LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA F\DATA\BF122216\
Data File : BF091889.D
Acq On : 22 Dec 2016 16:41
Operator : UM/SJ
Sample : H6182-07
Misc :
ALS Vial : 56 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-52(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	2.532	32	39	43	rBV2	243649	721387	6.35%	0.479%
2	2.887	62	70	80	rBV2	268350	858199	7.56%	0.570%
3	3.070	80	86	90	rBV2	282819	732692	6.45%	0.487%
4	3.367	107	112	118	rVB3	70342	270987	2.39%	0.180%
5	3.504	118	124	129	rBV2	289496	779187	6.86%	0.518%
6	3.607	129	133	137	rVB3	88459	242577	2.14%	0.161%
7	3.687	137	140	143	rBV	94063	243628	2.15%	0.162%
8	3.744	143	145	150	rVB2	153206	342548	3.02%	0.228%
9	3.858	150	155	158	rBV2	516788	1200116	10.57%	0.798%
10	3.915	158	160	164	rVB	181983	310888	2.74%	0.207%
11	4.030	167	170	173	rBV2	384008	708145	6.24%	0.471%
12	4.098	173	176	179	rBV	349096	643564	5.67%	0.428%
13	4.258	186	190	196	rBV2	1368230	3135932	27.62%	2.084%
14	4.373	196	200	204	rBV2	731168	1231705	10.85%	0.819%
15	4.441	204	206	208	rBV	155299	245380	2.16%	0.163%
16	4.476	208	209	212	rVB2	200751	280962	2.47%	0.187%
17	4.544	212	215	218	rBV2	308873	630692	5.56%	0.419%
18	4.601	218	220	222	rBV	349553	524200	4.62%	0.348%
19	4.647	222	224	226	rVB2	203913	283120	2.49%	0.188%
20	4.727	226	231	233	rBV	2255583	3732092	32.87%	2.481%
21	4.773	233	235	236	rBV	418031	708829	6.24%	0.471%
22	4.818	236	239	243	rVB3	2512504	4350806	38.32%	2.892%
23	4.887	243	245	248	rBV2	2067631	4065278	35.81%	2.702%
24	4.933	248	249	254	rVB3	1069883	2213637	19.50%	1.471%
25	5.024	254	257	262	rVB3	989057	1858045	16.37%	1.235%
26	5.104	262	264	266	rBV	2443619	3351202	29.52%	2.227%
27	5.230	272	275	278	rVB3	817346	1181402	10.41%	0.785%
28	5.287	278	280	281	rBV2	914827	1335193	11.76%	0.887%
29	5.401	287	290	293	rBV	4829656	7407237	65.24%	4.923%
30	5.493	296	298	300	rBV	2600687	3890561	34.27%	2.586%
31	5.538	300	302	303	rVB	1374578	1613400	14.21%	1.072%
32	5.596	303	307	310	rVB2	1971908	4074290	35.89%	2.708%
33	5.653	310	312	316	rVB	1466567	2123439	18.70%	1.411%
34	5.756	317	321	323	rBV2	5271643	11014871	97.02%	7.321%

LSC Area Percent Report

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Data File : BF091889.D
Acq On : 22 Dec 2016 16:41
Operator : UM/SJ
Sample : H6182-07
Misc :
ALS Vial : 56 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-52(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	5.801	323	325	328	rBV3	1219744	2105970	18.55%	1.400%
36	5.893	330	333	336	rBV	6921355	11353210	100.00%	7.546%
37	5.961	336	339	340	rBV2	1090940	1940664	17.09%	1.290%
38	5.996	340	342	346	rBV2	4938846	10933907	96.31%	7.267%
39	6.064	346	348	349	rBV	2273497	3074727	27.08%	2.044%
40	6.190	356	359	360	rBV2	2793469	4412616	38.87%	2.933%
41	6.293	365	368	372	rVV5	3876092	10884361	95.87%	7.234%
42	6.430	376	380	381	rVV2	2135906	4493189	39.58%	2.986%
43	6.464	381	383	385	rVB	2600991	3985251	35.10%	2.649%
44	6.613	394	396	402	rVB3	1150581	2375582	20.92%	1.579%
45	6.727	402	406	407	rBV3	2137098	5167457	45.52%	3.435%
46	6.784	409	411	416	rVV	2524732	4952372	43.62%	3.292%
47	6.921	421	423	428	rVB4	2188409	6682475	58.86%	4.441%
48	7.162	442	444	452	rBV4	2576627	7685364	67.69%	5.108%
49	7.310	455	457	458	rBV2	1873176	3237924	28.52%	2.152%
50	16.374	1248	1250	1254	rVB	470492	864776	7.62%	0.575%

Sum of corrected areas: 150456036

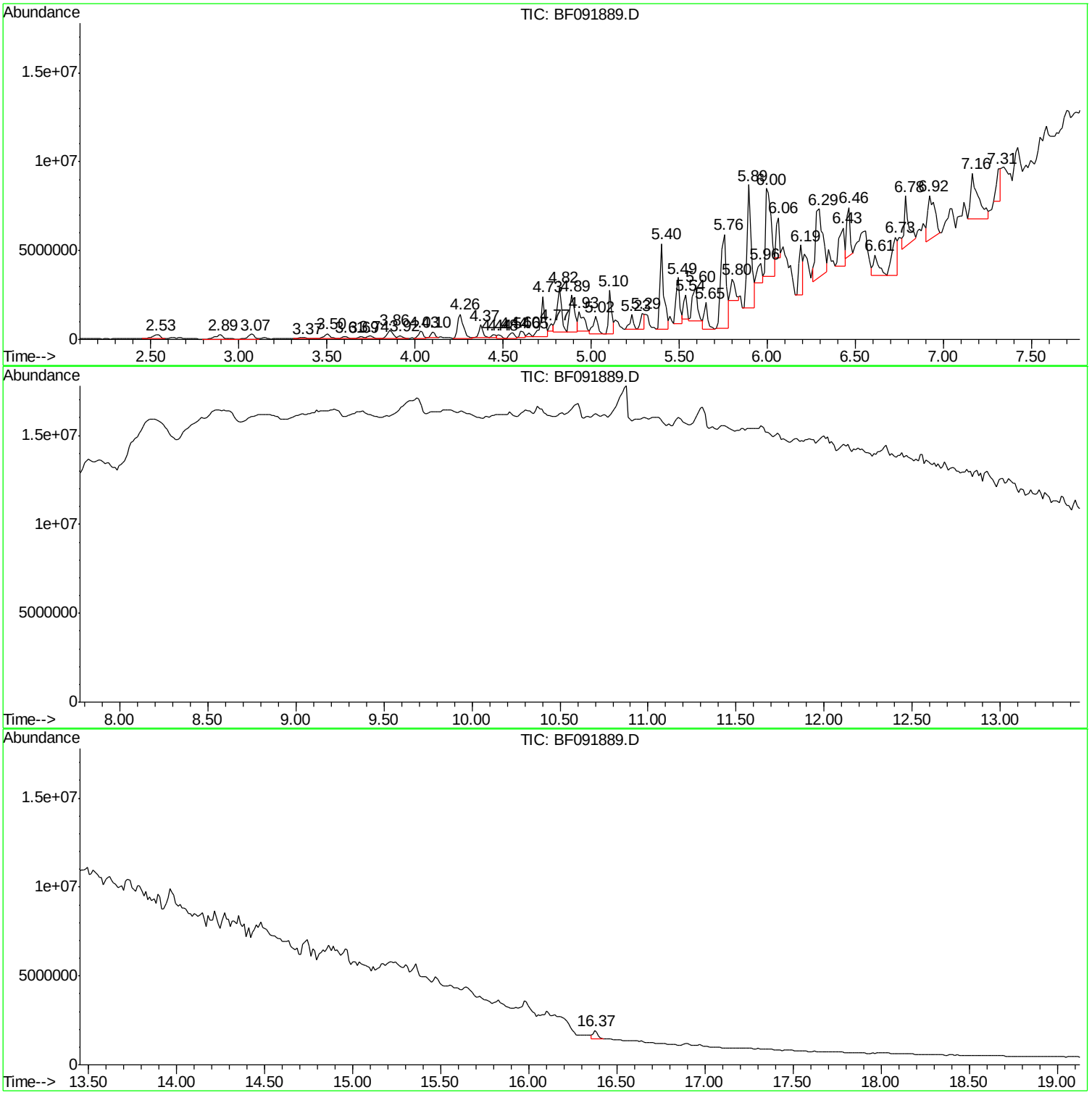
LSC Report - Integrated Chromatogram

Data Path : Z:\HPCHEM1\BNA F\DATA\BF122216\
Data File : BF091889.D
Acq On : 22 Dec 2016 16:41
Operator : UM/SJ
Sample : H6182-07
Misc :
ALS Vial : 56 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-52(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



Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA F\DATA\BF122216\
Data File : BF091889.D
Acq On : 22 Dec 2016 16:41
Operator : UM/SJ
Sample : H6182-07
Misc :
ALS Vial : 56 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-52(6-8)-121916

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

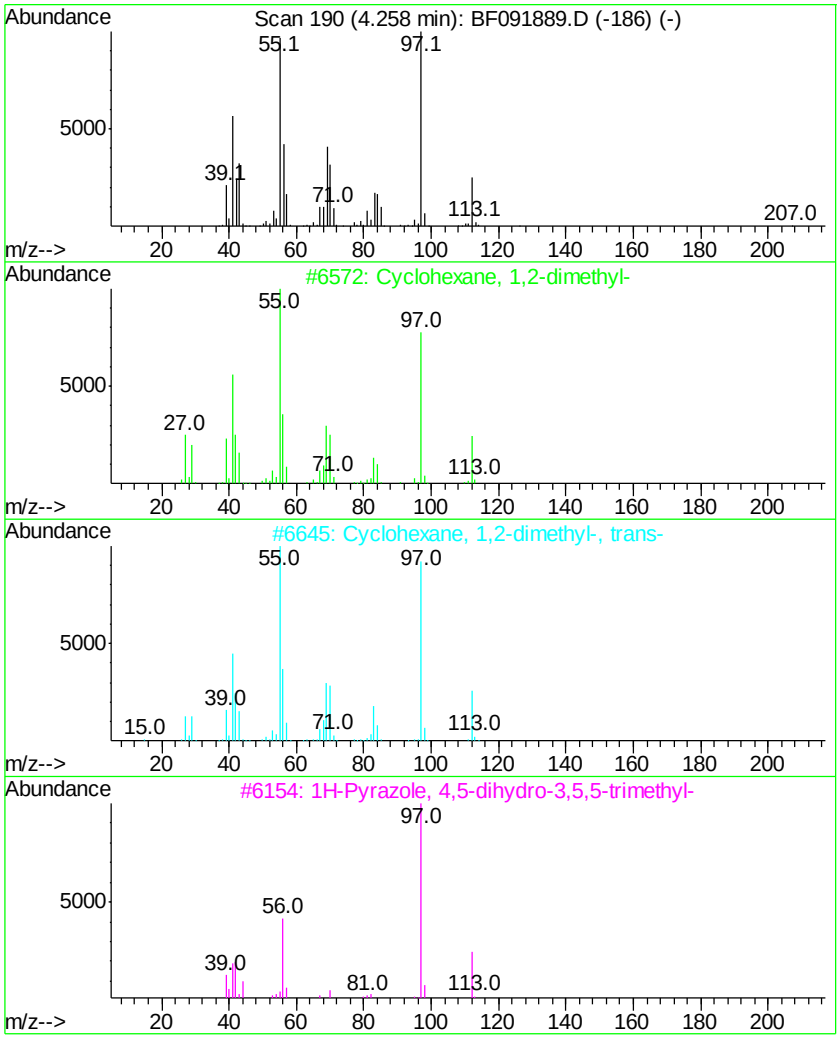
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

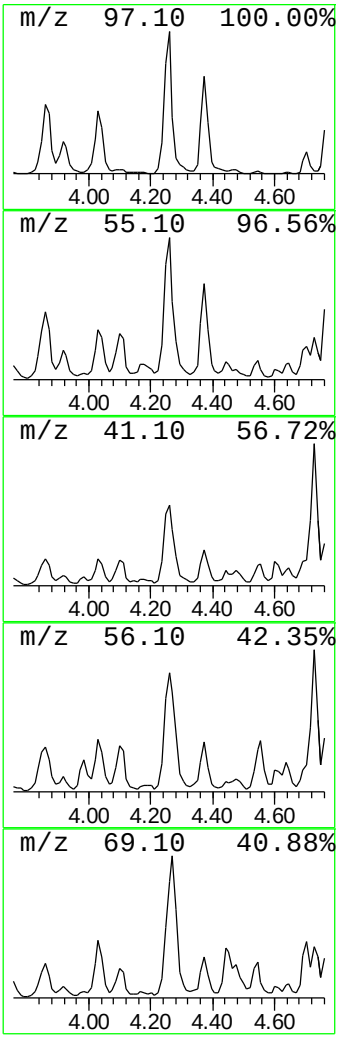
****

Peak Number 1 Cyclohexane, 1,2-dimethyl- Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.26	12.66 ng	3135930	1,4-Dichlorobenzene-d4	6.76

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, 1,2-dimethyl-	112	C8H16	000583-57-3	97
2	Cyclohexane, 1,2-dimethyl-, trans-	112	C8H16	006876-23-9	96
3	1H-Pyrazole, 4,5-dihydro-3,5,5-t...	112	C6H12N2	003975-85-7	76
4	Cyclohexane, 1,4-dimethyl-, cis-	112	C8H16	000624-29-3	64
5	2-Pyrazoline, 1,4,5-trimethyl-	112	C6H12N2	007423-11-2	64





Data Path : Z:\HPCHEM1\BNA F\DATA\BF122216\
Data File : BF091889.D
Acq On : 22 Dec 2016 16:41
Operator : UM/SJ
Sample : H6182-07
Misc :
ALS Vial : 56 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-52(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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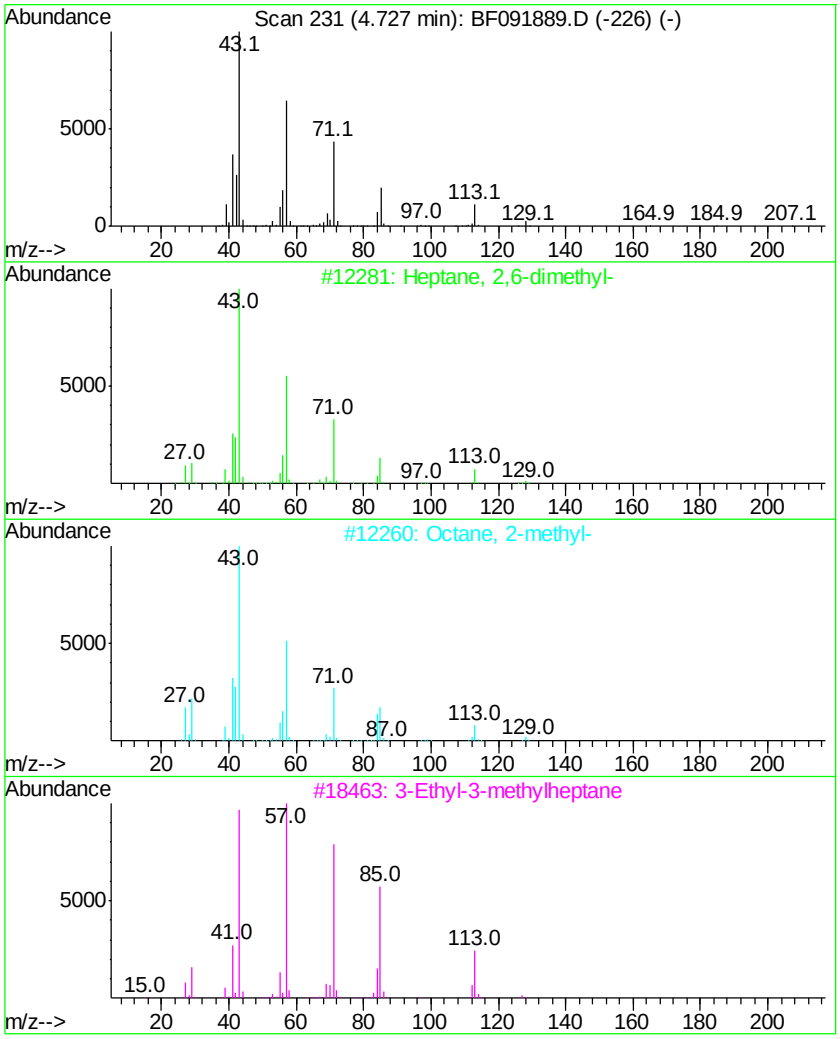
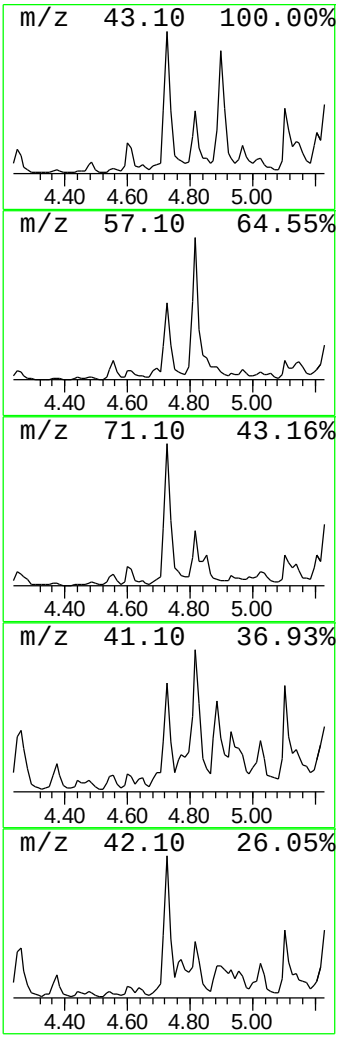
Peak Number 2 Heptane, 2,6-dimethyl- Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.73	15.07 ng	3732090	1,4-Dichlorobenzene-d4	6.76

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heptane, 2,6-dimethyl-	128	C9H20	001072-05-5	91
2	Octane, 2-methyl-	128	C9H20	003221-61-2	81
3	3-Ethyl-3-methylheptane	142	C10H22	017302-01-1	59
4	1-Nonene, 4,6,8-trimethyl-	168	C12H24	054410-98-9	59
5	Octane, 3-ethyl-2,7-dimethyl-	170	C12H26	062183-55-5	53





Data Path : Z:\HPCHEM1\BNA F\DATA\BF122216\
Data File : BF091889.D
Acq On : 22 Dec 2016 16:41
Operator : UM/SJ
Sample : H6182-07
Misc :
ALS Vial : 56 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-52(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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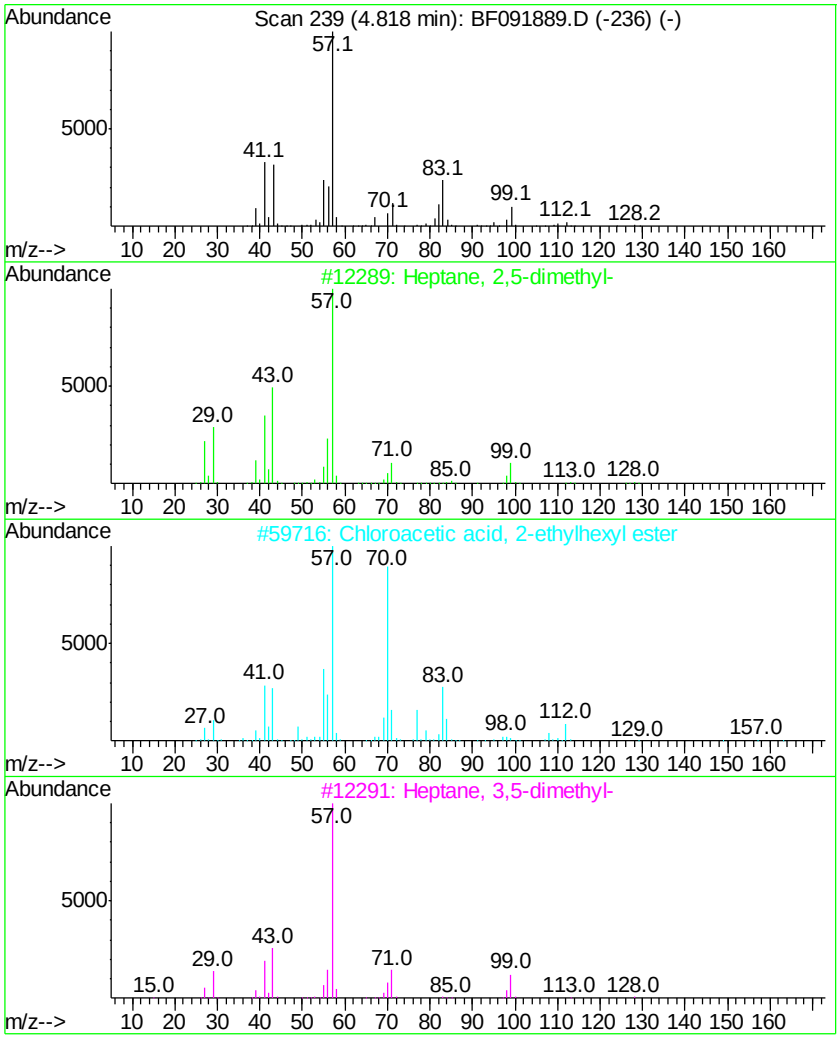
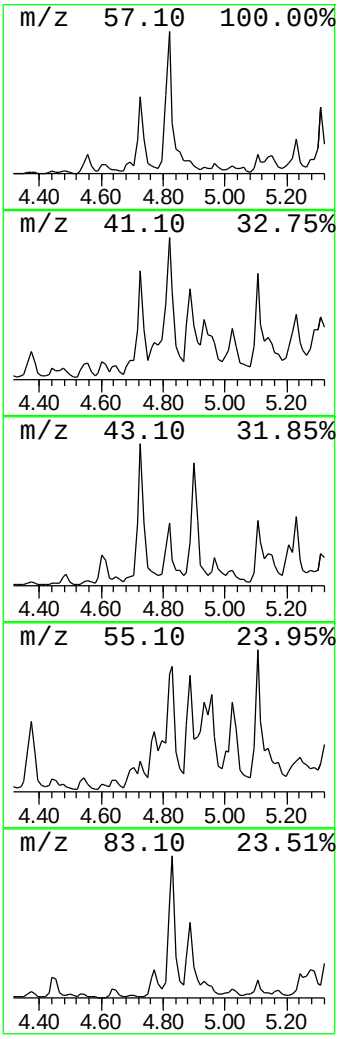
Peak Number 3 unknown4.82 Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.82	17.57 ng	4350810	1,4-Dichlorobenzene-d4	6.76

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heptane, 2,5-dimethyl-	128	C9H20	002216-30-0	47
2	Chloroacetic acid, 2-ethylhexyl ...	206	C10H19ClO2	005345-58-4	45
3	Heptane, 3,5-dimethyl-	128	C9H20	000926-82-9	43
4	Octane, 3-methyl-	128	C9H20	002216-33-3	38
5	Decane, 2,6,6-trimethyl-	184	C13H28	062108-24-1	32





Data Path : Z:\HPCHEM1\BNA F\DATA\BF122216\
Data File : BF091889.D
Acq On : 22 Dec 2016 16:41
Operator : UM/SJ
Sample : H6182-07
Misc :
ALS Vial : 56 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-52(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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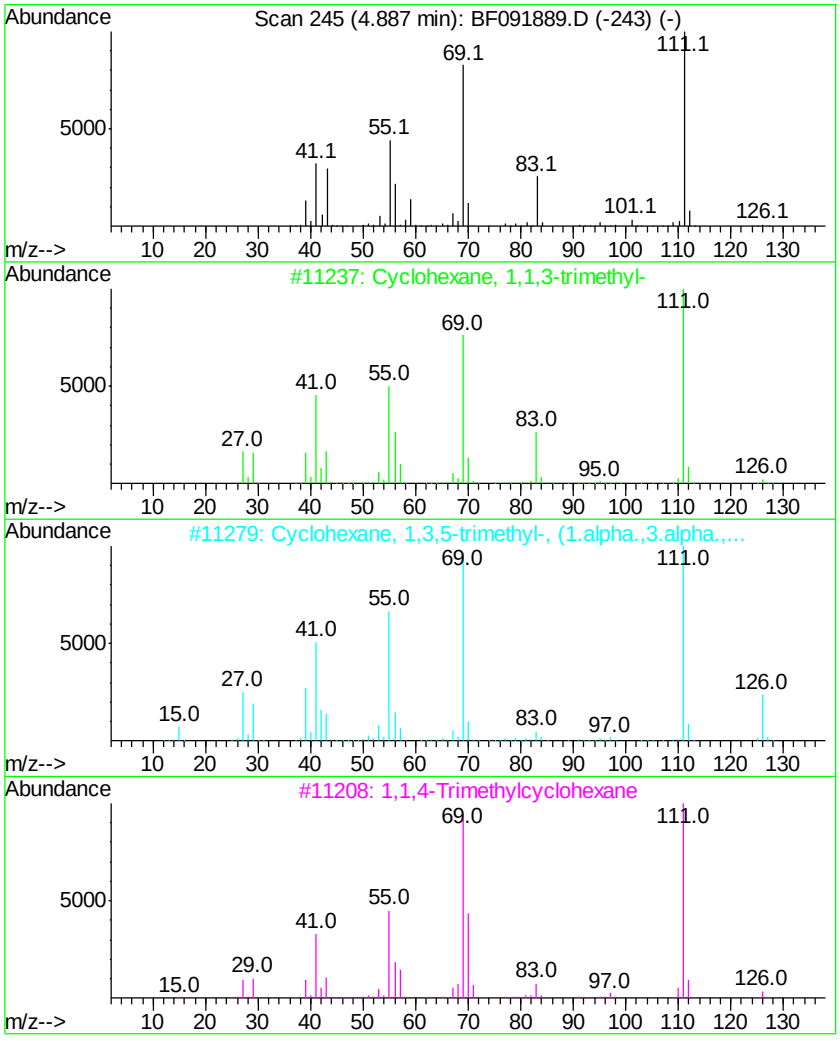
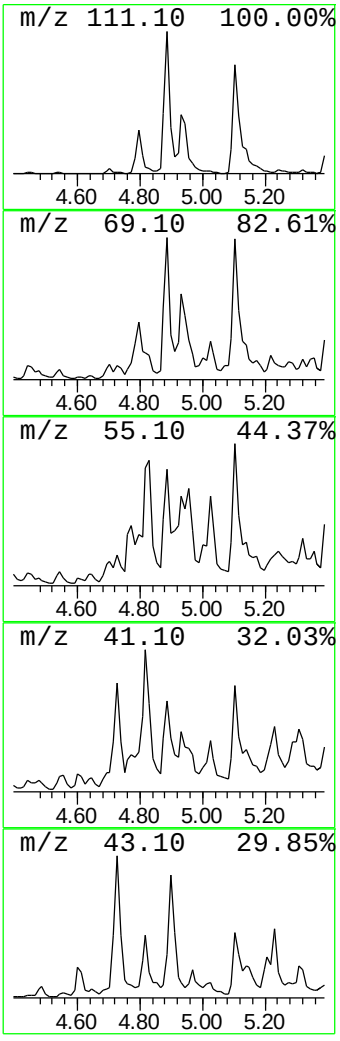
Peak Number 4 Cyclohexane, 1,1,3-trimethyl- Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.89	16.42 ng	4065280	1,4-Dichlorobenzene-d4	6.76

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, 1,1,3-trimethyl-	126	C9H18	003073-66-3	86
2	Cyclohexane, 1,3,5-trimethyl-, (...	126	C9H18	001795-27-3	50
3	1,1,4-Trimethylcyclohexane	126	C9H18	007094-27-1	50
4	Cyclooctane, (1-methylpropyl)-	168	C12H24	016538-89-9	50
5	Cyclohexane, 1,2,4-trimethyl-	126	C9H18	002234-75-5	50





Data Path : Z:\HPCHEM1\BNA F\DATA\BF122216\
Data File : BF091889.D
Acq On : 22 Dec 2016 16:41
Operator : UM/SJ
Sample : H6182-07
Misc :
ALS Vial : 56 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-52(6-8)-121916

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

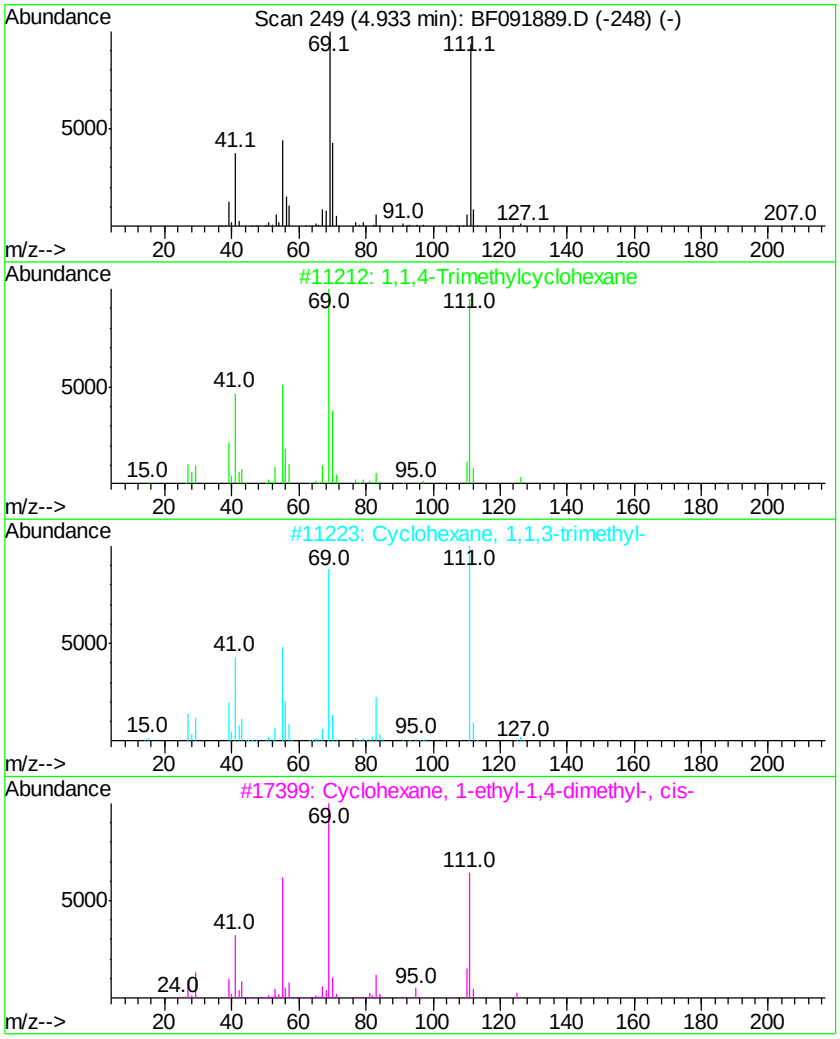
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

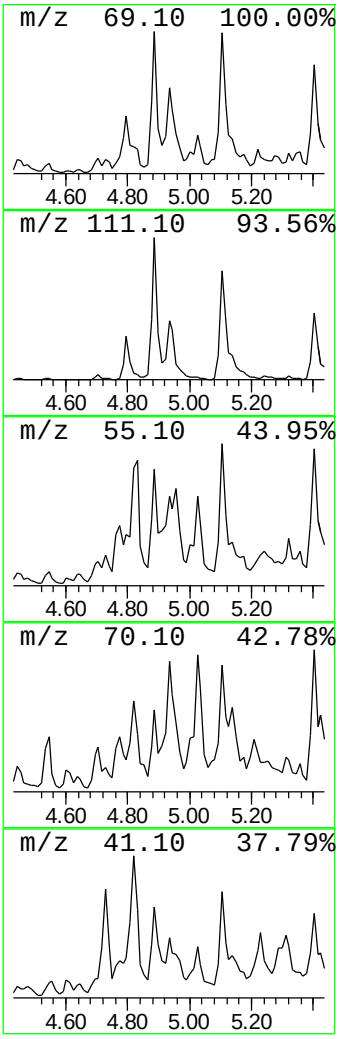
****

Peak Number 5 1,1,4-Trimethylcyclohexane Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.93	8.94 ng	2213640	1,4-Dichlorobenzene-d4	6.76

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,1,4-Trimethylcyclohexane	126	C9H18	007094-27-1	74
2	Cyclohexane, 1,1,3-trimethyl-	126	C9H18	003073-66-3	72
3	Cyclohexane, 1-ethyl-1,4-dimethy...	140	C10H20	062238-30-6	64
4	Cyclohexane, 1,3,5-trimethyl-	126	C9H18	001839-63-0	64
5	Cyclohexane, 1-ethyl-1,4-dimethy...	140	C10H20	062238-32-8	50





Data Path : Z:\HPCHEM1\BNA F\DATA\BF122216\
Data File : BF091889.D
Acq On : 22 Dec 2016 16:41
Operator : UM/SJ
Sample : H6182-07
Misc :
ALS Vial : 56 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-52(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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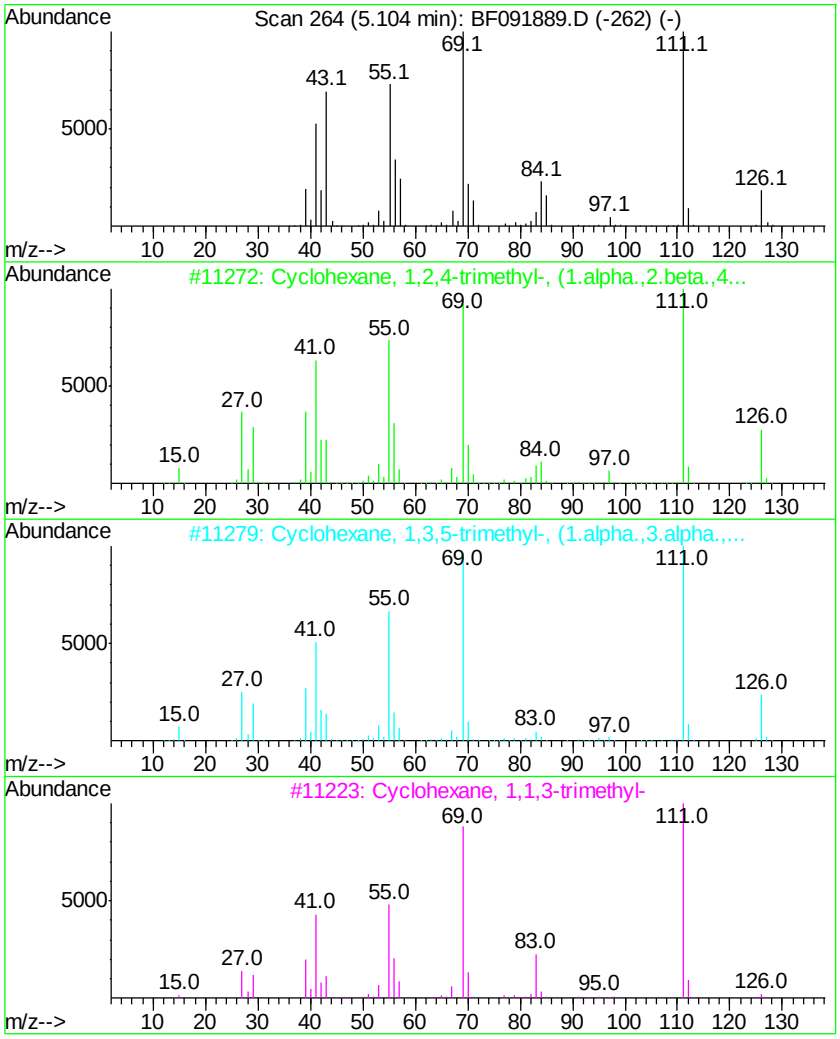
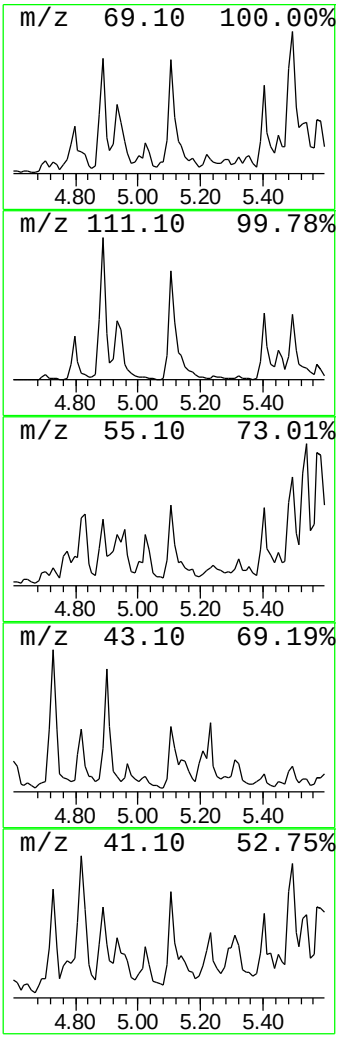
Peak Number 6 Cyclohexane, 1,2,4-trimethy... Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.10	13.53 ng	3351200	1,4-Dichlorobenzene-d4	6.76

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, 1,2,4-trimethyl-, (...	126	C9H18	007667-60-9	83
2	Cyclohexane, 1,3,5-trimethyl-, (...	126	C9H18	001795-27-3	64
3	Cyclohexane, 1,1,3-trimethyl-	126	C9H18	003073-66-3	64
4	2,4,6-Trimethyl-1,5-diazabicyclo...	126	C7H14N2	1000283-21-2	64
5	Cyclohexane, 1-ethyl-2,4-dimethyl-	140	C10H20	061142-69-6	59





Data Path : Z:\HPCHEM1\BNA F\DATA\BF122216\
Data File : BF091889.D
Acq On : 22 Dec 2016 16:41
Operator : UM/SJ
Sample : H6182-07
Misc :
ALS Vial : 56 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-52(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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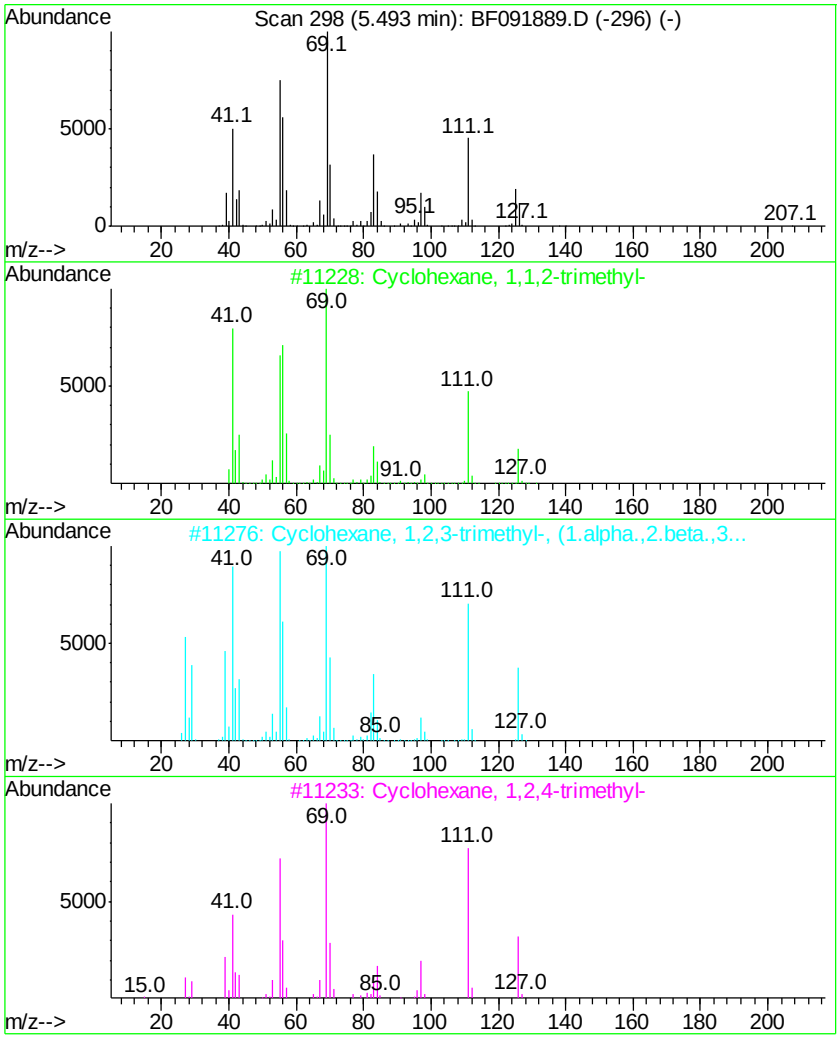
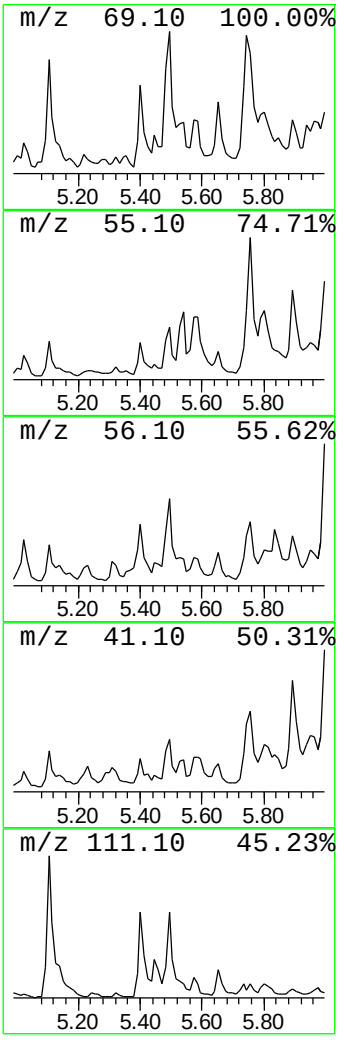
Peak Number 7 Cyclohexane, 1,1,2-trimethyl- Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.49	15.71 ng	3890560	1,4-Dichlorobenzene-d4	6.76

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, 1,1,2-trimethyl-	126	C9H18	007094-26-0	81
2	Cyclohexane, 1,2,3-trimethyl-, (...	126	C9H18	001678-81-5	74
3	Cyclohexane, 1,2,4-trimethyl-	126	C9H18	002234-75-5	70
4	Cyclopentane, 1-methyl-2-propyl-	126	C9H18	003728-57-2	62
5	Cyclopentane, 2-ethyl-1,1-dimethyl-	126	C9H18	054549-80-3	46





Data Path : Z:\HPCHEM1\BNA F\DATA\BF122216\
Data File : BF091889.D
Acq On : 22 Dec 2016 16:41
Operator : UM/SJ
Sample : H6182-07
Misc :
ALS Vial : 56 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-52(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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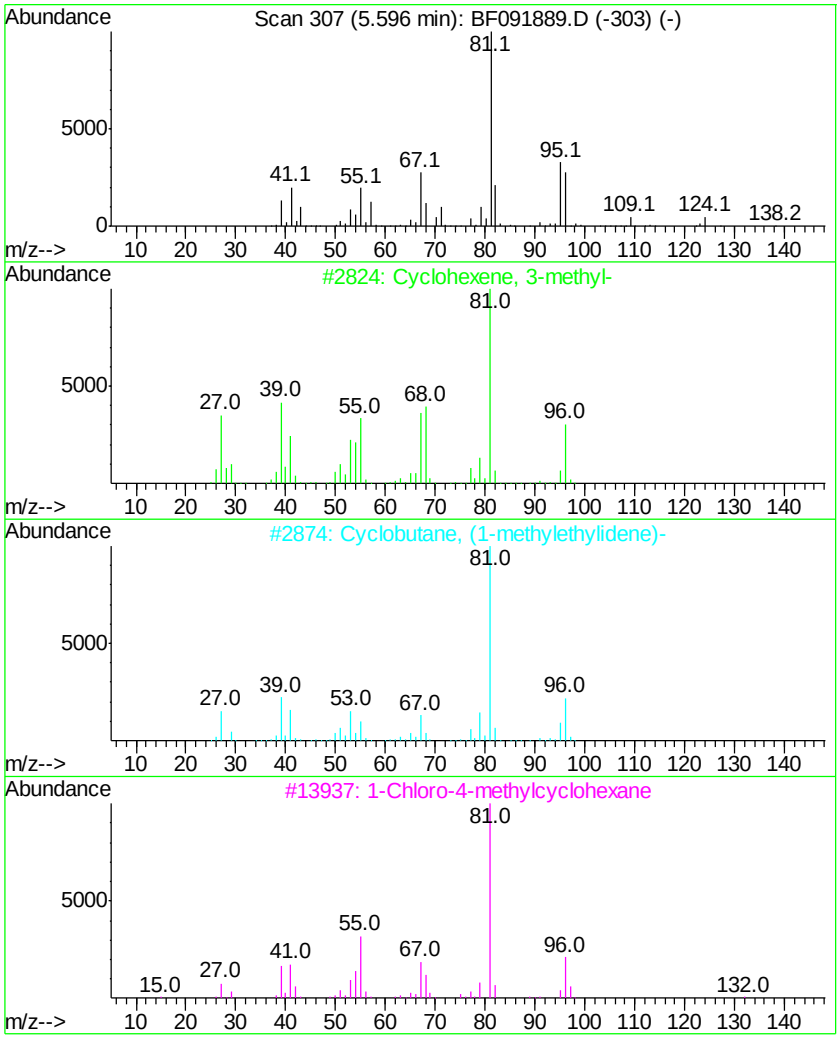
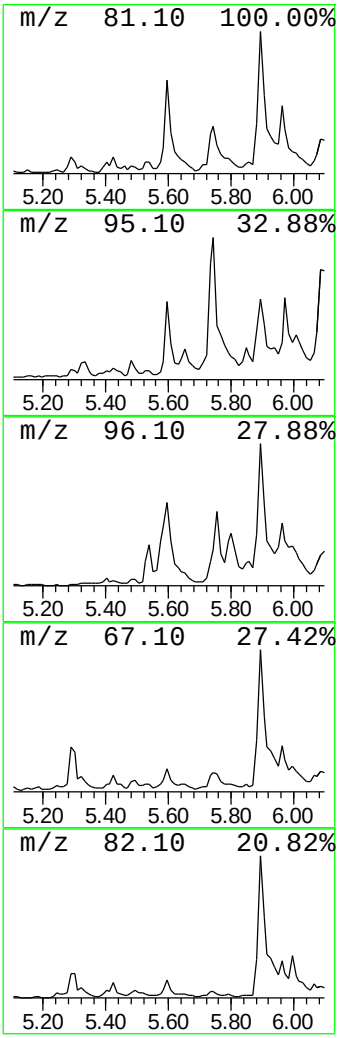
Peak Number 8 Cyclohexene, 3-methyl- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.60	16.45 ng	4074290	1,4-Dichlorobenzene-d4	6.76

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexene, 3-methyl-	96	C7H12	000591-48-0	59
2	Cyclobutane, (1-methylethylidene)-	96	C7H12	001528-22-9	50
3	1-Chloro-4-methylcyclohexane	132	C7H13Cl	000931-68-0	50
4	Cyclopentane, 1-methyl-2-methylene-	96	C7H12	041158-41-2	50
5	Cyclohexene, 1-ethyl-	110	C8H14	001453-24-3	40





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Acq On : 22 Dec 2016 16:41
Operator : UM/SJ
Sample : H6182-07
Misc :
ALS Vial : 56 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-52(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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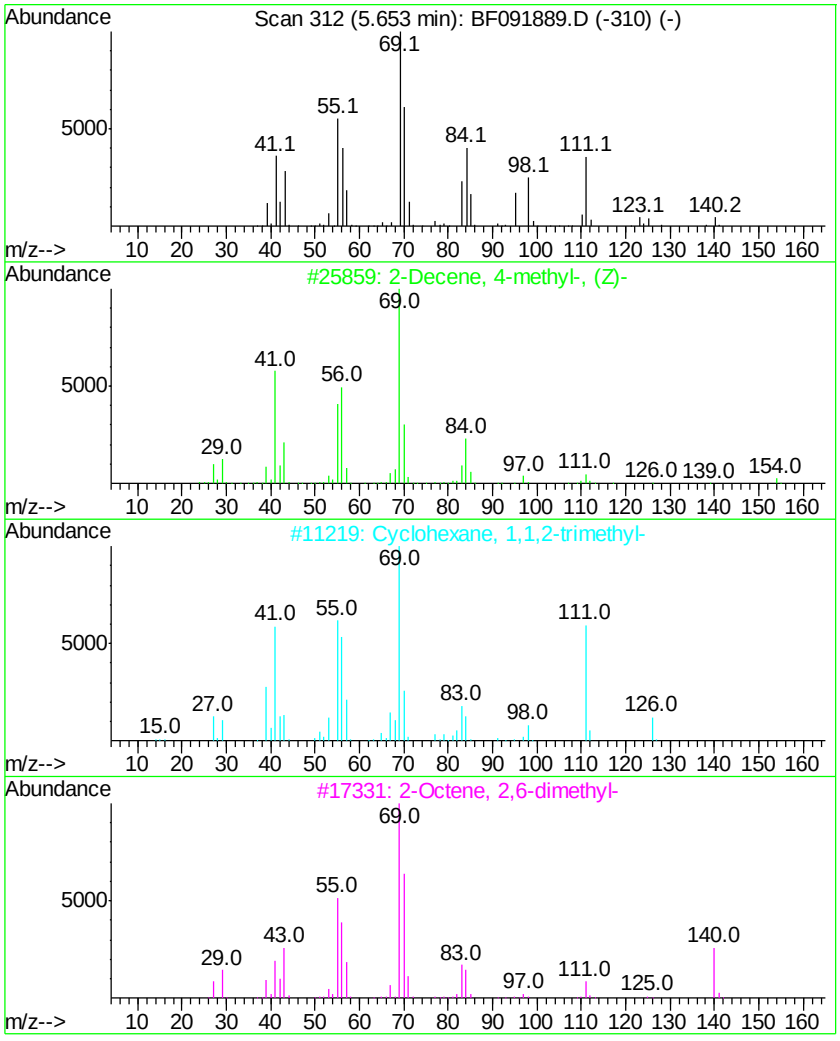
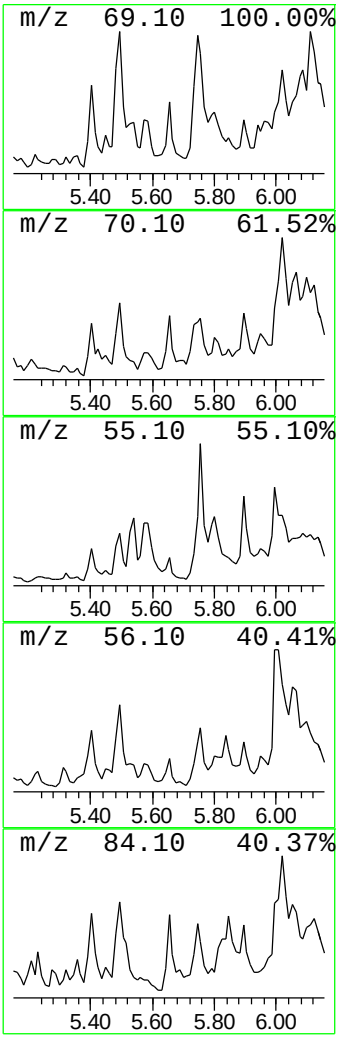
Peak Number 9 2-Decene, 4-methyl-, (Z)- Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.65	8.58 ng	2123440	1,4-Dichlorobenzene-d4	6.76

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Decene, 4-methyl-, (Z)-	154	C11H22	074630-30-1	53
2	Cyclohexane, 1,1,2-trimethyl-	126	C9H18	007094-26-0	50
3	2-Octene, 2,6-dimethyl-	140	C10H20	004057-42-5	50
4	(R)-(+)-3-Methylcyclopentanone	98	C6H10O	006672-30-6	43
5	Cyclopropane, 1,1-diethyl-	98	C7H14	001003-19-6	43





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Instrument : BNA_F
ClientSampleId : SB-52(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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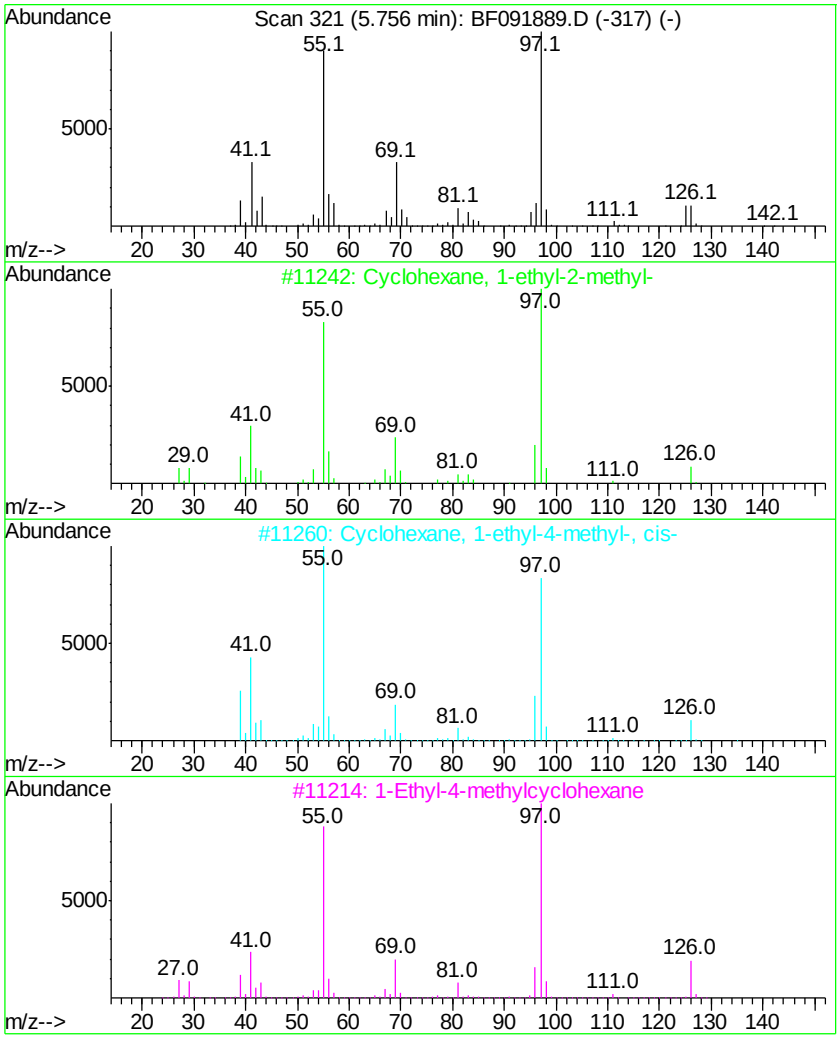
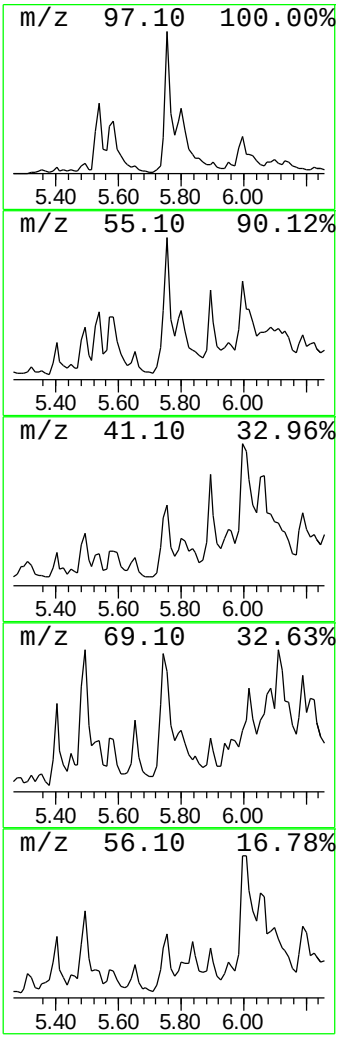
Peak Number 10 Cyclohexane, 1-ethyl-2-methyl- Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.76	44.48 ng	11014900	1,4-Dichlorobenzene-d4	6.76

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, 1-ethyl-2-methyl-	126	C9H18	003728-54-9	81
2	Cyclohexane, 1-ethyl-4-methyl-, ...	126	C9H18	004926-78-7	72
3	1-Ethyl-4-methylcyclohexane	126	C9H18	003728-56-1	72
4	Cyclohexane, 1-ethyl-2-methyl-, ...	126	C9H18	004923-77-7	59
5	3,5-Dimethyl-3-heptene	126	C9H18	059643-68-4	59





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Instrument : BNA_F
ClientSampleId : SB-52(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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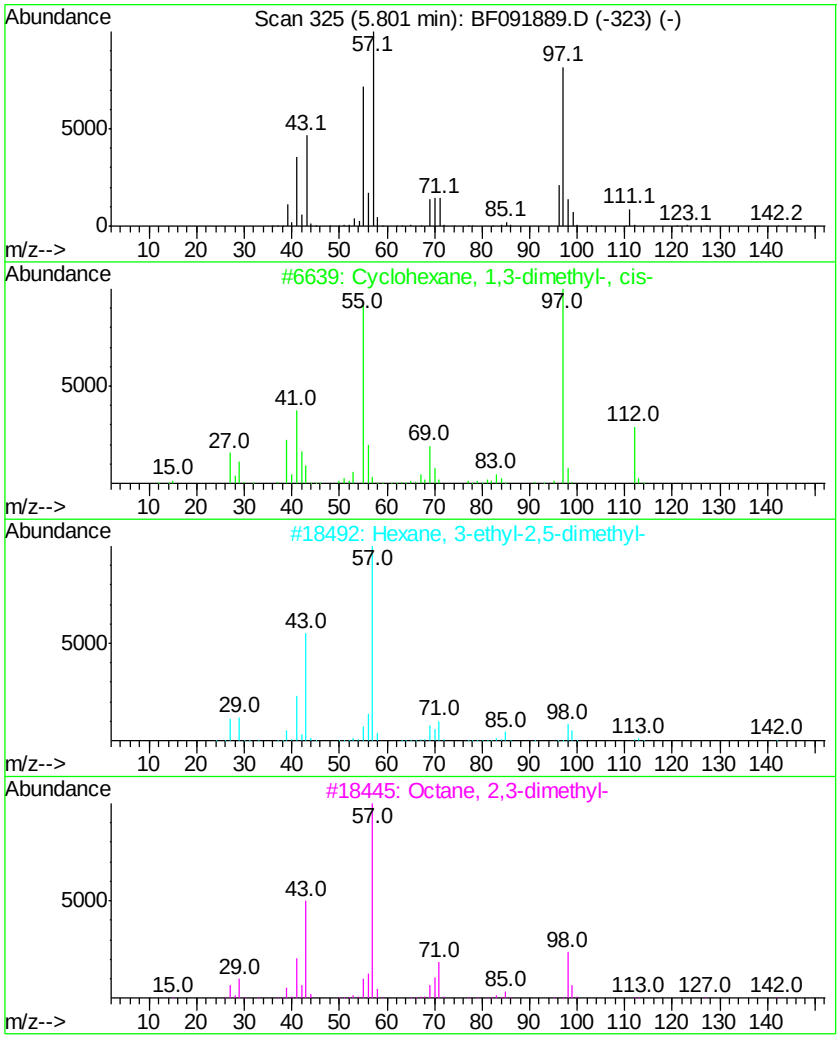
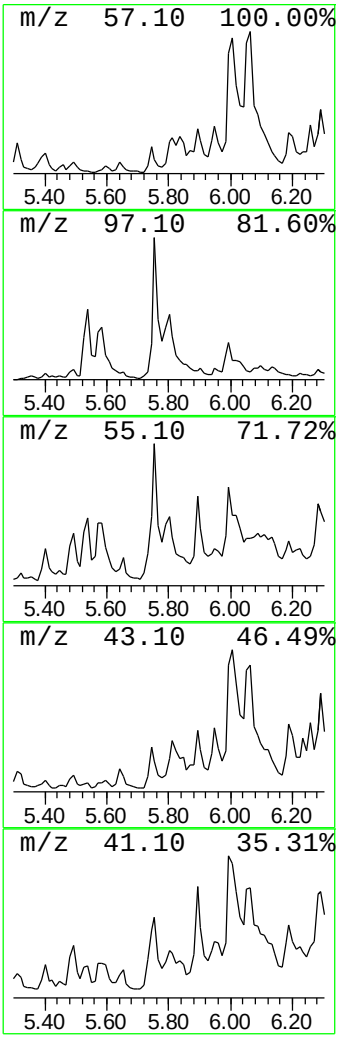
Peak Number 11 unknown5.80 Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.80	8.50 ng	2105970	1,4-Dichlorobenzene-d4	6.76

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, 1,3-dimethyl-, cis-	112	C8H16	000638-04-0	38
2	Hexane, 3-ethyl-2,5-dimethyl-	142	C10H22	052897-04-8	25
3	Octane, 2,3-dimethyl-	142	C10H22	007146-60-3	22
4	Heptane, 3-ethyl-	128	C9H20	015869-80-4	22
5	Decane, 2,5-dimethyl-	170	C12H26	017312-50-4	22





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ClientSampleId : SB-52(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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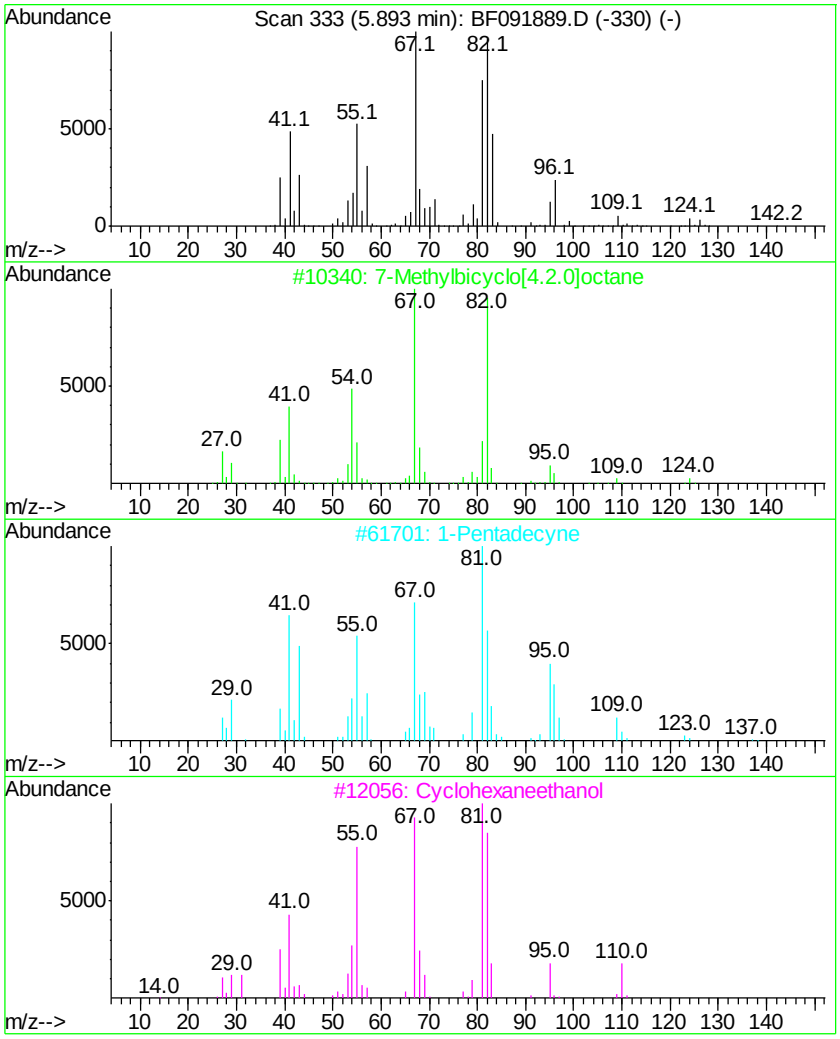
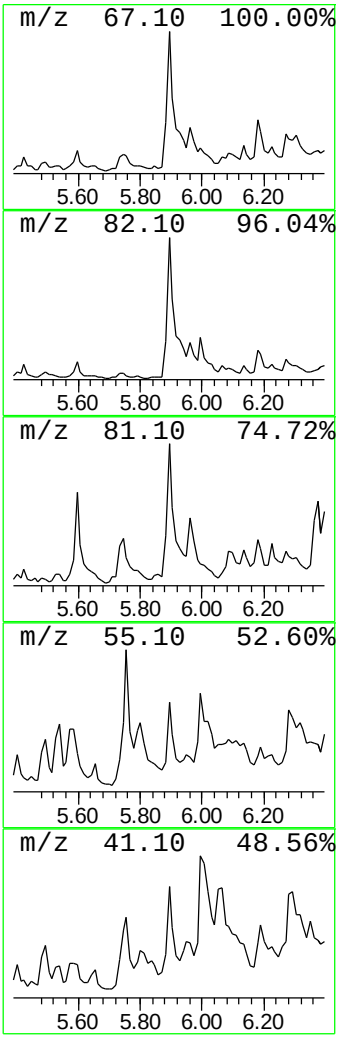
Peak Number 12 7-Methylbicyclo[4.2.0]octane Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.89	45.85 ng	11353200	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	53
2	1-Pentadecyne	208	C15H28	000765-13-9	43
3	Cyclohexaneethanol	128	C8H16O	004442-79-9	43
4	1,4-Pentadiene, 2-methyl-	82	C6H10	000763-30-4	38
5	1-Dodecyne	166	C12H22	000765-03-7	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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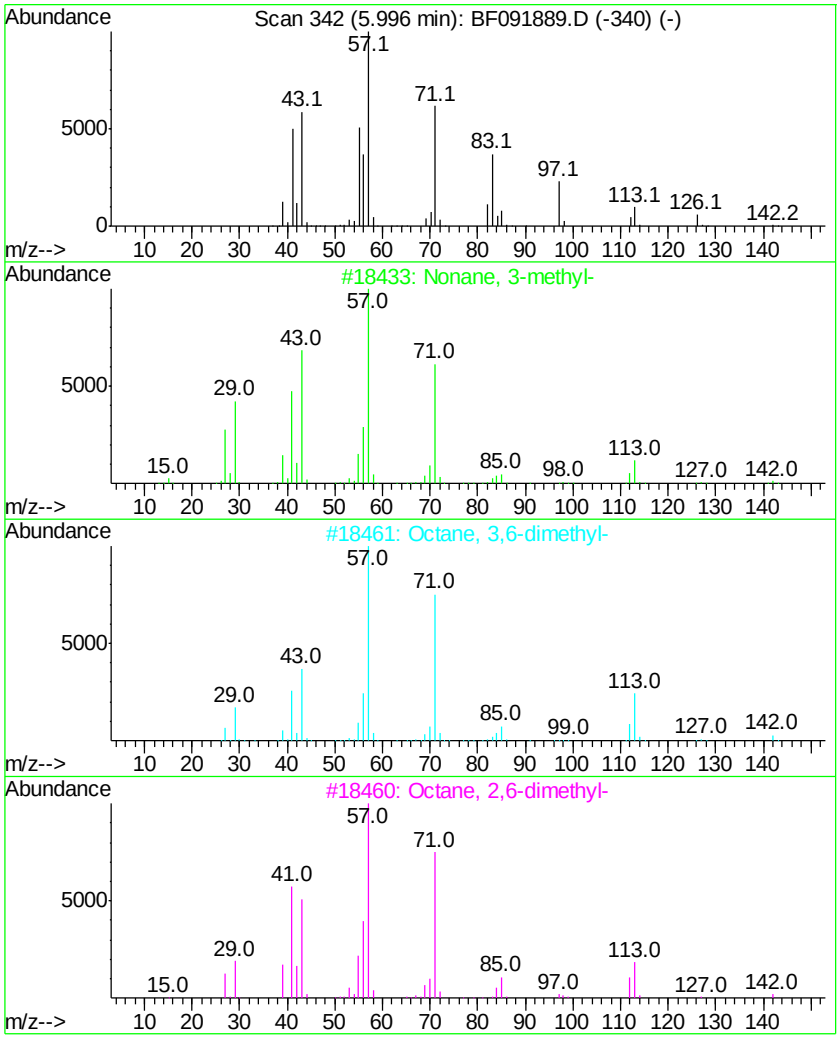
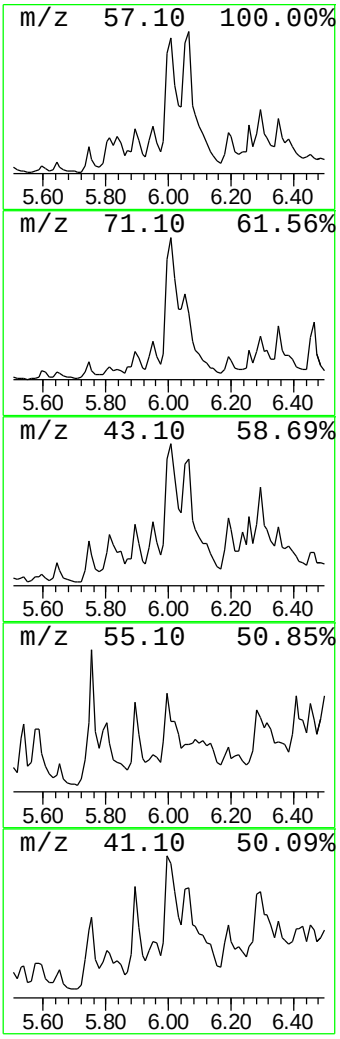
Peak Number 13 Nonane, 3-methyl- Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.00	44.16 ng	10933900	1,4-Dichlorobenzene-d4	6.76

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Nonane, 3-methyl-	142	C10H22	005911-04-6	58
2	Octane, 3,6-dimethyl-	142	C10H22	015869-94-0	53
3	Octane, 2,6-dimethyl-	142	C10H22	002051-30-1	53
4	Octane, 2,3,6-trimethyl-	156	C11H24	062016-33-5	47
5	Octane, 2-bromo-	192	C8H17Br	000557-35-7	38





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Misc :
ALS Vial : 56 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-52(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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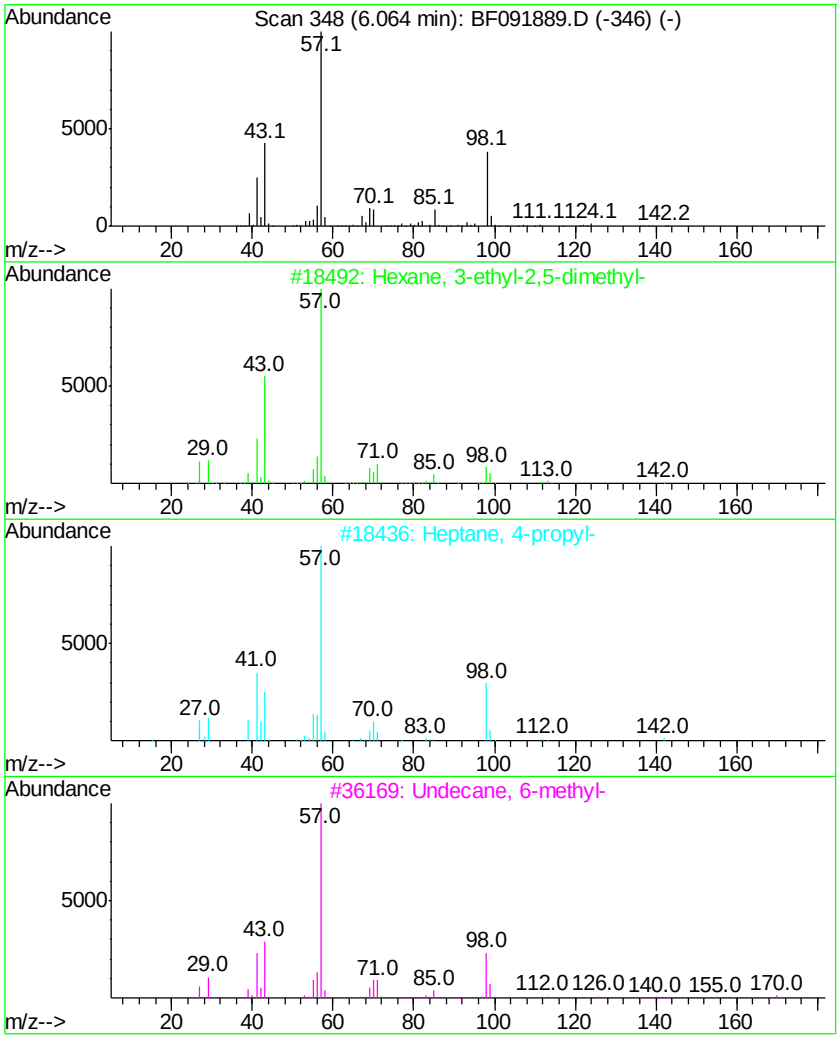
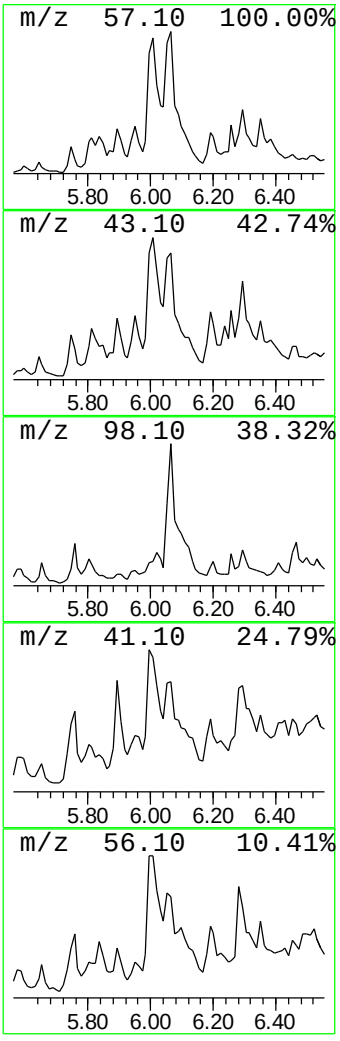
Peak Number 14 unknown6.06 Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.06	12.42 ng	3074730	1,4-Dichlorobenzene-d4	6.76

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexane, 3-ethyl-2,5-dimethyl-	142	C10H22	052897-04-8	46
2	Heptane, 4-propyl-	142	C10H22	003178-29-8	43
3	Undecane, 6-methyl-	170	C12H26	017302-33-9	40
4	Ether, tert-butyl isopropylidene...	154	C10H18O	024524-56-9	40
5	Heptane, 3-ethyl-2-methyl-	142	C10H22	014676-29-0	38





Library Search Compound Report

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Operator : UM/SJ
Sample : H6182-07
Misc :
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Instrument : BNA_F
ClientSampleId : SB-52(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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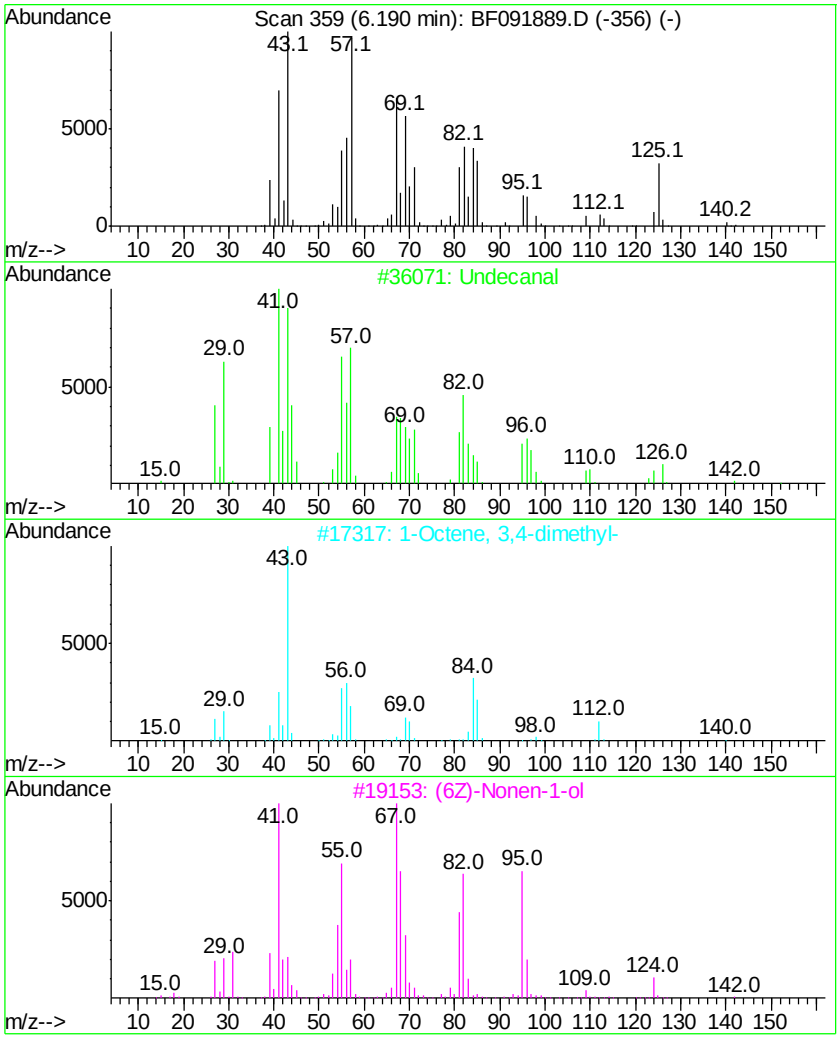
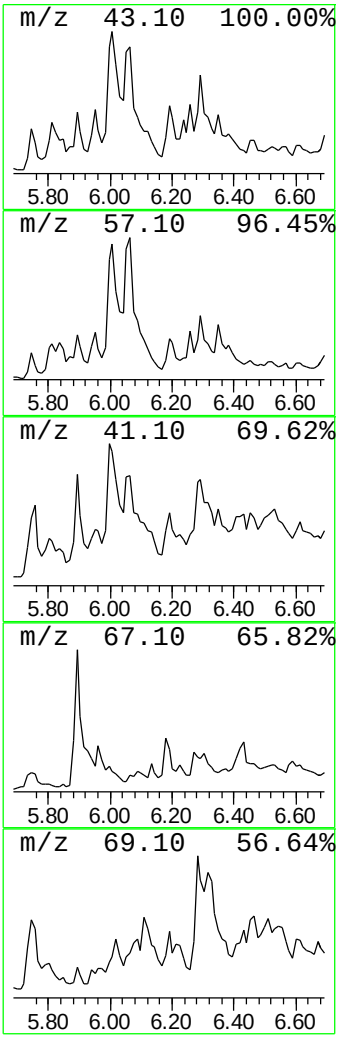
Peak Number 15 unknown6.19 Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.19	17.82 ng	4412620	1,4-Dichlorobenzene-d4	6.76

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Undecanal	170	C11H22O	000112-44-7	38
2	1-Octene, 3,4-dimethyl-	140	C10H20	056728-11-1	35
3	(6Z)-Nonen-1-ol	142	C9H18O	035854-86-5	25
4	Cyclopentane, (3-methylbutyl)-	140	C10H20	001005-68-1	18
5	Cyclohexene	82	C6H10	000110-83-8	18





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Misc :
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Instrument : BNA_F
ClientSampleId : SB-52(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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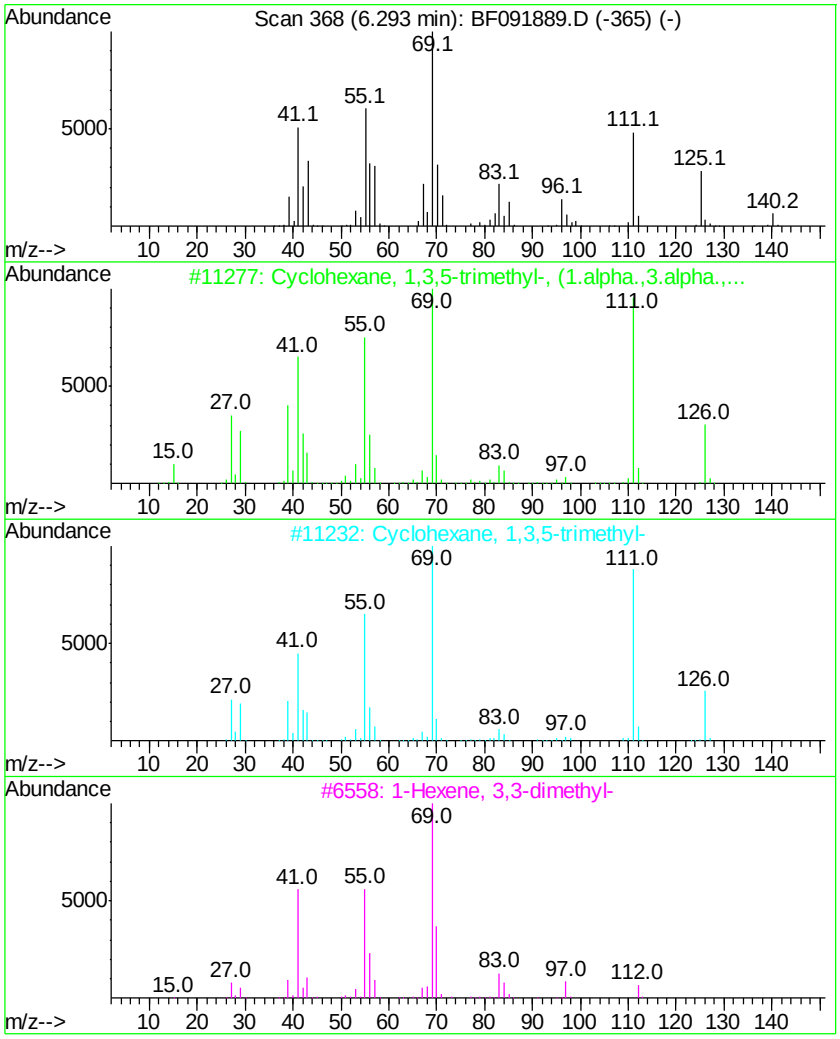
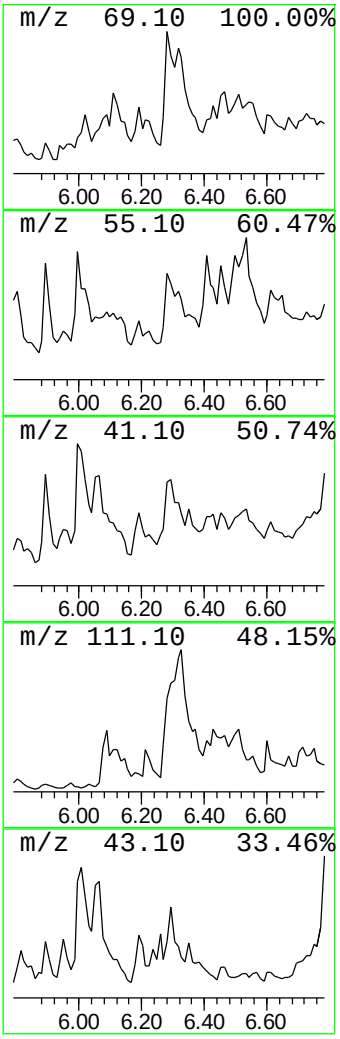
Peak Number 16 unknown6.29 Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.29	43.96 ng	10884400	1,4-Dichlorobenzene-d4	6.76

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, 1,3,5-trimethyl-, (...	126	C9H18	001795-26-2	47
2	Cyclohexane, 1,3,5-trimethyl-	126	C9H18	001839-63-0	46
3	1-Hexene, 3,3-dimethyl-	112	C8H16	003404-77-1	43
4	Cyclooctanemethanol	142	C9H18O	003637-63-6	43
5	Heptane, 4-methylene-	112	C8H16	015918-08-8	43





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ClientSampleId : SB-52(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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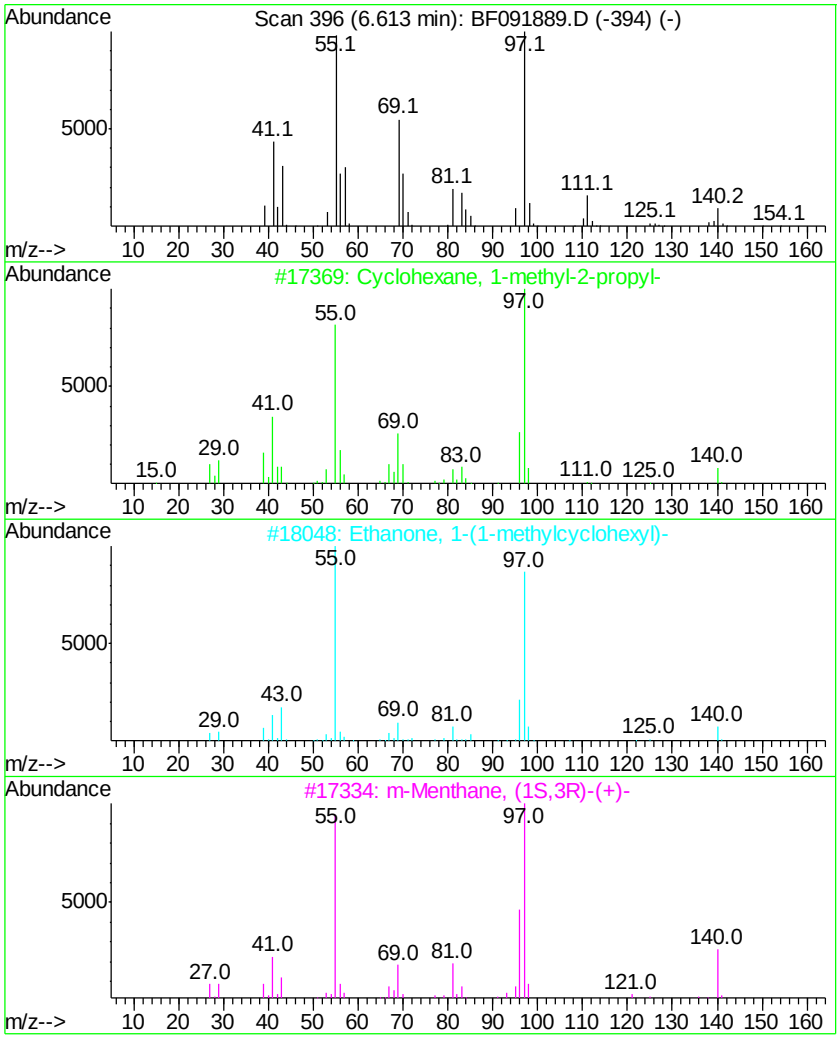
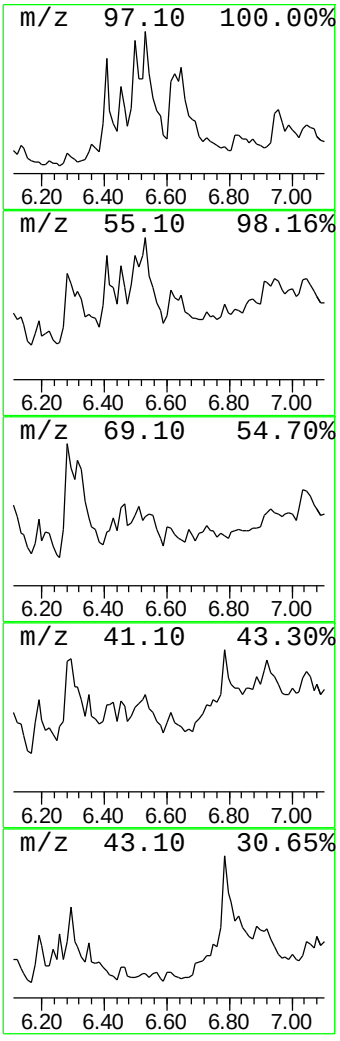
Peak Number 17 Cyclohexane, 1-methyl-2-pro... Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.61	9.59 ng	2375580	1,4-Dichlorobenzene-d4	6.76

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, 1-methyl-2-propyl-	140	C10H20	004291-79-6	59
2	Ethanone, 1-(1-methylcyclohexyl)-	140	C9H16O	002890-62-2	58
3	m-Menthane, (1S,3R)-(+)-	140	C10H20	013837-66-6	52
4	Cyclohexane, 1,1-dimethyl-	112	C8H16	000590-66-9	52
5	1-Methyl-4-(1-methylethyl)-cyclo...	140	C10H20	000099-82-1	52





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ClientSampleId : SB-52(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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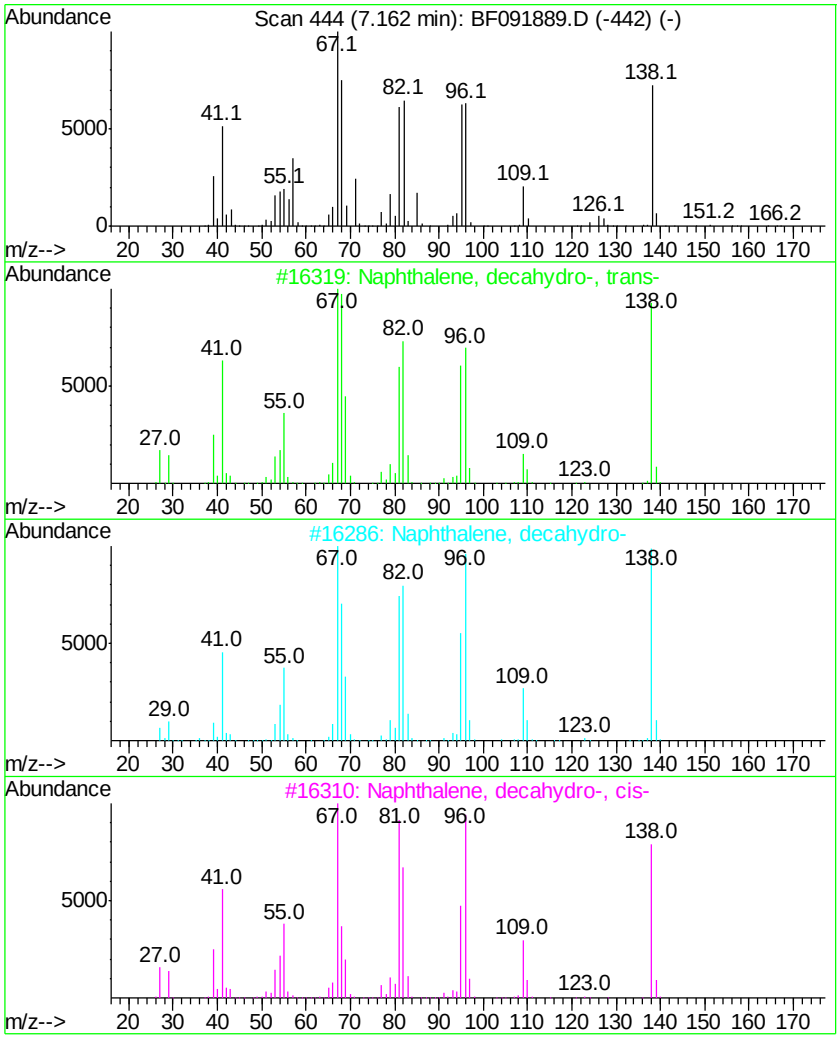
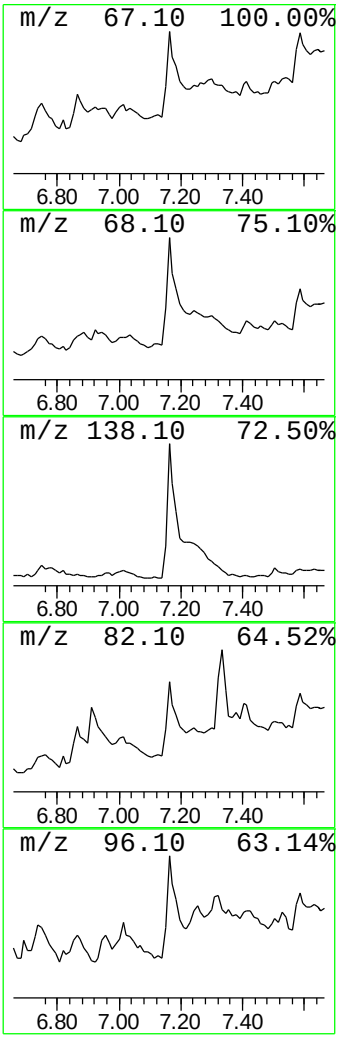
Peak Number 19 Naphthalene, decahydro-, tr... Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.16	31.04 ng	7685360	1,4-Dichlorobenzene-d4	6.76

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, decahydro-, trans-	138	C10H18	000493-02-7	93
2	Naphthalene, decahydro-	138	C10H18	000091-17-8	87
3	Naphthalene, decahydro-, cis-	138	C10H18	000493-01-6	64
4	Cyclohexene, 1-methyl-4-(1-methy...	138	C10H18	001195-31-9	62
5	Bicyclo[4.1.0]heptane, 2-methyl-	110	C8H14	041977-46-2	58





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

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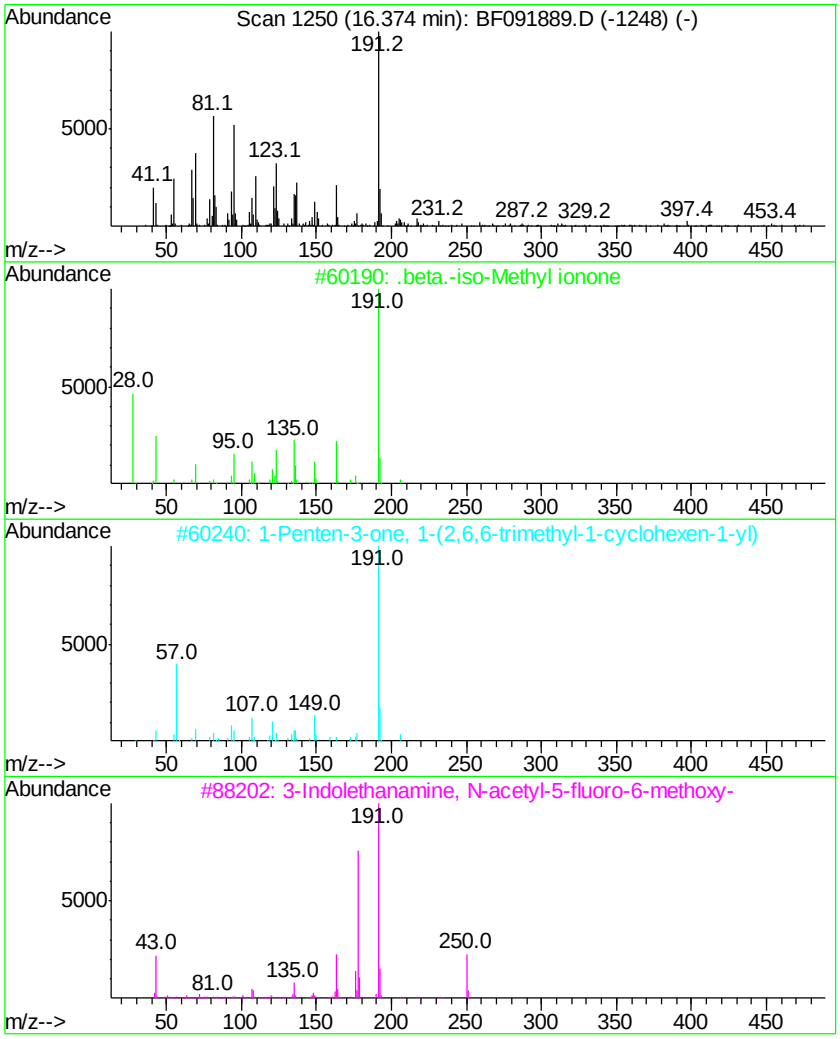
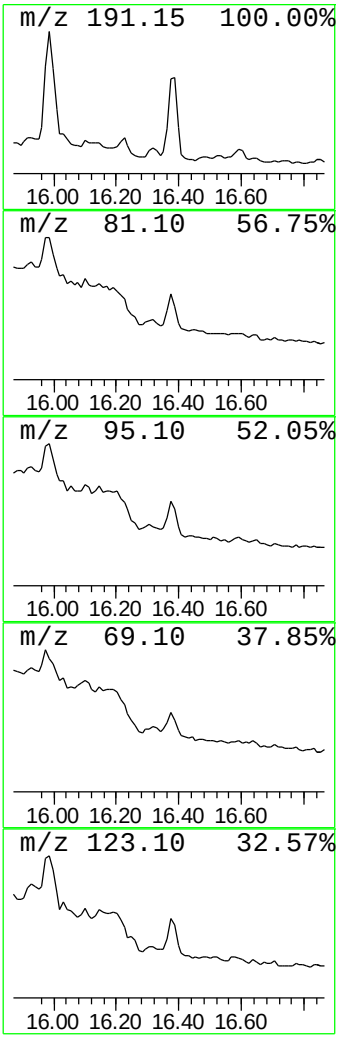
Peak Number 20 .beta.-iso-Methyl ionone Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.37	20.00 ng	864776	Perylene-d12	15.36

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	.beta.-iso-Methyl ionone	206	C14H22O	1000285-40-2	58
2	1-Penten-3-one, 1-(2,6,6-trimeth...	206	C14H22O	000127-43-5	45
3	3-Indolethanamine, N-acetyl-5-fl...	250	C13H15FN2O2	1000116-27-1	38
4	Anthracene, 9-cyclohexyltetradec...	274	C20H34	055255-70-4	38
5	1,1-Dithiophenyl-2-ethyl-cyclobu...	300	C18H20S2	122732-87-0	38





Tentatively Identified Compound (LSC) summary

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Data File : BF091889.D
Acq On : 22 Dec 2016 16:41
Operator : UM/SJ
Sample : H6182-07
Misc :
ALS Vial : 56 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-52(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
Cyclohexane, 1,2-...	4.26	12.7	ng	3135930	1	6.76	4952370	20.0
Heptane, 2,6-dime...	4.73	15.1	ng	3732090	1	6.76	4952370	20.0
unknown4.82	4.82	17.6	ng	4350810	1	6.76	4952370	20.0
Cyclohexane, 1,1,...	4.89	16.4	ng	4065280	1	6.76	4952370	20.0
1,1,4-Trimethylcy...	4.93	8.9	ng	2213640	1	6.76	4952370	20.0
Cyclohexane, 1,2,...	5.10	13.5	ng	3351200	1	6.76	4952370	20.0
Cyclohexane, 1,1,...	5.49	15.7	ng	3890560	1	6.76	4952370	20.0
Cyclohexene, 3-me...	5.60	16.4	ng	4074290	1	6.76	4952370	20.0
2-Decene, 4-methy...	5.65	8.6	ng	2123440	1	6.76	4952370	20.0
Cyclohexane, 1-et...	5.76	44.5	ng	11014900	1	6.76	4952370	20.0
unknown5.80	5.80	8.5	ng	2105970	1	6.76	4952370	20.0
7-Methylbicyclo[4...	5.89	45.9	ng	11353200	1	6.76	4952370	20.0
Nonane, 3-methyl-	6.00	44.2	ng	10933900	1	6.76	4952370	20.0
unknown6.06	6.06	12.4	ng	3074730	1	6.76	4952370	20.0
unknown6.19	6.19	17.8	ng	4412620	1	6.76	4952370	20.0
unknown6.29	6.29	44.0	ng	10884400	1	6.76	4952370	20.0
Cyclohexane, 1-me...	6.61	9.6	ng	2375580	1	6.76	4952370	20.0
Naphthalene, deca...	7.16	31.0	ng	7685360	1	6.76	4952370	20.0
.beta.-iso-Methyl...	16.37	20.0	ng	864776	6	15.36	864776	20.0