

Data Path : Z:\HPCHEM1\BNA M\DATA\BM012216\
 Data File : BM004112.D
 Acq On : 22 Jan 2016 15:51
 Operator : SJ/UM
 Sample : PB87902BS
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 PB87902BS

Quant Time: Jan 22 17:35:19 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	24676	5.00	ng	0.00
7) Naphthalene-d8	10.44	136	114281	5.00	ng	0.00
13) Acenaphthene-d10	14.31	164	68177	5.00	ng	0.00
19) Phenanthrene-d10	17.06	188	181565	5.00	ng	0.00
26) Chrysene-d12	21.27	240	180169	5.00	ng	0.00
35) Perylene-d12	23.51	264	178465	5.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) 2-Fluorophenol	5.25	112	33714	6.55	ng	-0.02
5) Phenol-d6	6.83	99	44423	7.15	ng	-0.02
8) Nitrobenzene-d5	8.82	82	19057	3.81	ng	-0.01
14) 2,4,6-Tribromophenol	15.82	330	14774	5.61	ng	0.00
15) 2-Fluorobiphenyl	12.93	172	71050	3.40	ng	0.00
29) Terphenyl-d14	19.71	244	79536	3.47	ng	0.00

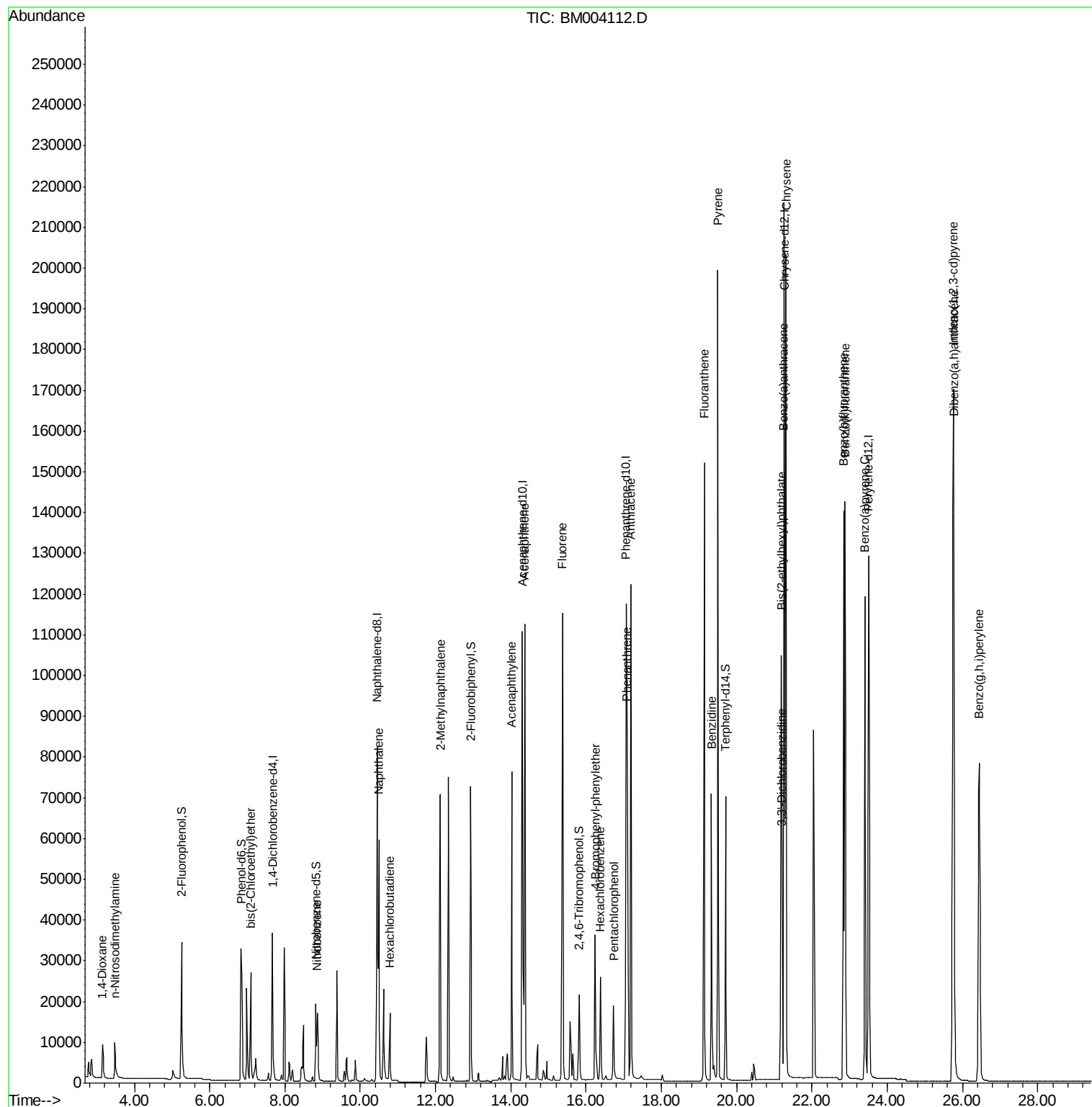
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) 1,4-Dioxane	3.15	88	7386	3.29	ng	95
3) n-Nitrosodimethylamine	3.48	42	8062	3.66	ng	94
6) bis(2-Chloroethyl)ether	7.09	93	20433	3.55	ng	99
9) Nitrobenzene	8.86	77	20468	2.96	ng	99
10) Naphthalene	10.49	128	82803	3.11	ng	97
11) Hexachlorobutadiene	10.79	225	12474	3.04	ng	99
12) 2-Methylnaphthalene	12.12	142	59410	3.41	ng	97
16) Acenaphthylene	14.02	152	101104	3.44	ng	100
17) Acenaphthene	14.37	154	66732	3.00	ng	99
18) Fluorene	15.37	166	82278	3.04	ng	98
20) 4-Bromophenyl-phenylether	16.24	248	20455	3.46	ng	# 72
21) Hexachlorobenzene	16.37	284	20587	3.31	ng	# 63
22) Pentachlorophenol	16.73	266	15360	6.20	ng	91
23) Phenanthrene	17.09	178	124109	3.50	ng	98
24) Anthracene	17.19	178	151051	3.64	ng	99
25) Fluoranthene	19.14	202	164094	3.34	ng	99
27) Benzidine	19.33	184	99320	6.52	ng	97
28) Pyrene	19.50	202	185143	3.71	ng	100
30) Benzo(a)anthracene	21.25	228	176963	3.35	ng	# 81
31) 3,3'-Dichlorobenzidine	21.21	252	50286	3.74	ng	# 89
32) Chrysene	21.31	228	173913	3.82	ng	94
33) Bis(2-ethylhexyl)phthalate	21.19	149	92592	3.98	ng	92
34) Indeno(1,2,3-cd)pyrene	25.76	276	180797	3.35	ng	100
36) Benzo(b)fluoranthene	22.84	252	182859	3.30	ng	98
37) Benzo(k)fluoranthene	22.88	252	165528	3.30	ng	98
38) Benzo(a)pyrene	23.41	252	165601	3.40	ng	98
39) Dibenzo(a,h)anthracene	25.77	278	145860	3.33	ng	98
40) Benzo(g,h,i)perylene	26.45	276	153606	3.21	ng	99

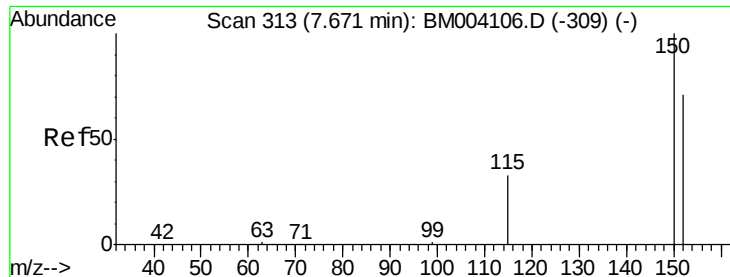
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Instrument :
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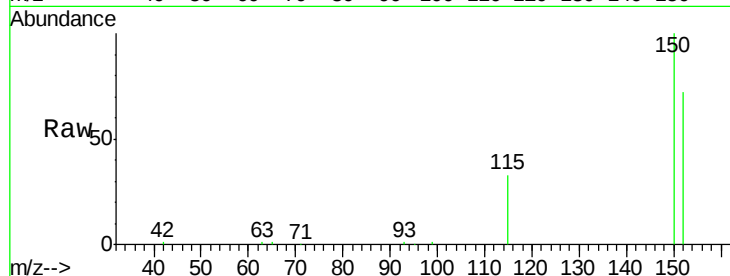


#1

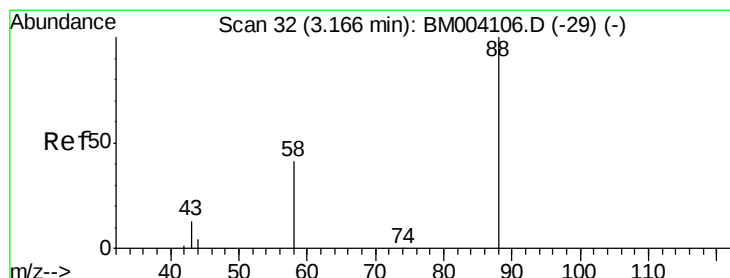
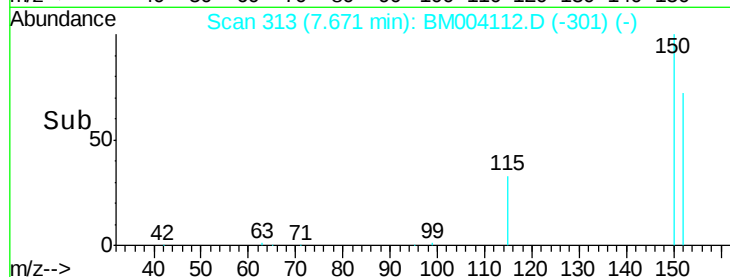
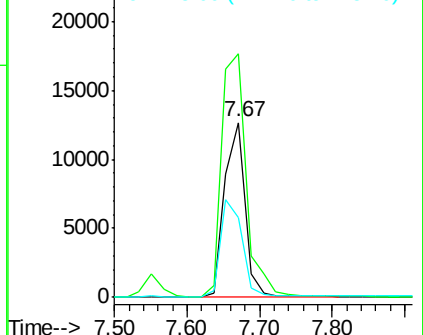
1,4-Dichlorobenzene-d4
Concen: 5.00 ng
RT: 7.67 min Scan# 313
Delta R.T. -0.00 min
Lab File: BM004112.D
Acq: 22 Jan 2016 15:51

Instrument :
BNA_M
ClientSampleId :
PB87902BS

Tot Ion:152 Resp: 24676
Ion Ratio Lower Upper
152 100
150 139.4 122.9 184.3
115 46.0 44.4 66.6



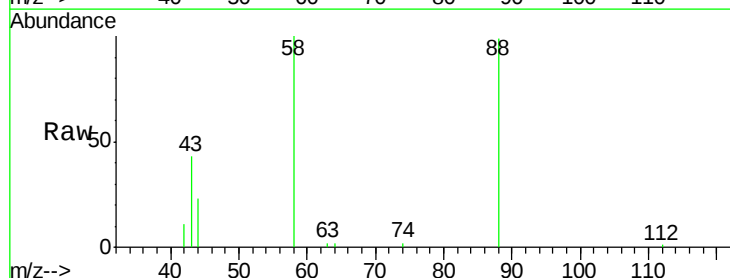
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



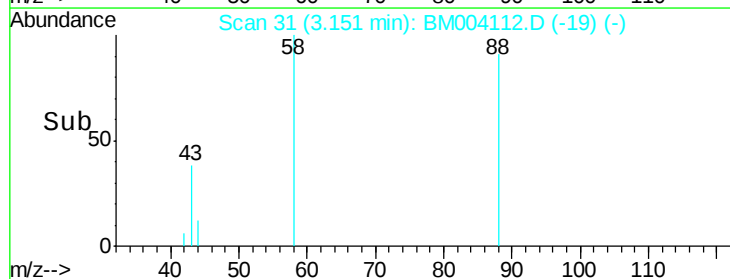
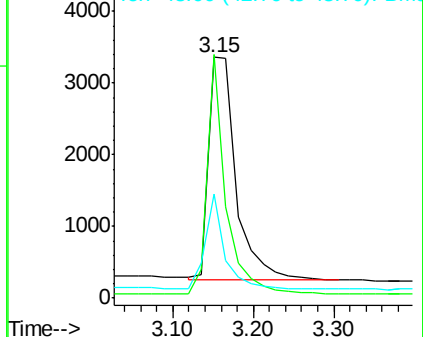
#2

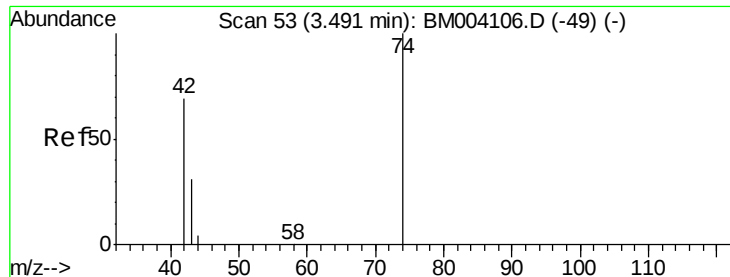
1,4-Dioxane
Concen: 3.29 ng
RT: 3.15 min Scan# 31
Delta R.T. -0.02 min
Lab File: BM004112.D
Acq: 22 Jan 2016 15:51

Tgt Ion: 88 Resp: 7386
Ion Ratio Lower Upper
88 100
58 72.2 53.8 80.6
43 30.0 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: 3.66 ng

RT: 3.48 min Scan# 52

Delta R.T. -0.02 min

Lab File: BM004112.D

Acq: 22 Jan 2016 15:51

Instrument :

BNA_M

ClientSampleId :

PB87902BS

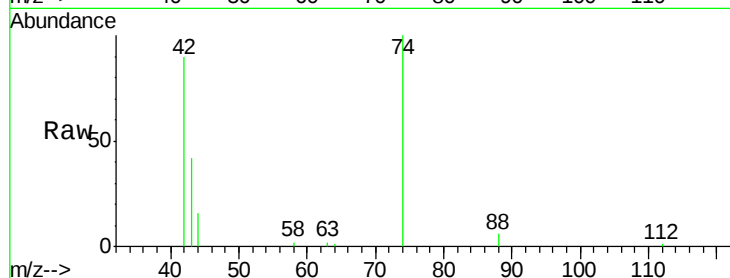
Tot Ion: 42 Resp: 8062

Ion Ratio Lower Upper

42 100

74 125.4 95.0 142.4

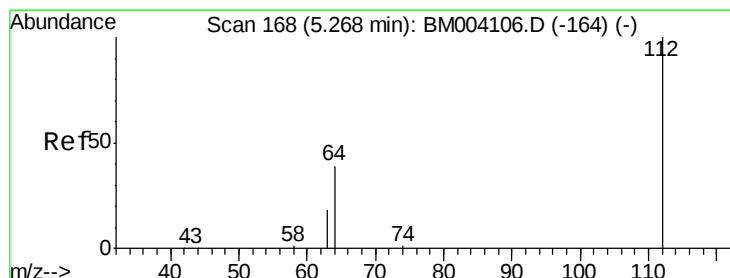
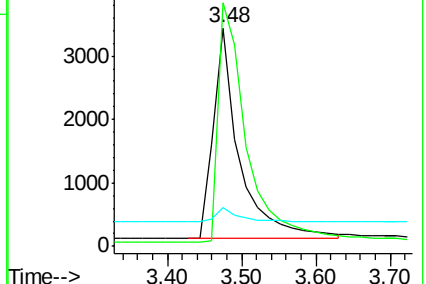
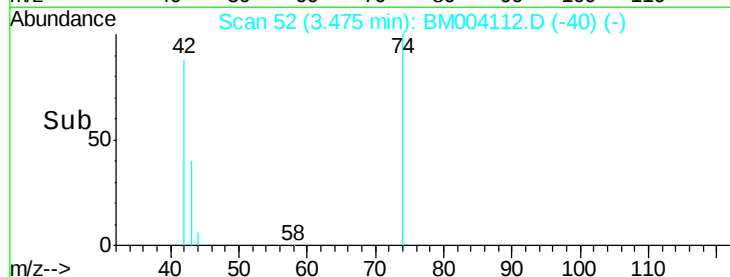
44 6.7 5.1 7.7



Abundance Ion 42.00 (41.70 to 42.70): BM004112.D (-40) (-)

Ion 74.00 (73.70 to 74.70): BM004112.D (-40) (-)

Ion 44.00 (43.70 to 44.70): BM004112.D (-40) (-)



#4

2-Fluorophenol

Concen: 6.55 ng

RT: 5.25 min Scan# 167

Delta R.T. -0.02 min

Lab File: BM004112.D

Acq: 22 Jan 2016 15:51

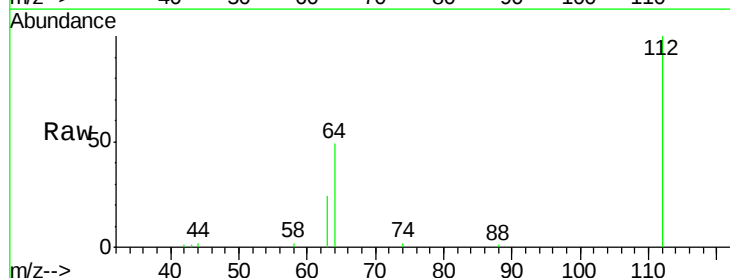
Tgt Ion: 112 Resp: 33714

Ion Ratio Lower Upper

112 100

64 52.2 41.8 62.8

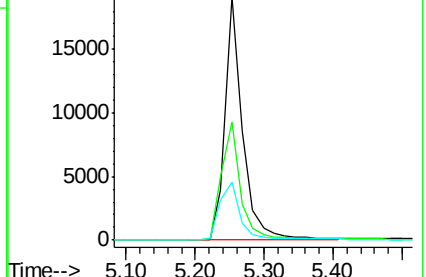
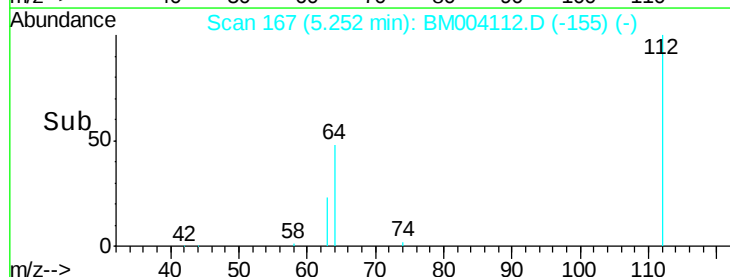
63 27.3 22.1 33.1

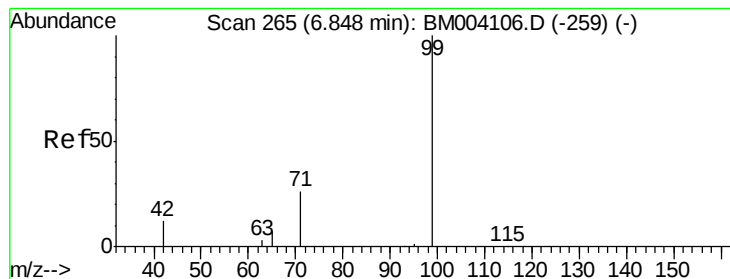


Abundance Ion 112.00 (111.70 to 112.70): BM004112.D (-155) (-)

Ion 64.00 (63.70 to 64.70): BM004112.D (-155) (-)

Ion 63.00 (62.70 to 63.70): BM004112.D (-155) (-)





#5

Phenol-d6

Concen: 7.15 ng

RT: 6.83 min Scan# 264

Delta R.T. -0.02 min

Lab File: BM004112.D

Acq: 22 Jan 2016 15:51

Instrument :

BNA_M

ClientSampled :

PB87902BS

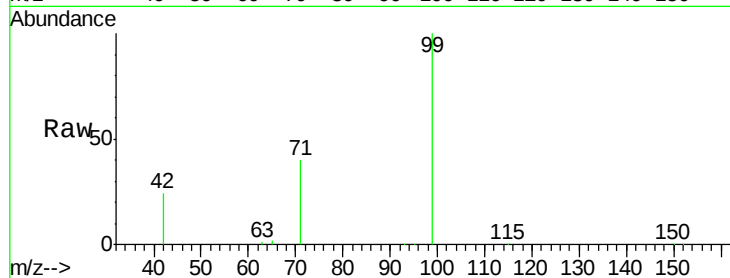
Tot Ion: 99 Resp: 44423

Ion Ratio Lower Upper

99 100

42 18.5 16.2 24.2

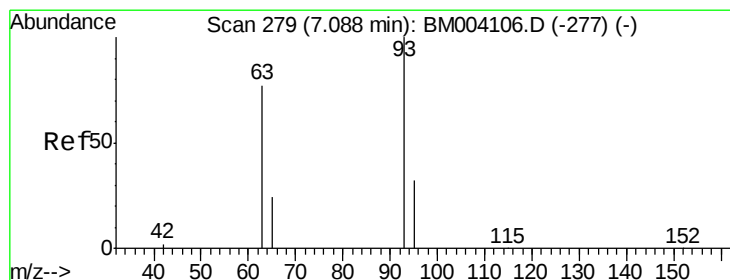
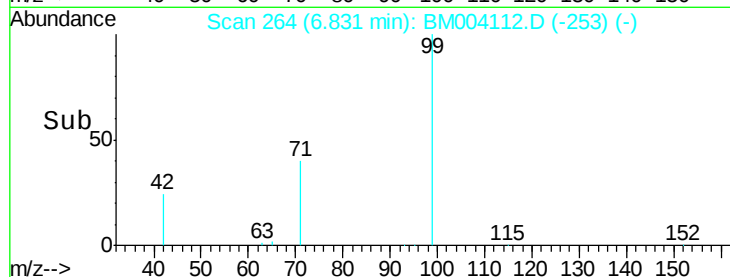
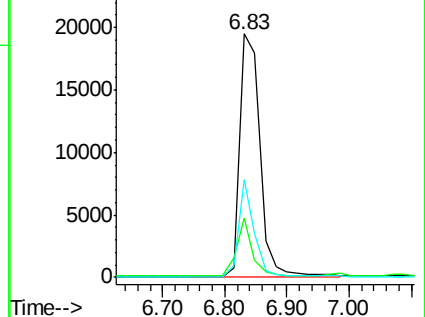
71 30.7 24.4 36.6



Abundance Ion 99.00 (98.70 to 99.70): BM004112.D (-253) (-)

Ion 42.00 (41.70 to 42.70): BM004112.D (-253) (-)

Ion 71.00 (70.70 to 71.70): BM004112.D (-253) (-)



#6

bis(2-Chloroethyl)ether

Concen: 3.55 ng

RT: 7.09 min Scan# 279

Delta R.T. -0.00 min

Lab File: BM004112.D

Acq: 22 Jan 2016 15:51

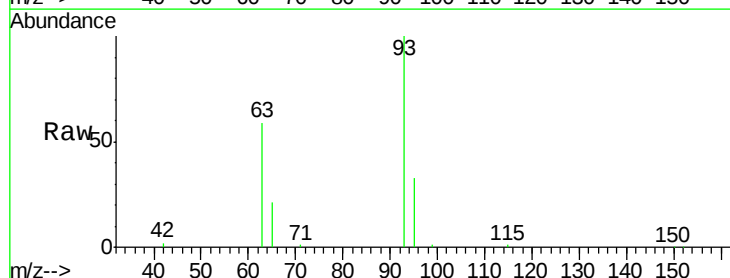
Tgt Ion: 93 Resp: 20433

Ion Ratio Lower Upper

93 100

63 73.2 58.3 87.5

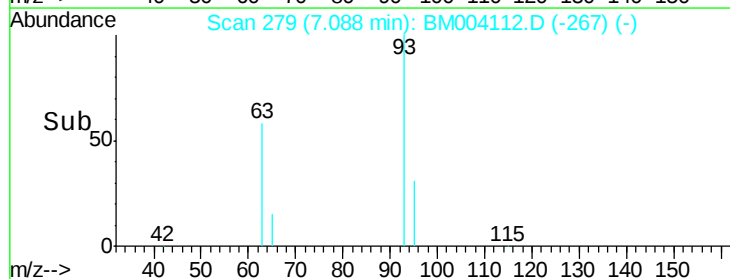
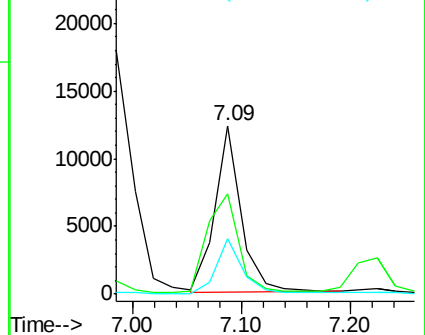
95 32.9 25.8 38.8

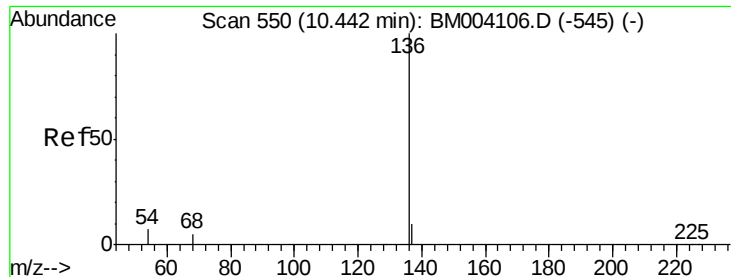


Abundance Ion 93.00 (92.70 to 93.70): BM004112.D (-267) (-)

Ion 63.00 (62.70 to 63.70): BM004112.D (-267) (-)

Ion 95.00 (94.70 to 95.70): BM004112.D (-267) (-)





#7

Naphthalene-d8

Concen: 5.00 ng

RT: 10.44 min Scan# 550

Delta R.T. -0.00 min

Lab File: BM004112.D

Acq: 22 Jan 2016 15:51

Instrument :

BNA_M

ClientSampleId :

PB87902BS

Tot Ion:136 Resp: 114281

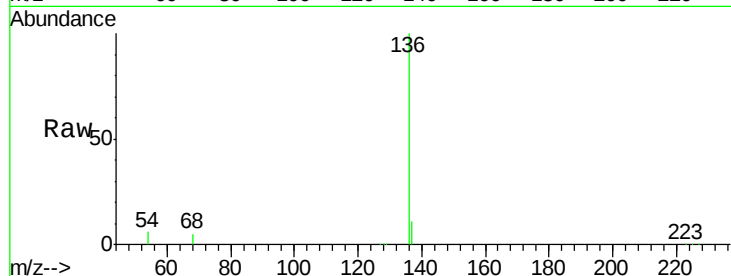
Ion Ratio Lower Upper

136 100

137 10.6 9.2 13.8

54 6.5 2.8 4.2#

68 5.1 2.5 3.7#

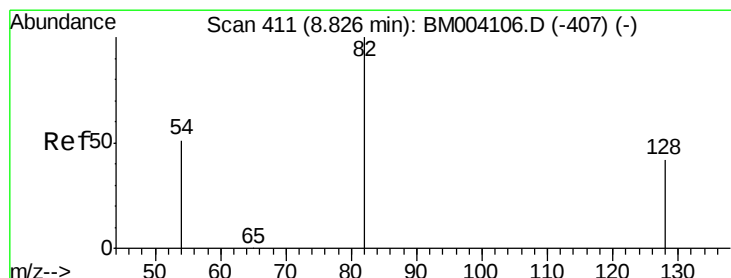
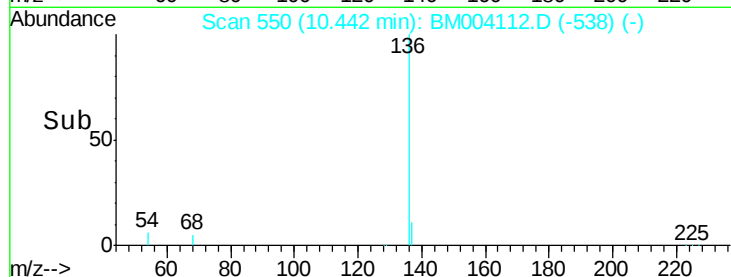
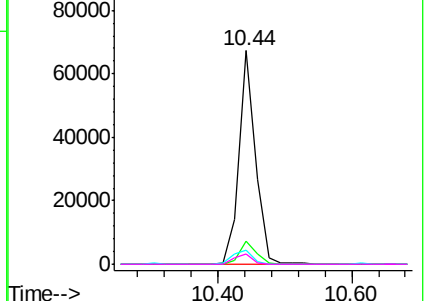


Abundance Ion 136.00 (135.70 to 136.70): E

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: 3.81 ng

RT: 8.82 min Scan# 410

Delta R.T. -0.01 min

Lab File: BM004112.D

Acq: 22 Jan 2016 15:51

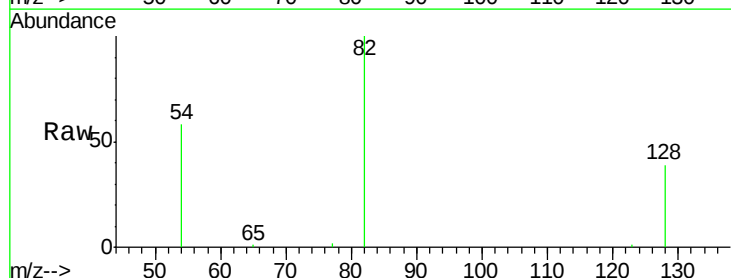
Tgt Ion: 82 Resp: 19057

Ion Ratio Lower Upper

82 100

128 38.6 39.1 58.7#

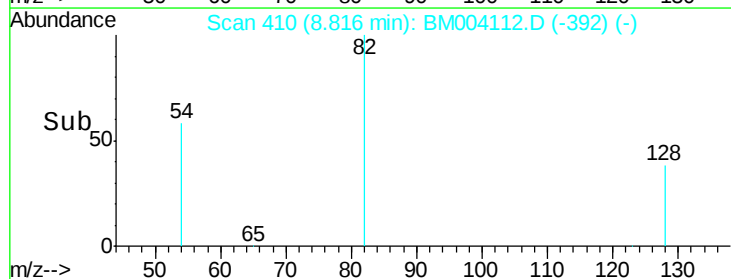
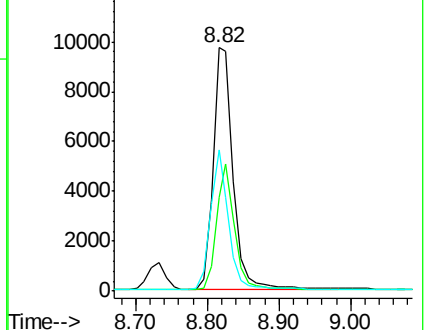
54 58.2 34.8 52.2#

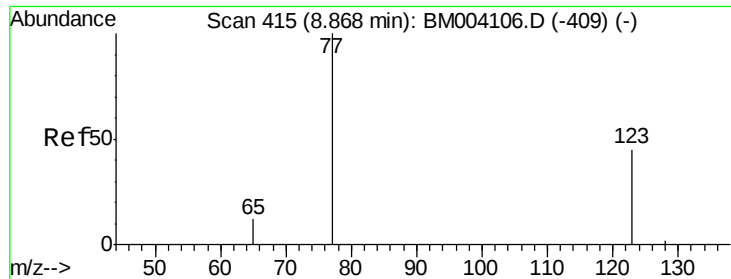


Abundance Ion 82.00 (81.70 to 82.70): BM

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BM





#9

Nitrobenzene

Concen: 2.96 ng

RT: 8.86 min Scan# 414

Delta R.T. -0.01 min

Lab File: BM004112.D

Acq: 22 Jan 2016 15:51

Instrument :

BNA_M

ClientSampleId :

PB87902BS

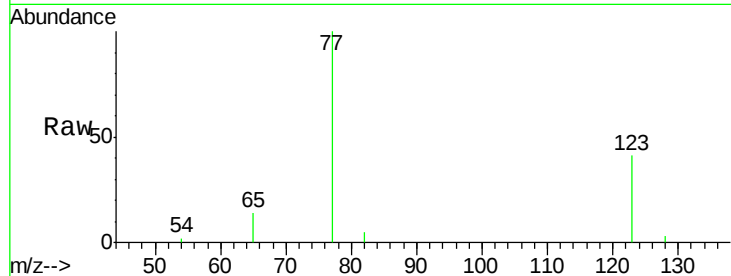
Tot Ion: 77 Resp: 20468

Ion Ratio Lower Upper

77 100

123 49.2 38.6 57.8

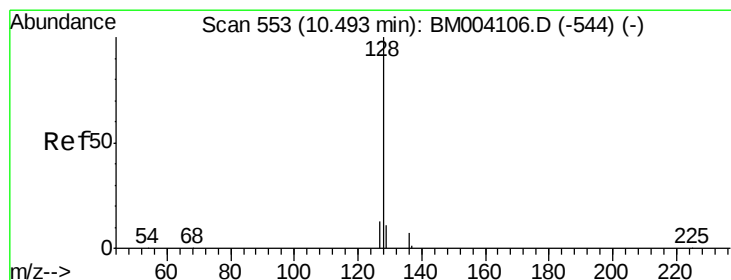
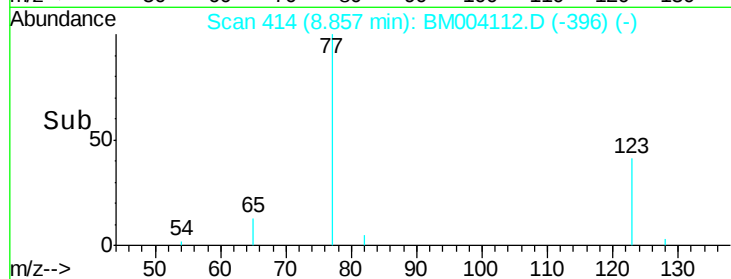
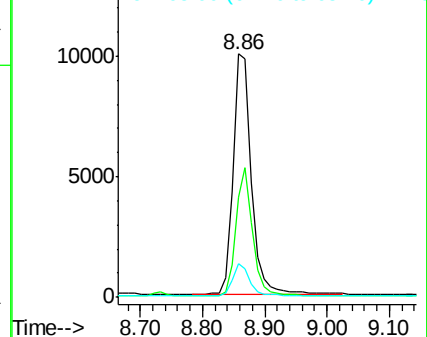
65 12.6 9.9 14.9



Abundance Ion 77.00 (76.70 to 77.70): BM004112.D (-396) (-)

Ion 123.00 (122.70 to 123.70): BM004112.D (-396) (-)

Ion 65.00 (64.70 to 65.70): BM004112.D (-396) (-)



#10

Naphthalene

Concen: 3.11 ng

RT: 10.49 min Scan# 553

Delta R.T. -0.00 min

Lab File: BM004112.D

Acq: 22 Jan 2016 15:51

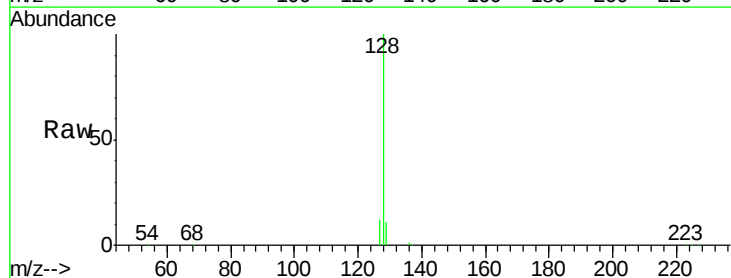
Tgt Ion: 128 Resp: 82803

Ion Ratio Lower Upper

128 100

129 11.2 8.5 12.7

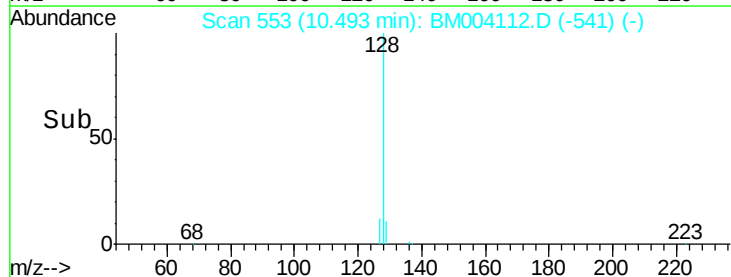
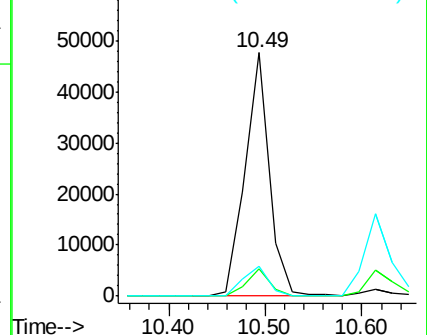
127 12.3 11.0 16.4

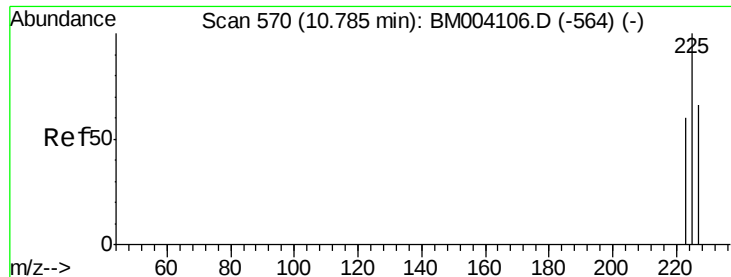


Abundance Ion 128.00 (127.70 to 128.70): BM004112.D (-541) (-)

Ion 129.00 (128.70 to 129.70): BM004112.D (-541) (-)

Ion 127.00 (126.70 to 127.70): BM004112.D (-541) (-)

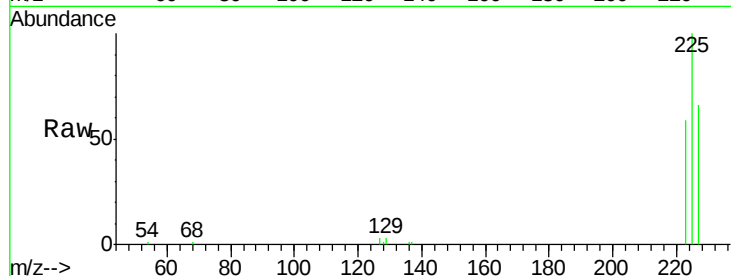




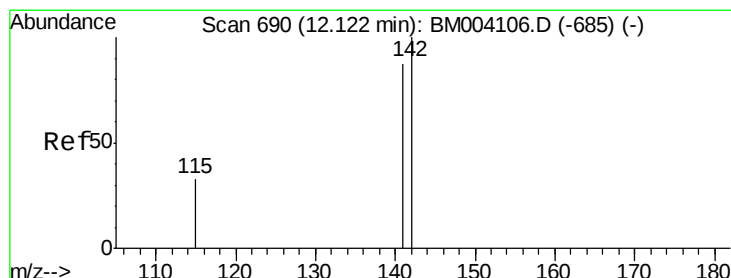
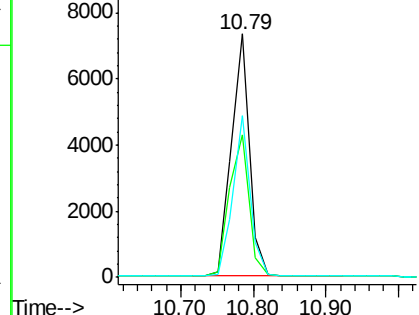
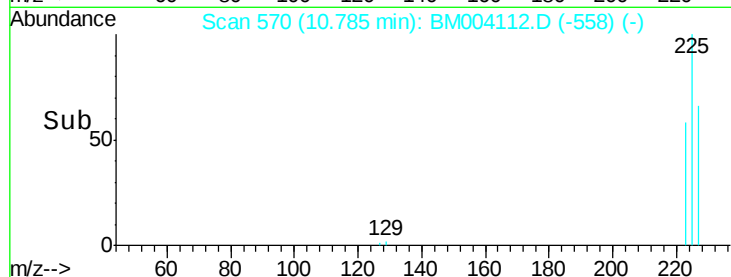
#11
Hexachlorobutadiene
Concen: 3.04 ng
RT: 10.79 min Scan# 570
Delta R.T. -0.00 min
Lab File: BM004112.D
Acq: 22 Jan 2016 15:51

Instrument :
BNA_M
ClientSampleId :
PB87902BS

Tot Ion:225 Resp: 12474
Ion Ratio Lower Upper
225 100
223 62.9 50.9 76.3
227 63.4 51.2 76.8

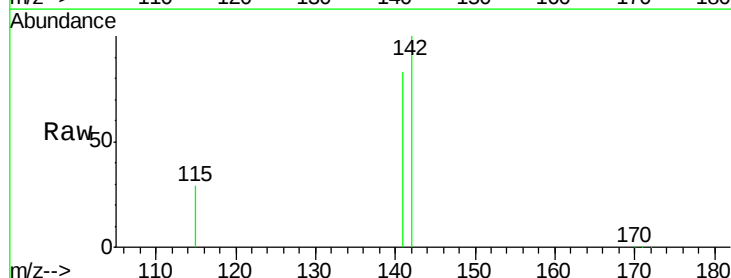


Abundance Ion 225.00 (224.70 to 225.70): E
Ion 223.00 (222.70 to 223.70): E
Ion 227.00 (226.70 to 227.70): E

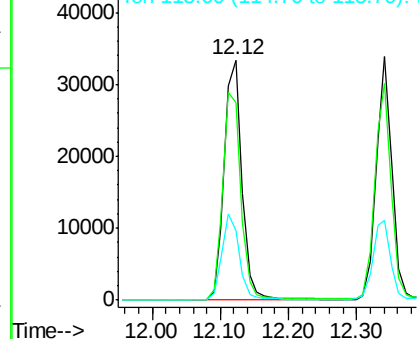
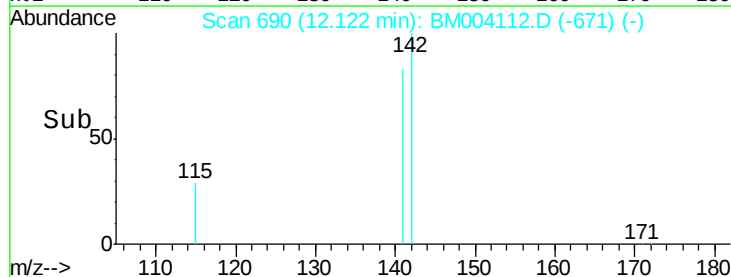


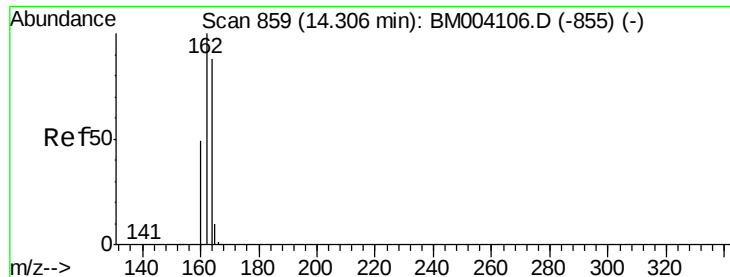
#12
2-Methylnaphthalene
Concen: 3.41 ng
RT: 12.12 min Scan# 690
Delta R.T. -0.00 min
Lab File: BM004112.D
Acq: 22 Jan 2016 15:51

Tgt Ion:142 Resp: 59410
Ion Ratio Lower Upper
142 100
141 82.5 67.8 101.8
115 29.2 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: 14.31 min Scan# 859

Delta R.T. -0.00 min

Lab File: BM004112.D

Acq: 22 Jan 2016 15:51

Instrument :

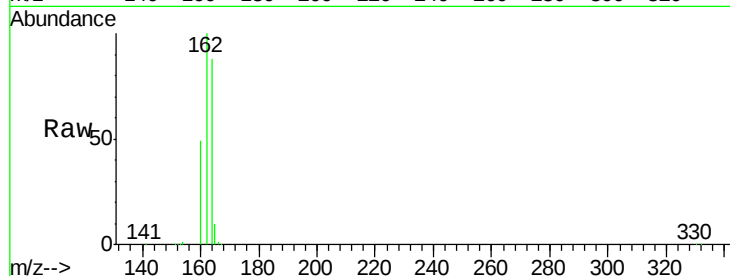
BNA_M

ClientSampleId :

PB87902BS

Tot Ion:164 Resp: 68177

Ion	Ratio	Lower	Upper
164	100		
162	113.6	86.0	129.0
160	55.9	40.3	60.5

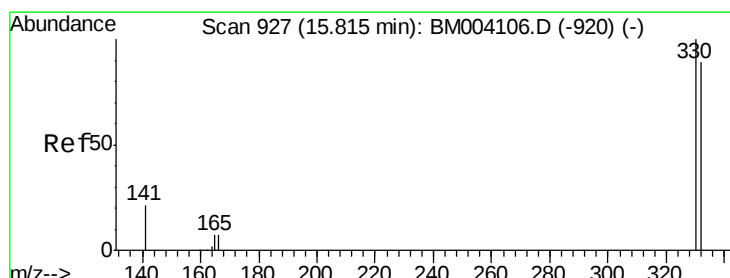
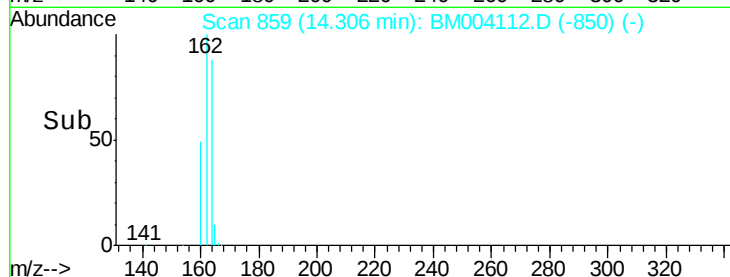
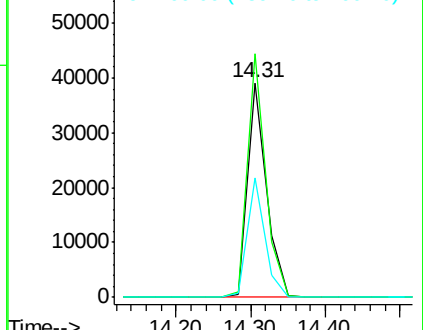


Abundance

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: 5.61 ng

RT: 15.82 min Scan# 927

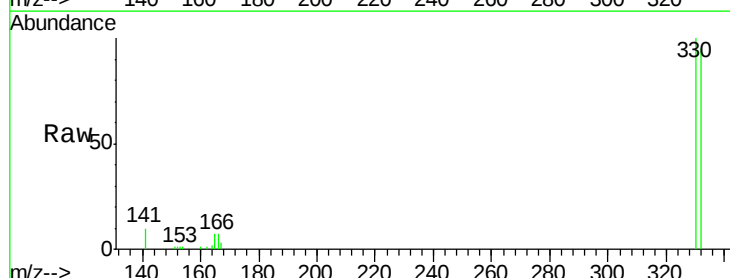
Delta R.T. 0.00 min

Lab File: BM004112.D

Acq: 22 Jan 2016 15:51

Tgt Ion:330 Resp: 14774

Ion	Ratio	Lower	Upper
330	100		
332	95.6	79.0	118.4
141	0.0	27.8	41.6#

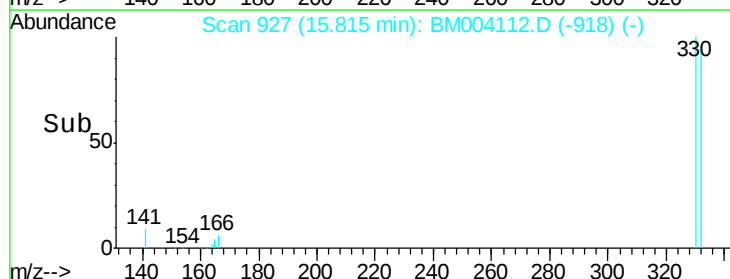
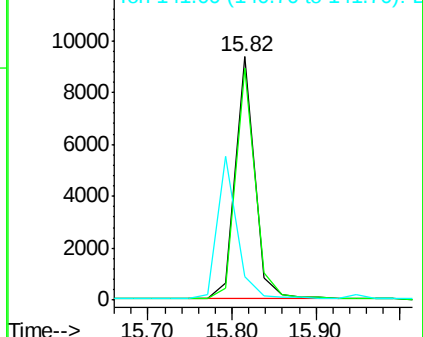


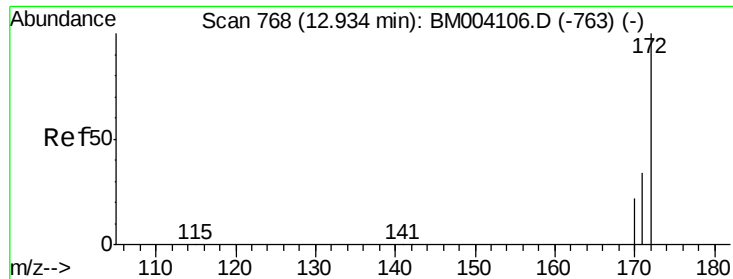
Abundance

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

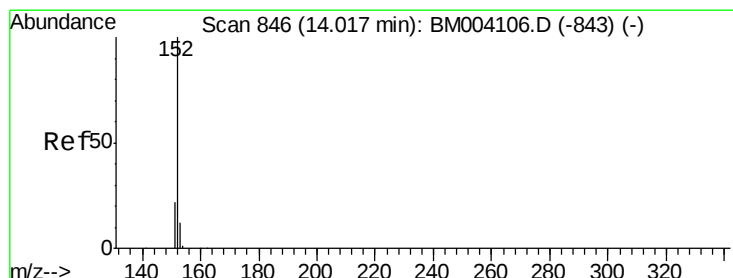
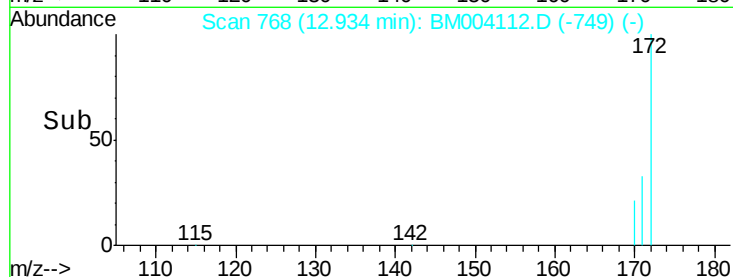
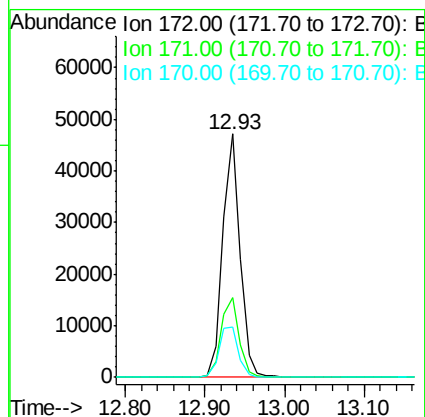
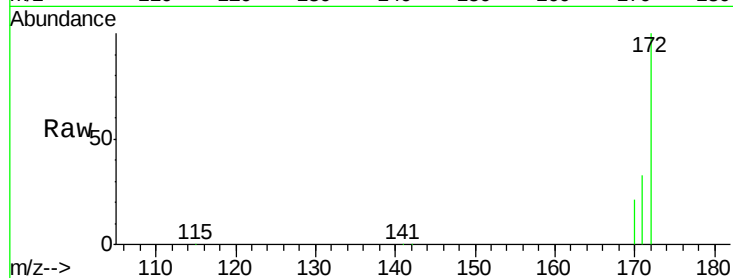




#15
2-Fluorobiphenyl
Concen: 3.40 ng
RT: 12.93 min Scan# 768
Delta R.T. -0.00 min
Lab File: BM004112.D
Acq: 22 Jan 2016 15:51

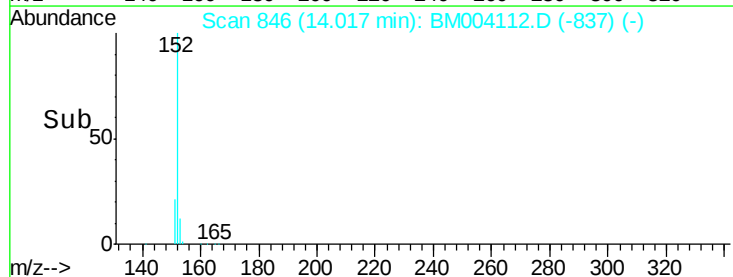
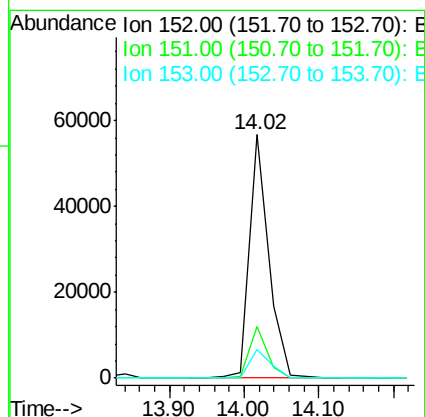
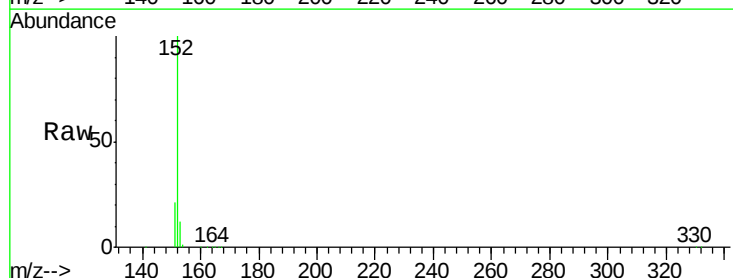
Instrument :
BNA_M
ClientSampleId :
PB87902BS

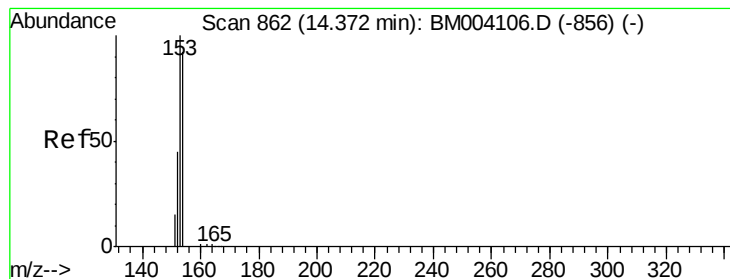
Tot Ion:172 Resp: 71050
Ion Ratio Lower Upper
172 100
171 32.9 27.0 40.6
170 20.9 17.9 26.9



#16
Acenaphthylene
Concen: 3.44 ng
RT: 14.02 min Scan# 846
Delta R.T. -0.00 min
Lab File: BM004112.D
Acq: 22 Jan 2016 15:51

Tgt Ion:152 Resp: 101104
Ion Ratio Lower Upper
152 100
151 19.8 15.8 23.8
153 12.6 10.2 15.4





#17

Acenaphthene

Concen: 3.00 ng

RT: 14.37 min Scan# 862

Delta R.T. -0.00 min

Lab File: BM004112.D

Acq: 22 Jan 2016 15:51

Instrument :

BNA_M

ClientSampleId :

PB87902BS

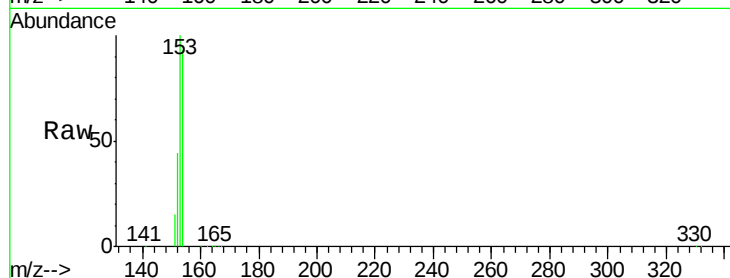
Tot Ion:154 Resp: 66732

Ion Ratio Lower Upper

154 100

153 105.8 85.4 128.2

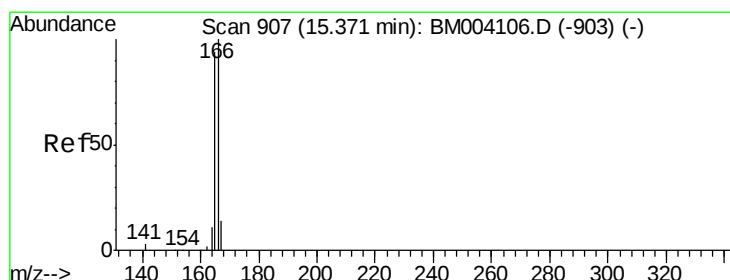
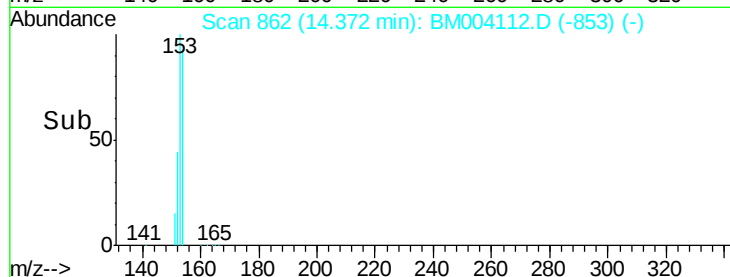
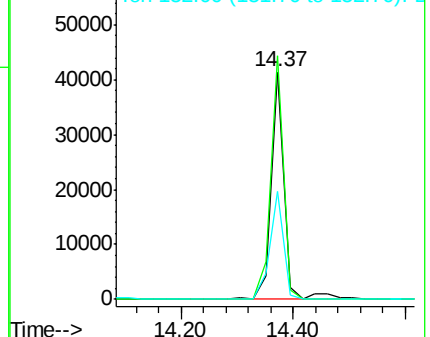
152 49.7 40.6 60.8



Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E



#18

Fluorene

Concen: 3.04 ng

RT: 15.37 min Scan# 907

Delta R.T. -0.00 min

Lab File: BM004112.D

Acq: 22 Jan 2016 15:51

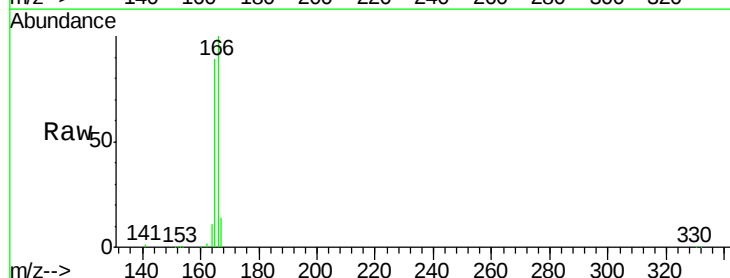
Tgt Ion:166 Resp: 82278

Ion Ratio Lower Upper

166 100

165 94.4 77.2 115.8

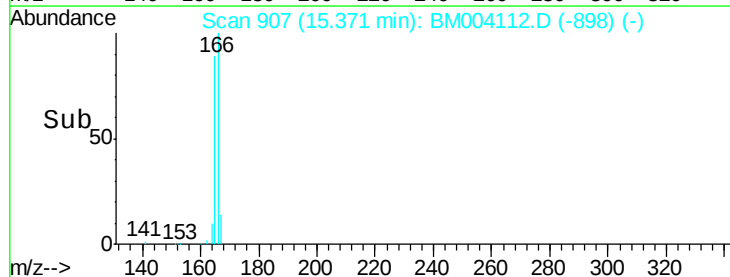
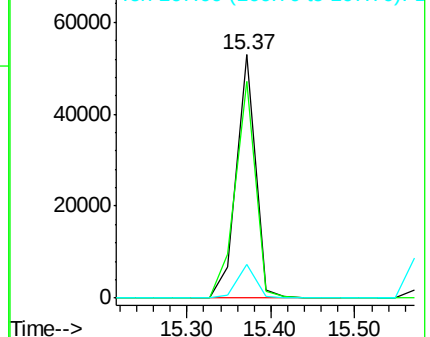
167 13.7 11.0 16.6

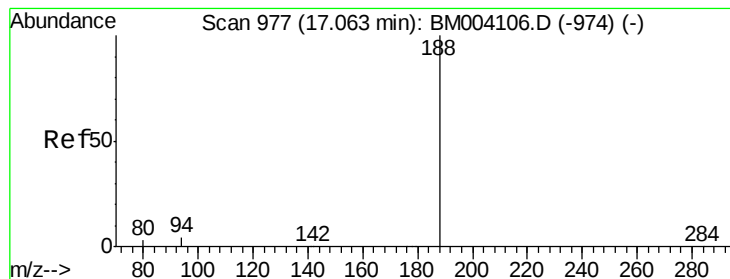


Abundance Ion 166.00 (165.70 to 166.70): E

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: 17.06 min Scan# 977

Delta R.T. -0.00 min

Lab File: BM004112.D

Acq: 22 Jan 2016 15:51

Instrument :

BNA_M

ClientSampleId :

PB87902BS

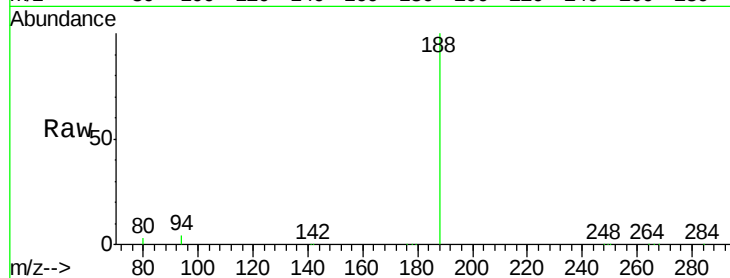
Tot Ion:188 Resp: 181565

Ion Ratio Lower Upper

188 100

94 3.5 20.3 30.5#

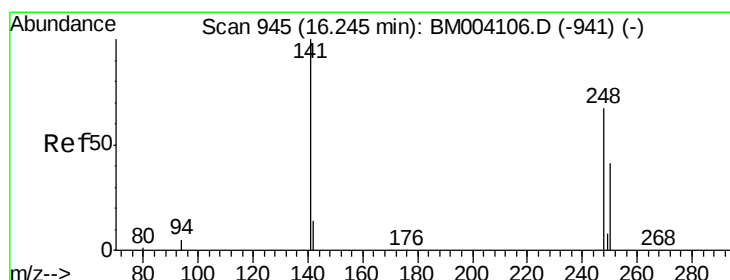
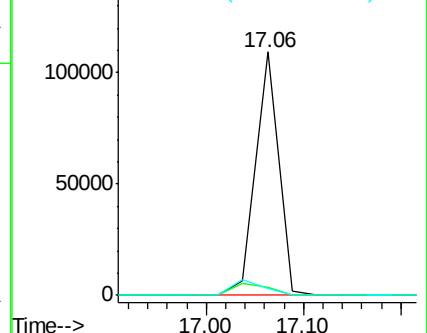
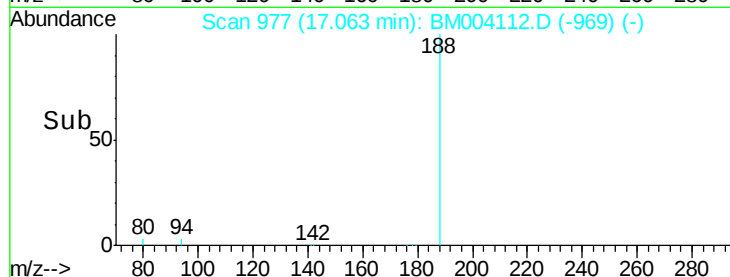
80 2.9 22.2 33.4#



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: 3.46 ng

RT: 16.24 min Scan# 945

Delta R.T. -0.00 min

Lab File: BM004112.D

Acq: 22 Jan 2016 15:51

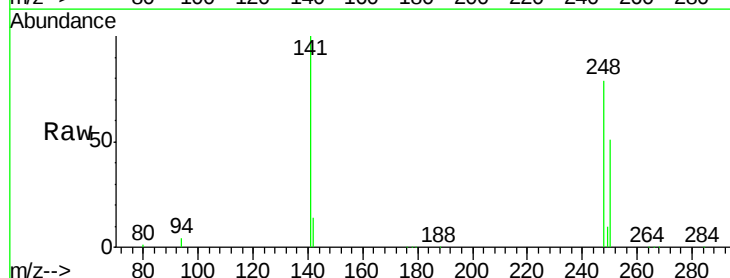
Tgt Ion:248 Resp: 20455

Ion Ratio Lower Upper

248 100

250 84.5 75.0 112.4

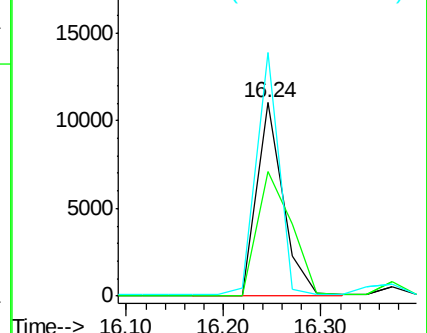
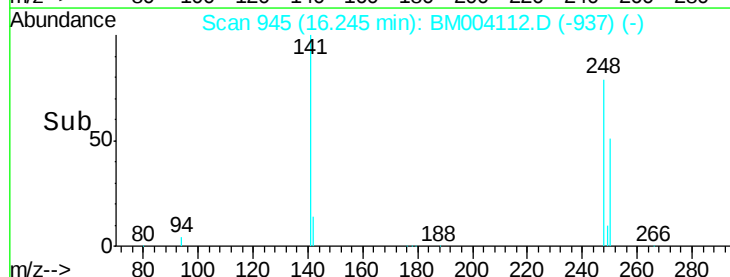
141 109.8 53.0 79.4#

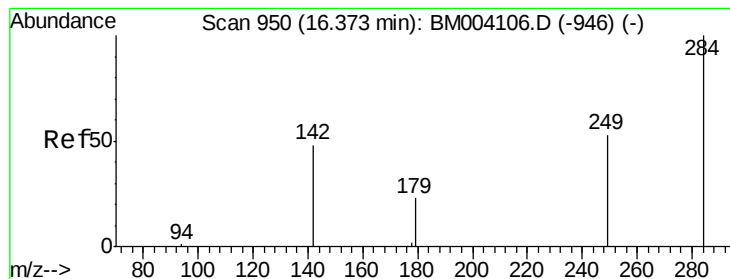


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E





#21

Hexachlorobenzene

Concen: 3.31 ng

RT: 16.37 min Scan# 950

Delta R.T. -0.00 min

Lab File: BM004112.D

Acq: 22 Jan 2016 15:51

Instrument :

BNA_M

ClientSampleId :

PB87902BS

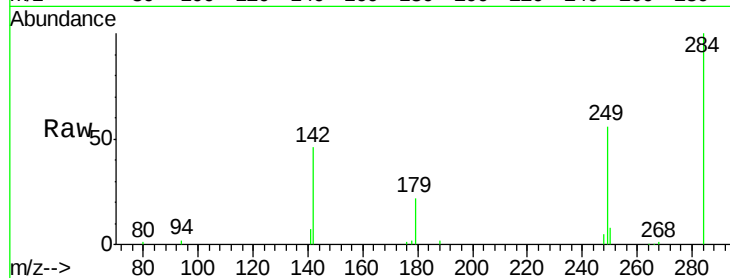
Tot Ion:284 Resp: 20587

Ion Ratio Lower Upper

284 100

142 48.7 22.2 33.4#

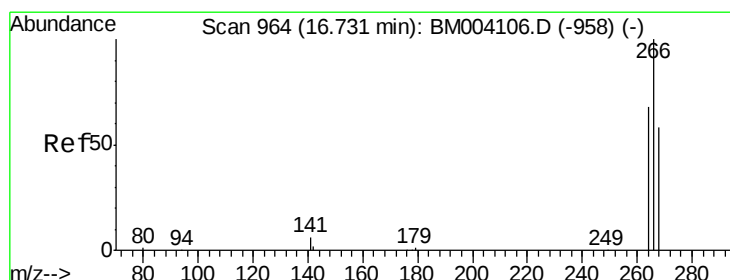
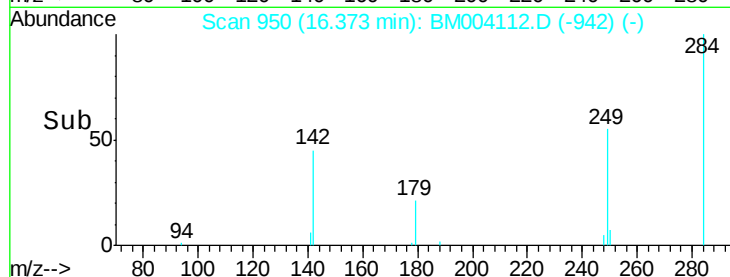
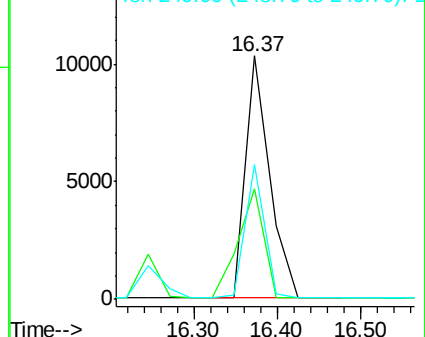
249 44.4 21.5 32.3#



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: 6.20 ng

RT: 16.73 min Scan# 964

Delta R.T. 0.00 min

Lab File: BM004112.D

Acq: 22 Jan 2016 15:51

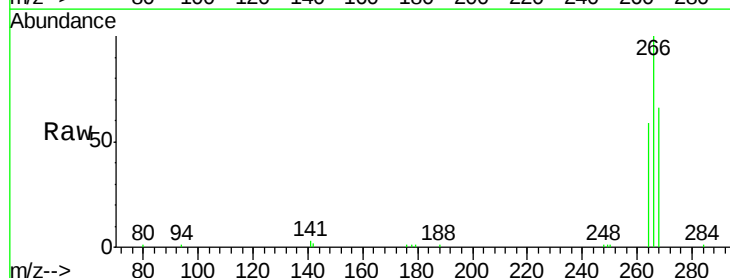
Tgt Ion:266 Resp: 15360

Ion Ratio Lower Upper

266 100

268 66.1 62.7 94.1

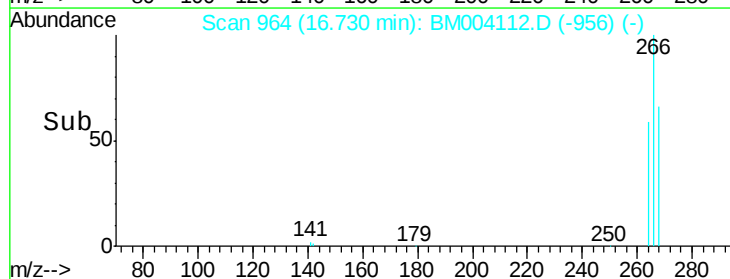
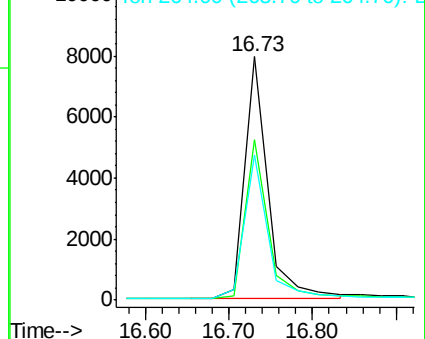
264 59.4 45.7 68.5

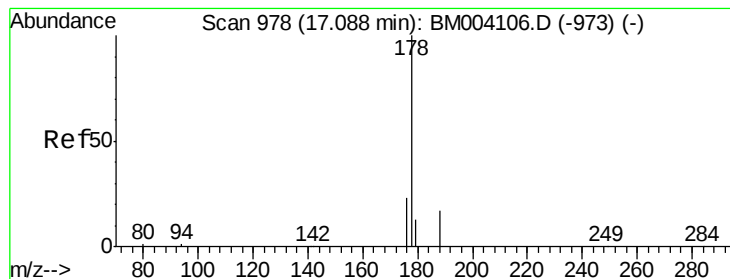


Abundance Ion 265.70 (265.40 to 266.40): E

Ion 268.00 (267.70 to 268.70): E

Ion 264.00 (263.70 to 264.70): E





#23

Phenanthrene

Concen: 3.50 ng

RT: 17.09 min Scan# 978

Delta R.T. 0.00 min

Lab File: BM004112.D

Acq: 22 Jan 2016 15:51

Instrument :

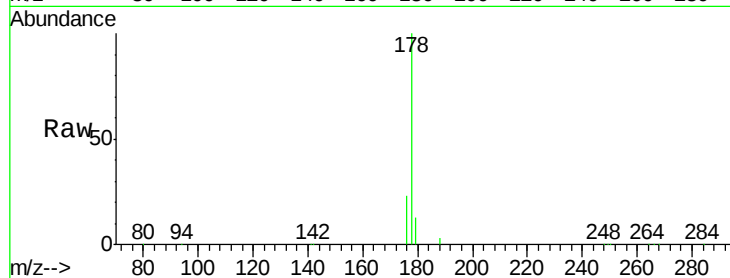
BNA_M

ClientSampleId :

PB87902BS

Tot Ion:178 Resp: 124109

Ion	Ratio	Lower	Upper
178	100		
176	20.5	15.4	23.0
179	14.7	12.2	18.4

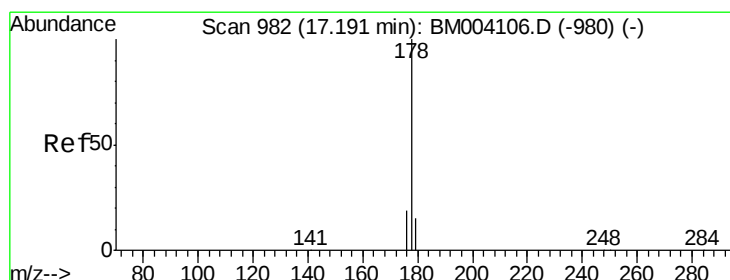
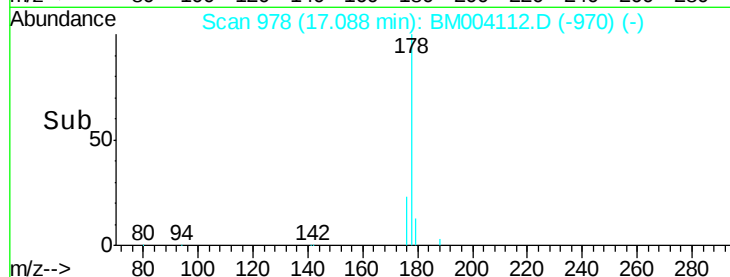
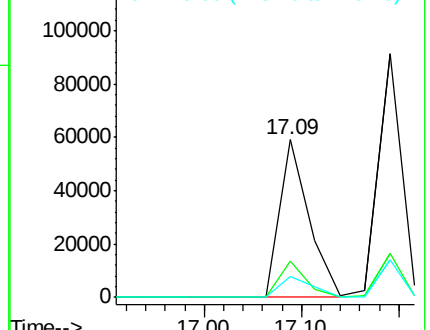


Abundance

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: 3.64 ng

RT: 17.19 min Scan# 982

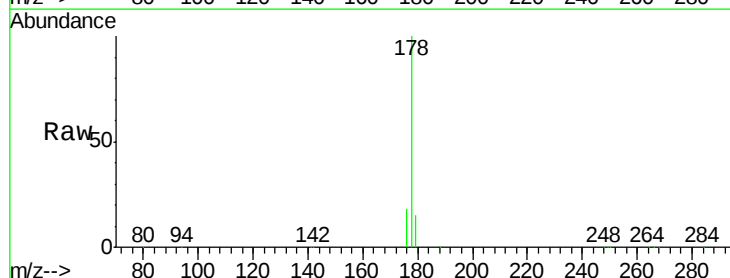
Delta R.T. -0.00 min

Lab File: BM004112.D

Acq: 22 Jan 2016 15:51

Tgt Ion:178 Resp: 151051

Ion	Ratio	Lower	Upper
178	100		
176	18.0	14.6	21.8
179	15.3	12.6	19.0

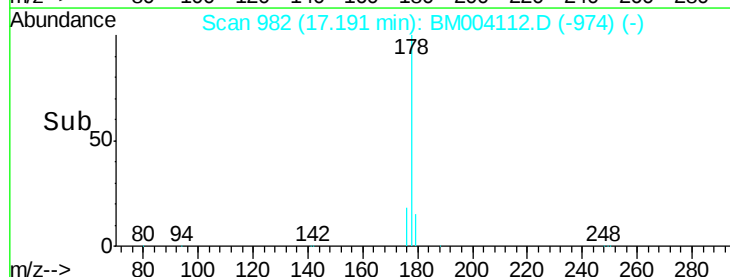
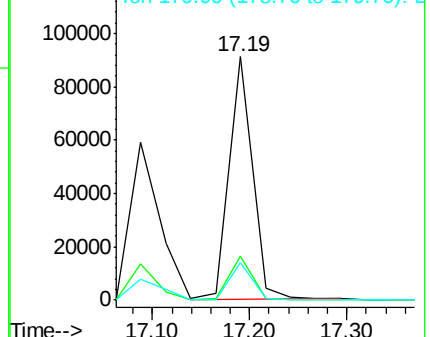


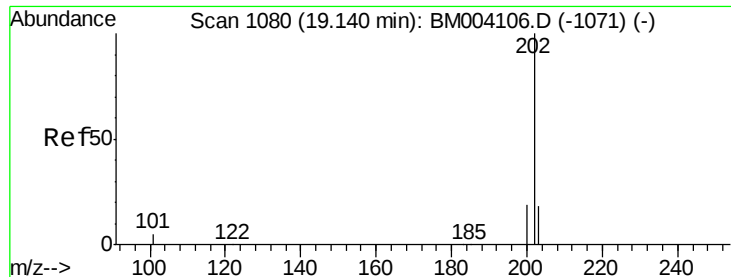
Abundance

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: 3.34 ng

RT: 19.14 min Scan# 1080

Delta R.T. -0.00 min

Lab File: BM004112.D

Acq: 22 Jan 2016 15:51

Instrument :

BNA_M

ClientSampleId :

PB87902BS

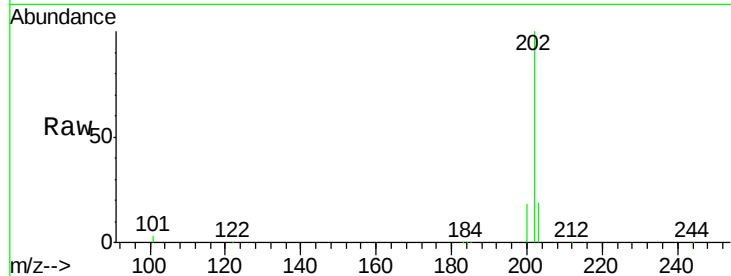
Tot Ion:202 Resp: 164094

Ion Ratio Lower Upper

202 100

101 11.9 9.7 14.5

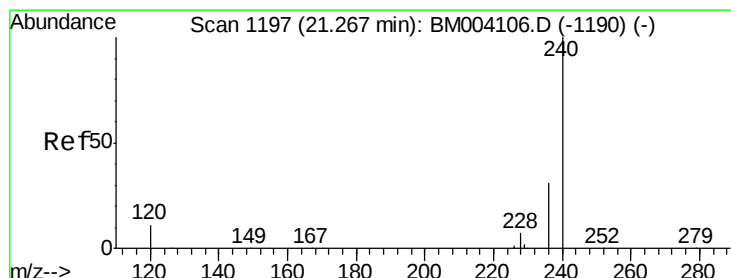
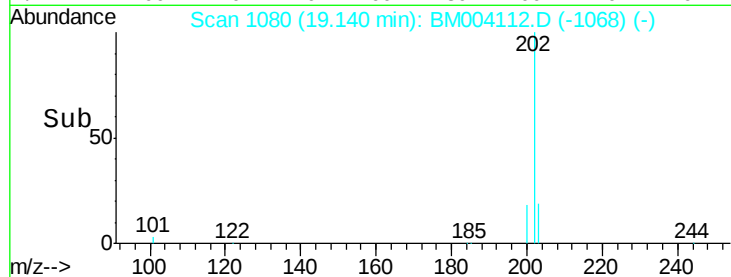
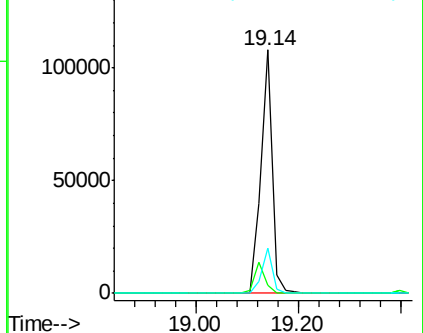
203 17.6 13.8 20.8



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: BM004112.D

Acq: 22 Jan 2016 15:51

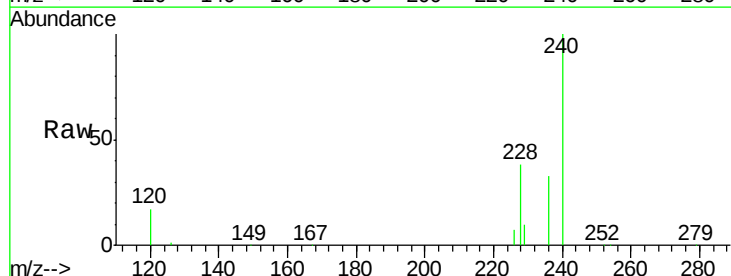
Tgt Ion:240 Resp: 180169

Ion Ratio Lower Upper

240 100

120 17.4 0.9 1.3#

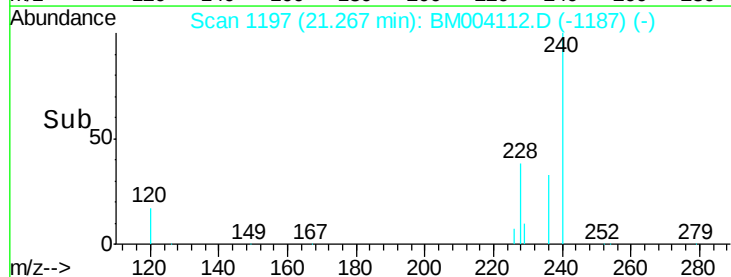
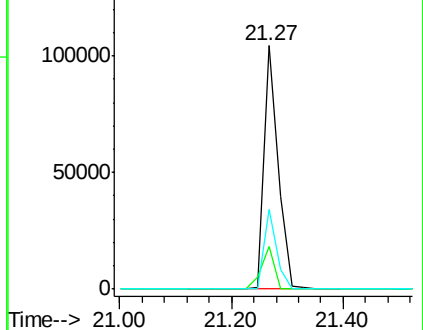
236 32.6 17.3 25.9#

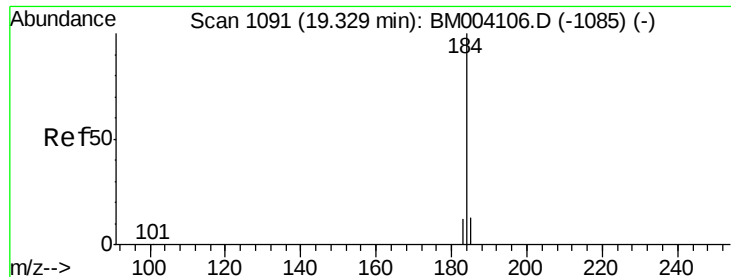


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

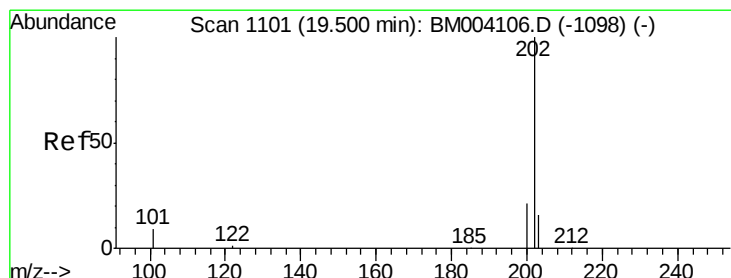
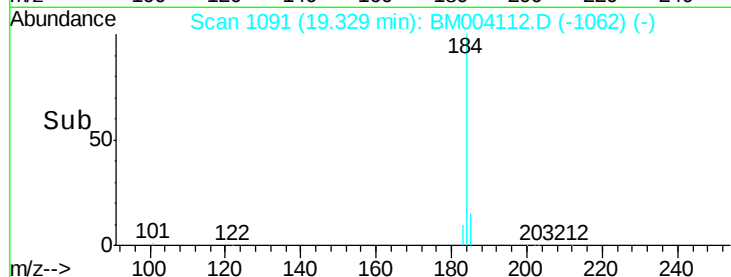
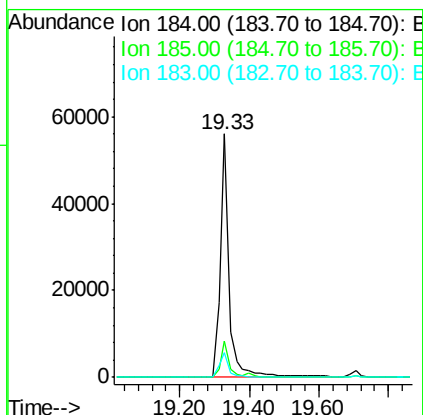
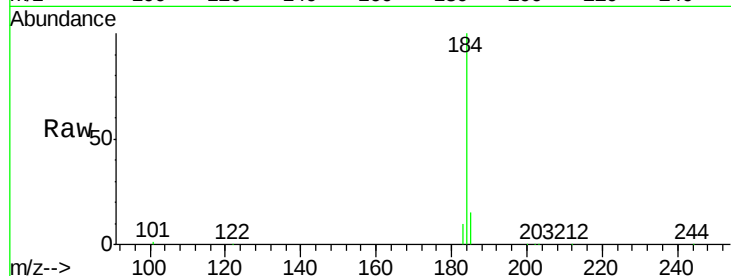




#27
Benzidine
Concen: 6.52 ng
RT: 19.33 min Scan# 1091
Delta R.T. 0.00 min
Lab File: BM004112.D
Acq: 22 Jan 2016 15:51

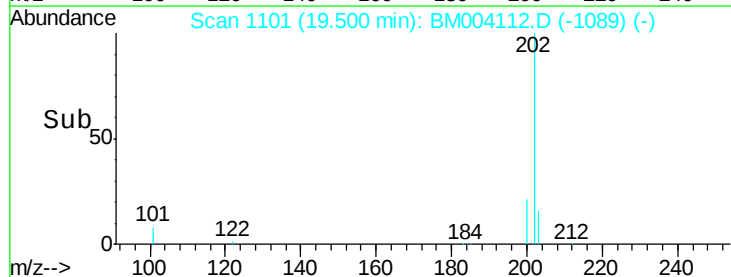
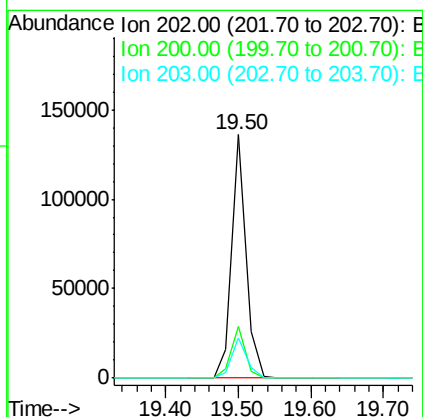
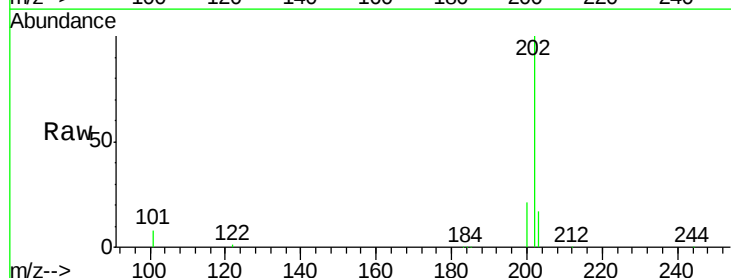
Instrument :
BNA_M
ClientSampleId :
PB87902BS

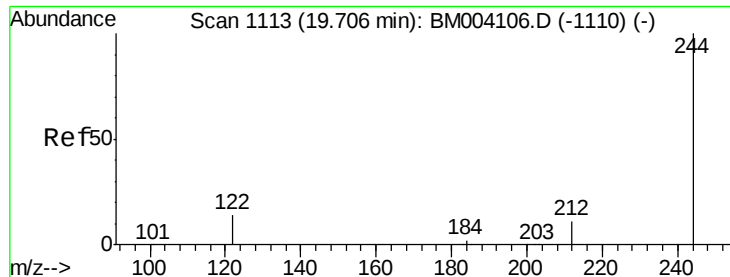
Tot Ion:184 Resp: 99320
Ion Ratio Lower Upper
184 100
185 15.0 13.2 19.8
183 10.3 9.0 13.6



#28
Pyrene
Concen: 3.71 ng
RT: 19.50 min Scan# 1101
Delta R.T. 0.00 min
Lab File: BM004112.D
Acq: 22 Jan 2016 15:51

Tgt Ion:202 Resp: 185143
Ion Ratio Lower Upper
202 100
200 20.9 16.6 24.8
203 17.6 14.0 21.0





#29

Terphenyl-d14

Concen: 3.47 ng

RT: 19.71 min Scan# 1113

Delta R.T. 0.00 min

Lab File: BM004112.D

Acq: 22 Jan 2016 15:51

Instrument :

BNA_M

ClientSampleId :

PB87902BS

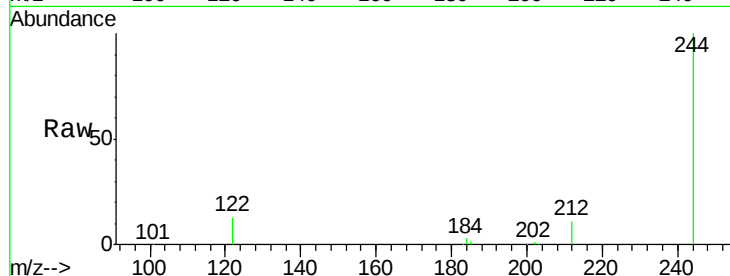
Tot Ion:244 Resp: 79536

Ion Ratio Lower Upper

244 100

212 10.8 7.0 10.6#

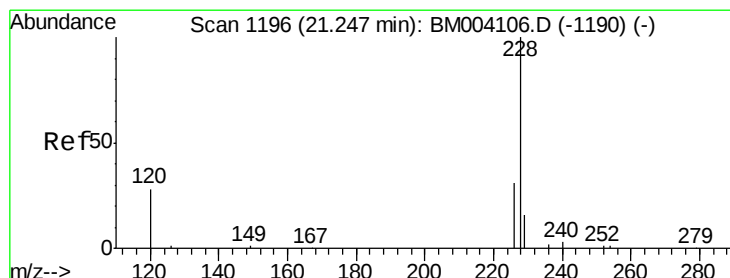
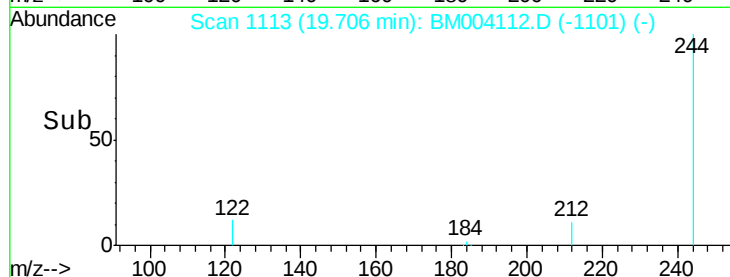
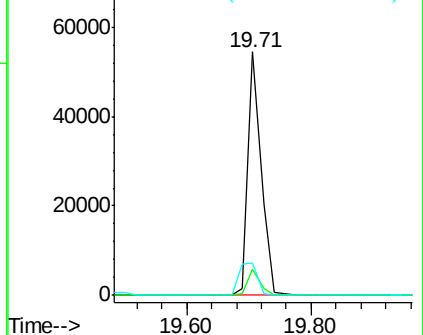
122 13.3 3.0 4.6#



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: 3.35 ng

RT: 21.25 min Scan# 1196

Delta R.T. 0.00 min

Lab File: BM004112.D

Acq: 22 Jan 2016 15:51

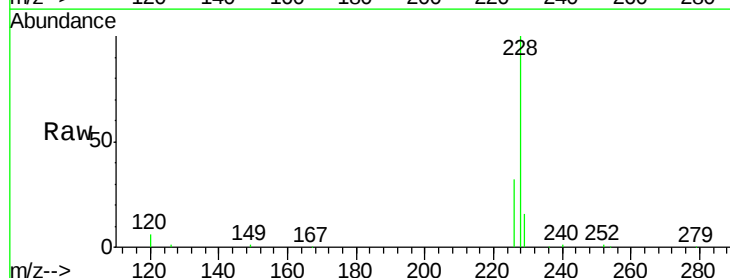
Tgt Ion:228 Resp: 176963

Ion Ratio Lower Upper

228 100

226 32.4 17.2 25.8#

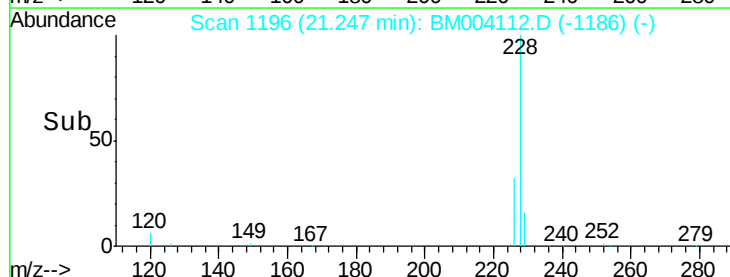
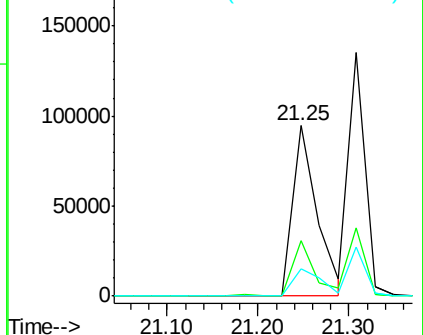
229 16.0 18.7 28.1#

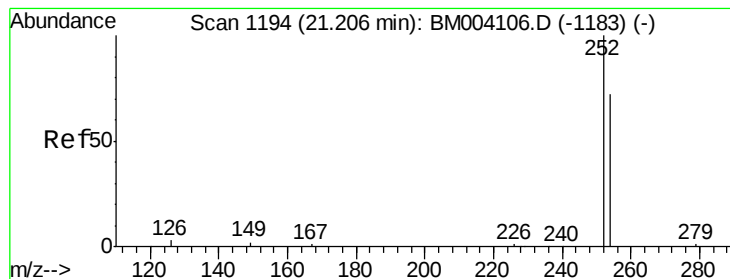


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#31

3,3'-Dichlorobenzidine

Concen: 3.74 ng

RT: 21.21 min Scan# 1194

Delta R.T. 0.00 min

Lab File: BM004112.D

Acq: 22 Jan 2016 15:51

Instrument :

BNA_M

ClientSampleId :

PB87902BS

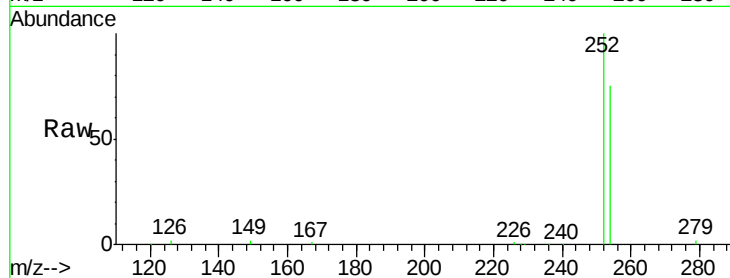
Tot Ion:252 Resp: 50286

Ion Ratio Lower Upper

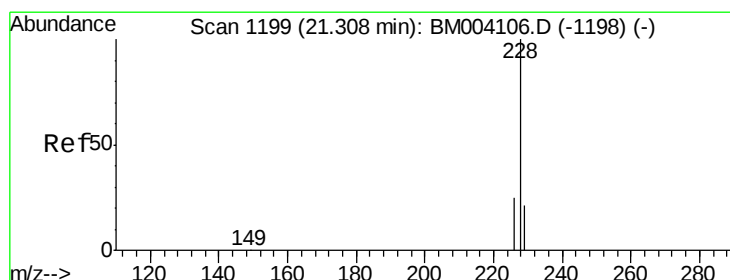
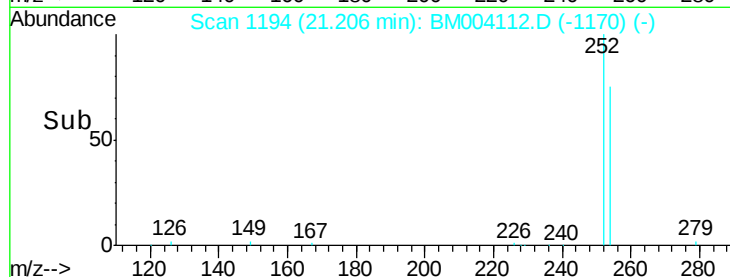
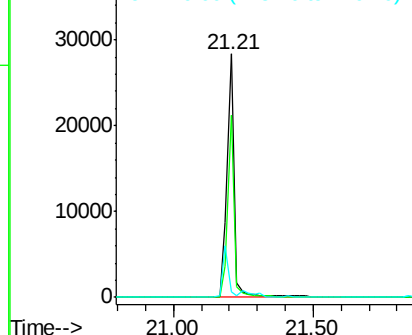
252 100

254 74.6 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: 3.82 ng

RT: 21.31 min Scan# 1199

Delta R.T. 0.00 min

Lab File: BM004112.D

Acq: 22 Jan 2016 15:51

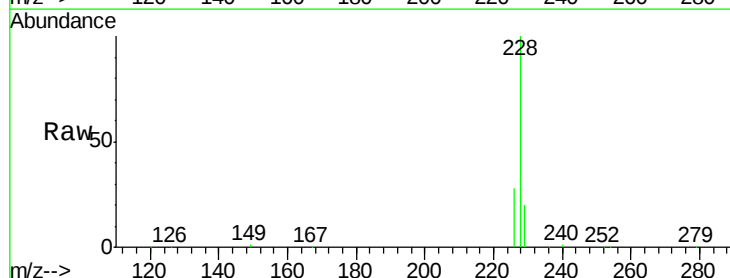
Tgt Ion:228 Resp: 173913

Ion Ratio Lower Upper

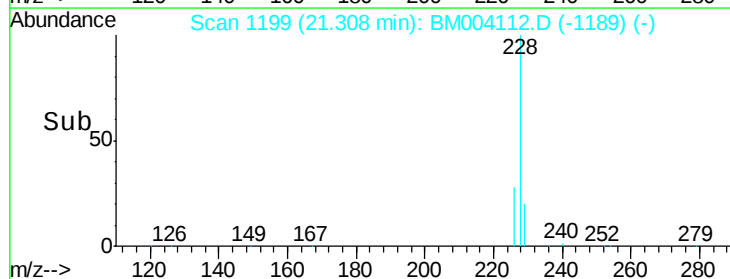
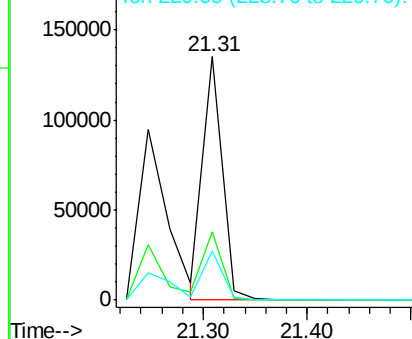
228 100

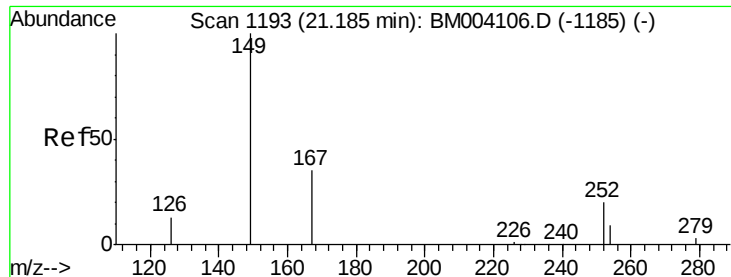
226 28.0 25.3 37.9

229 19.9 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: 3.98 ng

RT: 21.19 min Scan# 1193

Delta R.T. 0.00 min

Lab File: BM004112.D

Acq: 22 Jan 2016 15:51

Instrument :

BNA_M

ClientSampleId :

PB87902BS

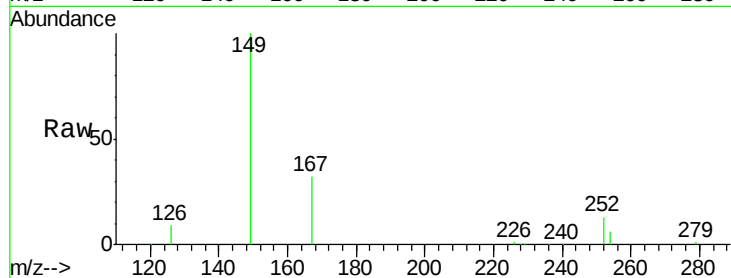
Tot Ion:149 Resp: 92592

Ion Ratio Lower Upper

149 100

167 29.6 20.1 30.1

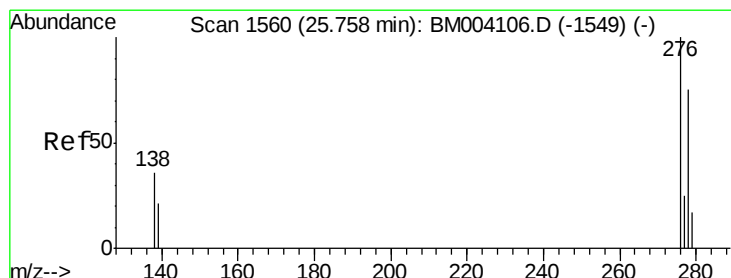
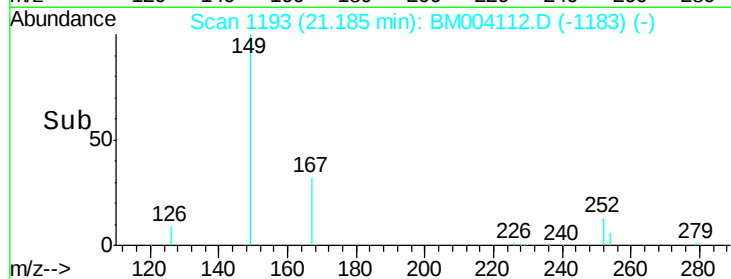
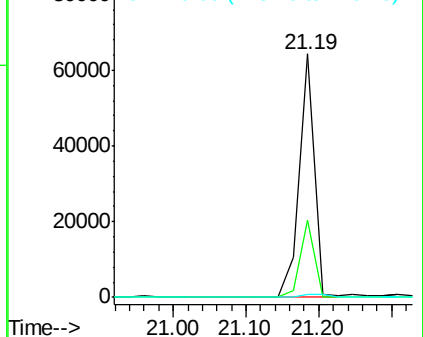
279 1.8 1.8 2.6



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: 3.35 ng

RT: 25.76 min Scan# 1560

Delta R.T. 0.00 min

Lab File: BM004112.D

Acq: 22 Jan 2016 15:51

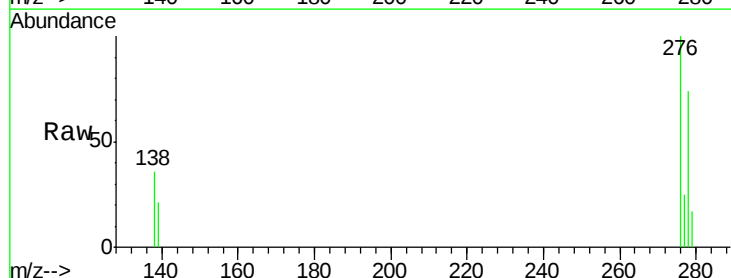
Tgt Ion:276 Resp: 180797

Ion Ratio Lower Upper

276 100

138 37.6 30.2 45.2

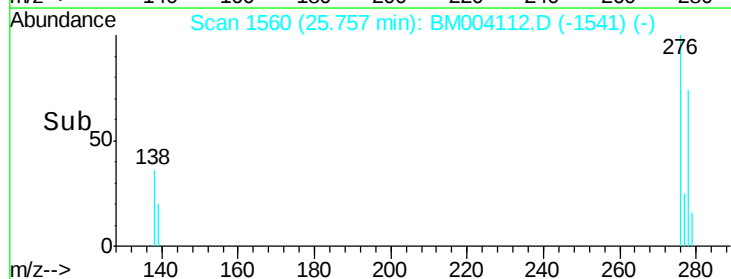
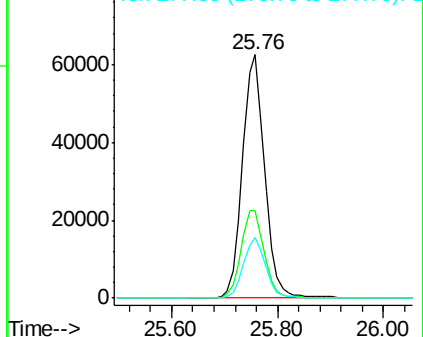
277 24.8 19.8 29.8

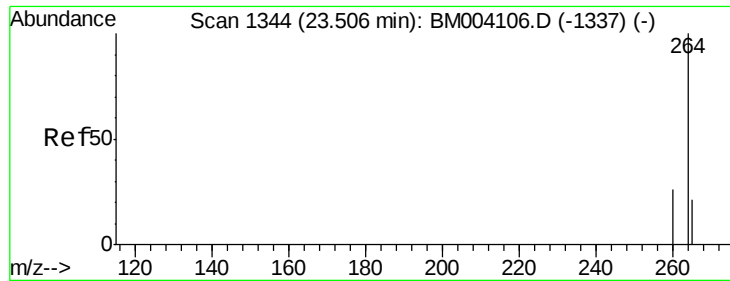


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E

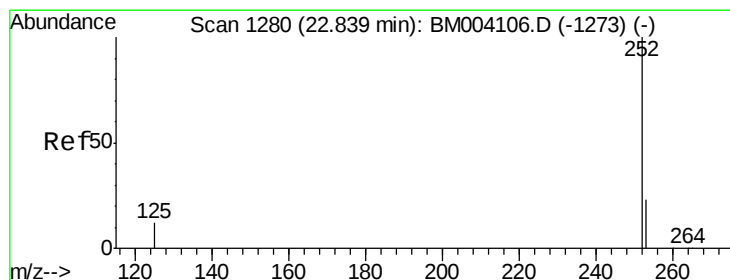
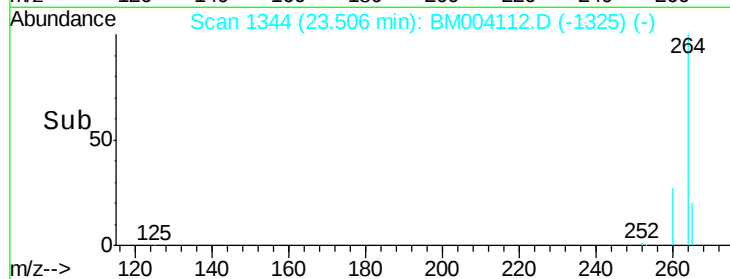
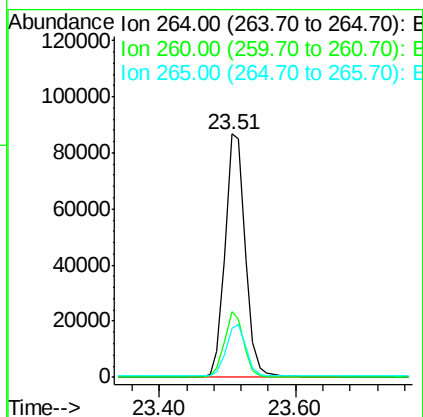
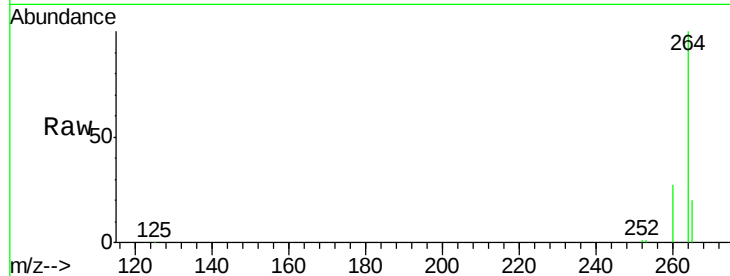




#35
 Pervlene-d12
 Concen: 5.00 ng
 RT: 23.51 min Scan# 1344
 Delta R.T. -0.00 min
 Lab File: BM004112.D
 Acq: 22 Jan 2016 15:51

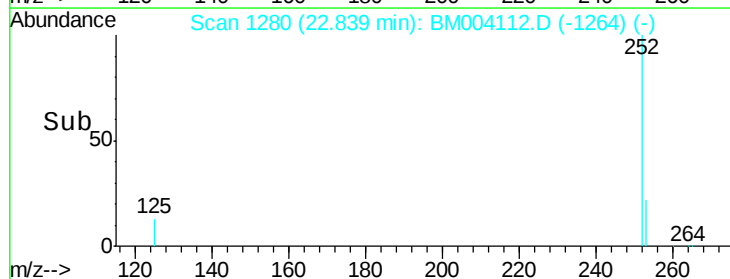
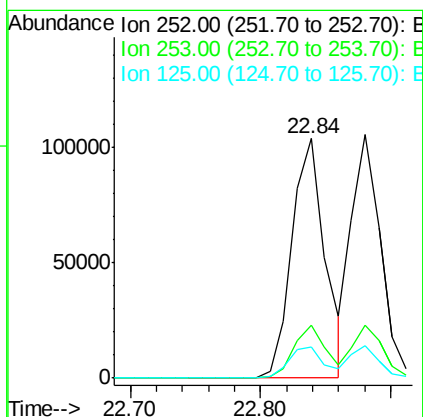
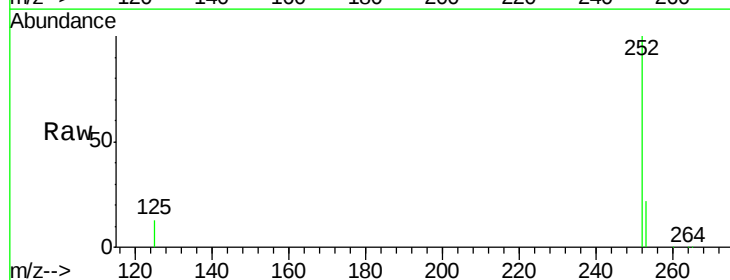
Instrument :
 BNA_M
 ClientSampleId :
 PB87902BS

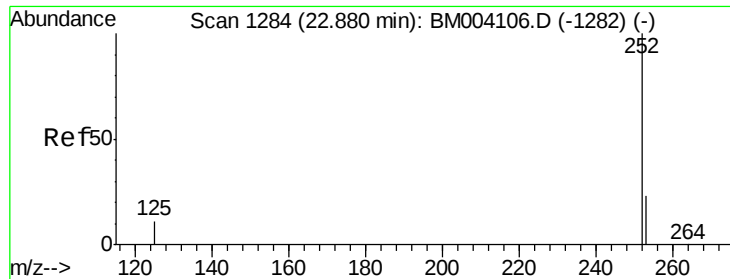
Tot Ion:264 Resp: 178465
 Ion Ratio Lower Upper
 264 100
 260 26.8 21.2 31.8
 265 20.3 16.7 25.1



#36
 Benzo(b)fluoranthene
 Concen: 3.30 ng
 RT: 22.84 min Scan# 1280
 Delta R.T. -0.00 min
 Lab File: BM004112.D
 Acq: 22 Jan 2016 15:51

Tgt Ion:252 Resp: 182859
 Ion Ratio Lower Upper
 252 100
 253 22.1 18.8 28.2
 125 12.8 10.2 15.4





#37

Benzo(k)fluoranthene

Concen: 3.30 ng

RT: 22.88 min Scan# 1284

Delta R.T. -0.00 min

Lab File: BM004112.D

Acq: 22 Jan 2016 15:51

Instrument :

BNA_M

ClientSampleId :

PB87902BS

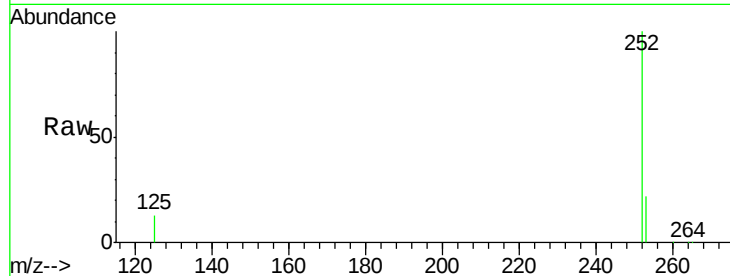
Tot Ion:252 Resp: 165528

Ion Ratio Lower Upper

252 100

253 21.7 18.3 27.5

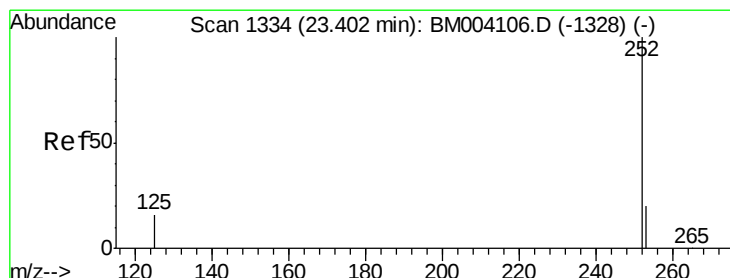
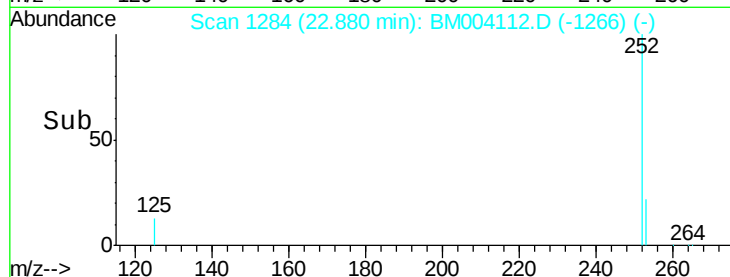
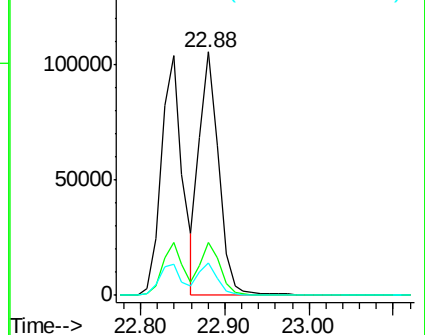
125 13.2 10.6 15.8



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: 3.40 ng

RT: 23.41 min Scan# 1335

Delta R.T. 0.01 min

Lab File: BM004112.D

Acq: 22 Jan 2016 15:51

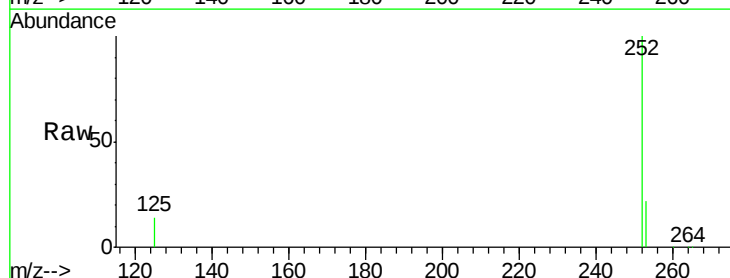
Tgt Ion:252 Resp: 165601

Ion Ratio Lower Upper

252 100

253 22.2 18.7 28.1

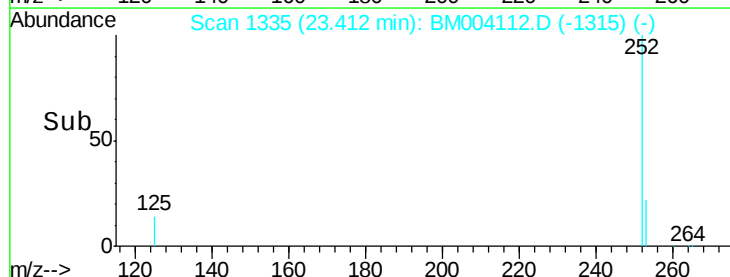
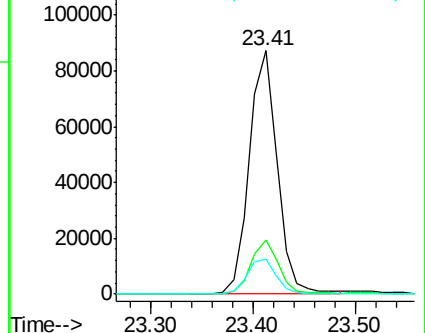
125 14.1 11.8 17.8

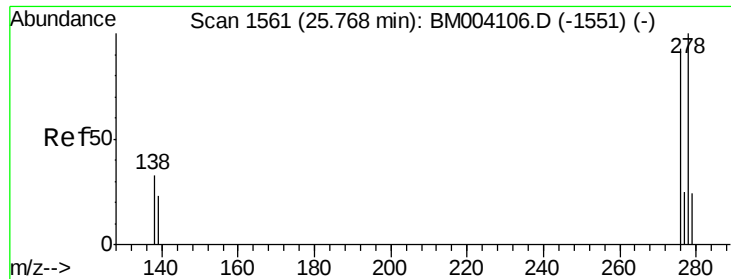


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#39

Dibenzo(a,h)anthracene

Concen: 3.33 ng

RT: 25.77 min Scan# 1561

Delta R.T. -0.00 min

Lab File: BM004112.D

Acq: 22 Jan 2016 15:51

Instrument :

BNA_M

ClientSampleId :

PB87902BS

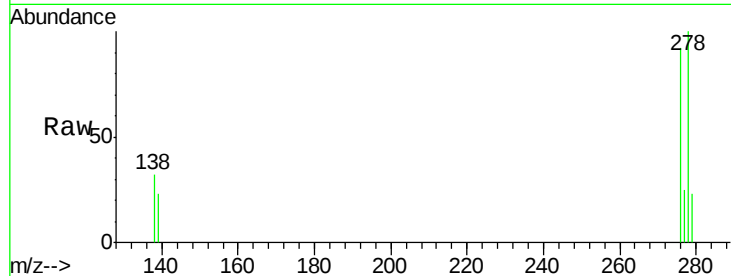
Tot Ion:278 Resp: 145860

Ion Ratio Lower Upper

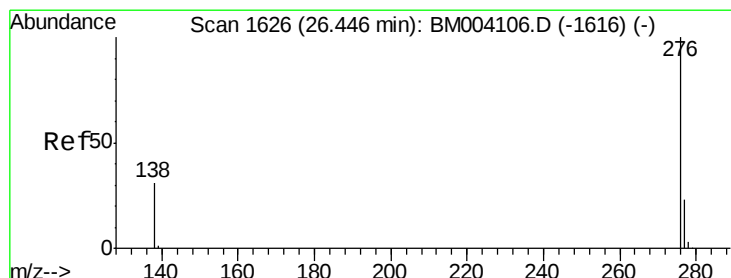
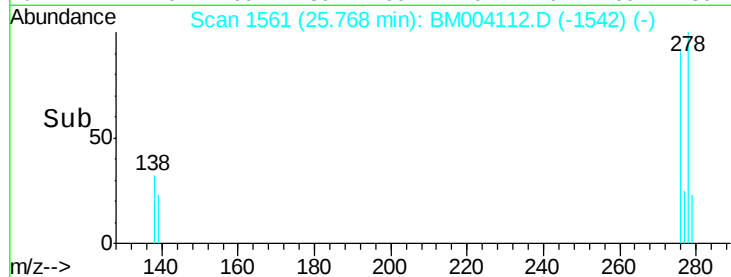
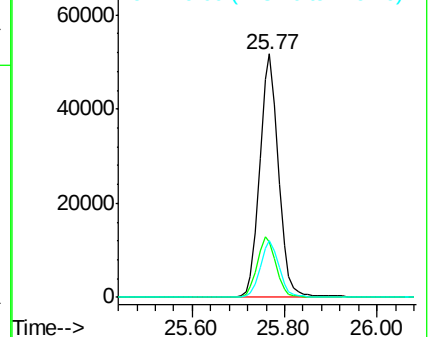
278 100

139 23.0 19.0 28.6

279 23.3 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: 3.21 ng

RT: 26.45 min Scan# 1626

Delta R.T. -0.00 min

Lab File: BM004112.D

Acq: 22 Jan 2016 15:51

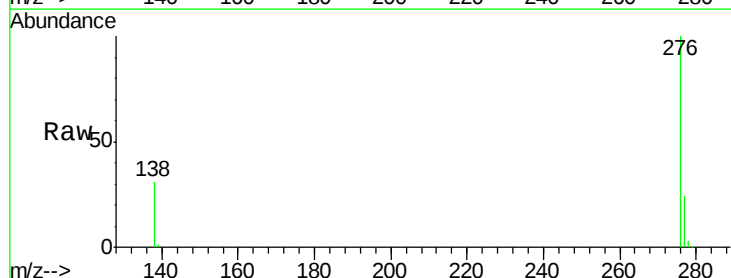
Tgt Ion:276 Resp: 153606

Ion Ratio Lower Upper

276 100

277 23.8 19.1 28.7

138 30.8 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

