LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA F\DATA\BF081717\
Data File : BF097816.D
Acq On : 18 Aug 2017 6:00
Operator : SJ/JU
Sample : I4752-04
Misc :
ALS Vial : 30 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : RMAB-MW-10-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	3.063	160	166	171	rBV	78684	135738	4.35%	0.299%
2	3.110	171	174	181	rVB	33548	51946	1.66%	0.114%
3	3.599	252	257	265	rBV	38105	60029	1.92%	0.132%
4	4.298	366	376	381	rBV5	113115	224845	7.20%	0.495%
5	4.375	381	389	394	rVB	136721	168670	5.40%	0.371%
6	4.893	472	477	481	rBV	51503	60333	1.93%	0.133%
7	4.981	487	492	496	rBV	717004	762771	24.43%	1.680%
8	5.057	499	505	509	rVB4	63789	132762	4.25%	0.292%
9	5.251	535	538	543	rBV2	149541	170630	5.47%	0.376%
10	5.387	557	561	564	rBV	1778830	1557649	49.89%	3.431%
11	5.622	595	601	604	rBV2	72709	86282	2.76%	0.190%
12	5.998	659	665	669	rBV2	35598	49034	1.57%	0.108%
13	6.093	677	681	686	rBV2	41209	61699	1.98%	0.136%
14	6.334	719	722	724	rBV	131558	103434	3.31%	0.228%
15	6.404	729	734	740	rVB	1688060	1557570	49.89%	3.430%
16	6.463	740	744	747	rBV	1510029	1208461	38.71%	2.662%
17	6.545	753	758	761	rBV	2932773	2765834	88.59%	6.092%
18	6.775	793	797	800	rBV	1200188	965962	30.94%	2.127%
19	6.810	800	803	805	rVV2	104999	111180	3.56%	0.245%
20	6.834	805	807	810	rVB	499575	373026	11.95%	0.822%
21	6.904	816	819	820	rBV	44345	46224	1.48%	0.102%
22	6.934	820	824	826	rVV	2820907	2588218	82.90%	5.700%
23	6.957	826	828	831	rVV	1129441	849560	27.21%	1.871%
24	6.987	831	833	837	rVV3	31985	49207	1.58%	0.108%
25	7.028	837	840	843	rVV2	594057	518005	16.59%	1.141%
26	7.098	847	852	854	rVV2	239256	255950	8.20%	0.564%
27	7.116	854	855	861	rVB	224421	178025	5.70%	0.392%
28	7.175	861	865	869	rBV	330557	323675	10.37%	0.713%
29	7.251	876	878	880	rBV	79227	64747	2.07%	0.143%
30	7.287	880	884	885	rVV2	83823	92938	2.98%	0.205%
31	7.316	885	889	891	rVV	1543684	1670971	53.52%	3.680%
32	7.345	891	894	898	rVB2	2527109	2776983	88.95%	6.116%
33	7.428	903	908	911	rVB2	162139	197165	6.32%	0.434%
34	7.463	911	914	917	rBV2	319549	277611	8.89%	0.611%

LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA F\DATA\BF081717\
Data File : BF097816.D
Acq On : 18 Aug 2017 6:00
Operator : SJ/JU
Sample : I4752-04
Misc :
ALS Vial : 30 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : RMAB-MW-10-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

35	7.551	922	929	932	rVB	1210272	1106773	35.45%	2.438%
36	7.610	932	939	945	rBV3	360031	518827	16.62%	1.143%
37	7.669	945	949	950	rVV	113764	107135	3.43%	0.236%
38	7.686	950	952	954	rVV	101132	79403	2.54%	0.175%
39	7.710	954	956	958	rVV2	170444	182790	5.85%	0.403%
40	7.734	958	960	961	rVV	175762	146634	4.70%	0.323%
41	7.751	961	963	966	rVB2	128412	120333	3.85%	0.265%
42	7.798	966	971	974	rBV2	1537897	1520949	48.72%	3.350%
43	7.834	974	977	980	rVV3	250525	272681	8.73%	0.601%
44	7.881	980	985	987	rVV4	175567	250273	8.02%	0.551%
45	7.898	987	988	991	rVV	208010	146859	4.70%	0.323%
46	7.934	991	994	997	rVB	191691	163727	5.24%	0.361%
47	8.010	1002	1007	1009	rBV3	145153	202003	6.47%	0.445%
48	8.057	1011	1015	1017	rVV2	1360063	1542386	49.40%	3.397%
49	8.081	1017	1019	1022	rVV2	1173245	993718	31.83%	2.189%
50	8.110	1022	1024	1026	rVV	339376	287048	9.19%	0.632%
51	8.128	1026	1027	1029	rVV	171412	138101	4.42%	0.304%
52	8.151	1029	1031	1033	rVB	148830	106299	3.40%	0.234%
53	8.181	1033	1036	1039	rBV3	46581	59217	1.90%	0.130%
54	8.216	1039	1042	1043	rVV	88529	70277	2.25%	0.155%
55	8.239	1043	1046	1048	rVV2	233950	221419	7.09%	0.488%
56	8.263	1048	1050	1052	rVV2	250332	226275	7.25%	0.498%
57	8.281	1052	1053	1054	rVV	165617	112729	3.61%	0.248%
58	8.298	1054	1056	1058	rVV2	265449	295669	9.47%	0.651%
59	8.328	1058	1061	1065	rVV3	265159	465859	14.92%	1.026%
60	8.363	1065	1067	1069	rVV	181139	154651	4.95%	0.341%
61	8.416	1073	1076	1083	rVV5	131185	253188	8.11%	0.558%
62	8.492	1087	1089	1091	rVV2	86273	75304	2.41%	0.166%
63	8.534	1091	1096	1099	rVV2	348271	434796	13.93%	0.958%
64	8.563	1099	1101	1108	rVV6	132002	211241	6.77%	0.465%
65	8.622	1108	1111	1113	rVV	123025	113526	3.64%	0.250%
66	8.651	1113	1116	1119	rVV2	223664	222089	7.11%	0.489%
67	8.692	1119	1123	1126	rVV5	100736	191628	6.14%	0.422%
68	8.722	1126	1128	1131	rVV2	203832	177354	5.68%	0.391%
69	8.763	1131	1135	1137	rVV4	179748	261746	8.38%	0.576%
70	8.786	1137	1139	1142	rVV3	295496	289611	9.28%	0.638%
71	8.816	1142	1144	1149	rVV5	76589	129927	4.16%	0.286%

LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA F\DATA\BF081717\
Data File : BF097816.D
Acq On : 18 Aug 2017 6:00
Operator : SJ/JU
Sample : I4752-04
Misc :
ALS Vial : 30 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : RMAB-MW-10-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	8.869	1149	1153	1156	rVV	787234	794523	25.45%	1.750%
73	8.904	1157	1159	1162	rVV	189947	216105	6.92%	0.476%
74	8.939	1163	1165	1168	rVV3	147280	159398	5.11%	0.351%
75	8.998	1172	1175	1178	rVV4	107339	123891	3.97%	0.273%
76	9.033	1178	1181	1184	rVV2	166433	180810	5.79%	0.398%
77	9.092	1188	1191	1194	rVB2	122260	118897	3.81%	0.262%
78	9.139	1194	1199	1202	rBV	3406075	3122002	100.00%	6.876%
79	9.216	1209	1212	1220	rBV6	104453	201287	6.45%	0.443%
80	9.298	1223	1226	1228	rBV	135699	99624	3.19%	0.219%
81	9.322	1228	1230	1237	rVB4	204658	231987	7.43%	0.511%
82	9.375	1237	1239	1241	rBV2	48668	44332	1.42%	0.098%
83	9.416	1241	1246	1247	rBV2	106185	129839	4.16%	0.286%
84	9.475	1252	1256	1258	rVV4	131534	156307	5.01%	0.344%
85	9.498	1258	1260	1263	rVV3	61330	47052	1.51%	0.104%
86	9.557	1267	1270	1274	rBV4	63052	90863	2.91%	0.200%
87	9.628	1280	1282	1284	rVB	64188	51503	1.65%	0.113%
88	9.669	1284	1289	1292	rBV4	53837	94278	3.02%	0.208%
89	9.716	1295	1297	1302	rVB3	52861	49775	1.59%	0.110%
90	9.810	1309	1313	1317	rBV	1016687	977781	31.32%	2.154%
91	9.975	1339	1341	1344	rVB	67113	56020	1.79%	0.123%
92	10.128	1364	1367	1370	rBV4	50044	59543	1.91%	0.131%
93	10.598	1442	1447	1450	rBV	1447607	1275917	40.87%	2.810%
94	11.292	1562	1565	1569	rVB	839264	785884	25.17%	1.731%
95	12.710	1803	1806	1809	rBV	57911	50669	1.62%	0.112%
96	12.886	1831	1836	1839	rBV	2355618	2379554	76.22%	5.241%
97	13.780	1985	1988	1994	rBV2	62271	64964	2.08%	0.143%
98	13.927	2009	2013	2017	rBV	967911	862450	27.62%	1.900%
99	15.357	2251	2256	2261	rBV	509546	584268	18.71%	1.287%
100	16.315	2415	2419	2427	rVB3	23365	44892	1.44%	0.099%

Sum of corrected areas: 45403994

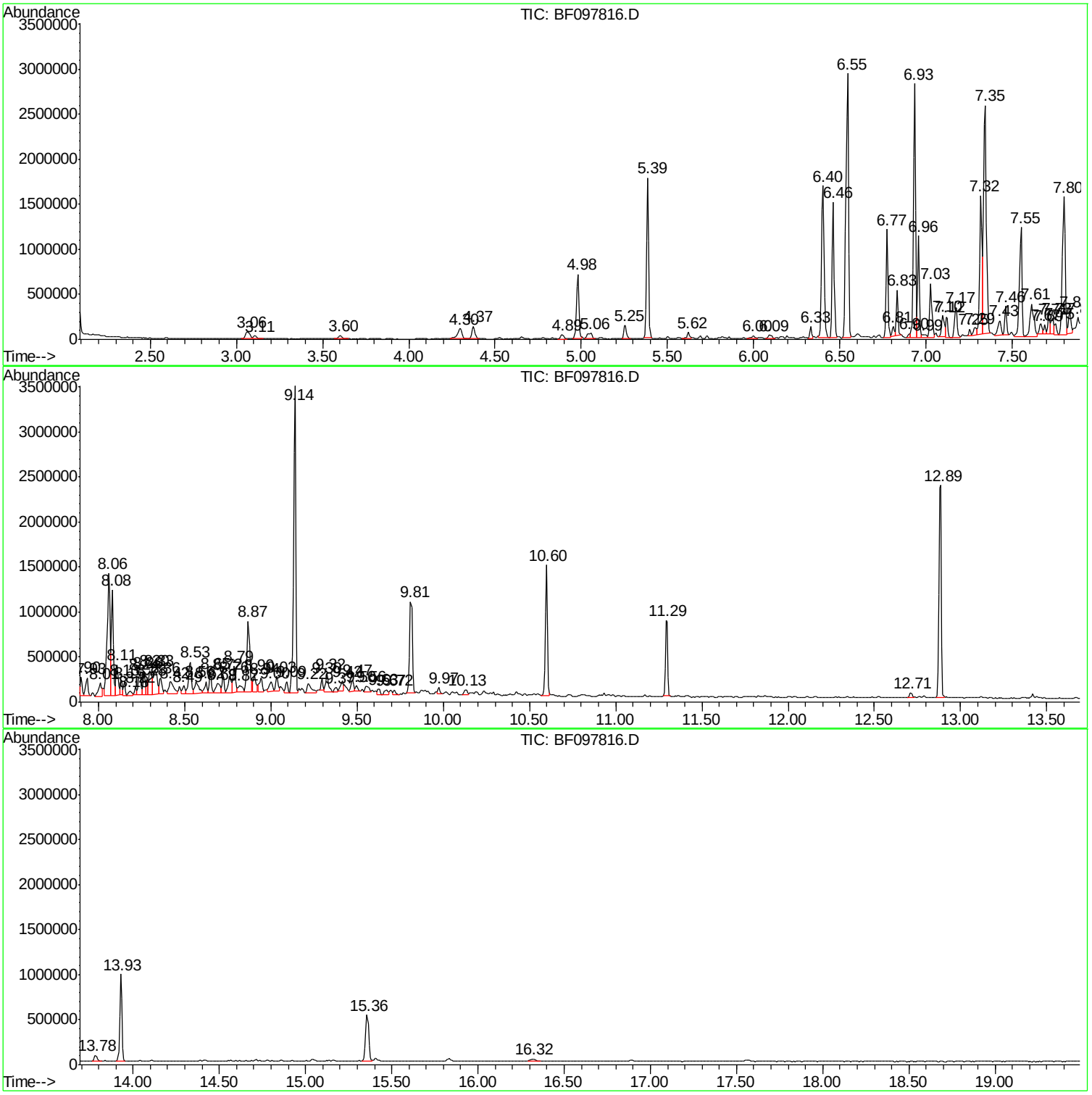
LSC Report - Integrated Chromatogram

Data Path : Z:\HPCHEM1\BNA F\DATA\BF081717\
Data File : BF097816.D
Acq On : 18 Aug 2017 6:00
Operator : SJ/JU
Sample : I4752-04
Misc :
ALS Vial : 30 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : RMAB-MW-10-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



Data Path : Z:\HPCHEM1\BNA F\DATA\BF081717\
Data File : BF097816.D
Acq On : 18 Aug 2017 6:00
Operator : SJ/JU
Sample : I4752-04
Misc :
ALS Vial : 30 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : RMAB-MW-10-GW

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

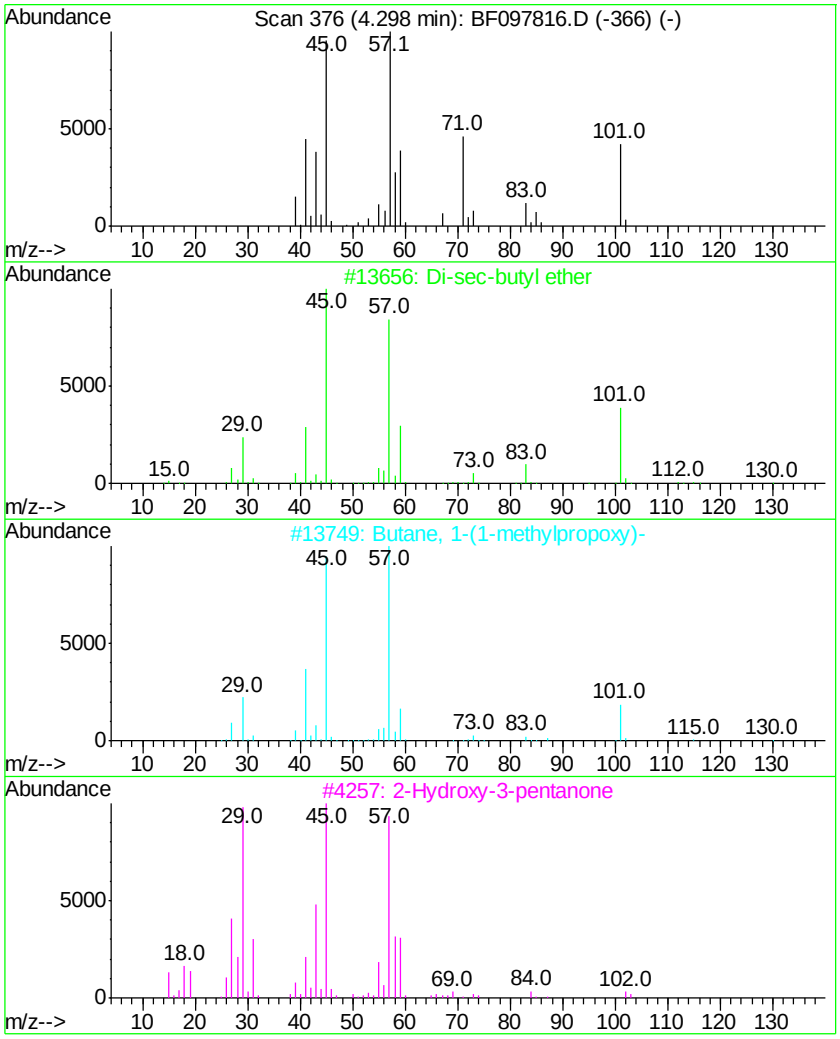
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

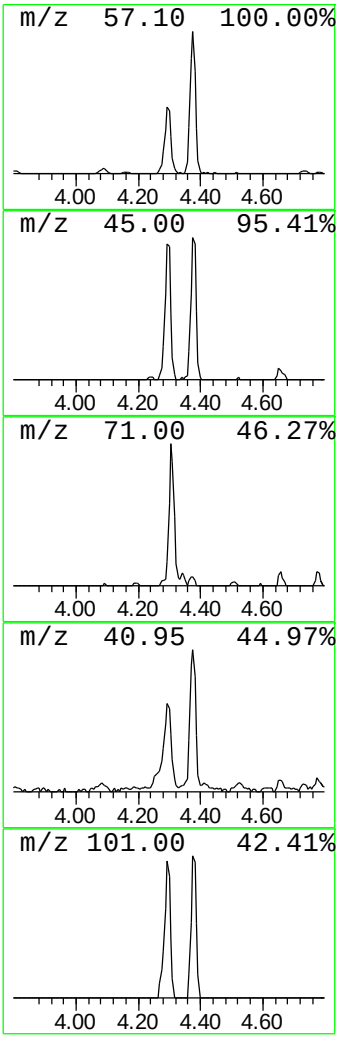
****

Peak Number 1 Di-sec-butyl ether Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.30	4.66 ng	224845	1,4-Dichlorobenzene-d4	6.77

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Di-sec-butyl ether	130	C8H18O	006863-58-7	59
2	Butane, 1-(1-methylpropoxy)-	130	C8H18O	000999-65-5	47
3	2-Hydroxy-3-pentanone	102	C5H10O2	005704-20-1	38
4	Boronic acid, ethyl-, diethyl ester	130	C6H15BO2	053907-92-9	37
5	2-Pentanol, 3-chloro-4-methyl-, ...	136	C6H13ClO	074685-47-5	35





Data Path : Z:\HPCHEM1\BNA F\DATA\BF081717\
Data File : BF097816.D
Acq On : 18 Aug 2017 6:00
Operator : SJ/JU
Sample : I4752-04
Misc :
ALS Vial : 30 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : RMAB-MW-10-GW

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

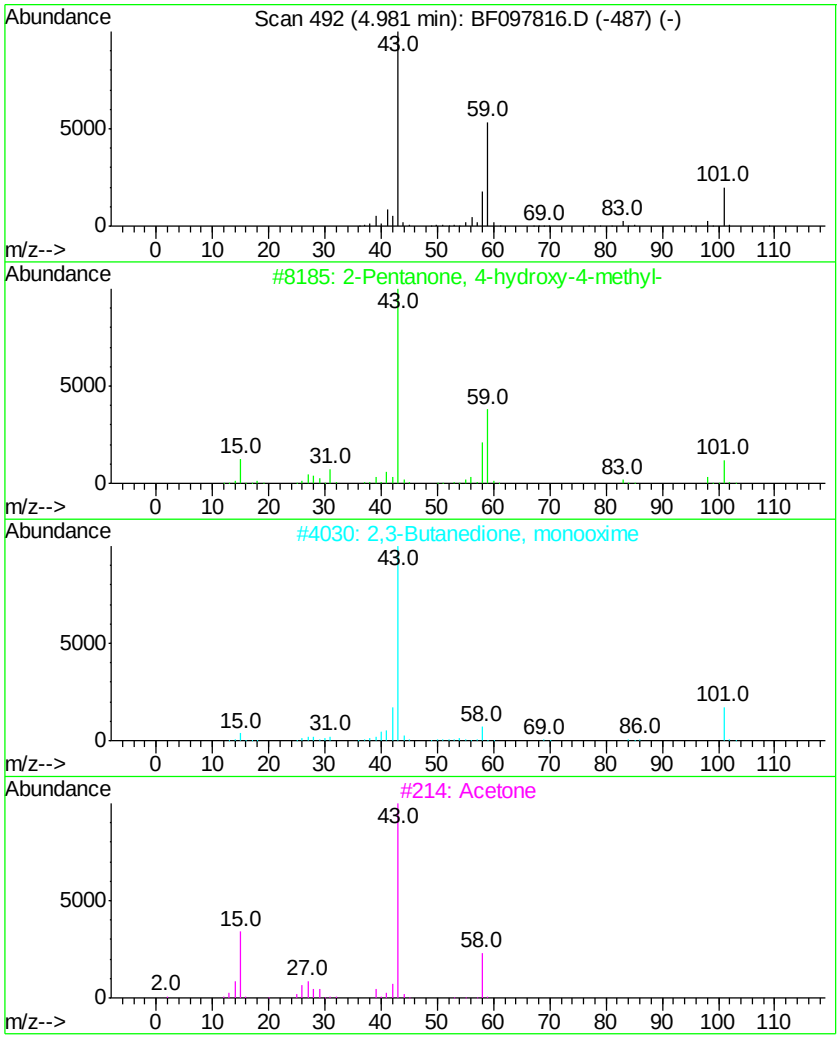
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

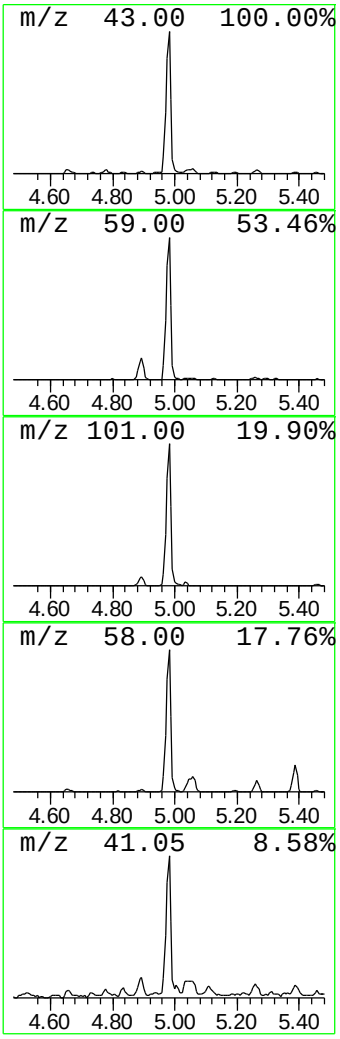
****

Peak Number 2 2-Pentanone, 4-hydroxy-4-me... Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.98	15.79 ng	762771	1,4-Dichlorobenzene-d4	6.77

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	50
2	2,3-Butanedione, monooxime	101	C4H7NO2	000057-71-6	25
3	Acetone	58	C3H6O	000067-64-1	10
4	5-Hexen-2-one	98	C6H10O	000109-49-9	9
5	3-Hydroxy-3-methyl-2-butanone	102	C5H10O2	000115-22-0	9





Data Path : Z:\HPCHEM1\BNA F\DATA\BF081717\
Data File : BF097816.D
Acq On : 18 Aug 2017 6:00
Operator : SJ/JU
Sample : I4752-04
Misc :
ALS Vial : 30 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : RMAB-MW-10-GW

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

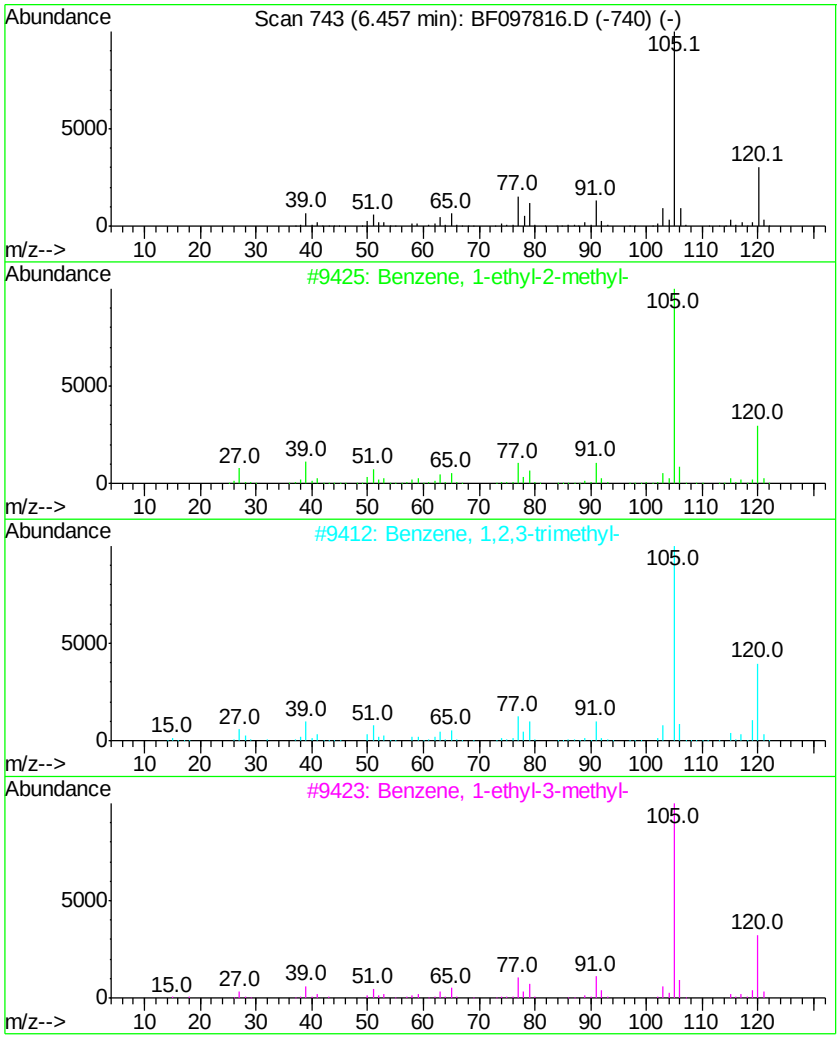
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

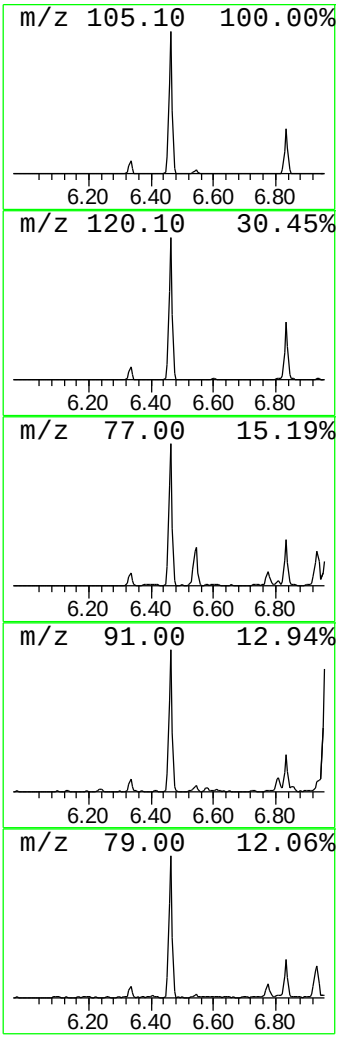
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.46	25.02 ng	1208460	1,4-Dichlorobenzene-d4	6.77

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-ethyl-2-methyl-	120	C9H12	000611-14-3	94
2	Benzene, 1,2,3-trimethyl-	120	C9H12	000526-73-8	91
3	Benzene, 1-ethyl-3-methyl-	120	C9H12	000620-14-4	91
4	Benzene, 1,2,4-trimethyl-	120	C9H12	000095-63-6	91
5	Mesitylene	120	C9H12	000108-67-8	91





Data Path : Z:\HPCHEM1\BNA F\DATA\BF081717\
Data File : BF097816.D
Acq On : 18 Aug 2017 6:00
Operator : SJ/JU
Sample : I4752-04
Misc :
ALS Vial : 30 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : RMAB-MW-10-GW

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

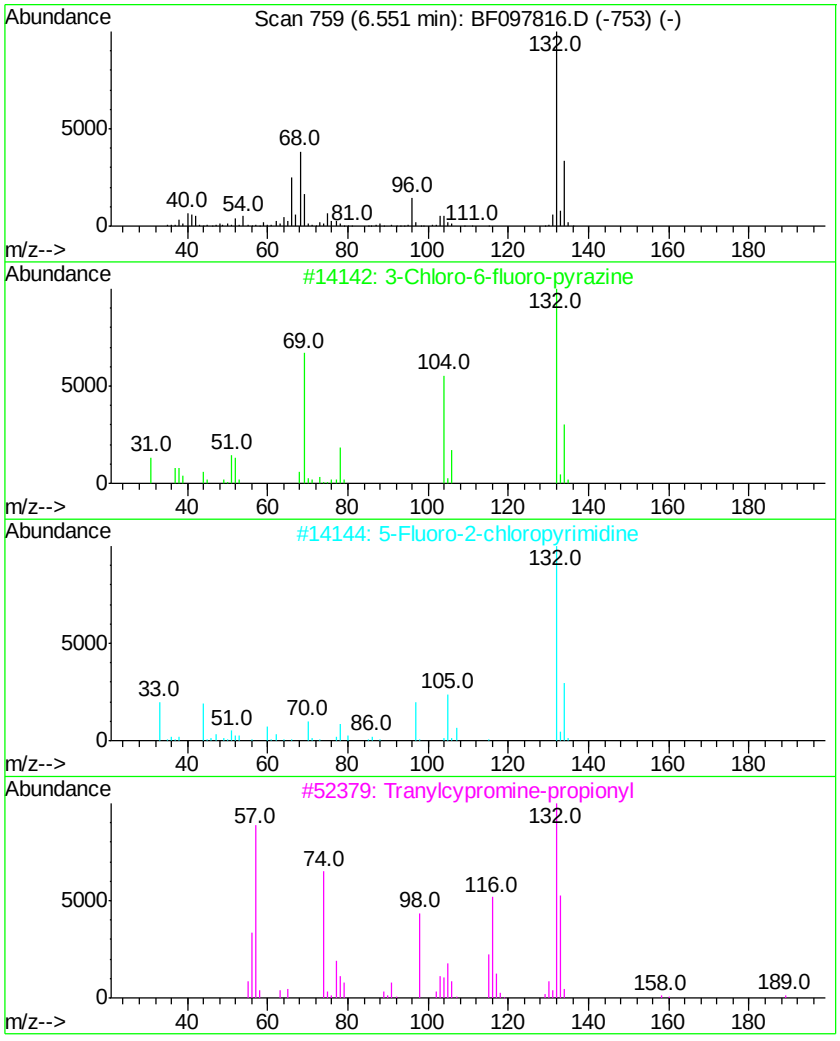
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

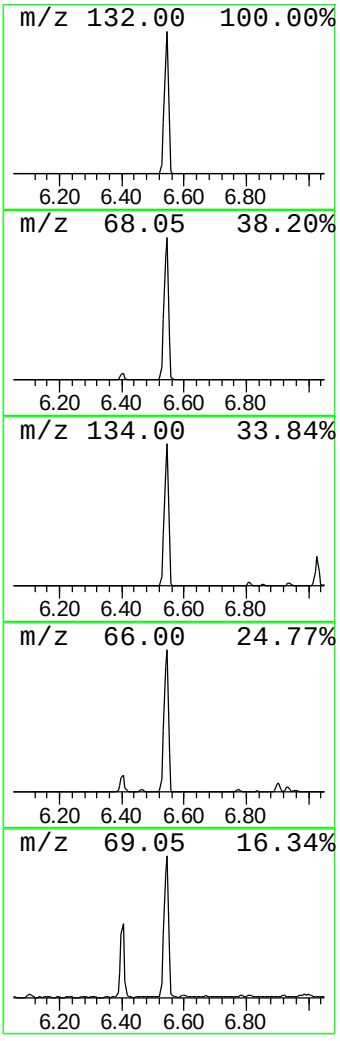
****

Peak Number 4 unknown6.55 Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.55	57.27 ng	2765830	1,4-Dichlorobenzene-d4	6.77

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-Chloro-6-fluoro-pyrazine	132	C4H2ClFN2	1000146-10-7	35
2	5-Fluoro-2-chloropyrimidine	132	C4H2ClFN2	062802-42-0	16
3	Tranylcypromine-propionyl	189	C12H15NO	1000123-86-3	10
4	1,3,5-Trifluorobenzene	132	C6H3F3	000372-38-3	9
5	Bicyclo[4.2.0]octa-1,3,5-triene,...	132	C10H12	028749-81-7	9





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA F\DATA\BF081717\
Data File : BF097816.D
Acq On : 18 Aug 2017 6:00
Operator : SJ/JU
Sample : I4752-04
Misc :
ALS Vial : 30 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : RMAB-MW-10-GW

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

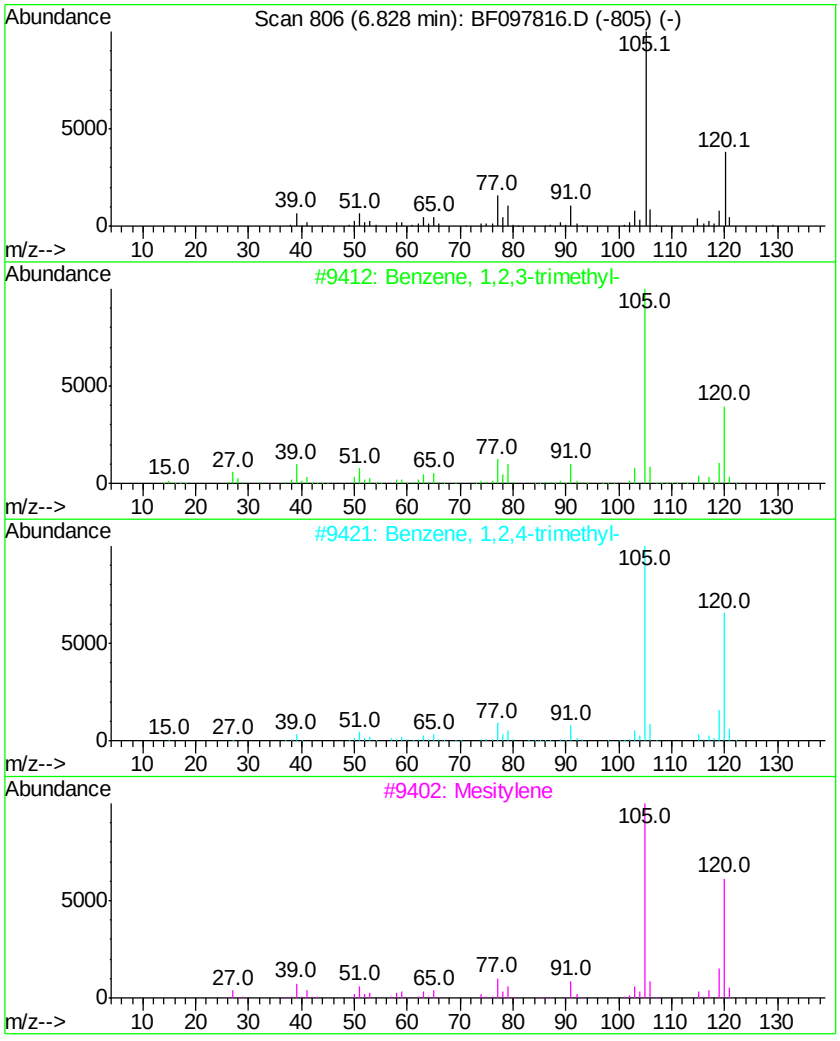
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

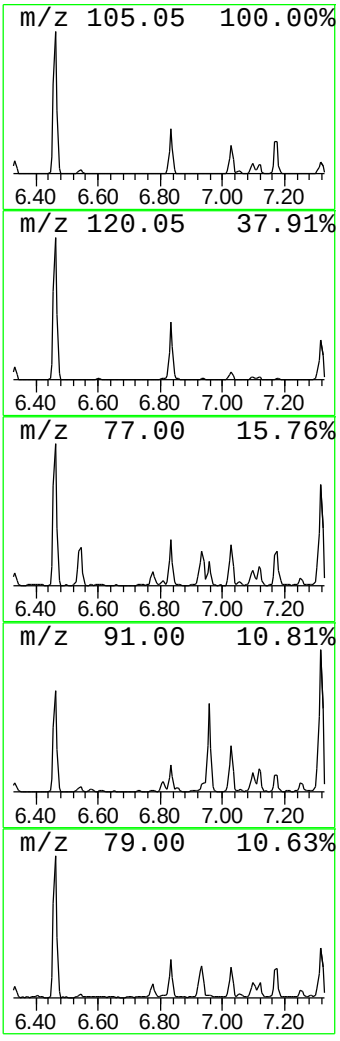
****

Peak Number 5 Benzene, 1,2,3-trimethyl- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.83	7.72 ng	373026	1,4-Dichlorobenzene-d4	6.77

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1,2,3-trimethyl-	120	C9H12	000526-73-8	95
2	Benzene, 1,2,4-trimethyl-	120	C9H12	000095-63-6	91
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 : BF097816.D
Acq On : 18 Aug 2017 6:00
Operator : SJ/JU
Sample : I4752-04
Misc :
ALS Vial : 30 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : RMAB-MW-10-GW

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

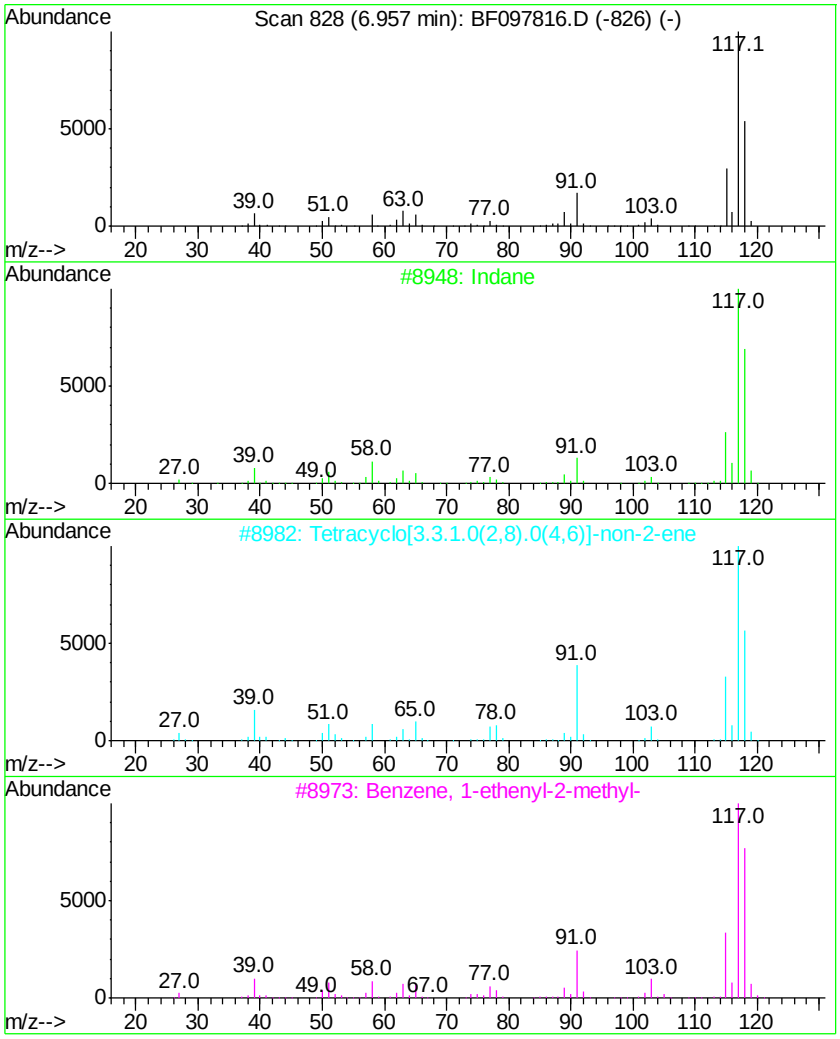
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

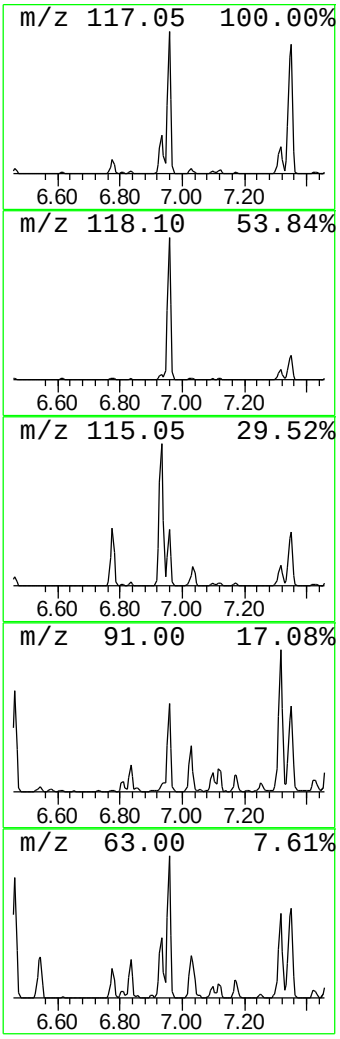
****

Peak Number 7 Indane Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.96	17.59 ng	849560	1,4-Dichlorobenzene-d4	6.77

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Indane	118	C9H10	000496-11-7	83
2	Tetracyclo[3.3.1.0(2,8).0(4,6)]-...	118	C9H10	1000191-13-7	64
3	Benzene, 1-ethenyl-2-methyl-	118	C9H10	000611-15-4	64
4	trans-Cinnamyl bromide	196	C9H9Br	026146-77-0	53
5	Benzene, cyclopropyl-	118	C9H10	000873-49-4	50





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA F\DATA\BF081717\
Data File : BF097816.D
Acq On : 18 Aug 2017 6:00
Operator : SJ/JU
Sample : I4752-04
Misc :
ALS Vial : 30 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : RMAB-MW-10-GW

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

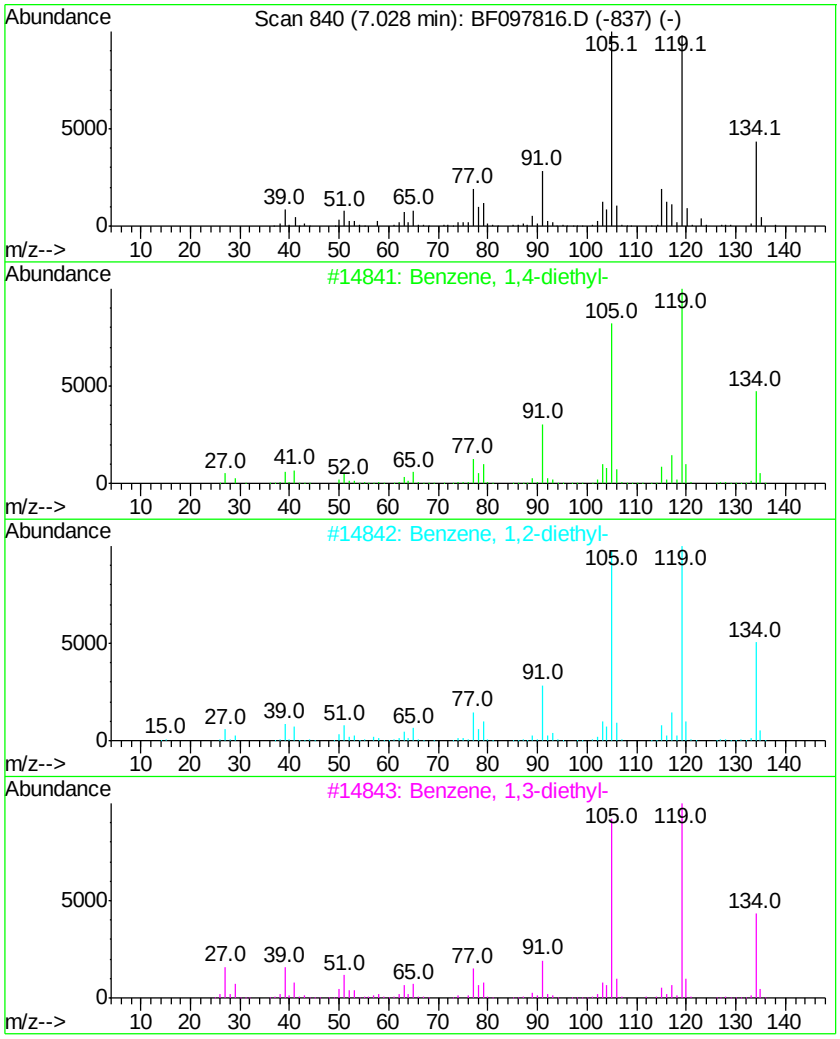
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

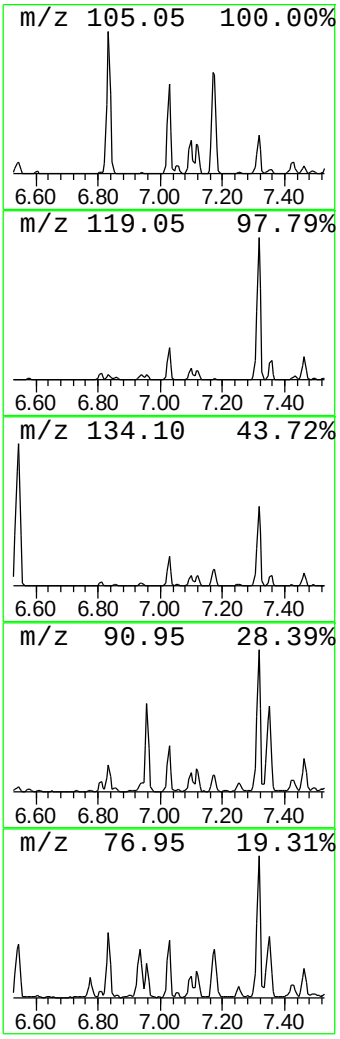
****

Peak Number 8 Benzene, 1,4-diethyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.03	10.73 ng	518005	1,4-Dichlorobenzene-d4	6.77

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1,4-diethyl-	134	C10H14	000105-05-5	93
2	Benzene, 1,2-diethyl-	134	C10H14	000135-01-3	91
3	Benzene, 1,3-diethyl-	134	C10H14	000141-93-5	91
4	o-Cymene	134	C10H14	000527-84-4	76
5	p-Cymene	134	C10H14	000099-87-6	70





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA F\DATA\BF081717\
Data File : BF097816.D
Acq On : 18 Aug 2017 6:00
Operator : SJ/JU
Sample : I4752-04
Misc :
ALS Vial : 30 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : RMAB-MW-10-GW

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

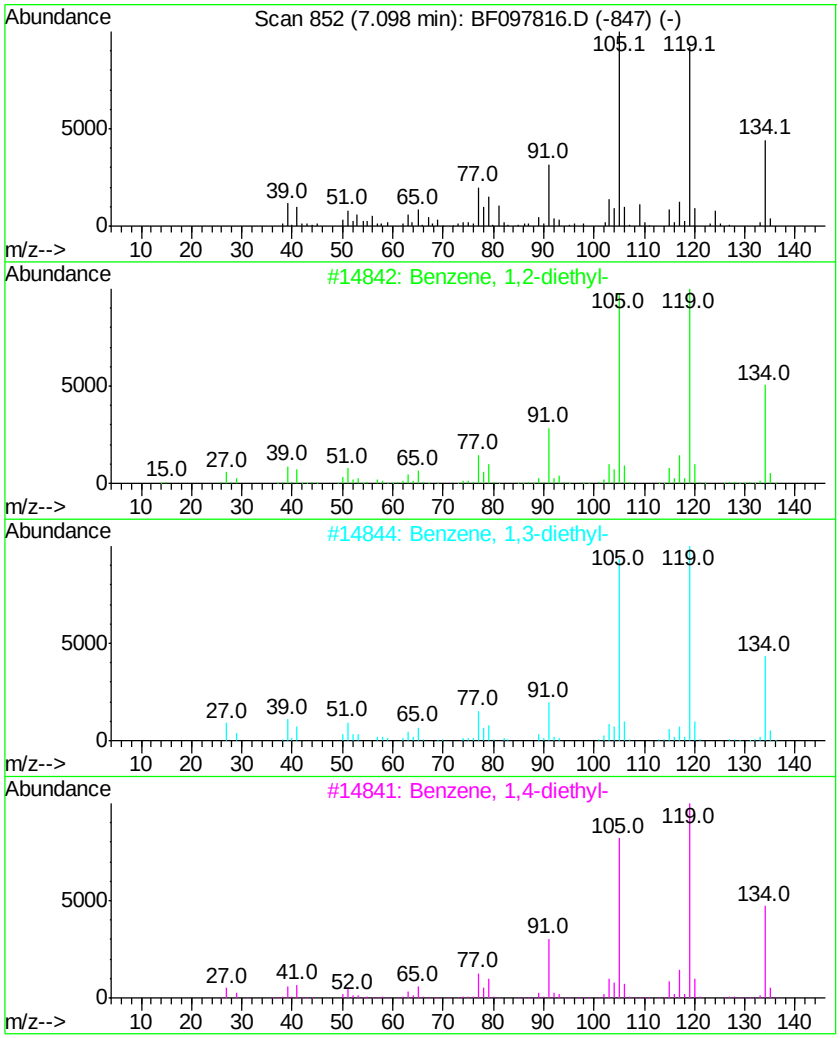
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

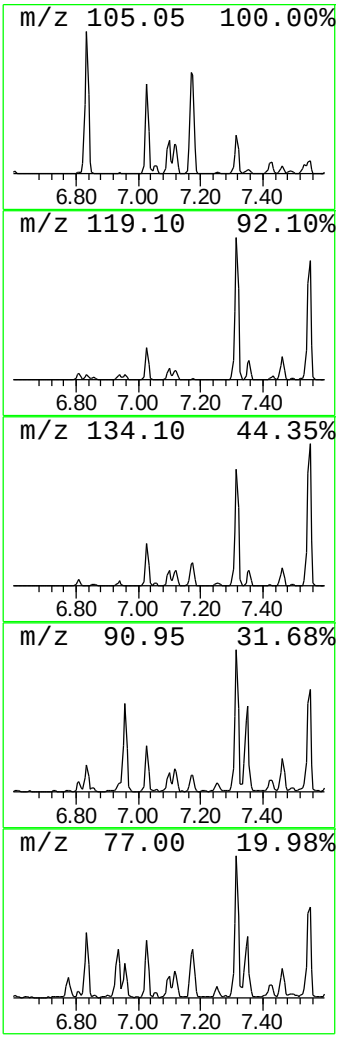
****

Peak Number 9 Benzene, 1,2-diethyl- Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.10	5.30 ng	255950	1,4-Dichlorobenzene-d4	6.77

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1,2-diethyl-	134	C10H14	000135-01-3	96
2	Benzene, 1,3-diethyl-	134	C10H14	000141-93-5	95
3	Benzene, 1,4-diethyl-	134	C10H14	000105-05-5	95
4	o-Cymene	134	C10H14	000527-84-4	89
5	Benzene, 1-ethyl-2,3-dimethyl-	134	C10H14	000933-98-2	87





Data Path : Z:\HPCHEM1\BNA F\DATA\BF081717\
Data File : BF097816.D
Acq On : 18 Aug 2017 6:00
Operator : SJ/JU
Sample : I4752-04
Misc :
ALS Vial : 30 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : RMAB-MW-10-GW

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

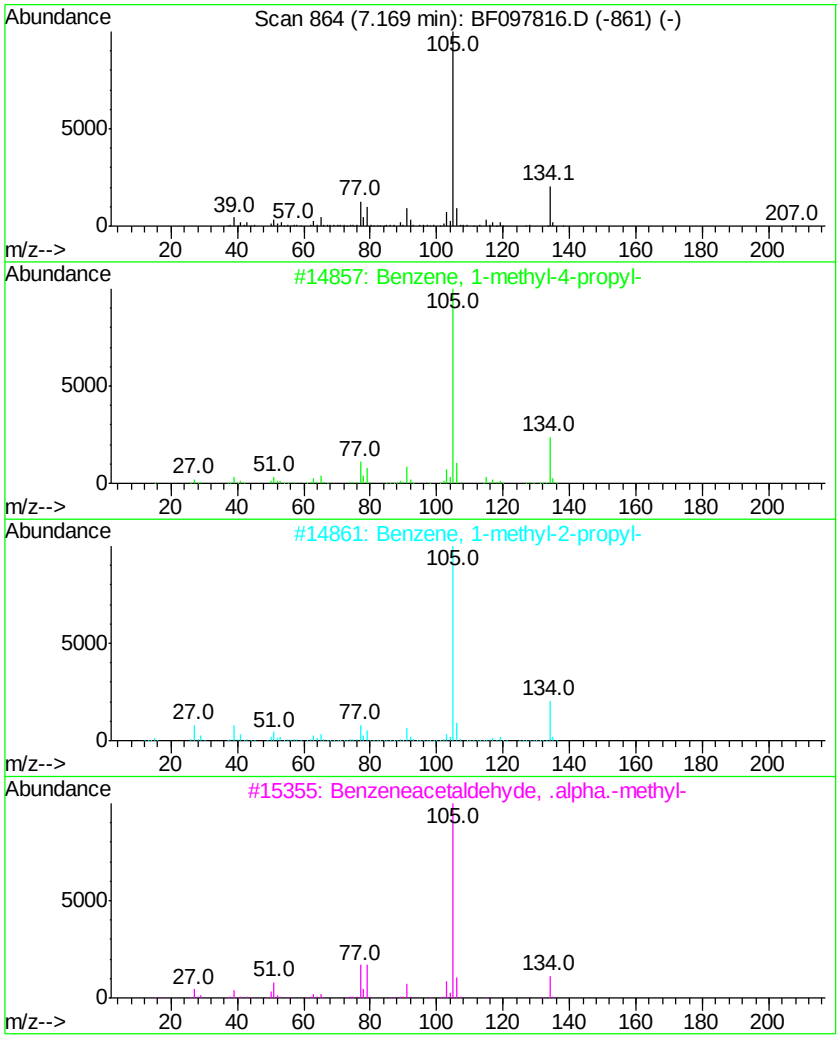
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

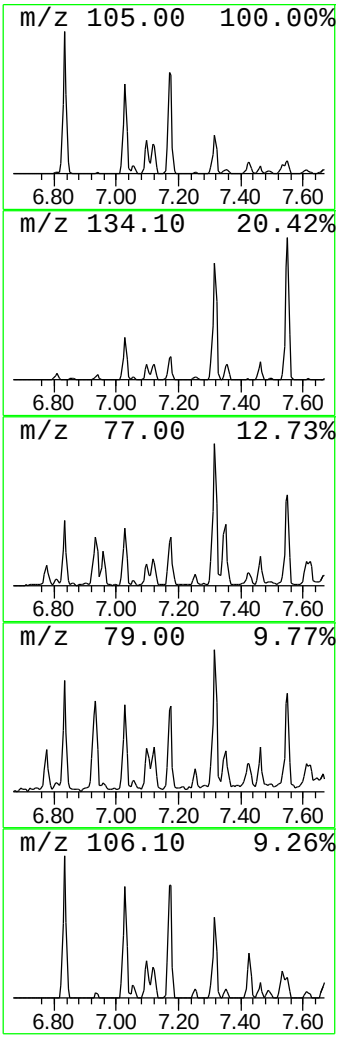
****

Peak Number 10 Benzene, 1-methyl-4-propyl- Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.17	6.70 ng	323675	1,4-Dichlorobenzene-d4	6.77

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-methyl-4-propyl-	134	C10H14	001074-55-1	94
2	Benzene, 1-methyl-2-propyl-	134	C10H14	001074-17-5	91
3	Benzeneacetaldehyde, .alpha.-met...	134	C9H10O	000093-53-8	87
4	Benzene, (1-methylpropyl)-	134	C10H14	000135-98-8	86
5	2-Tolyloxirane	134	C9H10O	002783-26-8	86





Data Path : Z:\HPCHEM1\BNA F\DATA\BF081717\
Data File : BF097816.D
Acq On : 18 Aug 2017 6:00
Operator : SJ/JU
Sample : I4752-04
Misc :
ALS Vial : 30 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : RMAB-MW-10-GW

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

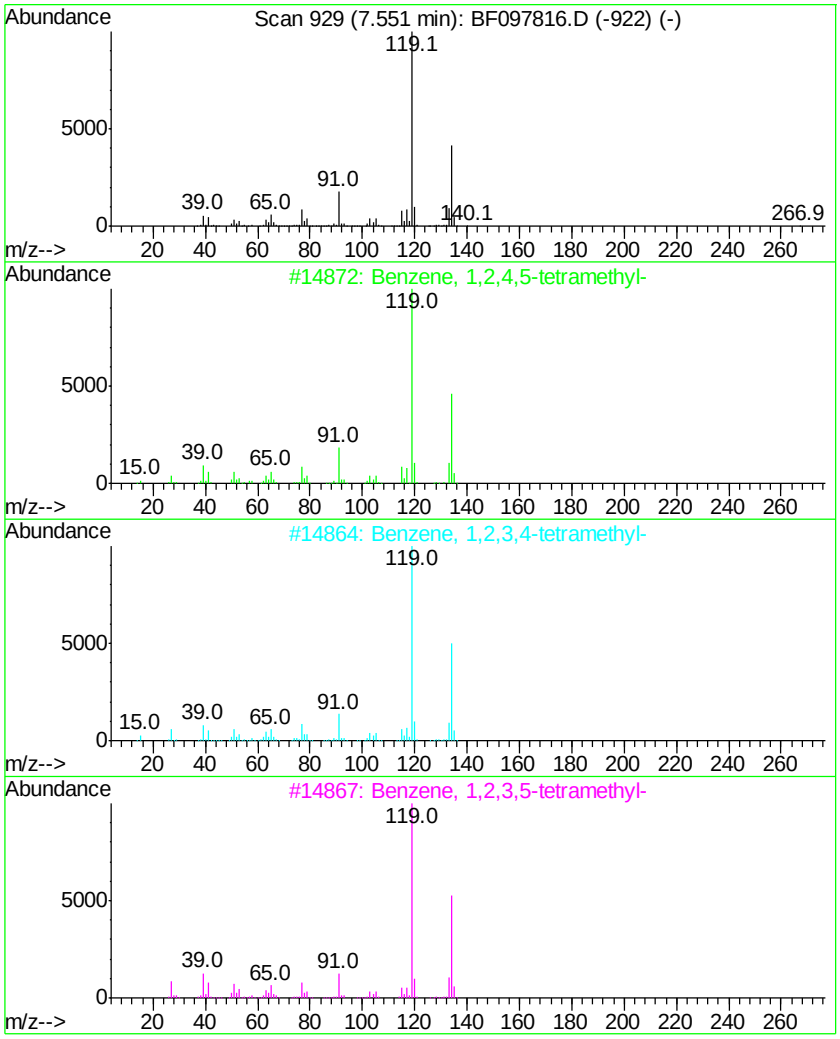
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

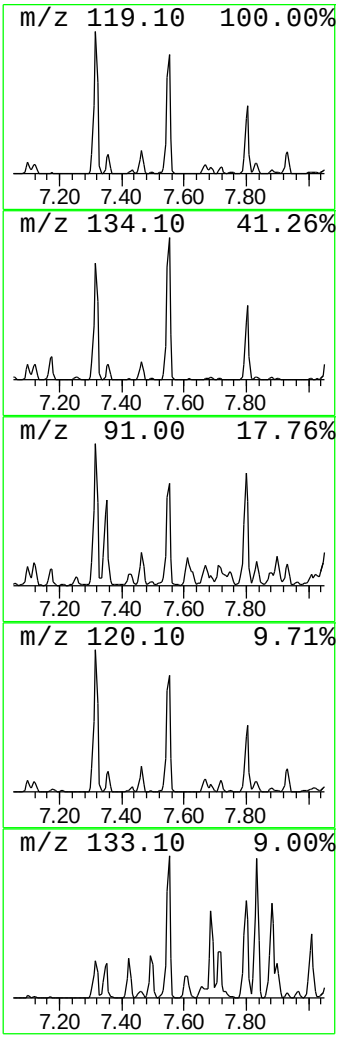
****

Peak Number 11 Benzene, 1,2,4,5-tetramethyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.55	14.35 ng	1106770	Naphthalene-d8	8.06

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1,2,4,5-tetramethyl-	134	C10H14	000095-93-2	97
2	Benzene, 1,2,3,4-tetramethyl-	134	C10H14	000488-23-3	95
3	Benzene, 1,2,3,5-tetramethyl-	134	C10H14	000527-53-7	95
4	o-Cymene	134	C10H14	000527-84-4	95
5	Benzene, 1-ethyl-2,4-dimethyl-	134	C10H14	000874-41-9	94





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA F\DATA\BF081717\
Data File : BF097816.D
Acq On : 18 Aug 2017 6:00
Operator : SJ/JU
Sample : I4752-04
Misc :
ALS Vial : 30 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : RMAB-MW-10-GW

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

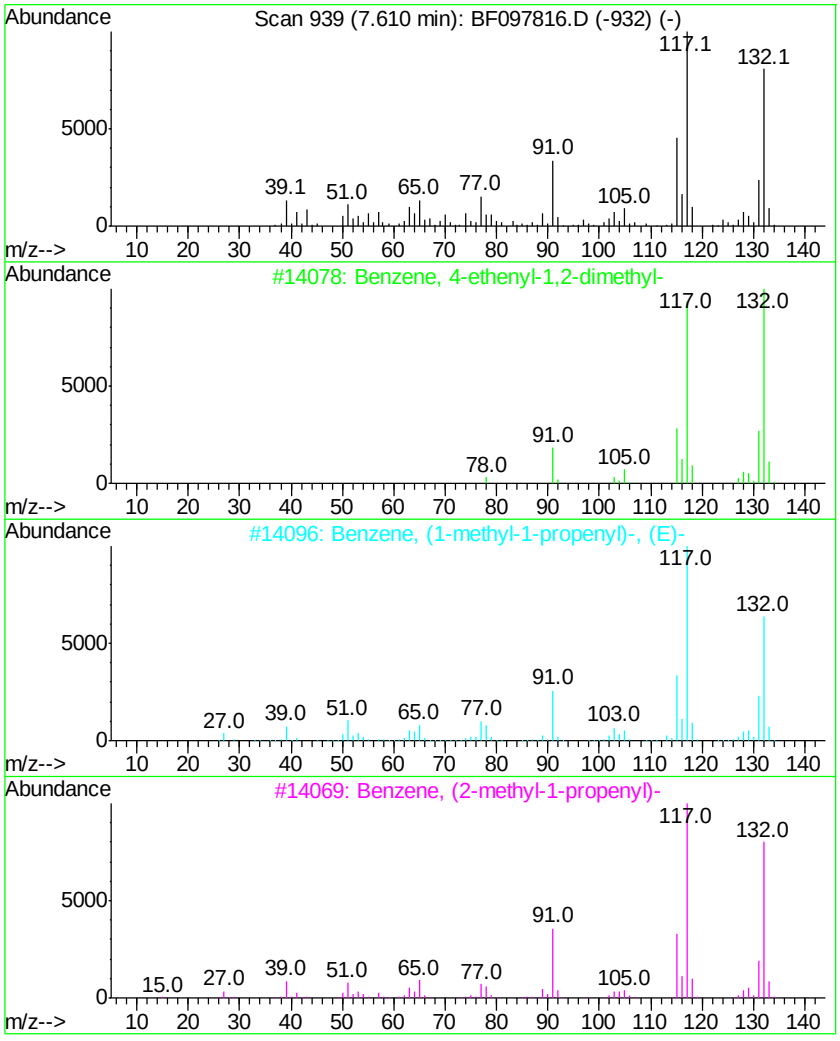
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

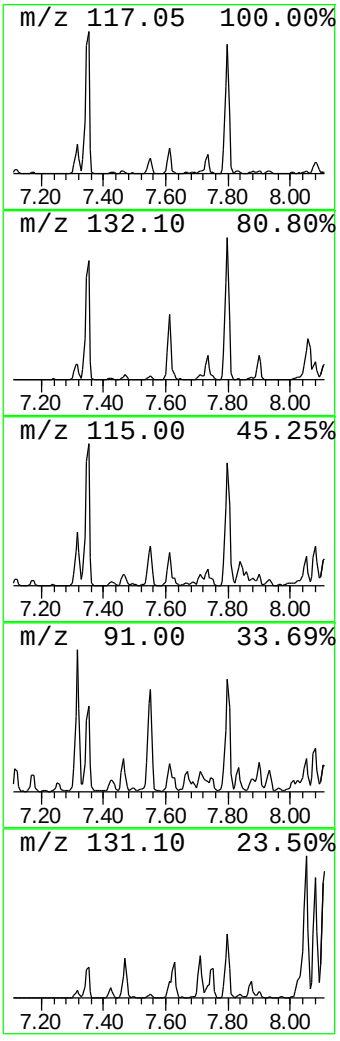
****

Peak Number 12 Benzene, 4-ethenyl-1,2-dime... Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.61	6.73 ng	518827	Naphthalene-d8	8.06

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 4-ethenyl-1,2-dimethyl-	132	C10H12	027831-13-6	97
2	Benzene, (1-methyl-1-propenyl)-,...	132	C10H12	000768-00-3	97
3	Benzene, (2-methyl-1-propenyl)-	132	C10H12	000768-49-0	95
4	Benzene, 1-methyl-2-(2-propenyl)-	132	C10H12	001587-04-8	95
5	Benzene, (2-methyl-2-propenyl)-	132	C10H12	003290-53-7	95





Data Path : Z:\HPCHEM1\BNA F\DATA\BF081717\
Data File : BF097816.D
Acq On : 18 Aug 2017 6:00
Operator : SJ/JU
Sample : I4752-04
Misc :
ALS Vial : 30 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : RMAB-MW-10-GW

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

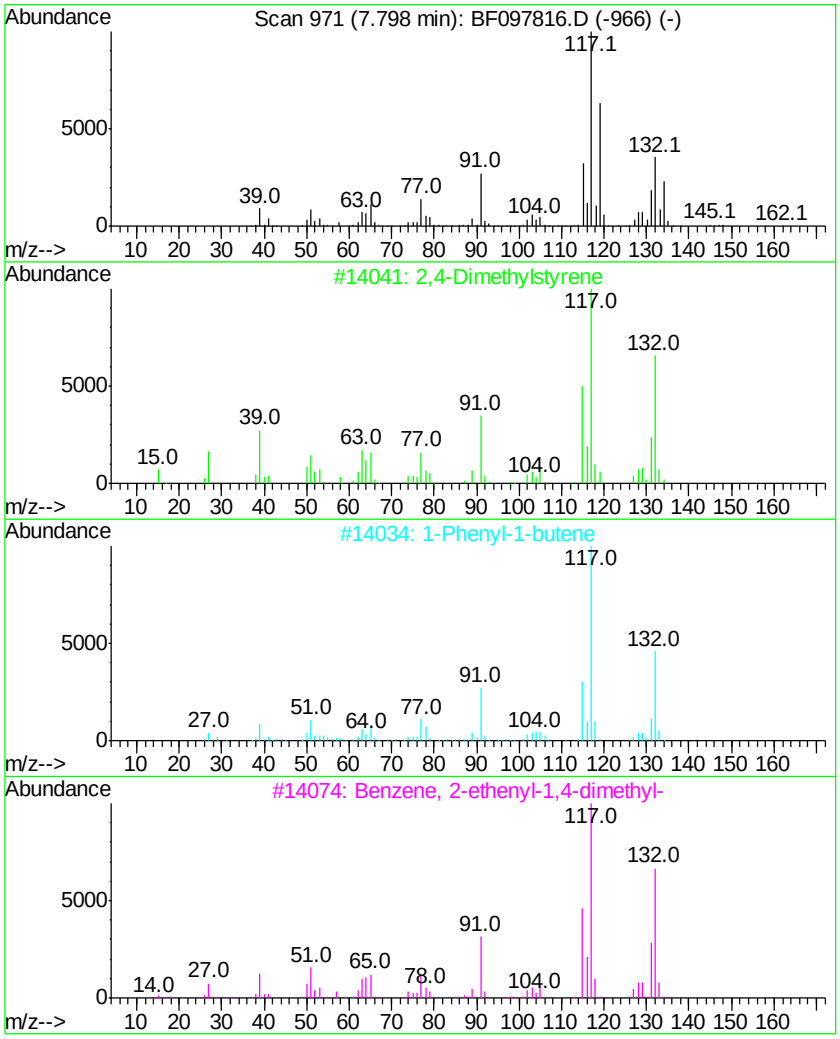
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

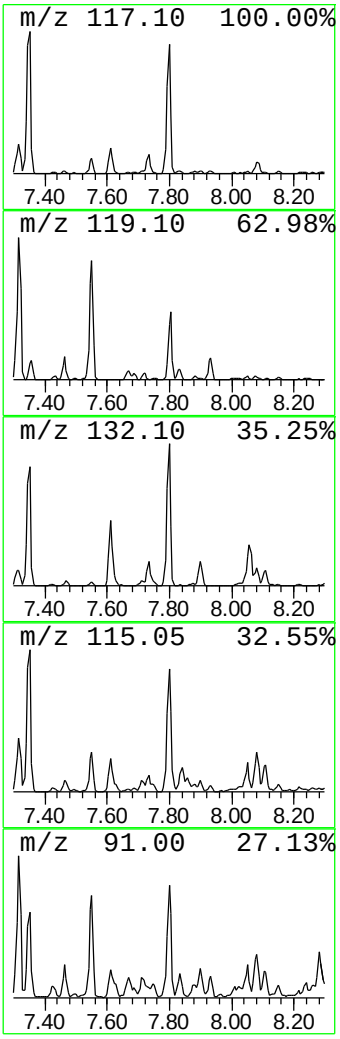
****

Peak Number 13 2,4-Dimethylstyrene Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.80	19.72 ng	1520950	Naphthalene-d8	8.06

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2,4-Dimethylstyrene	132	C10H12	002234-20-0	95
2	1-Phenyl-1-butene	132	C10H12	000824-90-8	93
3	Benzene, 2-ethenyl-1,4-dimethyl-	132	C10H12	002039-89-6	91
4	Benzene, (2-methylcyclopropyl)-	132	C10H12	1000327-39-0	90
5	Benzene, (1-methyl-1-propenyl)-,...	132	C10H12	000767-99-7	70





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA F\DATA\BF081717\
Data File : BF097816.D
Acq On : 18 Aug 2017 6:00
Operator : SJ/JU
Sample : I4752-04
Misc :
ALS Vial : 30 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : RMAB-MW-10-GW

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

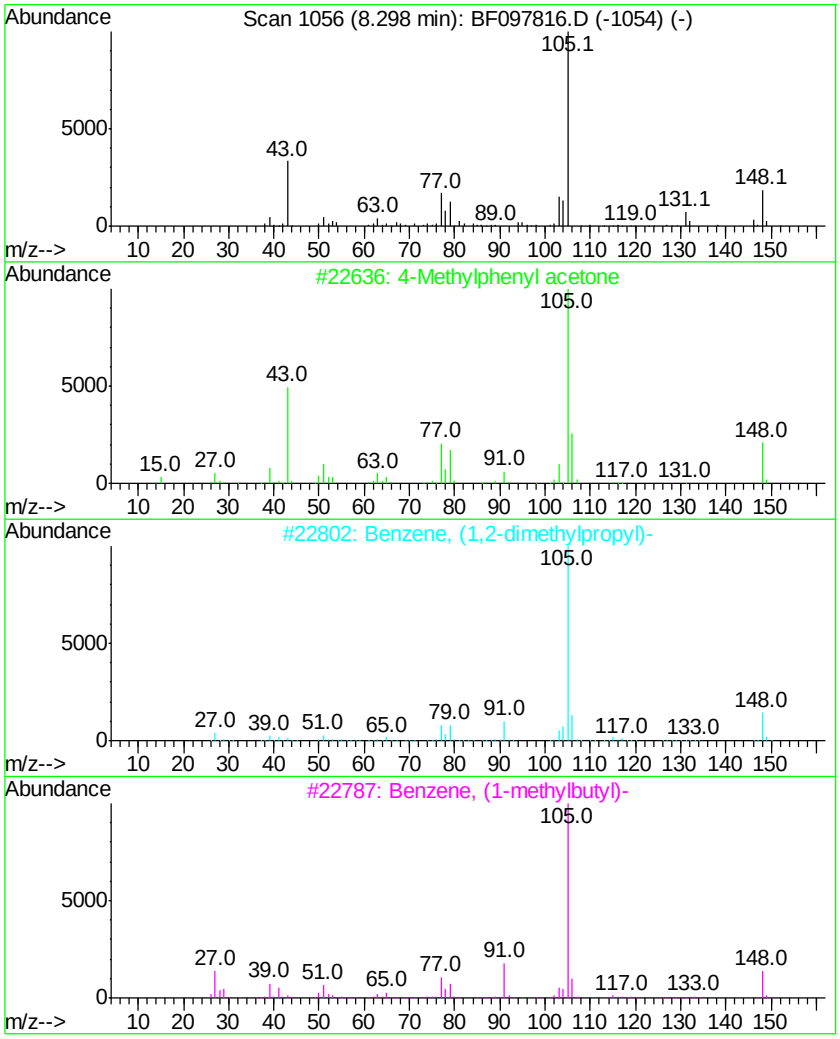
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

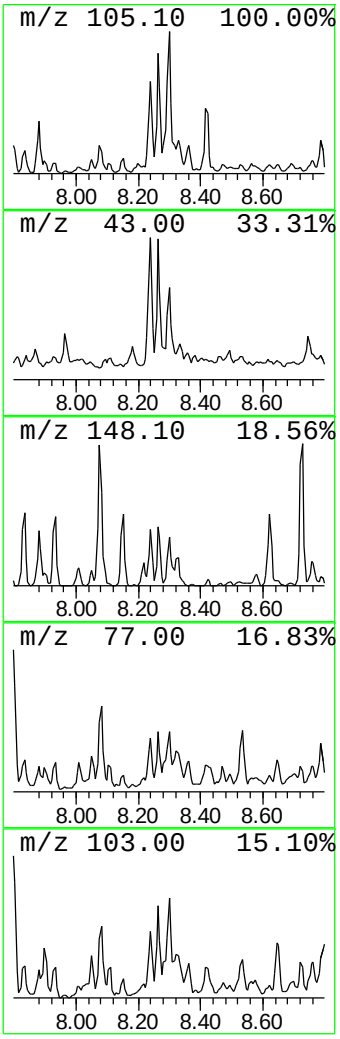
****

Peak Number 14 4-Methylphenyl acetone Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.30	3.83 ng	295669	Naphthalene-d8	8.06

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4-Methylphenyl acetone	148	C10H12O	002096-86-8	64
2	Benzene, (1,2-dimethylpropyl)-	148	C11H16	004481-30-5	64
3	Benzene, (1-methylbutyl)-	148	C11H16	002719-52-0	59
4	Benzenepropanal, .beta.-methyl-	148	C10H12O	016251-77-7	59
5	2,4,6-Cycloheptatrien-1-one, 4-(...	148	C10H12O	013656-81-0	56





Data Path : Z:\HPCHEM1\BNA F\DATA\BF081717\
Data File : BF097816.D
Acq On : 18 Aug 2017 6:00
Operator : SJ/JU
Sample : I4752-04
Misc :
ALS Vial : 30 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : RMAB-MW-10-GW

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

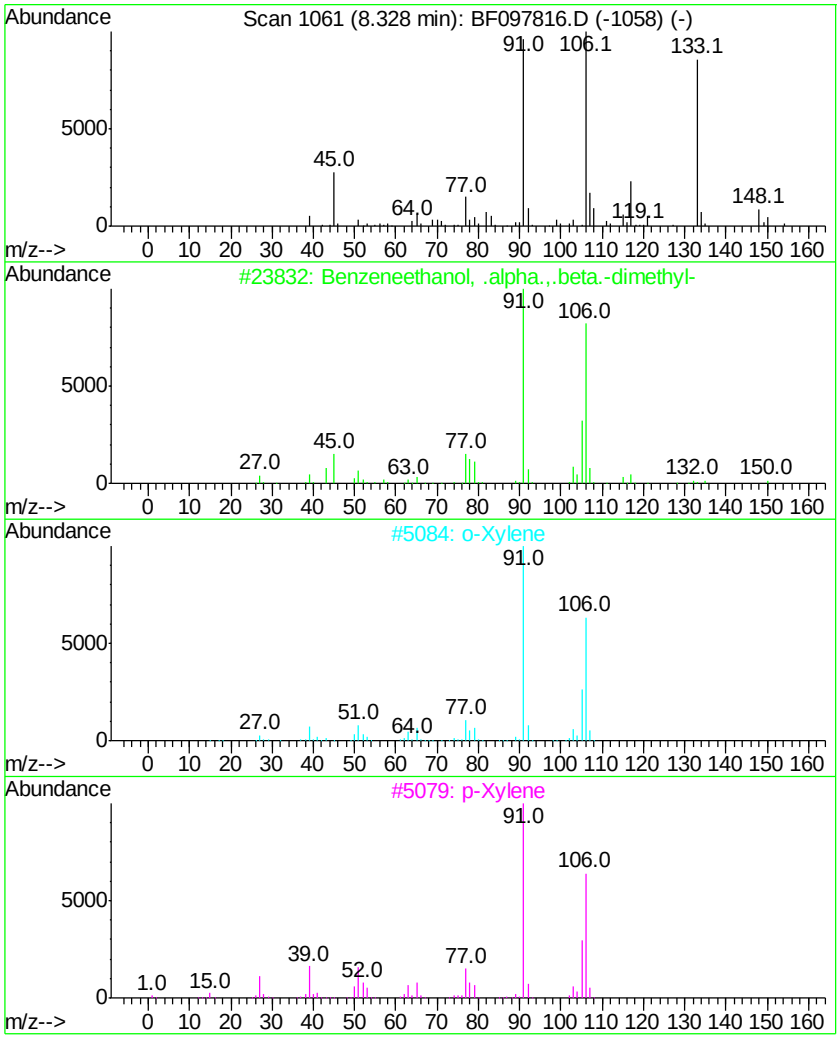
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

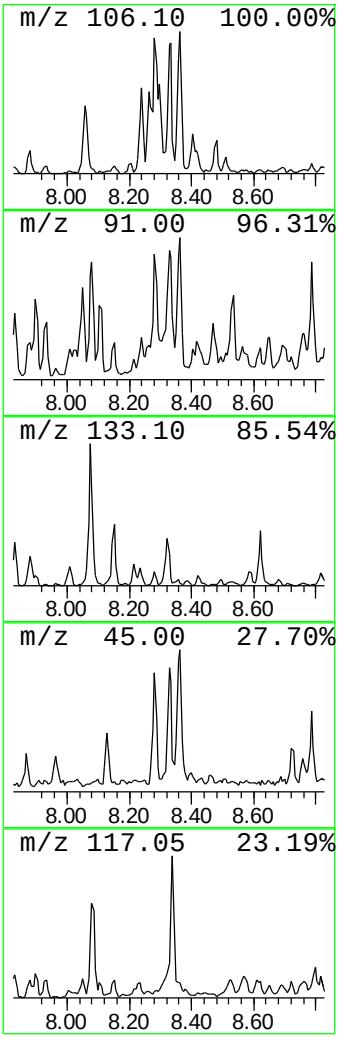
****

Peak Number 15 unknown8.33 Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.33	6.04 ng	465859	Naphthalene-d8	8.06

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzeneethanol, .alpha.,.beta.-d...	150	C10H14O	052089-32-4	43
2	o-Xylene	106	C8H10	000095-47-6	38
3	p-Xylene	106	C8H10	000106-42-3	35
4	Benzene, 1,3-dimethyl-	106	C8H10	000108-38-3	35
5	1-methyl-1-indanol	148	C10H12O	064666-42-8	25





Data Path : Z:\HPCHEM1\BNA F\DATA\BF081717\
Data File : BF097816.D
Acq On : 18 Aug 2017 6:00
Operator : SJ/JU
Sample : I4752-04
Misc :
ALS Vial : 30 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : RMAB-MW-10-GW

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

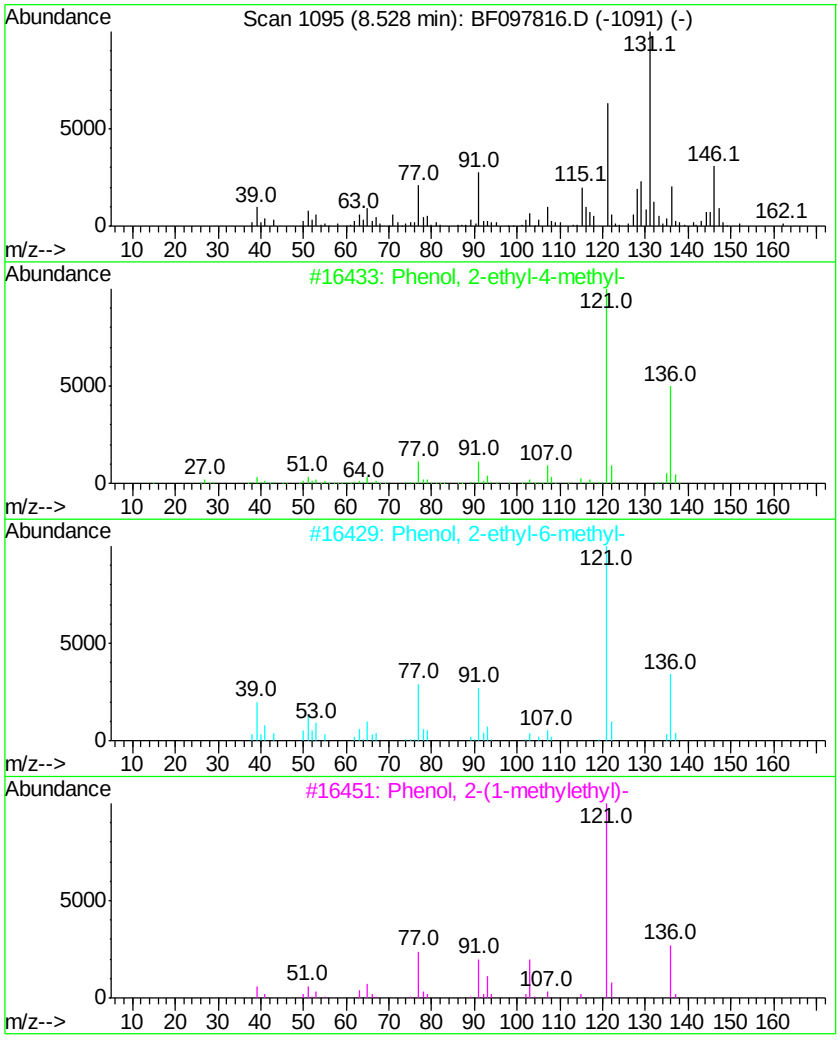
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

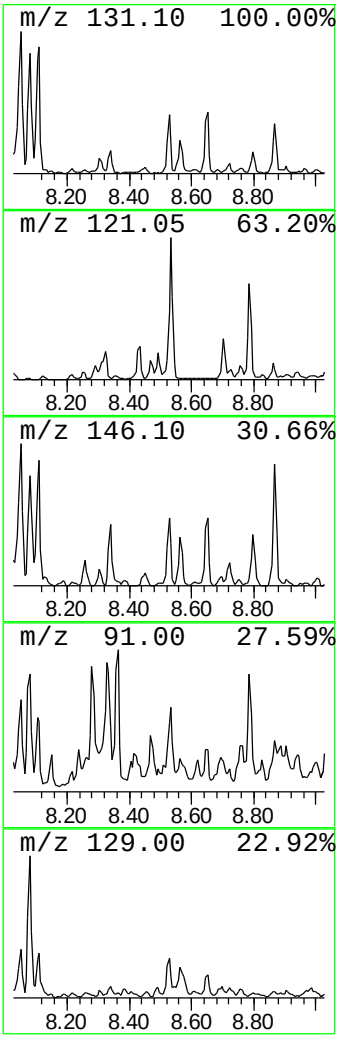
****

Peak Number 16 Phenol, 2-ethyl-4-methyl- Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.53	5.64 ng	434796	Naphthalene-d8	8.06

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenol, 2-ethyl-4-methyl-	136	C9H12O	003855-26-3	76
2	Phenol, 2-ethyl-6-methyl-	136	C9H12O	001687-64-5	76
3	Phenol, 2-(1-methylethyl)-	136	C9H12O	000088-69-7	70
4	Phenol, 2-ethyl-5-methyl-	136	C9H12O	001687-61-2	70
5	Phenol, 3-ethyl-5-methyl-	136	C9H12O	000698-71-5	64





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA F\DATA\BF081717\
Data File : BF097816.D
Acq On : 18 Aug 2017 6:00
Operator : SJ/JU
Sample : I4752-04
Misc :
ALS Vial : 30 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : RMAB-MW-10-GW

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

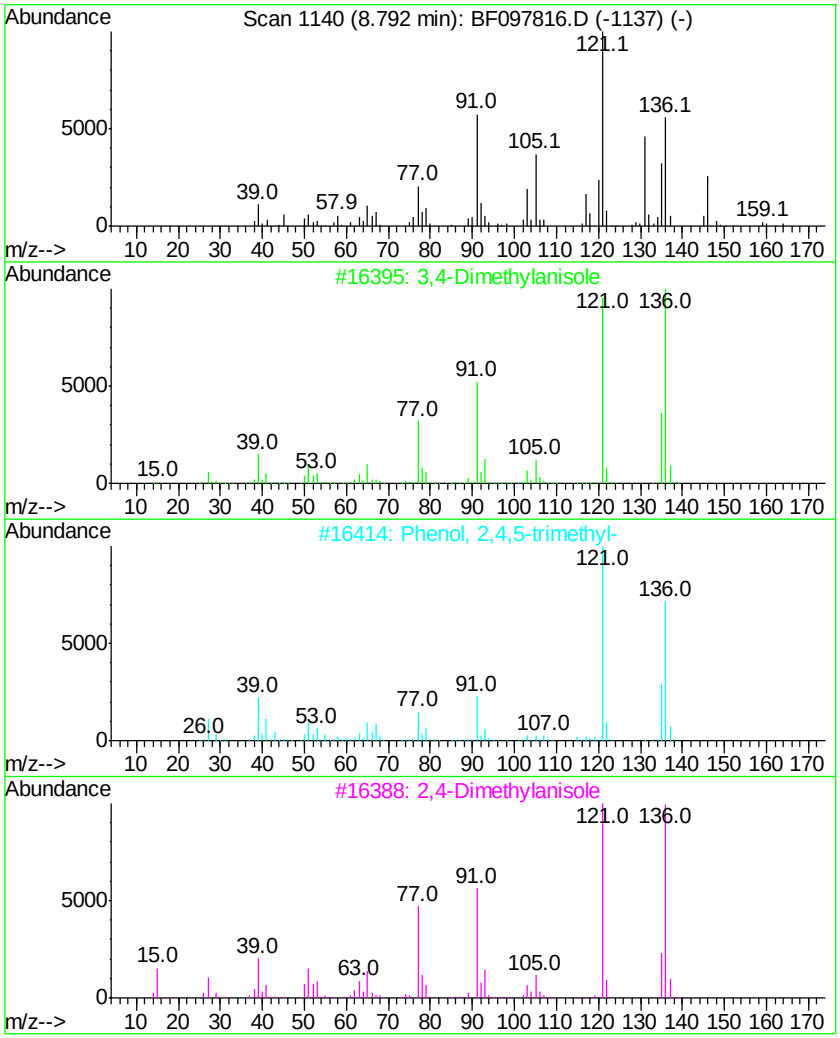
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

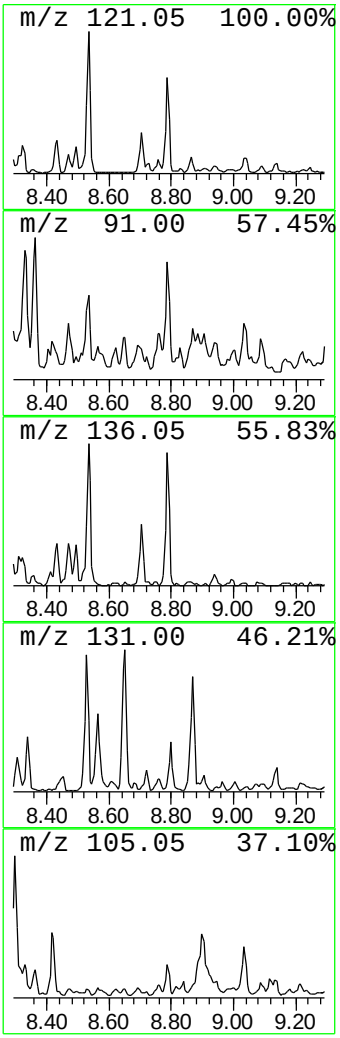
****

Peak Number 17 3,4-Dimethylanisole Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.79	3.76 ng	289611	Naphthalene-d8	8.06

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3,4-Dimethylanisole	136	C9H12O	004685-47-6	81
2	Phenol, 2,4,5-trimethyl-	136	C9H12O	000496-78-6	76
3	2,4-Dimethylanisole	136	C9H12O	006738-23-4	76
4	Phenol, 3,4,5-trimethyl-	136	C9H12O	000527-54-8	68
5	Phenol, 2,4,6-trimethyl-	136	C9H12O	000527-60-6	68





Data Path : Z:\HPCHEM1\BNA F\DATA\BF081717\
Data File : BF097816.D
Acq On : 18 Aug 2017 6:00
Operator : SJ/JU
Sample : I4752-04
Misc :
ALS Vial : 30 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : RMAB-MW-10-GW

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

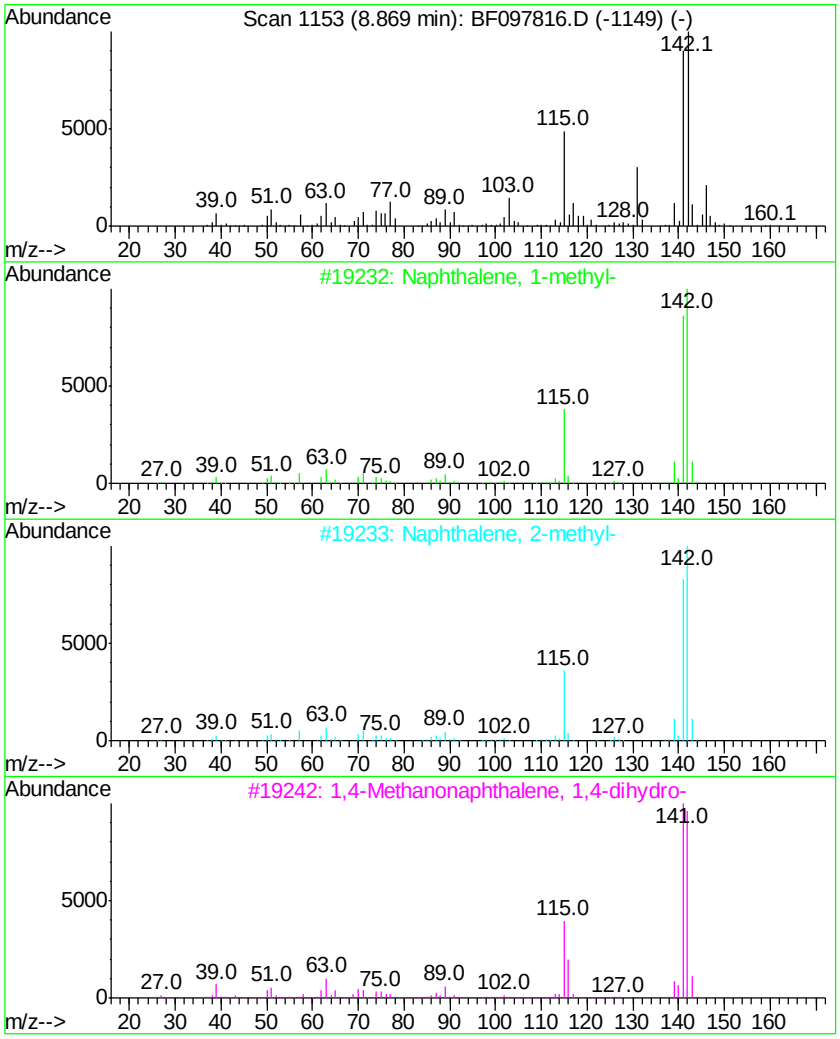
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

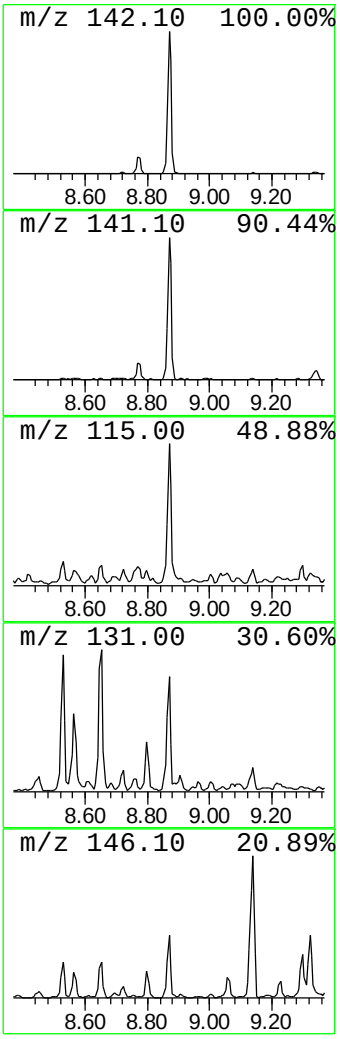
****

Peak Number 18 Naphthalene, 1-methyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.87	10.30 ng	794523	Naphthalene-d8	8.06

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	95
3	1,4-Methanonaphthalene, 1,4-dihy...	142	C11H10	004453-90-1	89
4	Benzocycloheptatriene	142	C11H10	000264-09-5	89
5	Benzeneacetonitrile, 4-cyano-	142	C9H6N2	000876-31-3	50





Data Path : Z:\HPCHEM1\BNA F\DATA\BF081717\
Data File : BF097816.D
Acq On : 18 Aug 2017 6:00
Operator : SJ/JU
Sample : I4752-04
Misc :
ALS Vial : 30 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : RMAB-MW-10-GW

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

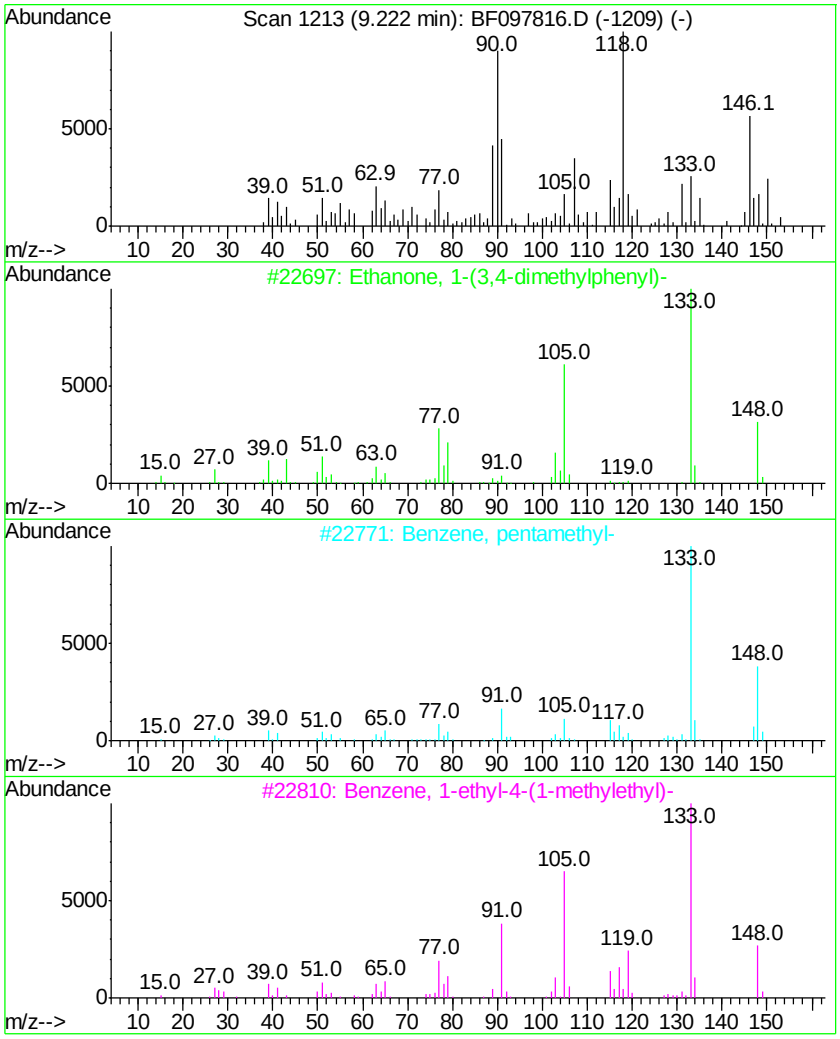
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

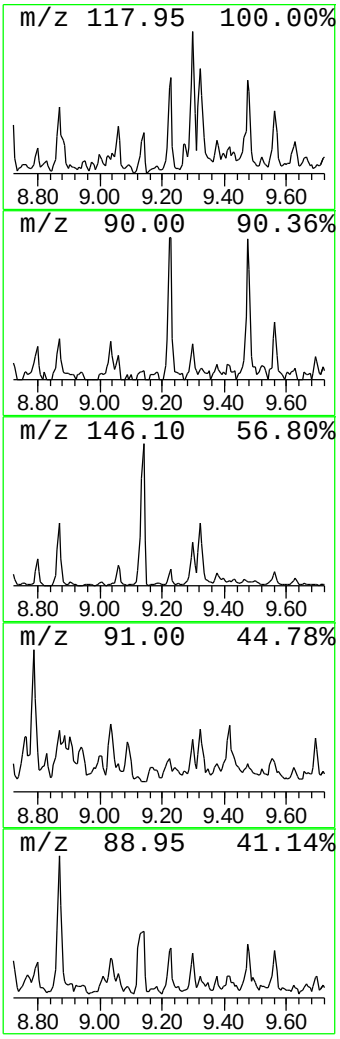
****

Peak Number 19 Ethanone, 1-(3,4-dimethylph... Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.22	4.12 ng	201287	Acenaphthene-d10	9.81

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Ethanone, 1-(3,4-dimethylphenyl)-	148	C10H12O	003637-01-2	76
2	Benzene, pentamethyl-	148	C11H16	000700-12-9	76
3	Benzene, 1-ethyl-4-(1-methylethyl)-	148	C11H16	004218-48-8	74
4	Benzene, 2,4-diethyl-1-methyl-	148	C11H16	001758-85-6	72
5	Benzene, 1,3-diethyl-5-methyl-	148	C11H16	002050-24-0	72





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA F\DATA\BF081717\
Data File : BF097816.D
Acq On : 18 Aug 2017 6:00
Operator : SJ/JU
Sample : I4752-04
Misc :
ALS Vial : 30 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : RMAB-MW-10-GW

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

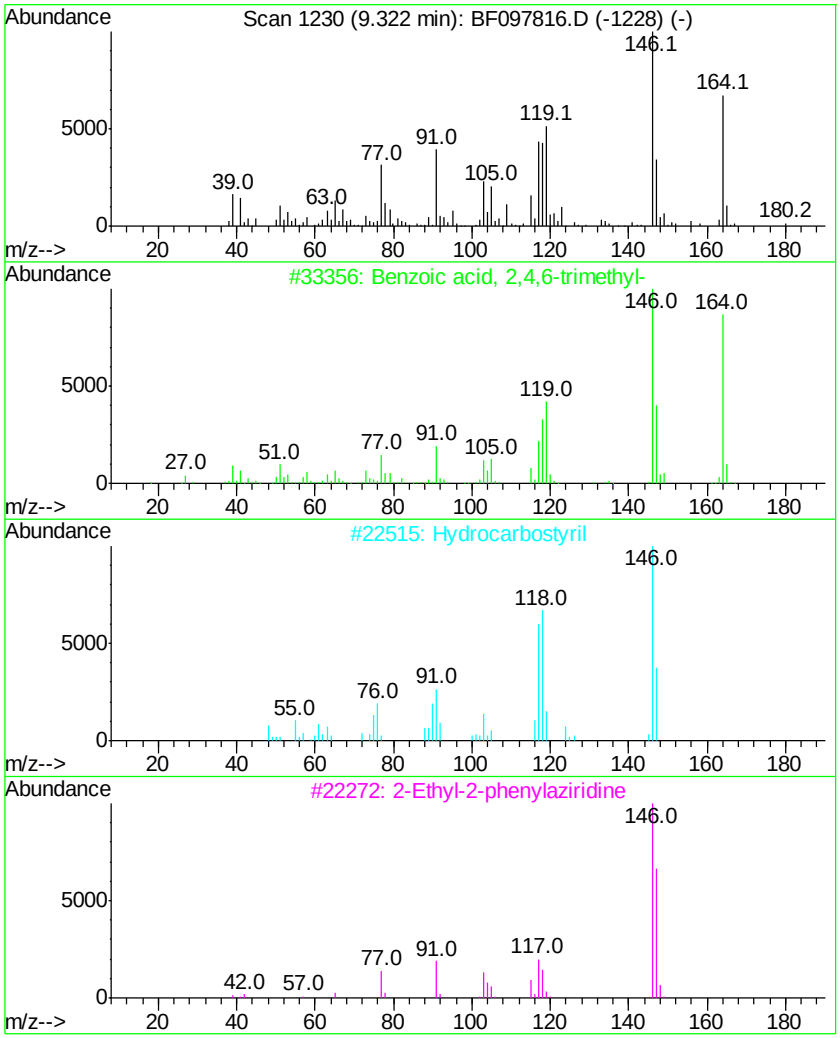
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

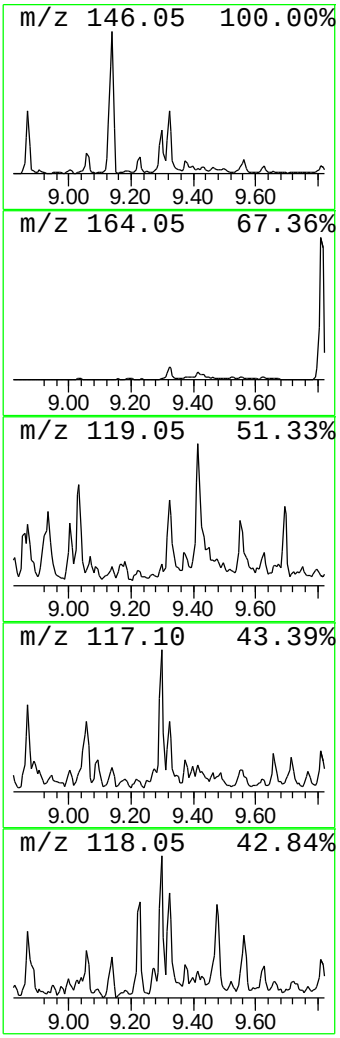
****

Peak Number 20 Benzoic acid, 2,4,6-trimethyl- Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.32	4.75 ng	231987	Acenaphthene-d10	9.81

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzoic acid, 2,4,6-trimethyl-	164	C10H12O2	000480-63-7	91
2	Hydrocarbostyril	147	C9H9NO	000553-03-7	47
3	2-Ethyl-2-phenylaziridine	147	C10H13N	000768-82-1	41
4	Ethyl o-methylbenzoate	164	C10H12O2	000087-24-1	38
5	7-Quinazolinol	146	C8H6N2O	007556-97-0	38





Tentatively Identified Compound (LSC) summary

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF081717\
Data File : BF097816.D
Acq On : 18 Aug 2017 6:00
Operator : SJ/JU
Sample : I4752-04
Misc :
ALS Vial : 30 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : RMAB-MW-10-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
Di-sec-butyl ether	4.30	4.7	ng	224845	1	6.77	965962	20.0
2-Pentanone, 4-hy...	4.98	15.8	ng	762771	1	6.77	965962	20.0
Benzene, 1-ethyl-...	6.46	25.0	ng	1208460	1	6.77	965962	20.0
unknown6.55	6.55	57.3	ng	2765830	1	6.77	965962	20.0
Benzene, 1,2,3-tr...	6.83	7.7	ng	373026	1	6.77	965962	20.0
Indane	6.96	17.6	ng	849560	1	6.77	965962	20.0
Benzene, 1,4-diet...	7.03	10.7	ng	518005	1	6.77	965962	20.0
Benzene, 1,2-diet...	7.10	5.3	ng	255950	1	6.77	965962	20.0
Benzene, 1-methyl...	7.17	6.7	ng	323675	1	6.77	965962	20.0
Benzene, 1,2,4,5-...	7.55	14.4	ng	1106770	2	8.06	1542390	20.0
Benzene, 4-etheny...	7.61	6.7	ng	518827	2	8.06	1542390	20.0
2,4-Dimethylstyrene	7.80	19.7	ng	1520950	2	8.06	1542390	20.0
4-Methylphenyl ac...	8.30	3.8	ng	295669	2	8.06	1542390	20.0
unknown8.33	8.33	6.0	ng	465859	2	8.06	1542390	20.0
Phenol, 2-ethyl-4...	8.53	5.6	ng	434796	2	8.06	1542390	20.0
3,4-Dimethylanisole	8.79	3.8	ng	289611	2	8.06	1542390	20.0
Naphthalene, 1-me...	8.87	10.3	ng	794523	2	8.06	1542390	20.0
Ethanone, 1-(3,4-...	9.22	4.1	ng	201287	3	9.81	977781	20.0
Benzoic acid, 2,4...	9.32	4.8	ng	231987	3	9.81	977781	20.0