LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA F\DATA\BF102817\
Data File : BF099912.D
Acq On : 28 Oct 2017 12:53
Operator : SJ/JU
Sample : I6138-05
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : 220-3A-B-CONCRETE

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-BF102317.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	2.158	10	12	35	rVB	41537	115290	1.93%	0.626%
2	4.375	385	389	396	rBV3	40966	83949	1.41%	0.456%
3	4.998	491	495	505	rBV	392516	505116	8.46%	2.741%
4	5.410	562	565	582	rBV	999695	1104249	18.50%	5.993%
5	6.434	735	739	751	rBV	1121119	1225828	20.54%	6.652%
6	6.557	757	760	767	rVB	1234684	1221024	20.46%	6.626%
7	6.787	796	799	805	rBV	542294	465289	7.80%	2.525%
8	6.940	822	825	832	rBV	1263332	1078783	18.08%	5.854%
9	7.187	862	867	871	rBV2	45877	63446	1.06%	0.344%
10	7.357	892	896	902	rBV	783464	732170	12.27%	3.973%
11	8.069	1013	1017	1021	rBV	702410	584880	9.80%	3.174%
12	8.445	1075	1081	1084	rBV6	29160	62374	1.05%	0.338%
13	9.139	1195	1199	1206	rBV	1421785	1450690	24.31%	7.873%
14	9.245	1213	1217	1221	rBV2	63511	80025	1.34%	0.434%
15	9.386	1238	1241	1244	rBV	51914	60161	1.01%	0.326%
16	9.539	1262	1267	1272	rVB2	248263	314547	5.27%	1.707%
17	9.586	1272	1275	1280	rBV	56258	80489	1.35%	0.437%
18	9.728	1296	1299	1305	rBV3	51183	84332	1.41%	0.458%
19	9.828	1312	1316	1323	rVB	391416	502357	8.42%	2.726%
20	10.075	1355	1358	1364	rVB4	102467	154645	2.59%	0.839%
21	10.228	1381	1384	1389	rBV6	148159	300124	5.03%	1.629%
22	10.475	1421	1426	1432	rBV	771579	1725978	28.92%	9.367%
23	10.751	1466	1473	1481	rBV	2016895	5968155	100.00%	32.388%
24	15.451	2269	2272	2280	rVB	361283	463069	7.76%	2.513%

Sum of corrected areas: 18426970

LSC Report - Integrated Chromatogram

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Data File : BF099912.D
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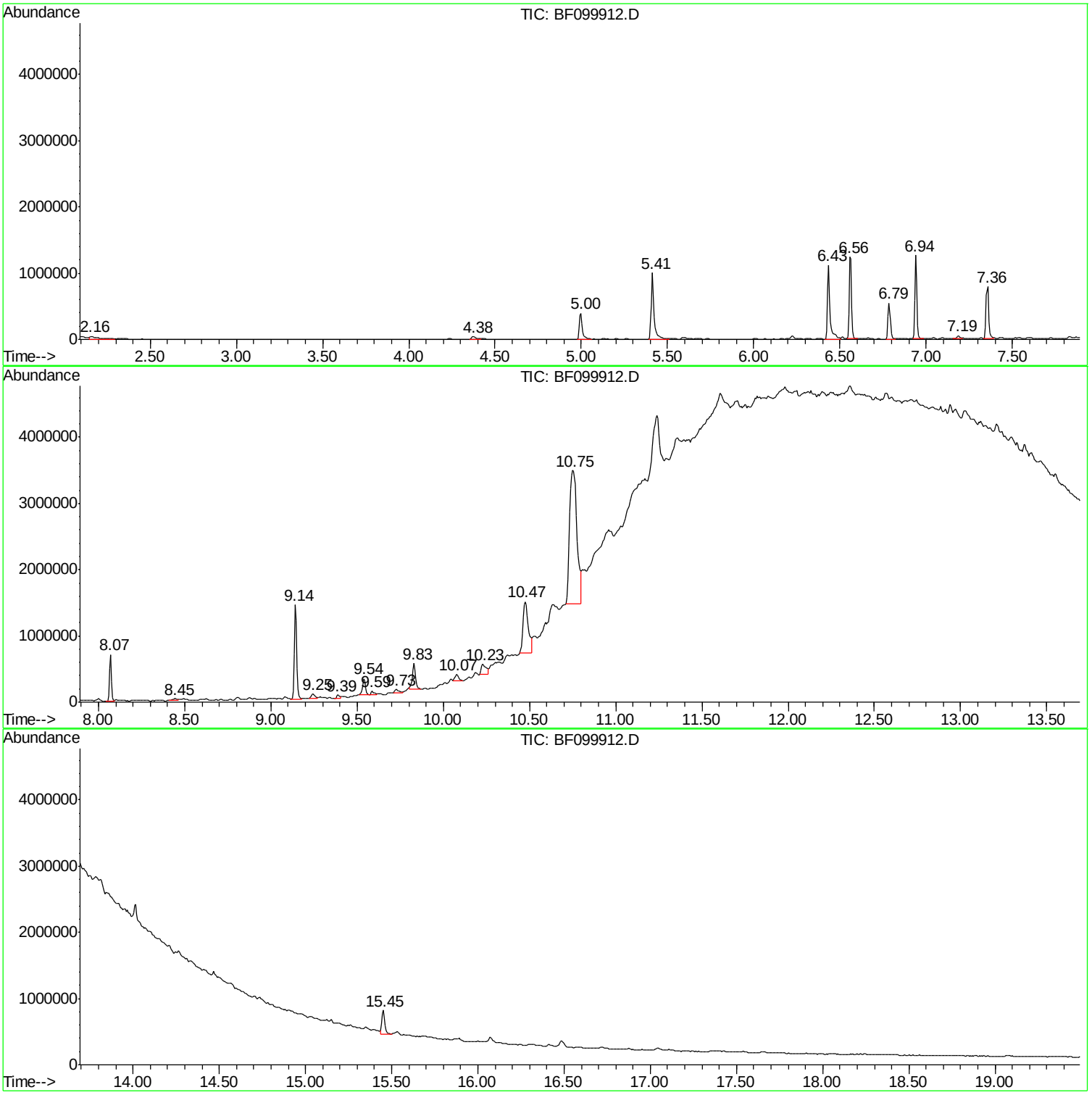
Operator : SJ/JU
Sample : I6138-05
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : 220-3A-B-CONCRETE

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF102317.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P



Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA F\DATA\BF102817\
Data File : BF099912.D
Acq On : 28 Oct 2017 12:53
Operator : SJ/JU
Sample : I6138-05
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : 220-3A-B-CONCRETE

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF102317.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

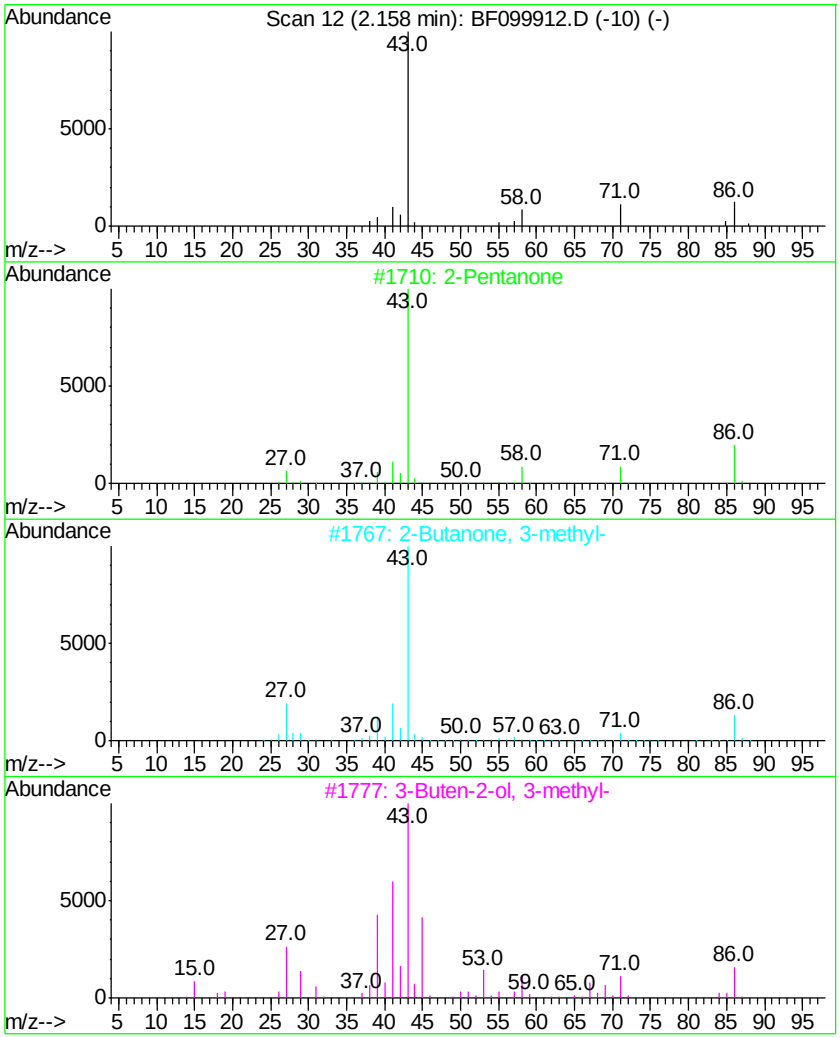
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

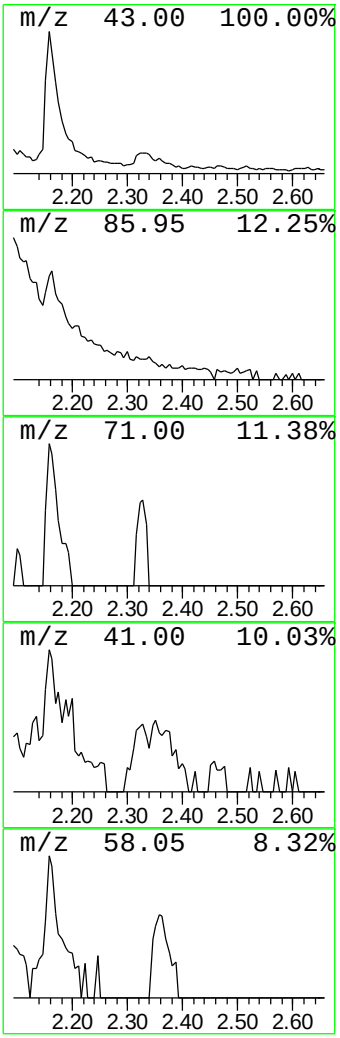
****

Peak Number 1 2-Pentanone Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.16	4.96 ng	115290	1,4-Dichlorobenzene-d4	6.79

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Pentanone	86	C5H10O	000107-87-9	72
2	2-Butanone, 3-methyl-	86	C5H10O	000563-80-4	64
3	3-Buten-2-ol, 3-methyl-	86	C5H10O	010473-14-0	39
4	Ethanone, 1-oxiranyl-	86	C4H6O2	004401-11-0	38
5	2-Pentanone, 3-ethyl-	114	C7H14O	006137-03-7	9





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Operator : SJ/JU
Sample : I6138-05
Misc :
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Instrument : BNA_F
ClientSampleId : 220-3A-B-CONCRETE

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF102317.M
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TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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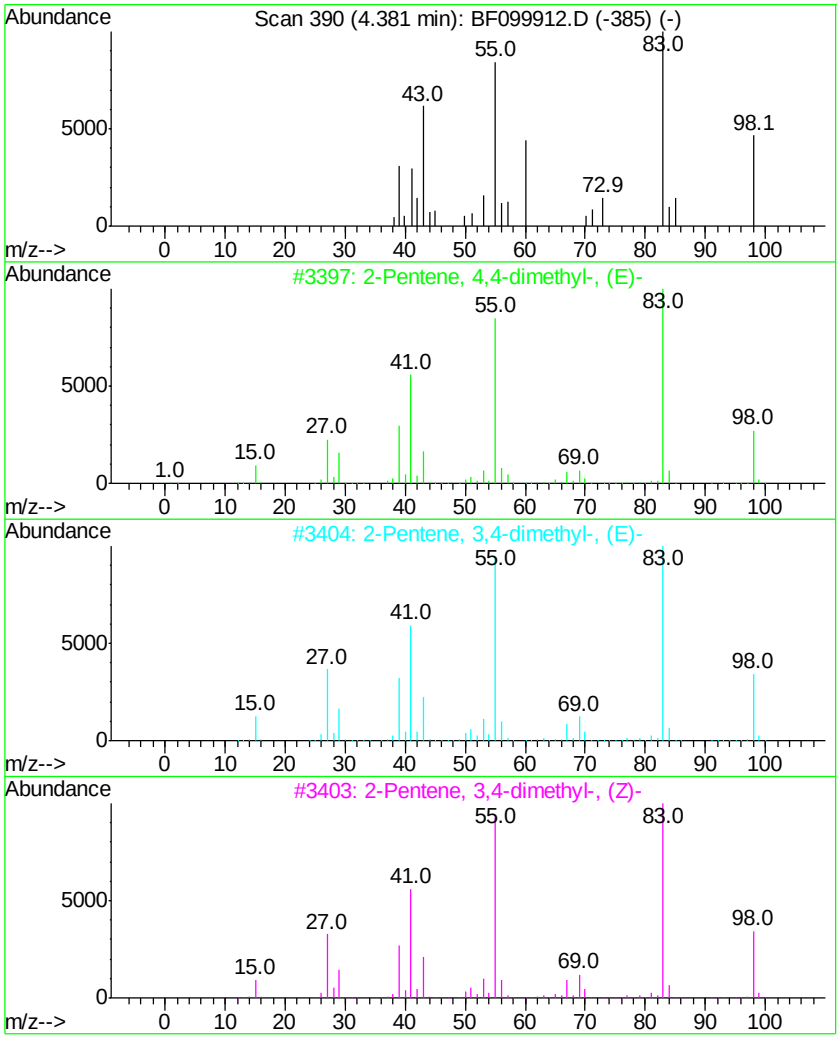
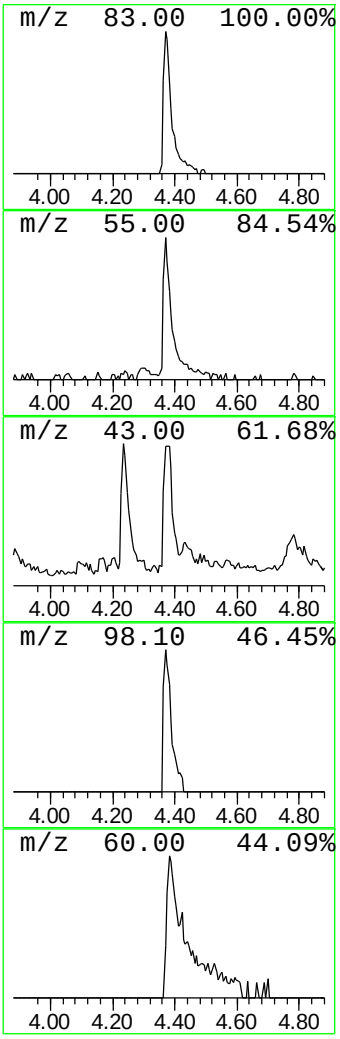
Peak Number 2 2-Pentene, 4,4-dimethyl-, (E)- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.38	3.61 ng	83949	1,4-Dichlorobenzene-d4	6.79

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Pentene, 4,4-dimethyl-, (E)-	98	C7H14	000690-08-4	64
2	2-Pentene, 3,4-dimethyl-, (E)-	98	C7H14	004914-92-5	64
3	2-Pentene, 3,4-dimethyl-, (Z)-	98	C7H14	004914-91-4	64
4	2-Pentene, 4,4-dimethyl-, (Z)-	98	C7H14	000762-63-0	59
5	2-Pentene, 3,4-dimethyl-	98	C7H14	024910-63-2	59





Data Path : Z:\HPCHEM1\BNA F\DATA\BF102817\
Data File : BF099912.D
Acq On : 28 Oct 2017 12:53
Operator : SJ/JU
Sample : I6138-05
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : 220-3A-B-CONCRETE

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF102317.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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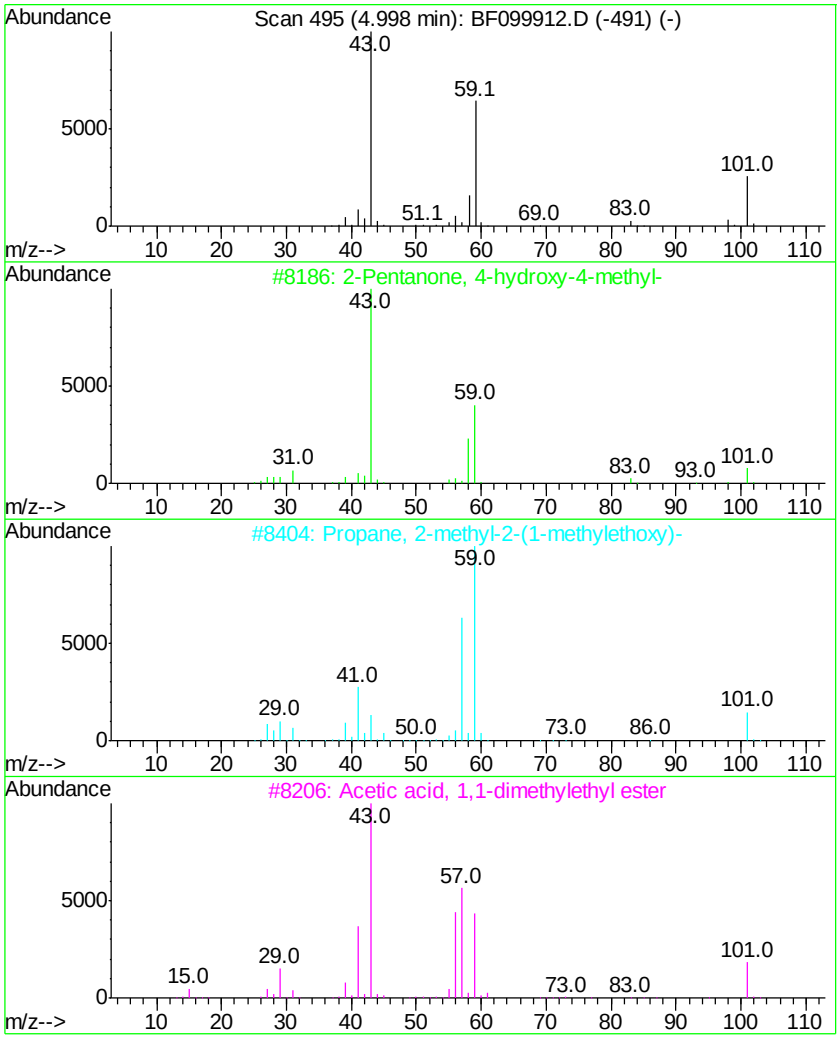
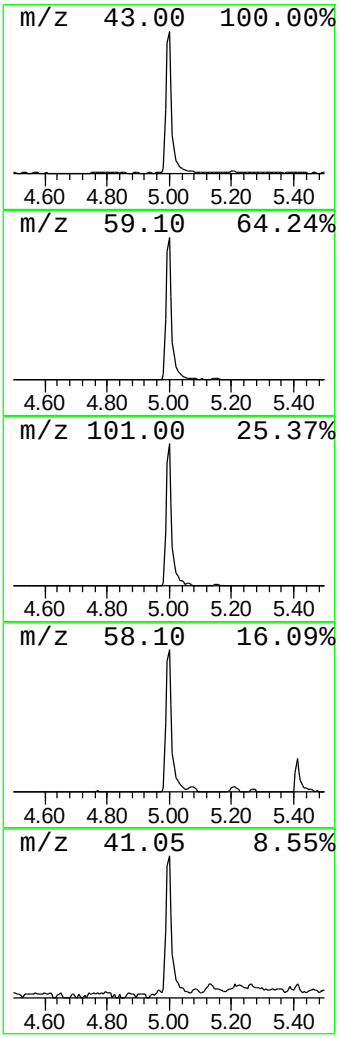
Peak Number 3 2-Pentanone, 4-hydroxy-4-me... Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.00	21.71 ng	505116	1,4-Dichlorobenzene-d4	6.79

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	56
2	Propane, 2-methyl-2-(1-methyleth...	116	C7H16O	017348-59-3	50
3	Acetic acid, 1,1-dimethylethyl e...	116	C6H12O2	000540-88-5	39
4	Acetic acid, cyano-, 1,1-dimethy...	141	C7H11NO2	001116-98-9	17
5	2,3-Butanedione, monooxime	101	C4H7NO2	000057-71-6	9





Data Path : Z:\HPCHEM1\BNA F\DATA\BF102817\
Data File : BF099912.D
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Operator : SJ/JU
Sample : I6138-05
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : 220-3A-B-CONCRETE

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF102317.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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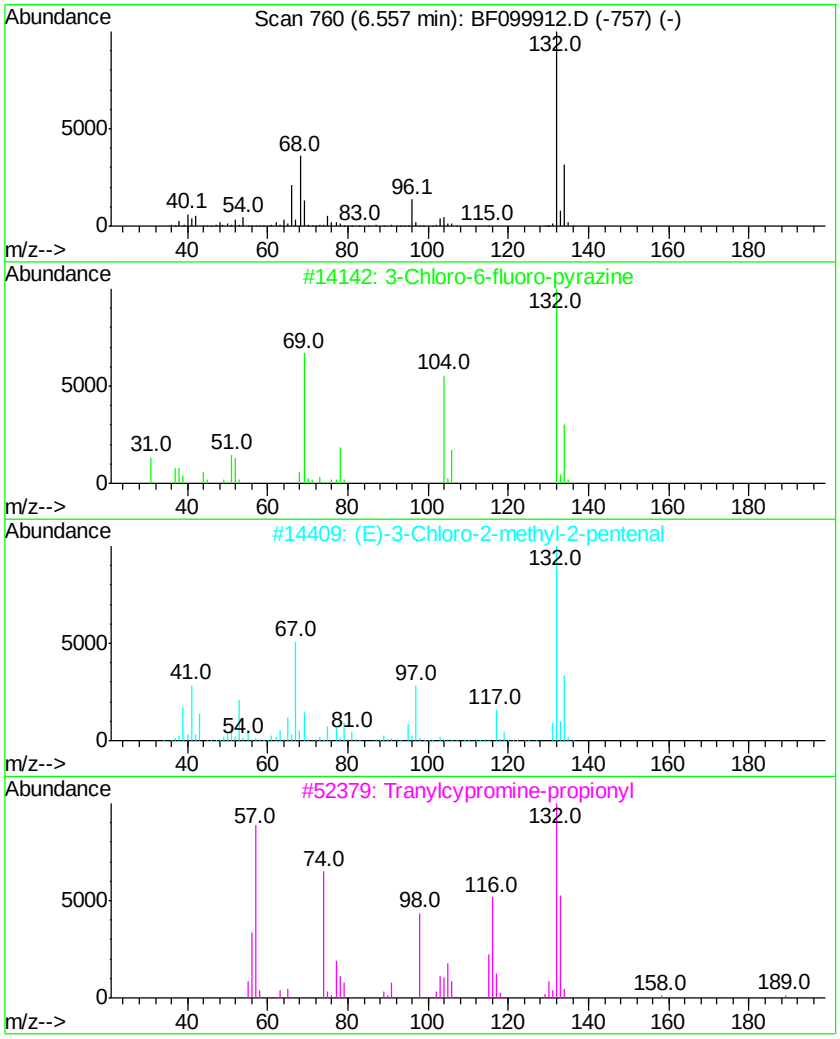
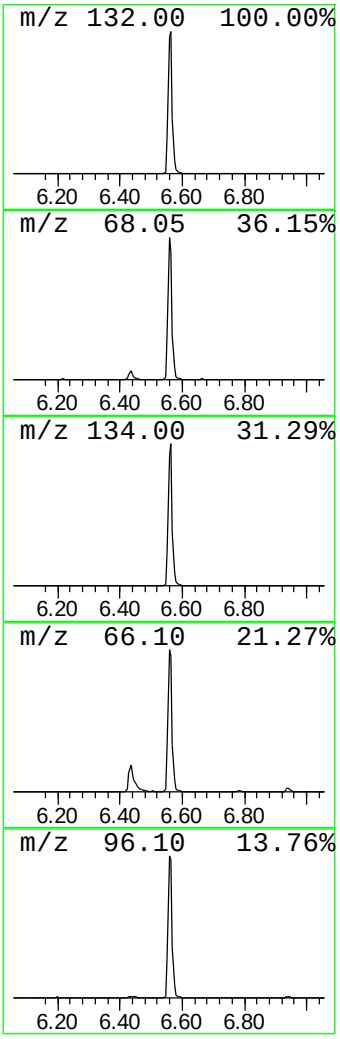
Peak Number 4 unknown6.56 Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.56	52.48 ng	1221020	1,4-Dichlorobenzene-d4	6.79

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-Chloro-6-fluoro-pyrazine	132	C4H2ClFN2	1000146-10-7	38
2	(E)-3-Chloro-2-methyl-2-pentenal	132	C6H9ClO	031357-76-3	17
3	Tranylcypromine-propionyl	189	C12H15NO	1000123-86-3	12
4	4-Chloro-2-fluoro-pyrimidine	132	C4H2ClFN2	051422-00-5	9
5	Xenon	132	Xe	007440-63-3	9





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Data File : BF099912.D
Acq On : 28 Oct 2017 12:53
Operator : SJ/JU
Sample : I6138-05
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : 220-3A-B-CONCRETE

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF102317.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
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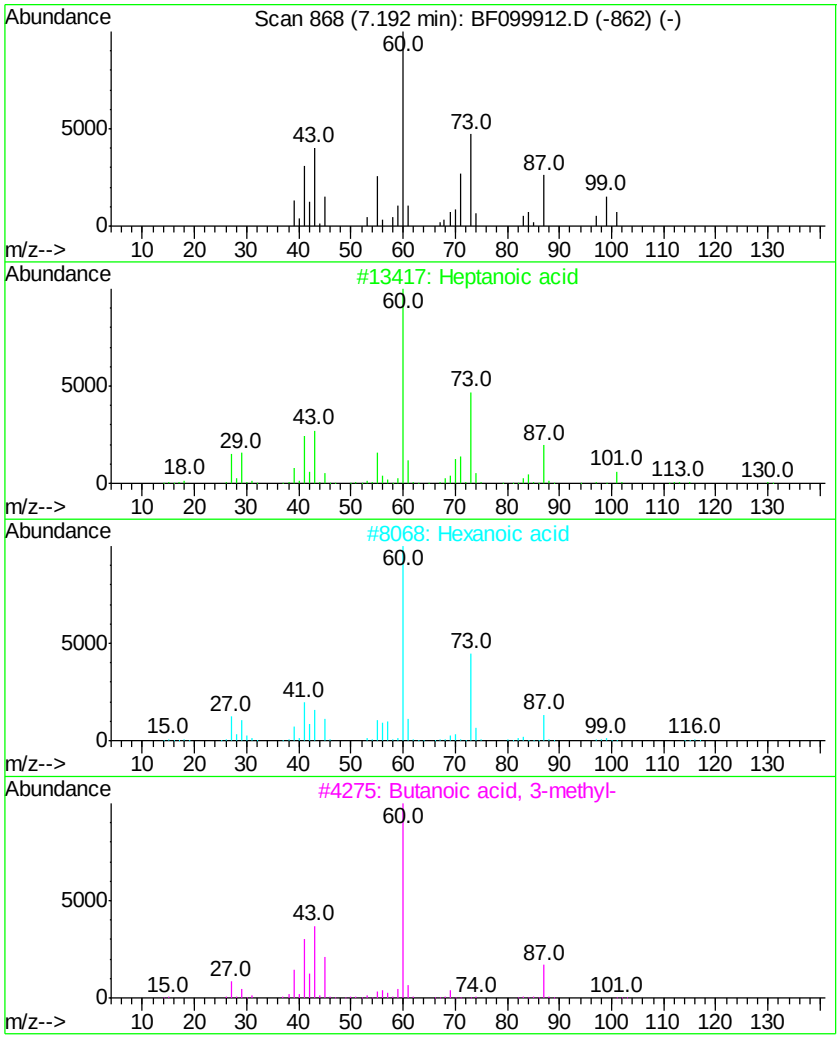
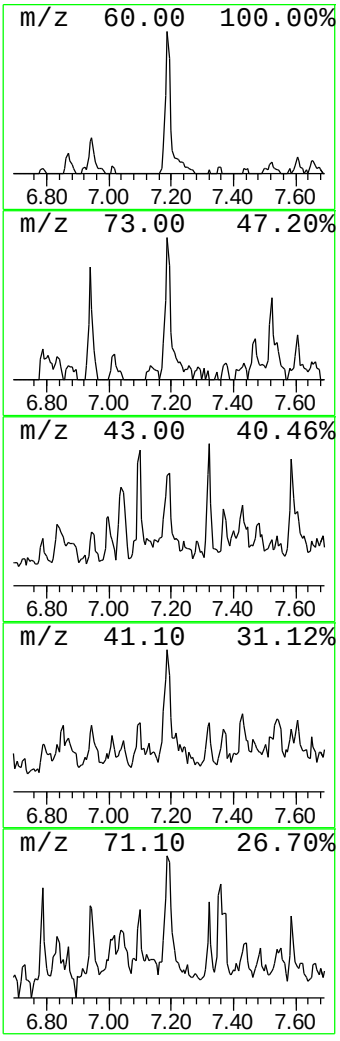
Peak Number 6 Heptanoic acid Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.19	2.73 ng	63446	1,4-Dichlorobenzene-d4	6.79

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heptanoic acid	130	C7H14O2	000111-14-8	72
2	Hexanoic acid	116	C6H12O2	000142-62-1	59
3	Butanoic acid, 3-methyl-	102	C5H10O2	000503-74-2	50
4	.beta.-l-Arabinopyranoside, methyl	164	C6H12O5	001825-00-9	50
5	Pentanoic acid	102	C5H10O2	000109-52-4	40





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Operator : SJ/JU
Sample : I6138-05
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : 220-3A-B-CONCRETE

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF102317.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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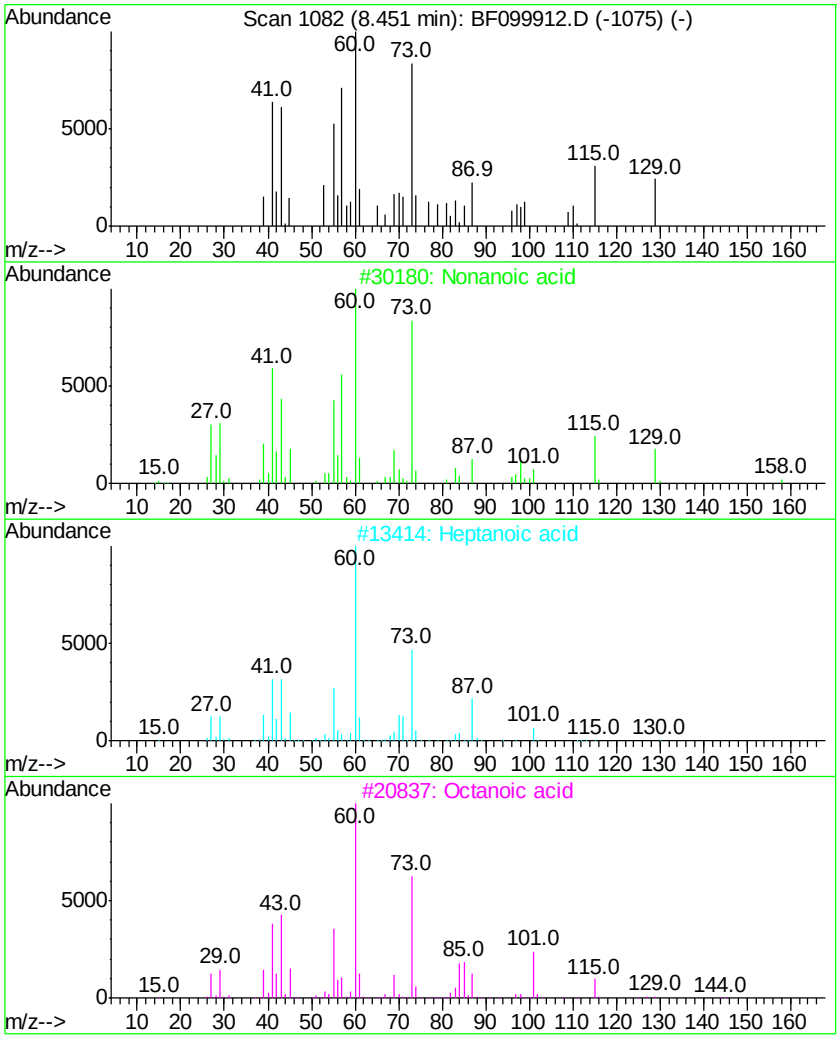
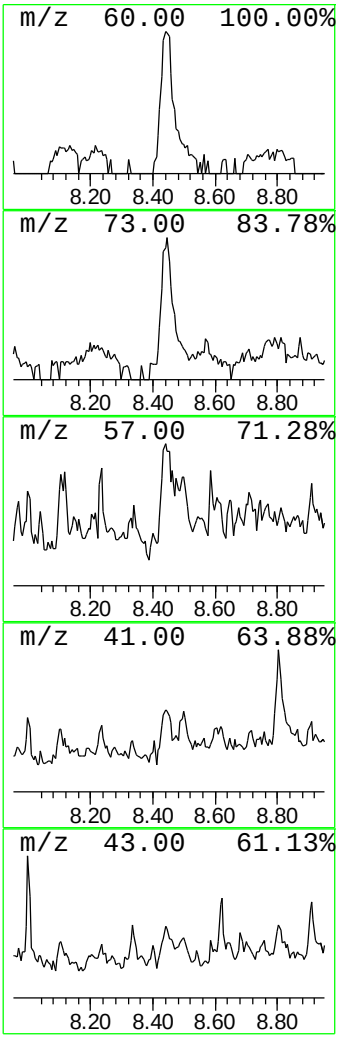
Peak Number 7 Nonanoic acid Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.45	2.13 ng	62374	Naphthalene-d8	8.07

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Nonanoic acid	158	C9H18O2	000112-05-0	64
2	Heptanoic acid	130	C7H14O2	000111-14-8	43
3	Octanoic acid	144	C8H16O2	000124-07-2	43
4	Hexanoic acid	116	C6H12O2	000142-62-1	38
5	Pentanoic acid, 3-methyl-	116	C6H12O2	000105-43-1	38





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Instrument : BNA_F
ClientSampleId : 220-3A-B-CONCRETE

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF102317.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

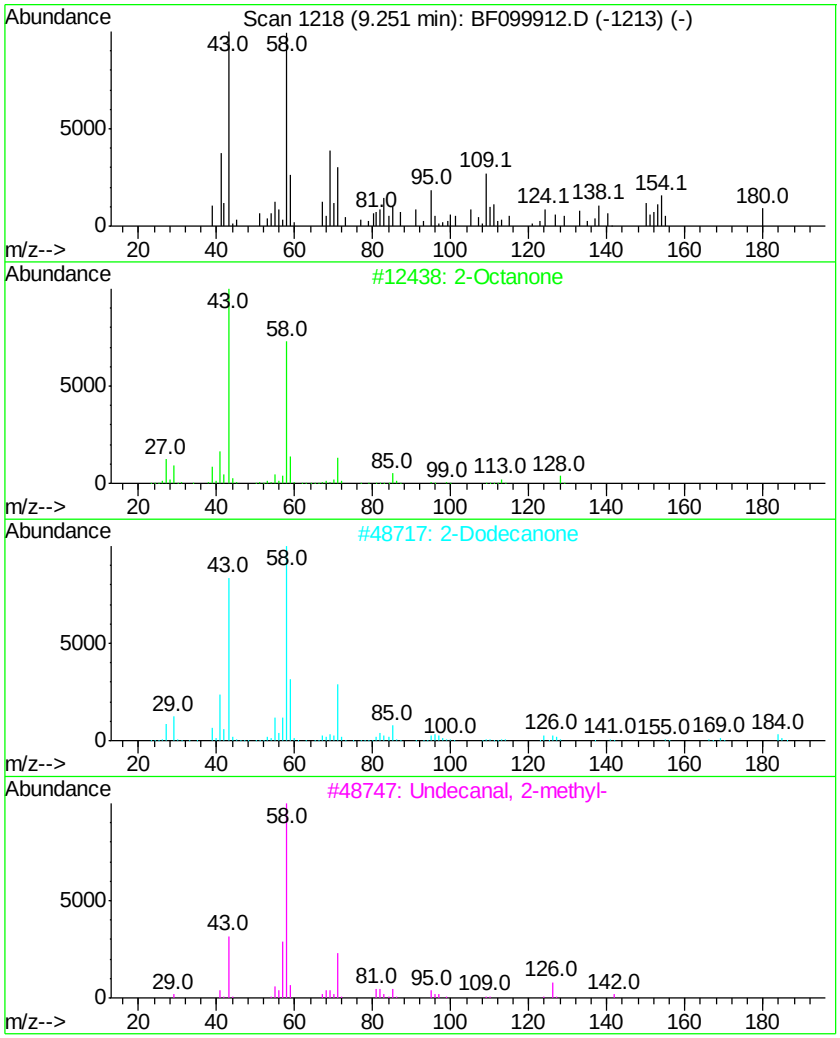
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

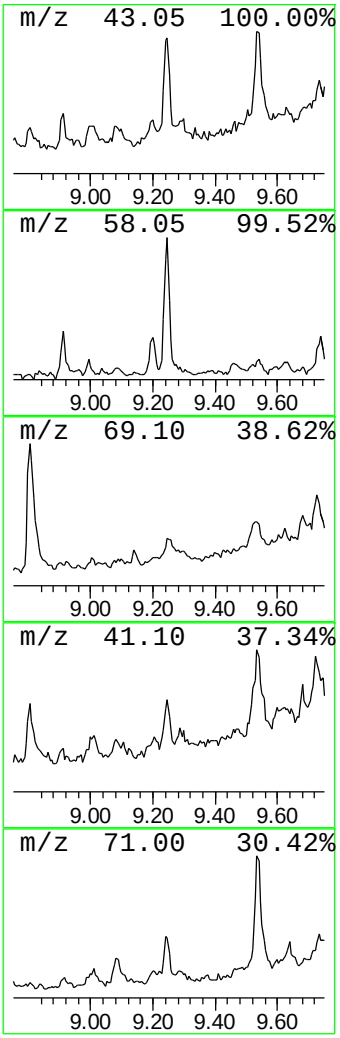
****

Peak Number 8 2-Octanone Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.25	3.19 ng	80025	Acenaphthene-d10	9.83

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Octanone	128	C8H16O	000111-13-7	50
2	2-Dodecanone	184	C12H24O	006175-49-1	50
3	Undecanal, 2-methyl-	184	C12H24O	000110-41-8	50
4	2-Decanone	156	C10H20O	000693-54-9	50
5	2-Hexanone, 4-methyl-	114	C7H14O	000105-42-0	47





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Sample : I6138-05
Misc :
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Instrument : BNA_F
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TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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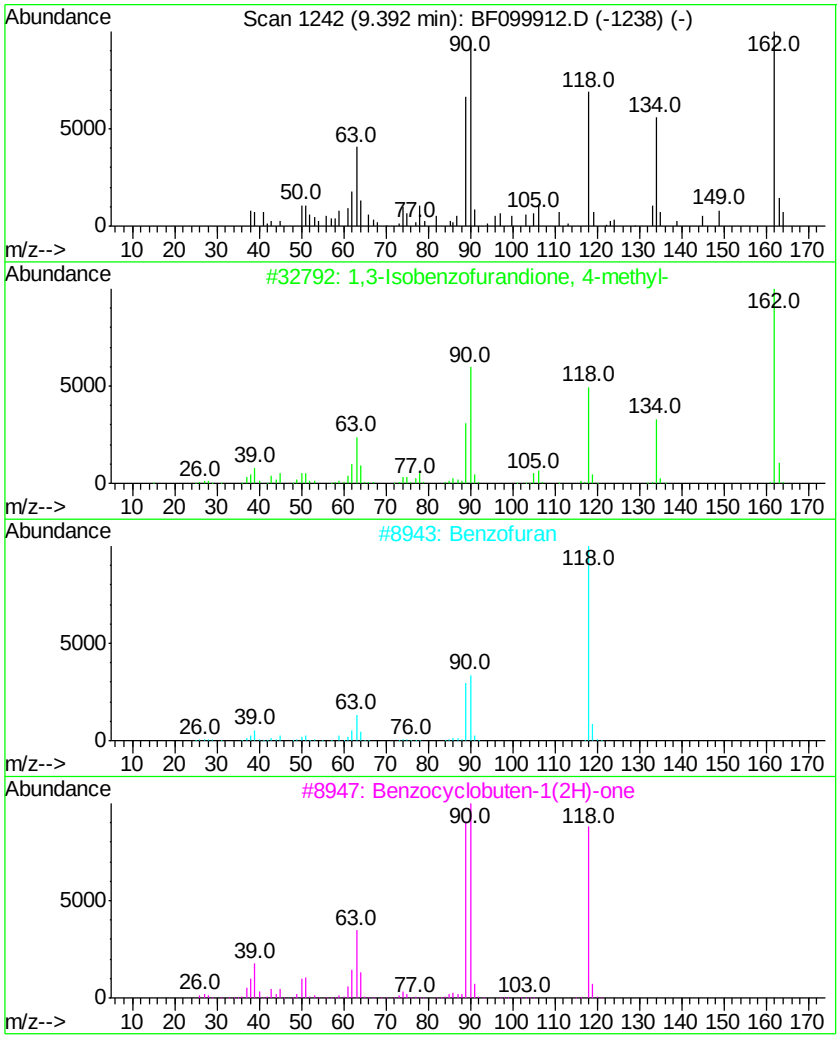
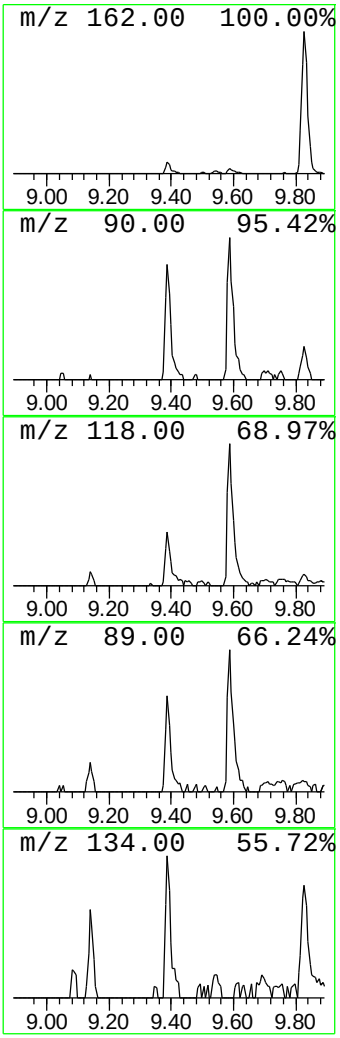
Peak Number 9 1,3-Isobenzofurandione, 4-m... Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.39	2.40 ng	60161	Acenaphthene-d10	9.83

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,3-Isobenzofurandione, 4-methyl-	162	C9H6O3	004792-30-7	95
2	Benzofuran	118	C8H6O	000271-89-6	90
3	Benzocyclobuten-1(2H)-one	118	C8H6O	003469-06-5	59
4	Bicyclo[4.1.0]hepta-1,3,5-triene	90	C7H6	004646-69-9	58
5	4-Methylphthalic anhydride	162	C9H6O3	019438-61-0	52





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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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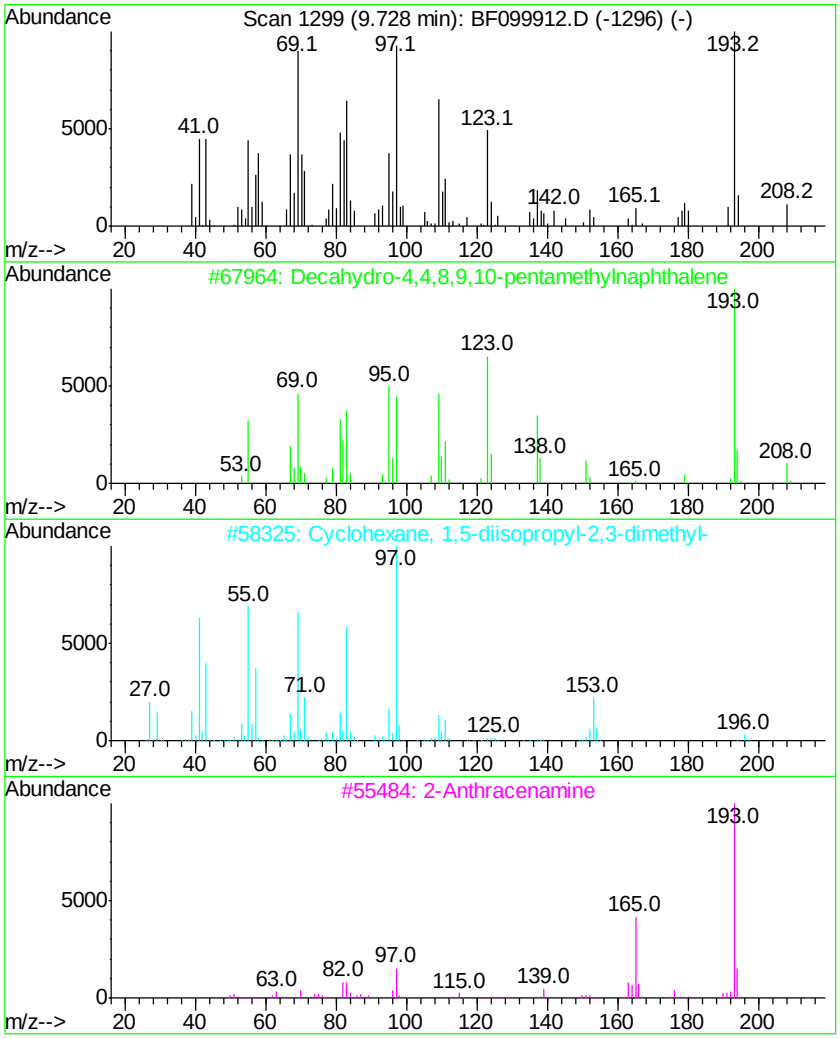
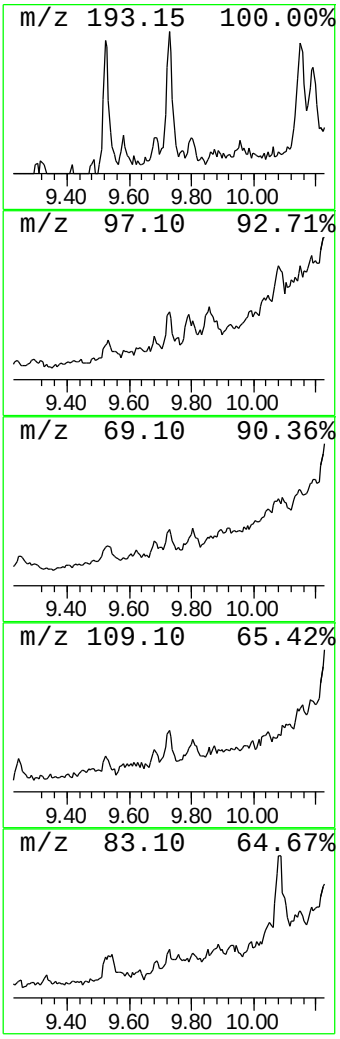
Peak Number 10 Decahydro-4,4,8,9,10-pentam... Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.73	3.36 ng	84332	Acenaphthene-d10	9.83

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Decahydro-4,4,8,9,10-pentamethyl...	208	C15H28	080655-44-3	83
2	Cyclohexane, 1,5-diisopropyl-2,3...	196	C14H28	1000149-58-8	38
3	2-Anthracenamine	193	C14H11N	000613-13-8	30
4	Methane, tricyclohexyl-	262	C19H34	001610-24-8	22
5	5-Methylisoxazol-3-trifluoroacet...	194	C6H5F3N2O2	1000372-93-3	18





Data Path : Z:\HPCHEM1\BNA F\DATA\BF102817\
Data File : BF099912.D
Acq On : 28 Oct 2017 12:53
Operator : SJ/JU
Sample : I6138-05
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : 220-3A-B-CONCRETE

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF102317.M
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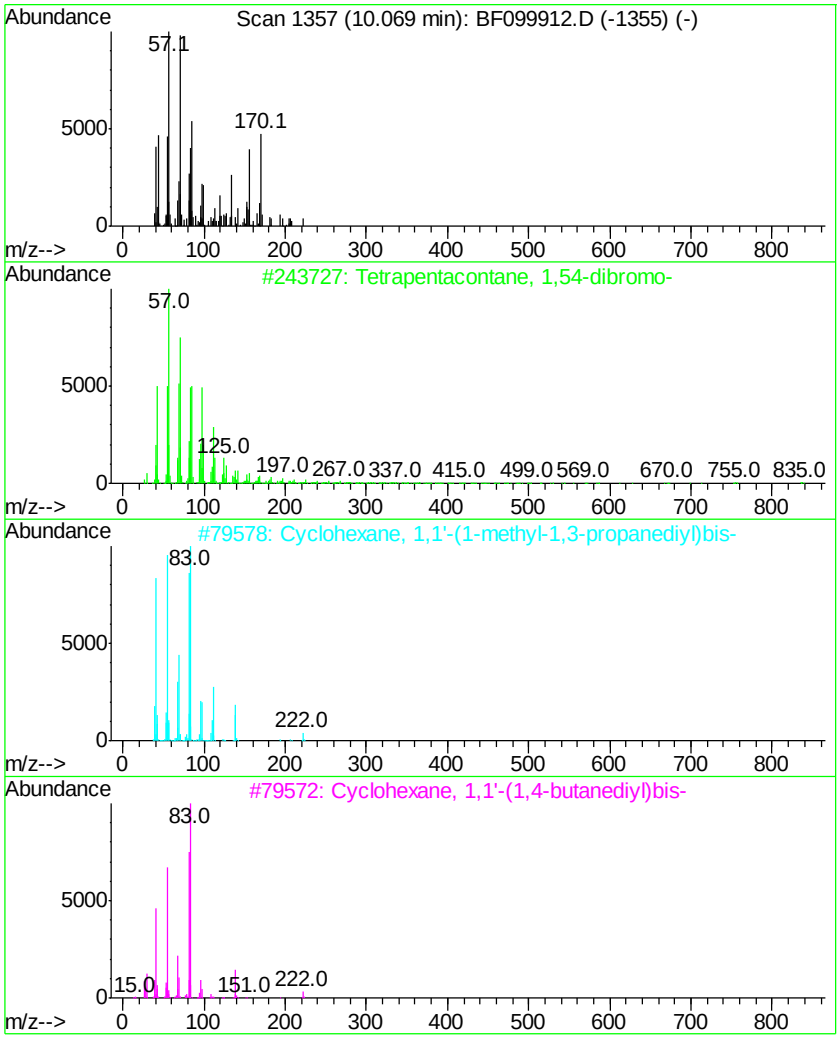
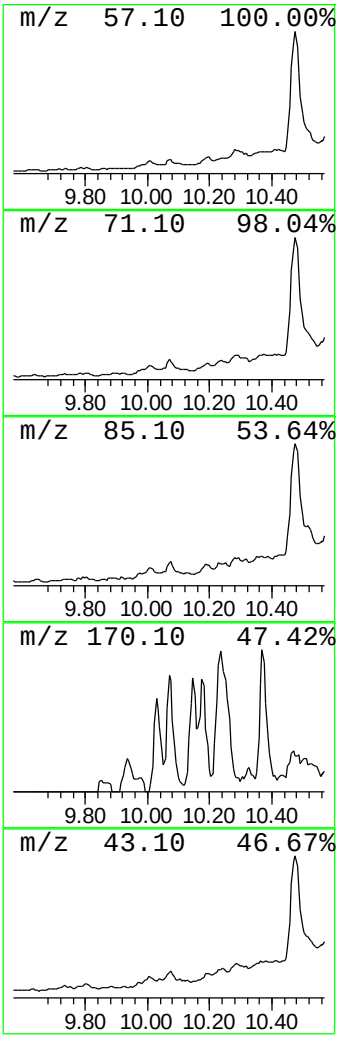
Peak Number 11 Tetrapentacontane, 1,54-dib... Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.07	6.16 ng	154645	Acenaphthene-d10	9.83

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Tetrapentacontane, 1,54-dibromo-	915	C54H108Br2	1000156-09-4	46
2	Cyclohexane, 1,1'-(1-methyl-1,3-...	222	C16H30	041851-35-8	25
3	Cyclohexane, 1,1'-(1,4-butanediy...	222	C16H30	006165-44-2	18
4	Dodecane, 1-iodo-	296	C12H25I	004292-19-7	14
5	Triacontane	422	C30H62	000638-68-6	14





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Data File : BF099912.D
Acq On : 28 Oct 2017 12:53
Operator : SJ/JU
Sample : I6138-05
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : 220-3A-B-CONCRETE

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF102317.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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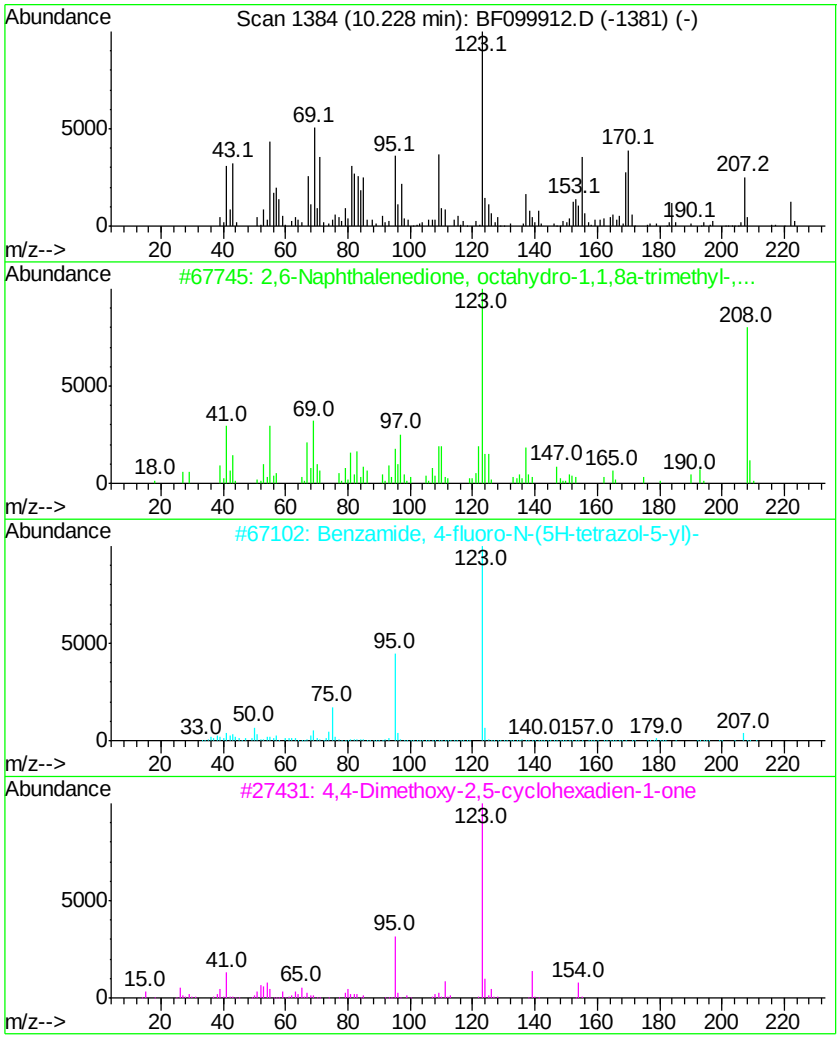
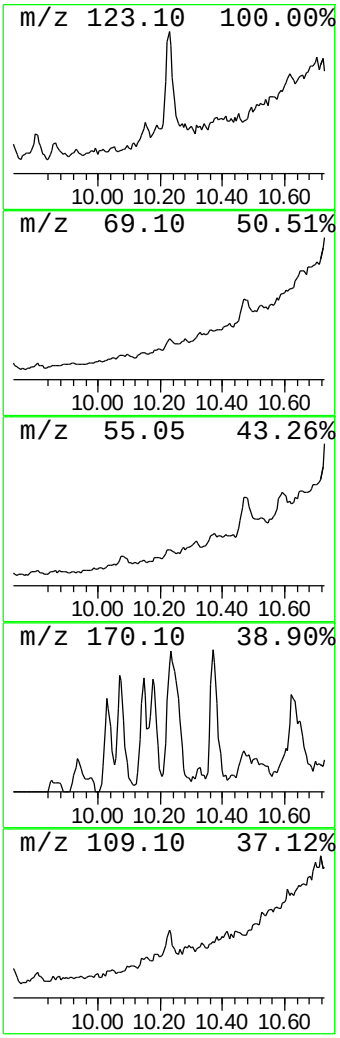
Peak Number 12 unknown10.23 Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.23	11.95 ng	300124	Acenaphthene-d10	9.83

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2,6-Naphthalenedione, octahydro-...	208	C13H20O2	057289-16-4	46
2	Benzamide, 4-fluoro-N-(5H-tetraz...	207	C8H6FN5O	1000262-68-4	38
3	4,4-Dimethoxy-2,5-cyclohexadien-...	154	C8H10O3	000935-50-2	38
4	(Phenylthio)acetic acid, cyclobu...	222	C12H14O2S	1000299-95-5	30
5	4-Fluorobenzoic acid, 4-pentadec...	350	C22H35FO2	1000280-68-5	27





Data Path : Z:\HPCHEM1\BNA F\DATA\BF102817\
Data File : BF099912.D
Acq On : 28 Oct 2017 12:53
Operator : SJ/JU
Sample : I6138-05
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : 220-3A-B-CONCRETE

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF102317.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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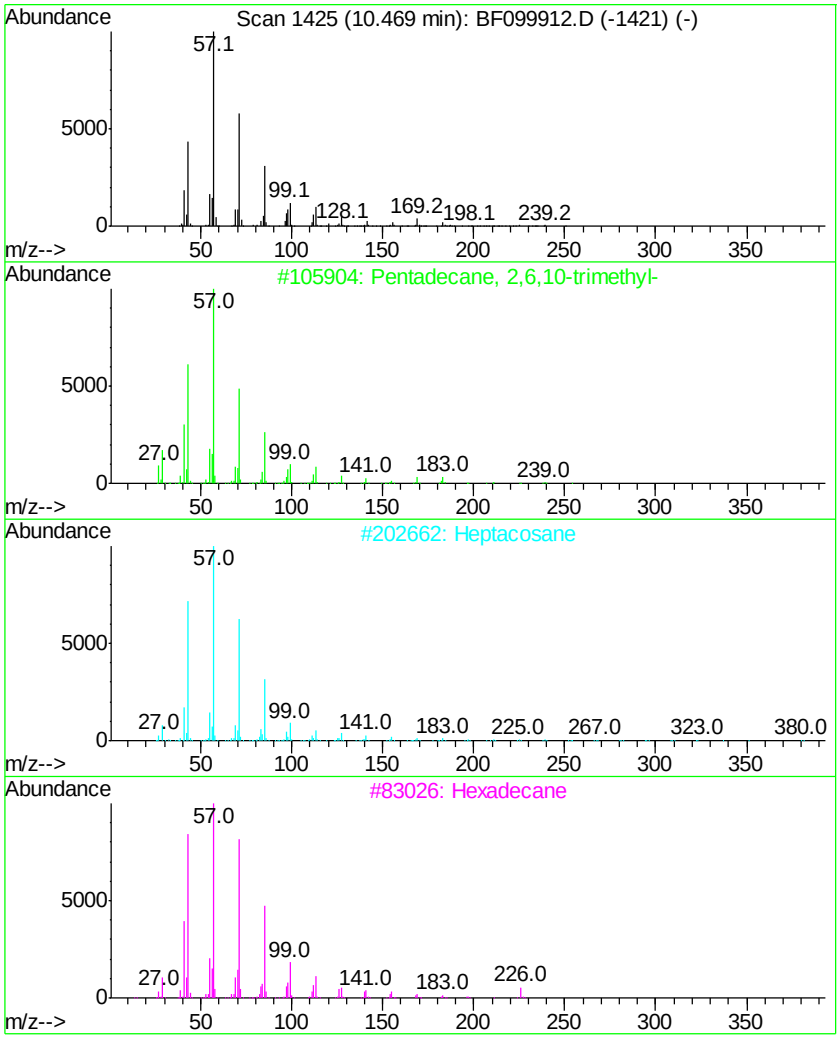
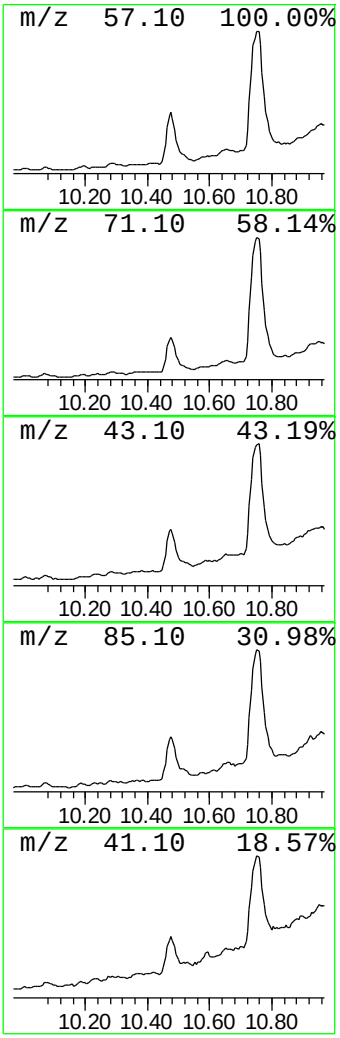
Peak Number 13 Pentadecane, 2,6,10-trimethyl- Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.47	68.72 ng	1725980	Acenaphthene-d10	9.83

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pentadecane, 2,6,10-trimethyl-	254	C18H38	003892-00-0	90
2	Heptacosane	380	C27H56	000593-49-7	86
3	Hexadecane	226	C16H34	000544-76-3	83
4	Hexadecane, 2,6,10,14-tetramethyl-	282	C20H42	000638-36-8	80
5	Docosane	310	C22H46	000629-97-0	80





Data Path : Z:\HPCHEM1\BNA F\DATA\BF102817\
Data File : BF099912.D
Acq On : 28 Oct 2017 12:53
Operator : SJ/JU
Sample : I6138-05
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : 220-3A-B-CONCRETE

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF102317.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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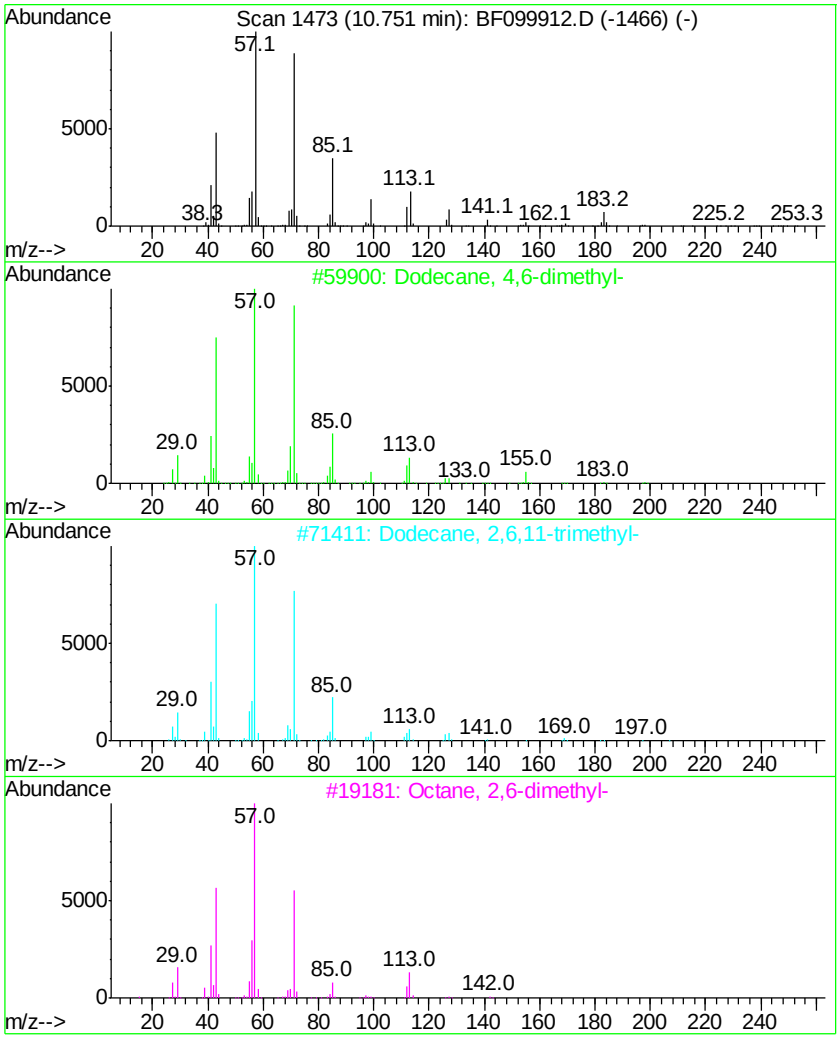
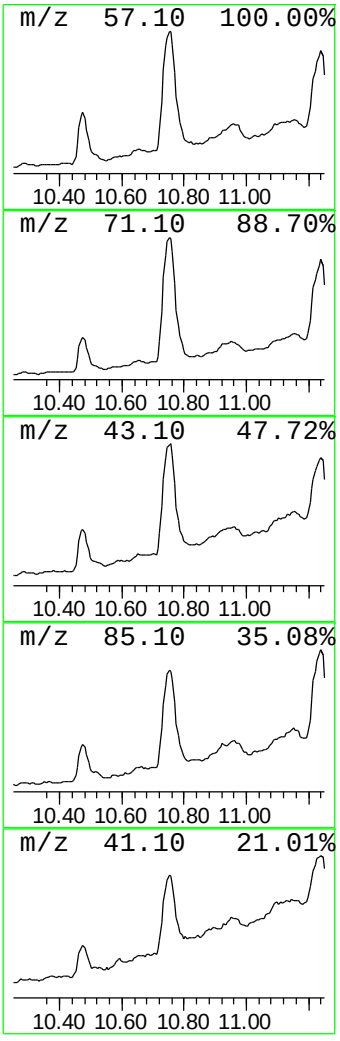
Peak Number 14 Dodecane, 4,6-dimethyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.75	20.00 ng	5968160	Phenanthrene-d10	11.34

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dodecane, 4,6-dimethyl-	198	C14H30	061141-72-8	87
2	Dodecane, 2,6,11-trimethyl-	212	C15H32	031295-56-4	72
3	Octane, 2,6-dimethyl-	142	C10H22	002051-30-1	72
4	Heptane, 3-ethyl-5-methyl-	142	C10H22	052896-90-9	64
5	Hexadecane, 2,6,10,14-tetramethyl-	282	C20H42	000638-36-8	58





Tentatively Identified Compound (LSC) summary

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF102817\
Data File : BF099912.D
Acq On : 28 Oct 2017 12:53
Operator : SJ/JU
Sample : I6138-05
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : 220-3A-B-CONCRETE

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF102317.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

					Internal Standard			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc
2-Pentanone	2.16	5.0	ng	115290	1	6.79	465289	20.0
2-Pentene, 4,4-di...	4.38	3.6	ng	83949	1	6.79	465289	20.0
2-Pentanone, 4-hy...	5.00	21.7	ng	505116	1	6.79	465289	20.0
unknown6.56	6.56	52.5	ng	1221020	1	6.79	465289	20.0
Heptanoic acid	7.19	2.7	ng	63446	1	6.79	465289	20.0
Nonanoic acid	8.45	2.1	ng	62374	2	8.07	584880	20.0
2-Octanone	9.25	3.2	ng	80025	3	9.83	502357	20.0
1,3-Isobenzofuran...	9.39	2.4	ng	60161	3	9.83	502357	20.0
Decahydro-4,4,8,9...	9.73	3.4	ng	84332	3	9.83	502357	20.0
Tetrapentacontane...	10.07	6.2	ng	154645	3	9.83	502357	20.0
unknown10.23	10.23	11.9	ng	300124	3	9.83	502357	20.0
Pentadecane, 2,6,...	10.47	68.7	ng	1725980	3	9.83	502357	20.0
Dodecane, 4,6-dim...	10.75	20.0	ng	5968160	4	11.34	5968160	20.0