

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM013016\
 Data File : BM004149.D
 Acq On : 29 Jan 2016 16:49
 Operator : SJ/IZ
 Sample : PB88052BS
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 PB88052BS

Quant Time: Jan 29 22:14:27 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	17362	5.00	ng	0.00
7) Naphthalene-d8	10.44	136	77263	5.00	ng	0.00
13) Acenaphthene-d10	14.31	164	46835	5.00	ng	0.00
19) Phenanthrene-d10	17.06	188	132039	5.00	ng	0.00
26) Chrysene-d12	21.27	240	143321	5.00	ng	0.00
35) Perylene-d12	23.51	264	135783	5.00	ng	0.00

System Monitoring Compounds						
4) 2-Fluorophenol	5.25	112	23773	6.56	ng	-0.02
5) Phenol-d6	6.85	99	31762	7.26	ng	0.00
8) Nitrobenzene-d5	8.83	82	13925	4.11	ng	0.00
14) 2,4,6-Tribromophenol	15.82	330	11370	6.25	ng	0.00
15) 2-Fluorobiphenyl	12.93	172	53517	3.73	ng	0.00
29) Terphenyl-d14	19.71	244	69531	3.82	ng	0.00

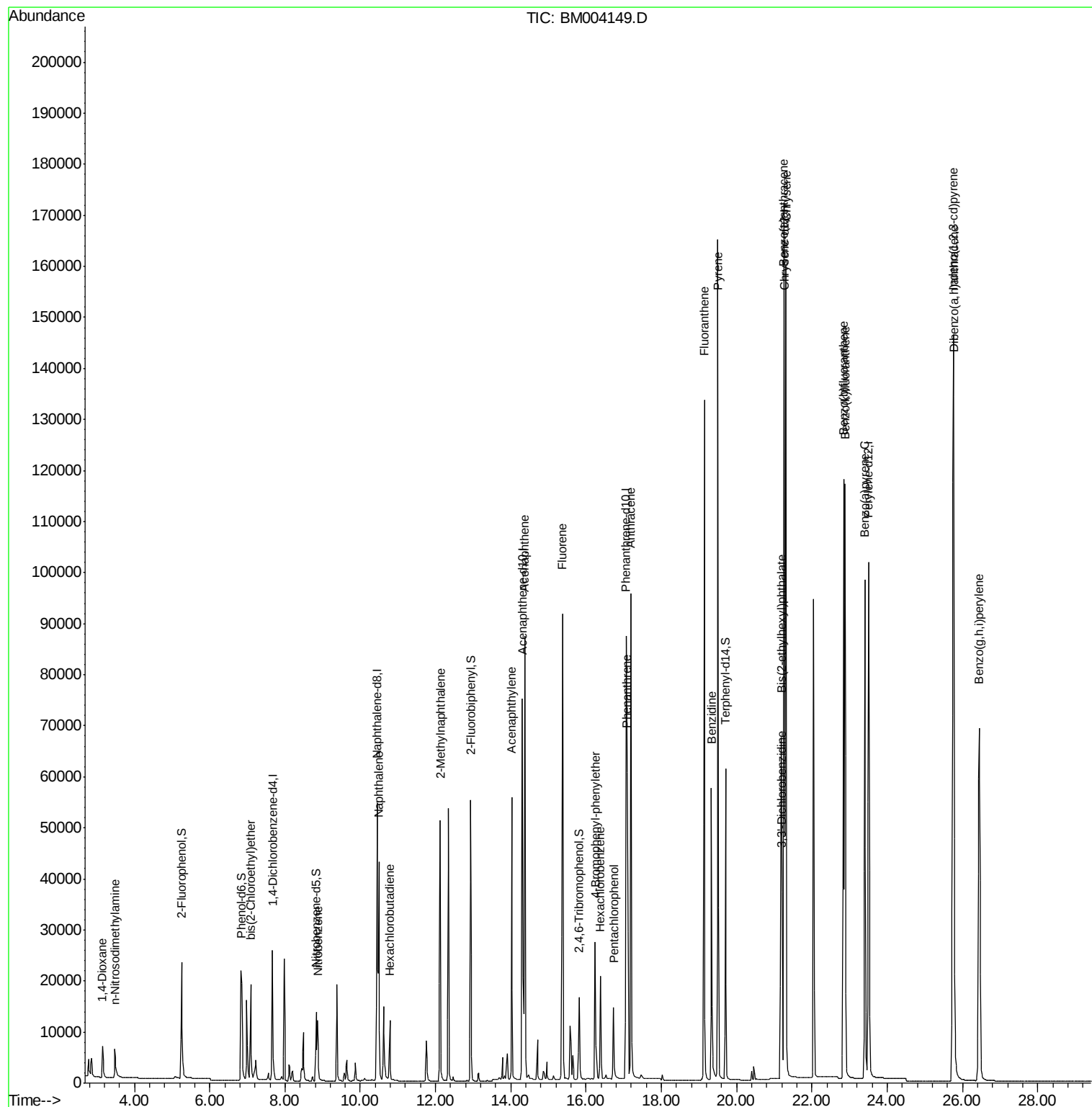
Target Compounds				Qvalue		
2) 1,4-Dioxane	3.15	88	5371	3.41	ng	97
3) n-Nitrosodimethylamine	3.48	42	5700	3.68	ng	95
6) bis(2-Chloroethyl)ether	7.09	93	14676	3.62	ng	100
9) Nitrobenzene	8.87	77	14555	3.10	ng	99
10) Naphthalene	10.49	128	61142	3.40	ng	97
11) Hexachlorobutadiene	10.79	225	9022	3.25	ng	99
12) 2-Methylnaphthalene	12.12	142	43534	3.70	ng	99
16) Acenaphthylene	14.02	152	75584	3.74	ng	100
17) Acenaphthene	14.37	154	48675	3.18	ng	95
18) Fluorene	15.37	166	64442	3.46	ng	99
20) 4-Bromophenyl-phenylether	16.24	248	15770	3.67	ng	# 71
21) Hexachlorobenzene	16.37	284	16076	3.56	ng	# 61
22) Pentachlorophenol	16.73	266	11946	6.52	ng	87
23) Phenanthrene	17.09	178	98979	3.85	ng	98
24) Anthracene	17.19	178	120150	3.98	ng	99
25) Fluoranthene	19.14	202	137278	3.84	ng	99
27) Benzidine	19.33	184	81228	6.64	ng	97
28) Pyrene	19.50	202	154591	3.90	ng	100
30) Benzo(a)anthracene	21.25	228	166787	3.97	ng	# 83
31) 3,3'-Dichlorobenzidine	21.21	252	40427	3.77	ng	# 85
32) Chrysene	21.31	228	137268	3.79	ng	92
33) Bis(2-ethylhexyl)phthalate	21.19	149	61611	3.47	ng	92
34) Indeno(1,2,3-cd)pyrene	25.76	276	156988	3.65	ng	99
36) Benzo(b)fluoranthene	22.84	252	165845	3.94	ng	99
37) Benzo(k)fluoranthene	22.88	252	138811	3.64	ng	99
38) Benzo(a)pyrene	23.40	252	143720	3.88	ng	95
39) Dibenzo(a,h)anthracene	25.77	278	125018	3.75	ng	98
40) Benzo(g,h,i)perylene	26.45	276	133776	3.68	ng	99

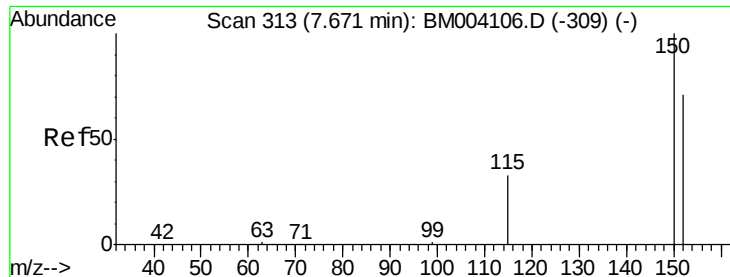
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM013016\
Data File : BM004149.D
Acq On : 29 Jan 2016 16:49
Operator : SJ/IZ
Sample : PB88052BS
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleID :
PB88052BS

Quant Time: Jan 29 22:14:27 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





#1

1,4-Dichlorobenzene-d4

Concen: 5.00 ng

RT: 7.67 min Scan# 313

Delta R.T. -0.00 min

Lab File: BM004149.D

Acq: 29 Jan 2016 16:49

Instrument :

BNA_M

ClientSampleId :

PB88052BS

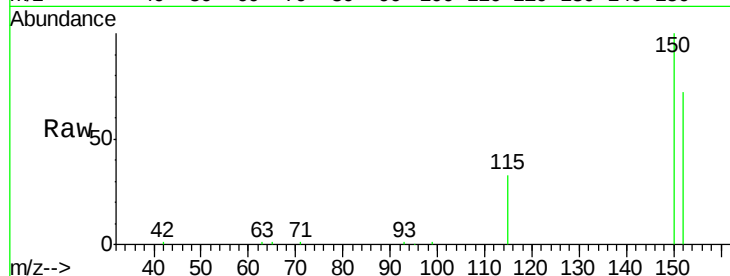
Tgt Ion: 152 Resp: 17362

Ion Ratio Lower Upper

152 100

150 139.7 122.9 184.3

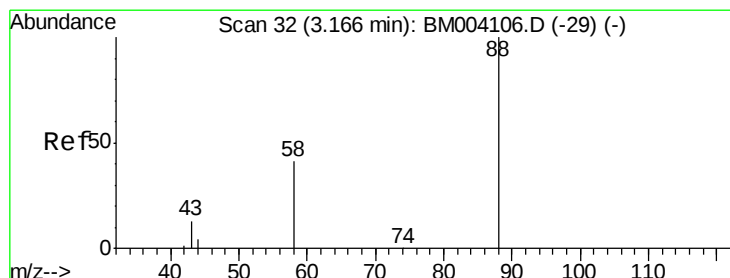
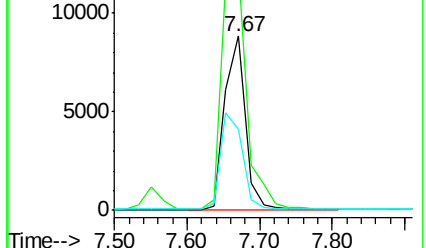
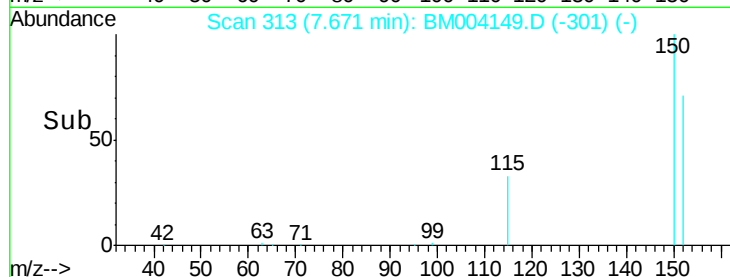
115 46.3 44.4 66.6



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



#2

1,4-Dioxane

Concen: 3.41 ng

RT: 3.15 min Scan# 31

Delta R.T. -0.02 min

Lab File: BM004149.D

Acq: 29 Jan 2016 16:49

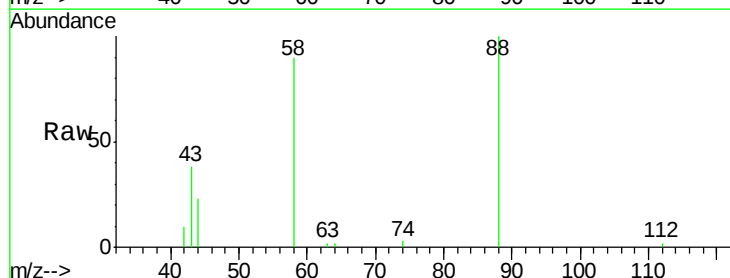
Tgt Ion: 88 Resp: 5371

Ion Ratio Lower Upper

88 100

58 70.4 53.8 80.6

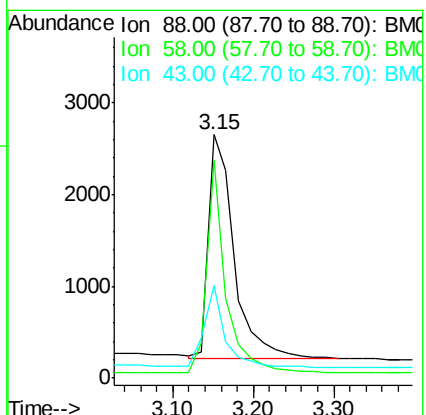
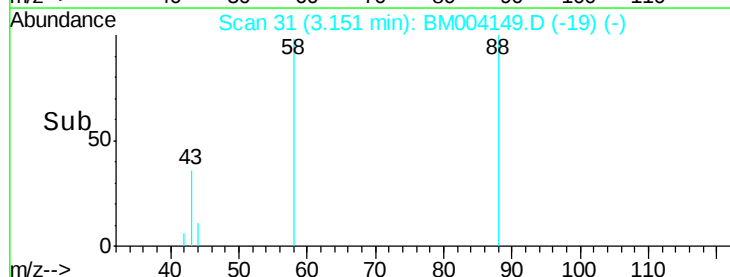
43 29.7 23.8 35.6

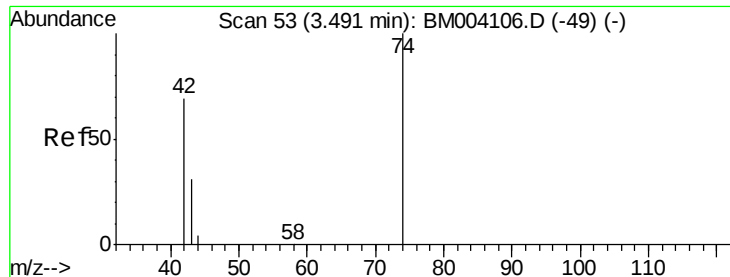


Abundance Ion 88.00 (87.70 to 88.70): BM0

Ion 58.00 (57.70 to 58.70): BM0

Ion 43.00 (42.70 to 43.70): BM0





#3

n-Nitrosodimethylamine

Concen: 3.68 ng

RT: 3.48 min Scan# 52

Delta R.T. -0.02 min

Lab File: BM004149.D

Acq: 29 Jan 2016 16:49

Instrument :

BNA_M

ClientSampleId :

PB88052BS

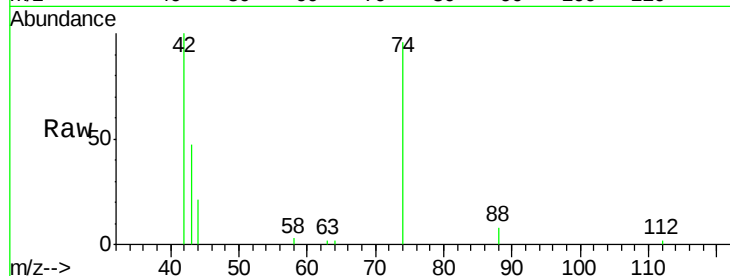
Tgt Ion: 42 Resp: 5700

Ion Ratio Lower Upper

42 100

74 124.1 95.0 142.4

44 6.8 5.1 7.7



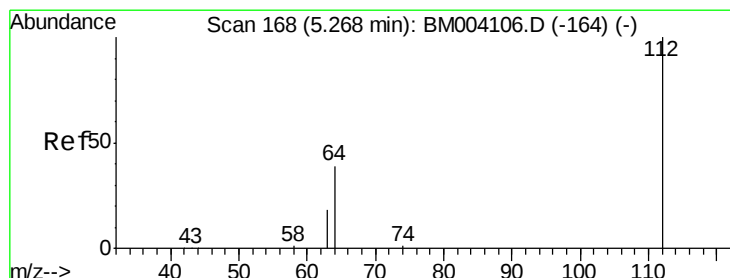
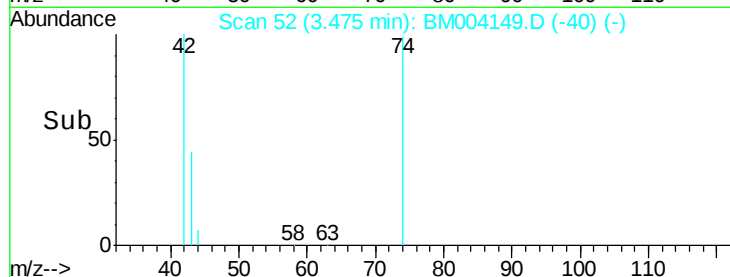
Abundance Ion 42.00 (41.70 to 42.70): BM004106.D (-49) (-)

Ion 74.00 (73.70 to 74.70): BM004106.D (-49) (-)

Ion 44.00 (43.70 to 44.70): BM004106.D (-49) (-)

3.48

Time-->



#4

2-Fluorophenol

Concen: 6.56 ng

RT: 5.25 min Scan# 167

Delta R.T. -0.02 min

Lab File: BM004149.D

Acq: 29 Jan 2016 16:49

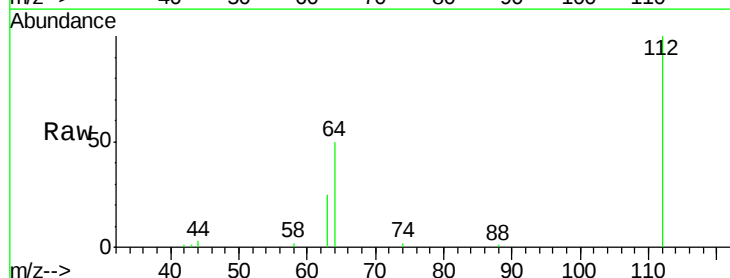
Tgt Ion: 112 Resp: 23773

Ion Ratio Lower Upper

112 100

64 52.2 41.8 62.8

63 27.4 22.1 33.1



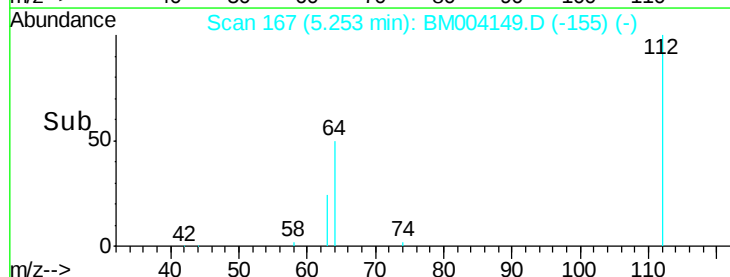
Abundance Ion 112.00 (111.70 to 112.70): BM004106.D (-164) (-)

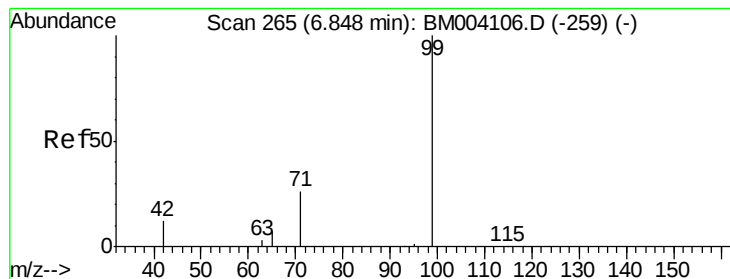
Ion 64.00 (63.70 to 64.70): BM004106.D (-164) (-)

Ion 63.00 (62.70 to 63.70): BM004106.D (-164) (-)

5.25

Time-->





#5

Phenol-d6

Concen: 7.26 ng

RT: 6.85 min Scan# 265

Delta R.T. -0.00 min

Lab File: BM004149.D

Acq: 29 Jan 2016 16:49

Instrument :

BNA_M

ClientSampleId :

PB88052BS

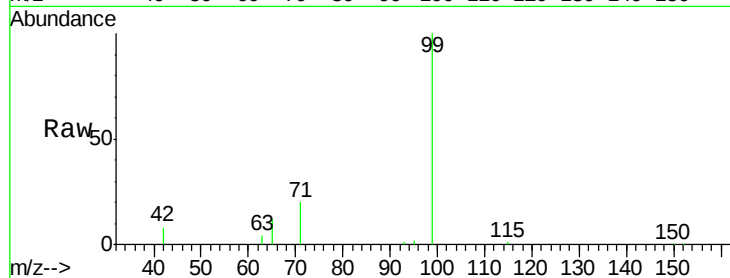
Tgt Ion: 99 Resp: 31762

Ion Ratio Lower Upper

99 100

42 18.5 16.2 24.2

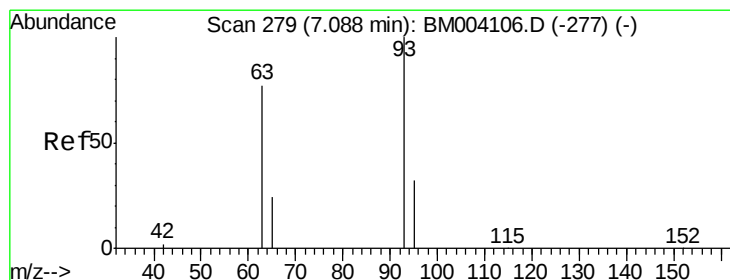
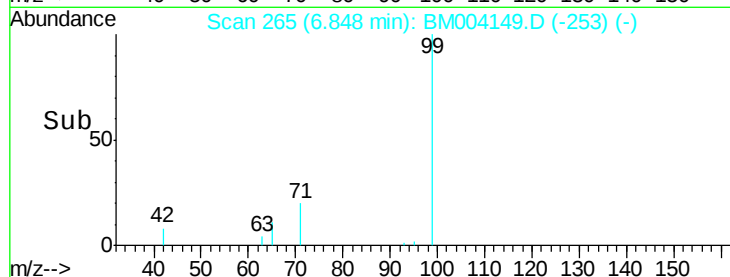
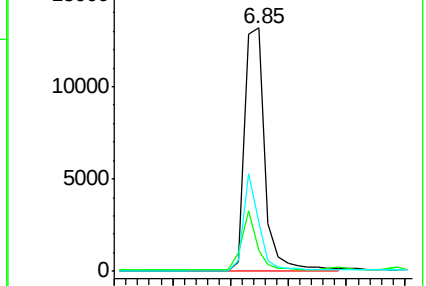
71 30.7 24.4 36.6



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: 3.62 ng

RT: 7.09 min Scan# 279

Delta R.T. -0.00 min

Lab File: BM004149.D

Acq: 29 Jan 2016 16:49

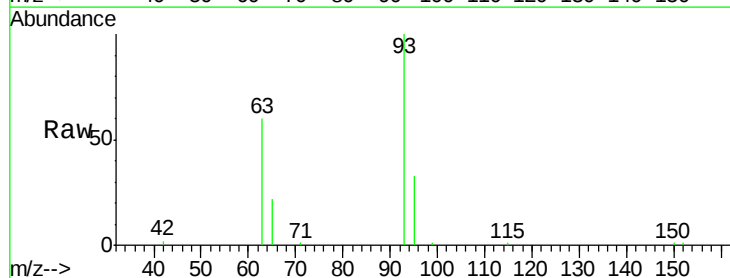
Tgt Ion: 93 Resp: 14676

Ion Ratio Lower Upper

93 100

63 72.9 58.3 87.5

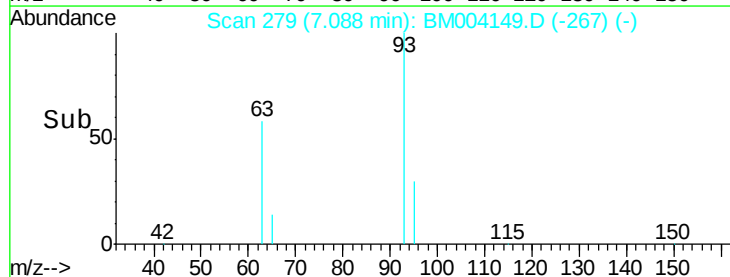
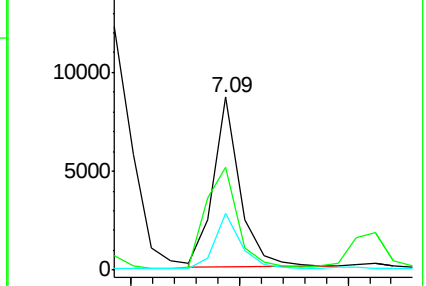
95 32.8 25.8 38.8

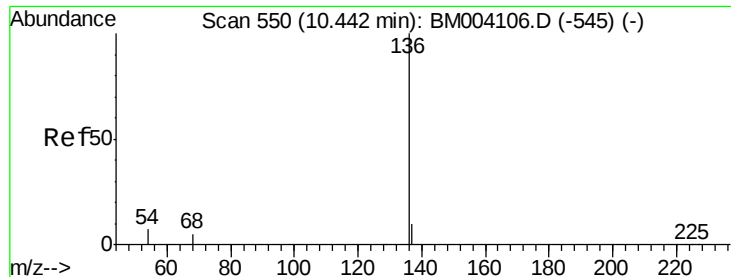


Abundance Ion 93.00 (92.70 to 93.70): BM004106.D (-277) (-)

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: BM004149.D

Acq: 29 Jan 2016 16:49

Instrument :

BNA_M

ClientSampleId :

PB88052BS

Tgt Ion:136 Resp: 77263

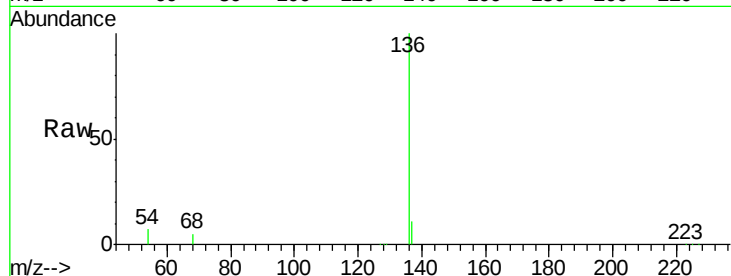
Ion Ratio Lower Upper

136 100

137 10.7 9.2 13.8

54 6.5 2.8 4.2#

68 5.1 2.5 3.7#

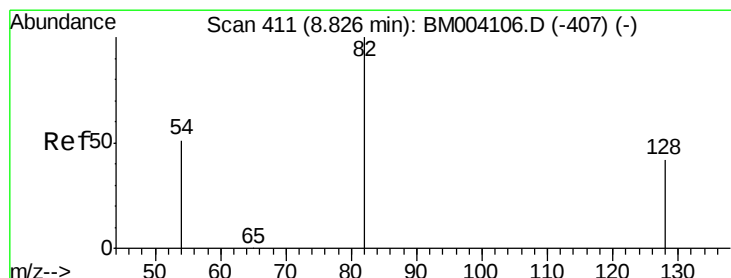
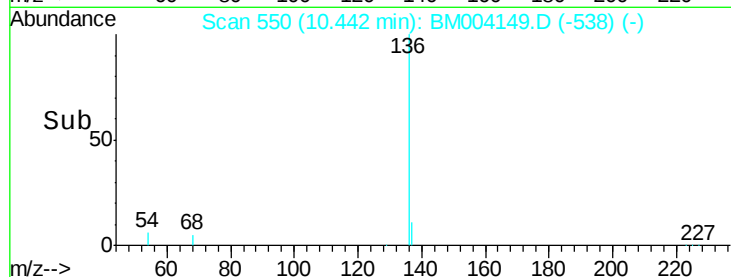
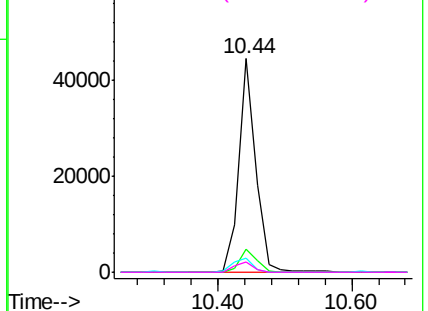


Abundance Ion 136.00 (135.70 to 136.70): E

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: 4.11 ng

RT: 8.83 min Scan# 411

Delta R.T. -0.00 min

Lab File: BM004149.D

Acq: 29 Jan 2016 16:49

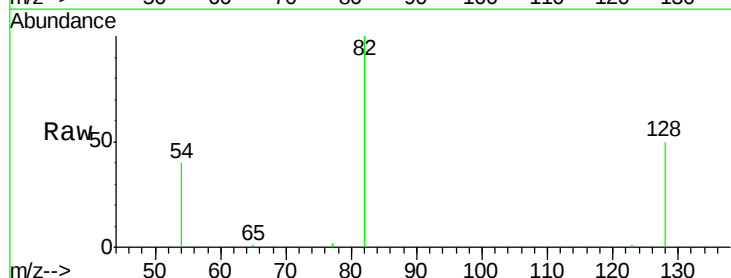
Tgt Ion: 82 Resp: 13925

Ion Ratio Lower Upper

82 100

128 50.0 39.1 58.7

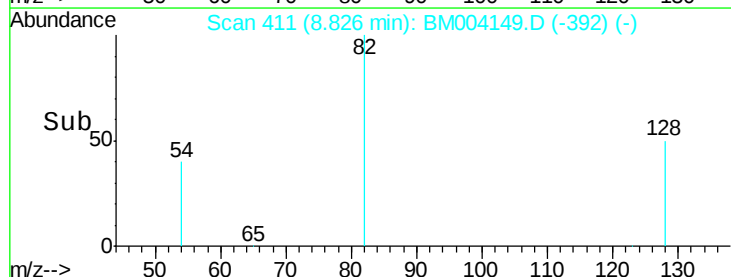
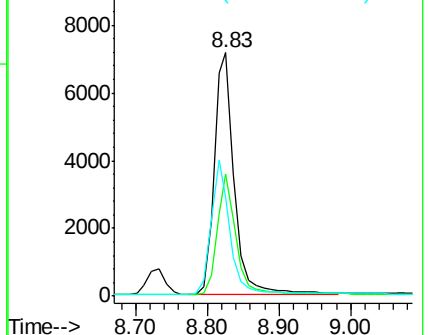
54 40.5 34.8 52.2

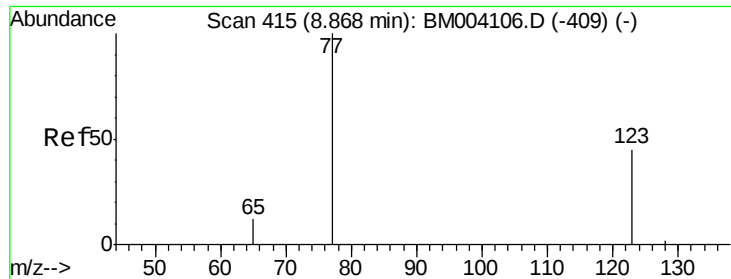


Abundance Ion 82.00 (81.70 to 82.70): BM

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BM





#9

Nitrobenzene

Concen: 3.10 ng

RT: 8.87 min Scan# 415

Delta R.T. 0.00 min

Lab File: BM004149.D

Acq: 29 Jan 2016 16:49

Instrument :

BNA_M

ClientSampleId :

PB88052BS

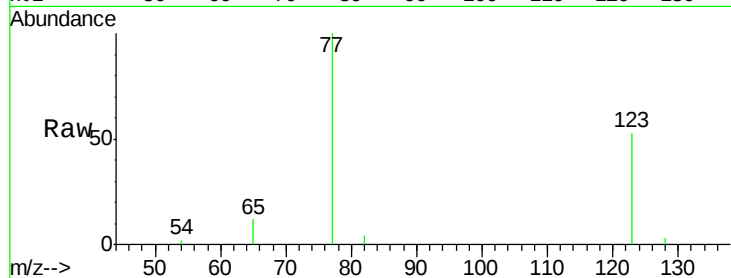
Tgt Ion: 77 Resp: 14555

Ion Ratio Lower Upper

77 100

123 48.9 38.6 57.8

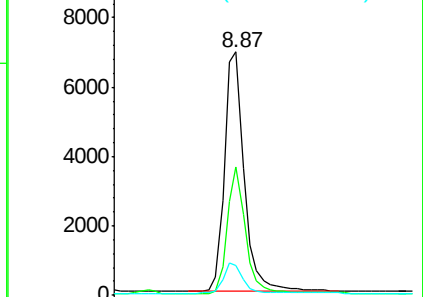
65 12.6 9.9 14.9



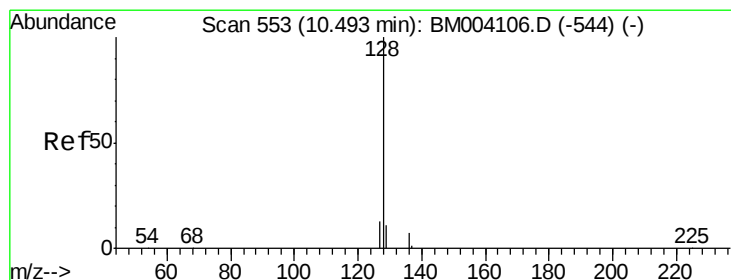
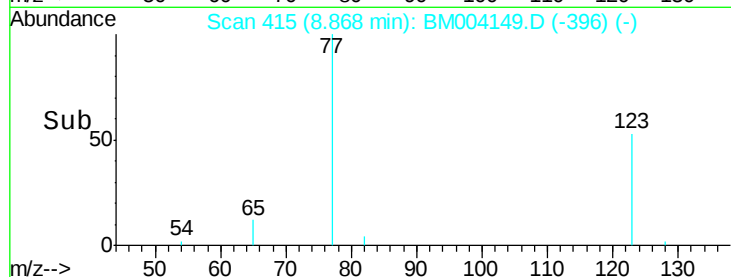
Abundance Ion 77.00 (76.70 to 77.70): BM004106.D (-409) (-)

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

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



Time-->



#10

Naphthalene

Concen: 3.40 ng

RT: 10.49 min Scan# 553

Delta R.T. -0.00 min

Lab File: BM004149.D

Acq: 29 Jan 2016 16:49

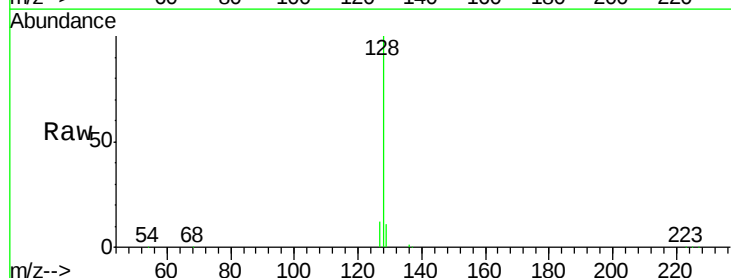
Tgt Ion: 128 Resp: 61142

Ion Ratio Lower Upper

128 100

129 11.2 8.5 12.7

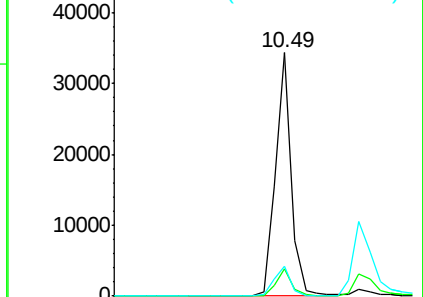
127 12.4 11.0 16.4



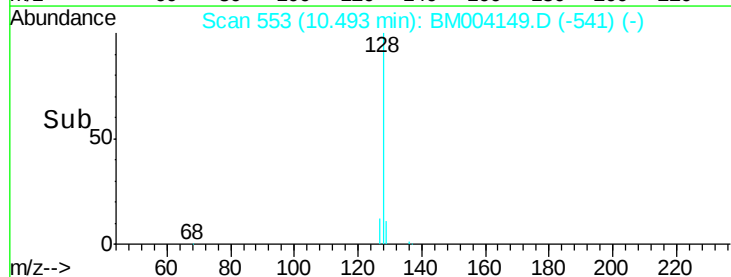
Abundance Ion 128.00 (127.70 to 128.70): BM004106.D (-544) (-)

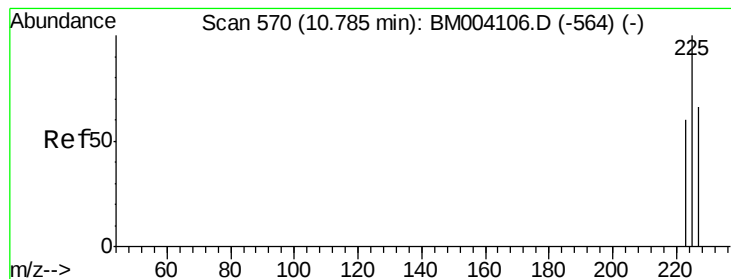
Ion 129.00 (128.70 to 129.70): BM004106.D (-544) (-)

Ion 127.00 (126.70 to 127.70): BM004106.D (-544) (-)



Time-->





#11

Hexachlorobutadiene

Concen: 3.25 ng

RT: 10.79 min Scan# 570

Delta R.T. 0.00 min

Lab File: BM004149.D

Acq: 29 Jan 2016 16:49

Instrument :

BNA_M

ClientSampleId :

PB88052BS

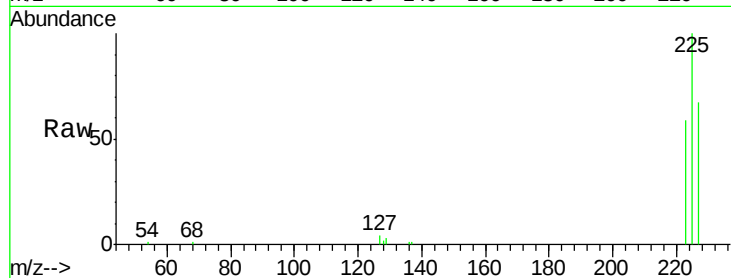
Tgt Ion: 225 Resp: 9022

Ion Ratio Lower Upper

225 100

223 63.0 50.9 76.3

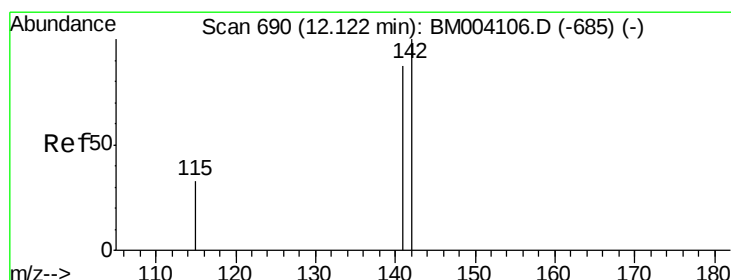
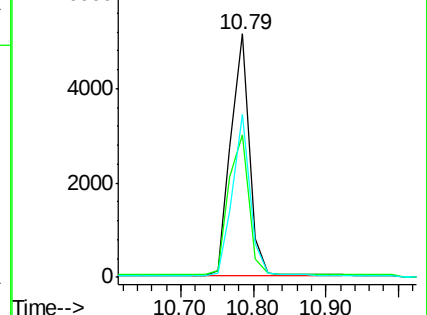
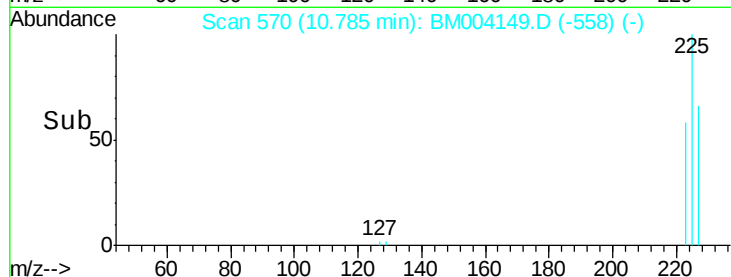
227 62.7 51.2 76.8



Abundance Ion 225.00 (224.70 to 225.70): E

Ion 223.00 (222.70 to 223.70): E

Ion 227.00 (226.70 to 227.70): E



#12

2-Methylnaphthalene

Concen: 3.70 ng

RT: 12.12 min Scan# 690

Delta R.T. -0.00 min

Lab File: BM004149.D

Acq: 29 Jan 2016 16:49

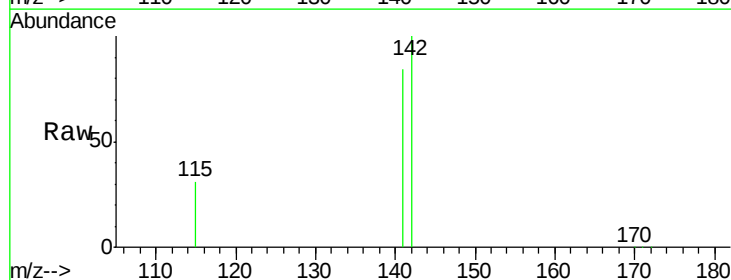
Tgt Ion: 142 Resp: 43534

Ion Ratio Lower Upper

142 100

141 83.7 67.8 101.8

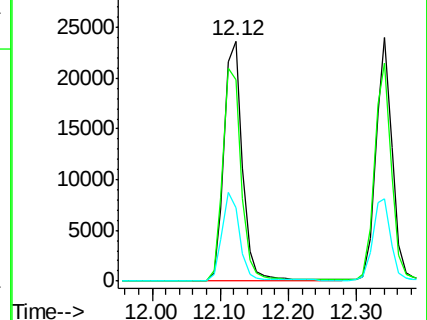
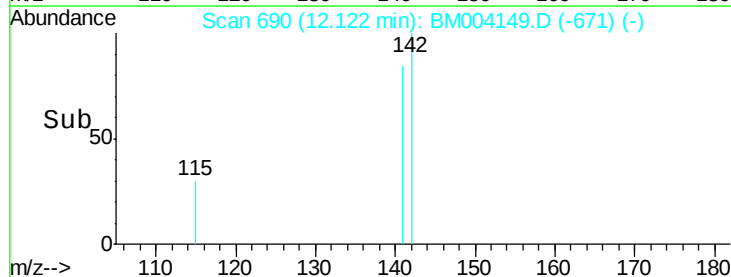
115 30.5 25.3 37.9

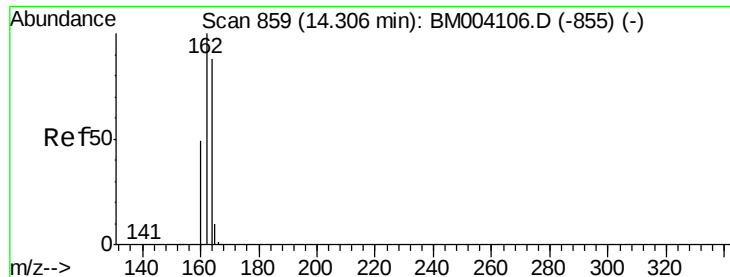


Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 115.00 (114.70 to 115.70): E





#13

Acenaphthene-d10

Concen: 5.00 ng

RT: 14.31 min Scan# 859

Delta R.T. -0.00 min

Lab File: BM004149.D

Acq: 29 Jan 2016 16:49

Instrument :

BNA_M

ClientSampleId :

PB88052BS

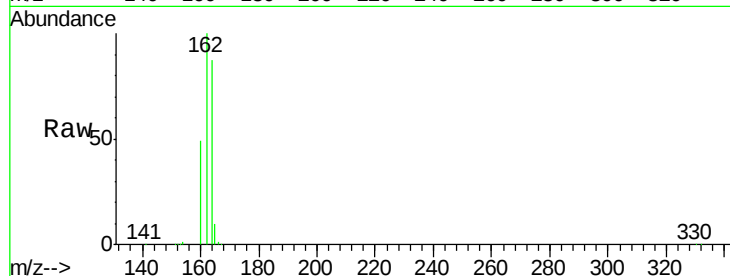
Tgt Ion:164 Resp: 46835

Ion Ratio Lower Upper

164 100

162 114.3 86.0 129.0

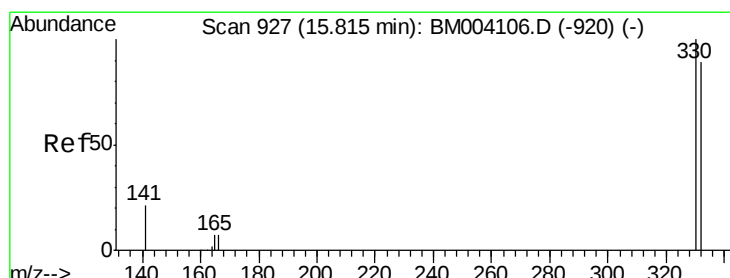
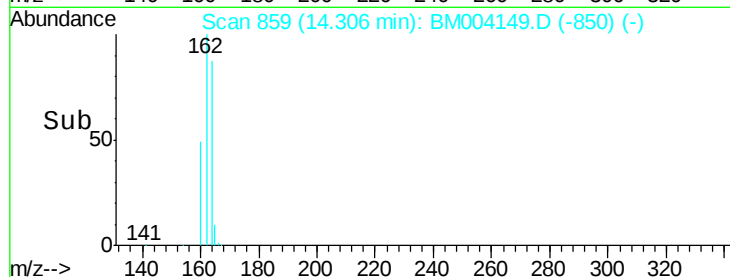
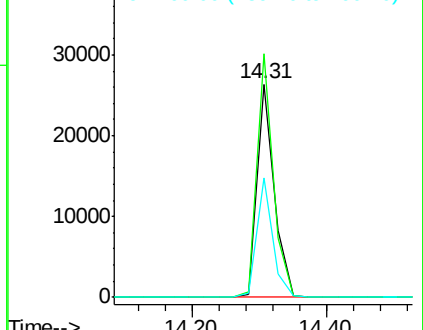
160 56.1 40.3 60.5



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



#14

2,4,6-Tribromophenol

Concen: 6.25 ng

RT: 15.82 min Scan# 927

Delta R.T. 0.00 min

Lab File: BM004149.D

Acq: 29 Jan 2016 16:49

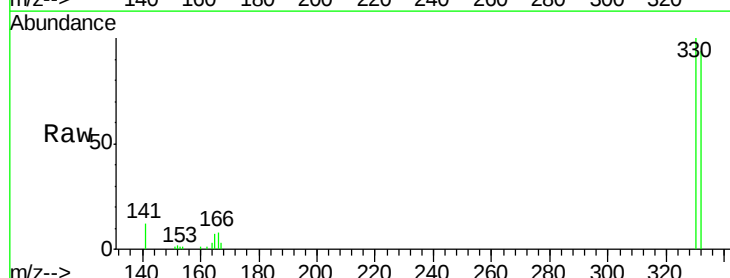
Tgt Ion:330 Resp: 11370

Ion Ratio Lower Upper

330 100

332 95.5 79.0 118.4

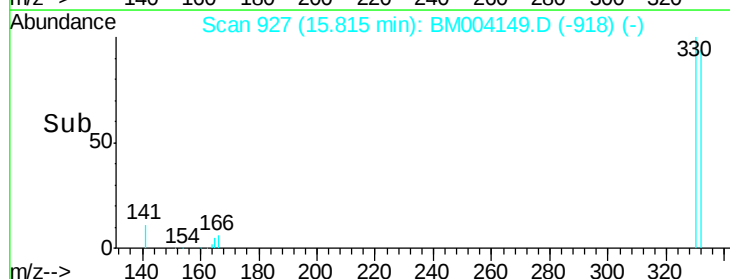
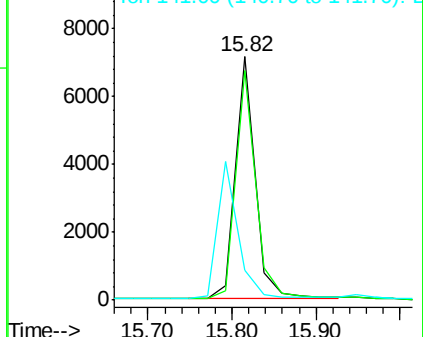
141 0.0 27.8 41.6#

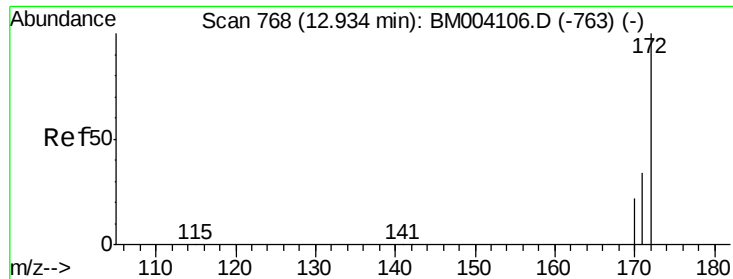


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

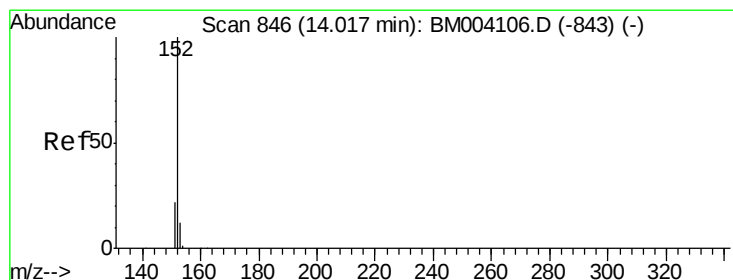
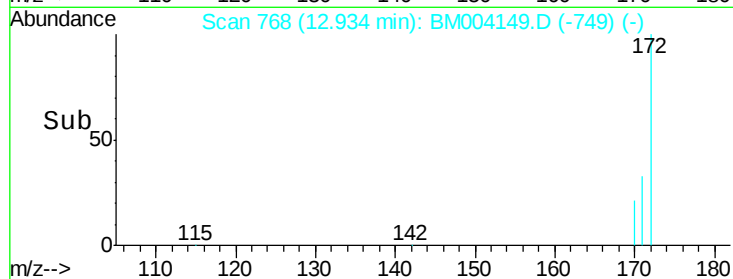
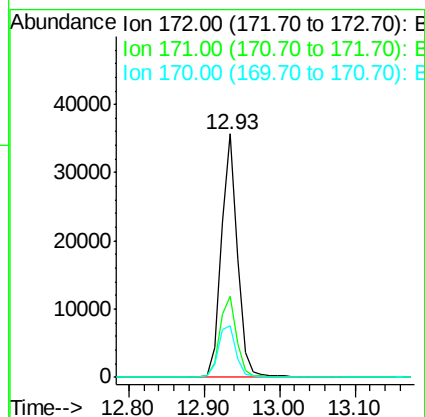
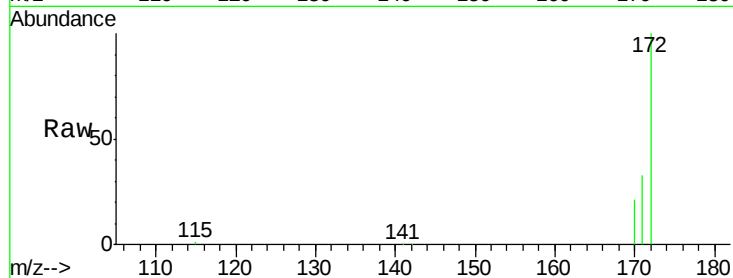




#15
2-Fluorobiphenyl
Concen: 3.73 ng
RT: 12.93 min Scan# 768
Delta R.T. 0.00 min
Lab File: BM004149.D
Acq: 29 Jan 2016 16:49

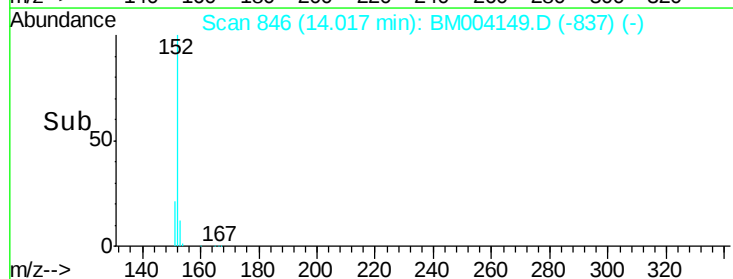
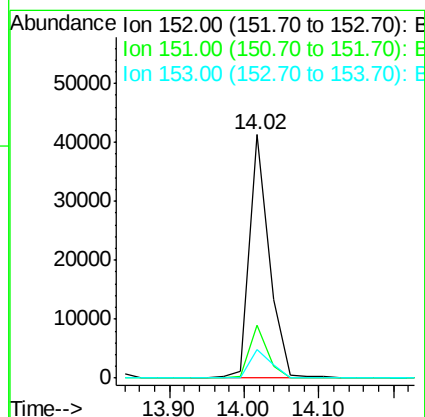
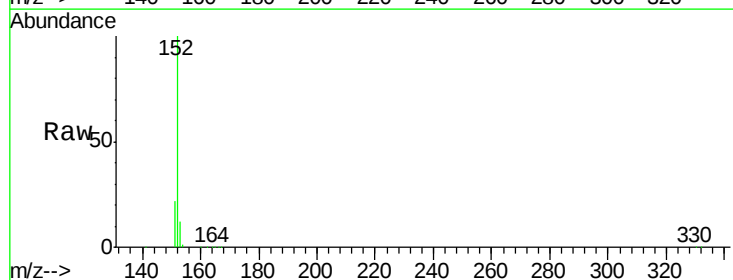
Instrument :
BNA_M
ClientSampleId :
PB88052BS

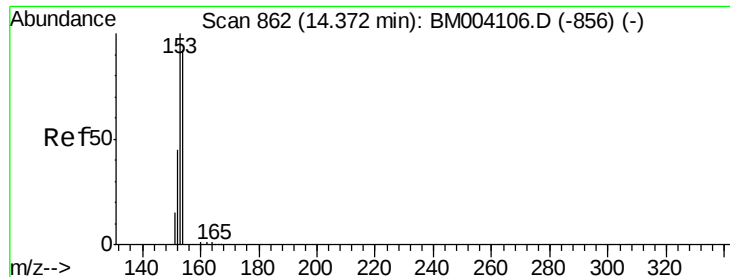
Tgt Ion:172 Resp: 53517
Ion Ratio Lower Upper
172 100
171 33.5 27.0 40.6
170 21.2 17.9 26.9



#16
Acenaphthylene
Concen: 3.74 ng
RT: 14.02 min Scan# 846
Delta R.T. 0.00 min
Lab File: BM004149.D
Acq: 29 Jan 2016 16:49

Tgt Ion:152 Resp: 75584
Ion Ratio Lower Upper
152 100
151 19.8 15.8 23.8
153 12.8 10.2 15.4

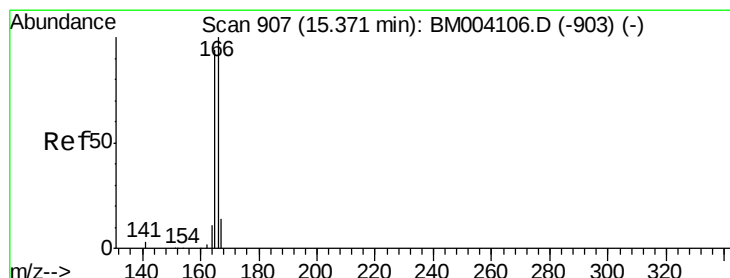
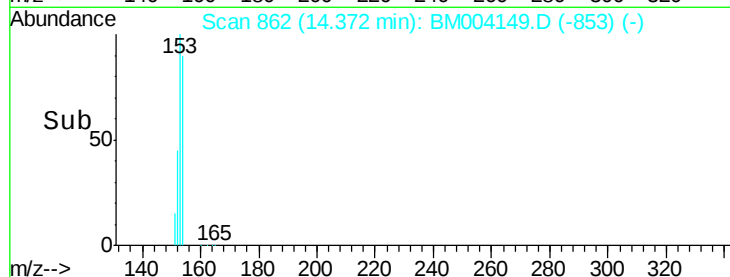
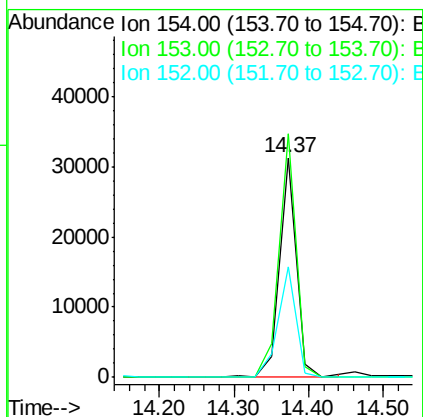
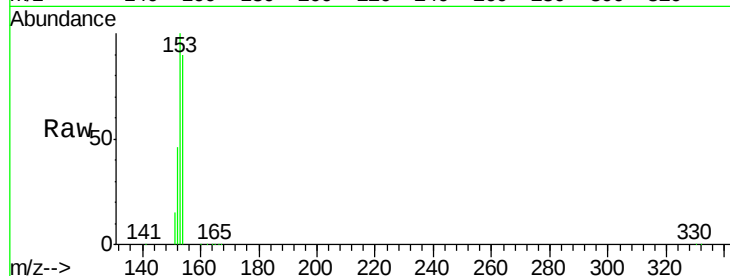




#17
Acenaphthene
Concen: 3.18 ng
RT: 14.37 min Scan# 862
Delta R.T. -0.00 min
Lab File: BM004149.D
Acq: 29 Jan 2016 16:49

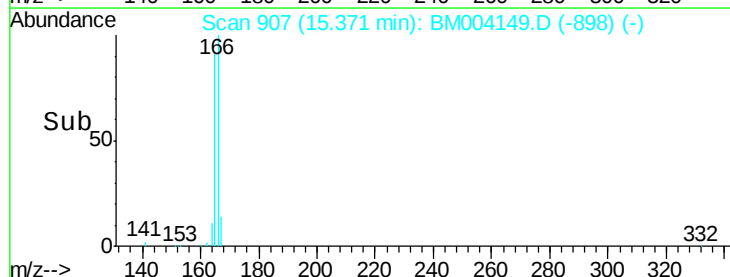
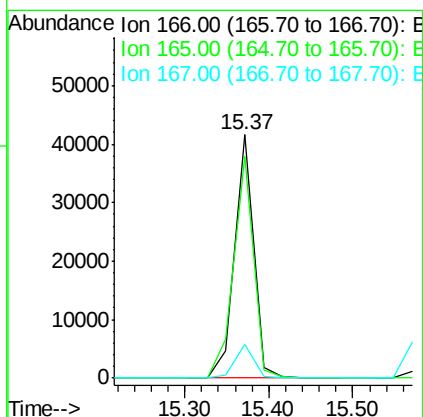
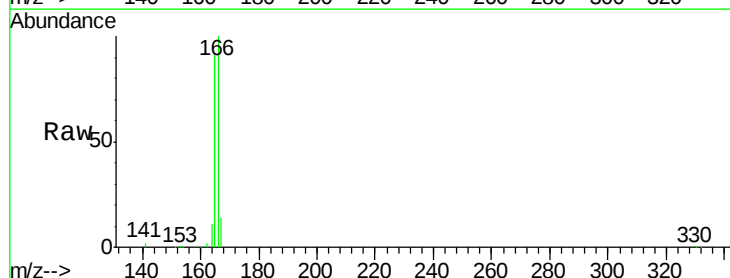
Instrument :
BNA_M
ClientSampleId :
PB88052BS

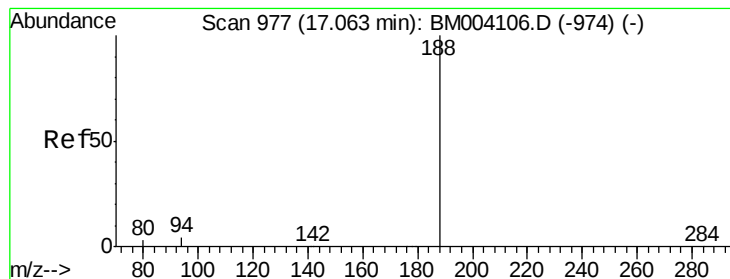
Tgt Ion:154 Resp: 48675
Ion Ratio Lower Upper
154 100
153 112.1 85.4 128.2
152 53.5 40.6 60.8



#18
Fluorene
Concen: 3.46 ng
RT: 15.37 min Scan# 907
Delta R.T. -0.00 min
Lab File: BM004149.D
Acq: 29 Jan 2016 16:49

Tgt Ion:166 Resp: 64442
Ion Ratio Lower Upper
166 100
165 95.6 77.2 115.8
167 13.6 11.0 16.6





#19

Phenanthrene-d10

Concen: 5.00 ng

RT: 17.06 min Scan# 977

Delta R.T. -0.00 min

Lab File: BM004149.D

Acq: 29 Jan 2016 16:49

Instrument :

BNA_M

ClientSampled :

PB88052BS

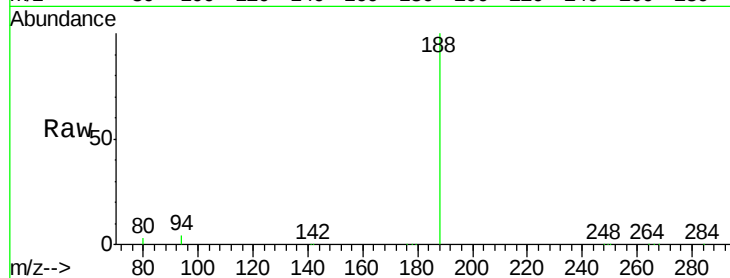
Tgt Ion:188 Resp: 132039

Ion Ratio Lower Upper

188 100

94 4.1 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

100000

80000

60000

40000

20000

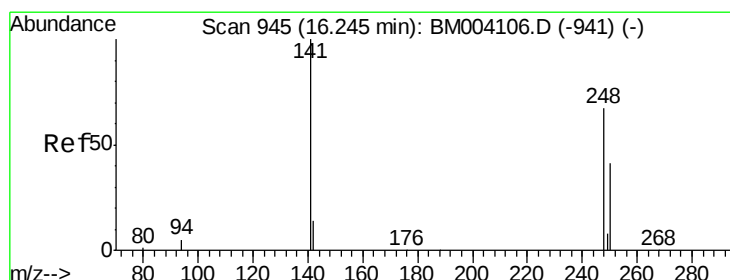
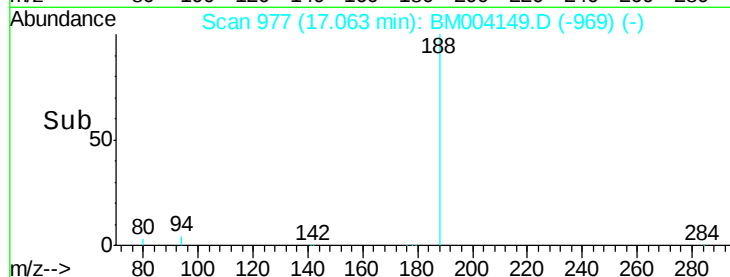
0

17.06

17.00

17.10

Time-->



#20

4-Bromophenyl-phenylether

Concen: 3.67 ng

RT: 16.24 min Scan# 945

Delta R.T. -0.00 min

Lab File: BM004149.D

Acq: 29 Jan 2016 16:49

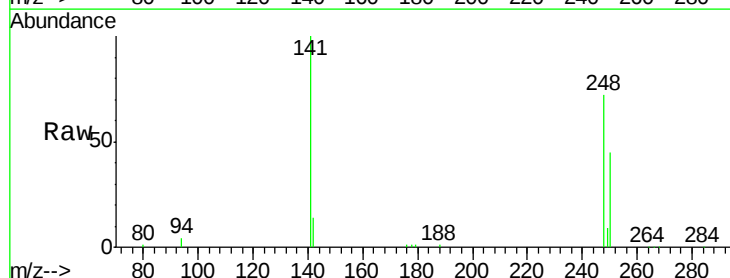
Tgt Ion:248 Resp: 15770

Ion Ratio Lower Upper

248 100

250 85.9 75.0 112.4

141 113.6 53.0 79.4#



Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E

15000

10000

5000

0

16.24

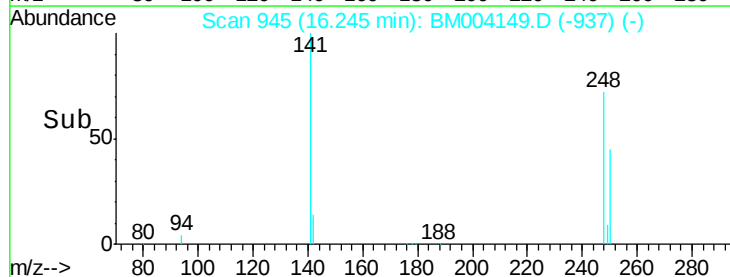
16.10

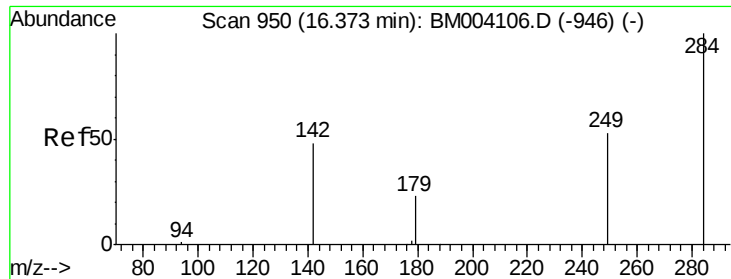
16.20

16.30

16.40

Time-->

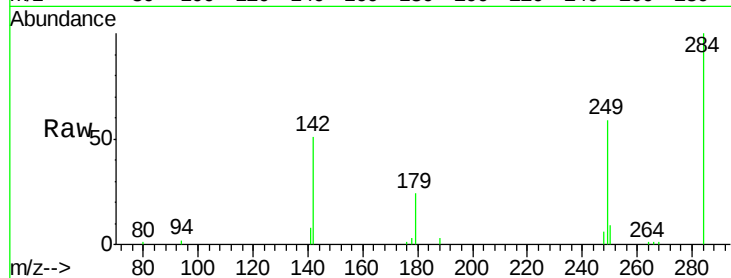




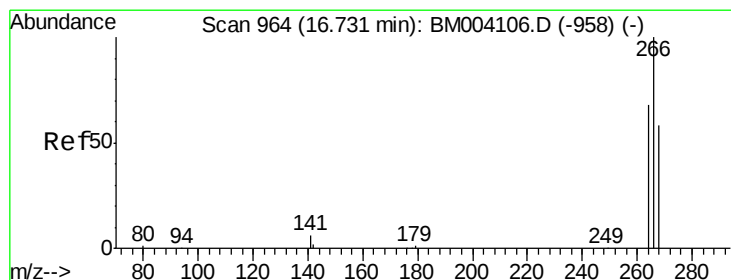
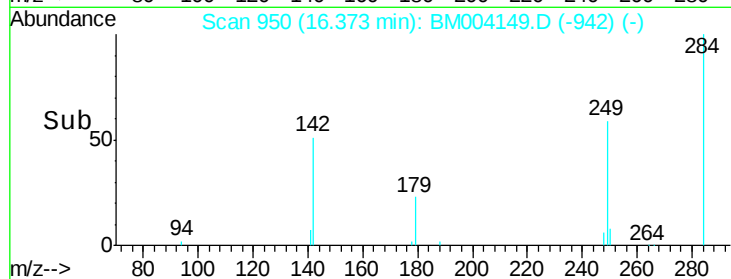
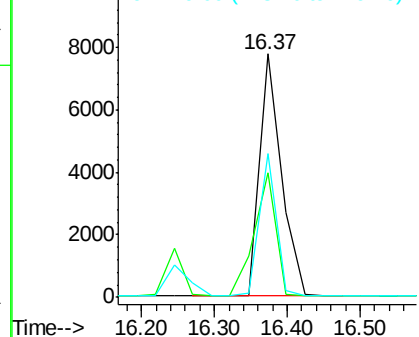
#21
Hexachlorobenzene
Concen: 3.56 ng
RT: 16.37 min Scan# 950
Delta R.T. -0.00 min
Lab File: BM004149.D
Acq: 29 Jan 2016 16:49

Instrument :
BNA_M
ClientSampleId :
PB88052BS

Tgt Ion: 284 Resp: 16076
Ion Ratio Lower Upper
284 100
142 49.9 22.2 33.4#
249 45.5 21.5 32.3#

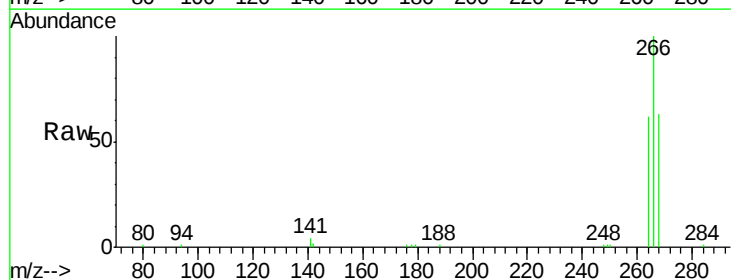


Abundance Ion 283.80 (283.50 to 284.50): E
Ion 142.00 (141.70 to 142.70): E
Ion 249.00 (248.70 to 249.70): E

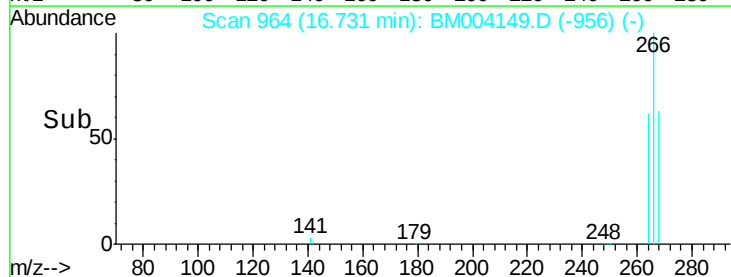
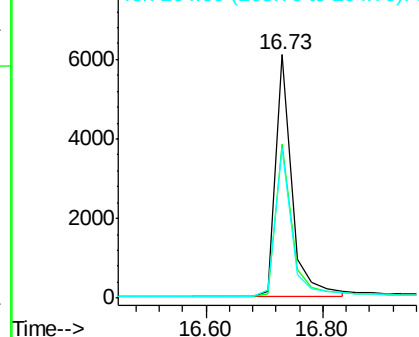


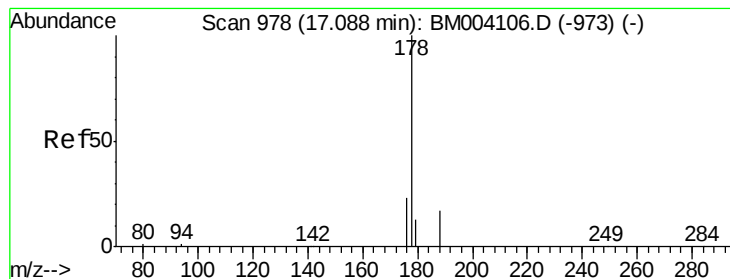
#22
Pentachlorophenol
Concen: 6.52 ng
RT: 16.73 min Scan# 964
Delta R.T. 0.00 min
Lab File: BM004149.D
Acq: 29 Jan 2016 16:49

Tgt Ion: 266 Resp: 11946
Ion Ratio Lower Upper
266 100
268 63.2 62.7 94.1
264 61.9 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: 3.85 ng

RT: 17.09 min Scan# 978

Delta R.T. 0.00 min

Lab File: BM004149.D

Acq: 29 Jan 2016 16:49

Instrument :

BNA_M

ClientSampleId :

PB88052BS

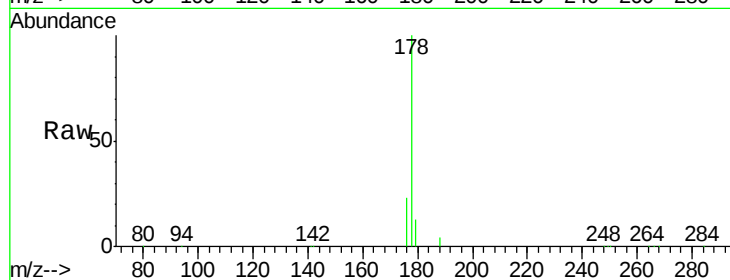
Tgt Ion:178 Resp: 98979

Ion Ratio Lower Upper

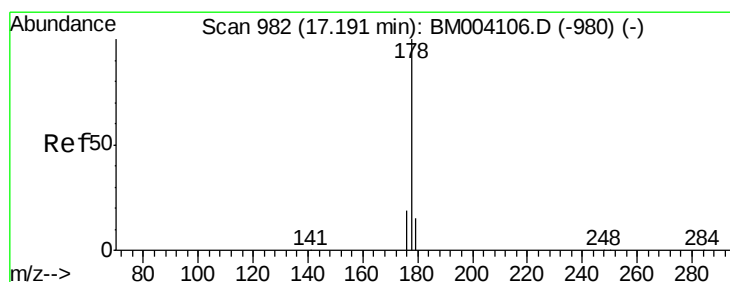
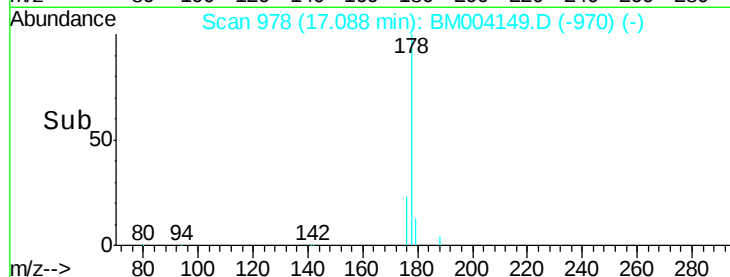
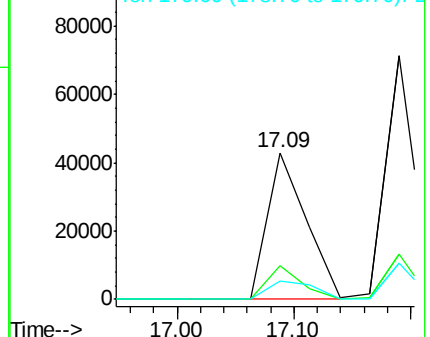
178 100

176 20.3 15.4 23.0

179 14.9 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: 3.98 ng

RT: 17.19 min Scan# 982

Delta R.T. -0.00 min

Lab File: BM004149.D

Acq: 29 Jan 2016 16:49

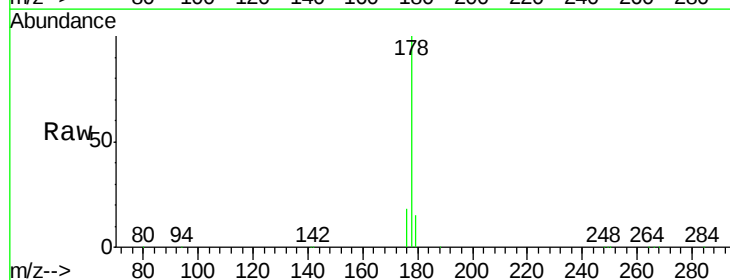
Tgt Ion:178 Resp: 120150

Ion Ratio Lower Upper

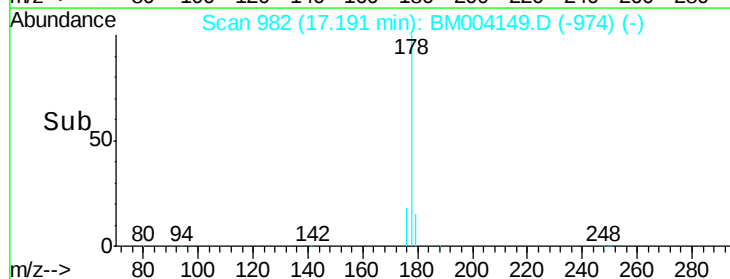
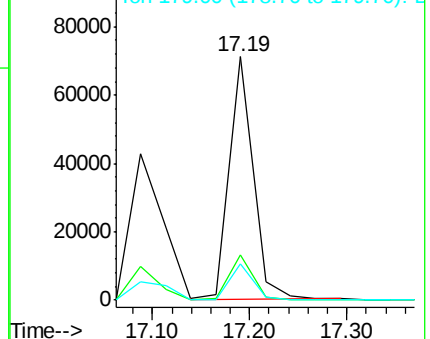
178 100

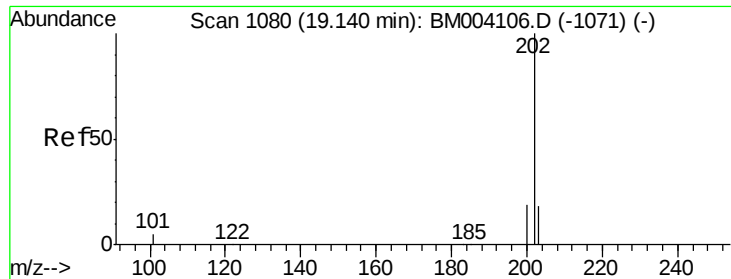
176 18.3 14.6 21.8

179 15.2 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

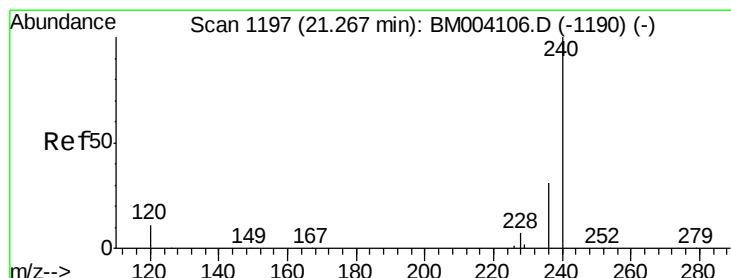
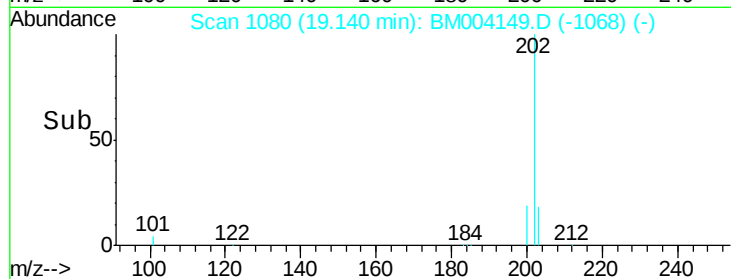
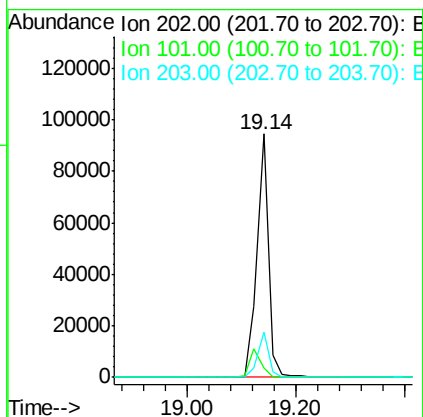
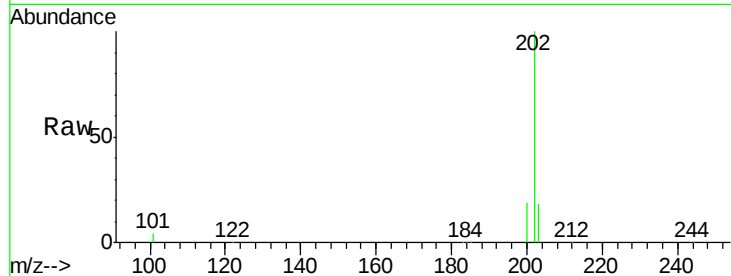




#25
 Fluoranthene
 Concen: 3.84 ng
 RT: 19.14 min Scan# 1080
 Delta R.T. -0.00 min
 Lab File: BM004149.D
 Acq: 29 Jan 2016 16:49

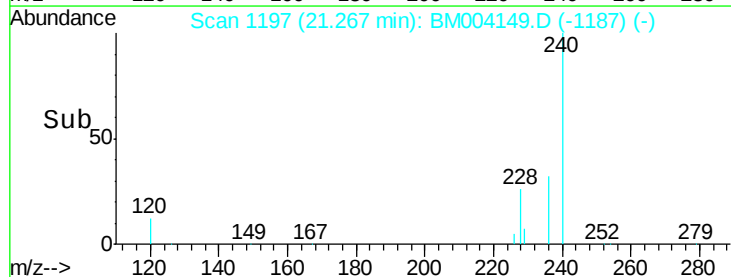
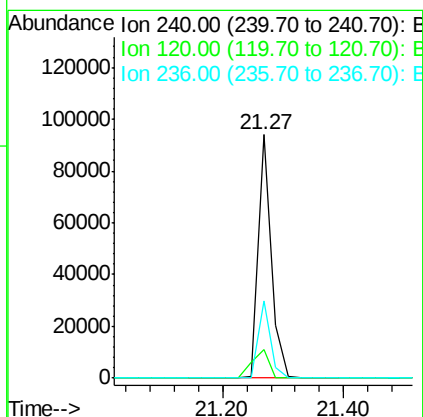
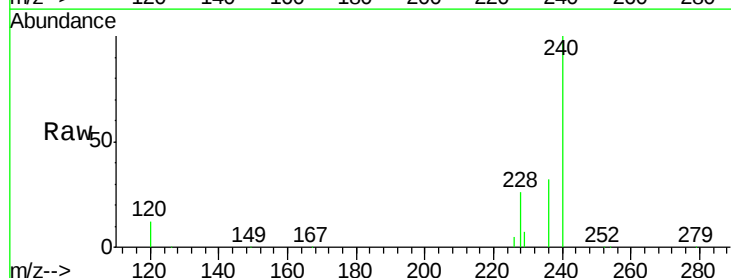
Instrument :
 BNA_M
 ClientSampleId :
 PB88052BS

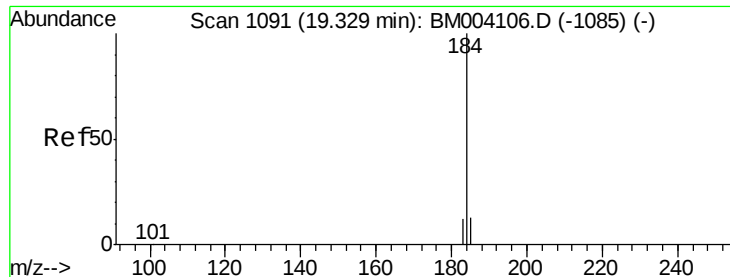
Tgt Ion: 202 Resp: 137278
 Ion Ratio Lower Upper
 202 100
 101 11.9 9.7 14.5
 203 17.6 13.8 20.8



#26
 Chrysene-d12
 Concen: 5.00 ng
 RT: 21.27 min Scan# 1197
 Delta R.T. 0.00 min
 Lab File: BM004149.D
 Acq: 29 Jan 2016 16:49

Tgt Ion: 240 Resp: 143321
 Ion Ratio Lower Upper
 240 100
 120 12.0 0.9 1.3#
 236 31.6 17.3 25.9#





#27

Benzidine

Concen: 6.64 ng

RT: 19.33 min Scan# 1091

Delta R.T. 0.00 min

Lab File: BM004149.D

Acq: 29 Jan 2016 16:49

Instrument :

BNA_M

ClientSampleId :

PB88052BS

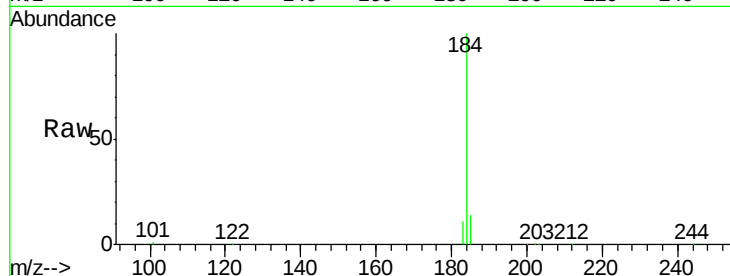
Tgt Ion:184 Resp: 81228

Ion Ratio Lower Upper

184 100

185 14.5 13.2 19.8

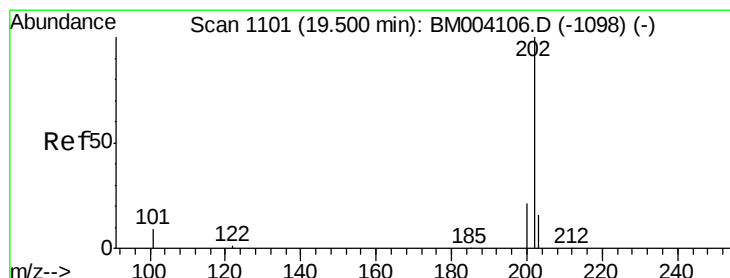
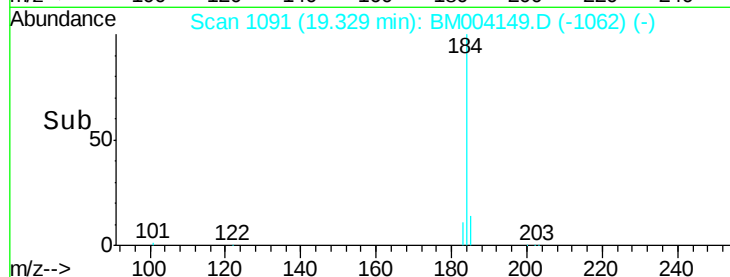
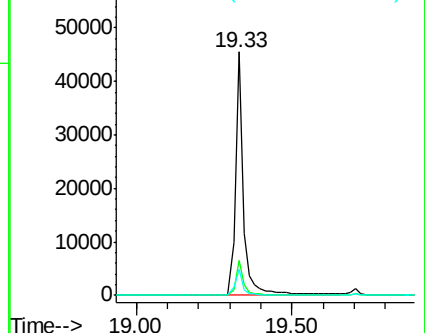
183 10.8 9.0 13.6



Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E



#28

Pyrene

Concen: 3.90 ng

RT: 19.50 min Scan# 1101

Delta R.T. 0.00 min

Lab File: BM004149.D

Acq: 29 Jan 2016 16:49

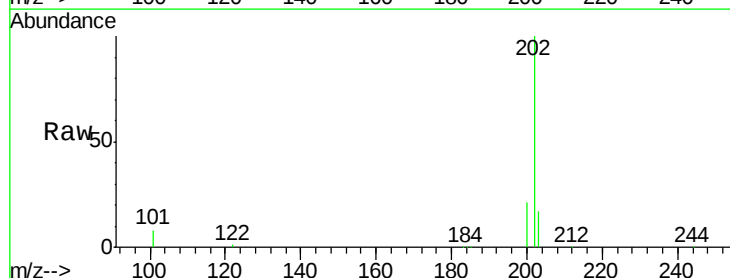
Tgt Ion:202 Resp: 154591

Ion Ratio Lower Upper

202 100

200 21.0 16.6 24.8

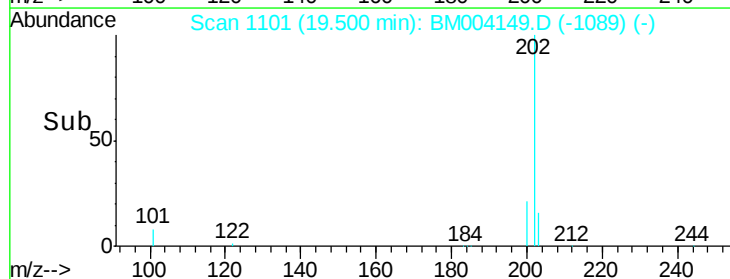
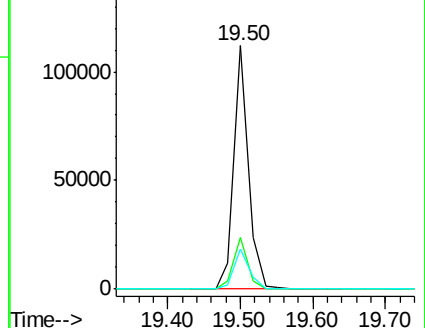
203 17.6 14.0 21.0

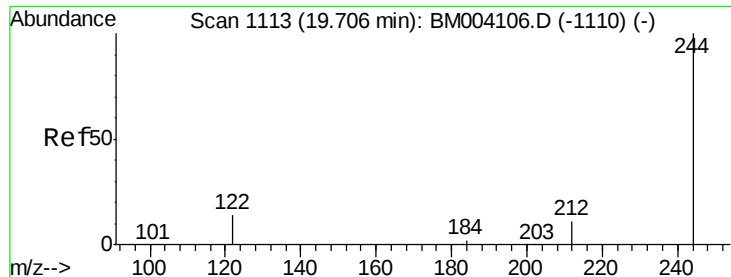


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#29

Terphenyl-d14

Concen: 3.82 ng

RT: 19.71 min Scan# 1113

Delta R.T. 0.00 min

Lab File: BM004149.D

Acq: 29 Jan 2016 16:49

Instrument :

BNA_M

ClientSampleId :

PB88052BS

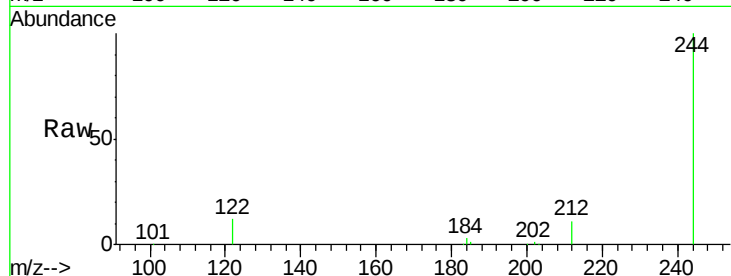
Tgt Ion:244 Resp: 69531

Ion Ratio Lower Upper

244 100

212 10.8 7.0 10.6#

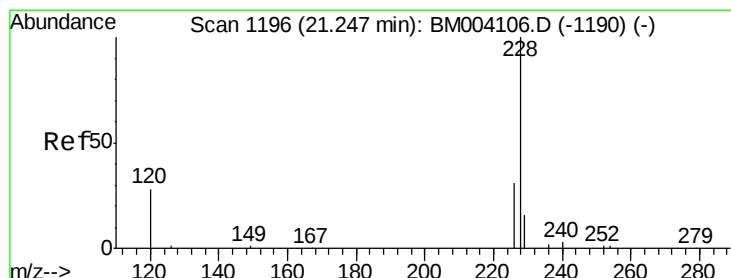
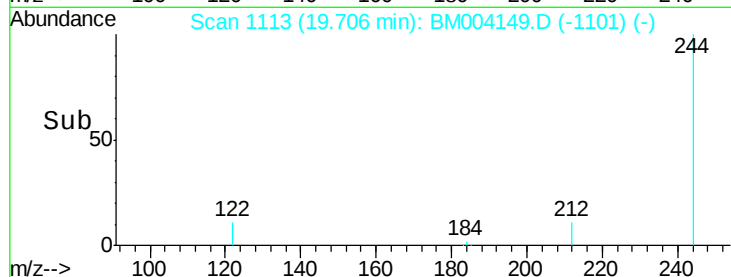
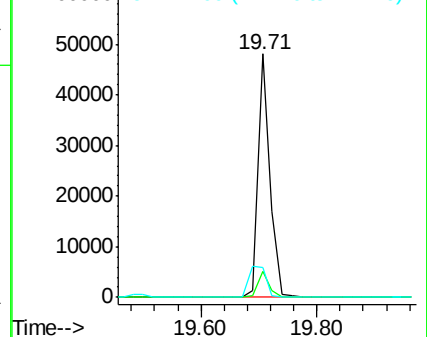
122 12.1 3.0 4.6#



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



#30

Benzo(a)anthracene

Concen: 3.97 ng

RT: 21.25 min Scan# 1196

Delta R.T. 0.00 min

Lab File: BM004149.D

Acq: 29 Jan 2016 16:49

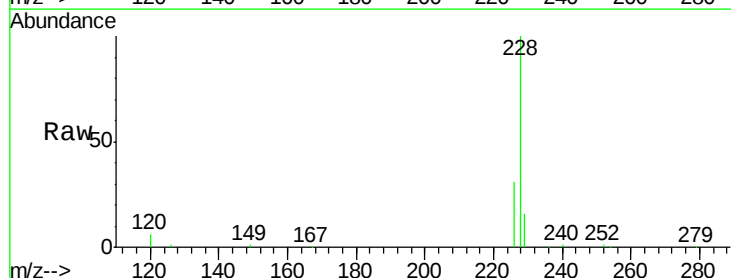
Tgt Ion:228 Resp: 166787

Ion Ratio Lower Upper

228 100

226 31.0 17.2 25.8#

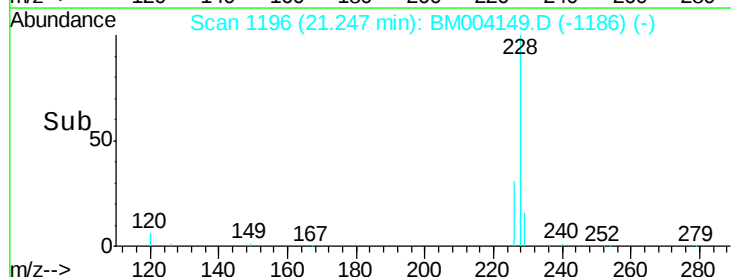
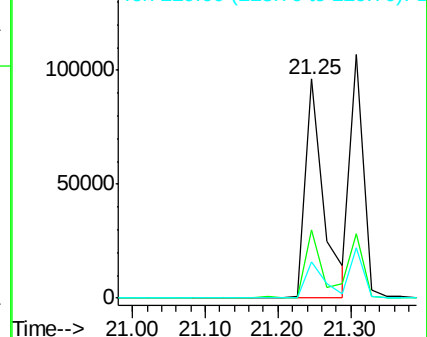
229 16.5 18.7 28.1#

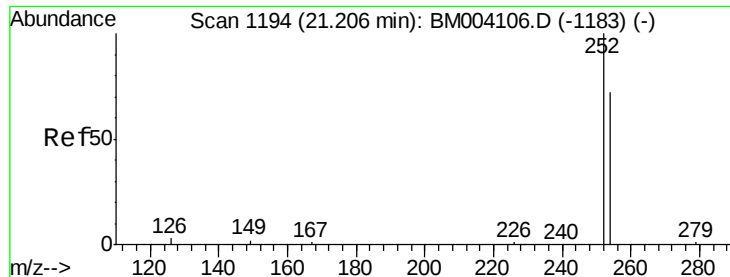


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

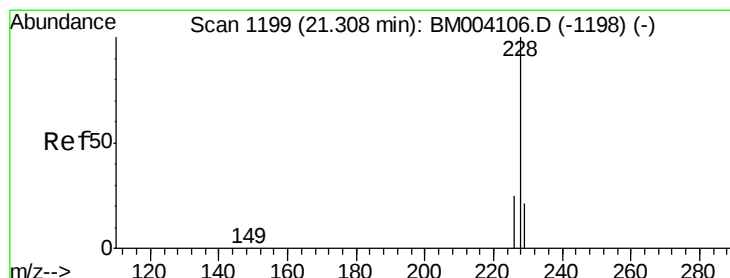
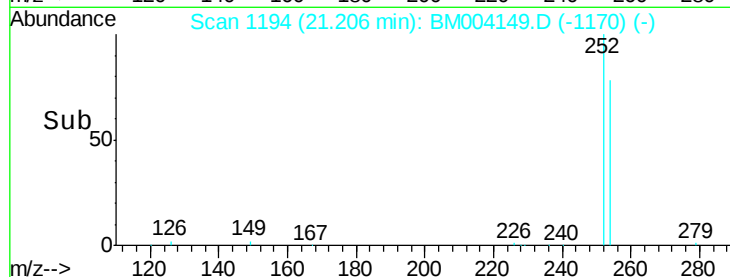
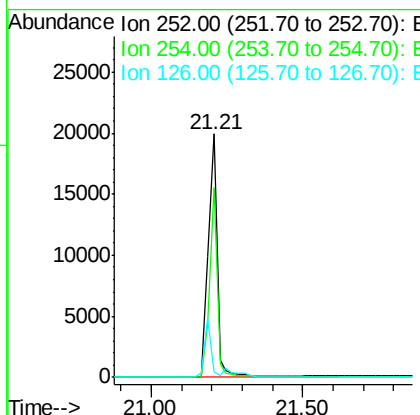
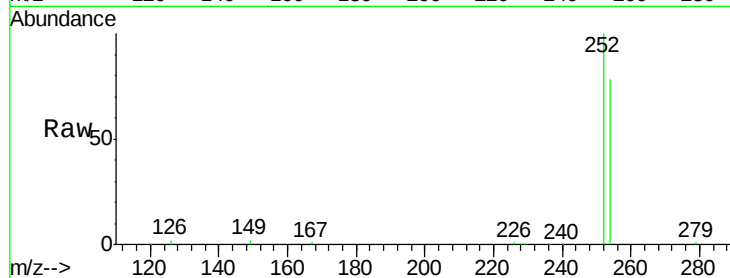




#31
 3,3'-Dichlorobenzidine
 Concen: 3.77 ng
 RT: 21.21 min Scan# 1194
 Delta R.T. 0.00 min
 Lab File: BM004149.D
 Acq: 29 Jan 2016 16:49

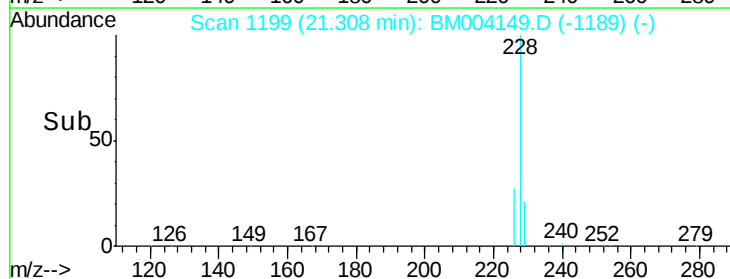
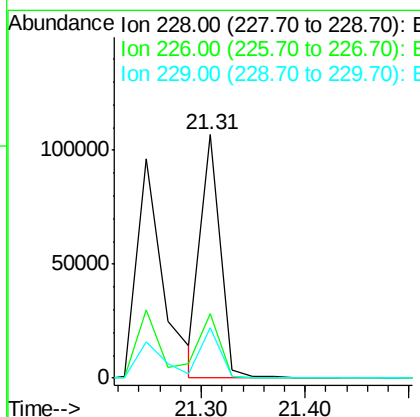
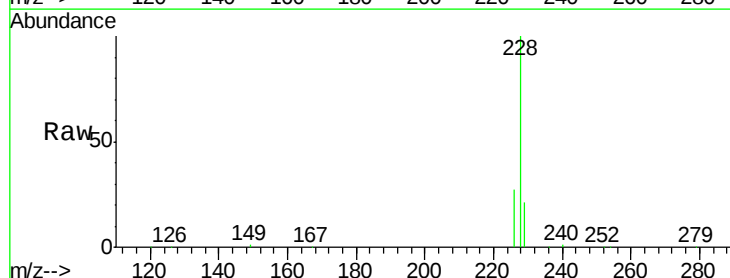
Instrument :
 BNA_M
 ClientSampleId :
 PB88052BS

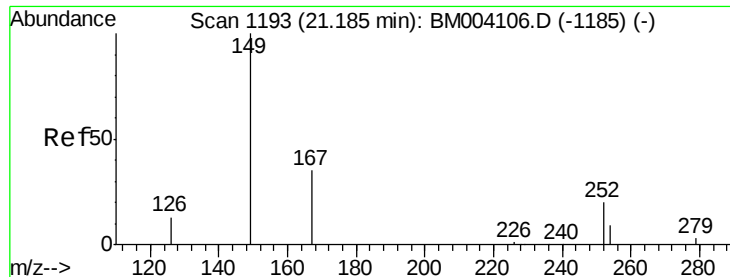
Tgt Ion: 252 Resp: 40427
 Ion Ratio Lower Upper
 252 100
 254 77.7 52.6 79.0
 126 2.2 3.7 5.5#



#32
 Chrysene
 Concen: 3.79 ng
 RT: 21.31 min Scan# 1199
 Delta R.T. 0.00 min
 Lab File: BM004149.D
 Acq: 29 Jan 2016 16:49

Tgt Ion: 228 Resp: 137268
 Ion Ratio Lower Upper
 228 100
 226 26.6 25.3 37.9
 229 20.7 14.5 21.7





#33

Bis(2-ethylhexyl)phthalate

Concen: 3.47 ng

RT: 21.19 min Scan# 1193

Delta R.T. 0.00 min

Lab File: BM004149.D

Acq: 29 Jan 2016 16:49

Instrument :

BNA_M

ClientSampleId :

PB88052BS

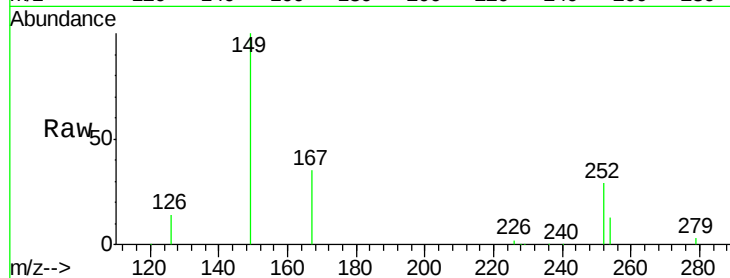
Tgt Ion:149 Resp: 61611

Ion Ratio Lower Upper

149 100

167 29.3 20.1 30.1

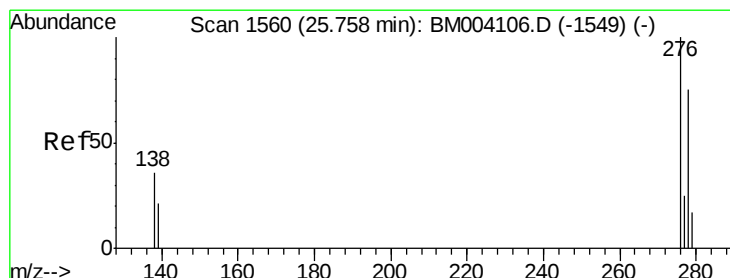
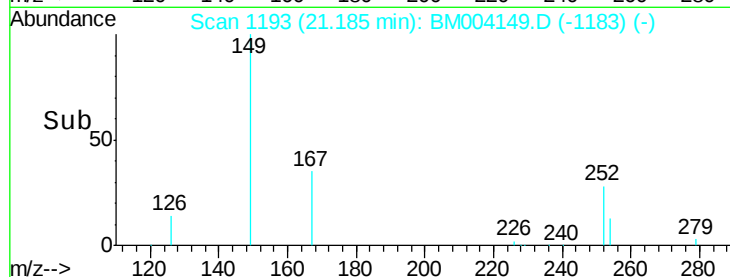
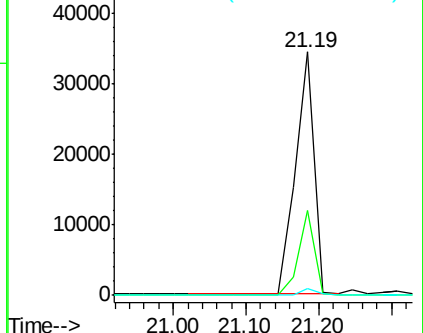
279 2.3 1.8 2.6



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: 3.65 ng

RT: 25.76 min Scan# 1560

Delta R.T. 0.00 min

Lab File: BM004149.D

Acq: 29 Jan 2016 16:49

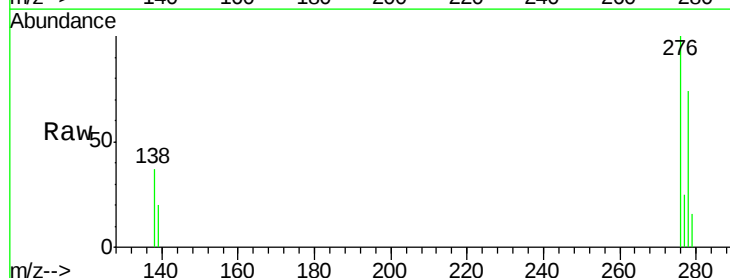
Tgt Ion:276 Resp: 156988

Ion Ratio Lower Upper

276 100

138 37.0 30.2 45.2

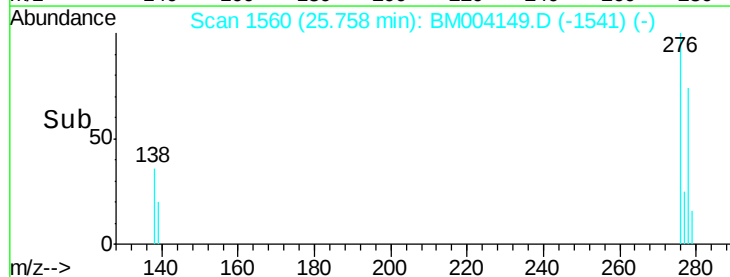
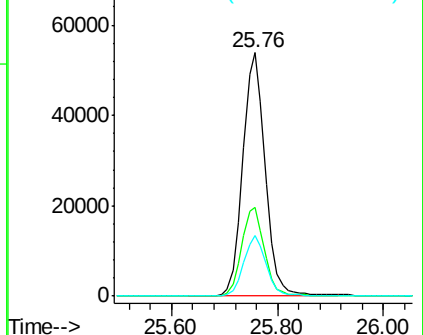
277 24.8 19.8 29.8

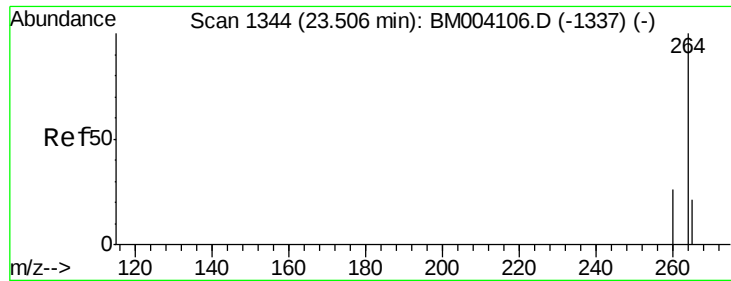


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E

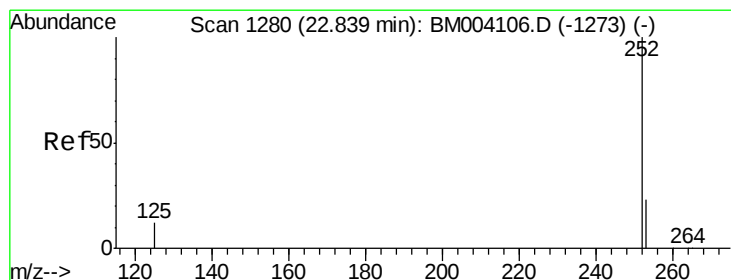
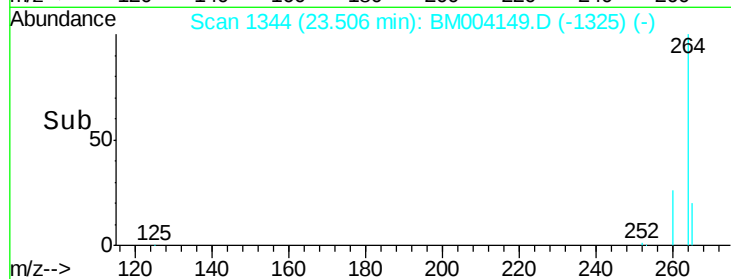
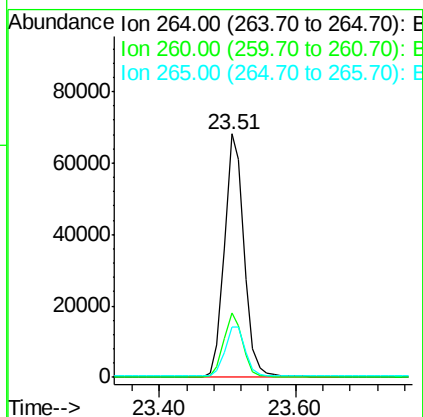
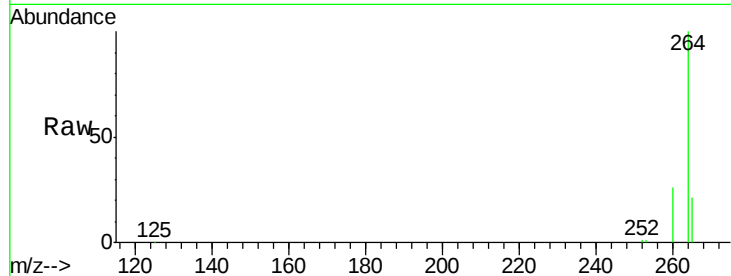




#35
 Perylene-d12
 Concen: 5.00 ng
 RT: 23.51 min Scan# 1344
 Delta R.T. -0.00 min
 Lab File: BM004149.D
 Acq: 29 Jan 2016 16:49

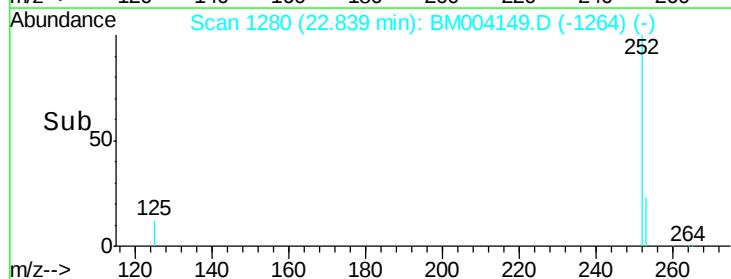
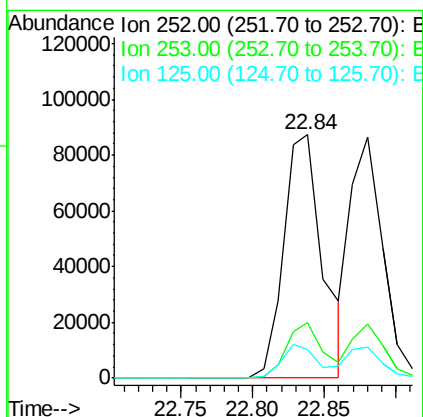
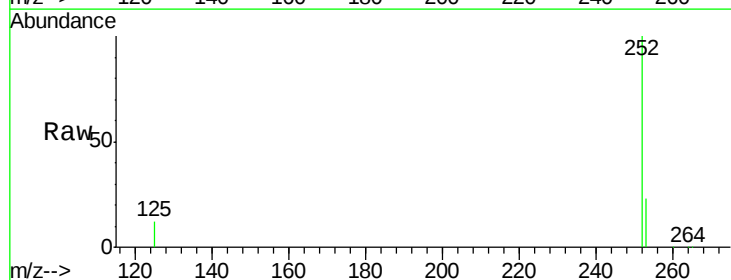
Instrument :
 BNA_M
 ClientSampleId :
 PB88052BS

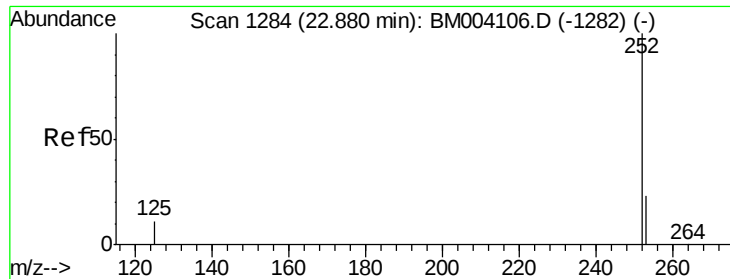
Tgt Ion: 264 Resp: 135783
 Ion Ratio Lower Upper
 264 100
 260 26.4 21.2 31.8
 265 20.9 16.7 25.1



#36
 Benzo(b)fluoranthene
 Concen: 3.94 ng
 RT: 22.84 min Scan# 1280
 Delta R.T. -0.00 min
 Lab File: BM004149.D
 Acq: 29 Jan 2016 16:49

Tgt Ion: 252 Resp: 165845
 Ion Ratio Lower Upper
 252 100
 253 23.0 18.8 28.2
 125 11.9 10.2 15.4





#37

Benzo(k)fluoranthene

Concen: 3.64 ng

RT: 22.88 min Scan# 1284

Delta R.T. -0.00 min

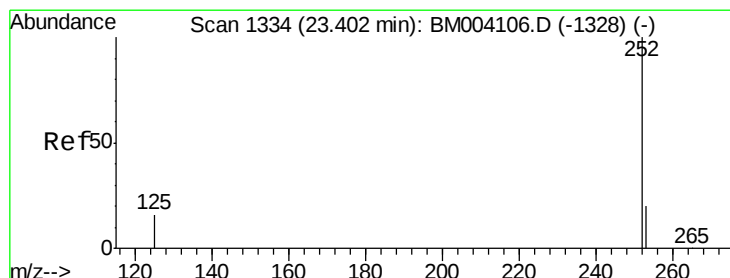
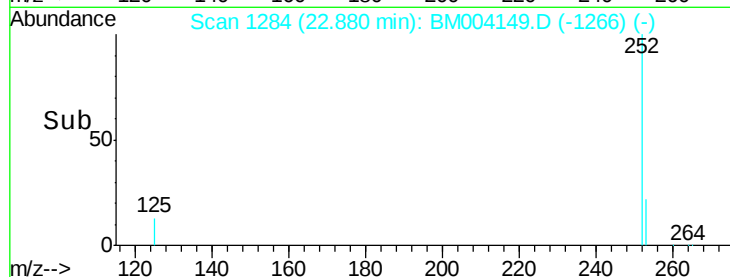
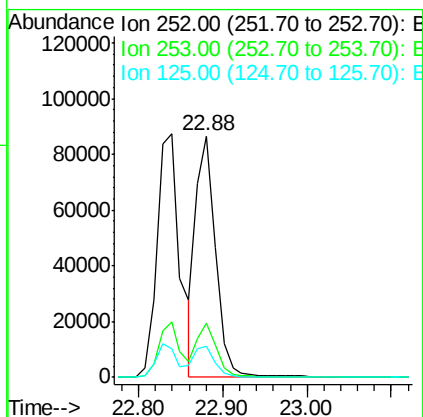
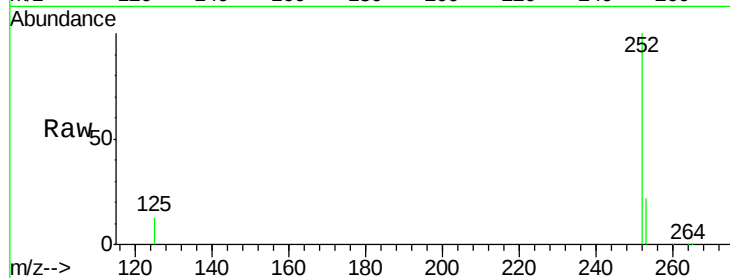
Lab File: BM004149.D

Acq: 29 Jan 2016 16:49

Instrument :
BNA_M
ClientSampleId :
PB88052BS

Tgt Ion: 252 Resp: 138811

Ion	Ratio	Lower	Upper
252	100		
253	22.4	18.3	27.5
125	12.7	10.6	15.8



#38

Benzo(a)pyrene

Concen: 3.88 ng

RT: 23.40 min Scan# 1334

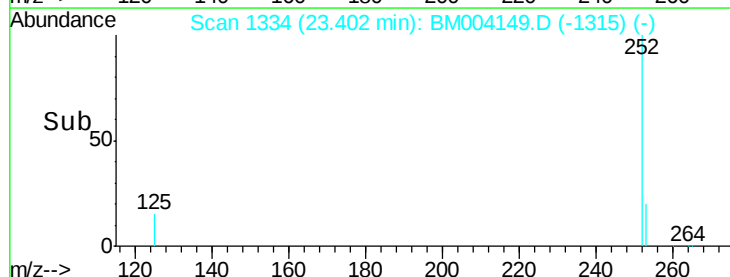
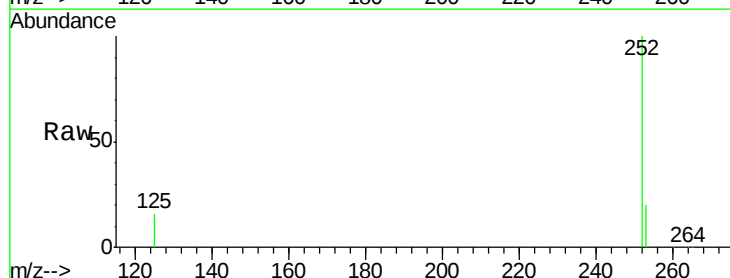
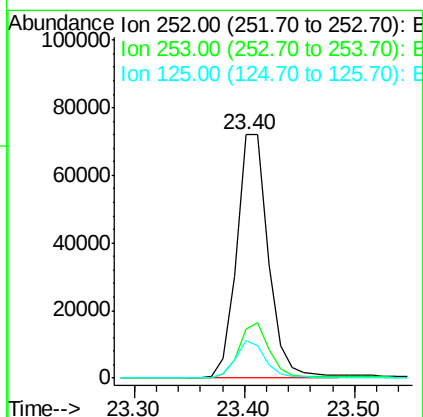
Delta R.T. 0.00 min

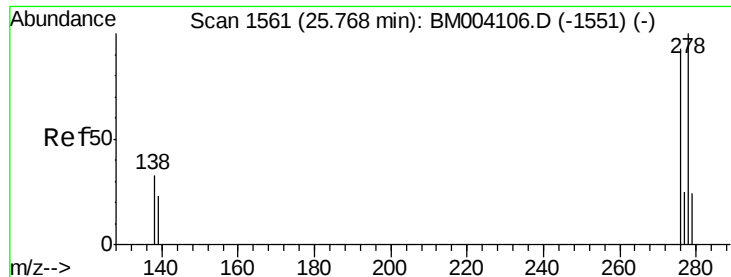
Lab File: BM004149.D

Acq: 29 Jan 2016 16:49

Tgt Ion: 252 Resp: 143720

Ion	Ratio	Lower	Upper
252	100		
253	20.1	18.7	28.1
125	15.6	11.8	17.8





#39

Dibenzo(a,h)anthracene

Concen: 3.75 ng

RT: 25.77 min Scan# 1561

Delta R.T. -0.00 min

Lab File: BM004149.D

Acq: 29 Jan 2016 16:49

Instrument :

BNA_M

ClientSampleId :

PB88052BS

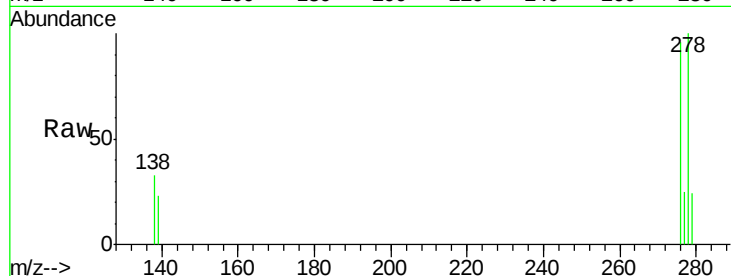
Tgt Ion: 278 Resp: 125018

Ion Ratio Lower Upper

278 100

139 22.9 19.0 28.6

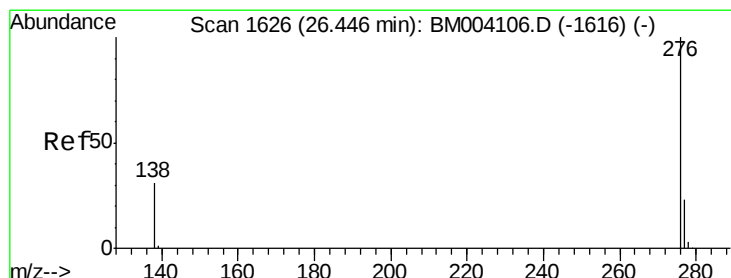
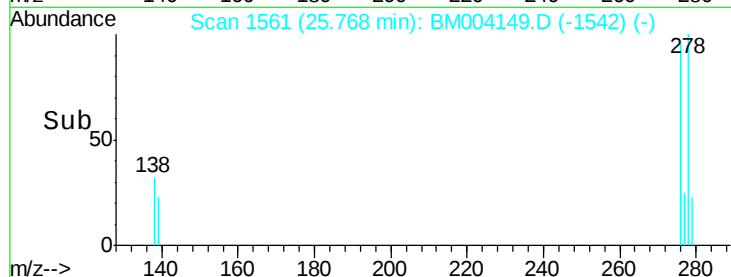
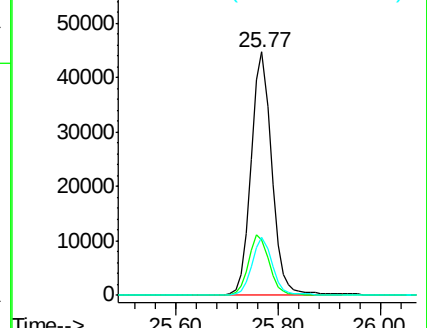
279 23.6 19.6 29.4



Abundance Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E



#40

Benzo(g,h,i)perylene

Concen: 3.68 ng

RT: 26.45 min Scan# 1626

Delta R.T. -0.00 min

Lab File: BM004149.D

Acq: 29 Jan 2016 16:49

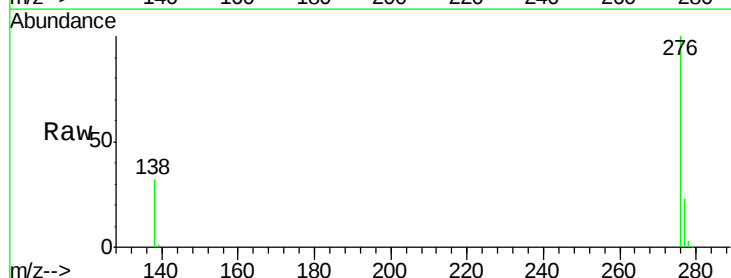
Tgt Ion: 276 Resp: 133776

Ion Ratio Lower Upper

276 100

277 23.2 19.1 28.7

138 31.5 25.0 37.4



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

