

Data Path : Z:\HPCHEM1\BNA M\DATA\BM051917\
 Data File : BM010090.D
 Acq On : 20 May 2017 03:49
 Operator : SJ/MA
 Sample : I3177-01
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 NORTH-A

Quant Time: May 20 05:00:32 2017
 Quant Method : Z:\HPCHEM1\BNA M\METHODS\8270-BM051917.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Sat May 20 04:25:49 2017
 Response via : Initial Calibration

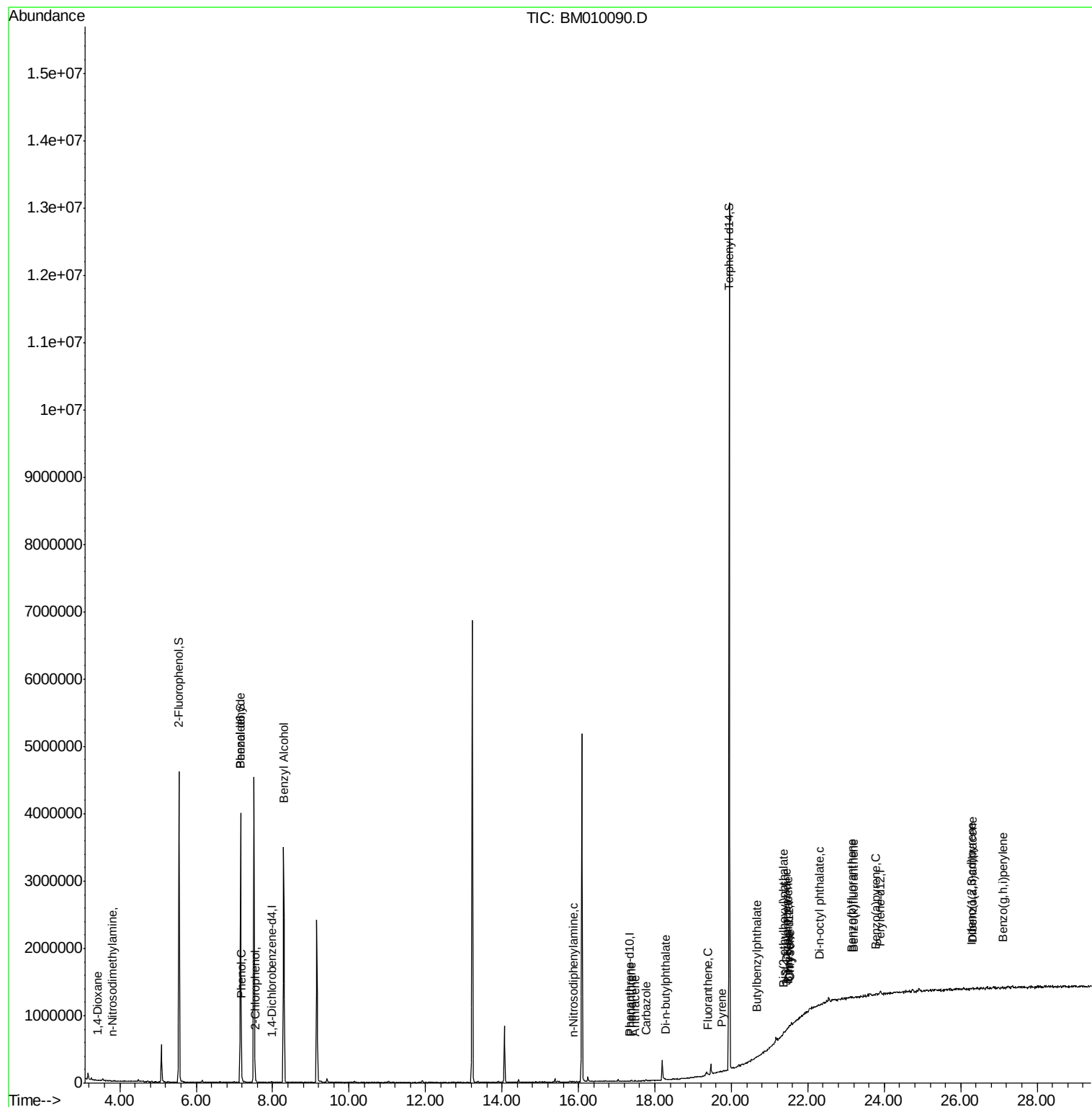
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.98	152	2943	20.00	ng	0.00
21) Naphthalene-d8	0.00	136	0	0.00	ng	-10.79
38) Acenaphthene-d10	0.00	164	0	0.00	ng	-14.61
63) Phenanthrene-d10	17.35	188	125	20.00	ng	0.00
75) Chrysene-d12	21.50	240	1065	20.00	ng	0.00
86) Perylene-d12	23.89	264	157	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.55	112	1730280	10617.13	ng	0.00
7) Phenol-d6	7.16	99	2166352	10330.51	ng	0.00
23) Nitrobenzene-d5	9.16	82	1368598	0.00	ng	-0.01
41) 2,4,6-Tribromophenol	16.09	330	945181	0.00	ng	0.00
44) 2-Fluorobiphenyl	13.22	172	3377079	0.00	ng	-0.01
78) Terphenyl-d14	19.94	244	5175300	110494.12	ng	0.00
Target Compounds						
2) 1,4-Dioxane	3.43	88	260	3.47	ng	# 100
4) n-Nitrosodimethylamine	3.80	42	822	11.34	ng	# 16
8) 2-Chlorophenol	7.55	128	1476	8.32	ng	# 25
9) Benzaldehyde	7.16	77	7663	58.70	ng	# 20
10) Phenol	7.19	94	46945	212.42	ng	# 95
15) Benzyl Alcohol	8.29	79	29530	186.12	ng	# 41
65) n-Nitrosodiphenylamine	15.87	169	548	146.28	ng	# 76
70) Phenanthrene	17.39	178	3125	446.83	ng	# 72
71) Anthracene	17.48	178	765	110.22	ng	# 61
72) Carbazole	17.77	167	1974	321.23	ng	# 61
73) Di-n-butylphthalate	18.29	149	3480	477.65	ng	# 66
74) Fluoranthene	19.39	202	5040	555.03	ng	# 95
77) Pyrene	19.76	202	4519	79.14	ng	# 81
79) Butylbenzylphthalate	20.66	149	1286	60.84	ng	# 58
80) Benzo(a)anthracene	21.48	228	2377	40.50	ng	# 85
81) 3,3'-Dichlorobenzidine	21.44	252	1017	43.08	ng	# 52
82) Chrysene	21.54	228	3138	56.37	ng	# 55
83) Bis(2-ethylhexyl)phthalate	21.37	149	4382	138.63	ng	# 82
84) Di-n-octyl phthalate	22.32	149	640	11.31	ng	# 9
85) Indeno(1,2,3-cd)pyrene	26.27	276	1757	21.52	ng	# 100
87) Benzo(b)fluoranthene	23.16	252	5476	595.97	ng	# 1
88) Benzo(k)fluoranthene	23.20	252	3747	416.23	ng	# 1
89) Benzo(a)pyrene	23.78	252	1579	180.34	ng	# 1
90) Dibenzo(a,h)anthracene	26.30	278	1087	111.02	ng	# 1
91) Benzo(g,h,i)perylene	27.10	276	375	39.09	ng	# 1

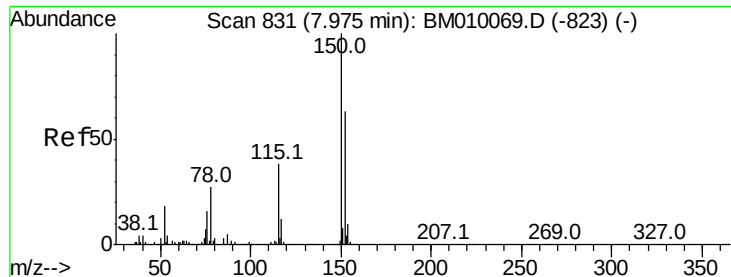
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 7.98 min Scan# 831

Delta R.T. 0.00 min

Lab File: BM010090.D

Acq: 20 May 2017 03:49

Instrument :

BNA_M

ClientSampled :

NORTH-A

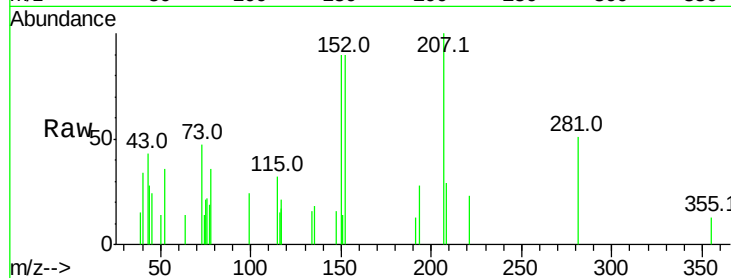
Tot Ion:152 Resp: 2943

Ion Ratio Lower Upper

152 100

150 100.8 119.5 179.3#

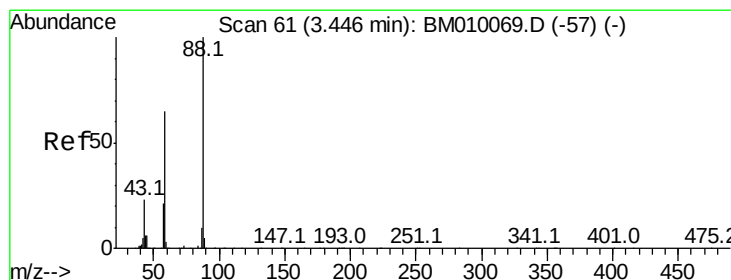
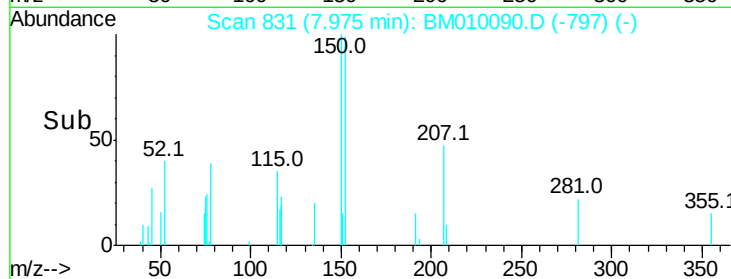
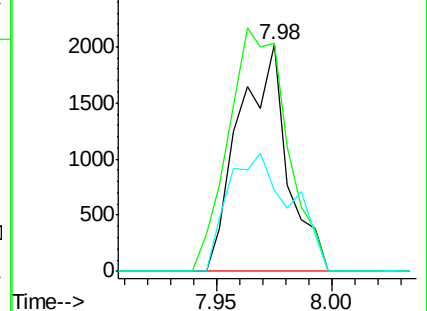
115 35.7 43.0 64.4#



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: 3.47 ng

RT: 3.43 min Scan# 59

Delta R.T. -0.01 min

Lab File: BM010090.D

Acq: 20 May 2017 03:49

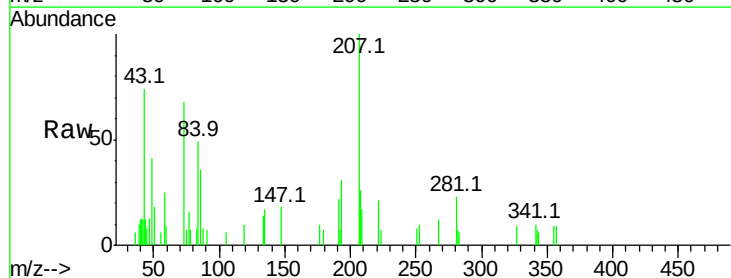
Tgt Ion: 88 Resp: 260

Ion Ratio Lower Upper

88 100

58 501.9 0.0 0.0#

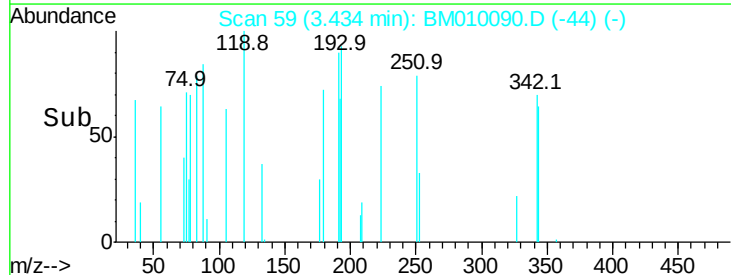
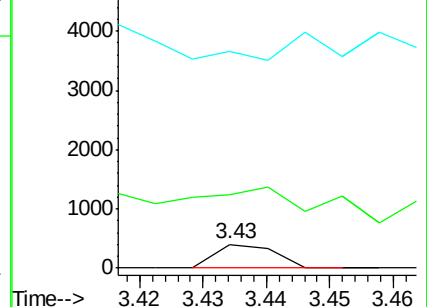
43 154.6 0.0 0.0#

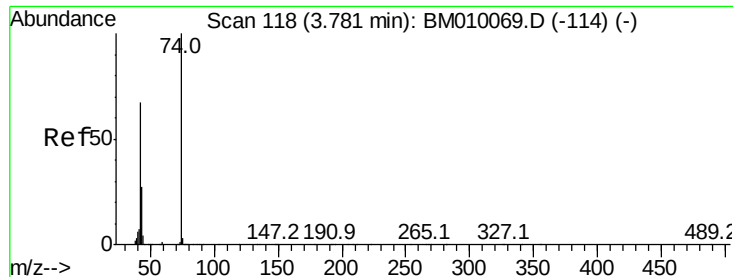


Abundance Ion 88.00 (87.70 to 88.70): BM0

Ion 58.00 (57.70 to 58.70): BM0

Ion 43.00 (42.70 to 43.70): BM0





#4

n-Nitrosodimethylamine

Concen: 11.34 ng

RT: 3.80 min Scan# 121

Delta R.T. 0.02 min

Lab File: BM010090.D

Acq: 20 May 2017 03:49

Instrument :

BNA_M

ClientSampleId :

NORTH-A

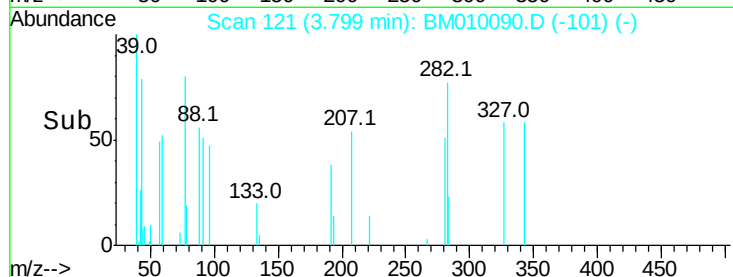
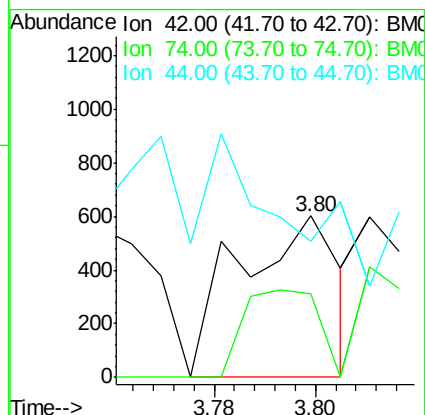
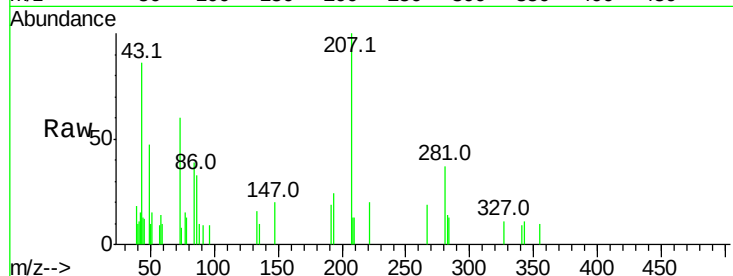
Tot Ion: 42 Resp: 822

Ion Ratio Lower Upper

42 100

74 51.7 119.3 178.9#

44 84.4 5.4 8.2#



#5

2-Fluorophenol

Concen: 10617.13 ng

RT: 5.55 min Scan# 419

Delta R.T. -0.01 min

Lab File: BM010090.D

Acq: 20 May 2017 03:49

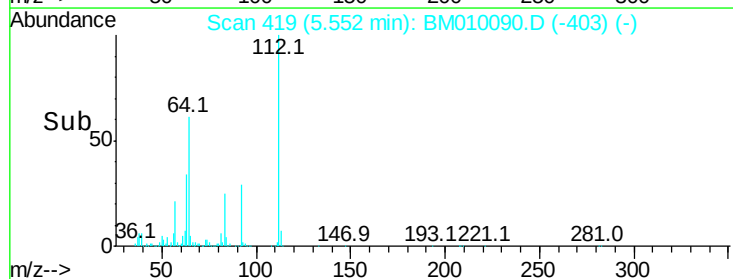
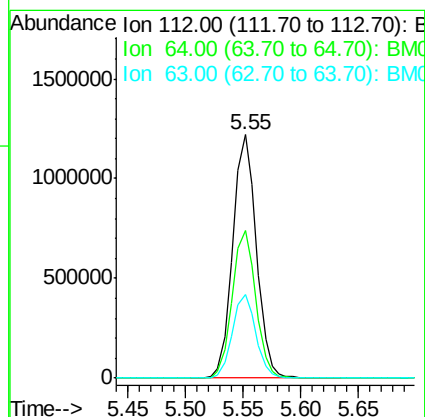
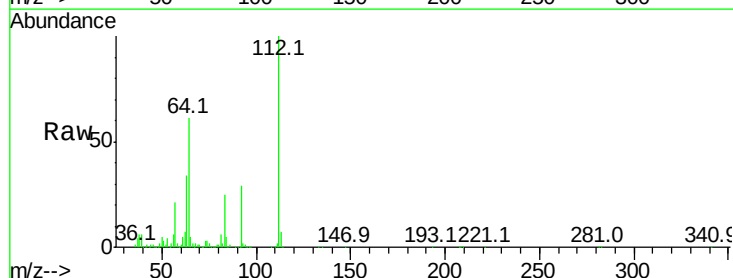
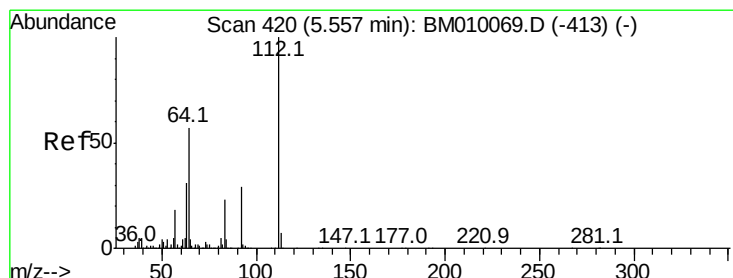
Tgt Ion: 112 Resp: 1730280

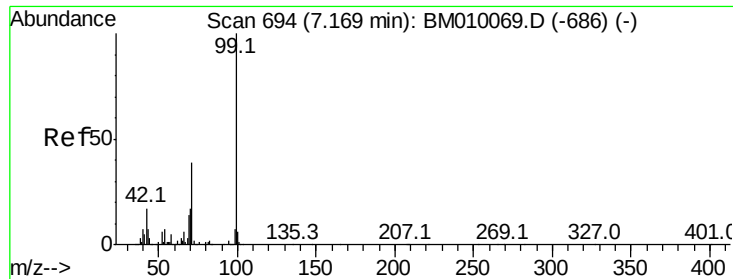
Ion Ratio Lower Upper

112 100

64 60.6 38.6 57.8#

63 34.1 19.3 28.9#





#7

Phenol-d6

Concen: 10330.51 ng

RT: 7.16 min Scan# 693

Delta R.T. -0.01 min

Lab File: BM010090.D

Acq: 20 May 2017 03:49

Instrument :

BNA_M

ClientSampleId :

NORTH-A

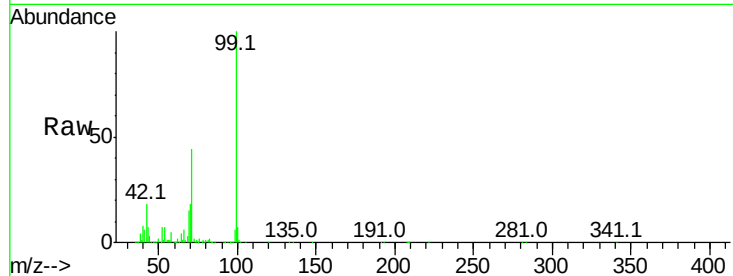
Tot Ion: 99 Resp: 2166352

Ion Ratio Lower Upper

99 100

42 17.6 11.0 16.4#

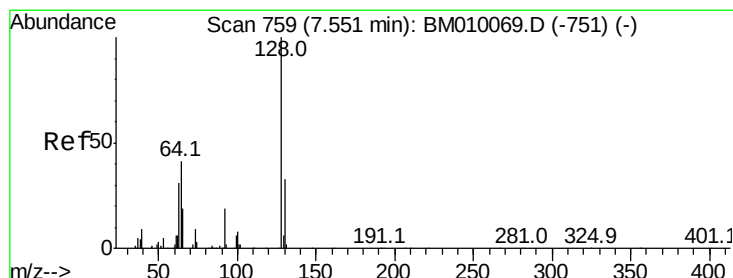
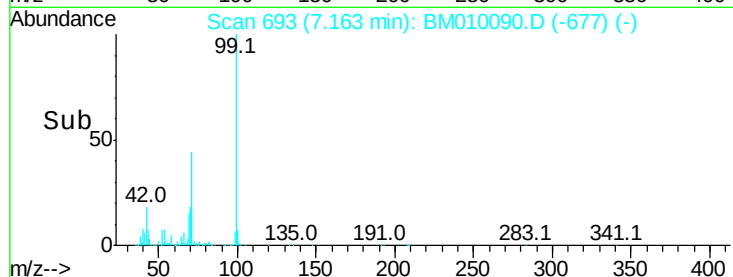
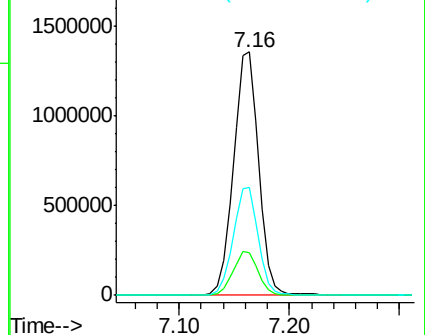
71 44.2 23.4 35.2#



Abundance Ion 99.00 (98.70 to 99.70): BM010069.D (-686) (-)

Ion 42.00 (41.70 to 42.70): BM010069.D (-686) (-)

Ion 71.00 (70.70 to 71.70): BM010069.D (-686) (-)



#8

2-Chlorophenol

Concen: 8.32 ng

RT: 7.55 min Scan# 758

Delta R.T. -0.01 min

Lab File: BM010090.D

Acq: 20 May 2017 03:49

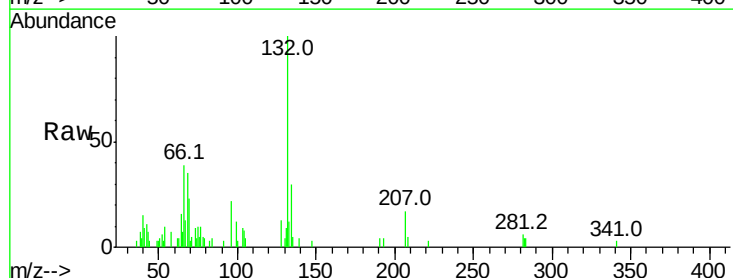
Tgt Ion: 128 Resp: 1476

Ion Ratio Lower Upper

128 100

130 30.5 12.0 52.0

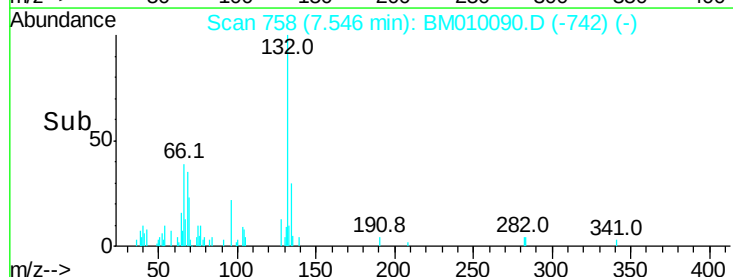
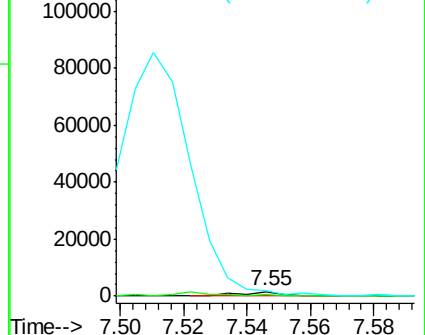
64 127.0 24.9 64.9#

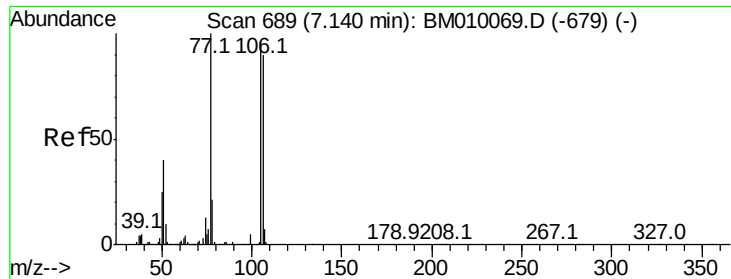


Abundance Ion 128.00 (127.70 to 128.70): BM010069.D (-751) (-)

Ion 130.00 (129.70 to 130.70): BM010069.D (-751) (-)

Ion 64.00 (63.70 to 64.70): BM010069.D (-751) (-)





#9

Benzaldehyde

Concen: 58.70 ng

RT: 7.16 min Scan# 692

Delta R.T. 0.02 min

Lab File: BM010090.D

Acq: 20 May 2017 03:49

Instrument :

BNA_M

ClientSampleId :

NORTH-A

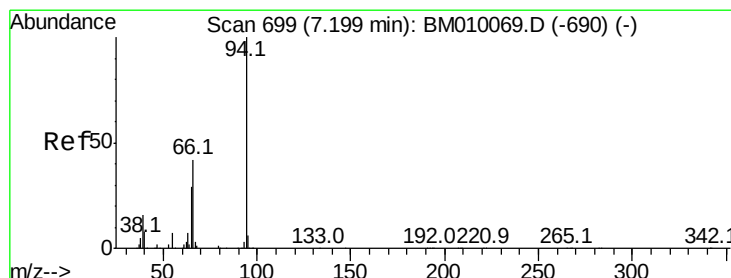
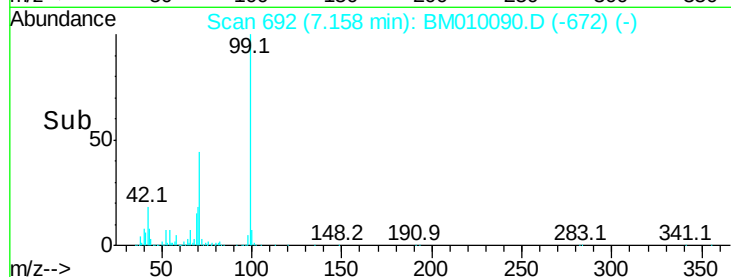
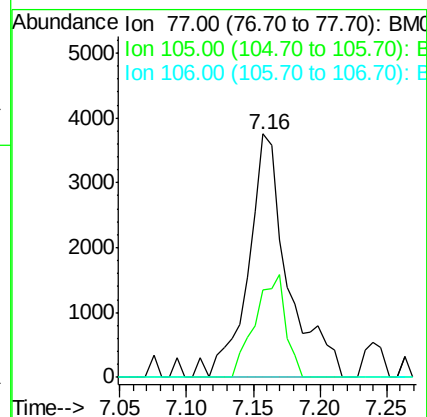
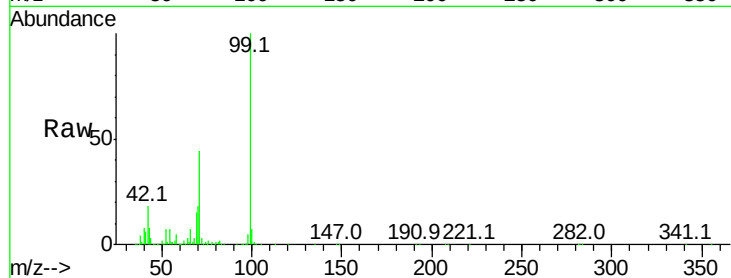
Tot Ion: 77 Resp: 7663

Ion Ratio Lower Upper

77 100

105 35.8 78.8 118.8#

106 0.0 73.7 113.7#



#10

Phenol

Concen: 212.42 ng

RT: 7.19 min Scan# 697

Delta R.T. -0.01 min

Lab File: BM010090.D

Acq: 20 May 2017 03:49

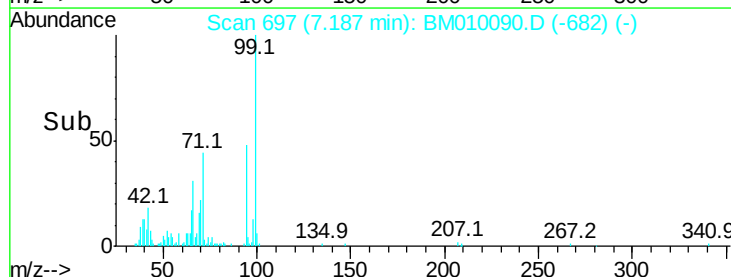
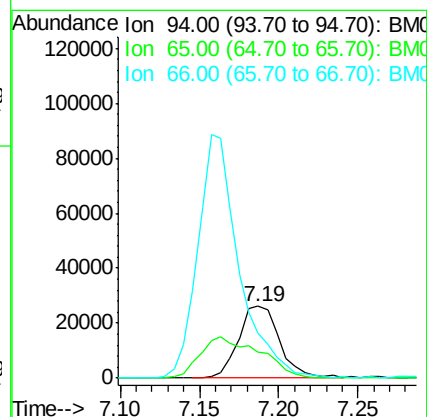
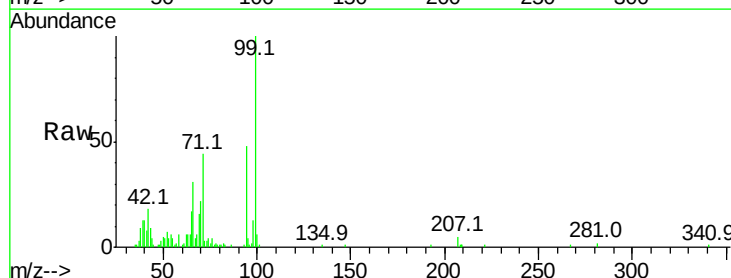
Tgt Ion: 94 Resp: 46945

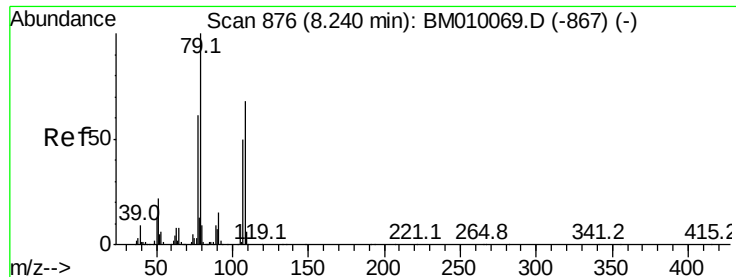
Ion Ratio Lower Upper

94 100

65 36.0 18.8 58.8

66 63.7 39.9 79.9





#15

Benzyl Alcohol

Concen: 186.12 ng

RT: 8.29 min Scan# 884

Delta R.T. 0.05 min

Lab File: BM010090.D

Acq: 20 May 2017 03:49

Instrument :

BNA_M

ClientSampleId :

NORTH-A

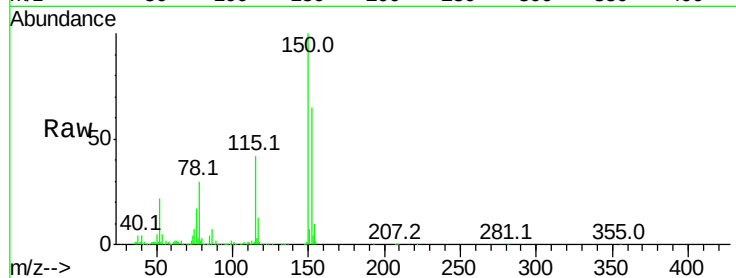
Tot Ion: 79 Resp: 29530

Ion Ratio Lower Upper

79 100

108 40.2 65.0 97.4#

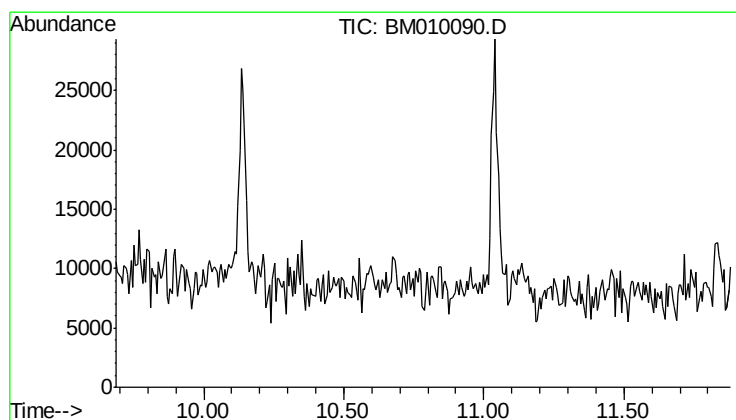
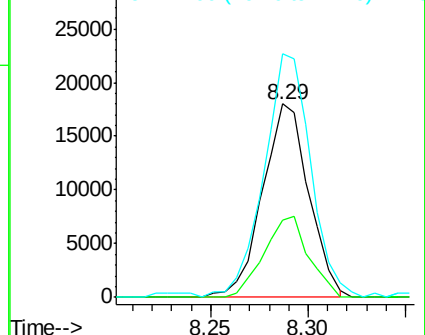
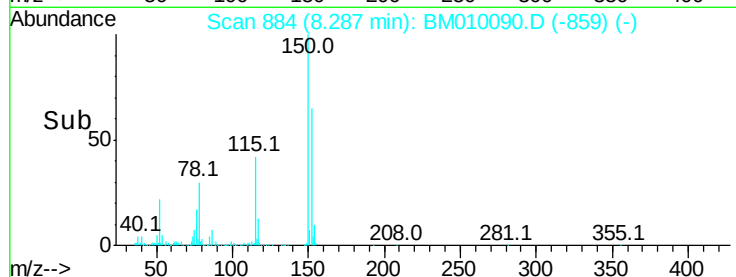
77 126.0 53.0 79.6#



Abundance Ion 79.00 (78.70 to 79.70): BM010090.D

Ion 108.00 (107.70 to 108.70): BM010090.D

Ion 77.00 (76.70 to 77.70): BM010090.D



#21

Naphthalene-d8

Concen: 0.00 ng

Expected RT: 10.79 min

Lab File: BM010090.D

Acq: 20 May 2017 03:49

Tgt Ion: 136

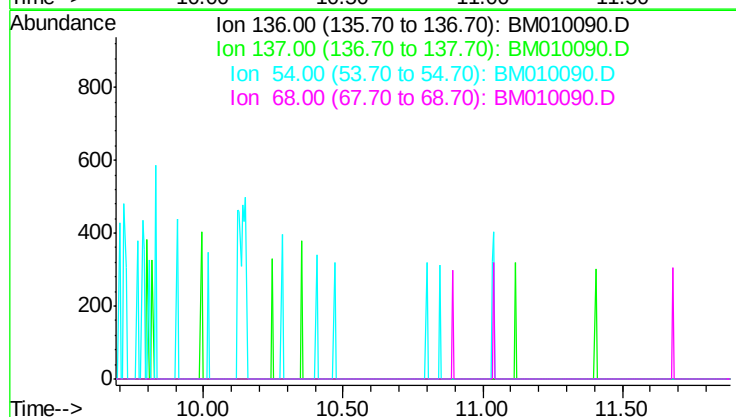
Sig Exp Ratio

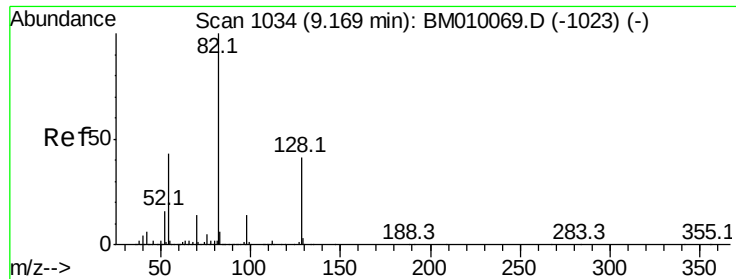
136 100

137 10.9

54 5.7

68 4.6





#23

Nitrobenzene-d5

Concen: 0.00 ng

RT: 9.16 min Scan# 1032

Delta R.T. -0.01 min

Lab File: BM010090.D

Acq: 20 May 2017 03:49

Instrument :

BNA_M

ClientSampleId :

NORTH-A

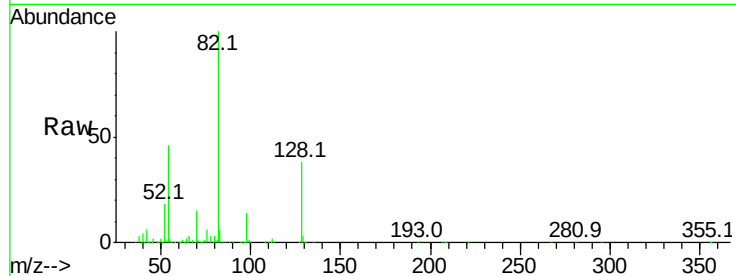
Tot Ion: 82 Resp: 1368598

Ion Ratio Lower Upper

82 100

128 38.2 32.8 49.2

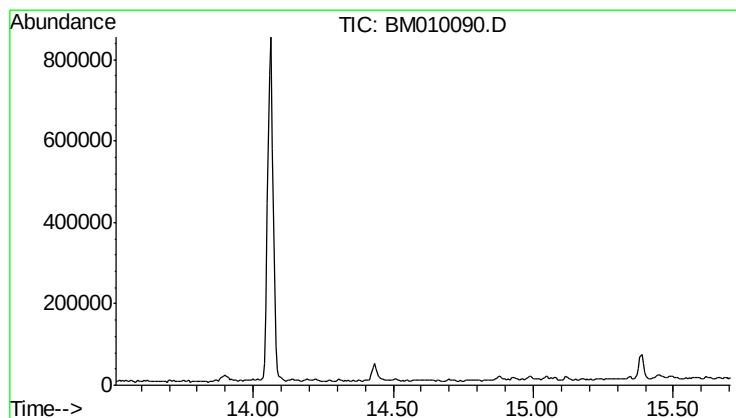
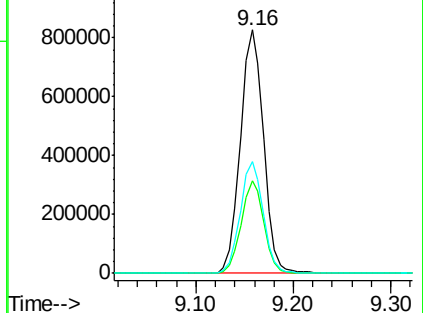
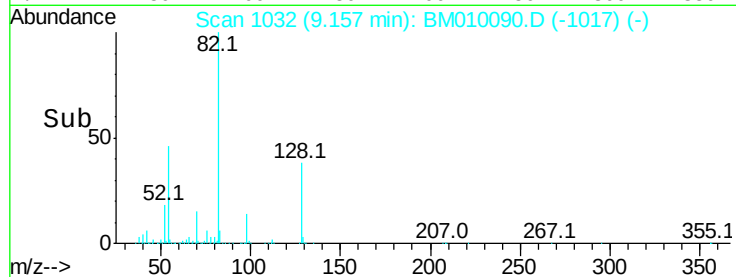
54 46.0 40.6 60.8



Abundance Ion 82.00 (81.70 to 82.70): BM010090.D

Ion 128.00 (127.70 to 128.70): BM010090.D

Ion 54.00 (53.70 to 54.70): BM010090.D



#38

Acenaphthene-d10

Concen: 0.00 ng

Expected RT: 14.61 min

Lab File: BM010090.D

Acq: 20 May 2017 03:49

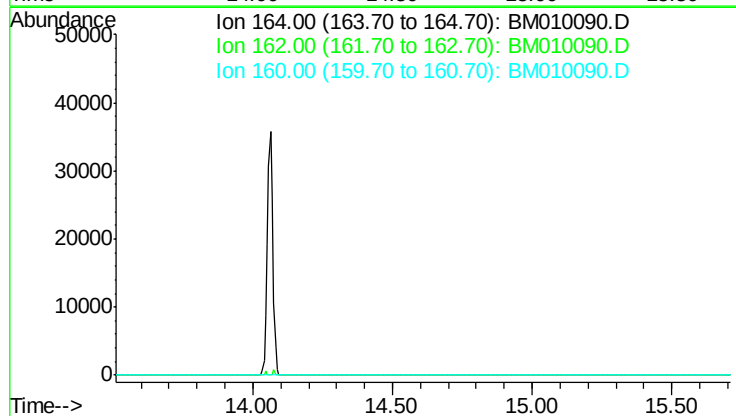
Tgt Ion: 164

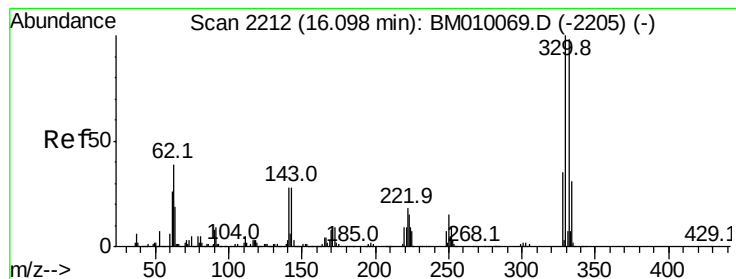
Sig Exp Ratio

164 100

162 103.0

160 44.7

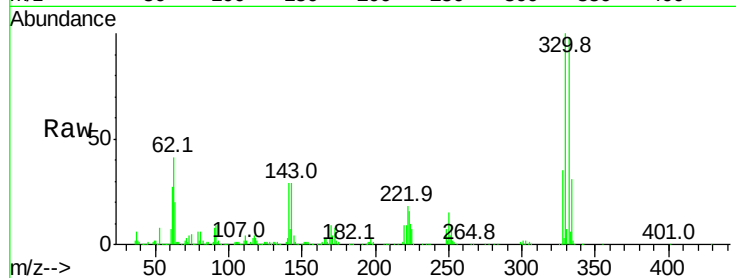




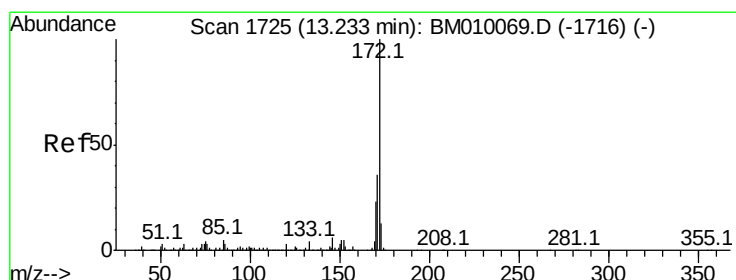
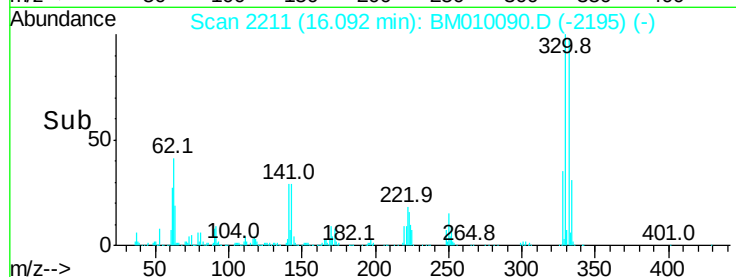
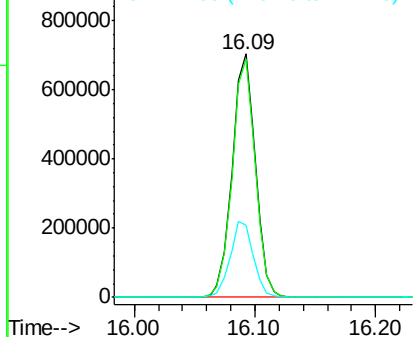
#41
2,4,6-Tribromophenol
Concen: 0.00 ng
RT: 16.09 min Scan# 2211
Delta R.T. -0.01 min
Lab File: BM010090.D
Acq: 20 May 2017 03:49

Instrument :
BNA_M
ClientSampleId :
NORTH-A

Tot Ion:330 Resp: 945181
Ion Ratio Lower Upper
330 100
332 97.1 0.0 0.0#
141 31.1 0.0 0.0#

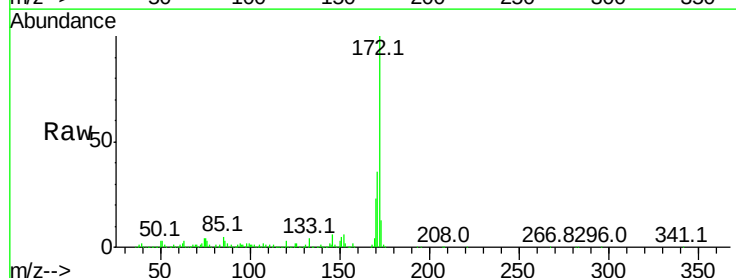


Abundance Ion 329.80 (329.50 to 330.50): E
Ion 331.80 (331.50 to 332.50): E
Ion 141.00 (140.70 to 141.70): E

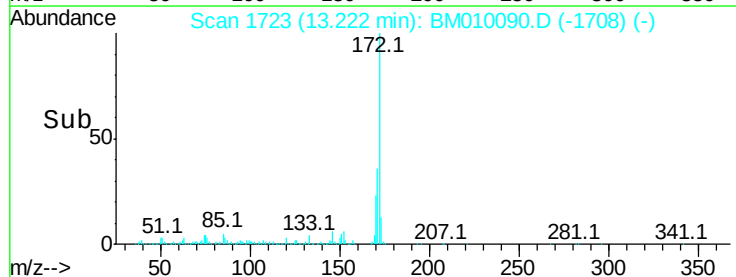
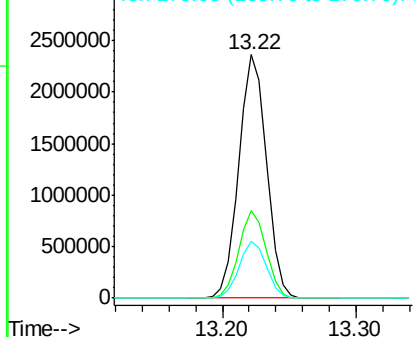


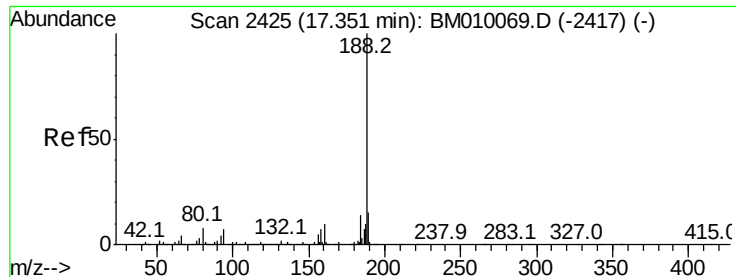
#44
2-Fluorobiphenyl
Concen: 0.00 ng
RT: 13.22 min Scan# 1723
Delta R.T. -0.01 min
Lab File: BM010090.D
Acq: 20 May 2017 03:49

Tgt Ion:172 Resp: 3377079
Ion Ratio Lower Upper
172 100
171 35.9 28.5 42.7
170 23.3 18.8 28.2



Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E





#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 17.35 min Scan# 2424

Delta R.T. -0.01 min

Lab File: BM010090.D

Acq: 20 May 2017 03:49

Instrument :

BNA_M

ClientSampleId :

NORTH-A

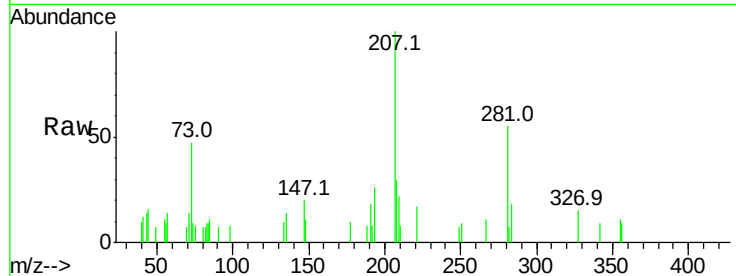
Tot Ion:188 Resp: 125

Ion Ratio Lower Upper

188 100

94 0.0 8.7 13.1#

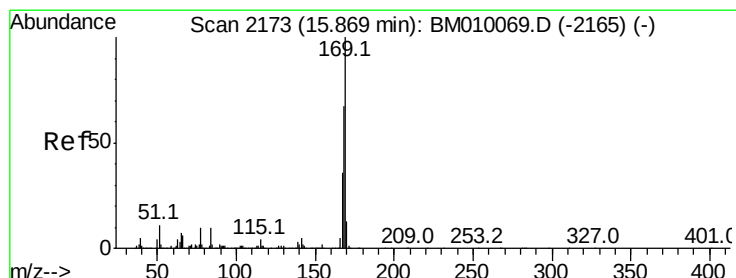
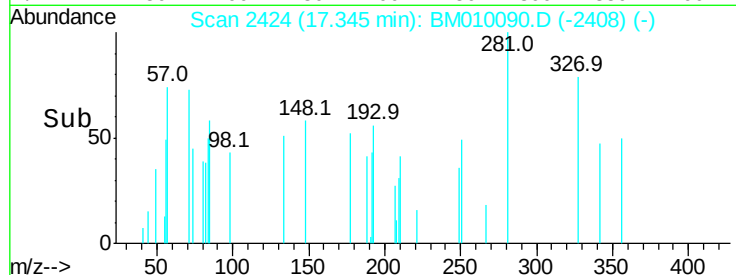
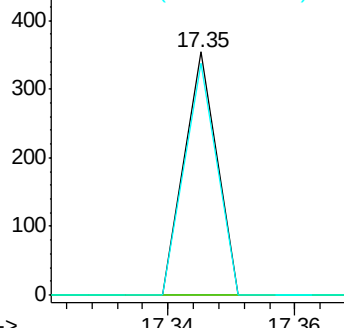
80 95.2 9.3 13.9#



Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BM0

Ion 80.00 (79.70 to 80.70): BM0



#65

n-Nitrosodiphenylamine

Concen: 146.28 ng

RT: 15.87 min Scan# 2173

Delta R.T. 0.00 min

Lab File: BM010090.D

Acq: 20 May 2017 03:49

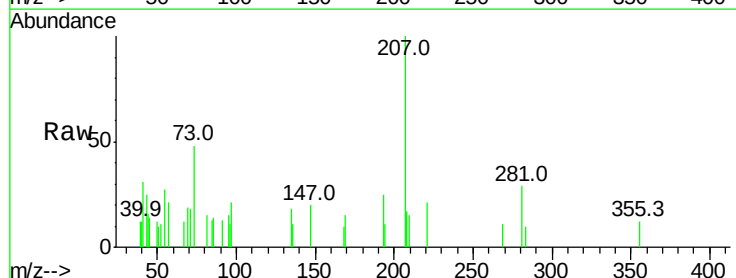
Tgt Ion:169 Resp: 548

Ion Ratio Lower Upper

169 100

168 70.3 53.9 80.9

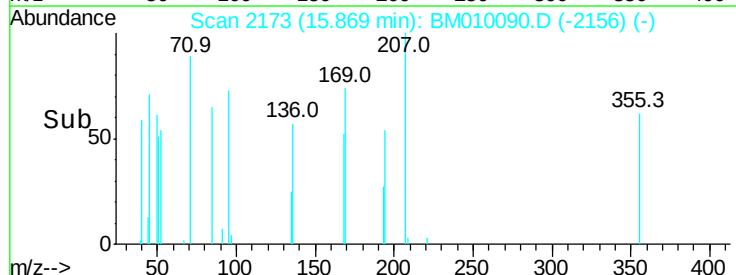
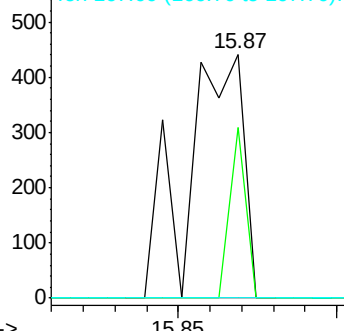
167 0.0 28.9 43.3#

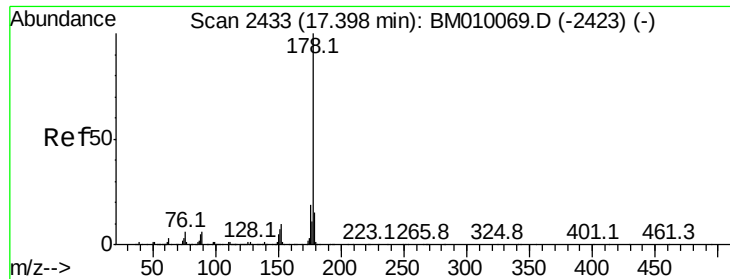


Abundance Ion 169.00 (168.70 to 169.70): E

Ion 168.00 (167.70 to 168.70): E

Ion 167.00 (166.70 to 167.70): E





#70

Phenanthrene

Concen: 446.83 ng

RT: 17.39 min Scan# 2431

Delta R.T. -0.01 min

Lab File: BM010090.D

Acq: 20 May 2017 03:49

Instrument :

BNA_M

ClientSampled :

NORTH-A

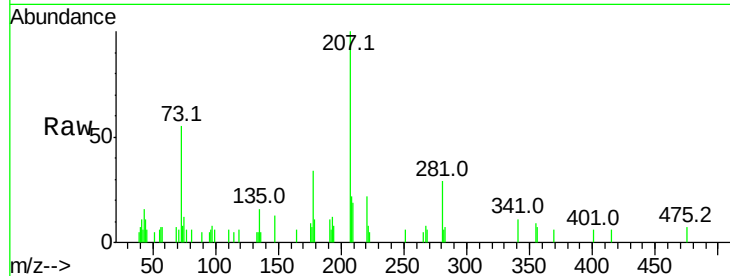
Tot Ion:178 Resp: 3125

Ion Ratio Lower Upper

178 100

176 25.8 15.2 22.8#

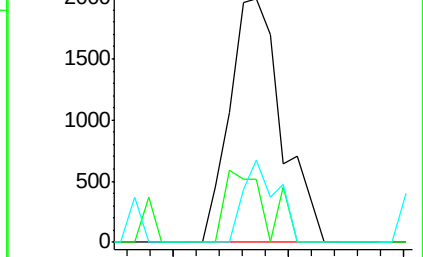
179 33.6 12.1 18.1#



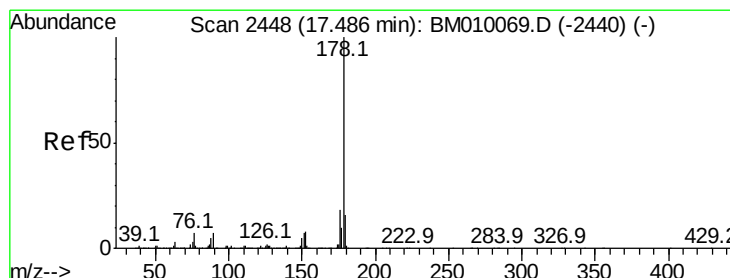
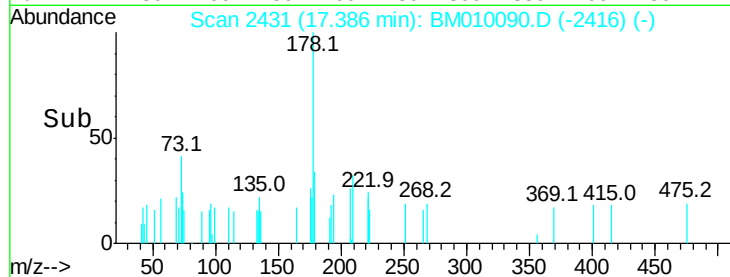
Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



Time-->



#71

Anthracene

Concen: 110.22 ng

RT: 17.48 min Scan# 2447

Delta R.T. -0.01 min

Lab File: BM010090.D

Acq: 20 May 2017 03:49

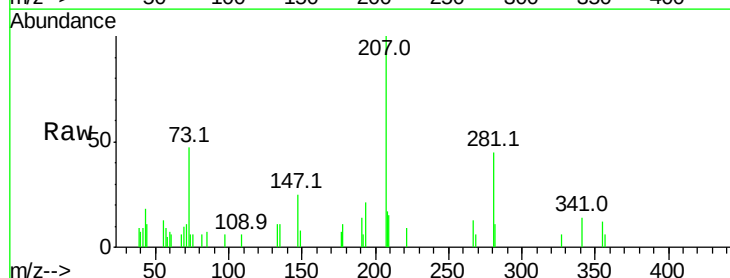
Tgt Ion:178 Resp: 765

Ion Ratio Lower Upper

178 100

176 0.0 14.6 22.0#

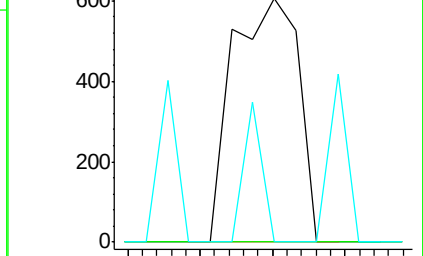
179 0.0 12.6 19.0#



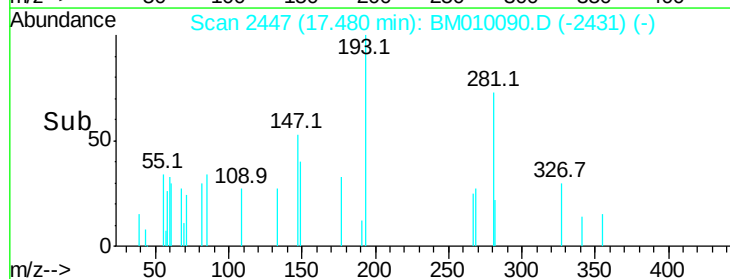
Abundance Ion 178.00 (177.70 to 178.70): E

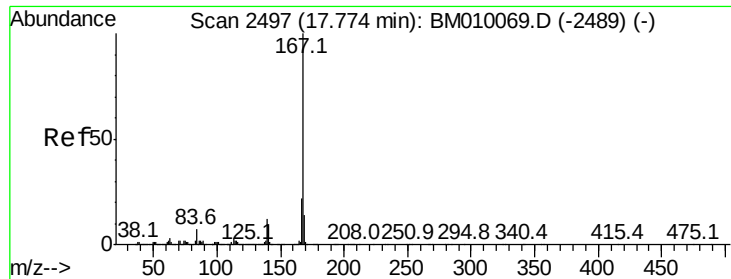
Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



Time-->





#72

Carbazole

Concen: 321.23 ng

RT: 17.77 min Scan# 2496

Delta R.T. -0.01 min

Lab File: BM010090.D

Acq: 20 May 2017 03:49

Instrument :

BNA_M

ClientSampleId :

NORTH-A

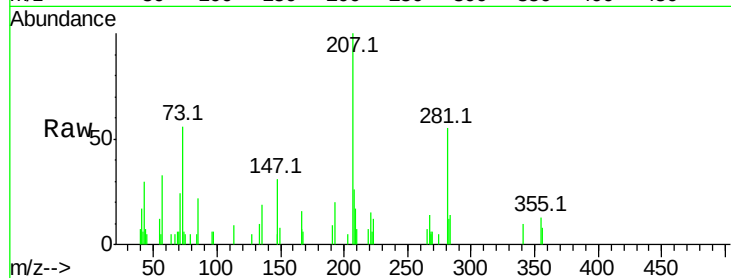
Tot Ion:167 Resp: 1974

Ion Ratio Lower Upper

167 100

166 41.7 17.2 25.8#

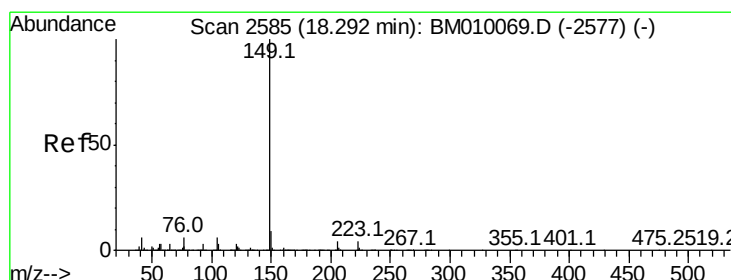
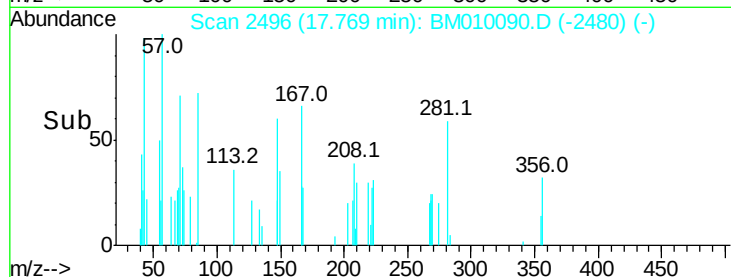
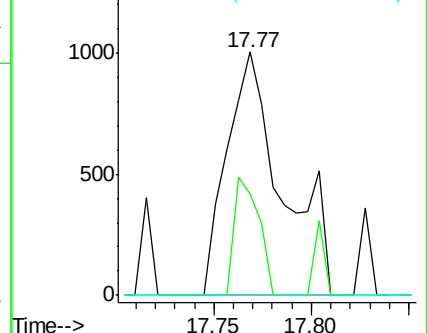
139 0.0 10.8 16.2#



Abundance Ion 167.00 (166.70 to 167.70): E

Ion 166.00 (165.70 to 166.70): E

Ion 139.00 (138.70 to 139.70): E



#73

Di-n-butylphthalate

Concen: 477.65 ng

RT: 18.29 min Scan# 2584

Delta R.T. -0.01 min

Lab File: BM010090.D

Acq: 20 May 2017 03:49

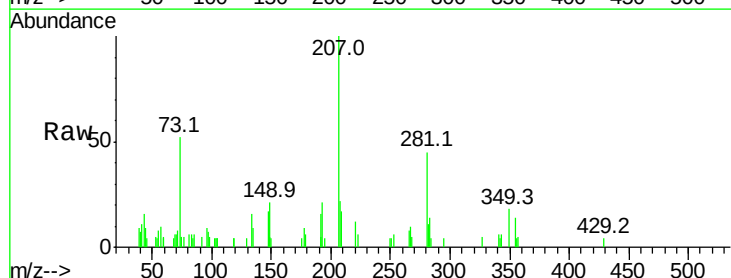
Tgt Ion:149 Resp: 3480

Ion Ratio Lower Upper

149 100

150 19.8 7.5 11.3#

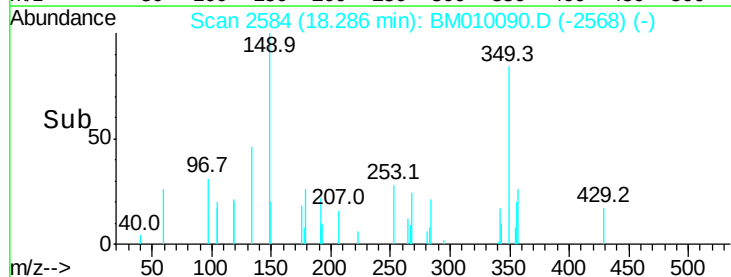
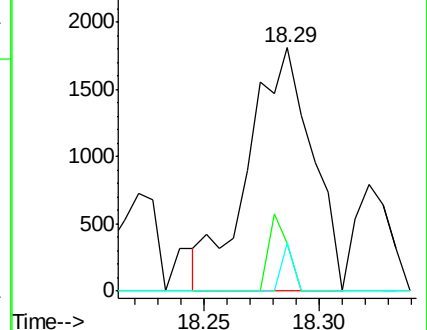
104 19.7 3.7 5.5#

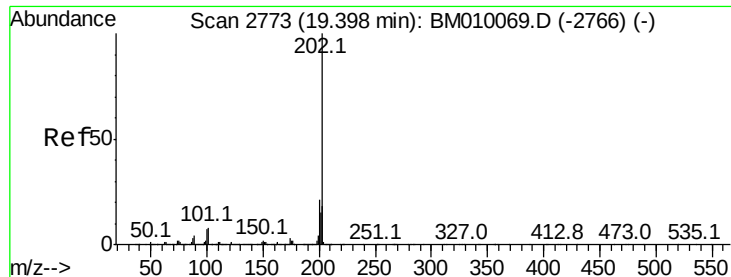


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 104.00 (103.70 to 104.70): E





#74

Fluoranthene

Concen: 555.03 ng

RT: 19.39 min Scan# 2772

Delta R.T. -0.01 min

Lab File: BM010090.D

Acq: 20 May 2017 03:49

Instrument :

BNA_M

ClientSampleId :

NORTH-A

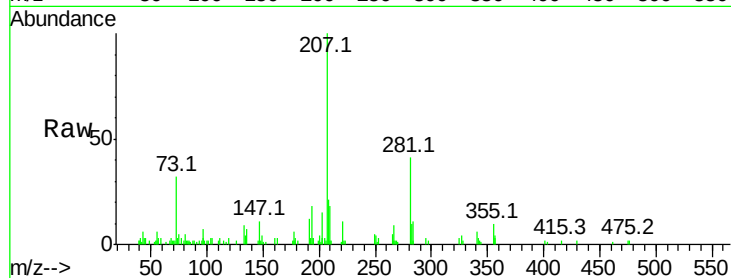
Tot Ion:202 Resp: 5040

Ion Ratio Lower Upper

202 100

101 11.1 0.0 28.7

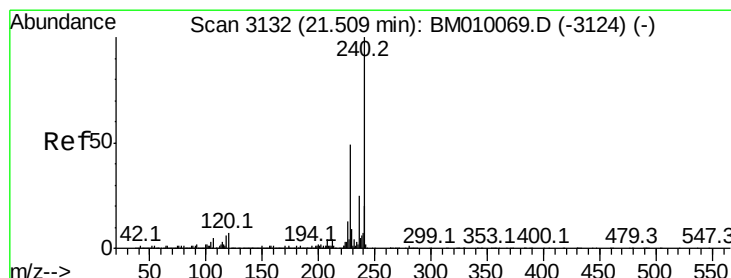
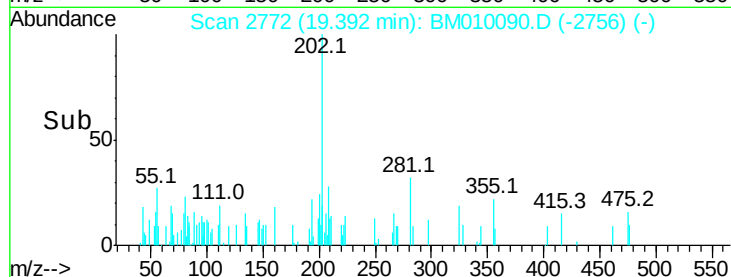
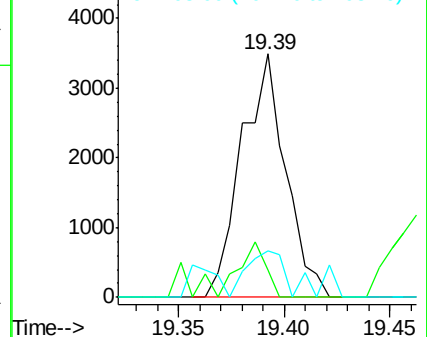
203 19.1 0.0 37.2



Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E



#75

Chrysene-d12

Concen: 20.00 ng

RT: 21.50 min Scan# 3131

Delta R.T. -0.01 min

Lab File: BM010090.D

Acq: 20 May 2017 03:49

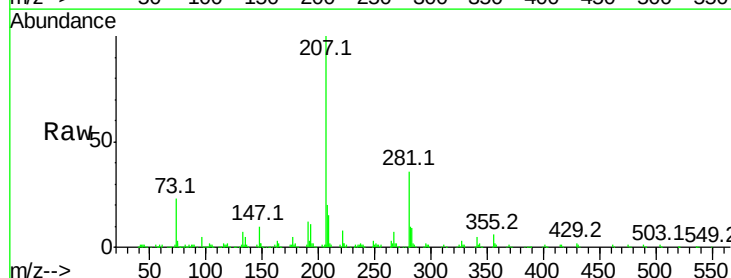
Tgt Ion:240 Resp: 1065

Ion Ratio Lower Upper

240 100

120 41.3 8.2 12.2#

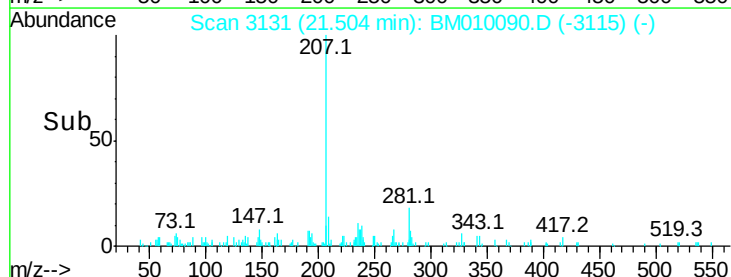
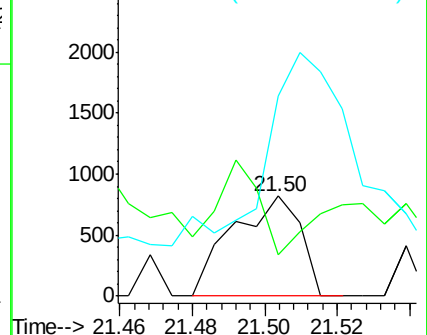
236 200.2 20.0 30.0#

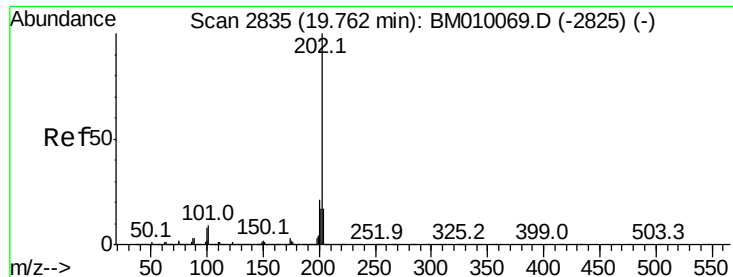


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#77

Pvrene

Concen: 79.14 ng

RT: 19.76 min Scan# 2834

Delta R.T. -0.01 min

Lab File: BM010090.D

Acq: 20 May 2017 03:49

Instrument :

BNA_M

ClientSampleId :

NORTH-A

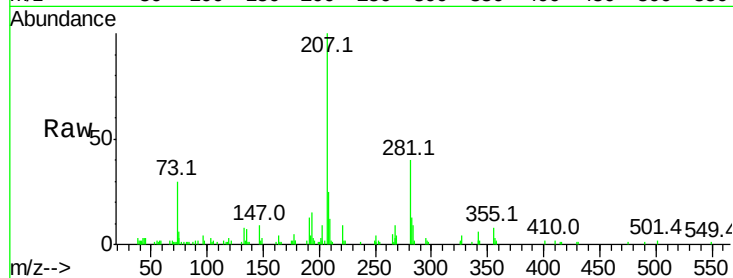
Tot Ion:202 Resp: 4519

Ion Ratio Lower Upper

202 100

200 13.2 16.9 25.3#

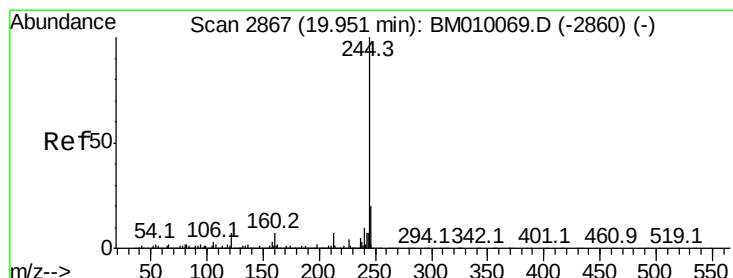
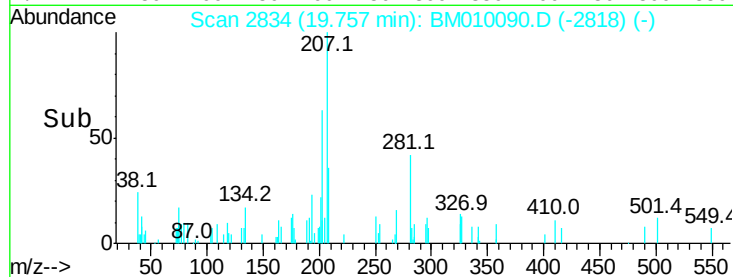
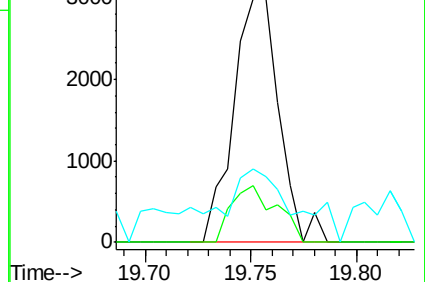
203 27.2 14.1 21.1#



Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E



#78

Terphenyl-d14

Concen: 110494.12 ng

RT: 19.94 min Scan# 2866

Delta R.T. -0.01 min

Lab File: BM010090.D

Acq: 20 May 2017 03:49

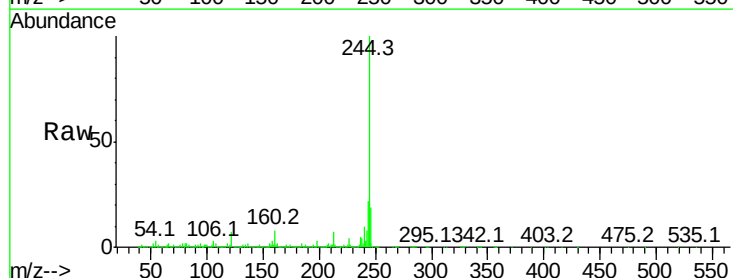
Tgt Ion:244 Resp: 5175300

Ion Ratio Lower Upper

244 100

212 7.2 4.9 7.3

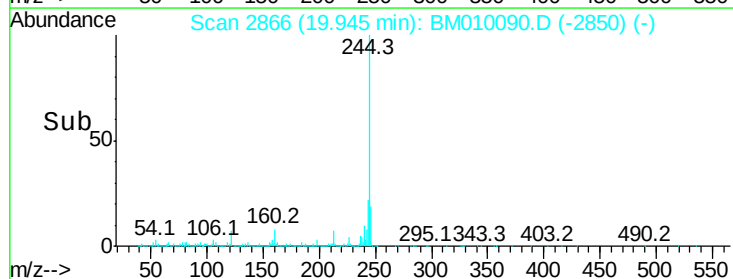
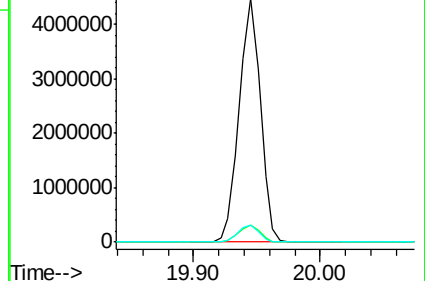
122 7.0 6.2 9.4

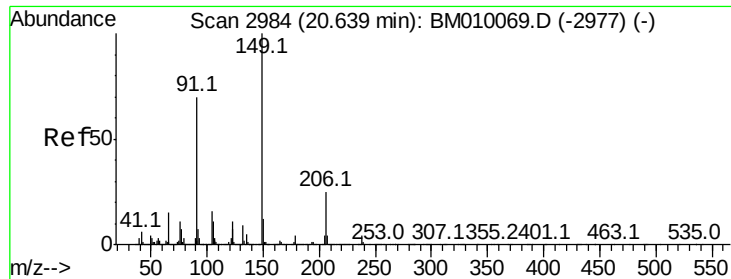


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

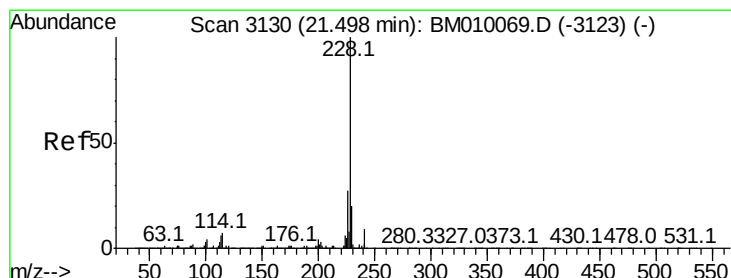
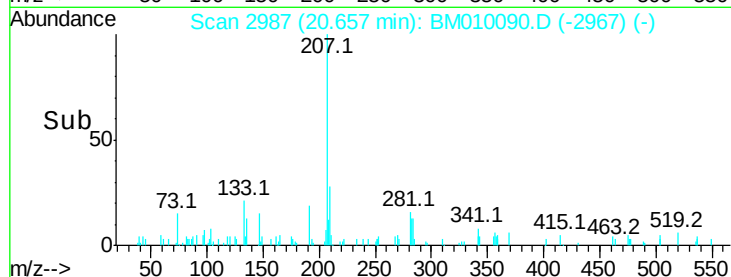
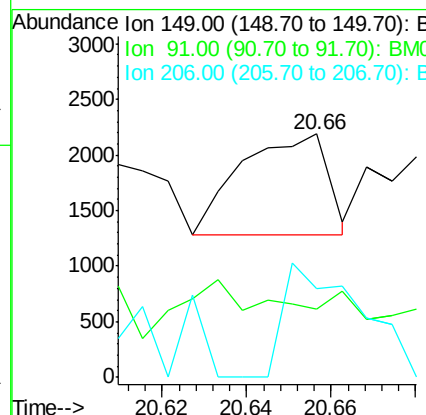
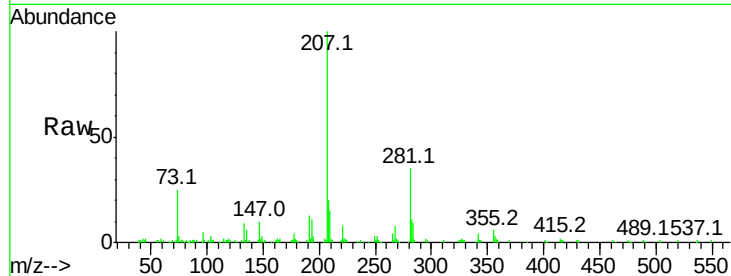




#79
 Butylbenzylphthalate
 Concen: 60.84 ng
 RT: 20.66 min Scan# 2987
 Delta R.T. 0.02 min
 Lab File: BM010090.D
 Acq: 20 May 2017 03:49

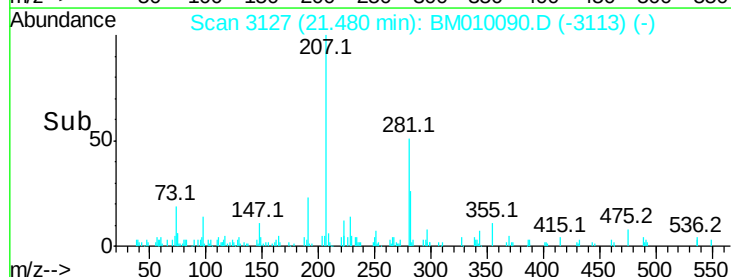
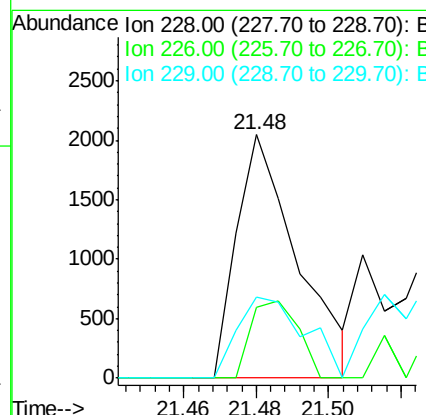
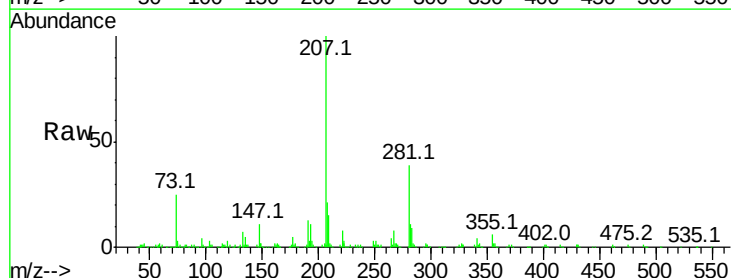
Instrument :
 BNA_M
 ClientSampled :
 NORTH-A

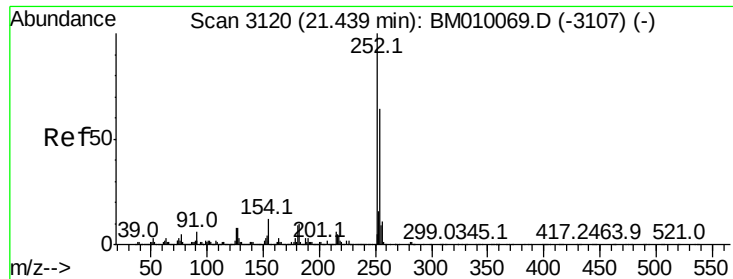
Tot Ion:149 Resp: 1286
 Ion Ratio Lower Upper
 149 100
 91 28.1 50.1 75.1#
 206 36.3 16.2 24.2#



#80
 Benzo(a)anthracene
 Concen: 40.50 ng
 RT: 21.48 min Scan# 3127
 Delta R.T. -0.02 min
 Lab File: BM010090.D
 Acq: 20 May 2017 03:49

Tgt Ion:228 Resp: 2377
 Ion Ratio Lower Upper
 228 100
 226 29.2 21.7 32.5
 229 33.5 16.0 24.0#

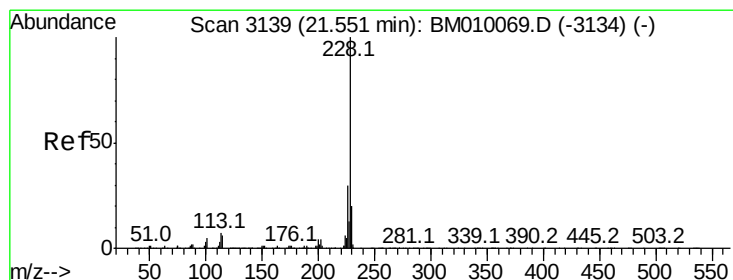
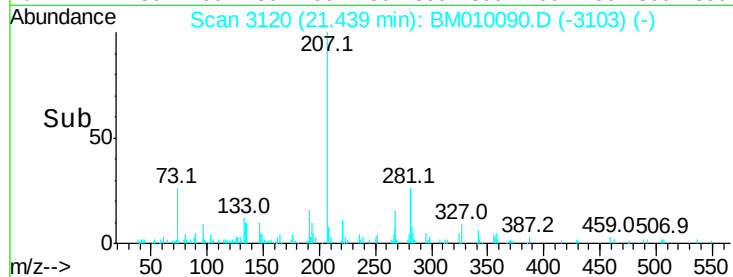
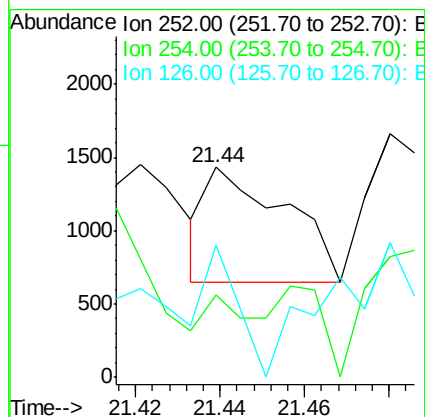
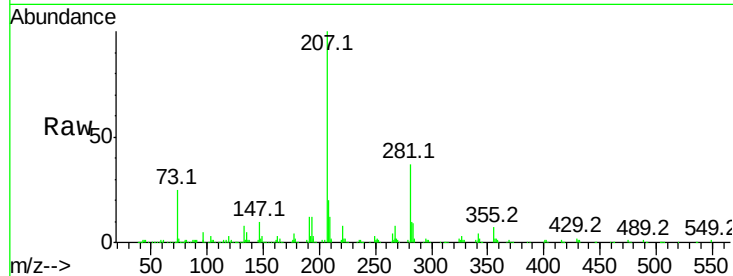




#81
 3,3'-Dichlorobenzidine
 Concen: 43.08 ng
 RT: 21.44 min Scan# 3120
 Delta R.T. 0.00 min
 Lab File: BM010090.D
 Acq: 20 May 2017 03:49

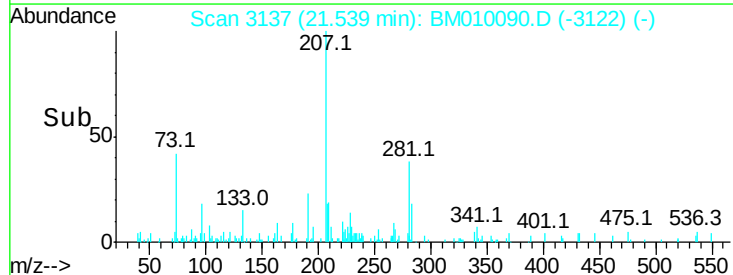
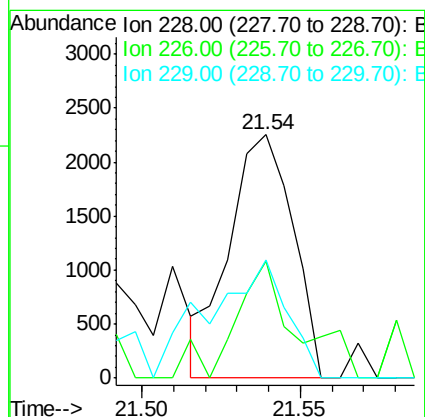
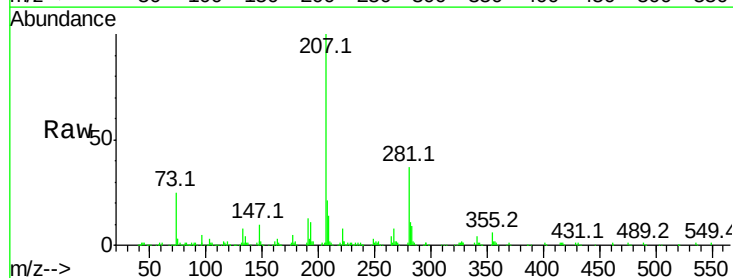
Instrument :
 BNA_M
 ClientSampled :
 NORTH-A

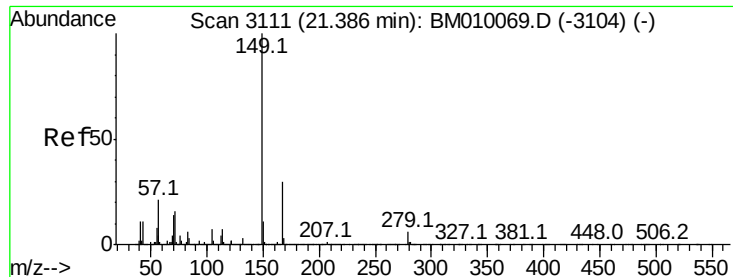
Tot Ion:252 Resp: 1017
 Ion Ratio Lower Upper
 252 100
 254 39.4 51.9 77.9#
 126 63.0 9.8 14.8#



#82
 Chrysene
 Concen: 56.37 ng
 RT: 21.54 min Scan# 3137
 Delta R.T. -0.01 min
 Lab File: BM010090.D
 Acq: 20 May 2017 03:49

Tgt Ion:228 Resp: 3138
 Ion Ratio Lower Upper
 228 100
 226 48.0 24.1 36.1#
 229 48.7 15.5 23.3#





#83

Bis(2-ethylhexyl)phthalate

Concen: 138.63 ng

RT: 21.37 min Scan# 3108

Delta R.T. -0.02 min

Lab File: BM010090.D

Acq: 20 May 2017 03:49

Instrument :

BNA_M

ClientSampleId :

NORTH-A

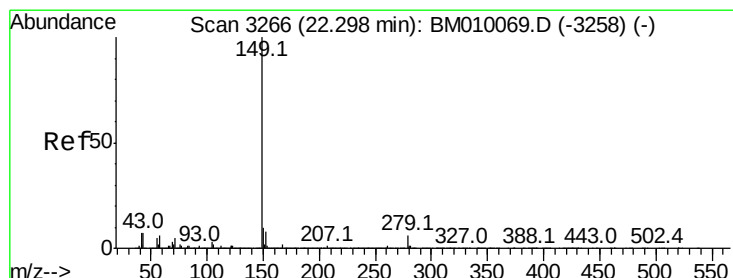
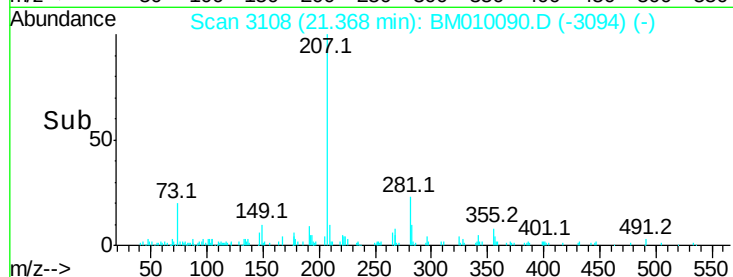
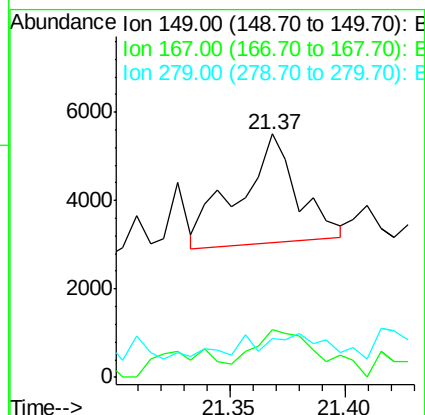
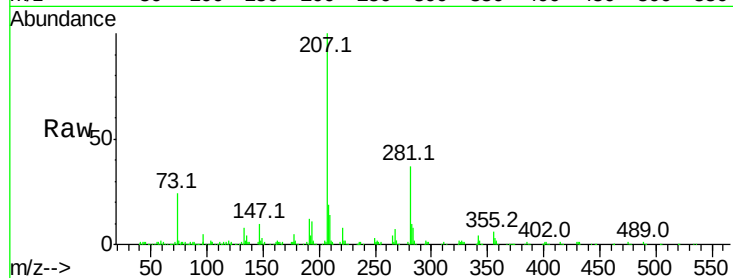
Tot Ion:149 Resp: 4382

Ion Ratio Lower Upper

149 100

167 19.7 22.4 33.6#

279 16.0 3.4 5.0#



#84

Di-n-octyl phthalate

Concen: 11.31 ng

RT: 22.32 min Scan# 3270

Delta R.T. 0.02 min

Lab File: BM010090.D

Acq: 20 May 2017 03:49

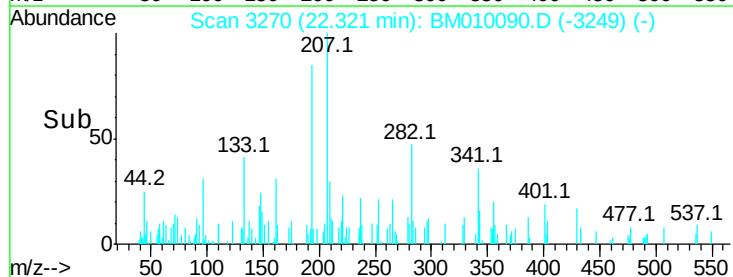
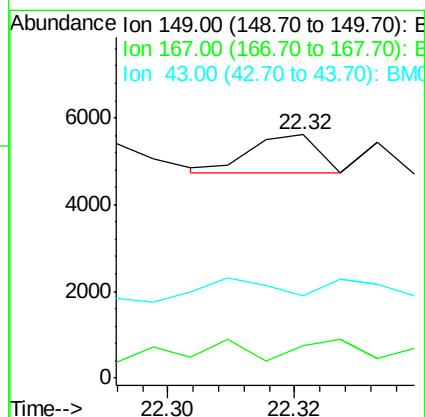
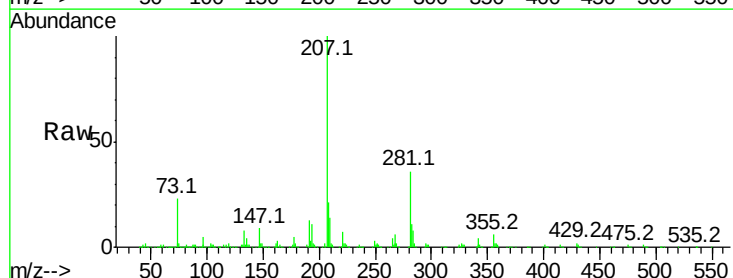
Tgt Ion:149 Resp: 640

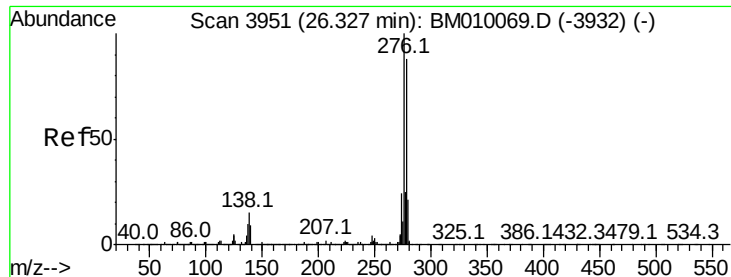
Ion Ratio Lower Upper

149 100

167 48.1 1.2 1.8#

43 40.0 7.3 10.9#





#85

Indeno(1,2,3-cd)pyrene

Concen: 21.52 ng

RT: 26.27 min Scan# 3941

Delta R.T. -0.06 min

Lab File: BM010090.D

Acq: 20 May 2017 03:49

Instrument :

BNA_M

ClientSampleId :

NORTH-A

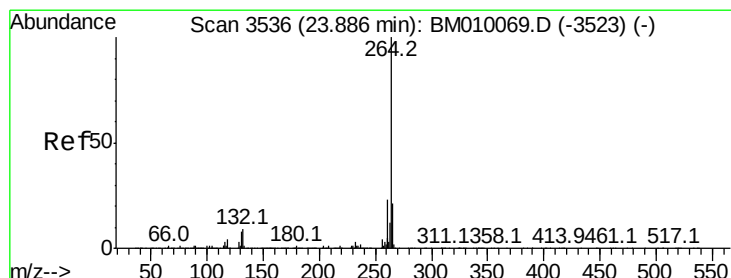
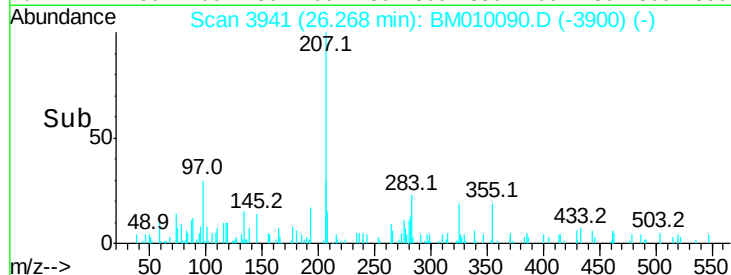
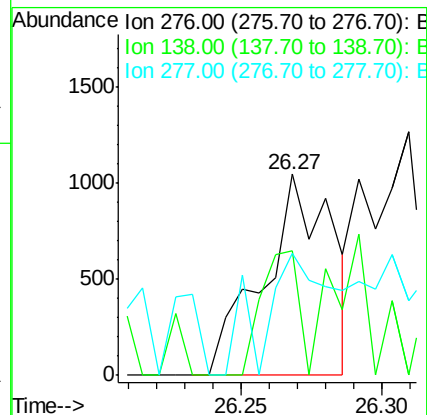
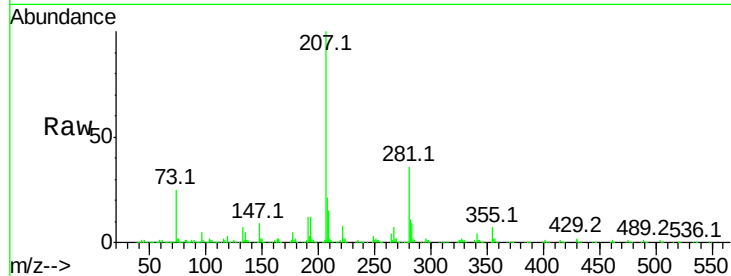
Tot Ion:276 Resp: 1757

Ion Ratio Lower Upper

276 100

138 33.5 0.0 0.0#

277 60.4 0.0 0.0#



#86

Perylene-d12

Concen: 20.00 ng

RT: 23.89 min Scan# 3537

Delta R.T. 0.01 min

Lab File: BM010090.D

Acq: 20 May 2017 03:49

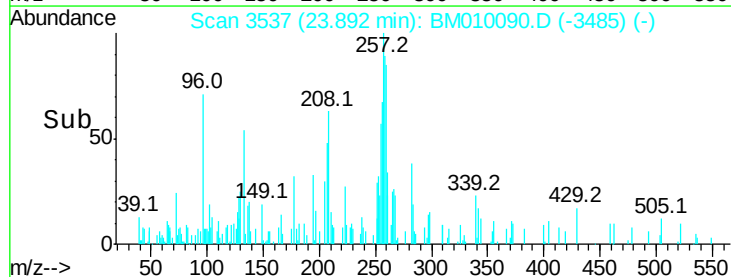
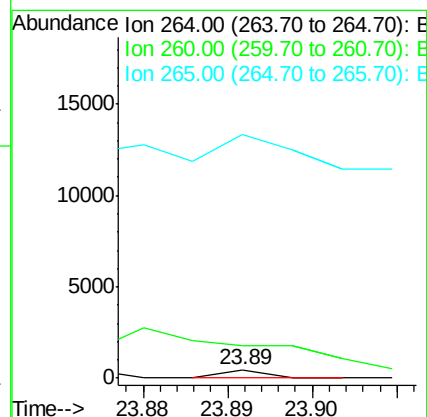
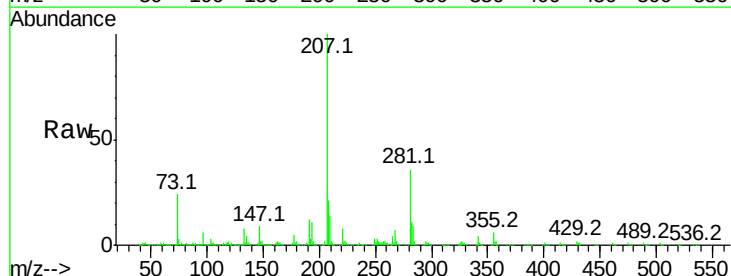
Tgt Ion:264 Resp: 157

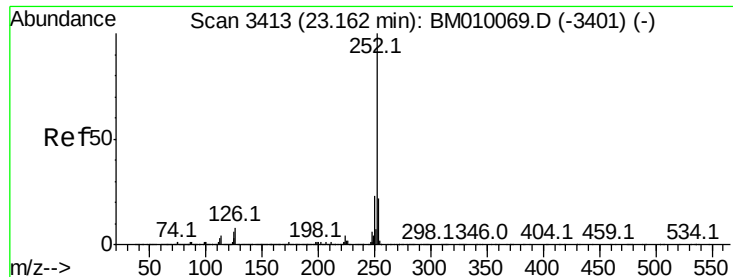
Ion Ratio Lower Upper

264 100

260 392.4 18.6 27.8#

265 2997.5 17.3 25.9#





#87

Benzo(b)fluoranthene

Concen: 595.97 ng

RT: 23.16 min Scan# 3412

Delta R.T. -0.01 min

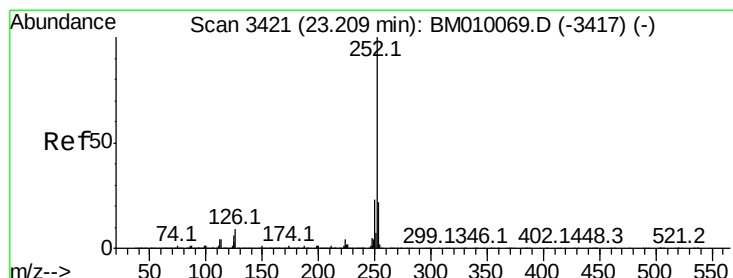
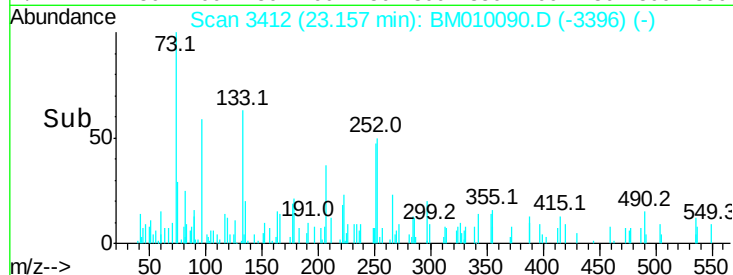
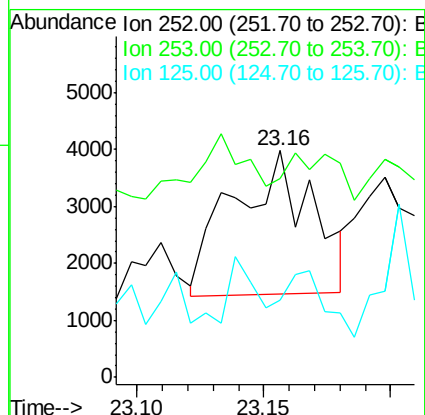
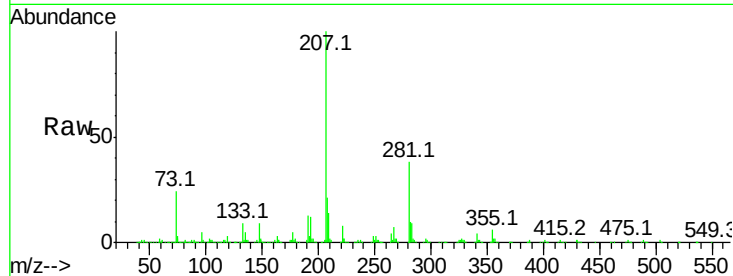
Lab File: BM010090.D

Acq: 20 May 2017 03:49

Instrument :
BNA_M
ClientSampleId :
NORTH-A

Tot Ion:252 Resp: 5476

Ion	Ratio	Lower	Upper
252	100		
253	88.1	18.0	27.0#
125	48.3	9.9	14.9#



#88

Benzo(k)fluoranthene

Concen: 416.23 ng

RT: 23.20 min Scan# 3419

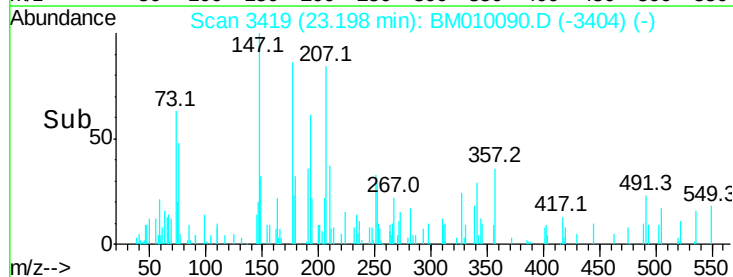
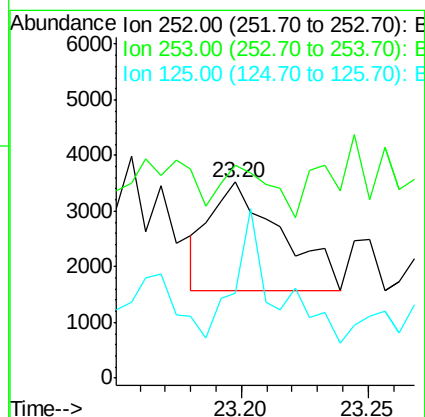
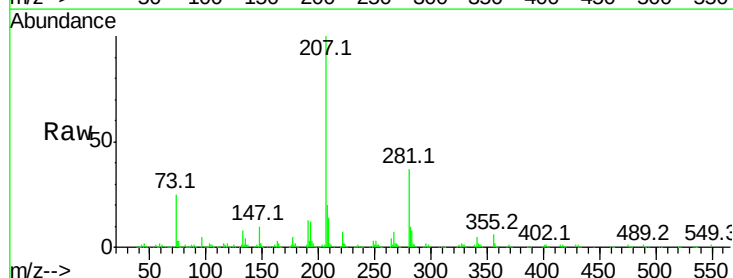
Delta R.T. -0.01 min

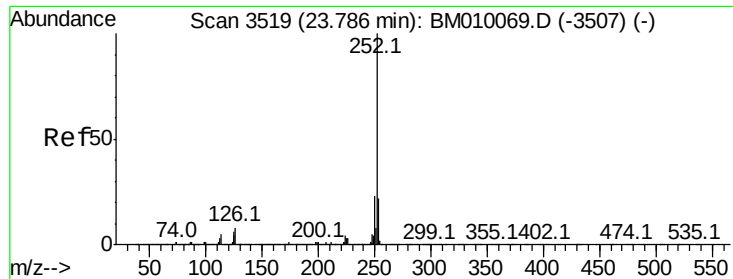
Lab File: BM010090.D

Acq: 20 May 2017 03:49

Tgt Ion:252 Resp: 3747

Ion	Ratio	Lower	Upper
252	100		
253	108.6	17.2	25.8#
125	43.3	8.1	12.1#





#89

Benzo(a)pyrene

Concen: 180.34 ng

RT: 23.78 min Scan# 3518

Delta R.T. -0.01 min

Lab File: BM010090.D

Acq: 20 May 2017 03:49

Instrument :

BNA_M

ClientSampleId :

NORTH-A

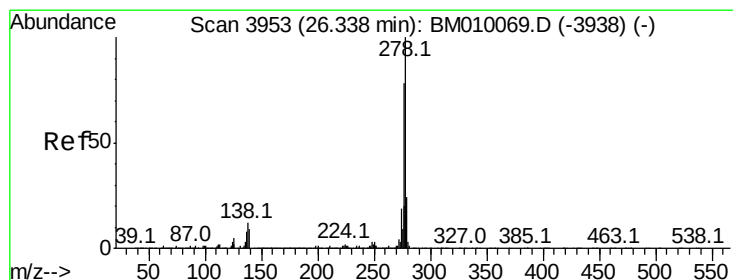
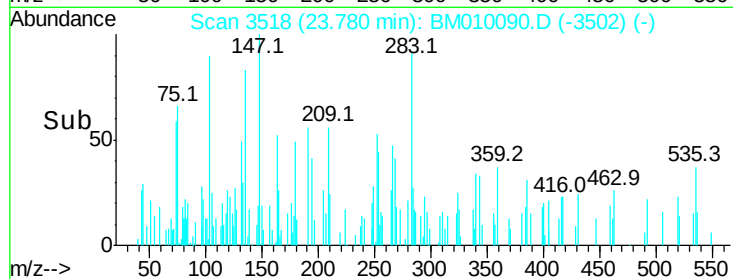
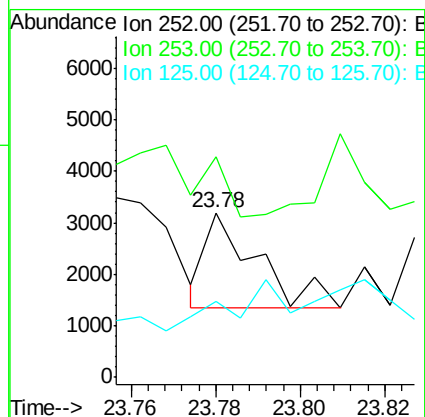
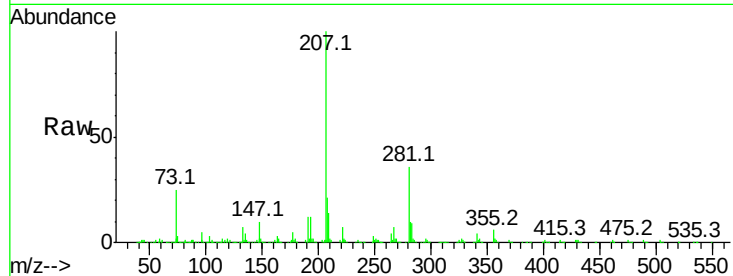
Tot Ion:252 Resp: 1579

Ion Ratio Lower Upper

252 100

253 134.1 17.6 26.4#

125 45.9 7.4 11.2#



#90

Dibenzo(a,h)anthracene

Concen: 111.02 ng

RT: 26.30 min Scan# 3947

Delta R.T. -0.04 min

Lab File: BM010090.D

Acq: 20 May 2017 03:49

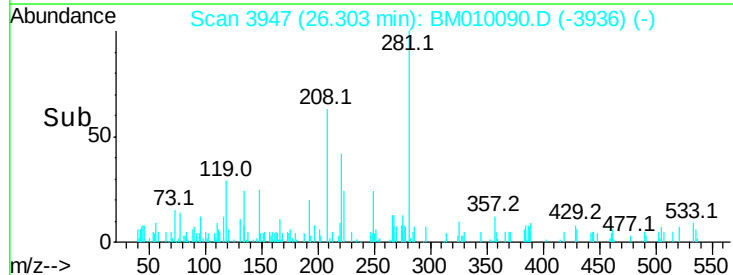
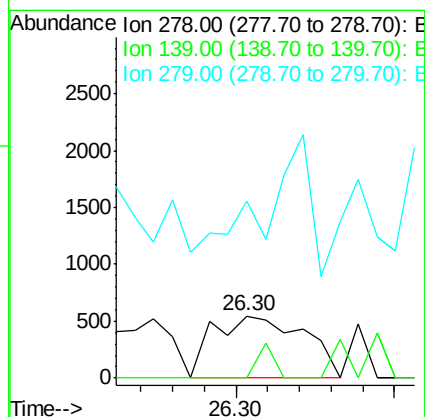
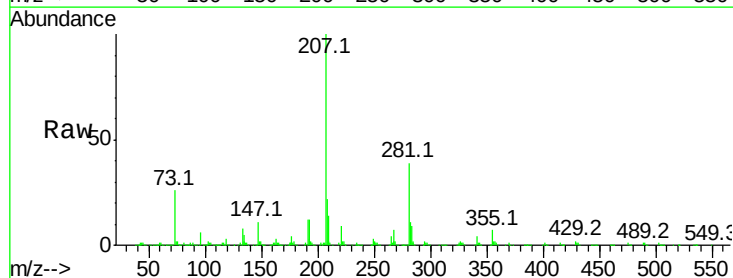
Tgt Ion:278 Resp: 1087

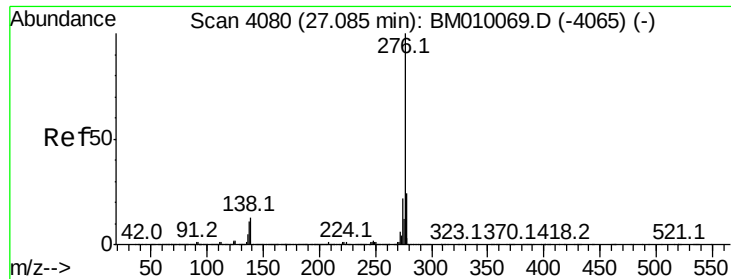
Ion Ratio Lower Upper

278 100

139 0.0 13.4 20.0#

279 285.8 19.0 28.4#





#91

Benzo(a,h,i)perylene

Concen: 39.09 ng

RT: 27.10 min Scan# 4082

Delta R.T. 0.01 min

Lab File: BM010090.D

Acq: 20 May 2017 03:49

Instrument :

BNA_M

ClientSampleId :

NORTH-A

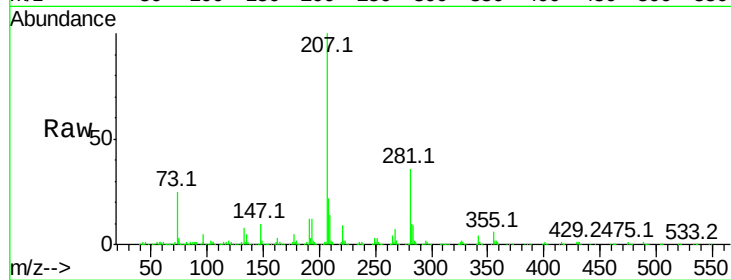
Tot Ion: 276 Resp: 375

Ion Ratio Lower Upper

276 100

277 116.6 18.5 27.7#

138 77.2 19.0 28.6#



Abundance Ion 276.00 (275.70 to 276.70): E

Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E

