	50





Data Path : Z:\HPCHEM1\BNA F\DATA\BF122216\
Data File : BF091886.D
Acq On : 22 Dec 2016 15:21
Operator : UM/SJ
Sample : H6182-04
Misc :
ALS Vial : 53 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-51(6-8)-121916

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF122116.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

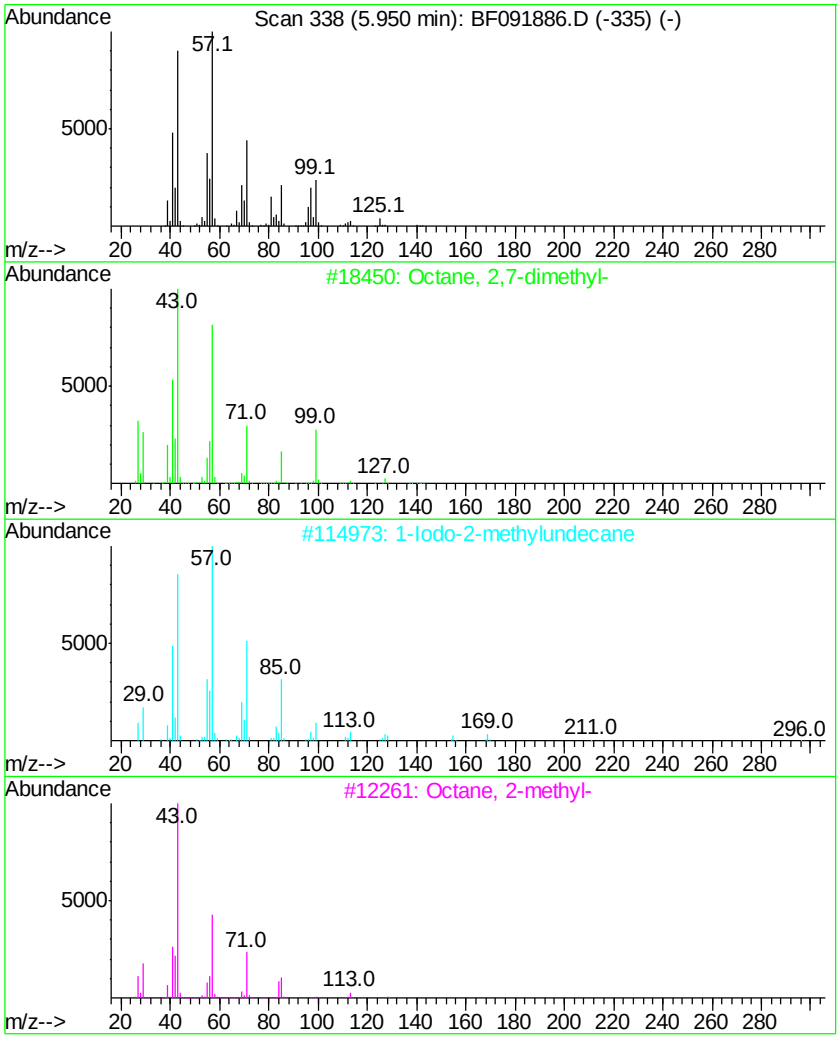
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

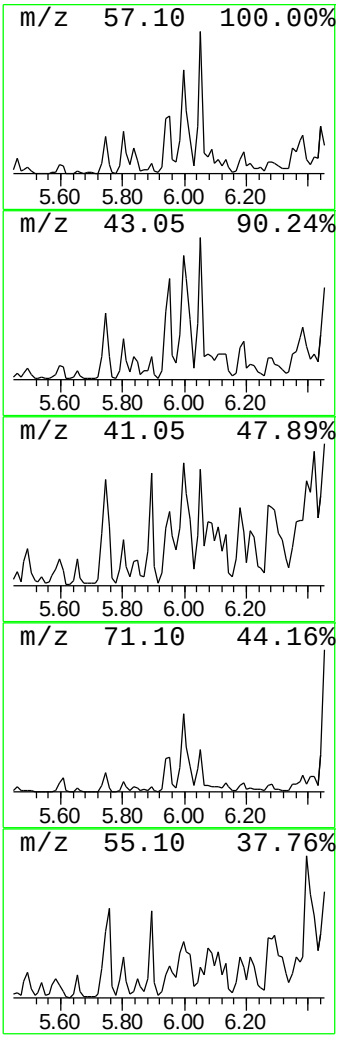
****

Peak Number 4 Octane, 2,7-dimethyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.95	17.98 ng	4343720	1,4-Dichlorobenzene-d4	6.76

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Octane, 2,7-dimethyl-	142	C10H22	001072-16-8	59
2	1-Iodo-2-methylundecane	296	C12H25I	073105-67-6	50
3	Octane, 2-methyl-	128	C9H20	003221-61-2	47
4	Octane, 4-ethyl-	142	C10H22	015869-86-0	47
5	Octane, 4-methyl-	128	C9H20	002216-34-4	43





Data Path : Z:\HPCHEM1\BNA F\DATA\BF122216\
Data File : BF091886.D
Acq On : 22 Dec 2016 15:21
Operator : UM/SJ
Sample : H6182-04
Misc :
ALS Vial : 53 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-51(6-8)-121916

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF122116.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

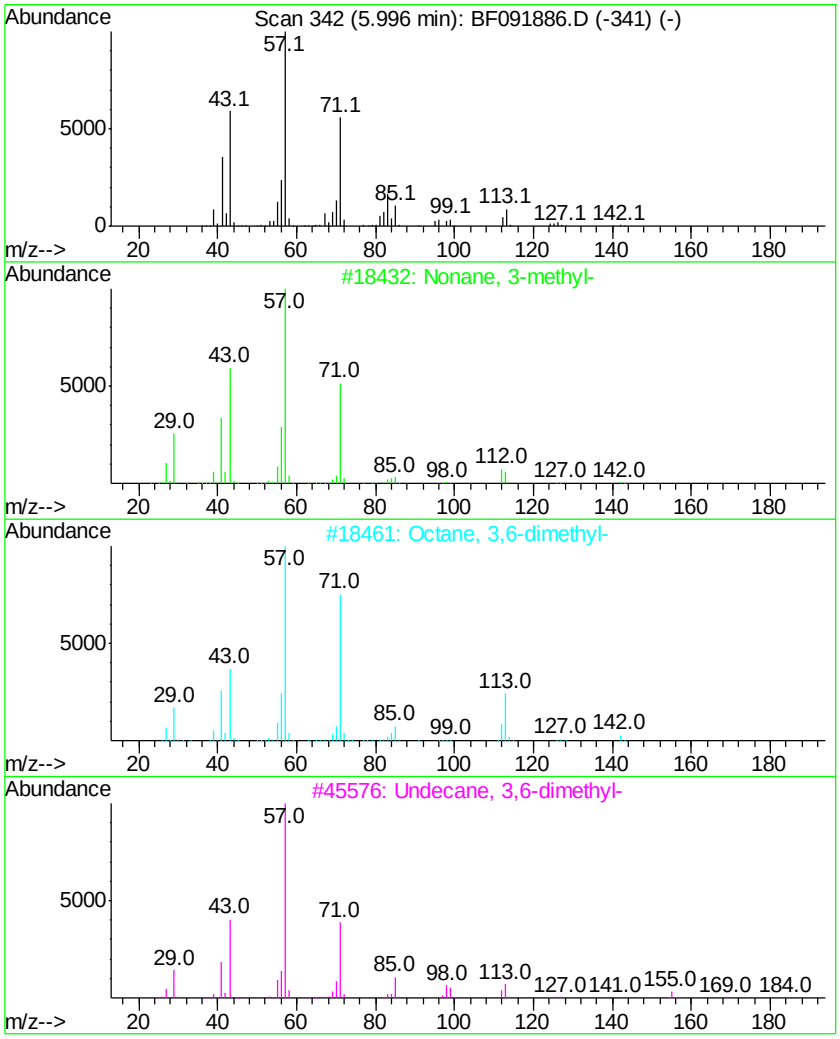
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

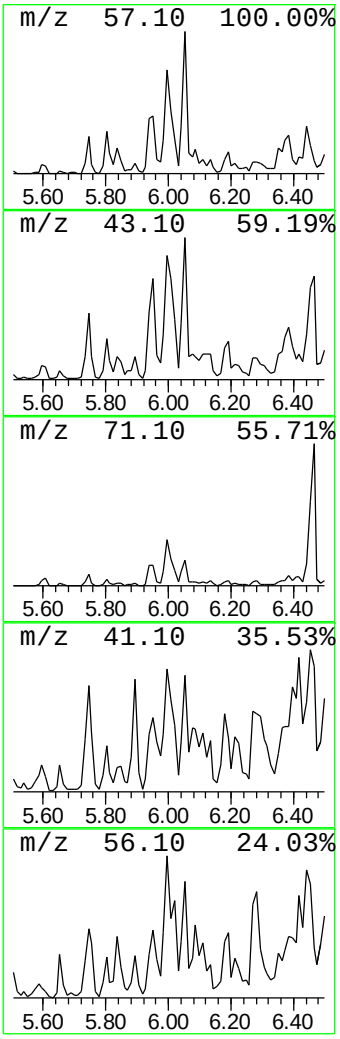
****

Peak Number 5 Nonane, 3-methyl- Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.00	14.76 ng	3564050	1,4-Dichlorobenzene-d4	6.76

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Nonane, 3-methyl-	142	C10H22	005911-04-6	68
2	Octane, 3,6-dimethyl-	142	C10H22	015869-94-0	64
3	Undecane, 3,6-dimethyl-	184	C13H28	017301-28-9	64
4	Dodecane, 2,6,11-trimethyl-	212	C15H32	031295-56-4	59
5	Octane, 1,1'-oxybis-	242	C16H34O	000629-82-3	59





Data Path : Z:\HPCHEM1\BNA F\DATA\BF122216\
Data File : BF091886.D
Acq On : 22 Dec 2016 15:21
Operator : UM/SJ
Sample : H6182-04
Misc :
ALS Vial : 53 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-51(6-8)-121916

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF122116.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

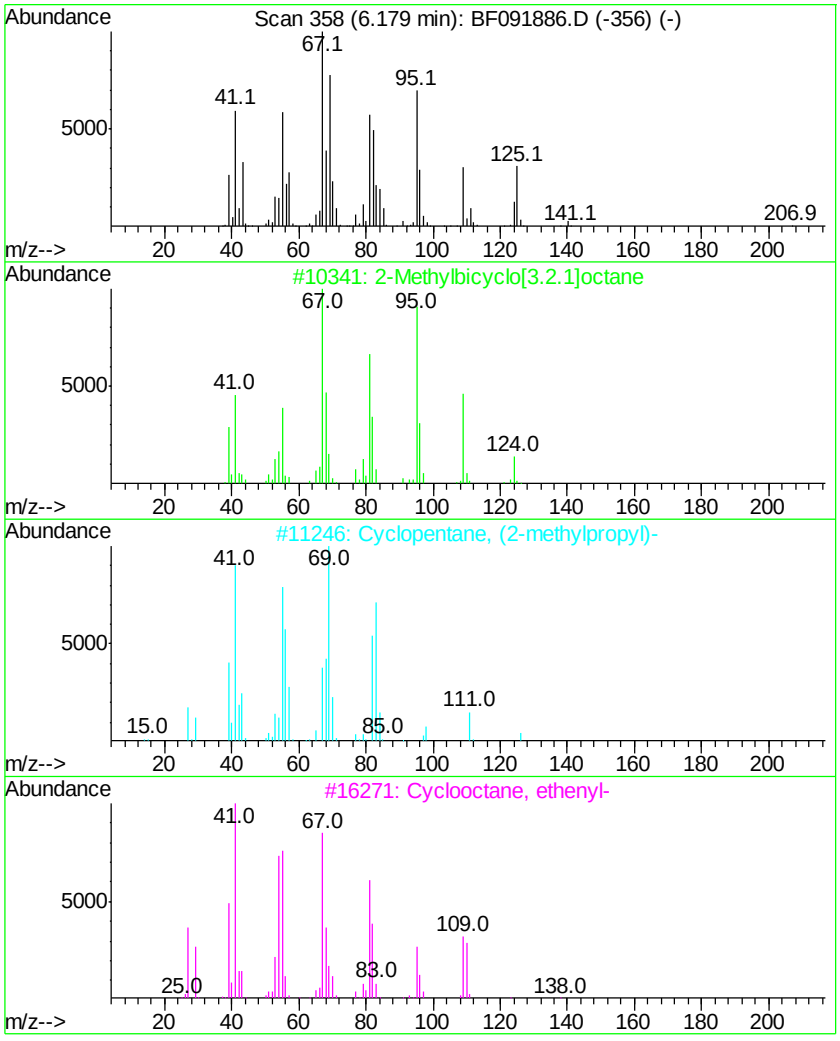
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

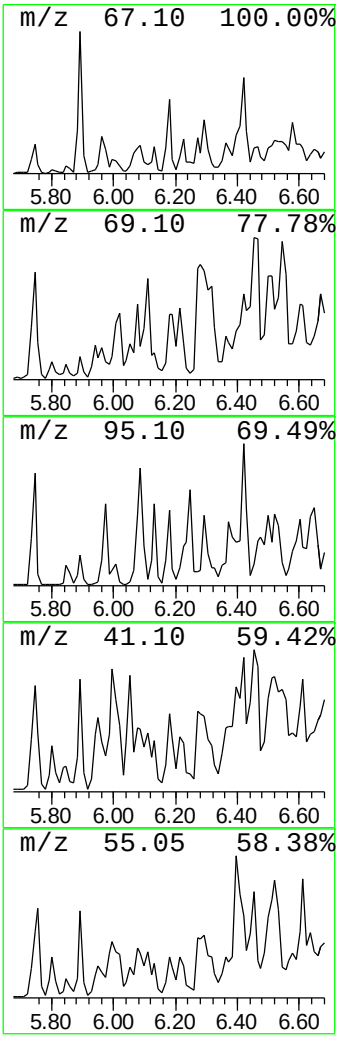
****

Peak Number 6 2-Methylbicyclo[3.2.1]octane Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.18	11.09 ng	2679860	1,4-Dichlorobenzene-d4	6.76

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Methylbicyclo[3.2.1]octane	124	C9H16	1000215-28-0	87
2	Cyclopentane, (2-methylpropyl)-	126	C9H18	003788-32-7	50
3	Cyclooctane, ethenyl-	138	C10H18	061142-41-4	46
4	1,7-Octadiene	110	C8H14	003710-30-3	41
5	Cyclooctene, 3-methyl-	124	C9H16	013152-05-1	41





Data Path : Z:\HPCHEM1\BNA F\DATA\BF122216\
Data File : BF091886.D
Acq On : 22 Dec 2016 15:21
Operator : UM/SJ
Sample : H6182-04
Misc :
ALS Vial : 53 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-51(6-8)-121916

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF122116.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

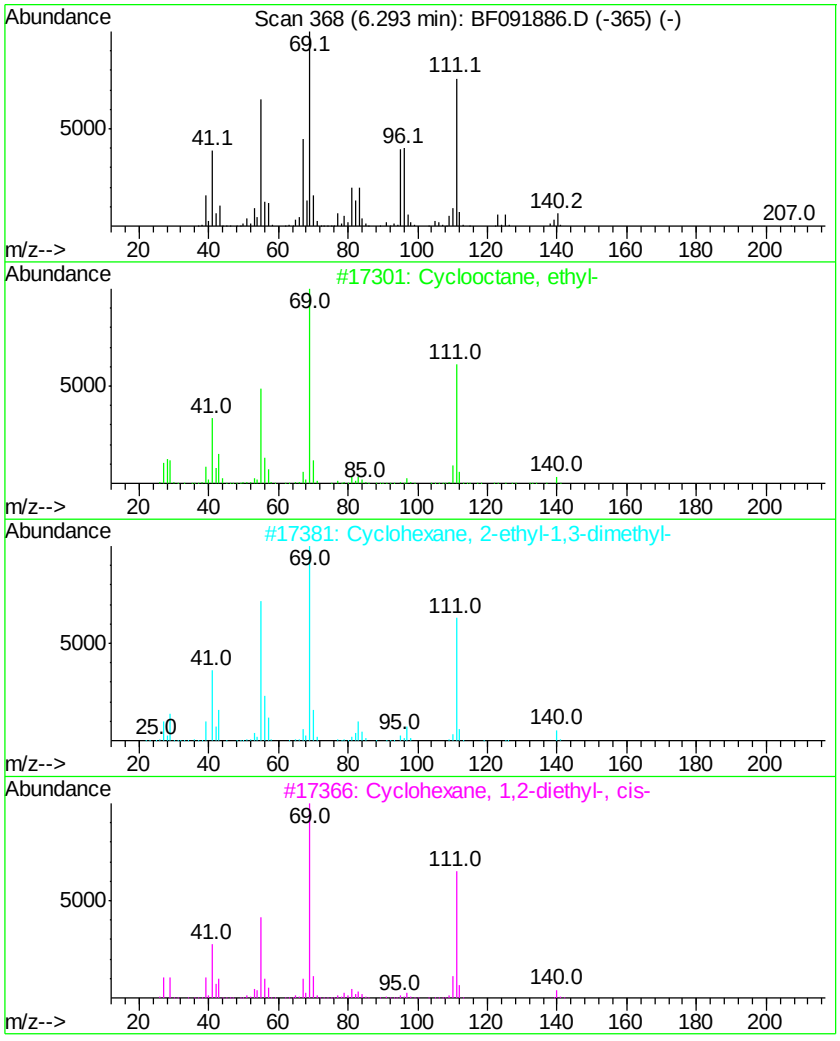
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

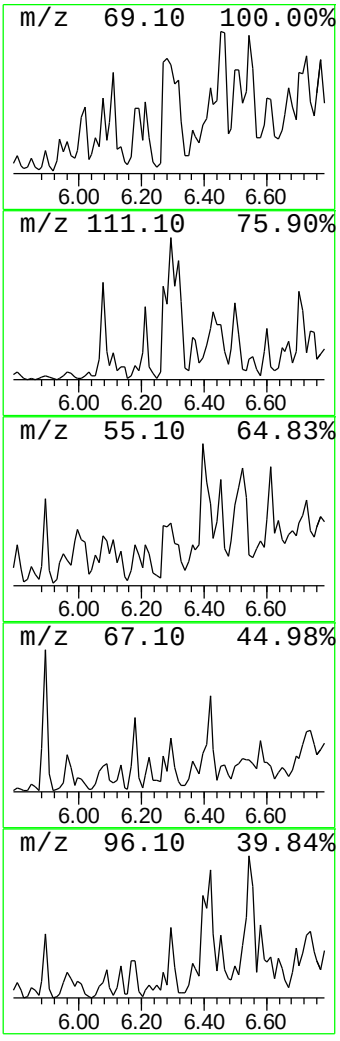
****

Peak Number 7 Cyclooctane, ethyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.29	21.57 ng	5210610	1,4-Dichlorobenzene-d4	6.76

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclooctane, ethyl-	140	C10H20	013152-02-8	55
2	Cyclohexane, 2-ethyl-1,3-dimethyl-	140	C10H20	007045-67-2	49
3	Cyclohexane, 1,2-diethyl-, cis-	140	C10H20	000824-43-1	46
4	Cyclohexane, 1-ethyl-2,4-dimethyl-	140	C10H20	061142-69-6	46
5	Cyclohexane, 1,1,3-trimethyl-	126	C9H18	003073-66-3	45





Data Path : Z:\HPCHEM1\BNA F\DATA\BF122216\
Data File : BF091886.D
Acq On : 22 Dec 2016 15:21
Operator : UM/SJ
Sample : H6182-04
Misc :
ALS Vial : 53 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-51(6-8)-121916

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF122116.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

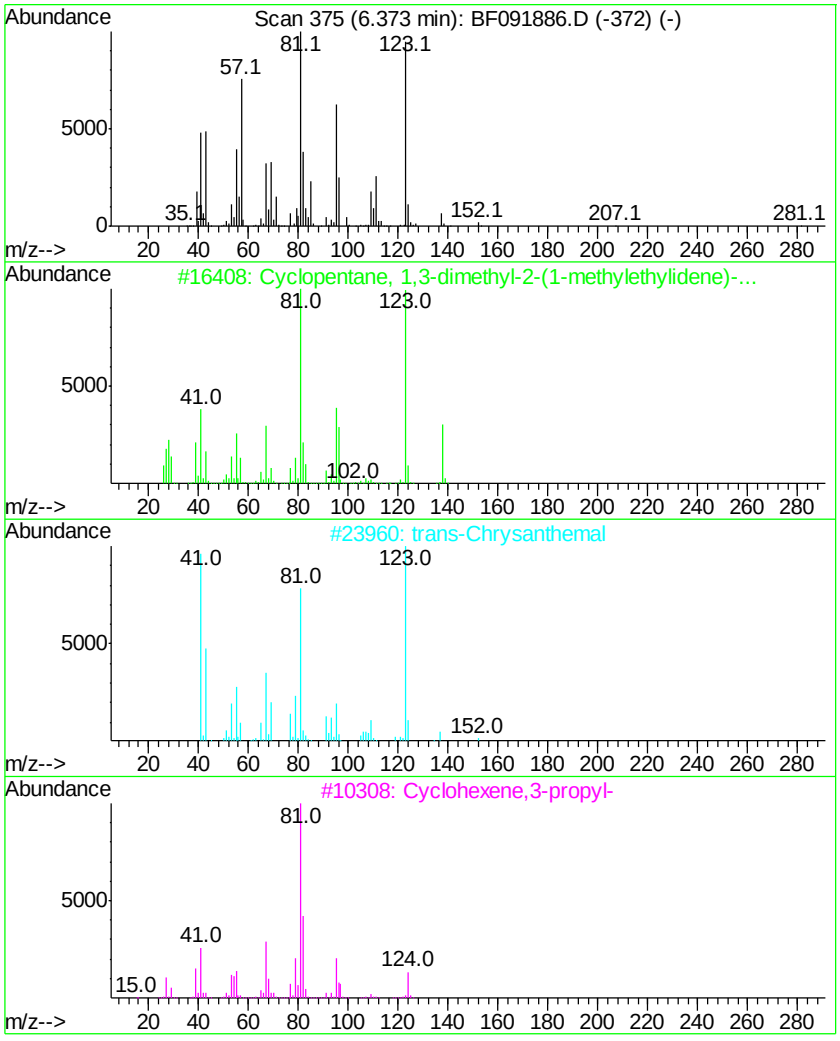
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

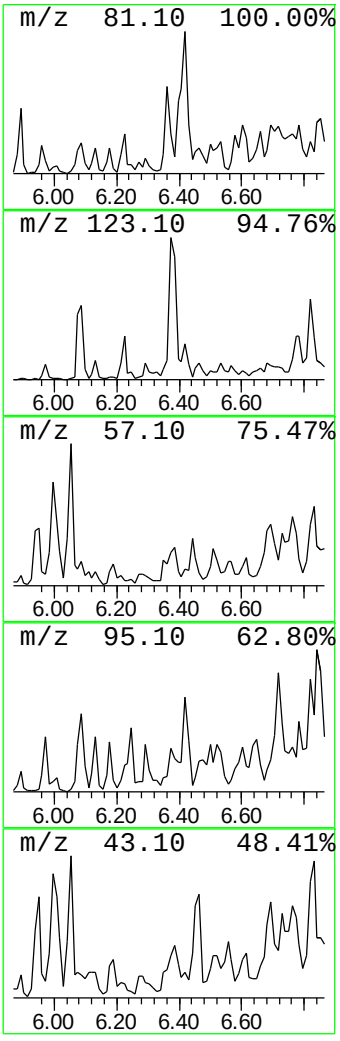
****

Peak Number 8 Cyclopentane, 1,3-dimethyl-... Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.37	13.28 ng	3207930	1,4-Dichlorobenzene-d4	6.76

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopentane, 1,3-dimethyl-2-(1-...	138	C10H18	061142-30-1	53
2	trans-Chrysanthemal	152	C10H16O	020104-05-6	47
3	Cyclohexene,3-propyl-	124	C9H16	003983-06-0	30
4	Photocitral a	152	C10H16O	1000292-85-0	30
5	3,3,5,5-Tetramethylcyclohexyl me...	236	C11H22FO2P	1000298-38-5	27





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Acq On : 22 Dec 2016 15:21
Operator : UM/SJ
Sample : H6182-04
Misc :
ALS Vial : 53 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-51(6-8)-121916

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF122116.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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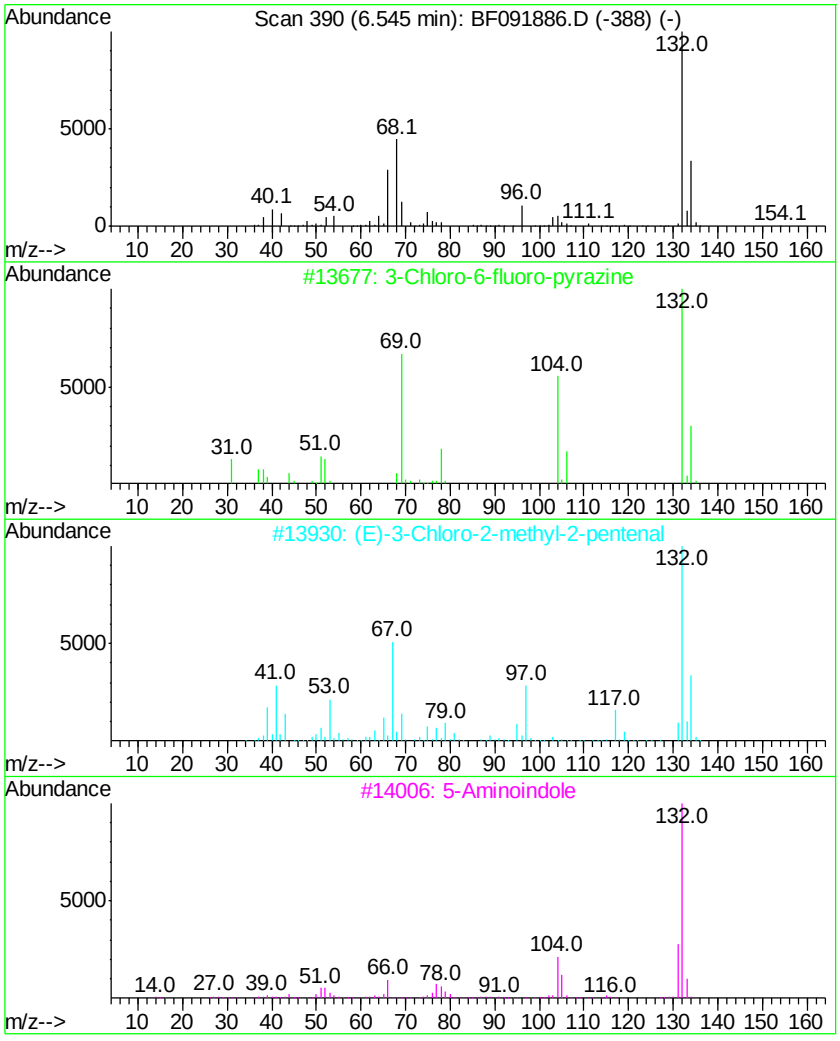
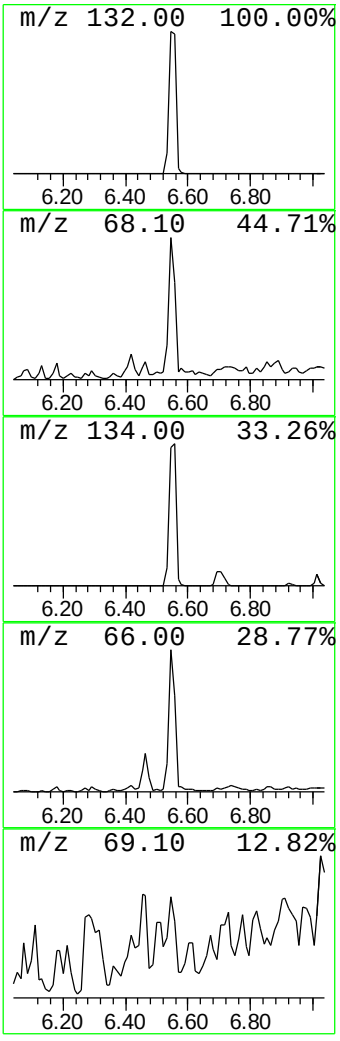
Peak Number 9 unknown6.54 Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.54	31.51 ng	7610950	1,4-Dichlorobenzene-d4	6.76

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-Chloro-6-fluoro-pyrazine	132	C4H2ClFN2	1000146-10-7	30
2	(E)-3-Chloro-2-methyl-2-pentenal	132	C6H9ClO	031357-76-3	17
3	5-Aminoindole	132	C8H8N2	005192-03-0	12
4	Tranylcypromine-propionyl	189	C12H15NO	1000123-86-3	10
5	4-Chloro-2-fluoro-pyrimidine	132	C4H2ClFN2	051422-00-5	9





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Sample : H6182-04
Misc :
ALS Vial : 53 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-51(6-8)-121916

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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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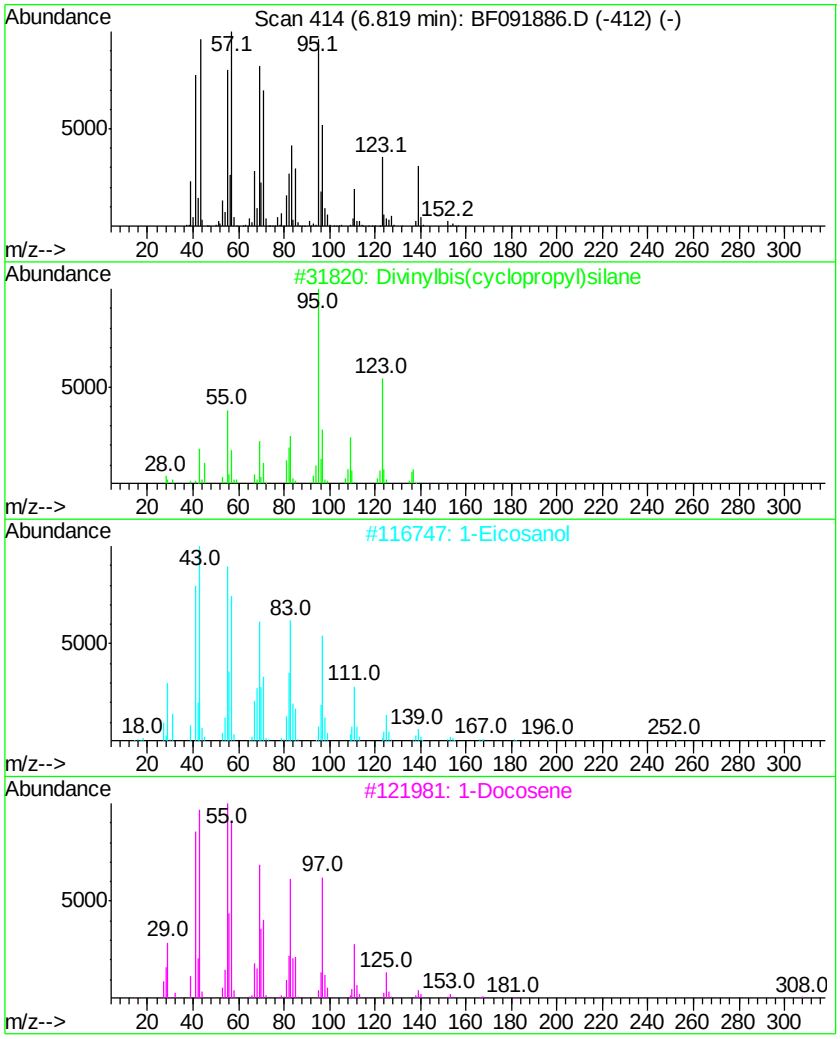
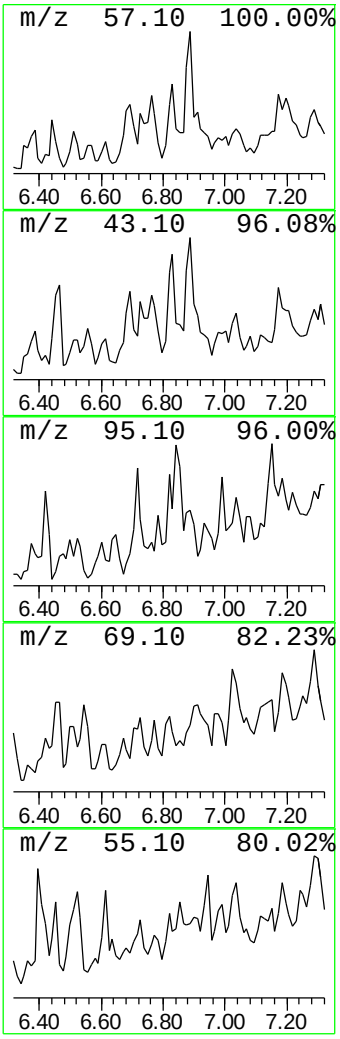
Peak Number 10 unknown6.82 Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.82	18.12 ng	4375580	1,4-Dichlorobenzene-d4	6.76

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Divinylbis(cyclopropyl)silane	164	C10H16Si	1000109-95-2	35
2	1-Eicosanol	298	C20H42O	000629-96-9	30
3	1-Docosene	308	C22H44	001599-67-3	30
4	2-Thiopheneacetic acid, 2-ethylc...	252	C14H20O2S	1000278-96-1	27
5	1-Tetradecanol, 14-chloro-	248	C14H29ClO	073937-05-0	22





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ClientSampleId : SB-51(6-8)-121916

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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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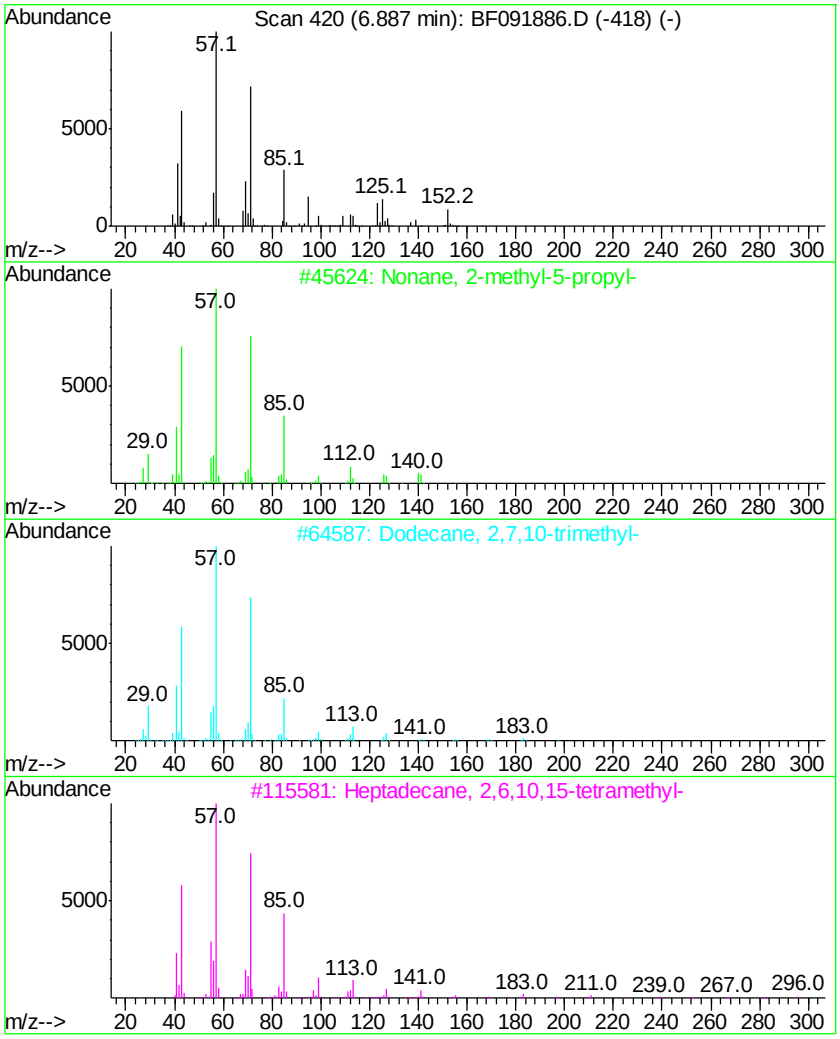
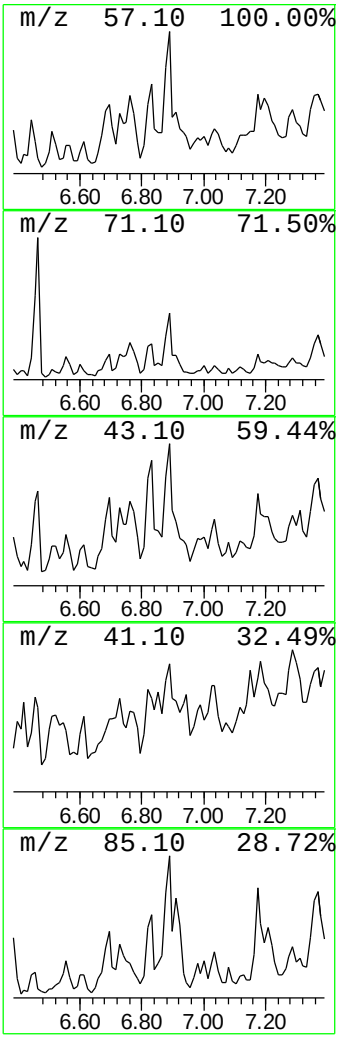
Peak Number 11 Nonane, 2-methyl-5-propyl- Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.89	10.03 ng	2421520	1,4-Dichlorobenzene-d4	6.76

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Nonane, 2-methyl-5-propyl-	184	C13H28	031081-17-1	50
2	Dodecane, 2,7,10-trimethyl-	212	C15H32	074645-98-0	47
3	Heptadecane, 2,6,10,15-tetramethyl-	296	C21H44	054833-48-6	47
4	Dodecane, 2,6,11-trimethyl-	212	C15H32	031295-56-4	43
5	Dodecane, 4-methyl-	184	C13H28	006117-97-1	38





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Instrument : BNA_F
ClientSampleId : SB-51(6-8)-121916

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF122116.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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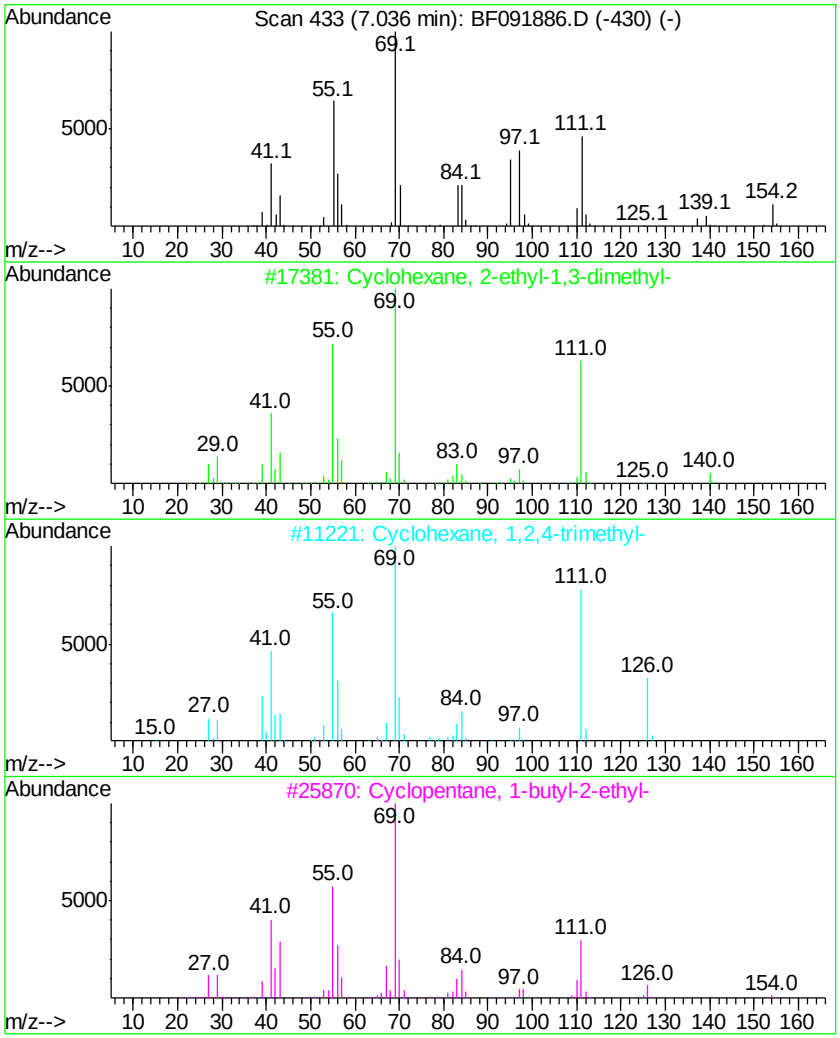
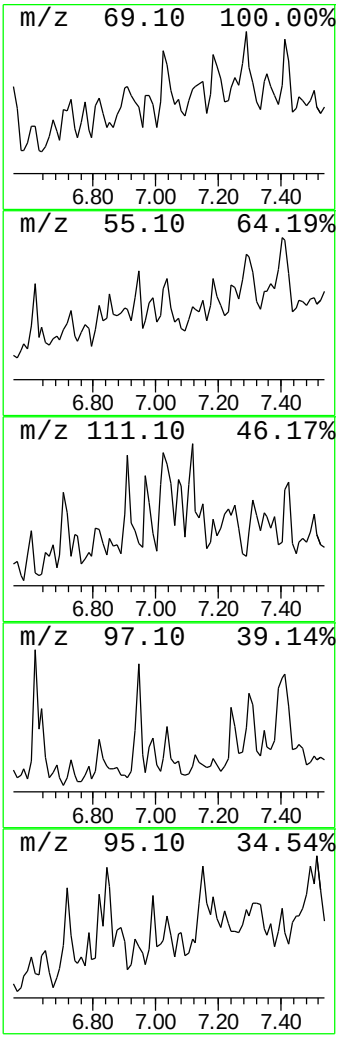
Peak Number 13 Cyclohexane, 2-ethyl-1,3-di... Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.04	15.19 ng	3668530	1,4-Dichlorobenzene-d4	6.76

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, 2-ethyl-1,3-dimethyl-	140	C10H20	007045-67-2	50
2	Cyclohexane, 1,2,4-trimethyl-	126	C9H18	002234-75-5	50
3	Cyclopentane, 1-butyl-2-ethyl-	154	C11H22	072993-32-9	47
4	4-Decene, 4-methyl-, (E)-	154	C11H22	060366-66-7	47
5	4-Octene, 2,3,7-trimethyl-, [S-(...	154	C11H22	052763-13-0	46





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Misc :
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Instrument : BNA_F
ClientSampleId : SB-51(6-8)-121916

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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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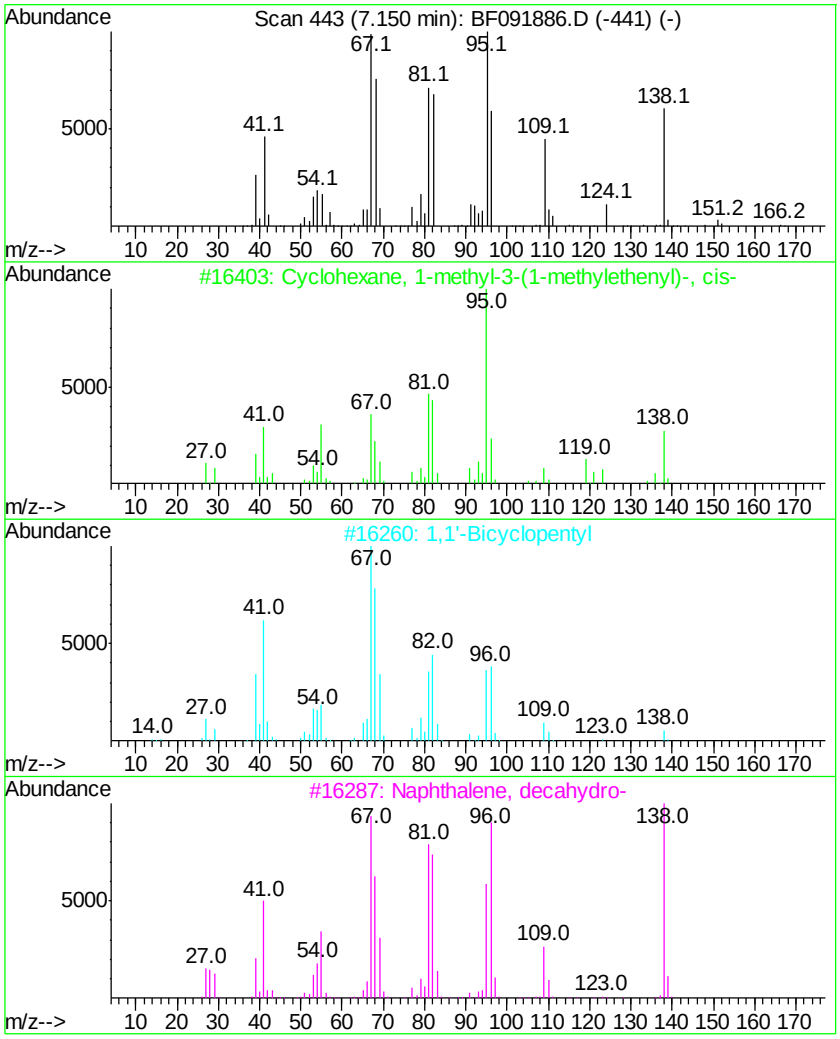
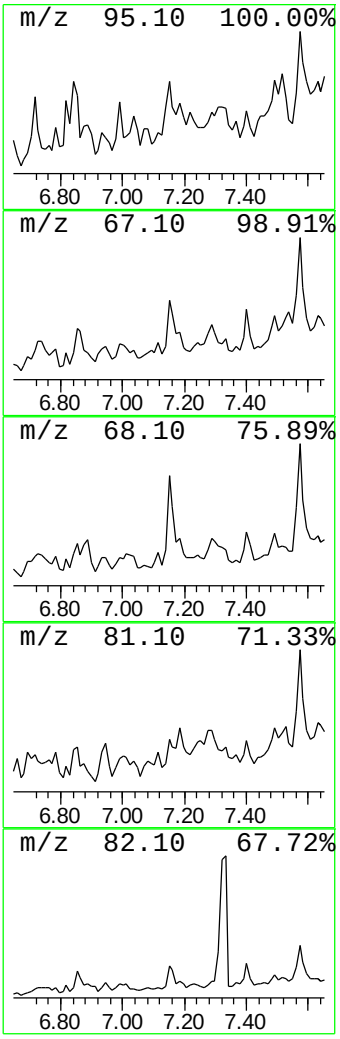
Peak Number 14 Cyclohexane, 1-methyl-3-(1-... Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.15	9.92 ng	2395940	1,4-Dichlorobenzene-d4	6.76

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, 1-methyl-3-(1-methy...	138	C10H18	024399-15-3	81
2	1,1'-Bicyclopentyl	138	C10H18	001636-39-1	80
3	Naphthalene, decahydro-	138	C10H18	000091-17-8	68
4	2-Methylbicyclo[3.2.1]octane	124	C9H16	1000215-28-0	58
5	Cyclohexane, 1-methyl-4-(1-methy...	138	C10H18	001124-25-0	52





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Sample : H6182-04
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Instrument : BNA_F
ClientSampleId : SB-51(6-8)-121916

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF122116.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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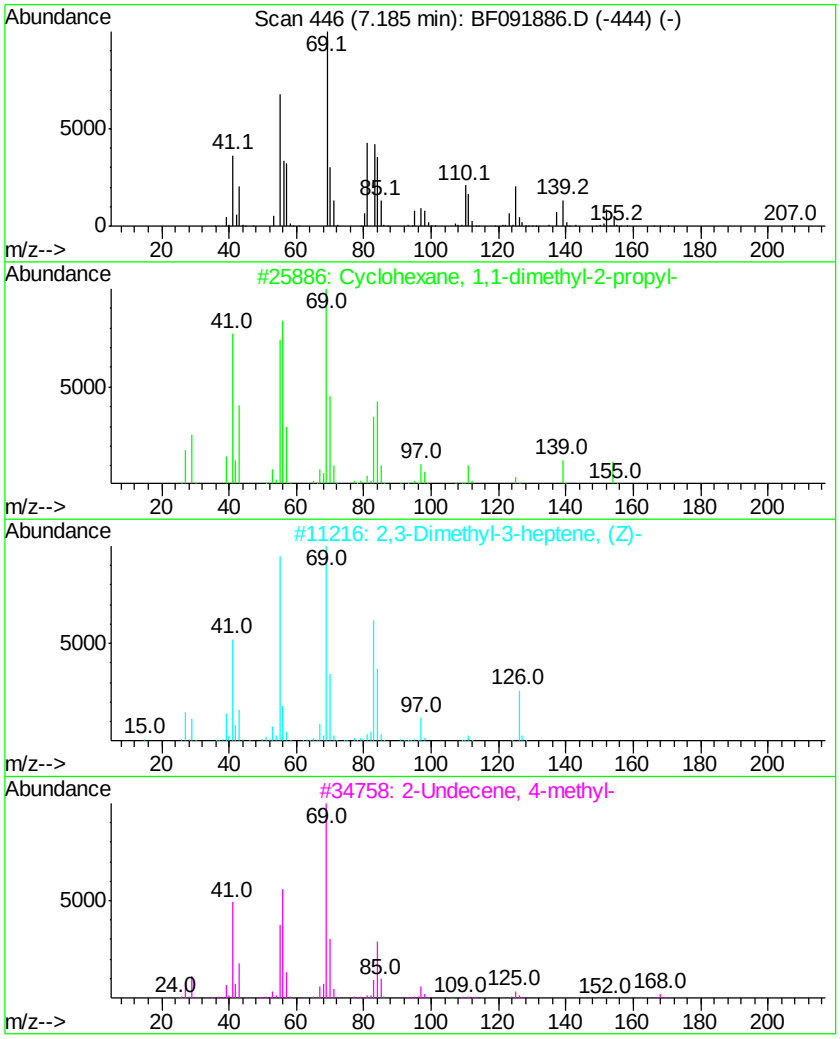
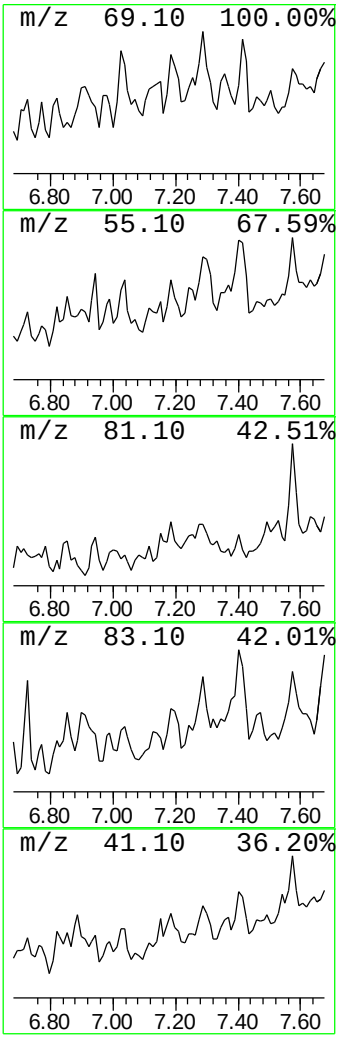
Peak Number 15 Cyclohexane, 1,1-dimethyl-2... Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.18	13.00 ng	3139520	1,4-Dichlorobenzene-d4	6.76

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, 1,1-dimethyl-2-propyl-	154	C11H22	081983-71-3	59
2	2,3-Dimethyl-3-heptene, (Z)-	126	C9H18	059643-73-1	53
3	2-Undecene, 4-methyl-	168	C12H24	091695-32-8	50
4	Cyclopentane, (2-methylbutyl)-	140	C10H20	053366-38-4	43
5	4-Octene, 2,3,6-trimethyl-	154	C11H22	063830-65-9	43





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Operator : UM/SJ
Sample : H6182-04
Misc :
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Instrument : BNA_F
ClientSampleId : SB-51(6-8)-121916

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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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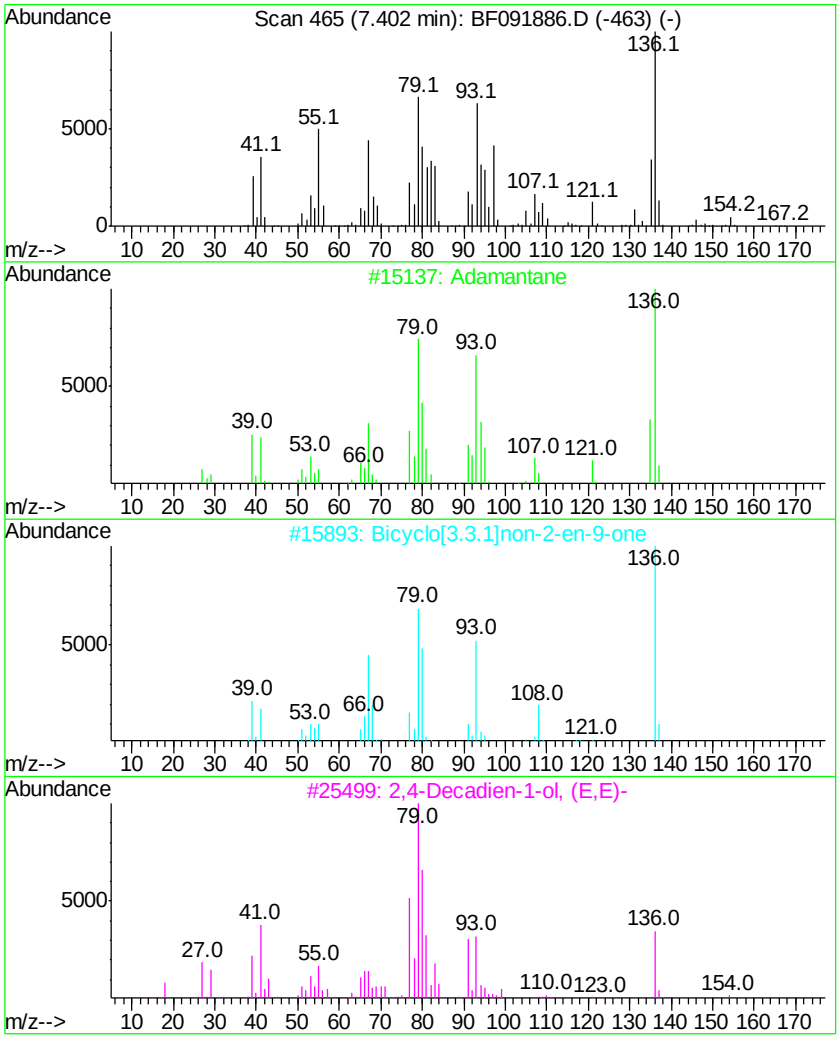
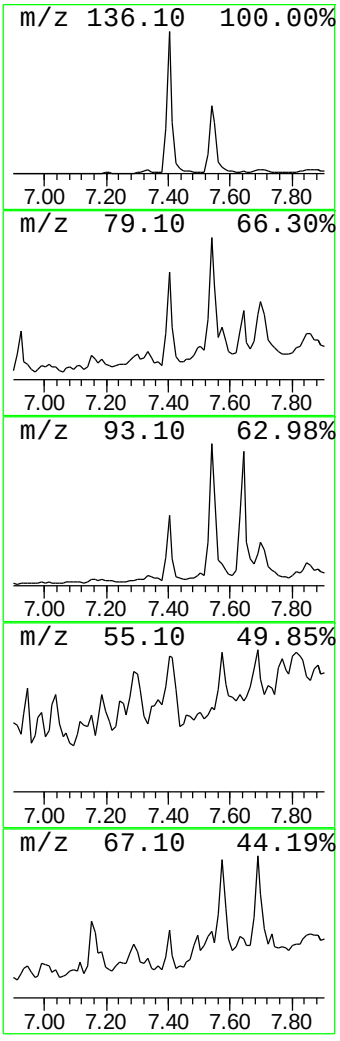
Peak Number 16 Adamantane Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.40	25.01 ng	6040590	1,4-Dichlorobenzene-d4	6.76

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Adamantane	136	C10H16	000281-23-2	95
2	Bicyclo[3.3.1]non-2-en-9-one	136	C9H12O	004844-11-5	64
3	2,4-Decadien-1-ol, (E,E)-	154	C10H18O	018409-21-7	58
4	2,5-Methano-1H-indene, octahydro-	136	C10H16	019026-94-9	53
5	3-Carene	136	C10H16	013466-78-9	49





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Sample : H6182-04
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Instrument : BNA_F
ClientSampleId : SB-51(6-8)-121916

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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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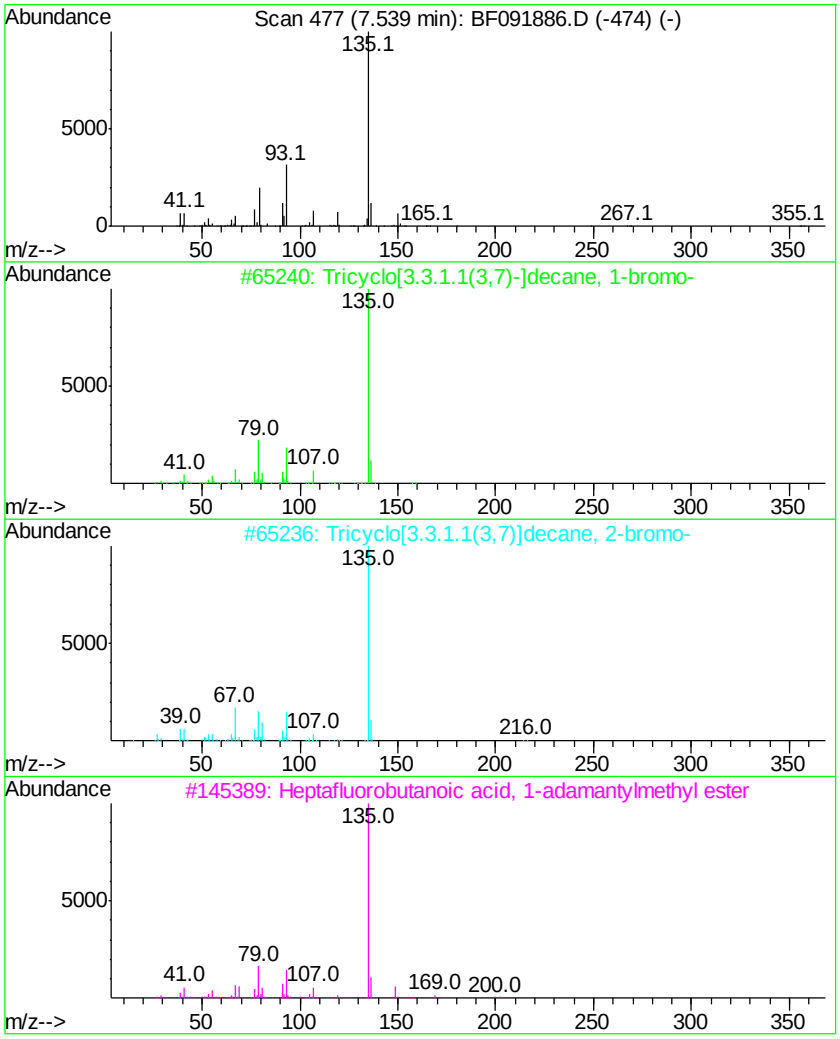
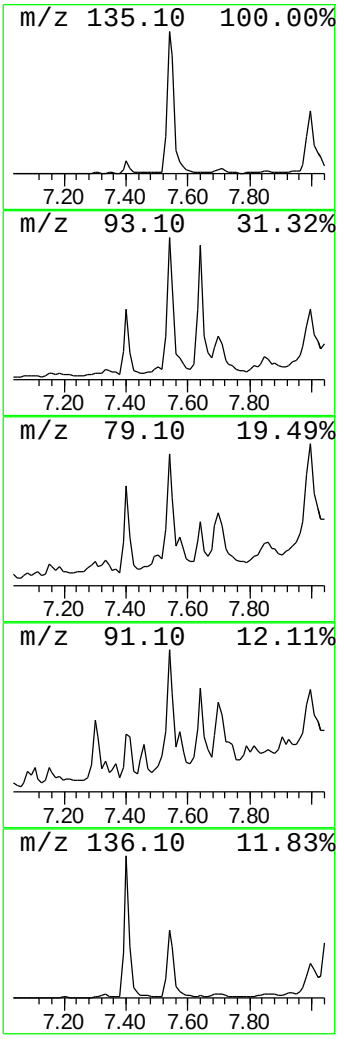
Peak Number 17 Tricyclo[3.3.1.1(3,7)-]deca... Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.54	18.34 ng	7164040	Naphthalene-d8	8.05

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Tricyclo[3.3.1.1(3,7)-]decane, 1...	214	C10H15Br	000768-90-1	78
2	Tricyclo[3.3.1.1(3,7)]decane, 2-...	214	C10H15Br	007314-85-4	78
3	Heptafluorobutanoic acid, 1-adam...	362	C15H17F7O2	1000282-96-9	72
4	2-[1-(Adamantan-1-ylamino)-2,2,2...	295	C15H16F3N3	1000275-90-9	72
5	2-Iodoadamantane	262	C10H15I	018971-91-0	72





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Instrument : BNA_F
ClientSampleId : SB-51(6-8)-121916

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF122116.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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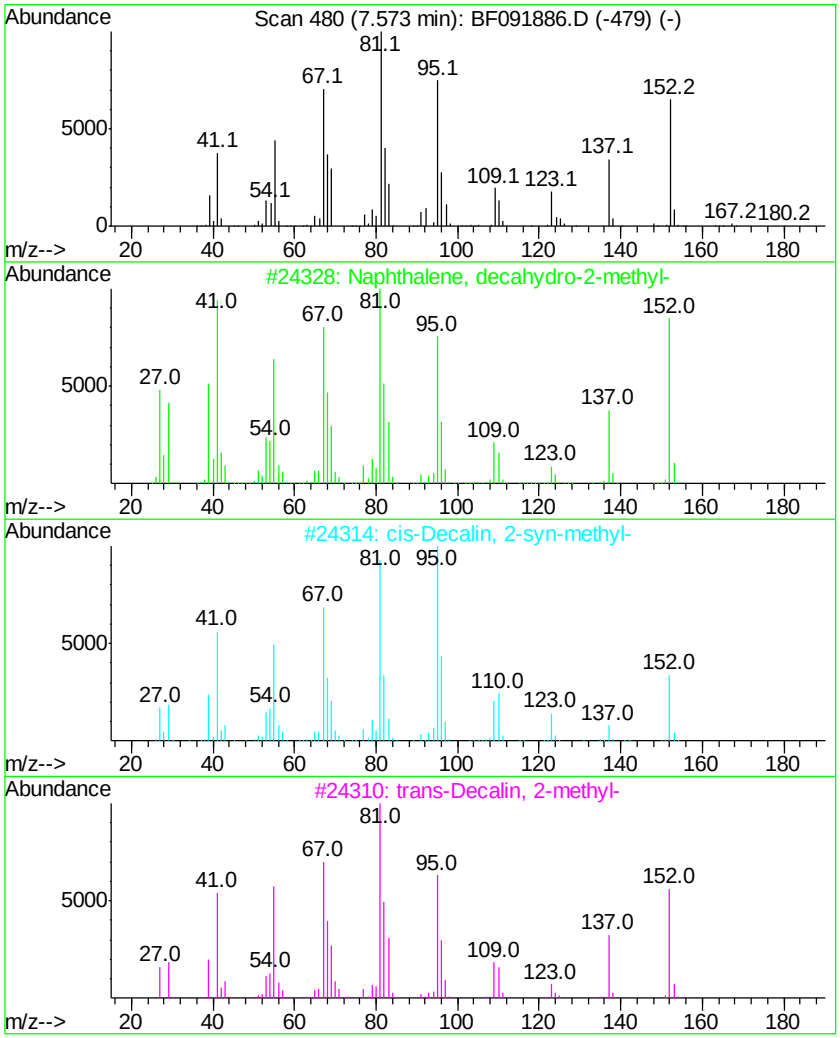
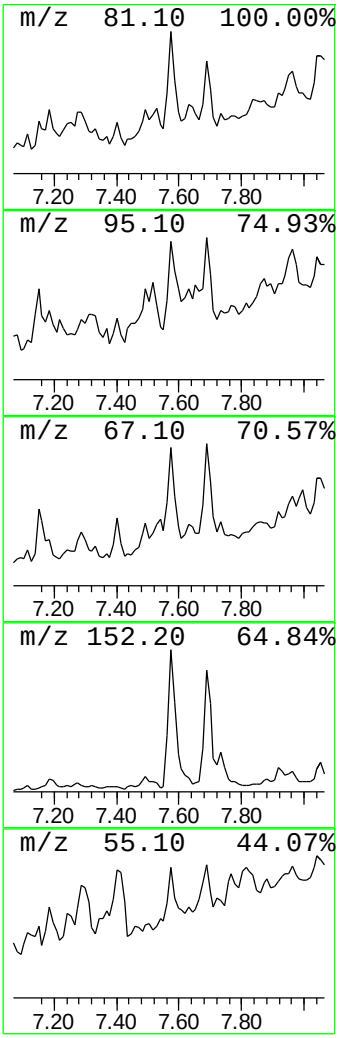
Peak Number 18 Naphthalene, decahydro-2-me... Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.57	14.35 ng	5606430	Naphthalene-d8	8.05

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, decahydro-2-methyl-	152	C11H20	002958-76-1	97
2	cis-Decalin, 2-syn-methyl-	152	C11H20	1000155-85-6	87
3	trans-Decalin, 2-methyl-	152	C11H20	1000152-47-3	83
4	Pulegone	152	C10H16O	000089-82-7	64
5	Cyclohexanone, 2-methyl-5-(1-met...	152	C10H16O	005948-04-9	58





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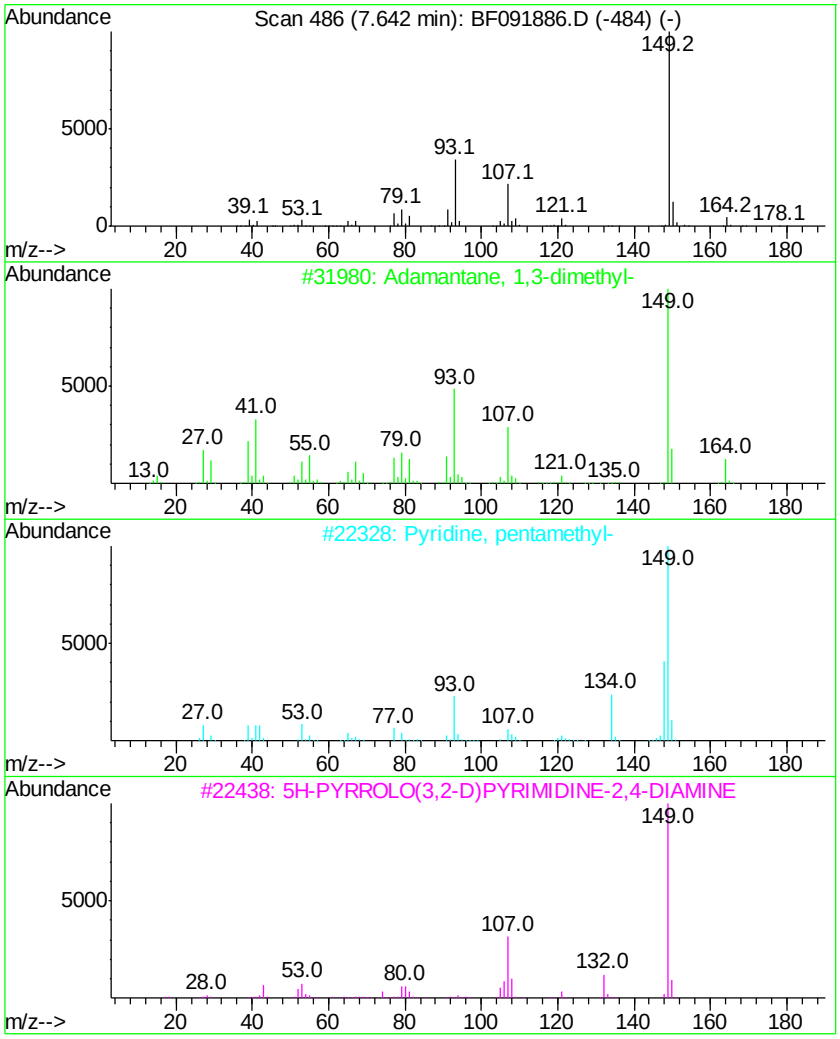
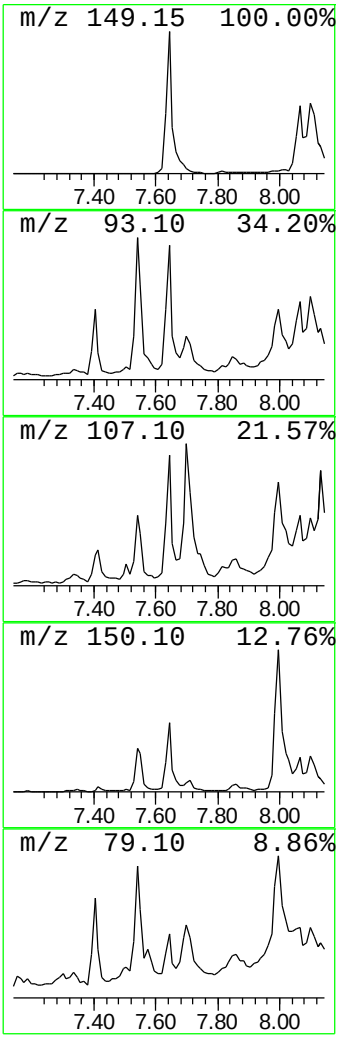
Peak Number 19 Adamantane, 1,3-dimethyl- Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.64	12.16 ng	4749390	Naphthalene-d8	8.05

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Adamantane, 1,3-dimethyl-	164	C12H20	000702-79-4	50
2	Pyridine, pentamethyl-	149	C10H15N	003748-83-2	45
3	5H-PYRROLO(3,2-D)PYRIMIDINE-2,4-...	149	C6H7N5	1000244-21-4	42
4	Tricyclo[4.3.1.1(3,8)]undecane, ...	228	C11H17Br	021898-96-4	38
5	2-(2-Carboxyvinyl)pyridine, trans	149	C8H7NO2	007340-22-9	28





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Instrument : BNA_F
ClientSampleId : SB-51(6-8)-121916

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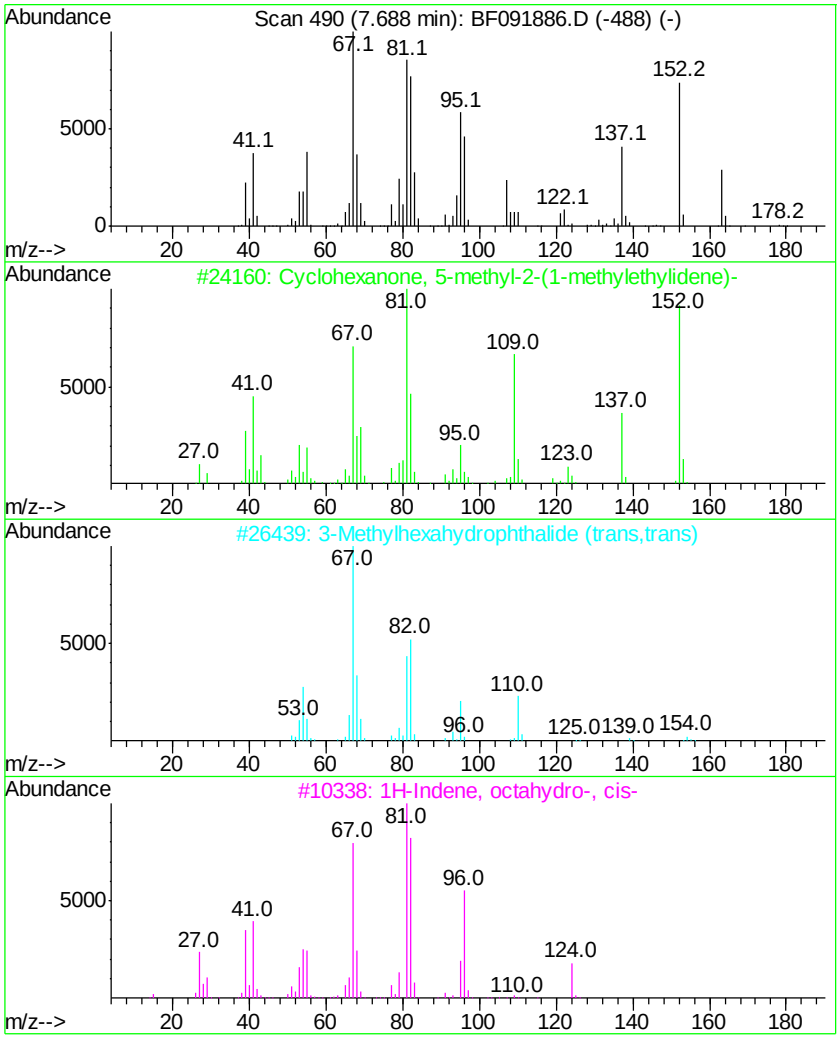
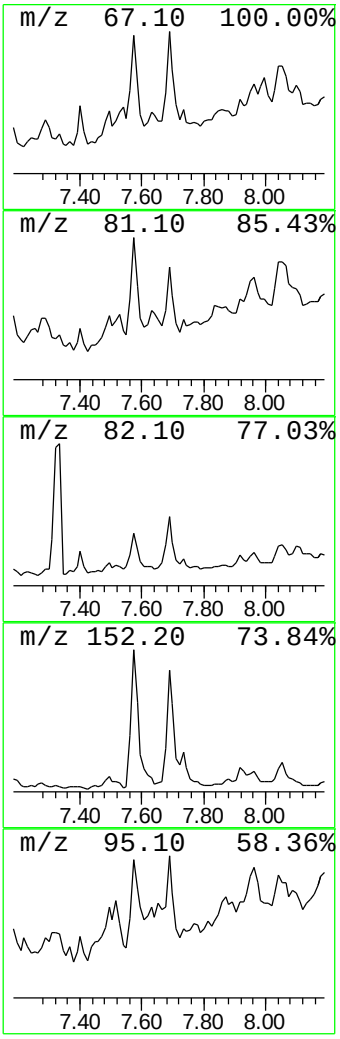
Peak Number 20 unknown7.69 Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.69	20.00 ng	7813850	Naphthalene-d8	8.05

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexanone, 5-methyl-2-(1-met...	152	C10H16O	015932-80-6	46
2	3-Methylhexahydrophthalide (tran...	154	C9H14O2	1000280-18-2	38
3	1H-Indene, octahydro-, cis-	124	C9H16	004551-51-3	38
4	Pentalene, octahydro-2-methyl-	124	C9H16	003868-64-2	25
5	Cyclohexane, methylene-	96	C7H12	001192-37-6	22





Tentatively Identified Compound (LSC) summary

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF122216\
Data File : BF091886.D
Acq On : 22 Dec 2016 15:21
Operator : UM/SJ
Sample : H6182-04
Misc :
ALS Vial : 53 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-51(6-8)-121916

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF122116.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
2-Pentanone, 4-hy...	4.92	13.6	ng	3272490	1	6.76	4830850	20.0
unknown5.74	5.74	15.8	ng	3816150	1	6.76	4830850	20.0
7-Methylbicyclo[4...	5.89	11.7	ng	2824980	1	6.76	4830850	20.0
Octane, 2,7-dimet...	5.95	18.0	ng	4343720	1	6.76	4830850	20.0
Nonane, 3-methyl-	6.00	14.8	ng	3564050	1	6.76	4830850	20.0
2-Methylbicyclo[3...	6.18	11.1	ng	2679860	1	6.76	4830850	20.0
Cyclooctane, ethyl-	6.29	21.6	ng	5210610	1	6.76	4830850	20.0
Cyclopentane, 1,3...	6.37	13.3	ng	3207930	1	6.76	4830850	20.0
unknown6.54	6.54	31.5	ng	7610950	1	6.76	4830850	20.0
unknown6.82	6.82	18.1	ng	4375580	1	6.76	4830850	20.0
Nonane, 2-methyl-...	6.89	10.0	ng	2421520	1	6.76	4830850	20.0
Cyclohexane, 2-et...	7.04	15.2	ng	3668530	1	6.76	4830850	20.0
Cyclohexane, 1-me...	7.15	9.9	ng	2395940	1	6.76	4830850	20.0
Cyclohexane, 1,1-...	7.18	13.0	ng	3139520	1	6.76	4830850	20.0
Adamantane	7.40	25.0	ng	6040590	1	6.76	4830850	20.0
Tricyclo[3.3.1.1(...	7.54	18.3	ng	7164040	2	8.05	7813850	20.0
Naphthalene, deca...	7.57	14.4	ng	5606430	2	8.05	7813850	20.0
Adamantane, 1,3-d...	7.64	12.2	ng	4749390	2	8.05	7813850	20.0
unknown7.69	7.69	20.0	ng	7813850	2	8.05	7813850	20.0