LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA G\DATA\BG122117\
Data File : BG031698.D
Acq On : 22 Dec 2017 6:46
Operator : SJ/JU
Sample : I6990-02
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : MH-CONCRETE

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-BG122117.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	3.448	20	27	38	rBV2	73665	154841	3.20%	0.781%
2	5.075	298	304	313	rBV2	50840	84184	1.74%	0.425%
3	5.739	409	417	425	rBV	128757	209708	4.34%	1.058%
4	6.244	495	503	512	rBV	622095	1071766	22.16%	5.407%
5	7.925	779	789	799	rBV	553821	1023765	21.16%	5.165%
6	8.336	850	859	869	rBV	708202	1292775	26.72%	6.522%
7	8.830	935	943	955	rVB	148191	275418	5.69%	1.389%
8	9.164	989	1000	1012	rVB	567523	1046668	21.64%	5.280%
9	10.022	1138	1146	1158	rVB	383573	728638	15.06%	3.676%
10	11.714	1426	1434	1439	rBV	214342	400274	8.27%	2.019%
11	11.767	1439	1443	1451	rVB	60584	111107	2.30%	0.561%
12	14.088	1831	1838	1850	rVB	1486530	2423992	50.11%	12.229%
13	15.457	2061	2071	2078	rBV3	376145	639792	13.23%	3.228%
14	16.932	2315	2322	2333	rBV	1387986	2194098	45.36%	11.069%
15	18.195	2530	2537	2542	rBV2	601753	936499	19.36%	4.725%
16	20.733	2962	2969	2977	rBV	3344073	4837328	100.00%	24.404%
17	22.555	3272	3279	3290	rVB2	647138	1194968	24.70%	6.029%
18	26.344	3912	3924	3935	rBV2	353569	1195956	24.72%	6.034%

Sum of corrected areas: 19821777

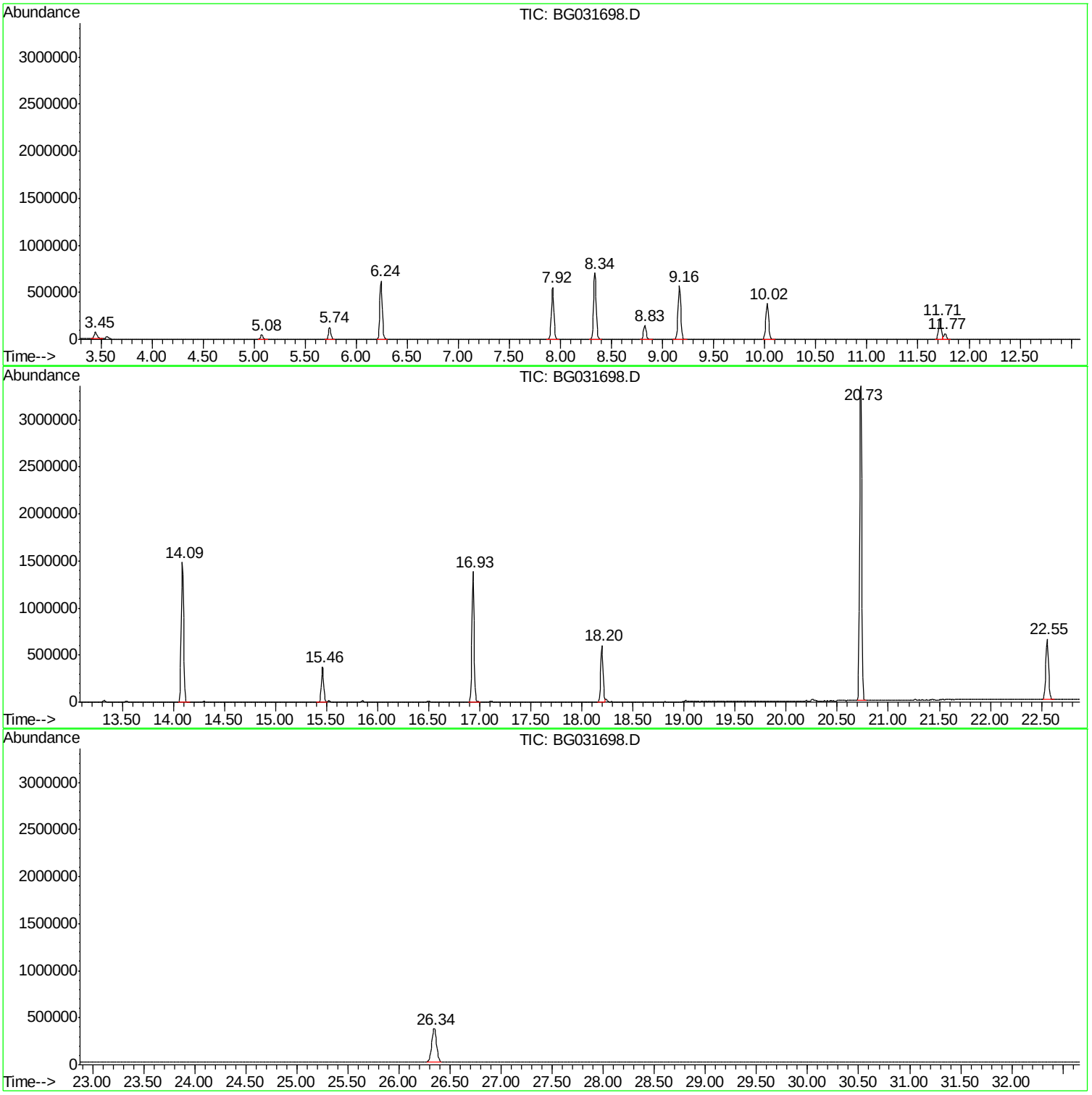
LSC Report - Integrated Chromatogram

Data Path : Z:\HPCHEM1\BNA G\DATA\BG122117\
Data File : BG031698.D
Acq On : 22 Dec 2017 6:46
Operator : SJ/JU
Sample : I6990-02
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
MH-CONCRETE

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\8270-BG122117.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\BG122117\
Data File : BG031698.D
Acq On : 22 Dec 2017 6:46
Operator : SJ/JU
Sample : I6990-02
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : MH-CONCRETE

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\8270-BG122117.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

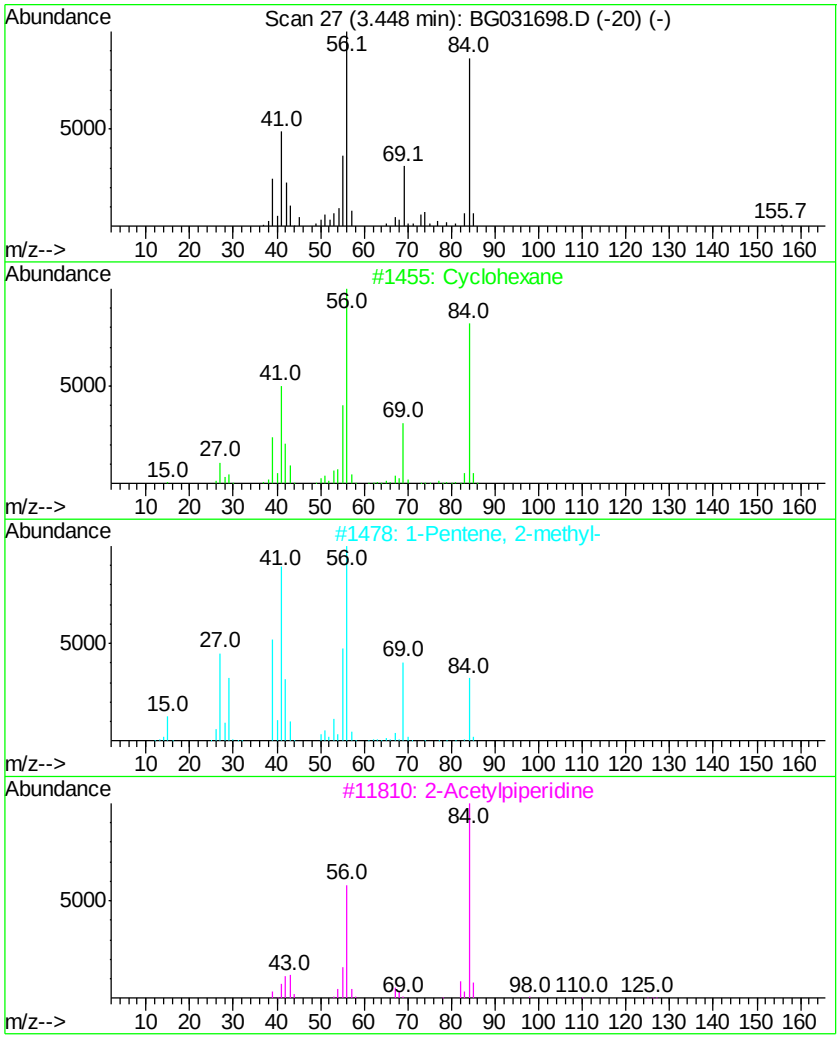
TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

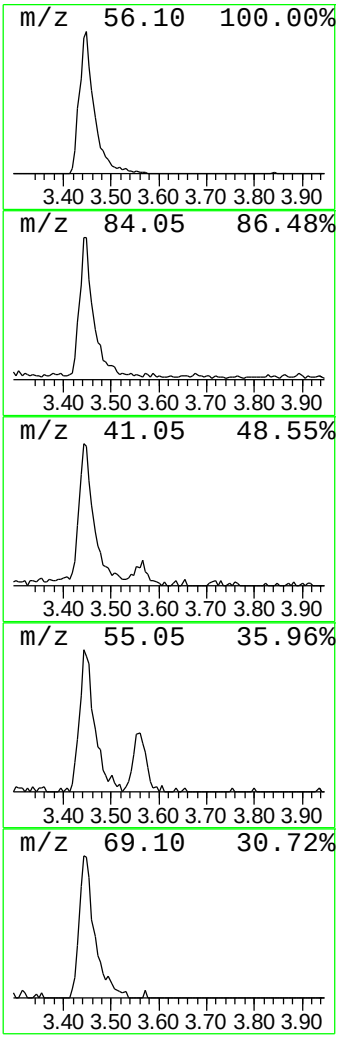
****

Peak Number 1 Cyclohexane Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.45	11.24 ng	154841	1,4-Dichlorobenzene-d4	8.82

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane	84	C6H12	000110-82-7	93
2	1-Pentene, 2-methyl-	84	C6H12	000763-29-1	72
3	2-Acetylpiperidine	127	C7H13NO	097073-22-8	64
4	Cyclopentane, methyl-	84	C6H12	000096-37-7	56
5	2-Amino-oxazole	84	C3H4N2O	004570-45-0	53





Data Path : Z:\HPCHEM1\BNA G\DATA\BG122117\
Data File : BG031698.D
Acq On : 22 Dec 2017 6:46
Operator : SJ/JU
Sample : I6990-02
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : MH-CONCRETE

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\8270-BG122117.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

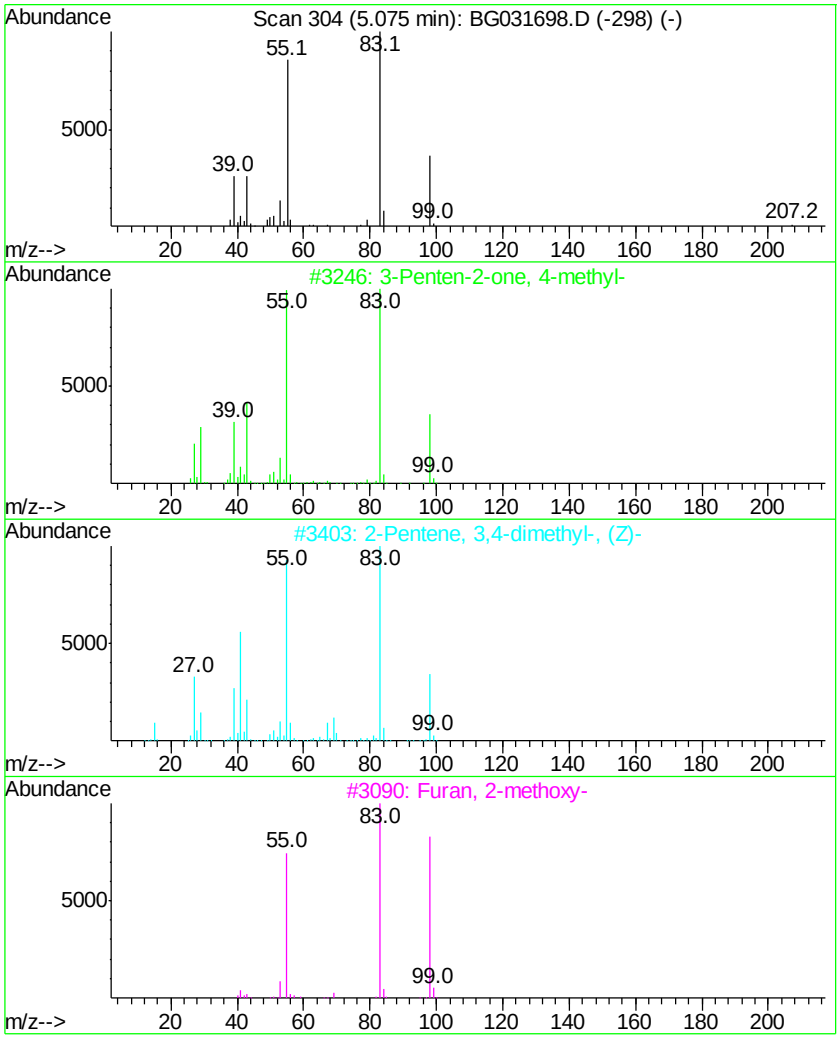
TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

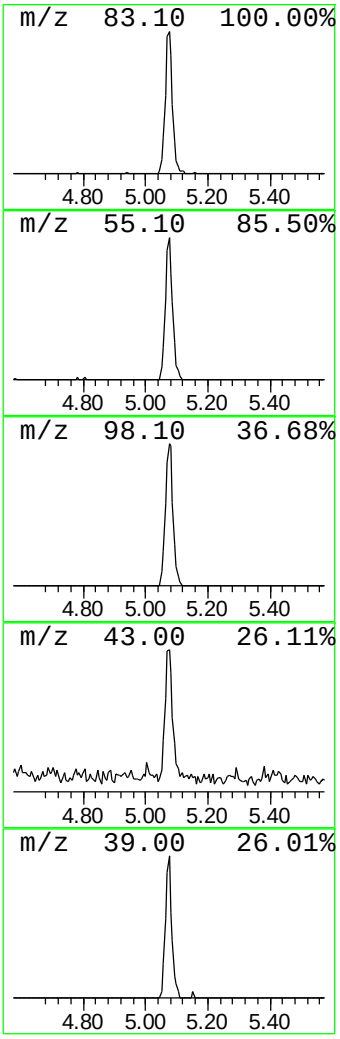
****

Peak Number 2 3-Penten-2-one, 4-methyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.08	6.11 ng	84184	1,4-Dichlorobenzene-d4	8.82

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-Penten-2-one, 4-methyl-	98	C6H10O	000141-79-7	80
2	2-Pentene, 3,4-dimethyl-, (Z)-	98	C7H14	004914-91-4	78
3	Furan, 2-methoxy-	98	C5H6O2	025414-22-6	78
4	3-Hexen-2-one	98	C6H10O	000763-93-9	78
5	2-Pentene, 3,4-dimethyl-, (E)-	98	C7H14	004914-92-5	78





Data Path : Z:\HPCHEM1\BNA G\DATA\BG122117\
Data File : BG031698.D
Acq On : 22 Dec 2017 6:46
Operator : SJ/JU
Sample : I6990-02
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : MH-CONCRETE

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\8270-BG122117.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

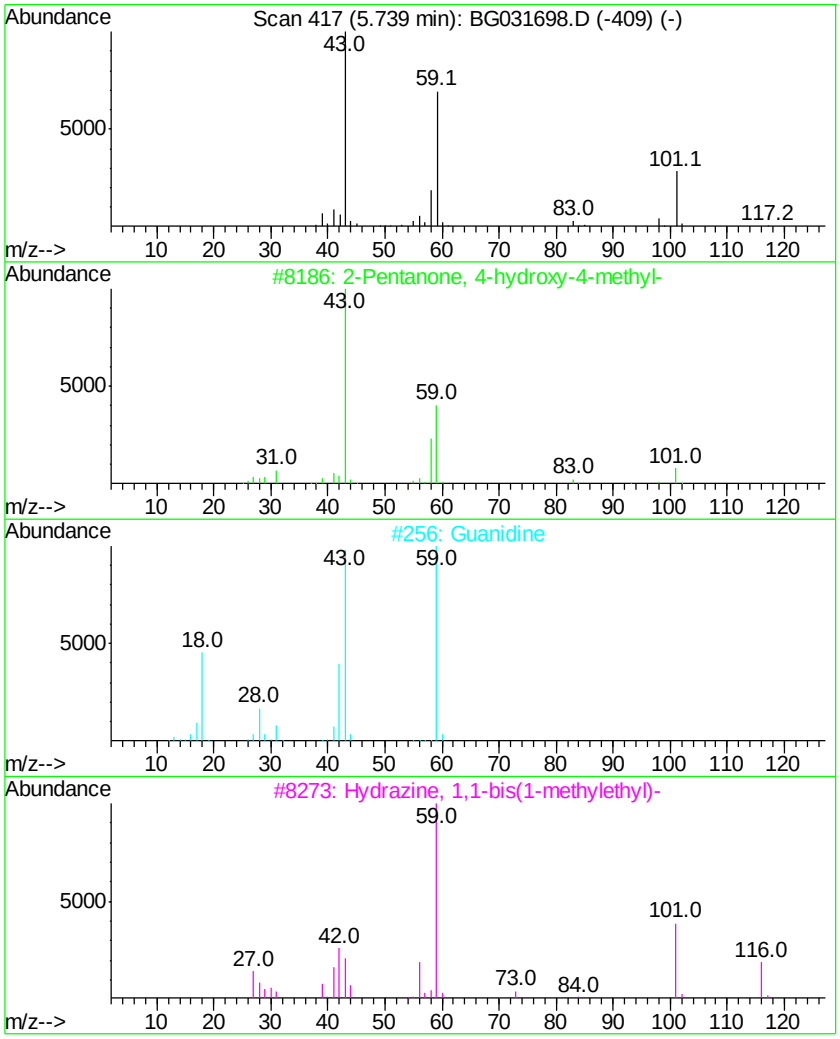
TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

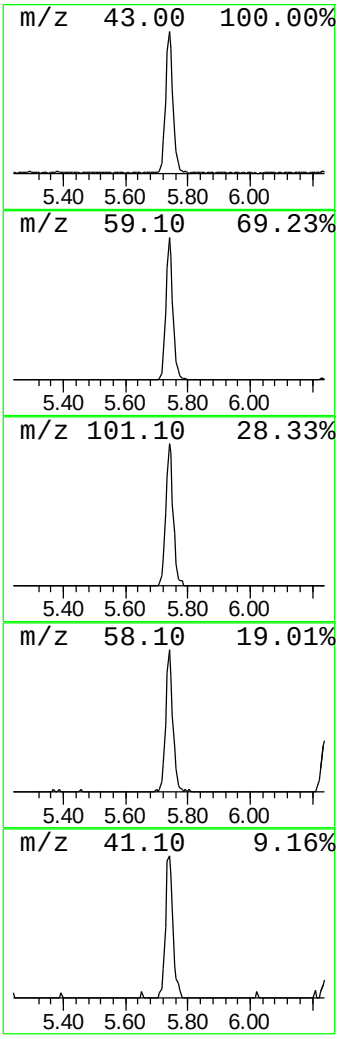
****

Peak Number 3 2-Pentanone, 4-hydroxy-4-me... Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.74	15.23 ng	209708	1,4-Dichlorobenzene-d4	8.82

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	56
2	Guanidine	59	CH5N3	000113-00-8	43
3	Hydrazine, 1,1-bis(1-methylethyl)-	116	C6H16N2	000921-14-2	40
4	Butyl aldoxime, 3-methyl-, syn-	101	C5H11NO	005780-40-5	25
5	Propane, 2-ethoxy-2-methyl-	102	C6H14O	000637-92-3	17





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA G\DATA\BG122117\
Data File : BG031698.D
Acq On : 22 Dec 2017 6:46
Operator : SJ/JU
Sample : I6990-02
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : MH-CONCRETE

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\8270-BG122117.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

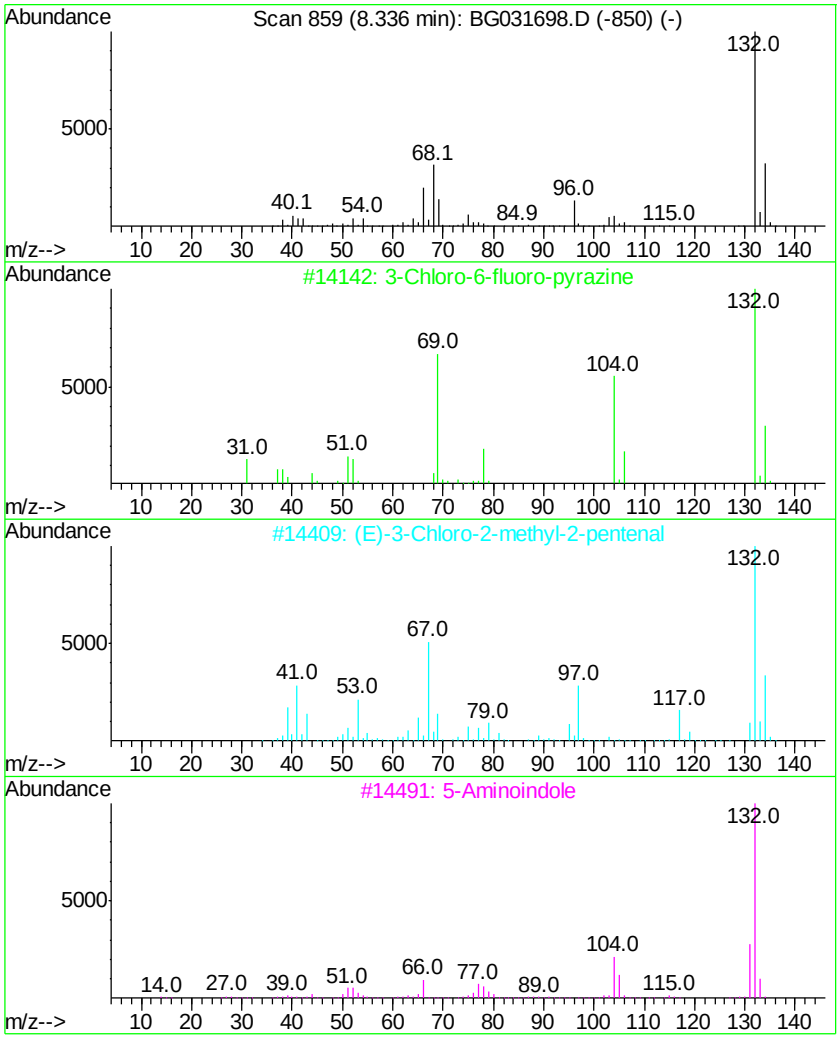
TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

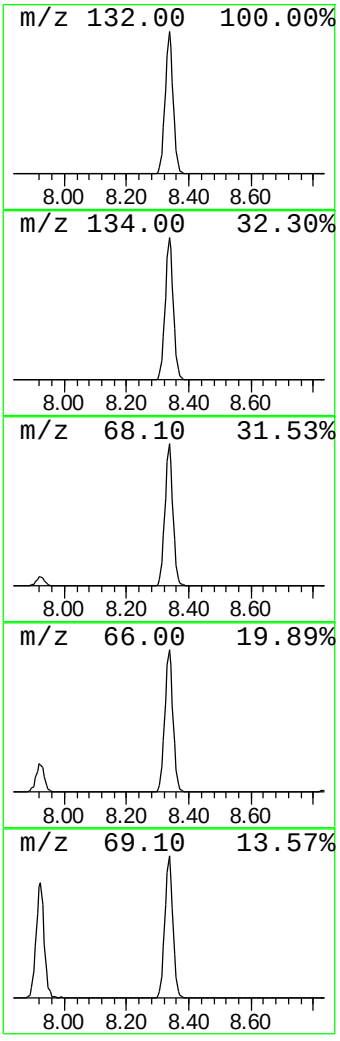
****

Peak Number 4 3-Chloro-6-fluoro-pyrazine Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.34	93.88 ng	1292780	1,4-Dichlorobenzene-d4	8.82

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-Chloro-6-fluoro-pyrazine	132	C4H2ClFN2	1000146-10-7	25
2	(E)-3-Chloro-2-methyl-2-pentenal	132	C6H9ClO	031357-76-3	25
3	5-Aminoindole	132	C8H8N2	005192-03-0	12
4	Tranylcypromine-propionyl	189	C12H15NO	1000123-86-3	12
5	4-Chloro-2-fluoro-pyrimidine	132	C4H2ClFN2	051422-00-5	9





Data Path : Z:\HPCHEM1\BNA G\DATA\BG122117\
Data File : BG031698.D
Acq On : 22 Dec 2017 6:46
Operator : SJ/JU
Sample : I6990-02
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : MH-CONCRETE

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\8270-BG122117.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

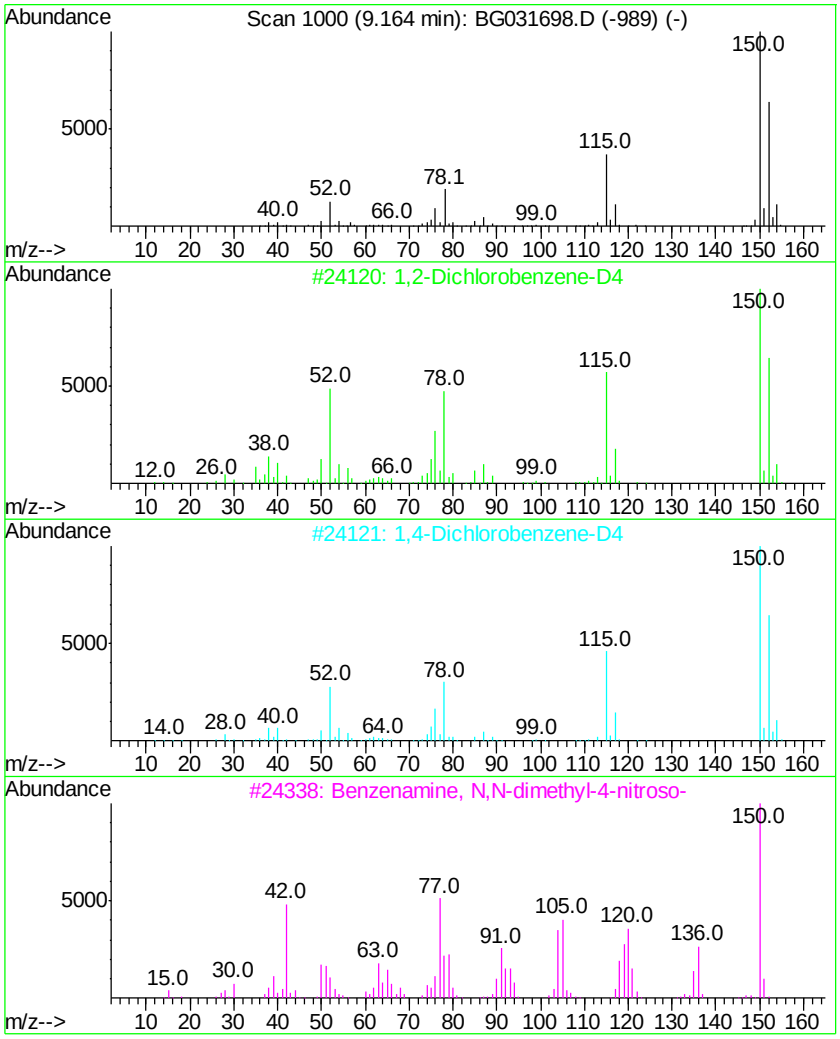
TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

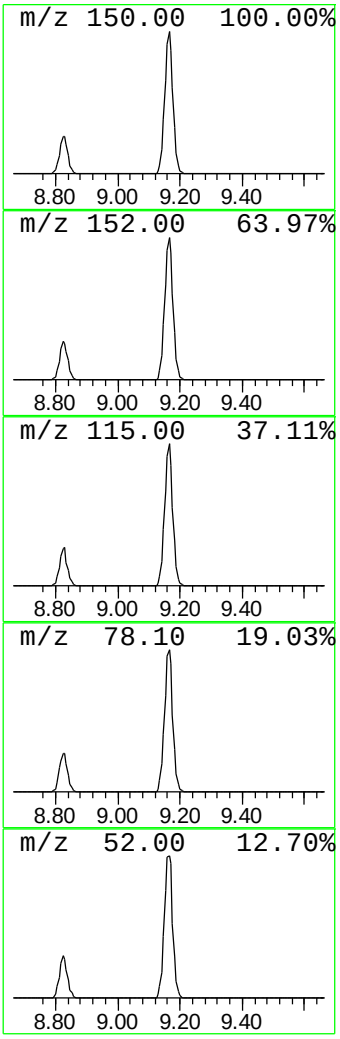
****

Peak Number 5 1,2-Dichlorobenzene-D4 Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.16	76.01 ng	1046670	1,4-Dichlorobenzene-d4	8.82

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,2-Dichlorobenzene-D4	150	C6D4Cl2	002199-69-1	94
2	1,4-Dichlorobenzene-D4	150	C6D4Cl2	003855-82-1	91
3	Benzenamine, N,N-dimethyl-4-nitr...	150	C8H10N2O	000138-89-6	37
4	2-Adamantanone	150	C10H14O	000700-58-3	25
5	4-Amino-3,5-diethylpyridine	150	C9H14N2	1000128-75-1	25





Tentatively Identified Compound (LSC) summary

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG122117\
Data File : BG031698.D
Acq On : 22 Dec 2017 6:46
Operator : SJ/JU
Sample : I6990-02
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : MH-CONCRETE

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\8270-BG122117.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
Cyclohexane	3.45	11.2	ng	154841	1	8.82	275418	20.0
3-Penten-2-one, 4...	5.08	6.1	ng	84184	1	8.82	275418	20.0
2-Pentanone, 4-hy...	5.74	15.2	ng	209708	1	8.82	275418	20.0
3-Chloro-6-fluoro...	8.34	93.9	ng	1292780	1	8.82	275418	20.0
1,2-Dichlorobenze...	9.16	76.0	ng	1046670	1	8.82	275418	20.0