

Data Path : Z:\HPCHEM1\BNA M\DATA\BM010216\
 Data File : BM003915.D
 Acq On : 31 Dec 2015 15:40
 Operator : SJ/UM
 Sample : SSTDICV001
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 ICVBM010216

Quant Time: Dec 31 16:13:35 2015
 Quant Method : Z:\HPCHEM1\BNA M\METHODS\8270-SIM-BM010216.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Dec 31 15:37:36 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.67	152	108535	5.00	ng	0.00
7) Naphthalene-d8	10.46	136	457460	5.00	ng	0.00
13) Acenaphthene-d10	14.33	164	238936	5.00	ng	0.00
19) Phenanthrene-d10	17.06	188	592575	5.00	ng	0.00
26) Chrysene-d12	21.29	240	393220	5.00	ng	0.02
35) Perylene-d12	23.52	264	310565	5.00	ng	0.00

System Monitoring Compounds						
4) 2-Fluorophenol	5.27	112	21471	0.97	ng	0.00
5) Phenol-d6	6.85	99	27730	1.02	ng	0.00
8) Nitrobenzene-d5	8.83	82	23381	1.04	ng	-0.01
14) 2,4,6-Tribromophenol	15.82	330	5571	0.99	ng	0.00
15) 2-Fluorobiphenyl	12.94	172	75037	0.97	ng	0.00
29) Terphenyl-d14	19.72	244	63859	1.00	ng	0.00

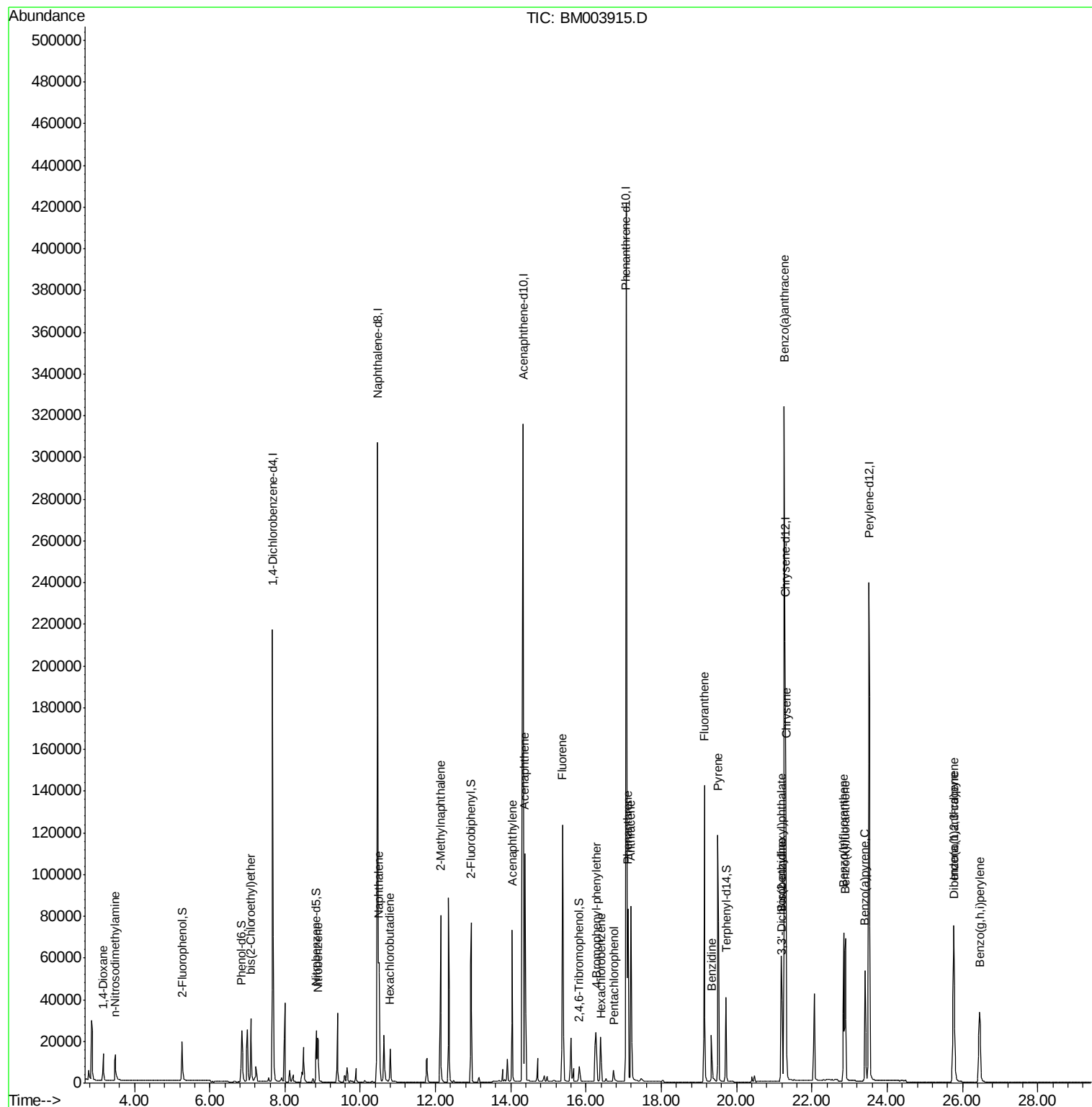
Target Compounds				Qvalue		
2) 1,4-Dioxane	3.17	88	9216	0.96	ng	97
3) n-Nitrosodimethylamine	3.48	42	11452	1.02	ng	96
6) bis(2-Chloroethyl)ether	7.09	93	25061	1.01	ng	99
9) Nitrobenzene	8.87	77	25647	1.06	ng	99
10) Naphthalene	10.49	128	97696	0.98	ng	99
11) Hexachlorobutadiene	10.79	225	14816	0.97	ng	100
12) 2-Methylnaphthalene	12.13	142	67040	0.99	ng	97
16) Acenaphthylene	14.04	152	105073	1.05	ng	99
17) Acenaphthene	14.37	154	65744	0.94	ng	93
18) Fluorene	15.37	166	82806	1.00	ng	96
20) 4-Bromophenyl-phenylether	16.27	248	17571	0.96	ng	# 55
21) Hexachlorobenzene	16.40	284	18287	0.94	ng	# 48
22) Pentachlorophenol	16.73	266	5228	1.17	ng	# 78
23) Phenanthrene	17.11	178	121285	1.06	ng	98
24) Anthracene	17.19	178	118647	0.99	ng	96
25) Fluoranthene	19.14	202	137432	1.04	ng	99
27) Benzidine	19.33	184	35471	1.16	ng	96
28) Pyrene	19.50	202	139696	0.99	ng	99
30) Benzo(a)anthracene	21.27	228	107889	0.97	ng	100
31) 3,3'-Dichlorobenzidine	21.21	252	33151	1.14	ng	# 98
32) Chrysene	21.31	228	124768	1.08	ng	98
33) Bis(2-ethylhexyl)phthalate	21.19	149	56643	1.13	ng	# 96
34) Indeno(1,2,3-cd)pyrene	25.77	276	83020	1.00	ng	100
36) Benzo(b)fluoranthene	22.84	252	89354	0.94	ng	95
37) Benzo(k)fluoranthene	22.89	252	92462	1.01	ng	99
38) Benzo(a)pyrene	23.41	252	79060	0.98	ng	96
39) Dibenzo(a,h)anthracene	25.78	278	66045	0.96	ng	99
40) Benzo(g,h,i)perylene	26.46	276	68227	0.93	ng	99

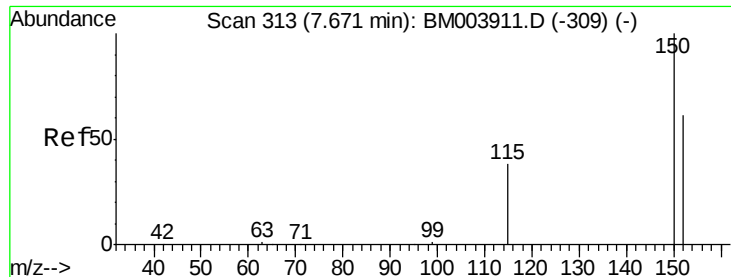
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Dec 31 16:13:35 2015
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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: BM003915.D

Acq: 31 Dec 2015 15:40

Instrument :

BNA_M

ClientSampleId :

ICVBM010216

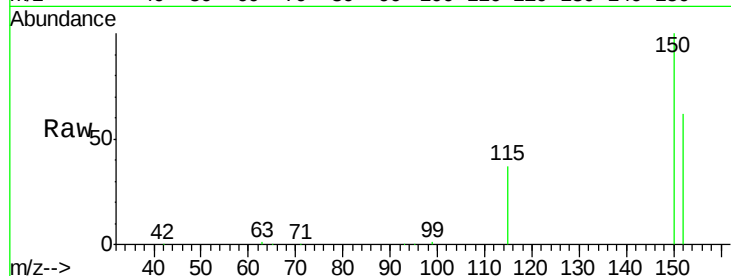
Tot Ion:152 Resp: 108535

Ion Ratio Lower Upper

152 100

150 161.7 122.9 184.3

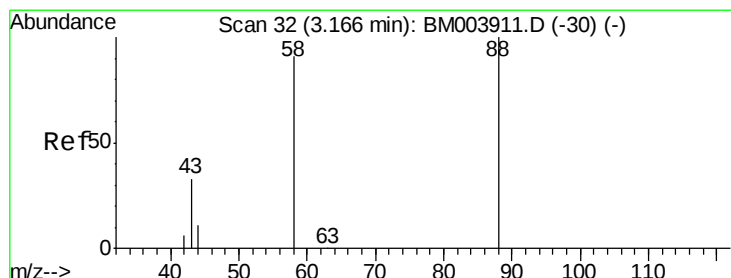
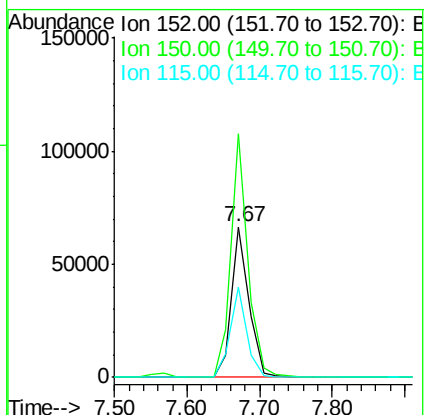
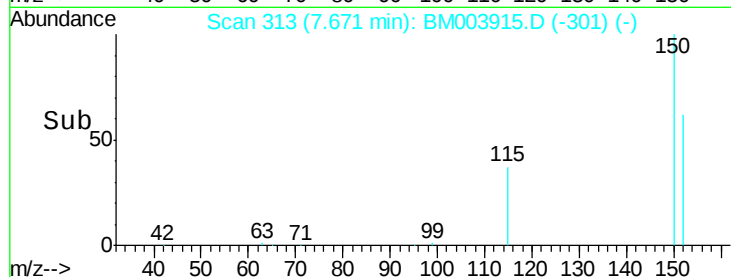
115 60.2 44.4 66.6



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: 0.96 ng

RT: 3.17 min Scan# 32

Delta R.T. 0.00 min

Lab File: BM003915.D

Acq: 31 Dec 2015 15:40

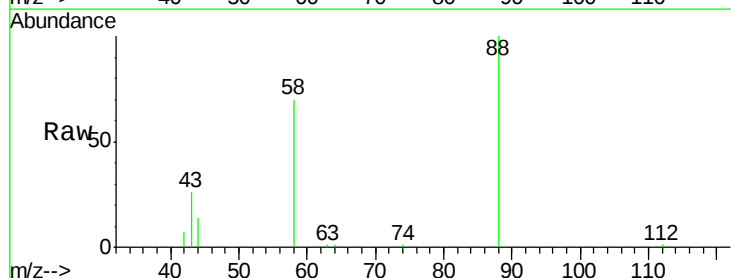
Tgt Ion: 88 Resp: 9216

Ion Ratio Lower Upper

88 100

58 70.1 53.8 80.6

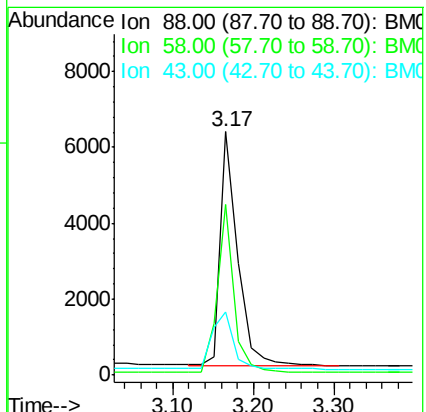
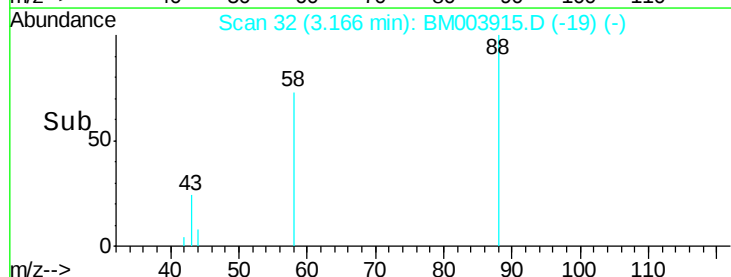
43 29.9 23.8 35.6

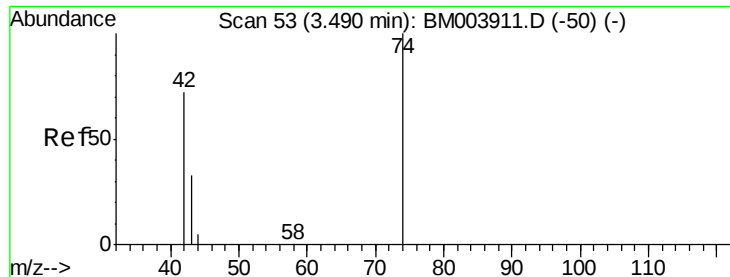


Abundance Ion 88.00 (87.70 to 88.70): BM0

Ion 58.00 (57.70 to 58.70): BM0

Ion 43.00 (42.70 to 43.70): BM0





#3

n-Nitrosodimethylamine

Concen: 1.02 ng

RT: 3.48 min Scan# 52

Delta R.T. -0.02 min

Lab File: BM003915.D

Acq: 31 Dec 2015 15:40

Instrument :

BNA_M

ClientSampleId :

ICVBM010216

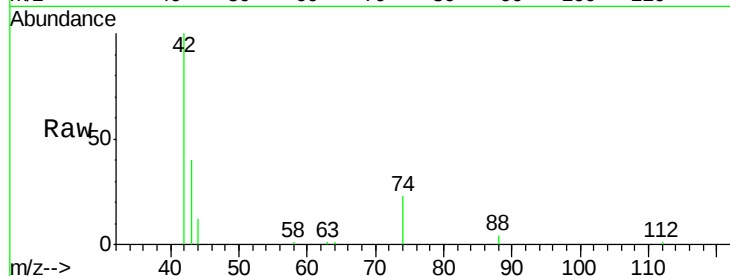
Tot Ion: 42 Resp: 11452

Ion Ratio Lower Upper

42 100

74 114.4 95.0 142.4

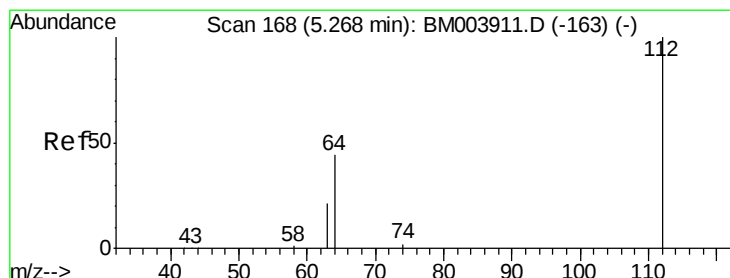
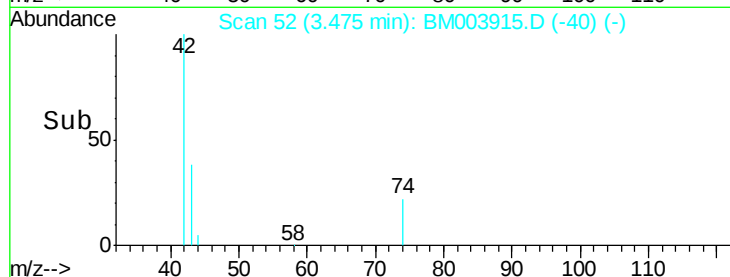
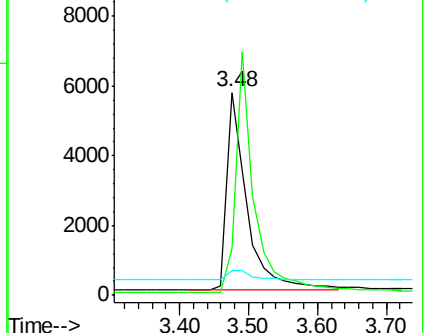
44 6.4 5.1 7.7



Abundance Ion 42.00 (41.70 to 42.70): BM003911.D (-50) (-)

Ion 74.00 (73.70 to 74.70): BM003911.D (-50) (-)

Ion 44.00 (43.70 to 44.70): BM003911.D (-50) (-)



#4

2-Fluorophenol

Concen: 0.97 ng

RT: 5.27 min Scan# 168

Delta R.T. 0.00 min

Lab File: BM003915.D

Acq: 31 Dec 2015 15:40

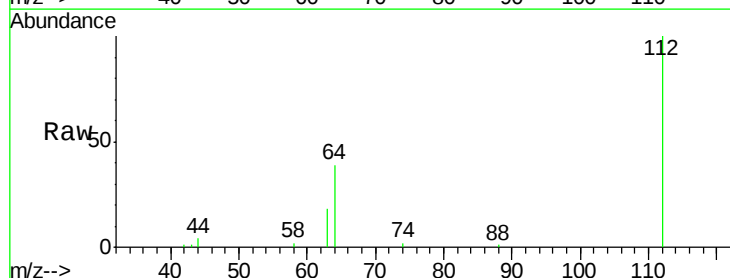
Tgt Ion: 112 Resp: 21471

Ion Ratio Lower Upper

112 100

64 52.4 41.8 62.8

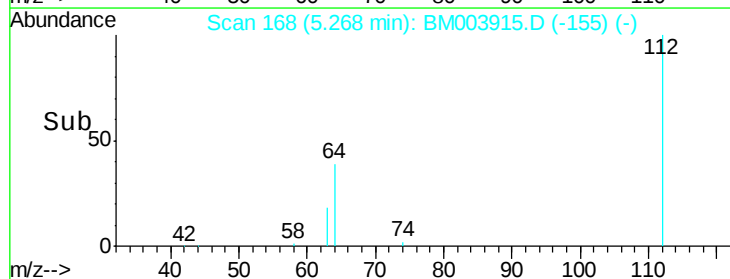
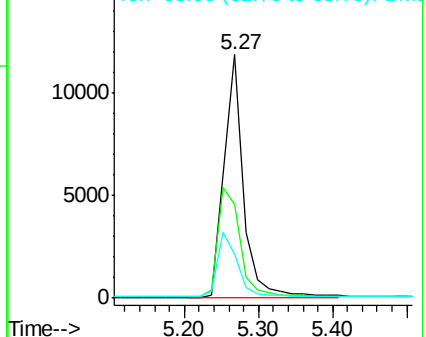
63 27.8 22.1 33.1

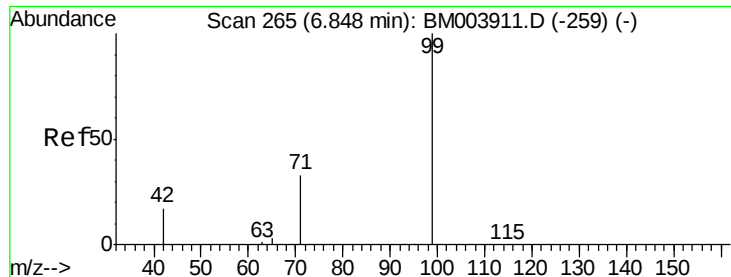


Abundance Ion 112.00 (111.70 to 112.70): BM003911.D (-163) (-)

Ion 64.00 (63.70 to 64.70): BM003911.D (-163) (-)

Ion 63.00 (62.70 to 63.70): BM003911.D (-163) (-)





#5

Phenol-d6

Concen: 1.02 ng

RT: 6.85 min Scan# 265

Delta R.T. 0.00 min

Lab File: BM003915.D

Acq: 31 Dec 2015 15:40

Instrument :

BNA_M

ClientSampleId :

ICVBM010216

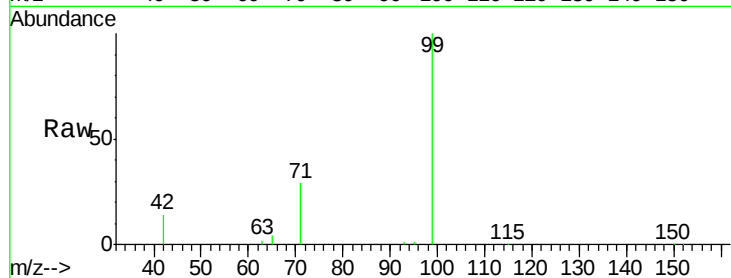
Tot Ion: 99 Resp: 27730

Ion Ratio Lower Upper

99 100

42 19.9 16.2 24.2

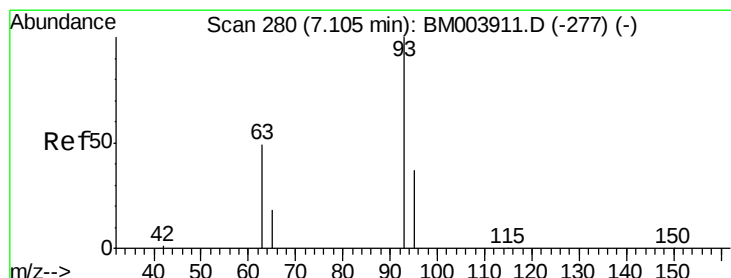
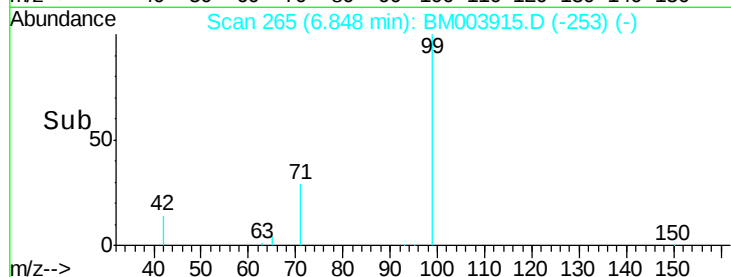
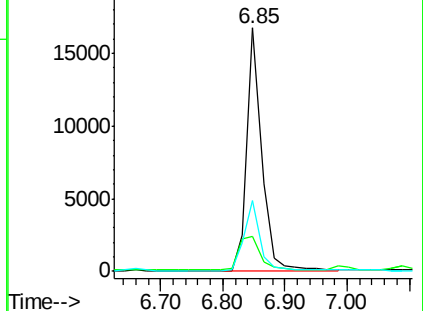
71 30.4 24.4 36.6



Abundance Ion 99.00 (98.70 to 99.70): BM003915.D (-253) (-)

Ion 42.00 (41.70 to 42.70): BM003915.D (-253) (-)

Ion 71.00 (70.70 to 71.70): BM003915.D (-253) (-)



#6

bis(2-Chloroethyl)ether

Concen: 1.01 ng

RT: 7.09 min Scan# 279

Delta R.T. -0.02 min

Lab File: BM003915.D

Acq: 31 Dec 2015 15:40

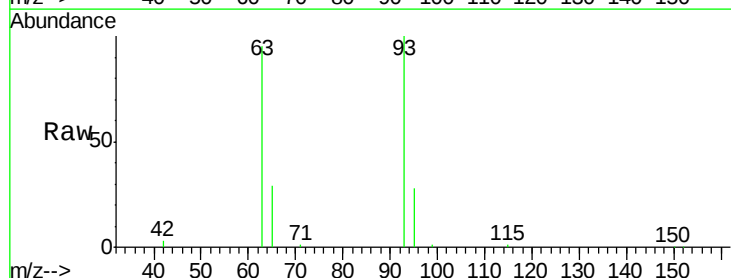
Tgt Ion: 93 Resp: 25061

Ion Ratio Lower Upper

93 100

63 74.1 58.3 87.5

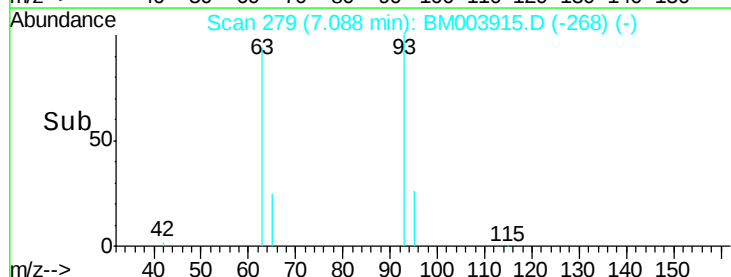
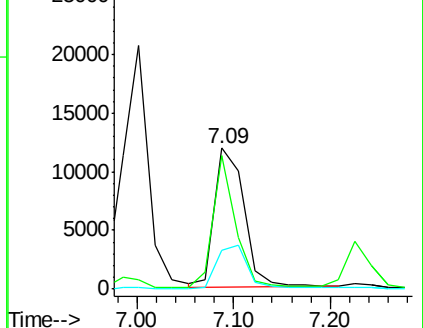
95 32.3 25.8 38.8

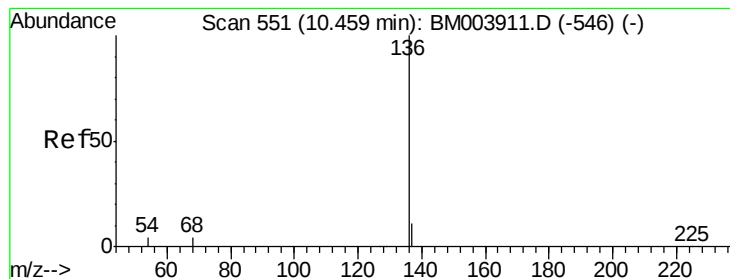


Abundance Ion 93.00 (92.70 to 93.70): BM003915.D (-268) (-)

Ion 63.00 (62.70 to 63.70): BM003915.D (-268) (-)

Ion 95.00 (94.70 to 95.70): BM003915.D (-268) (-)





#7

Naphthalene-d8

Concen: 5.00 ng

RT: 10.46 min Scan# 551

Delta R.T. 0.00 min

Lab File: BM003915.D

Acq: 31 Dec 2015 15:40

Instrument :

BNA_M

ClientSampleId :

ICVBM010216

Tot Ion:136 Resp: 457460

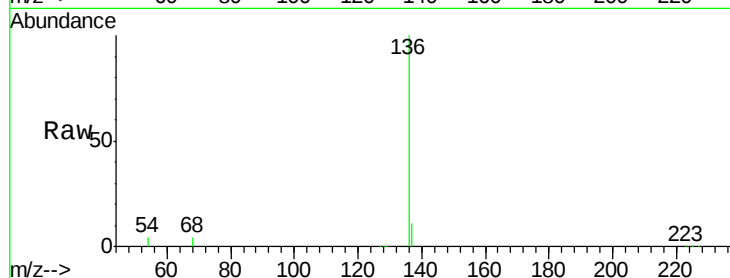
Ion Ratio Lower Upper

136 100

137 11.2 9.2 13.8

54 4.3 2.8 4.2#

68 3.7 2.5 3.7

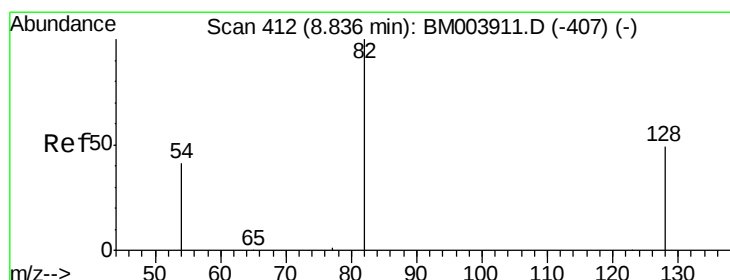
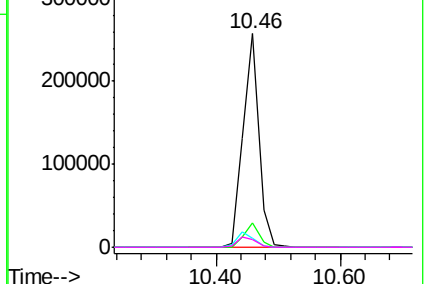
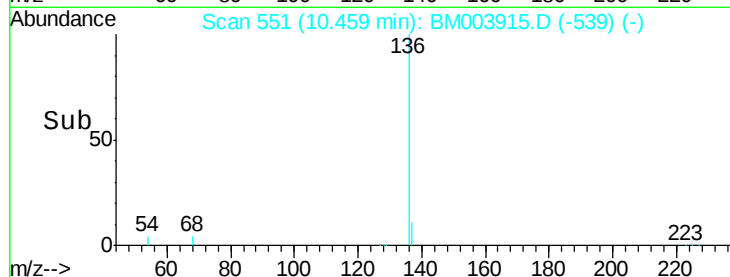


Abundance Ion 136.00 (135.70 to 136.70): E

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: 1.04 ng

RT: 8.83 min Scan# 411

Delta R.T. -0.01 min

Lab File: BM003915.D

Acq: 31 Dec 2015 15:40

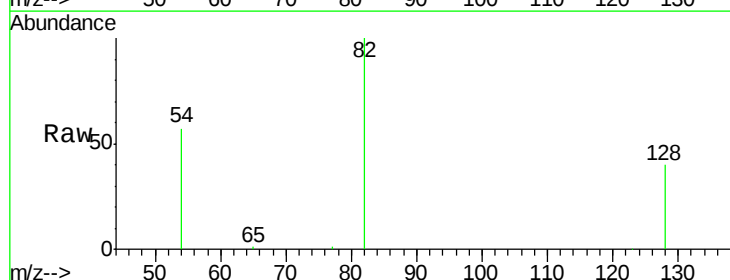
Tgt Ion: 82 Resp: 23381

Ion Ratio Lower Upper

82 100

128 39.6 39.1 58.7

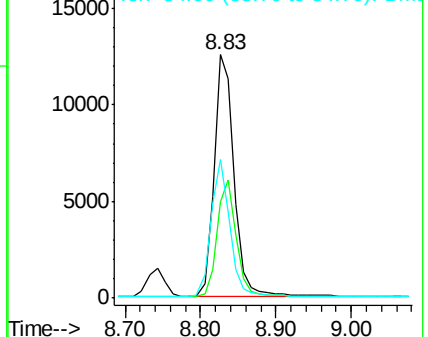
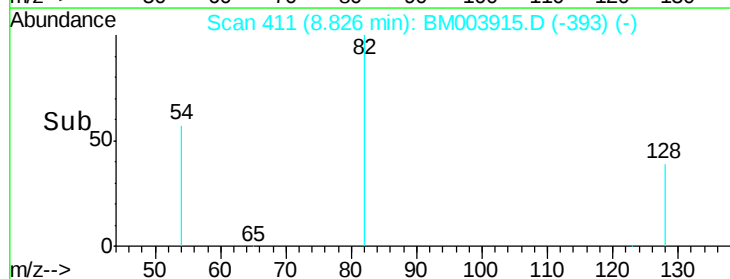
54 57.0 34.8 52.2#

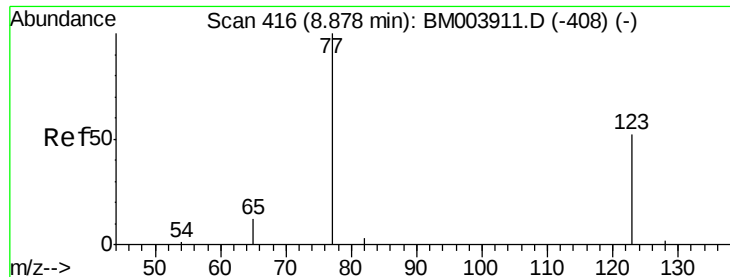


Abundance Ion 82.00 (81.70 to 82.70): BM

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BM





#9

Nitrobenzene

Concen: 1.06 ng

RT: 8.87 min Scan# 415

Delta R.T. -0.01 min

Lab File: BM003915.D

Acq: 31 Dec 2015 15:40

Instrument :

BNA_M

ClientSampleId :

ICVBM010216

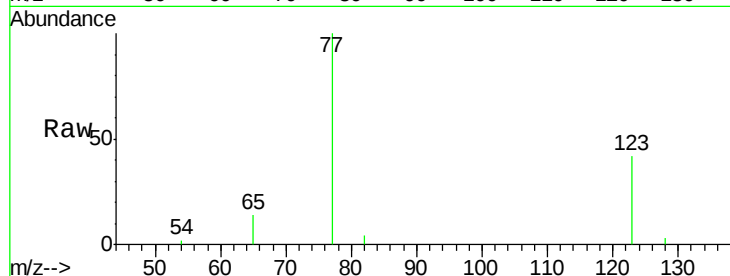
Tot Ion: 77 Resp: 25647

Ion Ratio Lower Upper

77 100

123 48.8 38.6 57.8

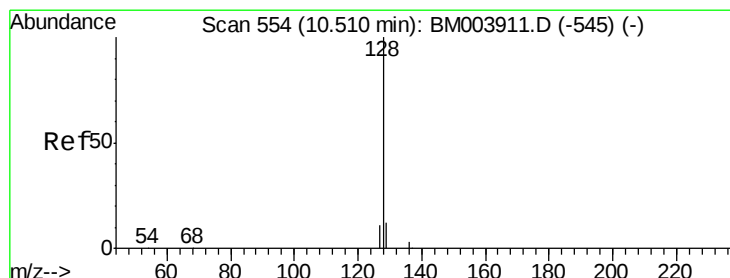
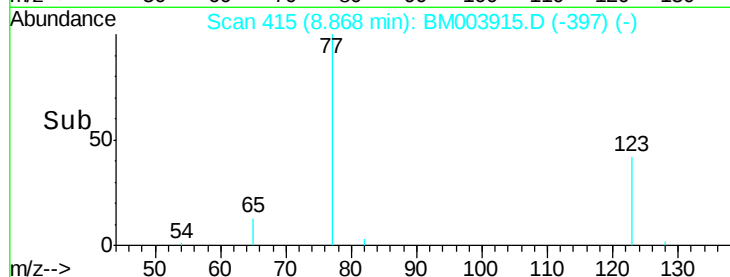
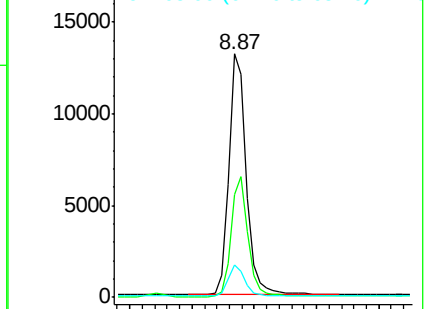
65 12.6 9.9 14.9



Abundance Ion 77.00 (76.70 to 77.70): BM003911.D (-408) (-)

Ion 123.00 (122.70 to 123.70): BM003911.D (-408) (-)

Ion 65.00 (64.70 to 65.70): BM003911.D (-408) (-)



#10

Naphthalene

Concen: 0.98 ng

RT: 10.49 min Scan# 553

Delta R.T. -0.02 min

Lab File: BM003915.D

Acq: 31 Dec 2015 15:40

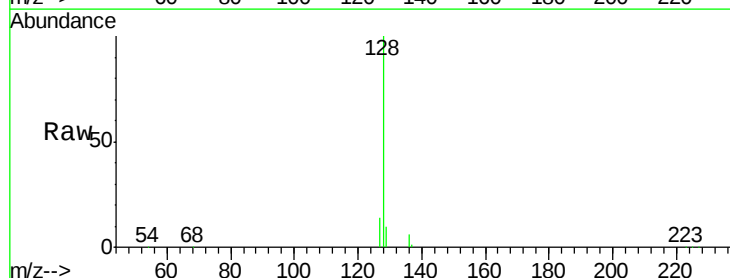
Tgt Ion: 128 Resp: 97696

Ion Ratio Lower Upper

128 100

129 10.0 8.5 12.7

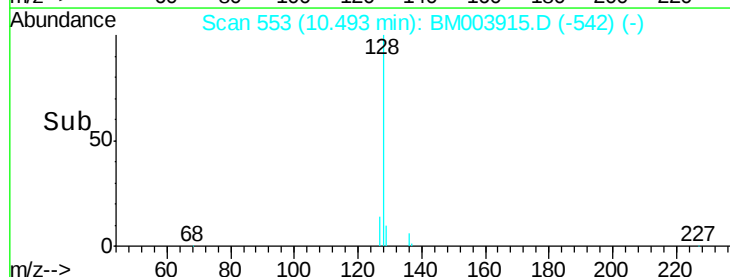
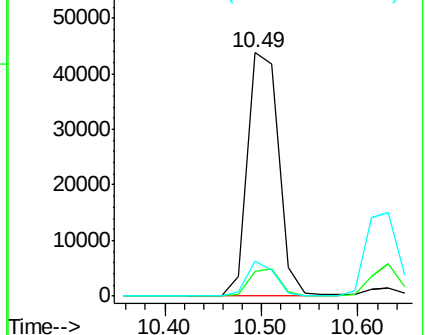
127 14.3 11.0 16.4

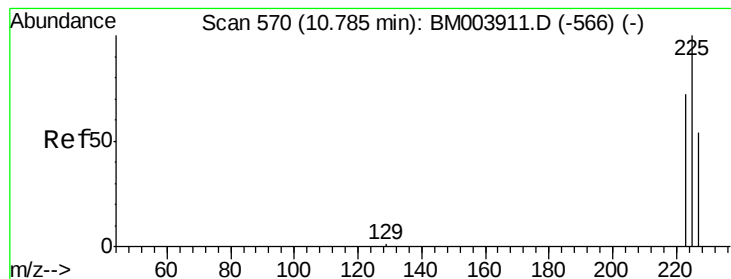


Abundance Ion 128.00 (127.70 to 128.70): BM003911.D (-545) (-)

Ion 129.00 (128.70 to 129.70): BM003911.D (-545) (-)

Ion 127.00 (126.70 to 127.70): BM003911.D (-545) (-)





#11

Hexachlorobutadiene

Concen: 0.97 ng

RT: 10.79 min Scan# 570

Delta R.T. 0.00 min

Lab File: BM003915.D

Acq: 31 Dec 2015 15:40

Instrument :

BNA_M

ClientSampleId :

ICVBM010216

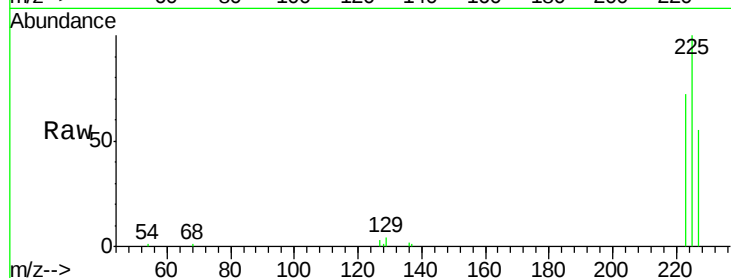
Tot Ion:225 Resp: 14816

Ion Ratio Lower Upper

225 100

223 63.3 50.9 76.3

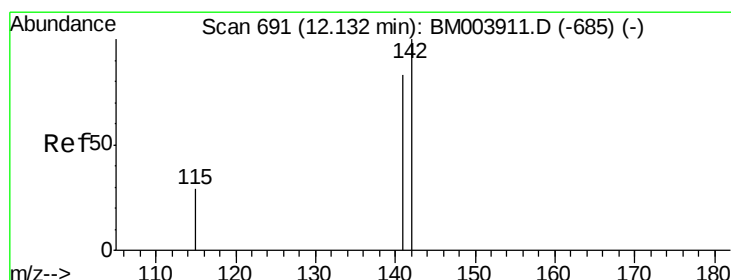
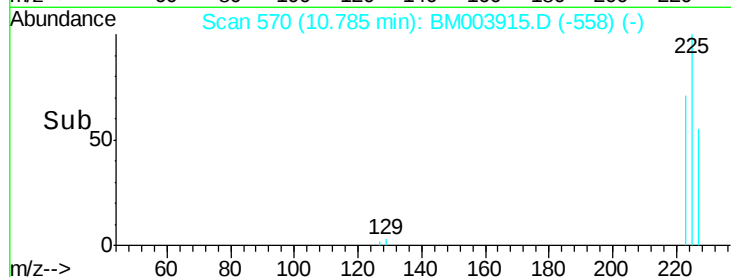
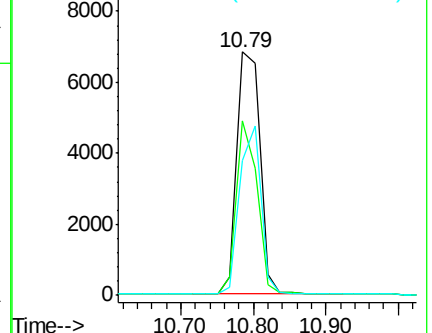
227 64.0 51.2 76.8



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: 0.99 ng

RT: 12.13 min Scan# 691

Delta R.T. 0.00 min

Lab File: BM003915.D

Acq: 31 Dec 2015 15:40

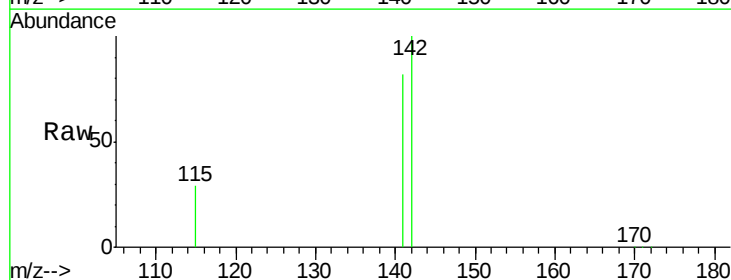
Tgt Ion:142 Resp: 67040

Ion Ratio Lower Upper

142 100

141 82.0 67.8 101.8

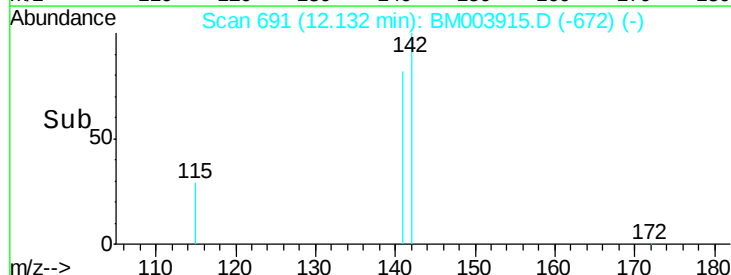
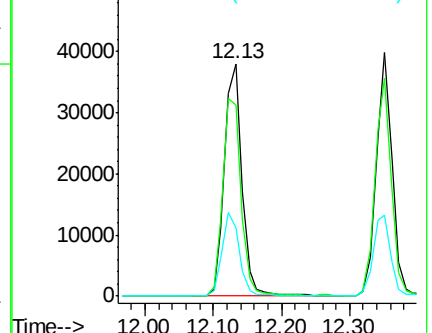
115 29.3 25.3 37.9

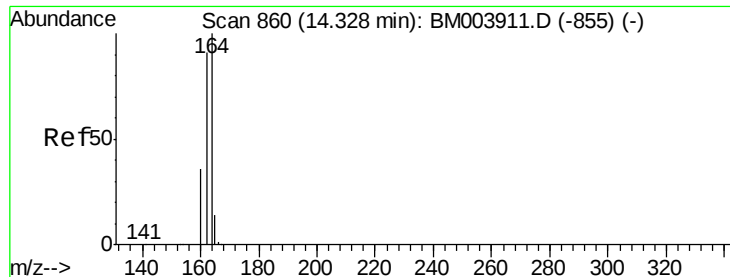


Abundance Ion 142.00 (141.70 to 142.70): E

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: 14.33 min Scan# 860

Delta R.T. 0.00 min

Lab File: BM003915.D

Acq: 31 Dec 2015 15:40

Instrument :

BNA_M

ClientSampleId :

ICVBM010216

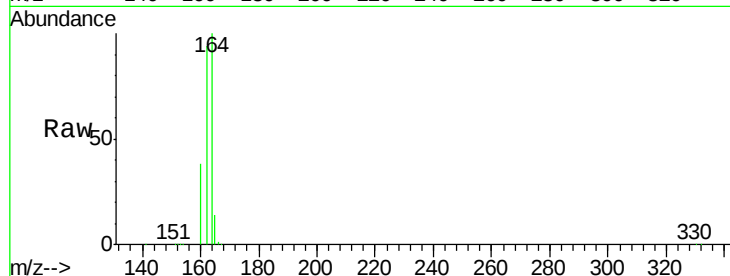
Tot Ion:164 Resp: 238936

Ion Ratio Lower Upper

164 100

162 93.9 86.0 129.0

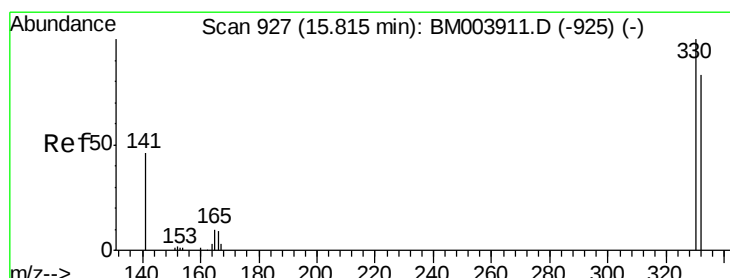
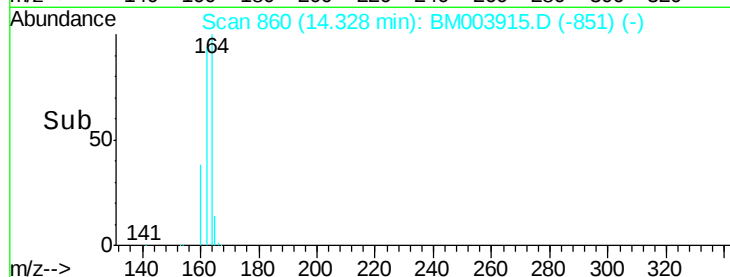
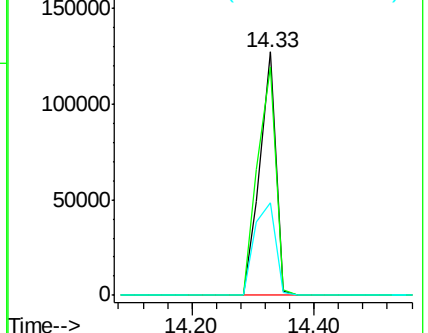
160 38.2 40.3 60.5#



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: 0.99 ng

RT: 15.82 min Scan# 927

Delta R.T. 0.00 min

Lab File: BM003915.D

Acq: 31 Dec 2015 15:40

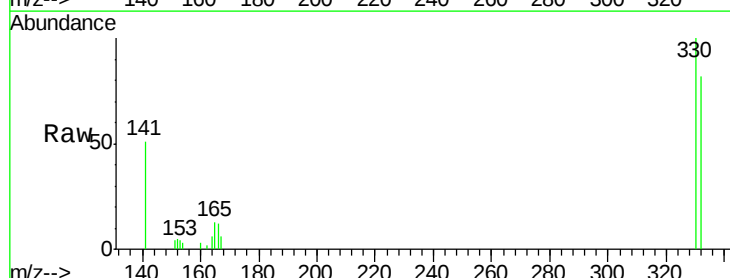
Tgt Ion:330 Resp: 5571

Ion Ratio Lower Upper

330 100

332 94.3 79.0 118.4

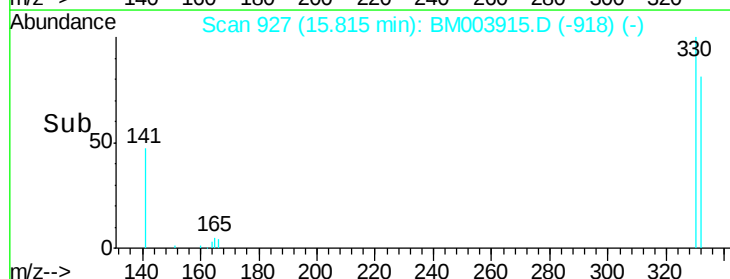
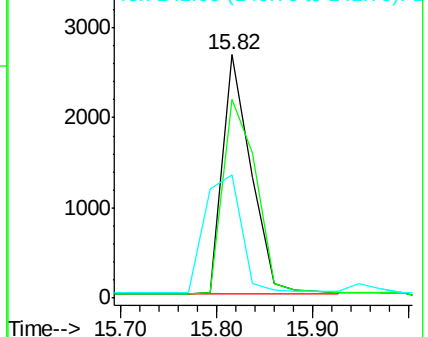
141 62.3 0.0 0.0#

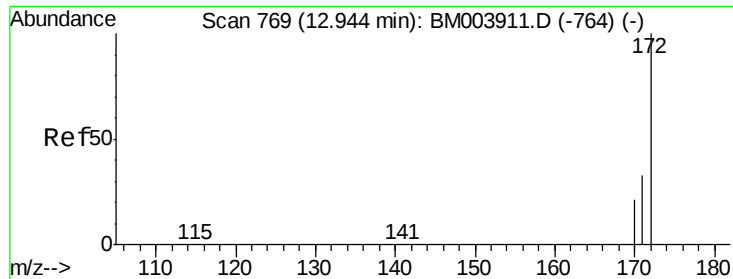


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

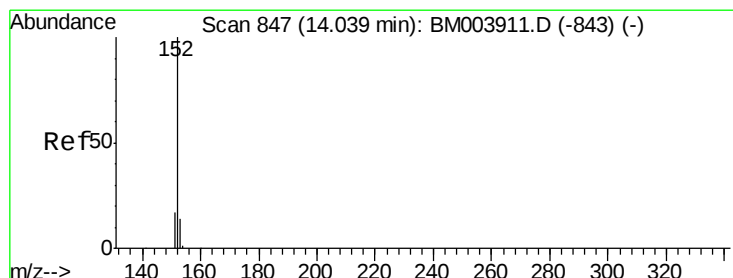
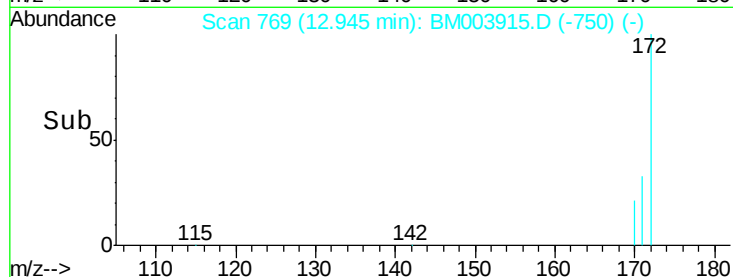
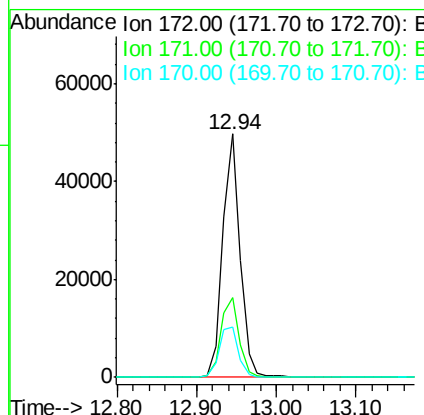
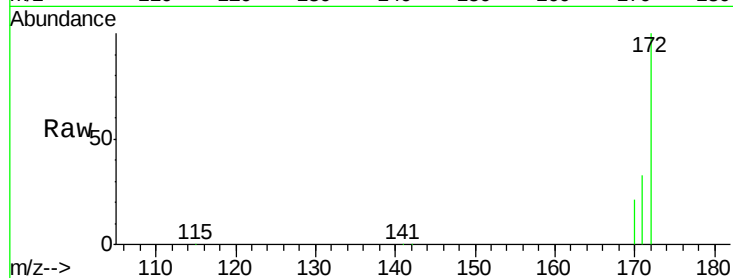




#15
2-Fluorobiphenyl
Concen: 0.97 ng
RT: 12.94 min Scan# 769
Delta R.T. 0.00 min
Lab File: BM003915.D
Acq: 31 Dec 2015 15:40

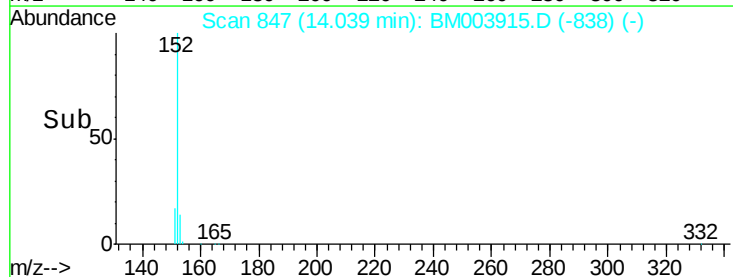
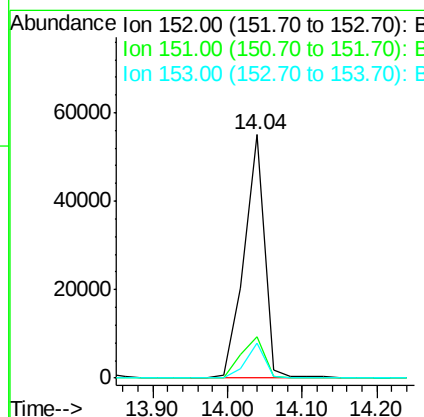
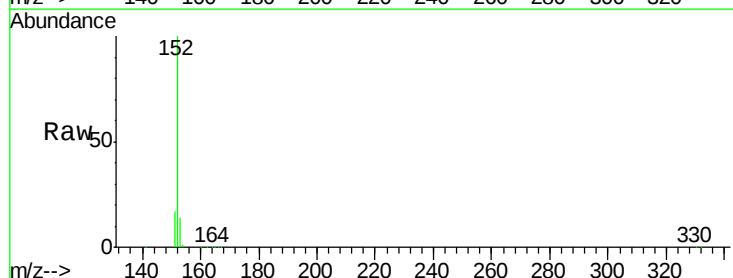
Instrument :
BNA_M
ClientSampleId :
ICVBM010216

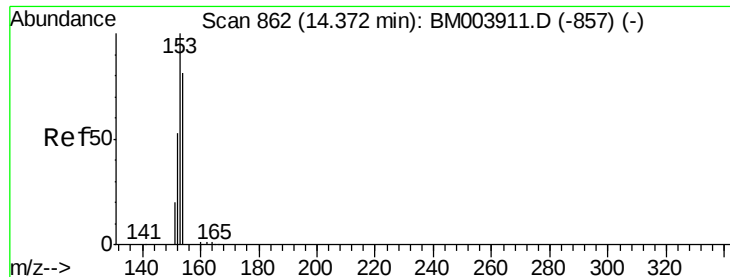
Tot Ion:172 Resp: 75037
Ion Ratio Lower Upper
172 100
171 33.0 27.0 40.6
170 20.9 17.9 26.9



#16
Acenaphthylene
Concen: 1.05 ng
RT: 14.04 min Scan# 847
Delta R.T. 0.00 min
Lab File: BM003915.D
Acq: 31 Dec 2015 15:40

Tgt Ion:152 Resp: 105073
Ion Ratio Lower Upper
152 100
151 19.0 15.8 23.8
153 13.2 10.2 15.4





#17

Acenaphthene

Concen: 0.94 ng

RT: 14.37 min Scan# 862

Delta R.T. 0.00 min

Lab File: BM003915.D

Acq: 31 Dec 2015 15:40

Instrument :

BNA_M

ClientSampleId :

ICVBM010216

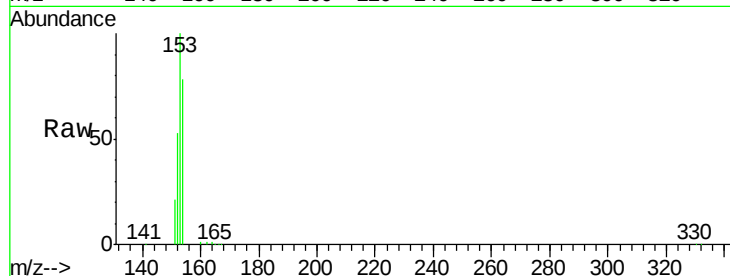
Tot Ion:154 Resp: 65744

Ion Ratio Lower Upper

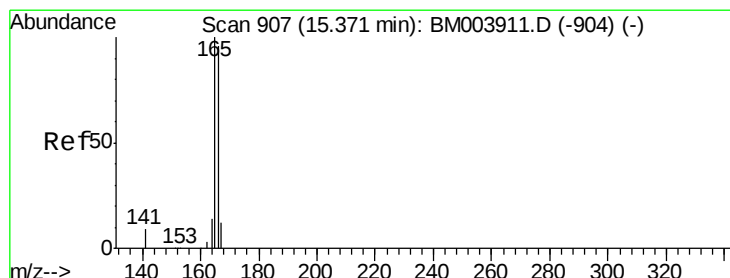
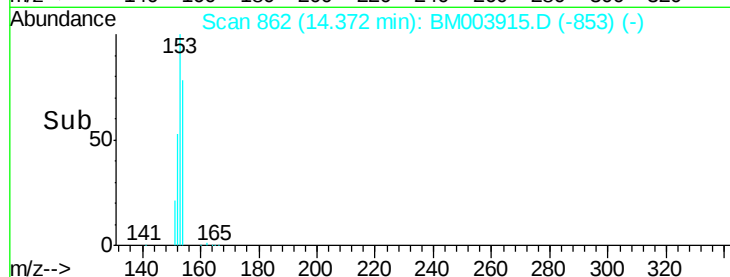
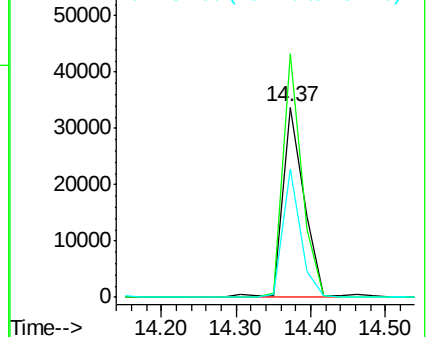
154 100

153 114.0 85.4 128.2

152 56.3 40.6 60.8



Abundance Ion 154.00 (153.70 to 154.70): E
Ion 153.00 (152.70 to 153.70): E
Ion 152.00 (151.70 to 152.70): E



#18

Fluorene

Concen: 1.00 ng

RT: 15.37 min Scan# 907

Delta R.T. 0.00 min

Lab File: BM003915.D

Acq: 31 Dec 2015 15:40

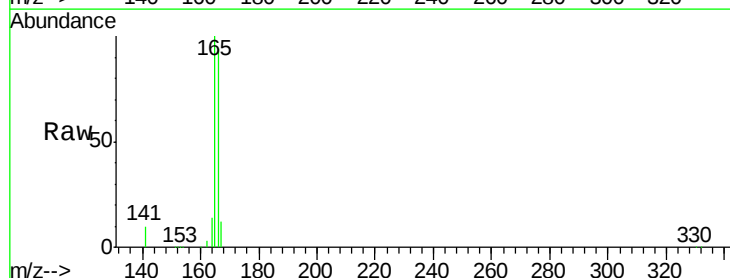
Tgt Ion:166 Resp: 82806

Ion Ratio Lower Upper

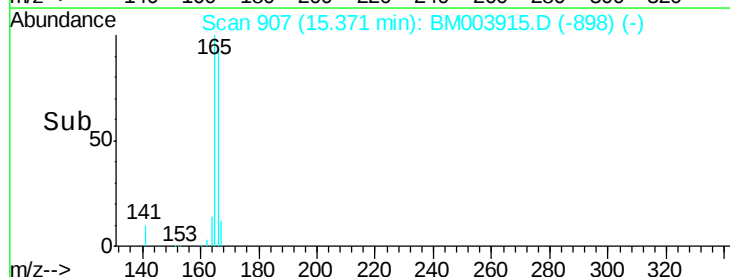
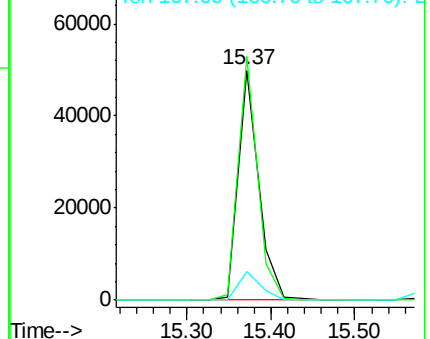
166 100

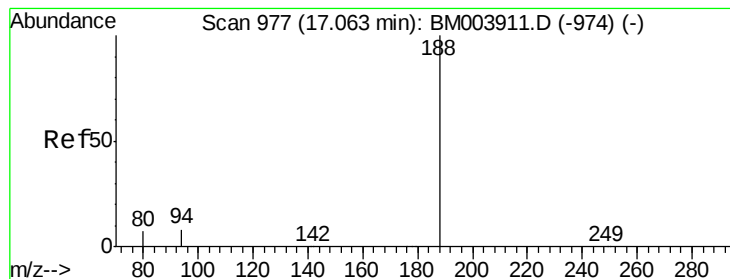
165 100.5 77.2 115.8

167 13.1 11.0 16.6



Abundance Ion 166.00 (165.70 to 166.70): E
Ion 165.00 (164.70 to 165.70): E
Ion 167.00 (166.70 to 167.70): E





#19

Phenanthrene-d10

Concen: 5.00 ng

RT: 17.06 min Scan# 977

Delta R.T. 0.00 min

Lab File: BM003915.D

Acq: 31 Dec 2015 15:40

Instrument :

BNA_M

ClientSampleId :

ICVBM010216

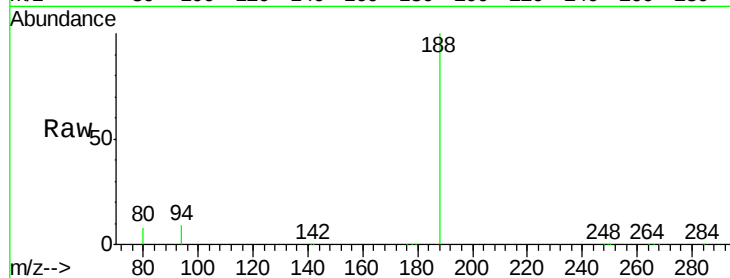
Tot Ion:188 Resp: 592575

Ion Ratio Lower Upper

188 100

94 9.1 20.3 30.5#

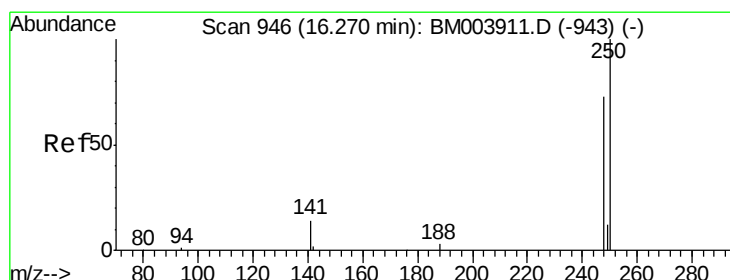
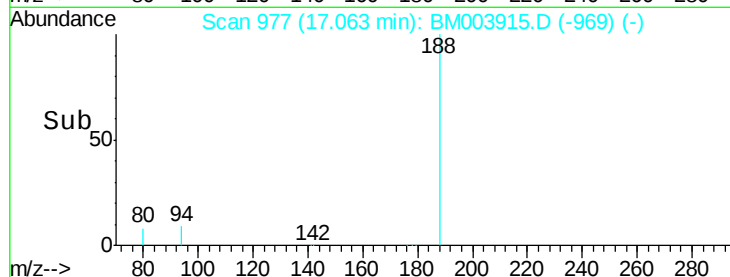
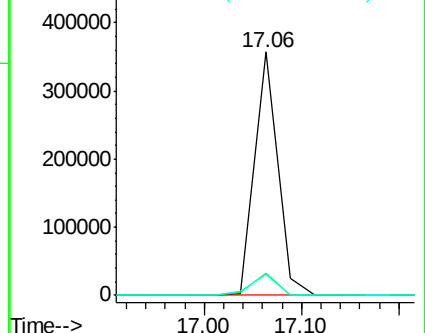
80 8.4 22.2 33.4#



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



#20

4-Bromophenyl-phenylether

Concen: 0.96 ng

RT: 16.27 min Scan# 946

Delta R.T. 0.00 min

Lab File: BM003915.D

Acq: 31 Dec 2015 15:40

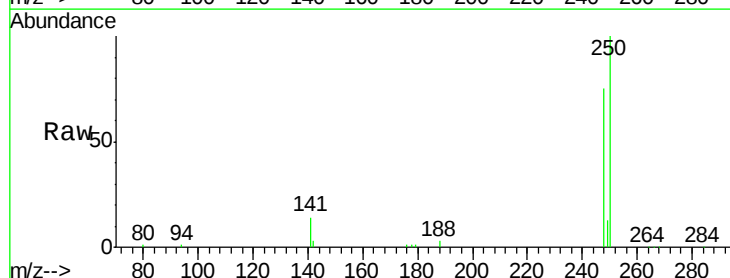
Tgt Ion:248 Resp: 17571

Ion Ratio Lower Upper

248 100

250 111.5 75.0 112.4

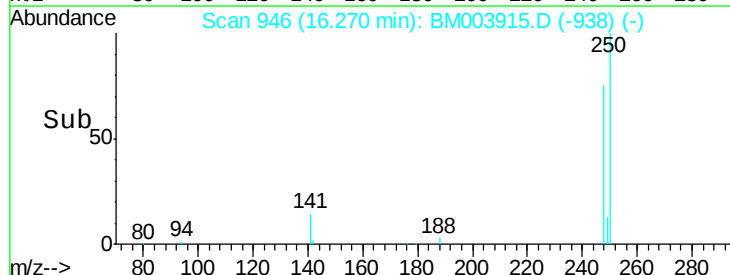
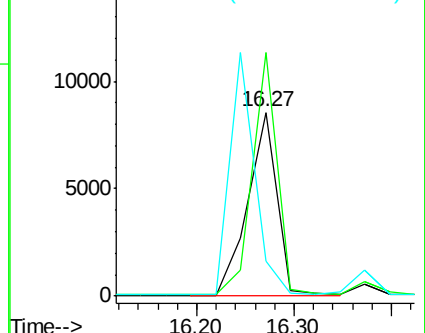
141 0.0 53.0 79.4#

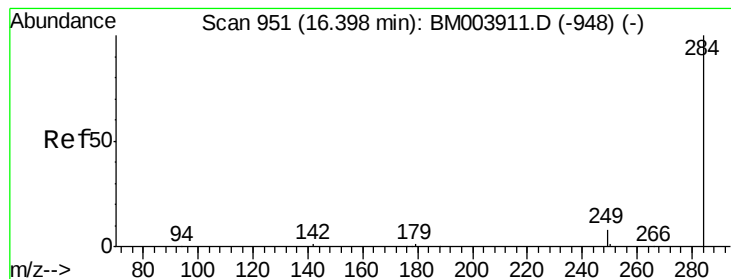


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E





#21

Hexachlorobenzene

Concen: 0.94 ng

RT: 16.40 min Scan# 951

Delta R.T. 0.00 min

Lab File: BM003915.D

Acq: 31 Dec 2015 15:40

Instrument :

BNA_M

ClientSampleId :

ICVBM010216

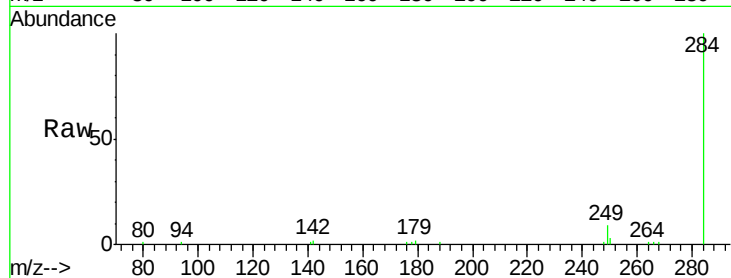
Tot Ion:284 Resp: 18287

Ion Ratio Lower Upper

284 100

142 0.0 0.0 0.0

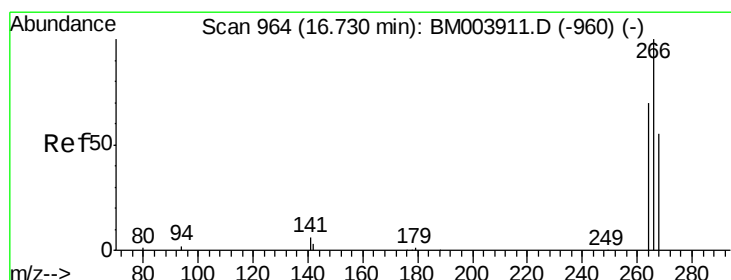
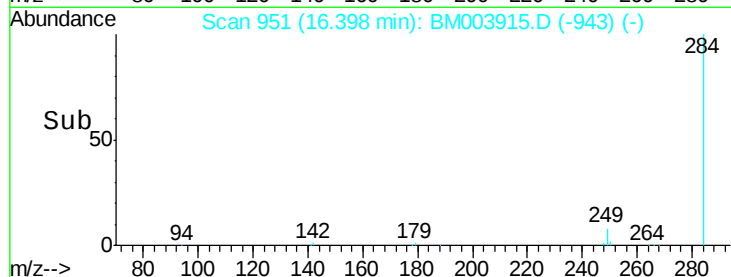
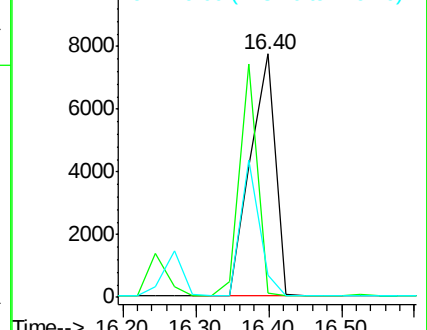
249 0.0 21.5 32.3#



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: 1.17 ng

RT: 16.73 min Scan# 964

Delta R.T. 0.00 min

Lab File: BM003915.D

Acq: 31 Dec 2015 15:40

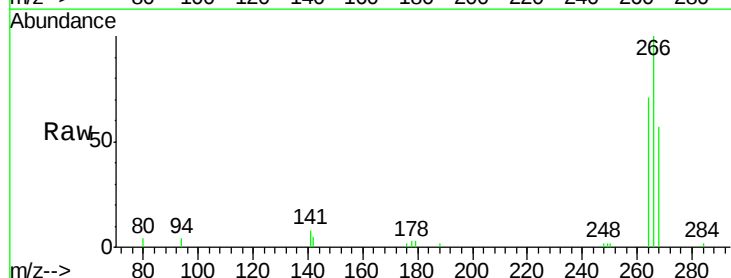
Tgt Ion:266 Resp: 5228

Ion Ratio Lower Upper

266 100

268 56.8 62.7 94.1#

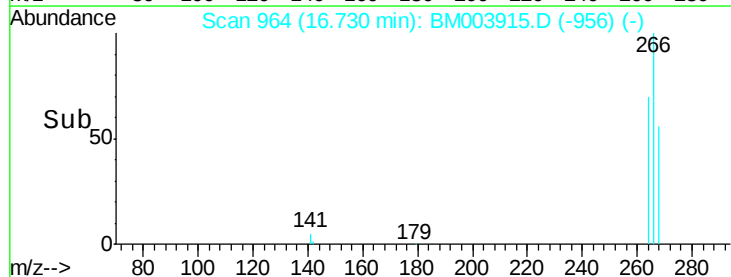
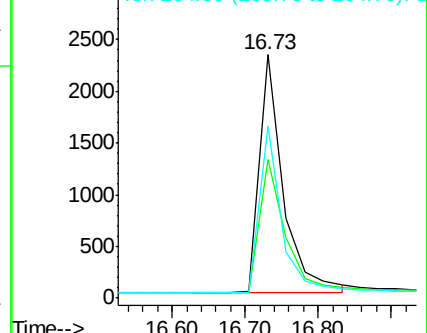
264 70.6 45.7 68.5#

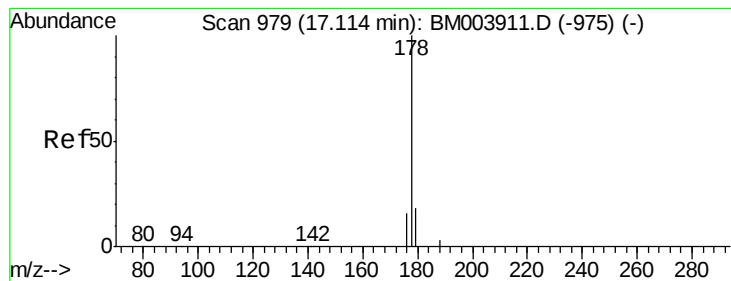


Abundance Ion 265.70 (265.40 to 266.40): E

Ion 268.00 (267.70 to 268.70): E

Ion 264.00 (263.70 to 264.70): E





#23

Phenanthrene

Concen: 1.06 ng

RT: 17.11 min Scan# 979

Delta R.T. 0.00 min

Lab File: BM003915.D

Acq: 31 Dec 2015 15:40

Instrument :

BNA_M

ClientSampleId :

ICVBM010216

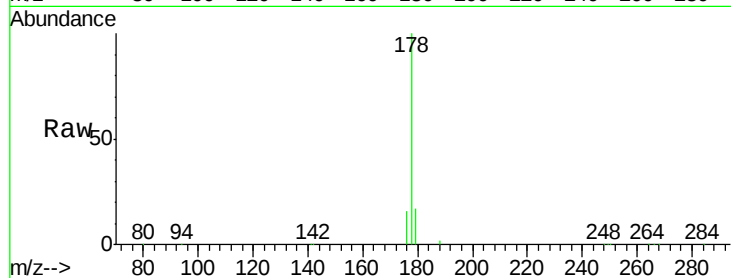
Tot Ion:178 Resp: 121285

Ion Ratio Lower Upper

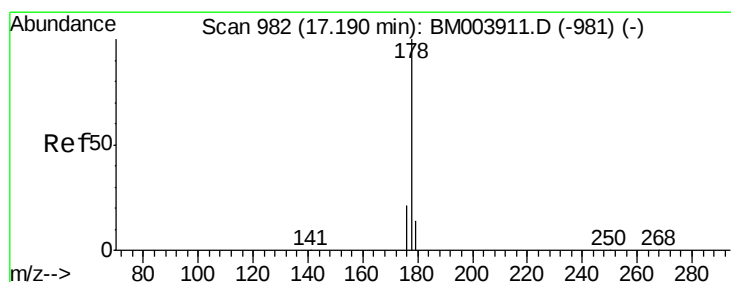
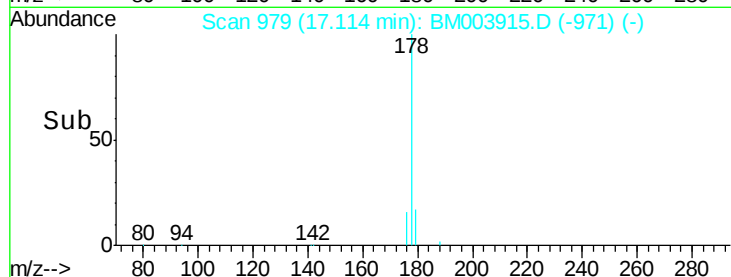
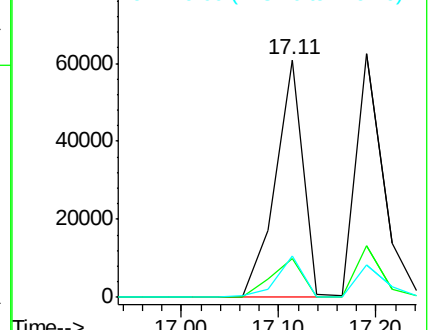
178 100

176 18.4 15.4 23.0

179 16.2 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



#24

Anthracene

Concen: 0.99 ng

RT: 17.19 min Scan# 982

Delta R.T. 0.00 min

Lab File: BM003915.D

Acq: 31 Dec 2015 15:40

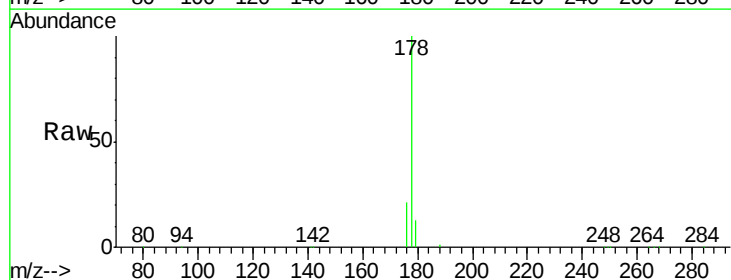
Tgt Ion:178 Resp: 118647

Ion Ratio Lower Upper

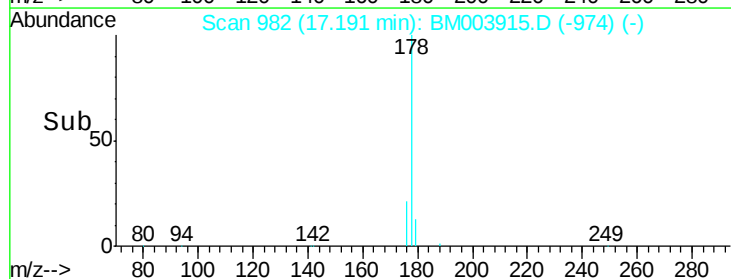
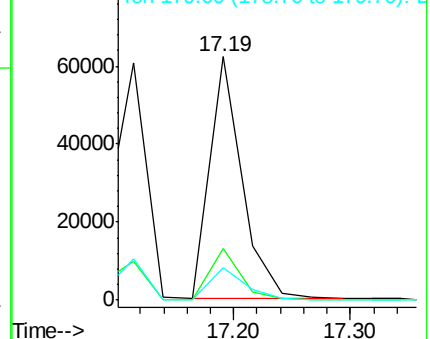
178 100

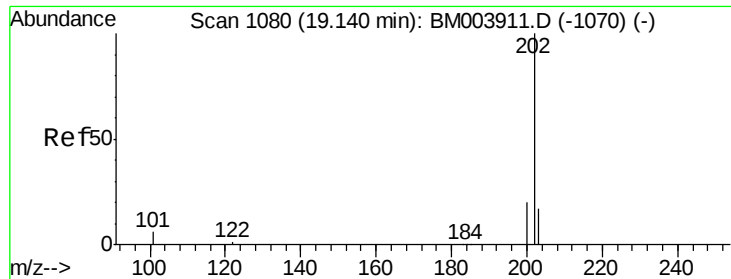
176 19.7 14.6 21.8

179 14.3 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

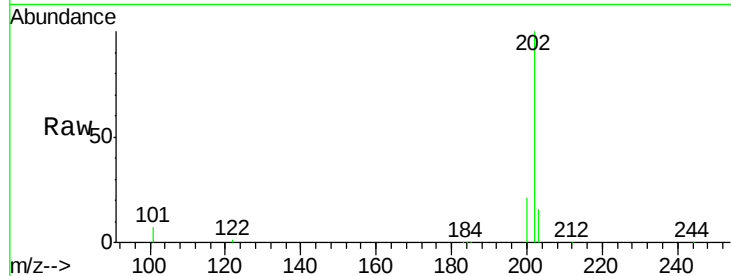




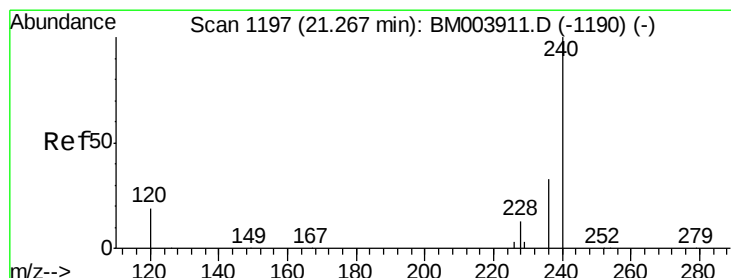
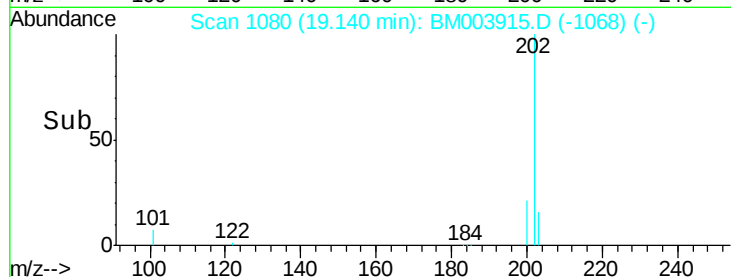
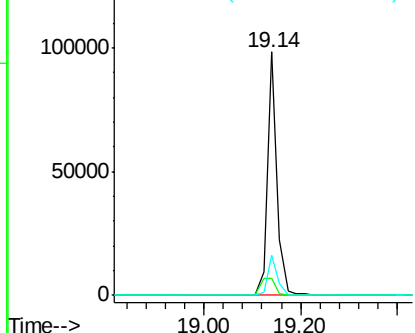
#25
Fluoranthene
Concen: 1.04 ng
RT: 19.14 min Scan# 1080
Delta R.T. 0.00 min
Lab File: BM003915.D
Acq: 31 Dec 2015 15:40

Instrument :
BNA_M
ClientSampleId :
ICVBM010216

Tot Ion:202 Resp: 137432
Ion Ratio Lower Upper
202 100
101 11.2 9.7 14.5
203 17.0 13.8 20.8

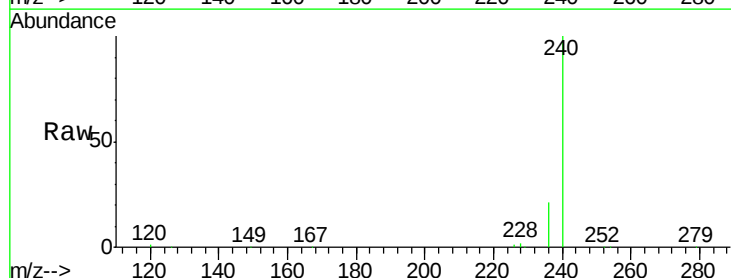


Abundance Ion 202.00 (201.70 to 202.70): E
Ion 101.00 (100.70 to 101.70): E
Ion 203.00 (202.70 to 203.70): E

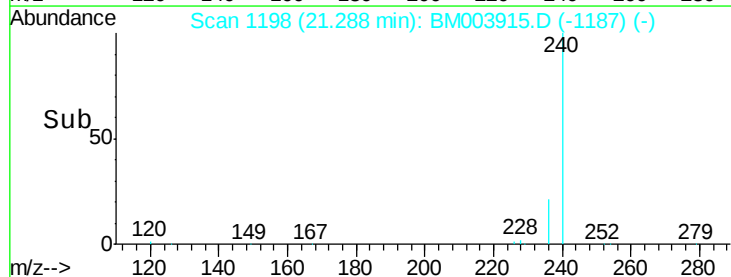
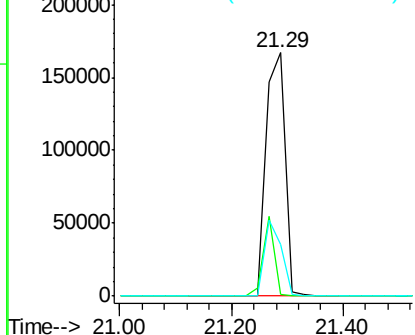


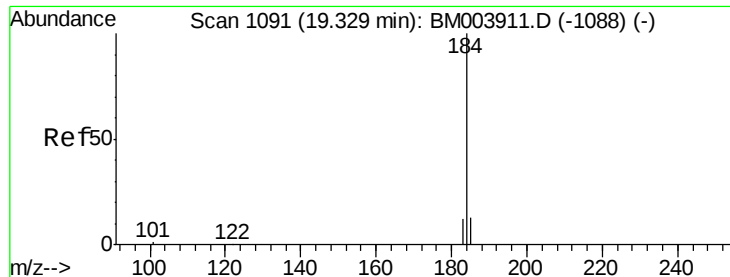
#26
Chrysene-d12
Concen: 5.00 ng
RT: 21.29 min Scan# 1198
Delta R.T. 0.02 min
Lab File: BM003915.D
Acq: 31 Dec 2015 15:40

Tgt Ion:240 Resp: 393220
Ion Ratio Lower Upper
240 100
120 0.9 0.9 1.3
236 21.4 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: 1.16 ng

RT: 19.33 min Scan# 1091

Delta R.T. 0.00 min

Lab File: BM003915.D

Acq: 31 Dec 2015 15:40

Instrument :

BNA_M

ClientSampleId :

ICVBM010216

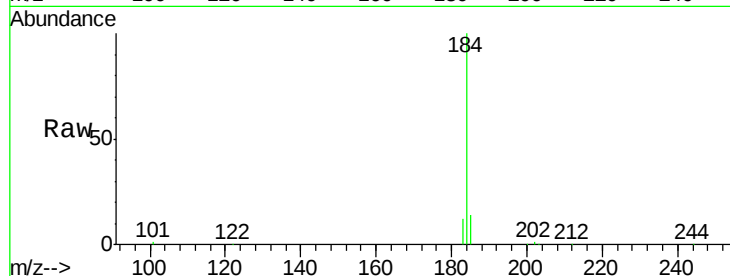
Tot Ion:184 Resp: 35471

Ion Ratio Lower Upper

184 100

185 13.7 13.2 19.8

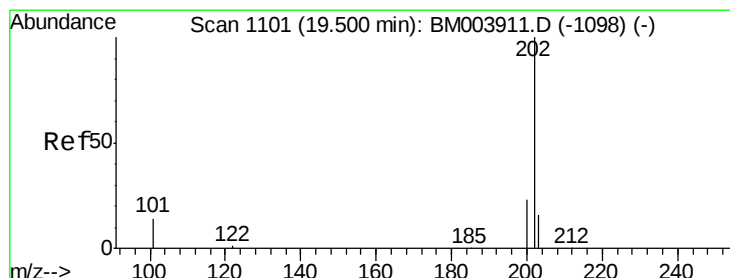
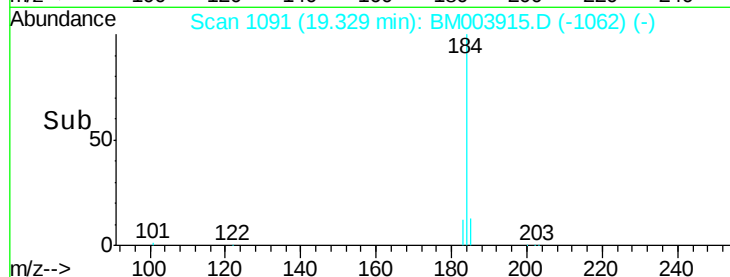
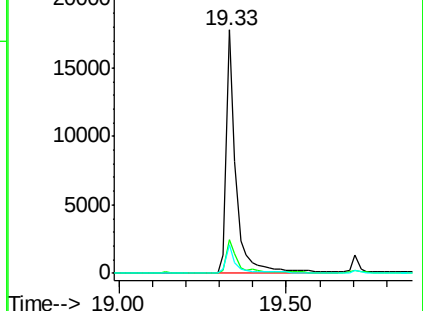
183 11.8 9.0 13.6



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: 0.99 ng

RT: 19.50 min Scan# 1101

Delta R.T. 0.00 min

Lab File: BM003915.D

Acq: 31 Dec 2015 15:40

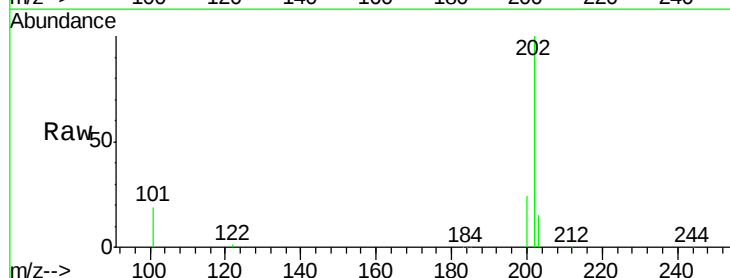
Tgt Ion:202 Resp: 139696

Ion Ratio Lower Upper

202 100

200 21.1 16.6 24.8

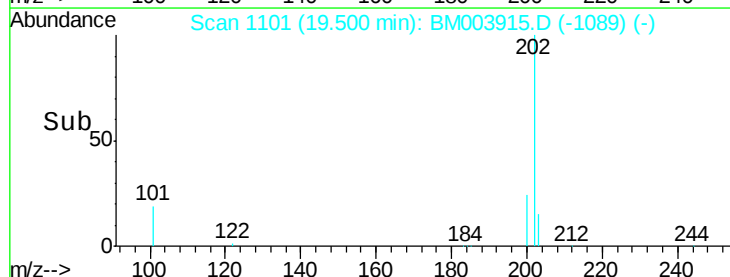
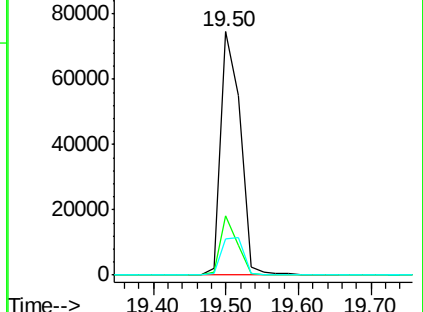
203 17.3 14.0 21.0

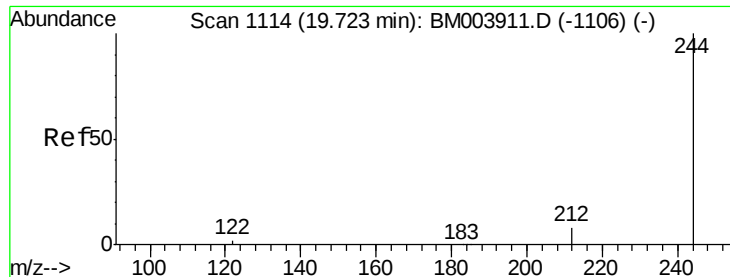


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#29

Terphenyl-d14

Concen: 1.00 ng

RT: 19.72 min Scan# 1114

Delta R.T. 0.00 min

Lab File: BM003915.D

Acq: 31 Dec 2015 15:40

Instrument :

BNA_M

ClientSampleId :

ICVBM010216

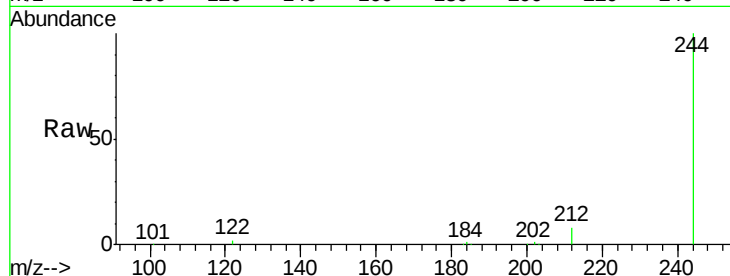
Tot Ion:244 Resp: 63859

Ion Ratio Lower Upper

244 100

212 7.9 7.0 10.6

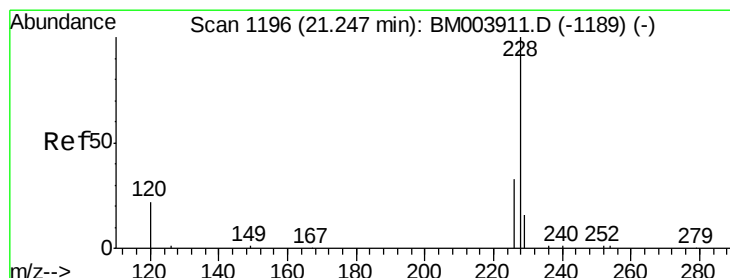
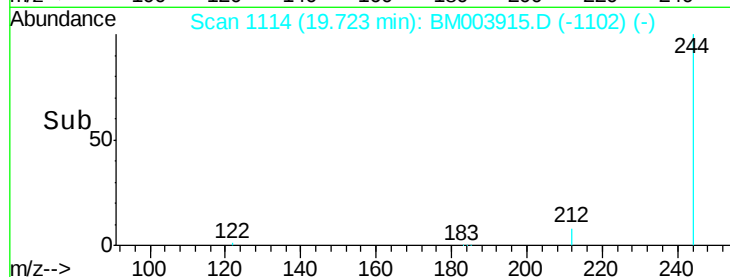
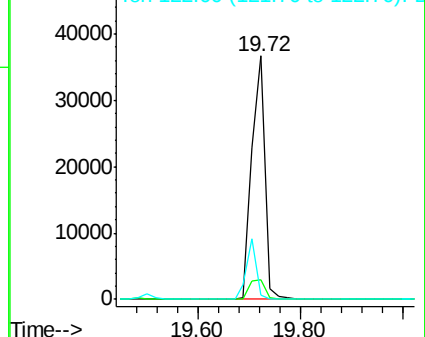
122 1.9 3.0 4.6#



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: 0.97 ng

RT: 21.27 min Scan# 1197

Delta R.T. 0.02 min

Lab File: BM003915.D

Acq: 31 Dec 2015 15:40

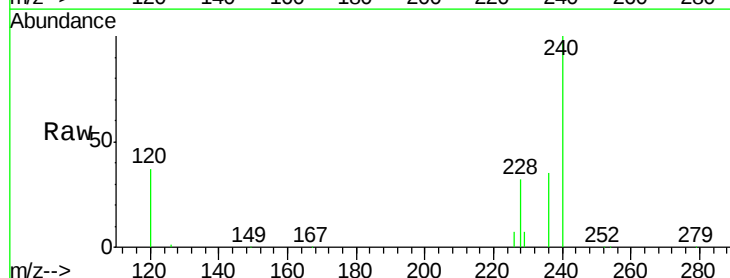
Tgt Ion:228 Resp: 107889

Ion Ratio Lower Upper

228 100

226 21.4 17.2 25.8

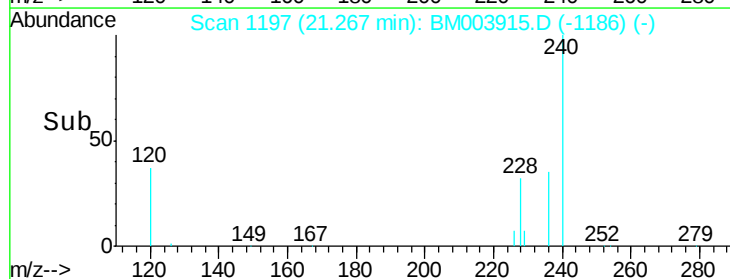
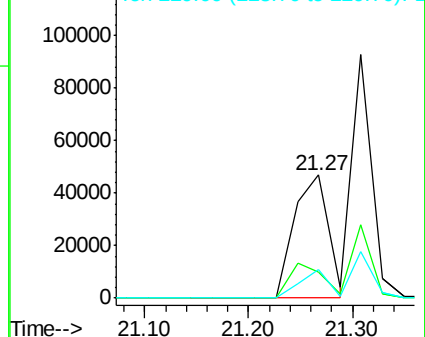
229 23.5 18.7 28.1

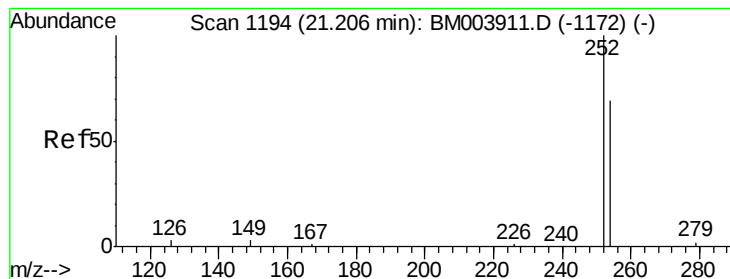


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#31

3,3'-Dichlorobenzidine

Concen: 1.14 ng

RT: 21.21 min Scan# 1194

Delta R.T. 0.00 min

Lab File: BM003915.D

Acq: 31 Dec 2015 15:40

Instrument :

BNA_M

ClientSampleId :

ICVBM010216

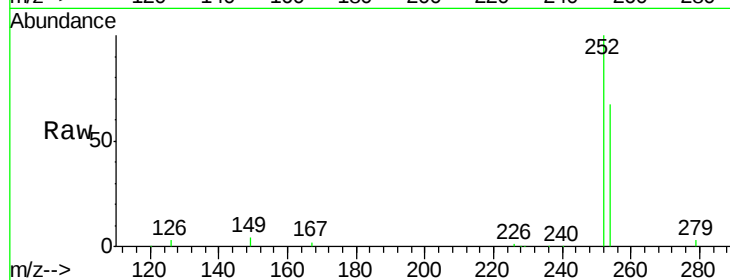
Tot Ion:252 Resp: 33151

Ion Ratio Lower Upper

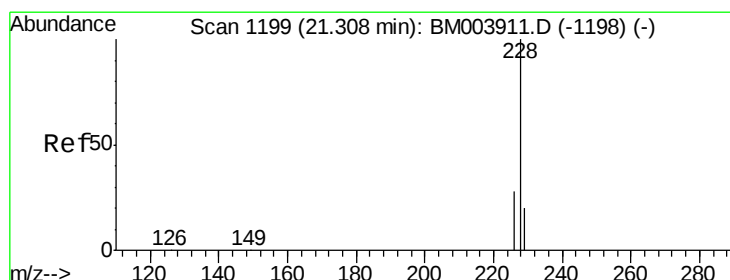
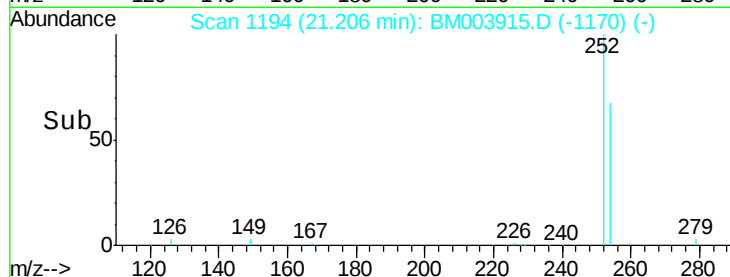
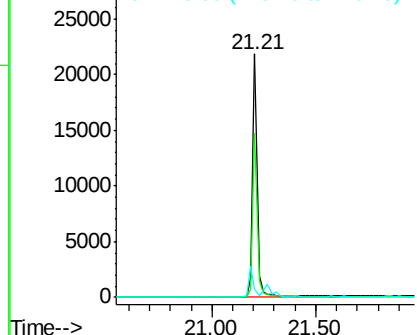
252 100

254 67.5 52.6 79.0

126 3.5 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: 1.08 ng

RT: 21.31 min Scan# 1199

Delta R.T. 0.00 min

Lab File: BM003915.D

Acq: 31 Dec 2015 15:40

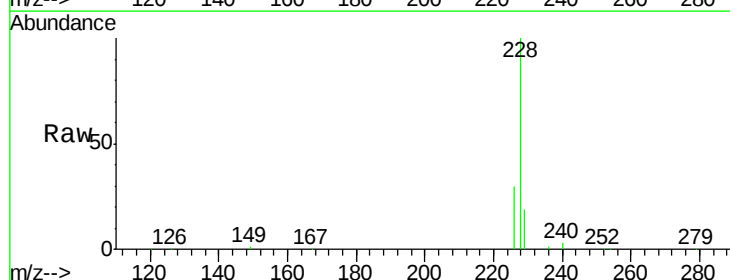
Tgt Ion:228 Resp: 124768

Ion Ratio Lower Upper

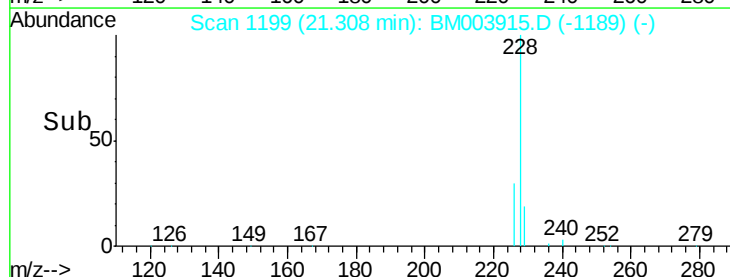
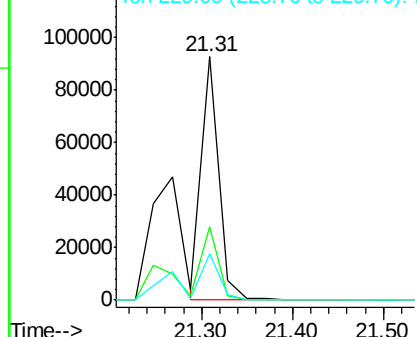
228 100

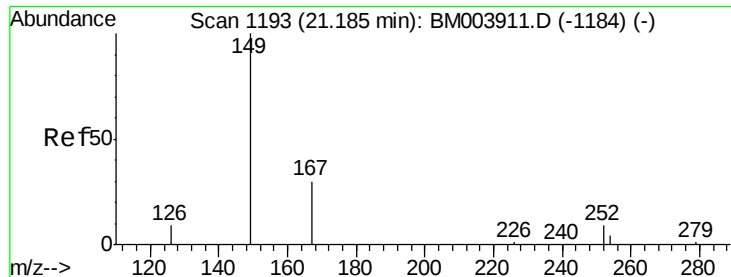
226 30.1 25.3 37.9

229 18.8 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: 1.13 ng

RT: 21.19 min Scan# 1193

Delta R.T. 0.00 min

Lab File: BM003915.D

Acq: 31 Dec 2015 15:40

Instrument :

BNA_M

ClientSampleId :

ICVBM010216

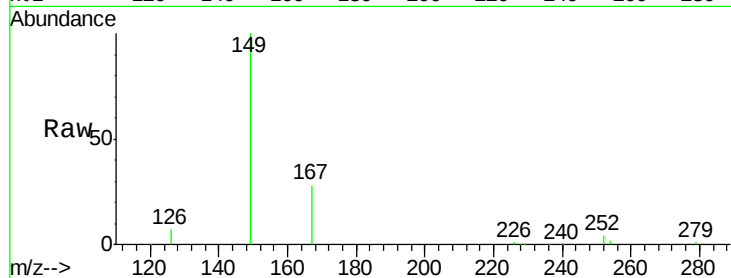
Tot Ion:149 Resp: 56643

Ion Ratio Lower Upper

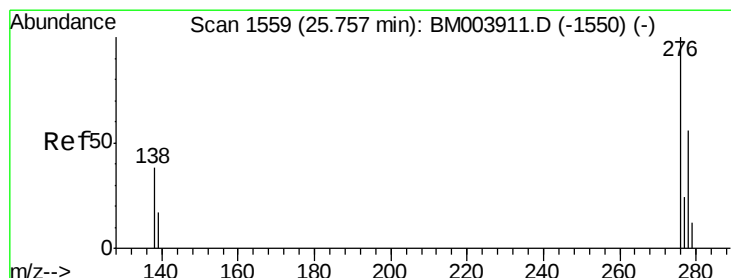
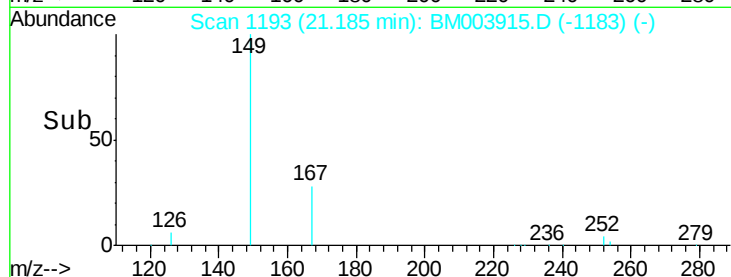
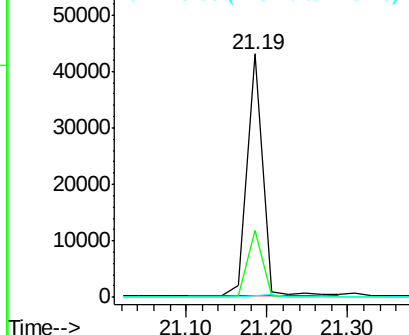
149 100

167 26.9 20.1 30.1

279 0.0 0.0 0.0



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: 1.00 ng

RT: 25.77 min Scan# 1561

Delta R.T. 0.01 min

Lab File: BM003915.D

Acq: 31 Dec 2015 15:40

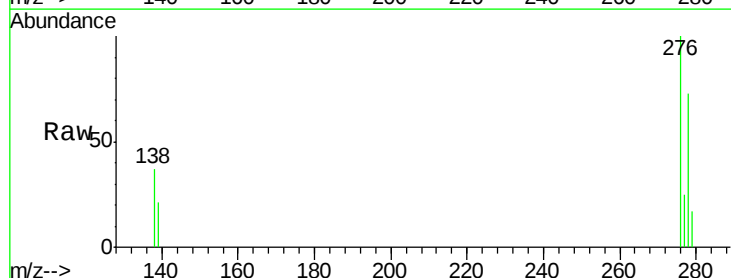
Tgt Ion:276 Resp: 83020

Ion Ratio Lower Upper

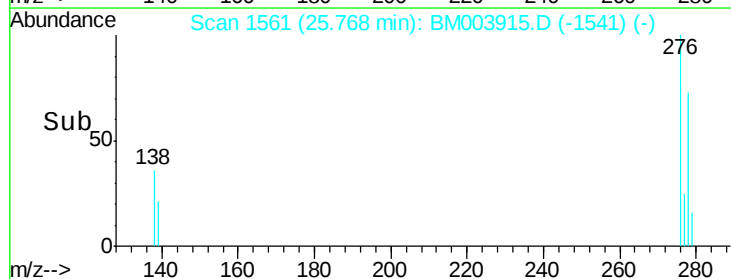
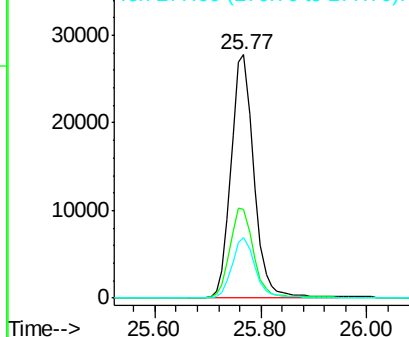
276 100

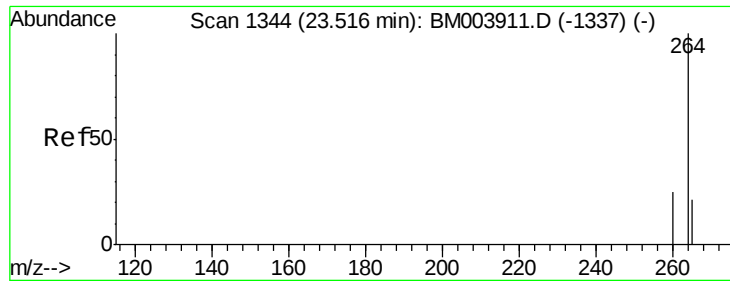
138 37.8 30.2 45.2

277 24.7 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

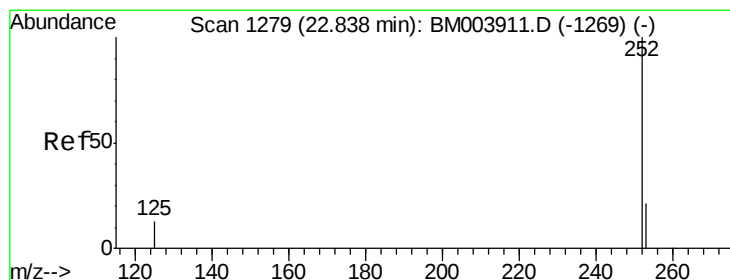
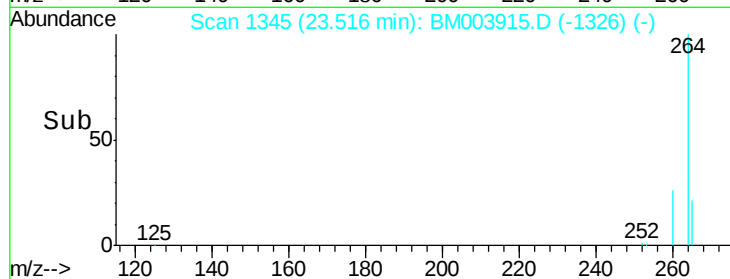
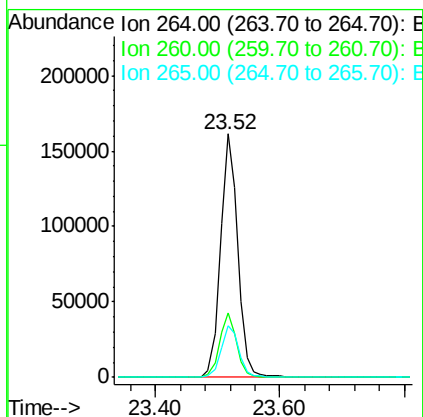
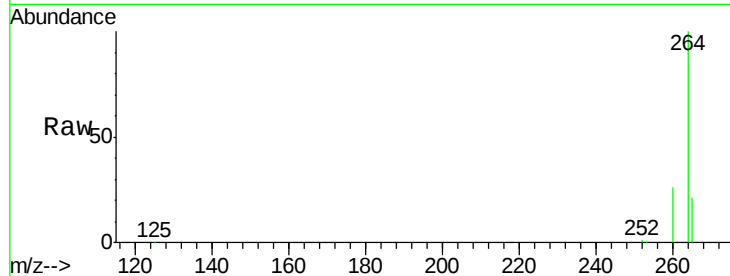




#35
 Pervlene-d12
 Concen: 5.00 ng
 RT: 23.52 min Scan# 1345
 Delta R.T. 0.00 min
 Lab File: BM003915.D
 Acq: 31 Dec 2015 15:40

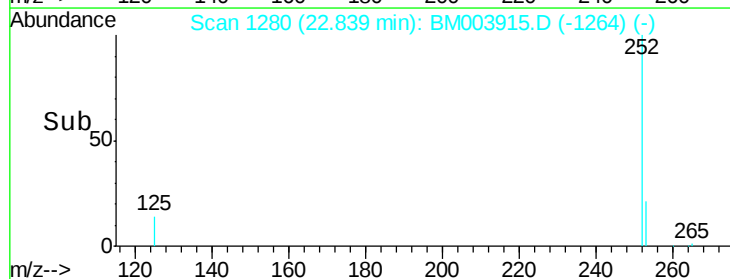
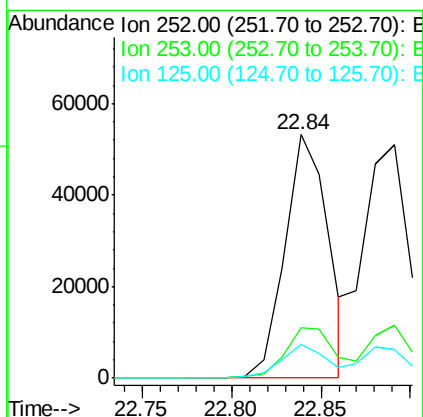
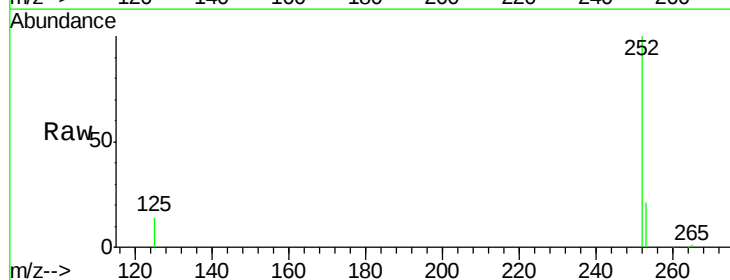
Instrument :
 BNA_M
 ClientSampleId :
 ICVBM010216

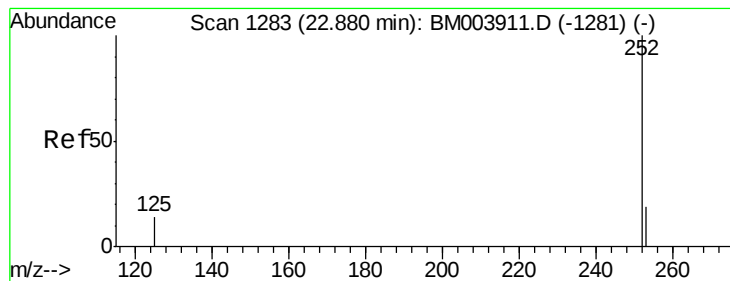
Tot Ion:264 Resp: 310565
 Ion Ratio Lower Upper
 264 100
 260 26.4 21.2 31.8
 265 21.1 16.7 25.1



#36
 Benzo(b)fluoranthene
 Concen: 0.94 ng
 RT: 22.84 min Scan# 1280
 Delta R.T. 0.00 min
 Lab File: BM003915.D
 Acq: 31 Dec 2015 15:40

Tgt Ion:252 Resp: 89354
 Ion Ratio Lower Upper
 252 100
 253 20.8 18.8 28.2
 125 14.0 10.2 15.4





#37

Benzo(k)fluoranthene

Concen: 1.01 ng

RT: 22.89 min Scan# 1285

Delta R.T. 0.01 min

Lab File: BM003915.D

Acq: 31 Dec 2015 15:40

Instrument :

BNA_M

ClientSampleId :

ICVBM010216

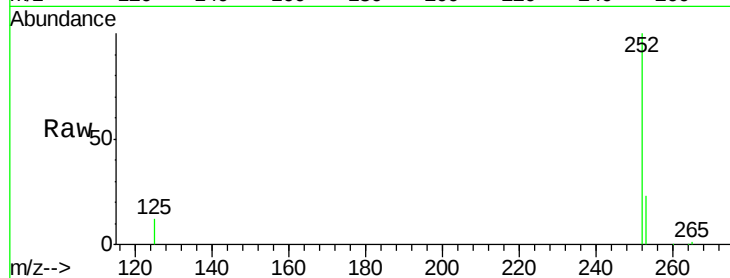
Tot Ion:252 Resp: 92462

Ion Ratio Lower Upper

252 100

253 22.9 18.3 27.5

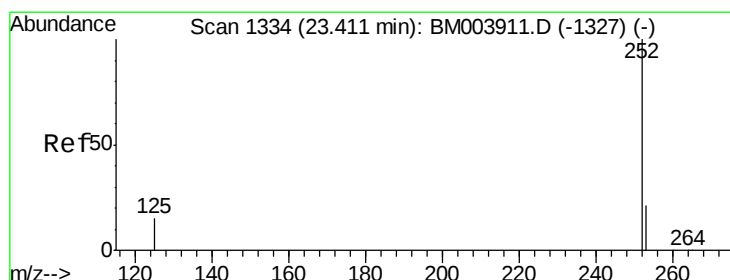
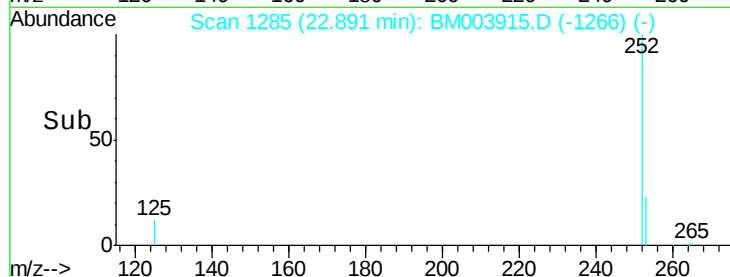
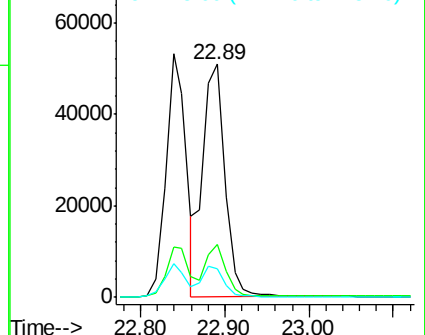
125 12.4 10.6 15.8



Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#38

Benzo(a)pyrene

Concen: 0.98 ng

RT: 23.41 min Scan# 1335

Delta R.T. 0.00 min

Lab File: BM003915.D

Acq: 31 Dec 2015 15:40

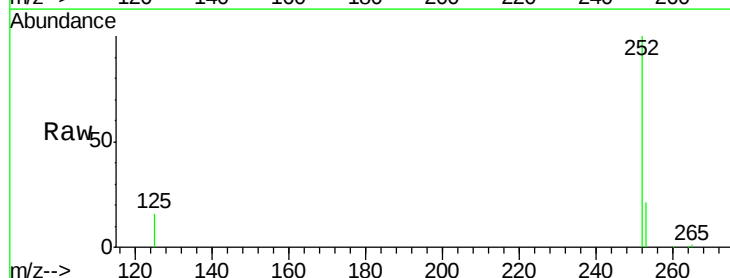
Tgt Ion:252 Resp: 79060

Ion Ratio Lower Upper

252 100

253 21.0 18.7 28.1

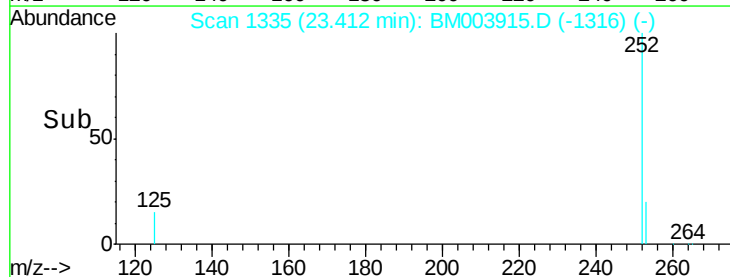
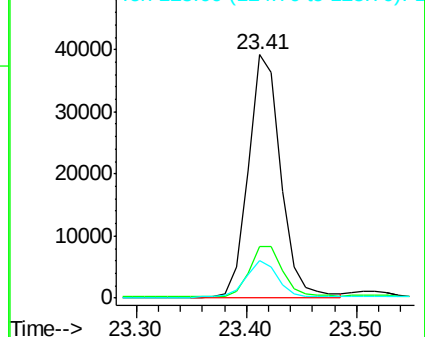
125 15.6 11.8 17.8

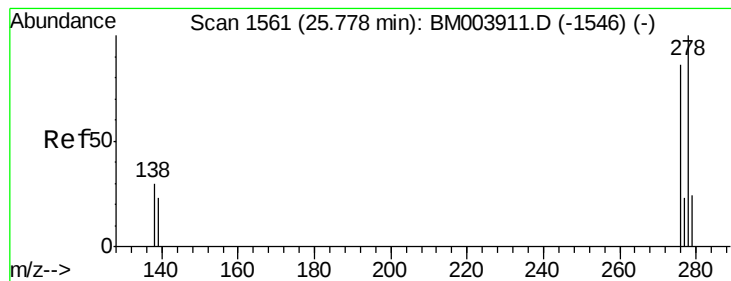


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#39

Dibenzo(a,h)anthracene

Concen: 0.96 ng

RT: 25.78 min Scan# 1562

Delta R.T. 0.00 min

Lab File: BM003915.D

Acq: 31 Dec 2015 15:40

Instrument :

BNA_M

ClientSampleId :

ICVBM010216

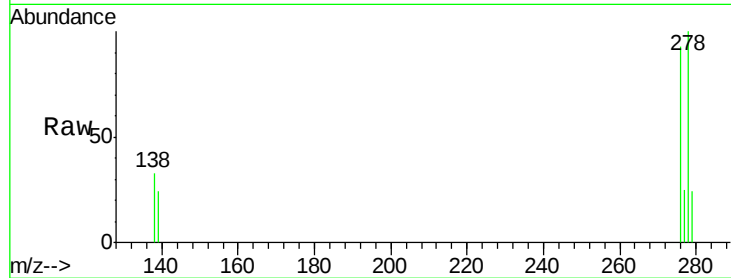
Tot Ion:278 Resp: 66045

Ion Ratio Lower Upper

278 100

139 23.7 19.0 28.6

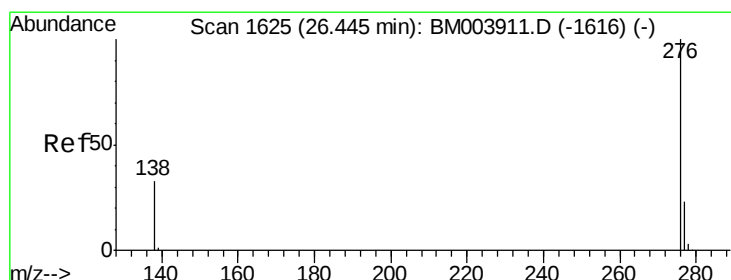
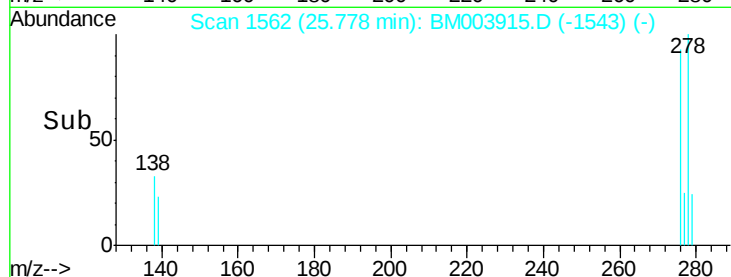
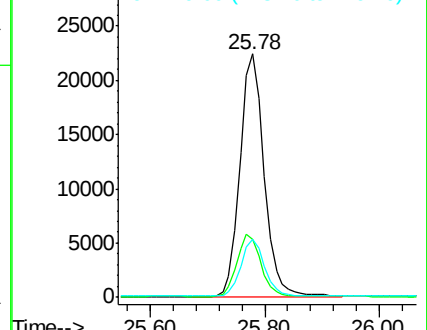
279 24.0 19.6 29.4



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: 0.93 ng

RT: 26.46 min Scan# 1627

Delta R.T. 0.01 min

Lab File: BM003915.D

Acq: 31 Dec 2015 15:40

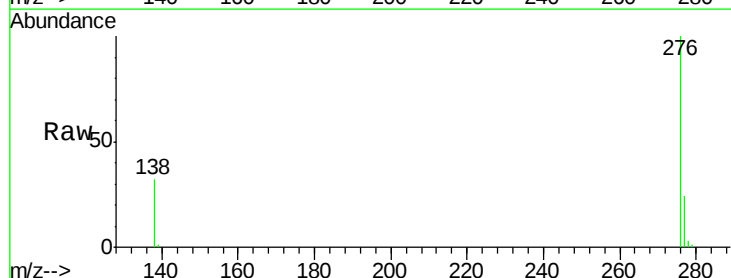
Tgt Ion:276 Resp: 68227

Ion Ratio Lower Upper

276 100

277 23.7 19.1 28.7

138 31.7 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

