

Data Path : Z:\HPCHEM1\BNA_M\Data\BM012216\
 Data File : BM004111.D
 Acq On : 22 Jan 2016 15:15
 Operator : SJ/UM
 Sample : PB87902BL
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 PB87902BL

Quant Time: Jan 22 17:31:27 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

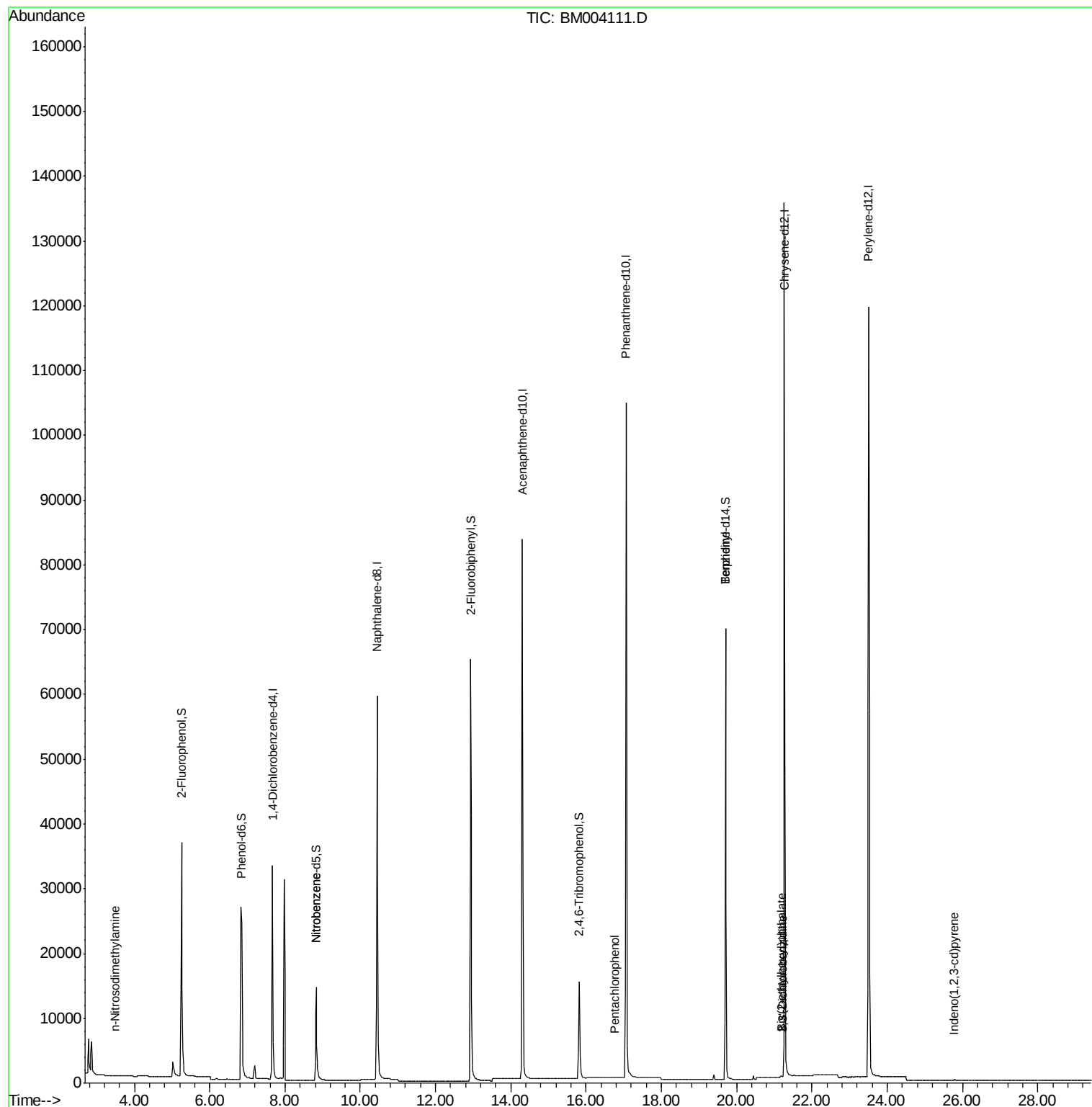
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.67	152	22034	5.00	ng	0.00
7) Naphthalene-d8	10.44	136	95763	5.00	ng	0.00
13) Acenaphthene-d10	14.31	164	56171	5.00	ng	0.00
19) Phenanthrene-d10	17.06	188	164331	5.00	ng	0.00
26) Chrysene-d12	21.27	240	159882	5.00	ng	0.00
35) Perylene-d12	23.51	264	165312	5.00	ng	0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.25	112	36001	7.83	ng	-0.02
5) Phenol-d6	6.85	99	44218	7.97	ng	0.00
8) Nitrobenzene-d5	8.83	82	16903	4.03	ng	0.00
14) 2,4,6-Tribromophenol	15.82	330	11628	5.37	ng	0.00
15) 2-Fluorobiphenyl	12.93	172	69765	4.05	ng	0.00
29) Terphenyl-d14	19.71	244	84353	4.15	ng	0.00
Target Compounds						
3) n-Nitrosodimethylamine	3.49	42	54	0.03	ng	# 14
9) Nitrobenzene	8.83	77	71	0.23	ng	# 30
22) Pentachlorophenol	16.76	266	17	0.23	ng	# 63
23) Phenanthrene	17.06	178	104	Below Cal		# 1
27) Benzidine	19.71	184	1891	0.37	ng	# 85
28) Pyrene	19.52	202	78	Below Cal		# 79
30) Benzo(a)anthracene	21.27	228	795	Below Cal		# 88
31) 3,3'-Dichlorobenzidine	21.23	252	166	0.04	ng	# 64
32) Chrysene	21.27	228	805	Below Cal		# 74
33) Bis(2-ethylhexyl)phthalate	21.19	149	522	0.06	ng	# 87
34) Indeno(1,2,3-cd)pyrene	25.79	276	217	0.03	ng	# 87

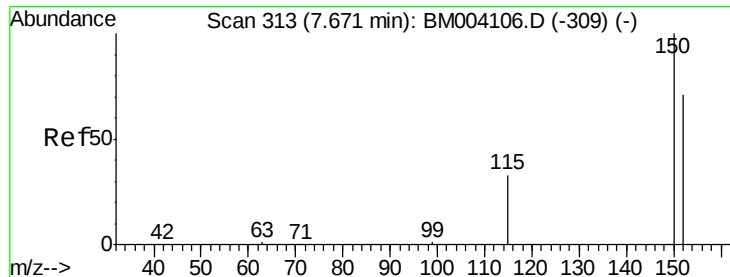
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: BM004111.D

Acq: 22 Jan 2016 15:15

Instrument :

BNA_M

ClientSampleId :

PB87902BL

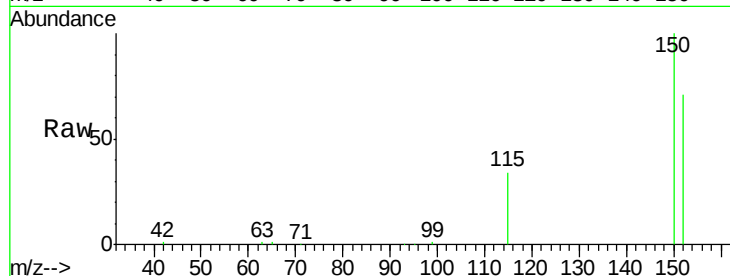
Tgt Ion:152 Resp: 22034

Ion Ratio Lower Upper

152 100

150 139.9 122.9 184.3

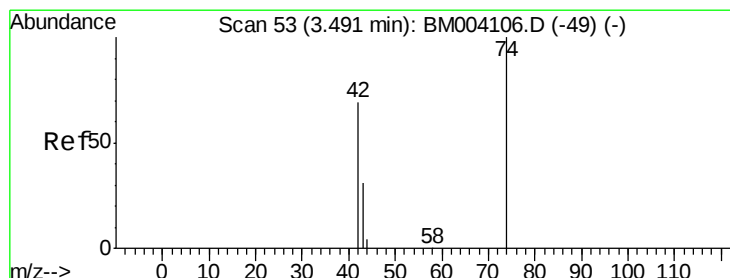
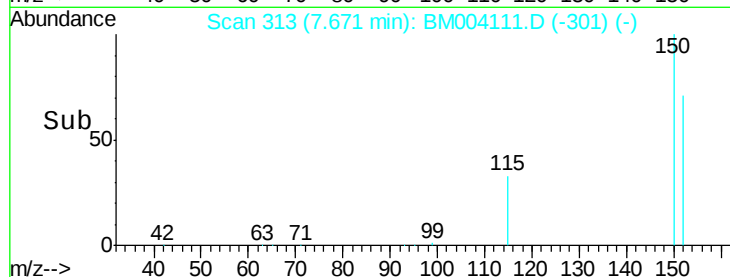
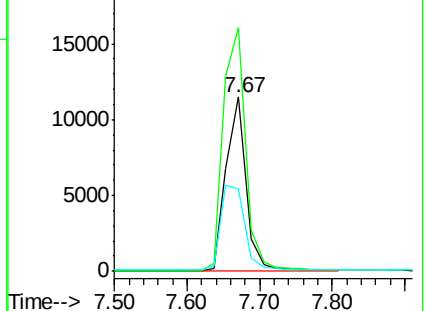
115 47.0 44.4 66.6



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



#3

n-Nitrosodimethylamine

Concen: 0.03 ng

RT: 3.49 min Scan# 53

Delta R.T. -0.00 min

Lab File: BM004111.D

Acq: 22 Jan 2016 15:15

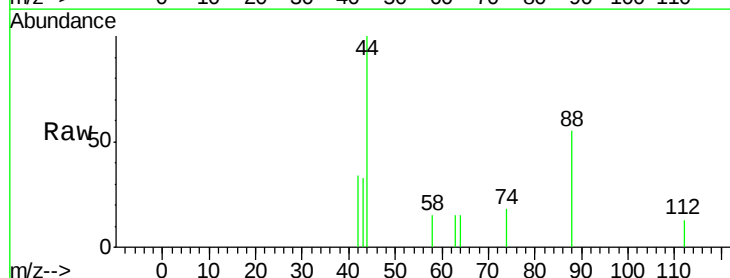
Tgt Ion: 42 Resp: 54

Ion Ratio Lower Upper

42 100

74 20.4 95.0 142.4#

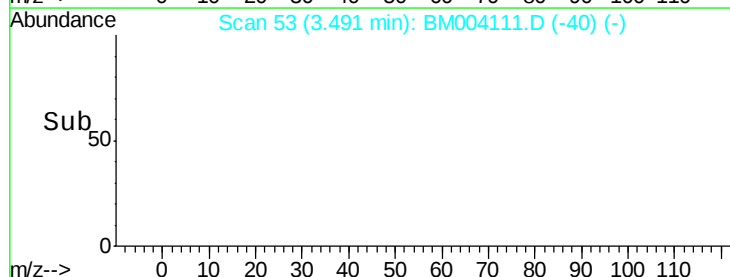
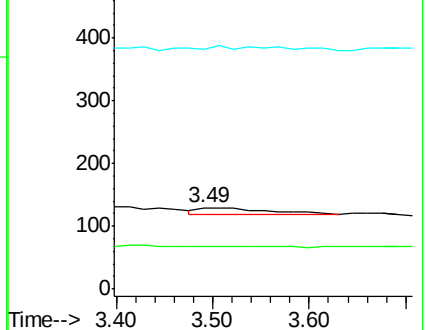
44 18.5 5.1 7.7#

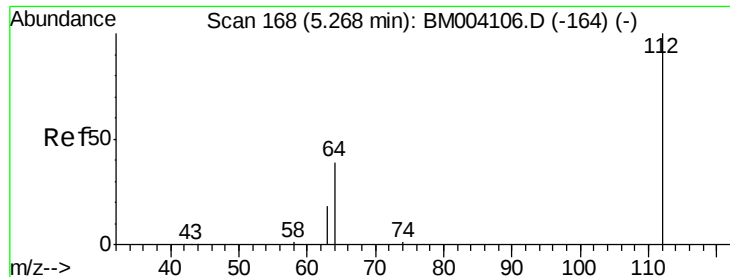


Abundance Ion 42.00 (41.70 to 42.70): BM0

Ion 74.00 (73.70 to 74.70): BM0

Ion 44.00 (43.70 to 44.70): BM0





#4

2-Fluorophenol

Concen: 7.83 ng

RT: 5.25 min Scan# 167

Delta R.T. -0.02 min

Lab File: BM004111.D

Acq: 22 Jan 2016 15:15

Instrument :

BNA_M

ClientSampleId :

PB87902BL

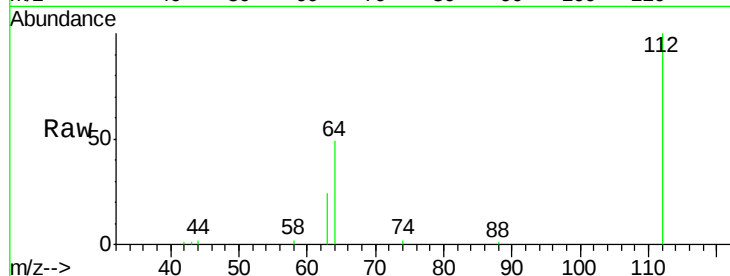
Tgt Ion: 112 Resp: 36001

Ion Ratio Lower Upper

112 100

64 52.6 41.8 62.8

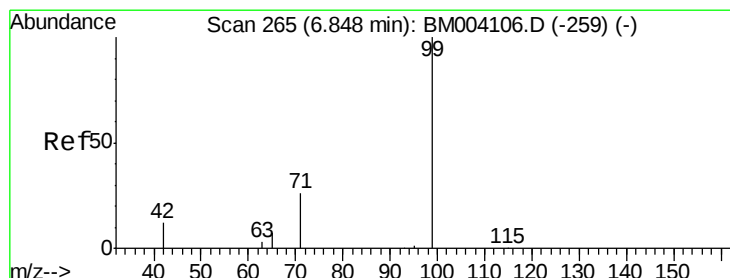
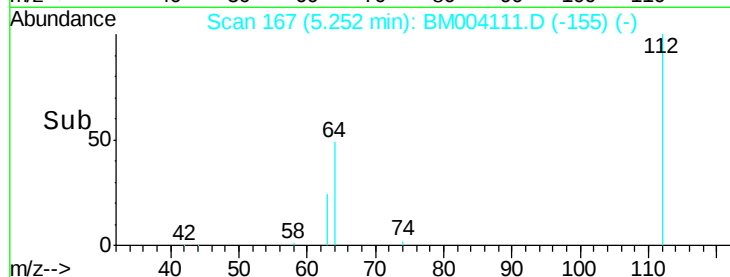
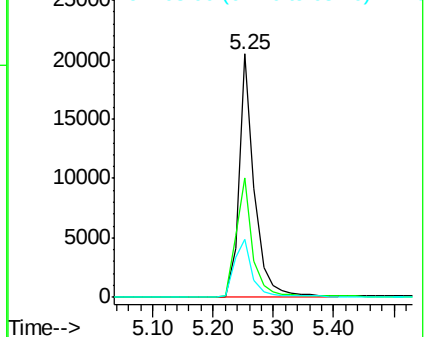
63 27.5 22.1 33.1



Abundance Ion 112.00 (111.70 to 112.70): B

Ion 64.00 (63.70 to 64.70): BM

Ion 63.00 (62.70 to 63.70): BM



#5

Phenol-d6

Concen: 7.97 ng

RT: 6.85 min Scan# 265

Delta R.T. -0.00 min

Lab File: BM004111.D

Acq: 22 Jan 2016 15:15

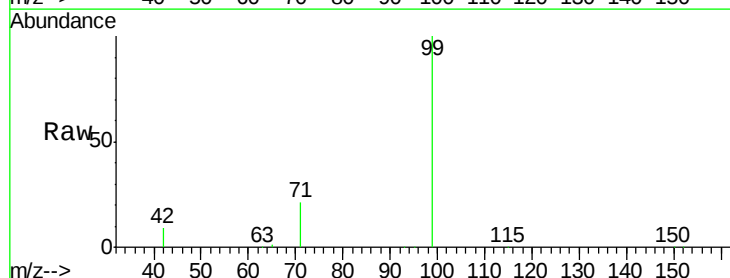
Tgt Ion: 99 Resp: 44218

Ion Ratio Lower Upper

99 100

42 18.4 16.2 24.2

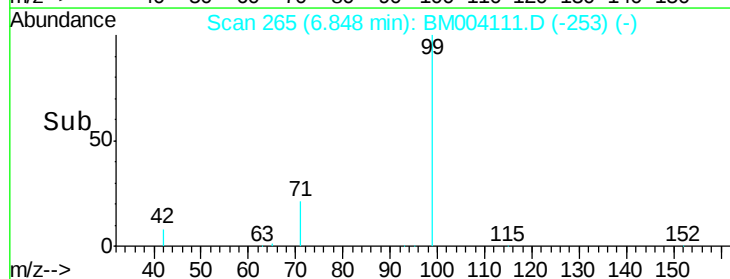
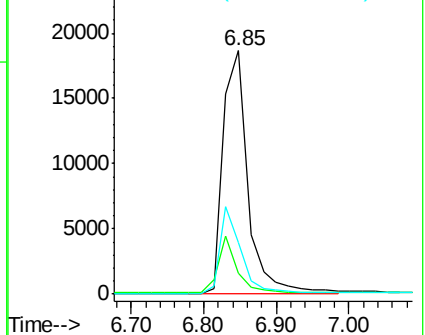
71 30.8 24.4 36.6

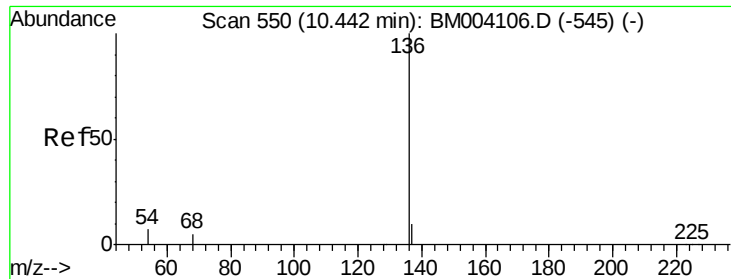


Abundance Ion 99.00 (98.70 to 99.70): BM

Ion 42.00 (41.70 to 42.70): BM

Ion 71.00 (70.70 to 71.70): BM





#7

Naphthalene-d8

Concen: 5.00 ng

RT: 10.44 min Scan# 550

Delta R.T. -0.00 min

Lab File: BM004111.D

Acq: 22 Jan 2016 15:15

Instrument :

BNA_M

ClientSampleId :

PB87902BL

Tgt Ion:136 Resp: 95763

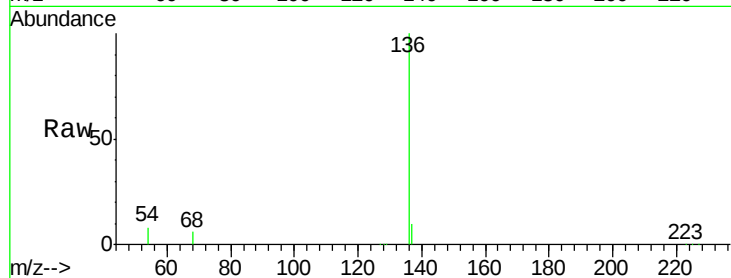
Ion Ratio Lower Upper

136 100

137 10.4 9.2 13.8

54 7.8 2.8 4.2#

68 5.9 2.5 3.7#

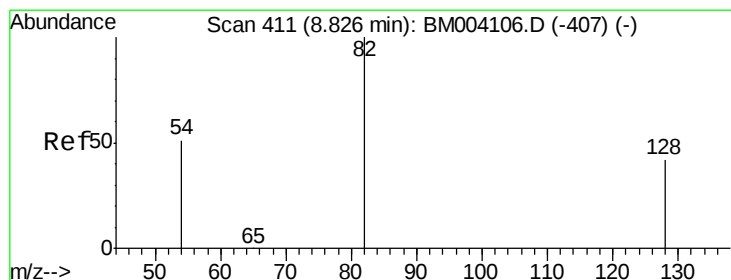
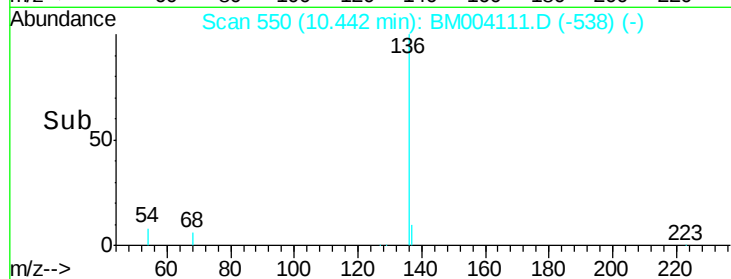
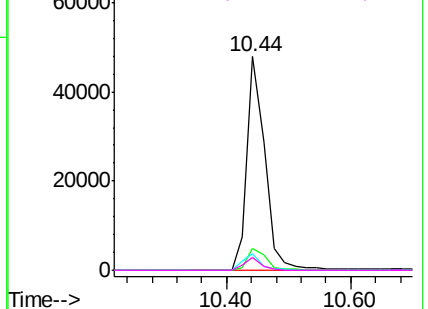


Abundance Ion 136.00 (135.70 to 136.70): E

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: 4.03 ng

RT: 8.83 min Scan# 411

Delta R.T. -0.00 min

Lab File: BM004111.D

Acq: 22 Jan 2016 15:15

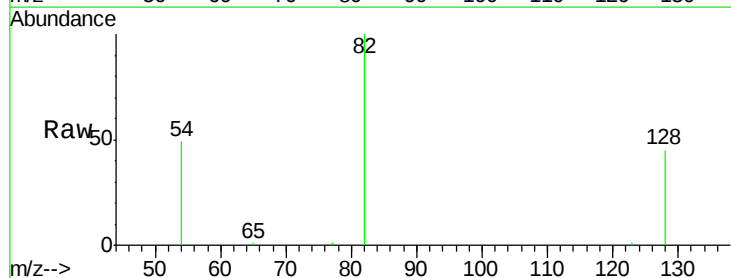
Tgt Ion: 82 Resp: 16903

Ion Ratio Lower Upper

82 100

128 44.6 39.1 58.7

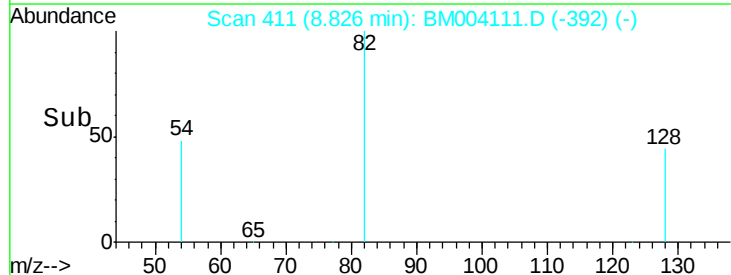
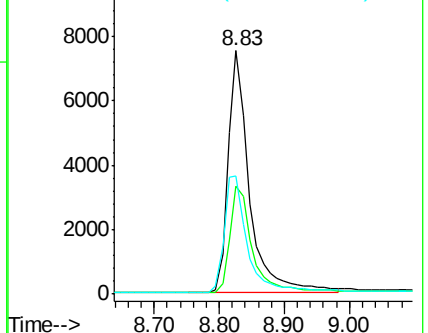
54 48.8 34.8 52.2

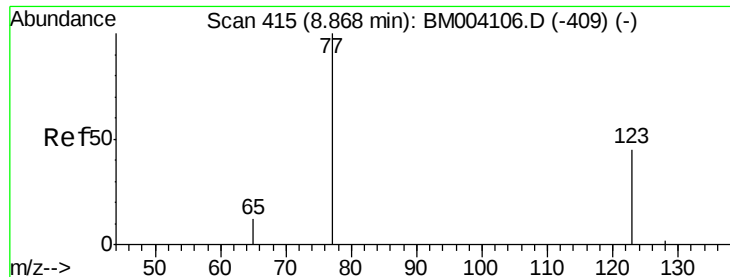


Abundance Ion 82.00 (81.70 to 82.70): BM

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: BM004111.D

Acq: 22 Jan 2016 15:15

Instrument :

BNA_M

ClientSampleId :

PB87902BL

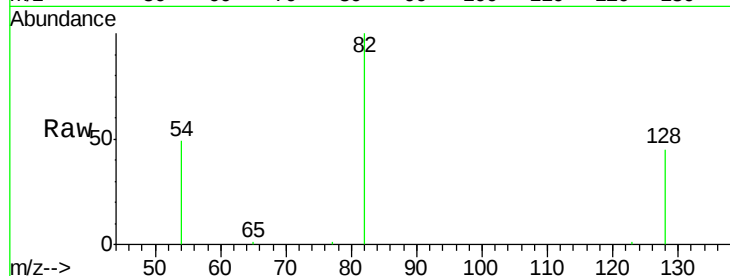
Tgt Ion: 77 Resp: 71

Ion Ratio Lower Upper

77 100

123 2.8 38.6 57.8#

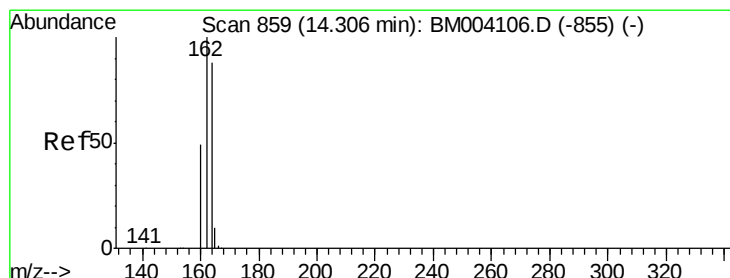
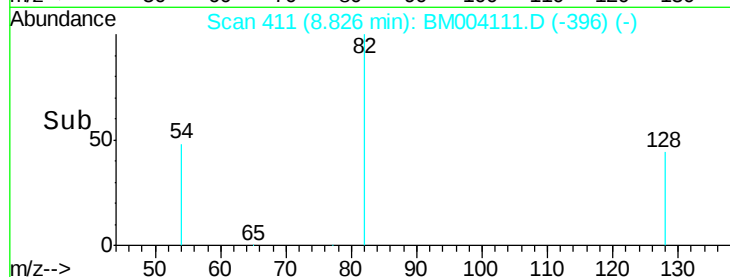
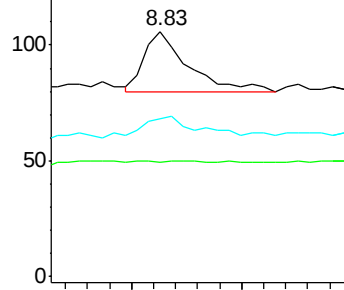
65 45.1 9.9 14.9#



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) (-)



#13

Acenaphthene-d10

Concen: 5.00 ng

RT: 14.31 min Scan# 859

Delta R.T. -0.00 min

Lab File: BM004111.D

Acq: 22 Jan 2016 15:15

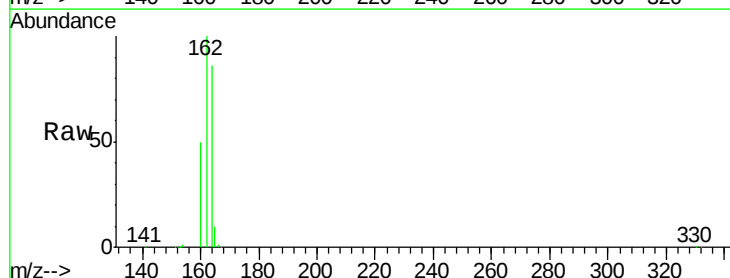
Tgt Ion: 164 Resp: 56171

Ion Ratio Lower Upper

164 100

162 116.9 86.0 129.0

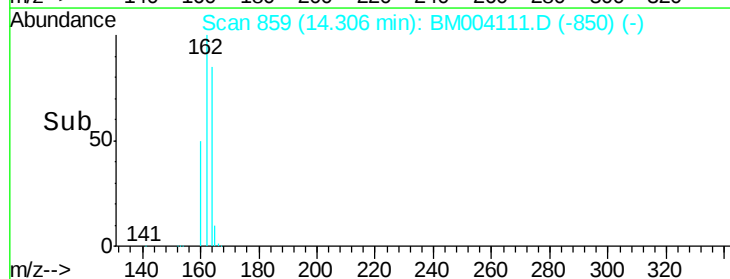
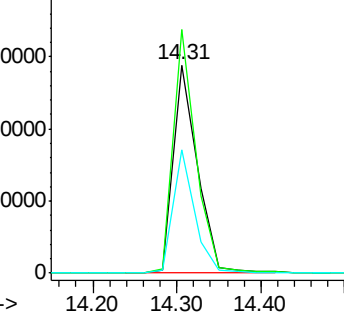
160 59.1 40.3 60.5

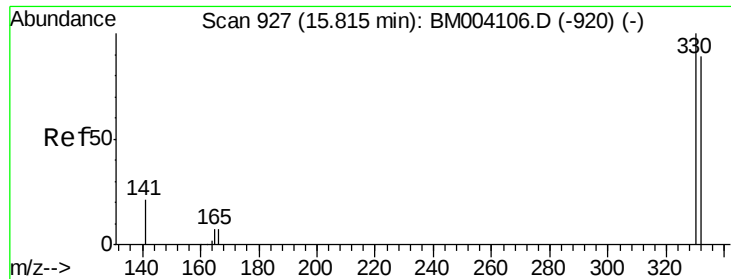


Abundance Ion 164.00 (163.70 to 164.70): BM004106.D (-855) (-)

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

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

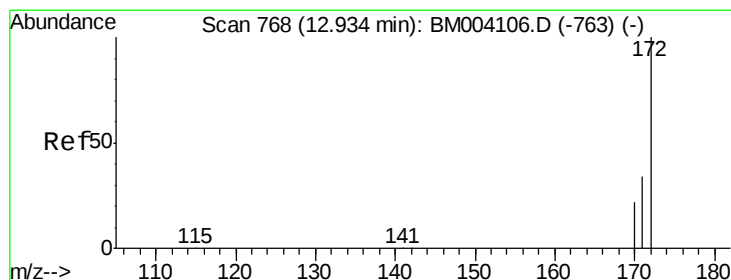
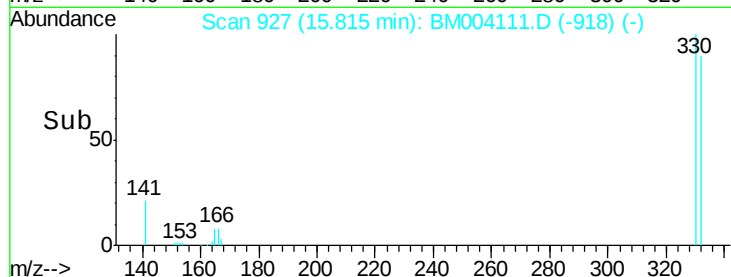
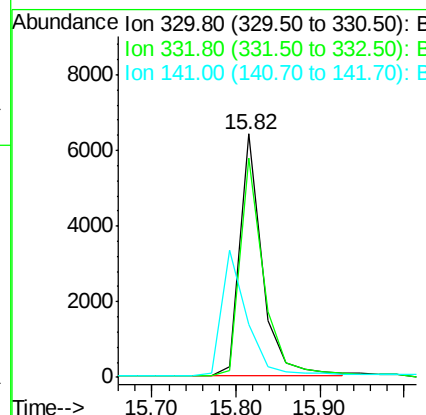
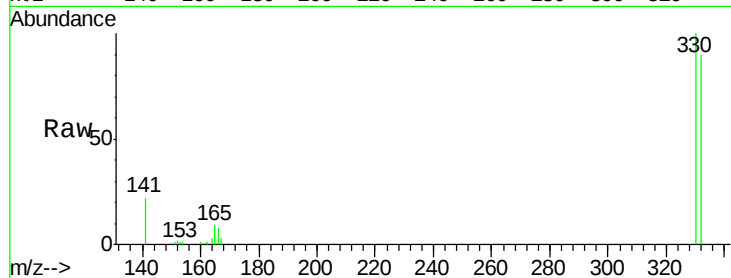




#14
 2,4,6-Tribromophenol
 Concen: 5.37 ng
 RT: 15.82 min Scan# 927
 Delta R.T. 0.00 min
 Lab File: BM004111.D
 Acq: 22 Jan 2016 15:15

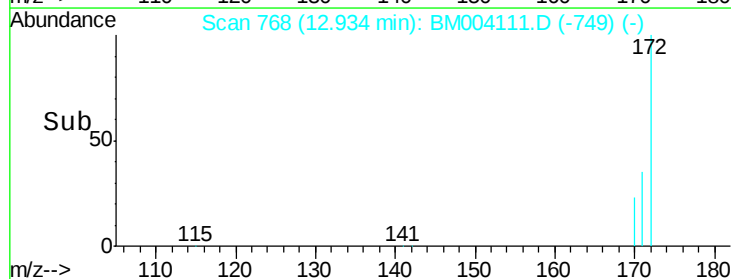
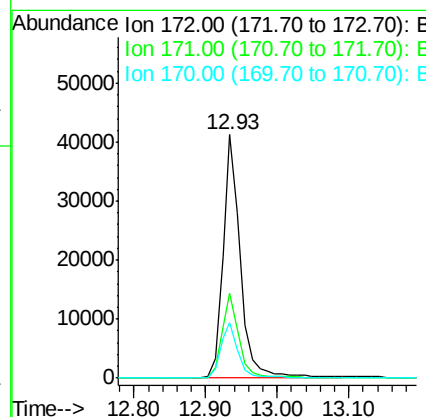
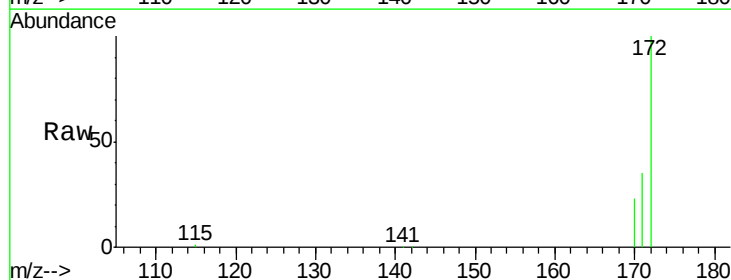
Instrument :
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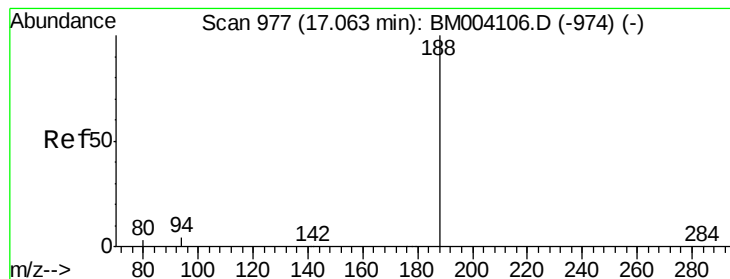
Tgt Ion:330 Resp: 11628
 Ion Ratio Lower Upper
 330 100
 332 94.5 79.0 118.4
 141 0.0 27.8 41.6#



#15
 2-Fluorobiphenyl
 Concen: 4.05 ng
 RT: 12.93 min Scan# 768
 Delta R.T. -0.00 min
 Lab File: BM004111.D
 Acq: 22 Jan 2016 15:15

Tgt Ion:172 Resp: 69765
 Ion Ratio Lower Upper
 172 100
 171 34.8 27.0 40.6
 170 22.9 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: BM004111.D

Acq: 22 Jan 2016 15:15

Instrument :

BNA_M

ClientSampleID :

PB87902BL

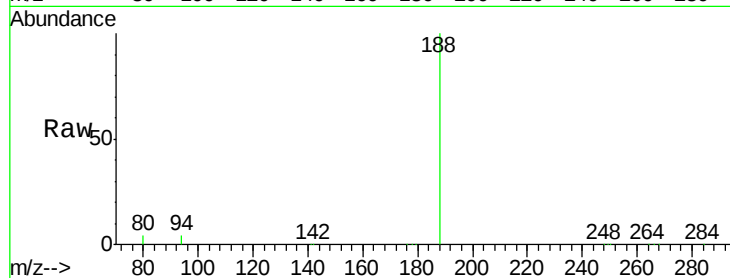
Tgt Ion:188 Resp: 164331

Ion Ratio Lower Upper

188 100

94 4.3 20.3 30.5#

80 3.7 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

120000

100000

80000

60000

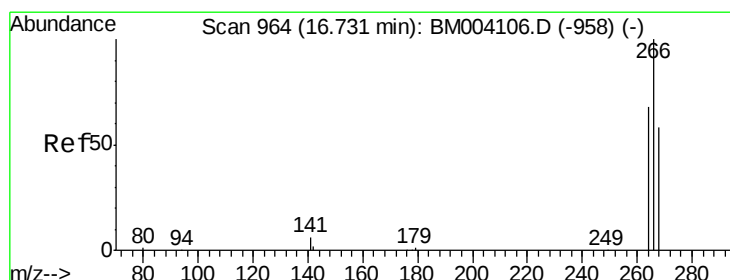
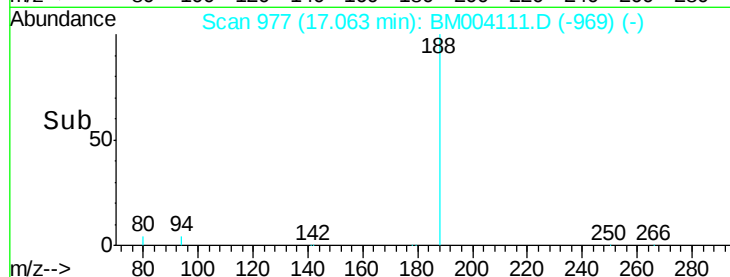
40000

20000

0

17.06

Time--> 16.90 17.00 17.10 17.20



#22

Pentachlorophenol

Concen: 0.23 ng

RT: 16.76 min Scan# 965

Delta R.T. 0.03 min

Lab File: BM004111.D

Acq: 22 Jan 2016 15:15

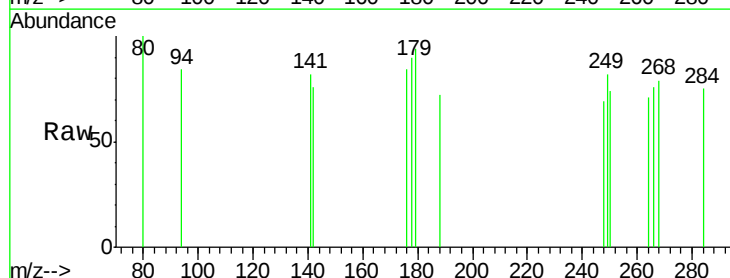
Tgt Ion:266 Resp: 17

Ion Ratio Lower Upper

266 100

268 103.8 62.7 94.1#

264 92.3 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

60

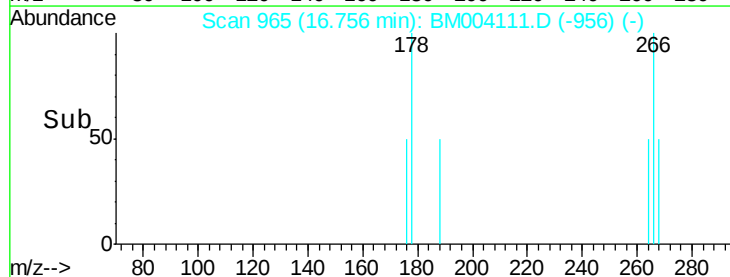
40

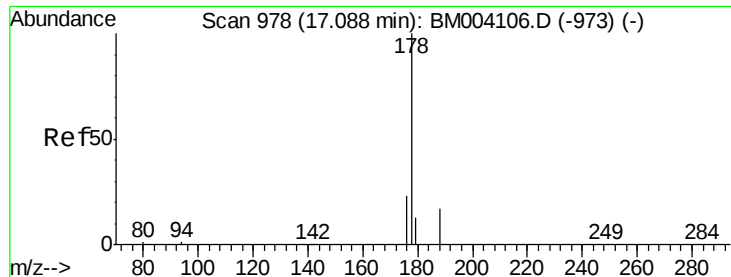
20

0

16.76

Time--> 16.60 16.70 16.80





#23

Phenanthrene

Concen: Below Cal

RT: 17.06 min Scan# 977

Delta R.T. -0.03 min

Lab File: BM004111.D

Acq: 22 Jan 2016 15:15

Instrument :

BNA_M

ClientSampleId :

PB87902BL

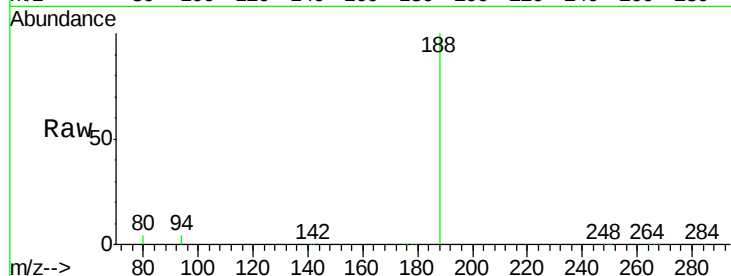
Tgt Ion:178 Resp: 104

Ion Ratio Lower Upper

178 100

176 0.0 15.4 23.0#

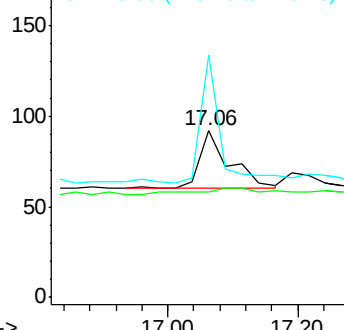
179 144.2 12.2 18.4#



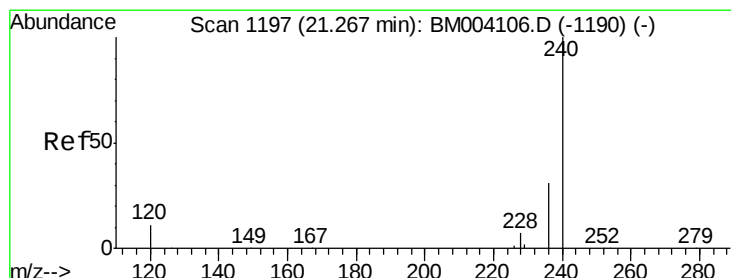
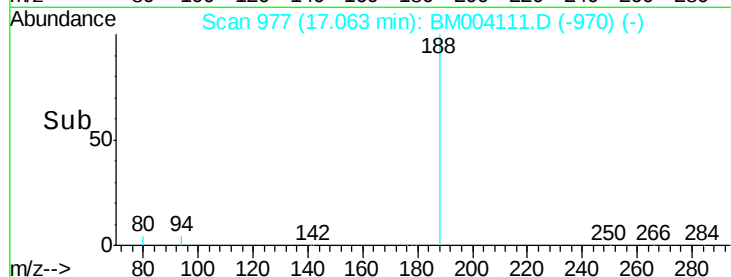
Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



Time-->



#26

Chrysene-d12

Concen: 5.00 ng

RT: 21.27 min Scan# 1197

Delta R.T. -0.00 min

Lab File: BM004111.D

Acq: 22 Jan 2016 15:15

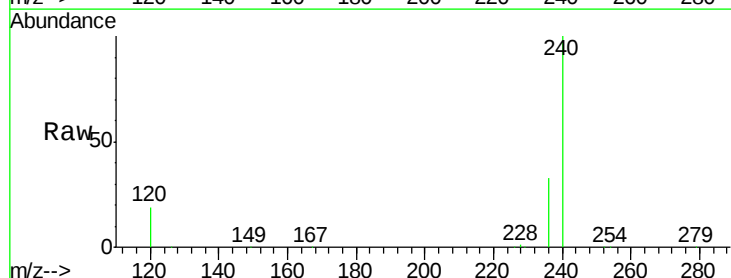
Tgt Ion:240 Resp: 159882

Ion Ratio Lower Upper

240 100

120 18.8 0.9 1.3#

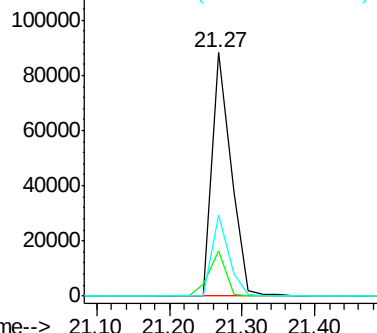
236 33.2 17.3 25.9#



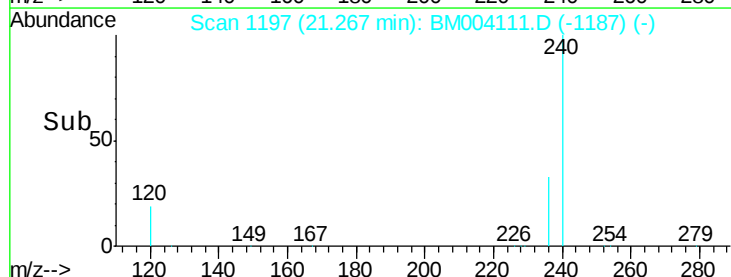
Abundance Ion 240.00 (239.70 to 240.70): E

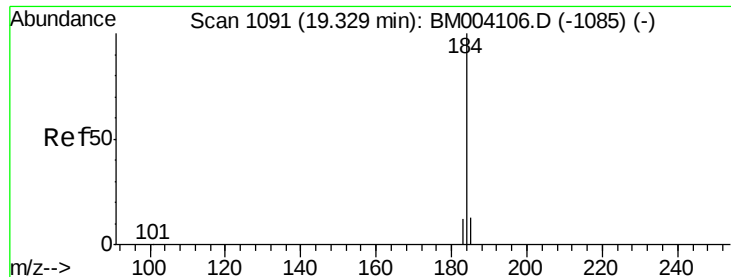
Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E



Time-->





#27

Benzidine

Concen: 0.37 ng

RT: 19.71 min Scan# 1113

Delta R.T. 0.38 min

Lab File: BM004111.D

Acq: 22 Jan 2016 15:15

Instrument :

BNA_M

ClientSampleId :

PB87902BL

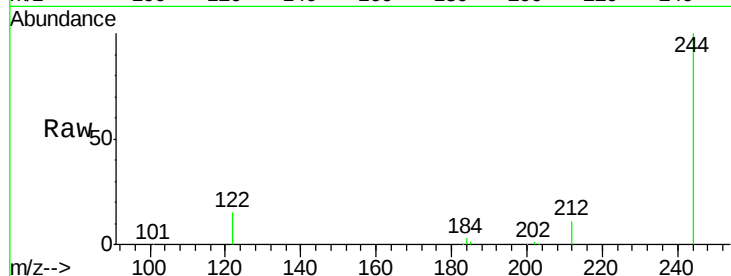
Tgt Ion:184 Resp: 1891

Ion Ratio Lower Upper

184 100

185 22.2 13.2 19.8#

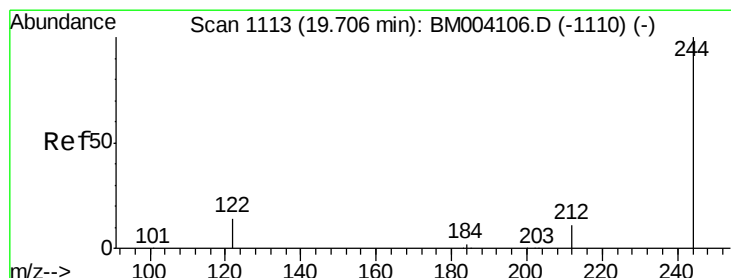
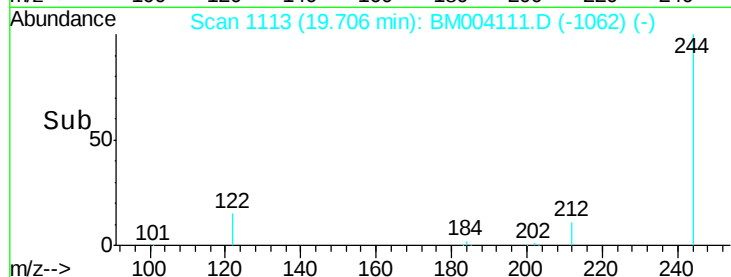
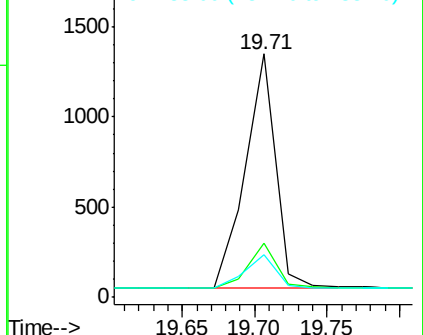
183 17.6 9.0 13.6#



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: 4.15 ng

RT: 19.71 min Scan# 1113

Delta R.T. 0.00 min

Lab File: BM004111.D

Acq: 22 Jan 2016 15:15

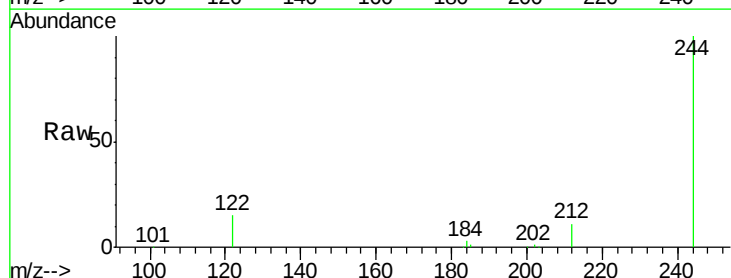
Tgt Ion:244 Resp: 84353

Ion Ratio Lower Upper

244 100

212 11.0 7.0 10.6#

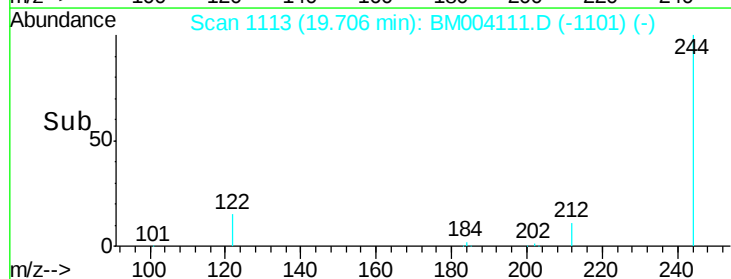
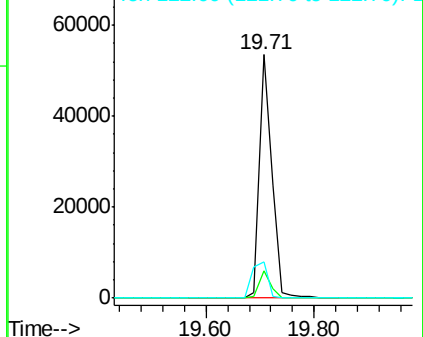
122 15.1 3.0 4.6#

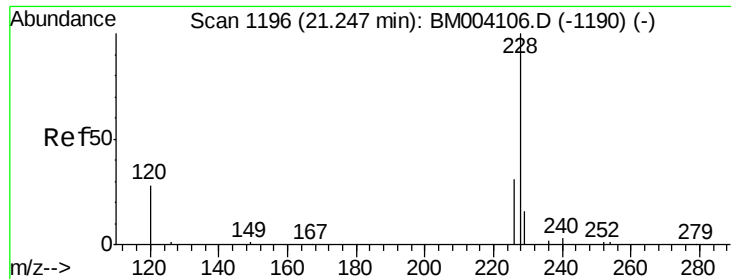


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#30

Benzo(a)anthracene

Concen: Below Cal

RT: 21.27 min Scan# 1197

Delta R.T. 0.02 min

Lab File: BM004111.D

Acq: 22 Jan 2016 15:15

Instrument :

BNA_M

ClientSampleId :

PB87902BL

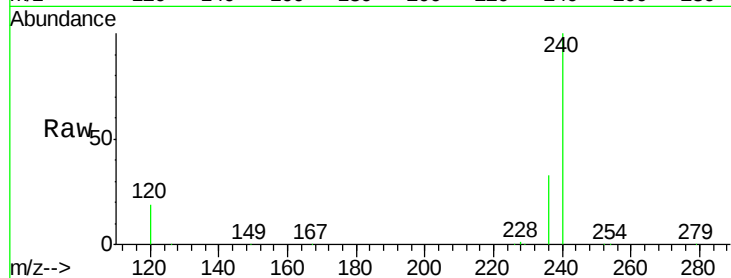
Tgt Ion:228 Resp: 795

Ion Ratio Lower Upper

228 100

226 19.5 17.2 25.8

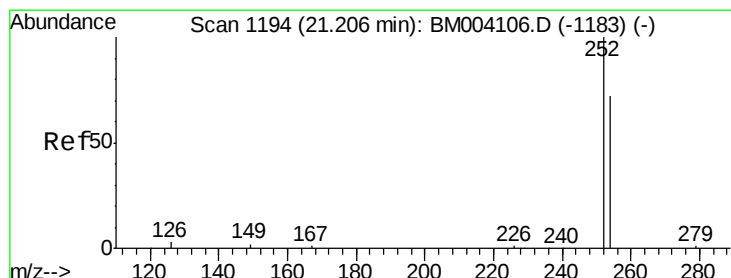
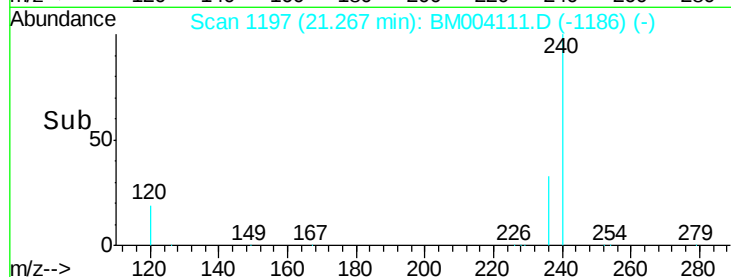
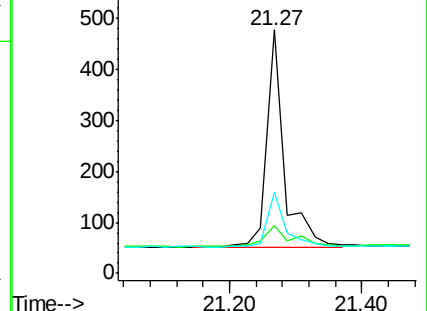
229 33.1 18.7 28.1#



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: 0.04 ng

RT: 21.23 min Scan# 1195

Delta R.T. 0.02 min

Lab File: BM004111.D

Acq: 22 Jan 2016 15:15

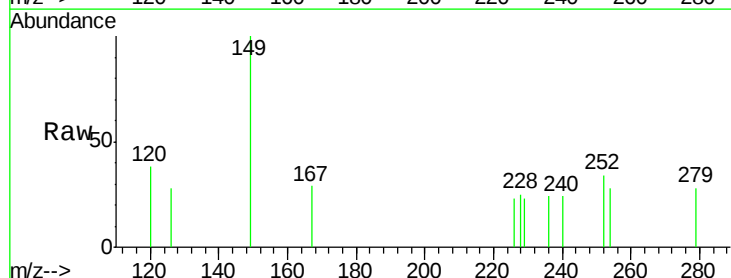
Tgt Ion:252 Resp: 166

Ion Ratio Lower Upper

252 100

254 83.1 52.6 79.0#

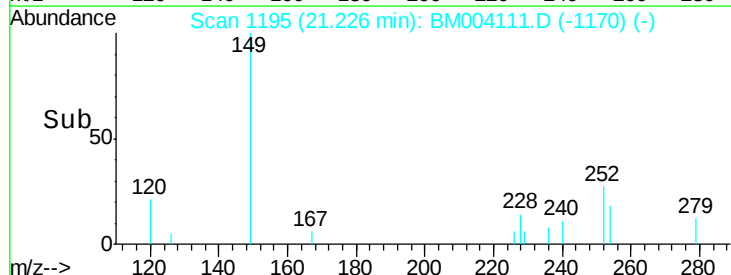
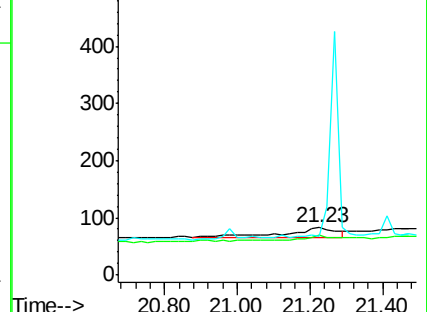
126 81.9 3.7 5.5#

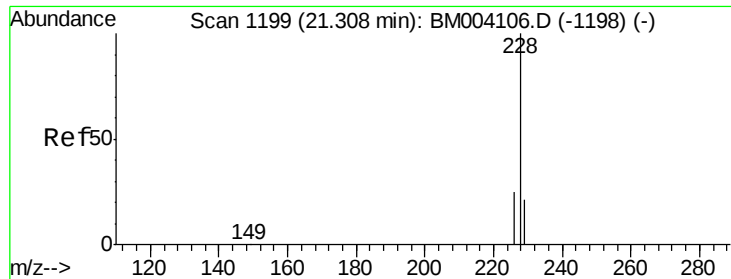


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 254.00 (253.70 to 254.70): E

Ion 126.00 (125.70 to 126.70): E





#32

Chrysene

Concen: Below Cal

RT: 21.27 min Scan# 1197

Delta R.T. -0.04 min

Lab File: BM004111.D

Acq: 22 Jan 2016 15:15

Instrument :

BNA_M

ClientSampleId :

PB87902BL

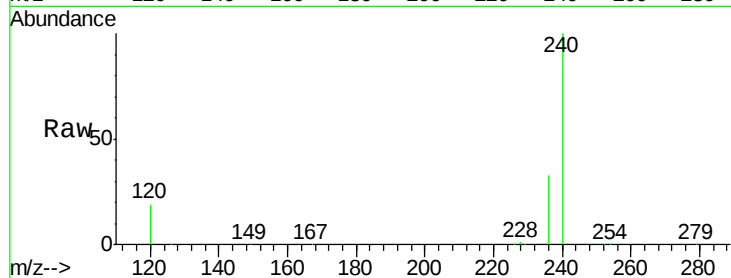
Tgt Ion:228 Resp: 805

Ion Ratio Lower Upper

228 100

226 19.5 25.3 37.9#

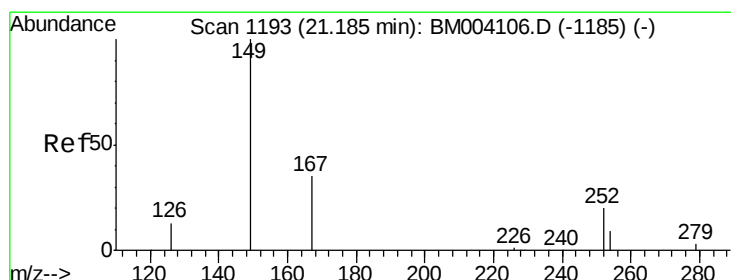
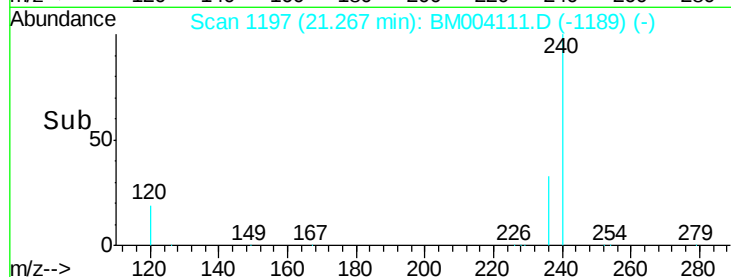
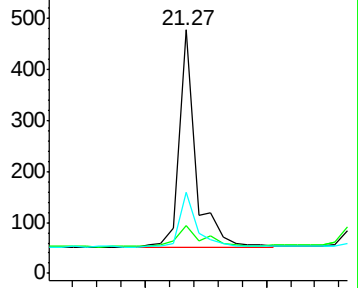
229 33.1 14.5 21.7#



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



#33

Bis(2-ethylhexyl)phthalate

Concen: 0.06 ng

RT: 21.19 min Scan# 1193

Delta R.T. 0.00 min

Lab File: BM004111.D

Acq: 22 Jan 2016 15:15

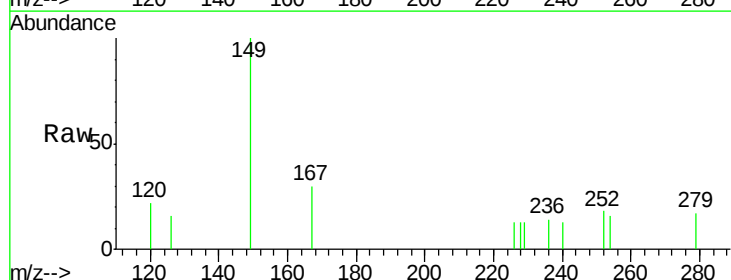
Tgt Ion:149 Resp: 522

Ion Ratio Lower Upper

149 100

167 18.4 20.1 30.1#

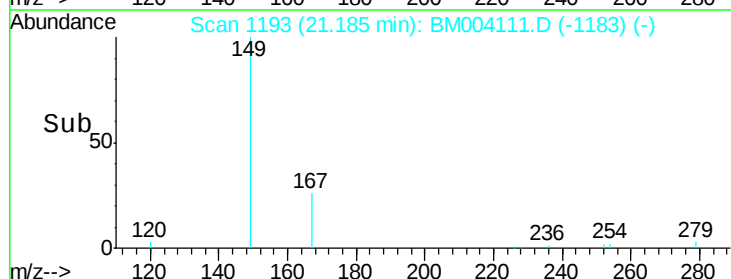
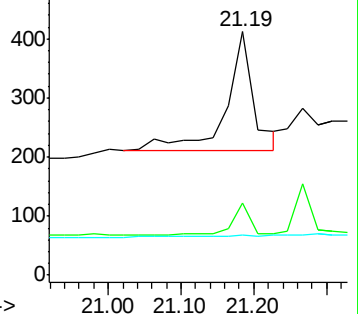
279 4.2 1.8 2.6#

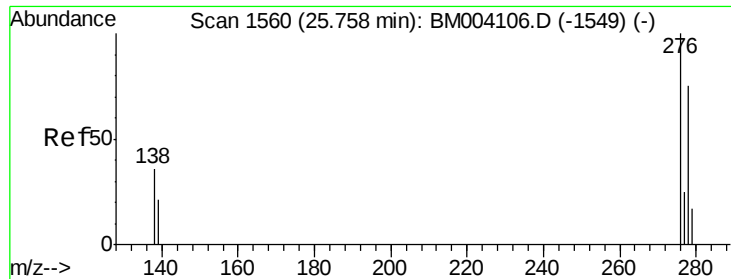


Abundance Ion 149.00 (148.70 to 149.70): E

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: 25.79 min Scan# 1563

Delta R.T. 0.03 min

Lab File: BM004111.D

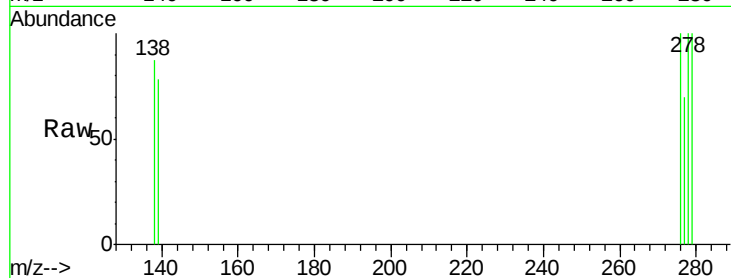
Acq: 22 Jan 2016 15:15

Instrument :

BNA_M

ClientSampleId :

PB87902BL



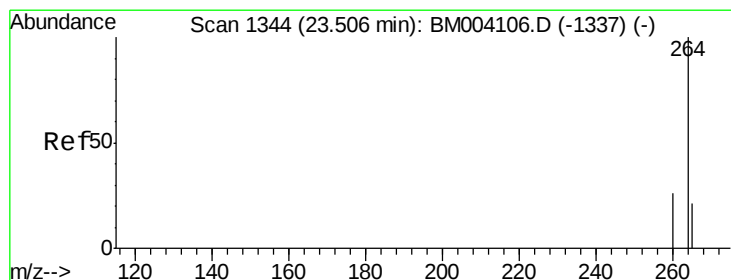
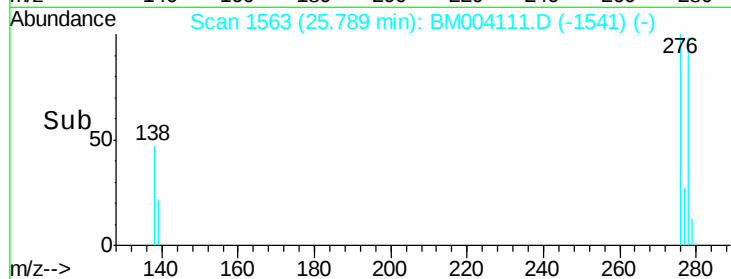
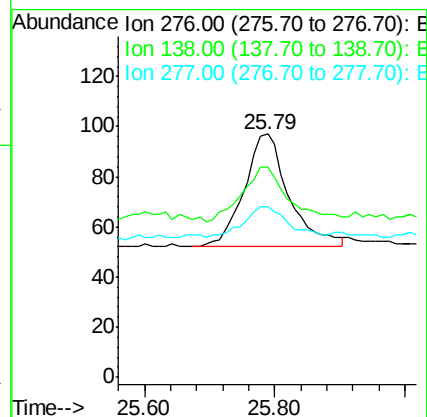
Tgt Ion:276 Resp: 217

Ion Ratio Lower Upper

276 100

138 50.2 30.2 45.2#

277 25.8 19.8 29.8



#35

Perylene-d12

Concen: 5.00 ng

RT: 23.51 min Scan# 1344

Delta R.T. -0.00 min

Lab File: BM004111.D

Acq: 22 Jan 2016 15:15

Tgt Ion:264 Resp: 165312

Ion Ratio Lower Upper

264 100

260 27.0 21.2 31.8

265 20.1 16.7 25.1

