

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM062215\
 Data File : BM001772.D
 Acq On : 22 Jun 2015 13:21
 Operator : TP/IZ
 Sample : G2474-03
 Misc : 4 TIME INT STD
 ALS Vial : 4 Sample Multiplier: 4

Instrument :
 BNA_M
 ClientSampleId :
 C-3

Quant Time: Jun 23 04:20:36 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	70354	5.00	ng	0.00
6) Naphthalene-d8	10.44	136	257883	5.00	ng	-0.02
12) Acenaphthene-d10	14.32	164	125111	5.00	ng	0.00
18) Phenanthrene-d10	17.06	188	160924	5.00	ng	0.00
25) Chrysene-d12	21.25	240	201761	5.00	ng	0.00
32) Perylene-d12	23.48	264	189304	5.00	ng	0.00

System Monitoring Compounds						
4) 2-Fluorophenol	5.25	112	139026	33.81	ng	0.00
5) Phenol-d6	6.83	99	127558	24.10	ng	0.00
7) Nitrobenzene-d5	8.83	82	367821	73.11	ng	0.00
13) 2,4,6-Tribromophenol	15.81	330	124099	127.05	ng	0.00
14) 2-Fluorobiphenyl	12.93	172	654951	58.59	ng	0.00
27) Terphenyl-d14	19.69	244	458295	61.66	ng	0.00

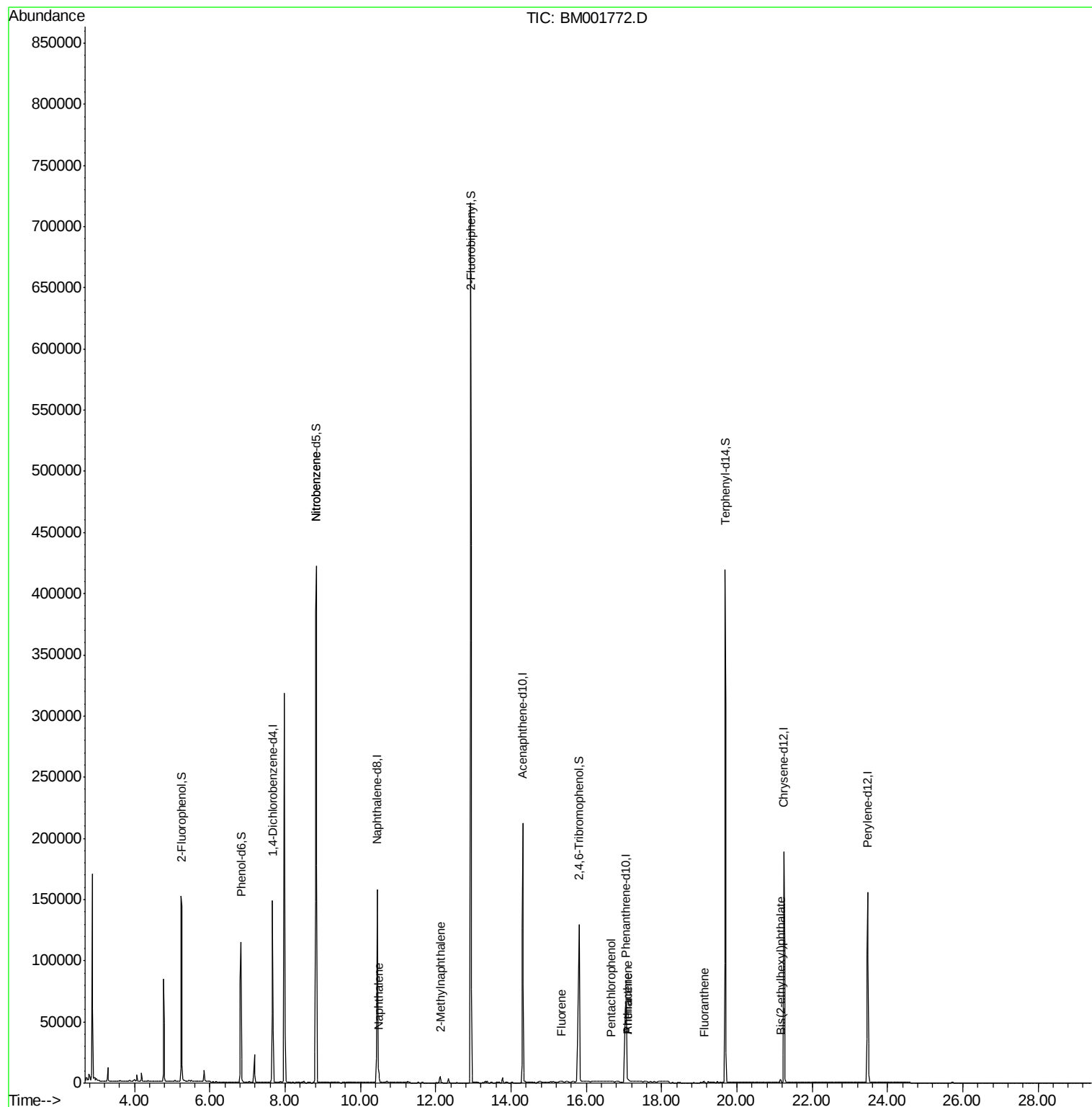
Target Compounds						Qvalue
2) 1,4-Dioxane	3.18	88	98	0.05	ng	# 1
8) Nitrobenzene	8.83	77	1325	0.24	ng	# 37
9) Naphthalene	10.49	128	9088	0.58	ng	99
11) 2-Methylnaphthalene	12.12	142	4140	0.41	ng	91
16) Acenaphthene	14.38	154	733	0.08	ng	94
17) Fluorene	15.33	166	848	0.11	ng	# 72
21) Pentachlorophenol	16.65	266	94	0.19	ng	# 64
22) Phenanthrene	17.10	178	3312	0.24	ng	# 89
23) Anthracene	17.10	178	3292	0.57	ng	# 94
24) Fluoranthene	19.13	202	1233	0.14	ng	# 93
26) Pyrene	19.49	202	997	0.06	ng	96
28) Benzo(a)anthracene	21.25	228	1018	0.07	ng	# 83
29) Chrysene	21.25	228	1018	0.06	ng	# 74
30) Bis(2-ethylhexyl)phthalate	21.16	149	3024	0.34	ng	100
33) Benzo(b)fluoranthene	22.80	252	343	0.02	ng	# 1
34) Benzo(k)fluoranthene	22.80	252	350	0.03	ng	# 1

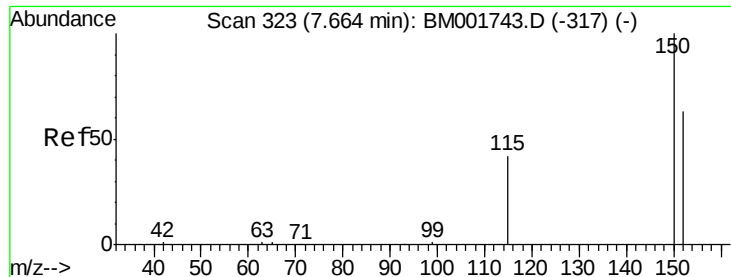
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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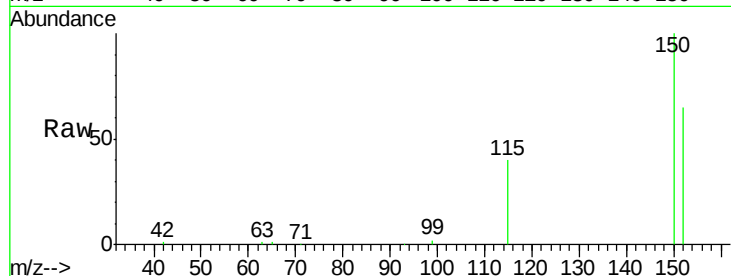


#1

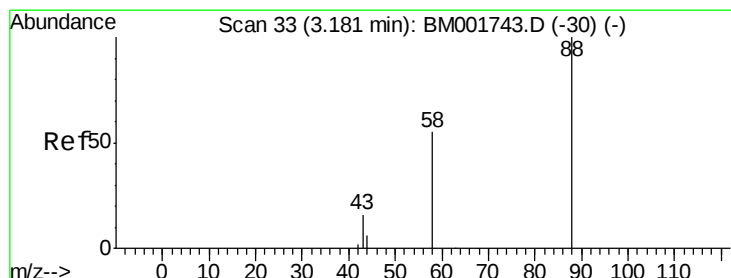
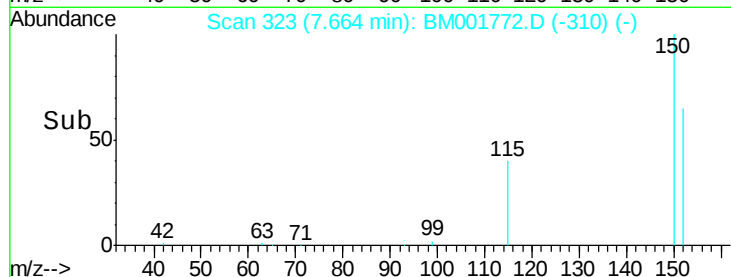
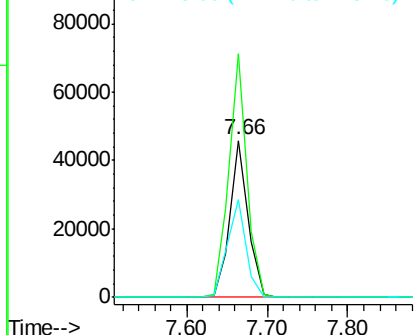
1,4-Dichlorobenzene-d4
Concen: 5.00 ng
RT: 7.66 min Scan# 323
Delta R.T. 0.00 min
Lab File: BM001772.D
Acq: 22 Jun 2015 13:21

Instrument :
BNA_M
ClientSampleId :
C-3

Tgt Ion: 152 Resp: 70354
Ion Ratio Lower Upper
152 100
150 154.9 127.5 191.3
115 62.0 53.2 79.8



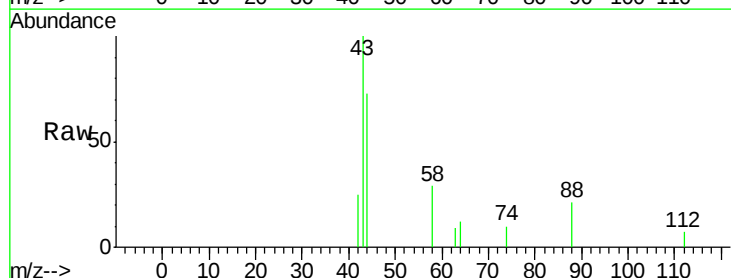
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



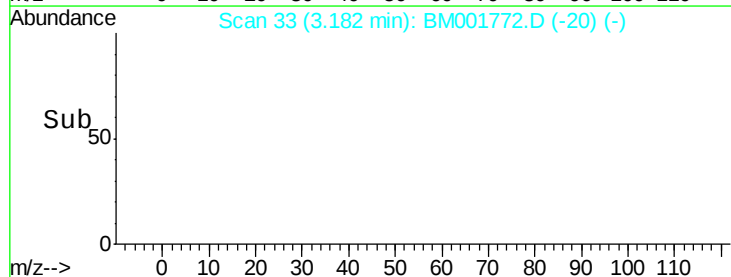
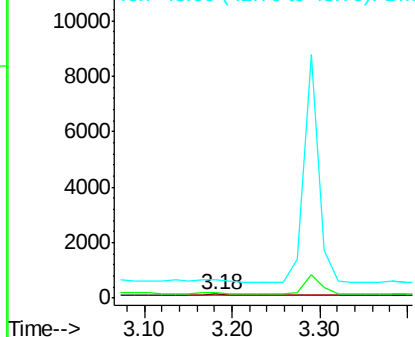
#2

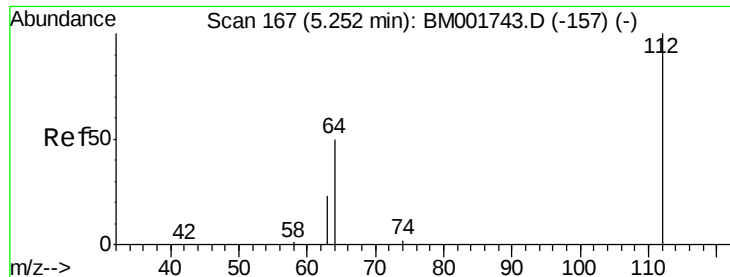
1,4-Dioxane
Concen: 0.05 ng
RT: 3.18 min Scan# 33
Delta R.T. 0.00 min
Lab File: BM001772.D
Acq: 22 Jun 2015 13:21

Tgt Ion: 88 Resp: 98
Ion Ratio Lower Upper
88 100
58 55.1 68.3 102.5#
43 394.9 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: 33.81 ng

RT: 5.25 min Scan# 167

Delta R.T. 0.00 min

Lab File: BM001772.D

Acq: 22 Jun 2015 13:21

Instrument :

BNA_M

ClientSampleId :

C-3

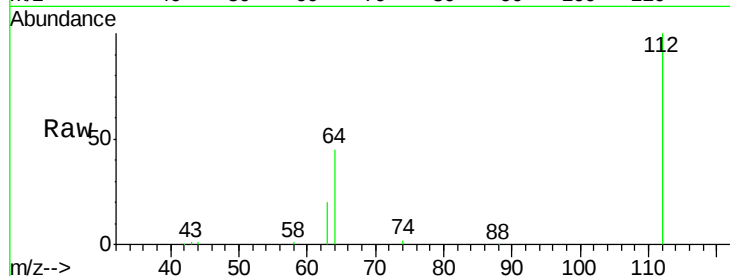
Tgt Ion: 112 Resp: 139026

Ion Ratio Lower Upper

112 100

64 70.2 55.6 83.4

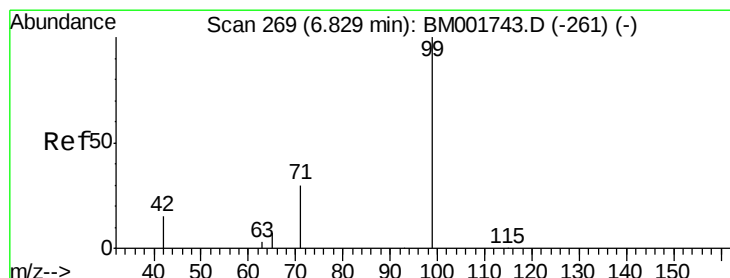
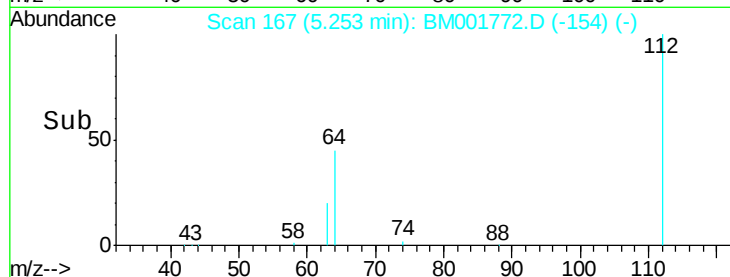
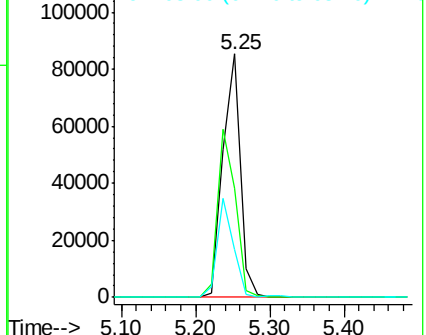
63 38.5 30.2 45.2



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: 24.10 ng

RT: 6.83 min Scan# 269

Delta R.T. 0.00 min

Lab File: BM001772.D

Acq: 22 Jun 2015 13:21

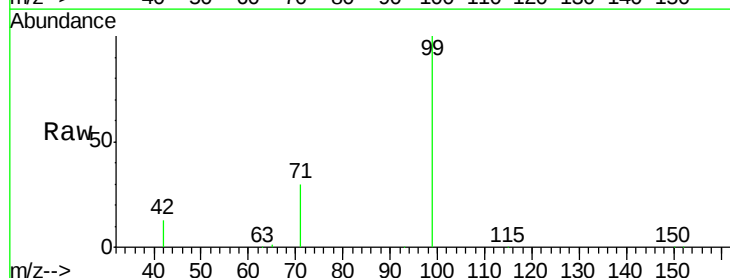
Tgt Ion: 99 Resp: 127558

Ion Ratio Lower Upper

99 100

42 24.9 21.4 32.0

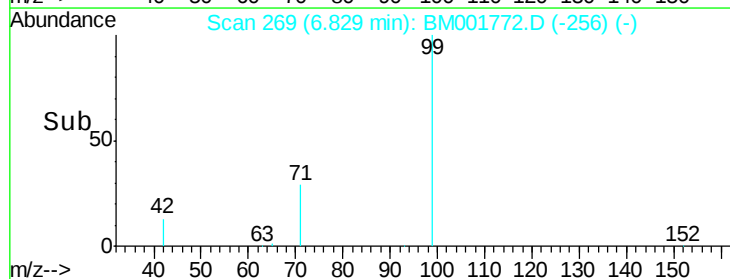
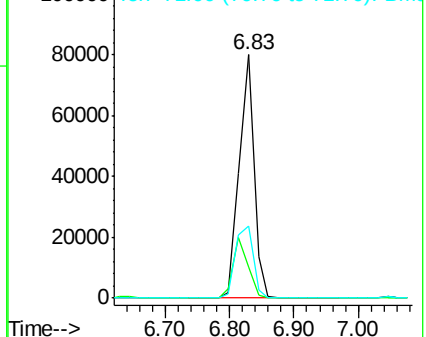
71 35.5 28.3 42.5

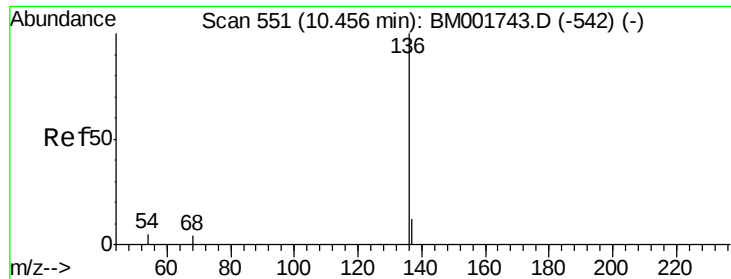


Abundance Ion 99.00 (98.70 to 99.70): B

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: 10.44 min Scan# 550

Delta R.T. -0.02 min

Lab File: BM001772.D

Acq: 22 Jun 2015 13:21

Instrument :

BNA_M

ClientSampleId :

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Tgt Ion:136 Resp: 257883

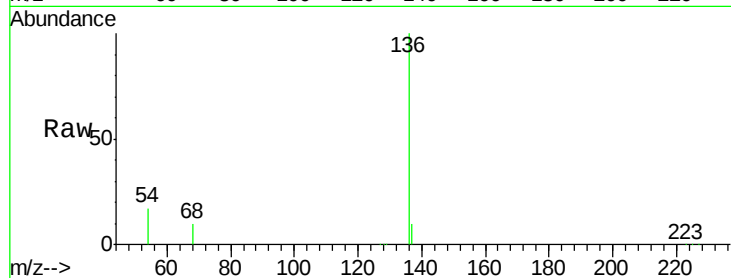
Ion Ratio Lower Upper

136 100

137 9.9 9.4 14.0

54 17.0 4.4 6.6#

68 9.7 3.1 4.7#

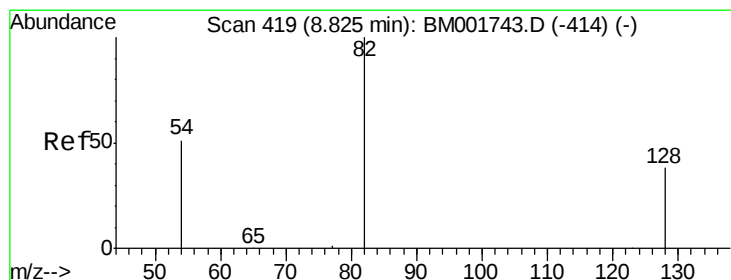
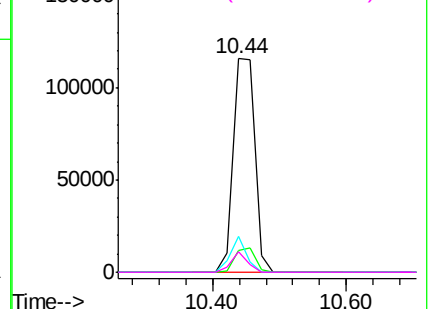
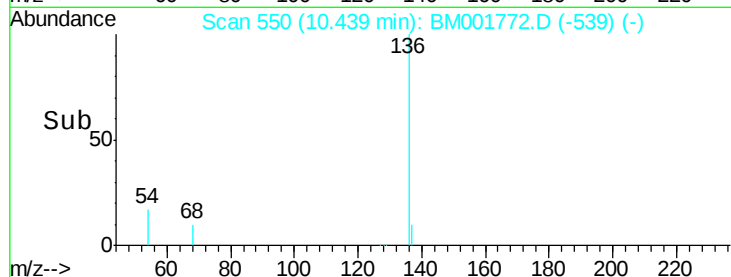


Abundance Ion 136.00 (135.70 to 136.70): E

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: 73.11 ng

RT: 8.83 min Scan# 419

Delta R.T. 0.00 min

Lab File: BM001772.D

Acq: 22 Jun 2015 13:21

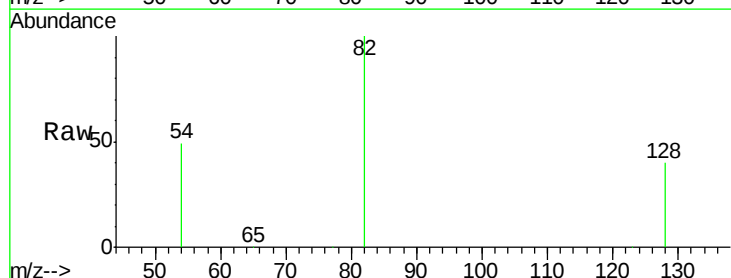
Tgt Ion: 82 Resp: 367821

Ion Ratio Lower Upper

82 100

128 40.4 31.3 46.9

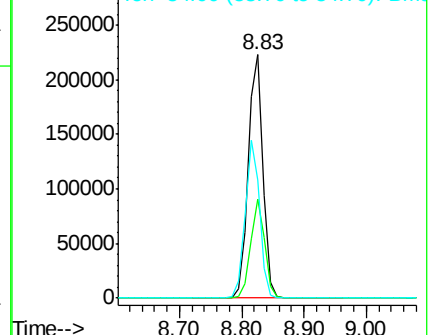
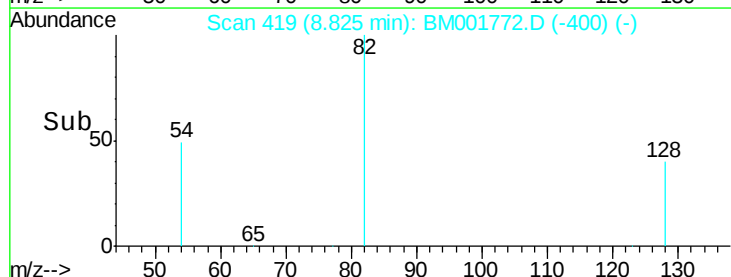
54 48.6 41.9 62.9

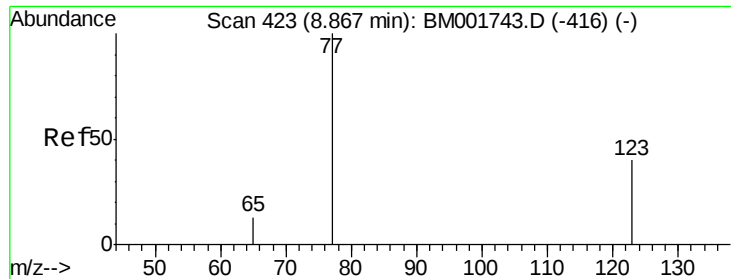


Abundance Ion 82.00 (81.70 to 82.70): BM

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BM





#8

Nitrobenzene

Concen: 0.24 ng

RT: 8.83 min Scan# 419

Delta R.T. -0.04 min

Lab File: BM001772.D

Acq: 22 Jun 2015 13:21

Instrument :

BNA_M

ClientSampleId :

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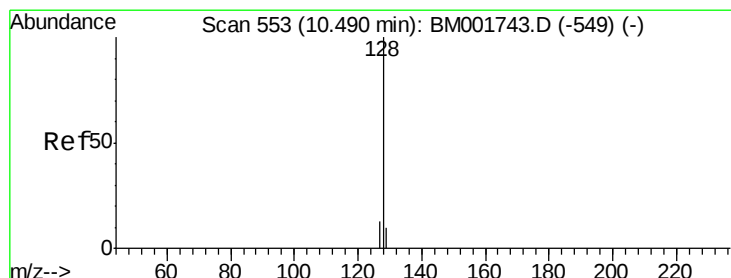
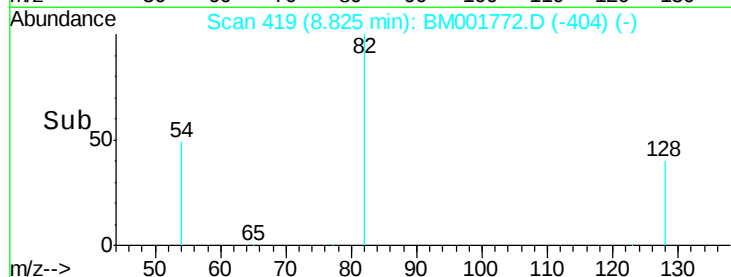
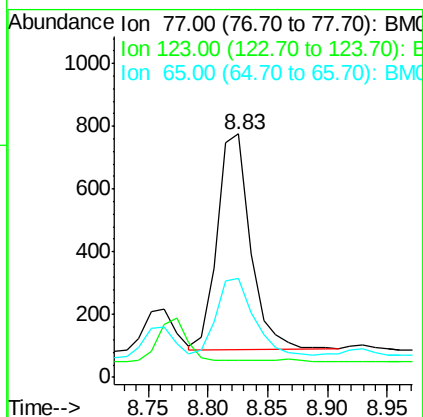
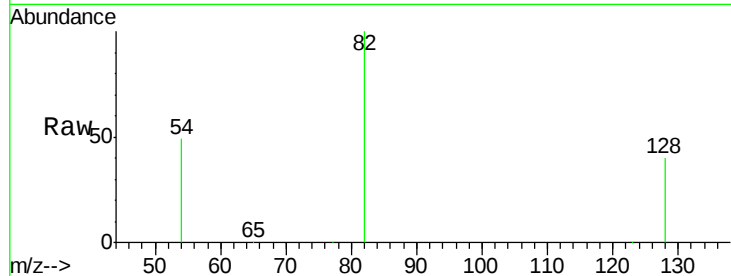
Tgt Ion: 77 Resp: 1325

Ion Ratio Lower Upper

77 100

123 0.0 30.1 45.1#

65 40.0 11.3 16.9#



#9

Naphthalene

Concen: 0.58 ng

RT: 10.49 min Scan# 553

Delta R.T. 0.00 min

Lab File: BM001772.D

Acq: 22 Jun 2015 13:21

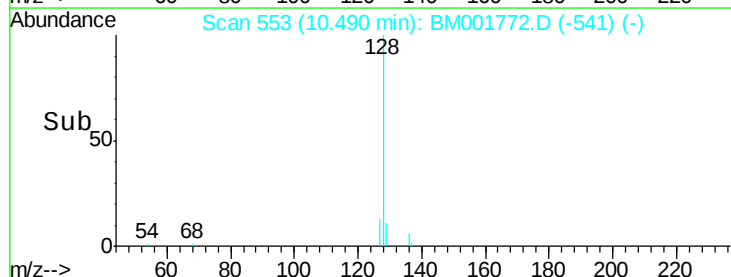
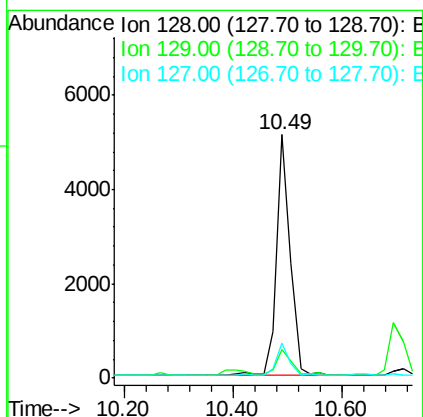
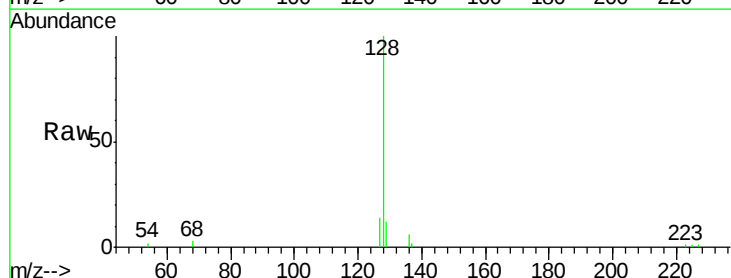
Tgt Ion: 128 Resp: 9088

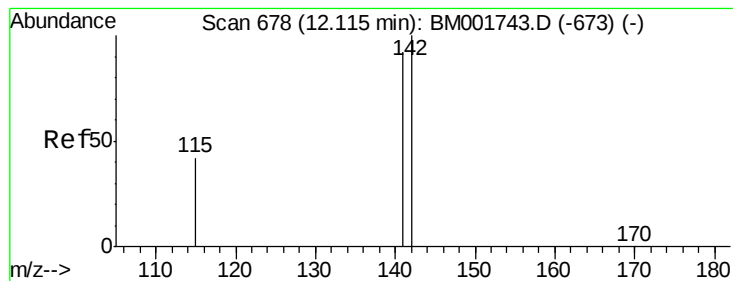
Ion Ratio Lower Upper

128 100

129 11.9 8.7 13.1

127 14.2 11.2 16.8





#11

2-Methylnaphthalene

Concen: 0.41 ng

RT: 12.12 min Scan# 678

Delta R.T. 0.01 min

Lab File: BM001772.D

Acq: 22 Jun 2015 13:21

Instrument :

BNA_M

ClientSampleId :

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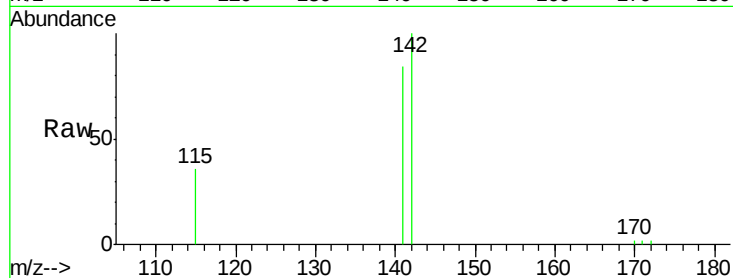
Tgt Ion:142 Resp: 4140

Ion Ratio Lower Upper

142 100

141 83.9 73.6 110.4

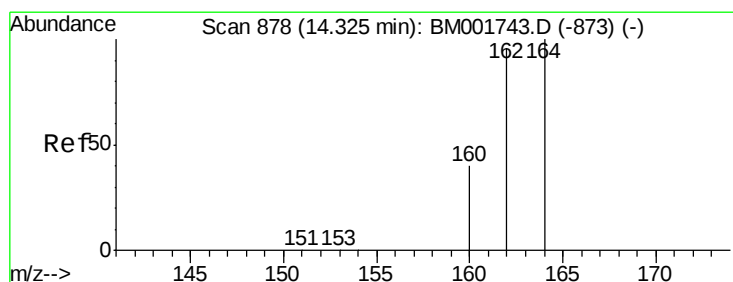
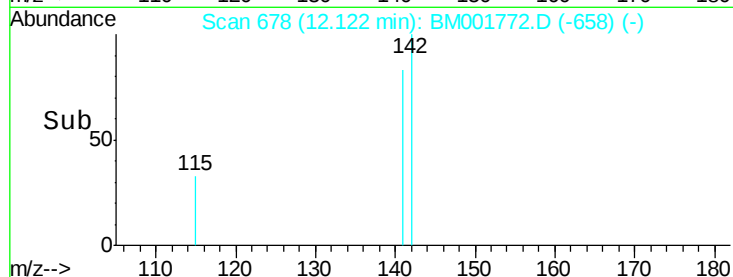
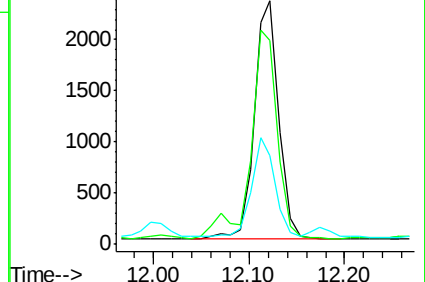
115 36.3 34.1 51.1



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



#12

Acenaphthene-d10

Concen: 5.00 ng

RT: 14.32 min Scan# 877

Delta R.T. -0.01 min

Lab File: BM001772.D

Acq: 22 Jun 2015 13:21

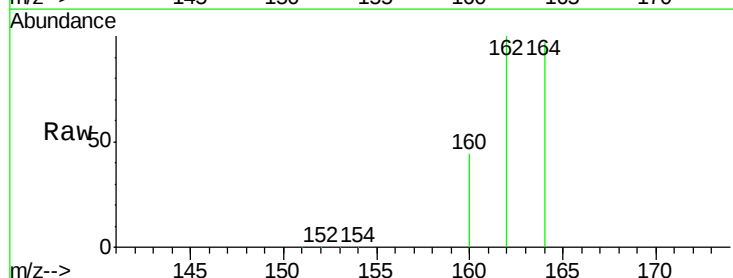
Tgt Ion:164 Resp: 125111

Ion Ratio Lower Upper

164 100

162 102.8 76.6 114.8

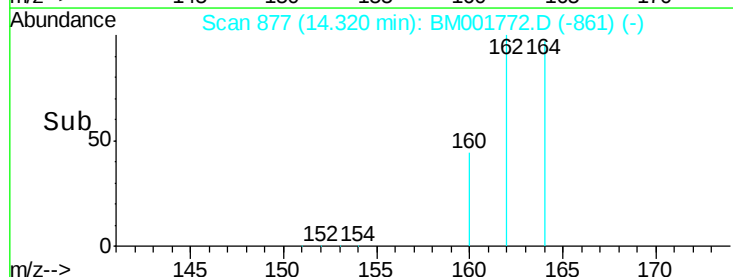
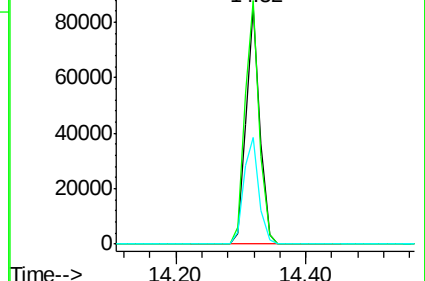
160 44.9 31.8 47.8

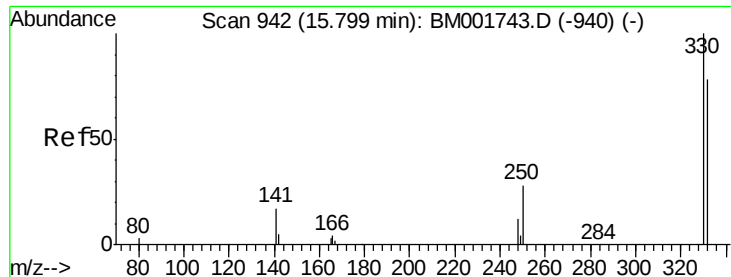


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

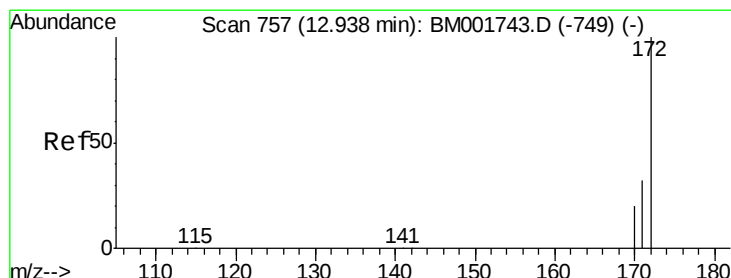
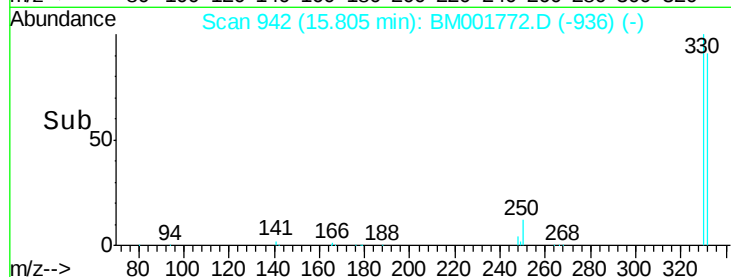
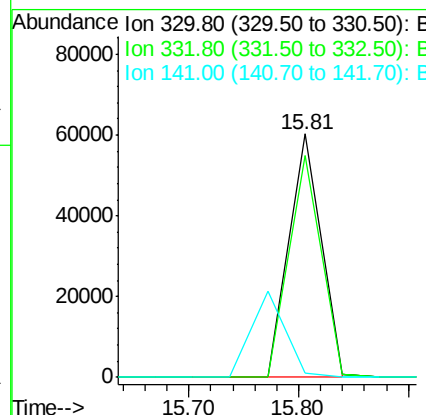
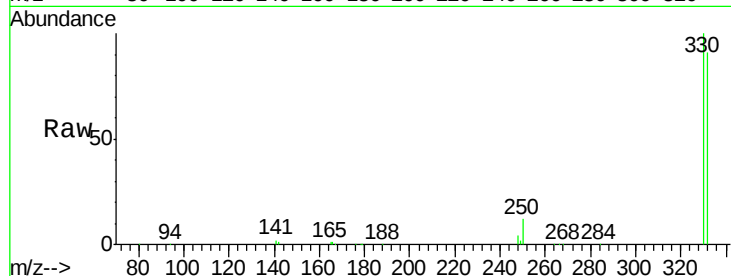




#13
 2,4,6-Tribromophenol
 Concen: 127.05 ng
 RT: 15.81 min Scan# 942
 Delta R.T. 0.01 min
 Lab File: BM001772.D
 Acq: 22 Jun 2015 13:21

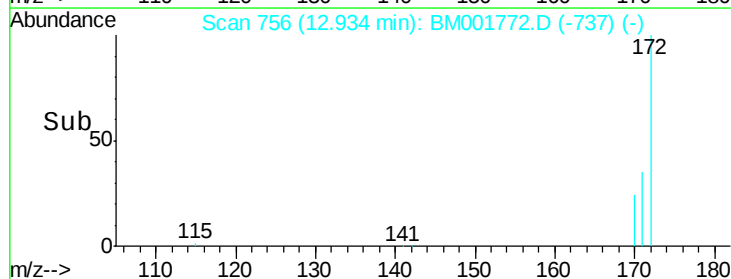
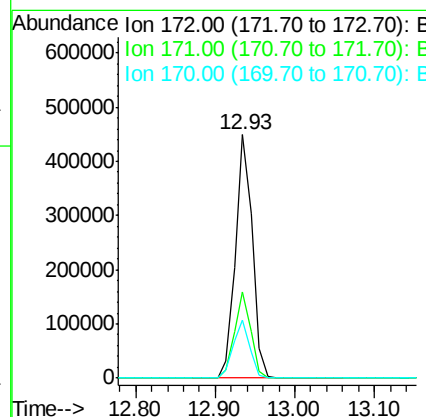
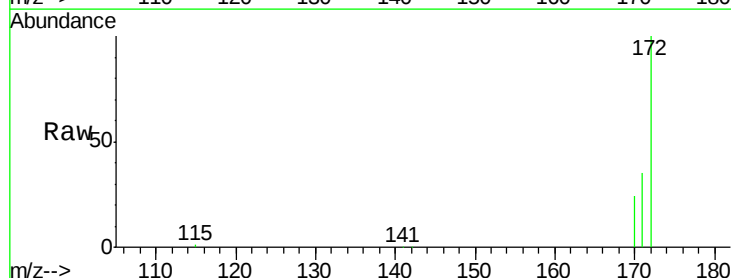
Instrument :
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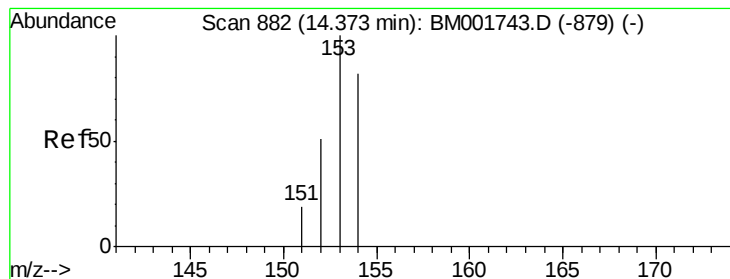
Tgt Ion: 330 Resp: 124099
 Ion Ratio Lower Upper
 330 100
 332 91.4 65.8 98.8
 141 0.0 0.0 0.0



#14
 2-Fluorobiphenyl
 Concen: 58.59 ng
 RT: 12.93 min Scan# 756
 Delta R.T. -0.00 min
 Lab File: BM001772.D
 Acq: 22 Jun 2015 13:21

Tgt Ion: 172 Resp: 654951
 Ion Ratio Lower Upper
 172 100
 171 35.4 26.2 39.2
 170 23.9 16.6 24.8





#16

Acenaphthene

Concen: 0.08 ng

RT: 14.38 min Scan# 882

Delta R.T. 0.01 min

Lab File: BM001772.D

Acq: 22 Jun 2015 13:21

Instrument :

BNA_M

ClientSampleId :

C-3

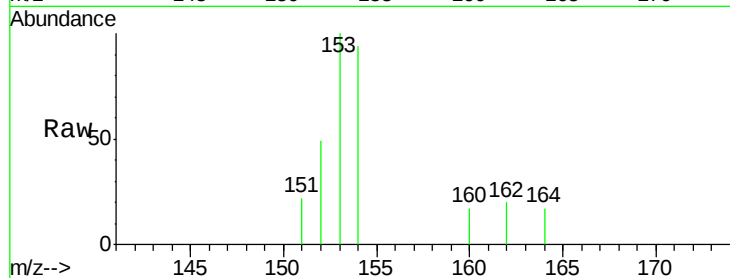
Tgt Ion:154 Resp: 733

Ion Ratio Lower Upper

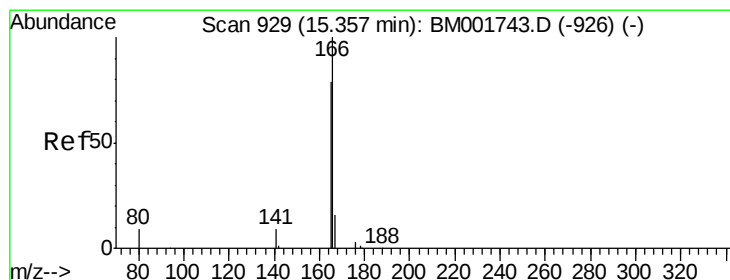
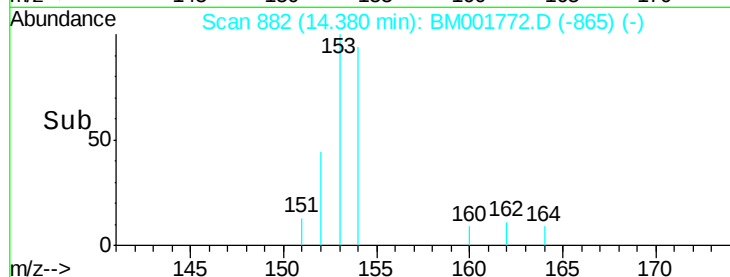
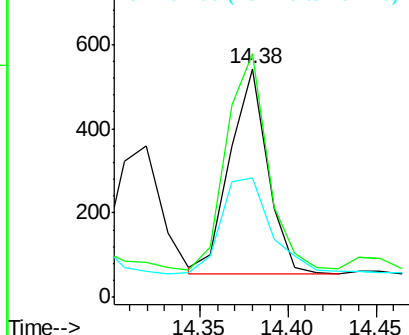
154 100

153 115.0 90.0 135.0

152 65.3 44.2 66.4



Abundance Ion 154.00 (153.70 to 154.70): E
Ion 153.00 (152.70 to 153.70): E
Ion 152.00 (151.70 to 152.70): E



#17

Fluorene

Concen: 0.11 ng

RT: 15.33 min Scan# 928

Delta R.T. -0.03 min

Lab File: BM001772.D

Acq: 22 Jun 2015 13:21

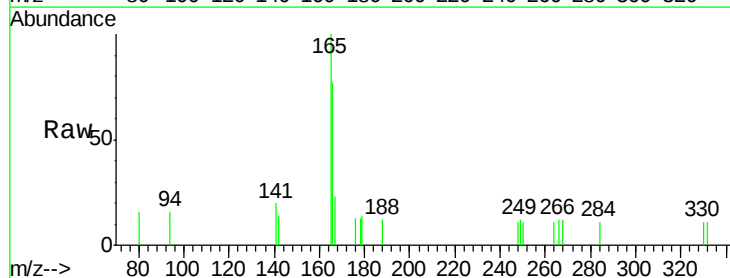
Tgt Ion:166 Resp: 848

Ion Ratio Lower Upper

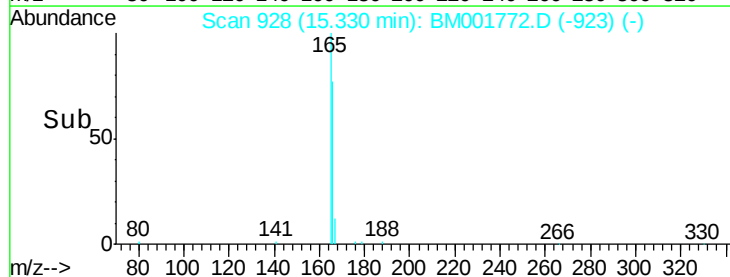
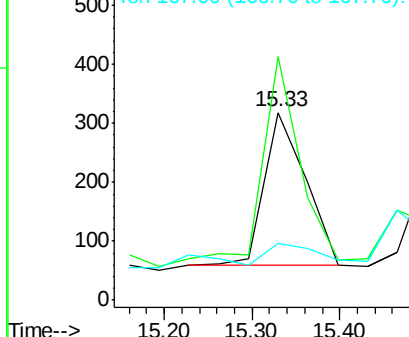
166 100

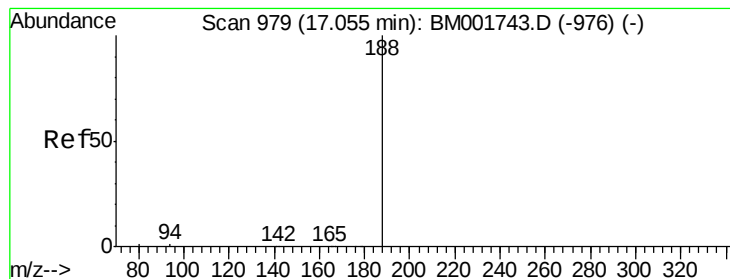
165 112.7 68.2 102.2#

167 9.3 12.2 18.2#



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: 17.06 min Scan# 979

Delta R.T. 0.01 min

Lab File: BM001772.D

Acq: 22 Jun 2015 13:21

Instrument :

BNA_M

ClientSampleId :

C-3

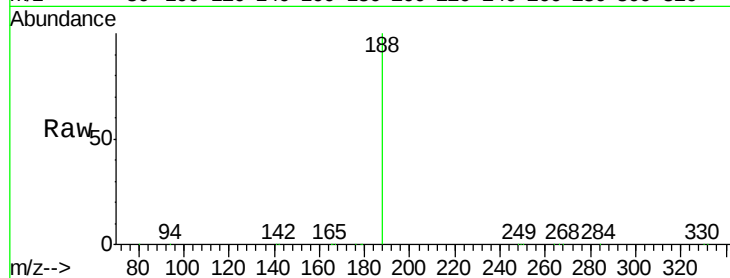
Tgt Ion:188 Resp: 160924

Ion Ratio Lower Upper

188 100

94 0.5 1.3 1.9#

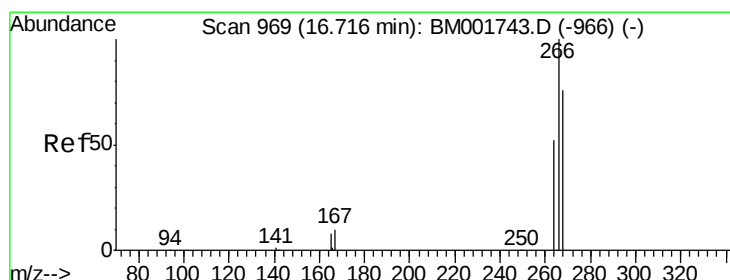
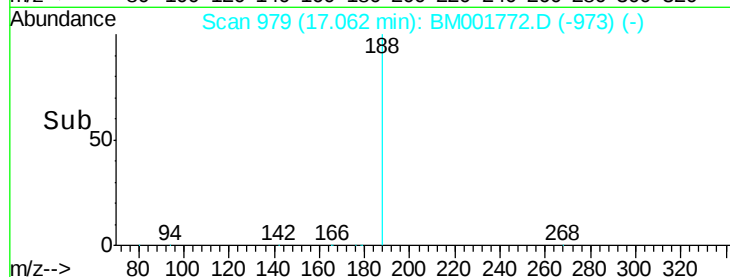
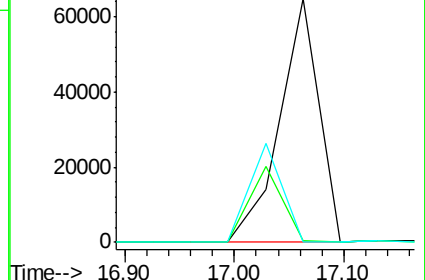
80 0.4 1.0 1.6#



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



#21

Pentachlorophenol

Concen: 0.19 ng

RT: 16.65 min Scan# 967

Delta R.T. -0.06 min

Lab File: BM001772.D

Acq: 22 Jun 2015 13:21

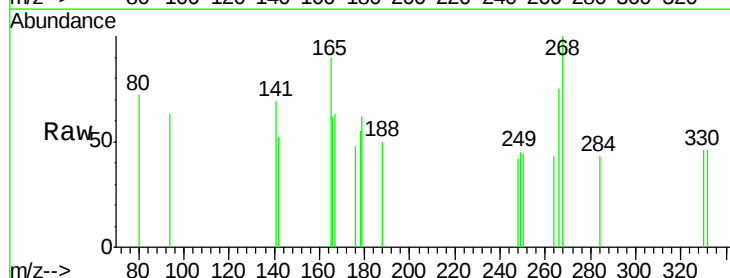
Tgt Ion:266 Resp: 94

Ion Ratio Lower Upper

266 100

268 133.3 63.2 94.8#

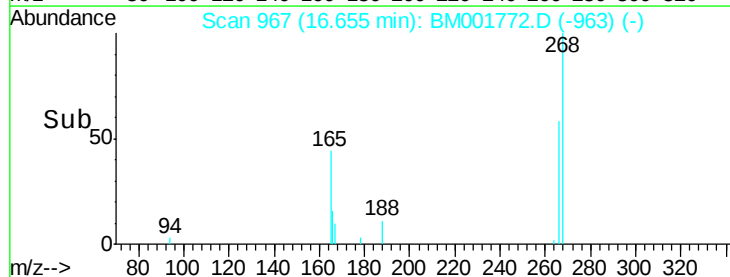
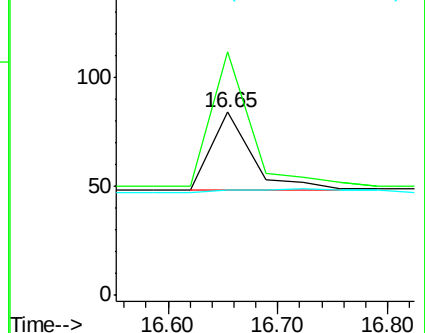
264 57.1 46.2 69.2

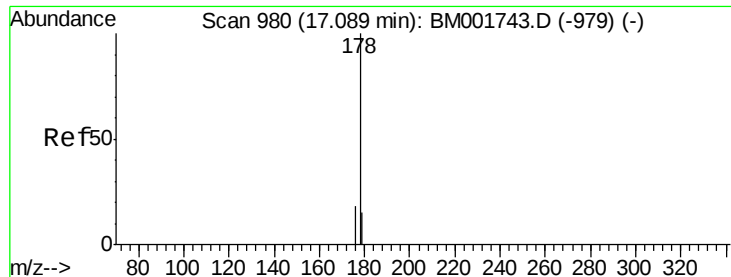


Abundance Ion 265.70 (265.40 to 266.40): E

Ion 268.00 (267.70 to 268.70): E

Ion 264.00 (263.70 to 264.70): E





#22

Phenanthrene

Concen: 0.24 ng

RT: 17.10 min Scan# 980

Delta R.T. 0.01 min

Lab File: BM001772.D

Acq: 22 Jun 2015 13:21

Instrument :

BNA_M

ClientSampleId :

C-3

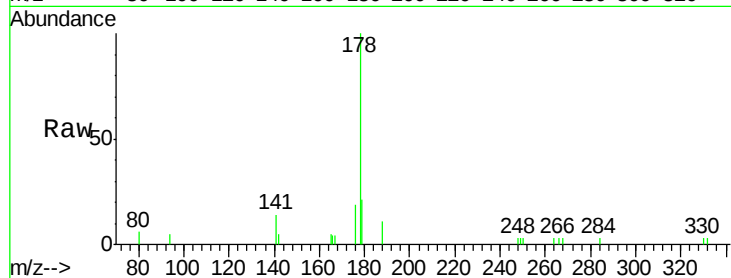
Tgt Ion:178 Resp: 3312

Ion Ratio Lower Upper

178 100

176 16.3 15.4 23.2

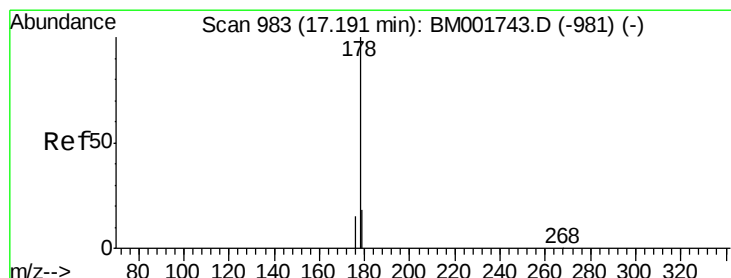
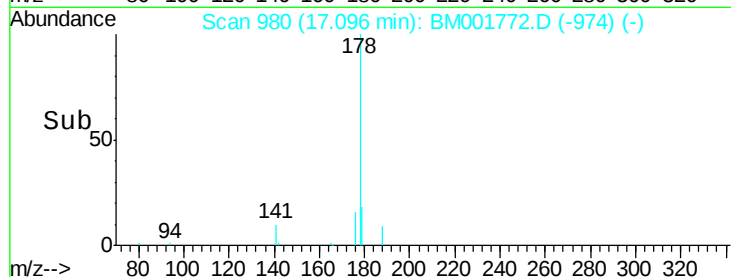
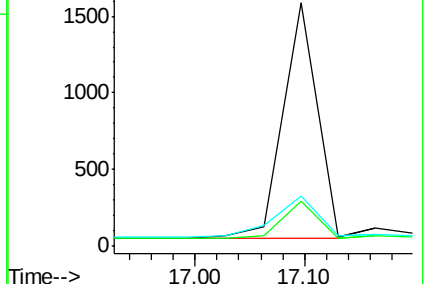
179 22.8 12.6 19.0#



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



#23

Anthracene

Concen: 0.57 ng

RT: 17.10 min Scan# 980

Delta R.T. -0.09 min

Lab File: BM001772.D

Acq: 22 Jun 2015 13:21

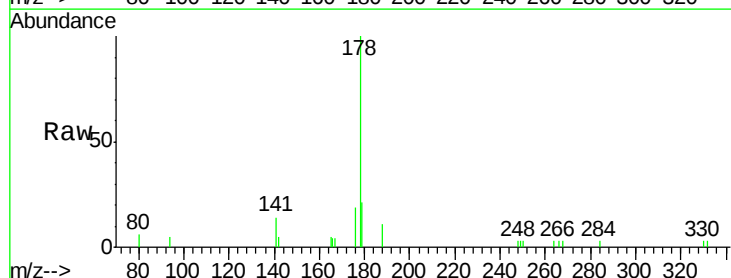
Tgt Ion:178 Resp: 3292

Ion Ratio Lower Upper

178 100

176 16.2 10.0 15.0#

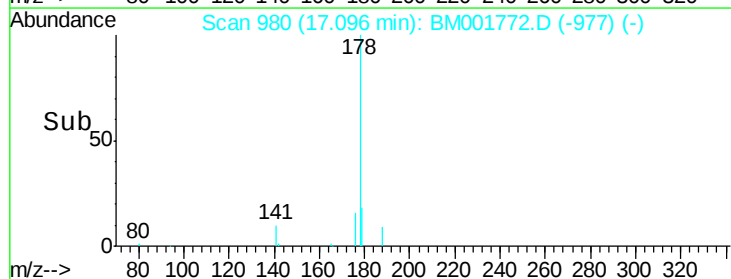
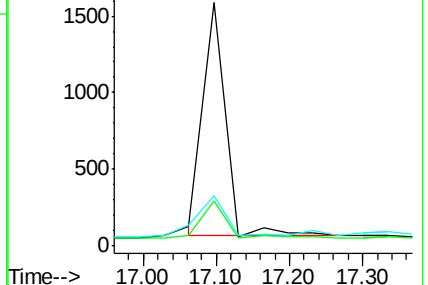
179 16.5 12.3 18.5

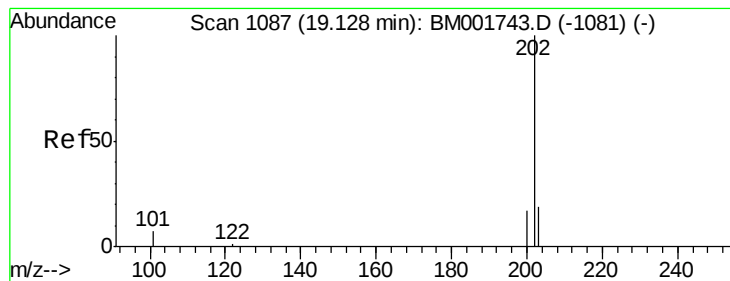


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#24

Fluoranthene

Concen: 0.14 ng

RT: 19.13 min Scan# 1088

Delta R.T. -0.00 min

Lab File: BM001772.D

Acq: 22 Jun 2015 13:21

Instrument :

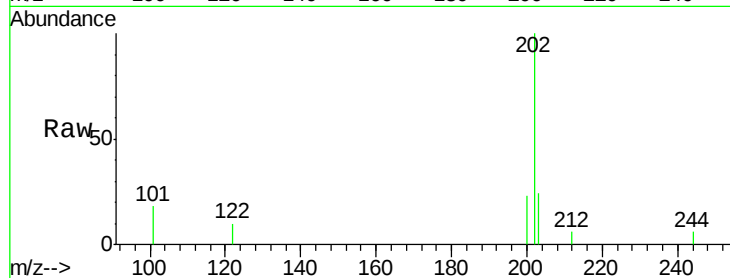
BNA_M

ClientSampleId :

C-3

Tgt Ion: 202 Resp: 1233

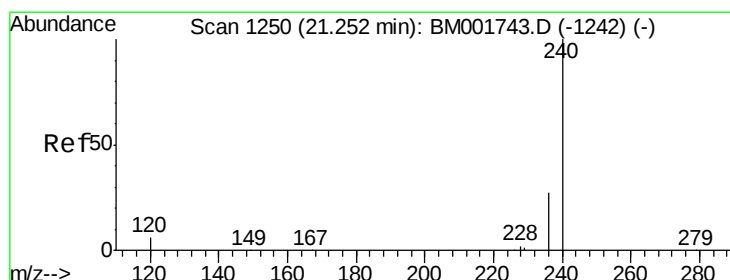
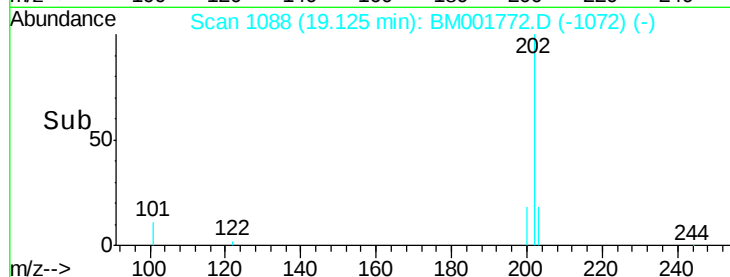
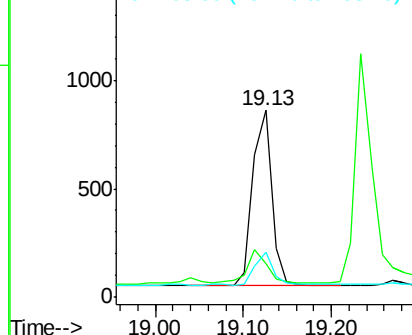
Ion	Ratio	Lower	Upper
202	100		
101	19.3	10.8	16.2#
203	17.6	13.8	20.6



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: 21.25 min Scan# 1251

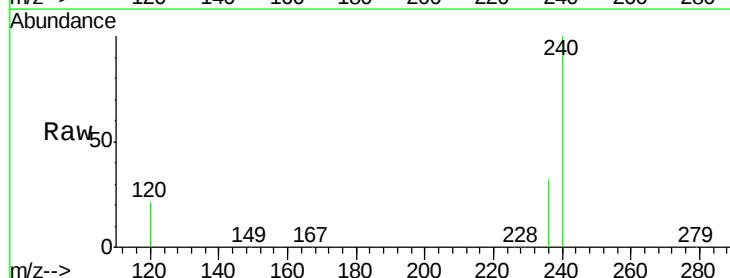
Delta R.T. -0.00 min

Lab File: BM001772.D

Acq: 22 Jun 2015 13:21

Tgt Ion: 240 Resp: 201761

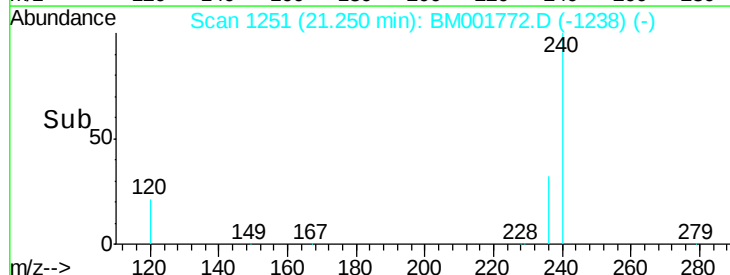
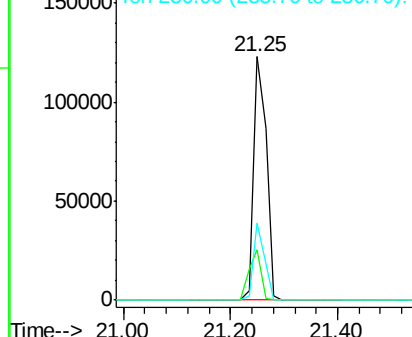
Ion	Ratio	Lower	Upper
240	100		
120	20.6	4.7	7.1#
236	31.8	21.6	32.4

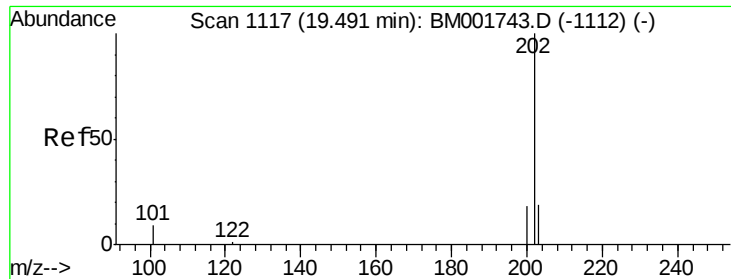


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

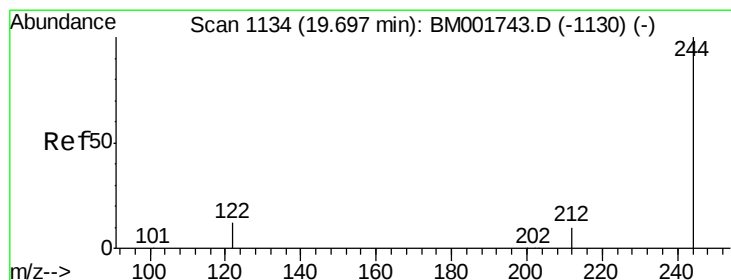
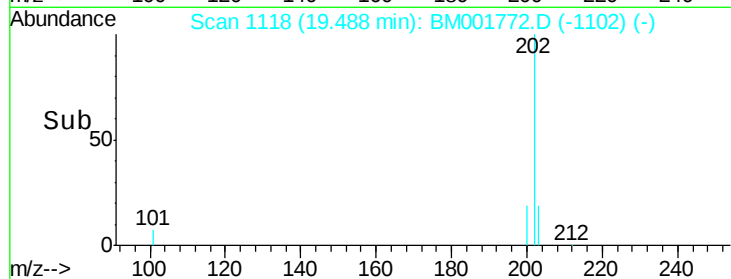
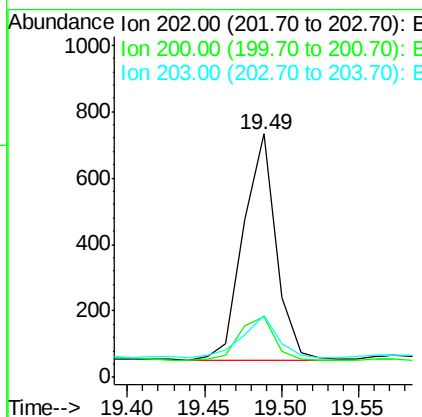
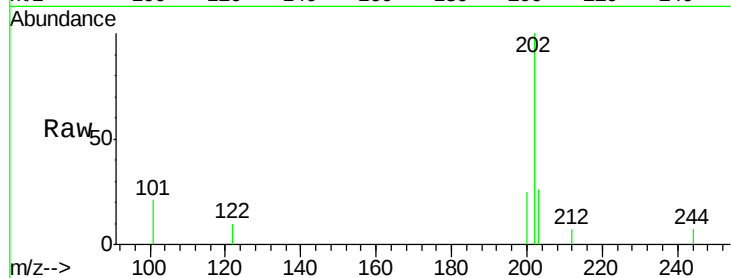




#26
 Pyrene
 Concen: 0.06 ng
 RT: 19.49 min Scan# 1118
 Delta R.T. -0.00 min
 Lab File: BM001772.D
 Acq: 22 Jun 2015 13:21

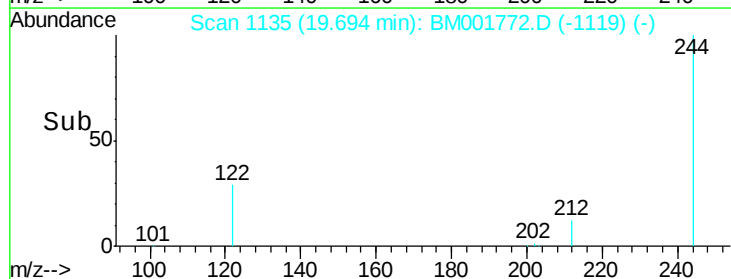
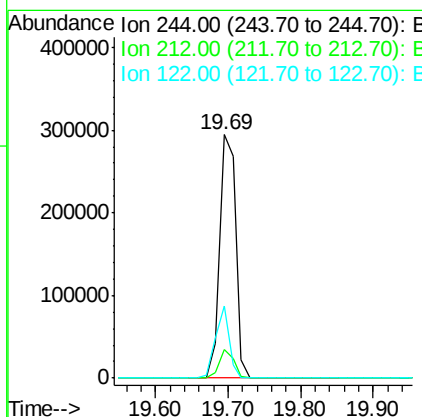
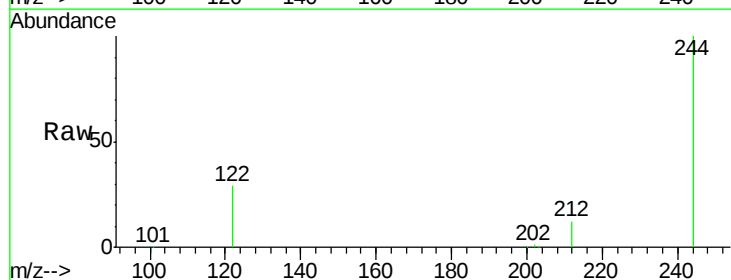
Instrument :
 BNA_M
 ClientSampleId :
 C-3

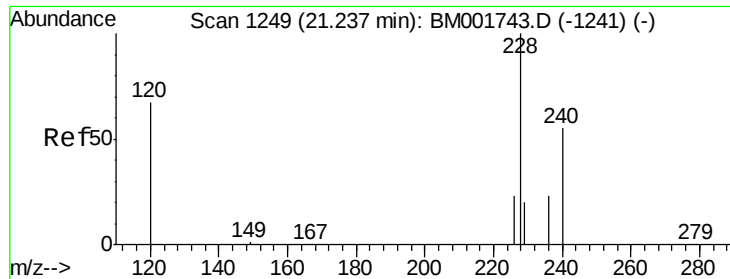
Tgt Ion: 202 Resp: 997
 Ion Ratio Lower Upper
 202 100
 200 20.5 16.6 24.8
 203 20.7 13.9 20.9



#27
 Terphenyl-d14
 Concen: 61.66 ng
 RT: 19.69 min Scan# 1135
 Delta R.T. -0.00 min
 Lab File: BM001772.D
 Acq: 22 Jun 2015 13:21

Tgt Ion: 244 Resp: 458295
 Ion Ratio Lower Upper
 244 100
 212 11.6 8.6 13.0
 122 29.4 10.6 15.8#





#28

Benzo(a)anthracene

Concen: 0.07 ng

RT: 21.25 min Scan# 1251

Delta R.T. 0.01 min

Lab File: BM001772.D

Acq: 22 Jun 2015 13:21

Instrument :

BNA_M

ClientSampleId :

C-3

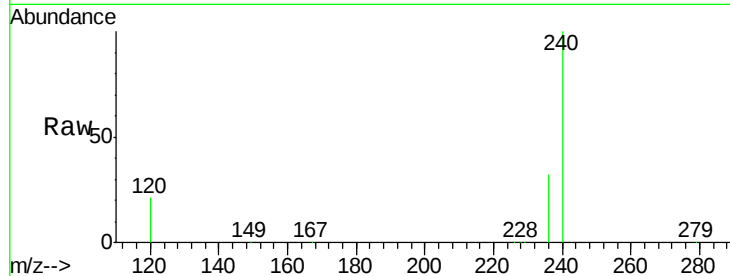
Tgt Ion:228 Resp: 1018

Ion Ratio Lower Upper

228 100

226 17.3 18.9 28.3#

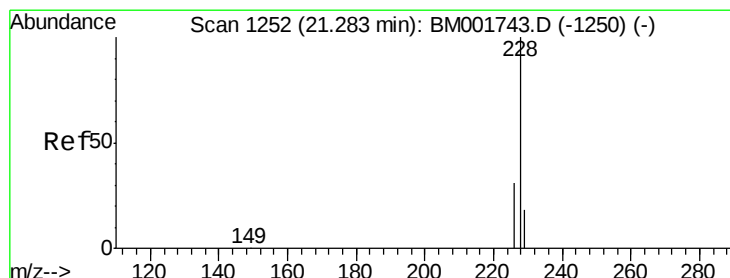
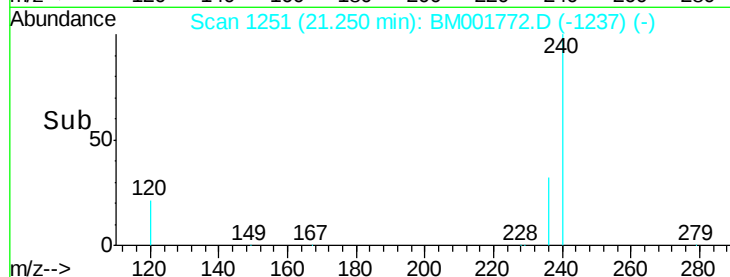
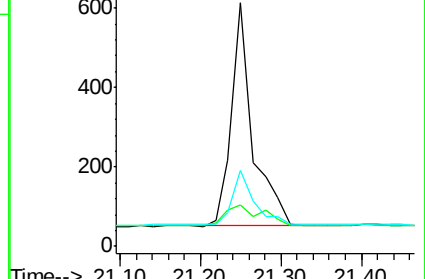
229 31.3 16.6 25.0#



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: 0.06 ng

RT: 21.25 min Scan# 1251

Delta R.T. -0.03 min

Lab File: BM001772.D

Acq: 22 Jun 2015 13:21

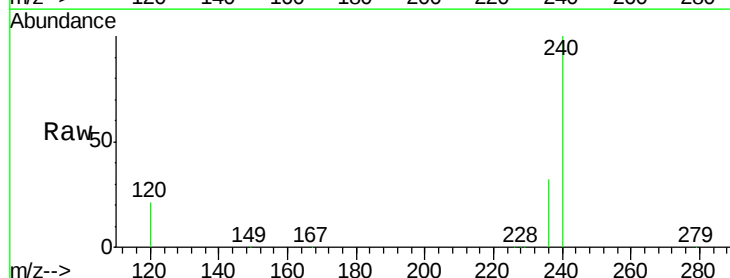
Tgt Ion:228 Resp: 1018

Ion Ratio Lower Upper

228 100

226 17.3 24.3 36.5#

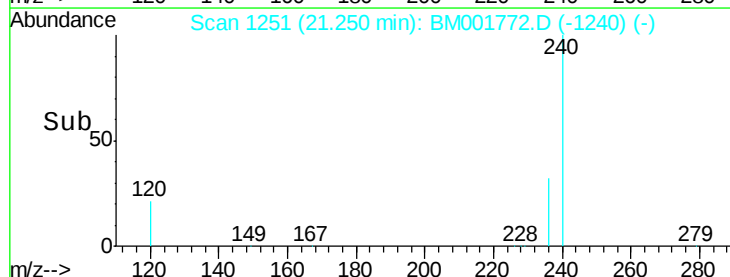
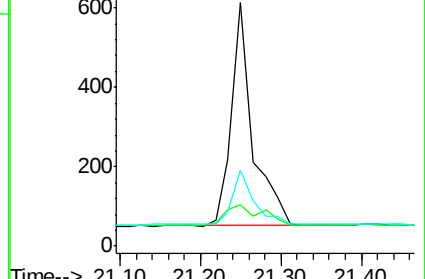
229 31.3 15.0 22.6#

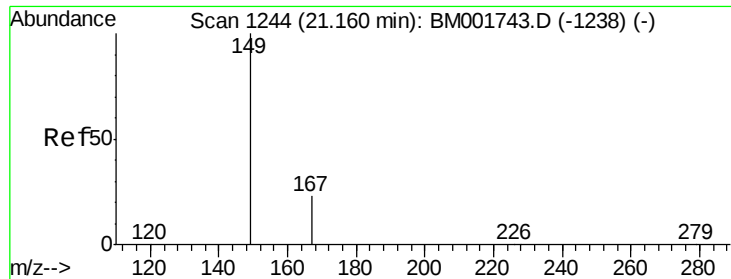


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#30

Bis(2-ethylhexyl)phthalate

Concen: 0.34 ng

RT: 21.16 min Scan# 1245

Delta R.T. -0.00 min

Lab File: BM001772.D

Acq: 22 Jun 2015 13:21

Instrument :

BNA_M

ClientSampled :

C-3

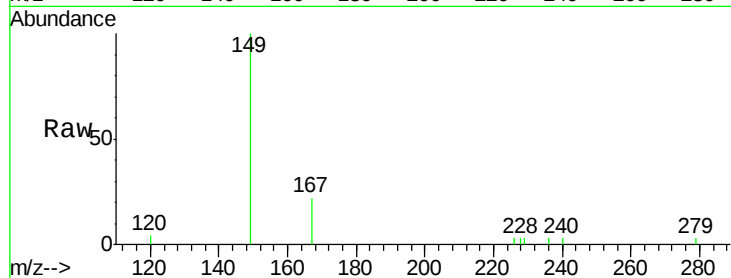
Tgt Ion:149 Resp: 3024

Ion Ratio Lower Upper

149 100

167 24.5 19.7 29.5

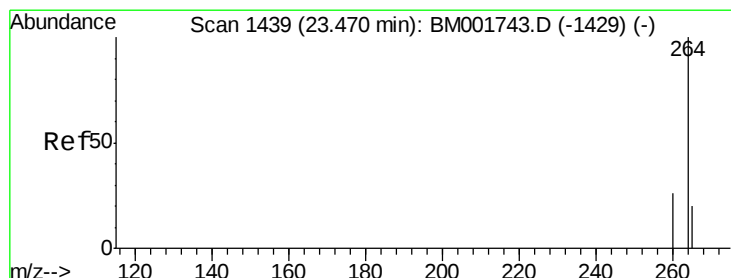
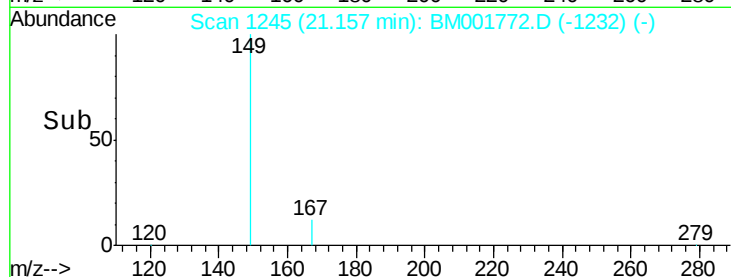
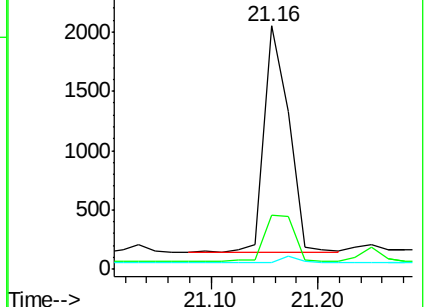
279 2.3 1.6 2.4



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



#32

Perylene-d12

Concen: 5.00 ng

RT: 23.48 min Scan# 1441

Delta R.T. 0.01 min

Lab File: BM001772.D

Acq: 22 Jun 2015 13:21

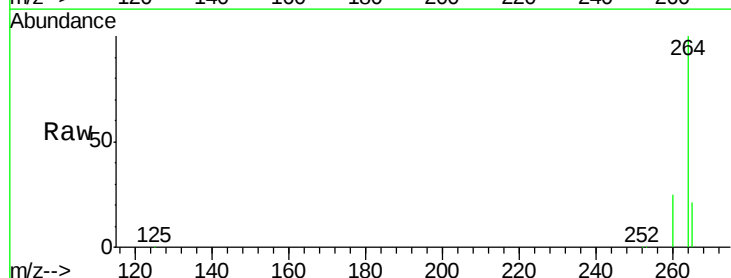
Tgt Ion:264 Resp: 189304

Ion Ratio Lower Upper

264 100

260 25.3 20.8 31.2

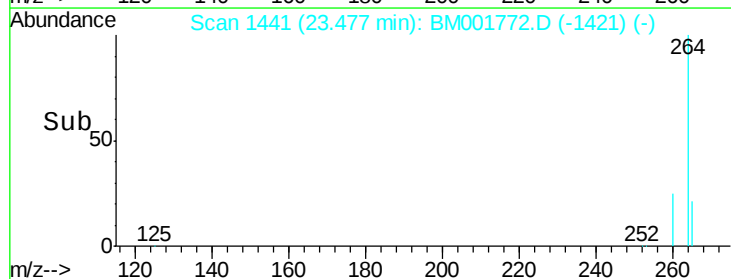
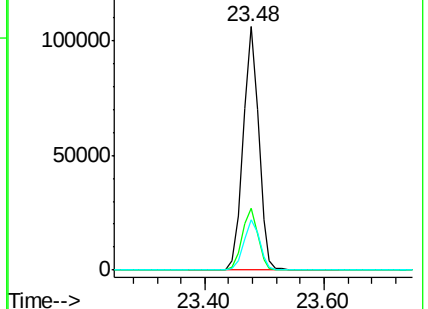
265 20.8 16.8 25.2

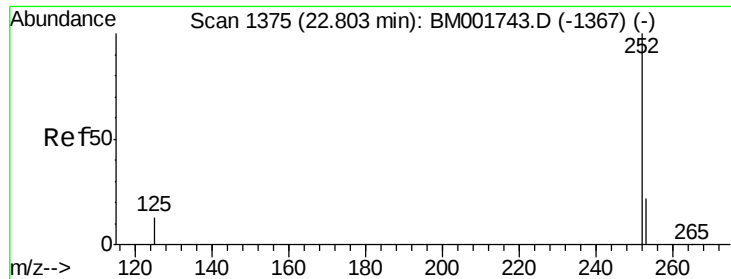


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E





#33

Benzo(b)fluoranthene

Concen: 0.02 ng

RT: 22.80 min Scan# 1376

Delta R.T. -0.00 min

Lab File: BM001772.D

Acq: 22 Jun 2015 13:21

Instrument :

BNA_M

ClientSampled :

C-3

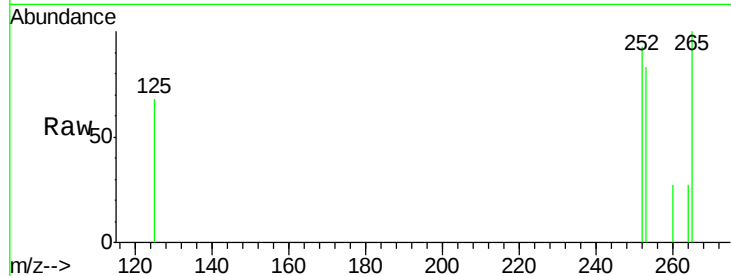
Tgt Ion: 252 Resp: 343

Ion Ratio Lower Upper

252 100

253 88.5 19.0 28.4#

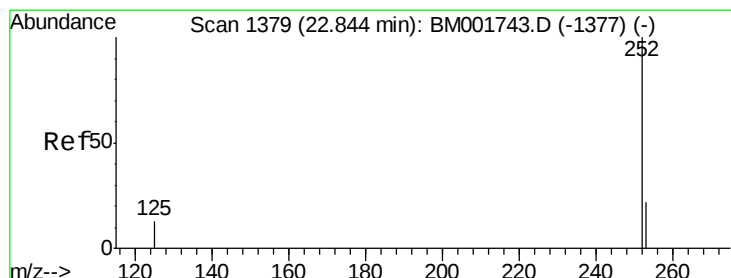
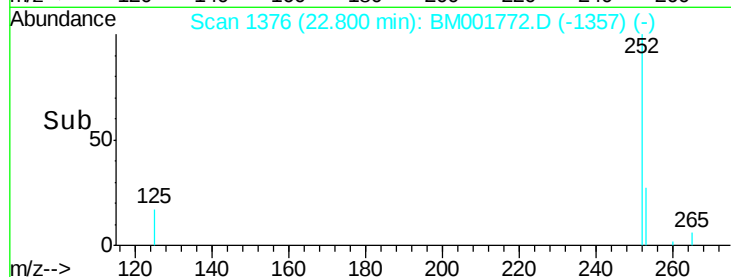
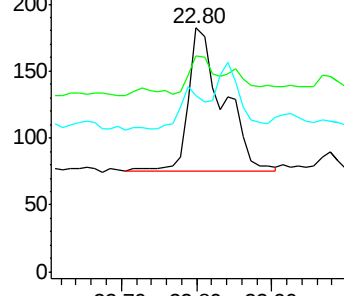
125 72.5 11.3 16.9#



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



#34

Benzo(k)fluoranthene

Concen: 0.03 ng

RT: 22.80 min Scan# 1376

Delta R.T. -0.04 min

Lab File: BM001772.D

Acq: 22 Jun 2015 13:21

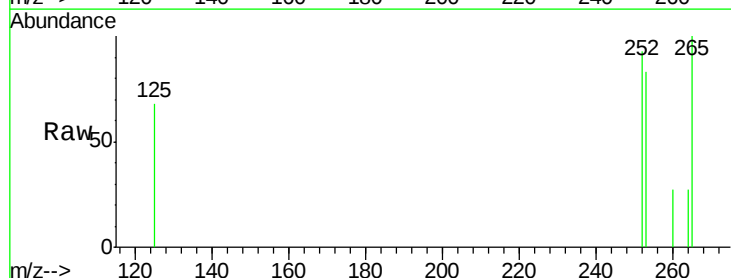
Tgt Ion: 252 Resp: 350

Ion Ratio Lower Upper

252 100

253 88.5 18.2 27.4#

125 72.5 11.8 17.6#



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

