LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG122217\
Data File : BG031727.D
Acq On : 23 Dec 2017 1:03
Operator : SJ/JU
Sample : I7004-06
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : PR-MW-5-121817

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	3.446	17	27	39	rBV2	83467	196995	1.57%	0.345%
2	4.716	236	243	257	rBV	473974	844284	6.72%	1.479%
3	6.190	483	494	500	rBV	2792597	5117567	40.74%	8.962%
4	6.249	500	504	510	rVV	270947	464363	3.70%	0.813%
5	6.337	510	519	537	rVB	4265754	12561495	100.00%	21.999%
6	7.236	664	672	684	rBV	514394	872086	6.94%	1.527%
7	7.753	752	760	767	rBV	433390	736552	5.86%	1.290%
8	7.865	770	779	784	rVV	537224	935252	7.45%	1.638%
9	7.929	784	790	797	rVV2	607966	1183419	9.42%	2.072%
10	8.006	797	803	815	rVB	698458	1179982	9.39%	2.066%
11	8.182	821	833	841	rVB	78650	146996	1.17%	0.257%
12	8.335	850	859	867	rBV	552553	1030329	8.20%	1.804%
13	8.458	867	880	891	rVB	2529447	4611010	36.71%	8.075%
14	8.828	933	943	954	rBV2	142502	318893	2.54%	0.558%
15	8.940	954	962	970	rBV	605617	1113778	8.87%	1.951%
16	9.163	992	1000	1004	rBV	574299	1075665	8.56%	1.884%
17	9.216	1004	1009	1021	rVB	710231	1336774	10.64%	2.341%
18	9.322	1021	1027	1032	rBV2	80650	137696	1.10%	0.241%
19	9.381	1032	1037	1045	rVB2	106340	190088	1.51%	0.333%
20	9.475	1046	1053	1059	rBV3	234054	441136	3.51%	0.773%
21	9.798	1101	1108	1113	rVV	146990	264459	2.11%	0.463%
22	9.857	1113	1118	1125	rVB	121194	222147	1.77%	0.389%
23	9.957	1127	1135	1141	rBV2	270074	519452	4.14%	0.910%
24	10.027	1141	1147	1160	rVB2	414979	1001909	7.98%	1.755%
25	10.491	1220	1226	1232	rBV	173214	313009	2.49%	0.548%
26	10.556	1232	1237	1244	rVB	266831	454539	3.62%	0.796%
27	10.932	1295	1301	1312	rVB	121321	239943	1.91%	0.420%
28	11.090	1320	1328	1334	rBV	420104	800476	6.37%	1.402%
29	11.331	1363	1369	1375	rBV	149728	280338	2.23%	0.491%
30	11.713	1420	1434	1437	rBV2	198221	458743	3.65%	0.803%
31	11.766	1437	1443	1459	rVB	1222766	2420370	19.27%	4.239%
32	12.865	1624	1630	1639	rVB	71198	130056	1.04%	0.228%
33	13.323	1701	1708	1715	rBV	441440	757207	6.03%	1.326%
34	13.535	1735	1744	1750	rVV	473808	937511	7.46%	1.642%

LSC Area Percent Report

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Data File : BG031727.D
Acq On : 23 Dec 2017 1:03
Operator : SJ/JU
Sample : I7004-06
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : PR-MW-5-121817

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

35	14.087	1830	1838	1845	rBV	1637311	2642168	21.03%	4.627%
36	14.627	1919	1930	1939	rBV3	94306	260995	2.08%	0.457%
37	14.780	1948	1956	1960	rBV	110213	222104	1.77%	0.389%
38	14.833	1960	1965	1971	rVB3	93338	163248	1.30%	0.286%
39	15.033	1991	1999	2006	rVB4	63590	167076	1.33%	0.293%
40	15.456	2066	2071	2080	rVB2	355687	589284	4.69%	1.032%
41	16.931	2315	2322	2332	rBV	1414547	2238447	17.82%	3.920%
42	18.194	2529	2537	2543	rBV2	524463	821191	6.54%	1.438%
43	20.726	2962	2968	2977	rBV	3316247	4641630	36.95%	8.129%
44	22.554	3272	3279	3288	rVB2	523634	1001715	7.97%	1.754%
45	26.337	3910	3923	3935	rBV3	315681	1058934	8.43%	1.854%

Sum of corrected areas: 57101311

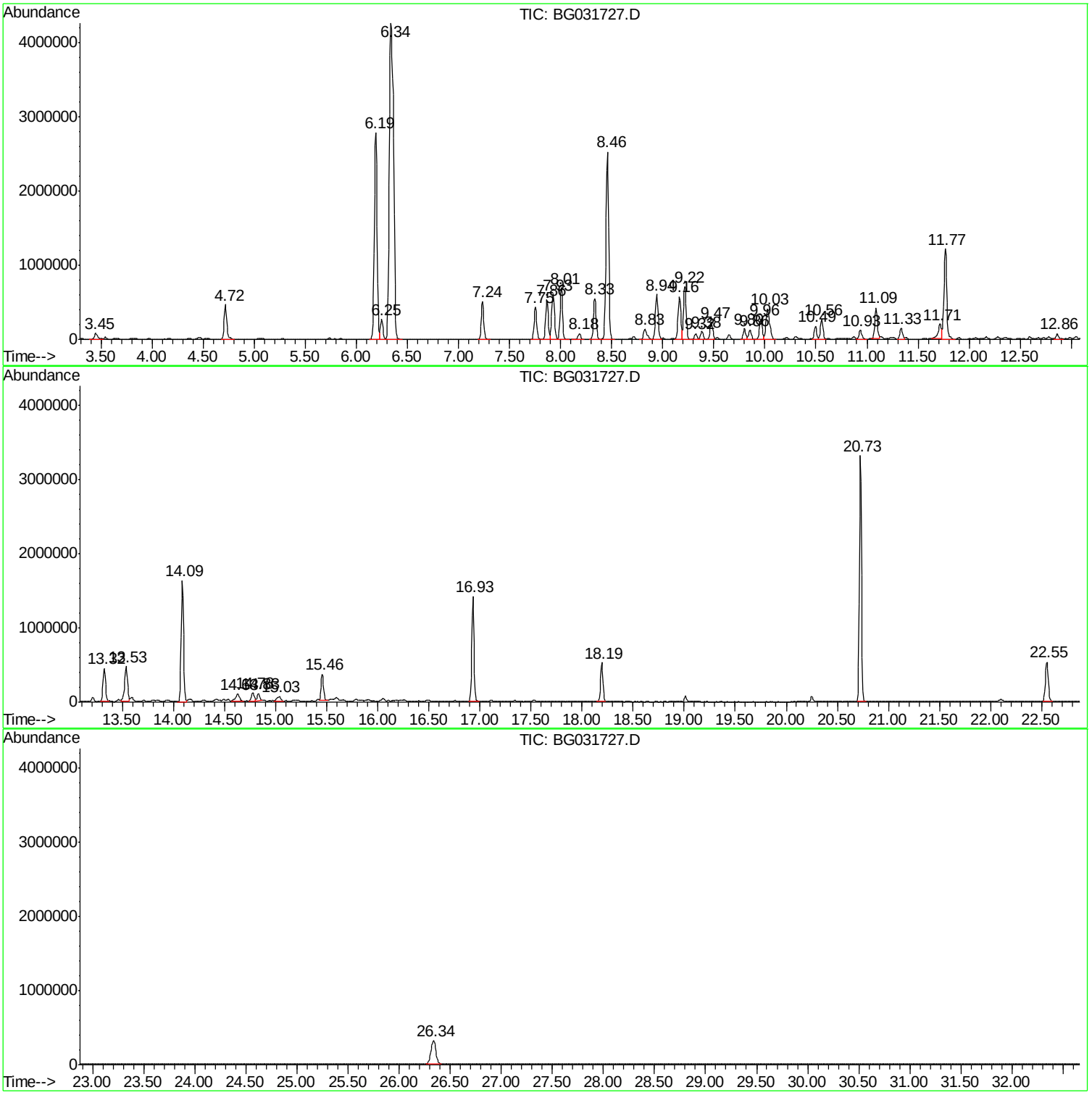
LSC Report - Integrated Chromatogram

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG122217\
Data File : BG031727.D
Acq On : 23 Dec 2017 1:03
Operator : SJ/JU
Sample : I7004-06
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : PR-MW-5-121817

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\BG122217\
Data File : BG031727.D
Acq On : 23 Dec 2017 1:03
Operator : SJ/JU
Sample : I7004-06
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : PR-MW-5-121817

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

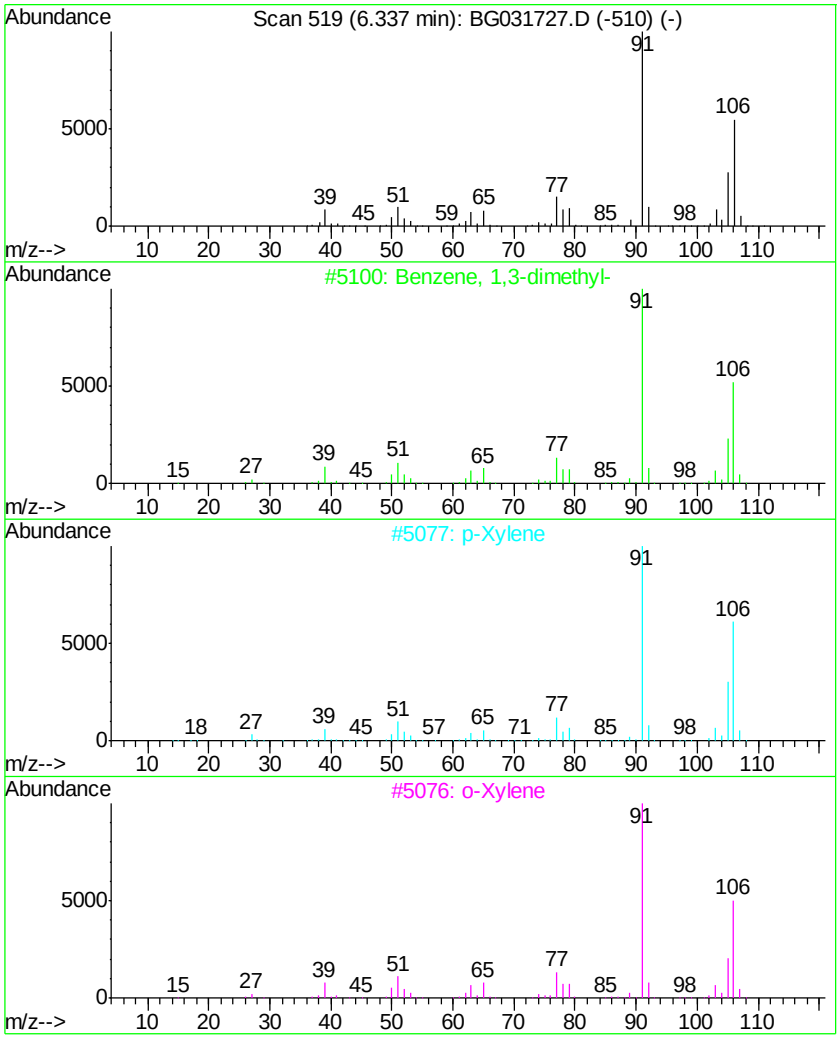
TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

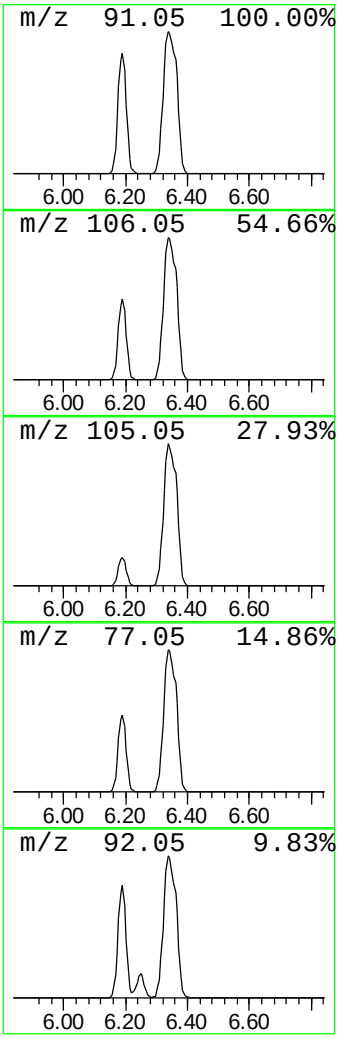
****

Peak Number 2 Benzene, 1,3-dimethyl- Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.34	787.82 ng	12561500	1,4-Dichlorobenzene-d4	8.83

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1,3-dimethyl-	106	C8H10	000108-38-3	97
2	p-Xylene	106	C8H10	000106-42-3	97
3	o-Xylene	106	C8H10	000095-47-6	95
4	1,3-Cyclopentadiene, 5-(1-methyl...	106	C8H10	002175-91-9	90
5	Cyclopentene, 1-ethenyl-3-methyl...	106	C8H10	061142-07-2	87





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG122217\
Data File : BG031727.D
Acq On : 23 Dec 2017 1:03
Operator : SJ/JU
Sample : I7004-06
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : PR-MW-5-121817

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

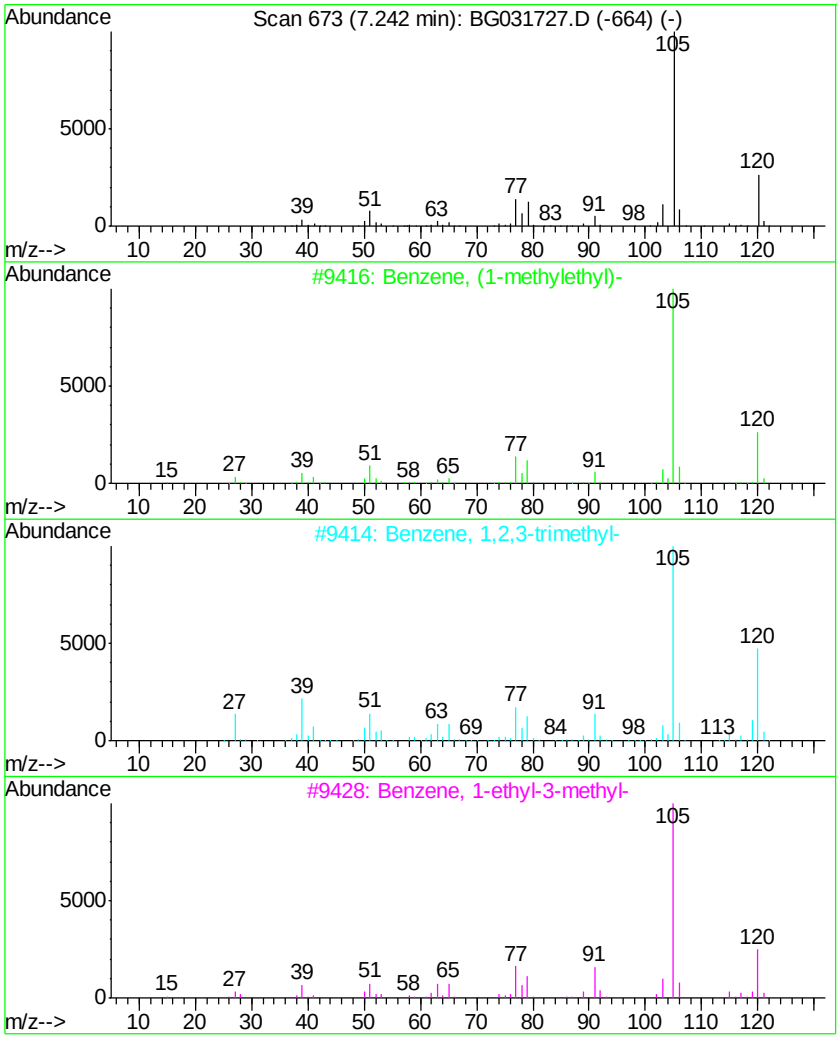
TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

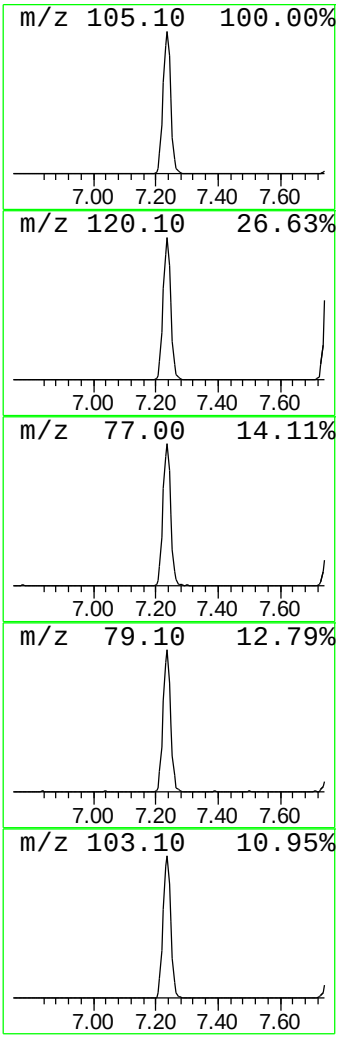
****

Peak Number 3 Benzene, (1-methylethyl)- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.24	54.69 ng	872086	1,4-Dichlorobenzene-d4	8.83

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, (1-methylethyl)-	120	C9H12	000098-82-8	94
2	Benzene, 1,2,3-trimethyl-	120	C9H12	000526-73-8	91
3	Benzene, 1-ethyl-3-methyl-	120	C9H12	000620-14-4	86
4	Benzene, 1-ethyl-4-methyl-	120	C9H12	000622-96-8	86
5	Mesitylene	120	C9H12	000108-67-8	83





Data Path : Z:\HPCHEM1\BNA_G\DATA\BG122217\
Data File : BG031727.D
Acq On : 23 Dec 2017 1:03
Operator : SJ/JU
Sample : I7004-06
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : PR-MW-5-121817

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

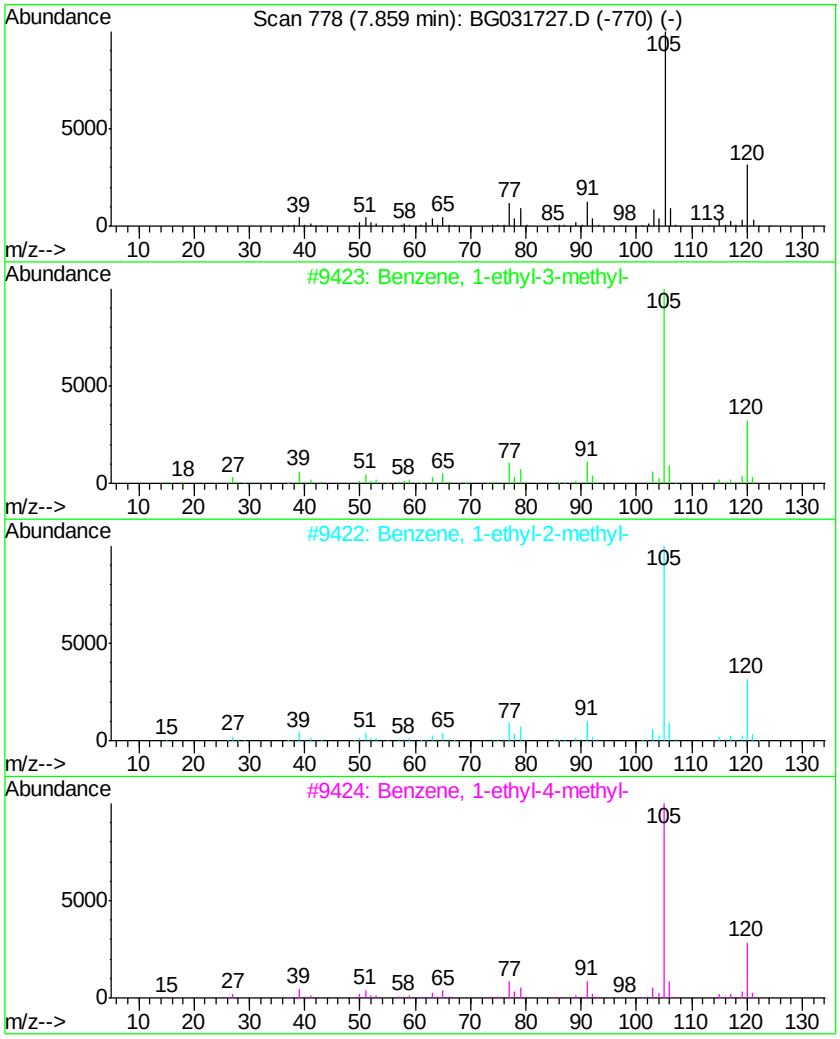
TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

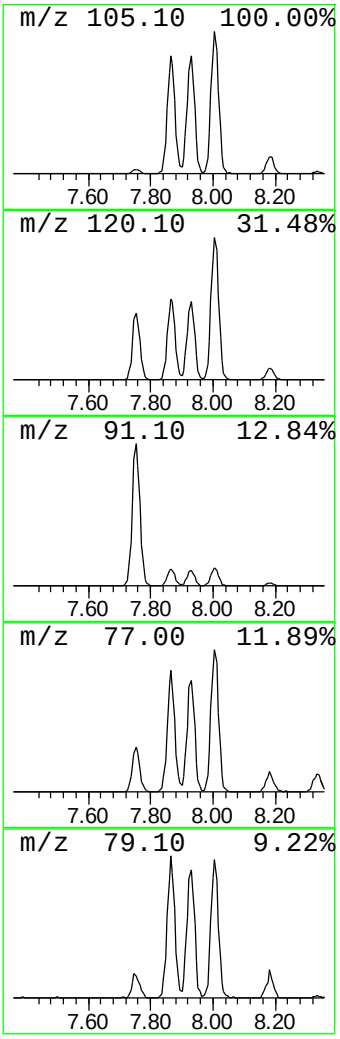
****

Peak Number 4 Benzene, 1-ethyl-3-methyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.86	58.66 ng	935252	1,4-Dichlorobenzene-d4	8.83

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-ethyl-3-methyl-	120	C9H12	000620-14-4	97
2	Benzene, 1-ethyl-2-methyl-	120	C9H12	000611-14-3	95
3	Benzene, 1-ethyl-4-methyl-	120	C9H12	000622-96-8	91
4	Mesitylene	120	C9H12	000108-67-8	91
5	Benzene, 1,2,3-trimethyl-	120	C9H12	000526-73-8	90





Data Path : Z:\HPCHEM1\BNA_G\DATA\BG122217\
Data File : BG031727.D
Acq On : 23 Dec 2017 1:03
Operator : SJ/JU
Sample : I7004-06
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : PR-MW-5-121817

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

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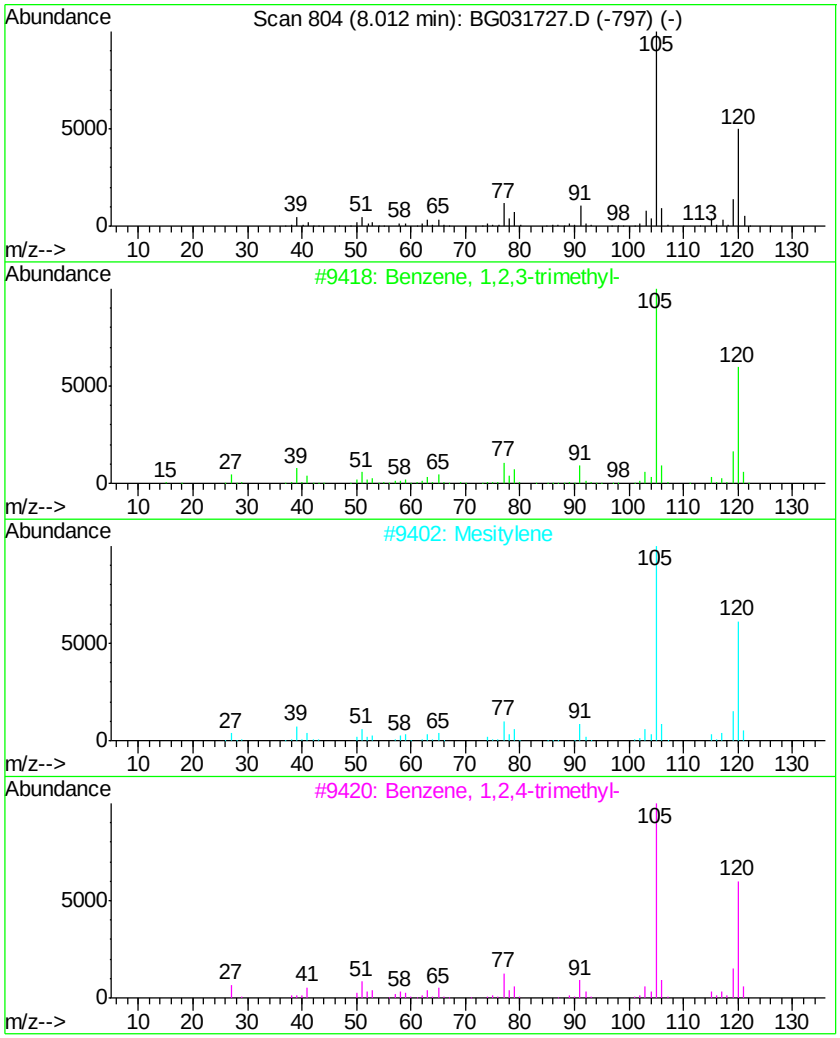
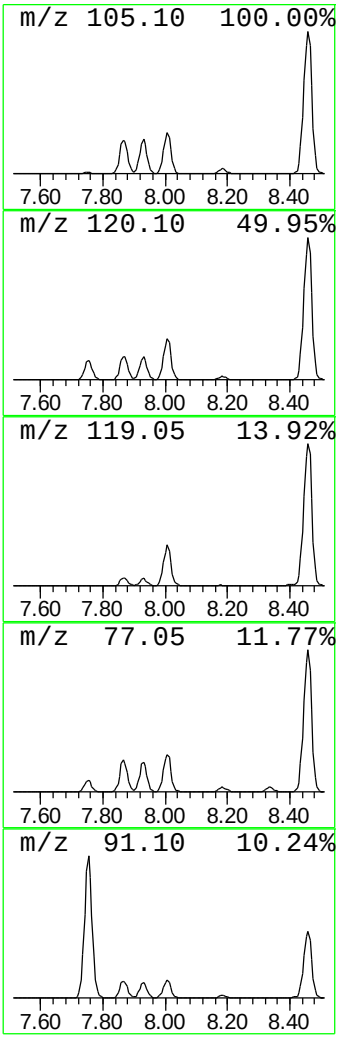
Peak Number 5 Benzene, 1,2,3-trimethyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.01	74.00 ng	1179980	1,4-Dichlorobenzene-d4	8.83

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1,2,3-trimethyl-	120	C9H12	000526-73-8	97
2	Mesitylene	120	C9H12	000108-67-8	97
3	Benzene, 1,2,4-trimethyl-	120	C9H12	000095-63-6	94
4	Benzene, 1-ethyl-3-methyl-	120	C9H12	000620-14-4	91
5	Benzene, 1-ethyl-4-methyl-	120	C9H12	000622-96-8	91





Data Path : Z:\HPCHEM1\BNA_G\DATA\BG122217\
Data File : BG031727.D
Acq On : 23 Dec 2017 1:03
Operator : SJ/JU
Sample : I7004-06
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : PR-MW-5-121817

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

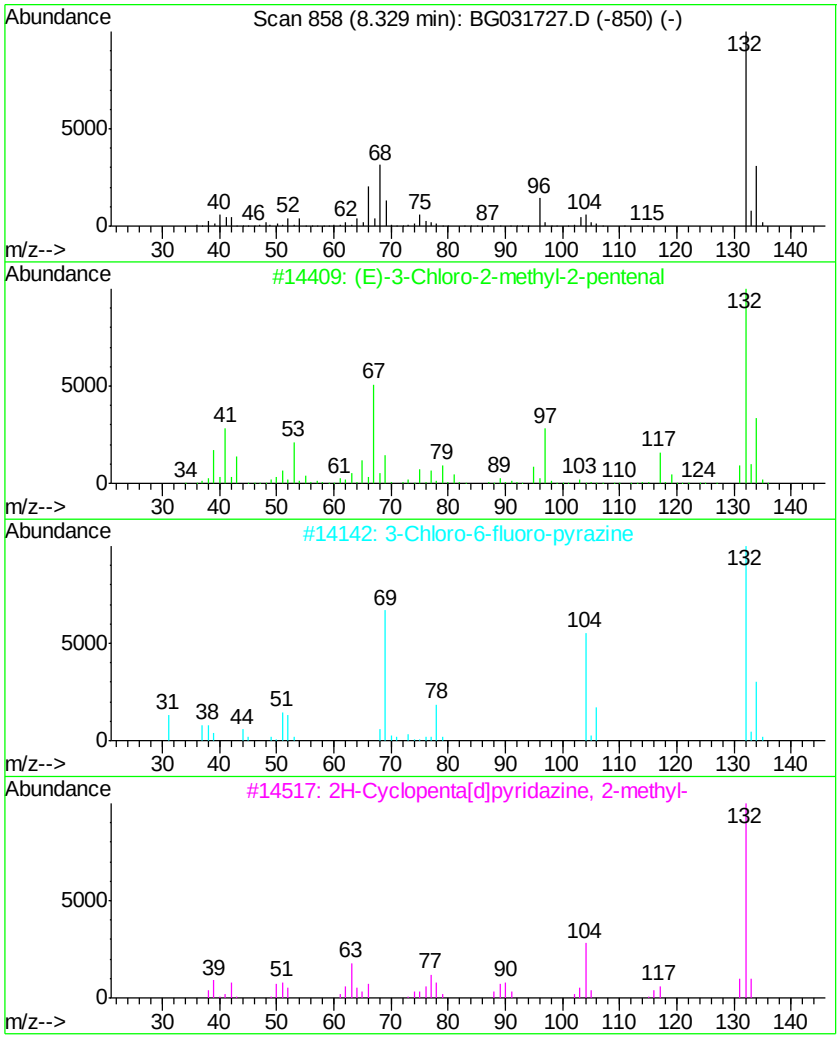
TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

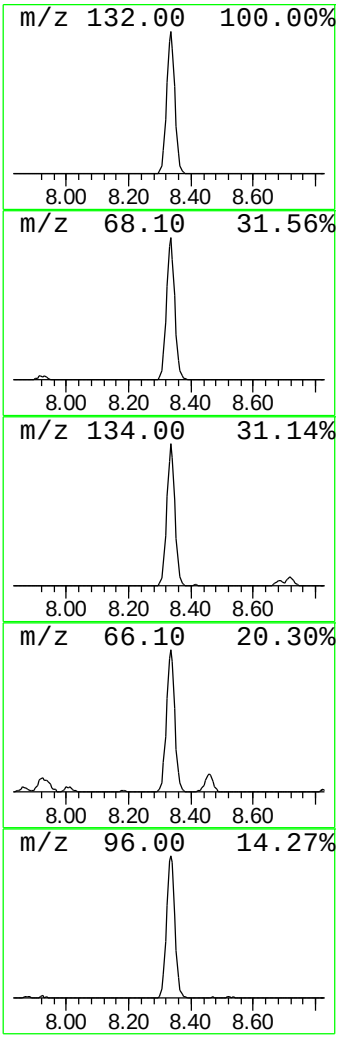
****

Peak Number 6 unknown8.33 Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.33	64.62 ng	1030330	1,4-Dichlorobenzene-d4	8.83

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	(E)-3-Chloro-2-methyl-2-pentenal	132	C6H9ClO	031357-76-3	25
2	3-Chloro-6-fluoro-pyrazine	132	C4H2ClFN2	1000146-10-7	25
3	2H-Cyclopenta[d]pyridazine, 2-me...	132	C8H8N2	022291-85-6	9
4	4-Chloro-2-fluoro-pyrimidine	132	C4H2ClFN2	051422-00-5	9
5	5-Aminoindole	132	C8H8N2	005192-03-0	9





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Operator : SJ/JU
Sample : I7004-06
Misc :
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Instrument : BNA_G
ClientSampleId : PR-MW-5-121817

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

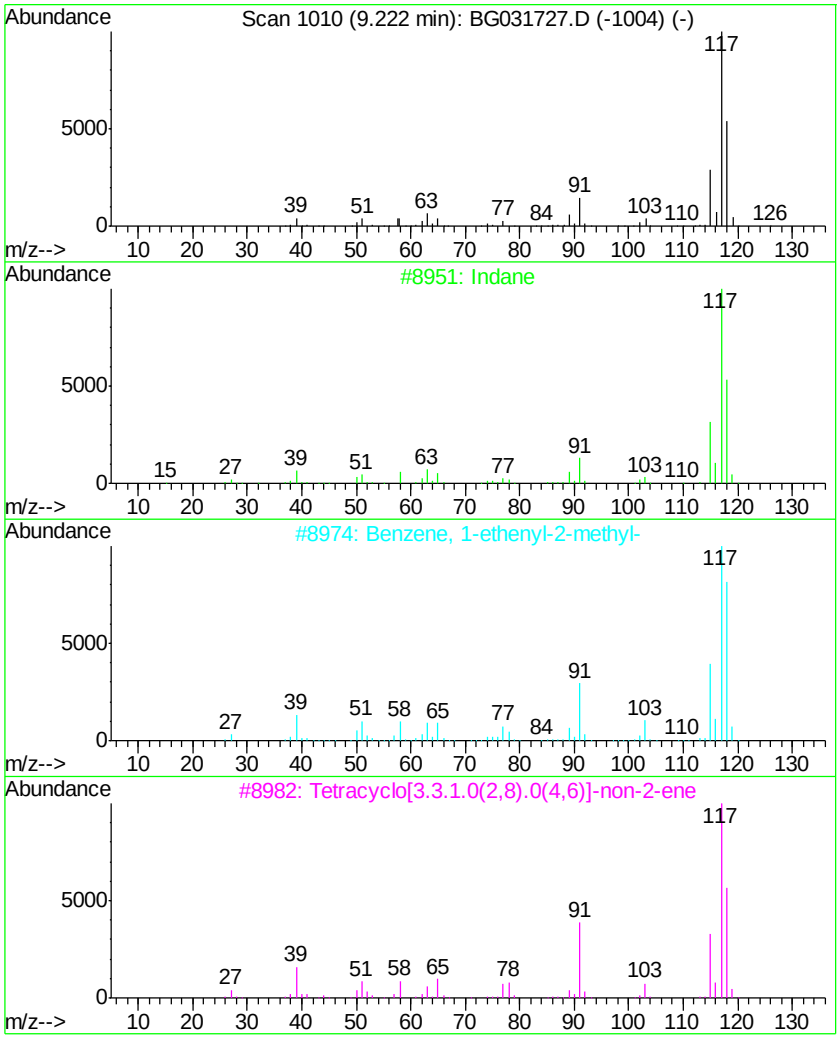
TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

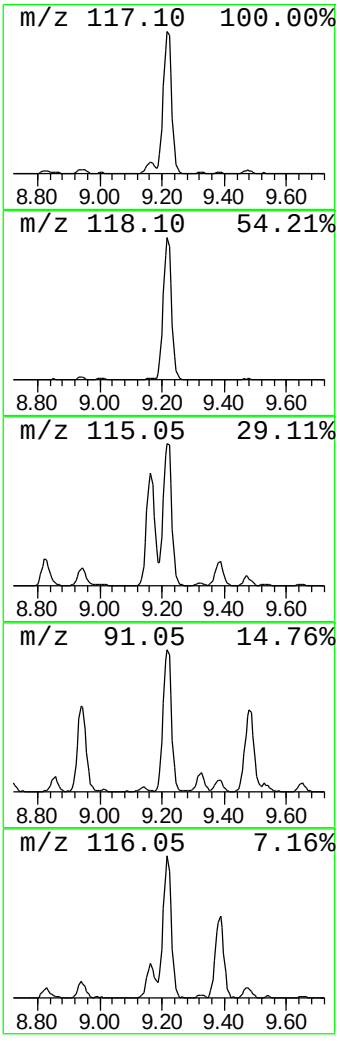
****

Peak Number 10 Indane Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.22	83.84 ng	1336770	1,4-Dichlorobenzene-d4	8.83

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Indane	118	C9H10	000496-11-7	93
2	Benzene, 1-ethenyl-2-methyl-	118	C9H10	000611-15-4	87
3	Tetracyclo[3.3.1.0(2,8).0(4,6)]-...	118	C9H10	1000191-13-7	80
4	Deltacyclene	118	C9H10	007785-10-6	80
5	Benzene, cyclopropyl-	118	C9H10	000873-49-4	64





Tentatively Identified Compound (LSC) summary

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG122217\
Data File : BG031727.D
Acq On : 23 Dec 2017 1:03
Operator : SJ/JU
Sample : I7004-06
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : PR-MW-5-121817

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
Benzene, 1,3-dime...	6.34	787.8	ng	12561500	1	8.83	318893	20.0
Benzene, (1-methy...	7.24	54.7	ng	872086	1	8.83	318893	20.0
Benzene, 1-ethyl-...	7.86	58.7	ng	935252	1	8.83	318893	20.0
Benzene, 1,2,3-tr...	8.01	74.0	ng	1179980	1	8.83	318893	20.0
unknown8.33	8.33	64.6	ng	1030330	1	8.83	318893	20.0
Indane	9.22	83.8	ng	1336770	1	8.83	318893	20.0