

Data File : BM010912.D
Acq On : 20 Jul 2017 17:14
Operator : SJ/JU
Sample : PB100784BS
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
PB100784BS

Quant Time: Jul 21 03:18:31 2017
Quant Method : Z:\HPCHEM1\BNA_M\METHODS\8270-BM071217.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Jul 12 14:21:16 2017
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.44	152	226728	20.00	ng	-0.01
21) Naphthalene-d8	10.20	136	954444	20.00	ng	-0.01
38) Acenaphthene-d10	14.09	164	689540	20.00	ng	0.00
63) Phenanthrene-d10	16.84	188	1761756	20.00	ng	0.00
75) Chrysene-d12	21.06	240	1552960	20.00	ng	0.00
86) Perylene-d12	23.19	264	1259345	20.00	ng	-0.01

System Monitoring Compounds

5) 2-Fluorophenol	5.08	112	1853959	135.45	ng	0.00
7) Phenol-d6	6.64	99	2483714	131.63	ng	0.00
23) Nitrobenzene-d5	8.59	82	1986583	80.00	ng	0.00
41) 2,4,6-Tribromophenol	15.60	330	1497059	142.07	ng	0.00
44) 2-Fluorobiphenyl	12.70	172	4680830	84.45	ng	0.00
78) Terphenyl-d14	19.50	244	7172990	89.33	ng	0.00

Target Compounds

						Qvalue
2) 1,4-Dioxane	3.09	88	178214	29.51	ng	# 100
3) Pyridine	3.46	79	539406	32.67	ng	# 87
4) n-Nitrosodimethylamine	3.38	42	343981	40.77	ng	# 72
6) Aniline	6.79	93	844831	35.74	ng	96
8) 2-Chlorophenol	7.02	128	570978	42.13	ng	83
9) Benzaldehyde	6.60	77	332205	25.36	ng	80
10) Phenol	6.67	94	861909	43.20	ng	98
11) bis(2-Chloroethyl)ether	6.89	93	600610	39.09	ng	95
12) 1,3-Dichlorobenzene	7.33	146	625669	37.36	ng	# 81
13) 1,4-Dichlorobenzene	7.47	146	640562	37.06	ng	# 91
14) 1,2-Dichlorobenzene	7.79	146	630863	38.31	ng	# 92
15) Benzyl Alcohol	7.69	79	798462	44.69	ng	# 83
16) 2,2'-oxybis(1-Chloropropan	7.97	45	552099	41.45	ng	80
17) 2-Methylphenol	7.89	107	581440	45.06	ng	# 78
18) Hexachloroethane	8.50	117	288607	39.81	ng	# 80
19) n-Nitroso-di-n-propylamine	8.25	70	627659	41.99	ng	93
20) 3+4-Methylphenols	8.22	107	776280	43.31	ng	# 83
22) Acetophenone	8.26	105	1071900	37.30	ng	# 94
24) Nitrobenzene	8.63	77	993560	39.04	ng	# 89
25) Isophorone	9.15	82	1654775	40.68	ng	# 85
26) 2-Nitrophenol	9.33	139	351541	41.51	ng	# 29
27) 2,4-Dimethylphenol	9.40	122	610195	40.37	ng	# 70
28) bis(2-Chloroethoxy)methane	9.64	93	932695	40.90	ng	100
29) 2,4-Dichlorophenol	9.86	162	730817	42.81	ng	95
30) 1,2,4-Trichlorobenzene	10.07	180	820039	39.29	ng	97
31) Naphthalene	10.25	128	1953615	40.26	ng	99
32) Benzoic acid	9.56	122	440534	37.15	ng	# 63
33) 4-Chloroaniline	10.37	127	298139	15.25	ng	# 76
34) Hexachlorobutadiene	10.54	225	632340	39.05	ng	98
35) Caprolactam	11.16	113	139332	30.65	ng	# 82
36) 4-Chloro-3-methylphenol	11.51	107	879523	42.59	ng	# 76
37) 2-Methylnaphthalene	11.87	142	1552021	44.52	ng	# 88
39) 1,2,4,5-Tetrachlorobenzene	12.25	216	1120699	37.29	ng	# 100
40) Hexachlorocyclopentadiene	12.23	237	1728852	100.34	ng	99

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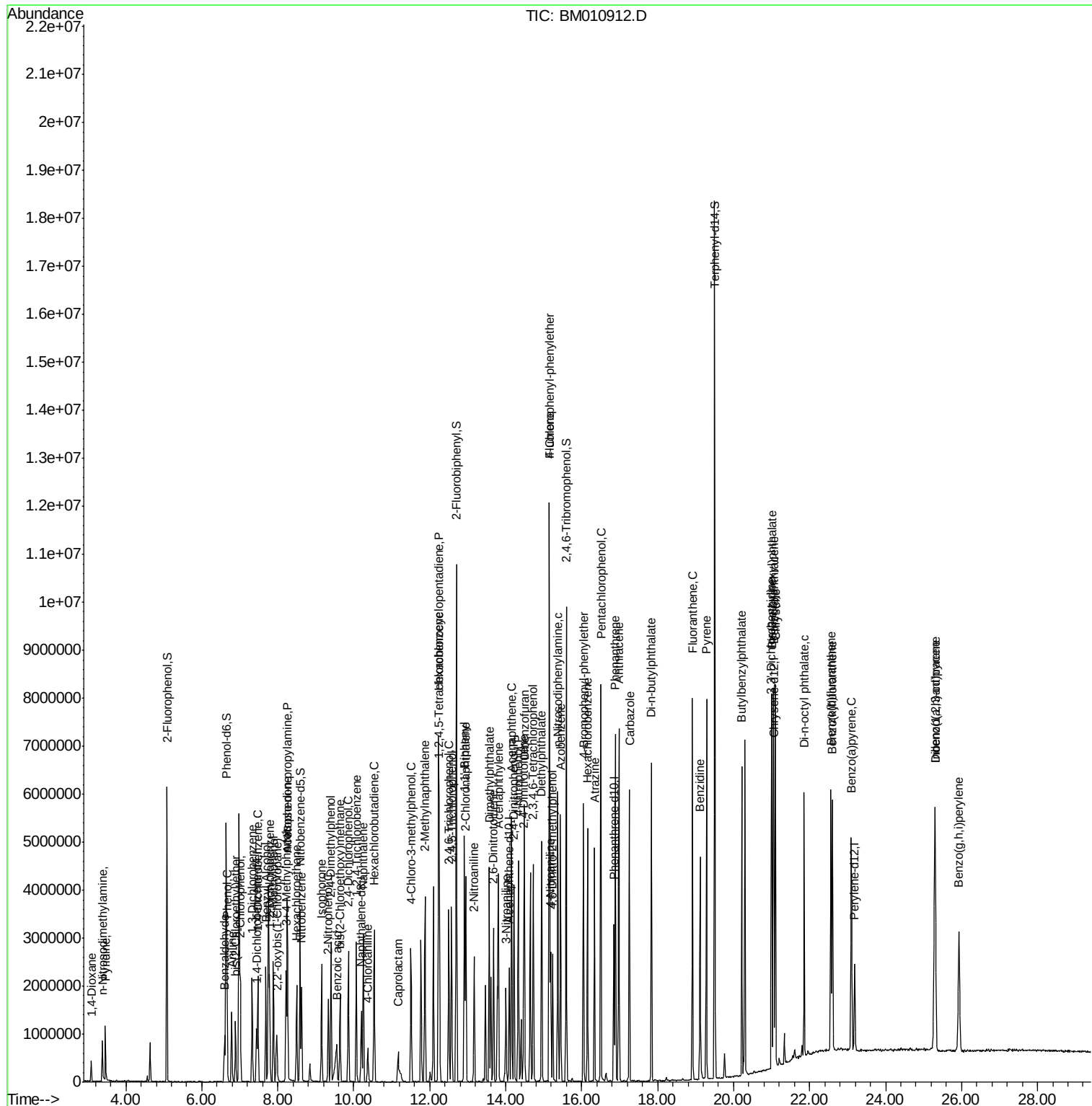
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) 2,4,6-Trichlorophenol	12.50	196	737698	39.86	ng	98
43) 2,4,5-Trichlorophenol	12.57	196	784312	42.92	ng #	87
45) 1,1'-Biphenyl	12.92	154	2224223	37.03	ng	98
46) 2-Chloronaphthalene	12.95	162	1760135	39.96	ng	94
47) 2-Nitroaniline	13.17	65	658431	45.47	ng #	70
48) Acenaphthylene	13.81	152	2711654	41.39	ng	98
49) Dimethylphthalate	13.57	163	2398955	40.89	ng #	98
50) 2,6-Dinitrotoluene	13.68	165	502983	43.71	ng #	56
51) Acenaphthene	14.16	154	1663160	41.55	ng	98
52) 3-Nitroaniline	14.01	138	338202	32.33	ng #	43
53) 2,4-Dinitrophenol	14.22	184	698302	87.79	ng #	88
54) Dibenzofuran	14.49	168	2915011	45.02	ng #	89
55) 4-Nitrophenol	14.33	139	725058	79.81	ng #	1
56) 2,4-Dinitrotoluene	14.47	165	725274	45.43	ng #	94
57) Fluorene	15.15	166	2415096	43.39	ng	98
58) 2,3,4,6-Tetrachlorophenol	14.73	232	813796	47.93	ng #	100
59) Diethylphthalate	14.94	149	2511466	43.35	ng	98
60) 4-Chlorophenyl-phenylether	15.15	204	1440374	42.12	ng	96
61) 4-Nitroaniline	15.19	138	461624	42.22	ng #	1
62) Azobenzene	15.44	77	2959258	50.30	ng	88
64) 4,6-Dinitro-2-methylphenol	15.24	198	475978	40.97	ng	93
65) n-Nitrosodiphenylamine	15.37	169	2110523	41.87	ng	97
66) 4-Bromophenyl-phenylether	16.04	248	968697	43.39	ng #	86
67) Hexachlorobenzene	16.16	284	1018068	39.88	ng #	91
68) Atrazine	16.34	200	866704	41.52	ng	96
69) Pentachlorophenol	16.50	266	1292207	78.95	ng	97
70) Phenanthrene	16.89	178	4010640	43.76	ng	100
71) Anthracene	16.98	178	4029002	44.29	ng	99
72) Carbazole	17.26	167	3253953	40.61	ng	100
73) Di-n-butylphthalate	17.84	149	4007711	42.28	ng #	97
74) Fluoranthene	18.92	202	4629054	40.78	ng	97
76) Benzidine	19.12	184	2369052	57.01	ng	99
77) Pyrene	19.29	202	4751431	52.78	ng	100
79) Butylbenzylphthalate	20.22	149	1550176	49.18	ng #	74
80) Benzo(a)anthracene	21.04	228	3982165	44.25	ng	98
81) 3,3'-Dichlorobenzidine	20.99	252	1046712	29.58	ng #	97
82) Chrysene	21.10	228	3658501	42.69	ng	99
83) Bis(2-ethylhexyl)phthalate	21.00	149	2056312	44.80	ng #	99
84) Di-n-octyl phthalate	21.86	149	3070975	40.84	ng	99
85) Indeno(1,2,3-cd)pyrene	25.30	276	3887062	39.56	ng #	100
87) Benzo(b)fluoranthene	22.56	252	3479606	43.50	ng #	92
88) Benzo(k)fluoranthene	22.60	252	3391483	44.39	ng #	94
89) Benzo(a)pyrene	23.10	252	3321708	45.62	ng #	96
90) Dibenzo(a,h)anthracene	25.31	278	3201464	45.30	ng #	91
91) Benzo(g,h,i)perylene	25.94	276	3192324	45.95	ng #	87

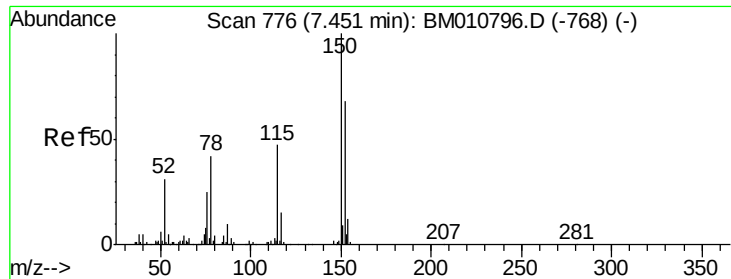
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 7.44 min Scan# 774

Delta R.T. -0.01 min

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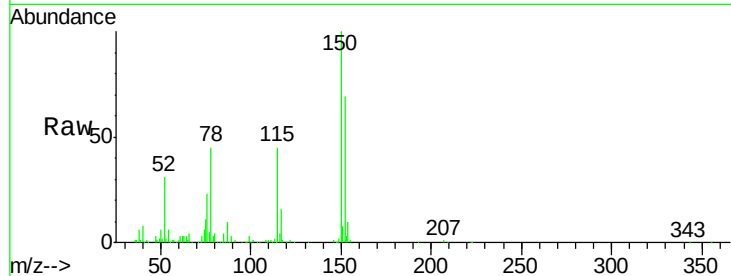
Tgt Ion:152 Resp: 226728

Ion Ratio Lower Upper

152 100

150 144.0 119.5 179.3

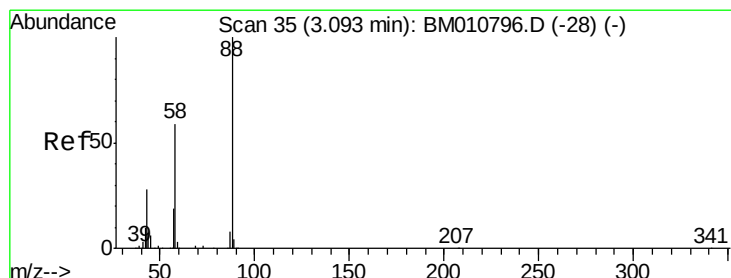
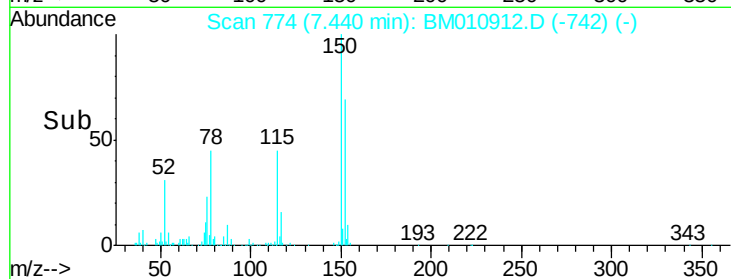
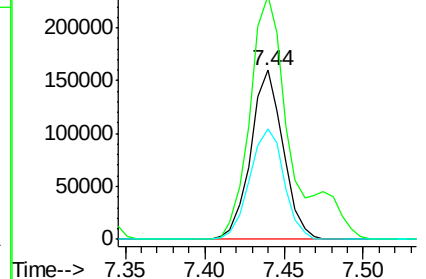
115 65.3 43.0 64.4#



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 115.00 (114.70 to 115.70): E



#2

1,4-Dioxane

Concen: 29.51 ng

RT: 3.09 min Scan# 35

Delta R.T. 0.00 min

Lab File: BM010912.D

Acq: 20 Jul 2017 17:14

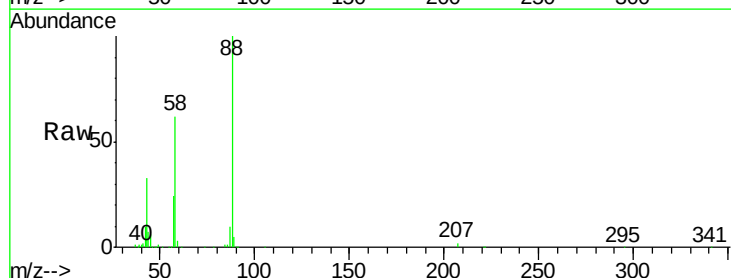
Tgt Ion: 88 Resp: 178214

Ion Ratio Lower Upper

88 100

58 62.7 0.0 0.0#

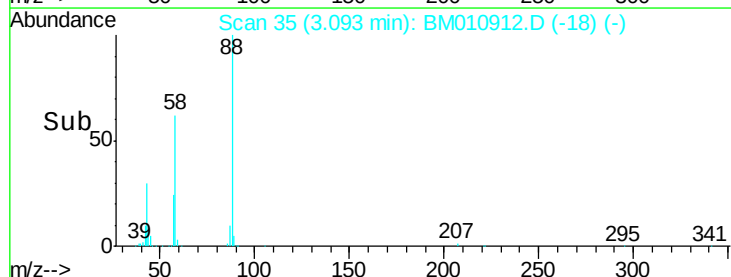
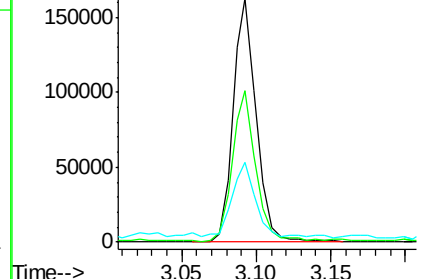
43 31.2 0.0 0.0#

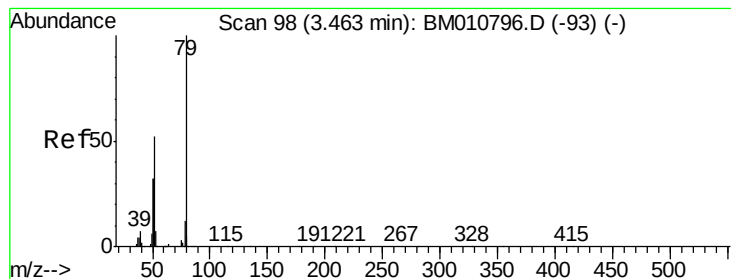


Abundance Ion 88.00 (87.70 to 88.70): BM0

Ion 58.00 (57.70 to 58.70): BM0

Ion 43.00 (42.70 to 43.70): BM0





#3

Pyridine

Concen: 32.67 ng

RT: 3.46 min Scan# 98

Delta R.T. 0.00 min

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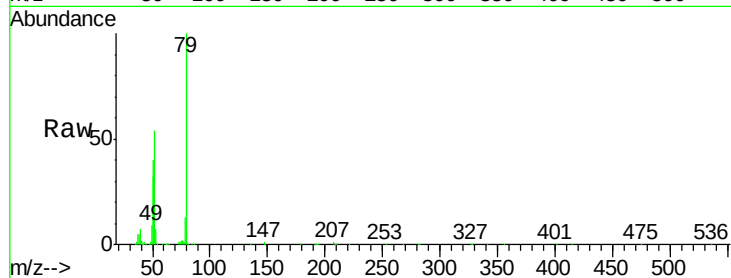
Tgt Ion: 79 Resp: 539406

Ion Ratio Lower Upper

79 100

52 53.7 51.1 76.7

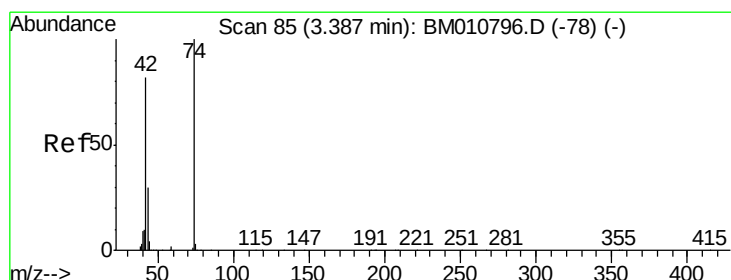
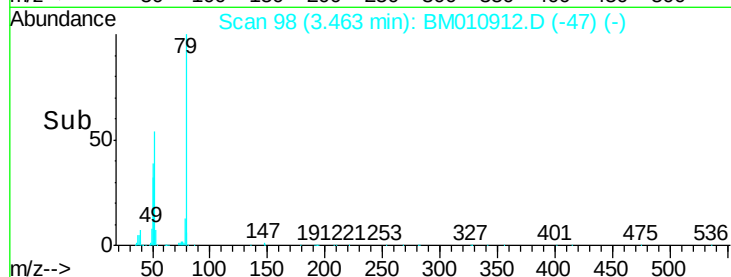
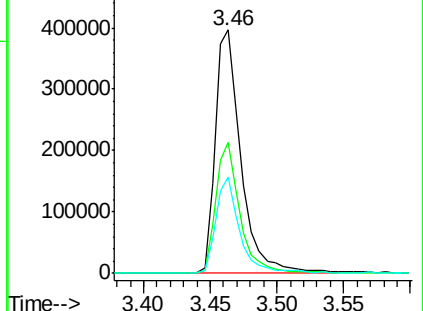
51 39.6 26.1 39.1#



Abundance Ion 79.00 (78.70 to 79.70): BM010796.D (-93) (-)

Ion 52.00 (51.70 to 52.70): BM010796.D (-93) (-)

Ion 51.00 (50.70 to 51.70): BM010796.D (-93) (-)



#4

n-Nitrosodimethylamine

Concen: 40.77 ng

RT: 3.38 min Scan# 84

Delta R.T. -0.01 min

Lab File: BM010912.D

Acq: 20 Jul 2017 17:14

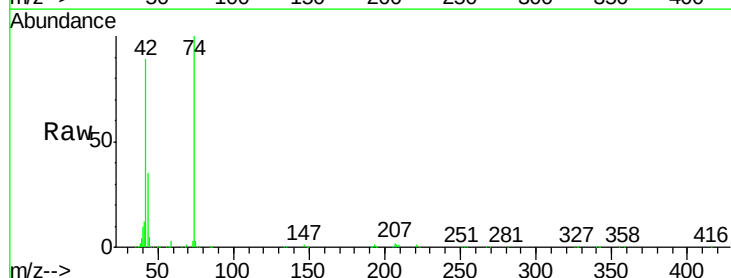
Tgt Ion: 42 Resp: 343981

Ion Ratio Lower Upper

42 100

74 112.1 119.3 178.9#

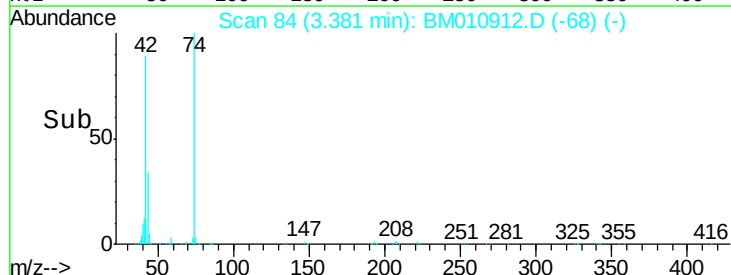
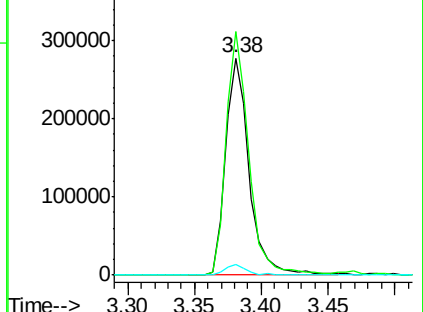
44 5.1 5.4 8.2#

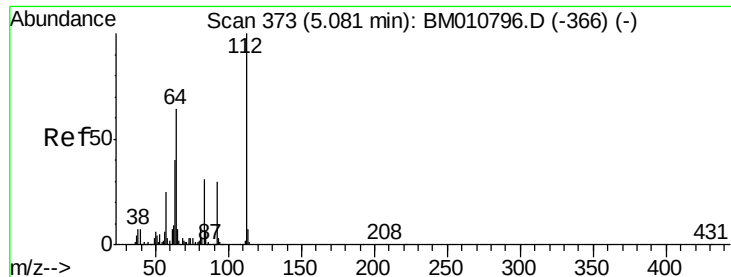


Abundance Ion 42.00 (41.70 to 42.70): BM010796.D (-78) (-)

Ion 74.00 (73.70 to 74.70): BM010796.D (-78) (-)

Ion 44.00 (43.70 to 44.70): BM010796.D (-78) (-)





#5

2-Fluorophenol

Concen: 135.45 ng

RT: 5.08 min Scan# 373

Delta R.T. 0.00 min

Lab File: BM010912.D

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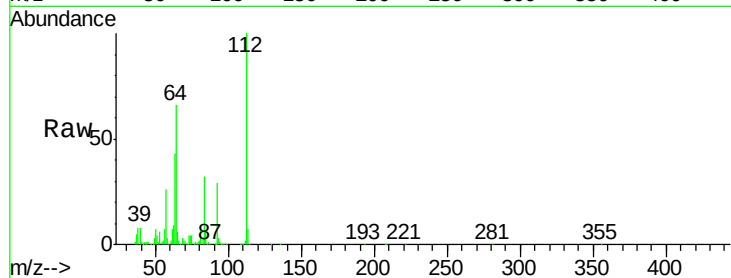
Tgt Ion: 112 Resp: 1853959

Ion Ratio Lower Upper

112 100

64 65.7 38.6 57.8#

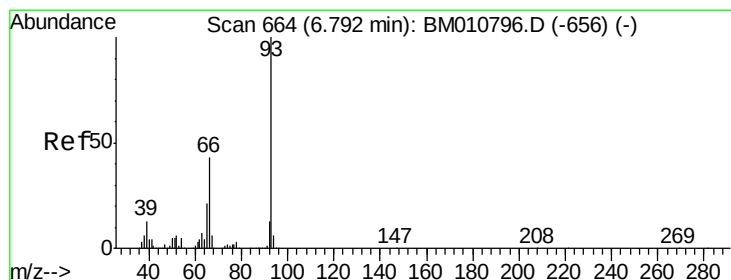
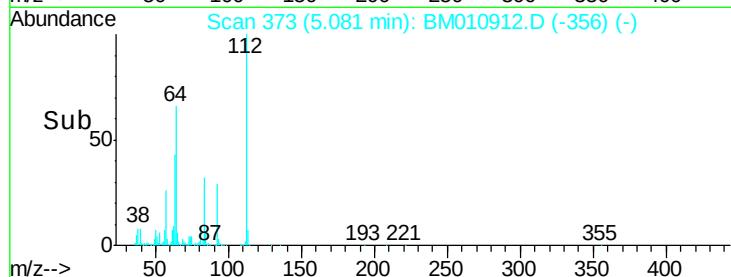
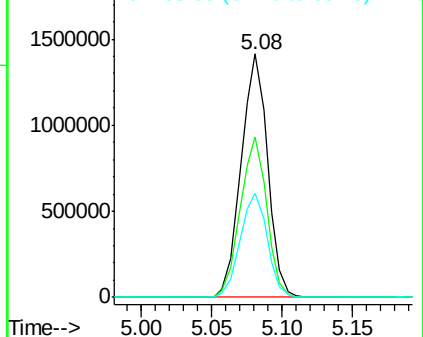
63 42.6 19.3 28.9#



Abundance Ion 112.00 (111.70 to 112.70): B

Ion 64.00 (63.70 to 64.70): B

Ion 63.00 (62.70 to 63.70): B



#6

Aniline

Concen: 35.74 ng

RT: 6.79 min Scan# 663

Delta R.T. -0.01 min

Lab File: BM010912.D

Acq: 20 Jul 2017 17:14

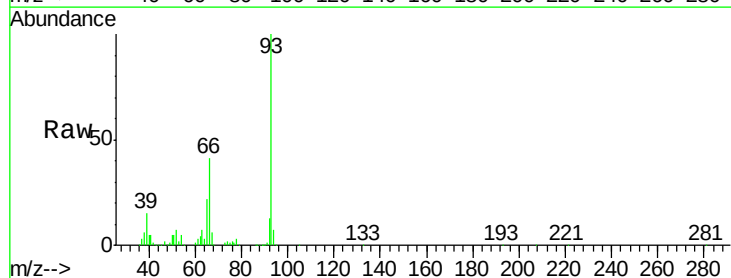
Tgt Ion: 93 Resp: 844831

Ion Ratio Lower Upper

93 100

66 41.2 30.8 46.2

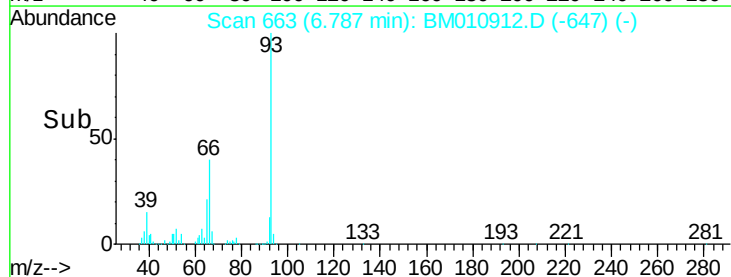
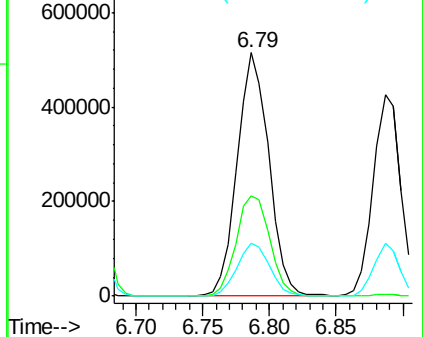
65 22.0 16.0 24.0

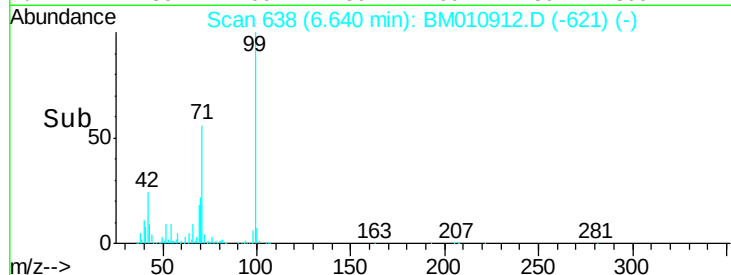
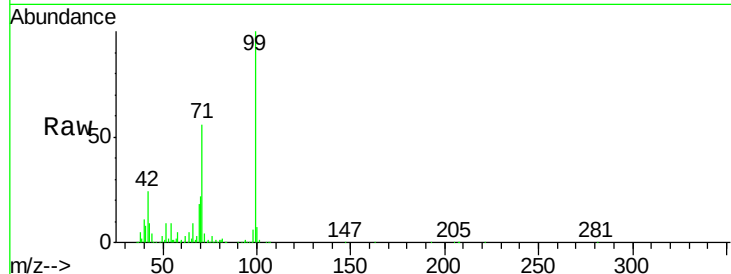
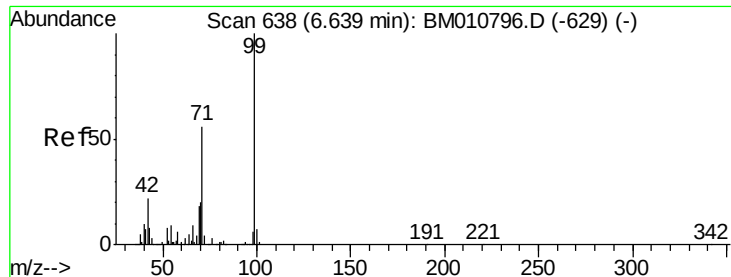


Abundance Ion 93.00 (92.70 to 93.70): B

Ion 66.00 (65.70 to 66.70): B

Ion 65.00 (64.70 to 65.70): B





#7

Phenol-d6

Concen: 131.63 ng

RT: 6.64 min Scan# 638

Delta R.T. 0.00 min

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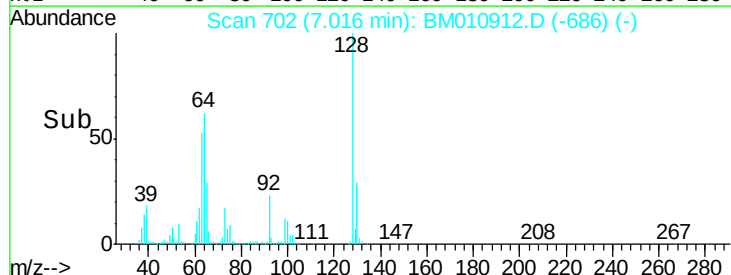
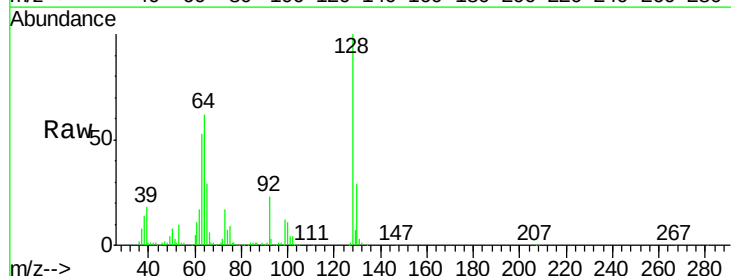
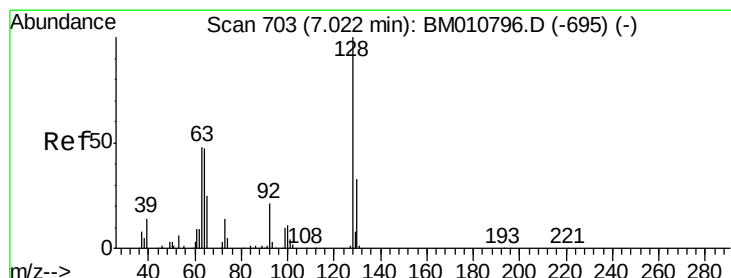
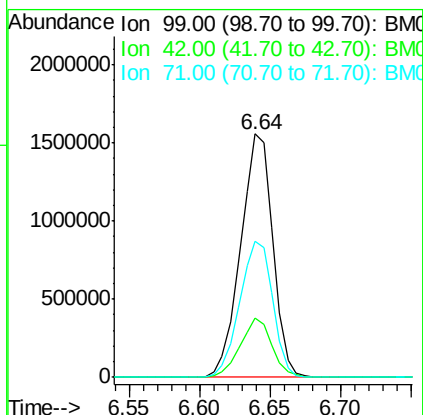
Tgt Ion: 99 Resp: 2483714

Ion Ratio Lower Upper

99 100

42 24.4 11.0 16.4#

71 56.1 23.4 35.2#



#8

2-Chlorophenol

Concen: 42.13 ng

RT: 7.02 min Scan# 702

Delta R.T. -0.01 min

Lab File: BM010912.D

Acq: 20 Jul 2017 17:14

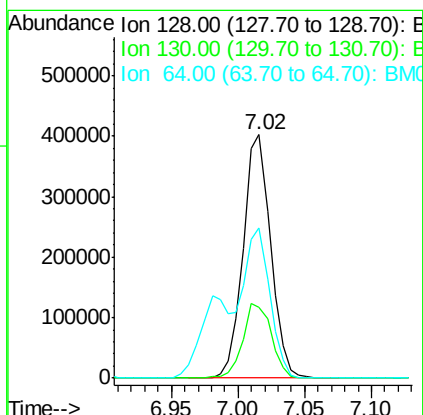
Tgt Ion: 128 Resp: 570978

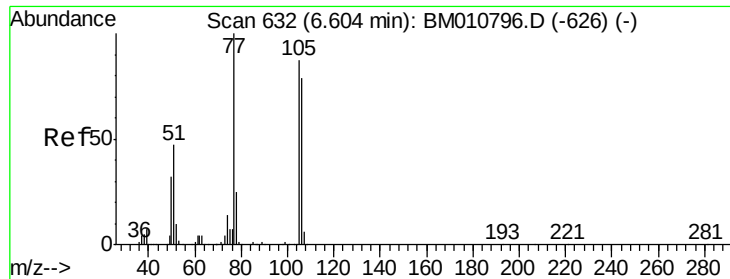
Ion Ratio Lower Upper

128 100

130 29.3 12.0 52.0

64 61.6 24.9 64.9





#9

Benzaldehyde

Concen: 25.36 ng

RT: 6.60 min Scan# 631

Delta R.T. -0.01 min

Lab File: BM010912.D

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BNA_M

ClientSampleId :

PB100784BS

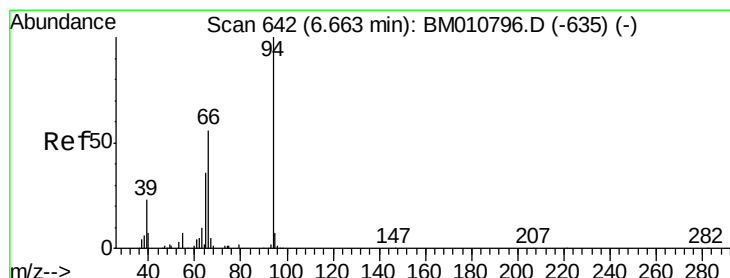
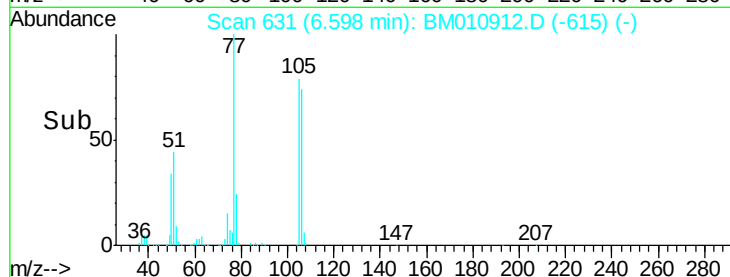
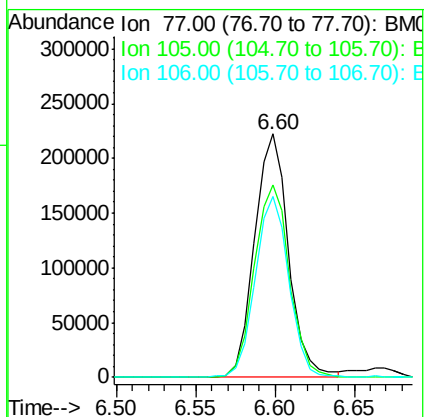
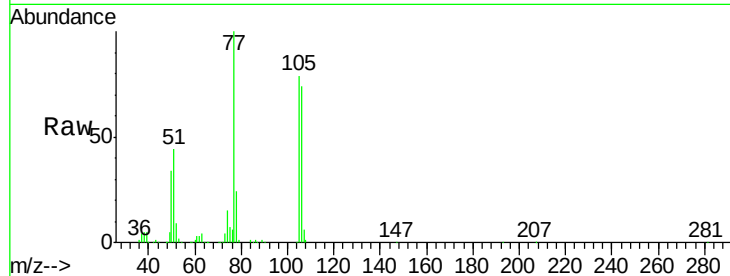
Tgt Ion: 77 Resp: 332205

Ion Ratio Lower Upper

77 100

105 79.0 78.8 118.8

106 74.1 73.7 113.7



#10

Phenol

Concen: 43.20 ng

RT: 6.67 min Scan# 643

Delta R.T. 0.01 min

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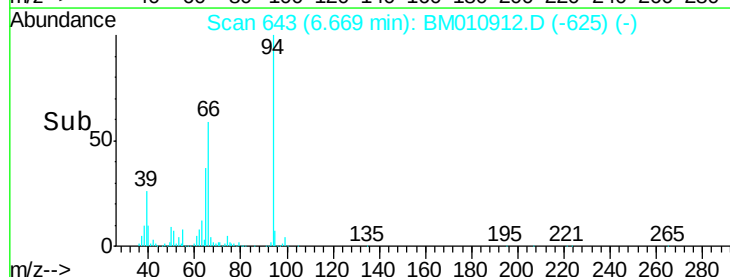
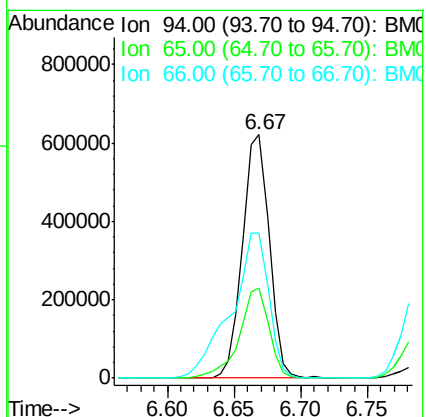
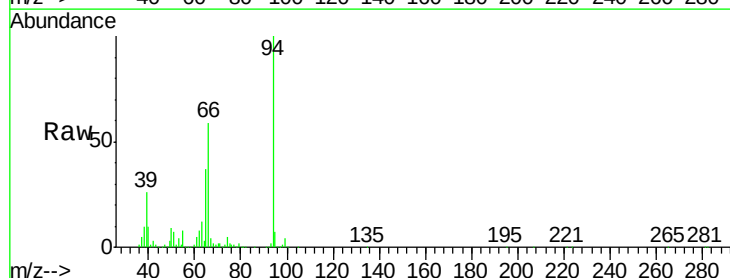
Tgt Ion: 94 Resp: 861909

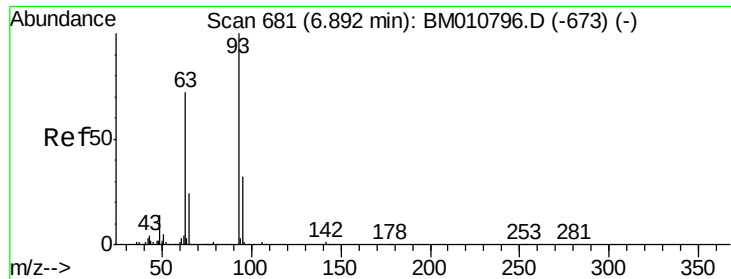
Ion Ratio Lower Upper

94 100

65 37.0 18.8 58.8

66 59.4 39.9 79.9

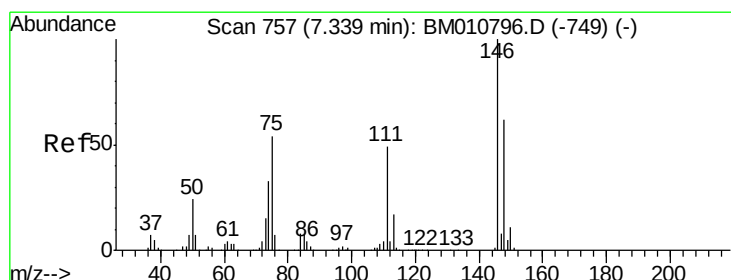
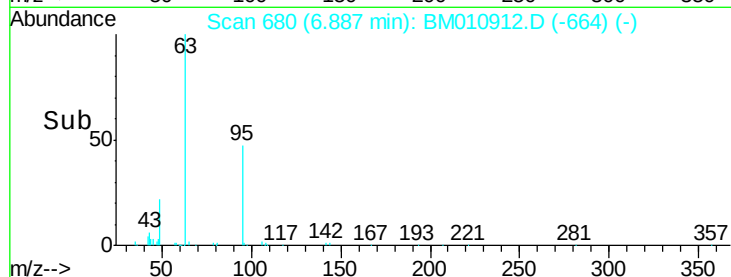
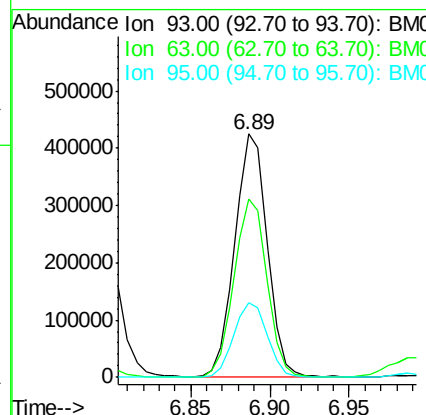
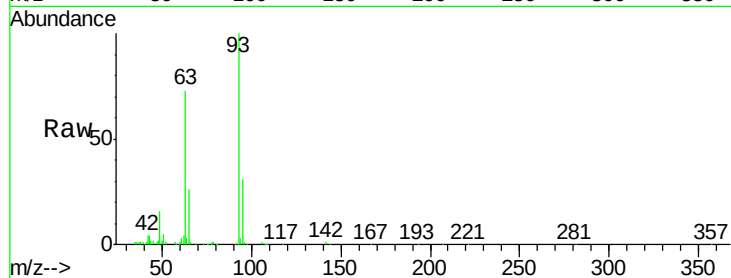




#11
bis(2-Chloroethyl)ether
Concen: 39.09 ng
RT: 6.89 min Scan# 680
Delta R.T. -0.01 min
Lab File: BM010912.D
Acq: 20 Jul 2017 17:14

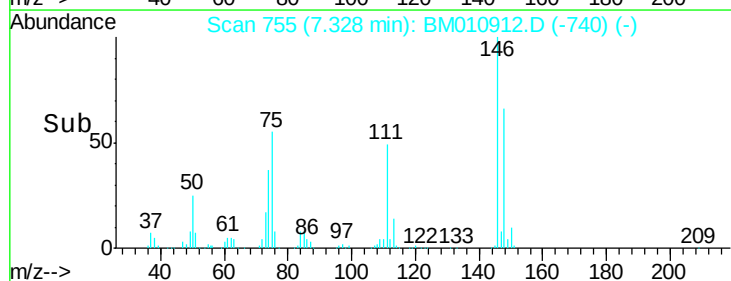
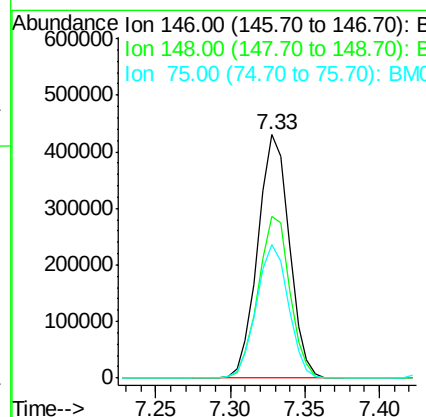
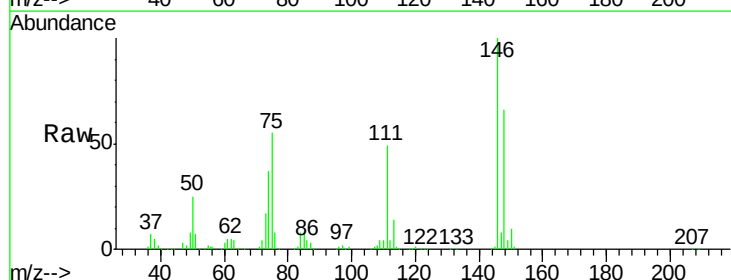
Instrument :
BNA_M
ClientSampleId :
PB100784BS

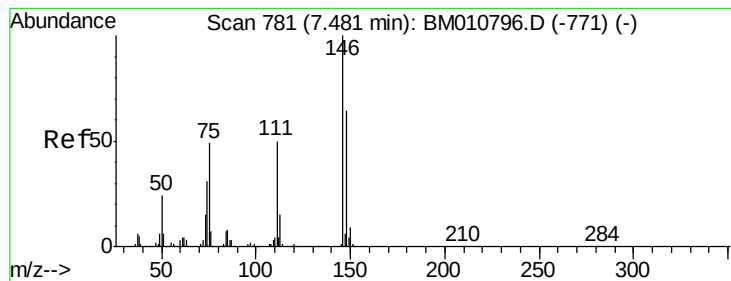
Tgt Ion: 93 Resp: 600610
Ion Ratio Lower Upper
93 100
63 73.4 49.5 89.5
95 30.8 13.5 53.5



#12
1,3-Dichlorobenzene
Concen: 37.36 ng
RT: 7.33 min Scan# 755
Delta R.T. -0.01 min
Lab File: BM010912.D
Acq: 20 Jul 2017 17:14

Tgt Ion: 146 Resp: 625669
Ion Ratio Lower Upper
146 100
148 66.3 50.9 76.3
75 54.9 21.4 32.2#





#13

1,4-Dichlorobenzene

Concen: 37.06 ng

RT: 7.47 min Scan# 780

Delta R.T. -0.01 min

Lab File: BM010912.D

Acq: 20 Jul 2017 17:14

Instrument :

BNA_M

ClientSampleId :

PB100784BS

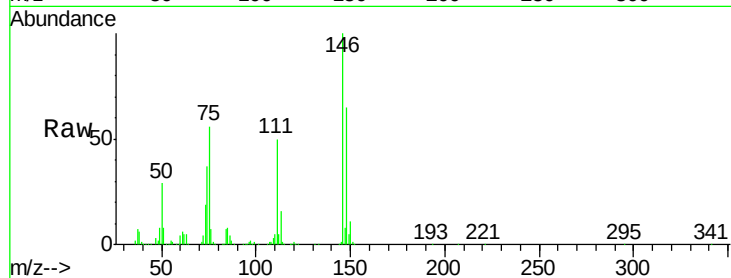
Tgt Ion:146 Resp: 640562

Ion Ratio Lower Upper

146 100

148 65.4 51.9 77.9

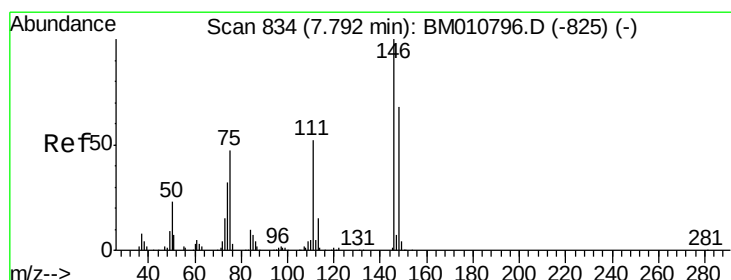
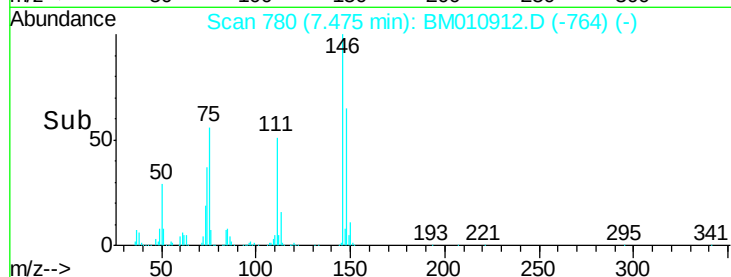
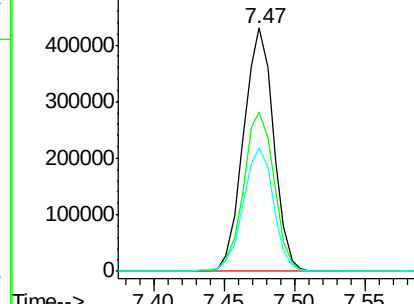
111 50.5 29.2 43.8#



Abundance Ion 146.00 (145.70 to 146.70): E

Ion 148.00 (147.70 to 148.70): E

Ion 111.00 (110.70 to 111.70): E



#14

1,2-Dichlorobenzene

Concen: 38.31 ng

RT: 7.79 min Scan# 833

Delta R.T. -0.01 min

Lab File: BM010912.D

Acq: 20 Jul 2017 17:14

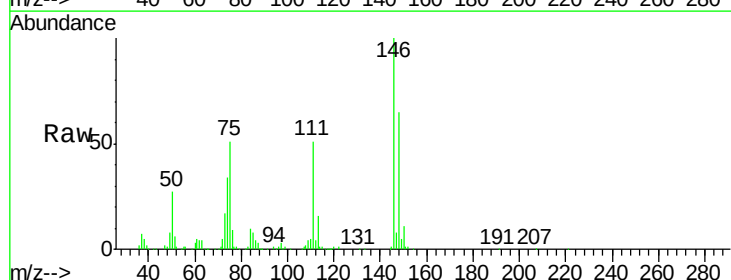
Tgt Ion:146 Resp: 630863

Ion Ratio Lower Upper

146 100

148 64.9 52.3 78.5

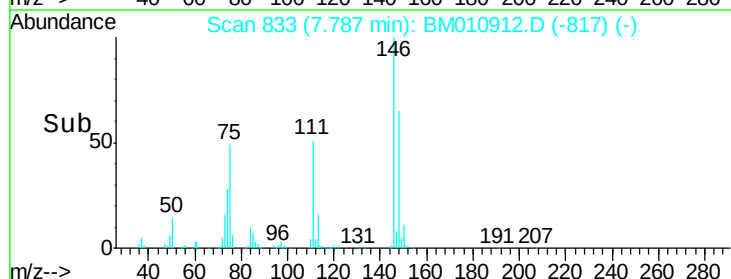
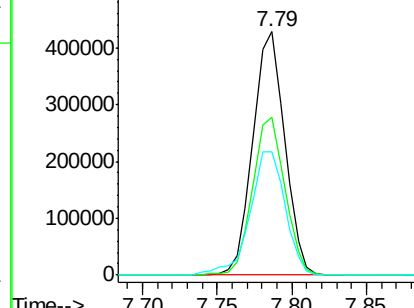
111 50.8 30.6 45.8#

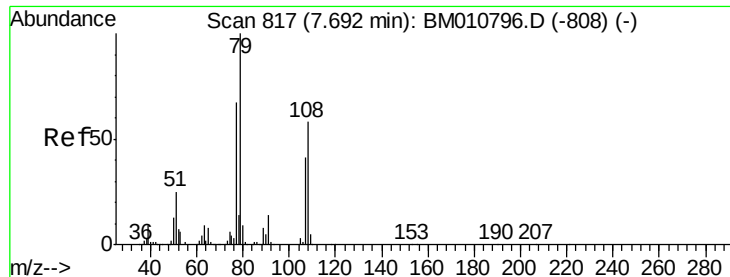


Abundance Ion 146.00 (145.70 to 146.70): E

Ion 148.00 (147.70 to 148.70): E

Ion 111.00 (110.70 to 111.70): E





#15

Benzyl Alcohol

Concen: 44.69 ng

RT: 7.69 min Scan# 816

Delta R.T. -0.01 min

Lab File: BM010912.D

Acq: 20 Jul 2017 17:14

Instrument :

BNA_M

ClientSampleId :

PB100784BS

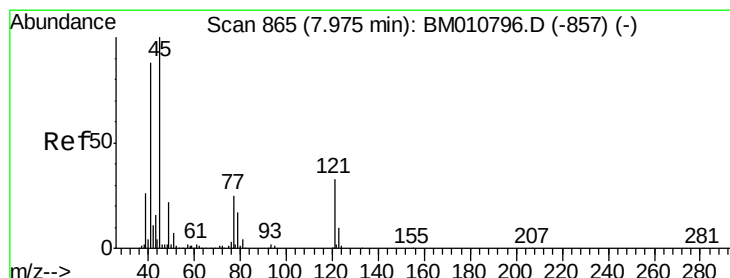
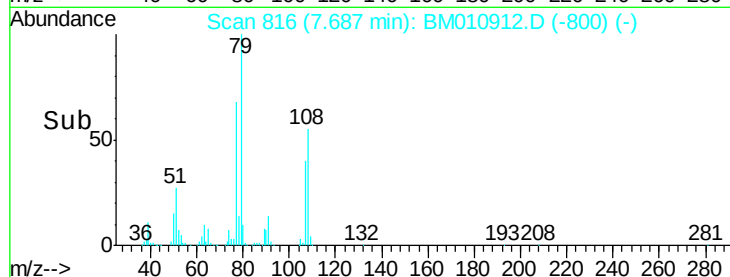
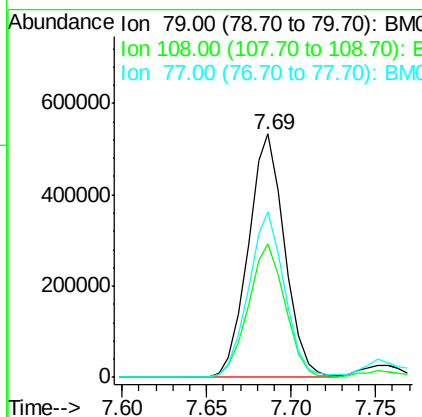
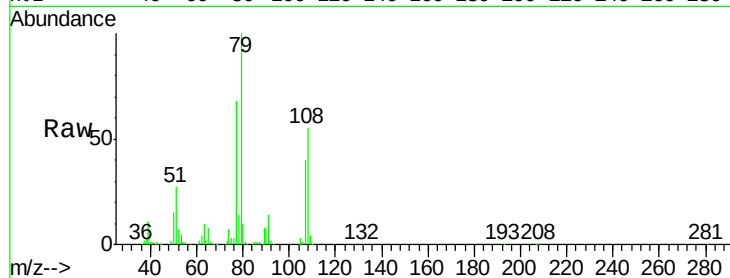
Tgt Ion: 79 Resp: 798462

Ion Ratio Lower Upper

79 100

108 55.0 65.0 97.4#

77 67.9 53.0 79.6



#16

2,2'-oxybis(1-Chloropropane)

Concen: 41.45 ng

RT: 7.97 min Scan# 865

Delta R.T. 0.00 min

Lab File: BM010912.D

Acq: 20 Jul 2017 17:14

Tgt Ion: 45 Resp: 552099

Ion Ratio Lower Upper

45 100

77 26.8 0.0 35.2

79 16.1 0.0 32.0

