

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM112015\
 Data File : BM003238.D
 Acq On : 21 Nov 2015 01:20
 Operator : UM/IZ
 Sample : G4322-22RX
 Misc :
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 A4HT1RX

Quant Time: Nov 21 04:29:11 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 04:24:04 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.74	152	12363	0.40	ng/ul	0.00
4) Naphthalene-d8	10.53	136	48108	0.40	ng/ul	0.00
8) Acenaphthene-d10	14.38	164	27182	0.40	ng/ul	0.00
12) Phenanthrene-d10	17.12	188	56973	0.40	ng/ul	0.00
18) Chrysene-d12	21.32	240	57548	0.40	ng/ul	-0.01
22) Perylene-d12	23.58	264	57174	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	49643	3.76	ng/uL	0.00
6) 2-Methylnaphthalene-d10	12.12	152	11147	0.17	ng/ul	0.00
16) Fluoranthene-d10	19.17	212	13981	0.10	ng/ul	0.00

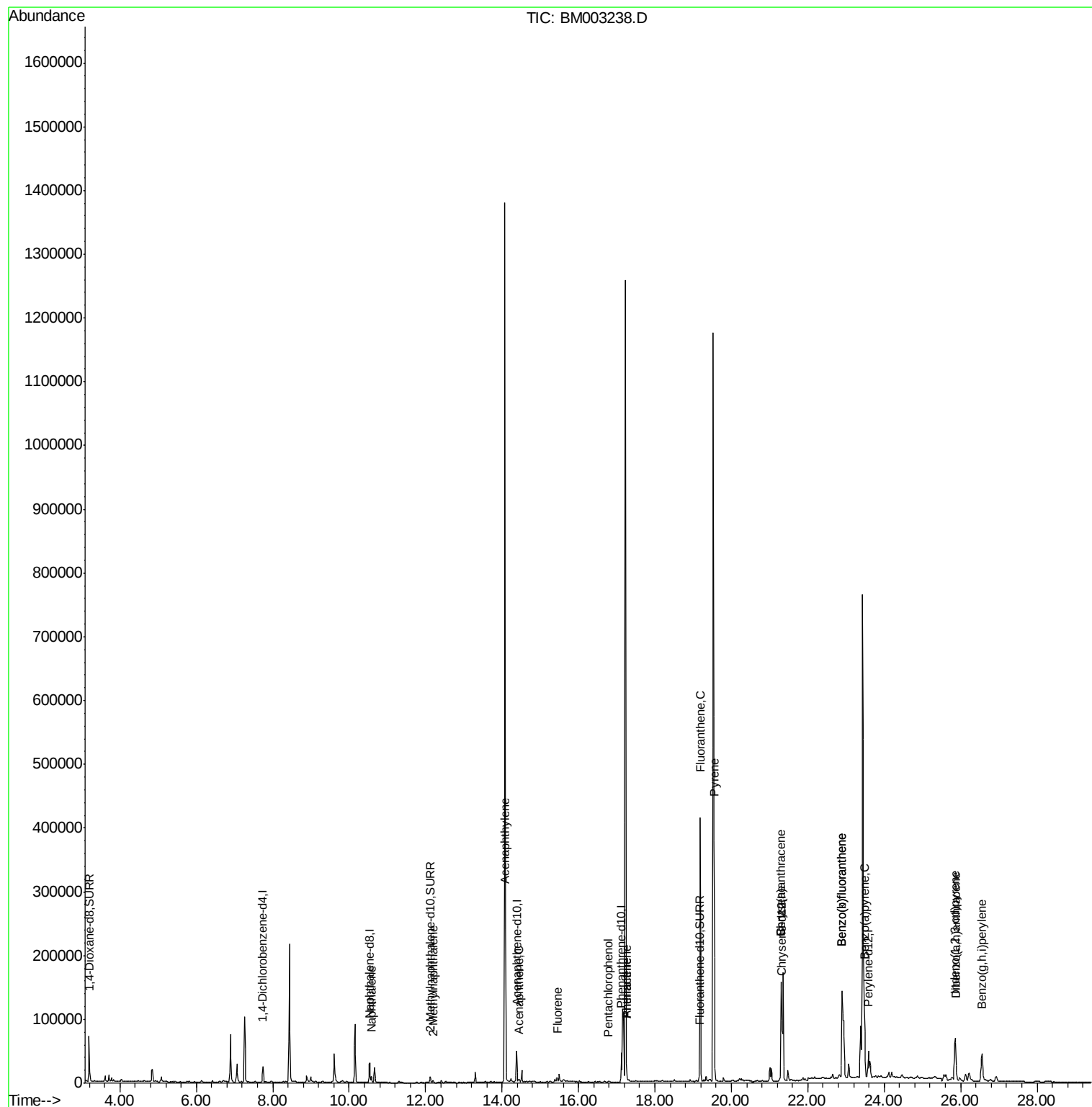
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Naphthalene	10.57	128	12637	0.10	ng/ul#	94
7) 2-Methylnaphthalene	12.19	142	2218	0.03	ng/ul#	100
9) Acenaphthylene	14.09	152	15503	0.14	ng/ul	98
10) Acenaphthene	14.43	153	3703	0.04	ng/ul#	77
11) Fluorene	15.44	166	5892	0.06	ng/ul#	94
13) Pentachlorophenol	16.78	266	1016	0.08	ng/ul	94
14) Phenanthrene	17.26	178	26885	0.16	ng/ul	98
15) Anthracene	17.26	178	28865	0.21	ng/ul	98
17) Fluoranthene	19.19	202	367018	2.00	ng/ul	99
19) Pyrene	19.55	202	322852	1.64	ng/ul	99
20) Benzo(a)anthracene	21.30	228	148385	0.89	ng/ul#	89
21) Chrysene	21.30	228	147704	0.79	ng/ul	93
23) Benzo(b)fluoranthene	22.90	252	313636	1.44	ng/ul	96
24) Benzo(k)fluoranthene	22.90	252	313636	1.53	ng/ul#	92
25) Benzo(a)pyrene	23.48	252	150388	0.78	ng/ul	98
26) Indeno(1,2,3-cd)pyrene	25.86	276	108684	0.47	ng/ul#	93
27) Dibenzo(a,h)anthracene	25.87	278	25609	0.14	ng/ul#	81
28) Benzo(g,h,i)perylene	26.56	276	92728	0.46	ng/ul	99

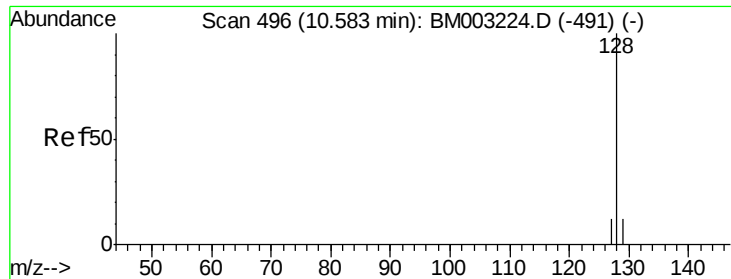
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#5

Naphthalene

Concen: 0.10 ng/ul

RT: 10.57 min Scan# 495

Delta R.T. -0.01 min

Lab File: BM003238.D

Acq: 21 Nov 2015 01:20

Instrument :

BNA_M

ClientSampleId :

A4HT1RX

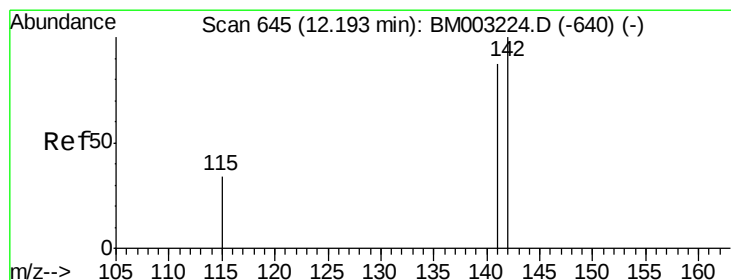
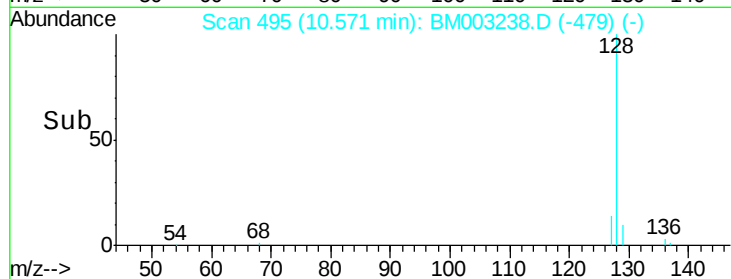
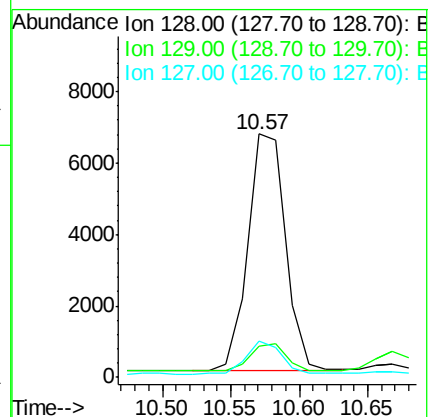
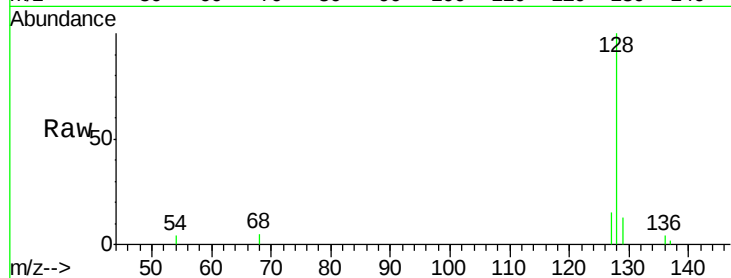
Tgt Ion:128 Resp: 12637

Ion Ratio Lower Upper

128 100

129 12.8 9.0 13.6

127 14.9 9.6 14.4#



#7

2-Methylnaphthalene

Concen: 0.03 ng/ul

RT: 12.19 min Scan# 645

Delta R.T. -0.00 min

Lab File: BM003238.D

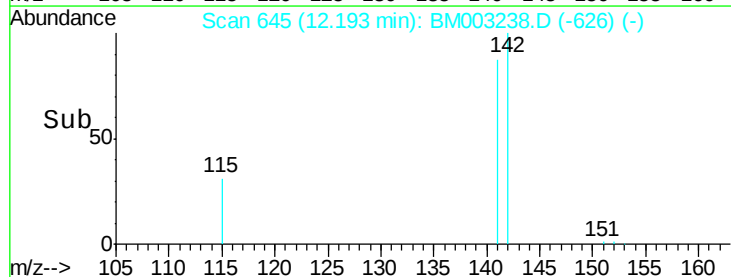
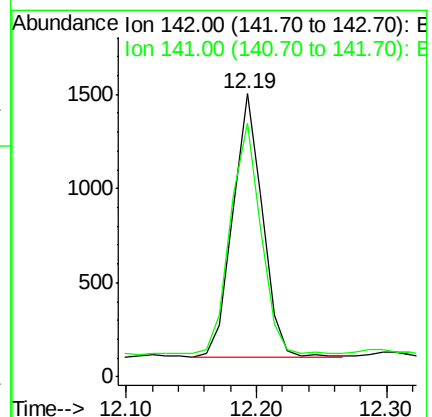
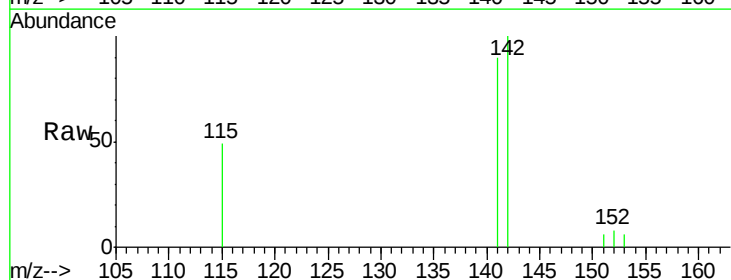
Acq: 21 Nov 2015 01:20

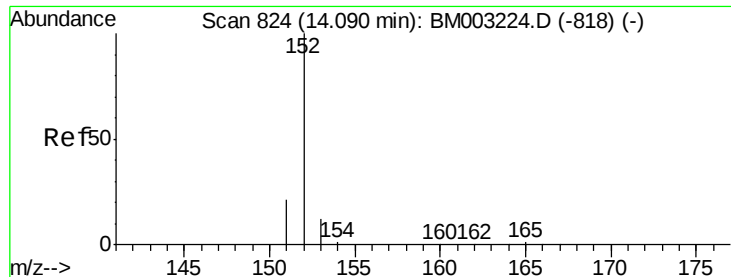
Tgt Ion:142 Resp: 2218

Ion Ratio Lower Upper

142 100

141 91.6 0.0 0.0#





#9

Acenaphthylene

Concen: 0.14 ng/ul

RT: 14.09 min Scan# 824

Delta R.T. -0.00 min

Lab File: BM003238.D

Acq: 21 Nov 2015 01:20

Instrument :

BNA_M

ClientSampleId :

A4HT1RX

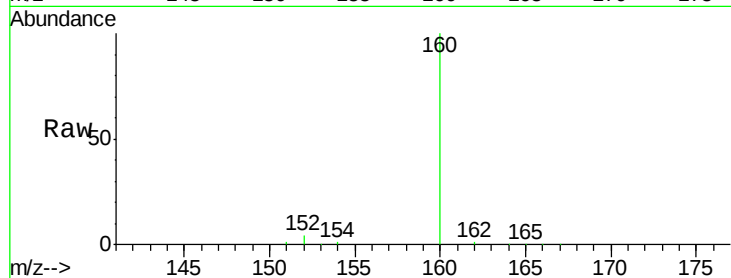
Tgt Ion:152 Resp: 15503

Ion Ratio Lower Upper

152 100

151 22.6 17.6 26.4

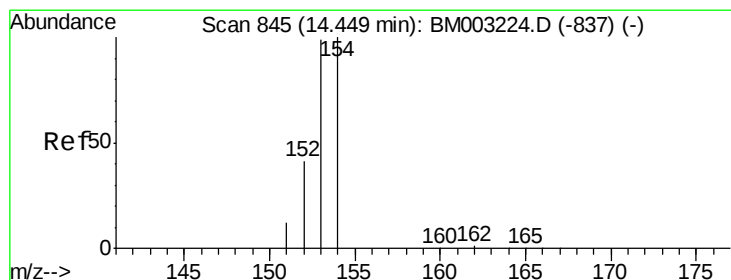
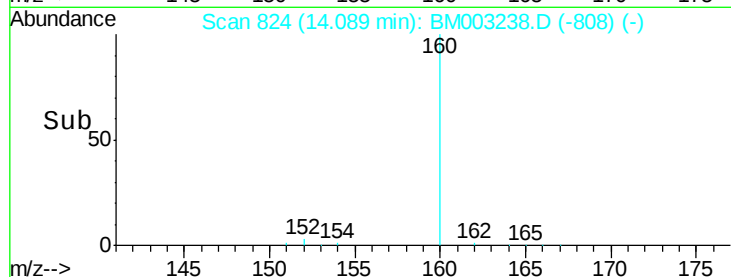
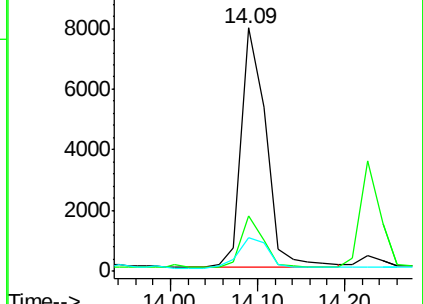
153 13.9 9.7 14.5



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: 0.04 ng/ul

RT: 14.43 min Scan# 844

Delta R.T. -0.02 min

Lab File: BM003238.D

Acq: 21 Nov 2015 01:20

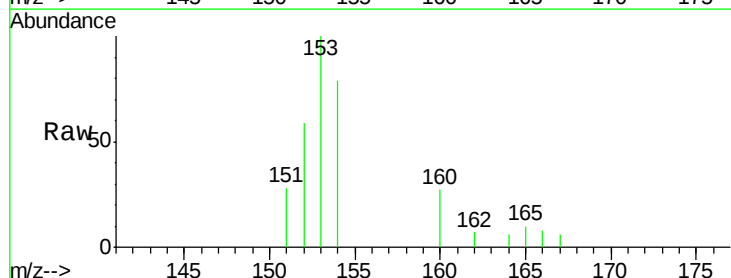
Tgt Ion:153 Resp: 3703

Ion Ratio Lower Upper

153 100

152 58.7 33.9 50.9#

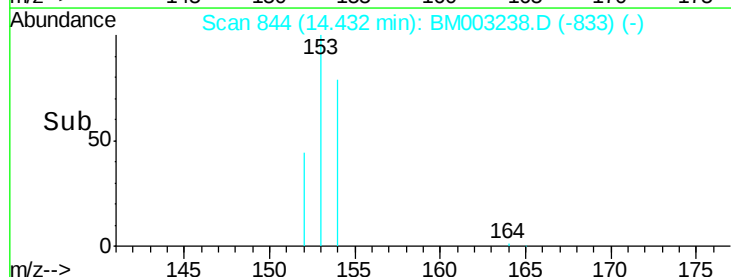
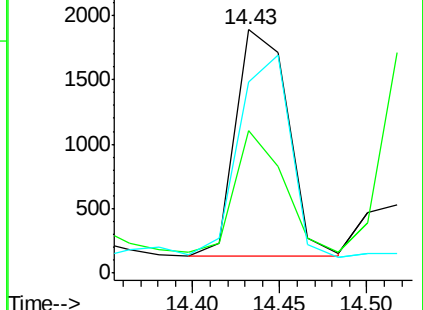
154 78.7 80.6 121.0#

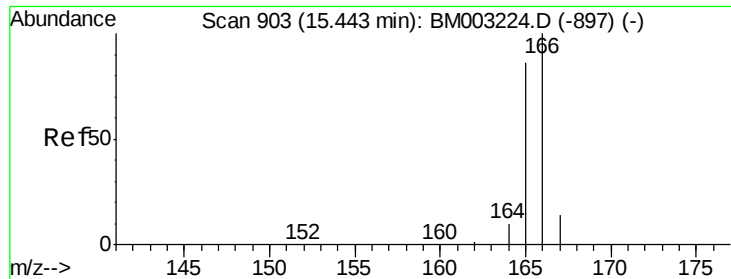


Abundance Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

Ion 154.00 (153.70 to 154.70): E





#11

Fluorene

Concen: 0.06 ng/ul

RT: 15.44 min Scan# 903

Delta R.T. -0.00 min

Lab File: BM003238.D

Acq: 21 Nov 2015 01:20

Instrument :

BNA_M

ClientSampleId :

A4HT1RX

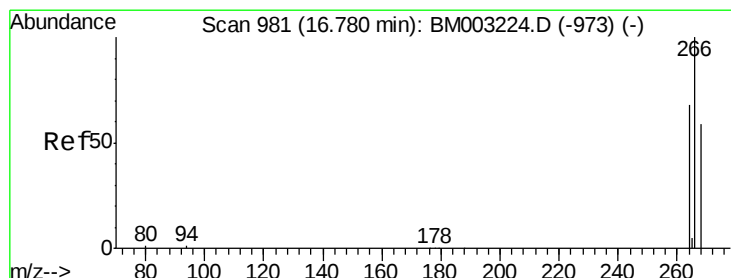
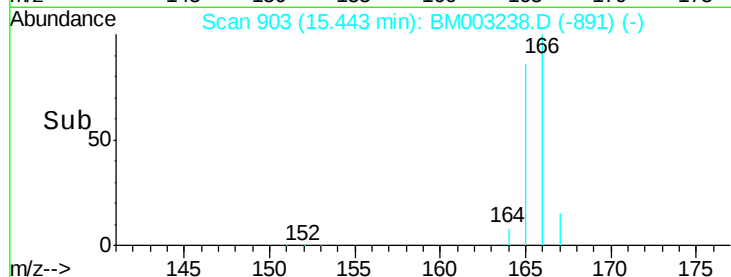
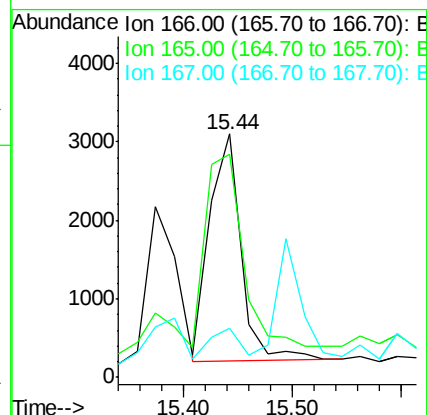
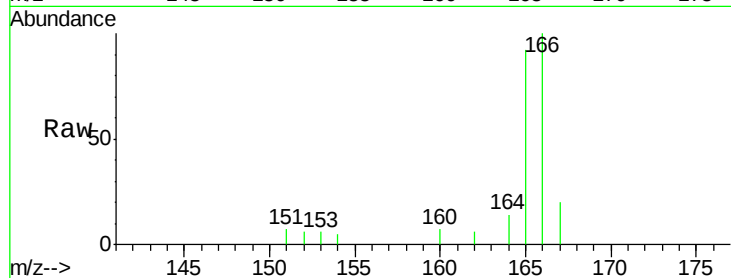
Tgt Ion:166 Resp: 5892

Ion Ratio Lower Upper

166 100

165 91.9 69.6 104.4

167 20.0 11.9 17.9#



#13

Pentachlorophenol

Concen: 0.08 ng/ul

RT: 16.78 min Scan# 981

Delta R.T. -0.00 min

Lab File: BM003238.D

Acq: 21 Nov 2015 01:20

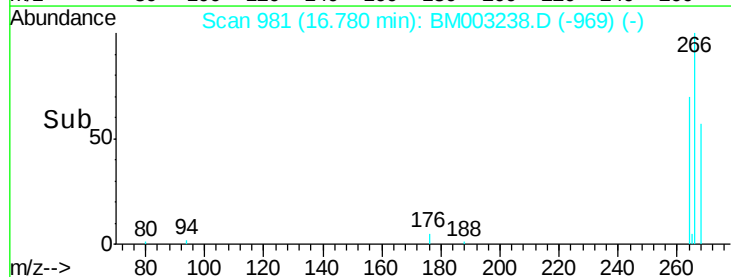
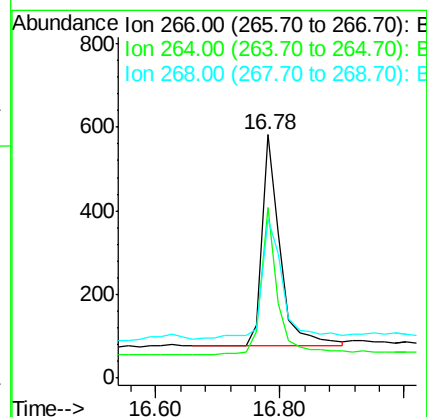
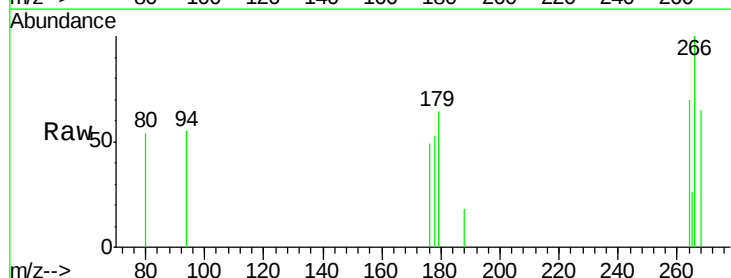
Tgt Ion:266 Resp: 1016

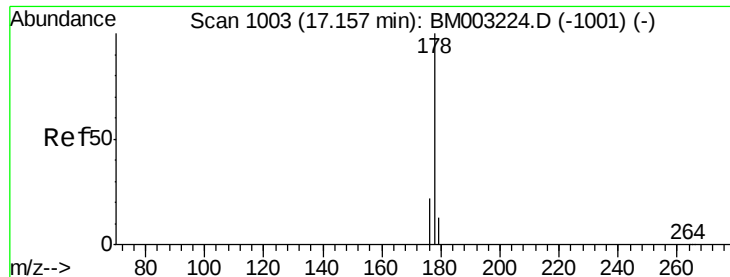
Ion Ratio Lower Upper

266 100

264 64.7 51.8 77.8

268 67.3 46.8 70.2





#14

Phenanthrene

Concen: 0.16 ng/ul

RT: 17.26 min Scan# 1009

Delta R.T. 0.10 min

Lab File: BM003238.D

Acq: 21 Nov 2015 01:20

Instrument :

BNA_M

ClientSampleId :

A4HT1RX

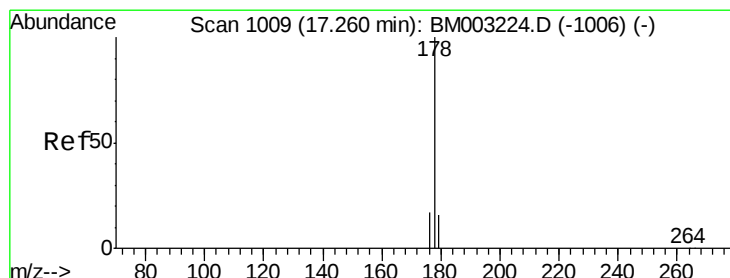
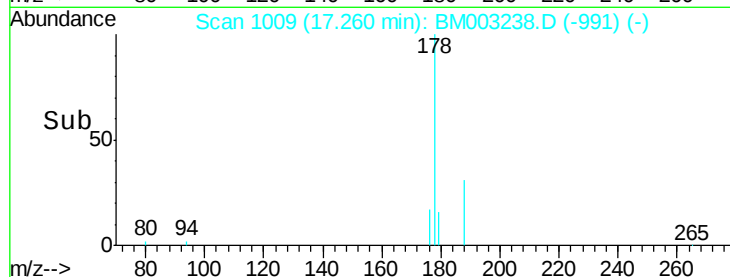
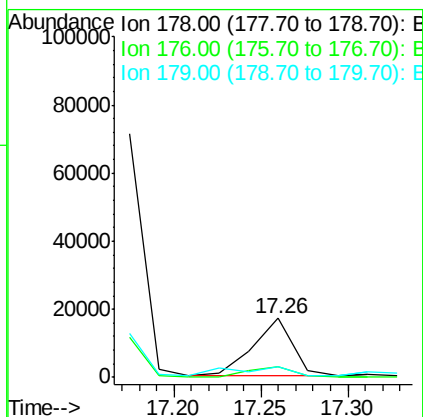
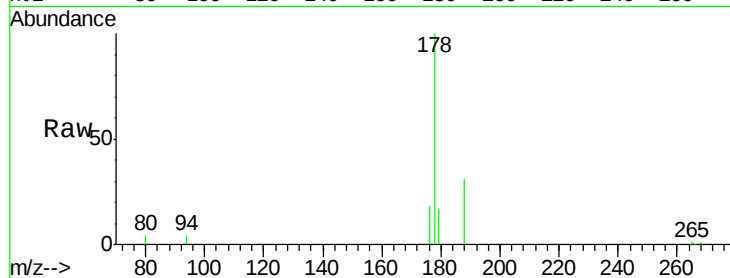
Tgt Ion:178 Resp: 26885

Ion Ratio Lower Upper

178 100

176 17.8 13.0 19.4

179 17.4 14.2 21.2



#15

Anthracene

Concen: 0.21 ng/ul

RT: 17.26 min Scan# 1009

Delta R.T. -0.00 min

Lab File: BM003238.D

Acq: 21 Nov 2015 01:20

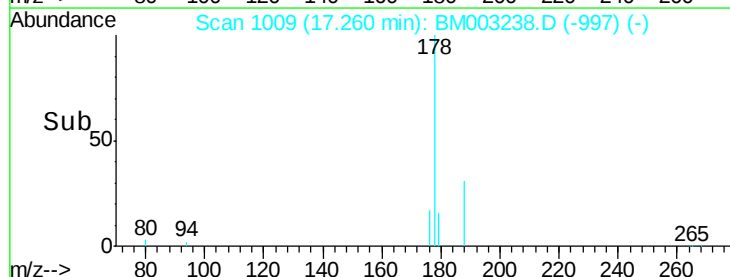
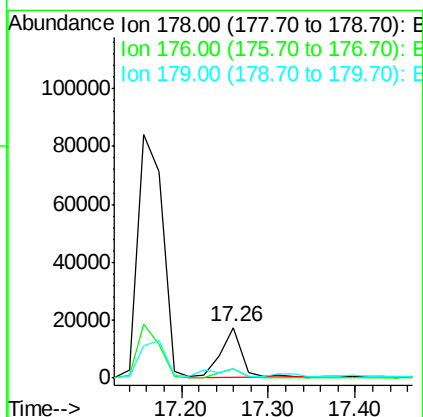
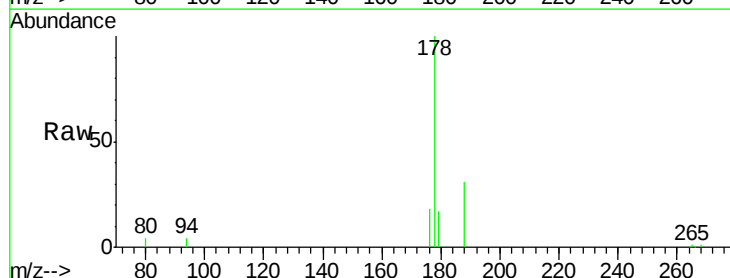
Tgt Ion:178 Resp: 28865

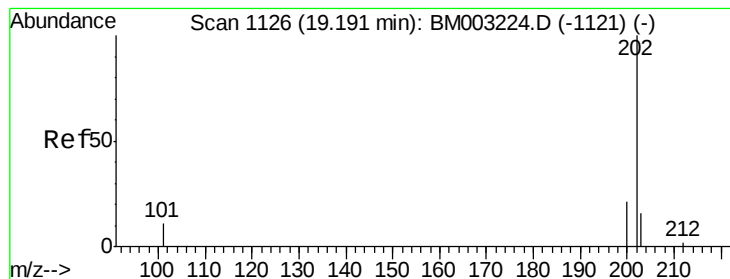
Ion Ratio Lower Upper

178 100

176 17.8 14.0 21.0

179 17.4 12.9 19.3





#17

Fluoranthene

Concen: 2.00 ng/ul

RT: 19.19 min Scan# 1126

Delta R.T. -0.00 min

Lab File: BM003238.D

Acq: 21 Nov 2015 01:20

Instrument :

BNA_M

ClientSampleId :

A4HT1RX

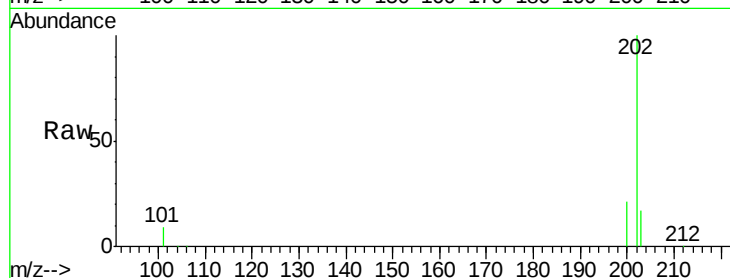
Tgt Ion:202 Resp: 367018

Ion Ratio Lower Upper

202 100

101 9.2 0.0 29.6

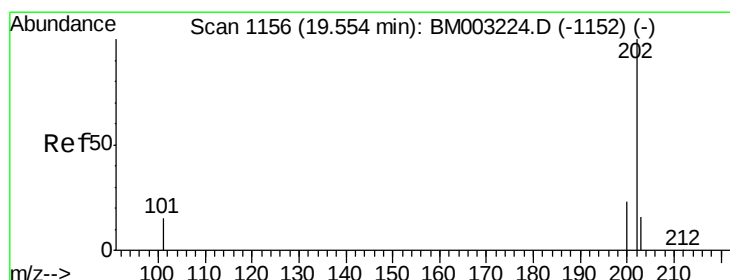
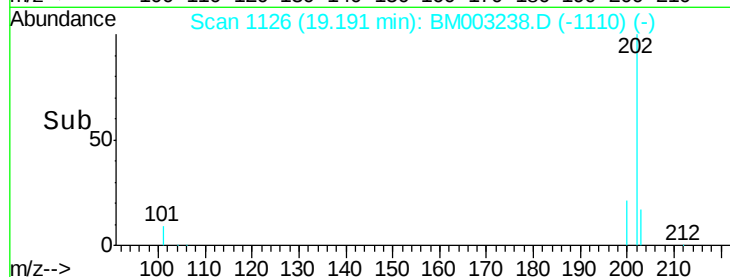
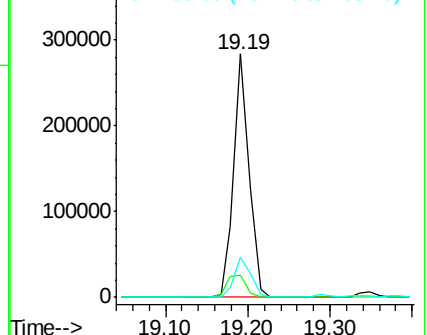
203 16.7 0.0 36.3



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: 1.64 ng/ul

RT: 19.55 min Scan# 1156

Delta R.T. -0.00 min

Lab File: BM003238.D

Acq: 21 Nov 2015 01:20

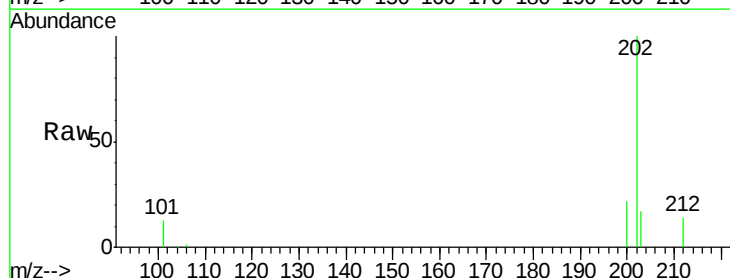
Tgt Ion:202 Resp: 322852

Ion Ratio Lower Upper

202 100

200 21.8 17.8 26.8

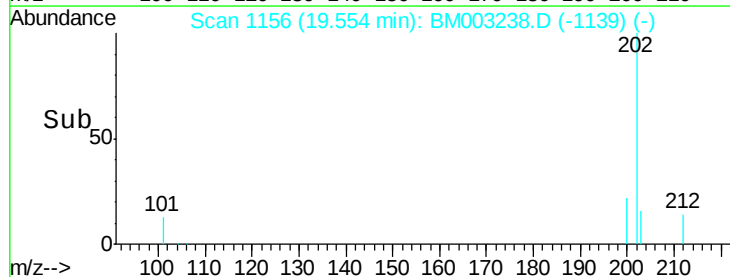
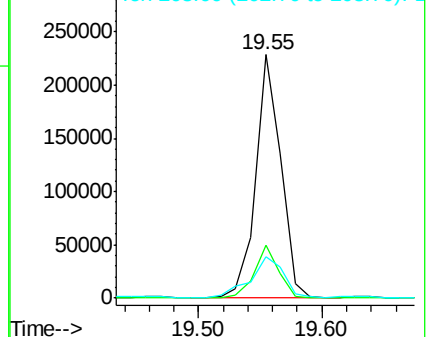
203 16.9 12.8 19.2

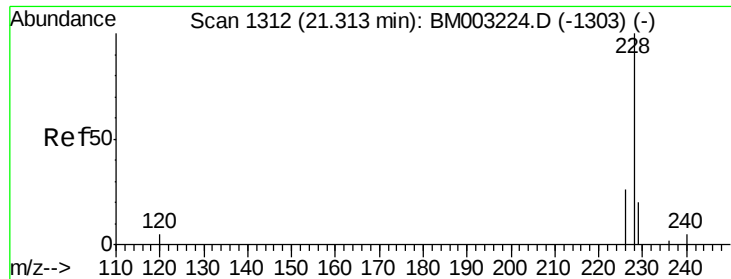


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#20

Benzo(a)anthracene

Concen: 0.89 ng/ul

RT: 21.30 min Scan# 1311

Delta R.T. -0.01 min

Lab File: BM003238.D

Acq: 21 Nov 2015 01:20

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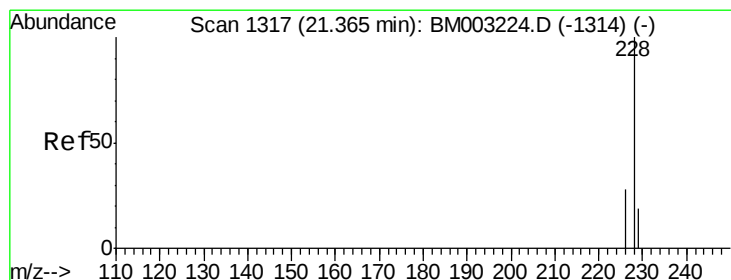
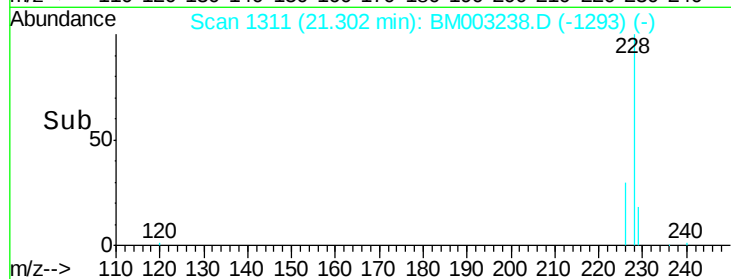
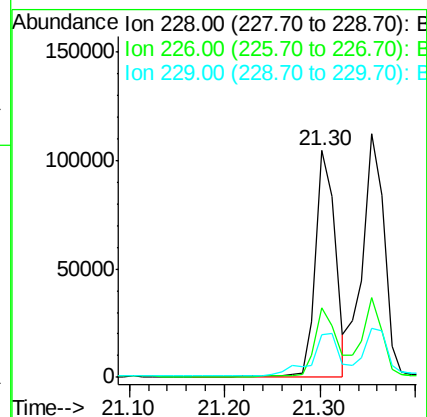
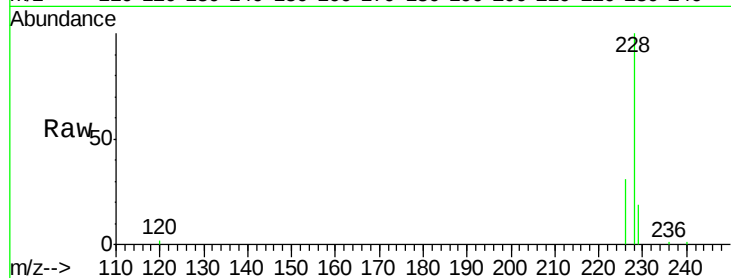
Tgt Ion:228 Resp: 148385

Ion Ratio Lower Upper

228 100

226 30.6 18.8 28.2#

229 18.5 17.1 25.7



#21

Chrysene

Concen: 0.79 ng/ul

RT: 21.30 min Scan# 1311

Delta R.T. -0.06 min

Lab File: BM003238.D

Acq: 21 Nov 2015 01:20

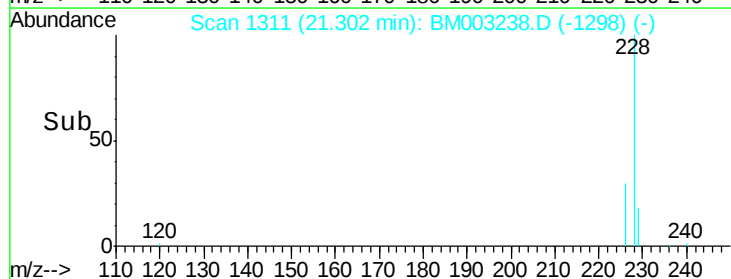
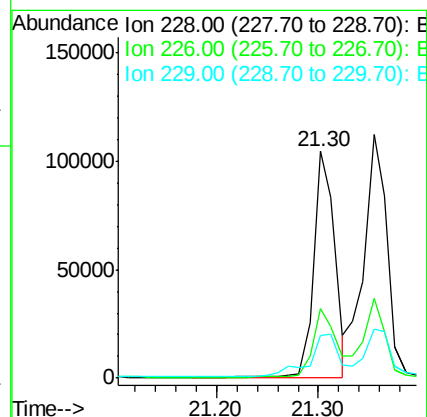
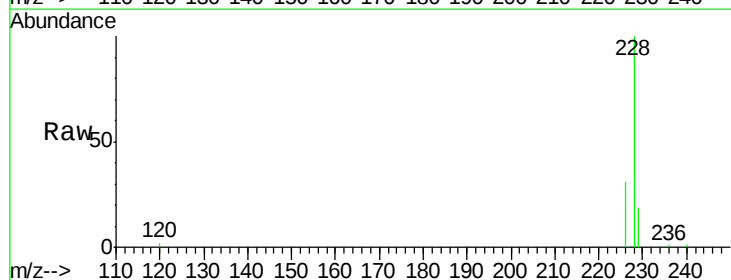
Tgt Ion:228 Resp: 147704

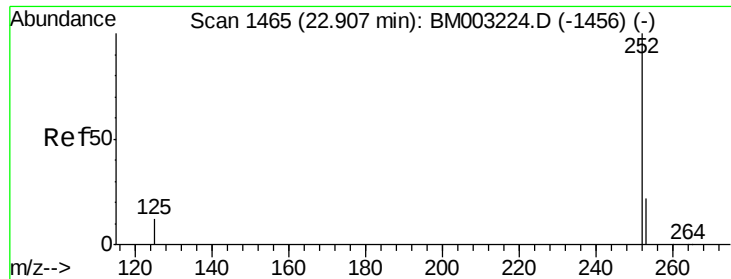
Ion Ratio Lower Upper

228 100

226 30.6 21.2 31.8

229 18.5 17.0 25.6





#23

Benzo(b)fluoranthene

Concen: 1.44 ng/u1

RT: 22.90 min Scan# 1464

Delta R.T. -0.01 min

Lab File: BM003238.D

Acq: 21 Nov 2015 01:20

Instrument :

BNA_M

ClientSampleId :

A4HT1RX

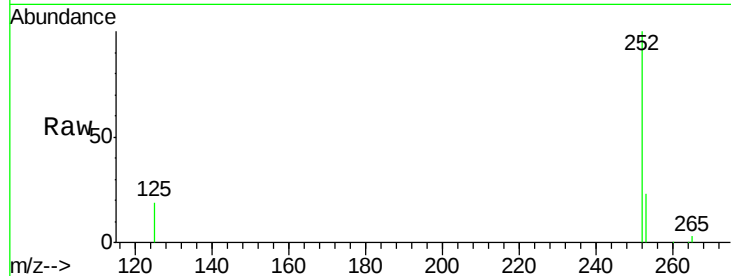
Tgt Ion:252 Resp: 313636

Ion Ratio Lower Upper

252 100

253 22.9 0.0 45.4

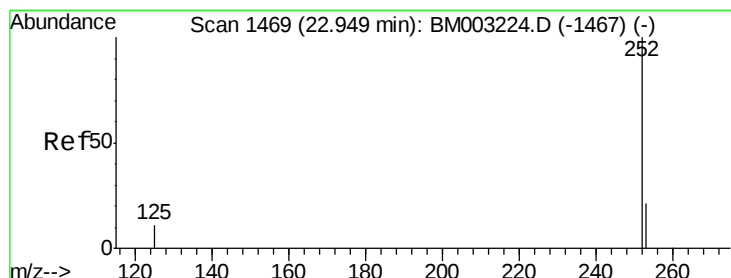
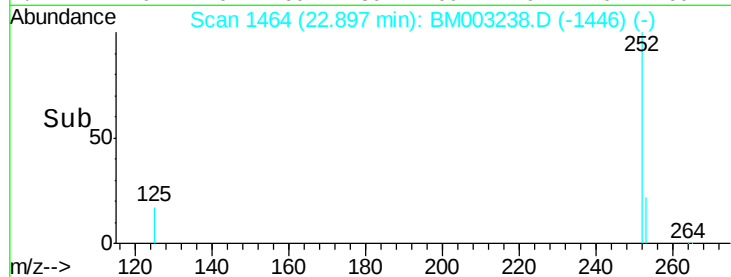
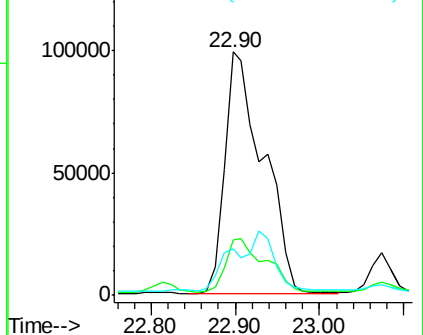
125 18.9 0.0 28.8



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: 1.53 ng/u1

RT: 22.90 min Scan# 1464

Delta R.T. -0.05 min

Lab File: BM003238.D

Acq: 21 Nov 2015 01:20

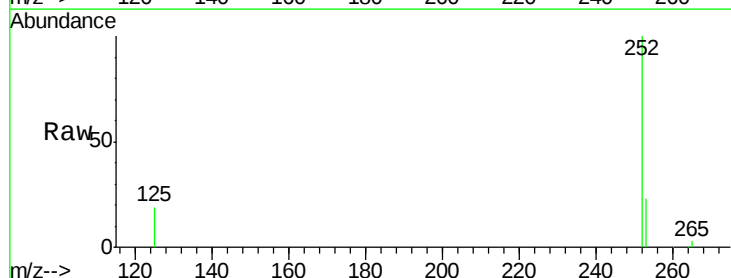
Tgt Ion:252 Resp: 313636

Ion Ratio Lower Upper

252 100

253 22.9 19.8 29.8

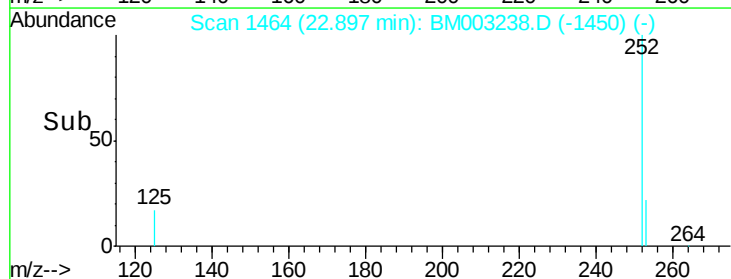
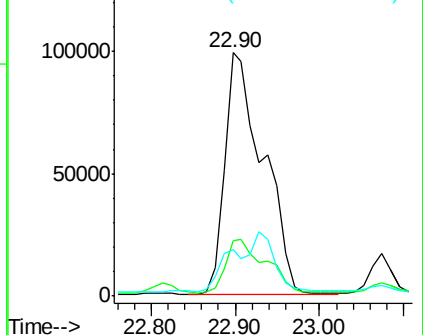
125 18.9 10.4 15.6#

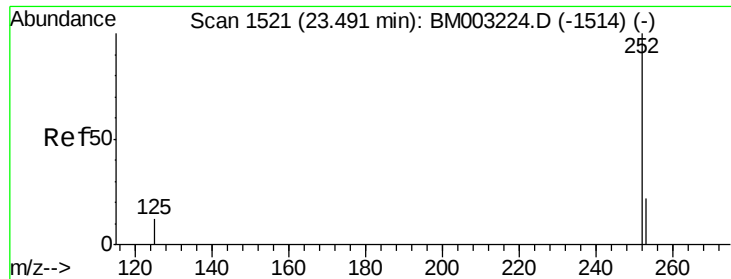


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#25

Benzo(a)pyrene

Concen: 0.78 ng/ul

RT: 23.48 min Scan# 1520

Delta R.T. -0.01 min

Lab File: BM003238.D

Acq: 21 Nov 2015 01:20

Instrument :

BNA_M

ClientSampleId :

A4HT1RX

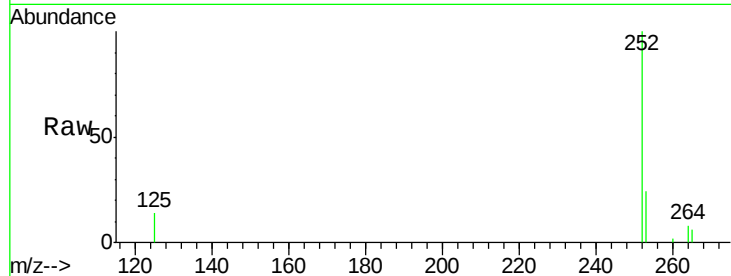
Tgt Ion:252 Resp: 150388

Ion Ratio Lower Upper

252 100

253 23.7 19.4 29.2

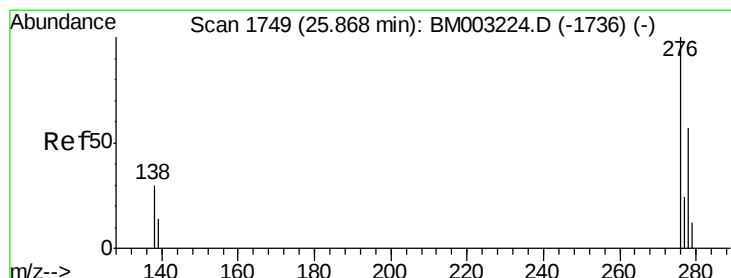
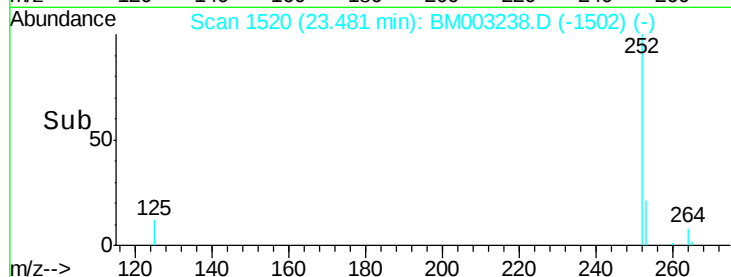
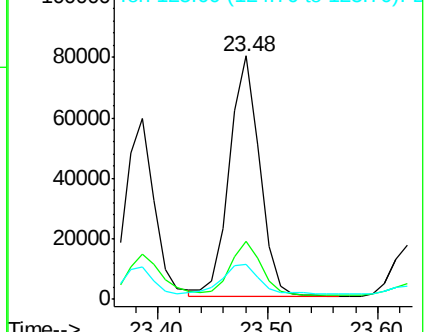
125 14.2 12.7 19.1



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



#26

Indeno(1,2,3-cd)pyrene

Concen: 0.47 ng/ul

RT: 25.86 min Scan# 1748

Delta R.T. -0.01 min

Lab File: BM003238.D

Acq: 21 Nov 2015 01:20

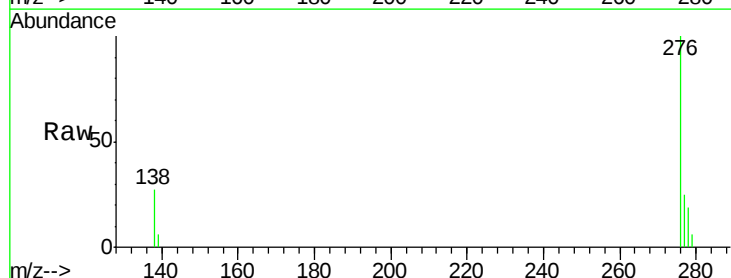
Tgt Ion:276 Resp: 108684

Ion Ratio Lower Upper

276 100

138 26.1 16.3 24.5#

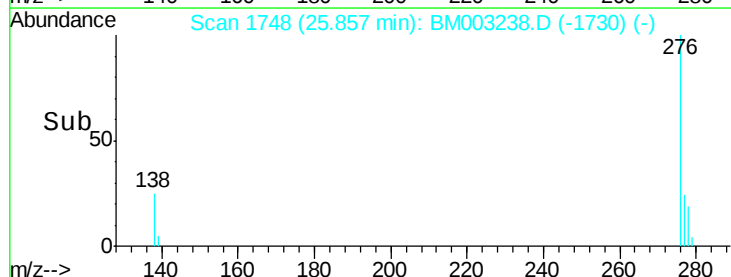
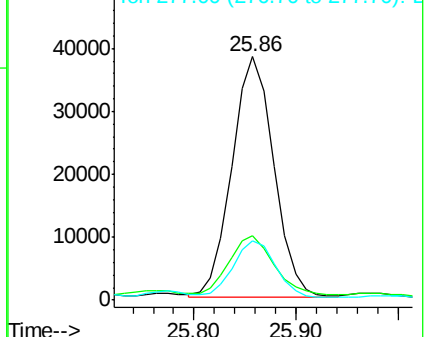
277 23.9 19.8 29.8

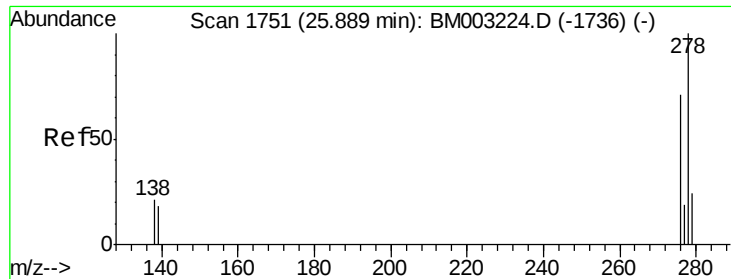


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E

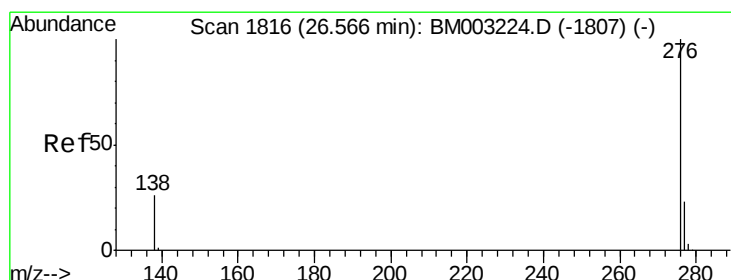
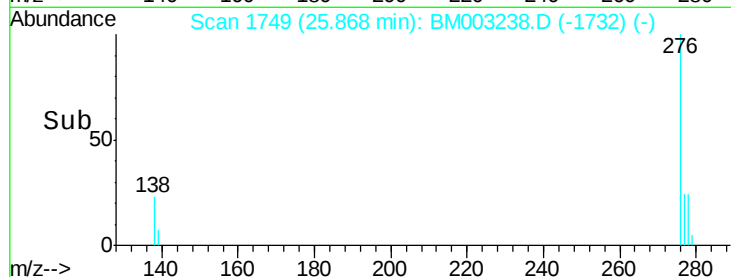
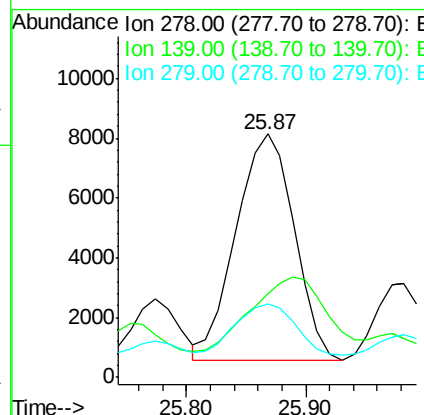
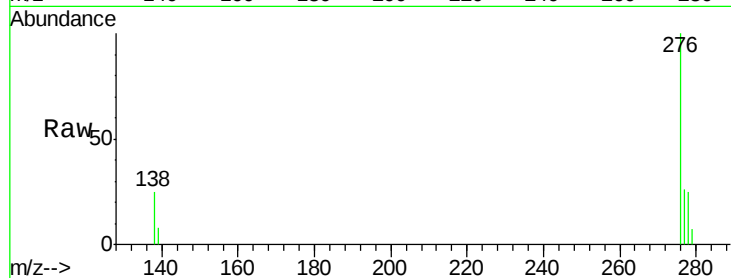




#27
Dibenzo(a,h)anthracene
Concen: 0.14 ng/ul
RT: 25.87 min Scan# 1749
Delta R.T. -0.02 min
Lab File: BM003238.D
Acq: 21 Nov 2015 01:20

Instrument :
BNA_M
ClientSampleId :
A4HT1RX

Tgt Ion: 278 Resp: 25609
Ion Ratio Lower Upper
278 100
139 34.2 16.4 24.6#
279 30.3 20.2 30.2#



#28
Benzo(g,h,i)perylene
Concen: 0.46 ng/ul
RT: 26.56 min Scan# 1815
Delta R.T. -0.01 min
Lab File: BM003238.D
Acq: 21 Nov 2015 01:20

Tgt Ion: 276 Resp: 92728
Ion Ratio Lower Upper
276 100
277 24.2 18.9 28.3
138 27.6 22.5 33.7

