

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM012716\
 Data File : BM004132.D
 Acq On : 27 Jan 2016 13:49
 Operator : SJ/IZ
 Sample : PB87989BS
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 PB87989BS

Quant Time: Jan 27 23:58:10 2016
 Quant Method : Z:\HPCHEM1\BNA_M\METHODS\8270-SIM-BM012216.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Jan 22 14:46:41 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.67	152	23160	5.00	ng	0.00
7) Naphthalene-d8	10.44	136	101962	5.00	ng	0.00
13) Acenaphthene-d10	14.31	164	60963	5.00	ng	0.00
19) Phenanthrene-d10	17.06	188	158815	5.00	ng	0.00
26) Chrysene-d12	21.27	240	163130	5.00	ng	0.00
35) Perylene-d12	23.51	264	157444	5.00	ng	0.00

System Monitoring Compounds						
4) 2-Fluorophenol	5.25	112	26350	5.45	ng	-0.02
5) Phenol-d6	6.83	99	35845	6.15	ng	-0.02
8) Nitrobenzene-d5	8.82	82	16011	3.58	ng	-0.01
14) 2,4,6-Tribromophenol	15.82	330	15291	6.45	ng	0.00
15) 2-Fluorobiphenyl	12.93	172	65377	3.50	ng	0.00
29) Terphenyl-d14	19.71	244	86756	4.18	ng	0.00

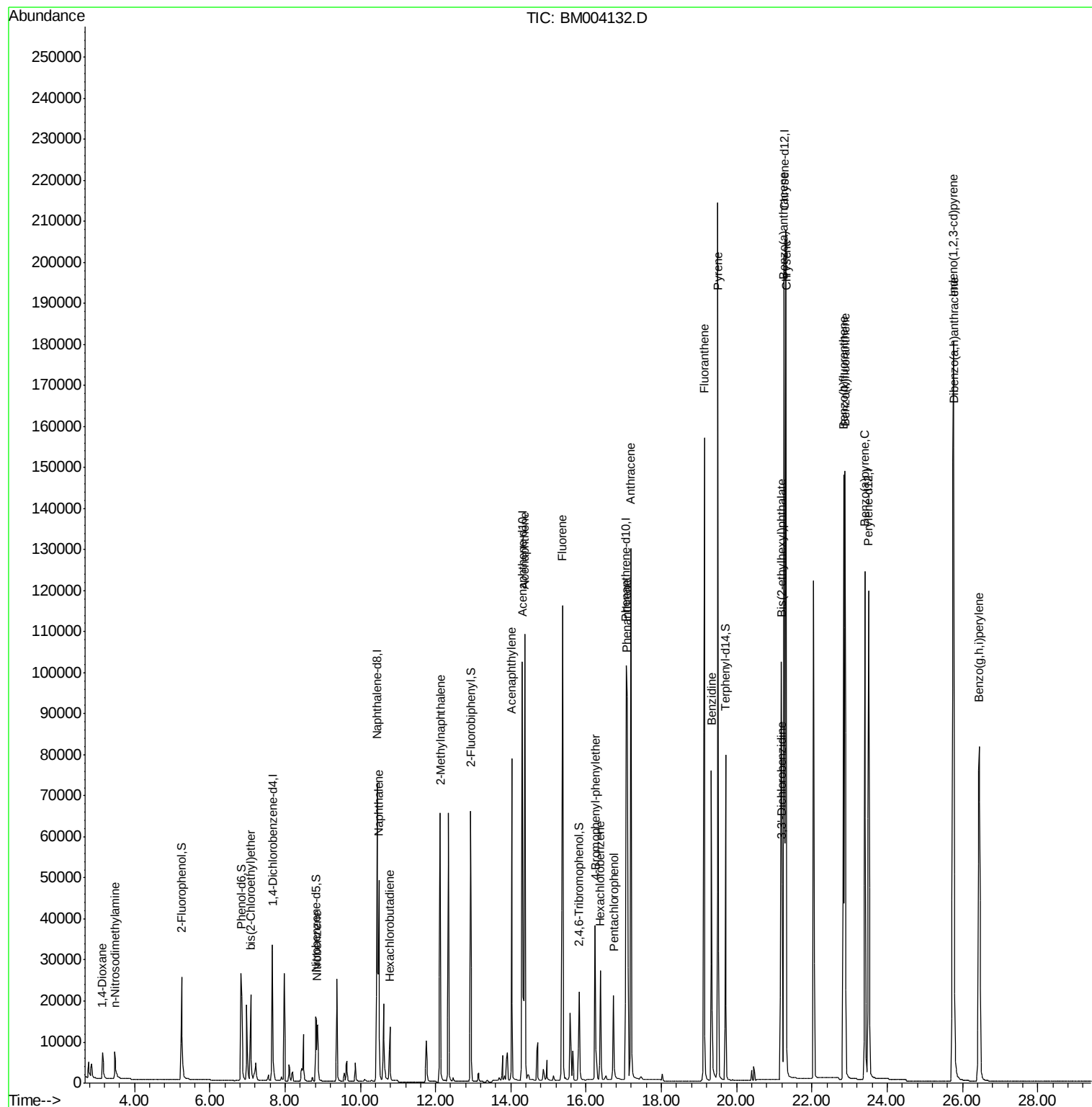
Target Compounds				Qvalue		
2) 1,4-Dioxane	3.15	88	5977	2.83	ng	97
3) n-Nitrosodimethylamine	3.48	42	6470	3.13	ng	93
6) bis(2-Chloroethyl)ether	7.09	93	16695	3.09	ng	99
9) Nitrobenzene	8.86	77	17387	2.83	ng	99
10) Naphthalene	10.49	128	70888	2.98	ng	97
11) Hexachlorobutadiene	10.78	225	10151	2.77	ng	99
12) 2-Methylnaphthalene	12.12	142	53571	3.45	ng	95
16) Acenaphthylene	14.02	152	100581	3.82	ng	100
17) Acenaphthene	14.37	154	62888	3.16	ng	98
18) Fluorene	15.37	166	84721	3.50	ng	98
20) 4-Bromophenyl-phenylether	16.24	248	21674	4.19	ng	# 72
21) Hexachlorobenzene	16.37	284	22456	4.13	ng	# 68
22) Pentachlorophenol	16.73	266	17418	7.50	ng	90
23) Phenanthrene	17.09	178	135029	4.39	ng	97
24) Anthracene	17.19	178	161453	4.45	ng	99
25) Fluoranthene	19.14	202	177439	4.12	ng	100
27) Benzidine	19.33	184	113476	7.57	ng	97
28) Pyrene	19.50	202	198366	4.40	ng	100
30) Benzo(a)anthracene	21.25	228	206951	4.34	ng	# 83
31) 3,3'-Dichlorobenzidine	21.21	252	52747	4.21	ng	# 87
32) Chrysene	21.31	228	177451	4.32	ng	93
33) Bis(2-ethylhexyl)phthalate	21.19	149	90594	4.21	ng	91
34) Indeno(1,2,3-cd)pyrene	25.76	276	189585	3.87	ng	100
36) Benzo(b)fluoranthene	22.84	252	201562	4.13	ng	99
37) Benzo(k)fluoranthene	22.88	252	174128	3.94	ng	98
38) Benzo(a)pyrene	23.41	252	178798	4.16	ng	98
39) Dibenzo(a,h)anthracene	25.77	278	149600	3.87	ng	98
40) Benzo(g,h,i)perylene	26.45	276	162056	3.84	ng	99

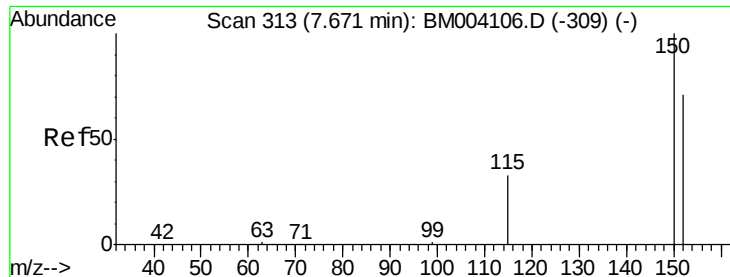
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 5.00 ng

RT: 7.67 min Scan# 313

Delta R.T. -0.00 min

Lab File: BM004132.D

Acq: 27 Jan 2016 13:49

Instrument :

BNA_M

ClientSampleId :

PB87989BS

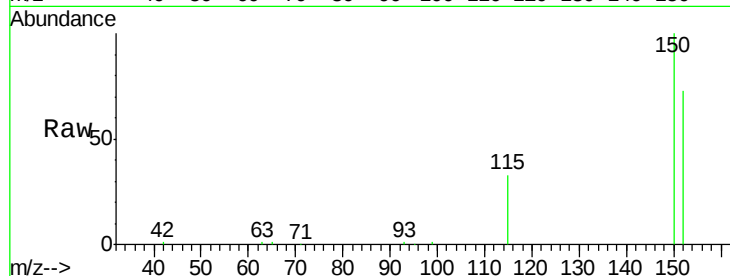
Tgt Ion:152 Resp: 23160

Ion Ratio Lower Upper

152 100

150 136.5 122.9 184.3

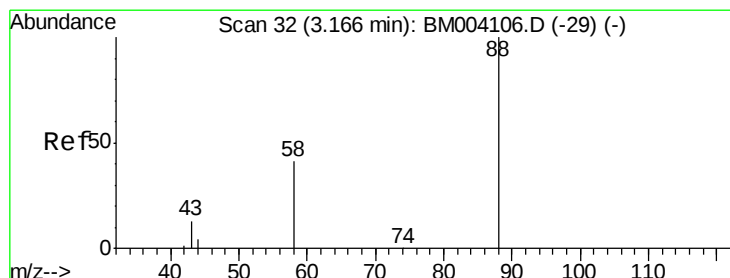
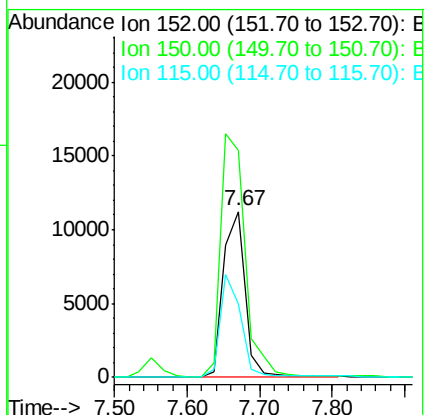
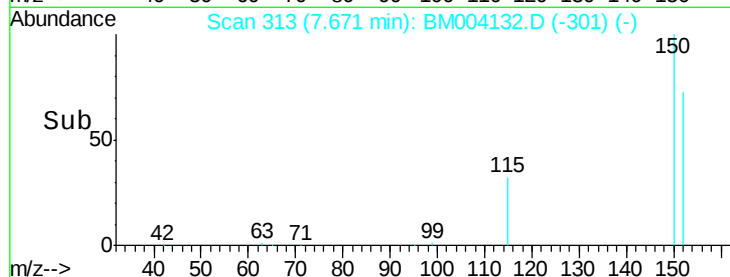
115 44.4 44.4 66.6



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: 2.83 ng

RT: 3.15 min Scan# 31

Delta R.T. -0.02 min

Lab File: BM004132.D

Acq: 27 Jan 2016 13:49

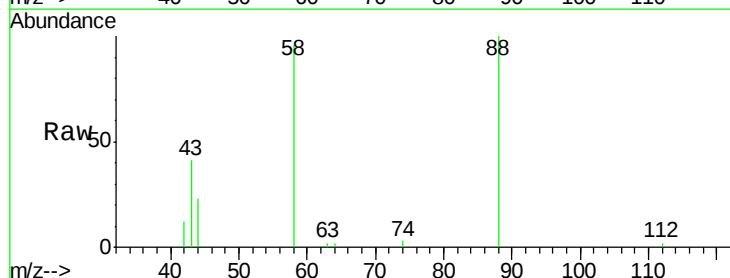
Tgt Ion: 88 Resp: 5977

Ion Ratio Lower Upper

88 100

58 70.5 53.8 80.6

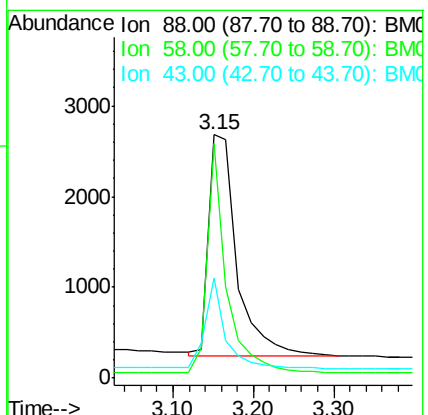
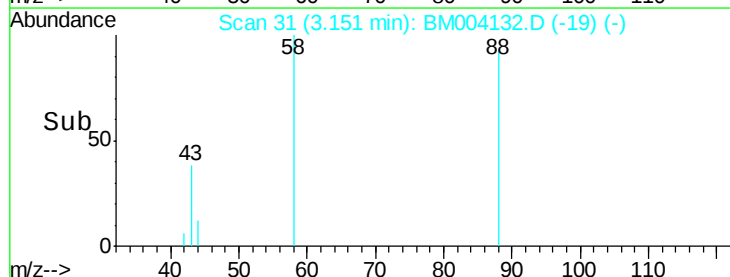
43 28.9 23.8 35.6

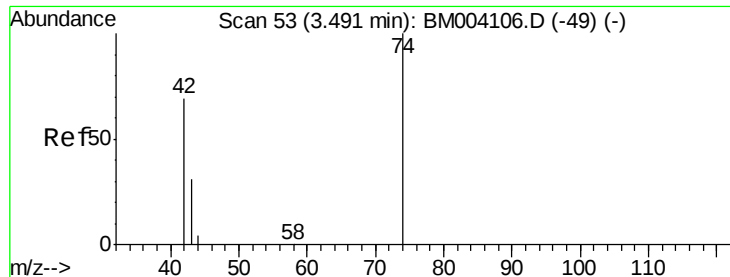


Abundance Ion 88.00 (87.70 to 88.70): BM0

Ion 58.00 (57.70 to 58.70): BM0

Ion 43.00 (42.70 to 43.70): BM0





#3

n-Nitrosodimethylamine

Concen: 3.13 ng

RT: 3.48 min Scan# 52

Delta R.T. -0.02 min

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Acq: 27 Jan 2016 13:49

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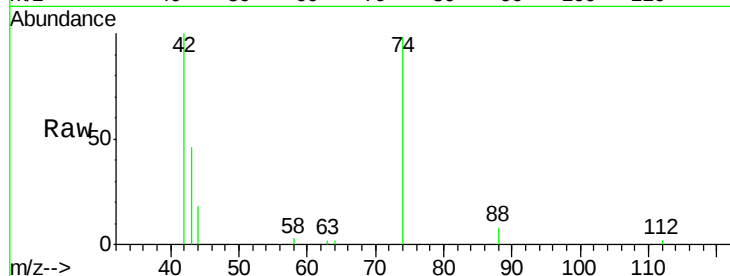
Tgt Ion: 42 Resp: 6470

Ion Ratio Lower Upper

42 100

74 126.6 95.0 142.4

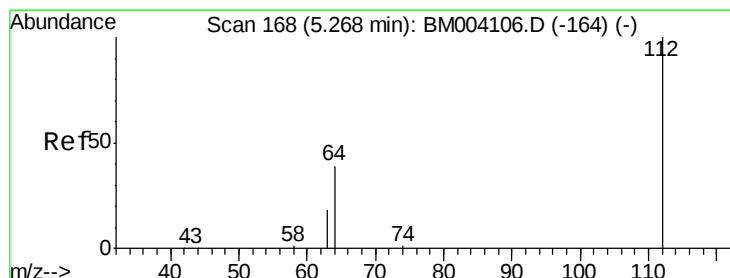
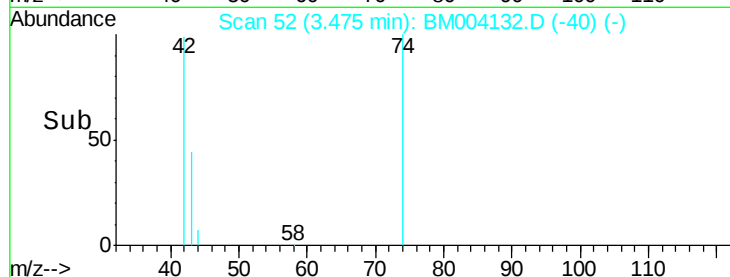
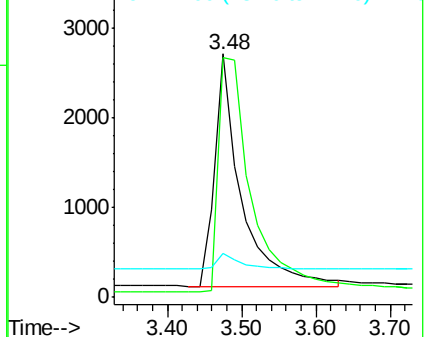
44 6.7 5.1 7.7



Abundance Ion 42.00 (41.70 to 42.70): BM004106.D (-49) (-)

Ion 74.00 (73.70 to 74.70): BM004106.D (-49) (-)

Ion 44.00 (43.70 to 44.70): BM004106.D (-49) (-)



#4

2-Fluorophenol

Concen: 5.45 ng

RT: 5.25 min Scan# 167

Delta R.T. -0.02 min

Lab File: BM004132.D

Acq: 27 Jan 2016 13:49

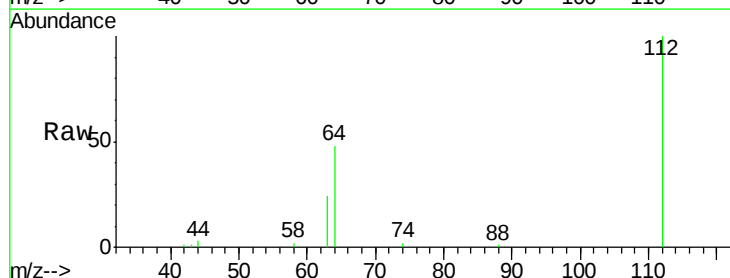
Tgt Ion: 112 Resp: 26350

Ion Ratio Lower Upper

112 100

64 51.9 41.8 62.8

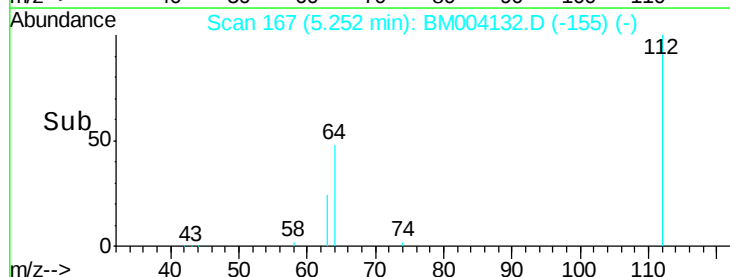
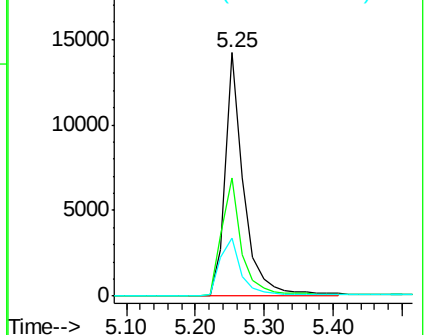
63 27.1 22.1 33.1

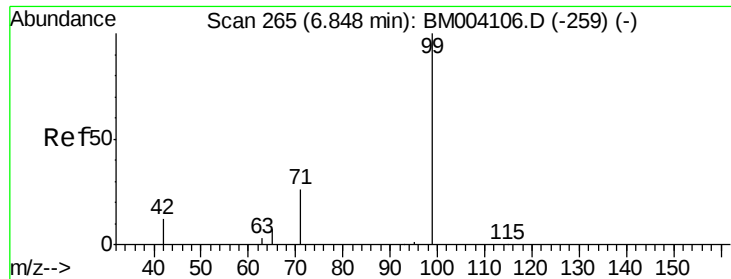


Abundance Ion 112.00 (111.70 to 112.70): BM004106.D (-164) (-)

Ion 64.00 (63.70 to 64.70): BM004106.D (-164) (-)

Ion 63.00 (62.70 to 63.70): BM004106.D (-164) (-)





#5

Phenol-d6

Concen: 6.15 ng

RT: 6.83 min Scan# 264

Delta R.T. -0.02 min

Lab File: BM004132.D

Acq: 27 Jan 2016 13:49

Instrument :

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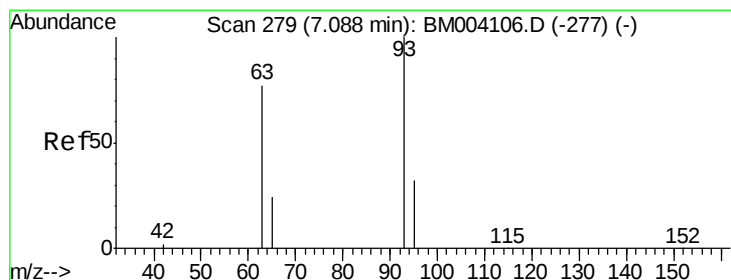
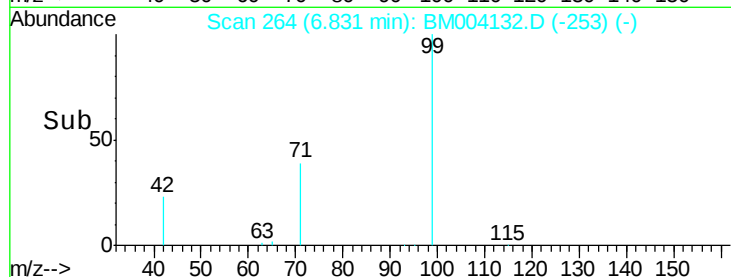
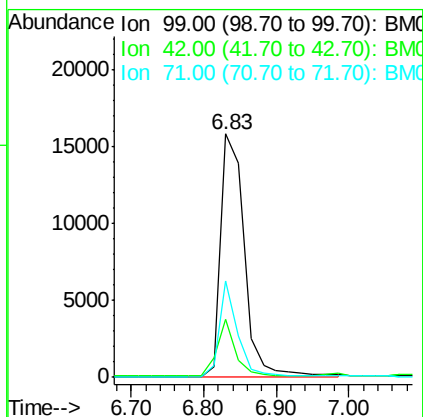
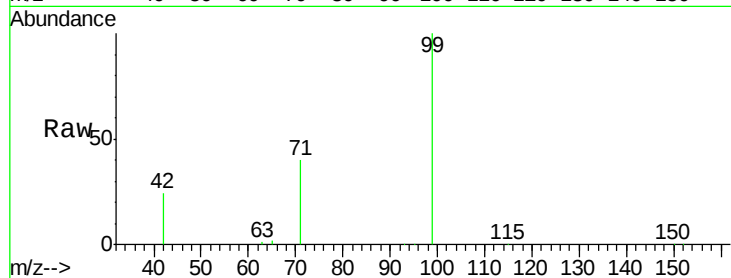
Tgt Ion: 99 Resp: 35845

Ion Ratio Lower Upper

99 100

42 18.5 16.2 24.2

71 30.7 24.4 36.6



#6

bis(2-Chloroethyl)ether

Concen: 3.09 ng

RT: 7.09 min Scan# 279

Delta R.T. -0.00 min

Lab File: BM004132.D

Acq: 27 Jan 2016 13:49

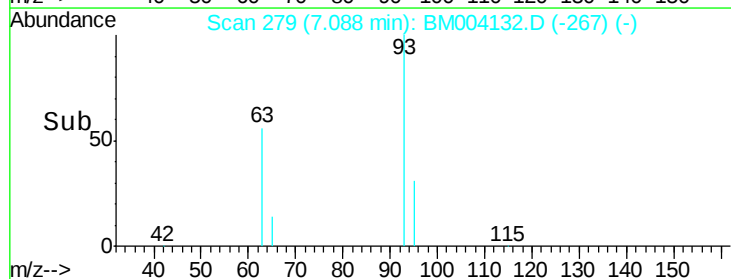
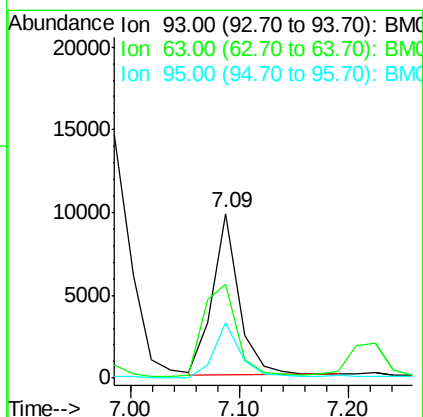
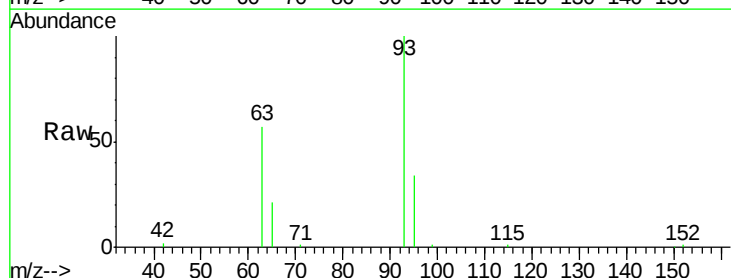
Tgt Ion: 93 Resp: 16695

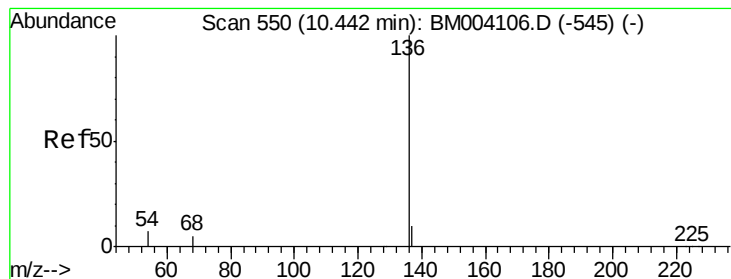
Ion Ratio Lower Upper

93 100

63 73.2 58.3 87.5

95 33.1 25.8 38.8





#7

Naphthalene-d8

Concen: 5.00 ng

RT: 10.44 min Scan# 550

Delta R.T. -0.00 min

Lab File: BM004132.D

Acq: 27 Jan 2016 13:49

Instrument :

BNA_M

ClientSampleId :

PB87989BS

Tgt Ion:136 Resp: 101962

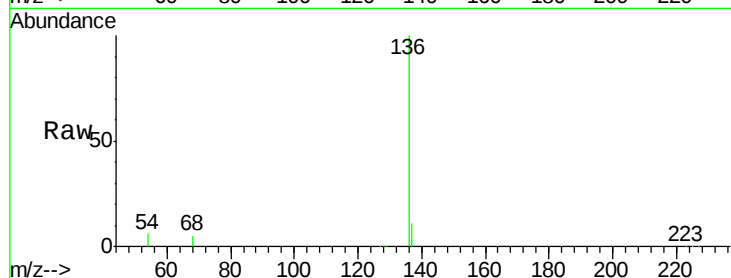
Ion Ratio Lower Upper

136 100

137 10.6 9.2 13.8

54 6.1 2.8 4.2#

68 4.8 2.5 3.7#

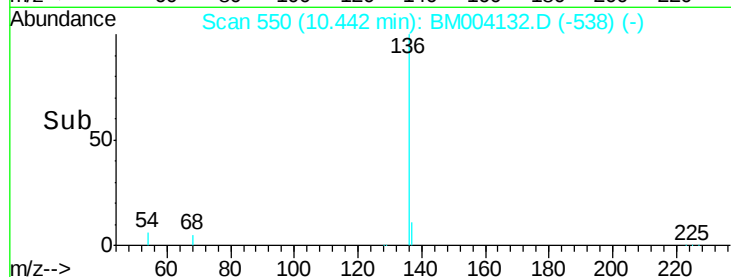


Abundance Ion 136.00 (135.70 to 136.70): E

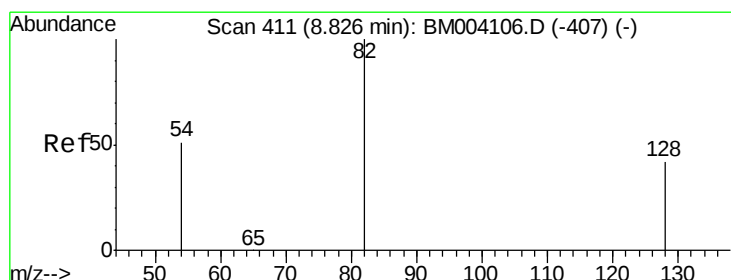
Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BM

Ion 68.00 (67.70 to 68.70): BM



Time-->



#8

Nitrobenzene-d5

Concen: 3.58 ng

RT: 8.82 min Scan# 410

Delta R.T. -0.01 min

Lab File: BM004132.D

Acq: 27 Jan 2016 13:49

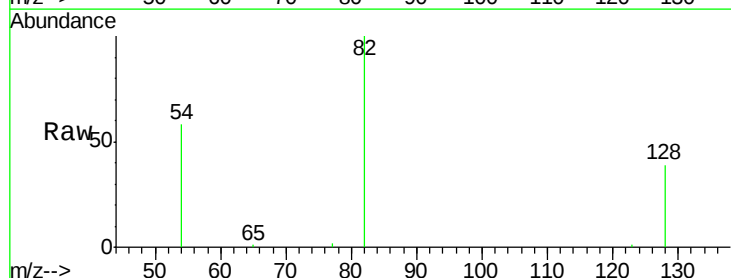
Tgt Ion: 82 Resp: 16011

Ion Ratio Lower Upper

82 100

128 39.1 39.1 58.7

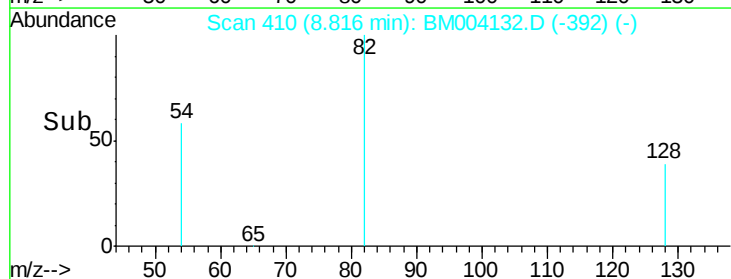
54 58.0 34.8 52.2#



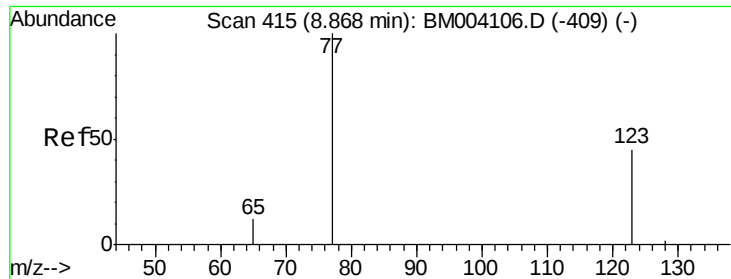
Abundance Ion 82.00 (81.70 to 82.70): BM

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BM



Time-->



#9

Nitrobenzene

Concen: 2.83 ng

RT: 8.86 min Scan# 414

Delta R.T. -0.01 min

Lab File: BM004132.D

Acq: 27 Jan 2016 13:49

Instrument :

BNA_M

ClientSampleId :

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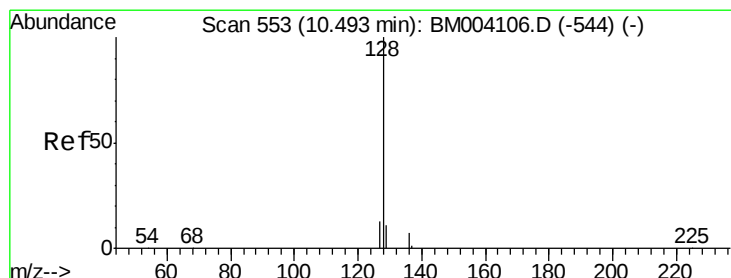
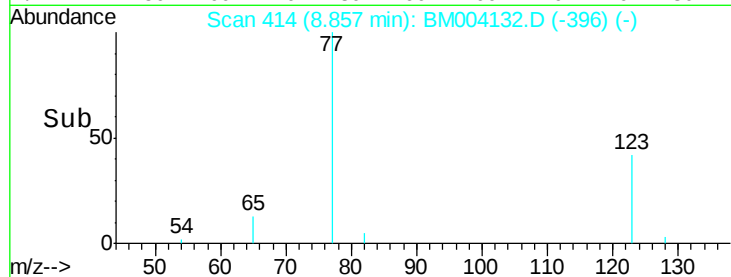
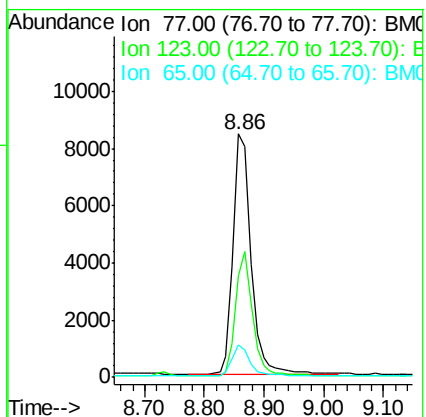
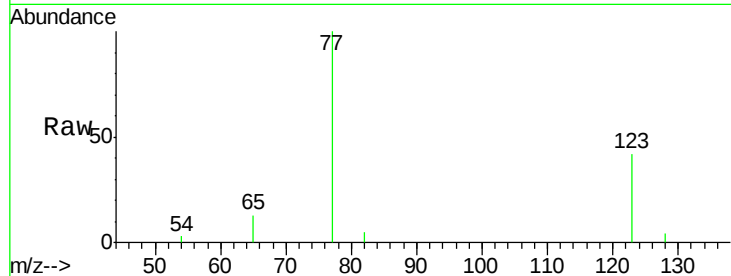
Tgt Ion: 77 Resp: 17387

Ion Ratio Lower Upper

77 100

123 49.2 38.6 57.8

65 12.5 9.9 14.9



#10

Naphthalene

Concen: 2.98 ng

RT: 10.49 min Scan# 553

Delta R.T. -0.00 min

Lab File: BM004132.D

Acq: 27 Jan 2016 13:49

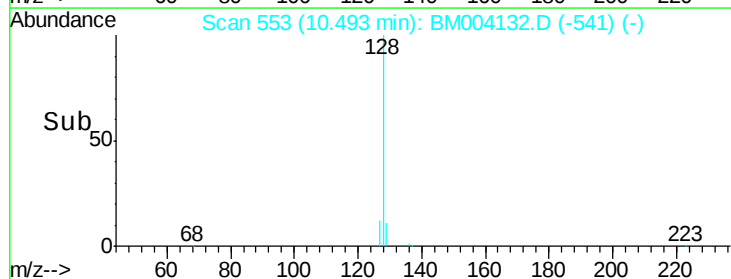
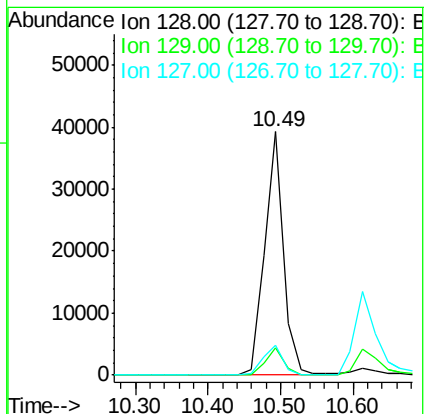
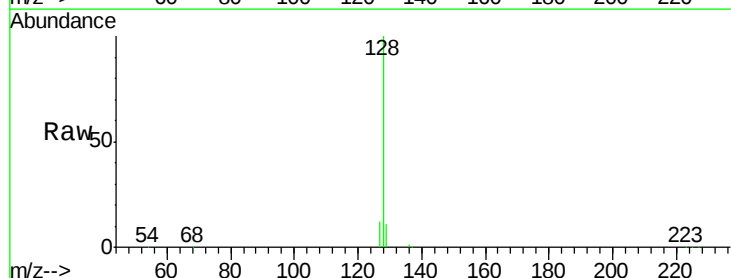
Tgt Ion: 128 Resp: 70888

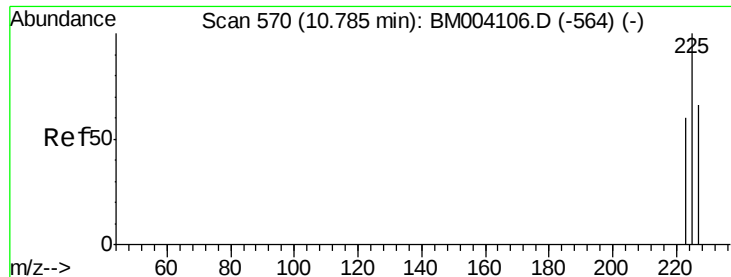
Ion Ratio Lower Upper

128 100

129 11.4 8.5 12.7

127 12.1 11.0 16.4

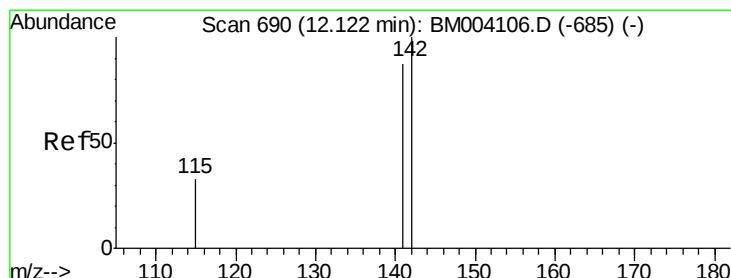
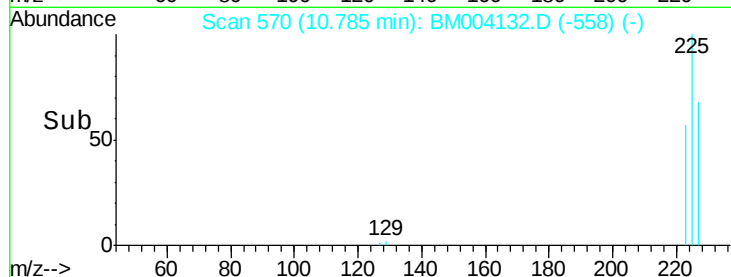
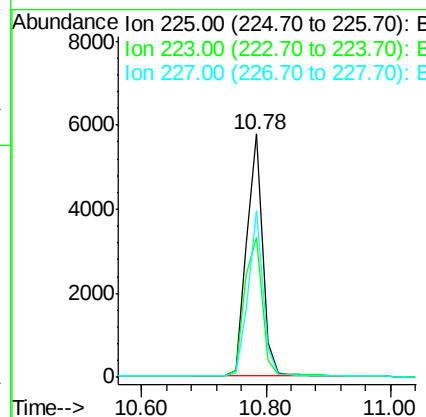
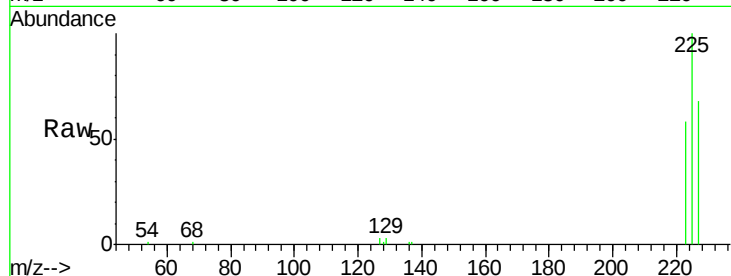




#11
Hexachlorobutadiene
Concen: 2.77 ng
RT: 10.78 min Scan# 570
Delta R.T. -0.00 min
Lab File: BM004132.D
Acq: 27 Jan 2016 13:49

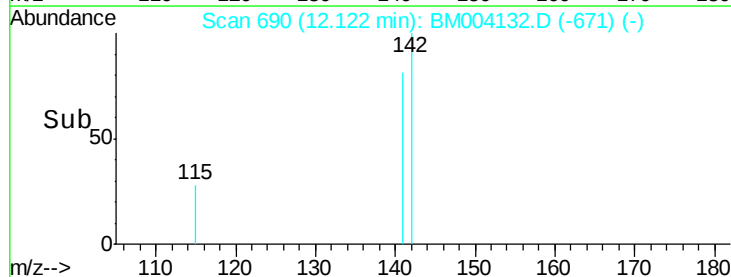
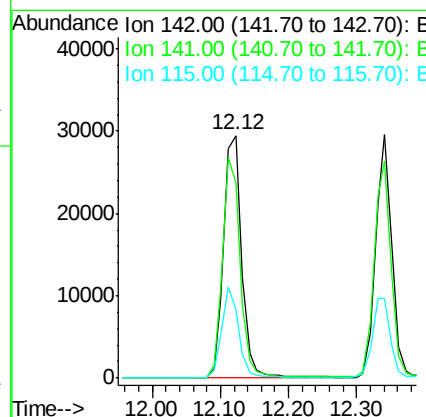
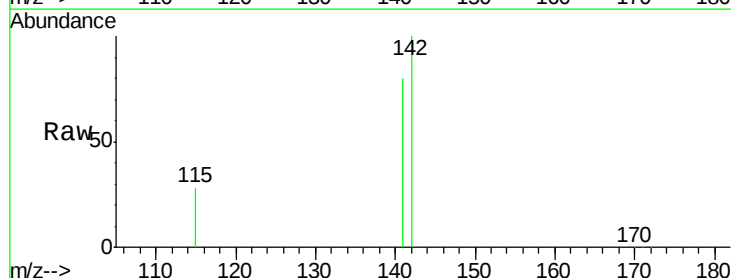
Instrument :
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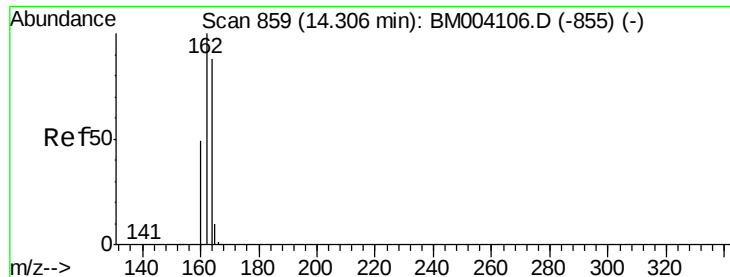
Tgt Ion: 225 Resp: 10151
Ion Ratio Lower Upper
225 100
223 62.9 50.9 76.3
227 63.6 51.2 76.8



#12
2-Methylnaphthalene
Concen: 3.45 ng
RT: 12.12 min Scan# 690
Delta R.T. -0.00 min
Lab File: BM004132.D
Acq: 27 Jan 2016 13:49

Tgt Ion: 142 Resp: 53571
Ion Ratio Lower Upper
142 100
141 80.5 67.8 101.8
115 28.2 25.3 37.9





#13

Acenaphthene-d10

Concen: 5.00 ng

RT: 14.31 min Scan# 859

Delta R.T. -0.00 min

Lab File: BM004132.D

Acq: 27 Jan 2016 13:49

Instrument :

BNA_M

ClientSampleId :

PB87989BS

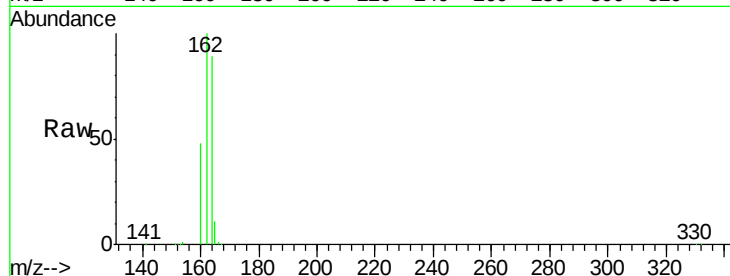
Tgt Ion:164 Resp: 60963

Ion Ratio Lower Upper

164 100

162 111.8 86.0 129.0

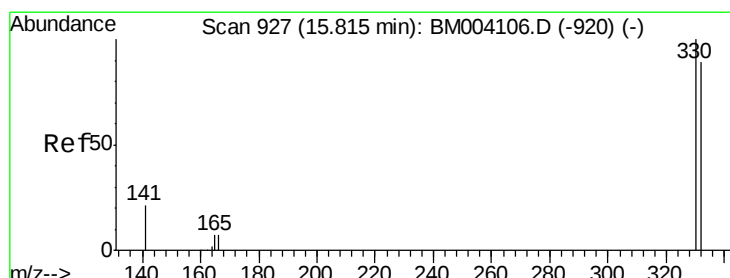
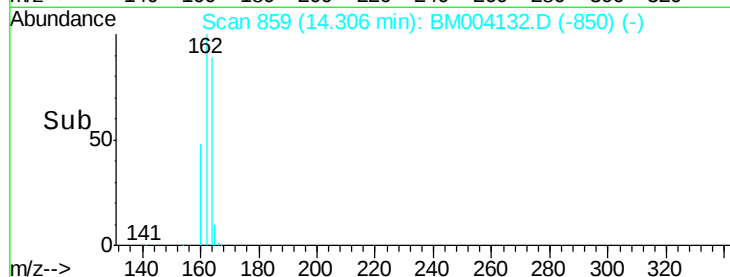
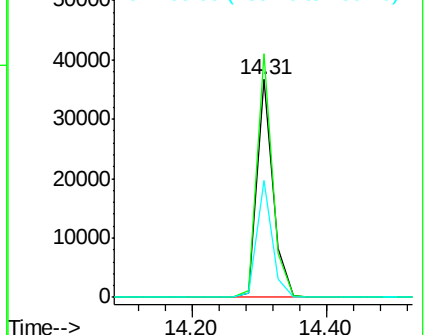
160 53.9 40.3 60.5



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: 6.45 ng

RT: 15.82 min Scan# 927

Delta R.T. 0.00 min

Lab File: BM004132.D

Acq: 27 Jan 2016 13:49

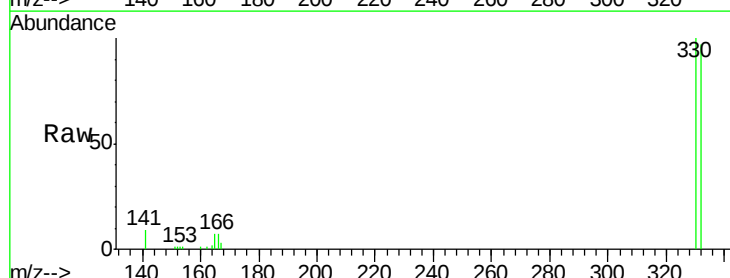
Tgt Ion:330 Resp: 15291

Ion Ratio Lower Upper

330 100

332 96.5 79.0 118.4

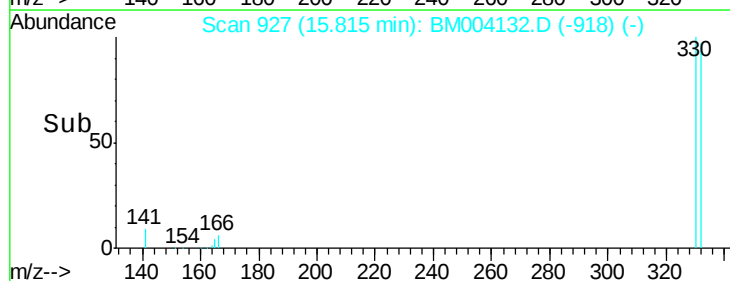
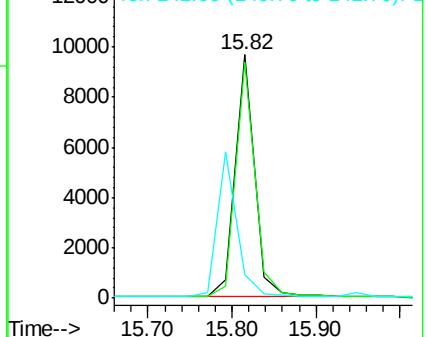
141 0.0 27.8 41.6#

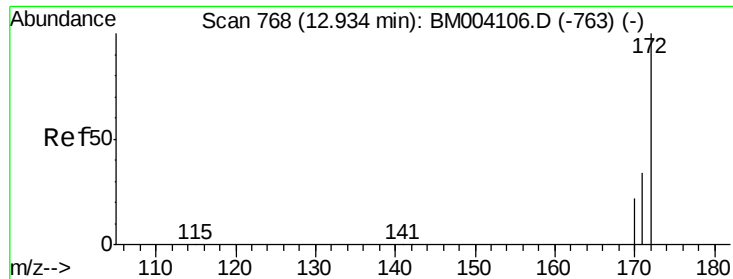


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

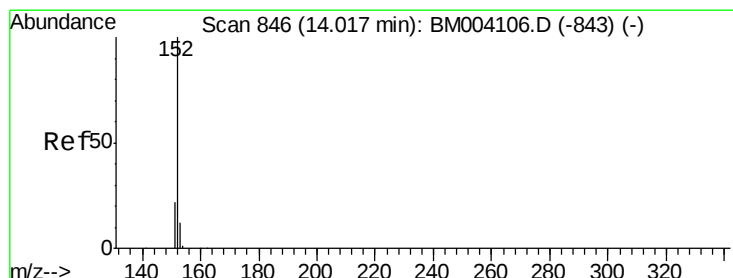
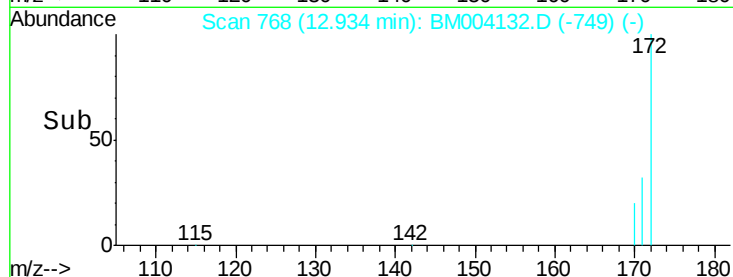
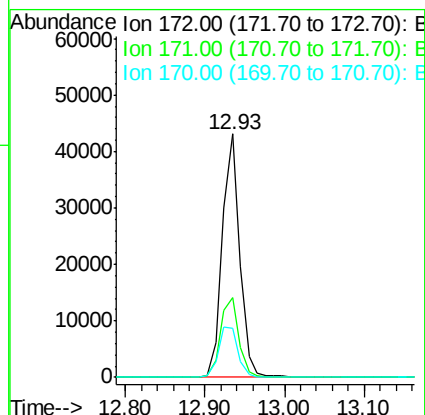
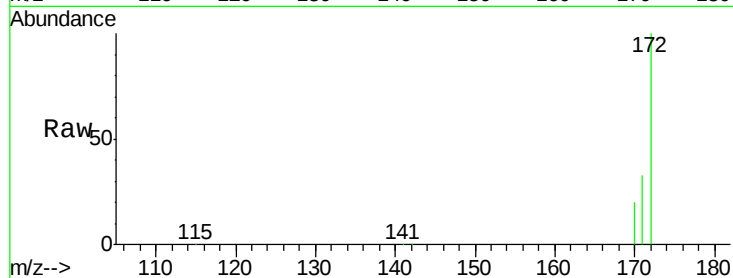




#15
2-Fluorobiphenyl
Concen: 3.50 ng
RT: 12.93 min Scan# 768
Delta R.T. -0.00 min
Lab File: BM004132.D
Acq: 27 Jan 2016 13:49

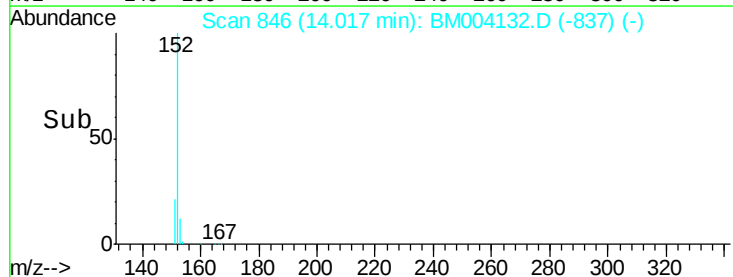
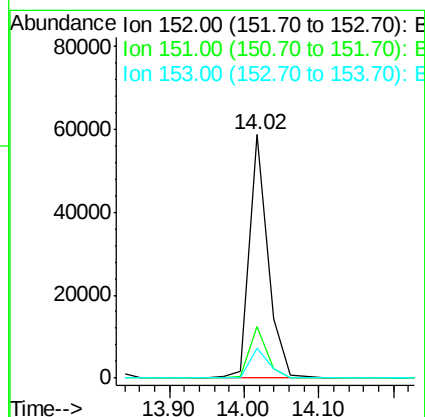
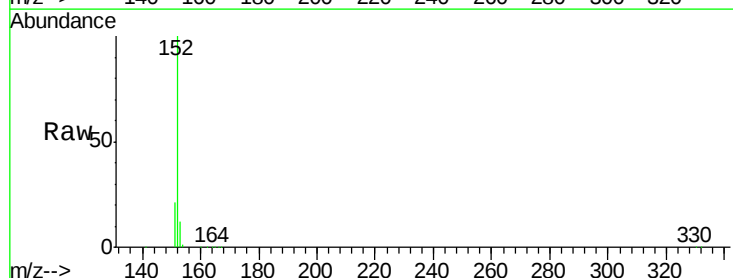
Instrument :
BNA_M
ClientSampleId :
PB87989BS

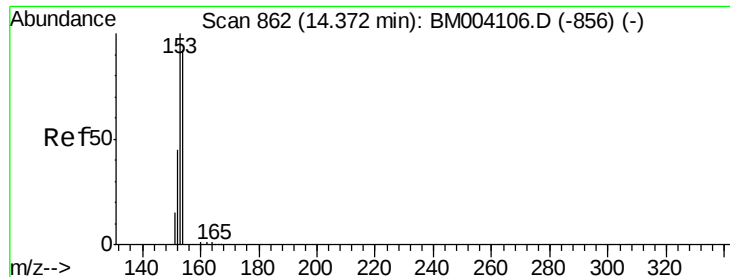
Tgt Ion:172 Resp: 65377
Ion Ratio Lower Upper
172 100
171 32.6 27.0 40.6
170 20.4 17.9 26.9



#16
Acenaphthylene
Concen: 3.82 ng
RT: 14.02 min Scan# 846
Delta R.T. -0.00 min
Lab File: BM004132.D
Acq: 27 Jan 2016 13:49

Tgt Ion:152 Resp: 100581
Ion Ratio Lower Upper
152 100
151 20.0 15.8 23.8
153 12.7 10.2 15.4

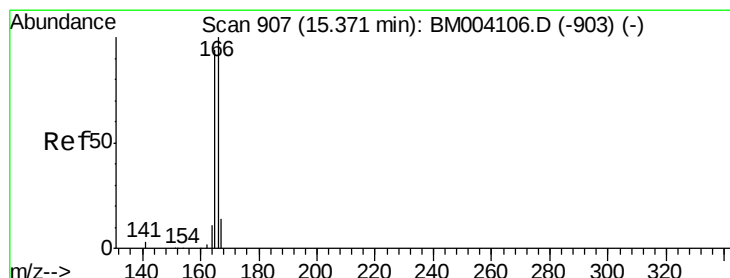
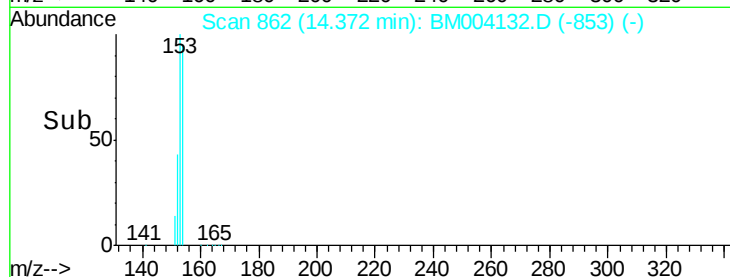
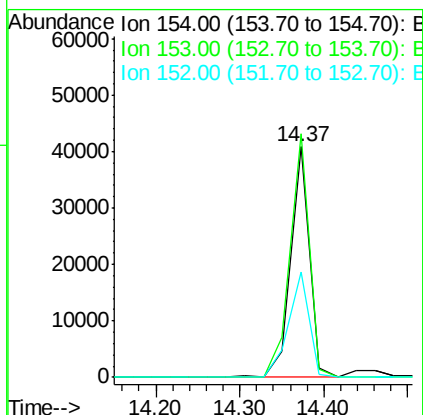
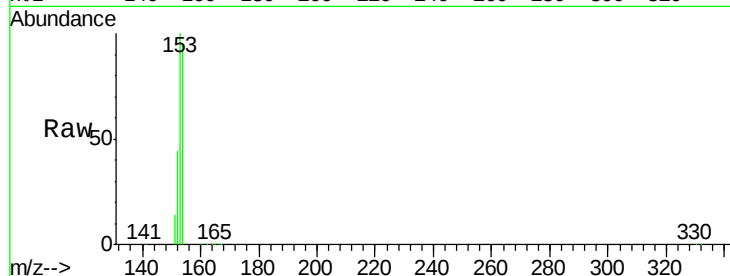




#17
Acenaphthene
Concen: 3.16 ng
RT: 14.37 min Scan# 862
Delta R.T. -0.00 min
Lab File: BM004132.D
Acq: 27 Jan 2016 13:49

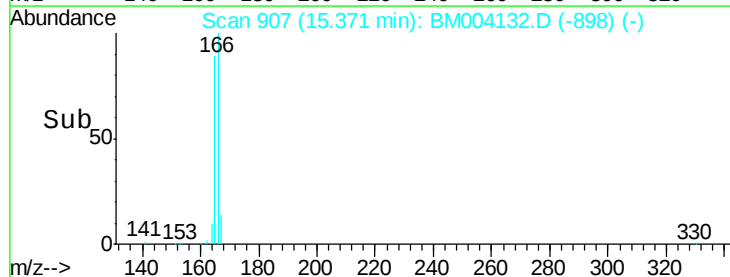
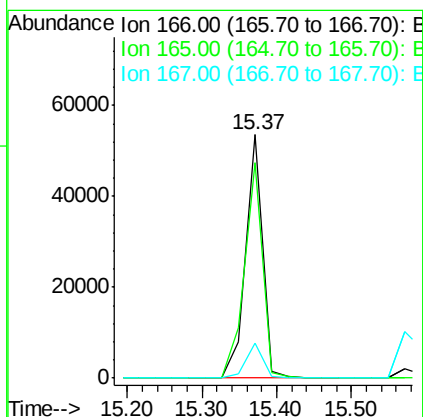
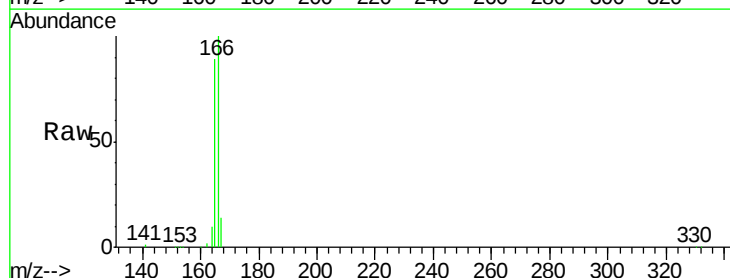
Instrument :
BNA_M
ClientSampleId :
PB87989BS

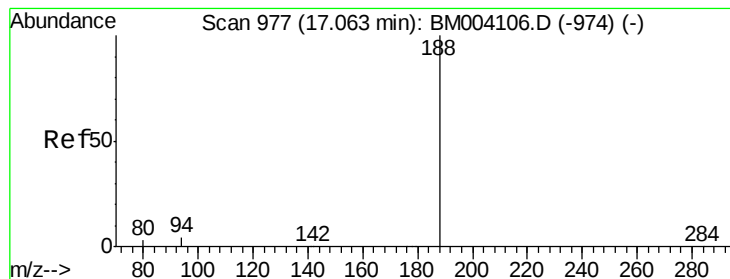
Tgt Ion:154 Resp: 62888
Ion Ratio Lower Upper
154 100
153 109.6 85.4 128.2
152 51.0 40.6 60.8



#18
Fluorene
Concen: 3.50 ng
RT: 15.37 min Scan# 907
Delta R.T. -0.00 min
Lab File: BM004132.D
Acq: 27 Jan 2016 13:49

Tgt Ion:166 Resp: 84721
Ion Ratio Lower Upper
166 100
165 94.5 77.2 115.8
167 13.7 11.0 16.6





#19

Phenanthrene-d10

Concen: 5.00 ng

RT: 17.06 min Scan# 977

Delta R.T. -0.00 min

Lab File: BM004132.D

Acq: 27 Jan 2016 13:49

Instrument :

BNA_M

ClientSampleId :

PB87989BS

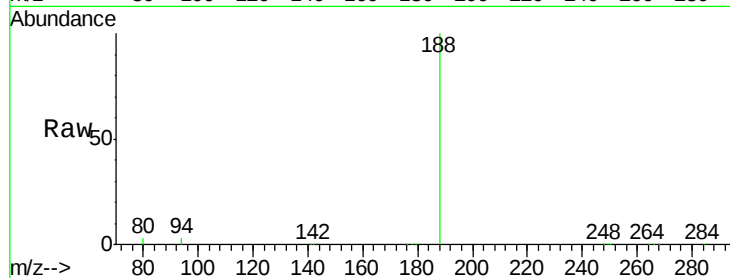
Tgt Ion:188 Resp: 158815

Ion Ratio Lower Upper

188 100

94 3.4 20.3 30.5#

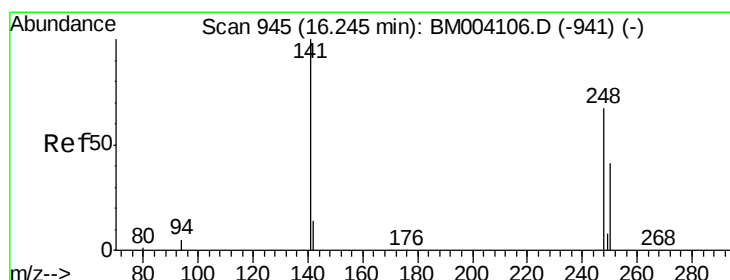
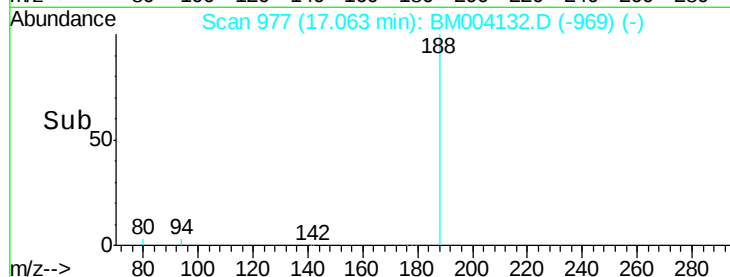
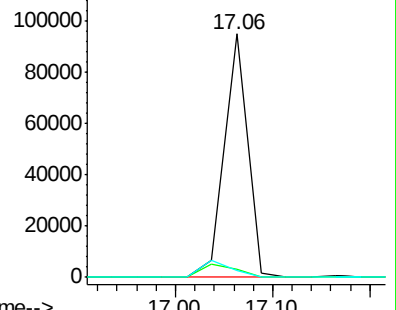
80 2.8 22.2 33.4#



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: 4.19 ng

RT: 16.24 min Scan# 945

Delta R.T. -0.00 min

Lab File: BM004132.D

Acq: 27 Jan 2016 13:49

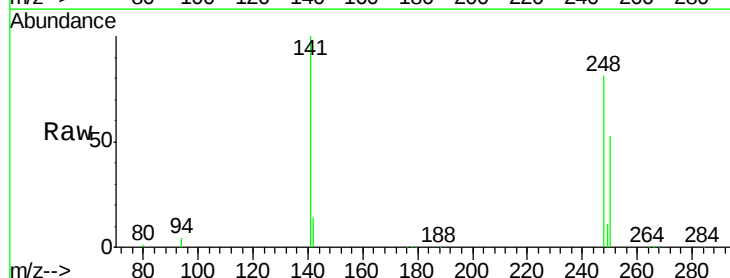
Tgt Ion:248 Resp: 21674

Ion Ratio Lower Upper

248 100

250 84.2 75.0 112.4

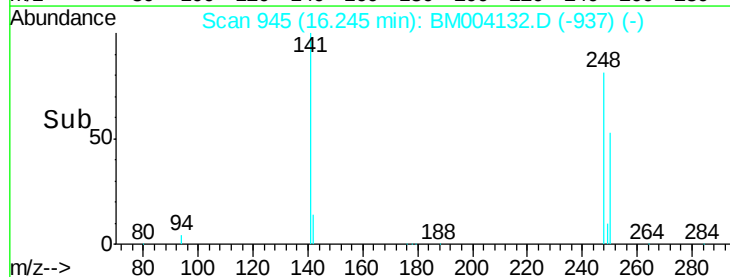
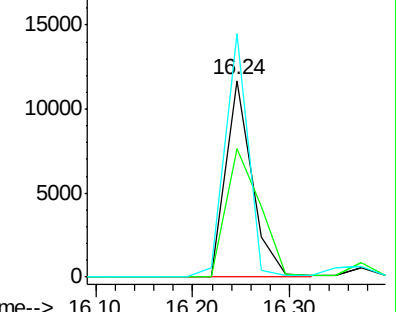
141 108.5 53.0 79.4#

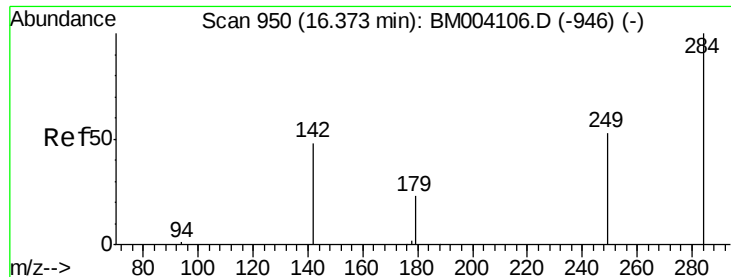


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E

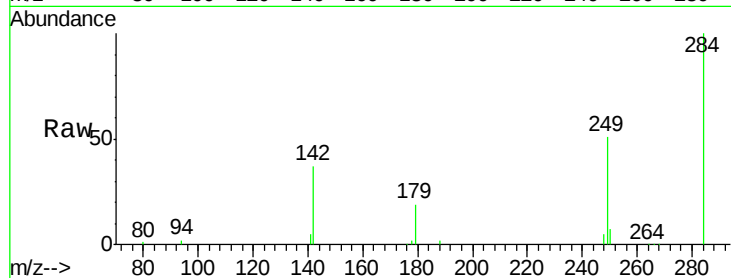




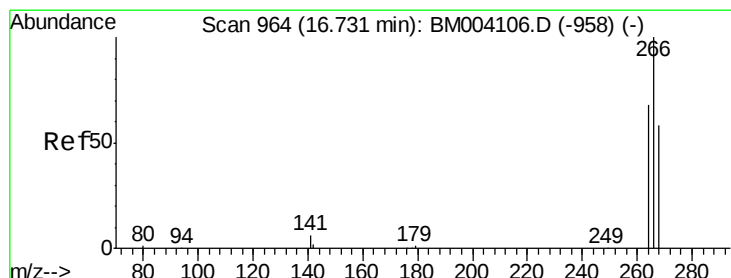
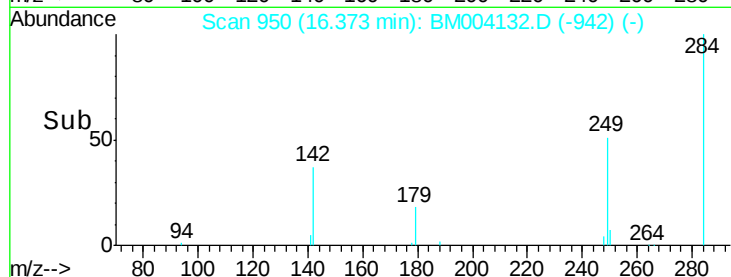
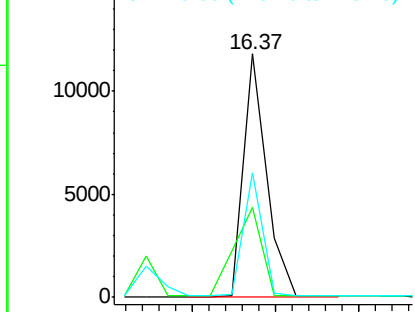
#21
Hexachlorobenzene
Concen: 4.13 ng
RT: 16.37 min Scan# 950
Delta R.T. -0.00 min
Lab File: BM004132.D
Acq: 27 Jan 2016 13:49

Instrument :
BNA_M
ClientSampleId :
PB87989BS

Tgt Ion:284 Resp: 22456
Ion Ratio Lower Upper
284 100
142 44.8 22.2 33.4#
249 42.8 21.5 32.3#

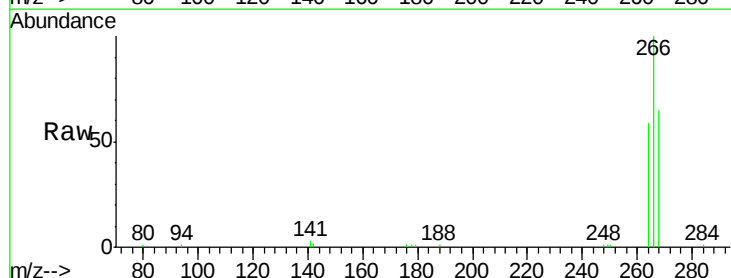


Abundance Ion 283.80 (283.50 to 284.50): E
Ion 142.00 (141.70 to 142.70): E
Ion 249.00 (248.70 to 249.70): E

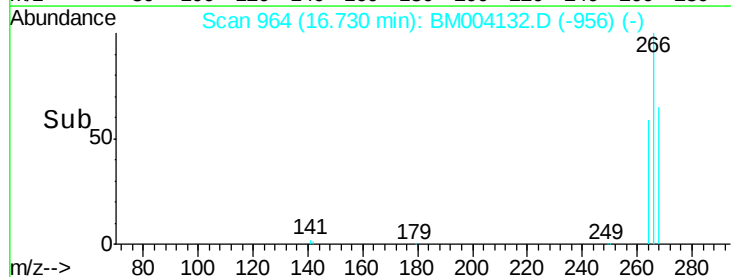
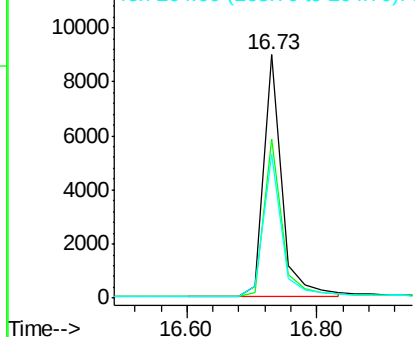


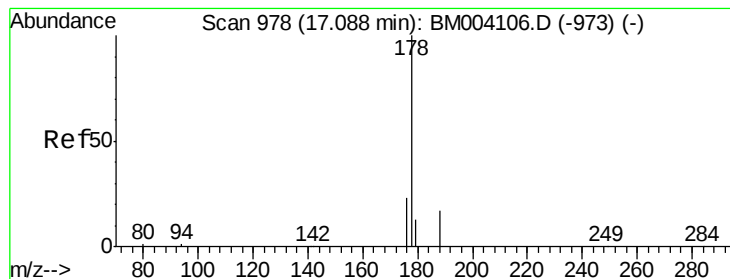
#22
Pentachlorophenol
Concen: 7.50 ng
RT: 16.73 min Scan# 964
Delta R.T. 0.00 min
Lab File: BM004132.D
Acq: 27 Jan 2016 13:49

Tgt Ion:266 Resp: 17418
Ion Ratio Lower Upper
266 100
268 65.5 62.7 94.1
264 59.2 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: 4.39 ng

RT: 17.09 min Scan# 978

Delta R.T. 0.00 min

Lab File: BM004132.D

Acq: 27 Jan 2016 13:49

Instrument :

BNA_M

ClientSampleId :

PB87989BS

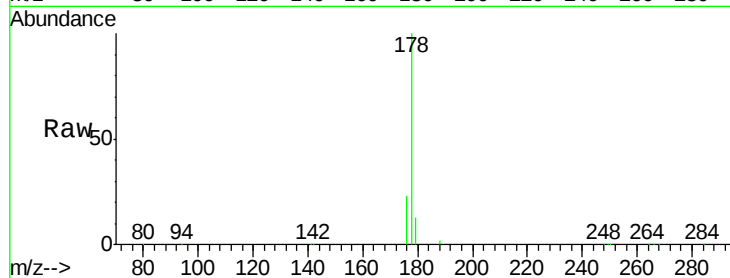
Tgt Ion:178 Resp: 135029

Ion Ratio Lower Upper

178 100

176 20.9 15.4 23.0

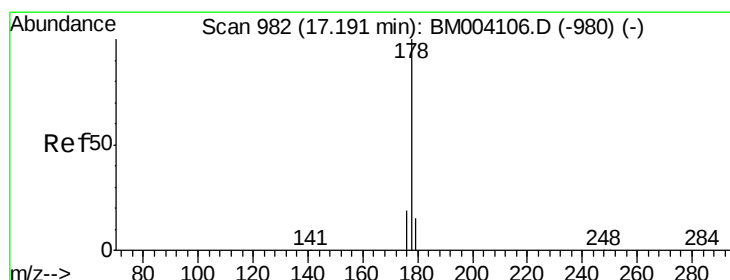
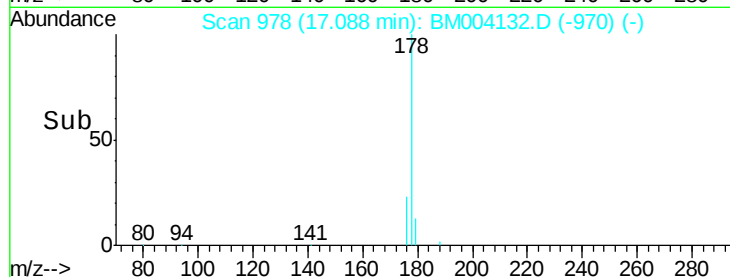
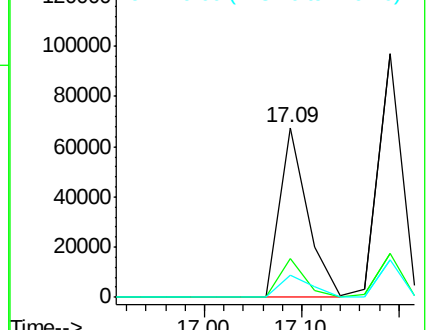
179 14.6 12.2 18.4



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: 4.45 ng

RT: 17.19 min Scan# 982

Delta R.T. -0.00 min

Lab File: BM004132.D

Acq: 27 Jan 2016 13:49

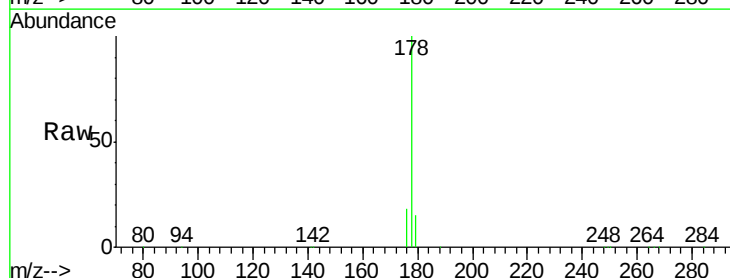
Tgt Ion:178 Resp: 161453

Ion Ratio Lower Upper

178 100

176 18.1 14.6 21.8

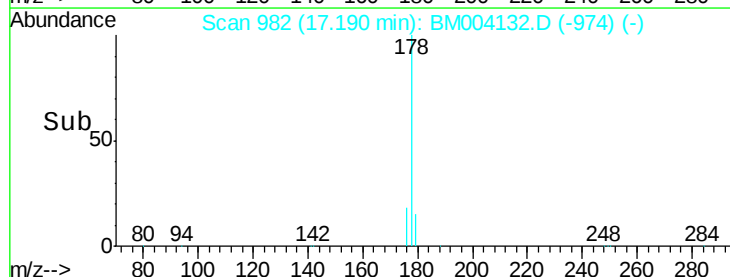
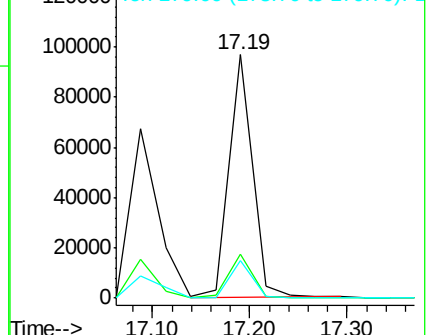
179 15.4 12.6 19.0

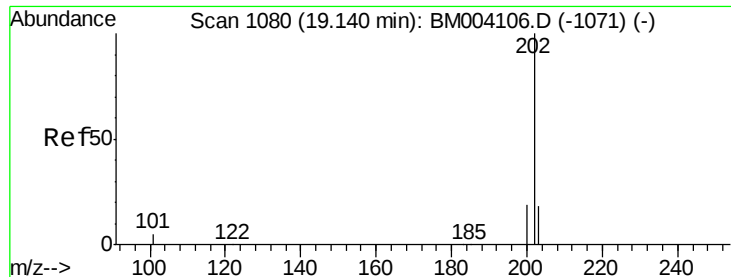


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#25

Fluoranthene

Concen: 4.12 ng

RT: 19.14 min Scan# 1080

Delta R.T. -0.00 min

Lab File: BM004132.D

Acq: 27 Jan 2016 13:49

Instrument :

BNA_M

ClientSampleId :

PB87989BS

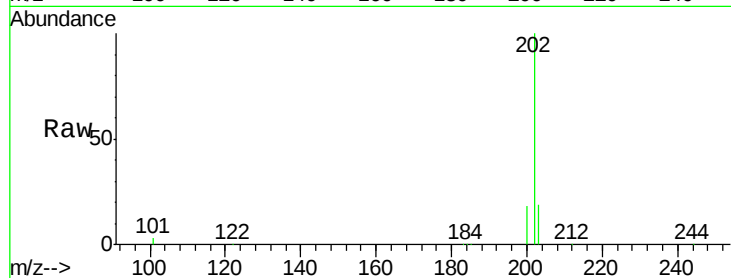
Tgt Ion: 202 Resp: 177439

Ion Ratio Lower Upper

202 100

101 12.0 9.7 14.5

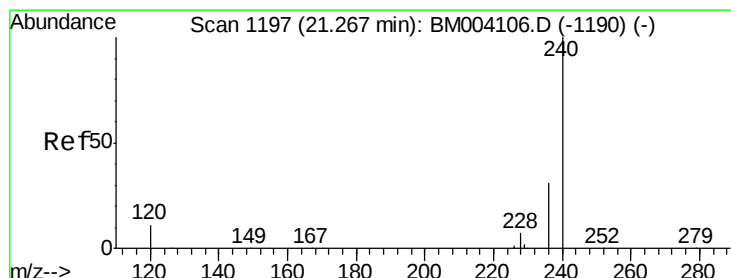
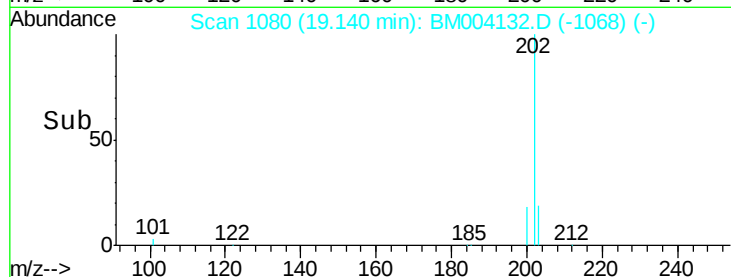
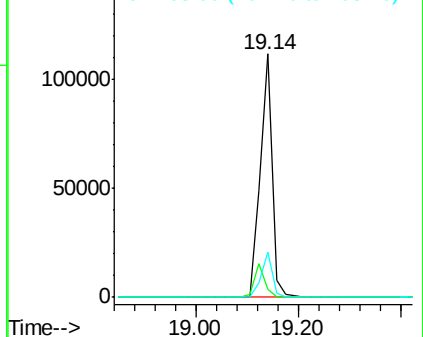
203 17.4 13.8 20.8



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



#26

Chrysene-d12

Concen: 5.00 ng

RT: 21.27 min Scan# 1197

Delta R.T. -0.00 min

Lab File: BM004132.D

Acq: 27 Jan 2016 13:49

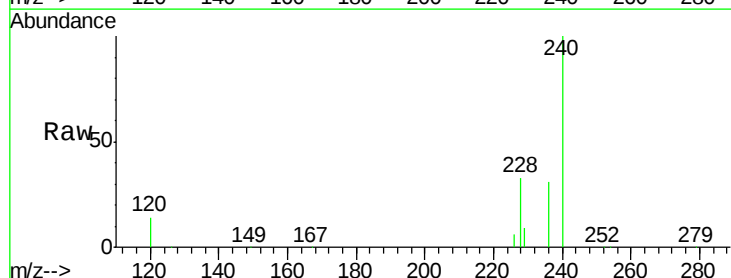
Tgt Ion: 240 Resp: 163130

Ion Ratio Lower Upper

240 100

120 14.0 0.9 1.3#

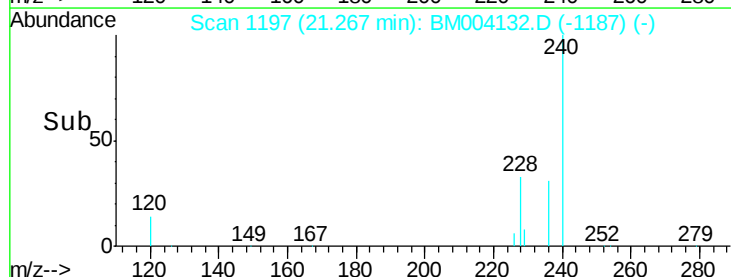
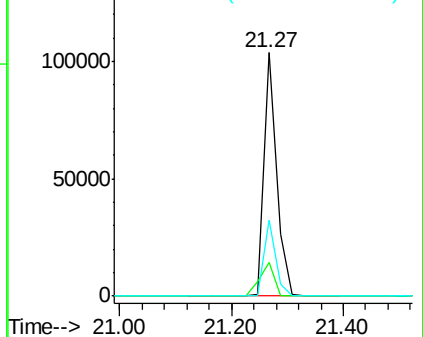
236 31.4 17.3 25.9#

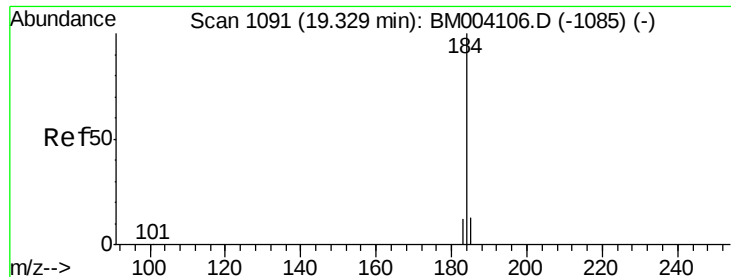


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#27

Benzidine

Concen: 7.57 ng

RT: 19.33 min Scan# 1091

Delta R.T. 0.00 min

Lab File: BM004132.D

Acq: 27 Jan 2016 13:49

Instrument :

BNA_M

ClientSampleId :

PB87989BS

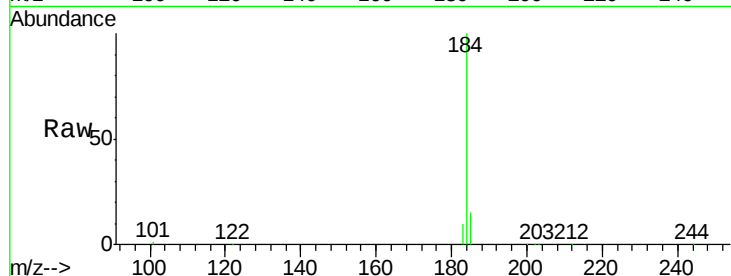
Tgt Ion:184 Resp: 113476

Ion Ratio Lower Upper

184 100

185 15.1 13.2 19.8

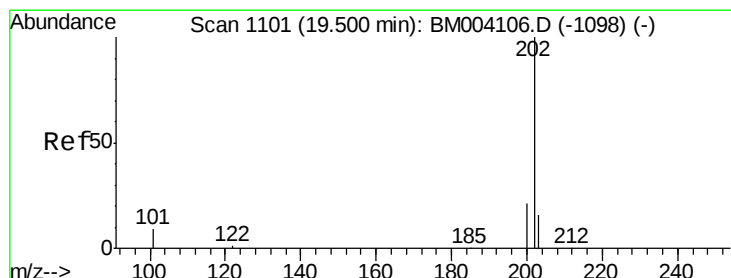
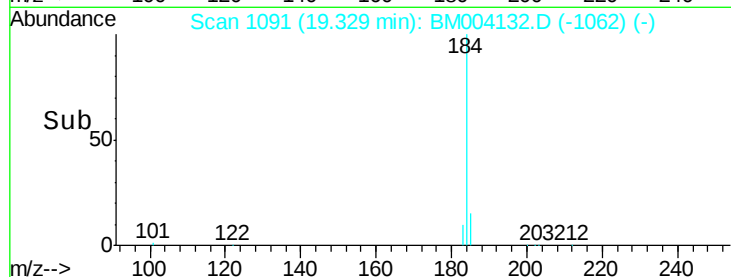
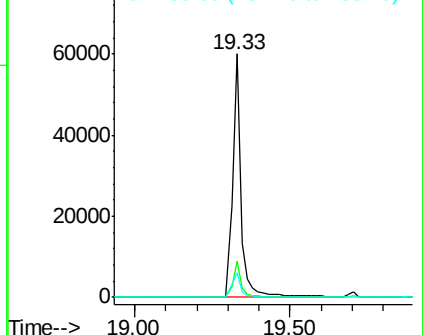
183 10.3 9.0 13.6



Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E



#28

Pyrene

Concen: 4.40 ng

RT: 19.50 min Scan# 1101

Delta R.T. 0.00 min

Lab File: BM004132.D

Acq: 27 Jan 2016 13:49

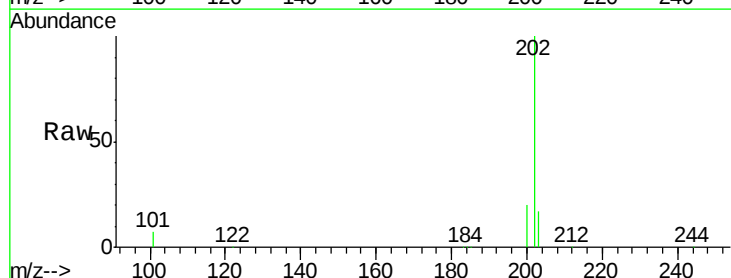
Tgt Ion:202 Resp: 198366

Ion Ratio Lower Upper

202 100

200 20.7 16.6 24.8

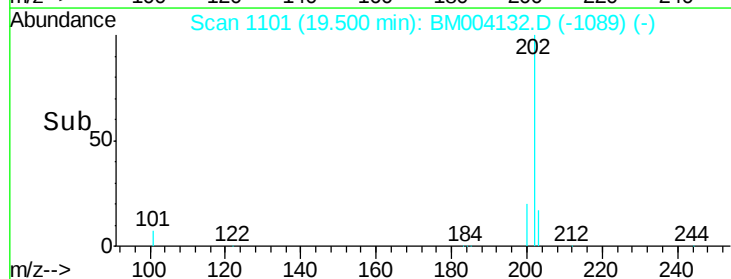
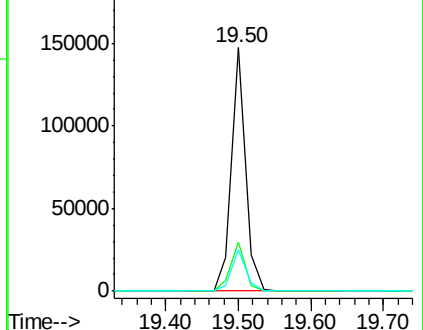
203 17.8 14.0 21.0

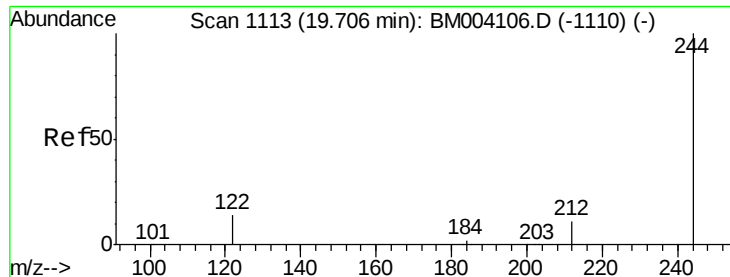


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#29

Terphenyl-d14

Concen: 4.18 ng

RT: 19.71 min Scan# 1113

Delta R.T. 0.00 min

Lab File: BM004132.D

Acq: 27 Jan 2016 13:49

Instrument :

BNA_M

ClientSampleId :

PB87989BS

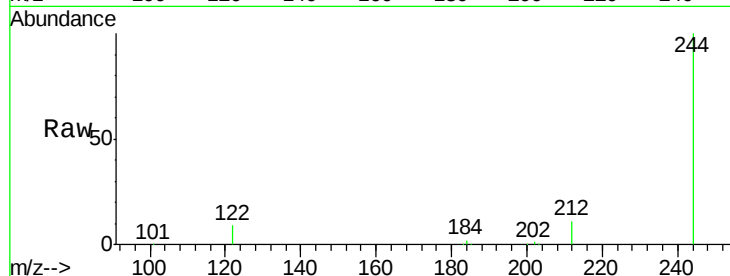
Tgt Ion:244 Resp: 86756

Ion Ratio Lower Upper

244 100

212 10.6 7.0 10.6#

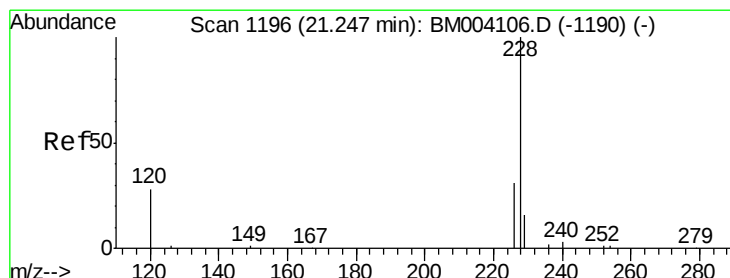
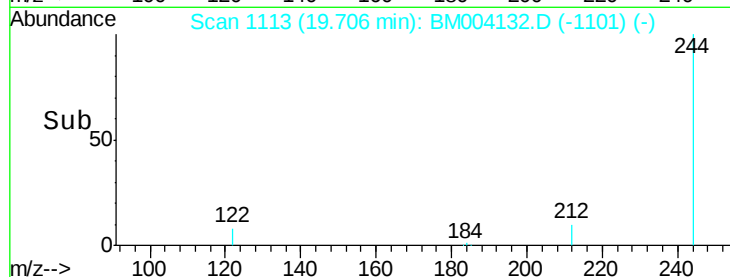
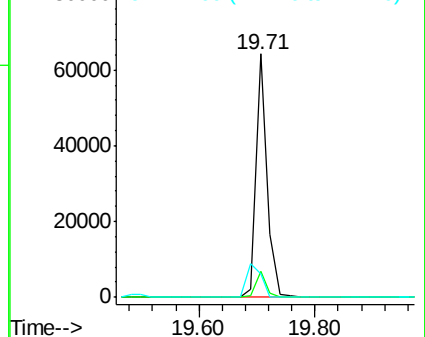
122 9.5 3.0 4.6#



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: 4.34 ng

RT: 21.25 min Scan# 1196

Delta R.T. 0.00 min

Lab File: BM004132.D

Acq: 27 Jan 2016 13:49

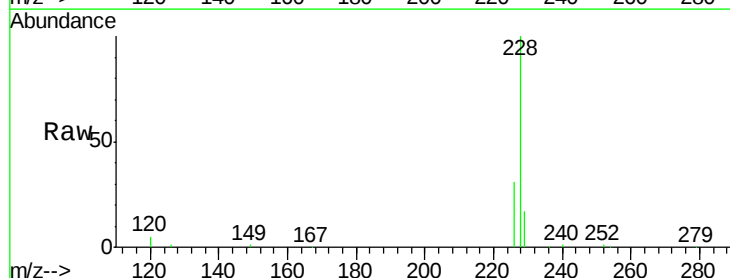
Tgt Ion:228 Resp: 206951

Ion Ratio Lower Upper

228 100

226 31.4 17.2 25.8#

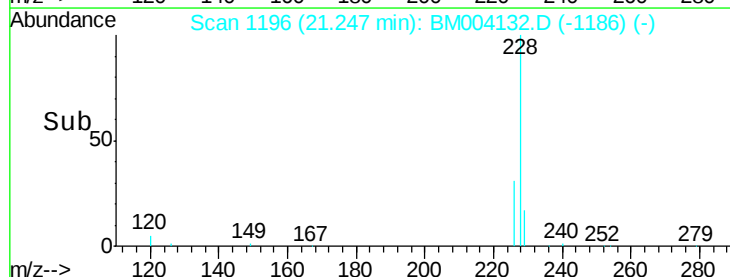
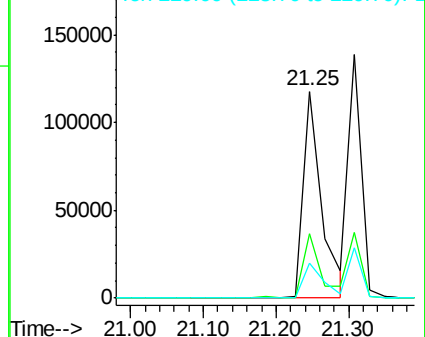
229 16.6 18.7 28.1#

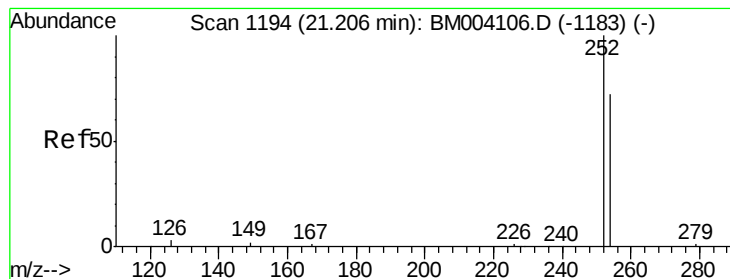


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#31

3,3'-Dichlorobenzidine

Concen: 4.21 ng

RT: 21.21 min Scan# 1194

Delta R.T. 0.00 min

Lab File: BM004132.D

Acq: 27 Jan 2016 13:49

Instrument :

BNA_M

ClientSampleId :

PB87989BS

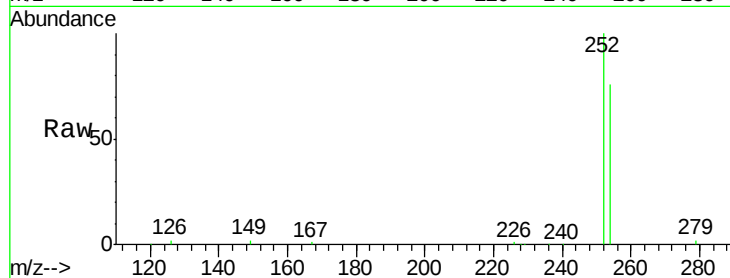
Tgt Ion:252 Resp: 52747

Ion Ratio Lower Upper

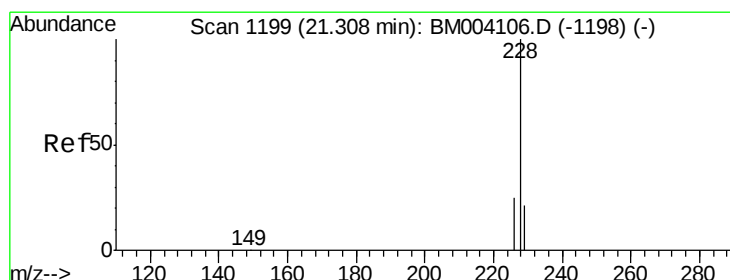
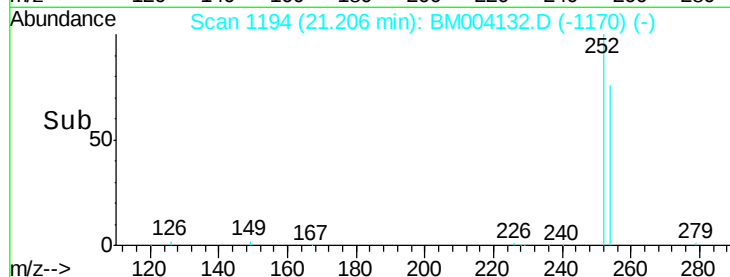
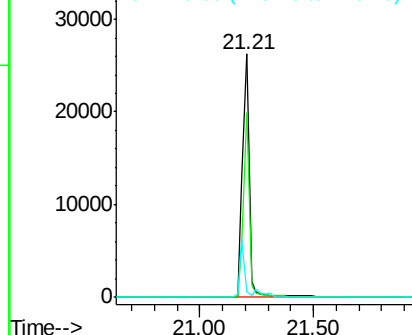
252 100

254 76.1 52.6 79.0

126 2.1 3.7 5.5#



Abundance Ion 252.00 (251.70 to 252.70): E
Ion 254.00 (253.70 to 254.70): E
Ion 126.00 (125.70 to 126.70): E



#32

Chrysene

Concen: 4.32 ng

RT: 21.31 min Scan# 1199

Delta R.T. 0.00 min

Lab File: BM004132.D

Acq: 27 Jan 2016 13:49

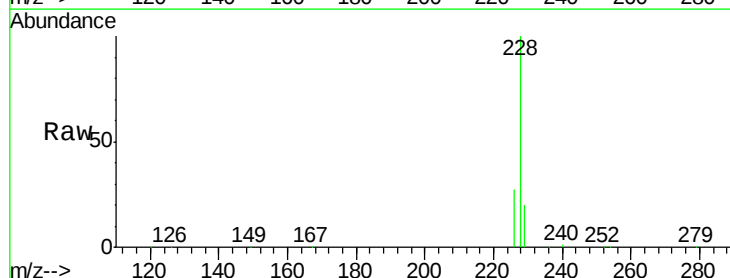
Tgt Ion:228 Resp: 177451

Ion Ratio Lower Upper

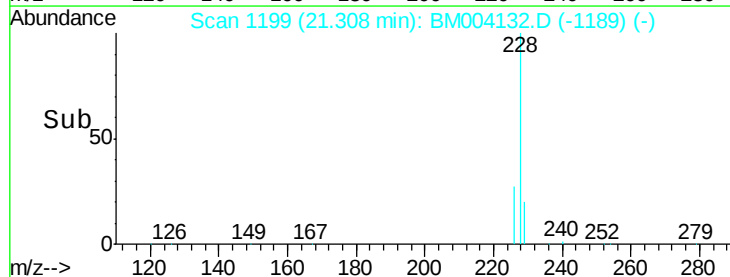
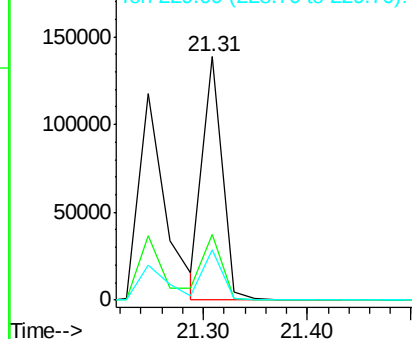
228 100

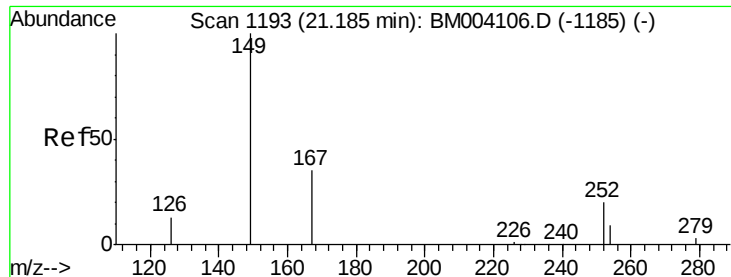
226 27.2 25.3 37.9

229 20.4 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: 4.21 ng

RT: 21.19 min Scan# 1193

Delta R.T. 0.00 min

Lab File: BM004132.D

Acq: 27 Jan 2016 13:49

Instrument :

BNA_M

ClientSampleId :

PB87989BS

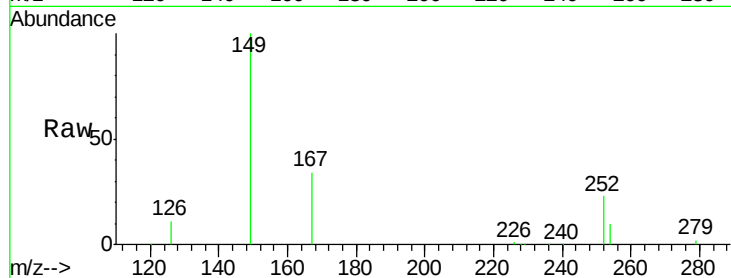
Tgt Ion:149 Resp: 90594

Ion Ratio Lower Upper

149 100

167 29.8 20.1 30.1

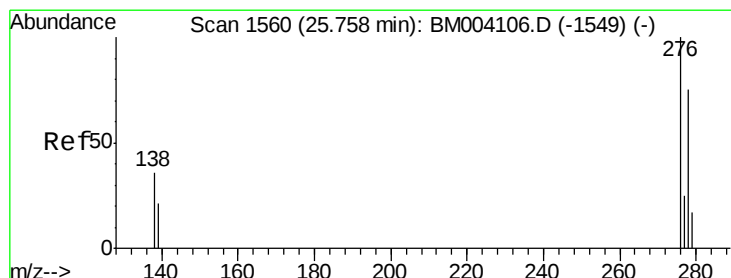
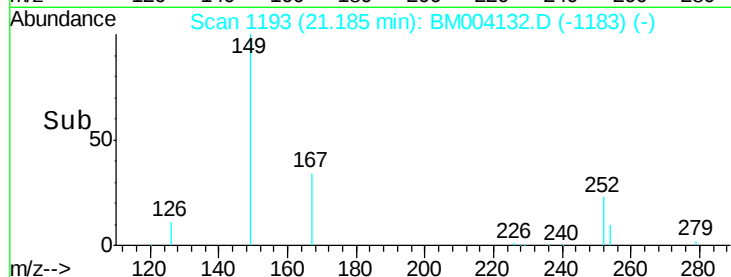
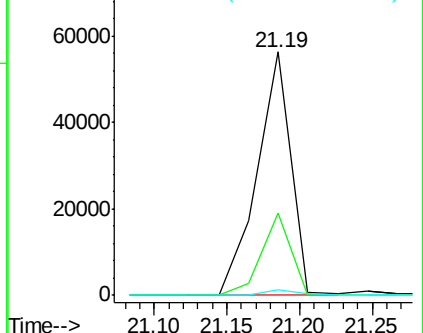
279 2.1 1.8 2.6



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: 3.87 ng

RT: 25.76 min Scan# 1559

Delta R.T. 0.00 min

Lab File: BM004132.D

Acq: 27 Jan 2016 13:49

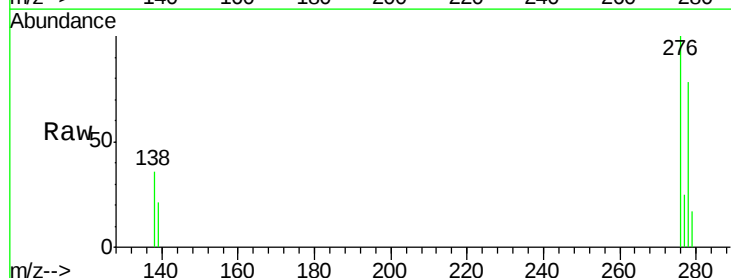
Tgt Ion:276 Resp: 189585

Ion Ratio Lower Upper

276 100

138 37.4 30.2 45.2

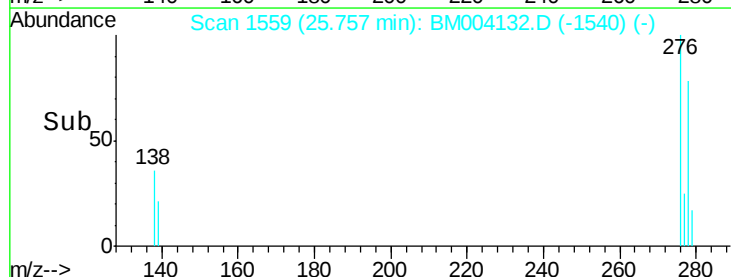
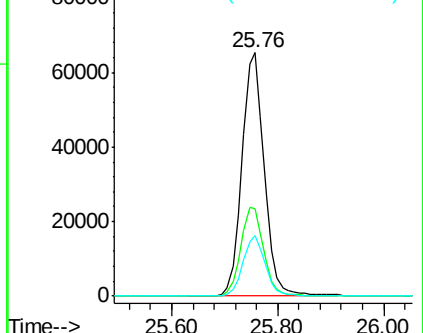
277 24.7 19.8 29.8

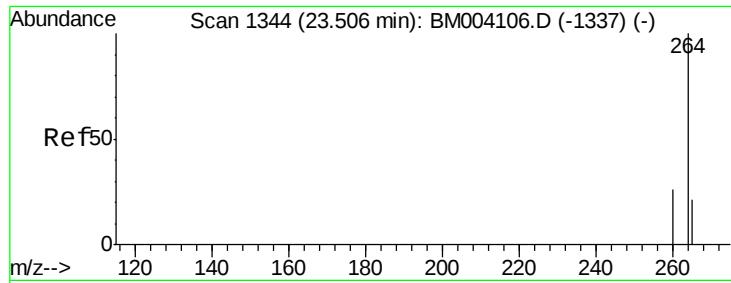


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E

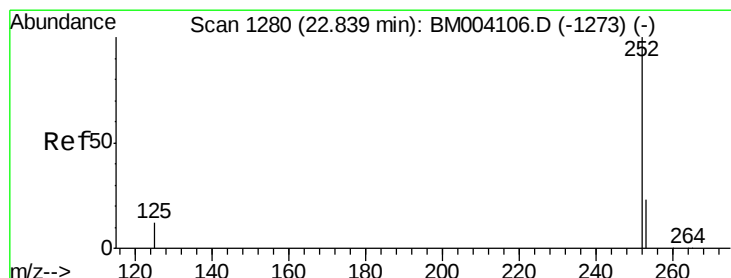
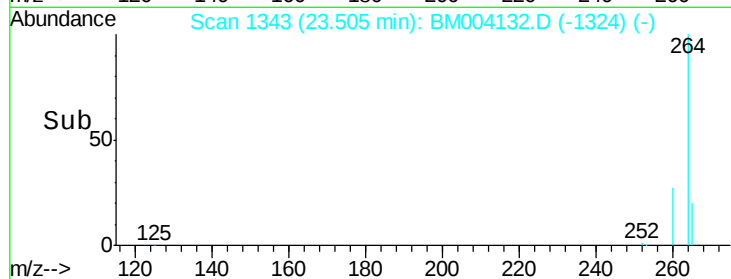
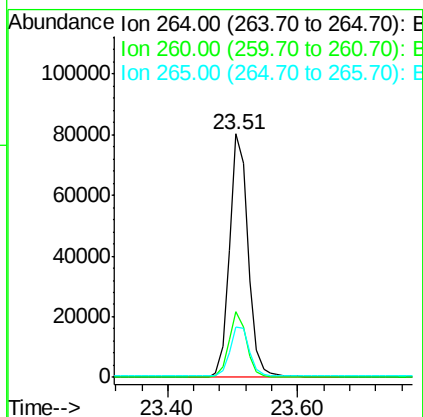
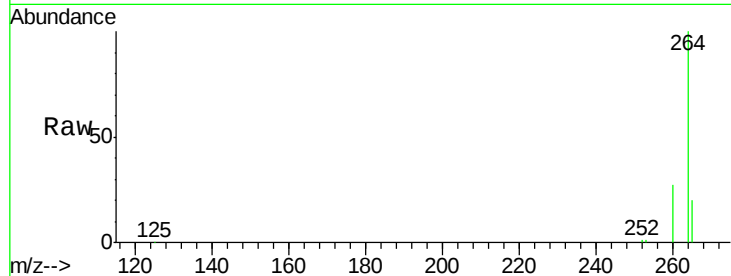




#35
 Perylene-d12
 Concen: 5.00 ng
 RT: 23.51 min Scan# 1343
 Delta R.T. -0.00 min
 Lab File: BM004132.D
 Acq: 27 Jan 2016 13:49

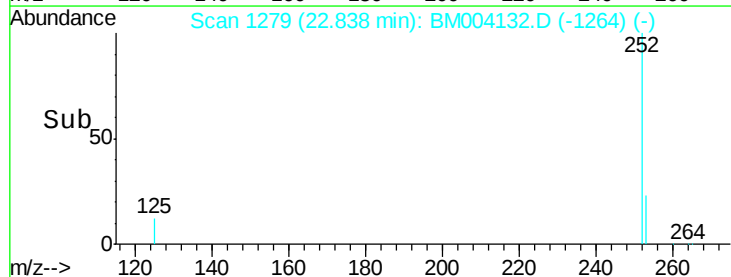
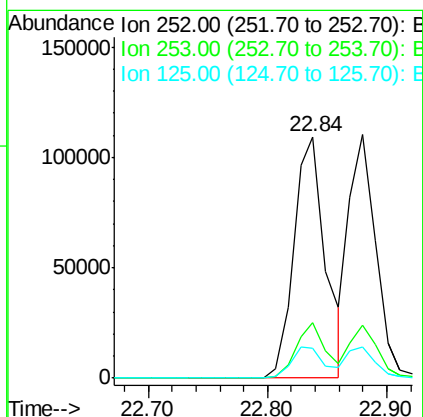
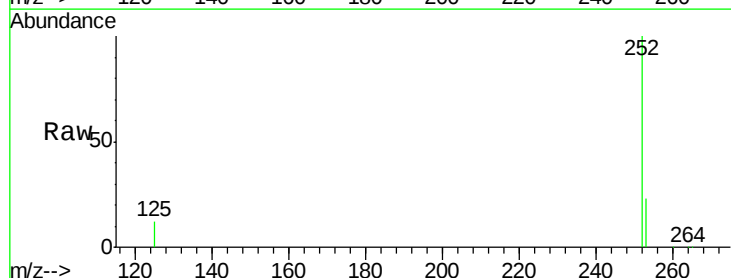
Instrument :
 BNA_M
 ClientSampleId :
 PB87989BS

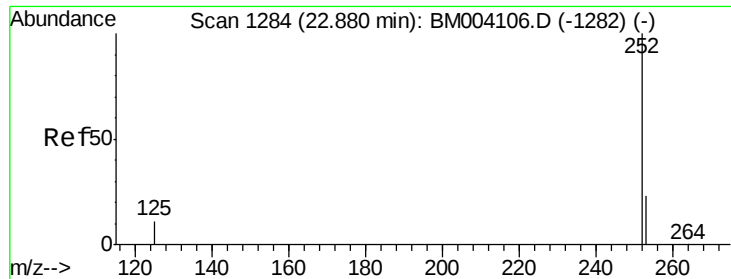
Tgt Ion: 264 Resp: 157444
 Ion Ratio Lower Upper
 264 100
 260 26.8 21.2 31.8
 265 20.5 16.7 25.1



#36
 Benzo(b)fluoranthene
 Concen: 4.13 ng
 RT: 22.84 min Scan# 1279
 Delta R.T. -0.00 min
 Lab File: BM004132.D
 Acq: 27 Jan 2016 13:49

Tgt Ion: 252 Resp: 201562
 Ion Ratio Lower Upper
 252 100
 253 22.7 18.8 28.2
 125 12.4 10.2 15.4





#37

Benzo(k)fluoranthene

Concen: 3.94 ng

RT: 22.88 min Scan# 1283

Delta R.T. -0.00 min

Lab File: BM004132.D

Acq: 27 Jan 2016 13:49

Instrument :

BNA_M

ClientSampleId :

PB87989BS

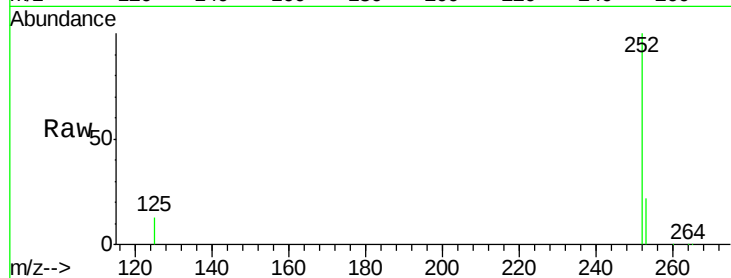
Tgt Ion:252 Resp: 174128

Ion Ratio Lower Upper

252 100

253 21.9 18.3 27.5

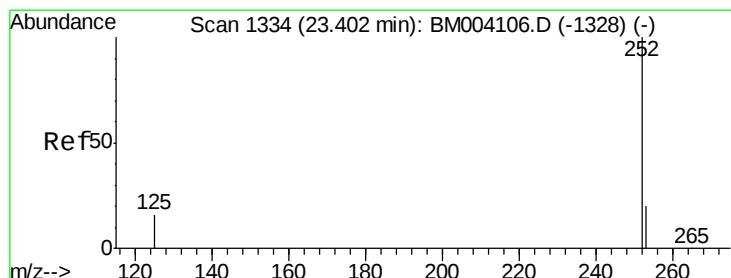
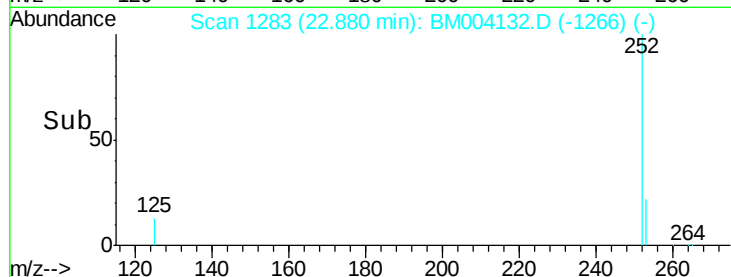
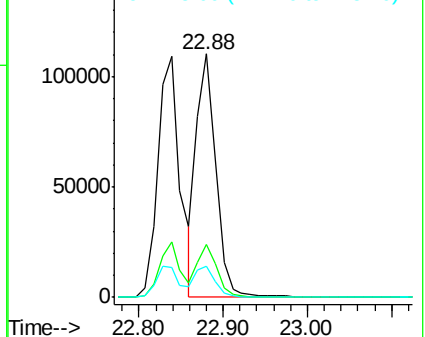
125 12.9 10.6 15.8



Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#38

Benzo(a)pyrene

Concen: 4.16 ng

RT: 23.41 min Scan# 1334

Delta R.T. 0.01 min

Lab File: BM004132.D

Acq: 27 Jan 2016 13:49

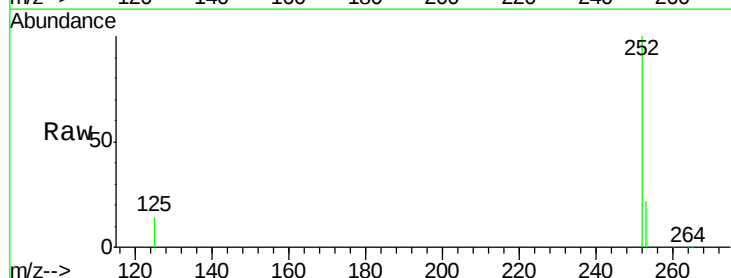
Tgt Ion:252 Resp: 178798

Ion Ratio Lower Upper

252 100

253 22.4 18.7 28.1

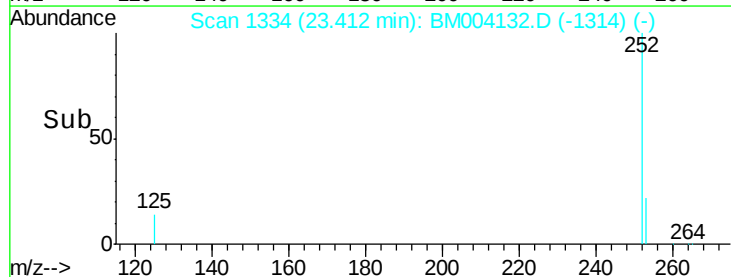
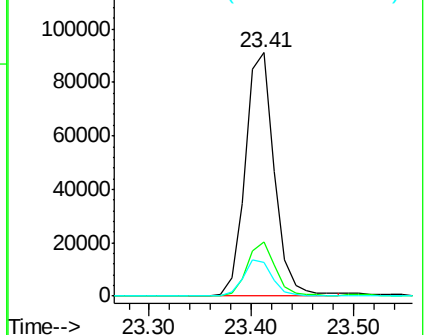
125 13.9 11.8 17.8

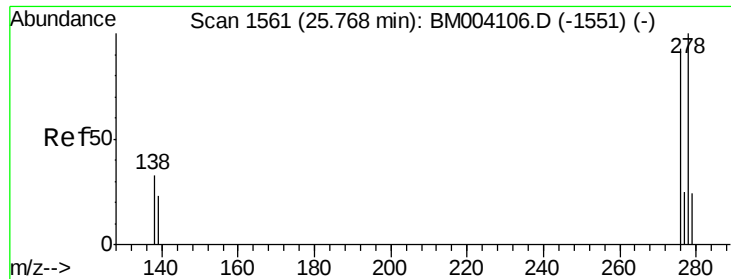


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#39

Dibenzo(a,h)anthracene

Concen: 3.87 ng

RT: 25.77 min Scan# 1560

Delta R.T. -0.00 min

Lab File: BM004132.D

Acq: 27 Jan 2016 13:49

Instrument :

BNA_M

ClientSampleId :

PB87989BS

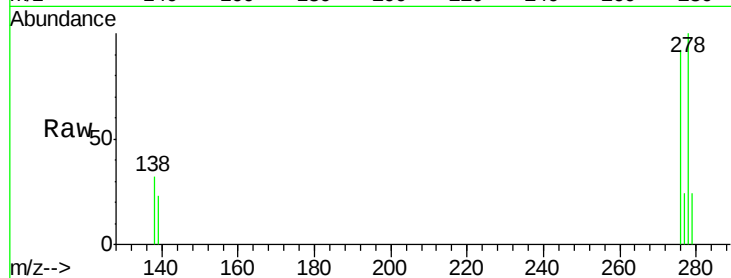
Tgt Ion: 278 Resp: 149600

Ion Ratio Lower Upper

278 100

139 22.9 19.0 28.6

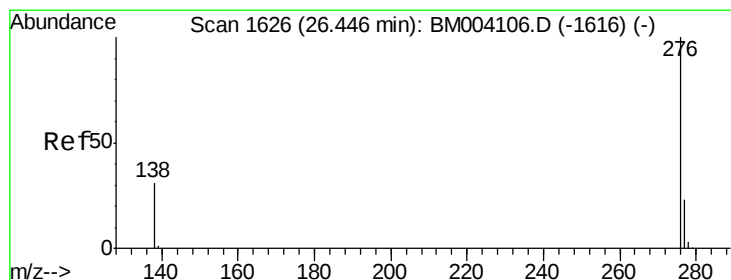
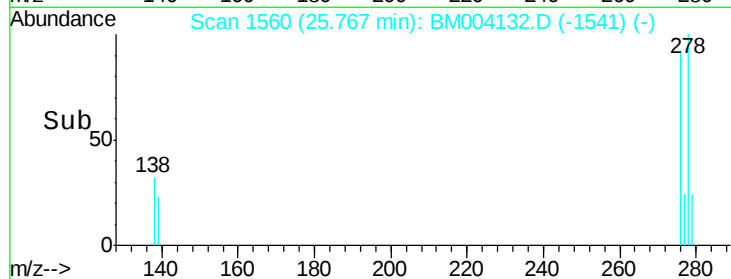
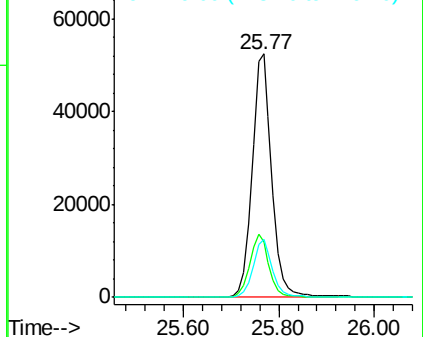
279 23.7 19.6 29.4



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(g,h,i)perylene

Concen: 3.84 ng

RT: 26.45 min Scan# 1625

Delta R.T. -0.00 min

Lab File: BM004132.D

Acq: 27 Jan 2016 13:49

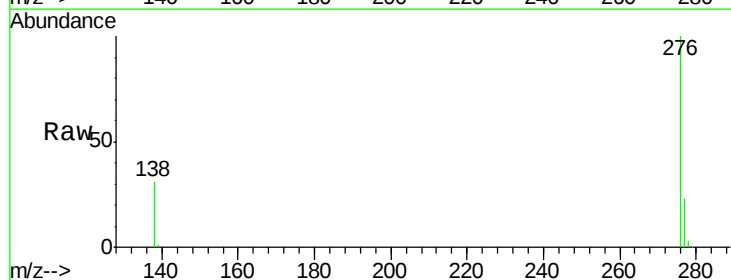
Tgt Ion: 276 Resp: 162056

Ion Ratio Lower Upper

276 100

277 23.4 19.1 28.7

138 31.3 25.0 37.4



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

