LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA G\DATA\BG020618\
Data File : BG032589.D
Acq On : 7 Feb 2018 8:04
Operator : SJ/JU
Sample : J1455-09
Misc : MDL-W-8 ppm
ALS Vial : 23 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : LW-04-B

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_G\METHODS\8270-BG012918.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	3.367	6	13	22	rBV5	16205	38409	1.71%	0.416%
2	3.461	23	29	40	rVB	59660	99480	4.44%	1.078%
3	6.146	478	486	499	rBV	101571	199000	8.88%	2.157%
4	7.826	766	772	789	rBV2	52994	128557	5.74%	1.393%
5	8.220	832	839	854	rBV	251523	500445	22.34%	5.424%
6	8.708	915	922	931	rBV	45514	97198	4.34%	1.053%
7	9.043	971	979	996	rBV	233129	486528	21.72%	5.273%
8	9.906	1118	1126	1140	rBV2	188346	399194	17.82%	4.327%
9	11.581	1405	1411	1422	rBV	65313	140970	6.29%	1.528%
10	13.966	1810	1817	1832	rBV	792845	1324351	59.12%	14.354%
11	15.341	2044	2051	2057	rBV2	171866	293821	13.12%	3.185%
12	15.494	2073	2077	2082	rBV6	22478	39081	1.74%	0.424%
13	15.823	2126	2133	2139	rBV4	26724	53852	2.40%	0.584%
14	15.940	2148	2153	2157	rVB8	13476	22513	1.01%	0.244%
15	16.117	2179	2183	2187	rBV7	13799	27165	1.21%	0.294%
16	16.164	2187	2191	2193	rVV5	23050	40405	1.80%	0.438%
17	16.211	2195	2199	2210	rVB3	38830	91511	4.09%	0.992%
18	16.687	2273	2280	2287	rBV3	120945	277273	12.38%	3.005%
19	16.816	2296	2302	2314	rBV	693279	1202463	53.68%	13.033%
20	18.073	2510	2516	2526	rVB	226957	384315	17.16%	4.165%
21	18.890	2652	2655	2661	rBV5	29160	50592	2.26%	0.548%
22	20.611	2939	2948	2955	rBV	1681497	2239990	100.00%	24.278%
23	21.945	3170	3175	3182	rBV9	21071	42726	1.91%	0.463%
24	22.397	3245	3252	3266	rVB2	261370	518868	23.16%	5.624%
25	26.070	3863	3877	3891	rBV2	162333	527646	23.56%	5.719%

Sum of corrected areas: 9226353

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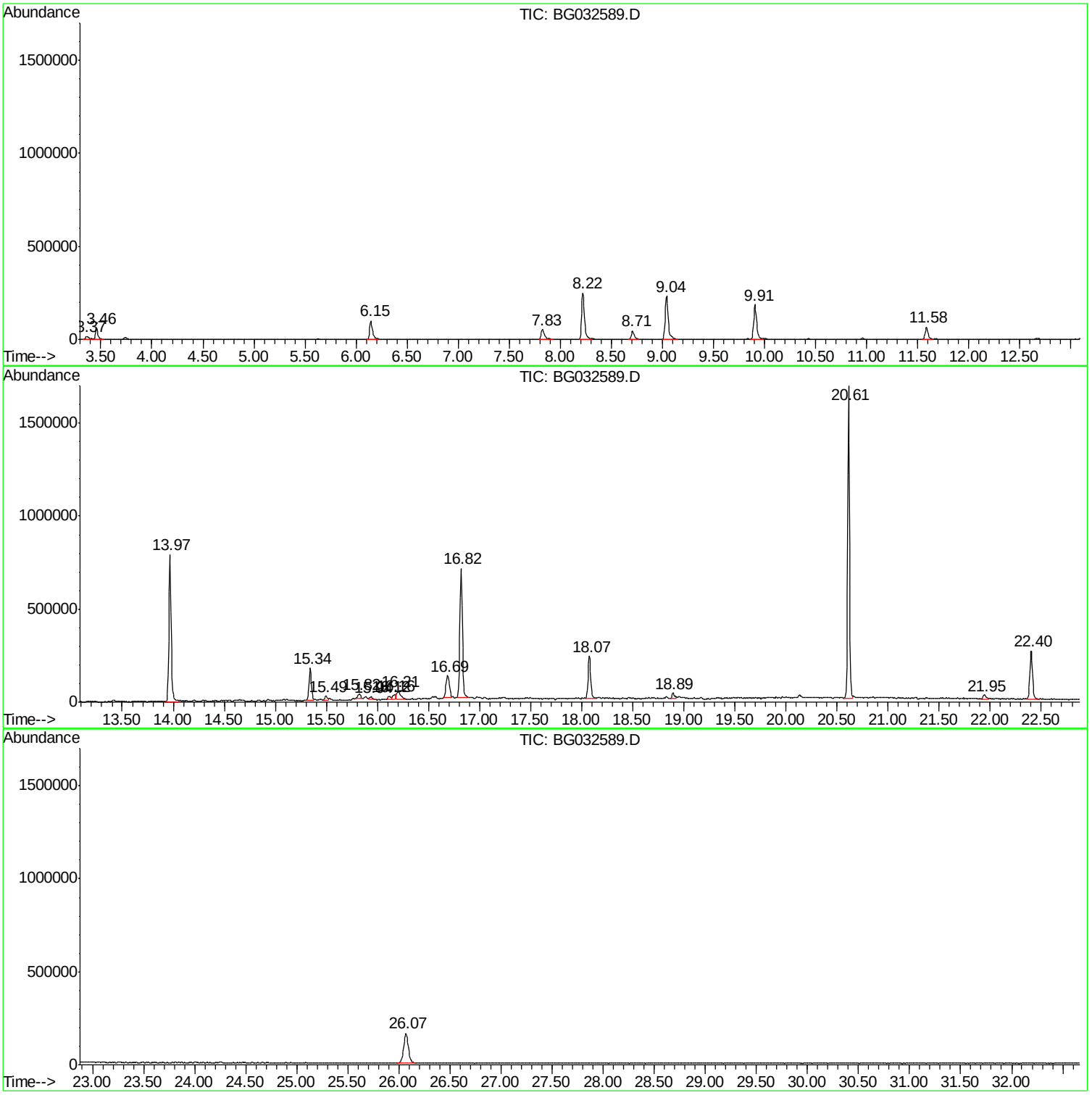
Misc : MDL-W-8 ppm
ALS Vial : 23 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
LW-04-B

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\8270-BG012918.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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



Data Path : Z:\HPCHEM1\BNA G\DATA\BG020618\
Data File : BG032589.D
Acq On : 7 Feb 2018 8:04
Operator : SJ/JU
Sample : J1455-09
Misc : MDL-W-8 ppm
ALS Vial : 23 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : LW-04-B

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\8270-BG012918.M
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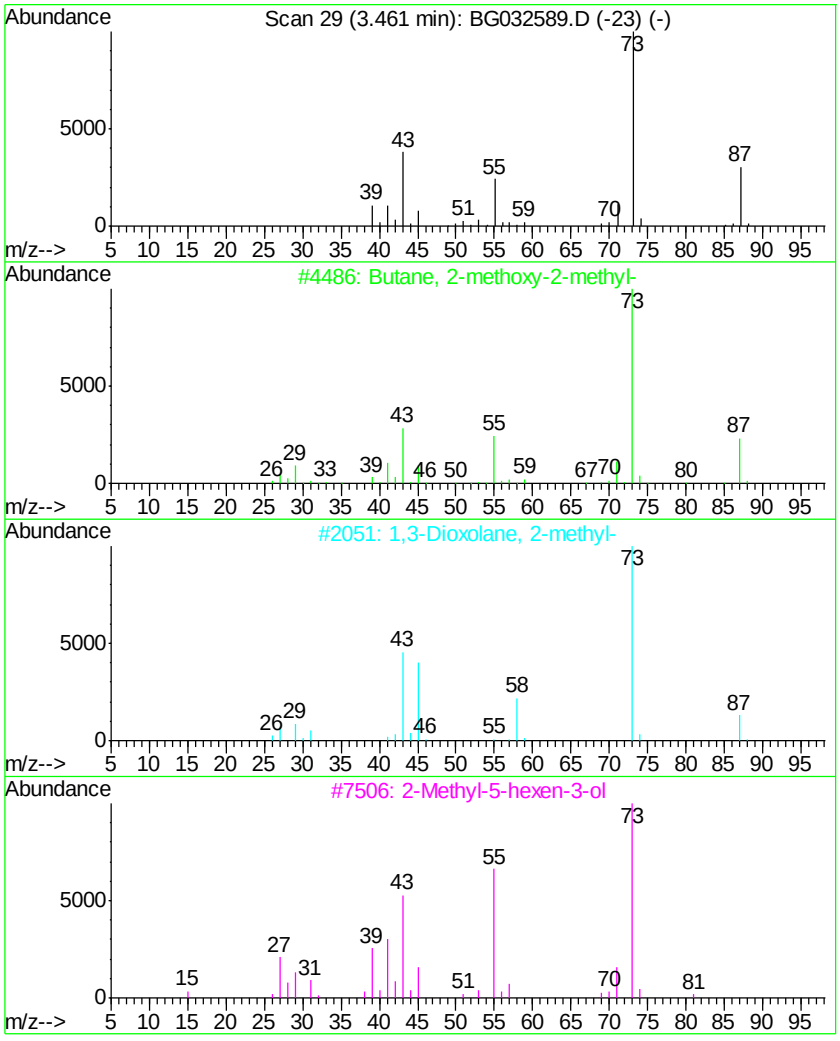
TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

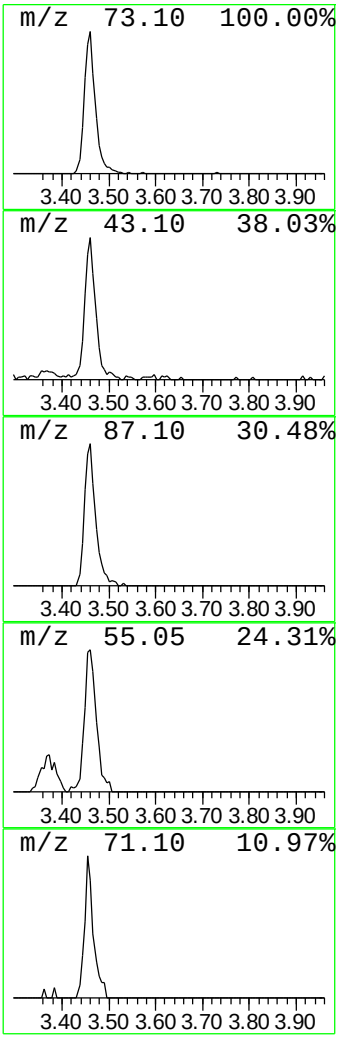
****

Peak Number 2 Butane, 2-methoxy-2-methyl- Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.46	20.47 ng	99480	1,4-Dichlorobenzene-d4	8.70

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Butane, 2-methoxy-2-methyl-	102	C6H14O	000994-05-8	78
2	1,3-Dioxolane, 2-methyl-	88	C4H8O2	000497-26-7	23
3	2-Methyl-5-hexen-3-ol	114	C7H14O	032815-70-6	12
4	N-Ethylformamide	73	C3H7NO	000627-45-2	9
5	Silane, tetramethyl-	88	C4H12Si	000075-76-3	9





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA G\DATA\BG020618\
Data File : BG032589.D
Acq On : 7 Feb 2018 8:04
Operator : SJ/JU
Sample : J1455-09
Misc : MDL-W-8 ppm
ALS Vial : 23 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : LW-04-B

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\8270-BG012918.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

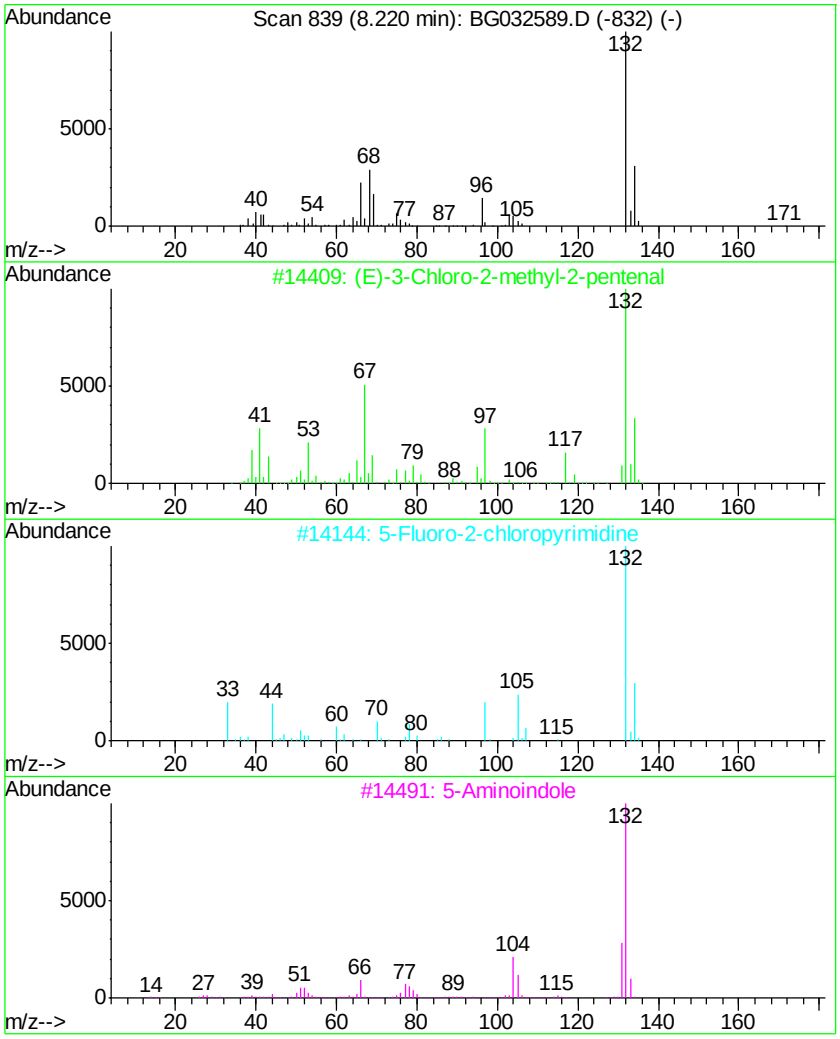
TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

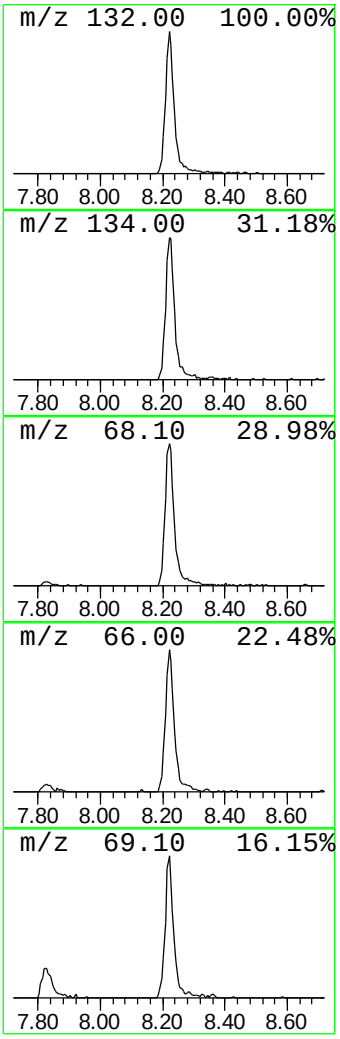
****

Peak Number 3 unknown8.22 Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.22	102.97 ng	500445	1,4-Dichlorobenzene-d4	8.70

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	(E)-3-Chloro-2-methyl-2-pentenal	132	C6H9ClO	031357-76-3	25
2	5-Fluoro-2-chloropyrimidine	132	C4H2ClFN2	062802-42-0	17
3	5-Aminoindole	132	C8H8N2	005192-03-0	16
4	(5-Methyl-2-pyridyl)acetonitrile	132	C8H8N2	1000241-93-9	12
5	4-Chloro-2-fluoro-pyrimidine	132	C4H2ClFN2	051422-00-5	9





Data Path : Z:\HPCHEM1\BNA G\DATA\BG020618\
Data File : BG032589.D
Acq On : 7 Feb 2018 8:04
Operator : SJ/JU
Sample : J1455-09
Misc : MDL-W-8 ppm
ALS Vial : 23 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : LW-04-B

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\8270-BG012918.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

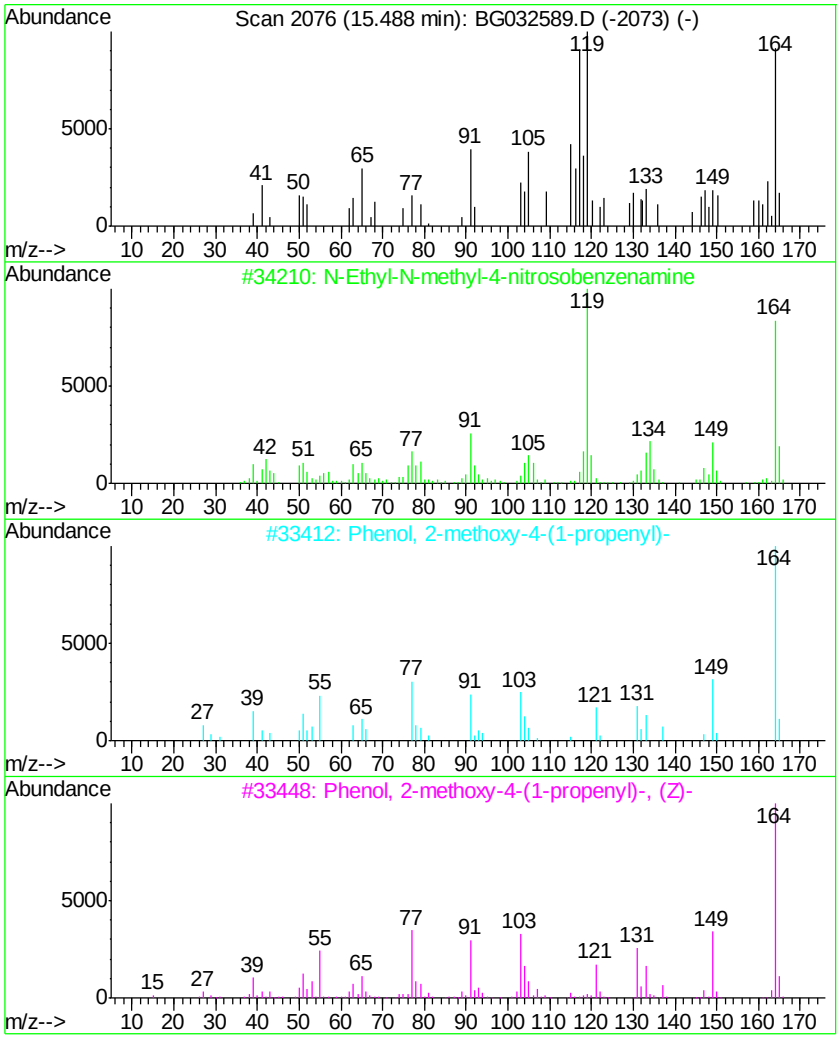
TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

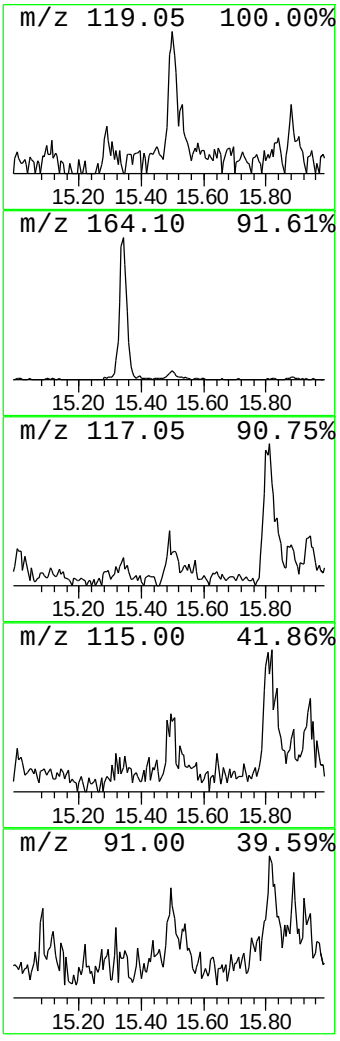
****

Peak Number 5 N-Ethyl-N-methyl-4-nitrosob... Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.49	2.66 ng	39081	Acenaphthene-d10	15.34

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	N-Ethyl-N-methyl-4-nitrosobenzen...	164	C9H12N2O	036479-98-8	64
2	Phenol, 2-methoxy-4-(1-propenyl)-	164	C10H12O2	000097-54-1	25
3	Phenol, 2-methoxy-4-(1-propenyl)...	164	C10H12O2	005912-86-7	25
4	Pyridine, 5-ethenyl-2-methyl-	119	C8H9N	000140-76-1	25
5	Eugenol	164	C10H12O2	000097-53-0	25





Data Path : Z:\HPCHEM1\BNA G\DATA\BG020618\
Data File : BG032589.D
Acq On : 7 Feb 2018 8:04
Operator : SJ/JU
Sample : J1455-09
Misc : MDL-W-8 ppm
ALS Vial : 23 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : LW-04-B

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\8270-BG012918.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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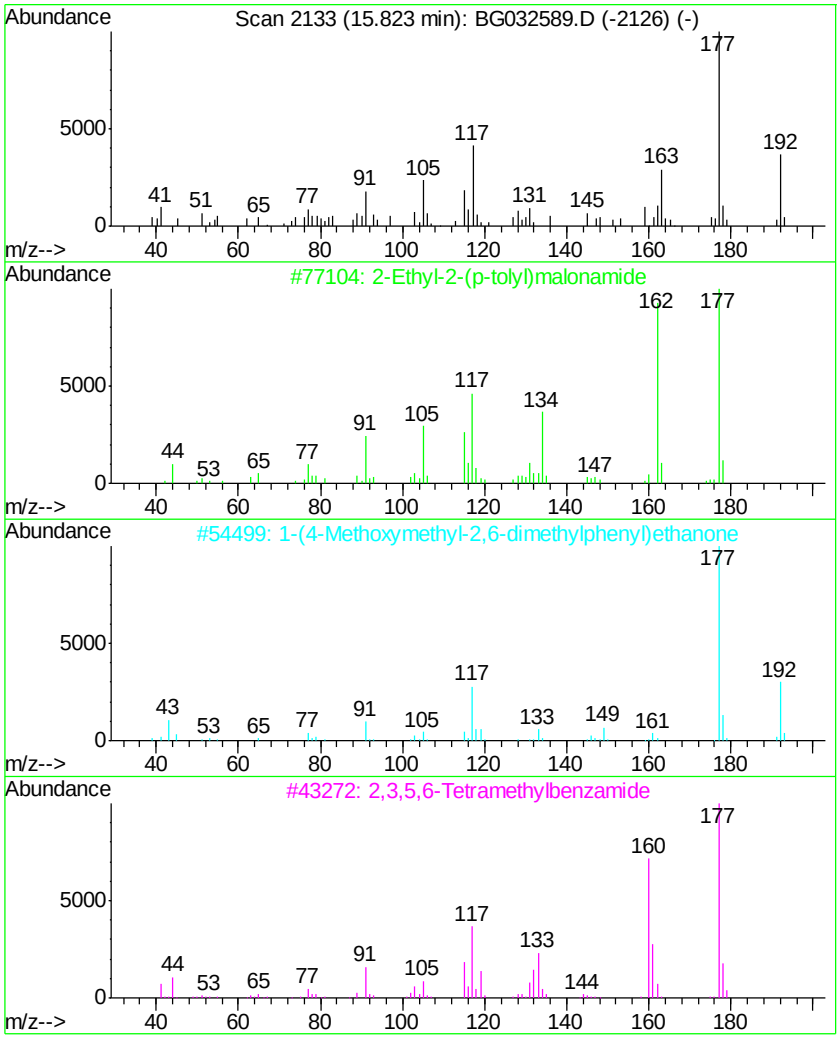
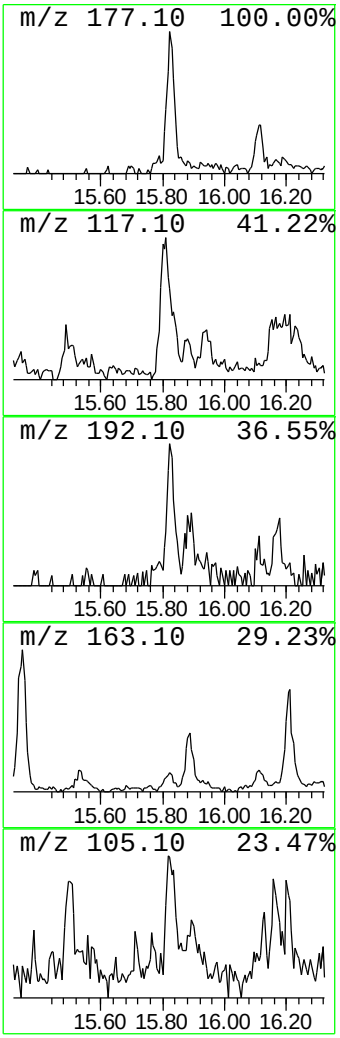
Peak Number 6 2-Ethyl-2-(p-tolyl)malonamide Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.82	3.67 ng	53852	Acenaphthene-d10	15.34

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Ethyl-2-(p-tolyl)malonamide	220	C12H16N2O2	068692-83-1	53
2	1-(4-Methoxymethyl-2,6-dimethylp...	192	C12H16O2	1000202-02-2	49
3	2,3,5,6-Tetramethylbenzamide	177	C11H15NO	099858-56-7	49
4	2,6-Diisopropylanisole	192	C13H20O	002944-52-7	46
5	Pyrazine, 2,5-bis(1,1-dimethylet...	192	C12H20N2	018709-51-8	46





Data Path : Z:\HPCHEM1\BNA G\DATA\BG020618\
Data File : BG032589.D
Acq On : 7 Feb 2018 8:04
Operator : SJ/JU
Sample : J1455-09
Misc : MDL-W-8 ppm
ALS Vial : 23 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : LW-04-B

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\8270-BG012918.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

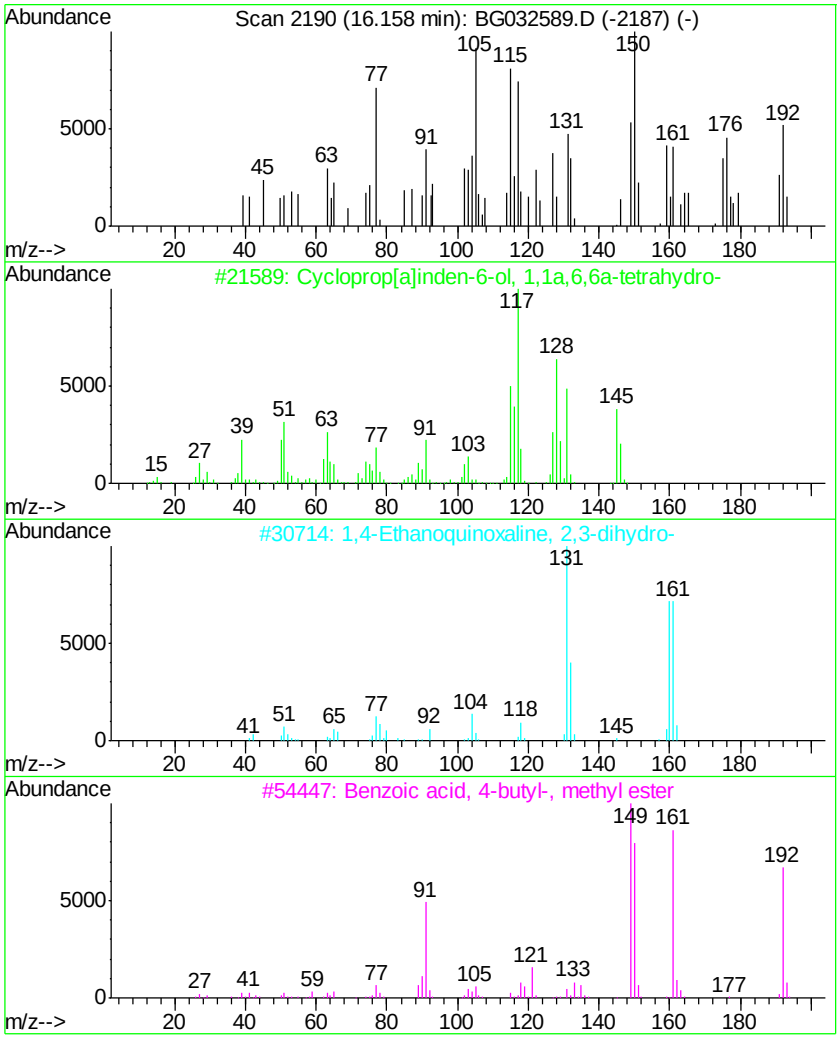
TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

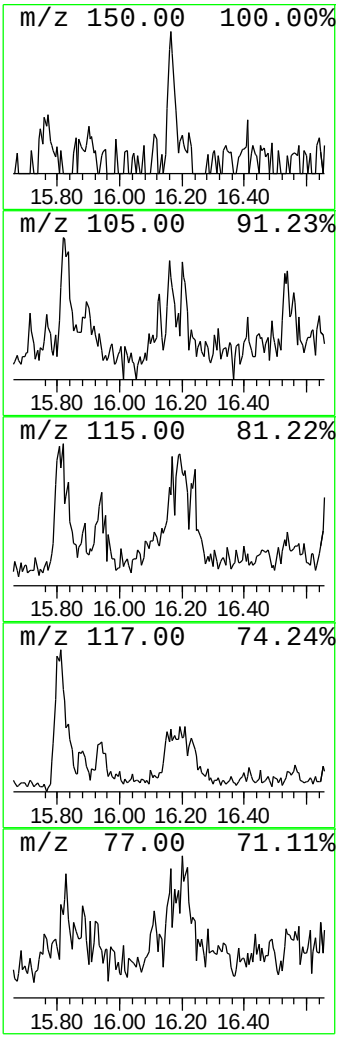
****

Peak Number 7 unknown16.16 Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.16	2.75 ng	40405	Acenaphthene-d10	15.34

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cycloprop[a]inden-6-ol, 1,1a,6,6...	146	C10H10O	022228-27-9	30
2	1,4-Ethanoquinoxaline, 2,3-dihydro-	160	C10H12N2	007140-45-6	14
3	Benzoic acid, 4-butyl-, methyl e...	192	C12H16O2	020651-69-8	14
4	Thiophene, tetrahydro-3-phenyl-,...	180	C10H12OS	093134-22-6	10
5	3a,6-Methano-3aH-indene, 2,3,6,7...	132	C10H12	098640-29-0	10





Library Search Compound Report

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Operator : SJ/JU
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Misc : MDL-W-8 ppm
ALS Vial : 23 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : LW-04-B

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\8270-BG012918.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST11.L
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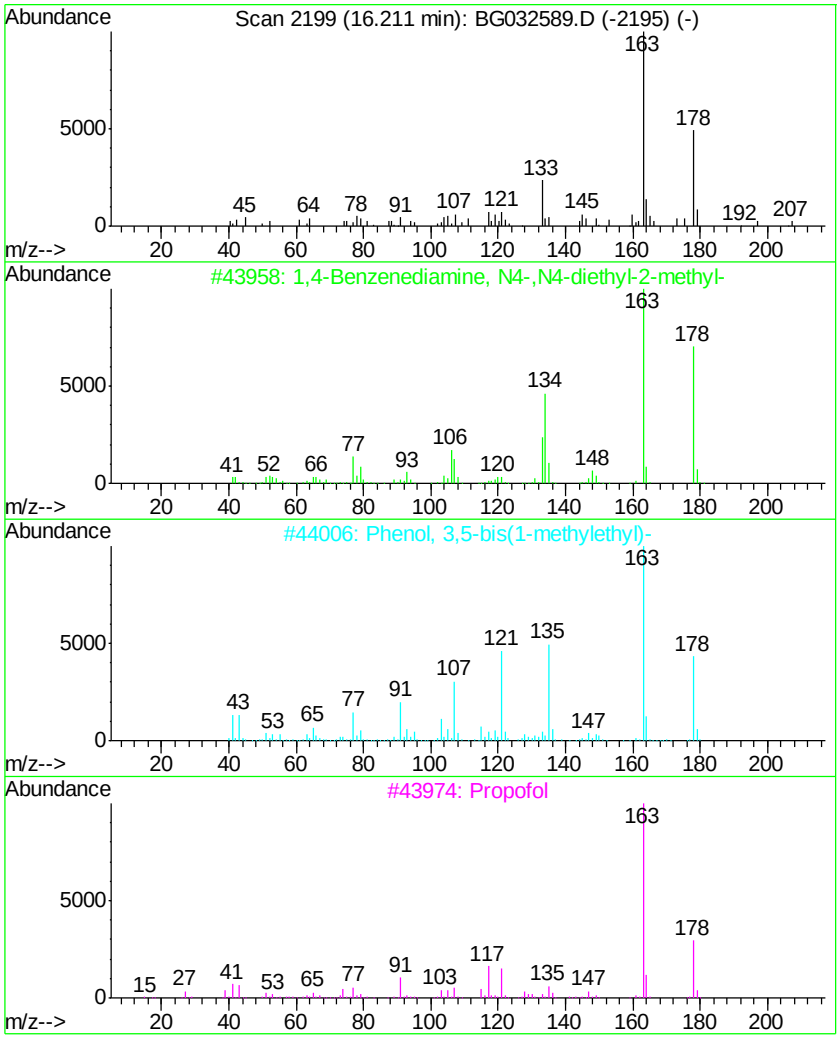
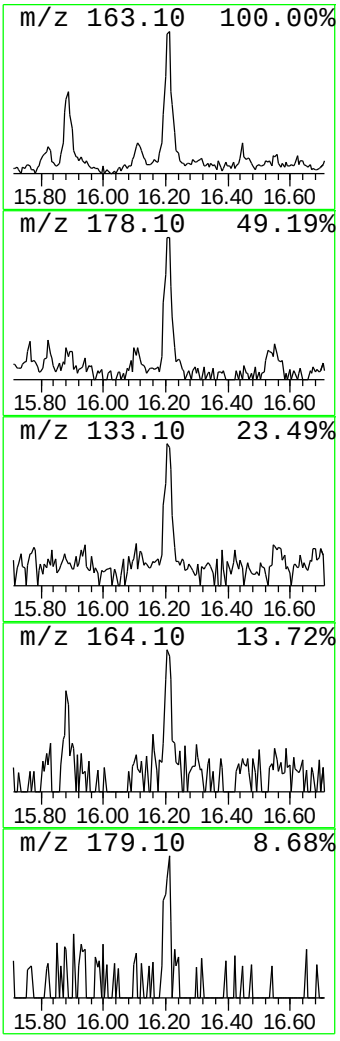
****

Peak Number 8 1,4-Benzenediamine, N4-,N4-... Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.21	6.23 ng	91511	Acenaphthene-d10	15.34

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,4-Benzenediamine, N4-,N4-dieth...	178	C11H18N2	000148-71-0	72
2	Phenol, 3,5-bis(1-methylethyl)-	178	C12H18O	026886-05-5	64
3	Propofol	178	C12H18O	002078-54-8	64
4	6-tert-Butyl-2,4-dimethylphenol	178	C12H18O	001879-09-0	64
5	Ethanone, 1-(2,3-dihydro-1,4-ben...	178	C10H10O3	002879-20-1	59





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ALS Vial : 23 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : LW-04-B

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\8270-BG012918.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST11.L
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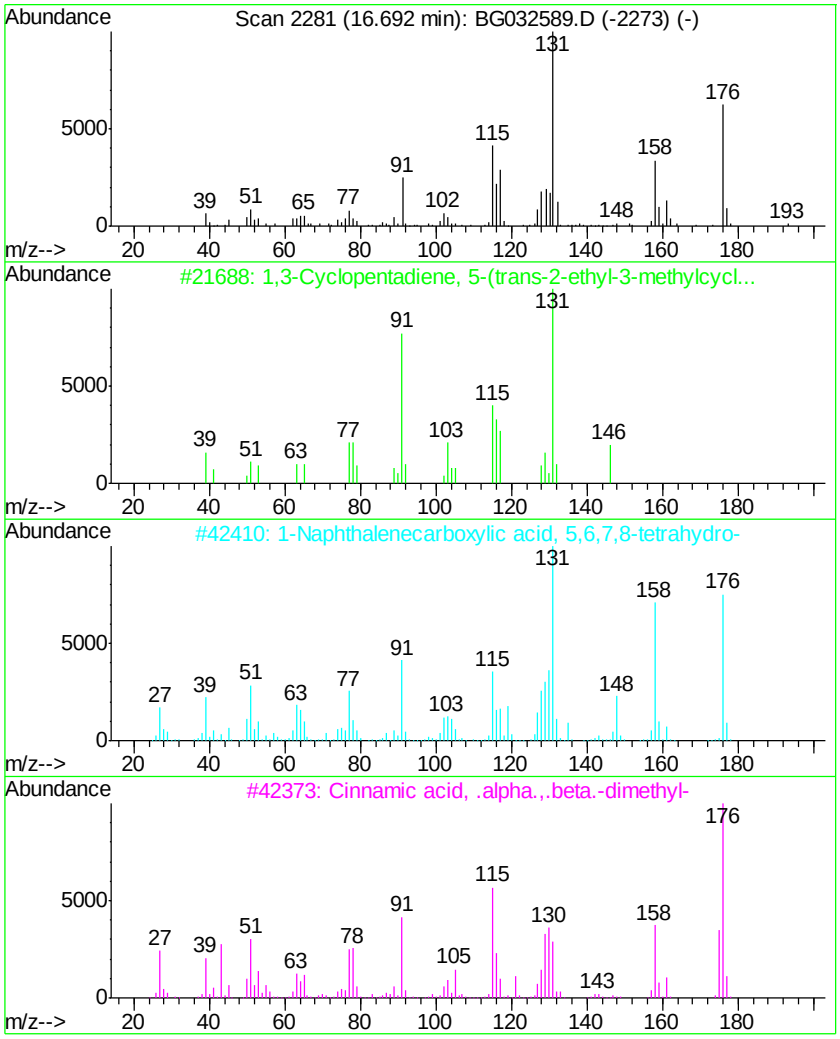
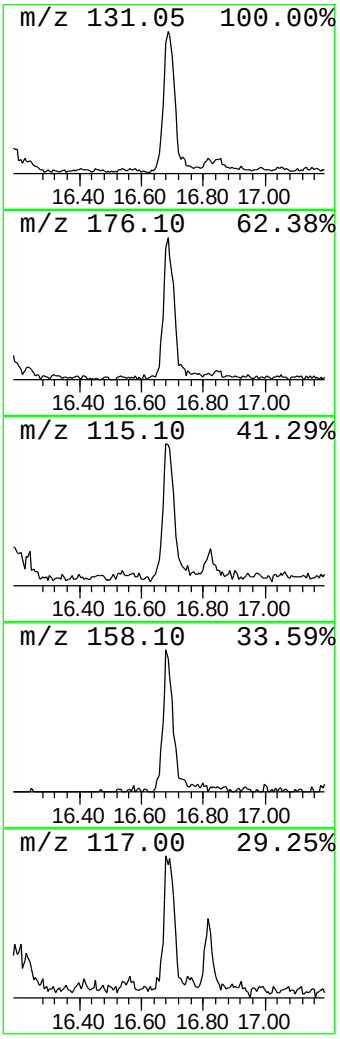
****

Peak Number 9 unknown16.69 Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.69	18.87 ng	277273	Acenaphthene-d10	15.34

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,3-Cyclopentadiene, 5-(trans-2-...	146	C11H14	079209-36-2	47
2	1-Naphthalenecarboxylic acid, 5,...	176	C11H12O2	004242-18-6	47
3	Cinnamic acid, .alpha.,.beta.-di...	176	C11H12O2	1000151-56-4	43
4	3-Pentenoic acid, 4-phenyl-	176	C11H12O2	053774-19-9	43
5	Benzene, (1-methyl-1-butenyl)-	146	C11H14	053172-84-2	37





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Misc : MDL-W-8 ppm
ALS Vial : 23 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : LW-04-B

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\8270-BG012918.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

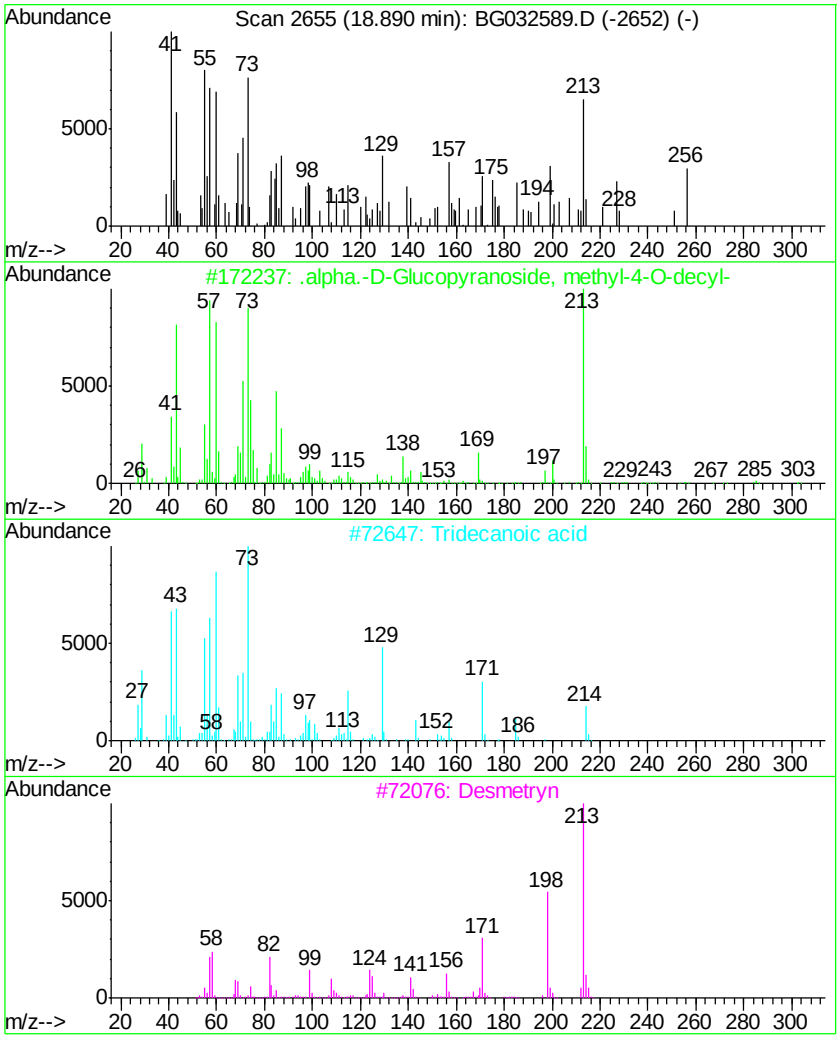
TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

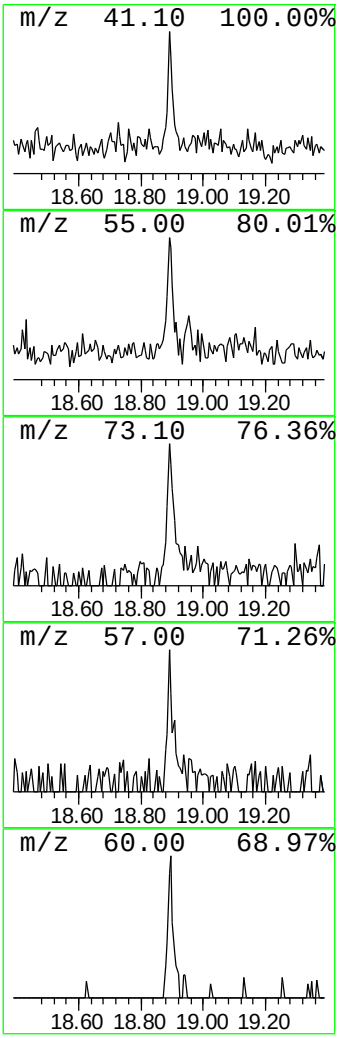
****

Peak Number 10 unknown18.89 Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.89	2.63 ng	50592	Phenanthrene-d10	18.07

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	.alpha.-D-Glucopyranoside, methy...	334	C17H34O6	1000157-24-7	30
2	Tridecanoic acid	214	C13H26O2	000638-53-9	30
3	Desmetryn	213	C8H15N5S	001014-69-3	25
4	n-Hexadecanoic acid	256	C16H32O2	000057-10-3	22
5	Benzenamine, 2-chloro-N,N-diethy...	228	C10H13ClN2O2	000086-49-7	18





Tentatively Identified Compound (LSC) summary

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG020618\
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ALS Vial : 23 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : LW-04-B

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\8270-BG012918.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...	3.46	20.5	ng	99480	1	8.70	97198	20.0
unknown8.22	8.22	103.0	ng	500445	1	8.70	97198	20.0
N-Ethyl-N-methyl-...	15.49	2.7	ng	39081	3	15.34	293821	20.0
2-Ethyl-2-(p-toly...	15.82	3.7	ng	53852	3	15.34	293821	20.0
unknown16.16	16.16	2.8	ng	40405	3	15.34	293821	20.0
1,4-Benzenediamin...	16.21	6.2	ng	91511	3	15.34	293821	20.0
unknown16.69	16.69	18.9	ng	277273	3	15.34	293821	20.0
unknown18.89	18.89	2.6	ng	50592	4	18.07	384315	20.0