

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM100915\
 Data File : BM002881.D
 Acq On : 09 Oct 2015 10:49
 Operator : UM/IZ
 Sample : G3692-22DL 2X
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 RR-PAH-WPDL

Quant Time: Oct 10 05:30:44 2015
 Quant Method : Z:\HPCHEM1\BNA_M\METHODS\8270-SIM-BM100815.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Oct 09 06:47:52 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.66	152	86470	5.00	ng	-0.02
7) Naphthalene-d8	11.51	136	344641	5.00	ng	-0.01
13) Acenaphthene-d10	15.25	164	189015	5.00	ng	0.00
19) Phenanthrene-d10	17.97	188	356909	5.00	ng	0.02
26) Chrysene-d12	22.05	240	366609	5.00	ng	0.00
35) Perylene-d12	24.63	264	289435	5.00	ng	0.00

System Monitoring Compounds						
4) 2-Fluorophenol	6.13	112	65355	3.54	ng	-0.02
5) Phenol-d6	7.79	99	85273	3.73	ng	-0.02
8) Nitrobenzene-d5	9.88	82	33355	1.92	ng	0.00
14) 2,4,6-Tribromophenol	16.74	330	19501	3.12	ng	0.00
15) 2-Fluorobiphenyl	13.89	172	121224	2.12	ng	0.00
29) Terphenyl-d14	20.49	244	117811	2.41	ng	0.00

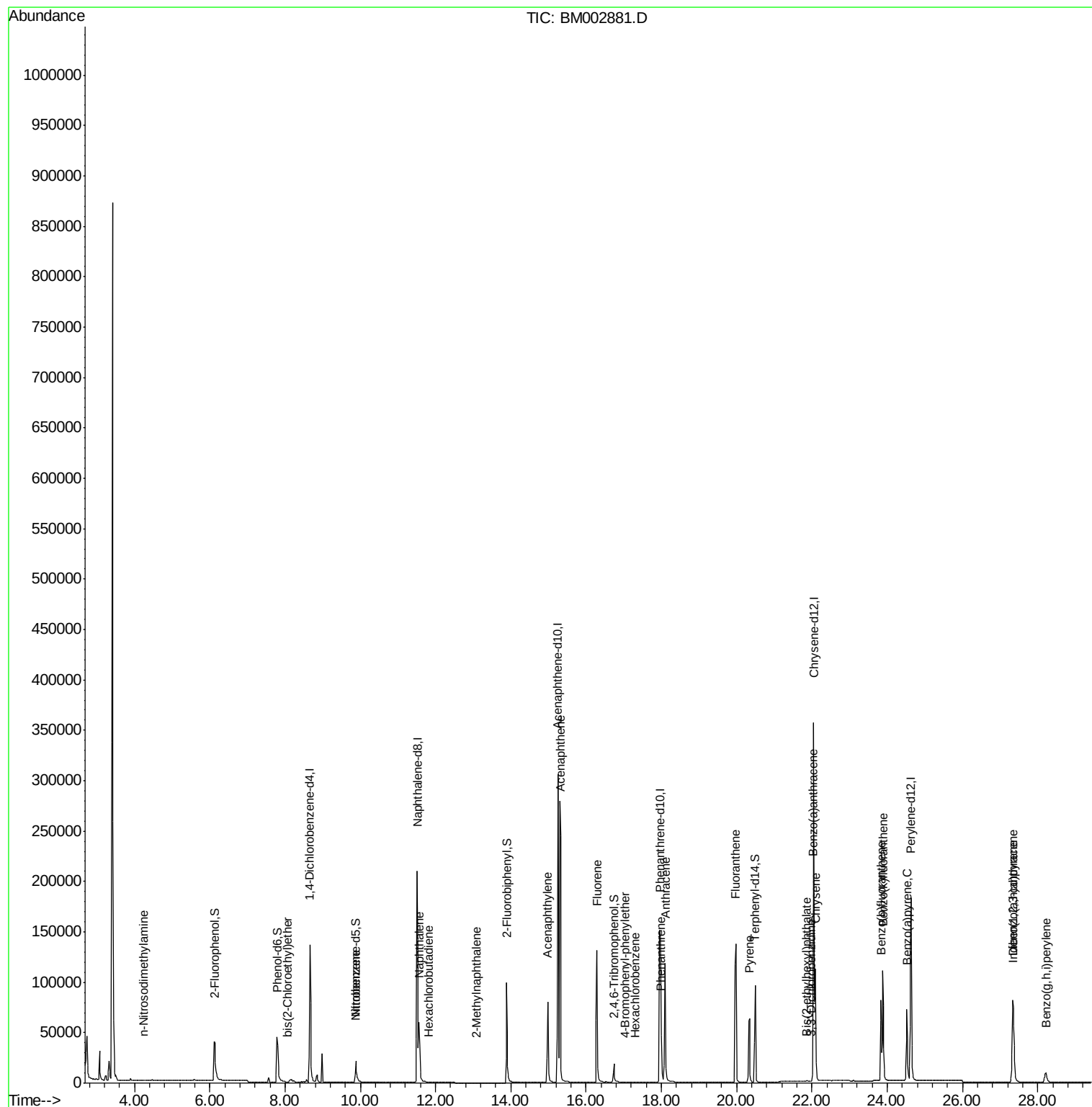
Target Compounds						Qvalue
3) n-Nitrosodimethylamine	4.25	42	9	0.00	ng	# 29
6) bis(2-Chloroethyl)ether	8.06	93	121	0.01	ng	# 32
9) Nitrobenzene	9.87	77	139	0.01	ng	# 5
10) Naphthalene	11.56	128	96468	1.26	ng	97
11) Hexachlorobutadiene	11.82	225	9	0.00	ng	# 10
12) 2-Methylnaphthalene	13.09	142	8	0.00	ng	# 5
16) Acenaphthylene	14.98	152	117756	1.47	ng	100
17) Acenaphthene	15.32	154	251272	4.85	ng	# 100
18) Fluorene	16.29	166	126709	2.00	ng	99
20) 4-Bromophenyl-phenylether	17.03	248	226	0.01	ng	# 16
21) Hexachlorobenzene	17.31	284	14	0.00	ng	# 25
23) Phenanthrene	18.00	178	56292	0.54	ng	99
24) Anthracene	18.10	178	171380	1.94	ng	100
25) Fluoranthene	19.98	202	190375	1.65	ng	99
28) Pyrene	20.34	202	92682	0.94	ng	99
30) Benzo(a)anthracene	22.03	228	164562	1.56	ng	93
31) 3,3'-Dichlorobenzidine	21.97	252	220	0.01	ng	# 77
32) Chrysene	22.09	228	104331	1.06	ng	94
33) Bis(2-ethylhexyl)phthalate	21.87	149	634	0.01	ng	# 83
34) Indeno(1,2,3-cd)pyrene	27.35	276	63851	0.54	ng	# 86
36) Benzo(b)fluoranthene	23.84	252	112802	1.36	ng	99
37) Benzo(k)fluoranthene	23.89	252	164163	2.05	ng	99
38) Benzo(a)pyrene	24.53	252	120810	1.59	ng	99
39) Dibenzo(a,h)anthracene	27.34	278	124601	1.68	ng	98
40) Benzo(g,h,i)perylene	28.22	276	26513	0.35	ng	98

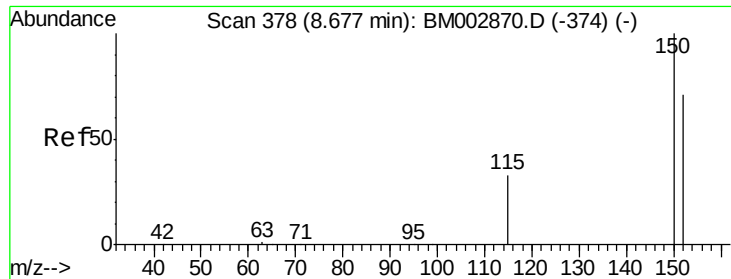
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 5.00 ng

RT: 8.66 min Scan# 377

Delta R.T. -0.02 min

Lab File: BM002881.D

Acq: 09 Oct 2015 10:49

Instrument :

BNA_M

ClientSampleId :

RR-PAH-WPDL

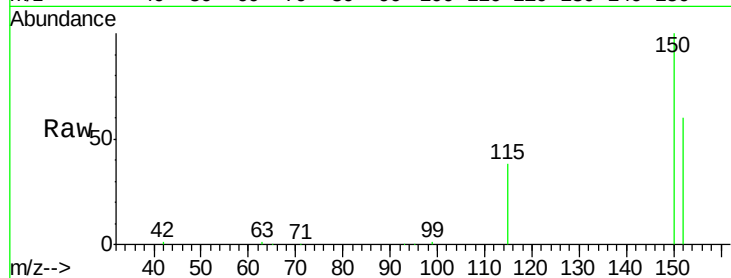
Tgt Ion:152 Resp: 86470

Ion Ratio Lower Upper

152 100

150 166.0 113.0 169.6

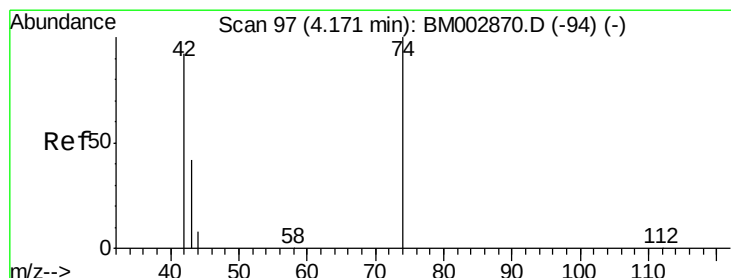
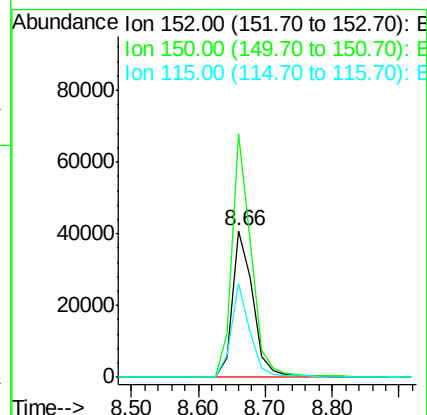
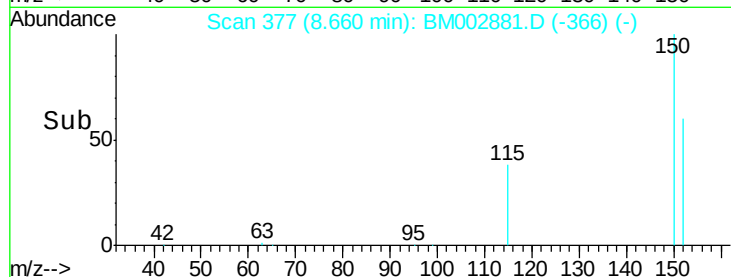
115 63.7 37.9 56.9#



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



#3

n-Nitrosodimethylamine

Concen: 0.00 ng

RT: 4.25 min Scan# 102

Delta R.T. 0.08 min

Lab File: BM002881.D

Acq: 09 Oct 2015 10:49

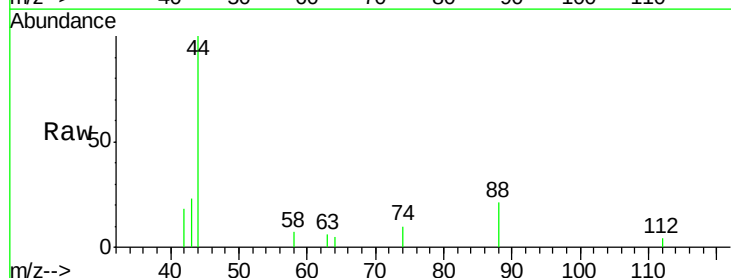
Tgt Ion: 42 Resp: 9

Ion Ratio Lower Upper

42 100

74 55.6 119.7 179.5#

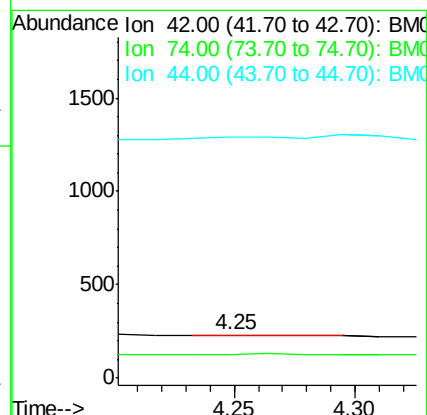
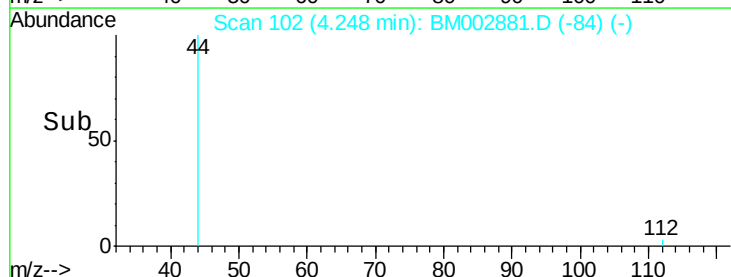
44 0.0 9.8 14.6#

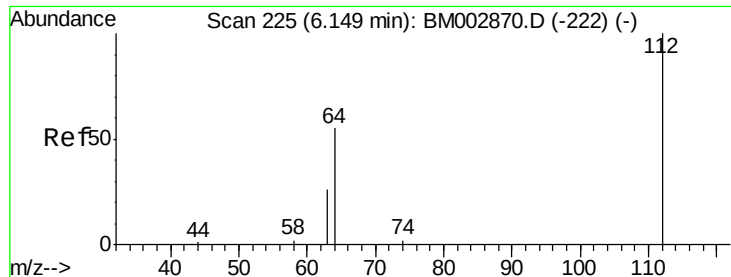


Abundance Ion 42.00 (41.70 to 42.70): BM0

Ion 74.00 (73.70 to 74.70): BM0

Ion 44.00 (43.70 to 44.70): BM0





#4

2-Fluorophenol

Concen: 3.54 ng

RT: 6.13 min Scan# 224

Delta R.T. -0.02 min

Lab File: BM002881.D

Acq: 09 Oct 2015 10:49

Instrument :

BNA_M

ClientSampleId :

RR-PAH-WPDL

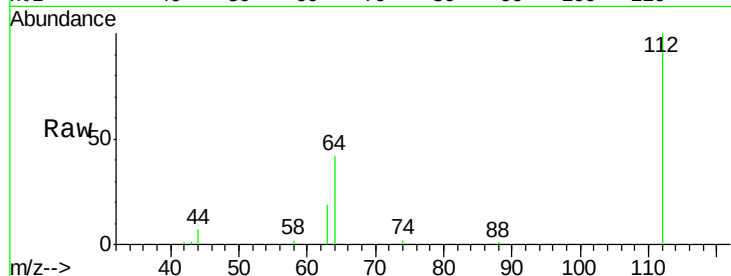
Tgt Ion: 112 Resp: 65355

Ion Ratio Lower Upper

112 100

64 51.9 42.0 63.0

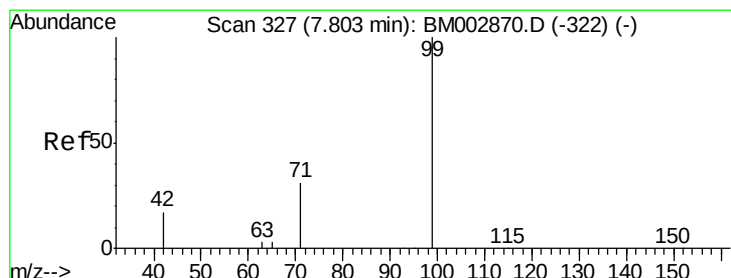
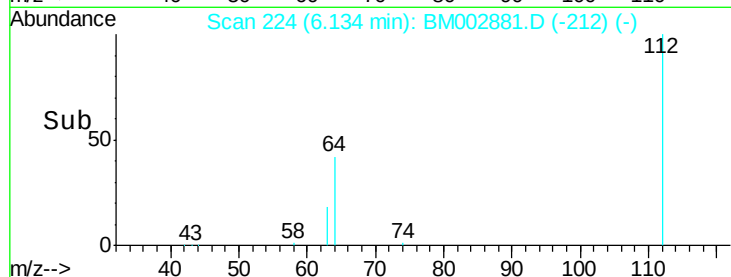
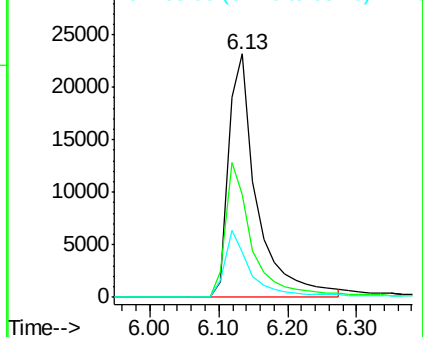
63 24.6 20.0 30.0



Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BM0

Ion 63.00 (62.70 to 63.70): BM0



#5

Phenol-d6

Concen: 3.73 ng

RT: 7.79 min Scan# 326

Delta R.T. -0.02 min

Lab File: BM002881.D

Acq: 09 Oct 2015 10:49

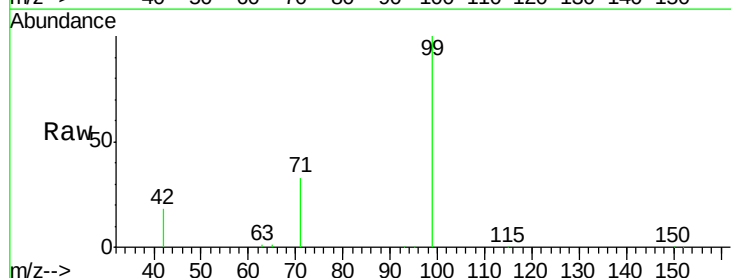
Tgt Ion: 99 Resp: 85273

Ion Ratio Lower Upper

99 100

42 15.5 12.4 18.6

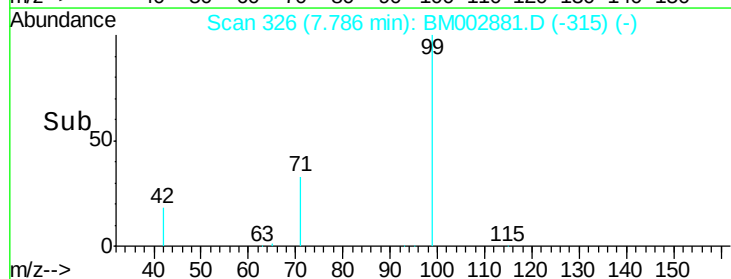
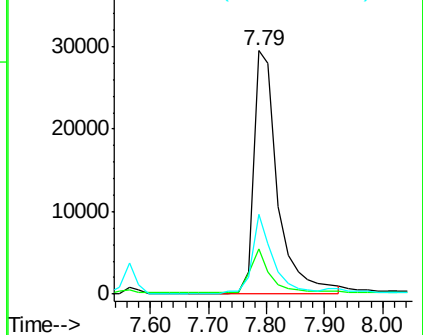
71 28.0 21.4 32.0

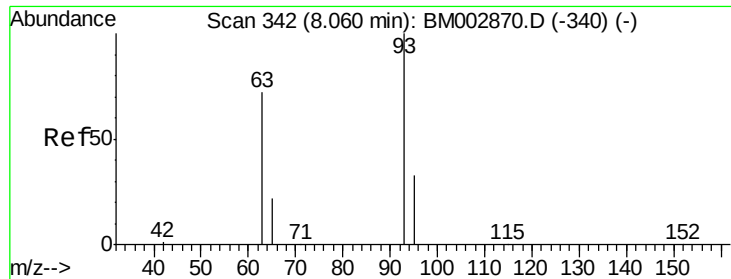


Abundance Ion 99.00 (98.70 to 99.70): BM0

Ion 42.00 (41.70 to 42.70): BM0

Ion 71.00 (70.70 to 71.70): BM0





#6

bis(2-Chloroethyl)ether

Concen: 0.01 ng

RT: 8.06 min Scan# 342

Delta R.T. 0.00 min

Lab File: BM002881.D

Acq: 09 Oct 2015 10:49

Instrument :

BNA_M

ClientSampleId :

RR-PAH-WPDL

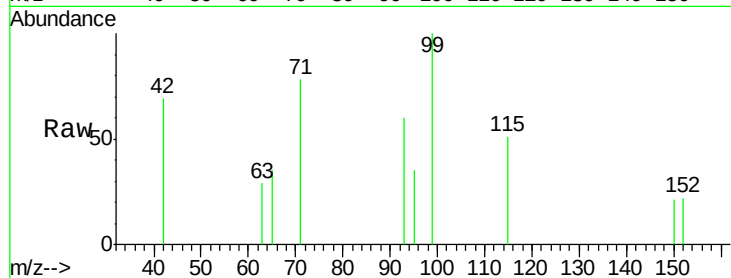
Tgt Ion: 93 Resp: 121

Ion Ratio Lower Upper

93 100

63 0.0 52.9 79.3#

95 10.7 25.2 37.8#

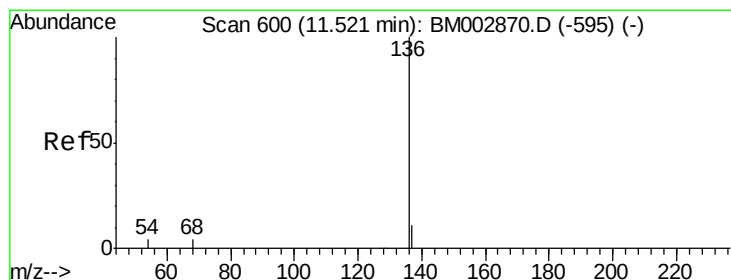
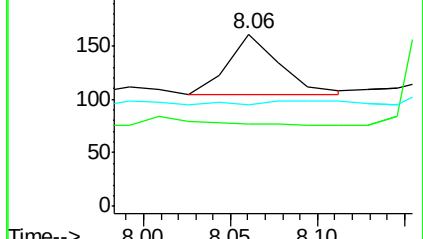
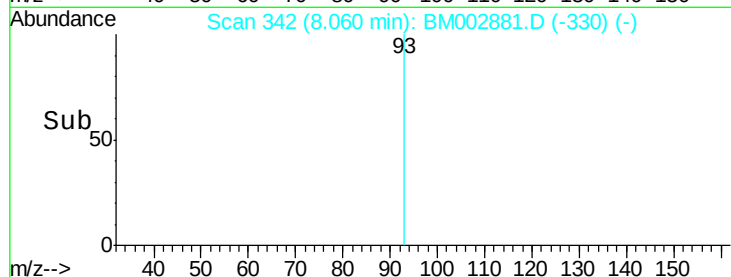


Abundance Ion 93.00 (92.70 to 93.70): BM002881.D (-330) (-)

Ion 63.00 (62.70 to 63.70): BM002881.D (-330) (-)

Ion 95.00 (94.70 to 95.70): BM002881.D (-330) (-)

Time-->



#7

Naphthalene-d8

Concen: 5.00 ng

RT: 11.51 min Scan# 600

Delta R.T. -0.01 min

Lab File: BM002881.D

Acq: 09 Oct 2015 10:49

Tgt Ion: 136 Resp: 344641

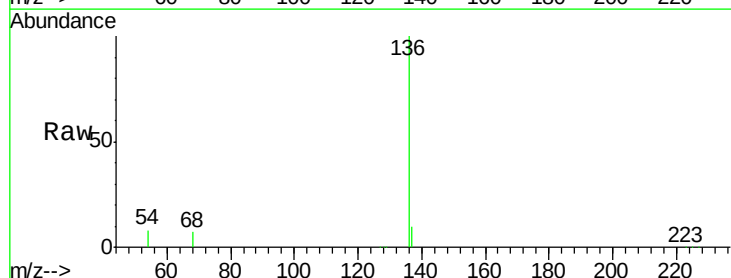
Ion Ratio Lower Upper

136 100

137 10.4 9.1 13.7

54 7.8 3.5 5.3#

68 6.6 3.3 4.9#



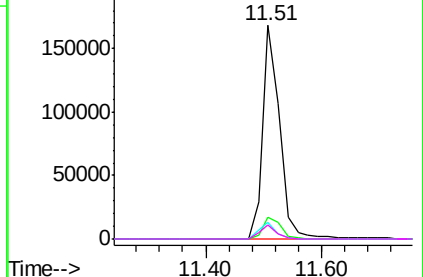
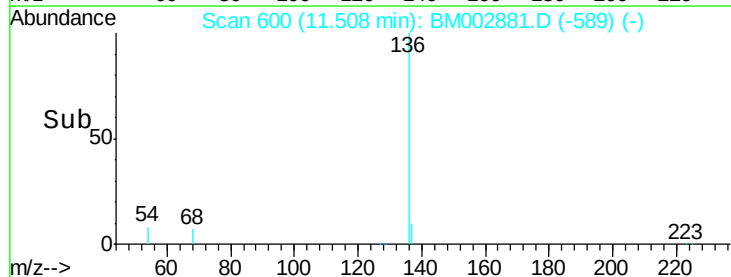
Abundance Ion 136.00 (135.70 to 136.70): BM002881.D (-589) (-)

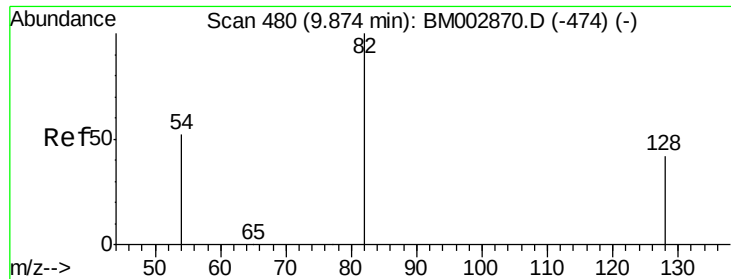
Ion 137.00 (136.70 to 137.70): BM002881.D (-589) (-)

Ion 54.00 (53.70 to 54.70): BM002881.D (-589) (-)

Ion 68.00 (67.70 to 68.70): BM002881.D (-589) (-)

Time-->

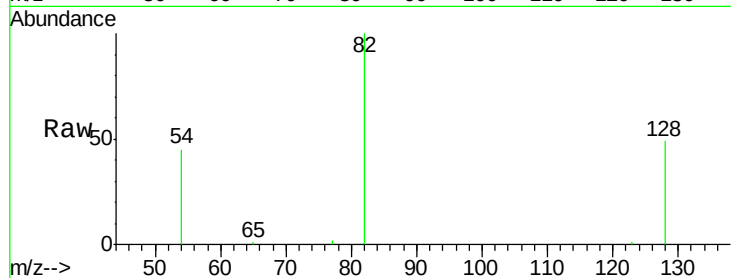




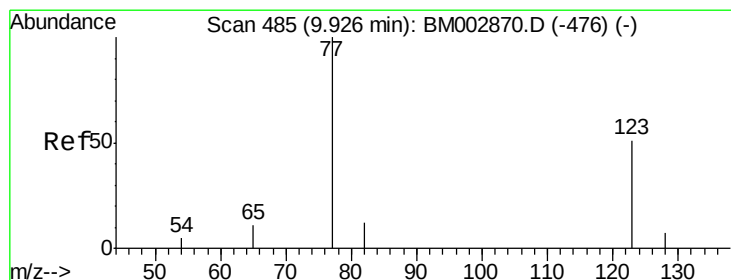
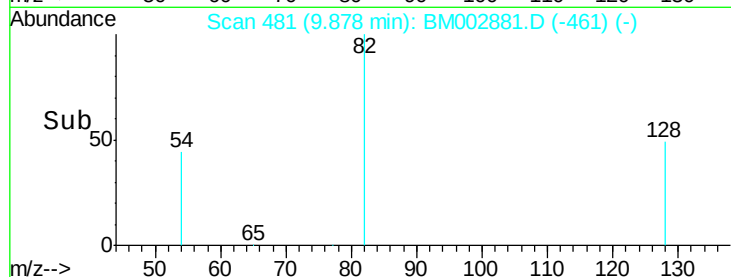
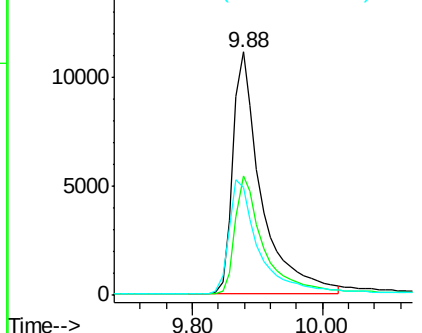
#8
 Nitrobenzene-d5
 Concen: 1.92 ng
 RT: 9.88 min Scan# 481
 Delta R.T. 0.00 min
 Lab File: BM002881.D
 Acq: 09 Oct 2015 10:49

Instrument :
 BNA_M
 ClientSampleId :
 RR-PAH-WPDL

Tgt Ion: 82 Resp: 33355
 Ion Ratio Lower Upper
 82 100
 128 48.9 34.1 51.1
 54 44.6 42.6 63.8

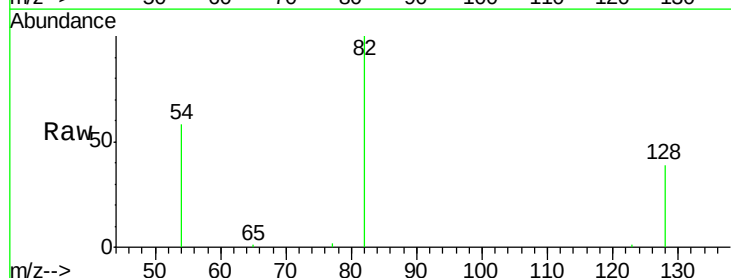


Abundance Ion 82.00 (81.70 to 82.70): BM002881.D (-461) (-)
 Ion 128.00 (127.70 to 128.70): BM002881.D (-461) (-)
 Ion 54.00 (53.70 to 54.70): BM002881.D (-461) (-)

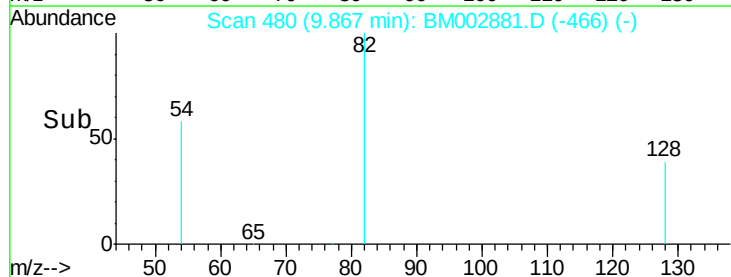
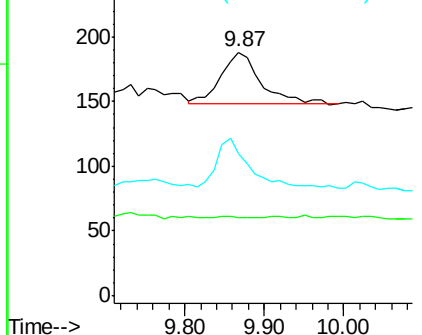


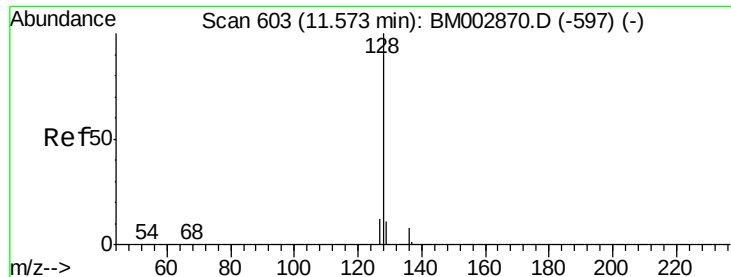
#9
 Nitrobenzene
 Concen: 0.01 ng
 RT: 9.87 min Scan# 480
 Delta R.T. -0.06 min
 Lab File: BM002881.D
 Acq: 09 Oct 2015 10:49

Tgt Ion: 77 Resp: 139
 Ion Ratio Lower Upper
 77 100
 123 0.0 41.0 61.4#
 65 84.9 9.7 14.5#



Abundance Ion 77.00 (76.70 to 77.70): BM002881.D (-466) (-)
 Ion 123.00 (122.70 to 123.70): BM002881.D (-466) (-)
 Ion 65.00 (64.70 to 65.70): BM002881.D (-466) (-)

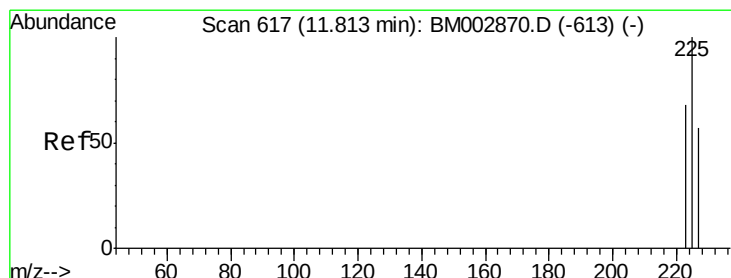
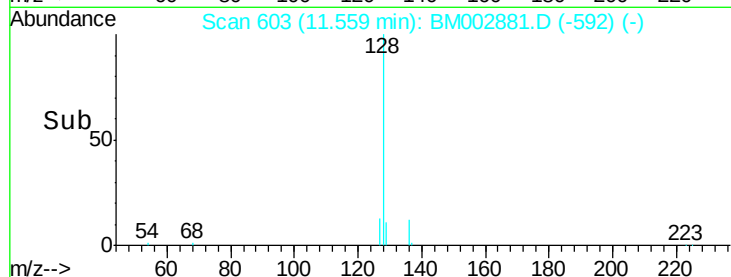
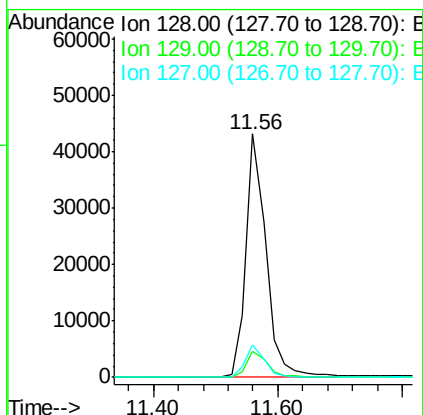
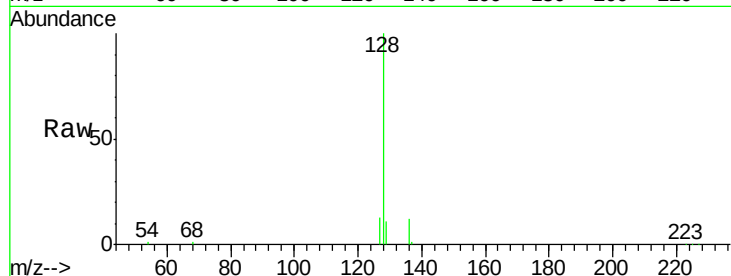




#10
Naphthalene
Concen: 1.26 ng
RT: 11.56 min Scan# 603
Delta R.T. -0.01 min
Lab File: BM002881.D
Acq: 09 Oct 2015 10:49

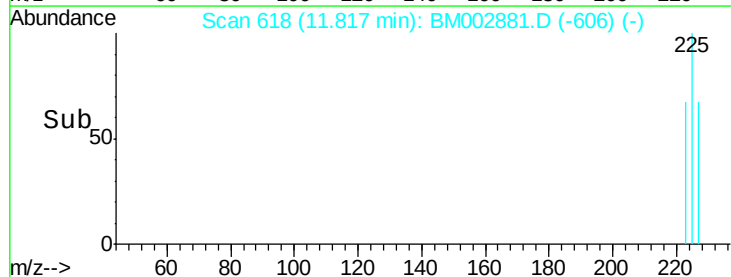
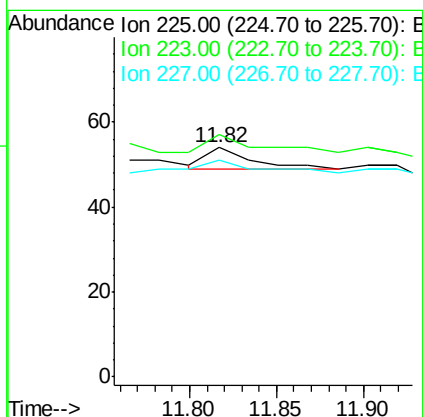
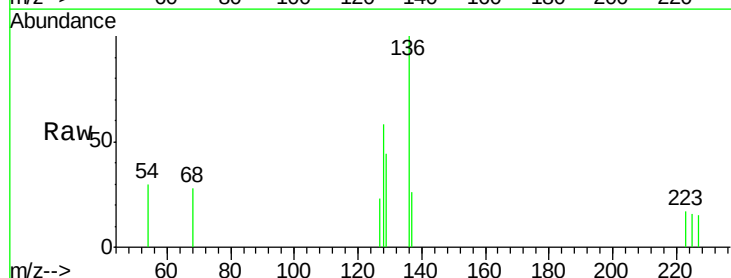
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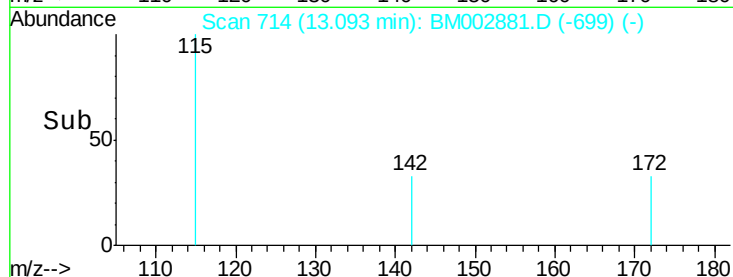
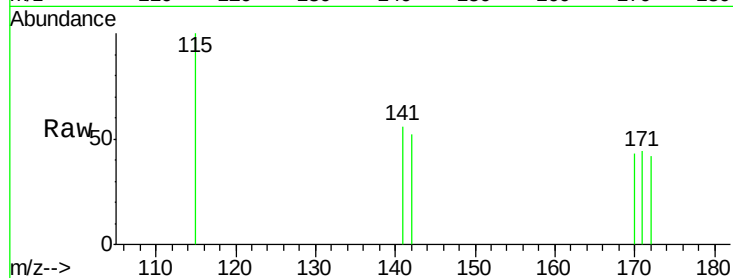
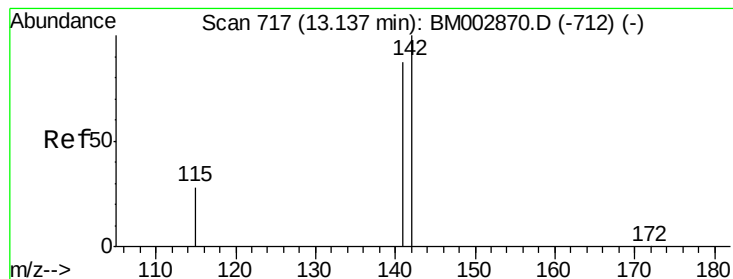
Tgt Ion:128 Resp: 96468
Ion Ratio Lower Upper
128 100
129 10.8 9.4 14.2
127 13.1 9.6 14.4



#11
Hexachlorobutadiene
Concen: 0.00 ng
RT: 11.82 min Scan# 618
Delta R.T. 0.00 min
Lab File: BM002881.D
Acq: 09 Oct 2015 10:49

Tgt Ion:225 Resp: 9
Ion Ratio Lower Upper
225 100
223 88.9 50.1 75.1#
227 177.8 51.2 76.8#





#12

2-Methylnaphthalene

Concen: 0.00 ng

RT: 13.09 min Scan# 714

Delta R.T. -0.04 min

Lab File: BM002881.D

Acq: 09 Oct 2015 10:49

Instrument :

BNA_M

ClientSampleId :

RR-PAH-WPDL

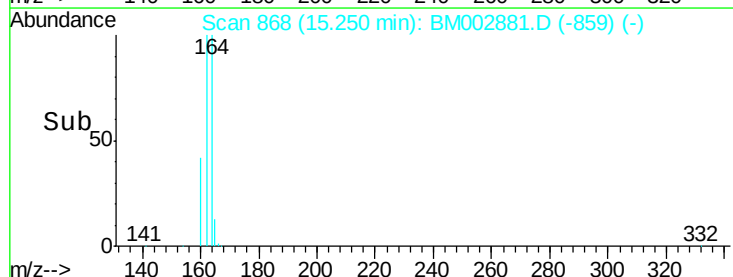
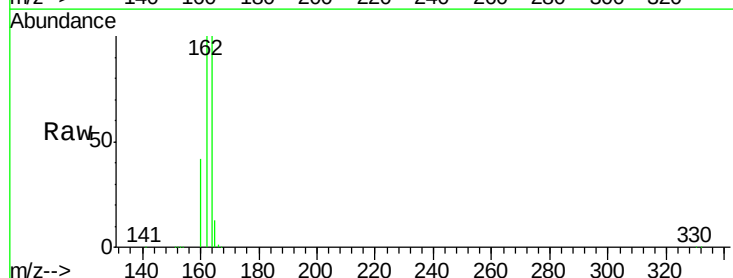
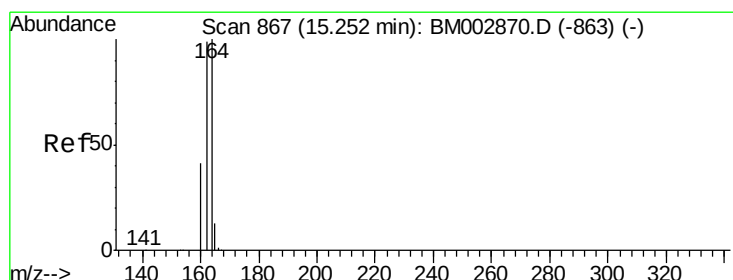
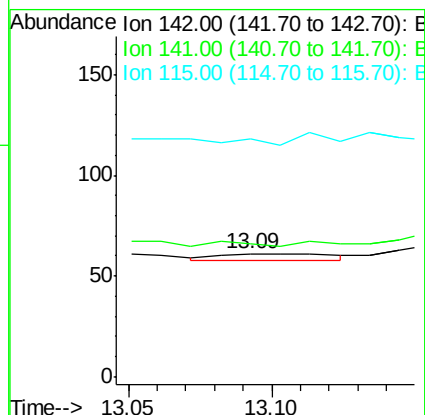
Tgt Ion:142 Resp: 8

Ion Ratio Lower Upper

142 100

141 108.2 69.4 104.0#

115 193.4 22.7 34.1#



#13

Acenaphthene-d10

Concen: 5.00 ng

RT: 15.25 min Scan# 868

Delta R.T. -0.00 min

Lab File: BM002881.D

Acq: 09 Oct 2015 10:49

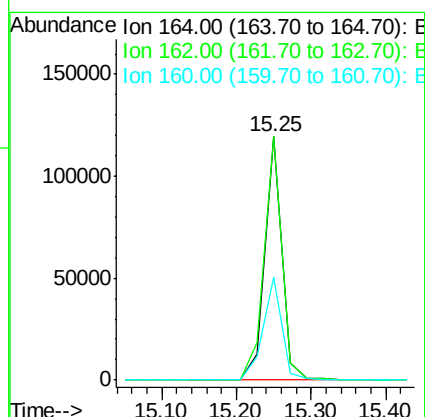
Tgt Ion:164 Resp: 189015

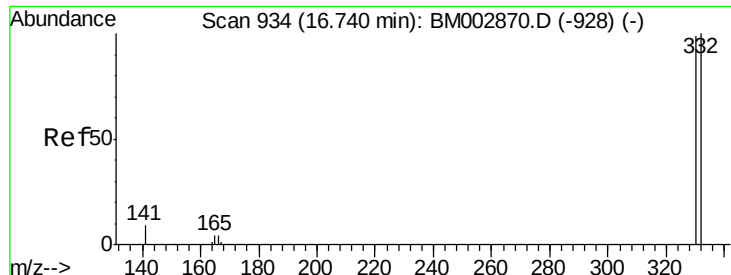
Ion Ratio Lower Upper

164 100

162 100.1 79.6 119.4

160 42.0 33.1 49.7

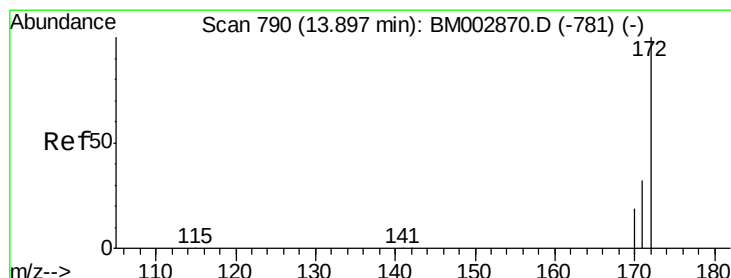
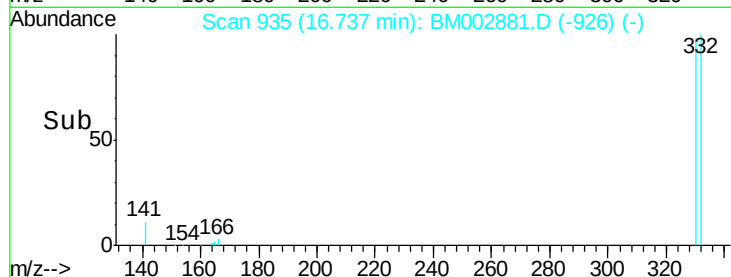
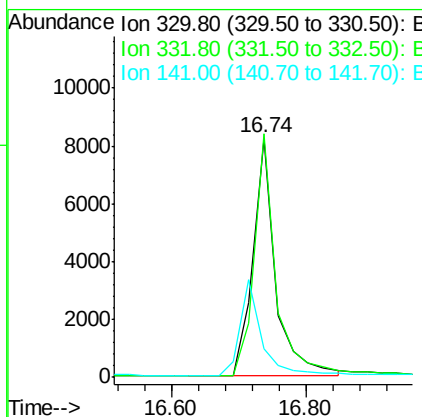
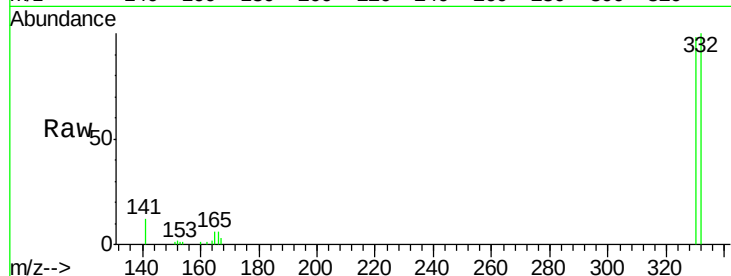




#14
 2,4,6-Tribromophenol
 Concen: 3.12 ng
 RT: 16.74 min Scan# 935
 Delta R.T. -0.00 min
 Lab File: BM002881.D
 Acq: 09 Oct 2015 10:49

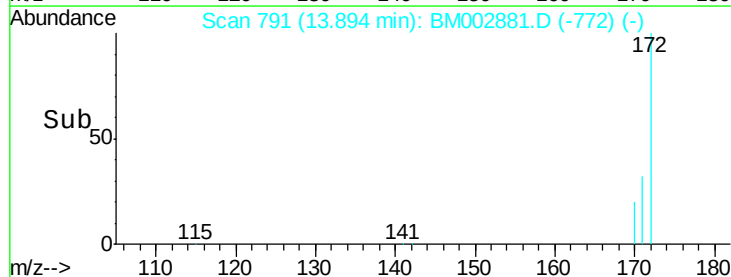
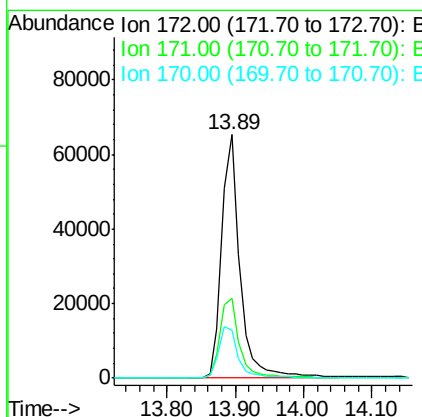
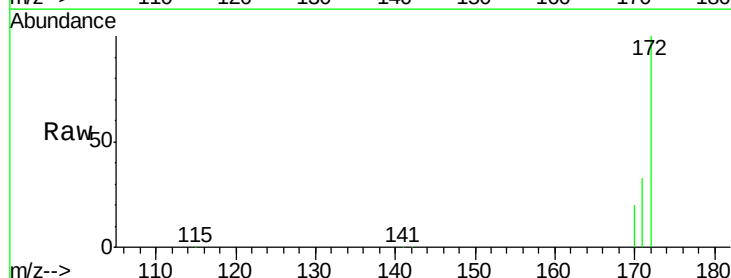
Instrument :
 BNA_M
 ClientSampleId :
 RR-PAH-WPDL

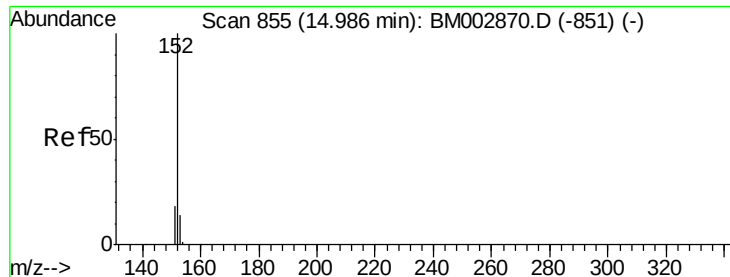
Tgt Ion:330 Resp: 19501
 Ion Ratio Lower Upper
 330 100
 332 97.2 76.6 115.0
 141 0.0 0.0 0.0



#15
 2-Fluorobiphenyl
 Concen: 2.12 ng
 RT: 13.89 min Scan# 791
 Delta R.T. -0.00 min
 Lab File: BM002881.D
 Acq: 09 Oct 2015 10:49

Tgt Ion:172 Resp: 121224
 Ion Ratio Lower Upper
 172 100
 171 32.6 26.1 39.1
 170 19.9 15.7 23.5





#16

Acenaphthylene

Concen: 1.47 ng

RT: 14.98 min Scan# 856

Delta R.T. -0.00 min

Lab File: BM002881.D

Acq: 09 Oct 2015 10:49

Instrument :

BNA_M

ClientSampleId :

RR-PAH-WPDL

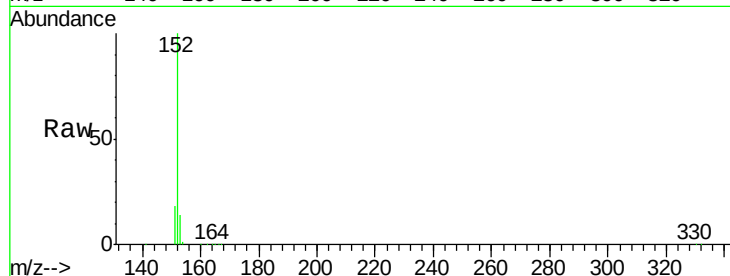
Tgt Ion:152 Resp: 117756

Ion Ratio Lower Upper

152 100

151 19.1 15.3 22.9

153 13.2 10.5 15.7



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E

80000

60000

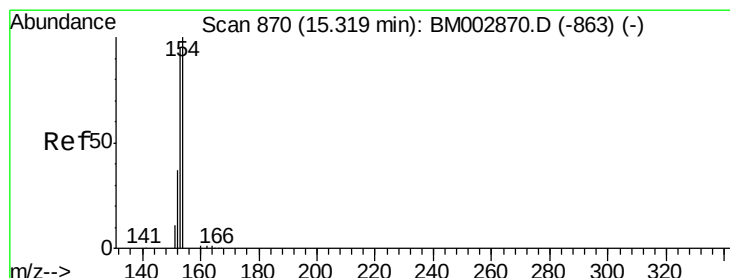
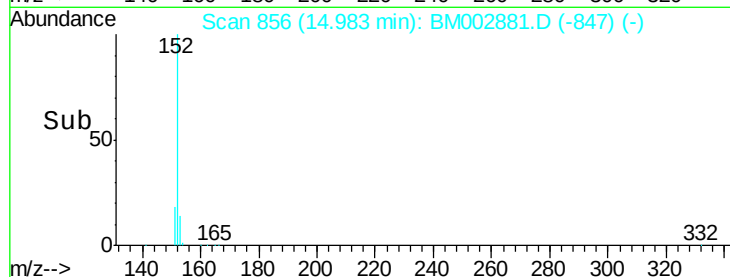
40000

20000

0

14.98

Time-->



#17

Acenaphthene

Concen: 4.85 ng

RT: 15.32 min Scan# 871

Delta R.T. -0.00 min

Lab File: BM002881.D

Acq: 09 Oct 2015 10:49

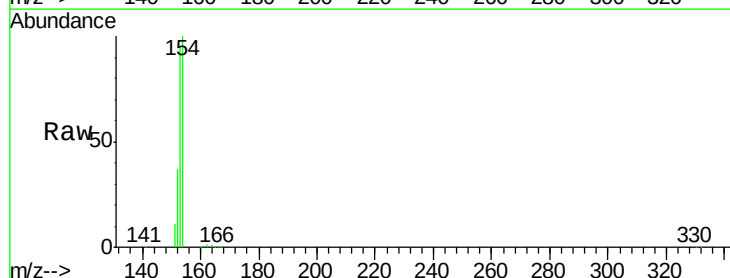
Tgt Ion:154 Resp: 251272

Ion Ratio Lower Upper

154 100

153 0.0 0.0 0.0

152 0.0 0.0 0.0



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

150000

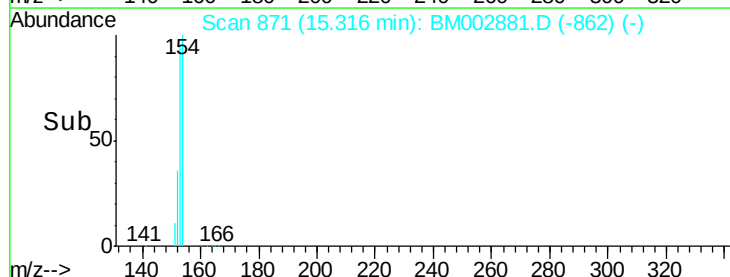
100000

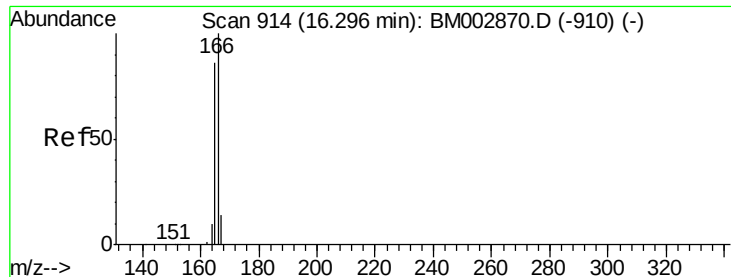
50000

0

15.32

Time-->





#18

Fluorene

Concen: 2.00 ng

RT: 16.29 min Scan# 915

Delta R.T. -0.00 min

Lab File: BM002881.D

Acq: 09 Oct 2015 10:49

Instrument :

BNA_M

ClientSampleId :

RR-PAH-WPDL

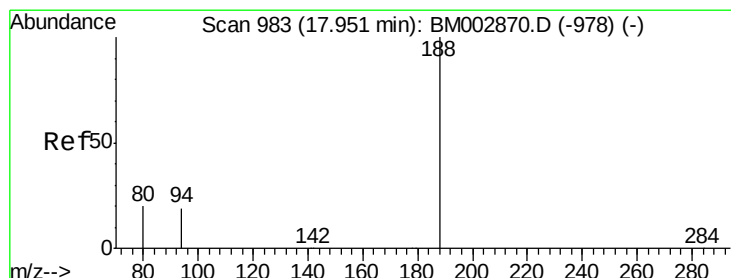
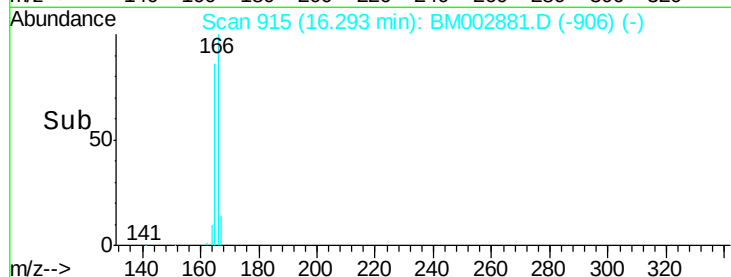
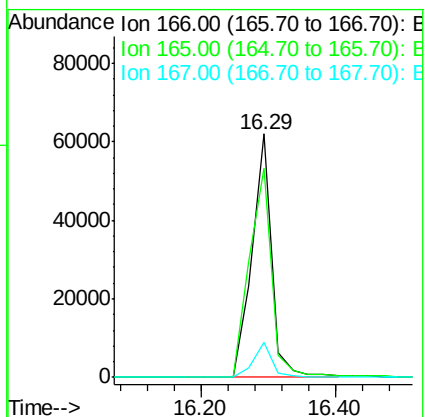
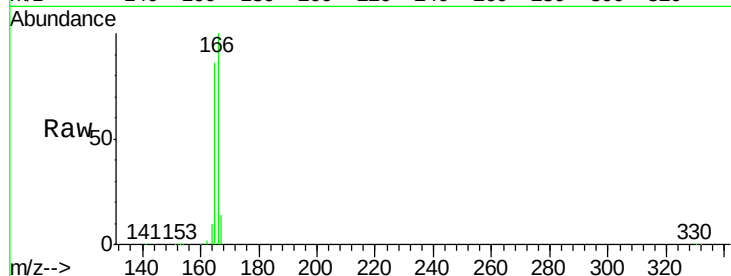
Tgt Ion:166 Resp: 126709

Ion Ratio Lower Upper

166 100

165 96.0 77.3 115.9

167 13.3 10.9 16.3



#19

Phenanthrene-d10

Concen: 5.00 ng

RT: 17.97 min Scan# 985

Delta R.T. 0.02 min

Lab File: BM002881.D

Acq: 09 Oct 2015 10:49

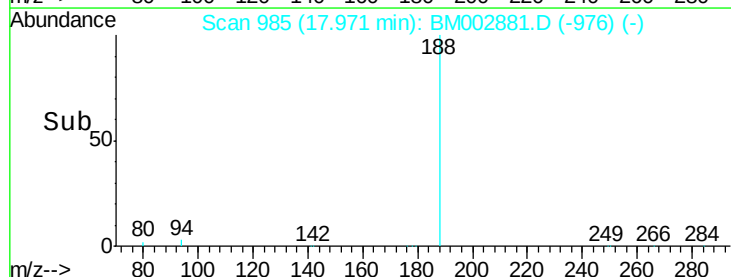
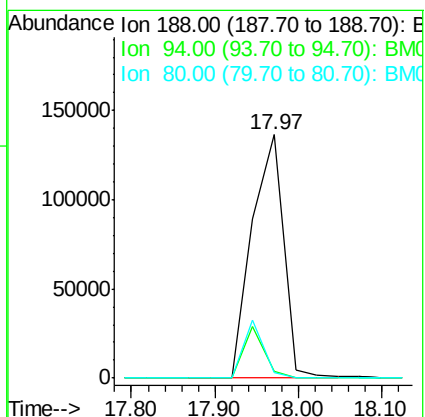
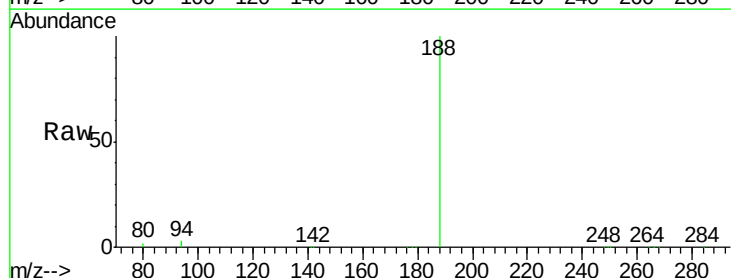
Tgt Ion:188 Resp: 356909

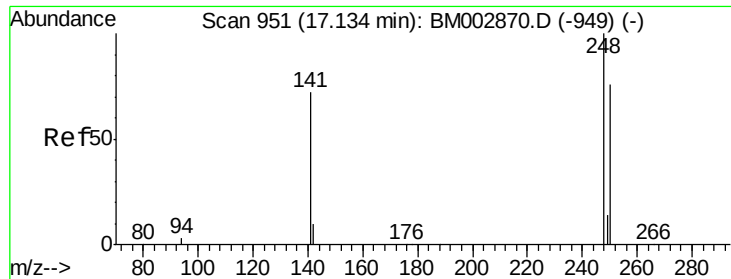
Ion Ratio Lower Upper

188 100

94 2.7 15.2 22.8#

80 2.2 15.9 23.9#

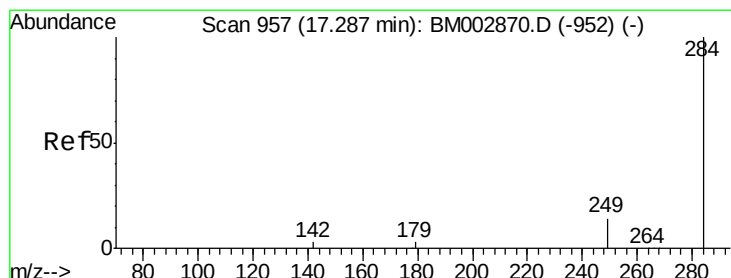
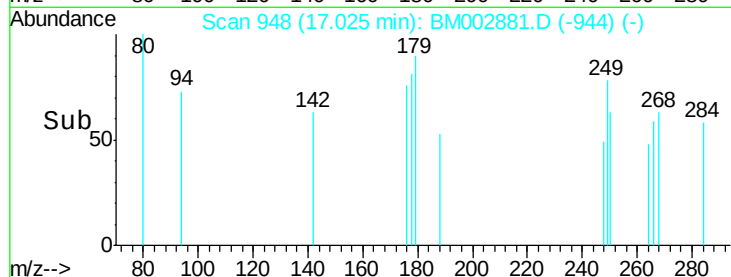
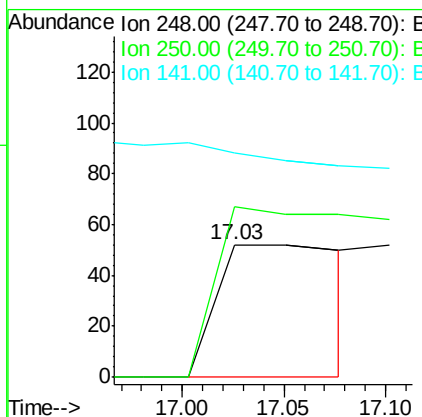
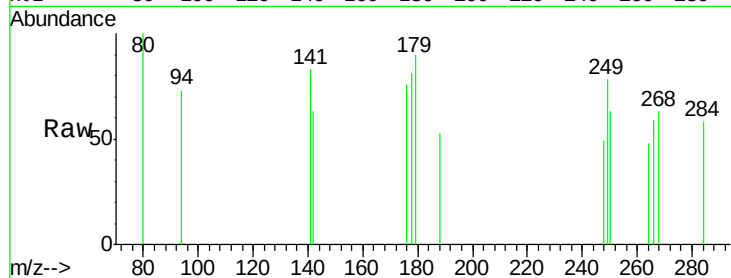




#20
4-Bromophenyl-phenylether
Concen: 0.01 ng
RT: 17.03 min Scan# 948
Delta R.T. -0.11 min
Lab File: BM002881.D
Acq: 09 Oct 2015 10:49

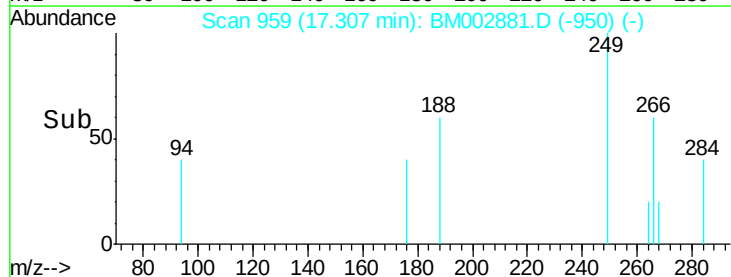
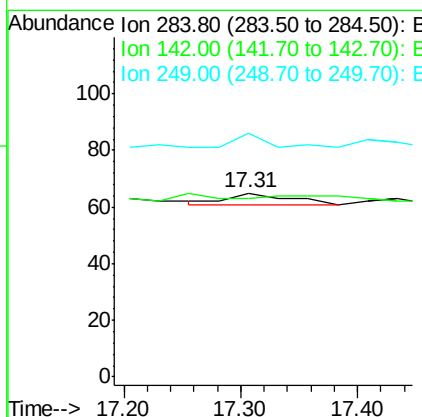
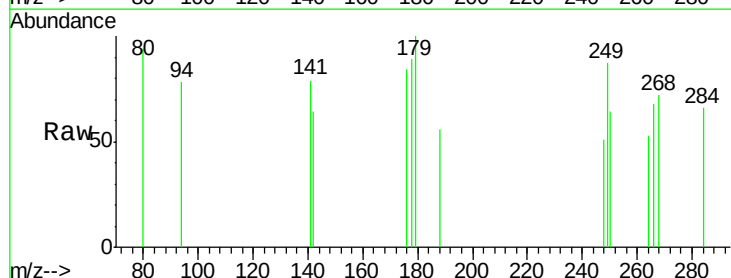
Instrument :
BNA_M
ClientSampleId :
RR-PAH-WPDL

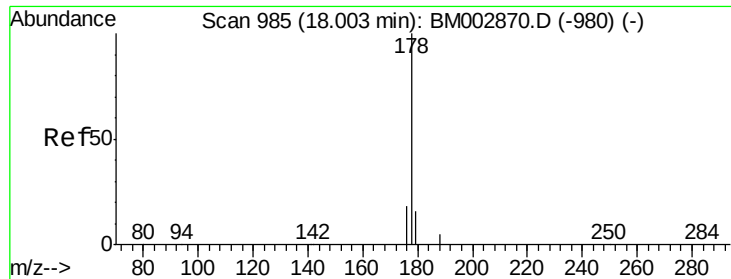
Tgt Ion: 248 Resp: 226
Ion Ratio Lower Upper
248 100
250 168.6 71.4 107.2#
141 0.0 54.6 82.0#



#21
Hexachlorobenzene
Concen: 0.00 ng
RT: 17.31 min Scan# 959
Delta R.T. 0.02 min
Lab File: BM002881.D
Acq: 09 Oct 2015 10:49

Tgt Ion: 284 Resp: 14
Ion Ratio Lower Upper
284 100
142 0.0 0.0 0.0
249 64.3 20.7 31.1#

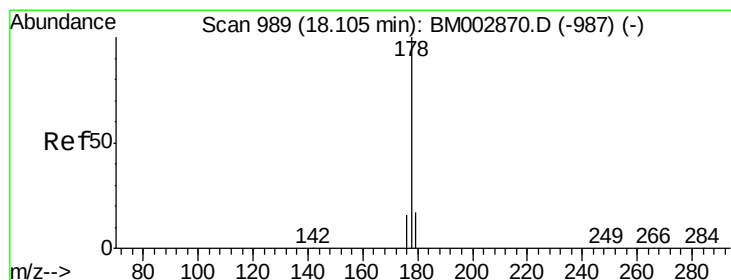
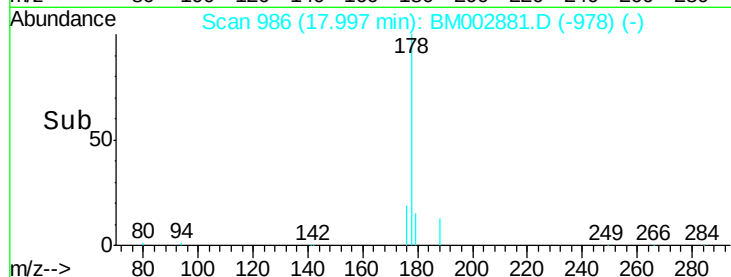
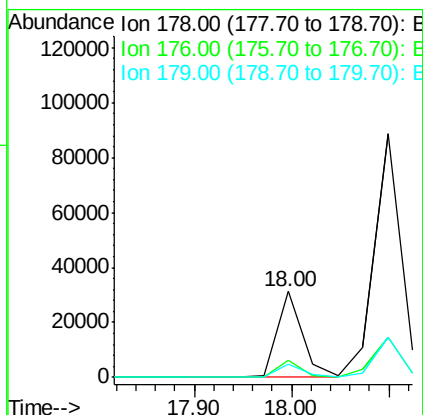
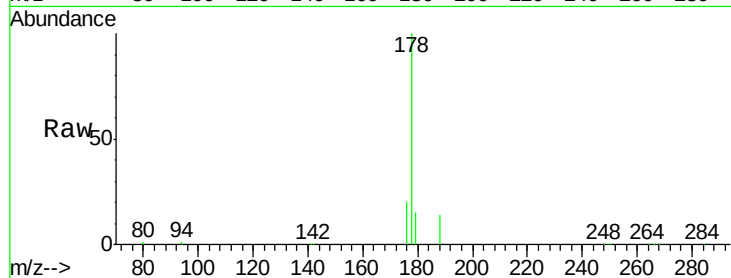




#23
Phenanthrene
Concen: 0.54 ng
RT: 18.00 min Scan# 986
Delta R.T. -0.01 min
Lab File: BM002881.D
Acq: 09 Oct 2015 10:49

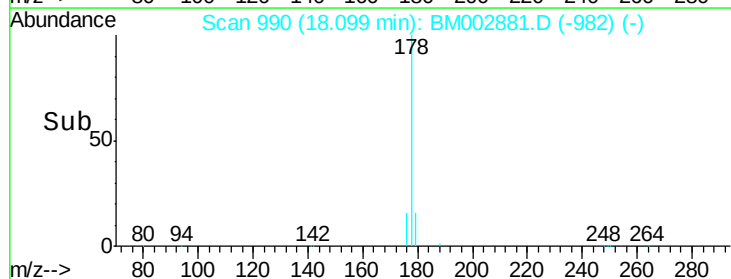
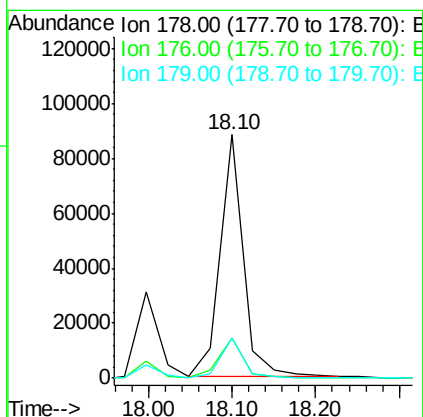
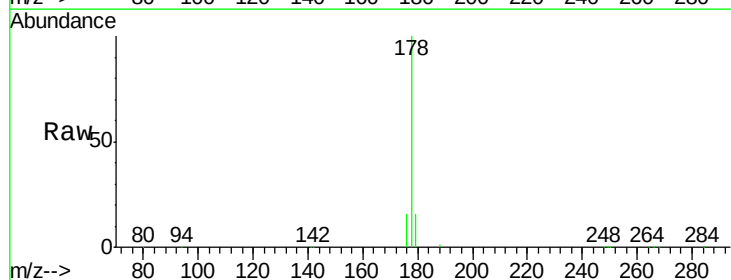
Instrument :
BNA_M
ClientSampleId :
RR-PAH-WPDL

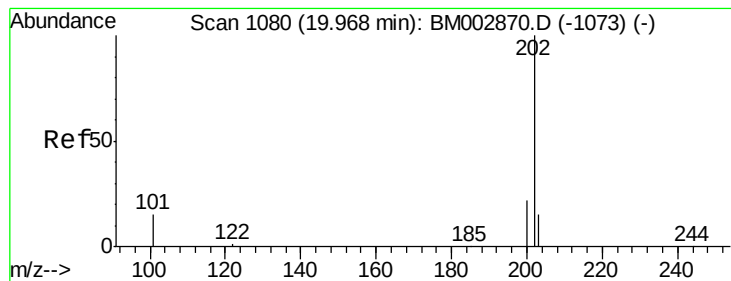
Tgt Ion:178 Resp: 56292
Ion Ratio Lower Upper
178 100
176 18.8 14.6 21.8
179 15.5 12.5 18.7



#24
Anthracene
Concen: 1.94 ng
RT: 18.10 min Scan# 990
Delta R.T. -0.01 min
Lab File: BM002881.D
Acq: 09 Oct 2015 10:49

Tgt Ion:178 Resp: 171380
Ion Ratio Lower Upper
178 100
176 17.3 13.9 20.9
179 15.8 12.6 18.8





#25

Fluoranthene

Concen: 1.65 ng

RT: 19.98 min Scan# 1082

Delta R.T. 0.01 min

Lab File: BM002881.D

Acq: 09 Oct 2015 10:49

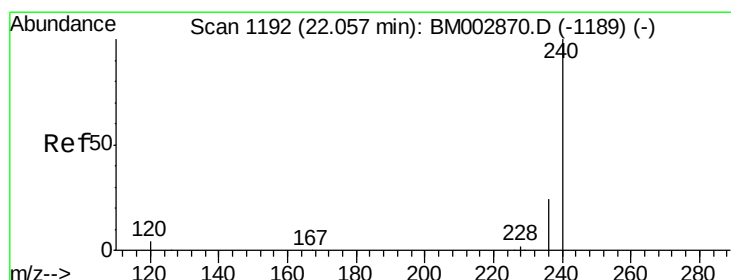
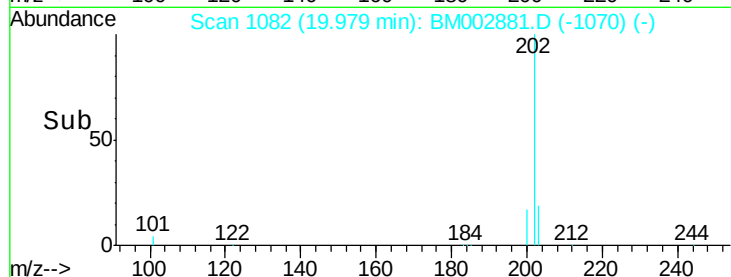
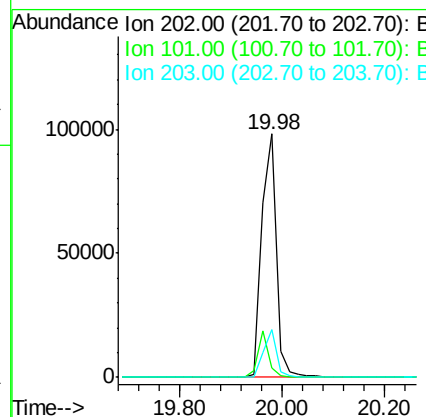
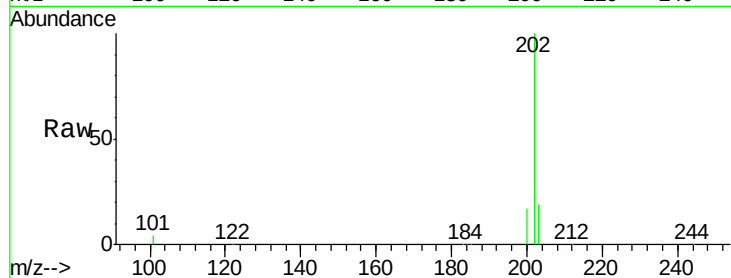
Instrument :

BNA_M

ClientSampleId :

RR-PAH-WPDL

Tgt Ion:	202	Resp:	190375
Ion	Ratio	Lower	Upper
202	100		
101	14.1	11.0	16.6
203	17.4	13.8	20.6



#26

Chrysene-d12

Concen: 5.00 ng

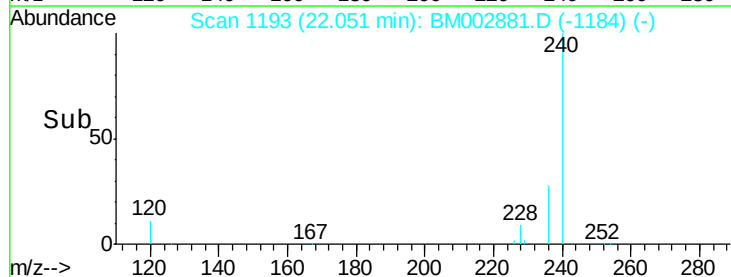
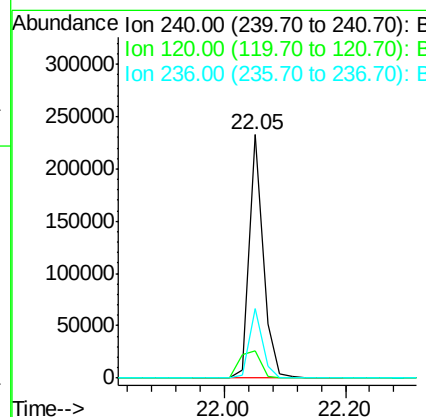
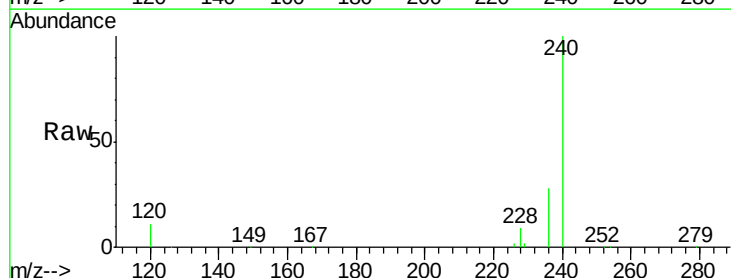
RT: 22.05 min Scan# 1193

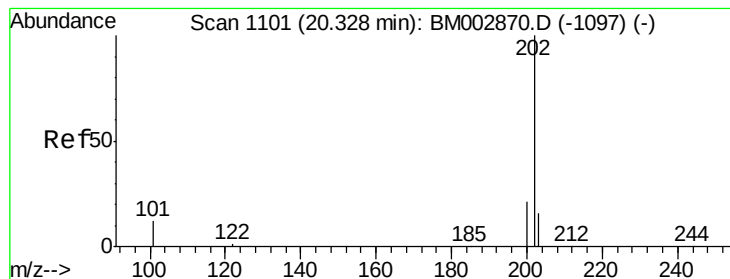
Delta R.T. -0.01 min

Lab File: BM002881.D

Acq: 09 Oct 2015 10:49

Tgt Ion:	240	Resp:	366609
Ion	Ratio	Lower	Upper
240	100		
120	11.3	3.3	4.9#
236	28.4	19.5	29.3





#28

Pyrene

Concen: 0.94 ng

RT: 20.34 min Scan# 1103

Delta R.T. 0.01 min

Lab File: BM002881.D

Acq: 09 Oct 2015 10:49

Instrument :

BNA_M

ClientSampleId :

RR-PAH-WPDL

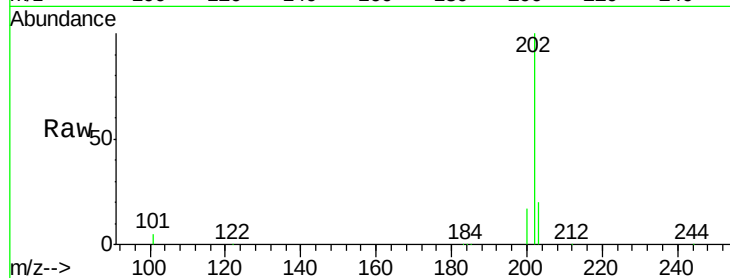
Tgt Ion:202 Resp: 92682

Ion Ratio Lower Upper

202 100

200 20.3 16.2 24.4

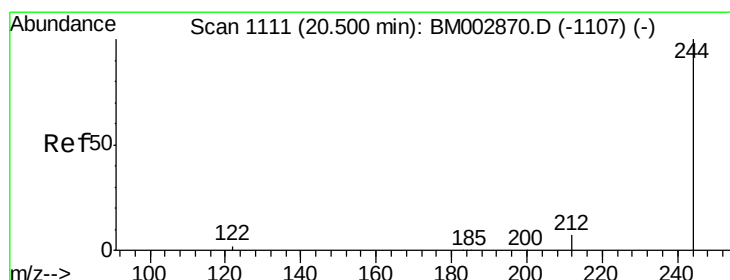
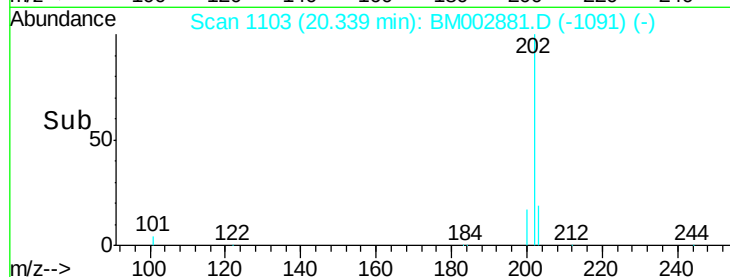
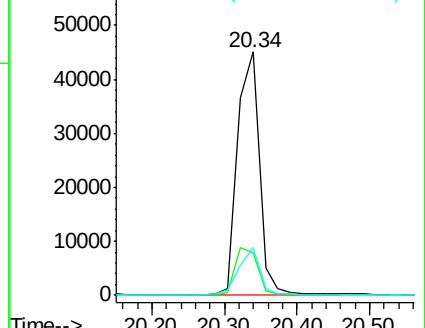
203 18.6 13.8 20.8



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: 2.41 ng

RT: 20.49 min Scan# 1112

Delta R.T. -0.01 min

Lab File: BM002881.D

Acq: 09 Oct 2015 10:49

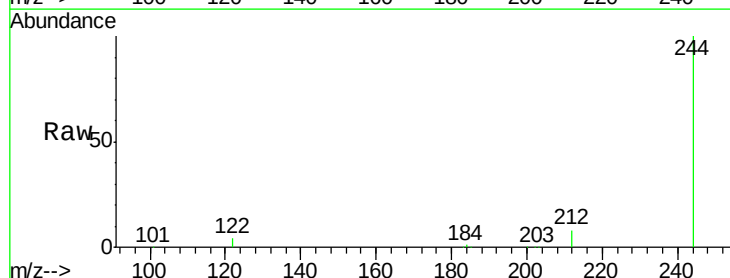
Tgt Ion:244 Resp: 117811

Ion Ratio Lower Upper

244 100

212 7.6 5.6 8.4

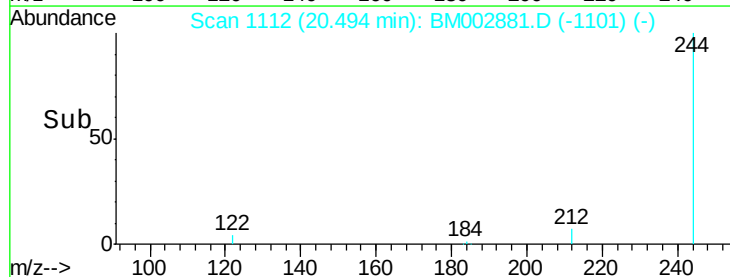
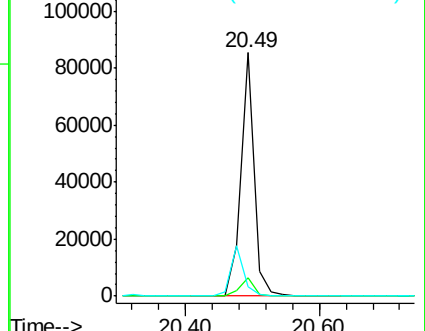
122 3.9 2.2 3.2#

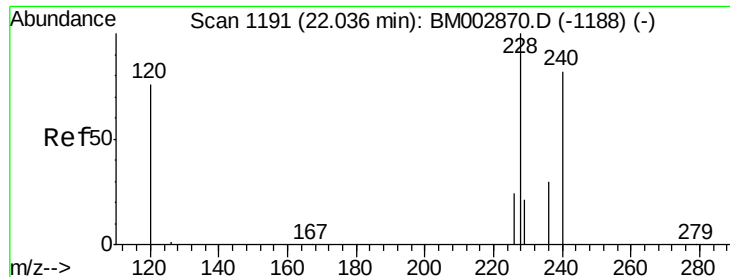


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#30

Benzo(a)anthracene

Concen: 1.56 ng

RT: 22.03 min Scan# 1192

Delta R.T. -0.01 min

Lab File: BM002881.D

Acq: 09 Oct 2015 10:49

Instrument :

BNA_M

ClientSampleId :

RR-PAH-WPDL

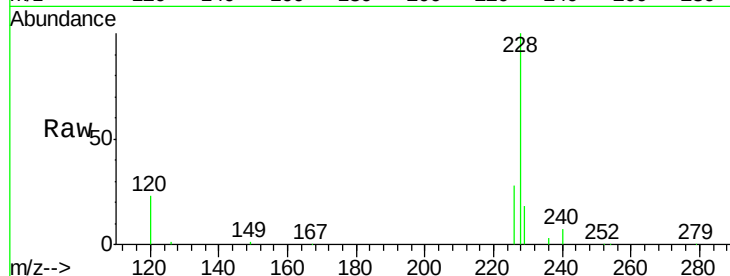
Tgt Ion:228 Resp: 164562

Ion Ratio Lower Upper

228 100

226 27.5 19.0 28.6

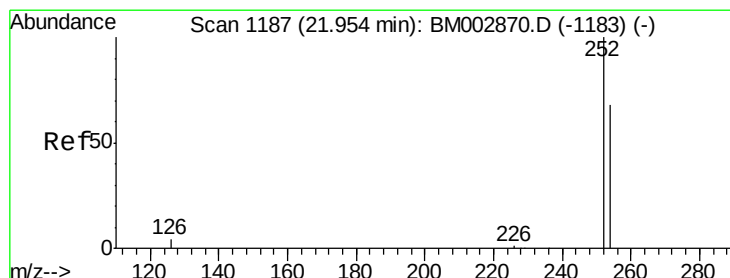
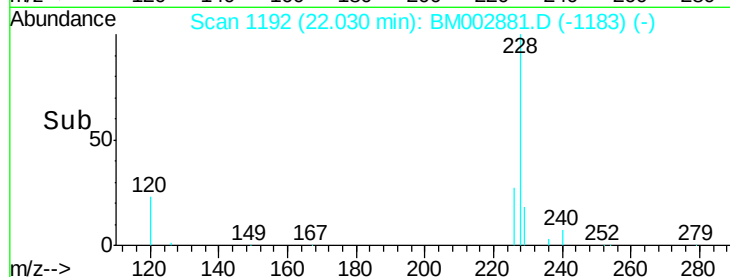
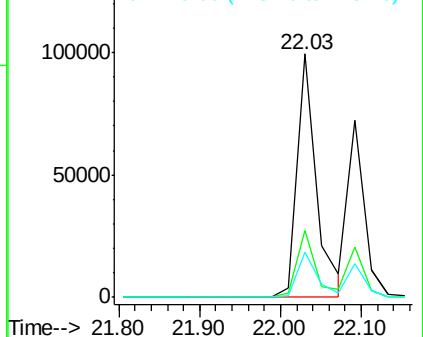
229 18.5 16.8 25.2



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: 0.01 ng

RT: 21.97 min Scan# 1189

Delta R.T. 0.01 min

Lab File: BM002881.D

Acq: 09 Oct 2015 10:49

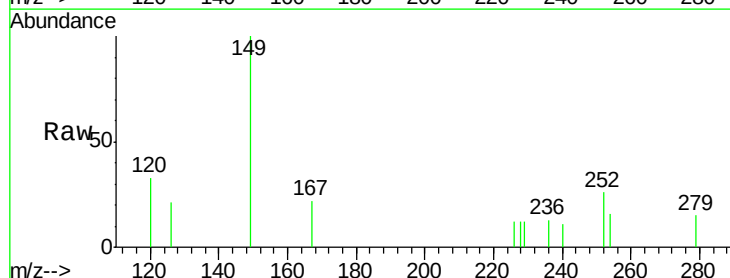
Tgt Ion:252 Resp: 220

Ion Ratio Lower Upper

252 100

254 62.0 54.1 81.1

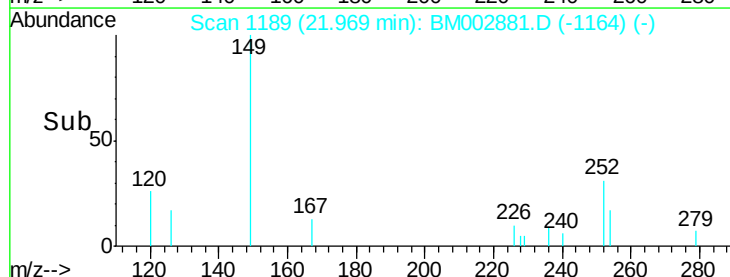
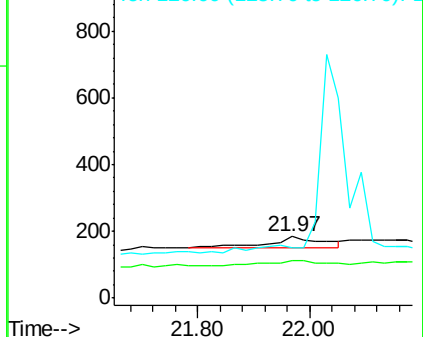
126 82.6 4.1 6.1#

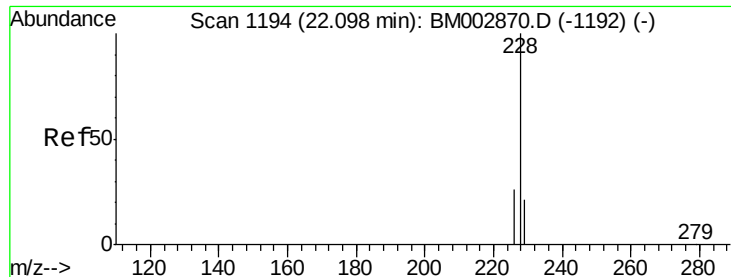


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 254.00 (253.70 to 254.70): E

Ion 126.00 (125.70 to 126.70): E





#32

Chrysene

Concen: 1.06 ng

RT: 22.09 min Scan# 1195

Delta R.T. -0.01 min

Lab File: BM002881.D

Acq: 09 Oct 2015 10:49

Instrument :

BNA_M

ClientSampleId :

RR-PAH-WPDL

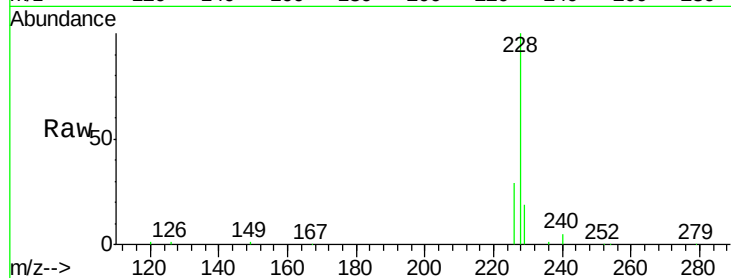
Tgt Ion: 228 Resp: 104331

Ion Ratio Lower Upper

228 100

226 28.8 20.6 30.8

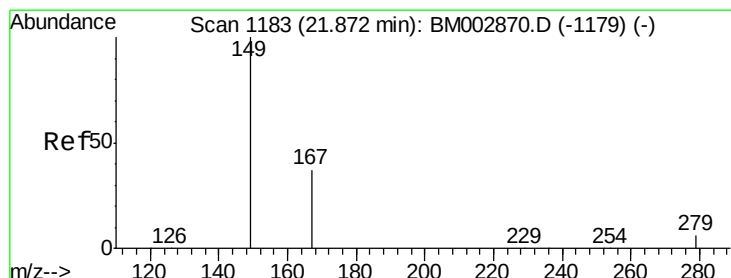
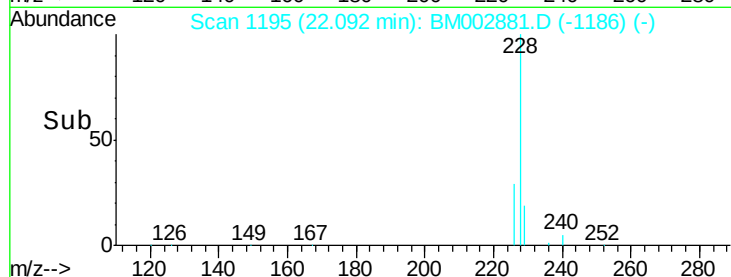
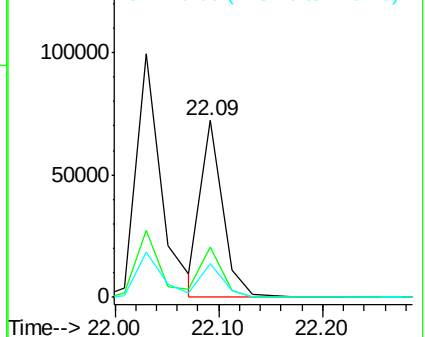
229 19.2 17.4 26.2



Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#33

Bis(2-ethylhexyl)phthalate

Concen: 0.01 ng

RT: 21.87 min Scan# 1184

Delta R.T. -0.01 min

Lab File: BM002881.D

Acq: 09 Oct 2015 10:49

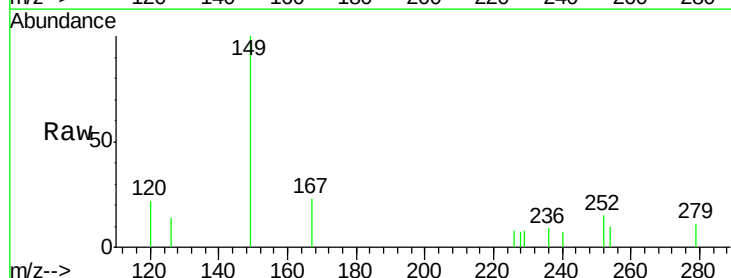
Tgt Ion: 149 Resp: 634

Ion Ratio Lower Upper

149 100

167 30.0 17.2 25.8#

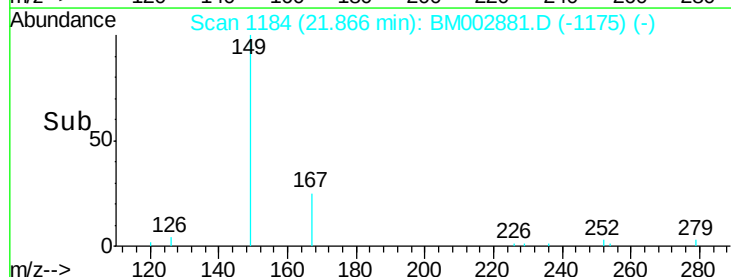
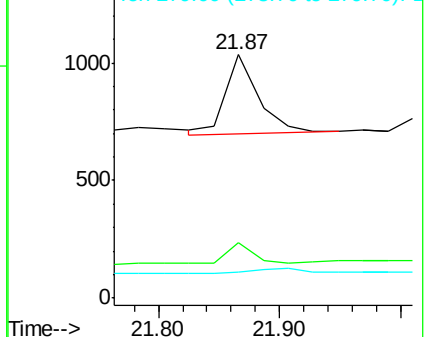
279 0.0 2.2 3.4#

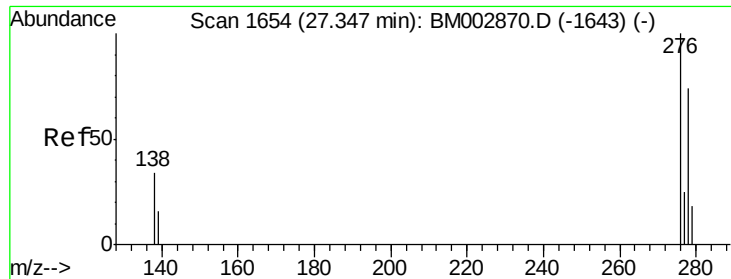


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E

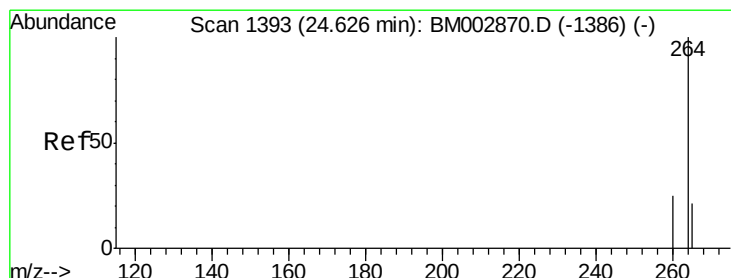
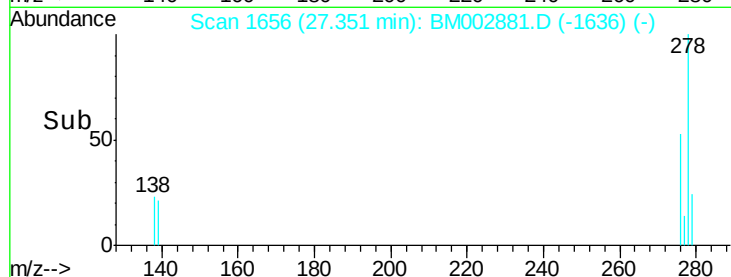
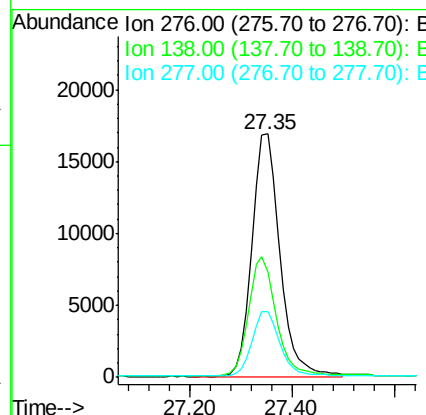
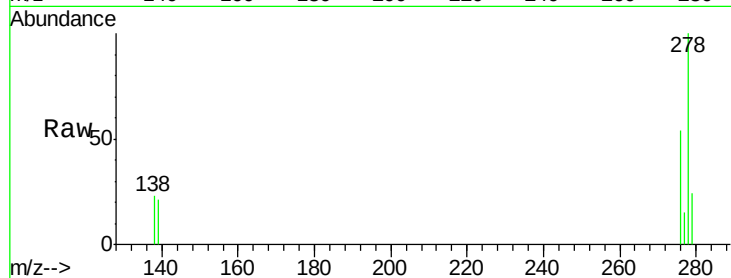




#34
 Indeno(1,2,3-cd)pyrene
 Concen: 0.54 ng
 RT: 27.35 min Scan# 1656
 Delta R.T. 0.00 min
 Lab File: BM002881.D
 Acq: 09 Oct 2015 10:49

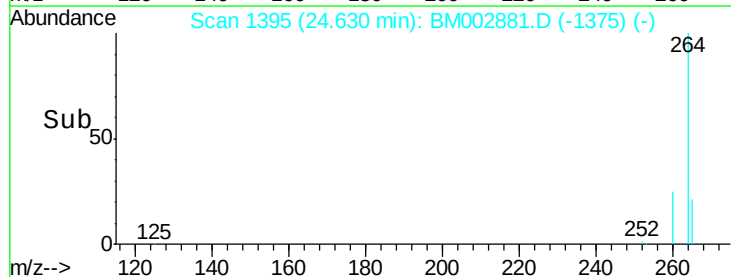
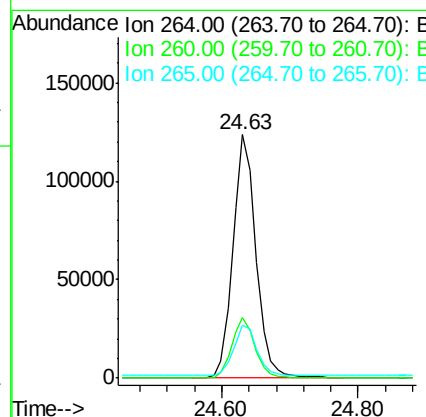
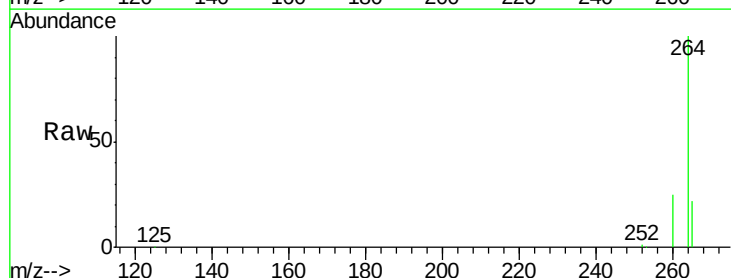
Instrument :
 BNA_M
 ClientSampleId :
 RR-PAH-WPDL

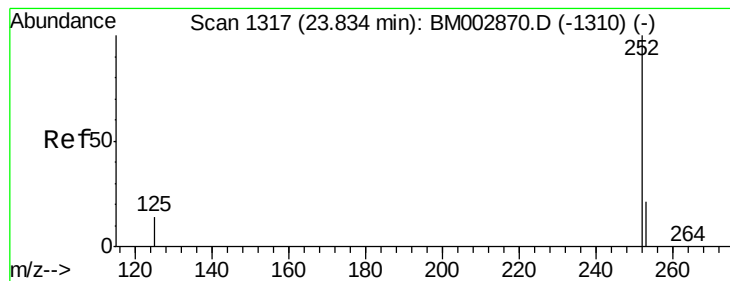
Tgt Ion: 276 Resp: 63851
 Ion Ratio Lower Upper
 276 100
 138 48.2 29.0 43.6#
 277 26.8 19.8 29.8



#35
 Perylene-d12
 Concen: 5.00 ng
 RT: 24.63 min Scan# 1395
 Delta R.T. 0.00 min
 Lab File: BM002881.D
 Acq: 09 Oct 2015 10:49

Tgt Ion: 264 Resp: 289435
 Ion Ratio Lower Upper
 264 100
 260 25.0 20.1 30.1
 265 21.8 17.6 26.4





#36

Benzo(b)fluoranthene

Concen: 1.36 ng

RT: 23.84 min Scan# 1319

Delta R.T. 0.00 min

Lab File: BM002881.D

Acq: 09 Oct 2015 10:49

Instrument :

BNA_M

ClientSampleId :

RR-PAH-WPDL

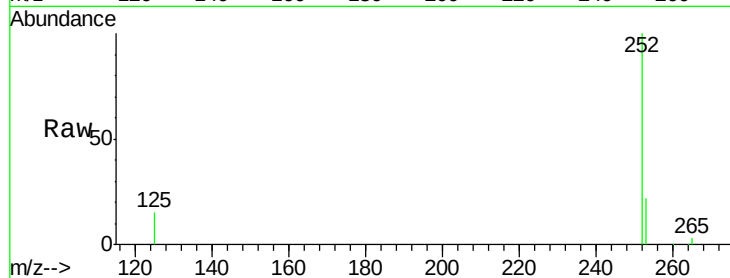
Tgt Ion:252 Resp: 112802

Ion Ratio Lower Upper

252 100

253 22.2 17.5 26.3

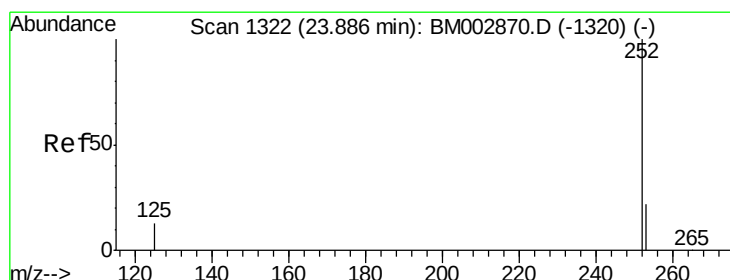
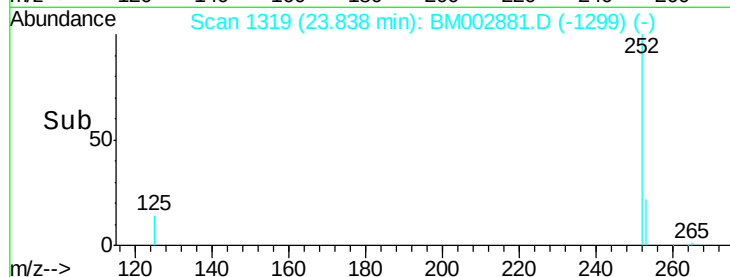
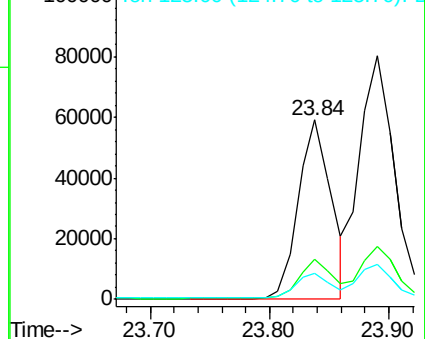
125 14.6 12.4 18.6



Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#37

Benzo(k)fluoranthene

Concen: 2.05 ng

RT: 23.89 min Scan# 1324

Delta R.T. 0.00 min

Lab File: BM002881.D

Acq: 09 Oct 2015 10:49

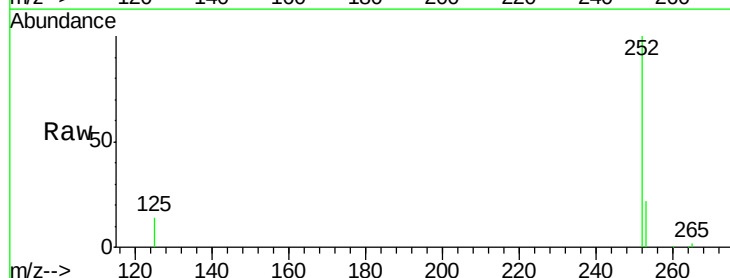
Tgt Ion:252 Resp: 164163

Ion Ratio Lower Upper

252 100

253 22.0 17.9 26.9

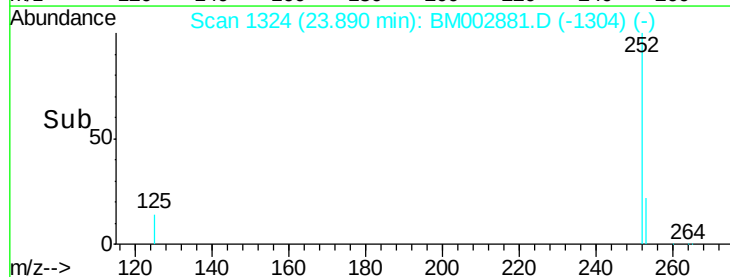
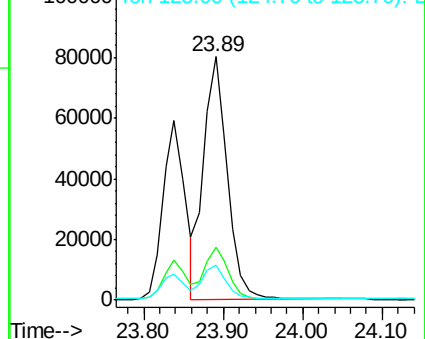
125 14.4 12.3 18.5

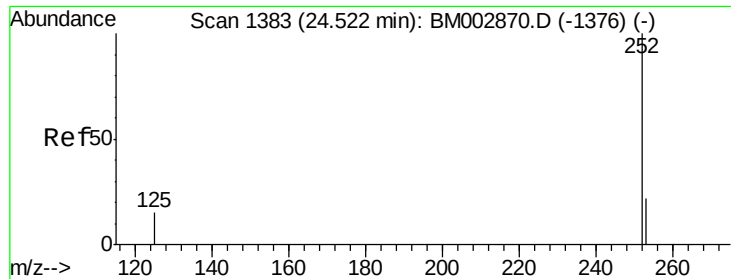


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#38

Benzo(a)pyrene

Concen: 1.59 ng

RT: 24.53 min Scan# 1385

Delta R.T. 0.00 min

Lab File: BM002881.D

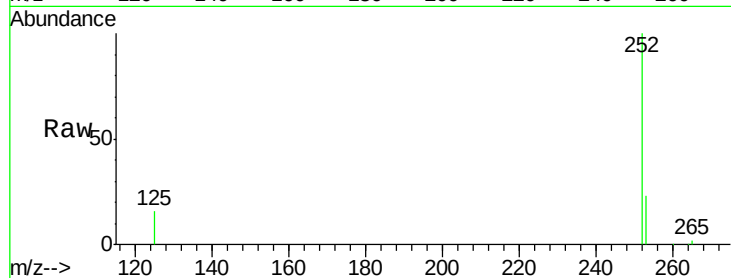
Acq: 09 Oct 2015 10:49

Instrument :

BNA_M

ClientSampleId :

RR-PAH-WPDL



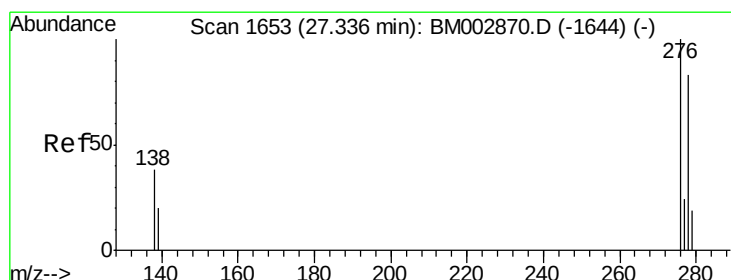
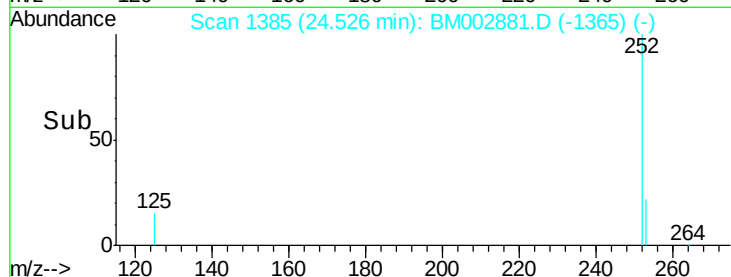
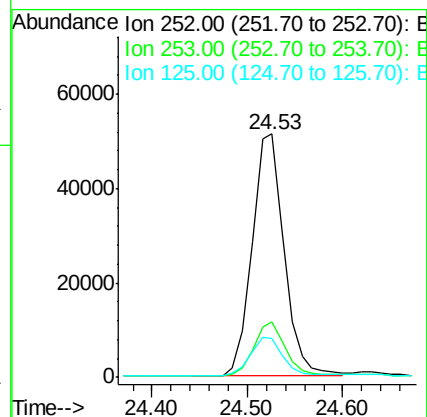
Tgt Ion: 252 Resp: 120810

Ion Ratio Lower Upper

252 100

253 22.6 18.4 27.6

125 15.7 13.3 19.9



#39

Dibenzo(a,h)anthracene

Concen: 1.68 ng

RT: 27.34 min Scan# 1655

Delta R.T. 0.00 min

Lab File: BM002881.D

Acq: 09 Oct 2015 10:49

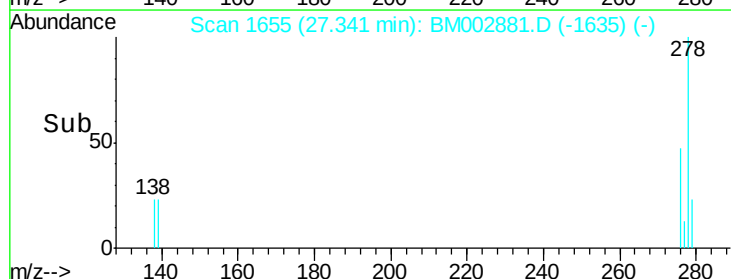
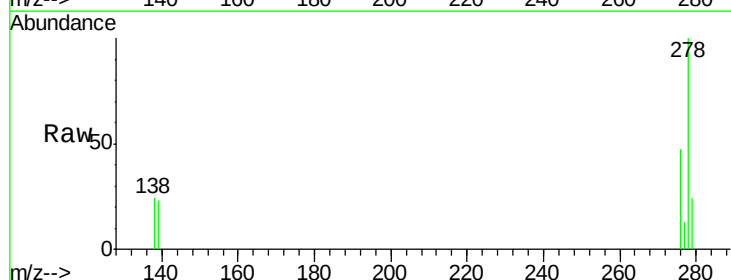
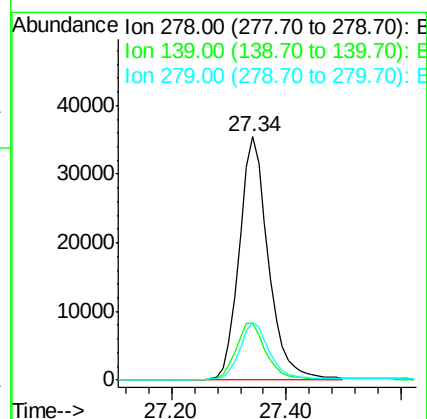
Tgt Ion: 278 Resp: 124601

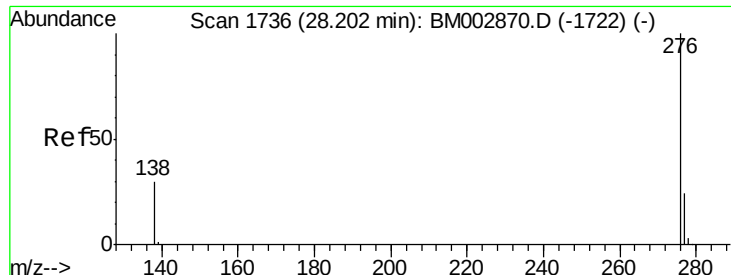
Ion Ratio Lower Upper

278 100

139 23.3 19.8 29.6

279 23.8 19.1 28.7





#40

Benzo(g,h,i)perylene

Concen: 0.35 ng

RT: 28.22 min Scan# 1739

Delta R.T. 0.01 min

Lab File: BM002881.D

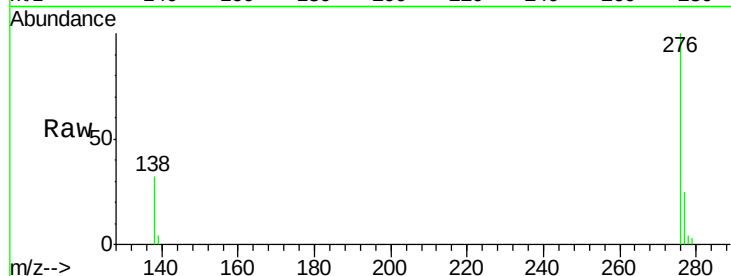
Acq: 09 Oct 2015 10:49

Instrument :

BNA_M

ClientSampleId :

RR-PAH-WPDL



Tgt Ion: 276 Resp: 26513

Ion Ratio Lower Upper

276 100

277 24.7 19.4 29.0

138 32.0 24.4 36.6

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

