

Data Path : Z:\HPCHEM1\BNA M\DATA\BM122415\
 Data File : BM003763.D
 Acq On : 24 Dec 2015 04:41
 Operator : UM/SJ
 Sample : G4793-03
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :

Quant Time: Dec 24 06:13:49 2015
 Quant Method : Z:\HPCHEM1\BNA M\METHODS\8270-SIM-BM122415.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Dec 24 02:52:28 2015
 Response via : Initial Calibration

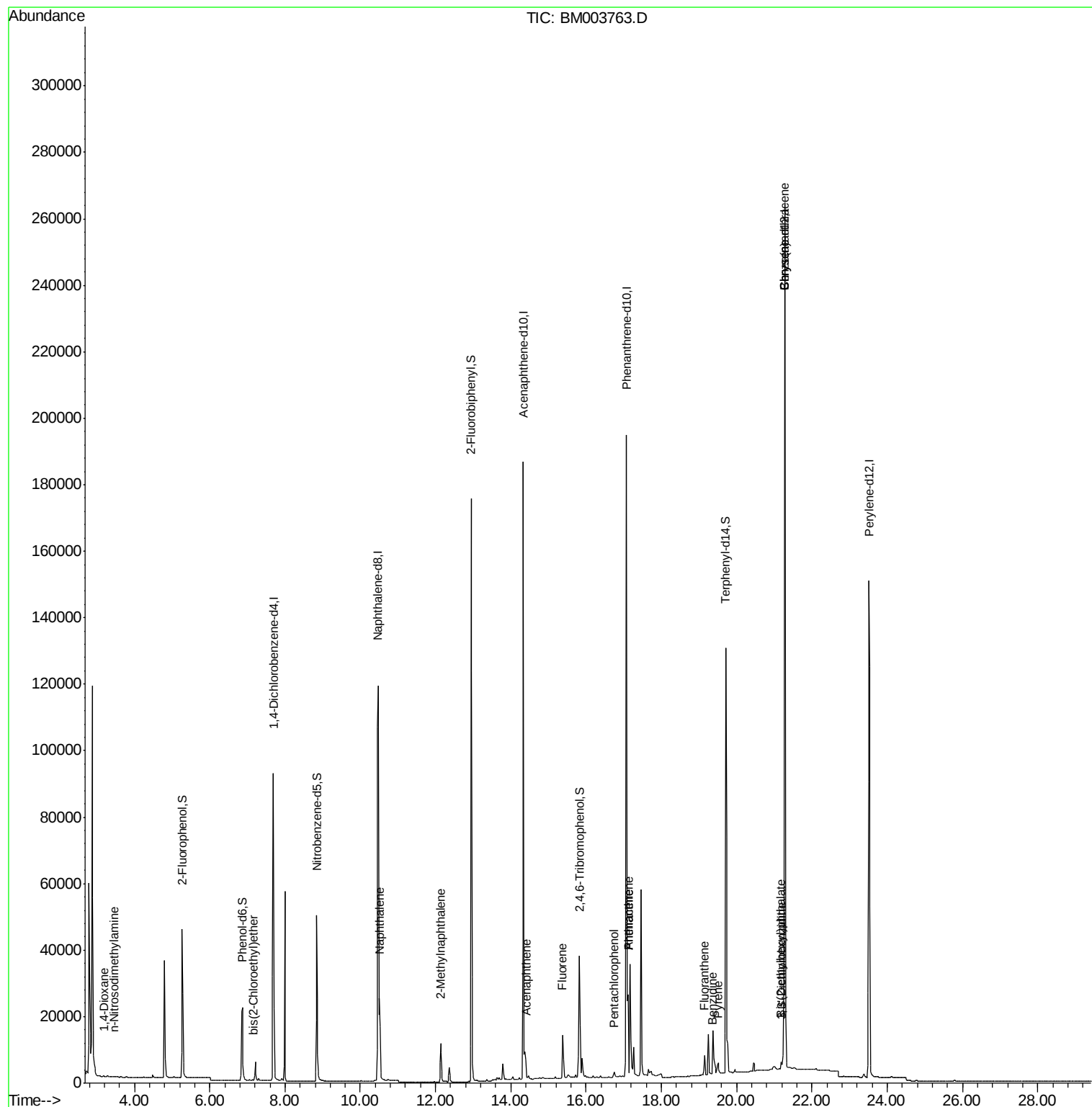
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.69	152	48244	5.00	ng	0.00
7) Naphthalene-d8	10.48	136	214085	5.00	ng	0.00
13) Acenaphthene-d10	14.33	164	118616	5.00	ng	0.00
19) Phenanthrene-d10	17.07	188	276670	5.00	ng	0.00
26) Chrysene-d12	21.28	240	266329	5.00	ng	-0.01
35) Perylene-d12	23.52	264	197112	5.00	ng	0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.27	112	42949	3.90	ng	0.00
5) Phenol-d6	6.87	99	34801	2.57	ng	0.00
8) Nitrobenzene-d5	8.85	82	50449	4.58	ng	0.00
14) 2,4,6-Tribromophenol	15.82	330	28427	8.52	ng	-0.02
15) 2-Fluorobiphenyl	12.95	172	170992	4.94	ng	0.00
29) Terphenyl-d14	19.71	244	165658	3.93	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	3.18	88	325	0.02	ng	# 28
3) n-Nitrosodimethylamine	3.46	42	185	0.04	ng	# 1
6) bis(2-Chloroethyl)ether	7.16	93	352	0.03	ng	# 22
10) Naphthalene	10.51	128	36194	0.77	ng	100
12) 2-Methylnaphthalene	12.14	142	9161	0.29	ng	91
17) Acenaphthene	14.40	154	6631	0.20	ng	# 7
18) Fluorene	15.38	166	11298	0.29	ng	96
20) 4-Bromophenyl-phenylether	16.28	248	31	Below Cal		# 44
21) Hexachlorobenzene	16.40	284	28	Below Cal		# 48
22) Pentachlorophenol	16.74	266	1552	0.68	ng	# 81
23) Phenanthrene	17.12	178	54701	0.62	ng	# 75
24) Anthracene	17.12	178	57333	0.88	ng	# 73
25) Fluoranthene	19.15	202	5845	0.07	ng	99
27) Benzidine	19.35	184	693	0.54	ng	# 1
28) Pyrene	19.51	202	3256	0.04	ng	# 86
30) Benzo(a)anthracene	21.28	228	3073	0.04	ng	# 38
31) 3,3'-Dichlorobenzidine	21.20	252	68	0.30	ng	# 33
32) Chrysene	21.28	228	2997	0.04	ng	# 55
33) Bis(2-ethylhexyl)phthalate	21.17	149	3650	0.29	ng	# 50

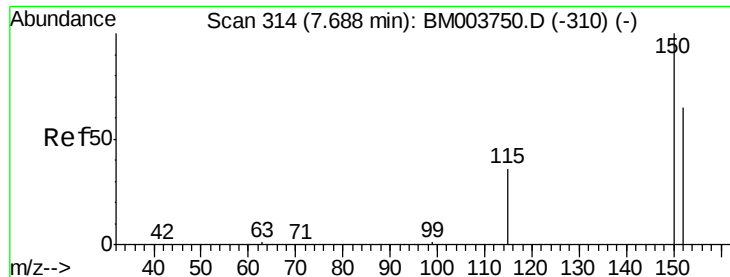
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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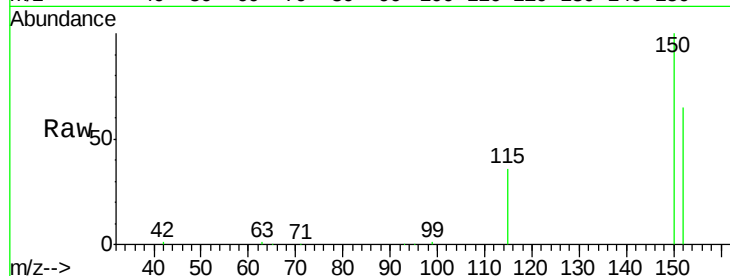


#1

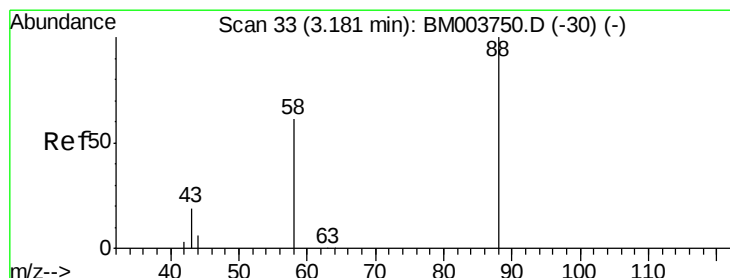
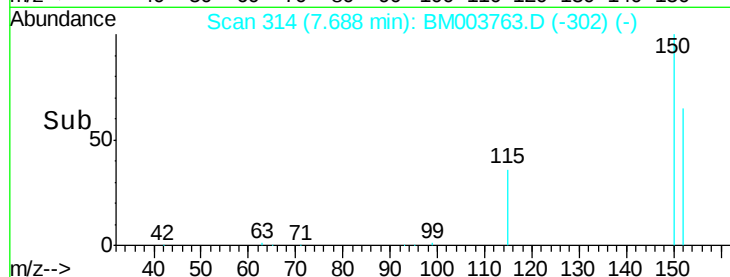
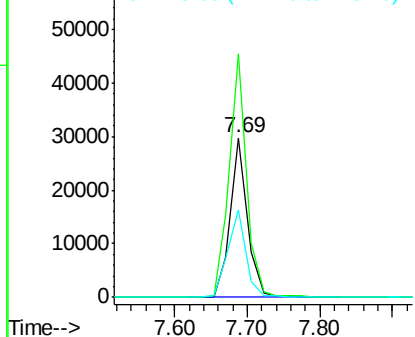
1,4-Dichlorobenzene-d4
Concen: 5.00 ng
RT: 7.69 min Scan# 314
Delta R.T. 0.00 min
Lab File: BM003763.D
Acq: 24 Dec 2015 04:41

Instrument :
BNA_M
ClientSampleId :

Tot Ion:152 Resp: 48244
Ion Ratio Lower Upper
152 100
150 152.8 122.9 184.3
115 54.7 44.4 66.6



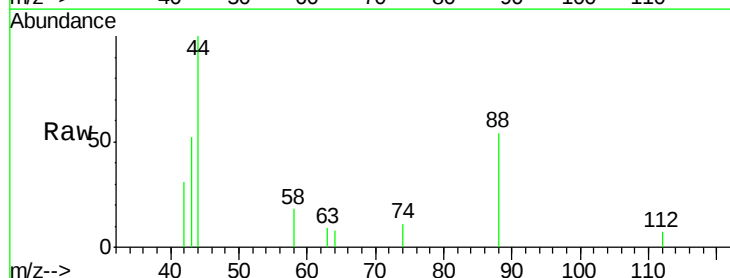
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



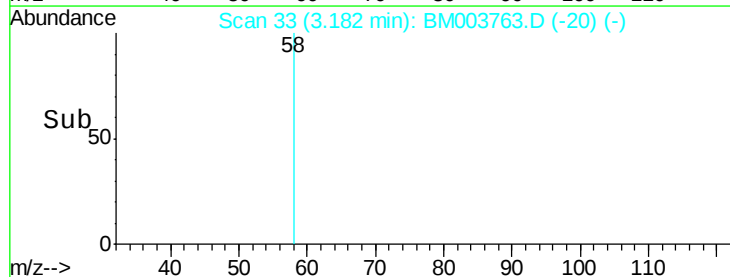
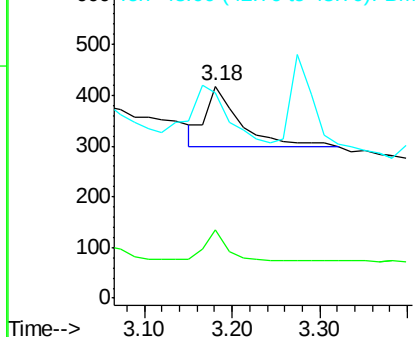
#2

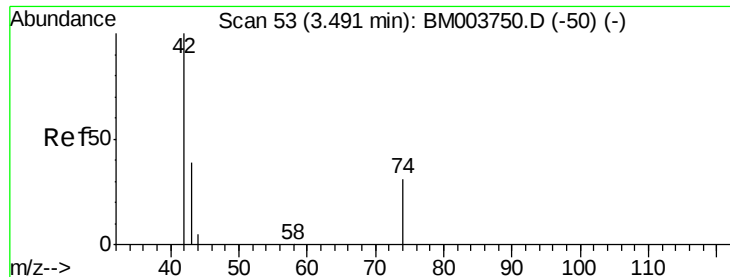
1,4-Dioxane
Concen: 0.02 ng
RT: 3.18 min Scan# 33
Delta R.T. 0.00 min
Lab File: BM003763.D
Acq: 24 Dec 2015 04:41

Tgt Ion: 88 Resp: 325
Ion Ratio Lower Upper
88 100
58 32.9 53.8 80.6#
43 104.0 23.8 35.6#



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: 0.04 ng

RT: 3.46 min Scan# 51

Delta R.T. -0.03 min

Lab File: BM003763.D

Acq: 24 Dec 2015 04:41

Instrument :

BNA_M

ClientSampleId :

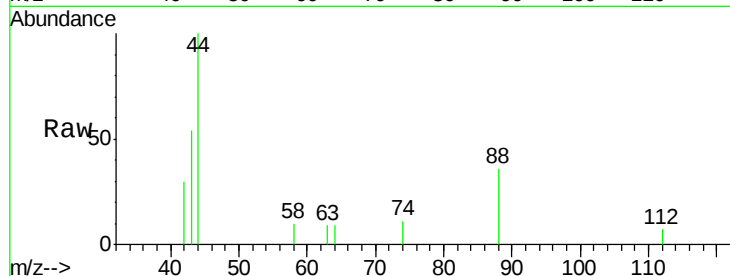
Tot Ion: 42 Resp: 185

Ion Ratio Lower Upper

42 100

74 0.0 95.0 142.4#

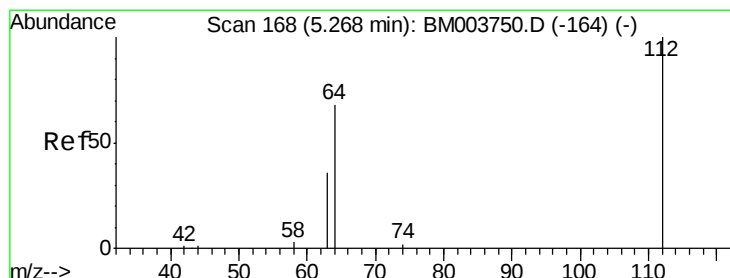
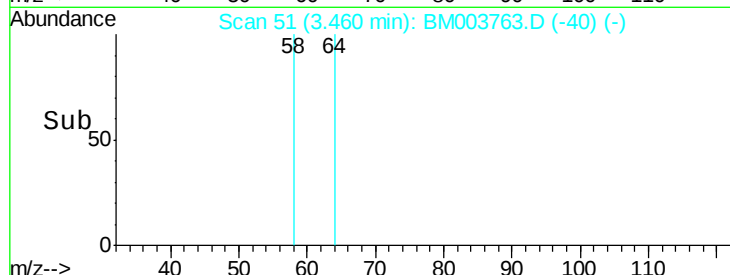
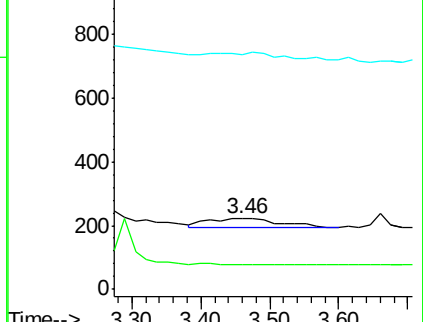
44 0.0 5.1 7.7#



Abundance Ion 42.00 (41.70 to 42.70): BM003750.D (-50) (-)

Ion 74.00 (73.70 to 74.70): BM003750.D (-50) (-)

Ion 44.00 (43.70 to 44.70): BM003750.D (-50) (-)



#4

2-Fluorophenol

Concen: 3.90 ng

RT: 5.27 min Scan# 168

Delta R.T. 0.00 min

Lab File: BM003763.D

Acq: 24 Dec 2015 04:41

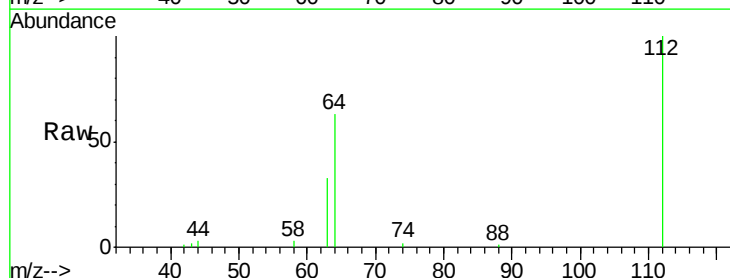
Tgt Ion: 112 Resp: 42949

Ion Ratio Lower Upper

112 100

64 52.2 41.8 62.8

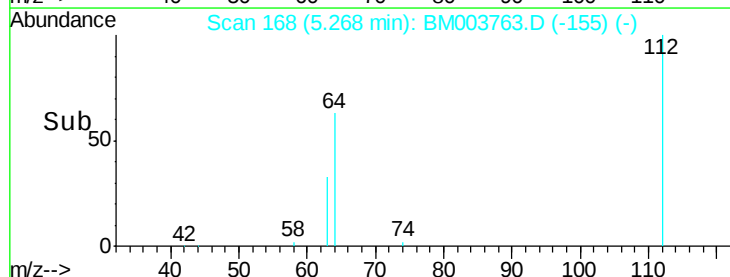
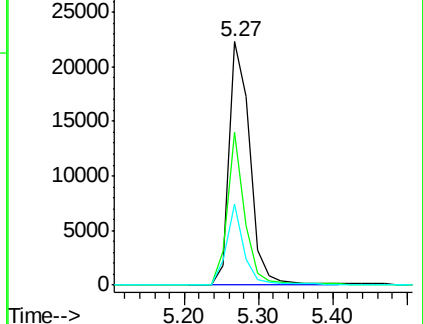
63 27.6 22.1 33.1

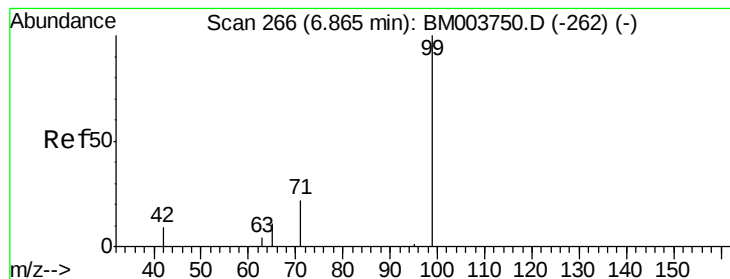


Abundance Ion 112.00 (111.70 to 112.70): BM003750.D (-164) (-)

Ion 64.00 (63.70 to 64.70): BM003750.D (-164) (-)

Ion 63.00 (62.70 to 63.70): BM003750.D (-164) (-)





#5

Phenol-d6

Concen: 2.57 ng

RT: 6.87 min Scan# 266

Delta R.T. 0.00 min

Lab File: BM003763.D

Acq: 24 Dec 2015 04:41

Instrument :

BNA_M

ClientSampleId :

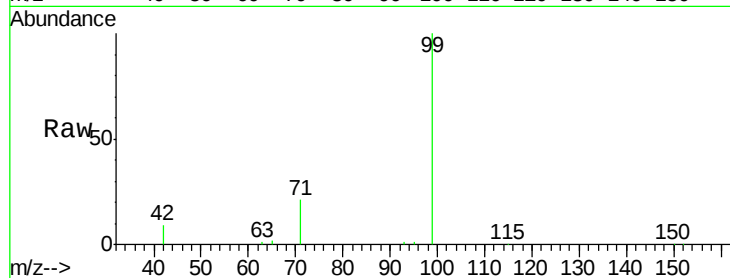
Tot Ion: 99 Resp: 34801

Ion Ratio Lower Upper

99 100

42 18.7 16.2 24.2

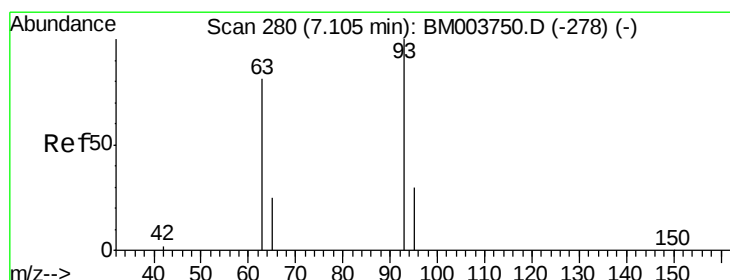
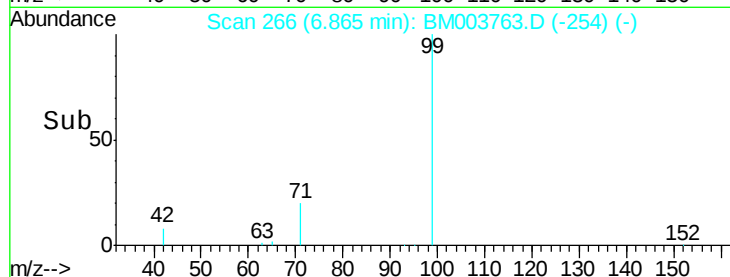
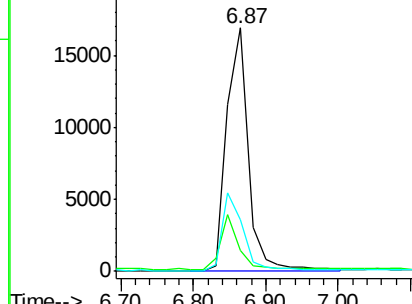
71 30.8 24.4 36.6



Abundance Ion 99.00 (98.70 to 99.70): BM003763.D (-268) (-)

Ion 42.00 (41.70 to 42.70): BM003763.D (-268) (-)

Ion 71.00 (70.70 to 71.70): BM003763.D (-268) (-)



#6

bis(2-Chloroethyl)ether

Concen: 0.03 ng

RT: 7.16 min Scan# 283

Delta R.T. 0.05 min

Lab File: BM003763.D

Acq: 24 Dec 2015 04:41

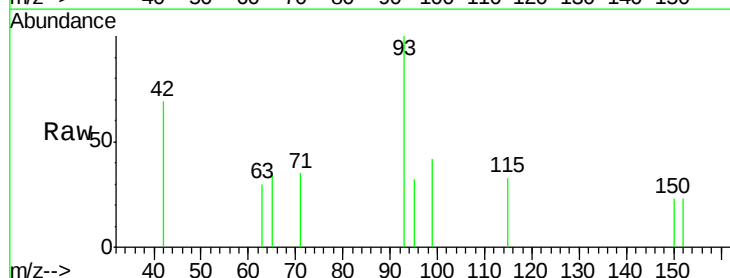
Tgt Ion: 93 Resp: 352

Ion Ratio Lower Upper

93 100

63 0.0 58.3 87.5#

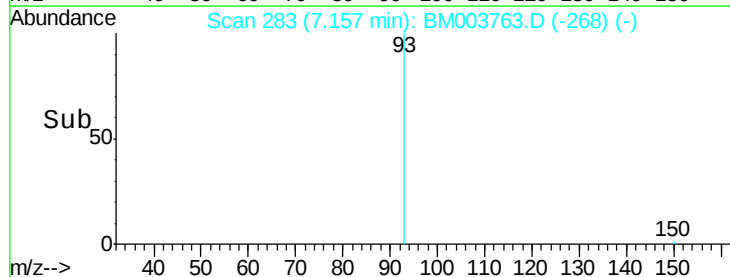
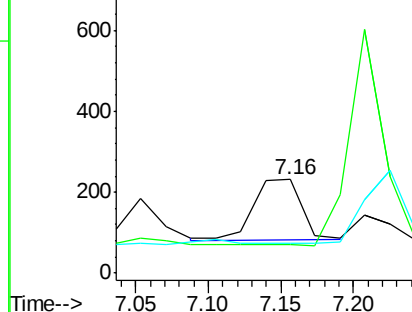
95 0.0 25.8 38.8#

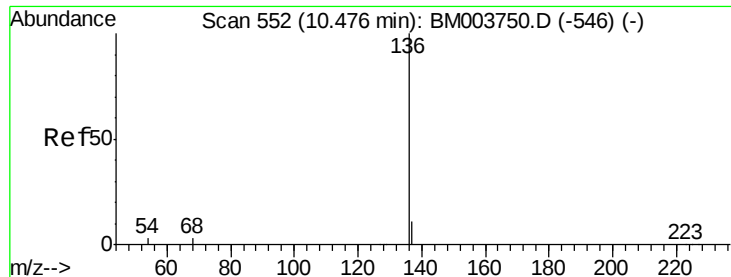


Abundance Ion 93.00 (92.70 to 93.70): BM003763.D (-268) (-)

Ion 63.00 (62.70 to 63.70): BM003763.D (-268) (-)

Ion 95.00 (94.70 to 95.70): BM003763.D (-268) (-)





#7

Naphthalene-d8

Concen: 5.00 ng

RT: 10.48 min Scan# 552

Delta R.T. 0.00 min

Lab File: BM003763.D

Acq: 24 Dec 2015 04:41

Instrument :

BNA_M

ClientSampleId :

Tot Ion:136 Resp: 214085

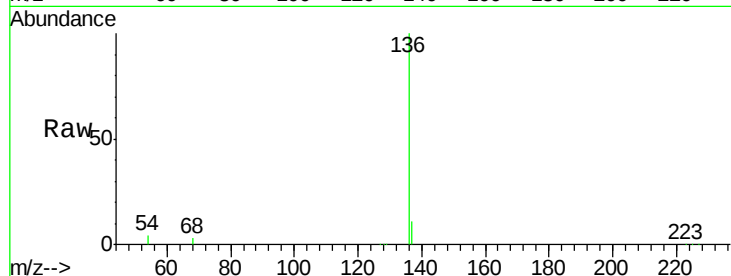
Ion Ratio Lower Upper

136 100

137 11.5 9.2 13.8

54 3.7 2.8 4.2

68 3.2 2.5 3.7

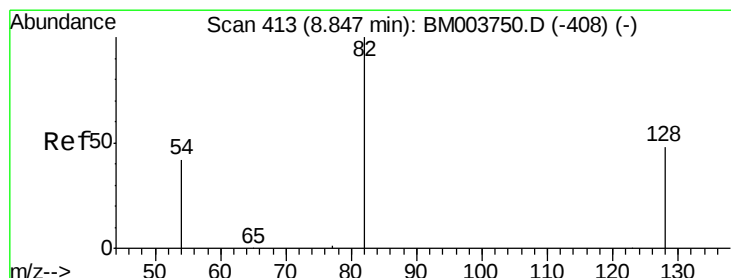
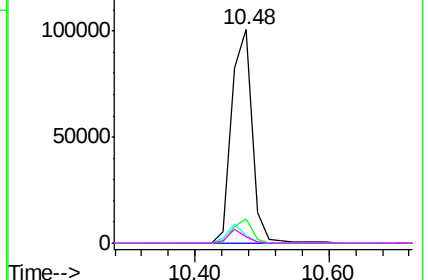
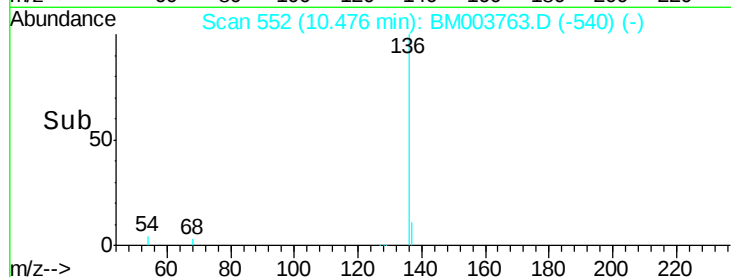


Abundance Ion 136.00 (135.70 to 136.70): E

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



#8

Nitrobenzene-d5

Concen: 4.58 ng

RT: 8.85 min Scan# 413

Delta R.T. 0.00 min

Lab File: BM003763.D

Acq: 24 Dec 2015 04:41

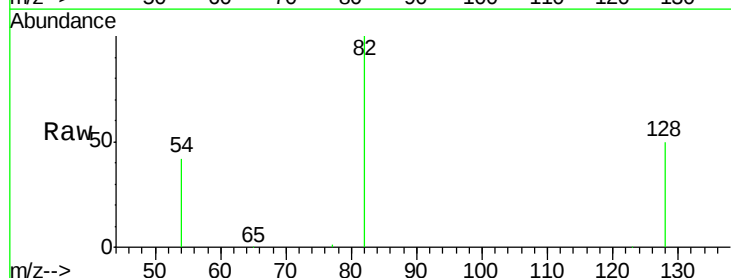
Tgt Ion: 82 Resp: 50449

Ion Ratio Lower Upper

82 100

128 50.0 39.1 58.7

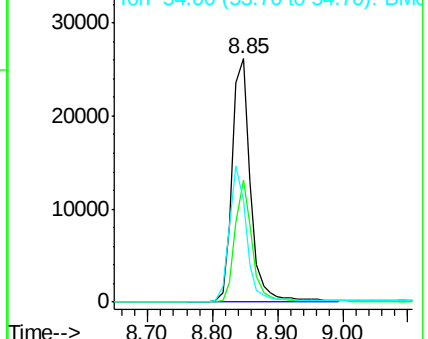
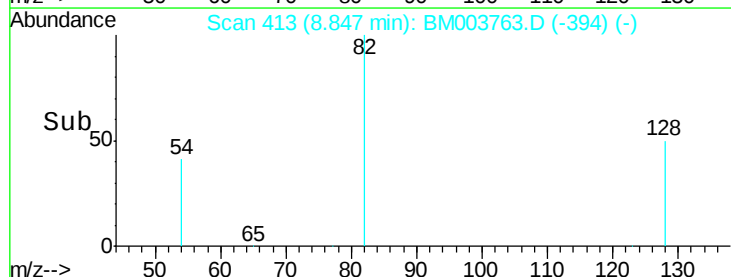
54 41.7 34.8 52.2

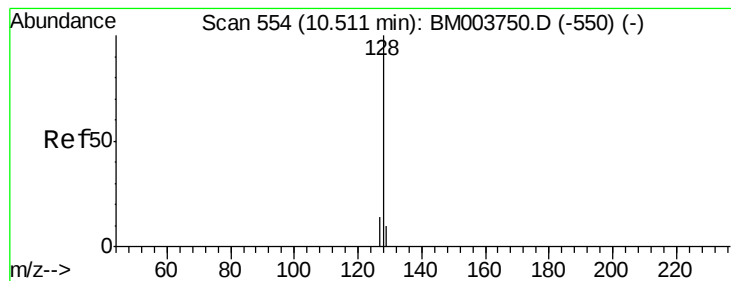


Abundance Ion 82.00 (81.70 to 82.70): BM

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BM





#10

Naphthalene

Concen: 0.77 ng

RT: 10.51 min Scan# 554

Delta R.T. 0.00 min

Lab File: BM003763.D

Acq: 24 Dec 2015 04:41

Instrument :

BNA_M

ClientSampleId :

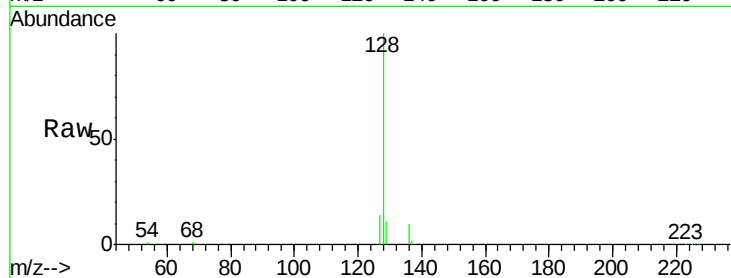
Tot Ion:128 Resp: 36194

Ion Ratio Lower Upper

128 100

129 10.6 8.5 12.7

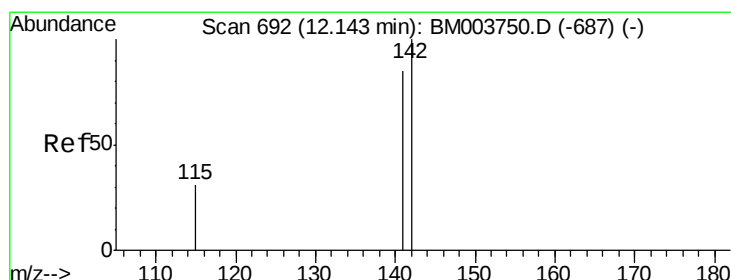
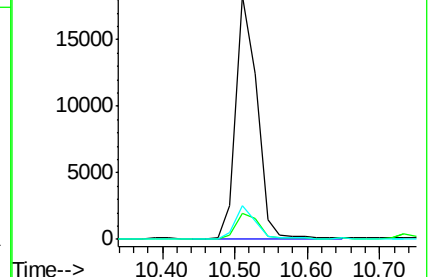
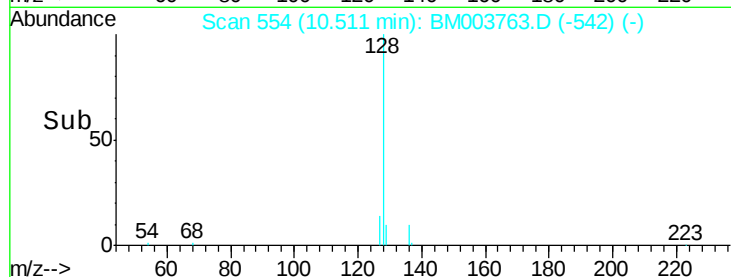
127 13.9 11.0 16.4



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



#12

2-Methylnaphthalene

Concen: 0.29 ng

RT: 12.14 min Scan# 691

Delta R.T. -0.00 min

Lab File: BM003763.D

Acq: 24 Dec 2015 04:41

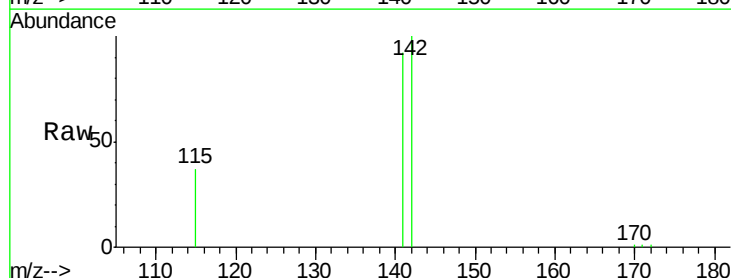
Tgt Ion:142 Resp: 9161

Ion Ratio Lower Upper

142 100

141 92.0 67.8 101.8

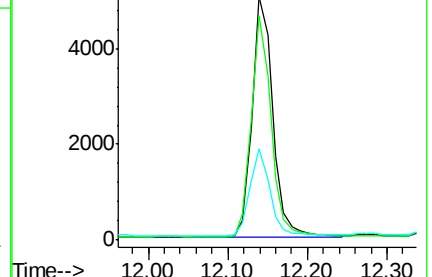
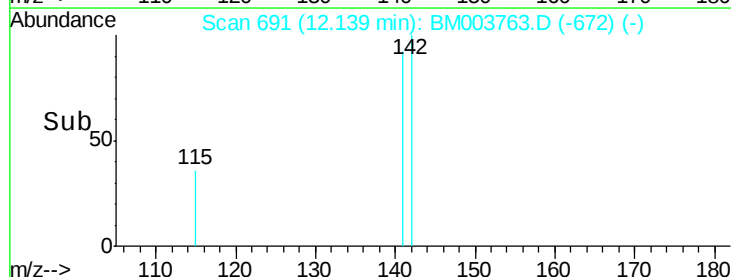
115 37.5 25.3 37.9

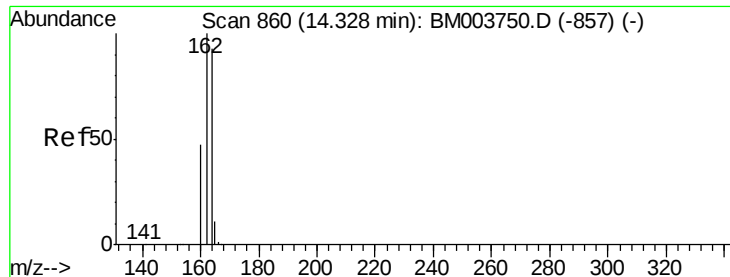


Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 115.00 (114.70 to 115.70): E





#13

Acenaphthene-d10

Concen: 5.00 ng

RT: 14.33 min Scan# 860

Delta R.T. 0.01 min

Lab File: BM003763.D

Acq: 24 Dec 2015 04:41

Instrument :

BNA_M

ClientSampleId :

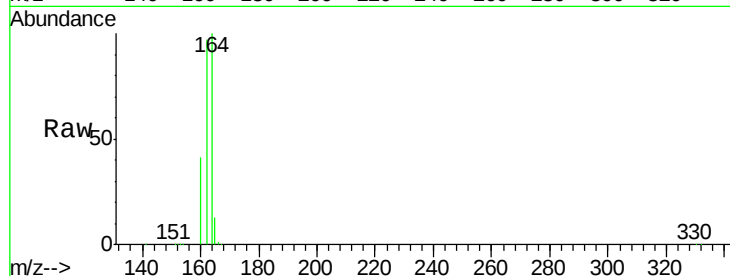
Tot Ion:164 Resp: 118616

Ion Ratio Lower Upper

164 100

162 96.5 86.0 129.0

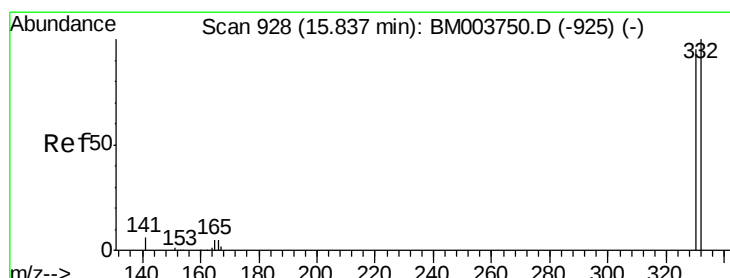
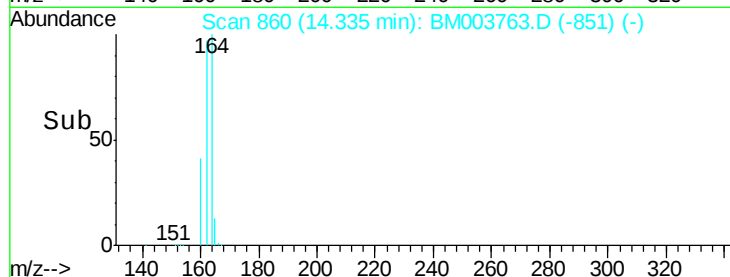
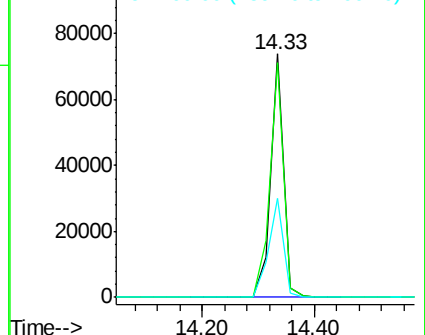
160 40.6 40.3 60.5



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



#14

2,4,6-Tribromophenol

Concen: 8.52 ng

RT: 15.82 min Scan# 927

Delta R.T. -0.02 min

Lab File: BM003763.D

Acq: 24 Dec 2015 04:41

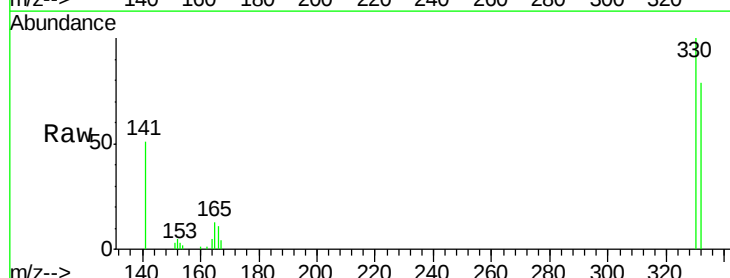
Tgt Ion:330 Resp: 28427

Ion Ratio Lower Upper

330 100

332 93.1 79.0 118.4

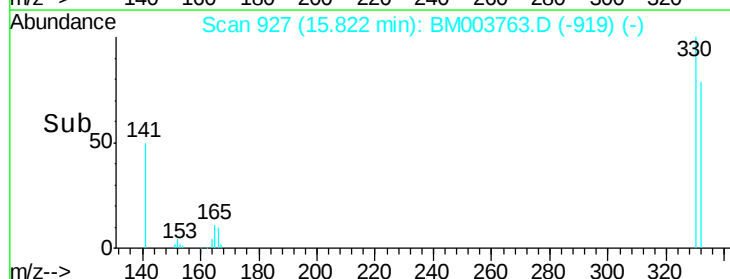
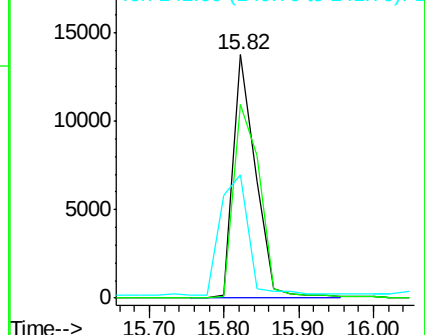
141 63.6 0.0 0.0#

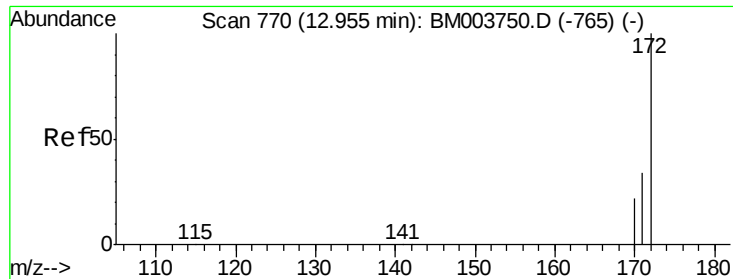


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

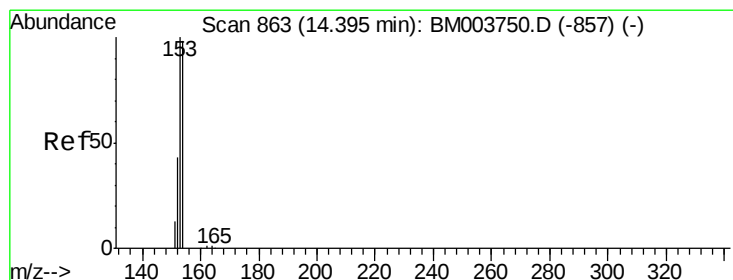
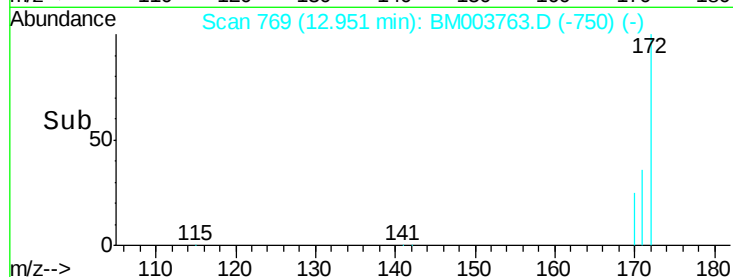
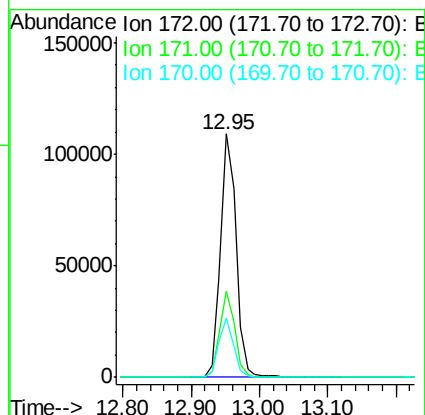
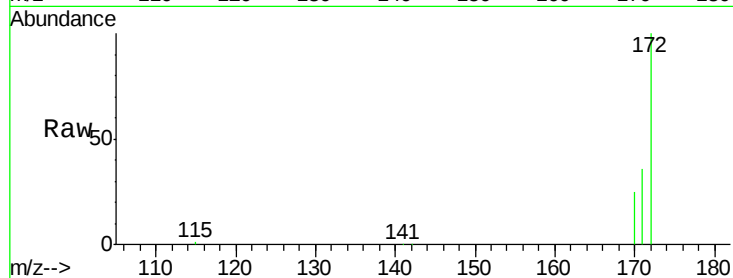




#15
2-Fluorobiphenyl
Concen: 4.94 ng
RT: 12.95 min Scan# 769
Delta R.T. -0.00 min
Lab File: BM003763.D
Acq: 24 Dec 2015 04:41

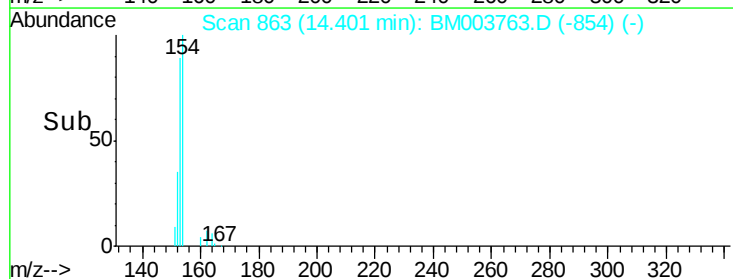
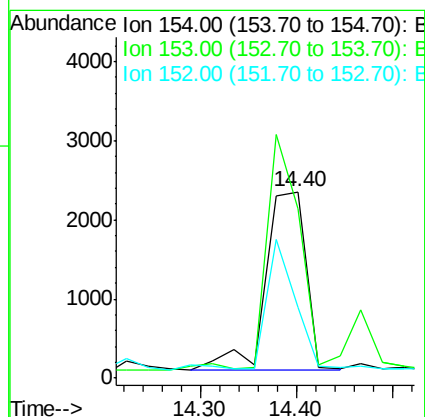
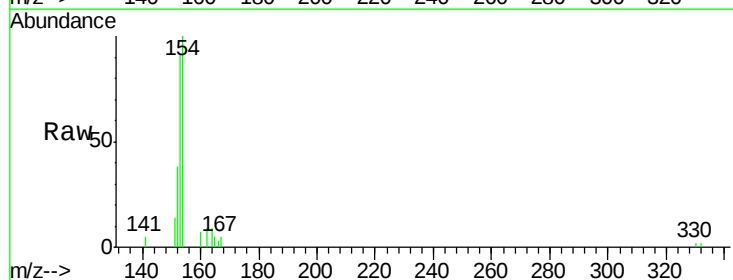
Instrument :
BNA_M
ClientSampleId :

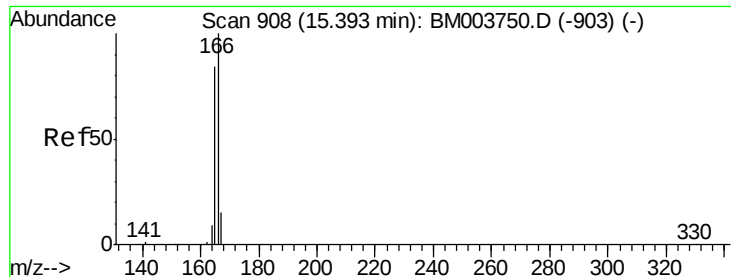
Tot Ion:172 Resp: 170992
Ion Ratio Lower Upper
172 100
171 35.5 27.0 40.6
170 24.6 17.9 26.9



#17
Acenaphthene
Concen: 0.20 ng
RT: 14.40 min Scan# 863
Delta R.T. 0.01 min
Lab File: BM003763.D
Acq: 24 Dec 2015 04:41

Tgt Ion:154 Resp: 6631
Ion Ratio Lower Upper
154 100
153 0.0 85.4 128.2#
152 0.0 40.6 60.8#





#18

Fluorene

Concen: 0.29 ng

RT: 15.38 min Scan# 907

Delta R.T. -0.02 min

Lab File: BM003763.D

Acq: 24 Dec 2015 04:41

Instrument :

BNA_M

ClientSampleId :

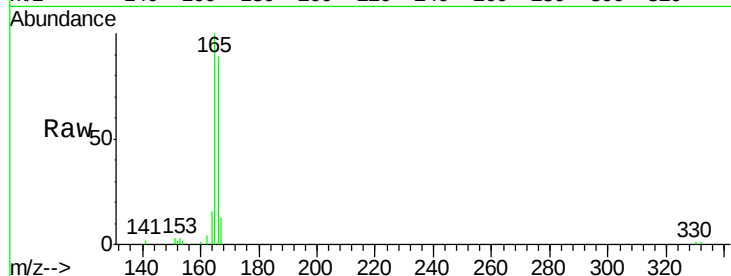
Tot Ion:166 Resp: 11298

Ion Ratio Lower Upper

166 100

165 101.2 77.2 115.8

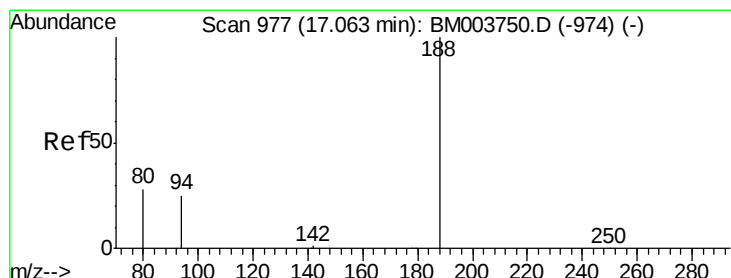
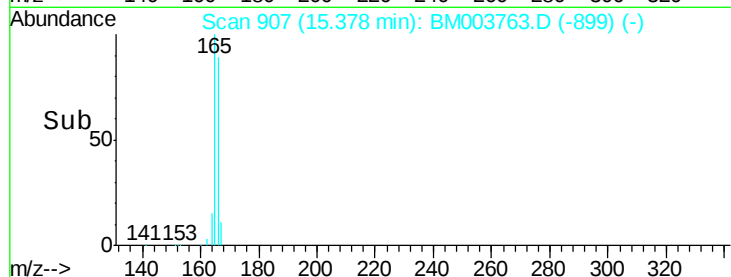
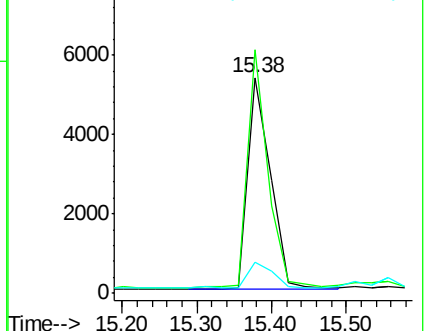
167 13.9 11.0 16.6



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



#19

Phenanthrene-d10

Concen: 5.00 ng

RT: 17.07 min Scan# 977

Delta R.T. 0.01 min

Lab File: BM003763.D

Acq: 24 Dec 2015 04:41

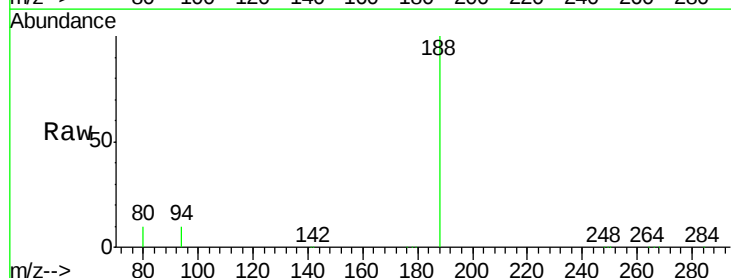
Tgt Ion:188 Resp: 276670

Ion Ratio Lower Upper

188 100

94 10.4 20.3 30.5#

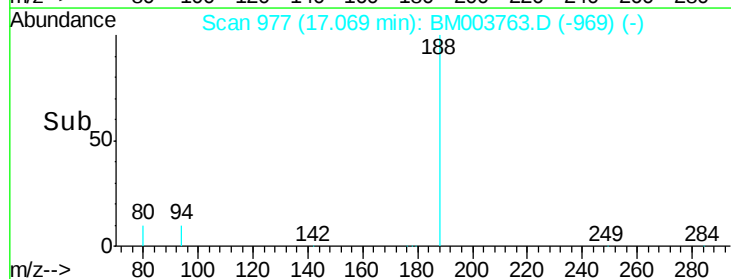
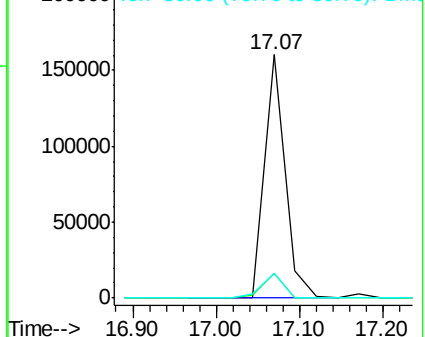
80 9.9 22.2 33.4#

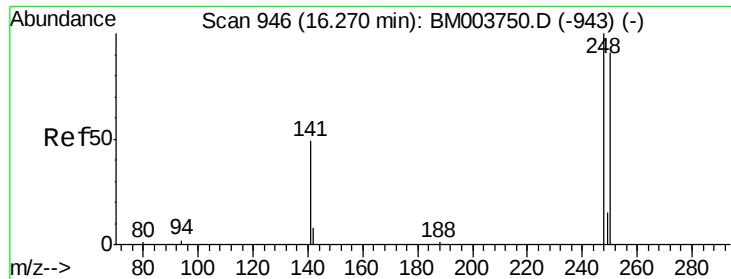


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BM0

Ion 80.00 (79.70 to 80.70): BM0

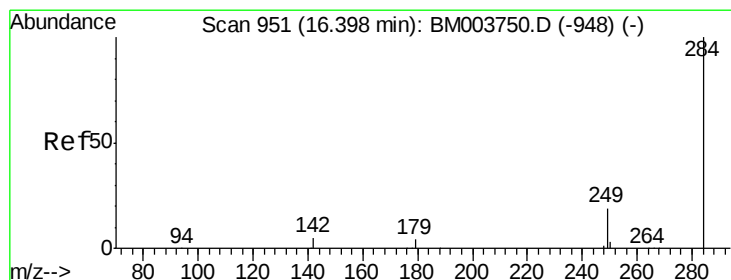
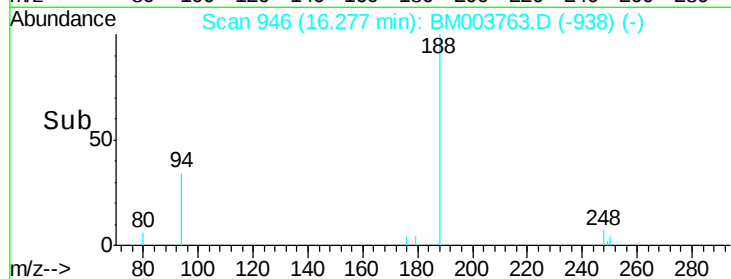
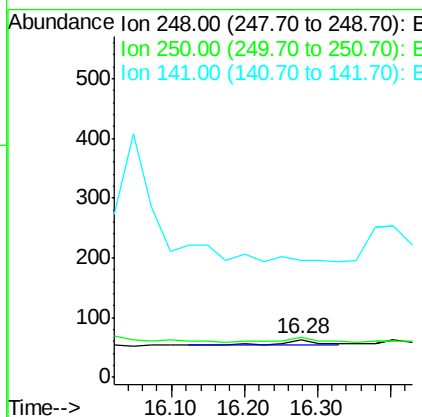
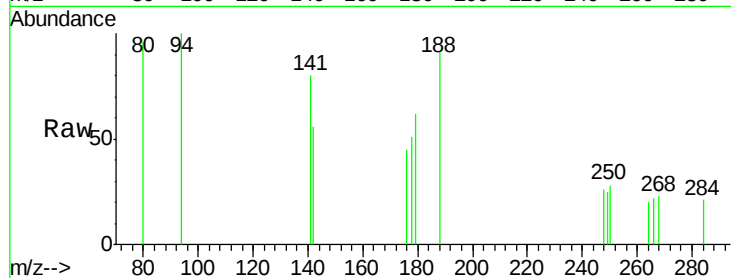




#20
4-Bromophenyl-phenylether
Concen: Below Cal
RT: 16.28 min Scan# 946
Delta R.T. 0.01 min
Lab File: BM003763.D
Acq: 24 Dec 2015 04:41

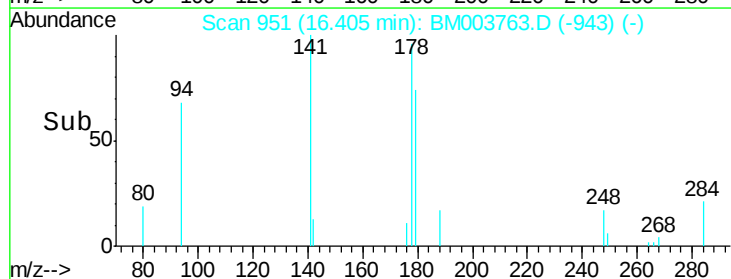
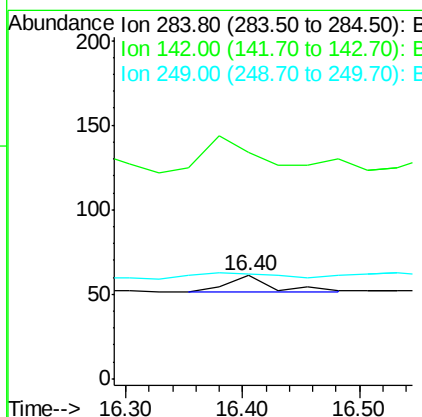
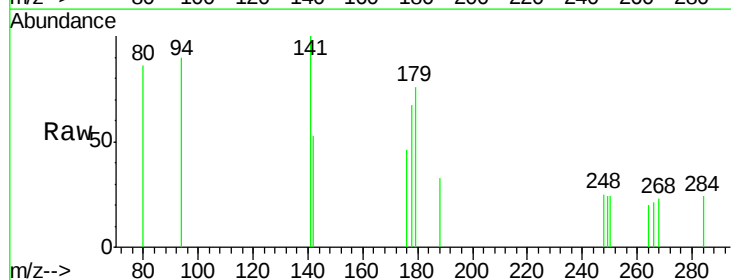
Instrument :
BNA_M
ClientSampled :

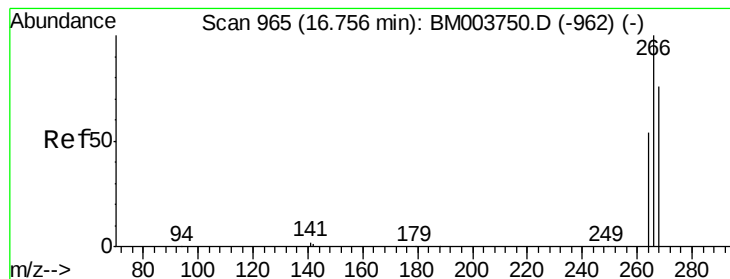
Tot Ion:248 Resp: 31
Ion Ratio Lower Upper
248 100
250 58.1 75.0 112.4#
141 0.0 53.0 79.4#



#21
Hexachlorobenzene
Concen: Below Cal
RT: 16.40 min Scan# 951
Delta R.T. 0.01 min
Lab File: BM003763.D
Acq: 24 Dec 2015 04:41

Tgt Ion:284 Resp: 28
Ion Ratio Lower Upper
284 100
142 0.0 0.0 0.0
249 0.0 21.5 32.3#





#22

Pentachlorophenol

Concen: 0.68 ng

RT: 16.74 min Scan# 964

Delta R.T. -0.02 min

Lab File: BM003763.D

Acq: 24 Dec 2015 04:41

Instrument :

BNA_M

ClientSampled :

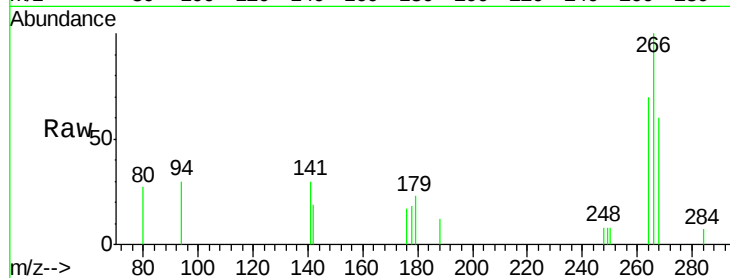
Tot Ion:266 Resp: 1552

Ion Ratio Lower Upper

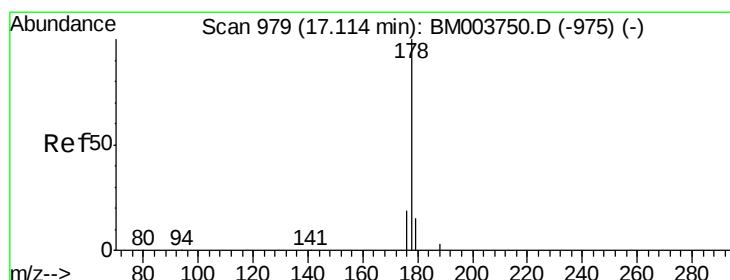
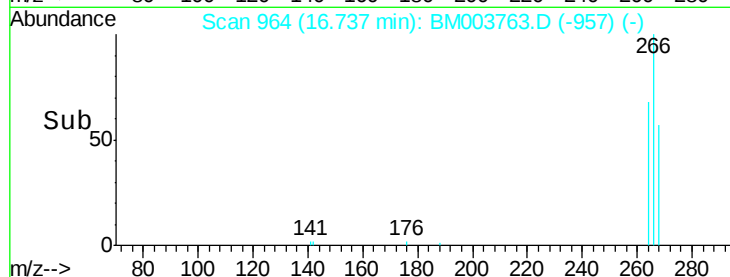
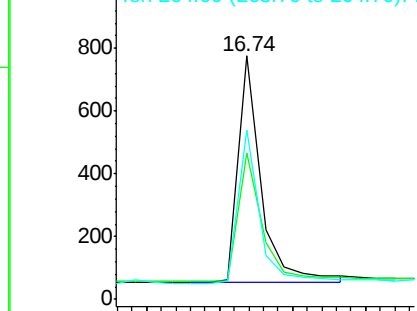
266 100

268 60.2 62.7 94.1#

264 69.6 45.7 68.5#



Abundance Ion 265.70 (265.40 to 266.40): E
Ion 268.00 (267.70 to 268.70): E
Ion 264.00 (263.70 to 264.70): E



#23

Phenanthrene

Concen: 0.62 ng

RT: 17.12 min Scan# 979

Delta R.T. 0.01 min

Lab File: BM003763.D

Acq: 24 Dec 2015 04:41

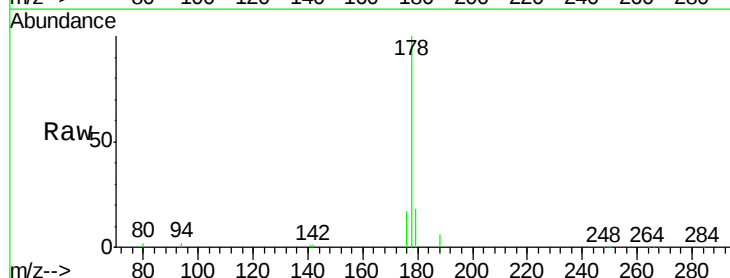
Tgt Ion:178 Resp: 54701

Ion Ratio Lower Upper

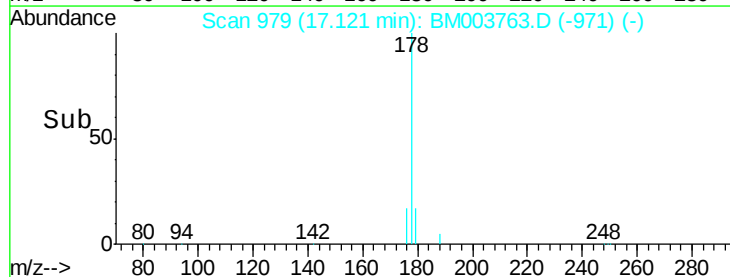
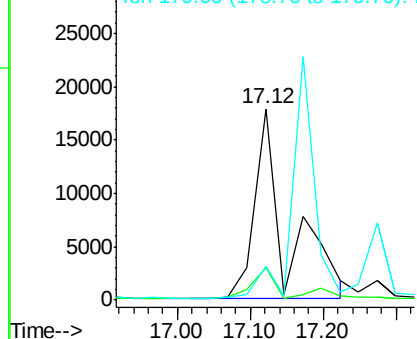
178 100

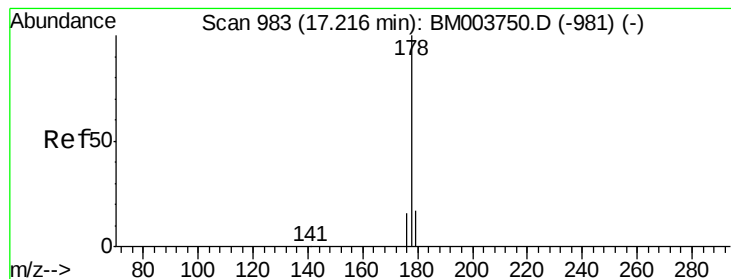
176 11.8 15.4 23.0#

179 0.0 12.2 18.4#



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

Anthracene

Concen: 0.88 ng

RT: 17.12 min Scan# 979

Delta R.T. -0.10 min

Lab File: BM003763.D

Acq: 24 Dec 2015 04:41

Instrument :

BNA_M

ClientSampleId :

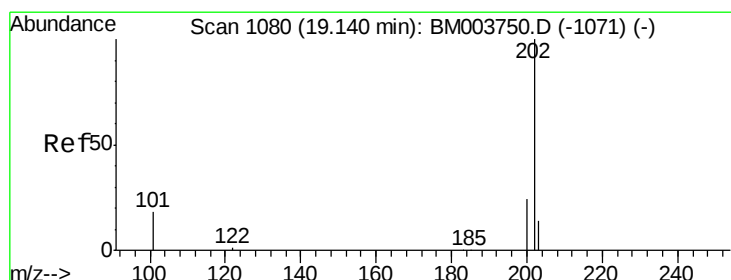
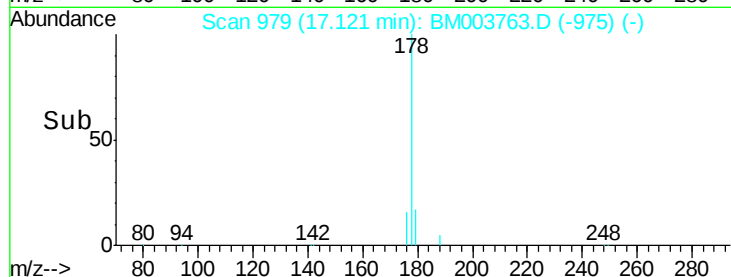
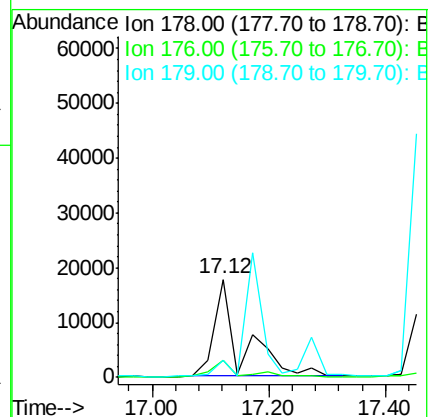
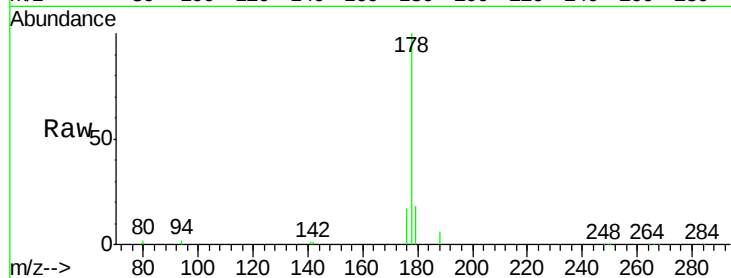
Tot Ion:178 Resp: 57333

Ion Ratio Lower Upper

178 100

176 10.3 14.6 21.8#

179 0.0 12.6 19.0#



#25

Fluoranthene

Concen: 0.07 ng

RT: 19.15 min Scan# 1080

Delta R.T. 0.01 min

Lab File: BM003763.D

Acq: 24 Dec 2015 04:41

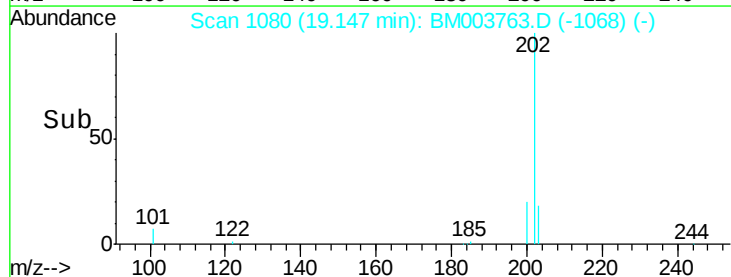
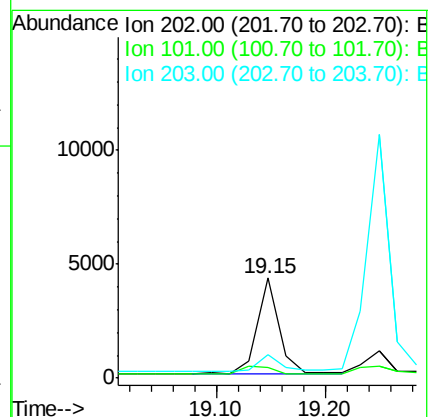
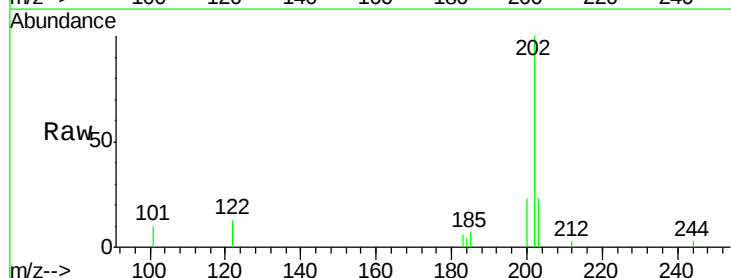
Tgt Ion:202 Resp: 5845

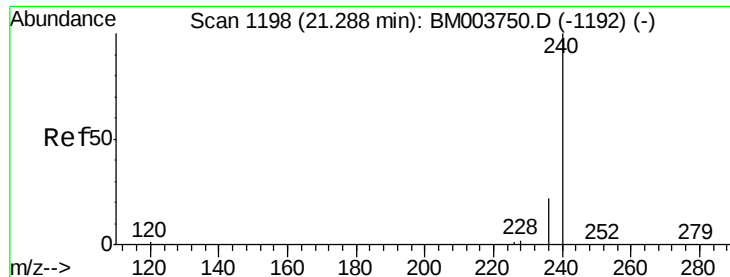
Ion Ratio Lower Upper

202 100

101 12.3 9.7 14.5

203 17.9 13.8 20.8

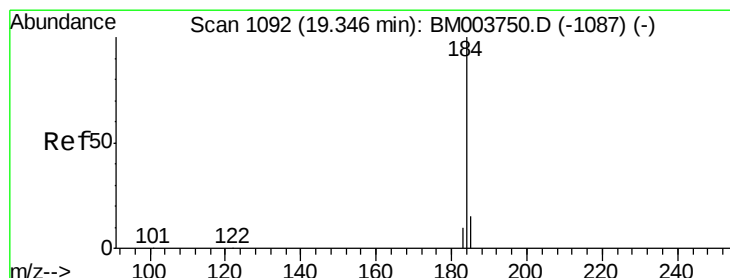
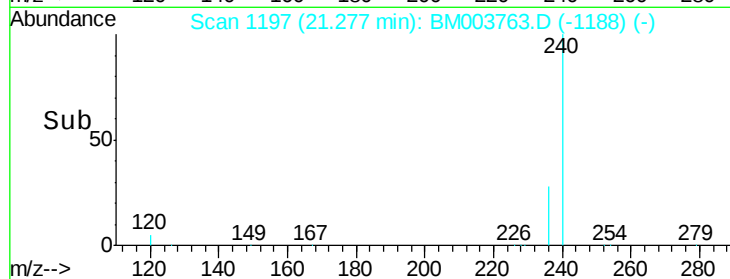
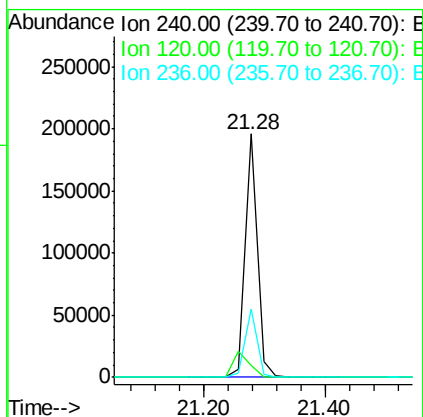
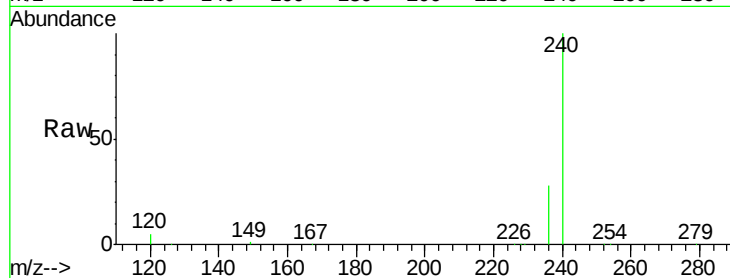




#26
 Chrysene-d12
 Concen: 5.00 ng
 RT: 21.28 min Scan# 1197
 Delta R.T. -0.01 min
 Lab File: BM003763.D
 Acq: 24 Dec 2015 04:41

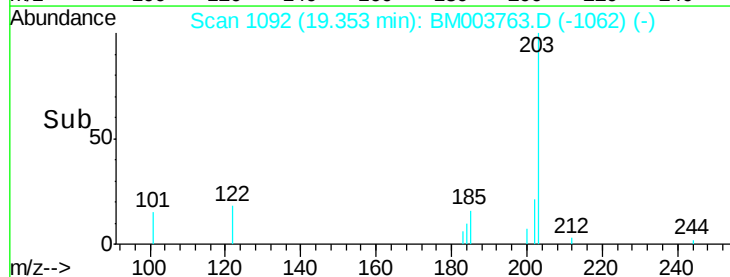
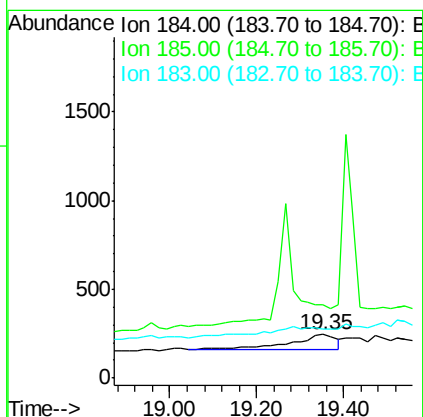
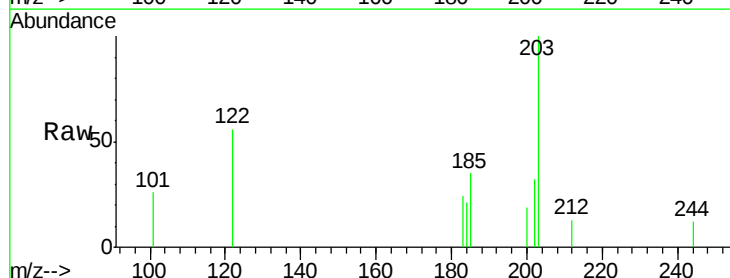
Instrument :
 BNA_M
 ClientSampleId :

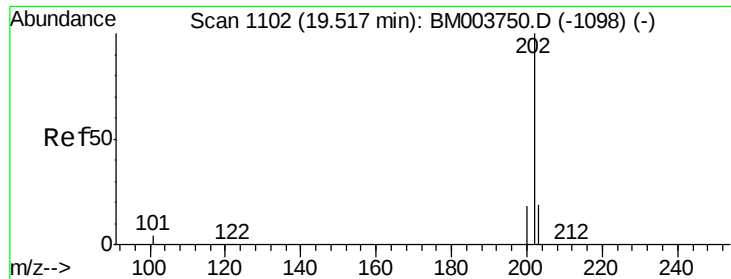
Tot Ion:240 Resp: 266329
 Ion Ratio Lower Upper
 240 100
 120 5.0 0.9 1.3#
 236 27.9 17.3 25.9#



#27
 Benzidine
 Concen: 0.54 ng
 RT: 19.35 min Scan# 1092
 Delta R.T. 0.01 min
 Lab File: BM003763.D
 Acq: 24 Dec 2015 04:41

Tgt Ion:184 Resp: 693
 Ion Ratio Lower Upper
 184 100
 185 167.2 13.2 19.8#
 183 113.0 9.0 13.6#





#28

Pvrene

Concen: 0.04 ng

RT: 19.51 min Scan# 1101

Delta R.T. -0.01 min

Lab File: BM003763.D

Acq: 24 Dec 2015 04:41

Instrument :

BNA_M

ClientSampleId :

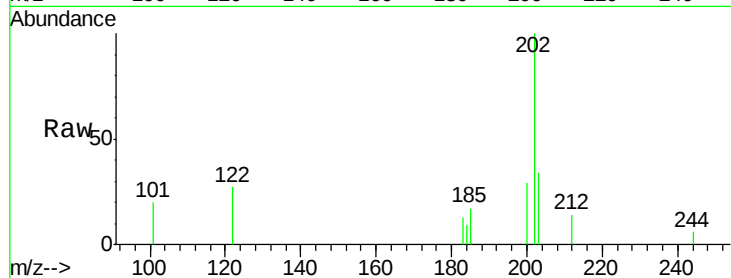
Tot Ion:202 Resp: 3256

Ion Ratio Lower Upper

202 100

200 21.9 16.6 24.8

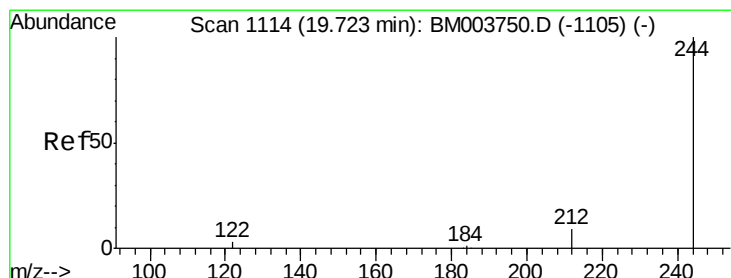
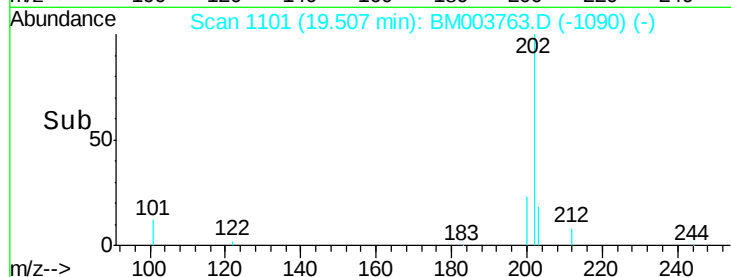
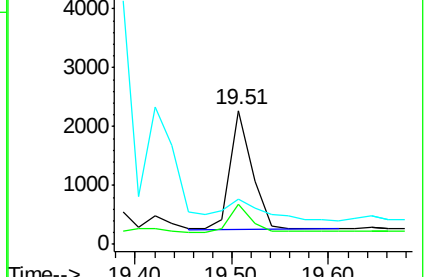
203 30.0 14.0 21.0#



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



#29

Terphenyl-d14

Concen: 3.93 ng

RT: 19.71 min Scan# 1113

Delta R.T. -0.01 min

Lab File: BM003763.D

Acq: 24 Dec 2015 04:41

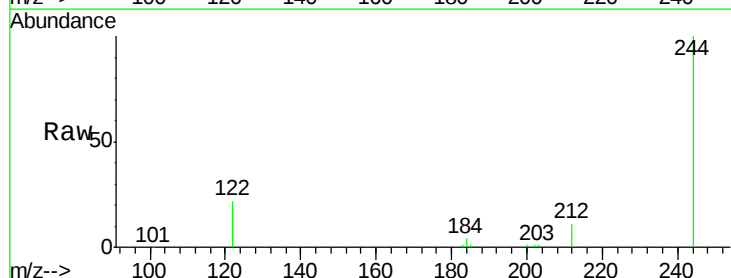
Tgt Ion:244 Resp: 165658

Ion Ratio Lower Upper

244 100

212 11.4 7.0 10.6#

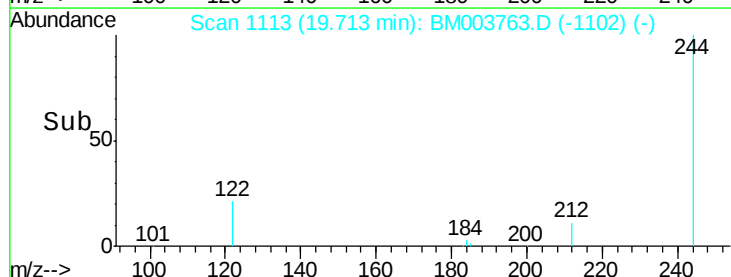
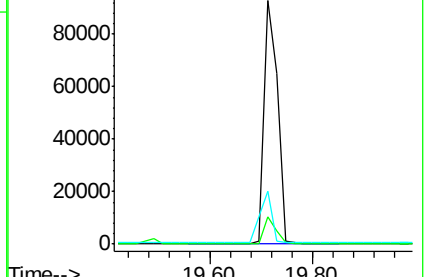
122 21.8 3.0 4.6#

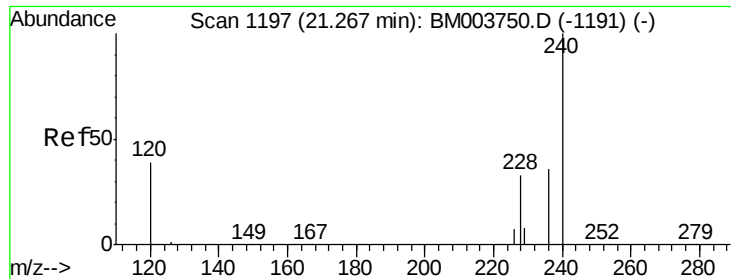


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#30

Benzo(a)anthracene

Concen: 0.04 ng

RT: 21.28 min Scan# 1197

Delta R.T. 0.01 min

Lab File: BM003763.D

Acq: 24 Dec 2015 04:41

Instrument :

BNA_M

ClientSampleId :

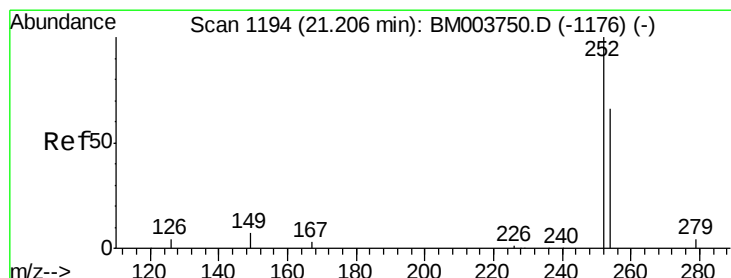
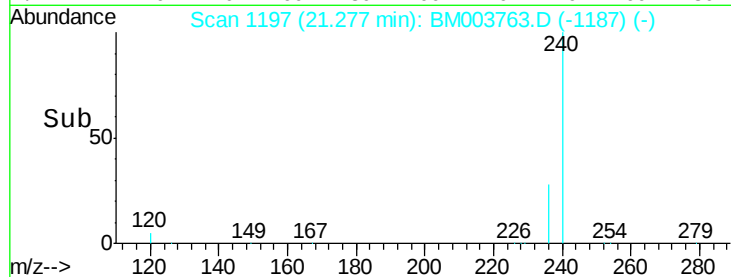
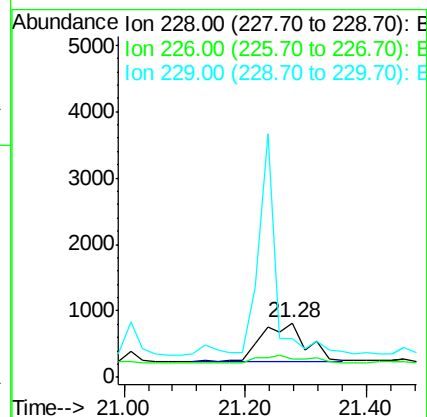
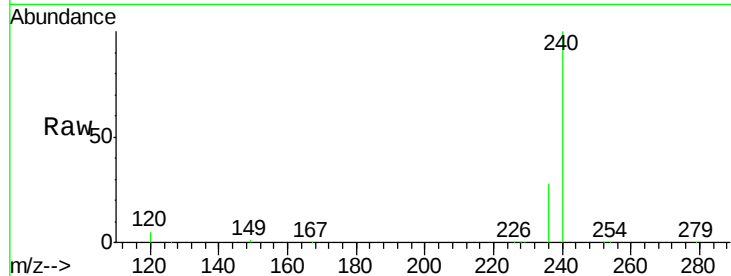
Tot Ion:228 Resp: 3073

Ion Ratio Lower Upper

228 100

226 33.4 17.2 25.8#

229 70.7 18.7 28.1#



#31

3,3'-Dichlorobenzidine

Concen: 0.30 ng

RT: 21.20 min Scan# 1193

Delta R.T. -0.01 min

Lab File: BM003763.D

Acq: 24 Dec 2015 04:41

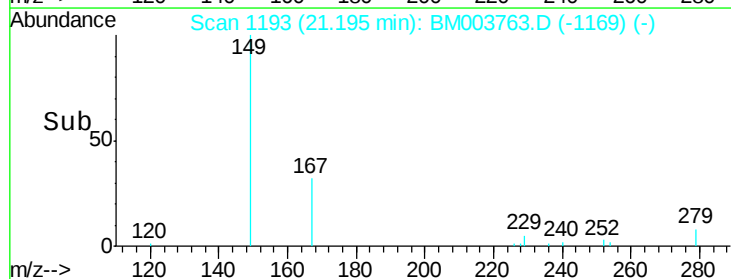
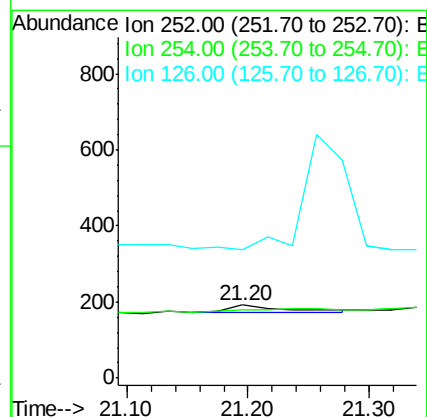
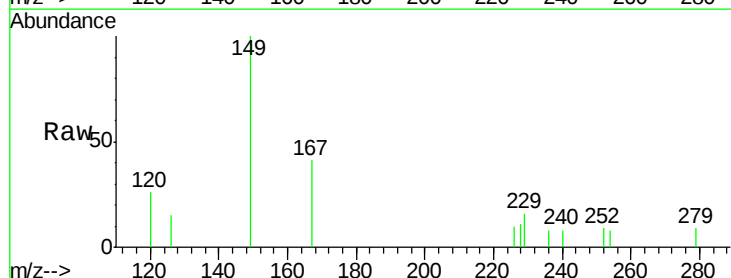
Tgt Ion:252 Resp: 68

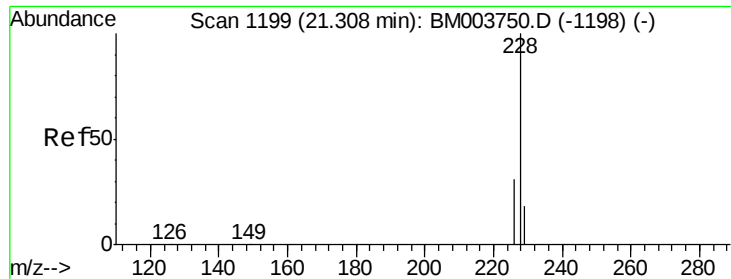
Ion Ratio Lower Upper

252 100

254 93.8 52.6 79.0#

126 176.0 3.7 5.5#





#32

Chrysene

Concen: 0.04 ng

RT: 21.28 min Scan# 1197

Delta R.T. -0.03 min

Lab File: BM003763.D

Acq: 24 Dec 2015 04:41

Instrument :

BNA_M

ClientSampleId :

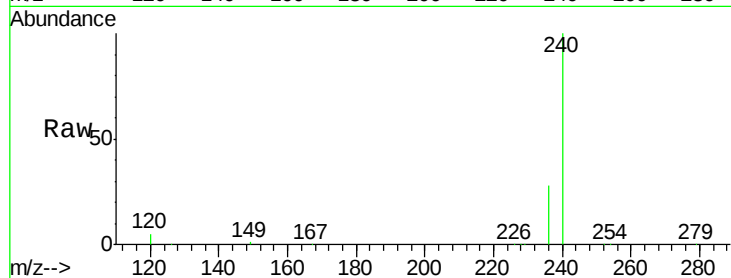
Tot Ion:228 Resp: 2997

Ion Ratio Lower Upper

228 100

226 33.4 25.3 37.9

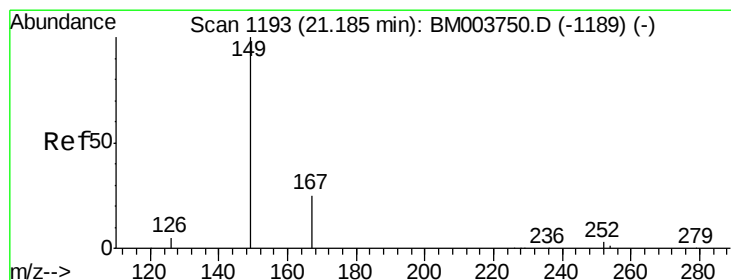
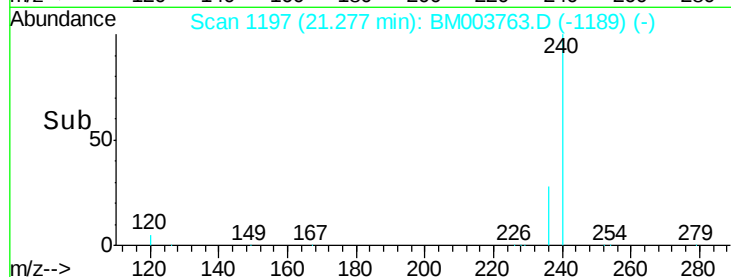
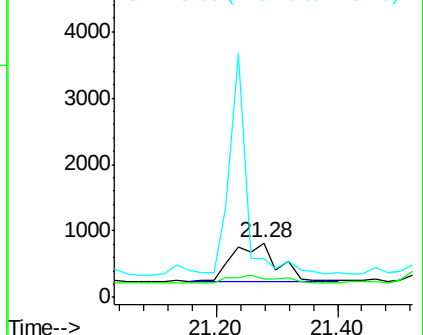
229 70.7 14.5 21.7#



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



#33

Bis(2-ethylhexyl)phthalate

Concen: 0.29 ng

RT: 21.17 min Scan# 1192

Delta R.T. -0.01 min

Lab File: BM003763.D

Acq: 24 Dec 2015 04:41

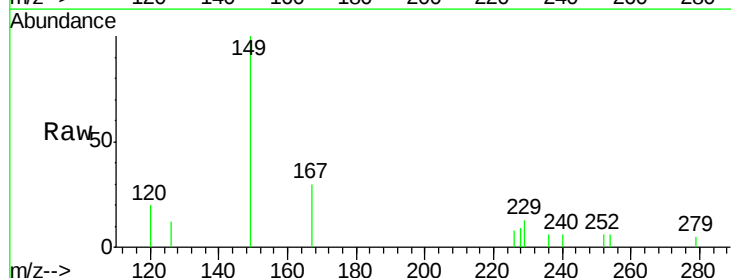
Tgt Ion:149 Resp: 3650

Ion Ratio Lower Upper

149 100

167 0.0 20.1 30.1#

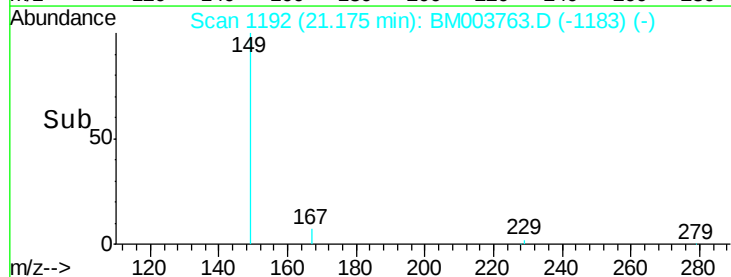
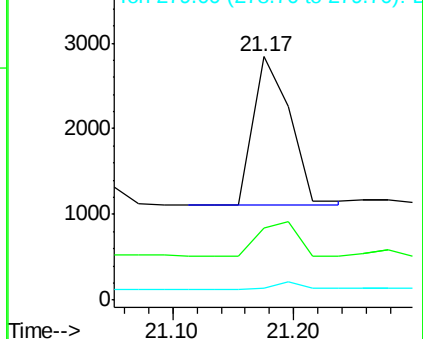
279 0.0 0.0 0.0

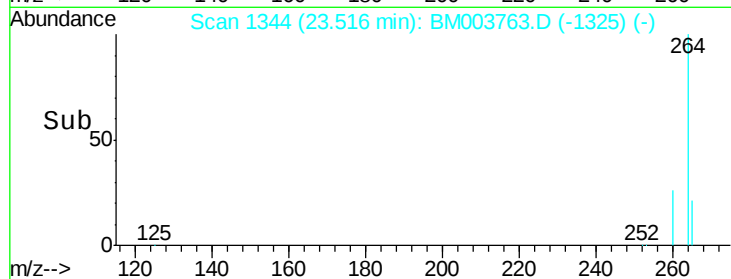
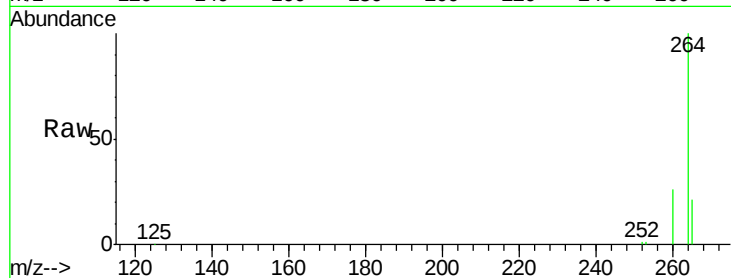
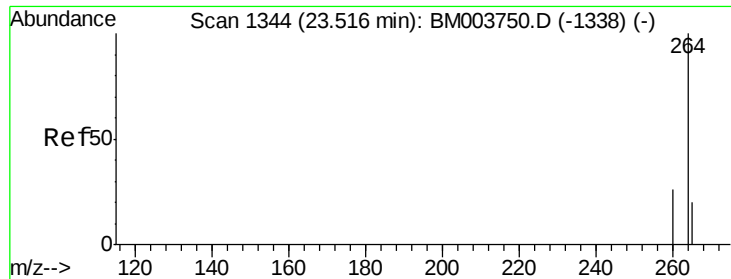


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E





#35

Pervlene-d12

Concen: 5.00 ng

RT: 23.52 min Scan# 1344

Delta R.T. 0.00 min

Lab File: BM003763.D

Acq: 24 Dec 2015 04:41

Instrument :

BNA_M

ClientSampleId :

Tot Ion: 264 Resp: 197112

Ion Ratio Lower Upper

264 100

260 26.0 21.2 31.8

265 21.2 16.7 25.1

