LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA G\DATA\BG091616\
Data File : BG024013.D
Acq On : 17 Sep 2016 3:41
Operator : UM/SJ
Sample : H4811-01
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : 091516-DRDC-F-D-M

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-BG083116.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	5.123	385	389	398	rVB2	52127	88166	1.53%	0.362%
2	5.605	466	471	482	rBV	290193	520297	9.04%	2.138%
3	7.226	741	747	757	rBV	207942	425419	7.39%	1.748%
4	7.585	802	808	819	rBV	603035	1097630	19.07%	4.509%
5	8.055	880	888	894	rBV	199056	351752	6.11%	1.445%
6	8.378	936	943	954	rBV	857894	1500840	26.08%	6.166%
7	9.235	1082	1089	1100	rBV	798738	1464560	25.45%	6.017%
8	10.886	1362	1370	1379	rBV	270096	502635	8.73%	2.065%
9	13.341	1780	1788	1800	rBV	2210281	3568318	62.00%	14.660%
10	14.176	1925	1930	1936	rBV	131478	215312	3.74%	0.885%
11	14.728	2018	2024	2032	rVB	532261	833402	14.48%	3.424%
12	15.703	2183	2190	2202	rBV	134974	251987	4.38%	1.035%
13	16.014	2236	2243	2250	rBV	301100	405844	7.05%	1.667%
14	16.232	2272	2280	2290	rBV	1555070	2449974	42.57%	10.065%
15	17.495	2487	2495	2502	rBV	755745	1229942	21.37%	5.053%
16	18.364	2639	2643	2649	rBV2	125405	183250	3.18%	0.753%
17	19.104	2765	2769	2775	rBV	68553	116082	2.02%	0.477%
18	19.551	2838	2845	2852	rBV10	37455	84169	1.46%	0.346%
19	19.633	2855	2859	2871	rBV3	154957	244100	4.24%	1.003%
20	19.868	2895	2899	2908	rBV2	113621	172404	3.00%	0.708%
21	19.944	2908	2912	2923	rVV	242560	374061	6.50%	1.537%
22	20.103	2933	2939	2947	rBV	4495347	5755419	100.00%	23.645%
23	21.801	3222	3228	3236	rBV	785676	1277992	22.21%	5.250%
24	25.143	3788	3797	3812	rVB	389963	1227739	21.33%	5.044%

Sum of corrected areas: 24341294

LSC Report - Integrated Chromatogram

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Operator : UM/SJ
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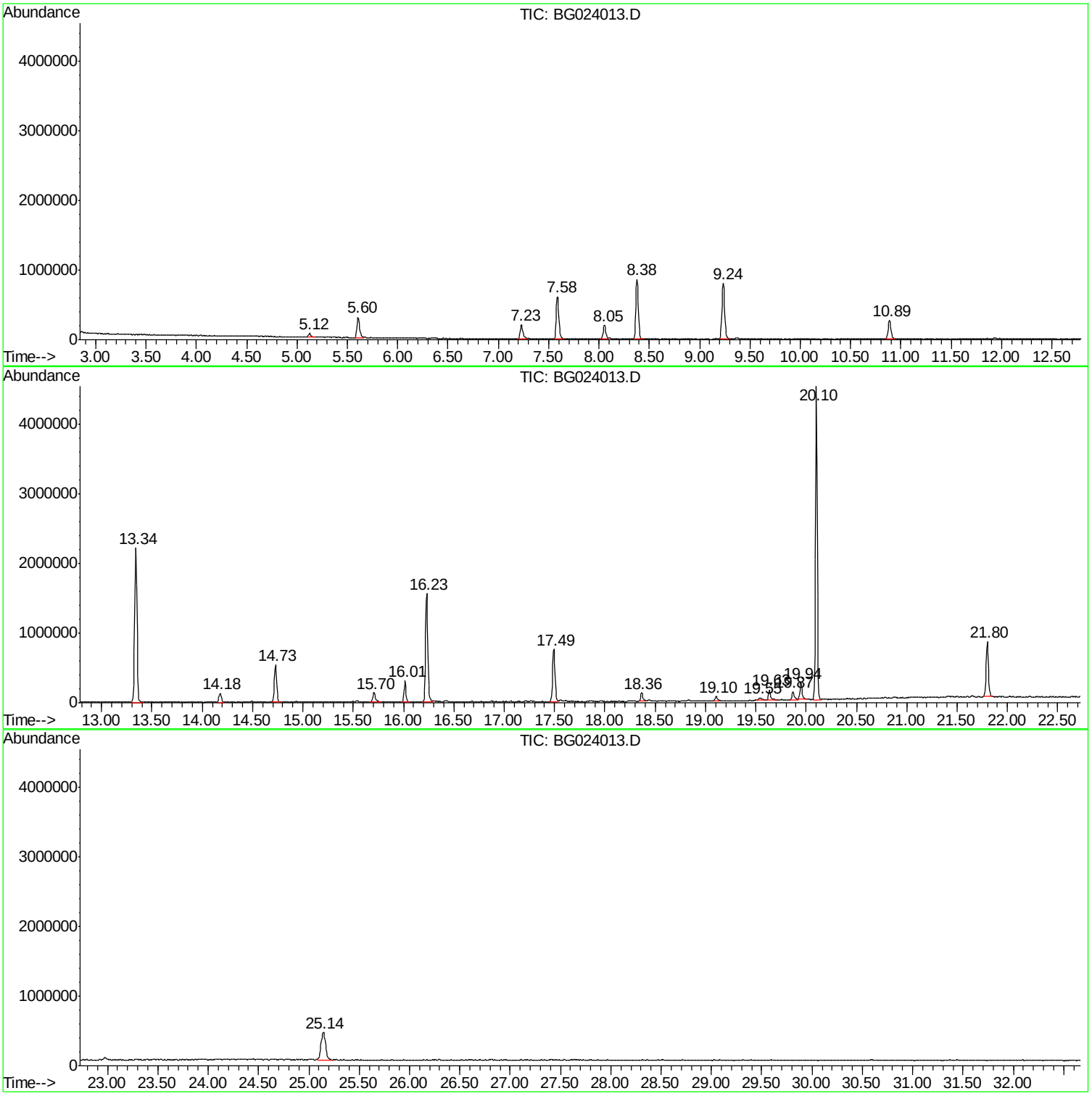
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : 091516-DRDC-F-D-M

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\8270-BG083116.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\BG091616\
Data File : BG024013.D
Acq On : 17 Sep 2016 3:41
Operator : UM/SJ
Sample : H4811-01
Misc :
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Instrument : BNA_G
ClientSampleId : 091516-DRDC-F-D-M

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\8270-BG083116.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

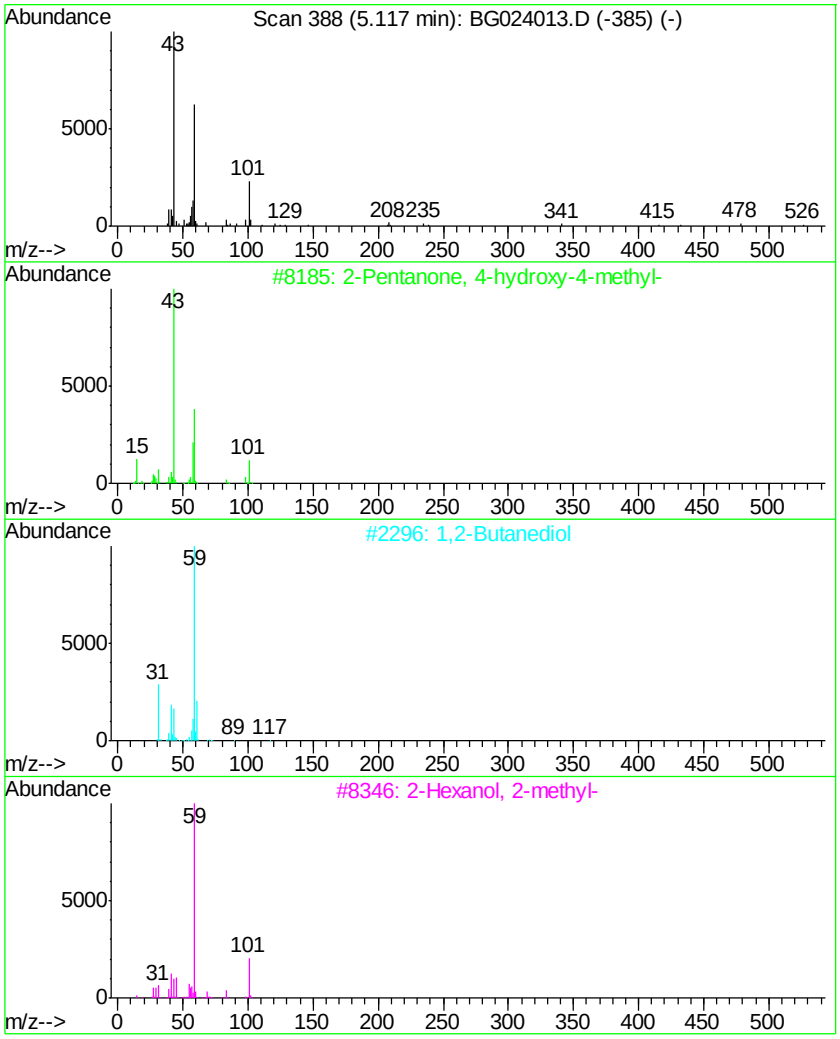
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

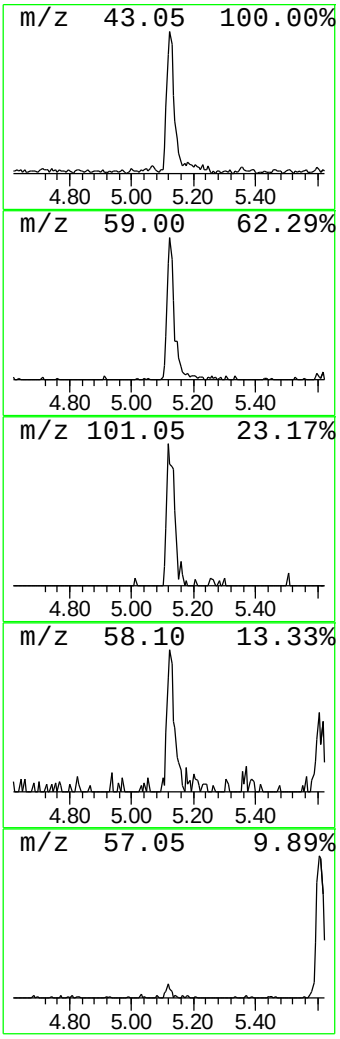
****

Peak Number 1 2-Pentanone, 4-hydroxy-4-me... Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.12	5.01 ng	88166	1,4-Dichlorobenzene-d4	8.05

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	64
2	1,2-Butanediol	90	C4H10O2	000584-03-2	37
3	2-Hexanol, 2-methyl-	116	C7H16O	000625-23-0	25
4	2-Heptanol, 2-methyl-	130	C8H18O	000625-25-2	23
5	3-Hydroxy-3-methyl-2-butanone	102	C5H10O2	000115-22-0	23





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA G\DATA\BG091616\
Data File : BG024013.D
Acq On : 17 Sep 2016 3:41
Operator : UM/SJ
Sample : H4811-01
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : 091516-DRDC-F-D-M

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\8270-BG083116.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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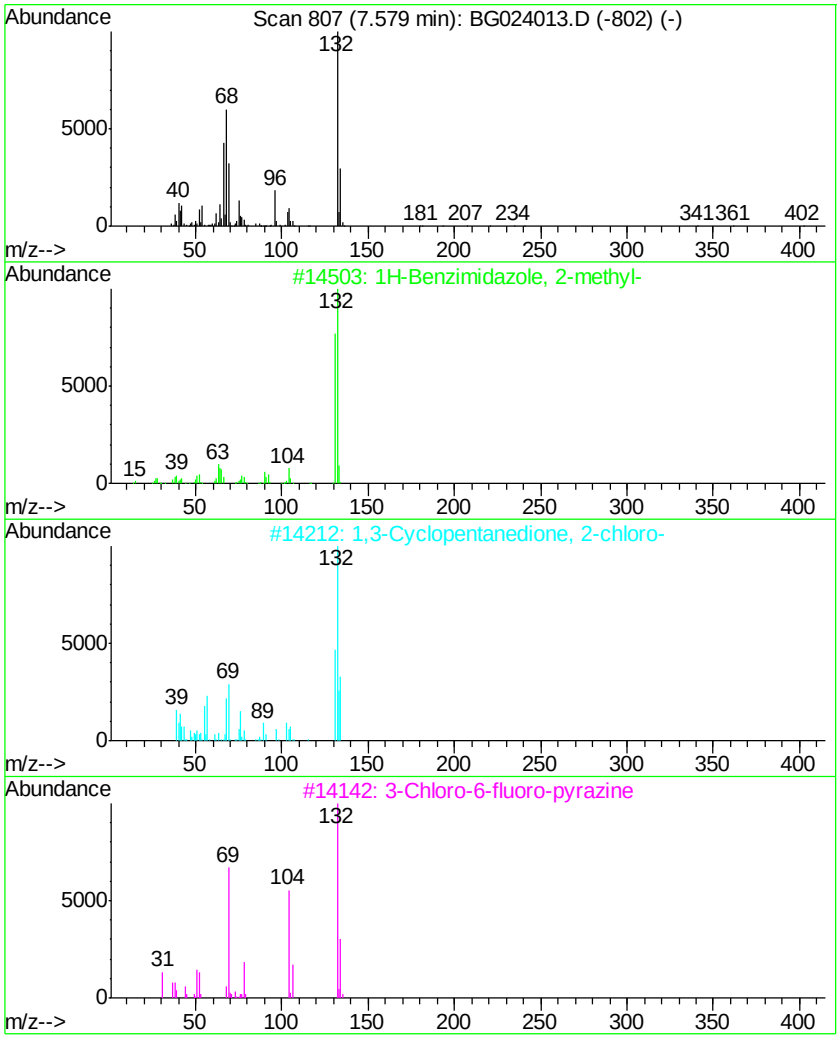
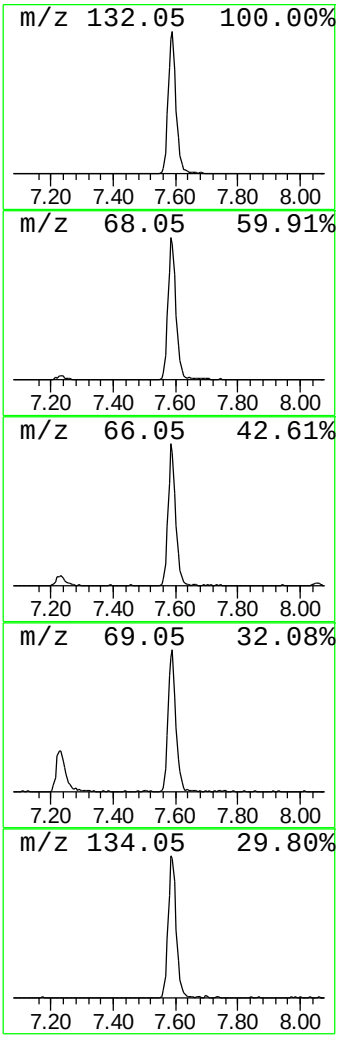
Peak Number 2 unknown7.58 Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.58	62.41 ng	1097630	1,4-Dichlorobenzene-d4	8.05

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1H-Benzimidazole, 2-methyl-	132	C8H8N2	000615-15-6	14
2	1,3-Cyclopentanedione, 2-chloro-	132	C5H5ClO2	014203-19-1	12
3	3-Chloro-6-fluoro-pyrazine	132	C4H2ClFN2	1000146-10-7	10
4	Cyclopropanamine, 1-phenyl-	133	C9H11N	1000351-26-2	10
5	5-Fluoro-2-chloropyrimidine	132	C4H2ClFN2	062802-42-0	10





Data Path : Z:\HPCHEM1\BNA G\DATA\BG091616\
Data File : BG024013.D
Acq On : 17 Sep 2016 3:41
Operator : UM/SJ
Sample : H4811-01
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : 091516-DRDC-F-D-M

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\8270-BG083116.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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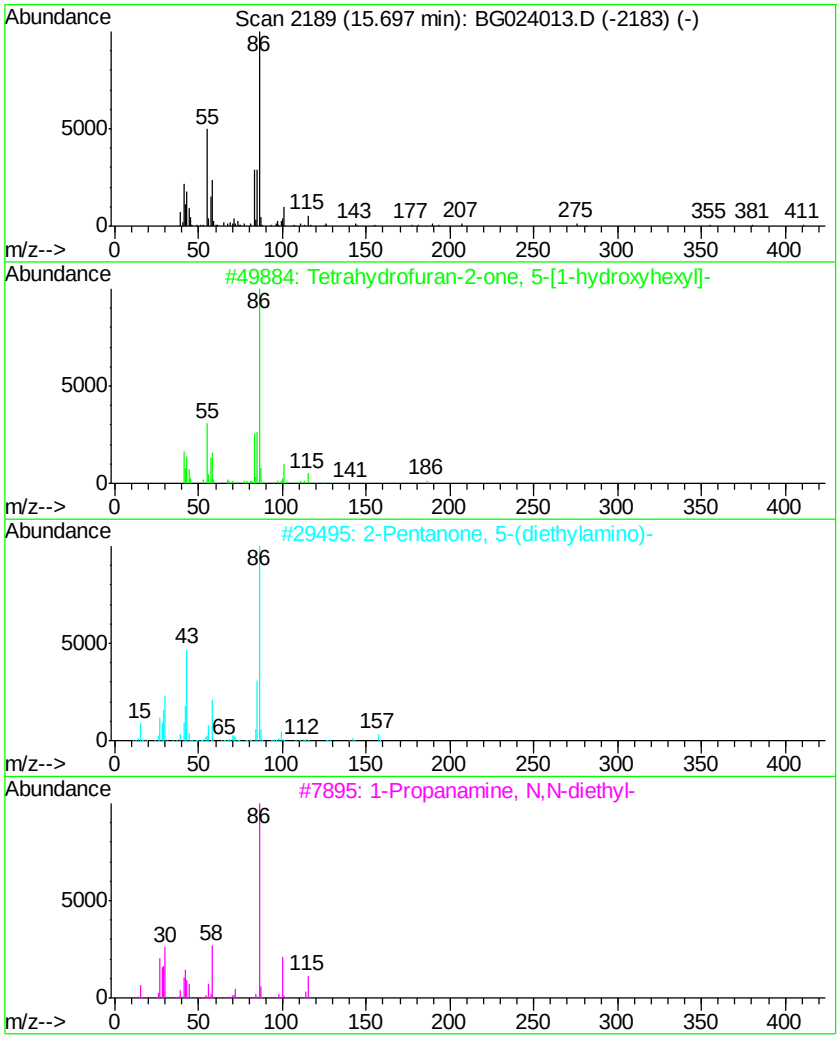
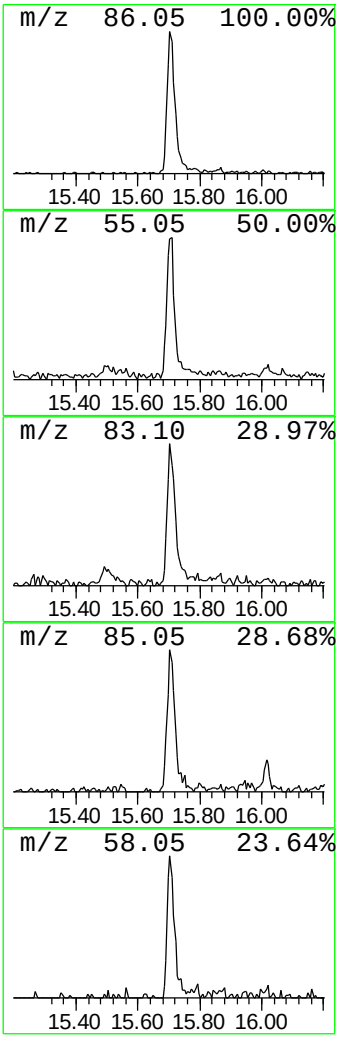
Peak Number 4 Tetrahydrofuran-2-one, 5-[1... Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.70	6.05 ng	251987	Acenaphthene-d10	14.73

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Tetrahydrofuran-2-one, 5-[1-hydr...	186	C10H18O3	1000131-83-9	64
2	2-Pentanone, 5-(diethylamino)-	157	C9H19NO	000105-14-6	59
3	1-Propanamine, N,N-diethyl-	115	C7H17N	004458-31-5	50
4	1,2-Ethanediamine, N,N,N',N'-tet...	172	C10H24N2	000150-77-6	50
5	d,l-1-[Diethylamino]-3-benzenesu...	284	C14H24N2O2S	025132-09-6	50





Data Path : Z:\HPCHEM1\BNA G\DATA\BG091616\
Data File : BG024013.D
Acq On : 17 Sep 2016 3:41
Operator : UM/SJ
Sample : H4811-01
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : 091516-DRDC-F-D-M

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\8270-BG083116.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

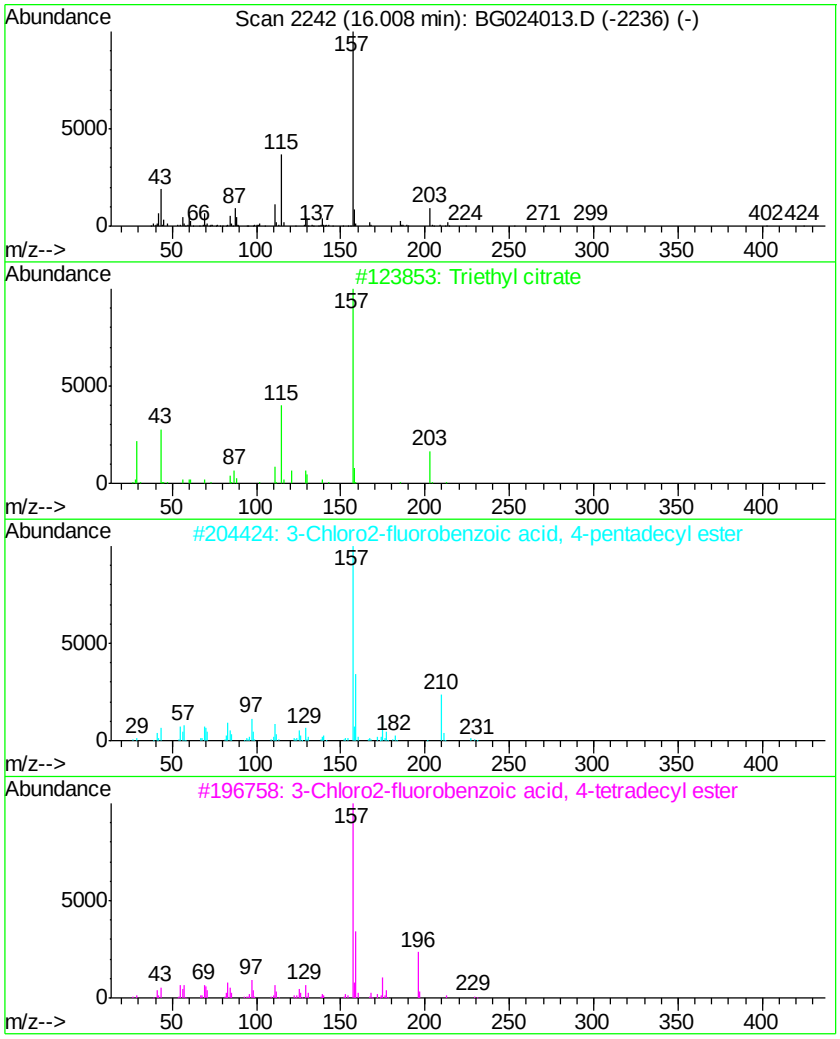
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

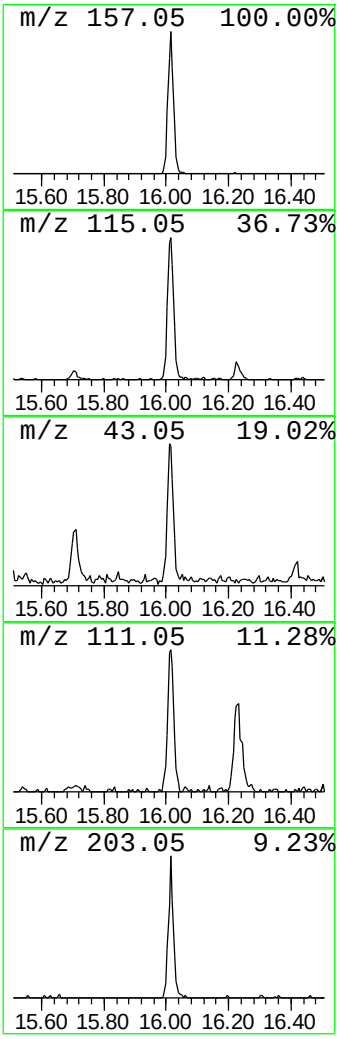
****

Peak Number 5 Triethyl citrate Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.01	9.74 ng	405844	Acenaphthene-d10	14.73

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Triethyl citrate	276	C12H20O7	000077-93-0	83
2	3-Chloro2-fluorobenzoic acid, 4-...	384	C22H34ClFO2	1000338-65-1	33
3	3-Chloro2-fluorobenzoic acid, 4-...	370	C21H32ClFO2	1000338-64-7	33
4	Piperazine-1-carboxylic acid, 4-...	396	C14H18Cl2N2O5S	1000303-80-3	33
5	Adipic acid, 3,3-dimethylbut-2-y...	258	C14H26O4	1000353-66-5	28





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Data File : BG024013.D
Acq On : 17 Sep 2016 3:41
Operator : UM/SJ
Sample : H4811-01
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : 091516-DRDC-F-D-M

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\8270-BG083116.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

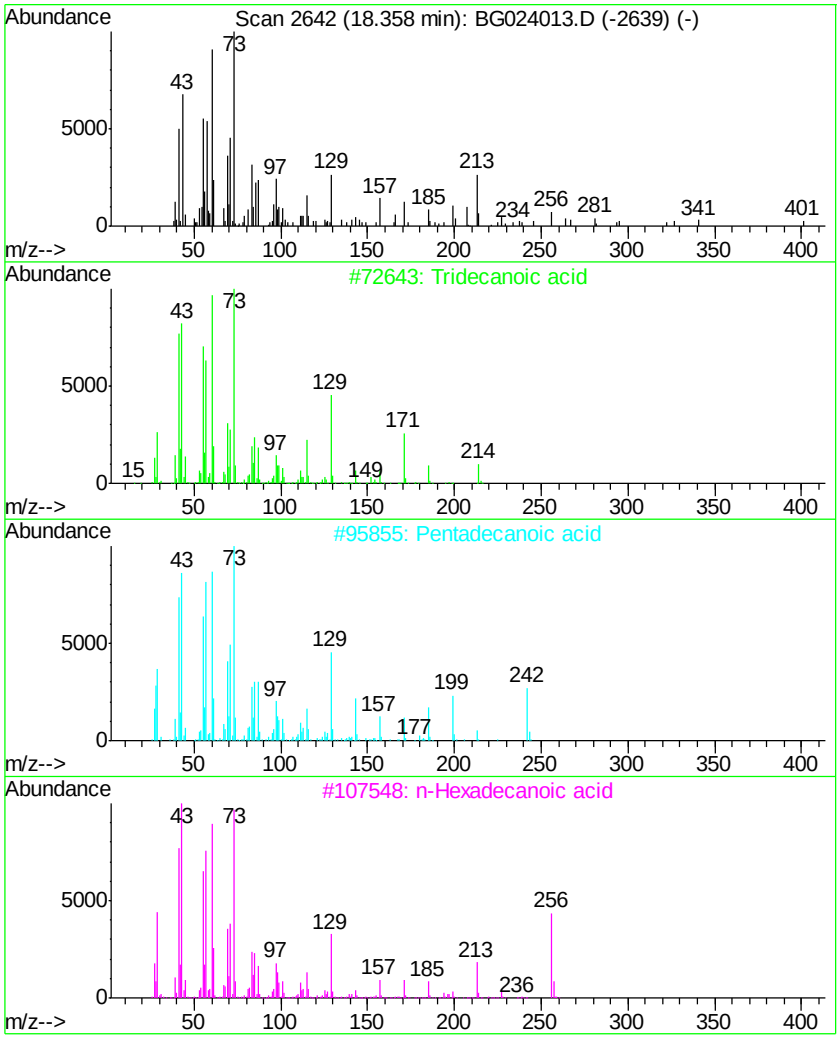
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

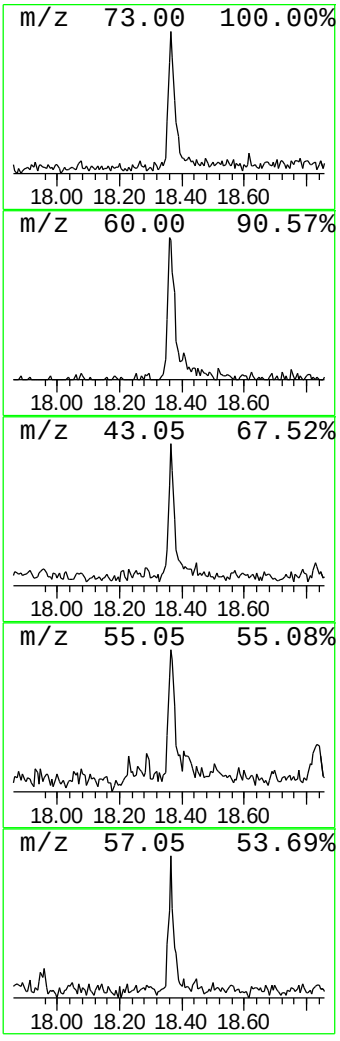
****

Peak Number 6 Tridecanoic acid Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.36	2.98 ng	183250	Phenanthrene-d10	17.49

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Tridecanoic acid	214	C13H26O2	000638-53-9	95
2	Pentadecanoic acid	242	C15H30O2	001002-84-2	64
3	n-Hexadecanoic acid	256	C16H32O2	000057-10-3	64
4	n-Decanoic acid	172	C10H20O2	000334-48-5	64
5	Dodecanoic acid	200	C12H24O2	000143-07-7	38





Library Search Compound Report

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Sample : H4811-01
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : 091516-DRDC-F-D-M

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\8270-BG083116.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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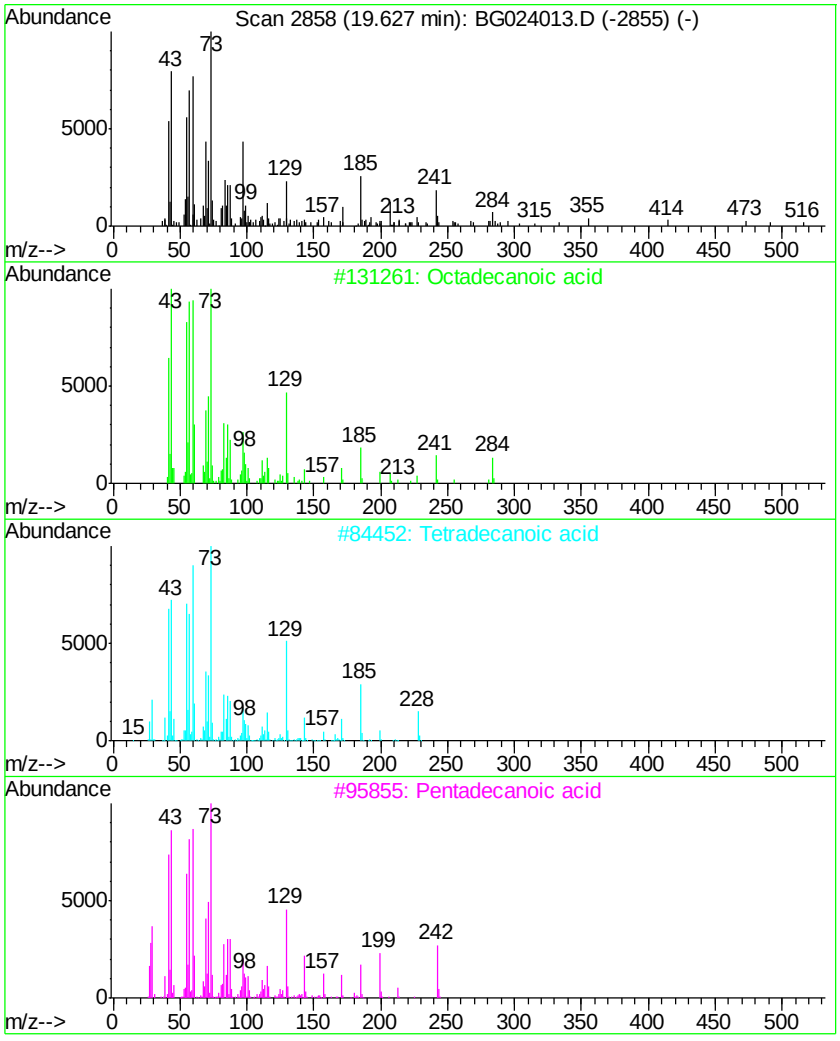
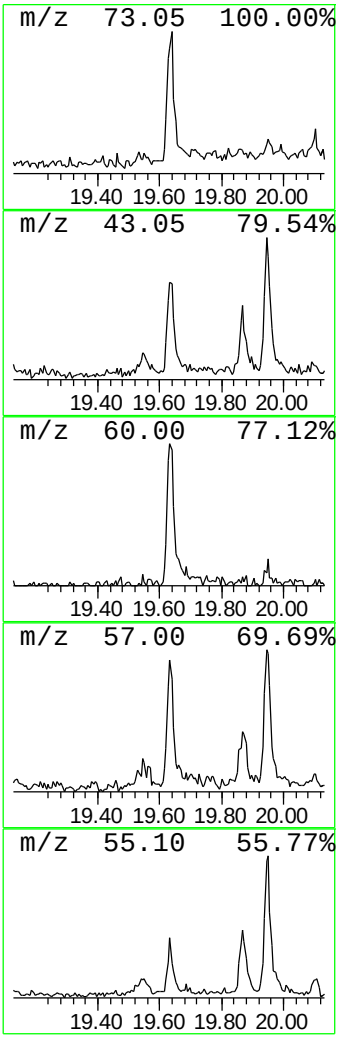
Peak Number 7 Octadecanoic acid Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.63	3.97 ng	244100	Phenanthrene-d10	17.49

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Octadecanoic acid	284	C18H36O2	000057-11-4	97
2	Tetradecanoic acid	228	C14H28O2	000544-63-8	58
3	Pentadecanoic acid	242	C15H30O2	001002-84-2	53
4	Tridecanoic acid	214	C13H26O2	000638-53-9	49
5	n-Hexadecanoic acid	256	C16H32O2	000057-10-3	47





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Instrument : BNA_G
ClientSampleId : 091516-DRDC-F-D-M

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\8270-BG083116.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

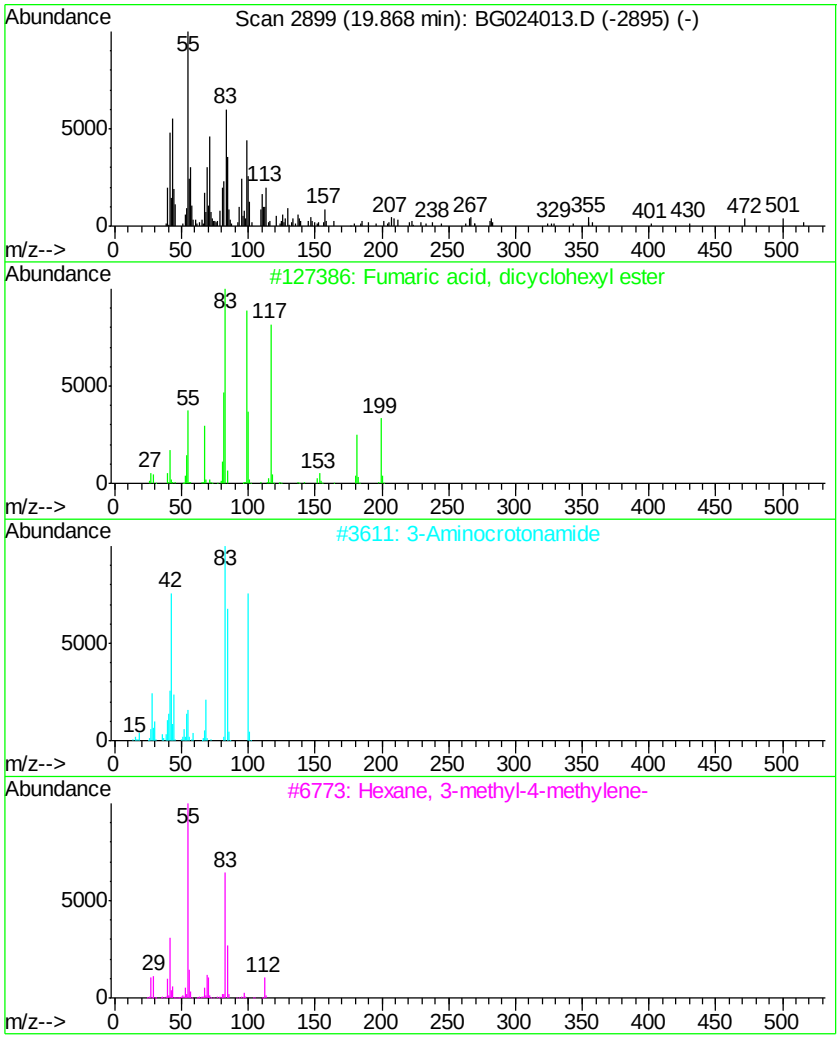
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

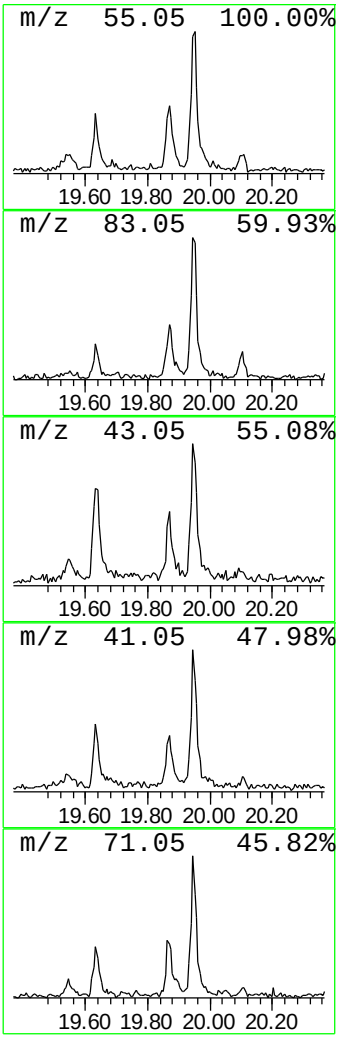
****

Peak Number 8 unknown19.87 Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.87	2.70 ng	172404	Chrysene-d12	21.80

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Fumaric acid, dicyclohexyl ester	280	C16H24O4	1000345-03-1	35
2	3-Aminocrotonamide	100	C4H8N2O	015846-25-0	22
3	Hexane, 3-methyl-4-methylene-	112	C8H16	003404-67-9	18
4	Cyclobutanecarboxylic acid, hexa...	324	C21H40O2	1000280-41-2	18
5	Bicyclo[3.1.1]heptan-2-one, 6,6-...	138	C9H14O	038651-65-9	14





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Quant Method : Z:\HPCHEM1\BNA_G\METHODS\8270-BG083116.M
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TIC Library : C:\DATABASE\NIST11.L
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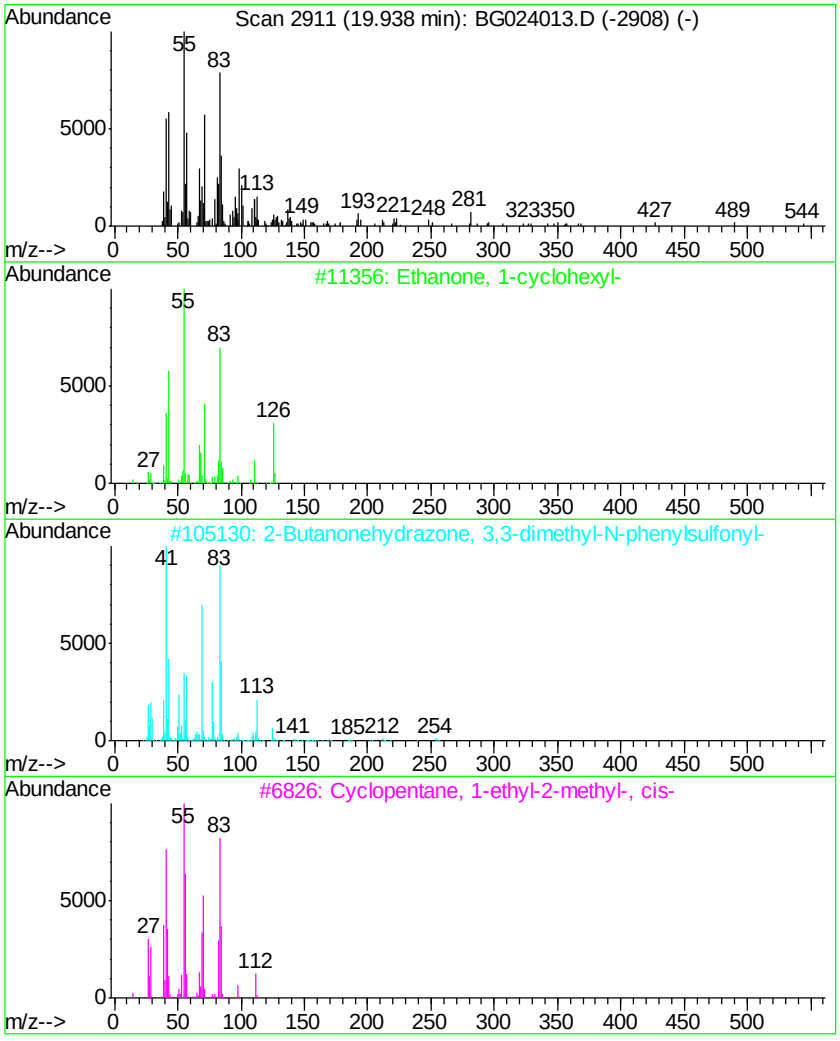
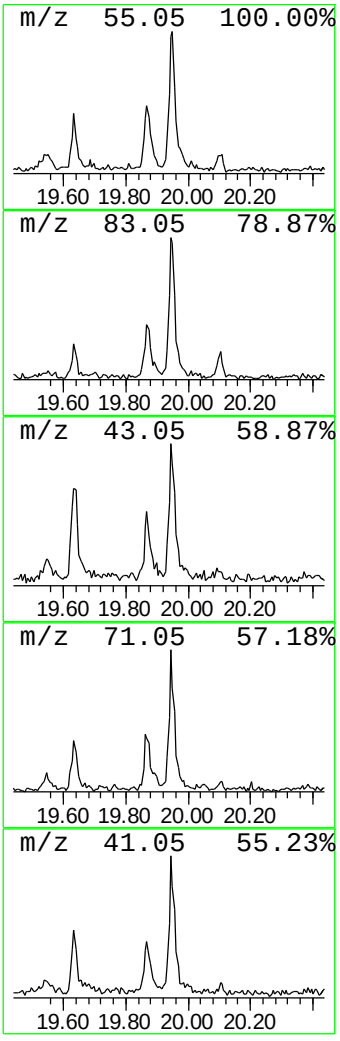
Peak Number 9 unknown19.94 Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.94	5.85 ng	374061	Chrysene-d12	21.80

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Ethanone, 1-cyclohexyl-	126	C8H14O	000823-76-7	49
2	2-Butanonehydrazone, 3,3-dimethy...	254	C12H18N2O2S	1000152-22-2	43
3	Cyclopentane, 1-ethyl-2-methyl-,...	112	C8H16	000930-89-2	38
4	Hexane, 3-methyl-4-methylene-	112	C8H16	003404-67-9	38
5	1-Pentene, 3-ethyl-2-methyl-	112	C8H16	019780-66-6	38





Tentatively Identified Compound (LSC) summary

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Acq On : 17 Sep 2016 3:41
Operator : UM/SJ
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Quant Method : Z:\HPCHEM1\BNA_G\METHODS\8270-BG083116.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, 4-hy...	5.12	5.0	ng	88166	1	8.05	351752	20.0
unknown7.58	7.58	62.4	ng	1097630	1	8.05	351752	20.0
Tetrahydrofuran-2...	15.70	6.0	ng	251987	3	14.73	833402	20.0
Triethyl citrate	16.01	9.7	ng	405844	3	14.73	833402	20.0
Tridecanoic acid	18.36	3.0	ng	183250	4	17.49	1229940	20.0
Octadecanoic acid	19.63	4.0	ng	244100	4	17.49	1229940	20.0
unknown19.87	19.87	2.7	ng	172404	5	21.80	1277990	20.0
unknown19.94	19.94	5.8	ng	374061	5	21.80	1277990	20.0