

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM013016\
 Data File : BM004148.D
 Acq On : 29 Jan 2016 16:13
 Operator : SJ/IZ
 Sample : PB88052BL
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 PB88052BL

Quant Time: Jan 29 22:14:15 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	16053	5.00	ng	0.00
7) Naphthalene-d8	10.44	136	67629	5.00	ng	0.00
13) Acenaphthene-d10	14.31	164	42821	5.00	ng	0.00
19) Phenanthrene-d10	17.06	188	132896	5.00	ng	0.00
26) Chrysene-d12	21.29	240	118998	5.00	ng	0.02
35) Perylene-d12	23.52	264	123974	5.00	ng	0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) 2-Fluorophenol	5.25	112	24882	7.43	ng	-0.02
5) Phenol-d6	6.85	99	30106	7.45	ng	0.00
8) Nitrobenzene-d5	8.83	82	11869	4.01	ng	0.00
14) 2,4,6-Tribromophenol	15.82	330	9277	5.61	ng	0.00
15) 2-Fluorobiphenyl	12.93	172	53153	4.05	ng	0.00
29) Terphenyl-d14	19.71	244	75465	4.99	ng	0.00

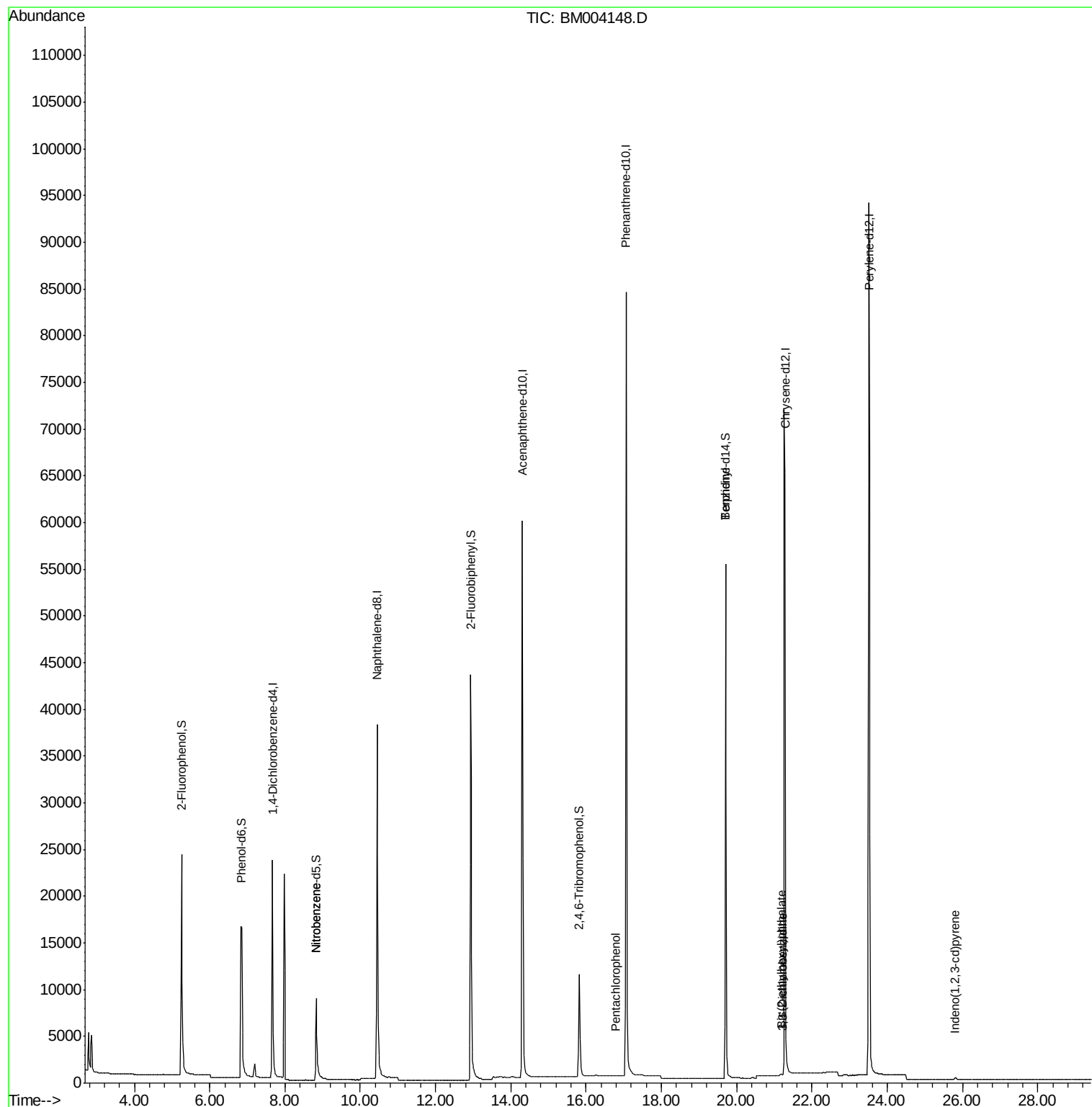
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Nitrobenzene	8.83	77	49	0.23	ng	# 32
22) Pentachlorophenol	16.78	266	3	0.22	ng	# 61
23) Phenanthrene	17.06	178	66	Below Cal		# 1
27) Benzidine	19.71	184	1812	0.45	ng	# 88
28) Pyrene	19.52	202	42	Below Cal		# 66
30) Benzo(a)anthracene	21.27	228	583	Below Cal		# 84
31) 3,3'-Dichlorobenzidine	21.23	252	26	0.02	ng	# 60
32) Chrysene	21.27	228	589	Below Cal		# 80
33) Bis(2-ethylhexyl)phthalate	21.19	149	351	0.05	ng	# 90
34) Indeno(1,2,3-cd)pyrene	25.81	276	286	0.03	ng	94

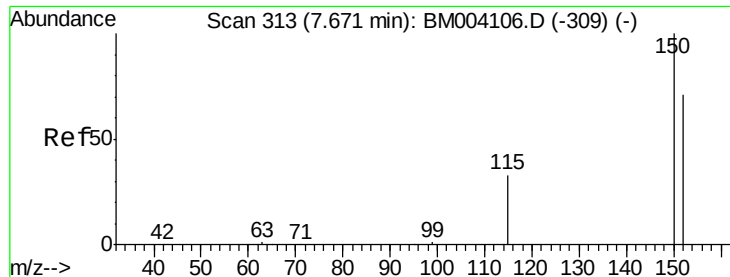
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: BM004148.D

Acq: 29 Jan 2016 16:13

Instrument :

BNA_M

ClientSampleId :

PB88052BL

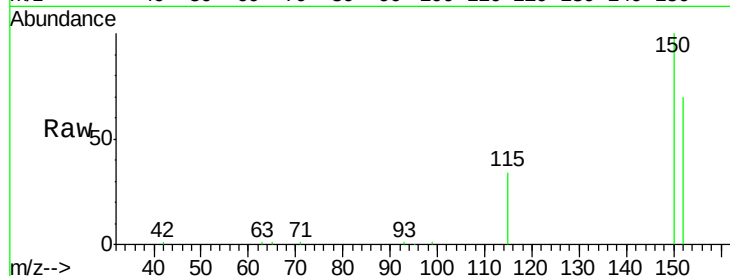
Tgt Ion:152 Resp: 16053

Ion Ratio Lower Upper

152 100

150 142.1 122.9 184.3

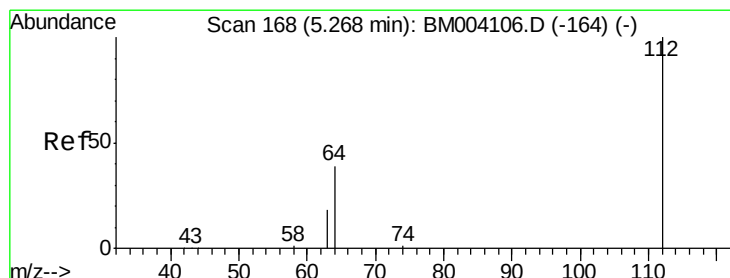
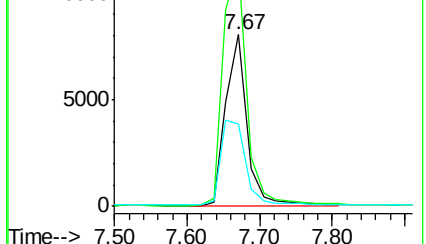
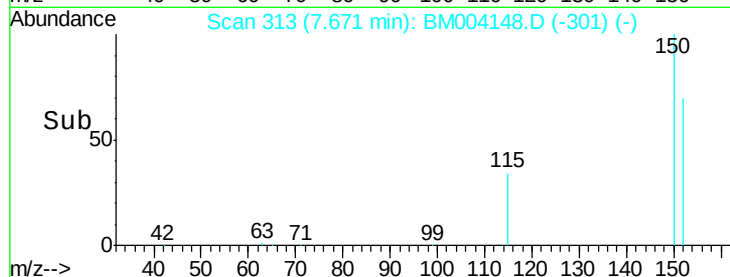
115 48.3 44.4 66.6



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



#4

2-Fluorophenol

Concen: 7.43 ng

RT: 5.25 min Scan# 167

Delta R.T. -0.02 min

Lab File: BM004148.D

Acq: 29 Jan 2016 16:13

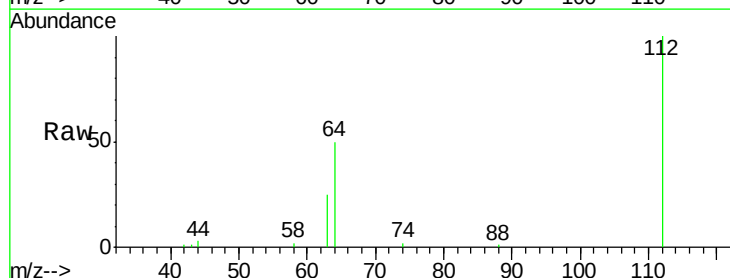
Tgt Ion:112 Resp: 24882

Ion Ratio Lower Upper

112 100

64 52.7 41.8 62.8

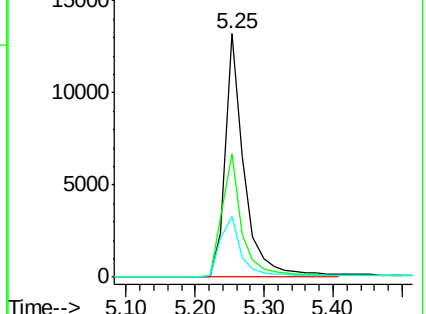
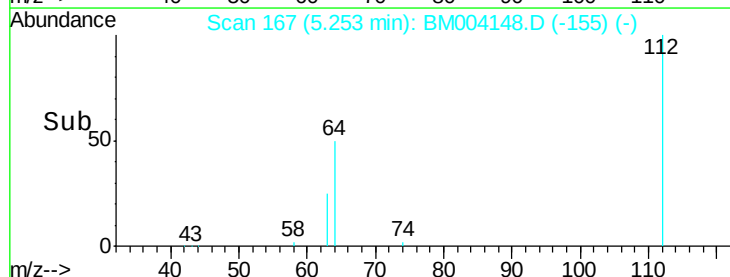
63 27.6 22.1 33.1

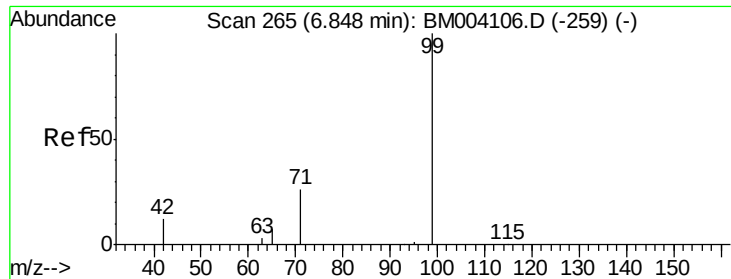


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BM0

Ion 63.00 (62.70 to 63.70): BM0





#5

Phenol-d6

Concen: 7.45 ng

RT: 6.85 min Scan# 265

Delta R.T. 0.00 min

Lab File: BM004148.D

Acq: 29 Jan 2016 16:13

Instrument :

BNA_M

ClientSampleId :

PB88052BL

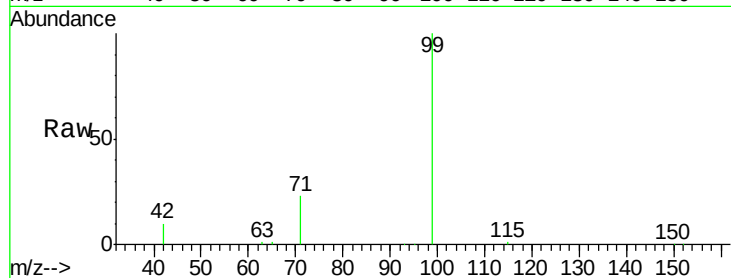
Tgt Ion: 99 Resp: 30106

Ion Ratio Lower Upper

99 100

42 18.5 16.2 24.2

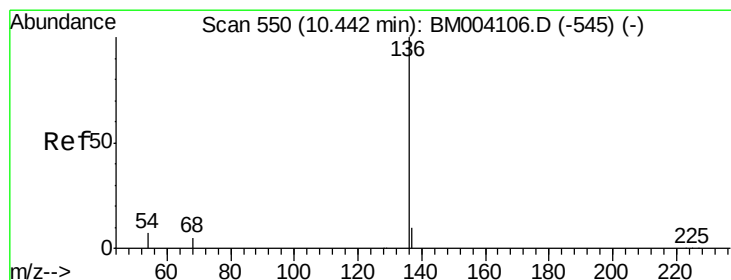
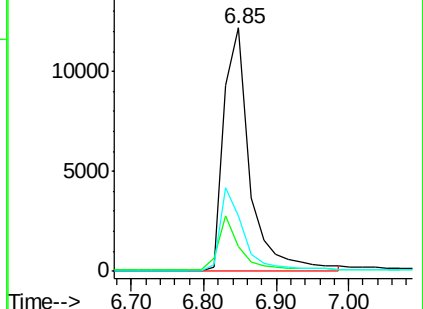
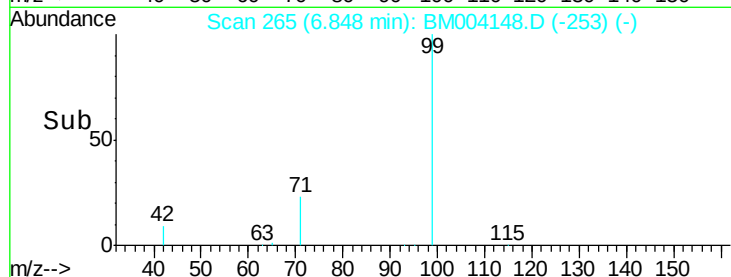
71 31.1 24.4 36.6



Abundance Ion 99.00 (98.70 to 99.70): BM004148.D (-253) (-)

Ion 42.00 (41.70 to 42.70): BM004148.D (-253) (-)

Ion 71.00 (70.70 to 71.70): BM004148.D (-253) (-)



#7

Naphthalene-d8

Concen: 5.00 ng

RT: 10.44 min Scan# 550

Delta R.T. 0.00 min

Lab File: BM004148.D

Acq: 29 Jan 2016 16:13

Tgt Ion: 136 Resp: 67629

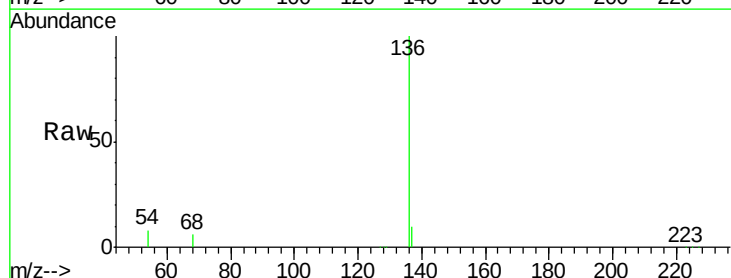
Ion Ratio Lower Upper

136 100

137 10.4 9.2 13.8

54 8.0 2.8 4.2#

68 5.9 2.5 3.7#

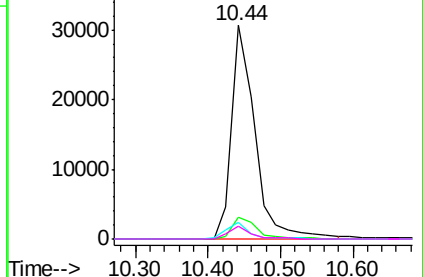
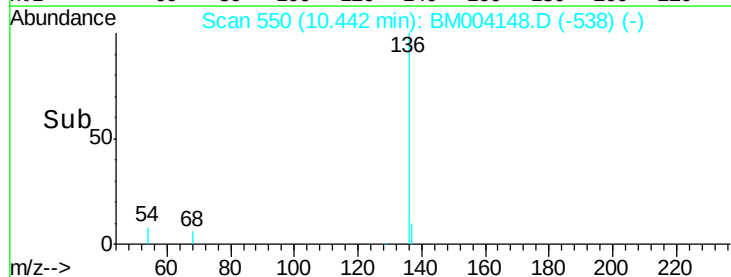


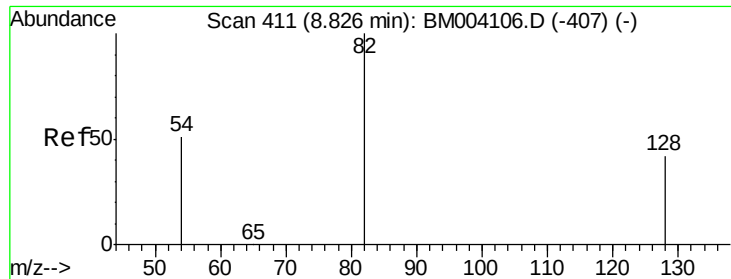
Abundance Ion 136.00 (135.70 to 136.70): BM004148.D (-538) (-)

Ion 137.00 (136.70 to 137.70): BM004148.D (-538) (-)

Ion 54.00 (53.70 to 54.70): BM004148.D (-538) (-)

Ion 68.00 (67.70 to 68.70): BM004148.D (-538) (-)





#8

Nitrobenzene-d5

Concen: 4.01 ng

RT: 8.83 min Scan# 411

Delta R.T. 0.00 min

Lab File: BM004148.D

Acq: 29 Jan 2016 16:13

Instrument :

BNA_M

ClientSampleId :

PB88052BL

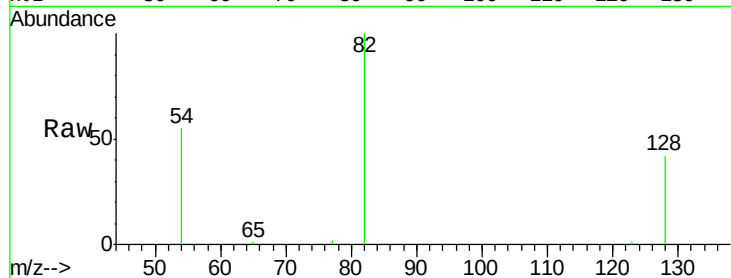
Tgt Ion: 82 Resp: 11869

Ion Ratio Lower Upper

82 100

128 41.6 39.1 58.7

54 55.1 34.8 52.2#

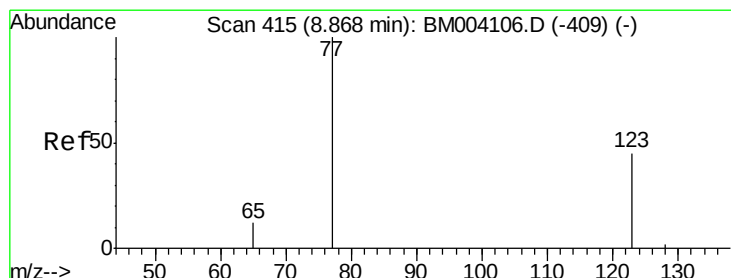
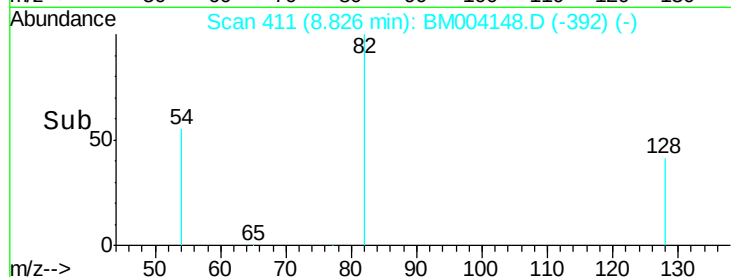


Abundance Ion 82.00 (81.70 to 82.70): BM004148.D (-392) (-)

Ion 128.00 (127.70 to 128.70): BM004148.D (-392) (-)

Ion 54.00 (53.70 to 54.70): BM004148.D (-392) (-)

Time-->



#9

Nitrobenzene

Concen: 0.23 ng

RT: 8.83 min Scan# 411

Delta R.T. -0.04 min

Lab File: BM004148.D

Acq: 29 Jan 2016 16:13

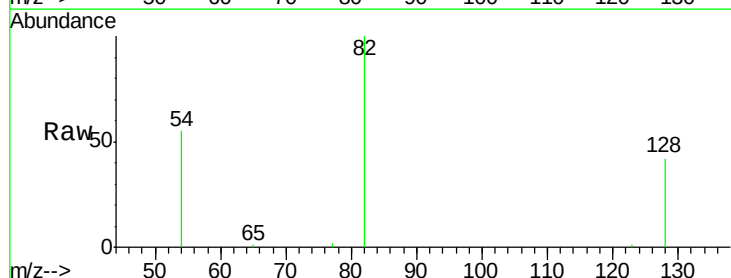
Tgt Ion: 77 Resp: 49

Ion Ratio Lower Upper

77 100

123 2.0 38.6 57.8#

65 38.8 9.9 14.9#

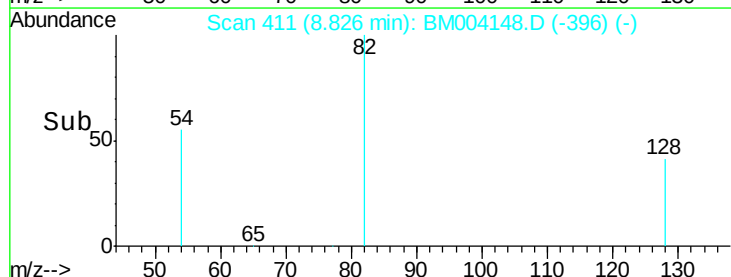


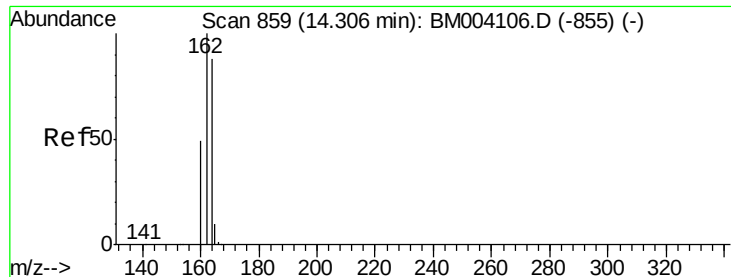
Abundance Ion 77.00 (76.70 to 77.70): BM004148.D (-396) (-)

Ion 123.00 (122.70 to 123.70): BM004148.D (-396) (-)

Ion 65.00 (64.70 to 65.70): BM004148.D (-396) (-)

Time-->





#13

Acenaphthene-d10

Concen: 5.00 ng

RT: 14.31 min Scan# 859

Delta R.T. 0.00 min

Lab File: BM004148.D

Acq: 29 Jan 2016 16:13

Instrument :

BNA_M

ClientSampleId :

PB88052BL

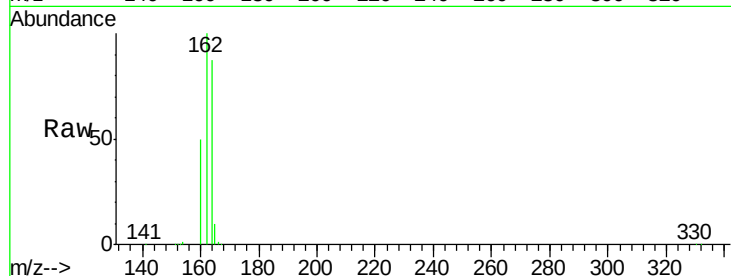
Tgt Ion:164 Resp: 42821

Ion Ratio Lower Upper

164 100

162 114.5 86.0 129.0

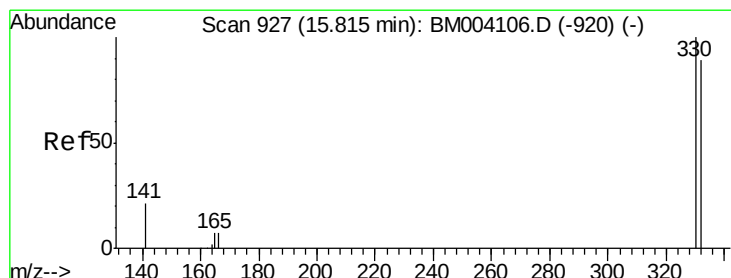
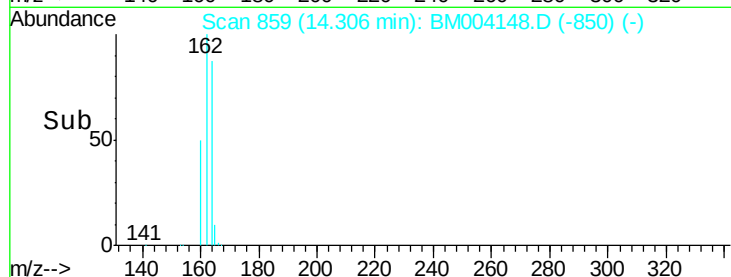
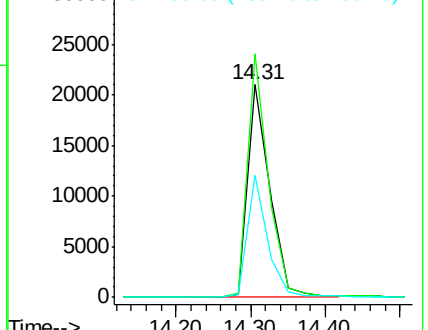
160 57.3 40.3 60.5



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: 5.61 ng

RT: 15.82 min Scan# 927

Delta R.T. 0.00 min

Lab File: BM004148.D

Acq: 29 Jan 2016 16:13

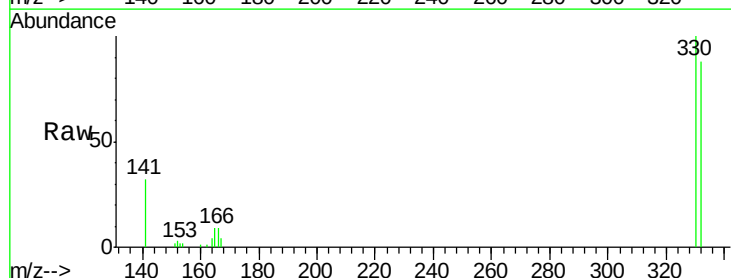
Tgt Ion:330 Resp: 9277

Ion Ratio Lower Upper

330 100

332 94.2 79.0 118.4

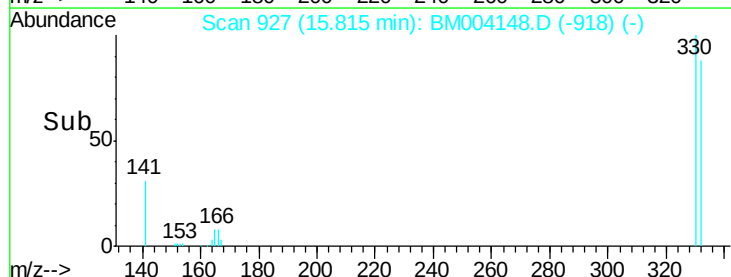
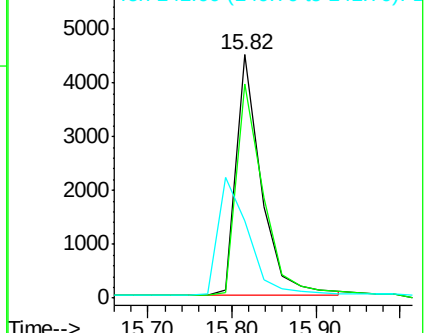
141 0.0 27.8 41.6#

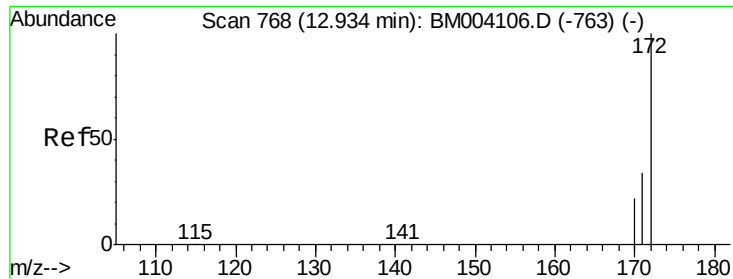


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

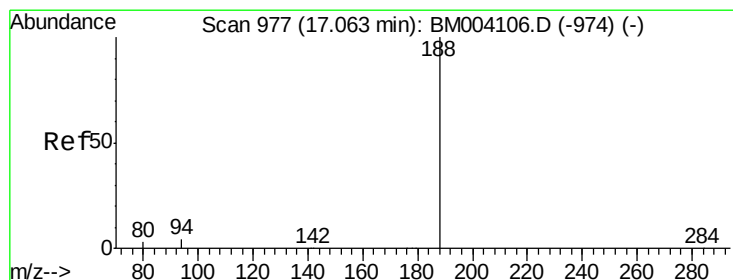
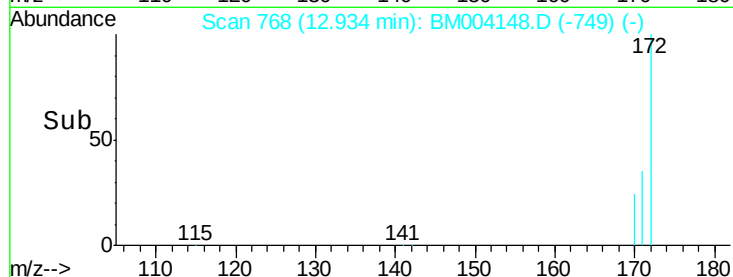
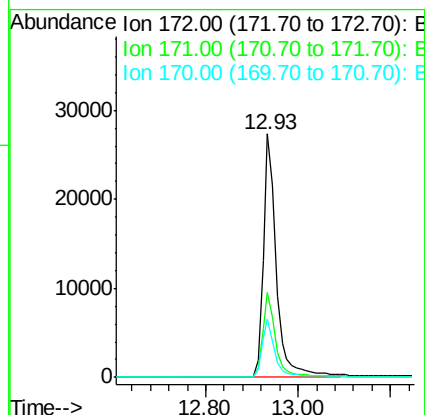
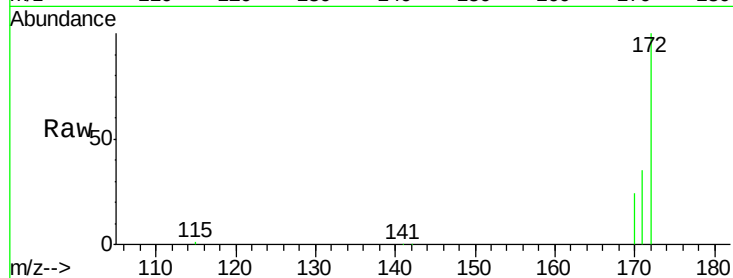




#15
2-Fluorobiphenyl
Concen: 4.05 ng
RT: 12.93 min Scan# 768
Delta R.T. 0.00 min
Lab File: BM004148.D
Acq: 29 Jan 2016 16:13

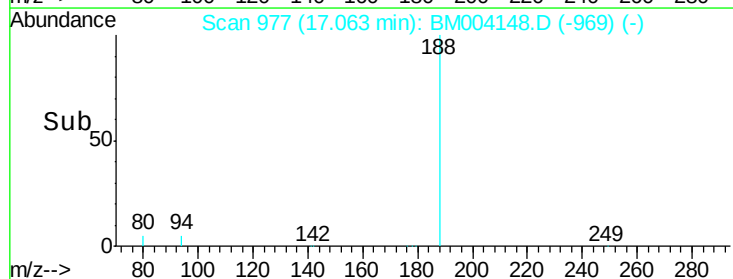
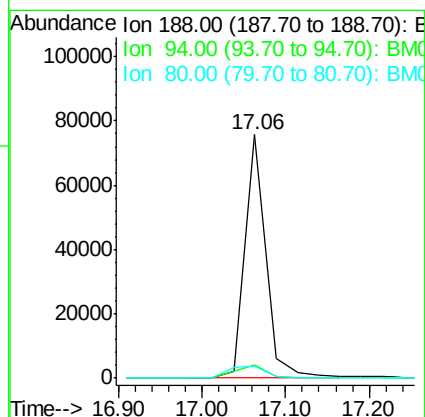
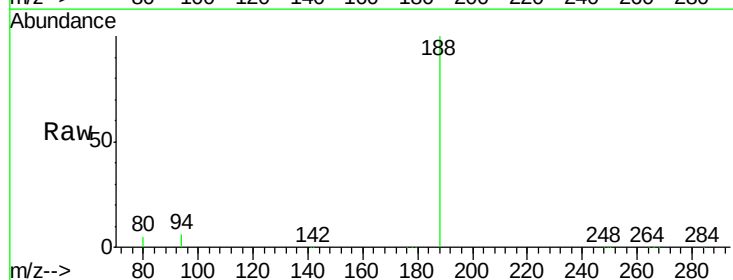
Instrument :
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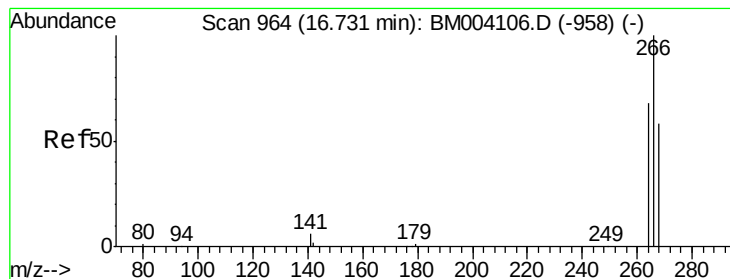
Tgt Ion:172 Resp: 53153
Ion Ratio Lower Upper
172 100
171 35.1 27.0 40.6
170 23.7 17.9 26.9



#19
Phenanthrene-d10
Concen: 5.00 ng
RT: 17.06 min Scan# 977
Delta R.T. 0.00 min
Lab File: BM004148.D
Acq: 29 Jan 2016 16:13

Tgt Ion:188 Resp: 132896
Ion Ratio Lower Upper
188 100
94 5.6 20.3 30.5#
80 5.0 22.2 33.4#





#22

Pentachlorophenol

Concen: 0.22 ng

RT: 16.78 min Scan# 966

Delta R.T. 0.05 min

Lab File: BM004148.D

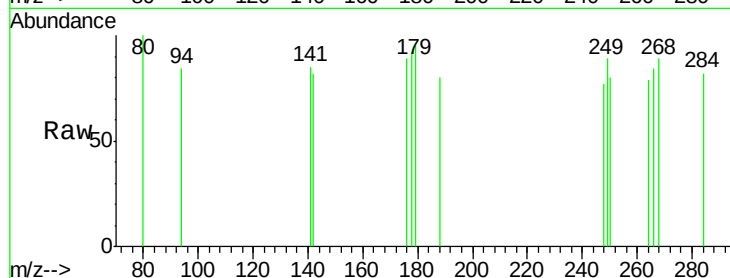
Acq: 29 Jan 2016 16:13

Instrument :

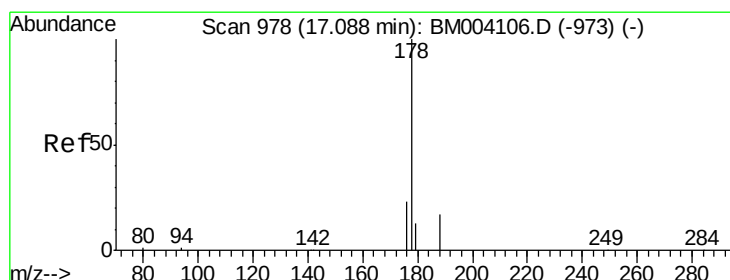
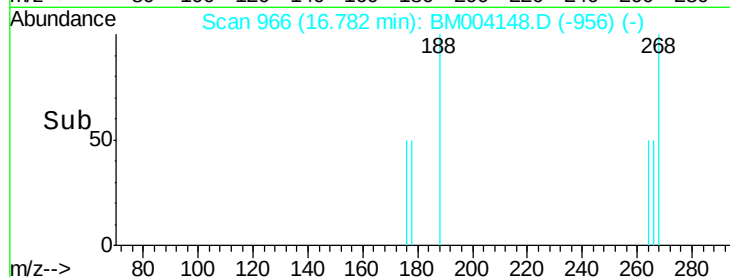
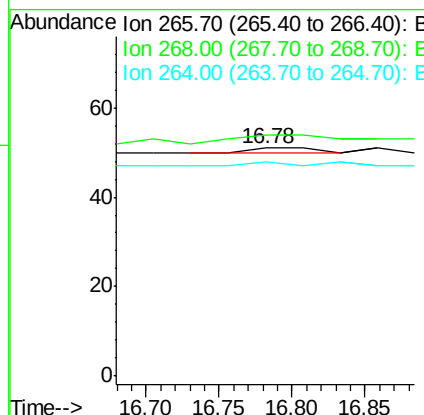
BNA_M

ClientSampleId :

PB88052BL



Tgt Ion:	266	Resp:	3
Ion	Ratio	Lower	Upper
266	100		
268	105.9	62.7	94.1#
264	94.1	45.7	68.5#



#23

Phenanthrene

Concen: Below Cal

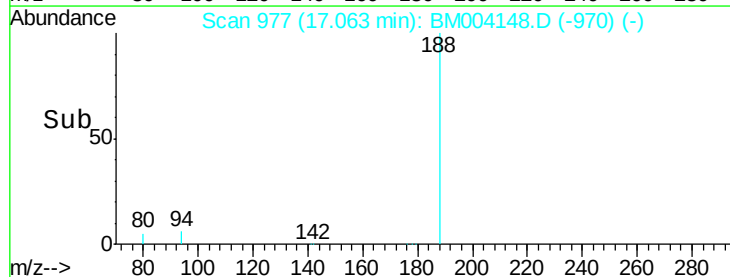
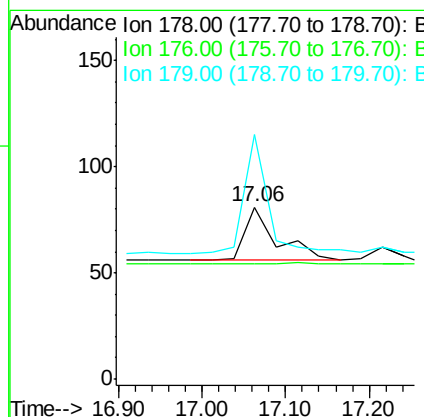
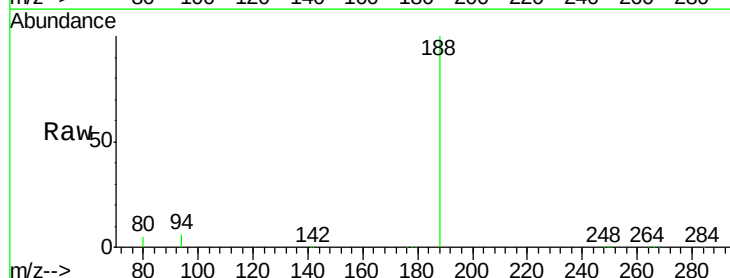
RT: 17.06 min Scan# 977

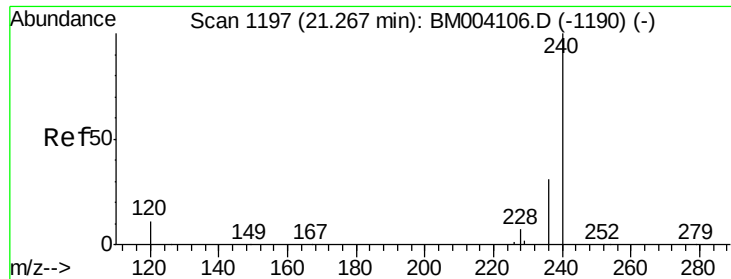
Delta R.T. -0.03 min

Lab File: BM004148.D

Acq: 29 Jan 2016 16:13

Tgt Ion:	178	Resp:	66
Ion	Ratio	Lower	Upper
178	100		
176	0.0	15.4	23.0#
179	171.2	12.2	18.4#





#26

Chrysene-d12

Concen: 5.00 ng

RT: 21.29 min Scan# 1198

Delta R.T. 0.02 min

Lab File: BM004148.D

Acq: 29 Jan 2016 16:13

Instrument :

BNA_M

ClientSampleId :

PB88052BL

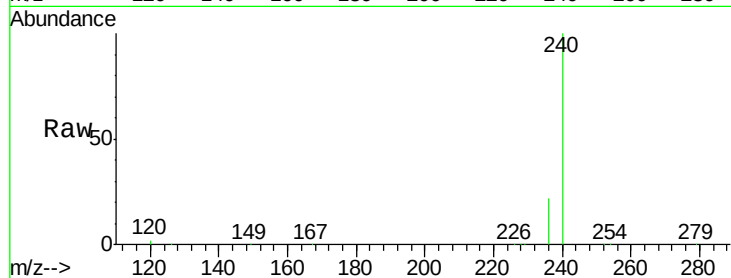
Tgt Ion:240 Resp: 118998

Ion Ratio Lower Upper

240 100

120 2.0 0.9 1.3#

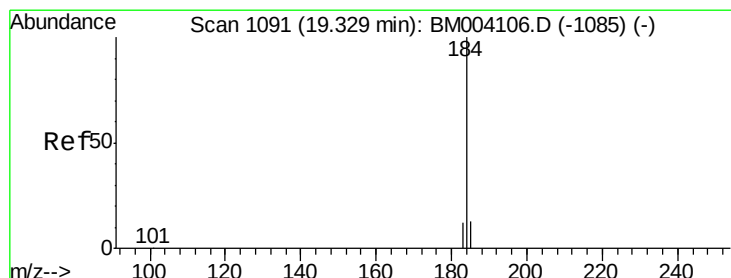
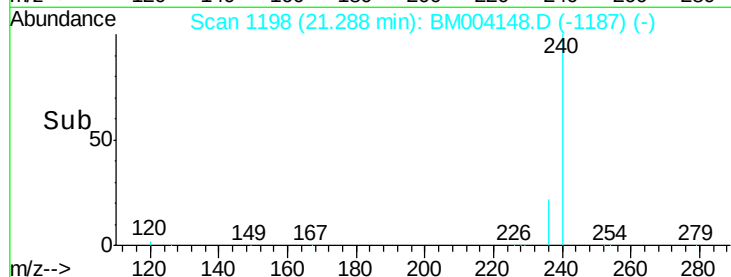
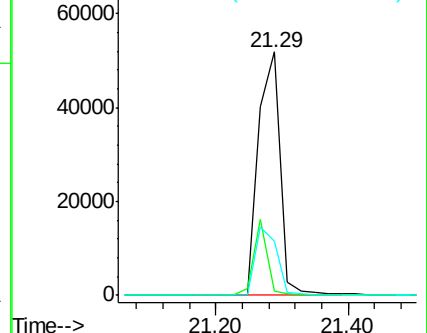
236 22.4 17.3 25.9



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: 0.45 ng

RT: 19.71 min Scan# 1113

Delta R.T. 0.38 min

Lab File: BM004148.D

Acq: 29 Jan 2016 16:13

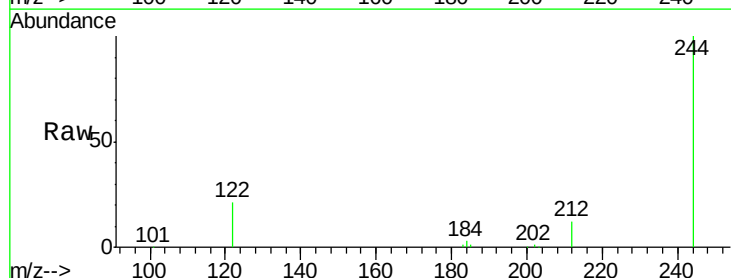
Tgt Ion:184 Resp: 1812

Ion Ratio Lower Upper

184 100

185 21.3 13.2 19.8#

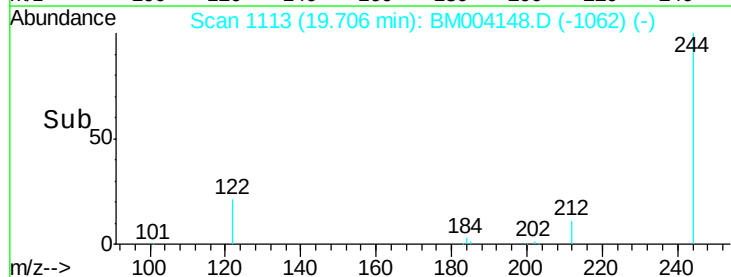
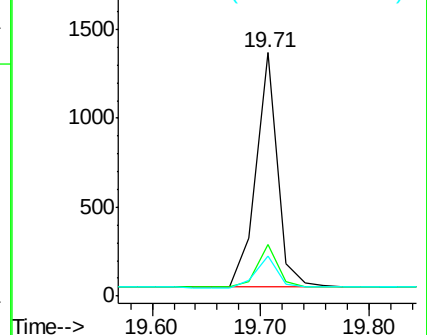
183 16.7 9.0 13.6#

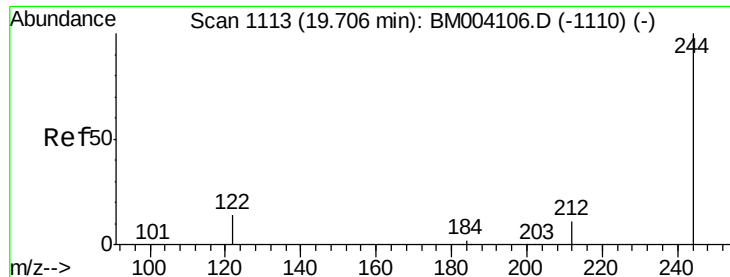


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E





#29

Terphenyl-d14

Concen: 4.99 ng

RT: 19.71 min Scan# 1113

Delta R.T. 0.00 min

Lab File: BM004148.D

Acq: 29 Jan 2016 16:13

Instrument :

BNA_M

ClientSampled :

PB88052BL

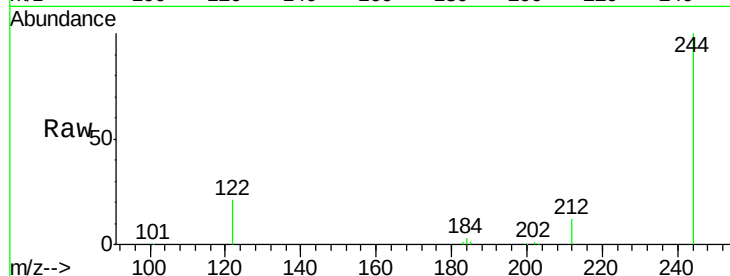
Tgt Ion:244 Resp: 75465

Ion Ratio Lower Upper

244 100

212 11.6 7.0 10.6#

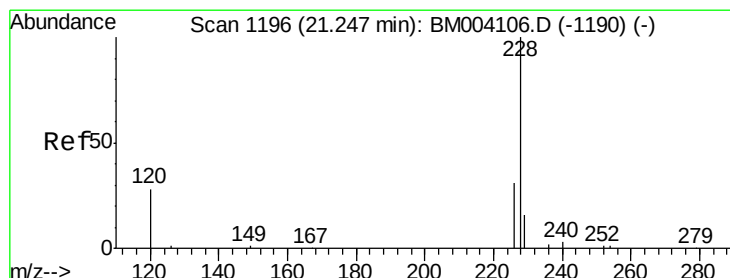
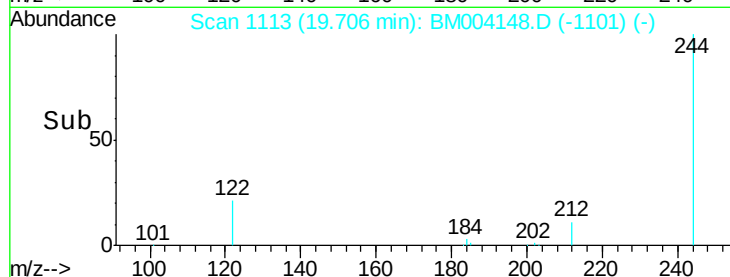
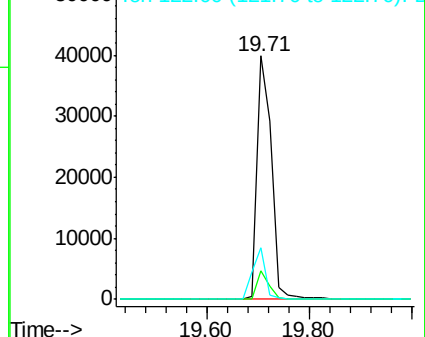
122 21.2 3.0 4.6#



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: Below Cal

RT: 21.27 min Scan# 1197

Delta R.T. 0.02 min

Lab File: BM004148.D

Acq: 29 Jan 2016 16:13

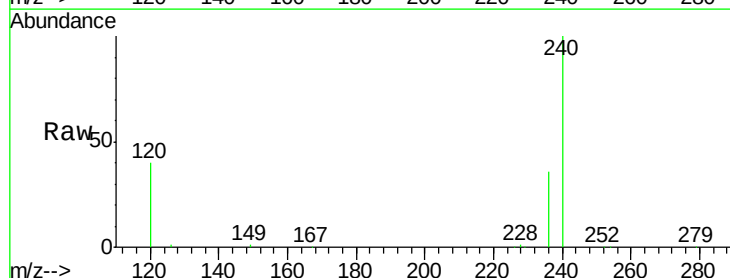
Tgt Ion:228 Resp: 583

Ion Ratio Lower Upper

228 100

226 25.7 17.2 25.8

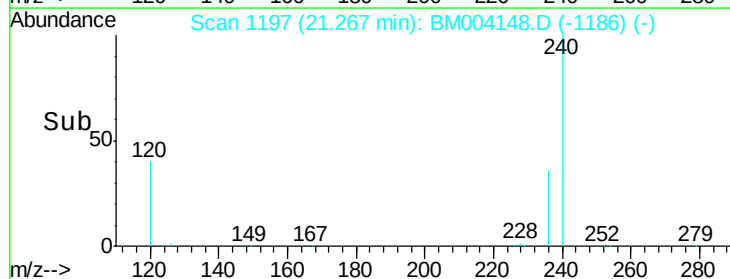
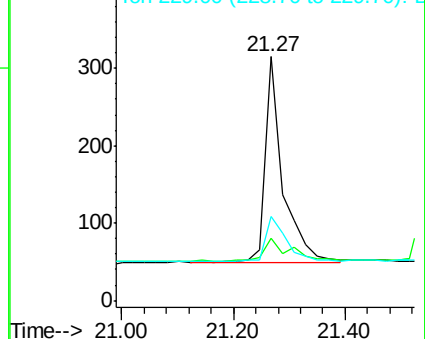
229 34.3 18.7 28.1#

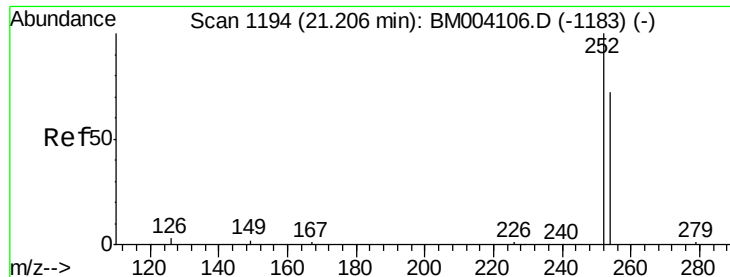


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

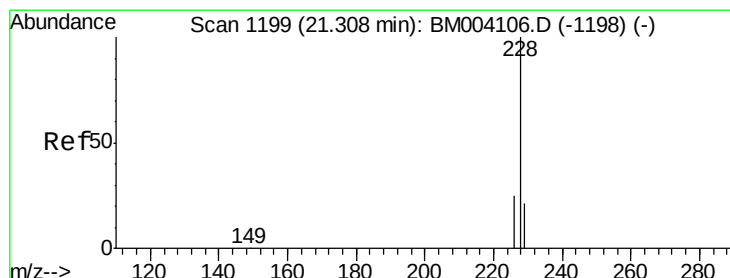
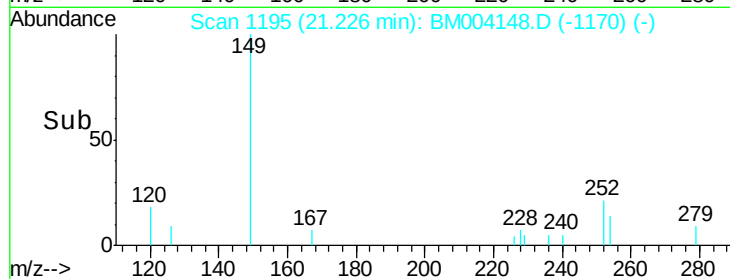
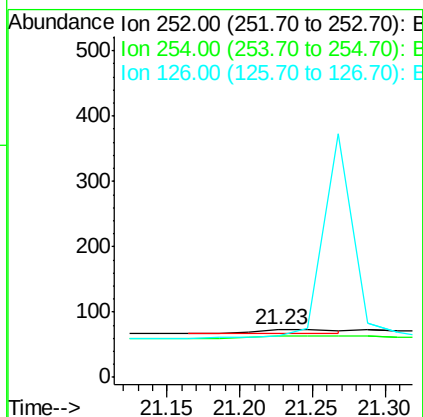
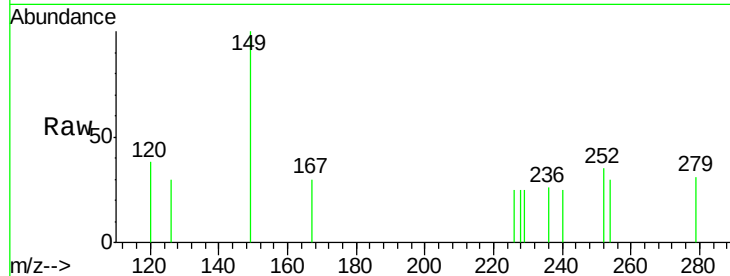




#31
 3,3'-Dichlorobenzidine
 Concen: 0.02 ng
 RT: 21.23 min Scan# 1195
 Delta R.T. 0.02 min
 Lab File: BM004148.D
 Acq: 29 Jan 2016 16:13

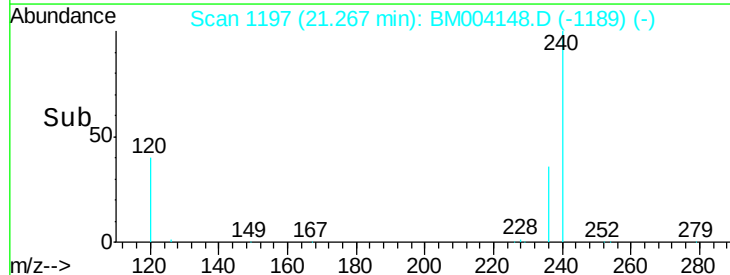
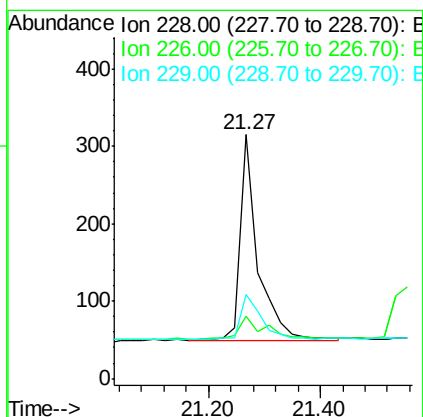
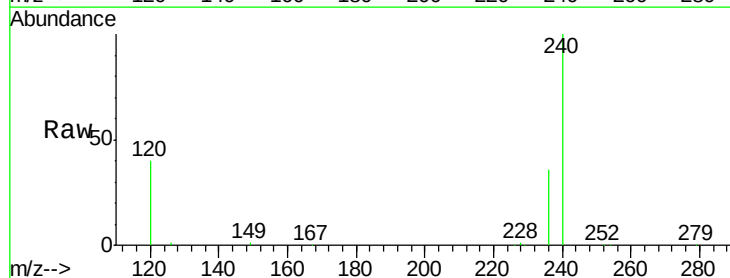
Instrument :
 BNA_M
 ClientSampleId :
 PB88052BL

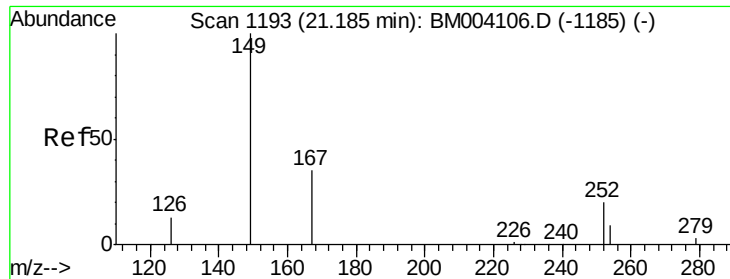
Tgt Ion: 252 Resp: 26
 Ion Ratio Lower Upper
 252 100
 254 86.3 52.6 79.0#
 126 86.3 3.7 5.5#



#32
 Chrysene
 Concen: Below Cal
 RT: 21.27 min Scan# 1197
 Delta R.T. -0.04 min
 Lab File: BM004148.D
 Acq: 29 Jan 2016 16:13

Tgt Ion: 228 Resp: 589
 Ion Ratio Lower Upper
 228 100
 226 25.7 25.3 37.9
 229 34.3 14.5 21.7#





#33

Bis(2-ethylhexyl)phthalate

Concen: 0.05 ng

RT: 21.19 min Scan# 1193

Delta R.T. 0.00 min

Lab File: BM004148.D

Acq: 29 Jan 2016 16:13

Instrument :

BNA_M

ClientSampleId :

PB88052BL

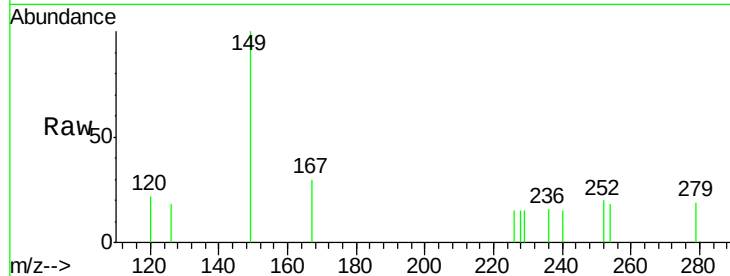
Tgt Ion:149 Resp: 351

Ion Ratio Lower Upper

149 100

167 19.7 20.1 30.1#

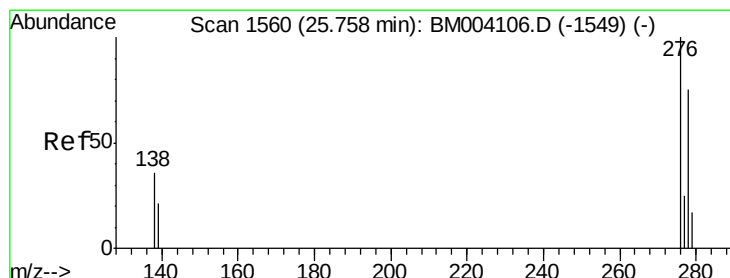
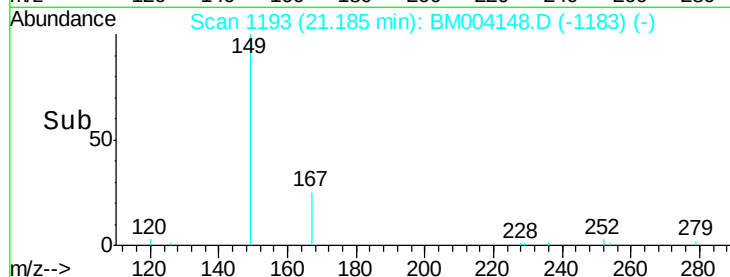
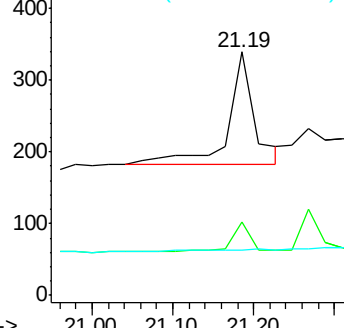
279 0.0 1.8 2.6#



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: 25.81 min Scan# 1565

Delta R.T. 0.05 min

Lab File: BM004148.D

Acq: 29 Jan 2016 16:13

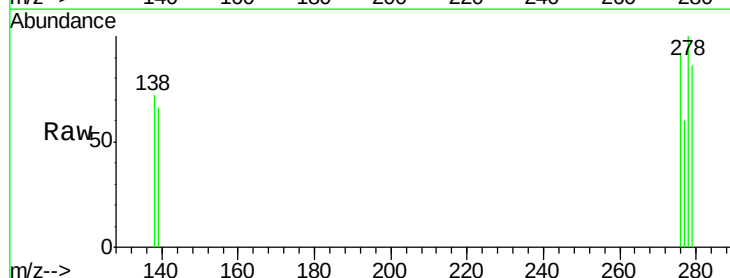
Tgt Ion:276 Resp: 286

Ion Ratio Lower Upper

276 100

138 41.6 30.2 45.2

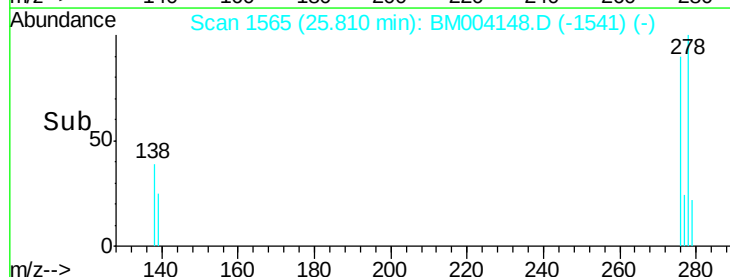
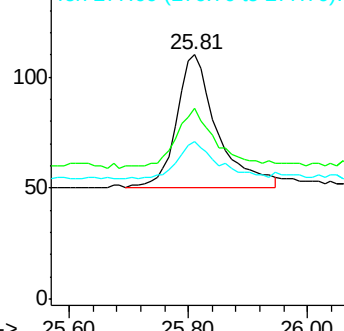
277 28.0 19.8 29.8

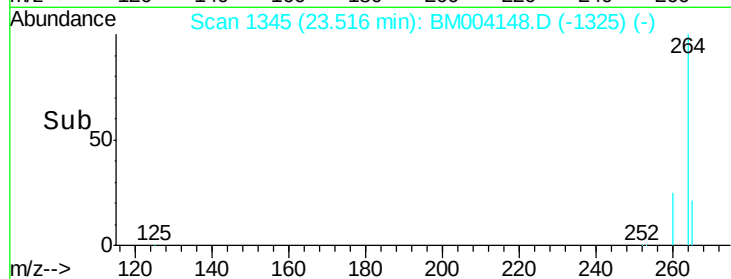
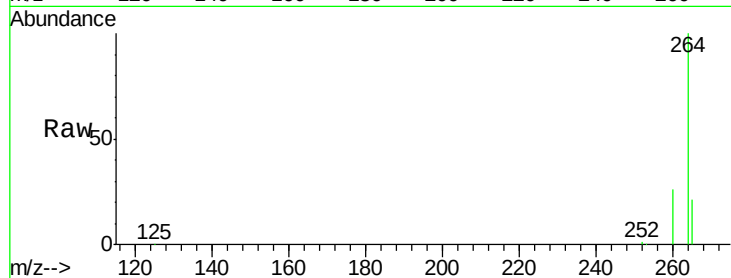
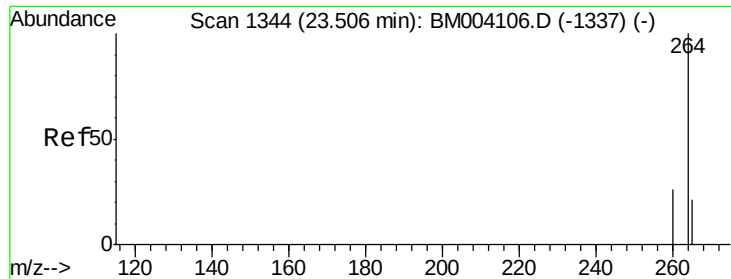


Abundance Ion 276.00 (275.70 to 276.70): E

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: 23.52 min Scan# 1345

Delta R.T. 0.01 min

Lab File: BM004148.D

Acq: 29 Jan 2016 16:13

Instrument :

BNA_M

ClientSampleId :

PB88052BL

Tgt Ion: 264 Resp: 123974

Ion Ratio Lower Upper

264 100

260 25.5 21.2 31.8

265 21.5 16.7 25.1

