

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM062215\
 Data File : BM001776.D
 Acq On : 22 Jun 2015 17:12
 Operator : TP/IZ
 Sample : G2474-05RE
 Misc : 4 TIME INT STD
 ALS Vial : 8 Sample Multiplier: 4

Instrument :
 BNA_M
 ClientSampleId :
 C-5

Quant Time: Jun 23 04:21:31 2015
 Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SIM-BM061915.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Jun 19 05:05:14 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.66	152	65207	5.00	ng	0.00
6) Naphthalene-d8	10.46	136	237705	5.00	ng	0.00
12) Acenaphthene-d10	14.32	164	114755	5.00	ng	0.00
18) Phenanthrene-d10	17.06	188	312953	5.00	ng	0.00
25) Chrysene-d12	21.27	240	199191	5.00	ng	0.02
32) Perylene-d12	23.48	264	191790	5.00	ng	0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) 2-Fluorophenol	5.25	112	155447	40.79	ng	0.00
5) Phenol-d6	6.83	99	128139	26.12	ng	0.00
7) Nitrobenzene-d5	8.83	82	350282	75.54	ng	0.00
13) 2,4,6-Tribromophenol	15.80	330	89376	99.76	ng	0.00
14) 2-Fluorobiphenyl	12.94	172	634577	61.89	ng	0.00
27) Terphenyl-d14	19.71	244	455416	62.06	ng	0.01

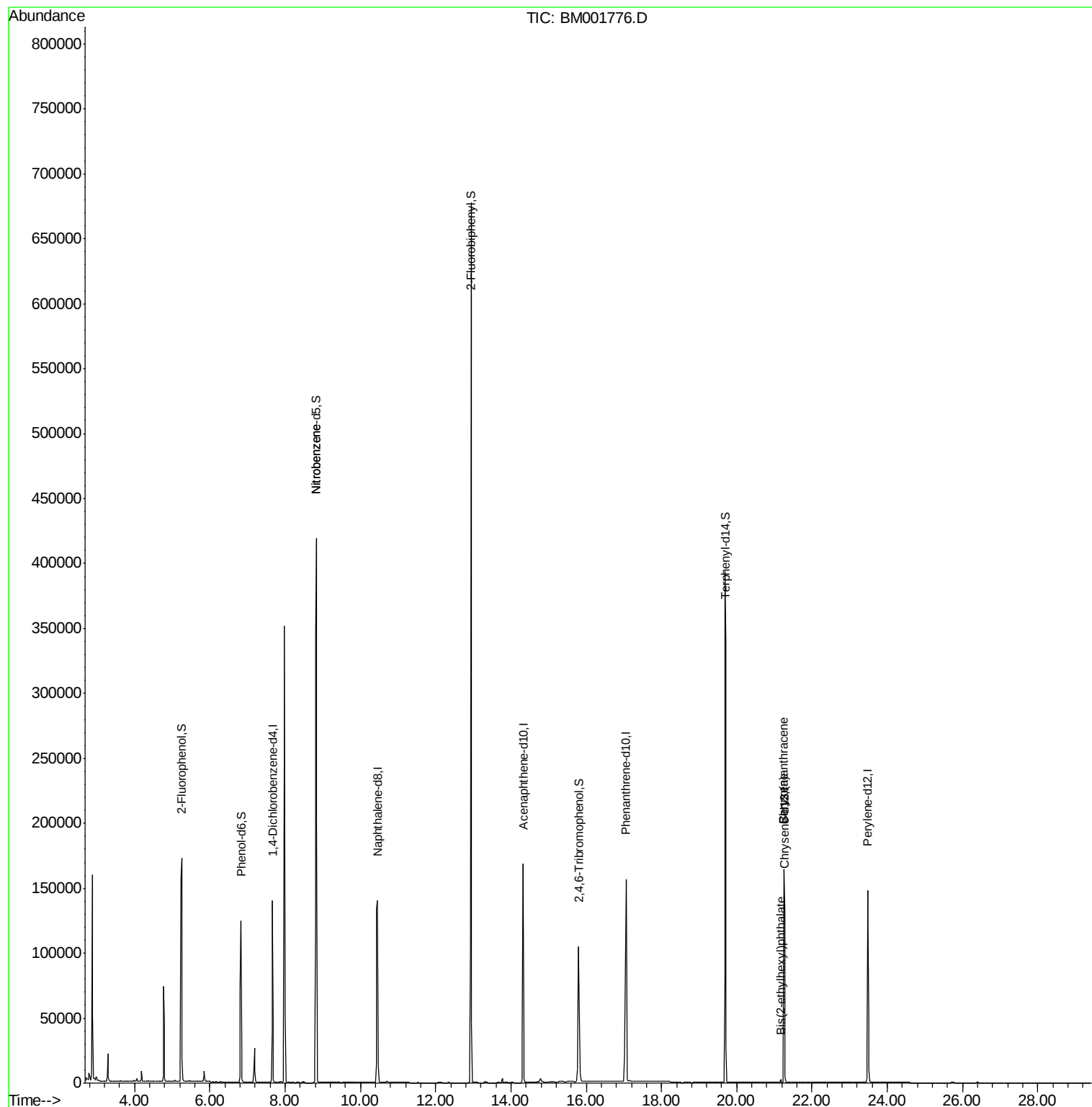
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) 1,4-Dioxane	3.18	88	63	0.03	ng	# 16
8) Nitrobenzene	8.83	77	1241	0.25	ng	# 40
9) Naphthalene	10.49	128	515	0.04	ng	# 60
11) 2-Methylnaphthalene	12.13	142	204	0.02	ng	# 88
17) Fluorene	15.36	166	265	0.04	ng	# 84
21) Pentachlorophenol	16.65	266	41	0.04	ng	# 67
22) Phenanthrene	17.09	178	1932	0.07	ng	# 84
24) Fluoranthene	19.13	202	619	0.04	ng	# 88
26) Pyrene	19.49	202	597	0.03	ng	# 96
28) Benzo(a)anthracene	21.25	228	1356	0.09	ng	# 84
29) Chrysene	21.25	228	1356	0.09	ng	# 76
30) Bis(2-ethylhexyl)phthalate	21.18	149	3148	0.36	ng	# 99
31) Indeno(1,2,3-cd)pyrene	25.71	276	328	0.02	ng	# 88
33) Benzo(b)fluoranthene	22.81	252	433	0.03	ng	# 22
37) Benzo(g,h,i)perylene	26.40	276	308	0.02	ng	# 45

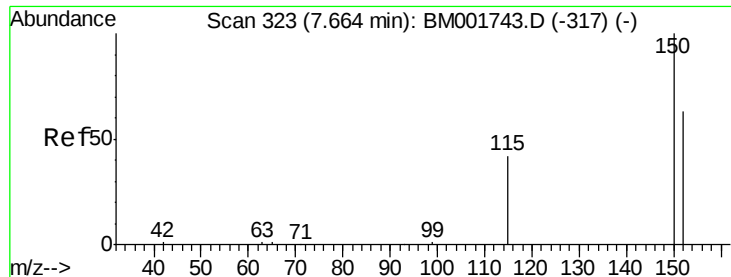
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 5.00 ng

RT: 7.66 min Scan# 323

Delta R.T. 0.00 min

Lab File: BM001776.D

Acq: 22 Jun 2015 17:12

Instrument :

BNA_M

ClientSampleId :

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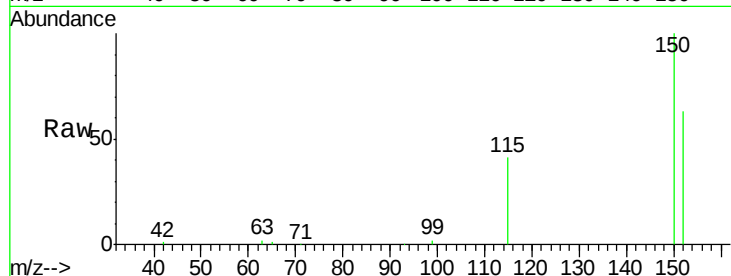
Tgt Ion:152 Resp: 65207

Ion Ratio Lower Upper

152 100

150 158.7 127.5 191.3

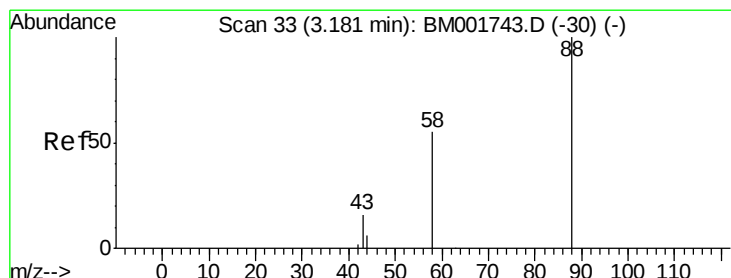
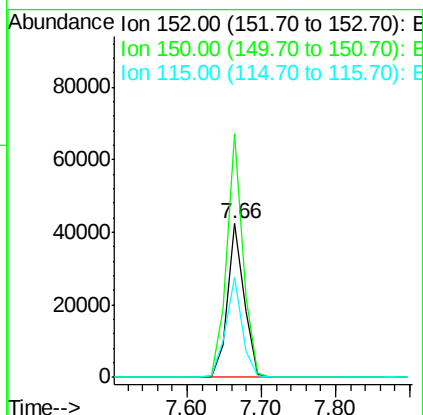
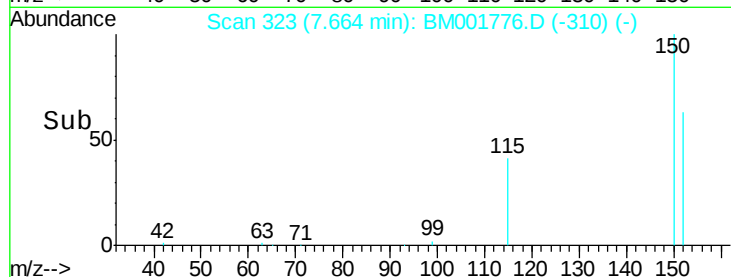
115 65.2 53.2 79.8



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: 0.03 ng

RT: 3.18 min Scan# 33

Delta R.T. 0.00 min

Lab File: BM001776.D

Acq: 22 Jun 2015 17:12

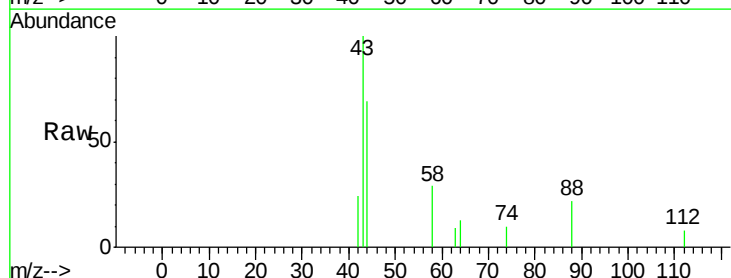
Tgt Ion: 88 Resp: 63

Ion Ratio Lower Upper

88 100

58 0.0 68.3 102.5#

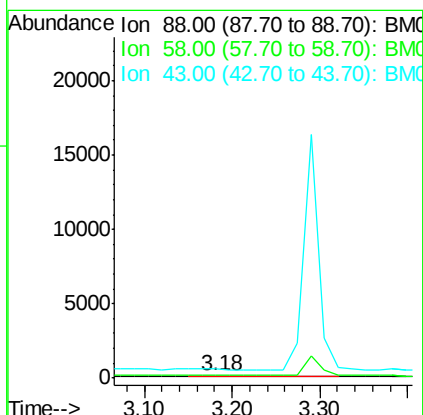
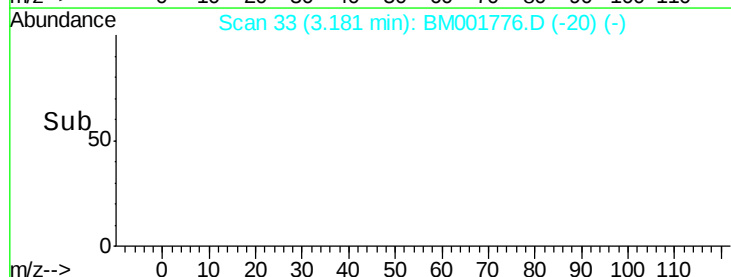
43 0.0 32.6 48.8#

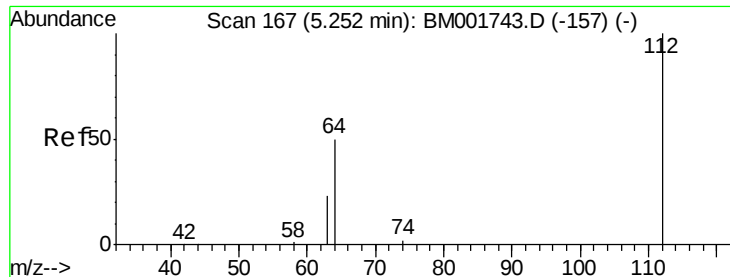


Abundance Ion 88.00 (87.70 to 88.70): BM0

Ion 58.00 (57.70 to 58.70): BM0

Ion 43.00 (42.70 to 43.70): BM0





#4

2-Fluorophenol

Concen: 40.79 ng

RT: 5.25 min Scan# 167

Delta R.T. 0.00 min

Lab File: BM001776.D

Acq: 22 Jun 2015 17:12

Instrument :

BNA_M

ClientSampleId :

C-5

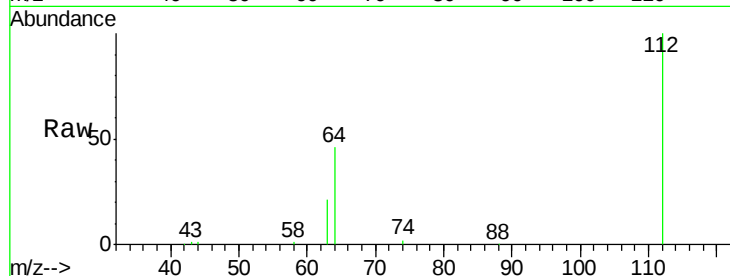
Tgt Ion: 112 Resp: 155447

Ion Ratio Lower Upper

112 100

64 69.4 55.6 83.4

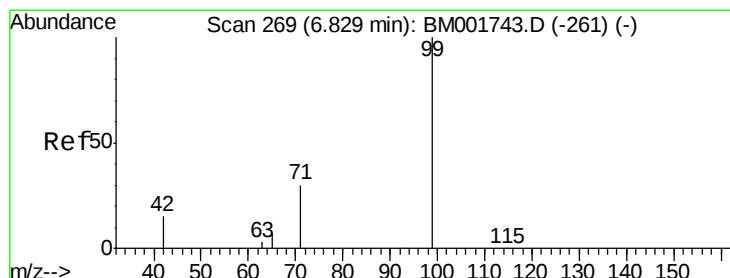
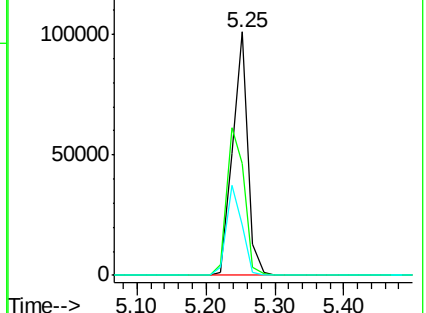
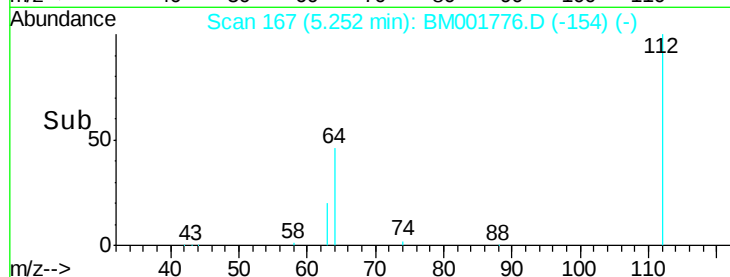
63 37.7 30.2 45.2



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



#5

Phenol-d6

Concen: 26.12 ng

RT: 6.83 min Scan# 269

Delta R.T. 0.00 min

Lab File: BM001776.D

Acq: 22 Jun 2015 17:12

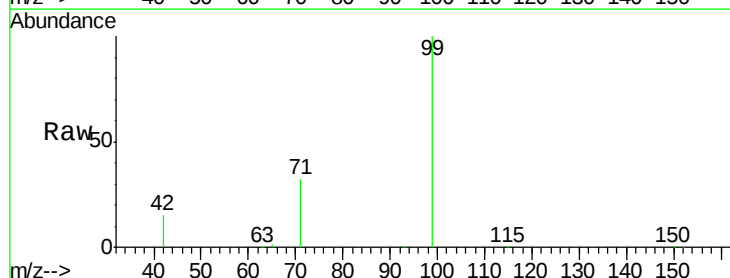
Tgt Ion: 99 Resp: 128139

Ion Ratio Lower Upper

99 100

42 25.3 21.4 32.0

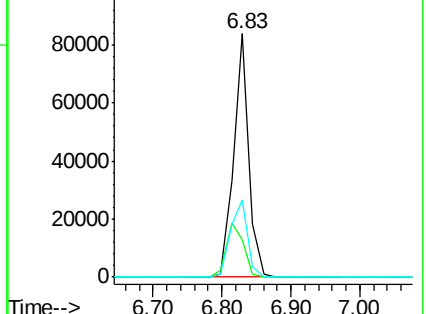
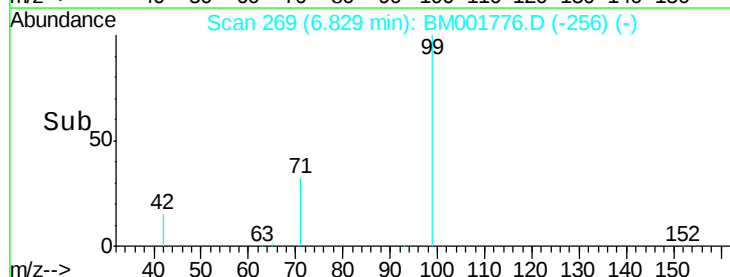
71 36.0 28.3 42.5

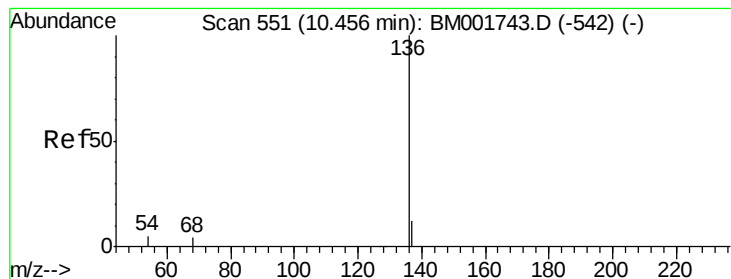


Abundance Ion 99.00 (98.70 to 99.70): B

Ion 42.00 (41.70 to 42.70): B

Ion 71.00 (70.70 to 71.70): B





#6

Naphthalene-d8

Concen: 5.00 ng

RT: 10.46 min Scan# 551

Delta R.T. 0.00 min

Lab File: BM001776.D

Acq: 22 Jun 2015 17:12

Instrument :

BNA_M

ClientSampleId :

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Tgt Ion:136 Resp: 237705

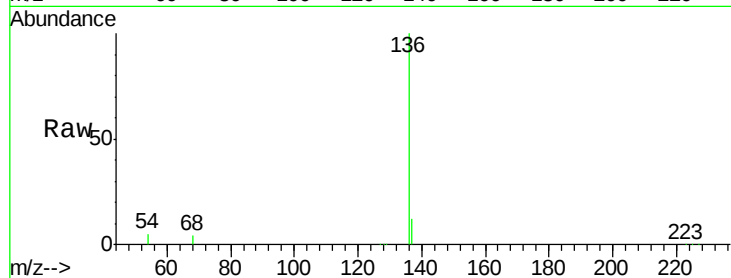
Ion Ratio Lower Upper

136 100

137 11.6 9.4 14.0

54 5.3 4.4 6.6

68 3.7 3.1 4.7

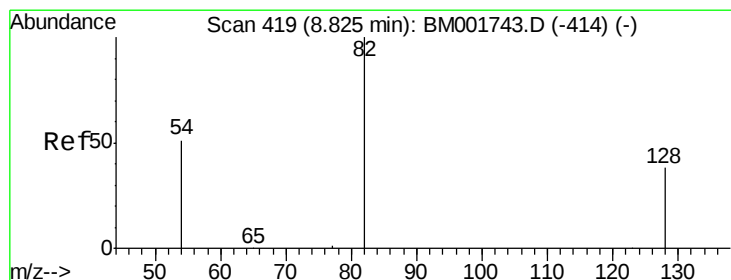
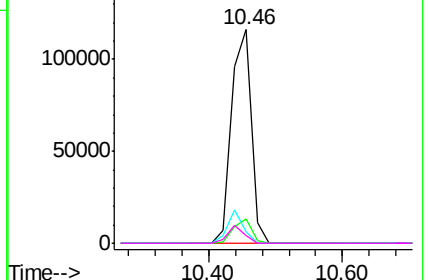
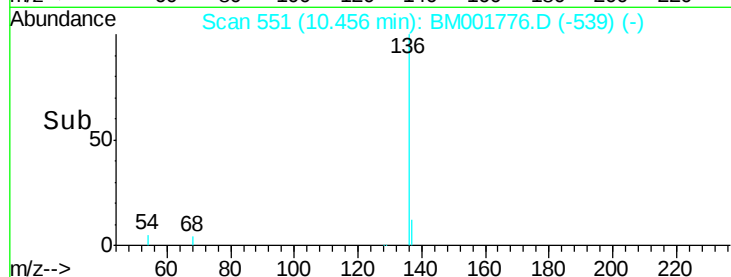


Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BM

Ion 68.00 (67.70 to 68.70): BM



#7

Nitrobenzene-d5

Concen: 75.54 ng

RT: 8.83 min Scan# 419

Delta R.T. 0.00 min

Lab File: BM001776.D

Acq: 22 Jun 2015 17:12

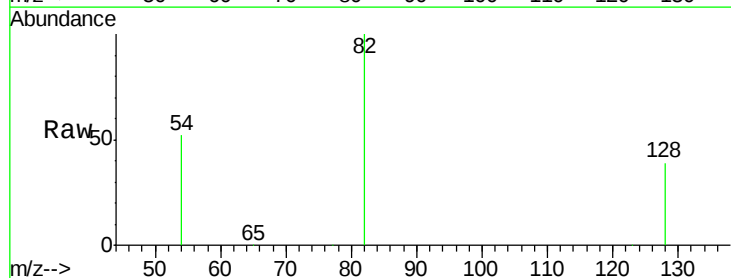
Tgt Ion: 82 Resp: 350282

Ion Ratio Lower Upper

82 100

128 38.9 31.3 46.9

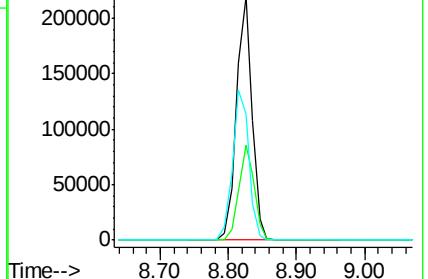
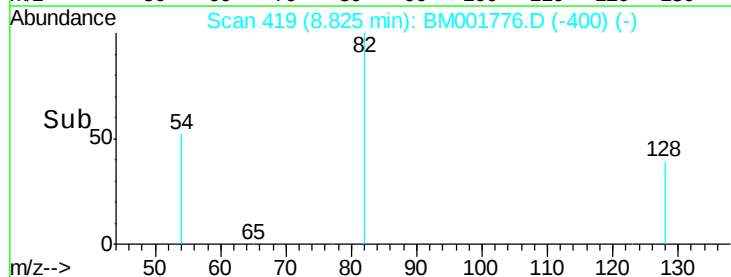
54 51.8 41.9 62.9

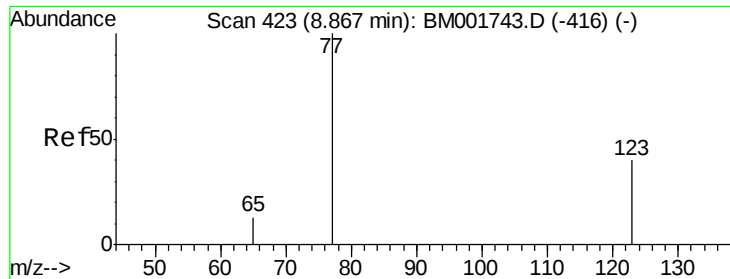


Abundance Ion 82.00 (81.70 to 82.70): BM

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BM





#8

Nitrobenzene

Concen: 0.25 ng

RT: 8.83 min Scan# 419

Delta R.T. -0.04 min

Lab File: BM001776.D

Acq: 22 Jun 2015 17:12

Instrument :

BNA_M

ClientSampled :

C-5

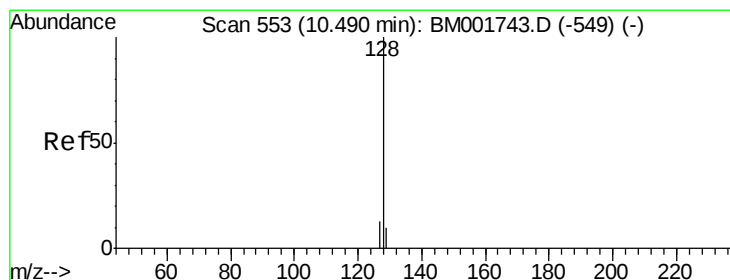
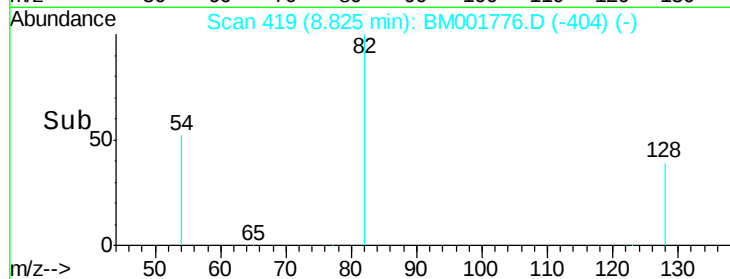
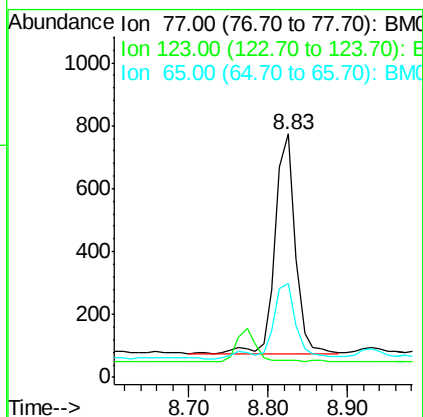
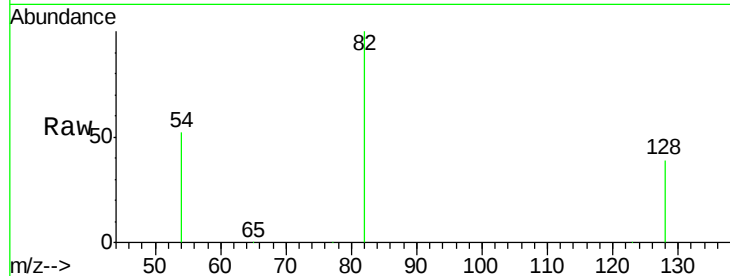
Tgt Ion: 77 Resp: 1241

Ion Ratio Lower Upper

77 100

123 0.0 30.1 45.1#

65 36.2 11.3 16.9#



#9

Naphthalene

Concen: 0.04 ng

RT: 10.49 min Scan# 553

Delta R.T. 0.00 min

Lab File: BM001776.D

Acq: 22 Jun 2015 17:12

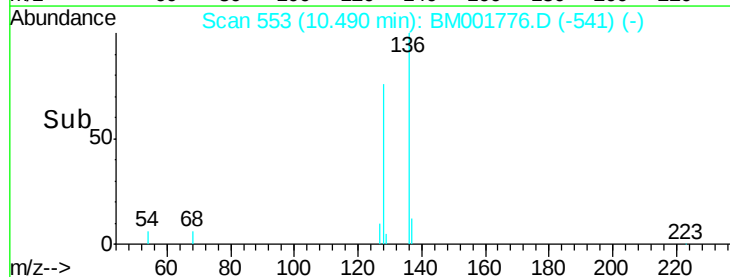
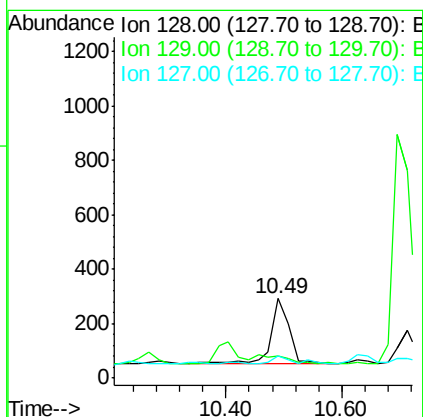
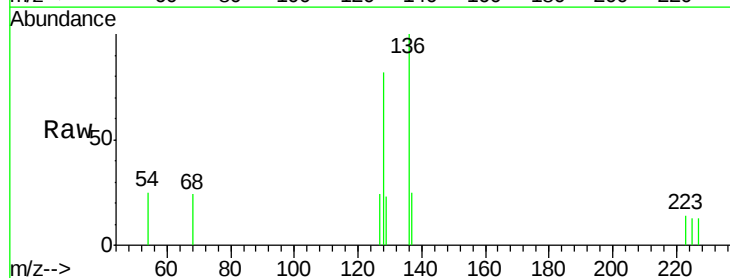
Tgt Ion: 128 Resp: 515

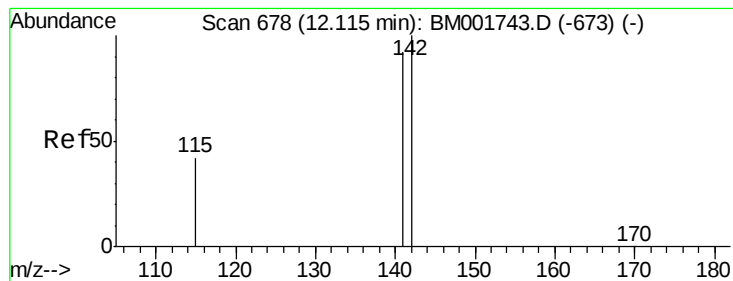
Ion Ratio Lower Upper

128 100

129 27.8 8.7 13.1#

127 28.5 11.2 16.8#





#11

2-Methylnaphthalene

Concen: 0.02 ng

RT: 12.13 min Scan# 679

Delta R.T. 0.01 min

Lab File: BM001776.D

Acq: 22 Jun 2015 17:12

Instrument :

BNA_M

ClientSampleId :

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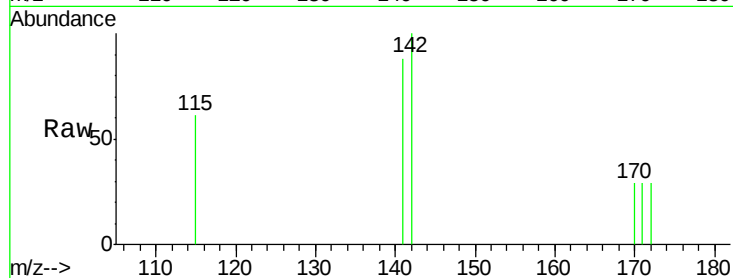
Tgt Ion:142 Resp: 204

Ion Ratio Lower Upper

142 100

141 87.8 73.6 110.4

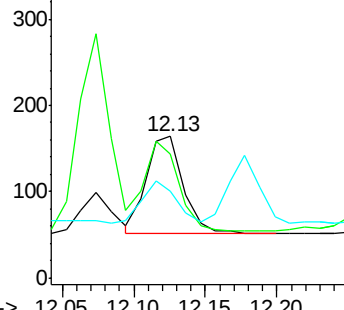
115 61.0 34.1 51.1#



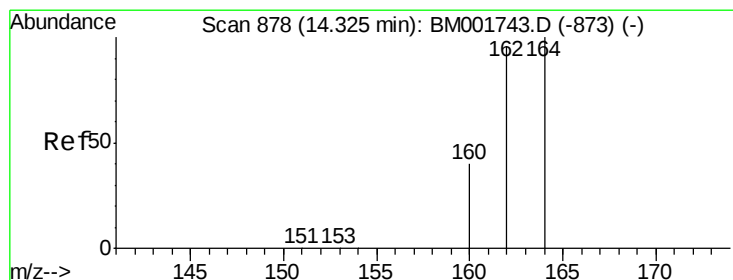
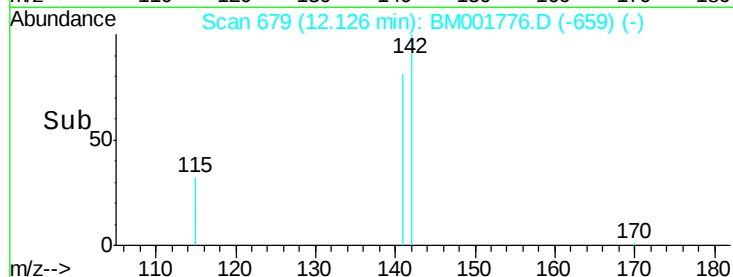
Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 115.00 (114.70 to 115.70): E



Time-->



#12

Acenaphthene-d10

Concen: 5.00 ng

RT: 14.32 min Scan# 878

Delta R.T. 0.00 min

Lab File: BM001776.D

Acq: 22 Jun 2015 17:12

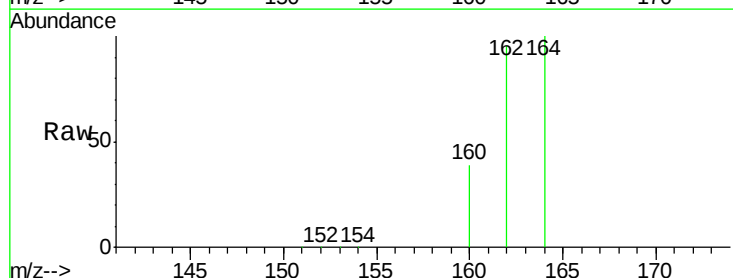
Tgt Ion:164 Resp: 114755

Ion Ratio Lower Upper

164 100

162 94.5 76.6 114.8

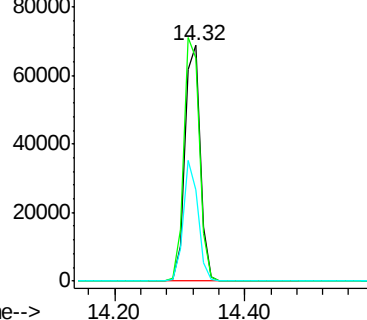
160 38.5 31.8 47.8



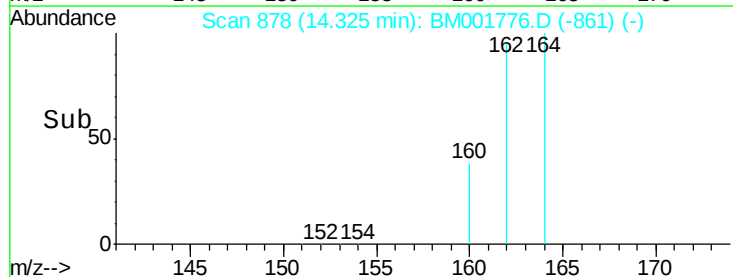
Abundance Ion 164.00 (163.70 to 164.70): E

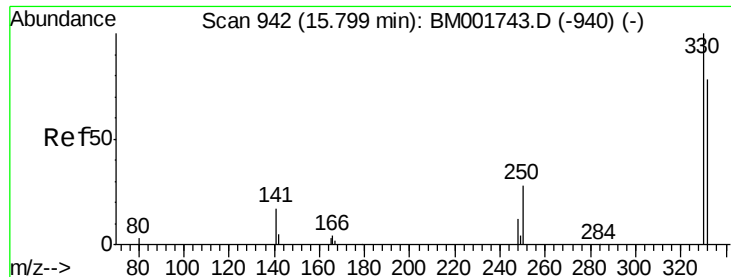
Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E



Time-->

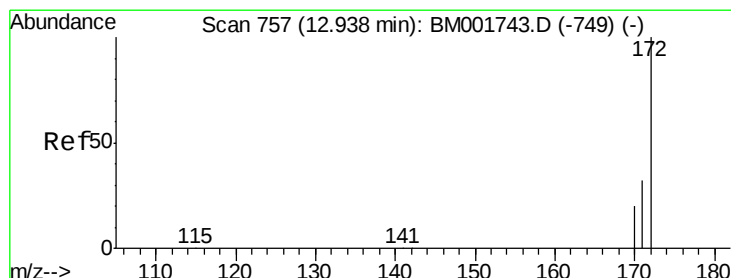
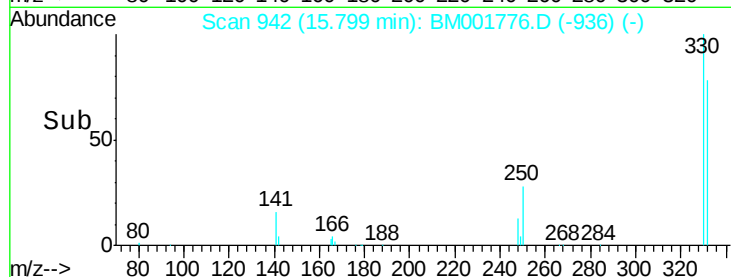
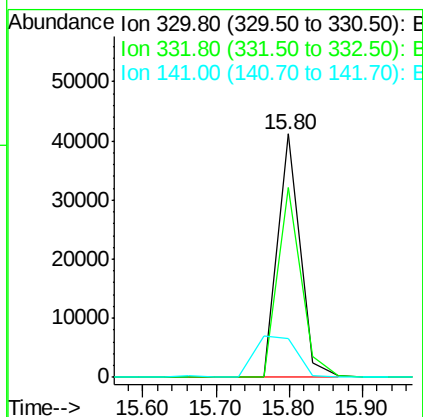
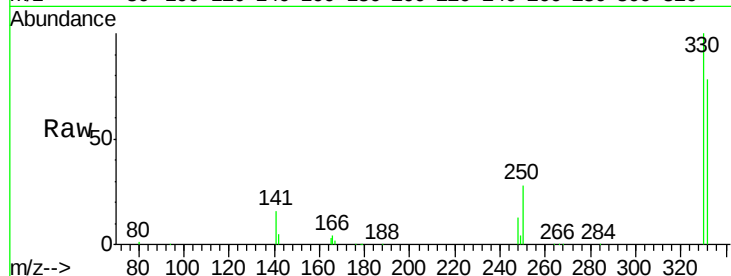




#13
 2,4,6-Tribromophenol
 Concen: 99.76 ng
 RT: 15.80 min Scan# 942
 Delta R.T. 0.00 min
 Lab File: BM001776.D
 Acq: 22 Jun 2015 17:12

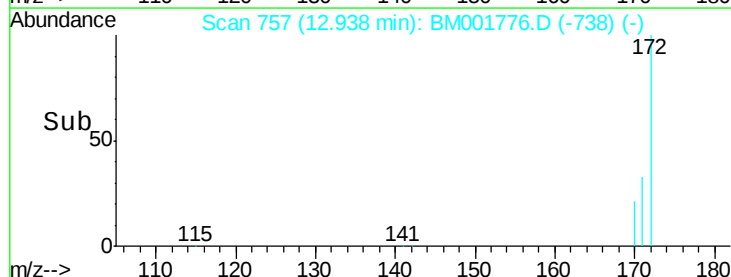
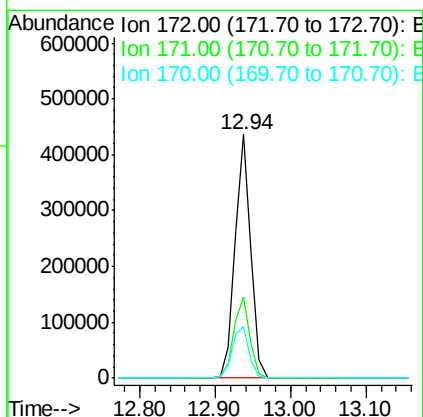
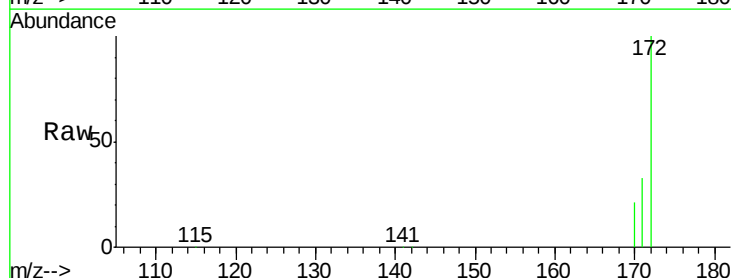
Instrument :
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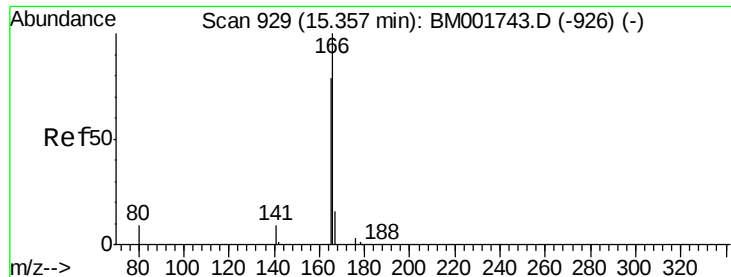
Tgt Ion:330 Resp: 89376
 Ion Ratio Lower Upper
 330 100
 332 81.3 65.8 98.8
 141 0.0 0.0 0.0



#14
 2-Fluorobiphenyl
 Concen: 61.89 ng
 RT: 12.94 min Scan# 757
 Delta R.T. 0.00 min
 Lab File: BM001776.D
 Acq: 22 Jun 2015 17:12

Tgt Ion:172 Resp: 634577
 Ion Ratio Lower Upper
 172 100
 171 33.4 26.2 39.2
 170 21.4 16.6 24.8

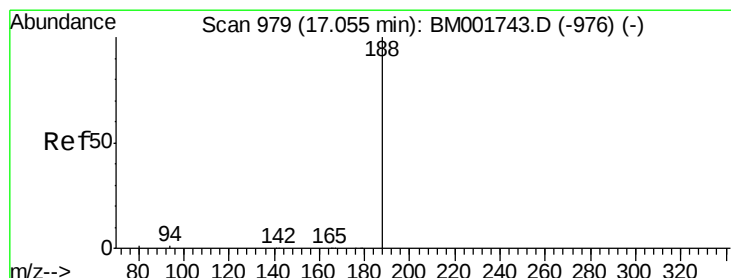
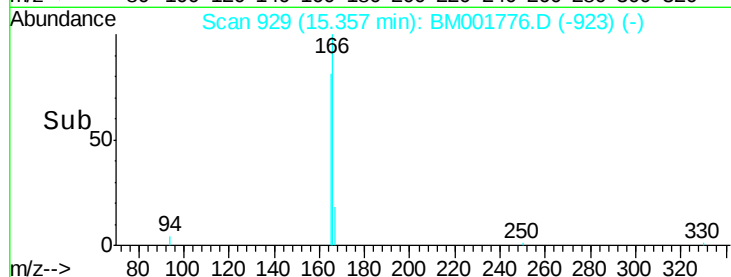
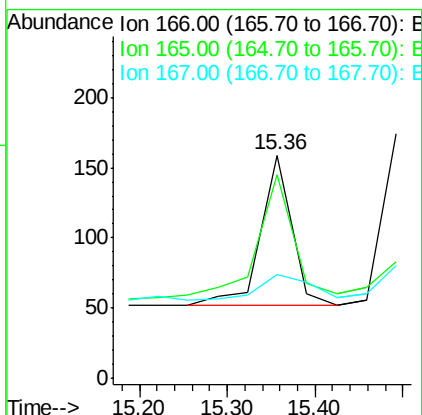
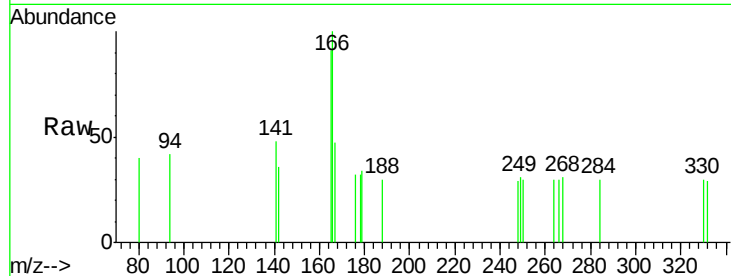




#17
Fluorene
 Concen: 0.04 ng
 RT: 15.36 min Scan# 929
 Delta R.T. 0.00 min
 Lab File: BM001776.D
 Acq: 22 Jun 2015 17:12

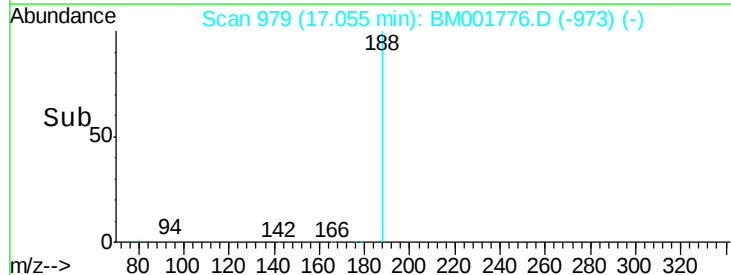
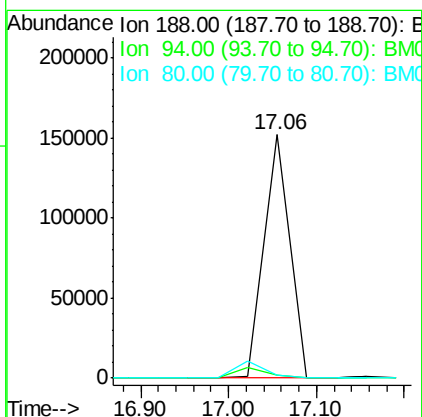
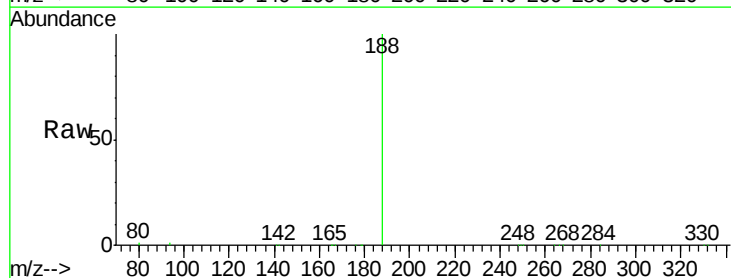
Instrument :
 BNA_M
 ClientSampleId :
 C-5

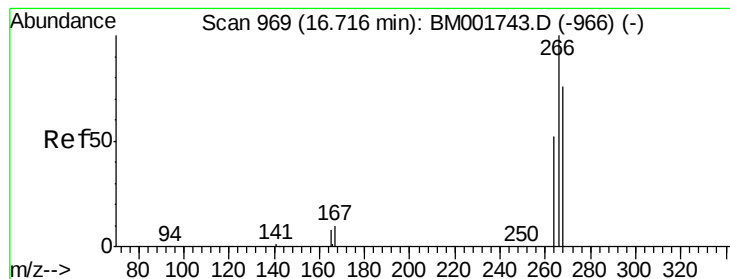
Tgt Ion:166 Resp: 265
 Ion Ratio Lower Upper
 166 100
 165 97.0 68.2 102.2
 167 29.8 12.2 18.2#



#18
Phenanthrene-d10
 Concen: 5.00 ng
 RT: 17.06 min Scan# 979
 Delta R.T. 0.00 min
 Lab File: BM001776.D
 Acq: 22 Jun 2015 17:12

Tgt Ion:188 Resp: 312953
 Ion Ratio Lower Upper
 188 100
 94 1.2 1.3 1.9#
 80 1.0 1.0 1.6#





#21

Pentachlorophenol

Concen: 0.04 ng

RT: 16.65 min Scan# 967

Delta R.T. -0.07 min

Lab File: BM001776.D

Acq: 22 Jun 2015 17:12

Instrument :

BNA_M

ClientSampleId :

C-5

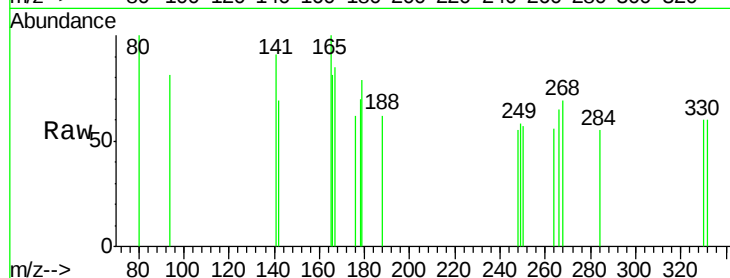
Tgt Ion:266 Resp: 41

Ion Ratio Lower Upper

266 100

268 105.4 63.2 94.8#

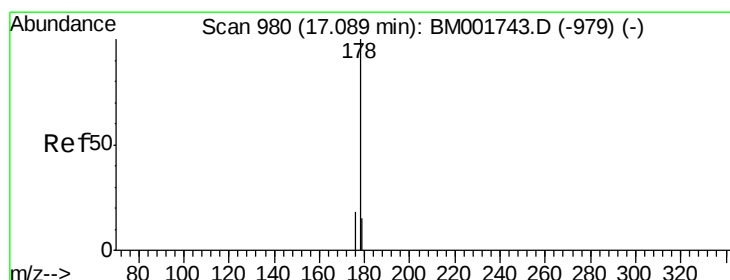
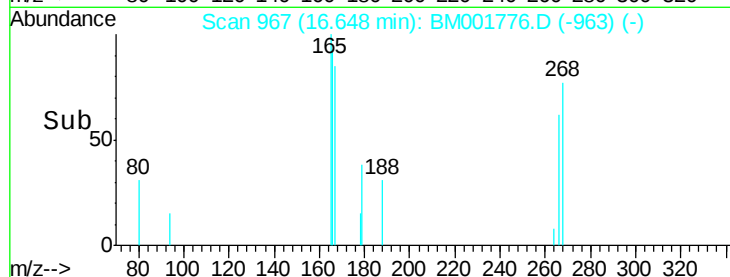
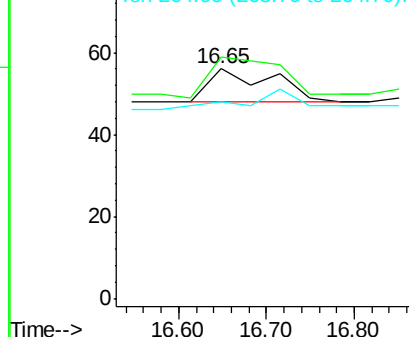
264 85.7 46.2 69.2#



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



#22

Phenanthrene

Concen: 0.07 ng

RT: 17.09 min Scan# 980

Delta R.T. 0.00 min

Lab File: BM001776.D

Acq: 22 Jun 2015 17:12

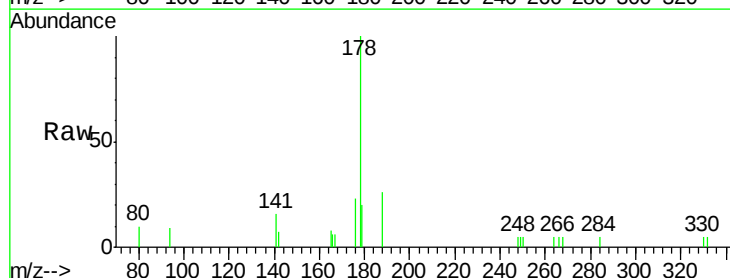
Tgt Ion:178 Resp: 1932

Ion Ratio Lower Upper

178 100

176 17.5 15.4 23.2

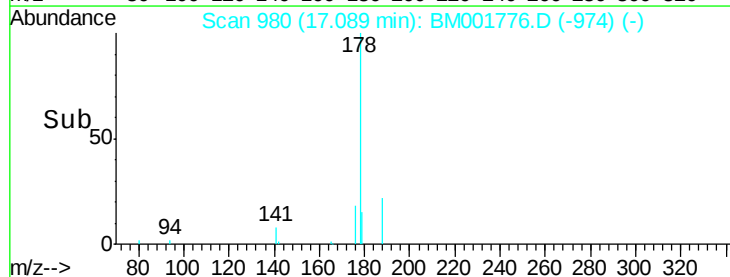
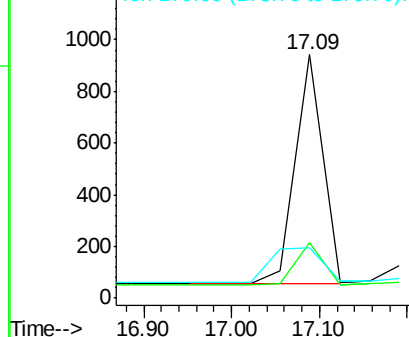
179 29.0 12.6 19.0#

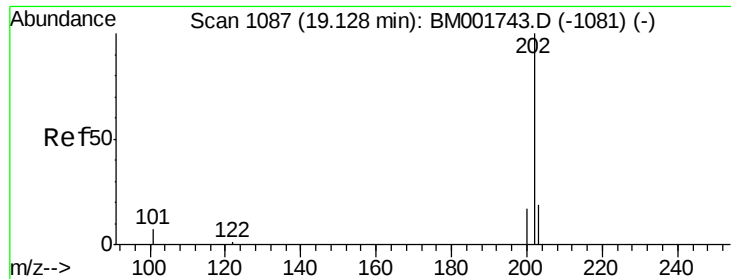


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#24

Fluoranthene

Concen: 0.04 ng

RT: 19.13 min Scan# 1087

Delta R.T. 0.00 min

Lab File: BM001776.D

Acq: 22 Jun 2015 17:12

Instrument :

BNA_M

ClientSampleId :

C-5

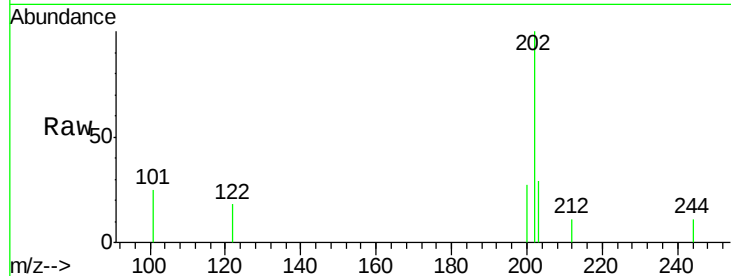
Tgt Ion: 202 Resp: 619

Ion Ratio Lower Upper

202 100

101 22.6 10.8 16.2#

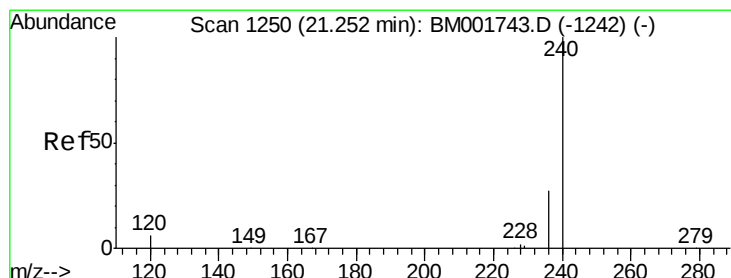
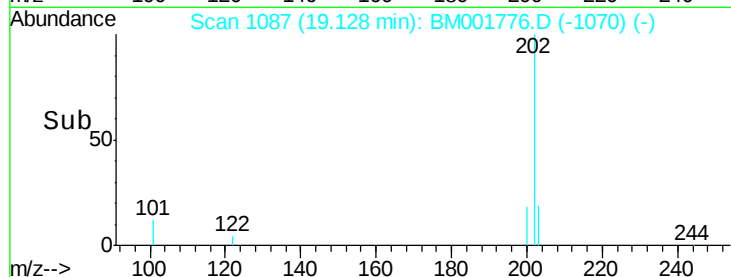
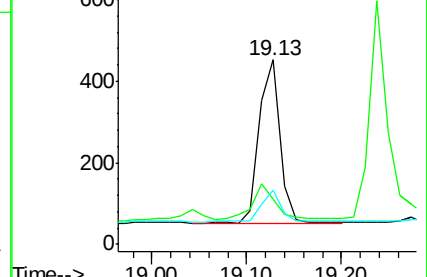
203 18.4 13.8 20.6



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



#25

Chrysene-d12

Concen: 5.00 ng

RT: 21.27 min Scan# 1251

Delta R.T. 0.02 min

Lab File: BM001776.D

Acq: 22 Jun 2015 17:12

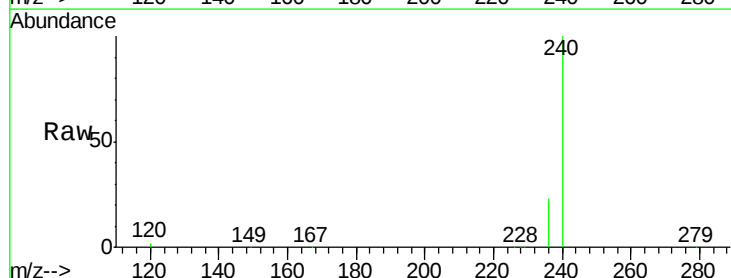
Tgt Ion: 240 Resp: 199191

Ion Ratio Lower Upper

240 100

120 1.8 4.7 7.1#

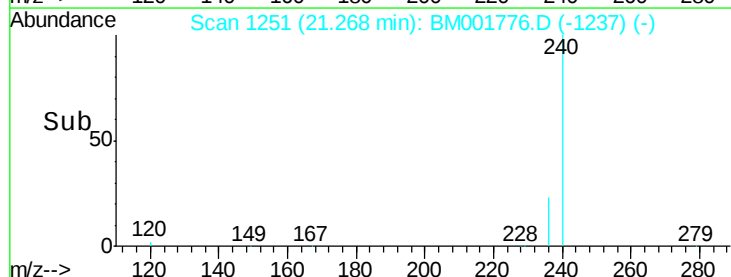
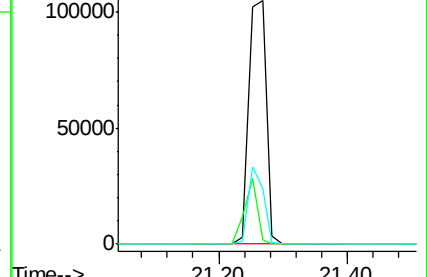
236 22.6 21.6 32.4

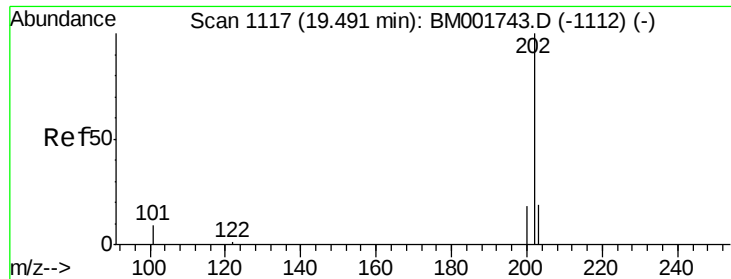


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

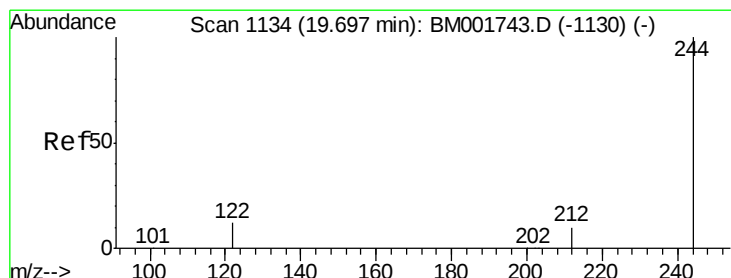
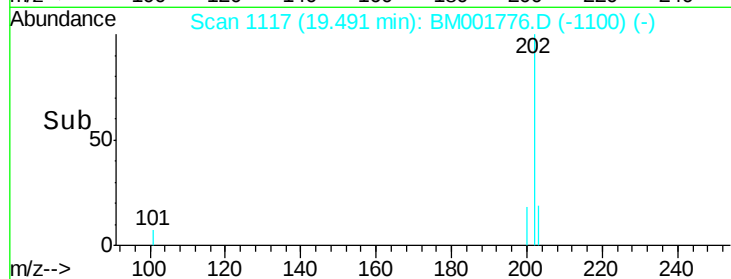
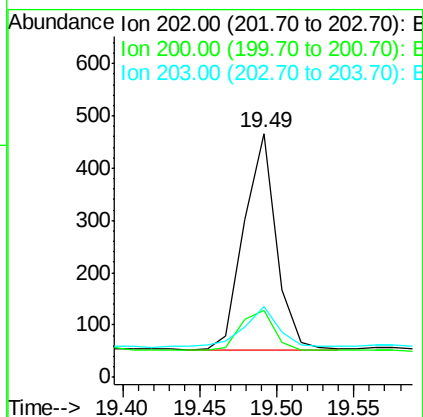
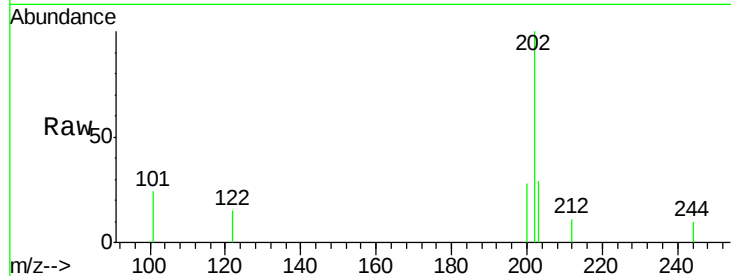




#26
Pyrene
Concen: 0.03 ng
RT: 19.49 min Scan# 1117
Delta R.T. 0.00 min
Lab File: BM001776.D
Acq: 22 Jun 2015 17:12

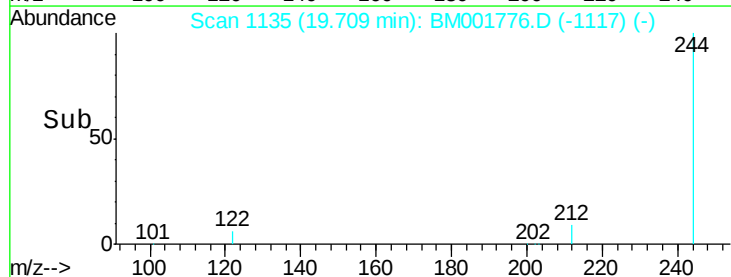
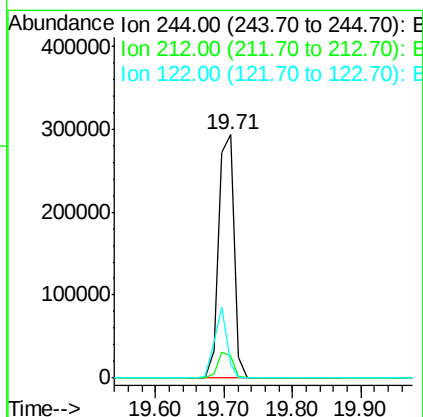
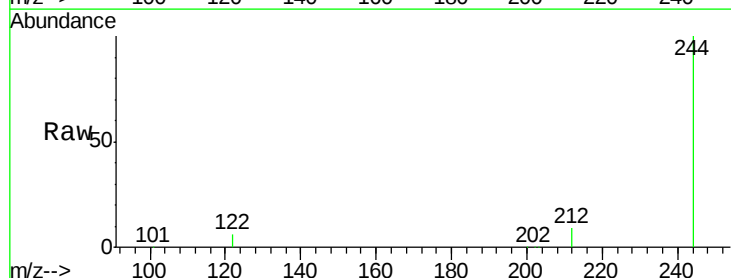
Instrument :
BNA_M
ClientSampleId :
C-5

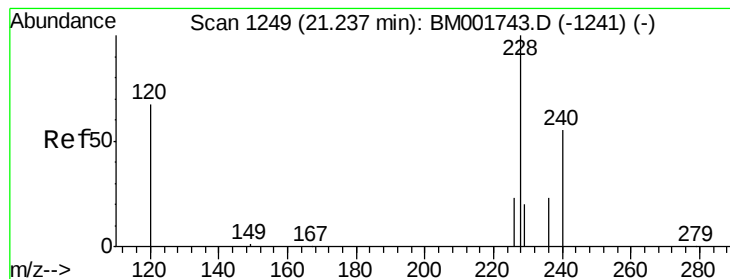
Tgt Ion: 202 Resp: 597
Ion Ratio Lower Upper
202 100
200 20.1 16.6 24.8
203 20.6 13.9 20.9



#27
Terphenyl-d14
Concen: 62.06 ng
RT: 19.71 min Scan# 1135
Delta R.T. 0.01 min
Lab File: BM001776.D
Acq: 22 Jun 2015 17:12

Tgt Ion: 244 Resp: 455416
Ion Ratio Lower Upper
244 100
212 8.9 8.6 13.0
122 6.0 10.6 15.8#





#28

Benzo(a)anthracene

Concen: 0.09 ng

RT: 21.25 min Scan# 1250

Delta R.T. 0.02 min

Lab File: BM001776.D

Acq: 22 Jun 2015 17:12

Instrument :

BNA_M

ClientSampleId :

C-5

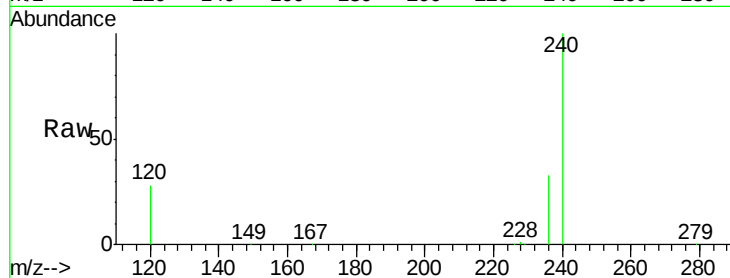
Tgt Ion:228 Resp: 1356

Ion Ratio Lower Upper

228 100

226 18.5 18.9 28.3#

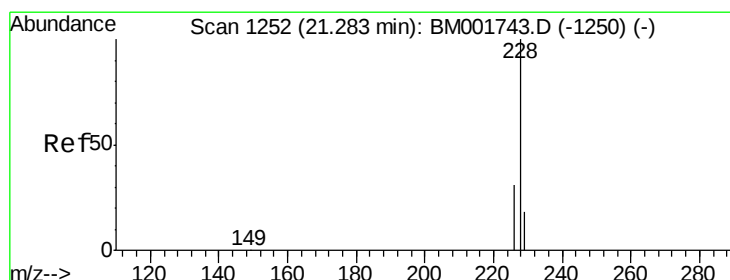
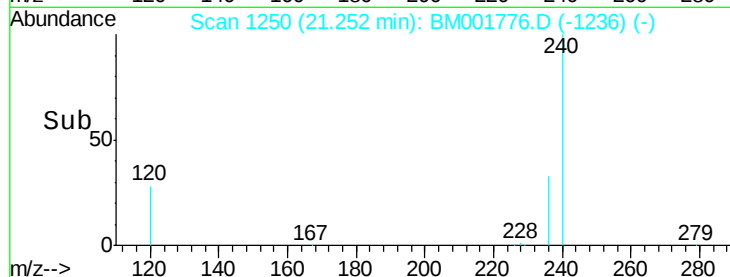
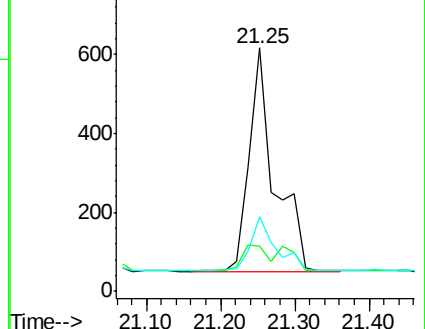
229 30.8 16.6 25.0#



Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#29

Chrysene

Concen: 0.09 ng

RT: 21.25 min Scan# 1250

Delta R.T. -0.03 min

Lab File: BM001776.D

Acq: 22 Jun 2015 17:12

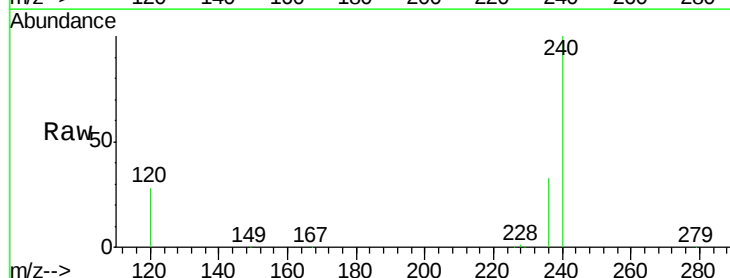
Tgt Ion:228 Resp: 1356

Ion Ratio Lower Upper

228 100

226 18.5 24.3 36.5#

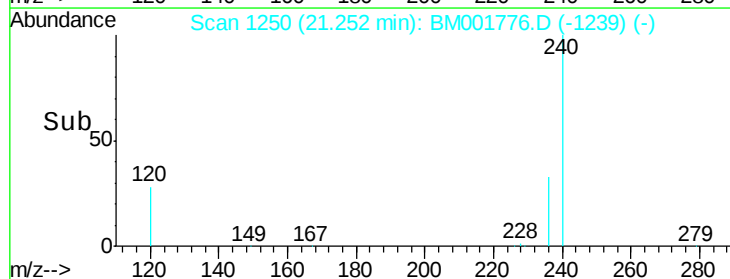
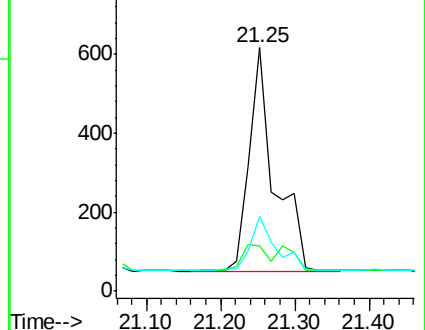
229 30.8 15.0 22.6#

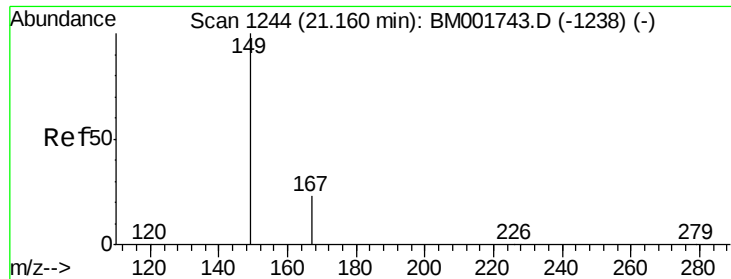


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#30

Bis(2-ethylhexyl)phthalate

Concen: 0.36 ng

RT: 21.18 min Scan# 1245

Delta R.T. 0.02 min

Lab File: BM001776.D

Acq: 22 Jun 2015 17:12

Instrument :

BNA_M

ClientSampleId :

C-5

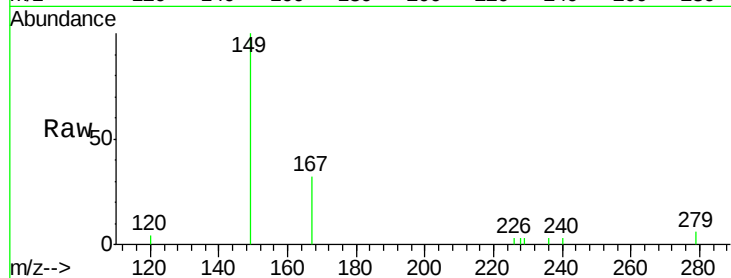
Tgt Ion:149 Resp: 3148

Ion Ratio Lower Upper

149 100

167 24.8 19.7 29.5

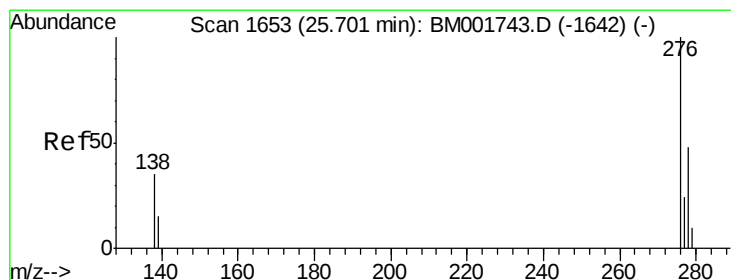
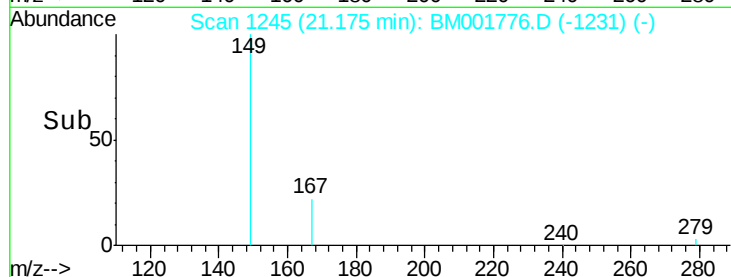
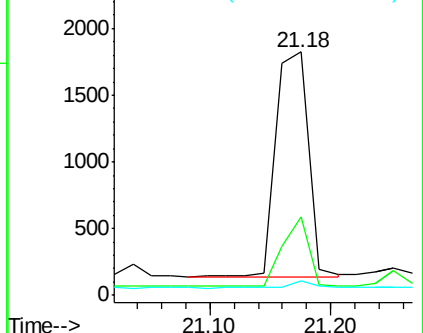
279 2.5 1.6 2.4#



Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E



#31

Indeno(1,2,3-cd)pyrene

Concen: 0.02 ng

RT: 25.71 min Scan# 1654

Delta R.T. 0.01 min

Lab File: BM001776.D

Acq: 22 Jun 2015 17:12

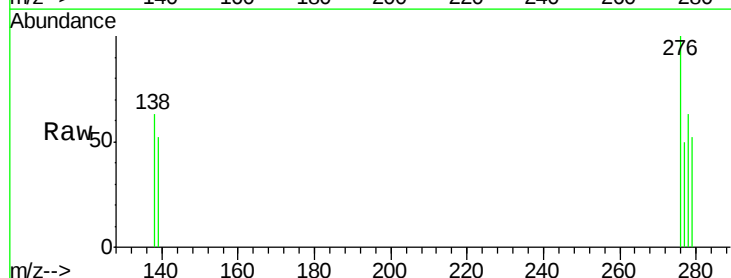
Tgt Ion:276 Resp: 328

Ion Ratio Lower Upper

276 100

138 46.6 29.0 43.6#

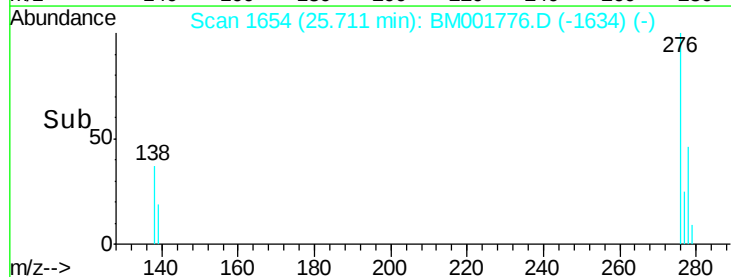
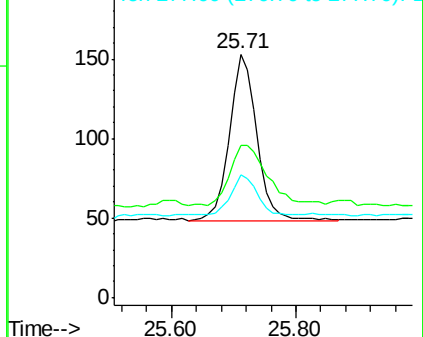
277 23.2 19.7 29.5

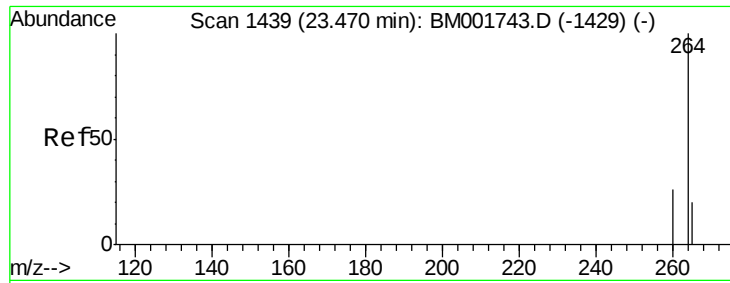


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E

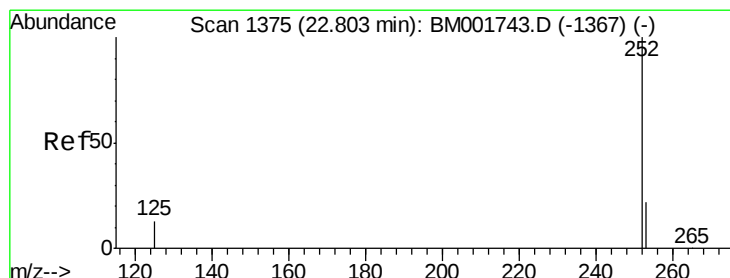
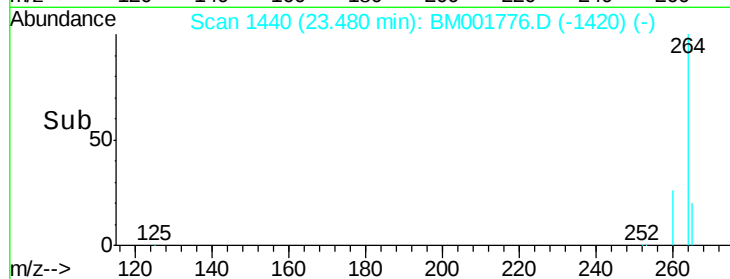
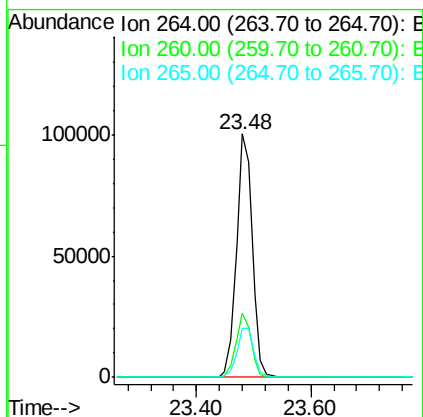
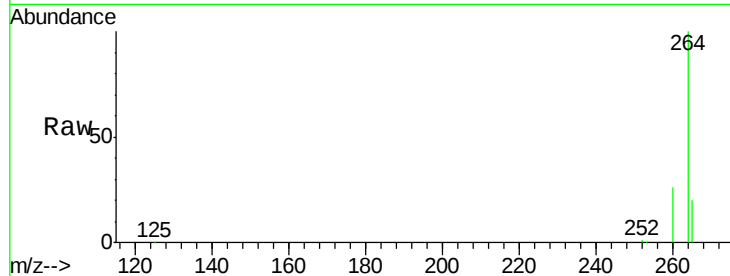




#32
 Perylene-d12
 Concen: 5.00 ng
 RT: 23.48 min Scan# 1440
 Delta R.T. 0.01 min
 Lab File: BM001776.D
 Acq: 22 Jun 2015 17:12

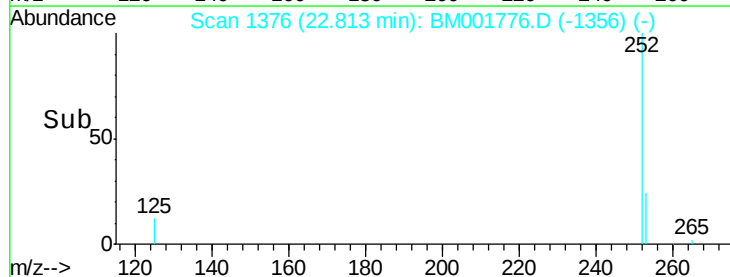
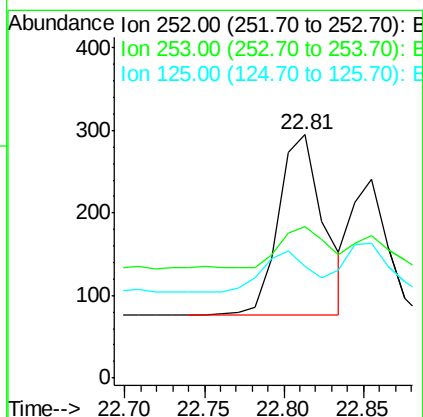
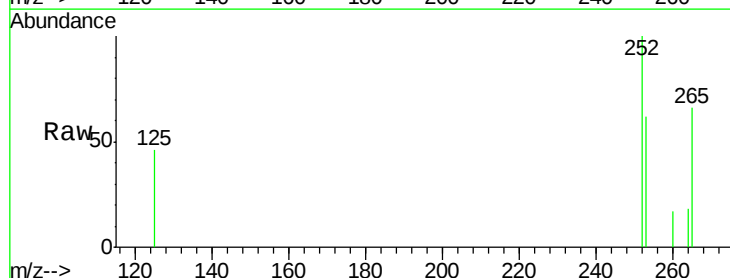
Instrument :
 BNA_M
 ClientSampleId :
 C-5

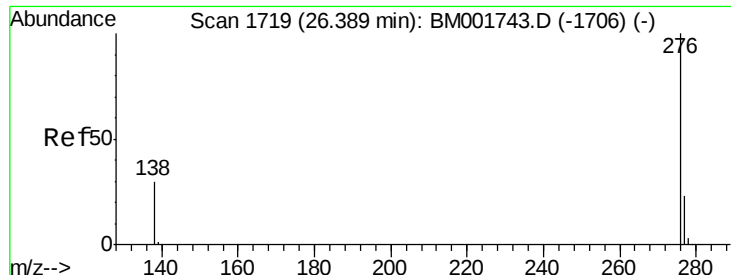
Tgt Ion: 264 Resp: 191790
 Ion Ratio Lower Upper
 264 100
 260 26.3 20.8 31.2
 265 20.1 16.8 25.2



#33
 Benzo(b)fluoranthene
 Concen: 0.03 ng
 RT: 22.81 min Scan# 1376
 Delta R.T. 0.01 min
 Lab File: BM001776.D
 Acq: 22 Jun 2015 17:12

Tgt Ion: 252 Resp: 433
 Ion Ratio Lower Upper
 252 100
 253 62.0 19.0 28.4#
 125 45.8 11.3 16.9#





#37

Benzo(g,h,i)perylene

Concen: 0.02 ng

RT: 26.40 min Scan# 1720

Delta R.T. 0.01 min

Lab File: BM001776.D

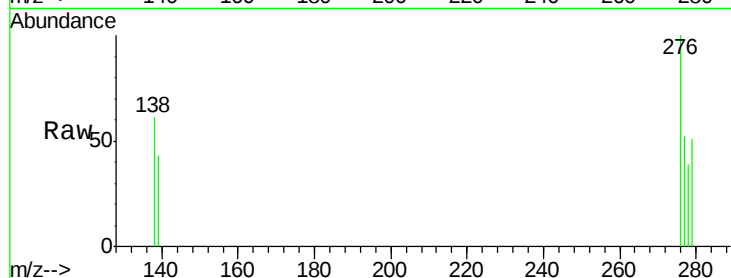
Acq: 22 Jun 2015 17:12

Instrument :

BNA_M

ClientSampleId :

C-5



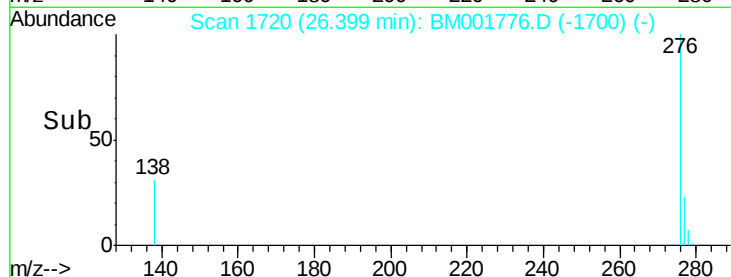
Tgt Ion: 276 Resp: 308

Ion Ratio Lower Upper

276 100

277 52.1 19.3 28.9#

138 60.7 24.7 37.1#



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

