

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM110515\
 Data File : BM003061.D
 Acq On : 05 Nov 2015 13:19
 Operator : UM/IZ
 Sample : PB86422BL
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 PB86422BL

Quant Time: Nov 06 00:09:44 2015
 Quant Method : Z:\HPCHEM1\BNA_M\METHODS\8270-SIM-BM110415.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Nov 05 10:29:18 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.76	152	47707	5.00	ng	0.00
7) Naphthalene-d8	10.54	136	183644	5.00	ng	0.00
13) Acenaphthene-d10	14.39	164	81877	5.00	ng	0.00
19) Phenanthrene-d10	17.14	188	198508	5.00	ng	0.00
26) Chrysene-d12	21.33	240	177409	5.00	ng	0.00
35) Perylene-d12	23.61	264	154823	5.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) 2-Fluorophenol	5.35	112	112114	11.10	ng	0.00
5) Phenol-d6	6.92	99	134332	11.40	ng	0.00
8) Nitrobenzene-d5	8.92	82	47395	5.60	ng	0.00
14) 2,4,6-Tribromophenol	15.88	330	23842	11.24	ng	0.00
15) 2-Fluorobiphenyl	13.03	172	162195	6.28	ng	0.00
29) Terphenyl-d14	19.77	244	135425	5.30	ng	0.00

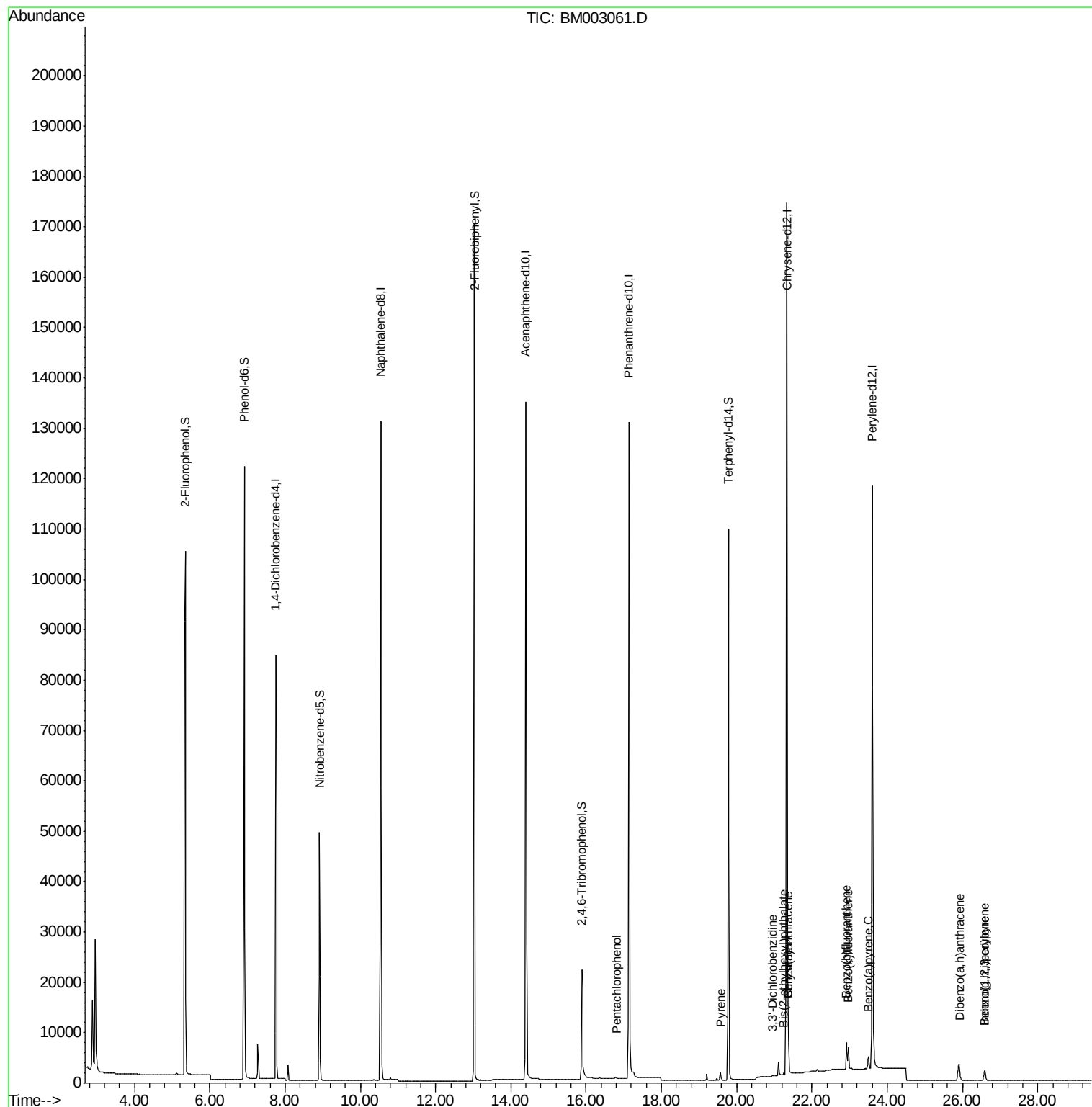
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
21) Hexachlorobenzene	16.45	284	12	Below Cal	#	15
22) Pentachlorophenol	16.81	266	233	0.25	ng	82
23) Phenanthrene	17.16	178	235	Below Cal	#	82
25) Fluoranthene	19.21	202	1324	Below Cal	#	95
27) Benzidine	19.40	184	90	Below Cal	#	1
28) Pyrene	19.57	202	1696	0.03	ng	95
30) Benzo(a)anthracene	21.37	228	10883	0.27	ng	95
31) 3,3'-Dichlorobenzidine	20.94	252	53	0.21	ng	78
32) Chrysene	21.37	228	10975	0.10	ng	90
33) Bis(2-ethylhexyl)phthalate	21.25	149	710	0.28	ng	80
34) Indeno(1,2,3-cd)pyrene	26.59	276	4423	0.16	ng	99
36) Benzo(b)fluoranthene	22.92	252	6976	0.12	ng	84
37) Benzo(k)fluoranthene	22.96	252	5976	0.10	ng	79
38) Benzo(a)pyrene	23.50	252	3645	0.09	ng	64
39) Dibenzo(a,h)anthracene	25.91	278	3492	0.09	ng	82
40) Benzo(g,h,i)perylene	26.59	276	4423	0.11	ng	90

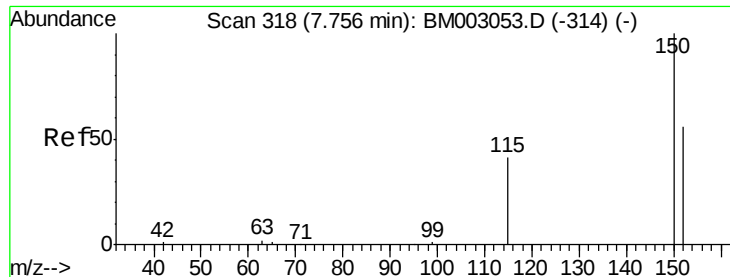
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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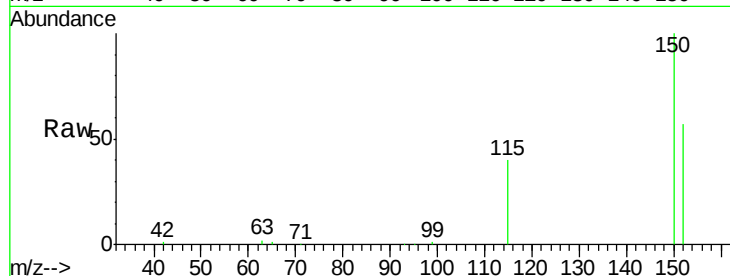




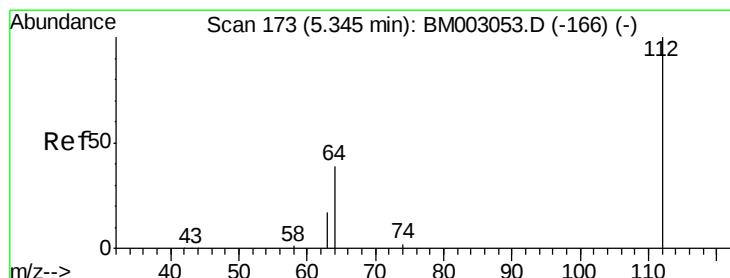
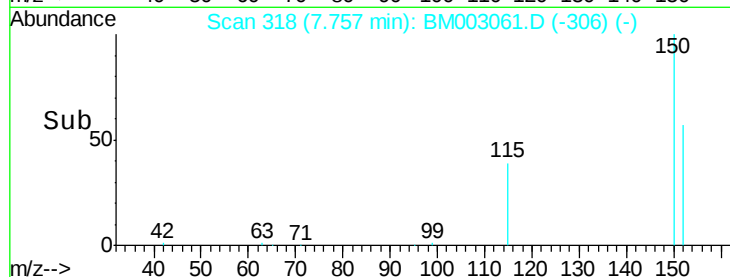
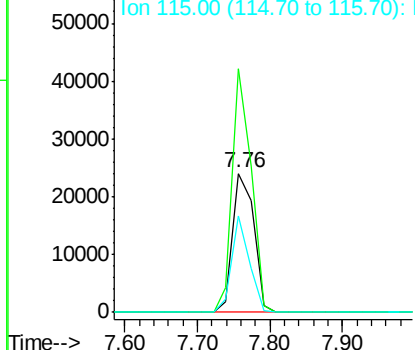
#1
 1,4-Dichlorobenzene-d4
 Concen: 5.00 ng
 RT: 7.76 min Scan# 318
 Delta R.T. 0.00 min
 Lab File: BM003061.D
 Acq: 05 Nov 2015 13:19

Instrument :
 BNA_M
 ClientSampleId :
 PB86422BL

Tgt Ion:152 Resp: 47707
 Ion Ratio Lower Upper
 152 100
 150 175.1 143.6 215.4
 115 69.3 58.5 87.7

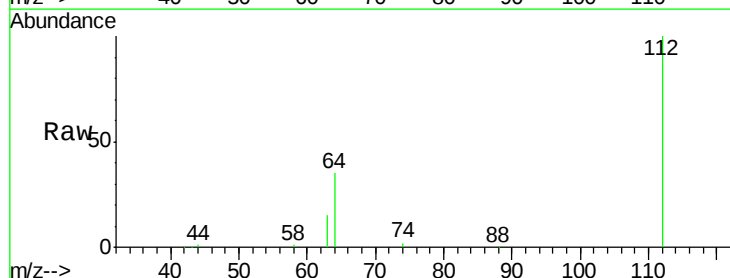


Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E

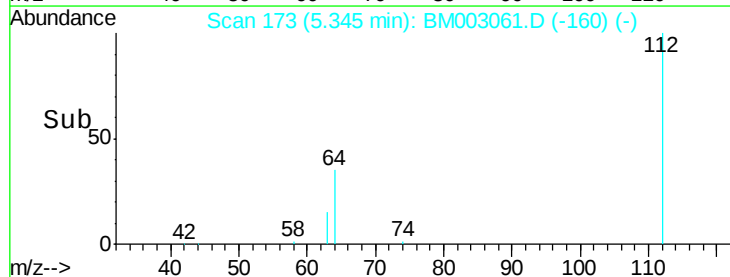
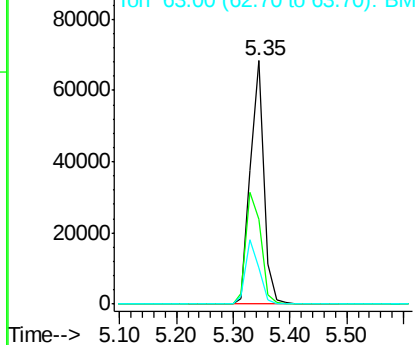


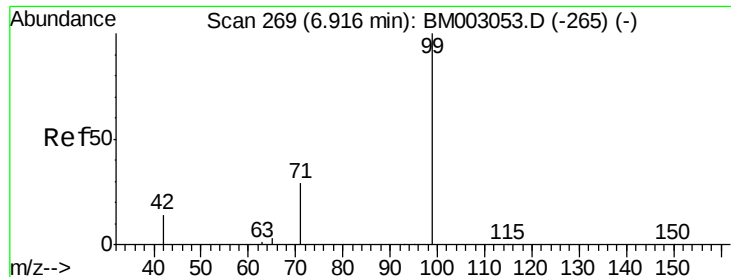
#4
 2-Fluorophenol
 Concen: 11.10 ng
 RT: 5.35 min Scan# 173
 Delta R.T. 0.00 min
 Lab File: BM003061.D
 Acq: 05 Nov 2015 13:19

Tgt Ion:112 Resp: 112114
 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: 11.40 ng

RT: 6.92 min Scan# 269

Delta R.T. 0.00 min

Lab File: BM003061.D

Acq: 05 Nov 2015 13:19

Instrument :

BNA_M

ClientSampleId :

PB86422BL

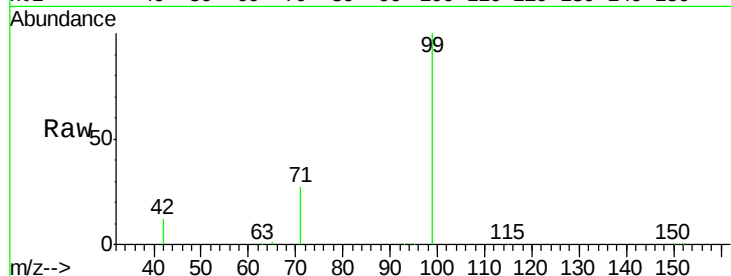
Tgt Ion: 99 Resp: 134332

Ion Ratio Lower Upper

99 100

42 17.0 14.6 22.0

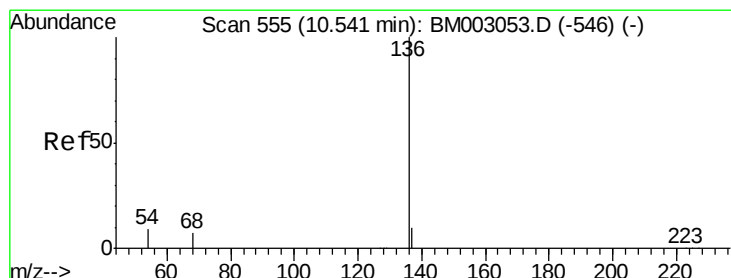
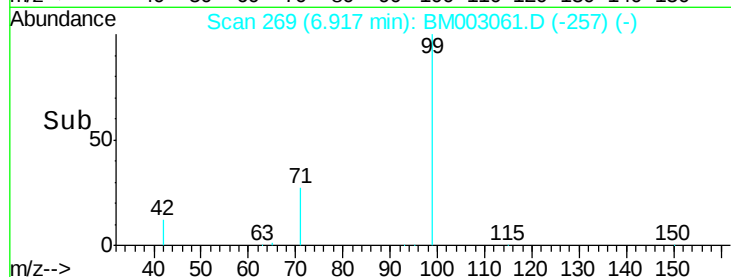
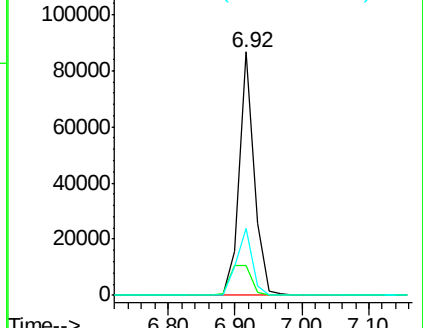
71 29.1 23.3 34.9



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: 10.54 min Scan# 556

Delta R.T. 0.00 min

Lab File: BM003061.D

Acq: 05 Nov 2015 13:19

Tgt Ion: 136 Resp: 183644

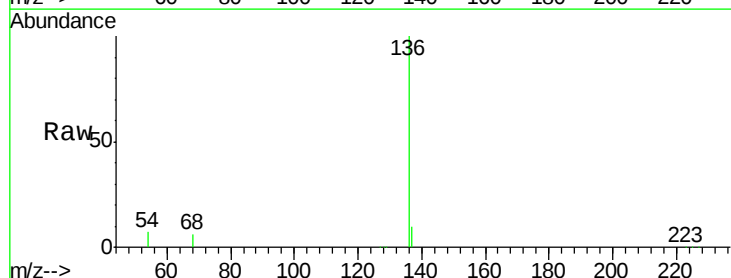
Ion Ratio Lower Upper

136 100

137 10.3 8.0 12.0

54 6.7 7.4 11.0#

68 5.6 5.8 8.6#

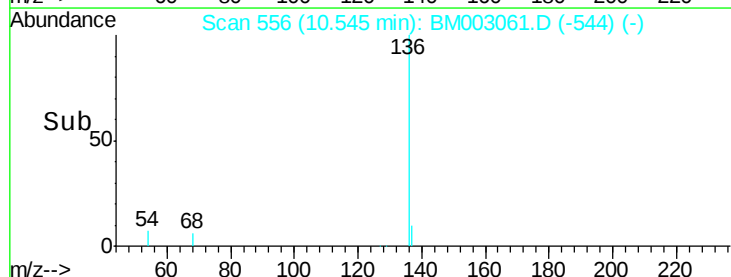
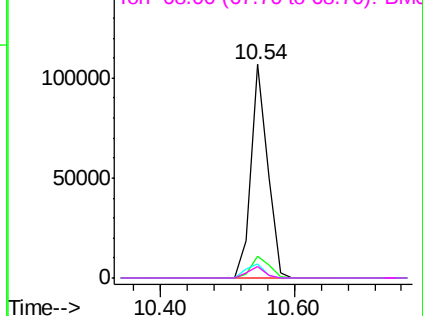


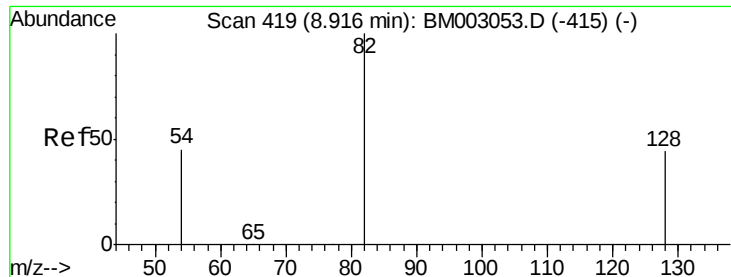
Abundance Ion 136.00 (135.70 to 136.70): BM003053.D (-546) (-)

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: 5.60 ng

RT: 8.92 min Scan# 420

Delta R.T. 0.00 min

Lab File: BM003061.D

Acq: 05 Nov 2015 13:19

Instrument :

BNA_M

ClientSampleId :

PB86422BL

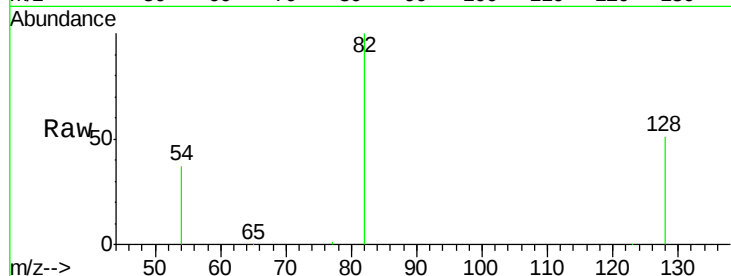
Tgt Ion: 82 Resp: 47395

Ion Ratio Lower Upper

82 100

128 51.0 35.2 52.8

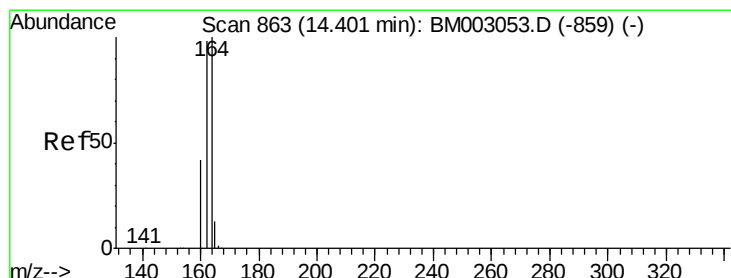
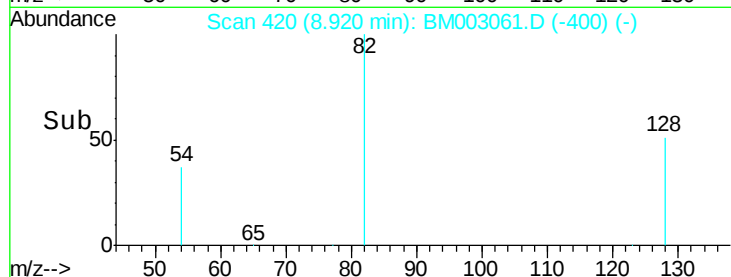
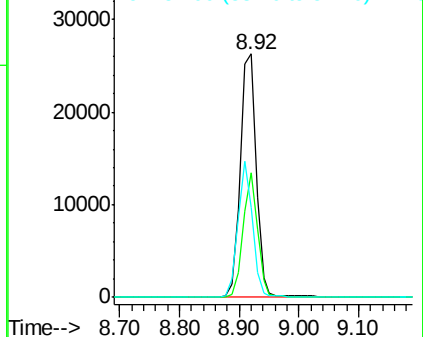
54 36.8 36.4 54.6



Abundance Ion 82.00 (81.70 to 82.70): BM003061.D (-420) (-)

Ion 128.00 (127.70 to 128.70): BM003061.D (-420) (-)

Ion 54.00 (53.70 to 54.70): BM003061.D (-420) (-)



#13

Acenaphthene-d10

Concen: 5.00 ng

RT: 14.39 min Scan# 863

Delta R.T. -0.01 min

Lab File: BM003061.D

Acq: 05 Nov 2015 13:19

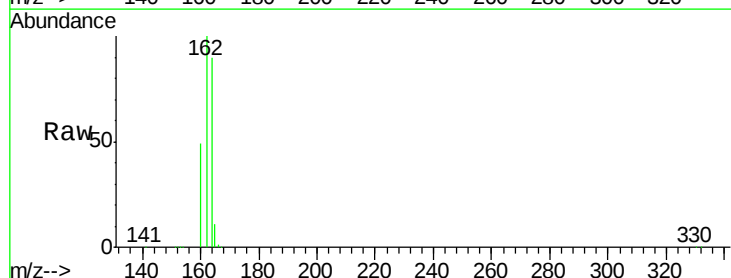
Tgt Ion: 164 Resp: 81877

Ion Ratio Lower Upper

164 100

162 111.6 78.3 117.5

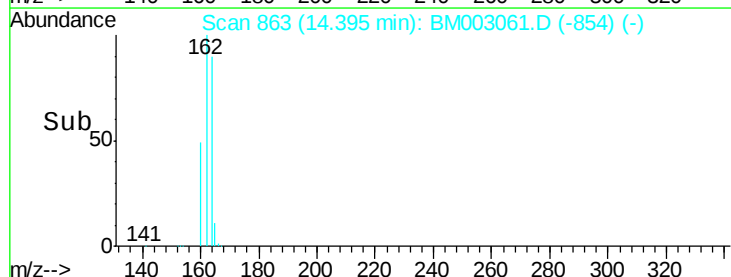
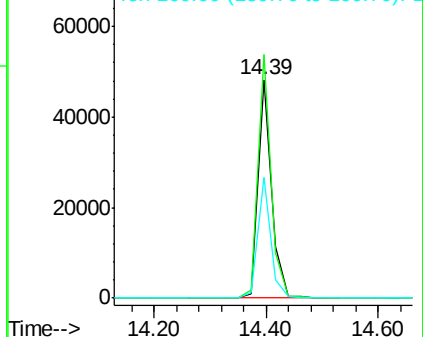
160 55.1 33.8 50.6#

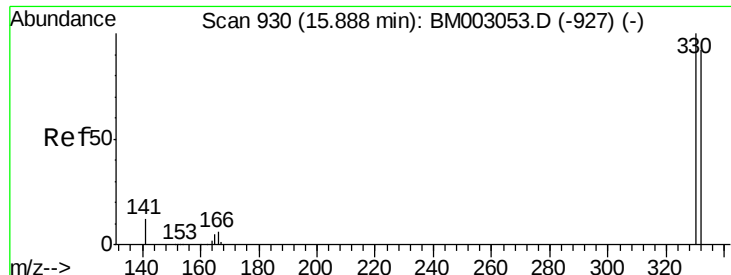


Abundance Ion 164.00 (163.70 to 164.70): BM003061.D (-854) (-)

Ion 162.00 (161.70 to 162.70): BM003061.D (-854) (-)

Ion 160.00 (159.70 to 160.70): BM003061.D (-854) (-)

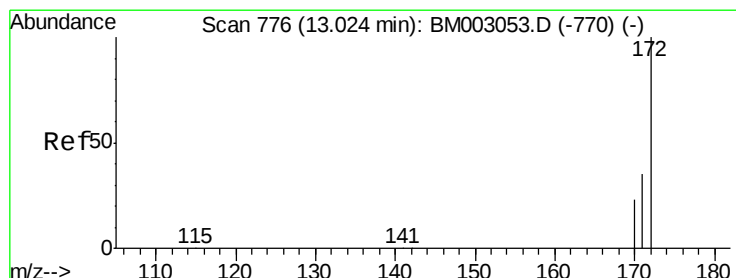
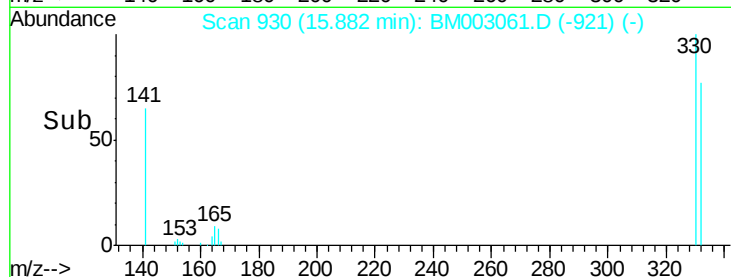
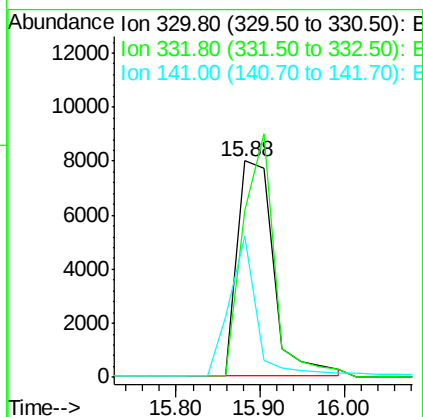
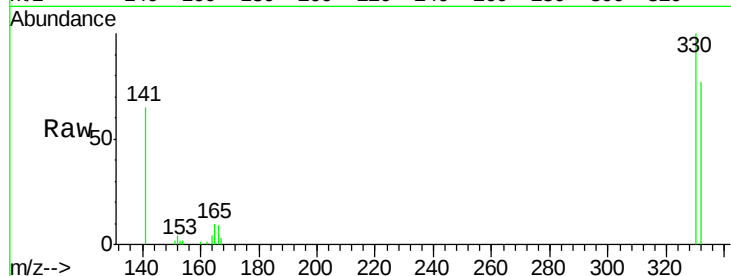




#14
 2,4,6-Tribromophenol
 Concen: 11.24 ng
 RT: 15.88 min Scan# 930
 Delta R.T. -0.01 min
 Lab File: BM003061.D
 Acq: 05 Nov 2015 13:19

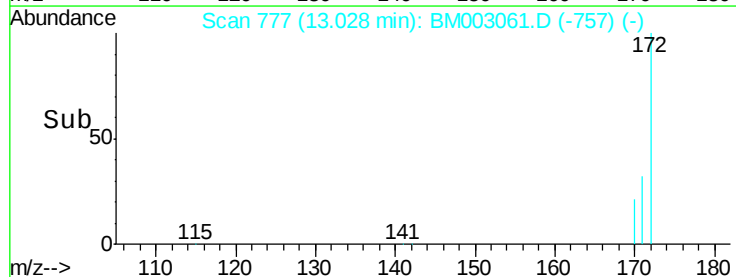
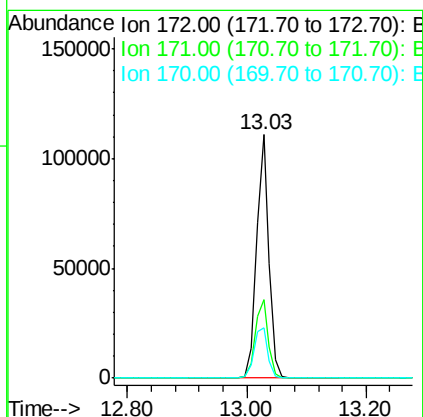
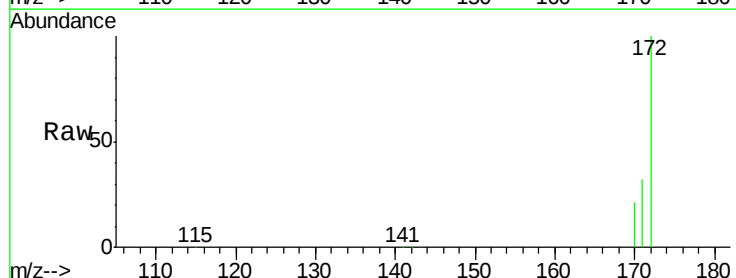
Instrument :
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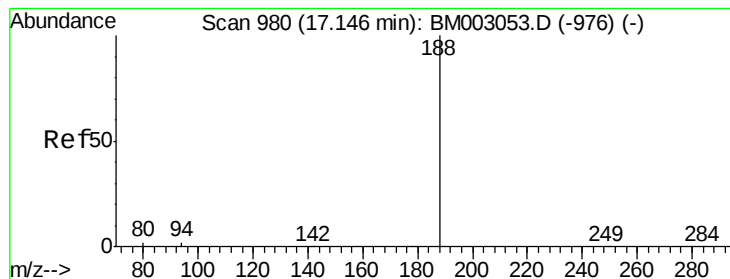
Tgt Ion:330 Resp: 23842
 Ion Ratio Lower Upper
 330 100
 332 0.0 76.0 114.0#
 141 48.0 0.0 0.0#



#15
 2-Fluorobiphenyl
 Concen: 6.28 ng
 RT: 13.03 min Scan# 777
 Delta R.T. 0.00 min
 Lab File: BM003061.D
 Acq: 05 Nov 2015 13:19

Tgt Ion:172 Resp: 162195
 Ion Ratio Lower Upper
 172 100
 171 32.5 28.0 42.0
 170 20.8 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: BM003061.D

Acq: 05 Nov 2015 13:19

Instrument :

BNA_M

ClientSampleId :

PB86422BL

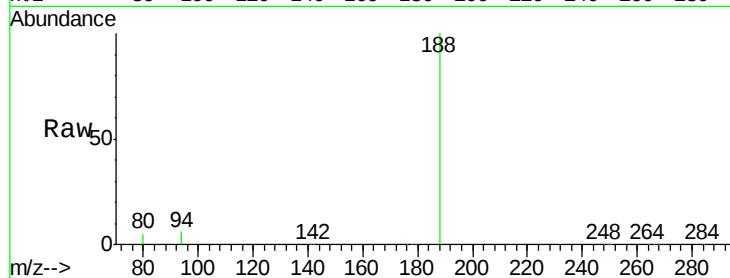
Tgt Ion:188 Resp: 198508

Ion Ratio Lower Upper

188 100

94 5.8 1.8 2.6#

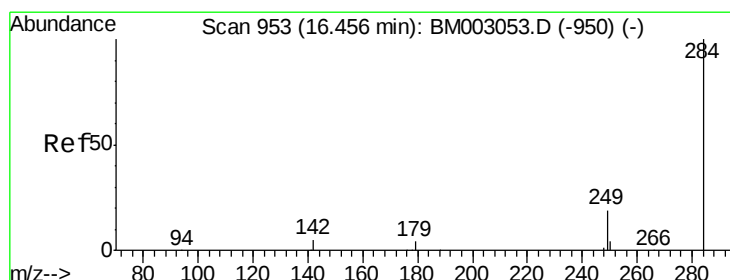
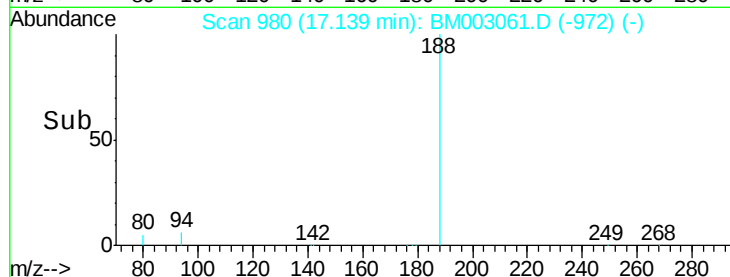
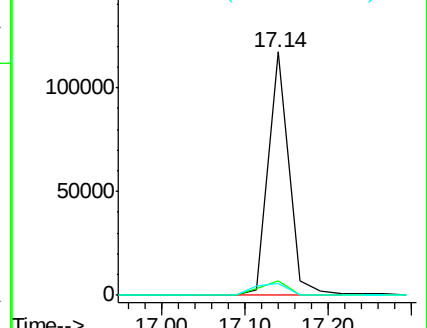
80 5.1 1.4 2.0#



Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BM

Ion 80.00 (79.70 to 80.70): BM



#21

Hexachlorobenzene

Concen: Below Cal

RT: 16.45 min Scan# 953

Delta R.T. -0.01 min

Lab File: BM003061.D

Acq: 05 Nov 2015 13:19

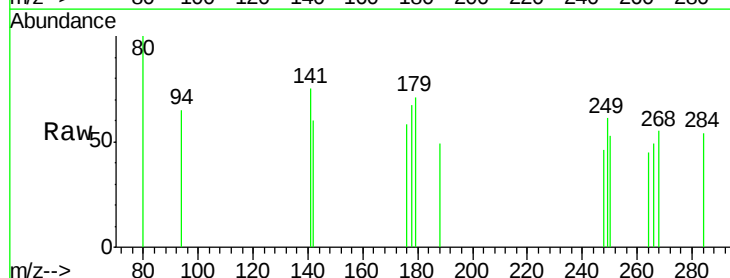
Tgt Ion:284 Resp: 12

Ion Ratio Lower Upper

284 100

142 0.0 0.0 0.0

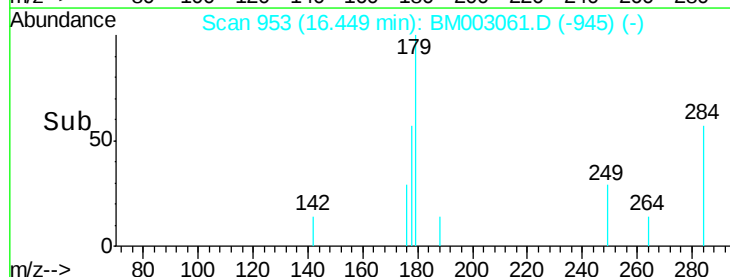
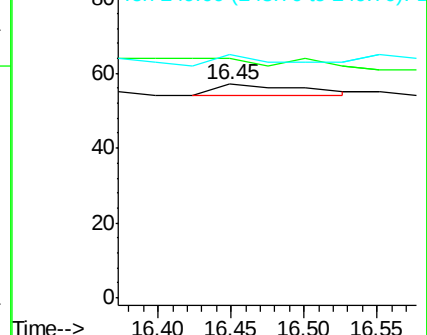
249 66.7 19.4 29.2#

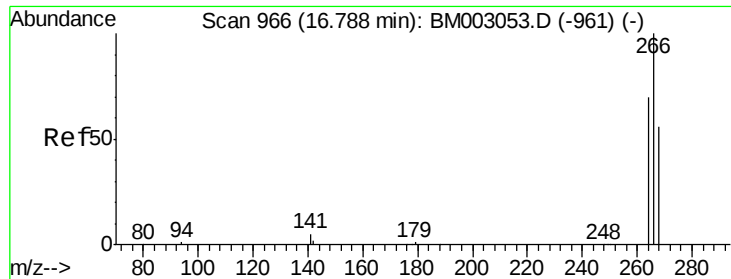


Abundance Ion 283.80 (283.50 to 284.50): E

Ion 142.00 (141.70 to 142.70): E

Ion 249.00 (248.70 to 249.70): E





#22

Pentachlorophenol

Concen: 0.25 ng

RT: 16.81 min Scan# 967

Delta R.T. 0.02 min

Lab File: BM003061.D

Acq: 05 Nov 2015 13:19

Instrument :

BNA_M

ClientSampleId :

PB86422BL

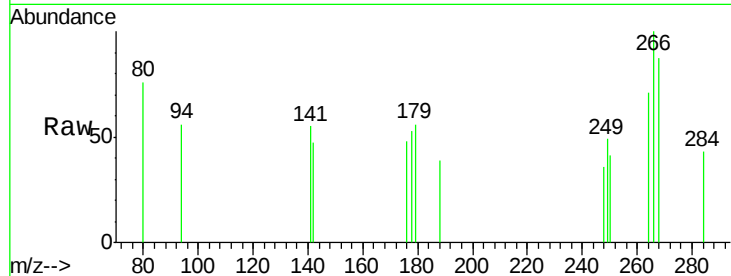
Tgt Ion:266 Resp: 233

Ion Ratio Lower Upper

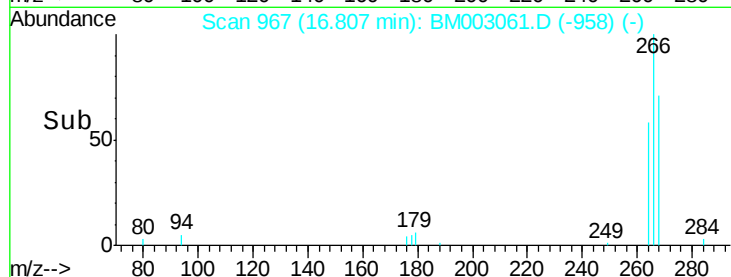
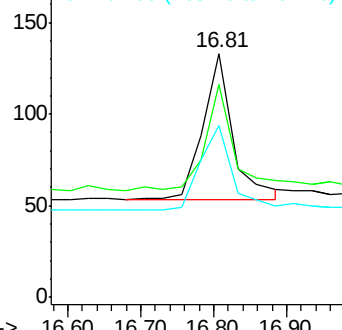
266 100

268 87.2 45.8 68.8#

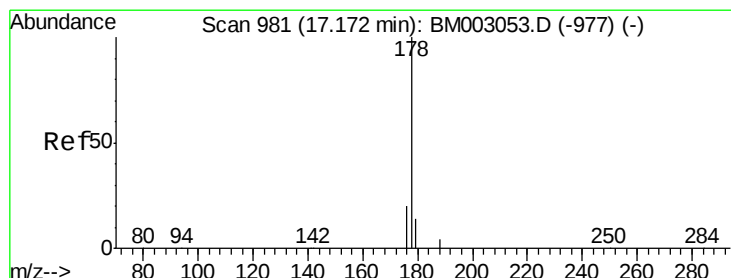
264 70.7 56.7 85.1



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



Time-->



#23

Phenanthrene

Concen: Below Cal

RT: 17.16 min Scan# 981

Delta R.T. -0.01 min

Lab File: BM003061.D

Acq: 05 Nov 2015 13:19

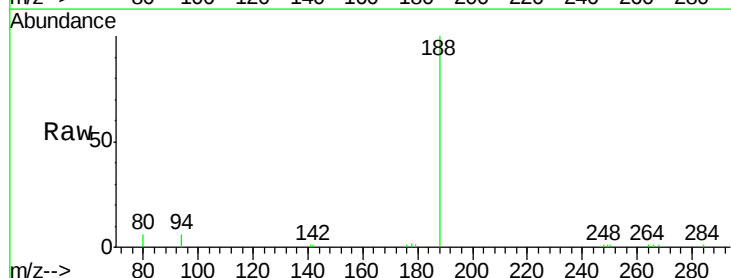
Tgt Ion:178 Resp: 235

Ion Ratio Lower Upper

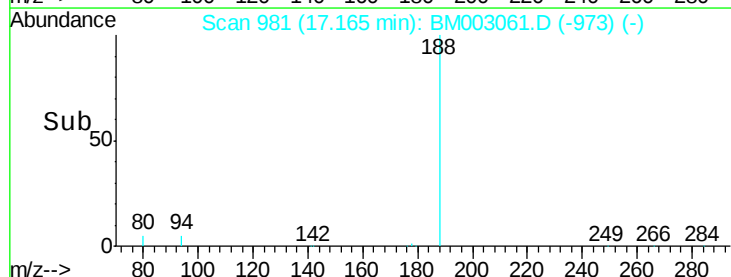
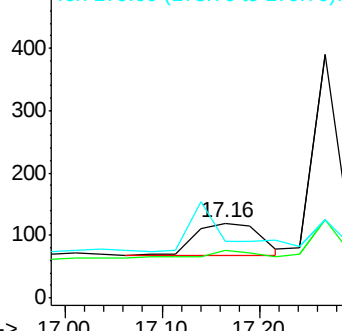
178 100

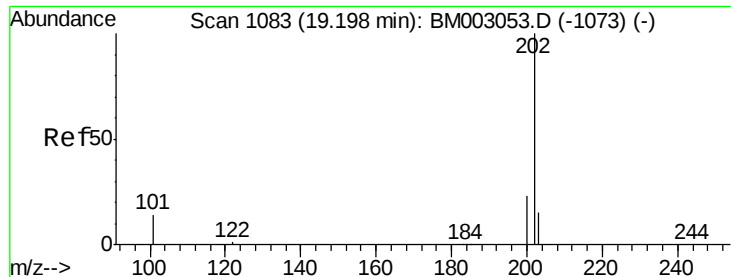
176 17.4 15.9 23.9

179 0.0 11.7 17.5#



Abundance Ion 178.00 (177.70 to 178.70): E
Ion 176.00 (175.70 to 176.70): E
Ion 179.00 (178.70 to 179.70): E

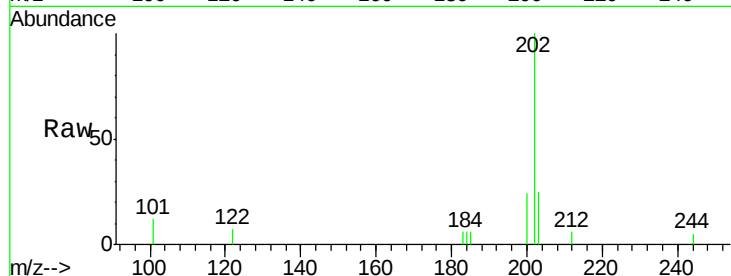




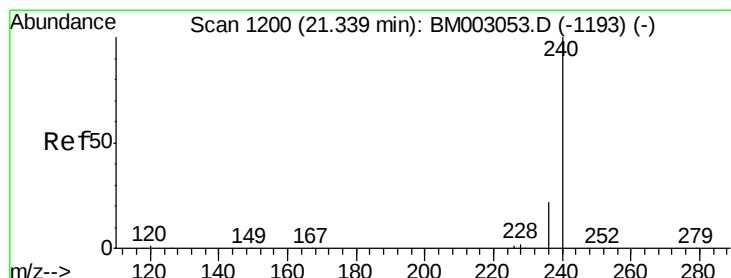
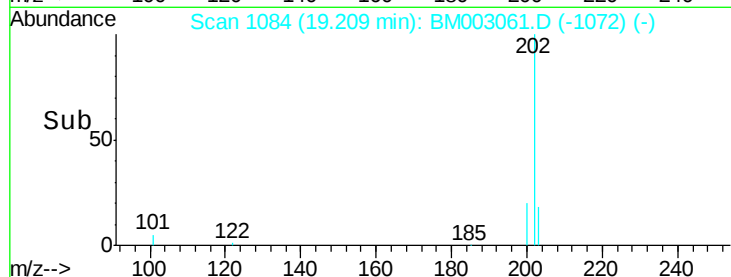
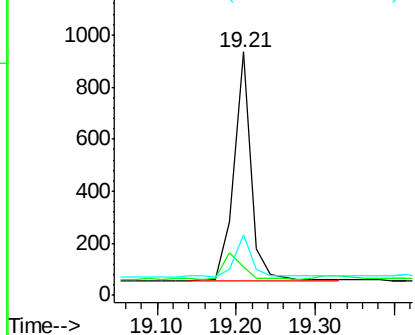
#25
 Fluoranthene
 Concen: Below Cal
 RT: 19.21 min Scan# 1084
 Delta R.T. 0.01 min
 Lab File: BM003061.D
 Acq: 05 Nov 2015 13:19

Instrument :
 BNA_M
 ClientSampleId :
 PB86422BL

Tgt Ion: 202 Resp: 1324
 Ion Ratio Lower Upper
 202 100
 101 14.1 9.9 14.9
 203 20.0 13.9 20.9

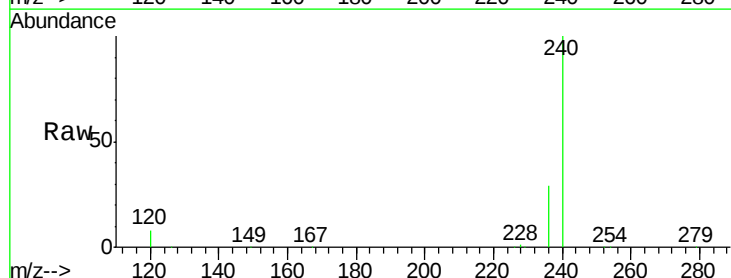


Abundance Ion 202.00 (201.70 to 202.70): E
 Ion 101.00 (100.70 to 101.70): E
 Ion 203.00 (202.70 to 203.70): E

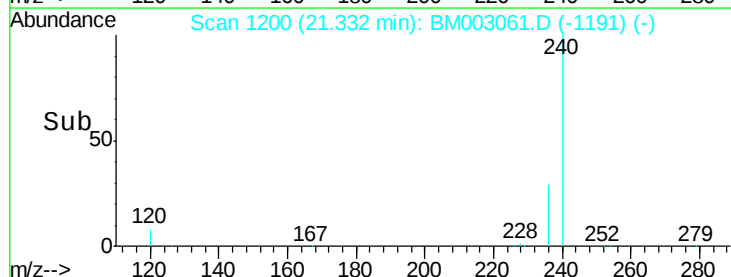
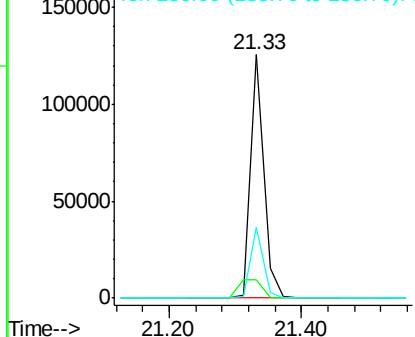


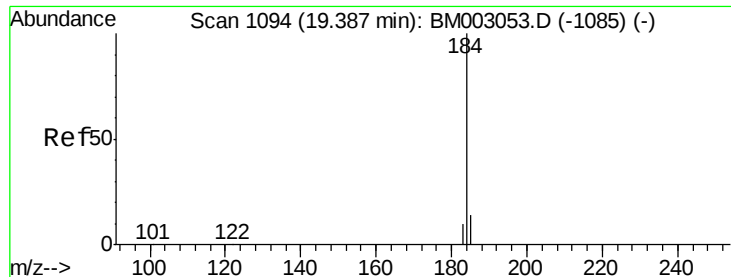
#26
 Chrysene-d12
 Concen: 5.00 ng
 RT: 21.33 min Scan# 1200
 Delta R.T. -0.01 min
 Lab File: BM003061.D
 Acq: 05 Nov 2015 13:19

Tgt Ion: 240 Resp: 177409
 Ion Ratio Lower Upper
 240 100
 120 7.7 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





#27

Benzidine

Concen: Below Cal

RT: 19.40 min Scan# 1095

Delta R.T. 0.01 min

Lab File: BM003061.D

Acq: 05 Nov 2015 13:19

Instrument :

BNA_M

ClientSampleId :

PB86422BL

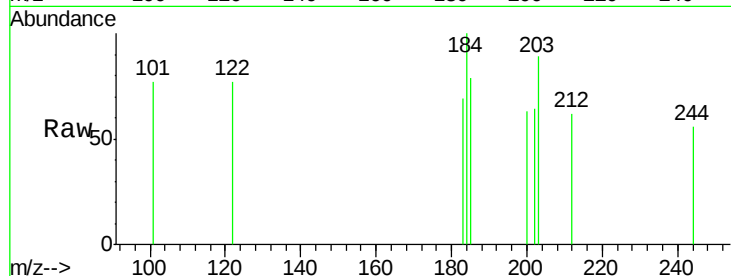
Tgt Ion:184 Resp: 90

Ion Ratio Lower Upper

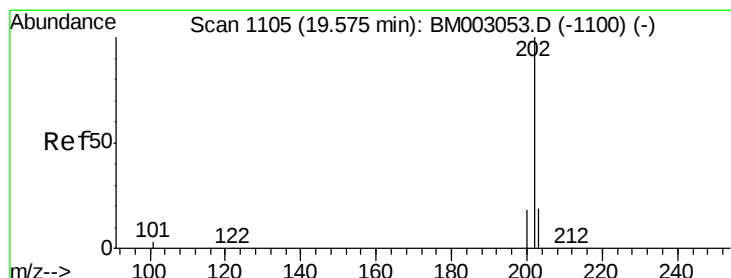
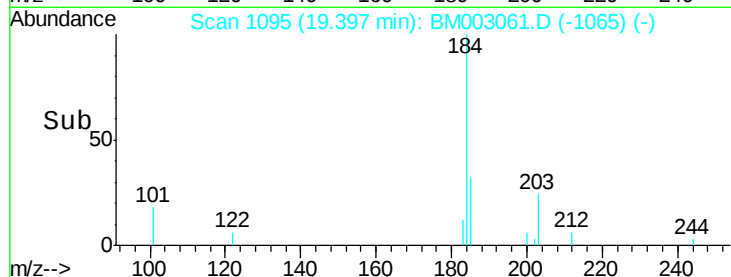
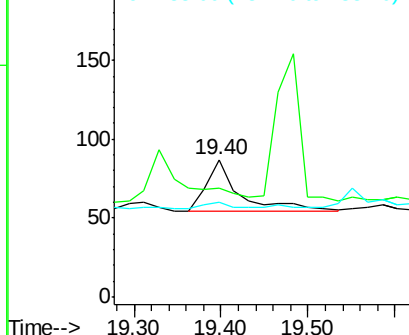
184 100

185 79.3 11.6 17.4#

183 69.0 8.6 13.0#



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: 0.03 ng

RT: 19.57 min Scan# 1105

Delta R.T. -0.01 min

Lab File: BM003061.D

Acq: 05 Nov 2015 13:19

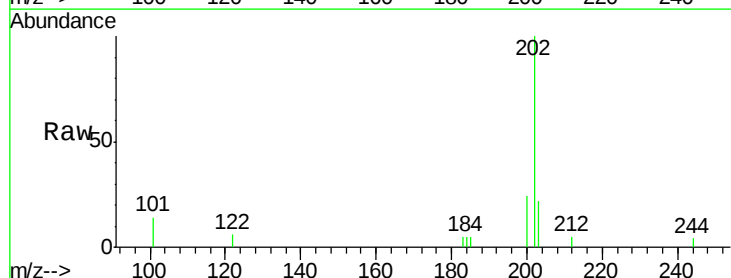
Tgt Ion:202 Resp: 1696

Ion Ratio Lower Upper

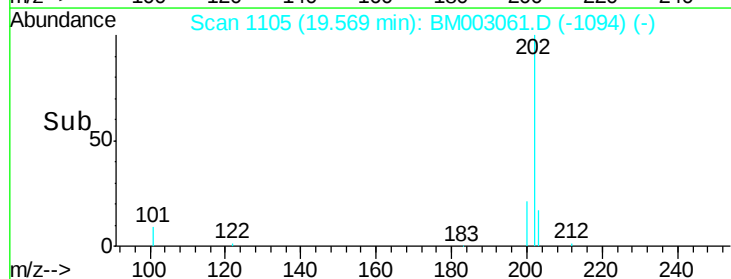
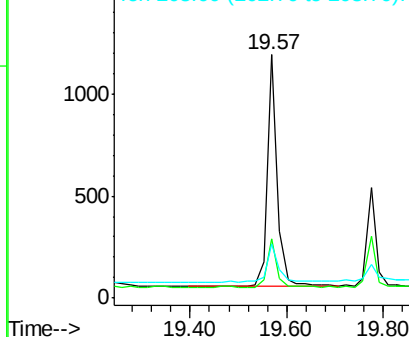
202 100

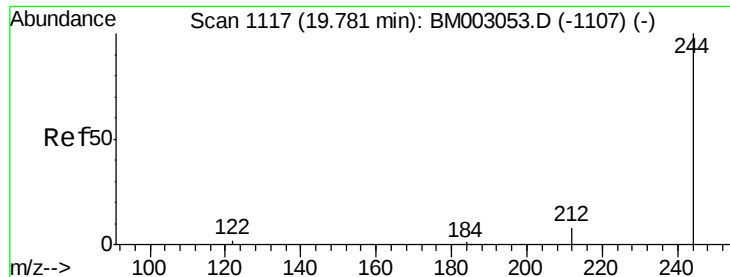
200 20.2 16.7 25.1

203 21.1 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: 5.30 ng

RT: 19.77 min Scan# 1117

Delta R.T. -0.01 min

Lab File: BM003061.D

Acq: 05 Nov 2015 13:19

Instrument :

BNA_M

ClientSampled :

PB86422BL

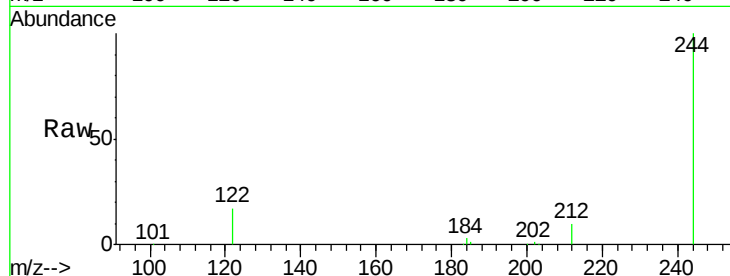
Tgt Ion:244 Resp: 135425

Ion Ratio Lower Upper

244 100

212 10.4 6.5 9.7#

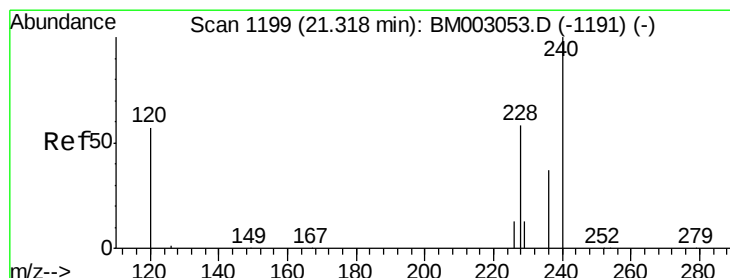
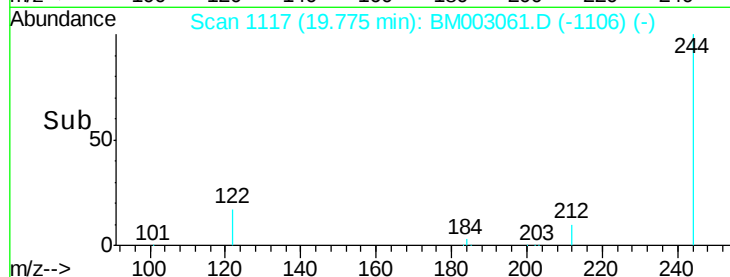
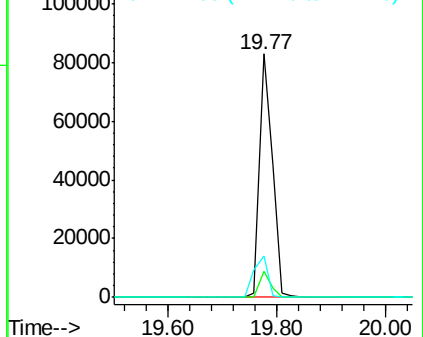
122 17.2 2.0 3.0#



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: 0.27 ng

RT: 21.37 min Scan# 1202

Delta R.T. 0.06 min

Lab File: BM003061.D

Acq: 05 Nov 2015 13:19

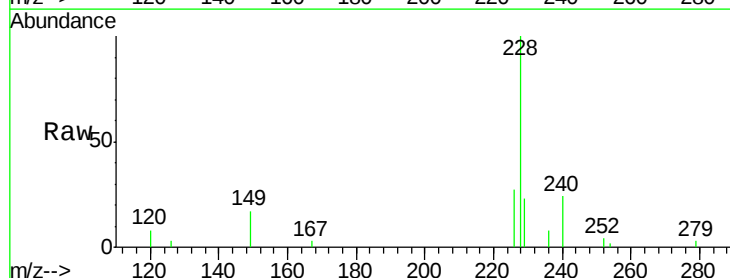
Tgt Ion:228 Resp: 10883

Ion Ratio Lower Upper

228 100

226 26.5 17.8 26.6

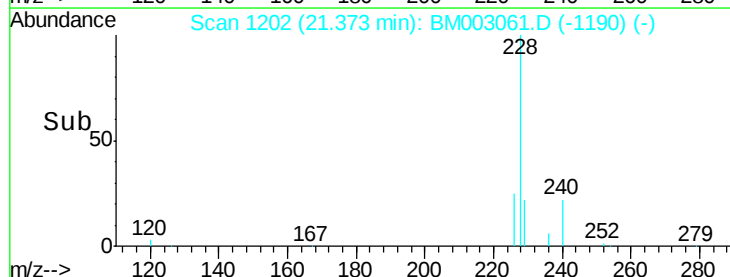
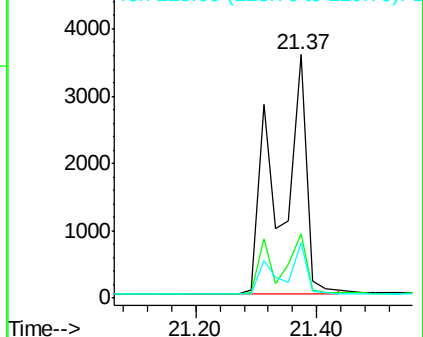
229 22.9 18.0 27.0

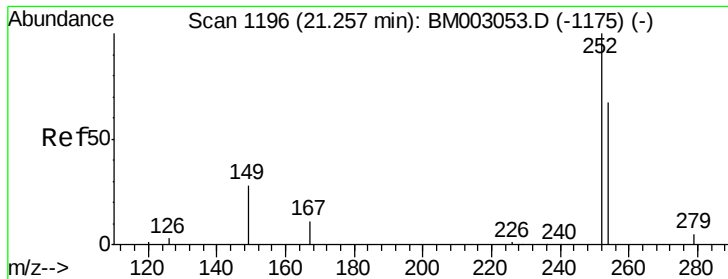


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

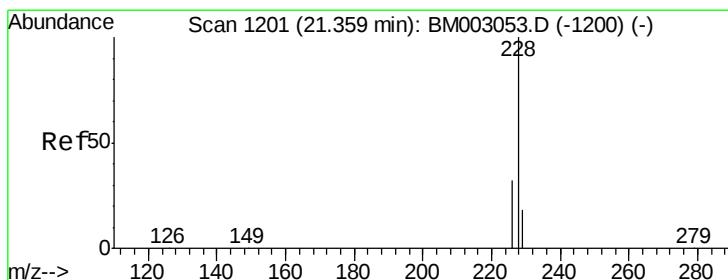
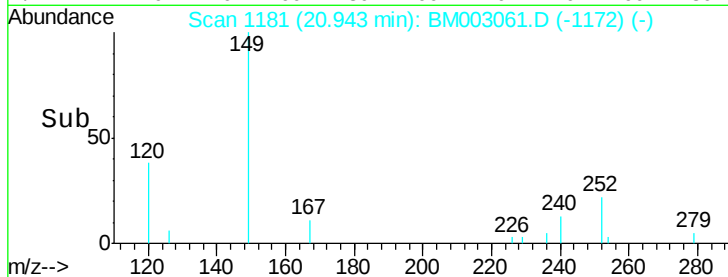
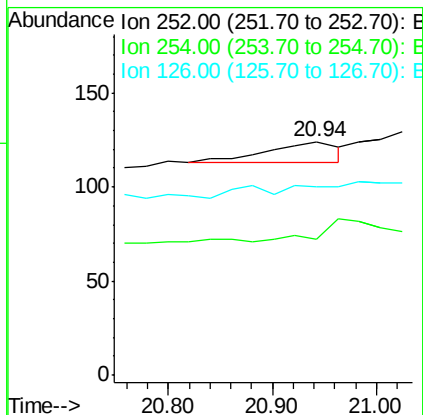
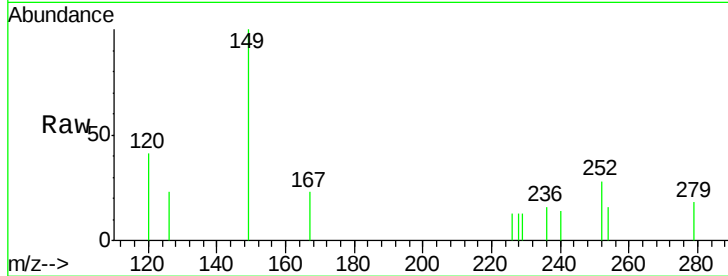




#31
 3,3'-Dichlorobenzidine
 Concen: 0.21 ng
 RT: 20.94 min Scan# 1181
 Delta R.T. -0.31 min
 Lab File: BM003061.D
 Acq: 05 Nov 2015 13:19

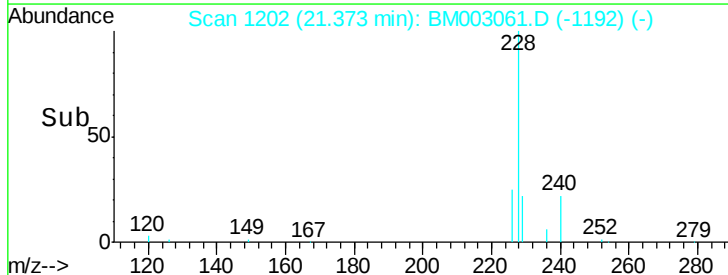
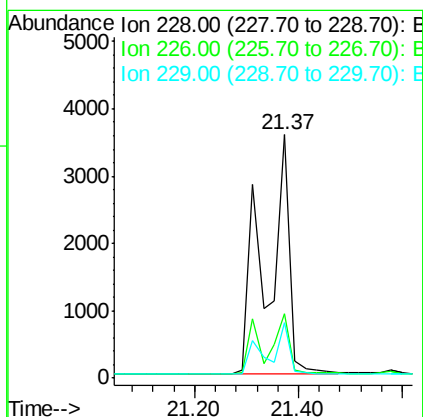
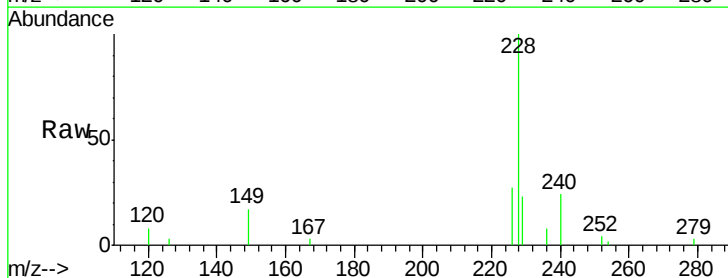
Instrument :
 BNA_M
 ClientSampleId :
 PB86422BL

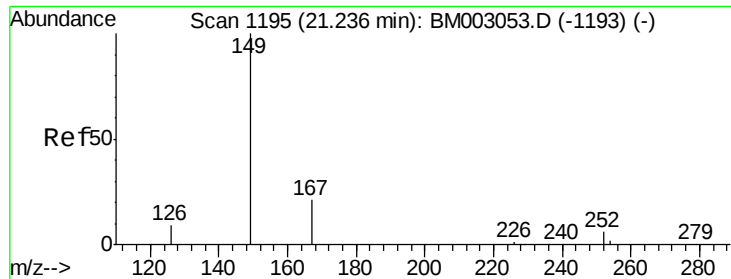
Tgt Ion: 252 Resp: 53
 Ion Ratio Lower Upper
 252 100
 254 58.1 53.7 80.5
 126 80.6 2.8 4.2#



#32
 Chrysene
 Concen: 0.10 ng
 RT: 21.37 min Scan# 1202
 Delta R.T. 0.01 min
 Lab File: BM003061.D
 Acq: 05 Nov 2015 13:19

Tgt Ion: 228 Resp: 10975
 Ion Ratio Lower Upper
 228 100
 226 26.5 25.5 38.3
 229 22.9 14.3 21.5#





#33

Bis(2-ethylhexyl)phthalate

Concen: 0.28 ng

RT: 21.25 min Scan# 1196

Delta R.T. 0.01 min

Lab File: BM003061.D

Acq: 05 Nov 2015 13:19

Instrument :

BNA_M

ClientSampleId :

PB86422BL

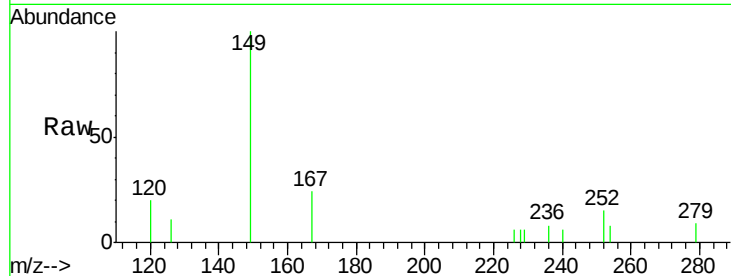
Tgt Ion:149 Resp: 710

Ion Ratio Lower Upper

149 100

167 34.6 19.6 29.4#

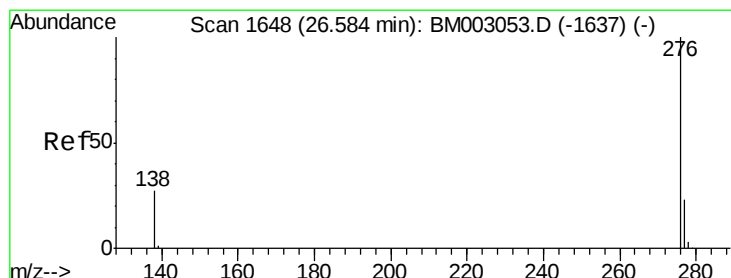
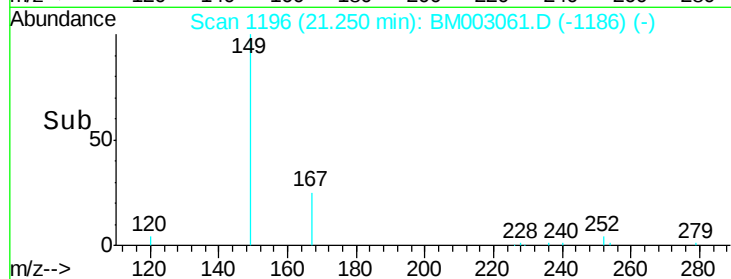
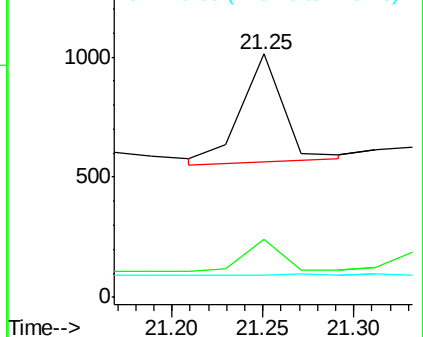
279 0.0 0.0 0.0



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: 0.16 ng

RT: 26.59 min Scan# 1648

Delta R.T. 0.00 min

Lab File: BM003061.D

Acq: 05 Nov 2015 13:19

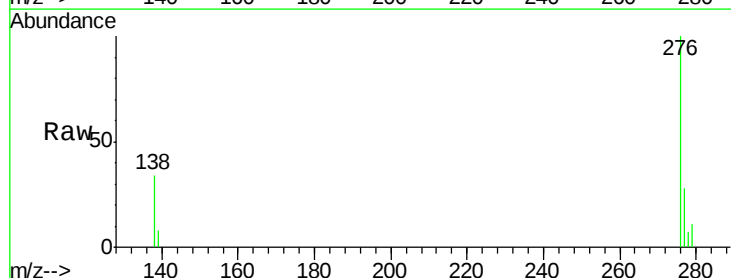
Tgt Ion:276 Resp: 4423

Ion Ratio Lower Upper

276 100

138 28.0 22.6 33.8

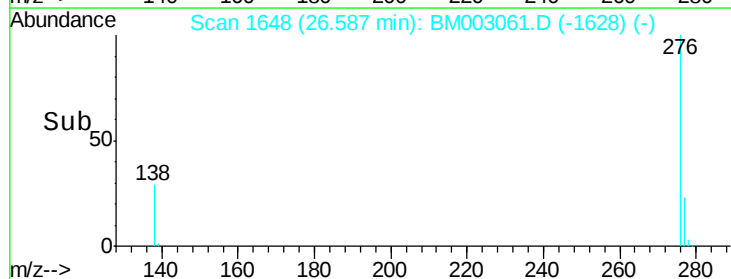
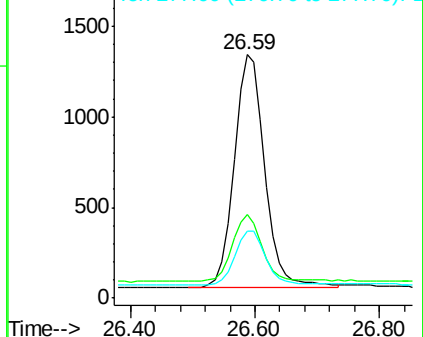
277 24.0 18.7 28.1

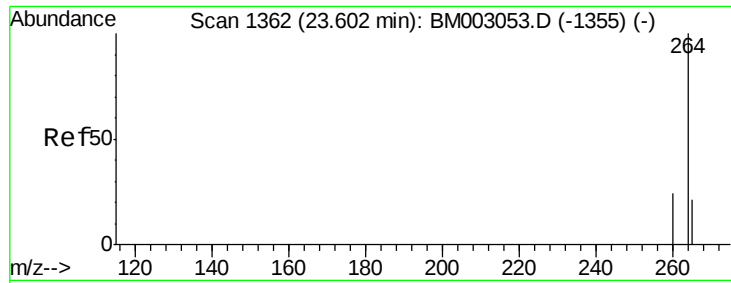


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E

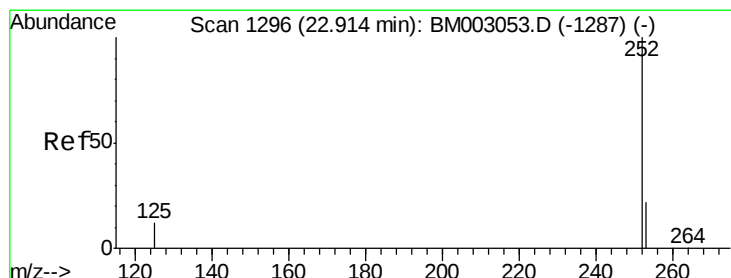
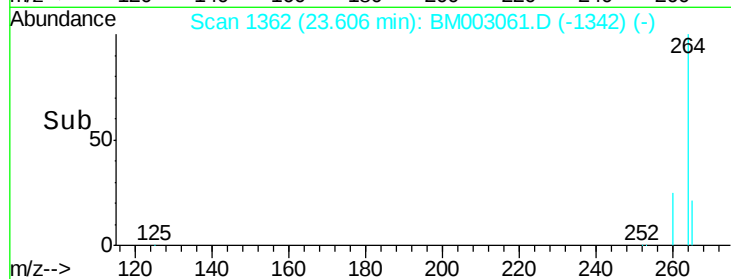
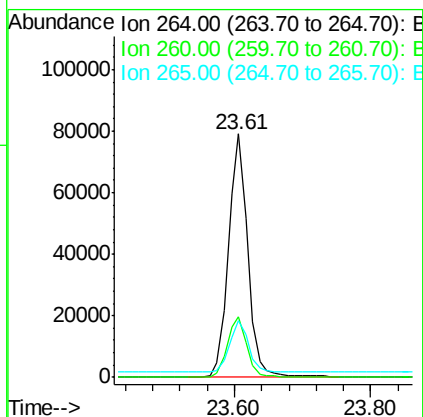
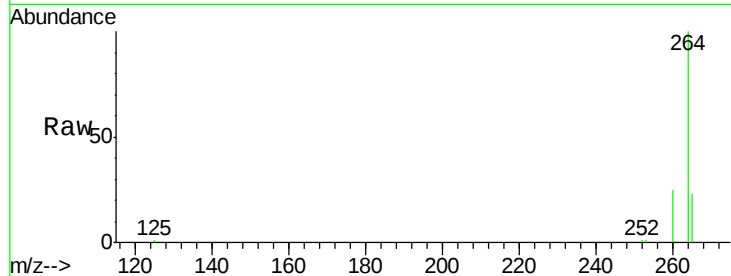




#35
 Perylene-d12
 Concen: 5.00 ng
 RT: 23.61 min Scan# 1362
 Delta R.T. 0.00 min
 Lab File: BM003061.D
 Acq: 05 Nov 2015 13:19

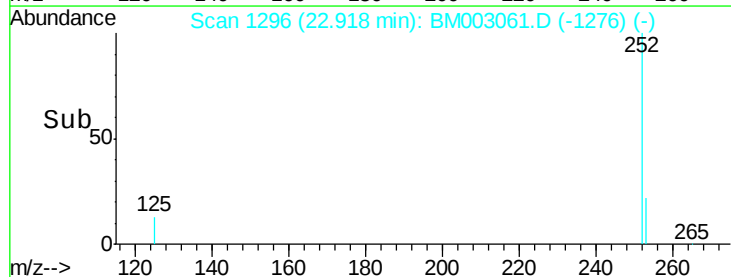
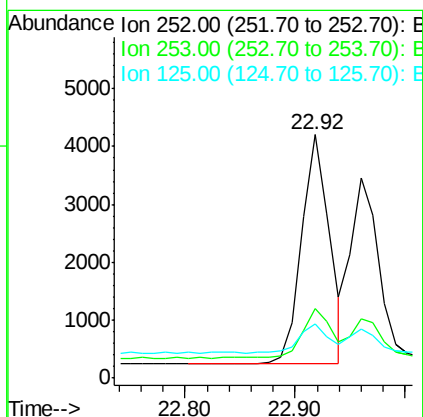
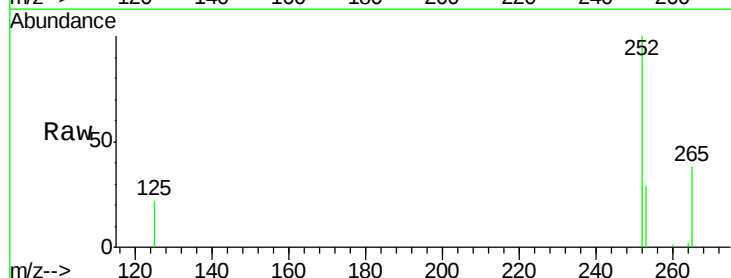
Instrument :
 BNA_M
 ClientSampleId :
 PB86422BL

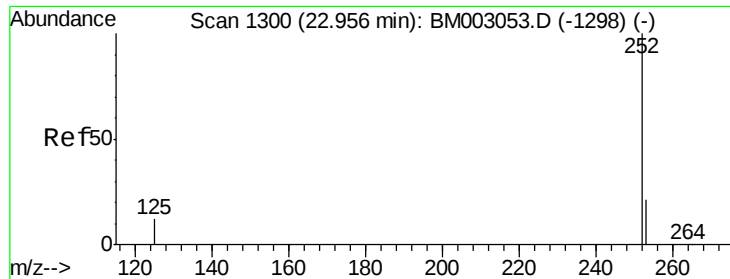
Tgt Ion: 264 Resp: 154823
 Ion Ratio Lower Upper
 264 100
 260 24.8 19.6 29.4
 265 23.1 18.4 27.6



#36
 Benzo(b)fluoranthene
 Concen: 0.12 ng
 RT: 22.92 min Scan# 1296
 Delta R.T. 0.00 min
 Lab File: BM003061.D
 Acq: 05 Nov 2015 13:19

Tgt Ion: 252 Resp: 6976
 Ion Ratio Lower Upper
 252 100
 253 28.6 18.2 27.4#
 125 22.3 10.3 15.5#

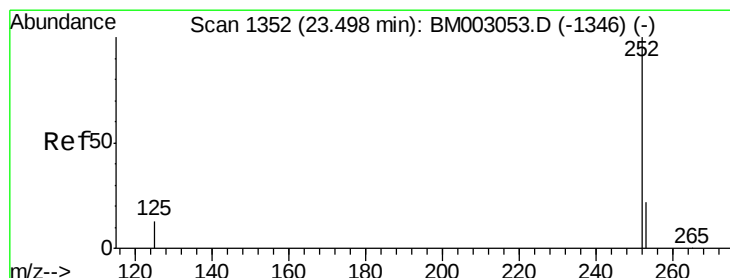
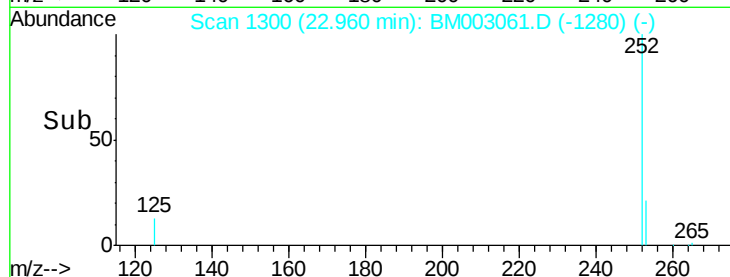
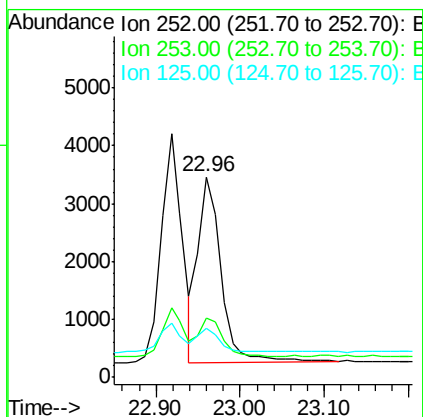
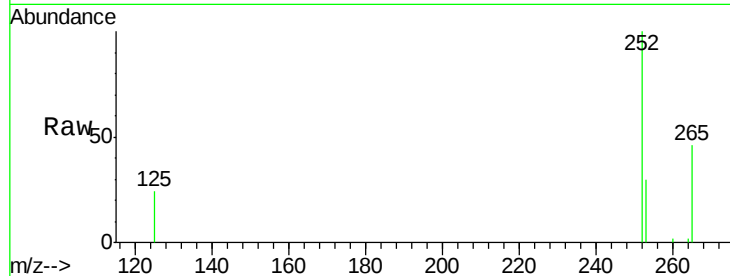




#37
Benzo(k)fluoranthene
Concen: 0.10 ng
RT: 22.96 min Scan# 1300
Delta R.T. 0.00 min
Lab File: BM003061.D
Acq: 05 Nov 2015 13:19

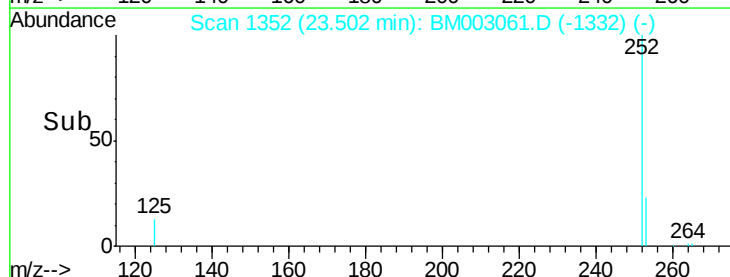
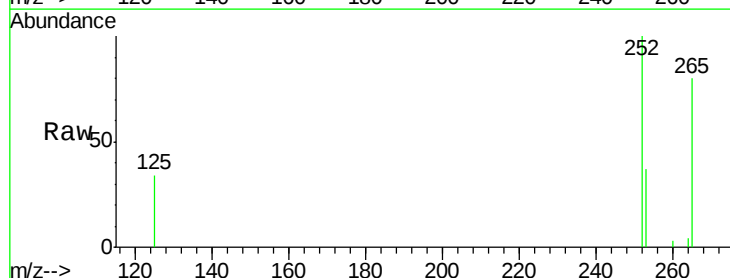
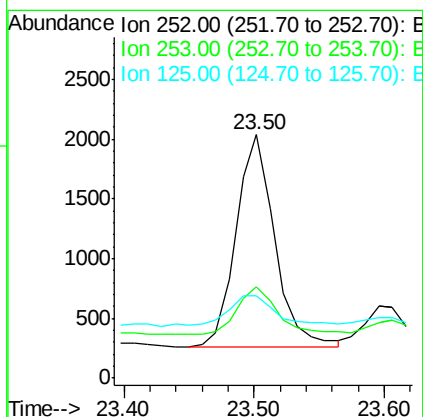
Instrument :
BNA_M
ClientSampleId :
PB86422BL

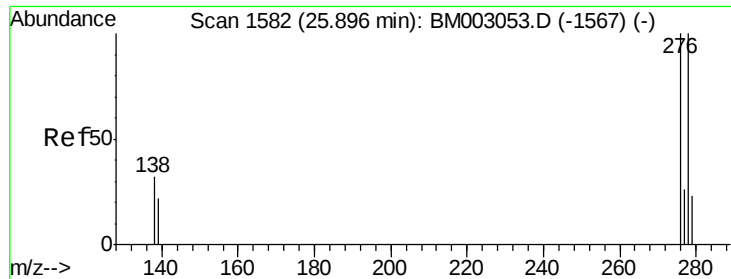
Tgt Ion: 252 Resp: 5976
Ion Ratio Lower Upper
252 100
253 29.8 17.5 26.3#
125 24.5 10.7 16.1#



#38
Benzo(a)pyrene
Concen: 0.09 ng
RT: 23.50 min Scan# 1352
Delta R.T. 0.00 min
Lab File: BM003061.D
Acq: 05 Nov 2015 13:19

Tgt Ion: 252 Resp: 3645
Ion Ratio Lower Upper
252 100
253 37.4 18.7 28.1#
125 33.8 11.6 17.4#





#39

Dibenzo(a,h)anthracene

Concen: 0.09 ng

RT: 25.91 min Scan# 1583

Delta R.T. 0.01 min

Lab File: BM003061.D

Acq: 05 Nov 2015 13:19

Instrument :

BNA_M

ClientSampleId :

PB86422BL

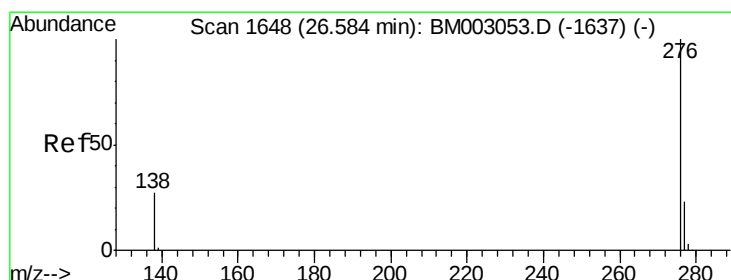
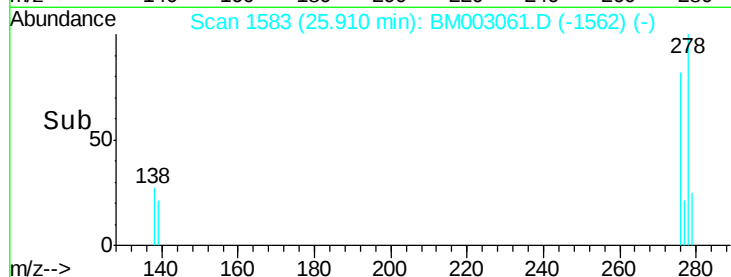
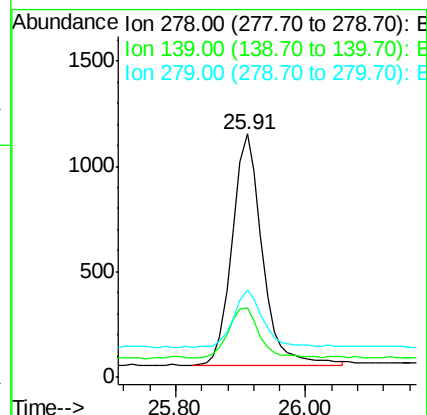
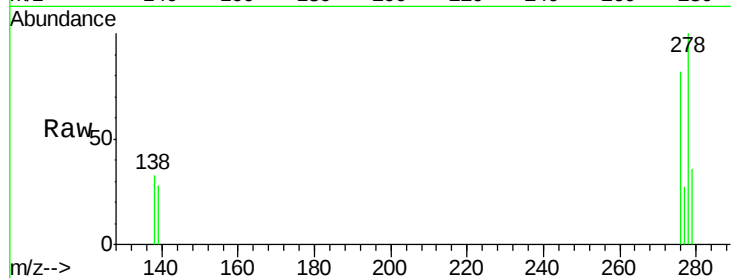
Tgt Ion:278 Resp: 3492

Ion Ratio Lower Upper

278 100

139 28.3 18.2 27.4#

279 35.9 18.8 28.2#



#40

Benzo(g,h,i)perylene

Concen: 0.11 ng

RT: 26.59 min Scan# 1648

Delta R.T. 0.00 min

Lab File: BM003061.D

Acq: 05 Nov 2015 13:19

Tgt Ion:276 Resp: 4423

Ion Ratio Lower Upper

276 100

277 27.8 19.0 28.6

138 34.1 22.3 33.5#

