LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA G\DATA\BG021916\
Data File : BG020979.D
Acq On : 19 Feb 2016 19:36
Operator : SJ/UM
Sample : H1509-02
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : MW-1

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	3.240	61	68	77	rBV2	64405	122089	7.97%	0.993%
2	3.316	77	81	86	rVB	29714	38147	2.49%	0.310%
3	3.874	172	176	185	rVB	20835	32578	2.13%	0.265%
4	4.691	307	315	320	rBV4	7626	16251	1.06%	0.132%
5	4.855	335	343	347	rBV	7890	16308	1.06%	0.133%
6	5.313	412	421	426	rBV	21541	33698	2.20%	0.274%
7	5.789	496	502	509	rBV	140470	229411	14.97%	1.867%
8	6.723	655	661	673	rVB	43673	77618	5.06%	0.632%
9	7.223	739	746	753	rBV	43983	71216	4.65%	0.580%
10	7.405	769	777	790	rVB	93715	166999	10.90%	1.359%
11	7.787	834	842	849	rBV	321089	541083	35.30%	4.403%
12	8.157	901	905	910	rVB	18526	30300	1.98%	0.247%
13	8.257	914	922	929	rBV	63673	109407	7.14%	0.890%
14	8.585	964	978	983	rBV	304915	541438	35.33%	4.406%
15	8.638	983	987	994	rVB	106726	173679	11.33%	1.413%
16	8.744	998	1005	1011	rBV	27003	42454	2.77%	0.345%
17	8.903	1026	1032	1036	rBV2	16700	27319	1.78%	0.222%
18	8.950	1036	1040	1047	rVB4	13625	22947	1.50%	0.187%
19	9.367	1101	1111	1116	rBV2	113569	196307	12.81%	1.597%
20	9.437	1116	1123	1137	rVB2	246415	562348	36.69%	4.576%
21	9.719	1165	1171	1180	rVB2	16700	31952	2.08%	0.260%
22	9.896	1195	1201	1207	rVB	78788	129660	8.46%	1.055%
23	10.260	1258	1263	1269	rBV2	27200	49934	3.26%	0.406%
24	10.324	1269	1274	1283	rVB	31083	63805	4.16%	0.519%
25	10.477	1289	1300	1307	rBV2	190771	338128	22.06%	2.751%
26	10.647	1322	1329	1335	rVB2	9090	18506	1.21%	0.151%
27	10.771	1343	1350	1356	rBV	21420	41518	2.71%	0.338%
28	11.082	1390	1403	1409	rBV2	109336	282550	18.44%	2.299%
29	11.188	1416	1421	1430	rVB2	42539	77921	5.08%	0.634%
30	11.288	1430	1438	1443	rBV2	14990	31075	2.03%	0.253%
31	11.382	1450	1454	1458	rVB	11237	16501	1.08%	0.134%
32	11.446	1458	1465	1471	rBV3	19950	43510	2.84%	0.354%
33	11.546	1477	1482	1488	rVB2	20614	33768	2.20%	0.275%
34	11.658	1494	1501	1506	rBV3	21490	43275	2.82%	0.352%

LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA G\DATA\BG021916\
Data File : BG020979.D
Acq On : 19 Feb 2016 19:36
Operator : SJ/UM
Sample : H1509-02
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : MW-1

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	11.981	1549	1556	1562	rBV2	27419	47544	3.10%	0.387%
36	12.175	1584	1589	1598	rVB3	31822	58363	3.81%	0.475%
37	12.257	1598	1603	1609	rBV6	14789	28490	1.86%	0.232%
38	12.386	1617	1625	1630	rVB3	17892	34916	2.28%	0.284%
39	12.445	1630	1635	1638	rBV2	15352	26479	1.73%	0.215%
40	12.609	1655	1663	1667	rBV4	44265	77372	5.05%	0.630%
41	12.680	1671	1675	1679	rVB2	9496	15338	1.00%	0.125%
42	12.938	1709	1719	1727	rBV	180267	363189	23.70%	2.955%
43	13.009	1727	1731	1740	rVB6	28640	57039	3.72%	0.464%
44	13.502	1808	1815	1821	rVB	913231	1372178	89.53%	11.166%
45	13.673	1837	1844	1850	rBV5	22668	50598	3.30%	0.412%
46	13.814	1861	1868	1875	rBV6	17100	40691	2.65%	0.331%
47	13.931	1883	1888	1899	rVB	36129	66702	4.35%	0.543%
48	14.055	1899	1909	1918	rBV	112130	241499	15.76%	1.965%
49	14.196	1926	1933	1939	rBV	206463	389159	25.39%	3.167%
50	14.266	1939	1945	1950	rVB3	23003	51809	3.38%	0.422%
51	14.431	1967	1973	1976	rBV	99705	169190	11.04%	1.377%
52	14.460	1976	1978	1984	rVB	51879	73244	4.78%	0.596%
53	14.595	1995	2001	2006	rVB	71595	117829	7.69%	0.959%
54	14.871	2041	2048	2054	rVB2	204521	325334	21.23%	2.647%
55	14.942	2056	2060	2065	rBV4	23318	38805	2.53%	0.316%
56	15.077	2078	2083	2092	rVB5	11421	28120	1.83%	0.229%
57	15.259	2109	2114	2120	rVB2	47868	77770	5.07%	0.633%
58	15.335	2121	2127	2137	rBV2	50797	115273	7.52%	0.938%
59	15.482	2147	2152	2156	rBV2	41338	70000	4.57%	0.570%
60	15.529	2156	2160	2166	rVB	27092	38217	2.49%	0.311%
61	15.635	2172	2178	2182	rBV4	35386	76688	5.00%	0.624%
62	15.682	2182	2186	2190	rVB3	35489	53322	3.48%	0.434%
63	15.905	2217	2224	2229	rBV3	50338	109111	7.12%	0.888%
64	16.040	2242	2247	2250	rBV6	15816	32311	2.11%	0.263%
65	16.199	2265	2274	2278	rVB8	19782	47344	3.09%	0.385%
66	16.351	2294	2300	2312	rVB	603195	904651	59.03%	7.361%
67	16.539	2327	2332	2335	rBV7	12828	21973	1.43%	0.179%
68	16.581	2335	2339	2346	rVB8	20575	40886	2.67%	0.333%
69	16.710	2359	2361	2366	rVB5	10988	15435	1.01%	0.126%
70	16.957	2398	2403	2407	rBV3	19198	31490	2.05%	0.256%
71	17.385	2472	2476	2480	rBV6	10160	16850	1.10%	0.137%

LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA G\DATA\BG021916\
Data File : BG020979.D
Acq On : 19 Feb 2016 19:36
Operator : SJ/UM
Sample : H1509-02
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : MW-1

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

72	17.609	2508	2514	2519	rBV	223886	347655	22.68%	2.829%
73	18.466	2656	2660	2665	rBV3	25878	38733	2.53%	0.315%
74	18.913	2731	2736	2738	rBV5	9592	16849	1.10%	0.137%
75	19.718	2870	2873	2882	rVB8	12820	23804	1.55%	0.194%
76	20.187	2947	2953	2959	rBV	1229298	1532648	100.00%	12.472%
77	21.885	3235	3242	3250	rVB	225416	383207	25.00%	3.118%
78	25.257	3805	3816	3827	rVB2	124932	367168	23.96%	2.988%

Sum of corrected areas: 12288973

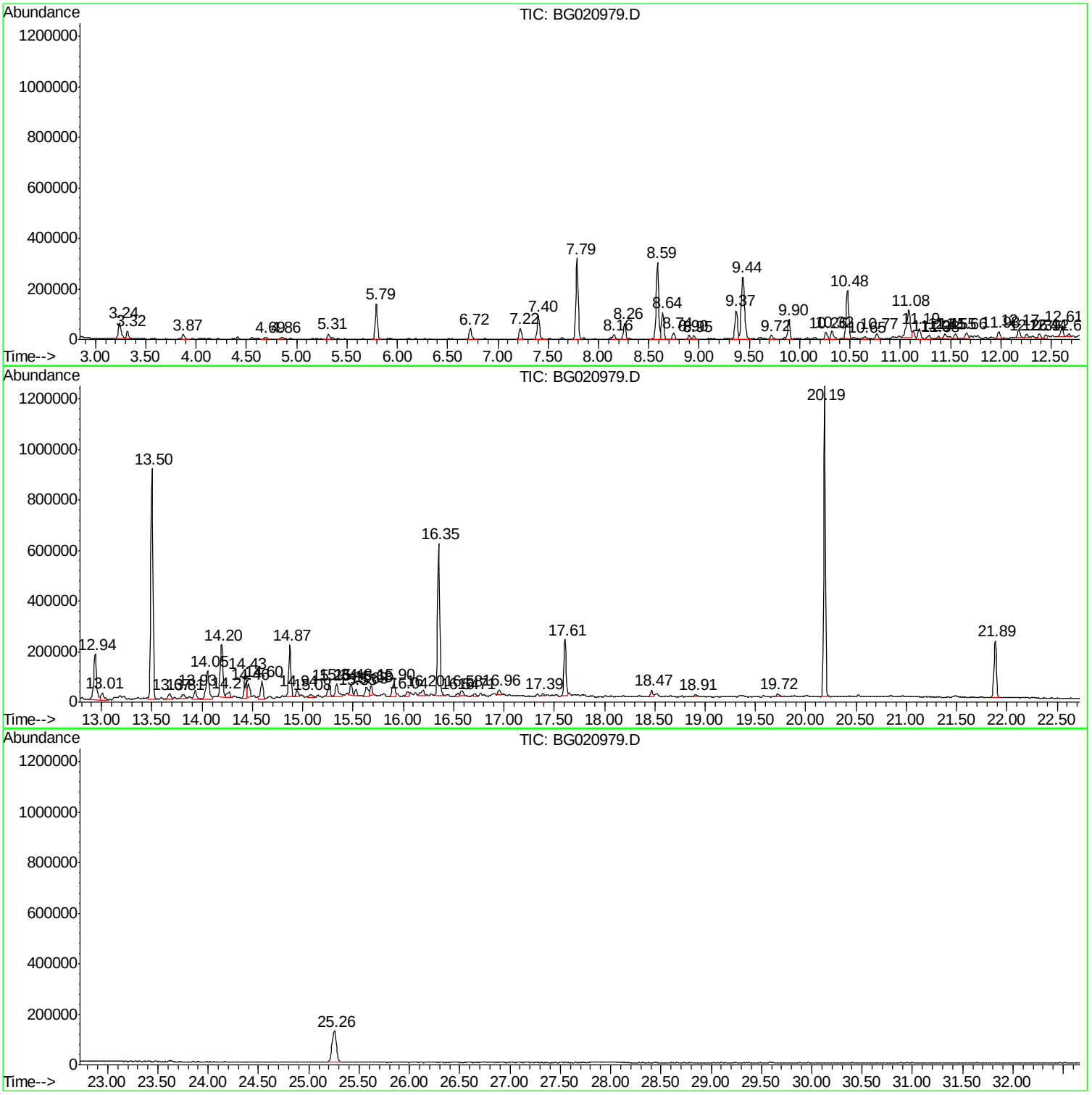
LSC Report - Integrated Chromatogram

Data Path : Z:\HPCHEM1\BNA G\DATA\BG021916\
Data File : BG020979.D
Acq On : 19 Feb 2016 19:36
Operator : SJ/UM
Sample : H1509-02
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : MW-1

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



Data Path : Z:\HPCHEM1\BNA G\DATA\BG021916\
Data File : BG020979.D
Acq On : 19 Feb 2016 19:36
Operator : SJ/UM
Sample : H1509-02
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : MW-1

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

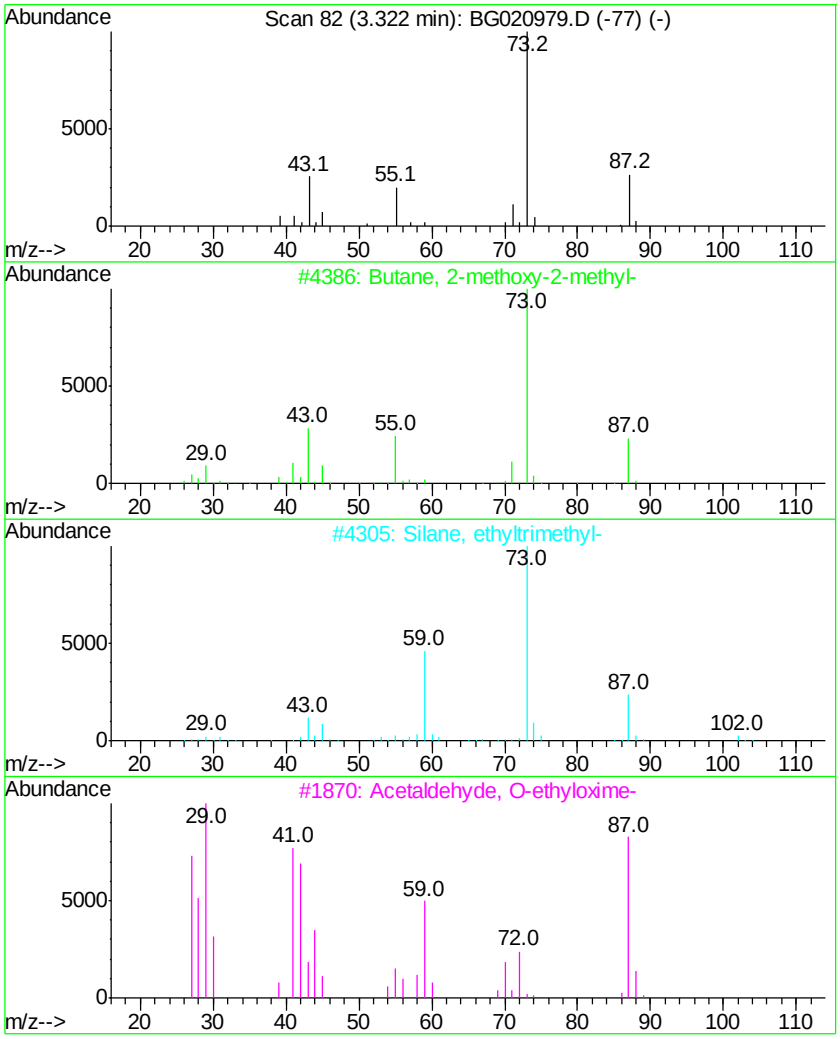
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

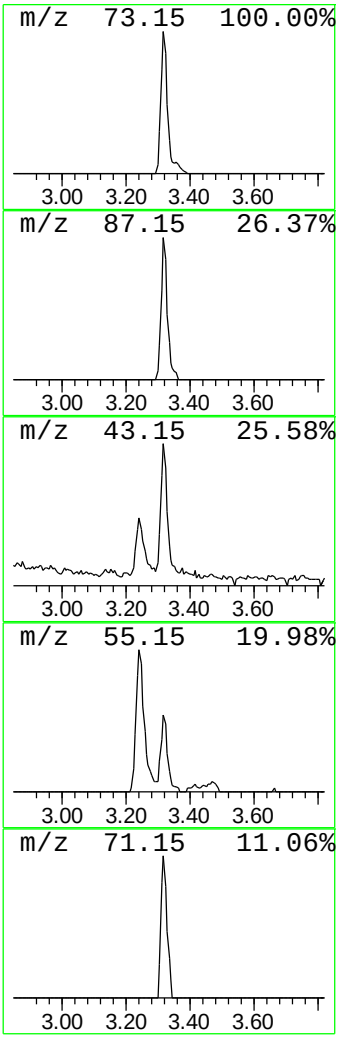
****

Peak Number 2 Butane, 2-methoxy-2-methyl- Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.32	6.97 ng	38147	1,4-Dichlorobenzene-d4	8.26

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Butane, 2-methoxy-2-methyl-	102	C6H14O	000994-05-8	90
2	Silane, ethyltrimethyl-	102	C5H14Si	003439-38-1	36
3	Acetaldehyde, O-ethyloxime-	87	C4H9NO	1000288-34-6	16
4	N-Ethylformamide	73	C3H7NO	000627-45-2	9
5	Acetamide, N-ethyl-	87	C4H9NO	000625-50-3	9





Data Path : Z:\HPCHEM1\BNA G\DATA\BG021916\
Data File : BG020979.D
Acq On : 19 Feb 2016 19:36
Operator : SJ/UM
Sample : H1509-02
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : MW-1

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

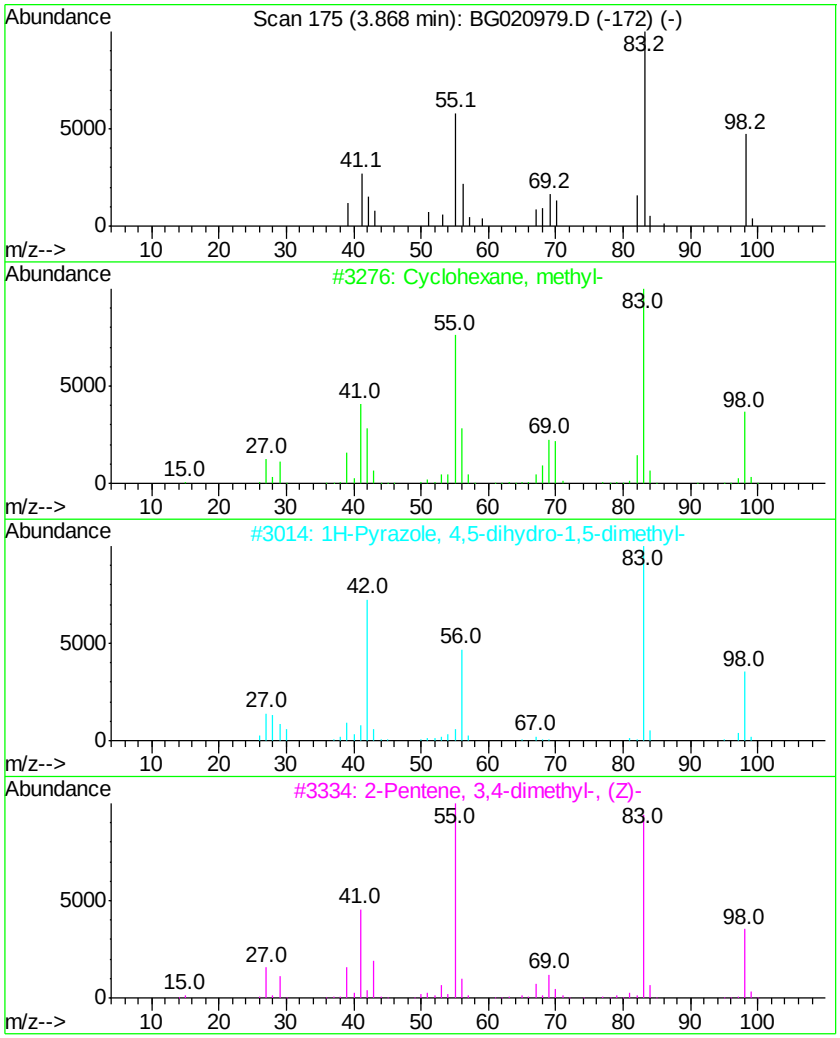
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

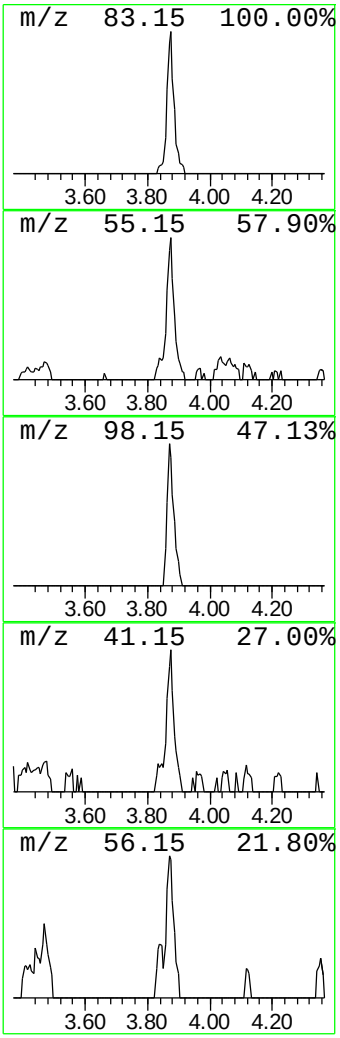
****

Peak Number 3 Cyclohexane, methyl- Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.87	5.96 ng	32578	1,4-Dichlorobenzene-d4	8.26

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, methyl-	98	C7H14	000108-87-2	90
2	1H-Pyrazole, 4,5-dihydro-1,5-dim...	98	C5H10N2	005775-96-2	64
3	2-Pentene, 3,4-dimethyl-, (Z)-	98	C7H14	004914-91-4	64
4	2-Pentene, 3,4-dimethyl-, (E)-	98	C7H14	004914-92-5	64
5	Cyclopropane, 1,1,2,3-tetramethyl-	98	C7H14	074752-93-5	64





Data Path : Z:\HPCHEM1\BNA G\DATA\BG021916\
Data File : BG020979.D
Acq On : 19 Feb 2016 19:36
Operator : SJ/UM
Sample : H1509-02
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : MW-1

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

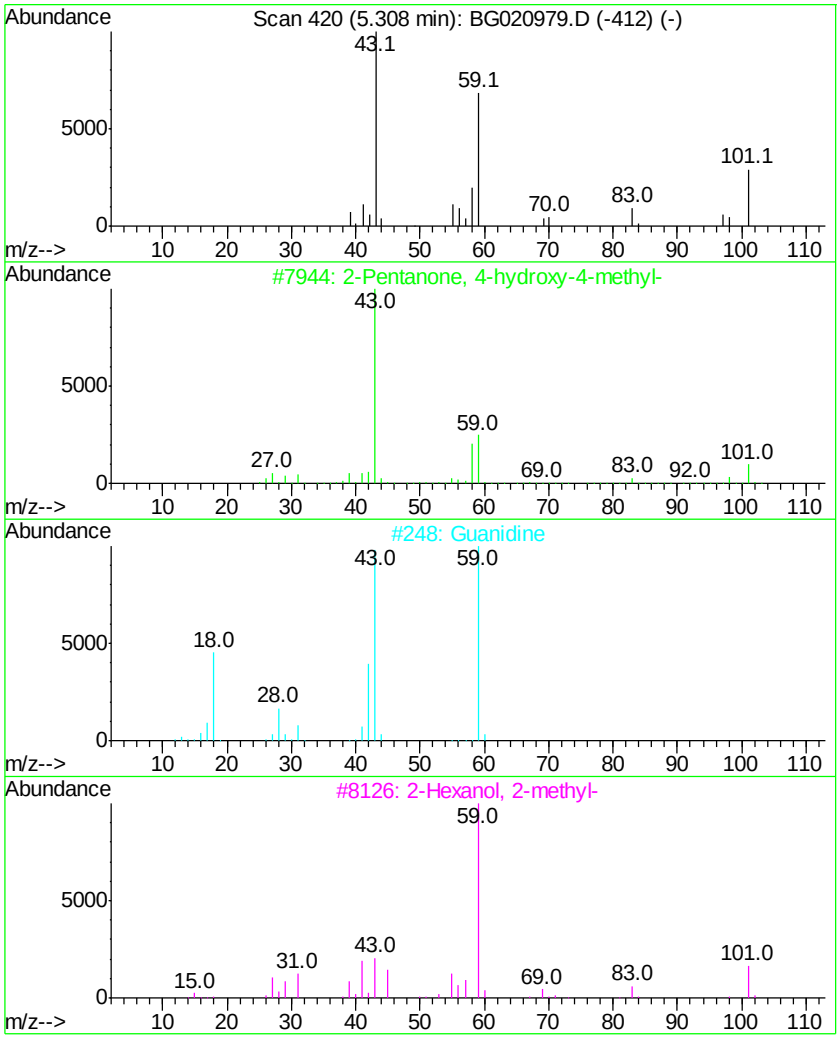
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

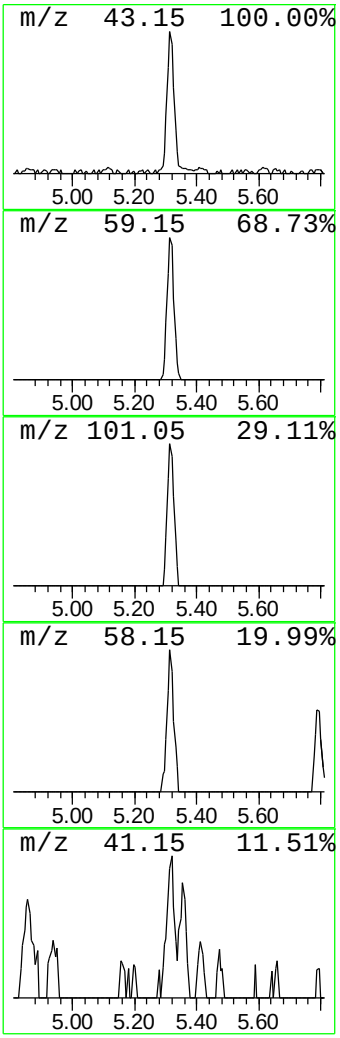
****

Peak Number 4 unknown5.31 Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.31	6.16 ng	33698	1,4-Dichlorobenzene-d4	8.26

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	40
2	Guanidine	59	CH5N3	000113-00-8	35
3	2-Hexanol, 2-methyl-	116	C7H16O	000625-23-0	32
4	1,3-Dioxane, 4,4-dimethyl-	116	C6H12O2	000766-15-4	25
5	Acetic acid, 1,1-dimethylethyl e...	116	C6H12O2	000540-88-5	23





Data Path : Z:\HPCHEM1\BNA G\DATA\BG021916\
Data File : BG020979.D
Acq On : 19 Feb 2016 19:36
Operator : SJ/UM
Sample : H1509-02
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : MW-1

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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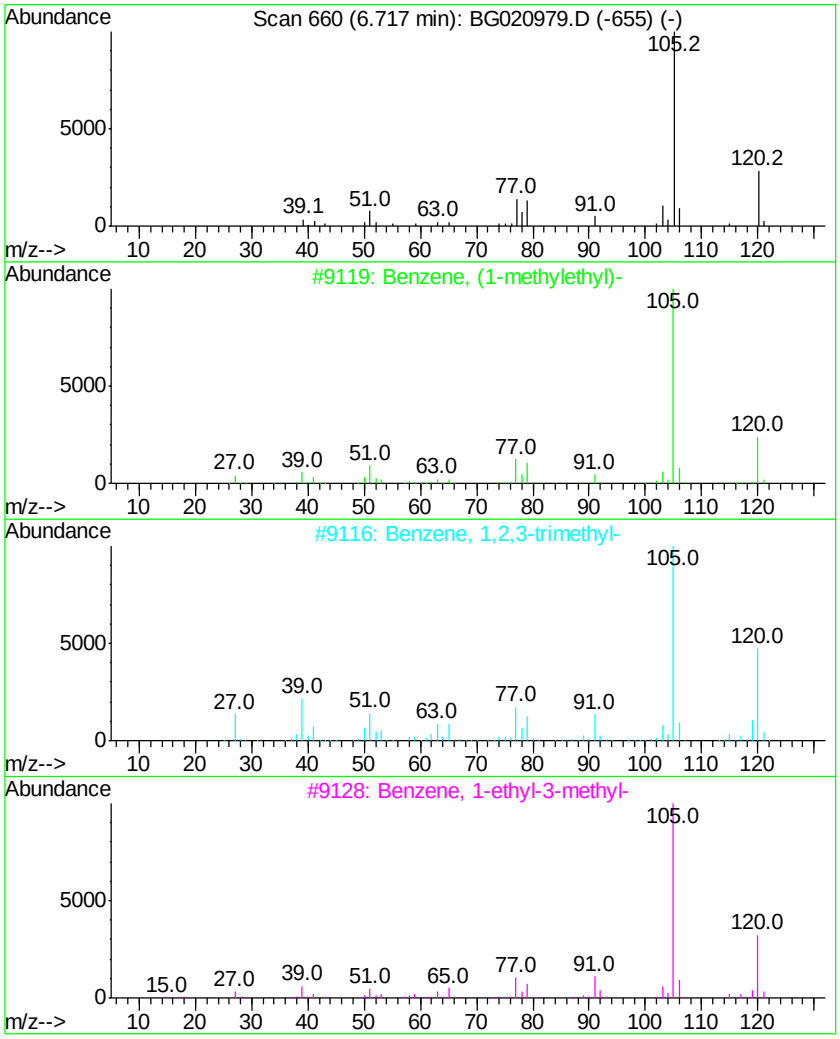
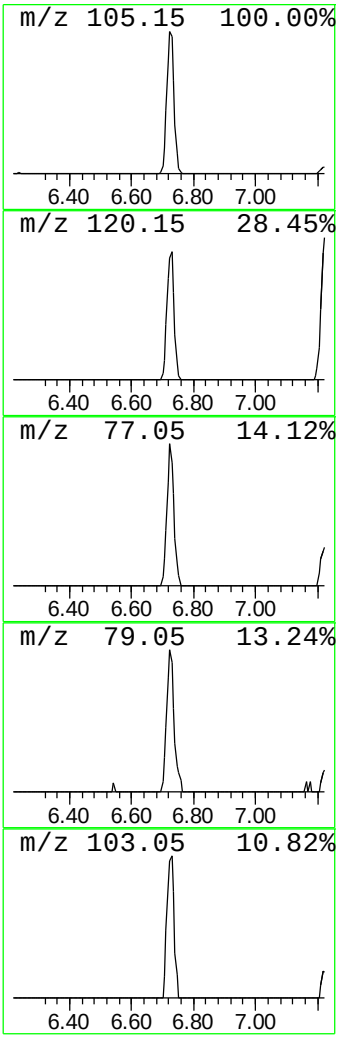
Peak Number 5 Benzene, (1-methylethyl)- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.72	14.19 ng	77618	1,4-Dichlorobenzene-d4	8.26

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	2,4-Nonadiyne	120	C9H12	063621-15-8	83
5	Benzene, 1-ethyl-4-methyl-	120	C9H12	000622-96-8	80





Data Path : Z:\HPCHEM1\BNA G\DATA\BG021916\
Data File : BG020979.D
Acq On : 19 Feb 2016 19:36
Operator : SJ/UM
Sample : H1509-02
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : MW-1

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

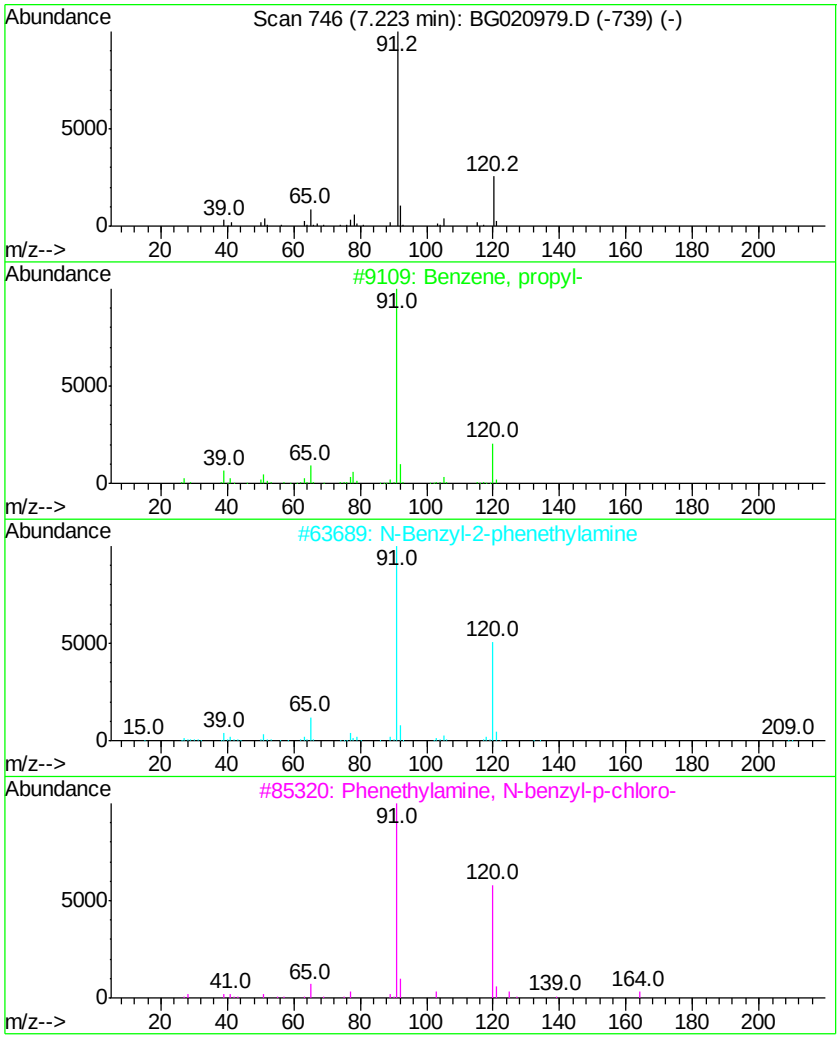
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

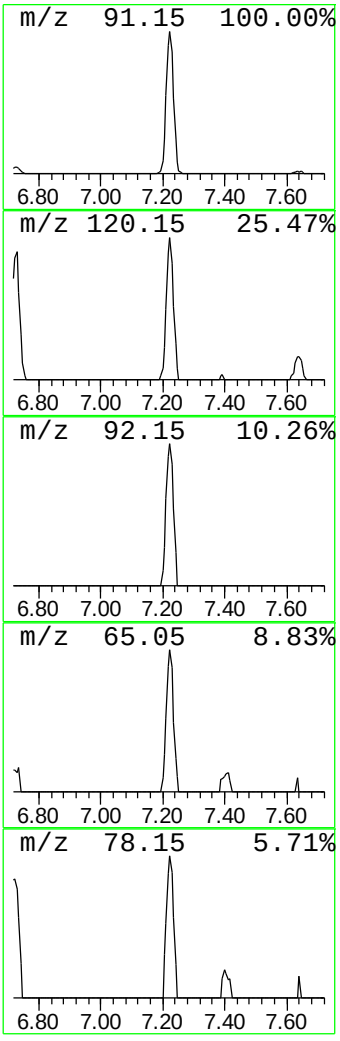
****

Peak Number 6 Benzene, propyl- Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.22	13.02 ng	71216	1,4-Dichlorobenzene-d4	8.26

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, propyl-	120	C9H12	000103-65-1	91
2	N-Benzyl-2-phenethylamine	211	C15H17N	003647-71-0	78
3	Phenethylamine, N-benzyl-p-chloro-	245	C15H16ClN	013622-43-0	64
4	n-Butylbenzylamine	163	C11H17N	002403-22-7	64
5	1,2-Ethanediamine, N-(phenylmeth...	150	C9H14N2	004152-09-4	59





Data Path : Z:\HPCHEM1\BNA G\DATA\BG021916\
Data File : BG020979.D
Acq On : 19 Feb 2016 19:36
Operator : SJ/UM
Sample : H1509-02
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : MW-1

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

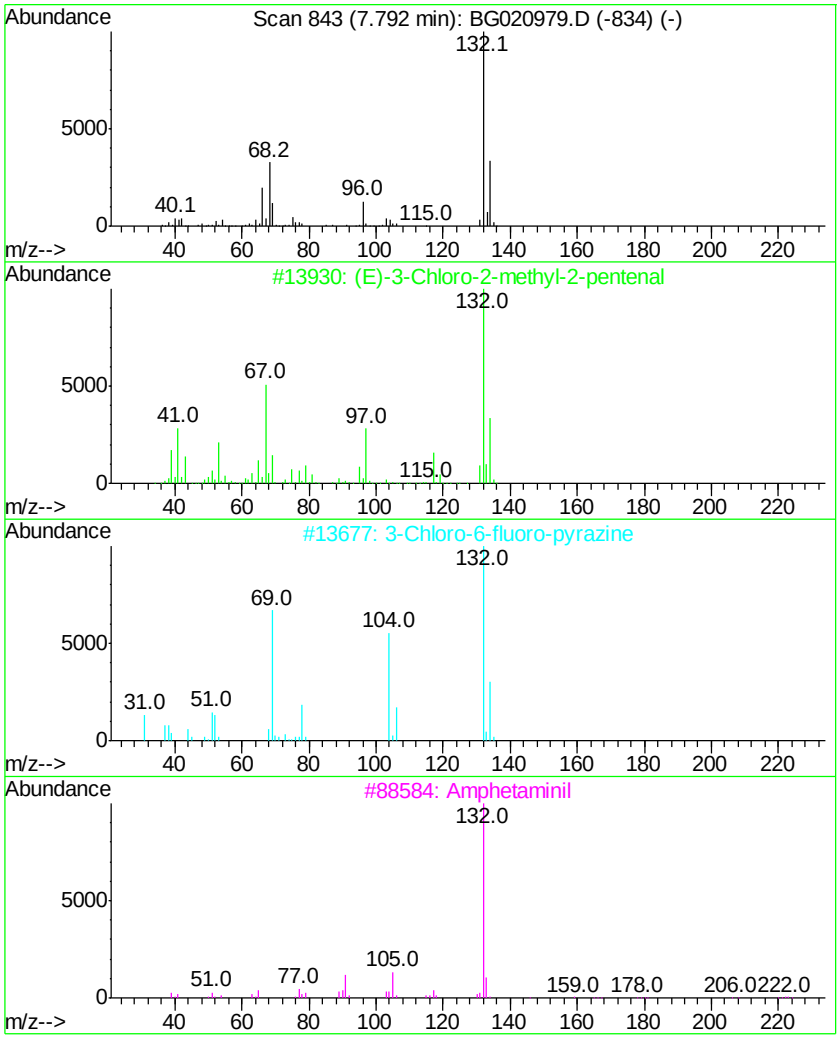
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

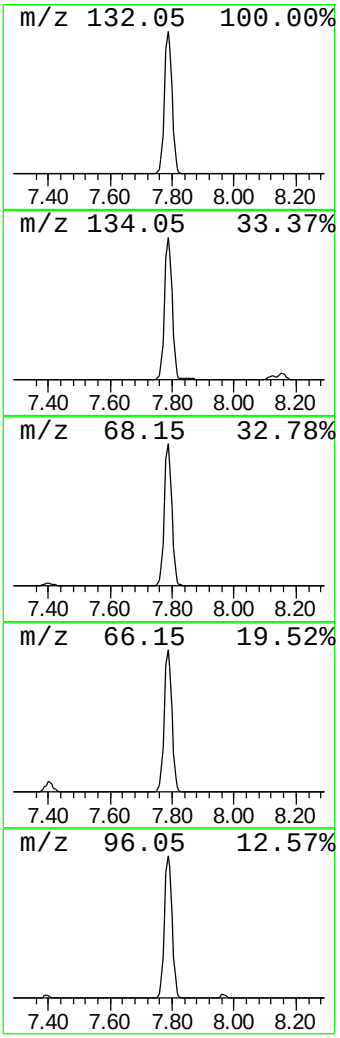
****

Peak Number 7 unknown7.79 Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.79	98.91 ng	541083	1,4-Dichlorobenzene-d4	8.26

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	Amphetaminil	250	C17H18N2	017590-01-1	12
4	Tranylcypromine-propionyl	189	C12H15NO	1000123-86-3	12
5	5-Fluoro-2-chloropyrimidine	132	C4H2ClFN2	062802-42-0	9





Data Path : Z:\HPCHEM1\BNA G\DATA\BG021916\
Data File : BG020979.D
Acq On : 19 Feb 2016 19:36
Operator : SJ/UM
Sample : H1509-02
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : MW-1

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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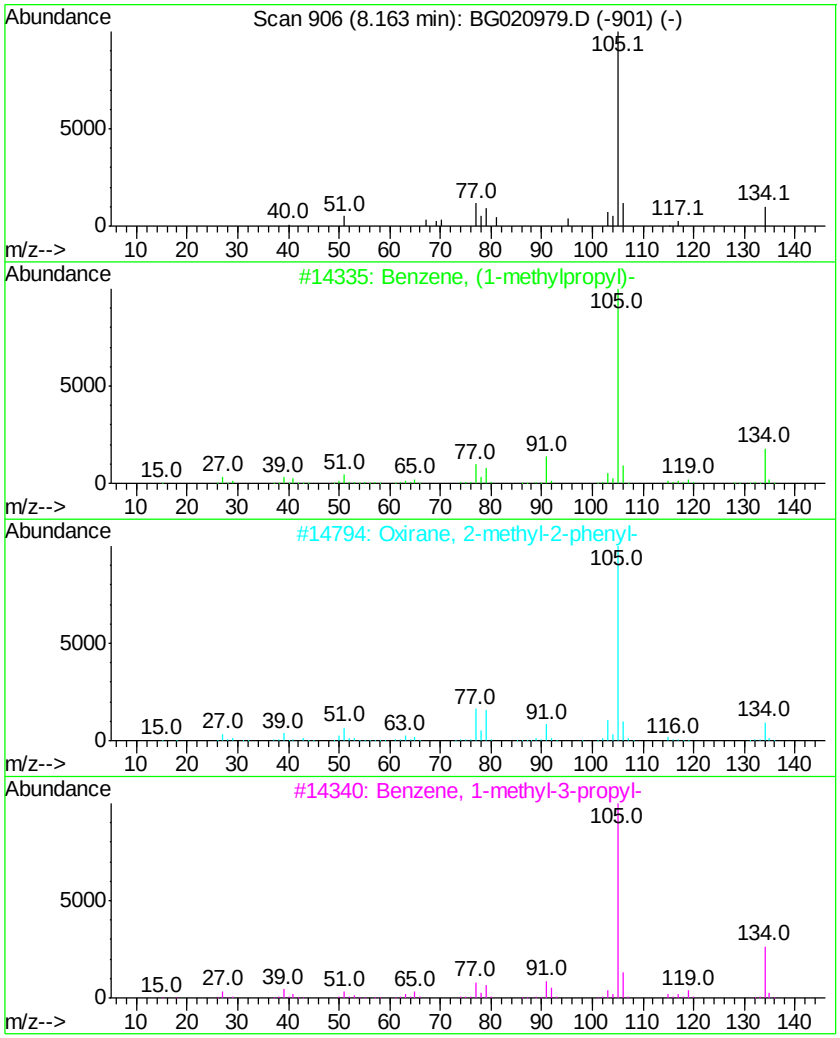
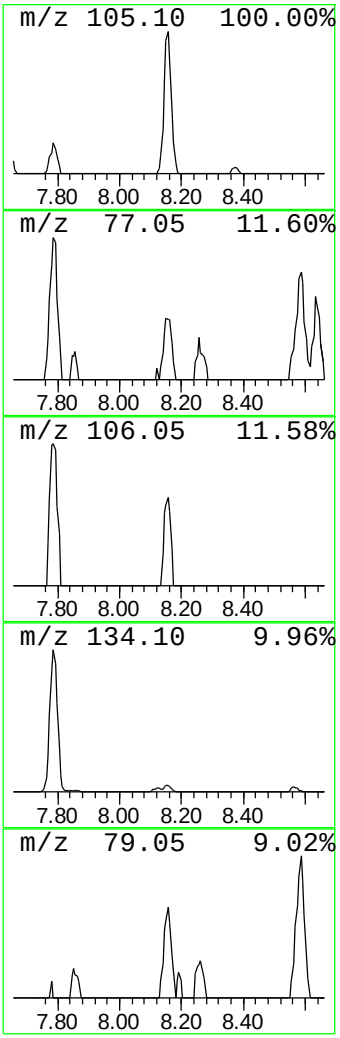
Peak Number 8 Benzene, (1-methylpropyl)- Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.16	5.54 ng	30300	1,4-Dichlorobenzene-d4	8.26

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, (1-methylpropyl)-	134	C10H14	000135-98-8	86
2	Oxirane, 2-methyl-2-phenyl-	134	C9H10O	002085-88-3	86
3	Benzene, 1-methyl-3-propyl-	134	C10H14	001074-43-7	80
4	Benzene, 1-methyl-2-propyl-	134	C10H14	001074-17-5	78
5	Benzeneacetaldehyde, .alpha.-met...	134	C9H10O	000093-53-8	78





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Acq On : 19 Feb 2016 19:36
Operator : SJ/UM
Sample : H1509-02
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : MW-1

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

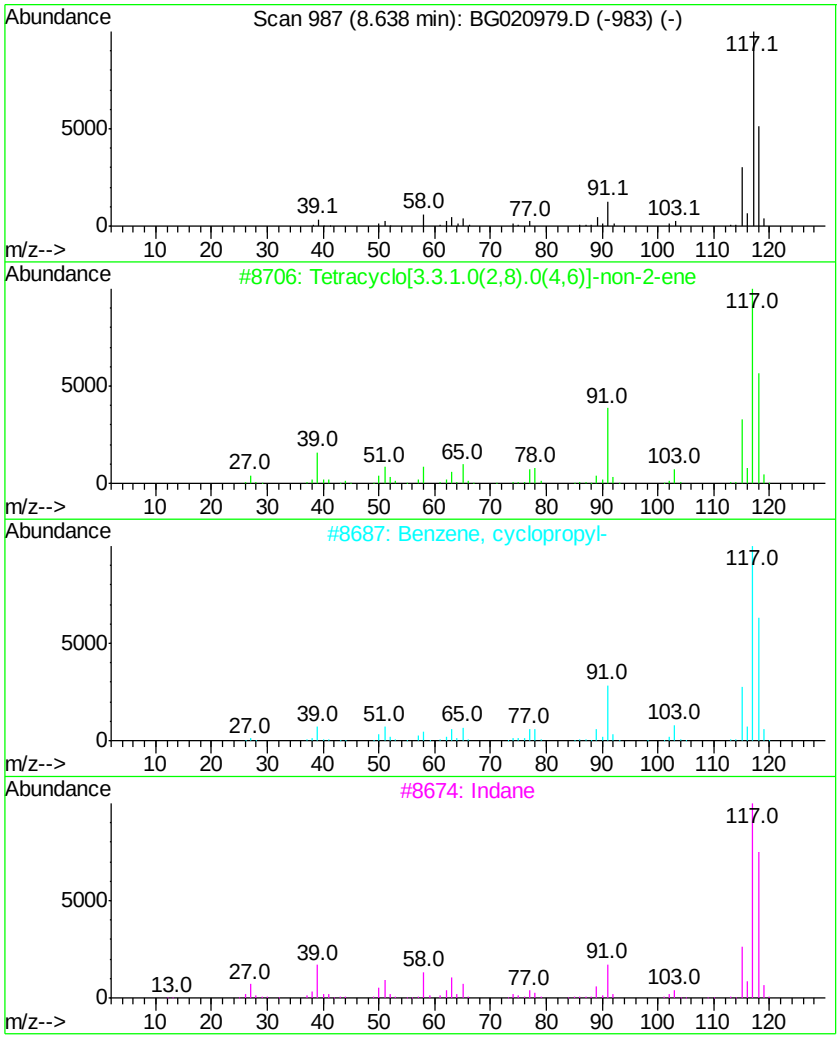
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

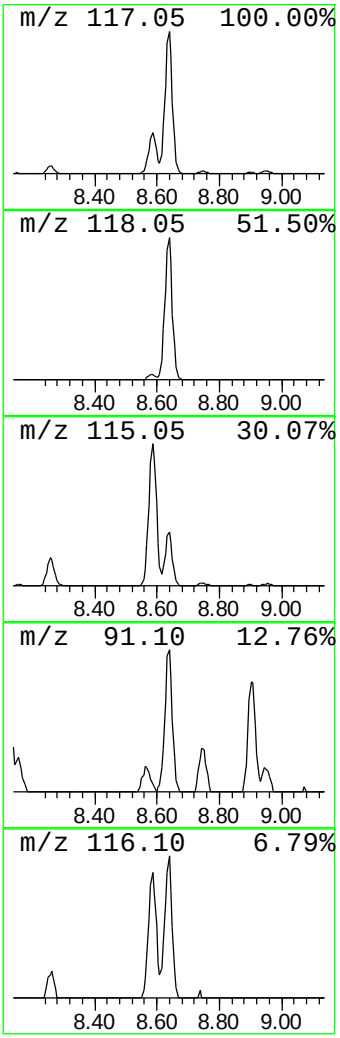
****

Peak Number 10 Tetracyclo[3.3.1.0(2,8).0(4... Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.64	31.75 ng	173679	1,4-Dichlorobenzene-d4	8.26

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Tetracyclo[3.3.1.0(2,8).0(4,6)]-...	118	C9H10	1000191-13-7	80
2	Benzene, cyclopropyl-	118	C9H10	000873-49-4	64
3	Indane	118	C9H10	000496-11-7	60
4	Benzaldehyde, 4-(1-phenyl-2-prop...	238	C16H14O2	1000277-56-1	53
5	Benzene, 1,1'-(1,5-hexadiene-1,6...	234	C18H18	004439-45-6	50





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Acq On : 19 Feb 2016 19:36
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Sample : H1509-02
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : MW-1

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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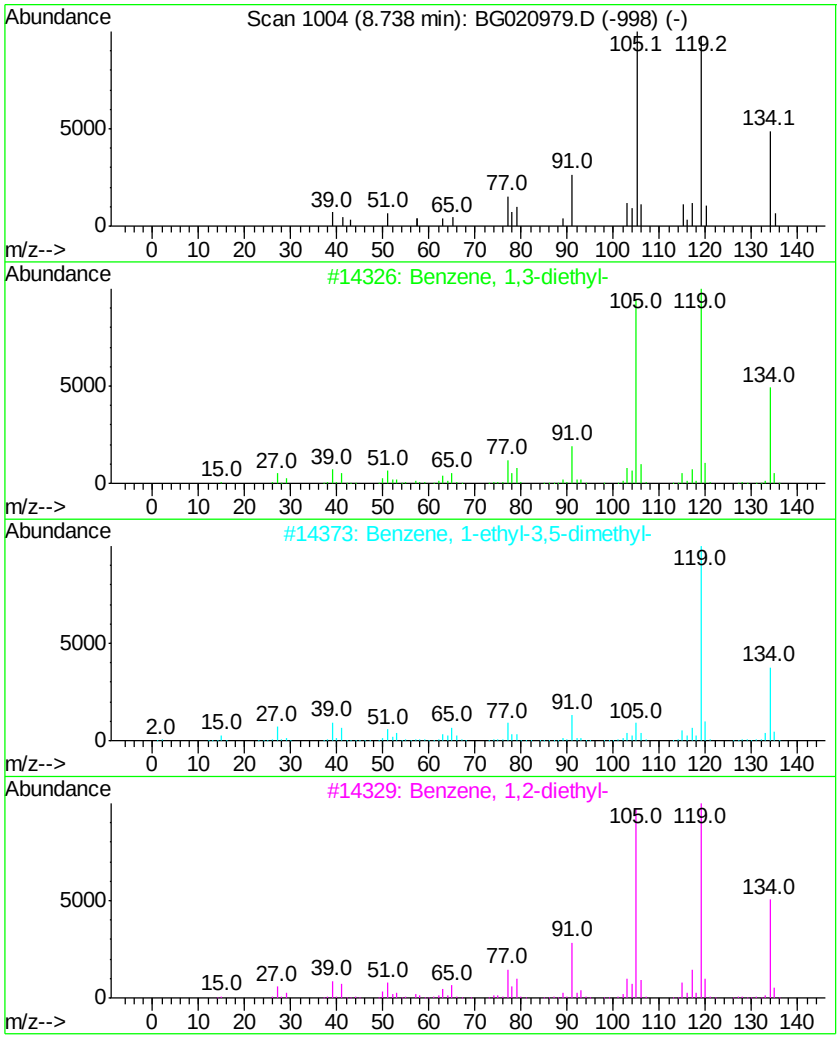
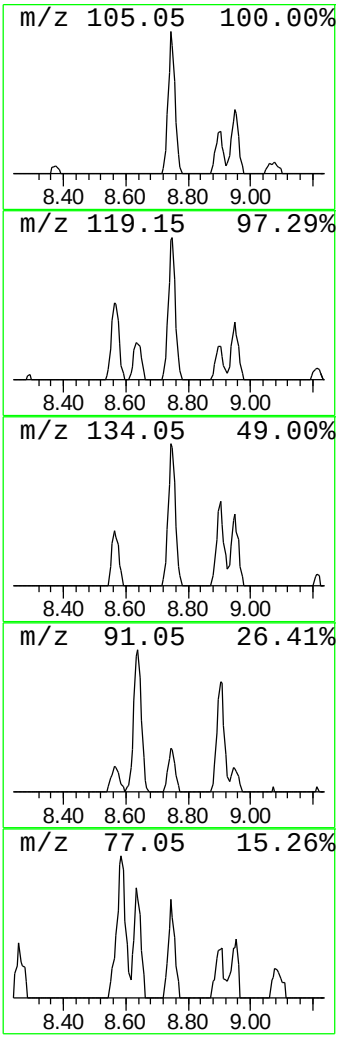
Peak Number 11 Benzene, 1,3-diethyl- Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.74	7.76 ng	42454	1,4-Dichlorobenzene-d4	8.26

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1,3-diethyl-	134	C10H14	000141-93-5	94
2	Benzene, 1-ethyl-3,5-dimethyl-	134	C10H14	000934-74-7	91
3	Benzene, 1,2-diethyl-	134	C10H14	000135-01-3	91
4	Benzene, 1,4-diethyl-	134	C10H14	000105-05-5	91
5	Benzene, 2-ethyl-1,3-dimethyl-	134	C10H14	002870-04-4	87





Library Search Compound Report

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Data File : BG020979.D
Acq On : 19 Feb 2016 19:36
Operator : SJ/UM
Sample : H1509-02
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : MW-1

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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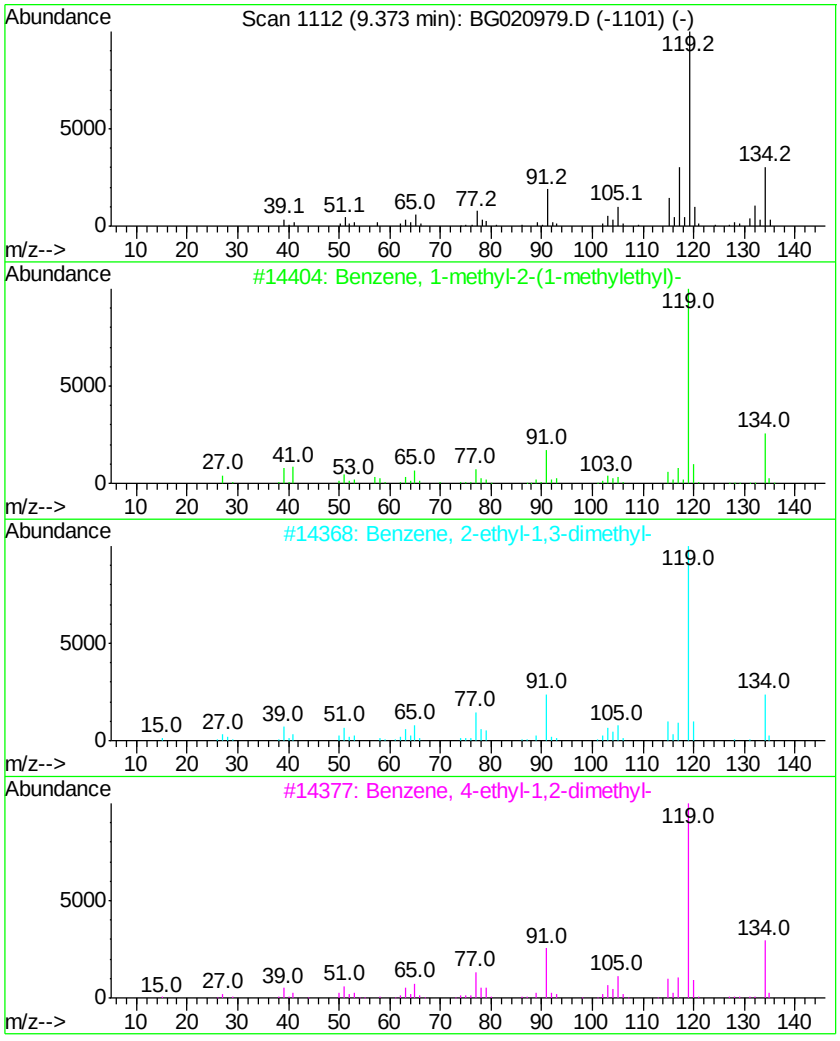
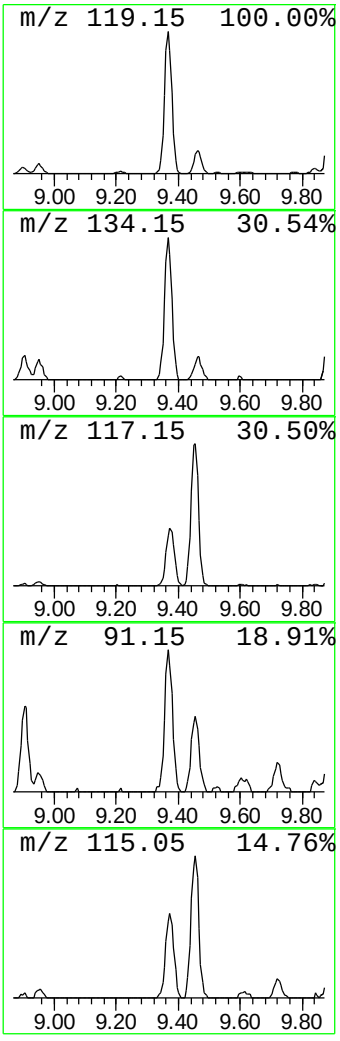
Peak Number 12 Benzene, 1-methyl-2-(1-meth... Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.37	35.89 ng	196307	1,4-Dichlorobenzene-d4	8.26

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-methyl-2-(1-methyleth...	134	C10H14	000527-84-4	93
2	Benzene, 2-ethyl-1,3-dimethyl-	134	C10H14	002870-04-4	93
3	Benzene, 4-ethyl-1,2-dimethyl-	134	C10H14	000934-80-5	91
4	Benzene, 1-ethyl-2,3-dimethyl-	134	C10H14	000933-98-2	91
5	Benzene, 1-ethyl-3,5-dimethyl-	134	C10H14	000934-74-7	87





Library Search Compound Report

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Operator : SJ/UM
Sample : H1509-02
Misc :
ALS Vial : 12 Sample Multiplier: 1

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ClientSampleId : MW-1

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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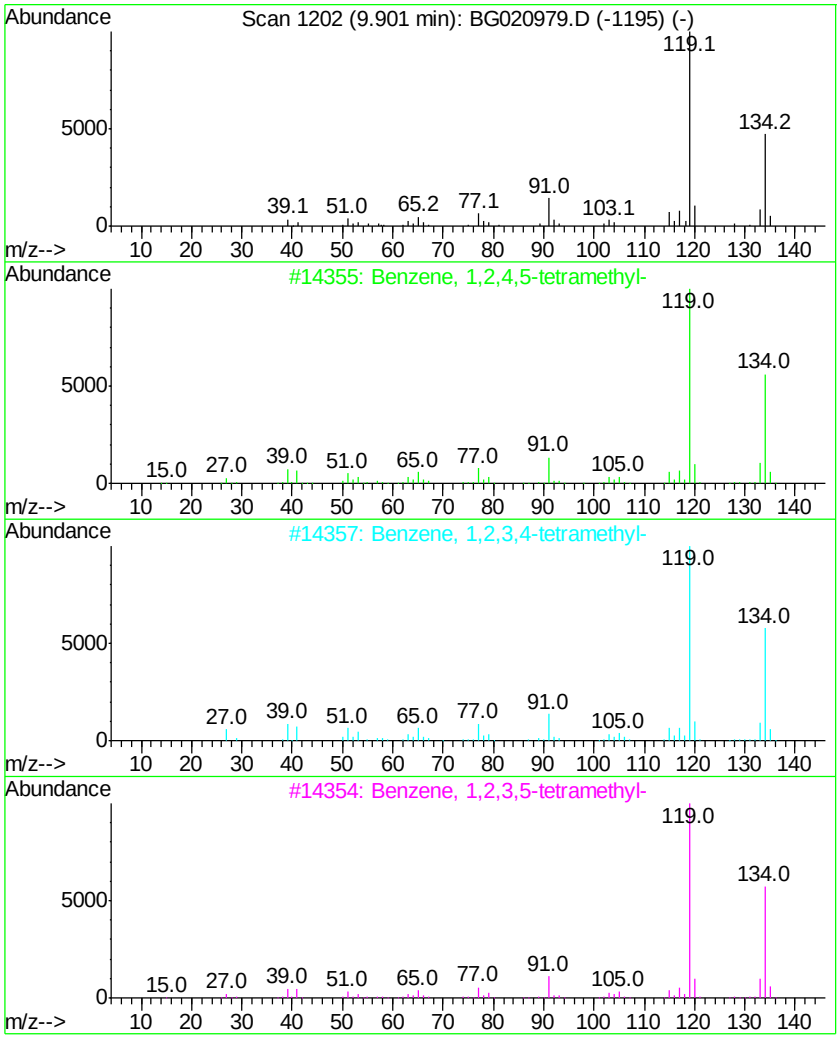
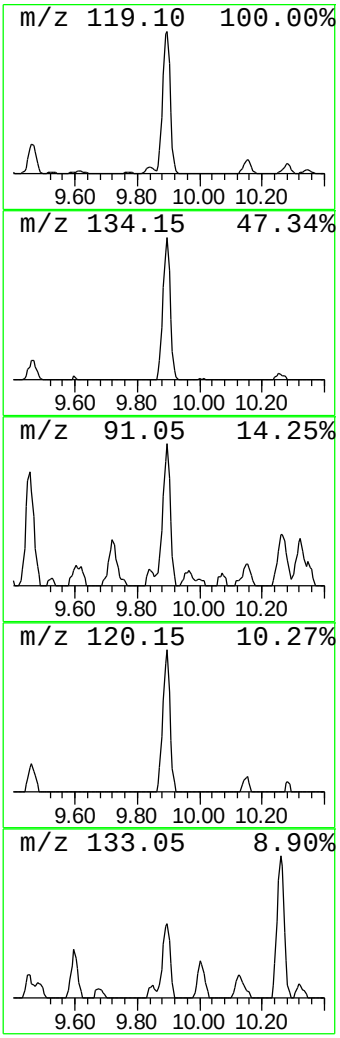
Peak Number 13 Benzene, 1,2,3,4-tetramethyl- Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.90	9.18 ng	129660	Naphthalene-d8	11.08

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1,2,4,5-tetramethyl-	134	C10H14	000095-93-2	95
2	Benzene, 1,2,3,4-tetramethyl-	134	C10H14	000488-23-3	94
3	Benzene, 1,2,3,5-tetramethyl-	134	C10H14	000527-53-7	94
4	Benzene, 1-methyl-2-(1-methyleth...	134	C10H14	000527-84-4	94
5	Benzene, 1-ethyl-3,5-dimethyl-	134	C10H14	000934-74-7	91





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Acq On : 19 Feb 2016 19:36
Operator : SJ/UM
Sample : H1509-02
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : MW-1

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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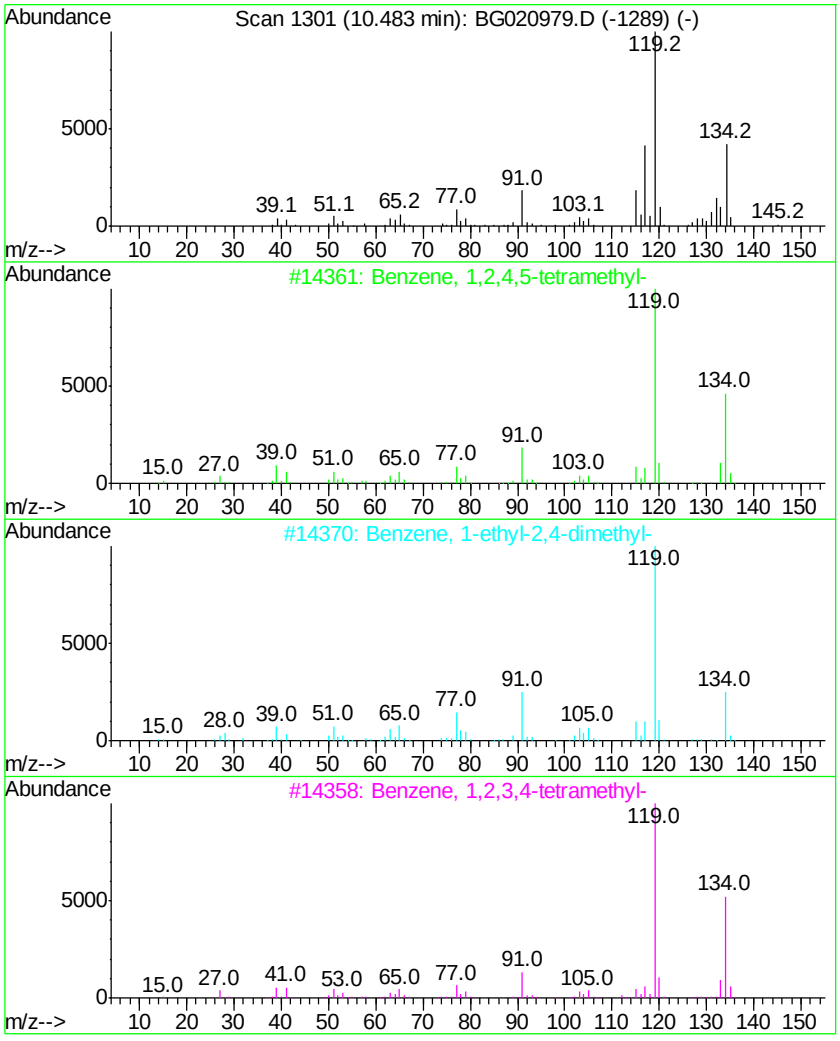
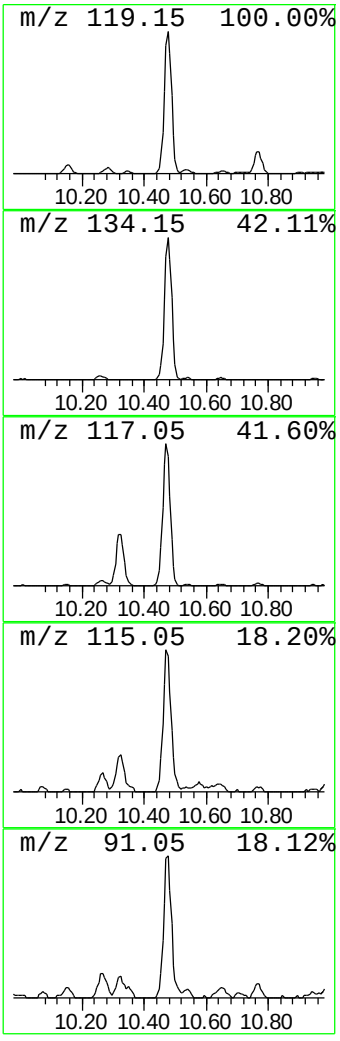
Peak Number 14 Benzene, 1,2,4,5-tetramethyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.48	23.93 ng	338128	Naphthalene-d8	11.08

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1,2,4,5-tetramethyl-	134	C10H14	000095-93-2	91
2	Benzene, 1-ethyl-2,4-dimethyl-	134	C10H14	000874-41-9	64
3	Benzene, 1,2,3,4-tetramethyl-	134	C10H14	000488-23-3	64
4	Benzene, 1,2,3,5-tetramethyl-	134	C10H14	000527-53-7	64
5	Benzene, 1-methyl-3-(1-methyleth...	134	C10H14	000535-77-3	64





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Acq On : 19 Feb 2016 19:36
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Sample : H1509-02
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : MW-1

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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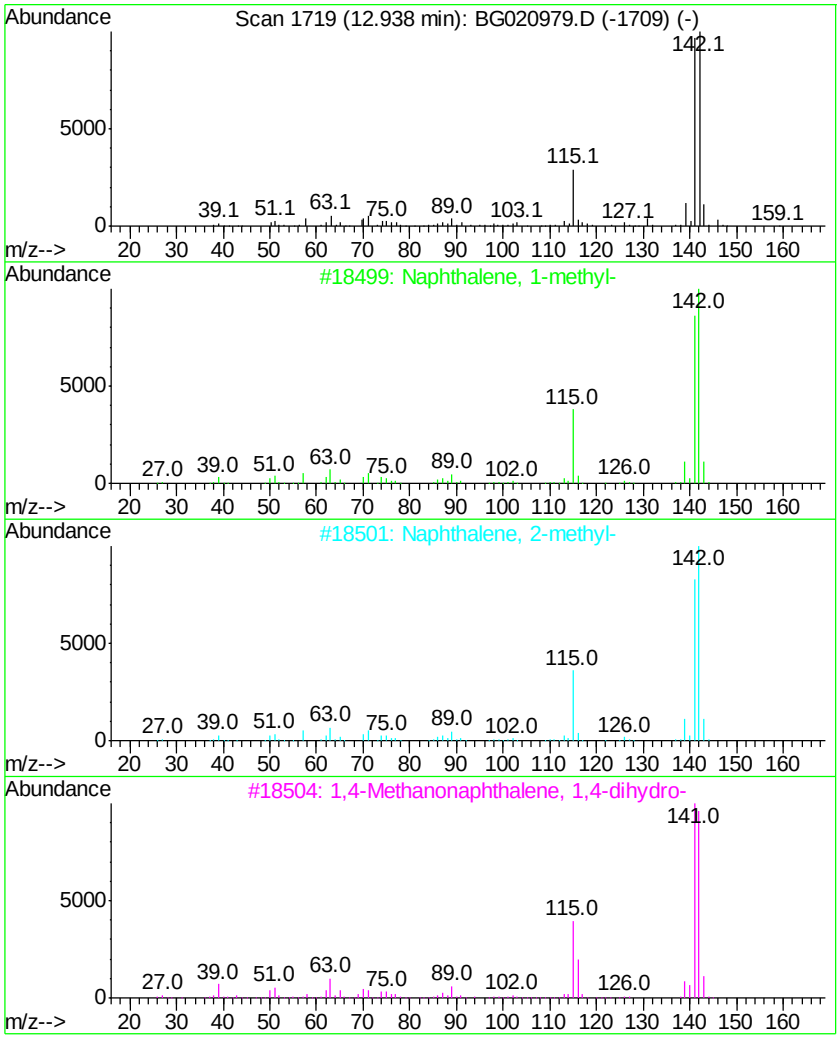
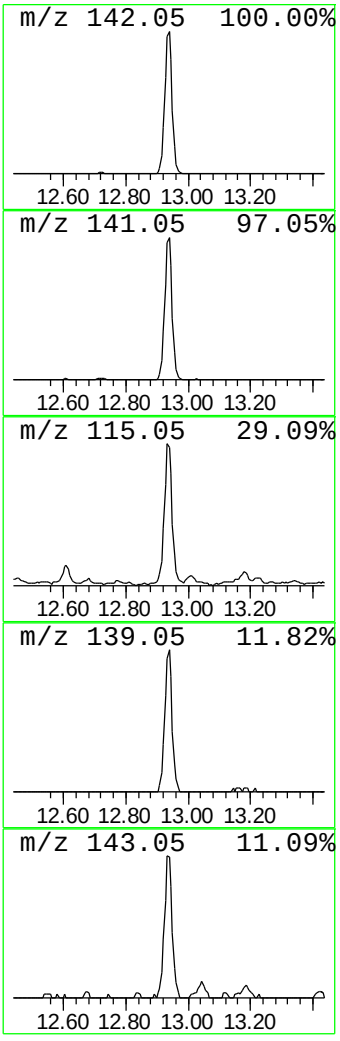
Peak Number 15 Naphthalene, 1-methyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.94	25.71 ng	363189	Naphthalene-d8	11.08

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	94
3	1,4-Methanonaphthalene, 1,4-dihy...	142	C11H10	004453-90-1	91
4	Bicyclo[4.4.1]undeca-1,3,5,7,9-p...	142	C11H10	002443-46-1	91
5	Benzocycloheptatriene	142	C11H10	000264-09-5	91





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Sample : H1509-02
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : MW-1

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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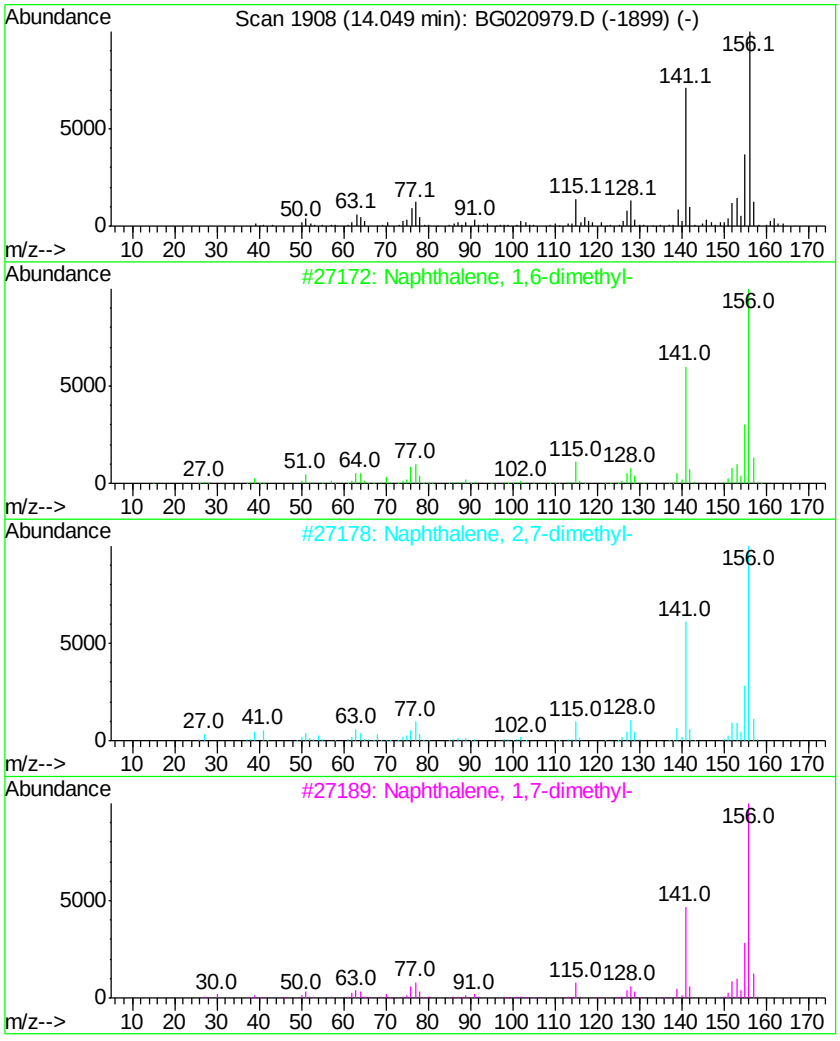
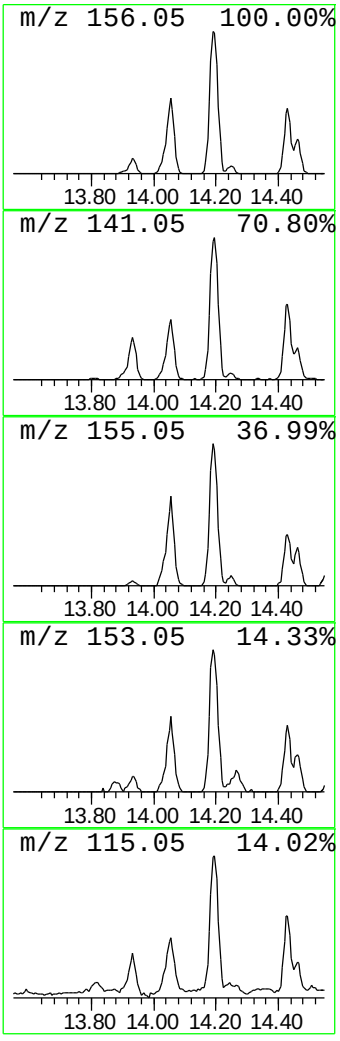
Peak Number 16 Naphthalene, 1,6-dimethyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.05	14.85 ng	241499	Acenaphthene-d10	14.87

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	97
2	Naphthalene, 2,7-dimethyl-	156	C12H12	000582-16-1	97
3	Naphthalene, 1,7-dimethyl-	156	C12H12	000575-37-1	96
4	Naphthalene, 2,6-dimethyl-	156	C12H12	000581-42-0	96
5	Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	96





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Acq On : 19 Feb 2016 19:36
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Sample : H1509-02
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : MW-1

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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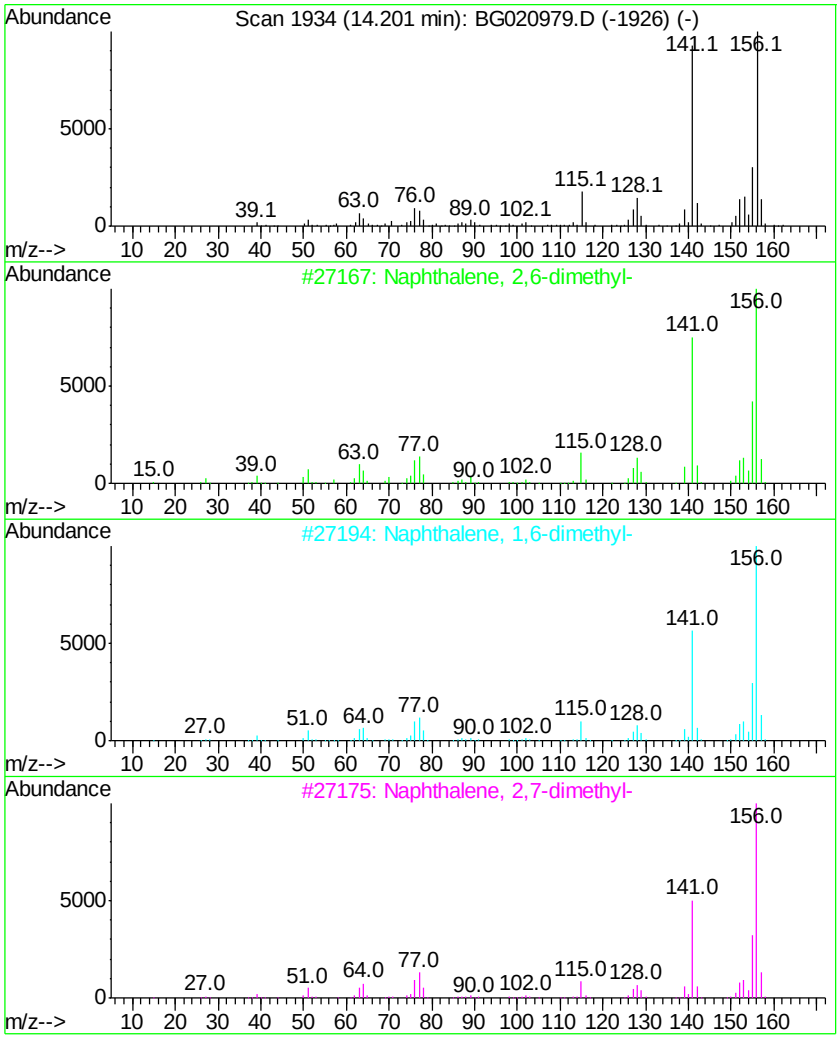
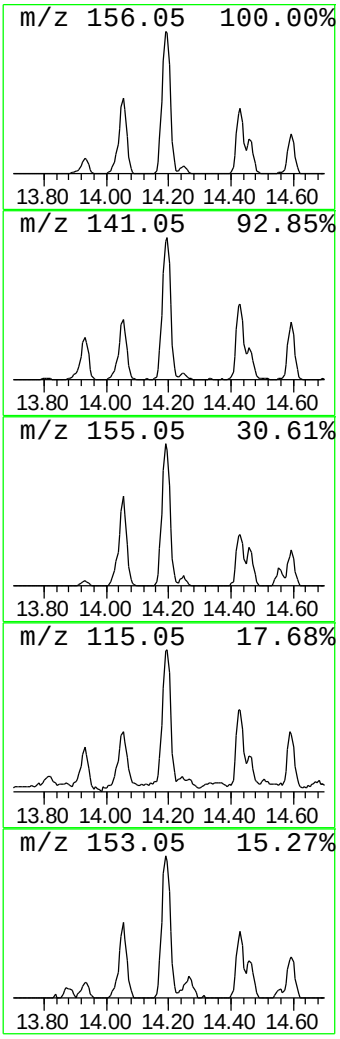
Peak Number 17 Naphthalene, 2,6-dimethyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.20	23.92 ng	389159	Acenaphthene-d10	14.87

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2,6-dimethyl-	156	C12H12	000581-42-0	97
2	Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	97
3	Naphthalene, 2,7-dimethyl-	156	C12H12	000582-16-1	97
4	Naphthalene, 1,4-dimethyl-	156	C12H12	000571-58-4	97
5	Naphthalene, 1,5-dimethyl-	156	C12H12	000571-61-9	97





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ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_G
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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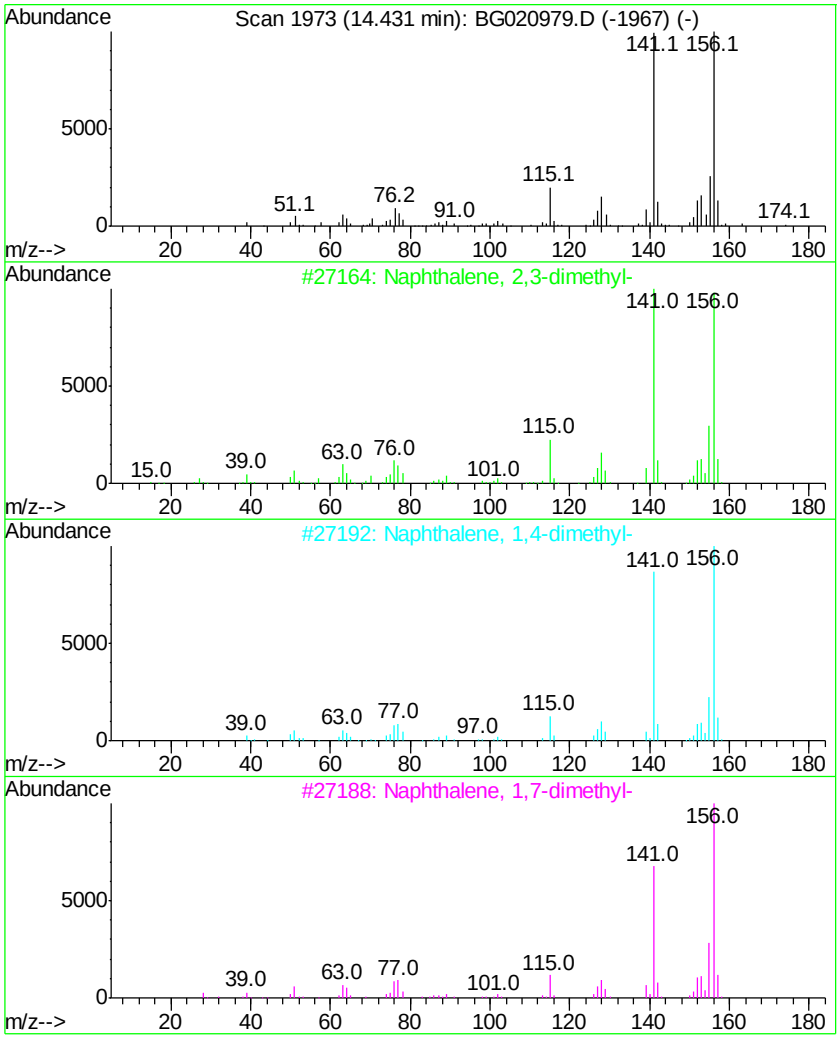
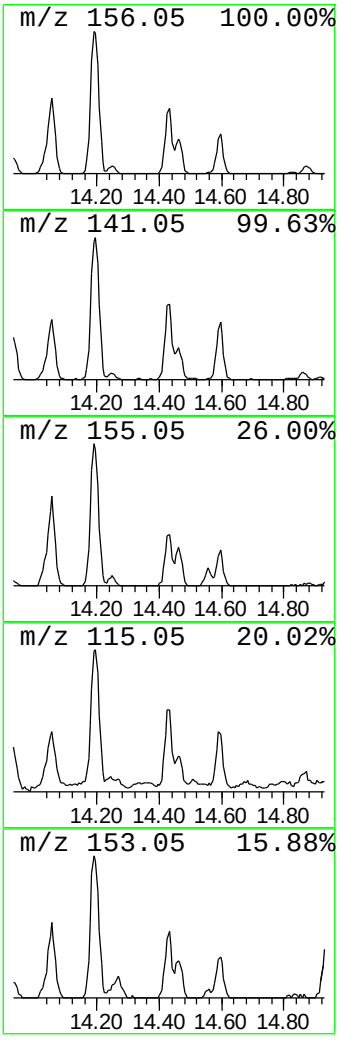
Peak Number 18 Naphthalene, 2,3-dimethyl- Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.43	10.40 ng	169190	Acenaphthene-d10	14.87

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	98
2	Naphthalene, 1,4-dimethyl-	156	C12H12	000571-58-4	97
3	Naphthalene, 1,7-dimethyl-	156	C12H12	000575-37-1	97
4	Naphthalene, 1,5-dimethyl-	156	C12H12	000571-61-9	96
5	Naphthalene, 1,8-dimethyl-	156	C12H12	000569-41-5	96





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ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : MW-1

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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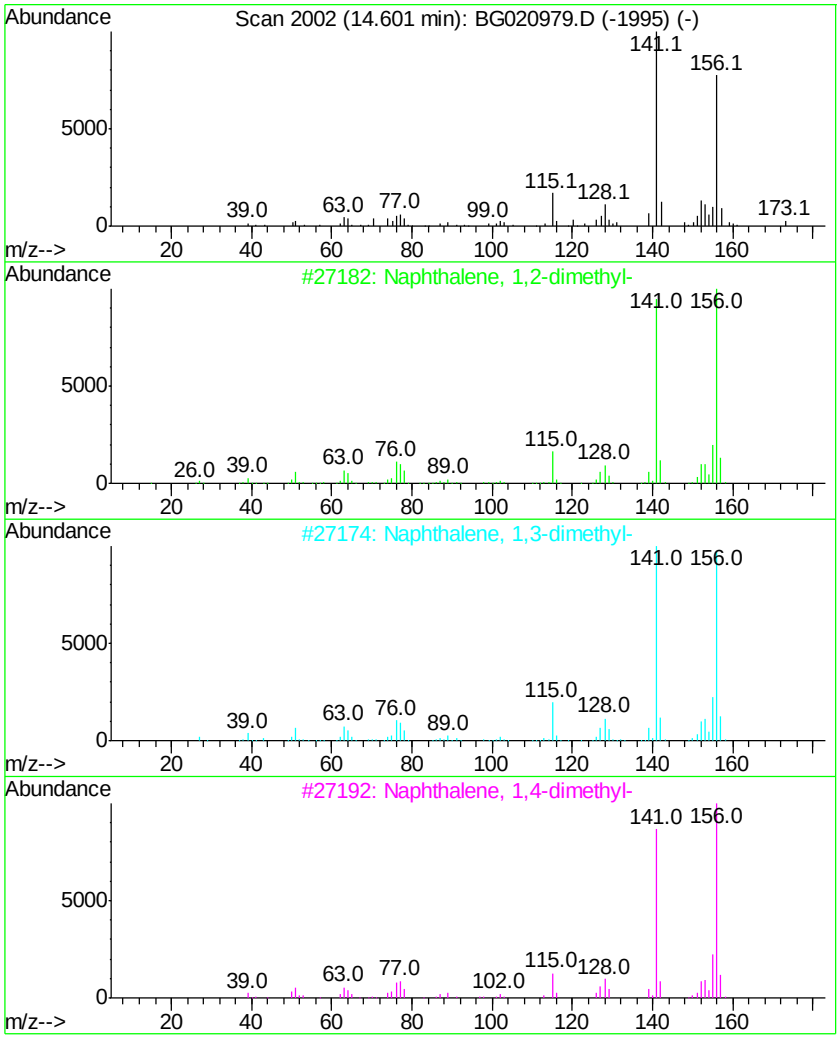
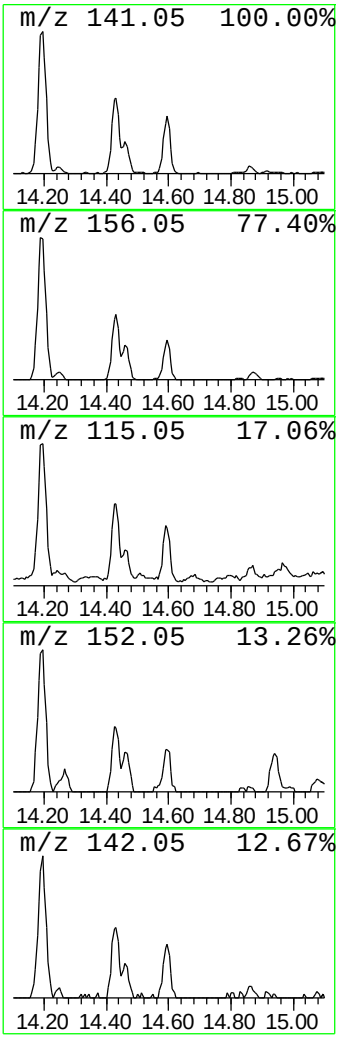
Peak Number 19 Naphthalene, 1,2-dimethyl- Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.60	7.24 ng	117829	Acenaphthene-d10	14.87

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1,2-dimethyl-	156	C12H12	000573-98-8	95
2	Naphthalene, 1,3-dimethyl-	156	C12H12	000575-41-7	94
3	Naphthalene, 1,4-dimethyl-	156	C12H12	000571-58-4	94
4	Naphthalene, 2-ethyl-	156	C12H12	000939-27-5	90
5	Naphthalene, 1-ethyl-	156	C12H12	001127-76-0	90





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Sample : H1509-02
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ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : MW-1

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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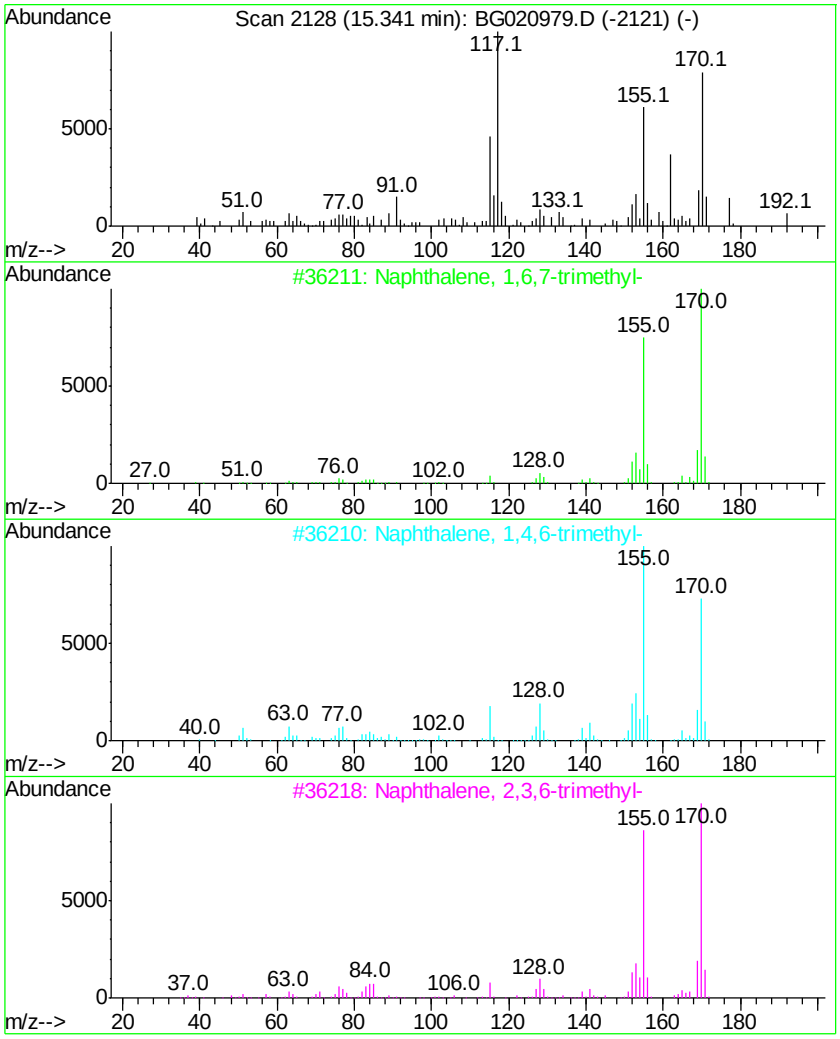
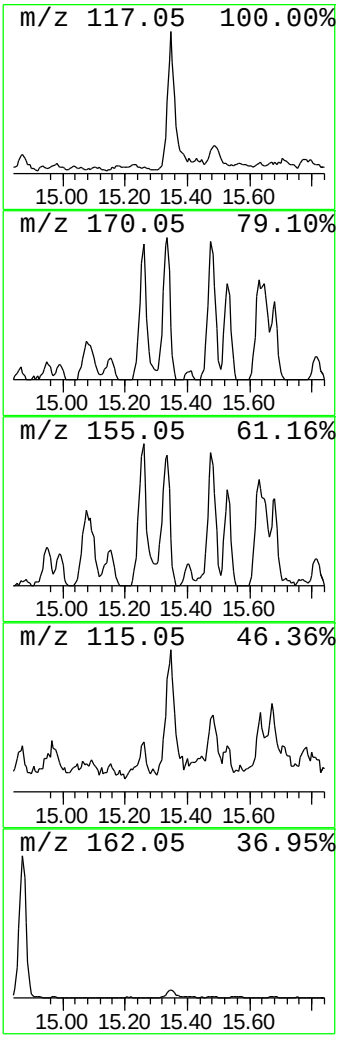
Peak Number 20 Naphthalene, 1,6,7-trimethyl- Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.34	7.09 ng	115273	Acenaphthene-d10	14.87

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1,6,7-trimethyl-	170	C13H14	002245-38-7	94
2	Naphthalene, 1,4,6-trimethyl-	170	C13H14	002131-42-2	93
3	Naphthalene, 2,3,6-trimethyl-	170	C13H14	000829-26-5	89
4	Naphthalene, 1,4,5-trimethyl-	170	C13H14	002131-41-1	64
5	Azulene, 4,6,8-trimethyl-	170	C13H14	000941-81-1	64





Tentatively Identified Compound (LSC) summary

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG021916\
Data File : BG020979.D
Acq On : 19 Feb 2016 19:36
Operator : SJ/UM
Sample : H1509-02
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : MW-1

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...	3.32	7.0	ng	38147	1	8.26	109407	20.0
Cyclohexane, methyl-	3.87	6.0	ng	32578	1	8.26	109407	20.0
unknown5.31	5.31	6.2	ng	33698	1	8.26	109407	20.0
Benzene, (1-methy...	6.72	14.2	ng	77618	1	8.26	109407	20.0
Benzene, propyl-	7.22	13.0	ng	71216	1	8.26	109407	20.0
unknown7.79	7.79	98.9	ng	541083	1	8.26	109407	20.0
Benzene, (1-methy...	8.16	5.5	ng	30300	1	8.26	109407	20.0
Tetracyclo[3.3.1....	8.64	31.8	ng	173679	1	8.26	109407	20.0
Benzene, 1,3-diet...	8.74	7.8	ng	42454	1	8.26	109407	20.0
Benzene, 1-methyl...	9.37	35.9	ng	196307	1	8.26	109407	20.0
Benzene, 1,2,3,4-...	9.90	9.2	ng	129660	2	11.08	282550	20.0
Benzene, 1,2,4,5-...	10.48	23.9	ng	338128	2	11.08	282550	20.0
Naphthalene, 1-me...	12.94	25.7	ng	363189	2	11.08	282550	20.0
Naphthalene, 1,6-...	14.05	14.9	ng	241499	3	14.87	325334	20.0
Naphthalene, 2,6-...	14.20	23.9	ng	389159	3	14.87	325334	20.0
Naphthalene, 2,3-...	14.43	10.4	ng	169190	3	14.87	325334	20.0
Naphthalene, 1,2-...	14.60	7.2	ng	117829	3	14.87	325334	20.0
Naphthalene, 1,6,...	15.34	7.1	ng	115273	3	14.87	325334	20.0