LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA G\DATA\BG120715\
Data File : BG019998.D
Acq On : 8 Dec 2015 2:03
Operator : UM/NP
Sample : G4676-10
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : MW-16

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	4.254	235	241	256	rVB	240132	381211	10.54%	3.250%
2	5.188	394	400	406	rVB	29897	44018	1.22%	0.375%
3	5.599	464	470	475	rBV	36502	57122	1.58%	0.487%
4	5.658	475	480	485	rVV	30445	47100	1.30%	0.402%
5	5.734	485	493	494	rVV	84760	130223	3.60%	1.110%
6	5.752	494	496	504	rVB	95428	121176	3.35%	1.033%
7	6.081	546	552	565	rVB2	197117	492389	13.61%	4.198%
8	7.256	746	752	758	rBV	38633	63429	1.75%	0.541%
9	7.638	811	817	824	rBV2	45815	75661	2.09%	0.645%
10	7.761	832	838	847	rVB2	83933	160097	4.43%	1.365%
11	8.114	892	898	906	rBV	64762	104613	2.89%	0.892%
12	8.437	946	953	959	rBV	171047	286571	7.92%	2.443%
13	8.654	982	990	1000	rVB	609088	1071501	29.62%	9.135%
14	9.277	1090	1096	1106	rVB	149968	260761	7.21%	2.223%
15	10.352	1269	1279	1285	rBV3	48482	111347	3.08%	0.949%
16	10.423	1285	1291	1296	rVV2	45848	94628	2.62%	0.807%
17	10.934	1370	1378	1380	rBV	84343	141209	3.90%	1.204%
18	10.993	1380	1388	1397	rVV	1899129	3616938	100.00%	30.835%
19	11.099	1400	1406	1413	rVB	35111	60129	1.66%	0.513%
20	12.091	1566	1575	1585	rVB	37080	70968	1.96%	0.605%
21	12.579	1651	1658	1664	rBV	183188	295649	8.17%	2.520%
22	12.797	1685	1695	1704	rBV	163328	271941	7.52%	2.318%
23	13.366	1785	1792	1799	rBV	443376	677982	18.74%	5.780%
24	13.578	1822	1828	1834	rBV	28811	41560	1.15%	0.354%
25	14.465	1971	1979	1988	rVB	90310	143323	3.96%	1.222%
26	14.741	2016	2026	2033	rBV2	158195	255166	7.05%	2.175%
27	16.222	2270	2278	2287	rBV	140516	212003	5.86%	1.807%
28	17.479	2486	2492	2497	rBV2	211495	325379	9.00%	2.774%
29	17.520	2497	2499	2505	rVB	35698	46313	1.28%	0.395%
30	20.082	2929	2935	2943	rBV	991447	1282286	35.45%	10.932%
31	21.757	3213	3220	3229	rBV	252222	417118	11.53%	3.556%
32	25.035	3767	3778	3792	rBV3	128556	370196	10.24%	3.156%

LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA G\DATA\BG120715\
Data File : BG019998.D
Acq On : 8 Dec 2015 2:03
Operator : UM/NP
Sample : G4676-10
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : MW-16

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

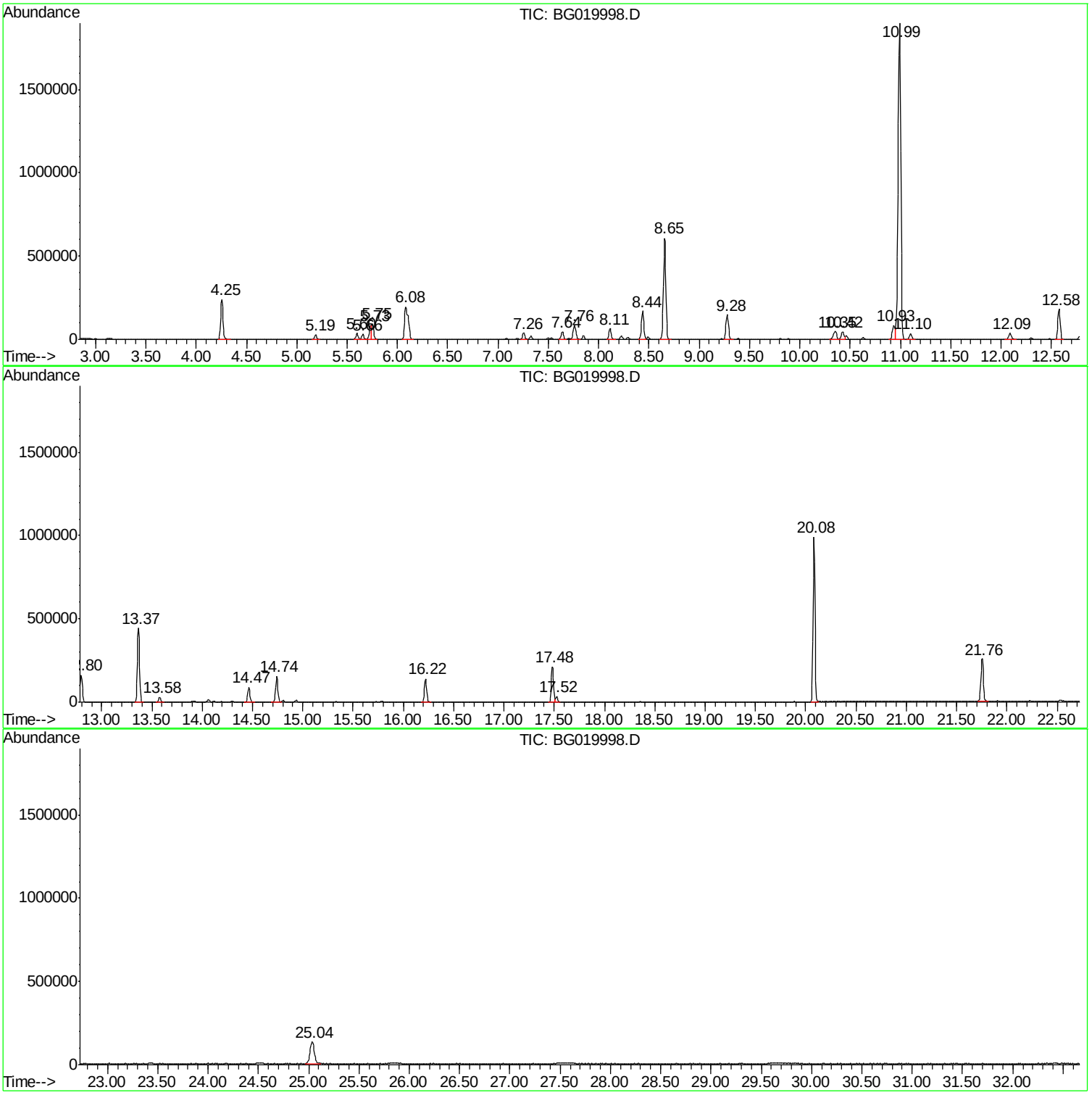
Sum of corrected areas: 11730007

Data Path : Z:\HPCHEM1\BNA G\DATA\BG120715\
Data File : BG019998.D
Acq On : 8 Dec 2015 2:03
Operator : UM/NP
Sample : G4676-10
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
MW-16

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



Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA G\DATA\BG120715\
Data File : BG019998.D
Acq On : 8 Dec 2015 2:03
Operator : UM/NP
Sample : G4676-10
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : MW-16

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

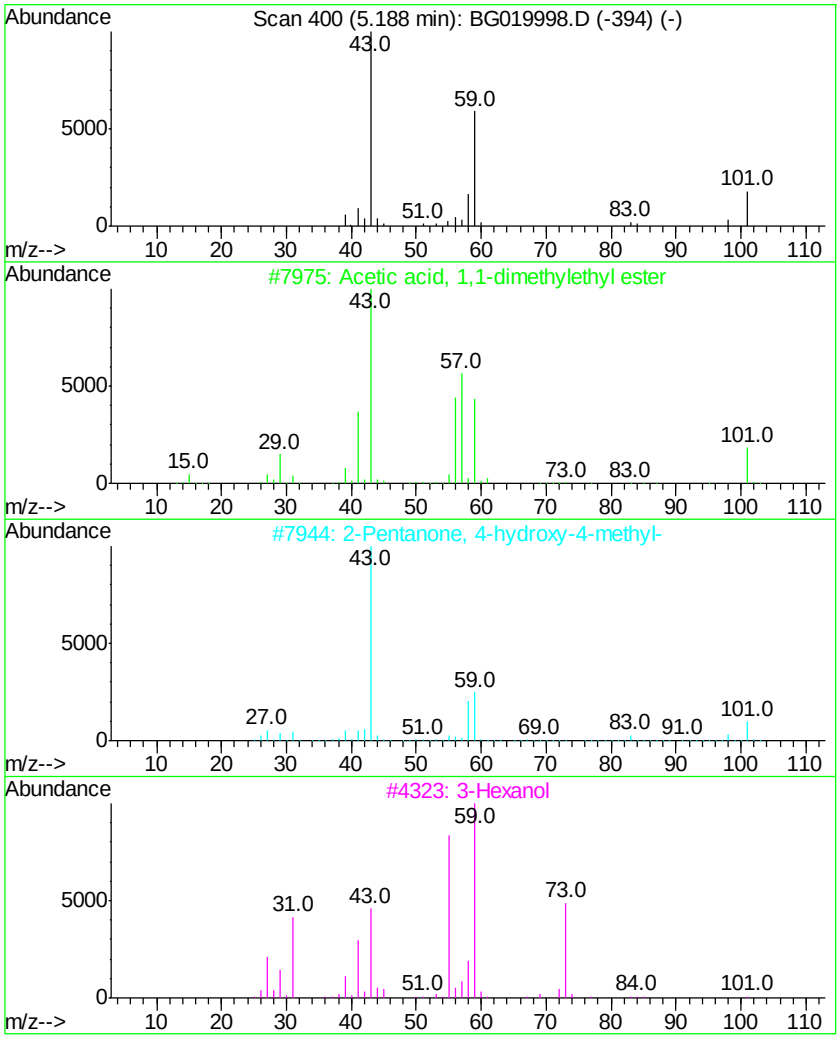
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

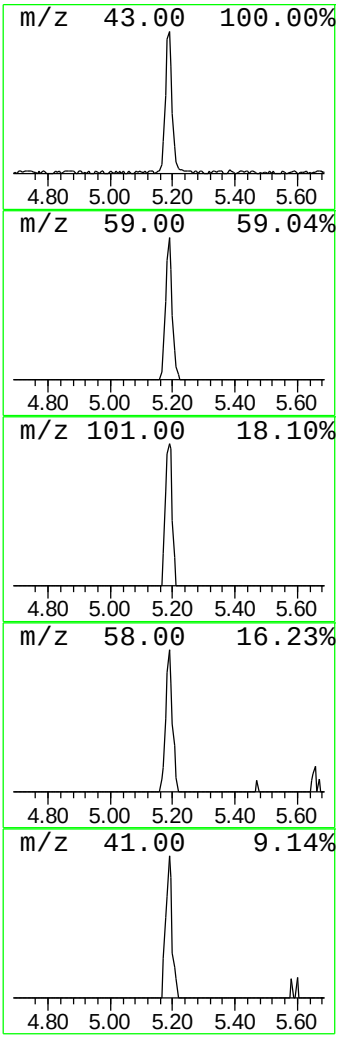
****

Peak Number 2 Acetic acid, 1,1-dimethylet... Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.19	8.42 ng	44018	1,4-Dichlorobenzene-d4	8.11

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Acetic acid, 1,1-dimethylethyl e...	116	C6H12O2	000540-88-5	50
2	2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	45
3	3-Hexanol	102	C6H14O	000623-37-0	36
4	Propane, 2-methyl-2-(1-methyleth...	116	C7H16O	017348-59-3	33
5	Butyl aldoxime, 3-methyl-, syn-	101	C5H11NO	005780-40-5	32





Data Path : Z:\HPCHEM1\BNA G\DATA\BG120715\
Data File : BG019998.D
Acq On : 8 Dec 2015 2:03
Operator : UM/NP
Sample : G4676-10
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : MW-16

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

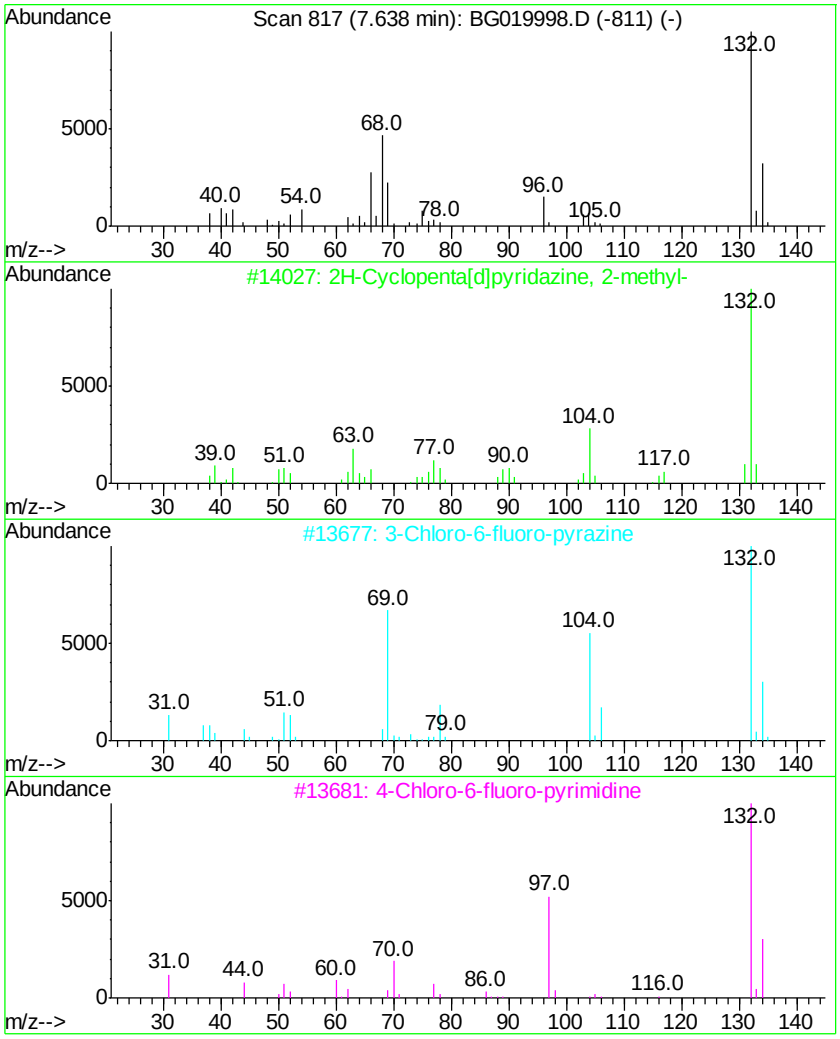
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

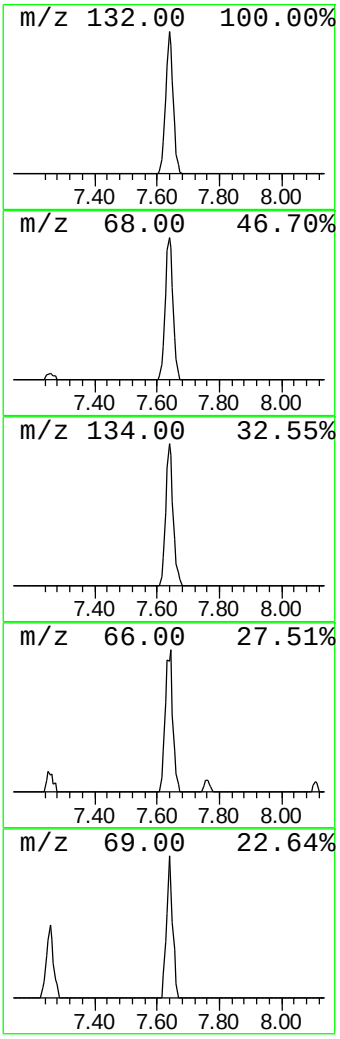
****

Peak Number 7 unknown7.64 Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.64	14.46 ng	75661	1,4-Dichlorobenzene-d4	8.11

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2H-Cyclopenta[d]pyridazine, 2-me...	132	C8H8N2	022291-85-6	27
2	3-Chloro-6-fluoro-pyrazine	132	C4H2ClFN2	1000146-10-7	27
3	4-Chloro-6-fluoro-pyrimidine	132	C4H2ClFN2	051422-01-6	27
4	1,3-Cyclopentanedione, 2-chloro-	132	C5H5ClO2	014203-19-1	17
5	5-Fluoro-2-chloropyrimidine	132	C4H2ClFN2	062802-42-0	12





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA G\DATA\BG120715\
Data File : BG019998.D
Acq On : 8 Dec 2015 2:03
Operator : UM/NP
Sample : G4676-10
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : MW-16

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

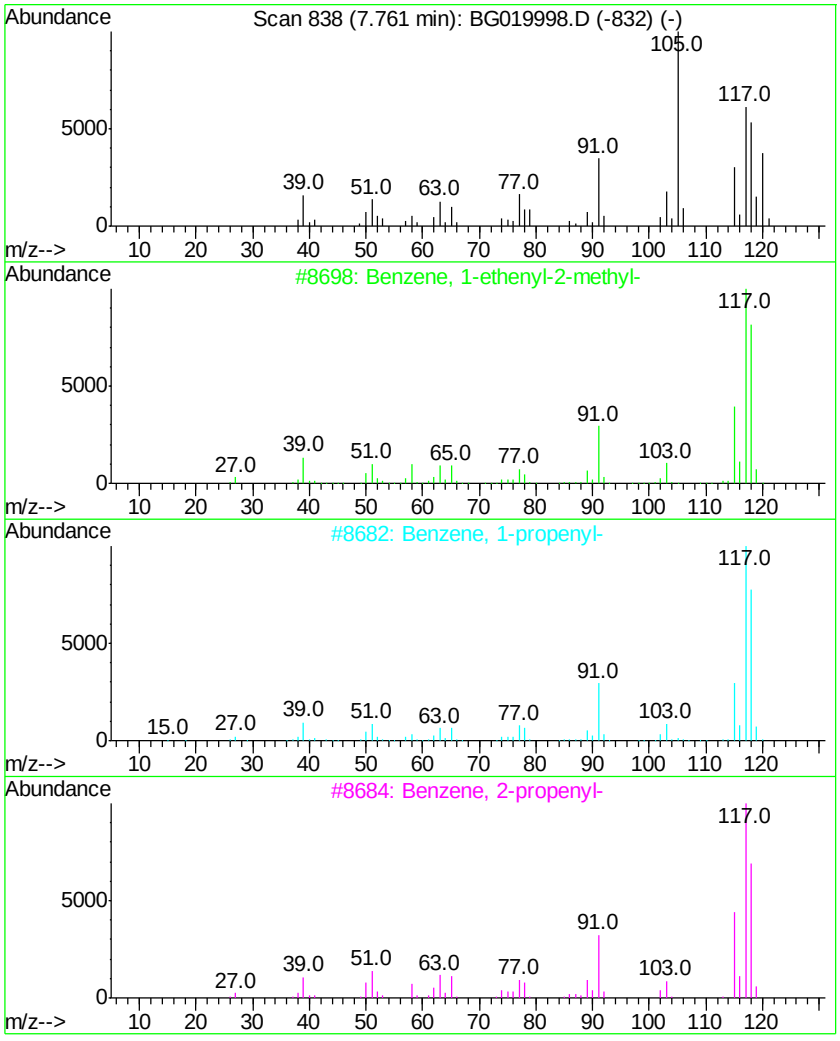
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

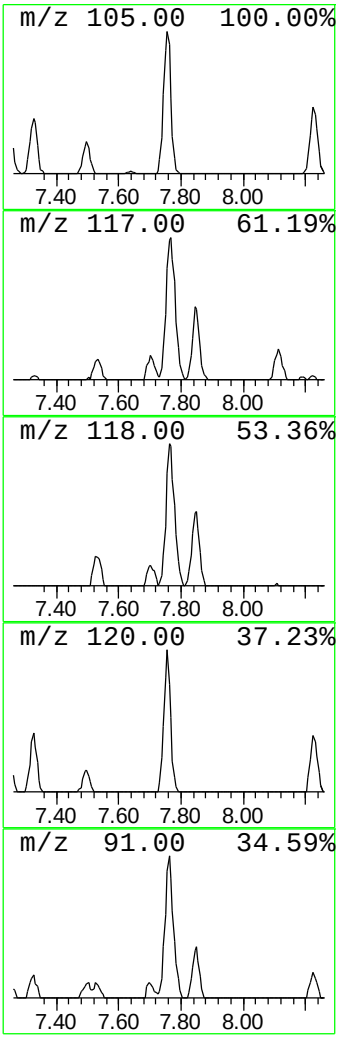
****

Peak Number 8 Benzene, 1-ethenyl-2-methyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.76	30.61 ng	160097	1,4-Dichlorobenzene-d4	8.11

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-ethenyl-2-methyl-	118	C9H10	000611-15-4	55
2	Benzene, 1-propenyl-	118	C9H10	000637-50-3	55
3	Benzene, 2-propenyl-	118	C9H10	000300-57-2	50
4	cis-.beta.-Methylstyrene	118	C9H10	000766-90-5	50
5	Benzene, 1-ethenyl-3-methyl-	118	C9H10	000100-80-1	50





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA G\DATA\BG120715\
Data File : BG019998.D
Acq On : 8 Dec 2015 2:03
Operator : UM/NP
Sample : G4676-10
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : MW-16

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

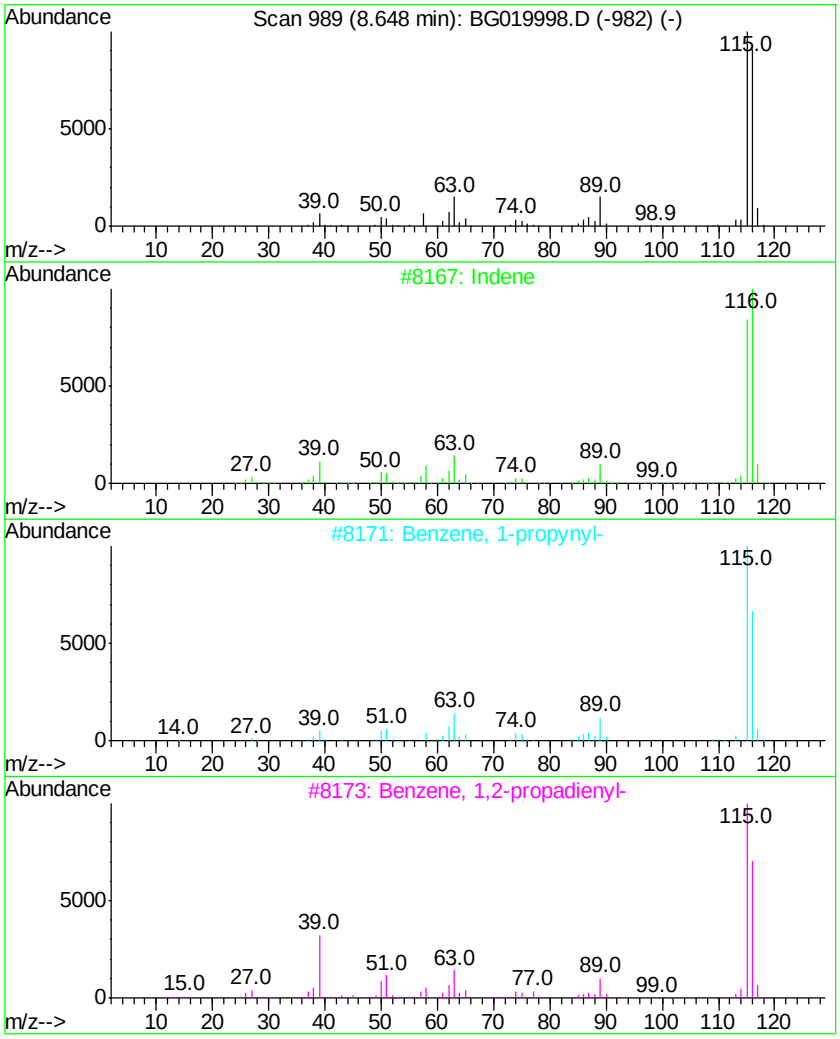
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

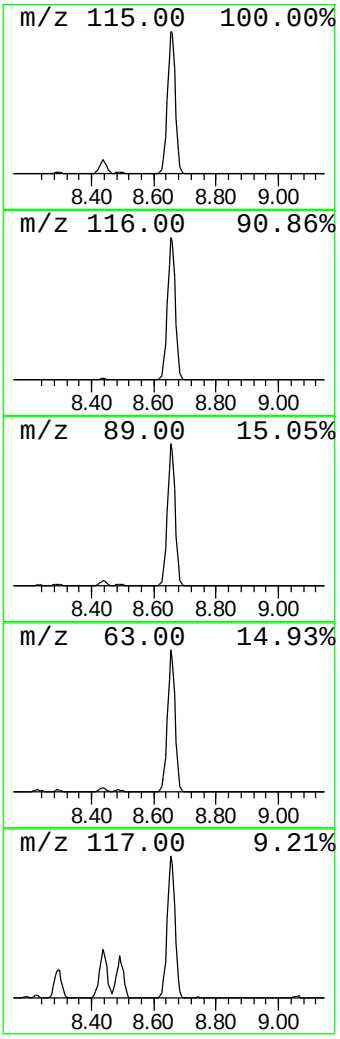
****

Peak Number 10 Indene Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.65	204.85 ng	1071500	1,4-Dichlorobenzene-d4	8.11

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Indene	116	C9H8	000095-13-6	95
2	Benzene, 1-propynyl-	116	C9H8	000673-32-5	91
3	Benzene, 1,2-propadienyl-	116	C9H8	002327-99-3	91
4	Benzene,1-ethynyl-2-methyl-	116	C9H8	000766-47-2	91
5	Benzene, 1-ethynyl-4-methyl-	116	C9H8	000766-97-2	87





Data Path : Z:\HPCHEM1\BNA G\DATA\BG120715\
Data File : BG019998.D
Acq On : 8 Dec 2015 2:03
Operator : UM/NP
Sample : G4676-10
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : MW-16

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

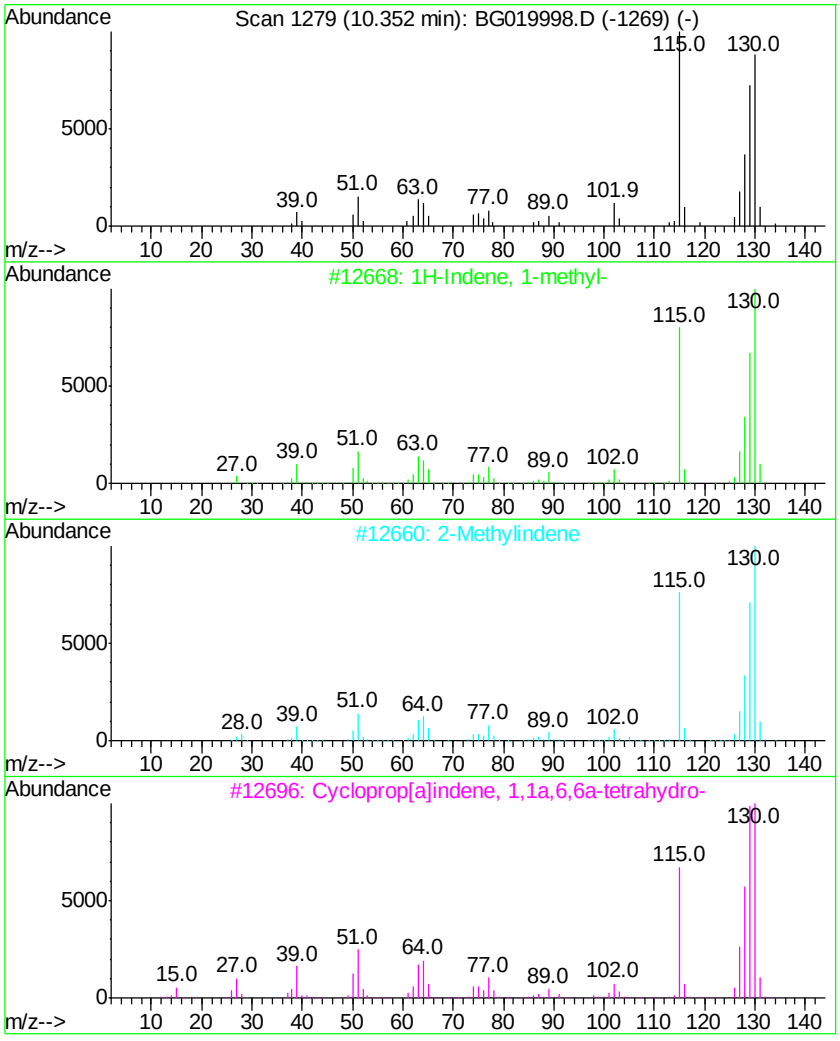
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

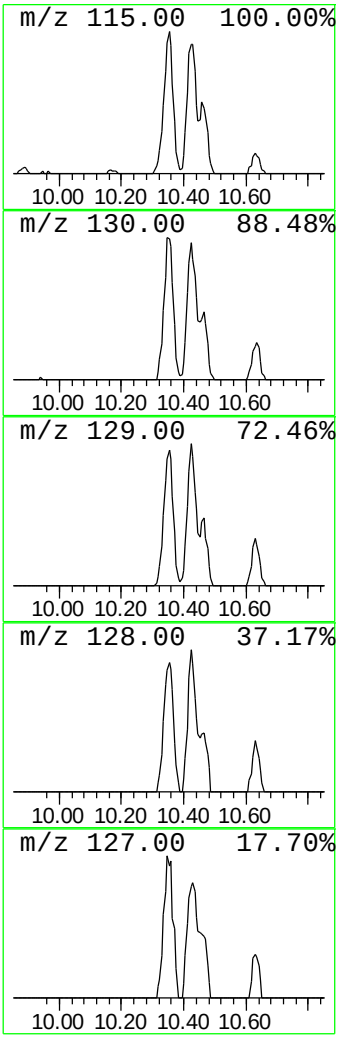
****

Peak Number 11 1H-Indene, 1-methyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.35	15.77 ng	111347	Naphthalene-d8	10.93

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1H-Indene, 1-methyl-	130	C10H10	000767-59-9	96
2	2-Methylindene	130	C10H10	002177-47-1	95
3	Cycloprop[a]indene, 1,1a,6,6a-te...	130	C10H10	015677-15-3	93
4	1H-Indene, 3-methyl-	130	C10H10	000767-60-2	93
5	Benzene, (1-methyl-2-cyclopropen...	130	C10H10	065051-83-4	93





Data Path : Z:\HPCHEM1\BNA G\DATA\BG120715\
Data File : BG019998.D
Acq On : 8 Dec 2015 2:03
Operator : UM/NP
Sample : G4676-10
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : MW-16

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

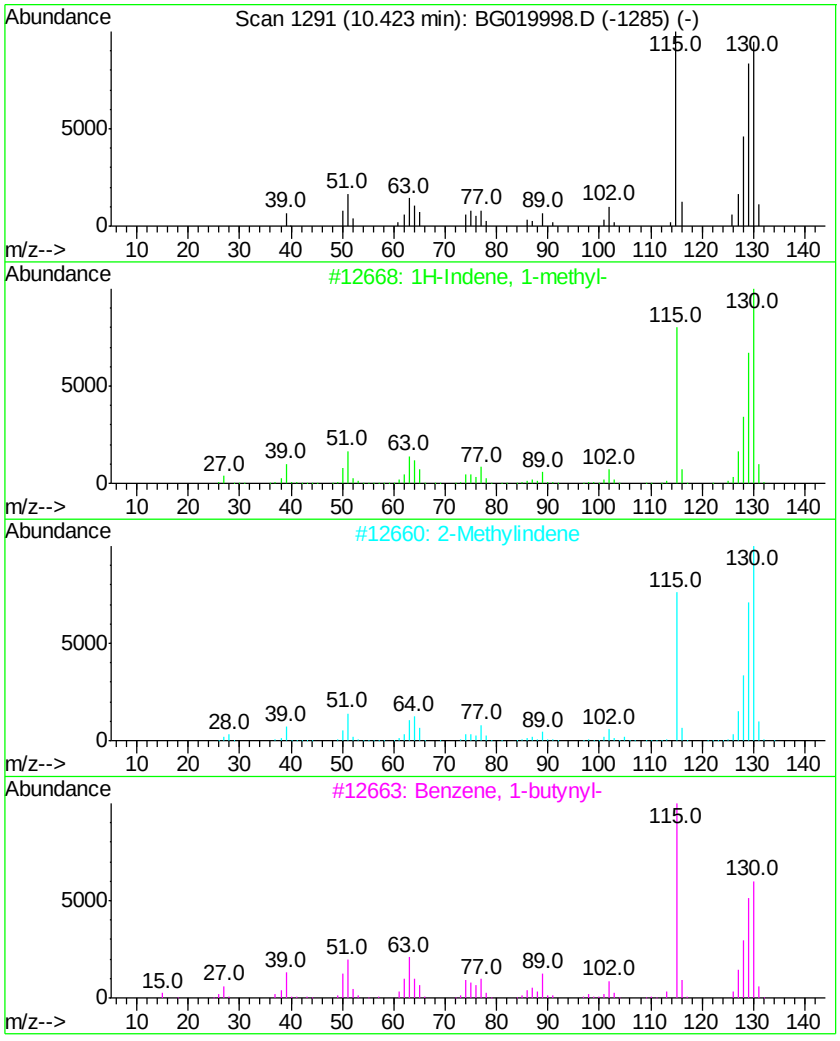
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

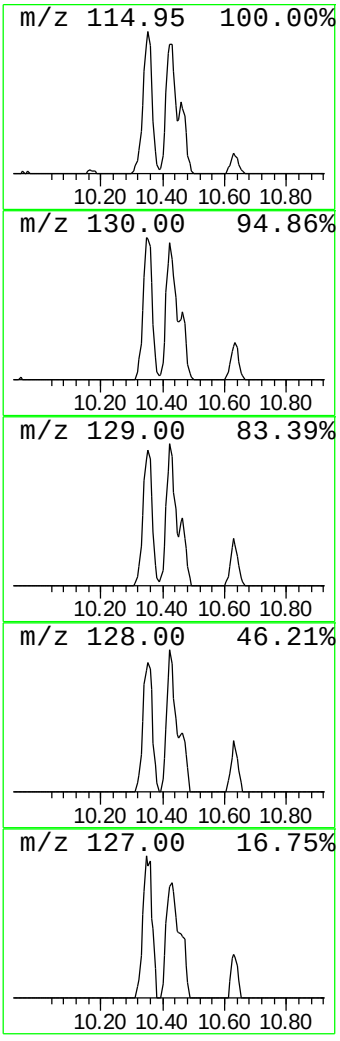
****

Peak Number 12 2-Methylindene Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.42	13.40 ng	94628	Naphthalene-d8	10.93

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1H-Indene, 1-methyl-	130	C10H10	000767-59-9	96
2	2-Methylindene	130	C10H10	002177-47-1	94
3	Benzene, 1-butynyl-	130	C10H10	000622-76-4	94
4	Benzene, (1-methyl-2-cyclopropen...	130	C10H10	065051-83-4	93
5	Cycloprop[a]indene, 1,1a,6,6a-te...	130	C10H10	015677-15-3	90





Data Path : Z:\HPCHEM1\BNA G\DATA\BG120715\
Data File : BG019998.D
Acq On : 8 Dec 2015 2:03
Operator : UM/NP
Sample : G4676-10
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : MW-16

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

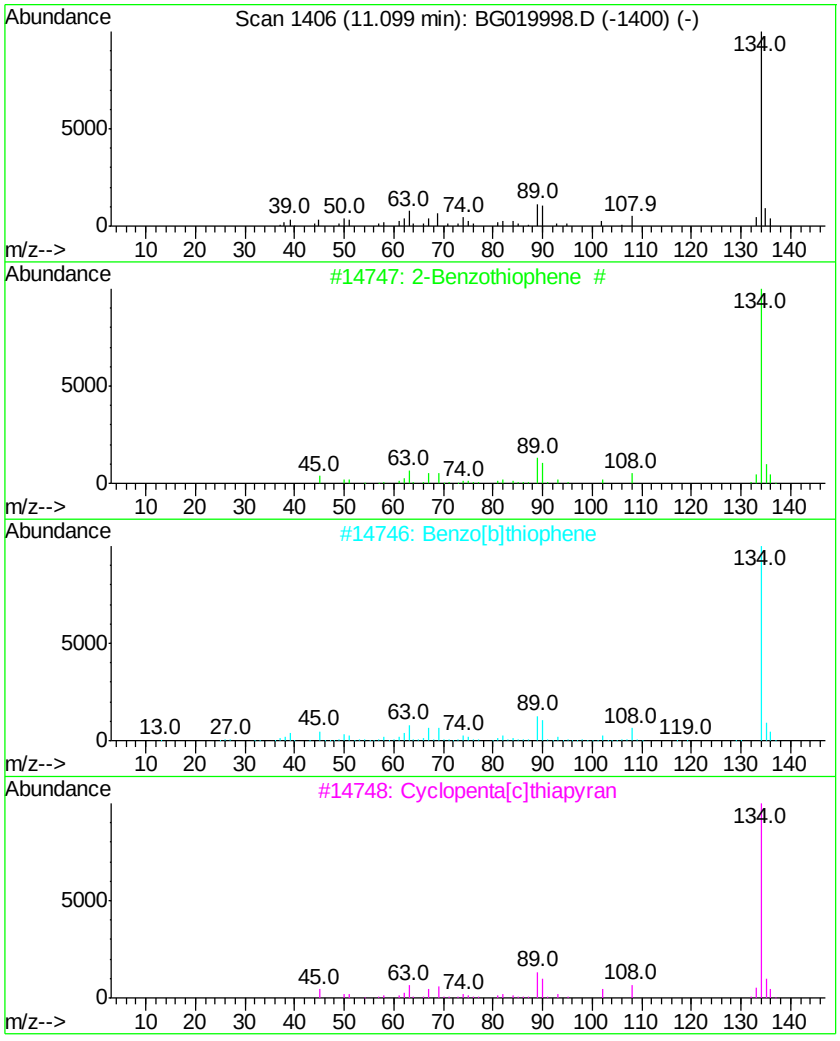
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

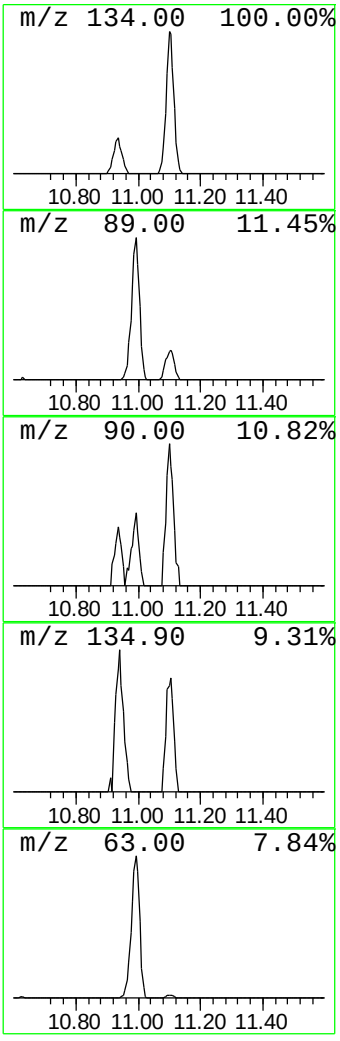
****

Peak Number 13 2-Benzothiophene # Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.10	8.52 ng	60129	Naphthalene-d8	10.93

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Benzothiophene #	134	C8H6S	000270-82-6	94
2	Benzo[b]thiophene	134	C8H6S	000095-15-8	91
3	Cyclopenta[c]thiapyran	134	C8H6S	000270-63-3	91
4	Cyclopenta[b]thiapyran	134	C8H6S	000271-17-0	86
5	Pyrimidine, 2,4,6-trifluoro-	134	C4HF3N2	000696-82-2	42





Data Path : Z:\HPCHEM1\BNA G\DATA\BG120715\
Data File : BG019998.D
Acq On : 8 Dec 2015 2:03
Operator : UM/NP
Sample : G4676-10
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : MW-16

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

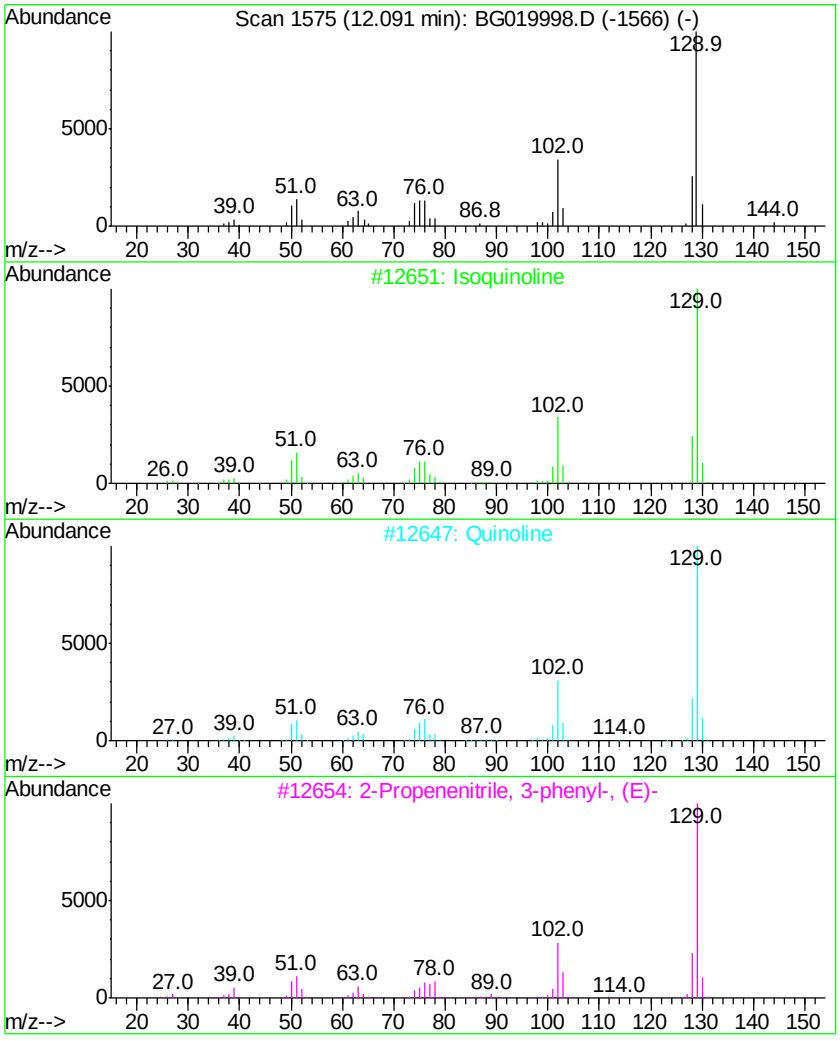
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

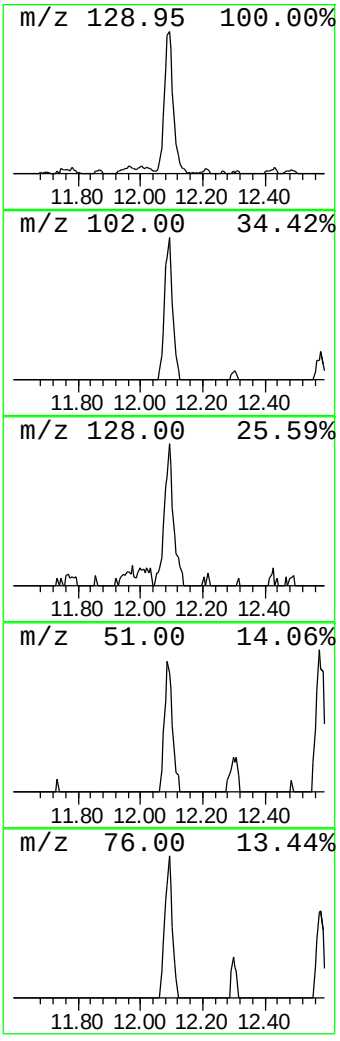
****

Peak Number 14 Isoquinoline Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.09	10.05 ng	70968	Naphthalene-d8	10.93

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Isoquinoline	129	C9H7N	000119-65-3	96
2	Quinoline	129	C9H7N	000091-22-5	96
3	2-Propenenitrile, 3-phenyl-, (E)-	129	C9H7N	001885-38-7	83
4	2,4-Dicyanopyridine	129	C7H3N3	029181-50-8	74
5	Benzeneacetonitrile, .alpha.-met...	129	C9H7N	000495-10-3	74





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA G\DATA\BG120715\
Data File : BG019998.D
Acq On : 8 Dec 2015 2:03
Operator : UM/NP
Sample : G4676-10
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : MW-16

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

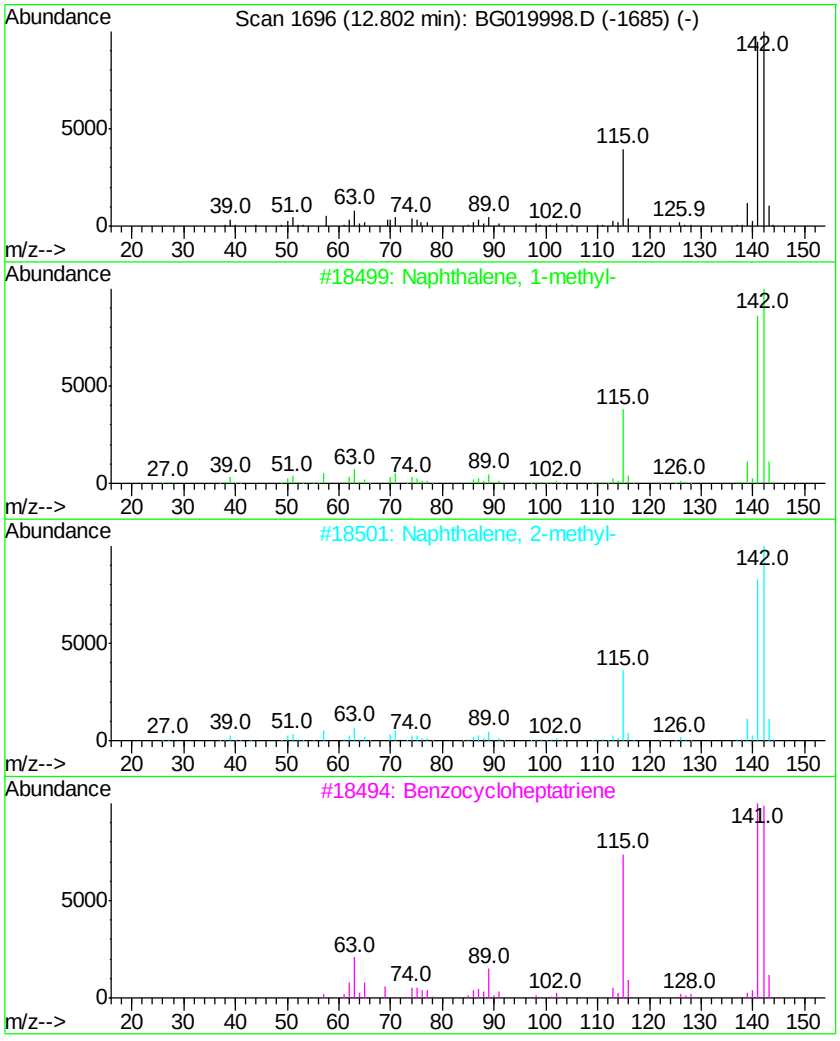
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

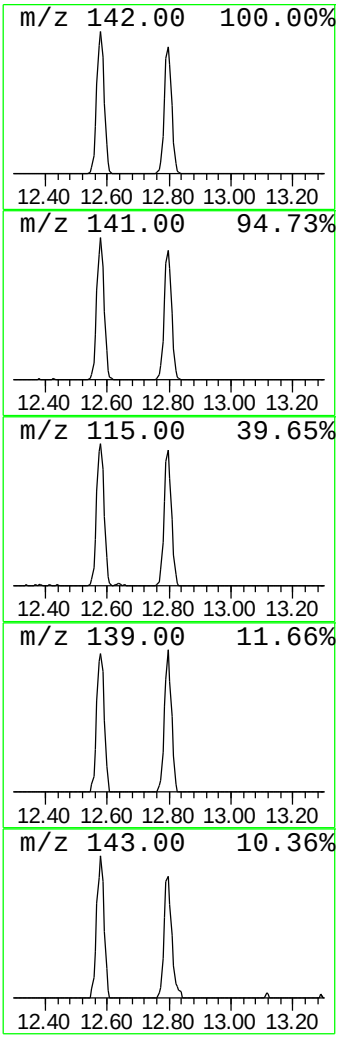
****

Peak Number 15 Naphthalene, 1-methyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.80	38.52 ng	271941	Naphthalene-d8	10.93

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1-methyl-	142	C11H10	000090-12-0	96
2	Naphthalene, 2-methyl-	142	C11H10	000091-57-6	96
3	Benzocycloheptatriene	142	C11H10	000264-09-5	94
4	1H-Indene, 1-ethylidene-	142	C11H10	002471-83-2	91
5	1,4-Methanonaphthalene, 1,4-dihy...	142	C11H10	004453-90-1	91





Tentatively Identified Compound (LSC) summary

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG120715\
Data File : BG019998.D
Acq On : 8 Dec 2015 2:03
Operator : UM/NP
Sample : G4676-10
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : MW-16

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
Acetic acid, 1,1-...	5.19	8.4	ng	44018	1	8.11	104613	20.0
unknown7.64	7.64	14.5	ng	75661	1	8.11	104613	20.0
Benzene, 1-etheny...	7.76	30.6	ng	160097	1	8.11	104613	20.0
Indene	8.65	204.8	ng	1071500	1	8.11	104613	20.0
1H-Indene, 1-methyl-	10.35	15.8	ng	111347	2	10.93	141209	20.0
2-Methylindene	10.42	13.4	ng	94628	2	10.93	141209	20.0
2-Benzothiophene #	11.10	8.5	ng	60129	2	10.93	141209	20.0
Isoquinoline	12.09	10.1	ng	70968	2	10.93	141209	20.0
Naphthalene, 1-me...	12.80	38.5	ng	271941	2	10.93	141209	20.0