

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM112015\
 Data File : BM003222.D
 Acq On : 20 Nov 2015 15:44
 Operator : UM/IZ
 Sample : G4322-19RX
 Misc :
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 A4HT0RX

Quant Time: Nov 21 03:30:38 2015
 Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-SIM-BM111815.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Sat Nov 21 03:26:56 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.74	152	14821	0.40	ng/ul	0.00
4) Naphthalene-d8	10.53	136	60502	0.40	ng/ul	0.00
8) Acenaphthene-d10	14.38	164	31315	0.40	ng/ul	0.00
12) Phenanthrene-d10	17.12	188	59670	0.40	ng/ul	0.00
18) Chrysene-d12	21.33	240	53630	0.40	ng/ul	0.00
22) Perylene-d12	23.58	264	53708	0.40	ng/ul	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
2) 1,4-Dioxane-d8	3.20	96	20372	1.29	ng/uL	0.00
6) 2-Methylnaphthalene-d10	12.12	152	9417	0.11	ng/ul	0.00
16) Fluoranthene-d10	19.17	212	16673	0.11	ng/ul	0.00

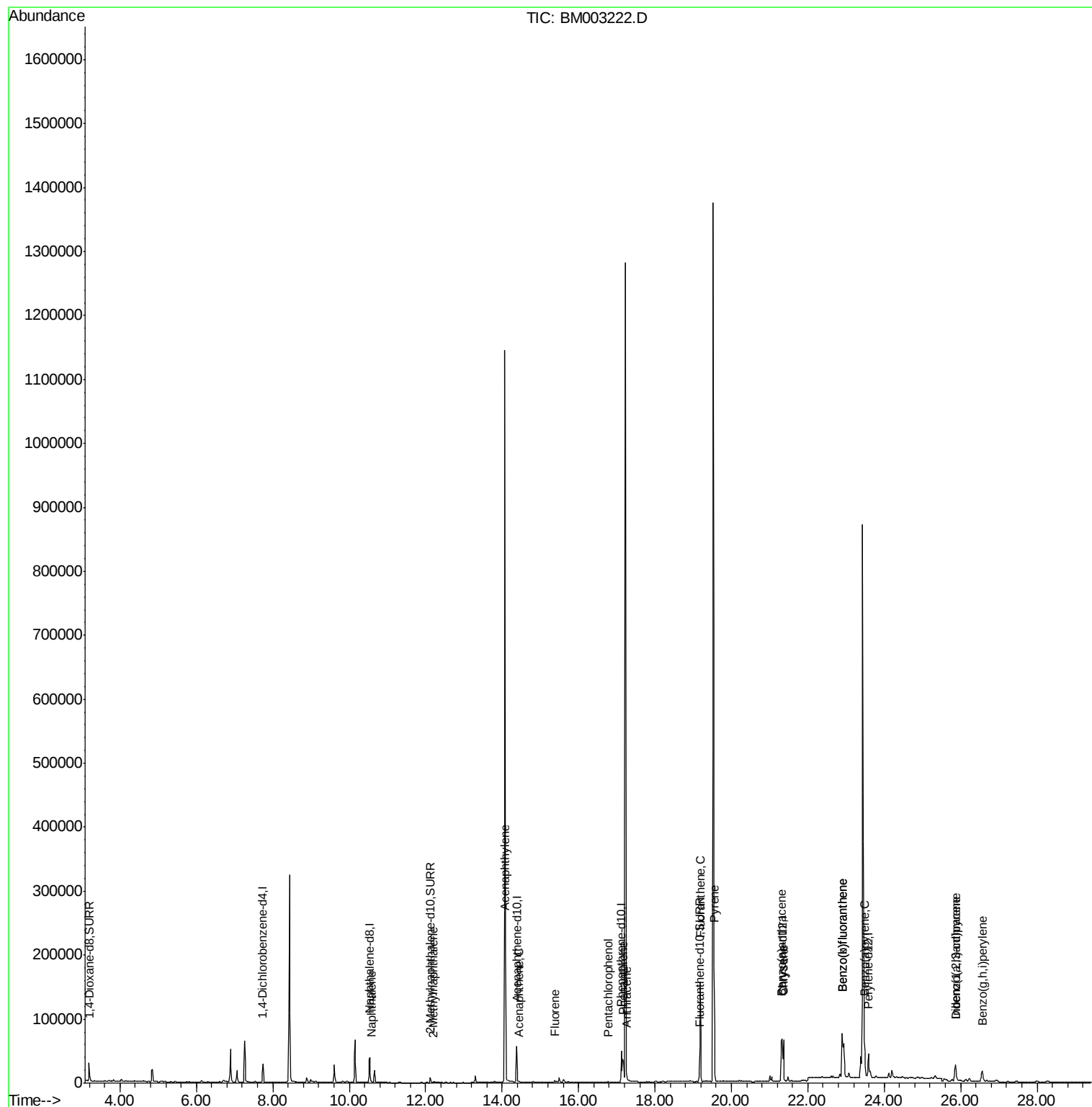
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Naphthalene	10.58	128	2735	0.02	ng/ul#	82
7) 2-Methylnaphthalene	12.19	142	724	0.01	ng/ul#	100
9) Acenaphthylene	14.09	152	3903	0.03	ng/ul#	89
10) Acenaphthene	14.43	153	1011	0.01	ng/ul#	73
11) Fluorene	15.37	166	3182	0.03	ng/ul#	33
13) Pentachlorophenol	16.78	266	970	0.07	ng/ul	94
14) Phenanthrene	17.16	178	53608	0.31	ng/ul#	89
15) Anthracene	17.26	178	7109	0.05	ng/ul#	92
17) Fluoranthene	19.19	202	145739	0.76	ng/ul	99
19) Pyrene	19.55	202	124998	0.68	ng/ul	99
20) Benzo(a)anthracene	21.31	228	55030	0.35	ng/ul	94
21) Chrysene	21.36	228	67781	0.39	ng/ul	97
23) Benzo(b)fluoranthene	22.91	252	129462	0.63	ng/ul#	73
24) Benzo(k)fluoranthene	22.91	252	129462	0.67	ng/ul#	76
25) Benzo(a)pyrene	23.48	252	57688	0.32	ng/ul#	94
26) Indeno(1,2,3-cd)pyrene	25.87	276	43041	0.20	ng/ul#	90
27) Dibenzo(a,h)anthracene	25.87	278	9808	0.06	ng/ul#	59
28) Benzo(g,h,i)perylene	26.57	276	37671	0.20	ng/ul	98

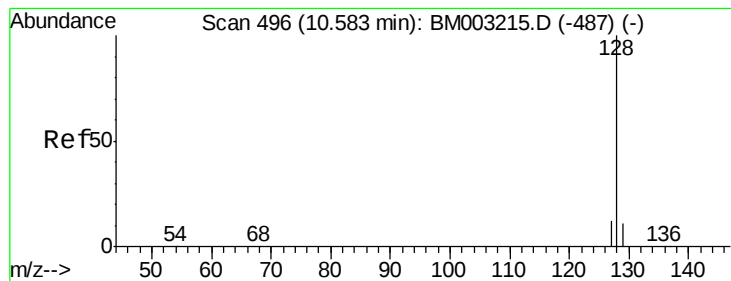
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Nov 21 03:30:38 2015
Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-SIM-BM11815.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Sat Nov 21 03:26:56 2015
Response via : Initial Calibration





#5

Naphthalene

Concen: 0.02 ng/ul

RT: 10.58 min Scan# 496

Delta R.T. 0.00 min

Lab File: BM003222.D

Acq: 20 Nov 2015 15:44

Instrument :

BNA_M

ClientSampleId :

A4HT0RX

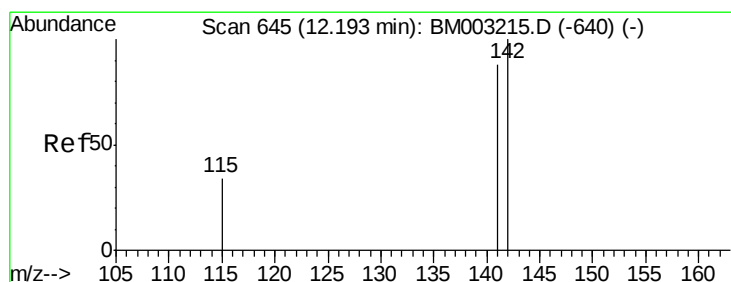
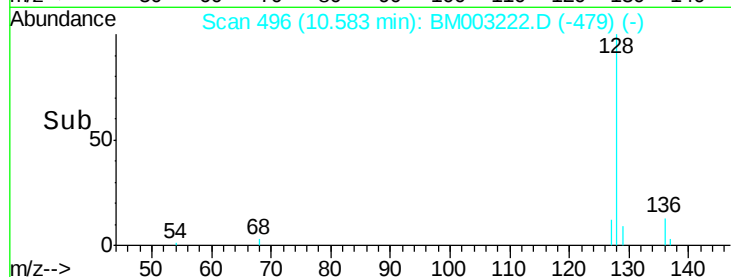
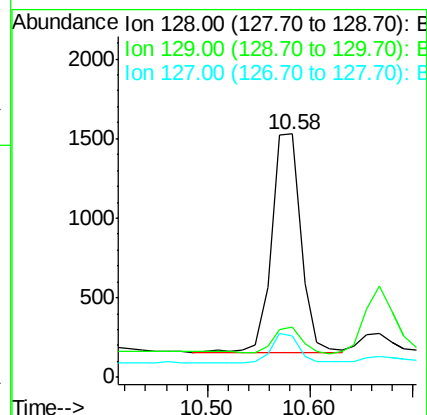
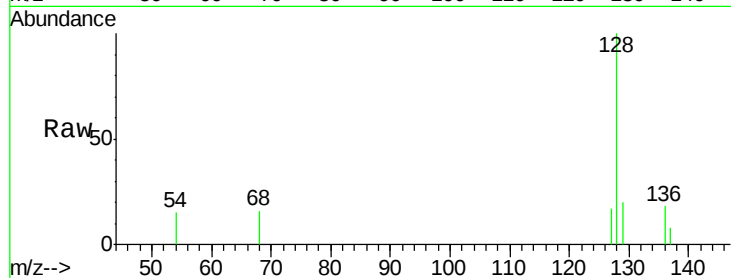
Tgt Ion:128 Resp: 2735

Ion Ratio Lower Upper

128 100

129 20.5 9.0 13.6#

127 16.7 9.6 14.4#



#7

2-Methylnaphthalene

Concen: 0.01 ng/ul

RT: 12.19 min Scan# 645

Delta R.T. 0.00 min

Lab File: BM003222.D

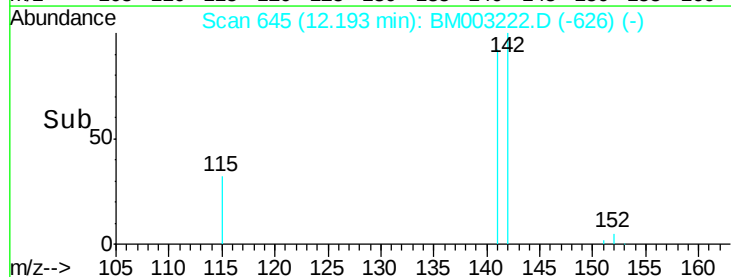
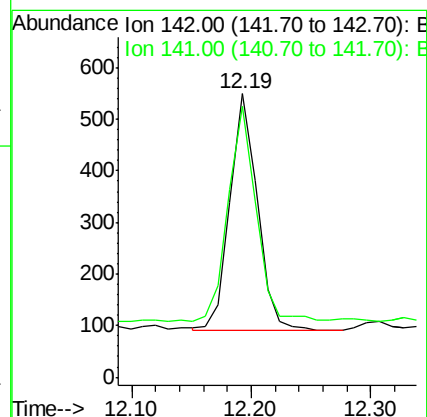
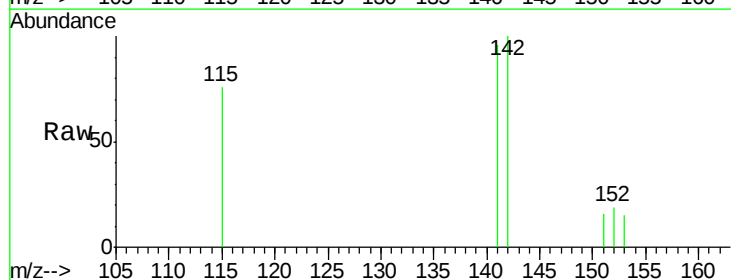
Acq: 20 Nov 2015 15:44

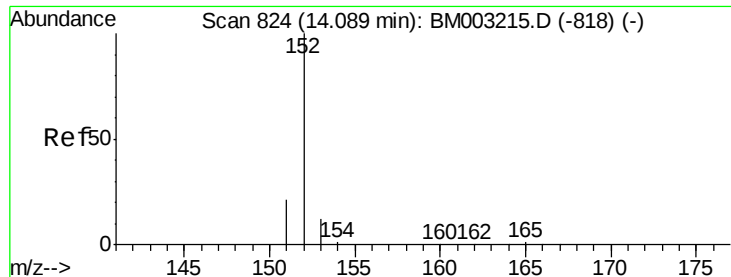
Tgt Ion:142 Resp: 724

Ion Ratio Lower Upper

142 100

141 93.5 0.0 0.0#





#9

Acenaphthylene

Concen: 0.03 ng/ul

RT: 14.09 min Scan# 824

Delta R.T. 0.00 min

Lab File: BM003222.D

Acq: 20 Nov 2015 15:44

Instrument :

BNA_M

ClientSampleId :

A4HT0RX

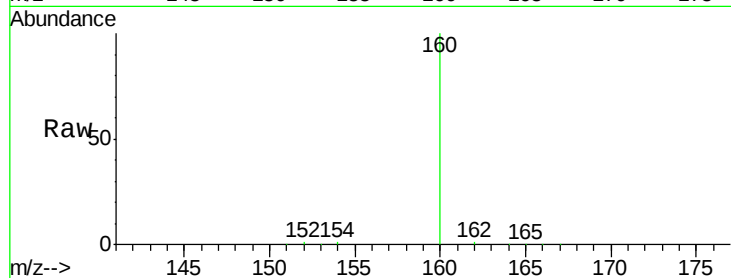
Tgt Ion:152 Resp: 3903

Ion Ratio Lower Upper

152 100

151 26.1 17.6 26.4

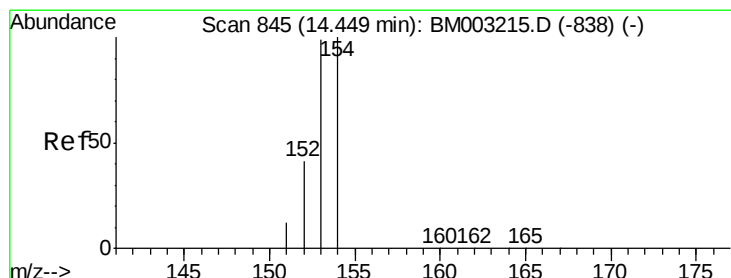
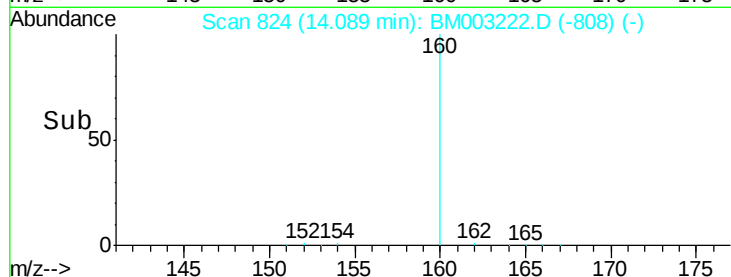
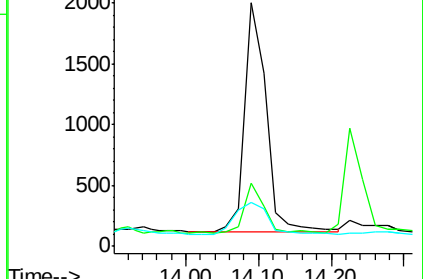
153 18.2 9.7 14.5#



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E



#10

Acenaphthene

Concen: 0.01 ng/ul

RT: 14.43 min Scan# 844

Delta R.T. -0.02 min

Lab File: BM003222.D

Acq: 20 Nov 2015 15:44

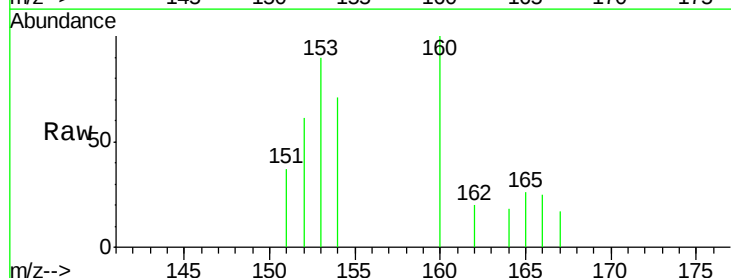
Tgt Ion:153 Resp: 1011

Ion Ratio Lower Upper

153 100

152 67.3 33.9 50.9#

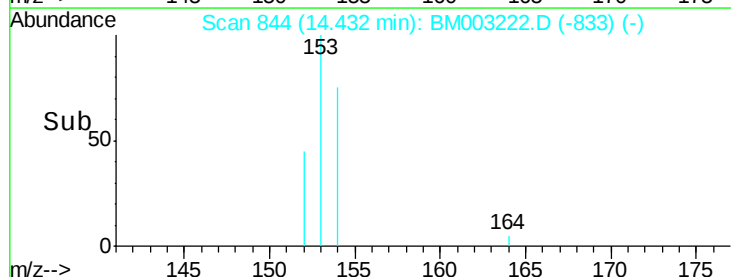
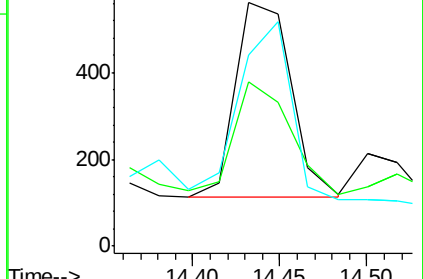
154 78.3 80.6 121.0#

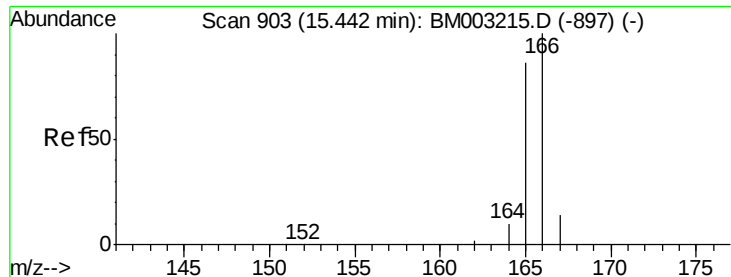


Abundance Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

Ion 154.00 (153.70 to 154.70): E





#11

Fluorene

Concen: 0.03 ng/ul

RT: 15.37 min Scan# 899

Delta R.T. -0.07 min

Lab File: BM003222.D

Acq: 20 Nov 2015 15:44

Instrument :

BNA_M

ClientSampleId :

A4HT0RX

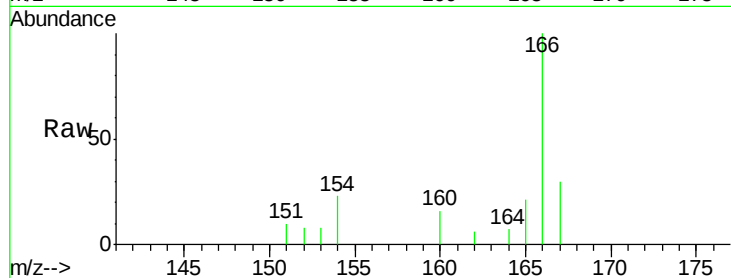
Tgt Ion:166 Resp: 3182

Ion Ratio Lower Upper

166 100

165 20.6 69.6 104.4#

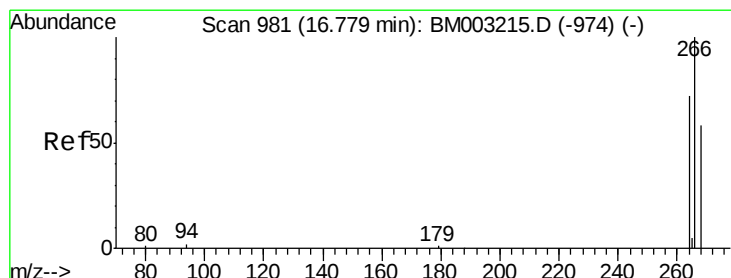
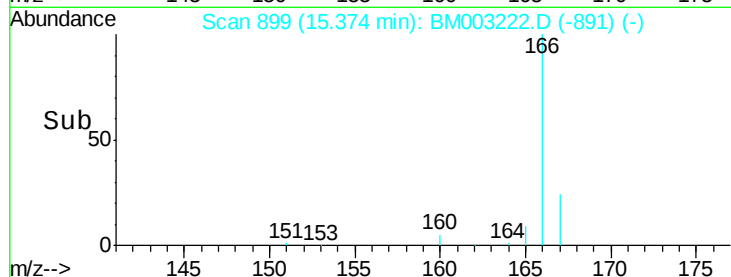
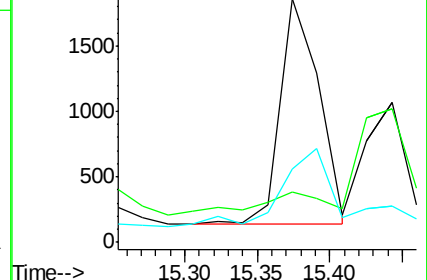
167 30.3 11.9 17.9#



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



#13

Pentachlorophenol

Concen: 0.07 ng/ul

RT: 16.78 min Scan# 981

Delta R.T. 0.00 min

Lab File: BM003222.D

Acq: 20 Nov 2015 15:44

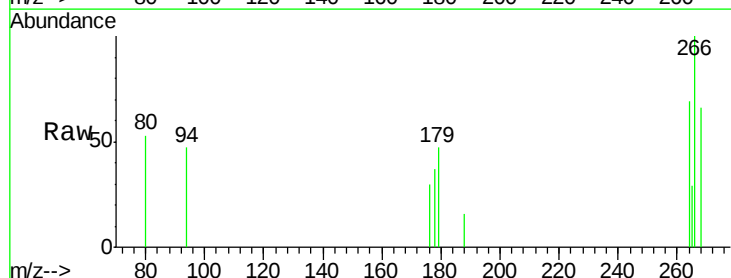
Tgt Ion:266 Resp: 970

Ion Ratio Lower Upper

266 100

264 63.5 51.8 77.8

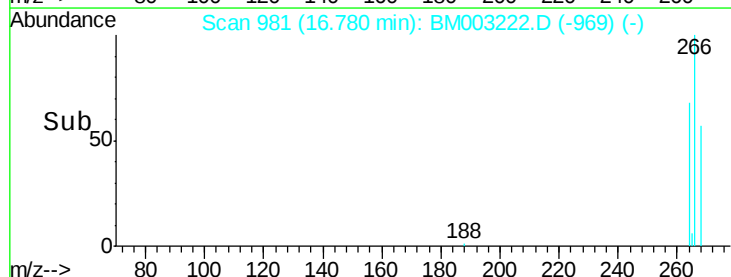
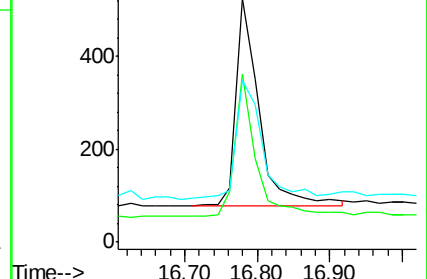
268 66.9 46.8 70.2

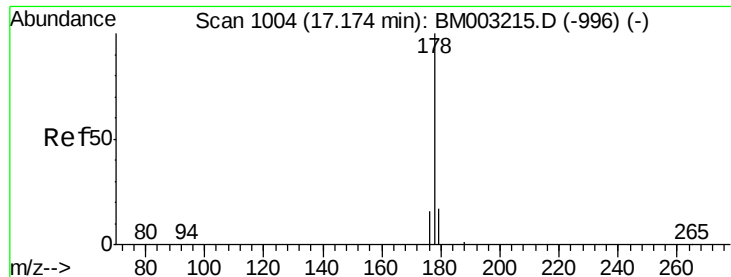


Abundance Ion 266.00 (265.70 to 266.70): E

Ion 264.00 (263.70 to 264.70): E

Ion 268.00 (267.70 to 268.70): E





#14

Phenanthrene

Concen: 0.31 ng/ul

RT: 17.16 min Scan# 1003

Delta R.T. -0.02 min

Lab File: BM003222.D

Acq: 20 Nov 2015 15:44

Instrument :

BNA_M

ClientSampleId :

A4HT0RX

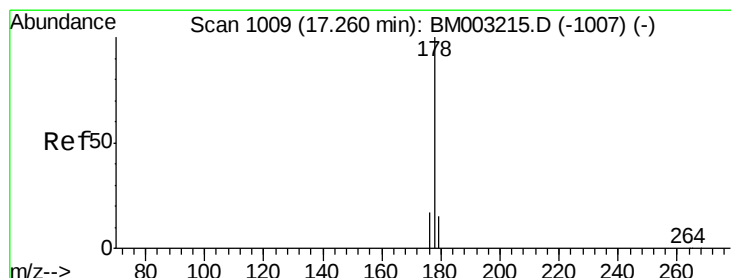
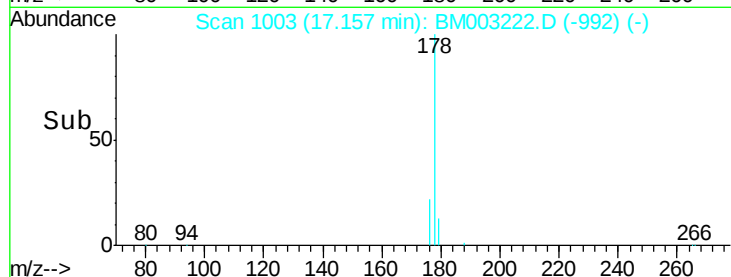
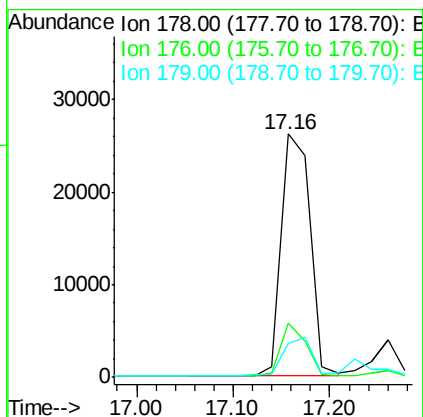
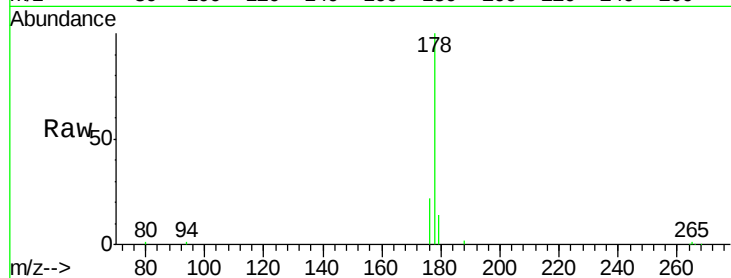
Tgt Ion:178 Resp: 53608

Ion Ratio Lower Upper

178 100

176 22.5 13.0 19.4#

179 13.9 14.2 21.2#



#15

Anthracene

Concen: 0.05 ng/ul

RT: 17.26 min Scan# 1009

Delta R.T. 0.00 min

Lab File: BM003222.D

Acq: 20 Nov 2015 15:44

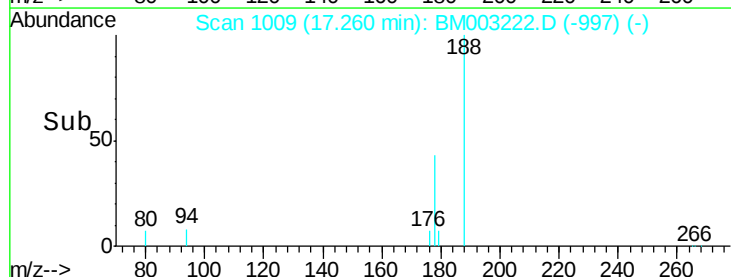
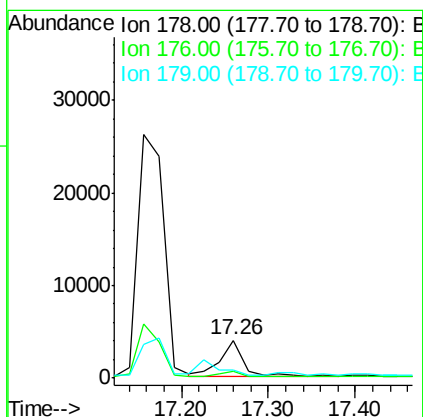
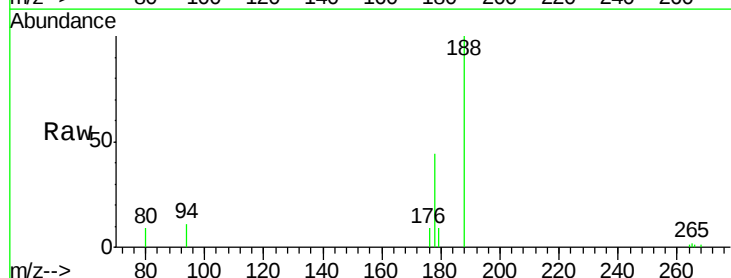
Tgt Ion:178 Resp: 7109

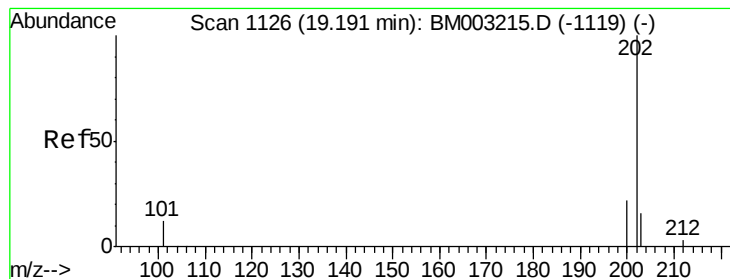
Ion Ratio Lower Upper

178 100

176 19.7 14.0 21.0

179 21.3 12.9 19.3#





#17

Fluoranthene

Concen: 0.76 ng/ul

RT: 19.19 min Scan# 1126

Delta R.T. 0.00 min

Lab File: BM003222.D

Acq: 20 Nov 2015 15:44

Instrument :

BNA_M

ClientSampleId :

A4HT0RX

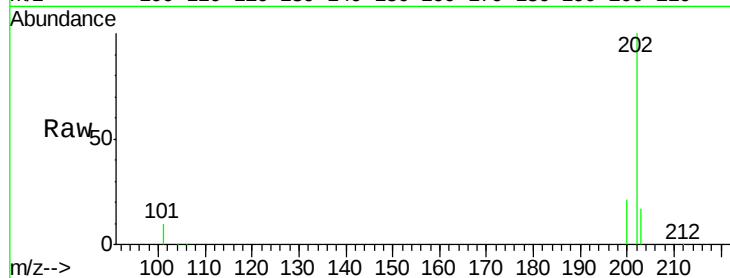
Tgt Ion:202 Resp: 145739

Ion Ratio Lower Upper

202 100

101 10.4 0.0 29.6

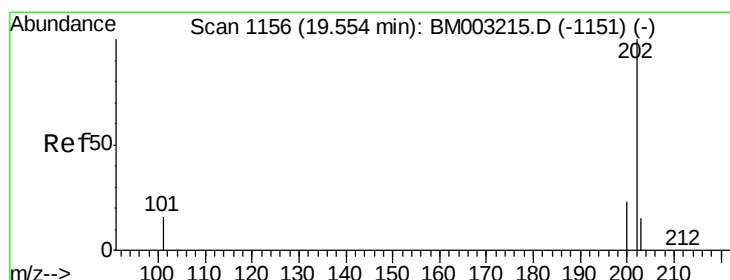
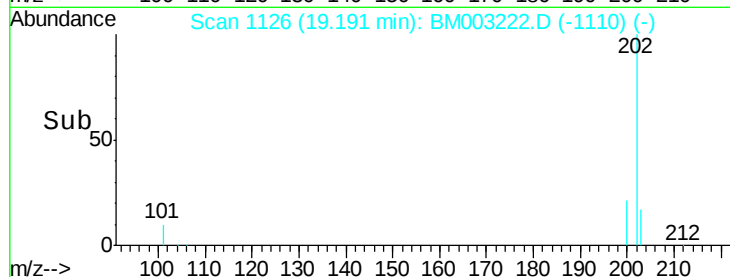
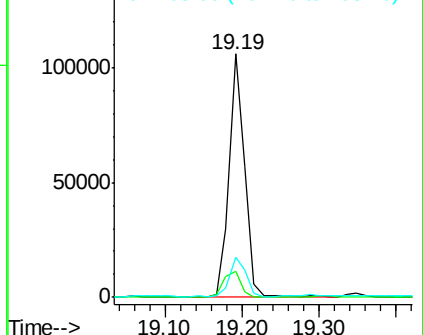
203 16.7 0.0 36.3



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: 0.68 ng/ul

RT: 19.55 min Scan# 1156

Delta R.T. 0.00 min

Lab File: BM003222.D

Acq: 20 Nov 2015 15:44

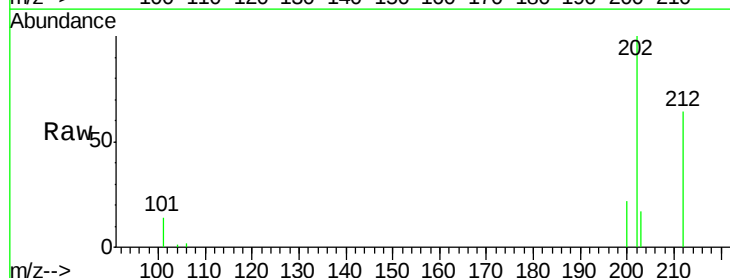
Tgt Ion:202 Resp: 124998

Ion Ratio Lower Upper

202 100

200 22.4 17.8 26.8

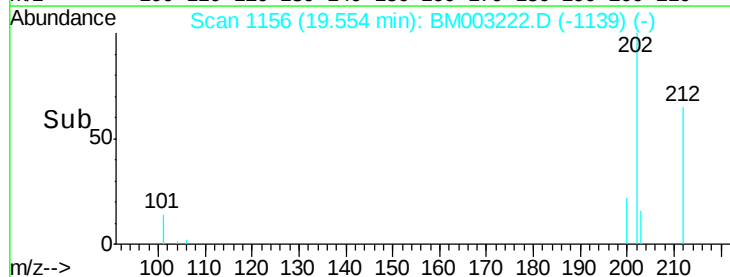
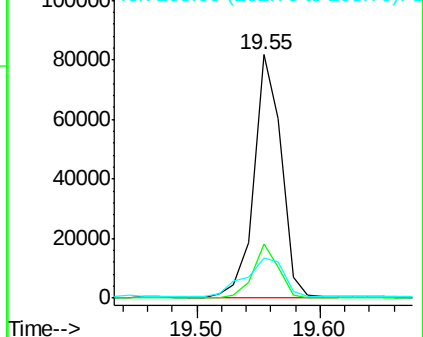
203 16.6 12.8 19.2

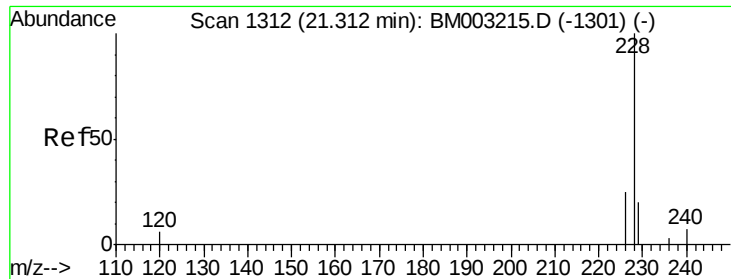


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#20

Benzo(a)anthracene

Concen: 0.35 ng/ul

RT: 21.31 min Scan# 1312

Delta R.T. 0.00 min

Lab File: BM003222.D

Acq: 20 Nov 2015 15:44

Instrument :

BNA_M

ClientSampleId :

A4HT0RX

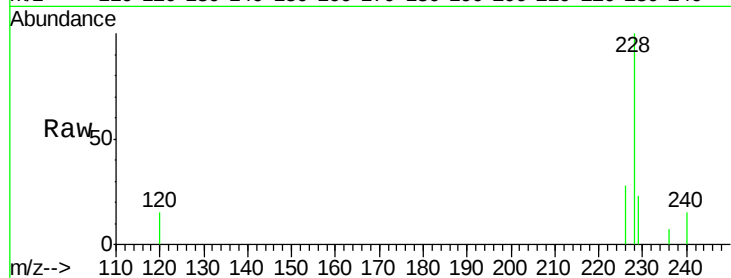
Tgt Ion:228 Resp: 55030

Ion Ratio Lower Upper

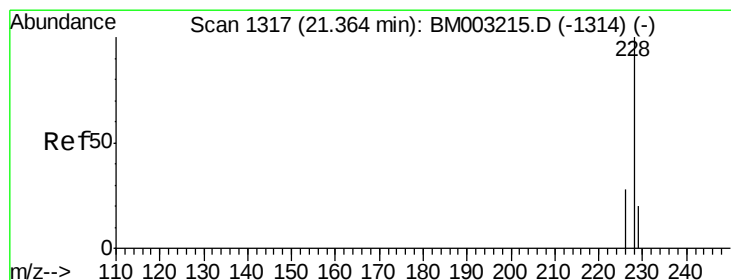
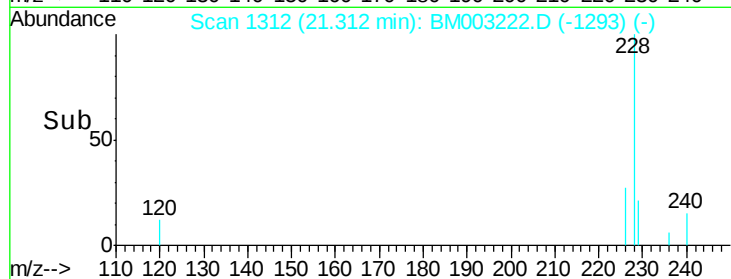
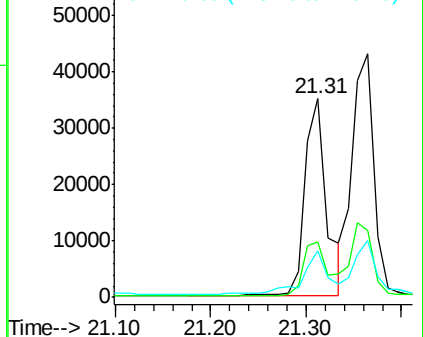
228 100

226 27.7 18.8 28.2

229 23.2 17.1 25.7



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



#21

Chrysene

Concen: 0.39 ng/ul

RT: 21.36 min Scan# 1317

Delta R.T. 0.00 min

Lab File: BM003222.D

Acq: 20 Nov 2015 15:44

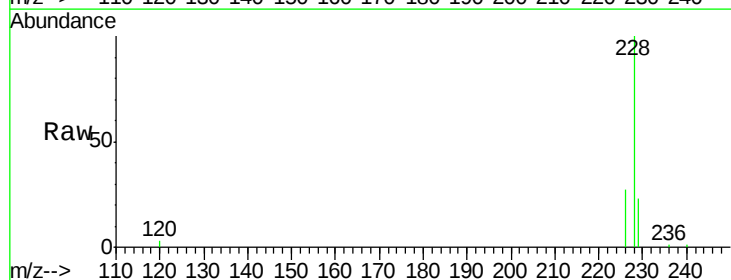
Tgt Ion:228 Resp: 67781

Ion Ratio Lower Upper

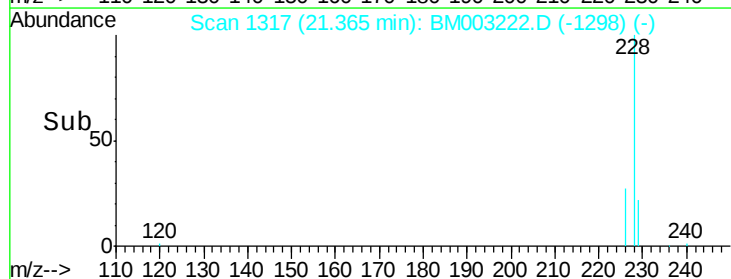
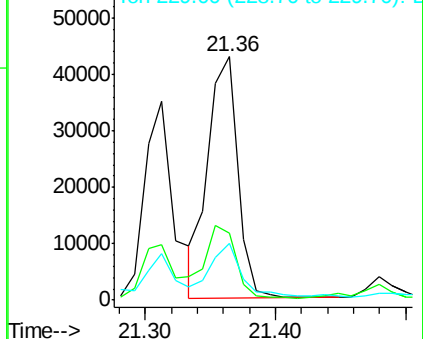
228 100

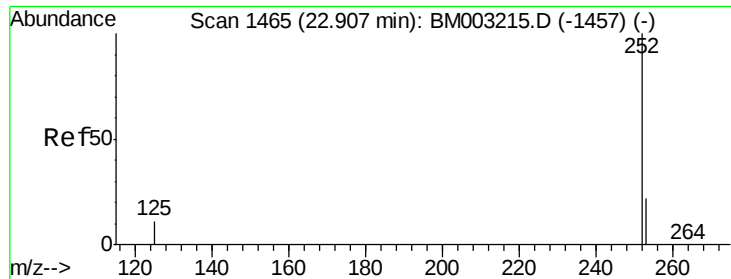
226 27.3 21.2 31.8

229 23.5 17.0 25.6



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





#23

Benzo(b)fluoranthene

Concen: 0.63 ng/u1

RT: 22.91 min Scan# 1465

Delta R.T. 0.00 min

Lab File: BM003222.D

Acq: 20 Nov 2015 15:44

Instrument :

BNA_M

ClientSampleId :

A4HT0RX

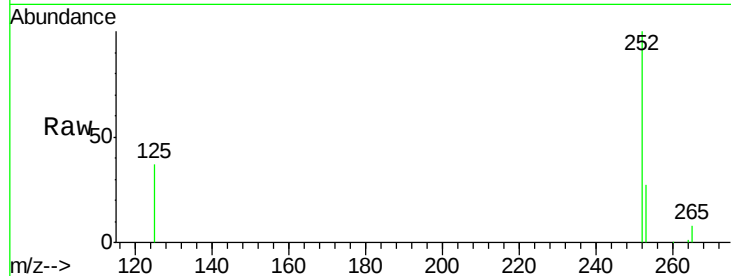
Tgt Ion:252 Resp: 129462

Ion Ratio Lower Upper

252 100

253 27.2 0.0 45.4

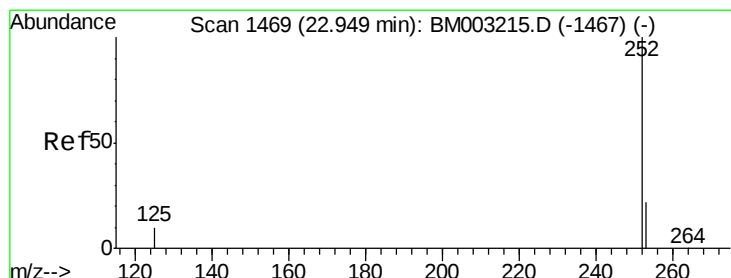
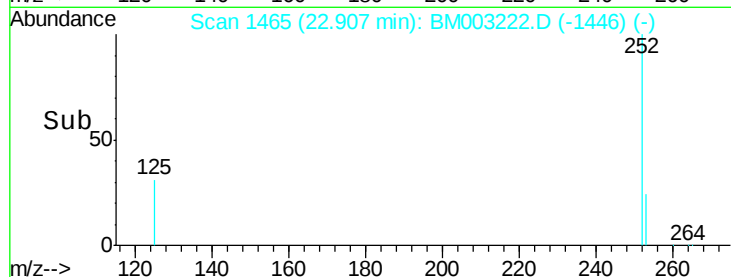
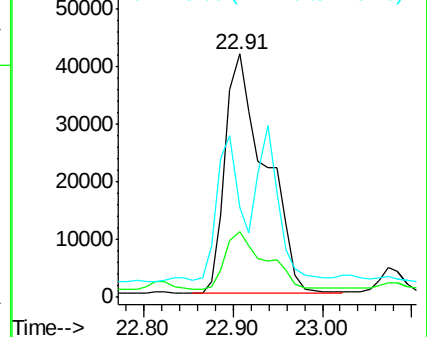
125 36.9 0.0 28.8#



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



#24

Benzo(k)fluoranthene

Concen: 0.67 ng/u1

RT: 22.91 min Scan# 1465

Delta R.T. -0.04 min

Lab File: BM003222.D

Acq: 20 Nov 2015 15:44

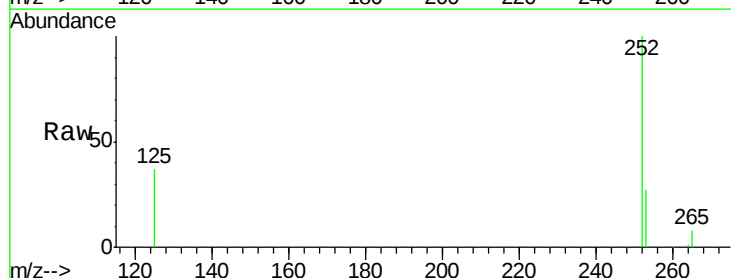
Tgt Ion:252 Resp: 129462

Ion Ratio Lower Upper

252 100

253 27.2 19.8 29.8

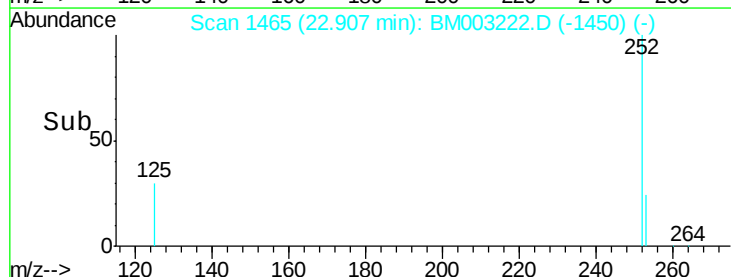
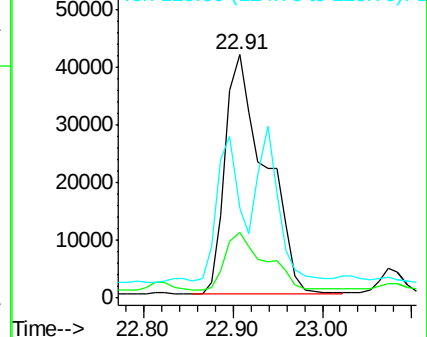
125 36.9 10.4 15.6#

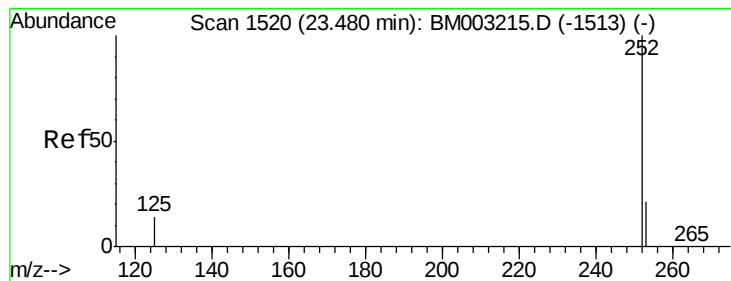


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#25

Benzo(a)pyrene

Concen: 0.32 ng/ul

RT: 23.48 min Scan# 1520

Delta R.T. 0.00 min

Lab File: BM003222.D

Acq: 20 Nov 2015 15:44

Instrument :

BNA_M

ClientSampleId :

A4HT0RX

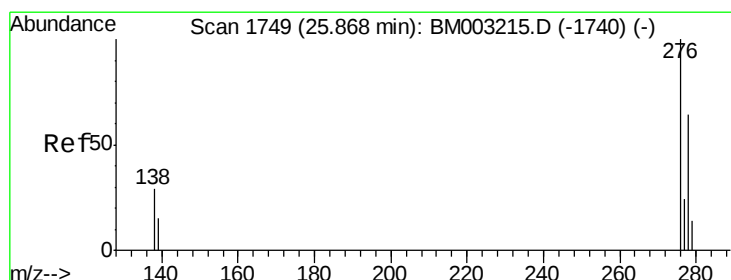
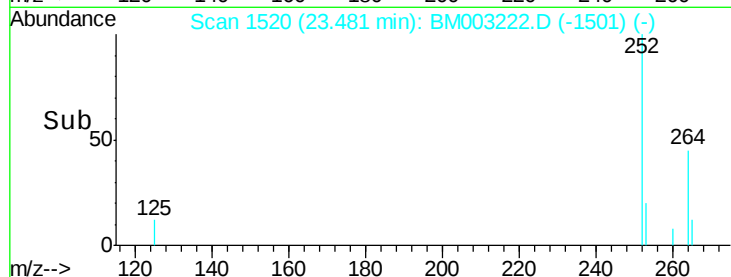
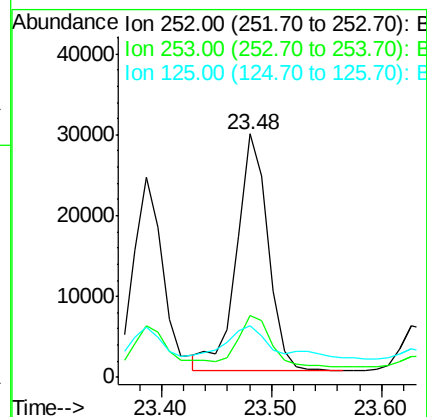
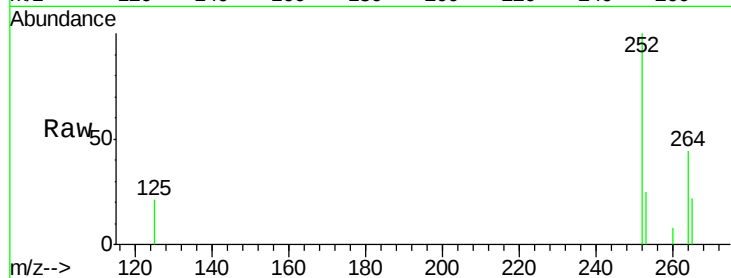
Tgt Ion:252 Resp: 57688

Ion Ratio Lower Upper

252 100

253 25.3 19.4 29.2

125 21.3 12.7 19.1#



#26

Indeno(1,2,3-cd)pyrene

Concen: 0.20 ng/ul

RT: 25.87 min Scan# 1749

Delta R.T. 0.00 min

Lab File: BM003222.D

Acq: 20 Nov 2015 15:44

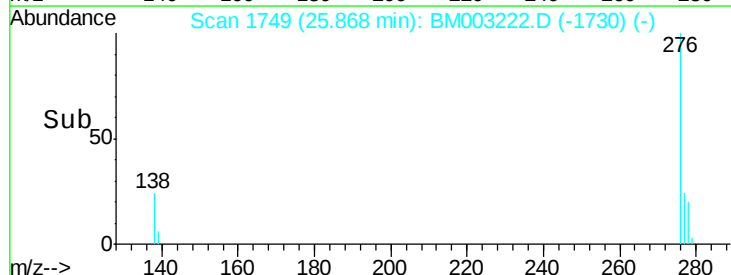
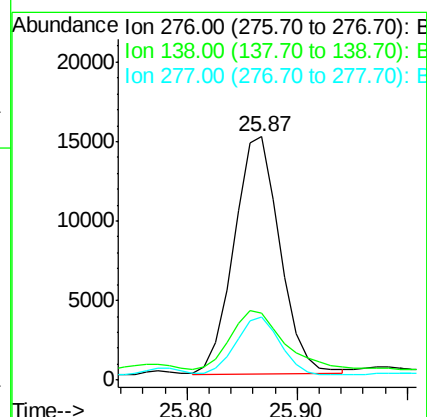
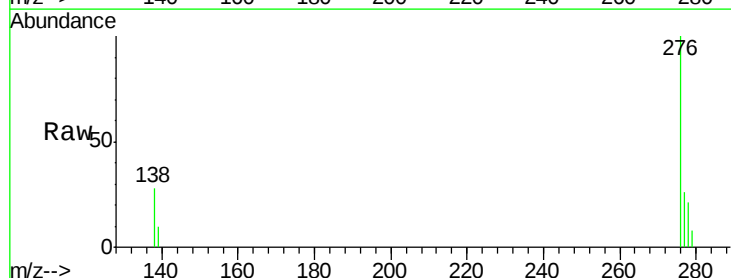
Tgt Ion:276 Resp: 43041

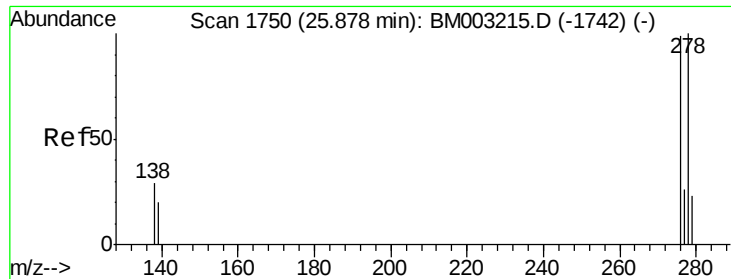
Ion Ratio Lower Upper

276 100

138 29.2 16.3 24.5#

277 23.3 19.8 29.8



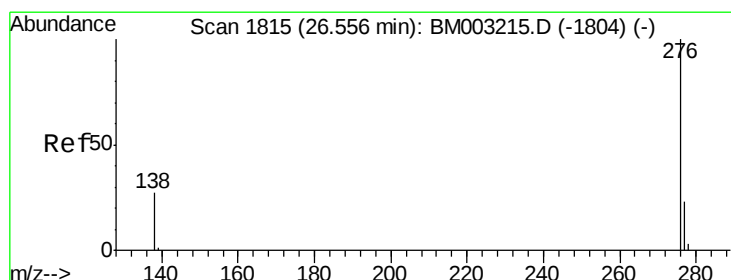
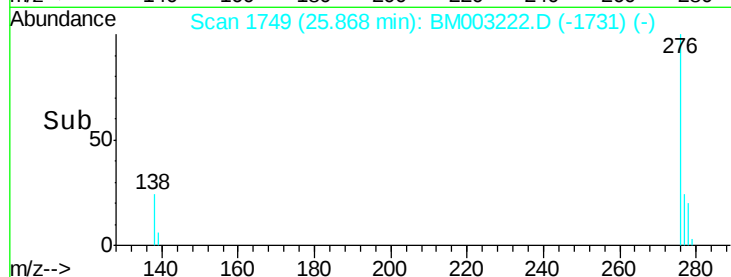
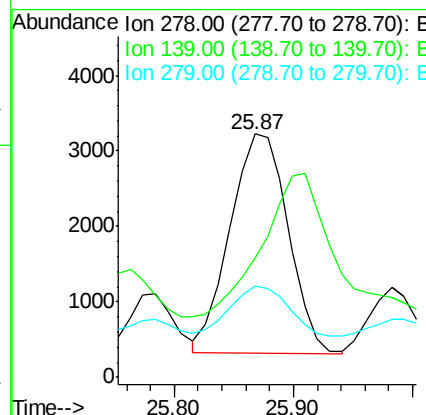
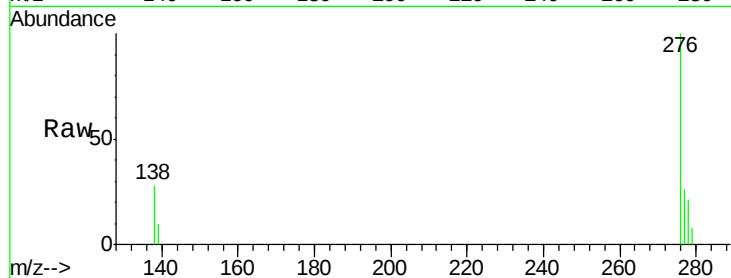


#27
Dibenzo(a,h)anthracene
Concen: 0.06 ng/ul
RT: 25.87 min Scan# 1749
Delta R.T. -0.01 min
Lab File: BM003222.D
Acq: 20 Nov 2015 15:44

Instrument :
BNA_M
ClientSampleId :
A4HT0RX

Tgt Ion: 278 Resp: 9808

Ion	Ratio	Lower	Upper
278	100		
139	49.2	16.4	24.6#
279	37.5	20.2	30.2#



#28
Benzo(g,h,i)perylene
Concen: 0.20 ng/ul
RT: 26.57 min Scan# 1816
Delta R.T. 0.01 min
Lab File: BM003222.D
Acq: 20 Nov 2015 15:44

Tgt Ion: 276 Resp: 37671

Ion	Ratio	Lower	Upper
276	100		
277	25.3	18.9	28.3
138	28.9	22.5	33.7

