LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA G\DATA\BG110416\
Data File : BG024695.D
Acq On : 5 Nov 2016 3:43
Operator : UM/SJ
Sample : H5531-08
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : S22-0015

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-BG102516.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	3.905	175	181	189	rVB3	697448	1425639	7.70%	0.720%
2	4.140	212	221	232	rVB4	111519	250550	1.35%	0.127%
3	4.574	289	295	298	rBV4	152399	278647	1.51%	0.141%
4	4.710	307	318	327	rVB6	157036	409107	2.21%	0.207%
5	4.862	337	344	352	rVB3	159439	314116	1.70%	0.159%
6	5.326	419	423	426	rBV3	155419	239807	1.30%	0.121%
7	5.362	426	429	434	rVV	250441	417415	2.25%	0.211%
8	5.420	434	439	445	rVB3	347050	633992	3.42%	0.320%
9	5.532	453	458	468	rVB5	90250	206337	1.11%	0.104%
10	5.744	485	494	500	rVV	8081731	14789794	79.88%	7.474%
11	5.797	500	503	512	rVB	892090	1510770	8.16%	0.764%
12	5.896	512	520	535	rVB	9853375	17785725	96.07%	8.988%
13	6.126	547	559	564	rBV7	100238	291718	1.58%	0.147%
14	6.184	564	569	576	rBV4	109314	210341	1.14%	0.106%
15	6.325	589	593	604	rVB3	136911	273852	1.48%	0.138%
16	6.507	613	624	630	rBV5	214199	482090	2.60%	0.244%
17	6.731	653	662	673	rBV	2078020	3784361	20.44%	1.913%
18	7.224	739	746	754	rBV	1997359	3462870	18.70%	1.750%
19	7.307	755	760	764	rVV	211390	385141	2.08%	0.195%
20	7.395	768	775	782	rVV2	4237655	7609922	41.10%	3.846%
21	7.448	782	784	790	rVV2	134128	229077	1.24%	0.116%
22	7.641	809	817	827	rBV	4590813	8184771	44.21%	4.136%
23	7.794	835	843	851	rBV	1701940	3122219	16.86%	1.578%
24	7.906	854	862	870	rVB	10339033	18514054	100.00%	9.357%
25	8.153	901	904	909	rVB2	250330	399722	2.16%	0.202%
26	8.264	916	923	930	rBV	381816	710883	3.84%	0.359%
27	8.376	934	942	954	rVB2	4948270	9151911	49.43%	4.625%
28	8.517	956	966	967	rBV7	91103	214367	1.16%	0.108%
29	8.593	970	979	984	rVV	1567419	3091086	16.70%	1.562%
30	8.640	984	987	994	rVB	872257	1406812	7.60%	0.711%
31	8.746	1000	1005	1014	rVB	444632	724030	3.91%	0.366%
32	8.899	1025	1031	1034	rBV2	559494	1110941	6.00%	0.561%
33	9.063	1052	1059	1069	rVB	675083	1353487	7.31%	0.684%
34	9.210	1078	1084	1089	rVV	706598	1250084	6.75%	0.632%

LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA G\DATA\BG110416\
Data File : BG024695.D
Acq On : 5 Nov 2016 3:43
Operator : UM/SJ
Sample : H5531-08
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : S22-0015

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-BG102516.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

35	9.263	1089	1093	1103	rVV	787051	1750891	9.46%	0.885%
36	9.369	1105	1111	1117	rVB2	1135128	2156824	11.65%	1.090%
37	9.445	1117	1124	1131	rBV3	1818721	3751749	20.26%	1.896%
38	9.704	1162	1168	1178	rVB2	449649	874494	4.72%	0.442%
39	9.892	1195	1200	1205	rBV	449253	757772	4.09%	0.383%
40	9.950	1205	1210	1216	rVB	861930	1424824	7.70%	0.720%
41	10.180	1246	1249	1254	rVB2	189796	290148	1.57%	0.147%
42	10.268	1254	1264	1270	rBV4	757954	1609354	8.69%	0.813%
43	10.321	1270	1273	1284	rVB3	231690	499740	2.70%	0.253%
44	10.421	1285	1290	1293	rBV2	135537	250592	1.35%	0.127%
45	10.479	1293	1300	1305	rVV2	1509466	2681119	14.48%	1.355%
46	10.656	1325	1330	1335	rVB	519076	874356	4.72%	0.442%
47	10.720	1335	1341	1346	rBV	385715	643509	3.48%	0.325%
48	10.773	1346	1350	1358	rVB3	392209	716574	3.87%	0.362%
49	10.938	1372	1378	1381	rBV5	145149	284002	1.53%	0.144%
50	10.996	1384	1388	1393	rVB4	122847	240986	1.30%	0.122%
51	11.061	1393	1399	1400	rBV3	155390	239535	1.29%	0.121%
52	11.096	1400	1405	1408	rVV	386873	689396	3.72%	0.348%
53	11.143	1408	1413	1420	rVB	2433612	4466397	24.12%	2.257%
54	11.361	1441	1450	1460	rBV	232013	849537	4.59%	0.429%
55	11.449	1460	1465	1470	rVV4	111361	214401	1.16%	0.108%
56	11.519	1470	1477	1483	rVB	512911	985547	5.32%	0.498%
57	11.690	1500	1506	1512	rVB	900075	1594202	8.61%	0.806%
58	11.942	1543	1549	1553	rBV7	100583	218527	1.18%	0.110%
59	12.042	1554	1566	1572	rVV3	471492	1216741	6.57%	0.615%
60	12.183	1586	1590	1600	rVB9	137893	364240	1.97%	0.184%
61	12.330	1610	1615	1621	rVB4	136765	274725	1.48%	0.139%
62	12.459	1628	1637	1647	rBV3	738035	1469221	7.94%	0.743%
63	12.600	1653	1661	1672	rBV3	485866	1255733	6.78%	0.635%
64	12.694	1672	1677	1678	rVV3	221917	348446	1.88%	0.176%
65	12.730	1678	1683	1689	rVV	1373787	2389559	12.91%	1.208%
66	12.788	1689	1693	1702	rVB3	368457	733148	3.96%	0.371%
67	12.941	1710	1719	1724	rBV2	1322077	2759238	14.90%	1.394%
68	13.041	1724	1736	1741	rVV	1044702	4201307	22.69%	2.123%
69	13.111	1742	1748	1756	rVB	1204648	2497556	13.49%	1.262%
70	13.294	1773	1779	1784	rVV2	570534	1010617	5.46%	0.511%
71	13.347	1784	1788	1796	rVB8	252066	511736	2.76%	0.259%

LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA G\DATA\BG110416\
Data File : BG024695.D
Acq On : 5 Nov 2016 3:43
Operator : UM/SJ
Sample : H5531-08
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : S22-0015

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-BG102516.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

72	13.423	1796	1801	1806	rVB5	192559	373330	2.02%	0.189%
73	13.511	1806	1816	1822	rVB	3541215	5889501	31.81%	2.976%
74	13.576	1822	1827	1831	rBV4	167500	296050	1.60%	0.150%
75	13.629	1831	1836	1839	rBV6	241437	405775	2.19%	0.205%
76	13.728	1839	1853	1864	rVB6	1549904	5748428	31.05%	2.905%
77	13.911	1880	1884	1888	rBV6	305539	606074	3.27%	0.306%
78	13.987	1893	1897	1901	rVV2	219074	351864	1.90%	0.178%
79	14.057	1906	1909	1912	rVV4	266446	412703	2.23%	0.209%
80	14.104	1912	1917	1922	rVB2	834318	1380550	7.46%	0.698%
81	14.198	1928	1933	1938	rBV2	479616	822429	4.44%	0.416%
82	14.251	1938	1942	1948	rVV3	260932	417390	2.25%	0.211%
83	14.316	1949	1953	1958	rVB2	258833	382989	2.07%	0.194%
84	14.516	1983	1987	1993	rVB2	483486	724185	3.91%	0.366%
85	14.598	1995	2001	2008	rBV8	202519	533896	2.88%	0.270%
86	14.663	2008	2012	2014	rBV2	144896	207399	1.12%	0.105%
87	14.698	2014	2018	2026	rVB5	195362	358696	1.94%	0.181%
88	14.880	2041	2049	2056	rVB2	1006397	1933454	10.44%	0.977%
89	15.015	2067	2072	2076	rBV3	315068	568988	3.07%	0.288%
90	15.068	2077	2081	2088	rVB5	222840	393450	2.13%	0.199%
91	15.262	2111	2114	2121	rVB8	100947	213862	1.16%	0.108%
92	15.344	2123	2128	2132	rBV8	146248	274184	1.48%	0.139%
93	15.491	2149	2153	2160	rBV10	101065	203042	1.10%	0.103%
94	15.573	2163	2167	2172	rBV4	128192	209147	1.13%	0.106%
95	16.366	2295	2302	2308	rBV	3954789	5974984	32.27%	3.020%
96	17.624	2510	2516	2522	rVB2	1250409	2023345	10.93%	1.023%
97	18.470	2656	2660	2666	rBV3	182997	269145	1.45%	0.136%
98	20.203	2949	2955	2961	rBV	7548151	10264711	55.44%	5.188%
99	21.919	3241	3247	3255	rVB	1515202	2647397	14.30%	1.338%
100	25.350	3820	3831	3843	rVB2	873059	2664052	14.39%	1.346%

Sum of corrected areas: 197873401

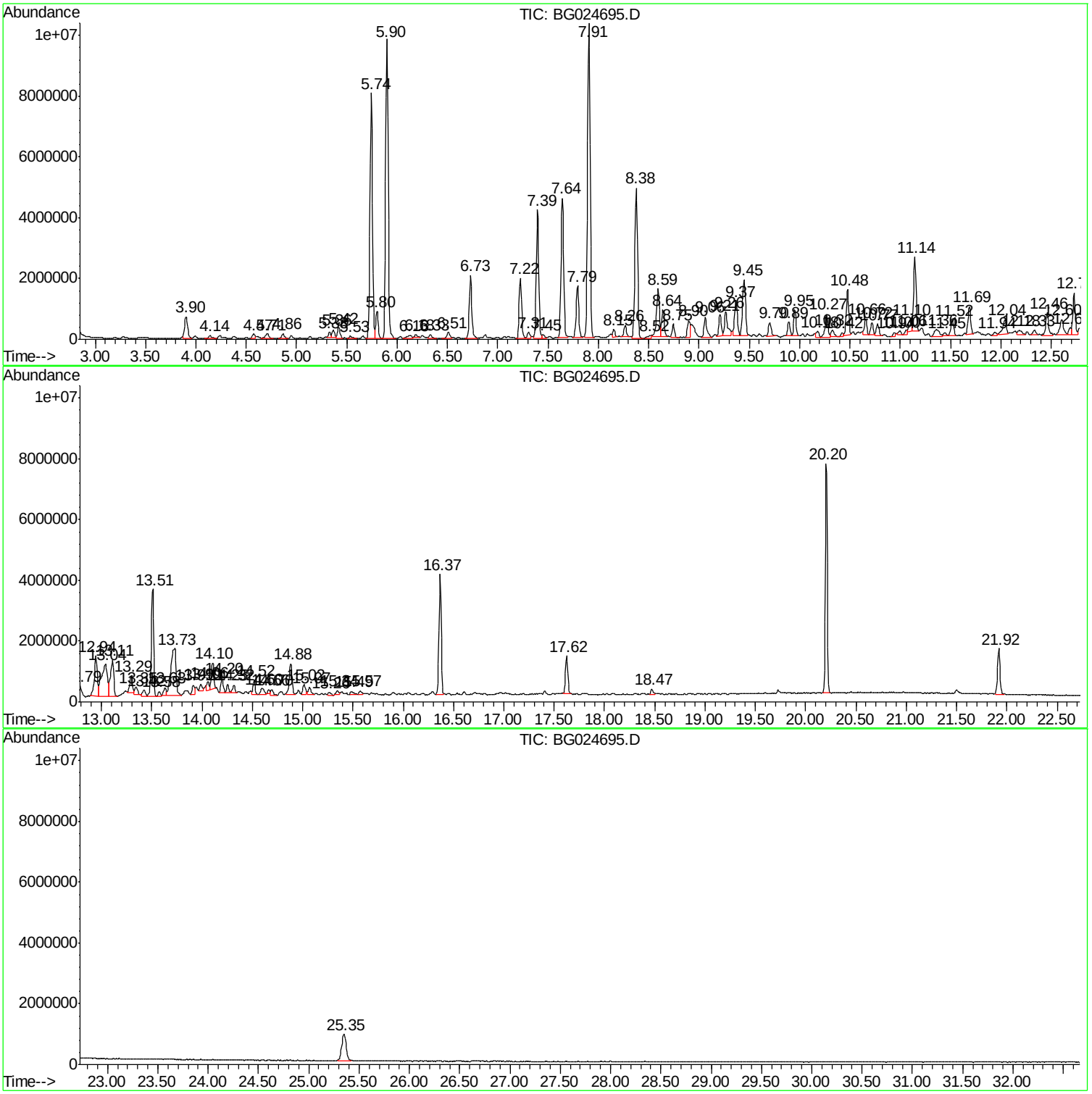
LSC Report - Integrated Chromatogram

Data Path : Z:\HPCHEM1\BNA G\DATA\BG110416\
Data File : BG024695.D
Acq On : 5 Nov 2016 3:43
Operator : UM/SJ
Sample : H5531-08
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : S22-0015

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\8270-BG102516.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\BG110416\
Data File : BG024695.D
Acq On : 5 Nov 2016 3:43
Operator : UM/SJ
Sample : H5531-08
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : S22-0015

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\8270-BG102516.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

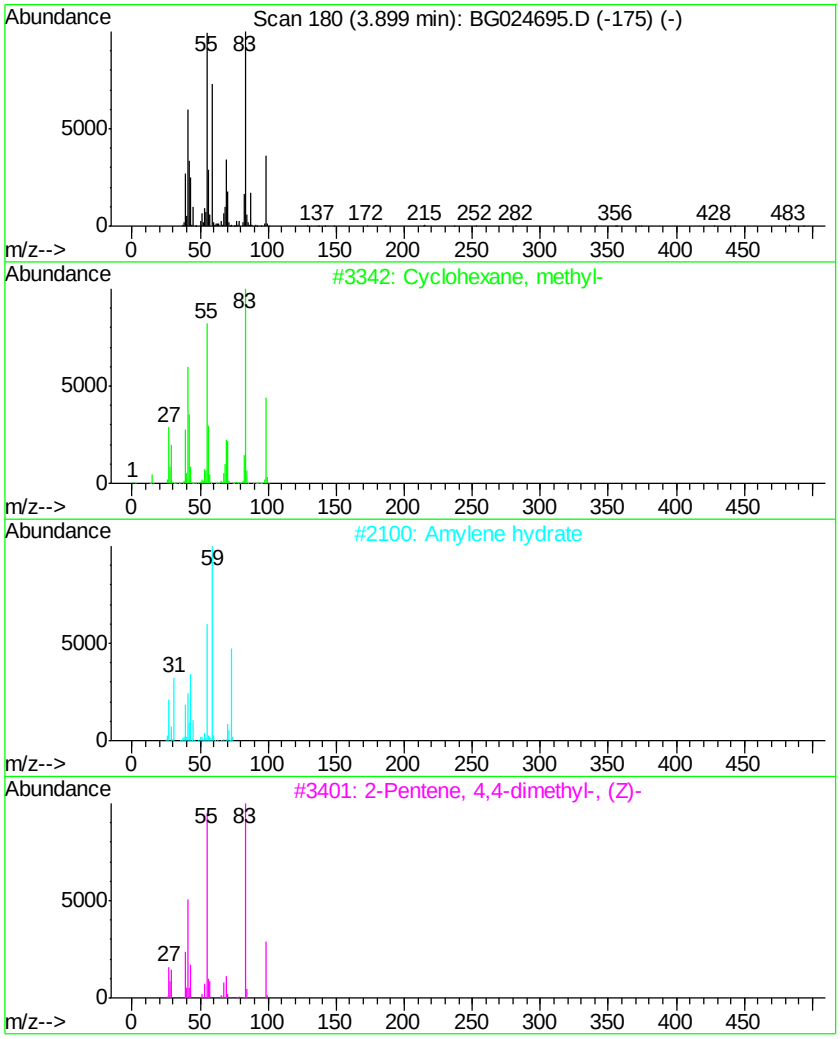
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

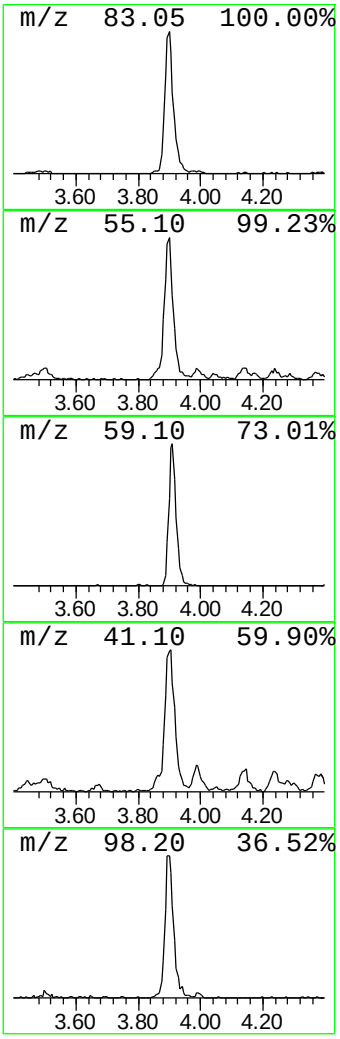
****

Peak Number 1 unknown3.90 Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.90	40.11 ng	1425640	1,4-Dichlorobenzene-d4	8.27

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, methyl-	98	C7H14	000108-87-2	46
2	Amylene hydrate	88	C5H12O	000075-85-4	27
3	2-Pentene, 4,4-dimethyl-, (Z)-	98	C7H14	000762-63-0	25
4	2-Pentene, 3,4-dimethyl-, (E)-	98	C7H14	004914-92-5	25
5	2-Pentene, 2,3-dimethyl-	98	C7H14	010574-37-5	25





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA G\DATA\BG110416\
Data File : BG024695.D
Acq On : 5 Nov 2016 3:43
Operator : UM/SJ
Sample : H5531-08
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : S22-0015

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\8270-BG102516.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

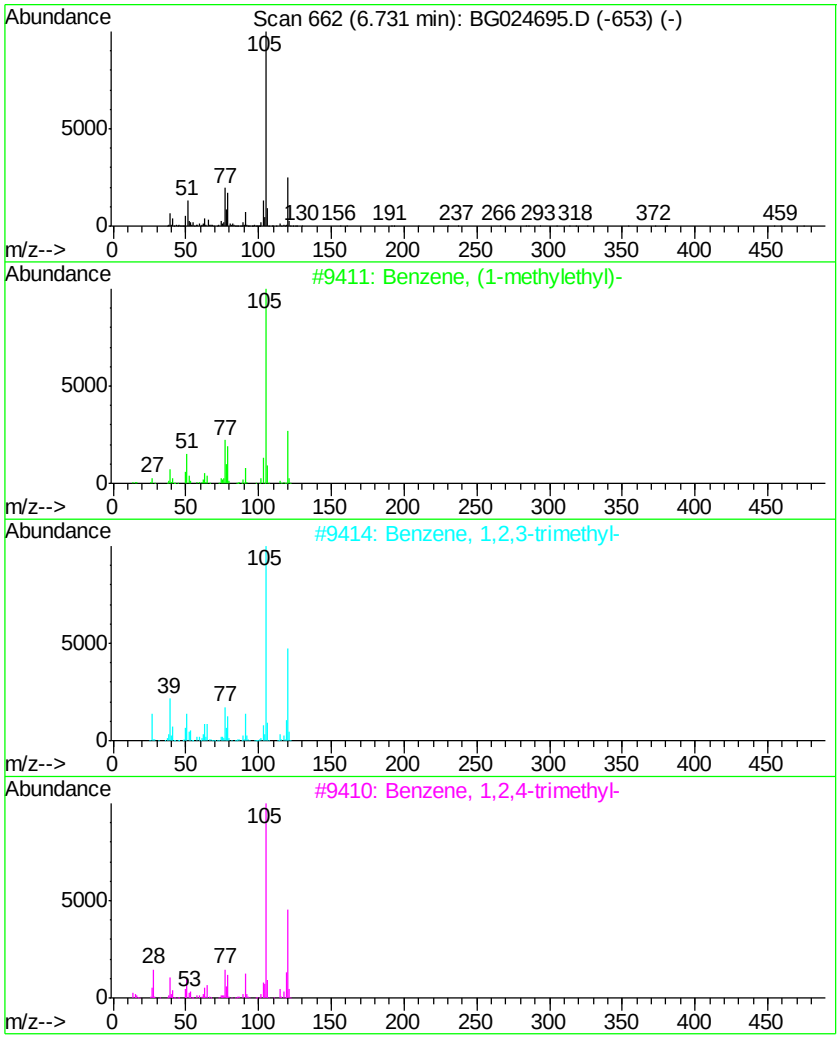
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

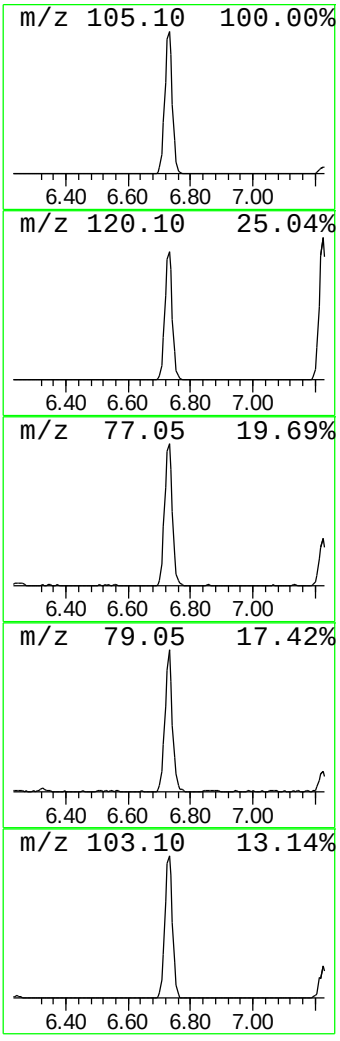
****

Peak Number 4 Benzene, (1-methylethyl)- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.73	106.47 ng	3784360	1,4-Dichlorobenzene-d4	8.27

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, (1-methylethyl)-	120	C9H12	000098-82-8	96
2	Benzene, 1,2,3-trimethyl-	120	C9H12	000526-73-8	91
3	Benzene, 1,2,4-trimethyl-	120	C9H12	000095-63-6	90
4	Benzene, 1-ethyl-2-methyl-	120	C9H12	000611-14-3	83
5	Benzene, 1-ethyl-3-methyl-	120	C9H12	000620-14-4	80





Data Path : Z:\HPCHEM1\BNA G\DATA\BG110416\
Data File : BG024695.D
Acq On : 5 Nov 2016 3:43
Operator : UM/SJ
Sample : H5531-08
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : S22-0015

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\8270-BG102516.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

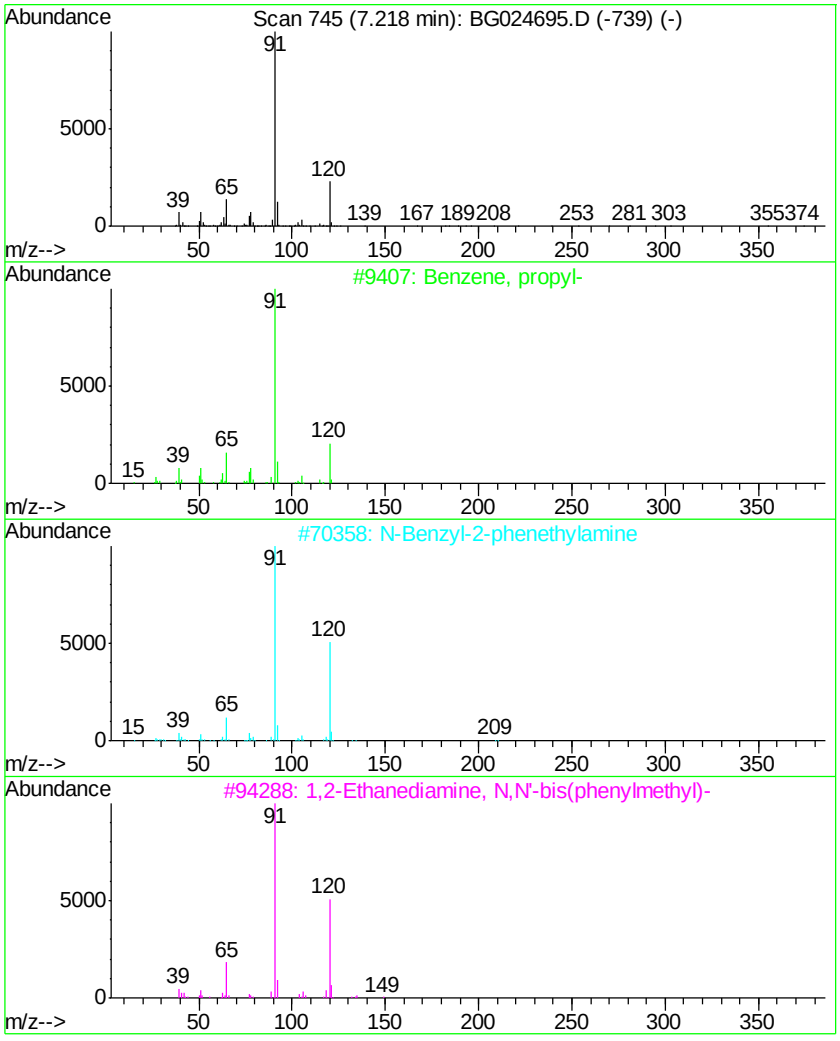
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

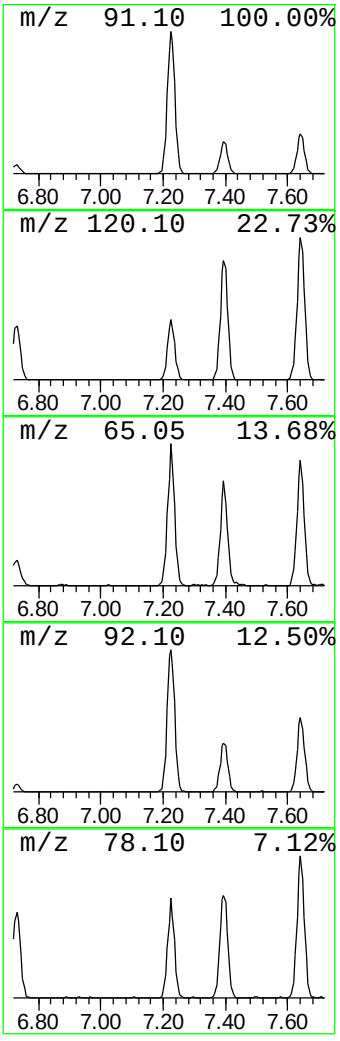
****

Peak Number 5 Benzene, propyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.22	97.42 ng	3462870	1,4-Dichlorobenzene-d4	8.27

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, propyl-	120	C9H12	000103-65-1	94
2	N-Benzyl-2-phenethylamine	211	C15H17N	003647-71-0	78
3	1,2-Ethanediamine, N,N'-bis(phen...	240	C16H20N2	000140-28-3	72
4	Ethanol, 2-[(phenylmethyl)amino]-	151	C9H13NO	000104-63-2	64
5	Benzene, (ethenyloxy)-	120	C8H8O	000766-94-9	59





Data Path : Z:\HPCHEM1\BNA G\DATA\BG110416\
Data File : BG024695.D
Acq On : 5 Nov 2016 3:43
Operator : UM/SJ
Sample : H5531-08
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : S22-0015

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\8270-BG102516.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

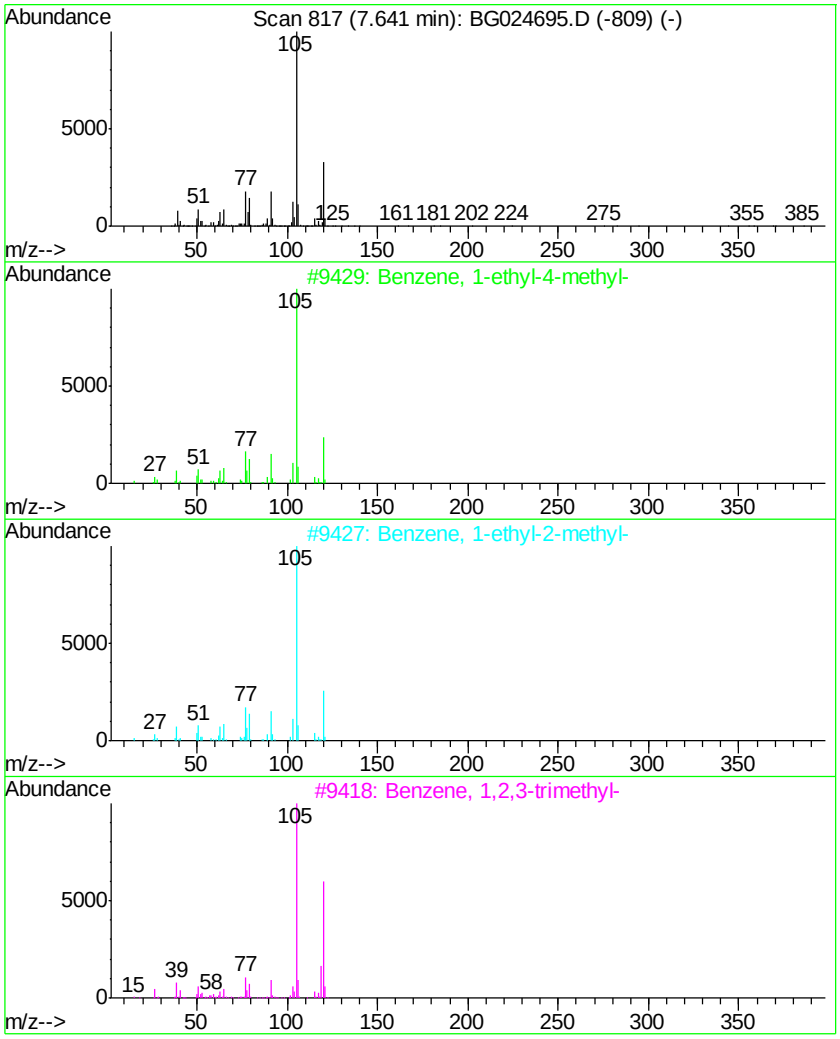
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

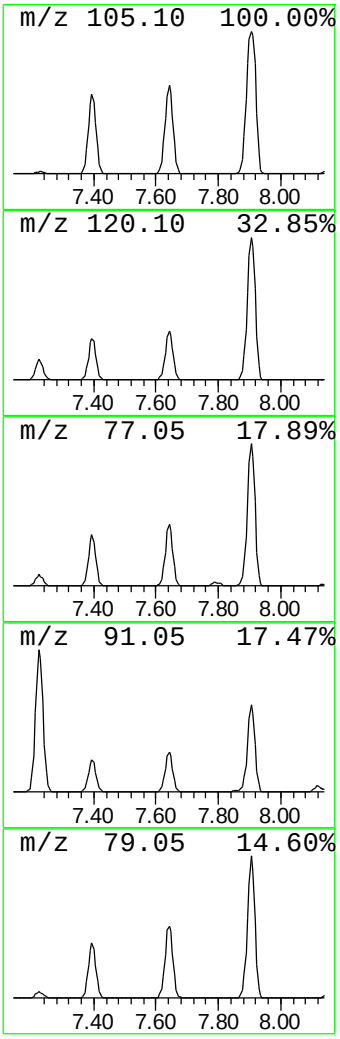
****

Peak Number 6 Benzene, 1-ethyl-4-methyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.64	230.27 ng	8184770	1,4-Dichlorobenzene-d4	8.27

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-ethyl-4-methyl-	120	C9H12	000622-96-8	95
2	Benzene, 1-ethyl-2-methyl-	120	C9H12	000611-14-3	94
3	Benzene, 1,2,3-trimethyl-	120	C9H12	000526-73-8	94
4	Benzene, 1,2,4-trimethyl-	120	C9H12	000095-63-6	91
5	2,4-Nonadiyne	120	C9H12	063621-15-8	90





Data Path : Z:\HPCHEM1\BNA G\DATA\BG110416\
Data File : BG024695.D
Acq On : 5 Nov 2016 3:43
Operator : UM/SJ
Sample : H5531-08
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : S22-0015

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\8270-BG102516.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

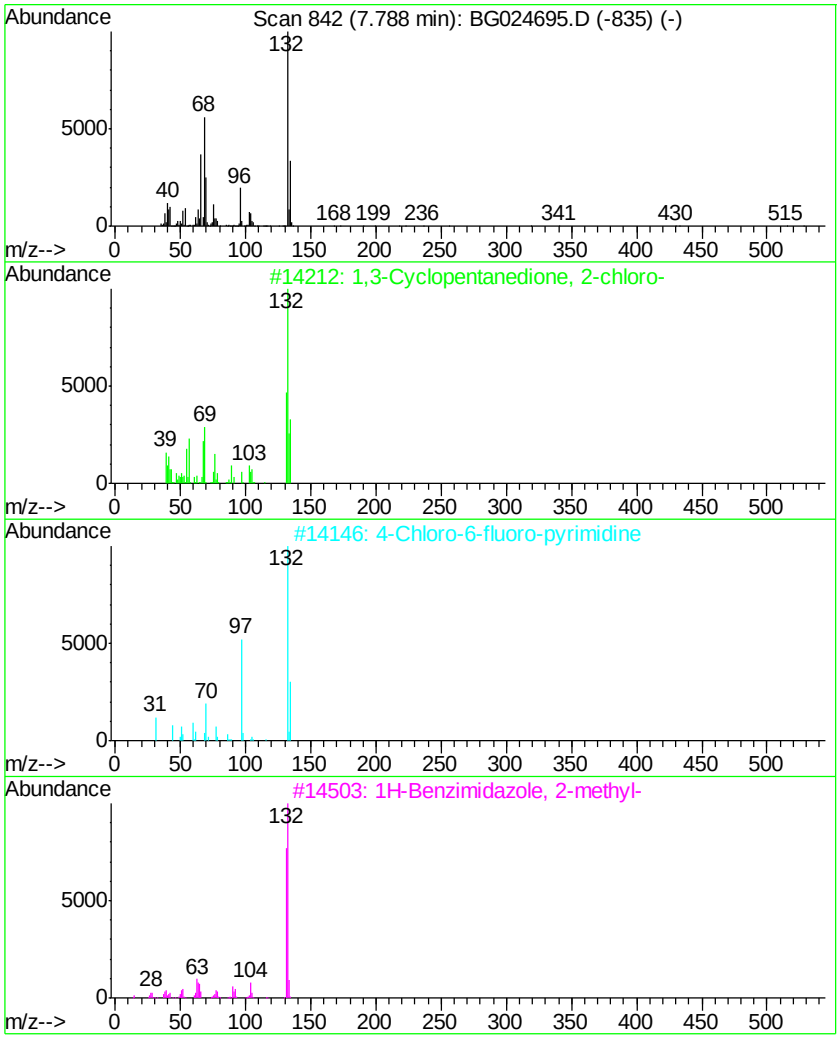
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

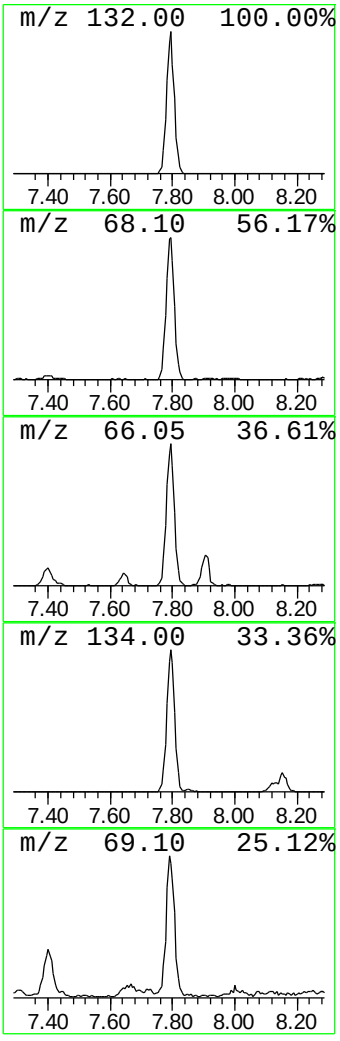
****

Peak Number 7 unknown7.79 Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.79	87.84 ng	3122220	1,4-Dichlorobenzene-d4	8.27

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,3-Cyclopentanedione, 2-chloro-	132	C5H5ClO2	014203-19-1	32
2	4-Chloro-6-fluoro-pyrimidine	132	C4H2ClFN2	051422-01-6	27
3	1H-Benzimidazole, 2-methyl-	132	C8H8N2	000615-15-6	22
4	Cyclopropanamine, 1-phenyl-	133	C9H11N	1000351-26-2	22
5	5-Fluoro-2-chloropyrimidine	132	C4H2ClFN2	062802-42-0	16





Data Path : Z:\HPCHEM1\BNA G\DATA\BG110416\
Data File : BG024695.D
Acq On : 5 Nov 2016 3:43
Operator : UM/SJ
Sample : H5531-08
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : S22-0015

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\8270-BG102516.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

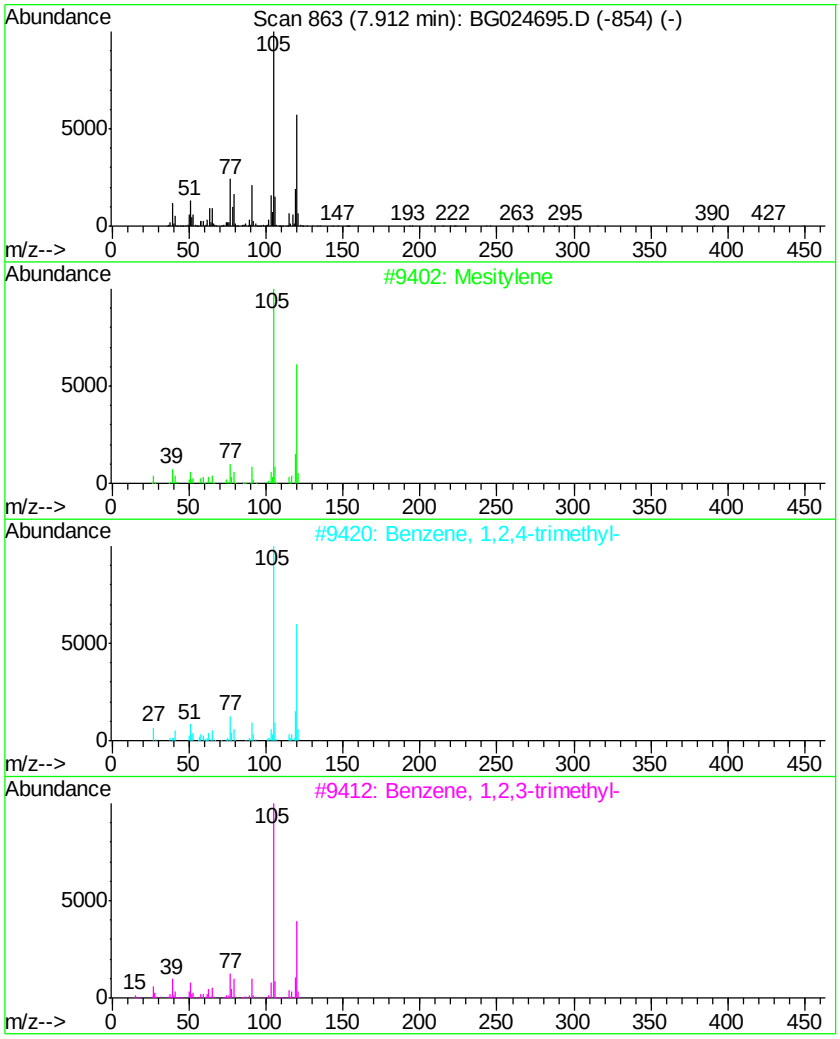
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

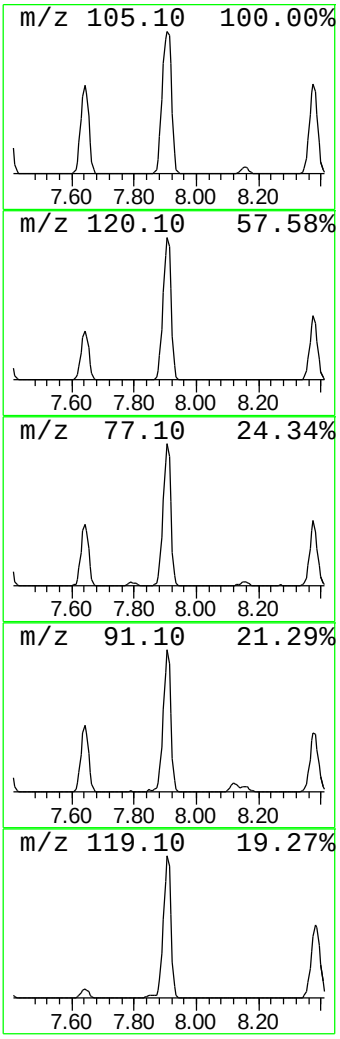
****

Peak Number 8 Mesitylene Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.91	520.88 ng	18514100	1,4-Dichlorobenzene-d4	8.27

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Mesitylene	120	C9H12	000108-67-8	90
2	Benzene, 1,2,4-trimethyl-	120	C9H12	000095-63-6	87
3	Benzene, 1,2,3-trimethyl-	120	C9H12	000526-73-8	81
4	Benzene, 1-ethyl-3-methyl-	120	C9H12	000620-14-4	81
5	1,3-Cyclopentadiene, 5-(1-methyl...	120	C9H12	003141-02-4	80





Data Path : Z:\HPCHEM1\BNA G\DATA\BG110416\
Data File : BG024695.D
Acq On : 5 Nov 2016 3:43
Operator : UM/SJ
Sample : H5531-08
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : S22-0015

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\8270-BG102516.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

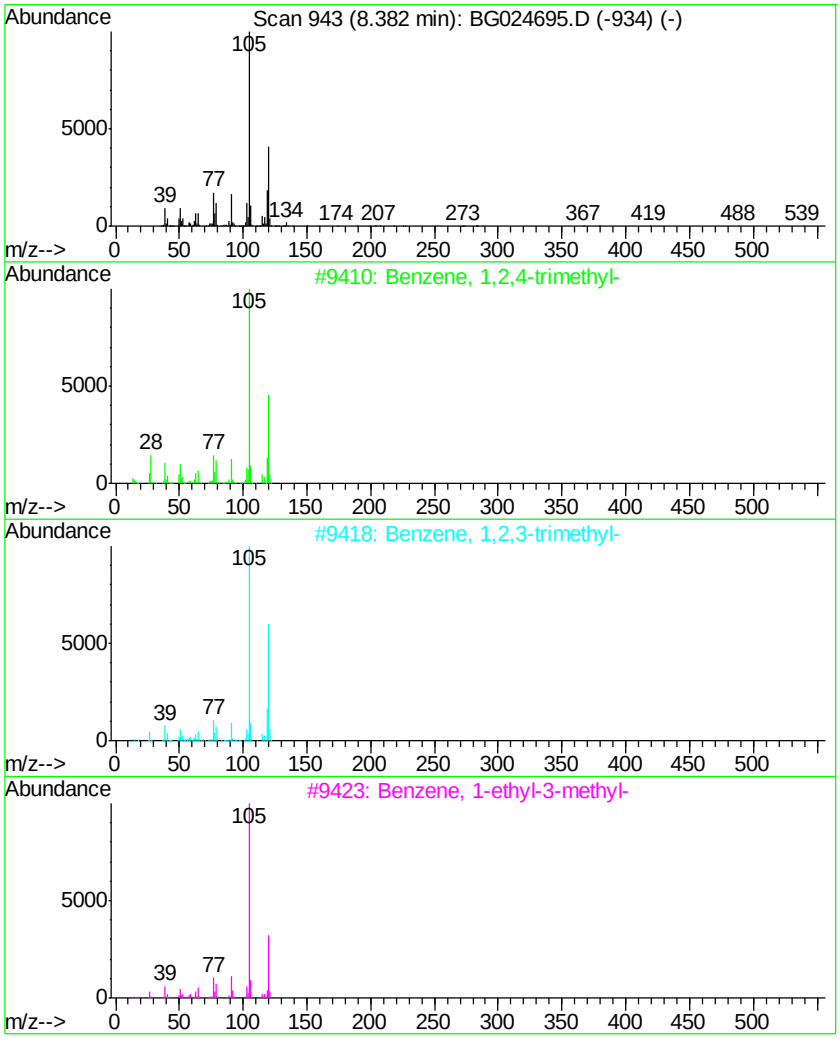
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

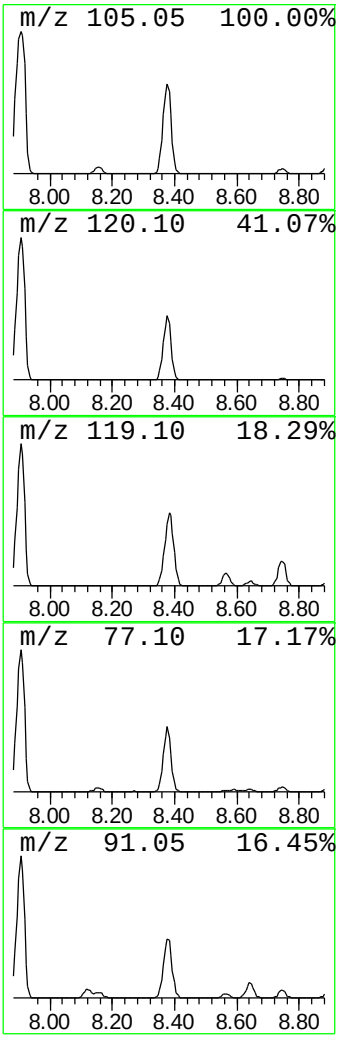
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.38	257.48 ng	9151910	1,4-Dichlorobenzene-d4	8.27

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





Data Path : Z:\HPCHEM1\BNA G\DATA\BG110416\
Data File : BG024695.D
Acq On : 5 Nov 2016 3:43
Operator : UM/SJ
Sample : H5531-08
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : S22-0015

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\8270-BG102516.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

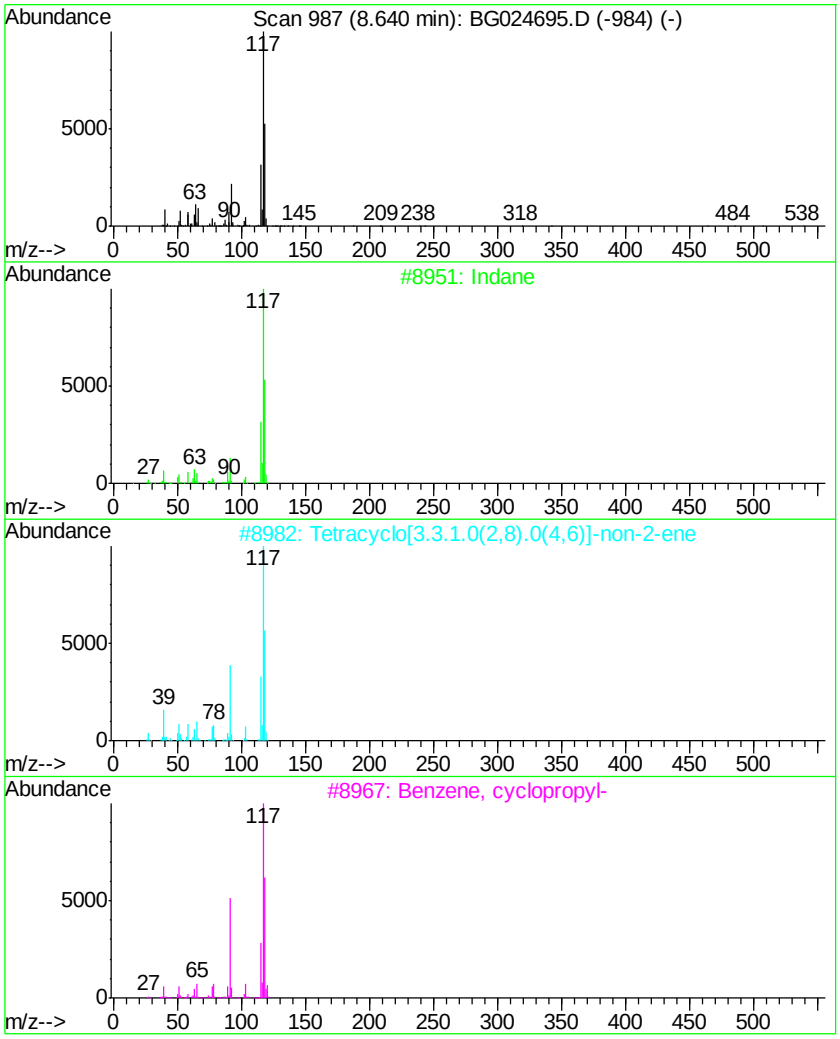
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

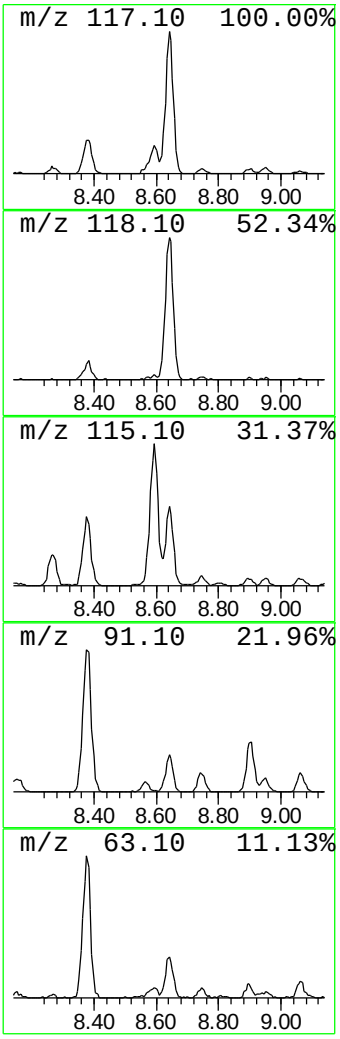
****

Peak Number 11 Indane Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.64	39.58 ng	1406810	1,4-Dichlorobenzene-d4	8.27

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Indane	118	C9H10	000496-11-7	87
2	Tetracyclo[3.3.1.0(2,8).0(4,6)]-...	118	C9H10	1000191-13-7	87
3	Benzene, cyclopropyl-	118	C9H10	000873-49-4	72
4	Benzene, 1-ethenyl-4-methyl-	118	C9H10	000622-97-9	52
5	Indan, 1-methyl-	132	C10H12	000767-58-8	50





Data Path : Z:\HPCHEM1\BNA G\DATA\BG110416\
Data File : BG024695.D
Acq On : 5 Nov 2016 3:43
Operator : UM/SJ
Sample : H5531-08
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : S22-0015

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\8270-BG102516.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

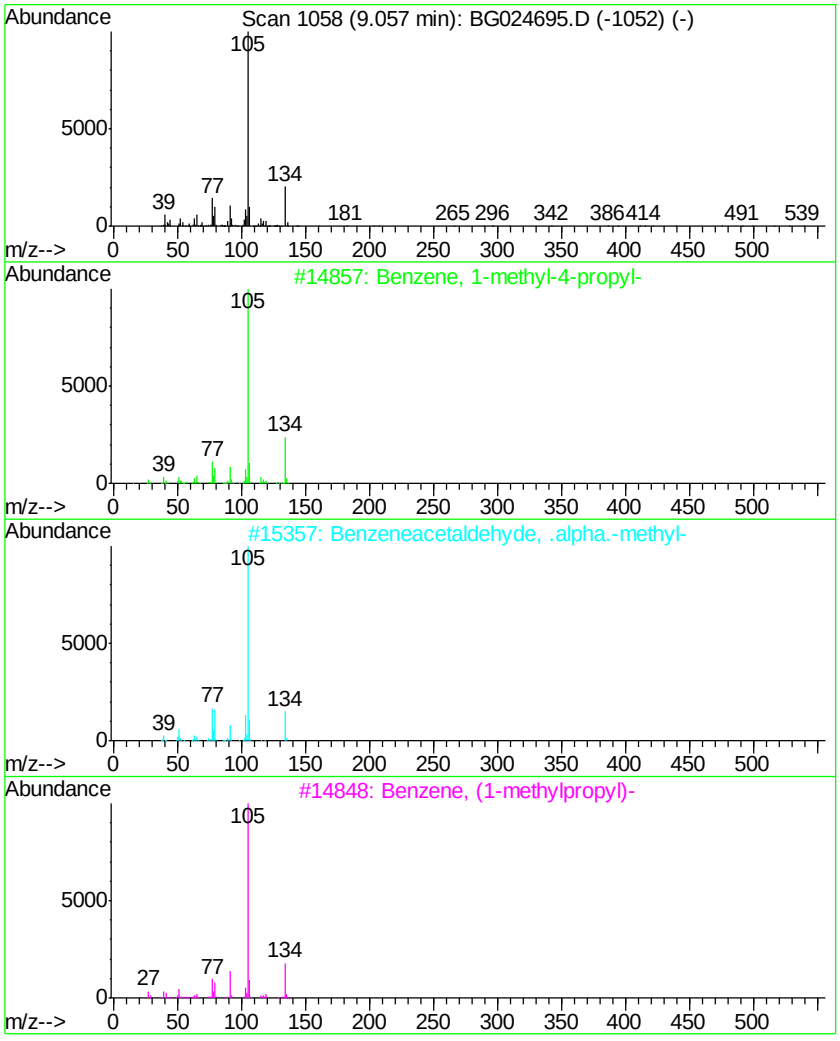
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

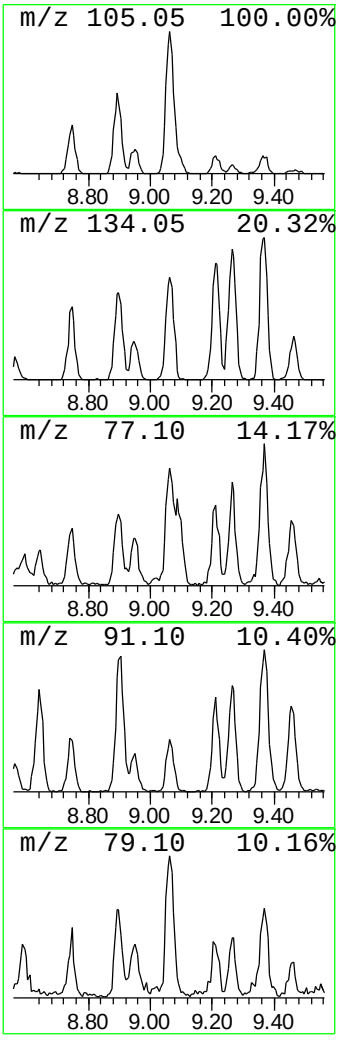
****

Peak Number 12 Benzene, 1-methyl-4-propyl- Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.06	38.08 ng	1353490	1,4-Dichlorobenzene-d4	8.27

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-methyl-4-propyl-	134	C10H14	001074-55-1	94
2	Benzeneacetaldehyde, .alpha.-met...	134	C9H10O	000093-53-8	91
3	Benzene, (1-methylpropyl)-	134	C10H14	000135-98-8	91
4	Benzene, 1-methyl-2-propyl-	134	C10H14	001074-17-5	87
5	Oxirane, 2-methyl-2-phenyl-	134	C9H10O	002085-88-3	86





Data Path : Z:\HPCHEM1\BNA G\DATA\BG110416\
Data File : BG024695.D
Acq On : 5 Nov 2016 3:43
Operator : UM/SJ
Sample : H5531-08
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : S22-0015

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\8270-BG102516.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

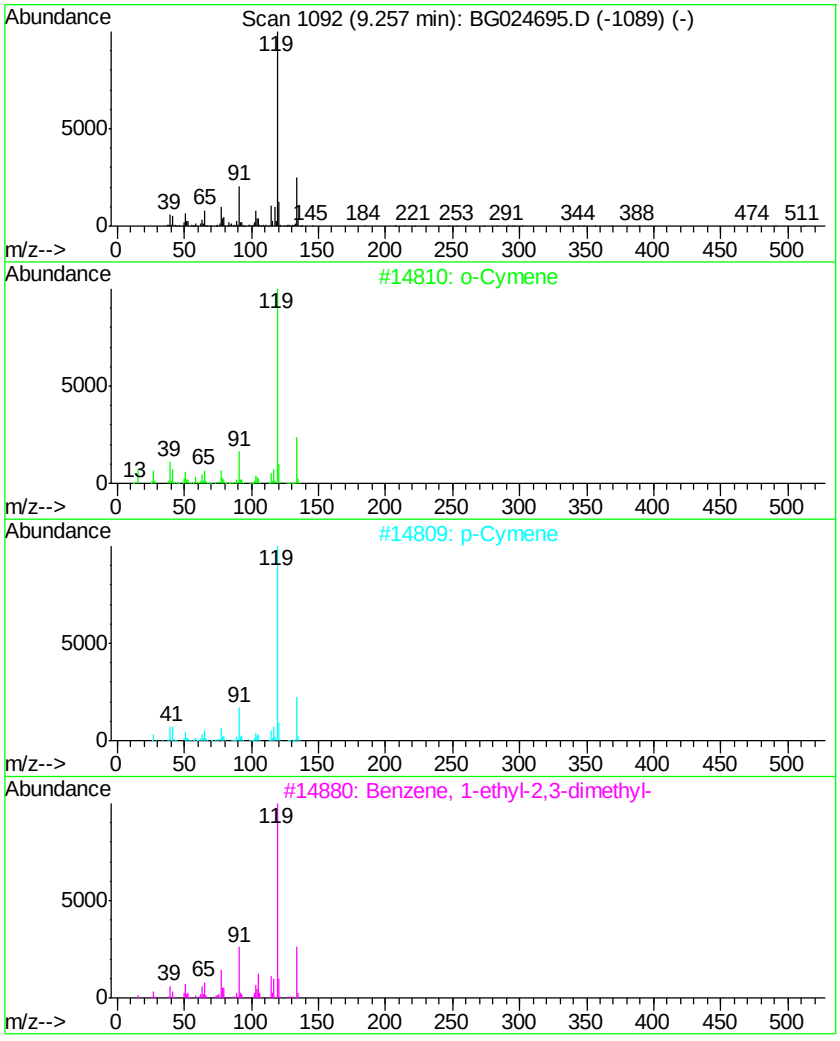
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

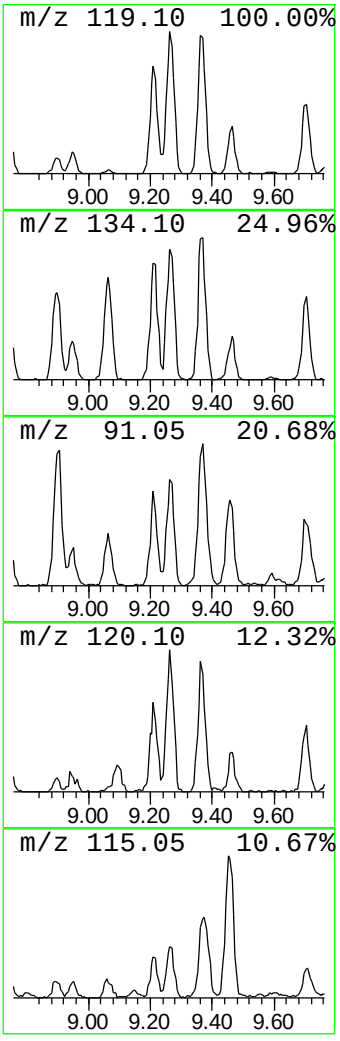
****

Peak Number 13 o-Cymene Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.26	49.26 ng	1750890	1,4-Dichlorobenzene-d4	8.27

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	o-Cymene	134	C10H14	000527-84-4	94
2	p-Cymene	134	C10H14	000099-87-6	94
3	Benzene, 1-ethyl-2,3-dimethyl-	134	C10H14	000933-98-2	94
4	Benzene, 1,2,4,5-tetramethyl-	134	C10H14	000095-93-2	91
5	Benzene, 1,2,3,4-tetramethyl-	134	C10H14	000488-23-3	91





Data Path : Z:\HPCHEM1\BNA G\DATA\BG110416\
Data File : BG024695.D
Acq On : 5 Nov 2016 3:43
Operator : UM/SJ
Sample : H5531-08
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : S22-0015

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\8270-BG102516.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

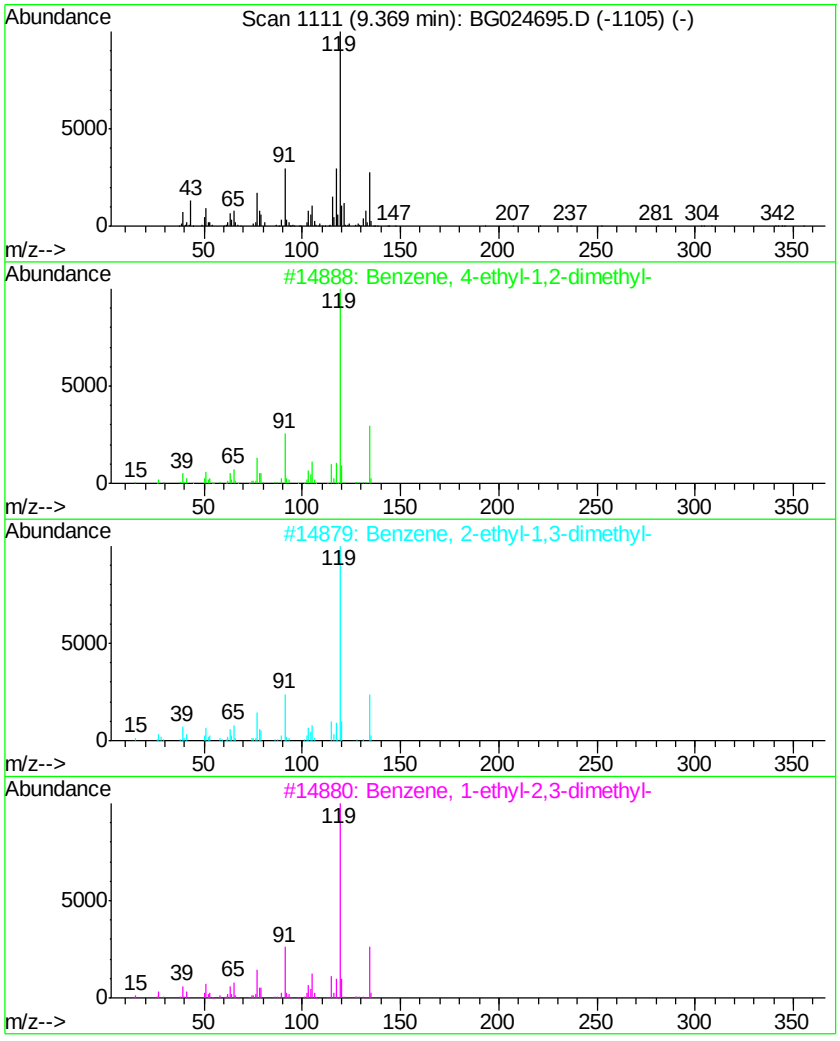
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

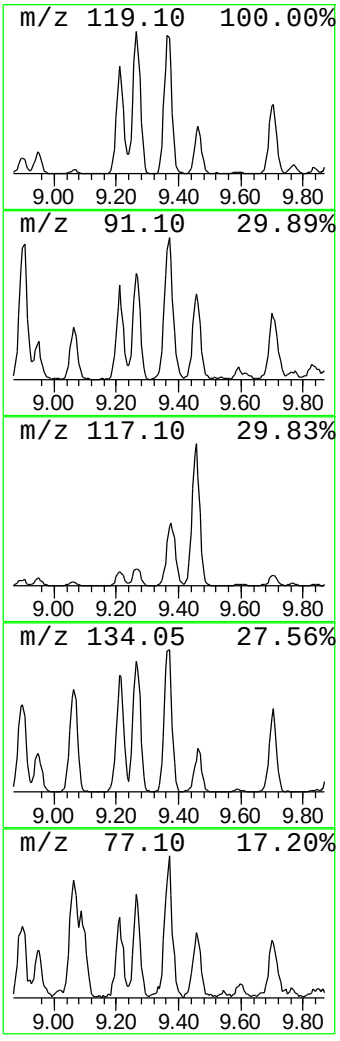
****

Peak Number 14 Benzene, 4-ethyl-1,2-dimethyl- Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.37	60.68 ng	2156820	1,4-Dichlorobenzene-d4	8.27

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 4-ethyl-1,2-dimethyl-	134	C10H14	000934-80-5	93
2	Benzene, 2-ethyl-1,3-dimethyl-	134	C10H14	002870-04-4	93
3	Benzene, 1-ethyl-2,3-dimethyl-	134	C10H14	000933-98-2	92
4	Benzene, 2-ethyl-1,4-dimethyl-	134	C10H14	001758-88-9	90
5	o-Cymene	134	C10H14	000527-84-4	81





Data Path : Z:\HPCHEM1\BNA G\DATA\BG110416\
Data File : BG024695.D
Acq On : 5 Nov 2016 3:43
Operator : UM/SJ
Sample : H5531-08
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : S22-0015

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\8270-BG102516.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

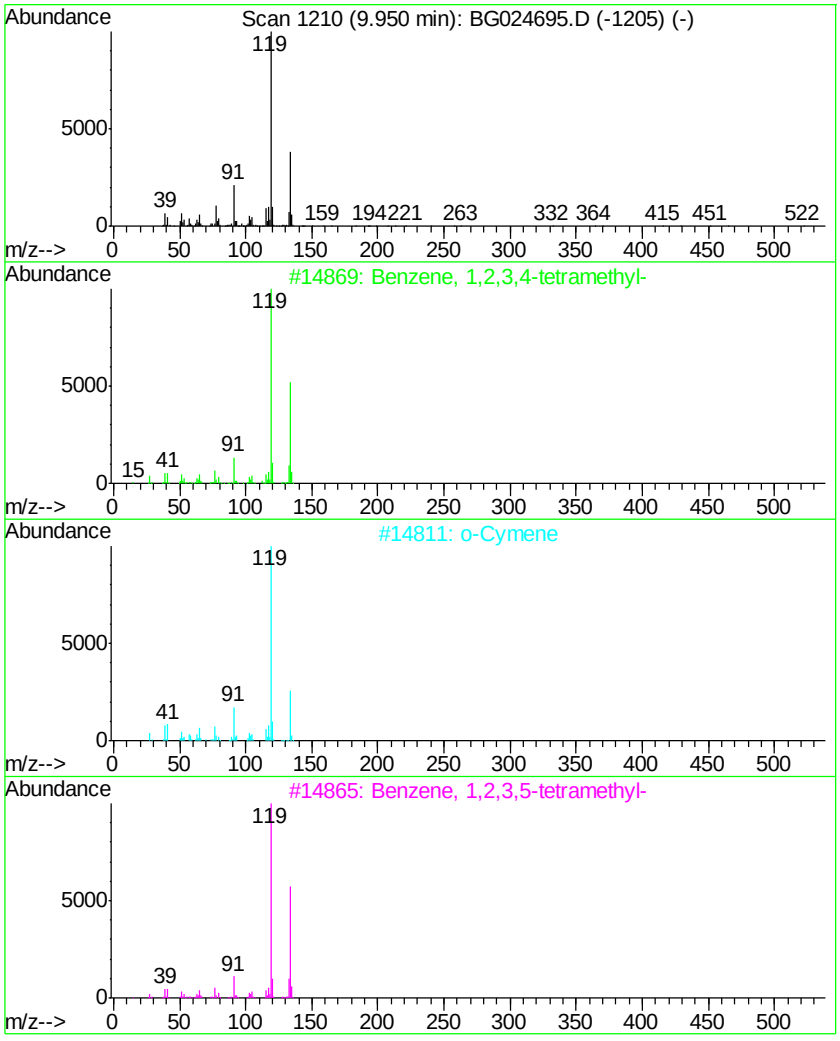
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

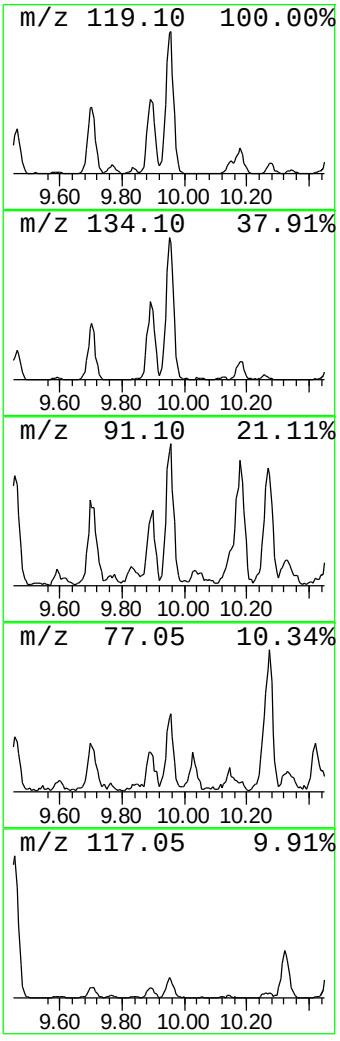
****

Peak Number 15 Benzene, 1,2,3,4-tetramethyl- Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.95	41.34 ng	1424820	Naphthalene-d8	11.10

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1,2,3,4-tetramethyl-	134	C10H14	000488-23-3	95
2	o-Cymene	134	C10H14	000527-84-4	95
3	Benzene, 1,2,3,5-tetramethyl-	134	C10H14	000527-53-7	95
4	Benzene, 1,2,4,5-tetramethyl-	134	C10H14	000095-93-2	94
5	Benzene, 2-ethyl-1,4-dimethyl-	134	C10H14	001758-88-9	94





Data Path : Z:\HPCHEM1\BNA G\DATA\BG110416\
Data File : BG024695.D
Acq On : 5 Nov 2016 3:43
Operator : UM/SJ
Sample : H5531-08
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : S22-0015

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\8270-BG102516.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

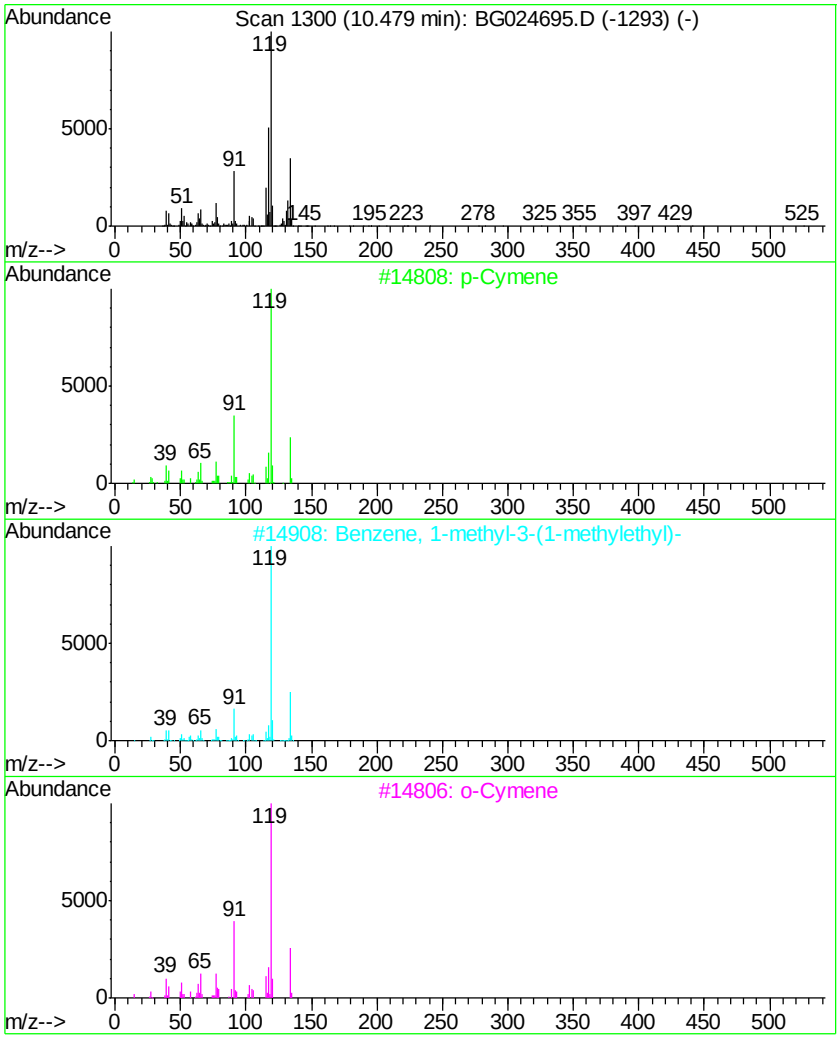
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

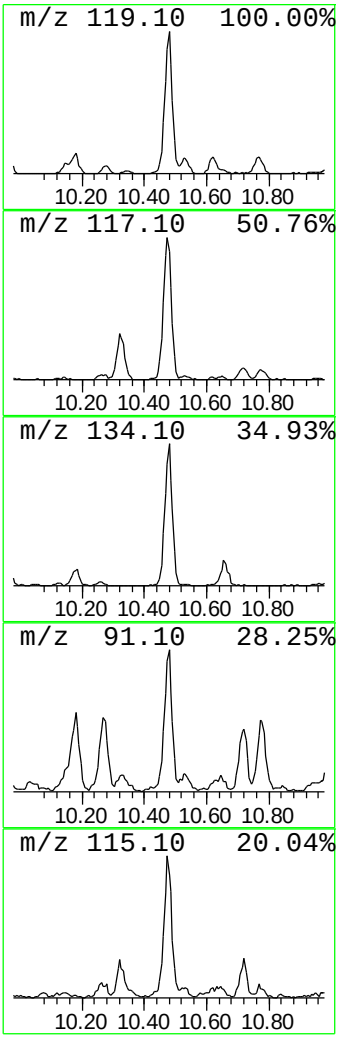
****

Peak Number 16 p-Cymene Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.48	77.78 ng	2681120	Naphthalene-d8	11.10

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	p-Cymene	134	C10H14	000099-87-6	64
2	Benzene, 1-methyl-3-(1-methyleth...	134	C10H14	000535-77-3	60
3	o-Cymene	134	C10H14	000527-84-4	58
4	Benzene, 2-ethyl-1,4-dimethyl-	134	C10H14	001758-88-9	58
5	Benzene, 1-ethyl-3,5-dimethyl-	134	C10H14	000934-74-7	58





Data Path : Z:\HPCHEM1\BNA G\DATA\BG110416\
Data File : BG024695.D
Acq On : 5 Nov 2016 3:43
Operator : UM/SJ
Sample : H5531-08
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : S22-0015

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\8270-BG102516.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

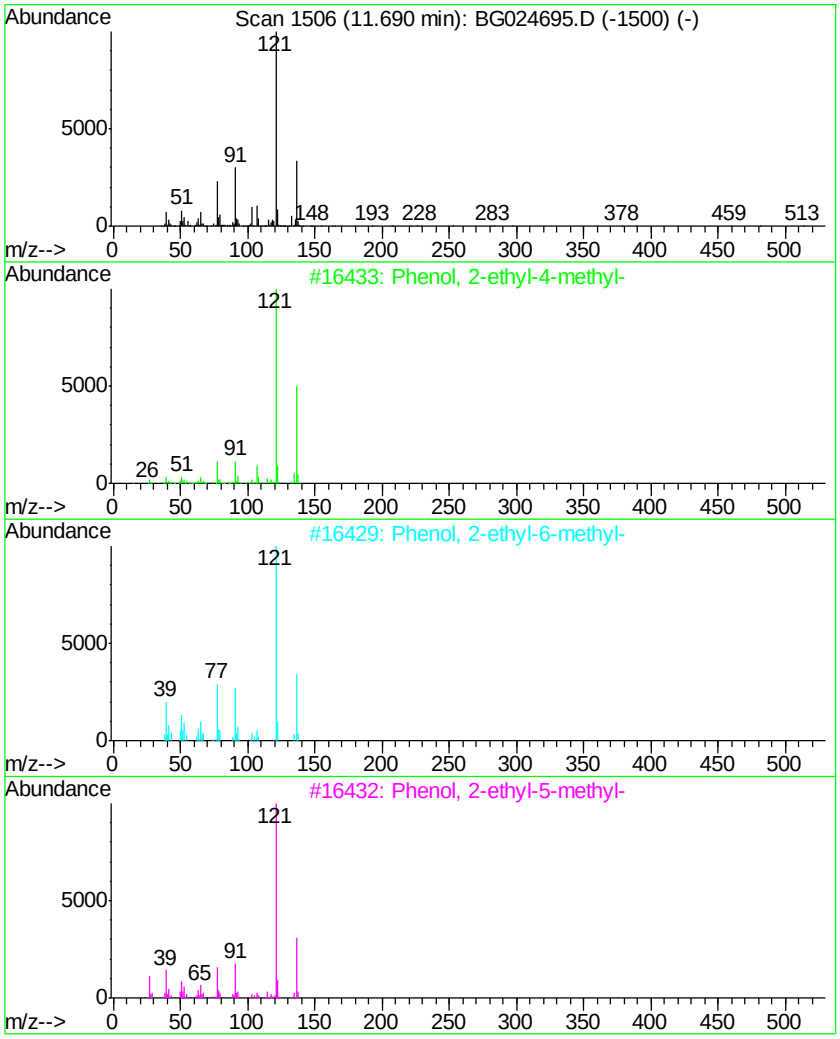
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

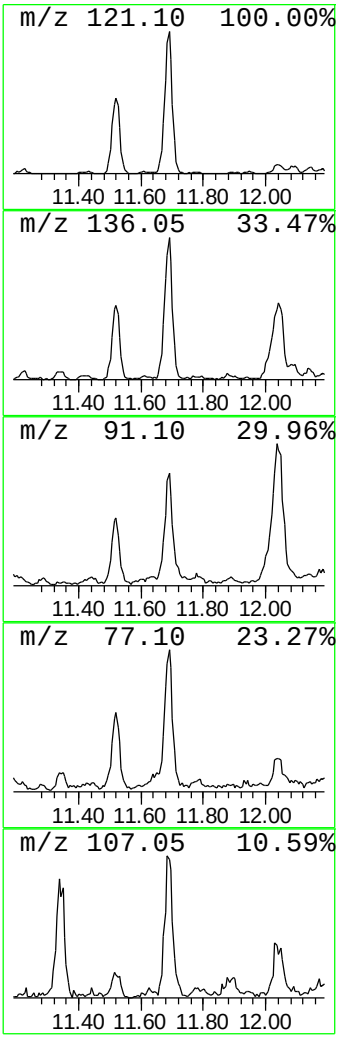
****

Peak Number 17 Phenol, 2-ethyl-4-methyl- Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.69	46.25 ng	1594200	Naphthalene-d8	11.10

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenol, 2-ethyl-4-methyl-	136	C9H12O	003855-26-3	90
2	Phenol, 2-ethyl-6-methyl-	136	C9H12O	001687-64-5	80
3	Phenol, 2-ethyl-5-methyl-	136	C9H12O	001687-61-2	72
4	Phenol, 2-(1-methylethyl)-	136	C9H12O	000088-69-7	72
5	1,3-Cyclohexadiene, 1,3,5,5-tetr...	136	C10H16	004724-89-4	72





Data Path : Z:\HPCHEM1\BNA G\DATA\BG110416\
Data File : BG024695.D
Acq On : 5 Nov 2016 3:43
Operator : UM/SJ
Sample : H5531-08
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : S22-0015

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\8270-BG102516.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

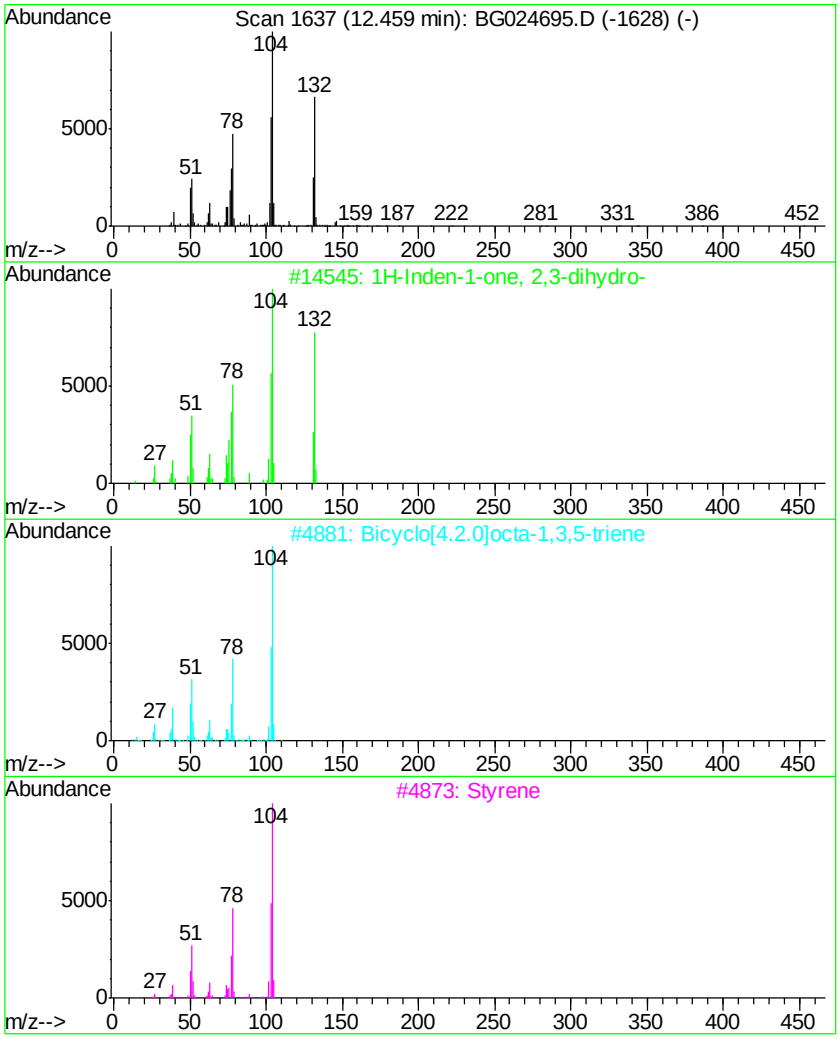
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

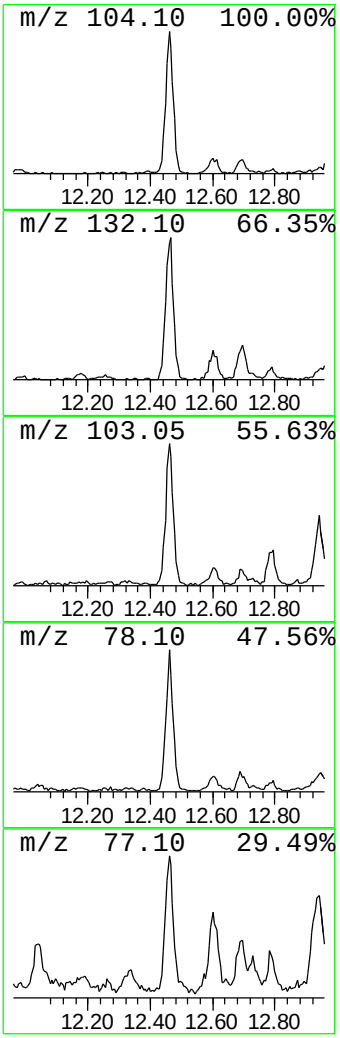
****

Peak Number 18 1H-Inden-1-one, 2,3-dihydro- Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.46	42.62 ng	1469220	Naphthalene-d8	11.10

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1H-Inden-1-one, 2,3-dihydro-	132	C9H8O	000083-33-0	94
2	Bicyclo[4.2.0]octa-1,3,5-triene	104	C8H8	000694-87-1	76
3	Styrene	104	C8H8	000100-42-5	76
4	1,3,5,7-Cyclooctatetraene	104	C8H8	000629-20-9	68
5	Benzeneethanamine, N-[(4-hydroxy...	269	C17H19NO2	106827-59-2	59





Data Path : Z:\HPCHEM1\BNA G\DATA\BG110416\
Data File : BG024695.D
Acq On : 5 Nov 2016 3:43
Operator : UM/SJ
Sample : H5531-08
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : S22-0015

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\8270-BG102516.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

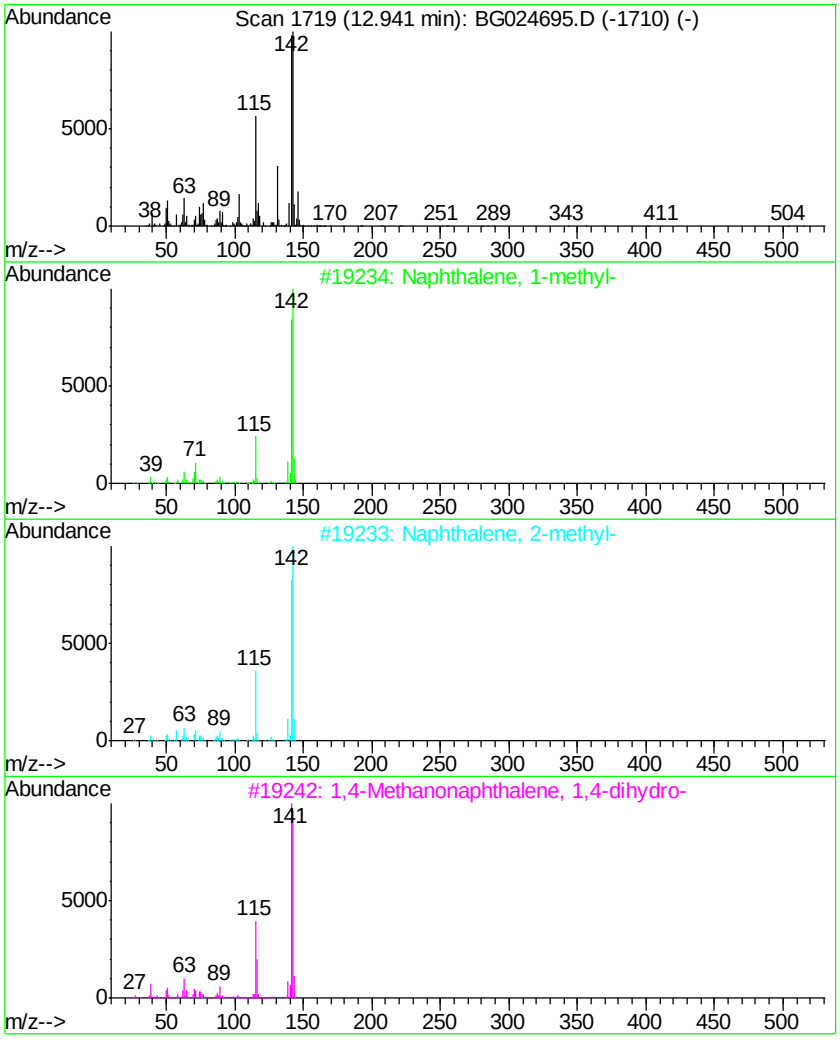
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

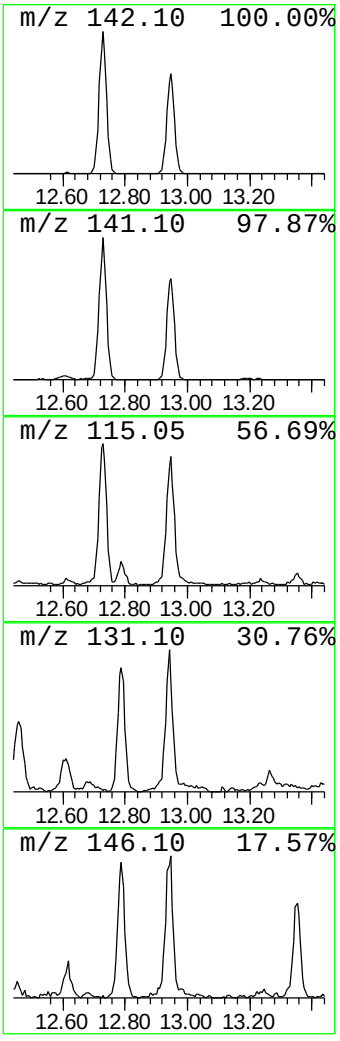
****

Peak Number 19 Naphthalene, 1-methyl- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.94	80.05 ng	2759240	Naphthalene-d8	11.10

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1-methyl-	142	C11H10	000090-12-0	95
2	Naphthalene, 2-methyl-	142	C11H10	000091-57-6	92
3	1,4-Methanonaphthalene, 1,4-dihy...	142	C11H10	004453-90-1	90
4	Benzocycloheptatriene	142	C11H10	000264-09-5	76
5	Bicyclo[4.4.1]undeca-1,3,5,7,9-p...	142	C11H10	002443-46-1	68





Data Path : Z:\HPCHEM1\BNA G\DATA\BG110416\
Data File : BG024695.D
Acq On : 5 Nov 2016 3:43
Operator : UM/SJ
Sample : H5531-08
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : S22-0015

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\8270-BG102516.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

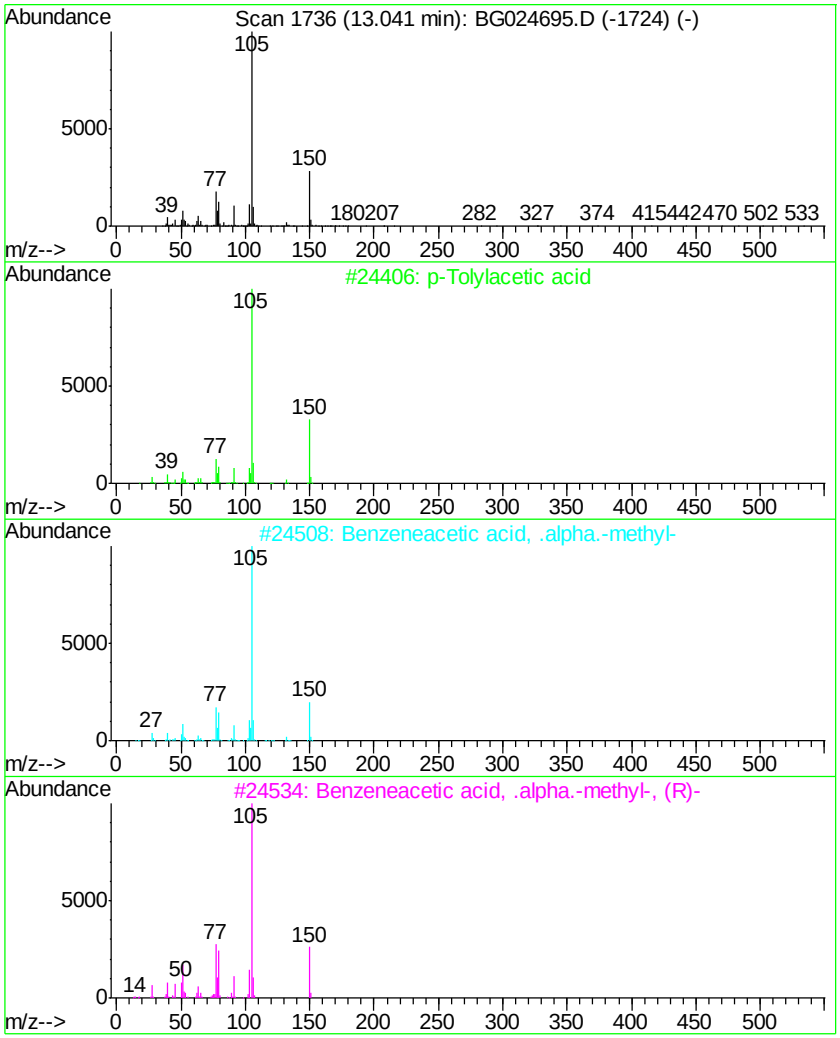
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

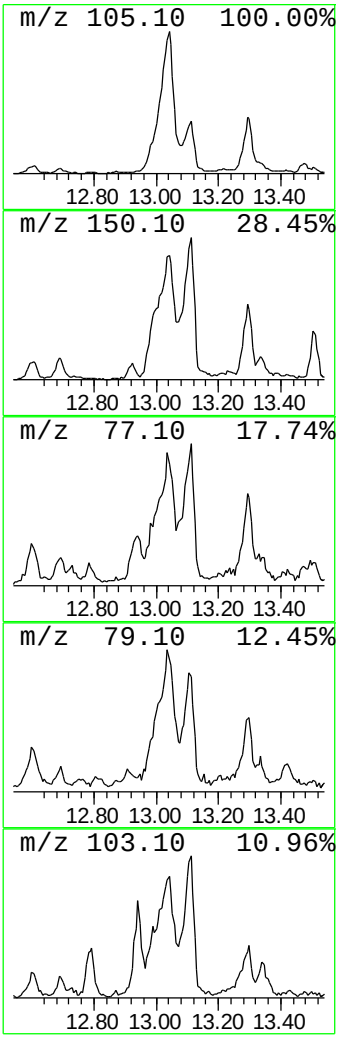
****

Peak Number 20 p-Tolylacetic acid Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.04	43.46 ng	4201310	Acenaphthene-d10	14.88

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	p-Tolylacetic acid	150	C9H10O2	000622-47-9	91
2	Benzeneacetic acid, .alpha.-methyl-	150	C9H10O2	000492-37-5	91
3	Benzeneacetic acid, .alpha.-meth...	150	C9H10O2	007782-26-5	87
4	o-Tolylacetic acid	150	C9H10O2	000644-36-0	80
5	Benzoic acid, 3,5-dimethyl-	150	C9H10O2	000499-06-9	72





Tentatively Identified Compound (LSC) summary

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG110416\
Data File : BG024695.D
Acq On : 5 Nov 2016 3:43
Operator : UM/SJ
Sample : H5531-08
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : S22-0015

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\8270-BG102516.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
unknown3.90	3.90	40.1	ng	1425640	1	8.27	710883	20.0
Benzene, (1-methy...	6.73	106.5	ng	3784360	1	8.27	710883	20.0
Benzene, propyl-	7.22	97.4	ng	3462870	1	8.27	710883	20.0
Benzene, 1-ethyl-...	7.64	230.3	ng	8184770	1	8.27	710883	20.0
unknown7.79	7.79	87.8	ng	3122220	1	8.27	710883	20.0
Mesitylene	7.91	520.9	ng	18514100	1	8.27	710883	20.0
Benzene, 1,2,4-tr...	8.38	257.5	ng	9151910	1	8.27	710883	20.0
Indane	8.64	39.6	ng	1406810	1	8.27	710883	20.0
Benzene, 1-methyl...	9.06	38.1	ng	1353490	1	8.27	710883	20.0
o-Cymene	9.26	49.3	ng	1750890	1	8.27	710883	20.0
Benzene, 4-ethyl-...	9.37	60.7	ng	2156820	1	8.27	710883	20.0
Benzene, 1,2,3,4-...	9.95	41.3	ng	1424820	2	11.10	689396	20.0
p-Cymene	10.48	77.8	ng	2681120	2	11.10	689396	20.0
Phenol, 2-ethyl-4...	11.69	46.3	ng	1594200	2	11.10	689396	20.0
1H-Inden-1-one, 2...	12.46	42.6	ng	1469220	2	11.10	689396	20.0
Naphthalene, 1-me...	12.94	80.0	ng	2759240	2	11.10	689396	20.0
p-Tolylacetic acid	13.04	43.5	ng	4201310	3	14.88	1933450	20.0