LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA G\DATA\BG071316\
Data File : BG023091.D
Acq On : 14 Jul 2016 6:33
Operator : UM/SJ
Sample : H4014-01
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : SYSDIS-071216

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-BG070816.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	4.617	297	303	313	rBV	1063883	1619200	1.28%	0.675%
2	5.258	402	412	420	rVB	1373400	2758315	2.18%	1.150%
3	5.493	434	452	457	rBV	35912573	126731851	100.00%	52.857%
4	7.526	781	798	803	rBV	17490514	53474490	42.19%	22.303%
5	8.196	898	912	919	rVB2	3389359	6501303	5.13%	2.712%
6	8.519	952	967	976	rBV2	3903124	8737926	6.89%	3.644%
7	9.330	1097	1105	1118	rVB	1056361	2052646	1.62%	0.856%
8	9.570	1137	1146	1158	rBV	2521813	4327389	3.41%	1.805%
9	11.427	1449	1462	1472	rBV	2539911	4625592	3.65%	1.929%
10	12.555	1647	1654	1666	rVB	3081680	5377865	4.24%	2.243%
11	13.419	1790	1801	1810	rVB	2783430	4558242	3.60%	1.901%
12	13.877	1873	1879	1886	rBV	962013	1524506	1.20%	0.636%
13	14.800	2026	2036	2044	rVB2	1011474	1796317	1.42%	0.749%
14	17.555	2498	2505	2512	rBV2	1462225	2321755	1.83%	0.968%
15	20.158	2942	2948	2955	rBV	5890925	8099466	6.39%	3.378%
16	21.862	3231	3238	3248	rVB	1569988	2706367	2.14%	1.129%
17	25.240	3803	3813	3828	rBV2	817682	2549472	2.01%	1.063%

Sum of corrected areas: 239762702

LSC Report - Integrated Chromatogram

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Data File : BG023091.D
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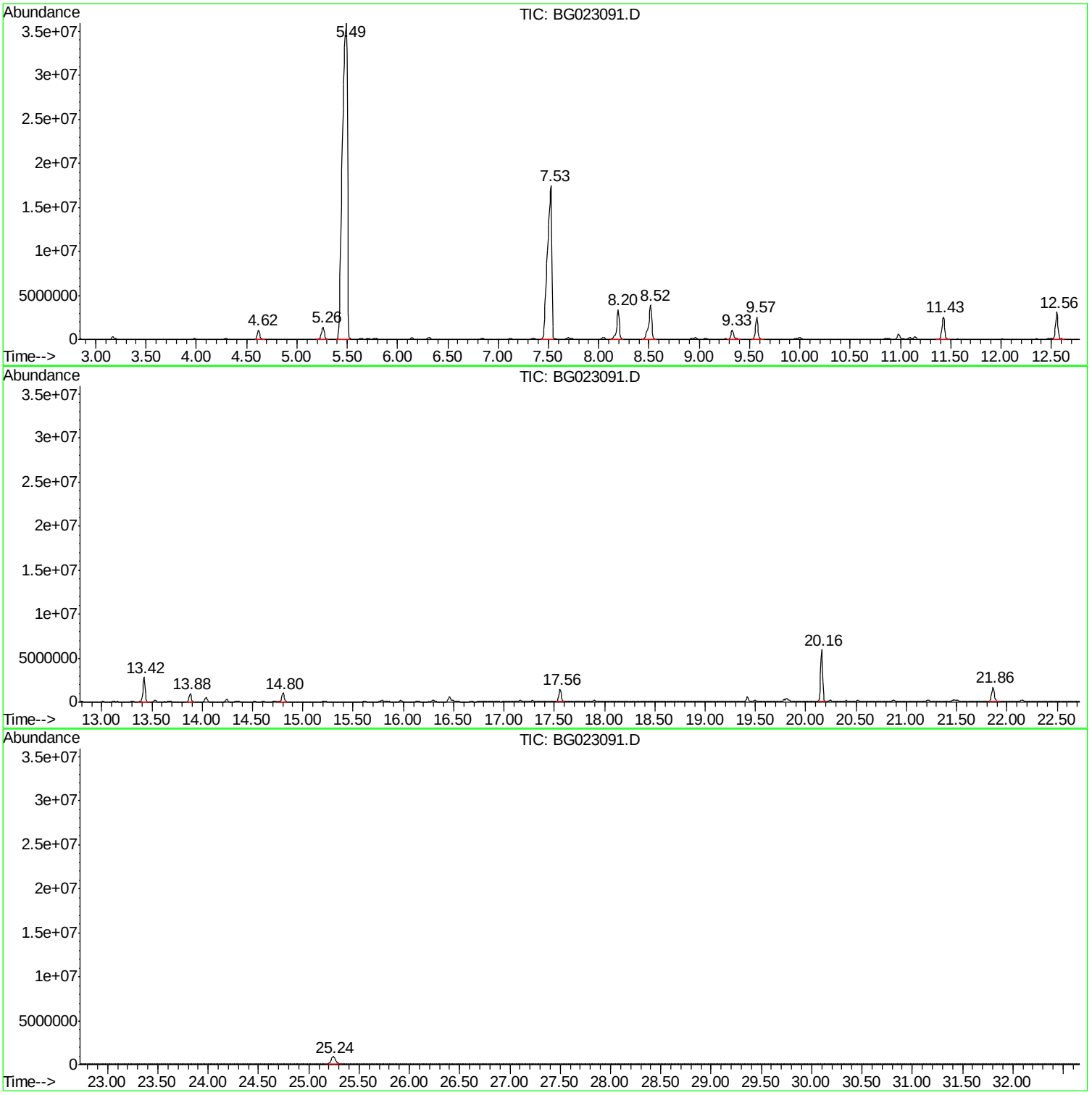
Operator : UM/SJ
Sample : H4014-01
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : SYSDIS-071216

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\8270-BG070816.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P



Data Path : Z:\HPCHEM1\BNA G\DATA\BG071316\
Data File : BG023091.D
Acq On : 14 Jul 2016 6:33
Operator : UM/SJ
Sample : H4014-01
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : SYSDIS-071216

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\8270-BG070816.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

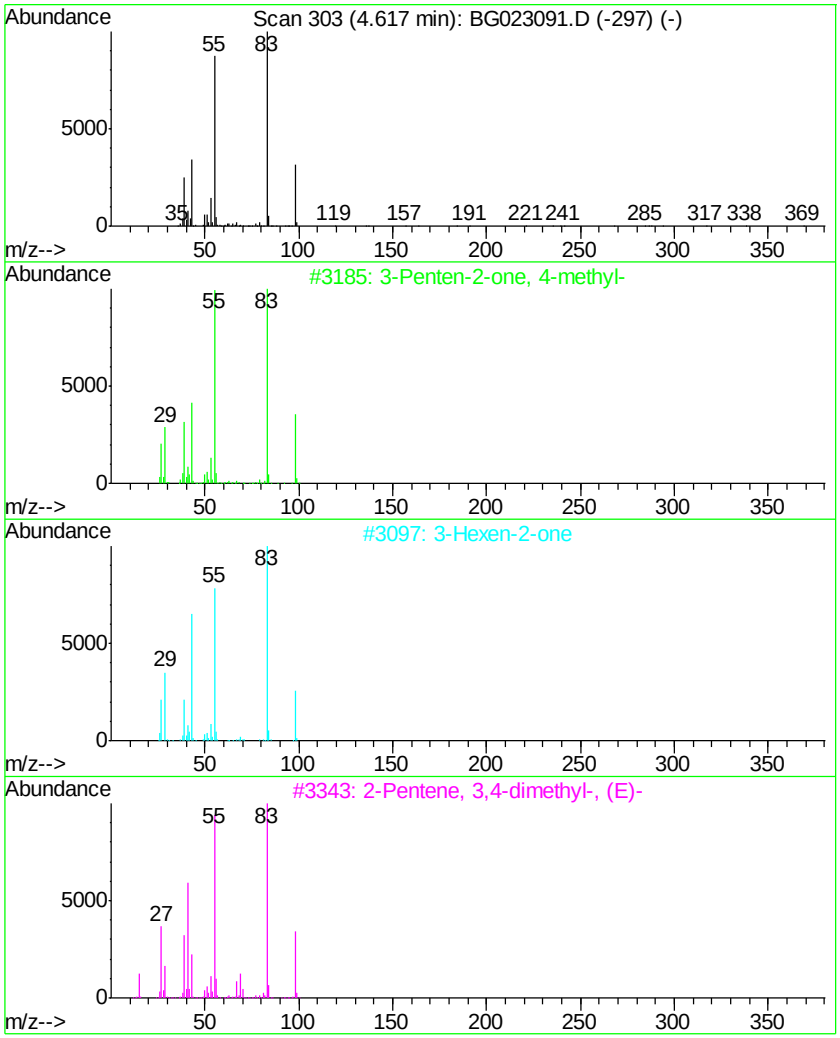
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

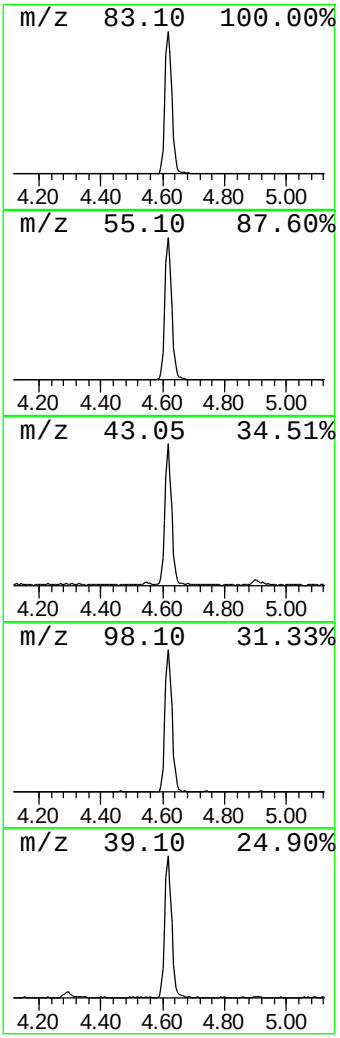
****

Peak Number 1 3-Penten-2-one, 4-methyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.62	4.98 ng	1619200	1,4-Dichlorobenzene-d4	8.15

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-Penten-2-one, 4-methyl-	98	C6H10O	000141-79-7	91
2	3-Hexen-2-one	98	C6H10O	000763-93-9	91
3	2-Pentene, 3,4-dimethyl-, (E)-	98	C7H14	004914-92-5	90
4	2-Pentene, 4,4-dimethyl-, (Z)-	98	C7H14	000762-63-0	86
5	2-Pentene, 4,4-dimethyl-, (E)-	98	C7H14	000690-08-4	86





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Data File : BG023091.D
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Operator : UM/SJ
Sample : H4014-01
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : SYSDIS-071216

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\8270-BG070816.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

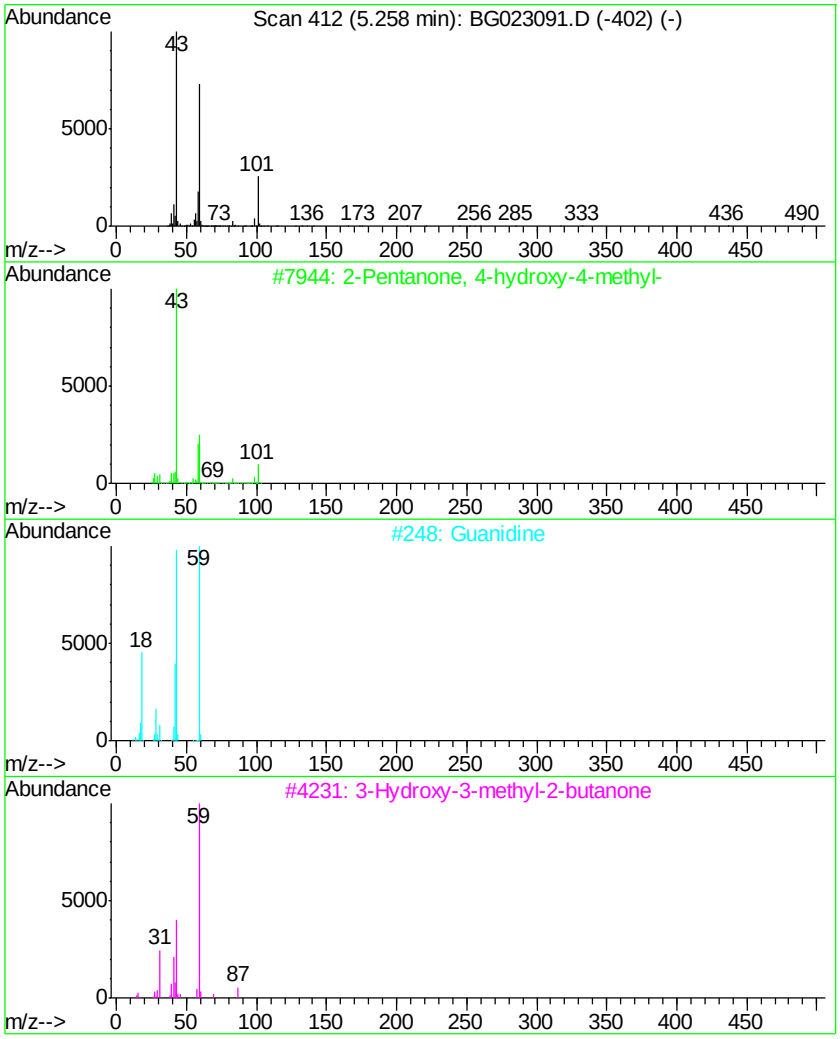
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

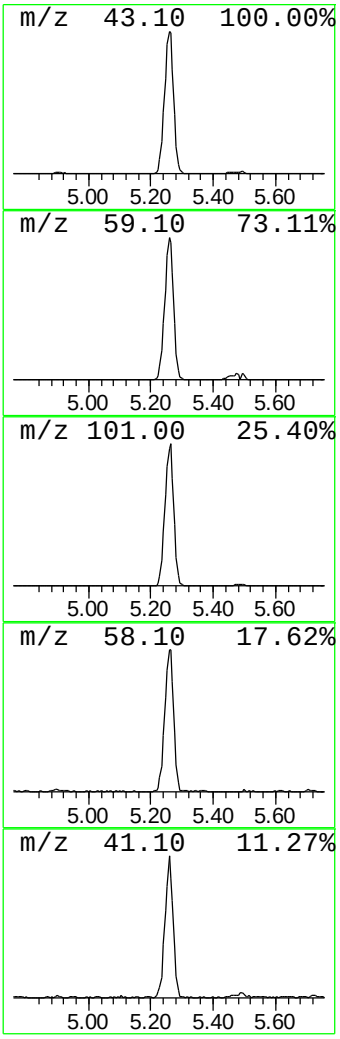
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.26	8.49 ng	2758320	1,4-Dichlorobenzene-d4	8.15

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	64
2	Guanidine	59	CH5N3	000113-00-8	43
3	3-Hydroxy-3-methyl-2-butanone	102	C5H10O2	000115-22-0	25
4	Acetic acid, cyano-, 1,1-dimethy...	141	C7H11NO2	001116-98-9	25
5	Acetone	58	C3H6O	000067-64-1	10





Library Search Compound Report

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Data File : BG023091.D
Acq On : 14 Jul 2016 6:33
Operator : UM/SJ
Sample : H4014-01
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : SYSDIS-071216

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\8270-BG070816.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

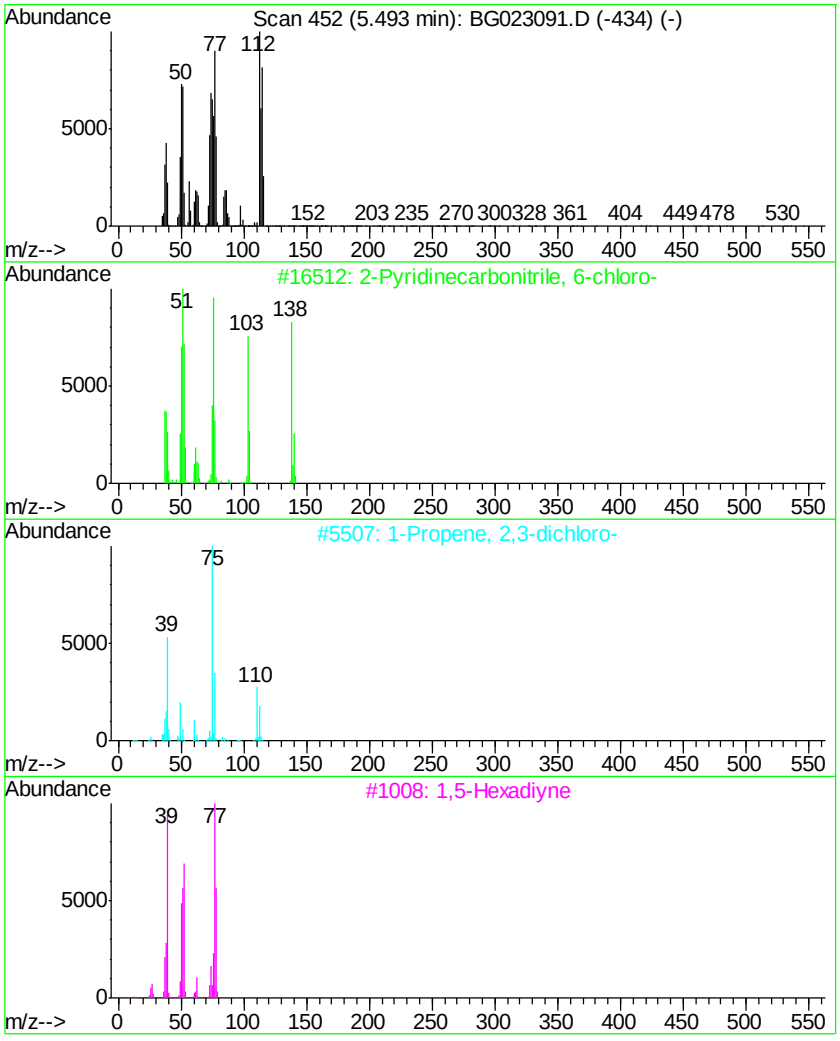
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

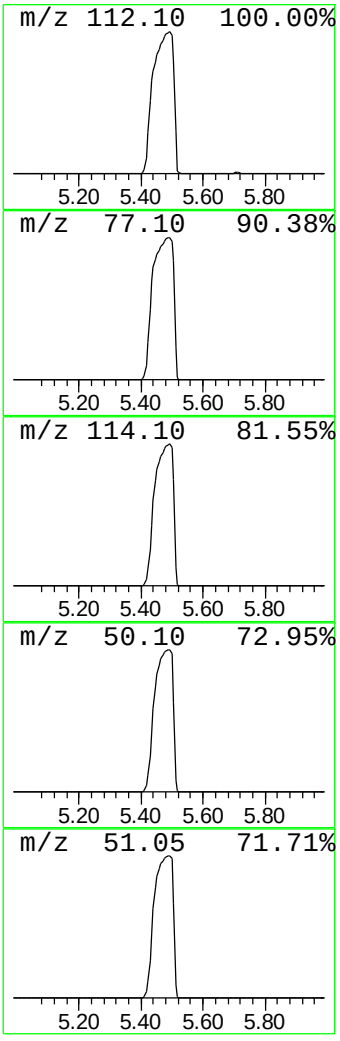
****

Peak Number 3 unknown5.49 Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.49	389.87 ng	126732000	1,4-Dichlorobenzene-d4	8.15

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Pyridinecarbonitrile, 6-chloro-	138	C6H3ClN2	033252-29-8	43
2	1-Propene, 2,3-dichloro-	110	C3H4Cl2	000078-88-6	38
3	1,5-Hexadiyne	78	C6H6	000628-16-0	32
4	Pyridine, 4-chloro-	113	C5H4ClN	000626-61-9	18
5	Propane, 3-chloro-1,1,1-trifluoro-	132	C3H4ClF3	000460-35-5	16





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Data File : BG023091.D
Acq On : 14 Jul 2016 6:33
Operator : UM/SJ
Sample : H4014-01
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : SYSDIS-071216

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\8270-BG070816.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

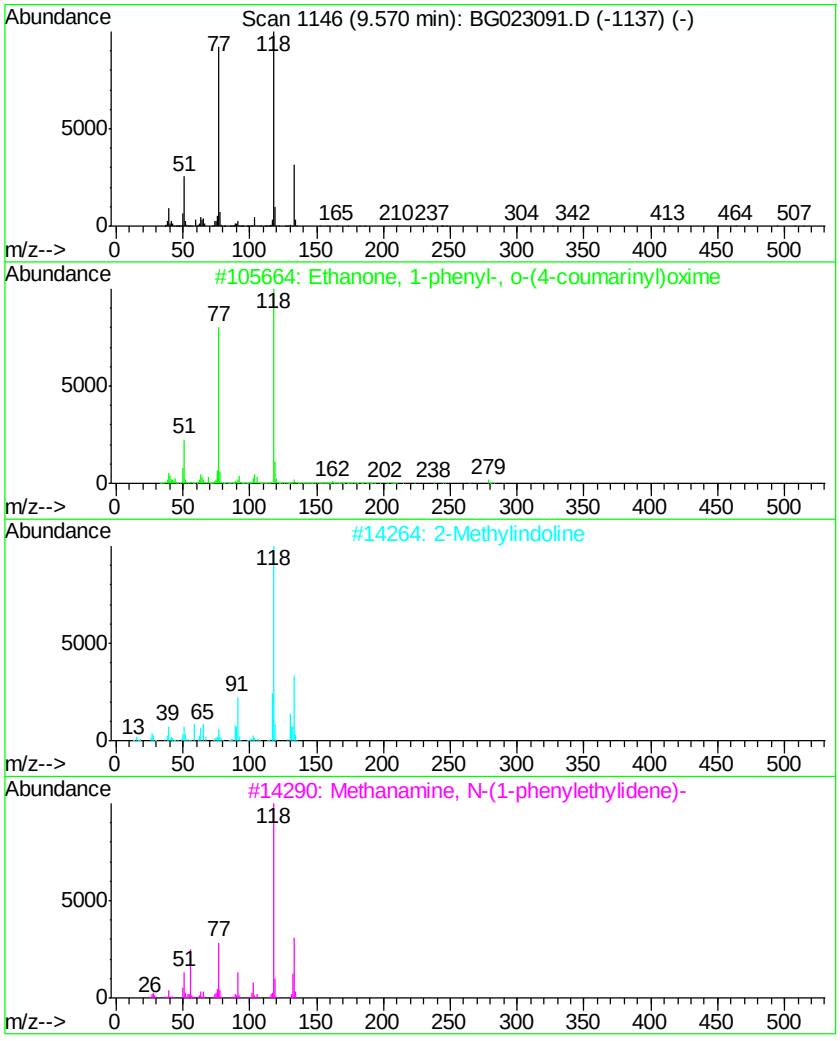
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

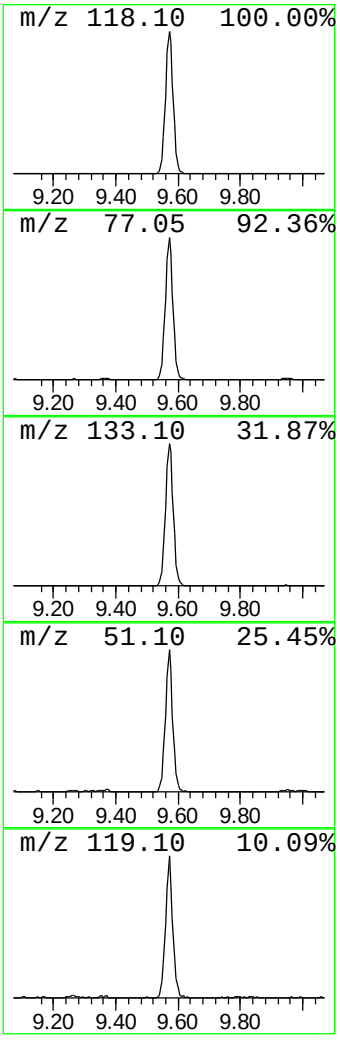
****

Peak Number 4 Ethanone, 1-phenyl-, o-(4-c... Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.57	18.71 ng	4327390	Naphthalene-d8	10.98

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Ethanone, 1-phenyl-, o-(4-coumar...	279	C17H13NO3	034605-11-3	78
2	2-Methylindoline	133	C9H11N	006872-06-6	43
3	Methanamine, N-(1-phenylethylide...	133	C9H11N	006907-71-7	40
4	2-Pyridylacetonitrile	118	C7H6N2	002739-97-1	35
5	1H-Indazole	118	C7H6N2	000271-44-3	27





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA G\DATA\BG071316\
Data File : BG023091.D
Acq On : 14 Jul 2016 6:33
Operator : UM/SJ
Sample : H4014-01
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : SYSDIS-071216

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\8270-BG070816.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

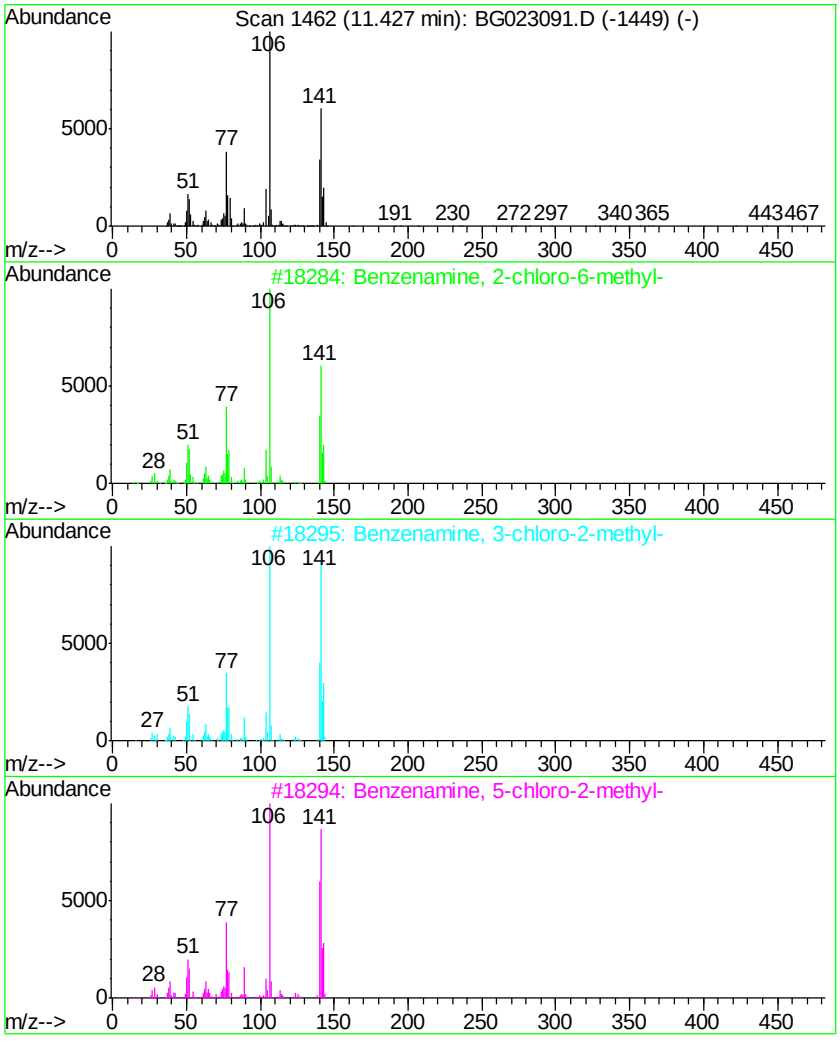
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

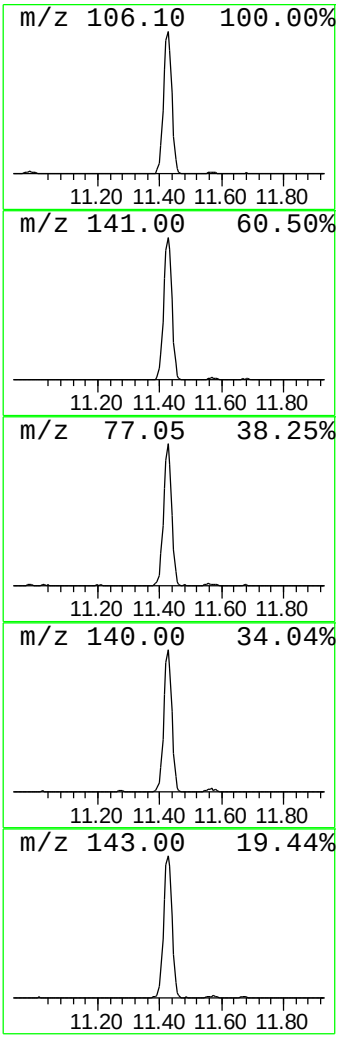
****

Peak Number 5 Benzenamine, 2-chloro-6-met... Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.43	20.00 ng	4625590	Naphthalene-d8	10.98

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzenamine, 2-chloro-6-methyl-	141	C7H8ClN	000087-63-8	97
2	Benzenamine, 3-chloro-2-methyl-	141	C7H8ClN	000087-60-5	94
3	Benzenamine, 5-chloro-2-methyl-	141	C7H8ClN	000095-79-4	93
4	2-Chloro-5-methylaniline	141	C7H8ClN	000095-81-8	93
5	Benzenamine, 4-chloro-2-methyl-	141	C7H8ClN	000095-69-2	93





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Instrument : BNA_G
ClientSampleId : SYSDIS-071216

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\8270-BG070816.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

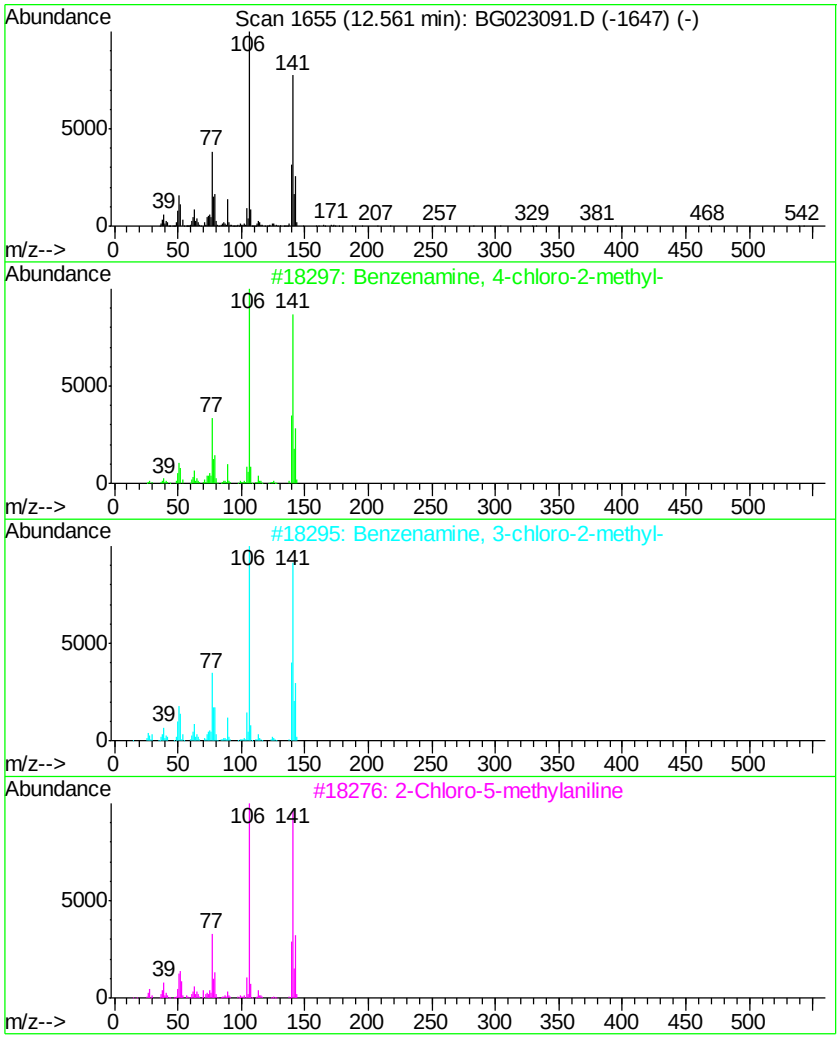
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

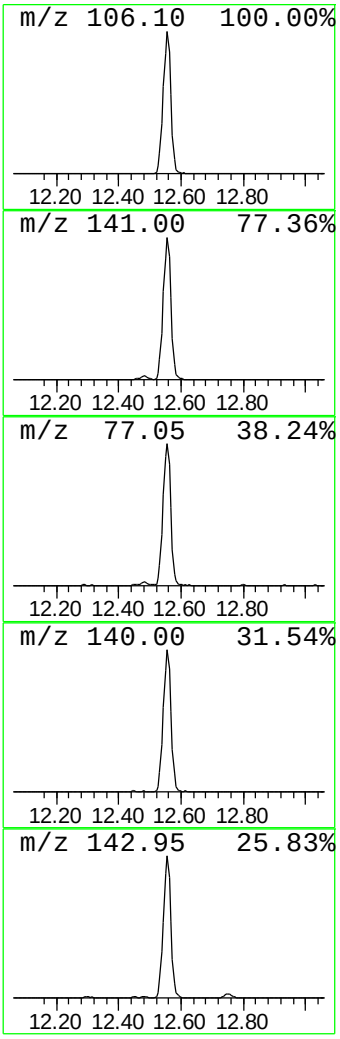
****

Peak Number 6 Benzenamine, 4-chloro-2-met... Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.56	23.25 ng	5377870	Naphthalene-d8	10.98

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzenamine, 4-chloro-2-methyl-	141	C7H8ClN	000095-69-2	97
2	Benzenamine, 3-chloro-2-methyl-	141	C7H8ClN	000087-60-5	97
3	2-Chloro-5-methylaniline	141	C7H8ClN	000095-81-8	97
4	Benzenamine, 5-chloro-2-methyl-	141	C7H8ClN	000095-79-4	95
5	Benzenamine, 2-chloro-4-methyl-	141	C7H8ClN	000615-65-6	87





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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

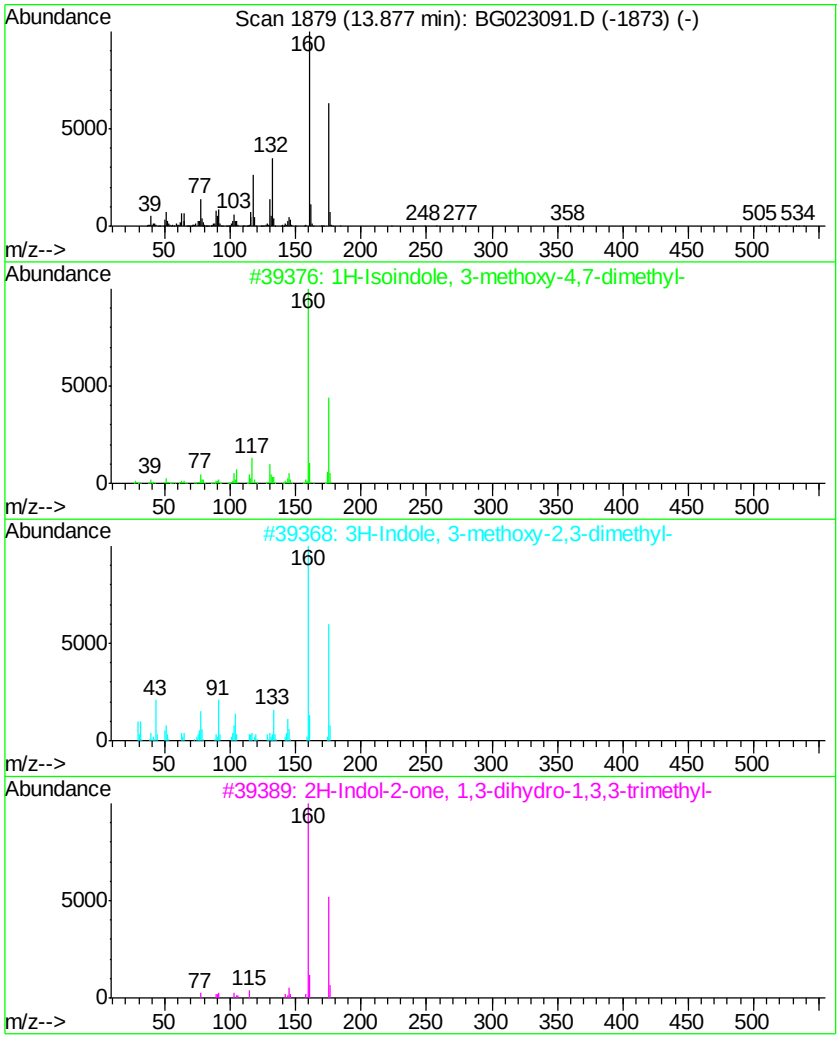
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

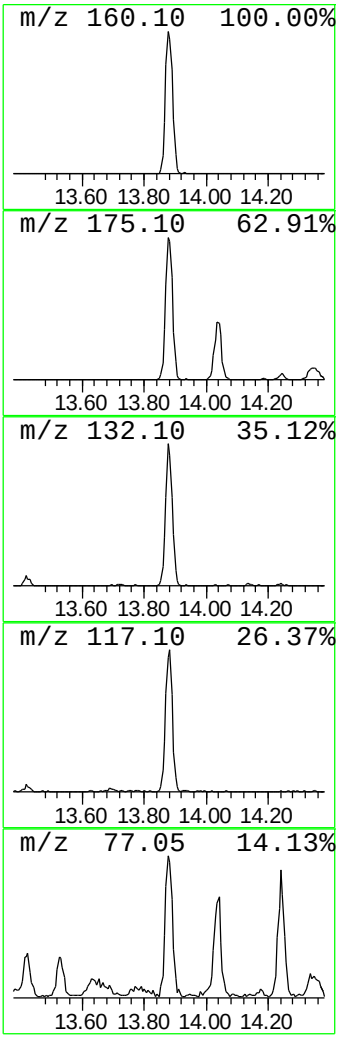
****

Peak Number 7 1H-Isoindole, 3-methoxy-4,7... Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.88	16.97 ng	1524510	Acenaphthene-d10	14.80

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1H-Isoindole, 3-methoxy-4,7-dime...	175	C11H13NO	100813-60-3	90
2	3H-Indole, 3-methoxy-2,3-dimethyl-	175	C11H13NO	037914-61-7	58
3	2H-Indol-2-one, 1,3-dihydro-1,3,...	175	C11H13NO	020200-86-6	58
4	1H-Isoindole-1,3(2H)-dione, N-et...	175	C10H9NO2	005022-29-7	53
5	Chromium, pentacarbonyl-(.eta.-1...	367	C16H13CrNO6	1000157-48-7	47





Tentatively Identified Compound (LSC) summary

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Data File : BG023091.D
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

					Internal Standard			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc
3-Penten-2-one, 4...	4.62	5.0	ng	1619200	1	8.15	6501300	20.0
2-Pentanone, 4-hy...	5.26	8.5	ng	2758320	1	8.15	6501300	20.0
unknown5.49	5.49	389.9	ng	126732000	1	8.15	6501300	20.0
Ethanone, 1-pheny...	9.57	18.7	ng	4327390	2	10.98	4625590	20.0
Benzenamine, 2-ch...	11.43	20.0	ng	4625590	2	10.98	4625590	20.0
Benzenamine, 4-ch...	12.56	23.3	ng	5377870	2	10.98	4625590	20.0
1H-Isoindole, 3-m...	13.88	17.0	ng	1524510	3	14.80	1796320	20.0