

Data Path : Z:\HPCHEM1\BNA M\DATA\BM052015\
 Data File : BM001361.D
 Acq On : 21 May 2015 15:08
 Operator : TP/IZ
 Sample : G2313-03MSD
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :

Quant Time: May 21 15:55:06 2015
 Quant Method : Z:\HPCHEM1\BNA M\METHODS\SIMPAH-BM052015.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu May 21 11:08:14 2015
 Response via : Initial Calibration

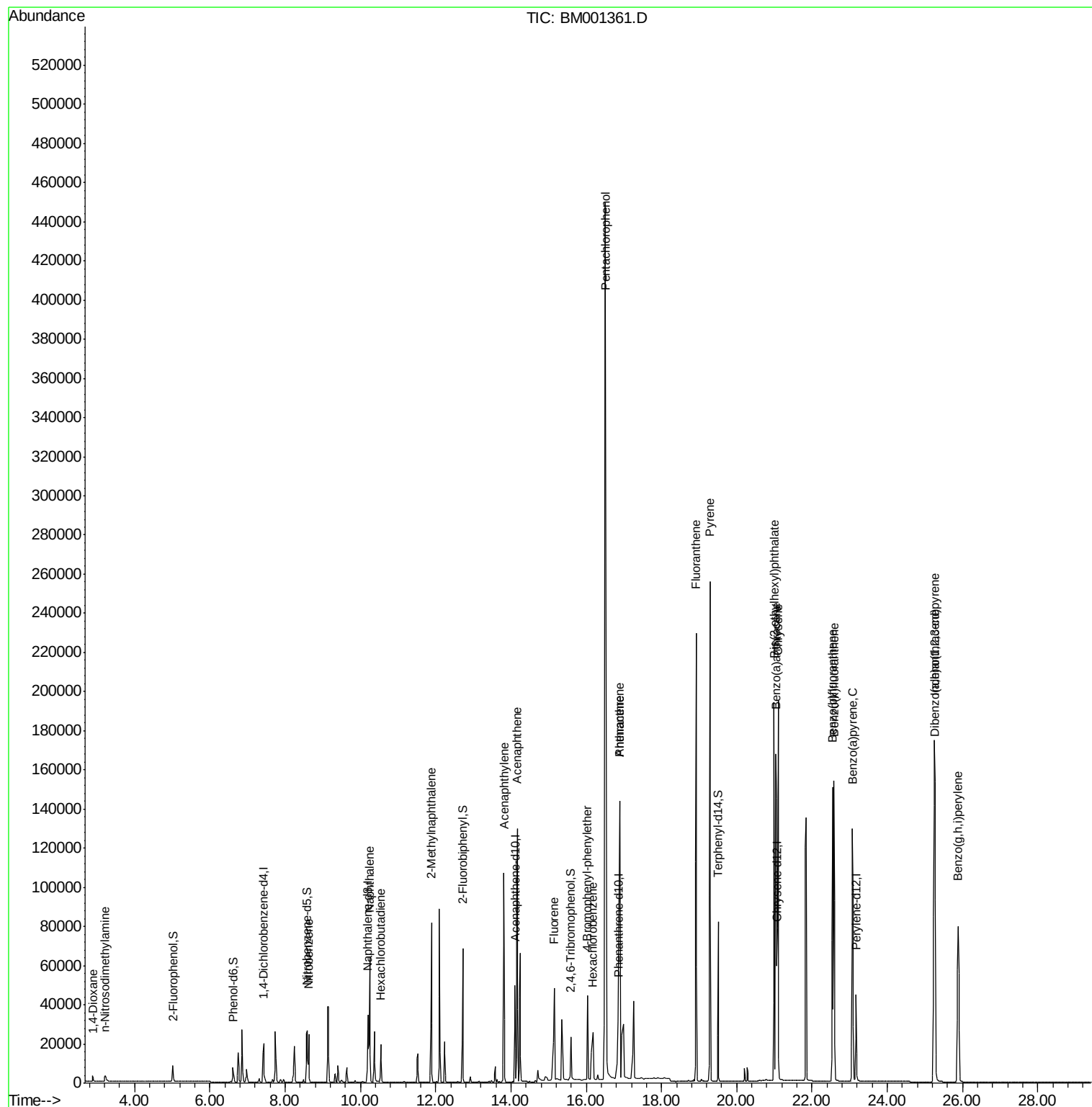
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.43	152	11122	5.00	ng	0.00
6) Naphthalene-d8	10.20	136	46445	5.00	ng	0.00
12) Acenaphthene-d10	14.11	164	28261	5.00	ng	0.00
18) Phenanthrene-d10	16.85	188	60359	5.00	ng	0.00
25) Chrysene-d12	21.07	240	60432	5.00	ng	0.00
32) Perylene-d12	23.17	264	53446	5.00	ng	0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.02	112	8319	3.85	ng	0.00
5) Phenol-d6	6.61	99	7464	2.78	ng	0.00
7) Nitrobenzene-d5	8.59	82	22990	9.18	ng	0.00
13) 2,4,6-Tribromophenol	15.59	330	19670	16.68	ng	0.00
14) 2-Fluorobiphenyl	12.72	172	71798	8.52	ng	0.00
27) Terphenyl-d14	19.50	244	80819	10.17	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	2.90	88	2248	2.50	ng	# 83
3) n-Nitrosodimethylamine	3.21	42	3679	2.93	ng	# 99
8) Nitrobenzene	8.63	77	26578	8.48	ng	97
9) Naphthalene	10.25	128	81138	8.19	ng	99
10) Hexachlorobutadiene	10.54	225	14759	7.69	ng	99
11) 2-Methylnaphthalene	11.89	142	62578	8.88	ng	96
15) Acenaphthylene	13.82	152	121412	10.21	ng	100
16) Acenaphthene	14.17	154	70023	9.38	ng	98
17) Fluorene	15.15	166	55262	9.25	ng	96
19) 4-Bromophenyl-phenylether	16.04	248	35801	11.03	ng	90
20) Hexachlorobenzene	16.17	284	43297	9.72	ng	# 100
21) Pentachlorophenol	16.51	266	380658	145.05	ng	96
22) Phenanthrene	16.89	178	297021	14.00	ng	93
23) Anthracene	16.89	178	297021	36.16	ng	# 48
24) Fluoranthene	18.92	202	201510	11.08	ng	100
26) Pyrene	19.29	202	217173	11.76	ng	99
28) Benzo(a)anthracene	21.04	228	180171	10.42	ng	100
29) Chrysene	21.10	228	176668	10.67	ng	98
30) Bis(2-ethylhexyl)phthalate	20.99	149	174189	15.78	ng	100
31) Indeno(1,2,3-cd)pyrene	25.25	276	179436	10.07	ng	99
33) Benzo(b)fluoranthene	22.54	252	176563	10.72	ng	98
34) Benzo(k)fluoranthene	22.58	252	166496	11.48	ng	97
35) Benzo(a)pyrene	23.07	252	164958	11.78	ng	96
36) Dibenzo(a,h)anthracene	25.26	278	143827	11.17	ng	97
37) Benzo(g,h,i)perylene	25.88	276	148622	10.75	ng	97

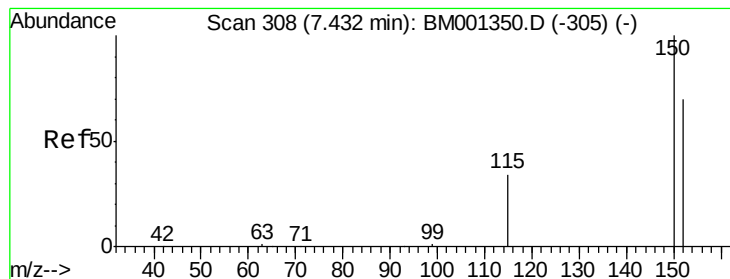
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 5.00 ng

RT: 7.43 min Scan# 308

Delta R.T. -0.00 min

Lab File: BM001361.D

Acq: 21 May 2015 15:08

Instrument :

BNA_M

ClientSampleId :

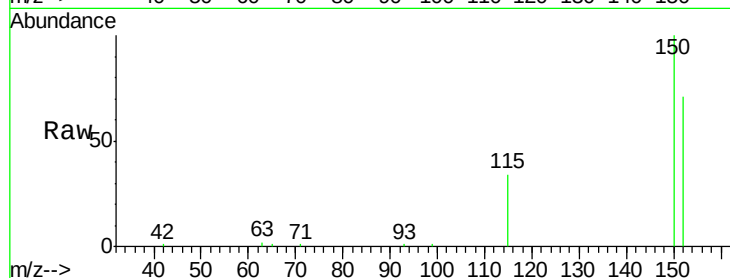
Tot Ion:152 Resp: 11122

Ion Ratio Lower Upper

152 100

150 141.0 114.1 171.1

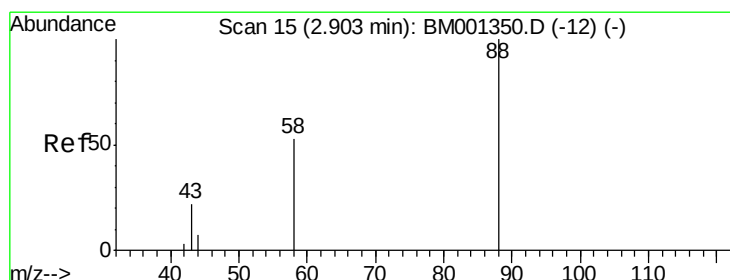
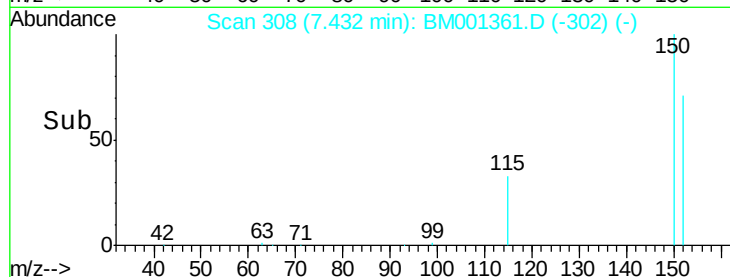
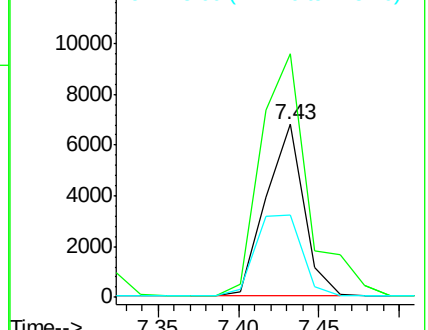
115 47.4 39.2 58.8



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: 2.50 ng

RT: 2.90 min Scan# 15

Delta R.T. 0.00 min

Lab File: BM001361.D

Acq: 21 May 2015 15:08

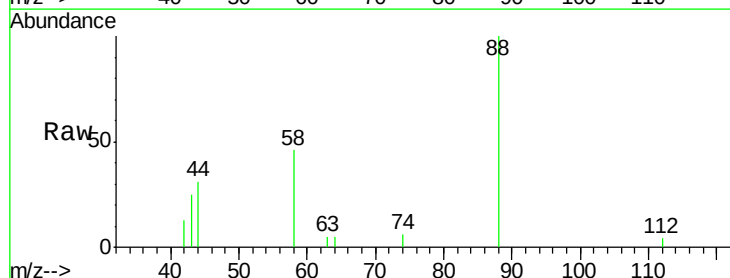
Tgt Ion: 88 Resp: 2248

Ion Ratio Lower Upper

88 100

58 85.5 53.1 79.7#

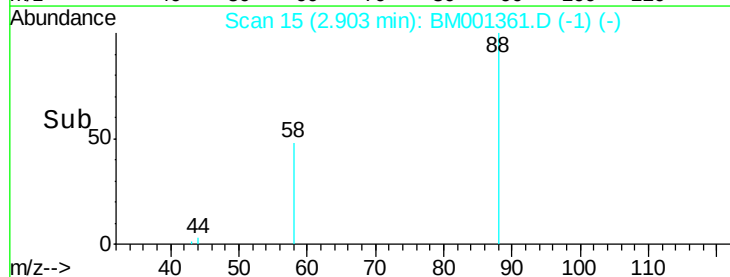
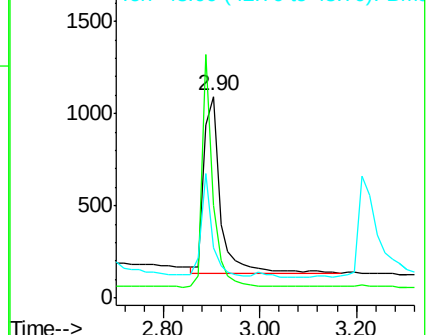
43 37.1 27.8 41.8

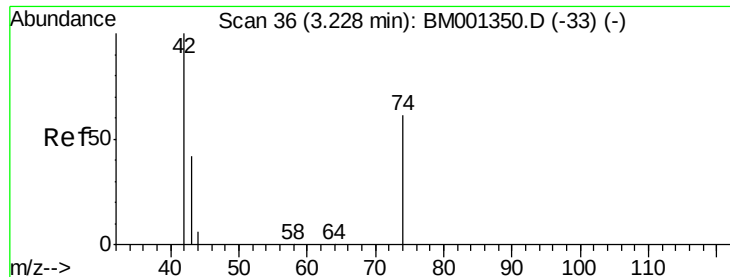


Abundance Ion 88.00 (87.70 to 88.70): BM0

Ion 58.00 (57.70 to 58.70): BM0

Ion 43.00 (42.70 to 43.70): BM0





#3

n-Nitrosodimethylamine

Concen: 2.93 ng

RT: 3.21 min Scan# 35

Delta R.T. -0.02 min

Lab File: BM001361.D

Acq: 21 May 2015 15:08

Instrument :

BNA_M

ClientSampleId :

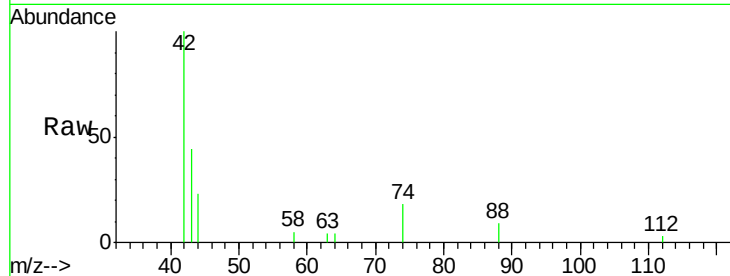
Tot Ion: 42 Resp: 3679

Ion Ratio Lower Upper

42 100

74 88.7 70.0 105.0

44 5.7 3.6 5.4#



Abundance Ion 42.00 (41.70 to 42.70): BM001350.D (-33) (-)

Ion 74.00 (73.70 to 74.70): BM001350.D (-33) (-)

Ion 44.00 (43.70 to 44.70): BM001350.D (-33) (-)

3.21

1500

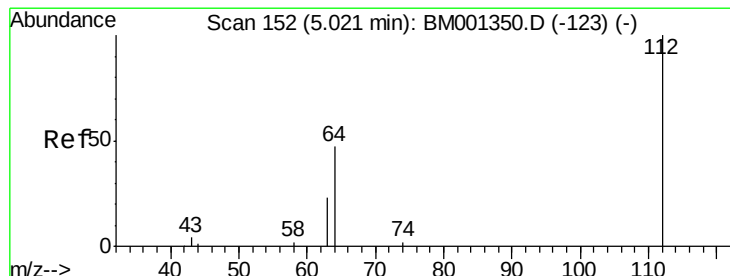
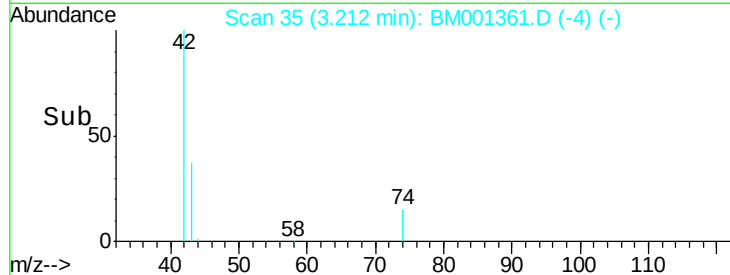
1000

500

0

3.20 3.40

Time-->



#4

2-Fluorophenol

Concen: 3.85 ng

RT: 5.02 min Scan# 152

Delta R.T. -0.00 min

Lab File: BM001361.D

Acq: 21 May 2015 15:08

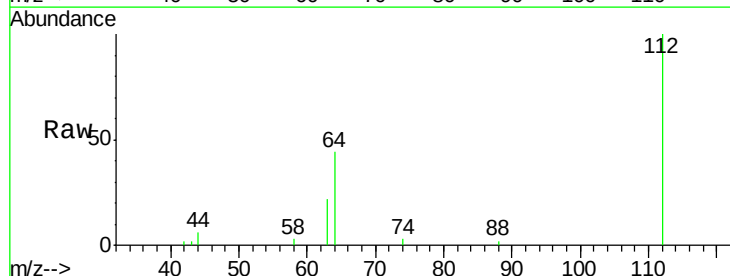
Tgt Ion: 112 Resp: 8319

Ion Ratio Lower Upper

112 100

64 64.2 52.9 79.3

63 36.4 29.6 44.4



Abundance Ion 112.00 (111.70 to 112.70): BM001350.D (-123) (-)

Ion 64.00 (63.70 to 64.70): BM001350.D (-123) (-)

Ion 63.00 (62.70 to 63.70): BM001350.D (-123) (-)

5.02

6000

5000

4000

3000

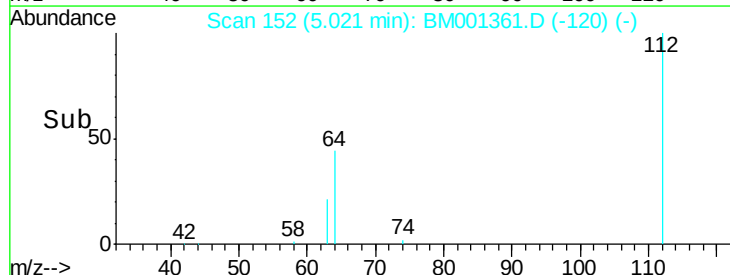
2000

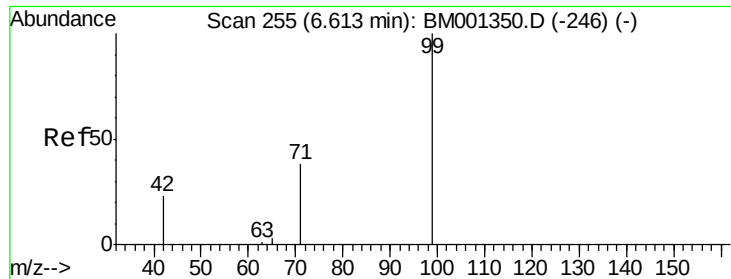
1000

0

4.80 5.00 5.20

Time-->





#5

Phenol-d6

Concen: 2.78 ng

RT: 6.61 min Scan# 255

Delta R.T. -0.00 min

Lab File: BM001361.D

Acq: 21 May 2015 15:08

Instrument :

BNA_M

ClientSampleId :

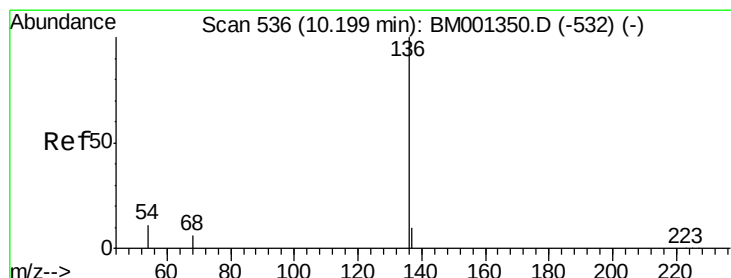
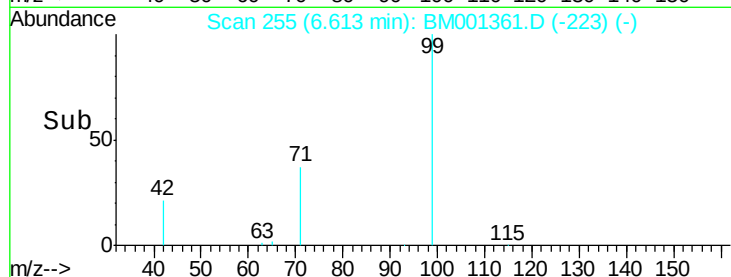
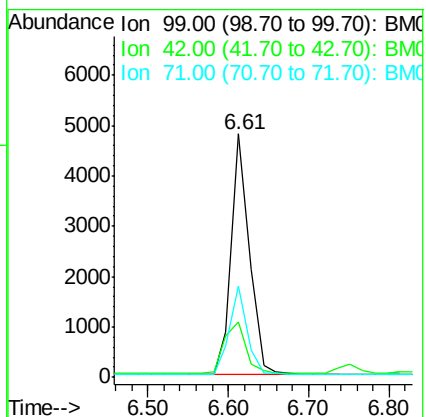
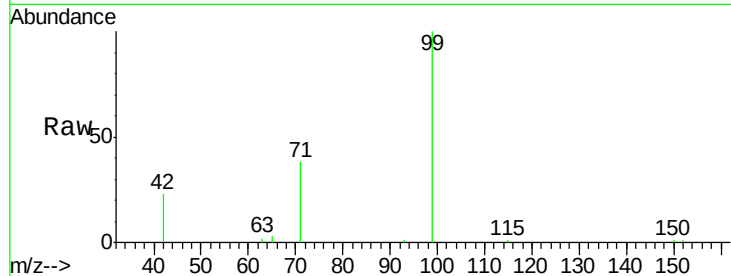
Tot Ion: 99 Resp: 7464

Ion Ratio Lower Upper

99 100

42 25.6 21.4 32.2

71 36.6 29.0 43.4



#6

Naphthalene-d8

Concen: 5.00 ng

RT: 10.20 min Scan# 536

Delta R.T. -0.00 min

Lab File: BM001361.D

Acq: 21 May 2015 15:08

Tgt Ion: 136 Resp: 46445

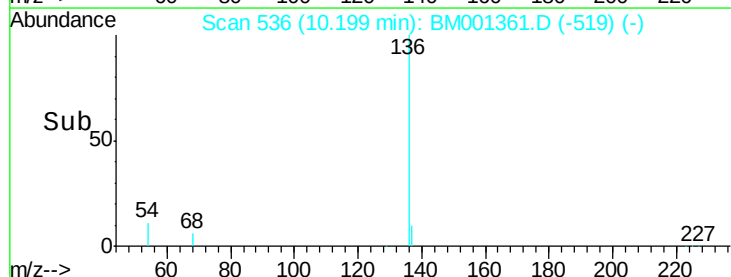
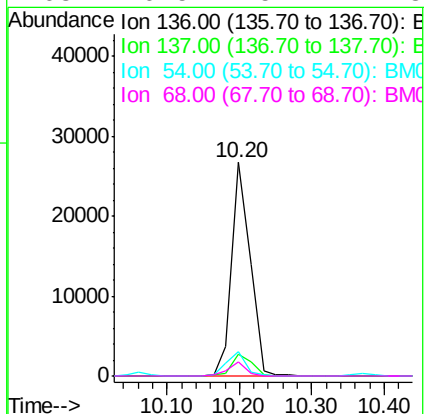
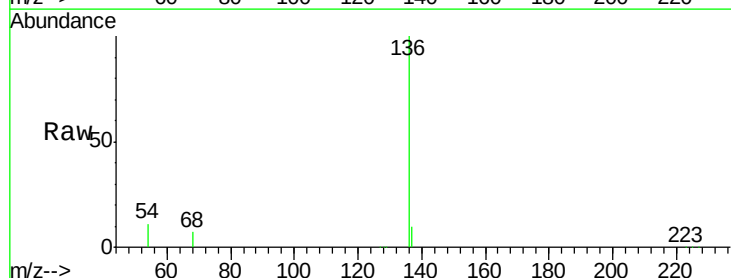
Ion Ratio Lower Upper

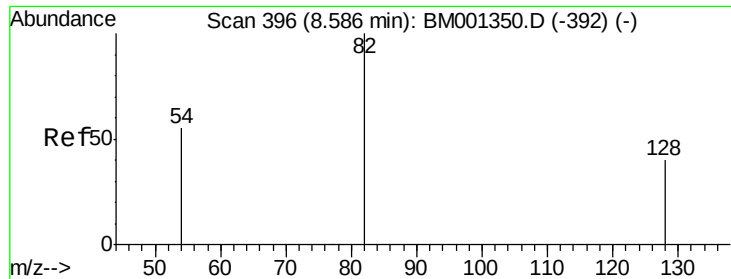
136 100

137 10.4 8.2 12.4

54 11.5 9.4 14.0

68 6.5 5.2 7.8





#7

Nitrobenzene-d5

Concen: 9.18 ng

RT: 8.59 min Scan# 396

Delta R.T. -0.00 min

Lab File: BM001361.D

Acq: 21 May 2015 15:08

Instrument :

BNA_M

ClientSampleId :

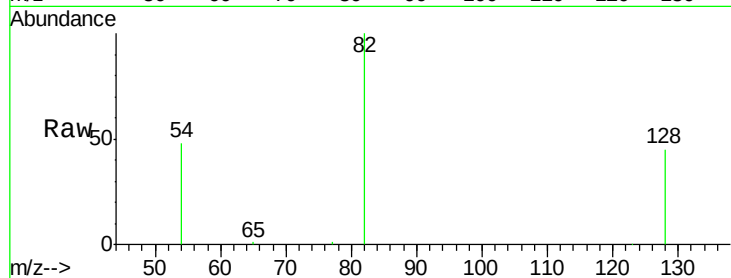
Tot Ion: 82 Resp: 22990

Ion Ratio Lower Upper

82 100

128 45.5 33.5 50.3

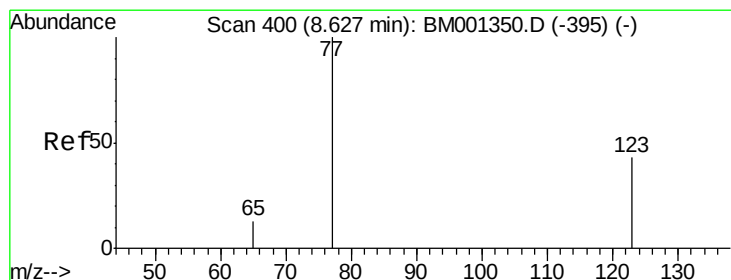
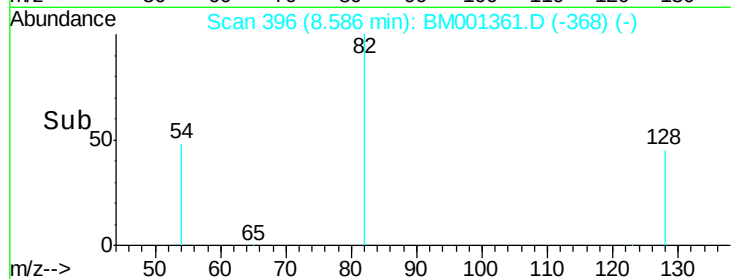
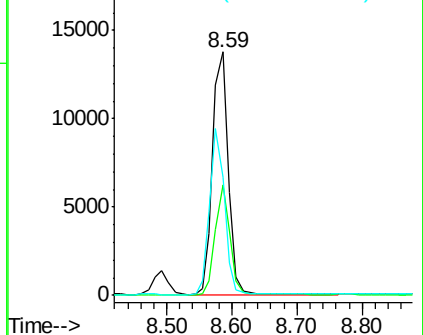
54 48.3 45.1 67.7



Abundance Ion 82.00 (81.70 to 82.70): BM001350.D (-392) (-)

Ion 128.00 (127.70 to 128.70): BM001350.D (-392) (-)

Ion 54.00 (53.70 to 54.70): BM001350.D (-392) (-)



#8

Nitrobenzene

Concen: 8.48 ng

RT: 8.63 min Scan# 400

Delta R.T. 0.00 min

Lab File: BM001361.D

Acq: 21 May 2015 15:08

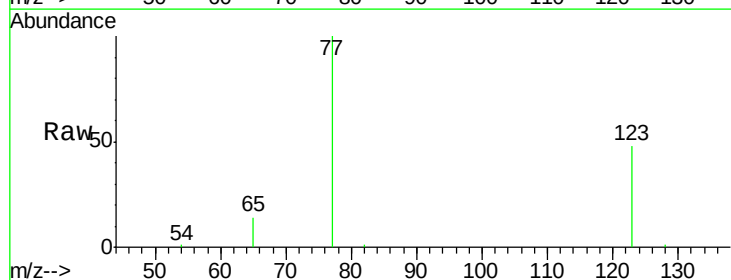
Tgt Ion: 77 Resp: 26578

Ion Ratio Lower Upper

77 100

123 44.0 33.6 50.4

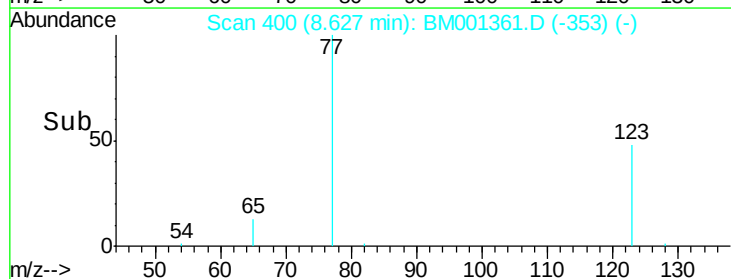
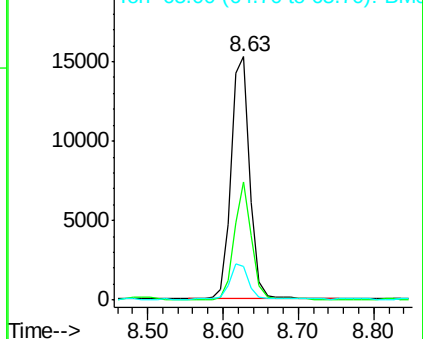
65 14.6 11.3 16.9

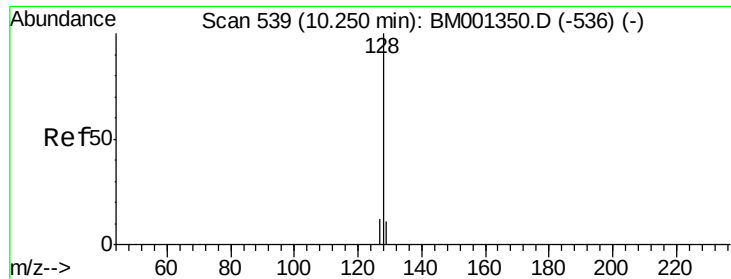


Abundance Ion 77.00 (76.70 to 77.70): BM001350.D (-395) (-)

Ion 123.00 (122.70 to 123.70): BM001350.D (-395) (-)

Ion 65.00 (64.70 to 65.70): BM001350.D (-395) (-)





#9

Naphthalene

Concen: 8.19 ng

RT: 10.25 min Scan# 539

Delta R.T. -0.00 min

Lab File: BM001361.D

Acq: 21 May 2015 15:08

Instrument :

BNA_M

ClientSampleId :

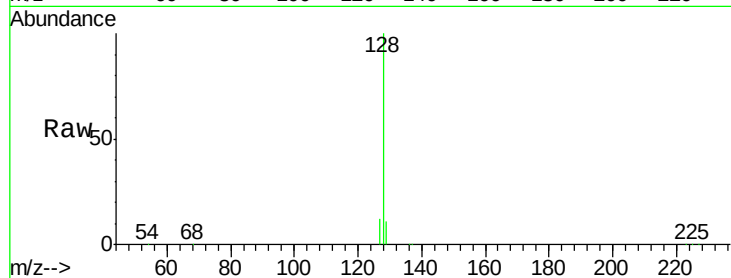
Tot Ion:128 Resp: 81138

Ion Ratio Lower Upper

128 100

129 11.0 9.1 13.7

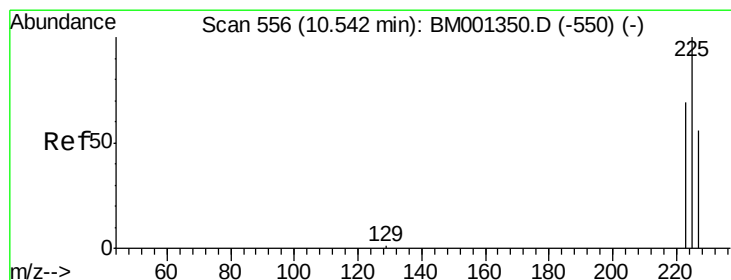
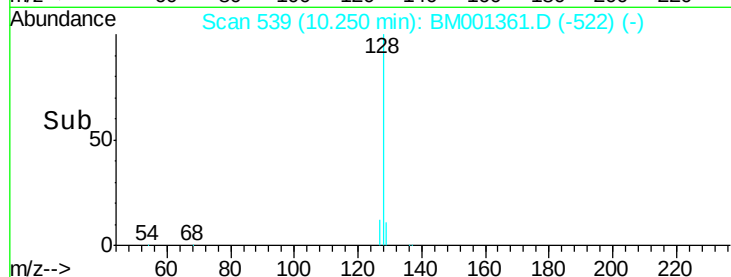
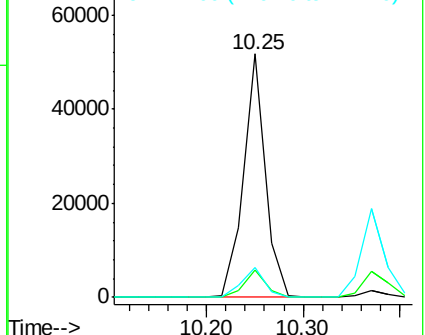
127 12.4 10.4 15.6



Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E



#10

Hexachlorobutadiene

Concen: 7.69 ng

RT: 10.54 min Scan# 556

Delta R.T. -0.00 min

Lab File: BM001361.D

Acq: 21 May 2015 15:08

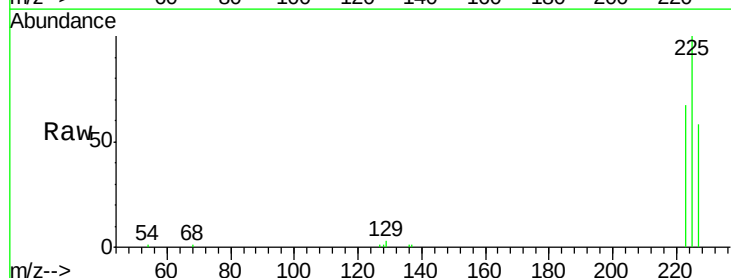
Tgt Ion:225 Resp: 14759

Ion Ratio Lower Upper

225 100

223 62.5 50.3 75.5

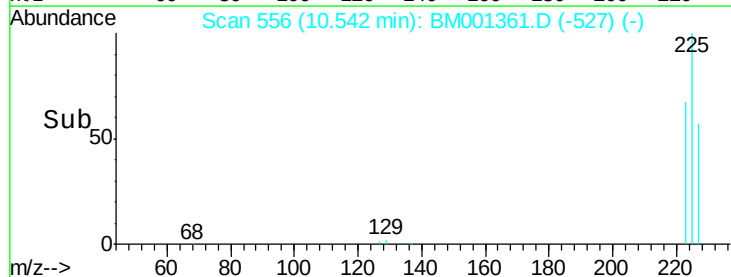
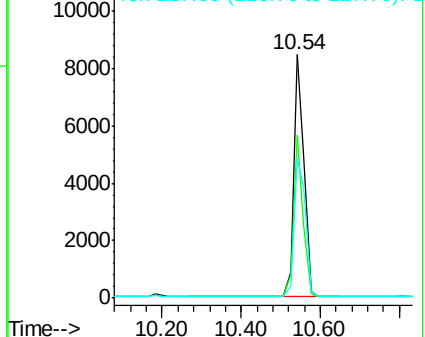
227 64.0 50.6 75.8

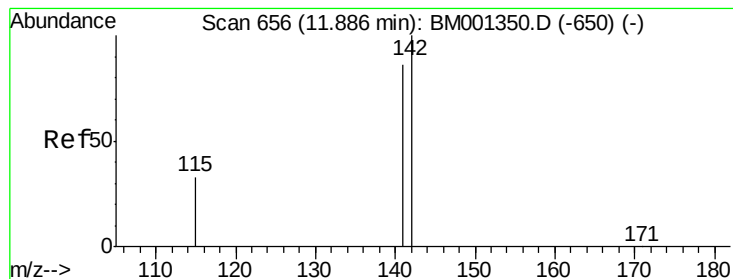


Abundance Ion 225.00 (224.70 to 225.70): E

Ion 223.00 (222.70 to 223.70): E

Ion 227.00 (226.70 to 227.70): E





#11

2-Methylnaphthalene

Concen: 8.88 ng

RT: 11.89 min Scan# 656

Delta R.T. -0.00 min

Lab File: BM001361.D

Acq: 21 May 2015 15:08

Instrument :

BNA_M

ClientSampled :

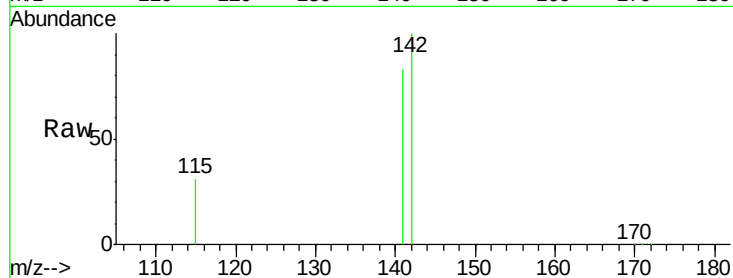
Tot Ion:142 Resp: 62578

Ion Ratio Lower Upper

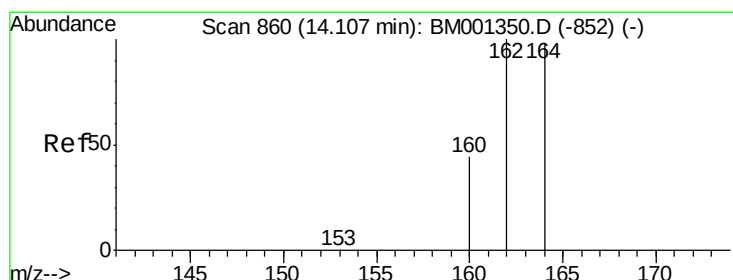
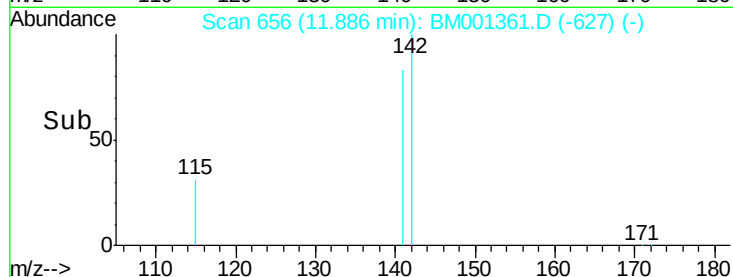
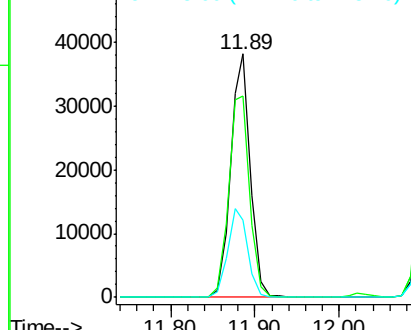
142 100

141 82.9 69.0 103.4

115 31.5 27.1 40.7



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



#12

Acenaphthene-d10

Concen: 5.00 ng

RT: 14.11 min Scan# 860

Delta R.T. -0.00 min

Lab File: BM001361.D

Acq: 21 May 2015 15:08

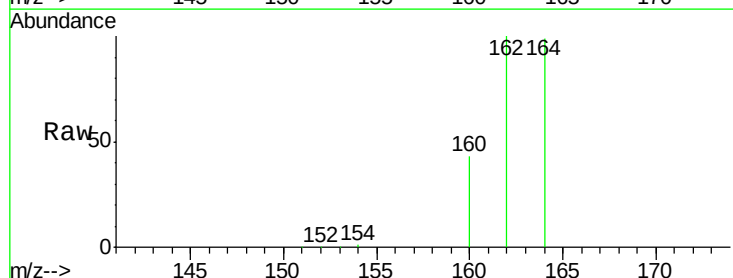
Tgt Ion:164 Resp: 28261

Ion Ratio Lower Upper

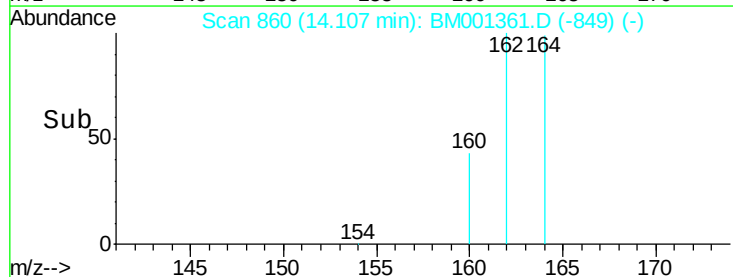
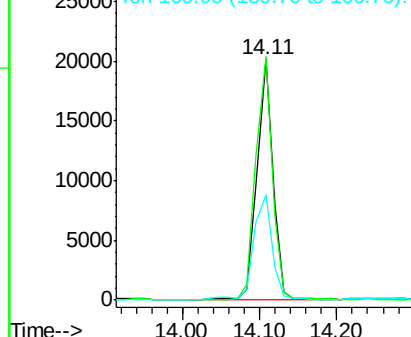
164 100

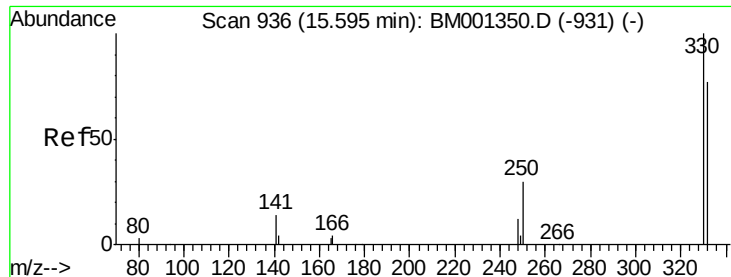
162 101.1 81.8 122.8

160 43.7 35.8 53.8



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

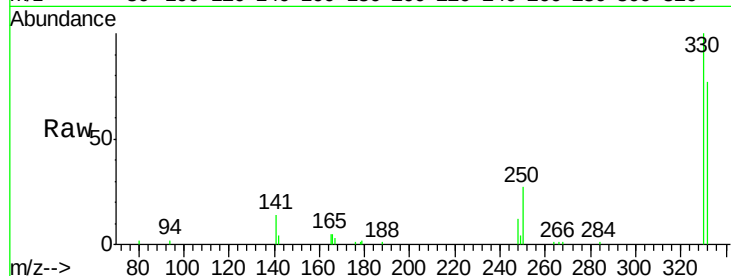




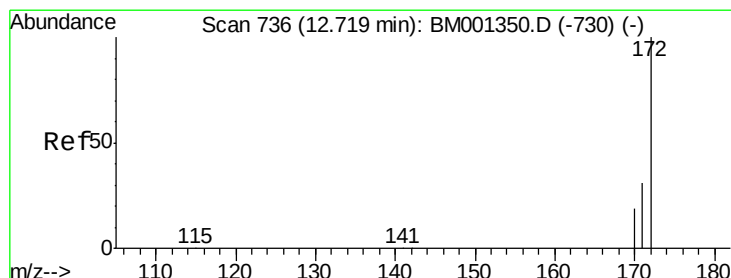
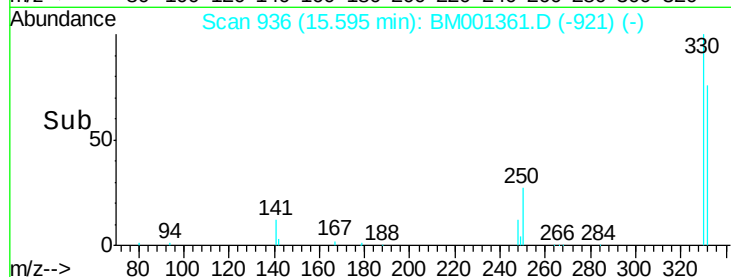
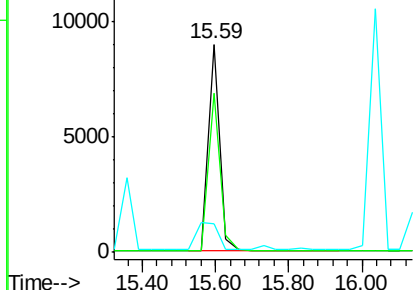
#13
 2,4,6-Tribromophenol
 Concen: 16.68 ng
 RT: 15.59 min Scan# 936
 Delta R.T. 0.00 min
 Lab File: BM001361.D
 Acq: 21 May 2015 15:08

Instrument :
 BNA_M
 ClientSampleId :

Tot Ion:330 Resp: 19670
 Ion Ratio Lower Upper
 330 100
 332 80.0 65.4 98.2
 141 0.0 20.2 30.4#

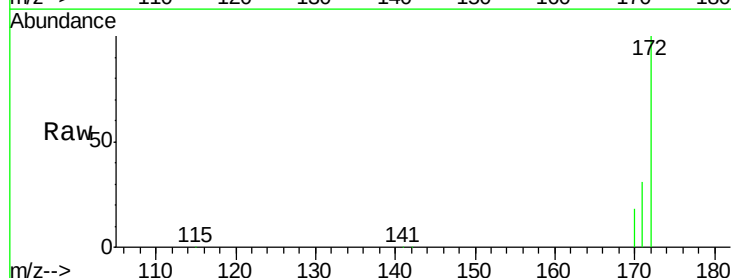


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

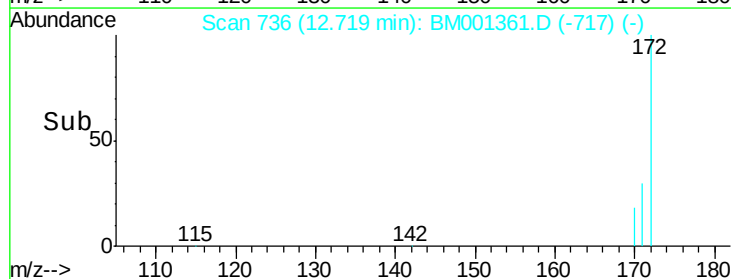
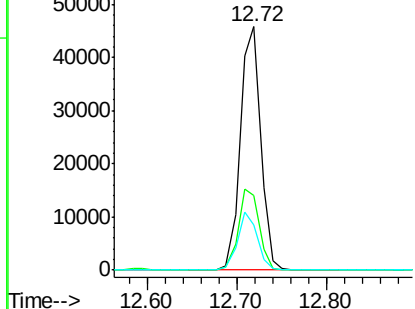


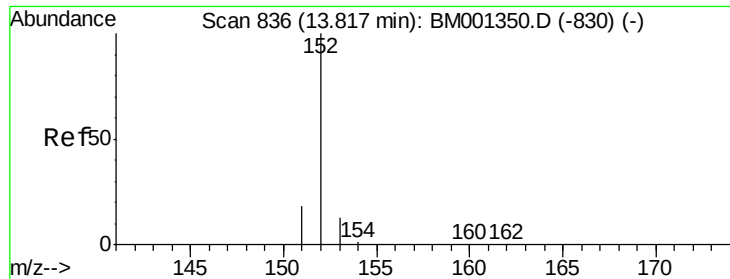
#14
 2-Fluorobiphenyl
 Concen: 8.52 ng
 RT: 12.72 min Scan# 736
 Delta R.T. -0.00 min
 Lab File: BM001361.D
 Acq: 21 May 2015 15:08

Tgt Ion:172 Resp: 71798
 Ion Ratio Lower Upper
 172 100
 171 30.9 25.4 38.2
 170 18.4 15.7 23.5



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

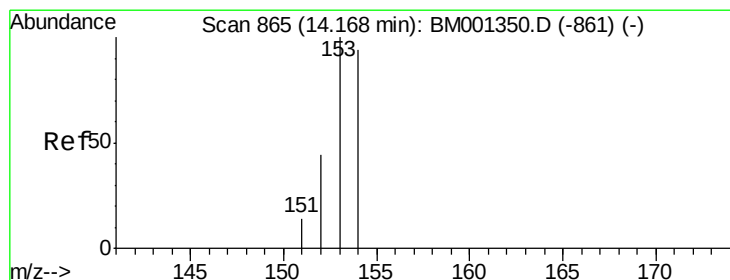
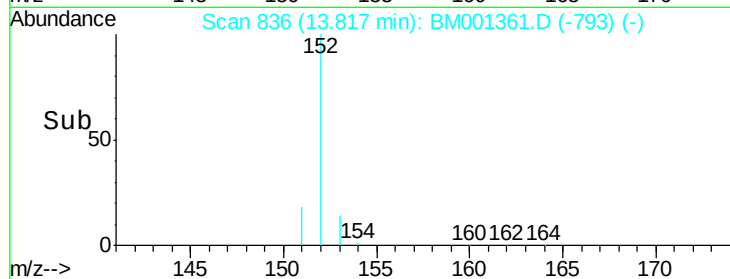
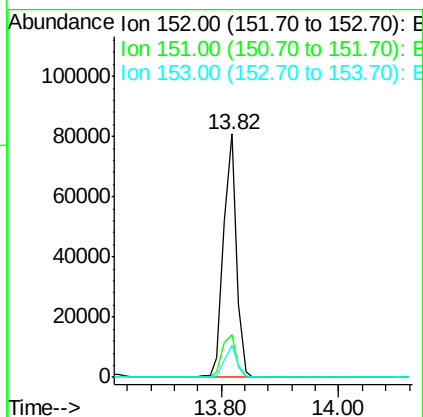
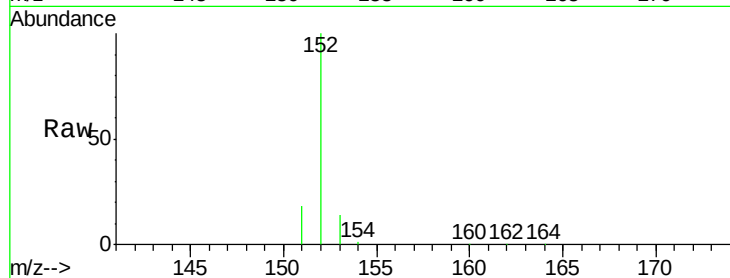




#15
Acenaphthylene
Concen: 10.21 ng
RT: 13.82 min Scan# 836
Delta R.T. -0.00 min
Lab File: BM001361.D
Acq: 21 May 2015 15:08

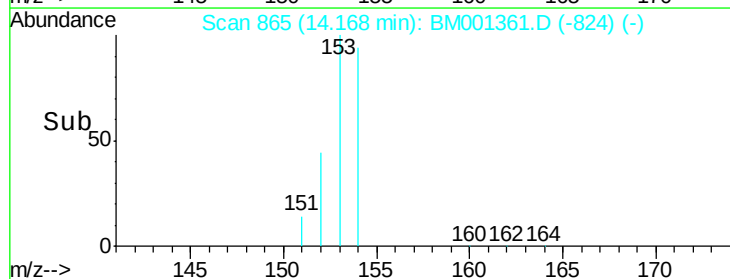
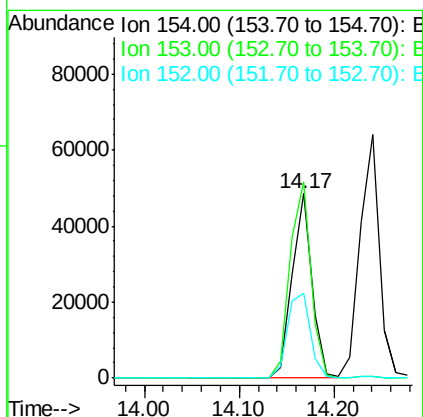
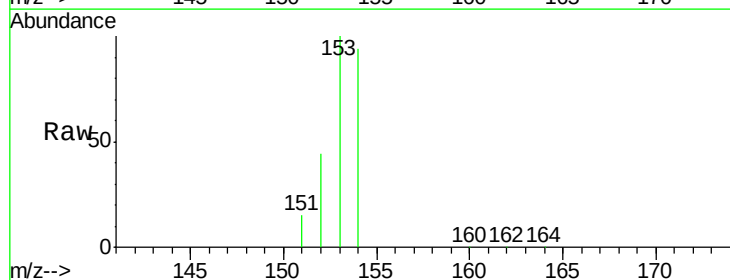
Instrument :
BNA_M
ClientSampleId :

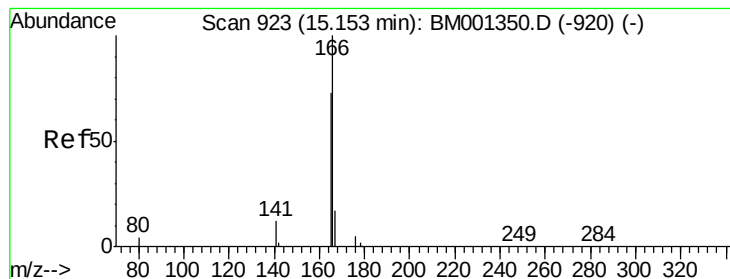
Tot Ion:152 Resp: 121412
Ion Ratio Lower Upper
152 100
151 18.9 15.3 22.9
153 12.9 10.3 15.5



#16
Acenaphthene
Concen: 9.38 ng
RT: 14.17 min Scan# 865
Delta R.T. -0.00 min
Lab File: BM001361.D
Acq: 21 May 2015 15:08

Tgt Ion:154 Resp: 70023
Ion Ratio Lower Upper
154 100
153 111.7 90.6 135.8
152 52.7 43.6 65.4





#17

Fluorene

Concen: 9.25 ng

RT: 15.15 min Scan# 923

Delta R.T. -0.00 min

Lab File: BM001361.D

Acq: 21 May 2015 15:08

Instrument :

BNA_M

ClientSampleId :

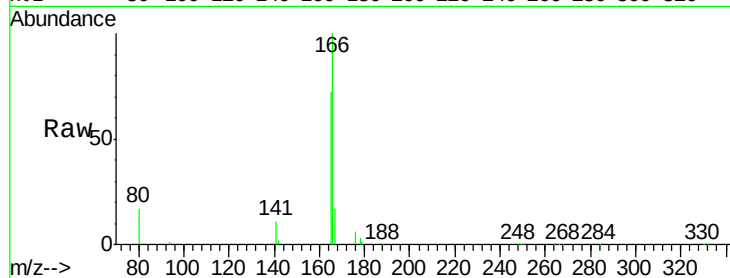
Tot Ion:166 Resp: 55262

Ion Ratio Lower Upper

166 100

165 88.3 72.5 108.7

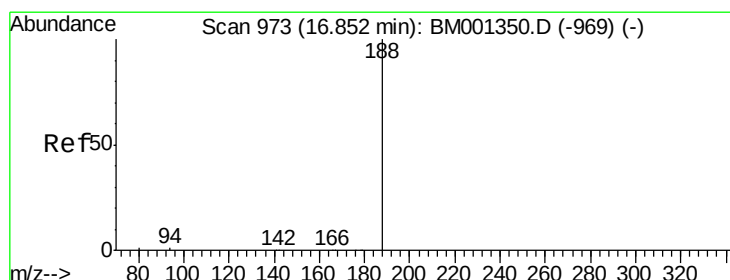
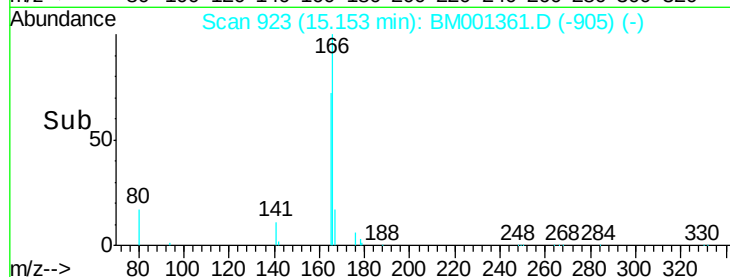
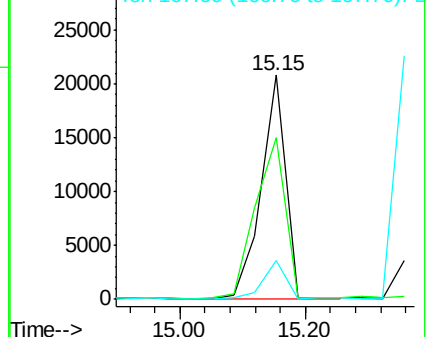
167 16.1 16.0 24.0



Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E



#18

Phenanthrene-d10

Concen: 5.00 ng

RT: 16.85 min Scan# 973

Delta R.T. -0.00 min

Lab File: BM001361.D

Acq: 21 May 2015 15:08

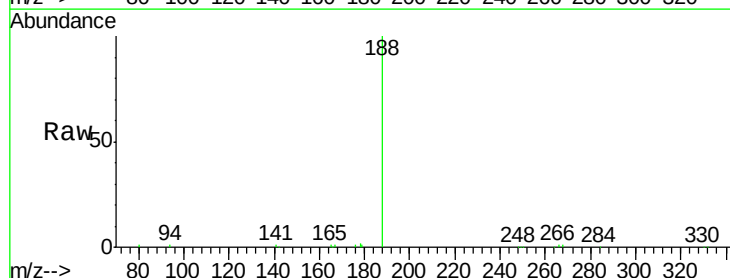
Tgt Ion:188 Resp: 60359

Ion Ratio Lower Upper

188 100

94 1.0 0.6 1.0#

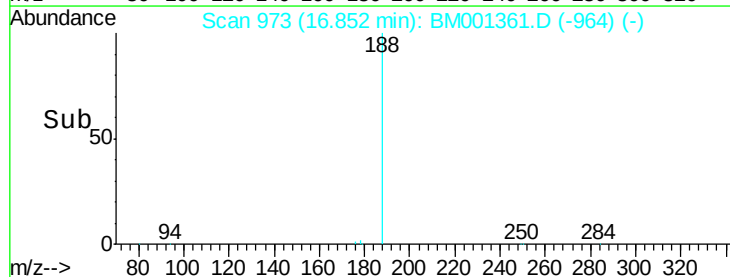
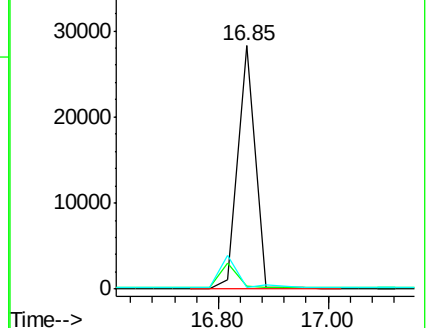
80 0.8 0.6 0.8

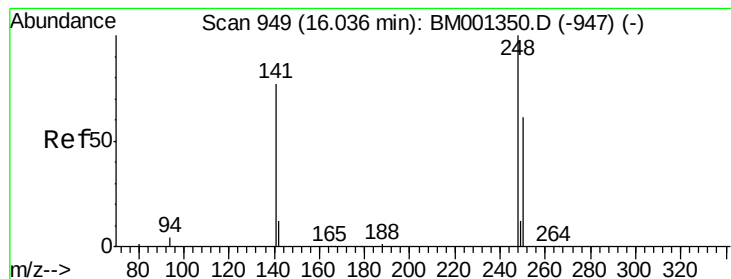


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BM0

Ion 80.00 (79.70 to 80.70): BM0





#19

4-Bromophenyl-phenylether

Concen: 11.03 ng

RT: 16.04 min Scan# 949

Delta R.T. 0.00 min

Lab File: BM001361.D

Acq: 21 May 2015 15:08

Instrument :

BNA_M

ClientSampled :

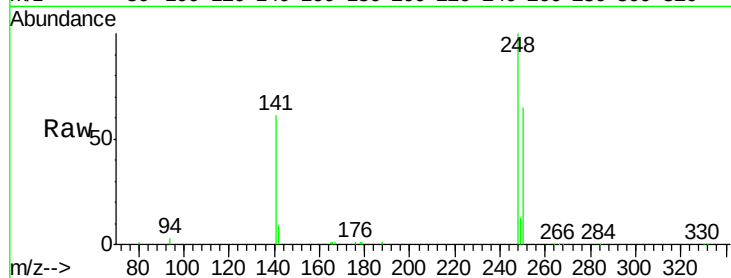
Tot Ion:248 Resp: 35801

Ion Ratio Lower Upper

248 100

250 66.5 51.5 77.3

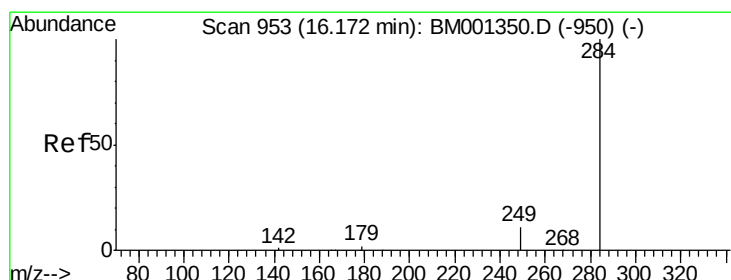
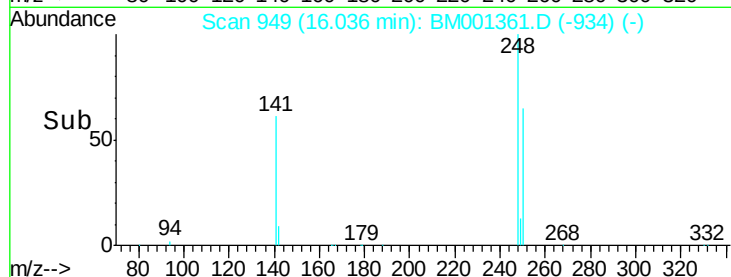
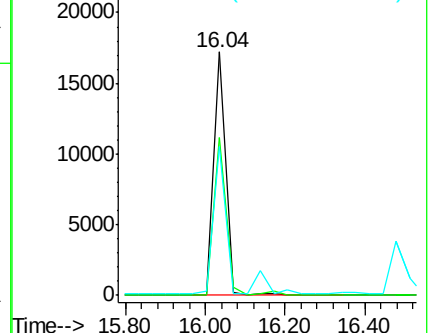
141 60.5 59.0 88.6



Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E



#20

Hexachlorobenzene

Concen: 9.72 ng

RT: 16.17 min Scan# 953

Delta R.T. -0.00 min

Lab File: BM001361.D

Acq: 21 May 2015 15:08

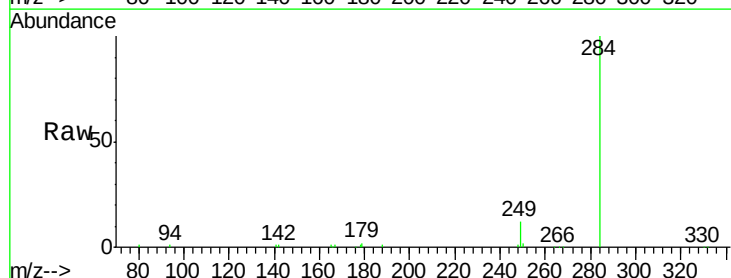
Tgt Ion:284 Resp: 43297

Ion Ratio Lower Upper

284 100

142 0.0 0.0 0.0

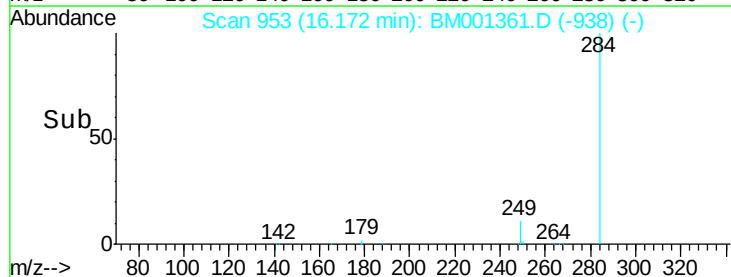
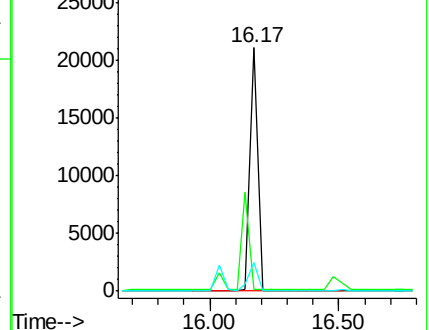
249 14.0 11.1 16.7

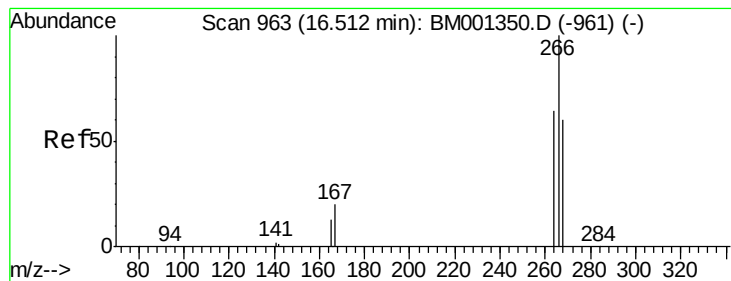


Abundance Ion 283.80 (283.50 to 284.50): E

Ion 142.00 (141.70 to 142.70): E

Ion 249.00 (248.70 to 249.70): E





#21

Pentachlorophenol

Concen: 145.05 ng

RT: 16.51 min Scan# 963

Delta R.T. 0.00 min

Lab File: BM001361.D

Acq: 21 May 2015 15:08

Instrument :

BNA_M

ClientSampleId :

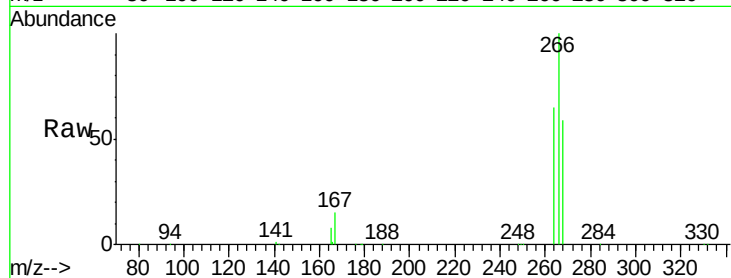
Tot Ion:266 Resp: 380658

Ion Ratio Lower Upper

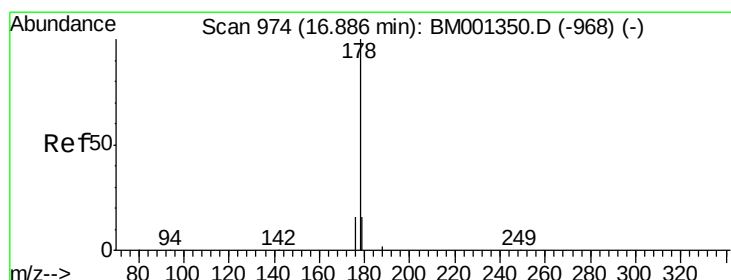
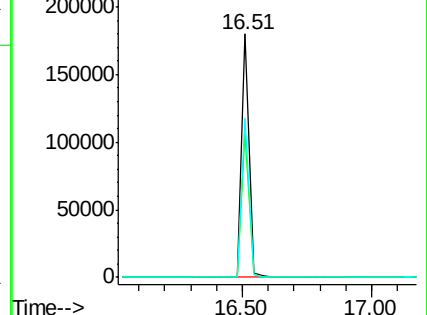
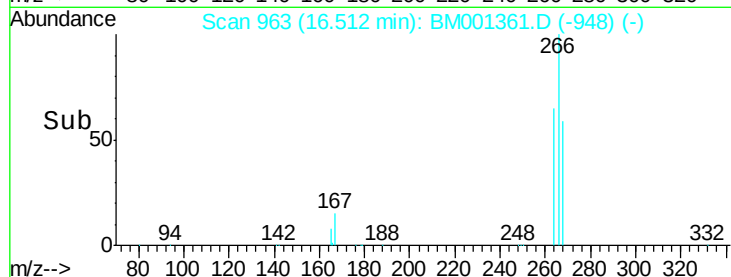
266 100

268 59.2 51.2 76.8

264 65.1 53.7 80.5



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



#22

Phenanthrene

Concen: 14.00 ng

RT: 16.89 min Scan# 974

Delta R.T. -0.00 min

Lab File: BM001361.D

Acq: 21 May 2015 15:08

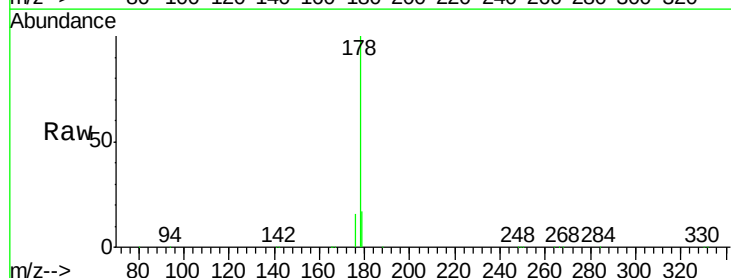
Tgt Ion:178 Resp: 297021

Ion Ratio Lower Upper

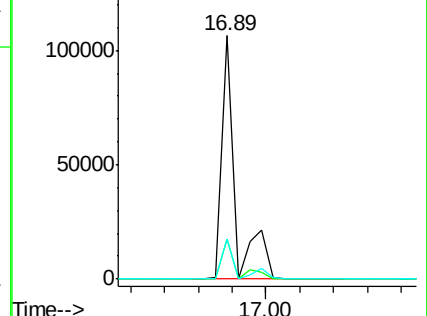
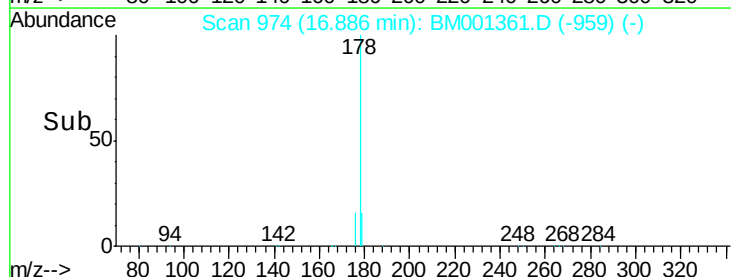
178 100

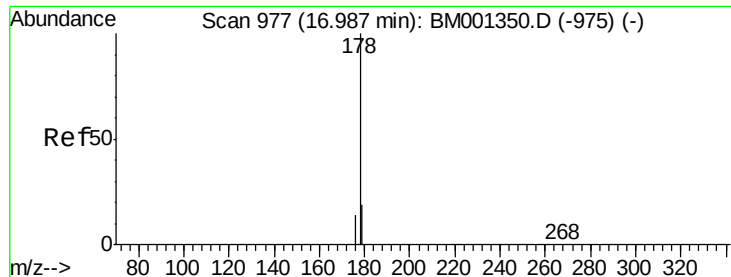
176 16.9 16.6 25.0

179 13.4 12.8 19.2



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





#23

Anthracene

Concen: 36.16 ng

RT: 16.89 min Scan# 974

Delta R.T. -0.10 min

Lab File: BM001361.D

Acq: 21 May 2015 15:08

Instrument :

BNA_M

ClientSampled :

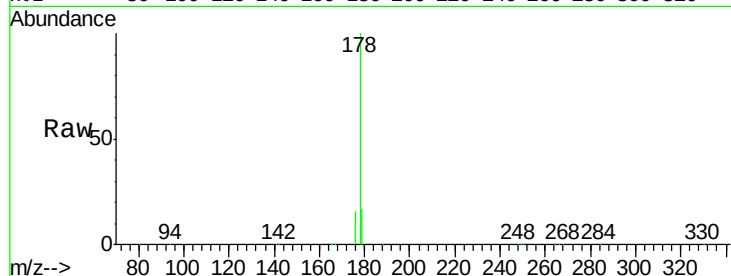
Tot Ion:178 Resp: 297021

Ion Ratio Lower Upper

178 100

176 16.9 46.1 69.1#

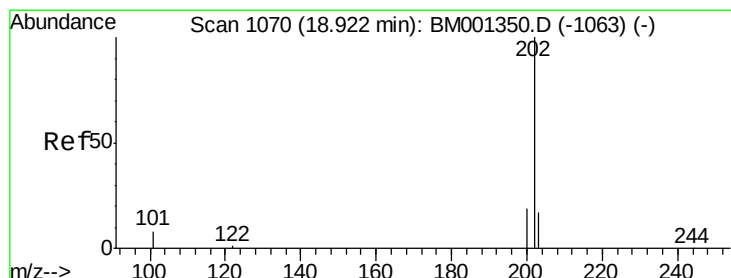
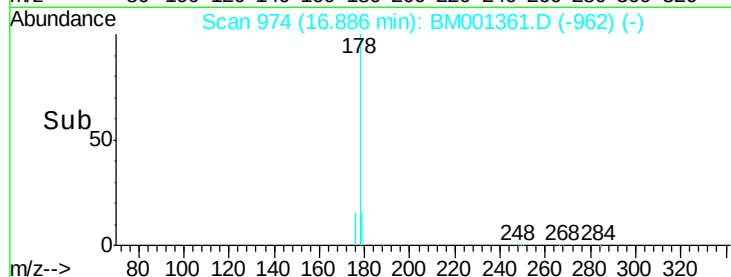
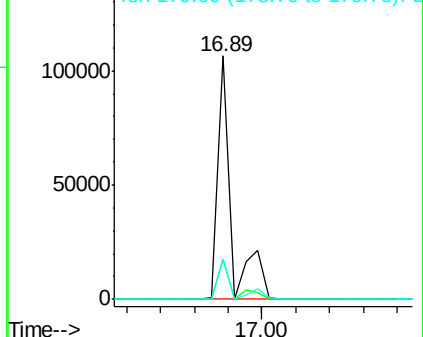
179 13.4 35.4 53.0#



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: 11.08 ng

RT: 18.92 min Scan# 1070

Delta R.T. -0.00 min

Lab File: BM001361.D

Acq: 21 May 2015 15:08

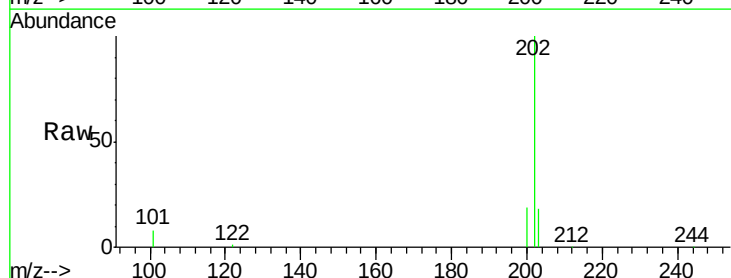
Tgt Ion:202 Resp: 201510

Ion Ratio Lower Upper

202 100

101 11.1 8.7 13.1

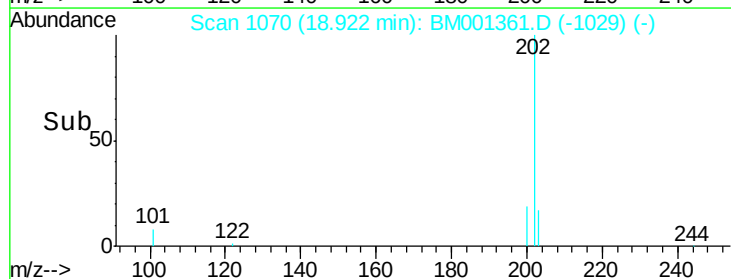
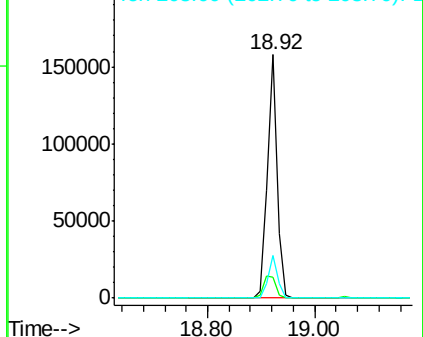
203 17.1 13.8 20.6

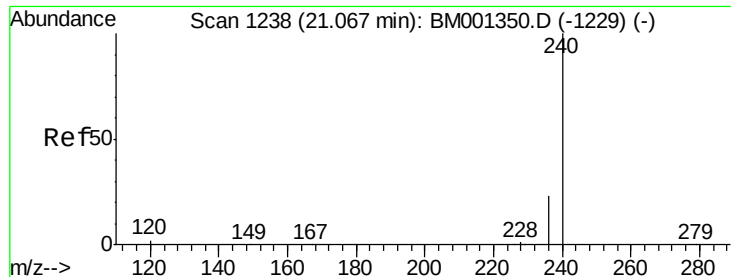


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E

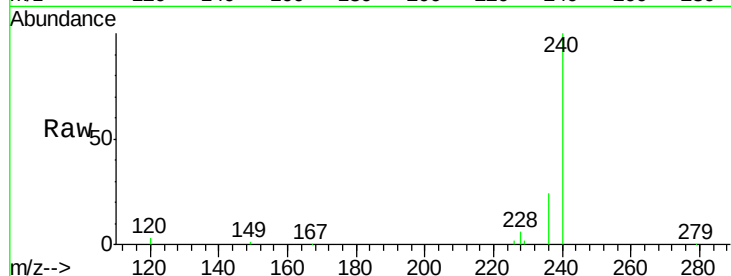




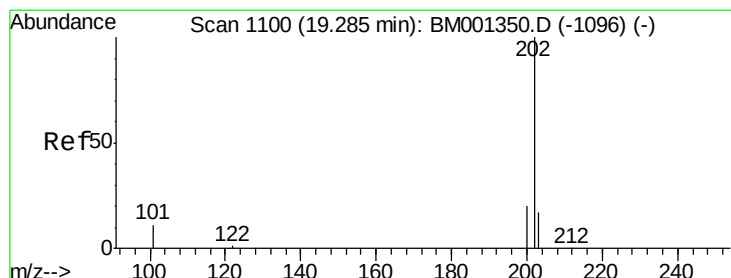
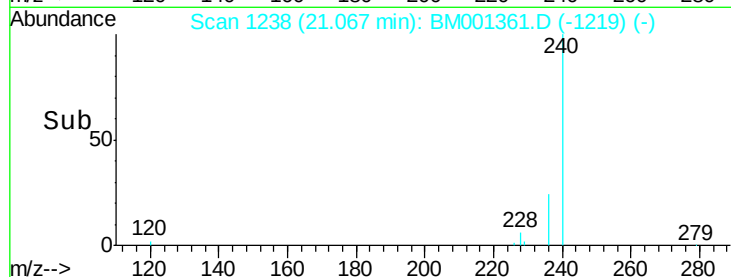
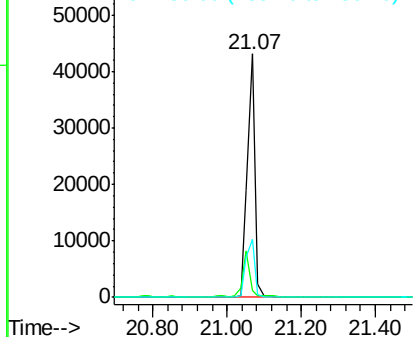
#25
Chrysene-d12
Concen: 5.00 ng
RT: 21.07 min Scan# 1238
Delta R.T. -0.00 min
Lab File: BM001361.D
Acq: 21 May 2015 15:08

Instrument :
BNA_M
ClientSampleId :

Tot Ion:240 Resp: 60432
Ion Ratio Lower Upper
240 100
120 2.5 1.6 2.4#
236 24.0 18.5 27.7

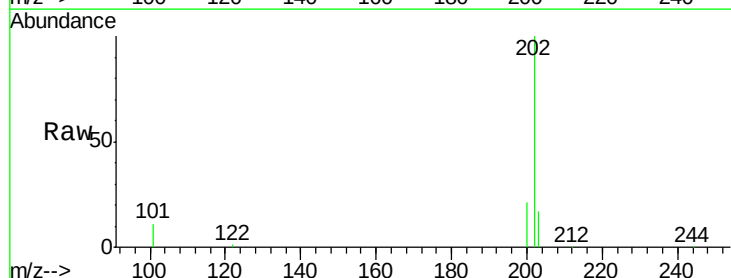


Abundance Ion 240.00 (239.70 to 240.70): E
Ion 120.00 (119.70 to 120.70): E
Ion 236.00 (235.70 to 236.70): E

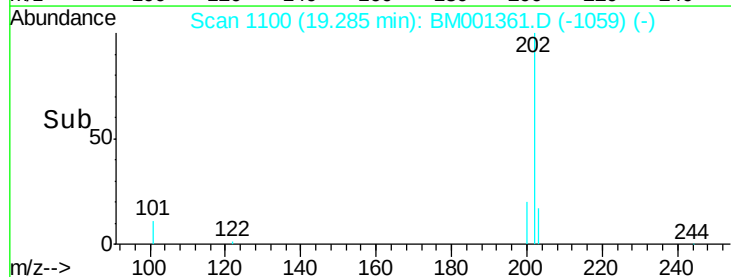
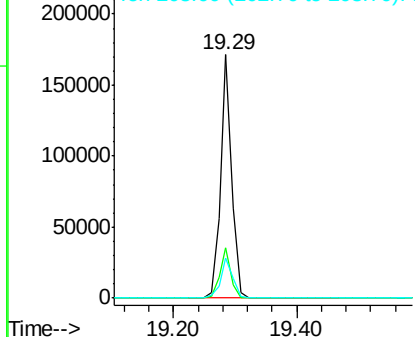


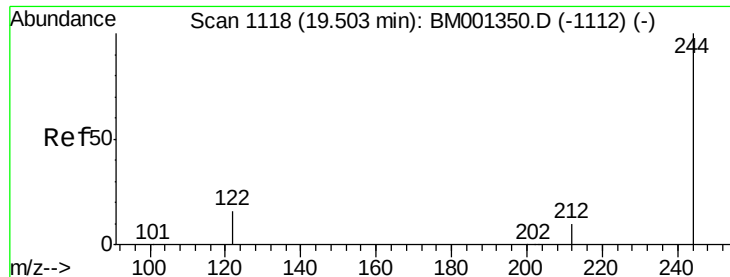
#26
Pyrene
Concen: 11.76 ng
RT: 19.29 min Scan# 1100
Delta R.T. -0.00 min
Lab File: BM001361.D
Acq: 21 May 2015 15:08

Tgt Ion:202 Resp: 217173
Ion Ratio Lower Upper
202 100
200 20.5 16.2 24.4
203 18.0 13.9 20.9



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





#27

Terphenyl-d14

Concen: 10.17 ng

RT: 19.50 min Scan# 1118

Delta R.T. -0.00 min

Lab File: BM001361.D

Acq: 21 May 2015 15:08

Instrument :

BNA_M

ClientSampleId :

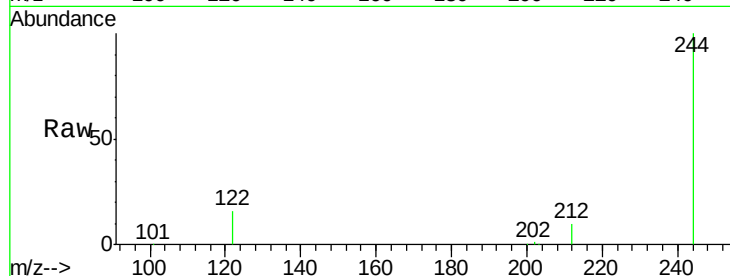
Tot Ion:244 Resp: 80819

Ion Ratio Lower Upper

244 100

212 10.1 8.5 12.7

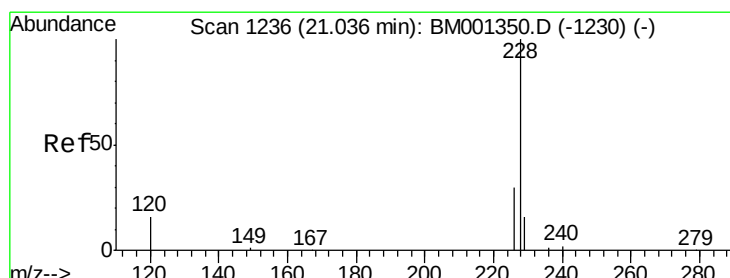
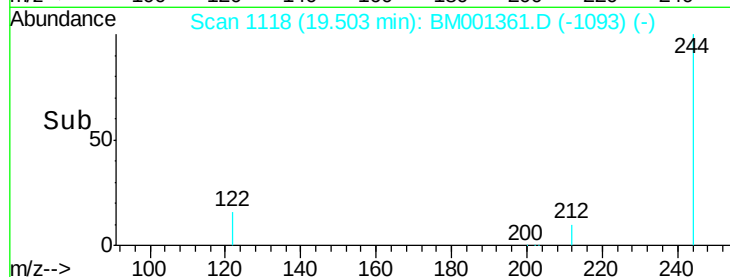
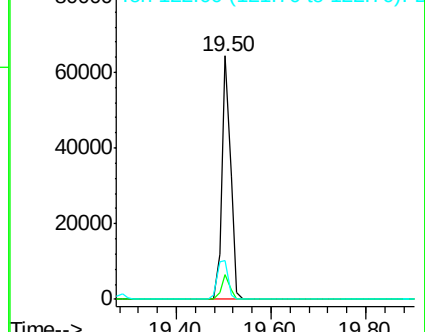
122 16.2 13.4 20.2



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



#28

Benzo(a)anthracene

Concen: 10.42 ng

RT: 21.04 min Scan# 1236

Delta R.T. -0.00 min

Lab File: BM001361.D

Acq: 21 May 2015 15:08

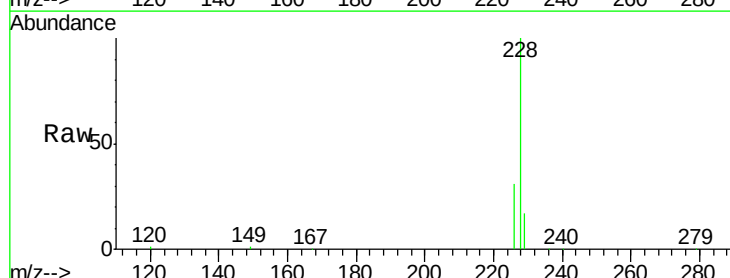
Tgt Ion:228 Resp: 180171

Ion Ratio Lower Upper

228 100

226 30.5 24.5 36.7

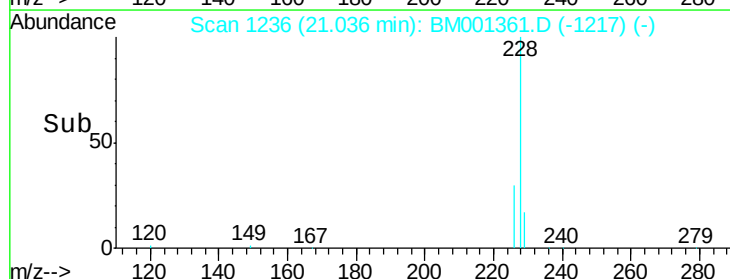
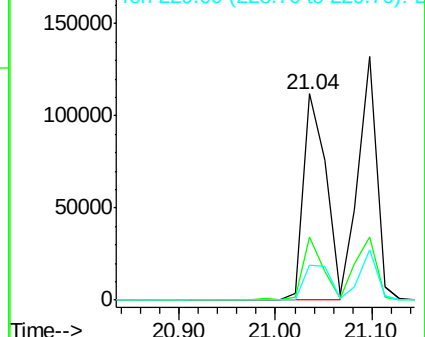
229 16.8 13.3 19.9

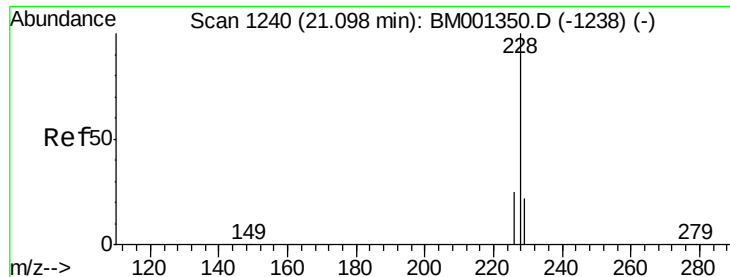


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#29

Chrysene

Concen: 10.67 ng

RT: 21.10 min Scan# 1240

Delta R.T. -0.00 min

Lab File: BM001361.D

Acq: 21 May 2015 15:08

Instrument :

BNA_M

ClientSampleId :

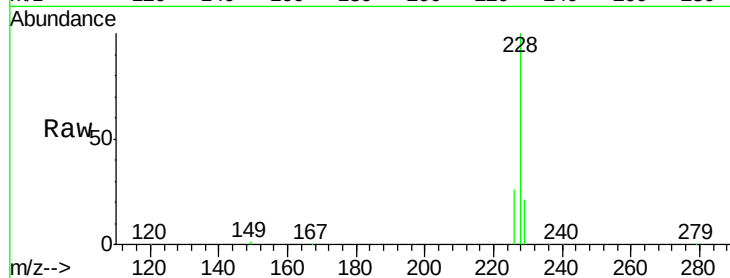
Tot Ion:228 Resp: 176668

Ion Ratio Lower Upper

228 100

226 25.9 20.0 30.0

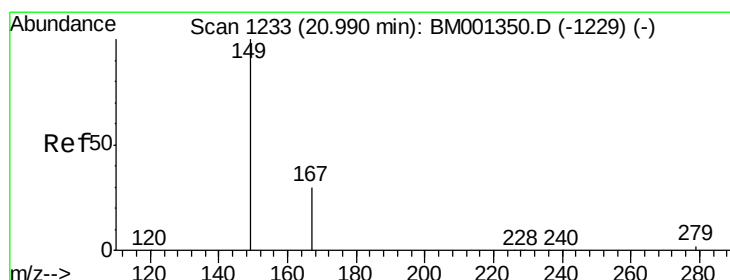
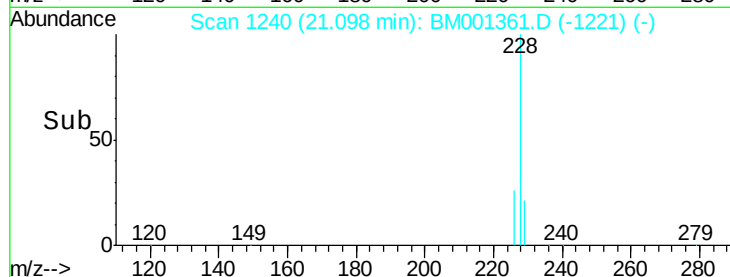
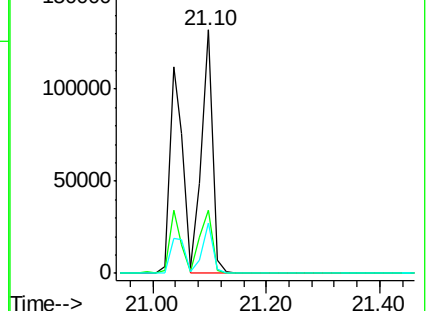
229 20.9 17.6 26.4



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: 15.78 ng

RT: 20.99 min Scan# 1233

Delta R.T. 0.00 min

Lab File: BM001361.D

Acq: 21 May 2015 15:08

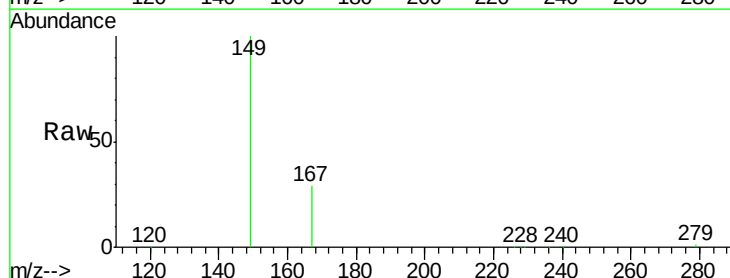
Tgt Ion:149 Resp: 174189

Ion Ratio Lower Upper

149 100

167 27.1 21.6 32.4

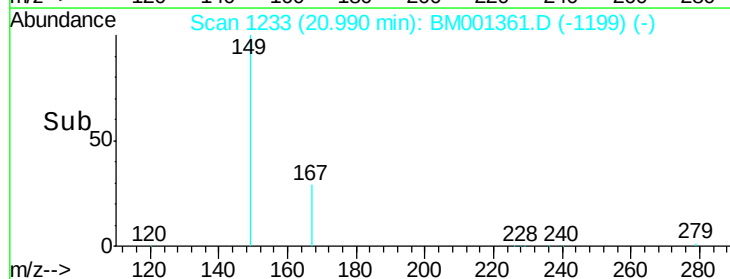
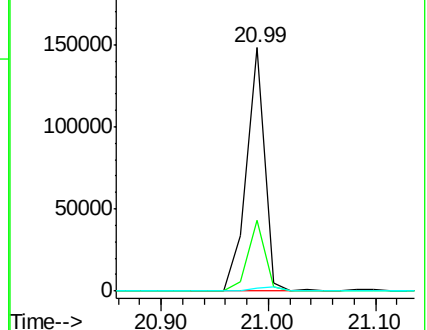
279 2.3 1.9 2.9

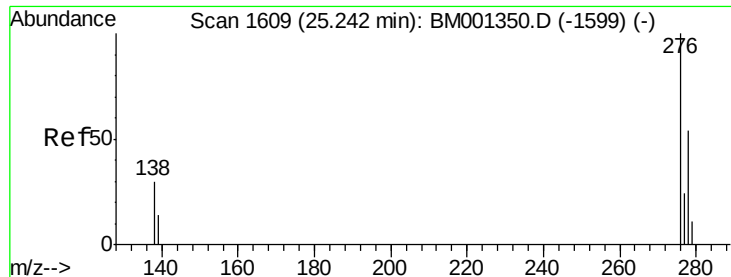


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E

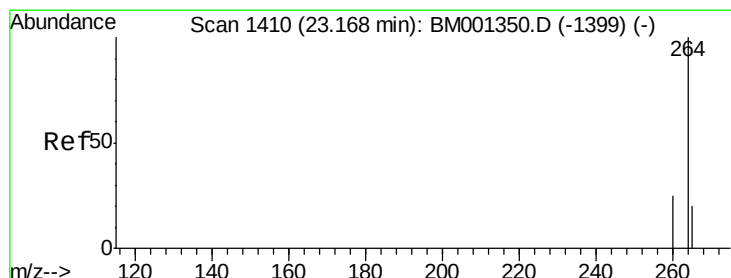
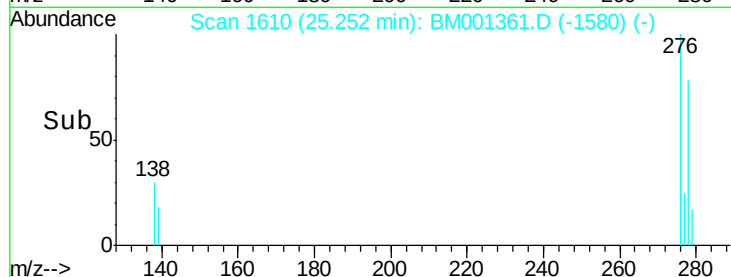
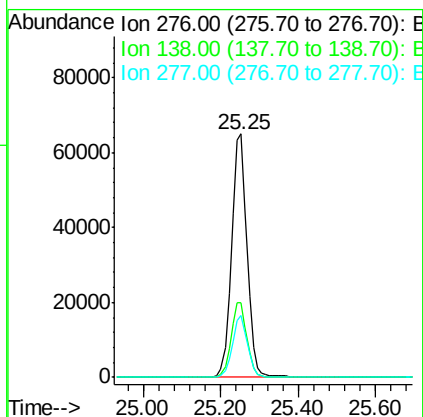
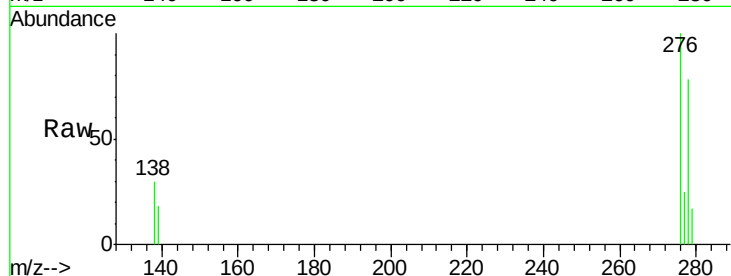




#31
 Indeno(1,2,3-cd)pyrene
 Concen: 10.07 ng
 RT: 25.25 min Scan# 1610
 Delta R.T. 0.01 min
 Lab File: BM001361.D
 Acq: 21 May 2015 15:08

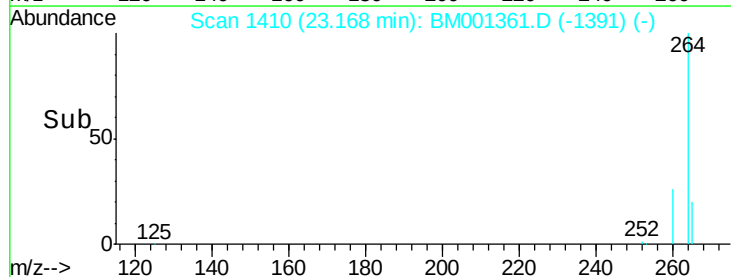
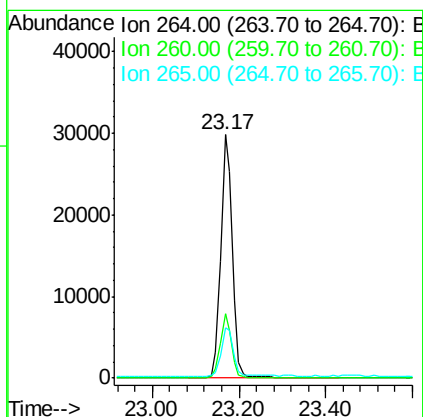
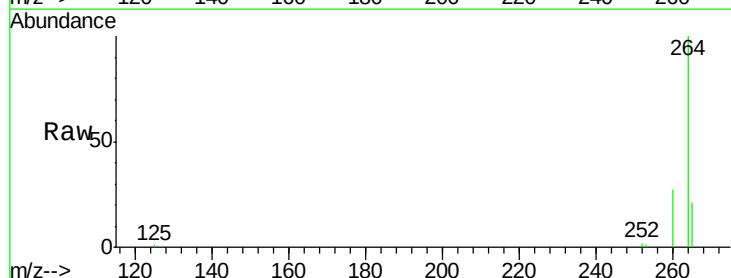
Instrument :
 BNA_M
 ClientSampleId :

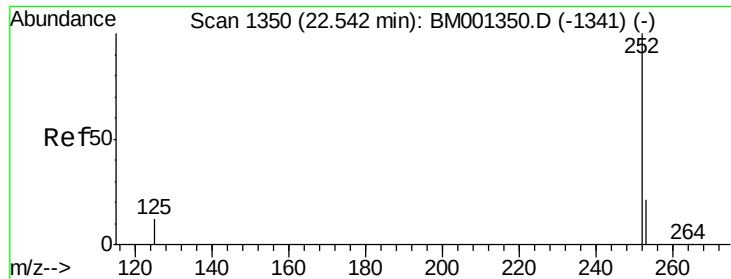
Tot Ion:276 Resp: 179436
 Ion Ratio Lower Upper
 276 100
 138 31.3 24.2 36.4
 277 24.6 19.7 29.5



#32
 Perylene-d12
 Concen: 5.00 ng
 RT: 23.17 min Scan# 1410
 Delta R.T. -0.00 min
 Lab File: BM001361.D
 Acq: 21 May 2015 15:08

Tgt Ion:264 Resp: 53446
 Ion Ratio Lower Upper
 264 100
 260 26.5 20.4 30.6
 265 20.8 16.6 24.8





#33

Benzo(b)fluoranthene

Concen: 10.72 ng

RT: 22.54 min Scan# 1350

Delta R.T. -0.00 min

Lab File: BM001361.D

Acq: 21 May 2015 15:08

Instrument :

BNA_M

ClientSampleId :

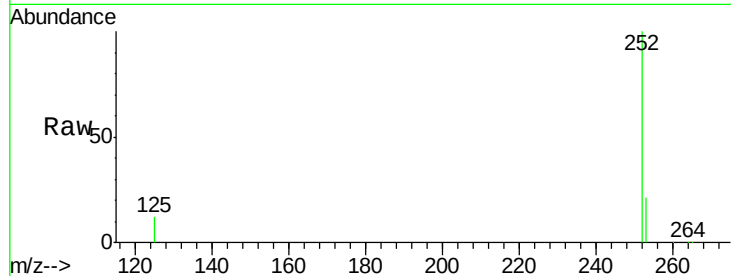
Tot Ion:252 Resp: 176563

Ion Ratio Lower Upper

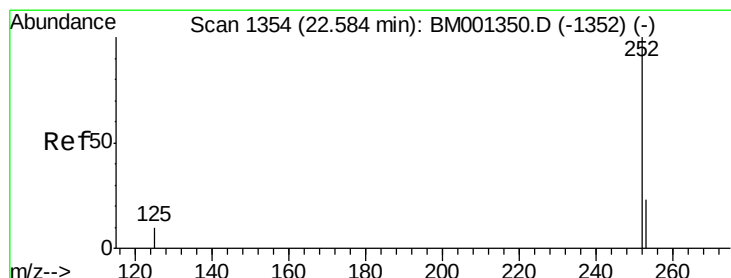
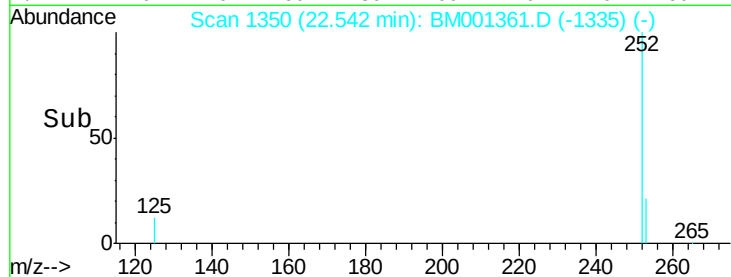
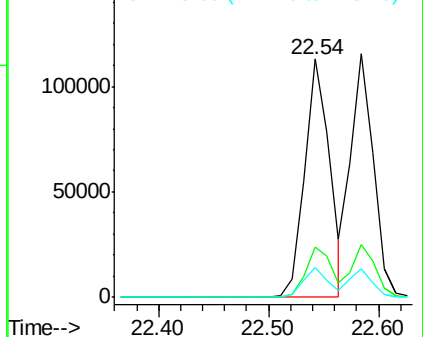
252 100

253 20.9 17.9 26.9

125 12.3 9.8 14.8



Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E



#34

Benzo(k)fluoranthene

Concen: 11.48 ng

RT: 22.58 min Scan# 1354

Delta R.T. -0.00 min

Lab File: BM001361.D

Acq: 21 May 2015 15:08

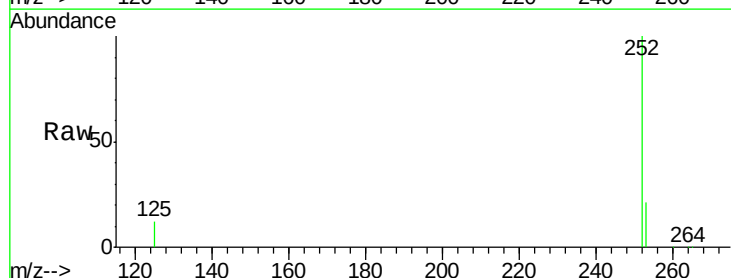
Tgt Ion:252 Resp: 166496

Ion Ratio Lower Upper

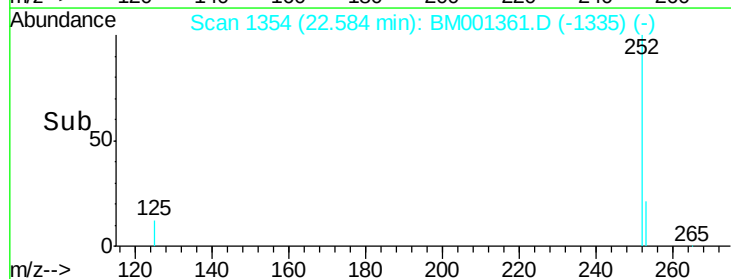
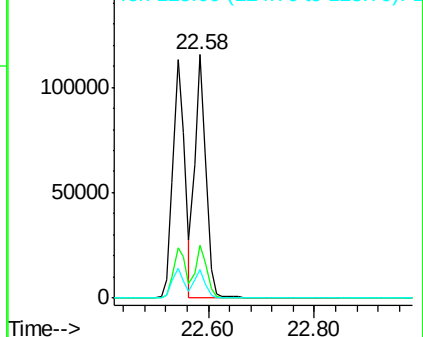
252 100

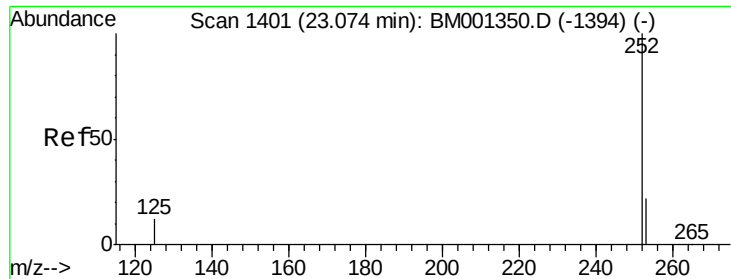
253 21.5 18.6 28.0

125 11.8 9.3 13.9



Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E





#35

Benzo(a)pyrene

Concen: 11.78 ng

RT: 23.07 min Scan# 1401

Delta R.T. -0.00 min

Lab File: BM001361.D

Acq: 21 May 2015 15:08

Instrument :

BNA_M

ClientSampleId :

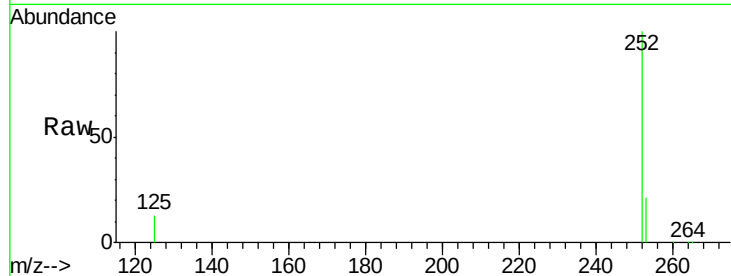
Tot Ion:252 Resp: 164958

Ion Ratio Lower Upper

252 100

253 21.0 18.9 28.3

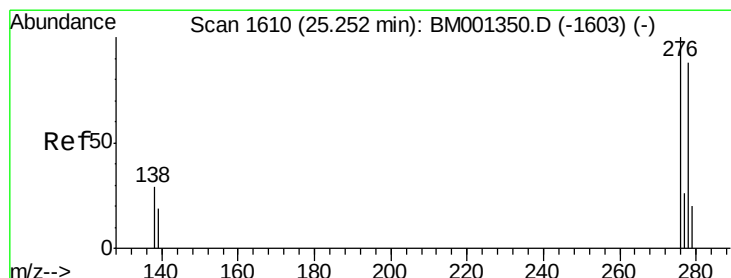
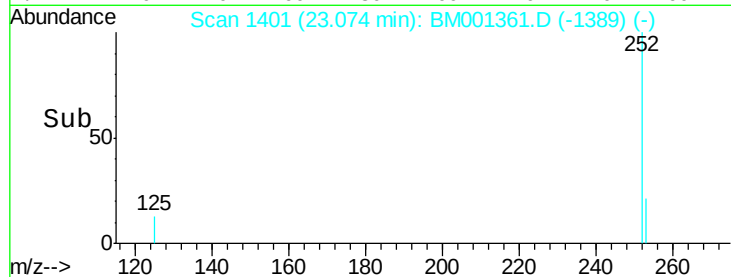
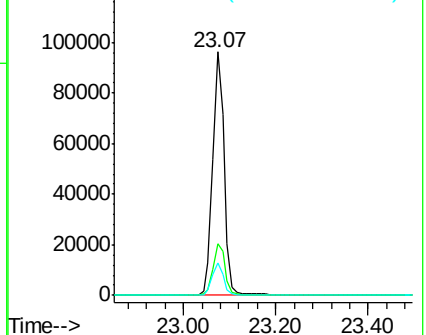
125 13.4 10.6 15.8



Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#36

Dibenzo(a,h)anthracene

Concen: 11.17 ng

RT: 25.26 min Scan# 1611

Delta R.T. 0.01 min

Lab File: BM001361.D

Acq: 21 May 2015 15:08

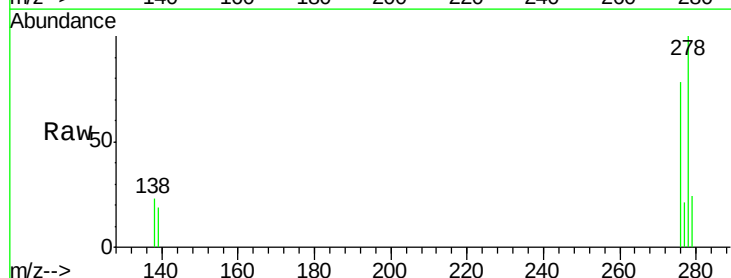
Tgt Ion:278 Resp: 143827

Ion Ratio Lower Upper

278 100

139 19.0 17.5 26.3

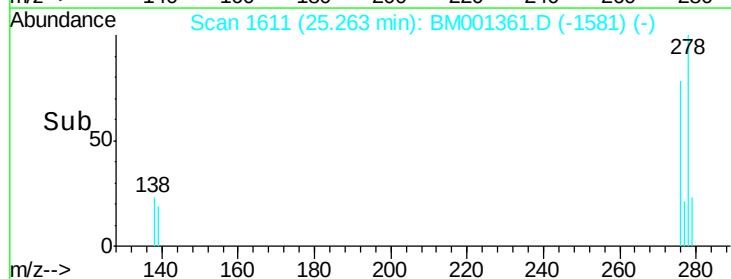
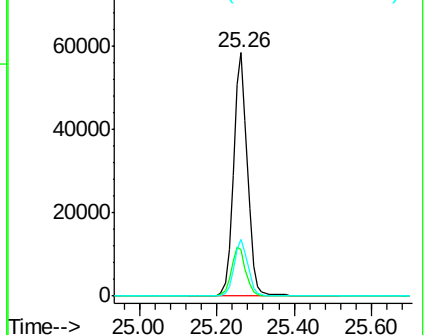
279 23.6 18.7 28.1

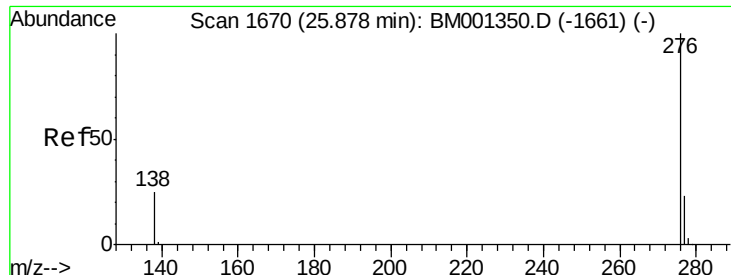


Abundance Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E





#37

Benzo(a,h,i)perylene

Concen: 10.75 ng

RT: 25.88 min Scan# 1670

Delta R.T. -0.00 min

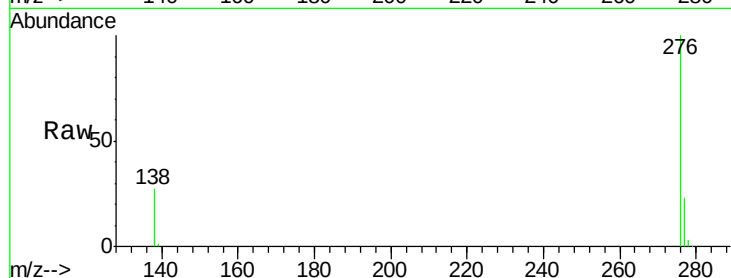
Lab File: BM001361.D

Acq: 21 May 2015 15:08

Instrument :

BNA_M

ClientSampleId :



Tot Ion: 276 Resp: 148622

Ion Ratio Lower Upper

276 100

277 22.8 19.2 28.8

138 27.2 20.2 30.4

