

Data Path : Z:\HPCHEM1\BNA M\DATA\BM121515\
 Data File : BM003550.D
 Acq On : 15 Dec 2015 15:59
 Operator : UM/IZ
 Sample : SSTD0.248
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :

Quant Time: Dec 15 17:38:40 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	5371	0.40	ng/ul	-0.03
4) Naphthalene-d8	10.50	136	20256	0.40	ng/ul	-0.03
8) Acenaphthene-d10	14.37	164	11014	0.40	ng/ul	-0.02
12) Phenanthrene-d10	17.11	188	24904	0.40	ng/ul	-0.02
18) Chrysene-d12	21.31	240	24569	0.40	ng/ul	0.00
22) Perylene-d12	23.57	264	17133	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	2276	0.40	ng/uL	-0.01
6) 2-Methylnaphthalene-d10	12.10	152	4972	0.18	ng/ul	-0.02
16) Fluoranthene-d10	19.14	212	10786	0.18	ng/ul	-0.02

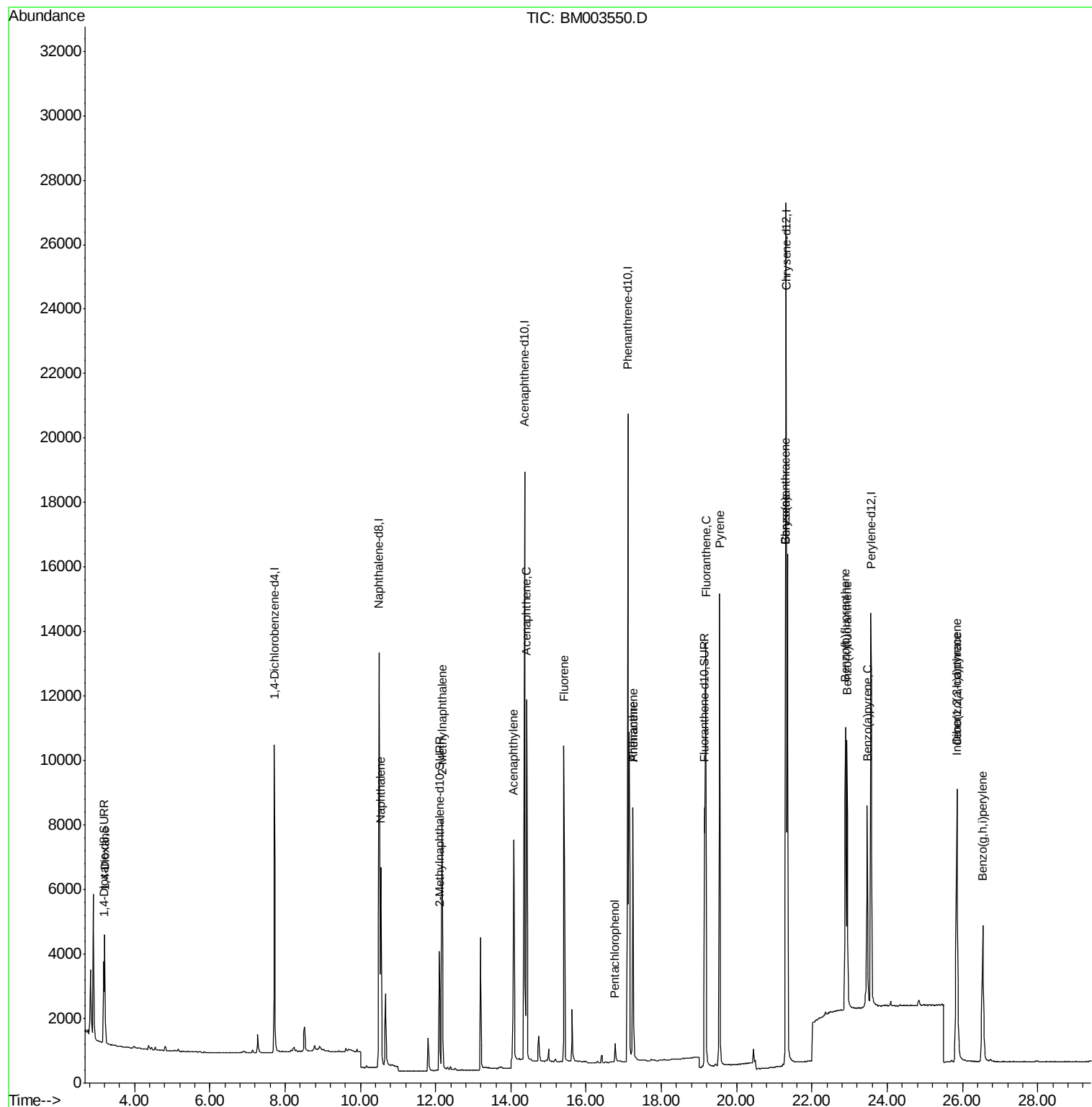
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
3) 1,4-Dioxane	3.21	88	2907	0.45	ng/ul#	100
5) Naphthalene	10.55	128	9018	0.17	ng/ul#	96
7) 2-Methylnaphthalene	12.17	142	6224	0.18	ng/ul	99
9) Acenaphthylene	14.07	152	8170	0.18	ng/ul	96
10) Acenaphthene	14.42	153	6772	0.17	ng/ul#	82
11) Fluorene	15.41	166	7665	0.18	ng/ul#	79
13) Pentachlorophenol	16.76	266	655	0.11	ng/ul	96
14) Phenanthrene	17.24	178	10390	0.14	ng/ul	99
15) Anthracene	17.24	178	10923	0.18	ng/ul	98
17) Fluoranthene	19.18	202	13951	0.17	ng/ul	94
19) Pyrene	19.54	202	14306	0.17	ng/ul	96
20) Benzo(a)anthracene	21.29	228	12191	0.17	ng/ul	94
21) Chrysene	21.29	228	12177	0.15	ng/ul	97
23) Benzo(b)fluoranthene	22.89	252	11950	0.18	ng/ul	93
24) Benzo(k)fluoranthene	22.93	252	10812	0.18	ng/ul	94
25) Benzo(a)pyrene	23.46	252	9814	0.17	ng/ul#	91
26) Indeno(1,2,3-cd)pyrene	25.84	276	10523	0.15	ng/ul#	91
27) Dibenzo(a,h)anthracene	25.85	278	8409	0.15	ng/ul#	91
28) Benzo(g,h,i)perylene	26.54	276	9195	0.15	ng/ul	98

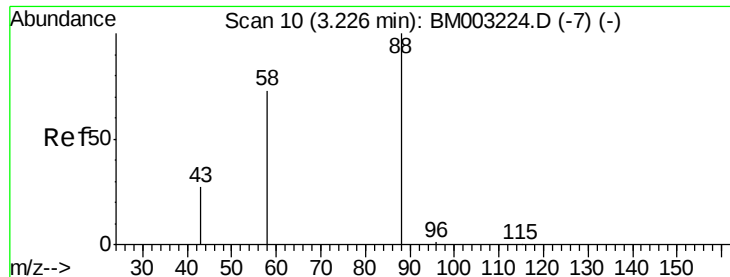
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

1,4-Dioxane

Concen: 0.45 ng/ul

RT: 3.21 min Scan# 35

Delta R.T. -0.01 min

Lab File: BM003550.D

Acq: 15 Dec 2015 15:59

Instrument :

BNA_M

ClientSampleId :

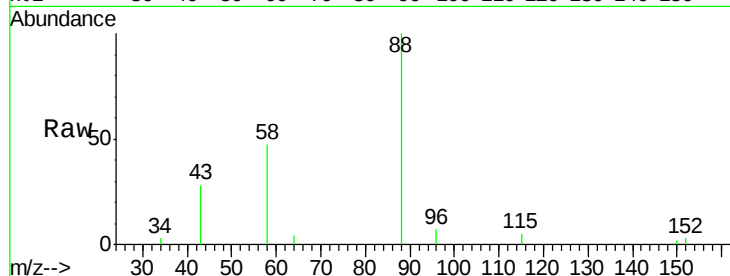
Tot Ion: 88 Resp: 2907

Ion Ratio Lower Upper

88 100

58 56.3 0.0 0.0#

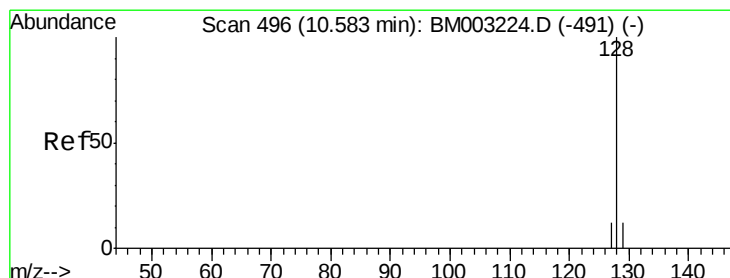
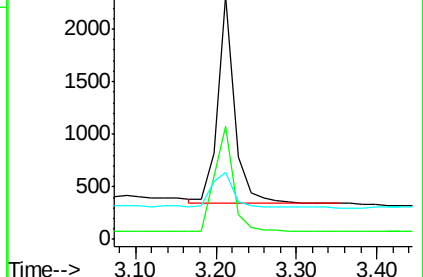
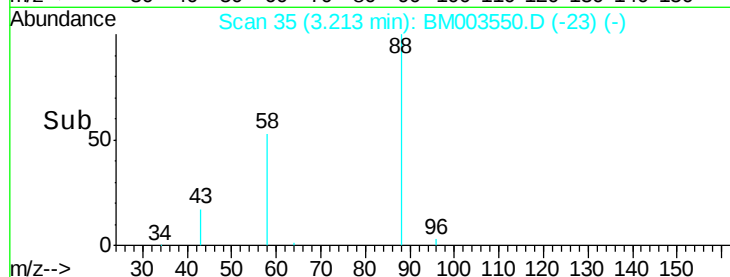
43 22.8 0.0 0.0#



Abundance Ion 88.00 (87.70 to 88.70): BM003550.D (-23) (-)

Ion 58.00 (57.70 to 58.70): BM003550.D (-23) (-)

Ion 43.00 (42.70 to 43.70): BM003550.D (-23) (-)



#5

Naphthalene

Concen: 0.17 ng/ul

RT: 10.55 min Scan# 519

Delta R.T. -0.02 min

Lab File: BM003550.D

Acq: 15 Dec 2015 15:59

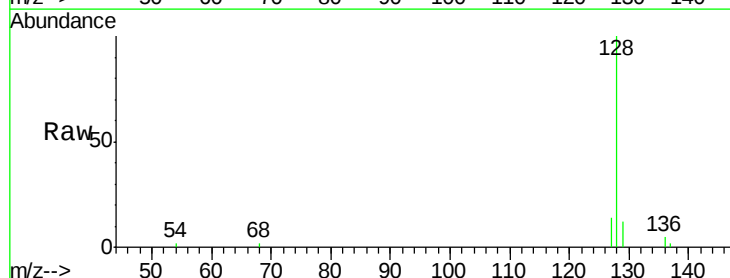
Tgt Ion: 128 Resp: 9018

Ion Ratio Lower Upper

128 100

129 11.8 9.0 13.6

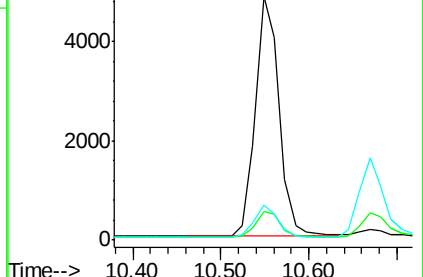
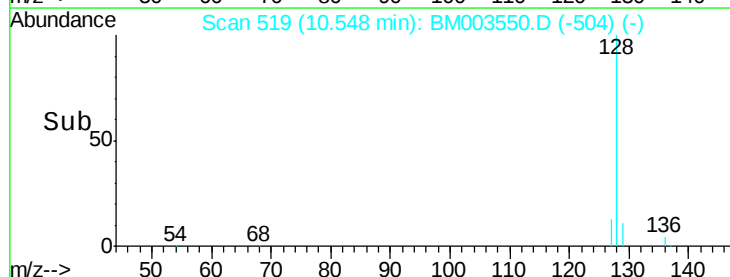
127 14.4 9.6 14.4#

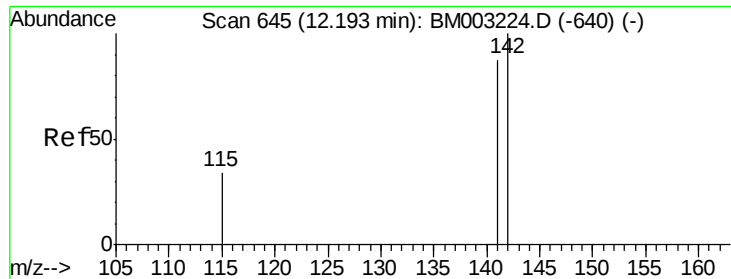


Abundance Ion 128.00 (127.70 to 128.70): BM003550.D (-504) (-)

Ion 129.00 (128.70 to 129.70): BM003550.D (-504) (-)

Ion 127.00 (126.70 to 127.70): BM003550.D (-504) (-)





#7

2-Methylnaphthalene

Concen: 0.18 ng/ul

RT: 12.17 min Scan# 669

Delta R.T. -0.02 min

Lab File: BM003550.D

Acq: 15 Dec 2015 15:59

Instrument :

BNA_M

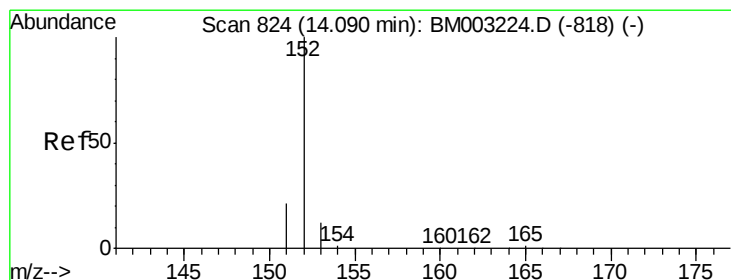
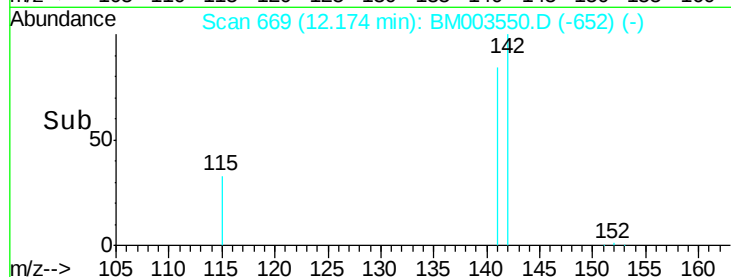
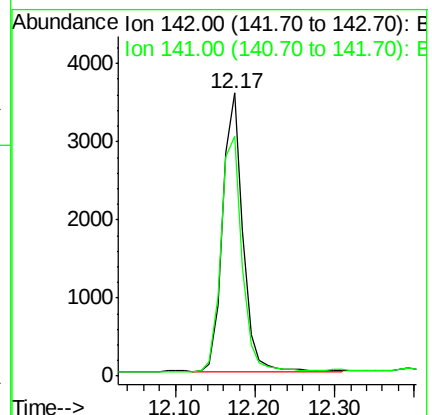
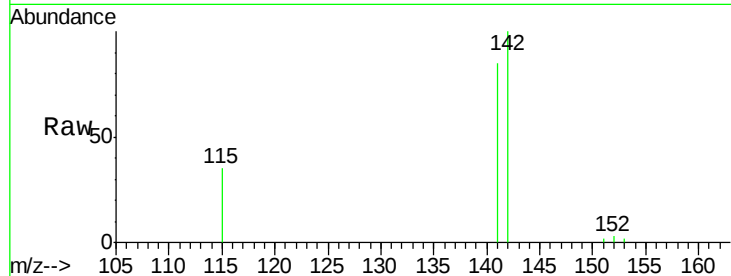
ClientSampleId :

Tot Ion:142 Resp: 6224

Ion Ratio Lower Upper

142 100

141 88.5 70.3 105.5



#9

Acenaphthylene

Concen: 0.18 ng/ul

RT: 14.07 min Scan# 849

Delta R.T. -0.02 min

Lab File: BM003550.D

Acq: 15 Dec 2015 15:59

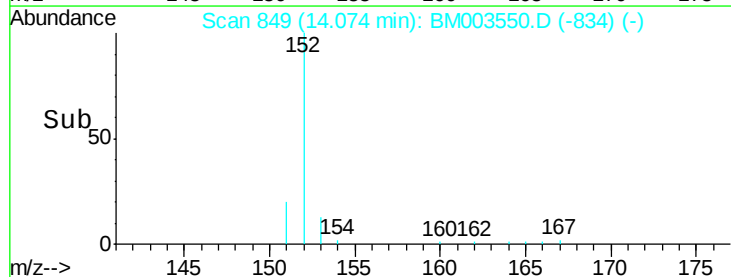
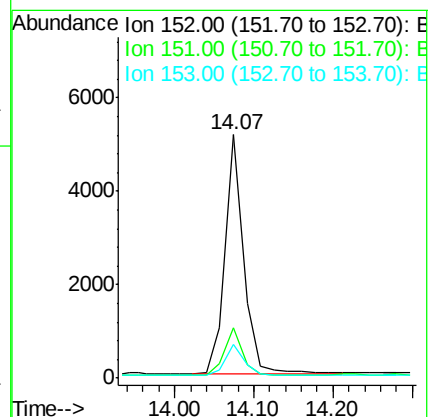
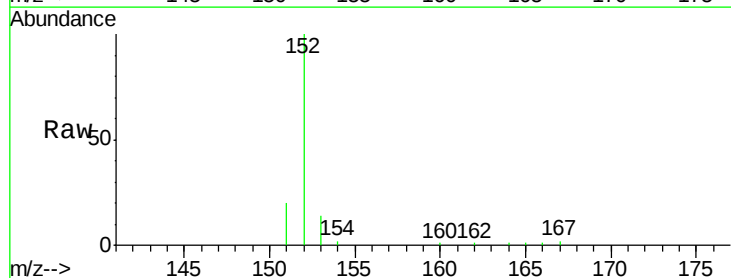
Tgt Ion:152 Resp: 8170

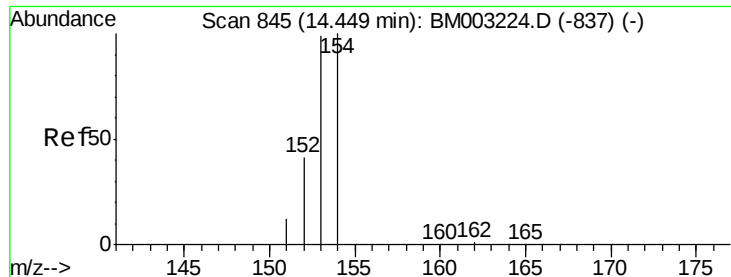
Ion Ratio Lower Upper

152 100

151 20.5 17.6 26.4

153 14.0 9.7 14.5





#10

Acenaphthene

Concen: 0.17 ng/ul

RT: 14.42 min Scan# 869

Delta R.T. -0.02 min

Lab File: BM003550.D

Acq: 15 Dec 2015 15:59

Instrument :

BNA_M

ClientSampleId :

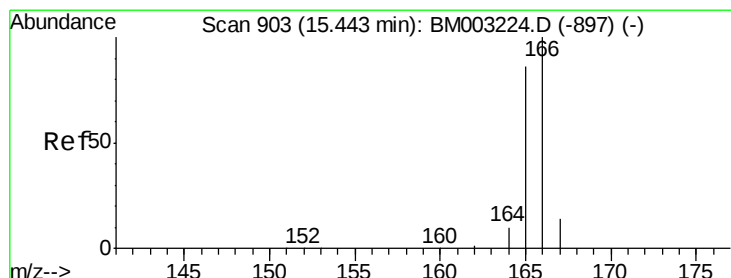
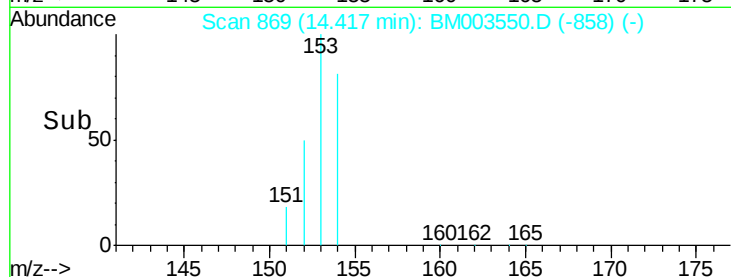
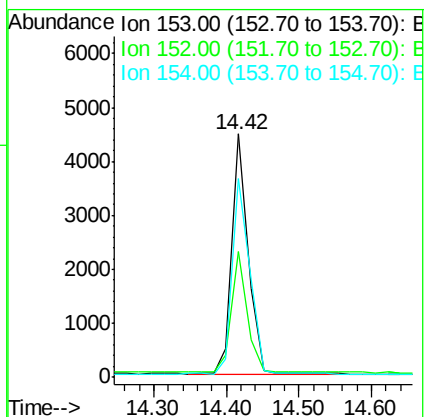
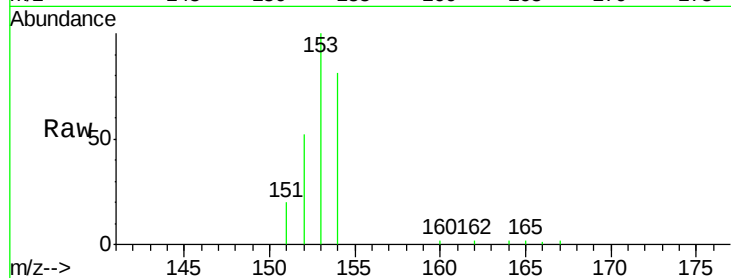
Tot Ion:153 Resp: 6772

Ion Ratio Lower Upper

153 100

152 51.7 33.9 50.9#

154 81.4 80.6 121.0



#11

Fluorene

Concen: 0.18 ng/ul

RT: 15.41 min Scan# 927

Delta R.T. -0.03 min

Lab File: BM003550.D

Acq: 15 Dec 2015 15:59

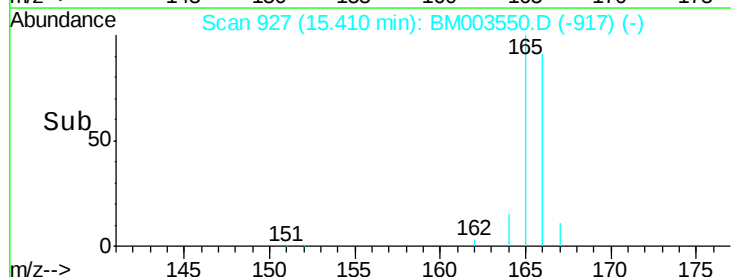
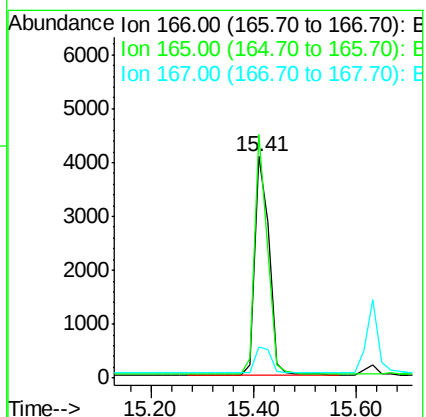
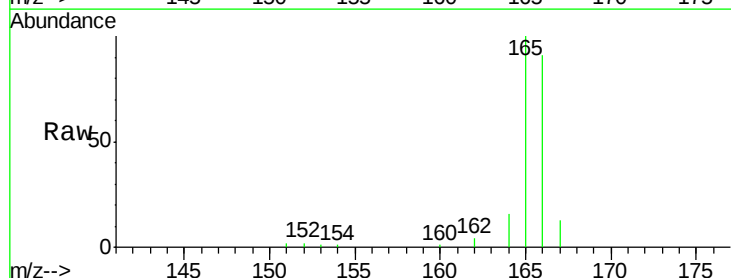
Tgt Ion:166 Resp: 7665

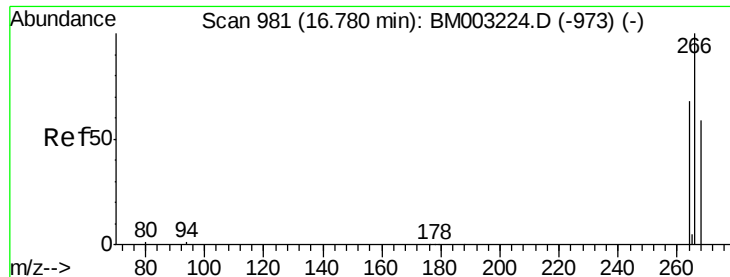
Ion Ratio Lower Upper

166 100

165 109.8 69.6 104.4#

167 13.9 11.9 17.9

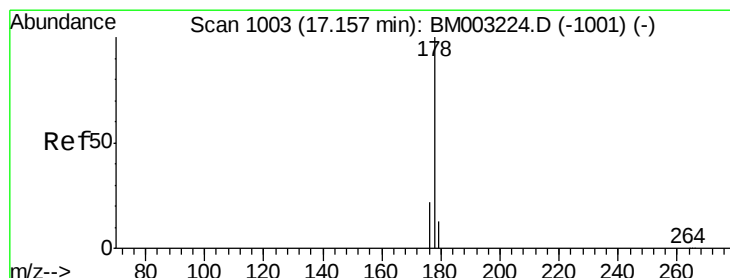
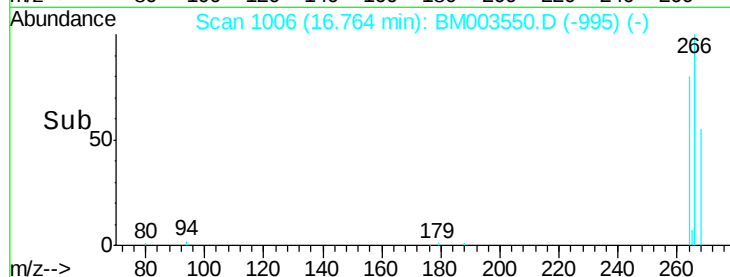
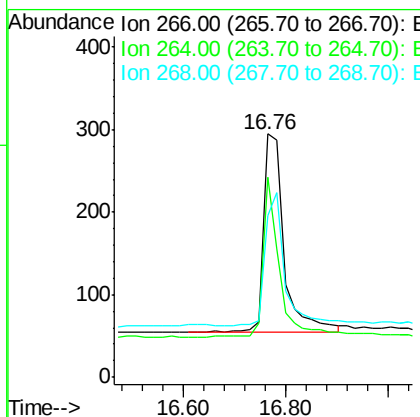
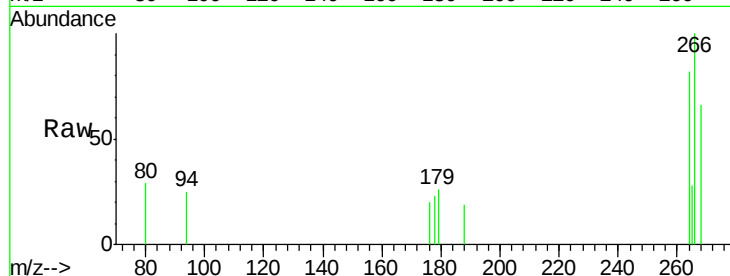




#13
 Pentachlorophenol
 Concen: 0.11 ng/ul
 RT: 16.76 min Scan# 1006
 Delta R.T. -0.02 min
 Lab File: BM003550.D
 Acq: 15 Dec 2015 15:59

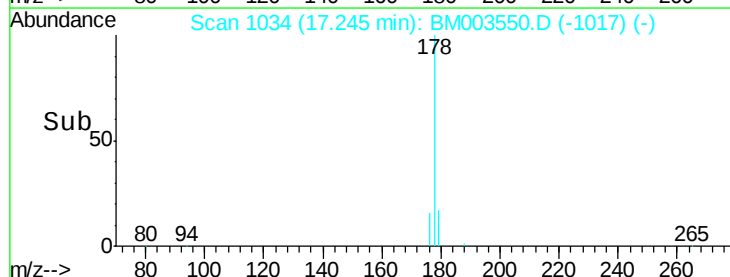
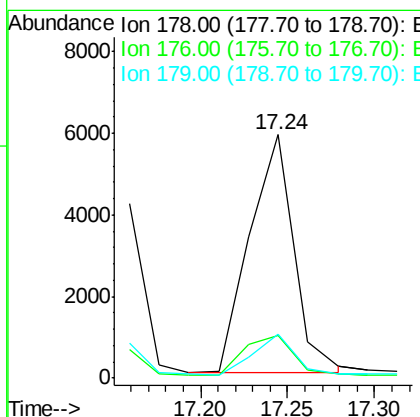
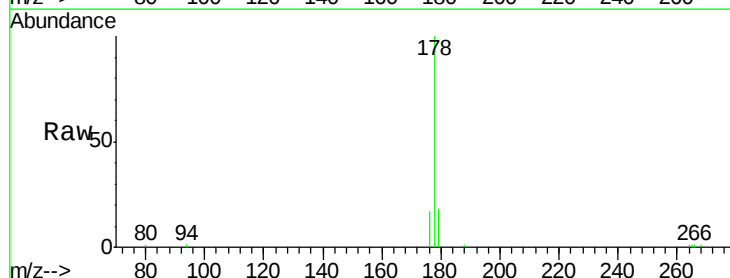
Instrument :
 BNA_M
 ClientSampleId :

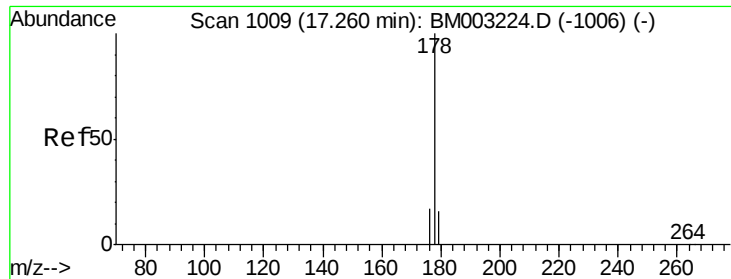
Tot Ion:266 Resp: 655
 Ion Ratio Lower Upper
 266 100
 264 61.5 51.8 77.8
 268 62.1 46.8 70.2



#14
 Phenanthrene
 Concen: 0.14 ng/ul
 RT: 17.24 min Scan# 1034
 Delta R.T. 0.09 min
 Lab File: BM003550.D
 Acq: 15 Dec 2015 15:59

Tgt Ion:178 Resp: 10390
 Ion Ratio Lower Upper
 178 100
 176 17.3 13.0 19.4
 179 17.8 14.2 21.2





#15

Anthracene

Concen: 0.18 ng/ul

RT: 17.24 min Scan# 1034

Delta R.T. -0.02 min

Lab File: BM003550.D

Acq: 15 Dec 2015 15:59

Instrument :

BNA_M

ClientSampleId :

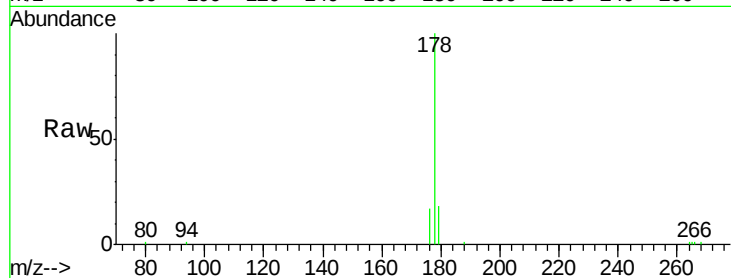
Tot Ion:178 Resp: 10923

Ion Ratio Lower Upper

178 100

176 17.3 14.0 21.0

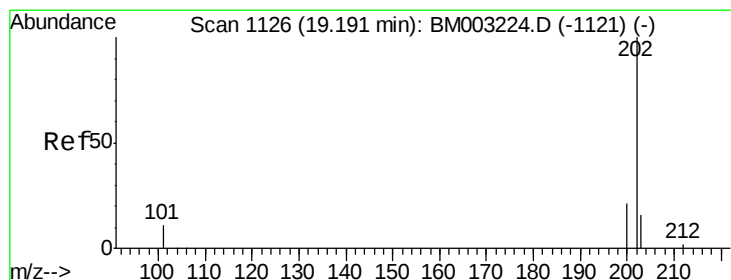
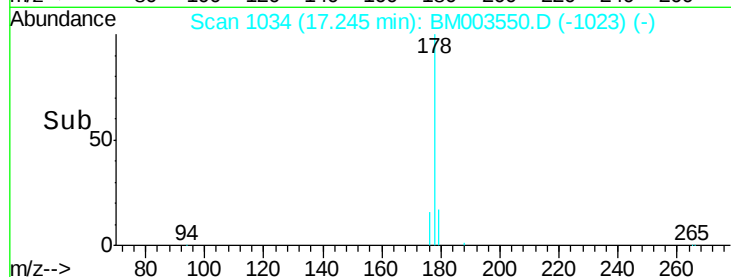
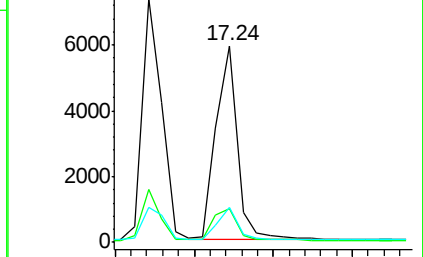
179 17.8 12.9 19.3



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: 0.17 ng/ul

RT: 19.18 min Scan# 1151

Delta R.T. -0.01 min

Lab File: BM003550.D

Acq: 15 Dec 2015 15:59

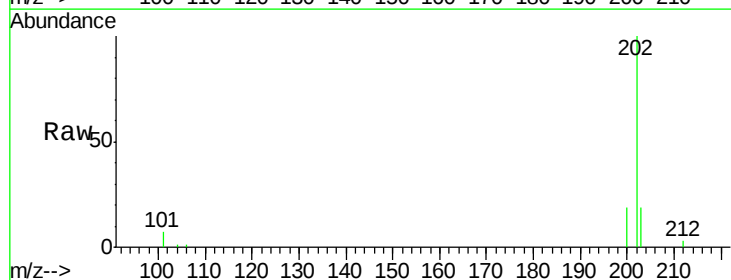
Tgt Ion:202 Resp: 13951

Ion Ratio Lower Upper

202 100

101 7.4 0.0 29.6

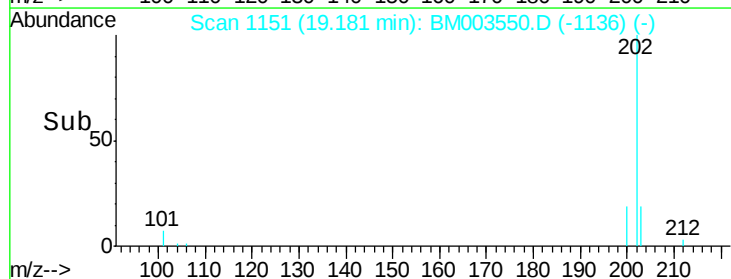
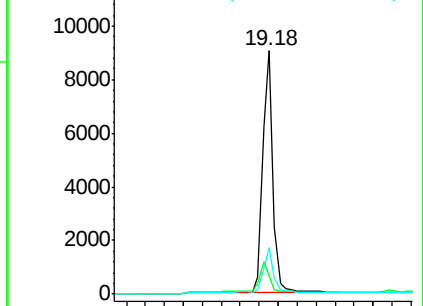
203 19.1 0.0 36.3

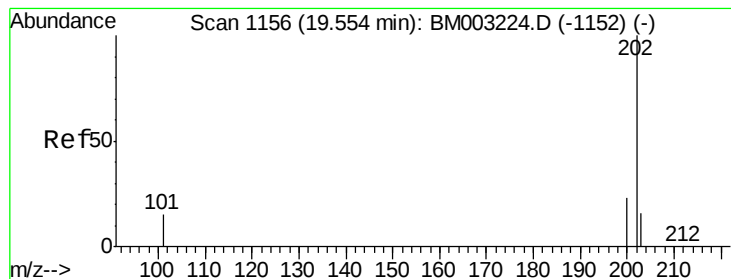


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E





#19

Pvrene

Concen: 0.17 ng/ul

RT: 19.54 min Scan# 1181

Delta R.T. -0.01 min

Lab File: BM003550.D

Acq: 15 Dec 2015 15:59

Instrument :

BNA_M

ClientSampleId :

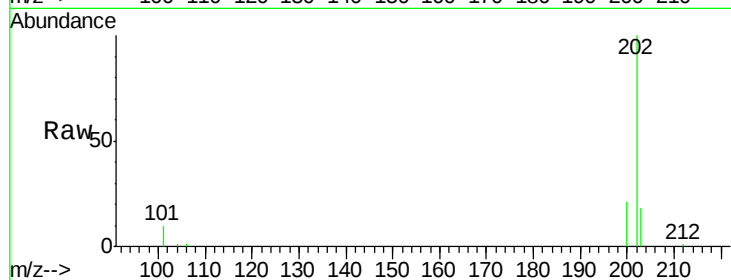
Tot Ion:202 Resp: 14306

Ion Ratio Lower Upper

202 100

200 20.7 17.8 26.8

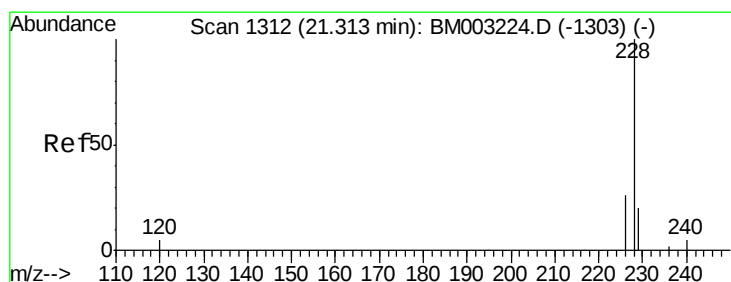
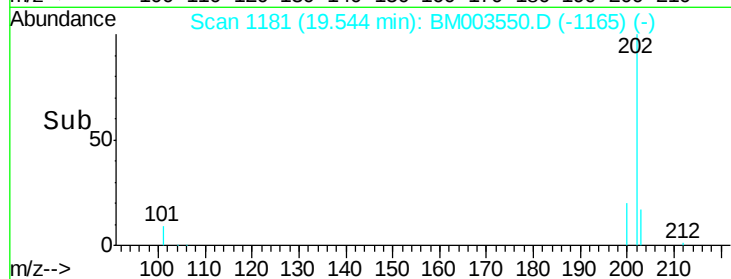
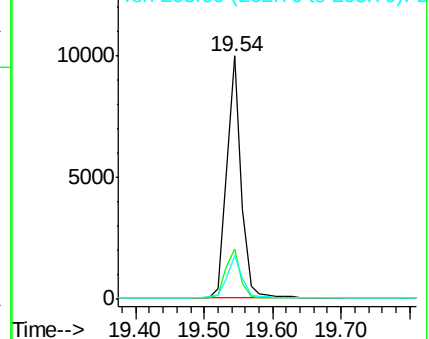
203 18.0 12.8 19.2



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: 0.17 ng/ul

RT: 21.29 min Scan# 1336

Delta R.T. -0.01 min

Lab File: BM003550.D

Acq: 15 Dec 2015 15:59

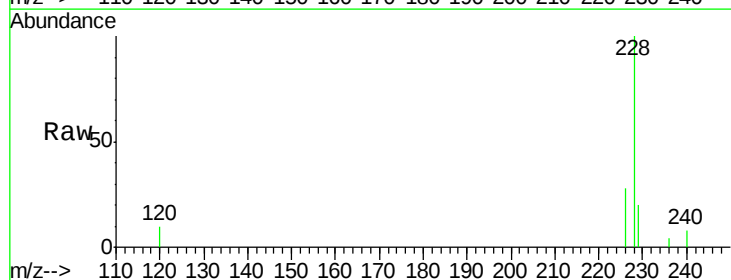
Tgt Ion:228 Resp: 12191

Ion Ratio Lower Upper

228 100

226 27.8 18.8 28.2

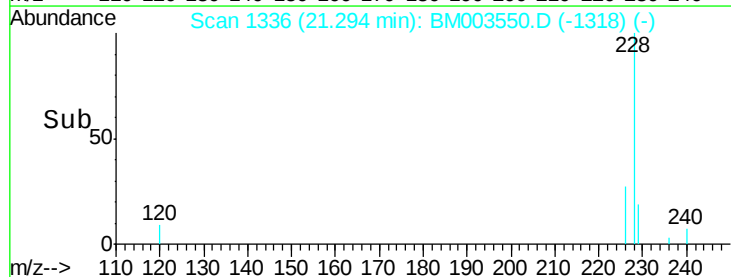
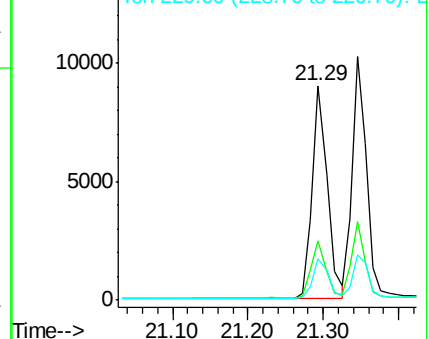
229 19.5 17.1 25.7

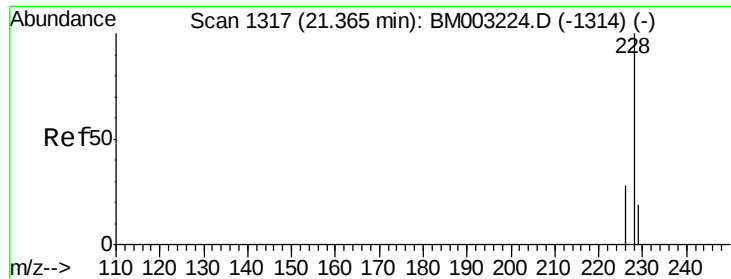


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#21

Chrysene

Concen: 0.15 ng/ul

RT: 21.29 min Scan# 1336

Delta R.T. -0.06 min

Lab File: BM003550.D

Acq: 15 Dec 2015 15:59

Instrument :

BNA_M

ClientSampleId :

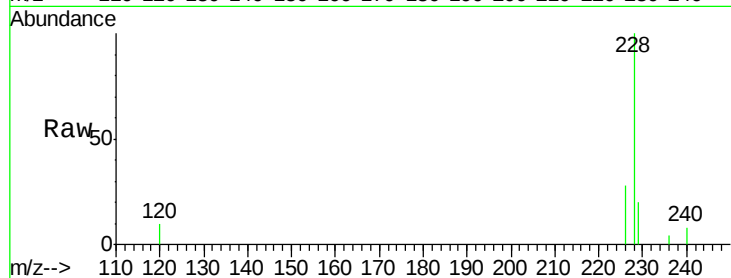
Tot Ion:228 Resp: 12177

Ion Ratio Lower Upper

228 100

226 27.8 21.2 31.8

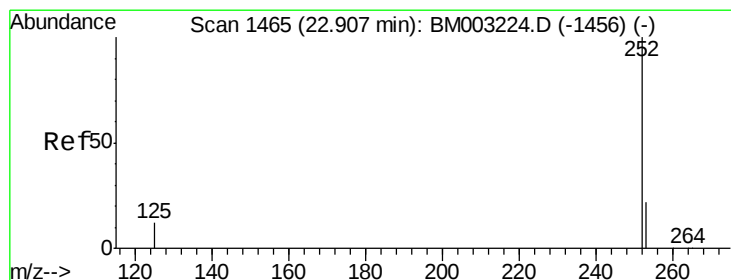
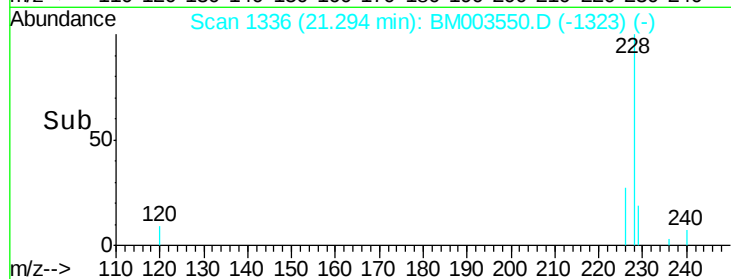
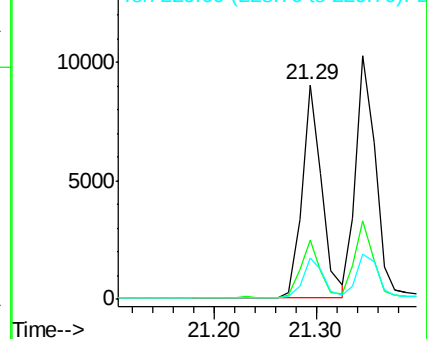
229 19.5 17.0 25.6



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: 0.18 ng/ul

RT: 22.89 min Scan# 1489

Delta R.T. -0.01 min

Lab File: BM003550.D

Acq: 15 Dec 2015 15:59

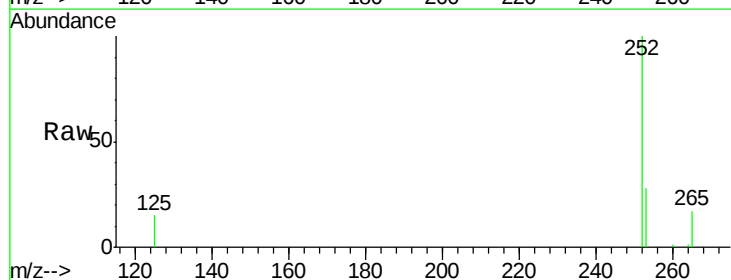
Tgt Ion:252 Resp: 11950

Ion Ratio Lower Upper

252 100

253 27.9 0.0 45.4

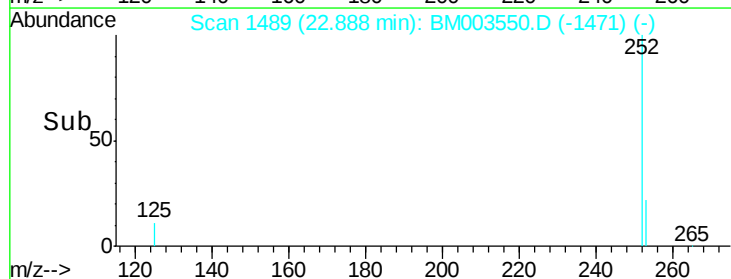
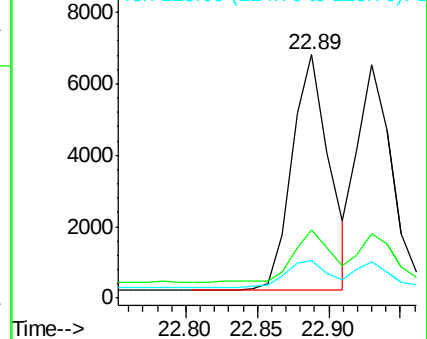
125 15.2 0.0 28.8

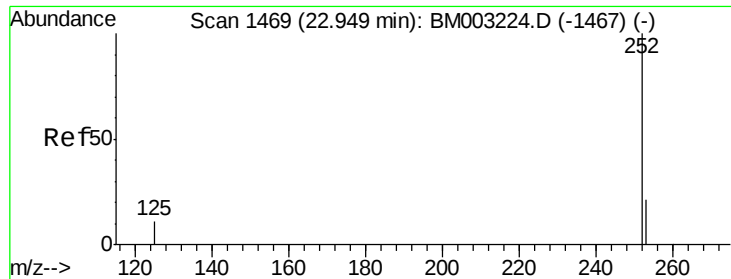


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#24

Benzo(k)fluoranthene

Concen: 0.18 ng/ul

RT: 22.93 min Scan# 1493

Delta R.T. -0.01 min

Lab File: BM003550.D

Acq: 15 Dec 2015 15:59

Instrument :

BNA_M

ClientSampleId :

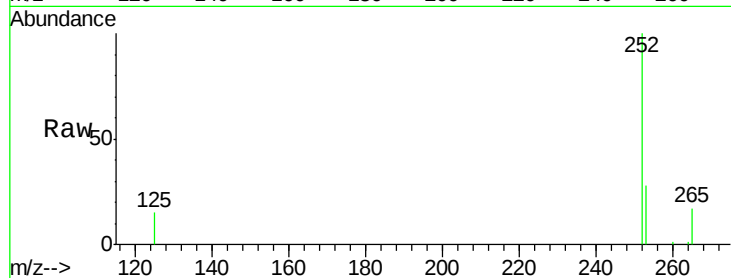
Tot Ion:252 Resp: 10812

Ion Ratio Lower Upper

252 100

253 27.6 19.8 29.8

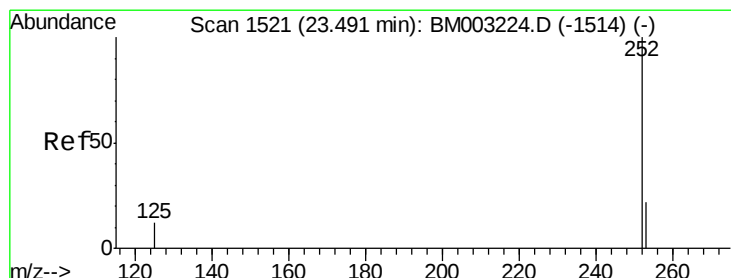
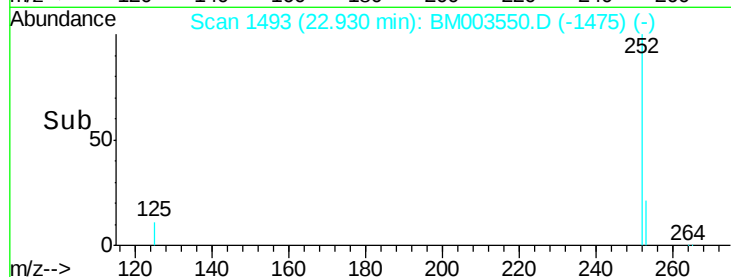
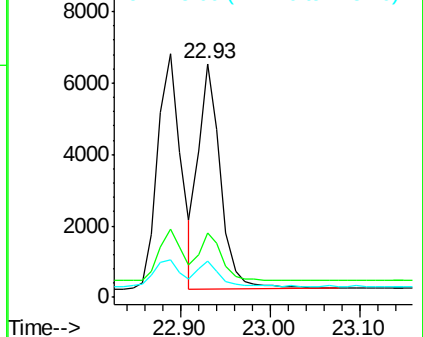
125 15.5 10.4 15.6



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: 0.17 ng/ul

RT: 23.46 min Scan# 1544

Delta R.T. -0.02 min

Lab File: BM003550.D

Acq: 15 Dec 2015 15:59

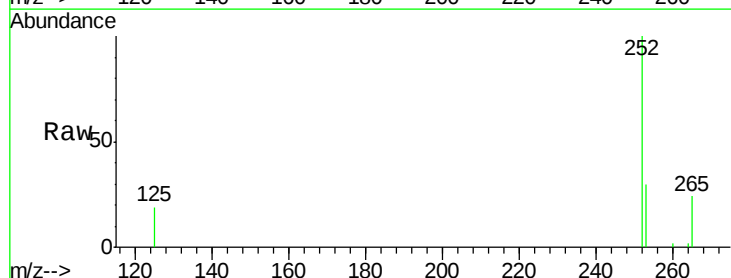
Tgt Ion:252 Resp: 9814

Ion Ratio Lower Upper

252 100

253 29.5 19.4 29.2#

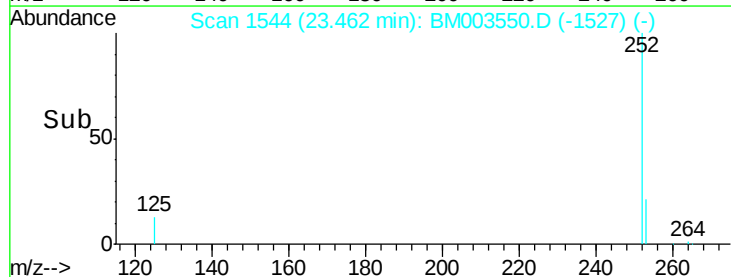
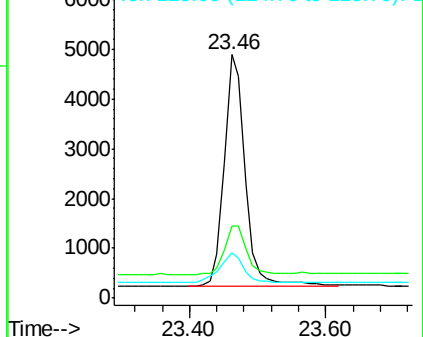
125 18.7 12.7 19.1

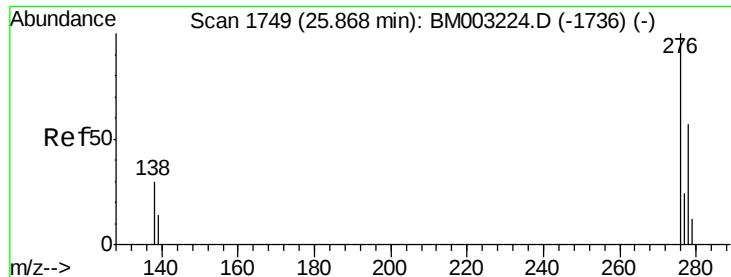


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

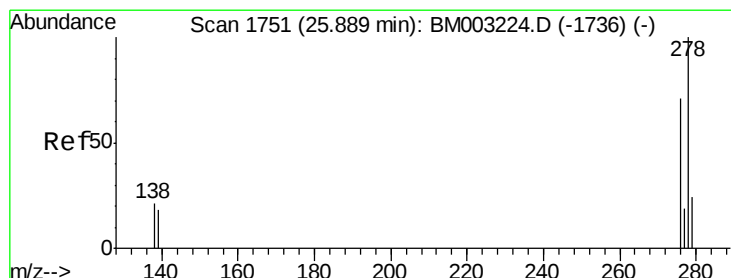
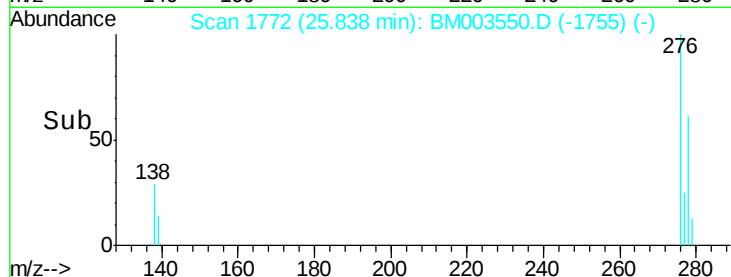
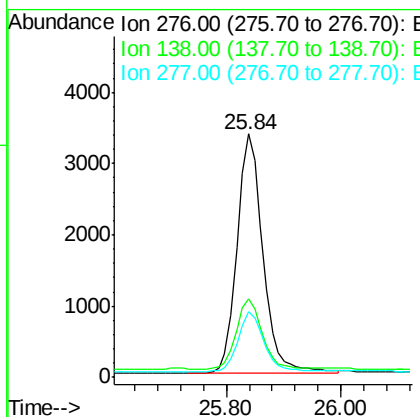
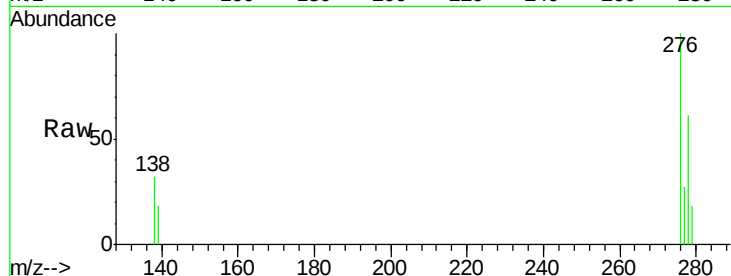




#26
Indeno(1,2,3-cd)pyrene
Concen: 0.15 ng/ul
RT: 25.84 min Scan# 1772
Delta R.T. -0.02 min
Lab File: BM003550.D
Acq: 15 Dec 2015 15:59

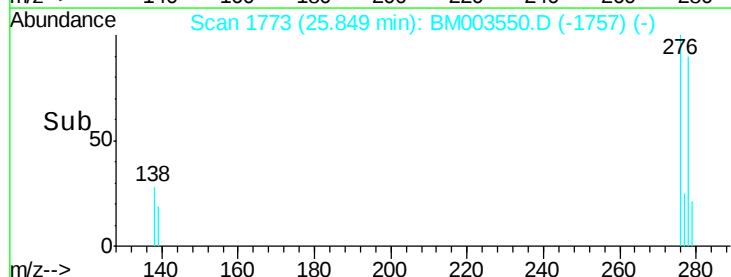
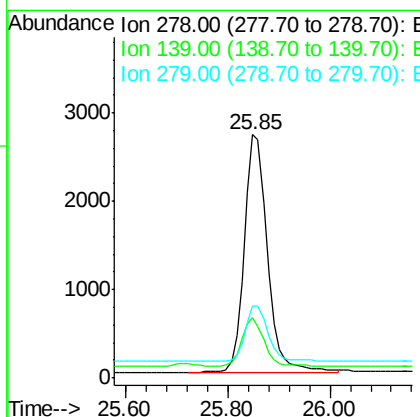
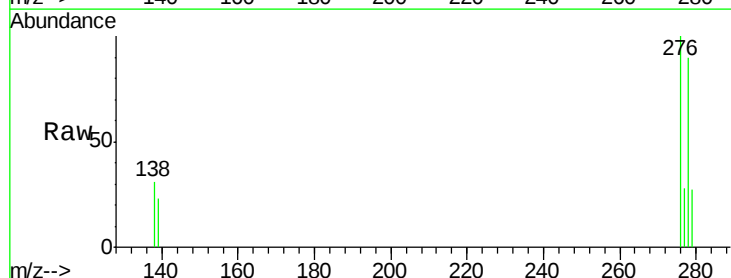
Instrument :
BNA_M
ClientSampleId :

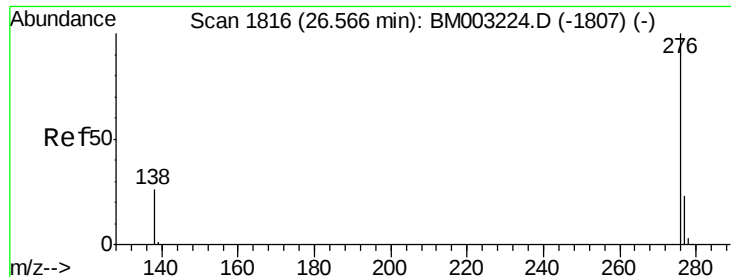
Tot Ion:276 Resp: 10523
Ion Ratio Lower Upper
276 100
138 29.5 16.3 24.5#
277 24.8 19.8 29.8



#27
Dibenzo(a,h)anthracene
Concen: 0.15 ng/ul
RT: 25.85 min Scan# 1773
Delta R.T. -0.03 min
Lab File: BM003550.D
Acq: 15 Dec 2015 15:59

Tgt Ion:278 Resp: 8409
Ion Ratio Lower Upper
278 100
139 25.1 16.4 24.6#
279 29.7 20.2 30.2





#28

Benzo(a,h,i)perylene

Concen: 0.15 ng/ul

RT: 26.54 min Scan# 1839

Delta R.T. -0.02 min

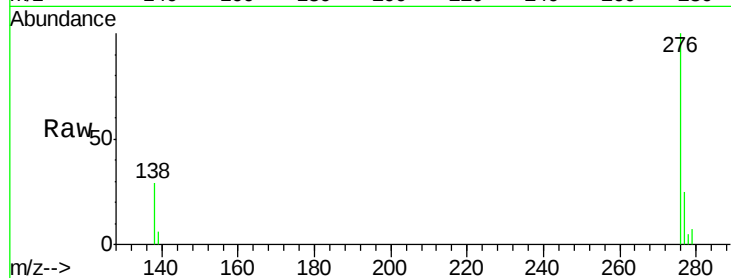
Lab File: BM003550.D

Acq: 15 Dec 2015 15:59

Instrument :

BNA_M

ClientSampleId :



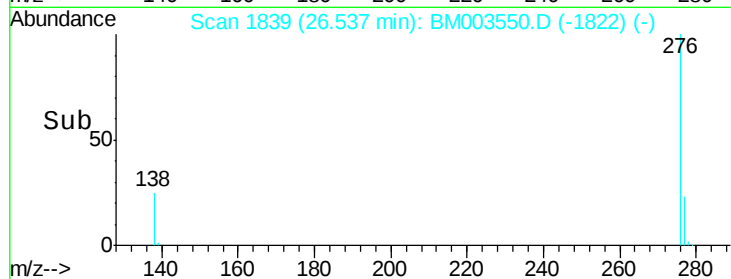
Tot Ion: 276 Resp: 9195

Ion Ratio Lower Upper

276 100

277 25.4 18.9 28.3

138 28.8 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

