LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA F\DATA\BF021318\
Data File : BF102956.D
Acq On : 13 Feb 2018 12:48
Operator : SJ/JU
Sample : J1518-02
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : MW-4A

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_F\METHODS\8270-BF020318.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	2.122	3	6	11	rVB	1398825	1705446	7.85%	0.631%
2	2.269	27	31	37	rVV5	210586	518934	2.39%	0.192%
3	2.516	67	73	83	rVB3	656783	1826852	8.41%	0.676%
4	2.740	103	111	122	rVB3	501932	1181974	5.44%	0.437%
5	2.969	140	150	153	rVV2	302090	778372	3.58%	0.288%
6	3.016	153	158	166	rVB	701313	1351750	6.22%	0.500%
7	3.240	190	196	208	rVB	205317	437723	2.01%	0.162%
8	3.363	208	217	220	rBV3	208817	418913	1.93%	0.155%
9	3.404	220	224	229	rVV	274494	485032	2.23%	0.179%
10	3.569	243	252	257	rBV5	141400	327415	1.51%	0.121%
11	3.640	257	264	270	rVB	1197636	2026309	9.32%	0.750%
12	3.710	270	276	282	rBV	321094	547892	2.52%	0.203%
13	3.946	305	316	321	rBV	1809992	2682699	12.35%	0.992%
14	4.004	321	326	331	rVV	895305	1236599	5.69%	0.457%
15	4.199	351	359	364	rVB2	349751	550607	2.53%	0.204%
16	4.346	378	384	387	rBV2	234534	370398	1.70%	0.137%
17	4.428	395	398	401	rVB	355025	399071	1.84%	0.148%
18	4.469	401	405	410	rVB2	319541	449555	2.07%	0.166%
19	4.528	410	415	419	rBV3	330288	461361	2.12%	0.171%
20	4.634	426	433	437	rBV	1161057	1506211	6.93%	0.557%
21	4.875	469	474	477	rBV3	359057	478258	2.20%	0.177%
22	5.010	495	497	499	rVV	329421	350818	1.61%	0.130%
23	5.034	499	501	506	rVB	471300	463705	2.13%	0.172%
24	5.375	552	559	562	rBV	7585860	12916999	59.44%	4.778%
25	5.498	570	580	582	rBV2	8280985	21731036	100.00%	8.039%
26	5.734	615	620	623	rBV	5265690	5563253	25.60%	2.058%
27	6.045	669	673	676	rBV	2659508	2355628	10.84%	0.871%
28	6.340	718	723	727	rVB	5712179	6457525	29.72%	2.389%
29	6.416	727	736	738	rBV	7335218	12115417	55.75%	4.482%
30	6.445	738	741	744	rVV	7021638	7309997	33.64%	2.704%
31	6.487	744	748	751	rVV	6589297	8506181	39.14%	3.147%
32	6.510	751	752	757	rVB	1042190	651604	3.00%	0.241%
33	6.569	757	762	765	rBV	6598612	7664705	35.27%	2.835%
34	6.651	771	776	779	rBV	2829521	3408131	15.68%	1.261%

LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA F\DATA\BF021318\
Data File : BF102956.D
Acq On : 13 Feb 2018 12:48
Operator : SJ/JU
Sample : J1518-02
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : MW-4A

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_F\METHODS\8270-BF020318.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

35	6.728	779	789	792	rVB3	7694365	18612880	85.65%	6.886%
36	6.816	799	804	805	rBV	631218	574484	2.64%	0.213%
37	6.828	805	806	811	rVV	674723	679313	3.13%	0.251%
38	6.875	811	814	817	rVV	1143998	1112455	5.12%	0.412%
39	6.910	817	820	821	rVV	1152724	1011564	4.65%	0.374%
40	6.940	821	825	830	rVV	6352700	8159882	37.55%	3.019%
41	7.034	834	841	843	rVV2	3479216	4245678	19.54%	1.571%
42	7.063	843	846	849	rVV	5791852	5457048	25.11%	2.019%
43	7.122	853	856	858	rVV	3248067	2838527	13.06%	1.050%
44	7.151	858	861	864	rVB	3023470	2653024	12.21%	0.981%
45	7.192	864	868	877	rBV	5429442	6548938	30.14%	2.423%
46	7.269	877	881	885	rVB	2464263	2164811	9.96%	0.801%
47	7.340	889	893	895	rVV	4042696	4489430	20.66%	1.661%
48	7.369	895	898	901	rVV	3746245	3755280	17.28%	1.389%
49	7.416	901	906	908	rVV2	5916485	7493508	34.48%	2.772%
50	7.451	908	912	915	rVV	5937162	6502221	29.92%	2.405%
51	7.522	920	924	927	rVV3	595096	742707	3.42%	0.275%
52	7.557	927	930	933	rVV2	2659960	2357596	10.85%	0.872%
53	7.645	939	945	947	rVV	4201953	4412973	20.31%	1.633%
54	7.675	947	950	953	rVV	5310407	4881056	22.46%	1.806%
55	7.722	954	958	961	rVV2	436473	462428	2.13%	0.171%
56	7.757	961	964	966	rVV	629120	590838	2.72%	0.219%
57	7.781	966	968	970	rVV	589495	444840	2.05%	0.165%
58	7.810	970	973	974	rVV	943230	1021738	4.70%	0.378%
59	7.834	974	977	981	rVV	4359093	4594813	21.14%	1.700%
60	7.898	981	988	990	rVV	6320608	7674208	35.31%	2.839%
61	7.922	990	992	994	rVV	1214194	1056286	4.86%	0.391%
62	7.945	994	996	997	rVV	417705	368419	1.70%	0.136%
63	7.975	997	1001	1003	rVV3	971485	1400130	6.44%	0.518%
64	7.998	1003	1005	1007	rVV	1315513	1032156	4.75%	0.382%
65	8.028	1007	1010	1013	rVB	1154657	1029690	4.74%	0.381%
66	8.104	1019	1023	1024	rVV	336706	333198	1.53%	0.123%
67	8.122	1024	1026	1027	rVV	1075260	926451	4.26%	0.343%
68	8.151	1027	1031	1033	rVV2	2940087	4189932	19.28%	1.550%
69	8.187	1033	1037	1042	rVV3	5846764	9466207	43.56%	3.502%
70	8.239	1042	1046	1049	rVB2	838808	1007432	4.64%	0.373%
71	8.304	1055	1057	1061	rVV2	352272	360503	1.66%	0.133%

LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA F\DATA\BF021318\
Data File : BF102956.D
Acq On : 13 Feb 2018 12:48
Operator : SJ/JU
Sample : J1518-02
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : MW-4A

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_F\METHODS\8270-BF020318.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

72	8.434	1076	1079	1081	rVV	991233	903978	4.16%	0.334%
73	8.539	1091	1097	1100	rVB	1616638	1422132	6.54%	0.526%
74	8.622	1107	1111	1115	rVV	1077307	1017883	4.68%	0.377%
75	8.657	1115	1117	1122	rVB2	595309	593440	2.73%	0.220%
76	8.745	1128	1132	1136	rVB	1029162	1038523	4.78%	0.384%
77	8.822	1142	1145	1147	rBV2	516196	461761	2.12%	0.171%
78	8.875	1149	1154	1156	rVV	3997363	3929224	18.08%	1.454%
79	8.934	1160	1164	1166	rVV2	450499	592652	2.73%	0.219%
80	8.969	1166	1170	1173	rVV	3224607	3159824	14.54%	1.169%
81	8.998	1173	1175	1179	rVB2	400321	369673	1.70%	0.137%
82	9.039	1179	1182	1187	rVB3	340237	474265	2.18%	0.175%
83	9.157	1199	1202	1205	rVB3	313806	370199	1.70%	0.137%
84	9.233	1210	1215	1218	rVB	4523488	4573407	21.05%	1.692%
85	9.339	1226	1233	1239	rVV6	585964	1287959	5.93%	0.476%
86	9.492	1257	1259	1262	rVV2	834805	799234	3.68%	0.296%
87	9.592	1273	1276	1279	rVB2	529262	565185	2.60%	0.209%
88	9.733	1296	1300	1302	rVB	358387	348068	1.60%	0.129%
89	9.810	1311	1313	1316	rBV	422348	327481	1.51%	0.121%
90	9.910	1327	1330	1334	rVB2	1892841	1647398	7.58%	0.609%
91	10.180	1374	1376	1379	rVV	343816	329959	1.52%	0.122%
92	10.233	1382	1385	1390	rVB5	239046	366902	1.69%	0.136%
93	10.698	1458	1464	1467	rBV	2451701	2668804	12.28%	0.987%
94	10.733	1467	1470	1473	rVV	424598	413999	1.91%	0.153%
95	11.398	1579	1583	1586	rVV	1693932	1449824	6.67%	0.536%
96	11.916	1667	1671	1674	rBV	756673	719412	3.31%	0.266%
97	12.698	1801	1804	1819	rVB	431346	541921	2.49%	0.200%
98	12.980	1847	1852	1856	rBV	3569608	3914563	18.01%	1.448%
99	14.033	2027	2031	2035	rBV	1199474	1073474	4.94%	0.397%
100	15.510	2276	2282	2289	rBV	846822	1066842	4.91%	0.395%

Sum of corrected areas: 270317000

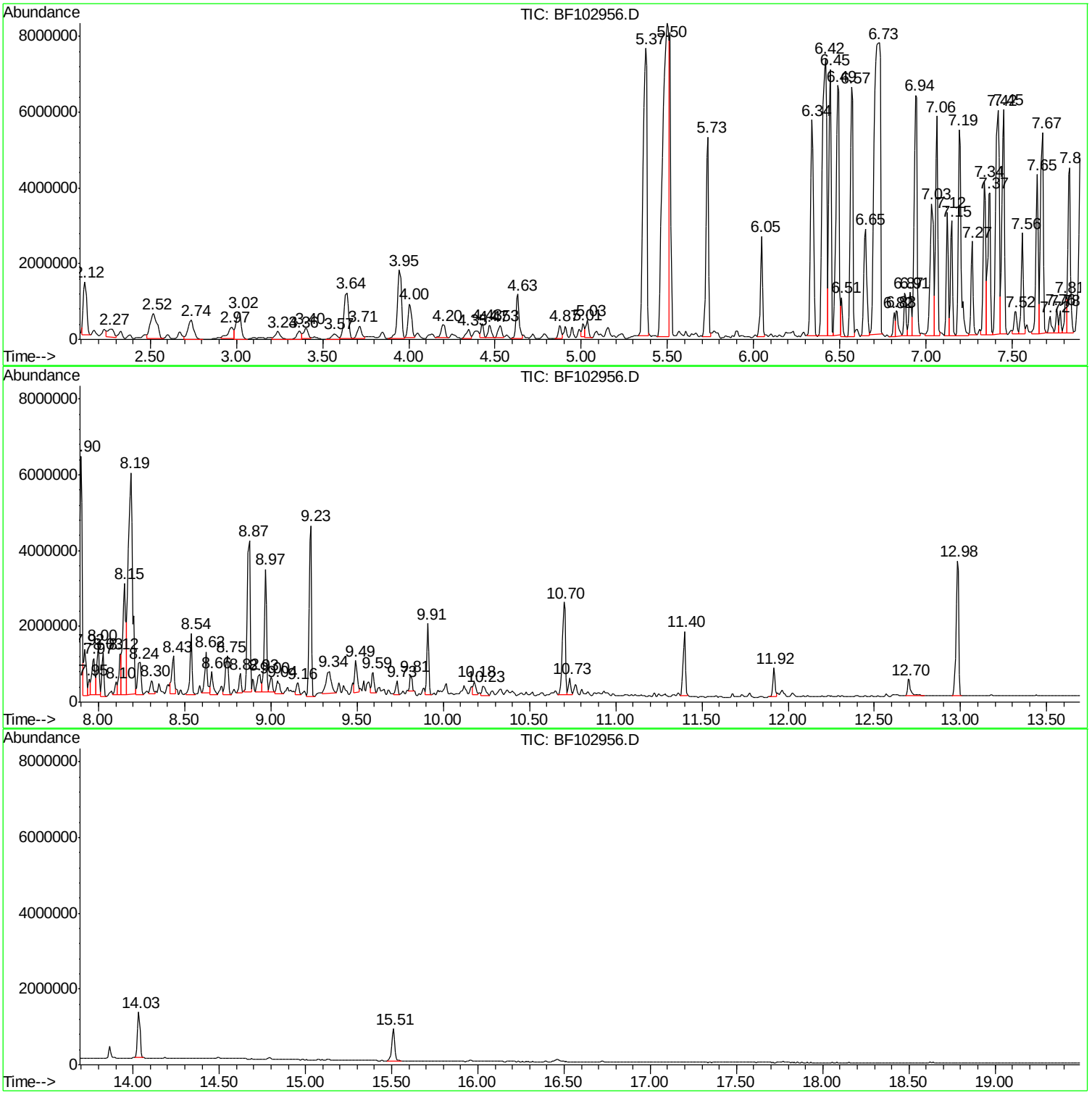
LSC Report - Integrated Chromatogram

Data Path : Z:\HPCHEM1\BNA F\DATA\BF021318\
Data File : BF102956.D
Acq On : 13 Feb 2018 12:48
Operator : SJ/JU
Sample : J1518-02
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : MW-4A

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF020318.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 F\DATA\BF021318\
Data File : BF102956.D
Acq On : 13 Feb 2018 12:48
Operator : SJ/JU
Sample : J1518-02
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : MW-4A

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF020318.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

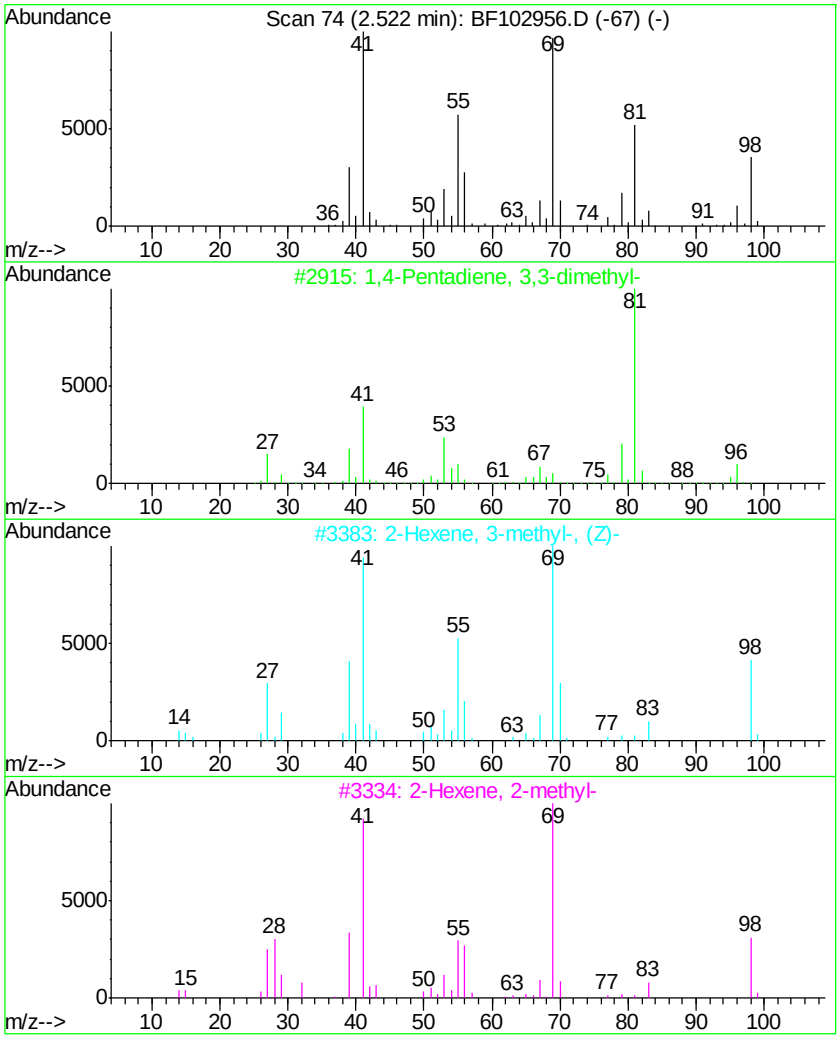
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

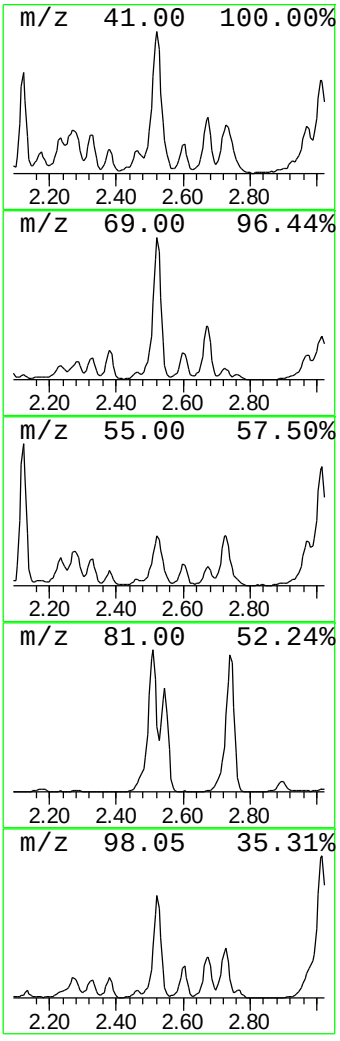
****

Peak Number 1 1,4-Pentadiene, 3,3-dimethyl- Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.52	32.84 ng	1826850	1,4-Dichlorobenzene-d4	6.87

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,4-Pentadiene, 3,3-dimethyl-	96	C7H12	001112-35-2	50
2	2-Hexene, 3-methyl-, (Z)-	98	C7H14	010574-36-4	50
3	2-Hexene, 2-methyl-	98	C7H14	002738-19-4	50
4	2-Hexyne, 4-methyl-	96	C7H12	020198-49-6	46
5	3-Methyl-3-hexene	98	C7H14	003404-65-7	43





Data Path : Z:\HPCHEM1\BNA F\DATA\BF021318\
Data File : BF102956.D
Acq On : 13 Feb 2018 12:48
Operator : SJ/JU
Sample : J1518-02
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : MW-4A

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF020318.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

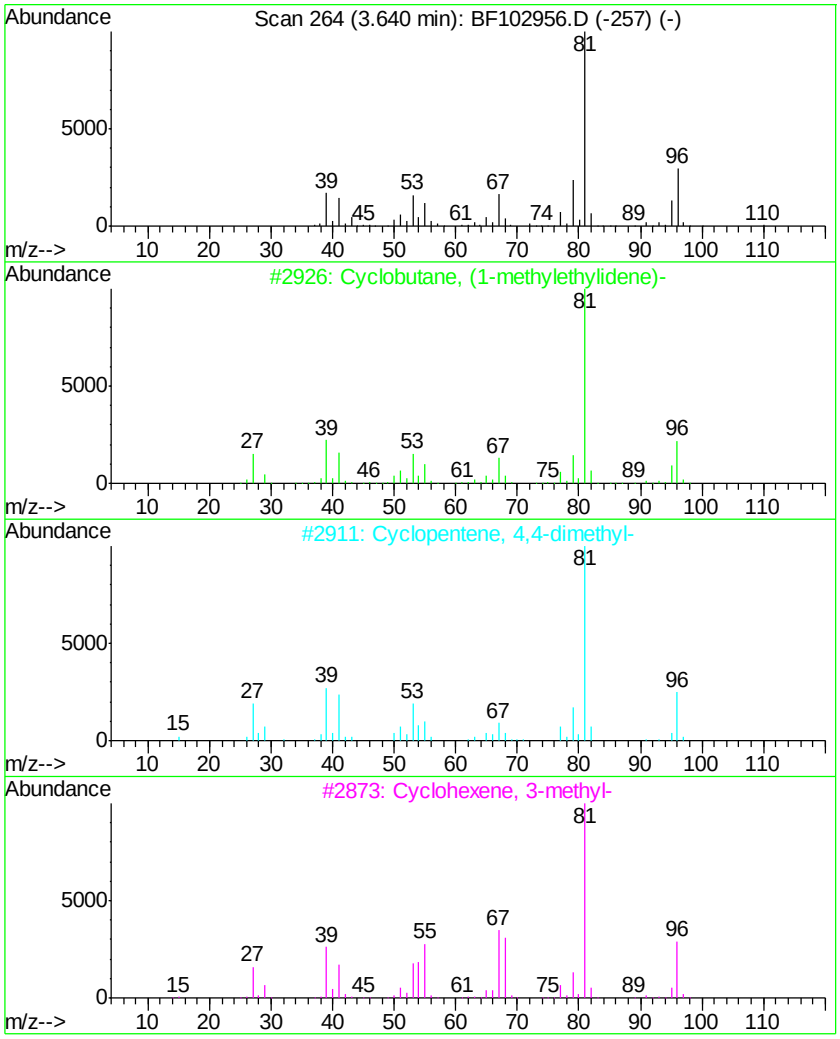
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

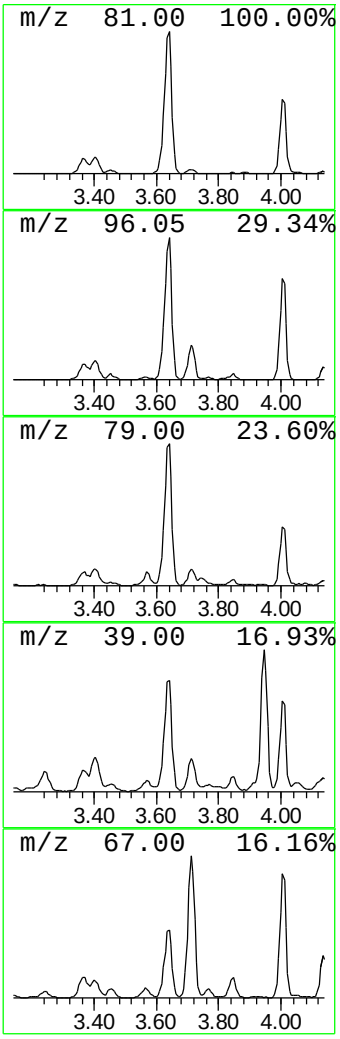
****

Peak Number 2 Cyclobutane, (1-methylethyl... Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.64	36.43 ng	2026310	1,4-Dichlorobenzene-d4	6.87

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclobutane, (1-methylethylidene)-	96	C7H12	001528-22-9	90
2	Cyclopentene, 4,4-dimethyl-	96	C7H12	019037-72-0	80
3	Cyclohexene, 3-methyl-	96	C7H12	000591-48-0	80
4	Cyclopentane, 1-methyl-2-methylene-	96	C7H12	041158-41-2	80
5	Cyclohexene, 1-methyl-	96	C7H12	000591-49-1	80





Data Path : Z:\HPCHEM1\BNA F\DATA\BF021318\
Data File : BF102956.D
Acq On : 13 Feb 2018 12:48
Operator : SJ/JU
Sample : J1518-02
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : MW-4A

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF020318.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

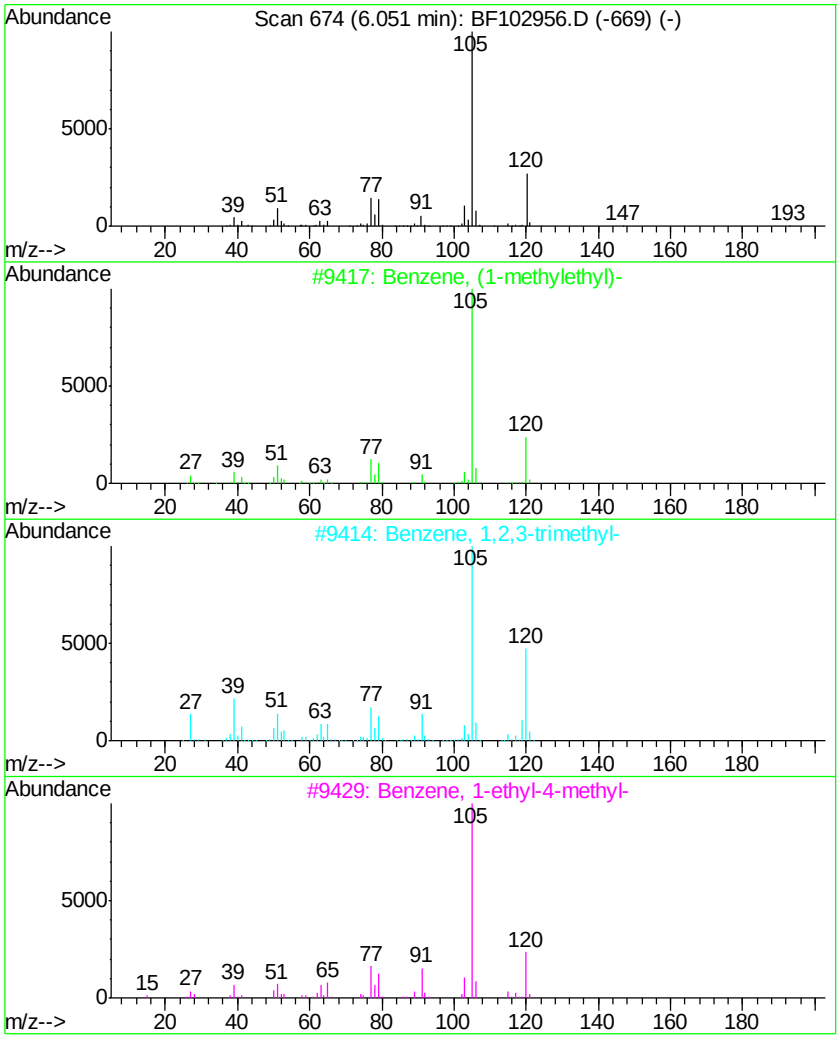
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

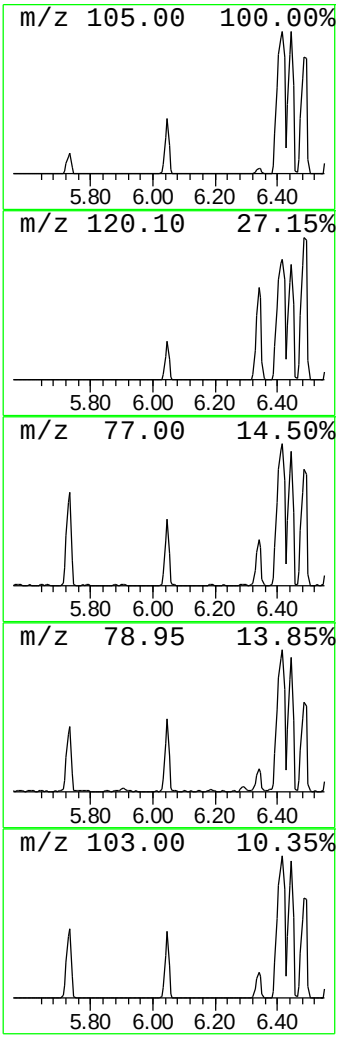
****

Peak Number 6 Benzene, (1-methylethyl)- Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.05	42.35 ng	2355630	1,4-Dichlorobenzene-d4	6.87

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-4-methyl-	120	C9H12	000622-96-8	72
4	Benzene, 1,2,4-trimethyl-	120	C9H12	000095-63-6	64
5	Benzene, 1-ethyl-2-methyl-	120	C9H12	000611-14-3	53





Data Path : Z:\HPCHEM1\BNA F\DATA\BF021318\
Data File : BF102956.D
Acq On : 13 Feb 2018 12:48
Operator : SJ/JU
Sample : J1518-02
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : MW-4A

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF020318.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

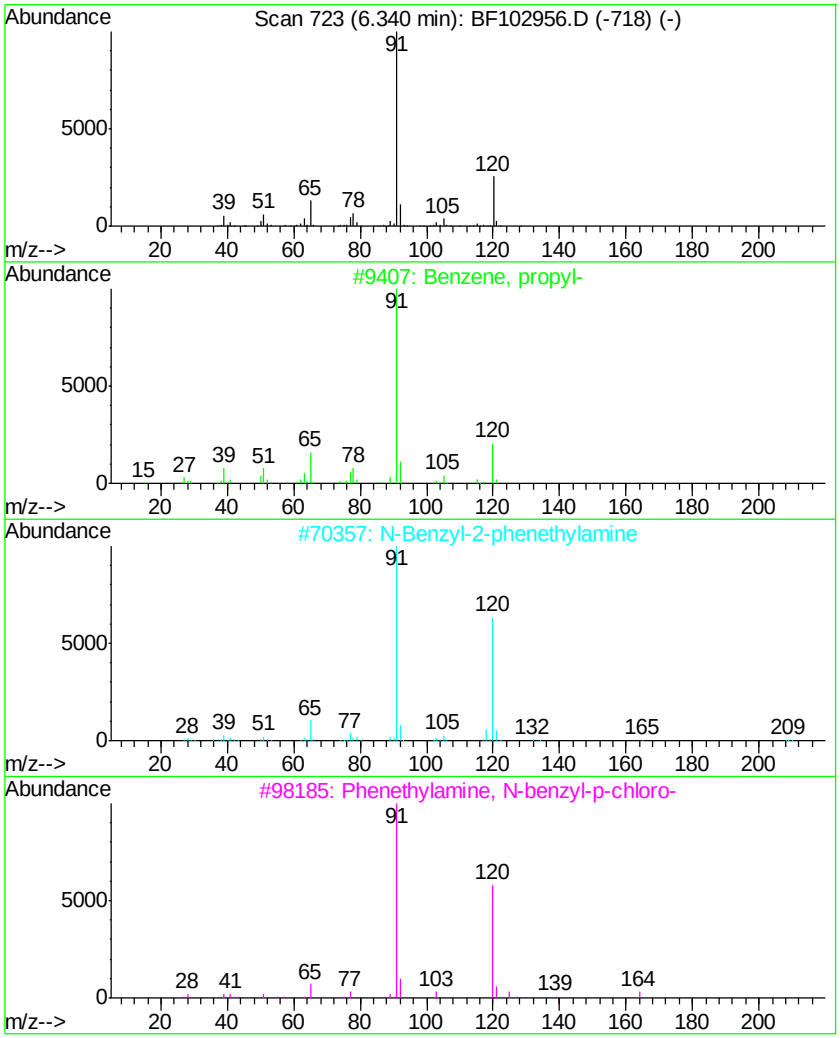
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

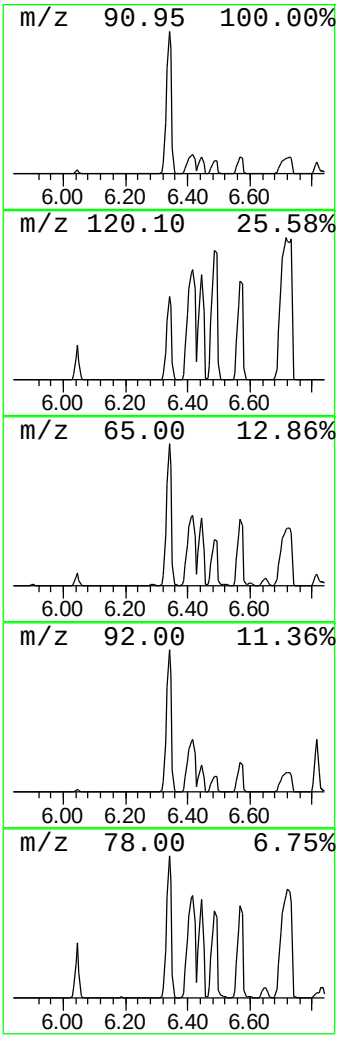
****

Peak Number 7 Benzene, propyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.34	116.10 ng	6457530	1,4-Dichlorobenzene-d4	6.87

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	83
3	Phenethylamine, N-benzyl-p-chloro-	245	C15H16ClN	013622-43-0	72
4	Propanenitrile, 3-[(phenylmethyl...	160	C10H12N2	000706-03-6	59
5	Ethanol, 2-[(phenylmethyl)amino]-	151	C9H13NO	000104-63-2	53





Data Path : Z:\HPCHEM1\BNA F\DATA\BF021318\
Data File : BF102956.D
Acq On : 13 Feb 2018 12:48
Operator : SJ/JU
Sample : J1518-02
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : MW-4A

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF020318.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

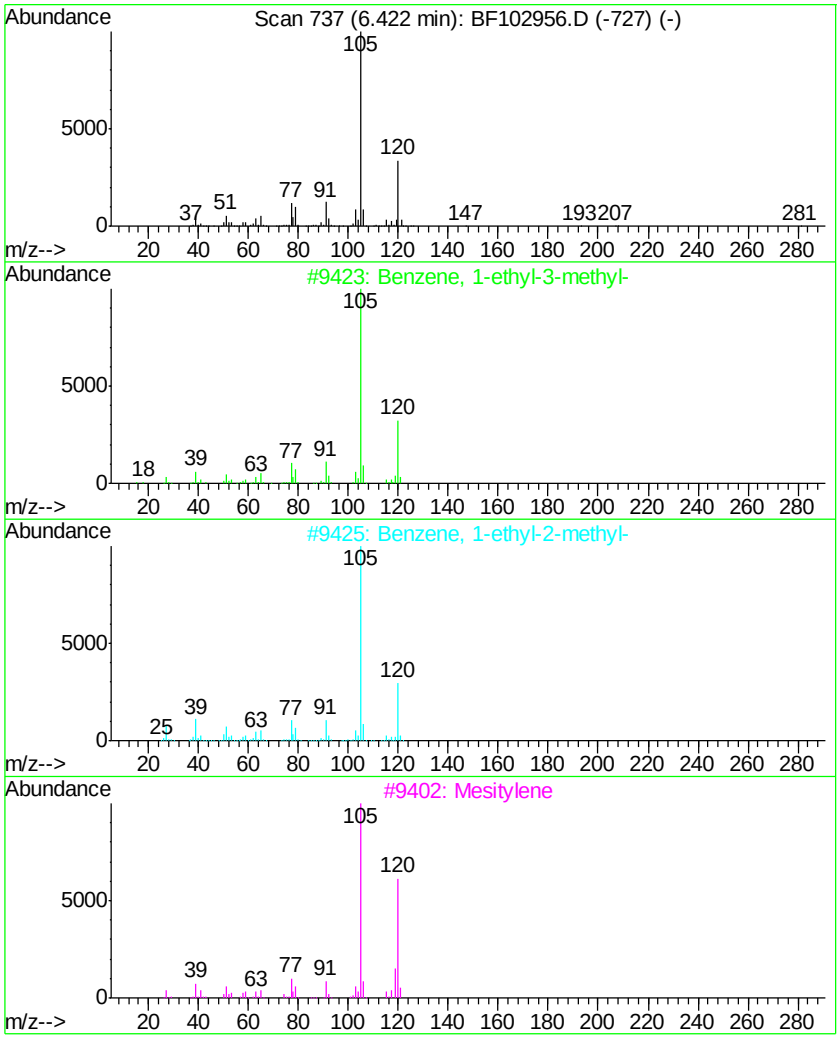
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

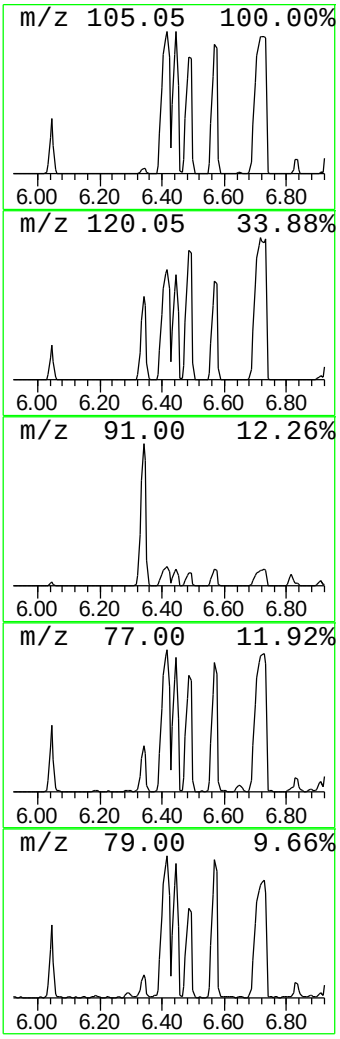
****

Peak Number 8 Benzene, 1-ethyl-3-methyl- Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.42	217.81 ng	12115400	1,4-Dichlorobenzene-d4	6.87

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	Mesitylene	120	C9H12	000108-67-8	91
4	Benzene, 1,2,3-trimethyl-	120	C9H12	000526-73-8	91
5	Benzene, 1-ethyl-4-methyl-	120	C9H12	000622-96-8	91





Data Path : Z:\HPCHEM1\BNA F\DATA\BF021318\
Data File : BF102956.D
Acq On : 13 Feb 2018 12:48
Operator : SJ/JU
Sample : J1518-02
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : MW-4A

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF020318.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

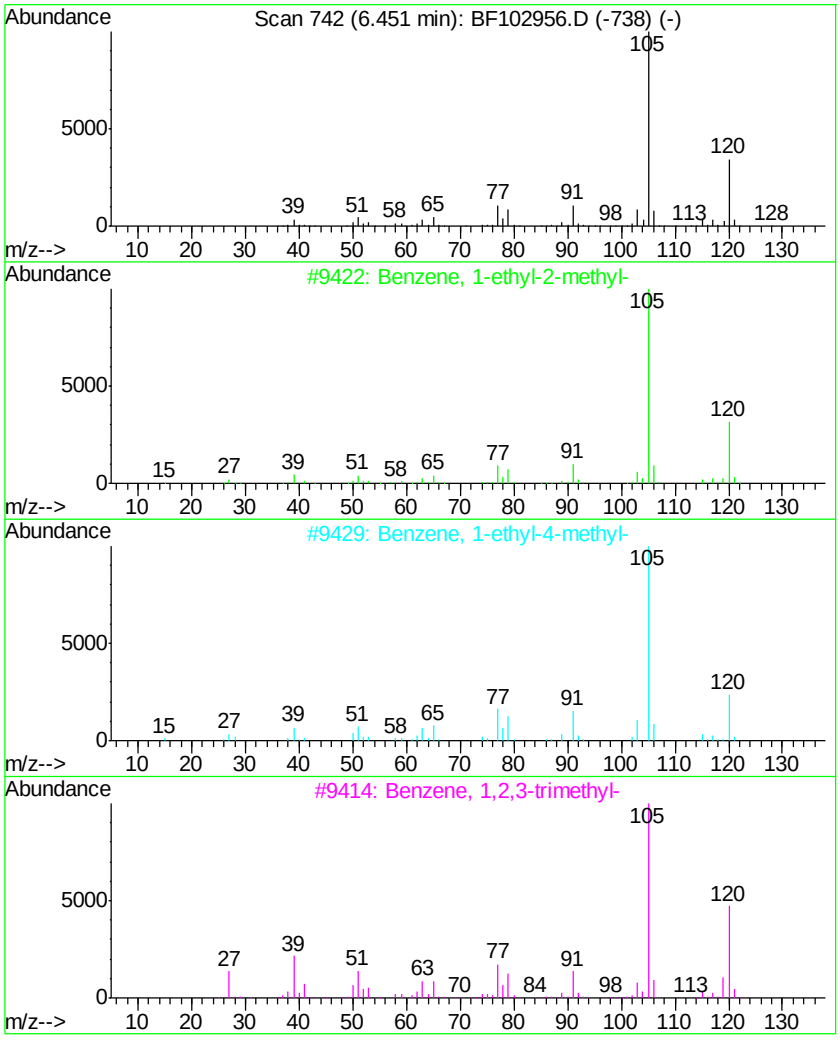
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

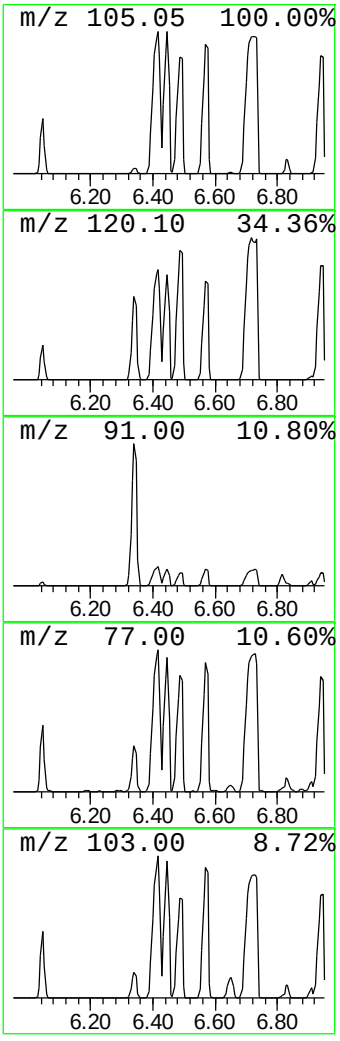
****

Peak Number 9 Benzene, 1-ethyl-2-methyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.45	131.42 ng	7310000	1,4-Dichlorobenzene-d4	6.87

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	93
3	Benzene, 1,2,3-trimethyl-	120	C9H12	000526-73-8	91
4	Benzene, 1-ethyl-3-methyl-	120	C9H12	000620-14-4	91
5	Mesitylene	120	C9H12	000108-67-8	91





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Data File : BF102956.D
Acq On : 13 Feb 2018 12:48
Operator : SJ/JU
Sample : J1518-02
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : MW-4A

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF020318.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

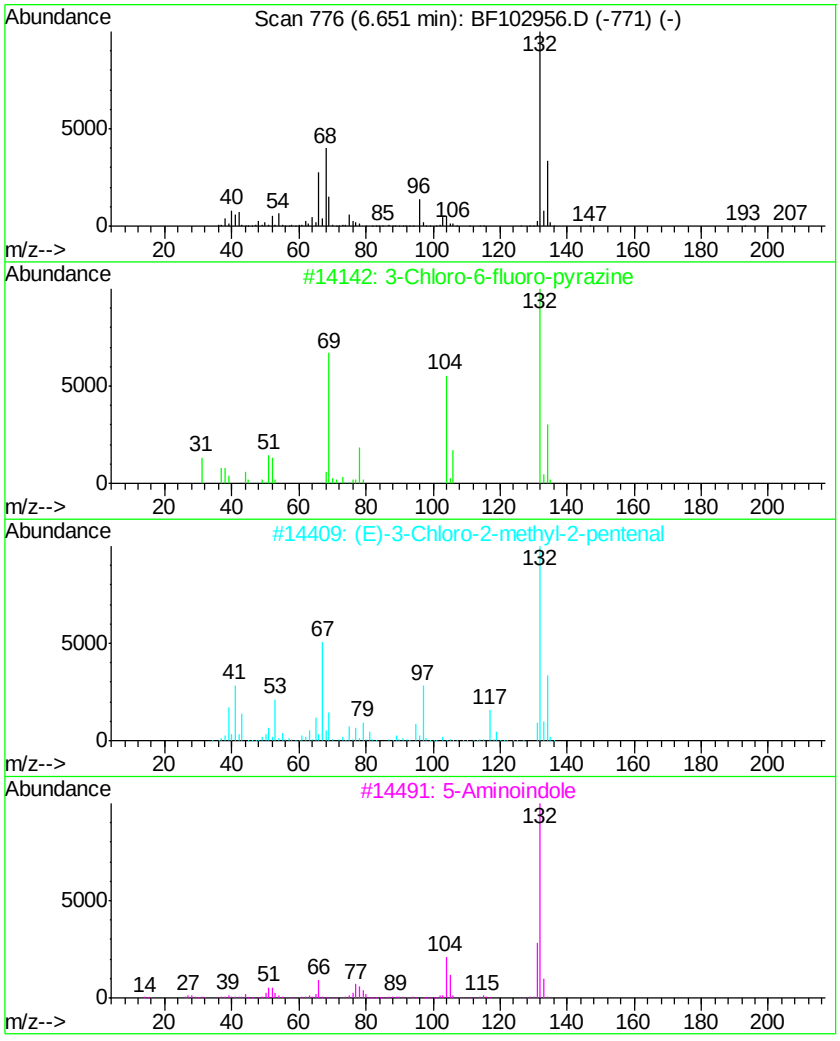
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

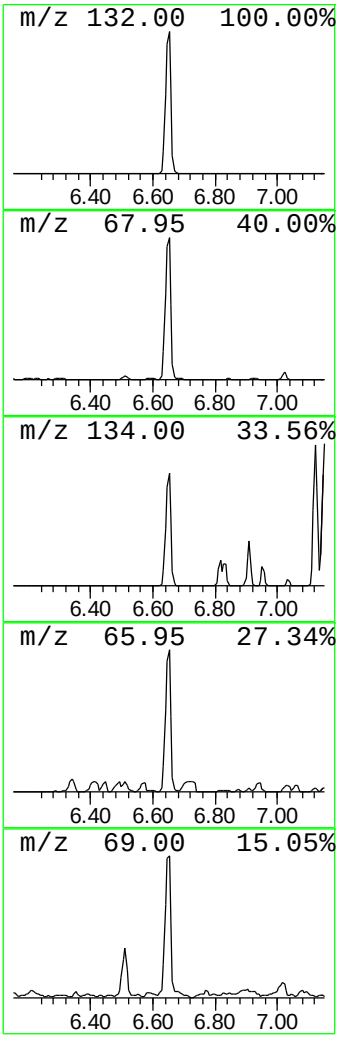
****

Peak Number 11 unknown6.65 Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.65	61.27 ng	3408130	1,4-Dichlorobenzene-d4	6.87

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-Chloro-6-fluoro-pyrazine	132	C4H2ClFN2	1000146-10-7	27
2	(E)-3-Chloro-2-methyl-2-pentenal	132	C6H9ClO	031357-76-3	17
3	5-Aminoindole	132	C8H8N2	005192-03-0	12
4	Bicyclo[4.2.0]octa-1,3,5-triene,...	132	C10H12	028749-81-7	9
5	4-Chloro-2-fluoro-pyrimidine	132	C4H2ClFN2	051422-00-5	9





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Acq On : 13 Feb 2018 12:48
Operator : SJ/JU
Sample : J1518-02
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : MW-4A

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF020318.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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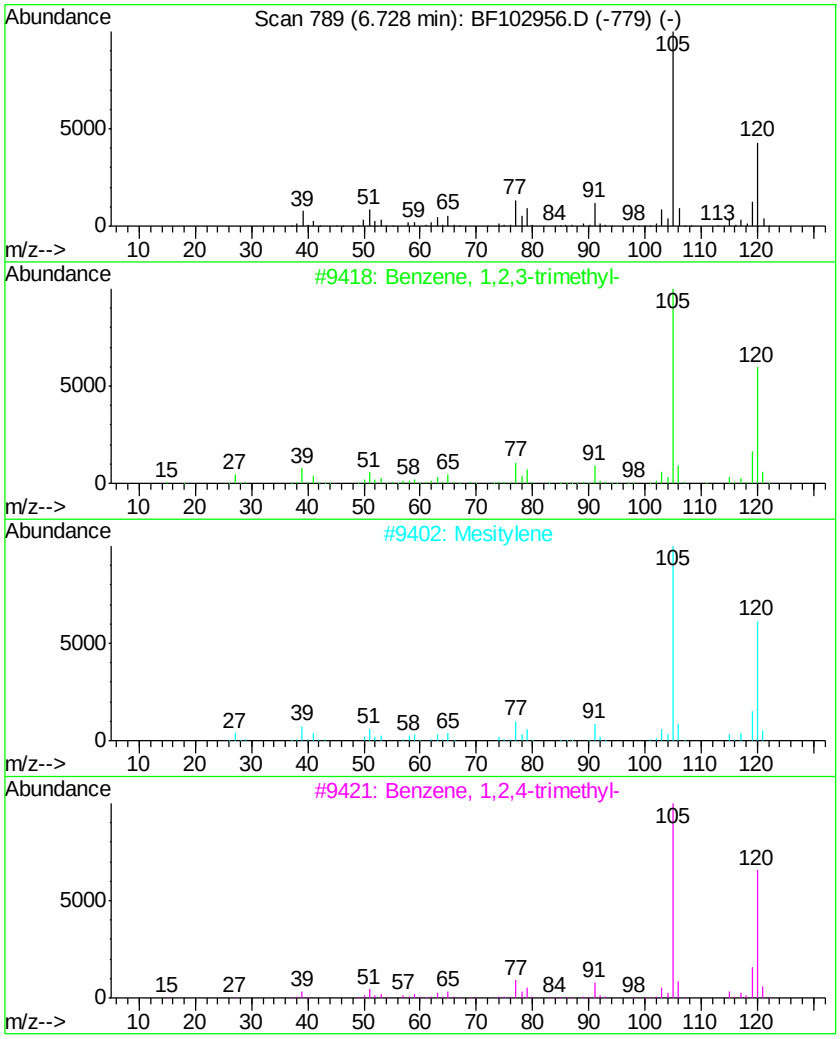
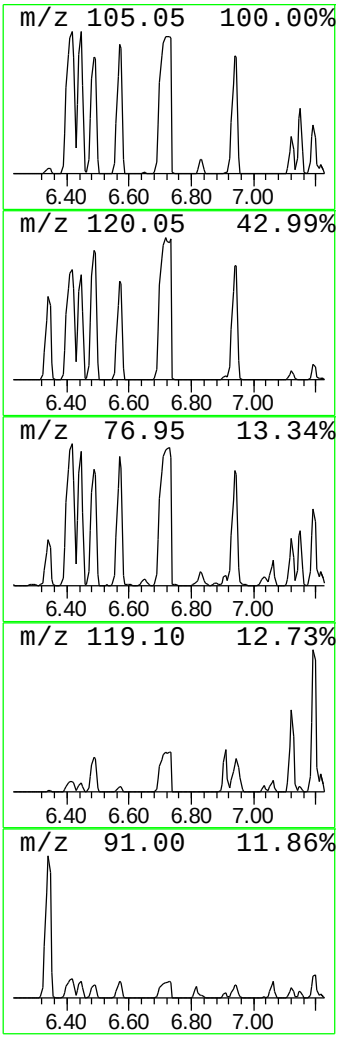
Peak Number 12 Benzene, 1,2,3-trimethyl- Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.73	334.63 ng	18612900	1,4-Dichlorobenzene-d4	6.87

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	95
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 F\DATA\BF021318\
Data File : BF102956.D
Acq On : 13 Feb 2018 12:48
Operator : SJ/JU
Sample : J1518-02
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : MW-4A

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF020318.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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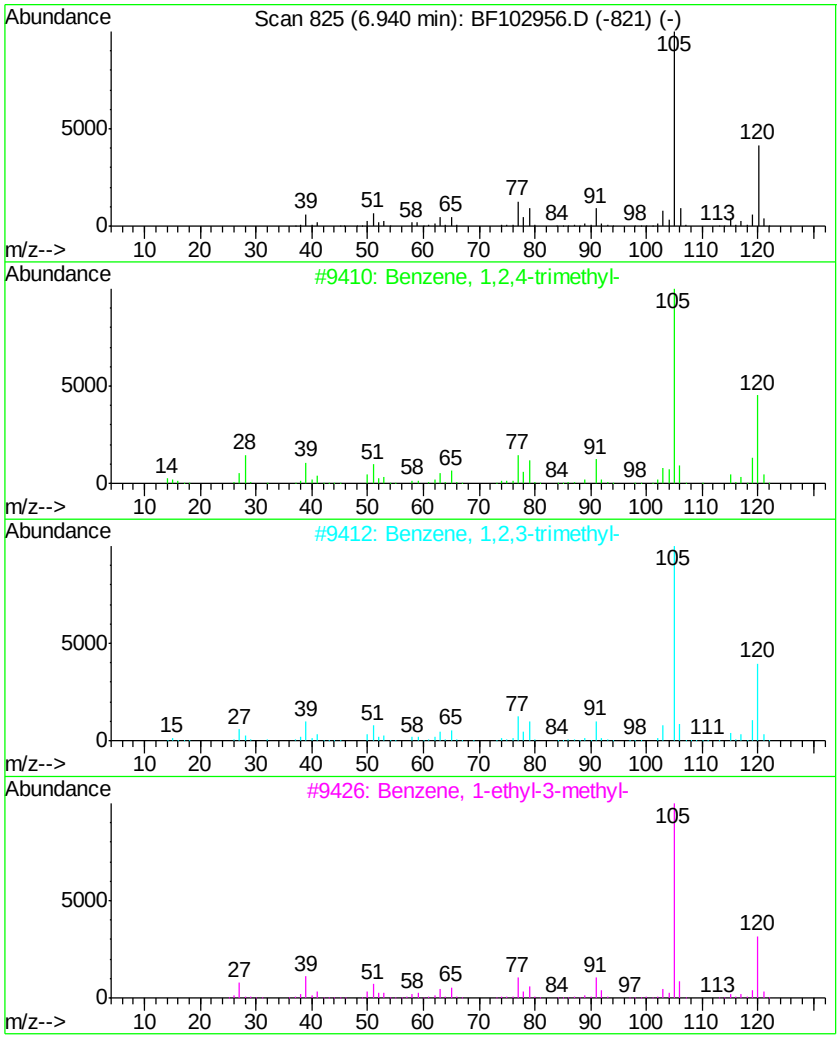
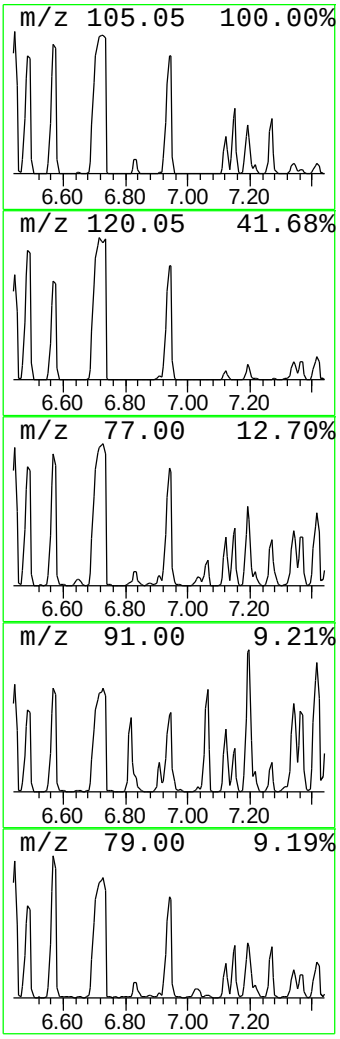
Peak Number 13 Benzene, 1,2,4-trimethyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.94	146.70 ng	8159880	1,4-Dichlorobenzene-d4	6.87

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	94
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 F\DATA\BF021318\
Data File : BF102956.D
Acq On : 13 Feb 2018 12:48
Operator : SJ/JU
Sample : J1518-02
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : MW-4A

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF020318.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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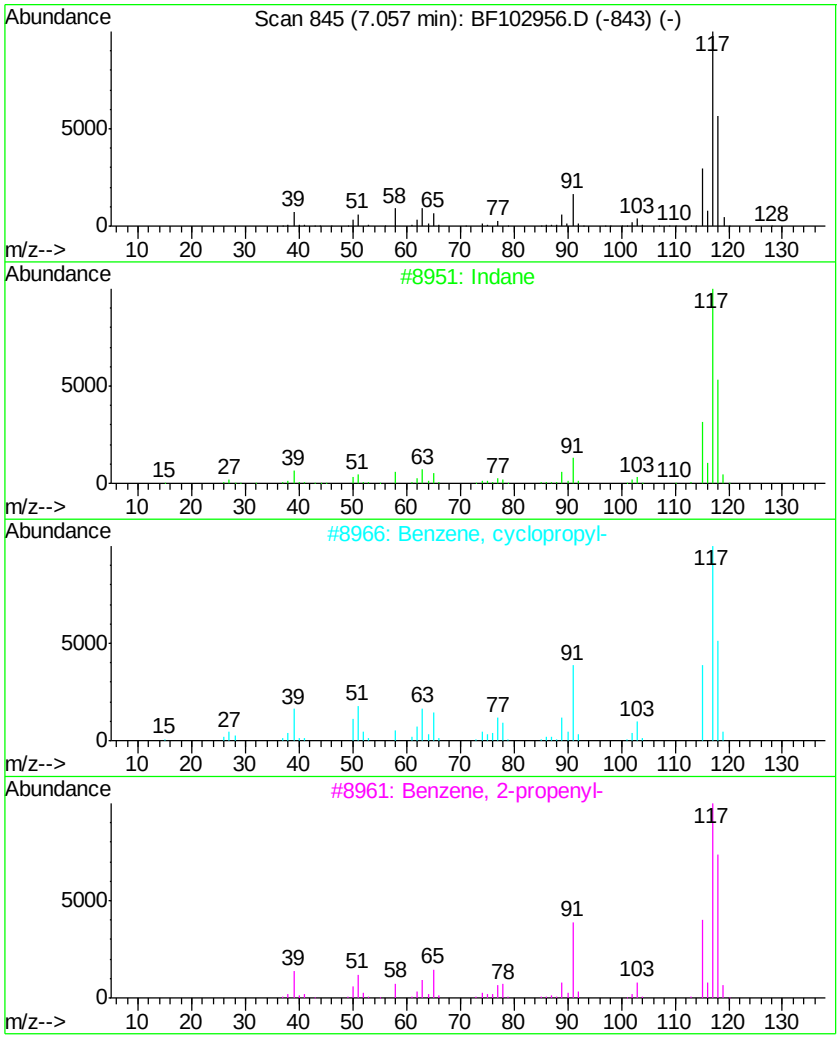
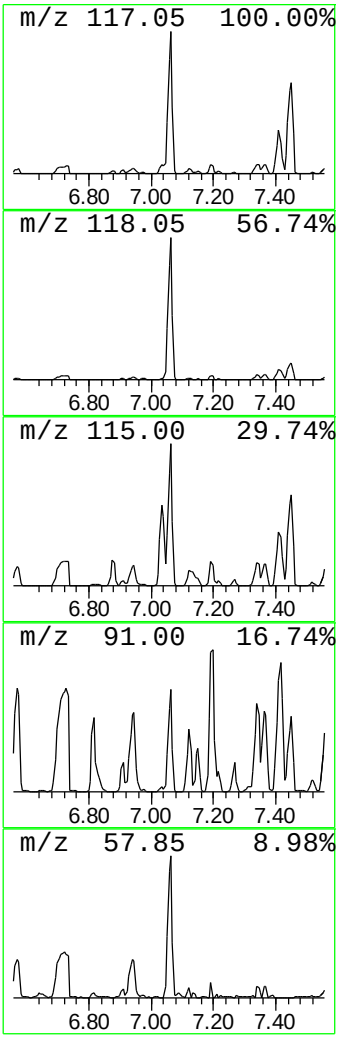
Peak Number 15 Indane Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.06	98.11 ng	5457050	1,4-Dichlorobenzene-d4	6.87

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Indane	118	C9H10	000496-11-7	93
2	Benzene, cyclopropyl-	118	C9H10	000873-49-4	87
3	Benzene, 2-propenyl-	118	C9H10	000300-57-2	83
4	Tetracyclo[3.3.1.0(2,8).0(4,6)]-...	118	C9H10	1000191-13-7	80
5	Deltacyclene	118	C9H10	007785-10-6	72





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Data File : BF102956.D
Acq On : 13 Feb 2018 12:48
Operator : SJ/JU
Sample : J1518-02
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : MW-4A

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF020318.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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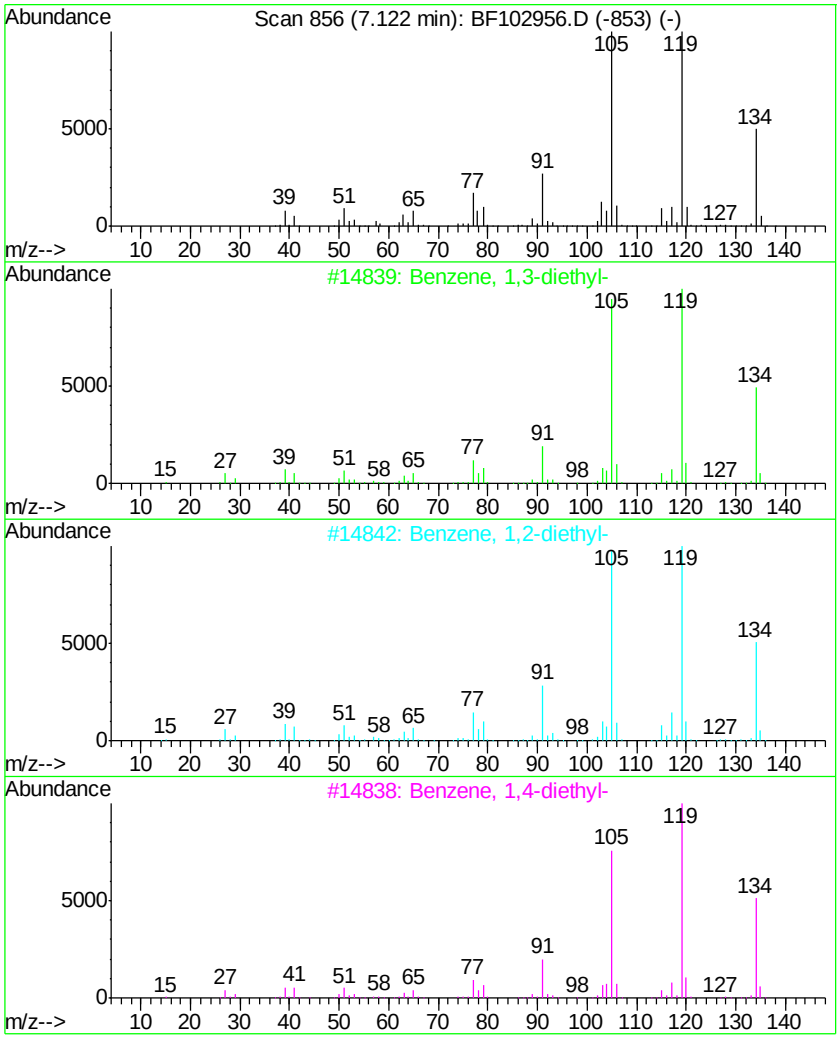
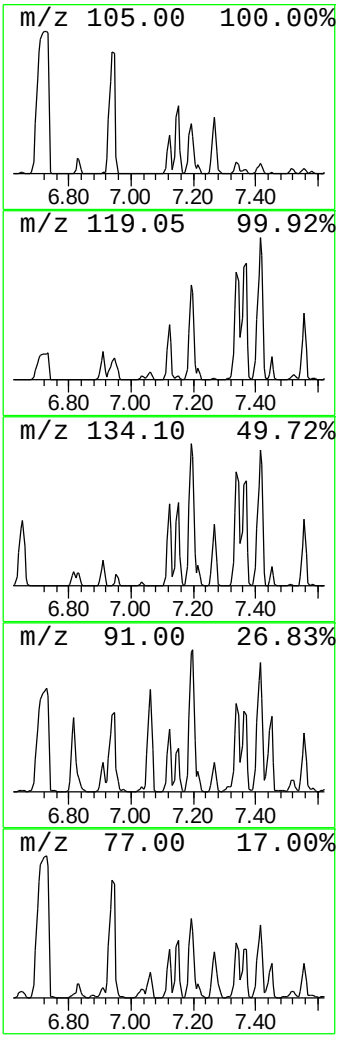
Peak Number 16 Benzene, 1,3-diethyl- Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.12	51.03 ng	2838530	1,4-Dichlorobenzene-d4	6.87

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1,3-diethyl-	134	C10H14	000141-93-5	97
2	Benzene, 1,2-diethyl-	134	C10H14	000135-01-3	95
3	Benzene, 1,4-diethyl-	134	C10H14	000105-05-5	94
4	Benzene, 1-ethyl-3,5-dimethyl-	134	C10H14	000934-74-7	91
5	Benzene, 2-ethyl-1,3-dimethyl-	134	C10H14	002870-04-4	87





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA F\DATA\BF021318\
Data File : BF102956.D
Acq On : 13 Feb 2018 12:48
Operator : SJ/JU
Sample : J1518-02
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : MW-4A

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF020318.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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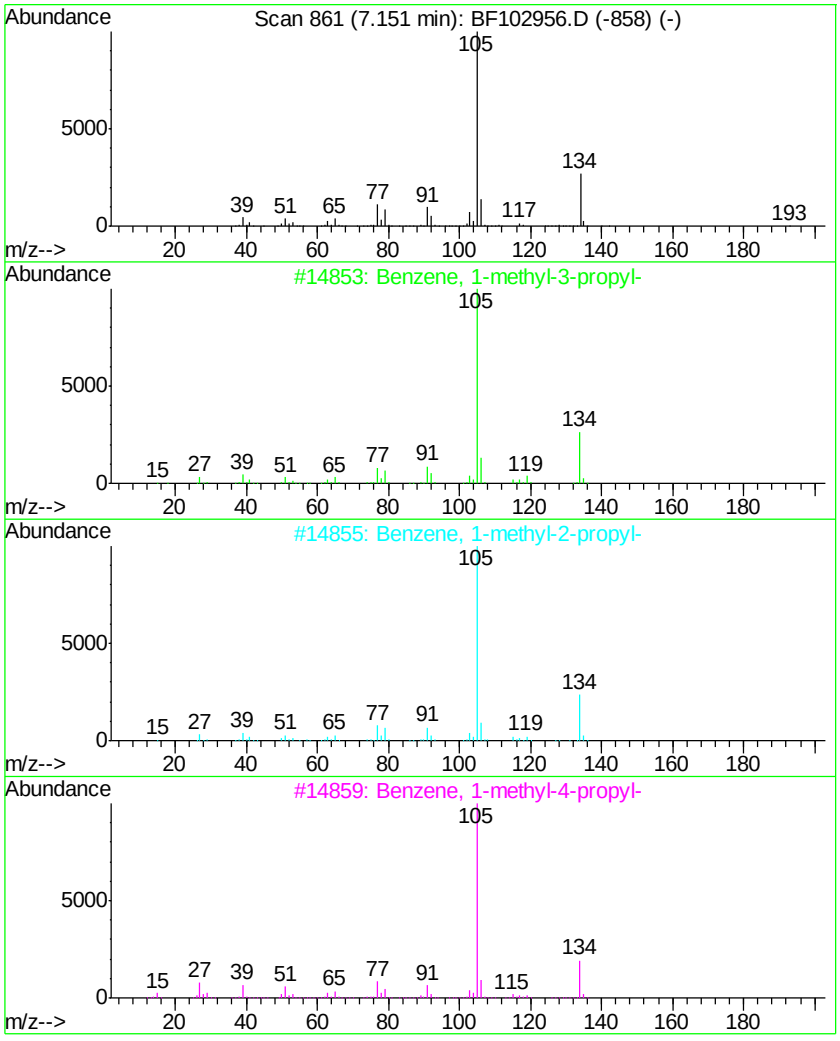
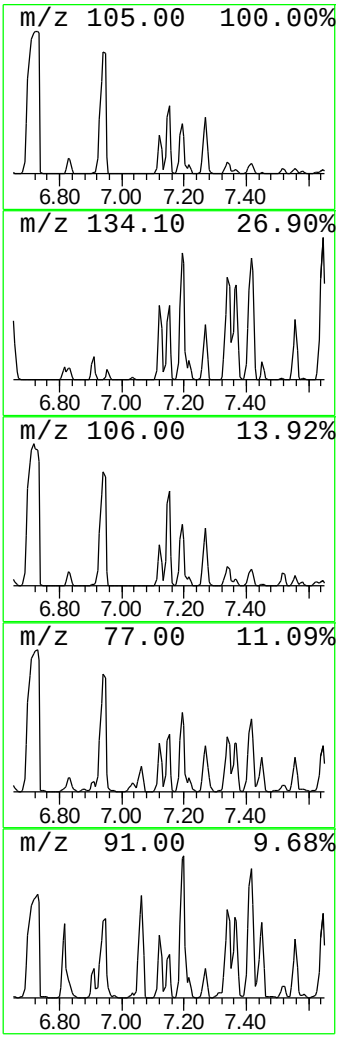
Peak Number 17 Benzene, 1-methyl-3-propyl- Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.15	47.70 ng	2653020	1,4-Dichlorobenzene-d4	6.87

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-methyl-3-propyl-	134	C10H14	001074-43-7	91
2	Benzene, 1-methyl-2-propyl-	134	C10H14	001074-17-5	91
3	Benzene, 1-methyl-4-propyl-	134	C10H14	001074-55-1	91
4	Benzene, (1-methylpropyl)-	134	C10H14	000135-98-8	90
5	2-Tolyloxirane	134	C9H10O	002783-26-8	87





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Acq On : 13 Feb 2018 12:48
Operator : SJ/JU
Sample : J1518-02
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : MW-4A

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF020318.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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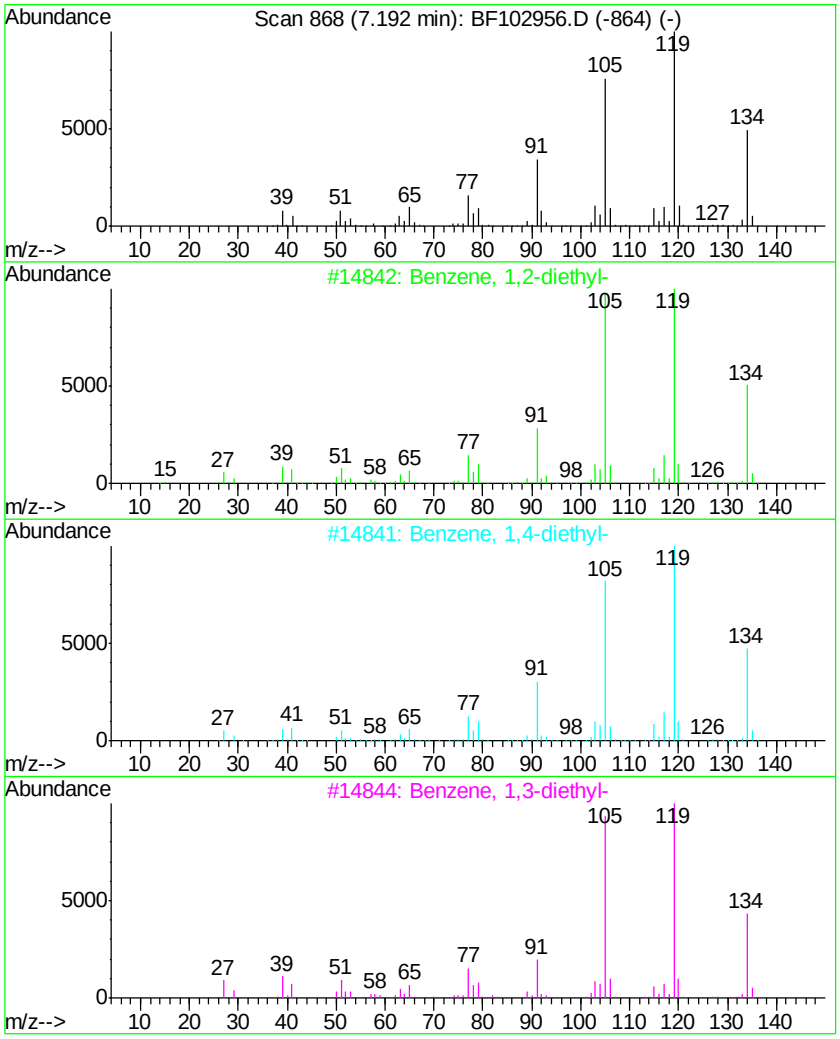
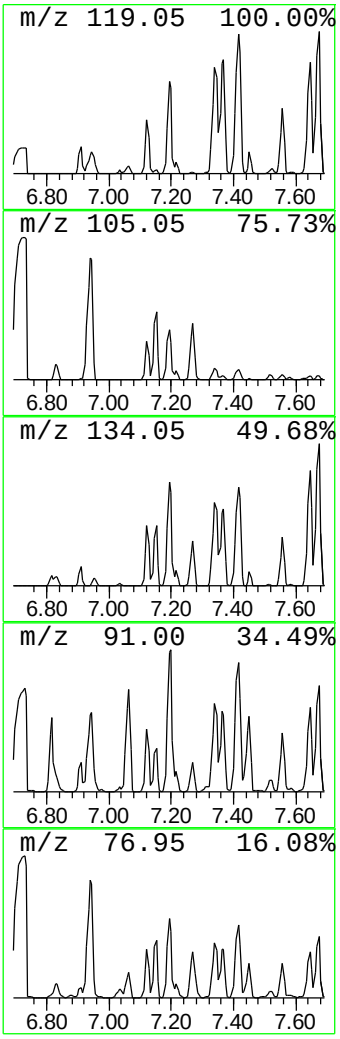
Peak Number 18 Benzene, 1,2-diethyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.19	117.74 ng	6548940	1,4-Dichlorobenzene-d4	6.87

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1,2-diethyl-	134	C10H14	000135-01-3	97
2	Benzene, 1,4-diethyl-	134	C10H14	000105-05-5	96
3	Benzene, 1,3-diethyl-	134	C10H14	000141-93-5	96
4	Benzene, 1,2,3,4-tetramethyl-	134	C10H14	000488-23-3	93
5	Benzene, 1-ethyl-2,3-dimethyl-	134	C10H14	000933-98-2	91





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Acq On : 13 Feb 2018 12:48
Operator : SJ/JU
Sample : J1518-02
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : MW-4A

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF020318.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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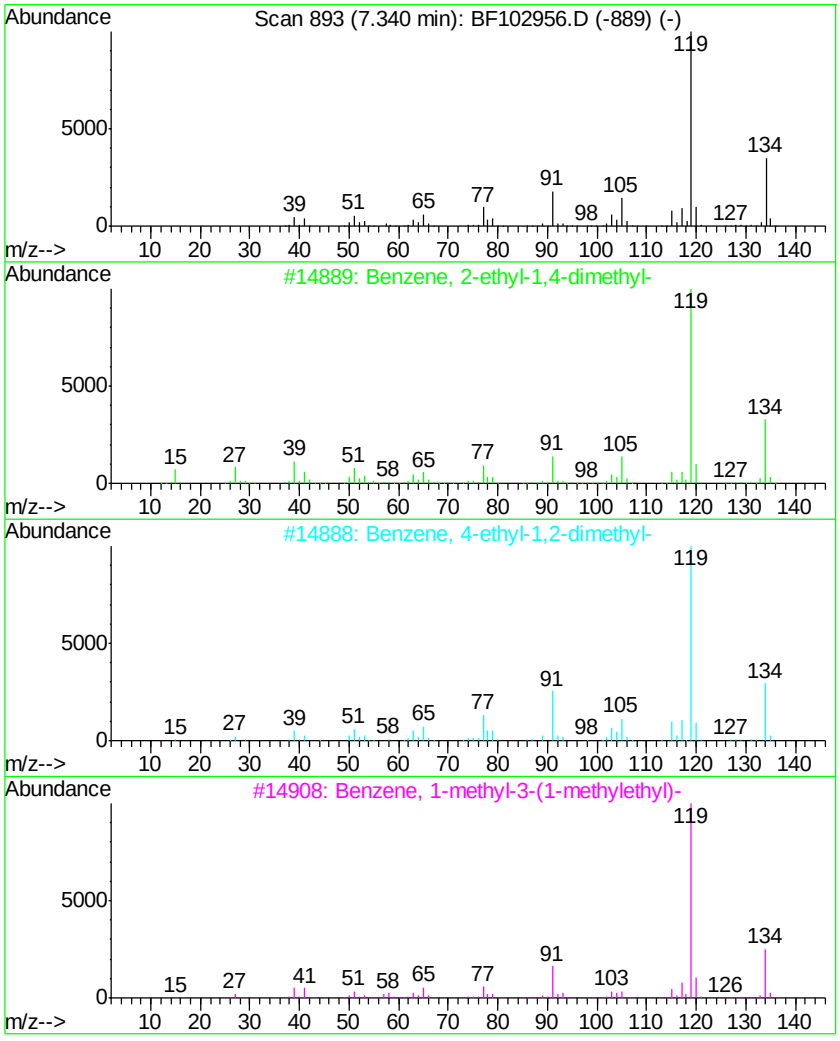
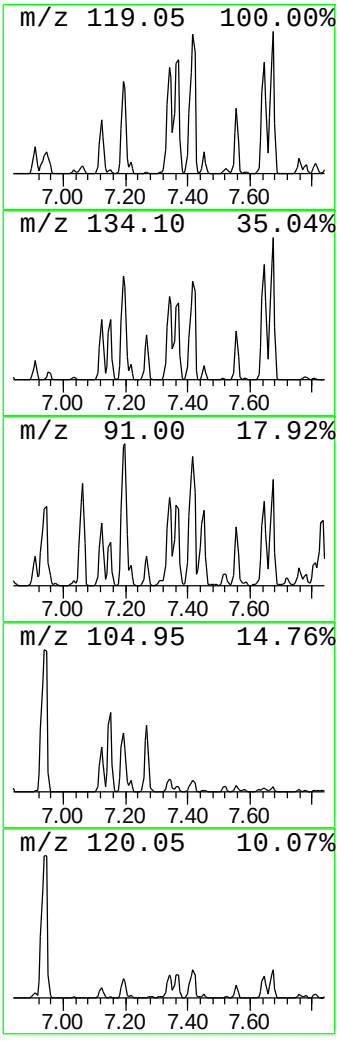
Peak Number 19 Benzene, 2-ethyl-1,4-dimethyl- Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.34	80.71 ng	4489430	1,4-Dichlorobenzene-d4	6.87

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 2-ethyl-1,4-dimethyl-	134	C10H14	001758-88-9	97
2	Benzene, 4-ethyl-1,2-dimethyl-	134	C10H14	000934-80-5	95
3	Benzene, 1-methyl-3-(1-methyleth...	134	C10H14	000535-77-3	94
4	o-Cymene	134	C10H14	000527-84-4	94
5	Benzene, 1-ethyl-2,3-dimethyl-	134	C10H14	000933-98-2	94





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Operator : SJ/JU
Sample : J1518-02
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : MW-4A

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF020318.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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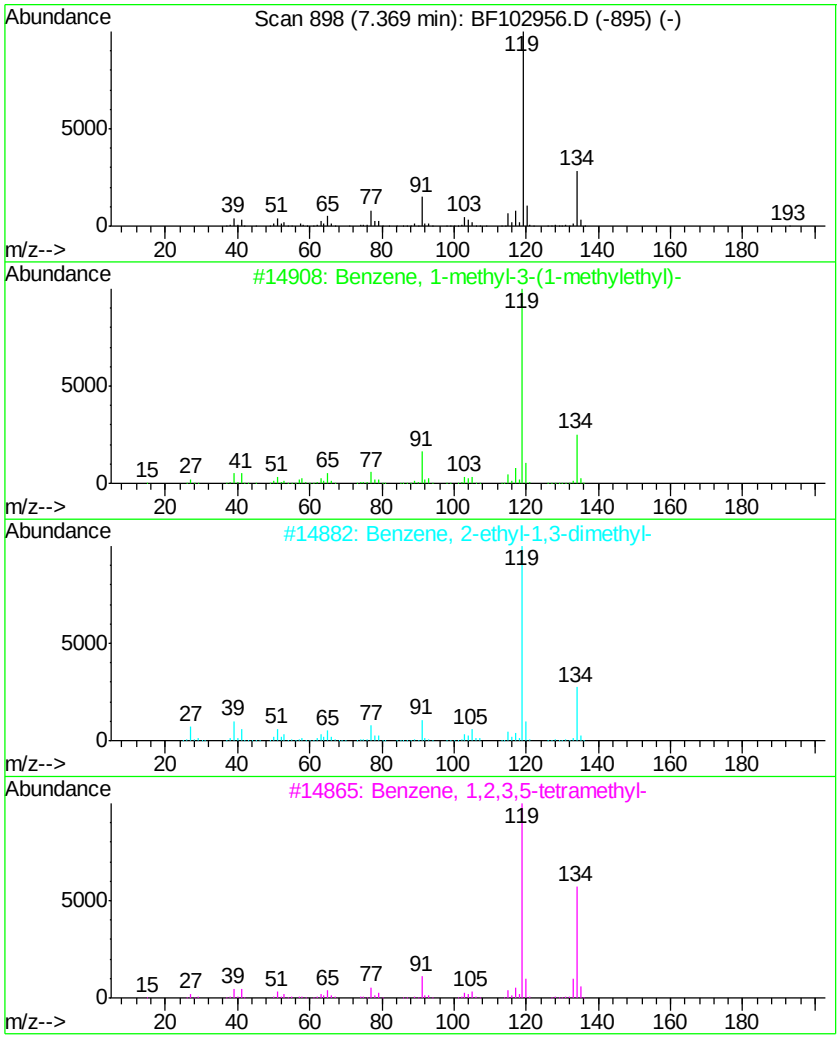
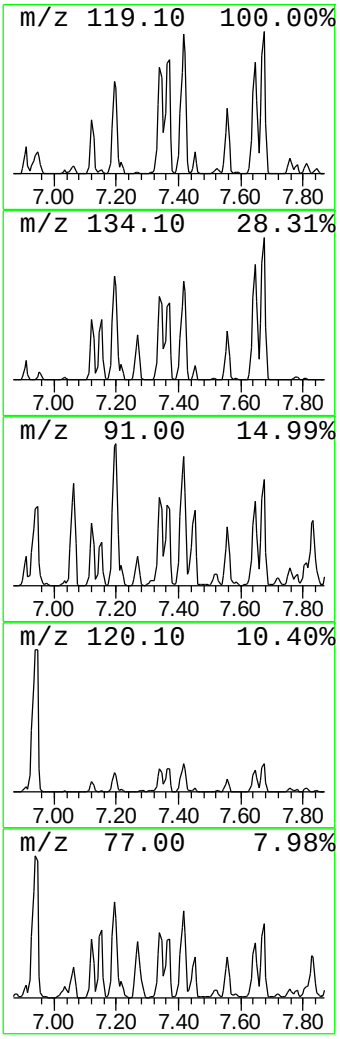
Peak Number 20 Benzene, 1-methyl-3-(1-meth... Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.37	67.51 ng	3755280	1,4-Dichlorobenzene-d4	6.87

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-methyl-3-(1-methyleth...	134	C10H14	000535-77-3	95
2	Benzene, 2-ethyl-1,3-dimethyl-	134	C10H14	002870-04-4	91
3	Benzene, 1,2,3,5-tetramethyl-	134	C10H14	000527-53-7	91
4	Benzene, 1-ethyl-3,5-dimethyl-	134	C10H14	000934-74-7	91
5	Benzene, 4-ethyl-1,2-dimethyl-	134	C10H14	000934-80-5	91





Tentatively Identified Compound (LSC) summary

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF021318\
Data File : BF102956.D
Acq On : 13 Feb 2018 12:48
Operator : SJ/JU
Sample : J1518-02
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : MW-4A

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF020318.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
1,4-Pentadiene, 3...	2.52	32.8	ng	1826850	1	6.87	1112460	20.0
Cyclobutane, (1-m...	3.64	36.4	ng	2026310	1	6.87	1112460	20.0
Benzene, (1-methy...	6.05	42.4	ng	2355630	1	6.87	1112460	20.0
Benzene, propyl-	6.34	116.1	ng	6457530	1	6.87	1112460	20.0
Benzene, 1-ethyl-...	6.42	217.8	ng	12115400	1	6.87	1112460	20.0
Benzene, 1-ethyl-...	6.45	131.4	ng	7310000	1	6.87	1112460	20.0
unknown6.65	6.65	61.3	ng	3408130	1	6.87	1112460	20.0
Benzene, 1,2,3-tr...	6.73	334.6	ng	18612900	1	6.87	1112460	20.0
Benzene, 1,2,4-tr...	6.94	146.7	ng	8159880	1	6.87	1112460	20.0
Indane	7.06	98.1	ng	5457050	1	6.87	1112460	20.0
Benzene, 1,3-diet...	7.12	51.0	ng	2838530	1	6.87	1112460	20.0
Benzene, 1-methyl...	7.15	47.7	ng	2653020	1	6.87	1112460	20.0
Benzene, 1,2-diet...	7.19	117.7	ng	6548940	1	6.87	1112460	20.0
Benzene, 2-ethyl-...	7.34	80.7	ng	4489430	1	6.87	1112460	20.0
Benzene, 1-methyl...	7.37	67.5	ng	3755280	1	6.87	1112460	20.0