

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM061315\
 Data File : BM001690.D
 Acq On : 13 Jun 2015 03:35
 Operator : TP/IZ
 Sample : G2620-02
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 061115-P22-F-D-S

Quant Time: Jun 13 06:49:16 2015
 Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SIM-BM061315.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Sat Jun 13 02:11:48 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.66	152	14294	5.00	ng	0.00
6) Naphthalene-d8	10.46	136	52131	5.00	ng	0.00
12) Acenaphthene-d10	14.33	164	25167	5.00	ng	0.00
18) Phenanthrene-d10	17.06	188	80112	5.00	ng	0.00
25) Chrysene-d12	21.25	240	46010	5.00	ng	0.00
32) Perylene-d12	23.48	264	42234	5.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) 2-Fluorophenol	5.25	112	17368	5.04	ng	0.00
5) Phenol-d6	6.83	99	15336	3.53	ng	0.00
7) Nitrobenzene-d5	8.83	82	31540	7.67	ng	0.00
13) 2,4,6-Tribromophenol	15.80	330	7863	13.37	ng	0.00
14) 2-Fluorobiphenyl	12.94	172	69443	7.78	ng	0.00
27) Terphenyl-d14	19.70	244	58595	8.52	ng	0.00

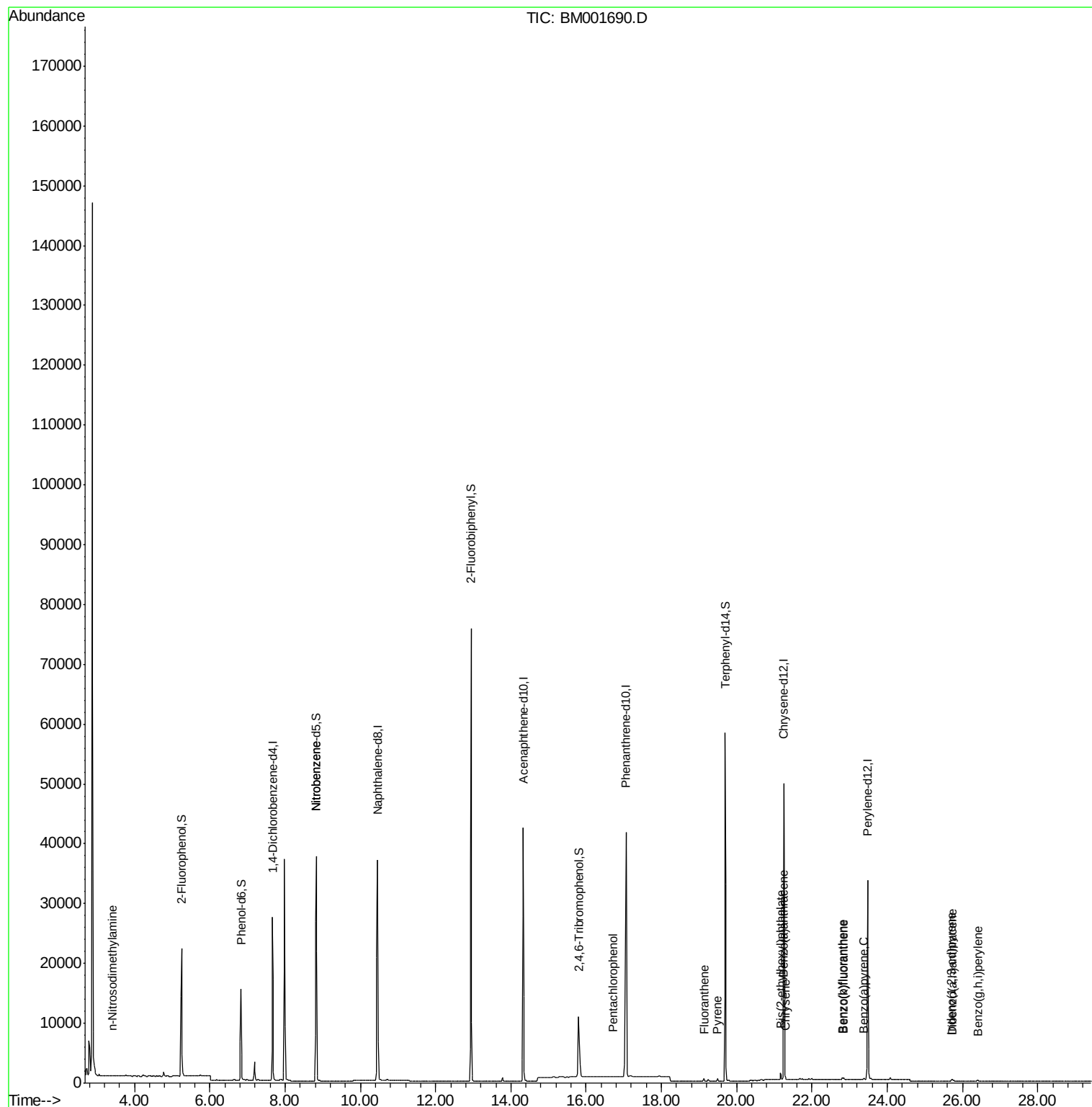
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) n-Nitrosodimethylamine	3.41	42	85	0.03	ng	# 1
8) Nitrobenzene	8.83	77	119	0.03	ng	# 36
21) Pentachlorophenol	16.72	266	51	0.34	ng	# 69
24) Fluoranthene	19.13	202	407	0.03	ng	# 93
26) Pyrene	19.49	202	413	0.03	ng	# 97
28) Benzo(a)anthracene	21.24	228	547	0.04	ng	# 79
29) Chrysene	21.28	228	358	0.03	ng	# 80
30) Bis(2-ethylhexyl)phthalate	21.16	149	1681	0.42	ng	# 88
31) Indeno(1,2,3-cd)pyrene	25.71	276	322	0.02	ng	# 88
33) Benzo(b)fluoranthene	22.80	252	355	0.03	ng	# 23
34) Benzo(k)fluoranthene	22.84	252	311	0.02	ng	# 8
35) Benzo(a)pyrene	23.38	252	248	0.02	ng	# 1
36) Dibenzo(a,h)anthracene	25.73	278	247	0.02	ng	# 7
37) Benzo(g,h,i)perylene	26.40	276	305	0.03	ng	# 45

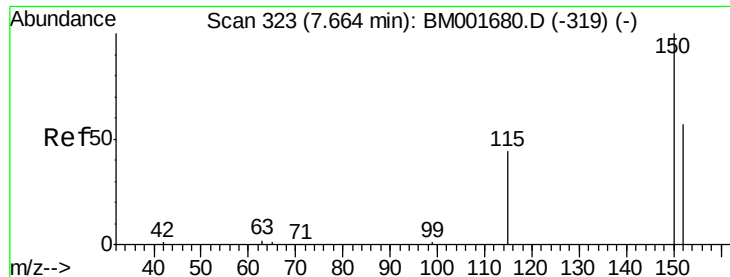
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 5.00 ng

RT: 7.66 min Scan# 323

Delta R.T. 0.00 min

Lab File: BM001690.D

Acq: 13 Jun 2015 03:35

Instrument :

BNA_M

ClientSampleId :

061115-P22-F-D-S

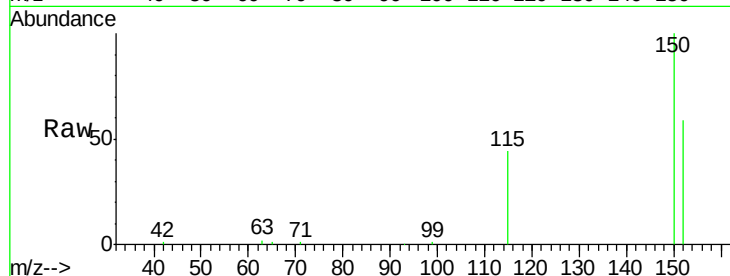
Tgt Ion:152 Resp: 14294

Ion Ratio Lower Upper

152 100

150 169.9 139.6 209.4

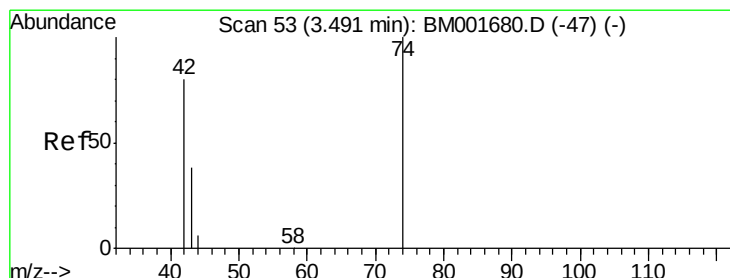
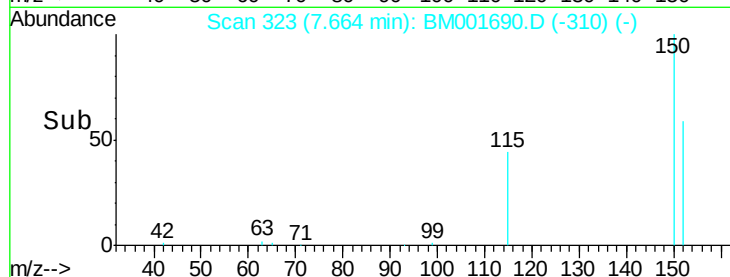
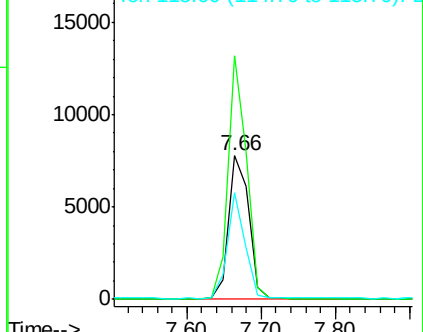
115 74.5 62.5 93.7



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



#3

n-Nitrosodimethylamine

Concen: 0.03 ng

RT: 3.41 min Scan# 48

Delta R.T. -0.08 min

Lab File: BM001690.D

Acq: 13 Jun 2015 03:35

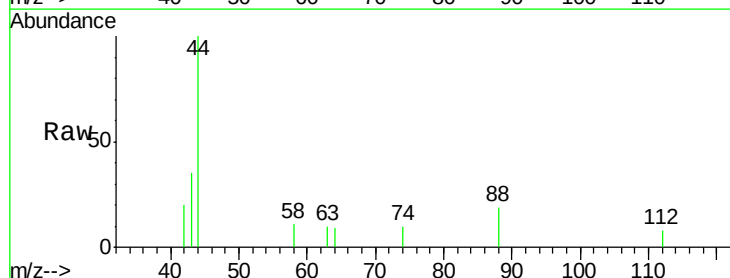
Tgt Ion: 42 Resp: 85

Ion Ratio Lower Upper

42 100

74 0.0 80.5 120.7#

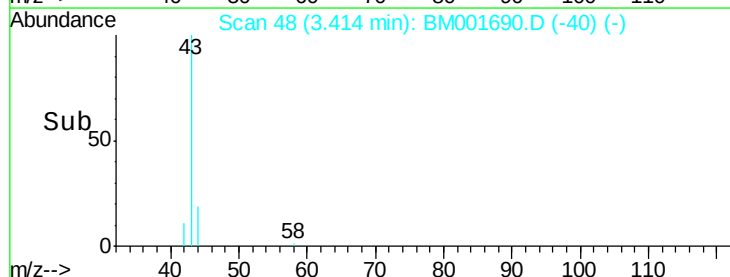
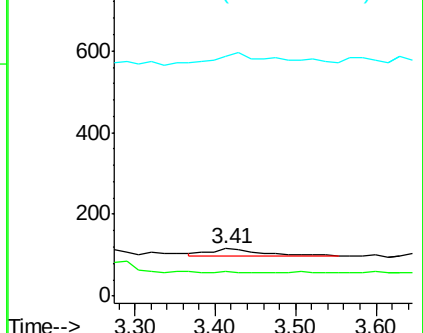
44 207.1 5.4 8.0#

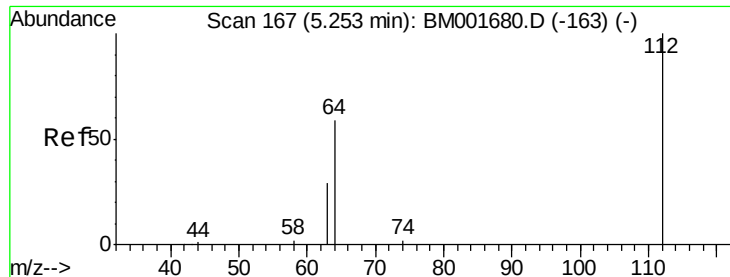


Abundance Ion 42.00 (41.70 to 42.70): BM0

Ion 74.00 (73.70 to 74.70): BM0

Ion 44.00 (43.70 to 44.70): BM0





#4

2-Fluorophenol

Concen: 5.04 ng

RT: 5.25 min Scan# 167

Delta R.T. 0.00 min

Lab File: BM001690.D

Acq: 13 Jun 2015 03:35

Instrument :

BNA_M

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061115-P22-F-D-S

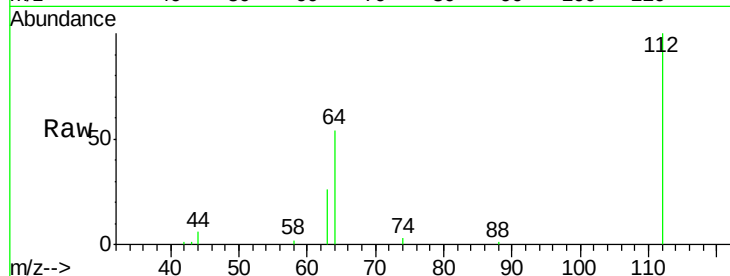
Tgt Ion: 112 Resp: 17368

Ion Ratio Lower Upper

112 100

64 68.8 54.9 82.3

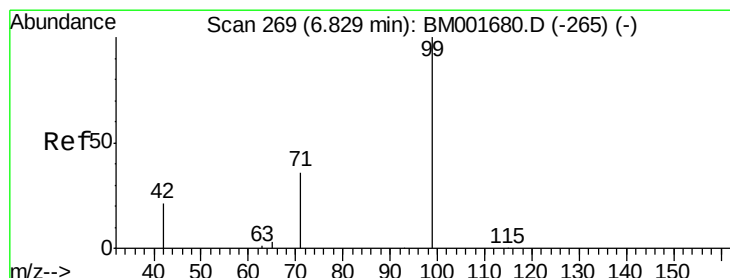
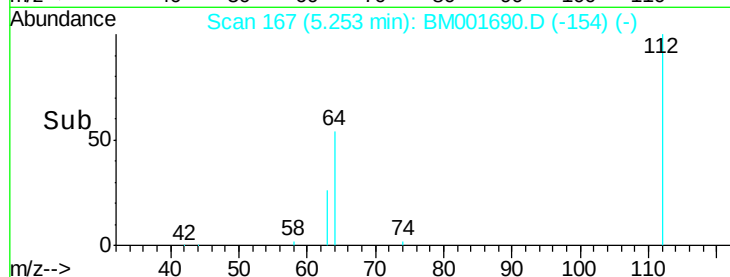
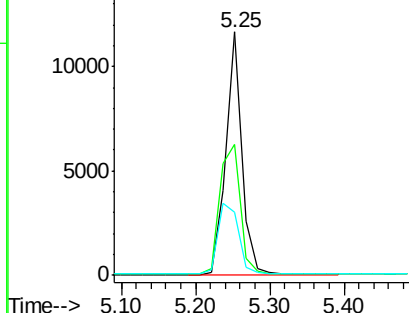
63 37.7 30.5 45.7



Abundance Ion 112.00 (111.70 to 112.70): B

Ion 64.00 (63.70 to 64.70): B

Ion 63.00 (62.70 to 63.70): B



#5

Phenol-d6

Concen: 3.53 ng

RT: 6.83 min Scan# 269

Delta R.T. 0.00 min

Lab File: BM001690.D

Acq: 13 Jun 2015 03:35

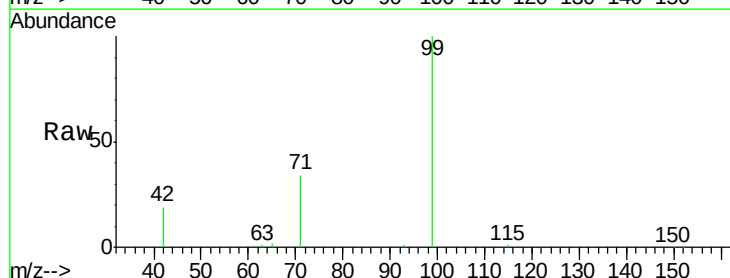
Tgt Ion: 99 Resp: 15336

Ion Ratio Lower Upper

99 100

42 25.0 21.0 31.6

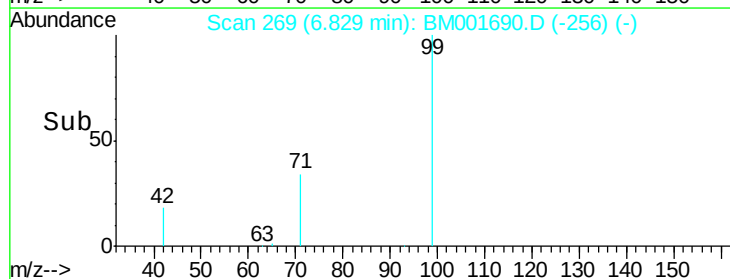
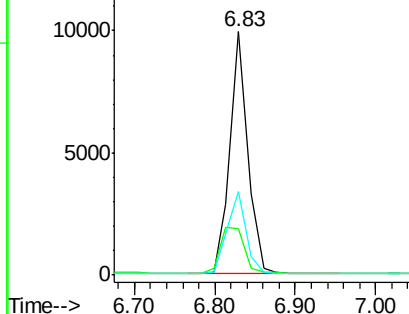
71 35.8 28.7 43.1

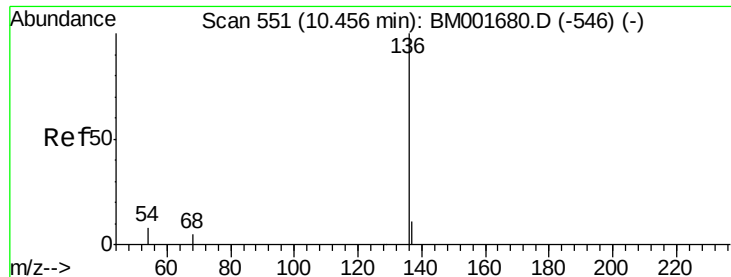


Abundance Ion 99.00 (98.70 to 99.70): B

Ion 42.00 (41.70 to 42.70): B

Ion 71.00 (70.70 to 71.70): B





#6

Naphthalene-d8

Concen: 5.00 ng

RT: 10.46 min Scan# 551

Delta R.T. 0.00 min

Lab File: BM001690.D

Acq: 13 Jun 2015 03:35

Instrument :

BNA_M

ClientSampleId :

061115-P22-F-D-S

Tgt Ion:136 Resp: 52131

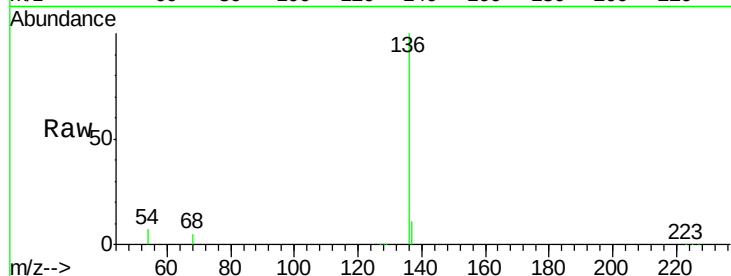
Ion Ratio Lower Upper

136 100

137 11.2 8.9 13.3

54 7.3 6.2 9.4

68 4.8 3.9 5.9

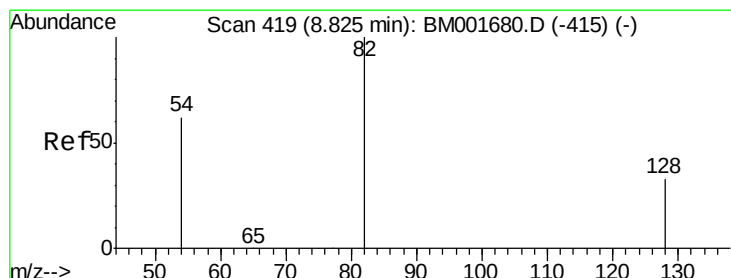
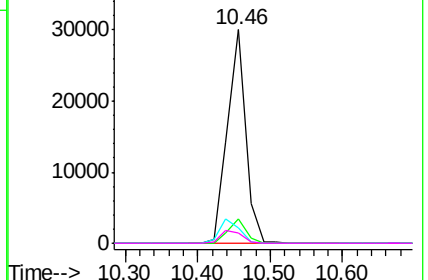
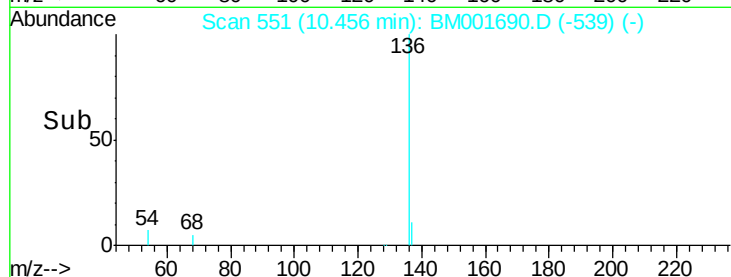


Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BM

Ion 68.00 (67.70 to 68.70): BM



#7

Nitrobenzene-d5

Concen: 7.67 ng

RT: 8.83 min Scan# 419

Delta R.T. 0.00 min

Lab File: BM001690.D

Acq: 13 Jun 2015 03:35

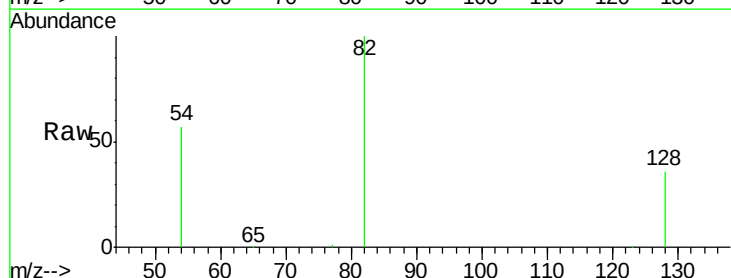
Tgt Ion: 82 Resp: 31540

Ion Ratio Lower Upper

82 100

128 35.7 27.6 41.4

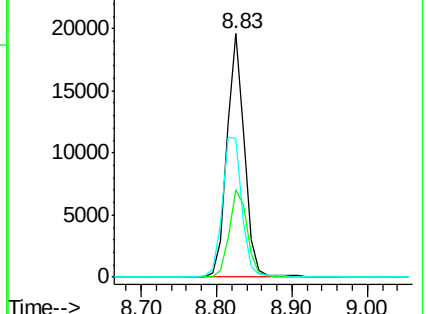
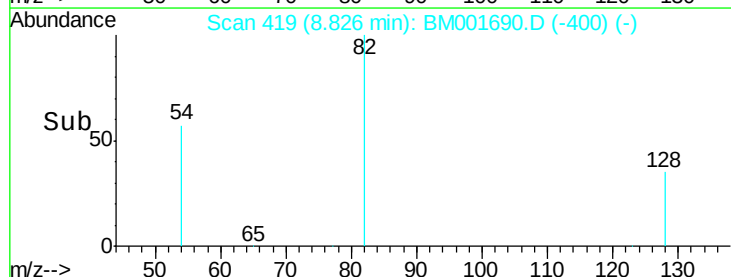
54 56.8 50.1 75.1

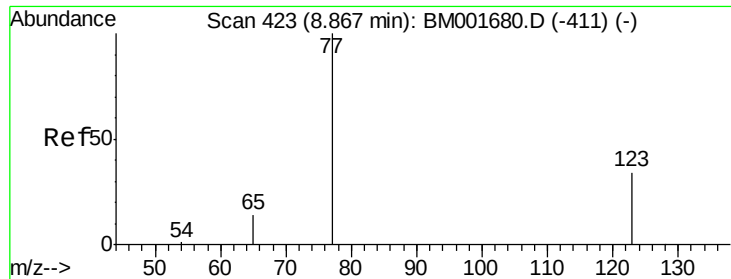


Abundance Ion 82.00 (81.70 to 82.70): BM

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BM

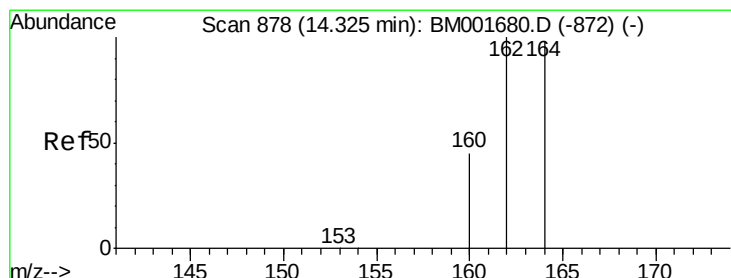
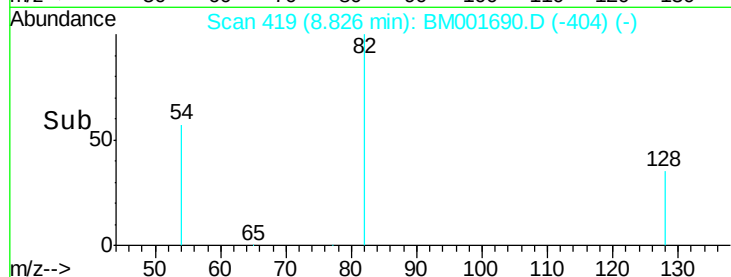
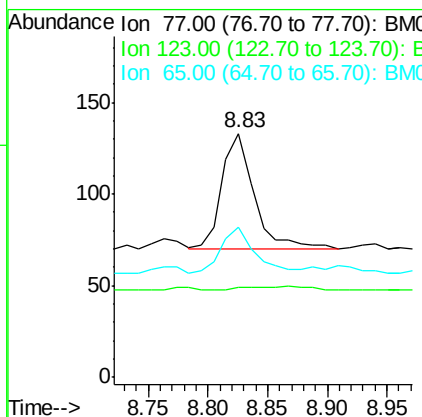
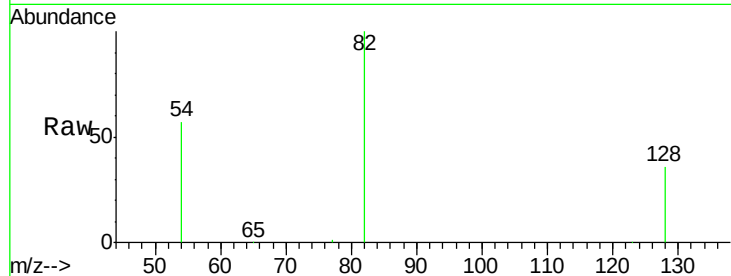




#8
 Nitrobenzene
 Concen: 0.03 ng
 RT: 8.83 min Scan# 419
 Delta R.T. -0.04 min
 Lab File: BM001690.D
 Acq: 13 Jun 2015 03:35

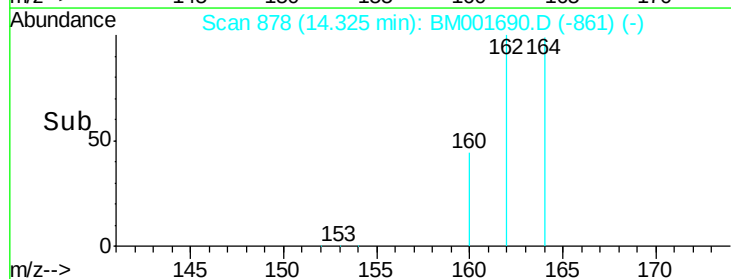
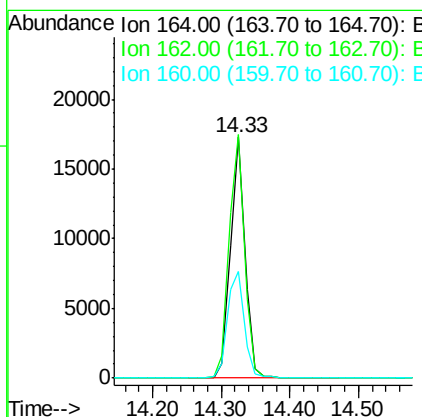
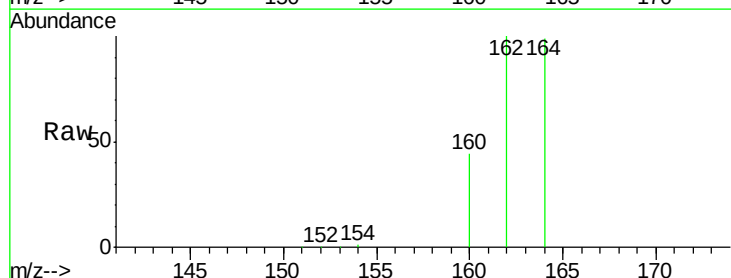
Instrument :
 BNA_M
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 061115-P22-F-D-S

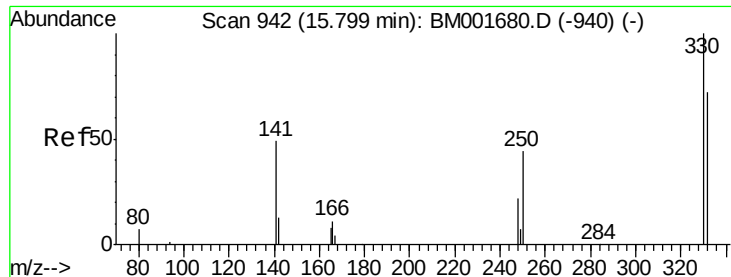
Tgt Ion: 77 Resp: 119
 Ion Ratio Lower Upper
 77 100
 123 0.0 30.6 46.0#
 65 41.2 11.5 17.3#



#12
 Acenaphthene-d10
 Concen: 5.00 ng
 RT: 14.33 min Scan# 878
 Delta R.T. 0.00 min
 Lab File: BM001690.D
 Acq: 13 Jun 2015 03:35

Tgt Ion: 164 Resp: 25167
 Ion Ratio Lower Upper
 164 100
 162 101.3 82.0 123.0
 160 44.6 36.6 55.0

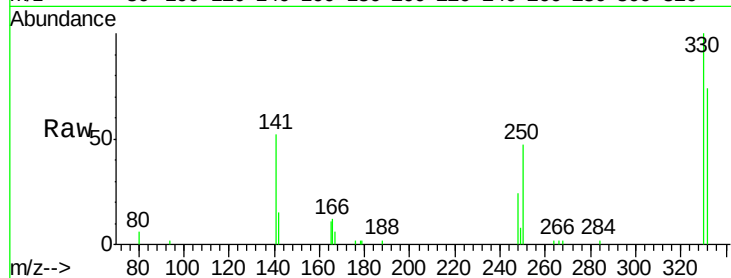




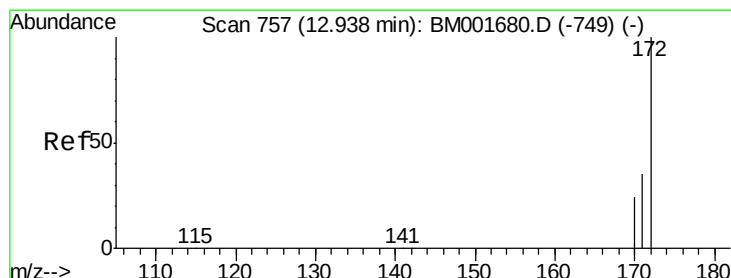
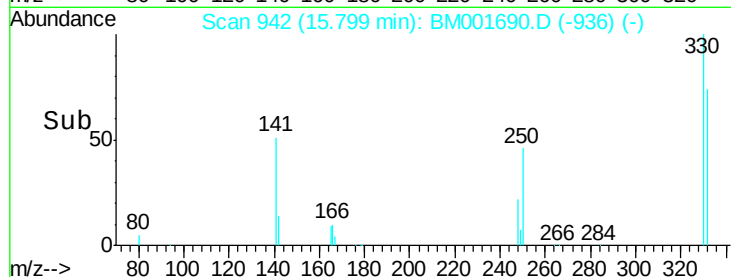
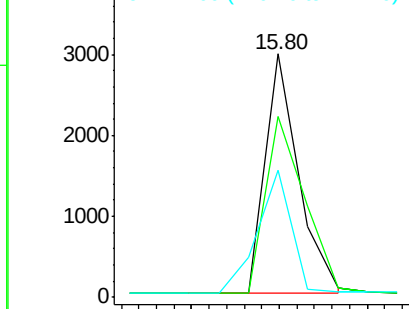
#13
 2,4,6-Tribromophenol
 Concen: 13.37 ng
 RT: 15.80 min Scan# 942
 Delta R.T. 0.00 min
 Lab File: BM001690.D
 Acq: 13 Jun 2015 03:35

Instrument :
 BNA_M
 ClientSampleId :
 061115-P22-F-D-S

Tgt Ion: 330 Resp: 7863
 Ion Ratio Lower Upper
 330 100
 332 86.4 68.6 103.0
 141 52.2 39.0 58.4

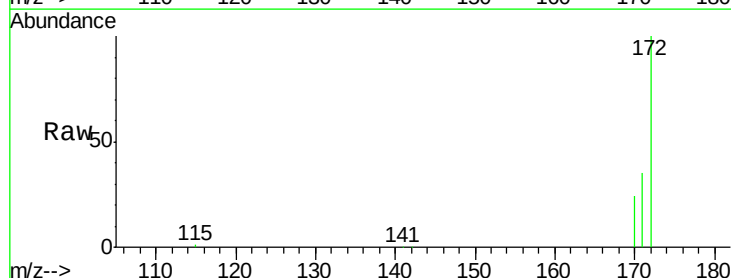


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

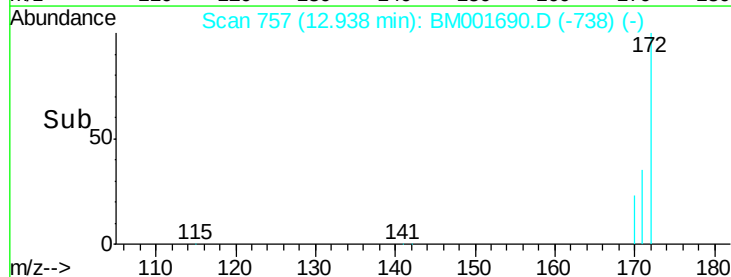
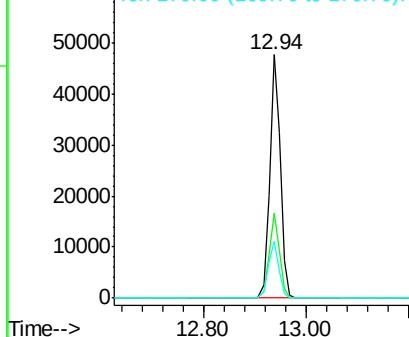


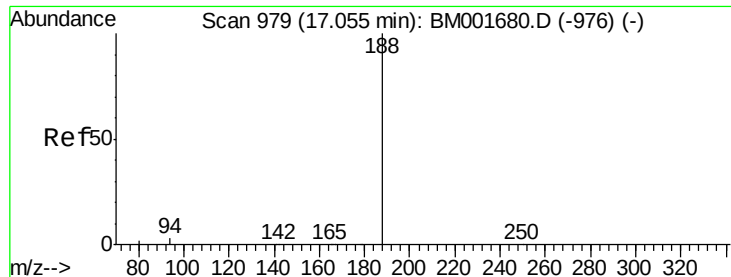
#14
 2-Fluorobiphenyl
 Concen: 7.78 ng
 RT: 12.94 min Scan# 757
 Delta R.T. 0.00 min
 Lab File: BM001690.D
 Acq: 13 Jun 2015 03:35

Tgt Ion: 172 Resp: 69443
 Ion Ratio Lower Upper
 172 100
 171 35.0 28.4 42.6
 170 23.5 19.5 29.3



Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E

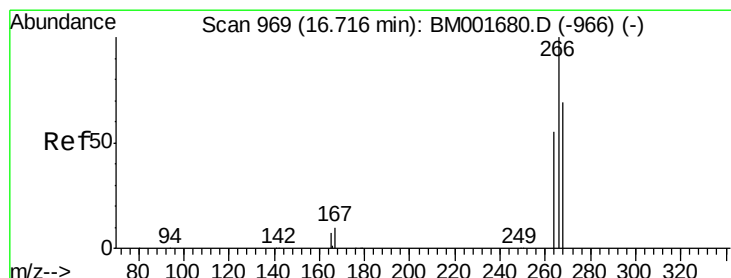
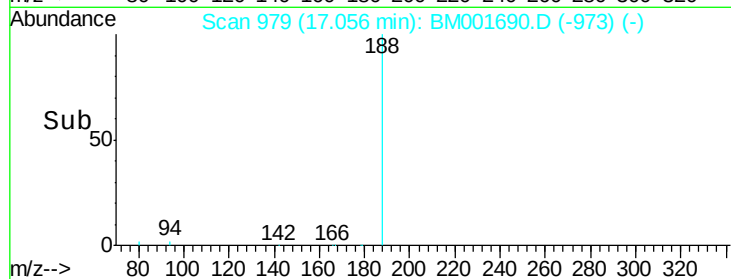
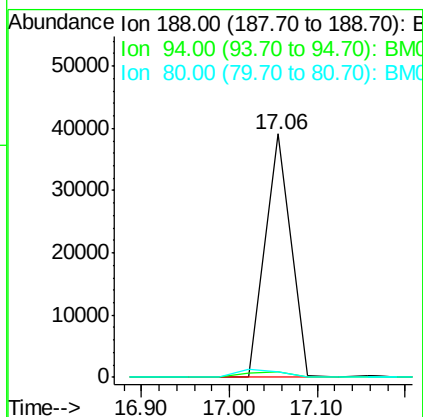
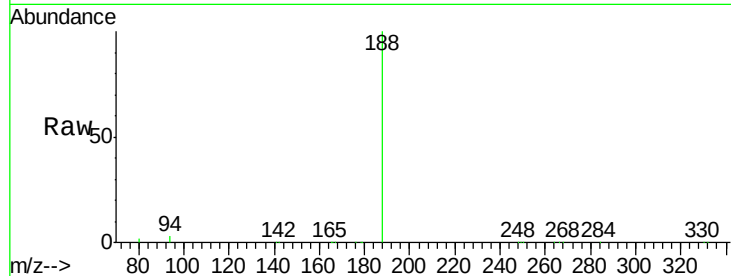




#18
Phenanthrene-d10
Concen: 5.00 ng
RT: 17.06 min Scan# 979
Delta R.T. 0.00 min
Lab File: BM001690.D
Acq: 13 Jun 2015 03:35

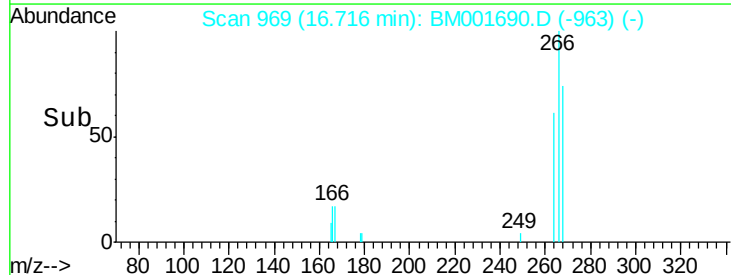
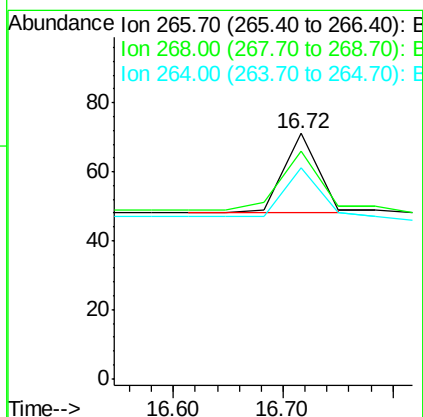
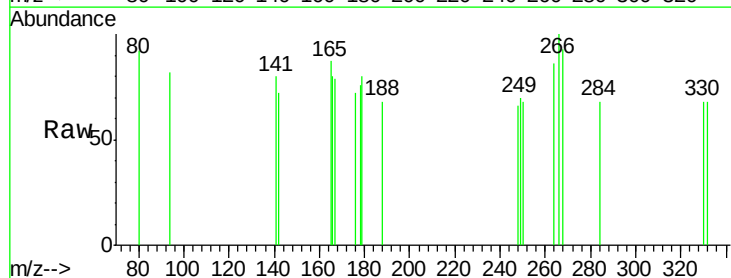
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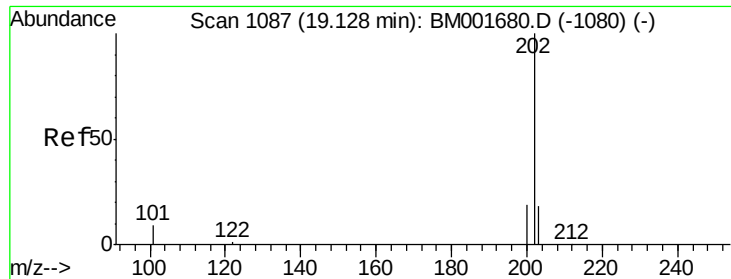
Tgt Ion:188 Resp: 80112
Ion Ratio Lower Upper
188 100
94 2.5 2.2 3.2
80 2.2 1.8 2.8



#21
Pentachlorophenol
Concen: 0.34 ng
RT: 16.72 min Scan# 969
Delta R.T. 0.00 min
Lab File: BM001690.D
Acq: 13 Jun 2015 03:35

Tgt Ion:266 Resp: 51
Ion Ratio Lower Upper
266 100
268 93.0 57.2 85.8#
264 85.9 46.3 69.5#





#24

Fluoranthene

Concen: 0.03 ng

RT: 19.13 min Scan# 1087

Delta R.T. 0.00 min

Lab File: BM001690.D

Acq: 13 Jun 2015 03:35

Instrument :

BNA_M

ClientSampleId :

061115-P22-F-D-S

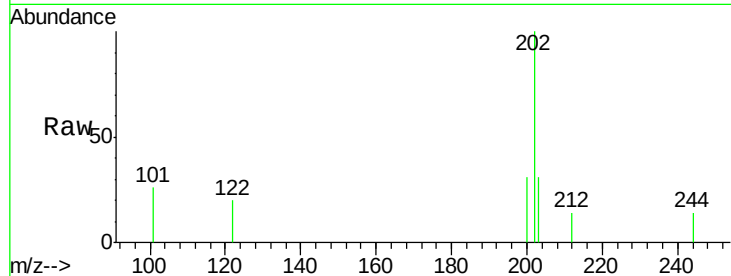
Tgt Ion:202 Resp: 407

Ion Ratio Lower Upper

202 100

101 17.4 10.3 15.5#

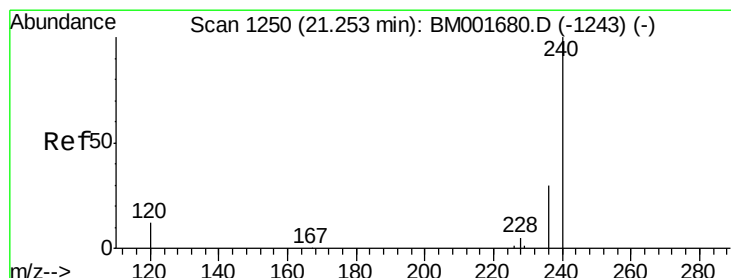
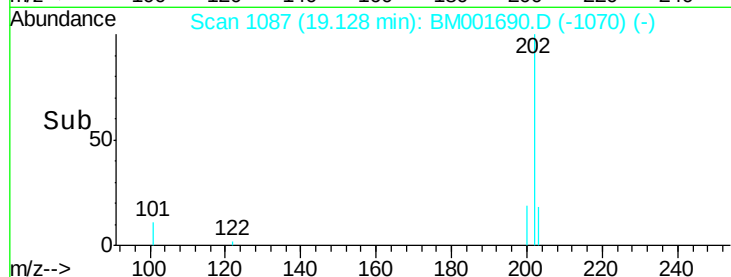
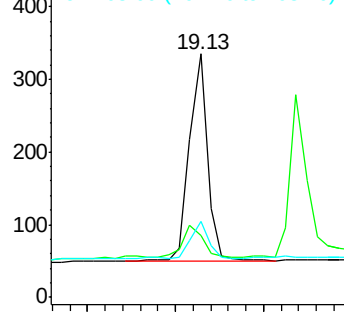
203 18.7 13.8 20.6



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



#25

Chrysene-d12

Concen: 5.00 ng

RT: 21.25 min Scan# 1250

Delta R.T. 0.00 min

Lab File: BM001690.D

Acq: 13 Jun 2015 03:35

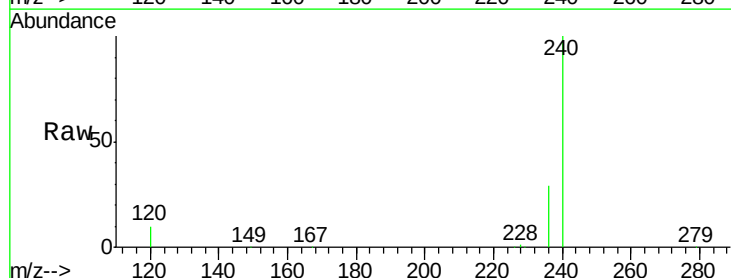
Tgt Ion:240 Resp: 46010

Ion Ratio Lower Upper

240 100

120 10.3 9.9 14.9

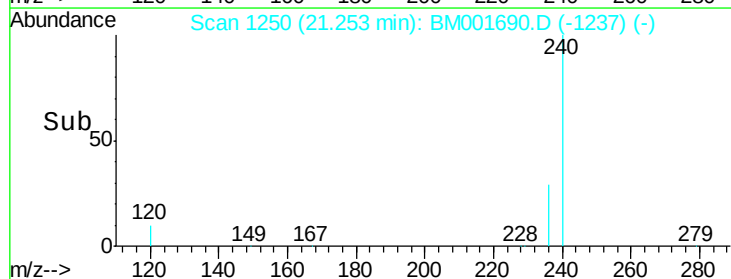
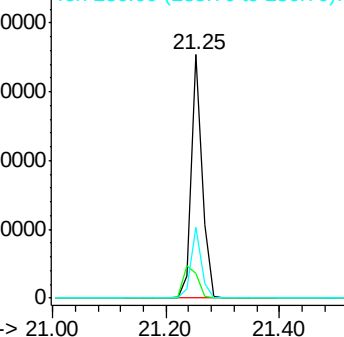
236 29.3 23.9 35.9

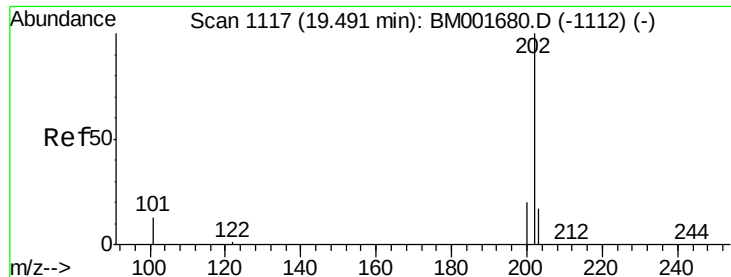


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#26

Pyrene

Concen: 0.03 ng

RT: 19.49 min Scan# 1117

Delta R.T. 0.00 min

Lab File: BM001690.D

Acq: 13 Jun 2015 03:35

Instrument :

BNA_M

ClientSampleId :

061115-P22-F-D-S

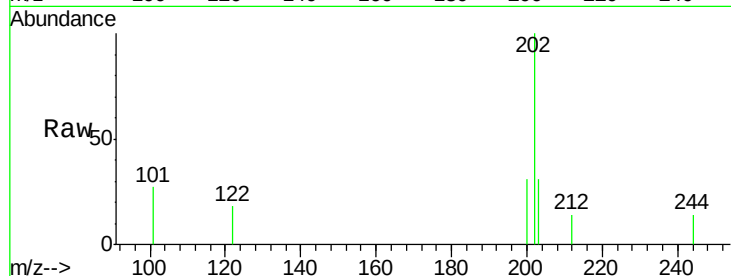
Tgt Ion:202 Resp: 413

Ion Ratio Lower Upper

202 100

200 20.3 16.8 25.2

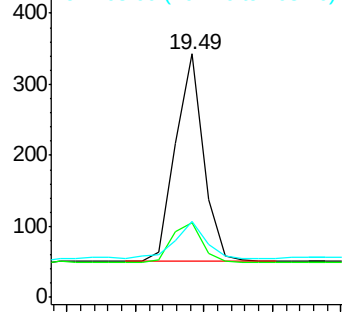
203 19.4 13.6 20.4



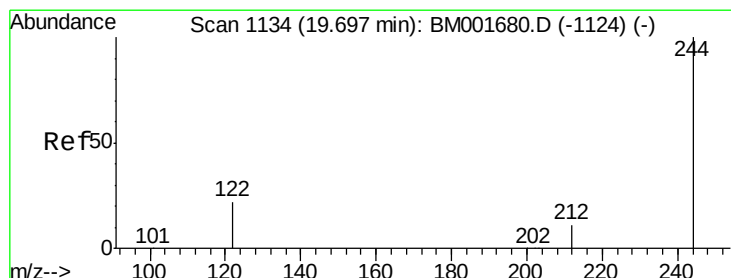
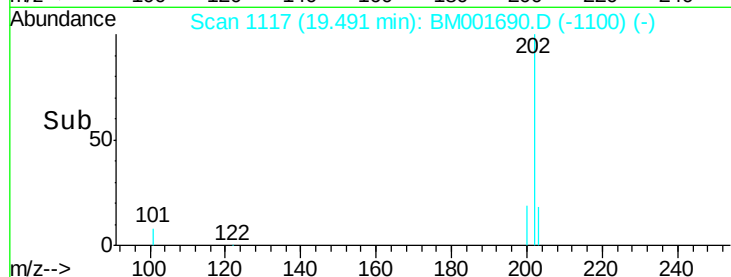
Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E



Time--> 19.40 19.45 19.50 19.55



#27

Terphenyl-d14

Concen: 8.52 ng

RT: 19.70 min Scan# 1134

Delta R.T. 0.00 min

Lab File: BM001690.D

Acq: 13 Jun 2015 03:35

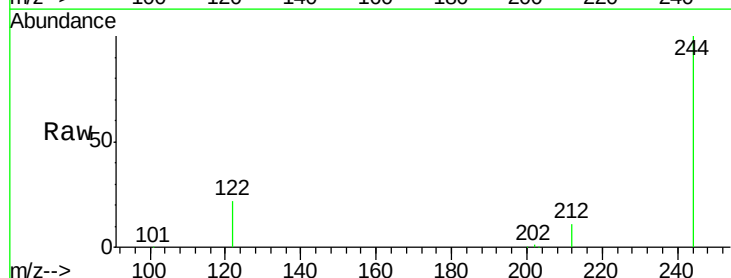
Tgt Ion:244 Resp: 58595

Ion Ratio Lower Upper

244 100

212 11.3 9.6 14.4

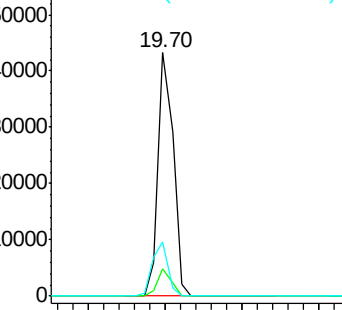
122 22.4 18.4 27.6



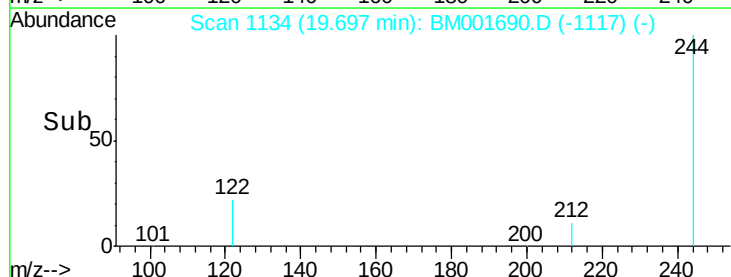
Abundance Ion 244.00 (243.70 to 244.70): E

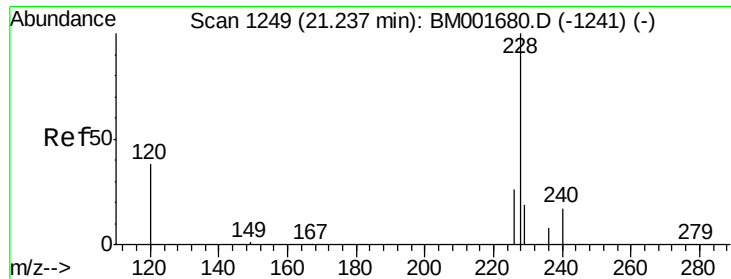
Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E



Time--> 19.60 19.70 19.80 19.90





#28

Benzo(a)anthracene

Concen: 0.04 ng

RT: 21.24 min Scan# 1249

Delta R.T. 0.00 min

Lab File: BM001690.D

Acq: 13 Jun 2015 03:35

Instrument :

BNA_M

ClientSampleId :

061115-P22-F-D-S

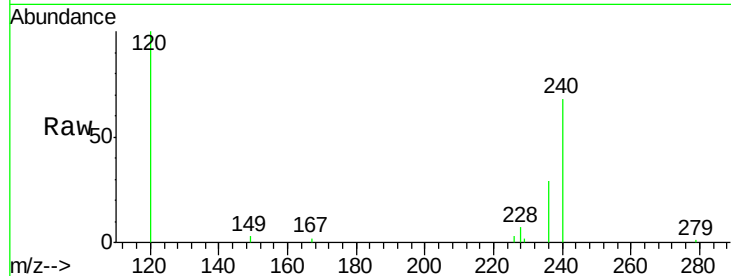
Tgt Ion:228 Resp: 547

Ion Ratio Lower Upper

228 100

226 34.8 21.0 31.4#

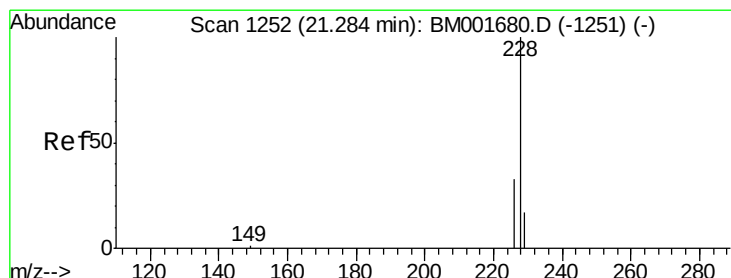
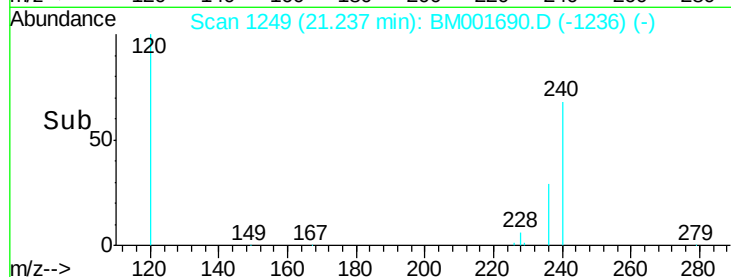
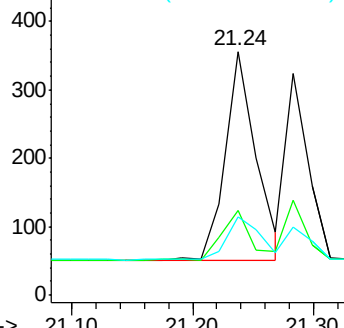
229 32.3 15.8 23.8#



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



#29

Chrysene

Concen: 0.03 ng

RT: 21.28 min Scan# 1252

Delta R.T. 0.00 min

Lab File: BM001690.D

Acq: 13 Jun 2015 03:35

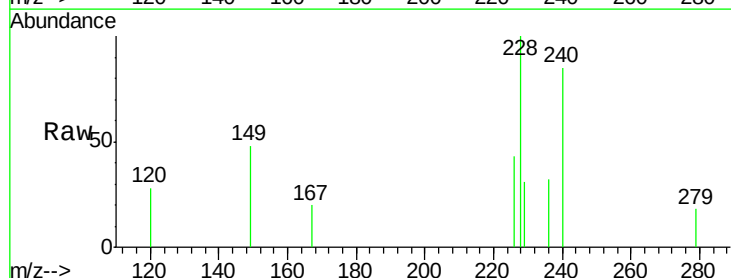
Tgt Ion:228 Resp: 358

Ion Ratio Lower Upper

228 100

226 42.9 27.4 41.0#

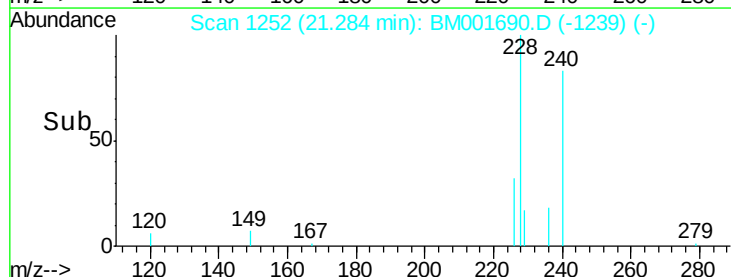
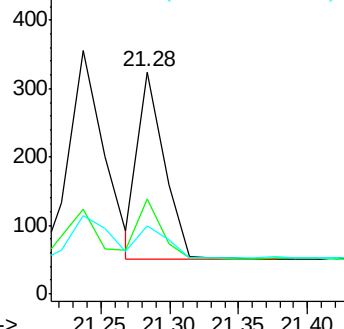
229 30.6 13.7 20.5#

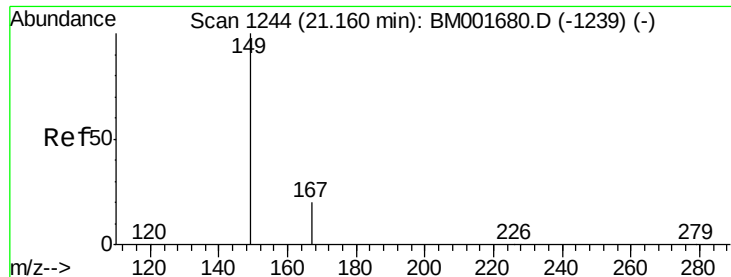


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#30

Bis(2-ethylhexyl)phthalate

Concen: 0.42 ng

RT: 21.16 min Scan# 1244

Delta R.T. 0.00 min

Lab File: BM001690.D

Acq: 13 Jun 2015 03:35

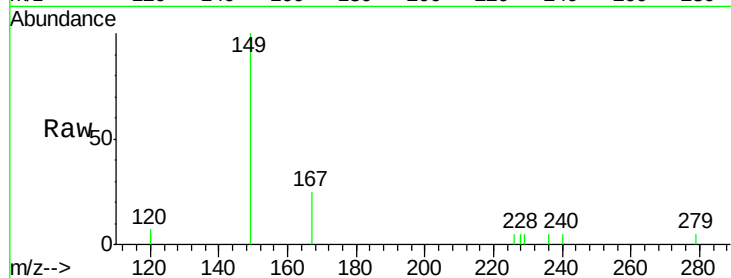
Instrument :

BNA_M

ClientSampleId :

061115-P22-F-D-S

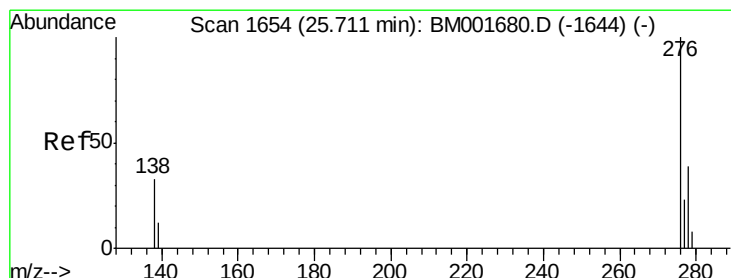
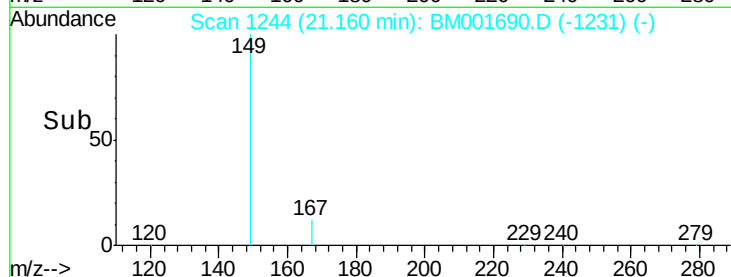
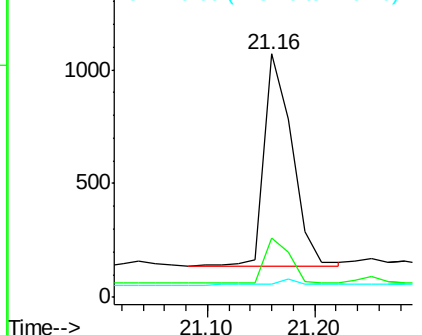
Tgt Ion:	149	Resp:	1681
Ion Ratio	Lower	Upper	
149	100		
167	19.1	20.4	30.6#
279	2.4	1.7	2.5



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



#31

Indeno(1,2,3-cd)pyrene

Concen: 0.02 ng

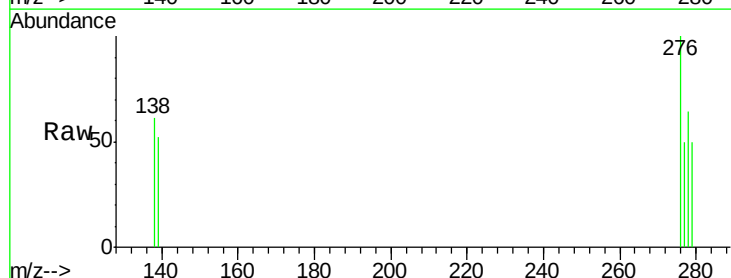
RT: 25.71 min Scan# 1654

Delta R.T. 0.00 min

Lab File: BM001690.D

Acq: 13 Jun 2015 03:35

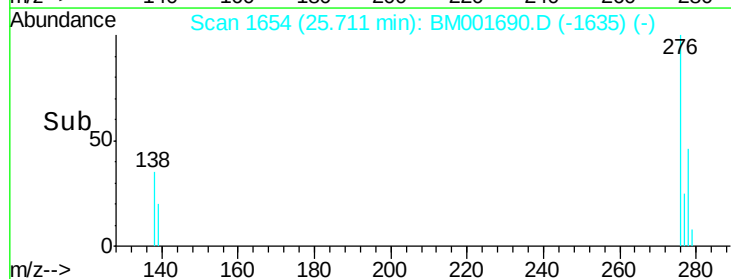
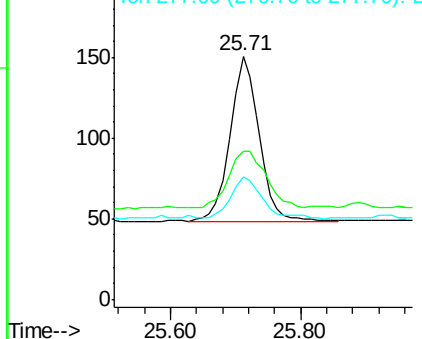
Tgt Ion:	276	Resp:	322
Ion Ratio	Lower	Upper	
276	100		
138	44.1	27.8	41.8#
277	27.3	19.7	29.5

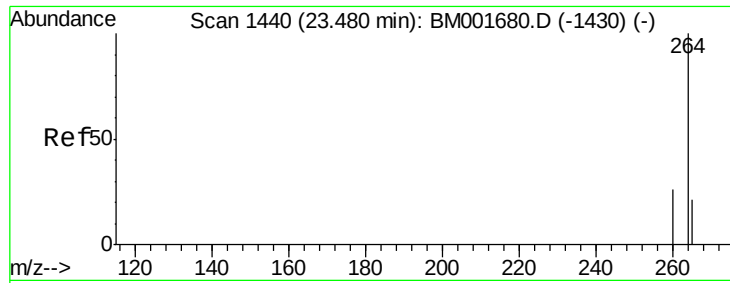


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E

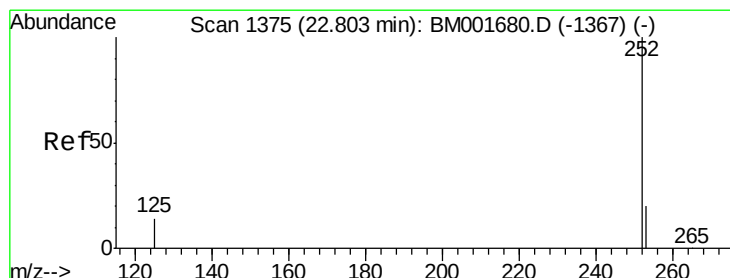
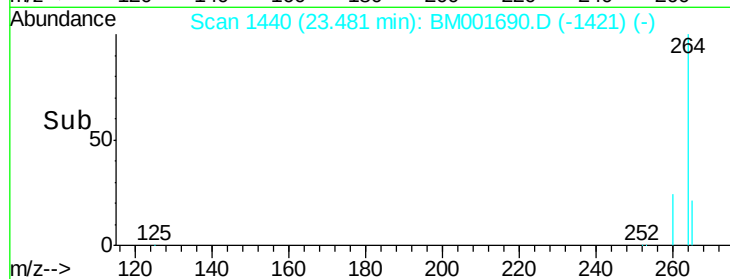
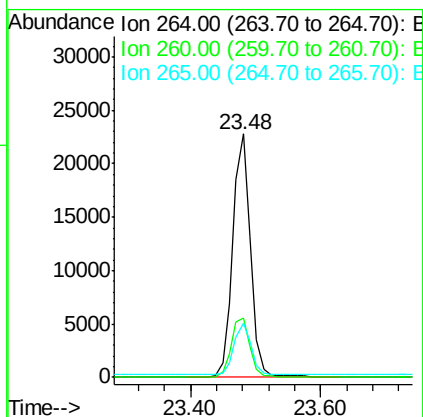
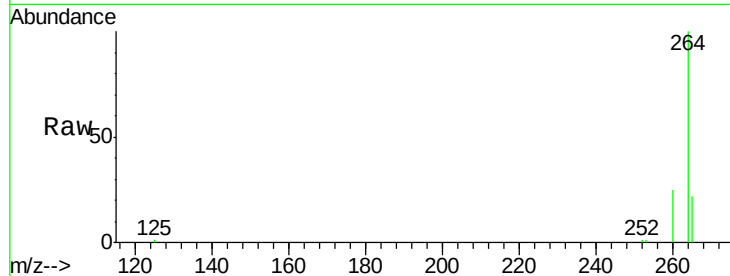




#32
Perylene-d12
 Concen: 5.00 ng
 RT: 23.48 min Scan# 1440
 Delta R.T. 0.00 min
 Lab File: BM001690.D
 Acq: 13 Jun 2015 03:35

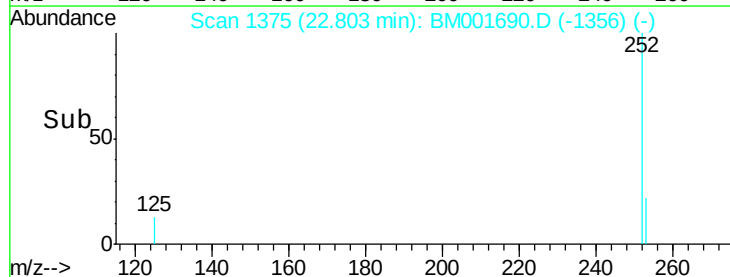
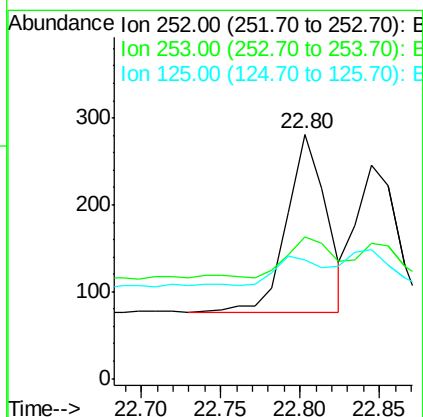
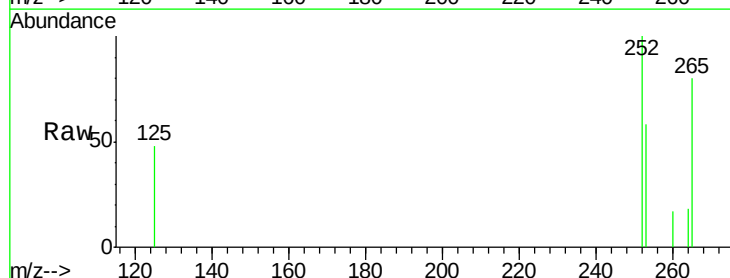
Instrument :
 BNA_M
 ClientSampleId :
 061115-P22-F-D-S

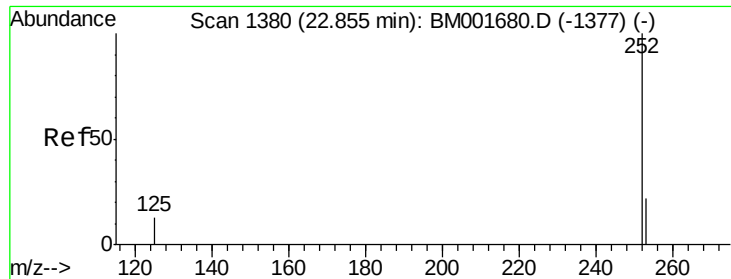
Tgt Ion: 264 Resp: 42234
 Ion Ratio Lower Upper
 264 100
 260 24.6 20.8 31.2
 265 22.1 17.3 25.9



#33
Benzo(b)fluoranthene
 Concen: 0.03 ng
 RT: 22.80 min Scan# 1375
 Delta R.T. 0.00 min
 Lab File: BM001690.D
 Acq: 13 Jun 2015 03:35

Tgt Ion: 252 Resp: 355
 Ion Ratio Lower Upper
 252 100
 253 58.0 17.4 26.0#
 125 48.4 12.3 18.5#





#34

Benzo(k)fluoranthene

Concen: 0.02 ng

RT: 22.84 min Scan# 1379

Delta R.T. -0.01 min

Lab File: BM001690.D

Acq: 13 Jun 2015 03:35

Instrument :

BNA_M

ClientSampleId :

061115-P22-F-D-S

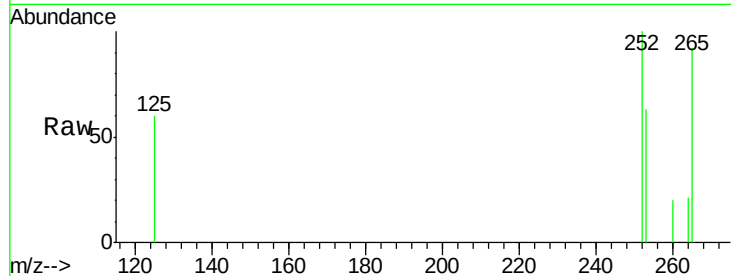
Tgt Ion: 252 Resp: 311

Ion Ratio Lower Upper

252 100

253 63.4 19.4 29.0#

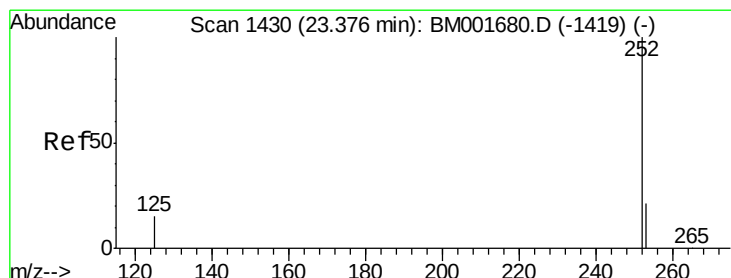
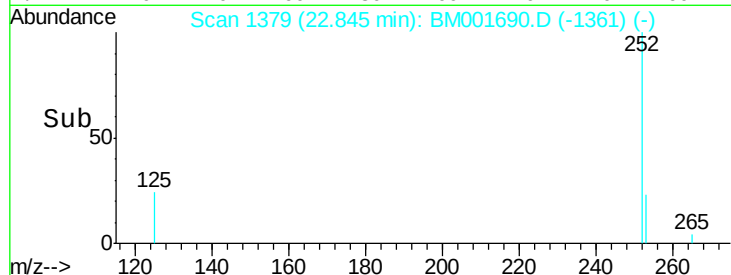
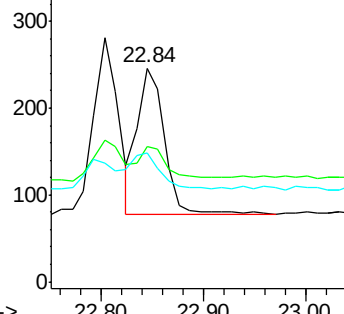
125 60.2 11.0 16.4#



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



#35

Benzo(a)pyrene

Concen: 0.02 ng

RT: 23.38 min Scan# 1430

Delta R.T. 0.00 min

Lab File: BM001690.D

Acq: 13 Jun 2015 03:35

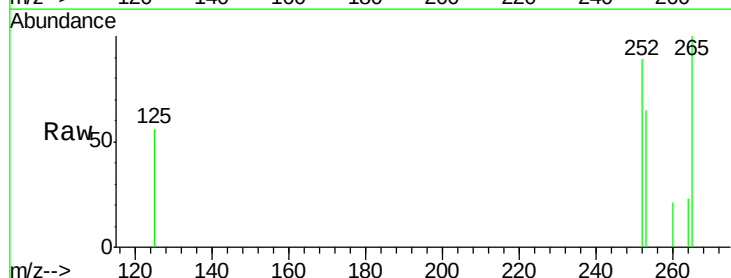
Tgt Ion: 252 Resp: 248

Ion Ratio Lower Upper

252 100

253 73.3 17.8 26.8#

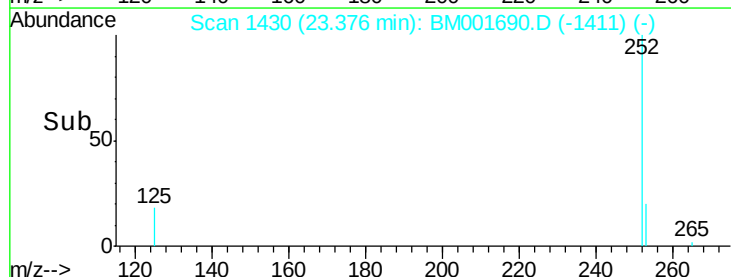
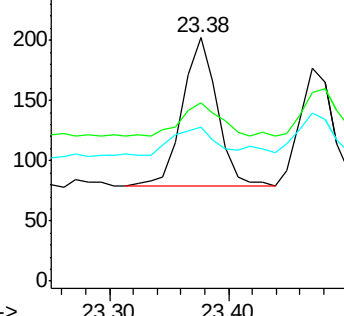
125 63.4 13.4 20.2#

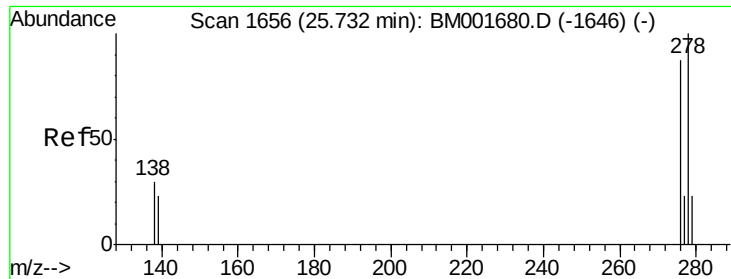


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#36

Dibenzo(a,h)anthracene

Concen: 0.02 ng

RT: 25.73 min Scan# 1656

Delta R.T. 0.00 min

Lab File: BM001690.D

Acq: 13 Jun 2015 03:35

Instrument :

BNA_M

ClientSampleId :

061115-P22-F-D-S

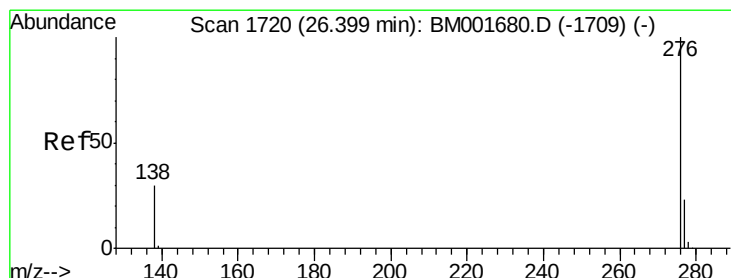
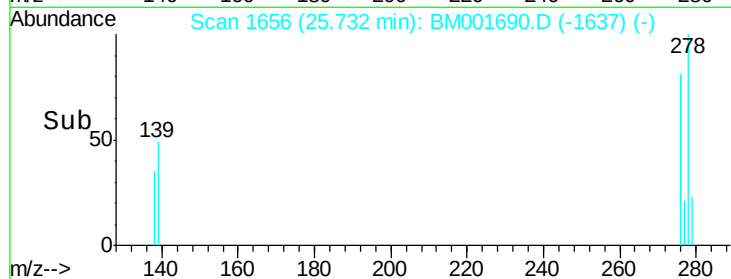
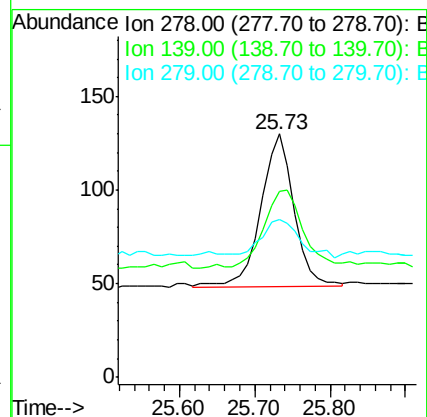
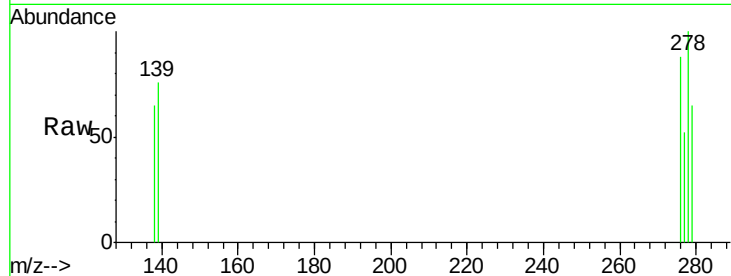
Tgt Ion: 278 Resp: 247

Ion Ratio Lower Upper

278 100

139 76.2 19.4 29.0#

279 64.6 19.4 29.2#



#37

Benzo(g,h,i)perylene

Concen: 0.03 ng

RT: 26.40 min Scan# 1720

Delta R.T. 0.00 min

Lab File: BM001690.D

Acq: 13 Jun 2015 03:35

Tgt Ion: 276 Resp: 305

Ion Ratio Lower Upper

276 100

277 52.2 19.0 28.4#

138 60.3 25.0 37.6#

