

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM020216\
 Data File : BM004166.D
 Acq On : 02 Feb 2016 16:34
 Operator : SJ/IZ
 Sample : PB88134BL
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 PB88134BL

Quant Time: Feb 03 00:53:26 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

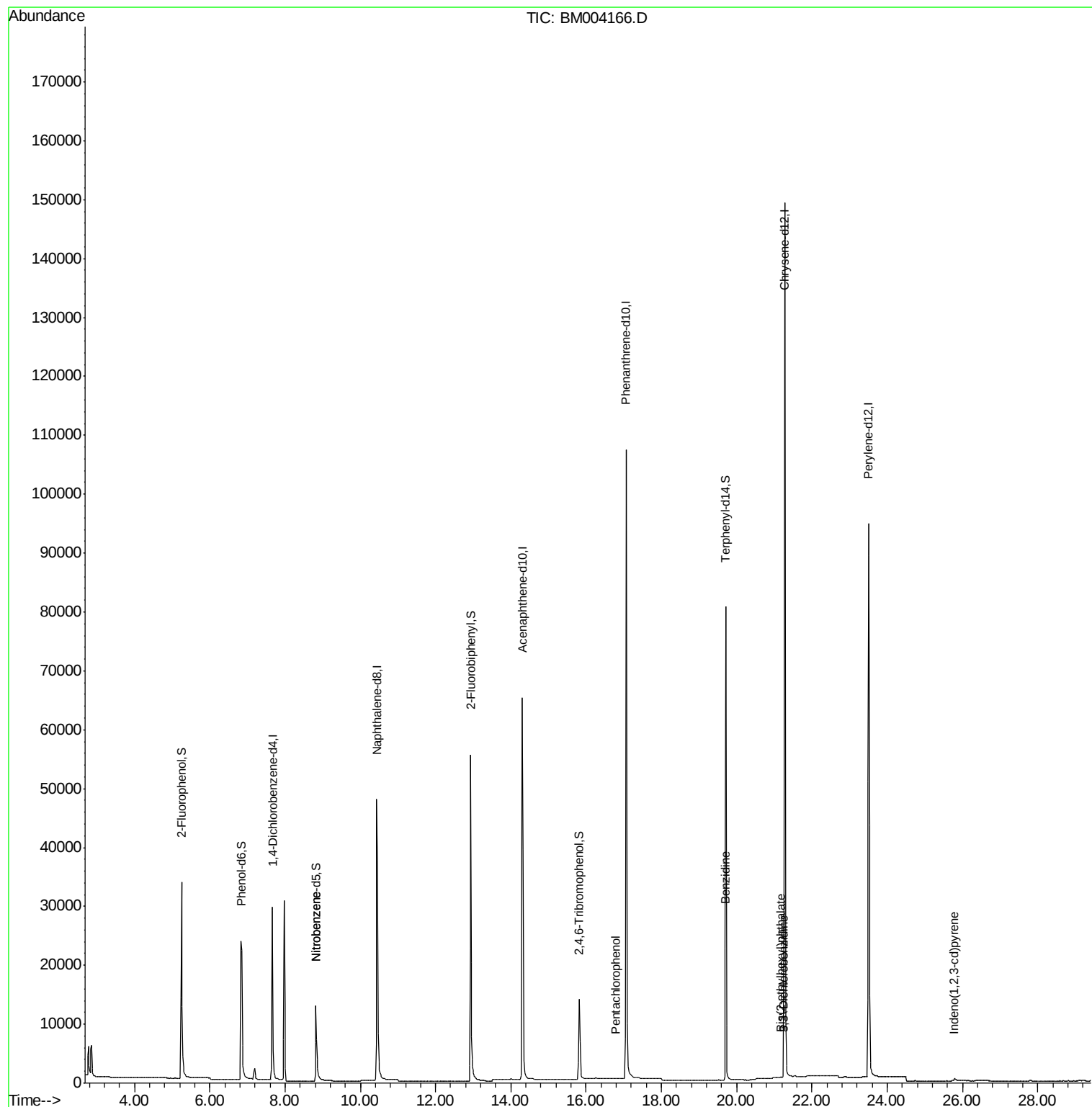
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.67	152	21561	5.00	ng	0.00
7) Naphthalene-d8	10.44	136	89224	5.00	ng	0.00
13) Acenaphthene-d10	14.30	164	52888	5.00	ng	0.00
19) Phenanthrene-d10	17.06	188	166371	5.00	ng	0.00
26) Chrysene-d12	21.28	240	162894	5.00	ng	0.00
35) Perylene-d12	23.50	264	134814	5.00	ng	0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.25	112	34320	7.63	ng	-0.02
5) Phenol-d6	6.85	99	40606	7.48	ng	0.00
8) Nitrobenzene-d5	8.82	82	16517	4.23	ng	0.00
14) 2,4,6-Tribromophenol	15.81	330	11926	5.83	ng	0.00
15) 2-Fluorobiphenyl	12.93	172	68035	4.20	ng	0.00
29) Terphenyl-d14	19.71	244	90694	4.38	ng	0.00
Target Compounds						
9) Nitrobenzene	8.82	77	58	0.23	ng	# 36
22) Pentachlorophenol	16.78	266	8	0.23	ng	# 63
23) Phenanthrene	17.06	178	94	Below Cal		# 1
27) Benzidine	19.69	184	1921	0.37	ng	# 91
28) Pyrene	19.52	202	60	Below Cal		# 66
30) Benzo(a)anthracene	21.28	228	682	Below Cal		# 76
31) 3,3'-Dichlorobenzidine	21.23	252	119	0.03	ng	# 64
32) Chrysene	21.28	228	690	Below Cal		# 69
33) Bis(2-ethylhexyl)phthalate	21.17	149	285	0.04	ng	# 95
34) Indeno(1,2,3-cd)pyrene	25.79	276	462	0.03	ng	91

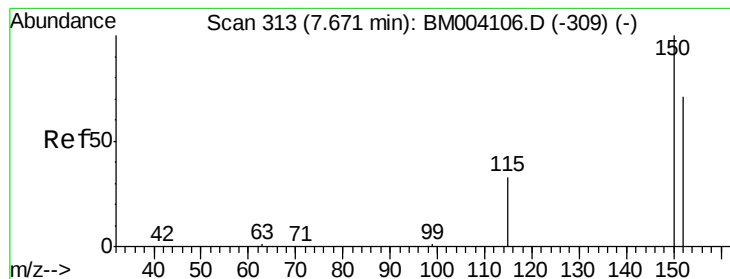
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: BM004166.D

Acq: 02 Feb 2016 16:34

Instrument :

BNA_M

ClientSampleId :

PB88134BL

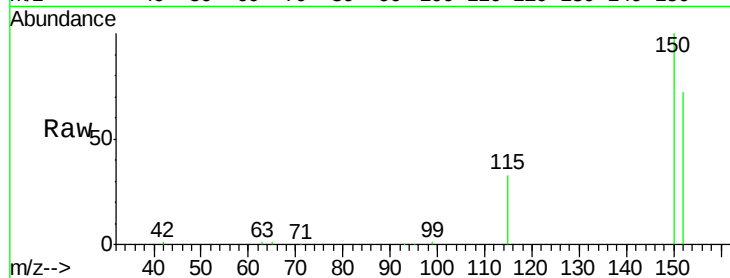
Tgt Ion:152 Resp: 21561

Ion Ratio Lower Upper

152 100

150 139.0 122.9 184.3

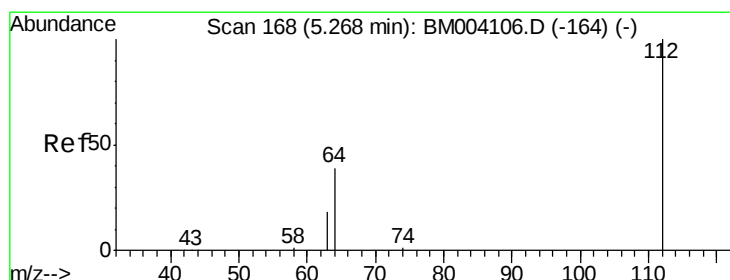
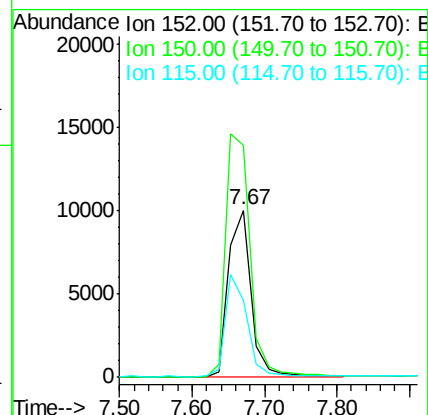
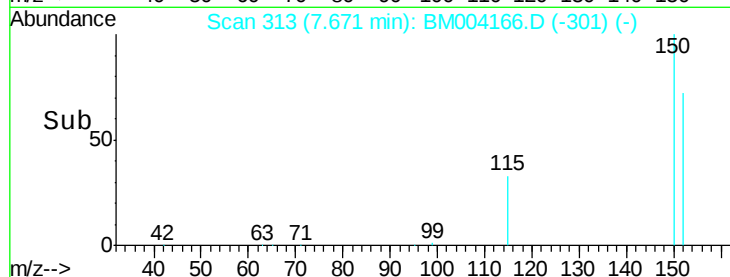
115 46.6 44.4 66.6



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: 7.63 ng

RT: 5.25 min Scan# 167

Delta R.T. -0.02 min

Lab File: BM004166.D

Acq: 02 Feb 2016 16:34

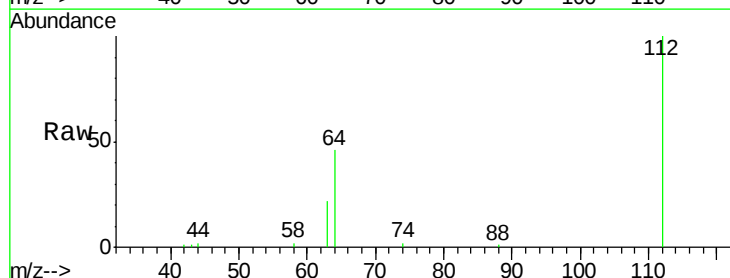
Tgt Ion:112 Resp: 34320

Ion Ratio Lower Upper

112 100

64 52.0 41.8 62.8

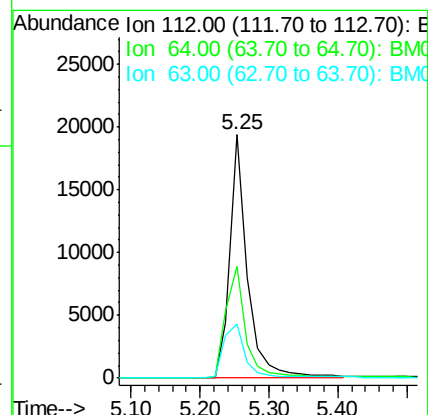
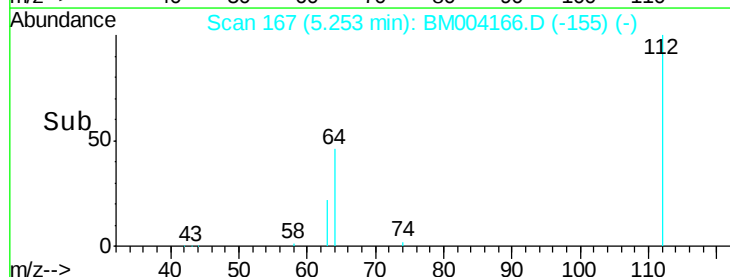
63 27.2 22.1 33.1

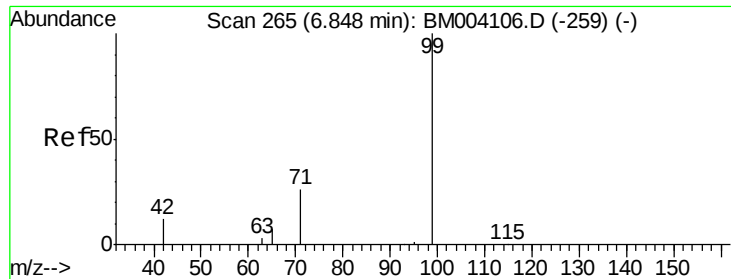


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BM0

Ion 63.00 (62.70 to 63.70): BM0





#5

Phenol-d6

Concen: 7.48 ng

RT: 6.85 min Scan# 265

Delta R.T. 0.00 min

Lab File: BM004166.D

Acq: 02 Feb 2016 16:34

Instrument :

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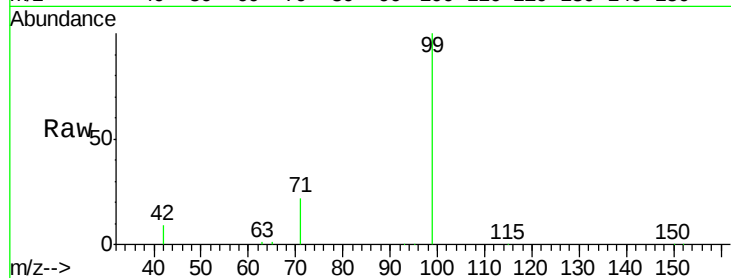
Tgt Ion: 99 Resp: 40606

Ion Ratio Lower Upper

99 100

42 18.3 16.2 24.2

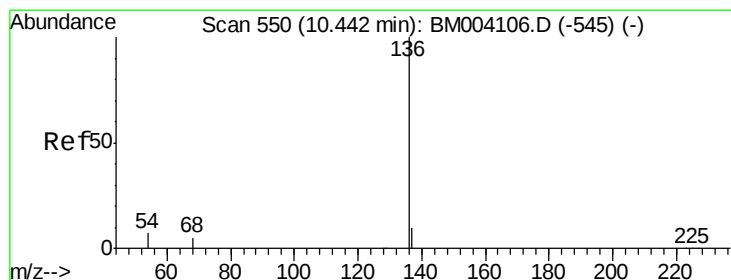
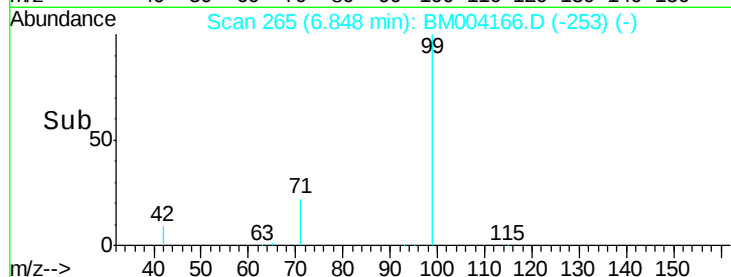
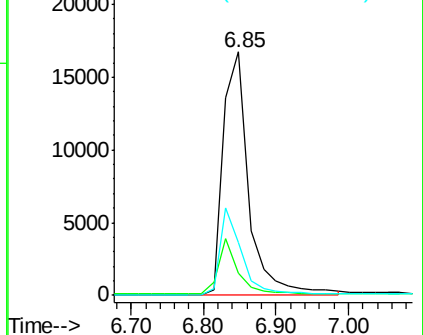
71 31.1 24.4 36.6



Abundance Ion 99.00 (98.70 to 99.70): BM004166.D (-253) (-)

Ion 42.00 (41.70 to 42.70): BM004166.D (-253) (-)

Ion 71.00 (70.70 to 71.70): BM004166.D (-253) (-)



#7

Naphthalene-d8

Concen: 5.00 ng

RT: 10.44 min Scan# 549

Delta R.T. -0.00 min

Lab File: BM004166.D

Acq: 02 Feb 2016 16:34

Tgt Ion: 136 Resp: 89224

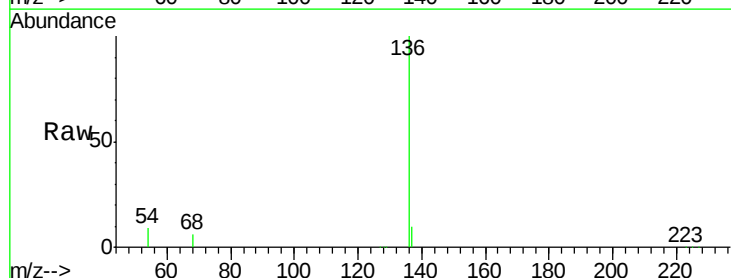
Ion Ratio Lower Upper

136 100

137 10.2 9.2 13.8

54 8.9 2.8 4.2#

68 6.4 2.5 3.7#

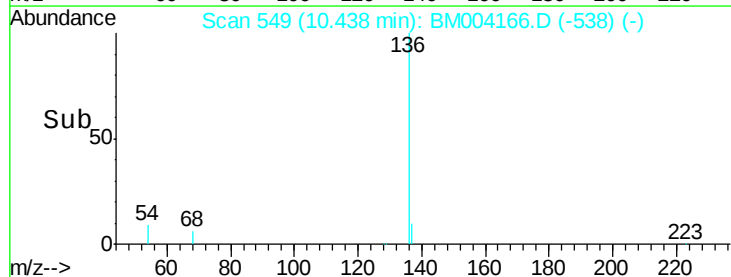
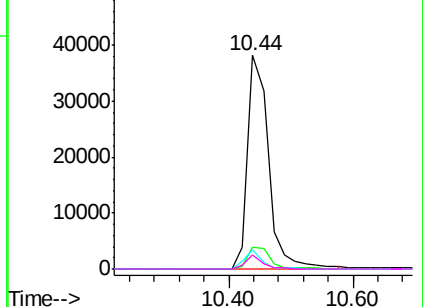


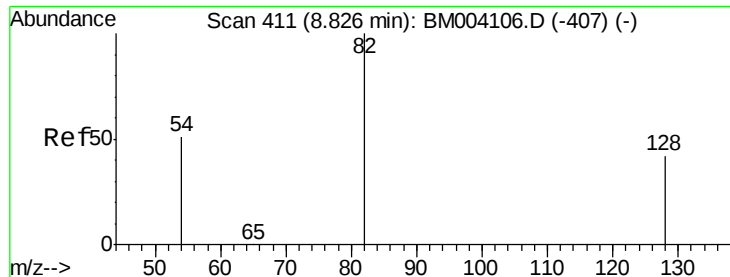
Abundance Ion 136.00 (135.70 to 136.70): BM004166.D (-538) (-)

Ion 137.00 (136.70 to 137.70): BM004166.D (-538) (-)

Ion 54.00 (53.70 to 54.70): BM004166.D (-538) (-)

Ion 68.00 (67.70 to 68.70): BM004166.D (-538) (-)





#8

Nitrobenzene-d5

Concen: 4.23 ng

RT: 8.82 min Scan# 410

Delta R.T. -0.00 min

Lab File: BM004166.D

Acq: 02 Feb 2016 16:34

Instrument :

BNA_M

ClientSampleId :

PB88134BL

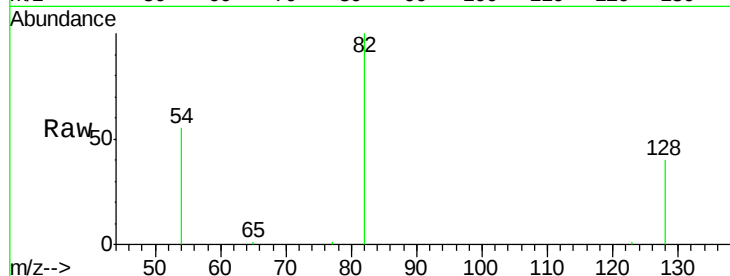
Tgt Ion: 82 Resp: 16517

Ion Ratio Lower Upper

82 100

128 40.4 39.1 58.7

54 54.9 34.8 52.2#

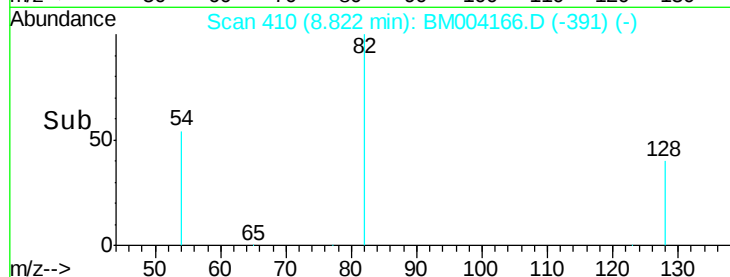


Abundance Ion 82.00 (81.70 to 82.70): BM004106.D (-407) (-)

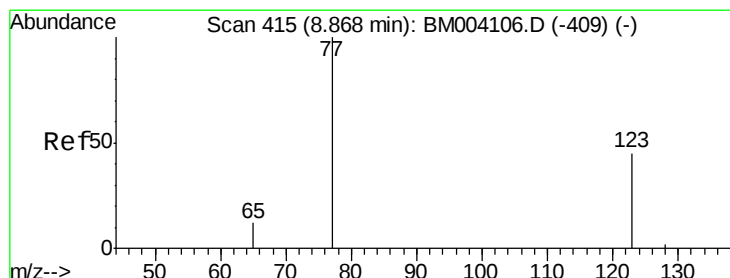
Ion 128.00 (127.70 to 128.70): BM004106.D (-407) (-)

Ion 54.00 (53.70 to 54.70): BM004106.D (-407) (-)

Time-->



Time-->



#9

Nitrobenzene

Concen: 0.23 ng

RT: 8.82 min Scan# 410

Delta R.T. -0.04 min

Lab File: BM004166.D

Acq: 02 Feb 2016 16:34

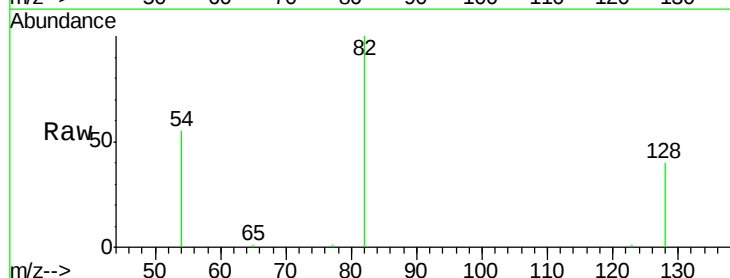
Tgt Ion: 77 Resp: 58

Ion Ratio Lower Upper

77 100

123 5.2 38.6 57.8#

65 37.9 9.9 14.9#

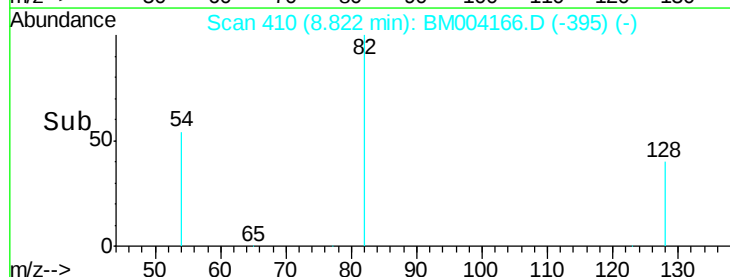


Abundance Ion 77.00 (76.70 to 77.70): BM004106.D (-409) (-)

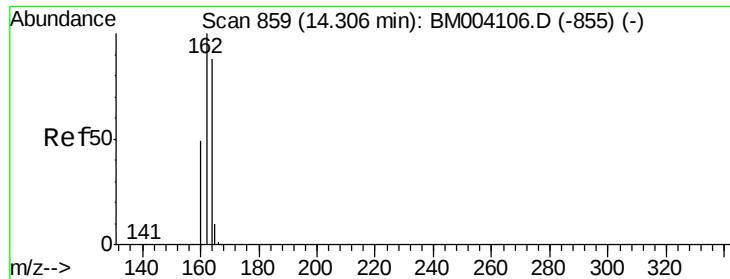
Ion 123.00 (122.70 to 123.70): BM004106.D (-409) (-)

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

Time-->



Time-->



#13

Acenaphthene-d10

Concen: 5.00 ng

RT: 14.30 min Scan# 858

Delta R.T. -0.00 min

Lab File: BM004166.D

Acq: 02 Feb 2016 16:34

Instrument :

BNA_M

ClientSampleId :

PB88134BL

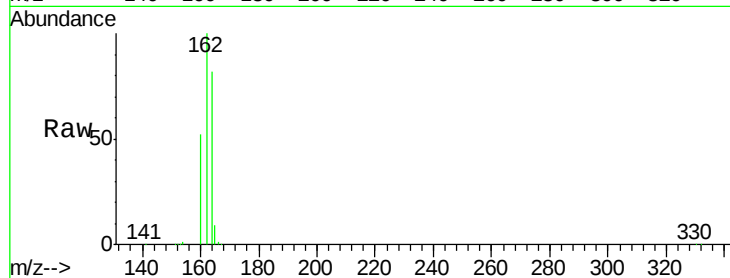
Tgt Ion:164 Resp: 52888

Ion Ratio Lower Upper

164 100

162 122.3 86.0 129.0

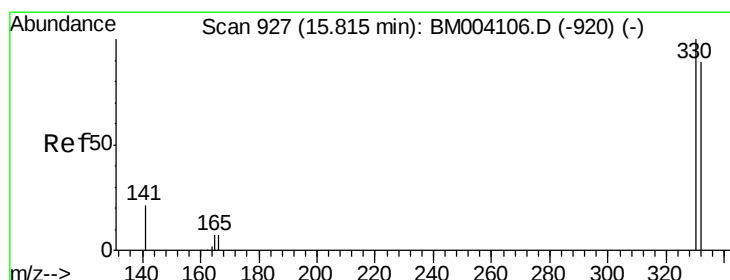
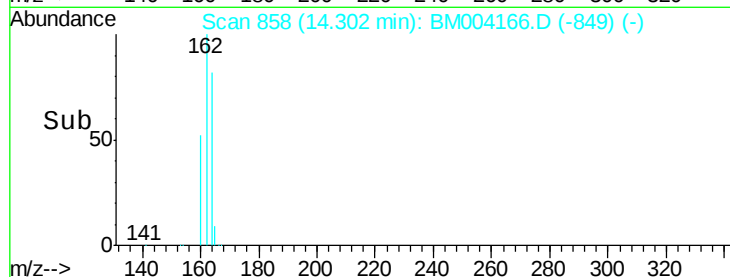
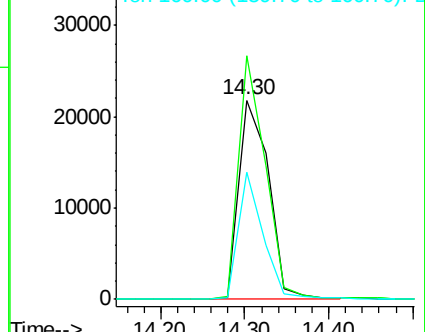
160 63.6 40.3 60.5#



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: 5.83 ng

RT: 15.81 min Scan# 926

Delta R.T. -0.00 min

Lab File: BM004166.D

Acq: 02 Feb 2016 16:34

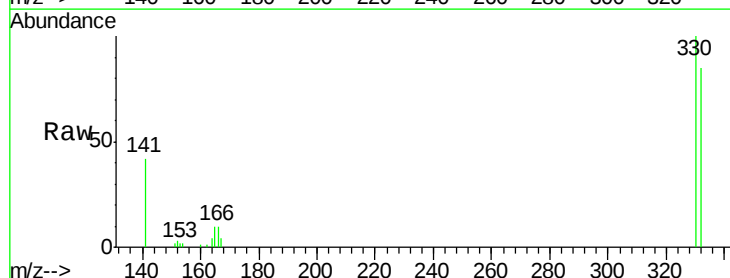
Tgt Ion:330 Resp: 11926

Ion Ratio Lower Upper

330 100

332 94.6 79.0 118.4

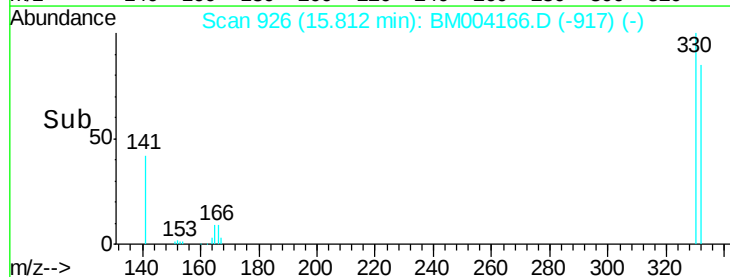
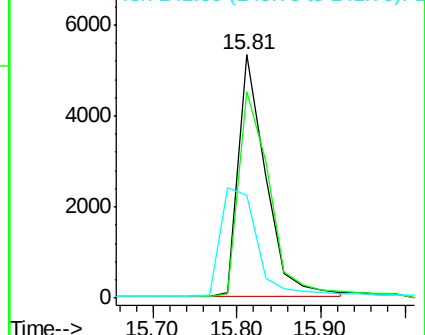
141 0.0 27.8 41.6#

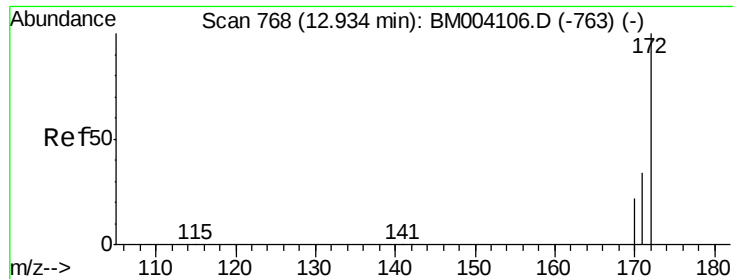


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

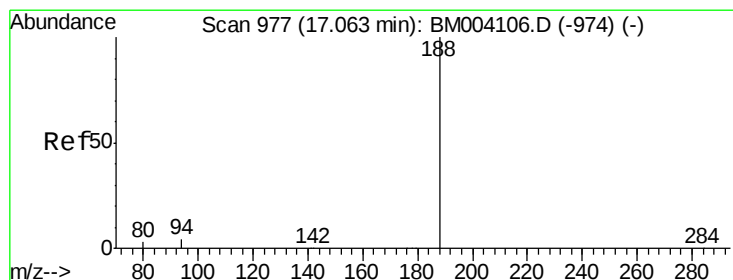
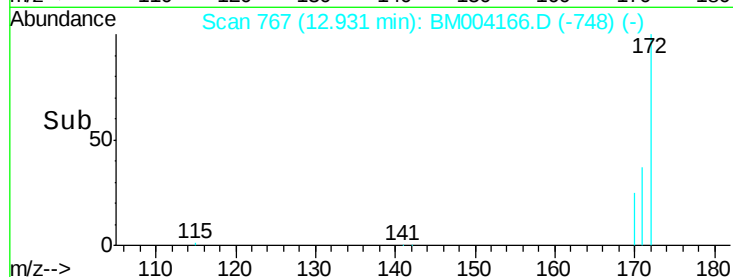
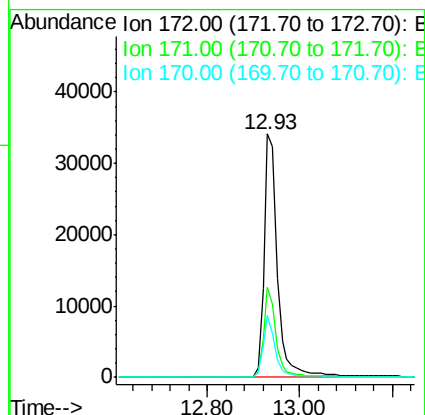
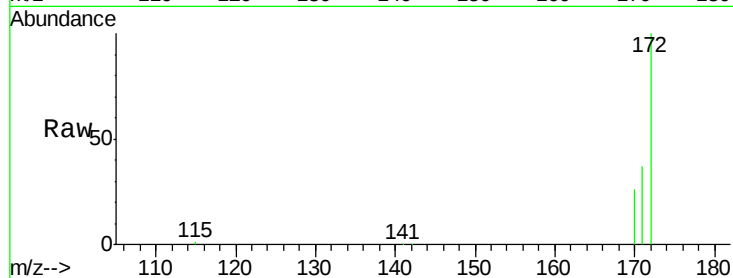




#15
 2-Fluorobiphenyl
 Concen: 4.20 ng
 RT: 12.93 min Scan# 767
 Delta R.T. -0.00 min
 Lab File: BM004166.D
 Acq: 02 Feb 2016 16:34

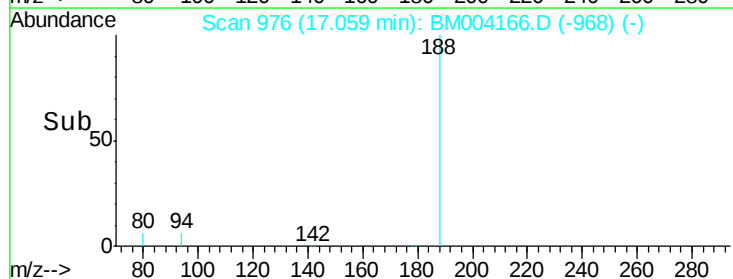
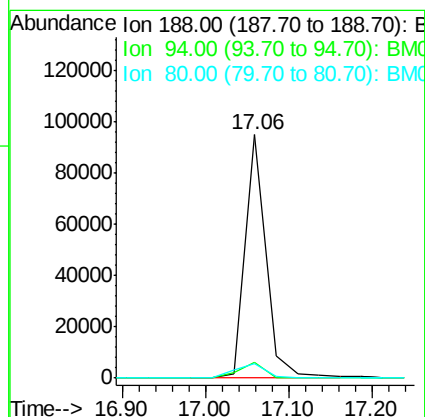
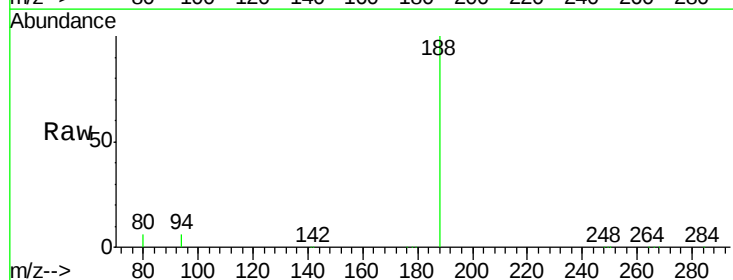
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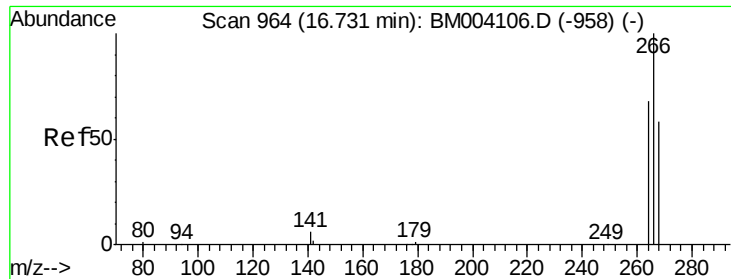
Tgt Ion:172 Resp: 68035
 Ion Ratio Lower Upper
 172 100
 171 36.9 27.0 40.6
 170 25.5 17.9 26.9



#19
 Phenanthrene-d10
 Concen: 5.00 ng
 RT: 17.06 min Scan# 976
 Delta R.T. -0.00 min
 Lab File: BM004166.D
 Acq: 02 Feb 2016 16:34

Tgt Ion:188 Resp: 166371
 Ion Ratio Lower Upper
 188 100
 94 6.4 20.3 30.5#
 80 5.9 22.2 33.4#





#22

Pentachlorophenol

Concen: 0.23 ng

RT: 16.78 min Scan# 965

Delta R.T. 0.05 min

Lab File: BM004166.D

Acq: 02 Feb 2016 16:34

Instrument :

BNA_M

ClientSampleId :

PB88134BL

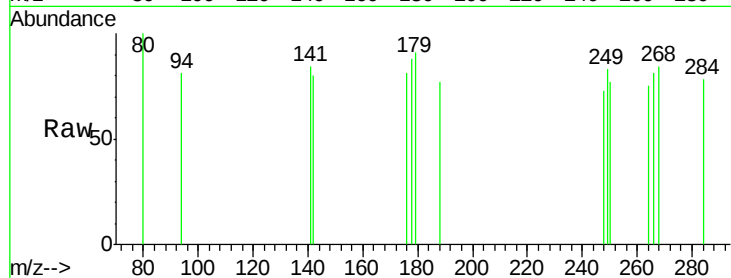
Tgt Ion: 266 Resp: 8

Ion Ratio Lower Upper

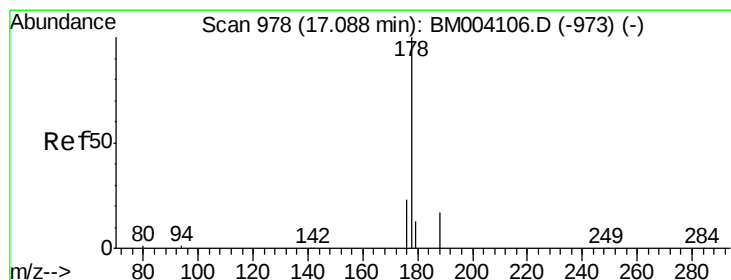
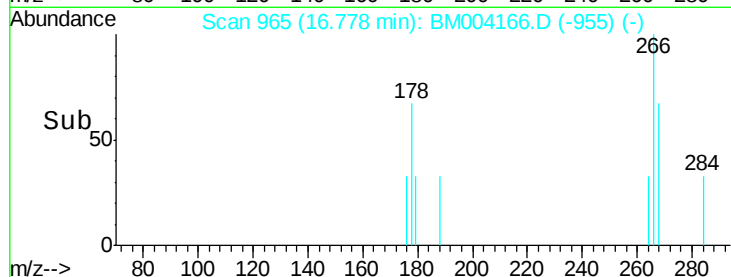
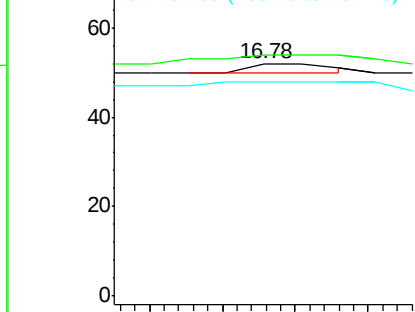
266 100

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



#23

Phenanthrene

Concen: Below Cal

RT: 17.06 min Scan# 976

Delta R.T. -0.03 min

Lab File: BM004166.D

Acq: 02 Feb 2016 16:34

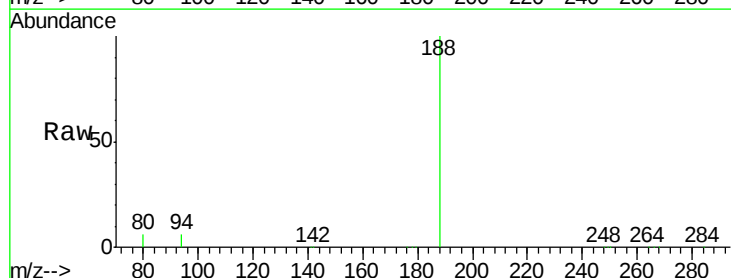
Tgt Ion: 178 Resp: 94

Ion Ratio Lower Upper

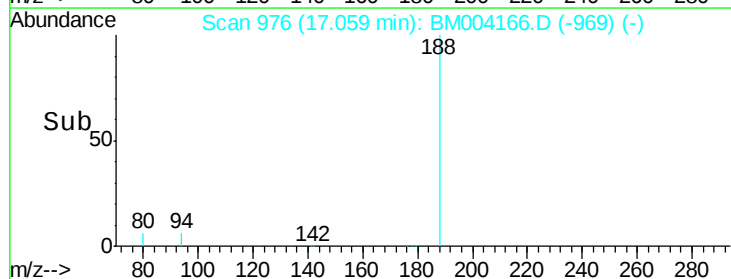
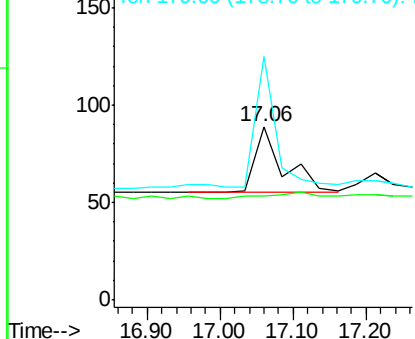
178 100

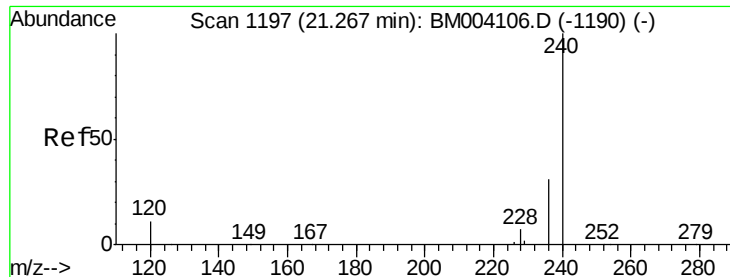
176 0.0 15.4 23.0#

179 137.2 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

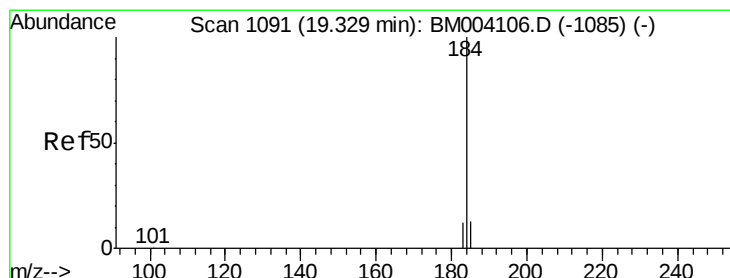
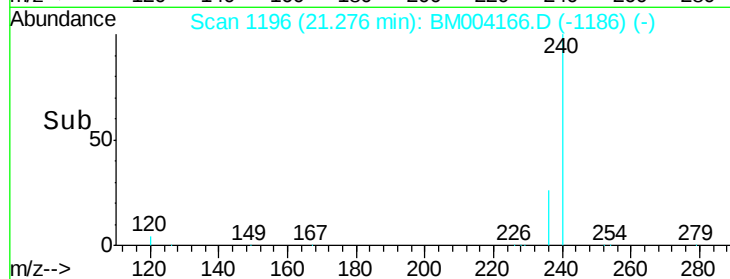
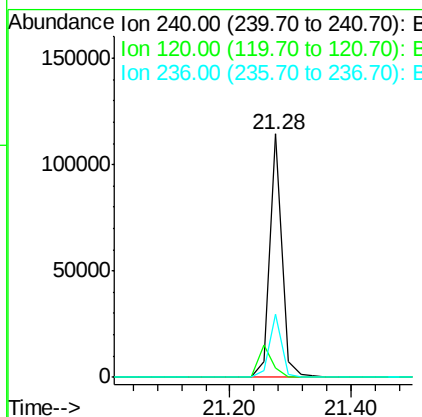
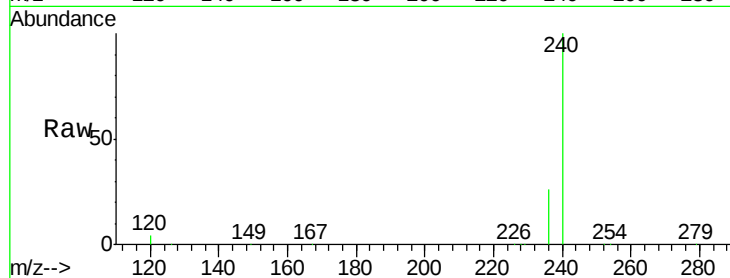




#26
 Chrysene-d12
 Concen: 5.00 ng
 RT: 21.28 min Scan# 1196
 Delta R.T. 0.01 min
 Lab File: BM004166.D
 Acq: 02 Feb 2016 16:34

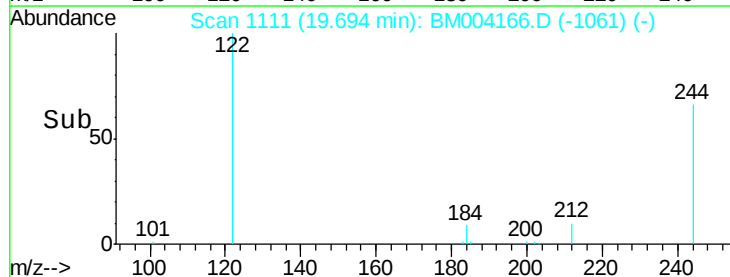
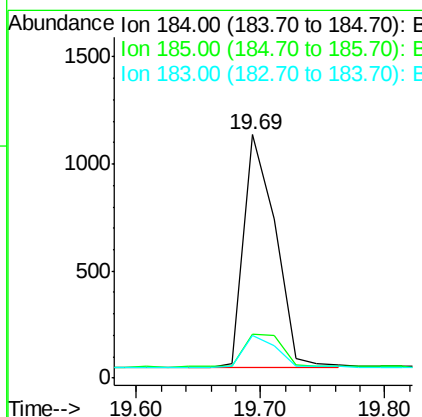
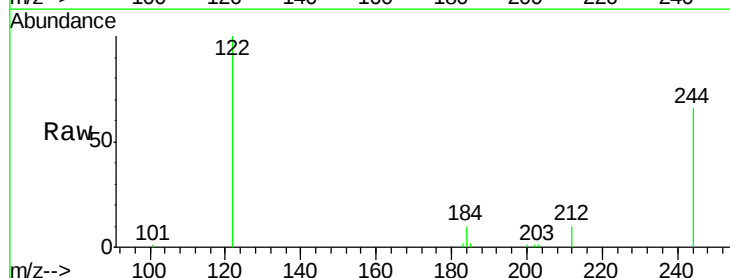
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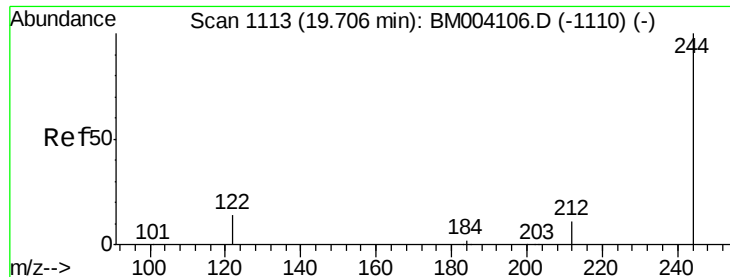
Tgt Ion:240 Resp: 162894
 Ion Ratio Lower Upper
 240 100
 120 3.7 0.9 1.3#
 236 25.8 17.3 25.9



#27
 Benzidine
 Concen: 0.37 ng
 RT: 19.69 min Scan# 1111
 Delta R.T. 0.37 min
 Lab File: BM004166.D
 Acq: 02 Feb 2016 16:34

Tgt Ion:184 Resp: 1921
 Ion Ratio Lower Upper
 184 100
 185 18.0 13.2 19.8
 183 17.5 9.0 13.6#





#29

Terphenyl-d14

Concen: 4.38 ng

RT: 19.71 min Scan# 1112

Delta R.T. 0.01 min

Lab File: BM004166.D

Acq: 02 Feb 2016 16:34

Instrument :

BNA_M

ClientSampleId :

PB88134BL

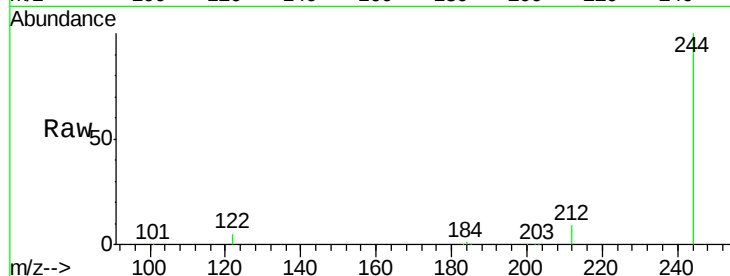
Tgt Ion:244 Resp: 90694

Ion Ratio Lower Upper

244 100

212 9.5 7.0 10.6

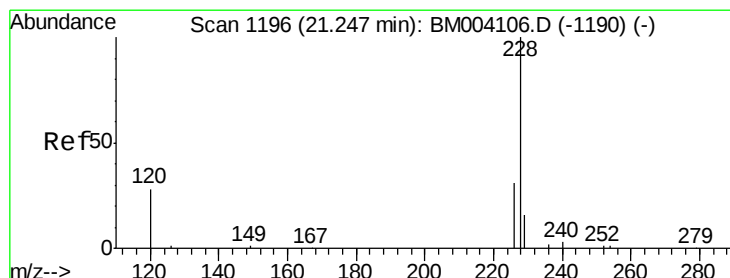
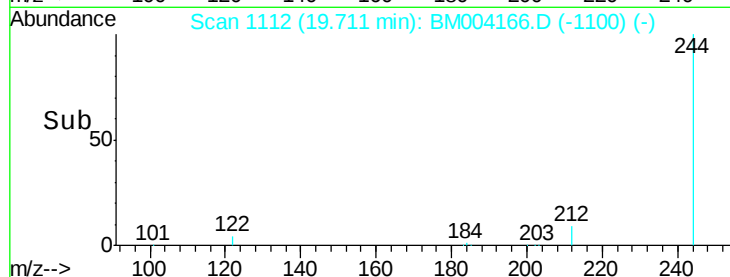
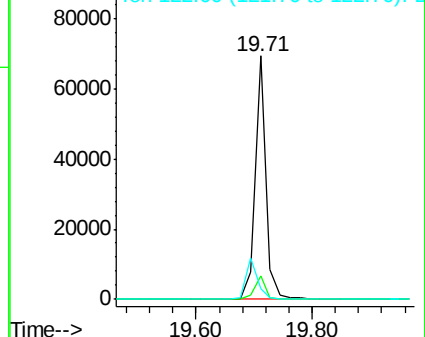
122 4.5 3.0 4.6



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: 21.28 min Scan# 1196

Delta R.T. 0.03 min

Lab File: BM004166.D

Acq: 02 Feb 2016 16:34

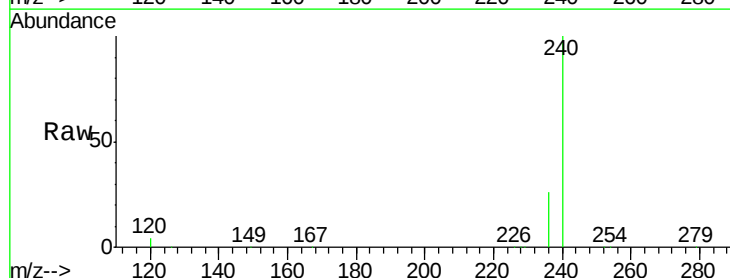
Tgt Ion:228 Resp: 682

Ion Ratio Lower Upper

228 100

226 23.3 17.2 25.8

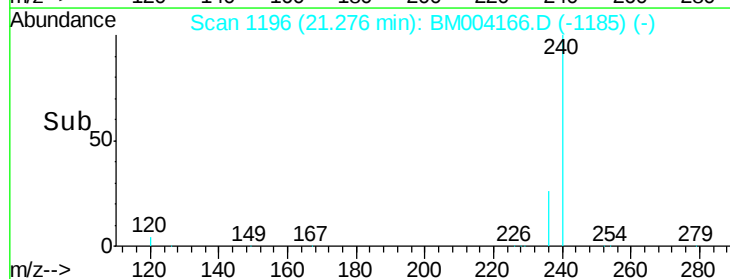
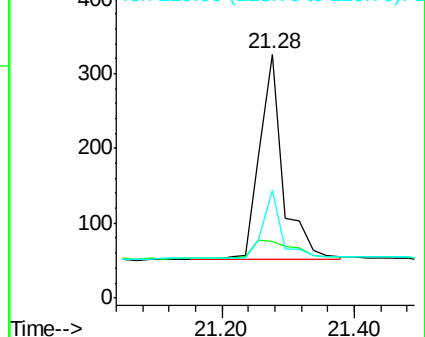
229 44.2 18.7 28.1#

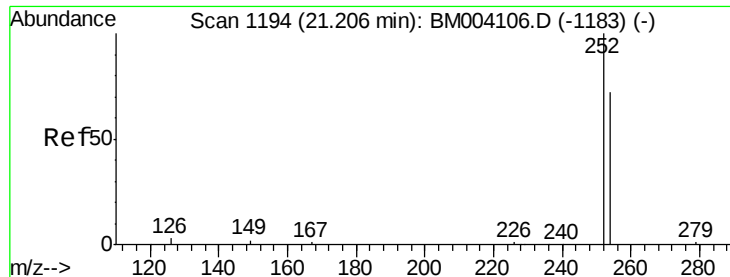


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

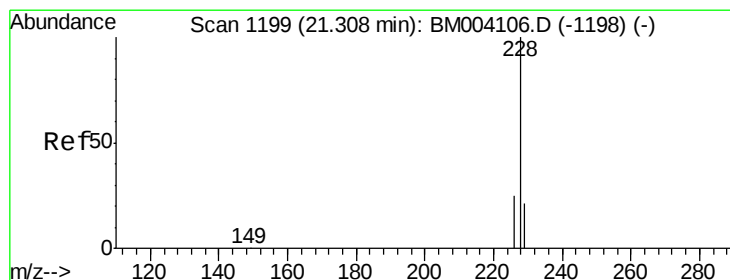
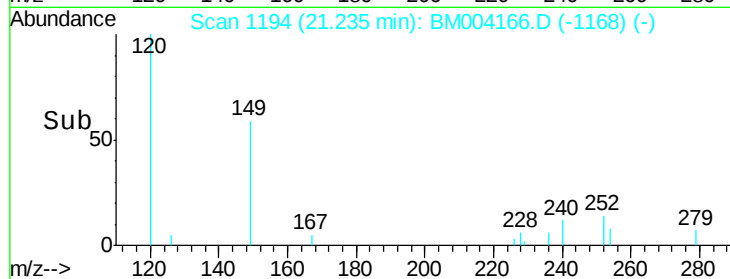
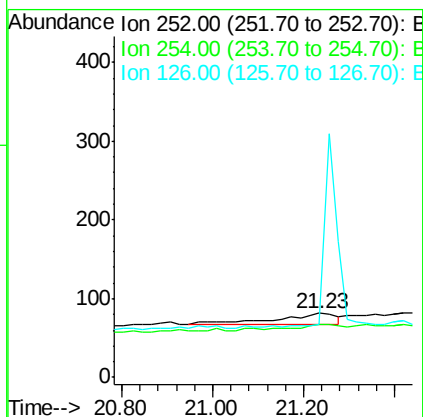
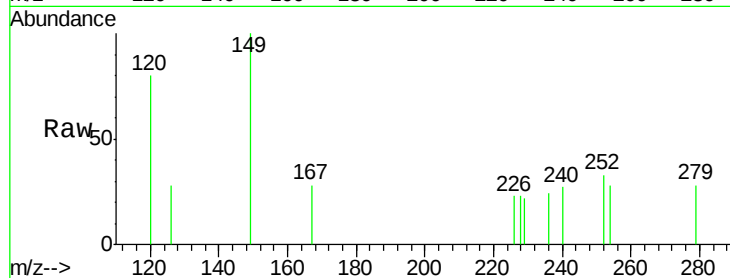




#31
 3,3'-Dichlorobenzidine
 Concen: 0.03 ng
 RT: 21.23 min Scan# 1194
 Delta R.T. 0.03 min
 Lab File: BM004166.D
 Acq: 02 Feb 2016 16:34

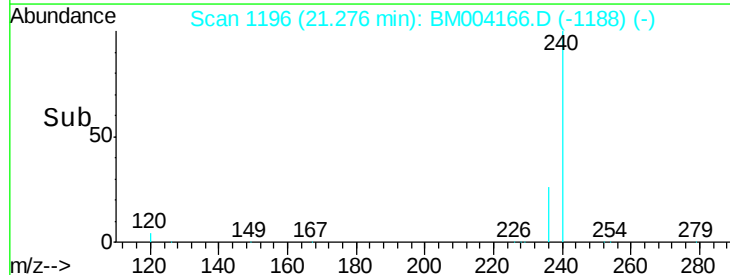
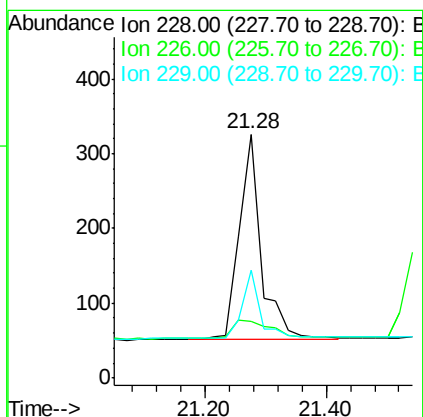
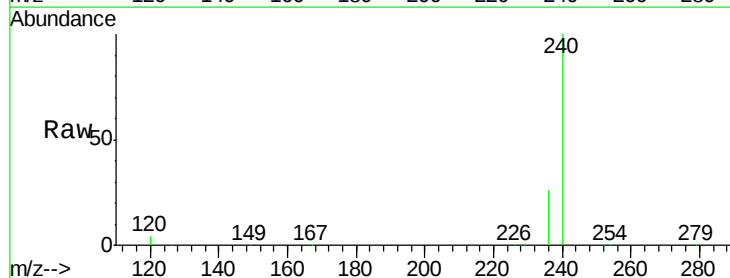
Instrument :
 BNA_M
 ClientSampleId :
 PB88134BL

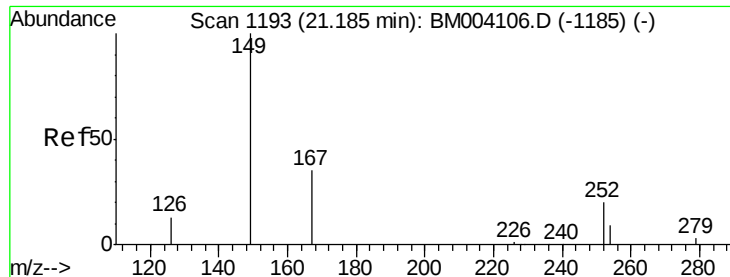
Tgt Ion: 252 Resp: 119
 Ion Ratio Lower Upper
 252 100
 254 82.9 52.6 79.0#
 126 82.9 3.7 5.5#



#32
 Chrysene
 Concen: Below Cal
 RT: 21.28 min Scan# 1196
 Delta R.T. -0.03 min
 Lab File: BM004166.D
 Acq: 02 Feb 2016 16:34

Tgt Ion: 228 Resp: 690
 Ion Ratio Lower Upper
 228 100
 226 23.3 25.3 37.9#
 229 44.2 14.5 21.7#





#33

Bis(2-ethylhexyl)phthalate

Concen: 0.04 ng

RT: 21.17 min Scan# 1191

Delta R.T. -0.01 min

Lab File: BM004166.D

Acq: 02 Feb 2016 16:34

Instrument :

BNA_M

ClientSampleId :

PB88134BL

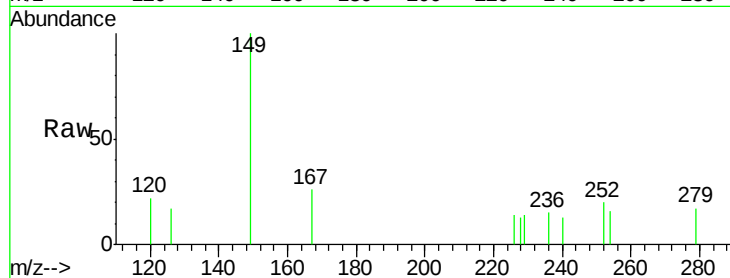
Tgt Ion:149 Resp: 285

Ion Ratio Lower Upper

149 100

167 22.5 20.1 30.1

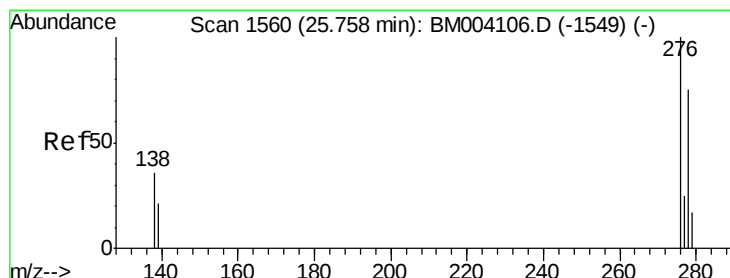
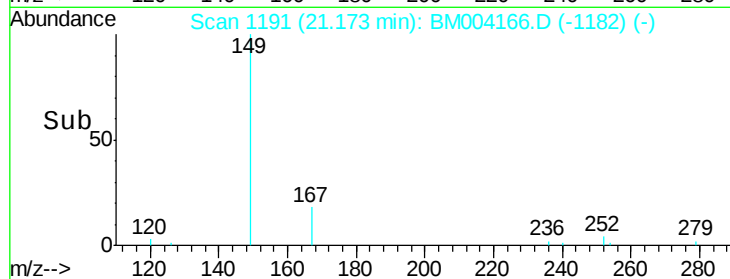
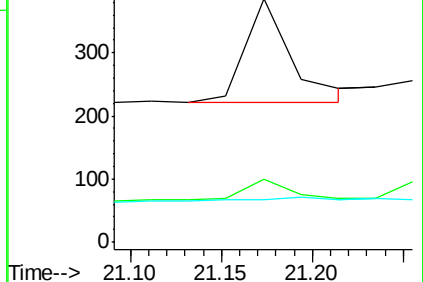
279 0.0 1.8 2.6#



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: 25.79 min Scan# 1561

Delta R.T. 0.03 min

Lab File: BM004166.D

Acq: 02 Feb 2016 16:34

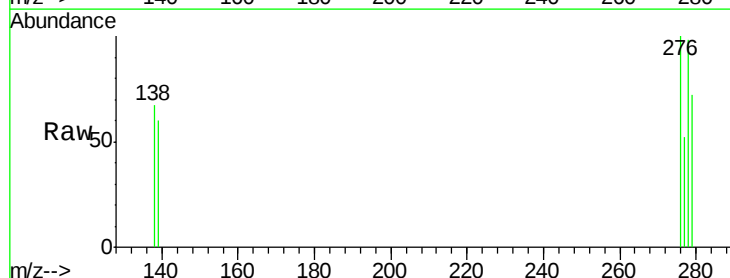
Tgt Ion:276 Resp: 462

Ion Ratio Lower Upper

276 100

138 44.4 30.2 45.2

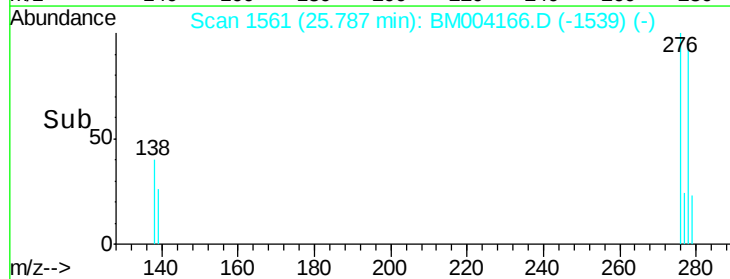
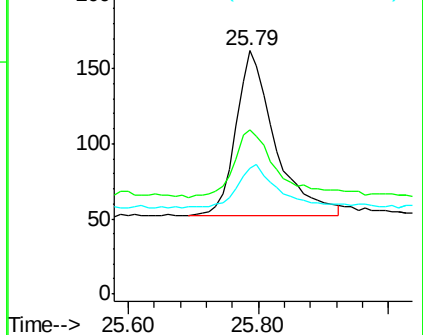
277 27.9 19.8 29.8

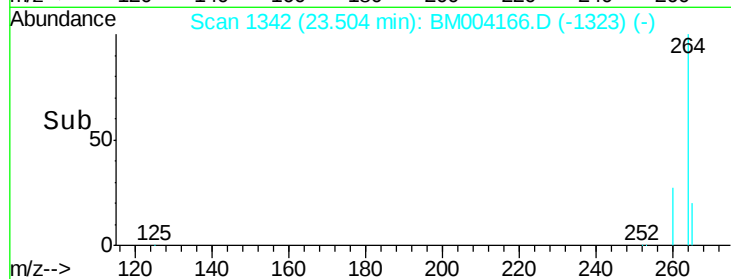
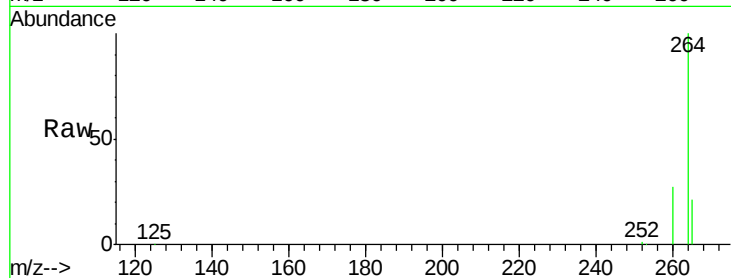
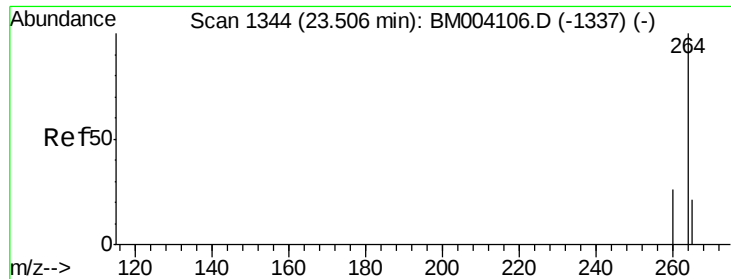


Abundance Ion 276.00 (275.70 to 276.70): E

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: 23.50 min Scan# 1342

Delta R.T. -0.00 min

Lab File: BM004166.D

Acq: 02 Feb 2016 16:34

Instrument :

BNA_M

ClientSampleId :

PB88134BL

Tgt Ion: 264 Resp: 134814

Ion Ratio Lower Upper

264 100

260 26.6 21.2 31.8

265 20.9 16.7 25.1

