

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM013016\
 Data File : BM004152.D
 Acq On : 29 Jan 2016 18:37
 Operator : SJ/IZ
 Sample : H1281-07
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 YT-MW01

Quant Time: Jan 29 22:15:13 2016
 Quant Method : Z:\HPCHEM1\BNA_M\METHODS\8270-SIM-BM012216.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Jan 22 14:46:41 2016
 Response via : Initial Calibration

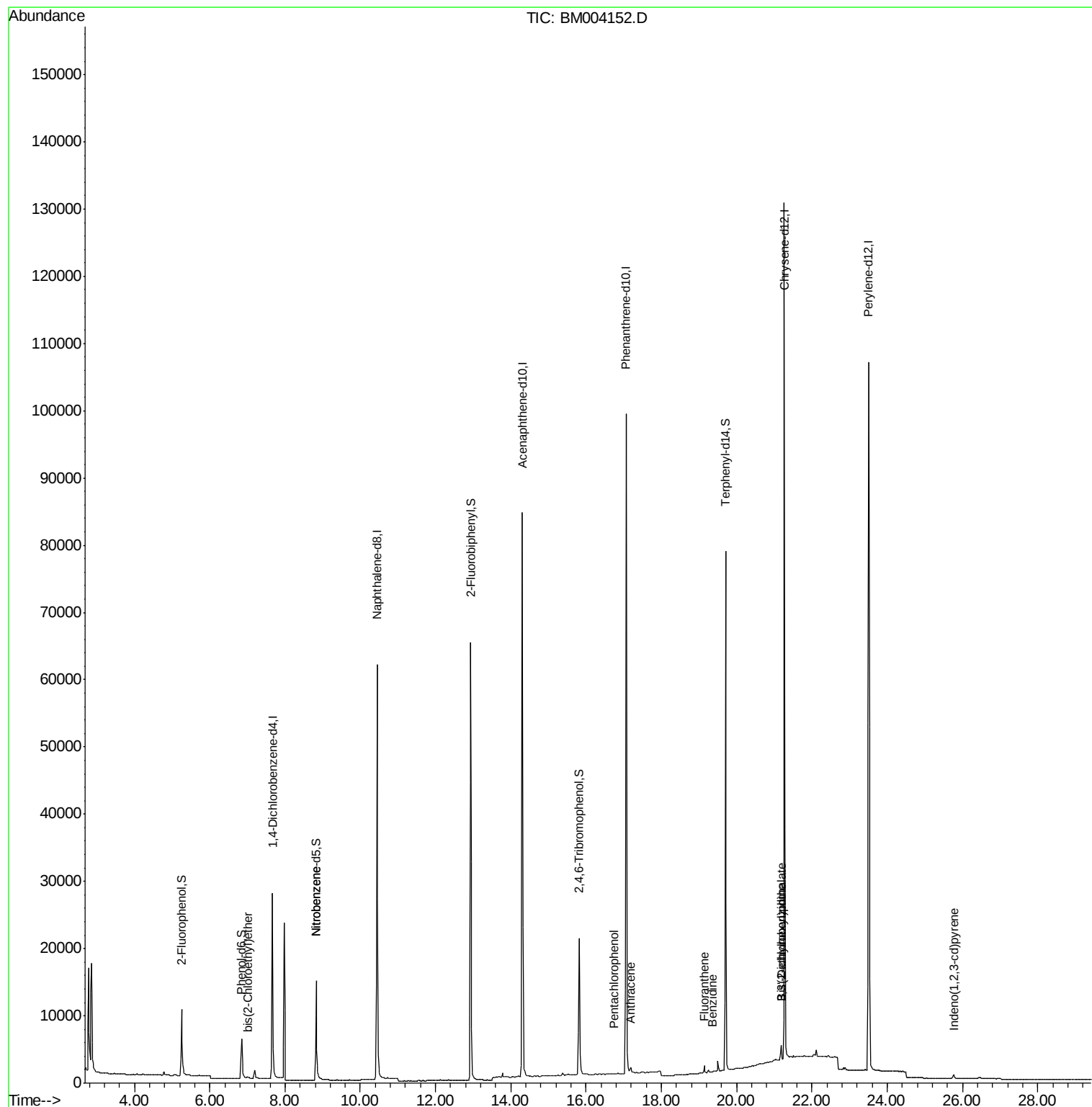
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.67	152	19741	5.00	ng	0.00
7) Naphthalene-d8	10.44	136	91681	5.00	ng	0.00
13) Acenaphthene-d10	14.31	164	52619	5.00	ng	0.00
19) Phenanthrene-d10	17.06	188	151531	5.00	ng	0.00
26) Chrysene-d12	21.27	240	143103	5.00	ng	0.00
35) Perylene-d12	23.51	264	147276	5.00	ng	0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.25	112	10634	2.58	ng	-0.02
5) Phenol-d6	6.85	99	9188	1.85	ng	0.00
8) Nitrobenzene-d5	8.83	82	16460	4.10	ng	0.00
14) 2,4,6-Tribromophenol	15.82	330	14768	7.18	ng	0.00
15) 2-Fluorobiphenyl	12.93	172	66363	4.12	ng	0.00
29) Terphenyl-d14	19.71	244	88862	4.88	ng	0.00
Target Compounds						
6) bis(2-Chloroethyl)ether	7.00	93	468	0.10	ng	# 26
9) Nitrobenzene	8.83	77	73	0.23	ng	# 23
22) Pentachlorophenol	16.73	266	98	0.29	ng	# 74
23) Phenanthrene	17.09	178	794	Below Cal		# 75
24) Anthracene	17.19	178	1034	0.03	ng	97
25) Fluoranthene	19.14	202	1136	0.03	ng	# 89
27) Benzydine	19.36	184	286	0.15	ng	# 1
30) Benzo(a)anthracene	21.27	228	1574	Below Cal		# 43
31) 3,3'-Dichlorobenzidine	21.19	252	172	0.04	ng	# 49
32) Chrysene	21.27	228	1517	Below Cal		# 56
33) Bis(2-ethylhexyl)phthalate	21.19	149	2960	0.25	ng	# 94
34) Indeno(1,2,3-cd)pyrene	25.77	276	605	0.03	ng	92

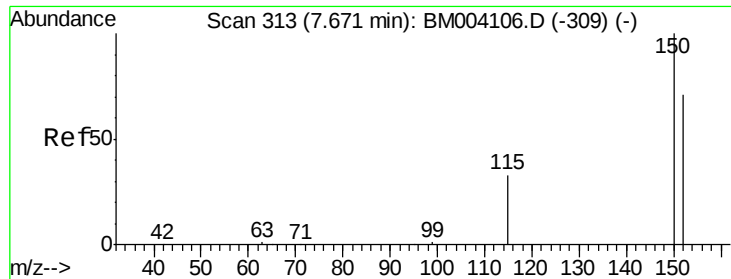
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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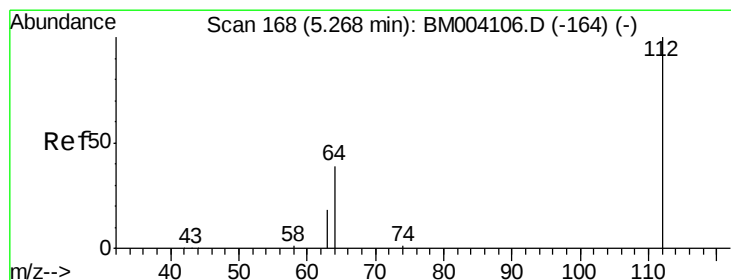
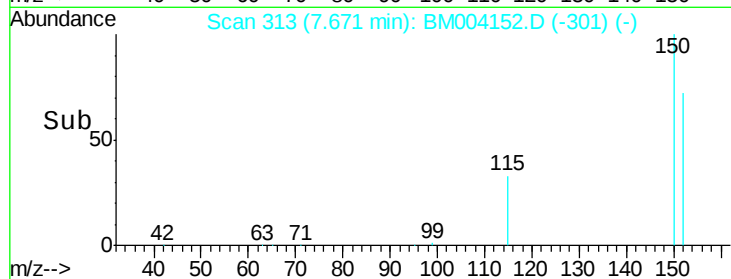
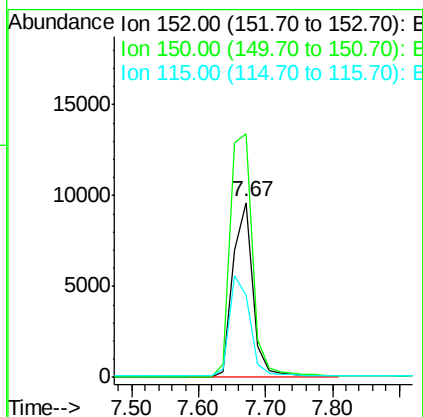
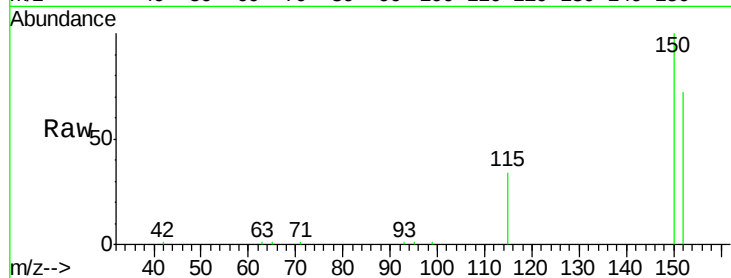


#1

1,4-Dichlorobenzene-d4
Concen: 5.00 ng
RT: 7.67 min Scan# 313
Delta R.T. 0.00 min
Lab File: BM004152.D
Acq: 29 Jan 2016 18:37

Instrument :
BNA_M
ClientSampleId :
YT-MW01

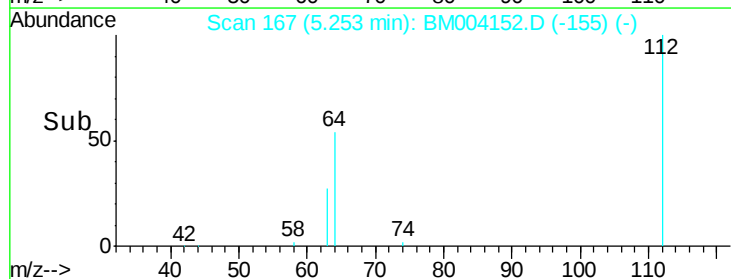
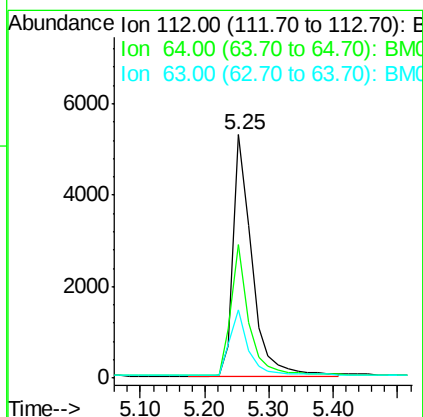
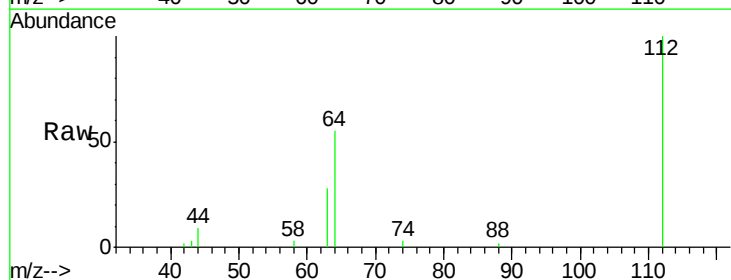
Tgt Ion:152 Resp: 19741
Ion Ratio Lower Upper
152 100
150 139.2 122.9 184.3
115 46.9 44.4 66.6

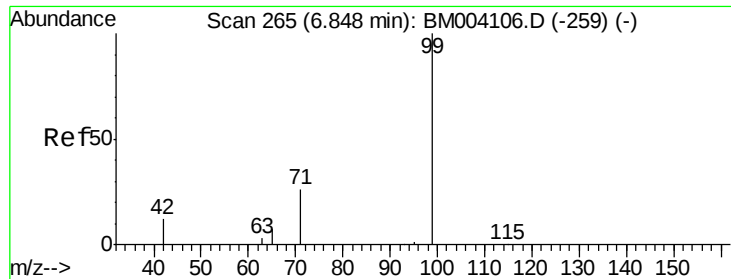


#4

2-Fluorophenol
Concen: 2.58 ng
RT: 5.25 min Scan# 167
Delta R.T. -0.02 min
Lab File: BM004152.D
Acq: 29 Jan 2016 18:37

Tgt Ion:112 Resp: 10634
Ion Ratio Lower Upper
112 100
64 52.0 41.8 62.8
63 27.5 22.1 33.1





#5

Phenol-d6

Concen: 1.85 ng

RT: 6.85 min Scan# 265

Delta R.T. 0.00 min

Lab File: BM004152.D

Acq: 29 Jan 2016 18:37

Instrument :

BNA_M

ClientSampleId :

YT-MW01

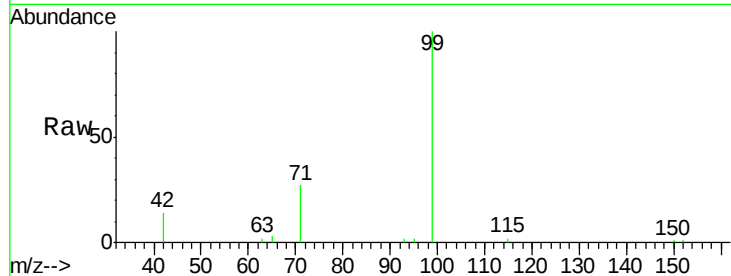
Tgt Ion: 99 Resp: 9188

Ion Ratio Lower Upper

99 100

42 17.8 16.2 24.2

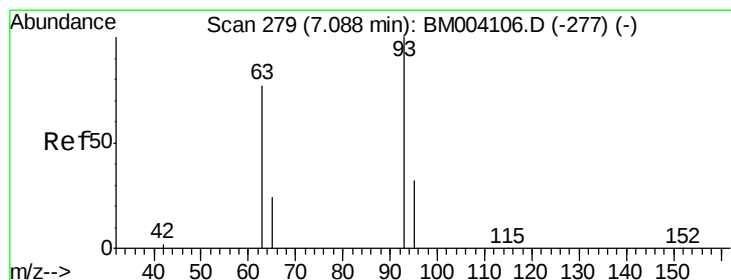
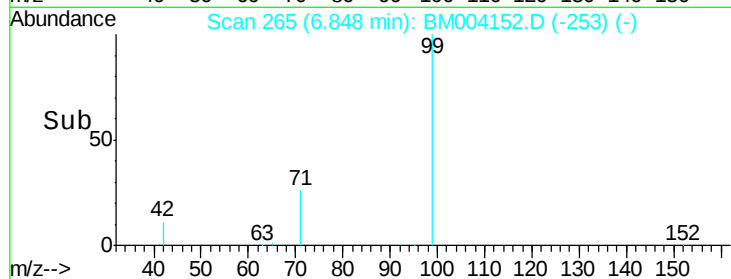
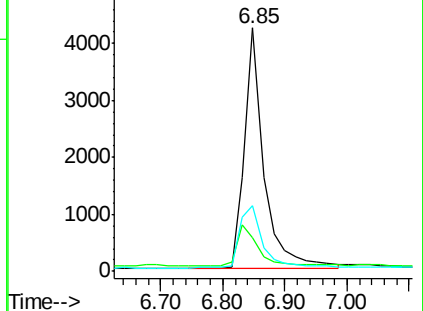
71 31.8 24.4 36.6



Abundance Ion 99.00 (98.70 to 99.70): BM004106.D (-259) (-)

Ion 42.00 (41.70 to 42.70): BM004106.D (-259) (-)

Ion 71.00 (70.70 to 71.70): BM004106.D (-259) (-)



#6

bis(2-Chloroethyl)ether

Concen: 0.10 ng

RT: 7.00 min Scan# 274

Delta R.T. -0.09 min

Lab File: BM004152.D

Acq: 29 Jan 2016 18:37

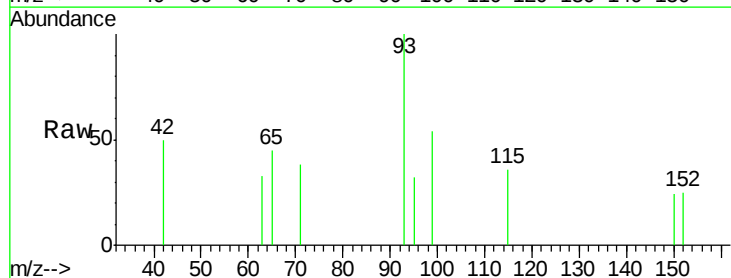
Tgt Ion: 93 Resp: 468

Ion Ratio Lower Upper

93 100

63 3.4 58.3 87.5#

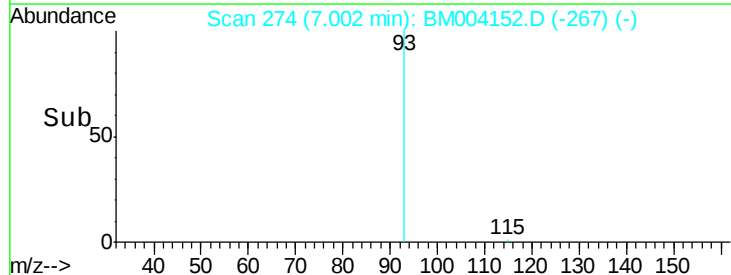
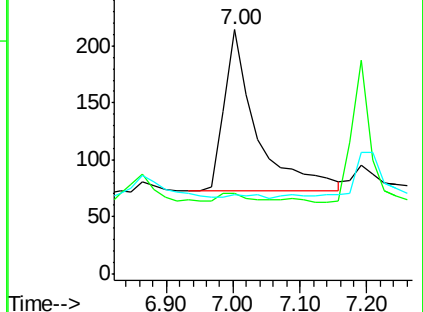
95 1.7 25.8 38.8#

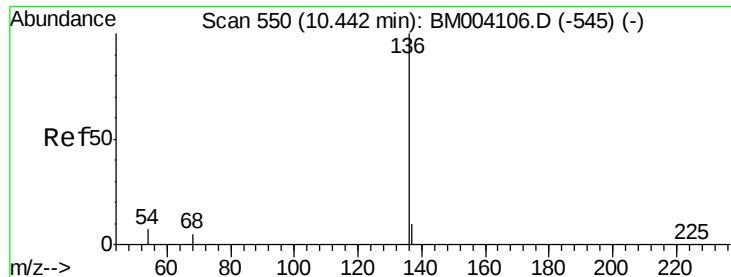


Abundance Ion 93.00 (92.70 to 93.70): BM004106.D (-277) (-)

Ion 63.00 (62.70 to 63.70): BM004106.D (-277) (-)

Ion 95.00 (94.70 to 95.70): BM004106.D (-277) (-)





#7

Naphthalene-d8

Concen: 5.00 ng

RT: 10.44 min Scan# 550

Delta R.T. 0.00 min

Lab File: BM004152.D

Acq: 29 Jan 2016 18:37

Instrument :

BNA_M

ClientSampleId :

YT-MW01

Tgt Ion:136 Resp: 91681

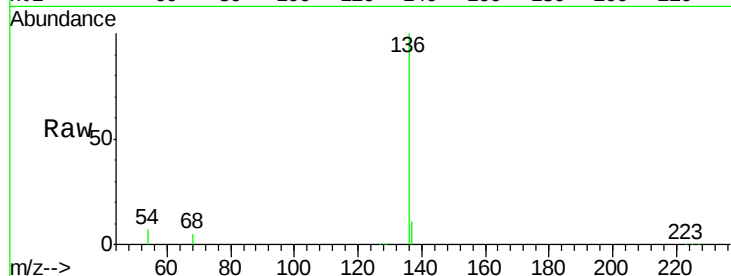
Ion Ratio Lower Upper

136 100

137 10.6 9.2 13.8

54 6.7 2.8 4.2#

68 5.1 2.5 3.7#

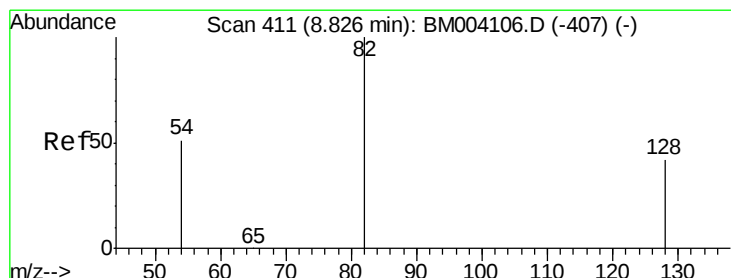
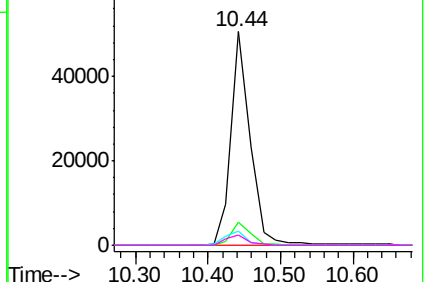
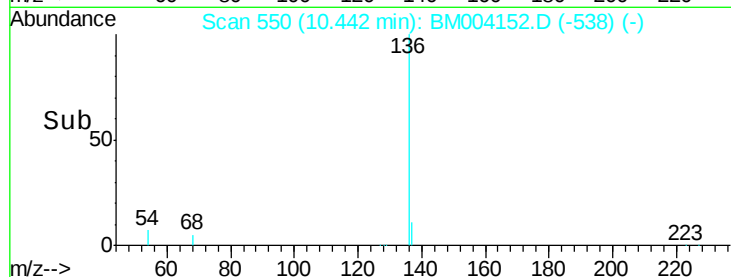


Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BM

Ion 68.00 (67.70 to 68.70): BM



#8

Nitrobenzene-d5

Concen: 4.10 ng

RT: 8.83 min Scan# 411

Delta R.T. 0.00 min

Lab File: BM004152.D

Acq: 29 Jan 2016 18:37

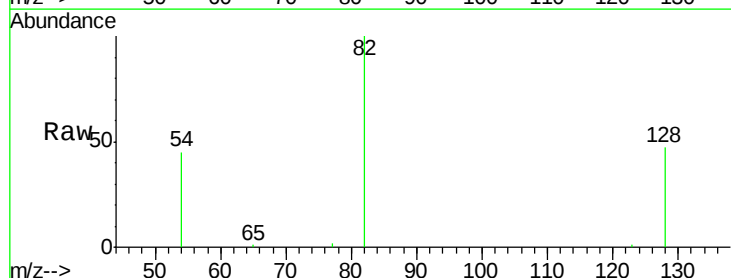
Tgt Ion: 82 Resp: 16460

Ion Ratio Lower Upper

82 100

128 47.3 39.1 58.7

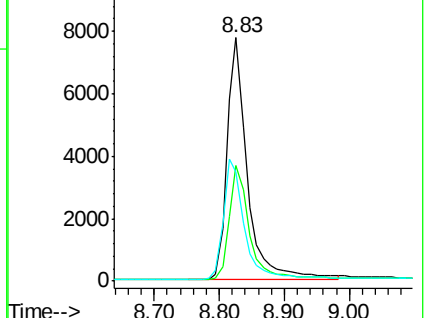
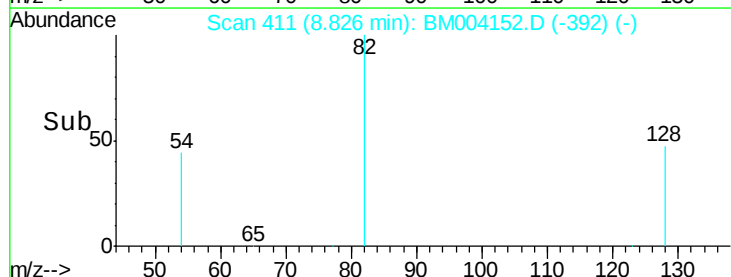
54 44.9 34.8 52.2

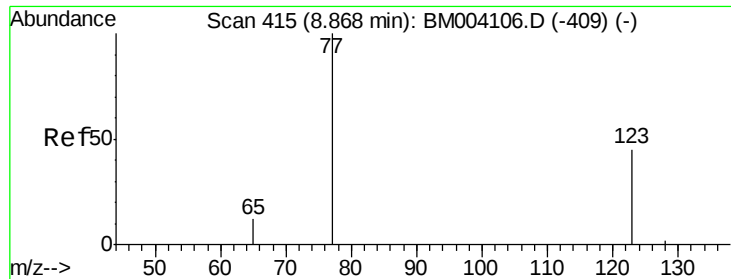


Abundance Ion 82.00 (81.70 to 82.70): BM

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BM





#9

Nitrobenzene

Concen: 0.23 ng

RT: 8.83 min Scan# 411

Delta R.T. -0.04 min

Lab File: BM004152.D

Acq: 29 Jan 2016 18:37

Instrument :

BNA_M

ClientSampleId :

YT-MW01

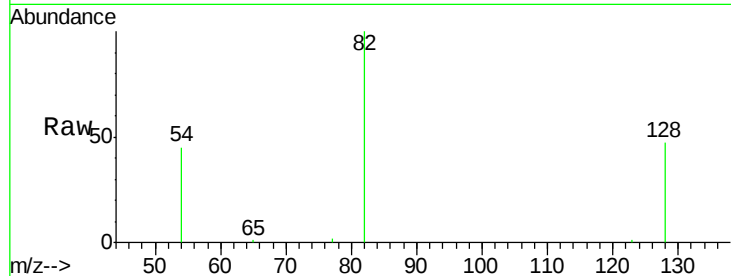
Tgt Ion: 77 Resp: 73

Ion Ratio Lower Upper

77 100

123 0.0 38.6 57.8#

65 50.7 9.9 14.9#



Abundance Ion 77.00 (76.70 to 77.70): BM004106.D (-409) (-)

Ion 123.00 (122.70 to 123.70): BM004106.D (-409) (-)

Ion 65.00 (64.70 to 65.70): BM004106.D (-409) (-)

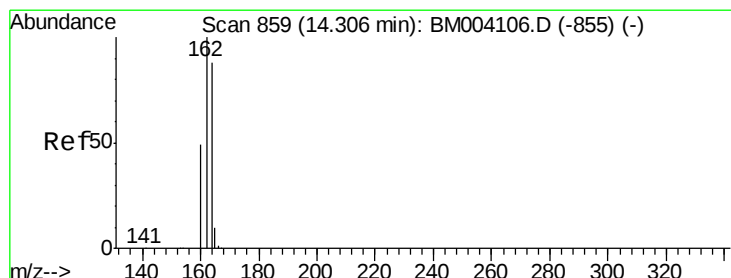
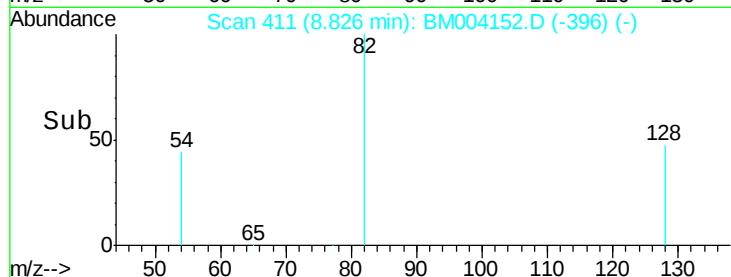
8.83

100

50

0

Time-->



#13

Acenaphthene-d10

Concen: 5.00 ng

RT: 14.31 min Scan# 859

Delta R.T. 0.00 min

Lab File: BM004152.D

Acq: 29 Jan 2016 18:37

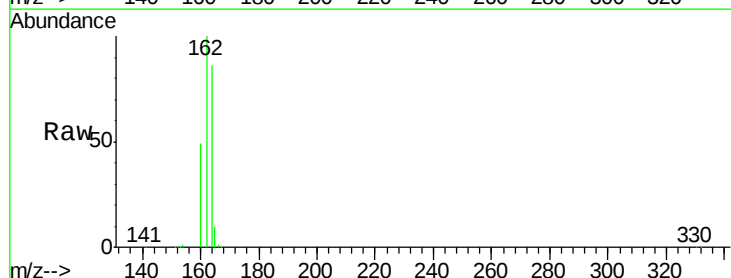
Tgt Ion: 164 Resp: 52619

Ion Ratio Lower Upper

164 100

162 116.8 86.0 129.0

160 57.5 40.3 60.5



Abundance Ion 164.00 (163.70 to 164.70): BM004106.D (-855) (-)

Ion 162.00 (161.70 to 162.70): BM004106.D (-855) (-)

Ion 160.00 (159.70 to 160.70): BM004106.D (-855) (-)

14.31

40000

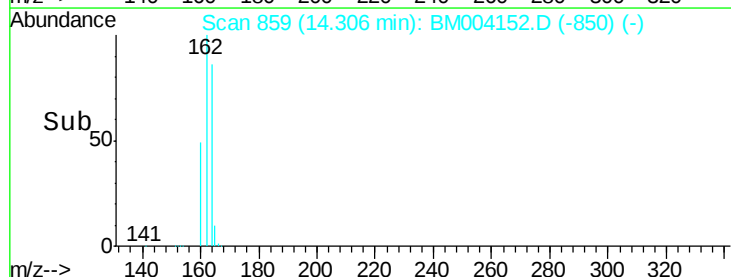
30000

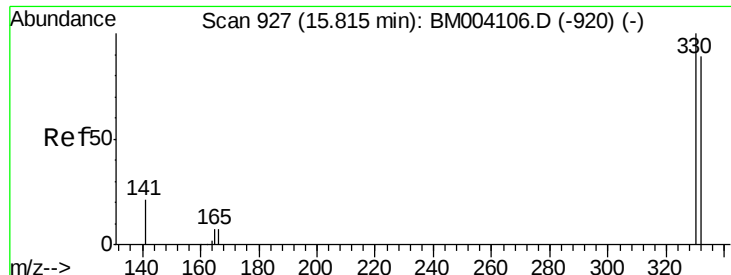
20000

10000

0

Time-->

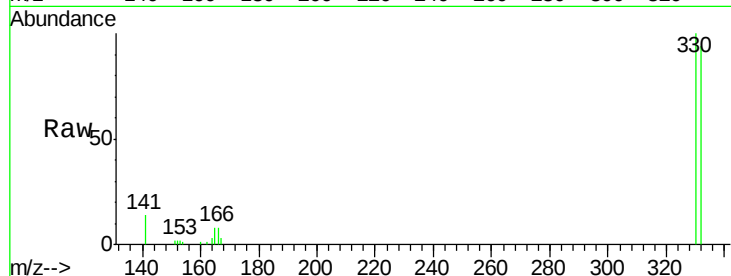




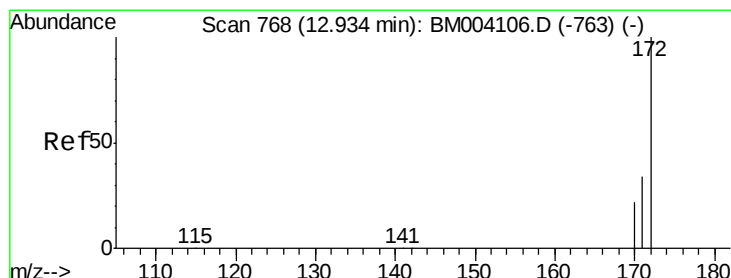
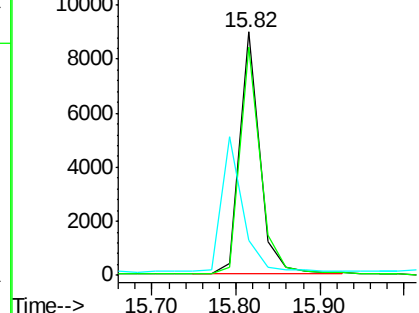
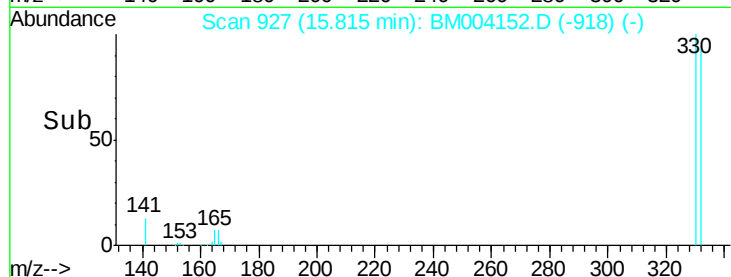
#14
 2,4,6-Tribromophenol
 Concen: 7.18 ng
 RT: 15.82 min Scan# 927
 Delta R.T. 0.00 min
 Lab File: BM004152.D
 Acq: 29 Jan 2016 18:37

Instrument :
 BNA_M
 ClientSampleId :
 YT-MW01

Tgt Ion:330 Resp: 14768
 Ion Ratio Lower Upper
 330 100
 332 95.3 79.0 118.4
 141 0.0 27.8 41.6#

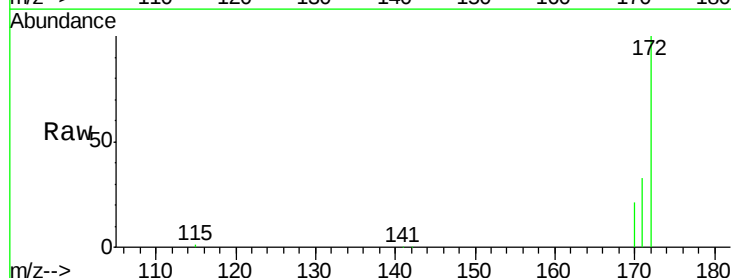


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

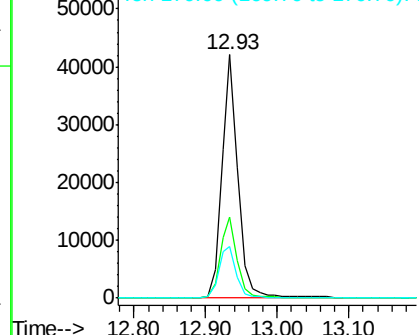
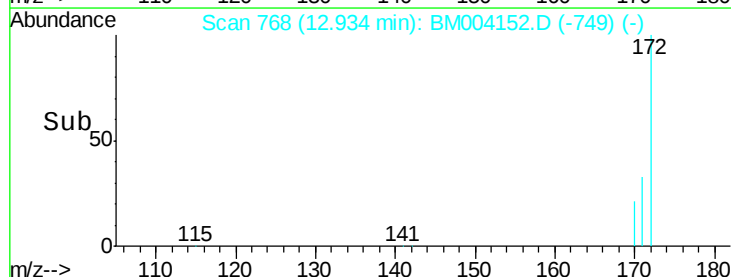


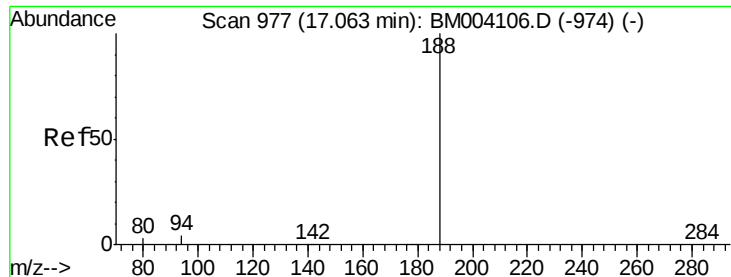
#15
 2-Fluorobiphenyl
 Concen: 4.12 ng
 RT: 12.93 min Scan# 768
 Delta R.T. 0.00 min
 Lab File: BM004152.D
 Acq: 29 Jan 2016 18:37

Tgt Ion:172 Resp: 66363
 Ion Ratio Lower Upper
 172 100
 171 33.5 27.0 40.6
 170 21.4 17.9 26.9



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

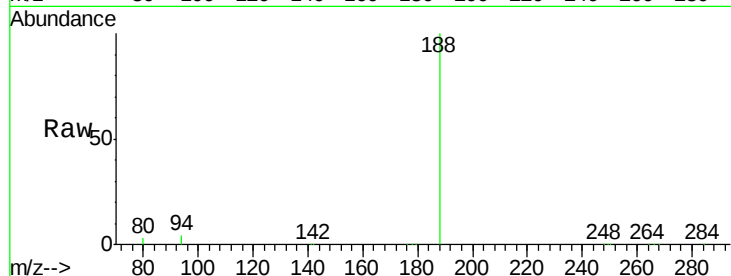




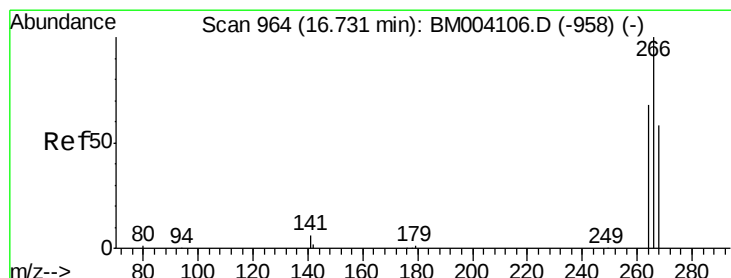
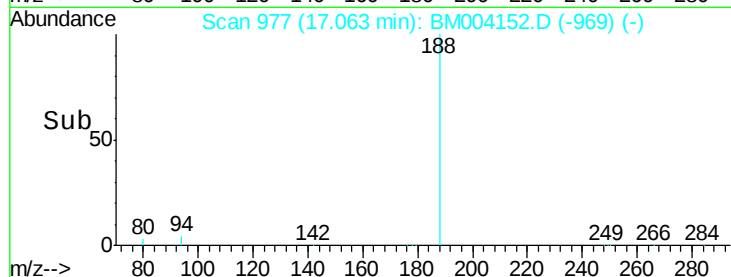
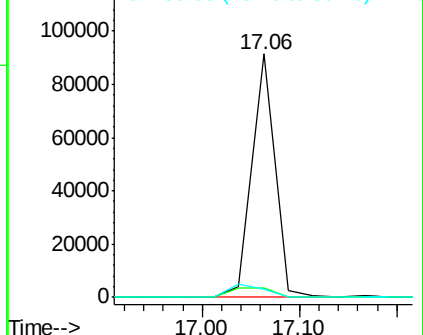
#19
Phenanthrene-d10
Concen: 5.00 ng
RT: 17.06 min Scan# 977
Delta R.T. 0.00 min
Lab File: BM004152.D
Acq: 29 Jan 2016 18:37

Instrument :
BNA_M
ClientSampleId :
YT-MW01

Tgt Ion:188 Resp: 151531
Ion Ratio Lower Upper
188 100
94 4.0 20.3 30.5#
80 3.4 22.2 33.4#

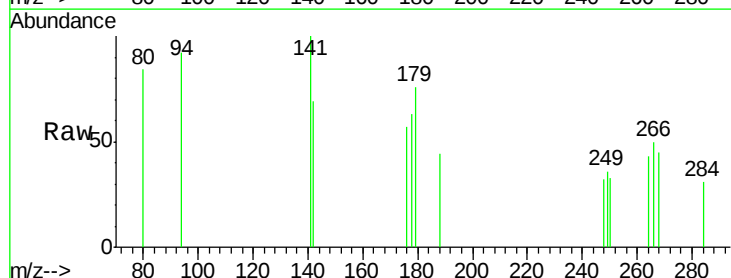


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BM0
Ion 80.00 (79.70 to 80.70): BM0

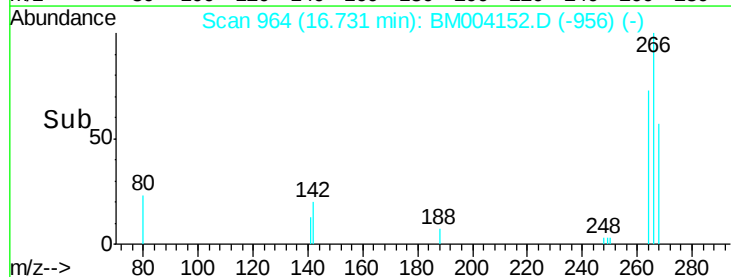
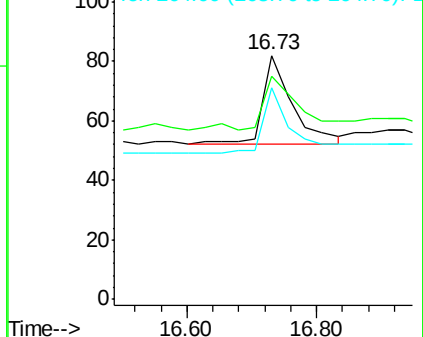


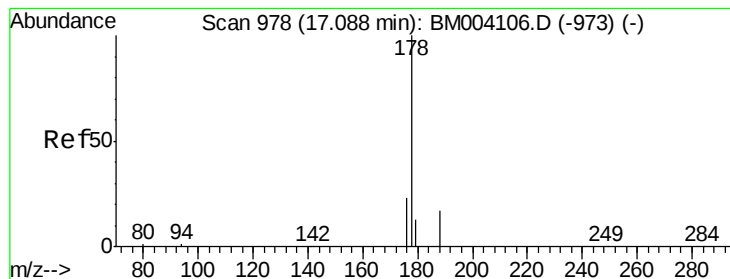
#22
Pentachlorophenol
Concen: 0.29 ng
RT: 16.73 min Scan# 964
Delta R.T. 0.00 min
Lab File: BM004152.D
Acq: 29 Jan 2016 18:37

Tgt Ion:266 Resp: 98
Ion Ratio Lower Upper
266 100
268 91.5 62.7 94.1
264 86.6 45.7 68.5#



Abundance Ion 265.70 (265.40 to 266.40): E
Ion 268.00 (267.70 to 268.70): E
Ion 264.00 (263.70 to 264.70): E





#23

Phenanthrene

Concen: Below Cal

RT: 17.09 min Scan# 978

Delta R.T. 0.00 min

Lab File: BM004152.D

Acq: 29 Jan 2016 18:37

Instrument :

BNA_M

ClientSampleId :

YT-MW01

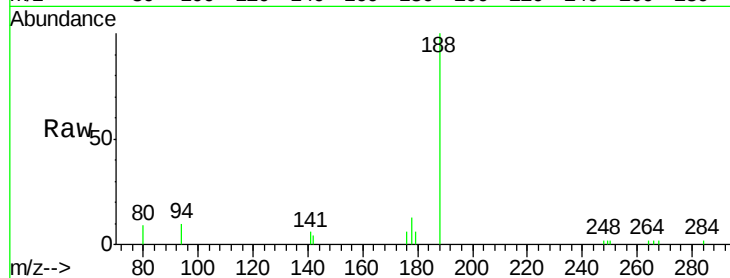
Tgt Ion:178 Resp: 794

Ion Ratio Lower Upper

178 100

176 26.3 15.4 23.0#

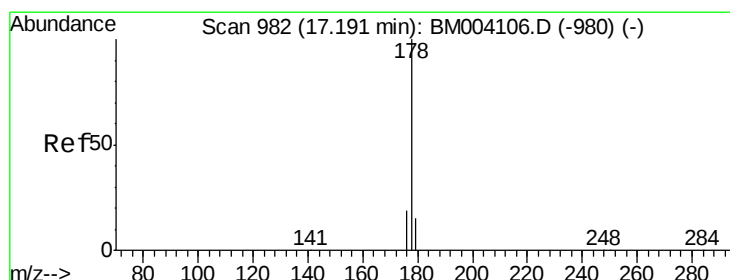
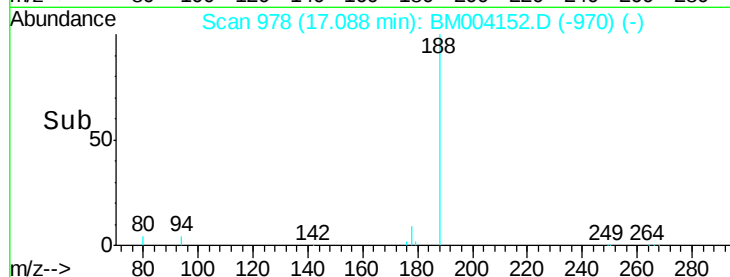
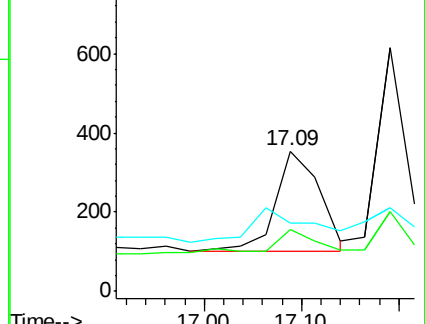
179 0.0 12.2 18.4#



Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



#24

Anthracene

Concen: 0.03 ng

RT: 17.19 min Scan# 982

Delta R.T. 0.00 min

Lab File: BM004152.D

Acq: 29 Jan 2016 18:37

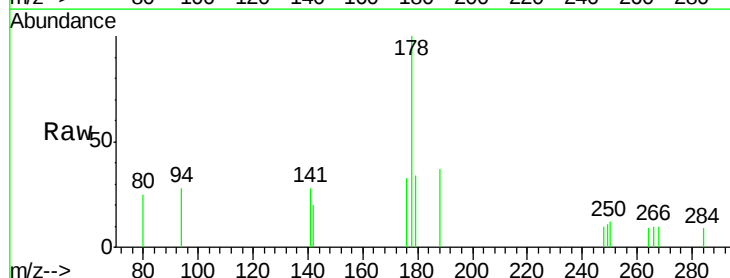
Tgt Ion:178 Resp: 1034

Ion Ratio Lower Upper

178 100

176 18.9 14.6 21.8

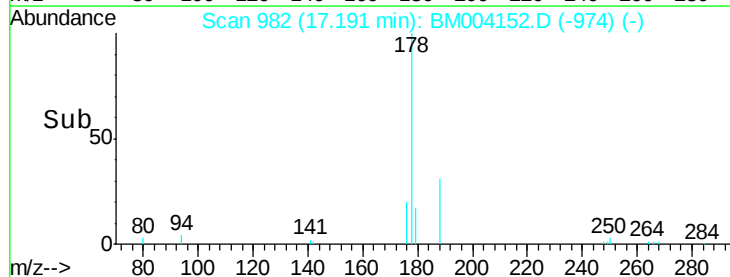
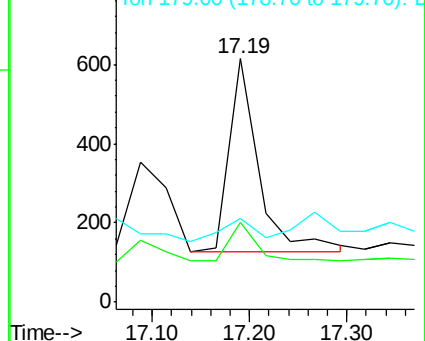
179 14.1 12.6 19.0

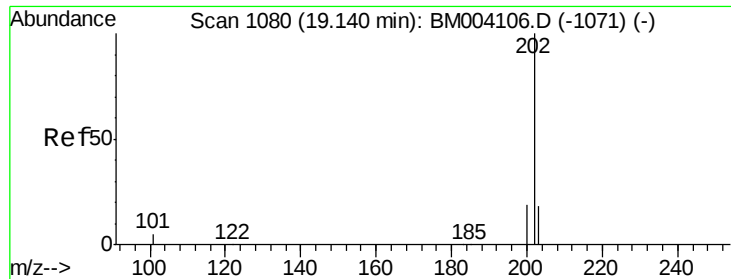


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#25

Fluoranthene

Concen: 0.03 ng

RT: 19.14 min Scan# 1080

Delta R.T. 0.00 min

Lab File: BM004152.D

Acq: 29 Jan 2016 18:37

Instrument :

BNA_M

ClientSampleId :

YT-MW01

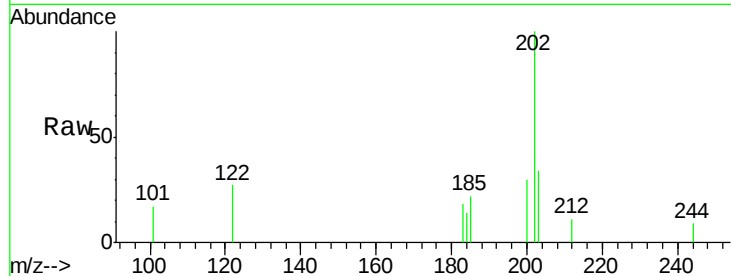
Tgt Ion: 202 Resp: 1136

Ion Ratio Lower Upper

202 100

101 15.8 9.7 14.5#

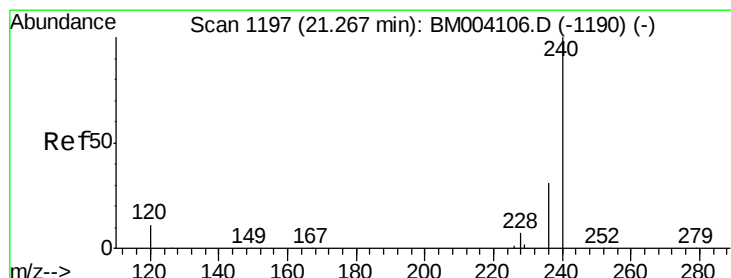
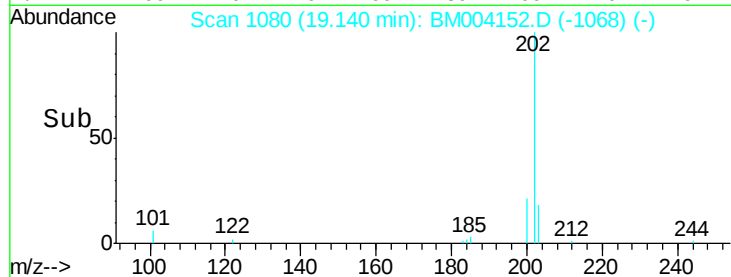
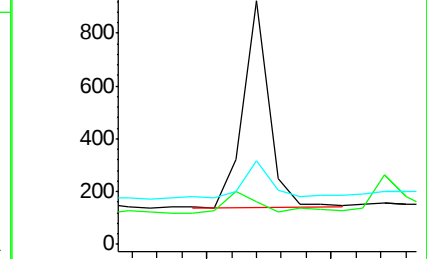
203 22.9 13.8 20.8#



Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E



#26

Chrysene-d12

Concen: 5.00 ng

RT: 21.27 min Scan# 1197

Delta R.T. 0.00 min

Lab File: BM004152.D

Acq: 29 Jan 2016 18:37

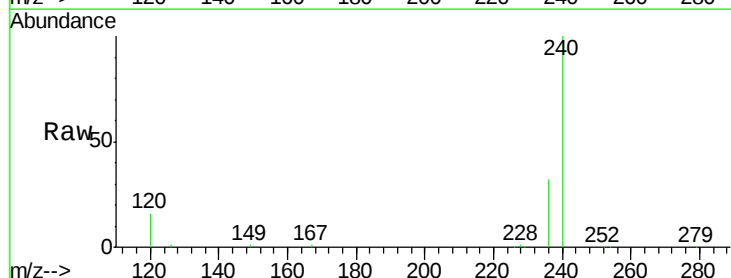
Tgt Ion: 240 Resp: 143103

Ion Ratio Lower Upper

240 100

120 16.1 0.9 1.3#

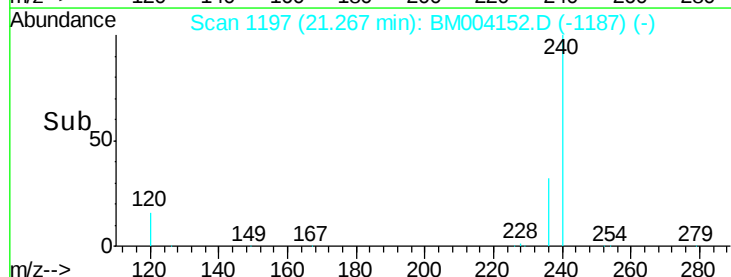
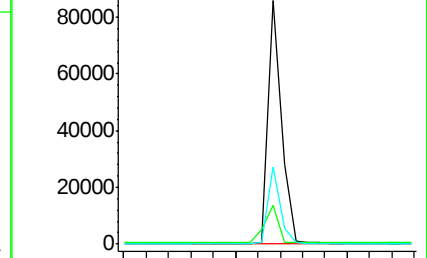
236 31.8 17.3 25.9#

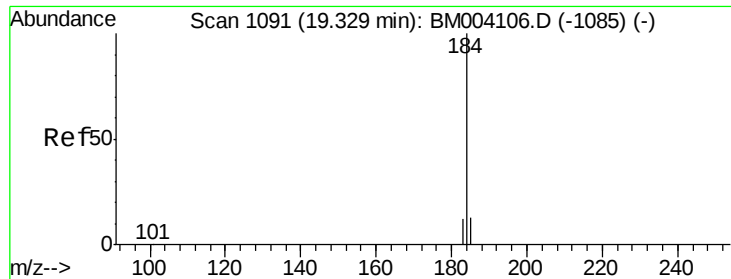


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

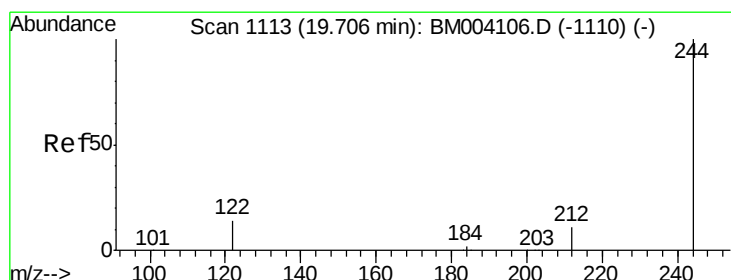
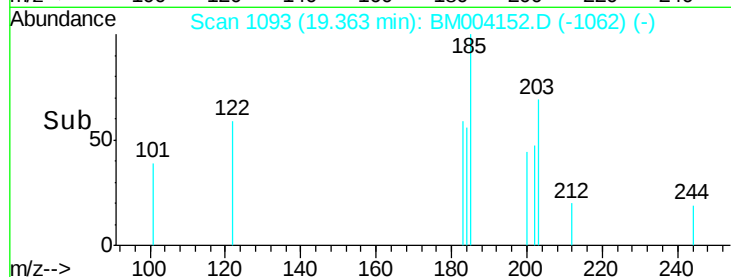
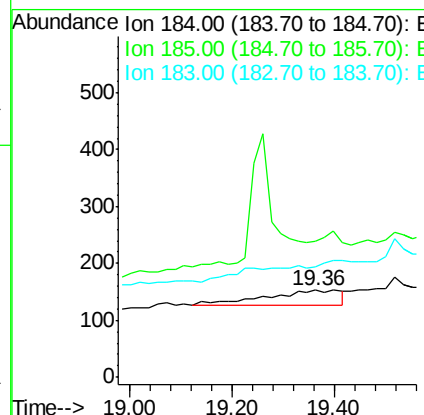
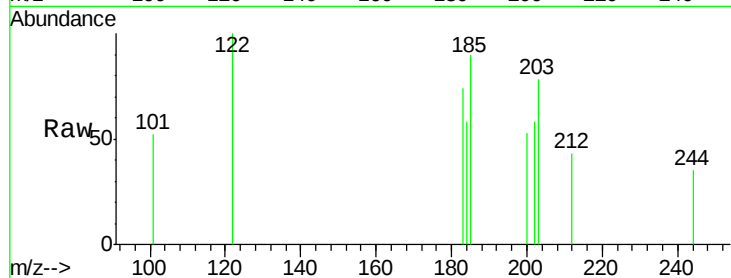




#27
Benzidine
Concen: 0.15 ng
RT: 19.36 min Scan# 1093
Delta R.T. 0.04 min
Lab File: BM004152.D
Acq: 29 Jan 2016 18:37

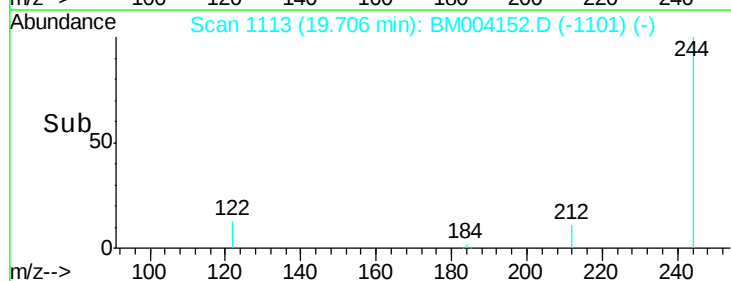
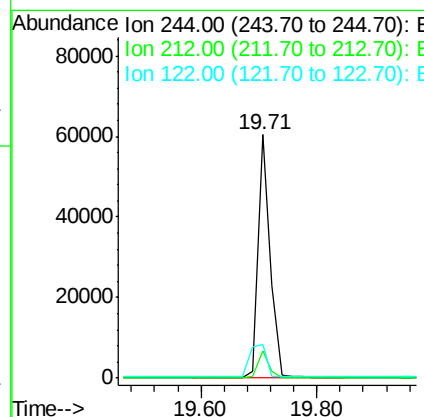
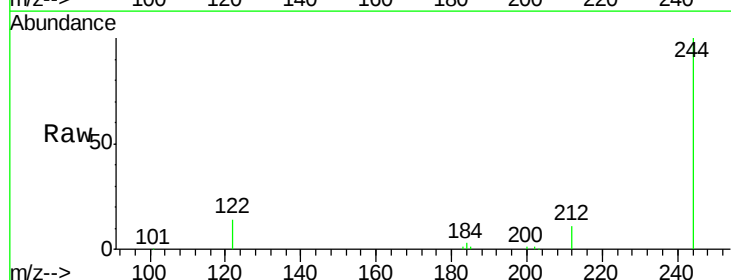
Instrument :
BNA_M
ClientSampleId :
YT-MW01

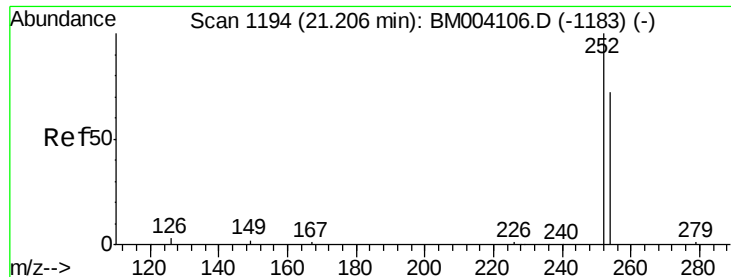
Tgt Ion:184 Resp: 286
Ion Ratio Lower Upper
184 100
185 155.6 13.2 19.8#
183 127.5 9.0 13.6#



#29
Terphenyl-d14
Concen: 4.88 ng
RT: 19.71 min Scan# 1113
Delta R.T. 0.00 min
Lab File: BM004152.D
Acq: 29 Jan 2016 18:37

Tgt Ion:244 Resp: 88862
Ion Ratio Lower Upper
244 100
212 11.0 7.0 10.6#
122 13.6 3.0 4.6#

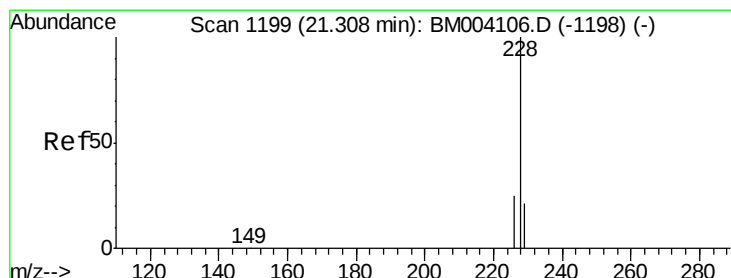
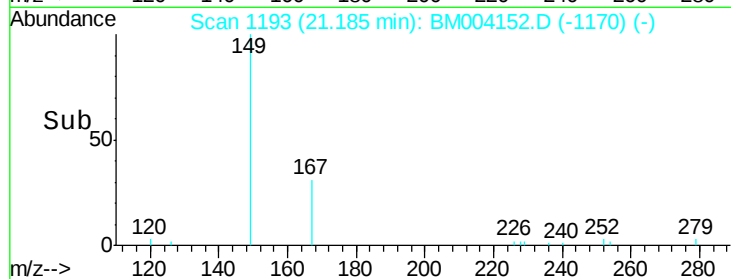
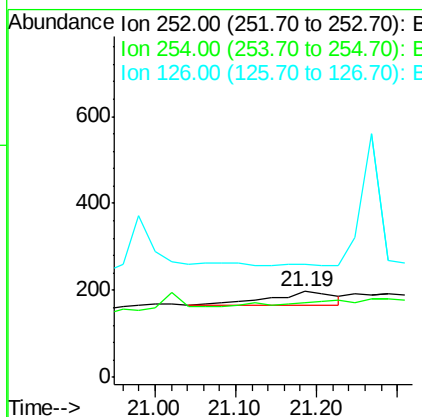
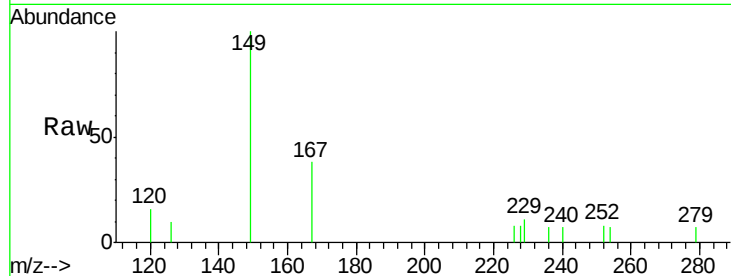




#31
 3,3'-Dichlorobenzidine
 Concen: 0.04 ng
 RT: 21.19 min Scan# 1193
 Delta R.T. -0.02 min
 Lab File: BM004152.D
 Acq: 29 Jan 2016 18:37

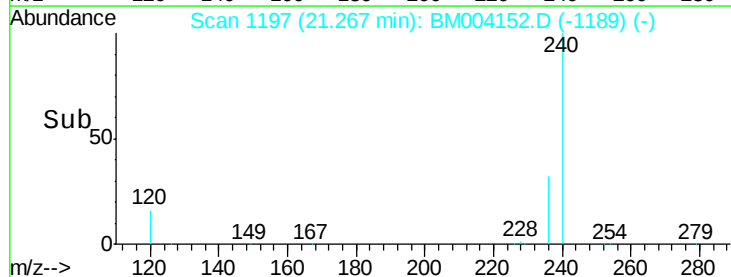
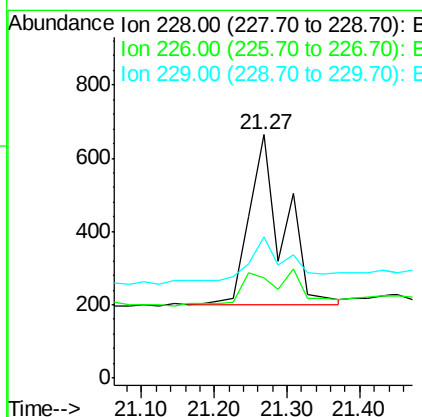
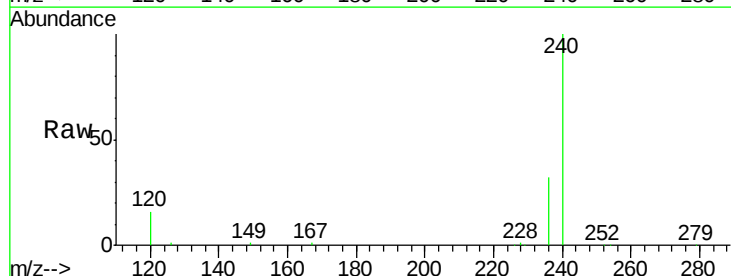
Instrument :
 BNA_M
 ClientSampleId :
 YT-MW01

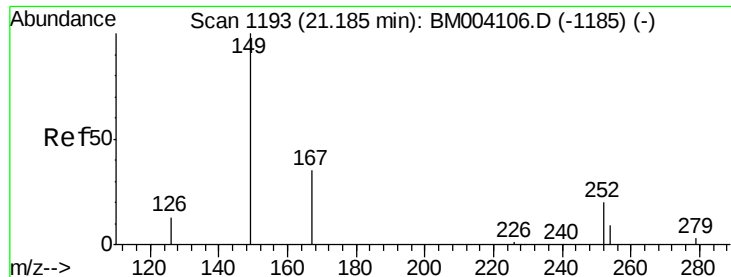
Tgt Ion: 252 Resp: 172
 Ion Ratio Lower Upper
 252 100
 254 87.8 52.6 79.0#
 126 131.5 3.7 5.5#



#32
 Chrysene
 Concen: Below Cal
 RT: 21.27 min Scan# 1197
 Delta R.T. -0.04 min
 Lab File: BM004152.D
 Acq: 29 Jan 2016 18:37

Tgt Ion: 228 Resp: 1517
 Ion Ratio Lower Upper
 228 100
 226 41.0 25.3 37.9#
 229 58.1 14.5 21.7#





#33

Bis(2-ethylhexyl)phthalate

Concen: 0.25 ng

RT: 21.19 min Scan# 1193

Delta R.T. 0.00 min

Lab File: BM004152.D

Acq: 29 Jan 2016 18:37

Instrument :

BNA_M

ClientSampleId :

YT-MW01

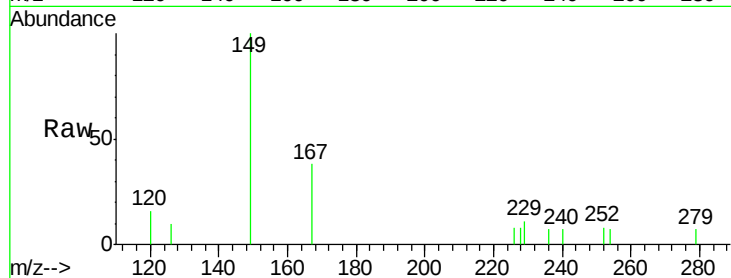
Tgt Ion:149 Resp: 2960

Ion Ratio Lower Upper

149 100

167 28.0 20.1 30.1

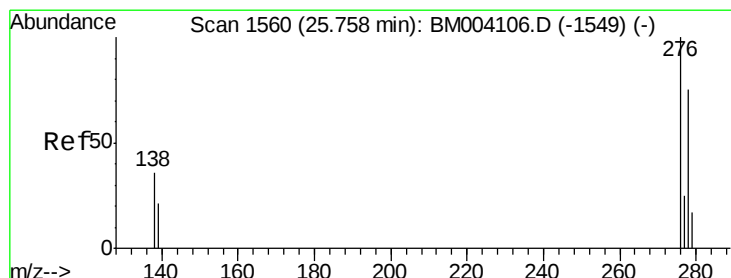
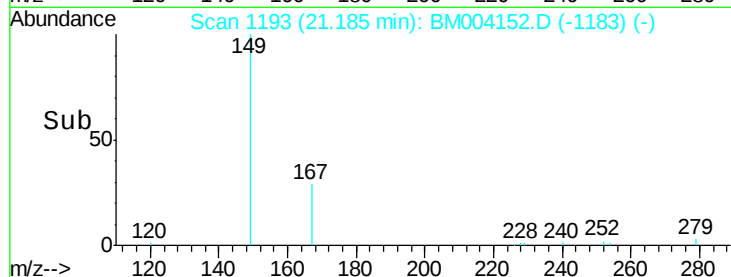
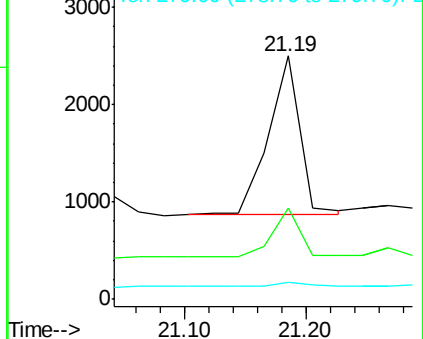
279 3.4 1.8 2.6#



Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E



#34

Indeno(1,2,3-cd)pyrene

Concen: 0.03 ng

RT: 25.77 min Scan# 1561

Delta R.T. 0.01 min

Lab File: BM004152.D

Acq: 29 Jan 2016 18:37

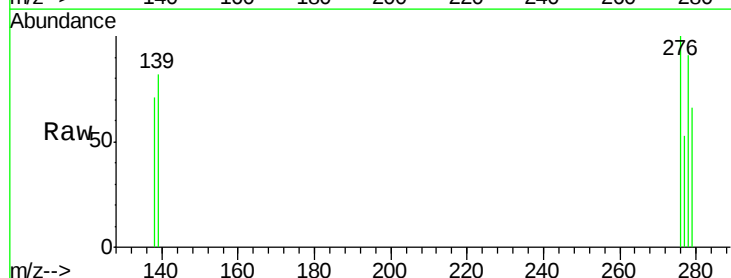
Tgt Ion:276 Resp: 605

Ion Ratio Lower Upper

276 100

138 44.3 30.2 45.2

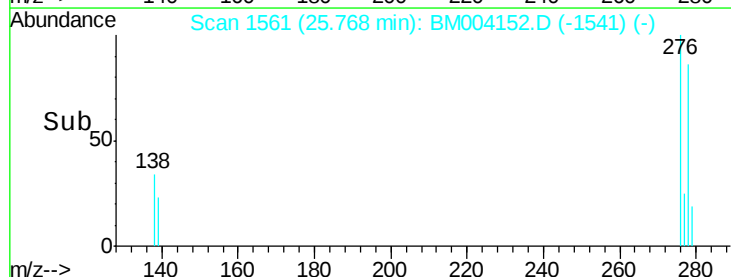
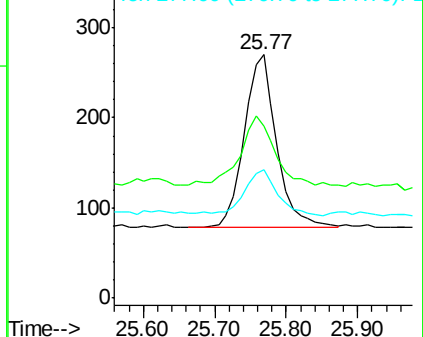
277 26.3 19.8 29.8

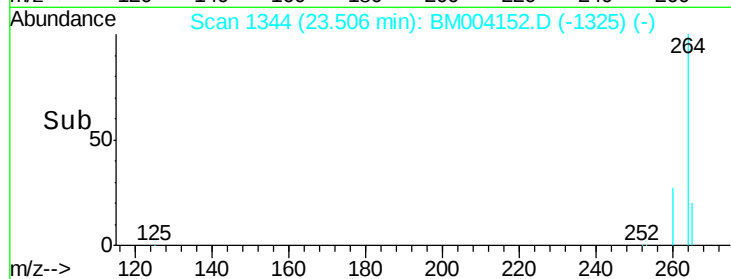
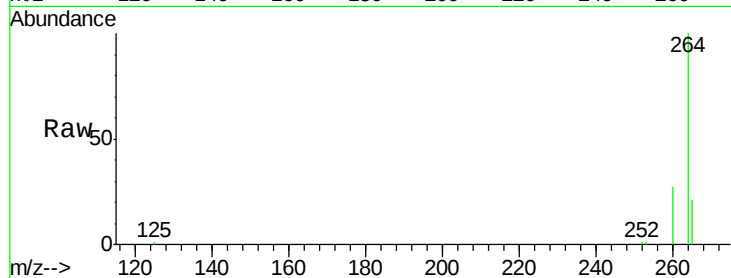
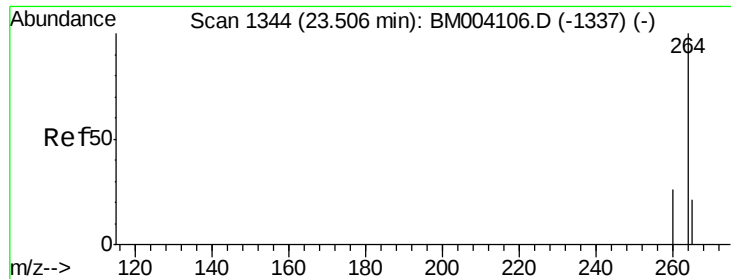


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E





#35

Perylene-d12

Concen: 5.00 ng

RT: 23.51 min Scan# 1344

Delta R.T. 0.00 min

Lab File: BM004152.D

Acq: 29 Jan 2016 18:37

Instrument :

BNA_M

ClientSampleId :

YT-MW01

Tgt Ion:264 Resp: 147276

Ion Ratio Lower Upper

264 100

260 26.8 21.2 31.8

265 20.8 16.7 25.1

