LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA F\DATA\BF121915\
Data File : BF083919.D
Acq On : 18 Dec 2015 18:08
Operator : UM/SJ
Sample : G4815-01 20X
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : LAR-9871

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-BF121815.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	6.362	372	374	376	rBV	261219	364561	3.60%	0.511%
2	6.396	376	377	381	rVB	166310	277202	2.74%	0.389%
3	6.464	381	383	384	rBV	250167	256750	2.54%	0.360%
4	6.487	384	385	389	rVB3	83245	149356	1.48%	0.209%
5	6.556	389	391	394	rVB2	146685	209362	2.07%	0.294%
6	6.613	394	396	397	rBV	145301	222224	2.20%	0.312%
7	6.647	397	399	402	rBV3	99122	146711	1.45%	0.206%
8	6.716	402	405	407	rVB	1363168	1717692	16.98%	2.409%
9	6.819	407	414	415	rBV3	220322	371386	3.67%	0.521%
10	6.864	415	418	419	rBV	652324	747894	7.39%	1.049%
11	6.899	419	421	422	rVB	1004577	1039826	10.28%	1.458%
12	6.933	422	424	426	rBV	414026	614369	6.07%	0.861%
13	6.967	426	427	428	rVB	183803	126089	1.25%	0.177%
14	7.024	428	432	434	rBV2	901090	1799341	17.79%	2.523%
15	7.059	434	435	436	rVB	303859	208447	2.06%	0.292%
16	7.116	436	440	441	rBV2	350247	791415	7.82%	1.110%
17	7.162	441	444	445	rVV2	1291698	1956057	19.34%	2.743%
18	7.196	445	447	448	rVV	1016369	1125959	11.13%	1.579%
19	7.230	448	450	452	rVV	1853586	2271680	22.46%	3.185%
20	7.276	452	454	455	rVV	1920054	2222670	21.97%	3.117%
21	7.322	455	458	461	rVV3	632938	1424501	14.08%	1.997%
22	7.424	463	467	469	rVV3	1148056	2803676	27.72%	3.931%
23	7.505	469	474	476	rVV	4619081	10115737	100.00%	14.184%
24	7.539	476	477	479	rVV	1000655	1318198	13.03%	1.848%
25	7.607	479	483	484	rVV2	1311561	3306376	32.69%	4.636%
26	7.676	484	489	492	rVV5	1519608	5530203	54.67%	7.754%
27	7.790	495	499	502	rVV3	1588578	3962586	39.17%	5.556%
28	7.859	502	505	506	rVV	1937719	3037635	30.03%	4.259%
29	7.893	506	508	509	rVV	1744279	2142926	21.18%	3.005%
30	7.927	509	511	512	rVV	2517995	2949237	29.15%	4.135%
31	7.973	512	515	519	rVB2	1427254	3010569	29.76%	4.221%
32	8.122	526	528	529	rBV2	346999	440042	4.35%	0.617%
33	8.167	529	532	534	rVV2	4088204	6423248	63.50%	9.007%
34	8.236	534	538	539	rVB3	971759	1811009	17.90%	2.539%

LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA F\DATA\BF121915\
Data File : BF083919.D
Acq On : 18 Dec 2015 18:08
Operator : UM/SJ
Sample : G4815-01 20X
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : LAR-9871

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-BF121815.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

35	8.259	539	540	544	rVB2	651710	965508	9.54%	1.354%
36	8.316	544	545	548	rVB2	223568	230865	2.28%	0.324%
37	8.453	554	557	560	rBV3	574792	1100850	10.88%	1.544%
38	8.510	560	562	563	rVB	273813	312109	3.09%	0.438%
39	8.533	563	564	566	rVB	329594	405399	4.01%	0.568%
40	8.579	566	568	571	rVB	484686	447810	4.43%	0.628%
41	8.750	581	583	585	rVB	642453	542183	5.36%	0.760%
42	9.905	681	684	686	rBV	688485	612909	6.06%	0.859%
43	11.391	811	814	816	rBV	518199	606266	5.99%	0.850%
44	14.019	1042	1044	1047	rBV	615489	670797	6.63%	0.941%
45	15.460	1168	1170	1173	rBV	397951	526853	5.21%	0.739%

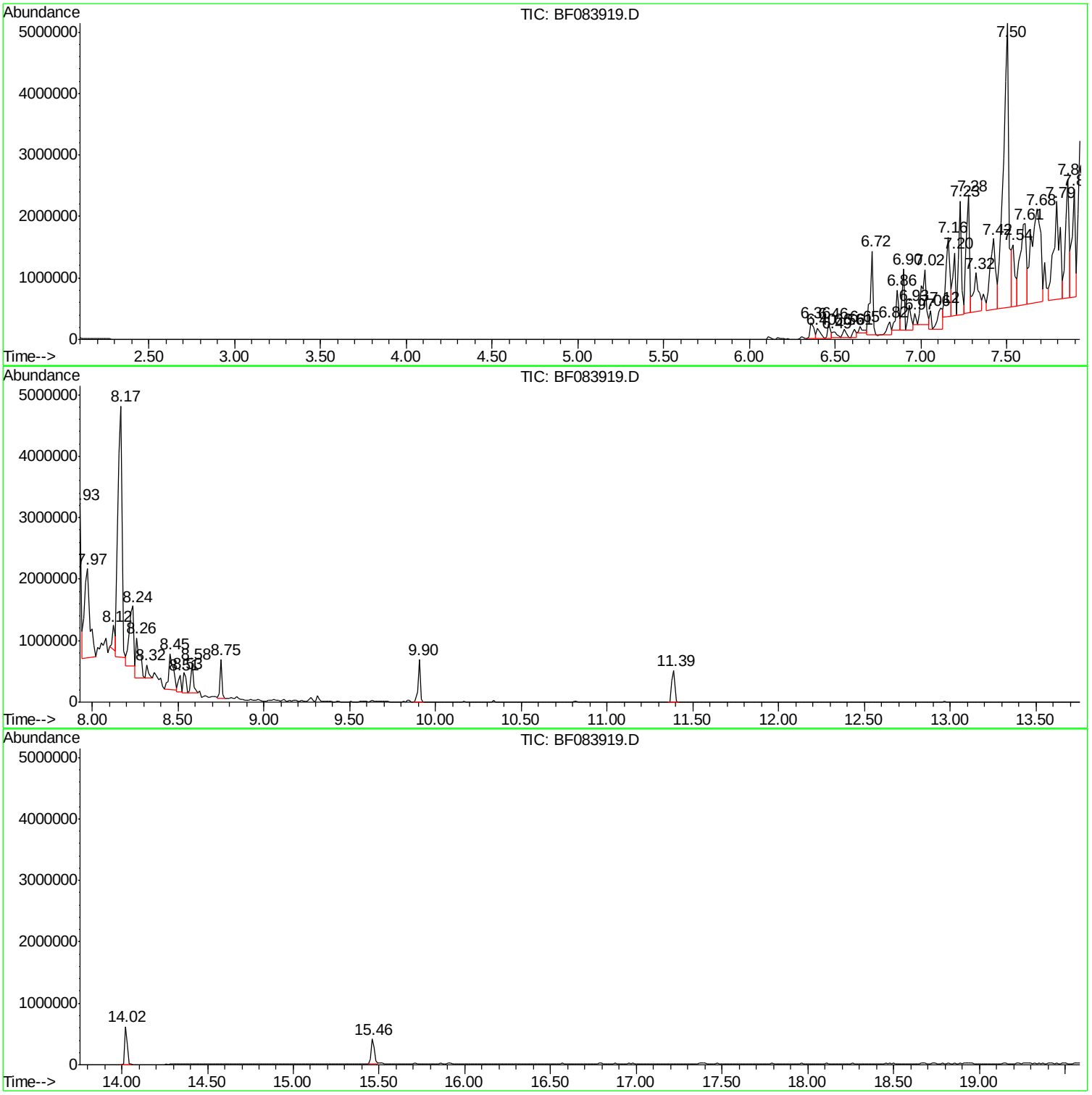
Sum of corrected areas: 71316483

Data Path : Z:\HPCHEM1\BNA F\DATA\BF121915\
Data File : BF083919.D
Acq On : 18 Dec 2015 18:08
Operator : UM/SJ
Sample : G4815-01 20X
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : LAR-9871

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF121815.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\BF121915\
Data File : BF083919.D
Acq On : 18 Dec 2015 18:08
Operator : UM/SJ
Sample : G4815-01 20X
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : LAR-9871

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF121815.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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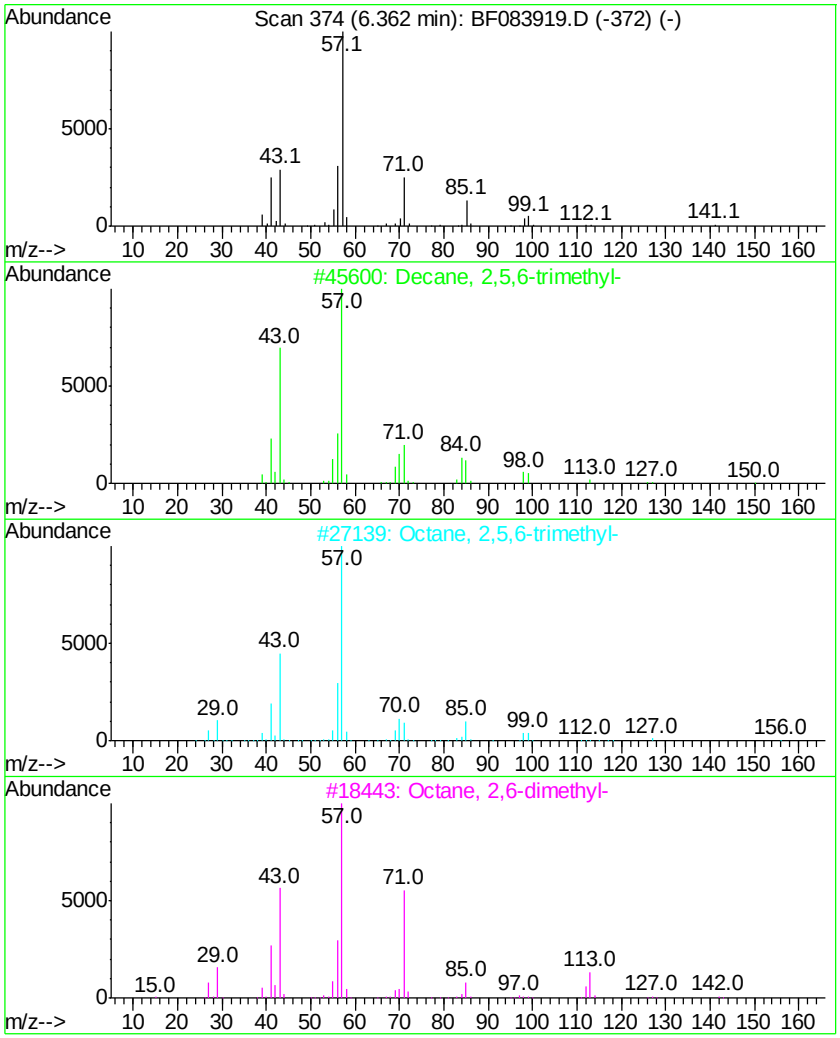
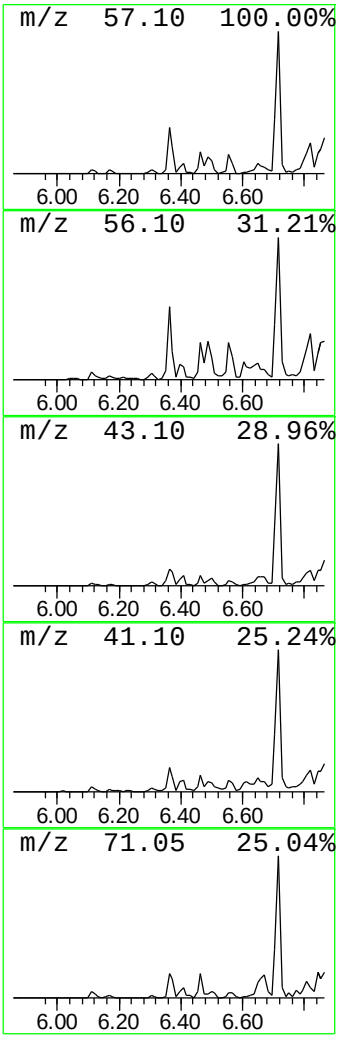
Peak Number 1 Decane, 2,5,6-trimethyl- Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.36	9.75 ng	364561	1,4-Dichlorobenzene-d4	6.86

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Decane, 2,5,6-trimethyl-	184	C13H28	062108-23-0	72
2	Octane, 2,5,6-trimethyl-	156	C11H24	062016-14-2	59
3	Octane, 2,6-dimethyl-	142	C10H22	002051-30-1	59
4	Octane, 2,2,6-trimethyl-	156	C11H24	062016-28-8	59
5	Undecane, 2,6-dimethyl-	184	C13H28	017301-23-4	59





Data Path : Z:\HPCHEM1\BNA F\DATA\BF121915\
Data File : BF083919.D
Acq On : 18 Dec 2015 18:08
Operator : UM/SJ
Sample : G4815-01 20X
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : LAR-9871

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF121815.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

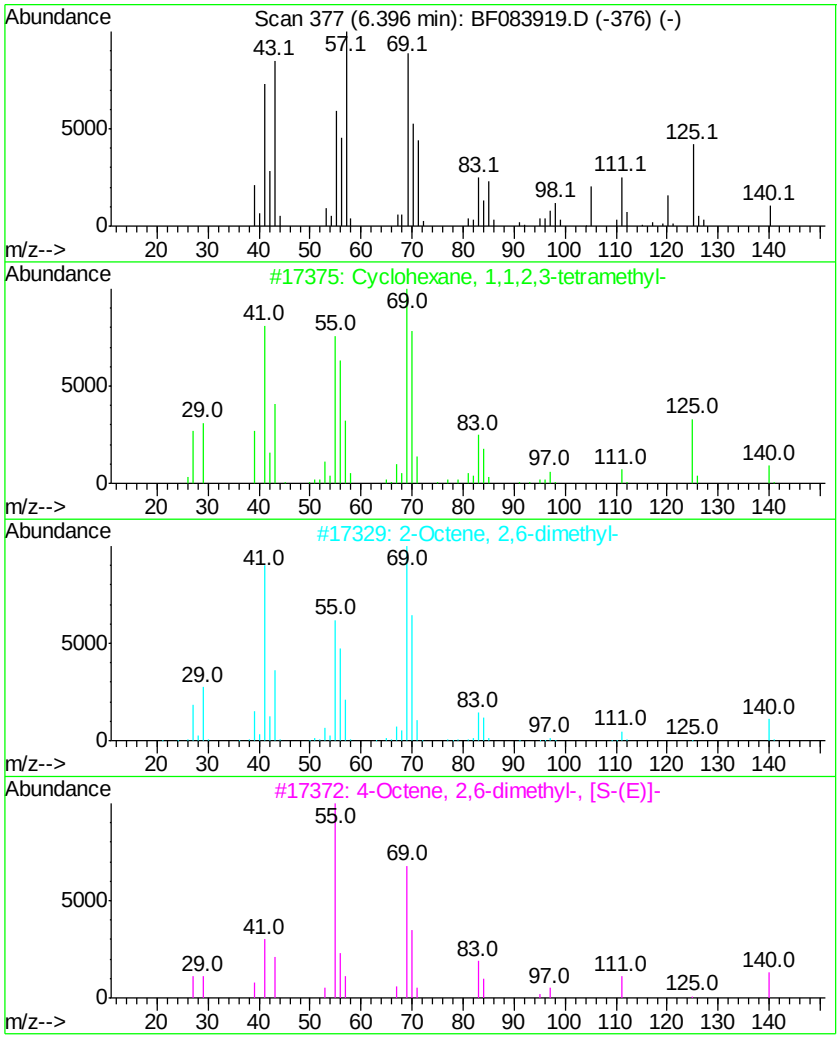
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

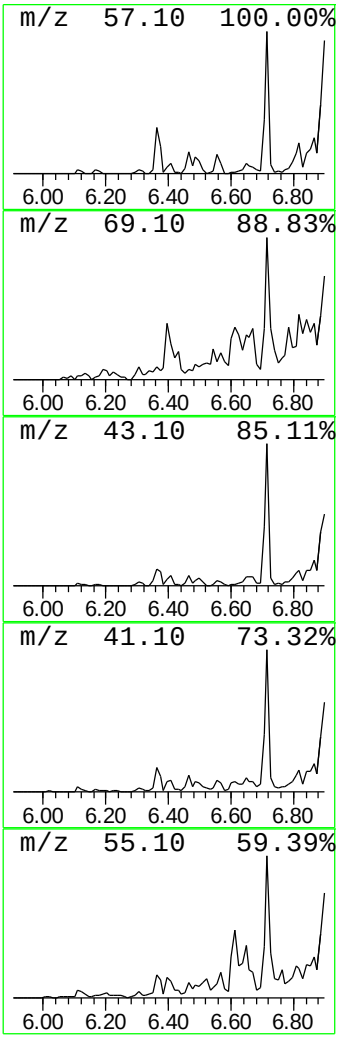
****

Peak Number 2 Cyclohexane, 1,1,2,3-tetram... Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.40	7.41 ng	277202	1,4-Dichlorobenzene-d4	6.86

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, 1,1,2,3-tetramethyl-	140	C10H20	006783-92-2	64
2	2-Octene, 2,6-dimethyl-	140	C10H20	004057-42-5	49
3	4-Octene, 2,6-dimethyl-, [S-(E)]-	140	C10H20	062960-76-3	38
4	4-Nonene, 2-methyl-	140	C10H20	055724-84-0	38
5	Cyclohexane, 1,1,2-trimethyl-	126	C9H18	007094-26-0	38





Data Path : Z:\HPCHEM1\BNA F\DATA\BF121915\
Data File : BF083919.D
Acq On : 18 Dec 2015 18:08
Operator : UM/SJ
Sample : G4815-01 20X
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : LAR-9871

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF121815.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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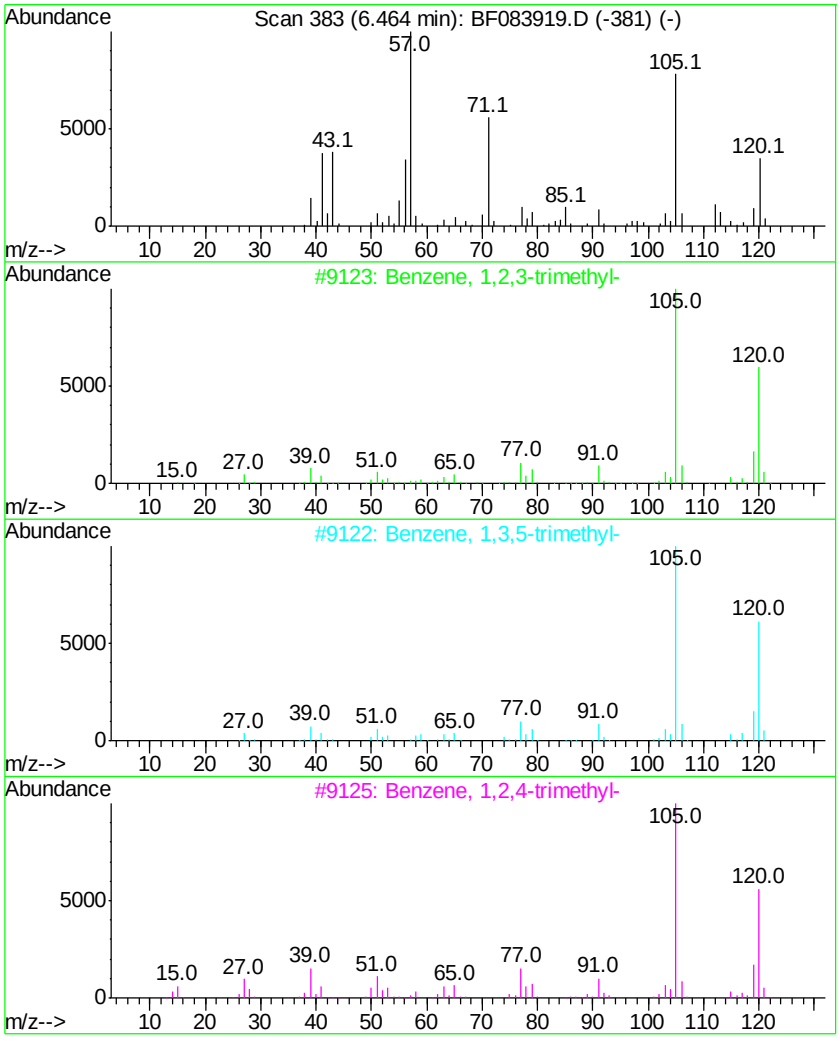
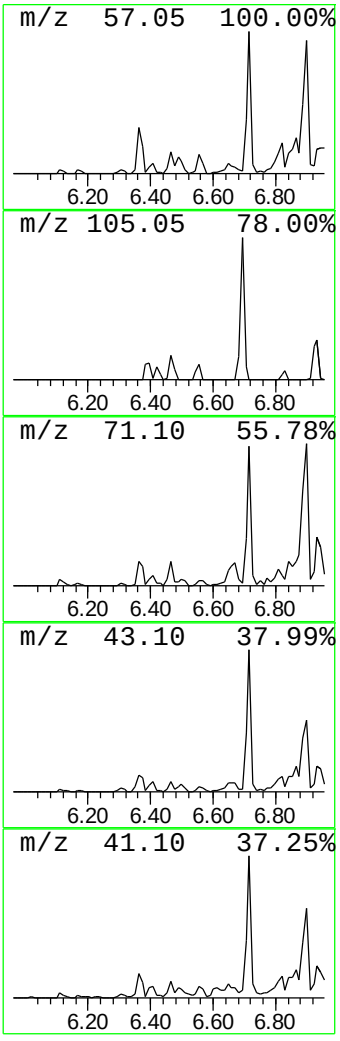
Peak Number 3 Benzene, 1,2,3-trimethyl- Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.46	6.87 ng	256750	1,4-Dichlorobenzene-d4	6.86

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1,2,3-trimethyl-	120	C9H12	000526-73-8	78
2	Benzene, 1,3,5-trimethyl-	120	C9H12	000108-67-8	70
3	Benzene, 1,2,4-trimethyl-	120	C9H12	000095-63-6	70
4	Octane, 2,6-dimethyl-	142	C10H22	002051-30-1	47
5	Benzene, 1-ethyl-3-methyl-	120	C9H12	000620-14-4	35





Data Path : Z:\HPCHEM1\BNA F\DATA\BF121915\
Data File : BF083919.D
Acq On : 18 Dec 2015 18:08
Operator : UM/SJ
Sample : G4815-01 20X
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : LAR-9871

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF121815.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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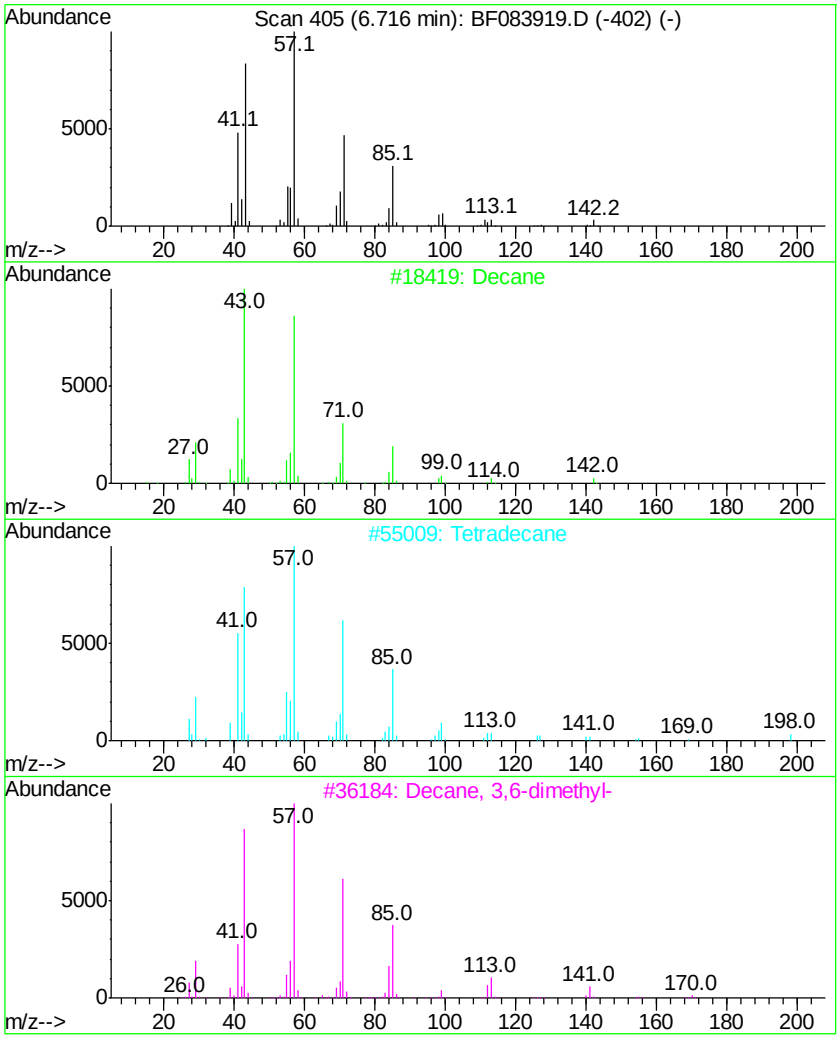
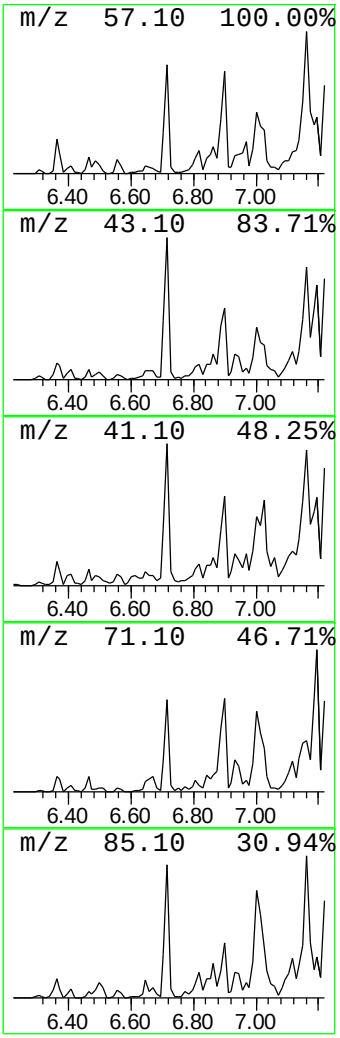
Peak Number 4 Decane Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.72	45.93 ng	1717690	1,4-Dichlorobenzene-d4	6.86

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Decane	142	C10H22	000124-18-5	93
2	Tetradecane	198	C14H30	000629-59-4	90
3	Decane, 3,6-dimethyl-	170	C12H26	017312-53-7	72
4	1-Iodo-2-methylundecane	296	C12H25I	073105-67-6	64
5	Ether, hexyl pentyl	172	C11H24O	032357-83-8	64





Data Path : Z:\HPCHEM1\BNA F\DATA\BF121915\
Data File : BF083919.D
Acq On : 18 Dec 2015 18:08
Operator : UM/SJ
Sample : G4815-01 20X
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : LAR-9871

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF121815.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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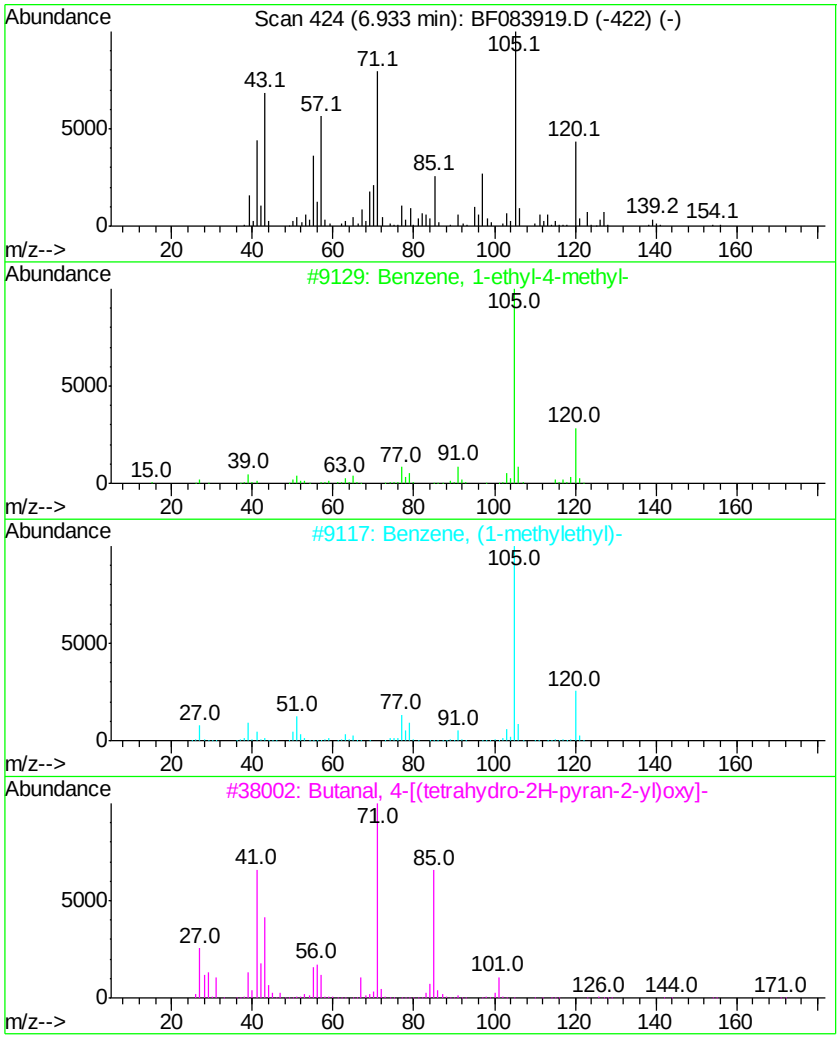
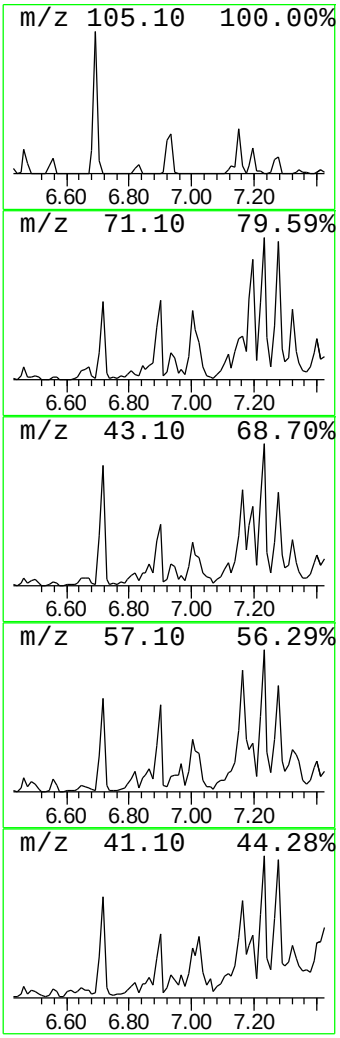
Peak Number 5 unknown6.93 Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.93	16.43 ng	614369	1,4-Dichlorobenzene-d4	6.86

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-ethyl-4-methyl-	120	C9H12	000622-96-8	35
2	Benzene, (1-methylethyl)-	120	C9H12	000098-82-8	35
3	Butanal, 4-[(tetrahydro-2H-pyran...	172	C9H16O3	054911-85-2	27
4	Butane, 1-bromo-2-methyl-	150	C5H11Br	010422-35-2	27
5	Benzene, 1,2,4-trimethyl-	120	C9H12	000095-63-6	25





Data Path : Z:\HPCHEM1\BNA F\DATA\BF121915\
Data File : BF083919.D
Acq On : 18 Dec 2015 18:08
Operator : UM/SJ
Sample : G4815-01 20X
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : LAR-9871

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF121815.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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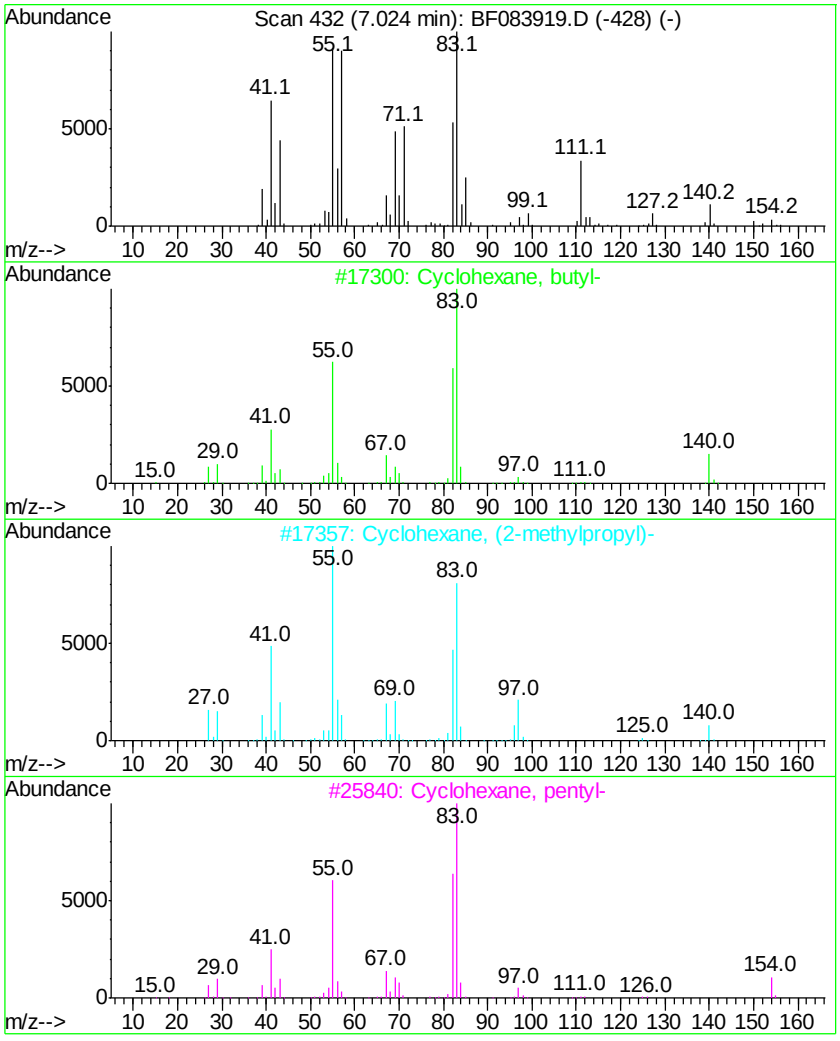
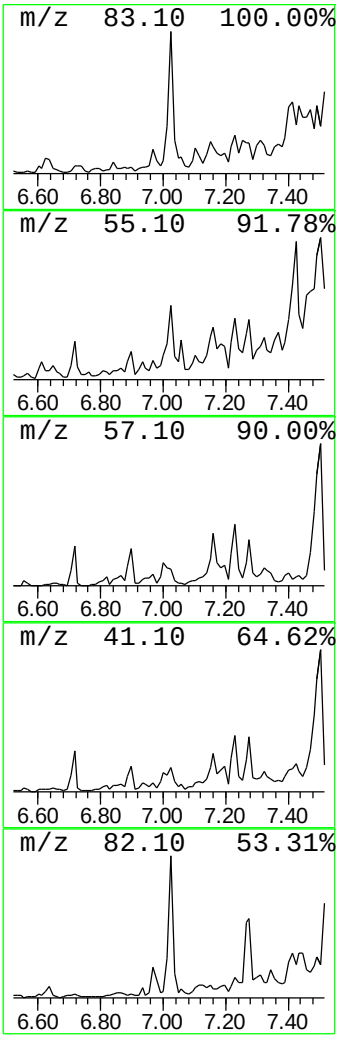
Peak Number 6 Cyclohexane, butyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.02	48.12 ng	1799340	1,4-Dichlorobenzene-d4	6.86

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, butyl-	140	C10H20	001678-93-9	53
2	Cyclohexane, (2-methylpropyl)-	140	C10H20	001678-98-4	52
3	Cyclohexane, pentyl-	154	C11H22	004292-92-6	49
4	Cyclohexanone, 3,3,5-trimethyl-	140	C9H16O	000873-94-9	41
5	Cyclohexane, 2-propenyl-	124	C9H16	002114-42-3	38





Data Path : Z:\HPCHEM1\BNA F\DATA\BF121915\
Data File : BF083919.D
Acq On : 18 Dec 2015 18:08
Operator : UM/SJ
Sample : G4815-01 20X
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : LAR-9871

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF121815.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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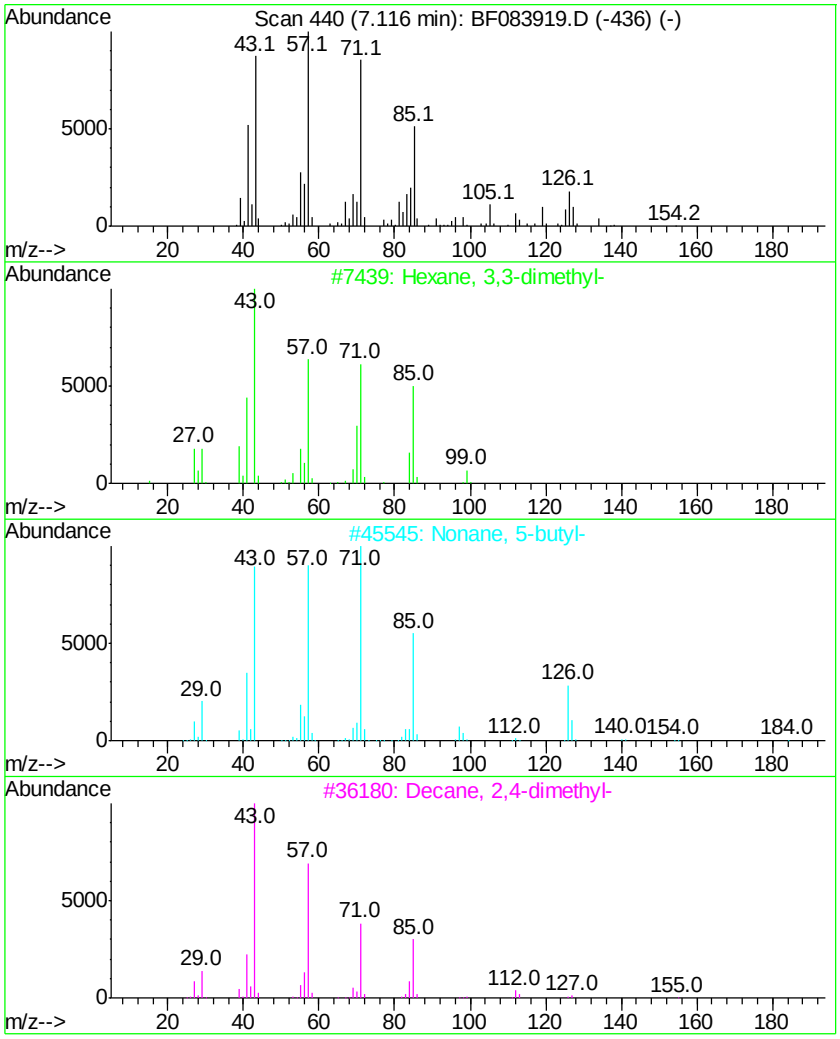
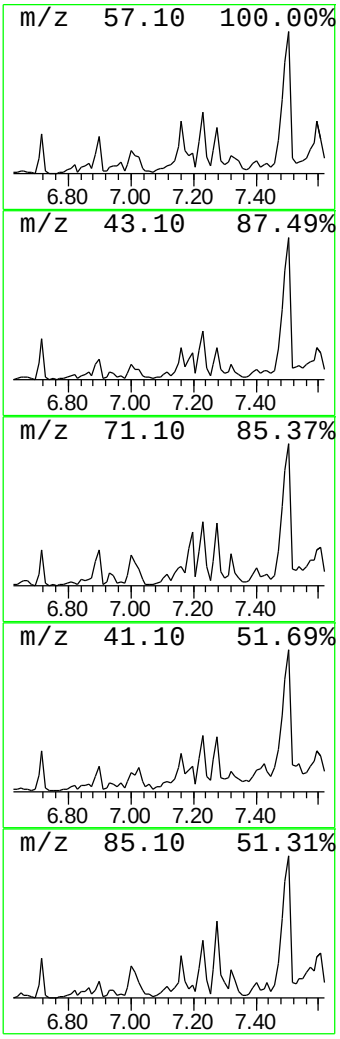
Peak Number 7 Hexane, 3,3-dimethyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.12	21.16 ng	791415	1,4-Dichlorobenzene-d4	6.86

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexane, 3,3-dimethyl-	114	C8H18	000563-16-6	64
2	Nonane, 5-butyl-	184	C13H28	017312-63-9	64
3	Decane, 2,4-dimethyl-	170	C12H26	002801-84-5	64
4	Nonadecane	268	C19H40	000629-92-5	59
5	Nonane, 5-(2-methylpropyl)-	184	C13H28	062185-53-9	59





Data Path : Z:\HPCHEM1\BNA F\DATA\BF121915\
Data File : BF083919.D
Acq On : 18 Dec 2015 18:08
Operator : UM/SJ
Sample : G4815-01 20X
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : LAR-9871

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF121815.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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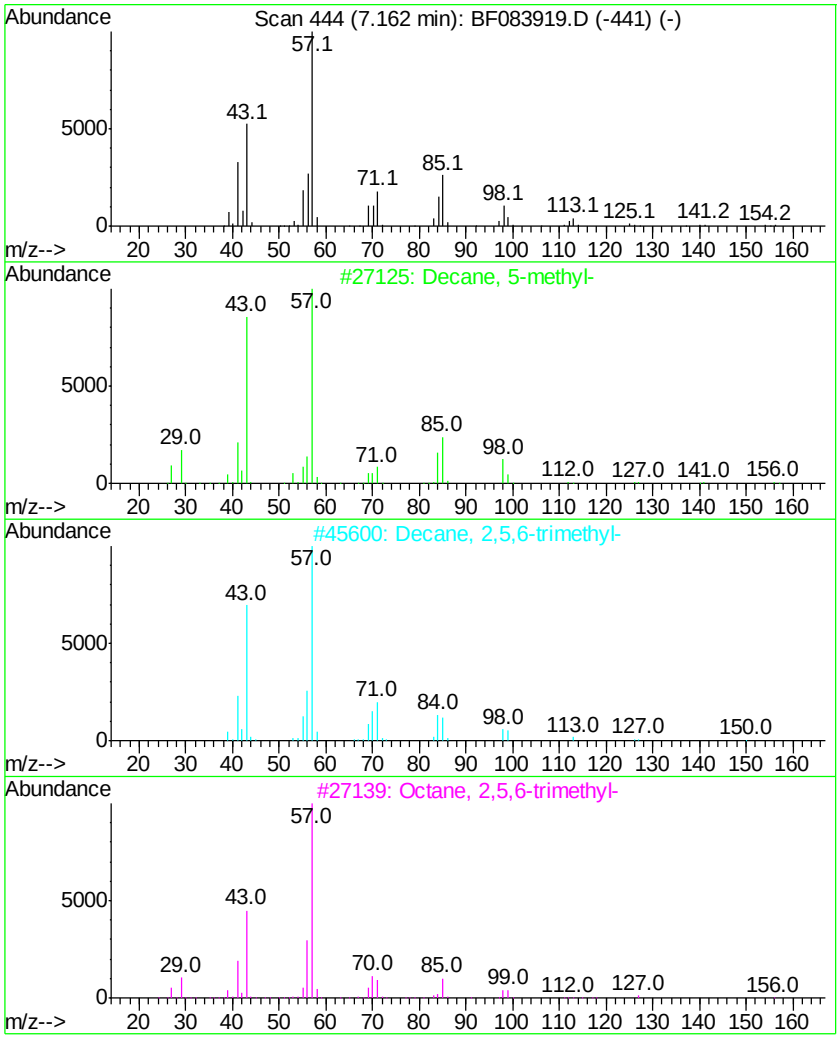
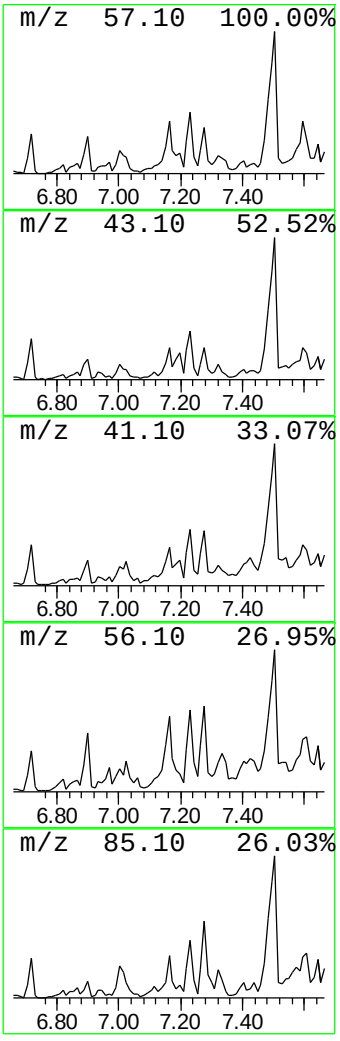
Peak Number 8 Decane, 5-methyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.16	52.31 ng	1956060	1,4-Dichlorobenzene-d4	6.86

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Decane, 5-methyl-	156	C11H24	013151-35-4	72
2	Decane, 2,5,6-trimethyl-	184	C13H28	062108-23-0	64
3	Octane, 2,5,6-trimethyl-	156	C11H24	062016-14-2	58
4	Hexane, 2,4-dimethyl-	114	C8H18	000589-43-5	50
5	Octane, 2,3-dimethyl-	142	C10H22	007146-60-3	50





Data Path : Z:\HPCHEM1\BNA F\DATA\BF121915\
Data File : BF083919.D
Acq On : 18 Dec 2015 18:08
Operator : UM/SJ
Sample : G4815-01 20X
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : LAR-9871

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF121815.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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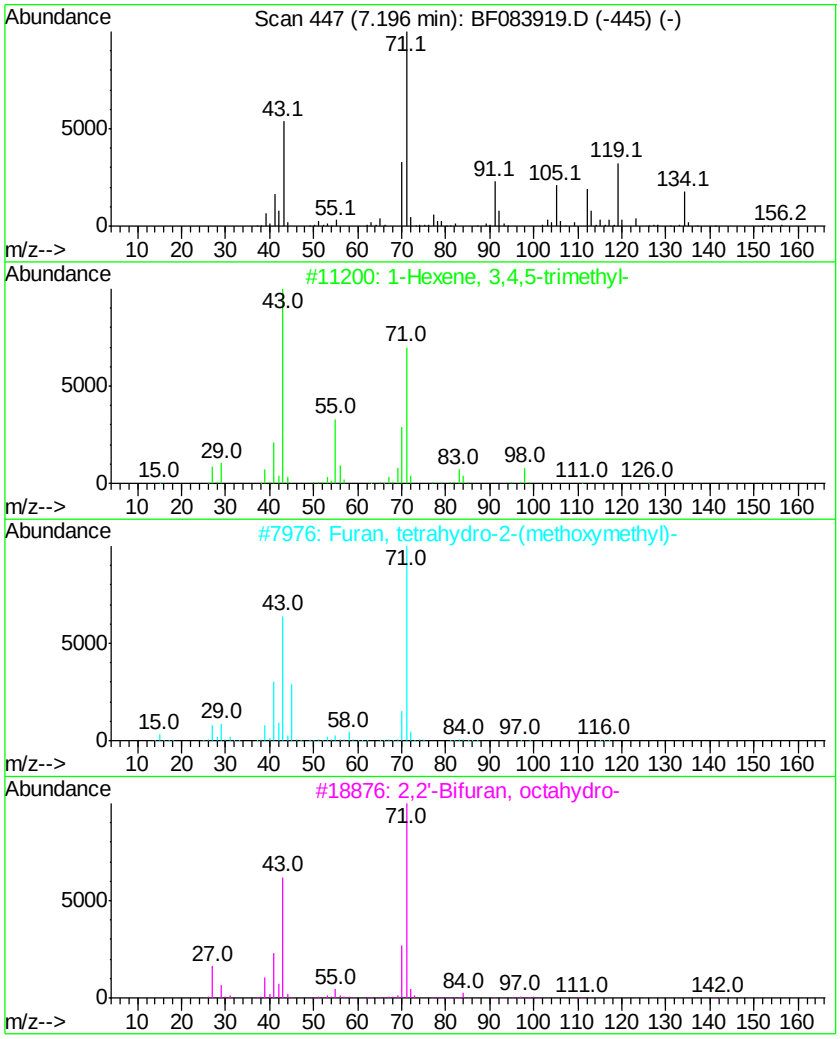
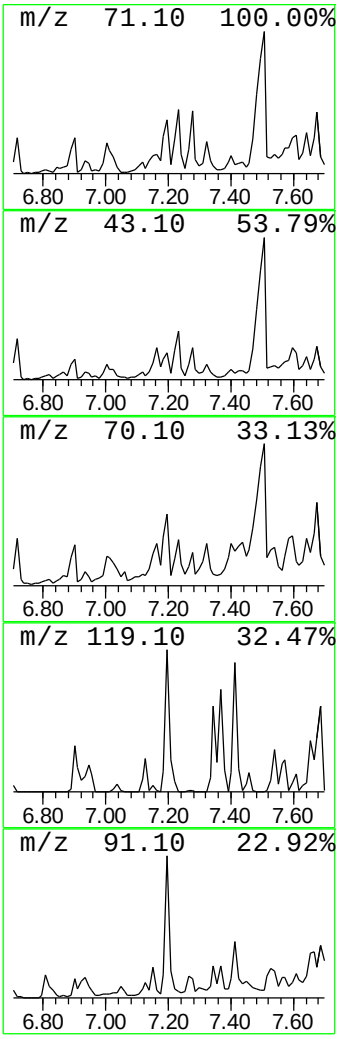
Peak Number 9 unknown7.20 Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.20	30.11 ng	1125960	1,4-Dichlorobenzene-d4	6.86

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Hexene, 3,4,5-trimethyl-	126	C9H18	056728-10-0	43
2	Furan, tetrahydro-2-(methoxymeth...	116	C6H12O2	019354-27-9	35
3	2,2'-Bifuran, octahydro-	142	C8H14O2	001592-33-2	32
4	Butanoic acid, 2-propenyl ester	128	C7H12O2	002051-78-7	27
5	Decane, 3,3,8-trimethyl-	184	C13H28	062338-16-3	23





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Acq On : 18 Dec 2015 18:08
Operator : UM/SJ
Sample : G4815-01 20X
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : LAR-9871

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF121815.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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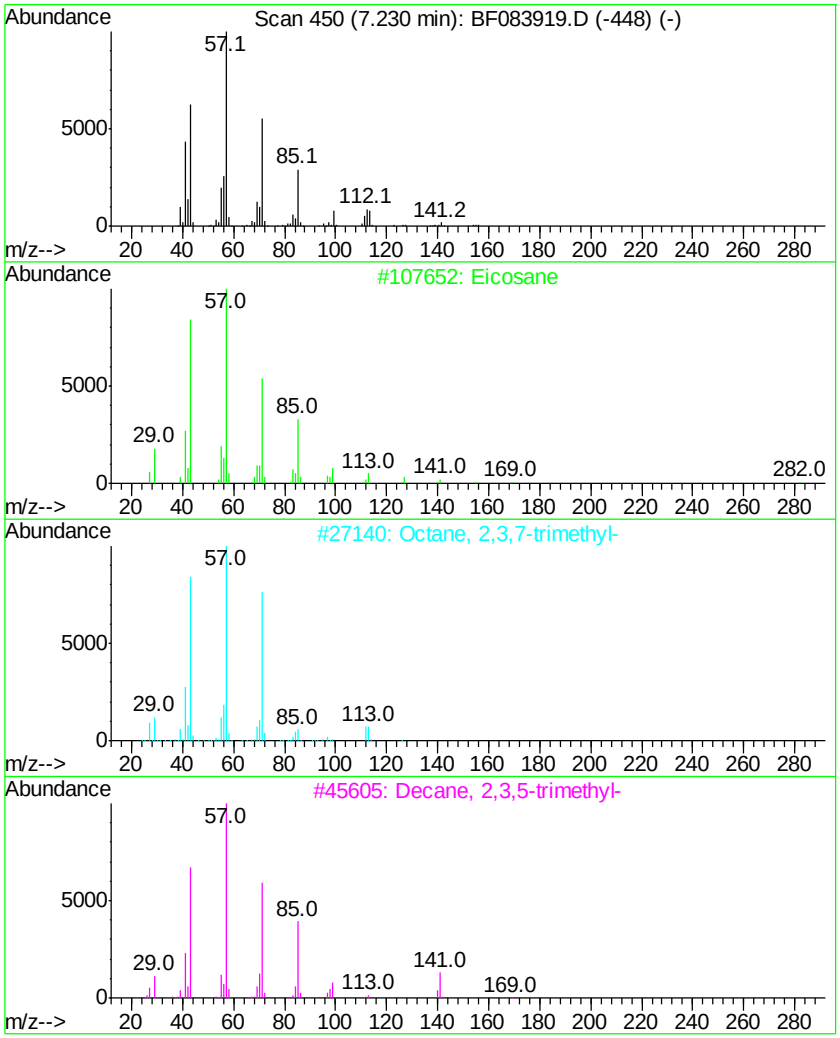
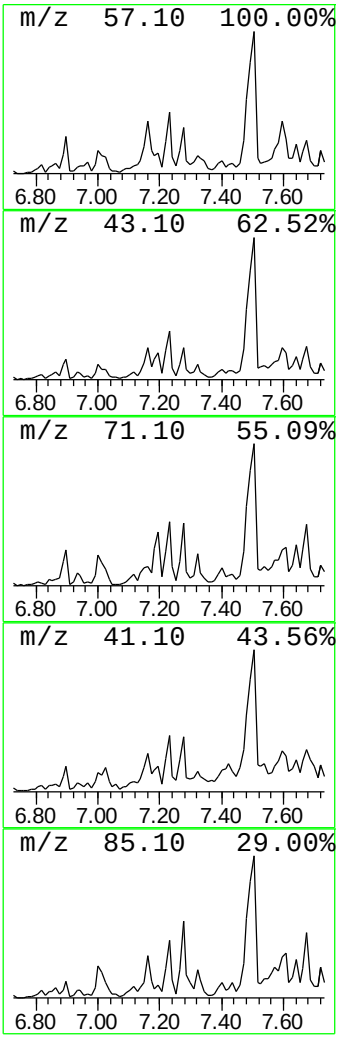
Peak Number 10 Eicosane Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.23	60.75 ng	2271680	1,4-Dichlorobenzene-d4	6.86

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Eicosane	282	C20H42	000112-95-8	80
2	Octane, 2,3,7-trimethyl-	156	C11H24	062016-34-6	59
3	Decane, 2,3,5-trimethyl-	184	C13H28	062238-11-3	59
4	Octane, 2,6-dimethyl-	142	C10H22	002051-30-1	59
5	Heptane, 3-ethyl-5-methyl-	142	C10H22	052896-90-9	53





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Sample : G4815-01 20X
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : LAR-9871

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF121815.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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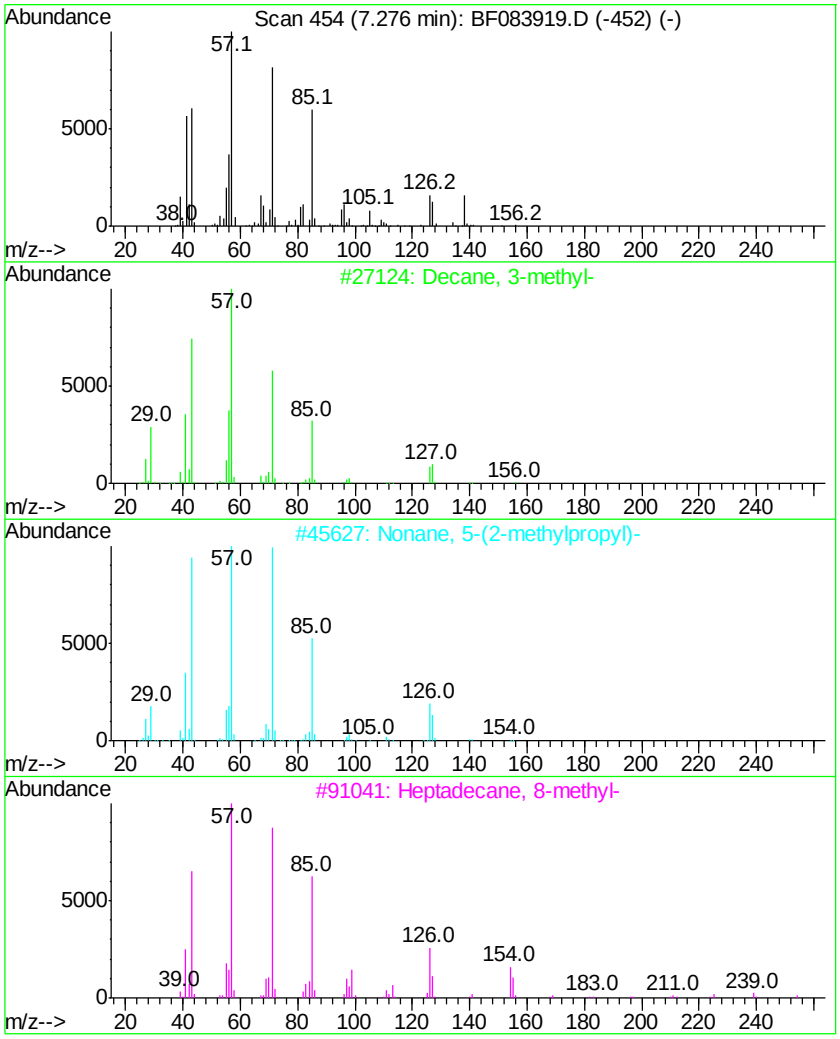
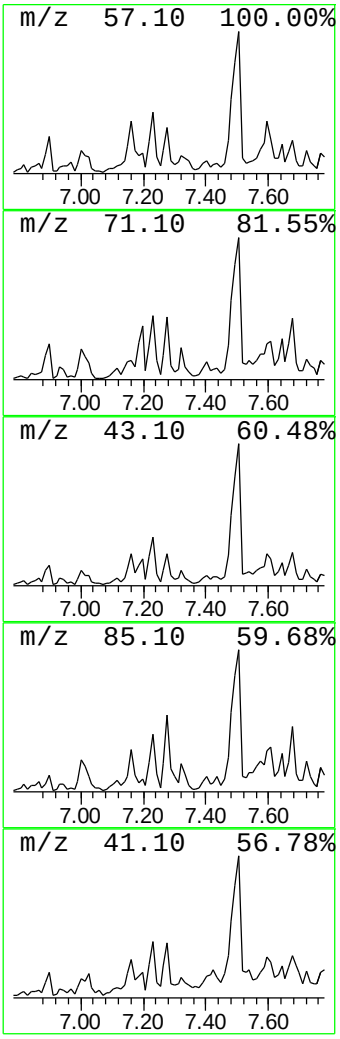
Peak Number 11 Decane, 3-methyl- Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.28	59.44 ng	2222670	1,4-Dichlorobenzene-d4	6.86

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Decane, 3-methyl-	156	C11H24	013151-34-3	68
2	Nonane, 5-(2-methylpropyl)-	184	C13H28	062185-53-9	59
3	Heptadecane, 8-methyl-	254	C18H38	013287-23-5	59
4	Nonane, 3,7-dimethyl-	156	C11H24	017302-32-8	53
5	Nonane, 5-butyl-	184	C13H28	017312-63-9	50





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Operator : UM/SJ
Sample : G4815-01 20X
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : LAR-9871

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF121815.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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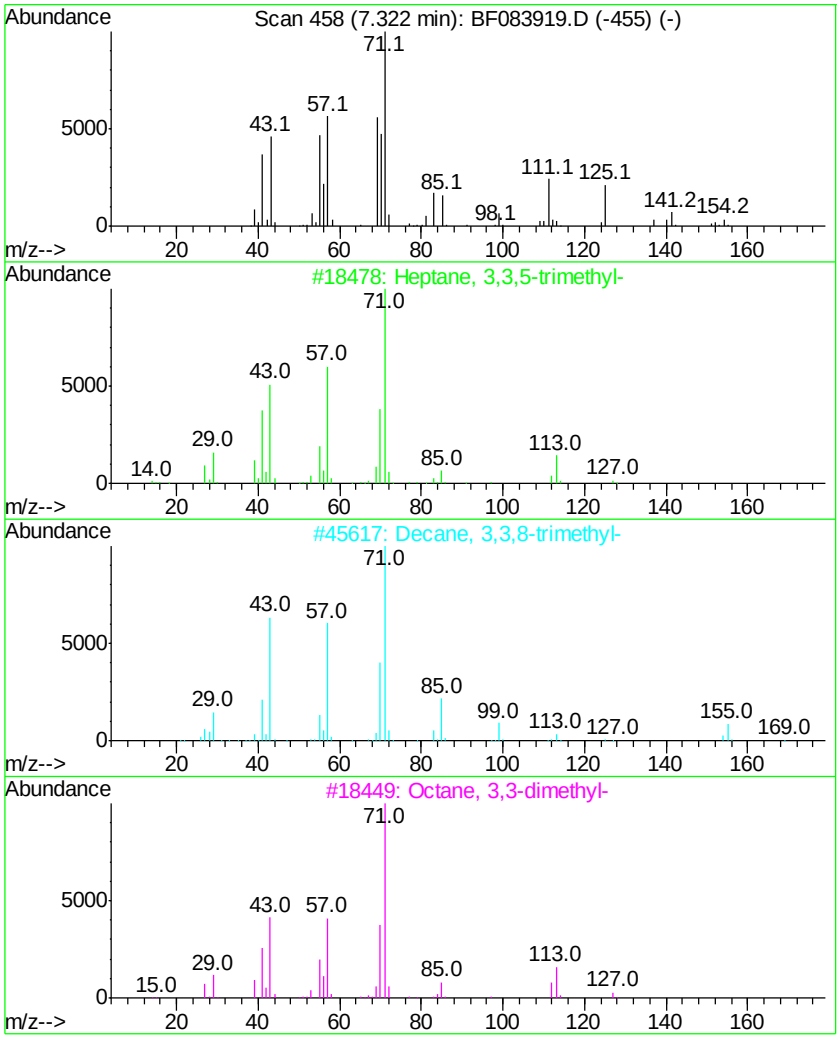
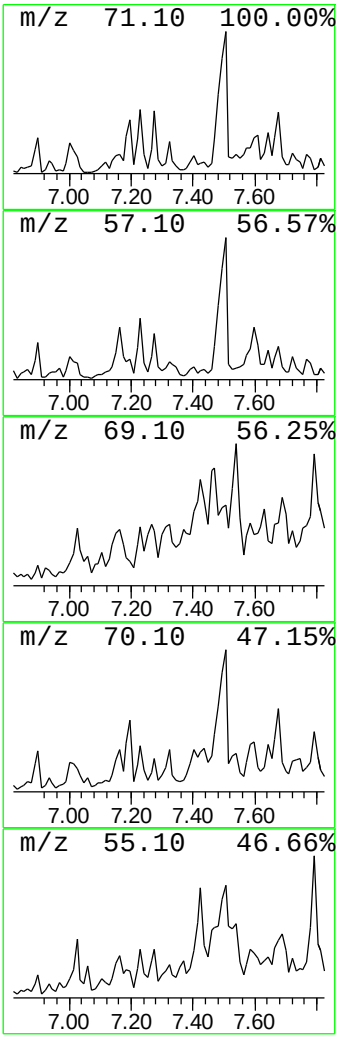
Peak Number 12 unknown7.32 Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.32	38.09 ng	1424500	1,4-Dichlorobenzene-d4	6.86

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heptane, 3,3,5-trimethyl-	142	C10H22	007154-80-5	47
2	Decane, 3,3,8-trimethyl-	184	C13H28	062338-16-3	47
3	Octane, 3,3-dimethyl-	142	C10H22	004110-44-5	47
4	5-Hepten-3-one, 5-ethyl-2-methyl-	154	C10H18O	049833-97-8	43
5	Undecane, 3,3-dimethyl-	184	C13H28	017312-65-1	43





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Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : LAR-9871

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF121815.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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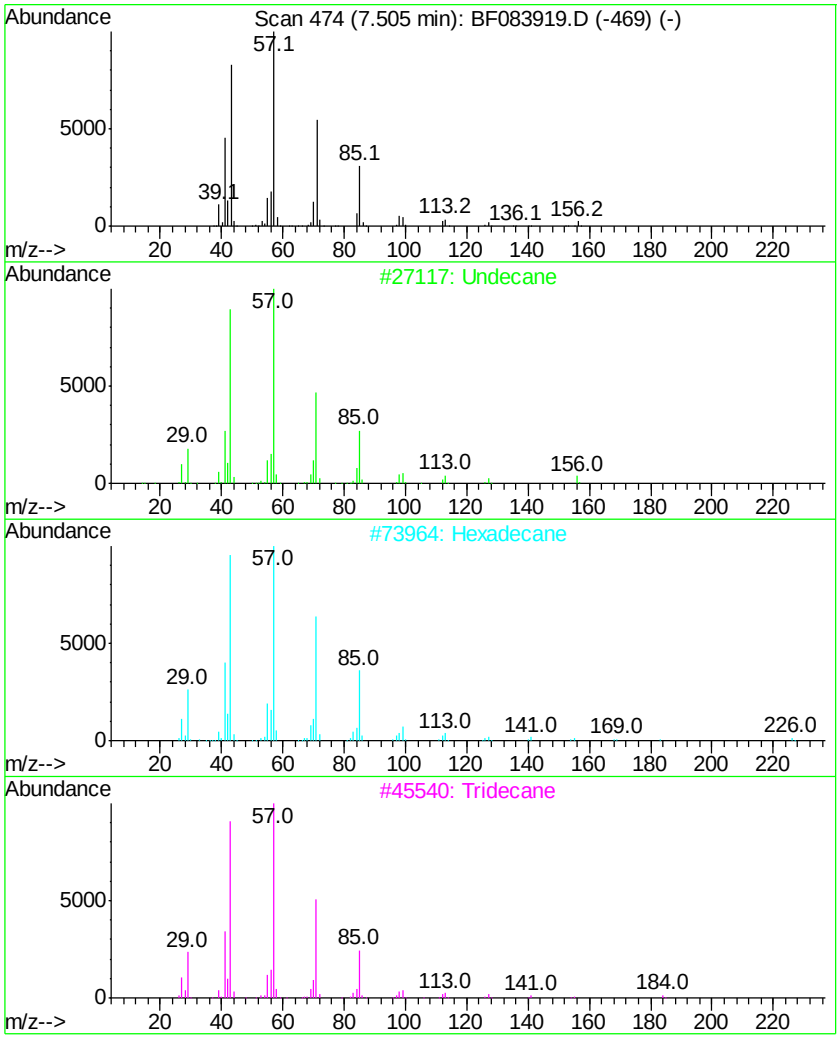
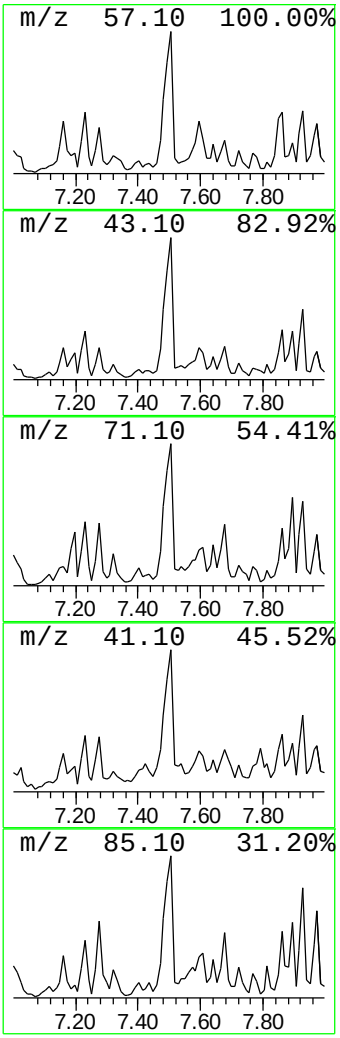
Peak Number 13 Undecane Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.50	270.51 ng	10115700	1,4-Dichlorobenzene-d4	6.86

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Undecane	156	C11H24	001120-21-4	91
2	Hexadecane	226	C16H34	000544-76-3	90
3	Tridecane	184	C13H28	000629-50-5	86
4	Tetradecane	198	C14H30	000629-59-4	83
5	Dodecane, 4,6-dimethyl-	198	C14H30	061141-72-8	64





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Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : LAR-9871

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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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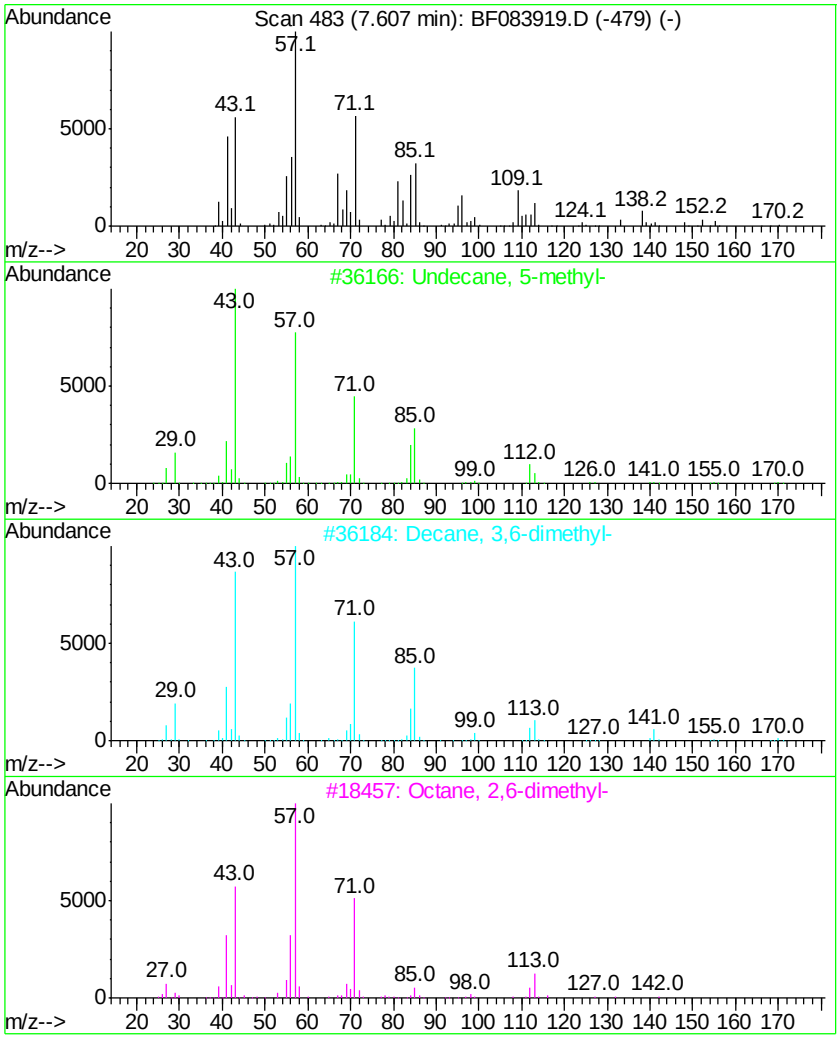
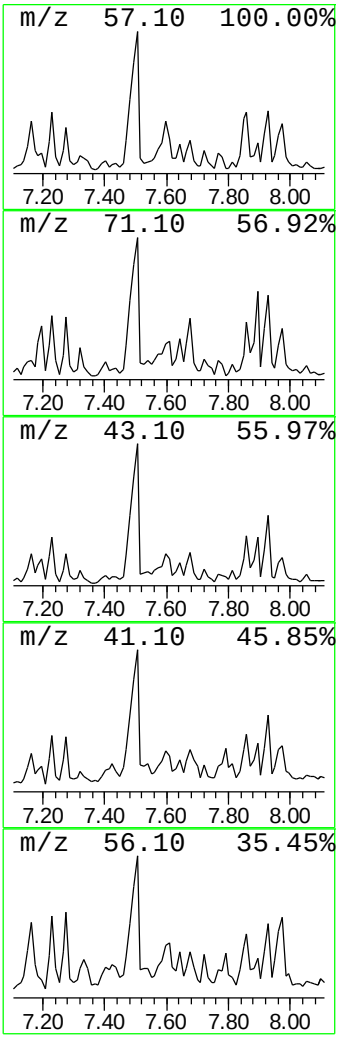
Peak Number 14 Undecane, 5-methyl- Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.61	10.30 ng	3306380	Naphthalene-d8	8.16

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Undecane, 5-methyl-	170	C12H26	001632-70-8	58
2	Decane, 3,6-dimethyl-	170	C12H26	017312-53-7	55
3	Octane, 2,6-dimethyl-	142	C10H22	002051-30-1	46
4	Cyclopentanol, 3-methyl-	100	C6H12O	018729-48-1	46
5	Dodecane, 3-methyl-	184	C13H28	017312-57-1	43





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Sample : G4815-01 20X
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : LAR-9871

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF121815.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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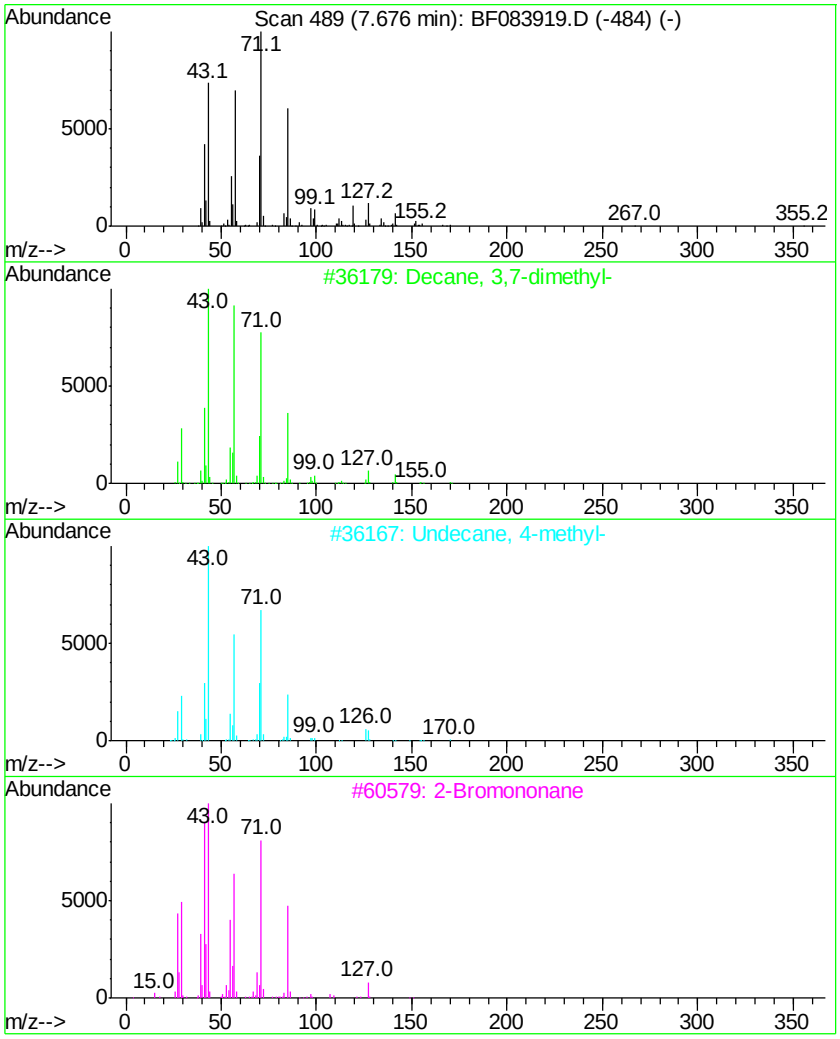
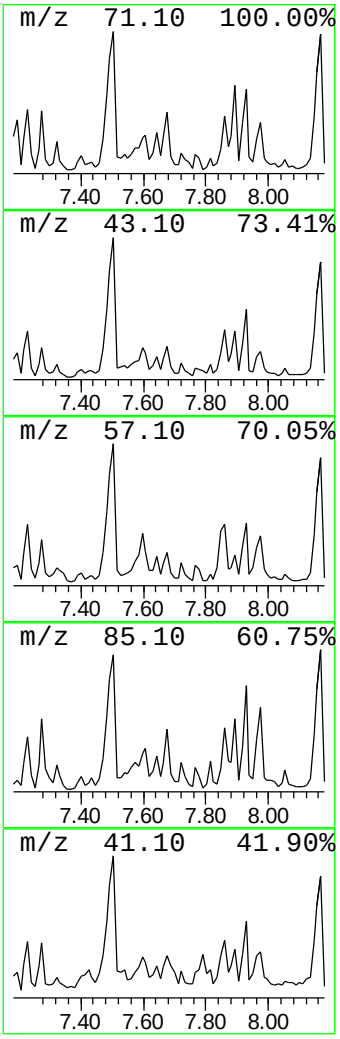
Peak Number 15 Decane, 3,7-dimethyl- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.68	17.22 ng	5530200	Naphthalene-d8	8.16

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Decane, 3,7-dimethyl-	170	C12H26	017312-54-8	83
2	Undecane, 4-methyl-	170	C12H26	002980-69-0	58
3	2-Bromononane	206	C9H19Br	002216-35-5	53
4	Bacchotricuneatin c	342	C20H22O5	066563-30-2	50
5	1,3-Dimethylcyclopentanol	114	C7H14O	019550-46-0	50





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ALS Vial : 10 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : LAR-9871

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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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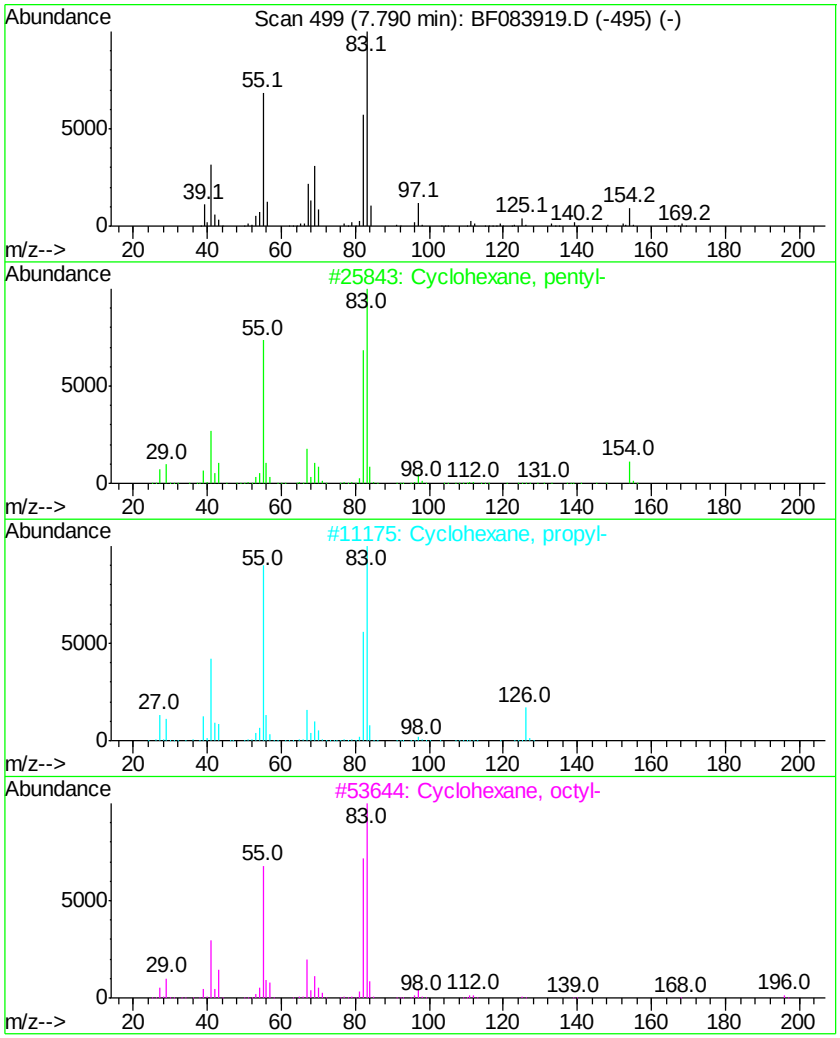
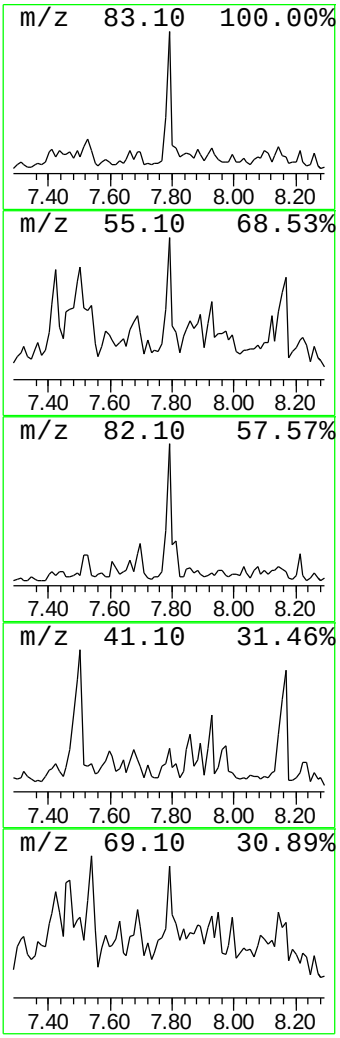
Peak Number 16 Cyclohexane, pentyl- Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.79	12.34 ng	3962590	Naphthalene-d8	8.16

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, pentyl-	154	C11H22	004292-92-6	83
2	Cyclohexane, propyl-	126	C9H18	001678-92-8	72
3	Cyclohexane, octyl-	196	C14H28	001795-15-9	72
4	n-Amylcyclohexane	154	C11H22	029949-27-7	72
5	Cyclohexane, butyl-	140	C10H20	001678-93-9	72





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Sample : G4815-01 20X
Misc :
ALS Vial : 10 Sample Multiplier: 1

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ClientSampleId : LAR-9871

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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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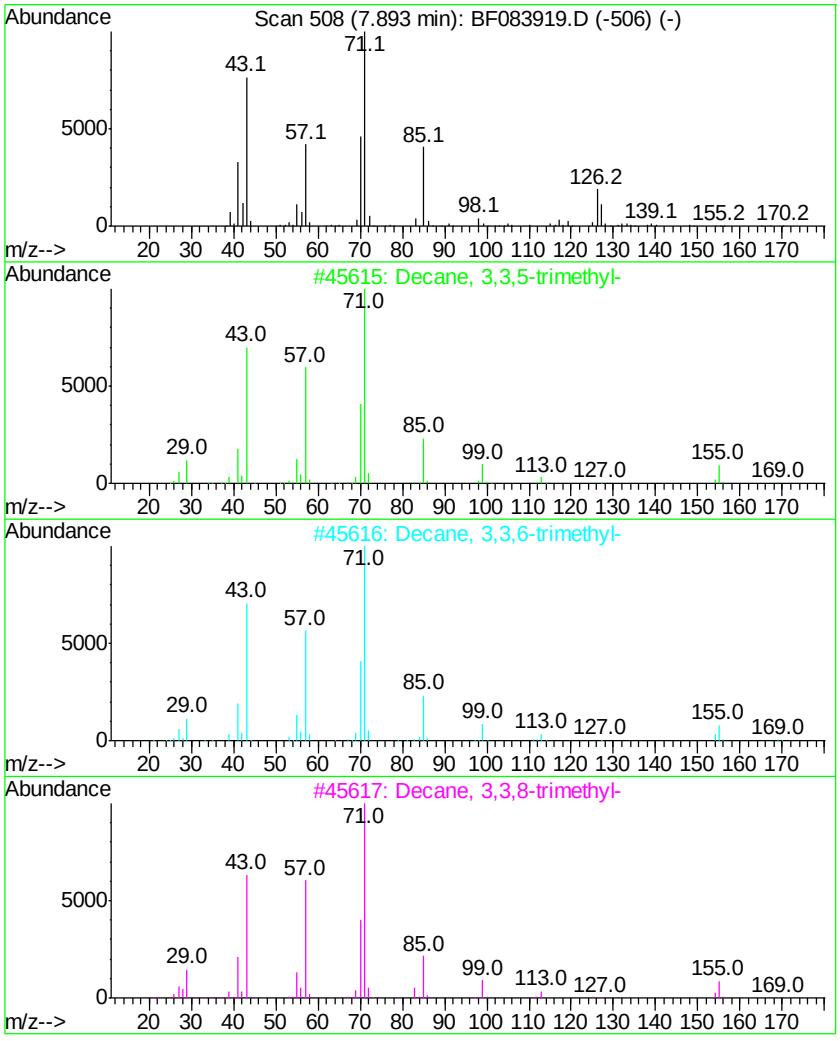
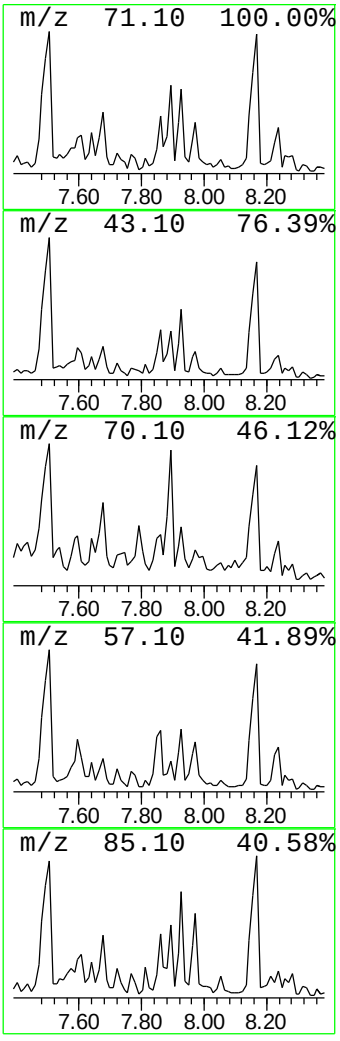
Peak Number 18 Decane, 3,3,5-trimethyl- Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.89	6.67 ng	2142930	Naphthalene-d8	8.16

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Decane, 3,3,5-trimethyl-	184	C13H28	062338-13-0	59
2	Decane, 3,3,6-trimethyl-	184	C13H28	062338-14-1	53
3	Decane, 3,3,8-trimethyl-	184	C13H28	062338-16-3	50
4	Dodecane, 4-methyl-	184	C13H28	006117-97-1	50
5	Pentane, 1,1'-oxybis-	158	C10H22O	000693-65-2	50





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Sample : G4815-01 20X
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : LAR-9871

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF121815.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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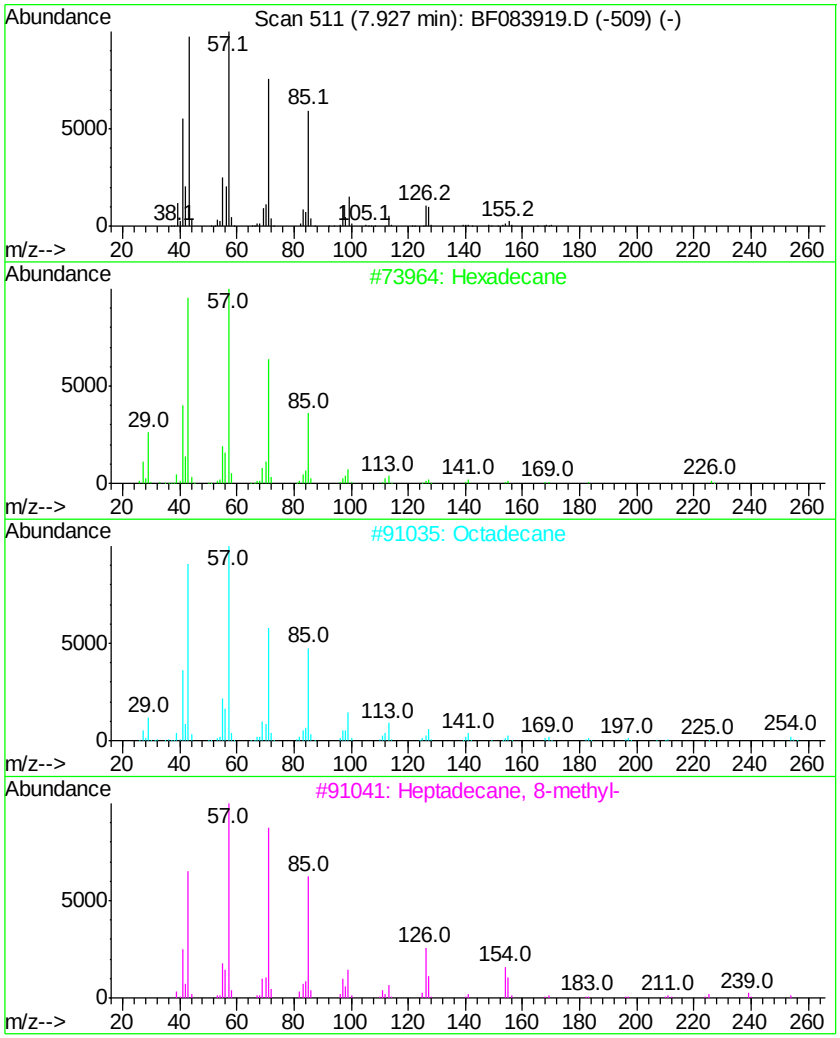
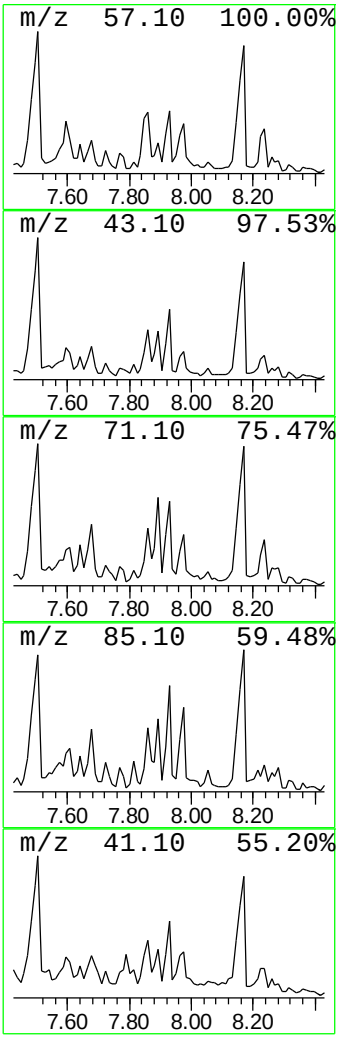
Peak Number 19 Hexadecane Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.93	9.18 ng	2949240	Naphthalene-d8	8.16

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexadecane	226	C16H34	000544-76-3	72
2	Octadecane	254	C18H38	000593-45-3	64
3	Heptadecane, 8-methyl-	254	C18H38	013287-23-5	64
4	Undecane, 5,7-dimethyl-	184	C13H28	017312-83-3	59
5	Tetracosane	338	C24H50	000646-31-1	59





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Acq On : 18 Dec 2015 18:08
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Sample : G4815-01 20X
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : LAR-9871

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF121815.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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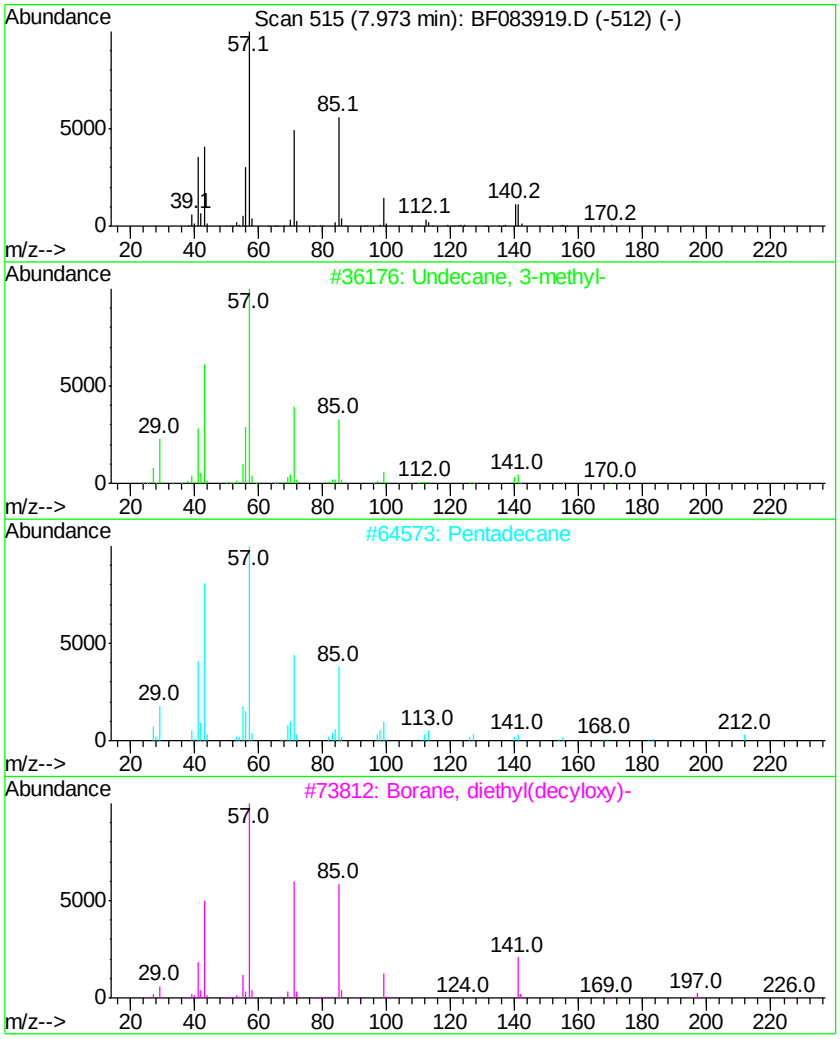
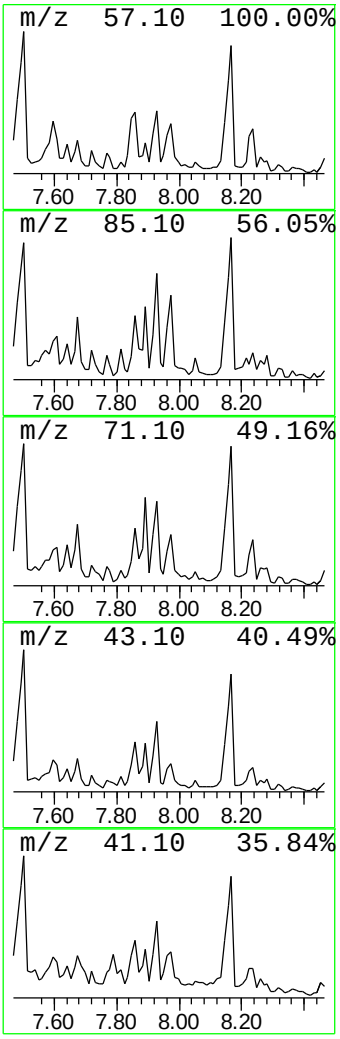
Peak Number 20 Undecane, 3-methyl- Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.97	9.37 ng	3010570	Naphthalene-d8	8.16

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Undecane, 3-methyl-	170	C12H26	001002-43-3	83
2	Pentadecane	212	C15H32	000629-62-9	64
3	Borane, diethyl(decyloxy)-	226	C14H31BO	1000152-34-3	59
4	Decane, 1-iodo-	268	C10H21I	002050-77-3	59
5	Octane, 2,4,6-trimethyl-	156	C11H24	062016-37-9	59





Tentatively Identified Compound (LSC) summary

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Data File : BF083919.D
Acq On : 18 Dec 2015 18:08
Operator : UM/SJ
Sample : G4815-01 20X
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : LAR-9871

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF121815.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
Decane, 2,5,6-tri...	6.36	9.8	ng	364561	1	6.86	747894	20.0
Cyclohexane, 1,1,...	6.40	7.4	ng	277202	1	6.86	747894	20.0
Benzene, 1,2,3-tr...	6.46	6.9	ng	256750	1	6.86	747894	20.0
Decane	6.72	45.9	ng	1717690	1	6.86	747894	20.0
unknown6.93	6.93	16.4	ng	614369	1	6.86	747894	20.0
Cyclohexane, butyl-	7.02	48.1	ng	1799340	1	6.86	747894	20.0
Hexane, 3,3-dimet...	7.12	21.2	ng	791415	1	6.86	747894	20.0
Decane, 5-methyl-	7.16	52.3	ng	1956060	1	6.86	747894	20.0
unknown7.20	7.20	30.1	ng	1125960	1	6.86	747894	20.0
Eicosane	7.23	60.8	ng	2271680	1	6.86	747894	20.0
Decane, 3-methyl-	7.28	59.4	ng	2222670	1	6.86	747894	20.0
unknown7.32	7.32	38.1	ng	1424500	1	6.86	747894	20.0
Undecane	7.50	270.5	ng	10115700	1	6.86	747894	20.0
Undecane, 5-methyl-	7.61	10.3	ng	3306380	2	8.16	6423250	20.0
Decane, 3,7-dimet...	7.68	17.2	ng	5530200	2	8.16	6423250	20.0
Cyclohexane, pentyl-	7.79	12.3	ng	3962590	2	8.16	6423250	20.0
Decane, 3,3,5-tri...	7.89	6.7	ng	2142930	2	8.16	6423250	20.0
Hexadecane	7.93	9.2	ng	2949240	2	8.16	6423250	20.0
Undecane, 3-methyl-	7.97	9.4	ng	3010570	2	8.16	6423250	20.0