

Data Path : Z:\HPCHEM1\BNA M\DATA\BM110515\
 Data File : BM003067.D
 Acq On : 05 Nov 2015 16:57
 Operator : UM/IZ
 Sample : G4259-04
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 FB-01-110315

Quant Time: Nov 17 13:07:15 2015
 Quant Method : Z:\HPCHEM1\BNA M\METHODS\8270-SIM-BM110415.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Nov 17 12:50:51 2015
 Response via : Initial Calibration

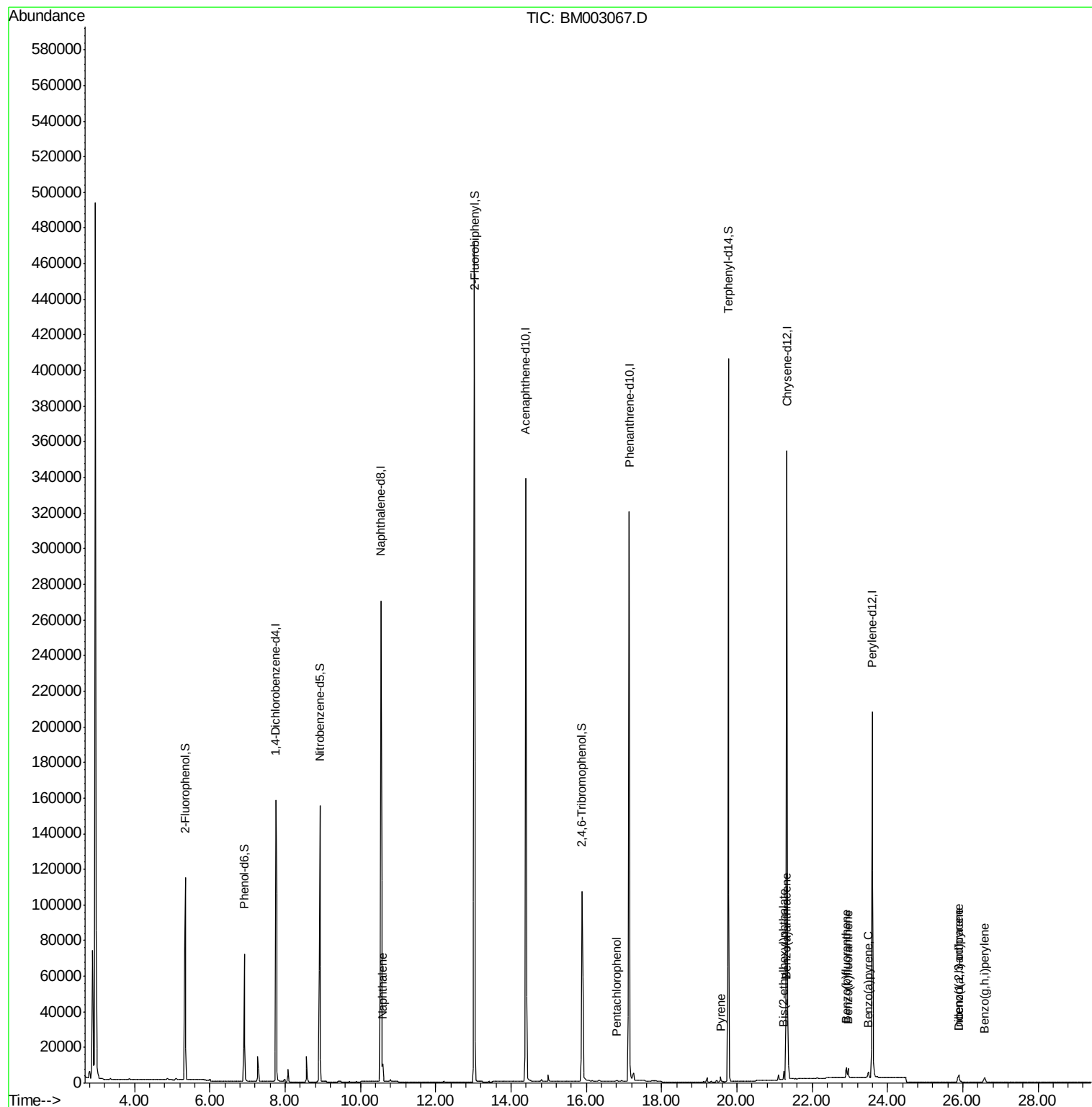
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.76	152	91900	5.00	ng	0.00
7) Naphthalene-d8	10.55	136	375566	5.00	ng	0.00
13) Acenaphthene-d10	14.39	164	196964	5.00	ng	0.00
19) Phenanthrene-d10	17.14	188	483382	5.00	ng	0.00
26) Chrysene-d12	21.33	240	360184	5.00	ng	0.00
35) Perylene-d12	23.60	264	272218	5.00	ng	0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.35	112	109190	5.61	ng	0.00
5) Phenol-d6	6.92	99	79335	3.50	ng	0.00
8) Nitrobenzene-d5	8.92	82	144722	8.36	ng	0.00
14) 2,4,6-Tribromophenol	15.88	330	95275	18.68	ng	0.00
15) 2-Fluorobiphenyl	13.03	172	471043	7.59	ng	0.00
29) Terphenyl-d14	19.77	244	456628	8.80	ng	0.00
Target Compounds						
10) Naphthalene	10.60	128	13373	0.17	ng	Qvalue 98
22) Pentachlorophenol	16.81	266	294	0.22	ng	# 78
28) Pyrene	19.57	202	3018	0.03	ng	97
30) Benzo(a)anthracene	21.31	228	8761	0.12	ng	# 89
33) Bis(2-ethylhexyl)phthalate	21.25	149	5146	0.36	ng	# 93
34) Indeno(1,2,3-cd)pyrene	25.89	276	5314	0.11	ng	# 85
36) Benzo(b)fluoranthene	22.91	252	7637	0.06	ng	# 82
37) Benzo(k)fluoranthene	22.96	252	6620	0.05	ng	# 80
38) Benzo(a)pyrene	23.50	252	4597	0.07	ng	# 65
39) Dibenzo(a,h)anthracene	25.90	278	4175	0.06	ng	# 82
40) Benzo(g,h,i)perylene	26.58	276	5002	0.07	ng	# 90

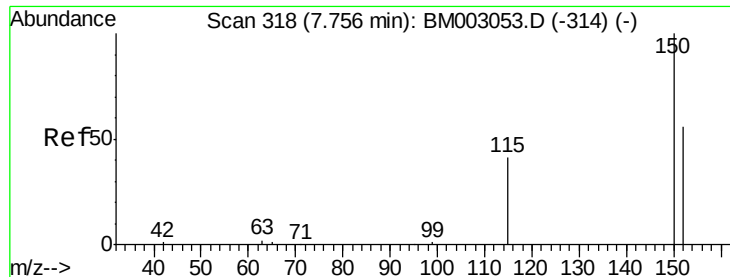
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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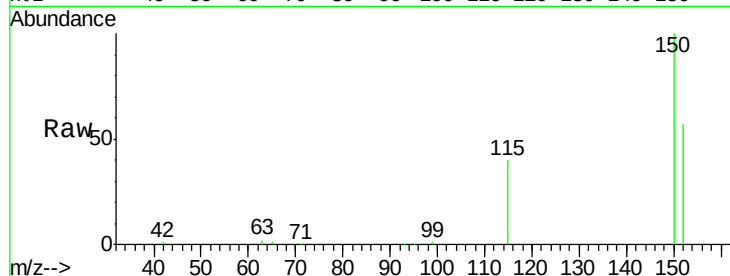


#1

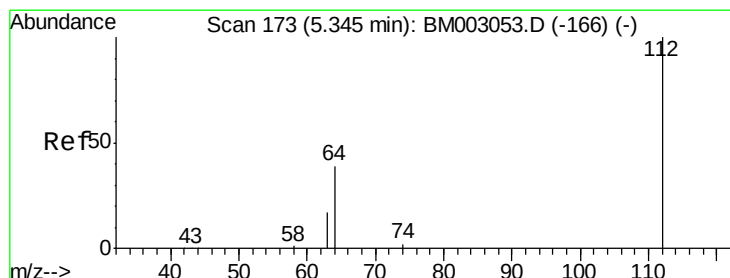
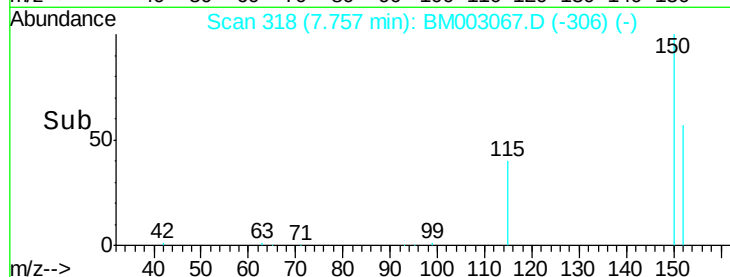
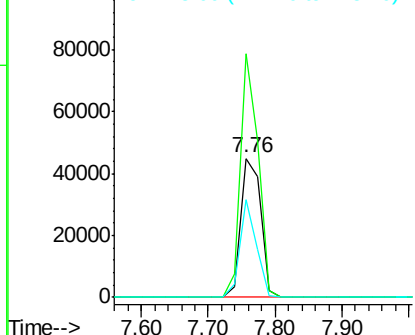
1,4-Dichlorobenzene-d4
Concen: 5.00 ng
RT: 7.76 min Scan# 318
Delta R.T. 0.00 min
Lab File: BM003067.D
Acq: 05 Nov 2015 16:57

Instrument :
BNA_M
ClientSampleId :
FB-01-110315

Tot Ion:152 Resp: 91900
Ion Ratio Lower Upper
152 100
150 175.0 143.6 215.4
115 70.2 58.5 87.7



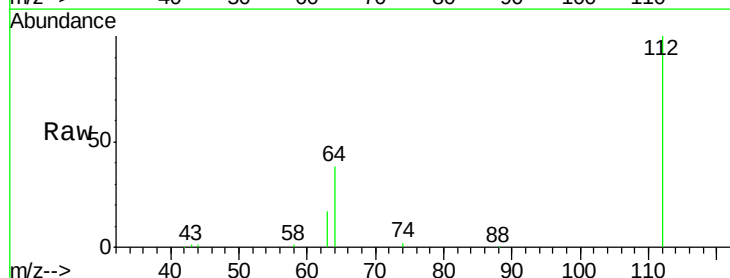
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



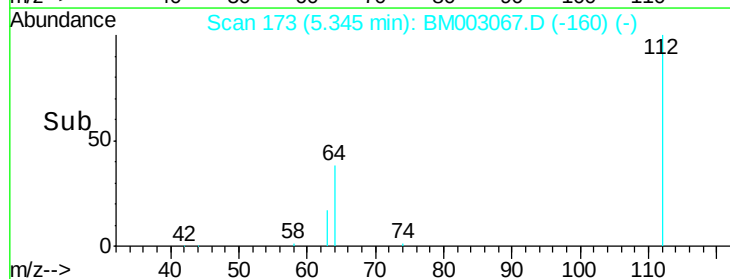
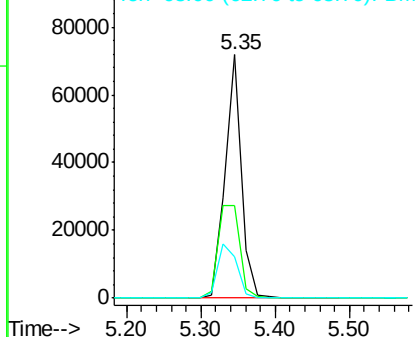
#4

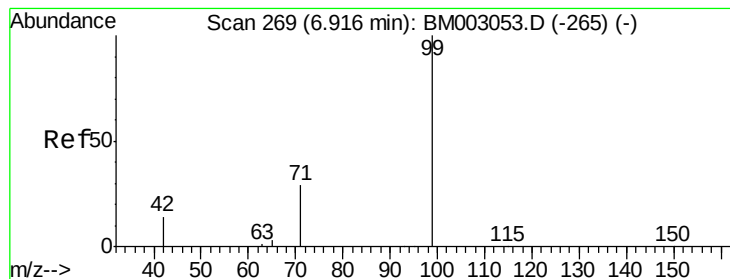
2-Fluorophenol
Concen: 5.61 ng
RT: 5.35 min Scan# 173
Delta R.T. 0.00 min
Lab File: BM003067.D
Acq: 05 Nov 2015 16:57

Tgt Ion:112 Resp: 109190
Ion Ratio Lower Upper
112 100
64 50.8 41.2 61.8
63 26.3 21.2 31.8



Abundance Ion 112.00 (111.70 to 112.70): E
Ion 64.00 (63.70 to 64.70): BM0
Ion 63.00 (62.70 to 63.70): BM0





#5

Phenol-d6

Concen: 3.50 ng

RT: 6.92 min Scan# 269

Delta R.T. 0.00 min

Lab File: BM003067.D

Acq: 05 Nov 2015 16:57

Instrument :

BNA_M

ClientSampleId :

FB-01-110315

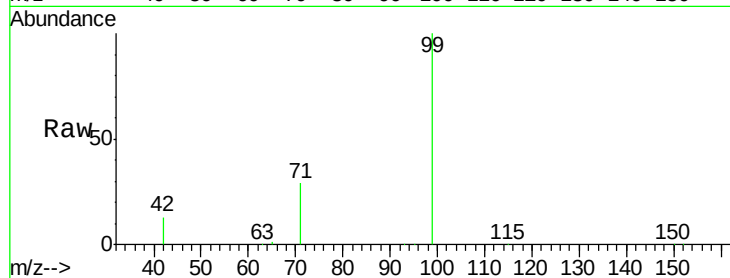
Tot Ion: 99 Resp: 79335

Ion Ratio Lower Upper

99 100

42 16.9 14.6 22.0

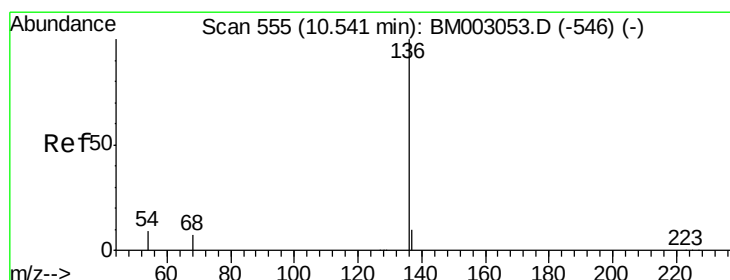
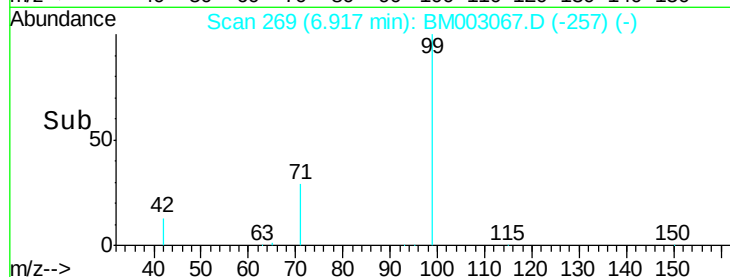
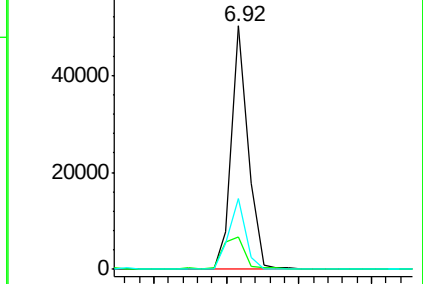
71 29.1 23.3 34.9



Abundance Ion 99.00 (98.70 to 99.70): BM003053.D (-265) (-)

Ion 42.00 (41.70 to 42.70): BM003053.D (-265) (-)

Ion 71.00 (70.70 to 71.70): BM003053.D (-265) (-)



#7

Naphthalene-d8

Concen: 5.00 ng

RT: 10.55 min Scan# 556

Delta R.T. 0.00 min

Lab File: BM003067.D

Acq: 05 Nov 2015 16:57

Tgt Ion: 136 Resp: 375566

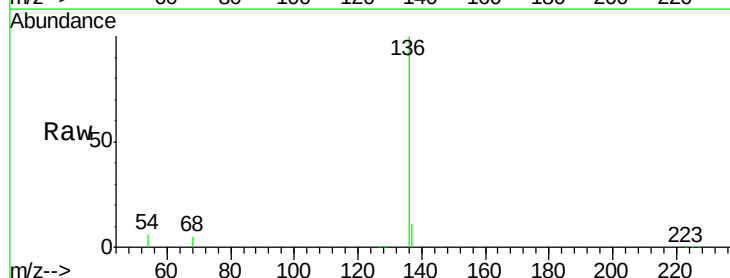
Ion Ratio Lower Upper

136 100

137 10.6 8.0 12.0

54 6.4 7.4 11.0#

68 5.4 5.8 8.6#

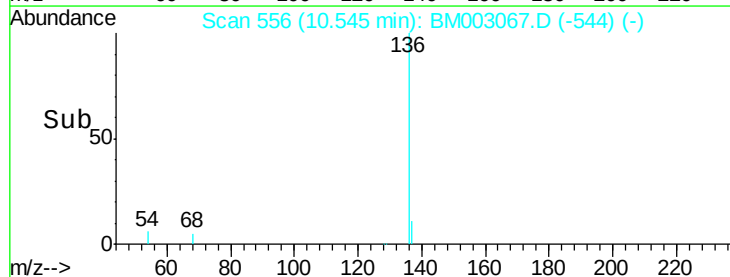
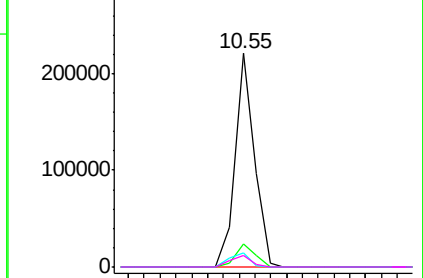


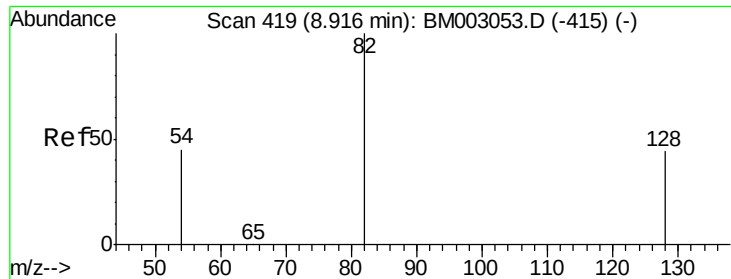
Abundance Ion 136.00 (135.70 to 136.70): BM003053.D (-546) (-)

Ion 137.00 (136.70 to 137.70): BM003053.D (-546) (-)

Ion 54.00 (53.70 to 54.70): BM003053.D (-546) (-)

Ion 68.00 (67.70 to 68.70): BM003053.D (-546) (-)





#8

Nitrobenzene-d5

Concen: 8.36 ng

RT: 8.92 min Scan# 420

Delta R.T. 0.00 min

Lab File: BM003067.D

Acq: 05 Nov 2015 16:57

Instrument :

BNA_M

ClientSampleId :

FB-01-110315

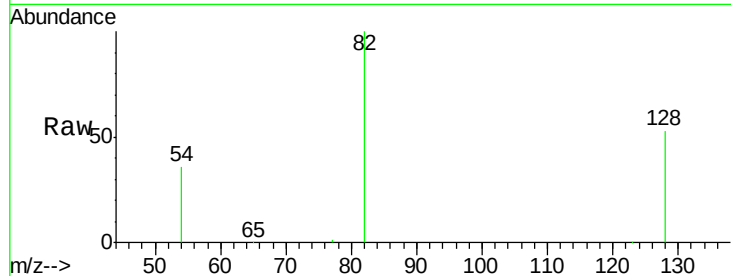
Tot Ion: 82 Resp: 144722

Ion Ratio Lower Upper

82 100

128 52.9 35.2 52.8#

54 36.2 36.4 54.6#

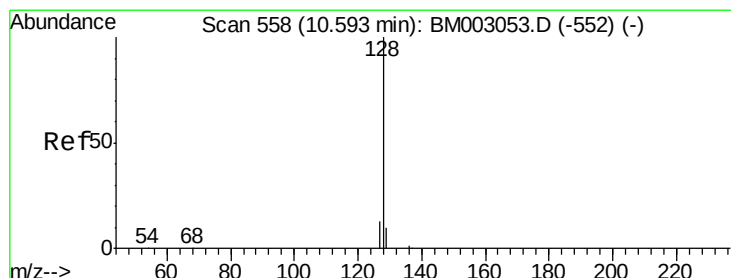
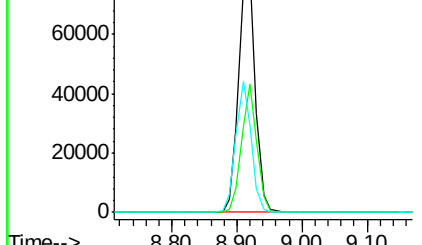
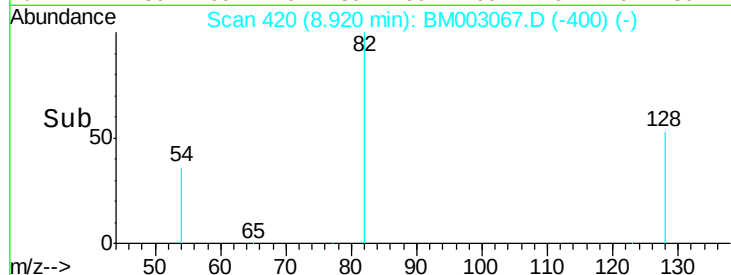


Abundance Ion 82.00 (81.70 to 82.70): BM003067.D (-420) (-)

Ion 128.00 (127.70 to 128.70): BM003067.D (-420) (-)

Ion 54.00 (53.70 to 54.70): BM003067.D (-420) (-)

Time-->



#10

Naphthalene

Concen: 0.17 ng

RT: 10.60 min Scan# 559

Delta R.T. 0.00 min

Lab File: BM003067.D

Acq: 05 Nov 2015 16:57

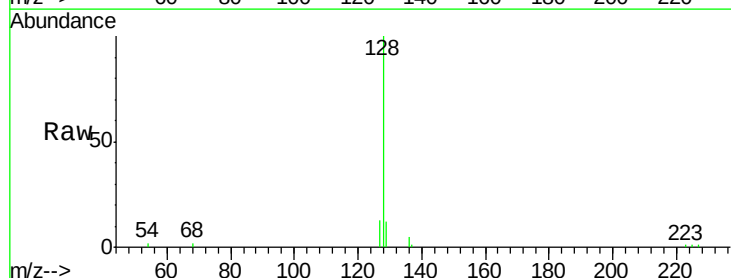
Tgt Ion: 128 Resp: 13373

Ion Ratio Lower Upper

128 100

129 12.2 8.5 12.7

127 13.0 10.6 16.0

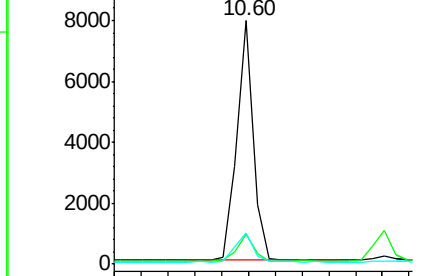
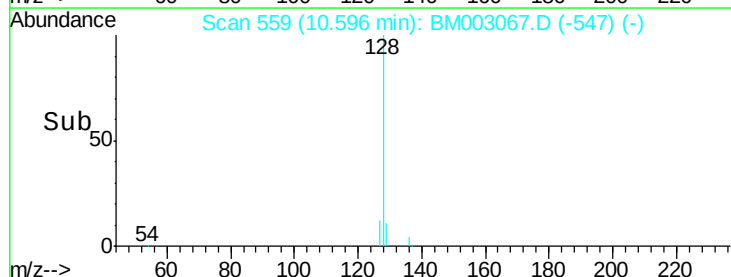


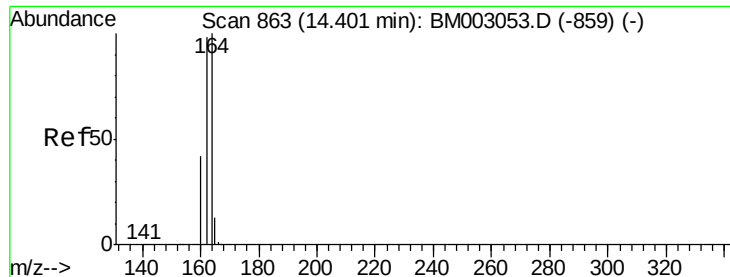
Abundance Ion 128.00 (127.70 to 128.70): BM003067.D (-559) (-)

Ion 129.00 (128.70 to 129.70): BM003067.D (-559) (-)

Ion 127.00 (126.70 to 127.70): BM003067.D (-559) (-)

Time-->





#13

Acenaphthene-d10

Concen: 5.00 ng

RT: 14.39 min Scan# 863

Delta R.T. -0.01 min

Lab File: BM003067.D

Acq: 05 Nov 2015 16:57

Instrument :

BNA_M

ClientSampleId :

FB-01-110315

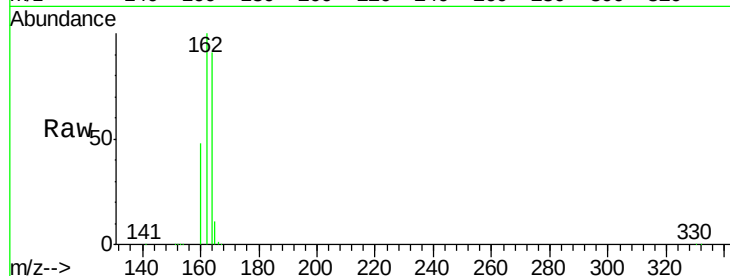
Tot Ion:164 Resp: 196964

Ion Ratio Lower Upper

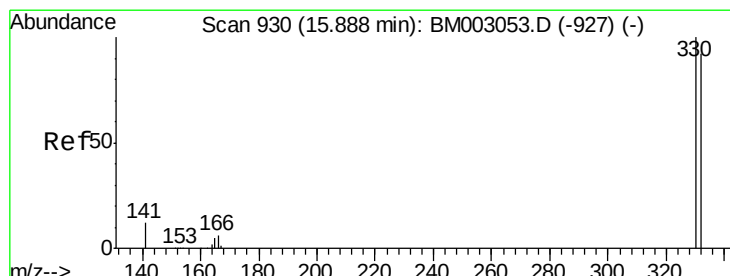
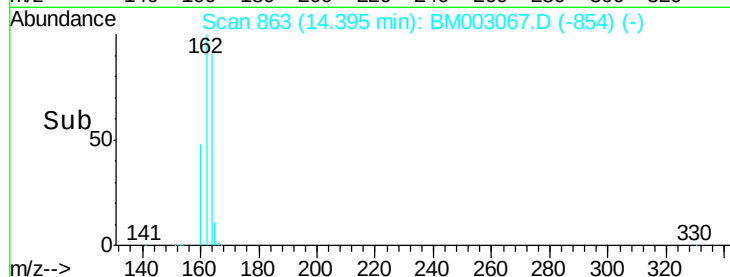
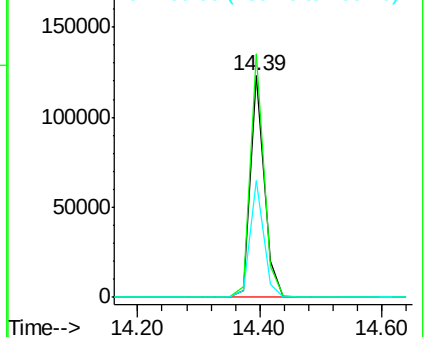
164 100

162 109.9 78.3 117.5

160 52.5 33.8 50.6#



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: 18.68 ng

RT: 15.88 min Scan# 930

Delta R.T. -0.01 min

Lab File: BM003067.D

Acq: 05 Nov 2015 16:57

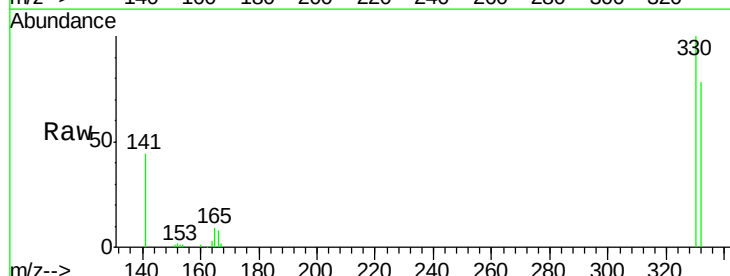
Tgt Ion:330 Resp: 95275

Ion Ratio Lower Upper

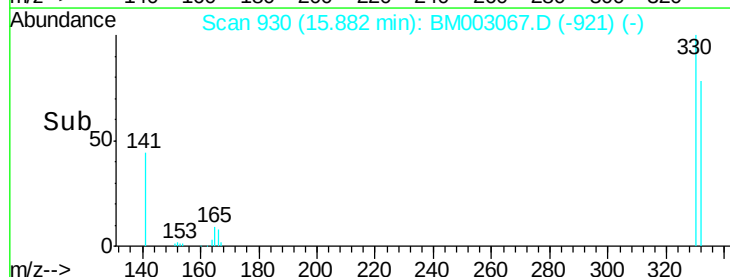
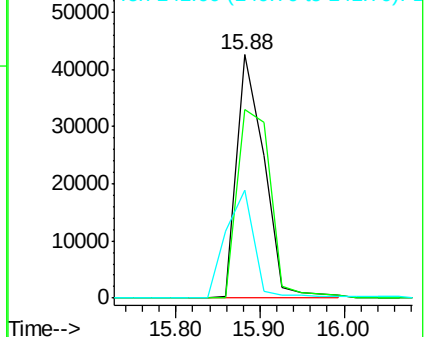
330 100

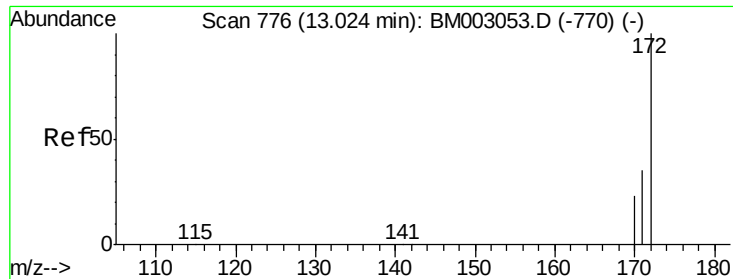
332 94.7 76.0 114.0

141 45.8 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

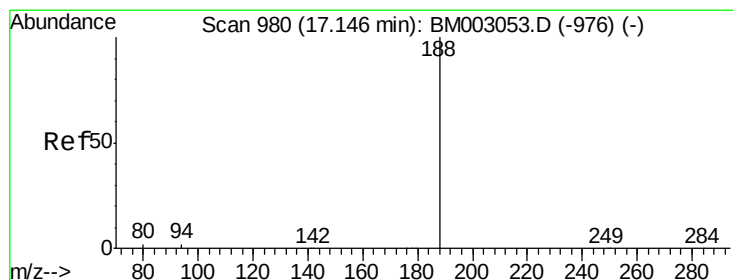
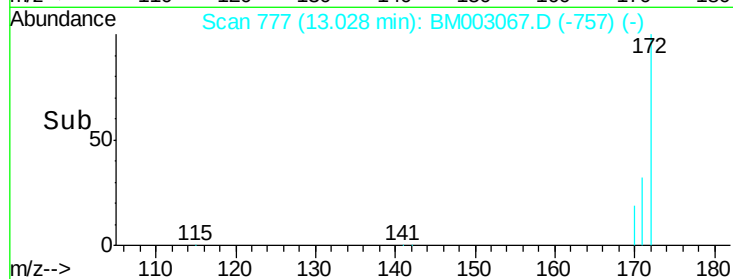
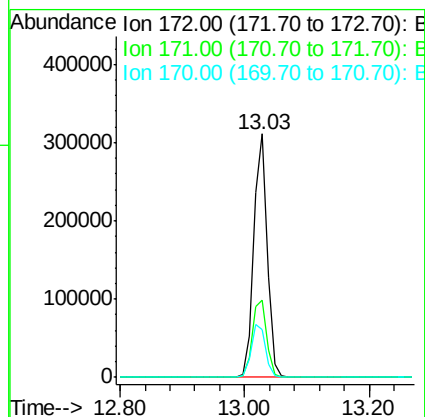
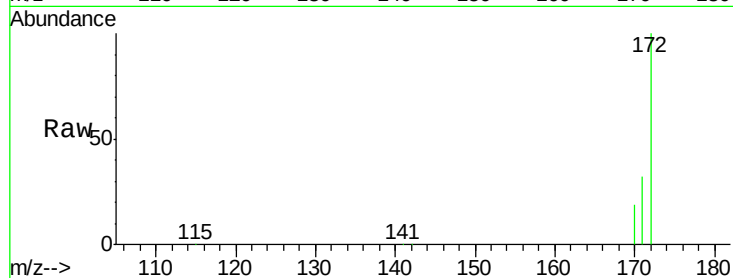




#15
2-Fluorobiphenyl
Concen: 7.59 ng
RT: 13.03 min Scan# 777
Delta R.T. 0.00 min
Lab File: BM003067.D
Acq: 05 Nov 2015 16:57

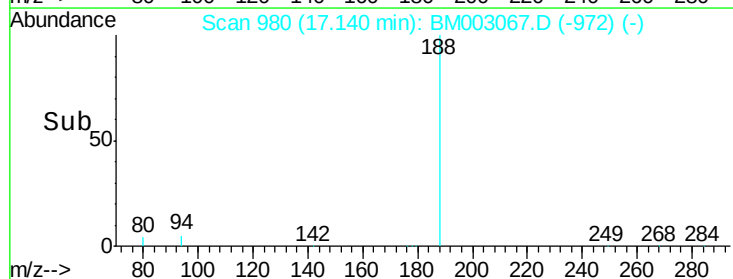
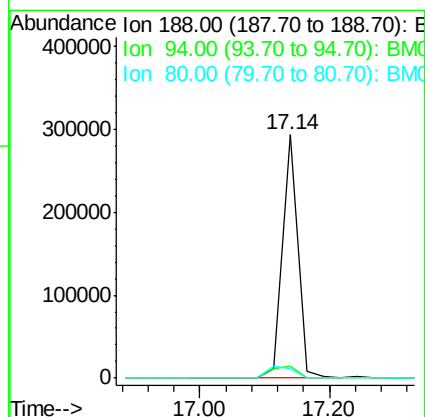
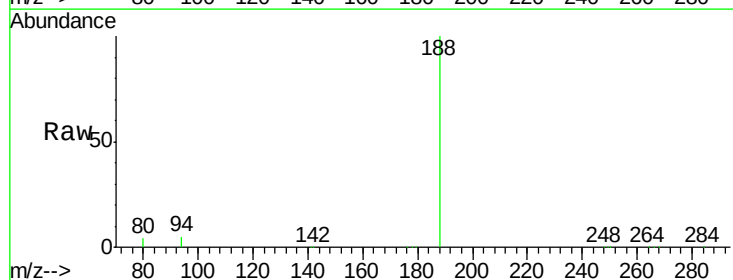
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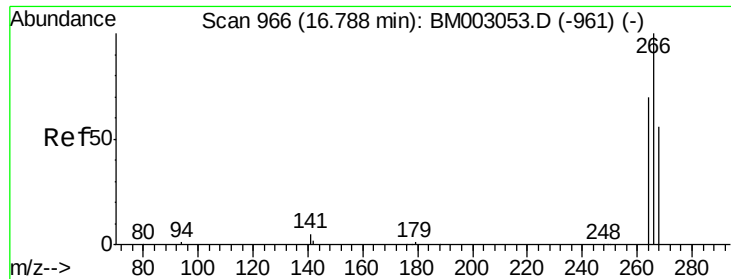
Tot Ion:172 Resp: 471043
Ion Ratio Lower Upper
172 100
171 31.7 28.0 42.0
170 19.5 18.9 28.3



#19
Phenanthrene-d10
Concen: 5.00 ng
RT: 17.14 min Scan# 980
Delta R.T. -0.01 min
Lab File: BM003067.D
Acq: 05 Nov 2015 16:57

Tgt Ion:188 Resp: 483382
Ion Ratio Lower Upper
188 100
94 4.7 1.8 2.6#
80 3.9 1.4 2.0#





#22

Pentachlorophenol

Concen: 0.22 na

RT: 16.81 min Scan# 967

Delta R.T. 0.02 min

Lab File: BM003067.D

Acq: 05 Nov 2015 16:57

Instrument :

BNA_M

ClientSampleId :

FB-01-110315

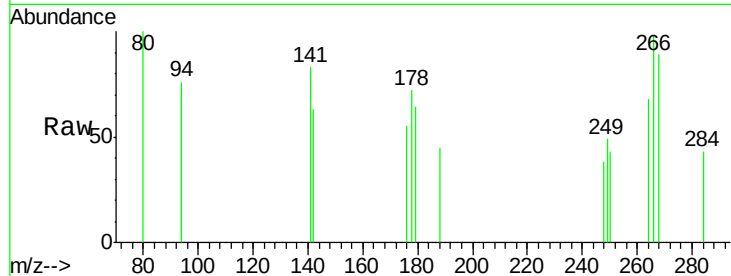
Tot Ion:266 Resp: 294

Ion Ratio Lower Upper

266 100

268 91.0 45.8 68.8#

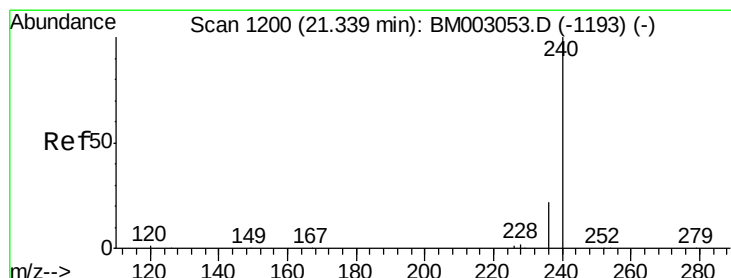
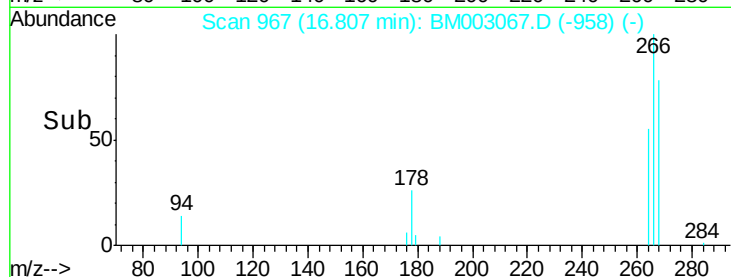
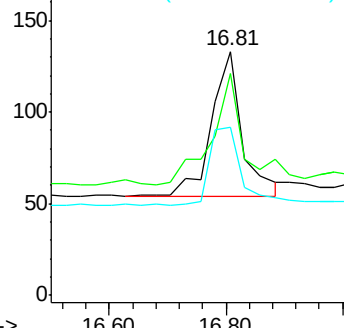
264 69.2 56.7 85.1



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



#26

Chrysene-d12

Concen: 5.00 ng

RT: 21.33 min Scan# 1200

Delta R.T. -0.01 min

Lab File: BM003067.D

Acq: 05 Nov 2015 16:57

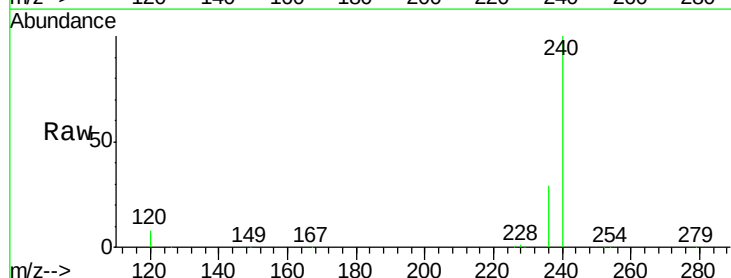
Tgt Ion:240 Resp: 360184

Ion Ratio Lower Upper

240 100

120 7.9 1.0 1.4#

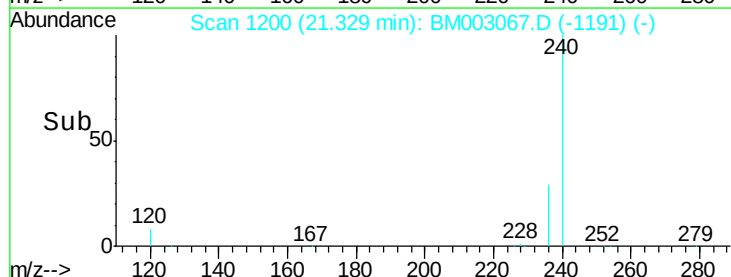
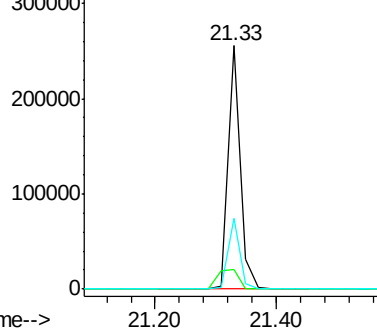
236 29.1 17.9 26.9#

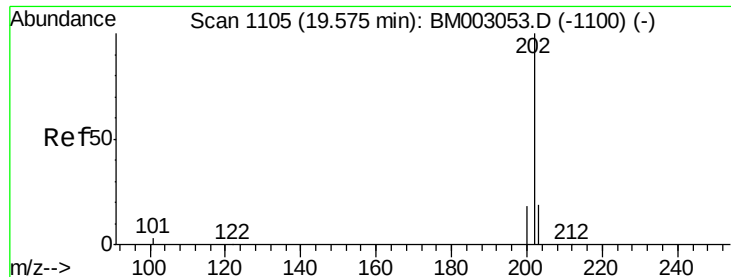


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#28

Pvrene

Concen: 0.03 ng

RT: 19.57 min Scan# 1105

Delta R.T. -0.01 min

Lab File: BM003067.D

Acq: 05 Nov 2015 16:57

Instrument :

BNA_M

ClientSampleId :

FB-01-110315

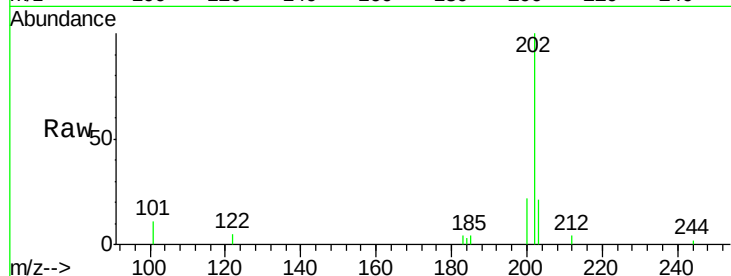
Tot Ion:202 Resp: 3018

Ion Ratio Lower Upper

202 100

200 20.7 16.7 25.1

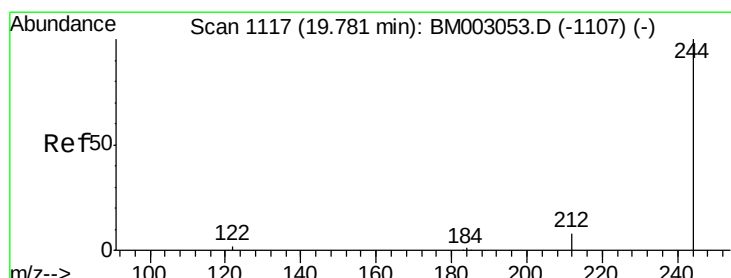
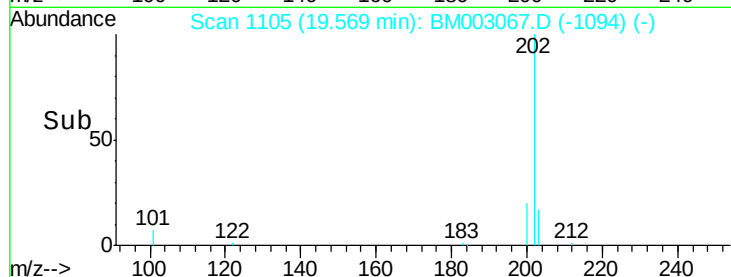
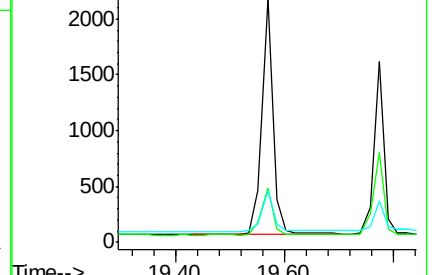
203 20.0 13.8 20.6



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: 8.80 ng

RT: 19.77 min Scan# 1117

Delta R.T. -0.01 min

Lab File: BM003067.D

Acq: 05 Nov 2015 16:57

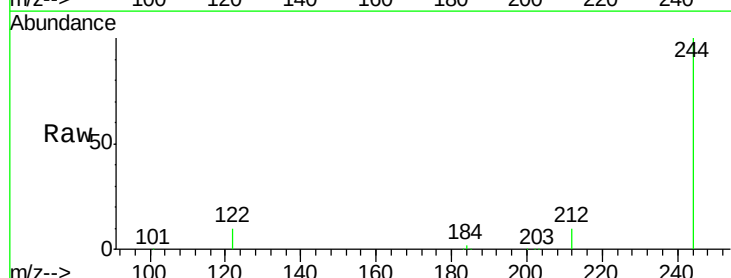
Tgt Ion:244 Resp: 456628

Ion Ratio Lower Upper

244 100

212 9.9 6.5 9.7#

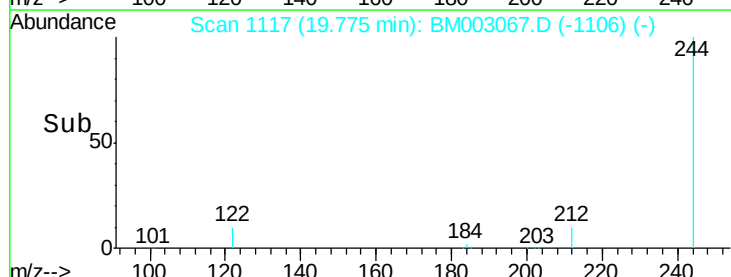
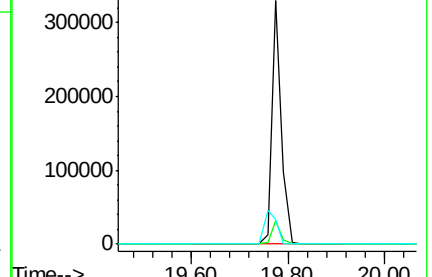
122 10.1 2.0 3.0#

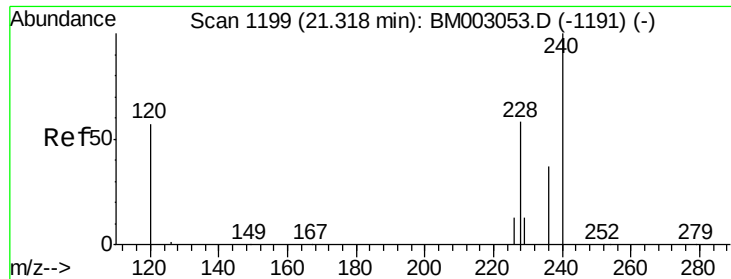


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#30

Benzo(a)anthracene

Concen: 0.12 ng

RT: 21.31 min Scan# 1199

Delta R.T. -0.01 min

Lab File: BM003067.D

Acq: 05 Nov 2015 16:57

Instrument :

BNA_M

ClientSampleId :

FB-01-110315

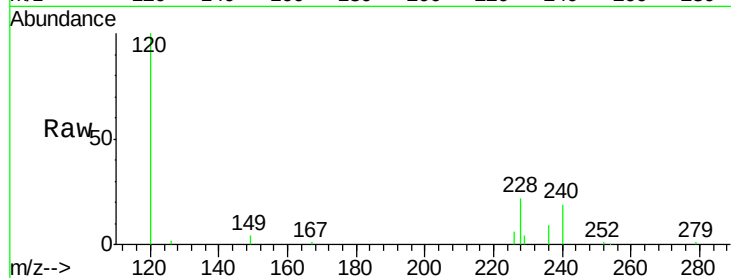
Tot Ion:228 Resp: 8761

Ion Ratio Lower Upper

228 100

226 29.6 17.8 26.6#

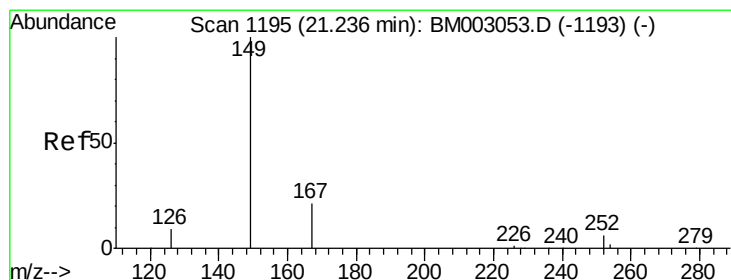
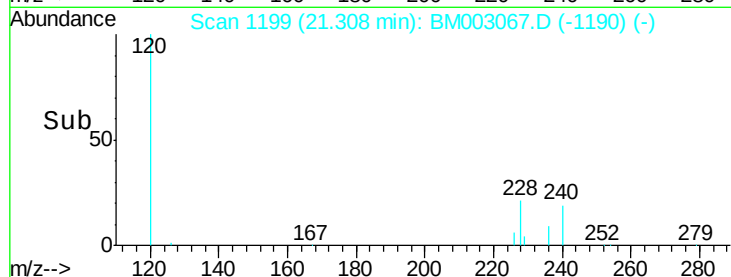
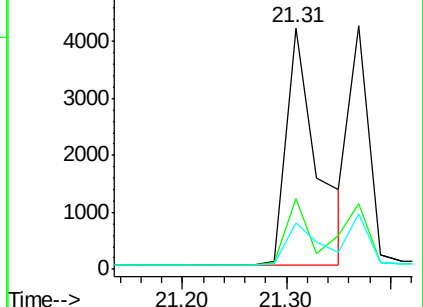
229 19.3 18.0 27.0



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



#33

Bis(2-ethylhexyl)phthalate

Concen: 0.36 ng

RT: 21.25 min Scan# 1196

Delta R.T. 0.01 min

Lab File: BM003067.D

Acq: 05 Nov 2015 16:57

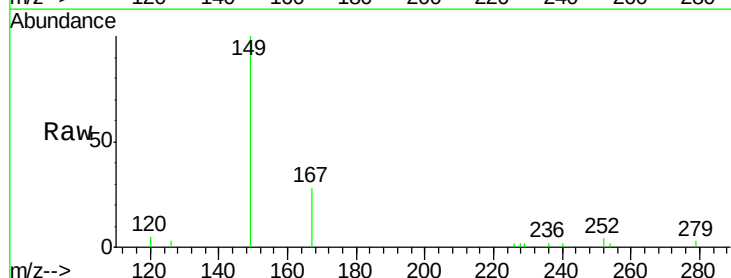
Tgt Ion:149 Resp: 5146

Ion Ratio Lower Upper

149 100

167 28.1 19.6 29.4

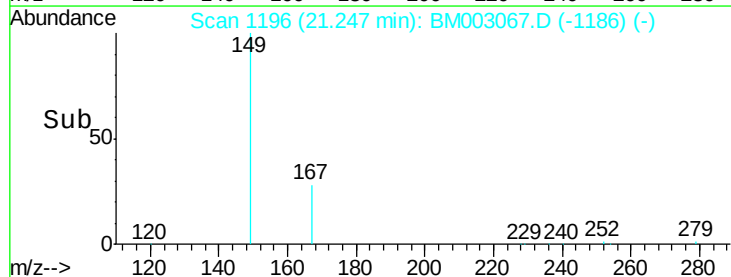
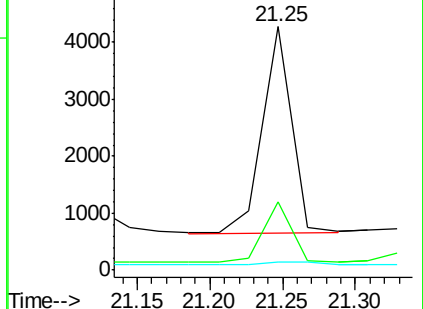
279 0.0 0.0 0.0

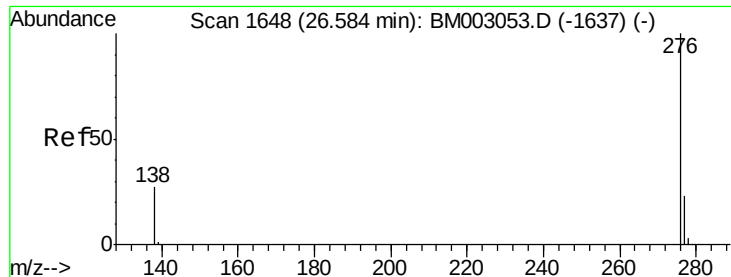


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E





#34

Indeno(1,2,3-cd)pyrene

Concen: 0.11 ng

RT: 25.89 min Scan# 1581

Delta R.T. 0.00 min

Lab File: BM003067.D

Acq: 05 Nov 2015 16:57

Instrument :

BNA_M

ClientSampleId :

FB-01-110315

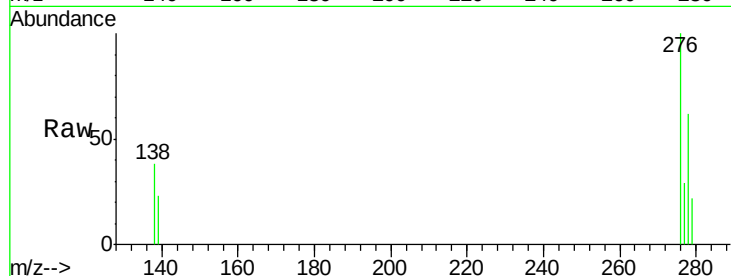
Tot Ion:276 Resp: 5314

Ion Ratio Lower Upper

276 100

138 32.5 19.1 28.7#

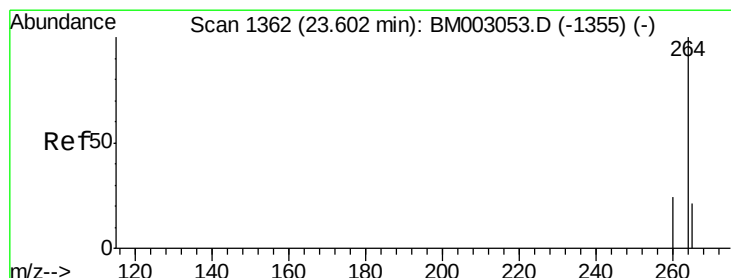
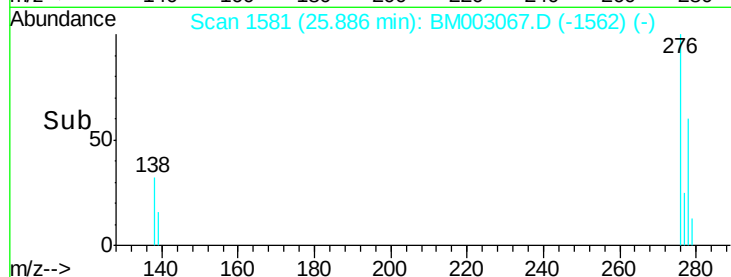
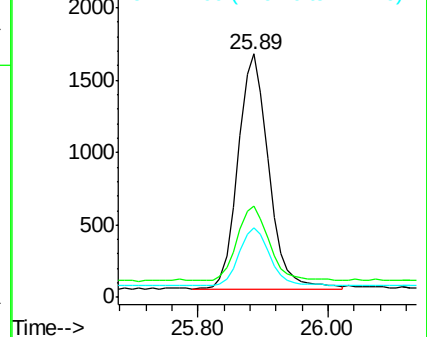
277 25.2 15.9 23.9#



Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E



#35

Perylene-d12

Concen: 5.00 ng

RT: 23.60 min Scan# 1362

Delta R.T. 0.00 min

Lab File: BM003067.D

Acq: 05 Nov 2015 16:57

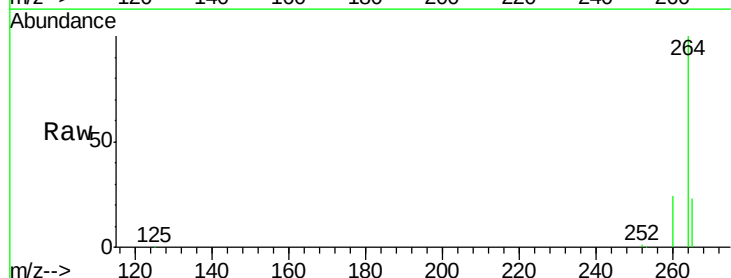
Tgt Ion:264 Resp: 272218

Ion Ratio Lower Upper

264 100

260 24.3 19.6 29.4

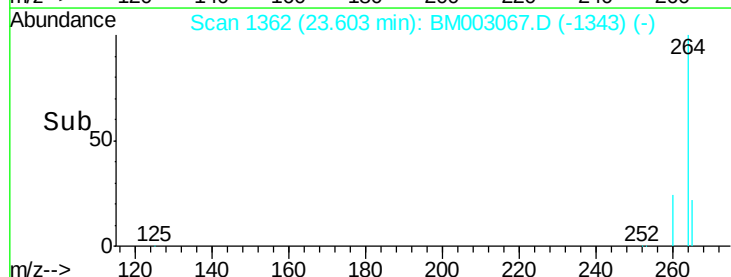
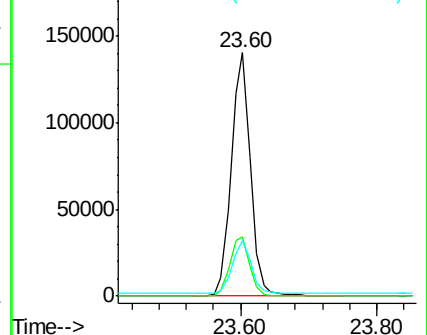
265 22.8 18.4 27.6

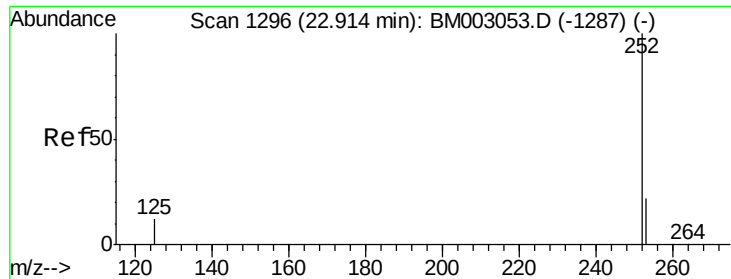


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E





#36

Benzo(b)fluoranthene

Concen: 0.06 ng

RT: 22.91 min Scan# 1296

Delta R.T. 0.00 min

Lab File: BM003067.D

Acq: 05 Nov 2015 16:57

Instrument :

BNA_M

ClientSampleId :

FB-01-110315

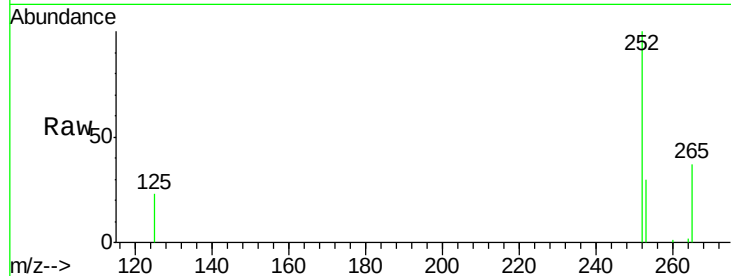
Tot Ion:252 Resp: 7637

Ion Ratio Lower Upper

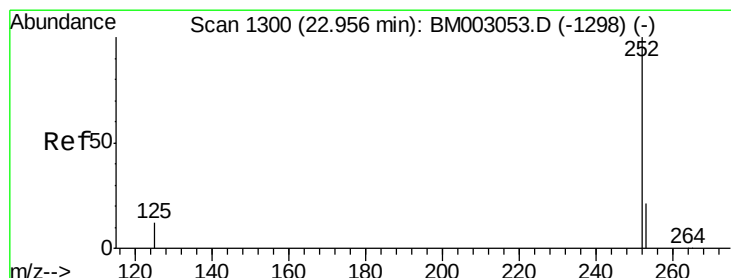
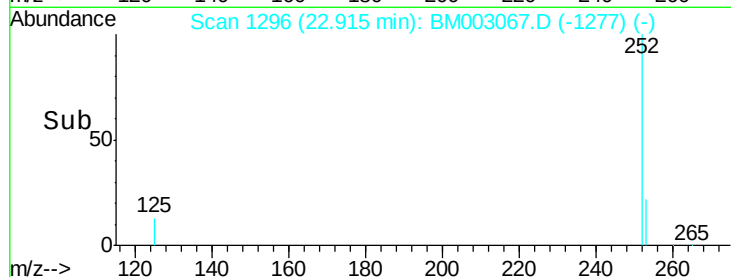
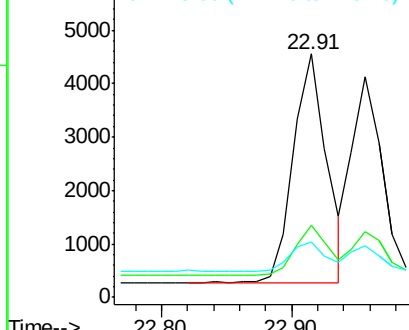
252 100

253 29.7 18.2 27.4#

125 22.7 10.3 15.5#



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(k)fluoranthene

Concen: 0.05 ng

RT: 22.96 min Scan# 1300

Delta R.T. 0.00 min

Lab File: BM003067.D

Acq: 05 Nov 2015 16:57

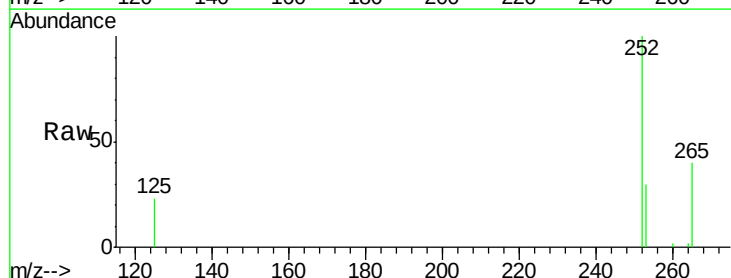
Tgt Ion:252 Resp: 6620

Ion Ratio Lower Upper

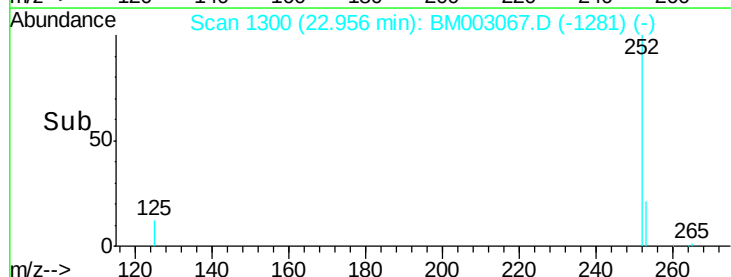
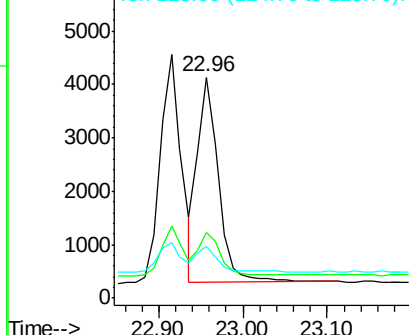
252 100

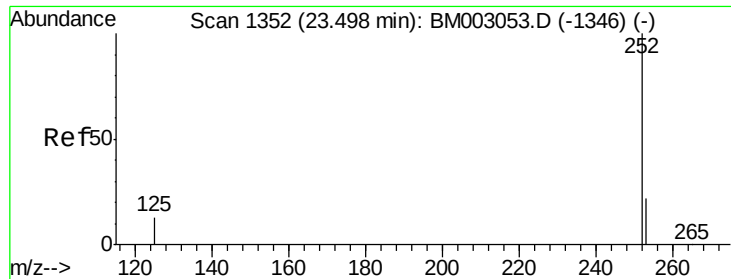
253 29.9 17.5 26.3#

125 23.2 10.7 16.1#



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





#38

Benzo(a)pyrene

Concen: 0.07 ng

RT: 23.50 min Scan# 1352

Delta R.T. 0.00 min

Lab File: BM003067.D

Acq: 05 Nov 2015 16:57

Instrument :

BNA_M

ClientSampleId :

FB-01-110315

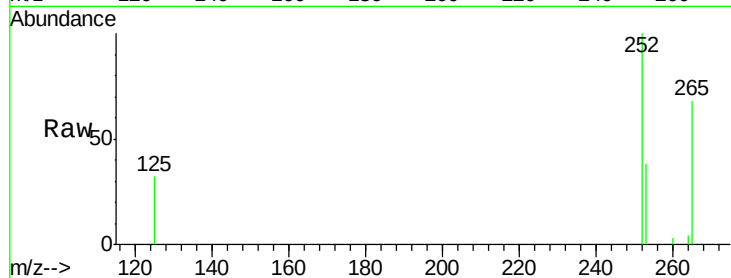
Tot Ion:252 Resp: 4597

Ion Ratio Lower Upper

252 100

253 37.6 18.7 28.1#

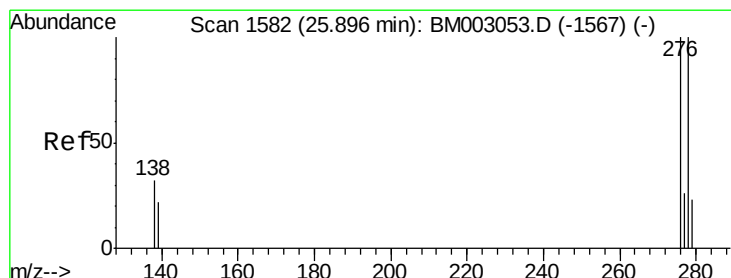
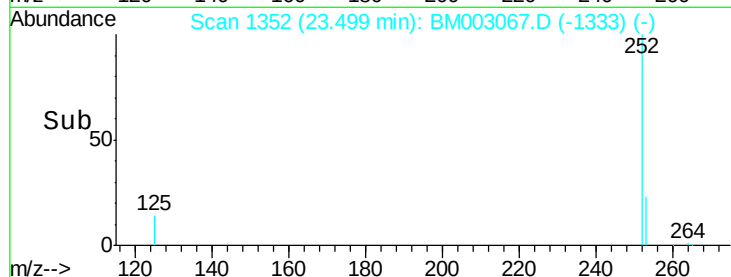
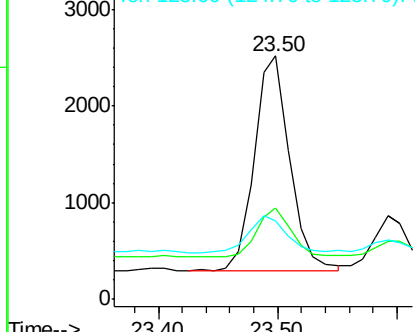
125 32.4 11.6 17.4#



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



#39

Dibenzo(a,h)anthracene

Concen: 0.06 ng

RT: 25.90 min Scan# 1582

Delta R.T. 0.00 min

Lab File: BM003067.D

Acq: 05 Nov 2015 16:57

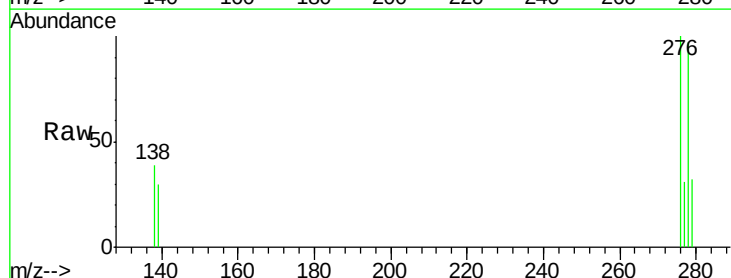
Tgt Ion:278 Resp: 4175

Ion Ratio Lower Upper

278 100

139 31.0 18.2 27.4#

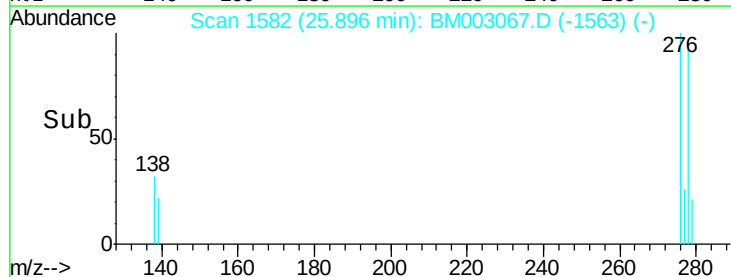
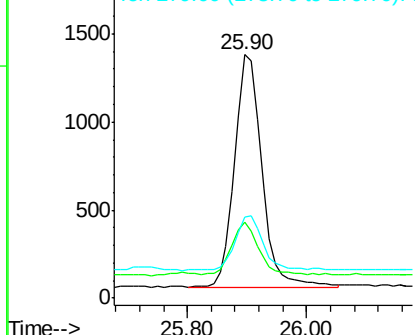
279 33.1 18.8 28.2#

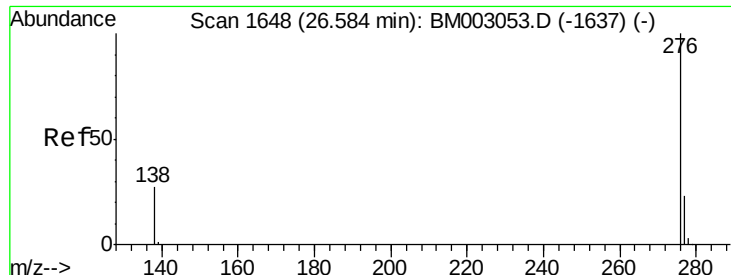


Abundance Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E





#40

Benzo(a,h,i)perylene

Concen: 0.07 ng

RT: 26.58 min Scan# 1648

Delta R.T. 0.00 min

Lab File: BM003067.D

Acq: 05 Nov 2015 16:57

Instrument :

BNA_M

ClientSampleId :

FB-01-110315

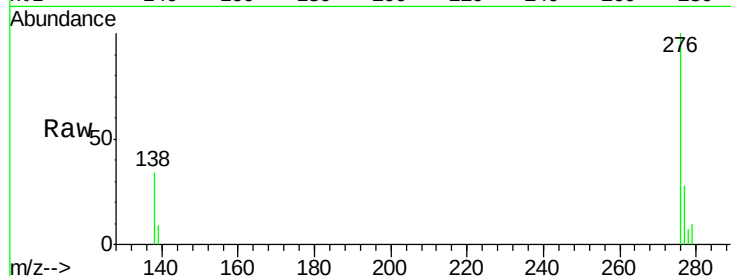
Tot Ion: 276 Resp: 5002

Ion Ratio Lower Upper

276 100

277 28.0 19.0 28.6

138 34.2 22.3 33.5#



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

