

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM121515\
 Data File : BM003560.D
 Acq On : 15 Dec 2015 22:06
 Operator : UM/IZ
 Sample : G4734-02
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 A4KW2

Quant Time: Dec 16 05:56:14 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 : Wed Dec 16 05:49:57 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.71	152	4689	0.40	ng/ul	0.00
4) Naphthalene-d8	10.50	136	18108	0.40	ng/ul	0.00
8) Acenaphthene-d10	14.37	164	9588	0.40	ng/ul	0.00
12) Phenanthrene-d10	17.21	188	1268948	0.40	ng/ul	0.10
18) Chrysene-d12	21.31	240	19490	0.40	ng/ul	-0.01
22) Perylene-d12	23.42	264	1214229	0.40	ng/ul	-0.15

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
2) 1,4-Dioxane-d8	3.17	96	11330	5.65	ng/uL	-0.02
6) 2-Methylnaphthalene-d10	12.10	152	7165	0.33	ng/ul	0.00
16) Fluoranthene-d10	19.15	212	13766	0.01	ng/ul	0.00

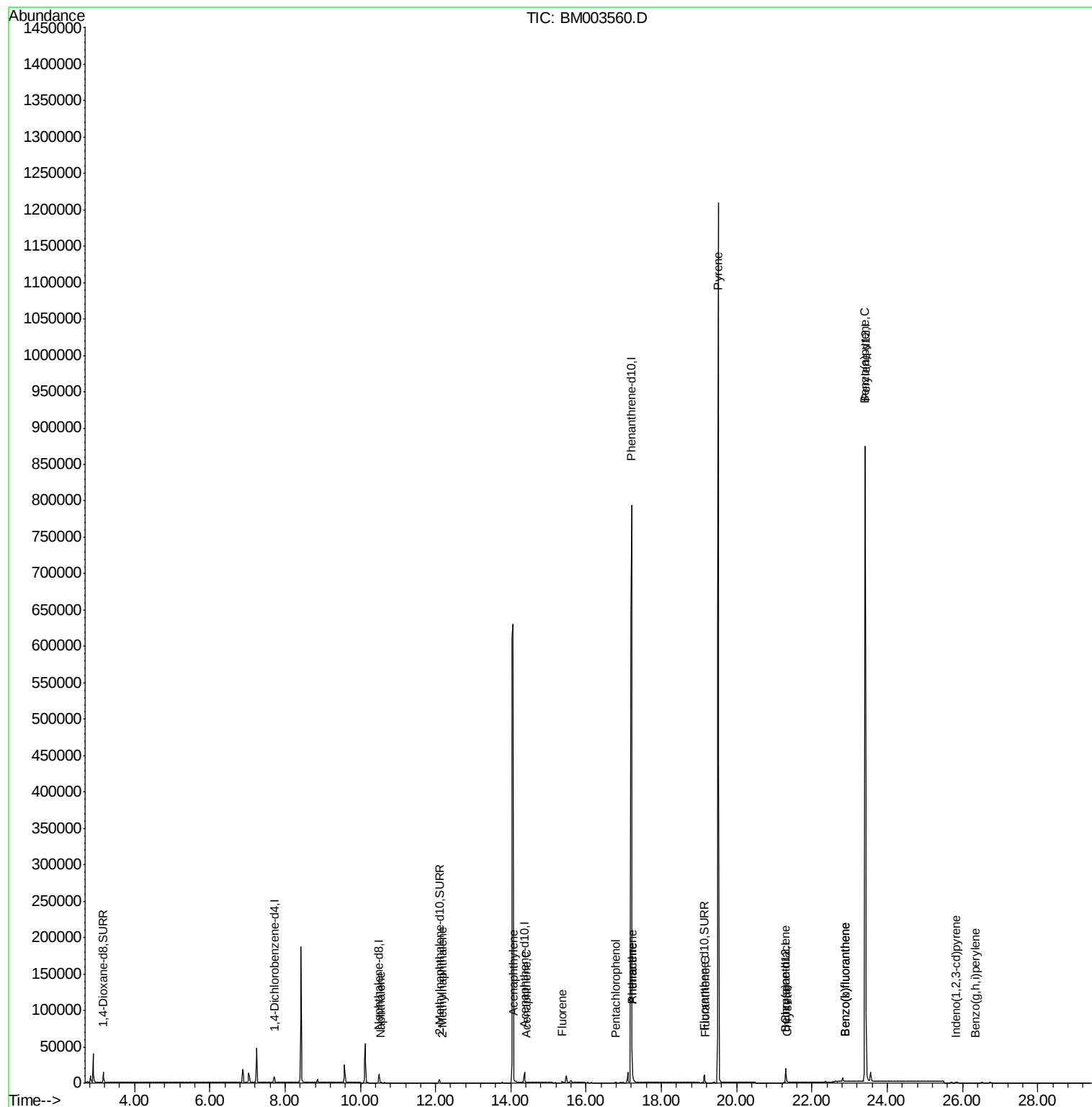
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Naphthalene	10.55	128	467	0.01	ng/ul#	52
7) 2-Methylnaphthalene	12.17	142	141	0.01	ng/ul	95
9) Acenaphthylene	14.07	152	192	0.01	ng/ul#	27
10) Acenaphthene	14.42	153	163	0.01	ng/ul#	78
11) Fluorene	15.36	166	2494	0.08	ng/ul#	20
13) Pentachlorophenol	16.78	266	147	0.00	ng/ul#	88
14) Phenanthrene	17.23	178	7827	0.00	ng/ul#	92
15) Anthracene	17.23	178	7924	0.00	ng/ul#	91
17) Fluoranthene	19.17	202	872	0.00	ng/ul	71
19) Pyrene	19.51	202	2970	0.06	ng/ul#	1
20) Benzo(a)anthracene	21.30	228	713	0.01	ng/ul#	58
21) Chrysene	21.34	228	2182	0.04	ng/ul#	85
23) Benzo(b)fluoranthene	22.88	252	1138	0.00	ng/ul#	11
24) Benzo(k)fluoranthene	22.88	252	1451	0.00	ng/ul#	13
25) Benzo(a)pyrene	23.41	252	4742	0.00	ng/ul#	61
26) Indeno(1,2,3-cd)pyrene	25.83	276	244	0.00	ng/ul#	70
28) Benzo(g,h,i)perylene	26.34	276	10	0.00	ng/ul#	1

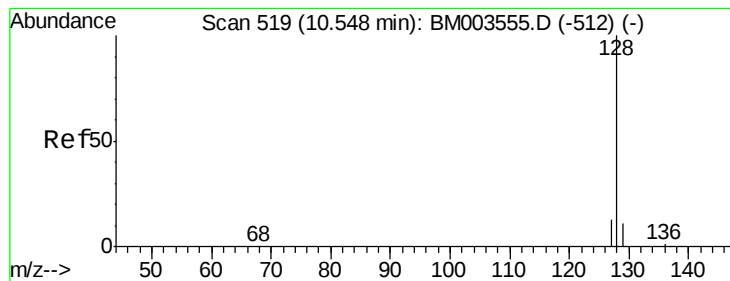
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM121515\
Data File : BM003560.D
Acq On : 15 Dec 2015 22:06
Operator : UM/IZ
Sample : G4734-02
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
A4KW2

Quant Time: Dec 16 05:56:14 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 : Wed Dec 16 05:49:57 2015
Response via : Initial Calibration





#5

Naphthalene

Concen: 0.01 ng/ul

RT: 10.55 min Scan# 519

Delta R.T. 0.00 min

Lab File: BM003560.D

Acq: 15 Dec 2015 22:06

Instrument :

BNA_M

ClientSampleId :

A4KW2

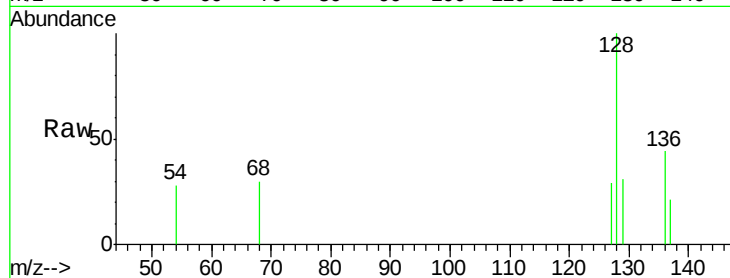
Tgt Ion:128 Resp: 467

Ion Ratio Lower Upper

128 100

129 31.5 9.0 13.6#

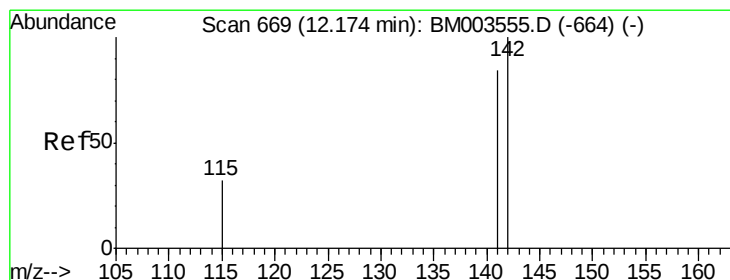
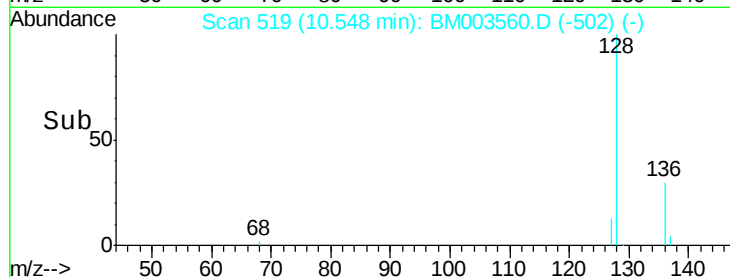
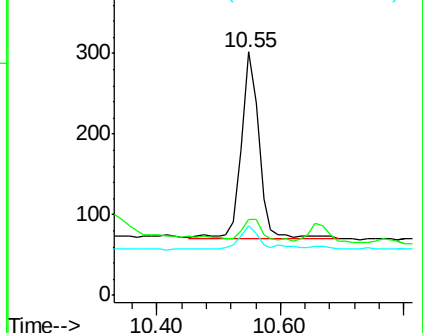
127 28.8 9.6 14.4#



Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E



#7

2-Methylnaphthalene

Concen: 0.01 ng/ul

RT: 12.17 min Scan# 669

Delta R.T. 0.00 min

Lab File: BM003560.D

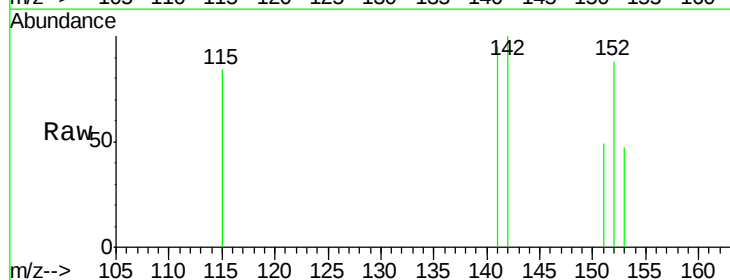
Acq: 15 Dec 2015 22:06

Tgt Ion:142 Resp: 141

Ion Ratio Lower Upper

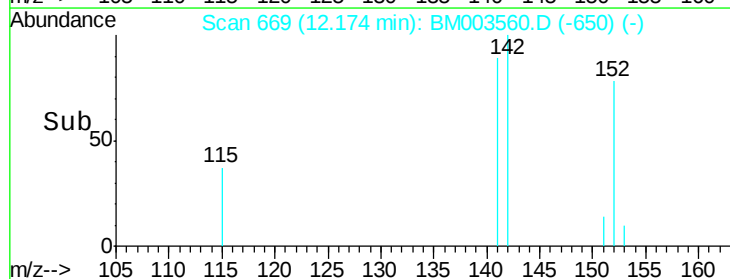
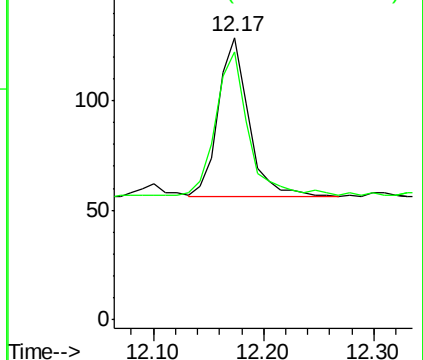
142 100

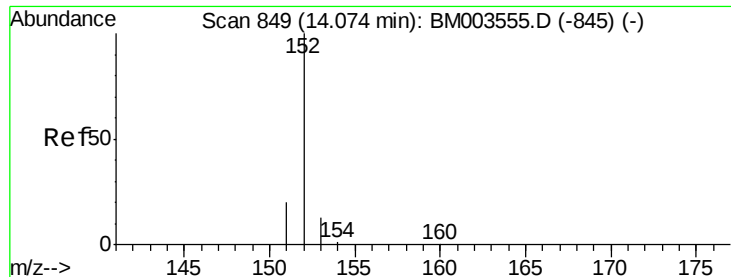
141 92.9 70.3 105.5



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#9

Acenaphthylene

Concen: 0.01 ng/ul

RT: 14.07 min Scan# 849

Delta R.T. 0.00 min

Lab File: BM003560.D

Acq: 15 Dec 2015 22:06

Instrument :

BNA_M

ClientSampleId :

A4KW2

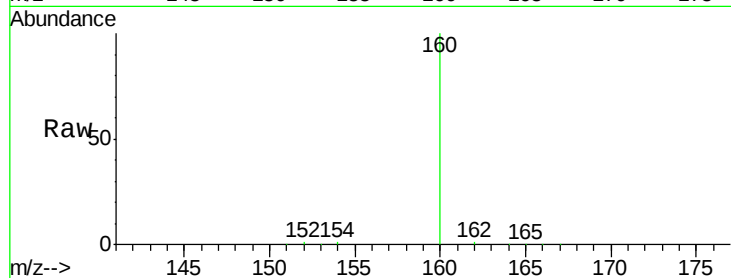
Tgt Ion:152 Resp: 192

Ion Ratio Lower Upper

152 100

151 49.0 17.6 26.4#

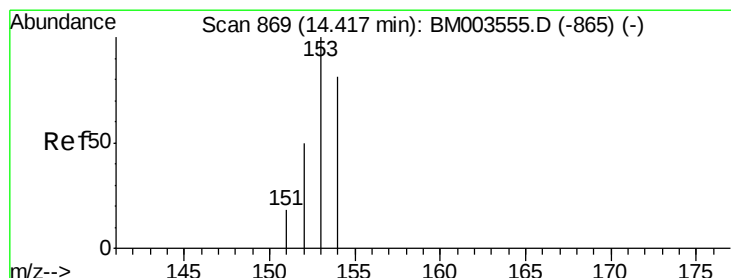
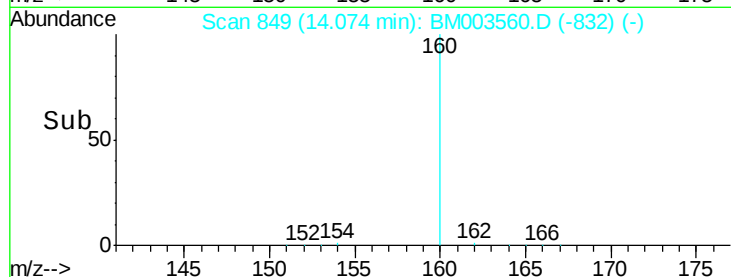
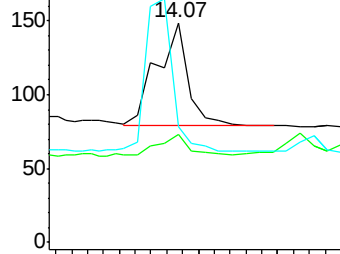
153 52.3 9.7 14.5#



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: 14.42 min Scan# 869

Delta R.T. 0.00 min

Lab File: BM003560.D

Acq: 15 Dec 2015 22:06

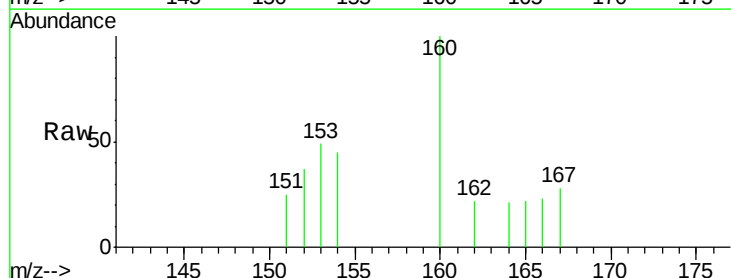
Tgt Ion:153 Resp: 163

Ion Ratio Lower Upper

153 100

152 75.5 33.9 50.9#

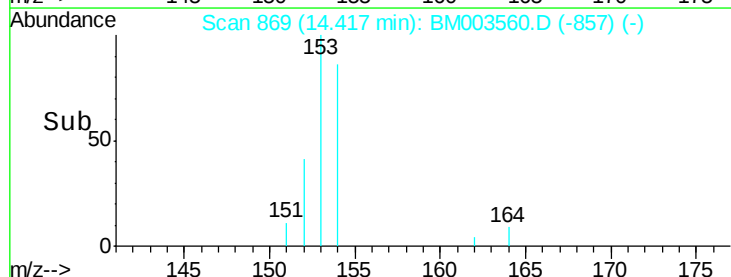
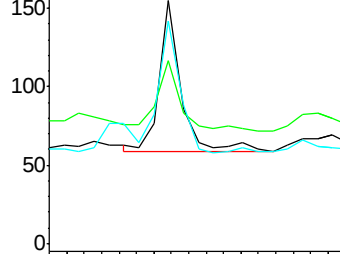
154 91.6 80.6 121.0

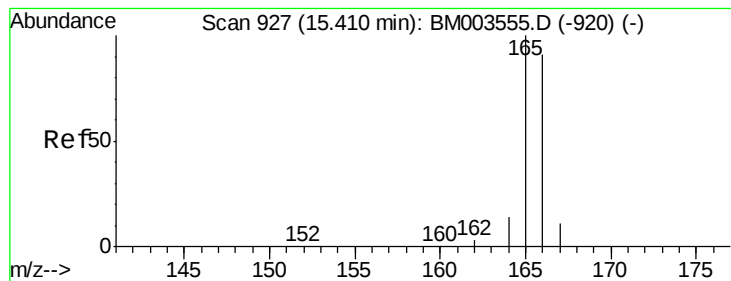


Abundance Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

Ion 154.00 (153.70 to 154.70): E





#11

Fluorene

Concen: 0.08 ng/ul

RT: 15.36 min Scan# 924

Delta R.T. -0.05 min

Lab File: BM003560.D

Acq: 15 Dec 2015 22:06

Instrument :

BNA_M

ClientSampleId :

A4KW2

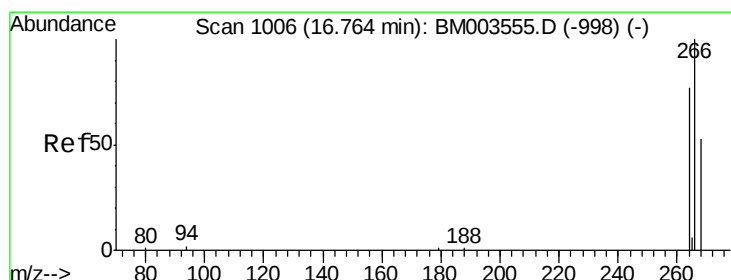
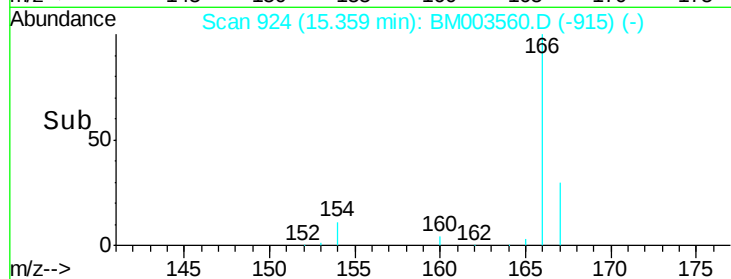
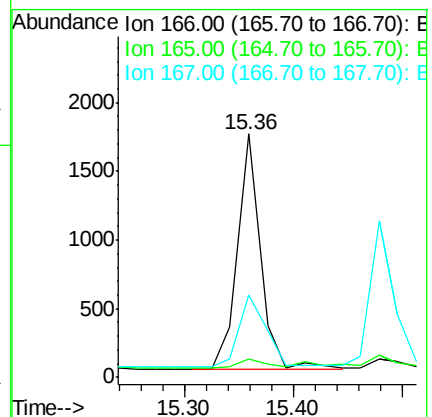
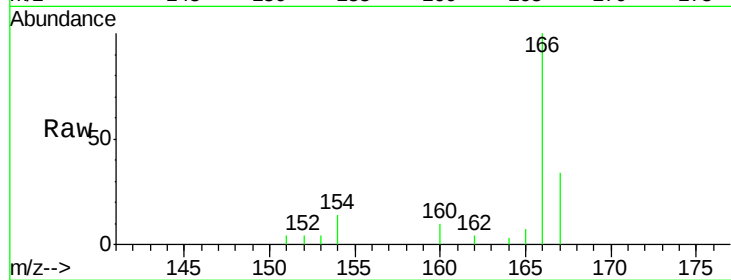
Tgt Ion:166 Resp: 2494

Ion Ratio Lower Upper

166 100

165 7.3 69.6 104.4#

167 33.6 11.9 17.9#



#13

Pentachlorophenol

Concen: 0.00 ng/ul

RT: 16.78 min Scan# 1007

Delta R.T. 0.02 min

Lab File: BM003560.D

Acq: 15 Dec 2015 22:06

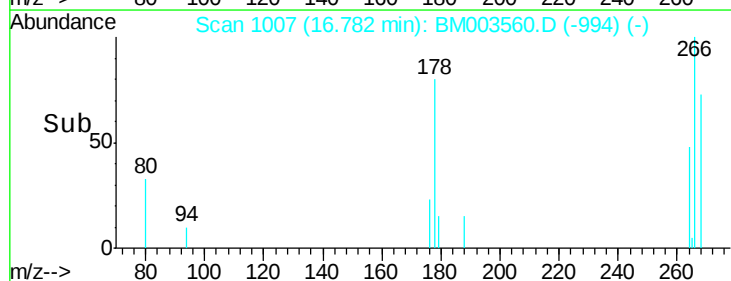
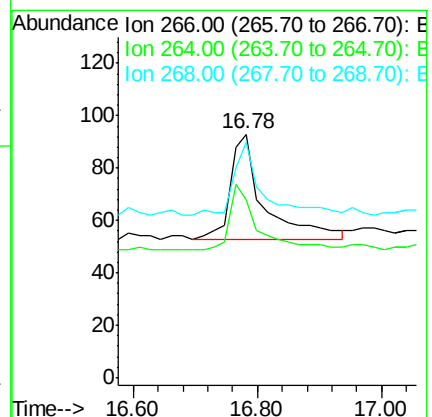
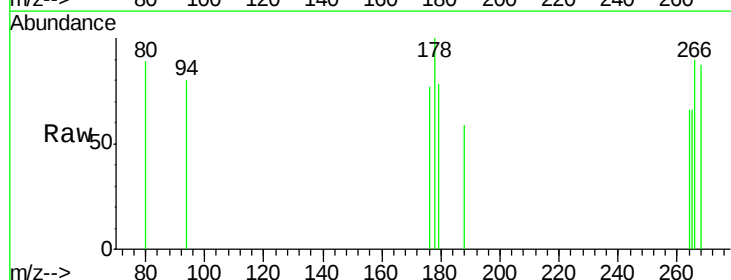
Tgt Ion:266 Resp: 147

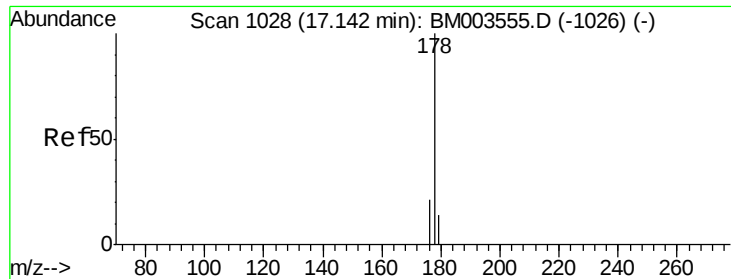
Ion Ratio Lower Upper

266 100

264 51.7 51.8 77.8#

268 63.9 46.8 70.2





#14

Phenanthrene

Concen: 0.00 ng/ul

RT: 17.23 min Scan# 1033

Delta R.T. 0.09 min

Lab File: BM003560.D

Acq: 15 Dec 2015 22:06

Instrument :

BNA_M

ClientSampleId :

A4KW2

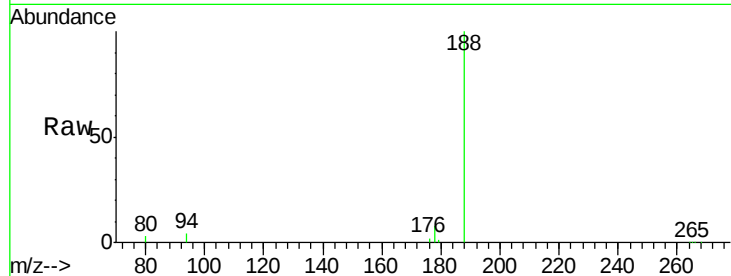
Tgt Ion:178 Resp: 7827

Ion Ratio Lower Upper

178 100

176 22.7 13.0 19.4#

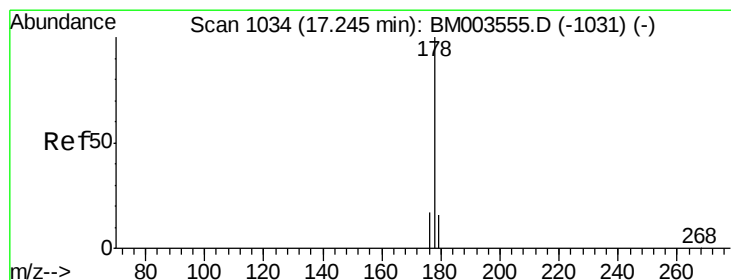
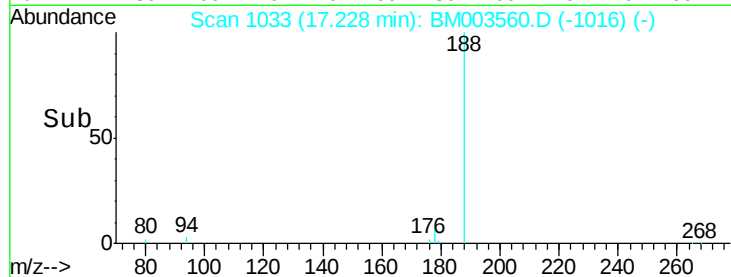
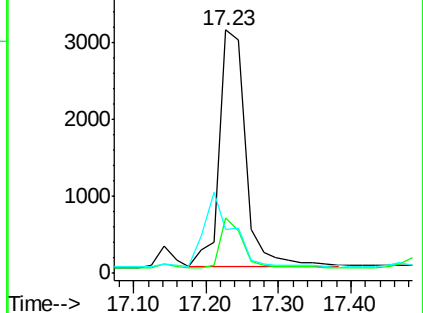
179 18.3 14.2 21.2



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



#15

Anthracene

Concen: 0.00 ng/ul

RT: 17.23 min Scan# 1033

Delta R.T. -0.02 min

Lab File: BM003560.D

Acq: 15 Dec 2015 22:06

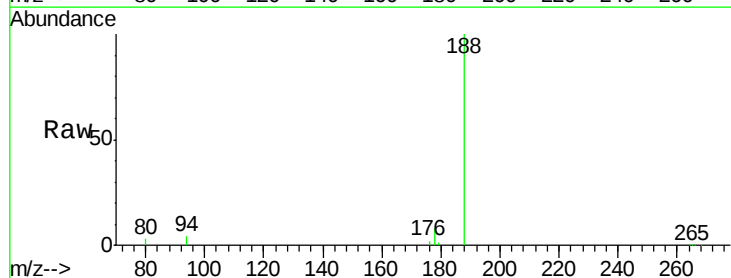
Tgt Ion:178 Resp: 7924

Ion Ratio Lower Upper

178 100

176 22.7 14.0 21.0#

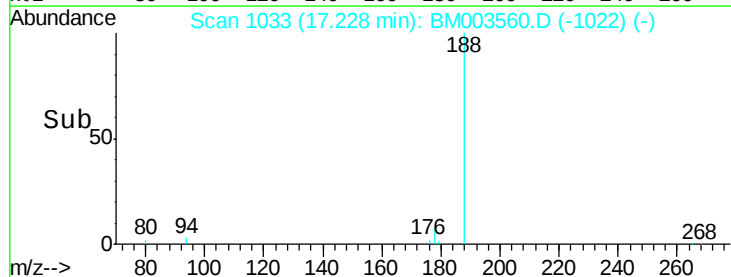
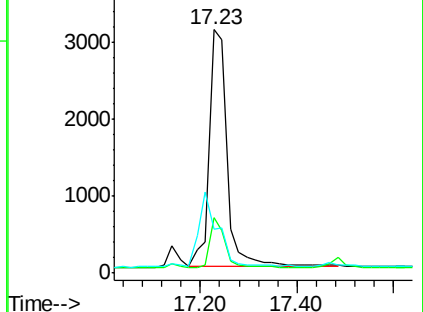
179 18.3 12.9 19.3

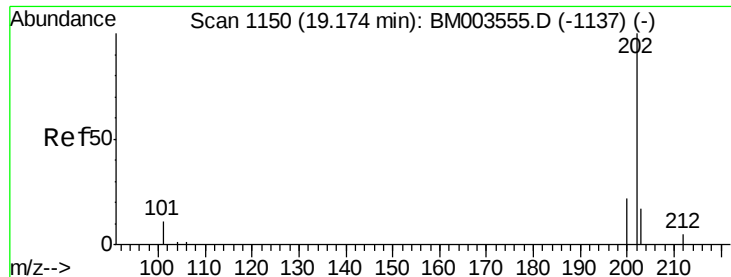


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E

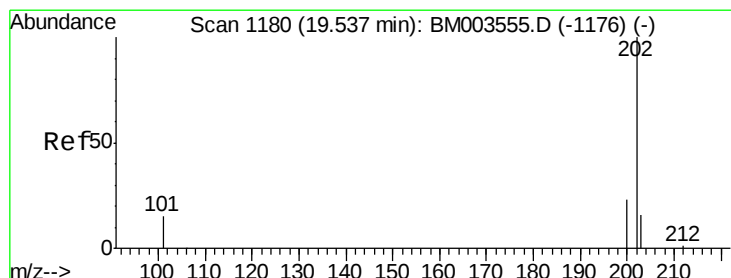
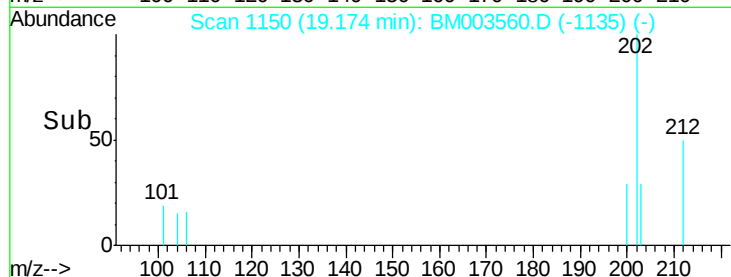
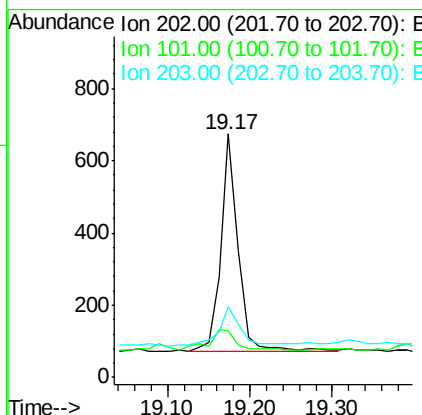
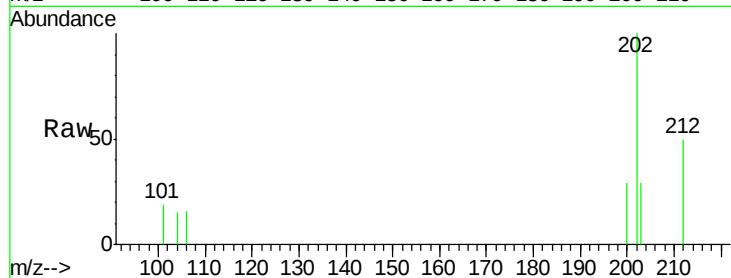




#17
Fluoranthene
Concen: 0.00 ng/ul
RT: 19.17 min Scan# 1150
Delta R.T. 0.00 min
Lab File: BM003560.D
Acq: 15 Dec 2015 22:06

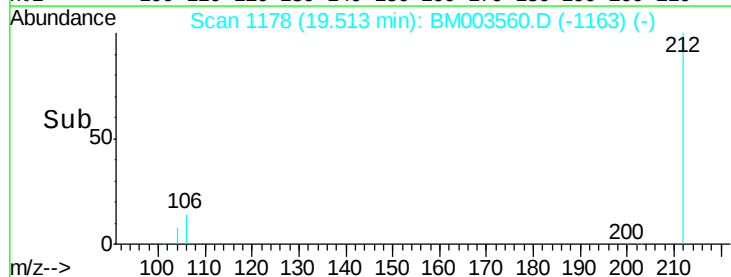
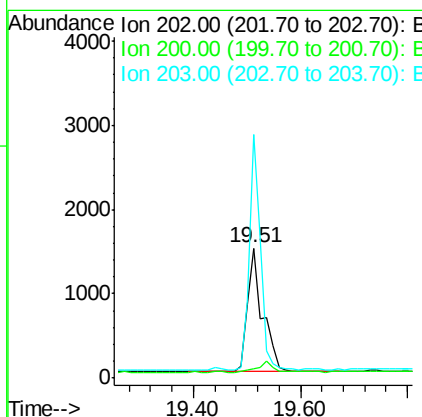
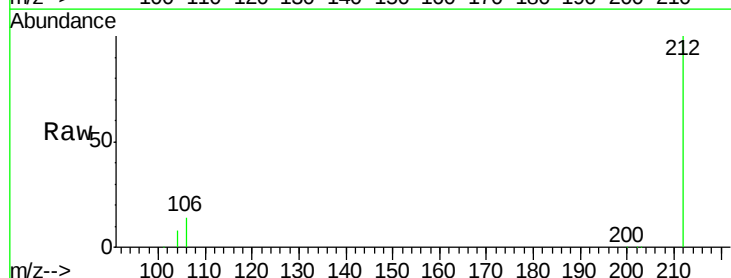
Instrument :
BNA_M
ClientSampleId :
A4KW2

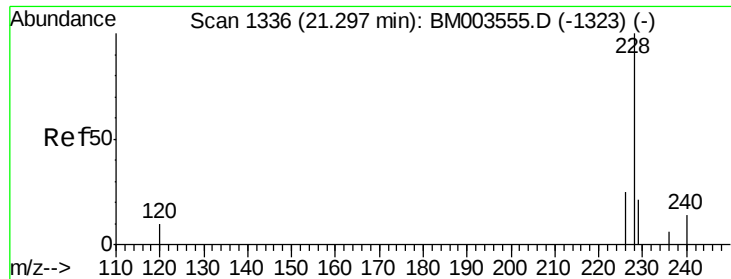
Tgt Ion: 202 Resp: 872
Ion Ratio Lower Upper
202 100
101 19.1 0.0 29.6
203 29.4 0.0 36.3



#19
Pyrene
Concen: 0.06 ng/ul
RT: 19.51 min Scan# 1178
Delta R.T. -0.02 min
Lab File: BM003560.D
Acq: 15 Dec 2015 22:06

Tgt Ion: 202 Resp: 2970
Ion Ratio Lower Upper
202 100
200 7.0 17.8 26.8#
203 186.9 12.8 19.2#





#20

Benzo(a)anthracene

Concen: 0.01 ng/ul

RT: 21.30 min Scan# 1336

Delta R.T. 0.00 min

Lab File: BM003560.D

Acq: 15 Dec 2015 22:06

Instrument :

BNA_M

ClientSampleId :

A4KW2

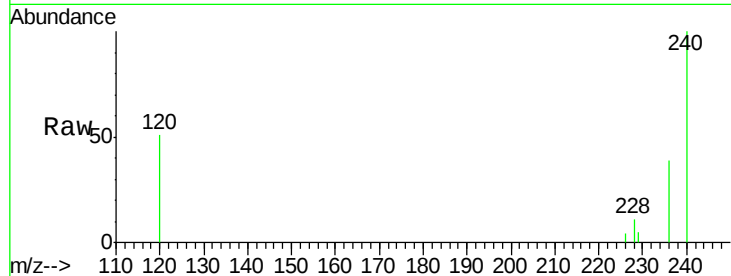
Tgt Ion:228 Resp: 713

Ion Ratio Lower Upper

228 100

226 42.2 18.8 28.2#

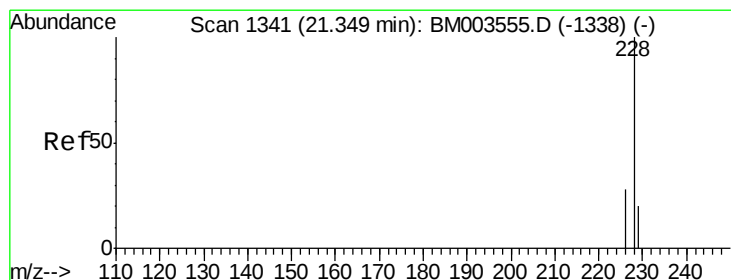
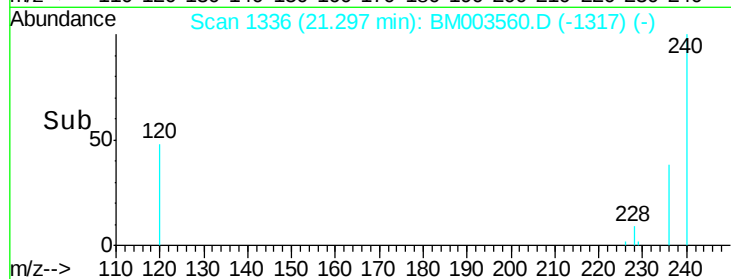
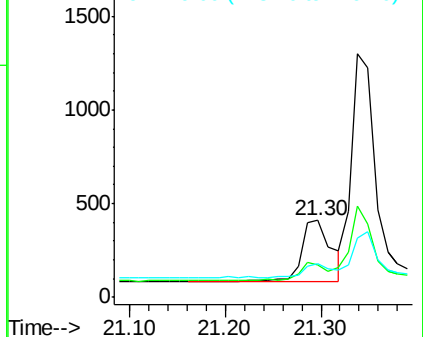
229 43.7 17.1 25.7#



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: 0.04 ng/ul

RT: 21.34 min Scan# 1340

Delta R.T. -0.01 min

Lab File: BM003560.D

Acq: 15 Dec 2015 22:06

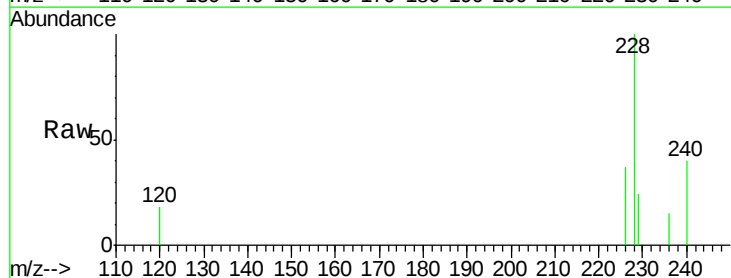
Tgt Ion:228 Resp: 2182

Ion Ratio Lower Upper

228 100

226 37.3 21.2 31.8#

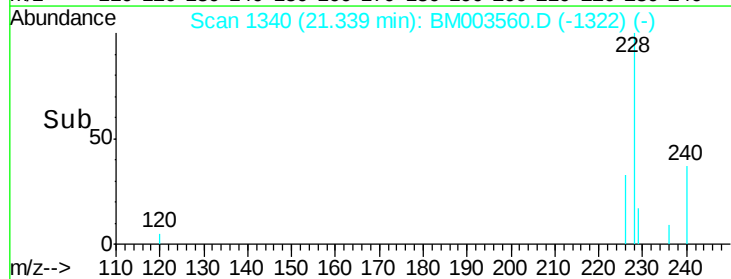
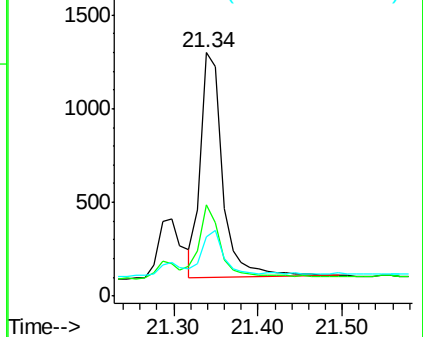
229 24.4 17.0 25.6

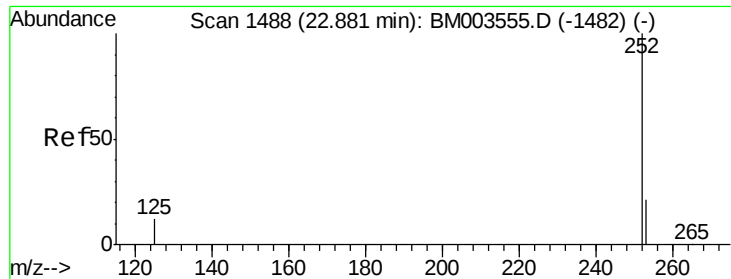


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#23

Benzo(b)fluoranthene

Concen: 0.00 ng/u1

RT: 22.88 min Scan# 1488

Delta R.T. 0.00 min

Lab File: BM003560.D

Acq: 15 Dec 2015 22:06

Instrument :

BNA_M

ClientSampleId :

A4KW2

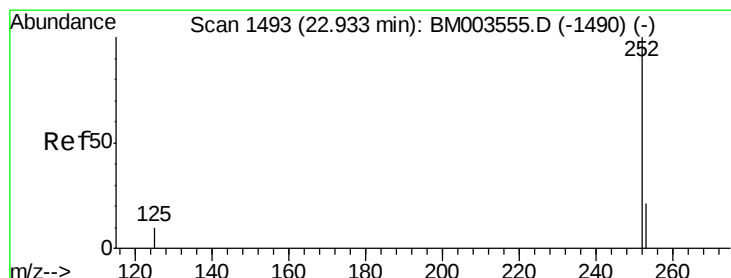
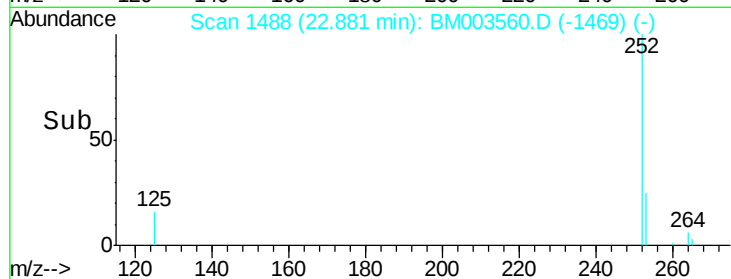
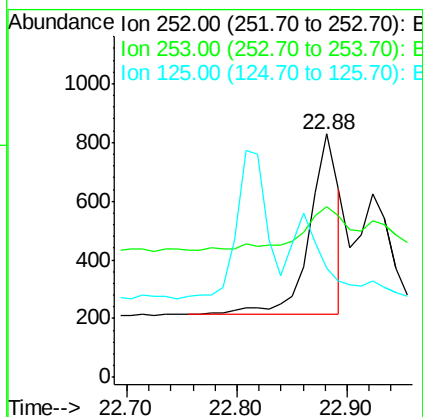
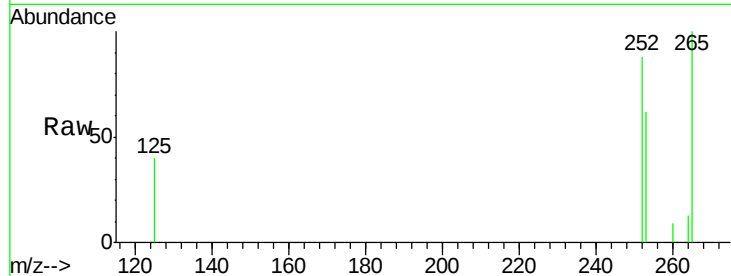
Tgt Ion:252 Resp: 1138

Ion Ratio Lower Upper

252 100

253 70.2 0.0 45.4#

125 45.1 0.0 28.8#



#24

Benzo(k)fluoranthene

Concen: 0.00 ng/u1

RT: 22.88 min Scan# 1488

Delta R.T. -0.05 min

Lab File: BM003560.D

Acq: 15 Dec 2015 22:06

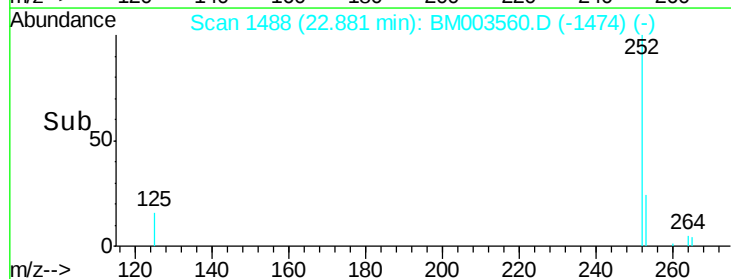
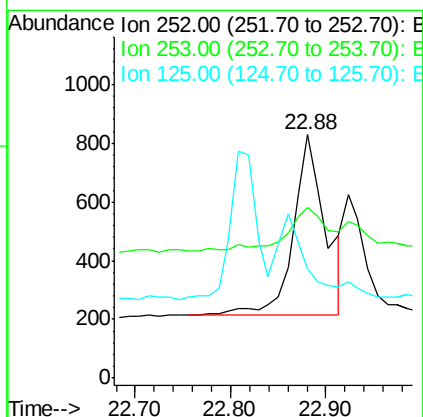
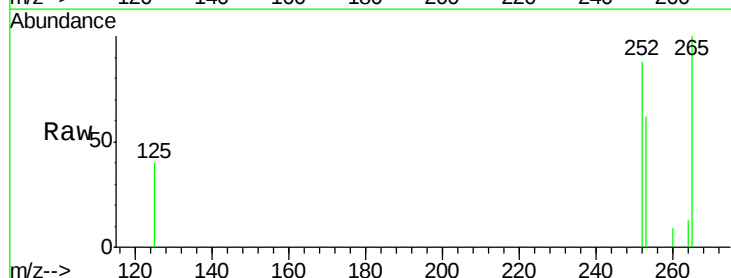
Tgt Ion:252 Resp: 1451

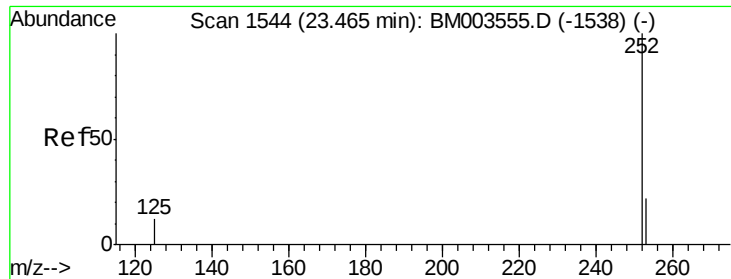
Ion Ratio Lower Upper

252 100

253 70.2 19.8 29.8#

125 45.1 10.4 15.6#





#25

Benzo(a)pyrene

Concen: 0.00 ng/u1

RT: 23.41 min Scan# 1539

Delta R.T. -0.05 min

Lab File: BM003560.D

Acq: 15 Dec 2015 22:06

Instrument :

BNA_M

ClientSampleId :

A4KW2

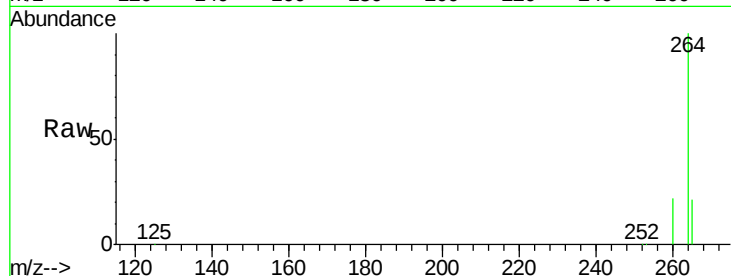
Tgt Ion:252 Resp: 4742

Ion Ratio Lower Upper

252 100

253 40.9 19.4 29.2#

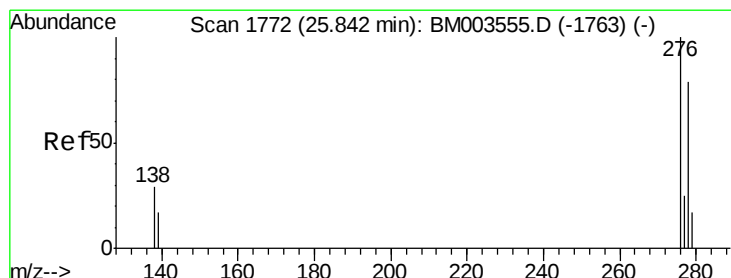
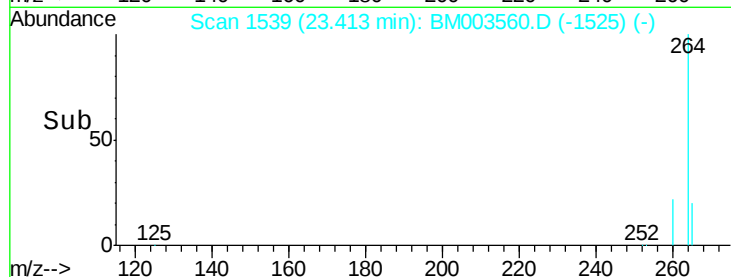
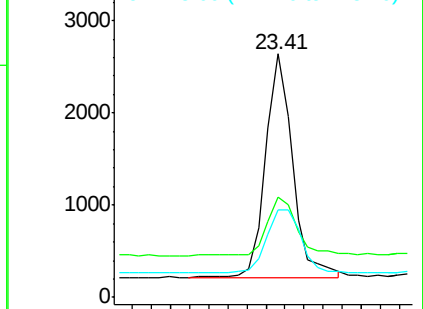
125 35.9 12.7 19.1#



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: 0.00 ng/u1

RT: 25.83 min Scan# 1771

Delta R.T. -0.01 min

Lab File: BM003560.D

Acq: 15 Dec 2015 22:06

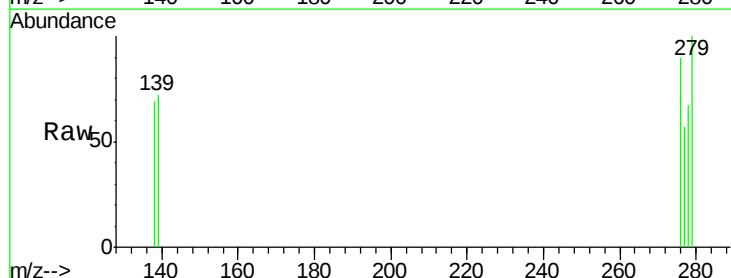
Tgt Ion:276 Resp: 244

Ion Ratio Lower Upper

276 100

138 0.0 16.3 24.5#

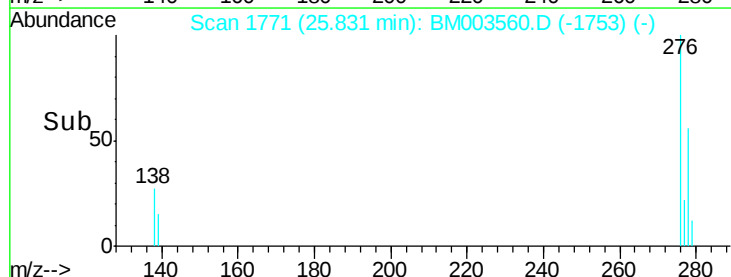
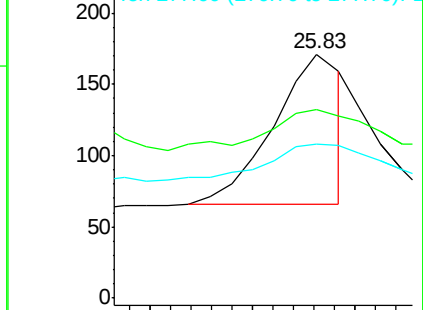
277 34.0 19.8 29.8#

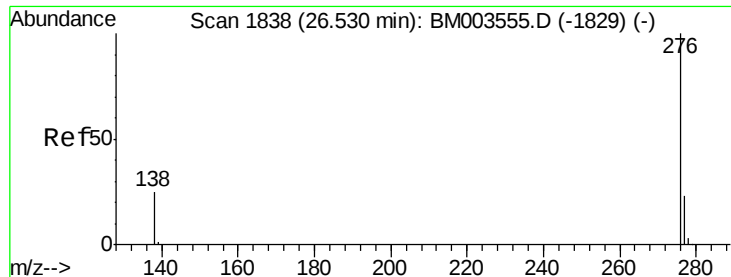


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E





#28

Benzo(g,h,i)perylene

Concen: 0.00 ng/ul

RT: 26.34 min Scan# 1820

Delta R.T. -0.19 min

Lab File: BM003560.D

Acq: 15 Dec 2015 22:06

Instrument :

BNA_M

ClientSampleId :

A4KW2

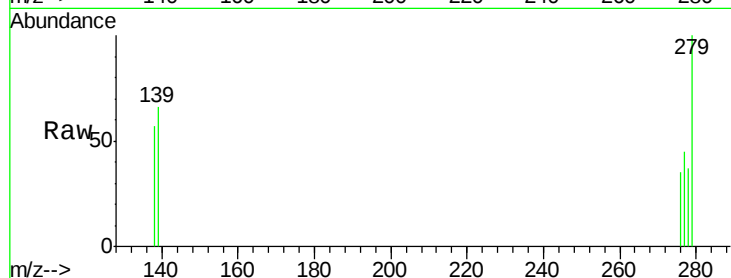
Tgt Ion: 276 Resp: 10

Ion Ratio Lower Upper

276 100

277 127.7 18.9 28.3#

138 161.5 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

