

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM102215\
 Data File : BM002961.D
 Acq On : 21 Oct 2015 23:25
 Operator : UM/IZ
 Sample : G4075-04
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 JG9J6

Quant Time: Oct 22 12:04:48 2015
 Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-SIM-BM102215.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Oct 21 16:23:48 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.64	152	8868	0.40	ng/ul	-0.02
4) Naphthalene-d8	11.49	136	38514	0.40	ng/ul	-0.01
8) Acenaphthene-d10	15.23	164	21160	0.40	ng/ul	0.00
12) Phenanthrene-d10	18.03	188	2029687	0.40	ng/ul	0.08
18) Chrysene-d12	22.03	240	31337	0.40	ng/ul	-0.01
22) Perylene-d12	24.60	264	29185	0.40	ng/ul	-0.02

System Monitoring Compounds						
2) 1,4-Dioxane-d8	3.71	96	29776	3.14	ng/uL	0.00
6) 2-Methylnaphthalene-d10	13.04	152	14474	0.22	ng/ul	-0.01
16) Fluoranthene-d10	19.93	212	24664	0.00	ng/ul	0.00

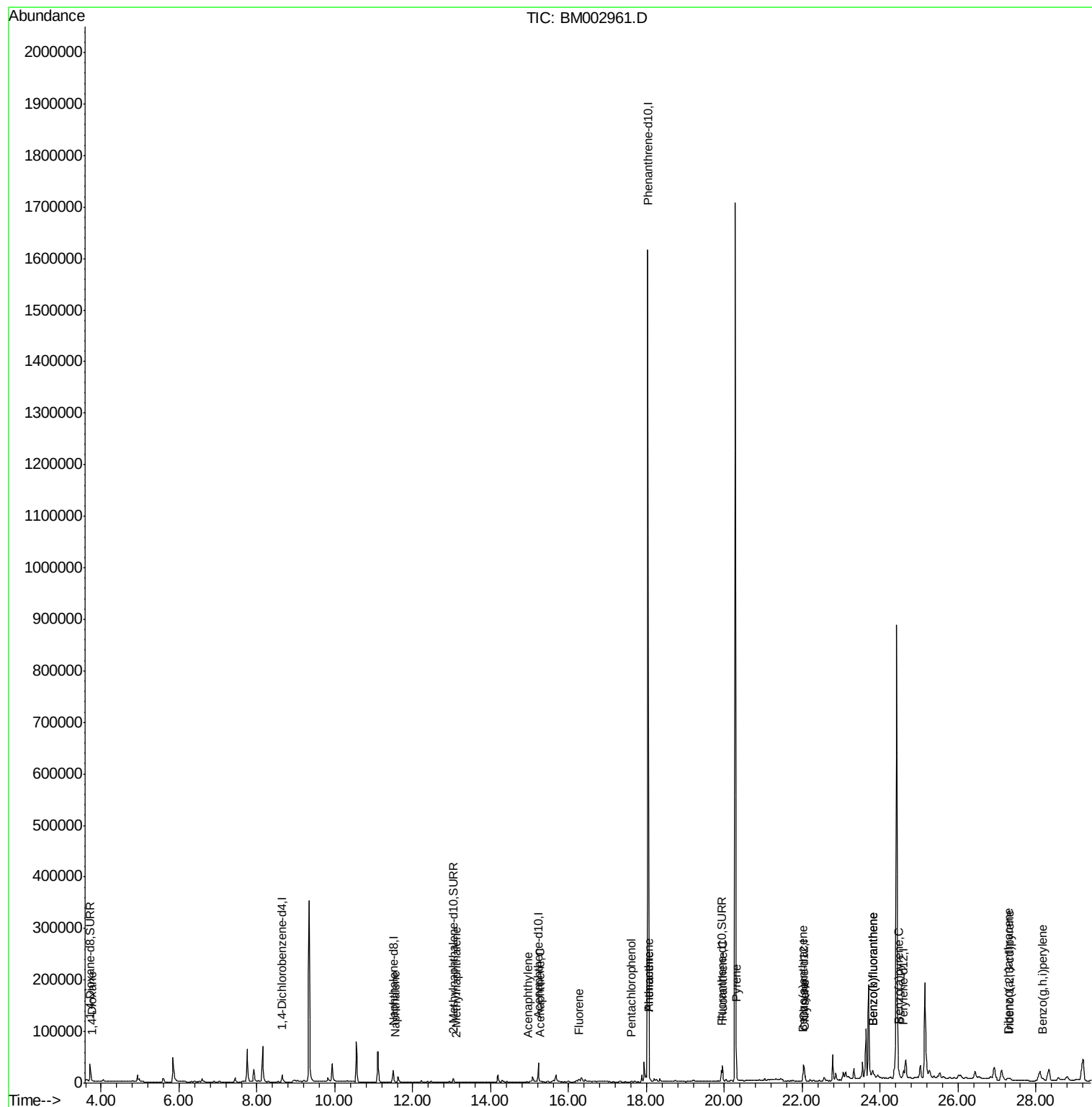
Target Compounds				Qvalue		
3) 1,4-Dioxane	3.76	88	353	0.03	ng/ul#	1
5) Naphthalene	11.54	128	1120	0.01	ng/ul#	58
7) 2-Methylnaphthalene	13.11	142	614	0.01	ng/ul#	72
9) Acenaphthylene	14.96	152	833	0.01	ng/ul#	53
10) Acenaphthene	15.28	153	694	0.01	ng/ul#	42
11) Fluorene	16.27	166	9256	0.10	ng/ul#	56
13) Pentachlorophenol	17.61	266	1163	0.01	ng/ul	98
14) Phenanthrene	18.06	178	1365	0.00	ng/ul#	1
15) Anthracene	18.06	178	1331	0.00	ng/ul#	1
17) Fluoranthene	19.95	202	28881	0.00	ng/ul	92
19) Pyrene	20.30	202	28007	0.25	ng/ul#	95
20) Benzo(a)anthracene	22.01	228	9519	0.09	ng/ul#	84
21) Chrysene	22.07	228	12203	0.12	ng/ul#	88
23) Benzo(b)fluoranthene	23.81	252	19874	0.19	ng/ul#	1
24) Benzo(k)fluoranthene	23.81	252	19874	0.20	ng/ul#	1
25) Benzo(a)pyrene	24.47	252	8217	0.08	ng/ul#	1
26) Indeno(1,2,3-cd)pyrene	27.33	276	6998	0.07	ng/ul#	62
27) Dibenzo(a,h)anthracene	27.29	278	2034	0.02	ng/ul#	1
28) Benzo(g,h,i)perylene	28.18	276	7826	0.09	ng/ul#	1

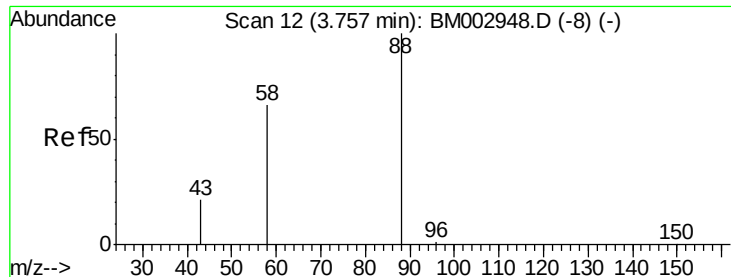
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

1,4-Dioxane

Concen: 0.03 ng/ul

RT: 3.76 min Scan# 12

Delta R.T. -0.00 min

Lab File: BM002961.D

Acq: 21 Oct 2015 23:25

Instrument :

BNA_M

ClientSampled :

JG9J6

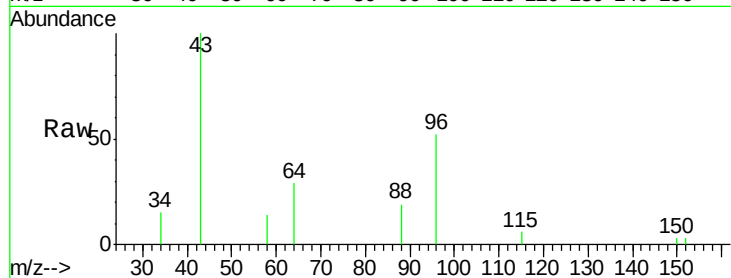
Tgt Ion: 88 Resp: 353

Ion Ratio Lower Upper

88 100

58 0.0 55.4 83.2#

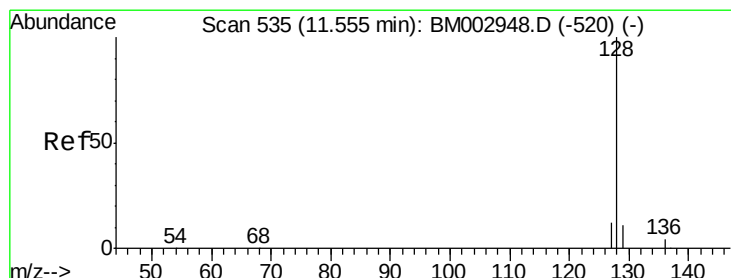
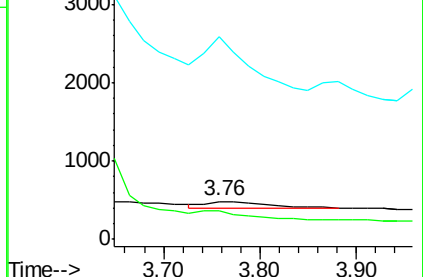
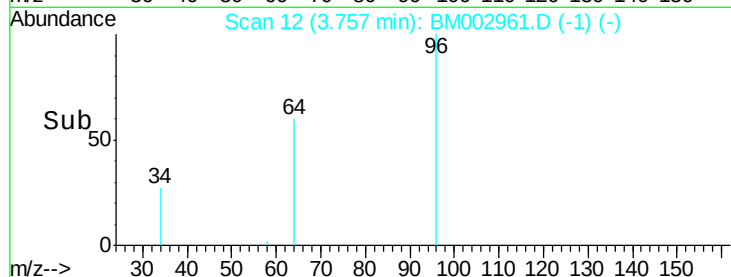
43 590.4 24.2 36.2#



Abundance Ion 88.00 (87.70 to 88.70): BM002948.D (-8) (-)

Ion 58.00 (57.70 to 58.70): BM002948.D (-8) (-)

Ion 43.00 (42.70 to 43.70): BM002948.D (-8) (-)



#5

Naphthalene

Concen: 0.01 ng/ul

RT: 11.54 min Scan# 534

Delta R.T. -0.01 min

Lab File: BM002961.D

Acq: 21 Oct 2015 23:25

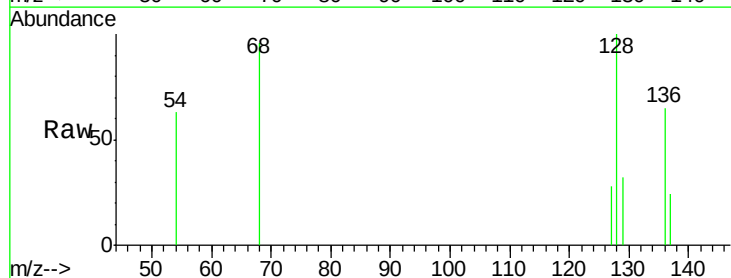
Tgt Ion: 128 Resp: 1120

Ion Ratio Lower Upper

128 100

129 31.5 9.8 14.8#

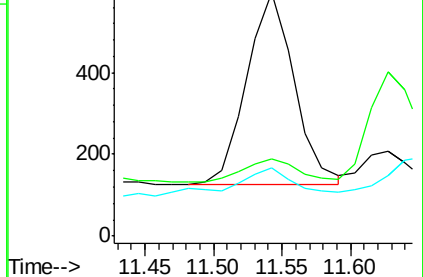
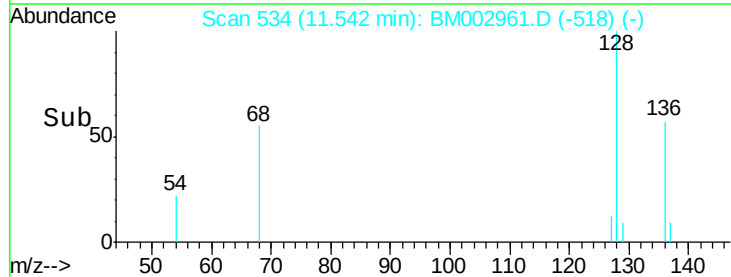
127 27.9 10.7 16.1#

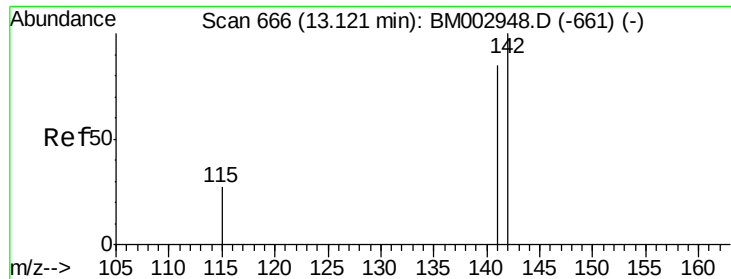


Abundance Ion 128.00 (127.70 to 128.70): BM002948.D (-520) (-)

Ion 129.00 (128.70 to 129.70): BM002948.D (-520) (-)

Ion 127.00 (126.70 to 127.70): BM002948.D (-520) (-)





#7

2-Methylnaphthalene

Concen: 0.01 ng/ul

RT: 13.11 min Scan# 665

Delta R.T. -0.01 min

Lab File: BM002961.D

Acq: 21 Oct 2015 23:25

Instrument :

BNA_M

ClientSampleId :

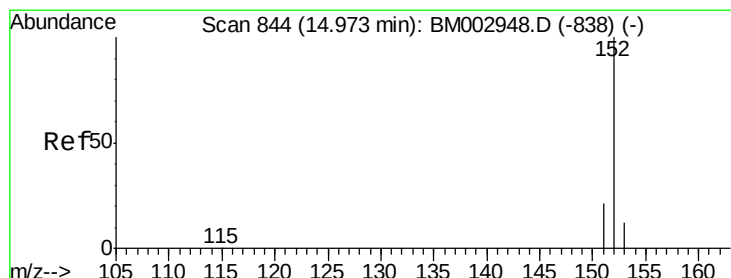
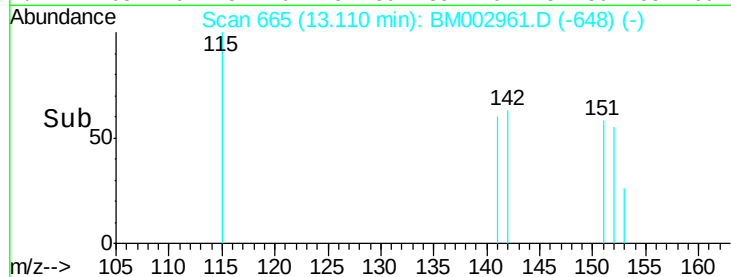
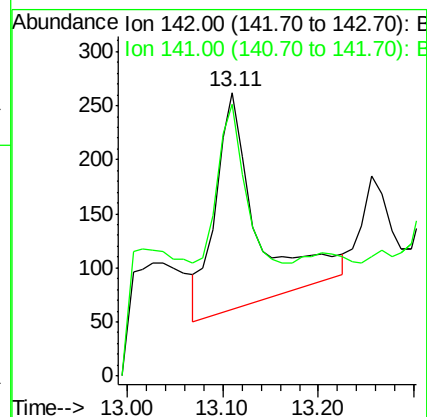
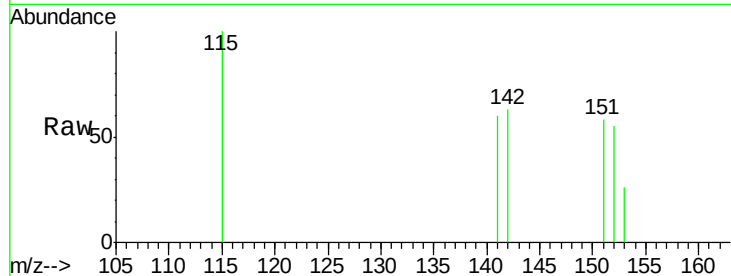
JG9J6

Tgt Ion:142 Resp: 614

Ion Ratio Lower Upper

142 100

141 113.5 70.3 105.5#



#9

Acenaphthylene

Concen: 0.01 ng/ul

RT: 14.96 min Scan# 843

Delta R.T. -0.01 min

Lab File: BM002961.D

Acq: 21 Oct 2015 23:25

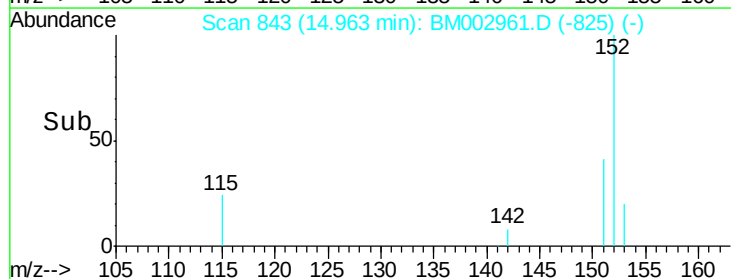
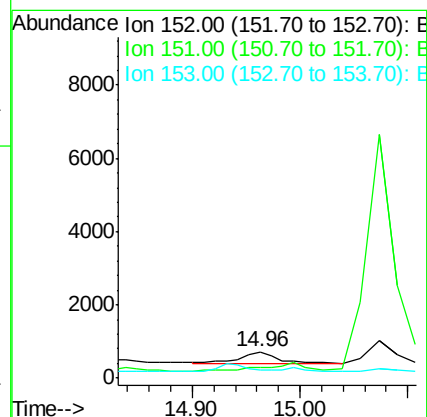
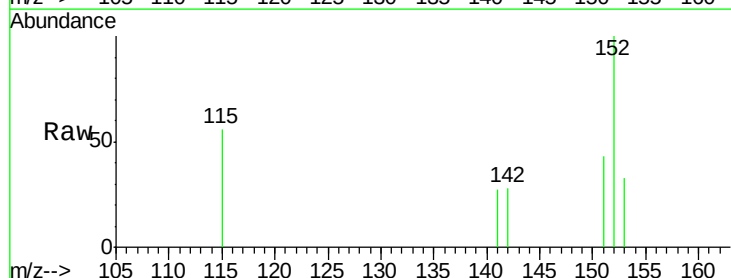
Tgt Ion:152 Resp: 833

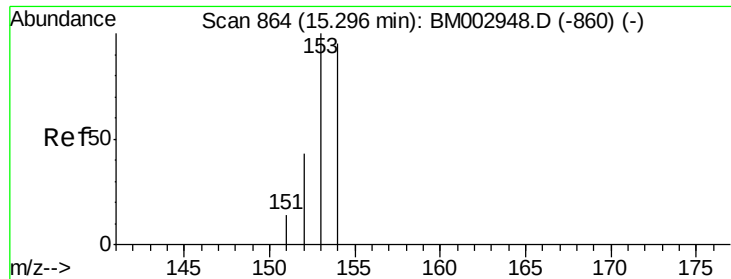
Ion Ratio Lower Upper

152 100

151 42.7 16.8 25.2#

153 33.1 11.3 16.9#





#10

Acenaphthene

Concen: 0.01 ng/ul

RT: 15.28 min Scan# 863

Delta R.T. -0.02 min

Lab File: BM002961.D

Acq: 21 Oct 2015 23:25

Instrument :

BNA_M

ClientSampleId :

JG9J6

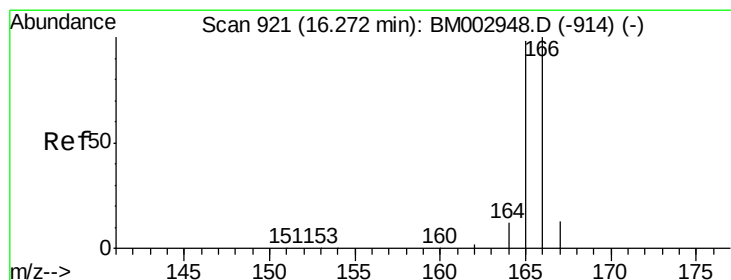
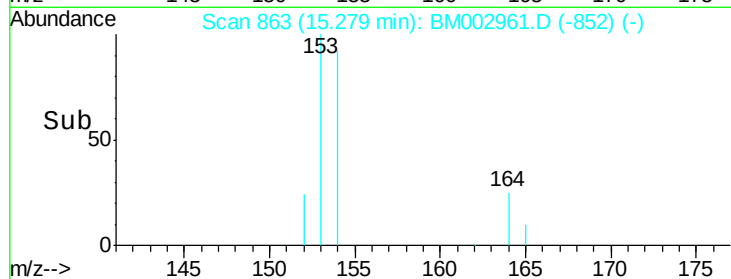
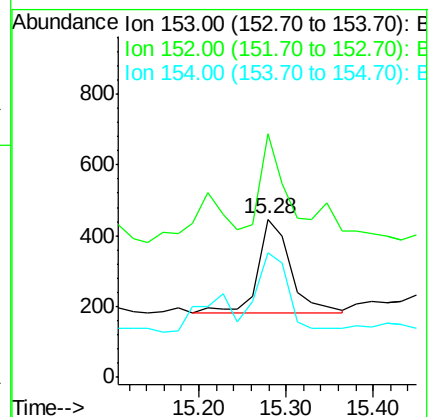
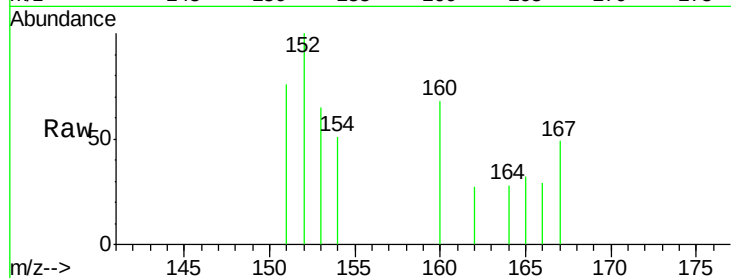
Tgt Ion:153 Resp: 694

Ion Ratio Lower Upper

153 100

152 154.3 42.3 63.5#

154 79.1 64.7 97.1



#11

Fluorene

Concen: 0.10 ng/ul

RT: 16.27 min Scan# 921

Delta R.T. -0.00 min

Lab File: BM002961.D

Acq: 21 Oct 2015 23:25

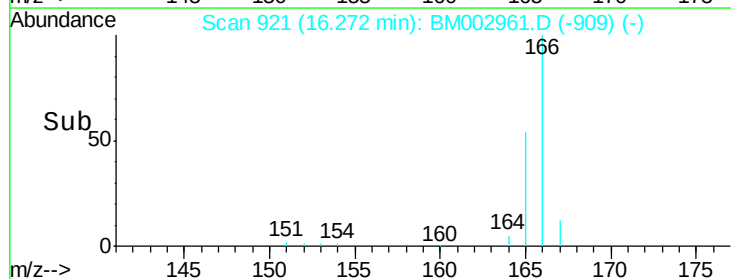
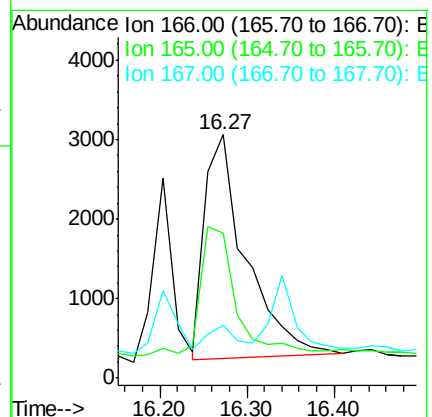
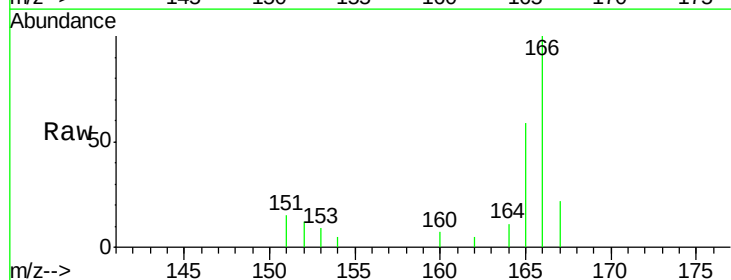
Tgt Ion:166 Resp: 9256

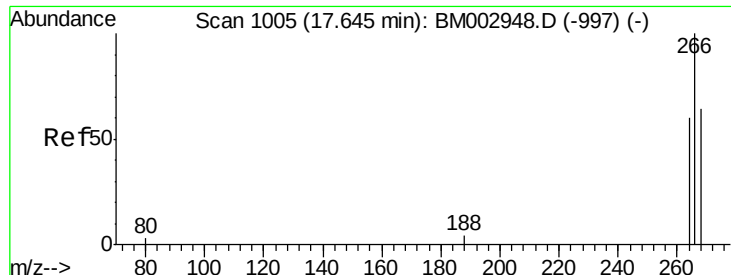
Ion Ratio Lower Upper

166 100

165 59.5 87.6 131.4#

167 21.9 11.1 16.7#

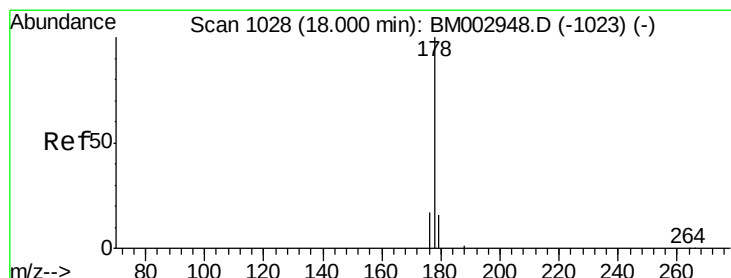
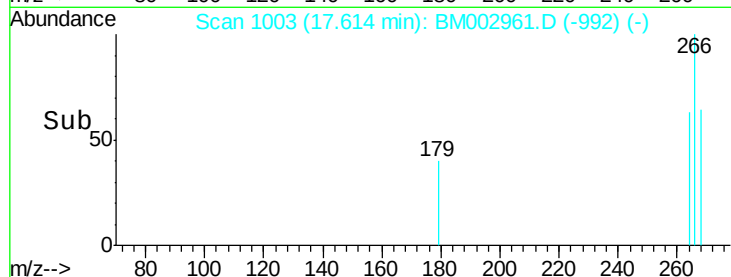
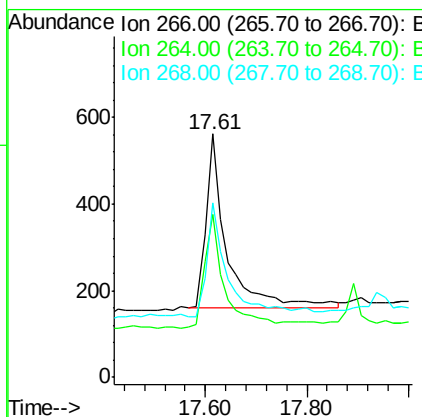
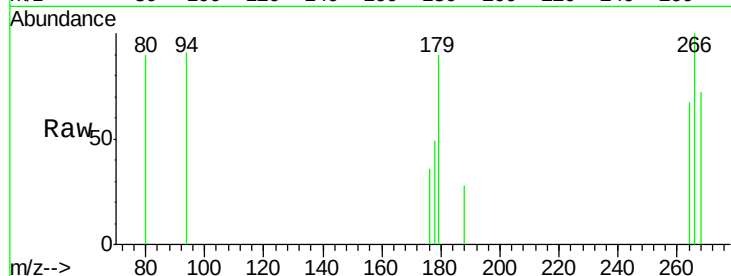




#13
 Pentachlorophenol
 Concen: 0.01 ng/ul
 RT: 17.61 min Scan# 1003
 Delta R.T. -0.03 min
 Lab File: BM002961.D
 Acq: 21 Oct 2015 23:25

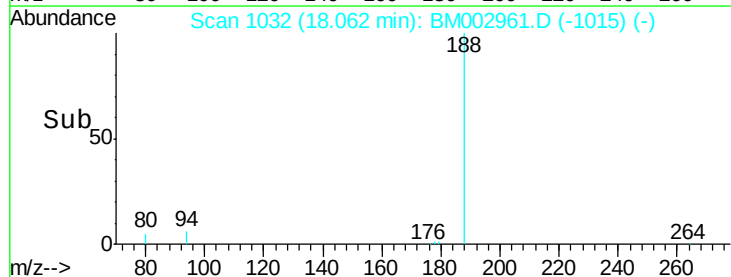
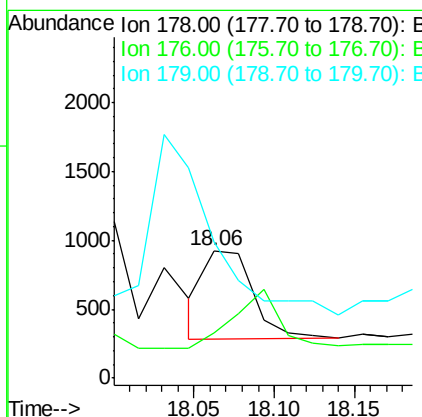
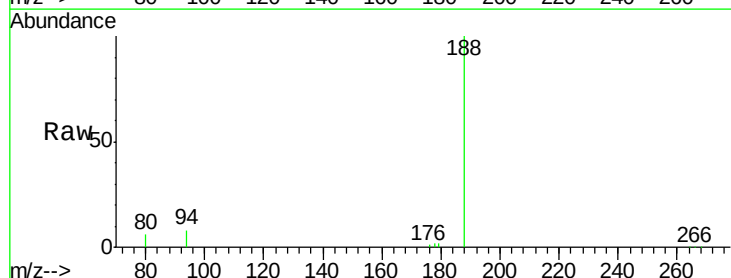
Instrument :
 BNA_M
 ClientSampleId :
 JG9J6

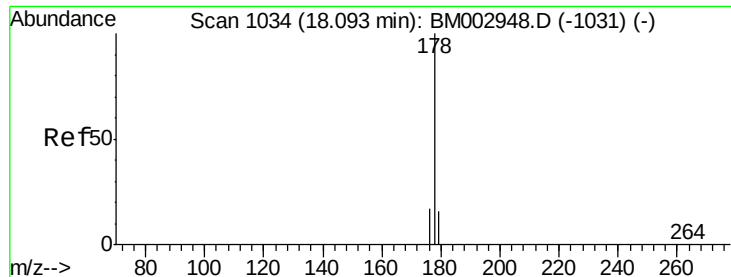
Tgt Ion: 266 Resp: 1163
 Ion Ratio Lower Upper
 266 100
 264 69.5 53.5 80.3
 268 68.4 54.2 81.2



#14
 Phenanthrene
 Concen: 0.00 ng/ul
 RT: 18.06 min Scan# 1032
 Delta R.T. 0.06 min
 Lab File: BM002961.D
 Acq: 21 Oct 2015 23:25

Tgt Ion: 178 Resp: 1365
 Ion Ratio Lower Upper
 178 100
 176 35.8 16.2 24.4#
 179 106.5 12.8 19.2#





#15

Anthracene

Concen: 0.00 ng/ul

RT: 18.06 min Scan# 1032

Delta R.T. -0.03 min

Lab File: BM002961.D

Acq: 21 Oct 2015 23:25

Instrument :

BNA_M

ClientSampleId :

JG9J6

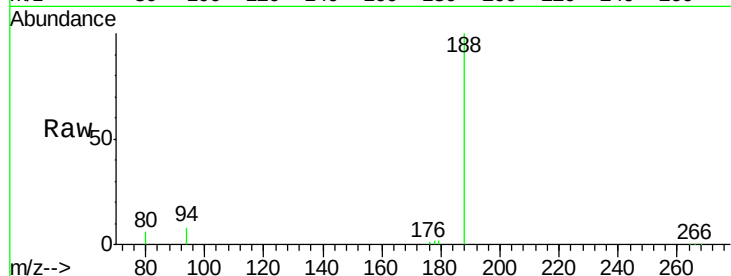
Tgt Ion:178 Resp: 1331

Ion Ratio Lower Upper

178 100

176 35.8 15.8 23.8#

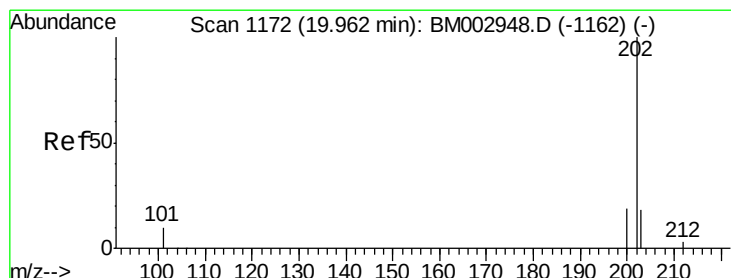
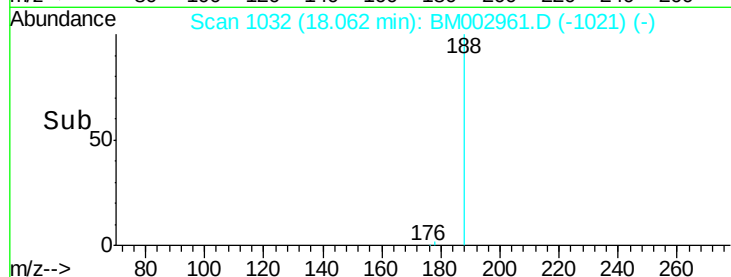
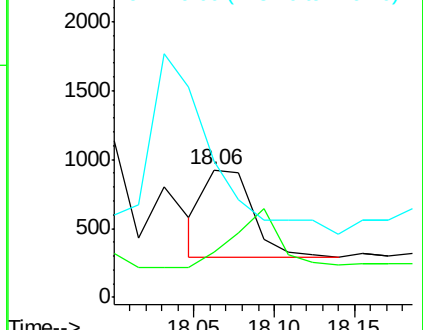
179 106.5 13.3 19.9#



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



#17

Fluoranthene

Concen: 0.00 ng/ul

RT: 19.95 min Scan# 1171

Delta R.T. -0.01 min

Lab File: BM002961.D

Acq: 21 Oct 2015 23:25

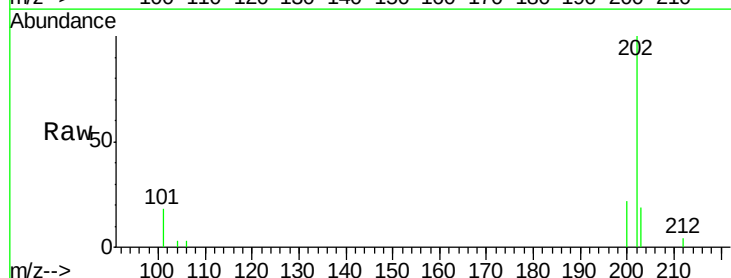
Tgt Ion:202 Resp: 28881

Ion Ratio Lower Upper

202 100

101 18.3 0.0 33.1

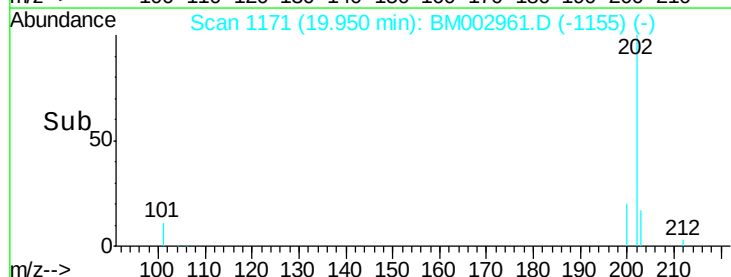
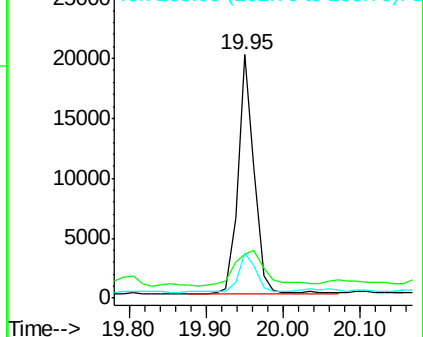
203 18.7 0.0 37.2

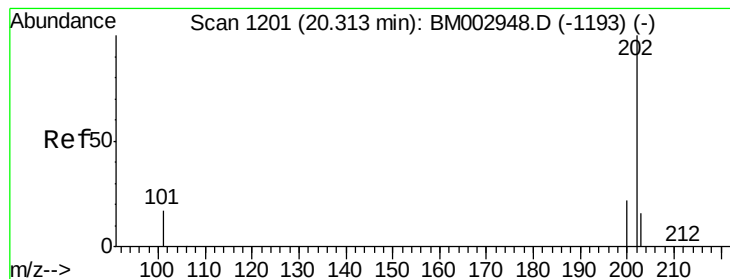


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E





#19

Pyrene

Concen: 0.25 ng/ul

RT: 20.30 min Scan# 1200

Delta R.T. -0.01 min

Lab File: BM002961.D

Acq: 21 Oct 2015 23:25

Instrument :

BNA_M

ClientSampleId :

JG9J6

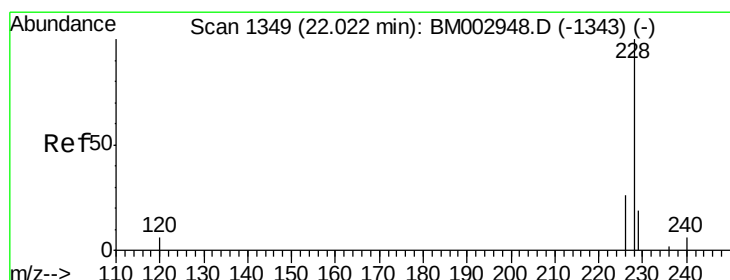
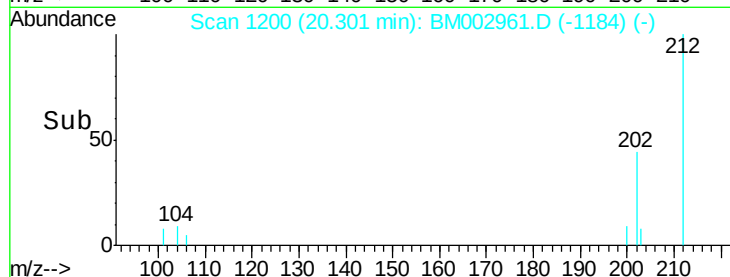
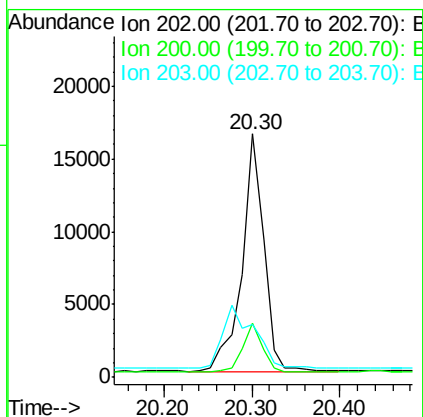
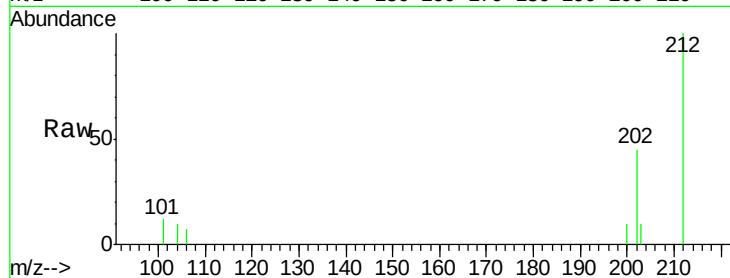
Tgt Ion:202 Resp: 28007

Ion Ratio Lower Upper

202 100

200 22.2 18.0 27.0

203 21.5 13.8 20.6#



#20

Benzo(a)anthracene

Concen: 0.09 ng/ul

RT: 22.01 min Scan# 1348

Delta R.T. -0.01 min

Lab File: BM002961.D

Acq: 21 Oct 2015 23:25

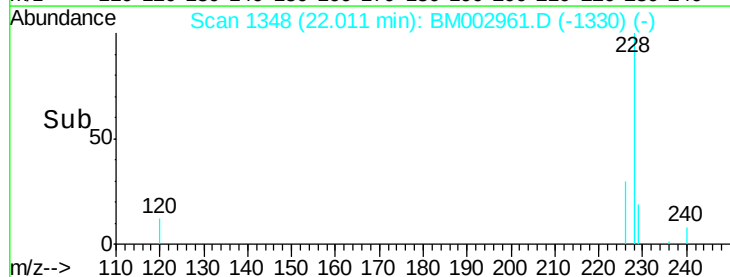
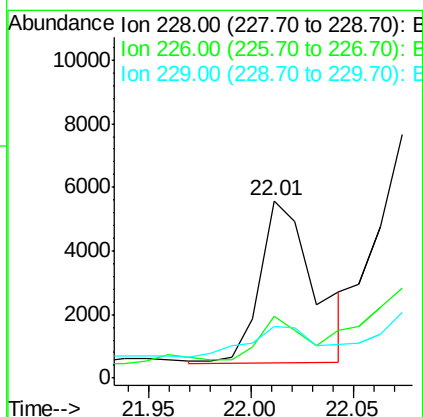
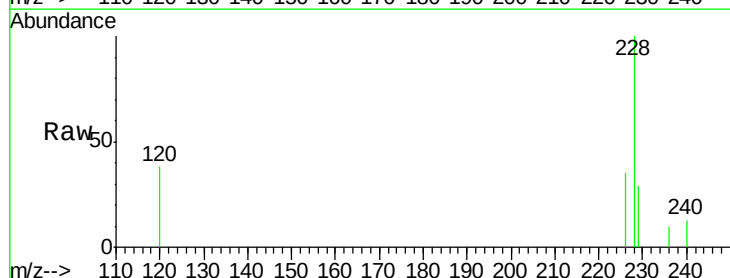
Tgt Ion:228 Resp: 9519

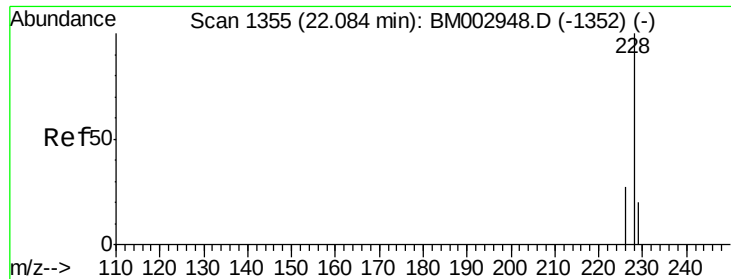
Ion Ratio Lower Upper

228 100

226 34.8 23.0 34.4#

229 28.9 15.2 22.8#





#21

Chrysene

Concen: 0.12 ng/ul

RT: 22.07 min Scan# 1354

Delta R.T. -0.01 min

Lab File: BM002961.D

Acq: 21 Oct 2015 23:25

Instrument :

BNA_M

ClientSampleId :

JG9J6

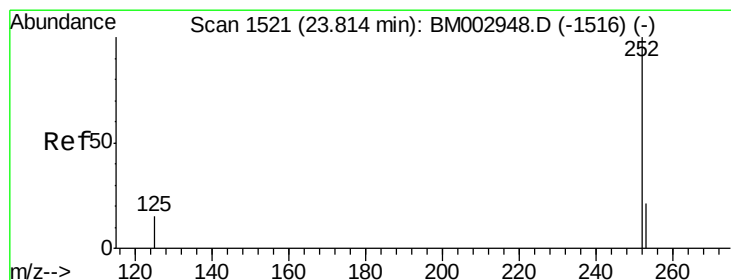
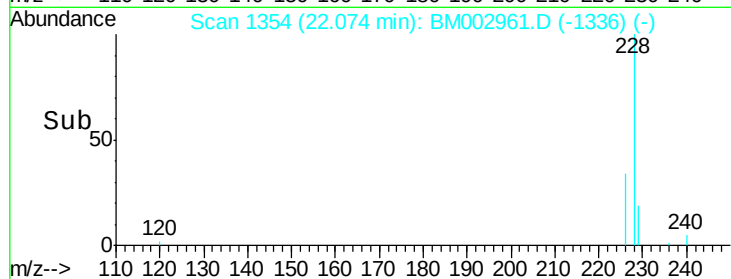
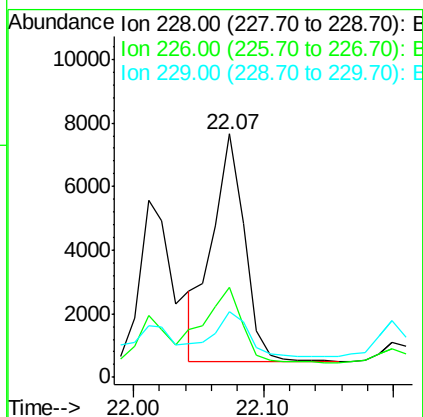
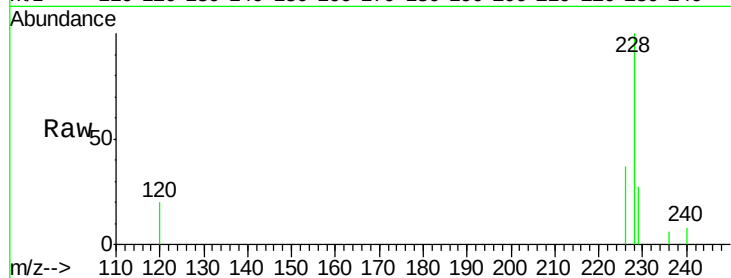
Tgt Ion:228 Resp: 12203

Ion Ratio Lower Upper

228 100

226 37.2 25.7 38.5

229 27.2 15.2 22.8#



#23

Benzo(b)fluoranthene

Concen: 0.19 ng/ul

RT: 23.81 min Scan# 1521

Delta R.T. -0.00 min

Lab File: BM002961.D

Acq: 21 Oct 2015 23:25

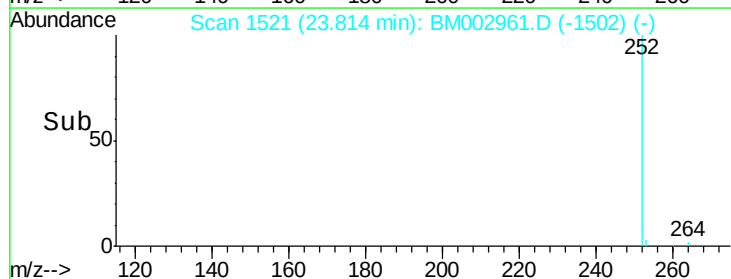
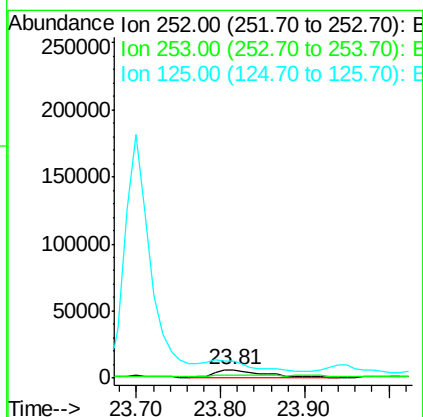
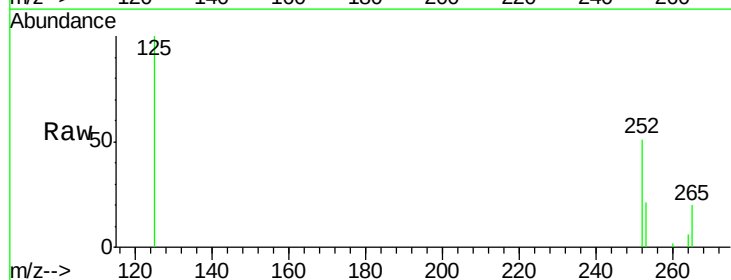
Tgt Ion:252 Resp: 19874

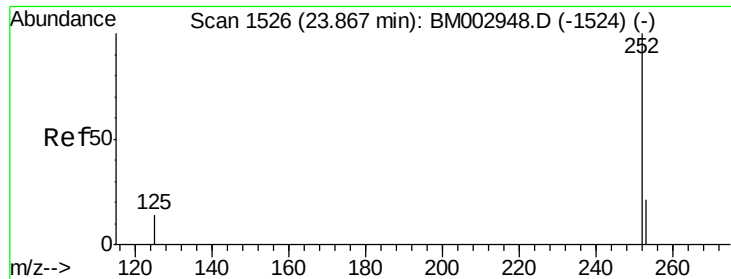
Ion Ratio Lower Upper

252 100

253 40.8 0.0 48.0

125 194.2 0.0 36.6#





#24

Benzo(k)fluoranthene

Concen: 0.20 ng/ul

RT: 23.81 min Scan# 1521

Delta R.T. -0.05 min

Lab File: BM002961.D

Acq: 21 Oct 2015 23:25

Instrument :

BNA_M

ClientSampleId :

JG9J6

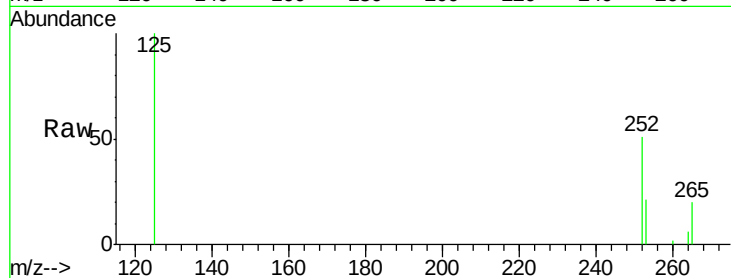
Tgt Ion:252 Resp: 19874

Ion Ratio Lower Upper

252 100

253 40.8 20.8 31.2#

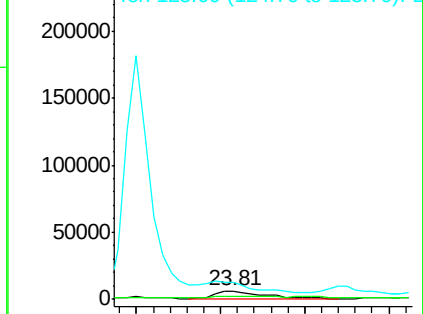
125 194.2 12.2 18.4#



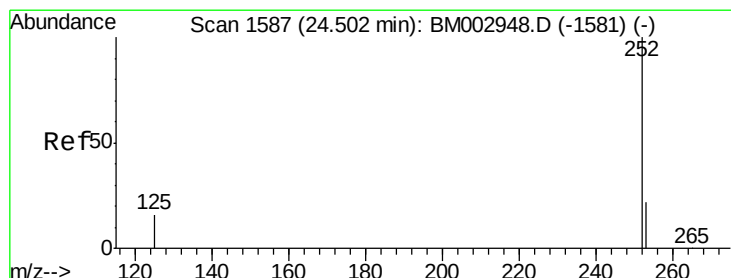
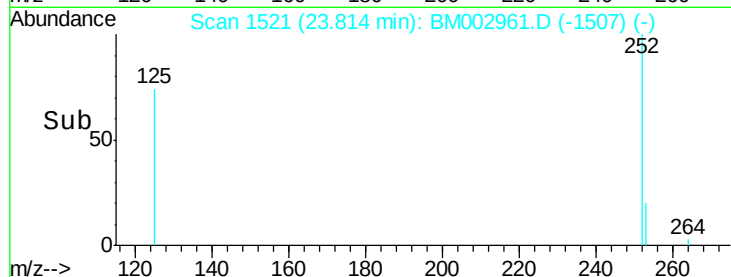
Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



Time-->



#25

Benzo(a)pyrene

Concen: 0.08 ng/ul

RT: 24.47 min Scan# 1584

Delta R.T. -0.03 min

Lab File: BM002961.D

Acq: 21 Oct 2015 23:25

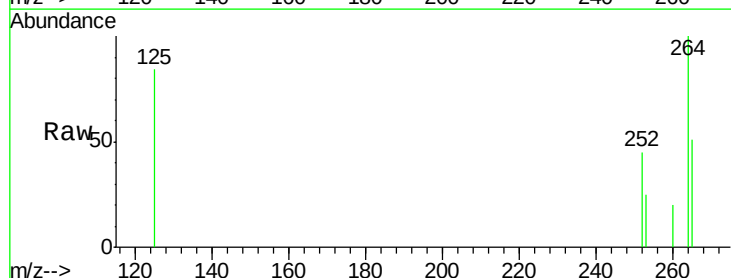
Tgt Ion:252 Resp: 8217

Ion Ratio Lower Upper

252 100

253 55.9 21.8 32.8#

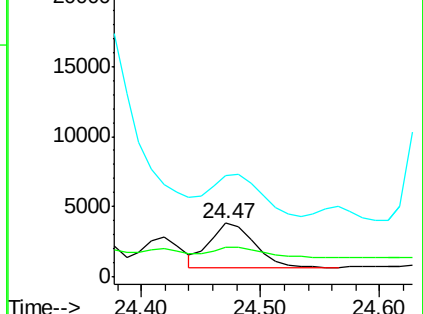
125 187.2 14.5 21.7#



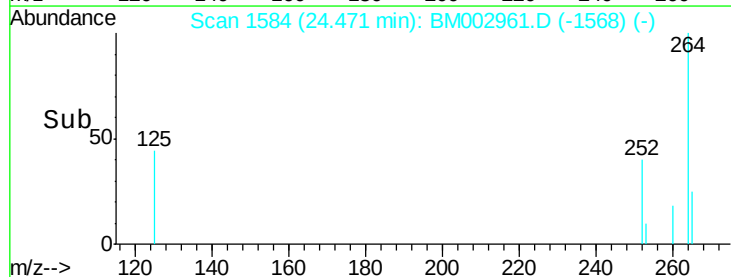
Abundance Ion 252.00 (251.70 to 252.70): E

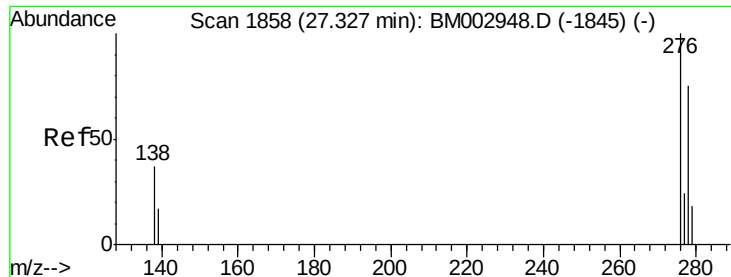
Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



Time-->





#26

Indeno(1,2,3-cd)pyrene

Concen: 0.07 ng/ul

RT: 27.33 min Scan# 1858

Delta R.T. -0.00 min

Lab File: BM002961.D

Acq: 21 Oct 2015 23:25

Instrument :

BNA_M

ClientSampleId :

JG9J6

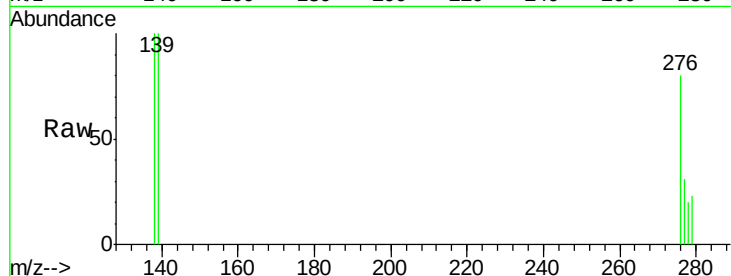
Tgt Ion:276 Resp: 6998

Ion Ratio Lower Upper

276 100

138 0.0 27.5 41.3#

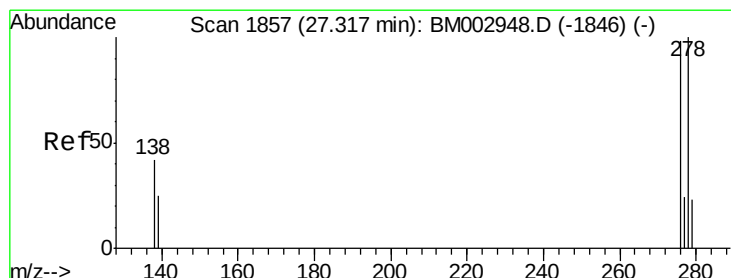
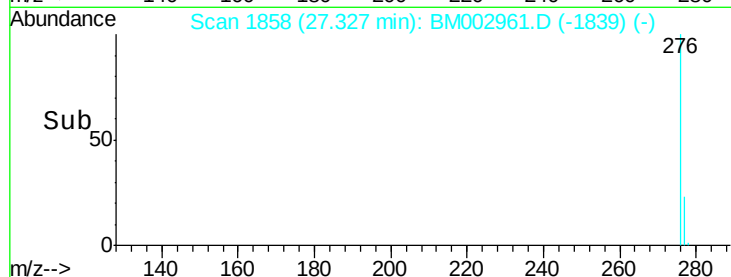
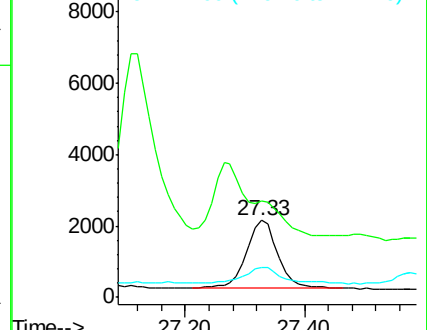
277 27.6 19.3 28.9



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



#27

Dibenzo(a,h)anthracene

Concen: 0.02 ng/ul

RT: 27.29 min Scan# 1854

Delta R.T. -0.03 min

Lab File: BM002961.D

Acq: 21 Oct 2015 23:25

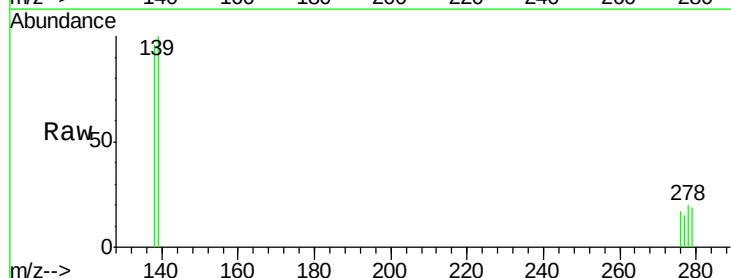
Tgt Ion:278 Resp: 2034

Ion Ratio Lower Upper

278 100

139 502.6 21.7 32.5#

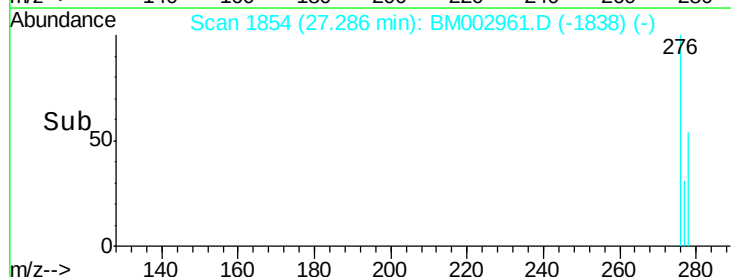
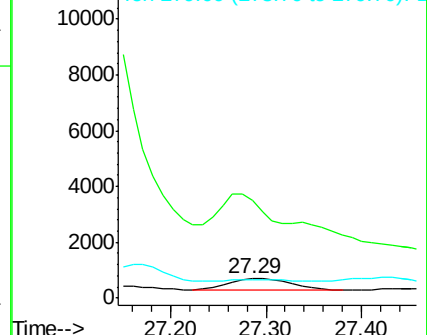
279 97.3 21.9 32.9#

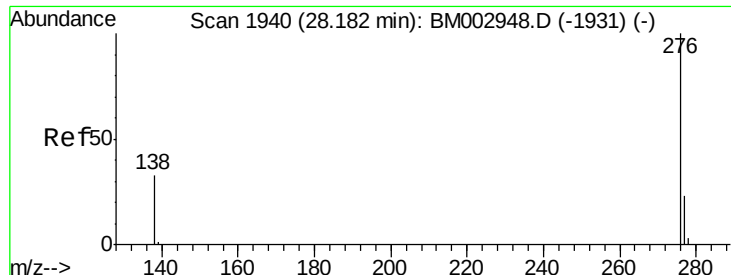


Abundance Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E





#28

Benzo(g,h,i)perylene

Concen: 0.09 ng/ul

RT: 28.18 min Scan# 1940

Delta R.T. -0.00 min

Lab File: BM002961.D

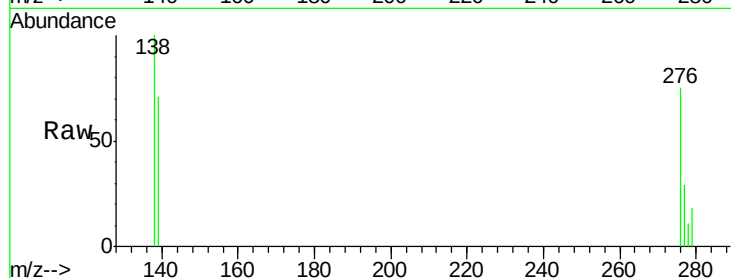
Acq: 21 Oct 2015 23:25

Instrument :

BNA_M

ClientSampleId :

JG9J6



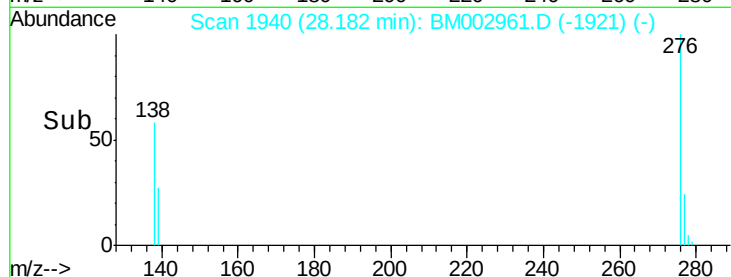
Tgt Ion: 276 Resp: 7826

Ion Ratio Lower Upper

276 100

277 38.1 21.3 31.9#

138 132.5 25.5 38.3#



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

