LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG082516\
Data File : BG023900.D
Acq On : 25 Aug 2016 19:11
Operator : UM/SJ
Sample : H4592-03
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : DUPLICATE

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-BG080116.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	5.152	389	394	402	rVB	204579	320785	4.05%	0.761%
2	5.633	467	476	483	rBV	830323	1403083	17.71%	3.329%
3	5.710	483	489	498	rVB3	76011	200048	2.52%	0.475%
4	7.249	739	751	766	rBV	625636	1203153	15.18%	2.855%
5	7.460	782	787	793	rVB2	71921	115179	1.45%	0.273%
6	7.619	805	814	824	rBV	1540142	2699878	34.07%	6.406%
7	7.724	826	832	839	rVB	89569	154295	1.95%	0.366%
8	8.089	880	894	904	rBV	488301	880845	11.12%	2.090%
9	8.412	943	949	955	rVV	1321113	2345761	29.60%	5.566%
10	8.465	955	958	966	rVB	206196	330678	4.17%	0.785%
11	8.576	970	977	982	rBV	50508	80702	1.02%	0.191%
12	8.729	996	1003	1009	rBV8	32516	80787	1.02%	0.192%
13	9.205	1077	1084	1088	rBV3	53458	97757	1.23%	0.232%
14	9.269	1088	1095	1103	rVB2	1319500	2475043	31.23%	5.873%
15	9.728	1168	1173	1178	rBV2	121892	194809	2.46%	0.462%
16	10.156	1241	1246	1257	rVB2	60971	140987	1.78%	0.335%
17	10.303	1263	1271	1280	rBV	284936	550390	6.95%	1.306%
18	10.920	1365	1376	1383	rBV	649796	1316954	16.62%	3.125%
19	12.471	1631	1640	1648	rVB10	28406	81023	1.02%	0.192%
20	12.806	1689	1697	1701	rBV6	56834	112587	1.42%	0.267%
21	13.376	1786	1794	1802	rBV	3359529	5207275	65.71%	12.356%
22	13.511	1811	1817	1822	rBV2	55024	101201	1.28%	0.240%
23	13.728	1843	1854	1861	rBV2	53162	100896	1.27%	0.239%
24	14.204	1930	1935	1939	rBV	197446	286210	3.61%	0.679%
25	14.245	1939	1942	1949	rVB2	59859	103268	1.30%	0.245%
26	14.762	2023	2030	2039	rBV2	1093912	1820682	22.98%	4.320%
27	16.260	2278	2285	2299	rBV	2944322	4560024	57.54%	10.820%
28	17.523	2494	2500	2507	rBV2	1431298	2179251	27.50%	5.171%
29	18.392	2644	2648	2658	rBV4	86696	156823	1.98%	0.372%
30	19.661	2861	2864	2871	rBV5	76645	136933	1.73%	0.325%
31	20.131	2939	2944	2950	rBV	5710405	7924359	100.00%	18.804%
32	21.841	3228	3235	3242	rBV2	1430393	2435965	30.74%	5.780%
33	25.218	3800	3810	3822	rVB	818006	2345207	29.59%	5.565%

LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG082516\
Data File : BG023900.D
Acq On : 25 Aug 2016 19:11
Operator : UM/SJ
Sample : H4592-03
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
DUPLICATE

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-BG080116.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

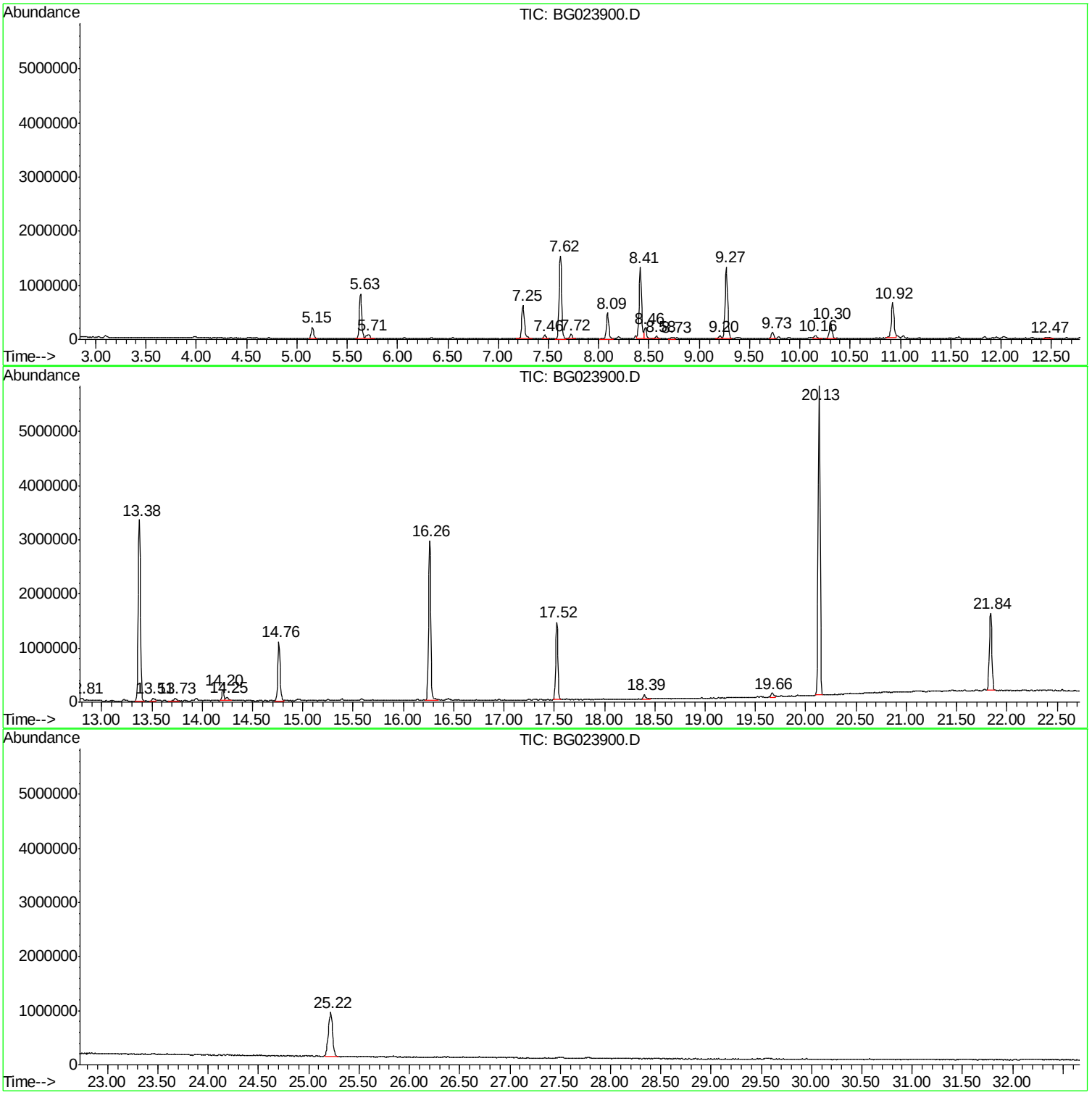
Sum of corrected areas: 42142838

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG082516\
Data File : BG023900.D
Acq On : 25 Aug 2016 19:11
Operator : UM/SJ
Sample : H4592-03
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
DUPLICATE

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\8270-BG080116.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\BG082516\
Data File : BG023900.D
Acq On : 25 Aug 2016 19:11
Operator : UM/SJ
Sample : H4592-03
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : DUPLICATE

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\8270-BG080116.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

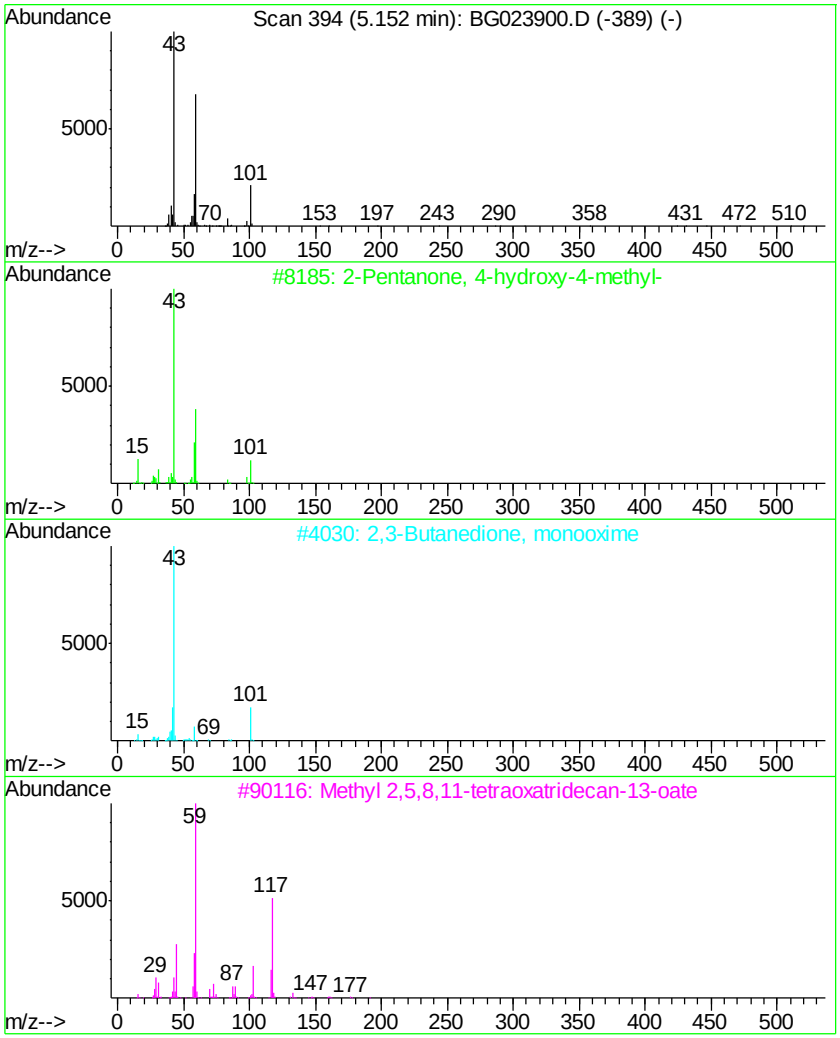
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

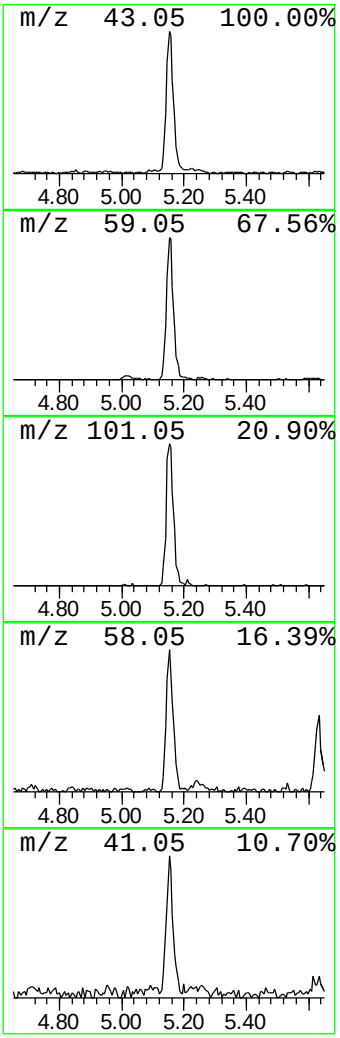
****

Peak Number 1 2-Pentanone, 4-hydroxy-4-me... Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.15	7.28 ng	320785	1,4-Dichlorobenzene-d4	8.09

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	64
2	2,3-Butanedione, monooxime	101	C4H7NO2	000057-71-6	25
3	Methyl 2,5,8,11-tetraoxatridecan...	236	C10H20O6	1000366-78-2	17
4	Acetic acid, cyano-, 1,1-dimethy...	141	C7H11NO2	001116-98-9	12
5	2-Propanol, 2-methyl-	74	C4H10O	000075-65-0	12





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG082516\
Data File : BG023900.D
Acq On : 25 Aug 2016 19:11
Operator : UM/SJ
Sample : H4592-03
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : DUPLICATE

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\8270-BG080116.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

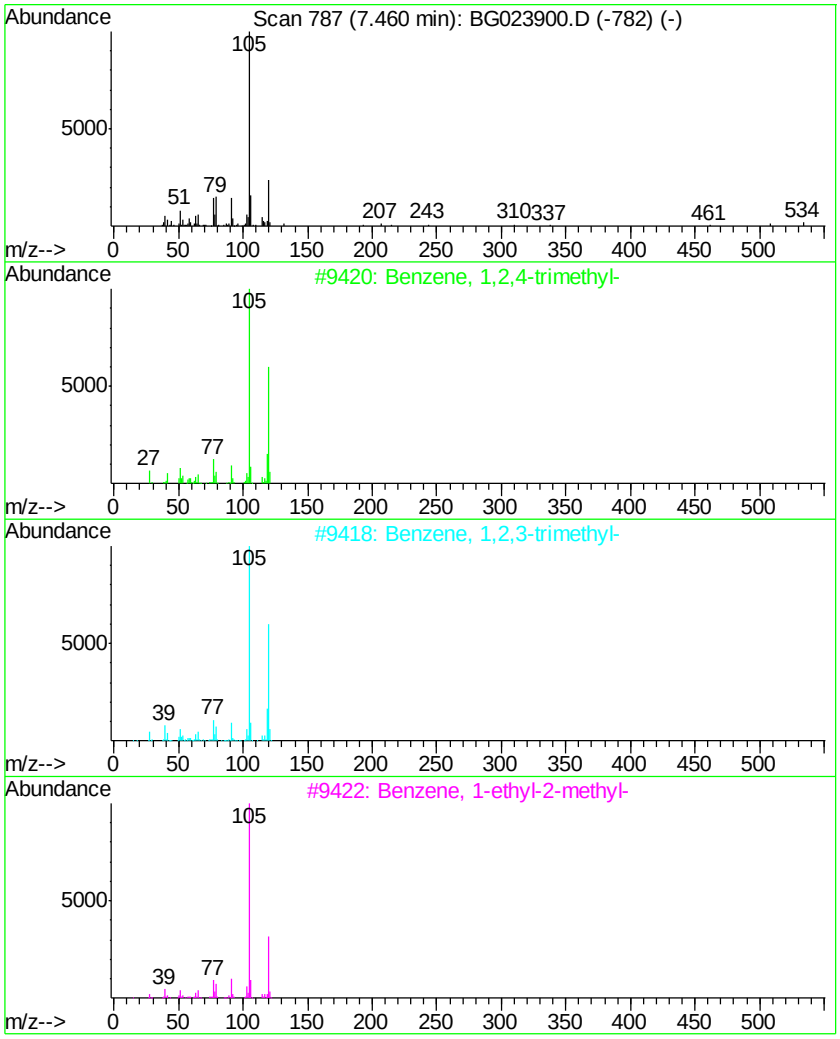
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

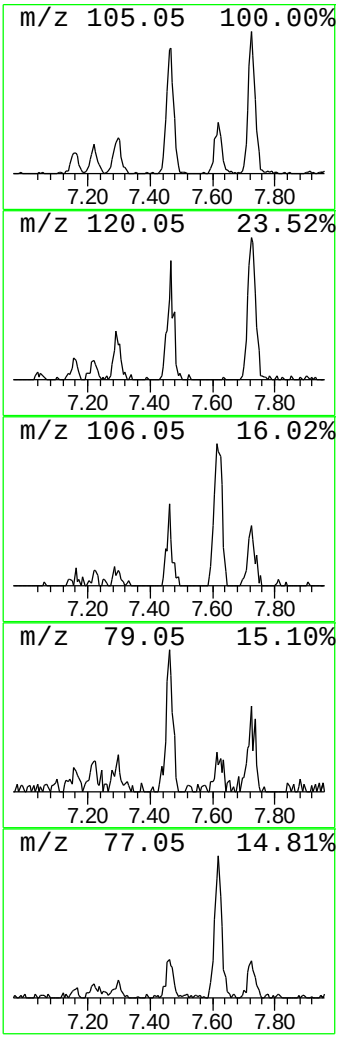
****

Peak Number 3 Benzene, 1,2,4-trimethyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.46	2.62 ng	115179	1,4-Dichlorobenzene-d4	8.09

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1,2,4-trimethyl-	120	C9H12	000095-63-6	90
2	Benzene, 1,2,3-trimethyl-	120	C9H12	000526-73-8	90
3	Benzene, 1-ethyl-2-methyl-	120	C9H12	000611-14-3	87
4	Benzene, 1-ethyl-4-methyl-	120	C9H12	000622-96-8	87
5	Mesitylene	120	C9H12	000108-67-8	87





Data Path : Z:\HPCHEM1\BNA_G\DATA\BG082516\
Data File : BG023900.D
Acq On : 25 Aug 2016 19:11
Operator : UM/SJ
Sample : H4592-03
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : DUPLICATE

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\8270-BG080116.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

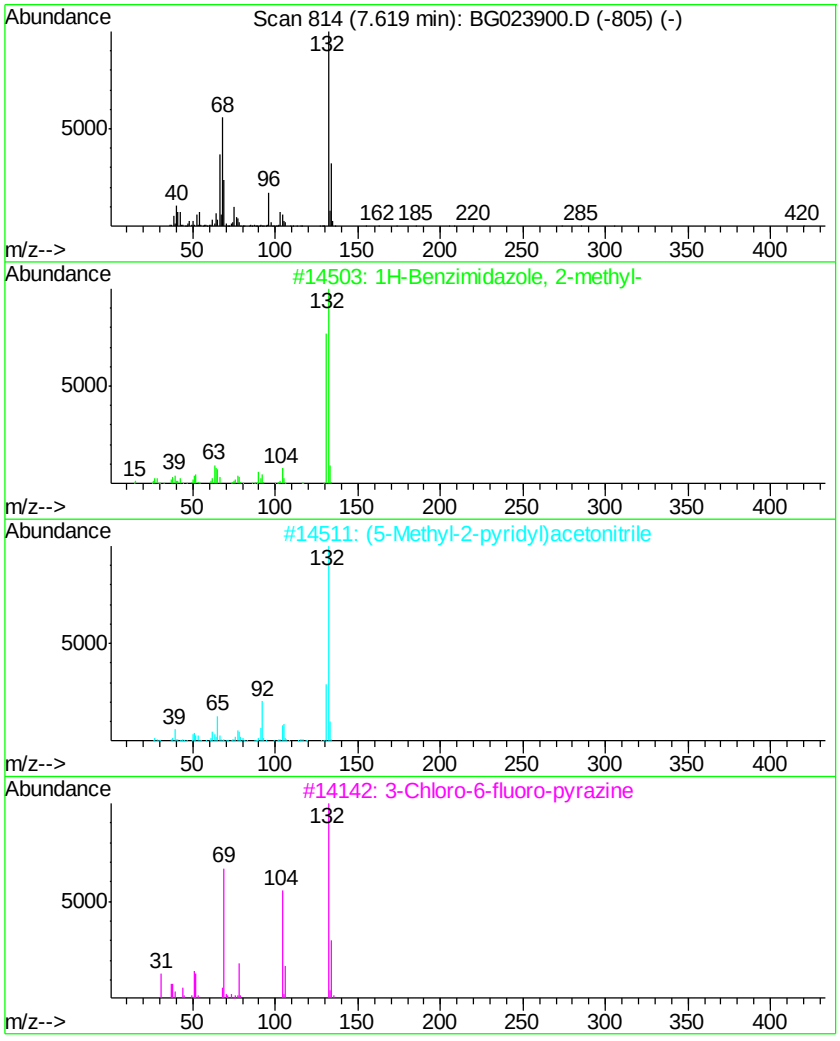
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

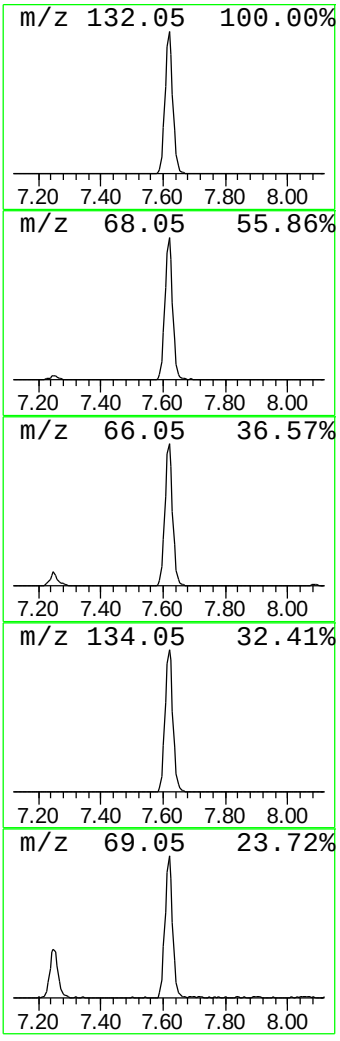
****

Peak Number 4 unknown7.62 Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.62	61.30 ng	2699880	1,4-Dichlorobenzene-d4	8.09

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1H-Benzimidazole, 2-methyl-	132	C8H8N2	000615-15-6	22
2	(5-Methyl-2-pyridyl)acetonitrile	132	C8H8N2	1000241-93-9	22
3	3-Chloro-6-fluoro-pyrazine	132	C4H2ClFN2	1000146-10-7	16
4	1,3-Cyclopentanedione, 2-chloro-	132	C5H5ClO2	014203-19-1	13
5	5-Fluoro-2-chloropyrimidine	132	C4H2ClFN2	062802-42-0	12





Data Path : Z:\HPCHEM1\BNA_G\DATA\BG082516\
Data File : BG023900.D
Acq On : 25 Aug 2016 19:11
Operator : UM/SJ
Sample : H4592-03
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : DUPLICATE

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\8270-BG080116.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

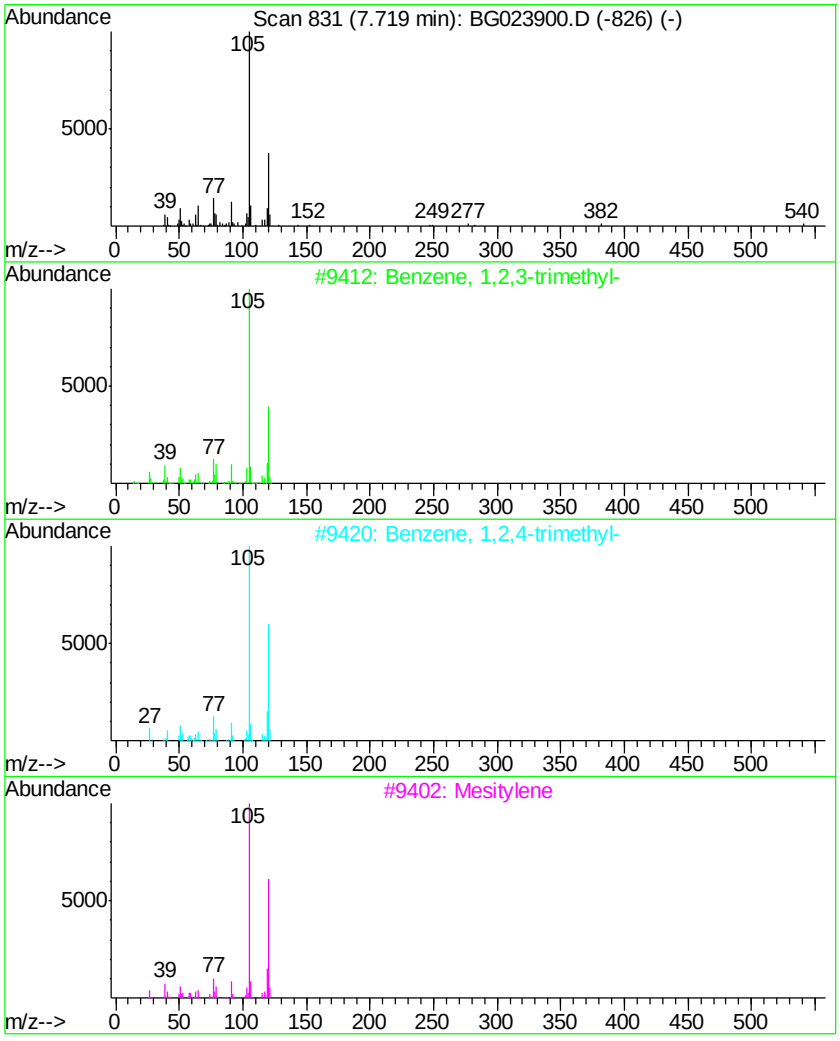
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

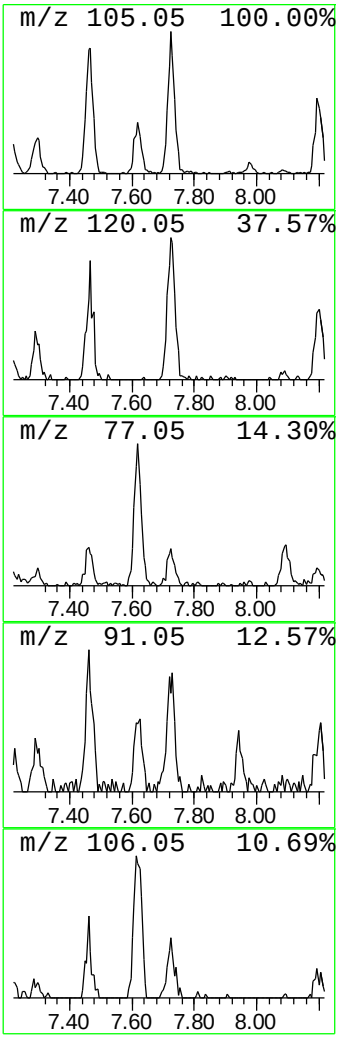
****

Peak Number 5 Benzene, 1,2,3-trimethyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.72	3.50 ng	154295	1,4-Dichlorobenzene-d4	8.09

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1,2,3-trimethyl-	120	C9H12	000526-73-8	93
2	Benzene, 1,2,4-trimethyl-	120	C9H12	000095-63-6	81
3	Mesitylene	120	C9H12	000108-67-8	81
4	Benzene, 1-ethyl-4-methyl-	120	C9H12	000622-96-8	70
5	Benzene, 1-ethyl-2-methyl-	120	C9H12	000611-14-3	70





Data Path : Z:\HPCHEM1\BNA_G\DATA\BG082516\
Data File : BG023900.D
Acq On : 25 Aug 2016 19:11
Operator : UM/SJ
Sample : H4592-03
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : DUPLICATE

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\8270-BG080116.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

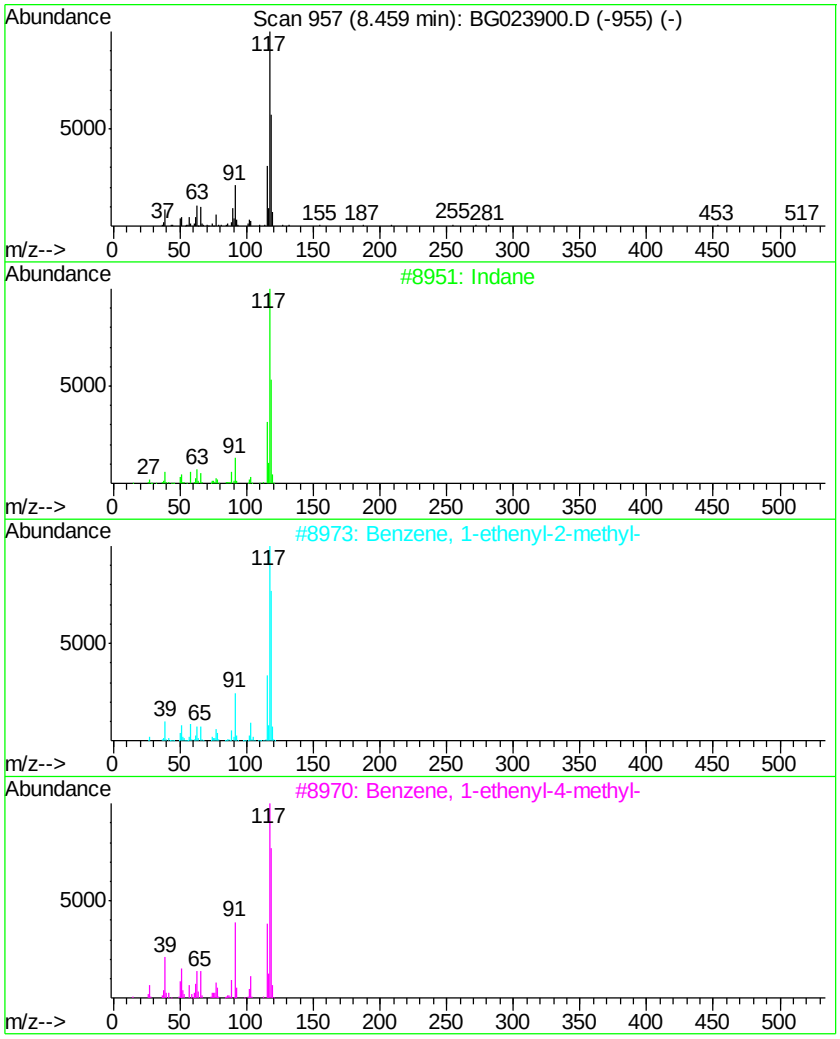
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

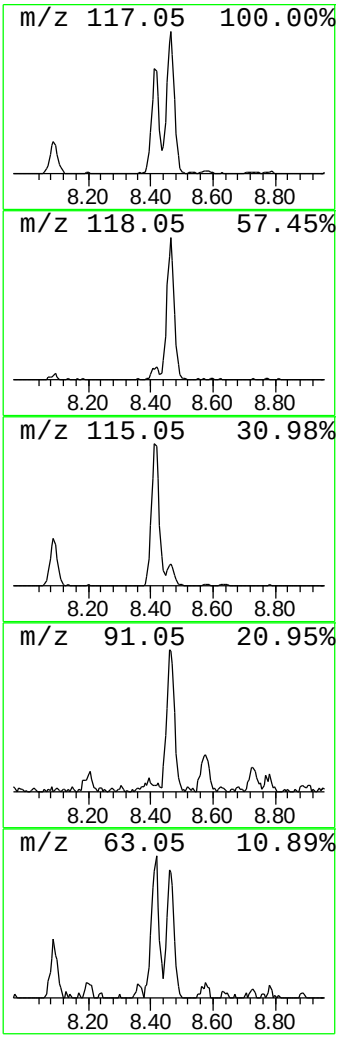
****

Peak Number 7 Indane Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.46	7.51 ng	330678	1,4-Dichlorobenzene-d4	8.09

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Indane	118	C9H10	000496-11-7	81
2	Benzene, 1-ethenyl-2-methyl-	118	C9H10	000611-15-4	68
3	Benzene, 1-ethenyl-4-methyl-	118	C9H10	000622-97-9	64
4	Benzene, cyclopropyl-	118	C9H10	000873-49-4	64
5	(Z)-1-Phenylpropene	118	C9H10	000766-90-5	64





Data Path : Z:\HPCHEM1\BNA_G\DATA\BG082516\
Data File : BG023900.D
Acq On : 25 Aug 2016 19:11
Operator : UM/SJ
Sample : H4592-03
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : DUPLICATE

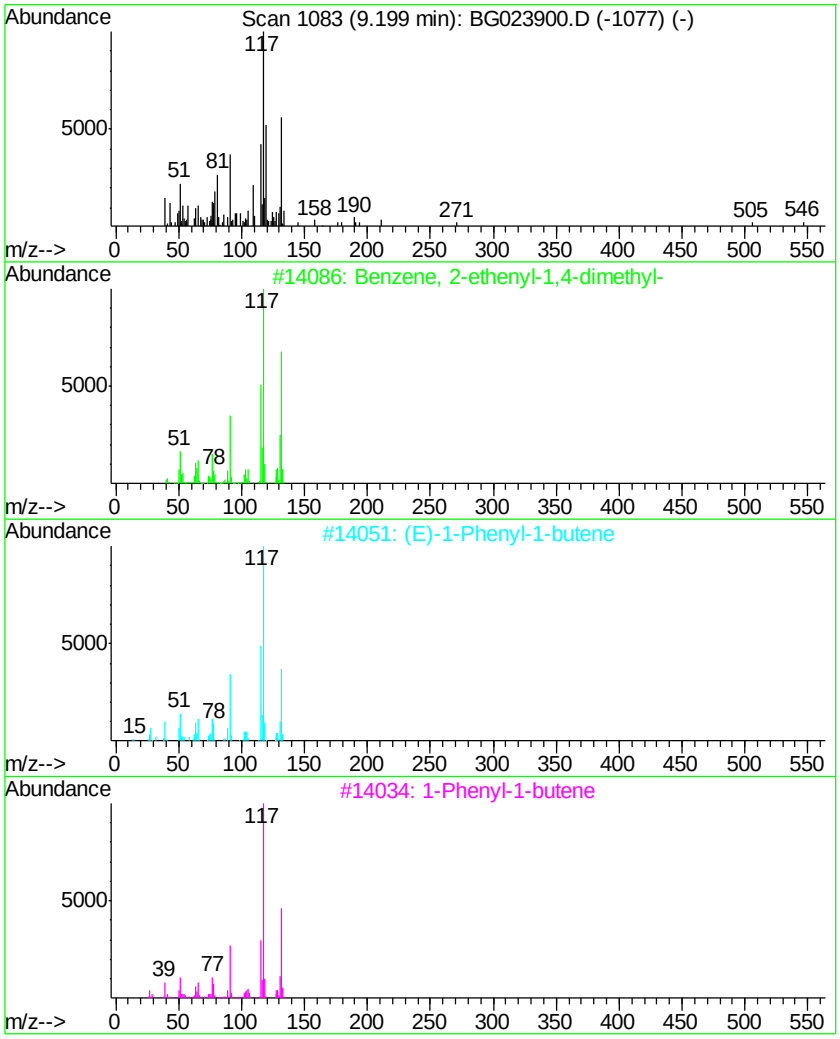
Quant Method : Z:\HPCHEM1\BNA_G\METHODS\8270-BG080116.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

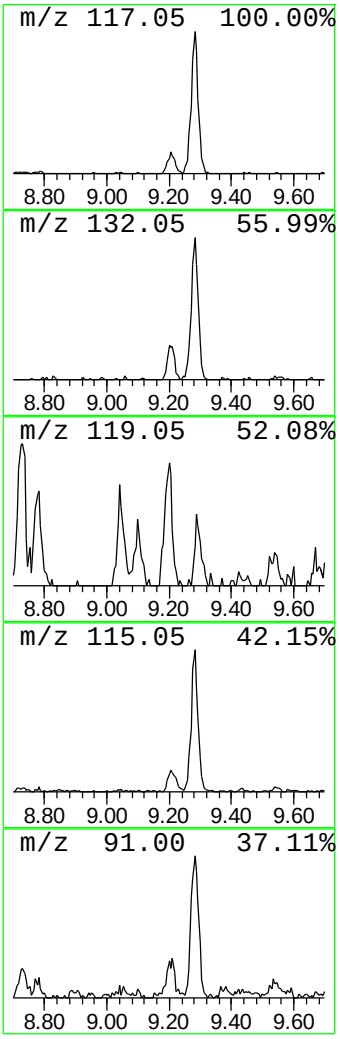
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 8 Benzene, 2-ethenyl-1,4-dime... Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.20	2.22 ng	97757	1,4-Dichlorobenzene-d4	8.09

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 2-ethenyl-1,4-dimethyl-	132	C10H12	002039-89-6	64
2	(E)-1-Phenyl-1-butene	132	C10H12	001005-64-7	64
3	1-Phenyl-1-butene	132	C10H12	000824-90-8	64
4	Benzene, (1-methyl-1-propenyl)-,...	132	C10H12	000767-99-7	64
5	Benzene, 1-ethenyl-3-ethyl-	132	C10H12	007525-62-4	58





Data Path : Z:\HPCHEM1\BNA_G\DATA\BG082516\
Data File : BG023900.D
Acq On : 25 Aug 2016 19:11
Operator : UM/SJ
Sample : H4592-03
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : DUPLICATE

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\8270-BG080116.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

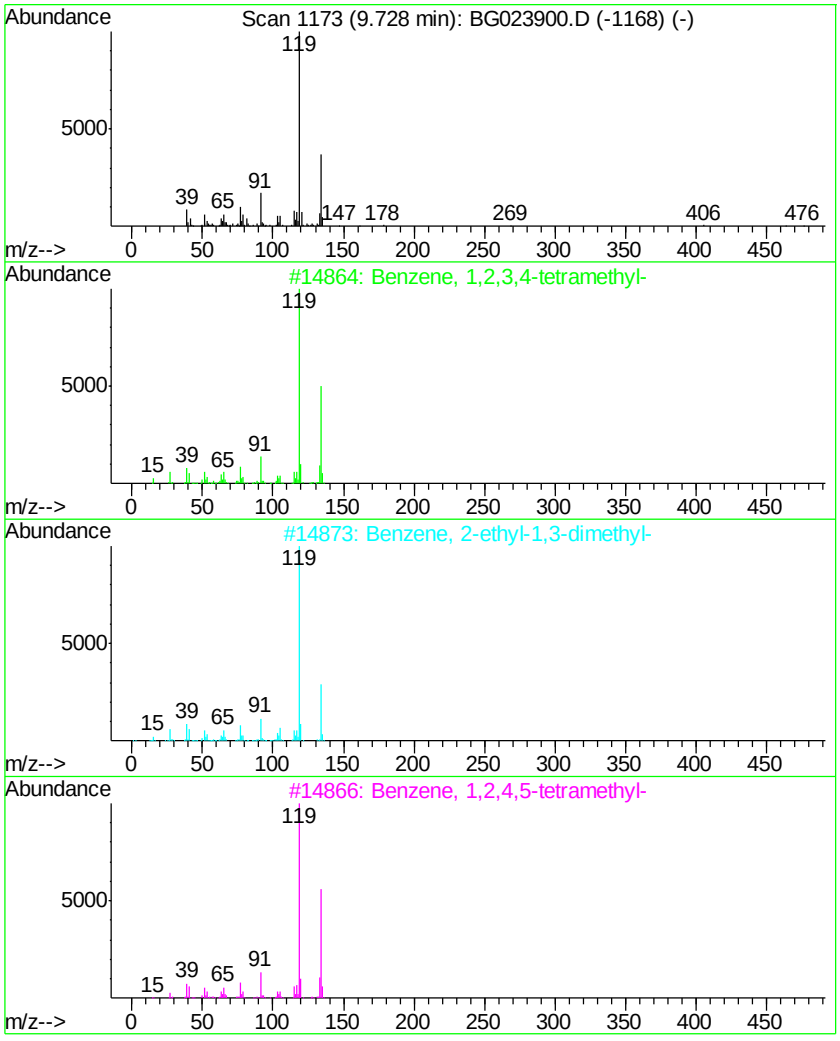
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

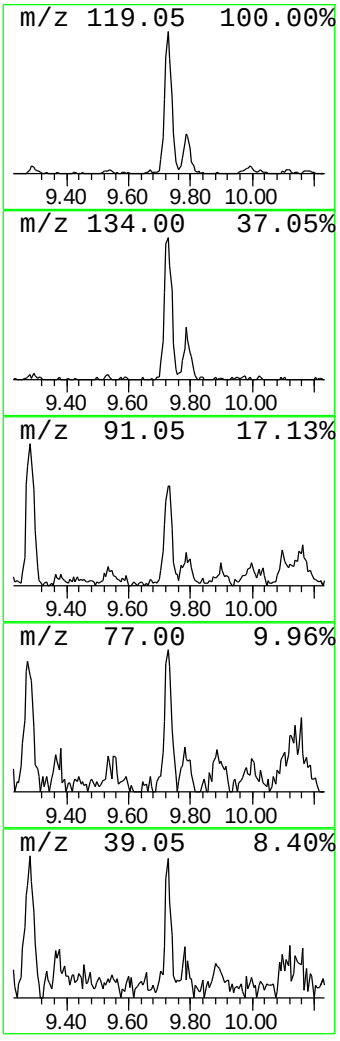
****

Peak Number 9 Benzene, 1,2,3,4-tetramethyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.73	2.96 ng	194809	Naphthalene-d8	10.92

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1,2,3,4-tetramethyl-	134	C10H14	000488-23-3	95
2	Benzene, 2-ethyl-1,3-dimethyl-	134	C10H14	002870-04-4	94
3	Benzene, 1,2,4,5-tetramethyl-	134	C10H14	000095-93-2	94
4	1,3-Cyclopentadiene, 1,2,3,4-tet...	134	C10H14	076089-59-3	93
5	Benzene, 1,2,3,5-tetramethyl-	134	C10H14	000527-53-7	91





Data Path : Z:\HPCHEM1\BNA_G\DATA\BG082516\
Data File : BG023900.D
Acq On : 25 Aug 2016 19:11
Operator : UM/SJ
Sample : H4592-03
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : DUPLICATE

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\8270-BG080116.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

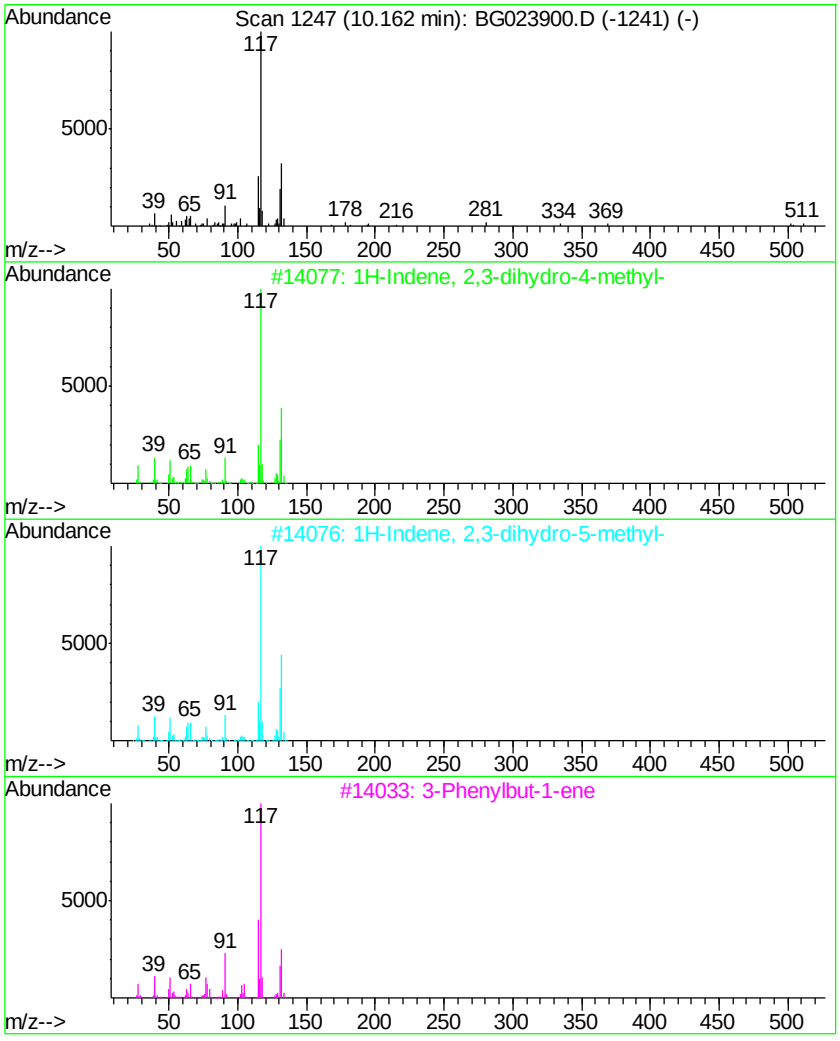
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

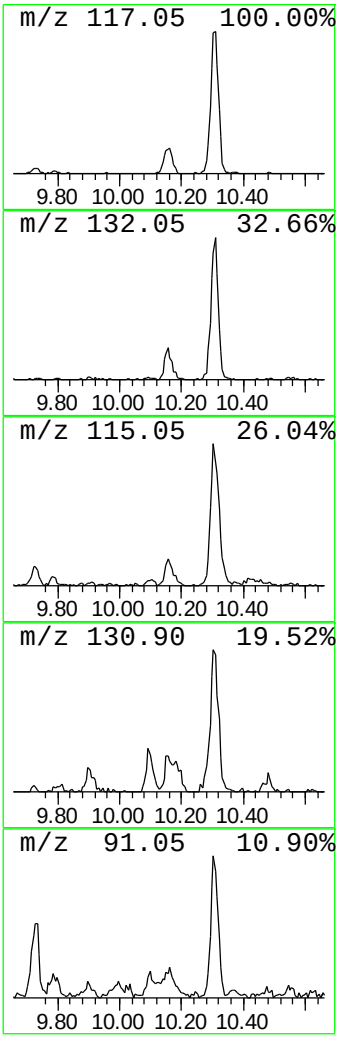
****

Peak Number 10 1H-Indene, 2,3-dihydro-4-me... Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.16	2.14 ng	140987	Naphthalene-d8	10.92

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1H-Indene, 2,3-dihydro-4-methyl-	132	C10H12	000824-22-6	91
2	1H-Indene, 2,3-dihydro-5-methyl-	132	C10H12	000874-35-1	90
3	3-Phenylbut-1-ene	132	C10H12	000934-10-1	90
4	(E)-1-Phenyl-1-butene	132	C10H12	001005-64-7	87
5	Benzene, (1-methyl-1-propenyl)-,...	132	C10H12	000767-99-7	87





Data Path : Z:\HPCHEM1\BNA_G\DATA\BG082516\
Data File : BG023900.D
Acq On : 25 Aug 2016 19:11
Operator : UM/SJ
Sample : H4592-03
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : DUPLICATE

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\8270-BG080116.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

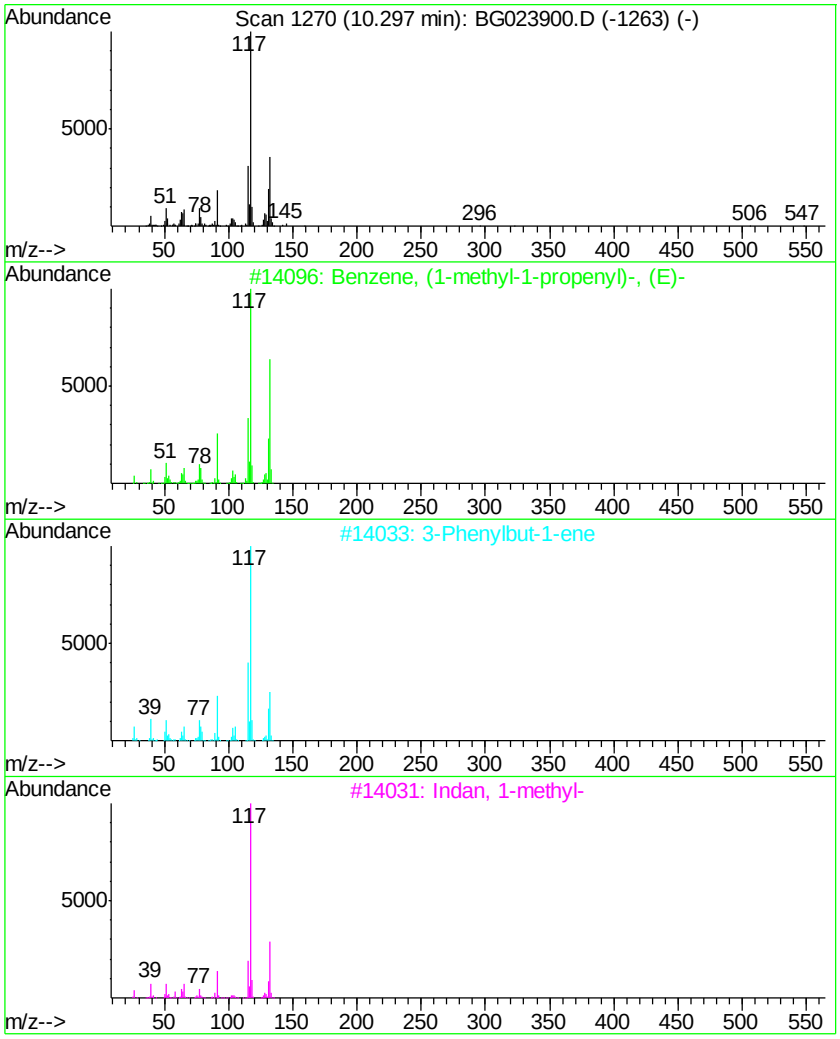
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

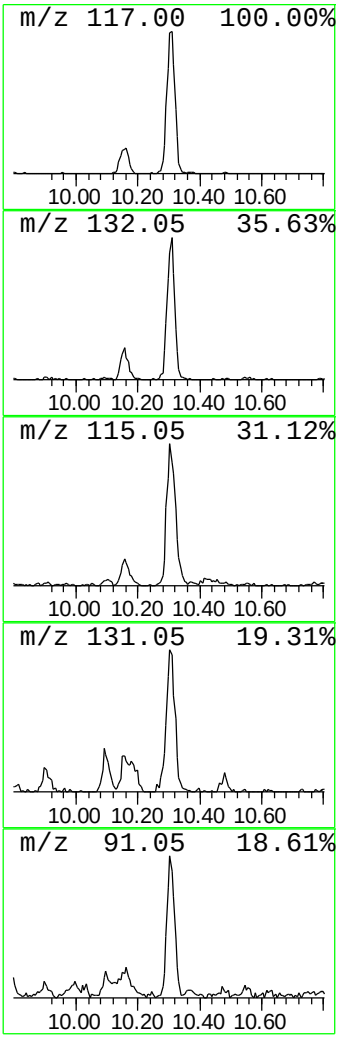
****

Peak Number 11 Benzene, (1-methyl-1-propen... Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.30	8.36 ng	550390	Naphthalene-d8	10.92

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, (1-methyl-1-propenyl)-,...	132	C10H12	000768-00-3	91
2	3-Phenylbut-1-ene	132	C10H12	000934-10-1	91
3	Indan, 1-methyl-	132	C10H12	000767-58-8	91
4	1H-Indene, 2,3-dihydro-4-methyl-	132	C10H12	000824-22-6	91
5	1H-Indene, 2,3-dihydro-5-methyl-	132	C10H12	000874-35-1	90





Tentatively Identified Compound (LSC) summary

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG082516\
Data File : BG023900.D
Acq On : 25 Aug 2016 19:11
Operator : UM/SJ
Sample : H4592-03
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : DUPLICATE

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\8270-BG080116.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
2-Pentanone, 4-hy...	5.15	7.3	ng	320785	1	8.09	880845	20.0
Benzene, 1,2,4-tr...	7.46	2.6	ng	115179	1	8.09	880845	20.0
unknown7.62	7.62	61.3	ng	2699880	1	8.09	880845	20.0
Benzene, 1,2,3-tr...	7.72	3.5	ng	154295	1	8.09	880845	20.0
Indane	8.46	7.5	ng	330678	1	8.09	880845	20.0
Benzene, 2-etheny...	9.20	2.2	ng	97757	1	8.09	880845	20.0
Benzene, 1,2,3,4-...	9.73	3.0	ng	194809	2	10.92	1316950	20.0
1H-Indene, 2,3-di...	10.16	2.1	ng	140987	2	10.92	1316950	20.0
Benzene, (1-methy...	10.30	8.4	ng	550390	2	10.92	1316950	20.0