LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA F\DATA\BF081717\
Data File : BF097814.D
Acq On : 18 Aug 2017 5:03
Operator : SJ/JU
Sample : I4752-02
Misc :
ALS Vial : 28 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : RMAB-MW-13-GW

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-BF081517.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	3.822	284	295	300	rBV	485432	688457	6.63%	0.566%
2	4.293	370	375	382	rVB4	60914	114864	1.11%	0.094%
3	4.981	487	492	495	rBV	514204	596994	5.75%	0.491%
4	5.381	552	560	561	rBV	5876477	9492021	91.46%	7.803%
5	5.393	561	562	566	rVB	6067150	4573752	44.07%	3.760%
6	5.640	597	604	607	rBV	6834978	10377826	100.00%	8.531%
7	6.098	678	682	686	rBV5	87586	124577	1.20%	0.102%
8	6.310	713	718	721	rBV	5503728	6122513	59.00%	5.033%
9	6.340	721	723	726	rVV	4195907	3570110	34.40%	2.935%
10	6.387	726	731	741	rVB2	4781521	5469550	52.70%	4.496%
11	6.469	741	745	748	rBV	4993570	4731226	45.59%	3.889%
12	6.545	753	758	761	rBV	2483865	2222150	21.41%	1.827%
13	6.610	764	769	772	rBV	5661826	6193667	59.68%	5.092%
14	6.775	794	797	801	rBV	1030625	978847	9.43%	0.805%
15	6.816	801	804	805	rBV	428845	404420	3.90%	0.332%
16	6.845	805	809	812	rVB	5304677	5568899	53.66%	4.578%
17	6.904	817	819	821	rVV	270454	220944	2.13%	0.182%
18	6.940	821	825	826	rVV	2693868	2821431	27.19%	2.319%
19	6.963	826	829	832	rVB	4730505	4498133	43.34%	3.698%
20	7.034	837	841	843	rVV2	1348880	1556950	15.00%	1.280%
21	7.057	843	845	848	rVV	1332154	974977	9.39%	0.801%
22	7.098	848	852	855	rVV	2416120	2258411	21.76%	1.857%
23	7.122	855	856	860	rVB2	308680	181003	1.74%	0.149%
24	7.175	861	865	870	rVB2	767431	736671	7.10%	0.606%
25	7.245	873	877	879	rBV	1276905	1174589	11.32%	0.966%
26	7.269	879	881	885	rVV	1087388	899970	8.67%	0.740%
27	7.316	885	889	891	rVV	2552781	2811436	27.09%	2.311%
28	7.345	891	894	899	rVB2	3084319	3468023	33.42%	2.851%
29	7.428	905	908	911	rBV4	111301	129066	1.24%	0.106%
30	7.463	911	914	917	rVV	968508	738728	7.12%	0.607%
31	7.551	925	929	931	rBV	1433296	1251995	12.06%	1.029%
32	7.575	931	933	936	rVB	2049493	1688070	16.27%	1.388%
33	7.628	936	942	944	rBV	2689698	2287413	22.04%	1.880%
34	7.657	944	947	951	rVV3	539787	718582	6.92%	0.591%

LSC Area Percent Report

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Sample : I4752-02
Misc :
ALS Vial : 28 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : RMAB-MW-13-GW

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 >
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Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF081517.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

35	7.687	951	952	954	rVV	201528	138969	1.34%	0.114%
36	7.734	954	960	966	rVV2	1859074	2343200	22.58%	1.926%
37	7.798	966	971	974	rVV2	3074230	3362457	32.40%	2.764%
38	7.828	974	976	983	rVV3	586688	1048346	10.10%	0.862%
39	7.904	986	989	992	rVV2	467495	595536	5.74%	0.490%
40	7.934	992	994	997	rVB	461839	344309	3.32%	0.283%
41	8.010	1002	1007	1009	rBV	542403	565360	5.45%	0.465%
42	8.028	1009	1010	1012	rVV	532026	409685	3.95%	0.337%
43	8.057	1012	1015	1017	rVV2	1276046	1592191	15.34%	1.309%
44	8.087	1017	1020	1022	rVV	2702929	2626136	25.31%	2.159%
45	8.110	1022	1024	1025	rVV	334021	263519	2.54%	0.217%
46	8.134	1025	1028	1029	rVV2	296430	283960	2.74%	0.233%
47	8.181	1033	1036	1038	rVV	563460	417812	4.03%	0.343%
48	8.216	1038	1042	1044	rVV2	210003	193578	1.87%	0.159%
49	8.251	1044	1048	1051	rVB2	413609	396952	3.83%	0.326%
50	8.292	1051	1055	1057	rBV2	259659	274379	2.64%	0.226%
51	8.322	1057	1060	1062	rVV	478225	495498	4.77%	0.407%
52	8.410	1072	1075	1076	rVV	156083	140181	1.35%	0.115%
53	8.445	1076	1081	1083	rVV2	328780	498226	4.80%	0.410%
54	8.469	1083	1085	1087	rVV	480349	460967	4.44%	0.379%
55	8.492	1087	1089	1091	rVV	338704	293060	2.82%	0.241%
56	8.528	1091	1095	1099	rVV2	409251	464104	4.47%	0.382%
57	8.563	1099	1101	1106	rVB2	132991	163590	1.58%	0.134%
58	8.651	1112	1116	1119	rVB	884225	731462	7.05%	0.601%
59	8.722	1125	1128	1131	rVB4	130052	142642	1.37%	0.117%
60	8.775	1131	1137	1139	rBV2	682600	796031	7.67%	0.654%
61	8.798	1139	1141	1143	rVB	154258	114177	1.10%	0.094%
62	8.869	1149	1153	1155	rBV2	696592	642161	6.19%	0.528%
63	8.904	1155	1159	1162	rVV5	136733	233872	2.25%	0.192%
64	8.945	1162	1166	1169	rVV2	283073	350519	3.38%	0.288%
65	9.010	1173	1177	1179	rVV2	331755	388083	3.74%	0.319%
66	9.057	1182	1185	1188	rVB2	113897	136537	1.32%	0.112%
67	9.139	1193	1199	1202	rBV	3456275	3251386	31.33%	2.673%
68	9.233	1206	1215	1218	rBV	356945	678768	6.54%	0.558%
69	9.298	1223	1226	1228	rVB	127236	105457	1.02%	0.087%
70	9.375	1236	1239	1241	rBV2	131093	125665	1.21%	0.103%
71	9.810	1309	1313	1317	rVB2	1089995	949893	9.15%	0.781%

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Misc :
ALS Vial : 28 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : RMAB-MW-13-GW

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-BF081517.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

72	10.598	1442	1447	1450	rBV	1060040	993697	9.58%	0.817%
73	10.763	1471	1475	1481	rBV	233151	192013	1.85%	0.158%
74	11.292	1561	1565	1569	rBV2	906245	795614	7.67%	0.654%
75	12.886	1831	1836	1839	rBV	2529390	2513864	24.22%	2.067%
76	13.927	2009	2013	2017	rBV	987957	870700	8.39%	0.716%
77	15.357	2251	2256	2262	rBV	517902	614526	5.92%	0.505%

Sum of corrected areas: 121645347

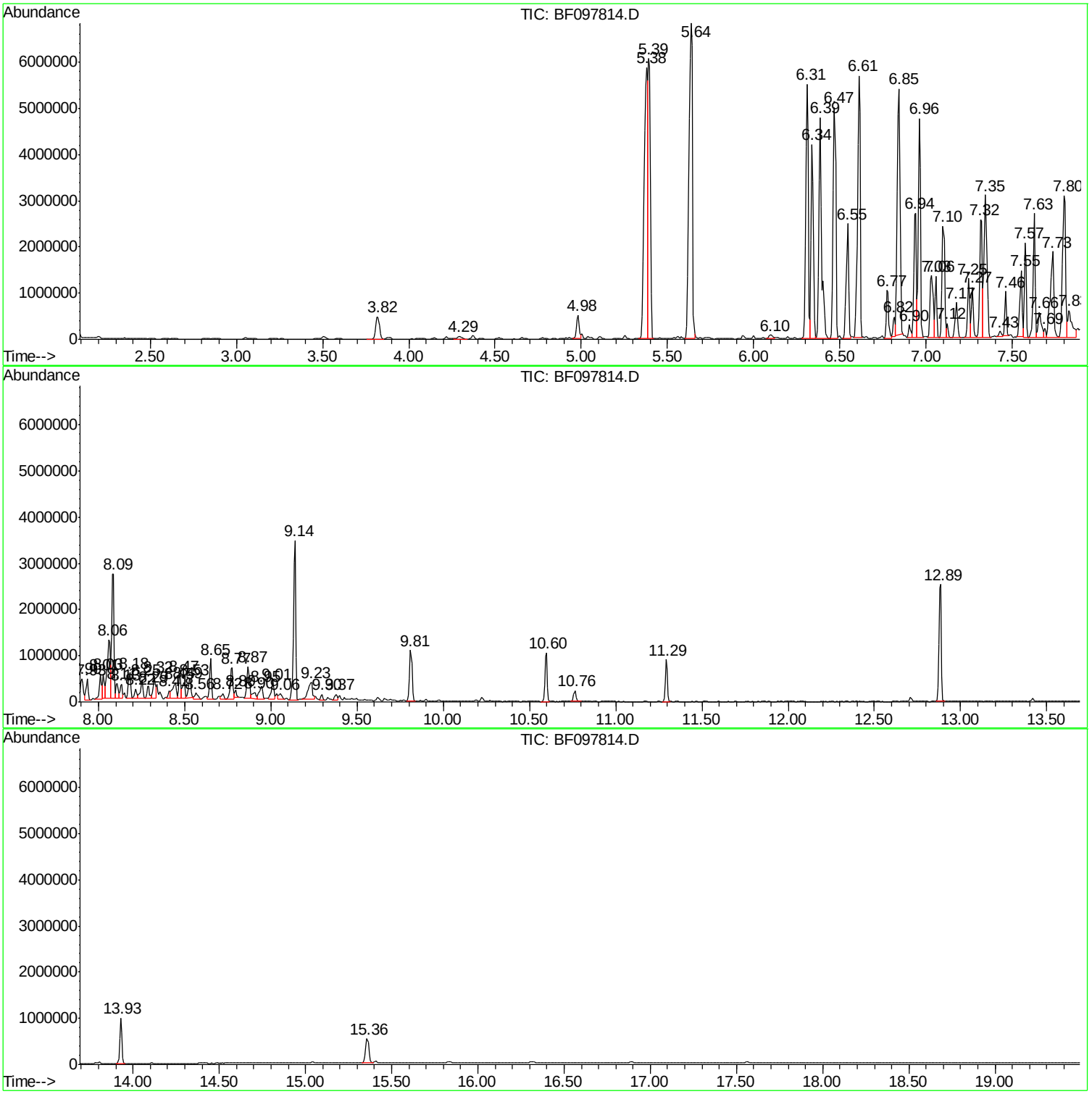
LSC Report - Integrated Chromatogram

Data Path : Z:\HPCHEM1\BNA F\DATA\BF081717\
Data File : BF097814.D
Acq On : 18 Aug 2017 5:03
Operator : SJ/JU
Sample : I4752-02
Misc :
ALS Vial : 28 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : RMAB-MW-13-GW

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF081517.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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



Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA F\DATA\BF081717\
Data File : BF097814.D
Acq On : 18 Aug 2017 5:03
Operator : SJ/JU
Sample : I4752-02
Misc :
ALS Vial : 28 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : RMAB-MW-13-GW

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF081517.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

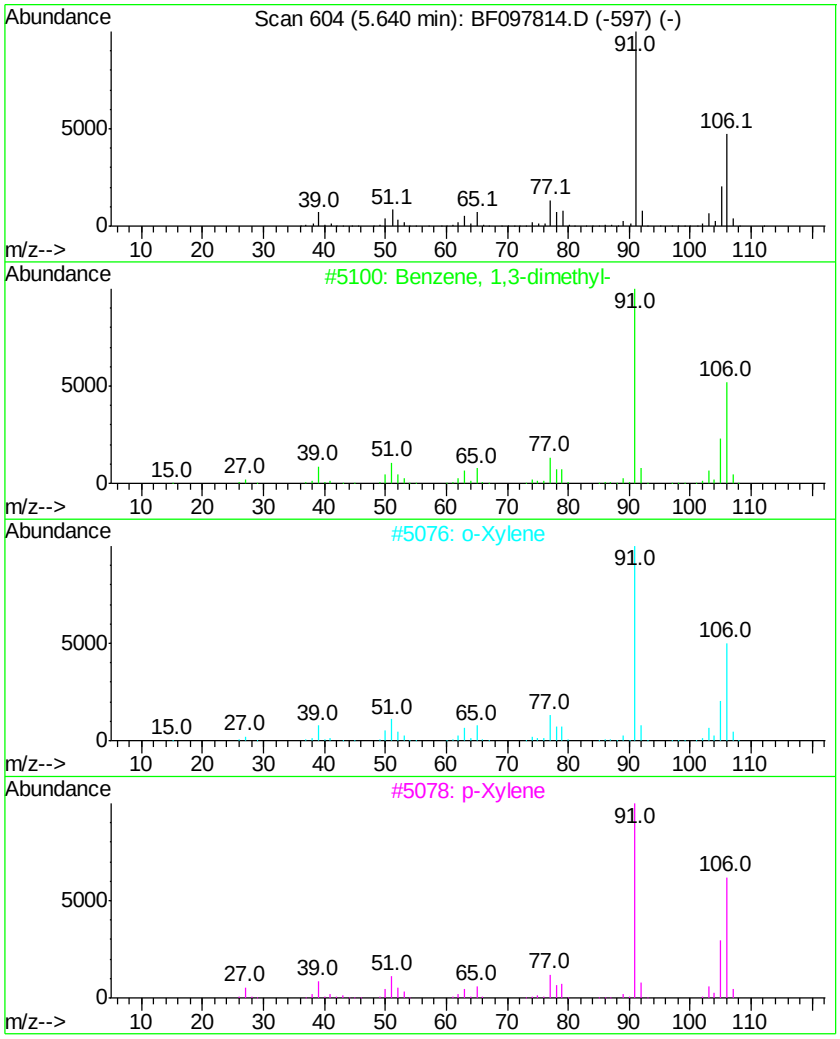
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

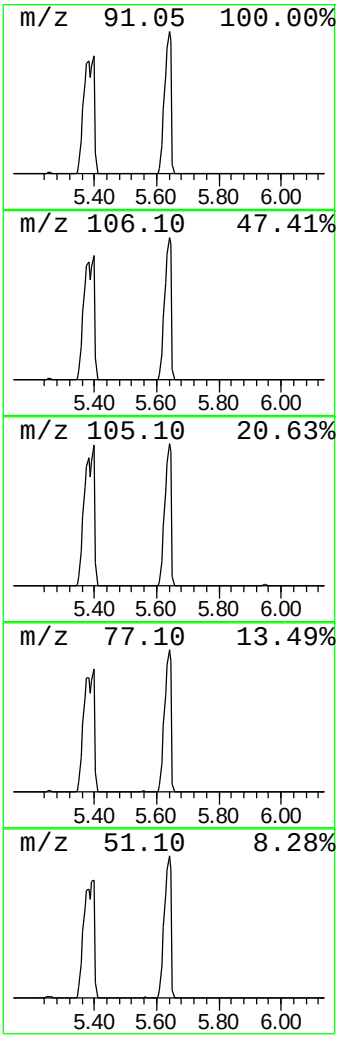
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.64	212.04 ng	10377800	1,4-Dichlorobenzene-d4	6.78

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1,3-dimethyl-	106	C8H10	000108-38-3	97
2	o-Xylene	106	C8H10	000095-47-6	97
3	p-Xylene	106	C8H10	000106-42-3	97
4	1,3-Cyclopentadiene, 5-(1-methyl...	106	C8H10	002175-91-9	90
5	Ethylbenzene	106	C8H10	000100-41-4	83





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Data File : BF097814.D
Acq On : 18 Aug 2017 5:03
Operator : SJ/JU
Sample : I4752-02
Misc :
ALS Vial : 28 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : RMAB-MW-13-GW

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF081517.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

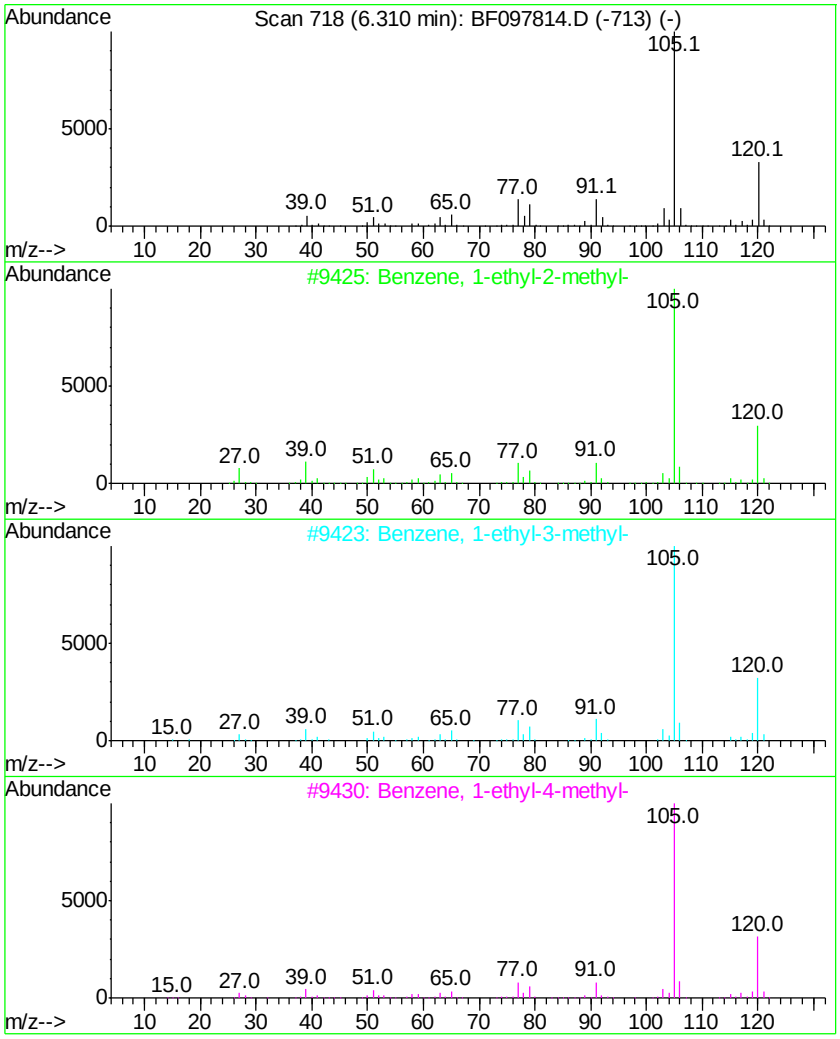
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

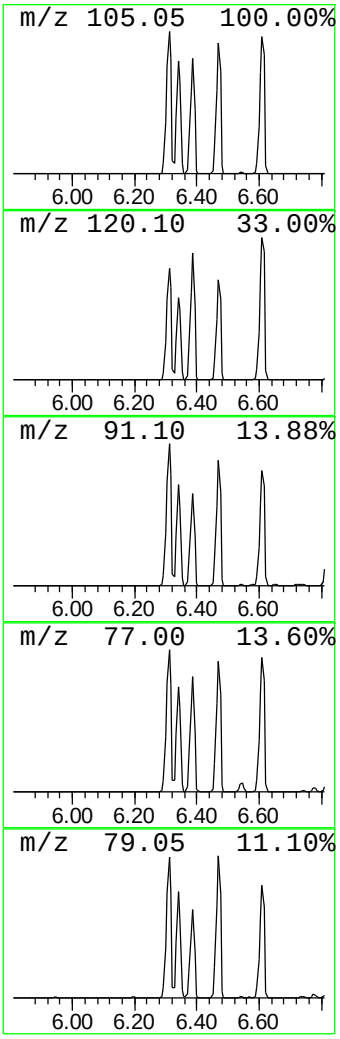
****

Peak Number 2 Benzene, 1-ethyl-2-methyl- Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.31	125.10 ng	6122510	1,4-Dichlorobenzene-d4	6.78

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-3-methyl-	120	C9H12	000620-14-4	94
3	Benzene, 1-ethyl-4-methyl-	120	C9H12	000622-96-8	91
4	Mesitylene	120	C9H12	000108-67-8	91
5	Benzene, 1,2,4-trimethyl-	120	C9H12	000095-63-6	91





Data Path : Z:\HPCHEM1\BNA F\DATA\BF081717\
Data File : BF097814.D
Acq On : 18 Aug 2017 5:03
Operator : SJ/JU
Sample : I4752-02
Misc :
ALS Vial : 28 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : RMAB-MW-13-GW

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF081517.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
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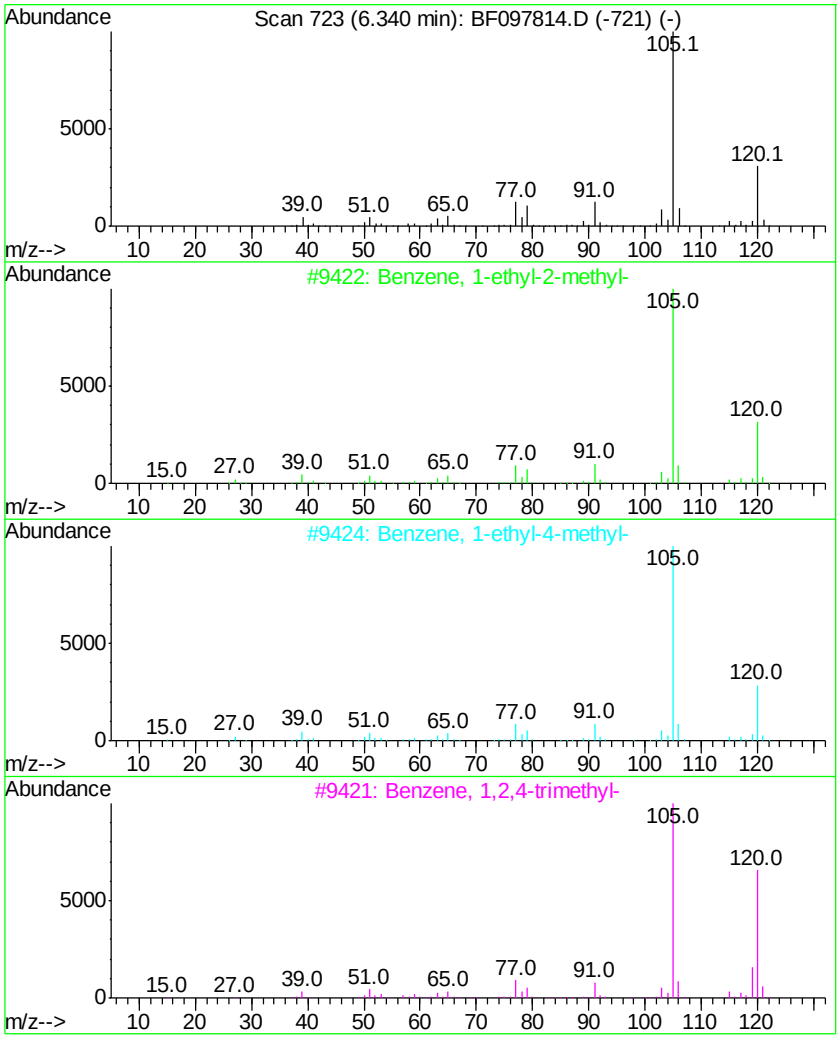
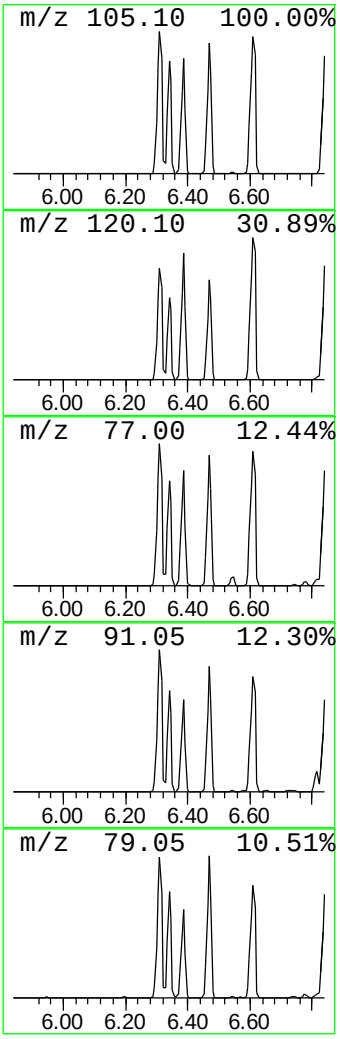
****

Peak Number 3 Benzene, 1-ethyl-4-methyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.34	72.95 ng	3570110	1,4-Dichlorobenzene-d4	6.78

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	91
3	Benzene, 1,2,4-trimethyl-	120	C9H12	000095-63-6	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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Sample : I4752-02
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ALS Vial : 28 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : RMAB-MW-13-GW

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF081517.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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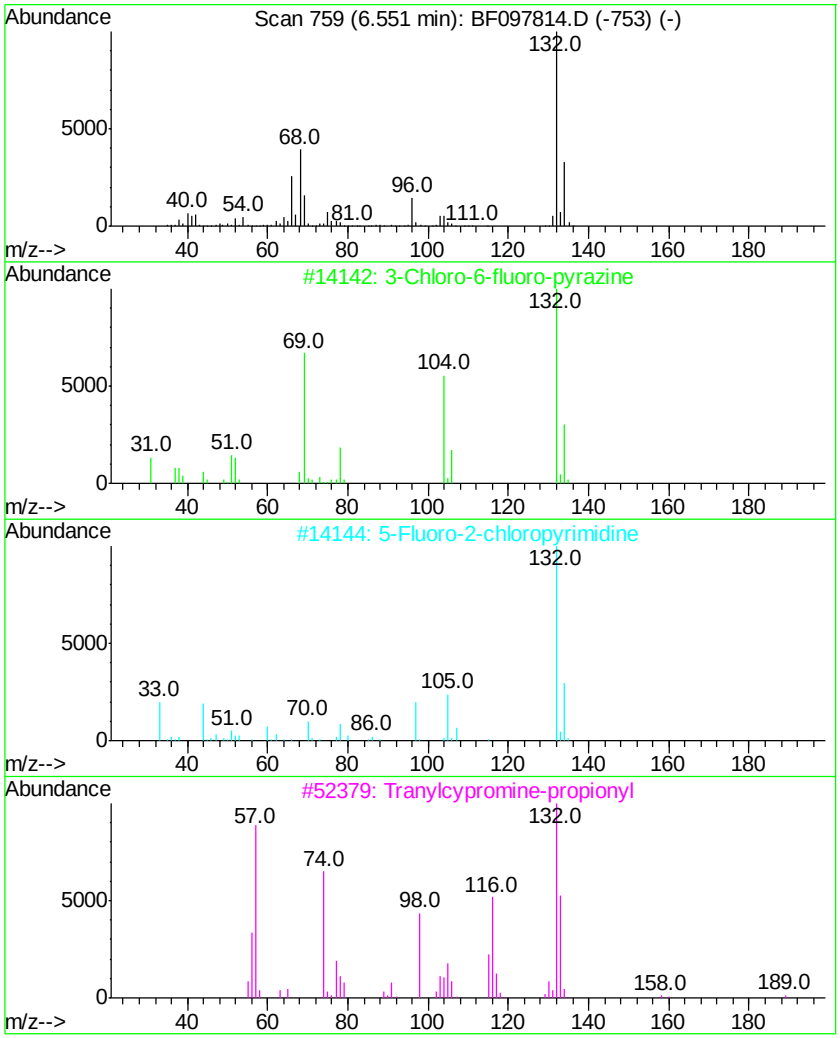
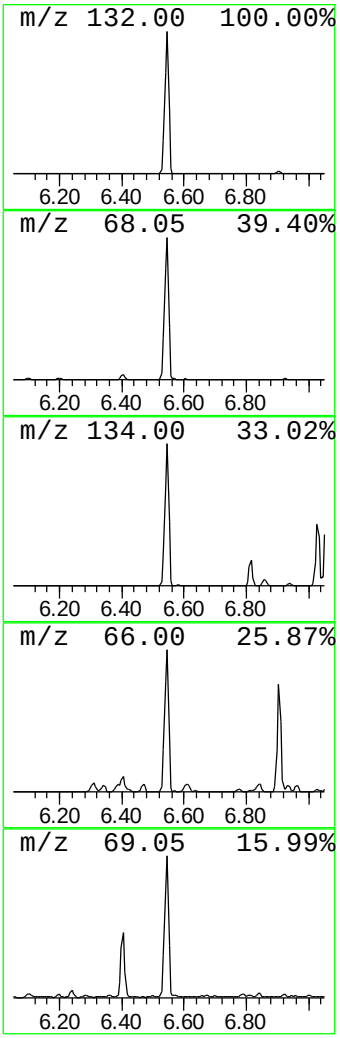
Peak Number 5 unknown6.55 Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.55	45.40 ng	2222150	1,4-Dichlorobenzene-d4	6.78

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-Chloro-6-fluoro-pyrazine	132	C4H2ClFN2	1000146-10-7	27
2	5-Fluoro-2-chloropyrimidine	132	C4H2ClFN2	062802-42-0	12
3	Tranylcypromine-propionyl	189	C12H15NO	1000123-86-3	10
4	5-Aminoindole	132	C8H8N2	005192-03-0	10
5	1,3,5-Trifluorobenzene	132	C6H3F3	000372-38-3	9





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Sample : I4752-02
Misc :
ALS Vial : 28 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : RMAB-MW-13-GW

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF081517.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

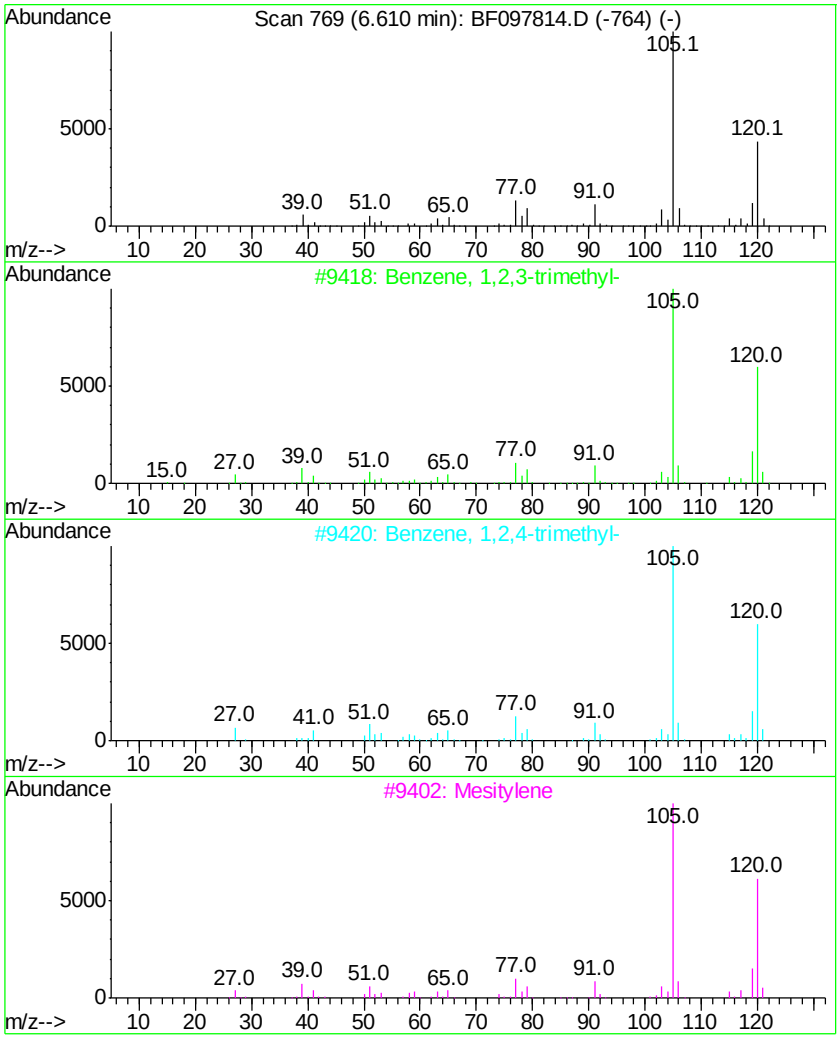
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

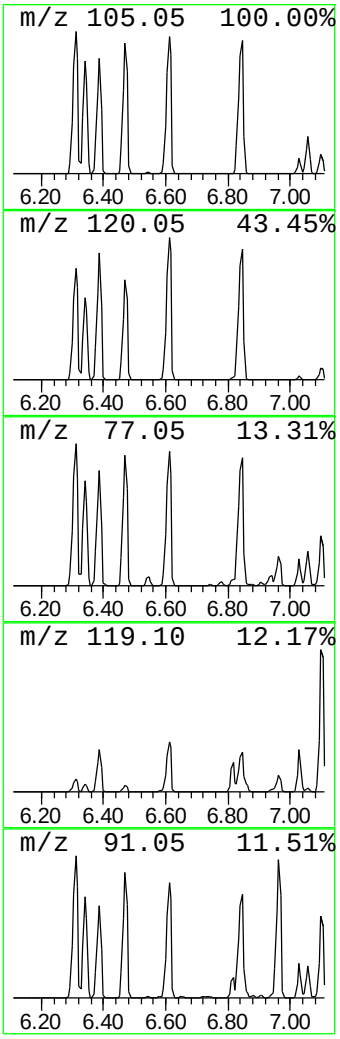
****

Peak Number 6 Benzene, 1,2,3-trimethyl- Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.61	126.55 ng	6193670	1,4-Dichlorobenzene-d4	6.78

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1,2,3-trimethyl-	120	C9H12	000526-73-8	97
2	Benzene, 1,2,4-trimethyl-	120	C9H12	000095-63-6	94
3	Mesitylene	120	C9H12	000108-67-8	91
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\BF081717\
Data File : BF097814.D
Acq On : 18 Aug 2017 5:03
Operator : SJ/JU
Sample : I4752-02
Misc :
ALS Vial : 28 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : RMAB-MW-13-GW

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF081517.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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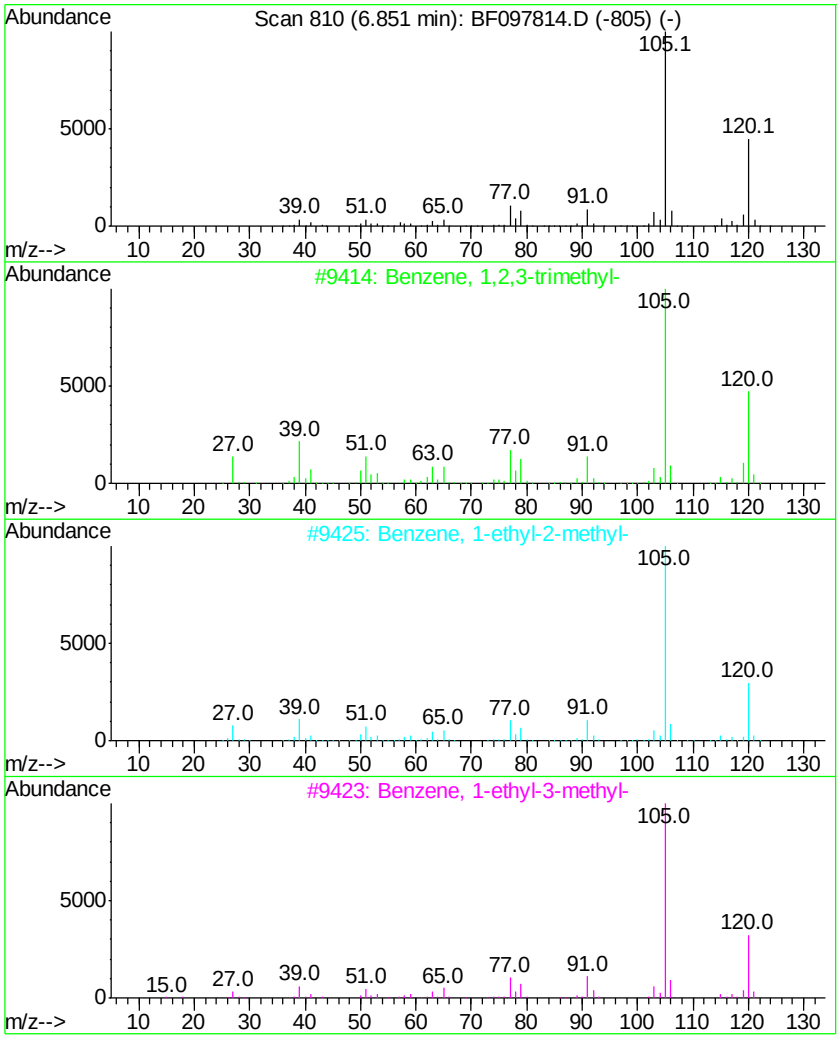
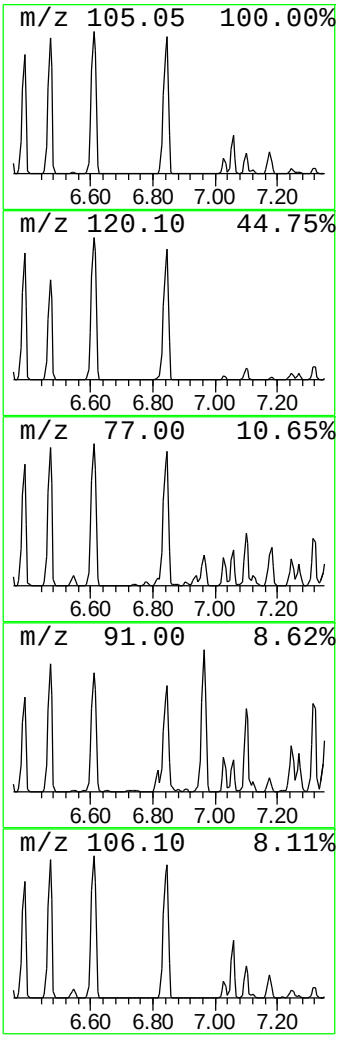
Peak Number 7 Benzene, 1-ethyl-3-methyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.85	113.79 ng	5568900	1,4-Dichlorobenzene-d4	6.78

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1,2,3-trimethyl-	120	C9H12	000526-73-8	94
2	Benzene, 1-ethyl-2-methyl-	120	C9H12	000611-14-3	91
3	Benzene, 1-ethyl-3-methyl-	120	C9H12	000620-14-4	91
4	Benzene, 1-ethyl-4-methyl-	120	C9H12	000622-96-8	91
5	Mesitylene	120	C9H12	000108-67-8	91





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA F\DATA\BF081717\
Data File : BF097814.D
Acq On : 18 Aug 2017 5:03
Operator : SJ/JU
Sample : I4752-02
Misc :
ALS Vial : 28 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : RMAB-MW-13-GW

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF081517.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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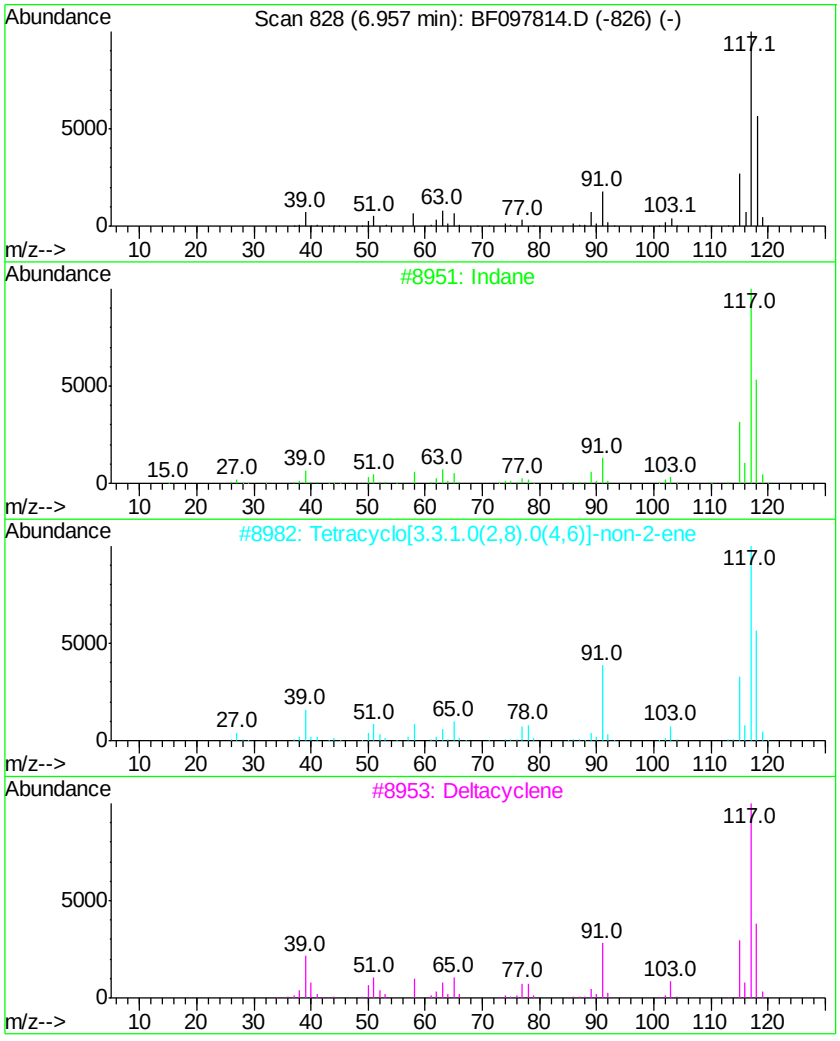
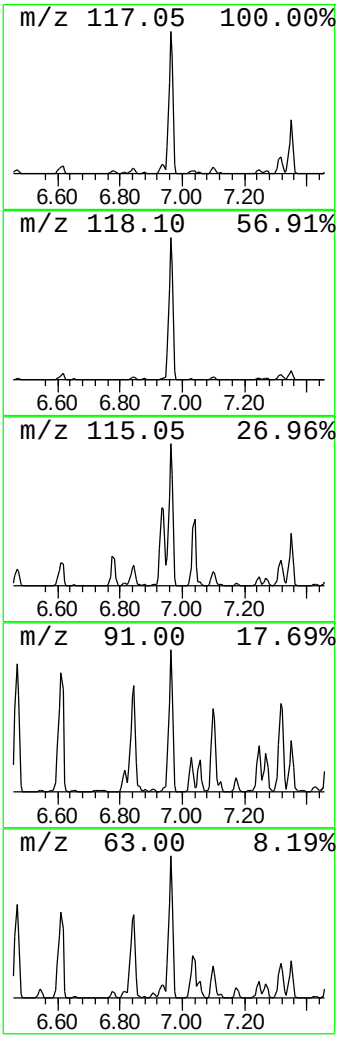
Peak Number 9 Indane Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.96	91.91 ng	4498130	1,4-Dichlorobenzene-d4	6.78

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Indane	118	C9H10	000496-11-7	93
2	Tetracyclo[3.3.1.0(2,8).0(4,6)]-...	118	C9H10	1000191-13-7	80
3	Deltacyclene	118	C9H10	007785-10-6	72
4	Benzaldehyde, 4-(1-phenyl-2-prop...	238	C16H14O2	1000277-56-1	50
5	Benzene, 2-propenyl-	118	C9H10	000300-57-2	47





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Acq On : 18 Aug 2017 5:03
Operator : SJ/JU
Sample : I4752-02
Misc :
ALS Vial : 28 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : RMAB-MW-13-GW

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF081517.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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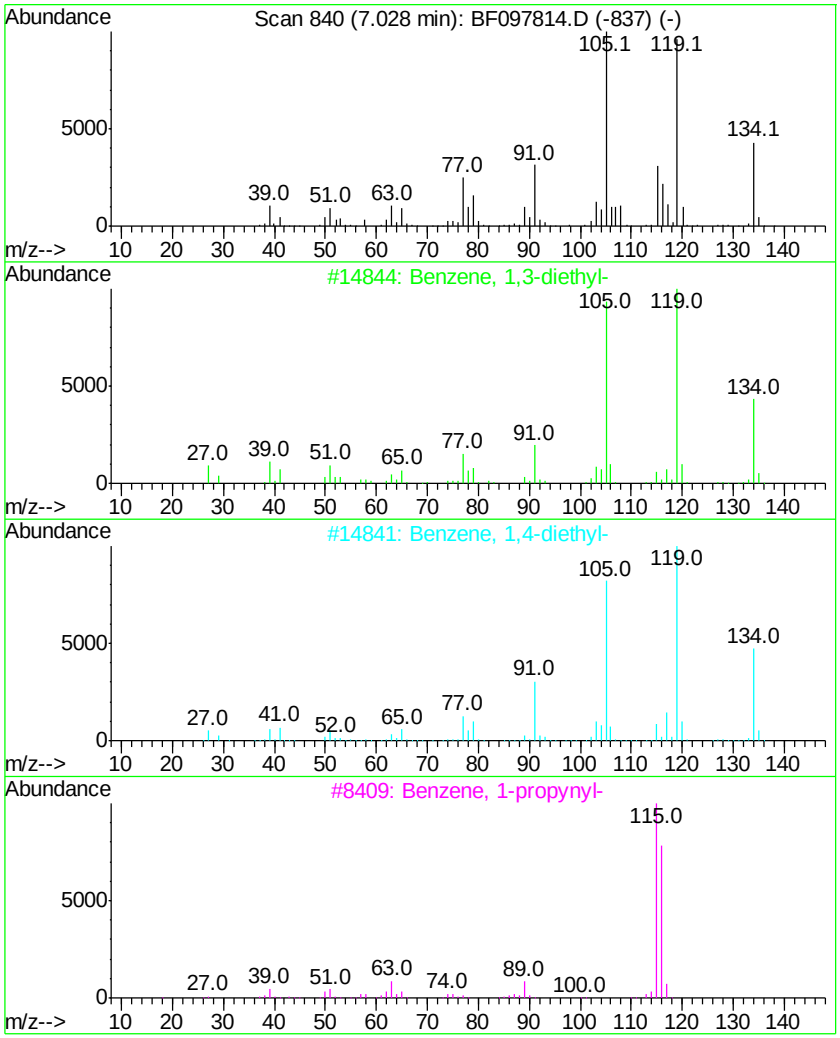
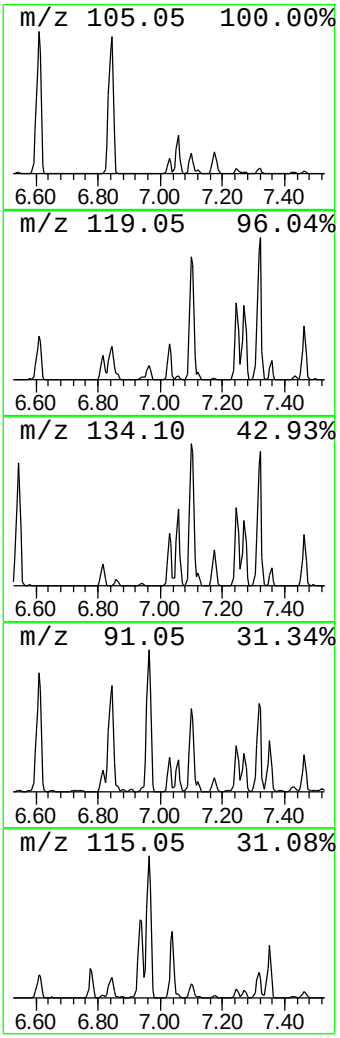
Peak Number 10 Benzene, 1,3-diethyl- Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.03	31.81 ng	1556950	1,4-Dichlorobenzene-d4	6.78

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1,3-diethyl-	134	C10H14	000141-93-5	70
2	Benzene, 1,4-diethyl-	134	C10H14	000105-05-5	70
3	Benzene, 1-propynyl-	116	C9H8	000673-32-5	70
4	Indene	116	C9H8	000095-13-6	70
5	1-Propyne, 3-phenyl-	116	C9H8	010147-11-2	64





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Acq On : 18 Aug 2017 5:03
Operator : SJ/JU
Sample : I4752-02
Misc :
ALS Vial : 28 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : RMAB-MW-13-GW

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF081517.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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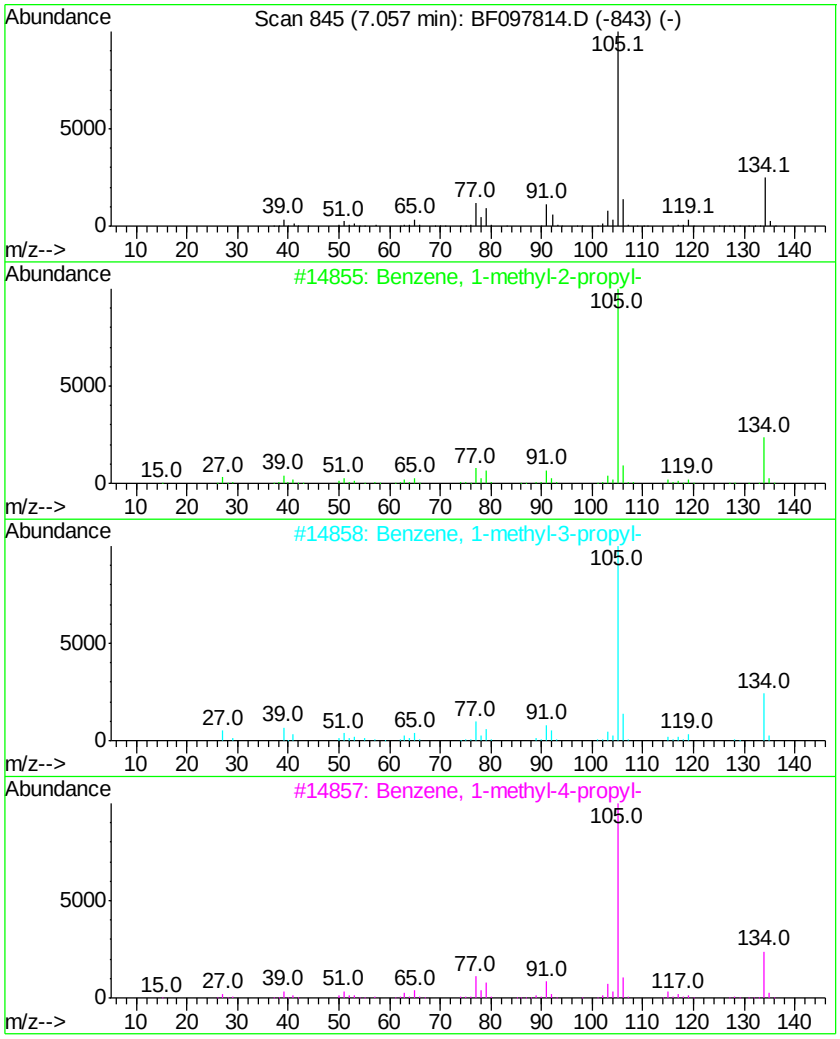
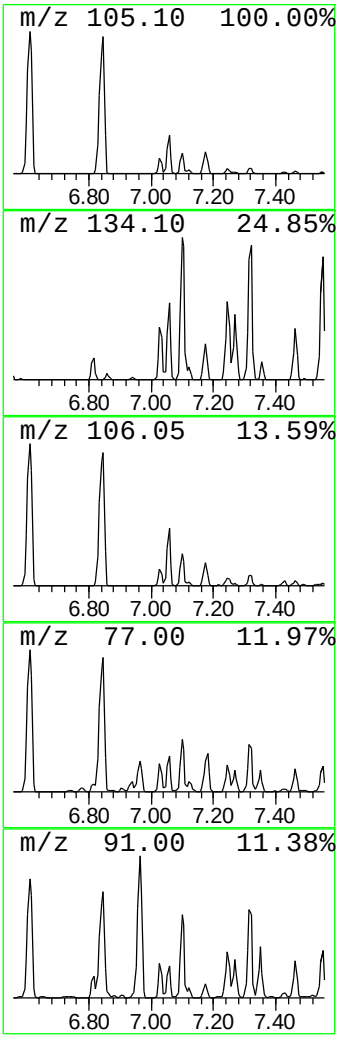
Peak Number 11 Benzene, 1-methyl-2-propyl- Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.06	19.92 ng	974977	1,4-Dichlorobenzene-d4	6.78

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-methyl-2-propyl-	134	C10H14	001074-17-5	91
2	Benzene, 1-methyl-3-propyl-	134	C10H14	001074-43-7	91
3	Benzene, 1-methyl-4-propyl-	134	C10H14	001074-55-1	91
4	Benzene, (1-methylpropyl)-	134	C10H14	000135-98-8	83
5	2-Tolyloxirane	134	C9H10O	002783-26-8	81





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Operator : SJ/JU
Sample : I4752-02
Misc :
ALS Vial : 28 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : RMAB-MW-13-GW

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF081517.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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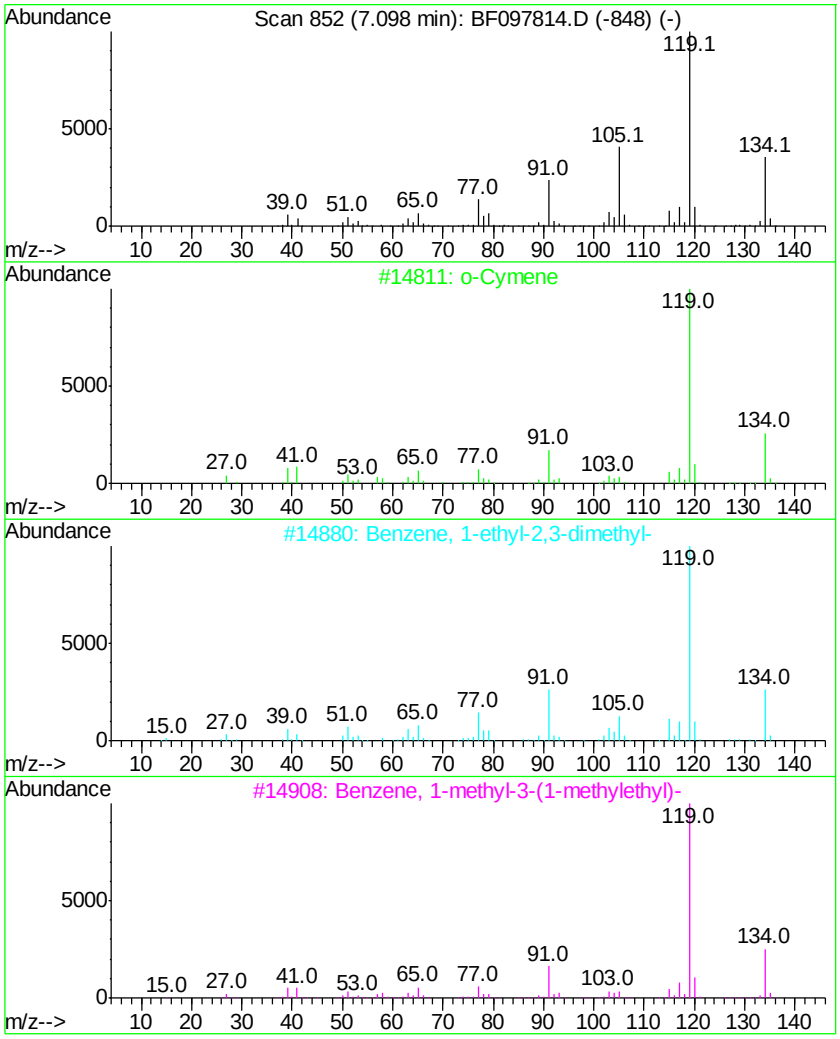
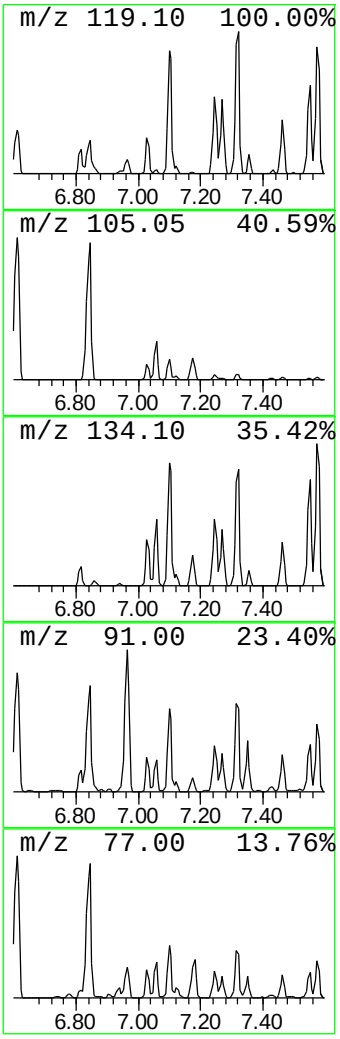
Peak Number 12 o-Cymene Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.10	46.14 ng	2258410	1,4-Dichlorobenzene-d4	6.78

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	o-Cymene	134	C10H14	000527-84-4	95
2	Benzene, 1-ethyl-2,3-dimethyl-	134	C10H14	000933-98-2	94
3	Benzene, 1-methyl-3-(1-methyleth...	134	C10H14	000535-77-3	94
4	Benzene, 1-ethyl-2,4-dimethyl-	134	C10H14	000874-41-9	93
5	Benzene, 2-ethyl-1,4-dimethyl-	134	C10H14	001758-88-9	93





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Sample : I4752-02
Misc :
ALS Vial : 28 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : RMAB-MW-13-GW

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF081517.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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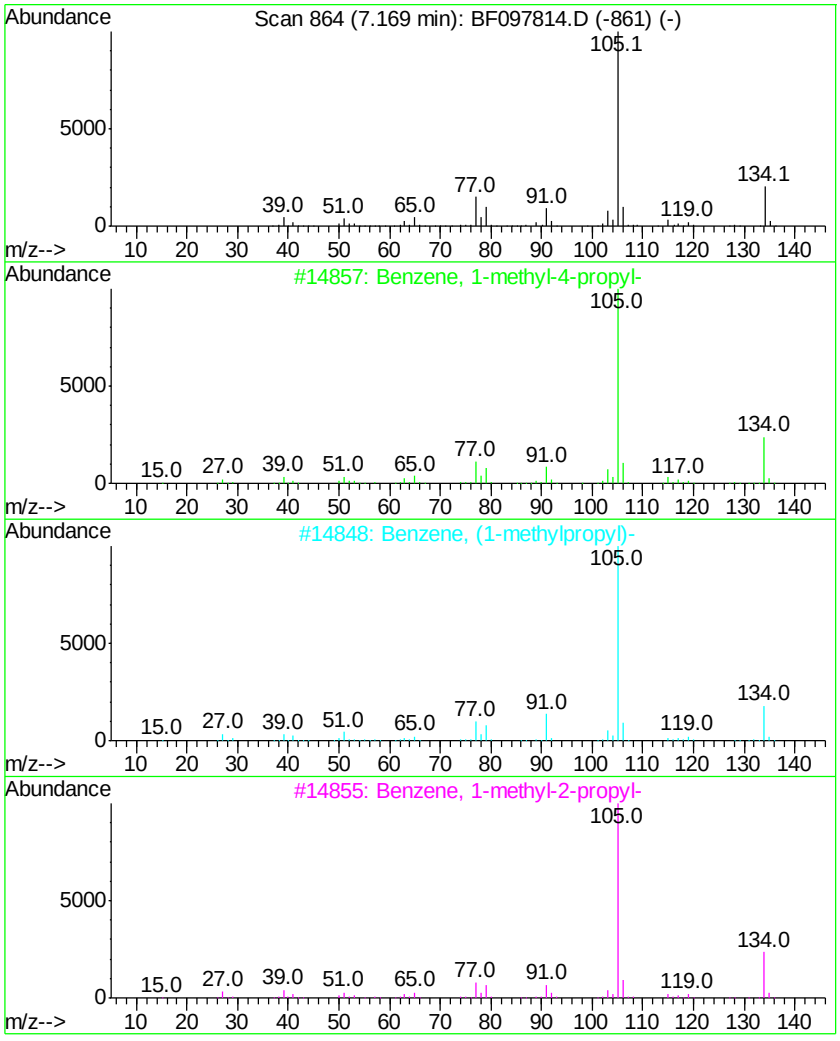
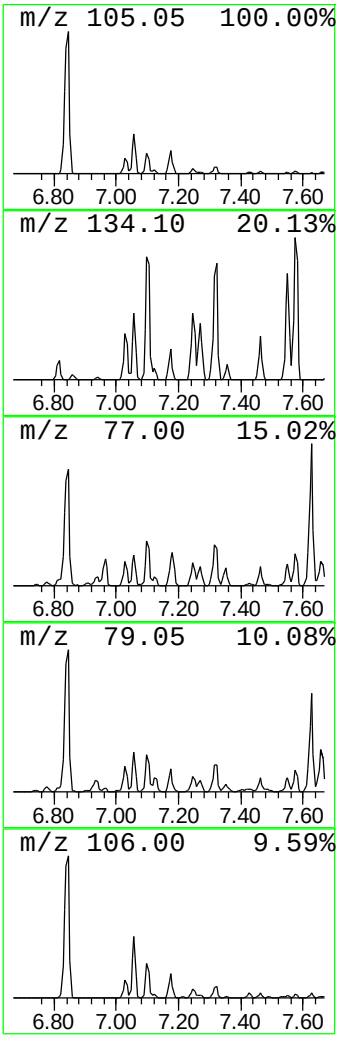
Peak Number 13 Benzene, 1-methyl-4-propyl- Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.17	15.05 ng	736671	1,4-Dichlorobenzene-d4	6.78

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-methyl-4-propyl-	134	C10H14	001074-55-1	94
2	Benzene, (1-methylpropyl)-	134	C10H14	000135-98-8	91
3	Benzene, 1-methyl-2-propyl-	134	C10H14	001074-17-5	90
4	Benzeneacetaldehyde, .alpha.-met...	134	C9H10O	000093-53-8	90
5	Benzene, 1-methyl-3-propyl-	134	C10H14	001074-43-7	72





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Acq On : 18 Aug 2017 5:03
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Sample : I4752-02
Misc :
ALS Vial : 28 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : RMAB-MW-13-GW

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF081517.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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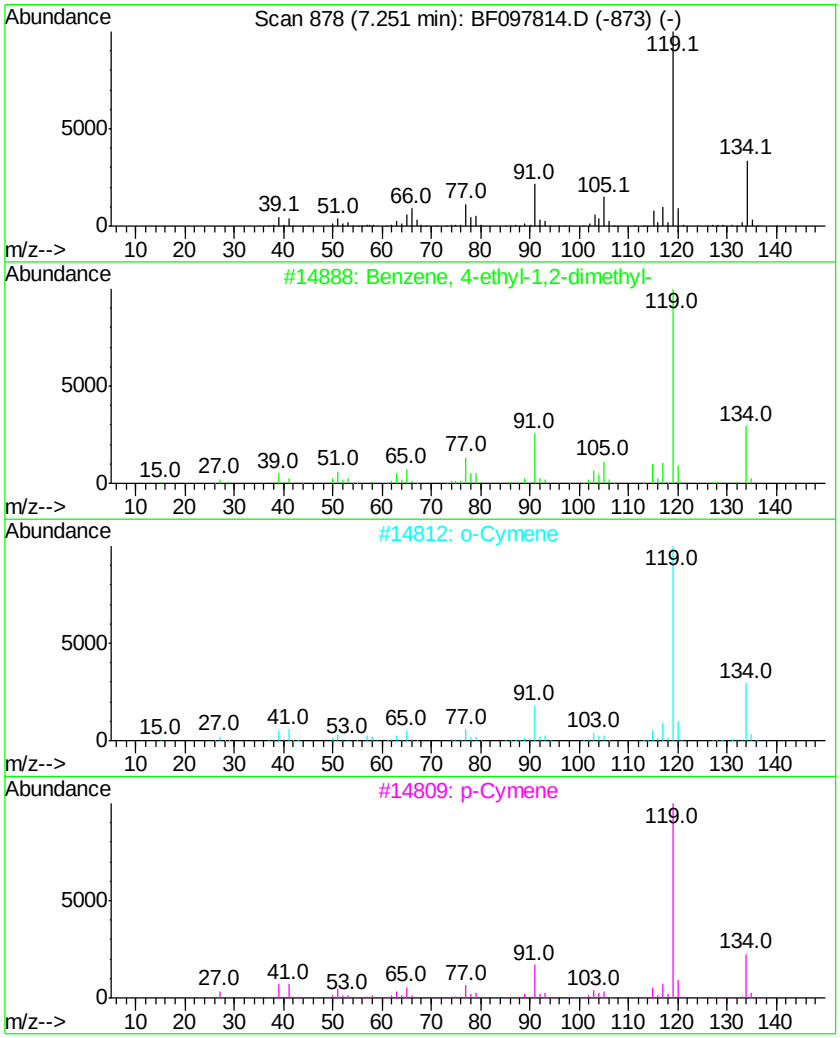
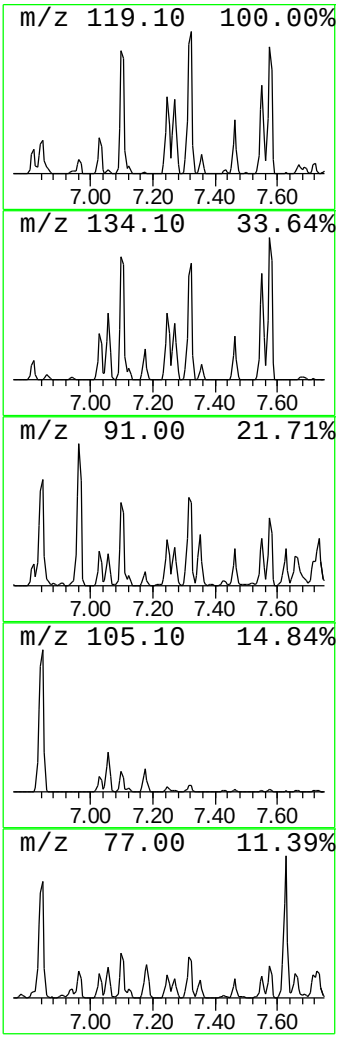
Peak Number 14 Benzene, 4-ethyl-1,2-dimethyl- Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.25	24.00 ng	1174590	1,4-Dichlorobenzene-d4	6.78

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 4-ethyl-1,2-dimethyl-	134	C10H14	000934-80-5	96
2	o-Cymene	134	C10H14	000527-84-4	95
3	p-Cymene	134	C10H14	000099-87-6	95
4	Benzene, 1-methyl-3-(1-methyleth...	134	C10H14	000535-77-3	95
5	Benzene, 1-ethyl-2,3-dimethyl-	134	C10H14	000933-98-2	95





Library Search Compound Report

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Acq On : 18 Aug 2017 5:03
Operator : SJ/JU
Sample : I4752-02
Misc :
ALS Vial : 28 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : RMAB-MW-13-GW

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF081517.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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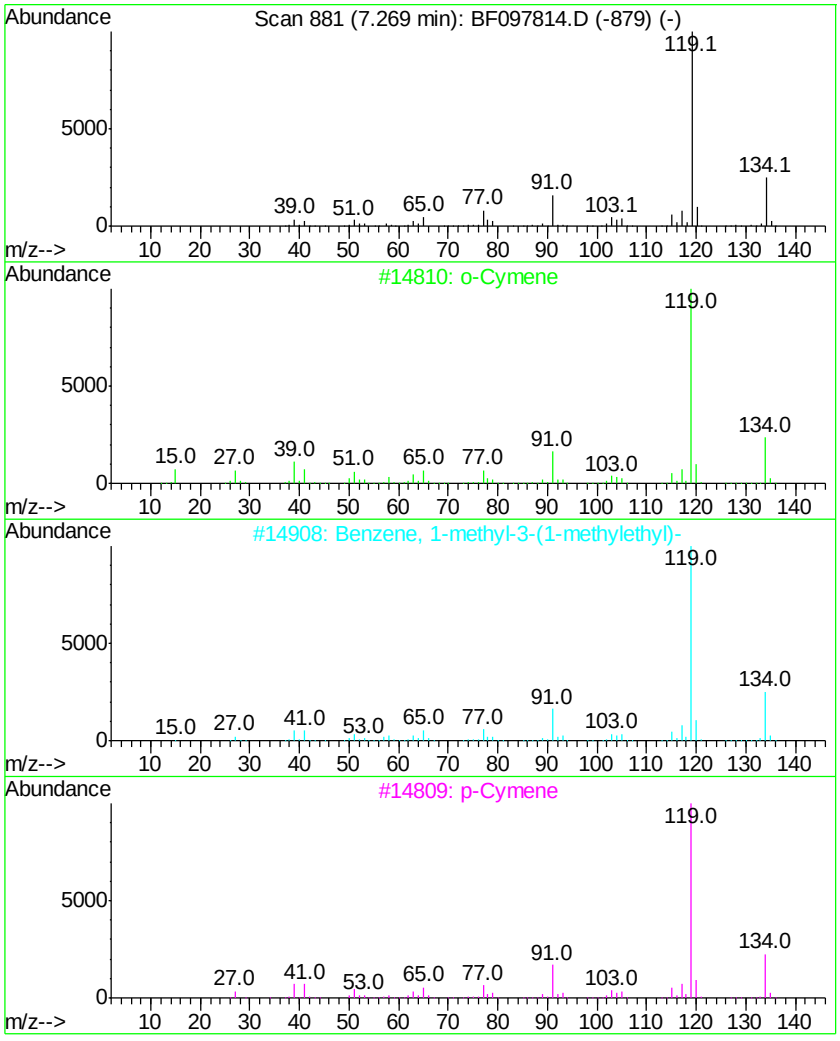
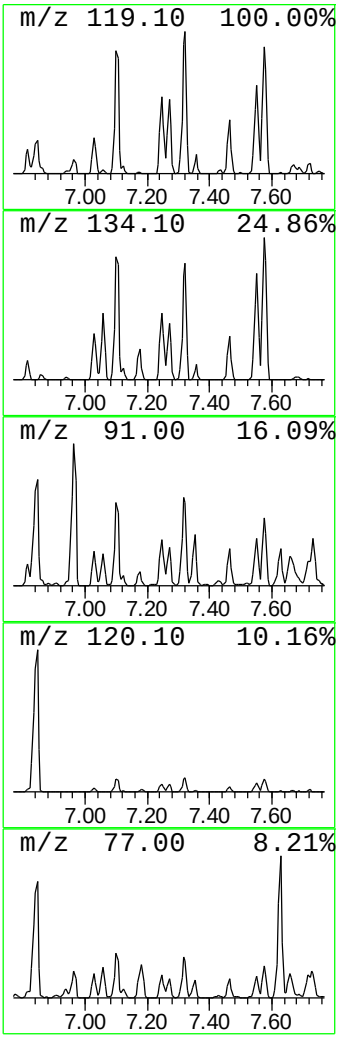
Peak Number 15 p-Cymene Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.27	18.39 ng	899970	1,4-Dichlorobenzene-d4	6.78

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	o-Cymene	134	C10H14	000527-84-4	95
2	Benzene, 1-methyl-3-(1-methyleth...	134	C10H14	000535-77-3	95
3	p-Cymene	134	C10H14	000099-87-6	95
4	Benzene, 1,2,4,5-tetramethyl-	134	C10H14	000095-93-2	91
5	Benzene, 1-ethyl-3,5-dimethyl-	134	C10H14	000934-74-7	91





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Sample : I4752-02
Misc :
ALS Vial : 28 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : RMAB-MW-13-GW

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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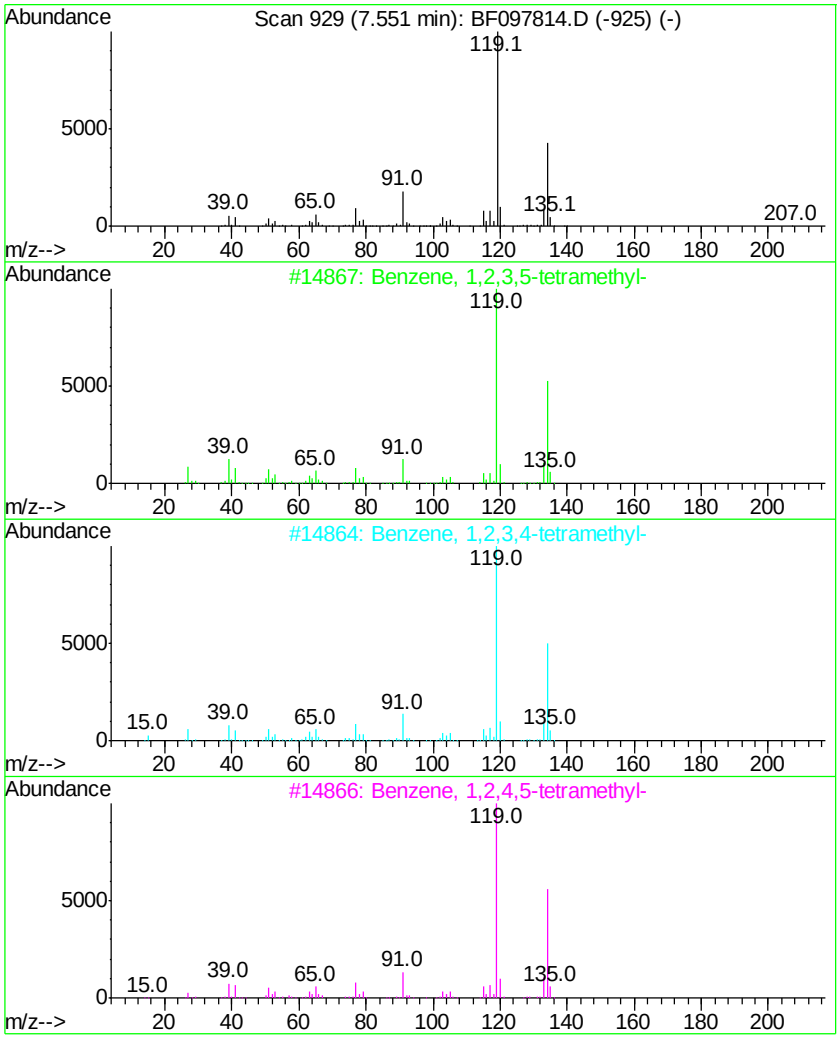
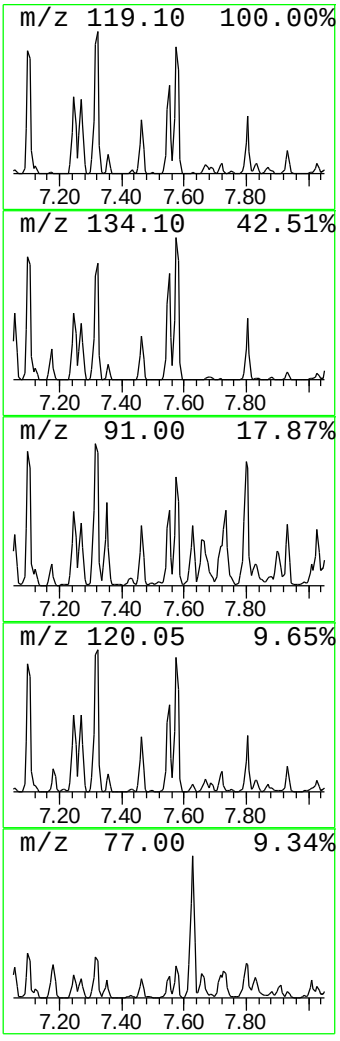
Peak Number 16 Benzene, 1,2,3,5-tetramethyl- Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.55	15.73 ng	1252000	Naphthalene-d8	8.06

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1,2,3,5-tetramethyl-	134	C10H14	000527-53-7	95
2	Benzene, 1,2,3,4-tetramethyl-	134	C10H14	000488-23-3	95
3	Benzene, 1,2,4,5-tetramethyl-	134	C10H14	000095-93-2	95
4	o-Cymene	134	C10H14	000527-84-4	95
5	Benzene, 4-ethyl-1,2-dimethyl-	134	C10H14	000934-80-5	94





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Sample : I4752-02
Misc :
ALS Vial : 28 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : RMAB-MW-13-GW

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF081517.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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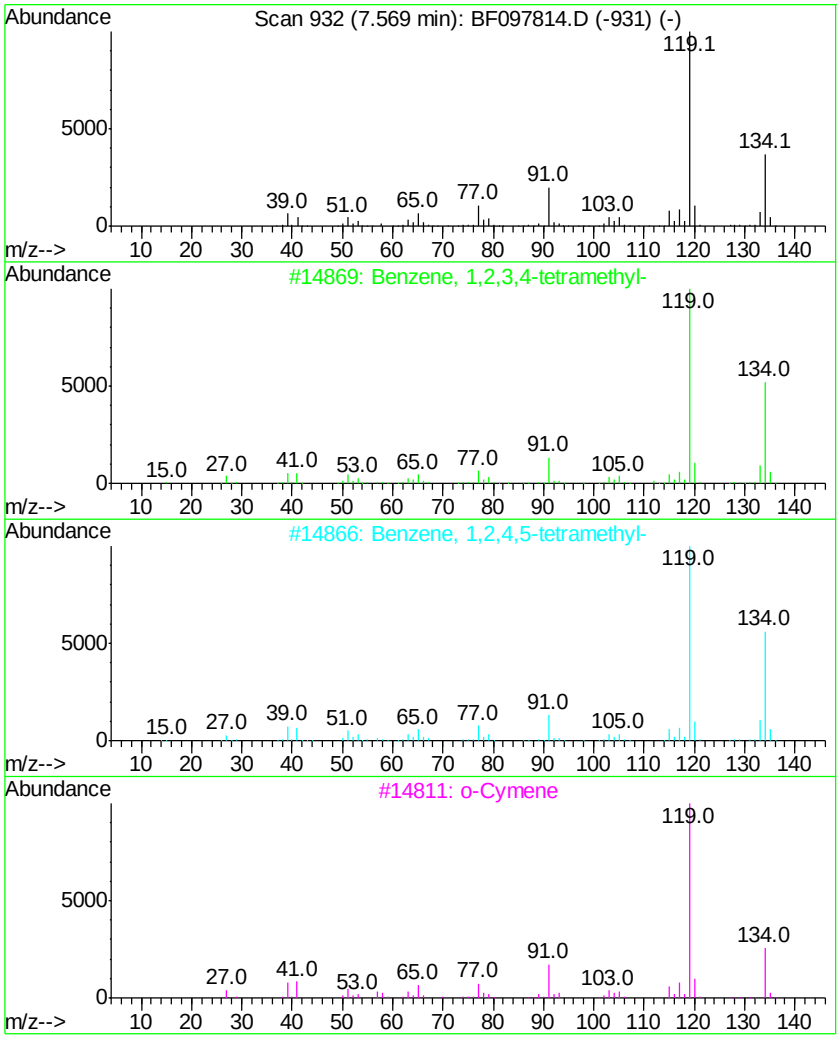
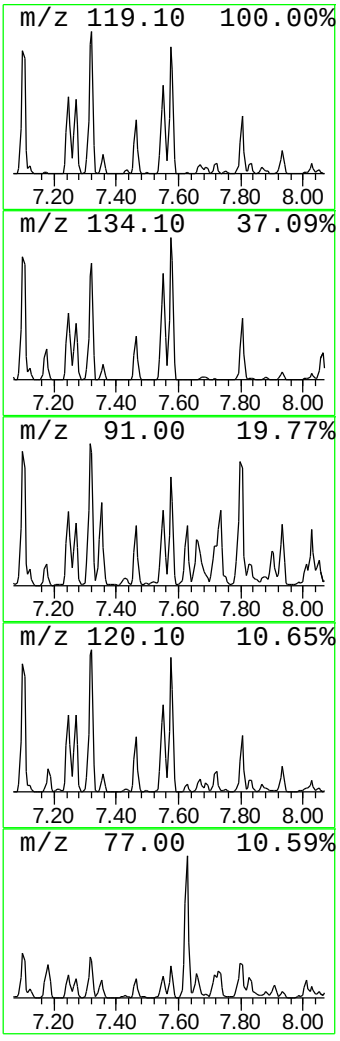
Peak Number 17 Benzene, 1,2,3,4-tetramethyl- Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.57	21.20 ng	1688070	Naphthalene-d8	8.06

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1,2,3,4-tetramethyl-	134	C10H14	000488-23-3	96
2	Benzene, 1,2,4,5-tetramethyl-	134	C10H14	000095-93-2	95
3	o-Cymene	134	C10H14	000527-84-4	95
4	Benzene, 1,2,3,5-tetramethyl-	134	C10H14	000527-53-7	95
5	Benzene, 1-ethyl-3,5-dimethyl-	134	C10H14	000934-74-7	94





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Misc :
ALS Vial : 28 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : RMAB-MW-13-GW

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF081517.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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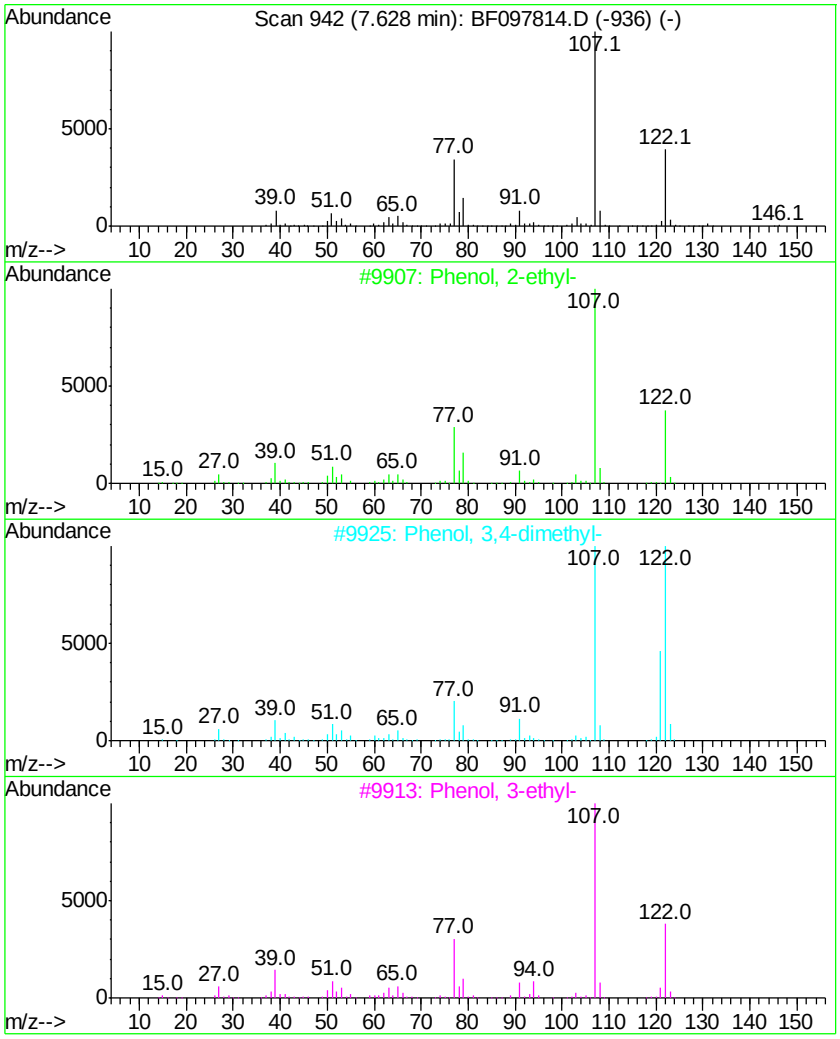
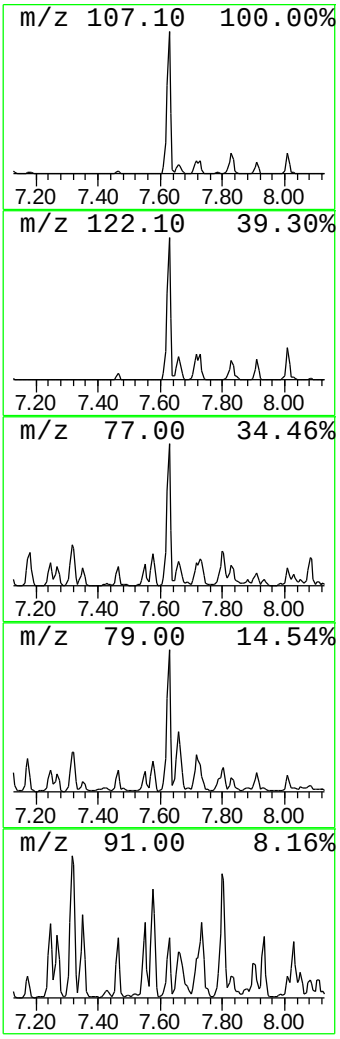
Peak Number 18 Phenol, 2-ethyl- Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.63	28.73 ng	2287410	Naphthalene-d8	8.06

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenol, 2-ethyl-	122	C8H10O	000090-00-6	94
2	Phenol, 3,4-dimethyl-	122	C8H10O	000095-65-8	91
3	Phenol, 3-ethyl-	122	C8H10O	000620-17-7	90
4	Phenol, 4-ethyl-	122	C8H10O	000123-07-9	87
5	Benzenemethanol, .alpha.-methyl-	122	C8H10O	000098-85-1	86





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Misc :
ALS Vial : 28 Sample Multiplier: 1

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Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF081517.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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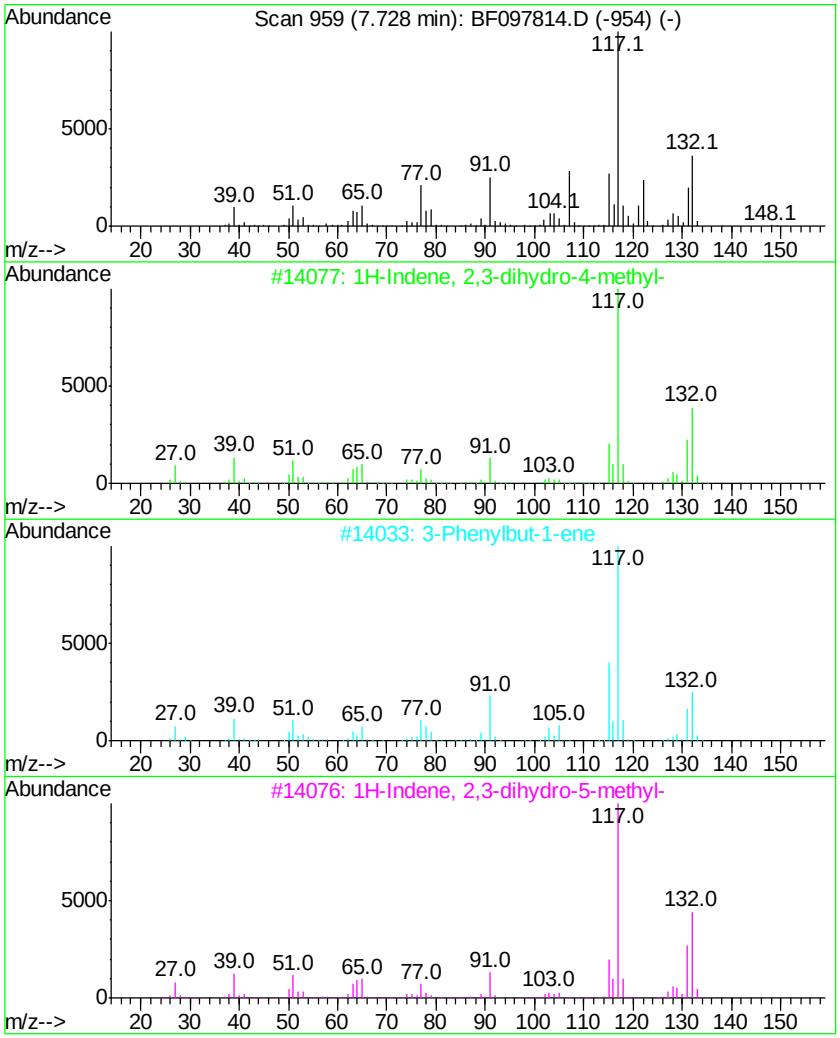
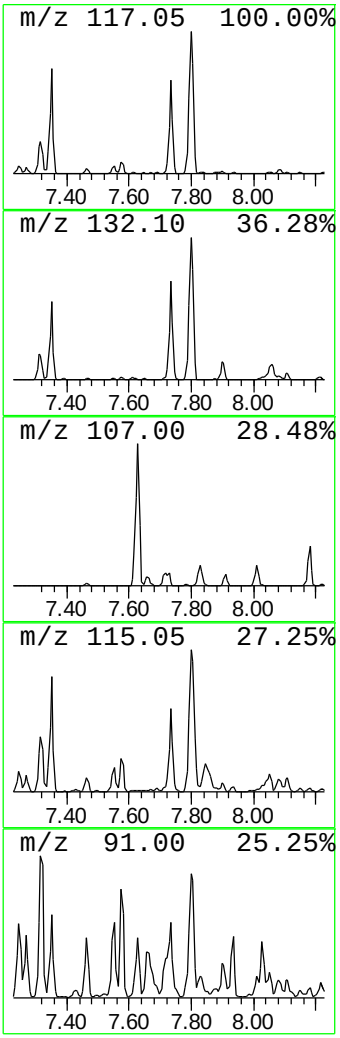
Peak Number 19 1H-Indene, 2,3-dihydro-4-me... Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.73	29.43 ng	2343200	Naphthalene-d8	8.06

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1H-Indene, 2,3-dihydro-4-methyl-	132	C10H12	000824-22-6	90
2	3-Phenylbut-1-ene	132	C10H12	000934-10-1	87
3	1H-Indene, 2,3-dihydro-5-methyl-	132	C10H12	000874-35-1	87
4	Benzene, 2-ethenyl-1,4-dimethyl-	132	C10H12	002039-89-6	86
5	Benzene, (1-methyl-1-propenyl)-,...	132	C10H12	000768-00-3	83





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Misc :
ALS Vial : 28 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : RMAB-MW-13-GW

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF081517.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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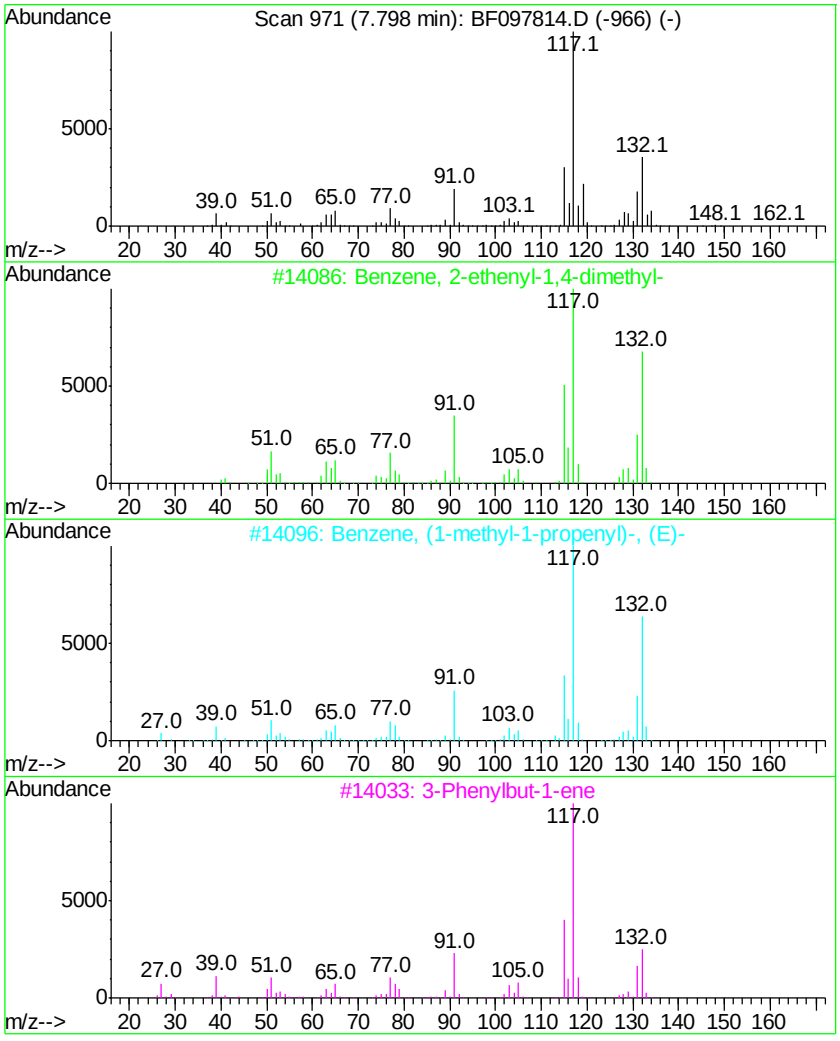
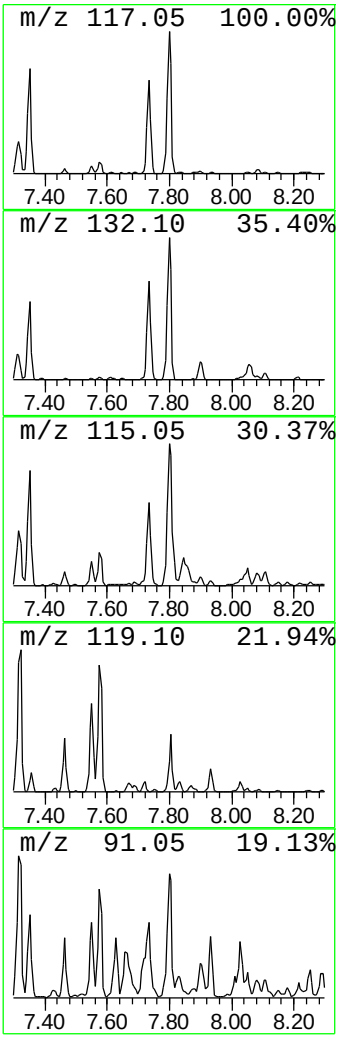
Peak Number 20 Benzene, 2-ethenyl-1,4-dime... Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.80	42.24 ng	3362460	Naphthalene-d8	8.06

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 2-ethenyl-1,4-dimethyl-	132	C10H12	002039-89-6	96
2	Benzene, (1-methyl-1-propenyl)-,...	132	C10H12	000768-00-3	91
3	3-Phenylbut-1-ene	132	C10H12	000934-10-1	87
4	Benzene, 2-ethenyl-1,3-dimethyl-	132	C10H12	002039-90-9	87
5	Benzene, 2-butenyl-	132	C10H12	001560-06-1	87





Tentatively Identified Compound (LSC) summary

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF081717\
Data File : BF097814.D
Acq On : 18 Aug 2017 5:03
Operator : SJ/JU
Sample : I4752-02
Misc :
ALS Vial : 28 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : RMAB-MW-13-GW

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF081517.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

					Internal Standard			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc
Benzene, 1,3-dime...	5.64	212.0	ng	10377800	1	6.78	978847	20.0
Benzene, 1-ethyl-...	6.31	125.1	ng	6122510	1	6.78	978847	20.0
Benzene, 1-ethyl-...	6.34	73.0	ng	3570110	1	6.78	978847	20.0
unknown6.55	6.55	45.4	ng	2222150	1	6.78	978847	20.0
Benzene, 1,2,3-tr...	6.61	126.6	ng	6193670	1	6.78	978847	20.0
Benzene, 1-ethyl-...	6.85	113.8	ng	5568900	1	6.78	978847	20.0
Indane	6.96	91.9	ng	4498130	1	6.78	978847	20.0
Benzene, 1,3-diet...	7.03	31.8	ng	1556950	1	6.78	978847	20.0
Benzene, 1-methyl...	7.06	19.9	ng	974977	1	6.78	978847	20.0
o-Cymene	7.10	46.1	ng	2258410	1	6.78	978847	20.0
Benzene, 1-methyl...	7.17	15.1	ng	736671	1	6.78	978847	20.0
Benzene, 4-ethyl-...	7.25	24.0	ng	1174590	1	6.78	978847	20.0
p-Cymene	7.27	18.4	ng	899970	1	6.78	978847	20.0
Benzene, 1,2,3,5-...	7.55	15.7	ng	1252000	2	8.06	1592190	20.0
Benzene, 1,2,3,4-...	7.57	21.2	ng	1688070	2	8.06	1592190	20.0
Phenol, 2-ethyl-	7.63	28.7	ng	2287410	2	8.06	1592190	20.0
1H-Indene, 2,3-di...	7.73	29.4	ng	2343200	2	8.06	1592190	20.0
Benzene, 2-etheny...	7.80	42.2	ng	3362460	2	8.06	1592190	20.0