LSC Area Percent Report

Data Path : \\74.0.250.170\SVOASRV\HPCHEM1\BNA G\DATA\BG021116\
Data File : BG020883.D
Acq On : 12 Feb 2016 8:30
Operator : SJ/UM
Sample : H1408-02
Misc :
ALS Vial : 30 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : DBMW-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-BG021116.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	3.249	65	70	79	rBV	51480	88785	6.56%	1.241%
2	3.325	79	83	91	rVB	31869	43905	3.25%	0.614%
3	5.323	418	423	431	rVB	16303	24684	1.82%	0.345%
4	5.798	498	504	514	rVB	129431	203021	15.01%	2.837%
5	7.408	772	778	790	rBB	85723	146524	10.83%	2.048%
6	7.796	836	844	852	rBV	282696	473102	34.97%	6.611%
7	8.266	918	924	932	rVB	58638	97785	7.23%	1.367%
8	8.595	973	980	986	rBV	276966	454620	33.60%	6.353%
9	9.376	1107	1113	1117	rBV2	15339	23926	1.77%	0.334%
10	9.441	1117	1124	1134	rVB	223987	405009	29.94%	5.660%
11	9.905	1197	1203	1208	rVB	12483	19927	1.47%	0.278%
12	10.269	1259	1265	1272	rBV5	10844	22758	1.68%	0.318%
13	10.480	1294	1301	1308	rBV3	20488	35437	2.62%	0.495%
14	11.091	1394	1405	1412	rBV	102710	212539	15.71%	2.970%
15	11.197	1418	1423	1432	rVB4	12175	23561	1.74%	0.329%
16	11.779	1514	1522	1529	rVB9	4511	14828	1.10%	0.207%
17	11.984	1552	1557	1563	rVB5	10326	21883	1.62%	0.306%
18	12.619	1658	1665	1670	rVB6	16454	29066	2.15%	0.406%
19	12.695	1670	1678	1680	rBV6	7721	18330	1.35%	0.256%
20	12.871	1704	1708	1712	rBV4	11763	20102	1.49%	0.281%
21	12.942	1716	1720	1732	rVB3	20345	49882	3.69%	0.697%
22	13.512	1810	1817	1822	rBV	781134	1154163	85.31%	16.129%
23	13.559	1822	1825	1832	rVB4	16549	24846	1.84%	0.347%
24	13.829	1865	1871	1877	rBV9	8134	14813	1.09%	0.207%
25	14.199	1929	1934	1940	rVV7	8702	17732	1.31%	0.248%
26	14.322	1950	1955	1963	rVB	51785	81663	6.04%	1.141%
27	14.880	2045	2050	2060	rVB2	171457	277841	20.54%	3.883%
28	15.438	2138	2145	2150	rBV	18443	32893	2.43%	0.460%
29	15.491	2150	2154	2163	rVB10	12156	25879	1.91%	0.362%
30	16.361	2296	2302	2310	rVB2	486689	716484	52.96%	10.013%
31	16.554	2330	2335	2346	rVB3	19902	34860	2.58%	0.487%
32	17.618	2510	2516	2523	rBV2	199687	294329	21.76%	4.113%
33	18.475	2656	2662	2666	rBV7	9103	17668	1.31%	0.247%
34	19.327	2803	2807	2814	rBV4	9309	19181	1.42%	0.268%

LSC Area Percent Report

Data Path : \\74.0.250.170\SVOASRV\HPCHEM1\BNA G\DATA\BG021116\
Data File : BG020883.D
Acq On : 12 Feb 2016 8:30
Operator : SJ/UM
Sample : H1408-02
Misc :
ALS Vial : 30 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : DBMW-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-BG021116.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

35	20.202	2950	2956	2963	rVB	1029395	1352873	100.00%	18.906%
36	21.501	3173	3177	3185	rBV8	16399	29344	2.17%	0.410%
37	21.900	3238	3245	3252	rVB	193289	325854	24.09%	4.554%
38	25.284	3810	3821	3832	rBV2	103155	305736	22.60%	4.273%

Sum of corrected areas: 7155833

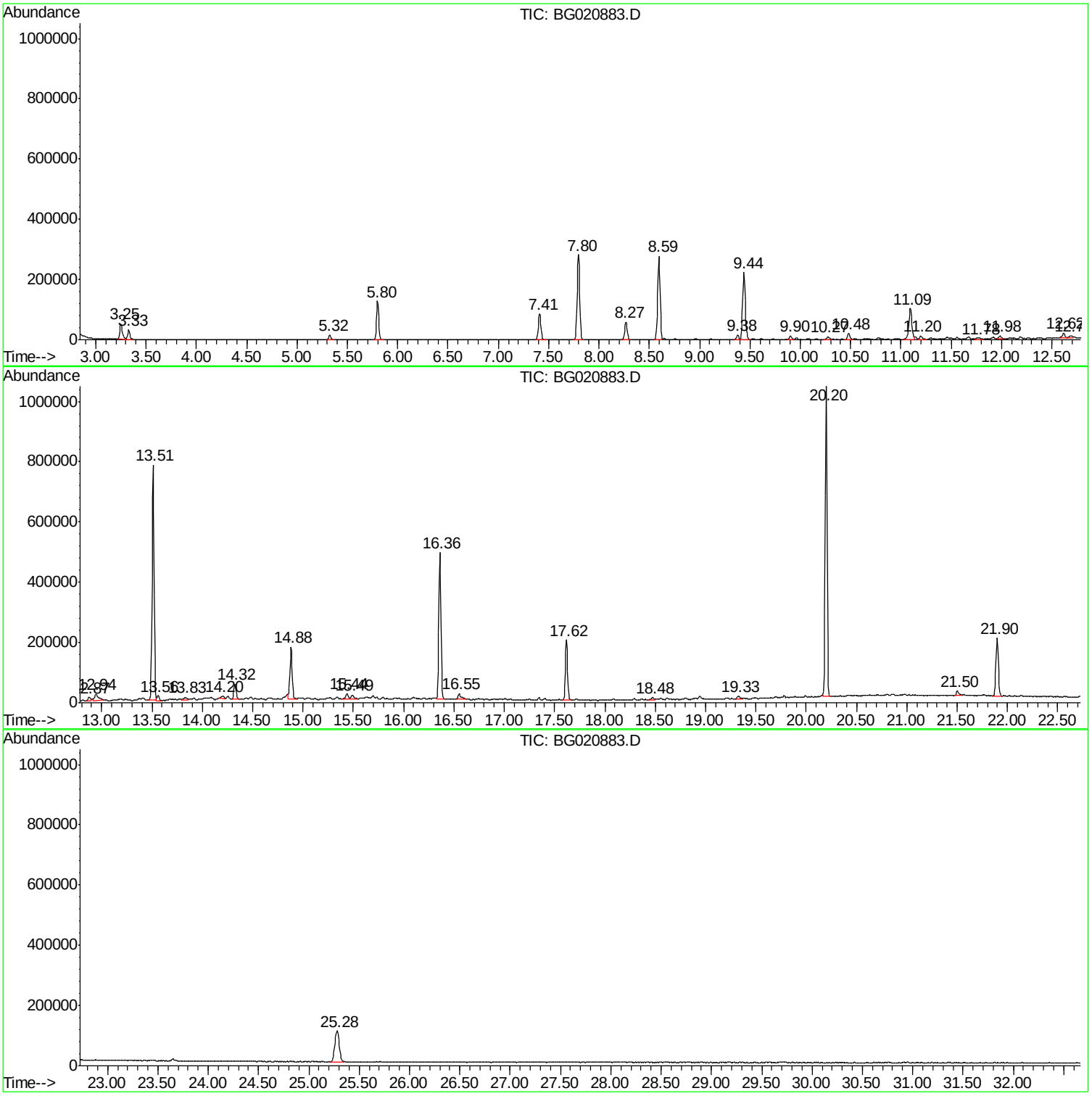
LSC Report - Integrated Chromatogram

Data Path : \\74.0.250.170\SVOASRV\HPCHEM1\BNA G\DATA\BG021116\
Data File : BG020883.D
Acq On : 12 Feb 2016 8:30
Operator : SJ/UM
Sample : H1408-02
Misc :
ALS Vial : 30 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : DBMW-16

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\8270-BG021116.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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Data File : BG020883.D
Acq On : 12 Feb 2016 8:30
Operator : SJ/UM
Sample : H1408-02
Misc :
ALS Vial : 30 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : DBMW-16

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\8270-BG021116.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

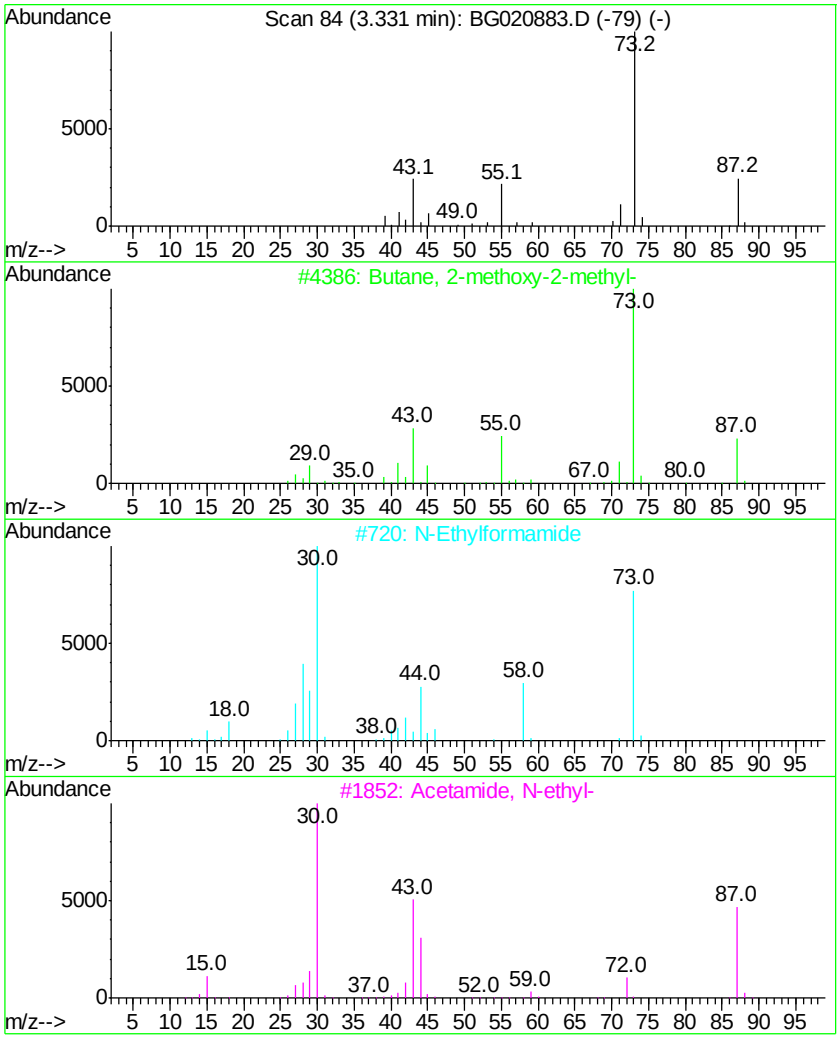
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

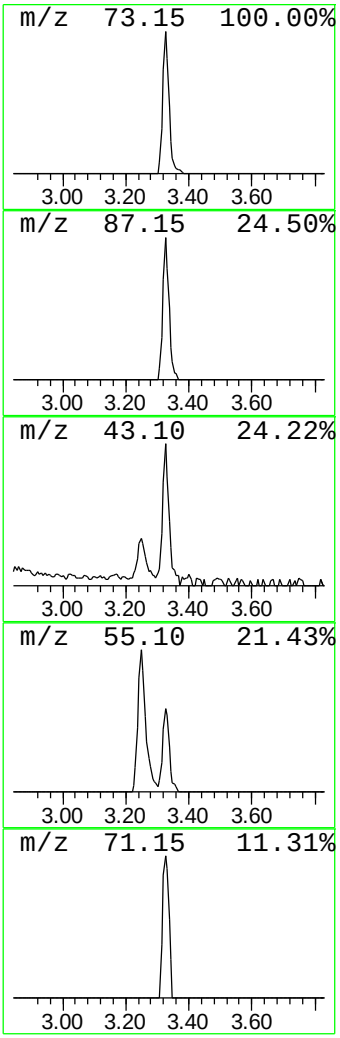
****

Peak Number 2 Butane, 2-methoxy-2-methyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.33	8.98 ng	43905	1,4-Dichlorobenzene-d4	8.27

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Butane, 2-methoxy-2-methyl-	102	C6H14O	000994-05-8	78
2	N-Ethylformamide	73	C3H7NO	000627-45-2	9
3	Acetamide, N-ethyl-	87	C4H9NO	000625-50-3	9
4	3-Hexanol, 2-methyl-	116	C7H16O	000617-29-8	9
5	Acetic acid, 3-[1,3]dioxolan-2-y...	174	C8H14O4	1000186-02-3	9





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Data File : BG020883.D
Acq On : 12 Feb 2016 8:30
Operator : SJ/UM
Sample : H1408-02
Misc :
ALS Vial : 30 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : DBMW-16

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\8270-BG021116.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

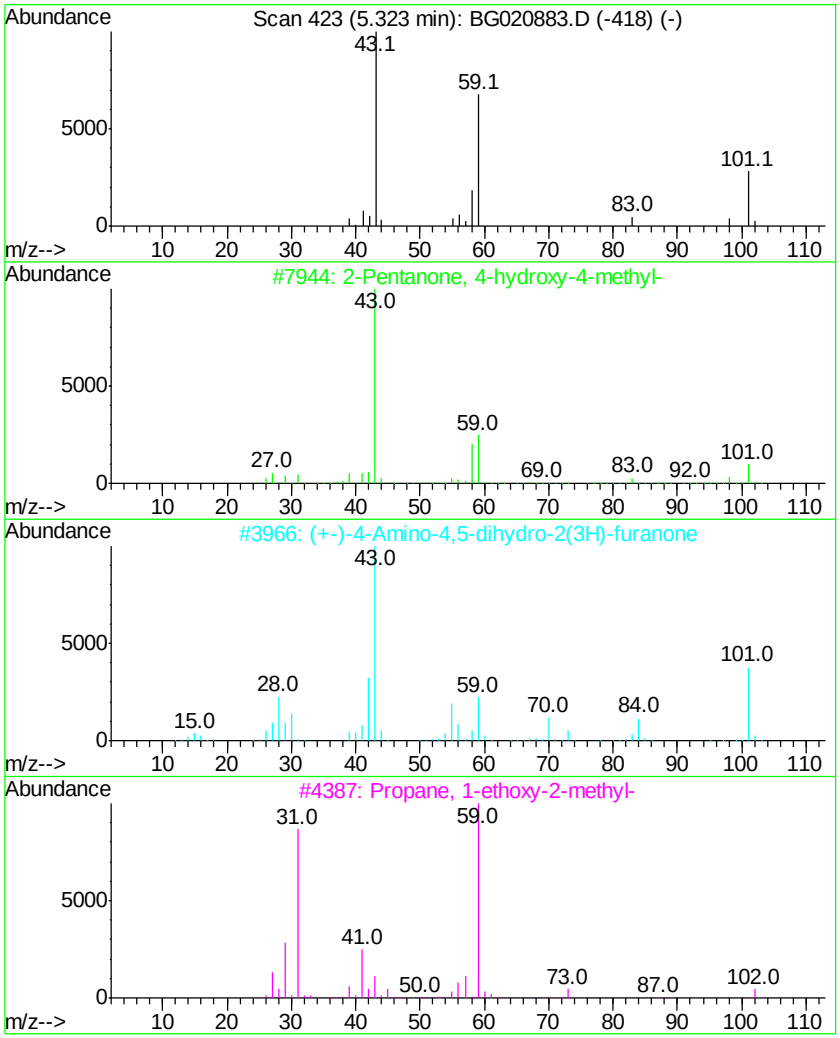
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

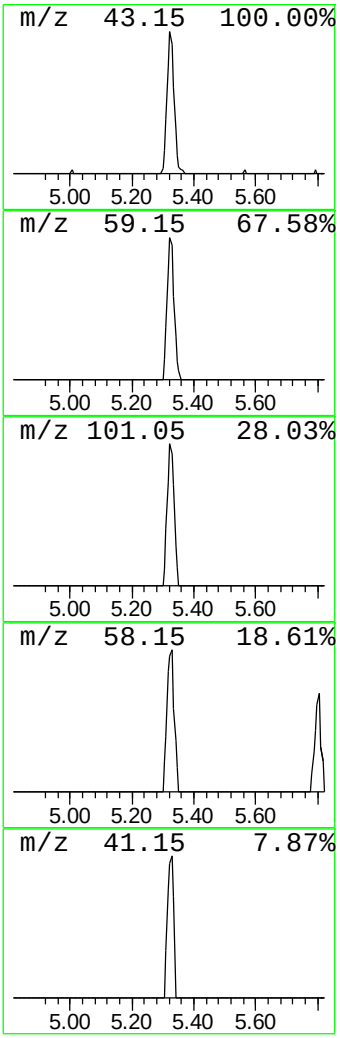
****

Peak Number 3 2-Pentanone, 4-hydroxy-4-me... Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.32	5.05 ng	24684	1,4-Dichlorobenzene-d4	8.27

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	59
2	(+-)-4-Amino-4,5-dihydro-2(3H)-f...	101	C4H7NO2	016504-58-8	38
3	Propane, 1-ethoxy-2-methyl-	102	C6H14O	000627-02-1	17
4	Propane, 1-(1-methylethoxy)-	102	C6H14O	000627-08-7	9
5	Morpholine, 4-methyl-	101	C5H11NO	000109-02-4	9





Library Search Compound Report

Data Path : \\74.0.250.170\SVOASRV\HPCHEM1\BNA G\DATA\BG021116\
Data File : BG020883.D
Acq On : 12 Feb 2016 8:30
Operator : SJ/UM
Sample : H1408-02
Misc :
ALS Vial : 30 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : DBMW-16

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\8270-BG021116.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

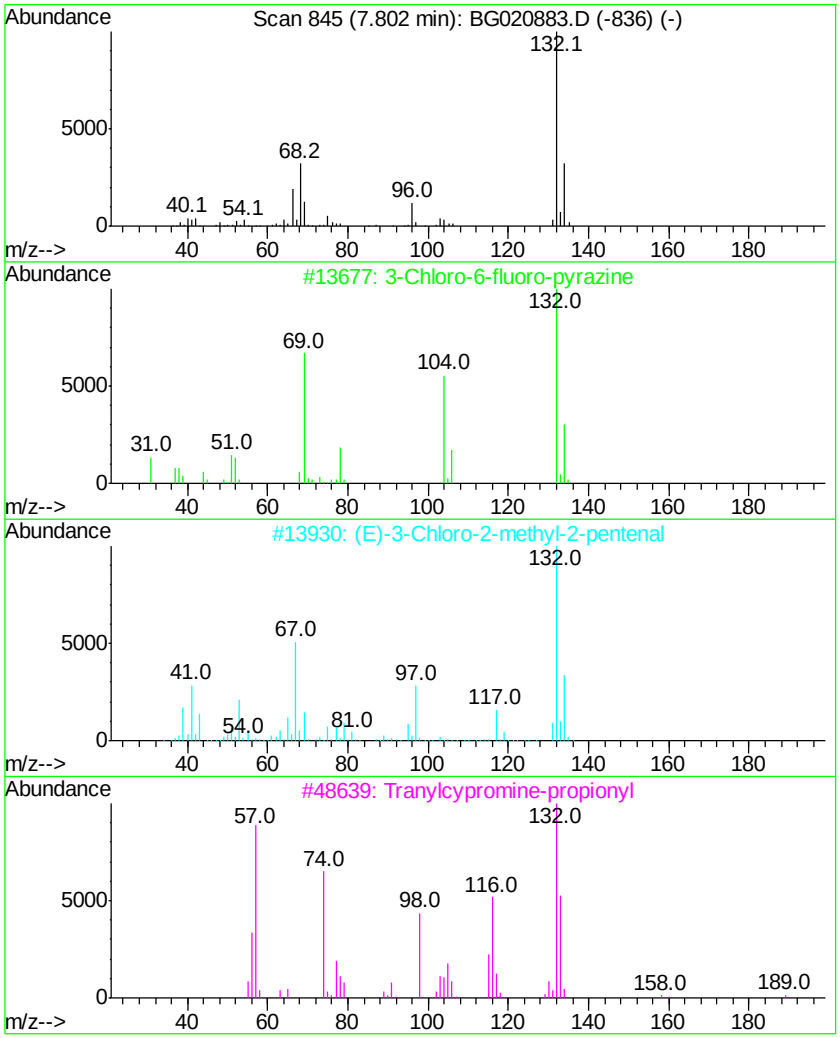
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

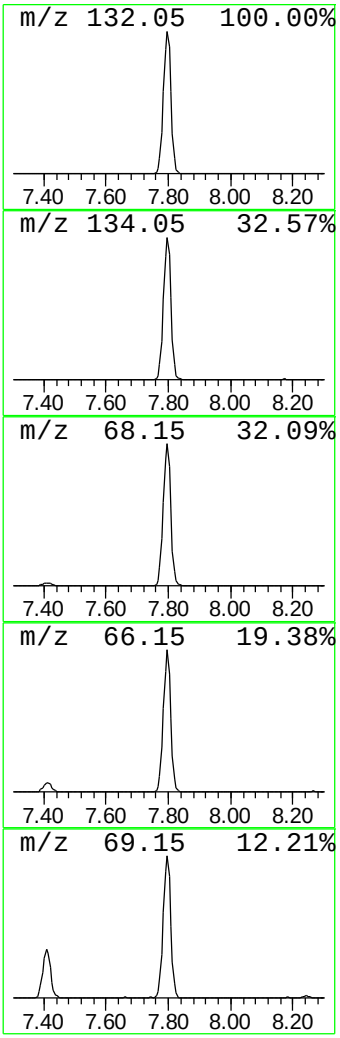
****

Peak Number 4 unknown7.80 Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.80	96.76 ng	473102	1,4-Dichlorobenzene-d4	8.27

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	Tranylcypromine-propionyl	189	C12H15NO	1000123-86-3	12
4	Amphetaminil	250	C17H18N2	017590-01-1	12
5	Benzene, 1,3,5-trifluoro-	132	C6H3F3	000372-38-3	9





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Data File : BG020883.D
Acq On : 12 Feb 2016 8:30
Operator : SJ/UM
Sample : H1408-02
Misc :
ALS Vial : 30 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : DBMW-16

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\8270-BG021116.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

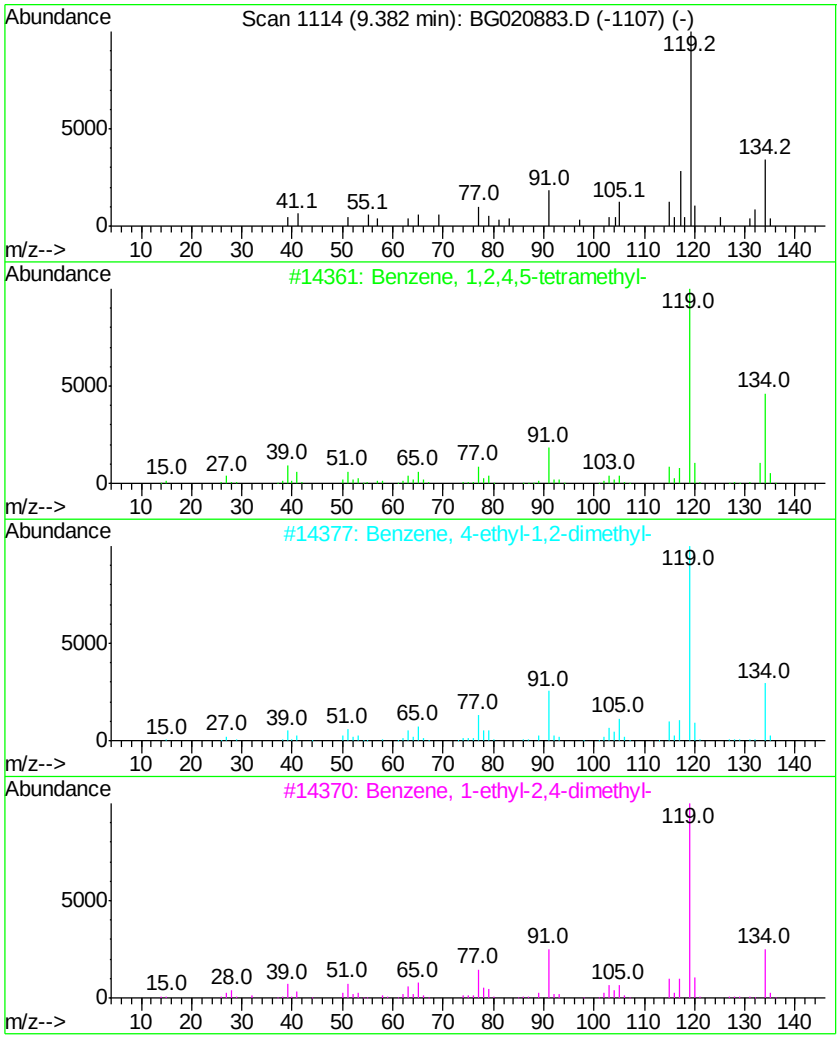
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

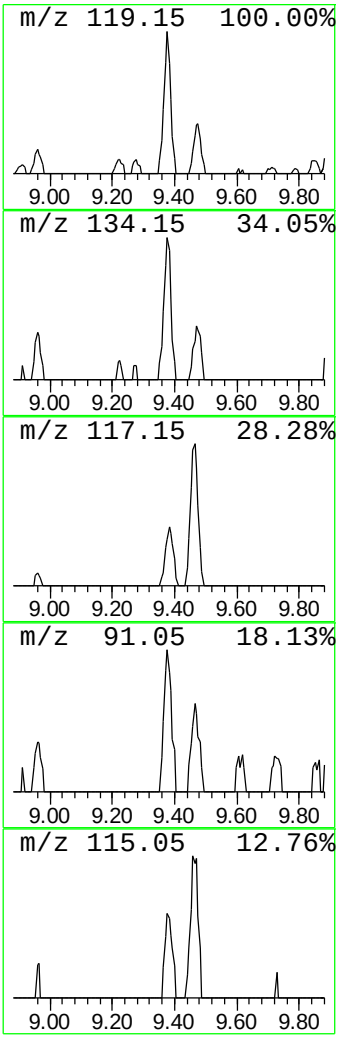
****

Peak Number 6 Benzene, 1,2,4,5-tetramethyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.38	4.89 ng	23926	1,4-Dichlorobenzene-d4	8.27

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1,2,4,5-tetramethyl-	134	C10H14	000095-93-2	90
2	Benzene, 4-ethyl-1,2-dimethyl-	134	C10H14	000934-80-5	90
3	Benzene, 1-ethyl-2,4-dimethyl-	134	C10H14	000874-41-9	90
4	Benzene, 1-ethyl-2,3-dimethyl-	134	C10H14	000933-98-2	90
5	Benzene, 1-methyl-2-(1-methyleth...	134	C10H14	000527-84-4	90





Library Search Compound Report

Data Path : \\74.0.250.170\SVOASRV\HPCHEM1\BNA G\DATA\BG021116\
Data File : BG020883.D
Acq On : 12 Feb 2016 8:30
Operator : SJ/UM
Sample : H1408-02
Misc :
ALS Vial : 30 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : DBMW-16

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\8270-BG021116.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

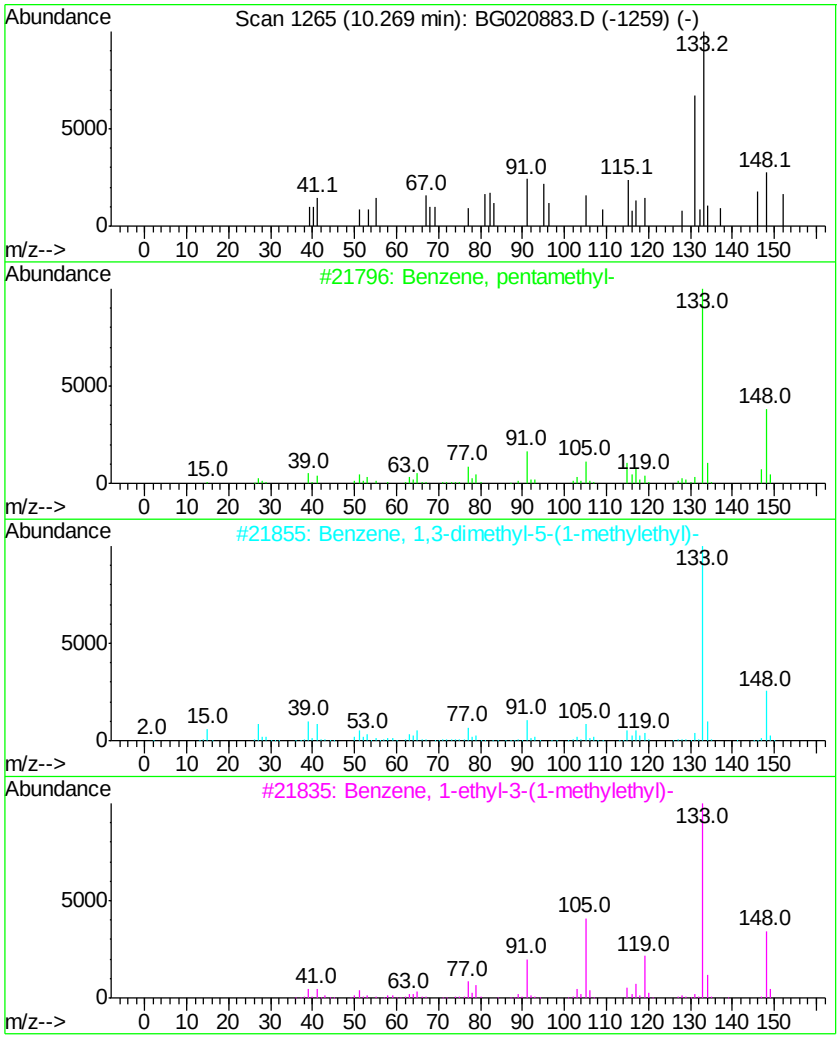
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

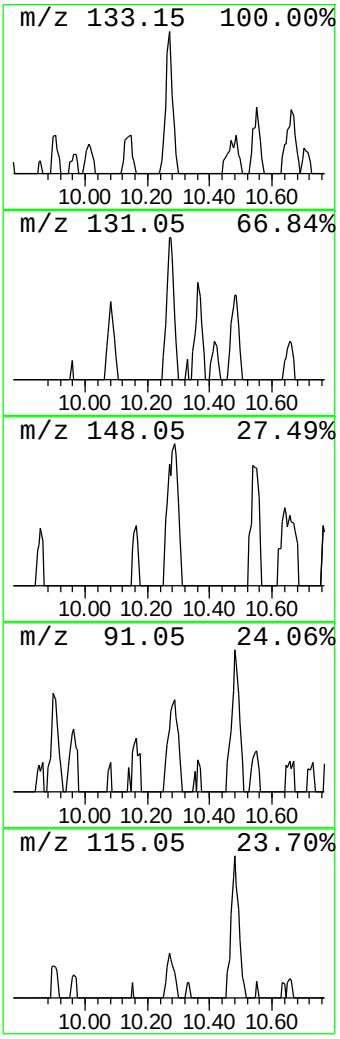
****

Peak Number 7 unknown10.27 Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.27	2.14 ng	22758	Naphthalene-d8	11.10

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, pentamethyl-	148	C11H16	000700-12-9	47
2	Benzene, 1,3-dimethyl-5-(1-methy...	148	C11H16	004706-90-5	47
3	Benzene, 1-ethyl-3-(1-methylethyl)-	148	C11H16	004920-99-4	43
4	Benzene, 1-ethyl-4-(1-methylethyl)-	148	C11H16	004218-48-8	43
5	Benzene, 2,4-dimethyl-1-(1-methy...	148	C11H16	004706-89-2	43





Library Search Compound Report

Data Path : \\74.0.250.170\SVOASRV\HPCHEM1\BNA G\DATA\BG021116\
Data File : BG020883.D
Acq On : 12 Feb 2016 8:30
Operator : SJ/UM
Sample : H1408-02
Misc :
ALS Vial : 30 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : DBMW-16

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\8270-BG021116.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

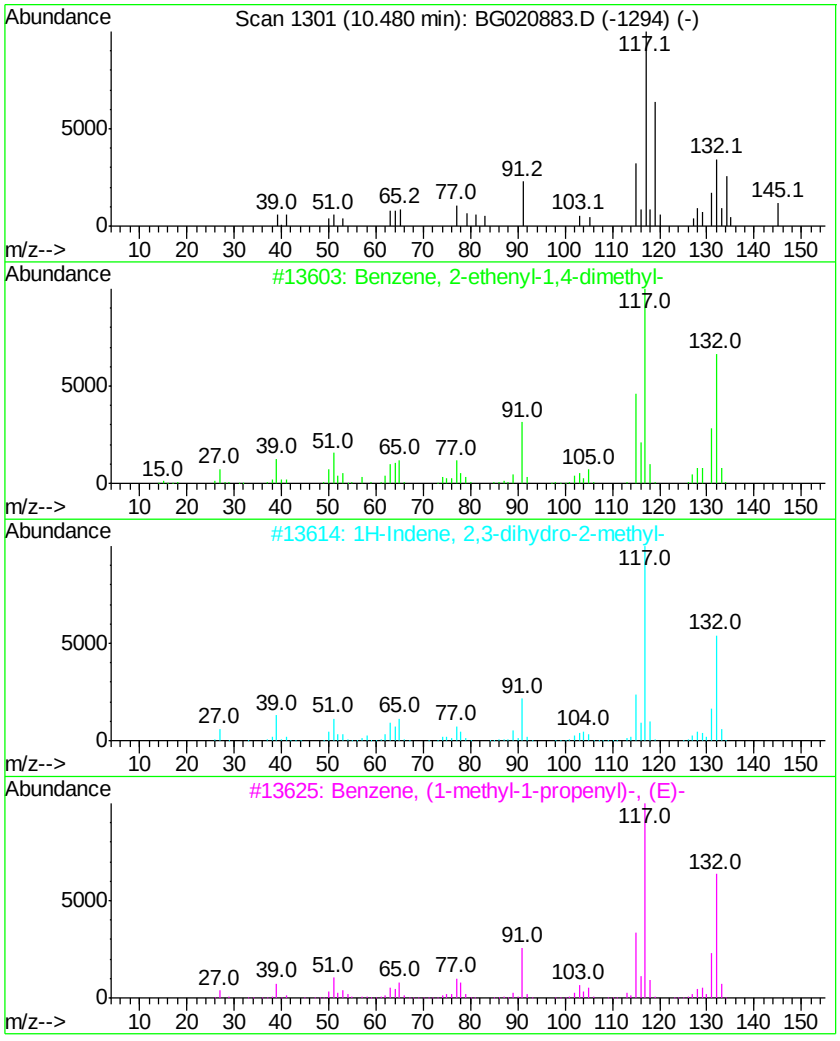
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

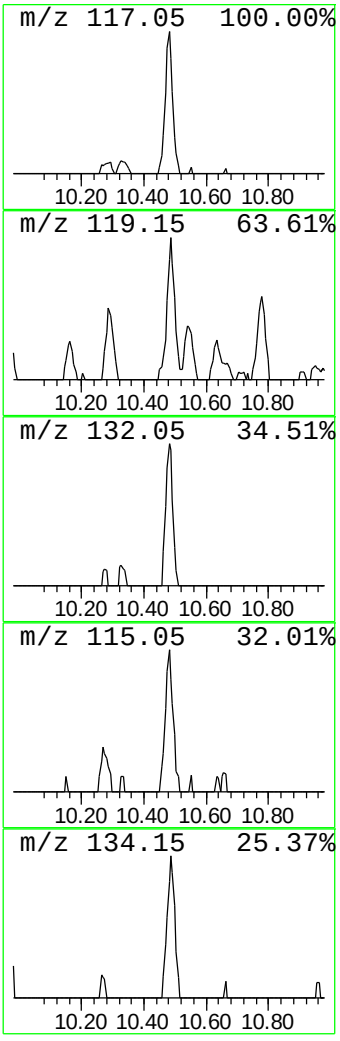
****

Peak Number 8 Benzene, 2-ethenyl-1,4-dime... Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.48	3.33 ng	35437	Naphthalene-d8	11.10

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 2-ethenyl-1,4-dimethyl-	132	C10H12	002039-89-6	60
2	1H-Indene, 2,3-dihydro-2-methyl-	132	C10H12	000824-63-5	49
3	Benzene, (1-methyl-1-propenyl)-,...	132	C10H12	000768-00-3	49
4	3-Phenylbut-1-ene	132	C10H12	000934-10-1	49
5	1-Phenyl-1-butene	132	C10H12	000824-90-8	49





Library Search Compound Report

Data Path : \\74.0.250.170\SVOASRV\HPCHEM1\BNA G\DATA\BG021116\
Data File : BG020883.D
Acq On : 12 Feb 2016 8:30
Operator : SJ/UM
Sample : H1408-02
Misc :
ALS Vial : 30 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : DBMW-16

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\8270-BG021116.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

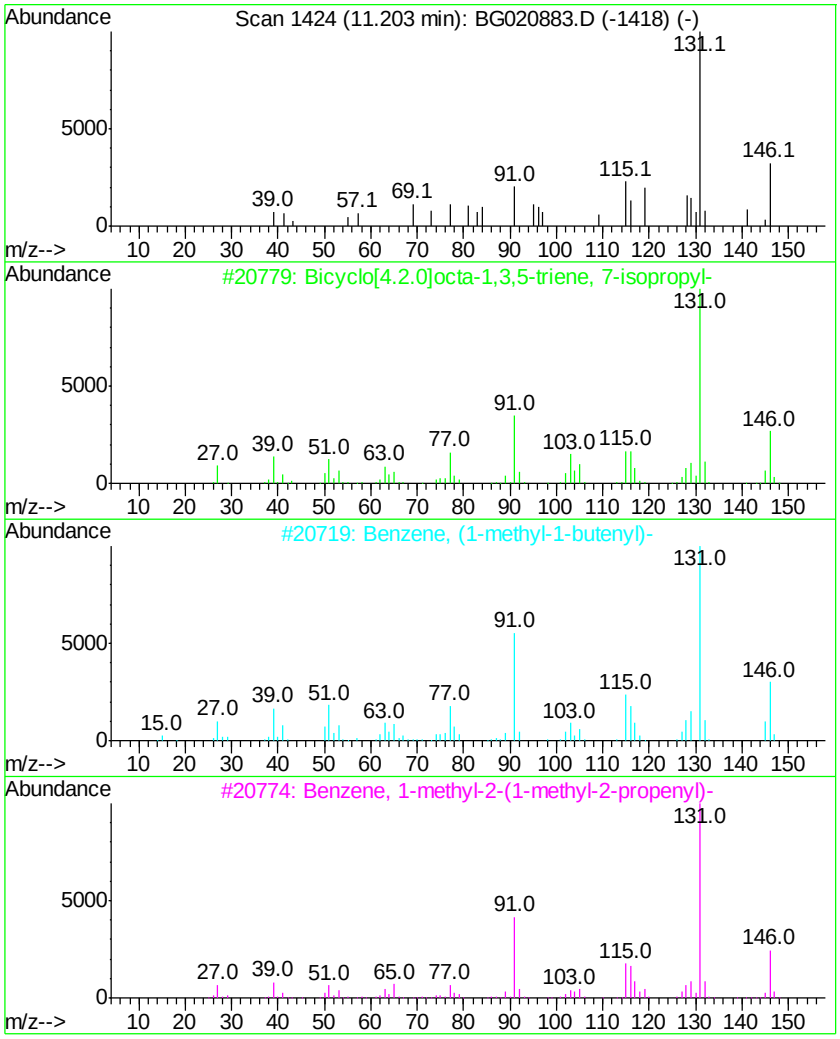
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

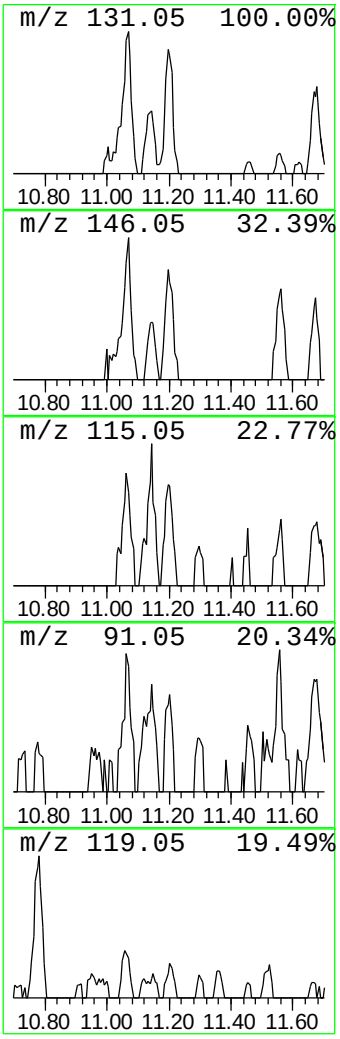
****

Peak Number 9 Bicyclo[4.2.0]octa-1,3,5-tr... Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.20	2.22 ng	23561	Naphthalene-d8	11.10

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Bicyclo[4.2.0]octa-1,3,5-triene,...	146	C11H14	027087-54-3	87
2	Benzene, (1-methyl-1-butenyl)-	146	C11H14	053172-84-2	83
3	Benzene, 1-methyl-2-(1-methyl-2-...	146	C11H14	097664-19-2	72
4	1H-Indene, 2,3-dihydro-1,3-dimet...	146	C11H14	004175-53-5	64
5	1H-Indene, 2,3-dihydro-4,6-dimet...	146	C11H14	001685-82-1	59





Data Path : \\74.0.250.170\SVOASRV\HPCHEM1\BNA G\DATA\BG021116\
Data File : BG020883.D
Acq On : 12 Feb 2016 8:30
Operator : SJ/UM
Sample : H1408-02
Misc :
ALS Vial : 30 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : DBMW-16

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\8270-BG021116.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

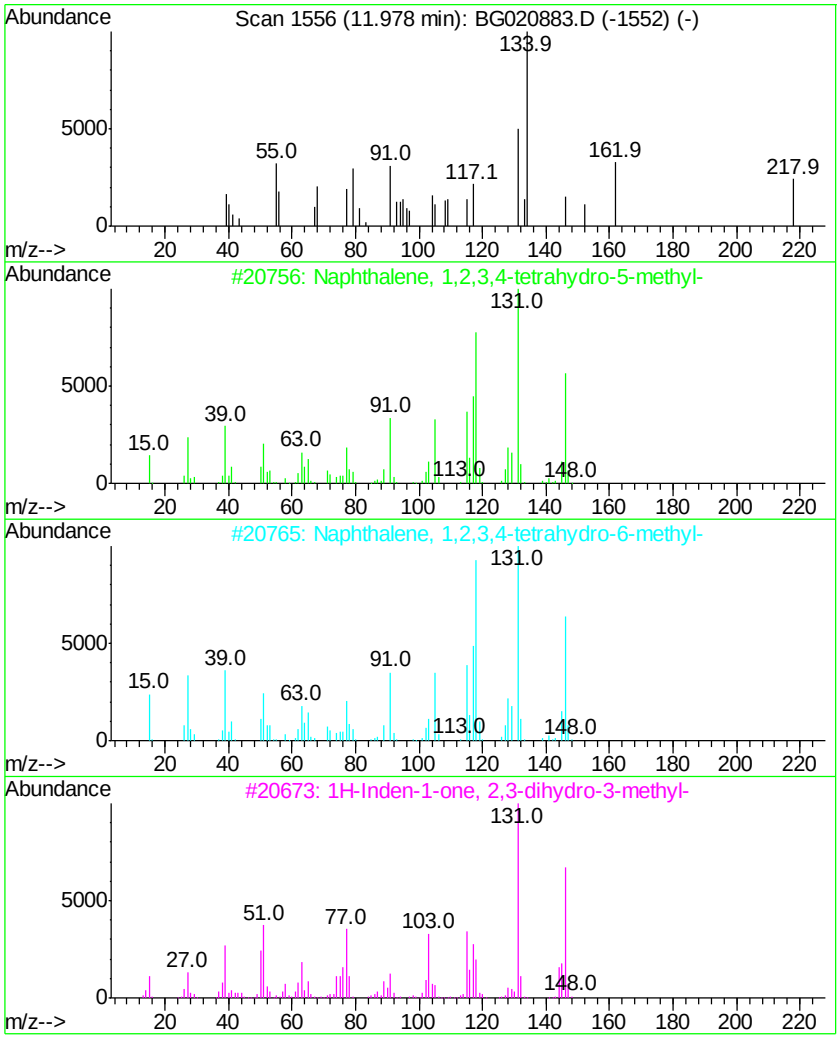
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

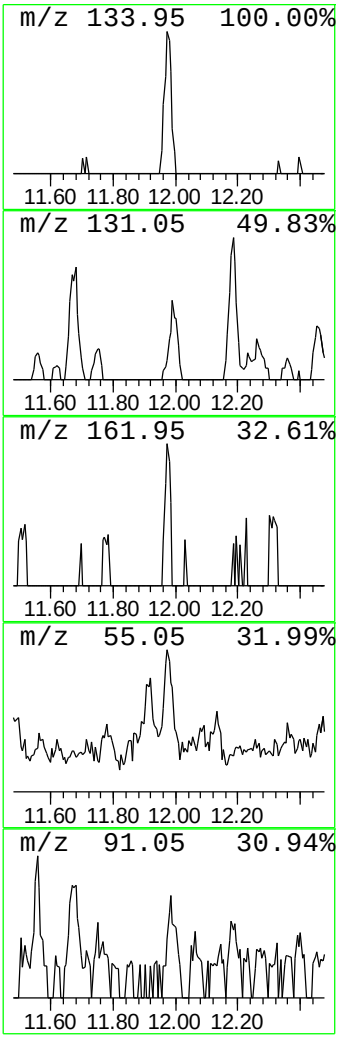
****

Peak Number 10 unknown11.98 Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.98	2.06 ng	21883	Naphthalene-d8	11.10

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1,2,3,4-tetrahydro-...	146	C11H14	002809-64-5	30
2	Naphthalene, 1,2,3,4-tetrahydro-...	146	C11H14	001680-51-9	27
3	1H-Inden-1-one, 2,3-dihydro-3-me...	146	C10H10O	006072-57-7	25
4	Benzene, (2-methyl-1-butenyl)-	146	C11H14	056253-64-6	25
5	Benzene, (1-methyl-1-butenyl)-	146	C11H14	053172-84-2	22





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Sample : H1408-02
Misc :
ALS Vial : 30 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : DBMW-16

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\8270-BG021116.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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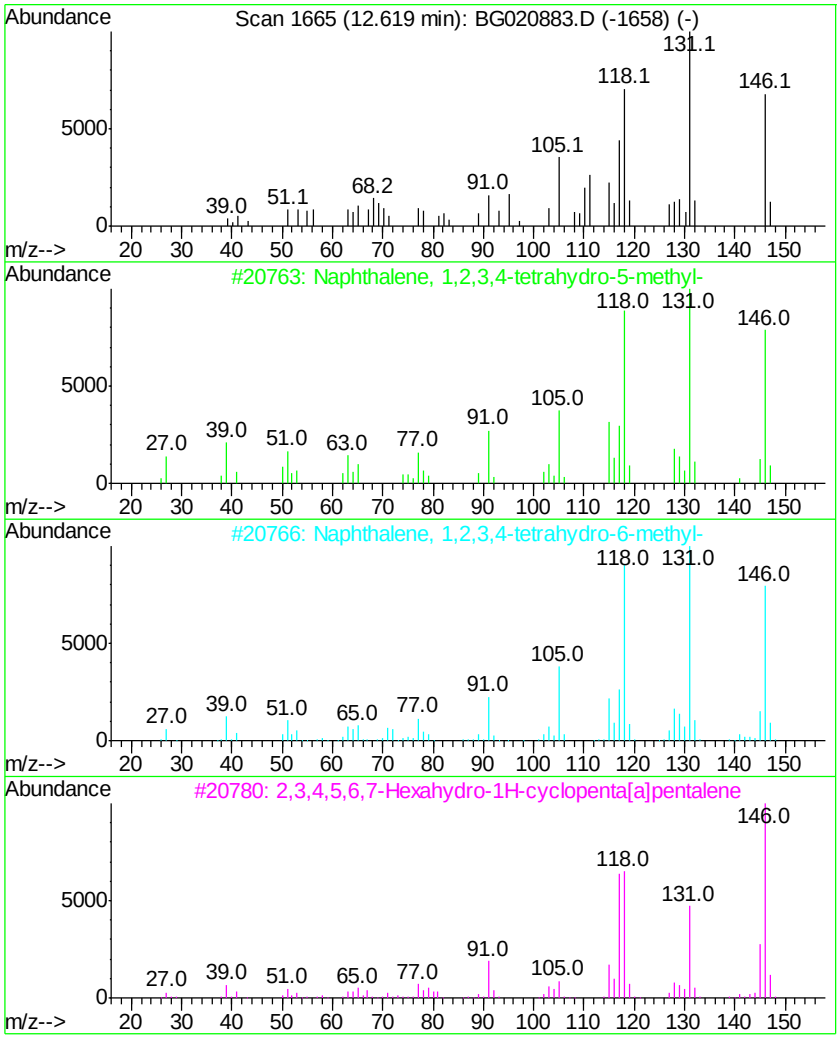
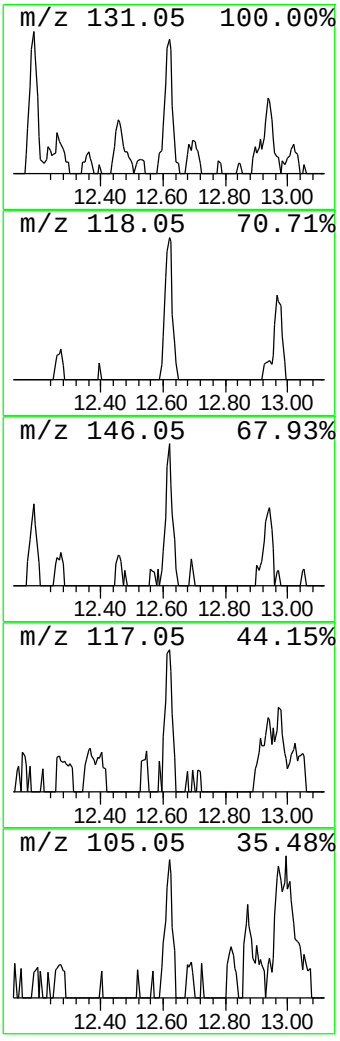
Peak Number 11 Naphthalene, 1,2,3,4-tetrah... Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.62	2.74 ng	29066	Naphthalene-d8	11.10

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1,2,3,4-tetrahydro-...	146	C11H14	002809-64-5	97
2	Naphthalene, 1,2,3,4-tetrahydro-...	146	C11H14	001680-51-9	96
3	2,3,4,5,6,7-Hexahydro-1H-cyclope...	146	C11H14	1000189-31-0	62
4	Benzene, (3-methyl-2-butenyl)-	146	C11H14	004489-84-3	60
5	2-(2-Hydroxyphenyl)buta-1,3-diene	146	C10H10O	038865-47-3	60





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Data File : BG020883.D
Acq On : 12 Feb 2016 8:30
Operator : SJ/UM
Sample : H1408-02
Misc :
ALS Vial : 30 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : DBMW-16

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\8270-BG021116.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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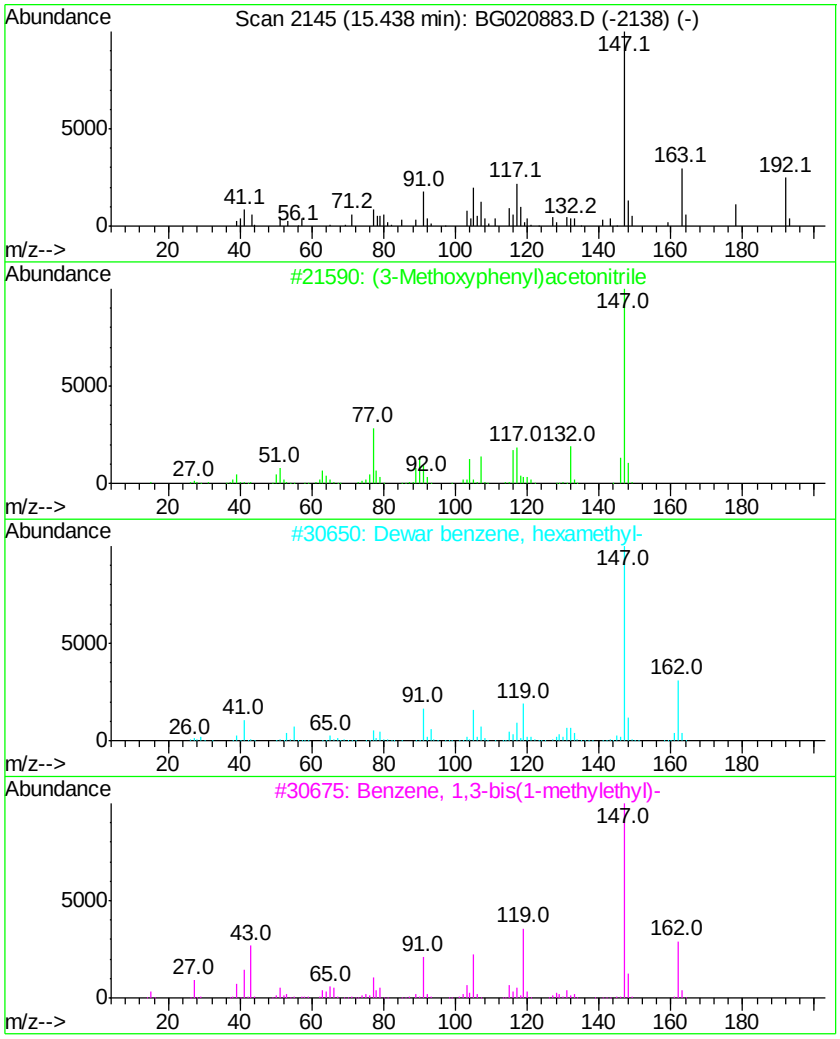
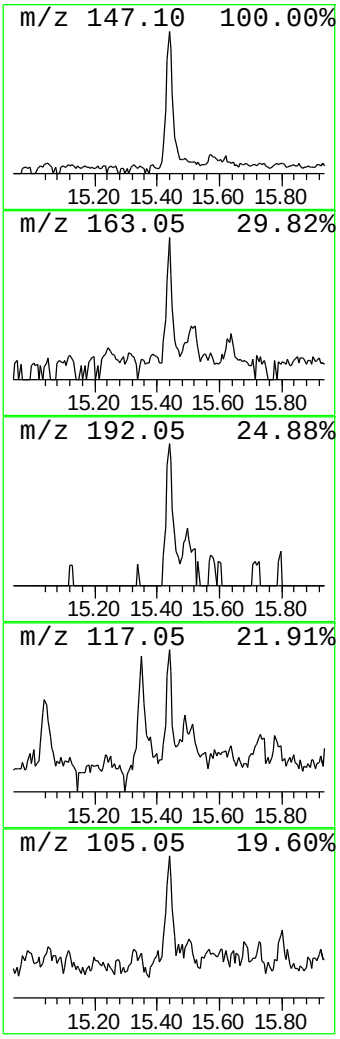
Peak Number 13 unknown15.44 Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.44	2.37 ng	32893	Acenaphthene-d10	14.88

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	(3-Methoxyphenyl)acetonitrile	147	C9H9NO	019924-43-7	49
2	Dewar benzene, hexamethyl-	162	C12H18	007641-77-2	47
3	Benzene, 1,3-bis(1-methylethyl)-	162	C12H18	000099-62-7	43
4	2-Indolizinemethanol	147	C9H9NO	022320-21-4	38
5	2-Carboxycinnamic acid	192	C10H8O4	000612-40-8	38





Library Search Compound Report

Data Path : \\74.0.250.170\SVOASRV\HPCHEM1\BNA G\DATA\BG021116\
Data File : BG020883.D
Acq On : 12 Feb 2016 8:30
Operator : SJ/UM
Sample : H1408-02
Misc :
ALS Vial : 30 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : DBMW-16

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\8270-BG021116.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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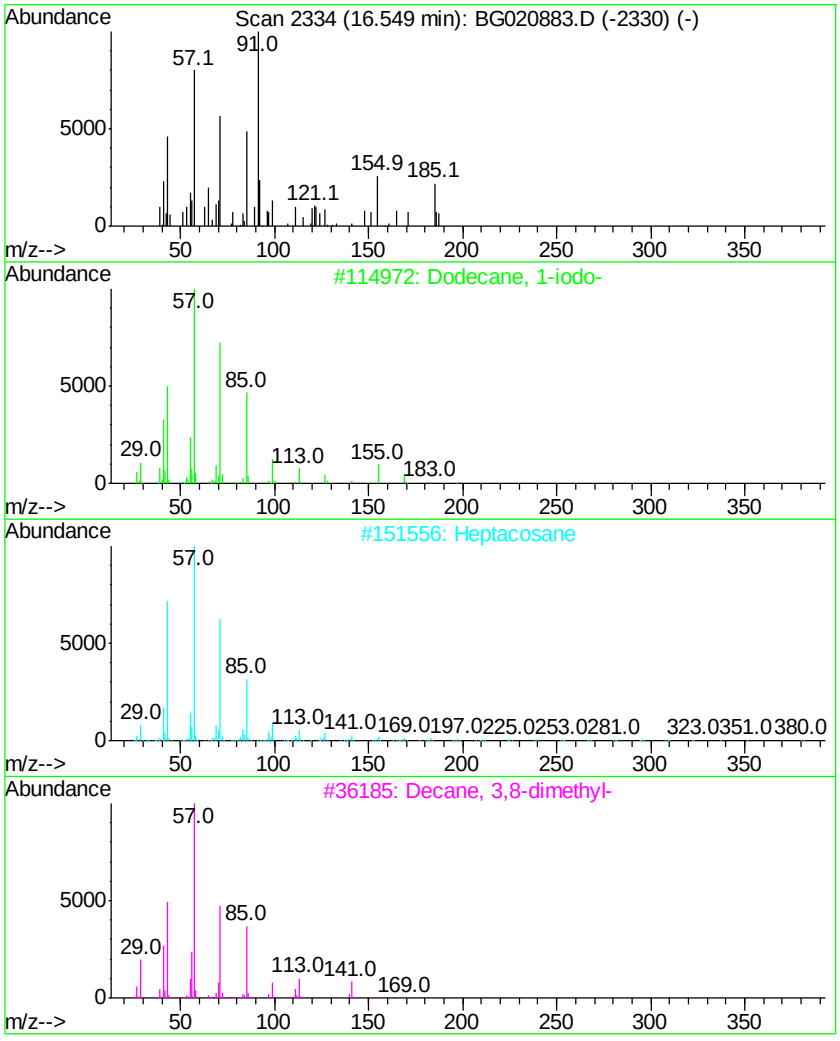
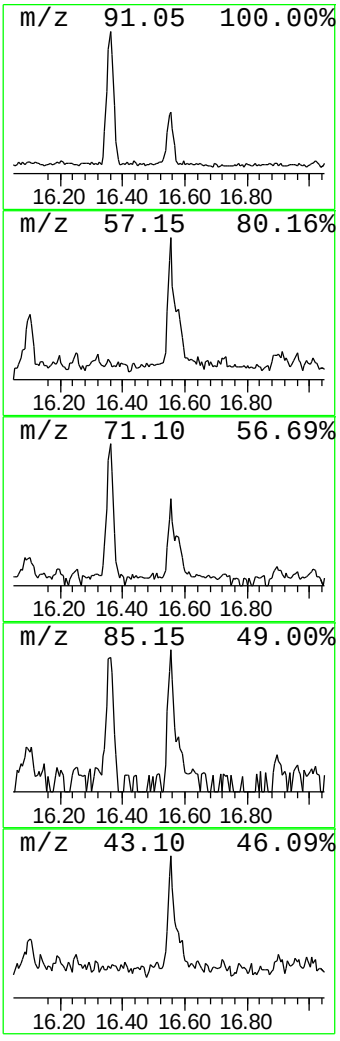
Peak Number 14 Dodecane, 1-iodo- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.55	2.37 ng	34860	Phenanthrene-d10	17.62

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dodecane, 1-iodo-	296	C12H25I	004292-19-7	53
2	Heptacosane	380	C27H56	000593-49-7	50
3	Decane, 3,8-dimethyl-	170	C12H26	017312-55-9	47
4	Tridecane	184	C13H28	000629-50-5	47
5	Heneicosane	296	C21H44	000629-94-7	47





Tentatively Identified Compound (LSC) summary

Data Path : \\74.0.250.170\SVOASRV\HPCHEM1\BNA_G\DATA\BG021116\
Data File : BG020883.D
Acq On : 12 Feb 2016 8:30
Operator : SJ/UM
Sample : H1408-02
Misc :
ALS Vial : 30 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : DBMW-16

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\8270-BG021116.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
Butane, 2-methoxy...	3.33	9.0	ng	43905	1	8.27	97785	20.0
2-Pentanone, 4-hy...	5.32	5.0	ng	24684	1	8.27	97785	20.0
unknown7.80	7.80	96.8	ng	473102	1	8.27	97785	20.0
Benzene, 1,2,4,5-...	9.38	4.9	ng	23926	1	8.27	97785	20.0
unknown10.27	10.27	2.1	ng	22758	2	11.10	212539	20.0
Benzene, 2-etheny...	10.48	3.3	ng	35437	2	11.10	212539	20.0
Bicyclo[4.2.0]oct...	11.20	2.2	ng	23561	2	11.10	212539	20.0
unknown11.98	11.98	2.1	ng	21883	2	11.10	212539	20.0
Naphthalene, 1,2,...	12.62	2.7	ng	29066	2	11.10	212539	20.0
unknown15.44	15.44	2.4	ng	32893	3	14.88	277841	20.0
Dodecane, 1-iodo-	16.55	2.4	ng	34860	4	17.62	294329	20.0