

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM111815\
 Data File : BM003175.D
 Acq On : 19 Nov 2015 00:11
 Operator : UM/IZ
 Sample : G4323-02
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 A4HT3

Quant Time: Nov 19 03:22:40 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 : Thu Nov 19 03:20:59 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.74	152	33253	0.40	ng/ul	0.00
4) Naphthalene-d8	10.53	136	128001	0.40	ng/ul	0.00
8) Acenaphthene-d10	14.38	164	72629	0.40	ng/ul	0.00
12) Phenanthrene-d10	17.12	188	161486	0.40	ng/ul	0.00
18) Chrysene-d12	21.32	240	236387	0.40	ng/ul	0.00
22) Perylene-d12	23.57	264	236356	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	115224	3.24	ng/uL	0.00
6) 2-Methylnaphthalene-d10	12.12	152	33454	0.19	ng/ul	0.00
16) Fluoranthene-d10	19.17	212	69931	0.18	ng/ul	0.00

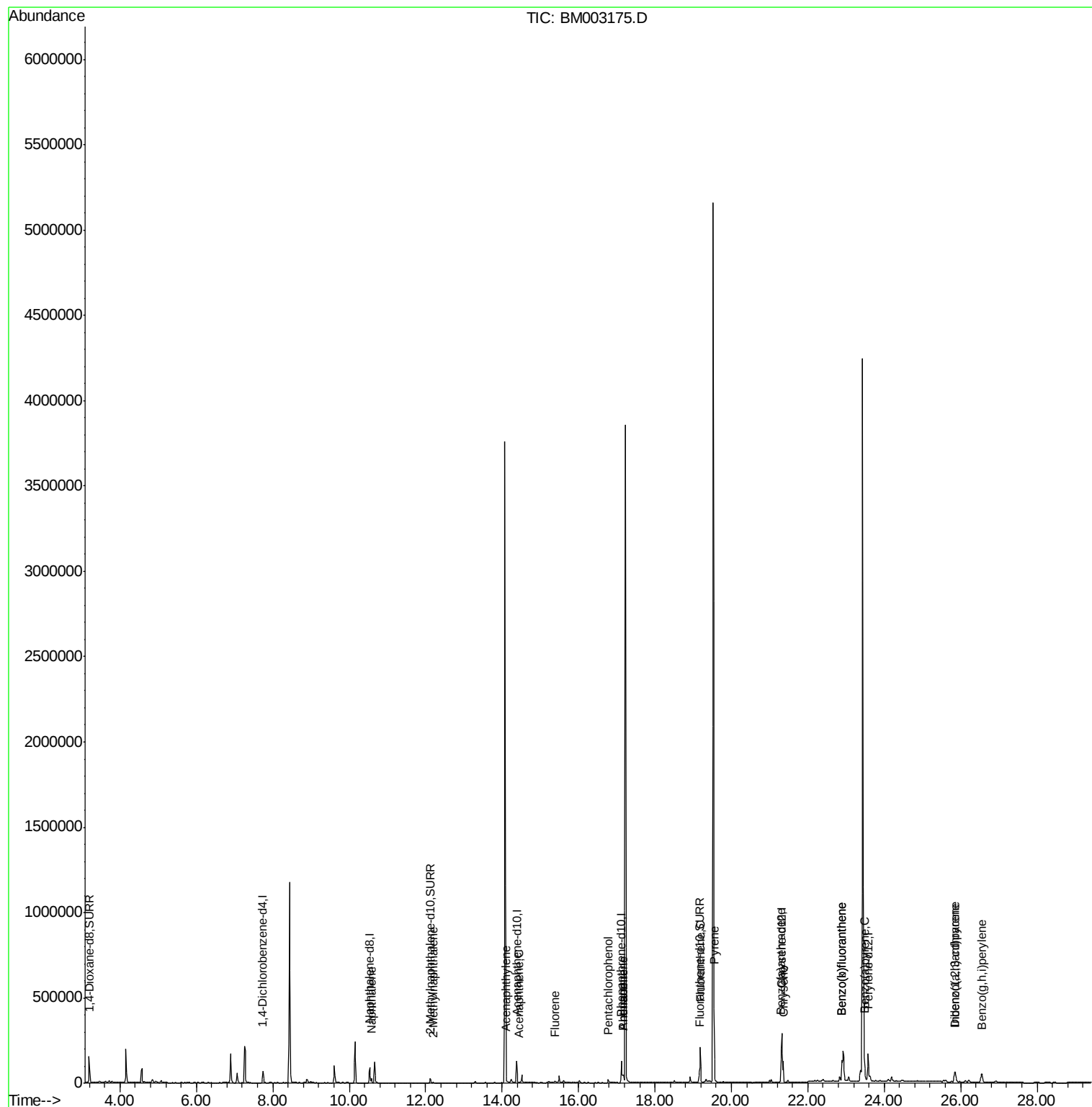
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Naphthalene	10.58	128	37207	0.11	ng/ul	98
7) 2-Methylnaphthalene	12.19	142	2100	0.01	ng/ul#	100
9) Acenaphthylene	14.11	152	13252	0.04	ng/ul#	92
10) Acenaphthene	14.45	153	1302	0.01	ng/ul#	82
11) Fluorene	15.39	166	11599	0.04	ng/ul#	21
13) Pentachlorophenol	16.78	266	15129	0.40	ng/ul#	17
14) Phenanthrene	17.17	178	66684	0.14	ng/ul	98
15) Anthracene	17.17	178	66208	0.17	ng/ul	96
17) Fluoranthene	19.19	202	188370	0.36	ng/ul	98
19) Pyrene	19.55	202	197527	0.24	ng/ul	98
20) Benzo(a)anthracene	21.30	228	113208	0.17	ng/ul#	89
21) Chrysene	21.35	228	123579	0.16	ng/ul	94
23) Benzo(b)fluoranthene	22.90	252	259469	0.29	ng/ul	92
24) Benzo(k)fluoranthene	22.90	252	259469	0.31	ng/ul#	93
25) Benzo(a)pyrene	23.48	252	149305	0.19	ng/ul	98
26) Indeno(1,2,3-cd)pyrene	25.85	276	103354	0.11	ng/ul#	100
27) Dibenzo(a,h)anthracene	25.86	278	22277	0.03	ng/ul#	66
28) Benzo(g,h,i)perylene	26.56	276	104996	0.13	ng/ul	97

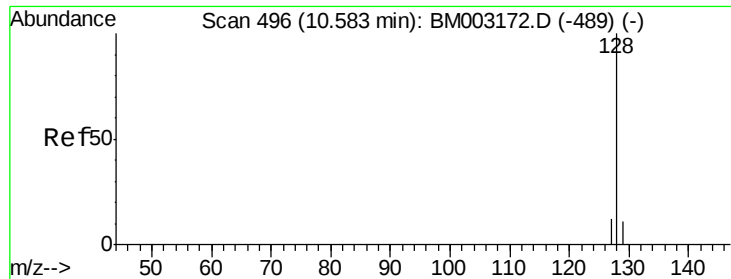
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#5

Naphthalene

Concen: 0.11 ng/ul

RT: 10.58 min Scan# 496

Delta R.T. 0.00 min

Lab File: BM003175.D

Acq: 19 Nov 2015 00:11

Instrument :

BNA_M

ClientSampleId :

A4HT3

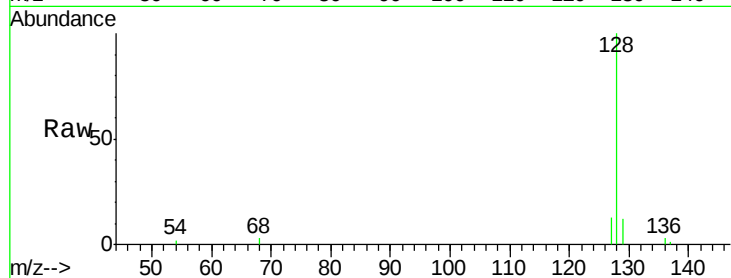
Tgt Ion:128 Resp: 37207

Ion Ratio Lower Upper

128 100

129 12.0 9.0 13.6

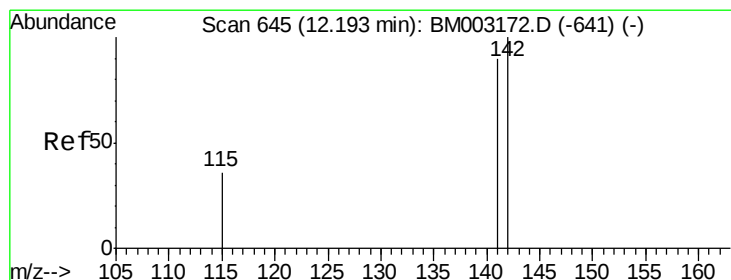
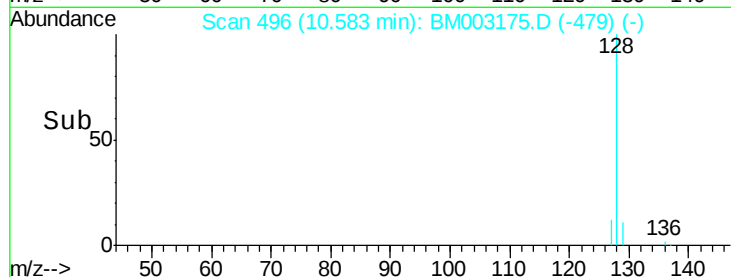
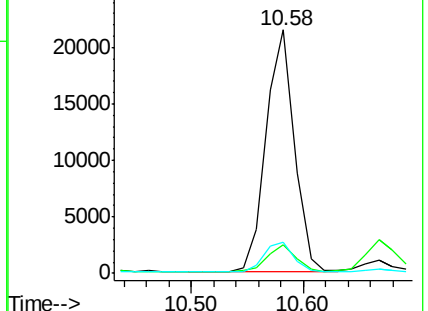
127 12.6 9.6 14.4



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: 12.19 min Scan# 645

Delta R.T. 0.00 min

Lab File: BM003175.D

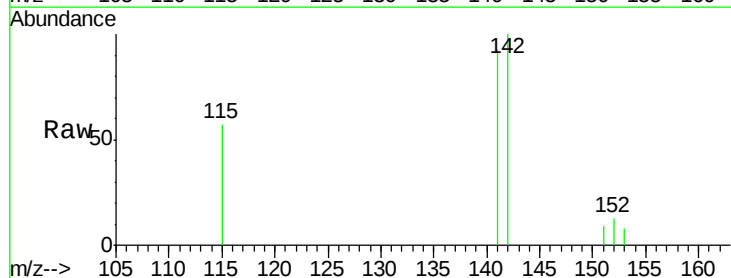
Acq: 19 Nov 2015 00:11

Tgt Ion:142 Resp: 2100

Ion Ratio Lower Upper

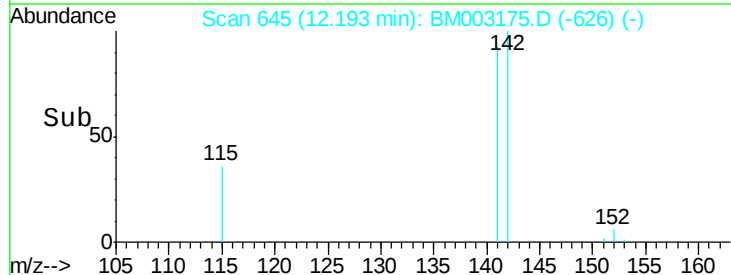
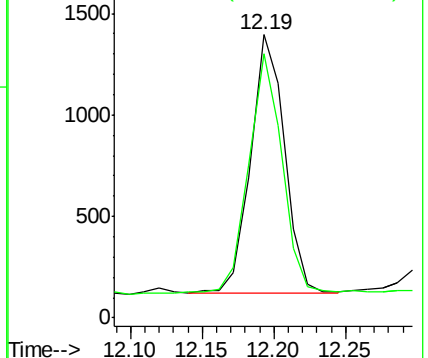
142 100

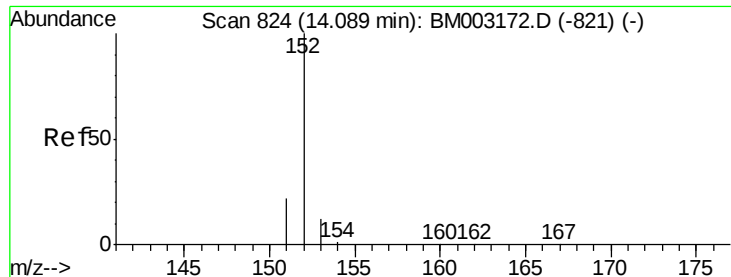
141 92.9 0.0 0.0#



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#9

Acenaphthylene

Concen: 0.04 ng/ul

RT: 14.11 min Scan# 825

Delta R.T. 0.02 min

Lab File: BM003175.D

Acq: 19 Nov 2015 00:11

Instrument :

BNA_M

ClientSampleId :

A4HT3

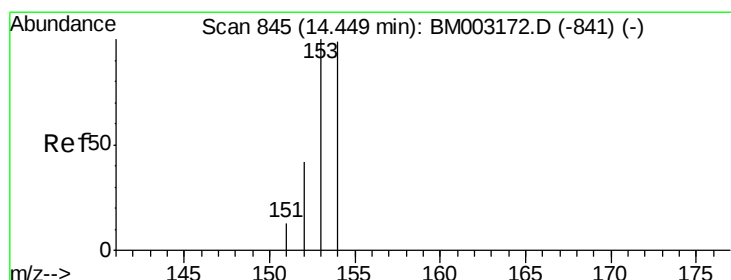
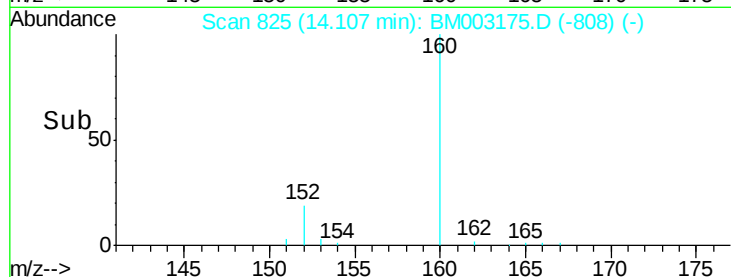
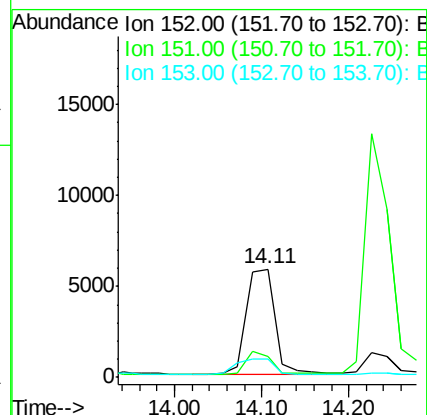
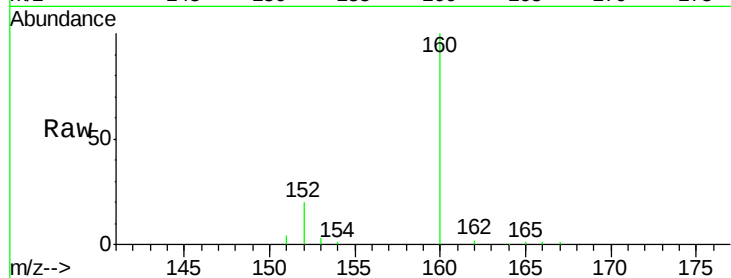
Tgt Ion:152 Resp: 13252

Ion Ratio Lower Upper

152 100

151 19.5 17.6 26.4

153 17.1 9.7 14.5#



#10

Acenaphthene

Concen: 0.01 ng/ul

RT: 14.45 min Scan# 845

Delta R.T. 0.00 min

Lab File: BM003175.D

Acq: 19 Nov 2015 00:11

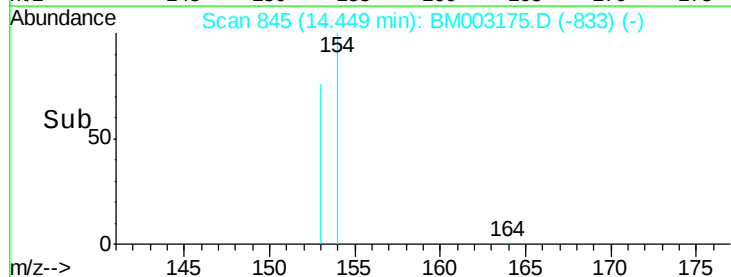
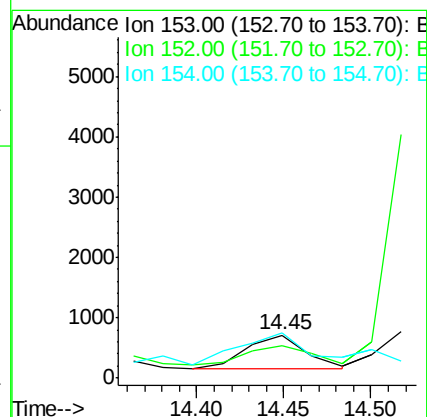
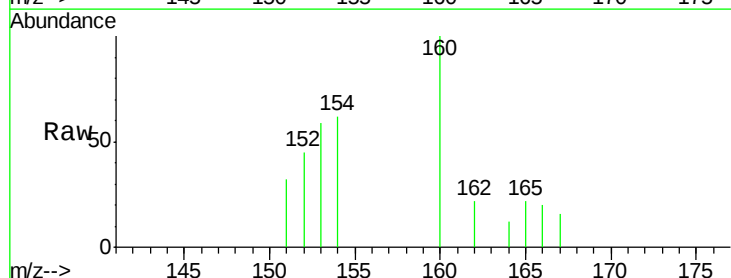
Tgt Ion:153 Resp: 1302

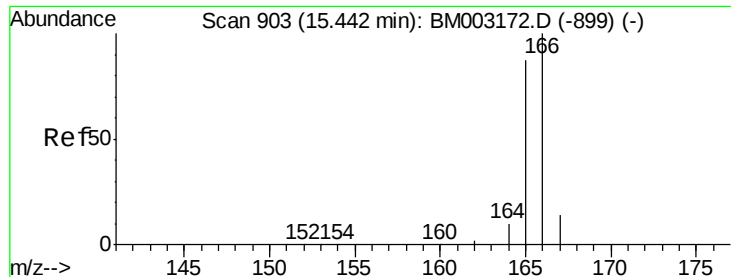
Ion Ratio Lower Upper

153 100

152 75.2 33.9 50.9#

154 105.0 80.6 121.0





#11

Fluorene

Concen: 0.04 ng/ul

RT: 15.39 min Scan# 900

Delta R.T. -0.05 min

Lab File: BM003175.D

Acq: 19 Nov 2015 00:11

Instrument :

BNA_M

ClientSampleId :

A4HT3

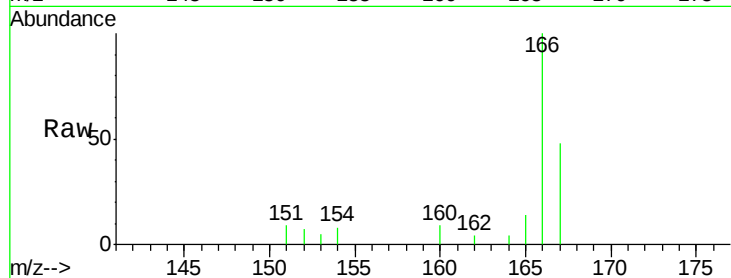
Tgt Ion:166 Resp: 11599

Ion Ratio Lower Upper

166 100

165 14.4 69.6 104.4#

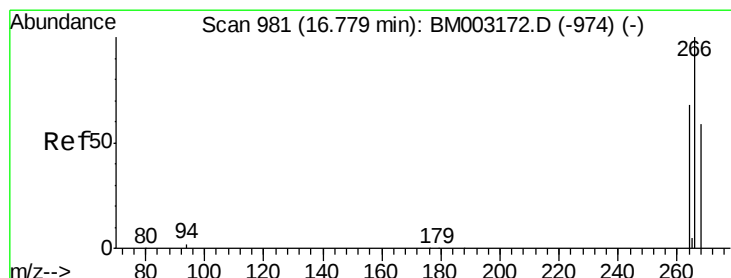
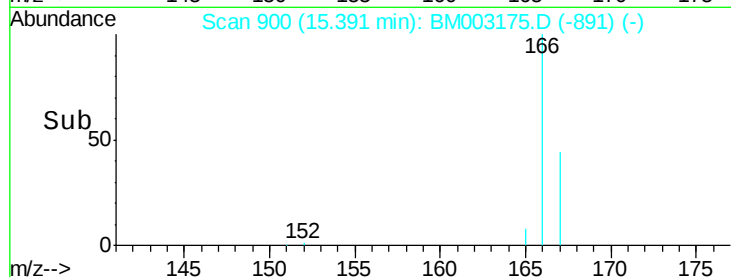
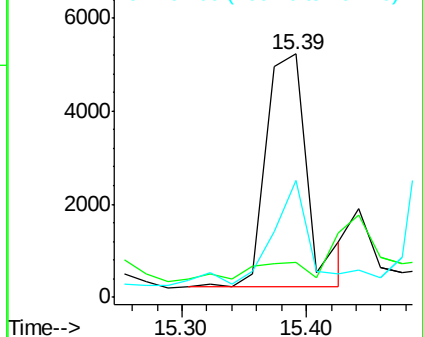
167 47.8 11.9 17.9#



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: 0.40 ng/ul

RT: 16.78 min Scan# 981

Delta R.T. 0.00 min

Lab File: BM003175.D

Acq: 19 Nov 2015 00:11

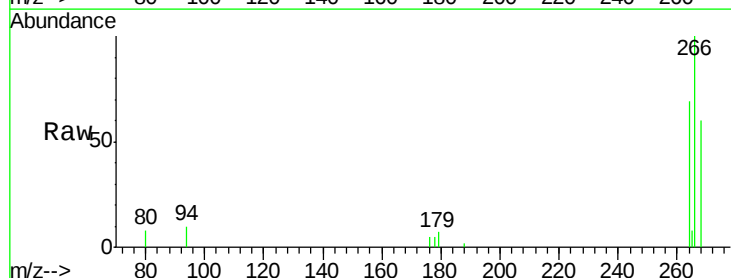
Tgt Ion:266 Resp: 15129

Ion Ratio Lower Upper

266 100

264 62.9 0.3 0.5#

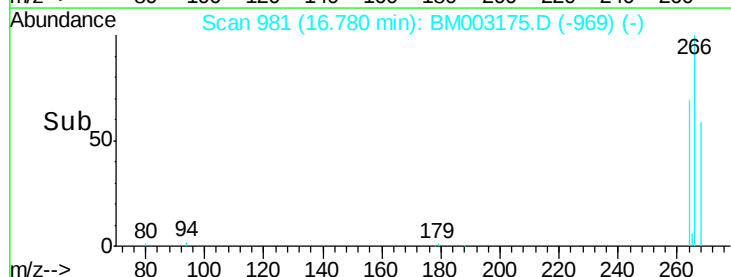
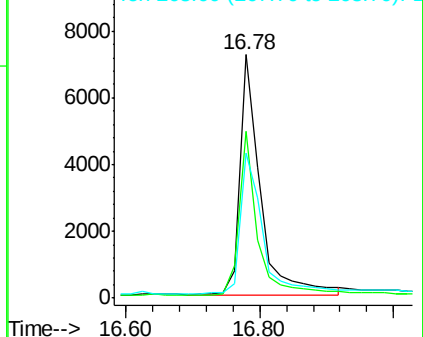
268 64.0 0.0 0.0#

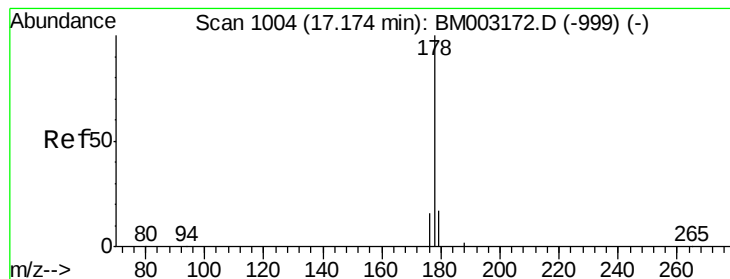


Abundance Ion 266.00 (265.70 to 266.70): E

Ion 264.00 (263.70 to 264.70): E

Ion 268.00 (267.70 to 268.70): E





#14

Phenanthrene

Concen: 0.14 ng/ul

RT: 17.17 min Scan# 1004

Delta R.T. 0.00 min

Lab File: BM003175.D

Acq: 19 Nov 2015 00:11

Instrument :

BNA_M

ClientSampleId :

A4HT3

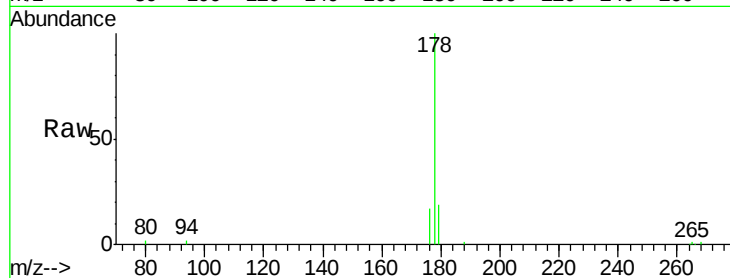
Tgt Ion:178 Resp: 66684

Ion Ratio Lower Upper

178 100

176 16.7 13.0 19.4

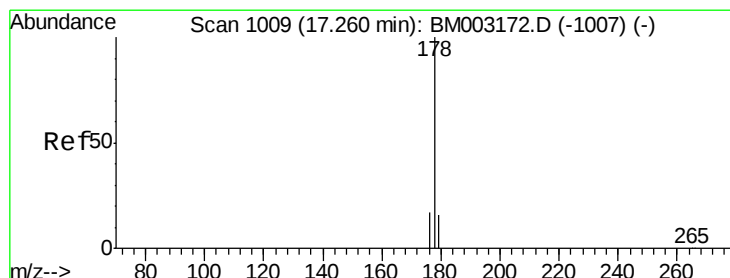
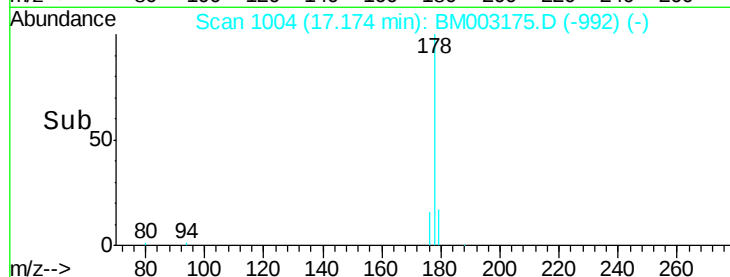
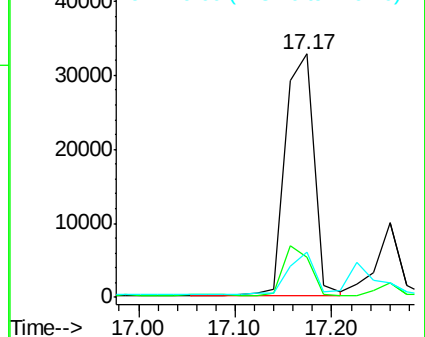
179 18.6 14.2 21.2



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: 0.17 ng/ul

RT: 17.17 min Scan# 1004

Delta R.T. -0.09 min

Lab File: BM003175.D

Acq: 19 Nov 2015 00:11

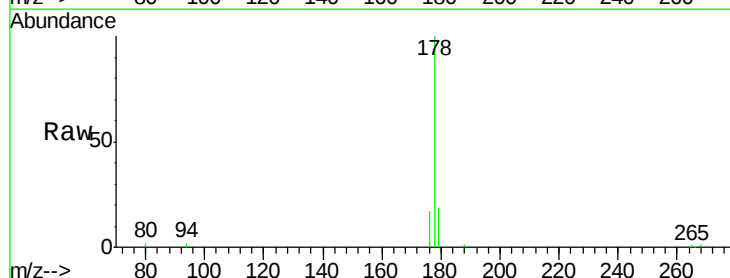
Tgt Ion:178 Resp: 66208

Ion Ratio Lower Upper

178 100

176 16.7 14.0 21.0

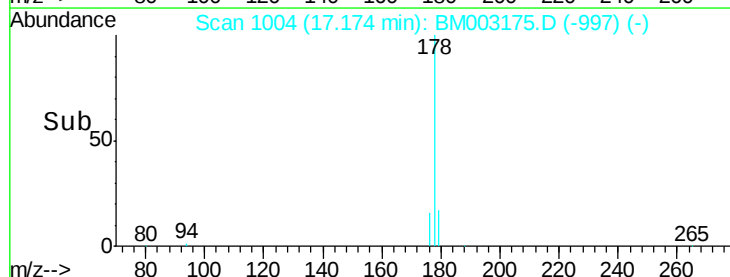
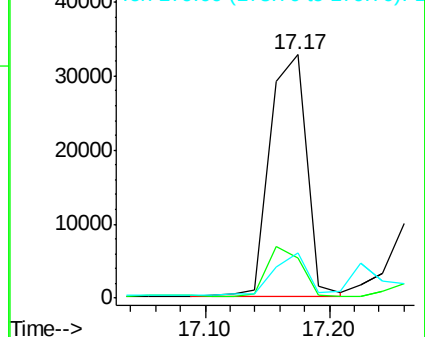
179 18.6 12.9 19.3

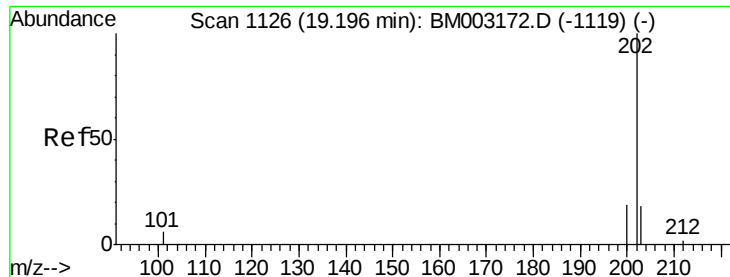


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E

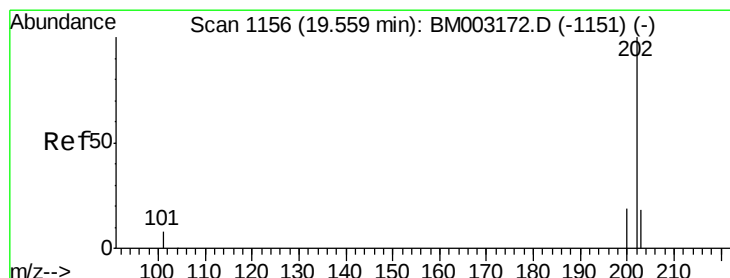
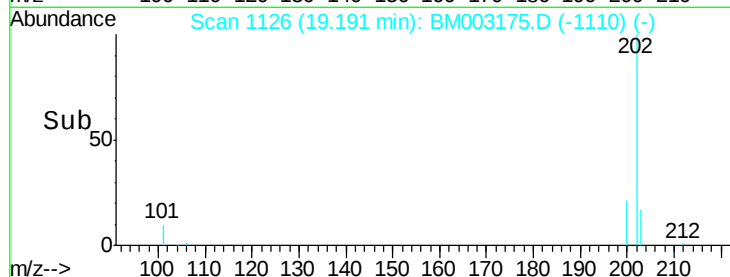
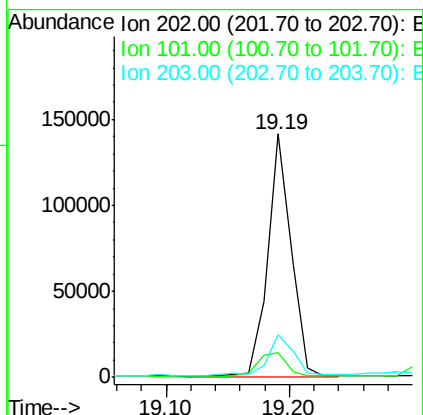
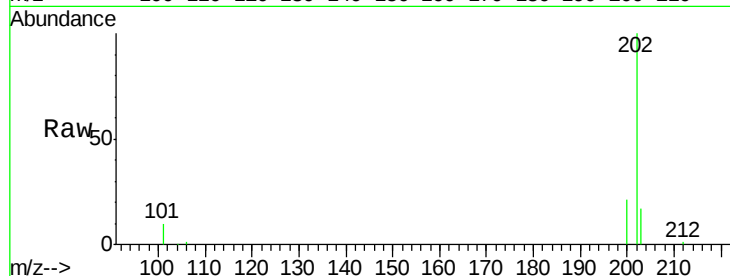




#17
Fluoranthene
 Concen: 0.36 ng/ul
 RT: 19.19 min Scan# 1126
 Delta R.T. -0.00 min
 Lab File: BM003175.D
 Acq: 19 Nov 2015 00:11

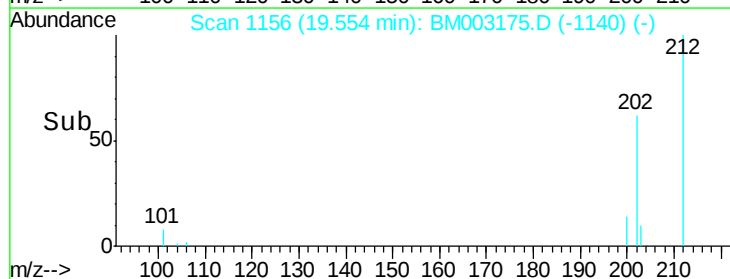
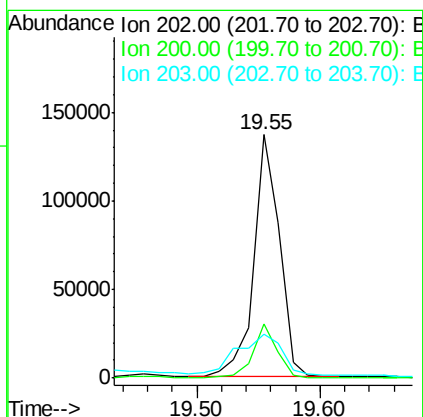
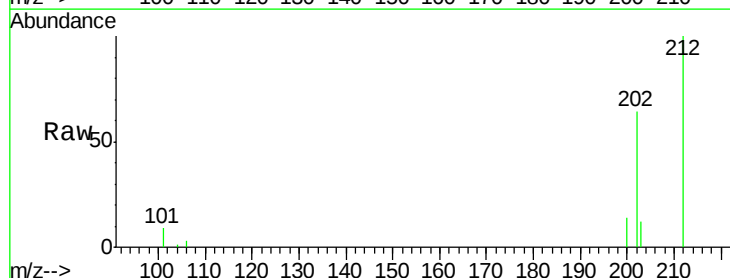
Instrument :
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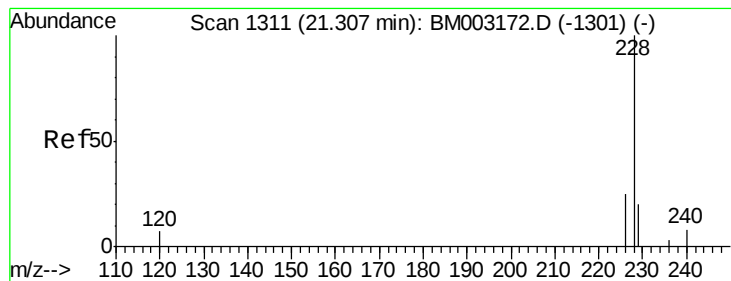
Tgt Ion:202 Resp: 188370
 Ion Ratio Lower Upper
 202 100
 101 10.3 0.0 29.6
 203 17.4 0.0 36.3



#19
Pyrene
 Concen: 0.24 ng/ul
 RT: 19.55 min Scan# 1156
 Delta R.T. -0.00 min
 Lab File: BM003175.D
 Acq: 19 Nov 2015 00:11

Tgt Ion:202 Resp: 197527
 Ion Ratio Lower Upper
 202 100
 200 22.1 17.8 26.8
 203 18.1 12.8 19.2





#20

Benzo(a)anthracene

Concen: 0.17 ng/ul

RT: 21.30 min Scan# 1311

Delta R.T. -0.00 min

Lab File: BM003175.D

Acq: 19 Nov 2015 00:11

Instrument :

BNA_M

ClientSampleId :

A4HT3

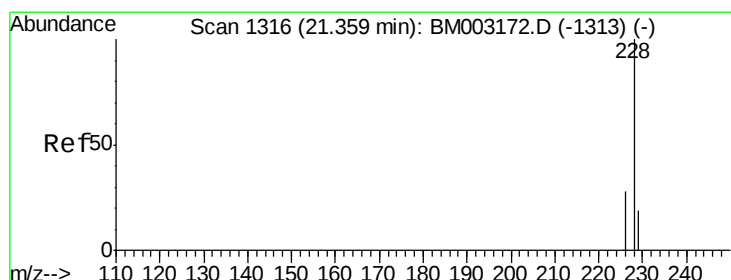
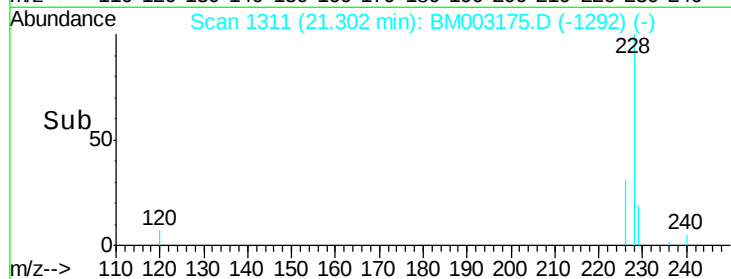
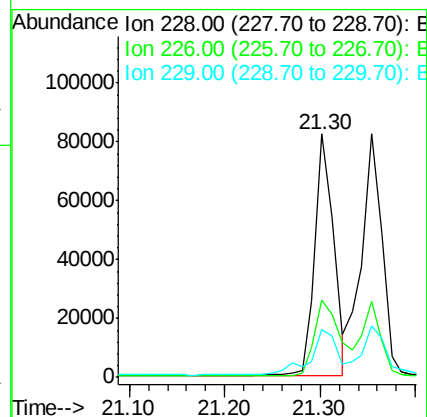
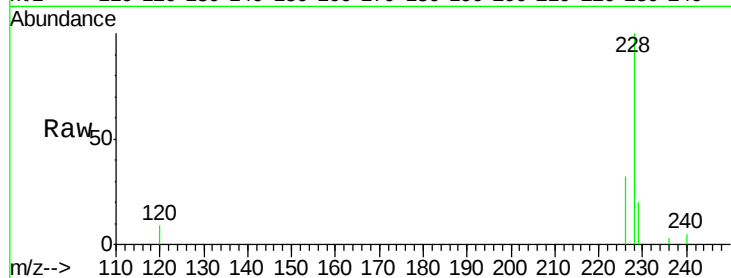
Tgt Ion:228 Resp: 113208

Ion Ratio Lower Upper

228 100

226 31.7 18.8 28.2#

229 19.7 17.1 25.7



#21

Chrysene

Concen: 0.16 ng/ul

RT: 21.35 min Scan# 1316

Delta R.T. -0.01 min

Lab File: BM003175.D

Acq: 19 Nov 2015 00:11

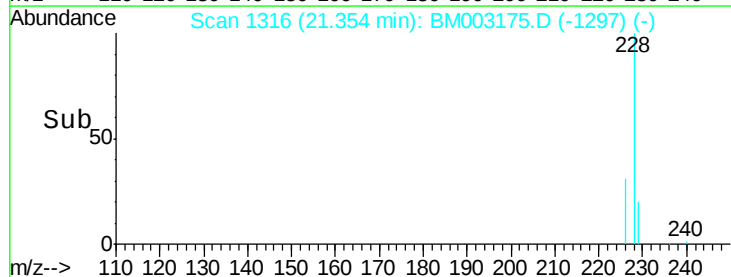
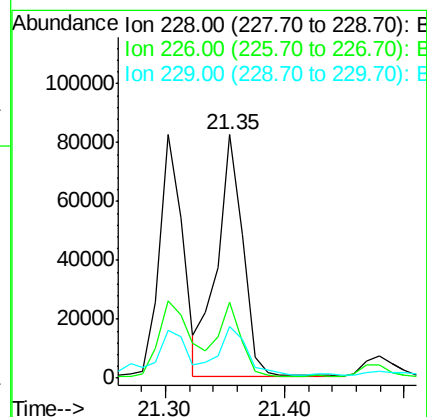
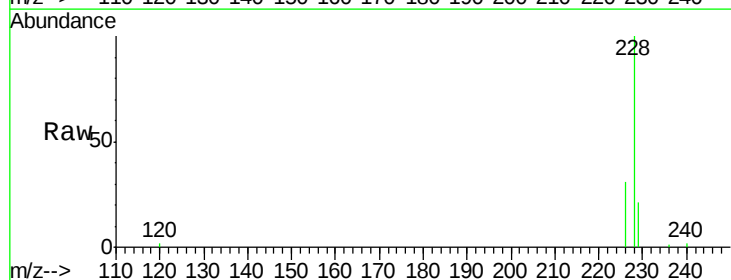
Tgt Ion:228 Resp: 123579

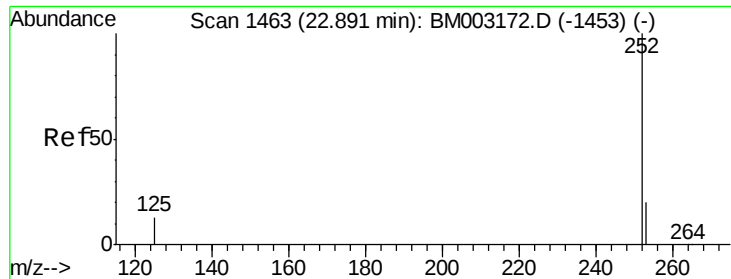
Ion Ratio Lower Upper

228 100

226 31.5 21.2 31.8

229 21.1 17.0 25.6





#23

Benzo(b)fluoranthene

Concen: 0.29 ng/u1

RT: 22.90 min Scan# 1464

Delta R.T. 0.01 min

Lab File: BM003175.D

Acq: 19 Nov 2015 00:11

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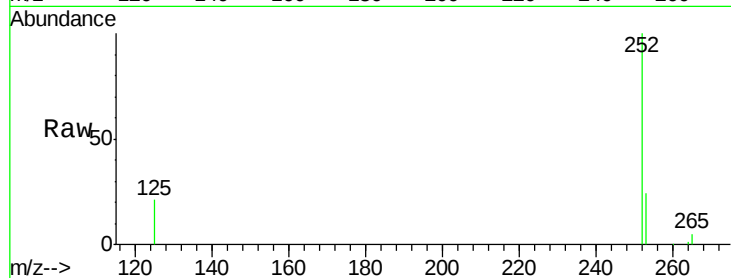
Tgt Ion:252 Resp: 259469

Ion Ratio Lower Upper

252 100

253 24.2 0.0 45.4

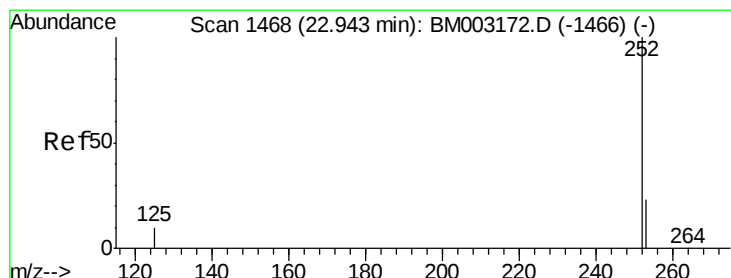
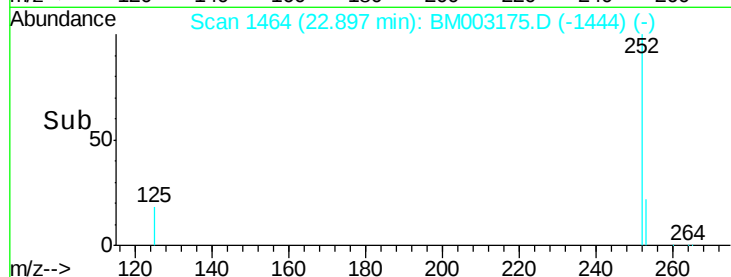
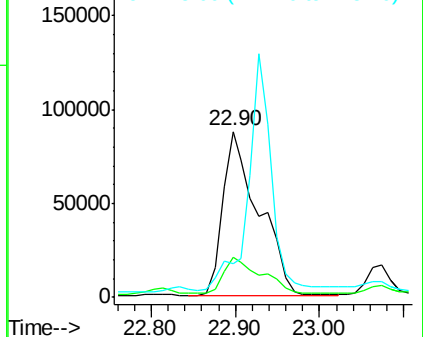
125 20.6 0.0 28.8



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: 0.31 ng/u1

RT: 22.90 min Scan# 1464

Delta R.T. -0.05 min

Lab File: BM003175.D

Acq: 19 Nov 2015 00:11

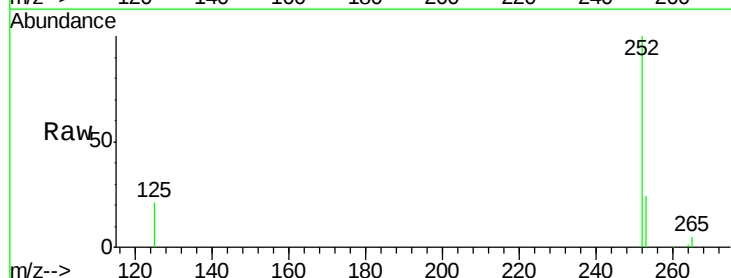
Tgt Ion:252 Resp: 259469

Ion Ratio Lower Upper

252 100

253 24.2 19.8 29.8

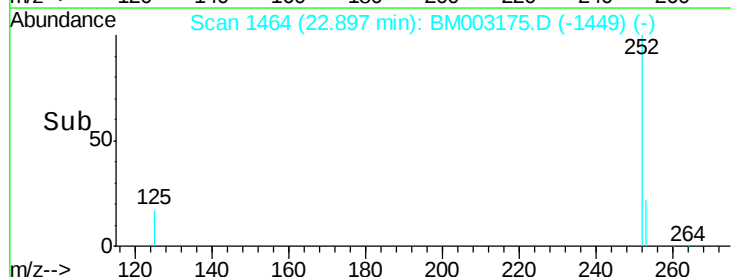
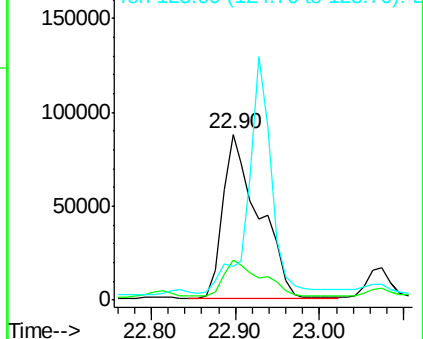
125 20.6 10.4 15.6#

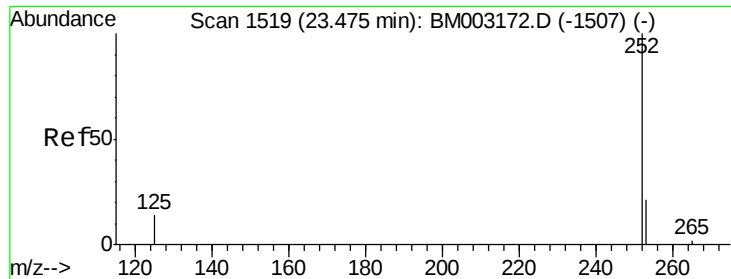


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#25

Benzo(a)pyrene

Concen: 0.19 ng/ul

RT: 23.48 min Scan# 1520

Delta R.T. 0.01 min

Lab File: BM003175.D

Acq: 19 Nov 2015 00:11

Instrument :

BNA_M

ClientSampleId :

A4HT3

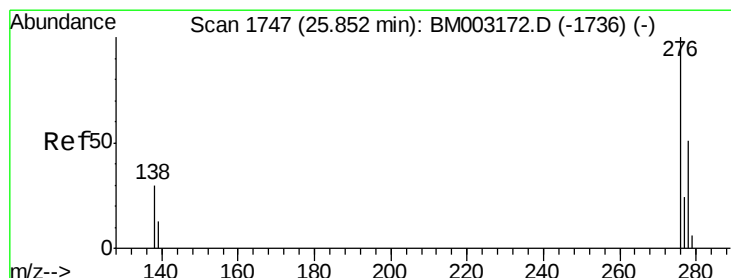
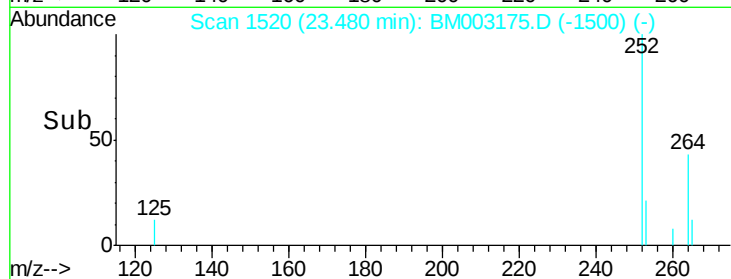
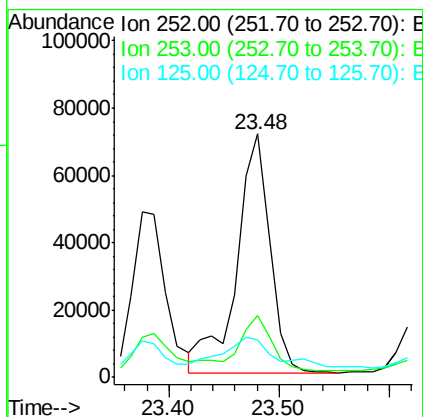
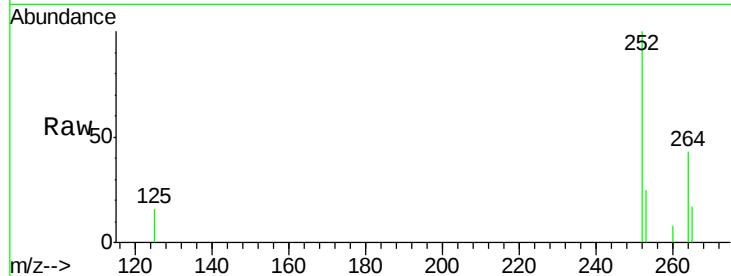
Tgt Ion:252 Resp: 149305

Ion Ratio Lower Upper

252 100

253 25.4 19.4 29.2

125 15.6 12.7 19.1



#26

Indeno(1,2,3-cd)pyrene

Concen: 0.11 ng/ul

RT: 25.85 min Scan# 1747

Delta R.T. -0.00 min

Lab File: BM003175.D

Acq: 19 Nov 2015 00:11

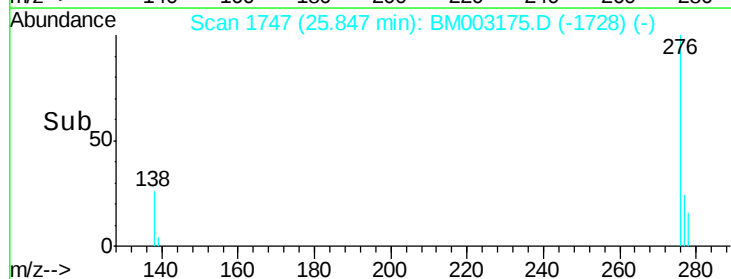
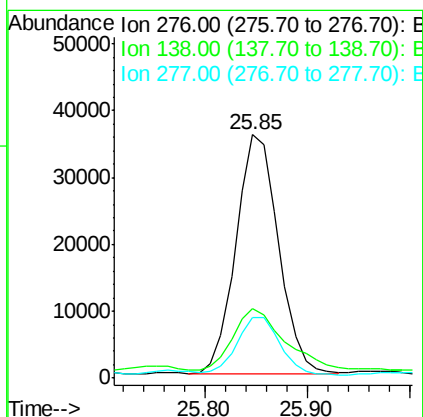
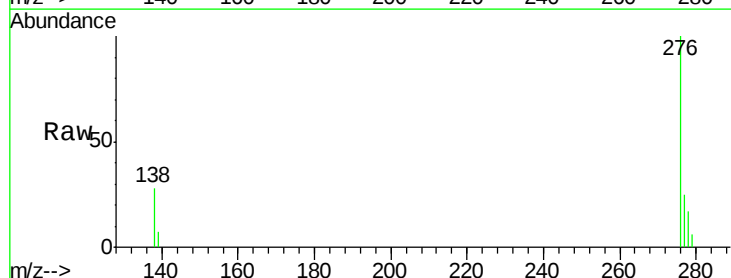
Tgt Ion:276 Resp: 103354

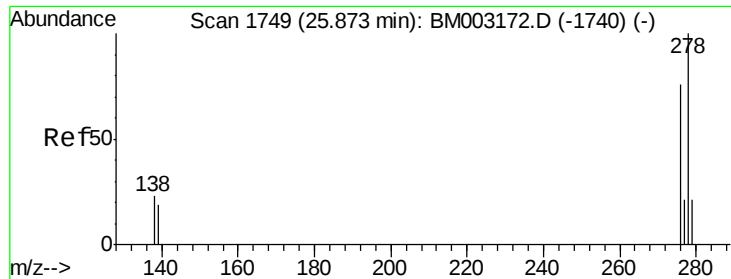
Ion Ratio Lower Upper

276 100

138 31.7 0.0 0.0#

277 24.3 0.0 0.0#

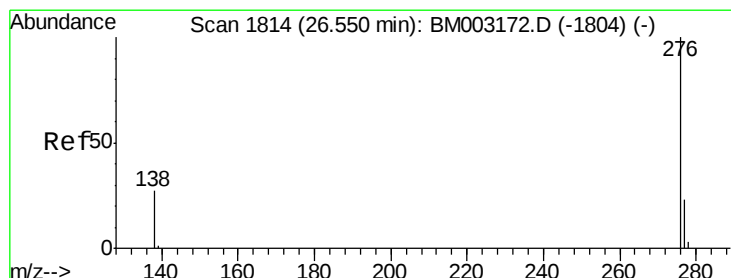
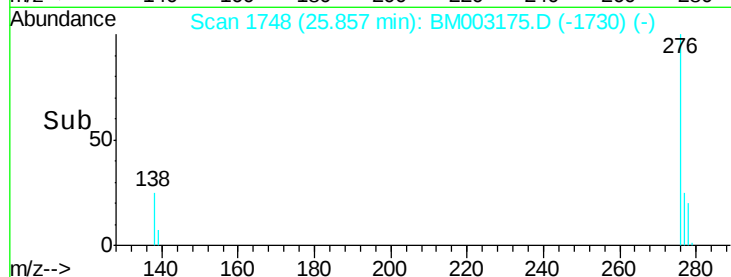
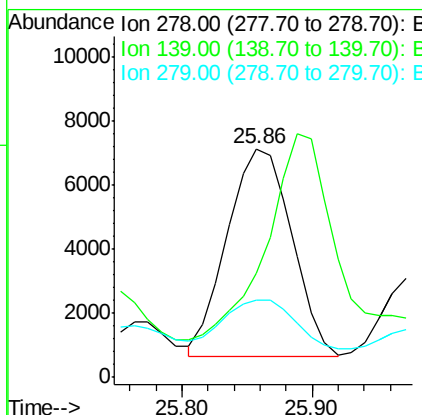
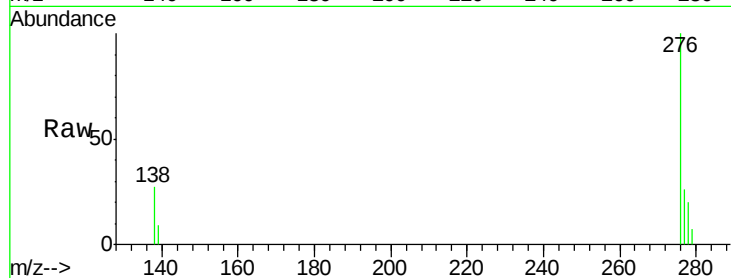




#27
Dibenzo(a,h)anthracene
Concen: 0.03 ng/ul
RT: 25.86 min Scan# 1748
Delta R.T. -0.02 min
Lab File: BM003175.D
Acq: 19 Nov 2015 00:11

Instrument :
BNA_M
ClientSampleId :
A4HT3

Tgt Ion: 278 Resp: 22277
Ion Ratio Lower Upper
278 100
139 45.6 16.4 24.6#
279 33.9 20.2 30.2#



#28
Benzo(g,h,i)perylene
Concen: 0.13 ng/ul
RT: 26.56 min Scan# 1815
Delta R.T. 0.01 min
Lab File: BM003175.D
Acq: 19 Nov 2015 00:11

Tgt Ion: 276 Resp: 104996
Ion Ratio Lower Upper
276 100
277 25.0 18.9 28.3
138 26.8 22.5 33.7

