

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM062215\
 Data File : BM001773.D
 Acq On : 22 Jun 2015 13:57
 Operator : TP/IZ
 Sample : G2474-05
 Misc : 4 TIME INT STD
 ALS Vial : 5 Sample Multiplier: 4

Instrument :
 BNA_M
 ClientSampleId :
 C-5

Quant Time: Jun 23 04:20:51 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	64436	5.00	ng	0.00
6) Naphthalene-d8	10.46	136	233279	5.00	ng	0.00
12) Acenaphthene-d10	14.32	164	114553	5.00	ng	0.00
18) Phenanthrene-d10	17.06	188	156088	5.00	ng	0.00
25) Chrysene-d12	21.25	240	196984	5.00	ng	0.00
32) Perylene-d12	23.48	264	183613	5.00	ng	0.00

System Monitoring Compounds						
4) 2-Fluorophenol	5.25	112	153579	40.78	ng	0.00
5) Phenol-d6	6.83	99	128110	26.42	ng	0.00
7) Nitrobenzene-d5	8.83	82	347396	76.34	ng	0.00
13) 2,4,6-Tribromophenol	15.81	330	144800	161.91	ng	0.00
14) 2-Fluorobiphenyl	12.93	172	628591	61.42	ng	0.00
27) Terphenyl-d14	19.69	244	446024	61.46	ng	0.00

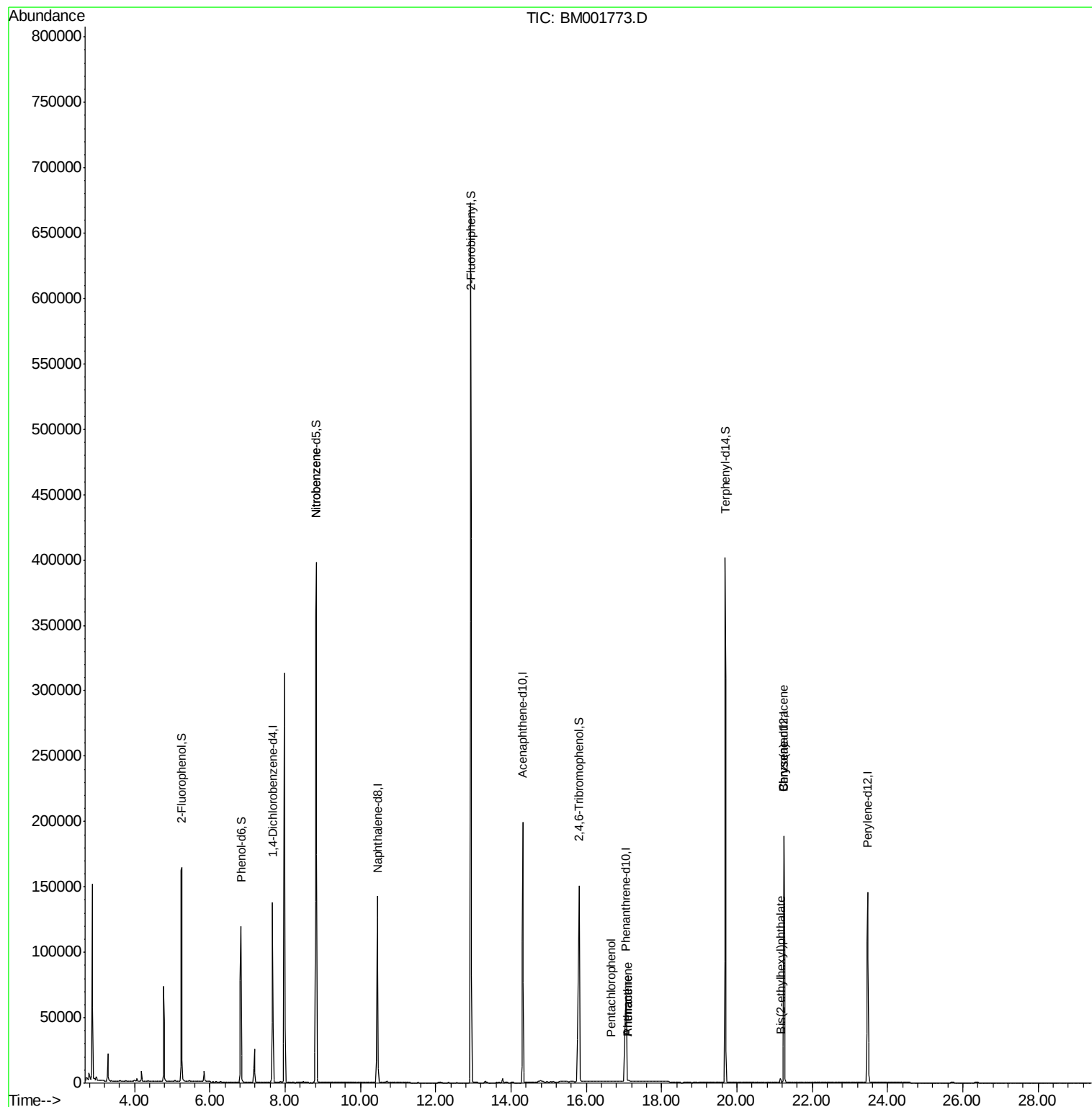
Target Compounds						Qvalue
2) 1,4-Dioxane	3.18	88	80	0.04	ng	# 16
8) Nitrobenzene	8.83	77	1207	0.25	ng	# 40
9) Naphthalene	10.49	128	491	0.03	ng	# 62
11) 2-Methylnaphthalene	12.12	142	207	0.02	ng	# 90
17) Fluorene	15.33	166	171	0.02	ng	# 70
21) Pentachlorophenol	16.65	266	55	0.11	ng	# 63
22) Phenanthrene	17.10	178	1325	0.10	ng	# 83
23) Anthracene	17.10	178	1337	0.24	ng	# 75
24) Fluoranthene	19.12	202	604	0.07	ng	# 88
26) Pyrene	19.49	202	582	0.03	ng	# 98
28) Benzo(a)anthracene	21.25	228	1271	0.09	ng	# 82
29) Chrysene	21.25	228	1271	0.08	ng	# 74
30) Bis(2-ethylhexyl)phthalate	21.16	149	3253	0.38	ng	# 99
33) Benzo(b)fluoranthene	22.80	252	363	0.02	ng	# 13
37) Benzo(g,h,i)perylene	26.40	276	293	0.02	ng	# 40

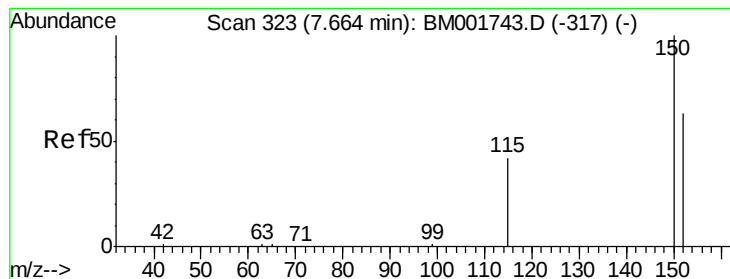
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: BM001773.D

Acq: 22 Jun 2015 13:57

Instrument :

BNA_M

ClientSampleId :

C-5

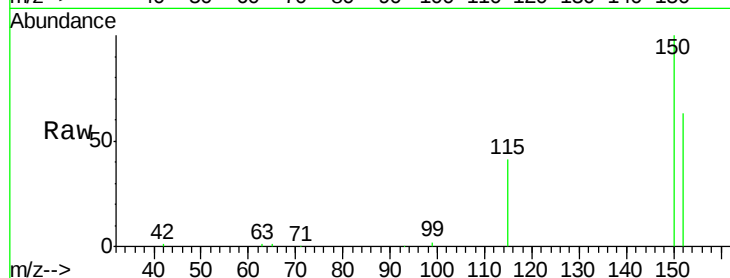
Tgt Ion:152 Resp: 64436

Ion Ratio Lower Upper

152 100

150 158.0 127.5 191.3

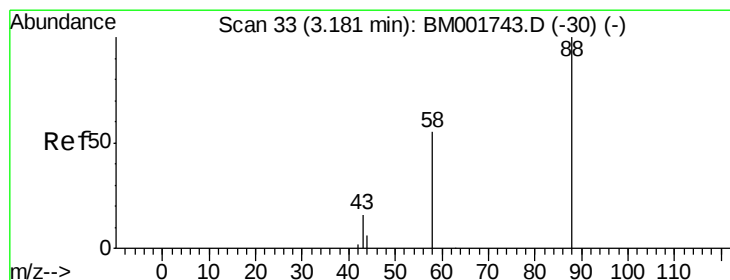
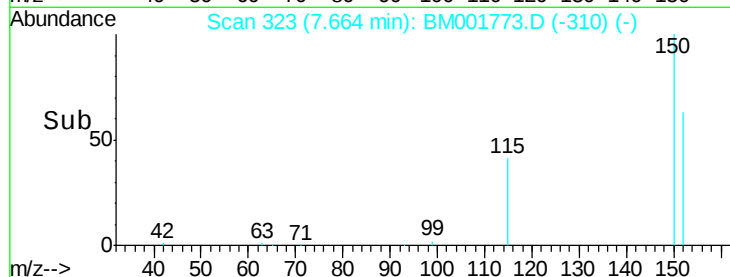
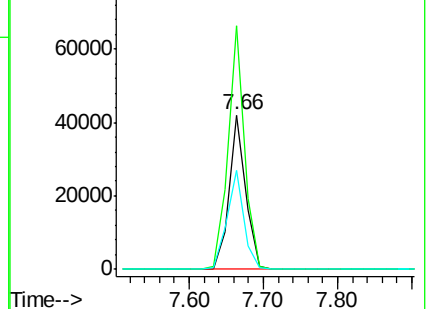
115 64.3 53.2 79.8



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: 0.04 ng

RT: 3.18 min Scan# 33

Delta R.T. 0.00 min

Lab File: BM001773.D

Acq: 22 Jun 2015 13:57

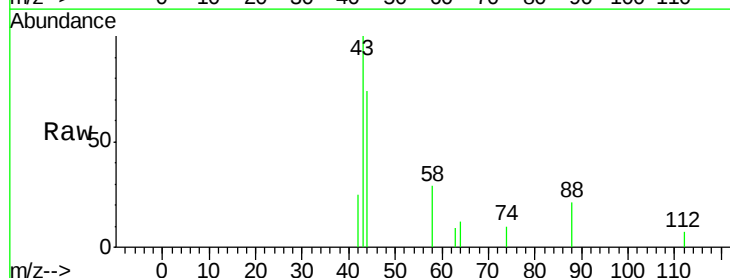
Tgt Ion: 88 Resp: 80

Ion Ratio Lower Upper

88 100

58 0.0 68.3 102.5#

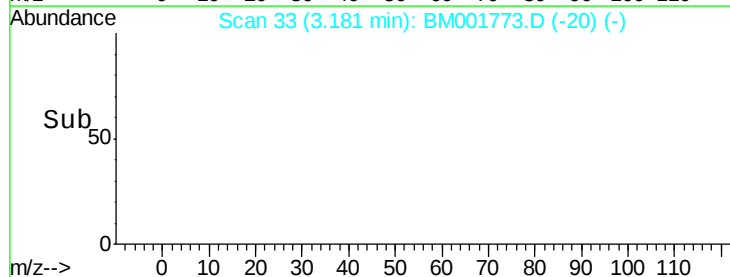
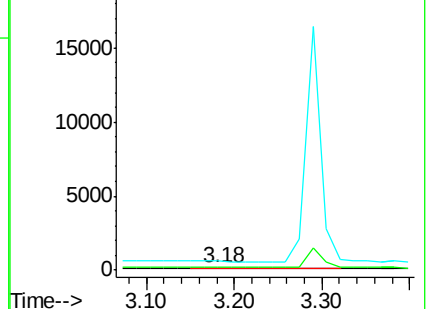
43 0.0 32.6 48.8#

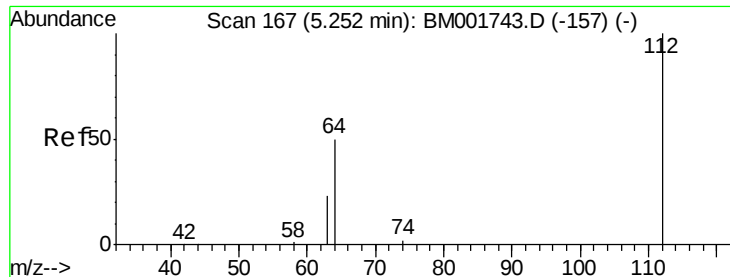


Abundance Ion 88.00 (87.70 to 88.70): BM0

Ion 58.00 (57.70 to 58.70): BM0

Ion 43.00 (42.70 to 43.70): BM0





#4

2-Fluorophenol

Concen: 40.78 ng

RT: 5.25 min Scan# 167

Delta R.T. -0.00 min

Lab File: BM001773.D

Acq: 22 Jun 2015 13:57

Instrument :

BNA_M

ClientSampleId :

C-5

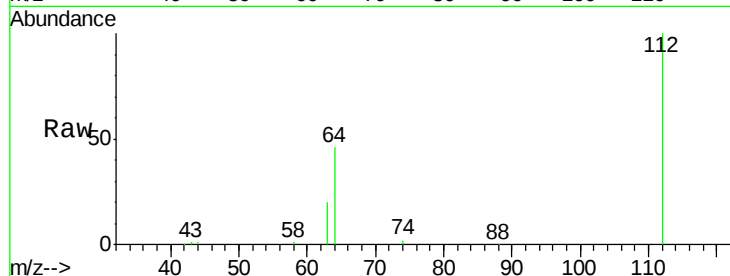
Tgt Ion: 112 Resp: 153579

Ion Ratio Lower Upper

112 100

64 70.1 55.6 83.4

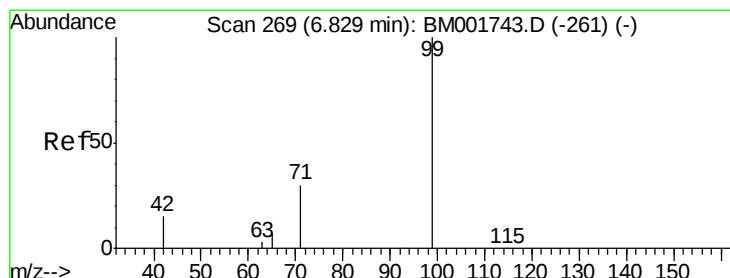
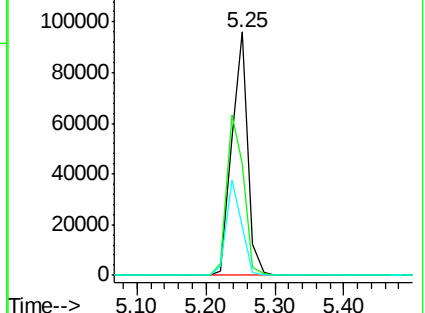
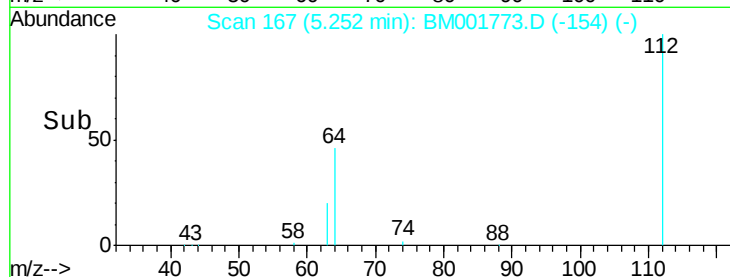
63 37.9 30.2 45.2



Abundance Ion 112.00 (111.70 to 112.70): B

Ion 64.00 (63.70 to 64.70): BM

Ion 63.00 (62.70 to 63.70): BM



#5

Phenol-d6

Concen: 26.42 ng

RT: 6.83 min Scan# 269

Delta R.T. -0.00 min

Lab File: BM001773.D

Acq: 22 Jun 2015 13:57

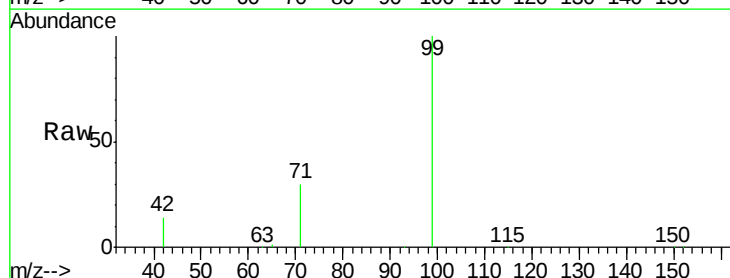
Tgt Ion: 99 Resp: 128110

Ion Ratio Lower Upper

99 100

42 24.9 21.4 32.0

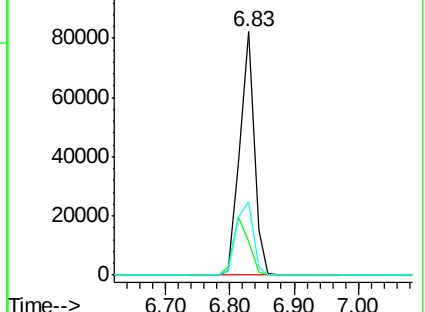
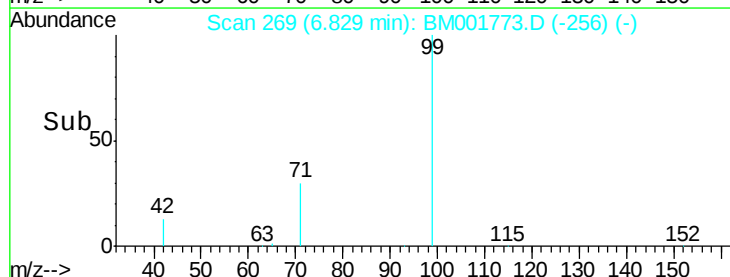
71 35.6 28.3 42.5

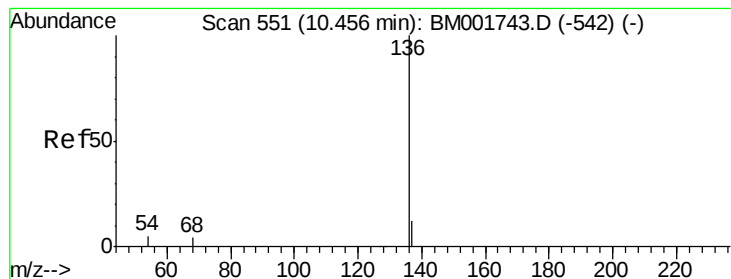


Abundance Ion 99.00 (98.70 to 99.70): BM

Ion 42.00 (41.70 to 42.70): BM

Ion 71.00 (70.70 to 71.70): BM





#6

Naphthalene-d8

Concen: 5.00 ng

RT: 10.46 min Scan# 551

Delta R.T. -0.00 min

Lab File: BM001773.D

Acq: 22 Jun 2015 13:57

Instrument :

BNA_M

ClientSampleId :

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Tgt Ion:136 Resp: 233279

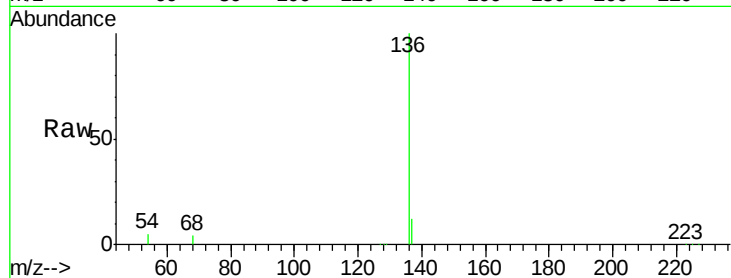
Ion Ratio Lower Upper

136 100

137 11.8 9.4 14.0

54 5.1 4.4 6.6

68 3.7 3.1 4.7

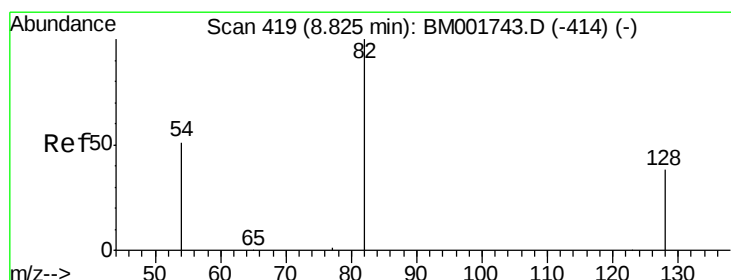
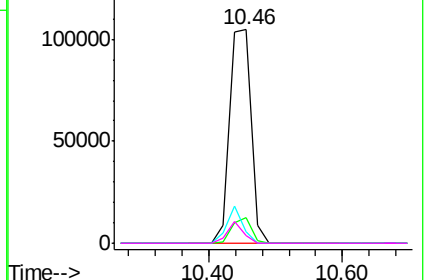
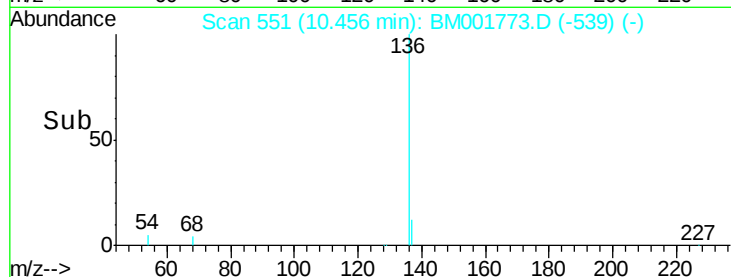


Abundance Ion 136.00 (135.70 to 136.70): E

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: 76.34 ng

RT: 8.83 min Scan# 419

Delta R.T. -0.00 min

Lab File: BM001773.D

Acq: 22 Jun 2015 13:57

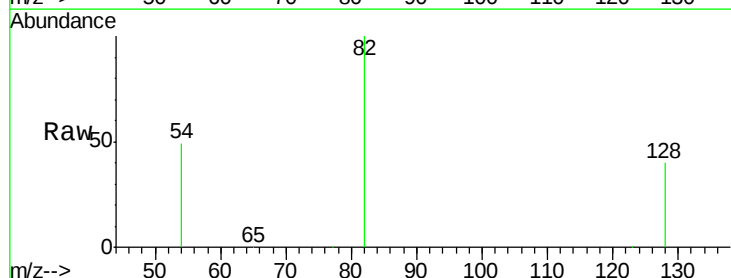
Tgt Ion: 82 Resp: 347396

Ion Ratio Lower Upper

82 100

128 39.8 31.3 46.9

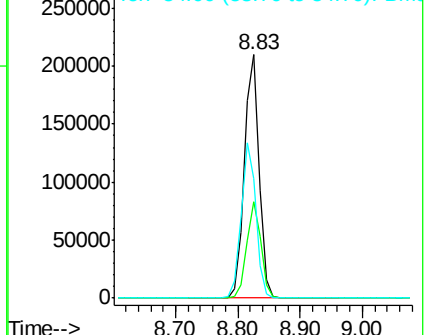
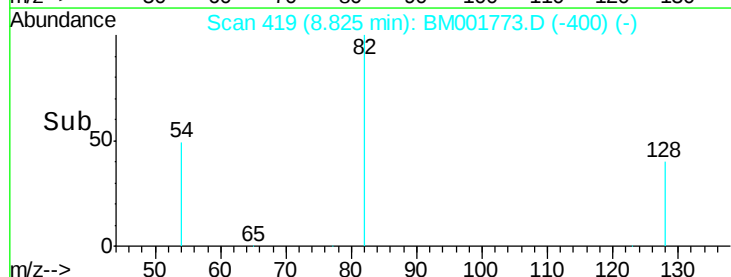
54 49.2 41.9 62.9

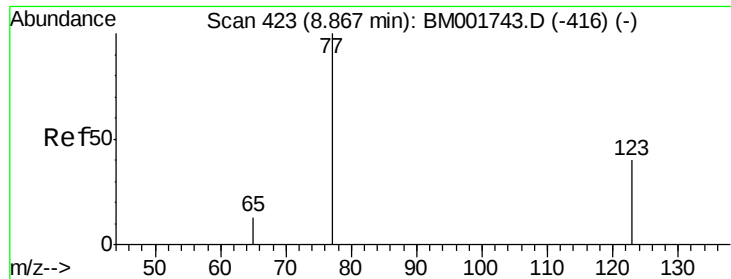


Abundance Ion 82.00 (81.70 to 82.70): BM

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: BM001773.D

Acq: 22 Jun 2015 13:57

Instrument :

BNA_M

ClientSampleId :

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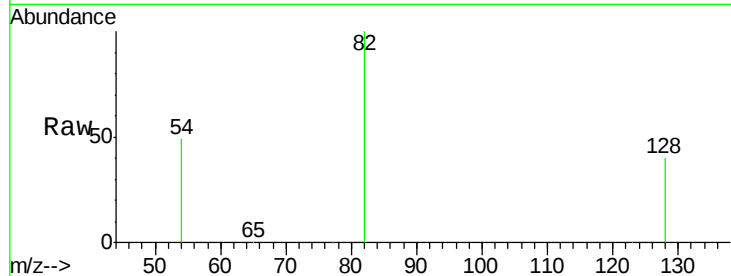
Tgt Ion: 77 Resp: 1207

Ion Ratio Lower Upper

77 100

123 0.0 30.1 45.1#

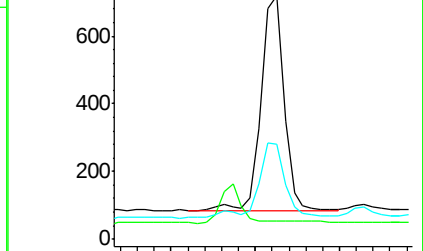
65 36.0 11.3 16.9#



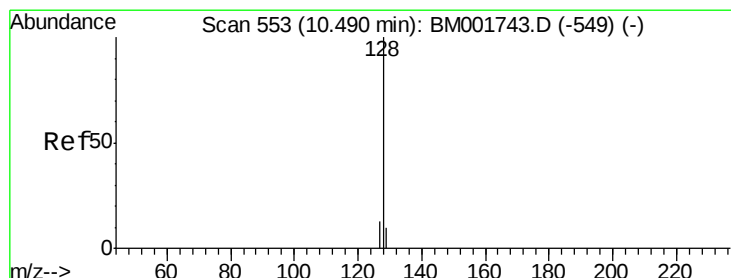
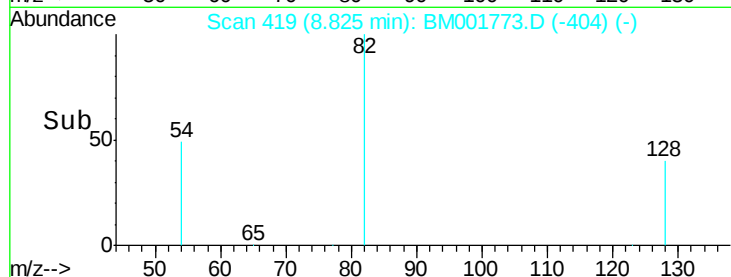
Abundance Ion 77.00 (76.70 to 77.70): BM001773.D (-416) (-)

Ion 123.00 (122.70 to 123.70): BM001773.D (-416) (-)

Ion 65.00 (64.70 to 65.70): BM001773.D (-416) (-)



Time-->



#9

Naphthalene

Concen: 0.03 ng

RT: 10.49 min Scan# 553

Delta R.T. -0.00 min

Lab File: BM001773.D

Acq: 22 Jun 2015 13:57

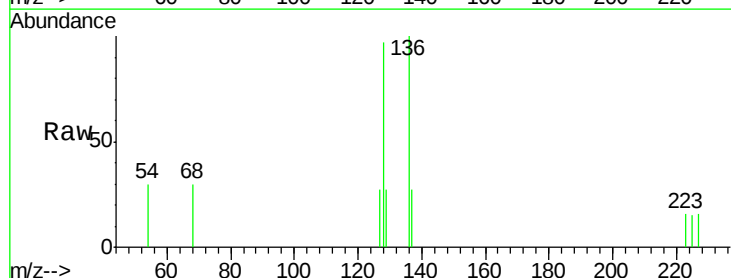
Tgt Ion: 128 Resp: 491

Ion Ratio Lower Upper

128 100

129 27.8 8.7 13.1#

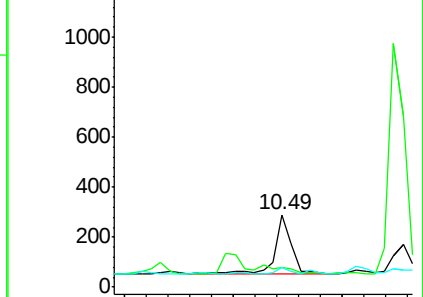
127 27.5 11.2 16.8#



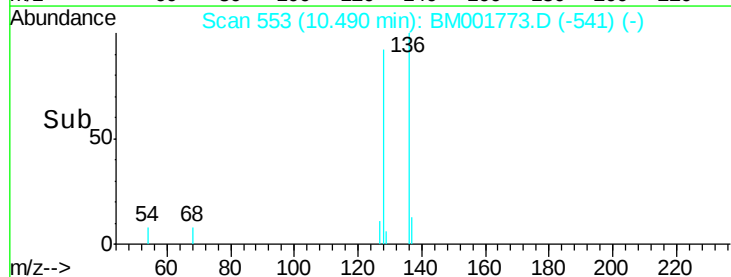
Abundance Ion 128.00 (127.70 to 128.70): BM001773.D (-541) (-)

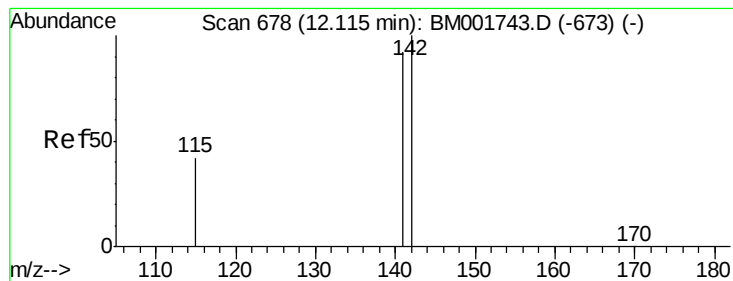
Ion 129.00 (128.70 to 129.70): BM001773.D (-541) (-)

Ion 127.00 (126.70 to 127.70): BM001773.D (-541) (-)



Time-->





#11

2-Methylnaphthalene

Concen: 0.02 ng

RT: 12.12 min Scan# 678

Delta R.T. 0.01 min

Lab File: BM001773.D

Acq: 22 Jun 2015 13:57

Instrument :

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ClientSampleId :

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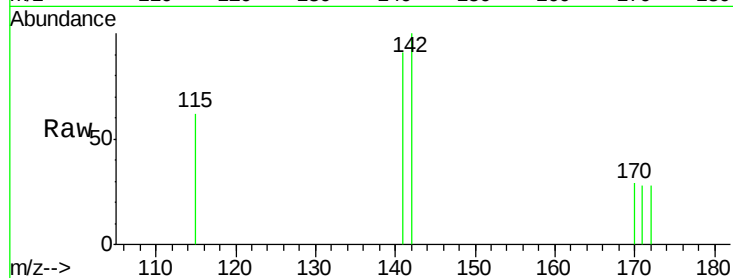
Tgt Ion:142 Resp: 207

Ion Ratio Lower Upper

142 100

141 90.5 73.6 110.4

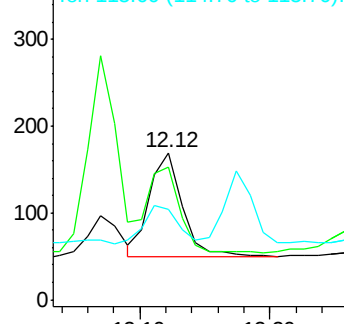
115 61.5 34.1 51.1#



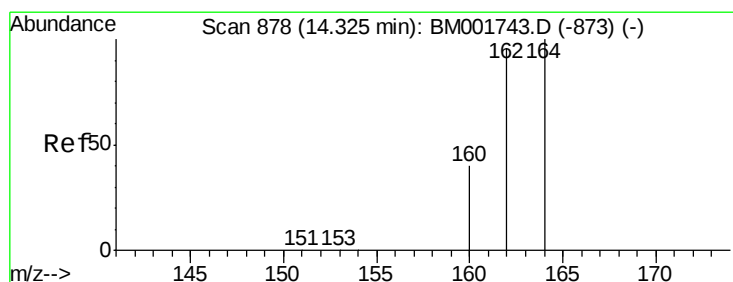
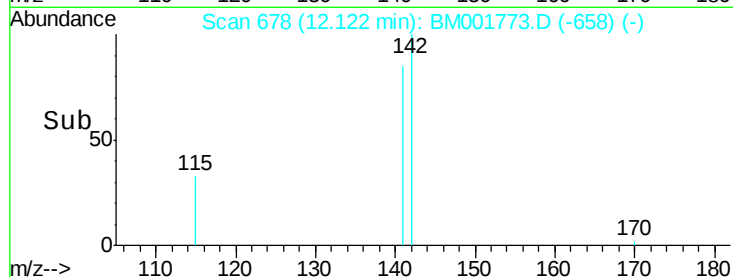
Abundance Ion 142.00 (141.70 to 142.70): E

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# 877

Delta R.T. -0.01 min

Lab File: BM001773.D

Acq: 22 Jun 2015 13:57

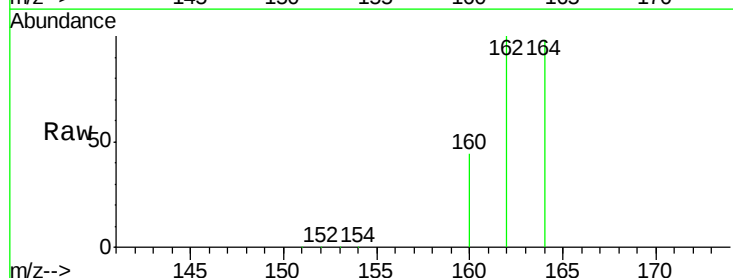
Tgt Ion:164 Resp: 114553

Ion Ratio Lower Upper

164 100

162 102.4 76.6 114.8

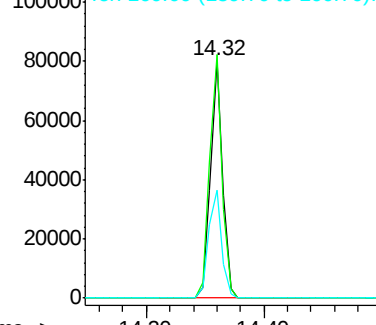
160 45.2 31.8 47.8



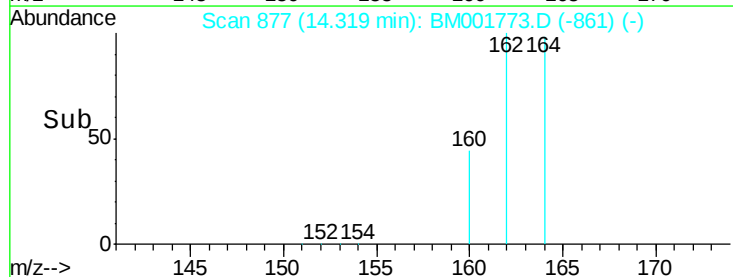
Abundance Ion 164.00 (163.70 to 164.70): E

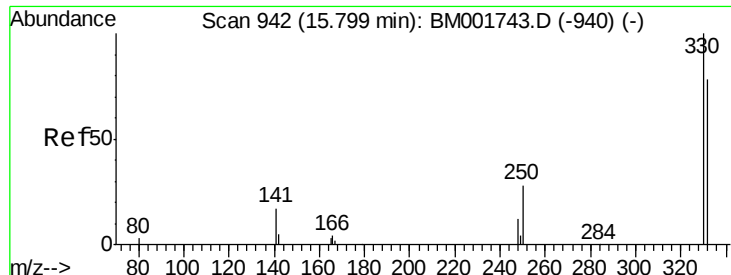
Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E



Time-->

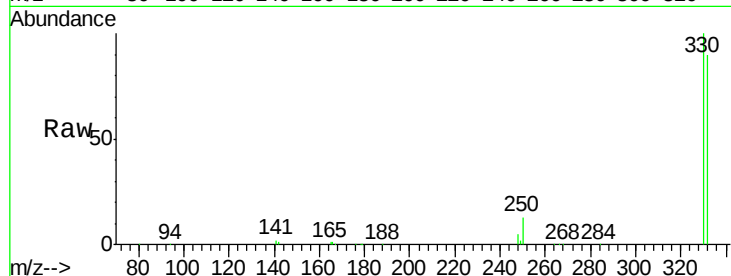




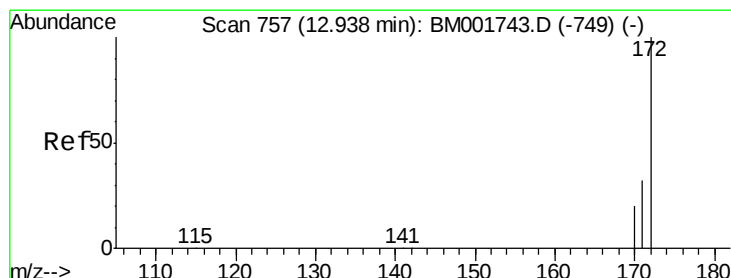
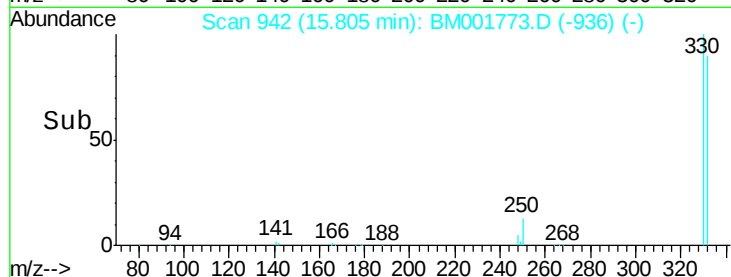
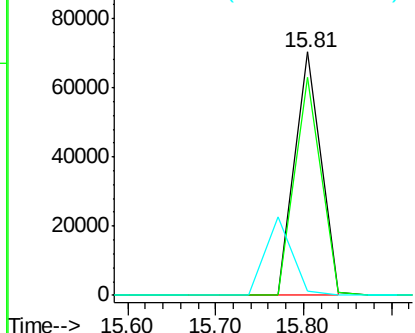
#13
 2,4,6-Tribromophenol
 Concen: 161.91 ng
 RT: 15.81 min Scan# 942
 Delta R.T. 0.01 min
 Lab File: BM001773.D
 Acq: 22 Jun 2015 13:57

Instrument :
 BNA_M
 ClientSampleId :
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Tgt Ion:330 Resp: 144800
 Ion Ratio Lower Upper
 330 100
 332 89.9 65.8 98.8
 141 0.0 0.0 0.0

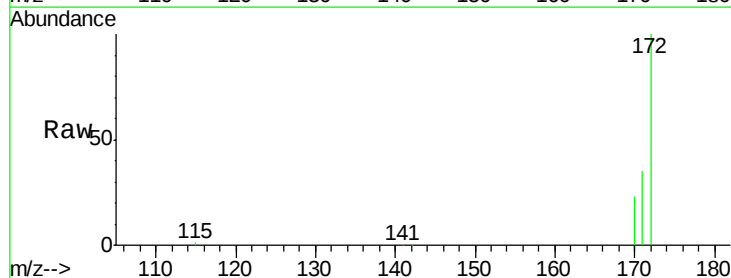


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

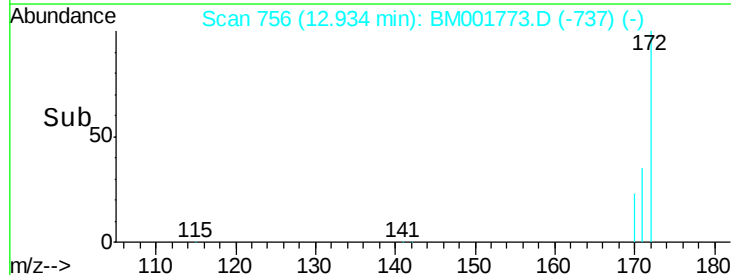
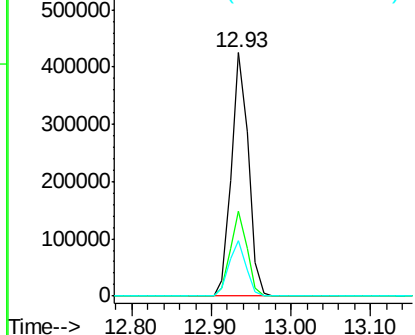


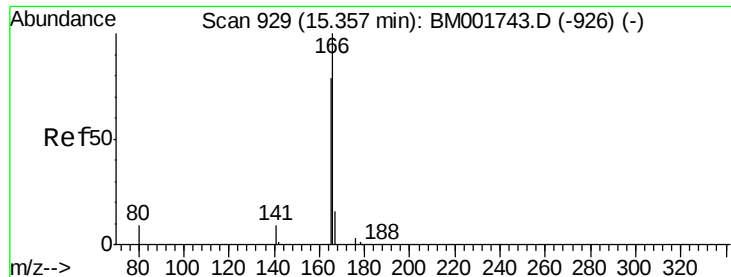
#14
 2-Fluorobiphenyl
 Concen: 61.42 ng
 RT: 12.93 min Scan# 756
 Delta R.T. -0.00 min
 Lab File: BM001773.D
 Acq: 22 Jun 2015 13:57

Tgt Ion:172 Resp: 628591
 Ion Ratio Lower Upper
 172 100
 171 34.7 26.2 39.2
 170 23.0 16.6 24.8



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

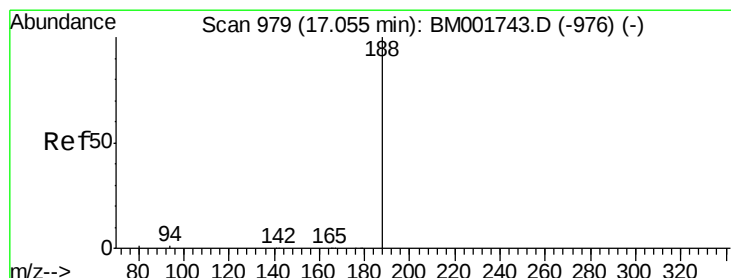
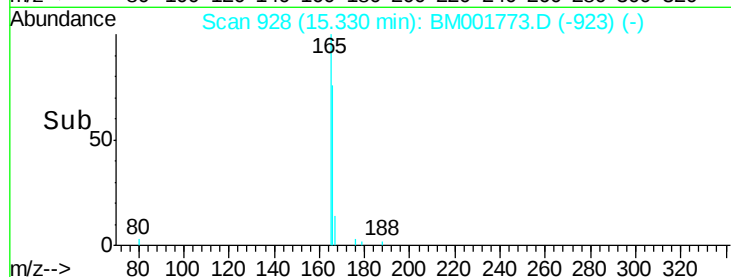
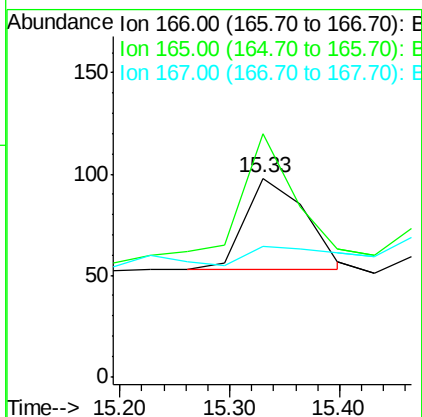
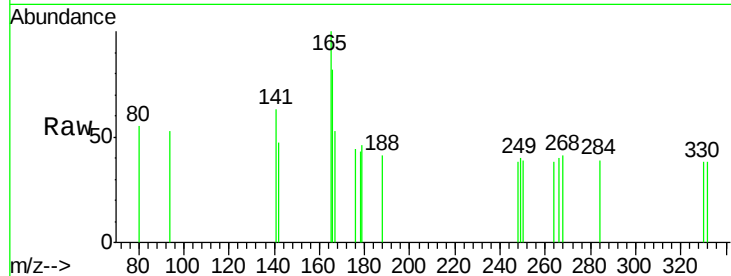




#17
Fluorene
 Concen: 0.02 ng
 RT: 15.33 min Scan# 928
 Delta R.T. -0.03 min
 Lab File: BM001773.D
 Acq: 22 Jun 2015 13:57

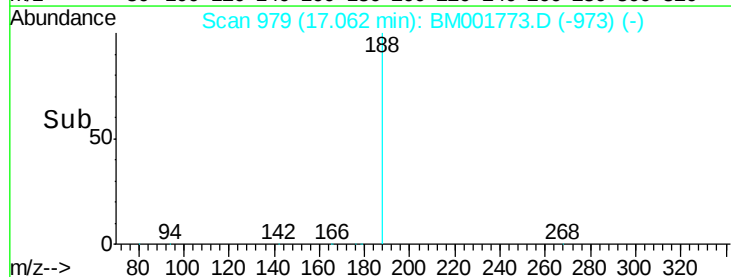
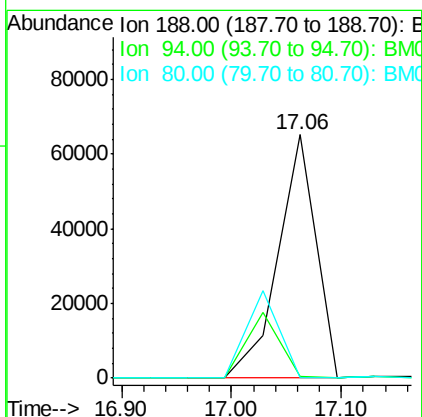
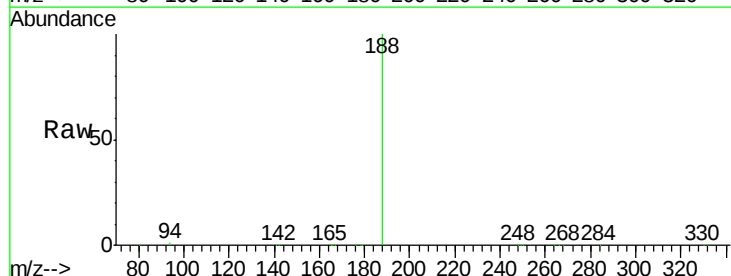
Instrument :
 BNA_M
 ClientSampleId :
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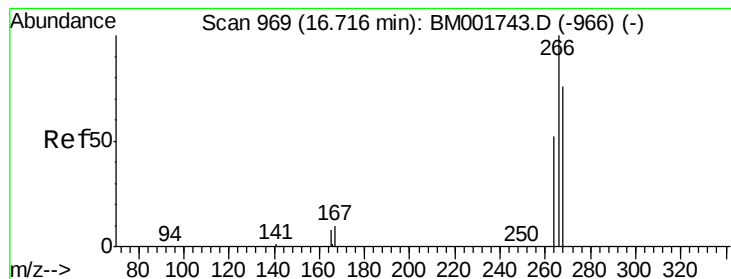
Tgt Ion:166 Resp: 171
 Ion Ratio Lower Upper
 166 100
 165 112.3 68.2 102.2#
 167 27.5 12.2 18.2#



#18
Phenanthrene-d10
 Concen: 5.00 ng
 RT: 17.06 min Scan# 979
 Delta R.T. 0.01 min
 Lab File: BM001773.D
 Acq: 22 Jun 2015 13:57

Tgt Ion:188 Resp: 156088
 Ion Ratio Lower Upper
 188 100
 94 0.5 1.3 1.9#
 80 0.4 1.0 1.6#





#21

Pentachlorophenol

Concen: 0.11 ng

RT: 16.65 min Scan# 967

Delta R.T. -0.06 min

Lab File: BM001773.D

Acq: 22 Jun 2015 13:57

Instrument :

BNA_M

ClientSampleId :

C-5

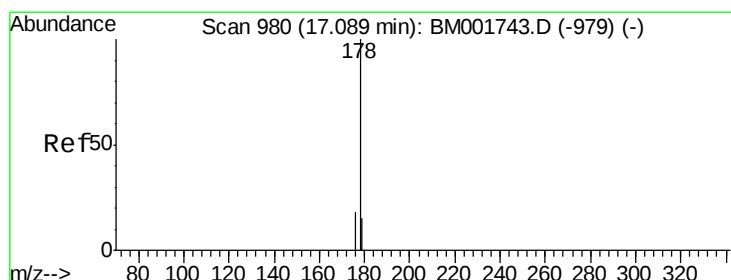
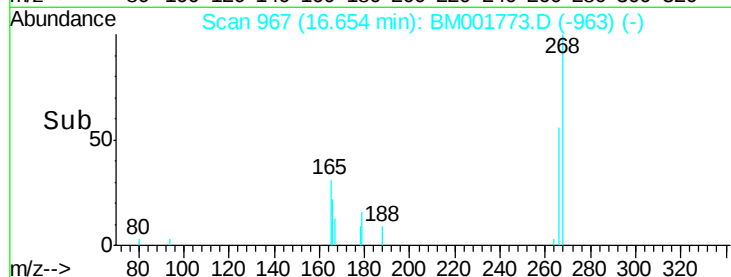
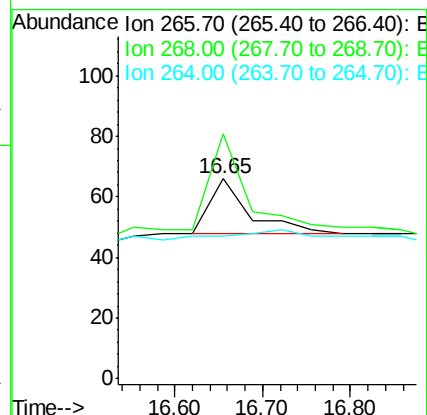
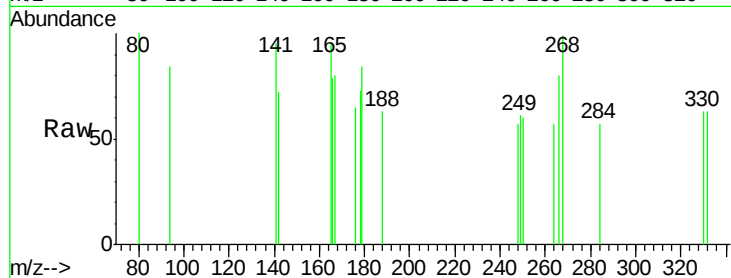
Tgt Ion:266 Resp: 55

Ion Ratio Lower Upper

266 100

268 122.7 63.2 94.8#

264 71.2 46.2 69.2#



#22

Phenanthrene

Concen: 0.10 ng

RT: 17.10 min Scan# 980

Delta R.T. 0.01 min

Lab File: BM001773.D

Acq: 22 Jun 2015 13:57

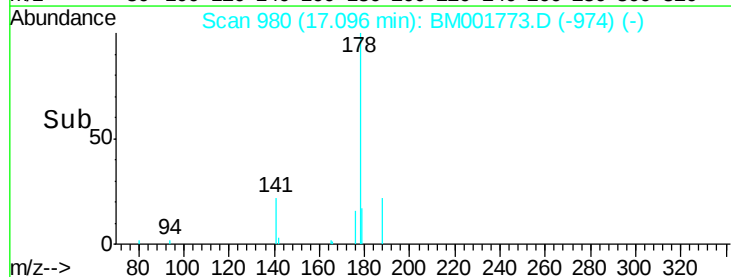
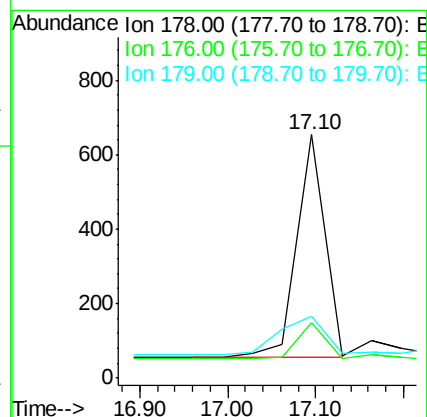
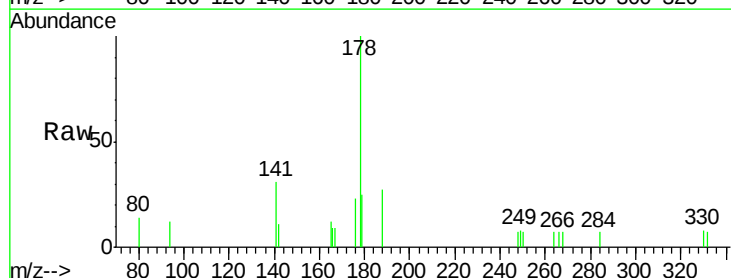
Tgt Ion:178 Resp: 1325

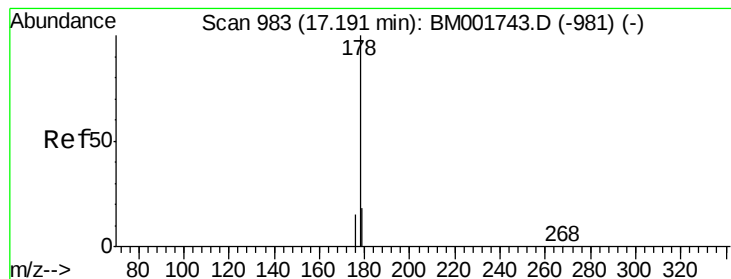
Ion Ratio Lower Upper

178 100

176 16.3 15.4 23.2

179 28.0 12.6 19.0#





#23

Anthracene

Concen: 0.24 ng

RT: 17.10 min Scan# 980

Delta R.T. -0.10 min

Lab File: BM001773.D

Acq: 22 Jun 2015 13:57

Instrument :

BNA_M

ClientSampleId :

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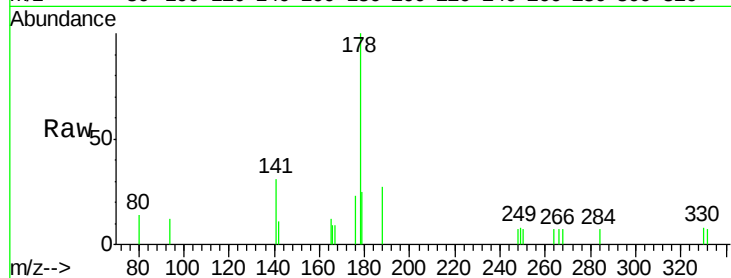
Tgt Ion:178 Resp: 1337

Ion Ratio Lower Upper

178 100

176 16.9 10.0 15.0#

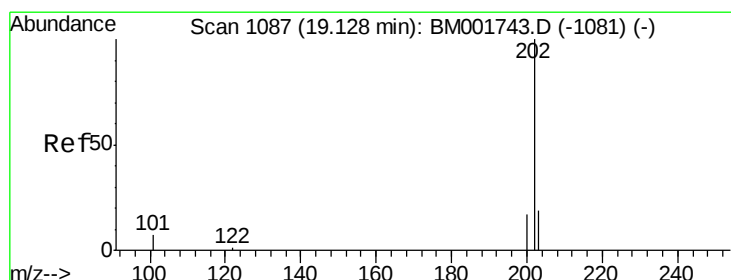
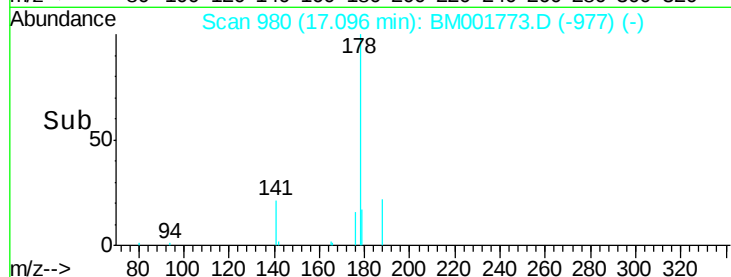
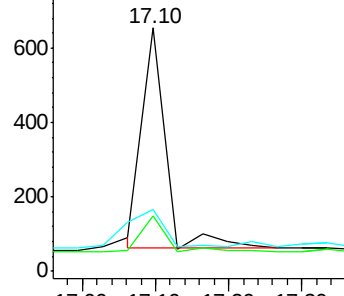
179 0.0 12.3 18.5#



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: 0.07 ng

RT: 19.12 min Scan# 1088

Delta R.T. -0.00 min

Lab File: BM001773.D

Acq: 22 Jun 2015 13:57

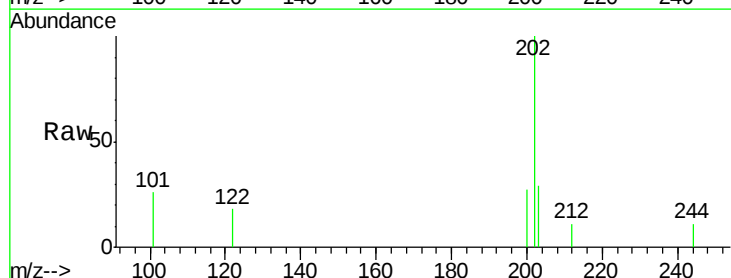
Tgt Ion:202 Resp: 604

Ion Ratio Lower Upper

202 100

101 23.8 10.8 16.2#

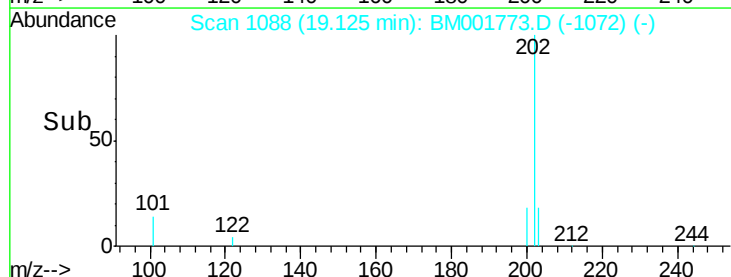
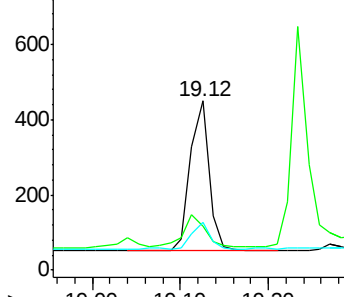
203 17.9 13.8 20.6

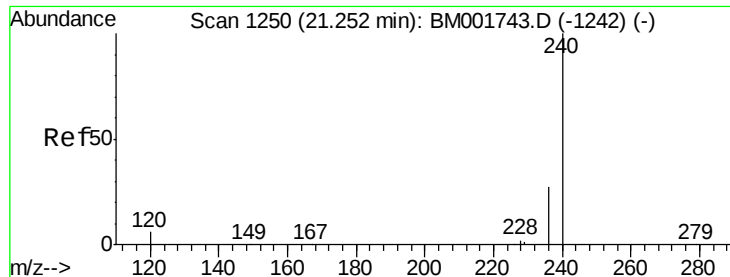


Abundance Ion 202.00 (201.70 to 202.70): E

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: BM001773.D

Acq: 22 Jun 2015 13:57

Instrument :

BNA_M

ClientSampleId :

C-5

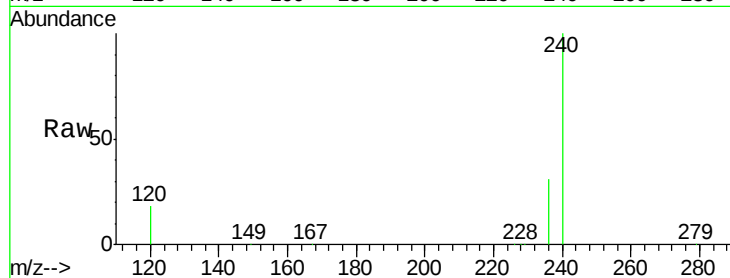
Tgt Ion:240 Resp: 196984

Ion Ratio Lower Upper

240 100

120 18.1 4.7 7.1#

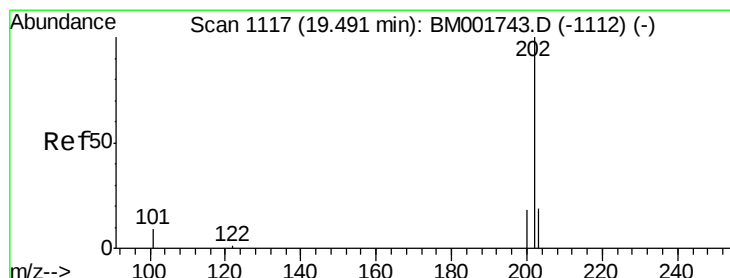
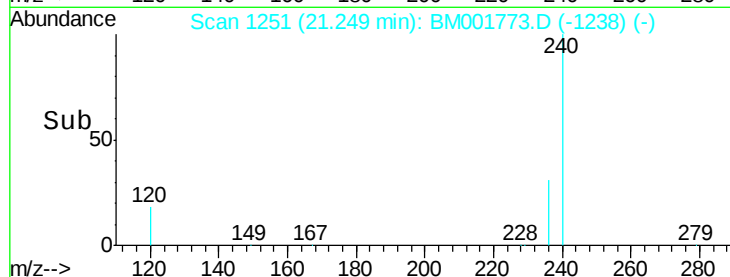
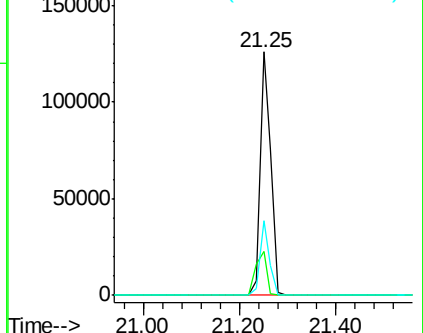
236 30.7 21.6 32.4



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# 1118

Delta R.T. -0.00 min

Lab File: BM001773.D

Acq: 22 Jun 2015 13:57

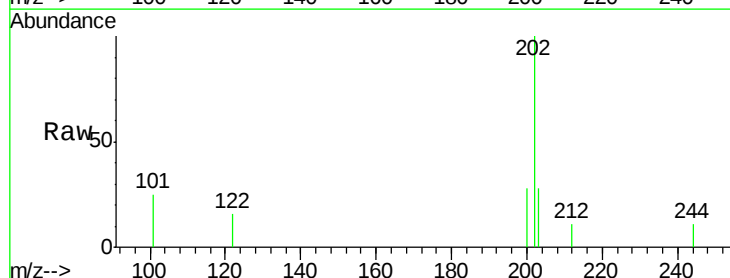
Tgt Ion:202 Resp: 582

Ion Ratio Lower Upper

202 100

200 20.4 16.6 24.8

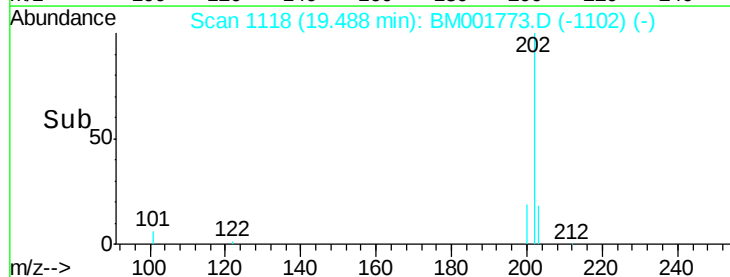
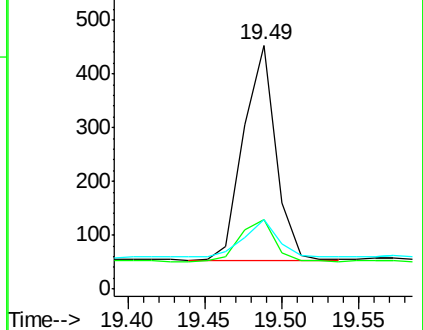
203 19.4 13.9 20.9

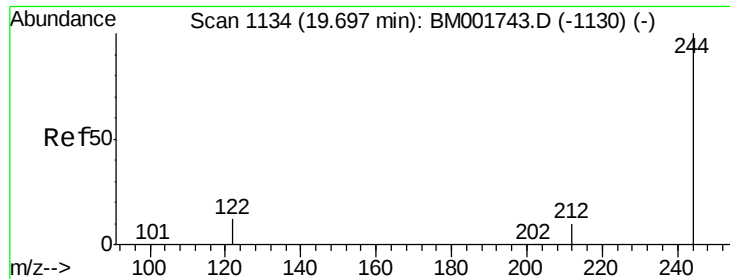


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#27

Terphenyl-d14

Concen: 61.46 ng

RT: 19.69 min Scan# 1135

Delta R.T. -0.00 min

Lab File: BM001773.D

Acq: 22 Jun 2015 13:57

Instrument :

BNA_M

ClientSampleId :

C-5

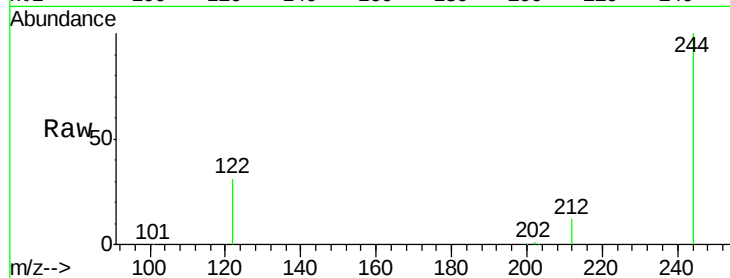
Tgt Ion:244 Resp: 446024

Ion Ratio Lower Upper

244 100

212 11.8 8.6 13.0

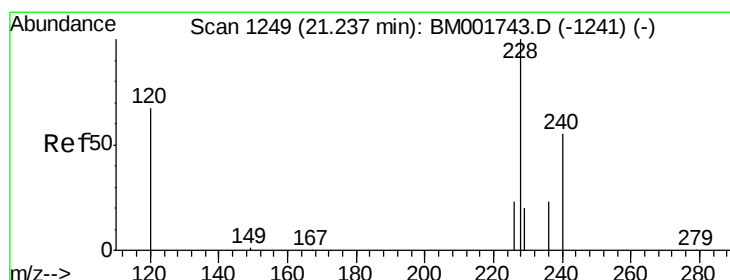
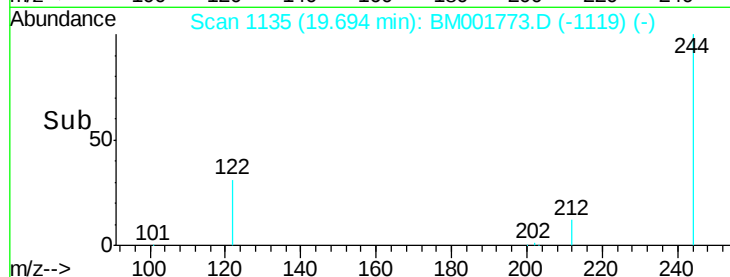
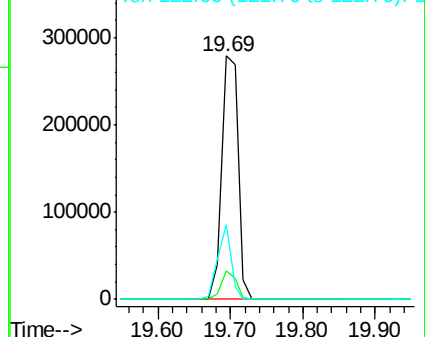
122 30.8 10.6 15.8#



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: 0.09 ng

RT: 21.25 min Scan# 1251

Delta R.T. 0.01 min

Lab File: BM001773.D

Acq: 22 Jun 2015 13:57

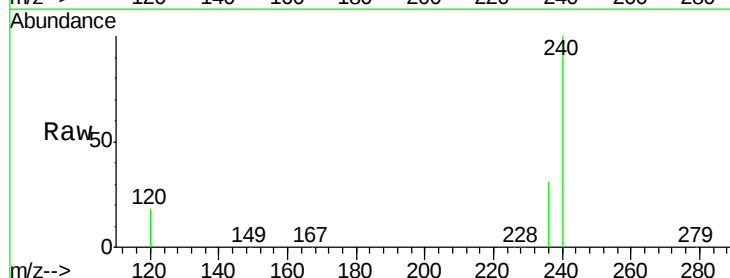
Tgt Ion:228 Resp: 1271

Ion Ratio Lower Upper

228 100

226 17.5 18.9 28.3#

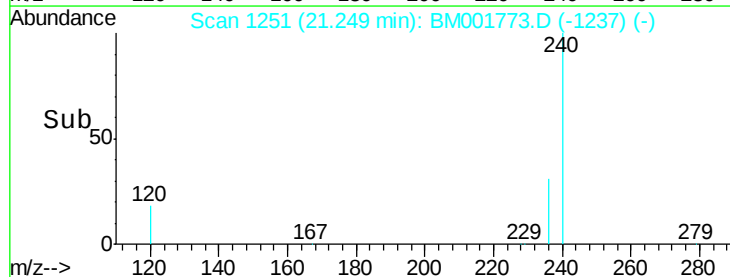
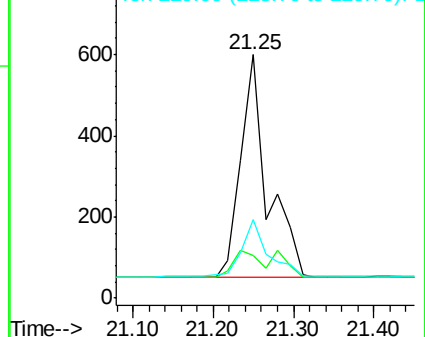
229 32.3 16.6 25.0#

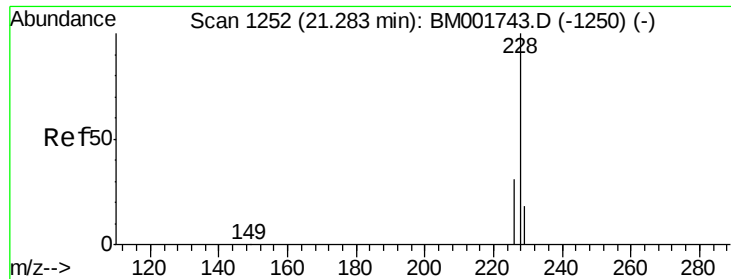


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#29

Chrysene

Concen: 0.08 ng

RT: 21.25 min Scan# 1251

Delta R.T. -0.03 min

Lab File: BM001773.D

Acq: 22 Jun 2015 13:57

Instrument :

BNA_M

ClientSampleId :

C-5

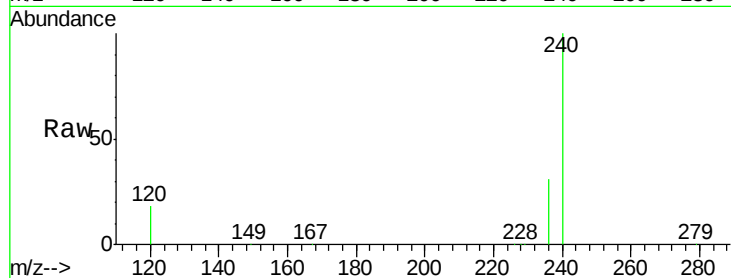
Tgt Ion:228 Resp: 1271

Ion Ratio Lower Upper

228 100

226 17.5 24.3 36.5#

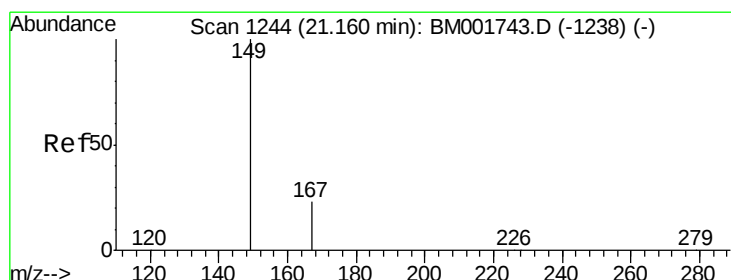
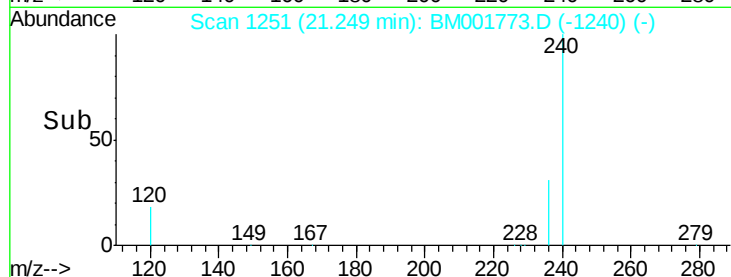
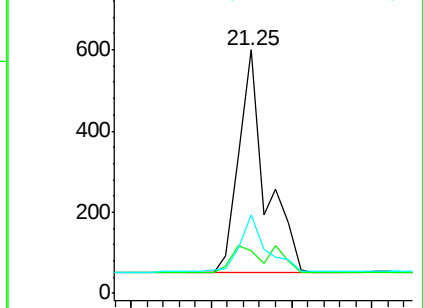
229 32.3 15.0 22.6#



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: 0.38 ng

RT: 21.16 min Scan# 1245

Delta R.T. -0.00 min

Lab File: BM001773.D

Acq: 22 Jun 2015 13:57

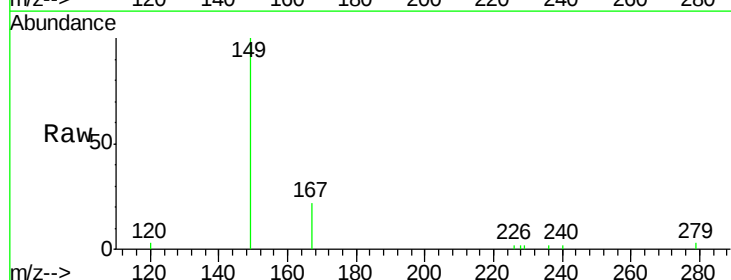
Tgt Ion:149 Resp: 3253

Ion Ratio Lower Upper

149 100

167 23.8 19.7 29.5

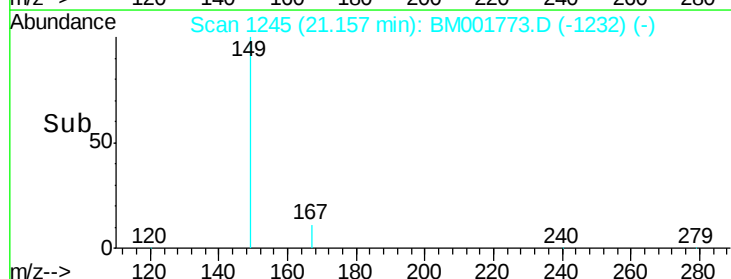
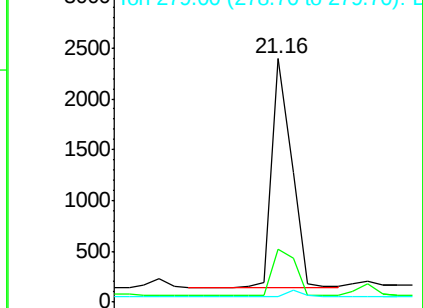
279 2.3 1.6 2.4

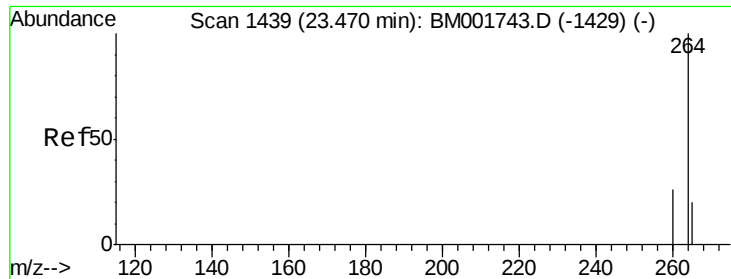


Abundance Ion 149.00 (148.70 to 149.70): E

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: BM001773.D

Acq: 22 Jun 2015 13:57

Instrument :

BNA_M

ClientSampleId :

C-5

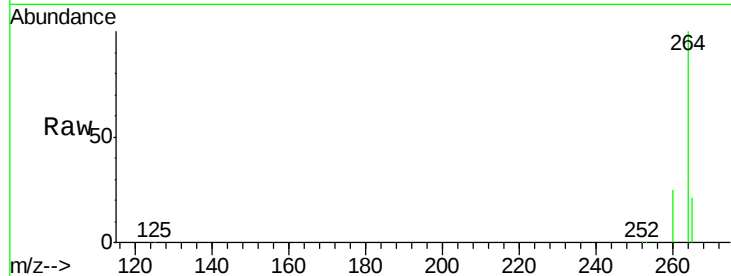
Tgt Ion: 264 Resp: 183613

Ion Ratio Lower Upper

264 100

260 25.2 20.8 31.2

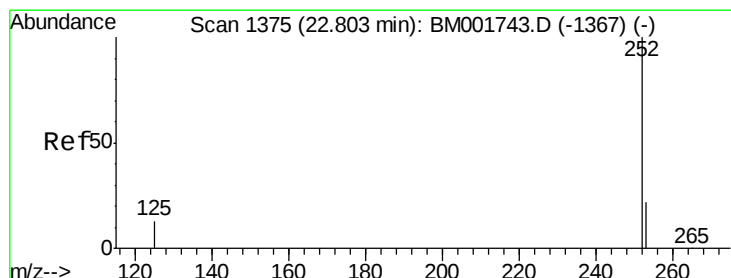
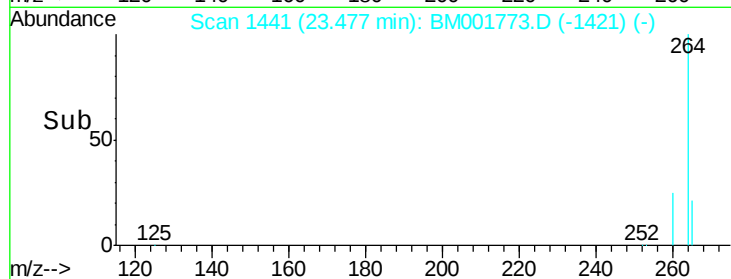
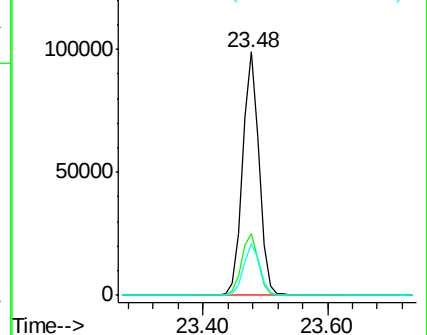
265 21.2 16.8 25.2



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: BM001773.D

Acq: 22 Jun 2015 13:57

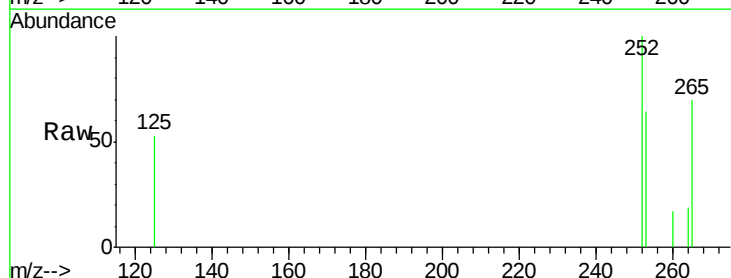
Tgt Ion: 252 Resp: 363

Ion Ratio Lower Upper

252 100

253 63.8 19.0 28.4#

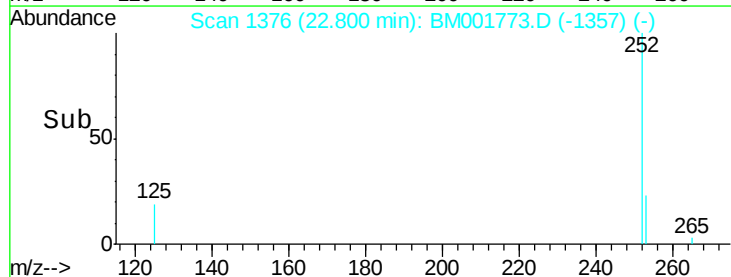
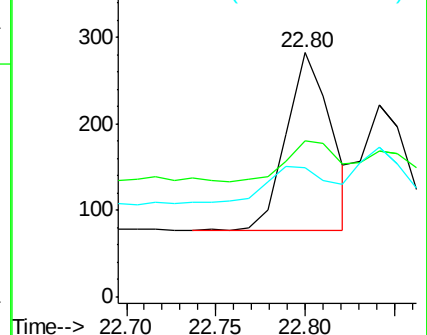
125 52.8 11.3 16.9#

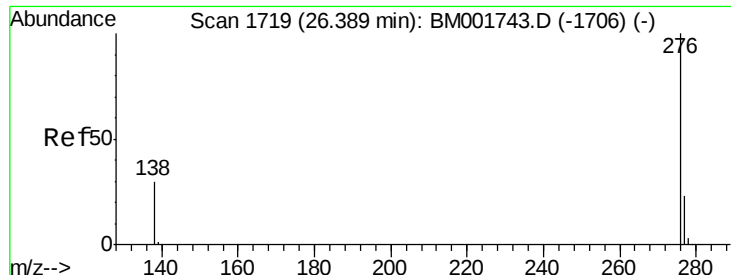


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#37

Benzo(g,h,i)perylene

Concen: 0.02 ng

RT: 26.40 min Scan# 1721

Delta R.T. 0.01 min

Lab File: BM001773.D

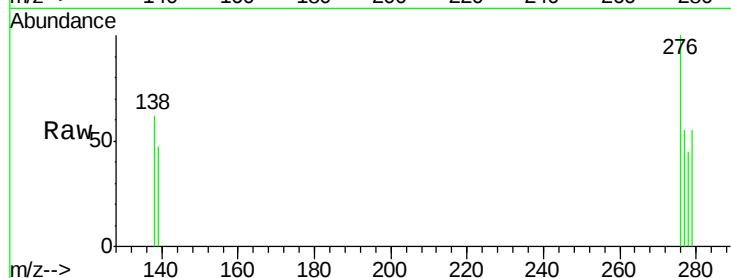
Acq: 22 Jun 2015 13:57

Instrument :

BNA_M

ClientSampleId :

C-5



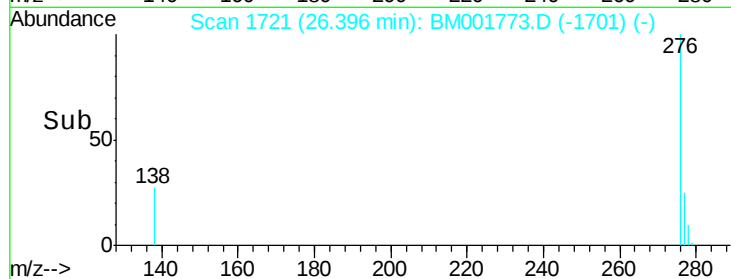
Tgt Ion: 276 Resp: 293

Ion Ratio Lower Upper

276 100

277 55.4 19.3 28.9#

138 62.3 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

