LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA G\DATA\BG120815\
Data File : BG020013.D
Acq On : 8 Dec 2015 11:51
Operator : UM/SJ
Sample : G4676-23
Misc :
ALS Vial : 34 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : MW-18

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-BG120215.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	3.120	43	48	55	rBV2	12578	24002	1.21%	0.274%
2	5.188	393	400	408	rVB	27954	43620	2.20%	0.499%
3	5.658	473	480	488	rVB	185259	294445	14.88%	3.367%
4	6.105	550	556	562	rBV	48589	74634	3.77%	0.854%
5	7.256	745	752	761	rVB	132593	218674	11.05%	2.501%
6	7.638	809	817	826	rBV	336449	563053	28.45%	6.439%
7	7.756	830	837	847	rVB2	15851	30898	1.56%	0.353%
8	8.114	890	898	904	rBV	61102	101817	5.15%	1.164%
9	8.226	911	917	924	rBV2	24158	38562	1.95%	0.441%
10	8.437	946	953	959	rBV	286004	483590	24.44%	5.530%
11	8.490	959	962	967	rVB	16514	23880	1.21%	0.273%
12	8.655	982	990	998	rBV	57995	101232	5.12%	1.158%
13	9.277	1089	1096	1106	rVB	260208	460445	23.27%	5.266%
14	10.341	1268	1277	1285	rBV5	18379	45757	2.31%	0.523%
15	10.423	1285	1291	1295	rVV	34803	62518	3.16%	0.715%
16	10.464	1295	1298	1303	rVB	16417	24288	1.23%	0.278%
17	10.928	1368	1377	1383	rBV	90147	157055	7.94%	1.796%
18	11.099	1400	1406	1412	rBV	12504	21346	1.08%	0.244%
19	11.281	1429	1437	1444	rBV	53436	91574	4.63%	1.047%
20	12.092	1568	1575	1584	rVB2	11297	25678	1.30%	0.294%
21	12.791	1684	1694	1702	rBV	99117	176173	8.90%	2.015%
22	13.367	1785	1792	1804	rBV	785379	1178566	59.56%	13.478%
23	14.060	1898	1910	1915	rVB5	8952	19900	1.01%	0.228%
24	14.460	1973	1978	1984	rBV	48108	76185	3.85%	0.871%
25	14.742	2019	2026	2032	rBV2	155182	246248	12.44%	2.816%
26	14.800	2032	2036	2041	rVB	17127	23036	1.16%	0.263%
27	15.652	2175	2181	2186	rBV2	21363	34007	1.72%	0.389%
28	16.222	2267	2278	2288	rBV	653611	991784	50.12%	11.342%
29	17.479	2486	2492	2498	rBV	214671	320355	16.19%	3.664%
30	18.355	2635	2641	2647	rBV3	15623	23747	1.20%	0.272%
31	19.618	2851	2856	2861	rBV4	17566	24257	1.23%	0.277%
32	20.082	2929	2935	2941	rBV	1484793	1978842	100.00%	22.631%
33	21.751	3213	3219	3226	rVB	241825	403749	20.40%	4.617%
34	25.035	3767	3778	3787	rBV	127537	360166	18.20%	4.119%

LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA G\DATA\BG120815\
Data File : BG020013.D
Acq On : 8 Dec 2015 11:51
Operator : UM/SJ
Sample : G4676-23
Misc :
ALS Vial : 34 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : MW-18

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-BG120215.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Sum of corrected areas: 8744083

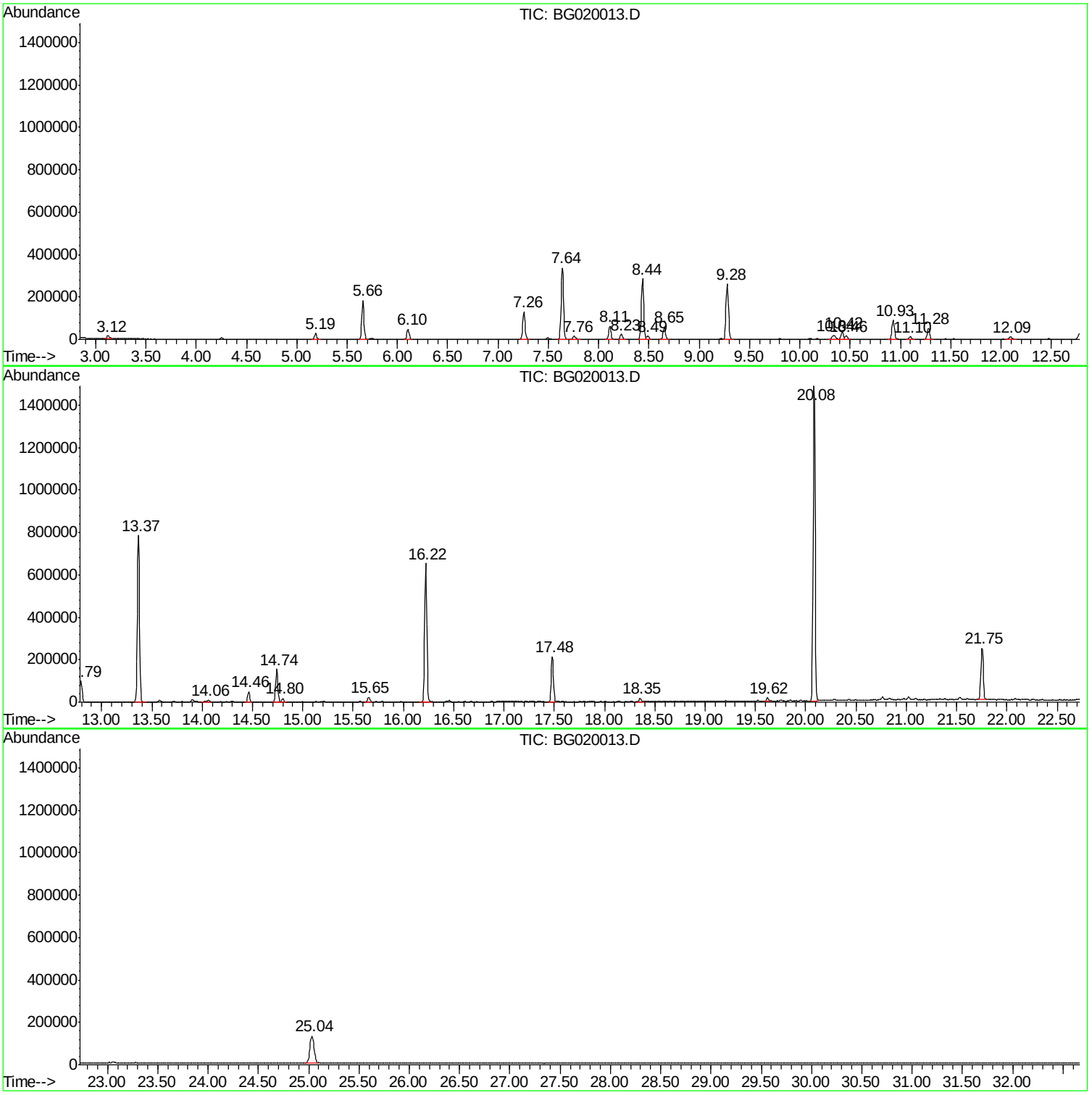
LSC Report - Integrated Chromatogram

Data Path : Z:\HPCHEM1\BNA G\DATA\BG120815\
Data File : BG020013.D
Acq On : 8 Dec 2015 11:51
Operator : UM/SJ
Sample : G4676-23
Misc :
ALS Vial : 34 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : MW-18

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\8270-BG120215.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\BG120815\
Data File : BG020013.D
Acq On : 8 Dec 2015 11:51
Operator : UM/SJ
Sample : G4676-23
Misc :
ALS Vial : 34 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : MW-18

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\8270-BG120215.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

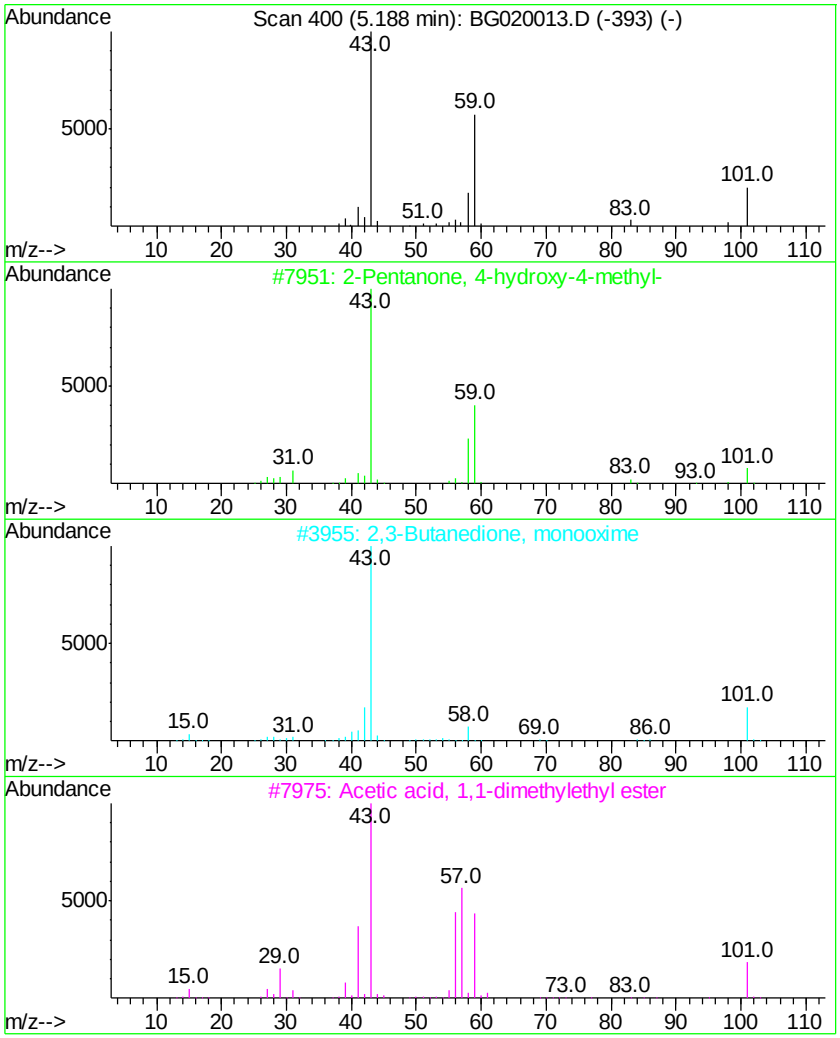
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

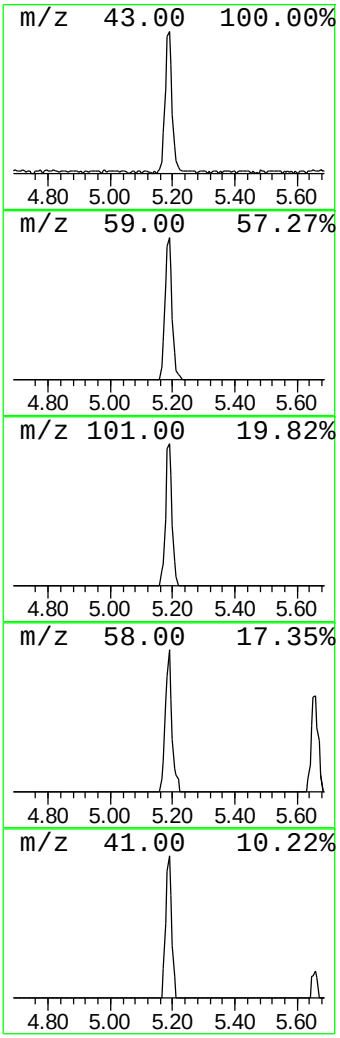
****

Peak Number 2 unknown5.19 Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.19	8.57 ng	43620	1,4-Dichlorobenzene-d4	8.11

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	42
2	2,3-Butanedione, monooxime	101	C4H7NO2	000057-71-6	9
3	Acetic acid, 1,1-dimethylethyl e...	116	C6H12O2	000540-88-5	9
4	1,8-Nonanediol, 8-methyl-	174	C10H22O2	054725-73-4	9
5	1-Propen-2-ol, acetate	100	C5H8O2	000108-22-5	9





Data Path : Z:\HPCHEM1\BNA G\DATA\BG120815\
Data File : BG020013.D
Acq On : 8 Dec 2015 11:51
Operator : UM/SJ
Sample : G4676-23
Misc :
ALS Vial : 34 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : MW-18

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\8270-BG120215.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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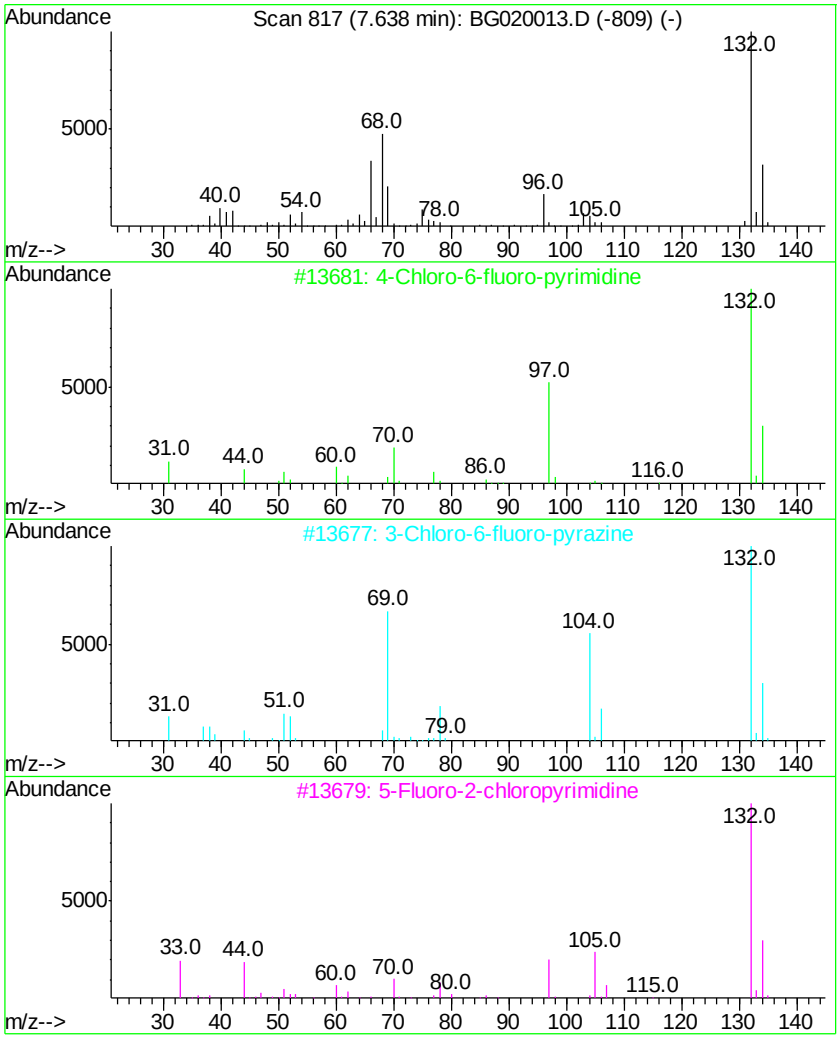
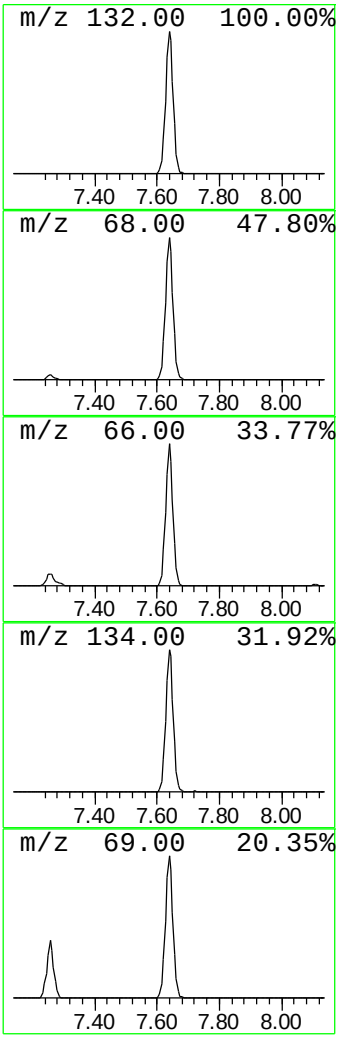
Peak Number 4 unknown7.64 Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.64	110.60 ng	563053	1,4-Dichlorobenzene-d4	8.11

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4-Chloro-6-fluoro-pyrimidine	132	C4H2ClFN2	051422-01-6	27
2	3-Chloro-6-fluoro-pyrazine	132	C4H2ClFN2	1000146-10-7	27
3	5-Fluoro-2-chloropyrimidine	132	C4H2ClFN2	062802-42-0	27
4	1H-Benzimidazole, 2-methyl-	132	C8H8N2	000615-15-6	22
5	(5-METHYL-2-PYRIDYL)ACETONITRILE	132	C8H8N2	1000241-93-9	10





Data Path : Z:\HPCHEM1\BNA G\DATA\BG120815\
Data File : BG020013.D
Acq On : 8 Dec 2015 11:51
Operator : UM/SJ
Sample : G4676-23
Misc :
ALS Vial : 34 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : MW-18

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\8270-BG120215.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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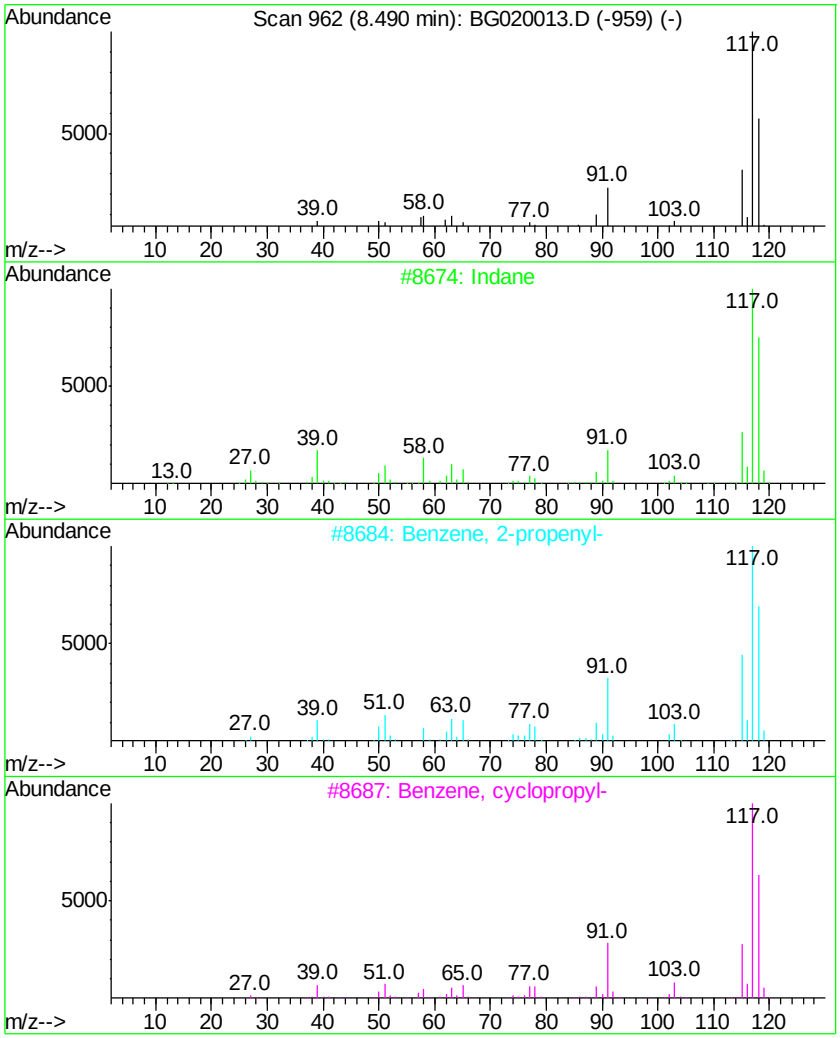
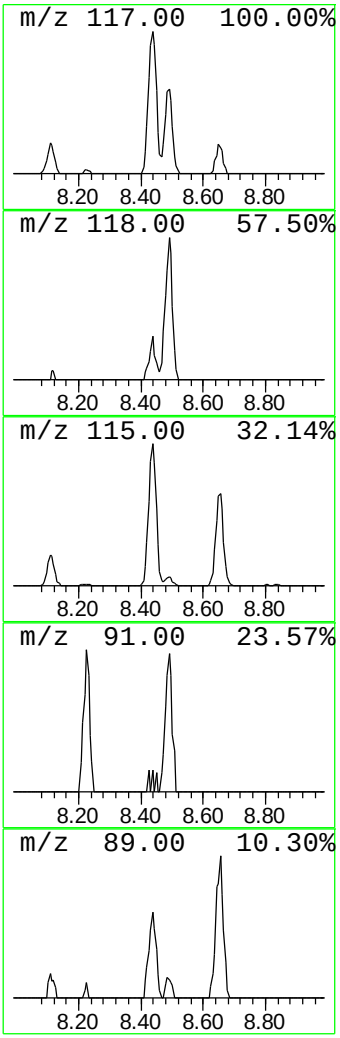
Peak Number 8 Indane Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.49	4.69 ng	23880	1,4-Dichlorobenzene-d4	8.11

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Indane	118	C9H10	000496-11-7	87
2	Benzene, 2-propenyl-	118	C9H10	000300-57-2	83
3	Benzene, cyclopropyl-	118	C9H10	000873-49-4	81
4	Benzene, 1-propenyl-	118	C9H10	000637-50-3	76
5	cis-.beta.-Methylstyrene	118	C9H10	000766-90-5	74





Data Path : Z:\HPCHEM1\BNA G\DATA\BG120815\
Data File : BG020013.D
Acq On : 8 Dec 2015 11:51
Operator : UM/SJ
Sample : G4676-23
Misc :
ALS Vial : 34 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : MW-18

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\8270-BG120215.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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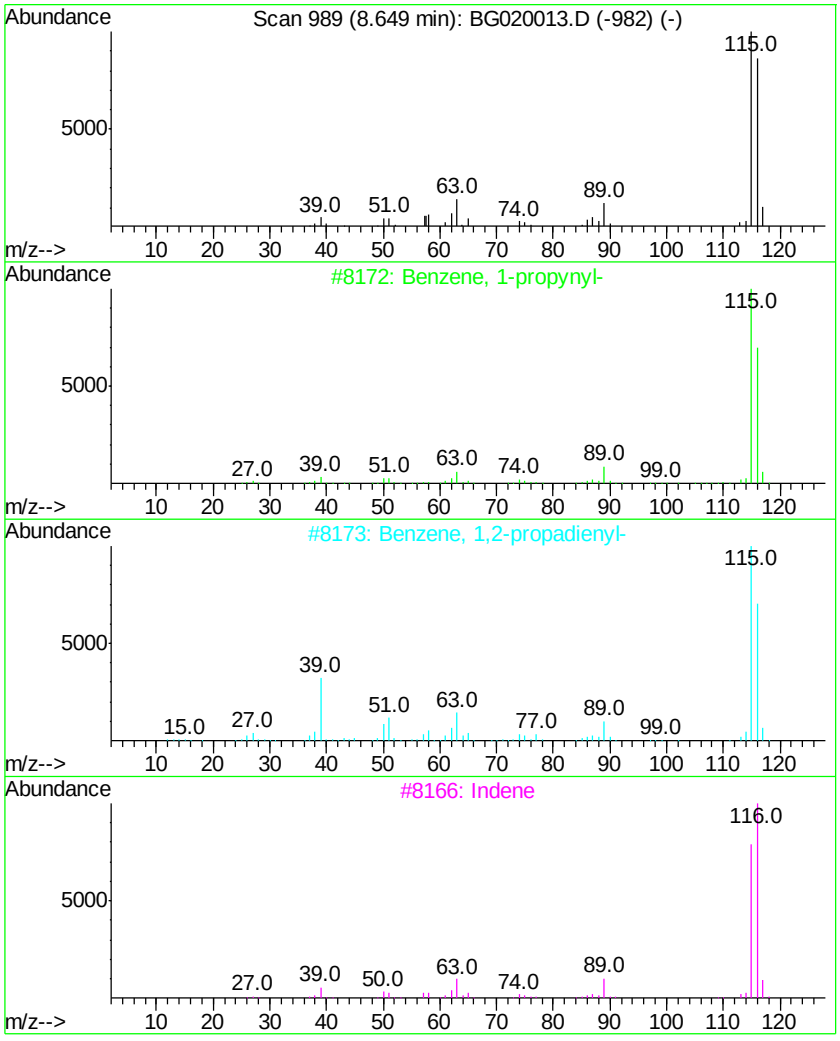
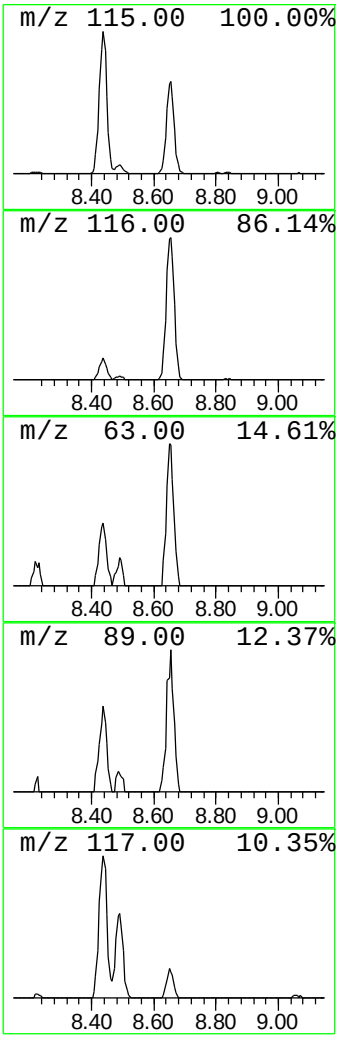
Peak Number 9 Benzene, 1-propynyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.65	19.89 ng	101232	1,4-Dichlorobenzene-d4	8.11

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-propynyl-	116	C9H8	000673-32-5	91
2	Benzene, 1,2-propadienyl-	116	C9H8	002327-99-3	91
3	Indene	116	C9H8	000095-13-6	91
4	Benzene,1-ethynyl-2-methyl-	116	C9H8	000766-47-2	91
5	Benzene, 1-ethynyl-4-methyl-	116	C9H8	000766-97-2	91





Data Path : Z:\HPCHEM1\BNA G\DATA\BG120815\
Data File : BG020013.D
Acq On : 8 Dec 2015 11:51
Operator : UM/SJ
Sample : G4676-23
Misc :
ALS Vial : 34 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : MW-18

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\8270-BG120215.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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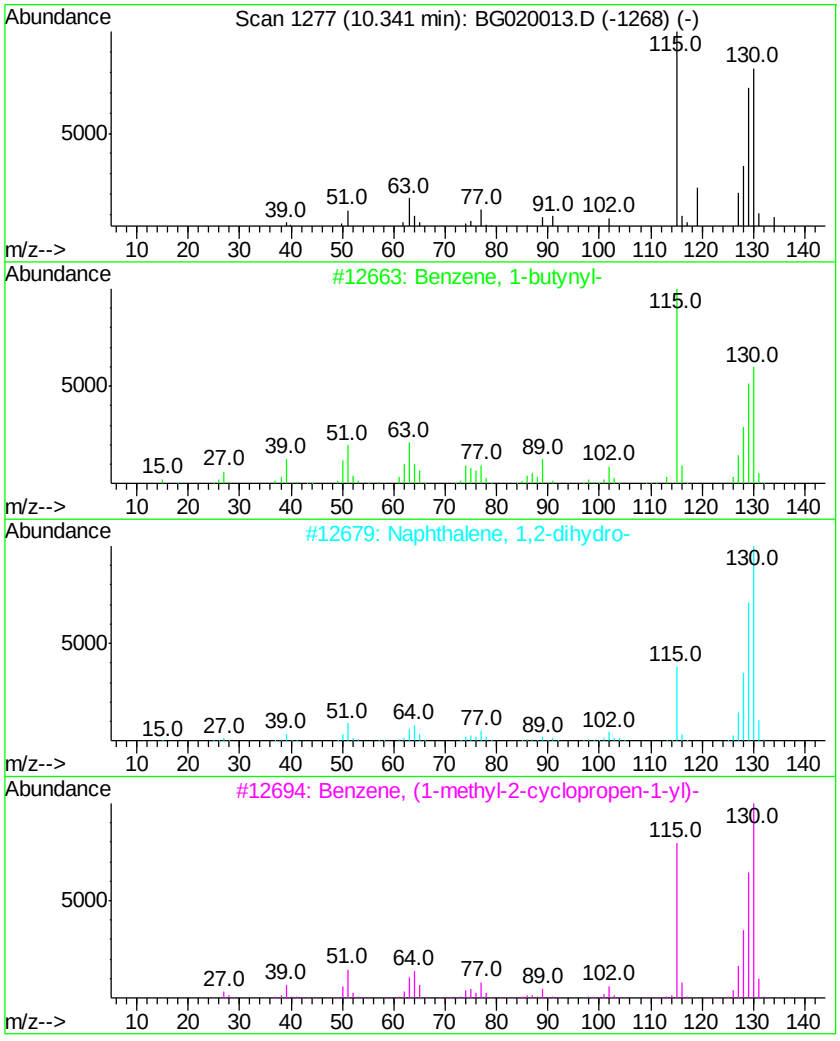
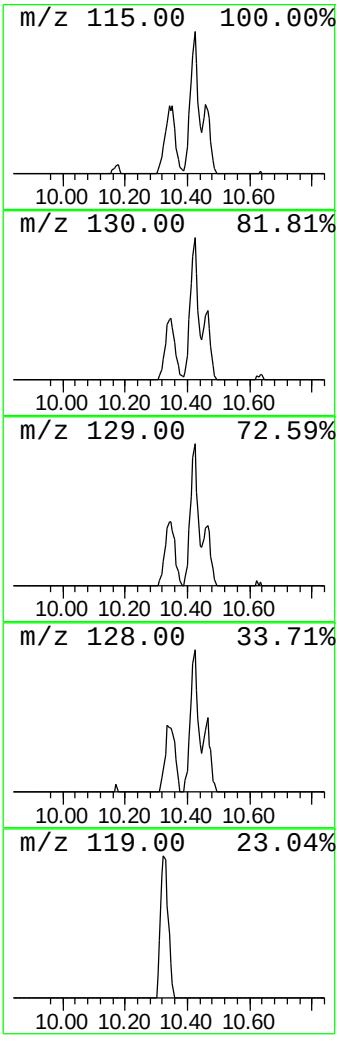
Peak Number 10 Benzene, 1-butynyl- Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.34	5.83 ng	45757	Naphthalene-d8	10.93

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-butynyl-	130	C10H10	000622-76-4	89
2	Naphthalene, 1,2-dihydro-	130	C10H10	000447-53-0	87
3	Benzene, (1-methyl-2-cyclopropen...	130	C10H10	065051-83-4	81
4	1H-Indene, 1-methyl-	130	C10H10	000767-59-9	81
5	2-Methylindene	130	C10H10	002177-47-1	81





Data Path : Z:\HPCHEM1\BNA G\DATA\BG120815\
Data File : BG020013.D
Acq On : 8 Dec 2015 11:51
Operator : UM/SJ
Sample : G4676-23
Misc :
ALS Vial : 34 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : MW-18

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\8270-BG120215.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

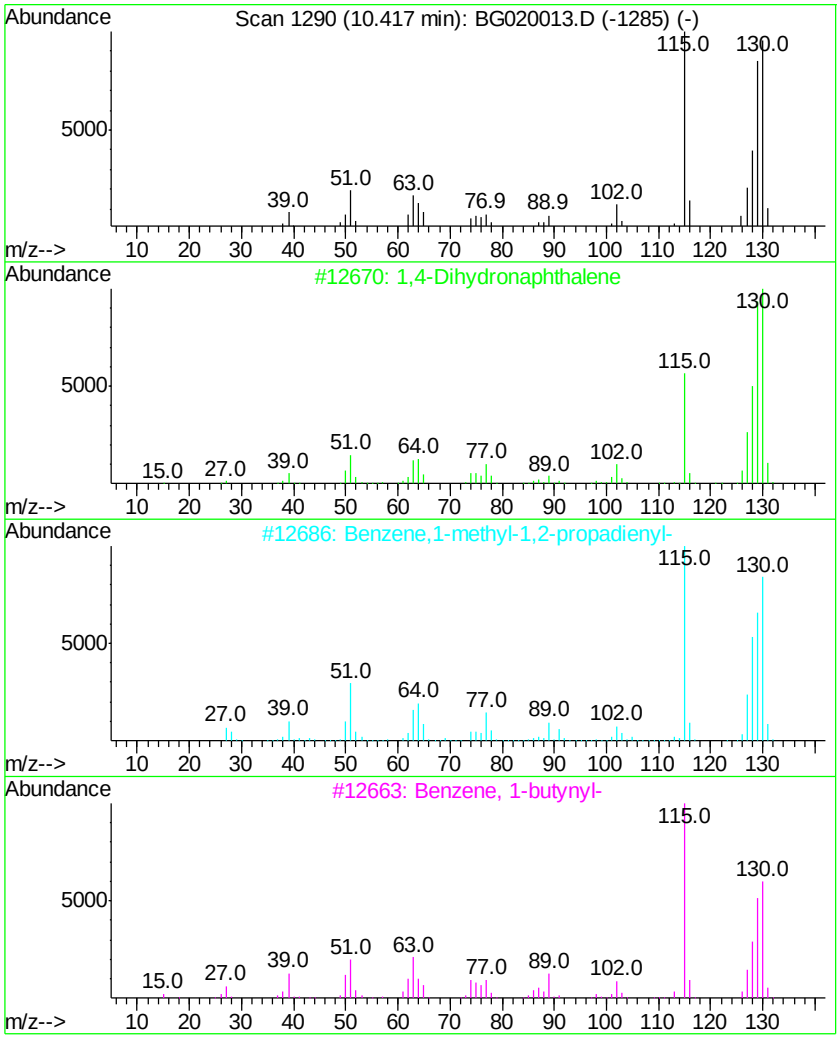
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

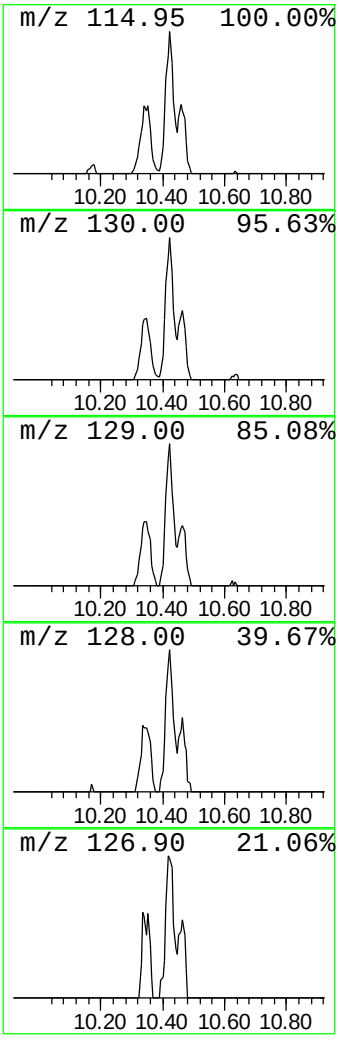
****

Peak Number 11 1,4-Dihydronaphthalene Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.42	7.96 ng	62518	Naphthalene-d8	10.93

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,4-Dihydronaphthalene	130	C10H10	000612-17-9	96
2	Benzene,1-methyl-1,2-propadienyl-	130	C10H10	022433-39-2	95
3	Benzene, 1-butynyl-	130	C10H10	000622-76-4	94
4	1H-Indene, 1-methyl-	130	C10H10	000767-59-9	93
5	2-Methylindene	130	C10H10	002177-47-1	93





Data Path : Z:\HPCHEM1\BNA G\DATA\BG120815\
Data File : BG020013.D
Acq On : 8 Dec 2015 11:51
Operator : UM/SJ
Sample : G4676-23
Misc :
ALS Vial : 34 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : MW-18

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\8270-BG120215.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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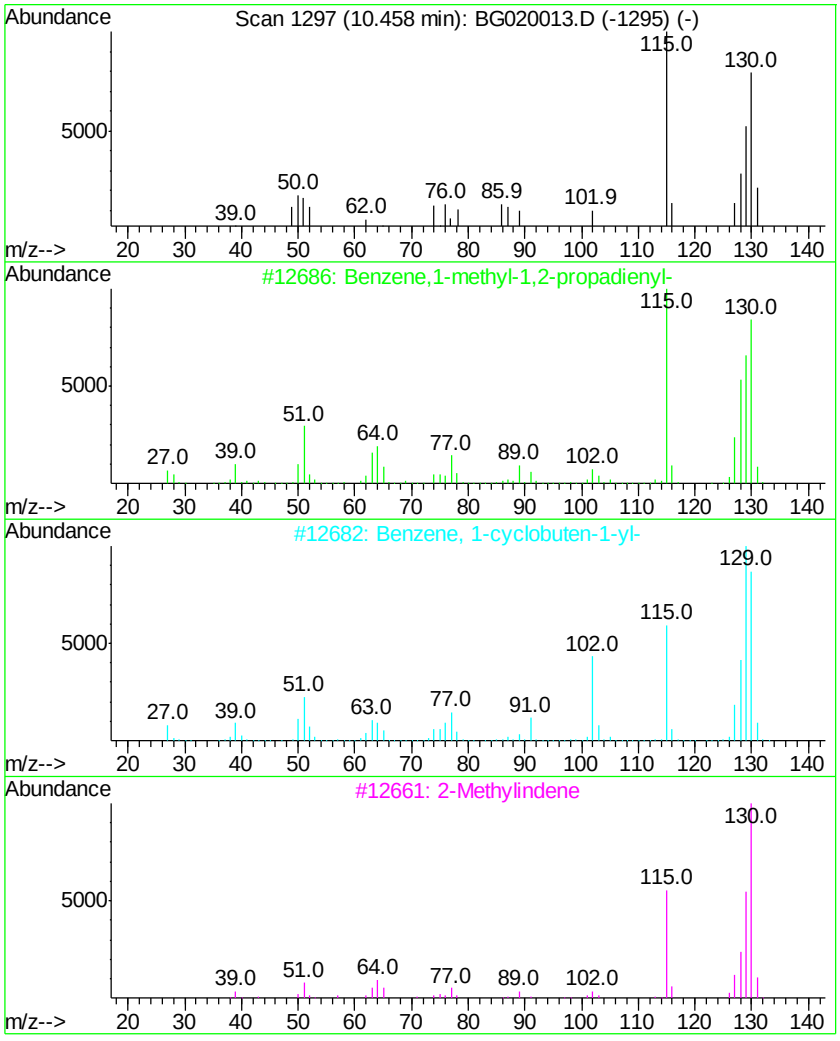
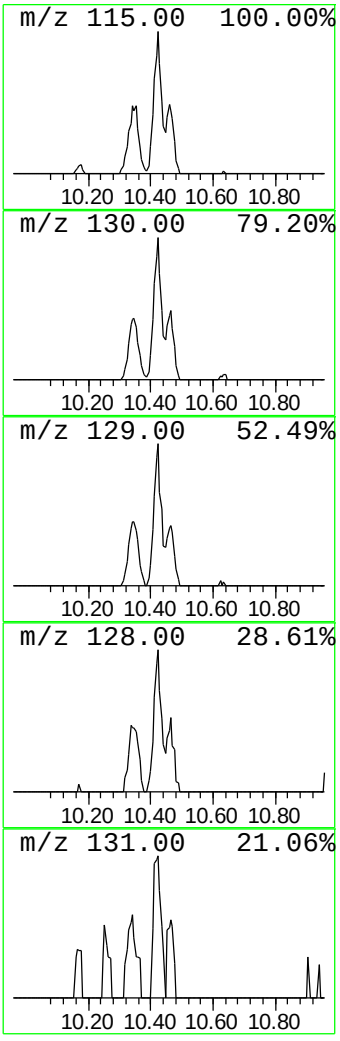
Peak Number 12 Benzene,1-methyl-1,2-propad... Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.46	3.09 ng	24288	Naphthalene-d8	10.93

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene,1-methyl-1,2-propadienyl-	130	C10H10	022433-39-2	70
2	Benzene, 1-cyclobuten-1-yl-	130	C10H10	003365-26-2	62
3	2-Methylindene	130	C10H10	002177-47-1	58
4	1H-Indene, 1-methyl-	130	C10H10	000767-59-9	58
5	1H-Indene, 3-methyl-	130	C10H10	000767-60-2	58





Data Path : Z:\HPCHEM1\BNA G\DATA\BG120815\
Data File : BG020013.D
Acq On : 8 Dec 2015 11:51
Operator : UM/SJ
Sample : G4676-23
Misc :
ALS Vial : 34 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : MW-18

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\8270-BG120215.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

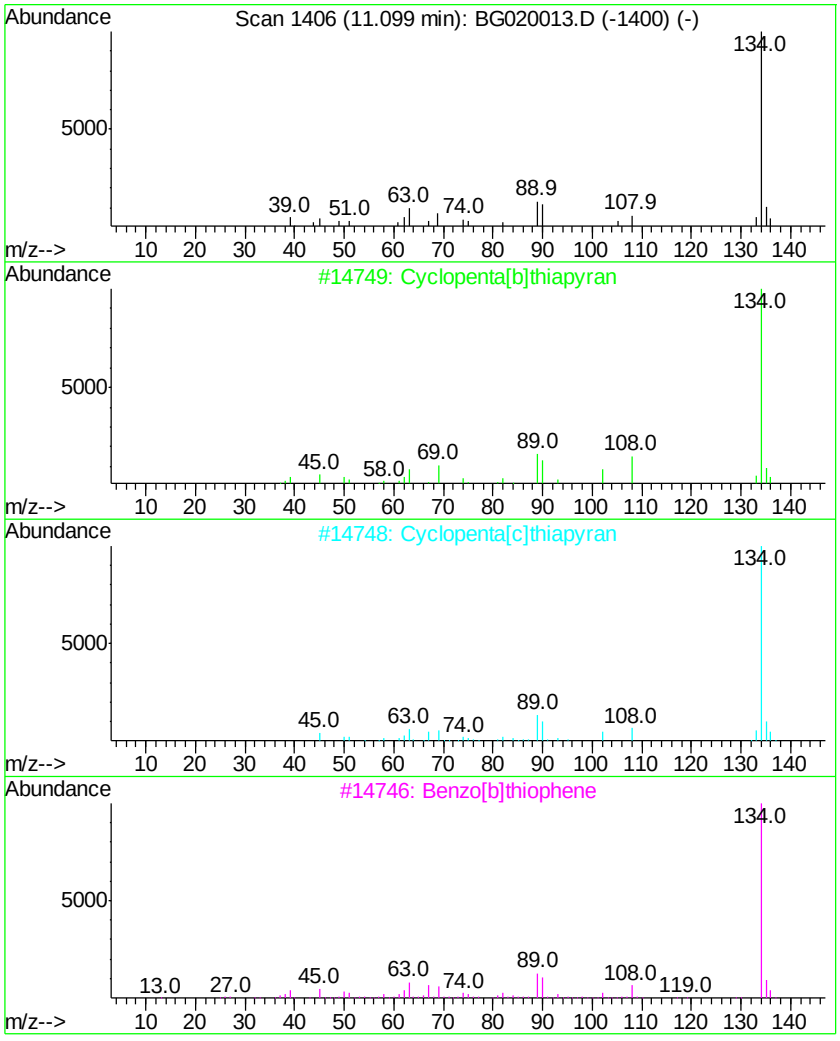
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

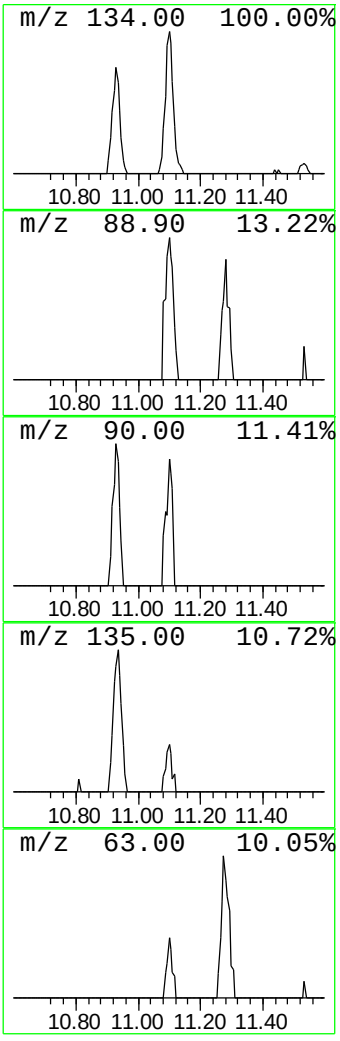
****

Peak Number 13 Cyclopenta[b]thiapyran Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.10	2.72 ng	21346	Naphthalene-d8	10.93

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopenta[b]thiapyran	134	C8H6S	000271-17-0	91
2	Cyclopenta[c]thiapyran	134	C8H6S	000270-63-3	91
3	Benzo[b]thiophene	134	C8H6S	000095-15-8	91
4	2-Benzothiophene #	134	C8H6S	000270-82-6	91
5	s-Triazolo[1,5-a]pyridine, 6-amino-	134	C6H6N4	031052-94-5	40





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA G\DATA\BG120815\
Data File : BG020013.D
Acq On : 8 Dec 2015 11:51
Operator : UM/SJ
Sample : G4676-23
Misc :
ALS Vial : 34 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : MW-18

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\8270-BG120215.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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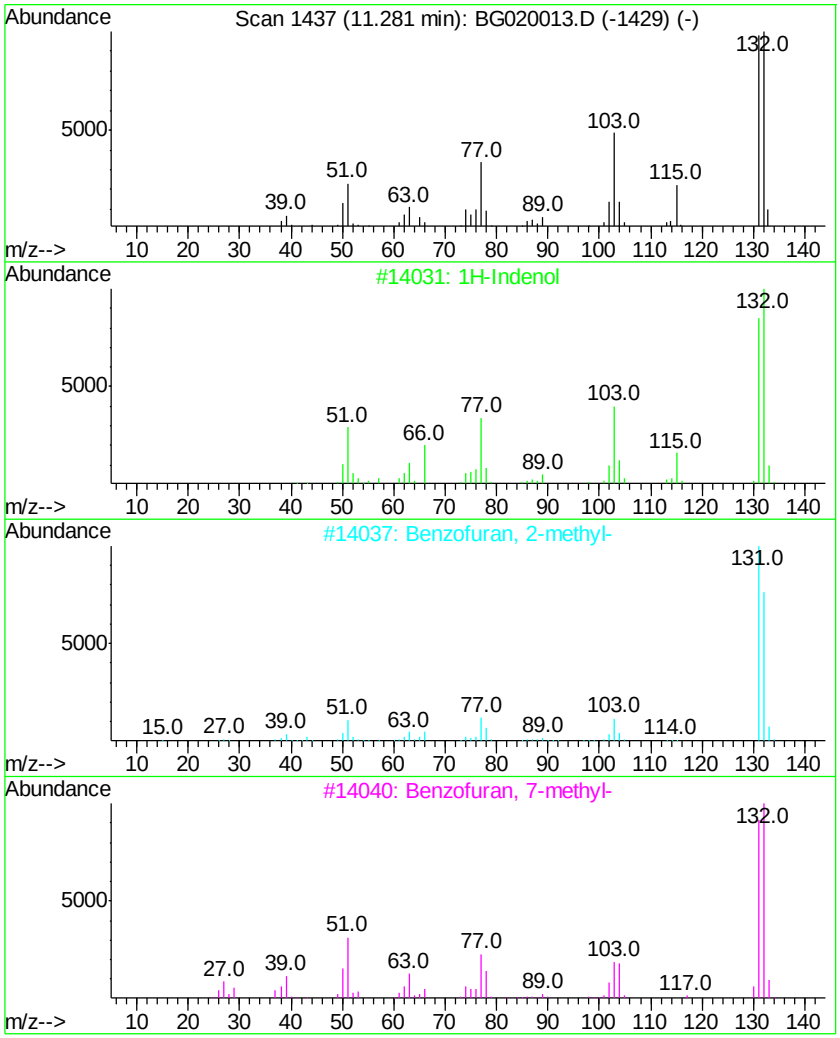
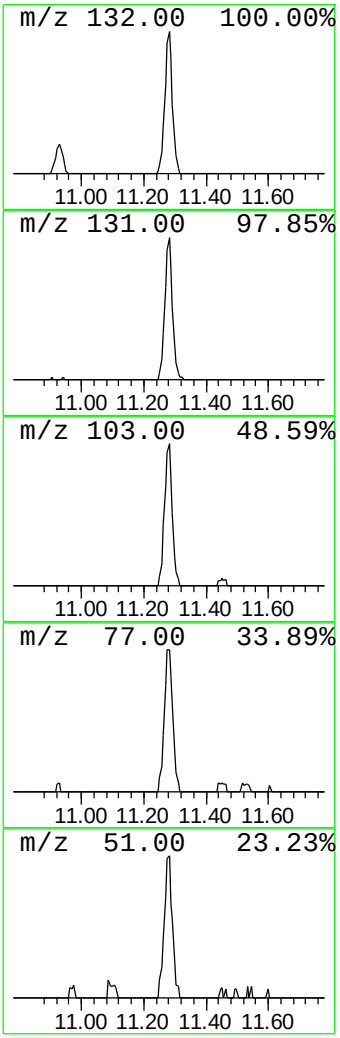
Peak Number 14 1H-Indenol Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.28	11.66 ng	91574	Naphthalene-d8	10.93

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1H-Indenol	132	C9H8O	056631-57-3	95
2	Benzofuran, 2-methyl-	132	C9H8O	004265-25-2	91
3	Benzofuran, 7-methyl-	132	C9H8O	017059-52-8	81
4	Cinnamaldehyde, (E)-	132	C9H8O	014371-10-9	80
5	2-Propenal, 3-phenyl-	132	C9H8O	000104-55-2	80





Data Path : Z:\HPCHEM1\BNA G\DATA\BG120815\
Data File : BG020013.D
Acq On : 8 Dec 2015 11:51
Operator : UM/SJ
Sample : G4676-23
Misc :
ALS Vial : 34 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : MW-18

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\8270-BG120215.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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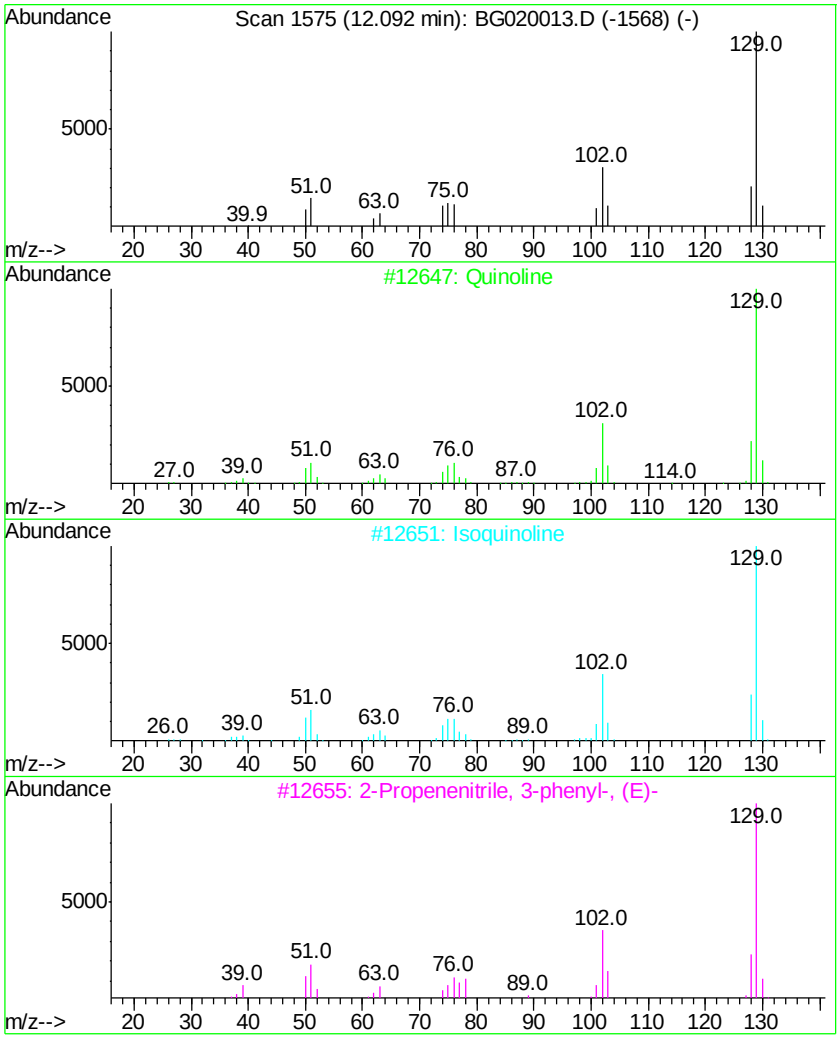
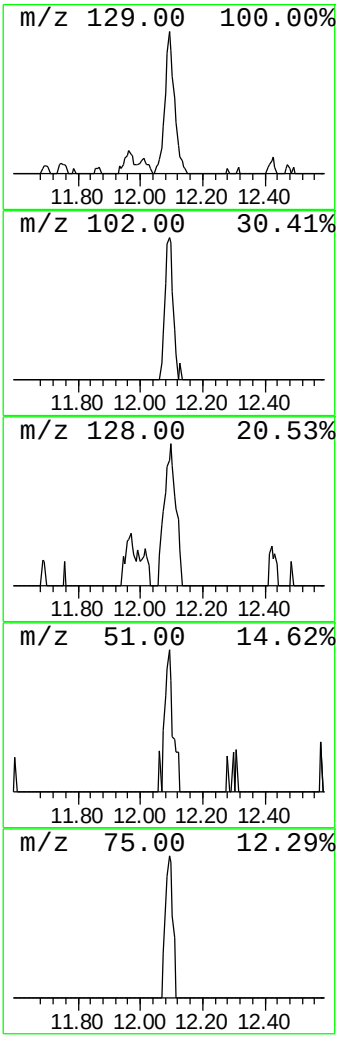
Peak Number 15 Quinoline Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.09	3.27 ng	25678	Naphthalene-d8	10.93

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Quinoline	129	C9H7N	000091-22-5	94
2	Isoquinoline	129	C9H7N	000119-65-3	94
3	2-Propenenitrile, 3-phenyl-, (E)-	129	C9H7N	001885-38-7	87
4	Benzeneacetonitrile, .alpha.-met...	129	C9H7N	000495-10-3	87
5	2,4-Dicyanopyridine	129	C7H3N3	029181-50-8	74





Data Path : Z:\HPCHEM1\BNA G\DATA\BG120815\
Data File : BG020013.D
Acq On : 8 Dec 2015 11:51
Operator : UM/SJ
Sample : G4676-23
Misc :
ALS Vial : 34 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : MW-18

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\8270-BG120215.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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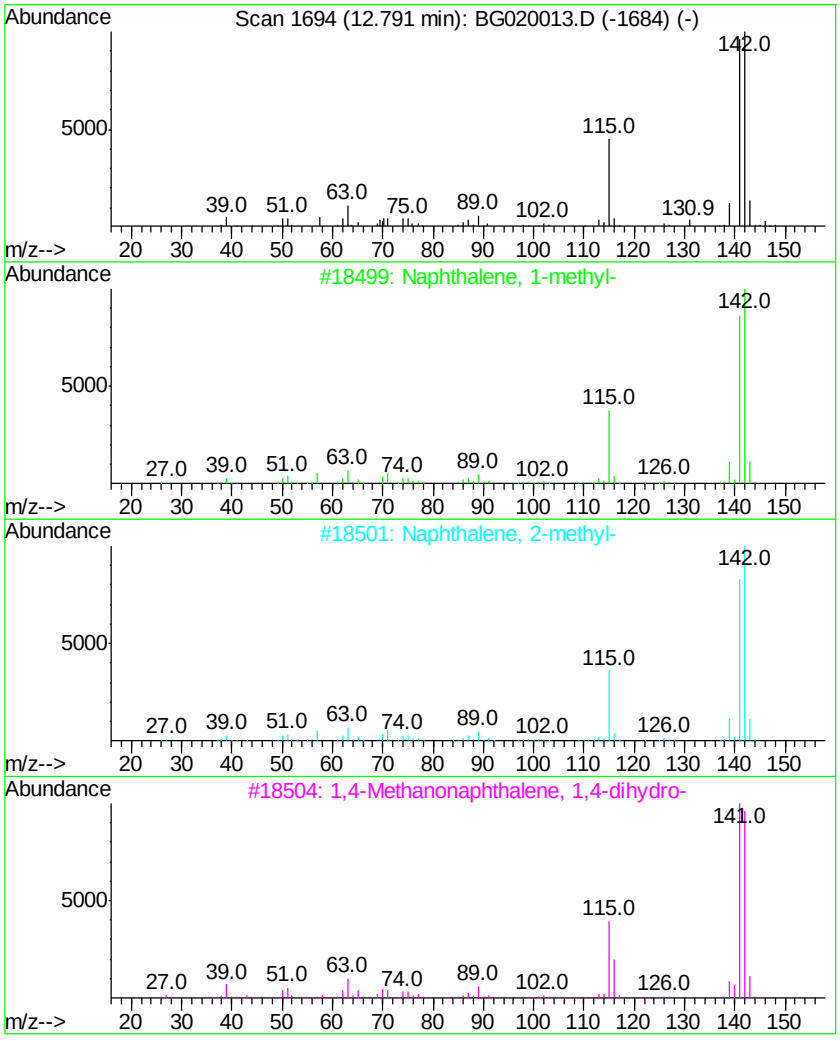
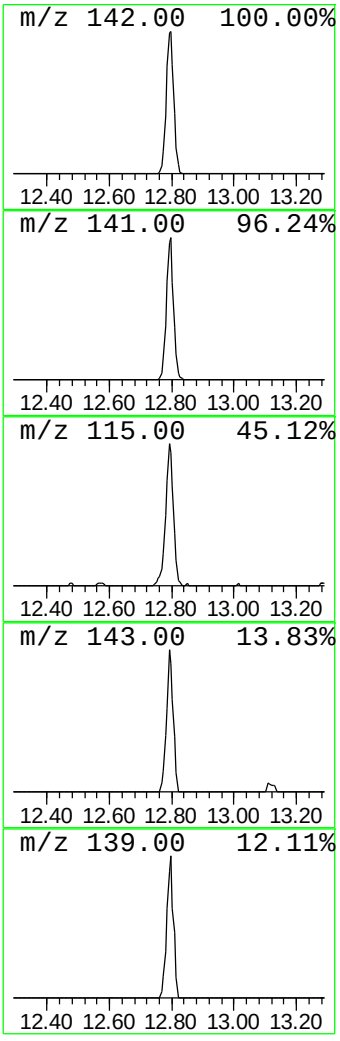
Peak Number 16 Naphthalene, 1-methyl- Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.79	22.43 ng	176173	Naphthalene-d8	10.93

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1-methyl-	142	C11H10	000090-12-0	97
2	Naphthalene, 2-methyl-	142	C11H10	000091-57-6	97
3	1,4-Methanonaphthalene, 1,4-dihy...	142	C11H10	004453-90-1	94
4	Benzocycloheptatriene	142	C11H10	000264-09-5	91
5	Bicyclo[4.4.1]undeca-1,3,5,7,9-p...	142	C11H10	002443-46-1	86





Data Path : Z:\HPCHEM1\BNA G\DATA\BG120815\
Data File : BG020013.D
Acq On : 8 Dec 2015 11:51
Operator : UM/SJ
Sample : G4676-23
Misc :
ALS Vial : 34 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : MW-18

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\8270-BG120215.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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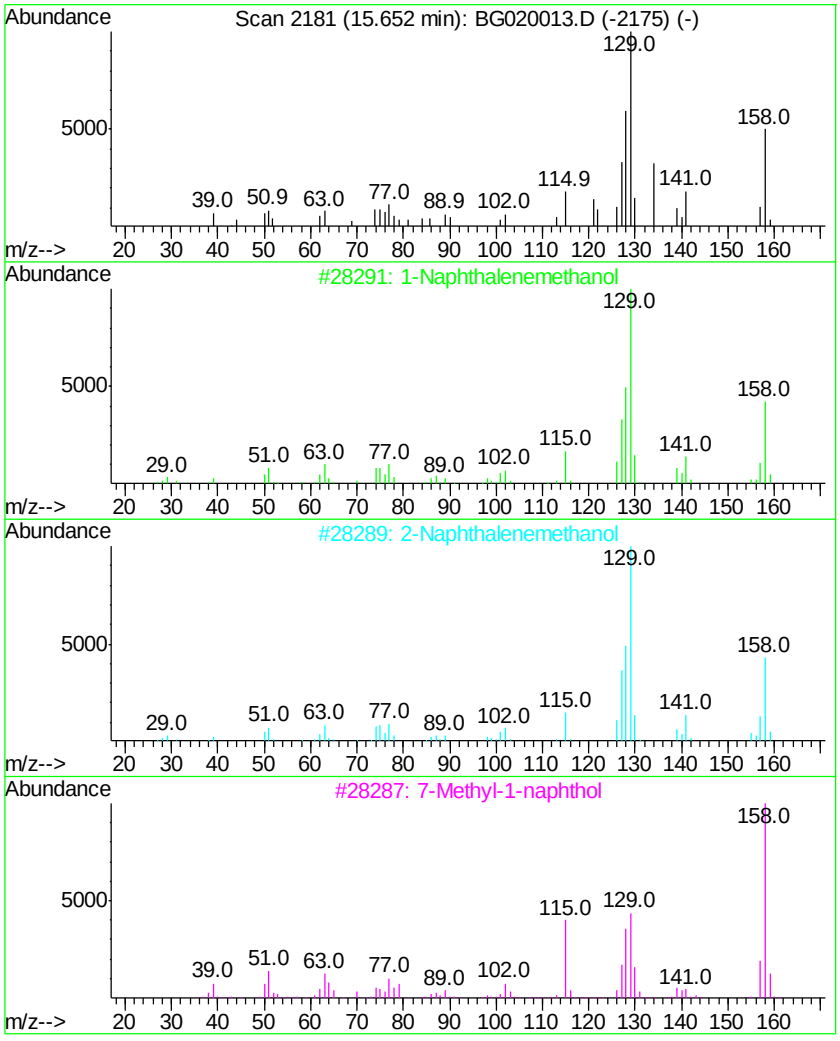
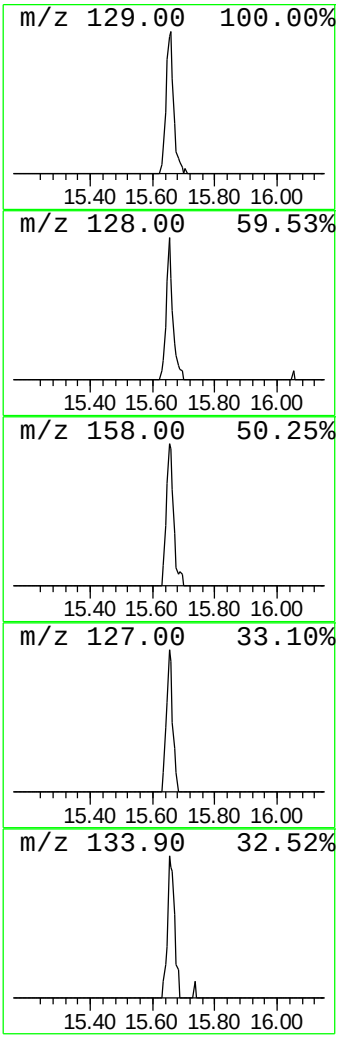
Peak Number 17 1-Naphthalenemethanol Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.65	2.76 ng	34007	Acenaphthene-d10	14.74

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Naphthalenemethanol	158	C11H10O	004780-79-4	93
2	2-Naphthalenemethanol	158	C11H10O	001592-38-7	91
3	7-Methyl-1-naphthol	158	C11H10O	006939-33-9	58
4	Benzene, 1,3-hexadienyl-	158	C12H14	041635-77-2	45
5	(1-Methylbuta-1,3-dienyl)benzene	144	C11H12	054758-36-0	43





Tentatively Identified Compound (LSC) summary

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG120815\
Data File : BG020013.D
Acq On : 8 Dec 2015 11:51
Operator : UM/SJ
Sample : G4676-23
Misc :
ALS Vial : 34 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : MW-18

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\8270-BG120215.M
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
unknown5.19	5.19	8.6	ng	43620	1	8.11	101817	20.0
unknown7.64	7.64	110.6	ng	563053	1	8.11	101817	20.0
Indane	8.49	4.7	ng	23880	1	8.11	101817	20.0
Benzene, 1-propynyl-	8.65	19.9	ng	101232	1	8.11	101817	20.0
Benzene, 1-butynyl-	10.34	5.8	ng	45757	2	10.93	157055	20.0
1,4-Dihydronaphth...	10.42	8.0	ng	62518	2	10.93	157055	20.0
Benzene,1-methyl-...	10.46	3.1	ng	24288	2	10.93	157055	20.0
Cyclopenta[b]thia...	11.10	2.7	ng	21346	2	10.93	157055	20.0
1H-Indenol	11.28	11.7	ng	91574	2	10.93	157055	20.0
Quinoline	12.09	3.3	ng	25678	2	10.93	157055	20.0
Naphthalene, 1-me...	12.79	22.4	ng	176173	2	10.93	157055	20.0
1-Naphthalenemeth...	15.65	2.8	ng	34007	3	14.74	246248	20.0