

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM051615\
 Data File : BM001295.D
 Acq On : 14 May 2015 17:12
 Operator : TP/IZ
 Sample : G2210-01
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 050715-P17-E-D-B

Quant Time: May 15 05:31:03 2015
 Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SIMPAH-BM051315.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri May 15 05:14:53 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.45	152	14745	5.00	ng	0.00
6) Naphthalene-d8	10.22	136	52327	5.00	ng	0.00
12) Acenaphthene-d10	14.12	164	27794	5.00	ng	0.00
18) Phenanthrene-d10	16.85	188	68245	5.00	ng	0.00
24) Chrysene-d12	21.08	240	49786	5.00	ng	0.00
30) Perylene-d12	23.19	264	49171	5.00	ng	0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) 2-Fluorophenol	5.02	112	11727	4.08	ng	-0.02
5) Phenol-d6	6.63	99	8293	2.56	ng	0.00
7) Nitrobenzene-d5	8.60	82	21039	6.34	ng	0.00
13) 2,4,6-Tribromophenol	15.63	330	9347	9.80	ng	0.00
14) 2-Fluorobiphenyl	12.73	172	68447	7.93	ng	0.00
26) Terphenyl-d14	19.51	244	55309	8.27	ng	0.00

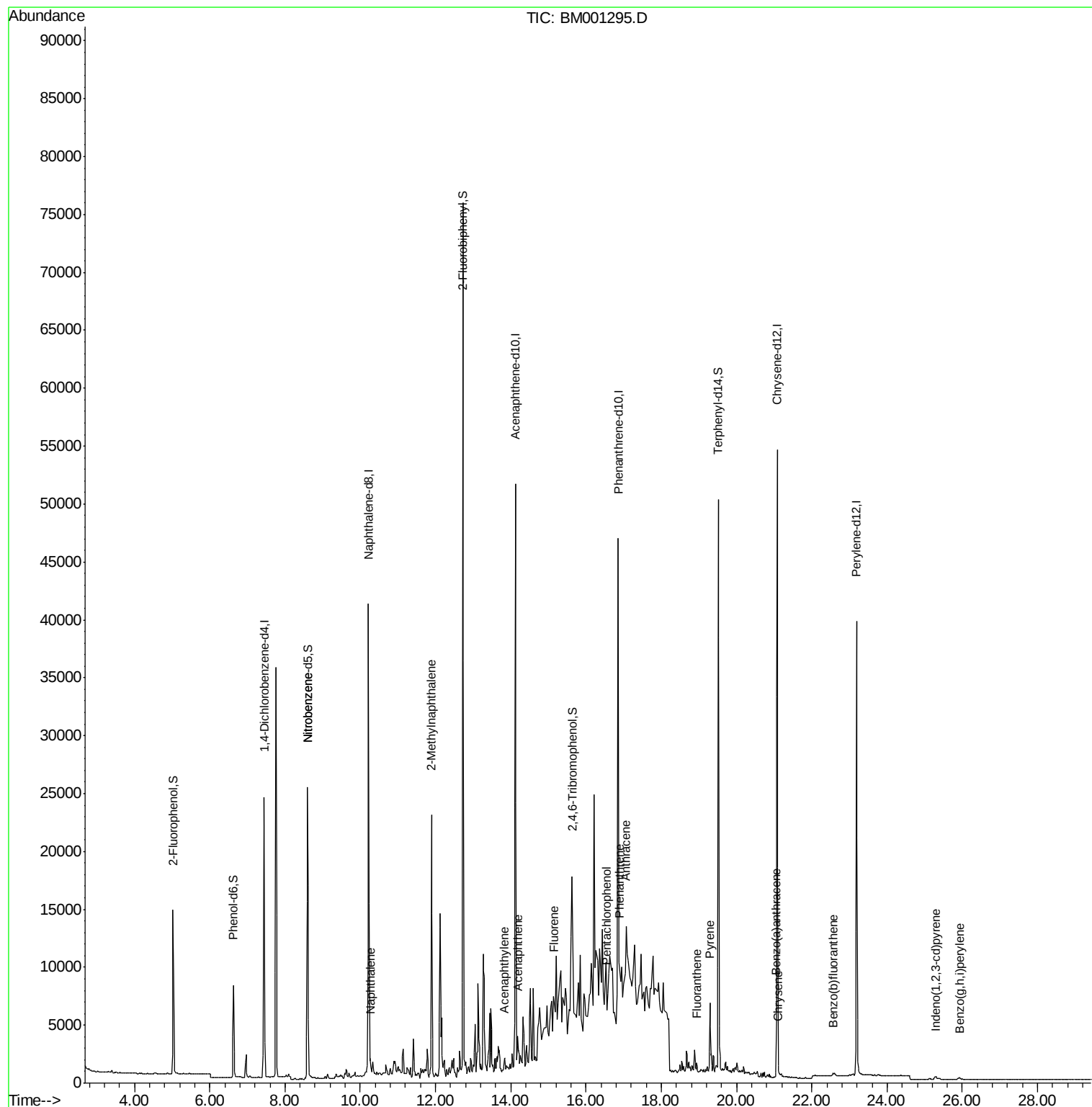
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
8) Nitrobenzene	8.60	77	97	0.16	ng	# 26
9) Naphthalene	10.27	128	1638	0.15	ng	# 61
11) 2-Methylnaphthalene	11.90	142	15941	2.20	ng	96
15) Acenaphthylene	13.83	152	795	0.07	ng	# 1
16) Acenaphthene	14.18	154	1444	0.20	ng	# 67
17) Fluorene	15.14	166	7424	1.12	ng	# 14
20) Pentachlorophenol	16.55	266	44	0.44	ng	# 72
21) Phenanthrene	16.88	178	8756	0.84	ng	# 97
22) Anthracene	17.07	178	9136	0.90	ng	# 84
23) Fluoranthene	18.93	202	734	0.05	ng	# 59
25) Pyrene	19.30	202	6532	0.42	ng	# 83
27) Benzo(a)anthracene	21.06	228	538	0.04	ng	# 28
28) Chrysene	21.11	228	387	0.03	ng	# 55
29) Indeno(1,2,3-cd)pyrene	25.28	276	315	0.02	ng	99
31) Benzo(b)fluoranthene	22.56	252	350	0.02	ng	# 1
35) Benzo(g,h,i)perylene	25.92	276	263	0.02	ng	# 37

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

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#1

1,4-Dichlorobenzene-d4

Concen: 5.00 ng

RT: 7.45 min Scan# 309

Delta R.T. 0.00 min

Lab File: BM001295.D

Acq: 14 May 2015 17:12

Instrument :

BNA_M

ClientSampleId :

050715-P17-E-D-B

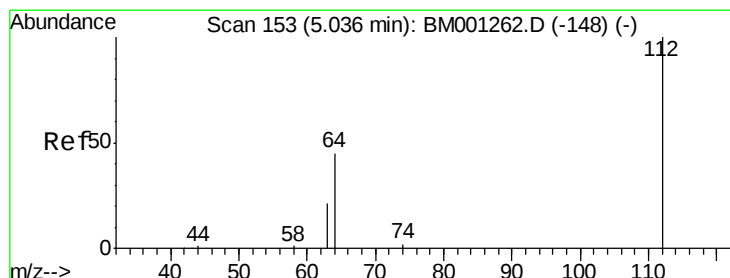
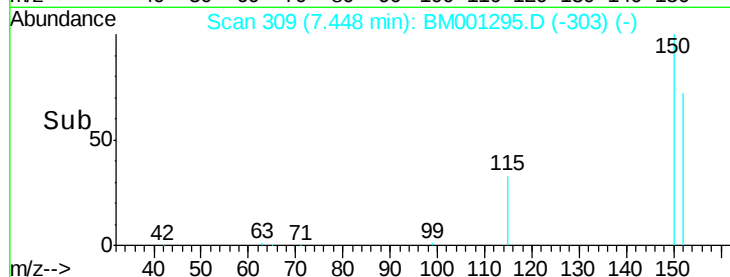
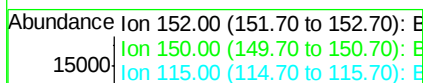
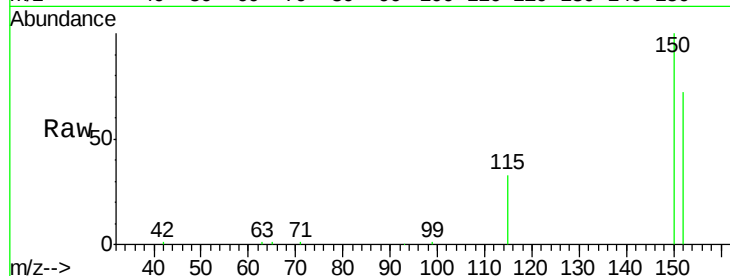
Tgt Ion:152 Resp: 14745

Ion Ratio Lower Upper

152 100

150 138.2 114.6 172.0

115 45.7 39.3 58.9



#4

2-Fluorophenol

Concen: 4.08 ng

RT: 5.02 min Scan# 152

Delta R.T. -0.02 min

Lab File: BM001295.D

Acq: 14 May 2015 17:12

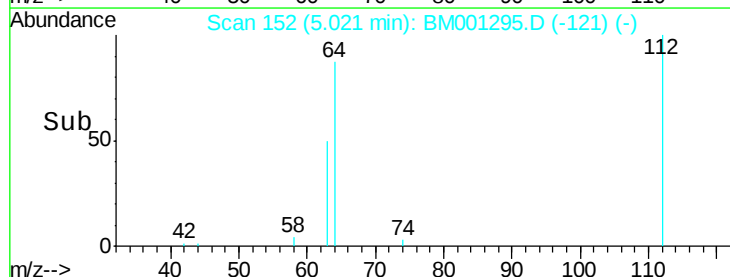
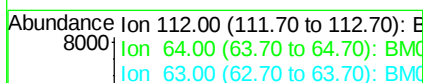
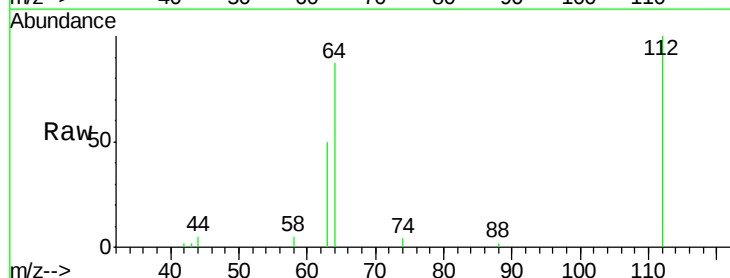
Tgt Ion:112 Resp: 11727

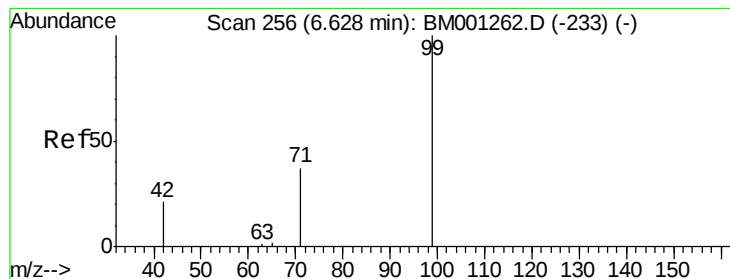
Ion Ratio Lower Upper

112 100

64 64.7 50.8 76.2

63 36.5 28.2 42.4





#5

Phenol-d6

Concen: 2.56 ng

RT: 6.63 min Scan# 256

Delta R.T. 0.00 min

Lab File: BM001295.D

Acq: 14 May 2015 17:12

Instrument :

BNA_M

ClientSampleId :

050715-P17-E-D-B

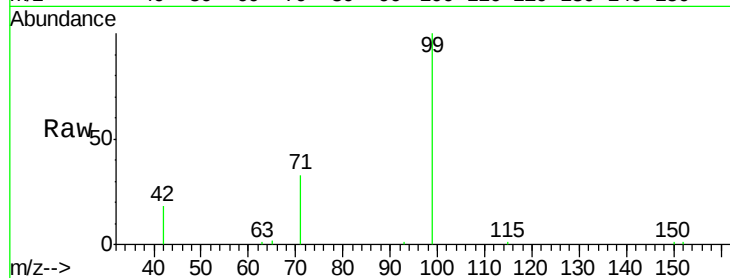
Tgt Ion: 99 Resp: 8293

Ion Ratio Lower Upper

99 100

42 24.7 19.9 29.9

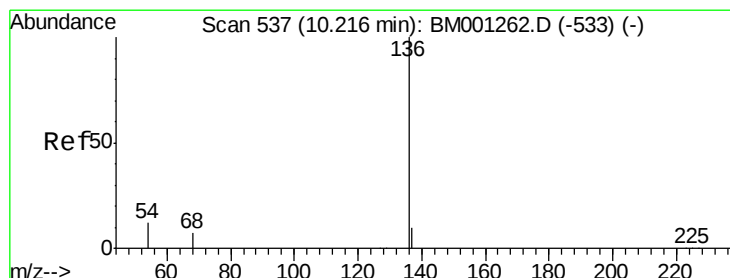
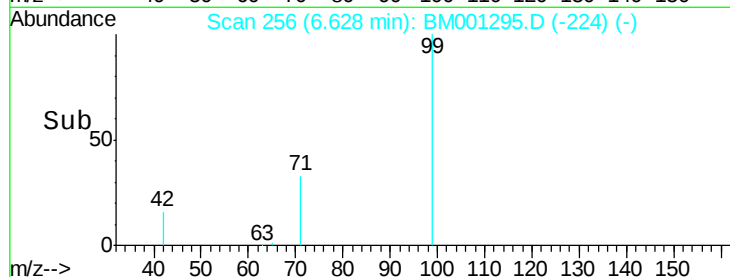
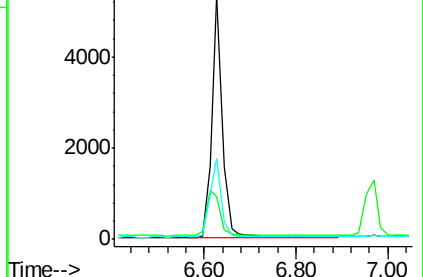
71 35.5 28.0 42.0



Abundance Ion 99.00 (98.70 to 99.70): BM001262.D (-233) (-)

Ion 42.00 (41.70 to 42.70): BM001262.D (-233) (-)

Ion 71.00 (70.70 to 71.70): BM001262.D (-233) (-)



#6

Naphthalene-d8

Concen: 5.00 ng

RT: 10.22 min Scan# 537

Delta R.T. 0.00 min

Lab File: BM001295.D

Acq: 14 May 2015 17:12

Tgt Ion: 136 Resp: 52327

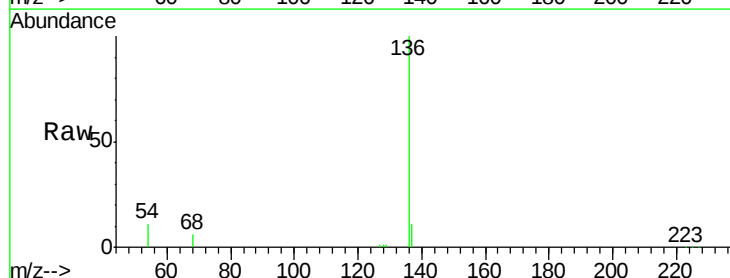
Ion Ratio Lower Upper

136 100

137 10.5 8.2 12.4

54 10.7 9.5 14.3

68 6.4 5.5 8.3

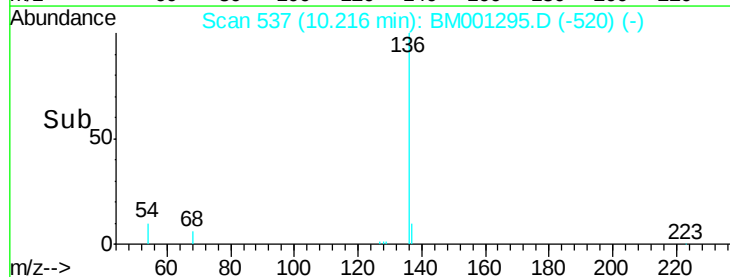
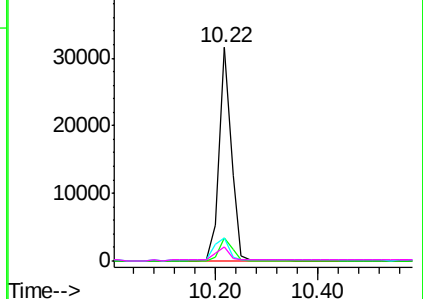


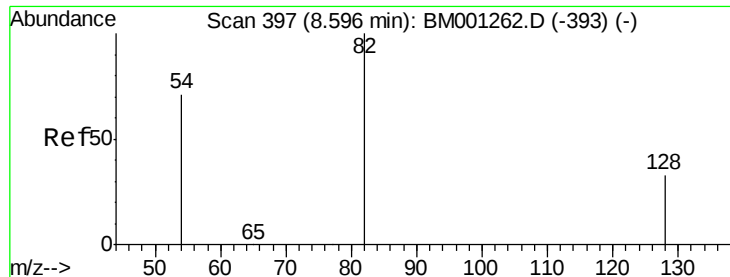
Abundance Ion 136.00 (135.70 to 136.70): BM001262.D (-533) (-)

Ion 137.00 (136.70 to 137.70): BM001262.D (-533) (-)

Ion 54.00 (53.70 to 54.70): BM001262.D (-533) (-)

Ion 68.00 (67.70 to 68.70): BM001262.D (-533) (-)





#7

Nitrobenzene-d5

Concen: 6.34 ng

RT: 8.60 min Scan# 397

Delta R.T. 0.00 min

Lab File: BM001295.D

Acq: 14 May 2015 17:12

Instrument :

BNA_M

ClientSampleId :

050715-P17-E-D-B

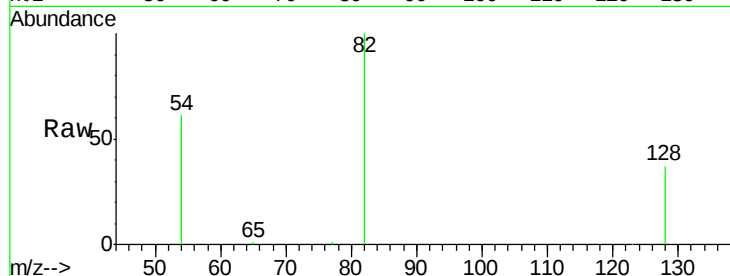
Tgt Ion: 82 Resp: 21039

Ion Ratio Lower Upper

82 100

128 37.2 28.0 42.0

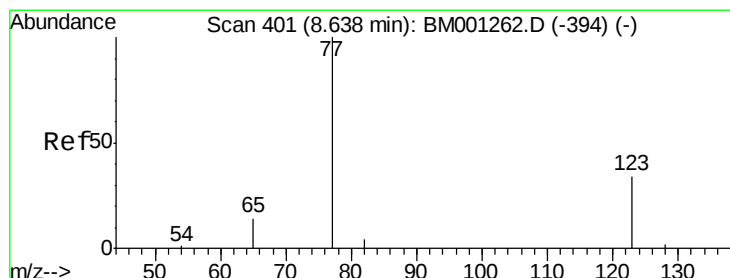
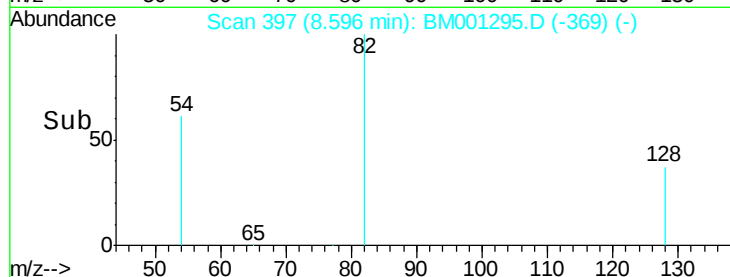
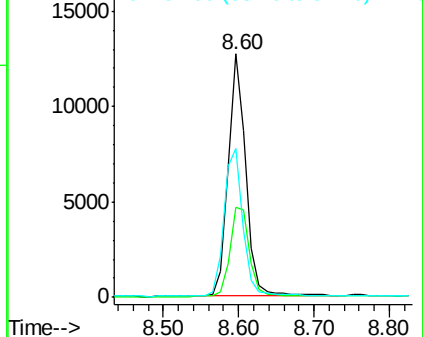
54 61.1 57.3 85.9



Abundance Ion 82.00 (81.70 to 82.70): BM0

Ion 128.00 (127.70 to 128.70): B

Ion 54.00 (53.70 to 54.70): BM0



#8

Nitrobenzene

Concen: 0.16 ng

RT: 8.60 min Scan# 397

Delta R.T. -0.04 min

Lab File: BM001295.D

Acq: 14 May 2015 17:12

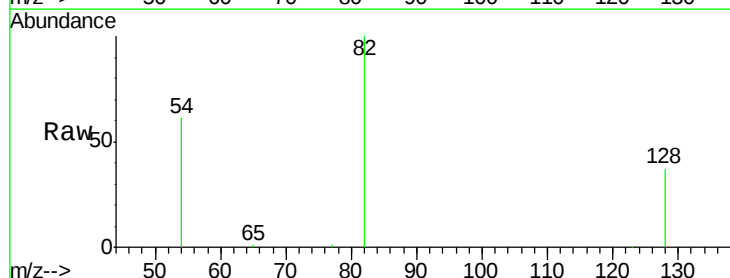
Tgt Ion: 77 Resp: 97

Ion Ratio Lower Upper

77 100

123 0.0 33.4 50.2#

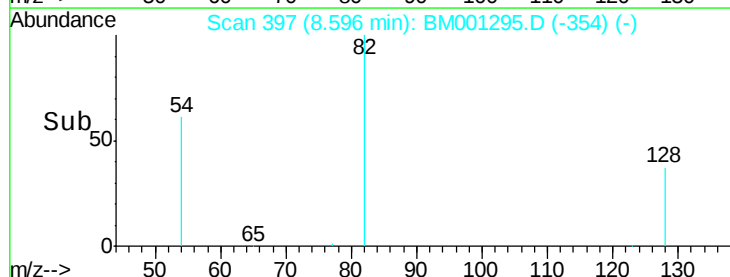
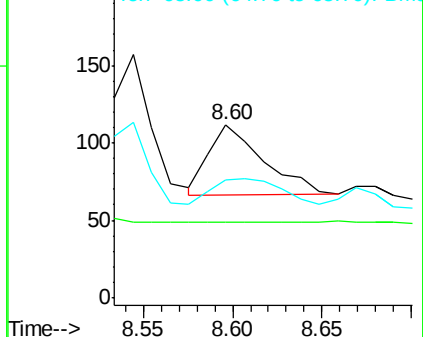
65 52.6 10.6 15.8#

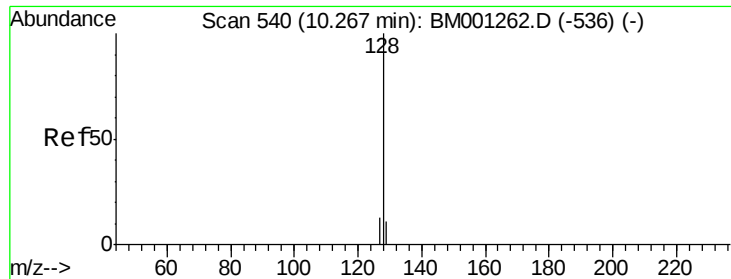


Abundance Ion 77.00 (76.70 to 77.70): BM0

Ion 123.00 (122.70 to 123.70): B

Ion 65.00 (64.70 to 65.70): BM0





#9

Naphthalene

Concen: 0.15 ng

RT: 10.27 min Scan# 540

Delta R.T. 0.00 min

Lab File: BM001295.D

Acq: 14 May 2015 17:12

Instrument :

BNA_M

ClientSampleId :

050715-P17-E-D-B

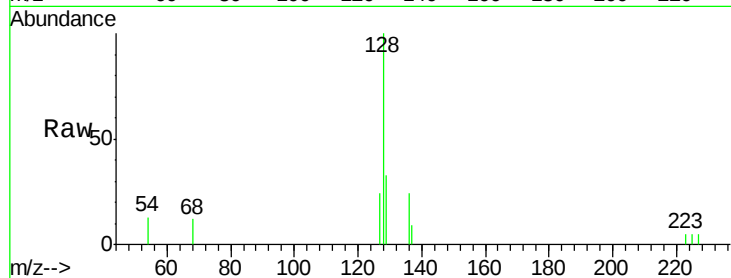
Tgt Ion:128 Resp: 1638

Ion Ratio Lower Upper

128 100

129 32.7 9.1 13.7#

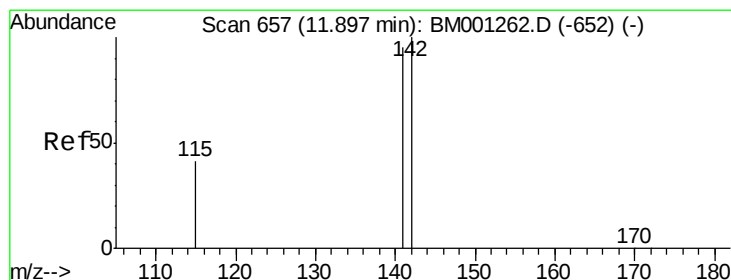
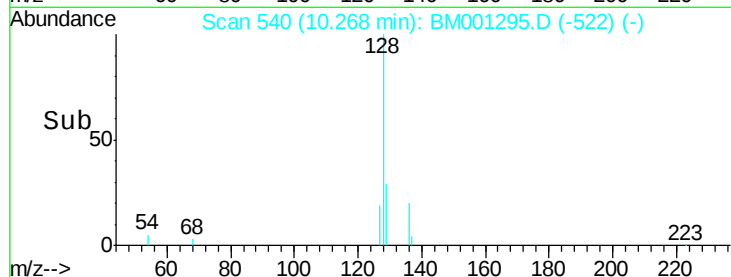
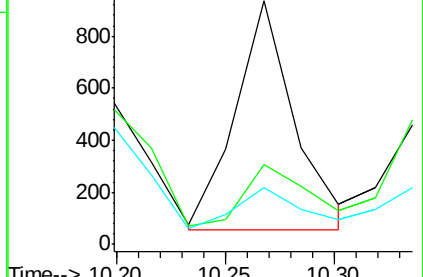
127 23.5 10.6 16.0#



Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E



#11

2-Methylnaphthalene

Concen: 2.20 ng

RT: 11.90 min Scan# 657

Delta R.T. 0.00 min

Lab File: BM001295.D

Acq: 14 May 2015 17:12

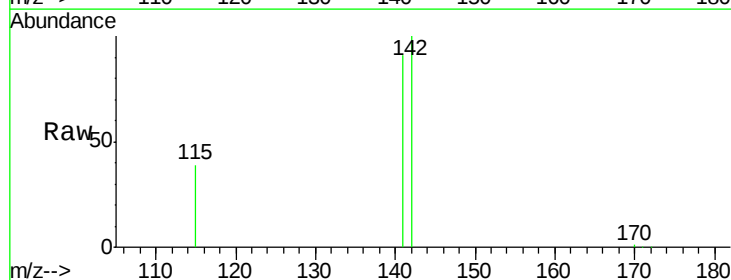
Tgt Ion:142 Resp: 15941

Ion Ratio Lower Upper

142 100

141 91.3 76.1 114.1

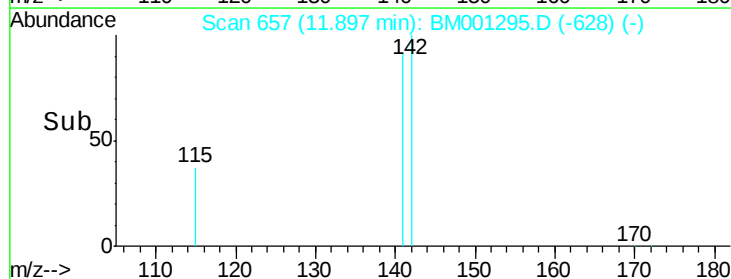
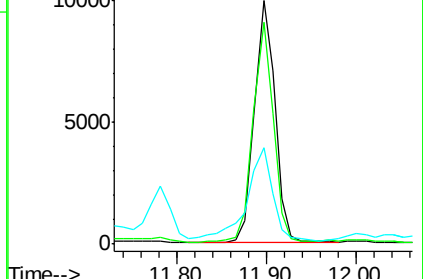
115 39.4 33.1 49.7

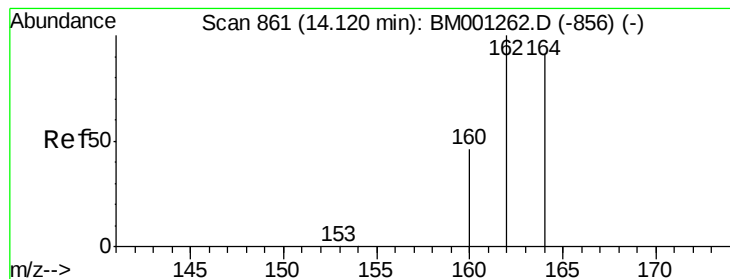


Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 115.00 (114.70 to 115.70): E





#12

Acenaphthene-d10

Concen: 5.00 ng

RT: 14.12 min Scan# 861

Delta R.T. 0.00 min

Lab File: BM001295.D

Acq: 14 May 2015 17:12

Instrument :

BNA_M

ClientSampleId :

050715-P17-E-D-B

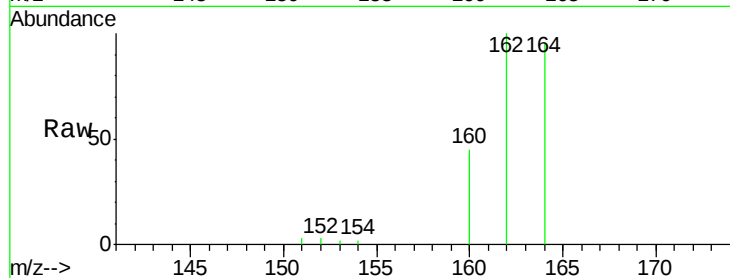
Tgt Ion:164 Resp: 27794

Ion Ratio Lower Upper

164 100

162 105.5 87.9 131.9

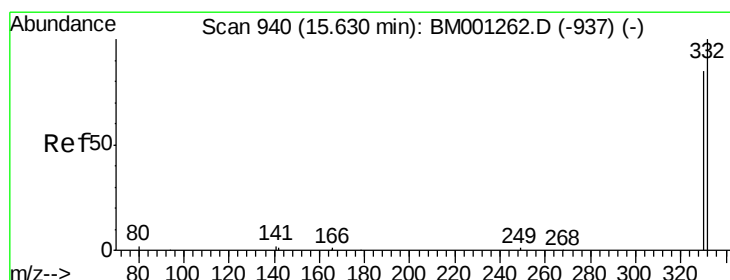
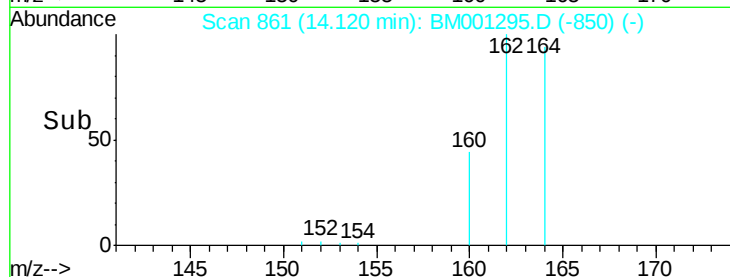
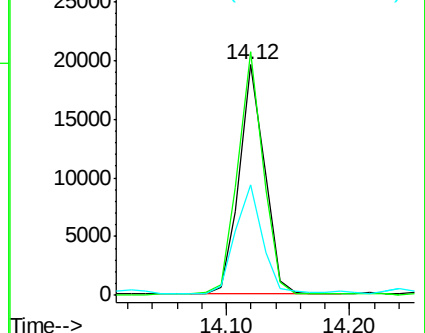
160 47.9 40.9 61.3



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



#13

2,4,6-Tribromophenol

Concen: 9.80 ng

RT: 15.63 min Scan# 940

Delta R.T. 0.00 min

Lab File: BM001295.D

Acq: 14 May 2015 17:12

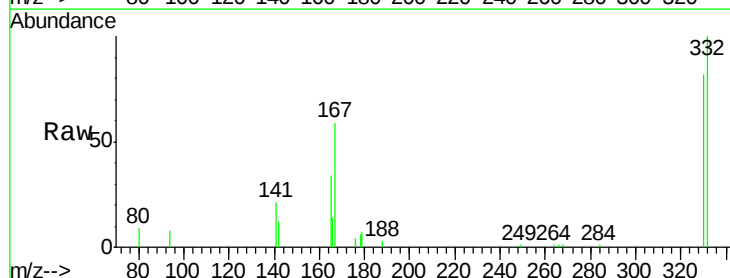
Tgt Ion:330 Resp: 9347

Ion Ratio Lower Upper

330 100

332 111.2 89.0 133.4

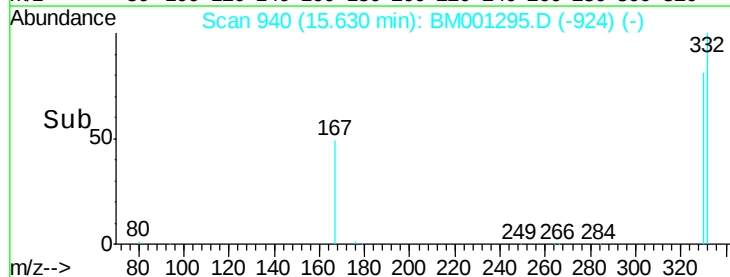
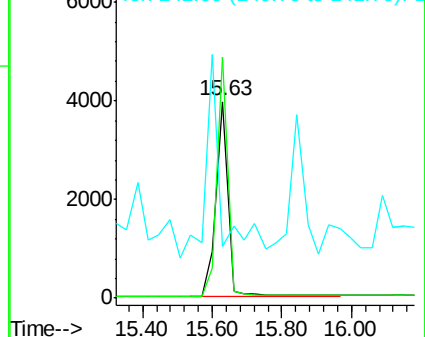
141 0.0 0.0 0.0

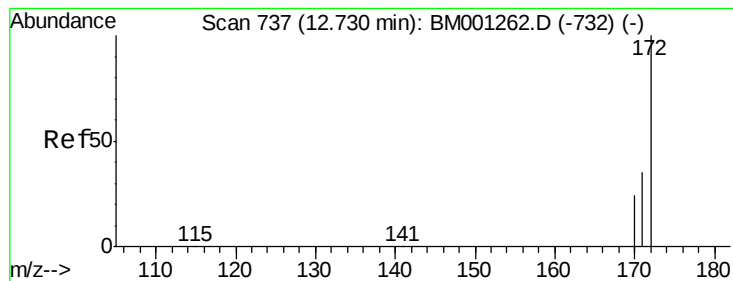


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

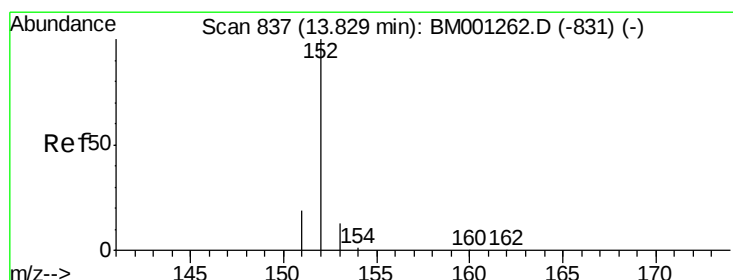
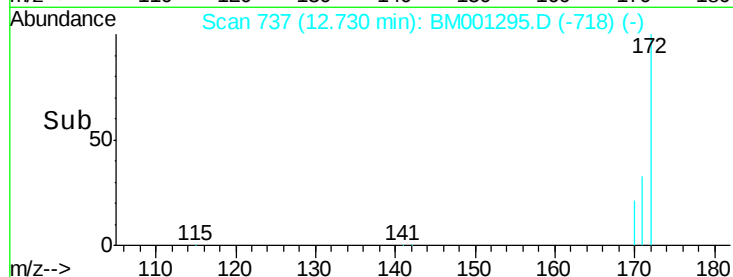
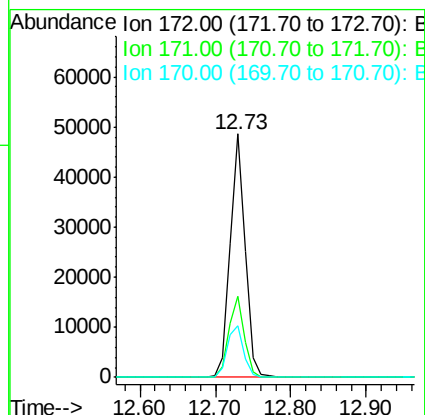
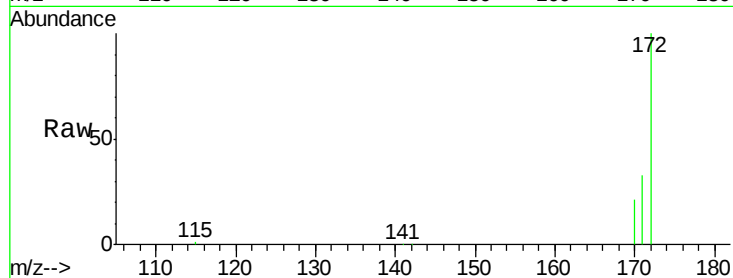




#14
2-Fluorobiphenyl
Concen: 7.93 ng
RT: 12.73 min Scan# 737
Delta R.T. 0.00 min
Lab File: BM001295.D
Acq: 14 May 2015 17:12

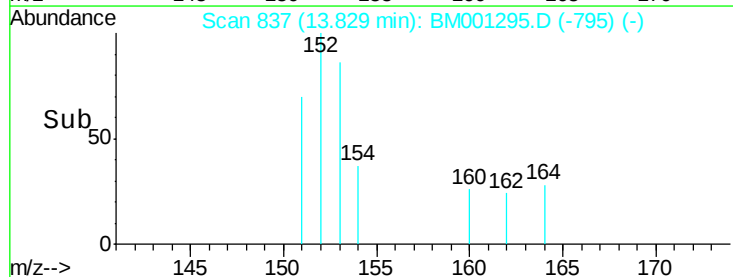
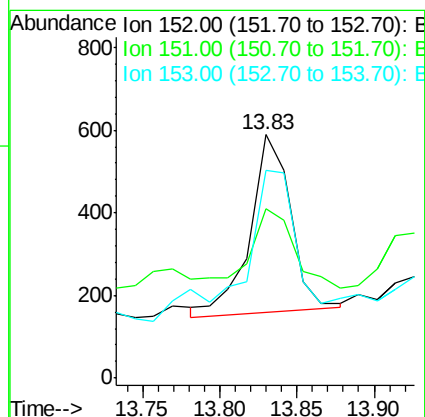
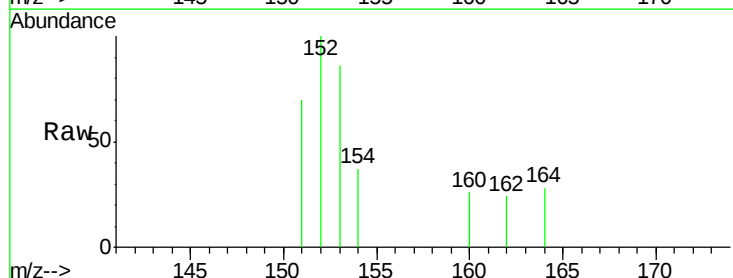
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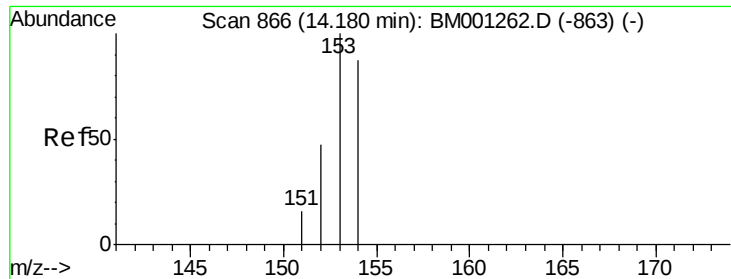
Tgt Ion:172 Resp: 68447
Ion Ratio Lower Upper
172 100
171 33.4 28.7 43.1
170 21.1 19.5 29.3



#15
Acenaphthylene
Concen: 0.07 ng
RT: 13.83 min Scan# 837
Delta R.T. 0.00 min
Lab File: BM001295.D
Acq: 14 May 2015 17:12

Tgt Ion:152 Resp: 795
Ion Ratio Lower Upper
152 100
151 43.5 15.0 22.4#
153 116.2 10.1 15.1#





#16

Acenaphthene

Concen: 0.20 ng

RT: 14.18 min Scan# 866

Delta R.T. 0.00 min

Lab File: BM001295.D

Acq: 14 May 2015 17:12

Instrument :

BNA_M

ClientSampleId :

050715-P17-E-D-B

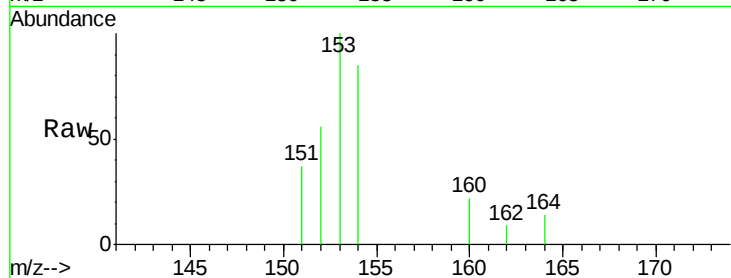
Tgt Ion:154 Resp: 1444

Ion Ratio Lower Upper

154 100

153 162.0 91.4 137.2#

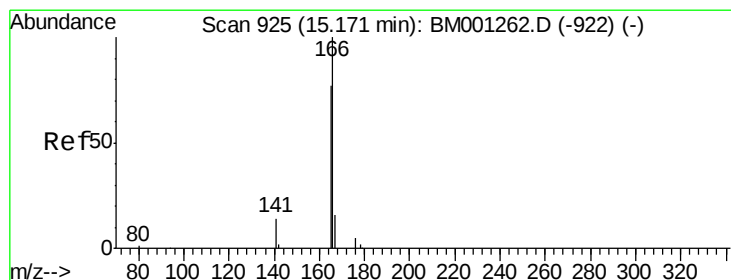
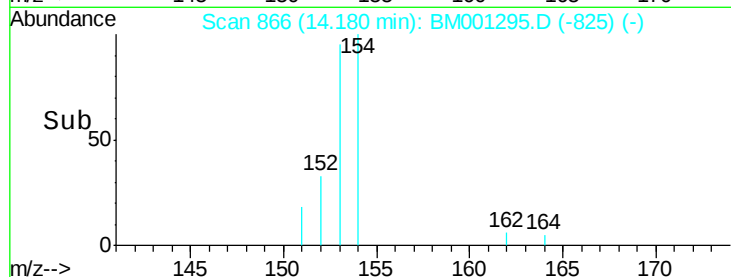
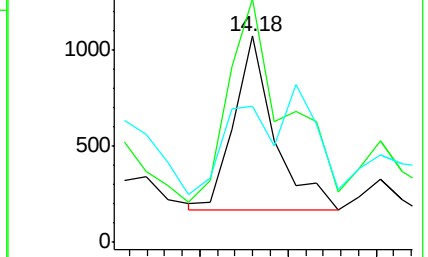
152 63.1 44.3 66.5



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



#17

Fluorene

Concen: 1.12 ng

RT: 15.14 min Scan# 924

Delta R.T. -0.03 min

Lab File: BM001295.D

Acq: 14 May 2015 17:12

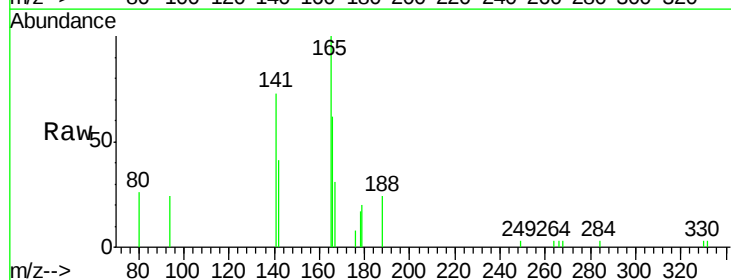
Tgt Ion:166 Resp: 7424

Ion Ratio Lower Upper

166 100

165 0.0 70.6 106.0#

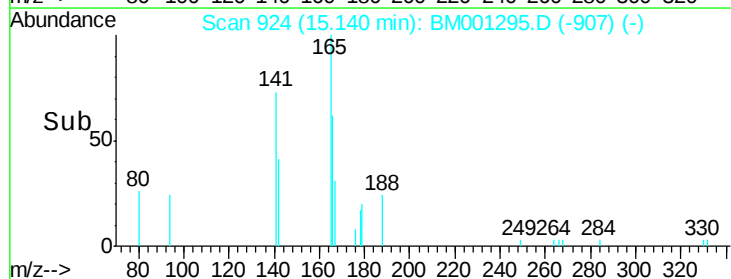
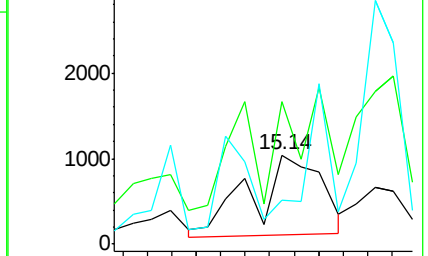
167 0.0 11.3 16.9#

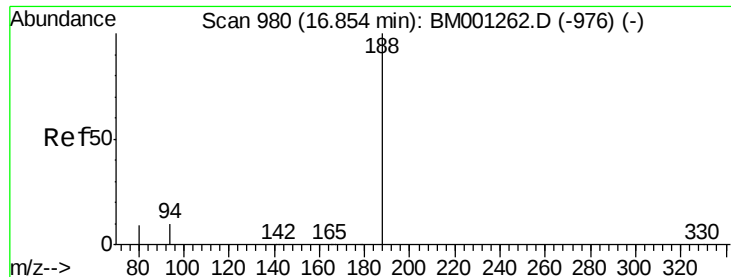


Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E

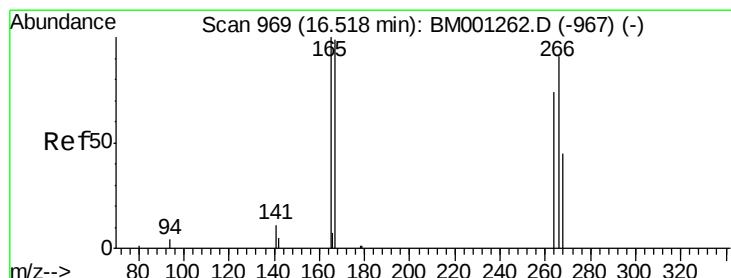
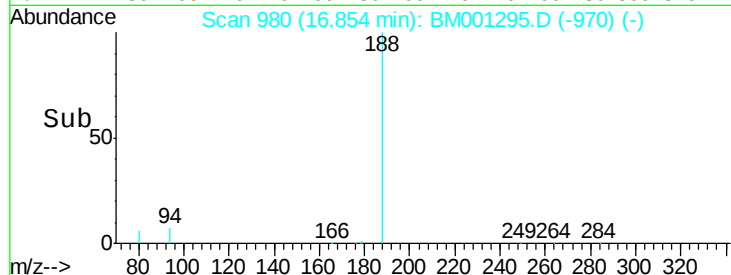
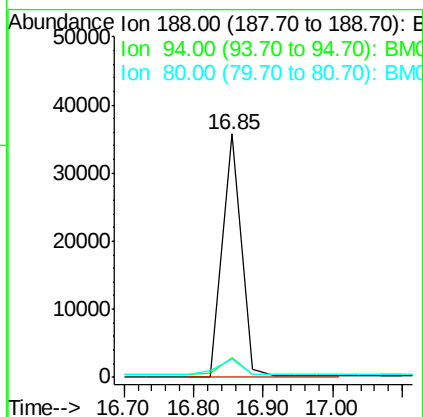
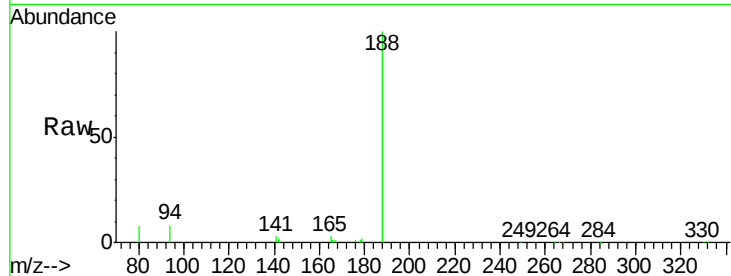




#18
Phenanthrene-d10
Concen: 5.00 ng
RT: 16.85 min Scan# 980
Delta R.T. 0.00 min
Lab File: BM001295.D
Acq: 14 May 2015 17:12

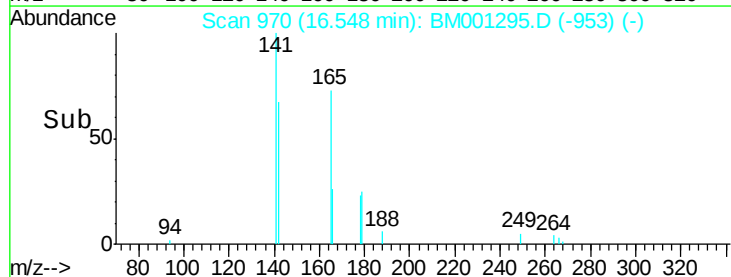
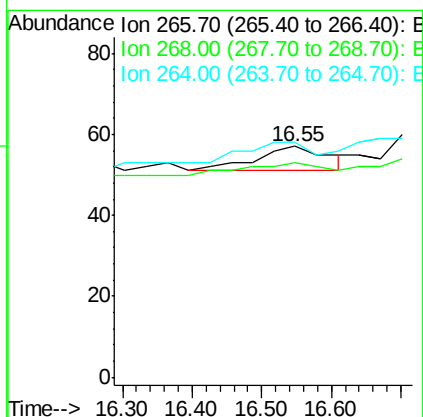
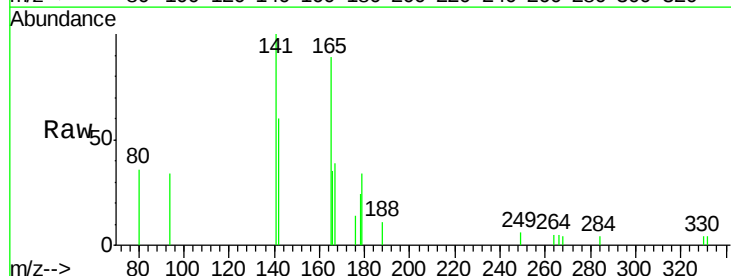
Instrument :
BNA_M
ClientSampleId :
050715-P17-E-D-B

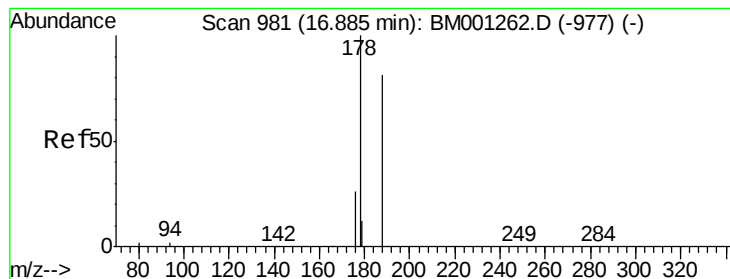
Tgt Ion:188 Resp: 68245
Ion Ratio Lower Upper
188 100
94 8.2 7.8 11.8
80 7.7 7.5 11.3



#20
Pentachlorophenol
Concen: 0.44 ng
RT: 16.55 min Scan# 970
Delta R.T. 0.03 min
Lab File: BM001295.D
Acq: 14 May 2015 17:12

Tgt Ion:266 Resp: 44
Ion Ratio Lower Upper
266 100
268 93.0 49.4 74.0#
264 101.8 67.8 101.6#





#21

Phenanthrene

Concen: 0.84 ng

RT: 16.88 min Scan# 981

Delta R.T. 0.00 min

Lab File: BM001295.D

Acq: 14 May 2015 17:12

Instrument :

BNA_M

ClientSampleId :

050715-P17-E-D-B

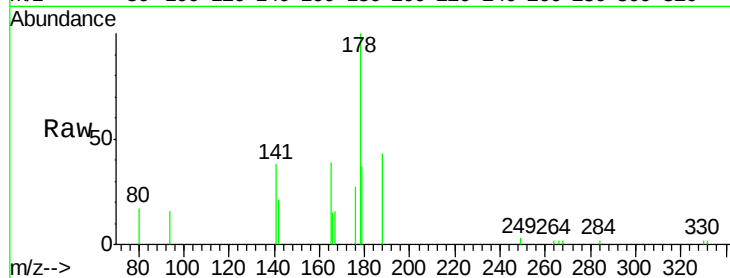
Tgt Ion:178 Resp: 8756

Ion Ratio Lower Upper

178 100

176 21.1 15.9 23.9

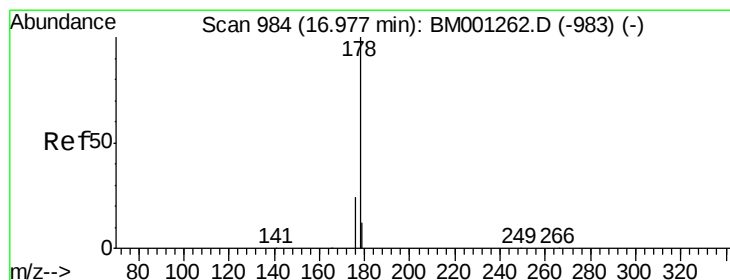
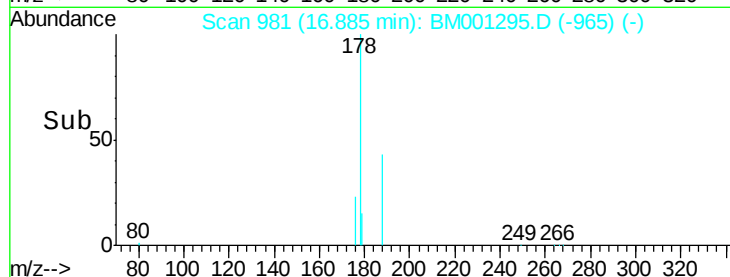
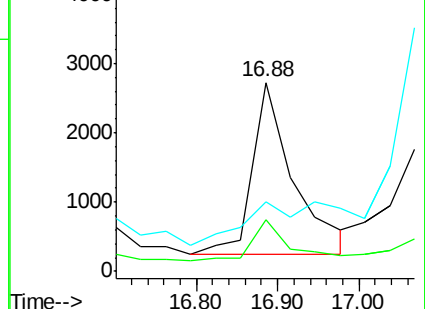
179 0.0 0.0 0.0



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



#22

Anthracene

Concen: 0.90 ng

RT: 17.07 min Scan# 987

Delta R.T. 0.09 min

Lab File: BM001295.D

Acq: 14 May 2015 17:12

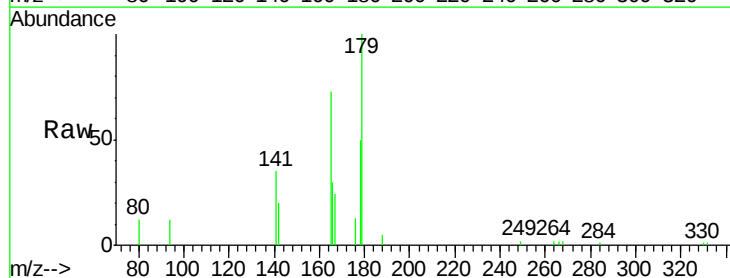
Tgt Ion:178 Resp: 9136

Ion Ratio Lower Upper

178 100

176 26.4 15.3 22.9#

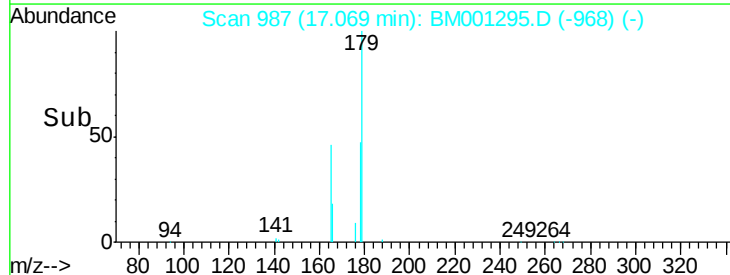
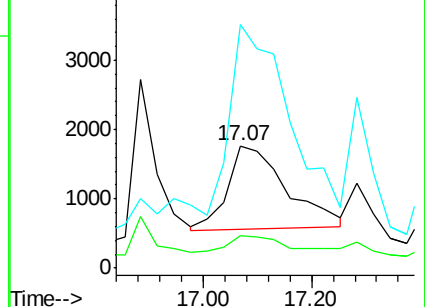
179 343.7 0.0 0.0#

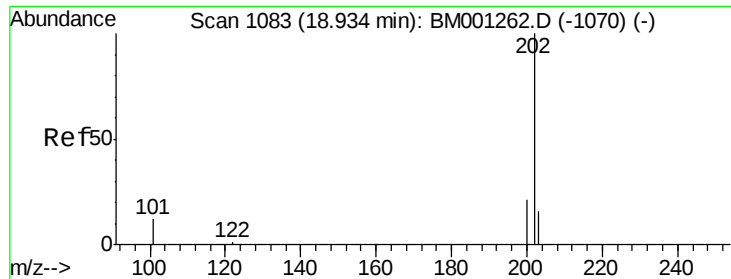


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#23

Fluoranthene

Concen: 0.05 ng

RT: 18.93 min Scan# 1083

Delta R.T. 0.00 min

Lab File: BM001295.D

Acq: 14 May 2015 17:12

Instrument :

BNA_M

ClientSampleId :

050715-P17-E-D-B

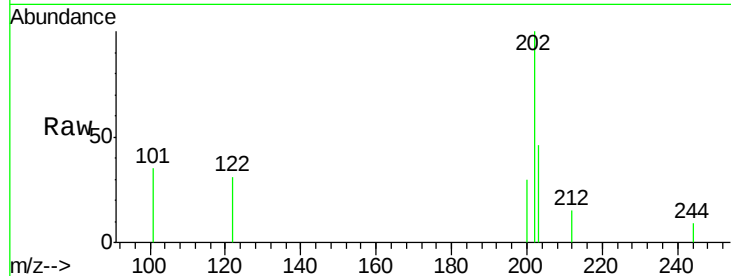
Tgt Ion:202 Resp: 734

Ion Ratio Lower Upper

202 100

101 27.9 9.1 13.7#

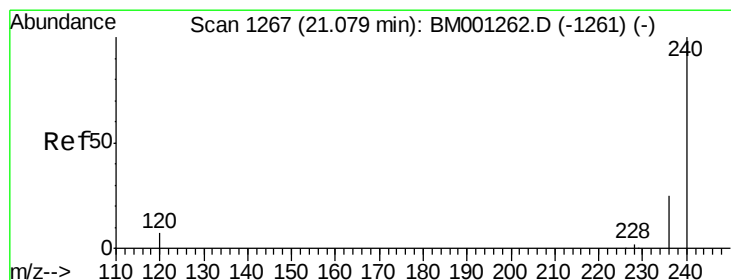
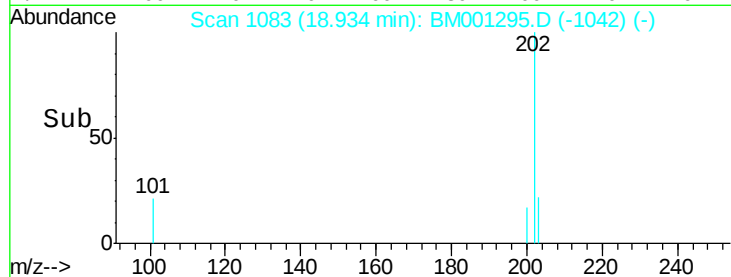
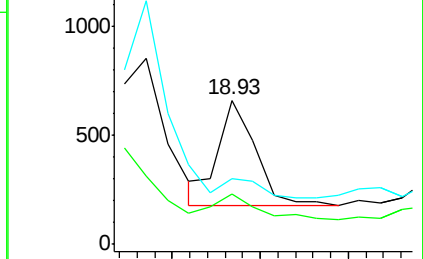
203 0.0 13.8 20.6#



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



#24

Chrysene-d12

Concen: 5.00 ng

RT: 21.08 min Scan# 1267

Delta R.T. 0.00 min

Lab File: BM001295.D

Acq: 14 May 2015 17:12

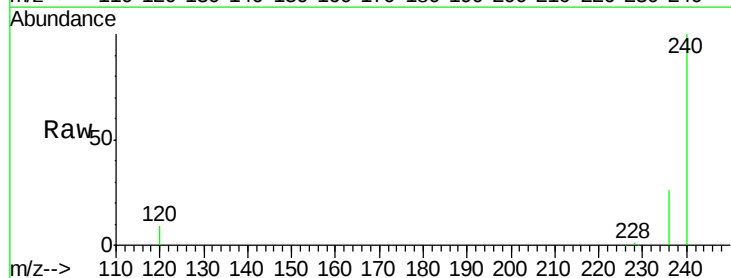
Tgt Ion:240 Resp: 49786

Ion Ratio Lower Upper

240 100

120 8.5 5.5 8.3#

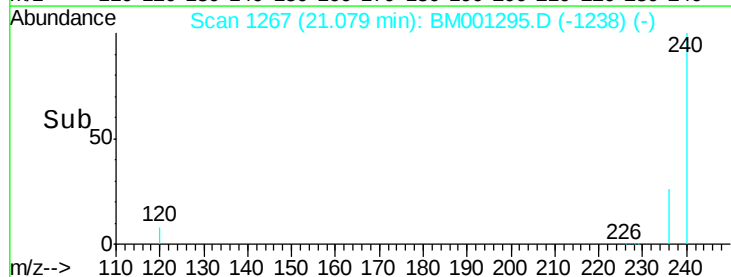
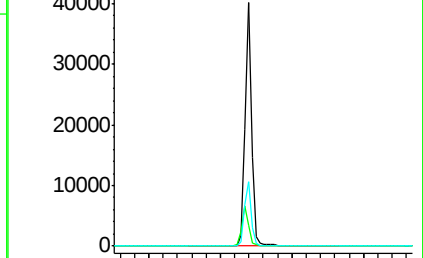
236 26.5 20.4 30.6

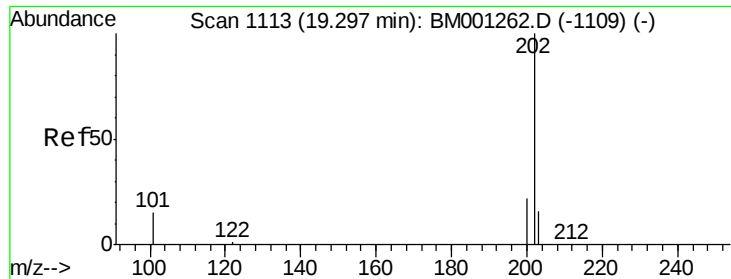


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#25

Pyrene

Concen: 0.42 ng

RT: 19.30 min Scan# 1113

Delta R.T. 0.00 min

Lab File: BM001295.D

Acq: 14 May 2015 17:12

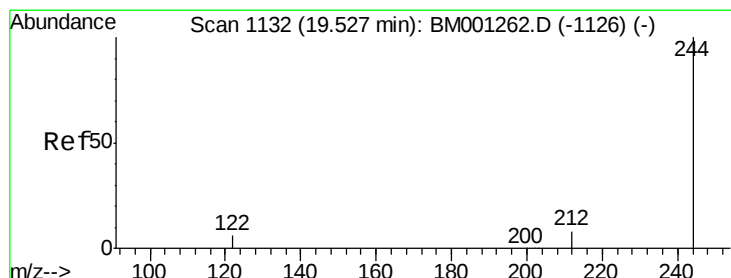
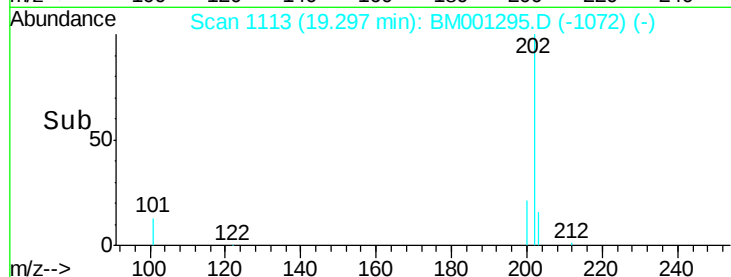
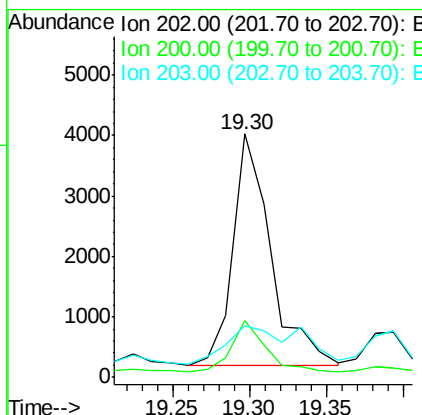
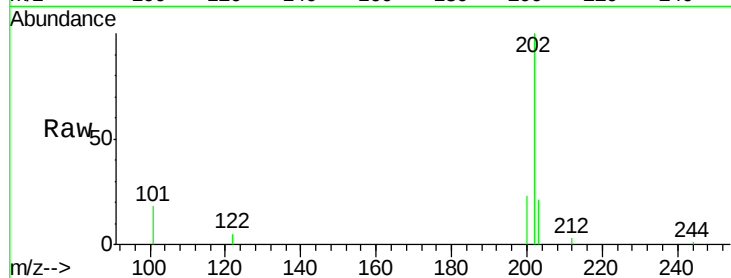
Instrument :

BNA_M

ClientSampleId :

050715-P17-E-D-B

Tgt Ion:	202	Resp:	6532
Ion	Ratio	Lower	Upper
202	100		
200	19.3	16.4	24.6
203	32.6	13.9	20.9#



#26

Terphenyl-d14

Concen: 8.27 ng

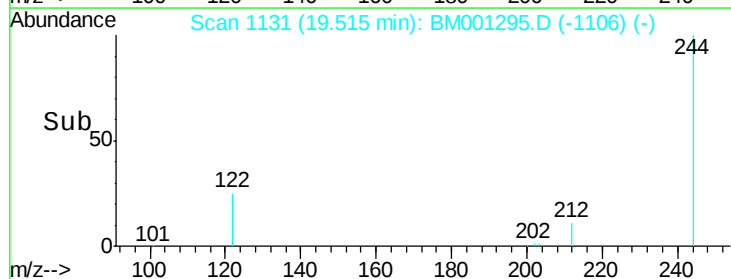
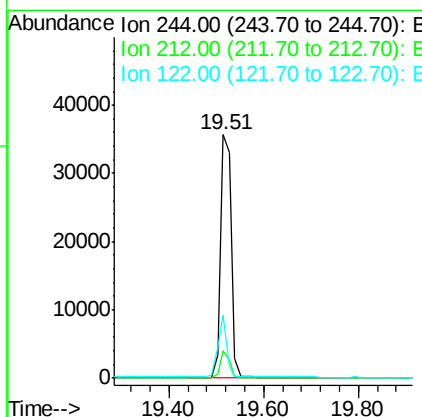
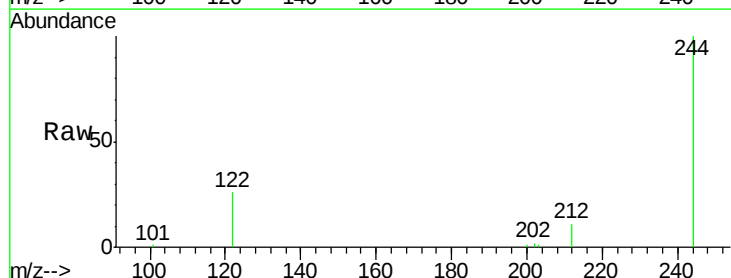
RT: 19.51 min Scan# 1131

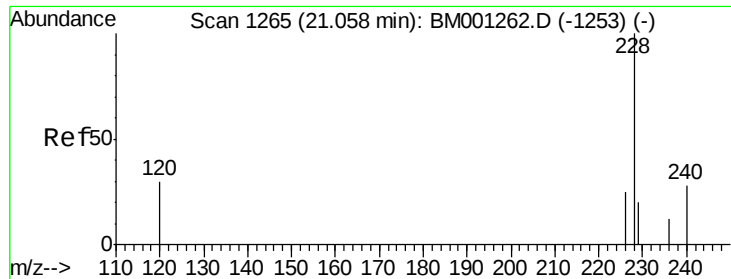
Delta R.T. 0.00 min

Lab File: BM001295.D

Acq: 14 May 2015 17:12

Tgt Ion:	244	Resp:	55309
Ion	Ratio	Lower	Upper
244	100		
212	11.2	7.2	10.8#
122	25.9	5.6	8.4#





#27

Benzo(a)anthracene

Concen: 0.04 ng

RT: 21.06 min Scan# 1265

Delta R.T. 0.00 min

Lab File: BM001295.D

Acq: 14 May 2015 17:12

Instrument :

BNA_M

ClientSampleId :

050715-P17-E-D-B

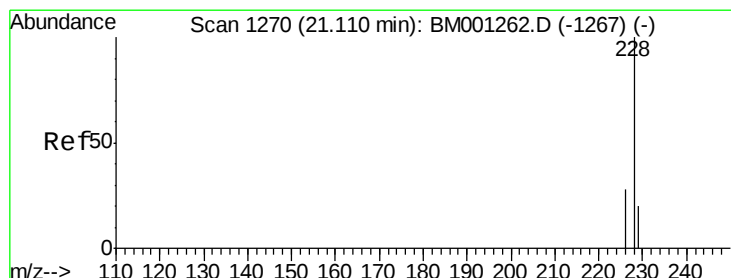
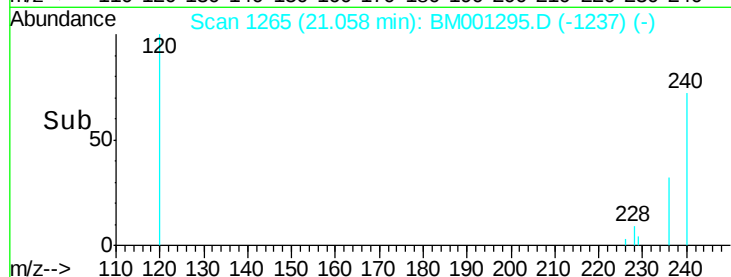
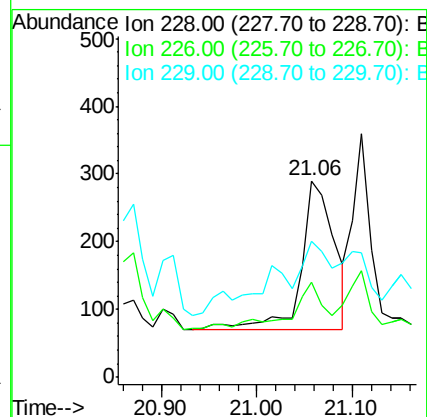
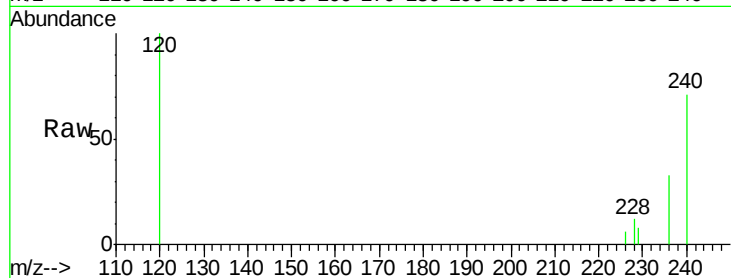
Tgt Ion:228 Resp: 538

Ion Ratio Lower Upper

228 100

226 48.6 20.5 30.7#

229 69.0 16.2 24.4#



#28

Chrysene

Concen: 0.03 ng

RT: 21.11 min Scan# 1270

Delta R.T. 0.00 min

Lab File: BM001295.D

Acq: 14 May 2015 17:12

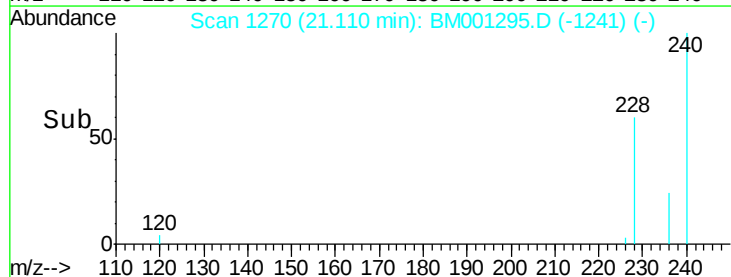
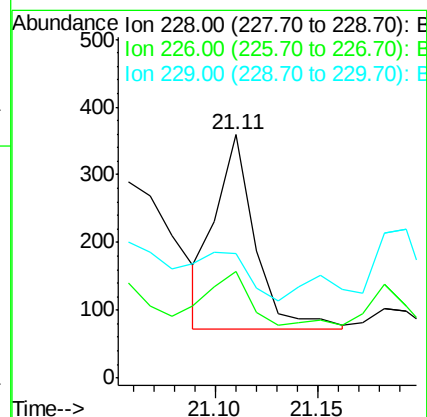
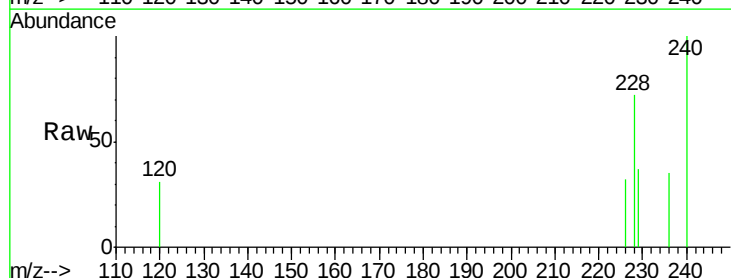
Tgt Ion:228 Resp: 387

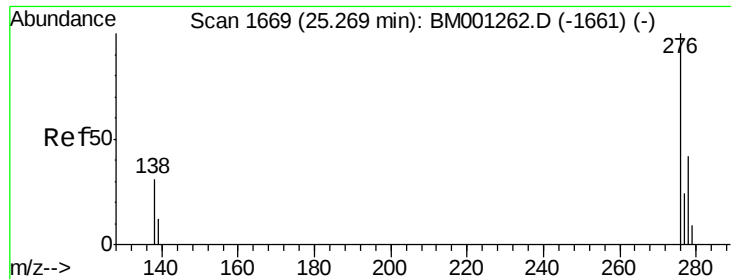
Ion Ratio Lower Upper

228 100

226 43.7 22.2 33.2#

229 51.0 16.5 24.7#





#29

Indeno(1,2,3-cd)pyrene

Concen: 0.02 ng

RT: 25.28 min Scan# 1670

Delta R.T. 0.01 min

Lab File: BM001295.D

Acq: 14 May 2015 17:12

Instrument :

BNA_M

ClientSampleId :

050715-P17-E-D-B

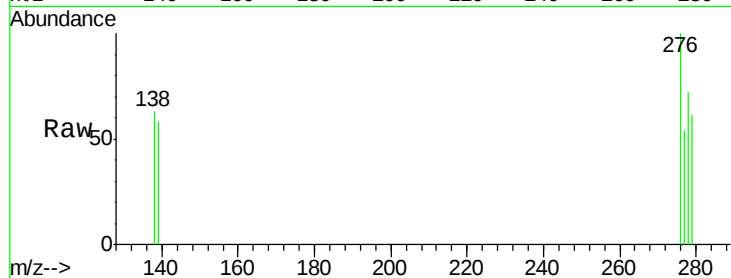
Tgt Ion:276 Resp: 315

Ion Ratio Lower Upper

276 100

138 30.8 24.9 37.3

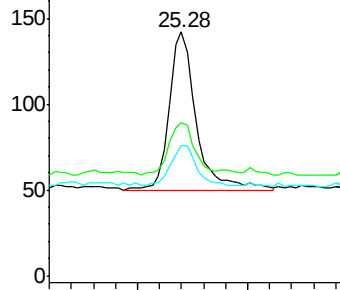
277 24.1 19.5 29.3



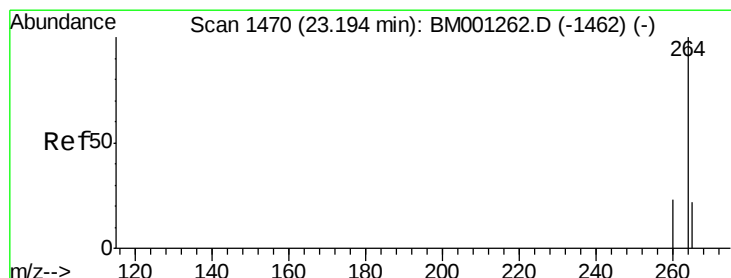
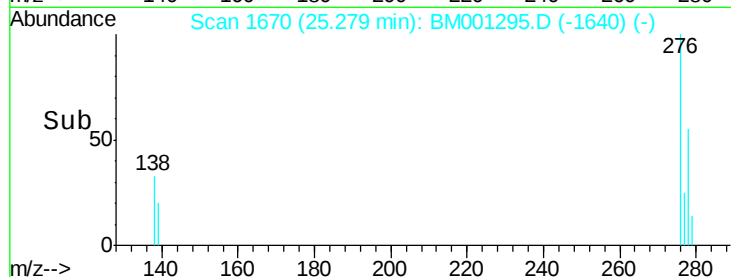
Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E



Time-->



#30

Perylene-d12

Concen: 5.00 ng

RT: 23.19 min Scan# 1470

Delta R.T. 0.01 min

Lab File: BM001295.D

Acq: 14 May 2015 17:12

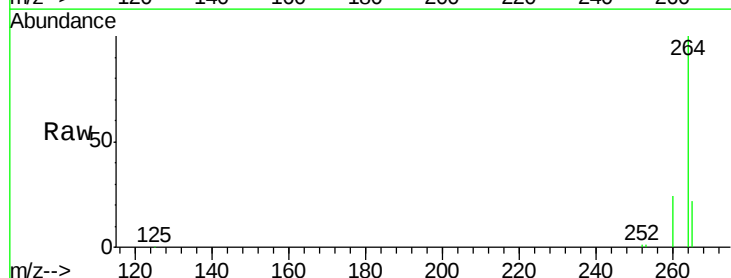
Tgt Ion:264 Resp: 49171

Ion Ratio Lower Upper

264 100

260 24.4 18.9 28.3

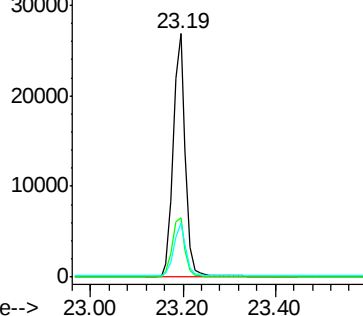
265 22.1 18.1 27.1



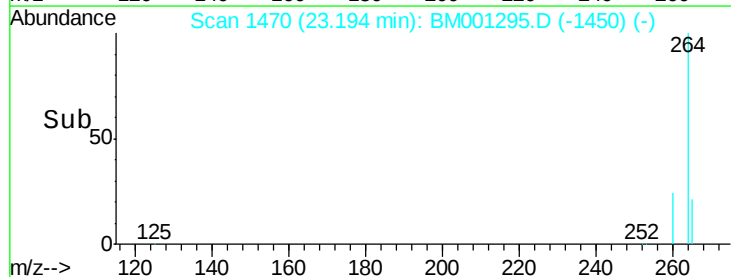
Abundance Ion 264.00 (263.70 to 264.70): E

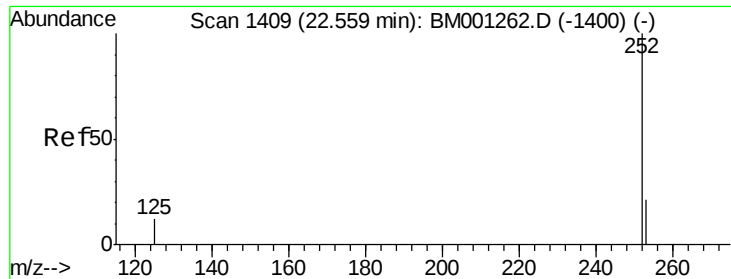
Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E



Time-->





#31

Benzo(b)fluoranthene

Concen: 0.02 ng

RT: 22.56 min Scan# 1409

Delta R.T. 0.00 min

Lab File: BM001295.D

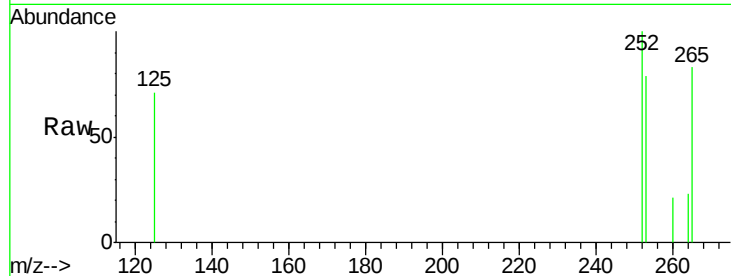
Acq: 14 May 2015 17:12

Instrument :

BNA_M

ClientSampleId :

050715-P17-E-D-B



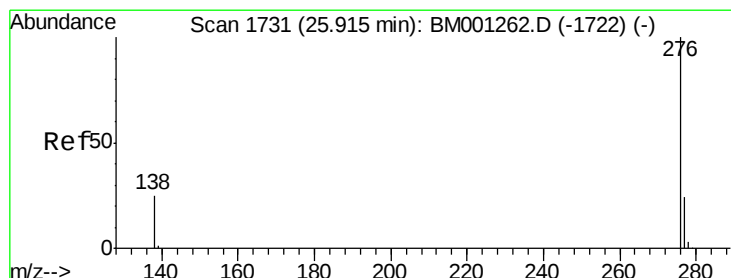
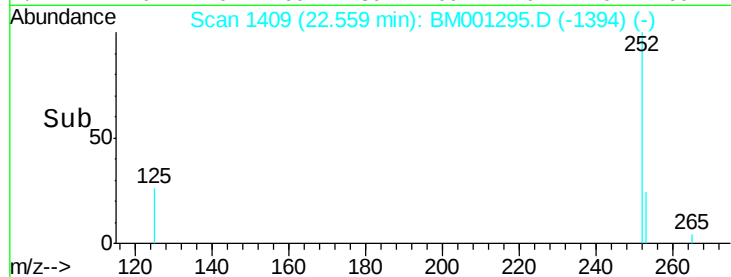
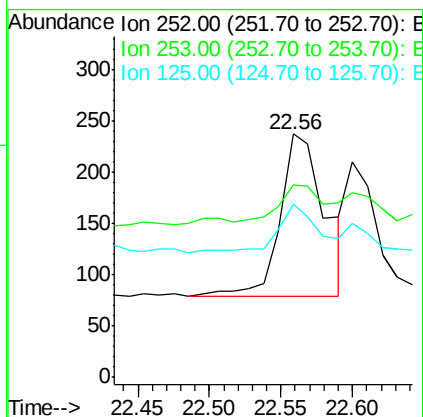
Tgt Ion: 252 Resp: 350

Ion Ratio Lower Upper

252 100

253 79.0 17.8 26.6#

125 71.0 10.4 15.6#



#35

Benzo(g,h,i)perylene

Concen: 0.02 ng

RT: 25.92 min Scan# 1731

Delta R.T. 0.01 min

Lab File: BM001295.D

Acq: 14 May 2015 17:12

Tgt Ion: 276 Resp: 263

Ion Ratio Lower Upper

276 100

277 55.3 19.9 29.9#

138 59.1 21.0 31.4#

