LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA F\DATA\BF020718\
Data File : BF102840.D
Acq On : 8 Feb 2018 3:04
Operator : SJ/JU
Sample : J1466-01
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : FRAC-TANK

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-BF020318.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	2.163	7	13	23	rVB	1382671	1790621	3.02%	1.480%
2	3.399	216	223	236	rVB	594121	1049598	1.77%	0.867%
3	3.863	296	302	311	rBV	632604	839752	1.42%	0.694%
4	3.975	316	321	334	rVB	765087	1028890	1.73%	0.850%
5	5.098	509	512	517	rBV	706115	1239692	2.09%	1.024%
6	5.151	517	521	529	rVB	889473	1435784	2.42%	1.187%
7	5.481	573	577	579	rBV	890341	1008638	1.70%	0.834%
8	5.740	616	621	622	rBV	725136	745196	1.26%	0.616%
9	5.875	622	644	647	rVB3	9783313	59343341	100.00%	49.041%
10	6.416	732	736	738	rBV	783462	692938	1.17%	0.573%
11	6.710	782	786	789	rVB	1862906	1470300	2.48%	1.215%
12	6.887	812	816	819	rBV	1325820	1099603	1.85%	0.909%
13	6.939	822	825	828	rVV	1345855	1101463	1.86%	0.910%
14	7.045	836	843	845	rVV	4038826	3841286	6.47%	3.174%
15	7.451	908	912	915	rVB	3276388	3149591	5.31%	2.603%
16	8.069	1013	1017	1020	rBV	2415545	2136675	3.60%	1.766%
17	8.198	1026	1039	1041	rVV2	6551517	8768874	14.78%	7.247%
18	8.228	1041	1044	1050	rVB2	1092815	1306874	2.20%	1.080%
19	8.881	1148	1155	1158	rBV	2149826	2074910	3.50%	1.715%
20	8.981	1167	1172	1175	rBV	773168	690207	1.16%	0.570%
21	9.245	1212	1217	1220	rBV	4649077	4544934	7.66%	3.756%
22	9.692	1285	1293	1296	rBV	6670100	9452302	15.93%	7.811%
23	9.922	1327	1332	1335	rBV2	1401387	1247036	2.10%	1.031%
24	11.027	1516	1520	1523	rBV	3805694	3815570	6.43%	3.153%
25	11.410	1581	1585	1588	rBV	1309444	1120480	1.89%	0.926%
26	12.186	1714	1717	1720	rBV	1037684	1095443	1.85%	0.905%
27	12.998	1850	1855	1858	rBV	3424632	3357721	5.66%	2.775%
28	14.051	2031	2034	2037	rVB	885397	771727	1.30%	0.638%
29	15.533	2282	2286	2295	rVB	512834	788708	1.33%	0.652%

Sum of corrected areas: 121008154

LSC Report - Integrated Chromatogram

Data Path : Z:\HPCHEM1\BNA F\DATA\BF020718\
Data File : BF102840.D
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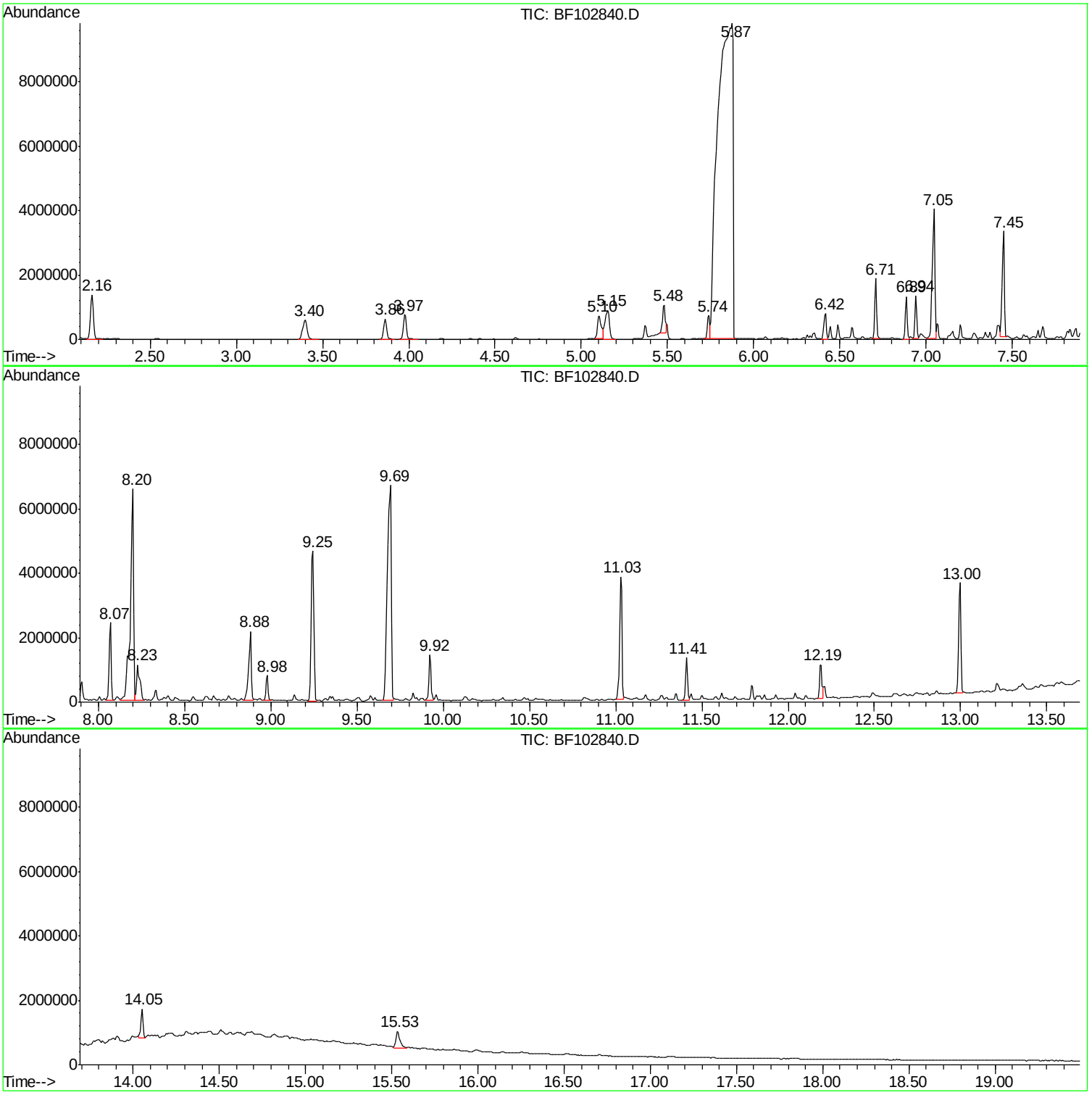
Operator : SJ/JU
Sample : J1466-01
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : FRAC-TANK

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF020318.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

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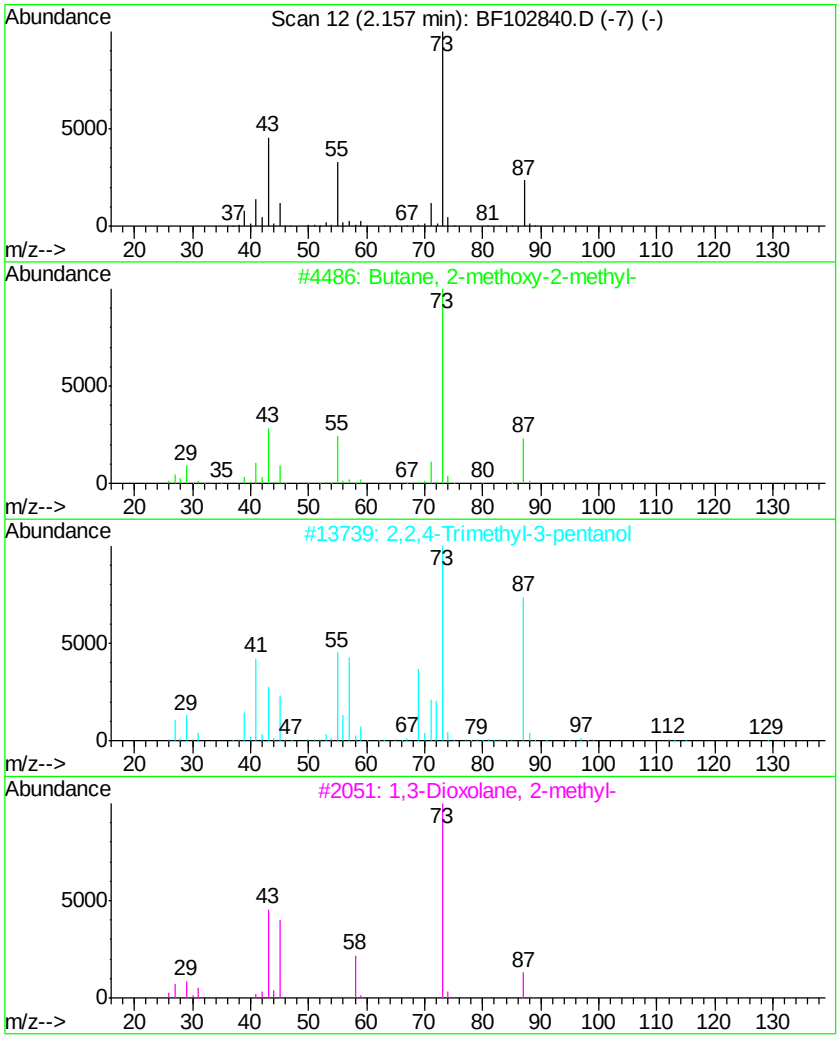
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

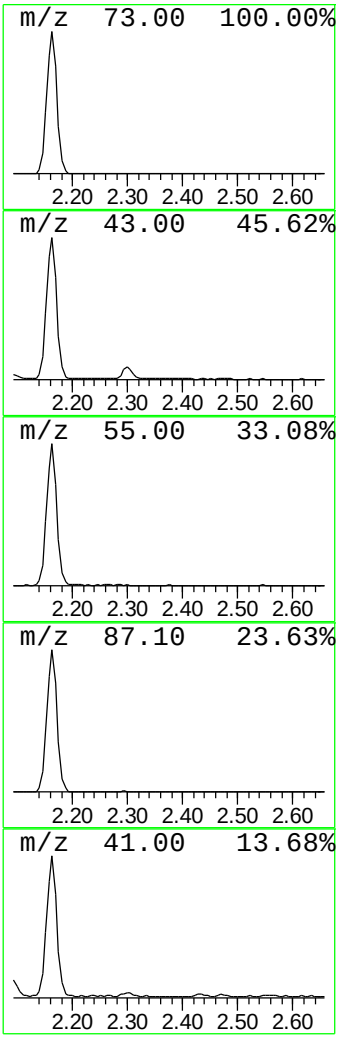
****

Peak Number 1 Butane, 2-methoxy-2-methyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.16	32.57 ng	1790620	1,4-Dichlorobenzene-d4	6.89

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Butane, 2-methoxy-2-methyl-	102	C6H14O	000994-05-8	83
2	2,2,4-Trimethyl-3-pentanol	130	C8H18O	005162-48-1	40
3	1,3-Dioxolane, 2-methyl-	88	C4H8O2	000497-26-7	28
4	3-Pentanol, 2,4-dimethyl-	116	C7H16O	000600-36-2	23
5	Silane, tetramethyl-	88	C4H12Si	000075-76-3	17





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Operator : SJ/JU
Sample : J1466-01
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : FRAC-TANK

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF020318.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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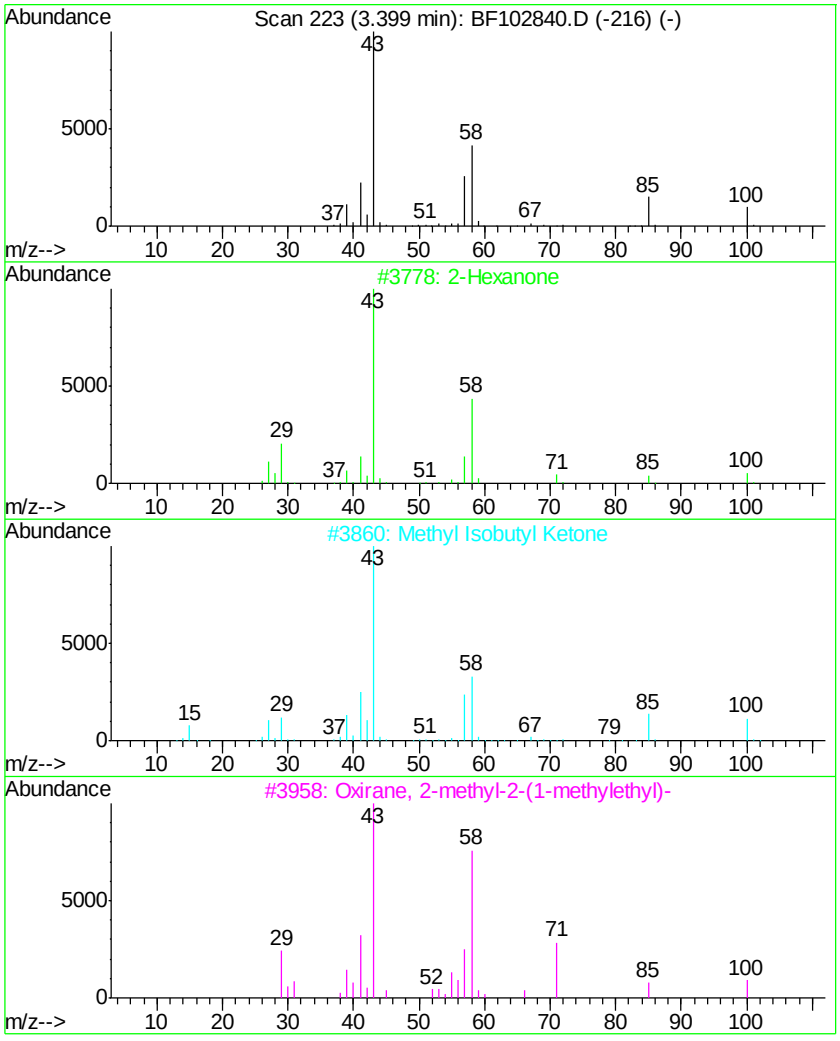
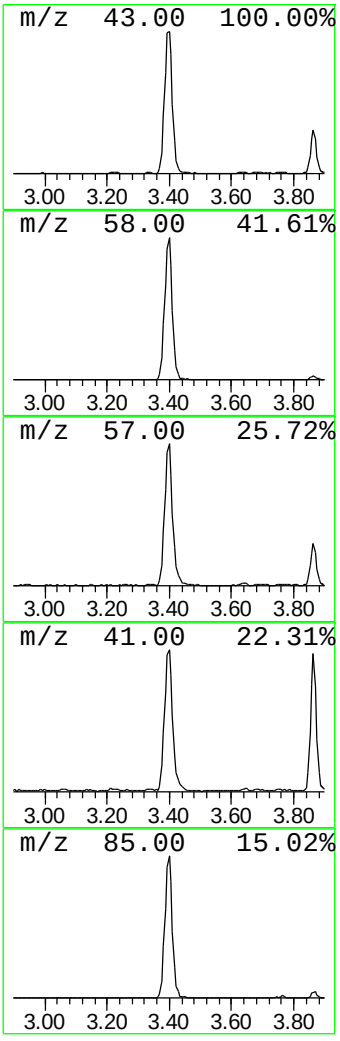
Peak Number 2 2-Hexanone Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.40	19.09 ng	1049600	1,4-Dichlorobenzene-d4	6.89

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Hexanone	100	C6H12O	000591-78-6	83
2	Methyl Isobutyl Ketone	100	C6H12O	000108-10-1	80
3	Oxirane, 2-methyl-2-(1-methyleth...	100	C6H12O	072221-03-5	64
4	1-Propen-2-ol, acetate	100	C5H8O2	000108-22-5	38
5	Pentanal, 2-methyl-	100	C6H12O	000123-15-9	36





Library Search Compound Report

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Acq On : 8 Feb 2018 3:04
Operator : SJ/JU
Sample : J1466-01
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : FRAC-TANK

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF020318.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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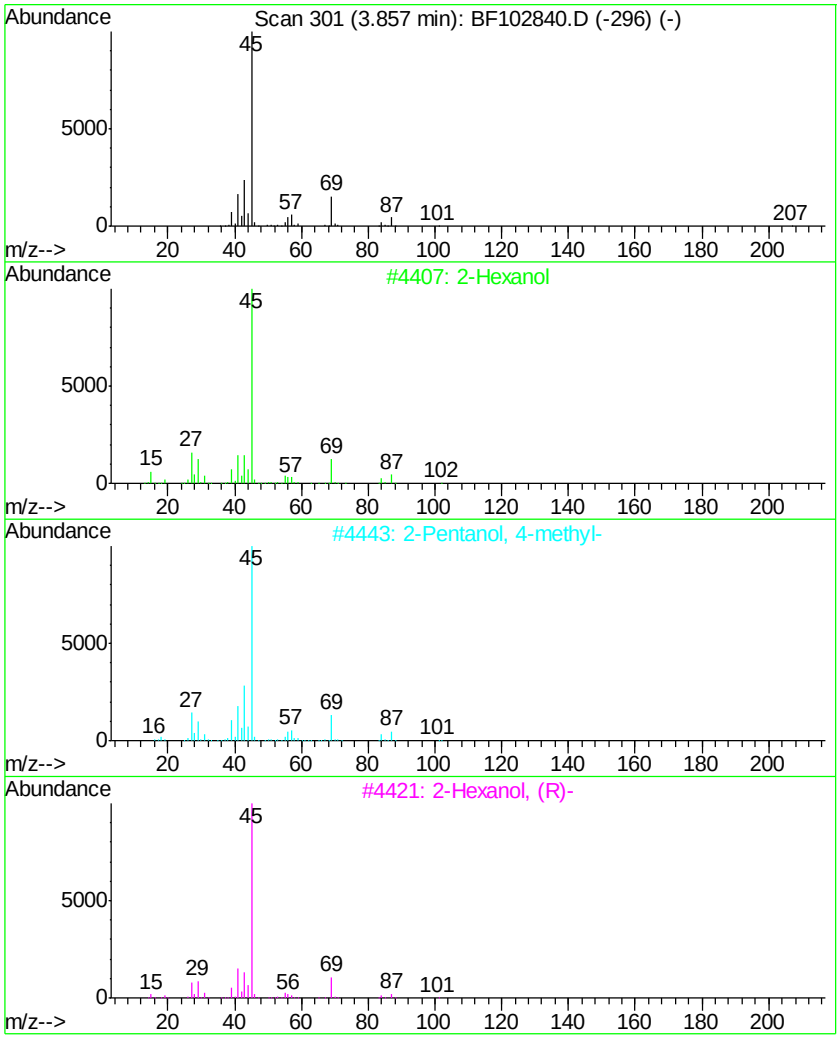
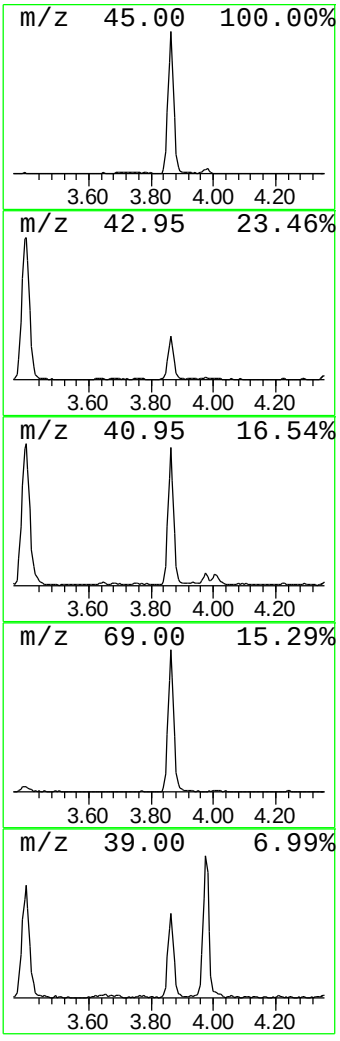
Peak Number 3 2-Hexanol Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.86	15.27 ng	839752	1,4-Dichlorobenzene-d4	6.89

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Hexanol	102	C6H14O	000626-93-7	83
2	2-Pentanol, 4-methyl-	102	C6H14O	000108-11-2	83
3	2-Hexanol, (R)-	102	C6H14O	026549-24-6	78
4	2-Nonanol	144	C9H20O	000628-99-9	64
5	2-Octanol	130	C8H18O	000123-96-6	64





Data Path : Z:\HPCHEM1\BNA F\DATA\BF020718\
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Sample : J1466-01
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : FRAC-TANK

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF020318.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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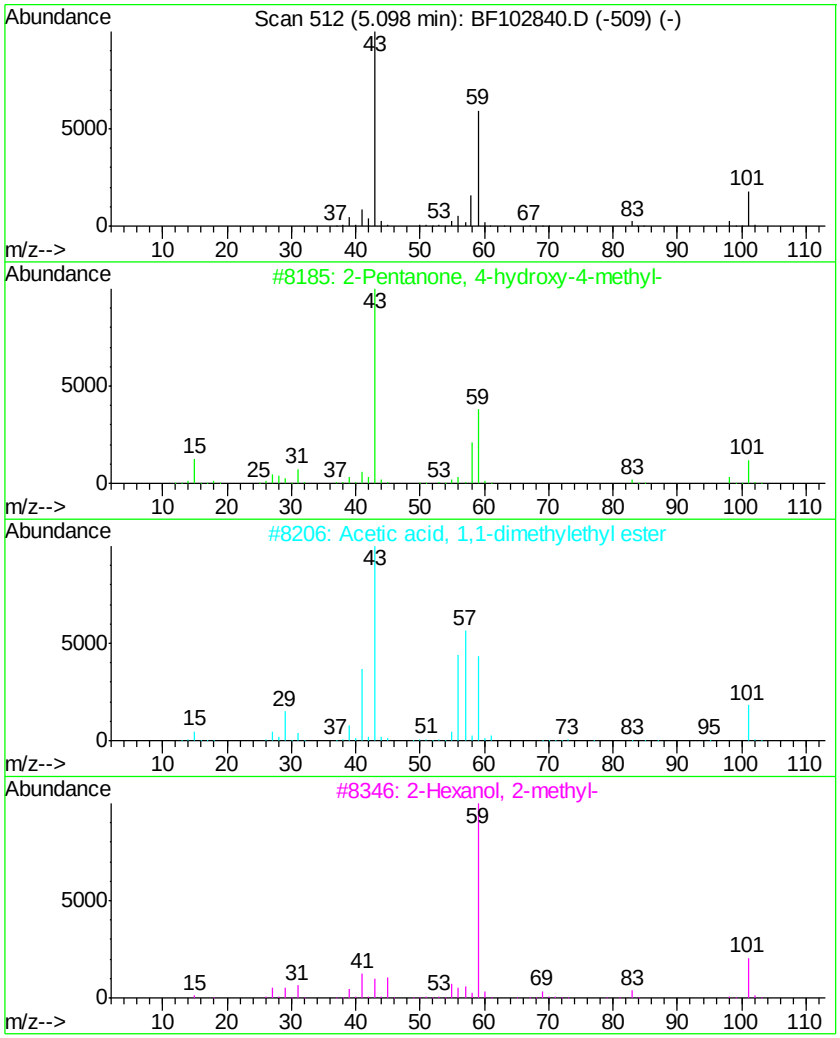
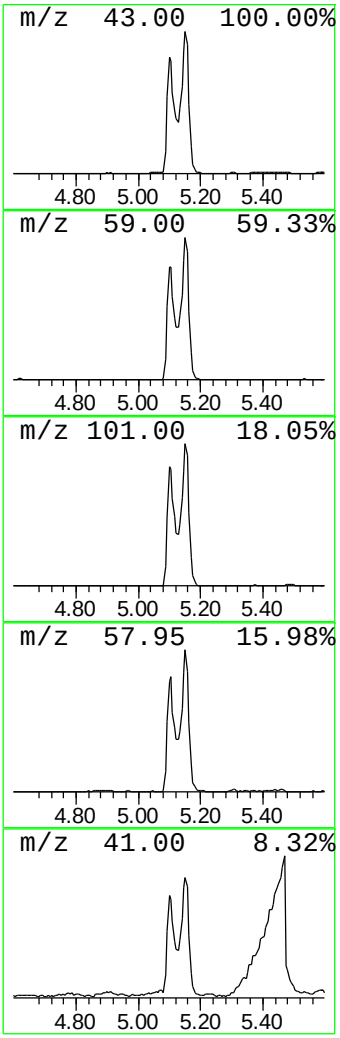
Peak Number 5 2-Pentanone, 4-hydroxy-4-me... Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.10	22.55 ng	1239690	1,4-Dichlorobenzene-d4	6.89

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	50
2	Acetic acid, 1,1-dimethylethyl e...	116	C6H12O2	000540-88-5	39
3	2-Hexanol, 2-methyl-	116	C7H16O	000625-23-0	33
4	Propane, 2-methyl-2-(1-methyleth...	116	C7H16O	017348-59-3	33
5	3-Hexanol, 4-methyl-	116	C7H16O	000615-29-2	33





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Instrument : BNA_F
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Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF020318.M
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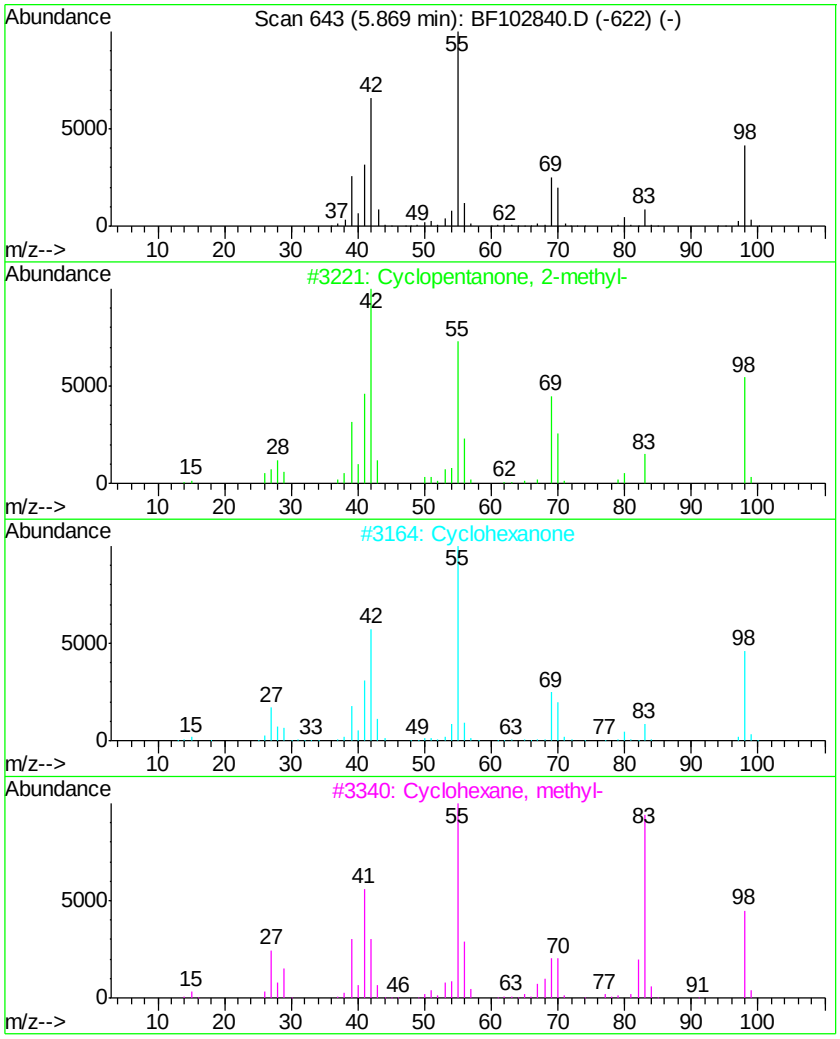
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

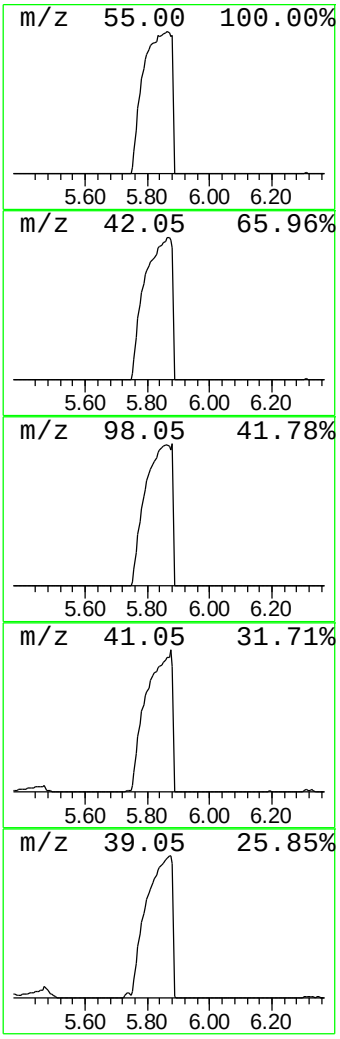
****

Peak Number 9 Cyclopentanone, 2-methyl- Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.87	1079.36 ng	59343300	1,4-Dichlorobenzene-d4	6.89

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopentanone, 2-methyl-	98	C6H10O	001120-72-5	95
2	Cyclohexanone	98	C6H10O	000108-94-1	91
3	Cyclohexane, methyl-	98	C7H14	000108-87-2	53
4	3-Penten-2-one, 3-methyl-	98	C6H10O	000565-62-8	43
5	1-Pentene	70	C5H10	000109-67-1	38





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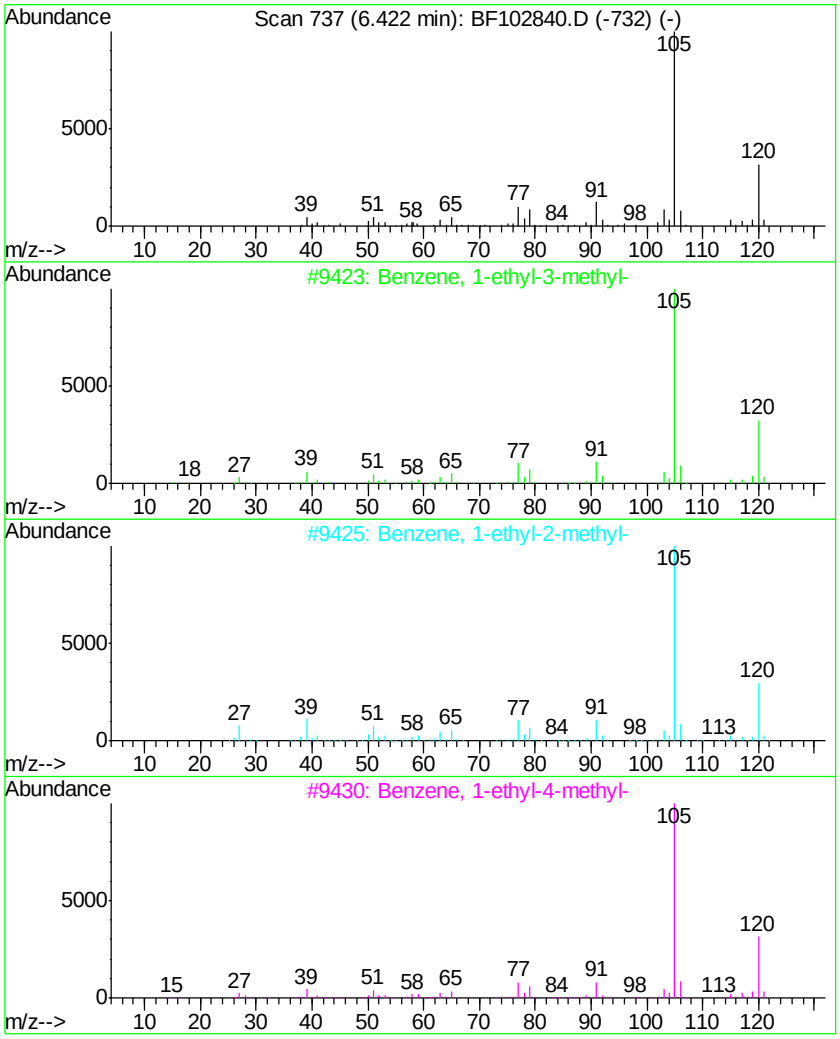
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

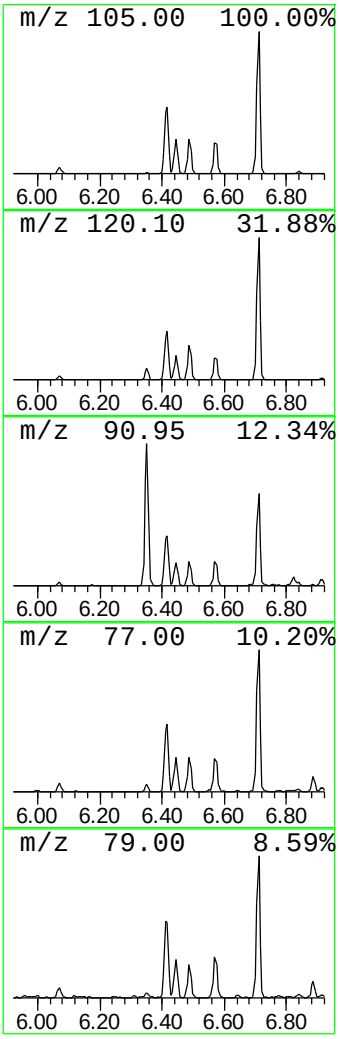
****

Peak Number 10 Benzene, 1-ethyl-3-methyl- Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.42	12.60 ng	692938	1,4-Dichlorobenzene-d4	6.89

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-ethyl-3-methyl-	120	C9H12	000620-14-4	95
2	Benzene, 1-ethyl-2-methyl-	120	C9H12	000611-14-3	95
3	Benzene, 1-ethyl-4-methyl-	120	C9H12	000622-96-8	91
4	Benzene, 1,2,3-trimethyl-	120	C9H12	000526-73-8	91
5	Mesitylene	120	C9H12	000108-67-8	91





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Instrument : BNA_F
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Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF020318.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

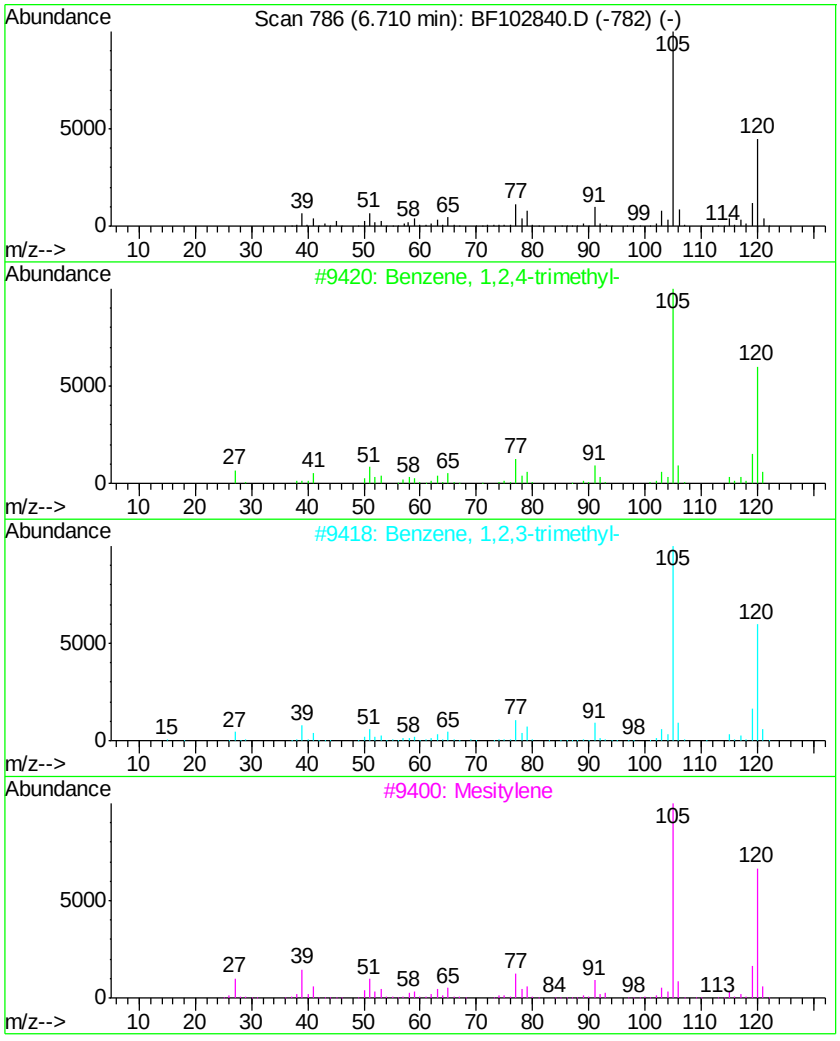
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

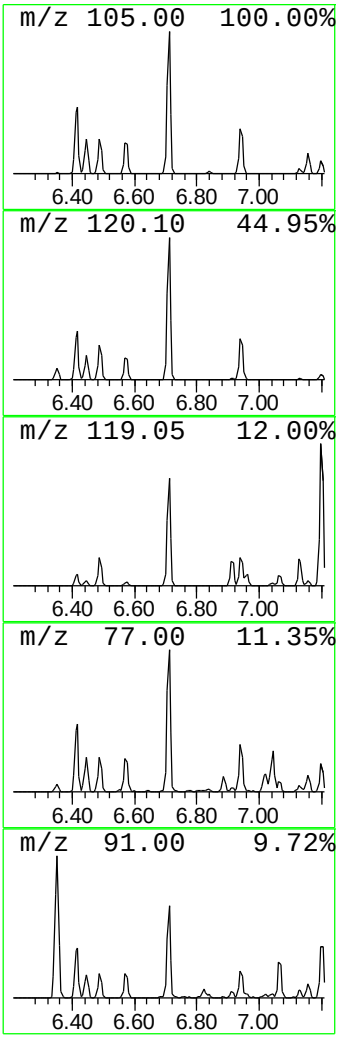
****

Peak Number 11 Benzene, 1,2,4-trimethyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.71	26.74 ng	1470300	1,4-Dichlorobenzene-d4	6.89

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1,2,4-trimethyl-	120	C9H12	000095-63-6	95
2	Benzene, 1,2,3-trimethyl-	120	C9H12	000526-73-8	95
3	Mesitylene	120	C9H12	000108-67-8	93
4	Benzene, 1-ethyl-4-methyl-	120	C9H12	000622-96-8	90
5	Benzene, 1-ethyl-3-methyl-	120	C9H12	000620-14-4	87





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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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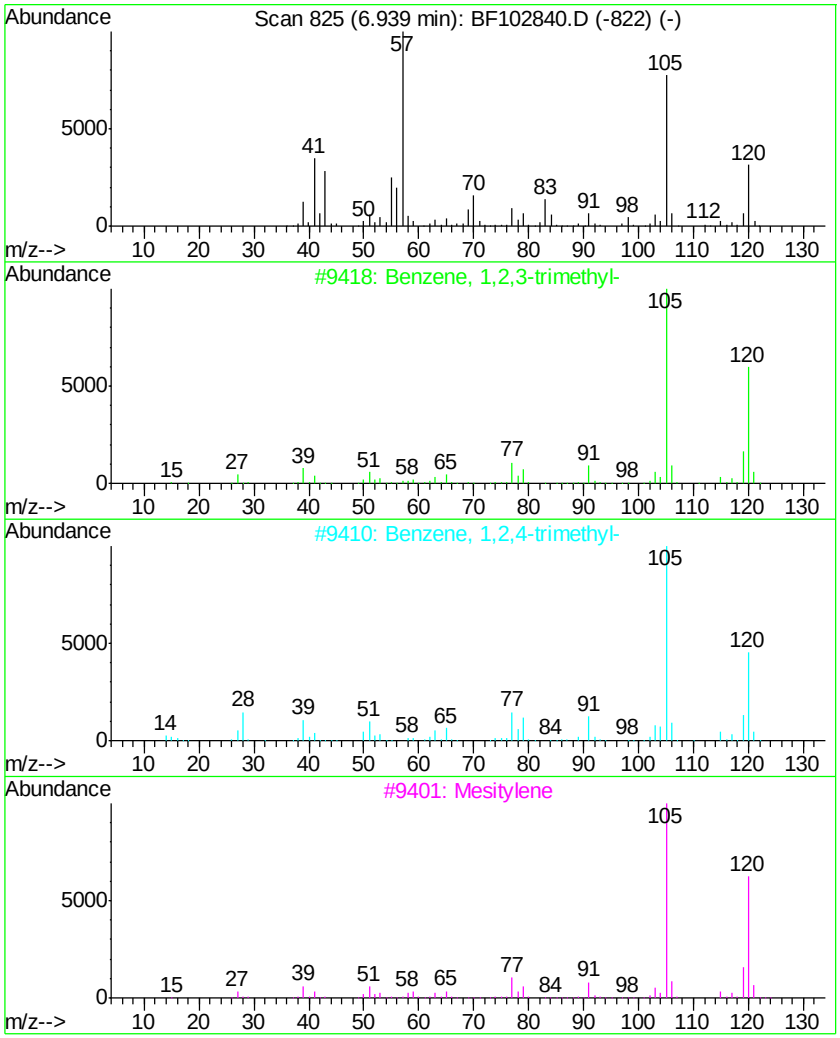
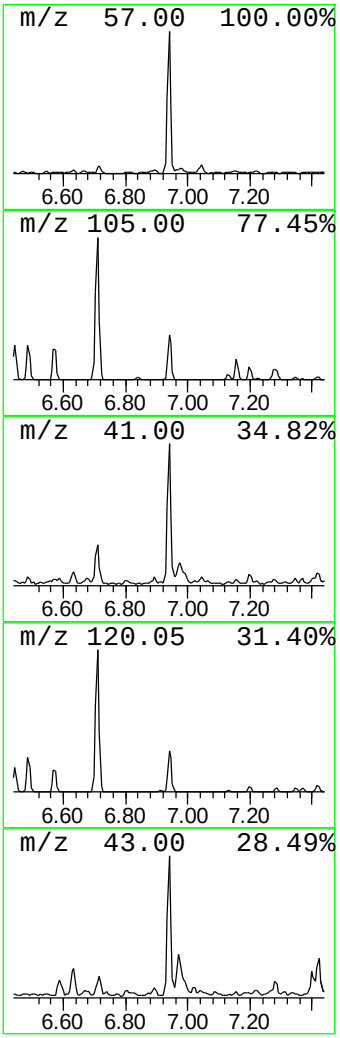
Peak Number 12 Benzene, 1,2,3-trimethyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.94	20.03 ng	1101460	1,4-Dichlorobenzene-d4	6.89

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1,2,3-trimethyl-	120	C9H12	000526-73-8	86
2	Benzene, 1,2,4-trimethyl-	120	C9H12	000095-63-6	55
3	Mesitylene	120	C9H12	000108-67-8	52
4	Benzene, 1-ethyl-3-methyl-	120	C9H12	000620-14-4	46
5	Benzene, 1-ethyl-2-methyl-	120	C9H12	000611-14-3	46





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Instrument : BNA_F
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Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF020318.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

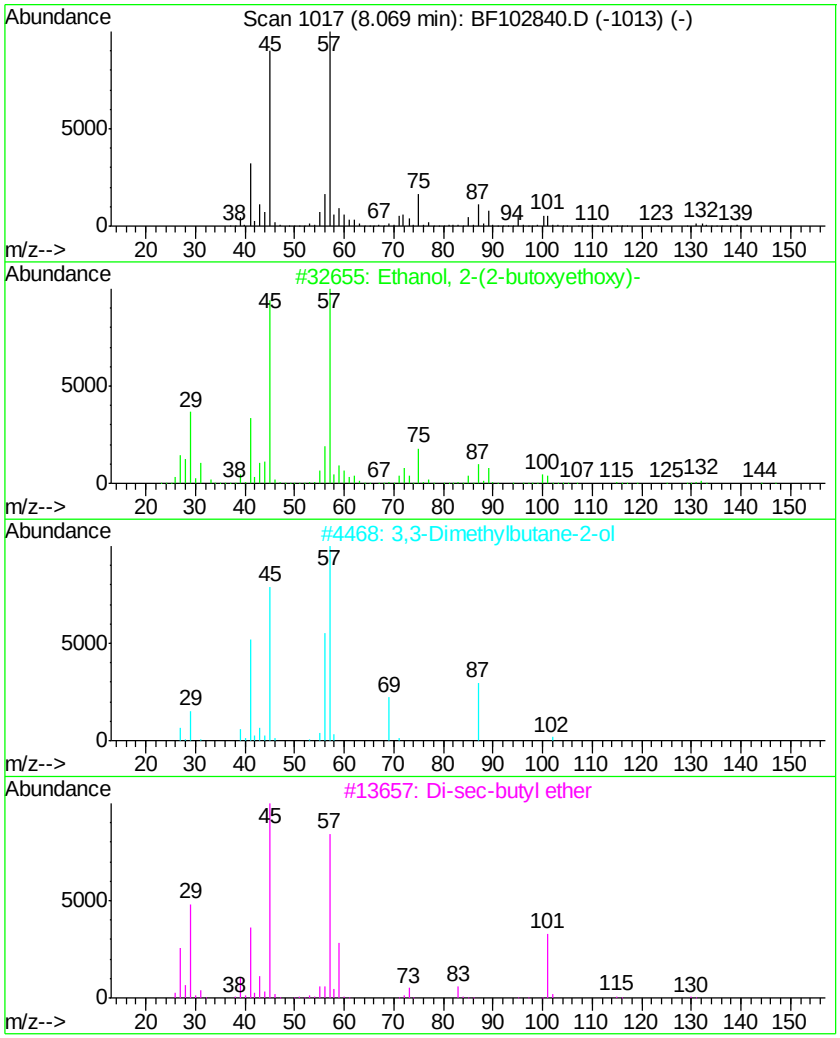
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

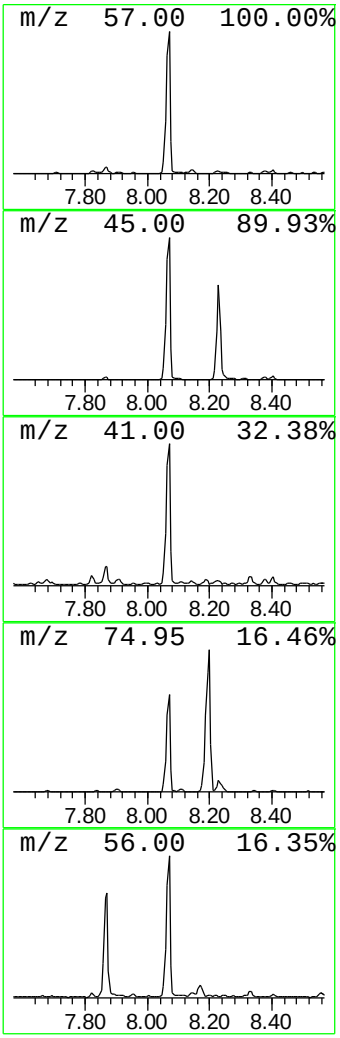
****

Peak Number 14 Ethanol, 2-(2-butoxyethoxy)- Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.07	4.87 ng	2136680	Naphthalene-d8	8.17

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Ethanol, 2-(2-butoxyethoxy)-	162	C8H18O3	000112-34-5	90
2	3,3-Dimethylbutane-2-ol	102	C6H14O	000464-07-3	53
3	Di-sec-butyl ether	130	C8H18O	006863-58-7	50
4	Butane, 1-methoxy-	88	C5H12O	000628-28-4	43
5	1-Methoxy-3-methyl-3-butene	100	C6H12O	034752-58-4	43





Data Path : Z:\HPCHEM1\BNA F\DATA\BF020718\
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Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF020318.M
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TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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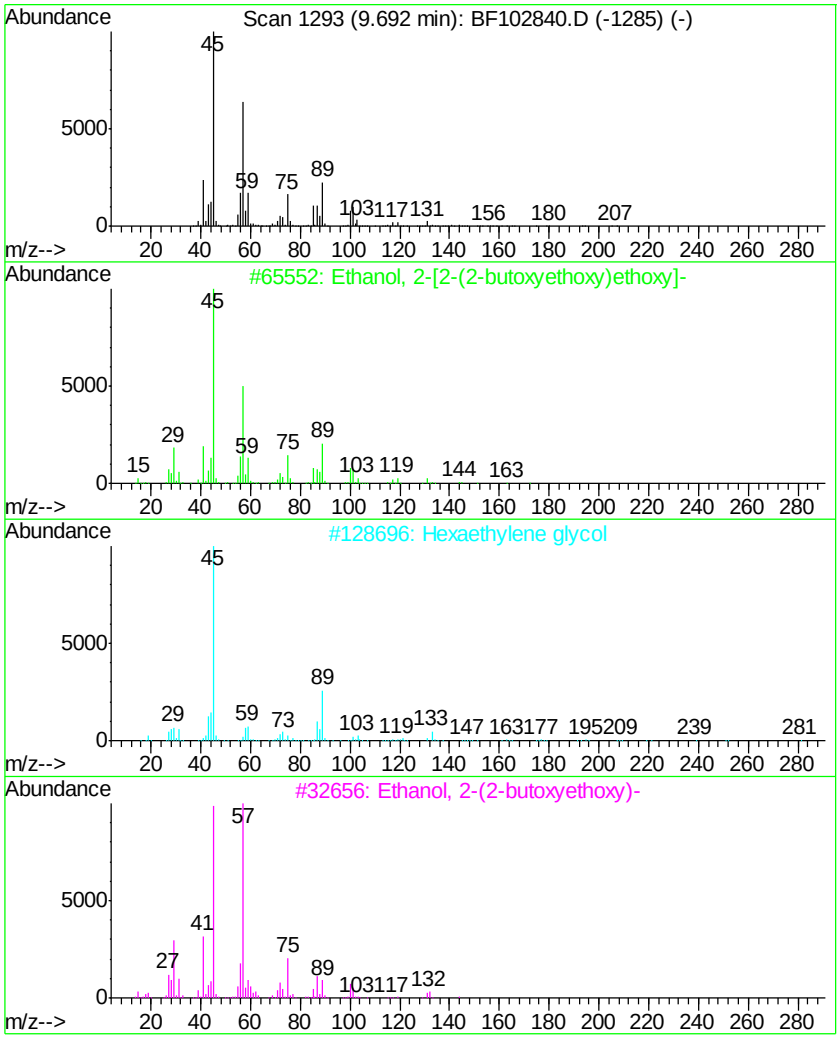
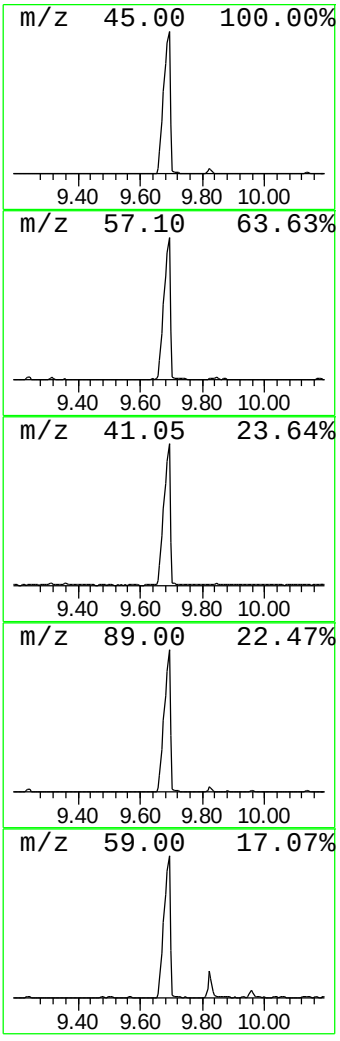
Peak Number 15 Ethanol, 2-[2-(2-butoxyetho... Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.69	151.60 ng	9452300	Acenaphthene-d10	9.92

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Ethanol, 2-[2-(2-butoxyethoxy)et...	206	C10H22O4	000143-22-6	91
2	Hexaethylene glycol	282	C12H26O7	002615-15-8	64
3	Ethanol, 2-(2-butoxyethoxy)-	162	C8H18O3	000112-34-5	64
4	Ethanol, 1-(2-butoxyethoxy)-	162	C8H18O3	054446-78-5	64
5	Tetraethylene glycol	194	C8H18O5	000112-60-7	59





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Acq On : 8 Feb 2018 3:04
Operator : SJ/JU
Sample : J1466-01
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : FRAC-TANK

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF020318.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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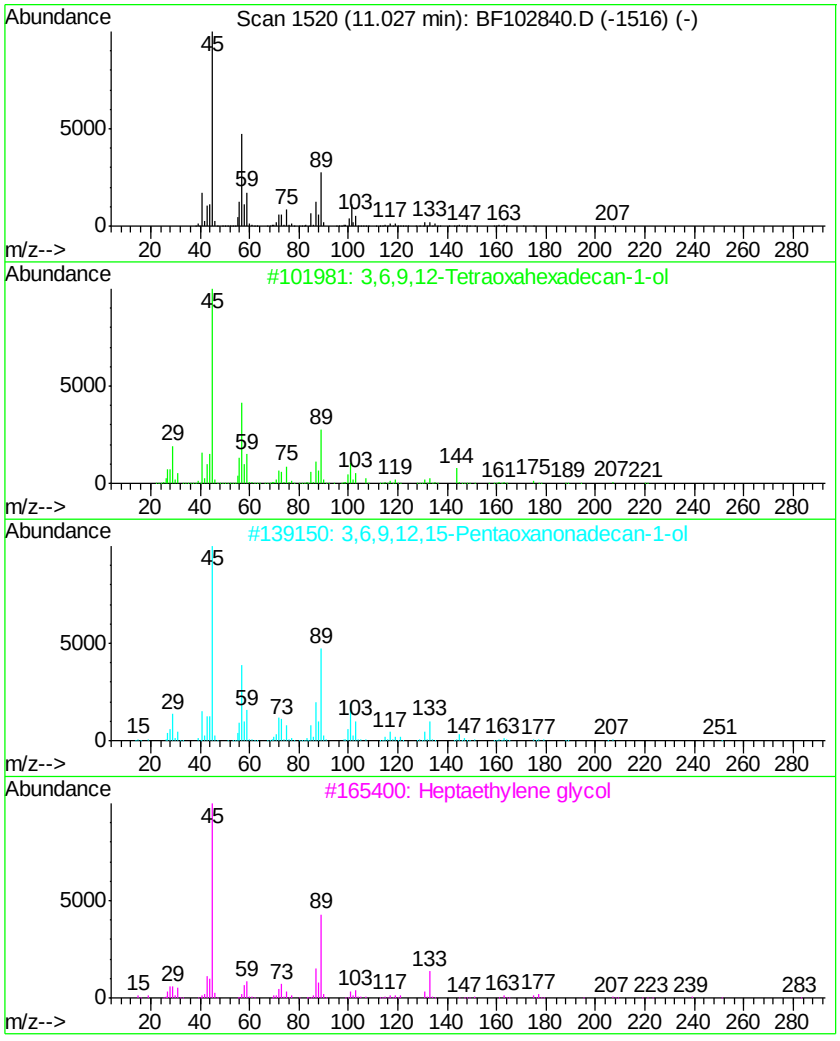
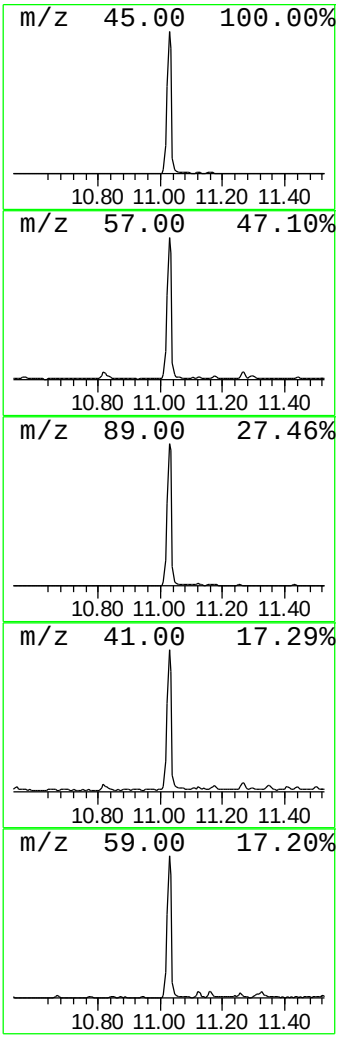
Peak Number 16 3,6,9,12-Tetraoxahexadecan-... Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.03	68.11 ng	3815570	Phenanthrene-d10	11.41

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3,6,9,12-Tetraoxahexadecan-1-ol	250	C12H26O5	001559-34-8	91
2	3,6,9,12,15-Pentaoxanonadecan-1-ol	294	C14H30O6	001786-94-3	90
3	Heptaethylene glycol	326	C14H30O8	005617-32-3	64
4	Hexaethylene glycol	282	C12H26O7	002615-15-8	64
5	12-Crown-4	176	C8H16O4	000294-93-9	64





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Data File : BF102840.D
Acq On : 8 Feb 2018 3:04
Operator : SJ/JU
Sample : J1466-01
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : FRAC-TANK

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF020318.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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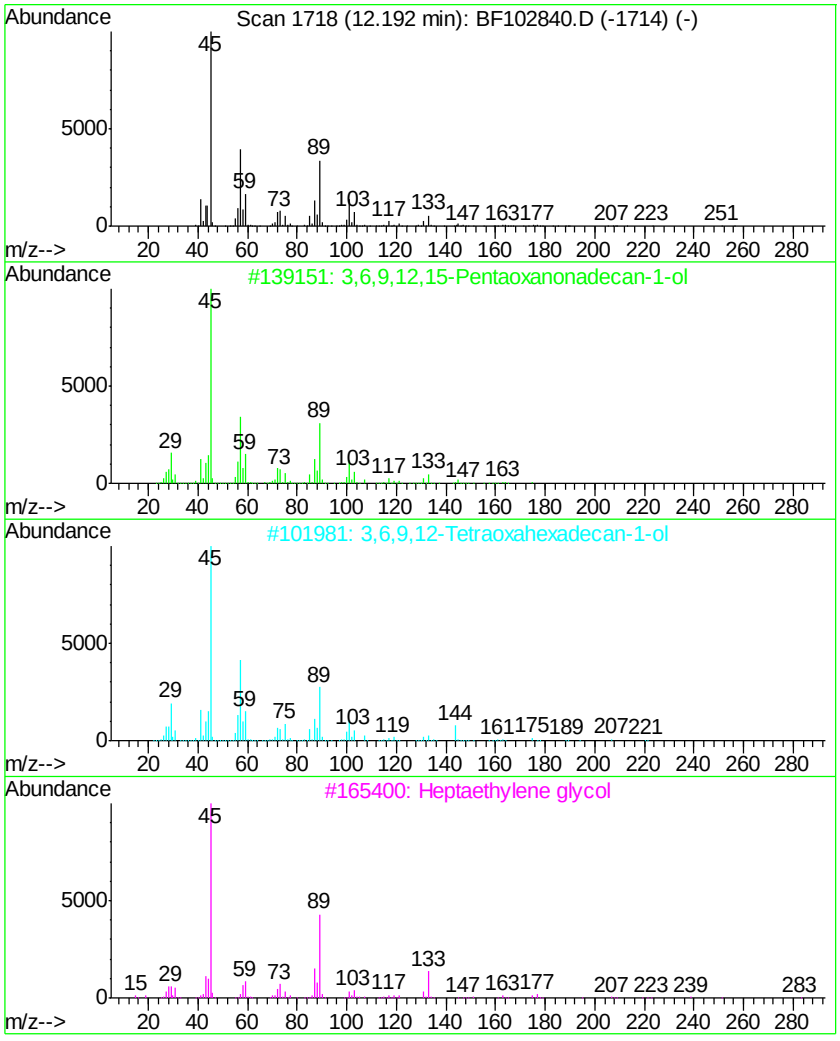
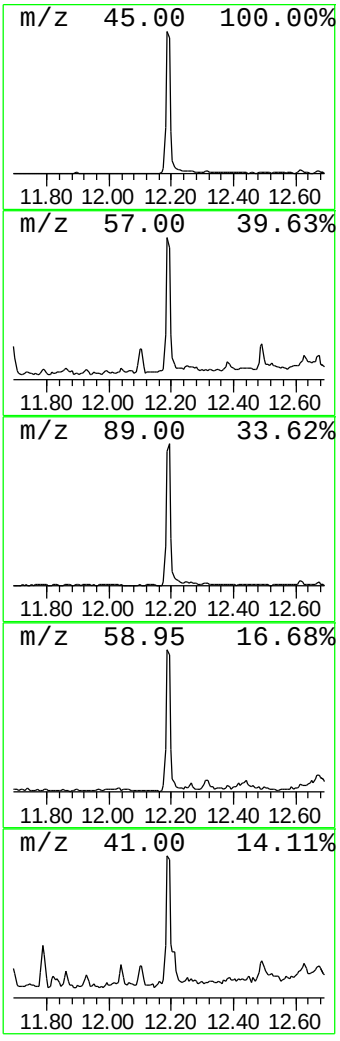
Peak Number 17 3,6,9,12,15-Pentaoxanonadec... Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.19	19.55 ng	1095440	Phenanthrene-d10	11.41

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3,6,9,12,15-Pentaoxanonadecan-1-ol	294	C14H30O6	001786-94-3	91
2	3,6,9,12-Tetraoxahexadecan-1-ol	250	C12H26O5	001559-34-8	86
3	Heptaethylene glycol	326	C14H30O8	005617-32-3	80
4	2-[2-[2-[2-[2-[2-[2-[2-(2-Hyd...	458	C20H42O11	1000352-12-6	78
5	Pentaethylene glycol	238	C10H22O6	004792-15-8	72





Tentatively Identified Compound (LSC) summary

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF020718\
Data File : BF102840.D
Acq On : 8 Feb 2018 3:04
Operator : SJ/JU
Sample : J1466-01
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : FRAC-TANK

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF020318.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
Butane, 2-methoxy...	2.16	32.6	ng	1790620	1	6.89	1099600	20.0
2-Hexanone	3.40	19.1	ng	1049600	1	6.89	1099600	20.0
2-Hexanol	3.86	15.3	ng	839752	1	6.89	1099600	20.0
2-Pentanone, 4-hy...	5.10	22.6	ng	1239690	1	6.89	1099600	20.0
Cyclopentanone, 2...	5.87	1079.4	ng	59343300	1	6.89	1099600	20.0
Benzene, 1-ethyl-...	6.42	12.6	ng	692938	1	6.89	1099600	20.0
Benzene, 1,2,4-tr...	6.71	26.7	ng	1470300	1	6.89	1099600	20.0
Benzene, 1,2,3-tr...	6.94	20.0	ng	1101460	1	6.89	1099600	20.0
Ethanol, 2-(2-but...	8.07	4.9	ng	2136680	2	8.17	8768870	20.0
Ethanol, 2-[2-(2-...	9.69	151.6	ng	9452300	3	9.92	1247040	20.0
3,6,9,12-Tetraoxa...	11.03	68.1	ng	3815570	4	11.41	1120480	20.0
3,6,9,12,15-Penta...	12.19	19.6	ng	1095440	4	11.41	1120480	20.0