LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA G\DATA\BG042215\
Data File : BG016639.D
Acq On : 23 Apr 2015 4:57
Operator : TP/IZ
Sample : G1976-01
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : S8-0434

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-BG042115.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	2.717	3	5	16	rVB	298388	552005	1.91%	0.478%
2	2.805	16	20	31	rVB	369285	544101	1.88%	0.471%
3	3.328	99	109	119	rBV2	328055	694263	2.40%	0.601%
4	3.822	184	193	204	rBV	310095	518708	1.79%	0.449%
5	5.149	412	419	428	rBV	5248610	8662200	29.97%	7.499%
6	5.244	428	435	436	rBV	425796	530810	1.84%	0.460%
7	5.302	436	445	452	rVB	9783402	28903662	100.00%	25.022%
8	5.655	497	505	513	rVB	4532810	7010998	24.26%	6.070%
9	6.125	575	585	599	rVB	817852	1291653	4.47%	1.118%
10	6.612	660	668	674	rBV	793346	1223285	4.23%	1.059%
11	6.724	679	687	693	rBV	3047826	4752171	16.44%	4.114%
12	6.783	693	697	702	rVV	1470175	2046253	7.08%	1.771%
13	6.859	702	710	716	rVV2	2022251	3225617	11.16%	2.792%
14	7.024	731	738	750	rBV	1787232	2808913	9.72%	2.432%
15	7.177	758	764	771	rVB	713412	1194825	4.13%	1.034%
16	7.288	776	783	790	rVB	4818277	7421899	25.68%	6.425%
17	7.635	836	842	845	rBV2	210968	368602	1.28%	0.319%
18	7.676	845	849	855	rVB	206470	326456	1.13%	0.283%
19	7.752	855	862	872	rVB	2451395	4009054	13.87%	3.471%
20	7.952	877	896	900	rBV	823914	1558076	5.39%	1.349%
21	8.005	900	905	909	rBV	556750	882771	3.05%	0.764%
22	8.175	929	934	941	rVB	257361	422537	1.46%	0.366%
23	8.269	944	950	969	rVB2	502182	1169406	4.05%	1.012%
24	8.434	970	978	982	rBV	238703	446754	1.55%	0.387%
25	8.522	985	993	996	rBV5	136073	333293	1.15%	0.289%
26	8.581	999	1003	1007	rBV	254933	416720	1.44%	0.361%
27	8.628	1008	1011	1020	rVB2	465270	777290	2.69%	0.673%
28	8.734	1024	1029	1033	rBV	402737	660140	2.28%	0.571%
29	8.798	1033	1040	1047	rBV3	780954	2204628	7.63%	1.909%
30	9.057	1078	1084	1093	rVB5	350923	688030	2.38%	0.596%
31	9.256	1113	1118	1123	rBV2	223264	406734	1.41%	0.352%
32	9.315	1123	1128	1139	rVB3	500881	1276350	4.42%	1.105%
33	9.486	1150	1157	1172	rVB4	403235	1005918	3.48%	0.871%
34	9.627	1172	1181	1184	rBV6	141173	303365	1.05%	0.263%

LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA G\DATA\BG042215\
Data File : BG016639.D
Acq On : 23 Apr 2015 4:57
Operator : TP/IZ
Sample : G1976-01
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : S8-0434

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-BG042115.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

35	9.826	1210	1215	1222	rVV2	804253	1379408	4.77%	1.194%
36	10.050	1250	1253	1258	rVB	226338	359845	1.24%	0.312%
37	10.420	1306	1316	1320	rBV2	484444	1039182	3.60%	0.900%
38	10.473	1320	1325	1331	rVV	1788070	2968609	10.27%	2.570%
39	10.949	1398	1406	1411	rBV2	239118	630060	2.18%	0.545%
40	11.048	1418	1423	1433	rVB4	228395	576152	1.99%	0.499%
41	11.207	1443	1450	1456	rBV8	169399	586101	2.03%	0.507%
42	11.325	1465	1470	1476	rVB4	271429	493252	1.71%	0.427%
43	11.501	1493	1500	1505	rBV5	111729	290552	1.01%	0.252%
44	11.765	1534	1545	1550	rBV5	197892	630161	2.18%	0.546%
45	11.924	1566	1572	1579	rBV4	215826	529782	1.83%	0.459%
46	12.036	1585	1591	1595	rBV2	517392	1034590	3.58%	0.896%
47	12.088	1595	1600	1606	rVB	969939	1644747	5.69%	1.424%
48	12.312	1632	1638	1644	rVB	735900	1187090	4.11%	1.028%
49	12.482	1664	1667	1674	rVB4	173923	306577	1.06%	0.265%
50	12.617	1685	1690	1694	rBV4	198310	376117	1.30%	0.326%
51	12.658	1694	1697	1705	rVV4	169503	483929	1.67%	0.419%
52	12.764	1706	1715	1728	rVB4	591127	1453265	5.03%	1.258%
53	12.899	1732	1738	1742	rVV	1487628	2059862	7.13%	1.783%
54	12.946	1742	1746	1755	rVB4	214229	395519	1.37%	0.342%
55	13.422	1822	1827	1831	rBV4	133106	308593	1.07%	0.267%
56	13.651	1863	1866	1878	rVB2	165278	346302	1.20%	0.300%
57	14.280	1963	1973	1982	rBV2	547387	1011189	3.50%	0.875%
58	14.415	1991	1996	2000	rBV	217338	353943	1.22%	0.306%
59	15.772	2222	2227	2232	rBV	850984	1230661	4.26%	1.065%
60	17.024	2435	2440	2445	rBV2	656752	886577	3.07%	0.768%
61	19.656	2883	2888	2892	rBV	1977167	2422932	8.38%	2.098%
62	21.207	3148	3152	3158	rVB	785344	939688	3.25%	0.814%
63	23.428	3524	3530	3539	rVB	519956	949078	3.28%	0.822%

Sum of corrected areas: 115511250

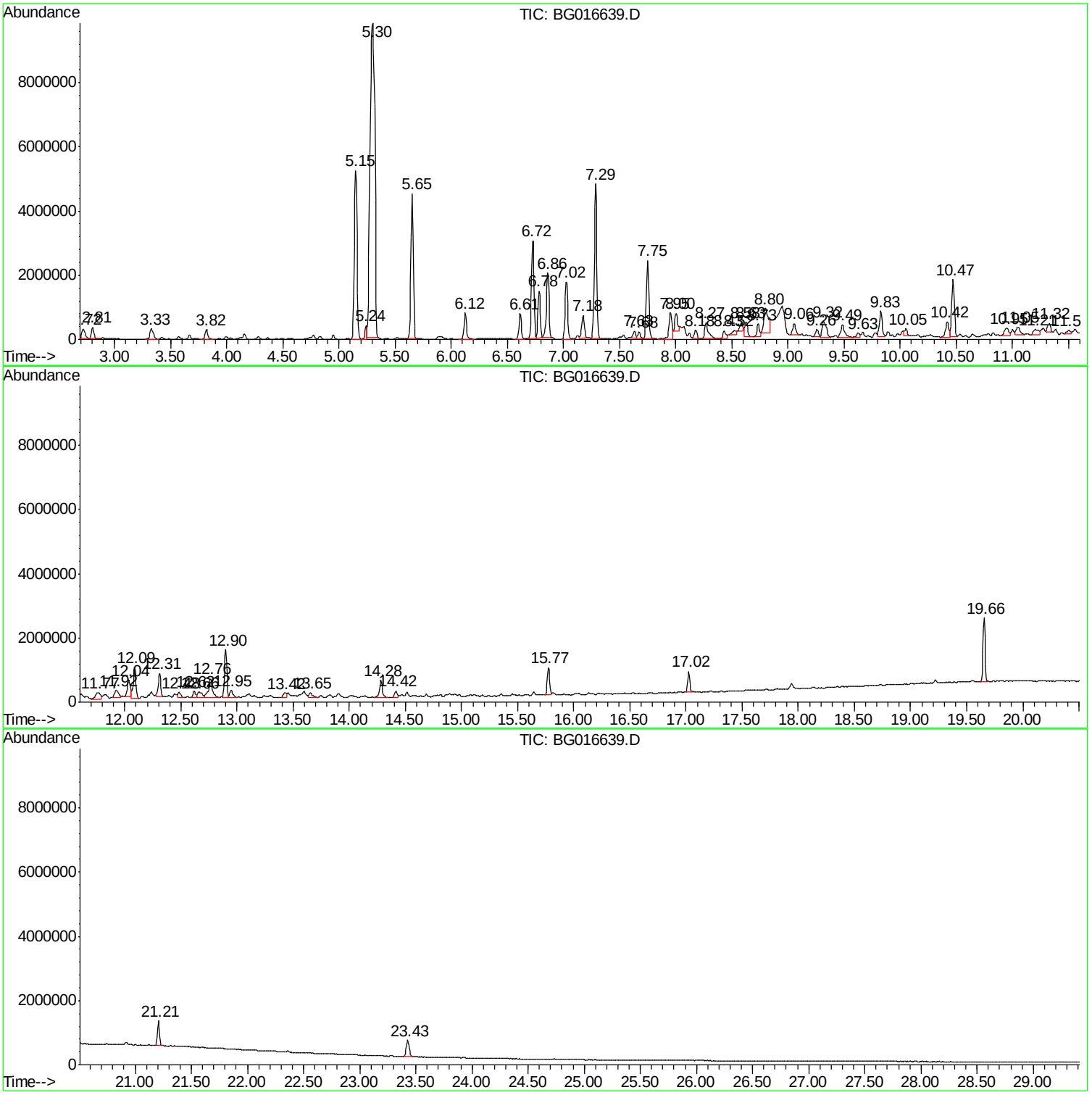
LSC Report - Integrated Chromatogram

Data Path : Z:\HPCHEM1\BNA G\DATA\BG042215\
Data File : BG016639.D
Acq On : 23 Apr 2015 4:57
Operator : TP/IZ
Sample : G1976-01
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : S8-0434

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\8270-BG042115.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\BG042215\
Data File : BG016639.D
Acq On : 23 Apr 2015 4:57
Operator : TP/IZ
Sample : G1976-01
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : S8-0434

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\8270-BG042115.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

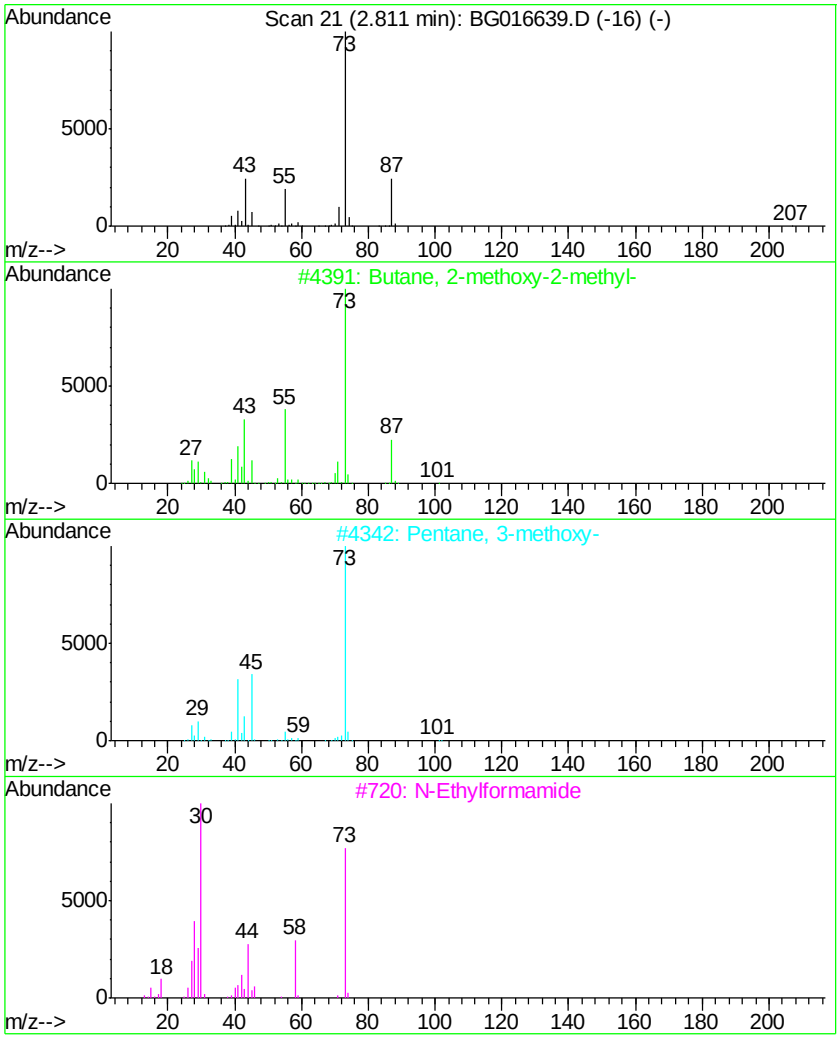
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

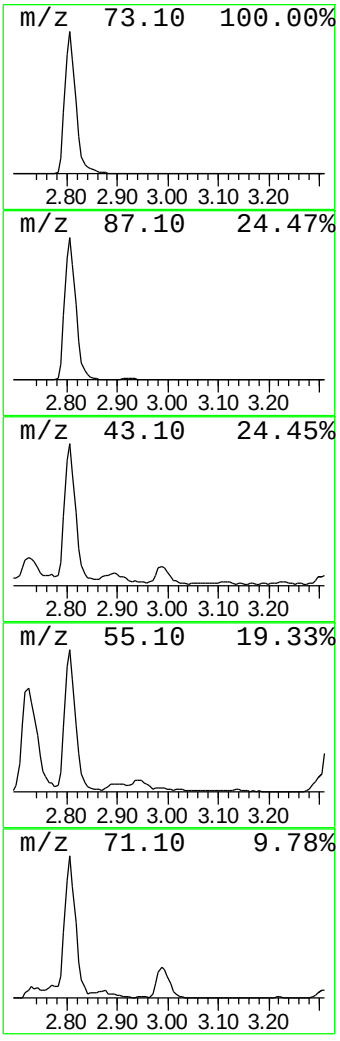
****

Peak Number 2 Butane, 2-methoxy-2-methyl- Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.81	29.52 ng	544101	1,4-Dichlorobenzene-d4	7.63

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Butane, 2-methoxy-2-methyl-	102	C6H14O	000994-05-8	74
2	Pentane, 3-methoxy-	102	C6H14O	036839-67-5	23
3	N-Ethylformamide	73	C3H7NO	000627-45-2	9
4	Acetamide, N-ethyl-	87	C4H9NO	000625-50-3	9
5	1,3-Dioxolane, 2-methyl-	88	C4H8O2	000497-26-7	7





Data Path : Z:\HPCHEM1\BNA G\DATA\BG042215\
Data File : BG016639.D
Acq On : 23 Apr 2015 4:57
Operator : TP/IZ
Sample : G1976-01
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : S8-0434

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\8270-BG042115.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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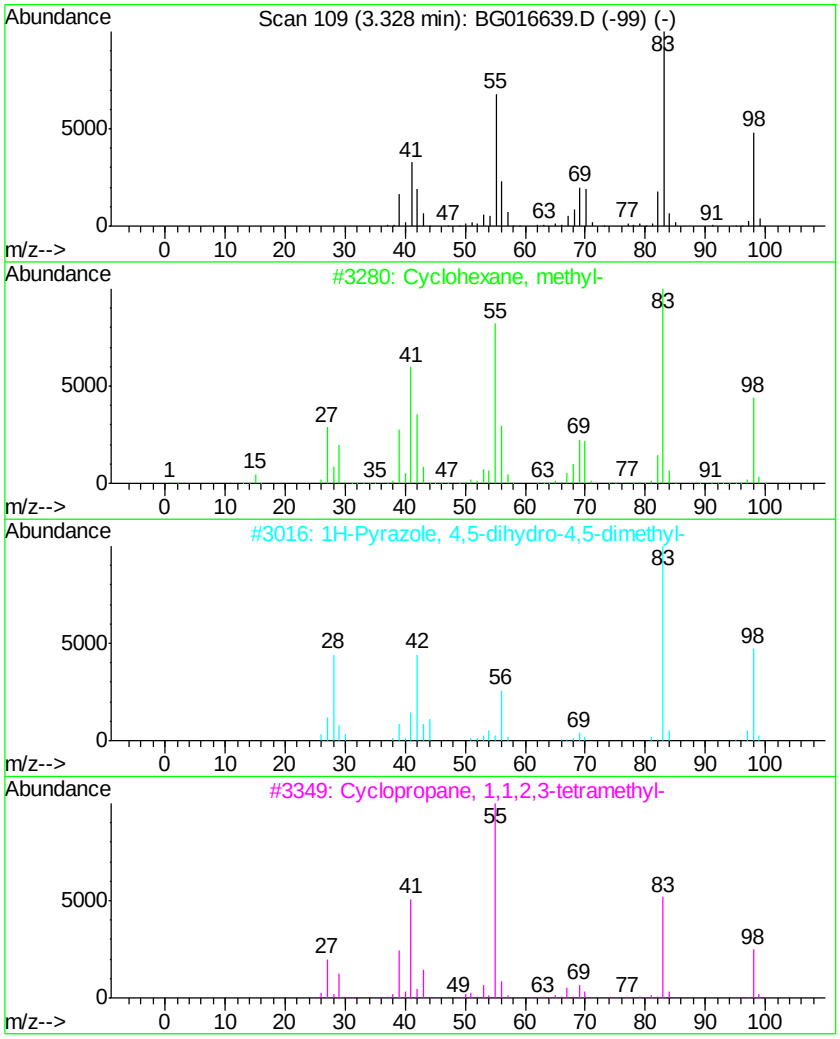
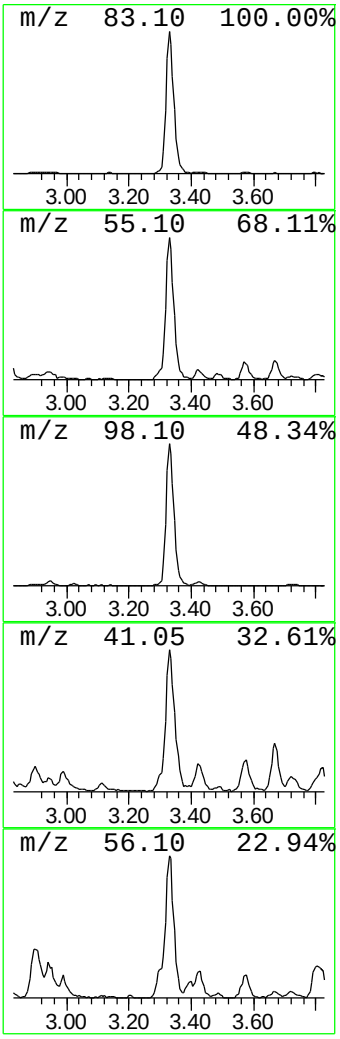
Peak Number 3 Cyclohexane, methyl- Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.33	37.67 ng	694263	1,4-Dichlorobenzene-d4	7.63

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, methyl-	98	C7H14	000108-87-2	94
2	1H-Pyrazole, 4,5-dihydro-4,5-dim...	98	C5H10N2	028019-94-5	64
3	Cyclopropane, 1,1,2,3-tetramethyl-	98	C7H14	074752-93-5	59
4	1H-Pyrazole, 4,5-dihydro-5,5-dim...	98	C5H10N2	004320-85-8	59
5	2-Pentene, 4,4-dimethyl-, (E)-	98	C7H14	000690-08-4	58





Data Path : Z:\HPCHEM1\BNA G\DATA\BG042215\
Data File : BG016639.D
Acq On : 23 Apr 2015 4:57
Operator : TP/IZ
Sample : G1976-01
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : S8-0434

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\8270-BG042115.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

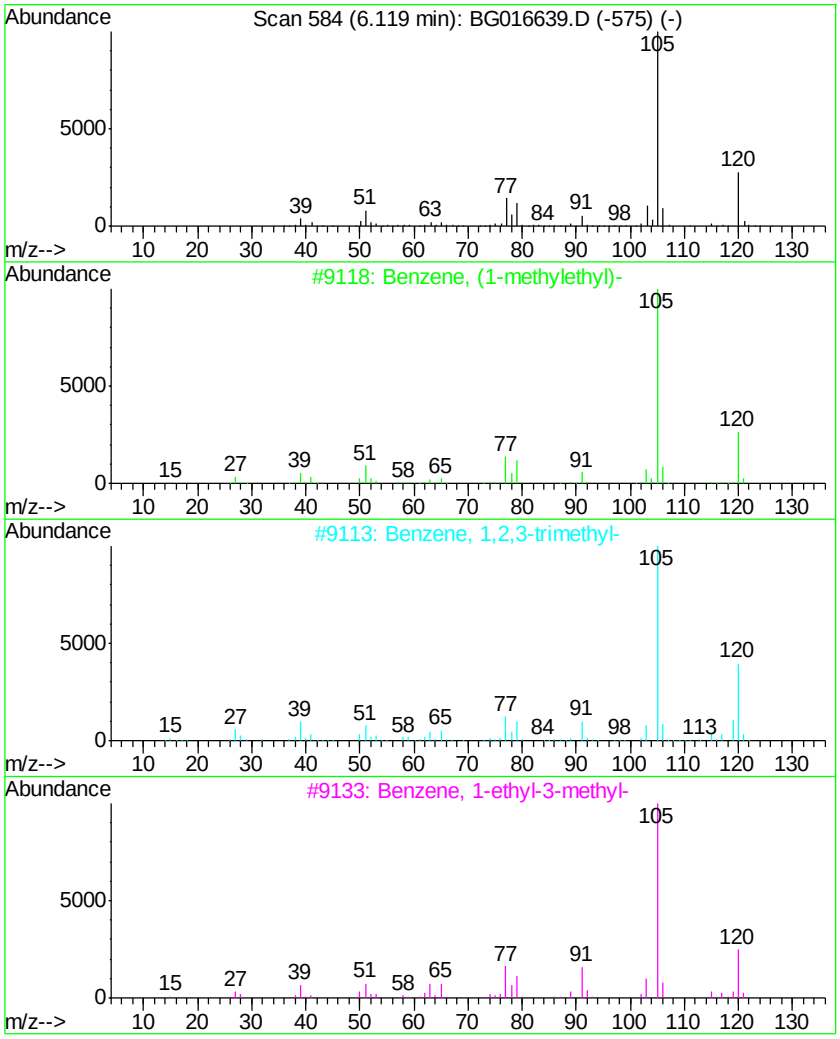
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

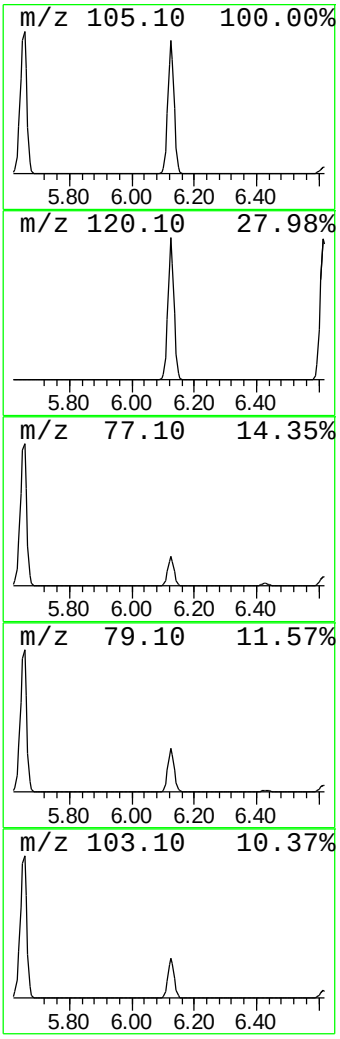
****

Peak Number 7 Benzene, (1-methylethyl)- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.12	70.08 ng	1291650	1,4-Dichlorobenzene-d4	7.63

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, (1-methylethyl)-	120	C9H12	000098-82-8	91
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-2-methyl-	120	C9H12	000611-14-3	86
5	Benzene, 1,3,5-trimethyl-	120	C9H12	000108-67-8	78





Data Path : Z:\HPCHEM1\BNA G\DATA\BG042215\
Data File : BG016639.D
Acq On : 23 Apr 2015 4:57
Operator : TP/IZ
Sample : G1976-01
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : S8-0434

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\8270-BG042115.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

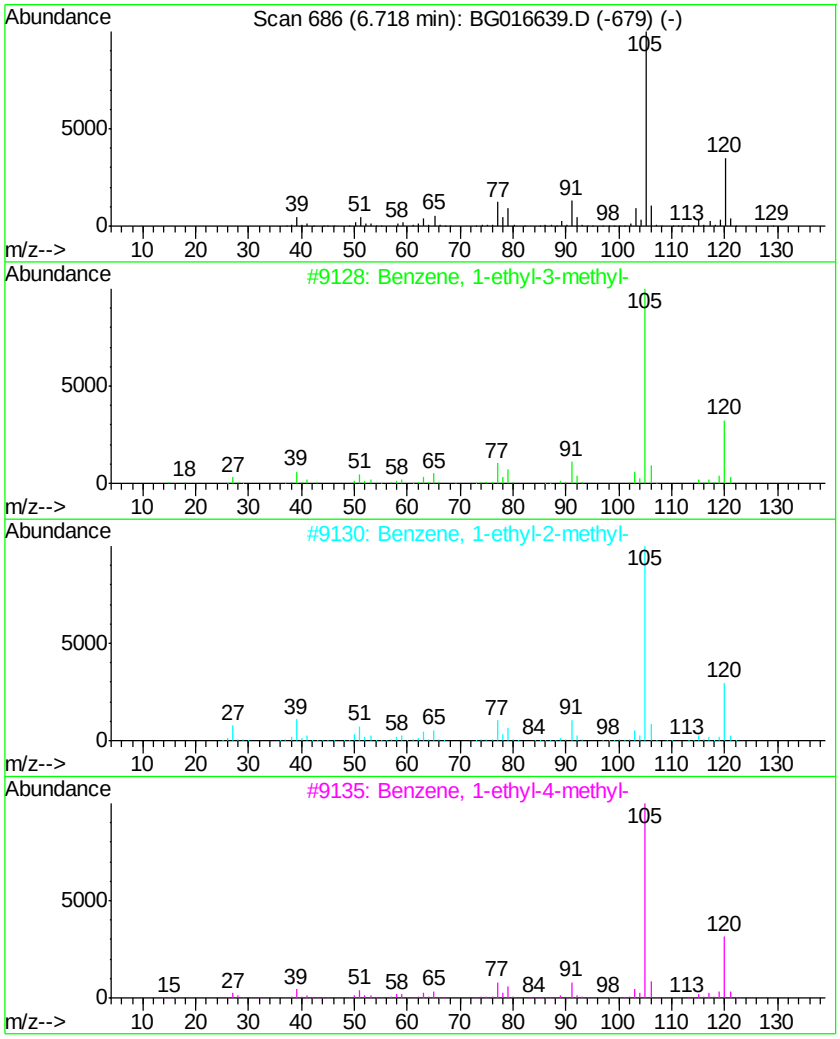
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

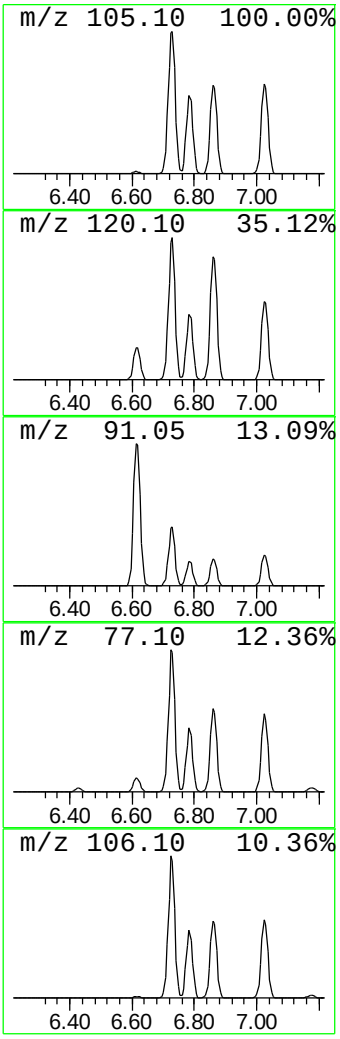
****

Peak Number 9 Benzene, 1-ethyl-3-methyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.72	257.85 ng	4752170	1,4-Dichlorobenzene-d4	7.63

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	Benzene, 1,3,5-trimethyl-	120	C9H12	000108-67-8	91
5	Benzene, 1,2,4-trimethyl-	120	C9H12	000095-63-6	91





Data Path : Z:\HPCHEM1\BNA G\DATA\BG042215\
Data File : BG016639.D
Acq On : 23 Apr 2015 4:57
Operator : TP/IZ
Sample : G1976-01
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : S8-0434

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\8270-BG042115.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

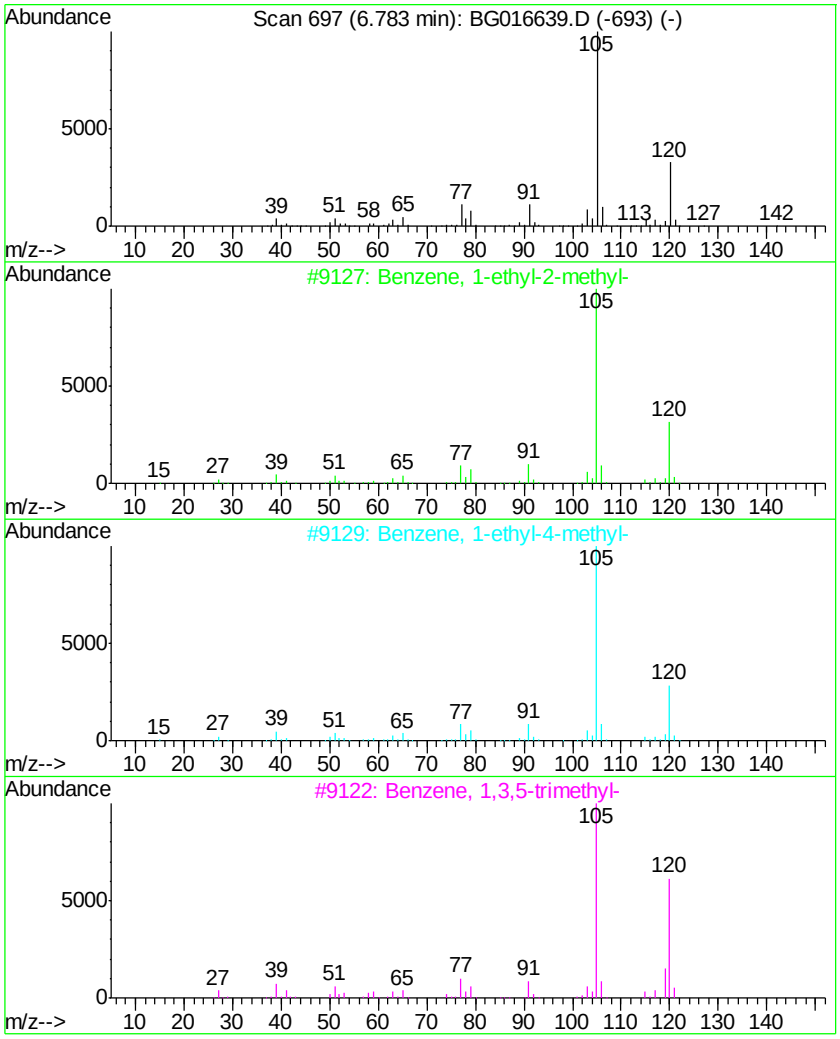
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

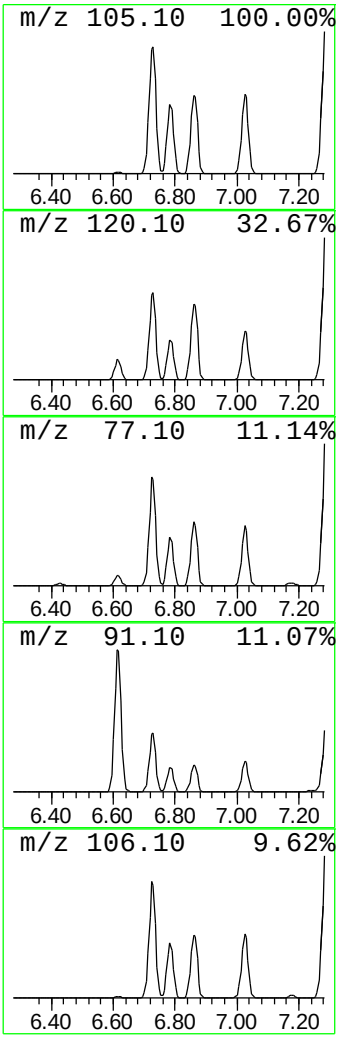
****

Peak Number 10 Benzene, 1-ethyl-2-methyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.78	111.03 ng	2046250	1,4-Dichlorobenzene-d4	7.63

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-ethyl-2-methyl-	120	C9H12	000611-14-3	95
2	Benzene, 1-ethyl-4-methyl-	120	C9H12	000622-96-8	94
3	Benzene, 1,3,5-trimethyl-	120	C9H12	000108-67-8	91
4	Benzene, 1-ethyl-3-methyl-	120	C9H12	000620-14-4	91
5	Benzene, 1,2,4-trimethyl-	120	C9H12	000095-63-6	91





Data Path : Z:\HPCHEM1\BNA G\DATA\BG042215\
Data File : BG016639.D
Acq On : 23 Apr 2015 4:57
Operator : TP/IZ
Sample : G1976-01
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : S8-0434

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\8270-BG042115.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

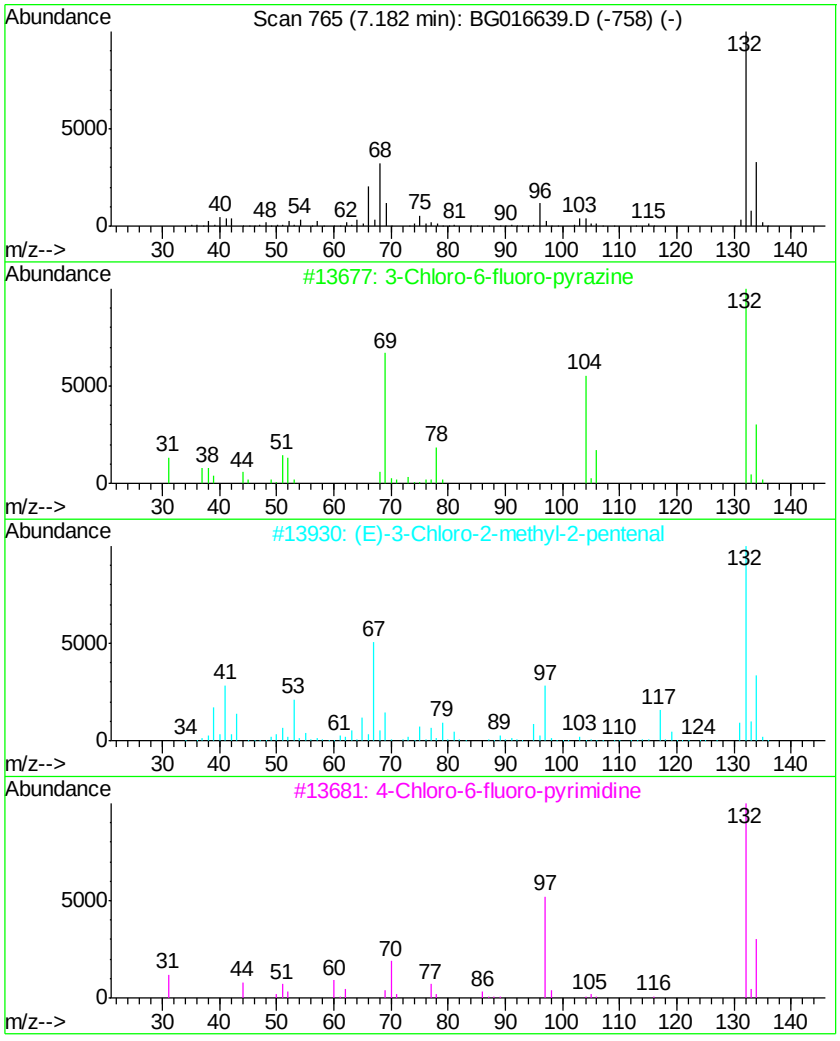
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

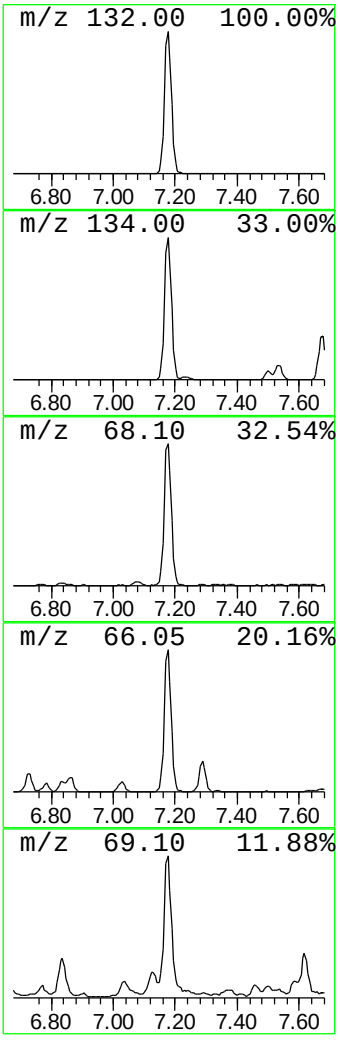
****

Peak Number 12 unknown7.18 Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.18	64.83 ng	1194830	1,4-Dichlorobenzene-d4	7.63

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-Chloro-6-fluoro-pyrazine	132	C4H2ClFN2	1000146-10-7	38
2	(E)-3-Chloro-2-methyl-2-pentenal	132	C6H9ClO	031357-76-3	17
3	4-Chloro-6-fluoro-pyrimidine	132	C4H2ClFN2	051422-01-6	9
4	4-Methylpyrrolo[1,2-a]pyrazine	132	C8H8N2	064608-60-2	9
5	1H-Benzimidazole, 2-methyl-	132	C8H8N2	000615-15-6	9





Data Path : Z:\HPCHEM1\BNA G\DATA\BG042215\
Data File : BG016639.D
Acq On : 23 Apr 2015 4:57
Operator : TP/IZ
Sample : G1976-01
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : S8-0434

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\8270-BG042115.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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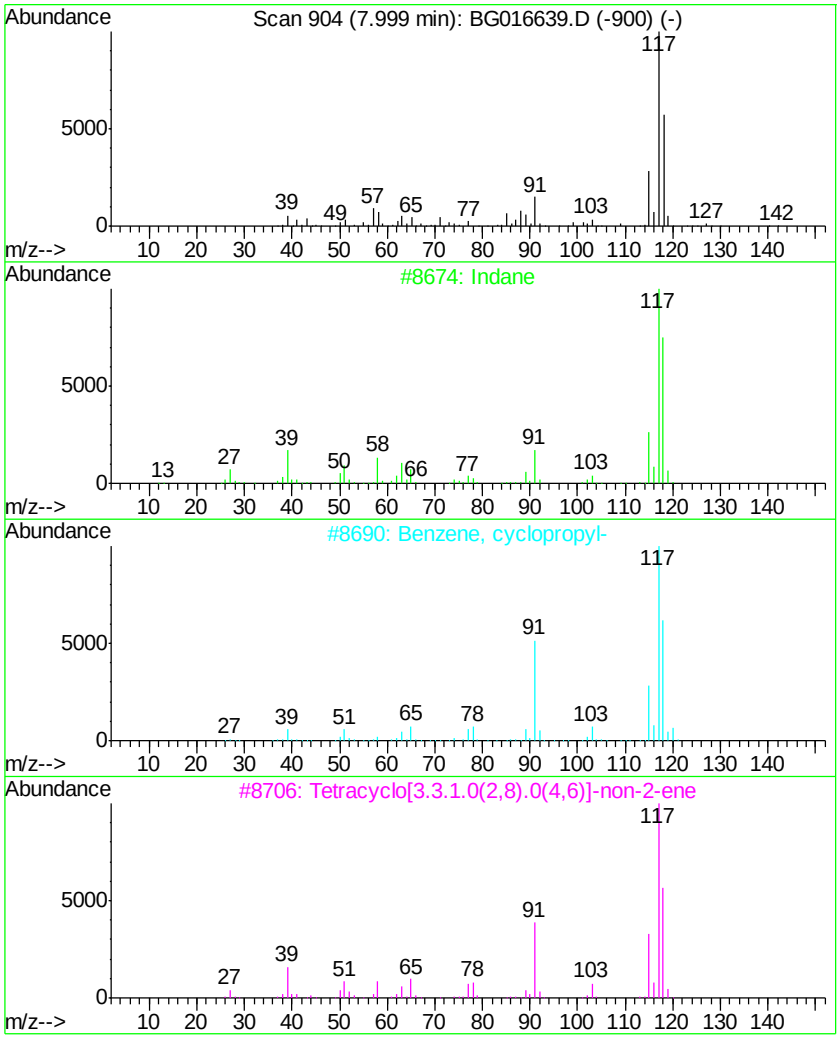
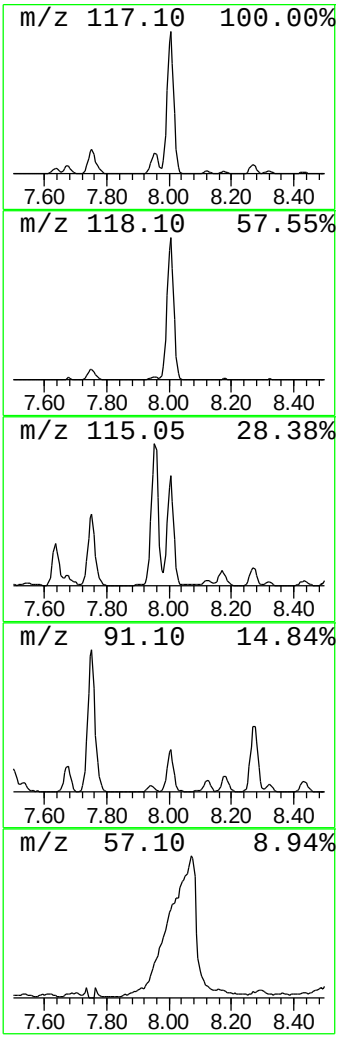
Peak Number 16 Indane Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.00	47.90 ng	882771	1,4-Dichlorobenzene-d4	7.63

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Indane	118	C9H10	000496-11-7	90
2	Benzene, cyclopropyl-	118	C9H10	000873-49-4	74
3	Tetracyclo[3.3.1.0(2,8).0(4,6)]-...	118	C9H10	1000191-13-7	72
4	Benzene, 2-propenyl-	118	C9H10	000300-57-2	49
5	Benzene, 1,1'-(1,5-hexadiene-1,6...	234	C18H18	004439-45-6	47





Data Path : Z:\HPCHEM1\BNA G\DATA\BG042215\
Data File : BG016639.D
Acq On : 23 Apr 2015 4:57
Operator : TP/IZ
Sample : G1976-01
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : S8-0434

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\8270-BG042115.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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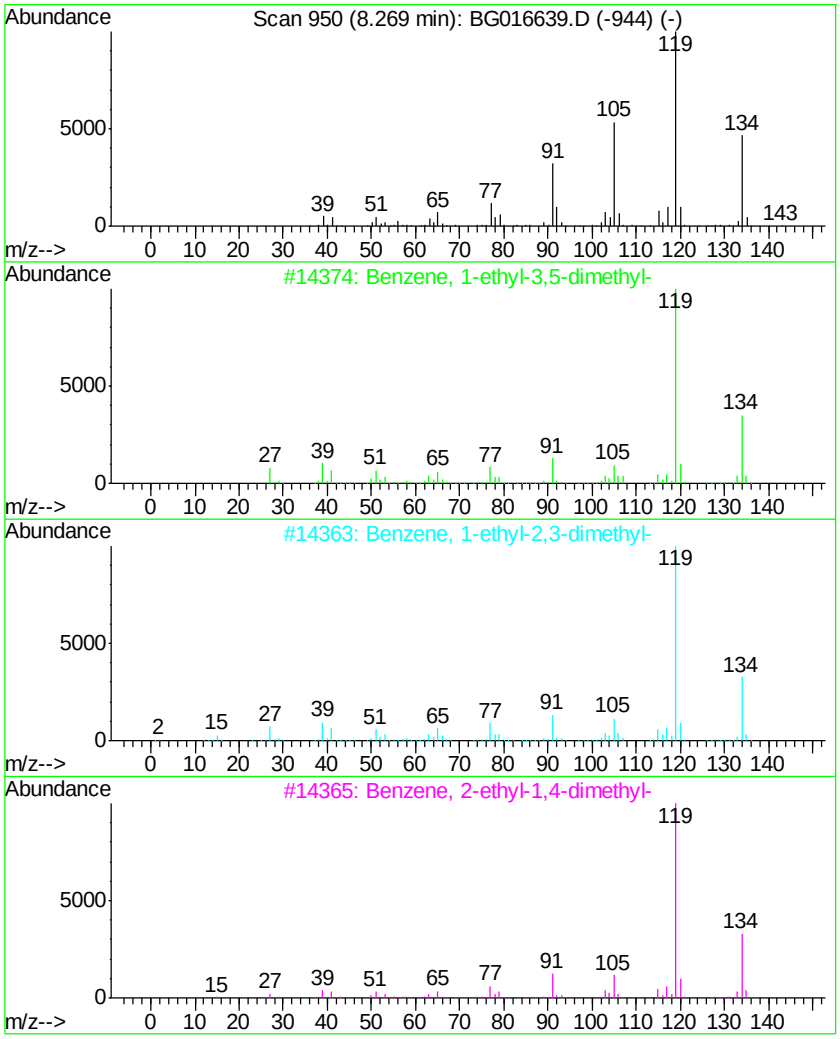
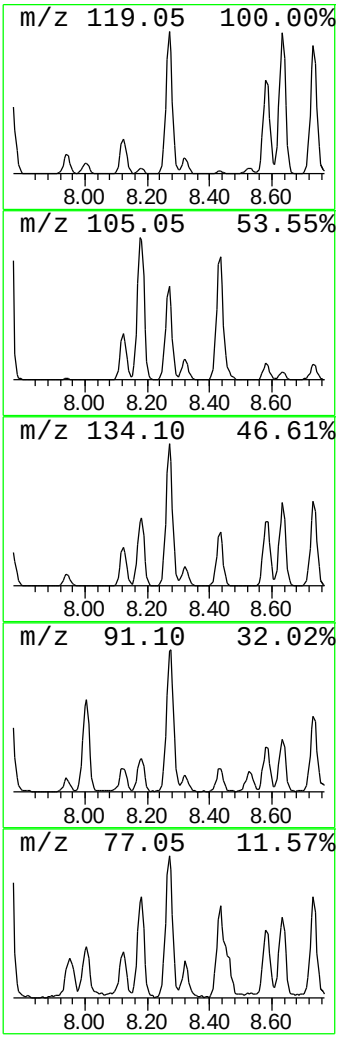
Peak Number 17 Benzene, 1-ethyl-3,5-dimethyl- Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.27	63.45 ng	1169410	1,4-Dichlorobenzene-d4	7.63

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-ethyl-3,5-dimethyl-	134	C10H14	000934-74-7	91
2	Benzene, 1-ethyl-2,3-dimethyl-	134	C10H14	000933-98-2	91
3	Benzene, 2-ethyl-1,4-dimethyl-	134	C10H14	001758-88-9	91
4	Benzene, 1,2,3,4-tetramethyl-	134	C10H14	000488-23-3	90
5	Benzene, 4-ethyl-1,2-dimethyl-	134	C10H14	000934-80-5	90





Data Path : Z:\HPCHEM1\BNA G\DATA\BG042215\
Data File : BG016639.D
Acq On : 23 Apr 2015 4:57
Operator : TP/IZ
Sample : G1976-01
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : S8-0434

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\8270-BG042115.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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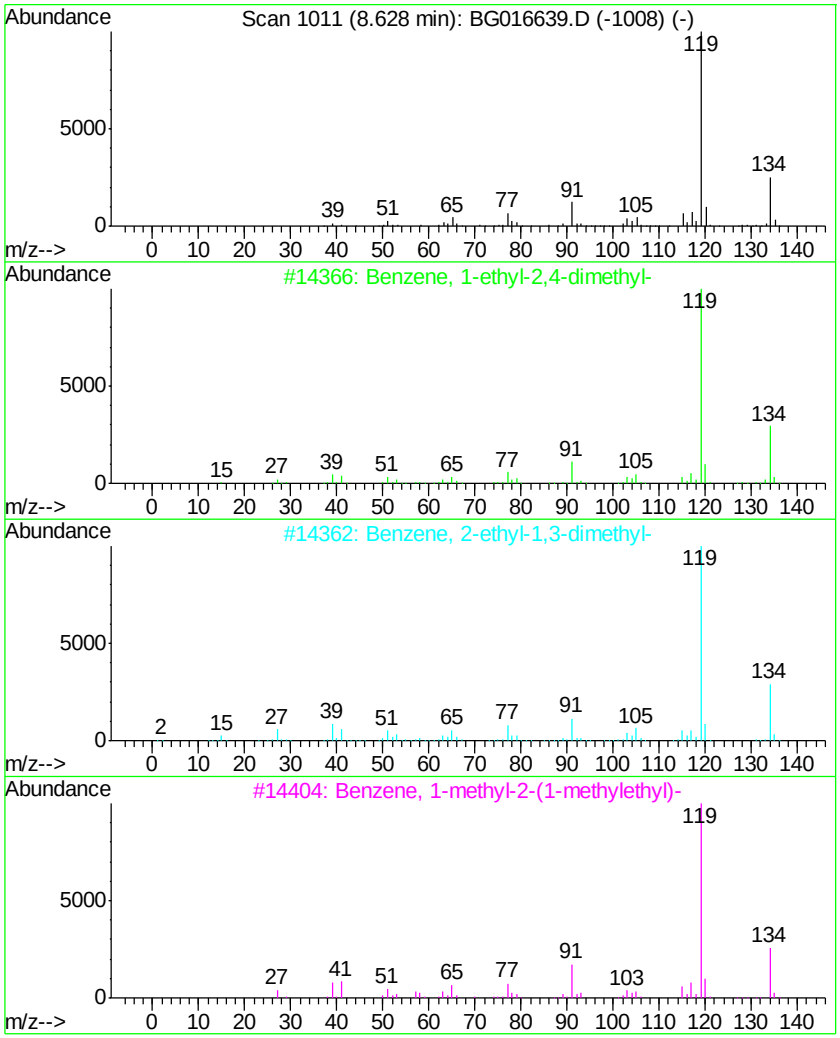
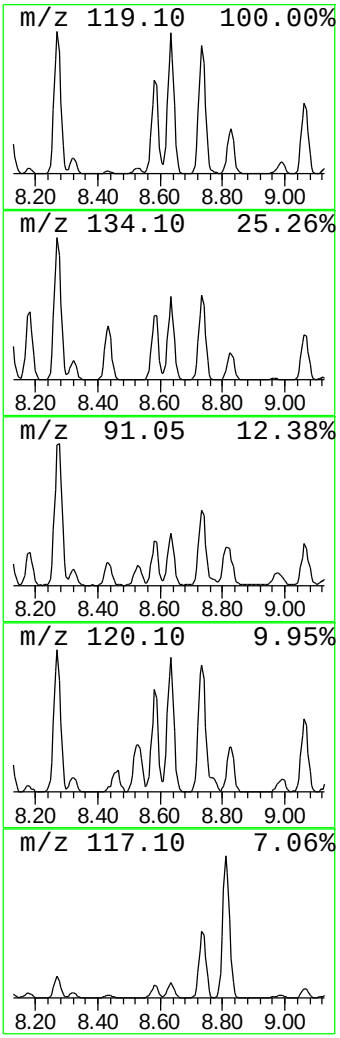
Peak Number 18 Benzene, 1-ethyl-2,4-dimethyl- Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.63	42.18 ng	777290	1,4-Dichlorobenzene-d4	7.63

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-ethyl-2,4-dimethyl-	134	C10H14	000874-41-9	95
2	Benzene, 2-ethyl-1,3-dimethyl-	134	C10H14	002870-04-4	95
3	Benzene, 1-methyl-2-(1-methyleth...	134	C10H14	000527-84-4	94
4	Benzene, 1-methyl-3-(1-methyleth...	134	C10H14	000535-77-3	91
5	Benzene, 1-ethyl-3,5-dimethyl-	134	C10H14	000934-74-7	91





Data Path : Z:\HPCHEM1\BNA G\DATA\BG042215\
Data File : BG016639.D
Acq On : 23 Apr 2015 4:57
Operator : TP/IZ
Sample : G1976-01
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : S8-0434

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\8270-BG042115.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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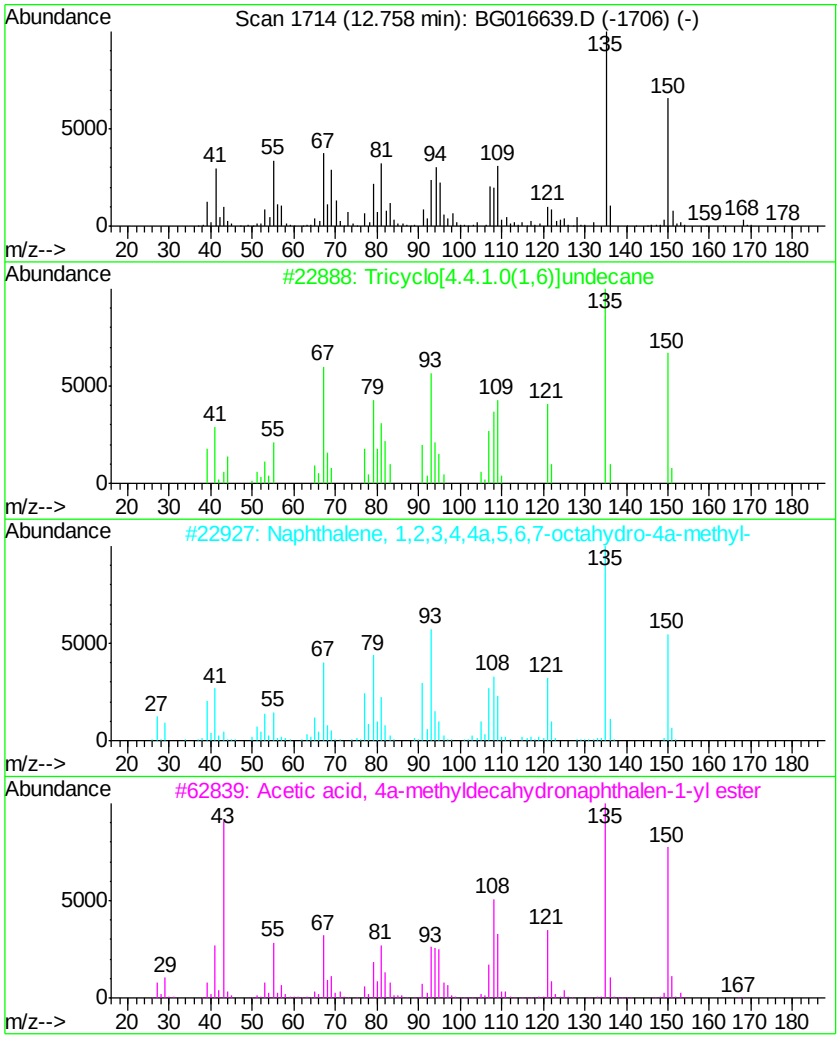
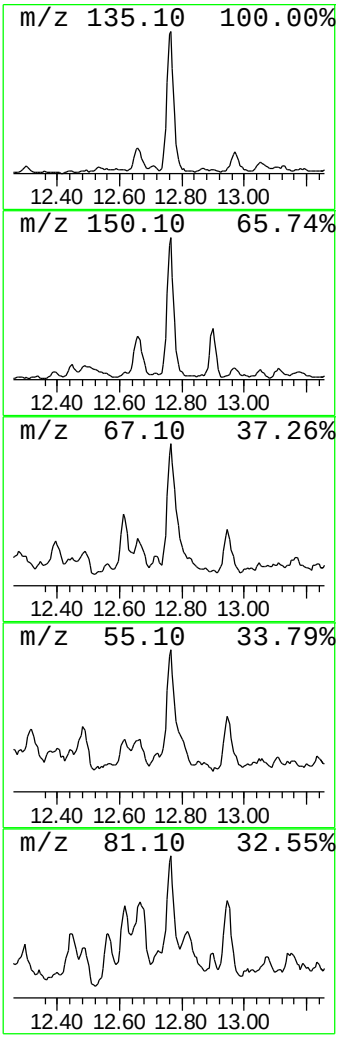
Peak Number 20 Tricyclo[4.4.1.0(1,6)]undecane Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.76	28.74 ng	1453270	Acenaphthene-d10	14.28

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Tricyclo[4.4.1.0(1,6)]undecane	150	C11H18	006571-73-9	76
2	Naphthalene, 1,2,3,4,4a,5,6,7-oc...	150	C11H18	013943-77-6	72
3	Acetic acid, 4a-methyldecahydron...	210	C13H22O2	1000191-50-9	64
4	2,5-Dimethyl-3-isopropylpyrazine	150	C9H14N2	013610-20-3	58
5	Cyclohexene, 2-ethenyl-1,3,3-tri...	150	C11H18	005293-90-3	43





Tentatively Identified Compound (LSC) summary

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG042215\
Data File : BG016639.D
Acq On : 23 Apr 2015 4:57
Operator : TP/IZ
Sample : G1976-01
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : S8-0434

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\8270-BG042115.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...	2.81	29.5	ng	544101	1	7.63	368602	20.0
Cyclohexane, methyl-	3.33	37.7	ng	694263	1	7.63	368602	20.0
Benzene, (1-methy...	6.12	70.1	ng	1291650	1	7.63	368602	20.0
Benzene, 1-ethyl-...	6.72	257.9	ng	4752170	1	7.63	368602	20.0
Benzene, 1-ethyl-...	6.78	111.0	ng	2046250	1	7.63	368602	20.0
unknown7.18	7.18	64.8	ng	1194830	1	7.63	368602	20.0
Indane	8.00	47.9	ng	882771	1	7.63	368602	20.0
Benzene, 1-ethyl-...	8.27	63.5	ng	1169410	1	7.63	368602	20.0
Benzene, 1-ethyl-...	8.63	42.2	ng	777290	1	7.63	368602	20.0
Tricyclo[4.4.1.0(...	12.76	28.7	ng	1453270	3	14.28	1011190	20.0