

Data Path : Z:\HPCHEM1\BNA M\DATA\BM121515\
 Data File : BM003551.D
 Acq On : 15 Dec 2015 16:35
 Operator : UM/IZ
 Sample : SSTD0.449
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :

Quant Time: Dec 15 17:38:50 2015
 Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM02.2-EPA-SIM-BM121515.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Nov 23 11:49:00 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.71	152	5393	0.40	ng/ul	-0.03
4) Naphthalene-d8	10.50	136	20247	0.40	ng/ul	-0.03
8) Acenaphthene-d10	14.37	164	10517	0.40	ng/ul	-0.01
12) Phenanthrene-d10	17.11	188	23316	0.40	ng/ul	-0.01
18) Chrysene-d12	21.31	240	24195	0.40	ng/ul	0.00
22) Perylene-d12	23.57	264	16861	0.40	ng/ul	-0.02

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
2) 1,4-Dioxane-d8	3.18	96	4644	0.81	ng/uL	-0.01
6) 2-Methylnaphthalene-d10	12.10	152	9834	0.36	ng/ul	-0.02
16) Fluoranthene-d10	19.14	212	20489	0.36	ng/ul	-0.02

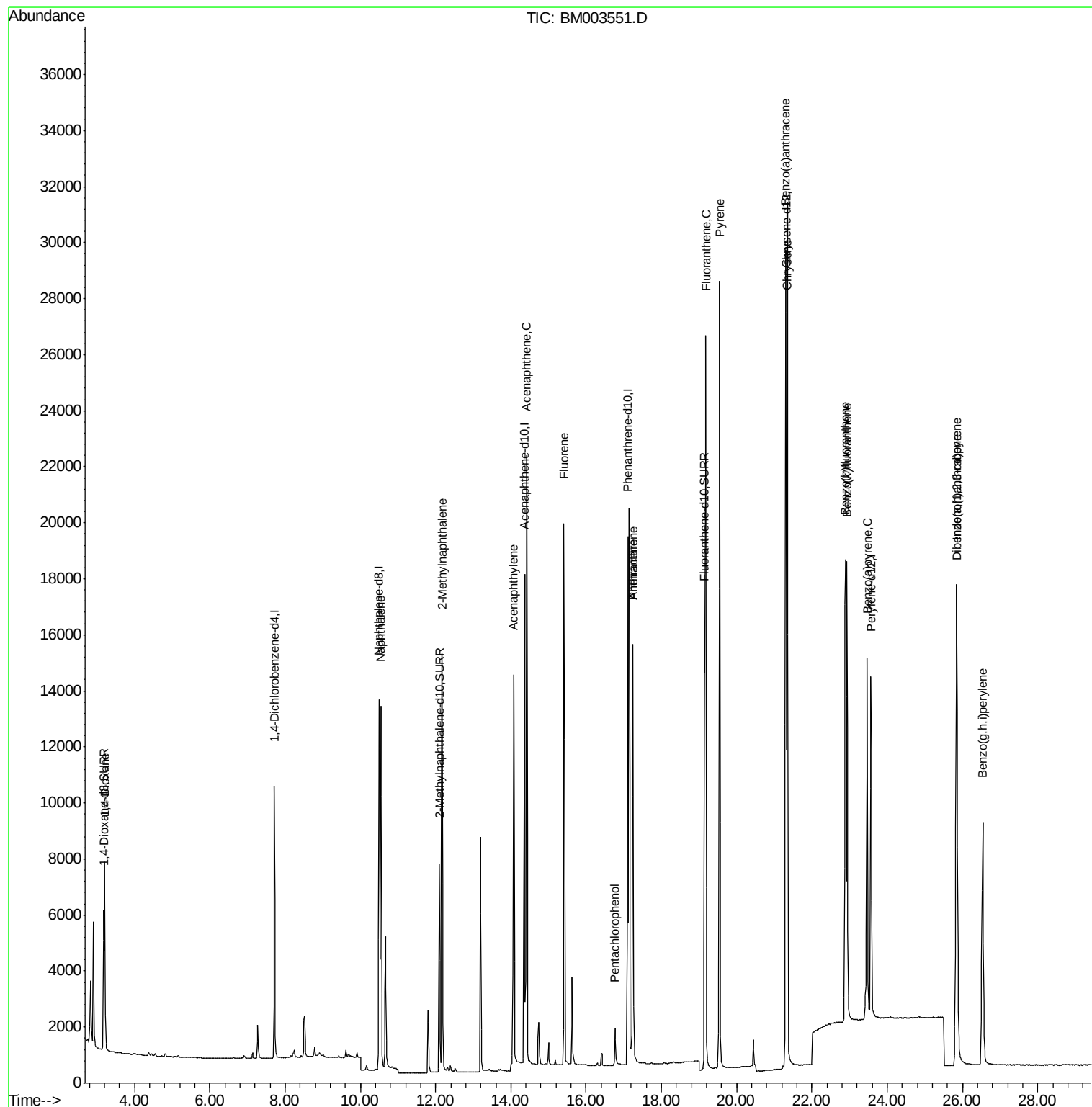
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
3) 1,4-Dioxane	3.21	88	5819	0.89	ng/ul#	100
5) Naphthalene	10.55	128	18499	0.36	ng/ul	97
7) 2-Methylnaphthalene	12.17	142	12587	0.37	ng/ul	99
9) Acenaphthylene	14.07	152	16182	0.37	ng/ul	96
10) Acenaphthene	14.42	153	13361	0.36	ng/ul#	83
11) Fluorene	15.41	166	14928	0.37	ng/ul#	78
13) Pentachlorophenol	16.76	266	1295	0.24	ng/ul	96
14) Phenanthrene	17.24	178	20365	0.30	ng/ul	98
15) Anthracene	17.24	178	21193	0.37	ng/ul	98
17) Fluoranthene	19.18	202	27265	0.36	ng/ul	94
19) Pyrene	19.54	202	27560	0.33	ng/ul	95
20) Benzo(a)anthracene	21.29	228	24218	0.35	ng/ul	94
21) Chrysene	21.35	228	26067	0.33	ng/ul	94
23) Benzo(b)fluoranthene	22.89	252	23849	0.37	ng/ul	94
24) Benzo(k)fluoranthene	22.93	252	20553	0.34	ng/ul	100
25) Benzo(a)pyrene	23.46	252	19577	0.34	ng/ul	98
26) Indeno(1,2,3-cd)pyrene	25.84	276	21232	0.31	ng/ul#	91
27) Dibenzo(a,h)anthracene	25.85	278	17139	0.31	ng/ul	98
28) Benzo(g,h,i)perylene	26.54	276	18391	0.31	ng/ul	97

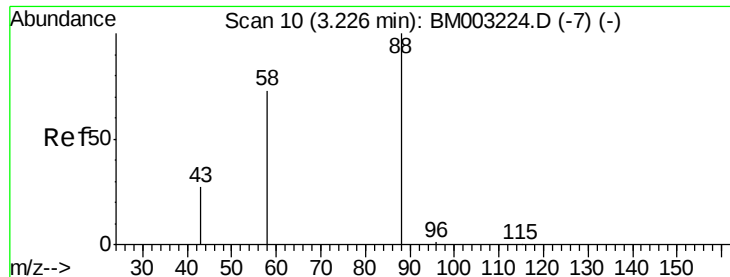
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Mon Nov 23 11:49:00 2015
Response via : Initial Calibration





#3

1,4-Dioxane

Concen: 0.89 ng/ul

RT: 3.21 min Scan# 35

Delta R.T. -0.01 min

Lab File: BM003551.D

Acq: 15 Dec 2015 16:35

Instrument :

BNA_M

ClientSampleId :

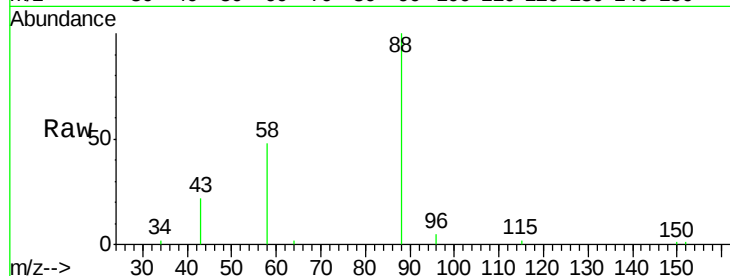
Tot Ion: 88 Resp: 5819

Ion Ratio Lower Upper

88 100

58 58.1 0.0 0.0#

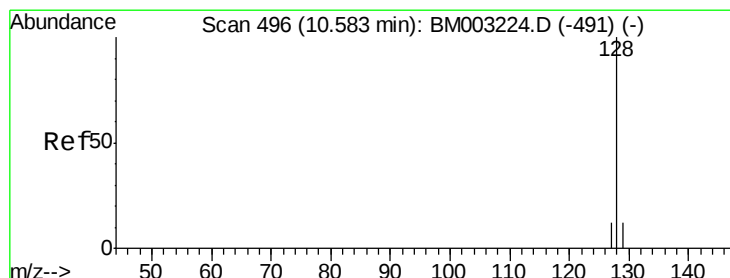
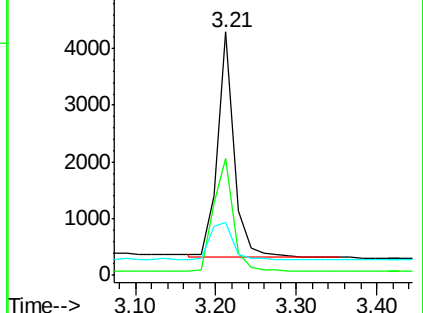
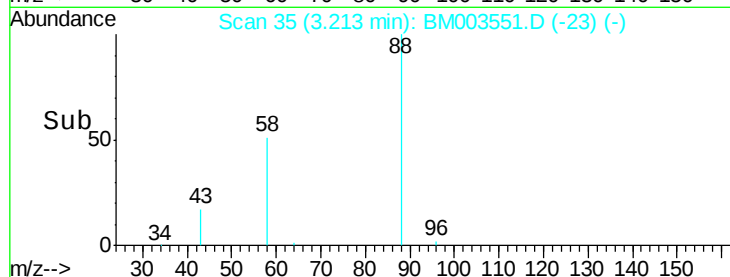
43 23.0 0.0 0.0#



Abundance Ion 88.00 (87.70 to 88.70): BM003551.D (-23) (-)

Ion 58.00 (57.70 to 58.70): BM003551.D (-23) (-)

Ion 43.00 (42.70 to 43.70): BM003551.D (-23) (-)



#5

Naphthalene

Concen: 0.36 ng/ul

RT: 10.55 min Scan# 519

Delta R.T. -0.02 min

Lab File: BM003551.D

Acq: 15 Dec 2015 16:35

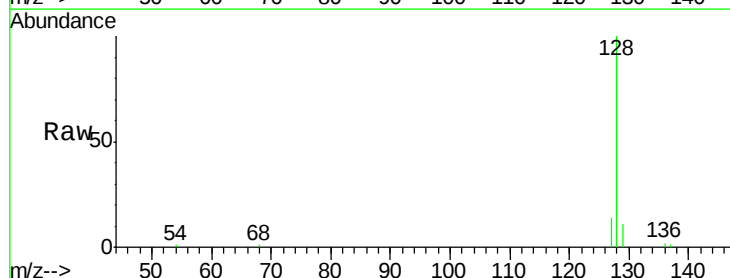
Tgt Ion: 128 Resp: 18499

Ion Ratio Lower Upper

128 100

129 11.1 9.0 13.6

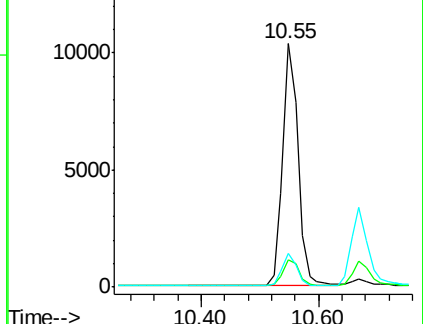
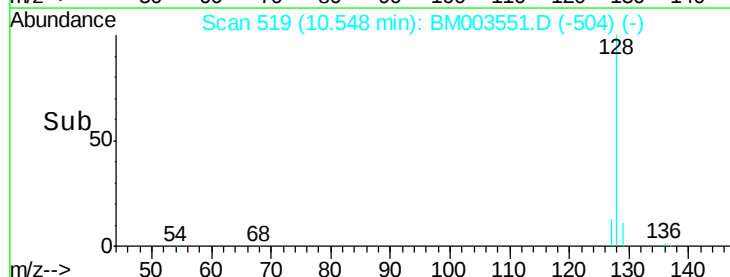
127 13.8 9.6 14.4

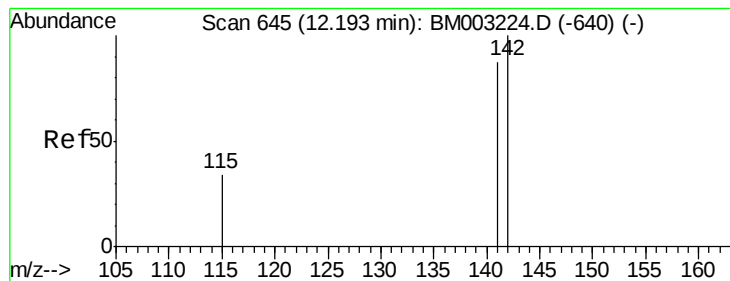


Abundance Ion 128.00 (127.70 to 128.70): BM003551.D (-504) (-)

Ion 129.00 (128.70 to 129.70): BM003551.D (-504) (-)

Ion 127.00 (126.70 to 127.70): BM003551.D (-504) (-)





#7

2-Methylnaphthalene

Concen: 0.37 ng/ul

RT: 12.17 min Scan# 669

Delta R.T. -0.02 min

Lab File: BM003551.D

Acq: 15 Dec 2015 16:35

Instrument :

BNA_M

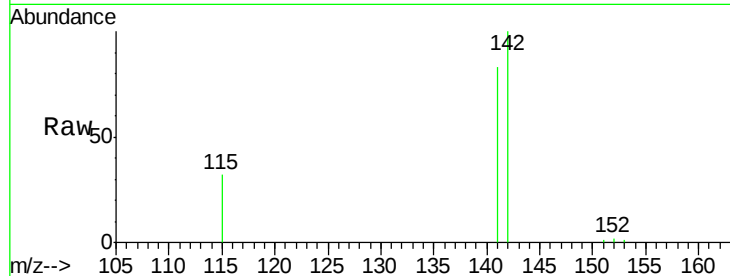
ClientSampleId :

Tot Ion:142 Resp: 12587

Ion Ratio Lower Upper

142 100

141 88.6 70.3 105.5



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

8000

6000

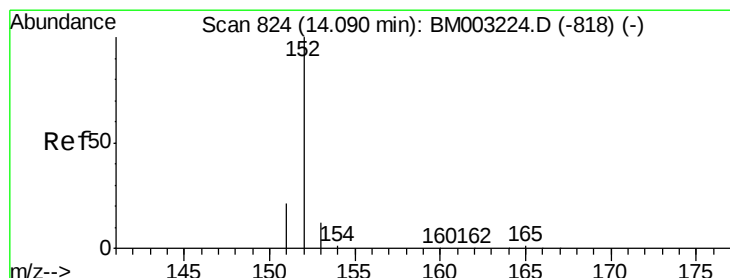
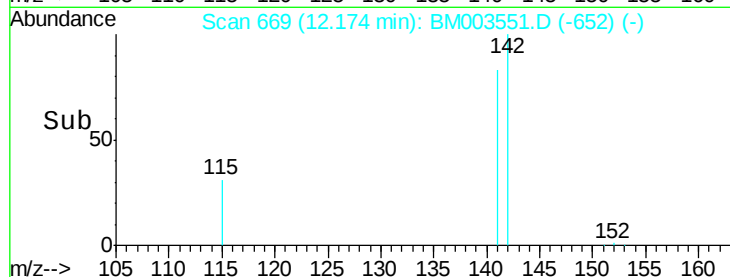
4000

2000

0

12.10 12.20 12.30

Time-->



#9

Acenaphthylene

Concen: 0.37 ng/ul

RT: 14.07 min Scan# 849

Delta R.T. -0.01 min

Lab File: BM003551.D

Acq: 15 Dec 2015 16:35

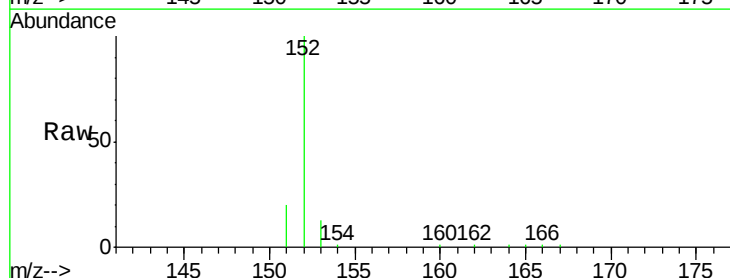
Tgt Ion:152 Resp: 16182

Ion Ratio Lower Upper

152 100

151 20.1 17.6 26.4

153 13.4 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

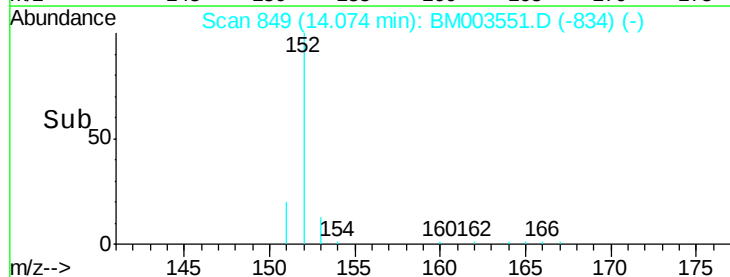
10000

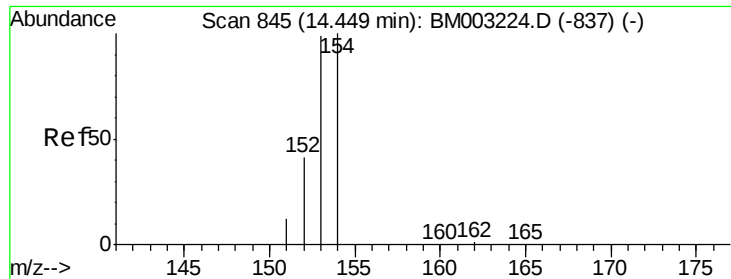
5000

0

14.00 14.10 14.20

Time-->





#10

Acenaphthene

Concen: 0.36 ng/ul

RT: 14.42 min Scan# 869

Delta R.T. -0.01 min

Lab File: BM003551.D

Acq: 15 Dec 2015 16:35

Instrument :

BNA_M

ClientSampleId :

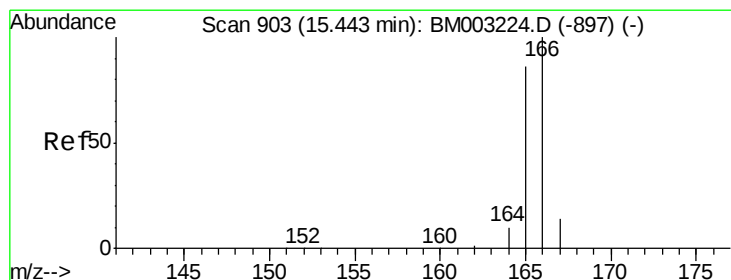
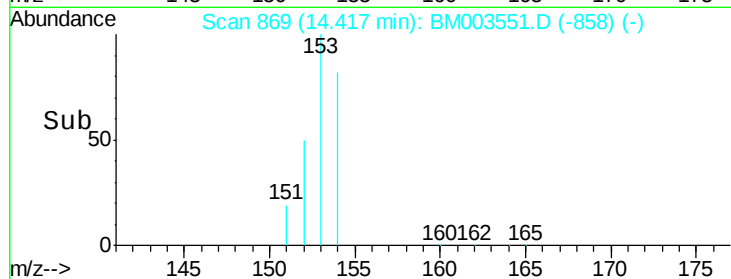
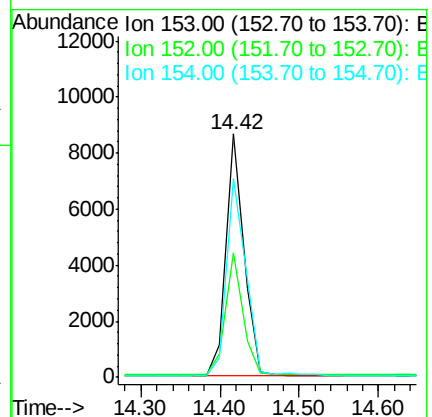
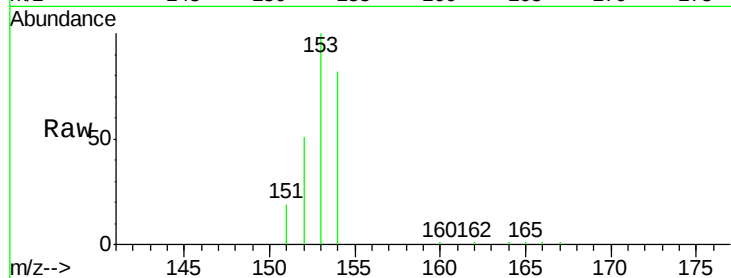
Tot Ion:153 Resp: 13361

Ion Ratio Lower Upper

153 100

152 51.3 33.9 50.9#

154 81.9 80.6 121.0



#11

Fluorene

Concen: 0.37 ng/ul

RT: 15.41 min Scan# 927

Delta R.T. -0.03 min

Lab File: BM003551.D

Acq: 15 Dec 2015 16:35

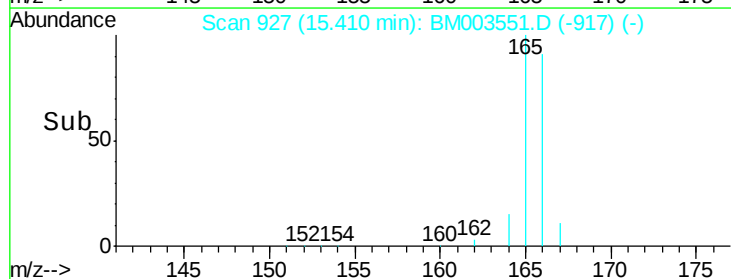
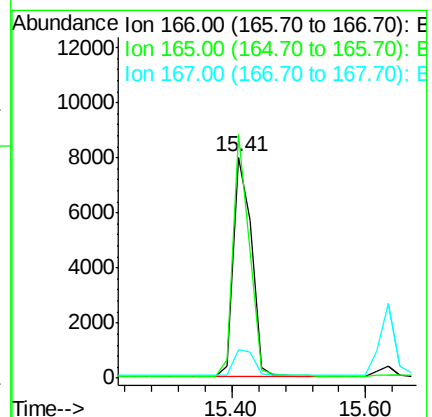
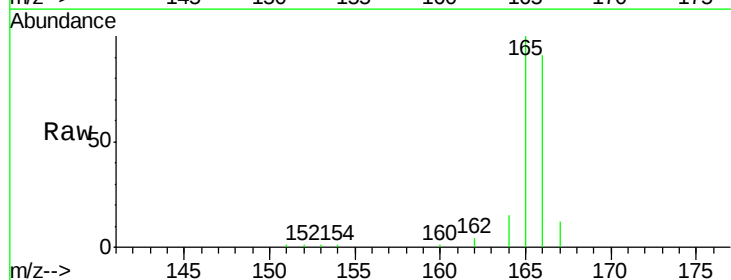
Tgt Ion:166 Resp: 14928

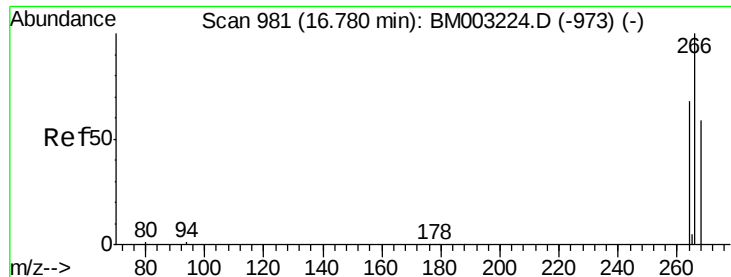
Ion Ratio Lower Upper

166 100

165 110.1 69.6 104.4#

167 13.2 11.9 17.9

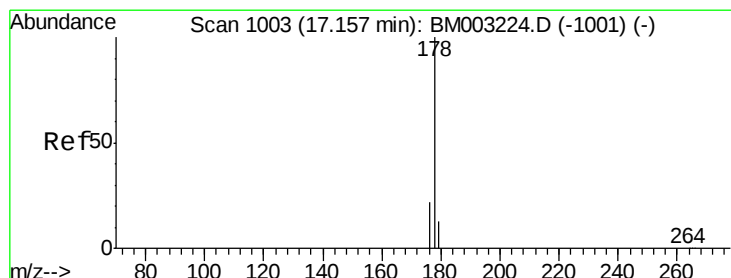
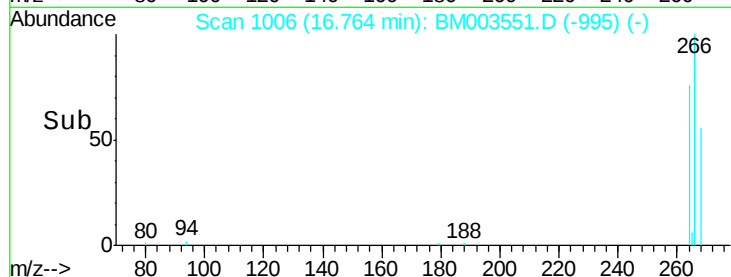
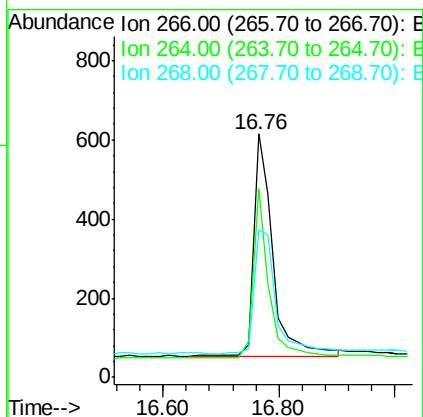
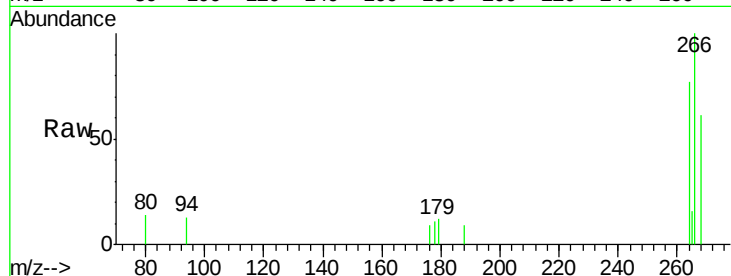




#13
 Pentachlorophenol
 Concen: 0.24 ng/ul
 RT: 16.76 min Scan# 1006
 Delta R.T. -0.02 min
 Lab File: BM003551.D
 Acq: 15 Dec 2015 16:35

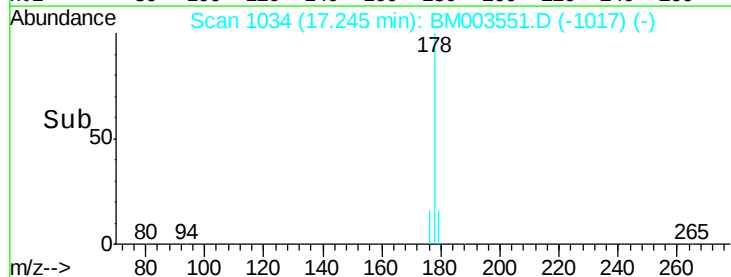
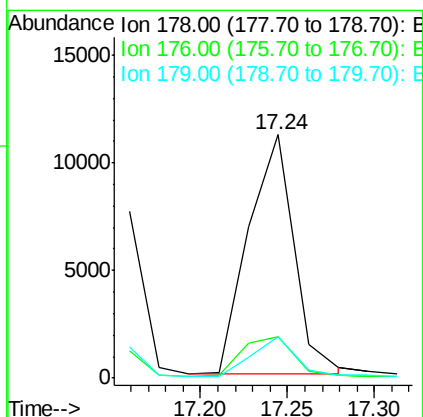
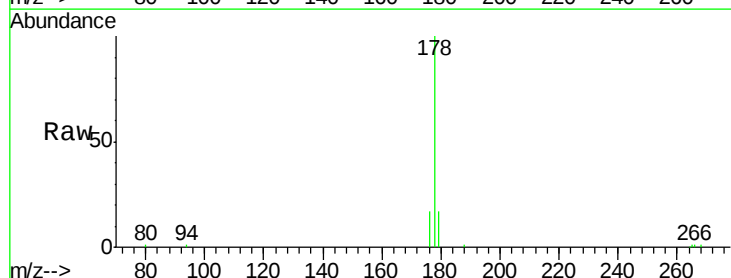
Instrument :
 BNA_M
 ClientSampleId :

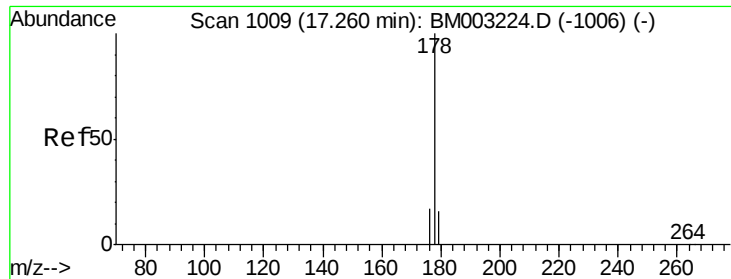
Tot Ion:266 Resp: 1295
 Ion Ratio Lower Upper
 266 100
 264 63.5 51.8 77.8
 268 63.7 46.8 70.2



#14
 Phenanthrene
 Concen: 0.30 ng/ul
 RT: 17.24 min Scan# 1034
 Delta R.T. 0.09 min
 Lab File: BM003551.D
 Acq: 15 Dec 2015 16:35

Tgt Ion:178 Resp: 20365
 Ion Ratio Lower Upper
 178 100
 176 16.9 13.0 19.4
 179 17.0 14.2 21.2





#15

Anthracene

Concen: 0.37 ng/ul

RT: 17.24 min Scan# 1034

Delta R.T. -0.02 min

Lab File: BM003551.D

Acq: 15 Dec 2015 16:35

Instrument :

BNA_M

ClientSampleId :

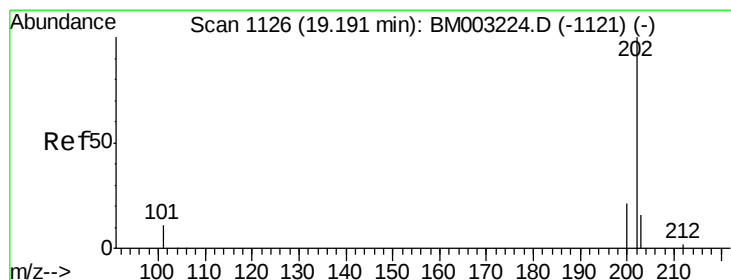
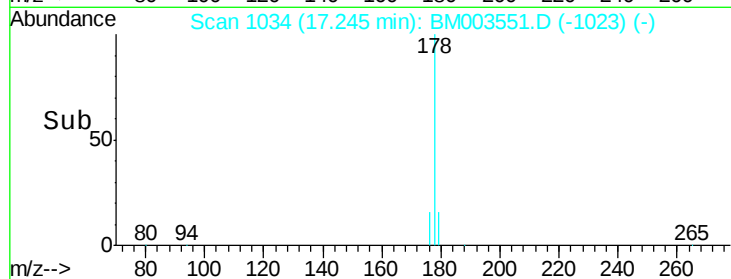
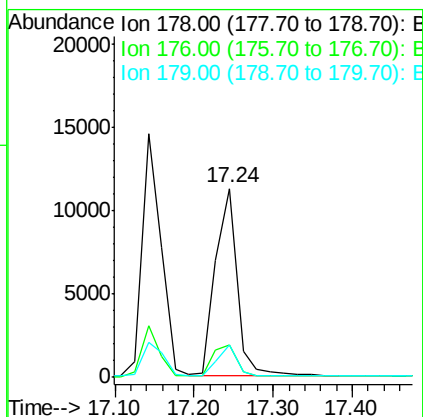
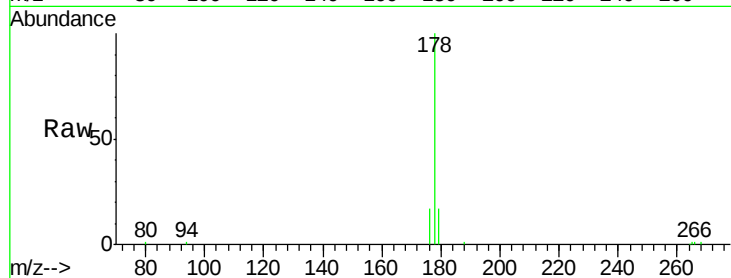
Tot Ion:178 Resp: 21193

Ion Ratio Lower Upper

178 100

176 16.9 14.0 21.0

179 17.0 12.9 19.3



#17

Fluoranthene

Concen: 0.36 ng/ul

RT: 19.18 min Scan# 1151

Delta R.T. -0.01 min

Lab File: BM003551.D

Acq: 15 Dec 2015 16:35

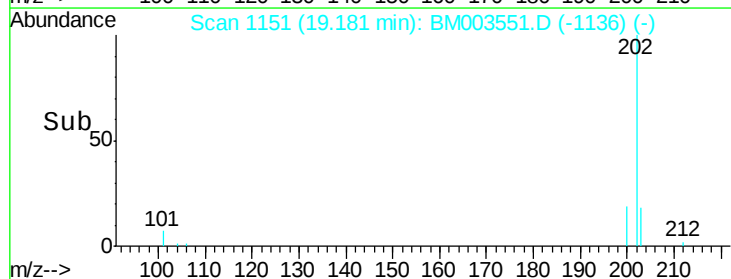
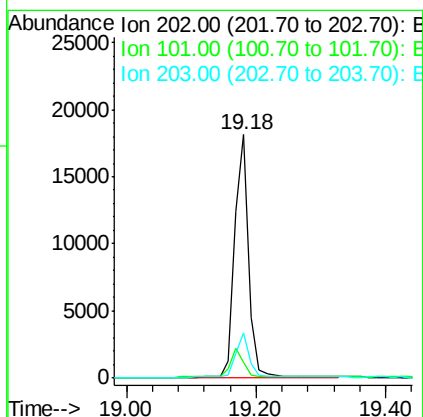
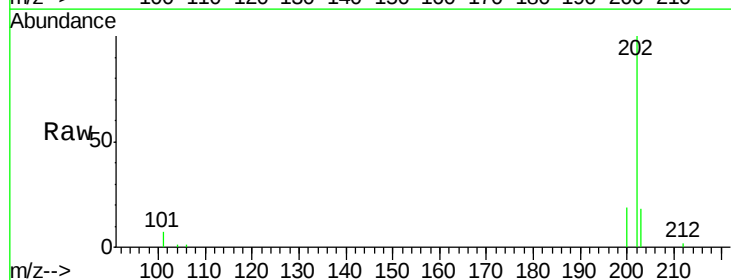
Tgt Ion:202 Resp: 27265

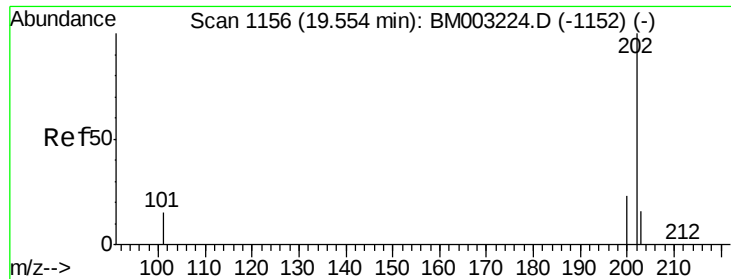
Ion Ratio Lower Upper

202 100

101 6.5 0.0 29.6

203 18.5 0.0 36.3





#19

Pvrene

Concen: 0.33 ng/ul

RT: 19.54 min Scan# 1181

Delta R.T. -0.01 min

Lab File: BM003551.D

Acq: 15 Dec 2015 16:35

Instrument :

BNA_M

ClientSampled :

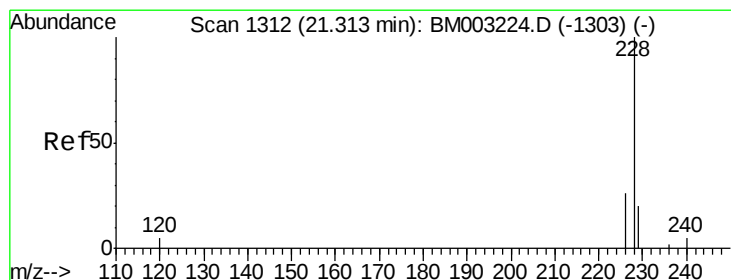
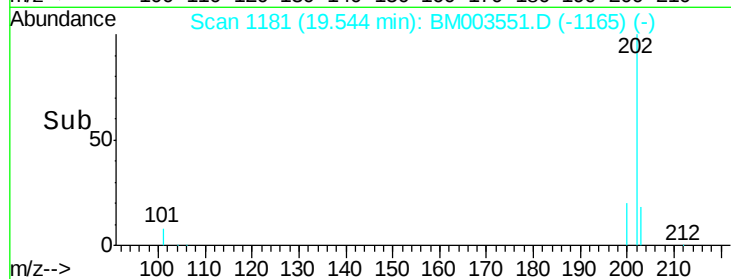
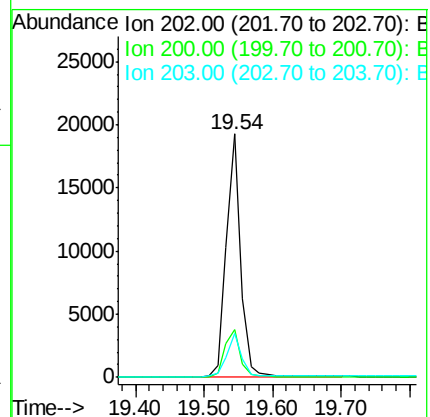
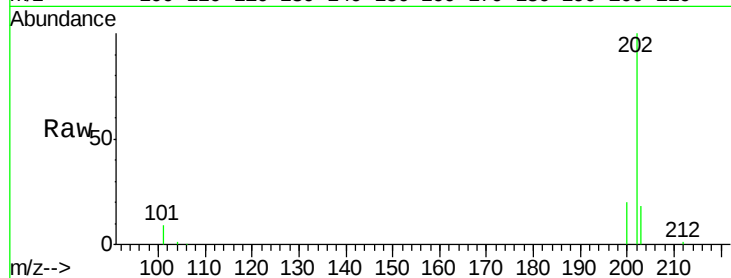
Tot Ion:202 Resp: 27560

Ion Ratio Lower Upper

202 100

200 19.9 17.8 26.8

203 18.1 12.8 19.2



#20

Benzo(a)anthracene

Concen: 0.35 ng/ul

RT: 21.29 min Scan# 1336

Delta R.T. -0.01 min

Lab File: BM003551.D

Acq: 15 Dec 2015 16:35

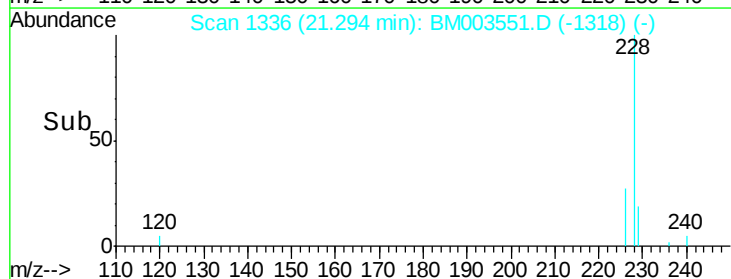
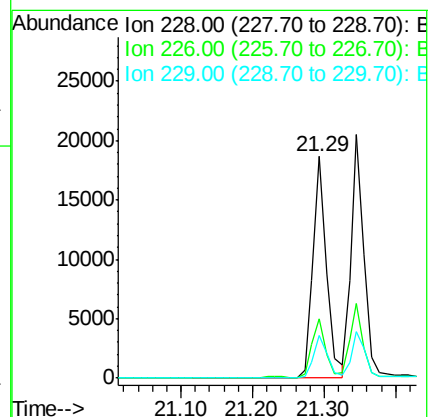
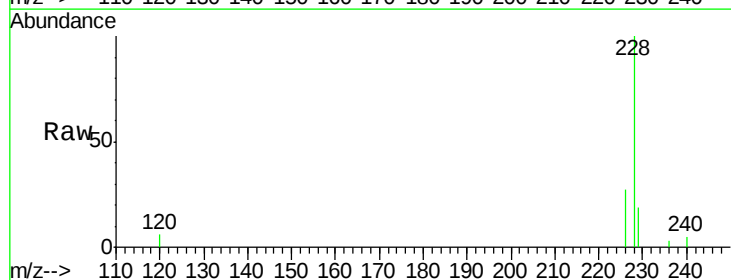
Tgt Ion:228 Resp: 24218

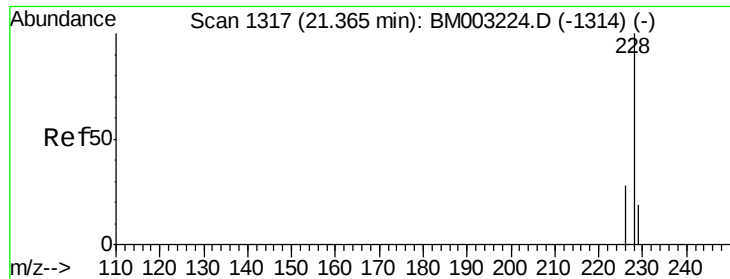
Ion Ratio Lower Upper

228 100

226 26.9 18.8 28.2

229 19.2 17.1 25.7





#21

Chrysene

Concen: 0.33 ng/ul

RT: 21.35 min Scan# 1341

Delta R.T. -0.01 min

Lab File: BM003551.D

Acq: 15 Dec 2015 16:35

Instrument :

BNA_M

ClientSampleId :

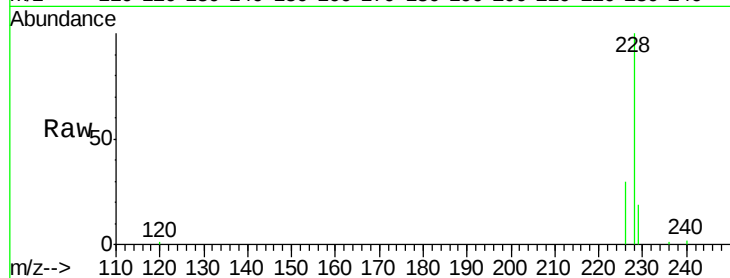
Tot Ion:228 Resp: 26067

Ion Ratio Lower Upper

228 100

226 30.4 21.2 31.8

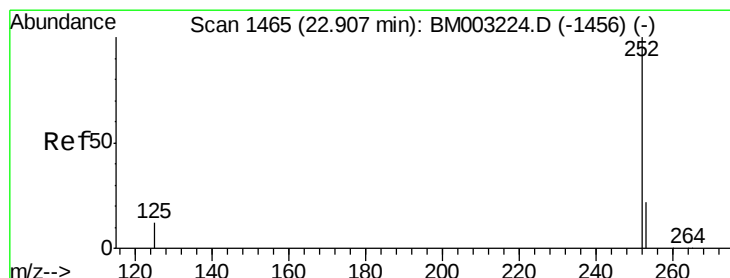
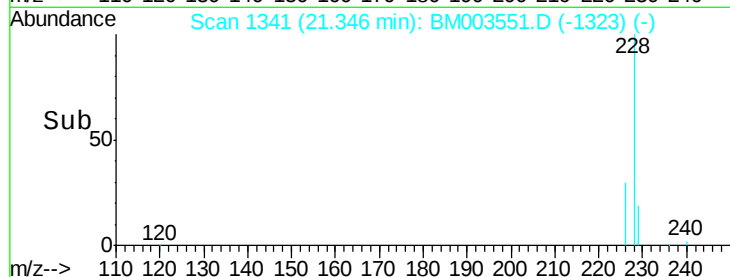
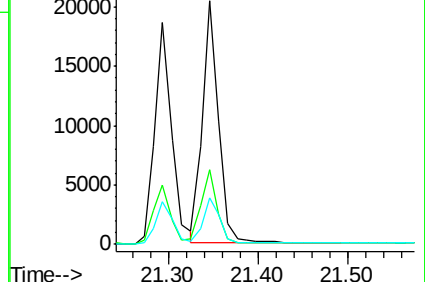
229 19.0 17.0 25.6



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: 0.37 ng/ul

RT: 22.89 min Scan# 1489

Delta R.T. -0.01 min

Lab File: BM003551.D

Acq: 15 Dec 2015 16:35

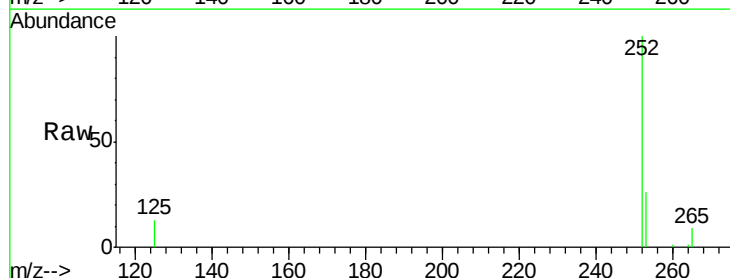
Tgt Ion:252 Resp: 23849

Ion Ratio Lower Upper

252 100

253 25.7 0.0 45.4

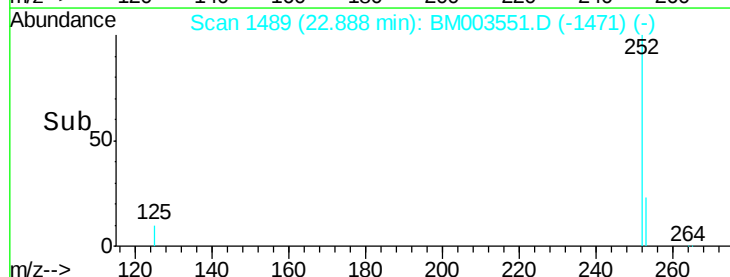
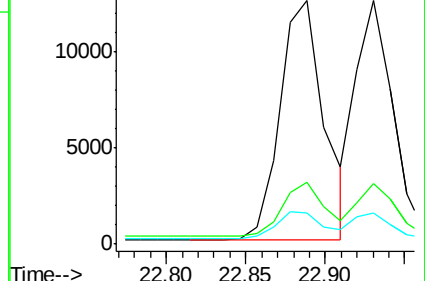
125 12.5 0.0 28.8

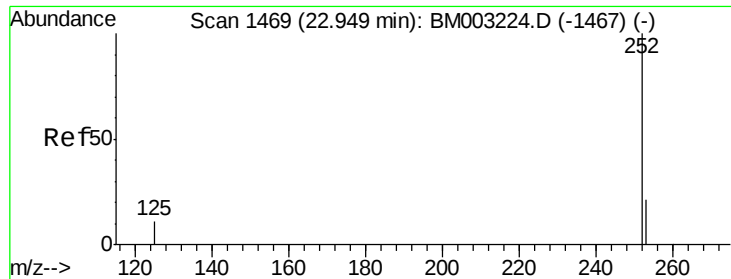


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

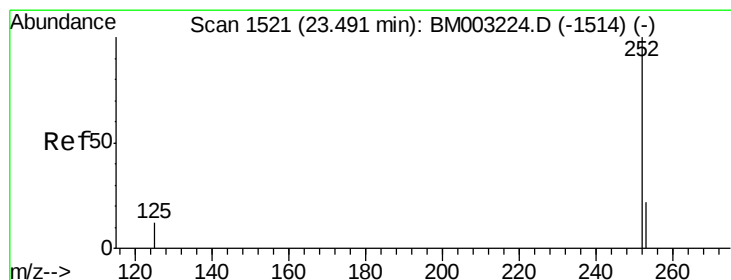
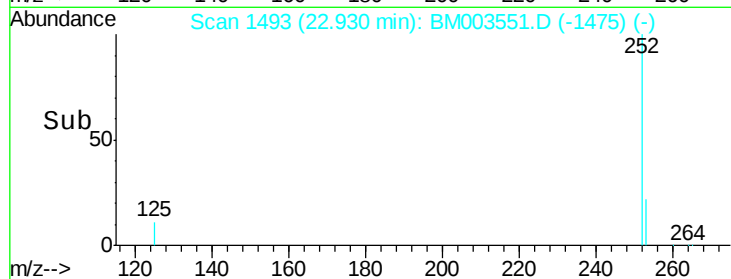
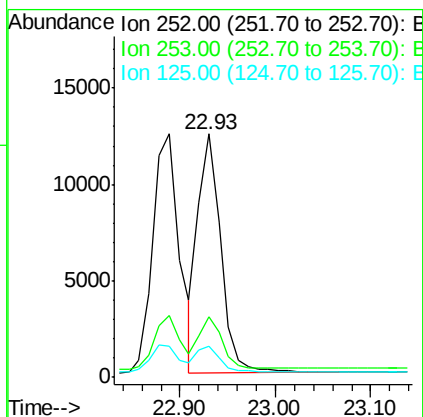
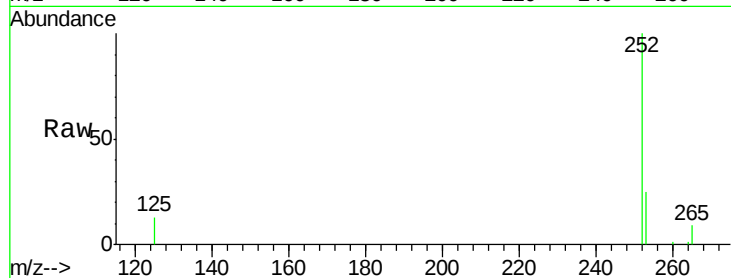




#24
Benzo(k)fluoranthene
Concen: 0.34 ng/ul
RT: 22.93 min Scan# 1493
Delta R.T. -0.01 min
Lab File: BM003551.D
Acq: 15 Dec 2015 16:35

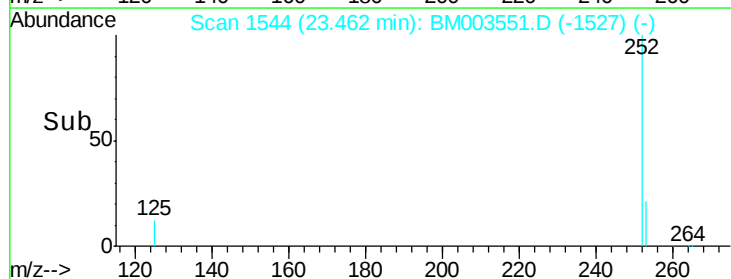
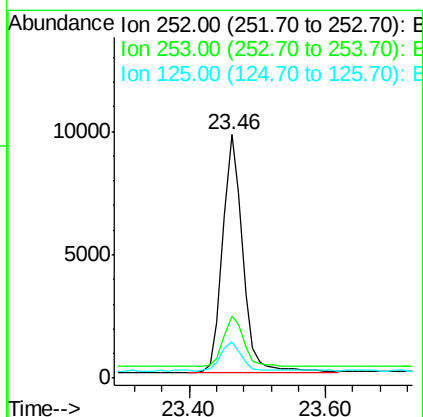
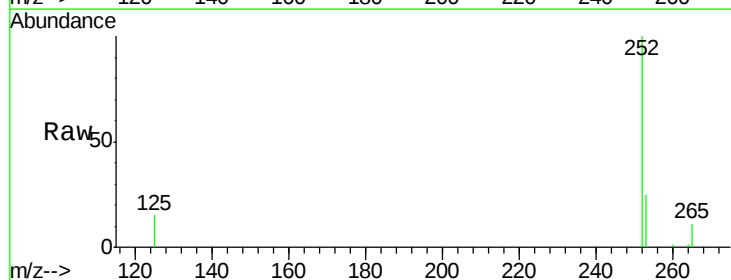
Instrument :
BNA_M
ClientSampleId :

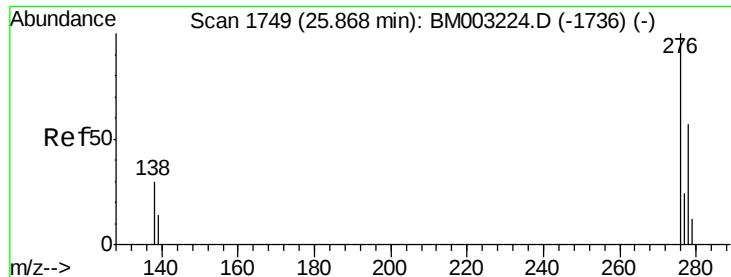
Tot Ion:252 Resp: 20553
Ion Ratio Lower Upper
252 100
253 24.9 19.8 29.8
125 13.0 10.4 15.6



#25
Benzo(a)pyrene
Concen: 0.34 ng/ul
RT: 23.46 min Scan# 1544
Delta R.T. -0.02 min
Lab File: BM003551.D
Acq: 15 Dec 2015 16:35

Tgt Ion:252 Resp: 19577
Ion Ratio Lower Upper
252 100
253 25.4 19.4 29.2
125 14.9 12.7 19.1



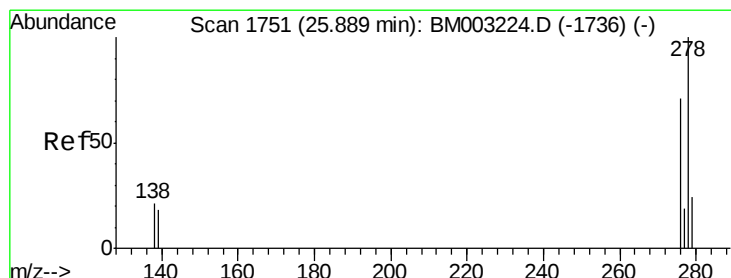
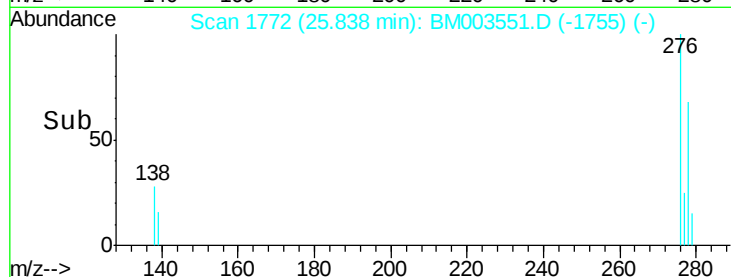
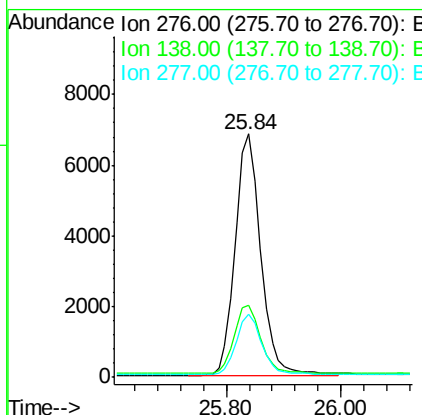
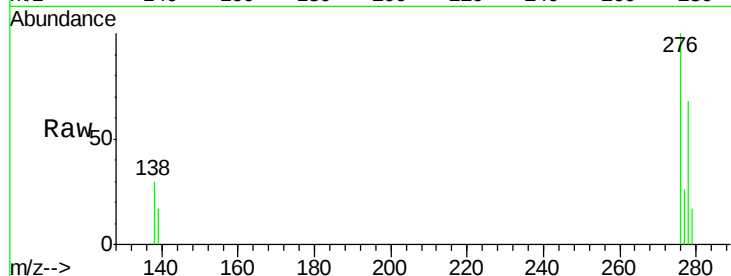


#26

Indeno(1,2,3-cd)pyrene
Concen: 0.31 ng/ul
RT: 25.84 min Scan# 1772
Delta R.T. -0.02 min
Lab File: BM003551.D
Acq: 15 Dec 2015 16:35

Instrument :
BNA_M
ClientSampleId :

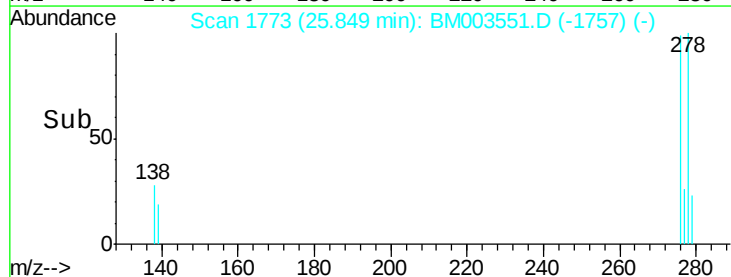
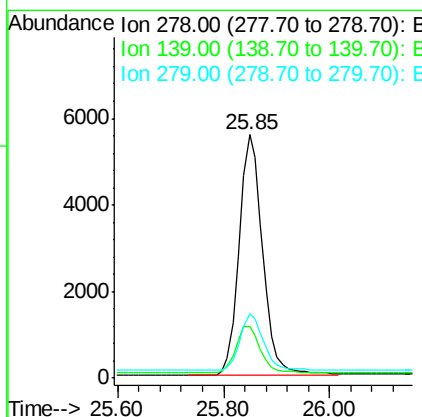
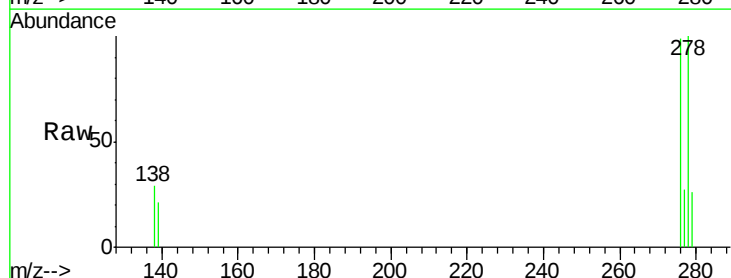
Tot Ion:276 Resp: 21232
Ion Ratio Lower Upper
276 100
138 29.5 16.3 24.5#
277 25.1 19.8 29.8

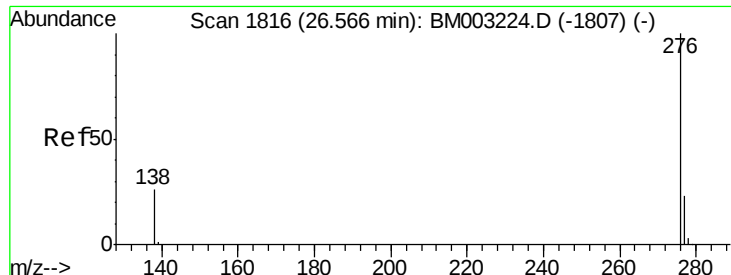


#27

Dibenzo(a,h)anthracene
Concen: 0.31 ng/ul
RT: 25.85 min Scan# 1773
Delta R.T. -0.03 min
Lab File: BM003551.D
Acq: 15 Dec 2015 16:35

Tgt Ion:278 Resp: 17139
Ion Ratio Lower Upper
278 100
139 21.5 16.4 24.6
279 26.4 20.2 30.2





#28

Benzo(a,h,i)perylene

Concen: 0.31 ng/ul

RT: 26.54 min Scan# 1839

Delta R.T. -0.02 min

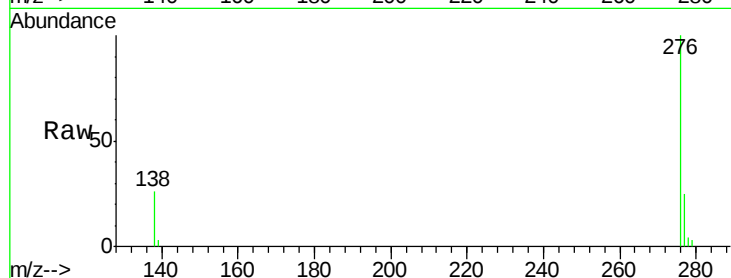
Lab File: BM003551.D

Acq: 15 Dec 2015 16:35

Instrument :

BNA_M

ClientSampleId :



Tot Ion: 276 Resp: 18391

Ion Ratio Lower Upper

276 100

277 25.2 18.9 28.3

138 26.2 22.5 33.7

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

