

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM013016\
 Data File : BM004151.D
 Acq On : 29 Jan 2016 18:01
 Operator : SJ/IZ
 Sample : H1281-03
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 YT-MW07

Quant Time: Jan 29 22:15:00 2016
 Quant Method : Z:\HPCHEM1\BNA_M\METHODS\8270-SIM-BM012216.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Jan 22 14:46:41 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.67	152	19127	5.00	ng	0.00
7) Naphthalene-d8	10.44	136	88235	5.00	ng	0.00
13) Acenaphthene-d10	14.31	164	52788	5.00	ng	0.00
19) Phenanthrene-d10	17.06	188	143955	5.00	ng	0.00
26) Chrysene-d12	21.27	240	144337	5.00	ng	0.00
35) Perylene-d12	23.51	264	148187	5.00	ng	0.00

System Monitoring Compounds						
4) 2-Fluorophenol	5.25	112	8602	2.16	ng	-0.02
5) Phenol-d6	6.85	99	8182	1.70	ng	0.00
8) Nitrobenzene-d5	8.83	82	11347	2.94	ng	0.00
14) 2,4,6-Tribromophenol	15.82	330	14637	7.10	ng	0.00
15) 2-Fluorobiphenyl	12.93	172	54961	3.40	ng	0.00
29) Terphenyl-d14	19.71	244	85861	4.68	ng	0.00

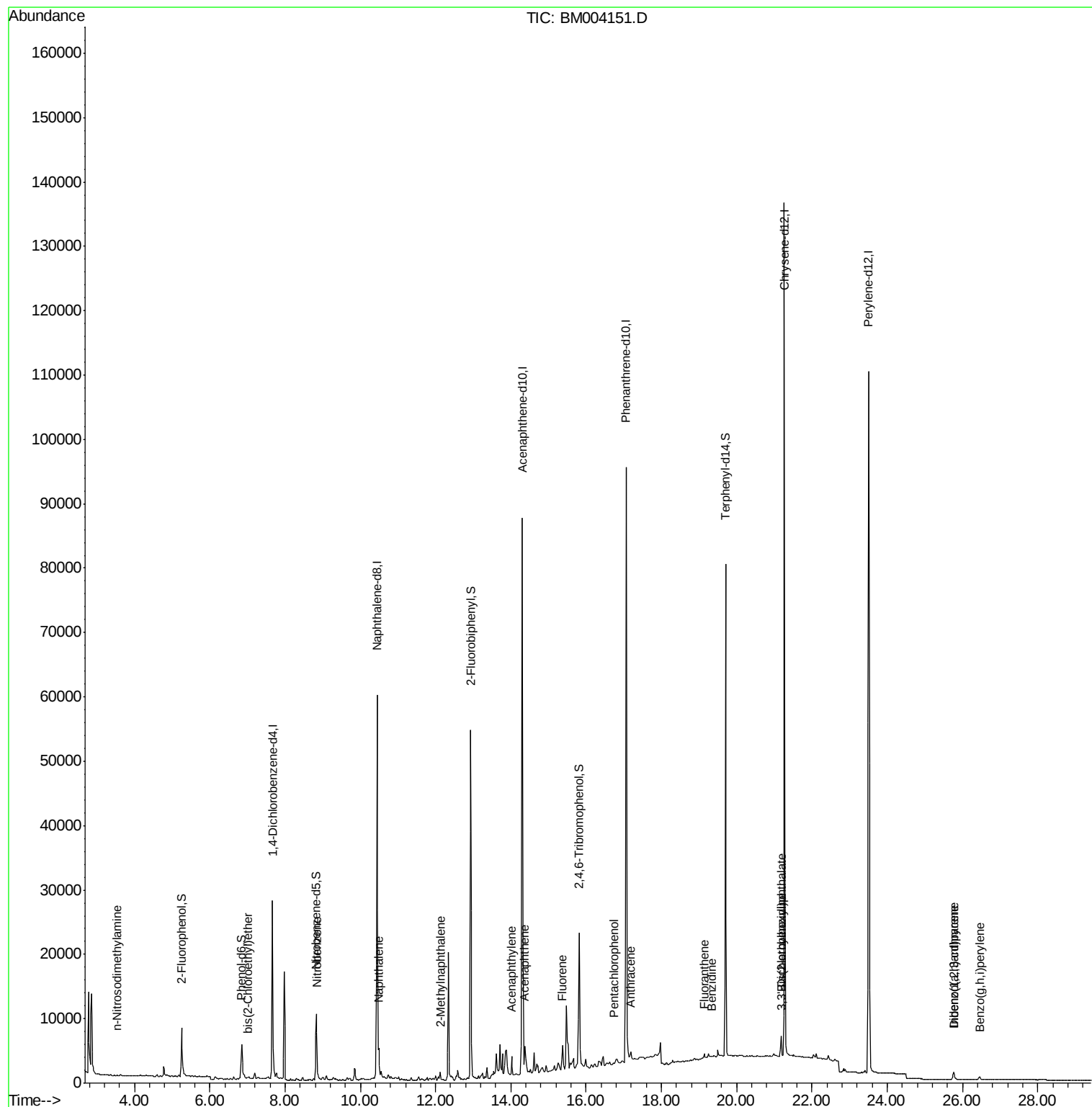
Target Compounds						Qvalue
3) n-Nitrosodimethylamine	3.52	42	55	0.03	ng	# 1
6) bis(2-Chloroethyl)ether	7.00	93	397	0.09	ng	# 22
9) Nitrobenzene	8.84	77	494	0.30	ng	# 7
10) Naphthalene	10.49	128	7057	0.34	ng	# 81
12) 2-Methylnaphthalene	12.12	142	1174	0.09	ng	# 84
16) Acenaphthylene	14.02	152	880	0.04	ng	# 59
17) Acenaphthene	14.37	154	2674	0.16	ng	# 86
18) Fluorene	15.37	166	2947	0.14	ng	# 88
22) Pentachlorophenol	16.73	266	509	0.57	ng	# 88
24) Anthracene	17.19	178	1592	0.05	ng	# 67
25) Fluoranthene	19.14	202	899	0.02	ng	# 56
27) Benzidine	19.33	184	502	0.18	ng	# 1
30) Benzo(a)anthracene	21.27	228	1775	Below Cal		# 41
31) 3,3'-Dichlorobenzidine	21.21	252	197	0.04	ng	# 46
32) Chrysene	21.27	228	1749	Below Cal		# 54
33) Bis(2-ethylhexyl)phthalate	21.19	149	4101	0.33	ng	# 96
34) Indeno(1,2,3-cd)pyrene	25.77	276	1146	0.05	ng	# 99
39) Dibenzo(a,h)anthracene	25.78	278	1144	0.03	ng	# 44
40) Benzo(g,h,i)perylene	26.46	276	831	0.02	ng	# 55

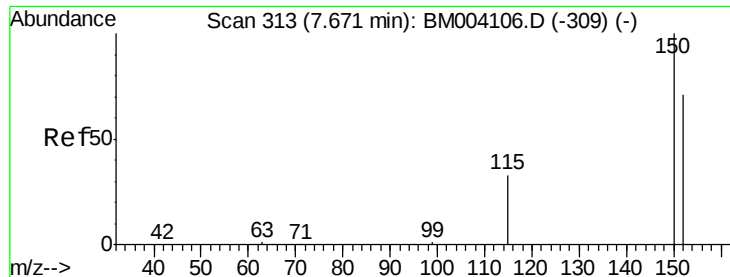
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 5.00 ng

RT: 7.67 min Scan# 313

Delta R.T. -0.00 min

Lab File: BM004151.D

Acq: 29 Jan 2016 18:01

Instrument :

BNA_M

ClientSampleId :

YT-MW07

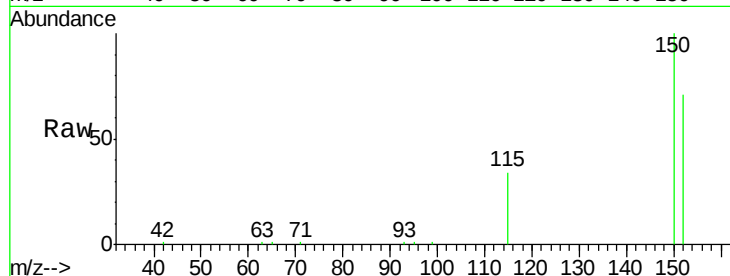
Tgt Ion:152 Resp: 19127

Ion Ratio Lower Upper

152 100

150 140.1 122.9 184.3

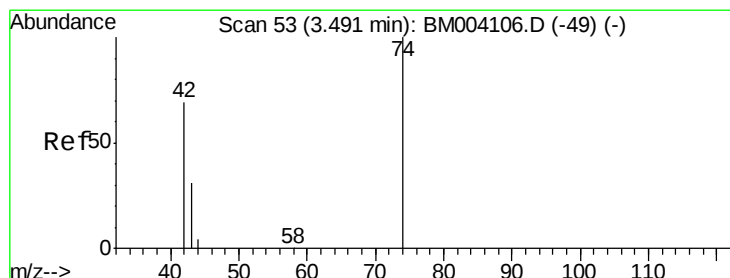
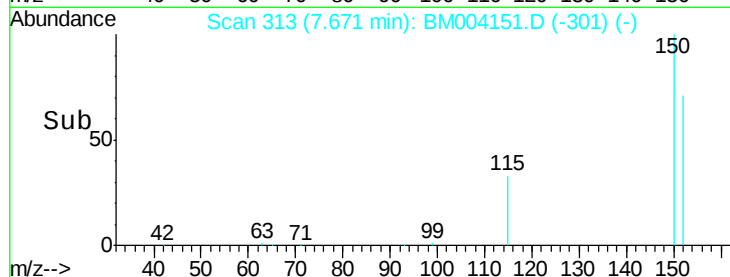
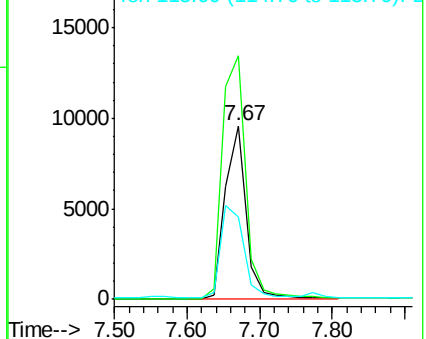
115 47.4 44.4 66.6



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



#3

n-Nitrosodimethylamine

Concen: 0.03 ng

RT: 3.52 min Scan# 55

Delta R.T. 0.03 min

Lab File: BM004151.D

Acq: 29 Jan 2016 18:01

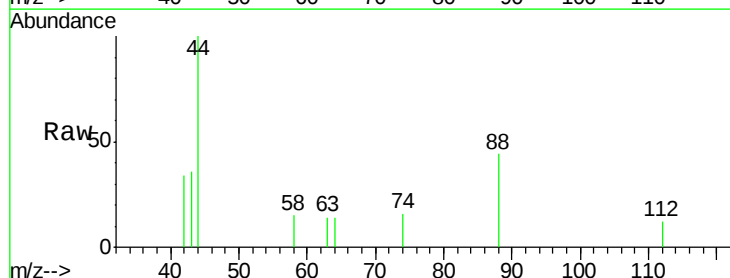
Tgt Ion: 42 Resp: 55

Ion Ratio Lower Upper

42 100

74 0.0 95.0 142.4#

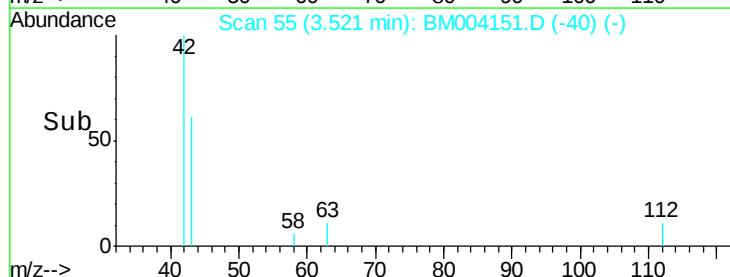
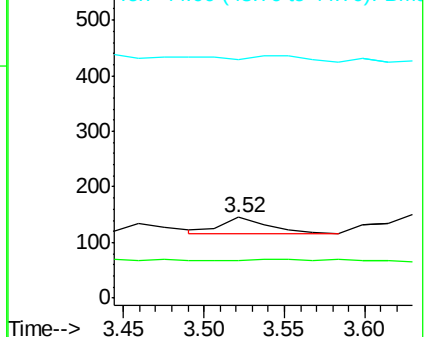
44 0.0 5.1 7.7#

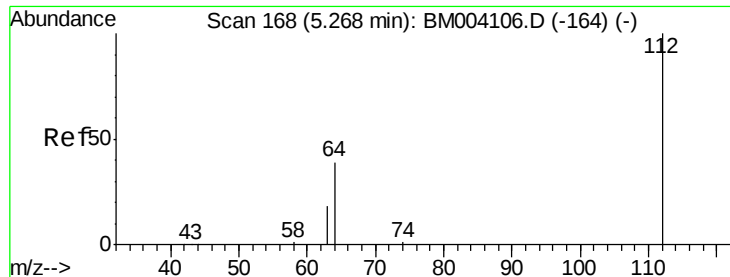


Abundance Ion 42.00 (41.70 to 42.70): BM0

Ion 74.00 (73.70 to 74.70): BM0

Ion 44.00 (43.70 to 44.70): BM0





#4

2-Fluorophenol

Concen: 2.16 ng

RT: 5.25 min Scan# 167

Delta R.T. -0.02 min

Lab File: BM004151.D

Acq: 29 Jan 2016 18:01

Instrument :

BNA_M

ClientSampleId :

YT-MW07

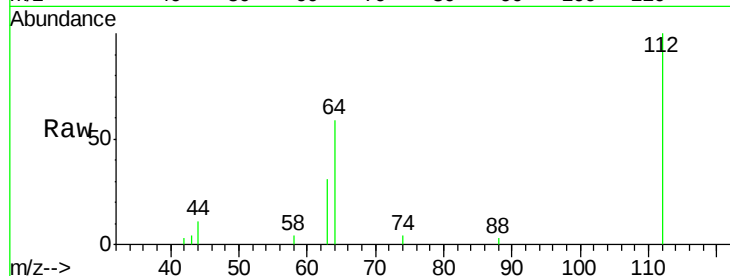
Tgt Ion: 112 Resp: 8602

Ion Ratio Lower Upper

112 100

64 52.3 41.8 62.8

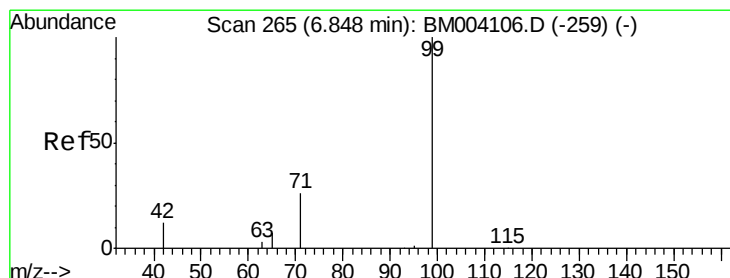
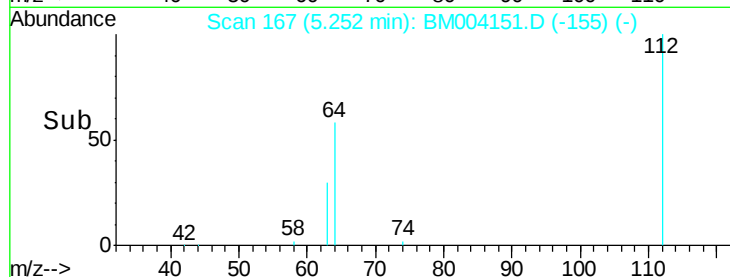
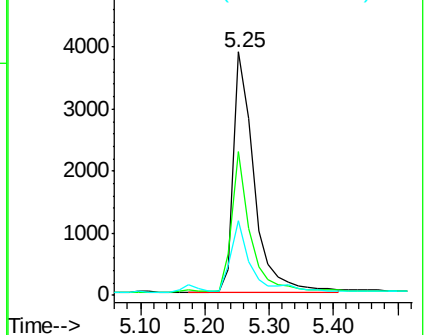
63 27.9 22.1 33.1



Abundance Ion 112.00 (111.70 to 112.70): B

Ion 64.00 (63.70 to 64.70): BM

Ion 63.00 (62.70 to 63.70): BM



#5

Phenol-d6

Concen: 1.70 ng

RT: 6.85 min Scan# 265

Delta R.T. -0.00 min

Lab File: BM004151.D

Acq: 29 Jan 2016 18:01

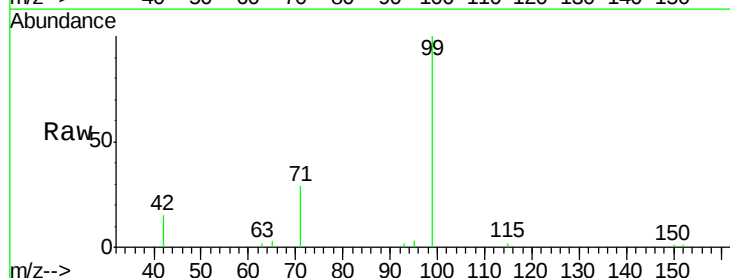
Tgt Ion: 99 Resp: 8182

Ion Ratio Lower Upper

99 100

42 18.9 16.2 24.2

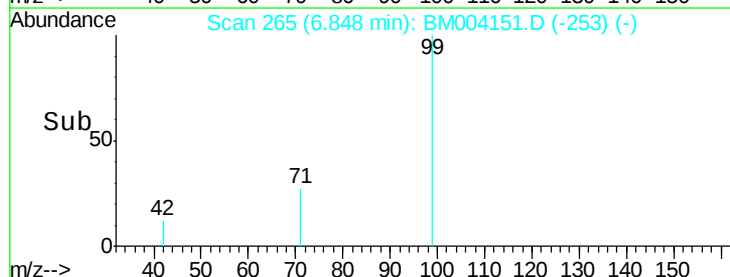
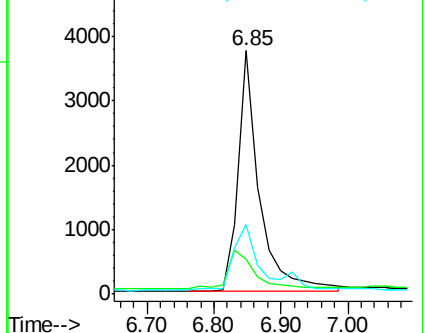
71 37.6 24.4 36.6#

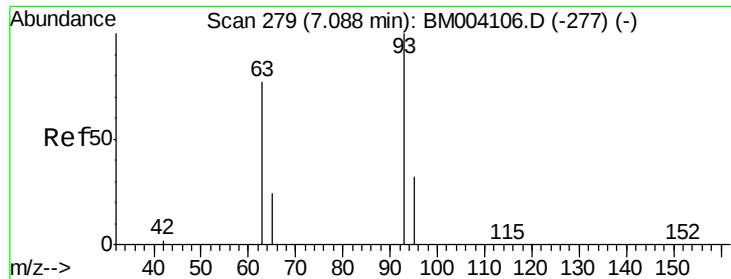


Abundance Ion 99.00 (98.70 to 99.70): BM

Ion 42.00 (41.70 to 42.70): BM

Ion 71.00 (70.70 to 71.70): BM





#6

bis(2-Chloroethyl)ether

Concen: 0.09 ng

RT: 7.00 min Scan# 274

Delta R.T. -0.09 min

Lab File: BM004151.D

Acq: 29 Jan 2016 18:01

Instrument :

BNA_M

ClientSampleId :

YT-MW07

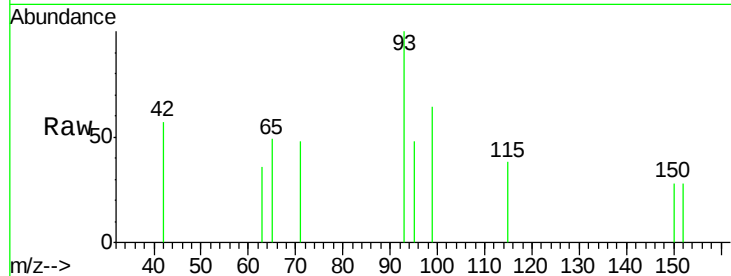
Tgt Ion: 93 Resp: 397

Ion Ratio Lower Upper

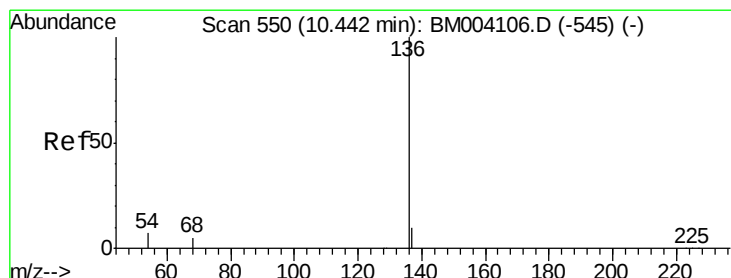
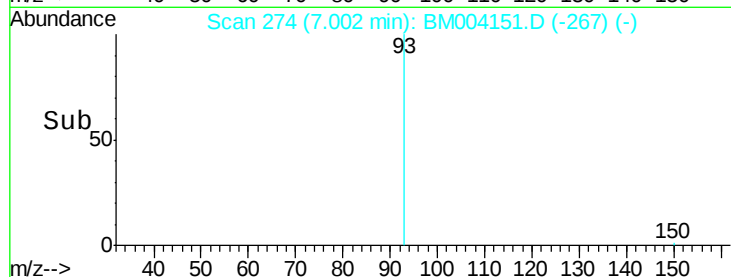
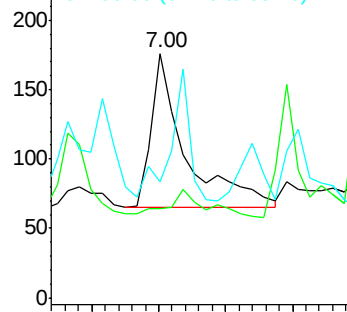
93 100

63 0.0 58.3 87.5#

95 0.0 25.8 38.8#



Abundance Ion 93.00 (92.70 to 93.70): BM004106.D (-277) (-)



#7

Naphthalene-d8

Concen: 5.00 ng

RT: 10.44 min Scan# 550

Delta R.T. -0.00 min

Lab File: BM004151.D

Acq: 29 Jan 2016 18:01

Tgt Ion: 136 Resp: 88235

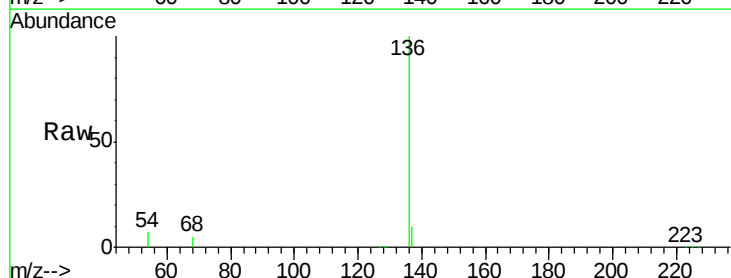
Ion Ratio Lower Upper

136 100

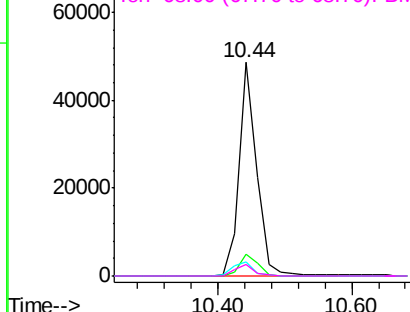
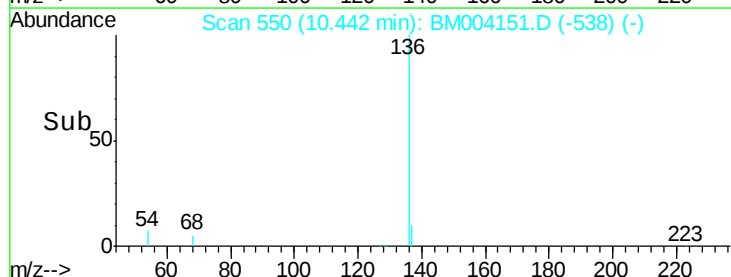
137 10.5 9.2 13.8

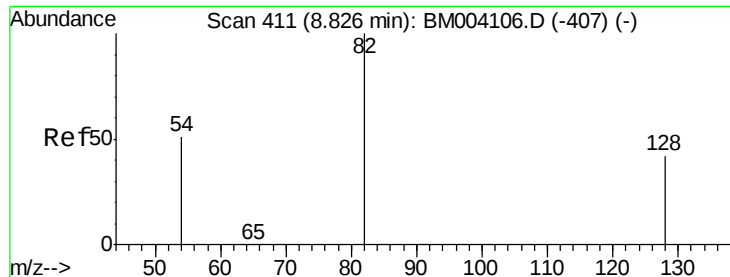
54 6.8 2.8 4.2#

68 5.3 2.5 3.7#



Abundance Ion 136.00 (135.70 to 136.70): BM004106.D (-545) (-)





#8

Nitrobenzene-d5

Concen: 2.94 ng

RT: 8.83 min Scan# 411

Delta R.T. -0.00 min

Lab File: BM004151.D

Acq: 29 Jan 2016 18:01

Instrument :

BNA_M

ClientSampleId :

YT-MW07

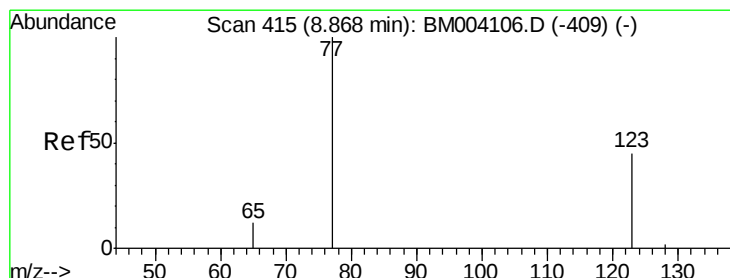
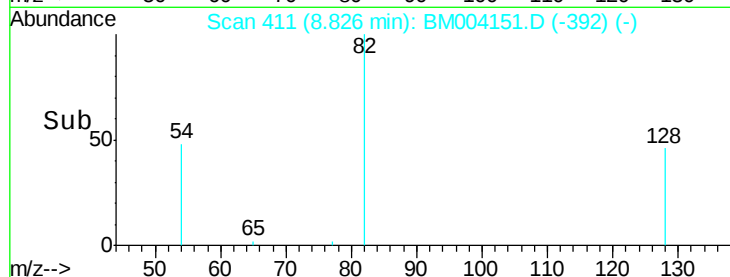
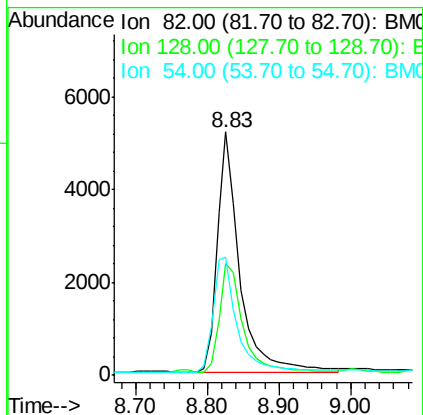
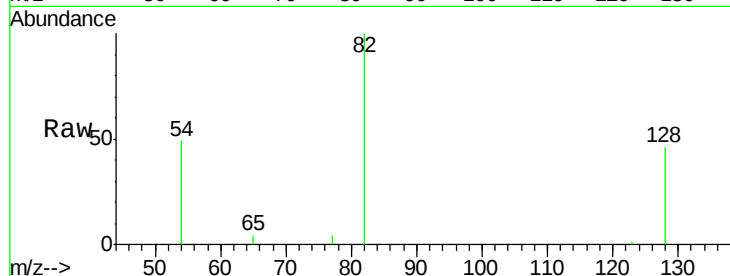
Tgt Ion: 82 Resp: 11347

Ion Ratio Lower Upper

82 100

128 46.1 39.1 58.7

54 48.5 34.8 52.2



#9

Nitrobenzene

Concen: 0.30 ng

RT: 8.84 min Scan# 412

Delta R.T. -0.03 min

Lab File: BM004151.D

Acq: 29 Jan 2016 18:01

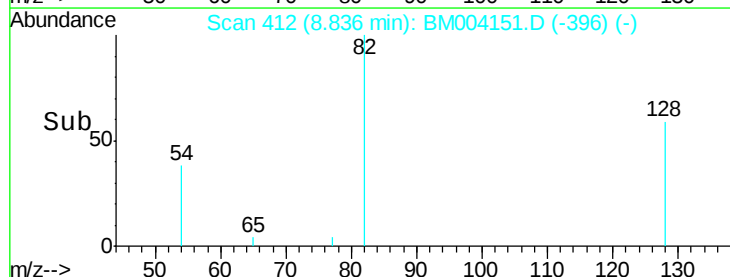
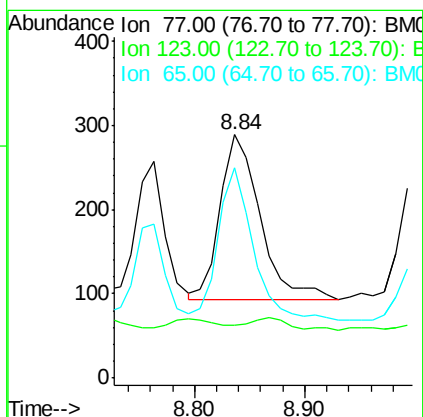
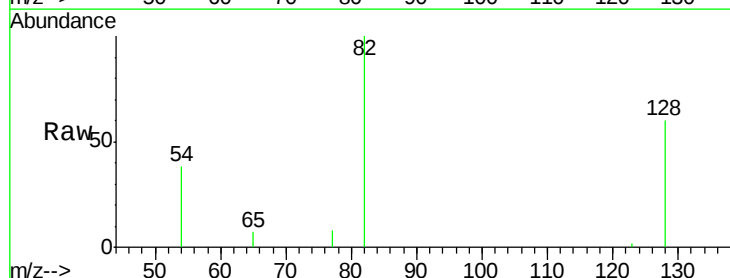
Tgt Ion: 77 Resp: 494

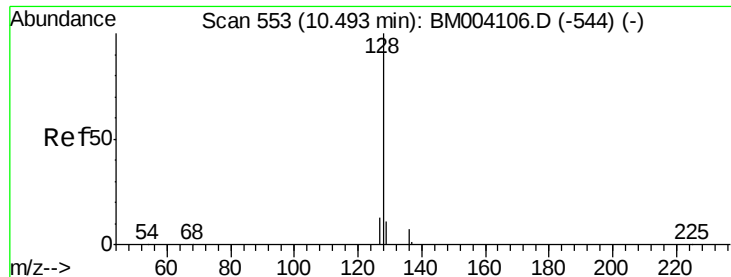
Ion Ratio Lower Upper

77 100

123 0.0 38.6 57.8#

65 81.4 9.9 14.9#

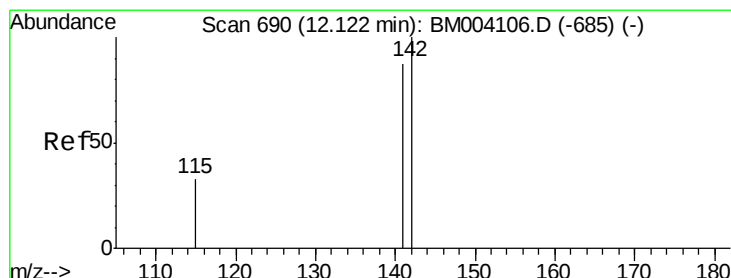
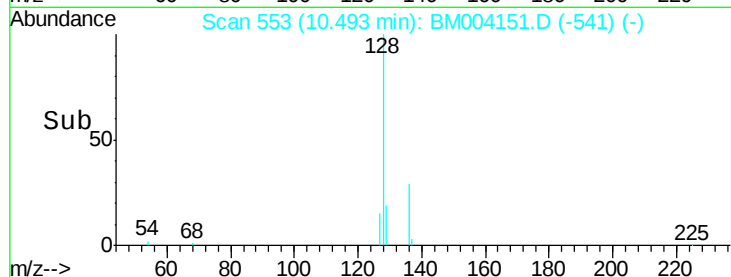
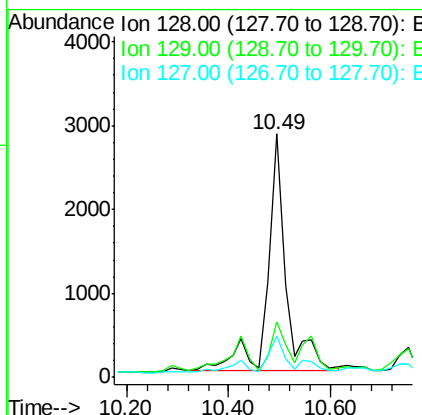
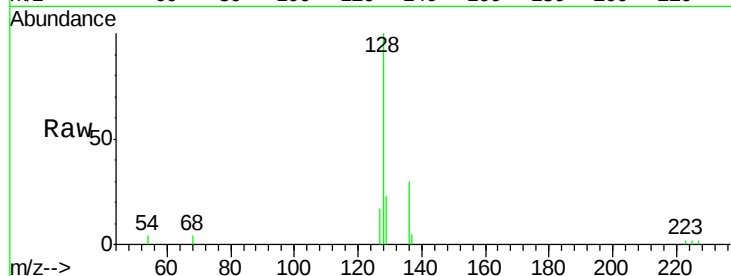




#10
Naphthalene
Concen: 0.34 ng
RT: 10.49 min Scan# 553
Delta R.T. -0.00 min
Lab File: BM004151.D
Acq: 29 Jan 2016 18:01

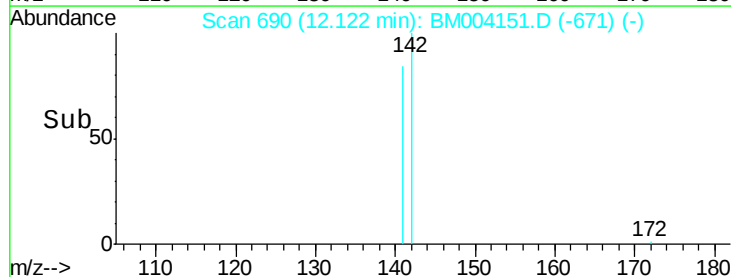
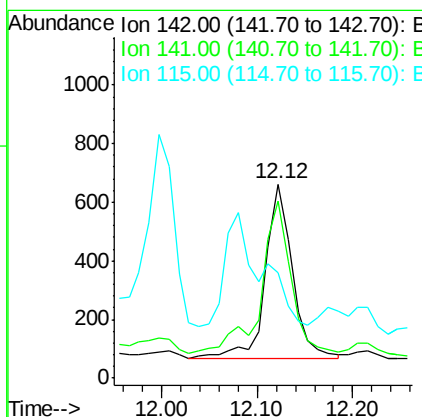
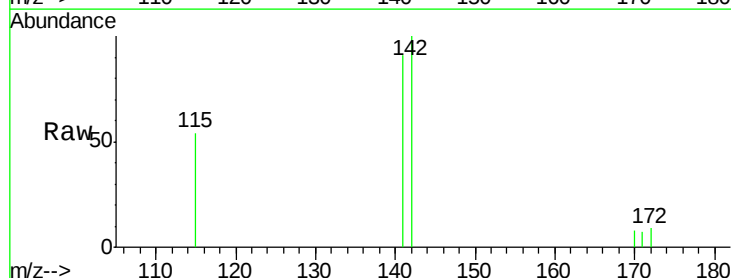
Instrument :
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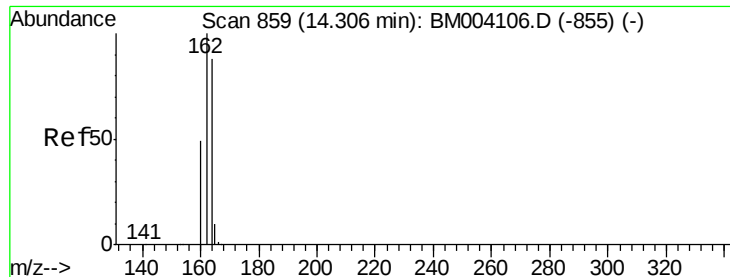
Tgt Ion:128 Resp: 7057
Ion Ratio Lower Upper
128 100
129 23.0 8.5 12.7#
127 17.2 11.0 16.4#



#12
2-Methylnaphthalene
Concen: 0.09 ng
RT: 12.12 min Scan# 690
Delta R.T. -0.00 min
Lab File: BM004151.D
Acq: 29 Jan 2016 18:01

Tgt Ion:142 Resp: 1174
Ion Ratio Lower Upper
142 100
141 91.0 67.8 101.8
115 54.0 25.3 37.9#





#13

Acenaphthene-d10

Concen: 5.00 ng

RT: 14.31 min Scan# 859

Delta R.T. -0.00 min

Lab File: BM004151.D

Acq: 29 Jan 2016 18:01

Instrument :

BNA_M

ClientSampleId :

YT-MW07

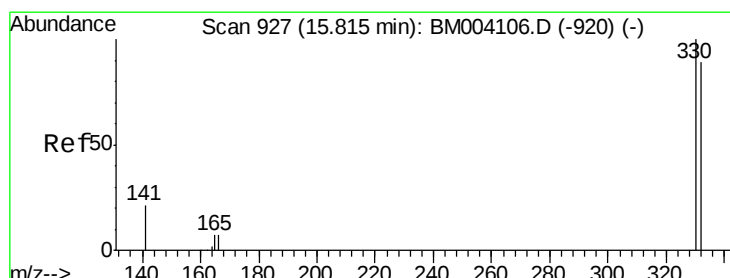
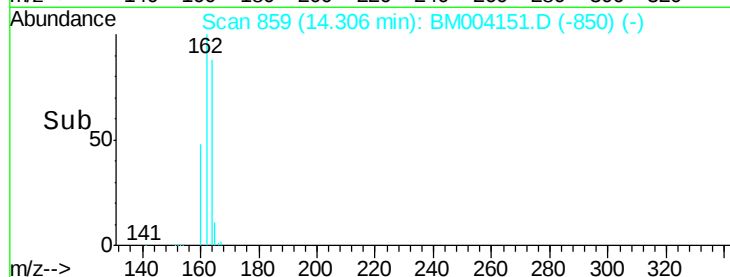
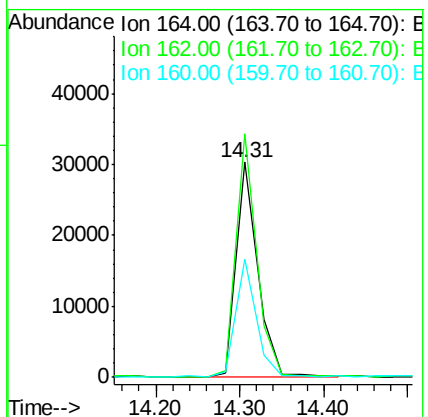
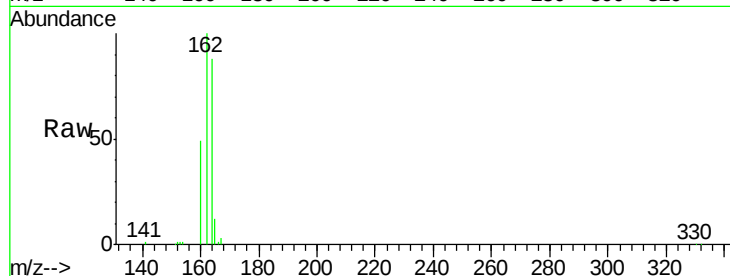
Tgt Ion:164 Resp: 52788

Ion Ratio Lower Upper

164 100

162 113.1 86.0 129.0

160 55.0 40.3 60.5



#14

2,4,6-Tribromophenol

Concen: 7.10 ng

RT: 15.82 min Scan# 927

Delta R.T. 0.00 min

Lab File: BM004151.D

Acq: 29 Jan 2016 18:01

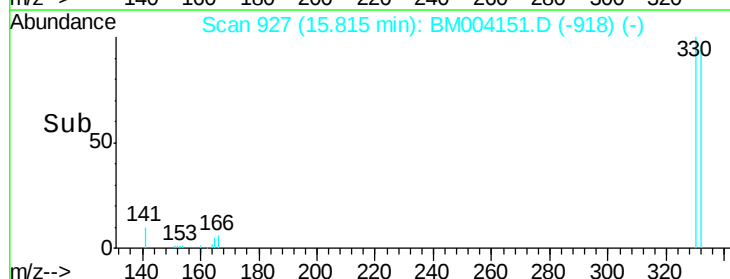
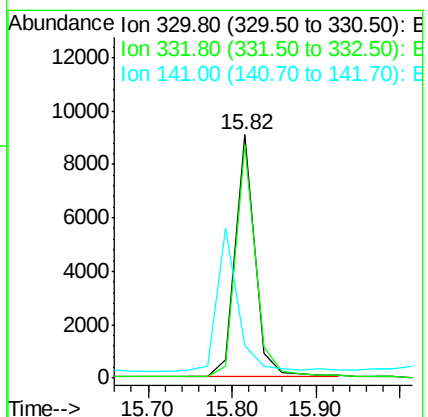
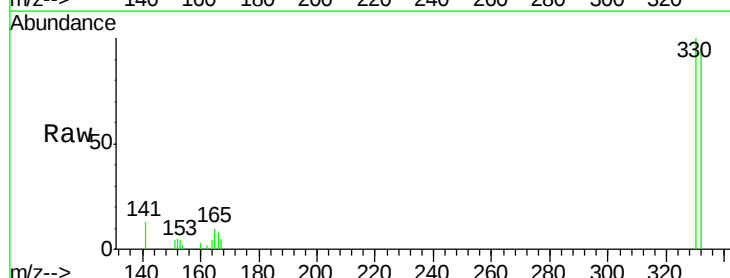
Tgt Ion:330 Resp: 14637

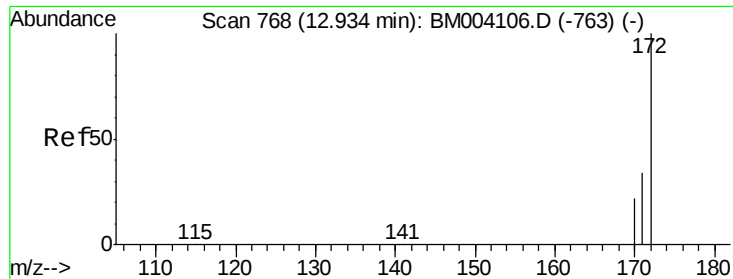
Ion Ratio Lower Upper

330 100

332 96.3 79.0 118.4

141 0.0 27.8 41.6#

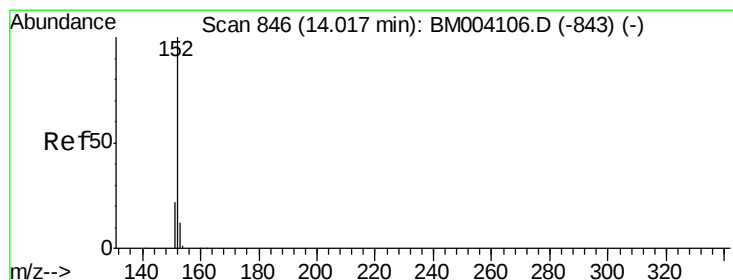
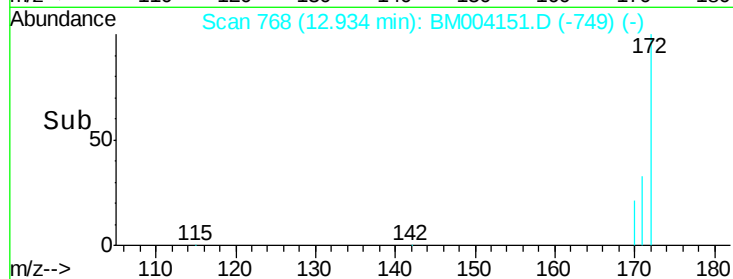
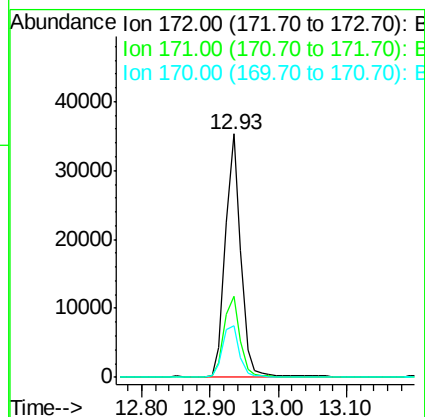
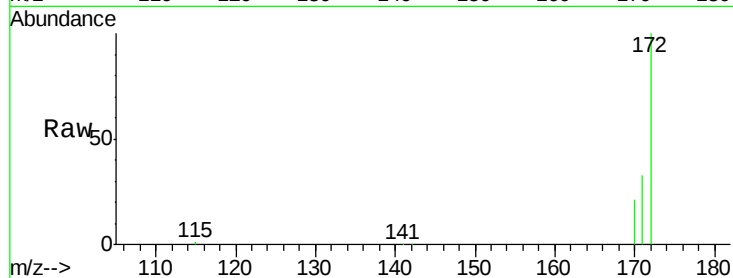




#15
2-Fluorobiphenyl
Concen: 3.40 ng
RT: 12.93 min Scan# 768
Delta R.T. -0.00 min
Lab File: BM004151.D
Acq: 29 Jan 2016 18:01

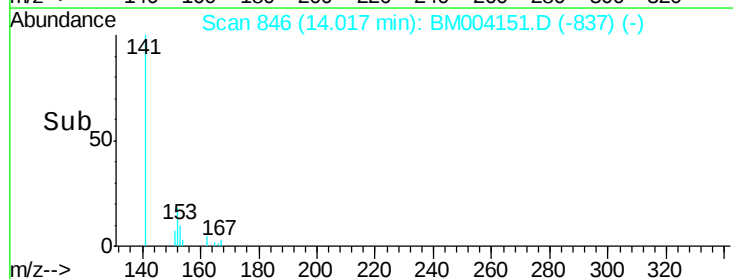
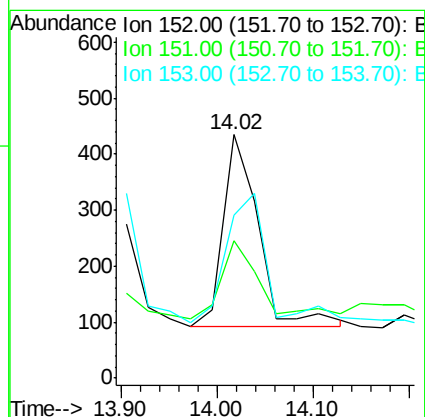
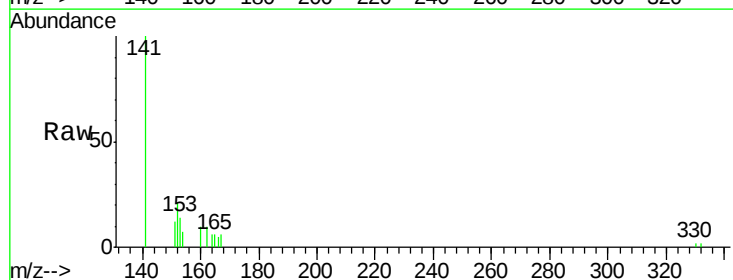
Instrument :
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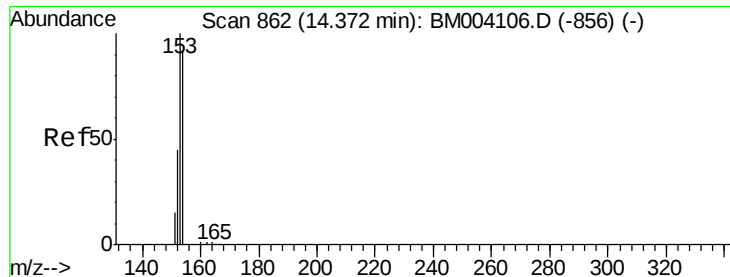
Tgt Ion:172 Resp: 54961
Ion Ratio Lower Upper
172 100
171 33.1 27.0 40.6
170 21.0 17.9 26.9



#16
Acenaphthylene
Concen: 0.04 ng
RT: 14.02 min Scan# 846
Delta R.T. -0.00 min
Lab File: BM004151.D
Acq: 29 Jan 2016 18:01

Tgt Ion:152 Resp: 880
Ion Ratio Lower Upper
152 100
151 41.0 15.8 23.8#
153 0.0 10.2 15.4#

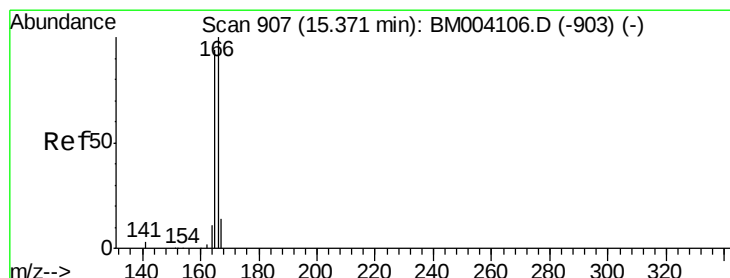
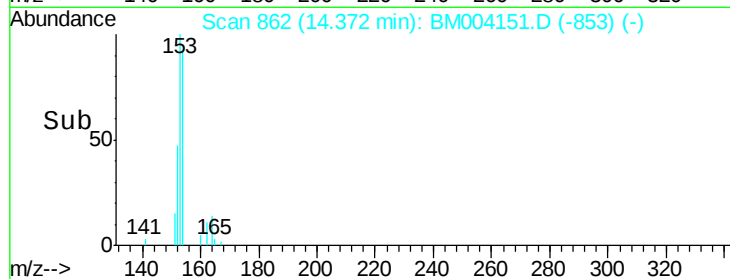
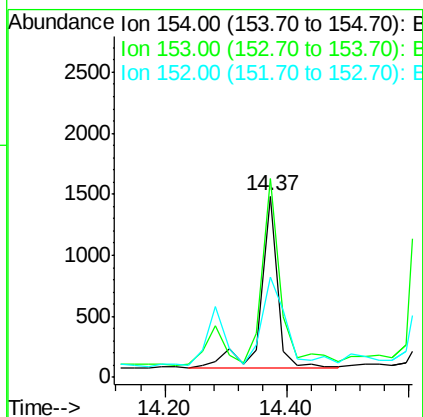
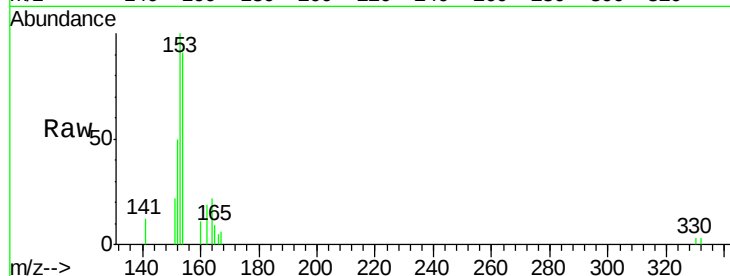




#17
Acenaphthene
Concen: 0.16 ng
RT: 14.37 min Scan# 862
Delta R.T. -0.00 min
Lab File: BM004151.D
Acq: 29 Jan 2016 18:01

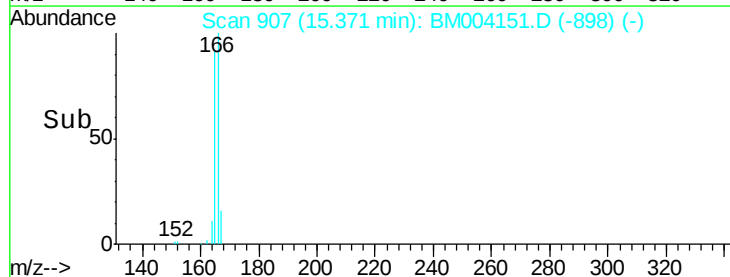
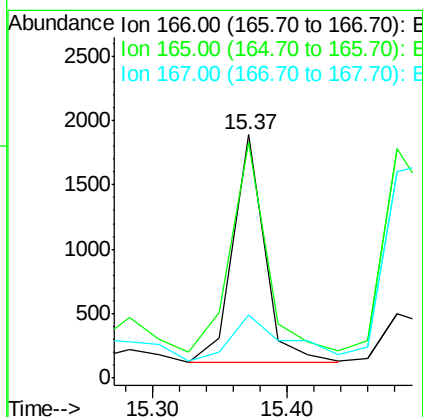
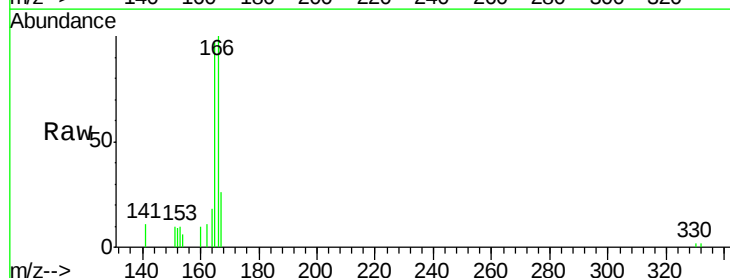
Instrument :
BNA_M
ClientSampleId :
YT-MW07

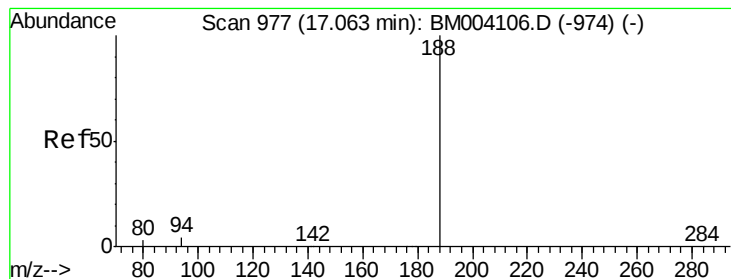
Tgt Ion:154 Resp: 2674
Ion Ratio Lower Upper
154 100
153 115.6 85.4 128.2
152 68.0 40.6 60.8#



#18
Fluorene
Concen: 0.14 ng
RT: 15.37 min Scan# 907
Delta R.T. -0.00 min
Lab File: BM004151.D
Acq: 29 Jan 2016 18:01

Tgt Ion:166 Resp: 2947
Ion Ratio Lower Upper
166 100
165 102.7 77.2 115.8
167 35.3 11.0 16.6#





#19

Phenanthrene-d10

Concen: 5.00 ng

RT: 17.06 min Scan# 977

Delta R.T. -0.00 min

Lab File: BM004151.D

Acq: 29 Jan 2016 18:01

Instrument :

BNA_M

ClientSampleId :

YT-MW07

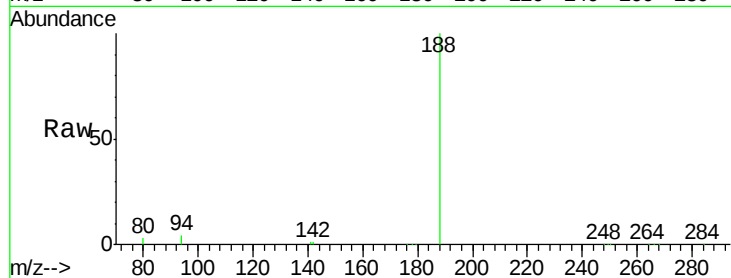
Tgt Ion:188 Resp: 143955

Ion Ratio Lower Upper

188 100

94 4.1 20.3 30.5#

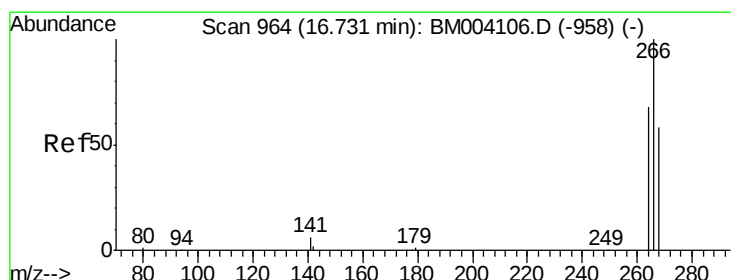
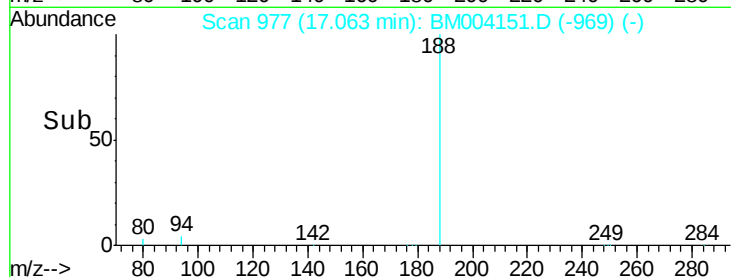
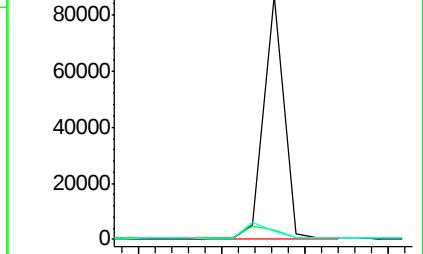
80 3.3 22.2 33.4#



Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BM

Ion 80.00 (79.70 to 80.70): BM



#22

Pentachlorophenol

Concen: 0.57 ng

RT: 16.73 min Scan# 964

Delta R.T. 0.00 min

Lab File: BM004151.D

Acq: 29 Jan 2016 18:01

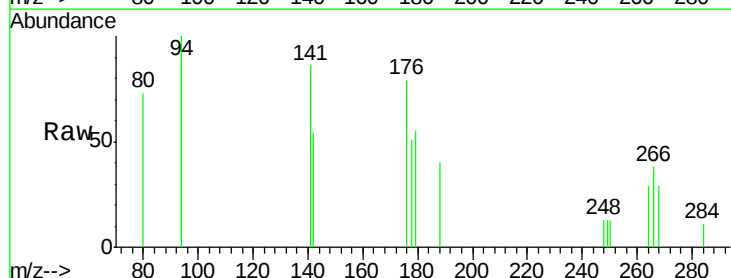
Tgt Ion:266 Resp: 509

Ion Ratio Lower Upper

266 100

268 75.1 62.7 94.1

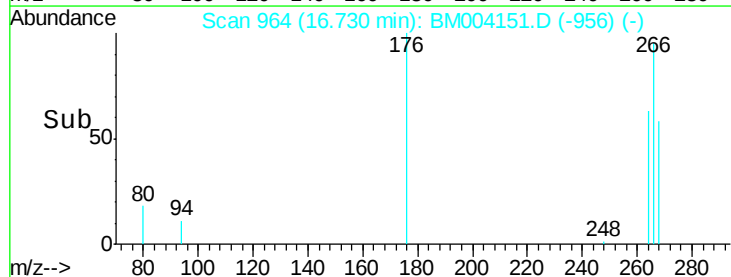
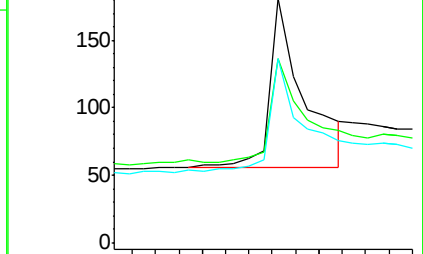
264 75.1 45.7 68.5#

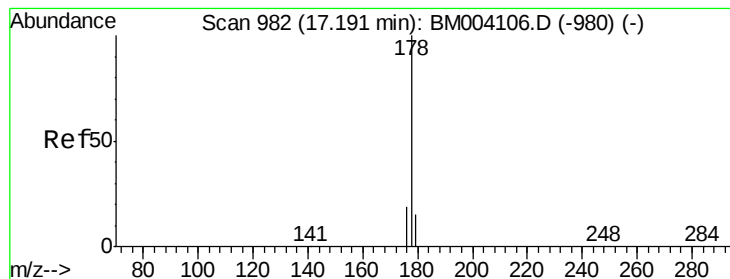


Abundance Ion 265.70 (265.40 to 266.40): E

Ion 268.00 (267.70 to 268.70): E

Ion 264.00 (263.70 to 264.70): E





#24

Anthracene

Concen: 0.05 ng

RT: 17.19 min Scan# 982

Delta R.T. -0.00 min

Lab File: BM004151.D

Acq: 29 Jan 2016 18:01

Instrument :

BNA_M

ClientSampleId :

YT-MW07

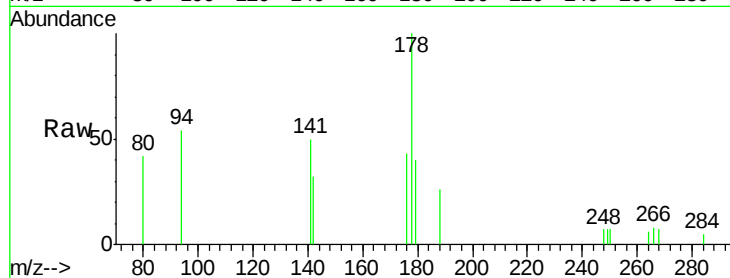
Tgt Ion:178 Resp: 1592

Ion Ratio Lower Upper

178 100

176 31.3 14.6 21.8#

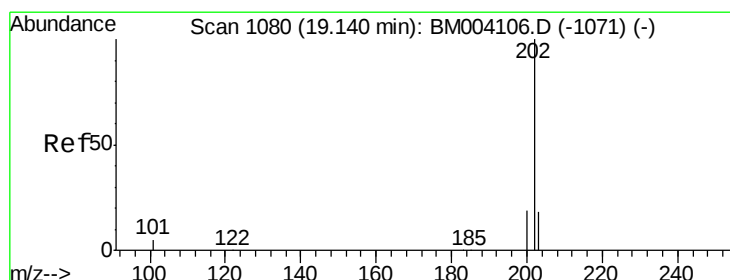
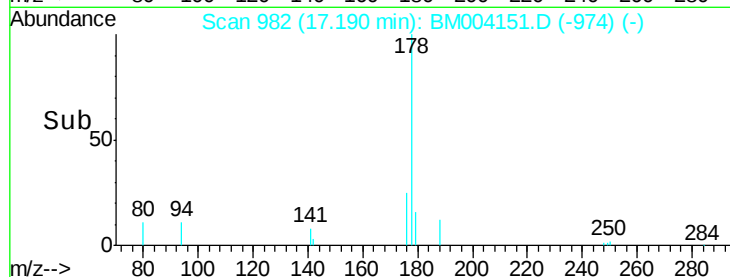
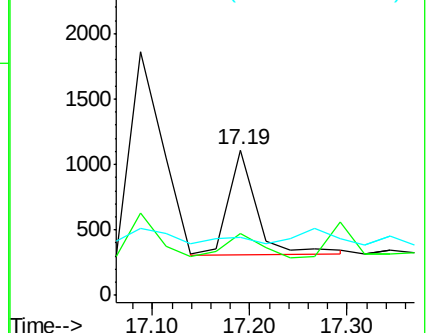
179 0.0 12.6 19.0#



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



#25

Fluoranthene

Concen: 0.02 ng

RT: 19.14 min Scan# 1080

Delta R.T. -0.00 min

Lab File: BM004151.D

Acq: 29 Jan 2016 18:01

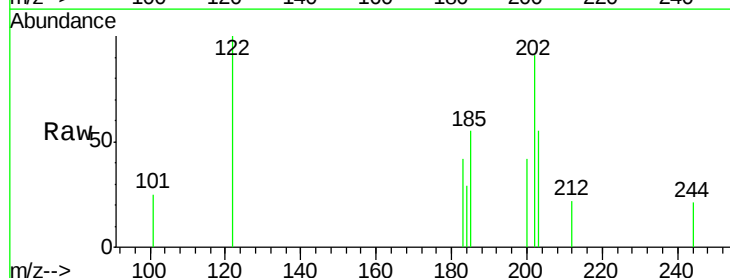
Tgt Ion:202 Resp: 899

Ion Ratio Lower Upper

202 100

101 19.4 9.7 14.5#

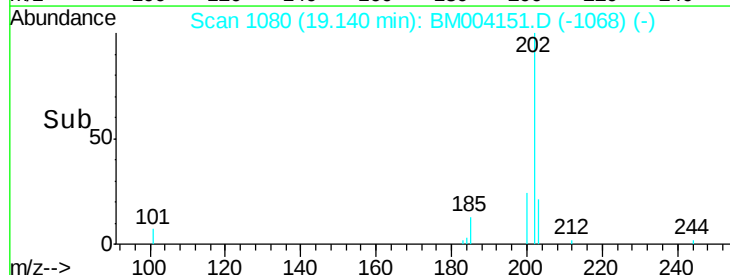
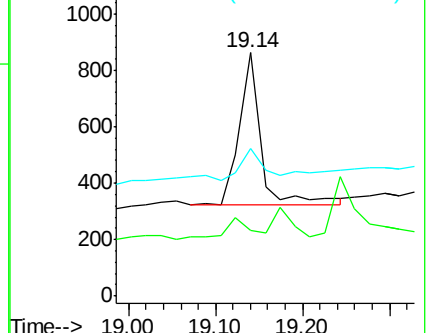
203 44.2 13.8 20.8#

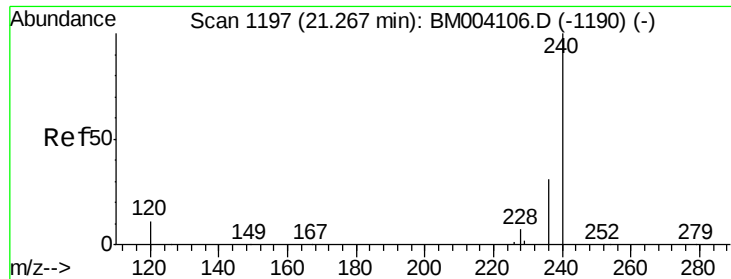


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E





#26

Chrysene-d12

Concen: 5.00 ng

RT: 21.27 min Scan# 1197

Delta R.T. -0.00 min

Lab File: BM004151.D

Acq: 29 Jan 2016 18:01

Instrument :

BNA_M

ClientSampleId :

YT-MW07

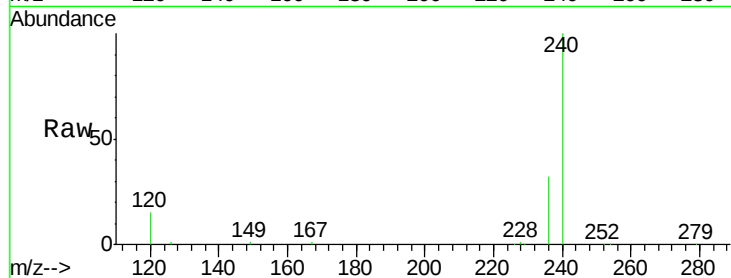
Tgt Ion:240 Resp: 144337

Ion Ratio Lower Upper

240 100

120 15.0 0.9 1.3#

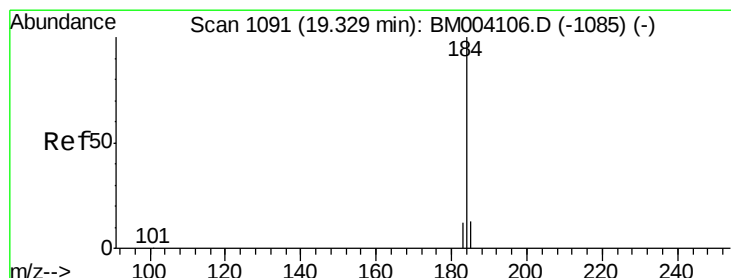
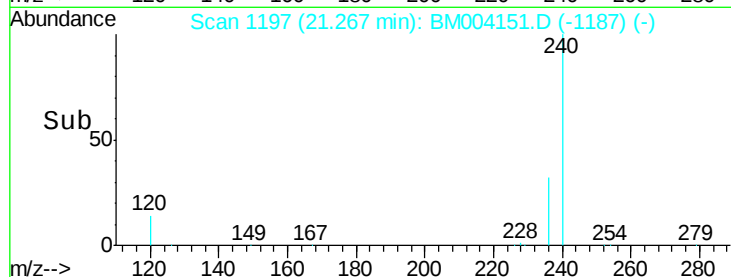
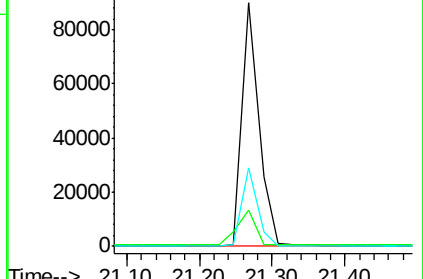
236 32.2 17.3 25.9#



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



#27

Benzidine

Concen: 0.18 ng

RT: 19.33 min Scan# 1091

Delta R.T. 0.00 min

Lab File: BM004151.D

Acq: 29 Jan 2016 18:01

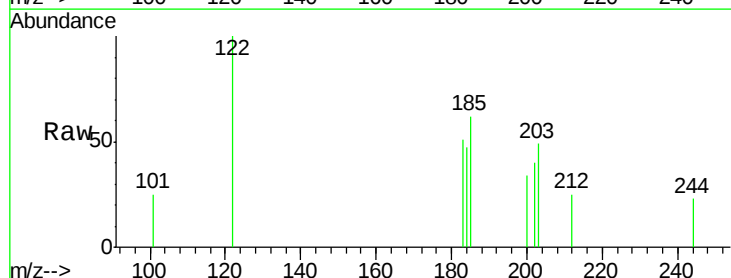
Tgt Ion:184 Resp: 502

Ion Ratio Lower Upper

184 100

185 132.2 13.2 19.8#

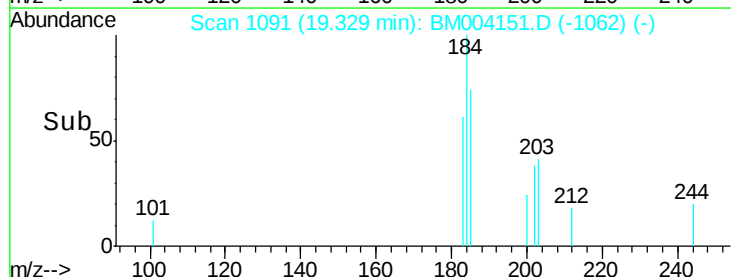
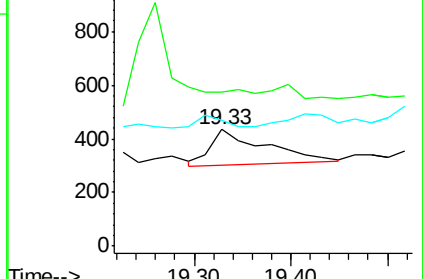
183 108.3 9.0 13.6#

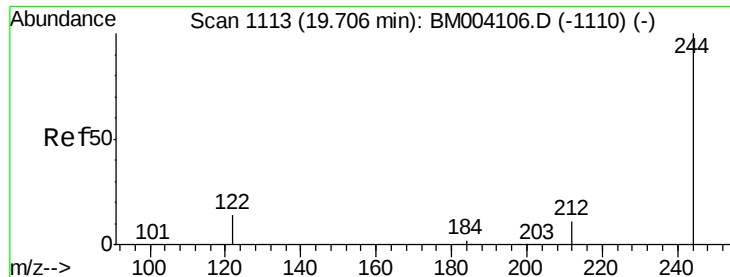


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E





#29

Terphenyl-d14

Concen: 4.68 ng

RT: 19.71 min Scan# 1113

Delta R.T. 0.00 min

Lab File: BM004151.D

Acq: 29 Jan 2016 18:01

Instrument :

BNA_M

ClientSampleId :

YT-MW07

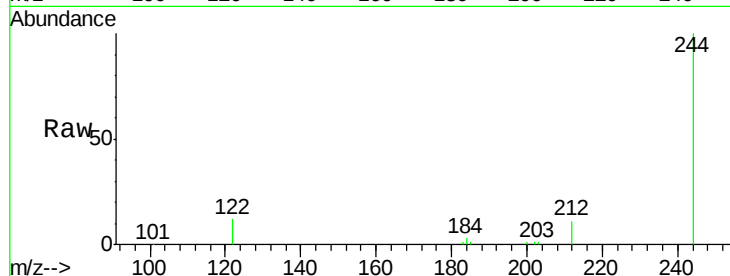
Tgt Ion:244 Resp: 85861

Ion Ratio Lower Upper

244 100

212 11.0 7.0 10.6#

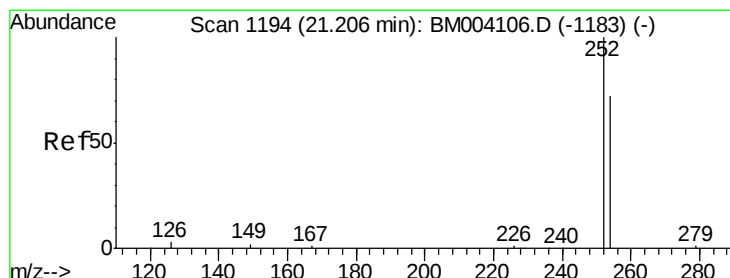
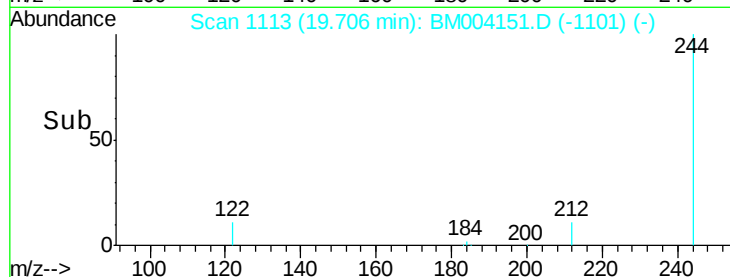
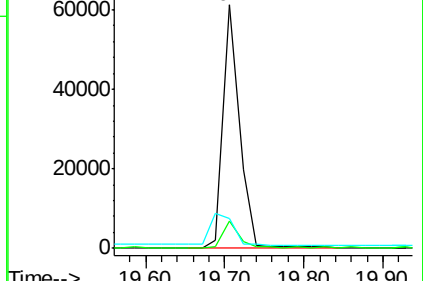
122 12.2 3.0 4.6#



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



#31

3,3'-Dichlorobenzidine

Concen: 0.04 ng

RT: 21.21 min Scan# 1194

Delta R.T. 0.00 min

Lab File: BM004151.D

Acq: 29 Jan 2016 18:01

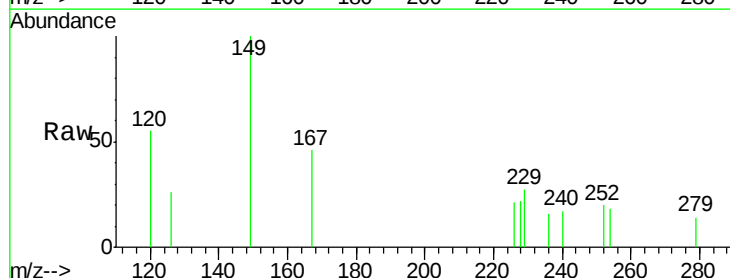
Tgt Ion:252 Resp: 197

Ion Ratio Lower Upper

252 100

254 90.6 52.6 79.0#

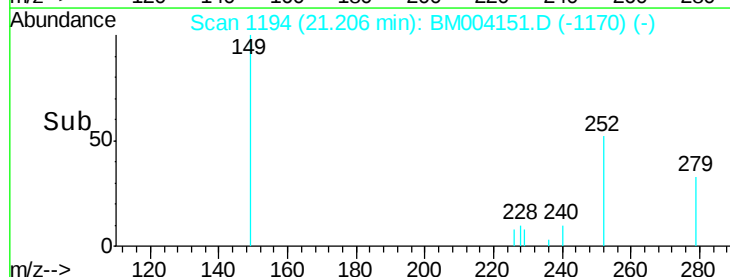
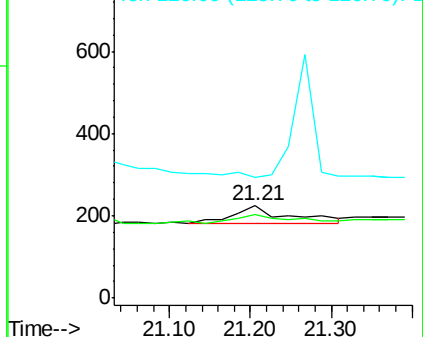
126 131.3 3.7 5.5#

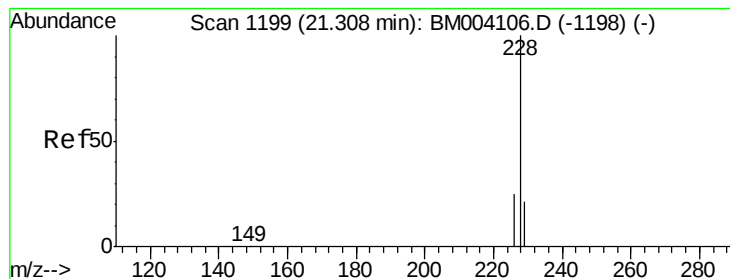


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 254.00 (253.70 to 254.70): E

Ion 126.00 (125.70 to 126.70): E





#32

Chrysene

Concen: Below Cal

RT: 21.27 min Scan# 1197

Delta R.T. -0.04 min

Lab File: BM004151.D

Acq: 29 Jan 2016 18:01

Instrument :

BNA_M

ClientSampleId :

YT-MW07

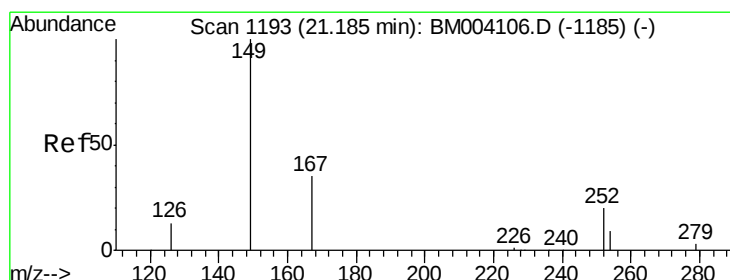
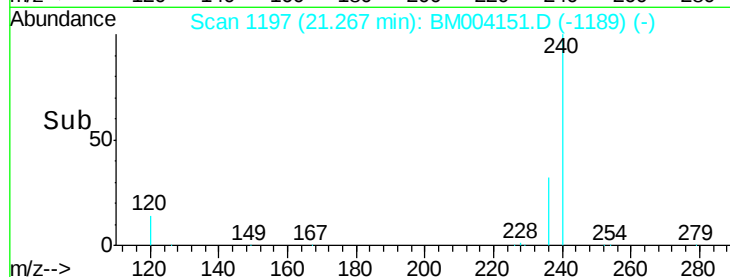
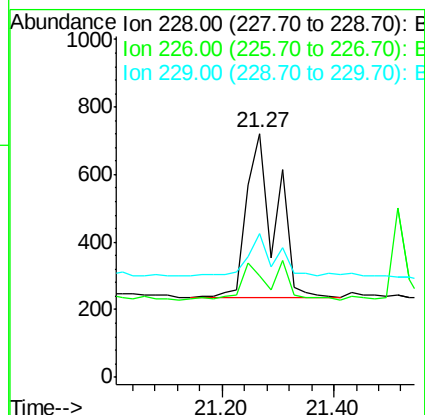
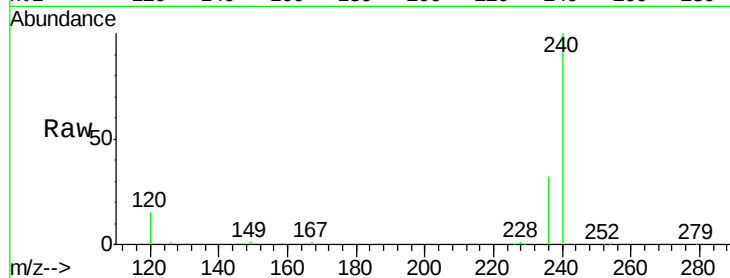
Tgt Ion:228 Resp: 1749

Ion Ratio Lower Upper

228 100

226 41.9 25.3 37.9#

229 59.2 14.5 21.7#



#33

Bis(2-ethylhexyl)phthalate

Concen: 0.33 ng

RT: 21.19 min Scan# 1193

Delta R.T. 0.00 min

Lab File: BM004151.D

Acq: 29 Jan 2016 18:01

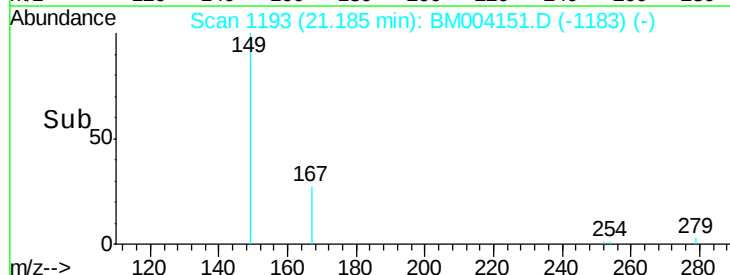
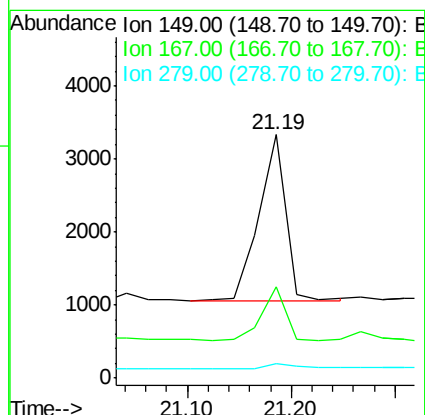
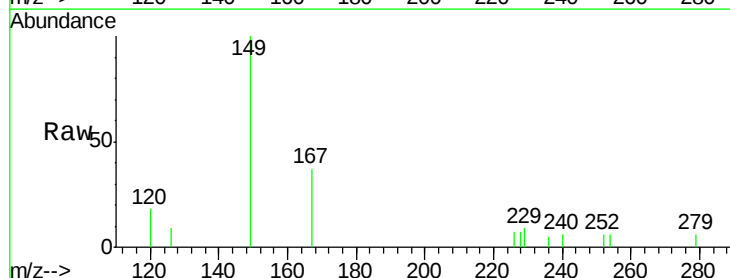
Tgt Ion:149 Resp: 4101

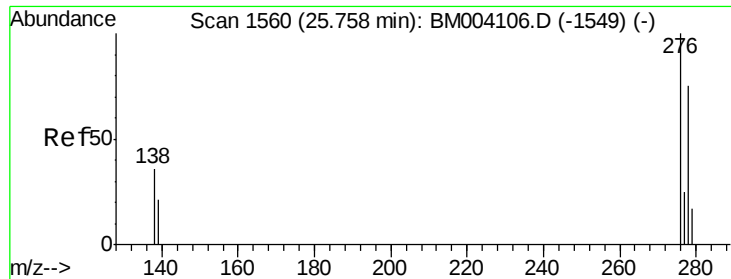
Ion Ratio Lower Upper

149 100

167 27.3 20.1 30.1

279 3.5 1.8 2.6#





#34

Indeno(1,2,3-cd)pyrene

Concen: 0.05 ng

RT: 25.77 min Scan# 1560

Delta R.T. 0.01 min

Lab File: BM004151.D

Acq: 29 Jan 2016 18:01

Instrument :

BNA_M

ClientSampleId :

YT-MW07

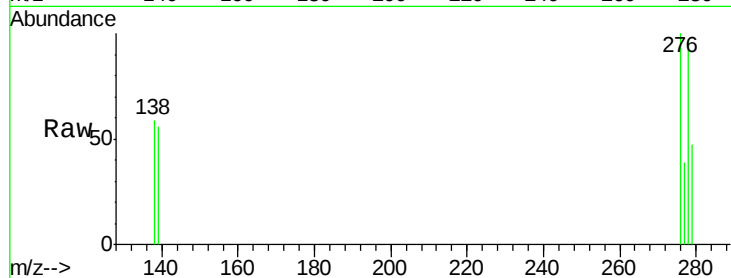
Tgt Ion:276 Resp: 1146

Ion Ratio Lower Upper

276 100

138 38.5 30.2 45.2

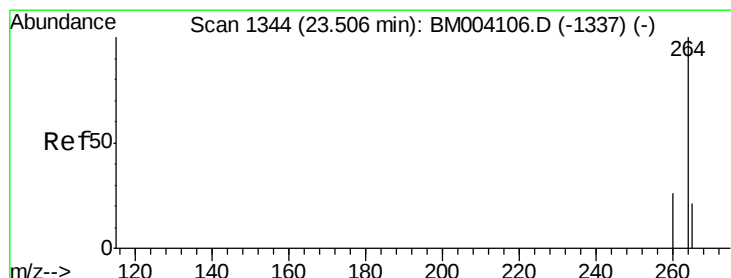
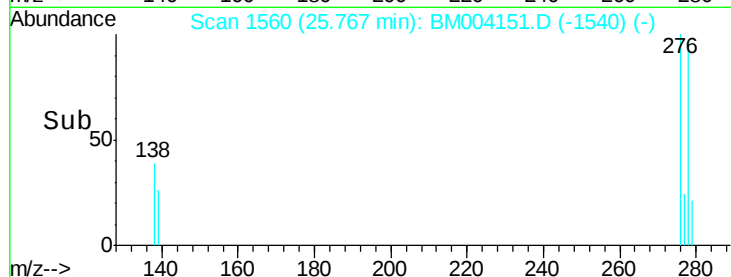
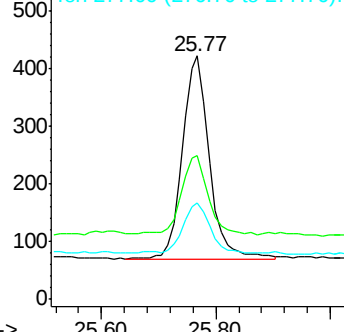
277 24.1 19.8 29.8



Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E



#35

Perylene-d12

Concen: 5.00 ng

RT: 23.51 min Scan# 1343

Delta R.T. -0.00 min

Lab File: BM004151.D

Acq: 29 Jan 2016 18:01

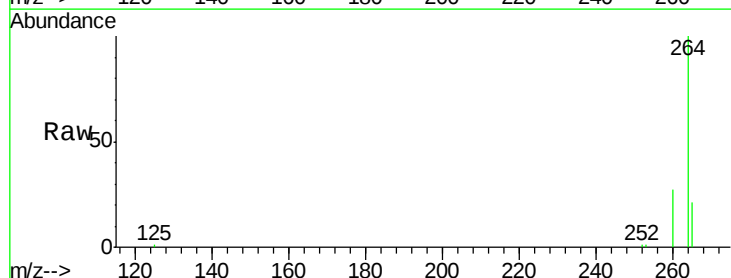
Tgt Ion:264 Resp: 148187

Ion Ratio Lower Upper

264 100

260 26.8 21.2 31.8

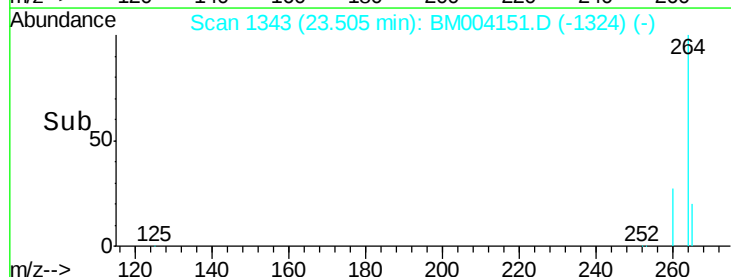
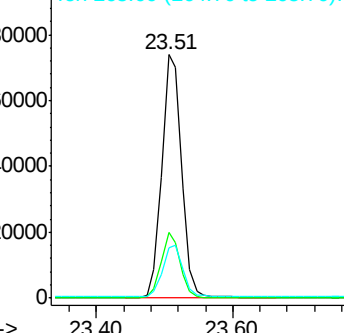
265 20.8 16.7 25.1

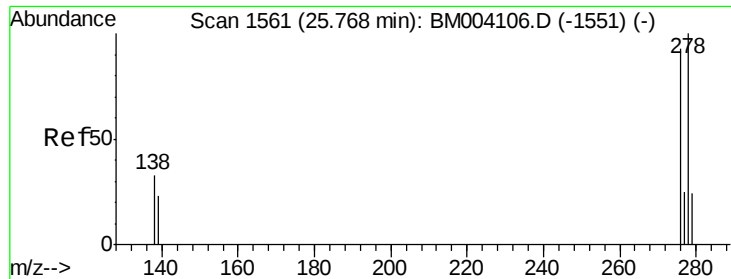


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E





#39

Dibenzo(a,h)anthracene

Concen: 0.03 ng

RT: 25.78 min Scan# 1561

Delta R.T. 0.01 min

Lab File: BM004151.D

Acq: 29 Jan 2016 18:01

Instrument :

BNA_M

ClientSampleId :

YT-MW07

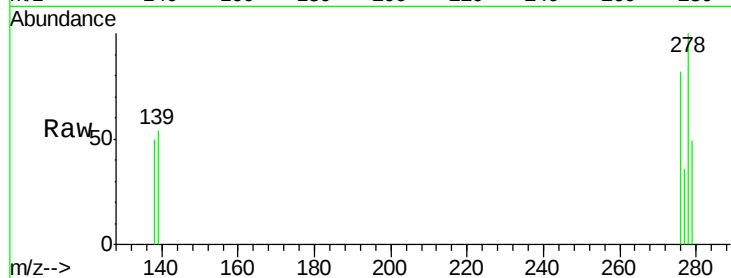
Tgt Ion: 278 Resp: 1144

Ion Ratio Lower Upper

278 100

139 54.3 19.0 28.6#

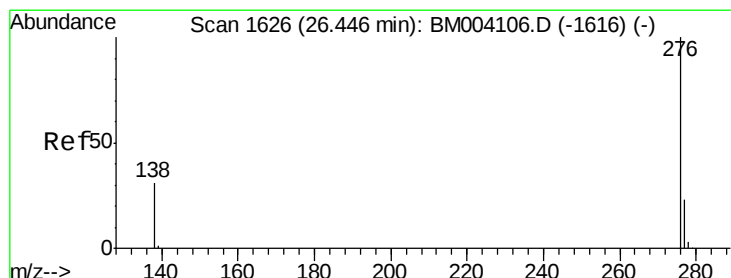
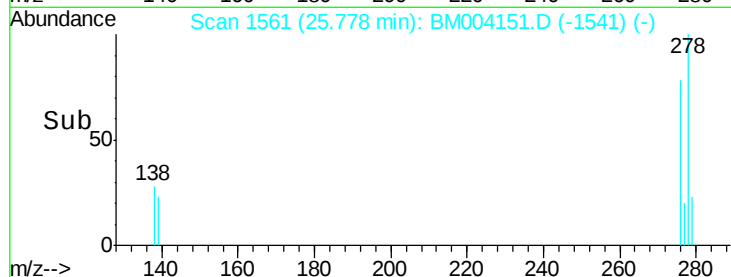
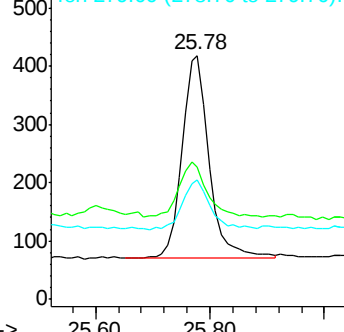
279 49.0 19.6 29.4#



Abundance Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E



#40

Benzo(g,h,i)perylene

Concen: 0.02 ng

RT: 26.46 min Scan# 1626

Delta R.T. 0.01 min

Lab File: BM004151.D

Acq: 29 Jan 2016 18:01

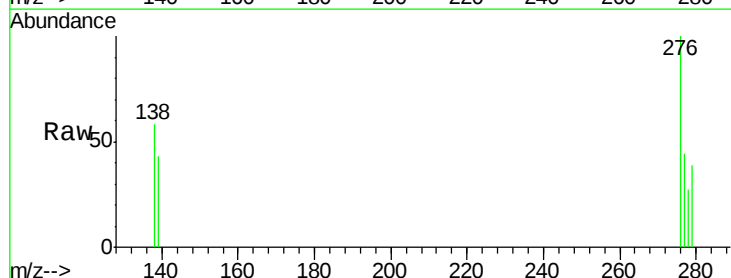
Tgt Ion: 276 Resp: 831

Ion Ratio Lower Upper

276 100

277 44.0 19.1 28.7#

138 57.7 25.0 37.4#



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

