LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG090716\
Data File : BG023959.D
Acq On : 7 Sep 2016 19:03
Operator : UM/SJ
Sample : H4720-05
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : DI-BOTTOM

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	2.939	11	17	32	rBV	4198105	6353504	100.00%	21.614%
2	5.130	385	390	401	rVB	179314	270952	4.26%	0.922%
3	5.612	466	472	489	rVB	901199	1492383	23.49%	5.077%
4	7.234	741	748	763	rBV	933571	1720980	27.09%	5.855%
5	7.598	802	810	820	rBV	922462	1620269	25.50%	5.512%
6	8.062	883	889	897	rBV	194705	330826	5.21%	1.125%
7	8.385	936	944	955	rBV	676617	1203409	18.94%	4.094%
8	9.243	1083	1090	1101	rBV	599495	1117164	17.58%	3.801%
9	10.893	1365	1371	1382	rVB	241636	455432	7.17%	1.549%
10	12.286	1602	1608	1614	rBV3	51513	85669	1.35%	0.291%
11	13.349	1782	1789	1798	rBV	1572131	2444078	38.47%	8.315%
12	13.525	1810	1819	1825	rBV2	65221	115962	1.83%	0.394%
13	14.183	1922	1931	1936	rBV	416883	603833	9.50%	2.054%
14	14.600	1996	2002	2010	rVB	98266	142420	2.24%	0.485%
15	14.735	2019	2025	2034	rVB2	414243	685364	10.79%	2.332%
16	15.558	2160	2165	2170	rVB	125566	167822	2.64%	0.571%
17	15.957	2226	2233	2238	rBV4	50722	103428	1.63%	0.352%
18	16.239	2275	2281	2291	rBV	1523670	2372581	37.34%	8.071%
19	16.421	2308	2312	2314	rBV	129801	170584	2.68%	0.580%
20	17.220	2443	2448	2452	rBV	125684	153269	2.41%	0.521%
21	17.267	2452	2456	2460	rVV	50968	68198	1.07%	0.232%
22	17.502	2490	2496	2504	rBV	567762	911025	14.34%	3.099%
23	17.960	2570	2574	2579	rBV	101554	113137	1.78%	0.385%
24	18.377	2641	2645	2648	rBV5	44624	71184	1.12%	0.242%
25	18.653	2688	2692	2697	rVB2	73404	84615	1.33%	0.288%
26	19.229	2785	2790	2795	rBV5	71447	145502	2.29%	0.495%
27	19.282	2796	2799	2803	rVB3	59547	70662	1.11%	0.240%
28	20.110	2934	2940	2946	rBV	3218749	4259808	67.05%	14.492%
29	21.814	3224	3230	3240	rBV2	621206	1126600	17.73%	3.833%
30	25.162	3793	3800	3812	rVB2	319162	934294	14.71%	3.178%

Sum of corrected areas: 29394954

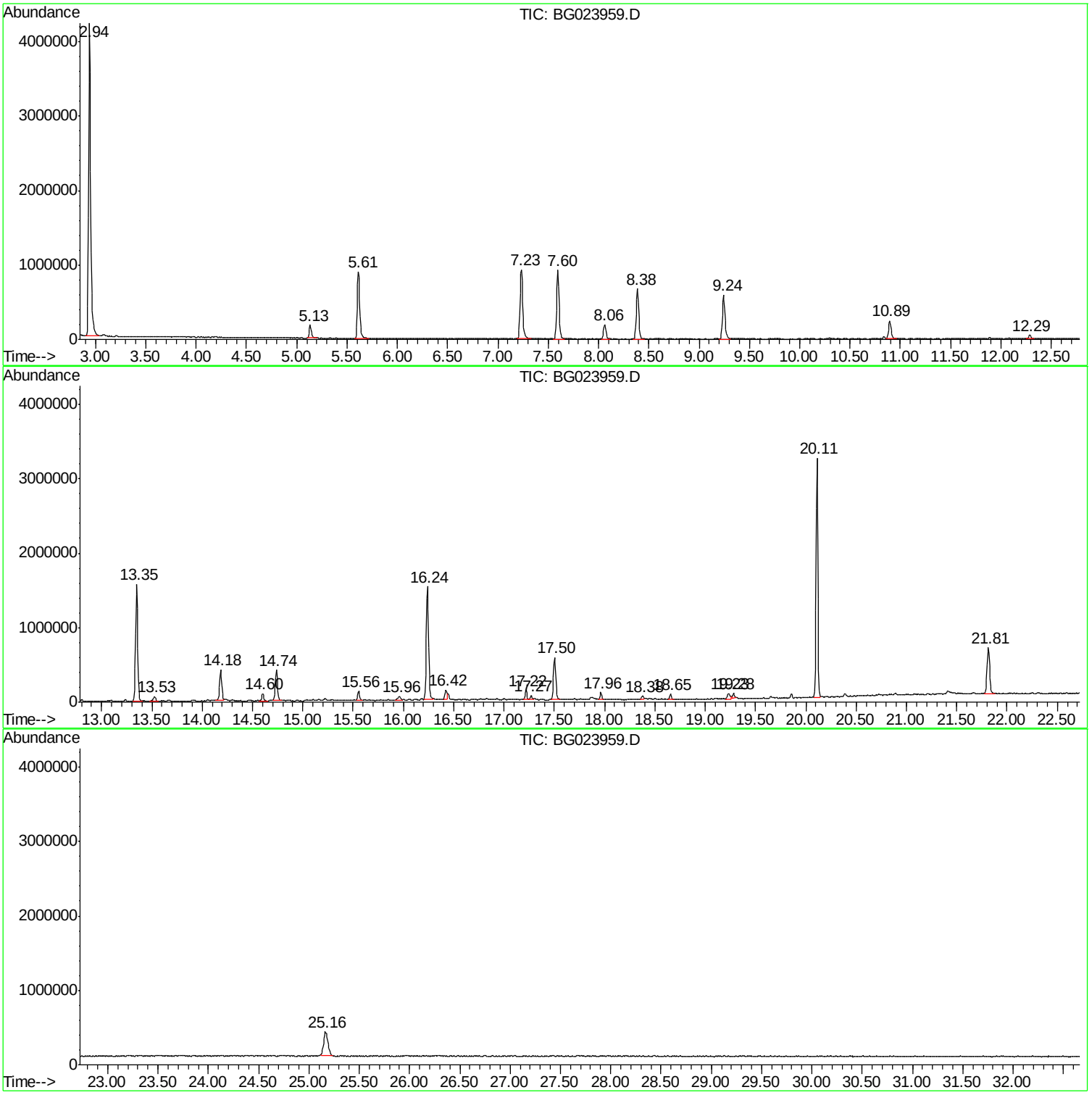
LSC Report - Integrated Chromatogram

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG090716\
Data File : BG023959.D
Acq On : 7 Sep 2016 19:03
Operator : UM/SJ
Sample : H4720-05
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : DI-BOTTOM

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\BG090716\
Data File : BG023959.D
Acq On : 7 Sep 2016 19:03
Operator : UM/SJ
Sample : H4720-05
Misc :
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Instrument : BNA_G
ClientSampleId : DI-BOTTOM

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

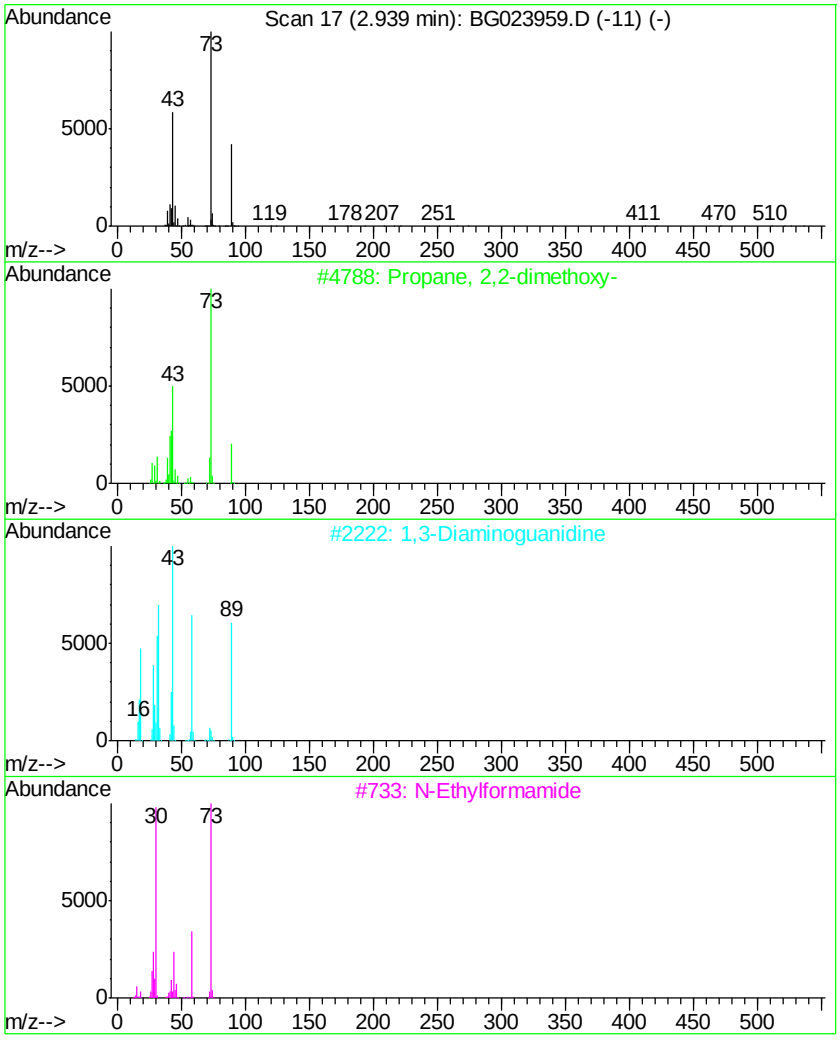
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

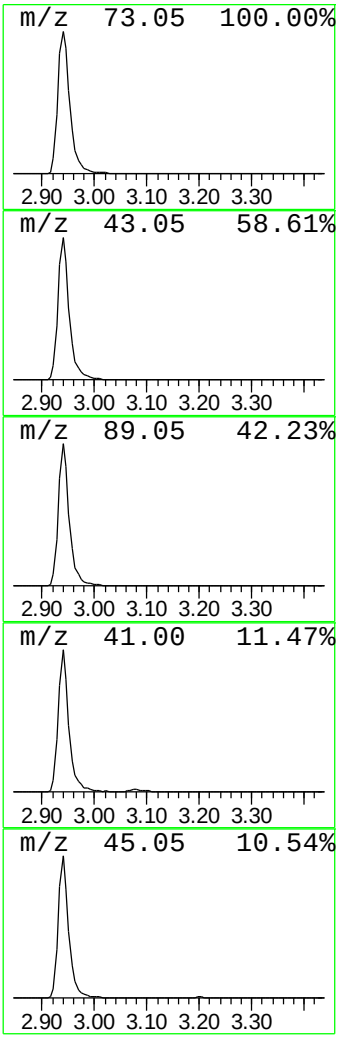
****

Peak Number 1 Propane, 2,2-dimethoxy- Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.94	384.10 ng	6353500	1,4-Dichlorobenzene-d4	8.06

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Propane, 2,2-dimethoxy-	104	C5H12O2	000077-76-9	50
2	1,3-Diaminoguanidine	89	CH7N5	004364-78-7	23
3	N-Ethylformamide	73	C3H7NO	000627-45-2	9
4	Propane, 2-methoxy-2-methyl-	88	C5H12O	001634-04-4	9
5	2-Hydroxy-2-methylbutyric acid	118	C5H10O3	003739-30-8	9





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Data File : BG023959.D
Acq On : 7 Sep 2016 19:03
Operator : UM/SJ
Sample : H4720-05
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : DI-BOTTOM

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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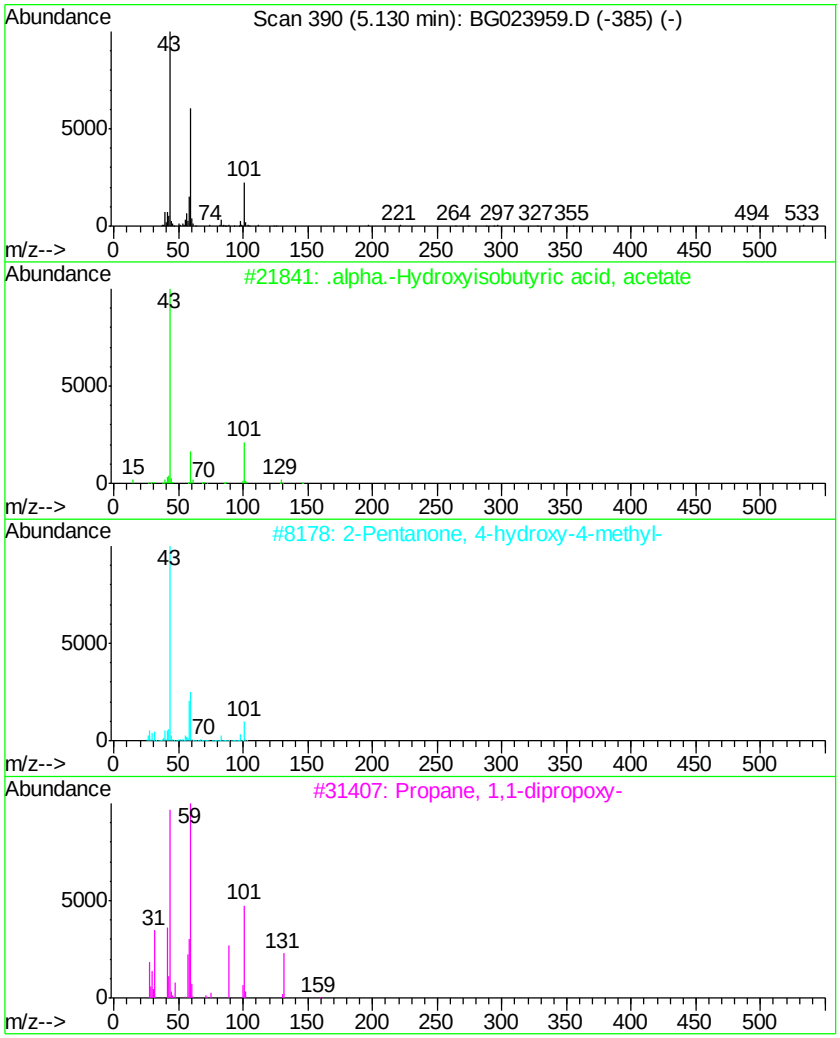
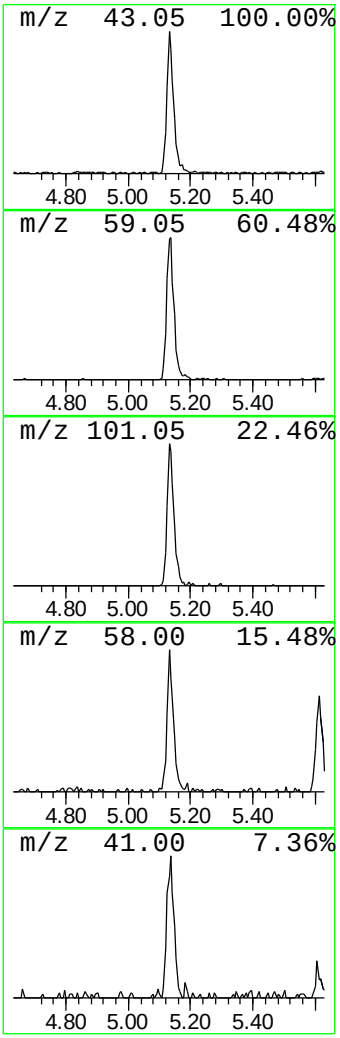
Peak Number 2 .alpha.-Hydroxyisobutyric a... Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.13	16.38 ng	270952	1,4-Dichlorobenzene-d4	8.06

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	.alpha.-Hydroxyisobutyric acid, ...	146	C6H10O4	1000374-31-3	64
2	2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	59
3	Propane, 1,1-dipropoxy-	160	C9H20O2	004744-11-0	39
4	2,2,3,3,5,8,11-Heptamethyl-4,7,1...	348	C18H40O4Si	1000367-07-2	38
5	Hydrazine, 1,1-bis(1-methylethyl)-	116	C6H16N2	000921-14-2	28





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Data File : BG023959.D
Acq On : 7 Sep 2016 19:03
Operator : UM/SJ
Sample : H4720-05
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : DI-BOTTOM

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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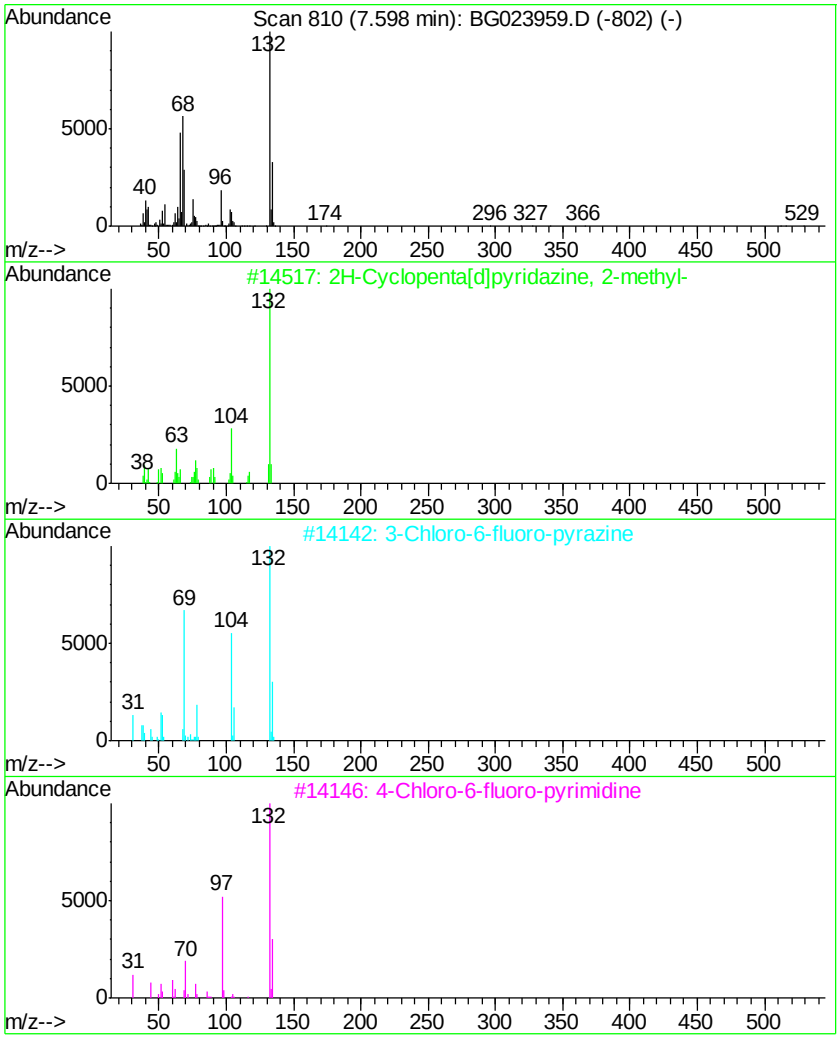
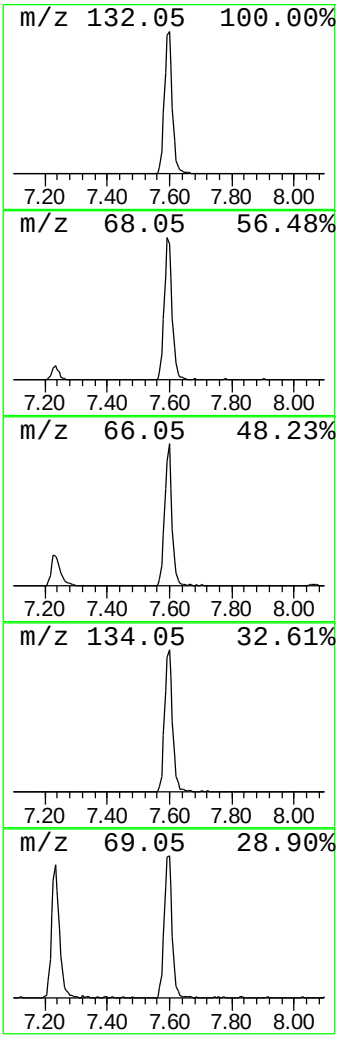
Peak Number 3 unknown7.60 Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.60	97.95 ng	1620270	1,4-Dichlorobenzene-d4	8.06

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2H-Cyclopenta[d]pyridazine, 2-me...	132	C8H8N2	022291-85-6	18
2	3-Chloro-6-fluoro-pyrazine	132	C4H2ClFN2	1000146-10-7	14
3	4-Chloro-6-fluoro-pyrimidine	132	C4H2ClFN2	051422-01-6	14
4	1H-Benzimidazole, 2-methyl-	132	C8H8N2	000615-15-6	14
5	Pyrazolo(2,3-a)pyridine, 7-methyl-	132	C8H8N2	034760-58-2	10





Data Path : Z:\HPCHEM1\BNA_G\DATA\BG090716\
Data File : BG023959.D
Acq On : 7 Sep 2016 19:03
Operator : UM/SJ
Sample : H4720-05
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : DI-BOTTOM

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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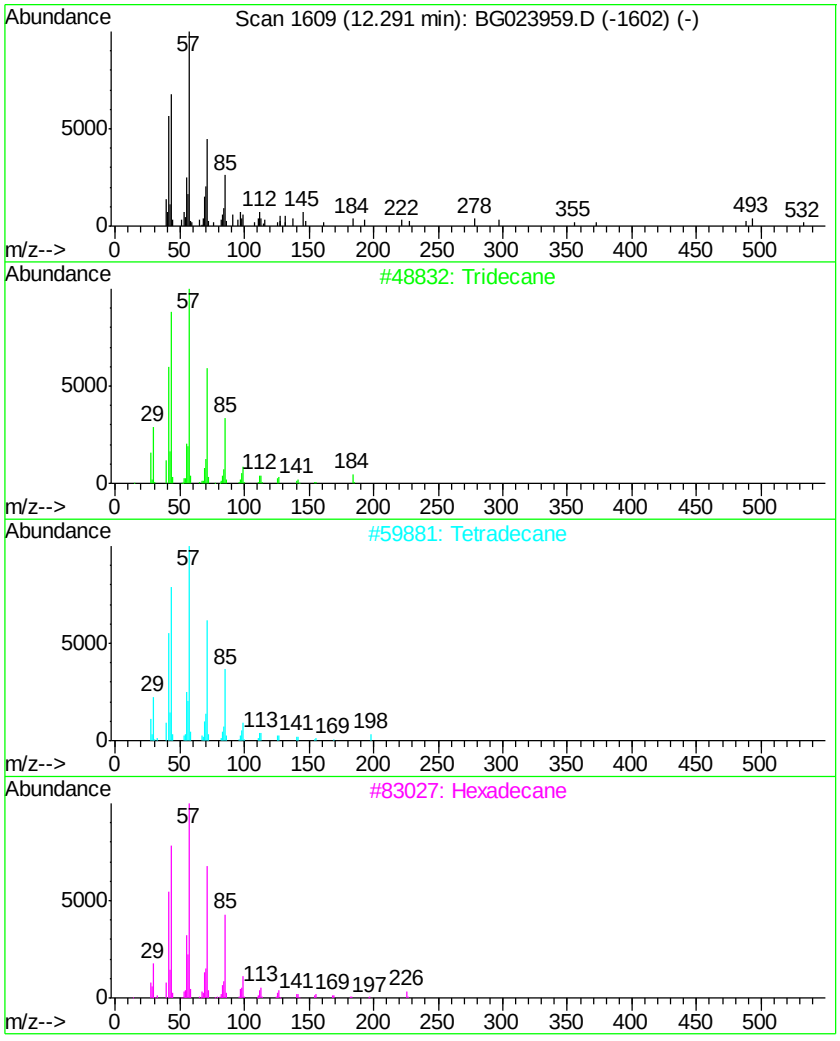
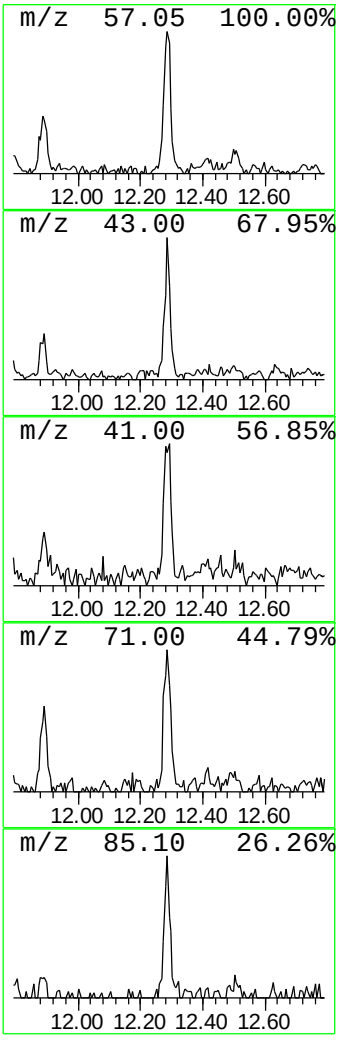
Peak Number 5 Tridecane Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.29	3.76 ng	85669	Naphthalene-d8	10.90

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Tridecane	184	C13H28	000629-50-5	90
2	Tetradecane	198	C14H30	000629-59-4	86
3	Hexadecane	226	C16H34	000544-76-3	86
4	Tridecane, 7-propyl-	226	C16H34	055045-09-5	80
5	Undecane, 2-methyl-	170	C12H26	007045-71-8	80





Data Path : Z:\HPCHEM1\BNA_G\DATA\BG090716\
Data File : BG023959.D
Acq On : 7 Sep 2016 19:03
Operator : UM/SJ
Sample : H4720-05
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : DI-BOTTOM

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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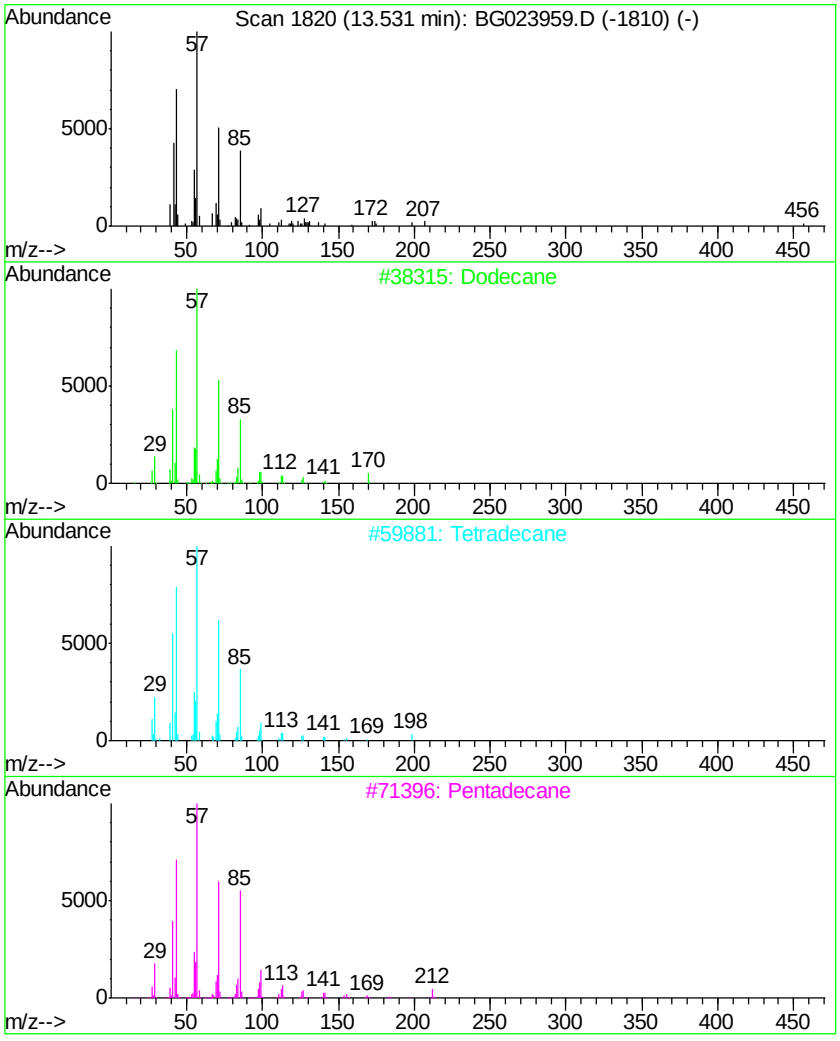
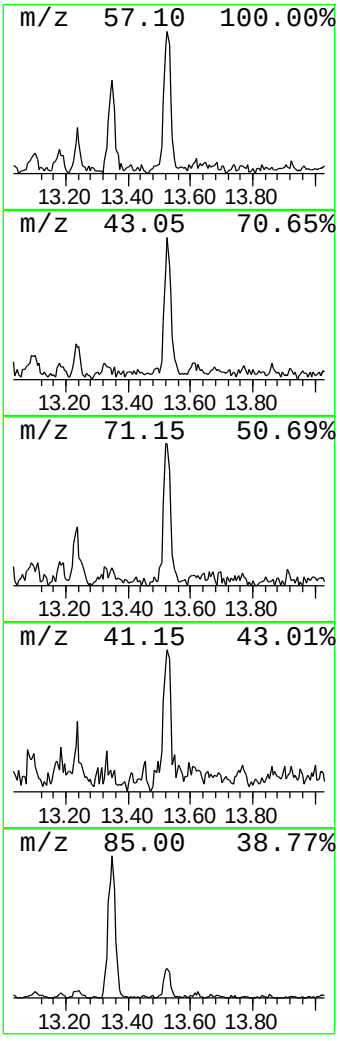
Peak Number 6 Dodecane Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.53	3.38 ng	115962	Acenaphthene-d10	14.74

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dodecane	170	C12H26	000112-40-3	83
2	Tetradecane	198	C14H30	000629-59-4	81
3	Pentadecane	212	C15H32	000629-62-9	72
4	Undecane, 3,9-dimethyl-	184	C13H28	017301-31-4	72
5	Decane, 3,6-dimethyl-	170	C12H26	017312-53-7	72





Data Path : Z:\HPCHEM1\BNA_G\DATA\BG090716\
Data File : BG023959.D
Acq On : 7 Sep 2016 19:03
Operator : UM/SJ
Sample : H4720-05
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : DI-BOTTOM

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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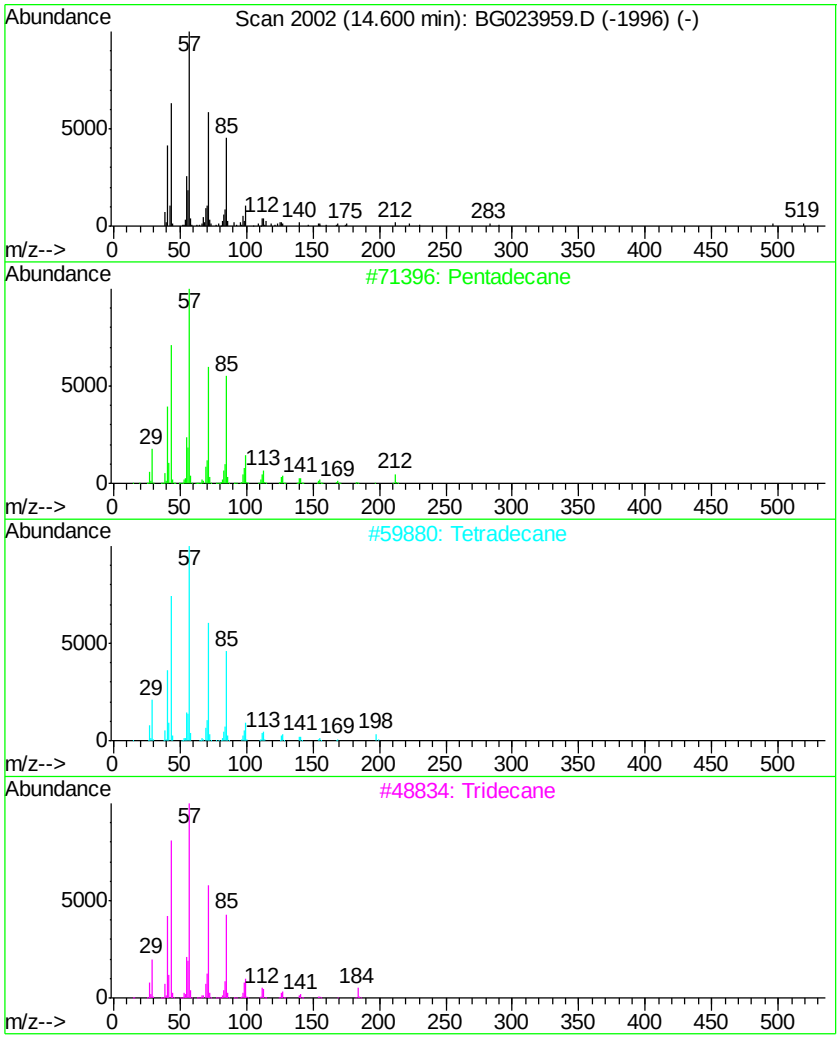
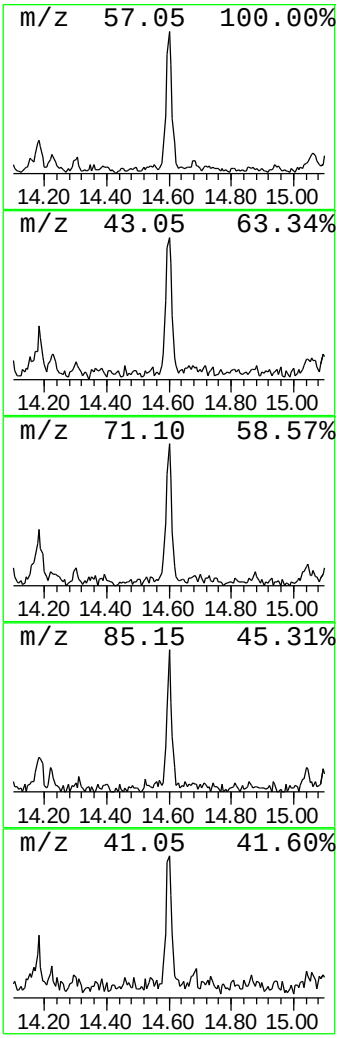
Peak Number 7 Pentadecane Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.60	4.16 ng	142420	Acenaphthene-d10	14.74

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pentadecane	212	C15H32	000629-62-9	94
2	Tetradecane	198	C14H30	000629-59-4	86
3	Tridecane	184	C13H28	000629-50-5	86
4	Dodecane, 2-methyl-	184	C13H28	001560-97-0	78
5	Eicosane	282	C20H42	000112-95-8	78





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG090716\
Data File : BG023959.D
Acq On : 7 Sep 2016 19:03
Operator : UM/SJ
Sample : H4720-05
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
DI-BOTTOM

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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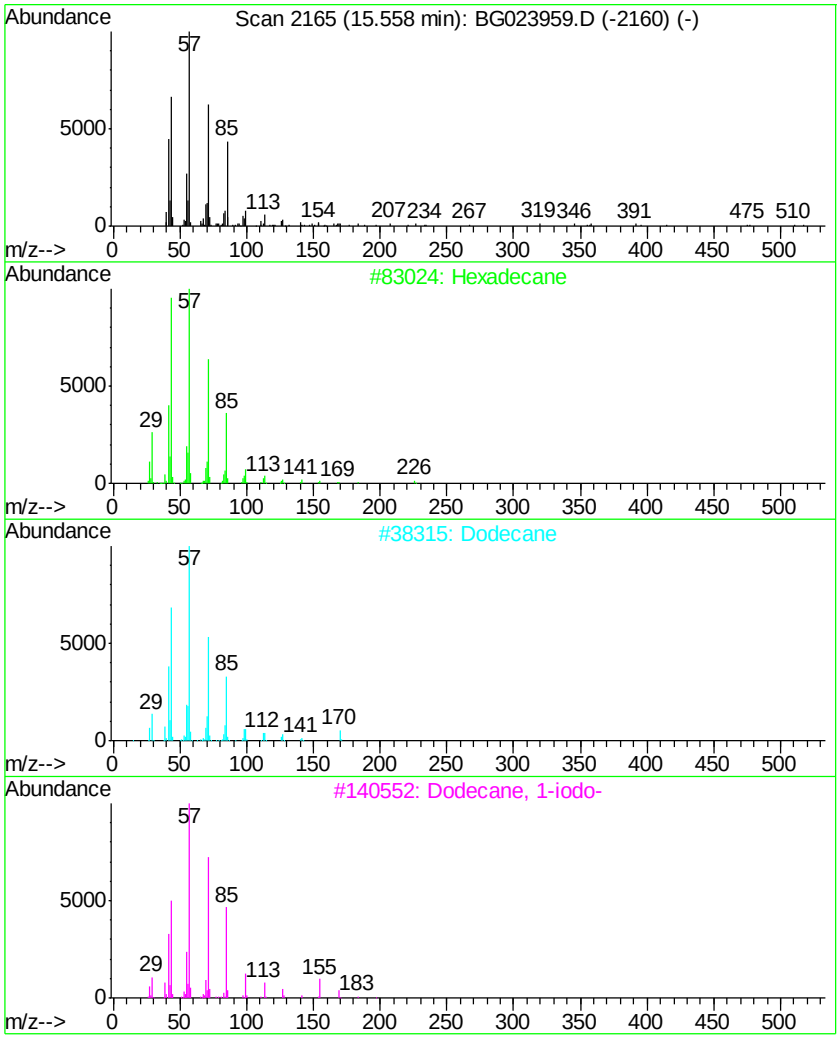
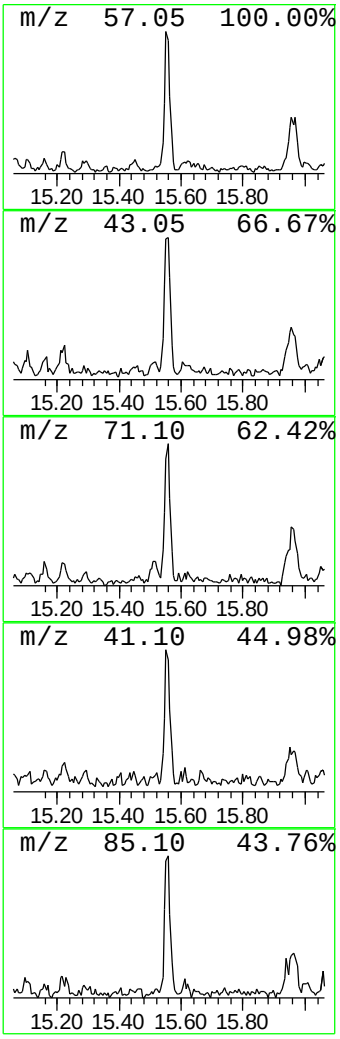
Peak Number 8 Hexadecane Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.56	4.90 ng	167822	Acenaphthene-d10	14.74

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexadecane	226	C16H34	000544-76-3	91
2	Dodecane	170	C12H26	000112-40-3	83
3	Dodecane, 1-iodo-	296	C12H25I	004292-19-7	80
4	Pentadecane	212	C15H32	000629-62-9	80
5	Tetradecane	198	C14H30	000629-59-4	80





Data Path : Z:\HPCHEM1\BNA_G\DATA\BG090716\
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Acq On : 7 Sep 2016 19:03
Operator : UM/SJ
Sample : H4720-05
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : DI-BOTTOM

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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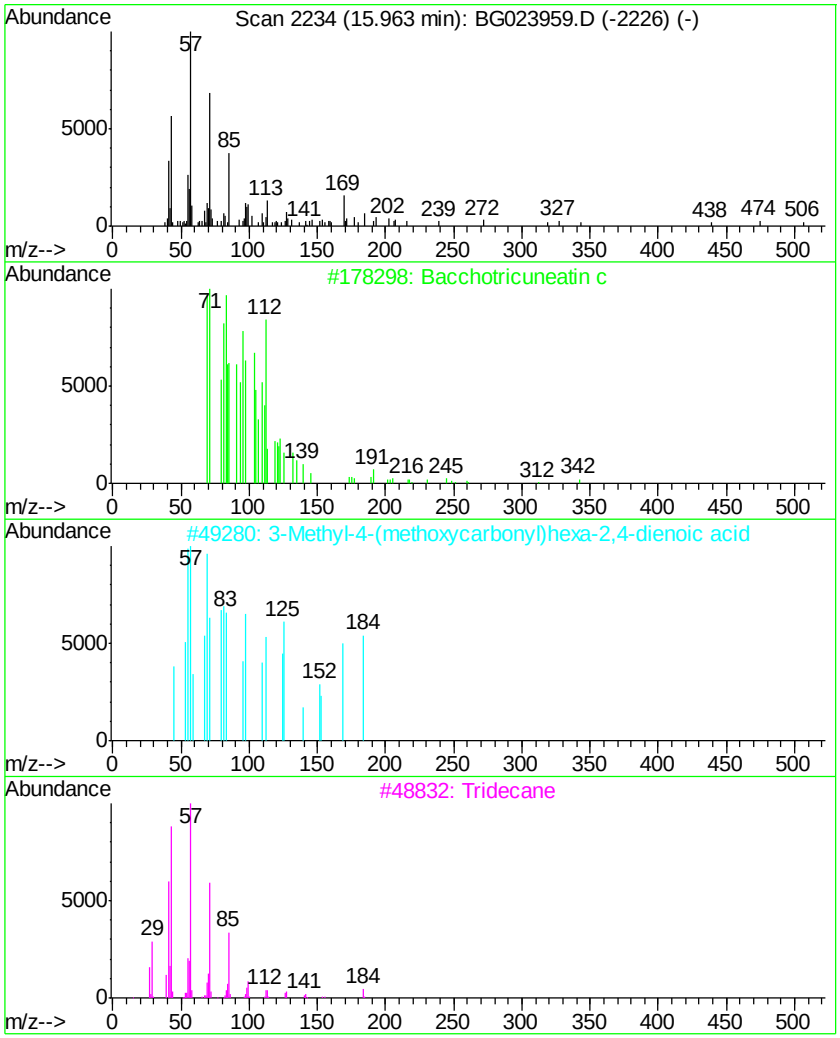
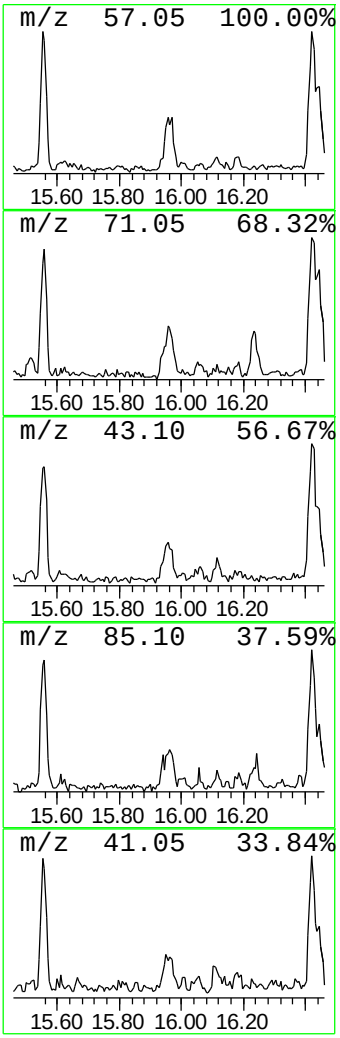
Peak Number 9 Bacchotricuneatin c Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.96	3.02 ng	103428	Acenaphthene-d10	14.74

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Bacchotricuneatin c	342	C20H22O5	066563-30-2	95
2	3-Methyl-4-(methoxycarbonyl)hexa...	184	C9H12O4	1000104-10-8	86
3	Tridecane	184	C13H28	000629-50-5	52
4	Decane, 6-ethyl-2-methyl-	184	C13H28	062108-21-8	50
5	Decane, 2-methyl-	156	C11H24	006975-98-0	49





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Data File : BG023959.D
Acq On : 7 Sep 2016 19:03
Operator : UM/SJ
Sample : H4720-05
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : DI-BOTTOM

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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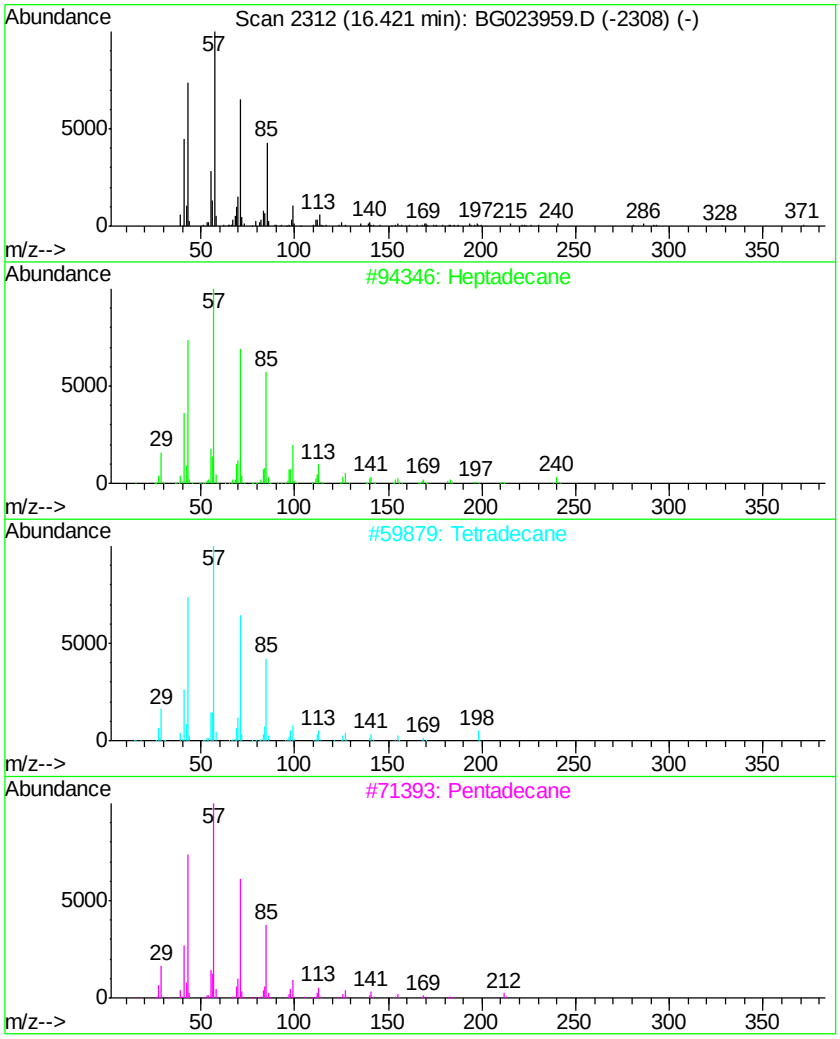
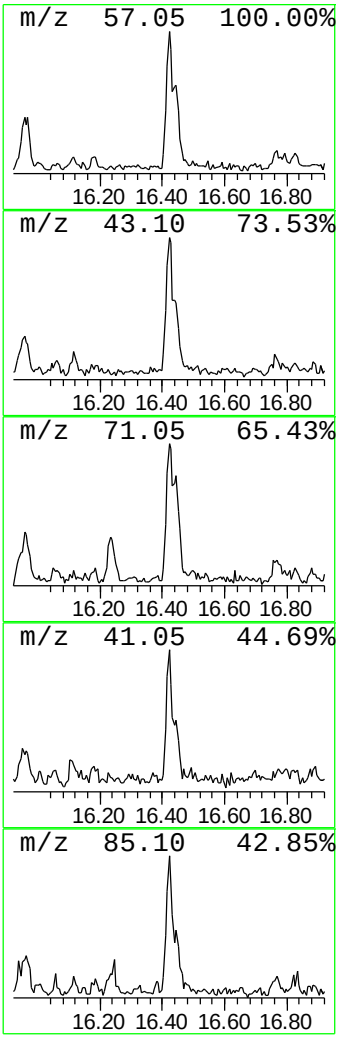
Peak Number 10 Heptadecane Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.42	3.74 ng	170584	Phenanthrene-d10	17.50

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heptadecane	240	C17H36	000629-78-7	94
2	Tetradecane	198	C14H30	000629-59-4	91
3	Pentadecane	212	C15H32	000629-62-9	90
4	Tetracosane	338	C24H50	000646-31-1	90
5	Nonadecane	268	C19H40	000629-92-5	90





Data Path : Z:\HPCHEM1\BNA_G\DATA\BG090716\
Data File : BG023959.D
Acq On : 7 Sep 2016 19:03
Operator : UM/SJ
Sample : H4720-05
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : DI-BOTTOM

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

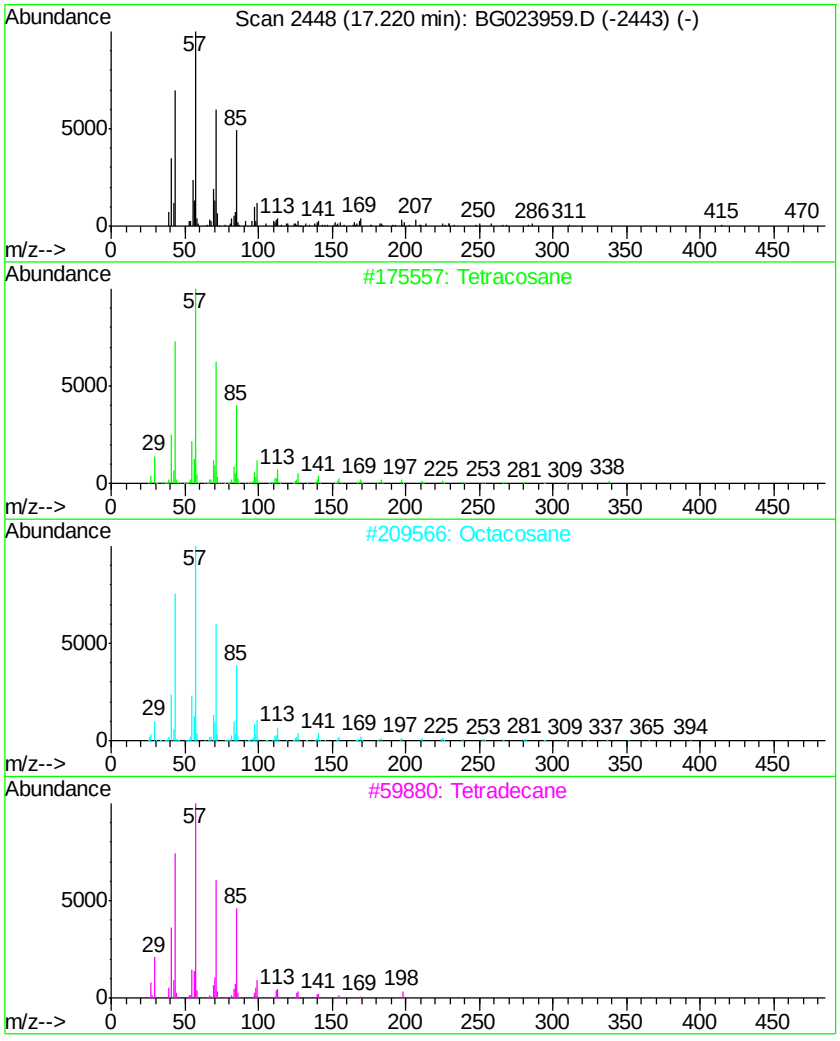
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

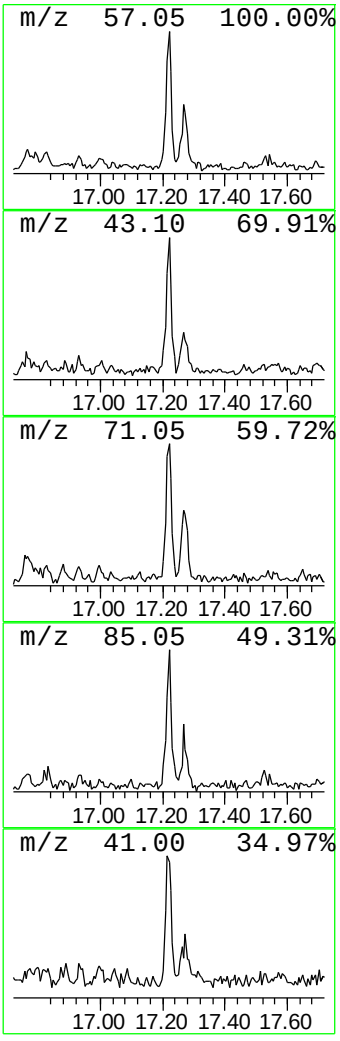
****

Peak Number 11 Tetracosane Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.22	3.36 ng	153269	Phenanthrene-d10	17.50

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Tetracosane	338	C24H50	000646-31-1	86
2	Octacosane	394	C28H58	000630-02-4	78
3	Tetradecane	198	C14H30	000629-59-4	74
4	Sulfurous acid, 2-propyl undecyl...	278	C14H30O3S	1000309-12-2	64
5	Heptacosane	380	C27H56	000593-49-7	58





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Data File : BG023959.D
Acq On : 7 Sep 2016 19:03
Operator : UM/SJ
Sample : H4720-05
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : DI-BOTTOM

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

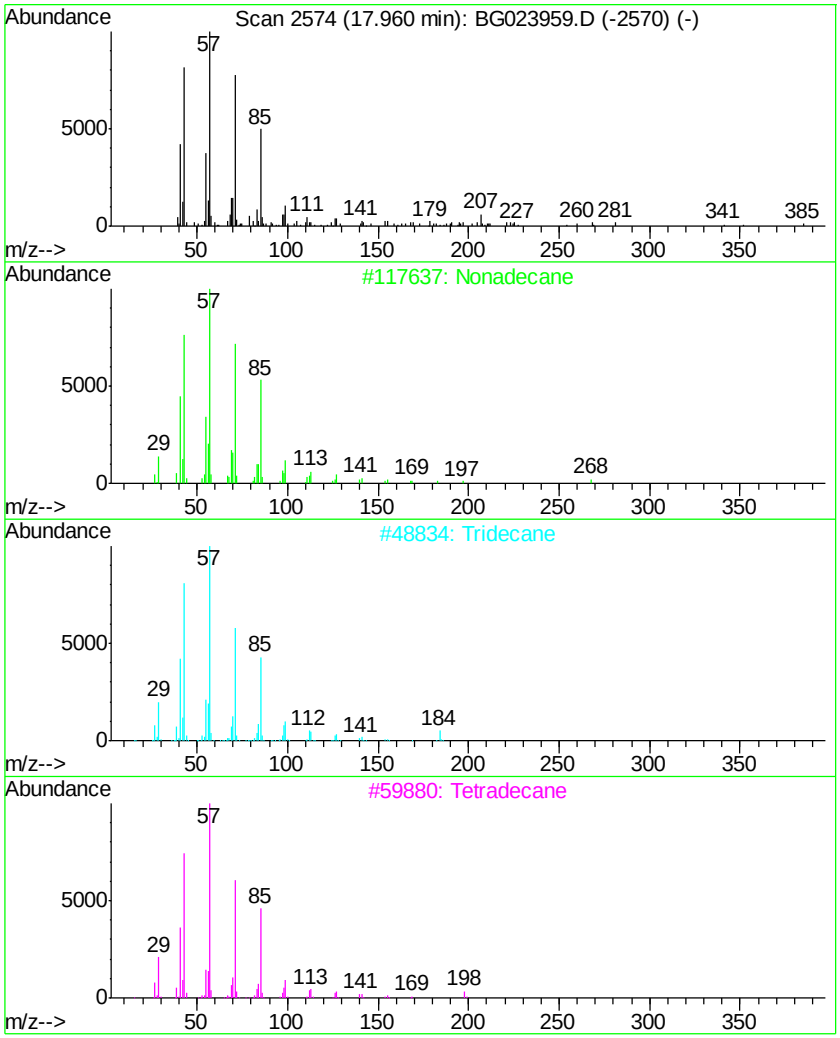
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

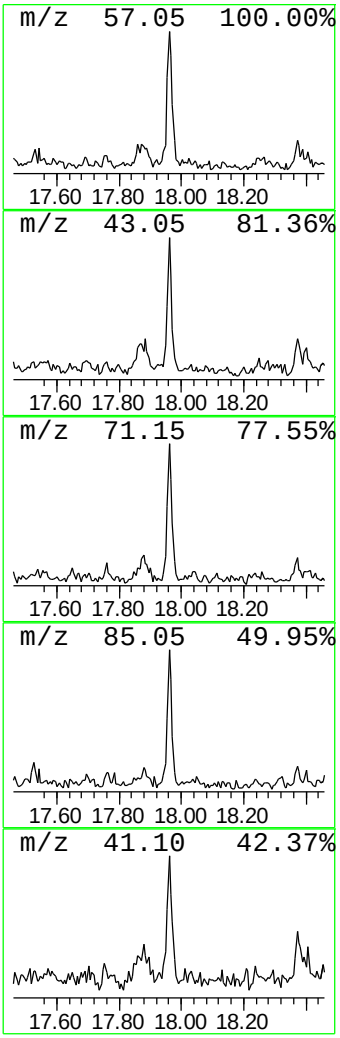
****

Peak Number 12 Nonadecane Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.96	2.48 ng	113137	Phenanthrene-d10	17.50

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Nonadecane	268	C19H40	000629-92-5	93
2	Tridecane	184	C13H28	000629-50-5	87
3	Tetradecane	198	C14H30	000629-59-4	86
4	Eicosane	282	C20H42	000112-95-8	86
5	Dodecane, 4-methyl-	184	C13H28	006117-97-1	86





Data Path : Z:\HPCHEM1\BNA_G\DATA\BG090716\
Data File : BG023959.D
Acq On : 7 Sep 2016 19:03
Operator : UM/SJ
Sample : H4720-05
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : DI-BOTTOM

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

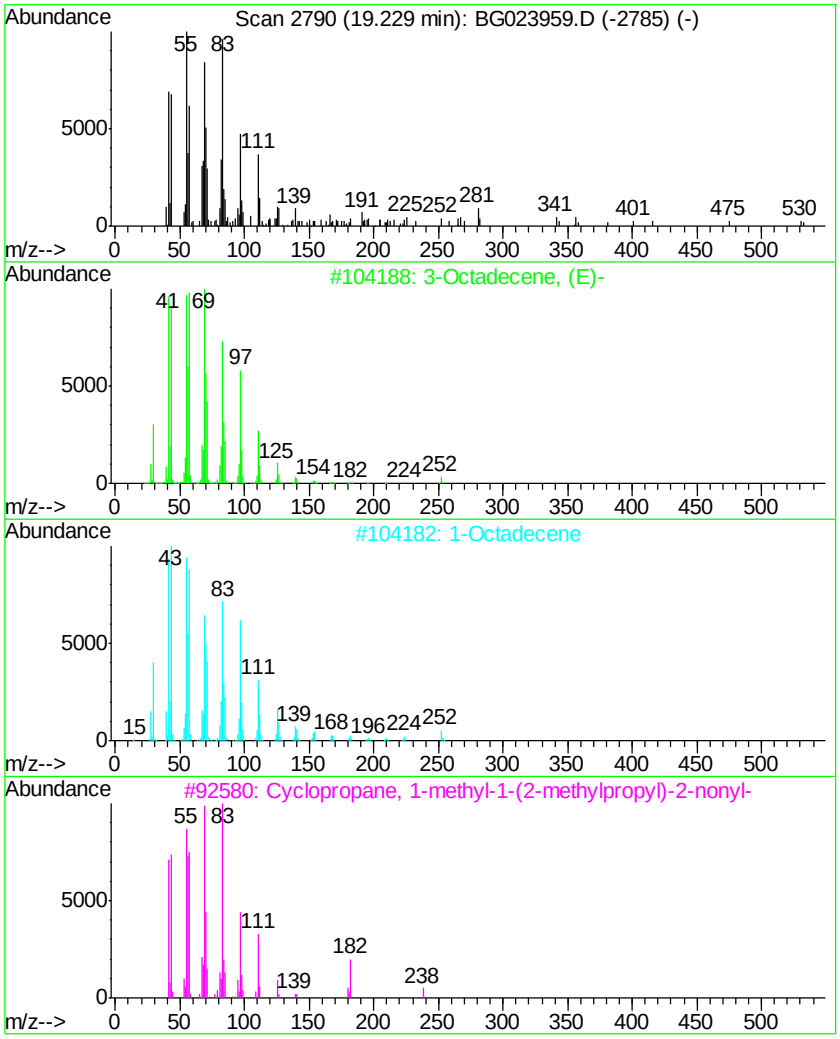
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

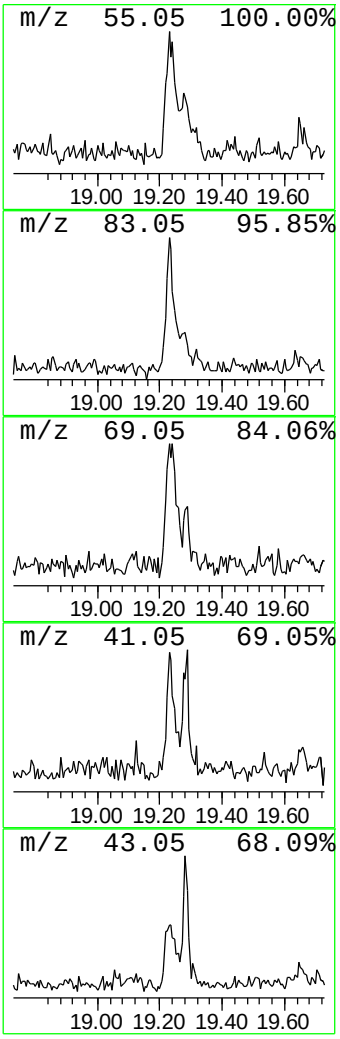
****

Peak Number 13 3-Octadecene, (E)- Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.23	3.19 ng	145502	Phenanthrene-d10	17.50

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-Octadecene, (E)-	252	C18H36	007206-19-1	97
2	1-Octadecene	252	C18H36	000112-88-9	93
3	Cyclopropane, 1-methyl-1-(2-meth...	238	C17H34	041977-41-7	91
4	Fumaric acid, 2-chloropropyl tri...	374	C20H35ClO4	1000348-57-1	64
5	Cyclopentane, 1-pentyl-2-propyl-	182	C13H26	062199-51-3	58





Tentatively Identified Compound (LSC) summary

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG090716\
Data File : BG023959.D
Acq On : 7 Sep 2016 19:03
Operator : UM/SJ
Sample : H4720-05
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : DI-BOTTOM

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
Propane, 2,2-dime...	2.94	384.1	ng	6353500	1	8.06	330826	20.0
.alpha.-Hydroxyis...	5.13	16.4	ng	270952	1	8.06	330826	20.0
unknown7.60	7.60	98.0	ng	1620270	1	8.06	330826	20.0
Tridecane	12.29	3.8	ng	85669	2	10.90	455432	20.0
Dodecane	13.53	3.4	ng	115962	3	14.74	685364	20.0
Pentadecane	14.60	4.2	ng	142420	3	14.74	685364	20.0
Hexadecane	15.56	4.9	ng	167822	3	14.74	685364	20.0
Bacchotricuneatin c	15.96	3.0	ng	103428	3	14.74	685364	20.0
Heptadecane	16.42	3.7	ng	170584	4	17.50	911025	20.0
Tetracosane	17.22	3.4	ng	153269	4	17.50	911025	20.0
Nonadecane	17.96	2.5	ng	113137	4	17.50	911025	20.0
3-Octadecene, (E)-	19.23	3.2	ng	145502	4	17.50	911025	20.0