

Data Path : Z:\HPCHEM1\BNA M\DATA\BM111915\
 Data File : BM003190.D
 Acq On : 19 Nov 2015 13:46
 Operator : UM/IZ
 Sample : G4323-02RE
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 A4HT3

Quant Time: Nov 20 02:42:34 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 : Fri Nov 20 02:40:36 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.74	152	15160	0.40	ng/ul	0.00
4) Naphthalene-d8	10.53	136	56329	0.40	ng/ul	0.00
8) Acenaphthene-d10	14.38	164	29556	0.40	ng/ul	0.00
12) Phenanthrene-d10	17.23	188	2696740	0.40	ng/ul	0.10
18) Chrysene-d12	21.33	240	61066	0.40	ng/ul	0.00
22) Perylene-d12	23.45	264	3059852	0.40	ng/ul	-0.15

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
2) 1,4-Dioxane-d8	3.20	96	61145	3.78	ng/uL	0.00
6) 2-Methylnaphthalene-d10	12.12	152	16652	0.22	ng/ul	0.00
16) Fluoranthene-d10	19.17	212	35910	0.01	ng/ul	0.00

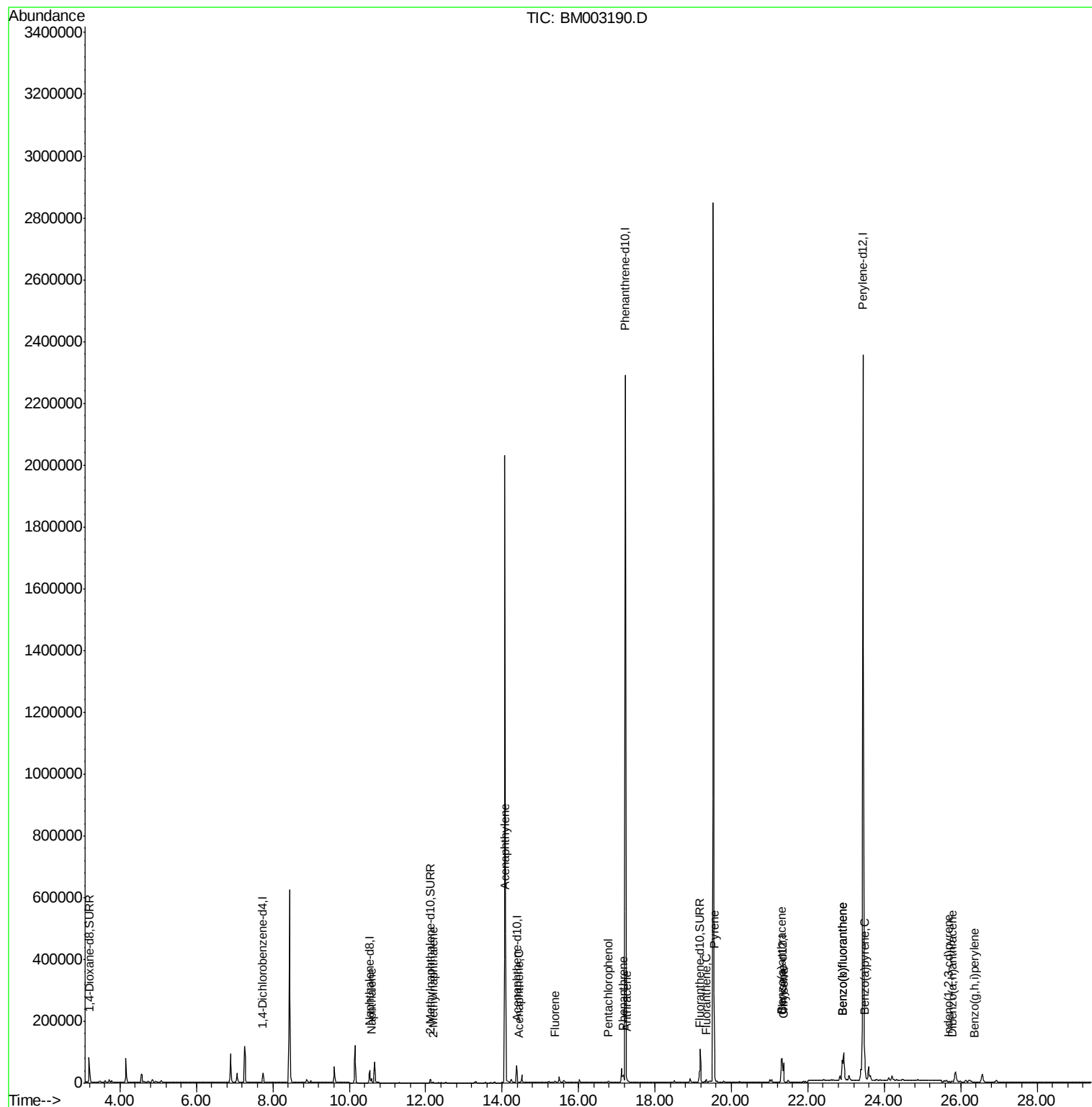
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
5) Naphthalene	10.58	128	18798	0.13	ng/ul	97
7) 2-Methylnaphthalene	12.19	142	1040	0.01	ng/ul#	100
9) Acenaphthylene	14.09	152	7533	0.06	ng/ul#	90
10) Acenaphthene	14.45	153	711	0.01	ng/ul#	83
11) Fluorene	15.37	166	6188	0.06	ng/ul#	30
13) Pentachlorophenol	16.78	266	3408	0.01	ng/ul#	17
14) Phenanthrene	17.17	178	34651	0.00	ng/ul	98
15) Anthracene	17.26	178	9138	0.00	ng/ul#	91
17) Fluoranthene	19.35	202	7029	0.00	ng/ul	70
19) Pyrene	19.55	202	106361	0.51	ng/ul#	95
20) Benzo(a)anthracene	21.31	228	62445	0.35	ng/ul#	89
21) Chrysene	21.36	228	62194	0.31	ng/ul	96
23) Benzo(b)fluoranthene	22.91	252	80435	0.01	ng/ul	91
24) Benzo(k)fluoranthene	22.91	252	133358	0.01	ng/ul#	93
25) Benzo(a)pyrene	23.49	252	57805	0.01	ng/ul	96
26) Indeno(1,2,3-cd)pyrene	25.69	276	1392	0.00	ng/ul#	100
27) Dibenzo(a,h)anthracene	25.77	278	2392	0.00	ng/ul#	1
28) Benzo(a,h,i)perylene	26.37	276	794	0.00	ng/ul#	1

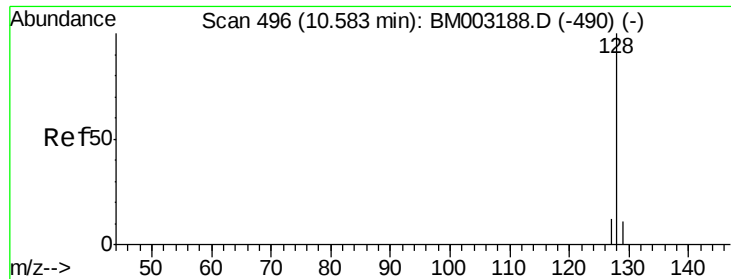
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\HPCHEM1\BNA M\DATA\BM111915\
Data File : BM003190.D
Acq On : 19 Nov 2015 13:46
Operator : UM/IZ
Sample : G4323-02RE
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
A4HT3

Quant Time: Nov 20 02:42:34 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 : Fri Nov 20 02:40:36 2015
Response via : Initial Calibration





#5

Naphthalene

Concen: 0.13 ng/ul

RT: 10.58 min Scan# 496

Delta R.T. 0.00 min

Lab File: BM003190.D

Acq: 19 Nov 2015 13:46

Instrument :

BNA_M

ClientSampleId :

A4HT3

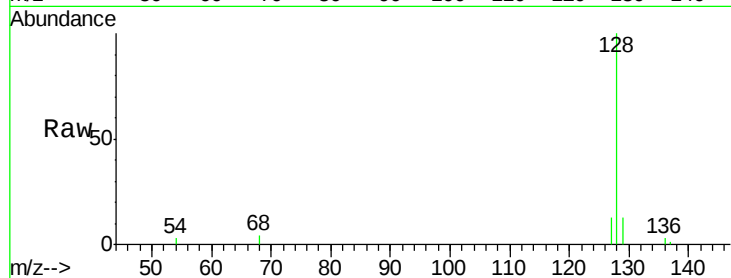
Tot Ion:128 Resp: 18798

Ion Ratio Lower Upper

128 100

129 12.8 9.0 13.6

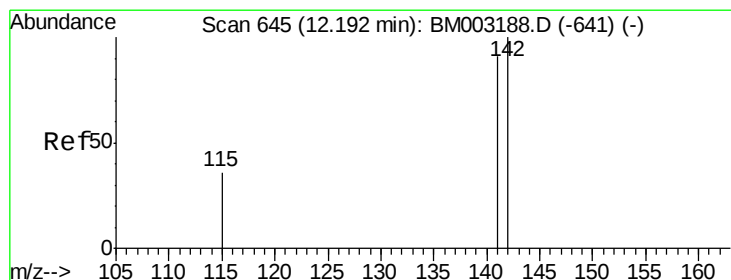
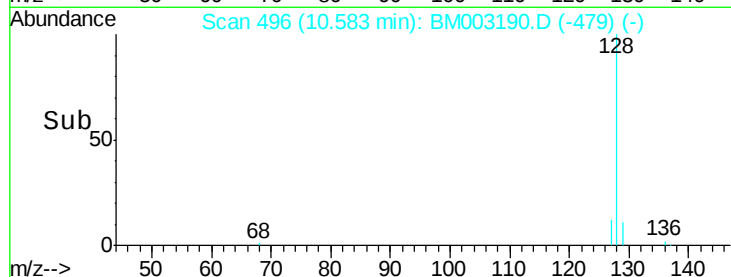
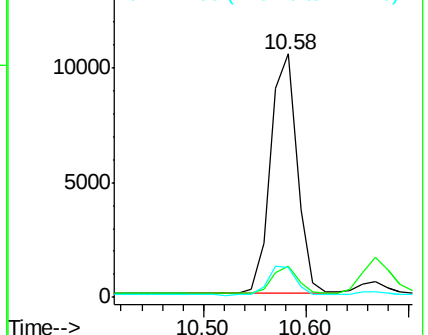
127 12.5 9.6 14.4



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: BM003190.D

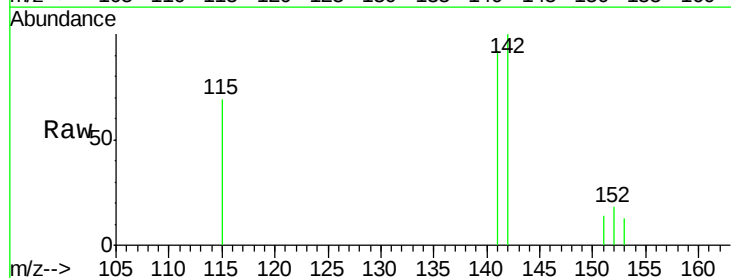
Acq: 19 Nov 2015 13:46

Tgt Ion:142 Resp: 1040

Ion Ratio Lower Upper

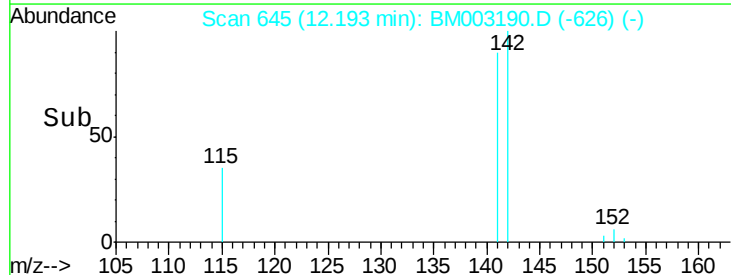
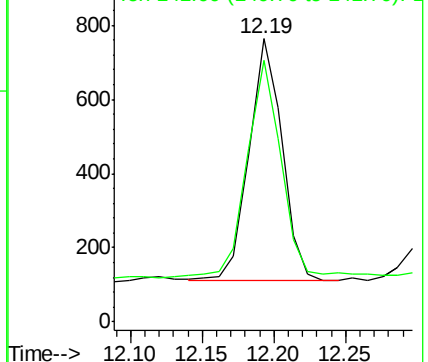
142 100

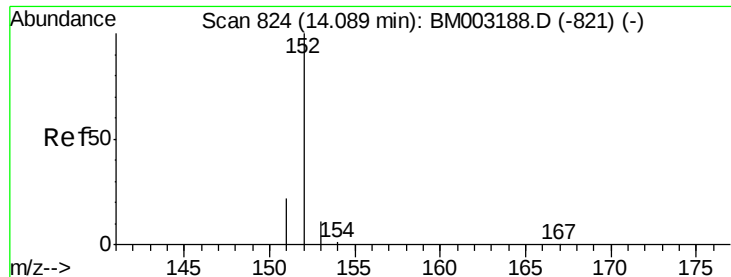
141 97.3 0.0 0.0#



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#9

Acenaphthylene

Concen: 0.06 ng/ul

RT: 14.09 min Scan# 824

Delta R.T. 0.00 min

Lab File: BM003190.D

Acq: 19 Nov 2015 13:46

Instrument :

BNA_M

ClientSampleId :

A4HT3

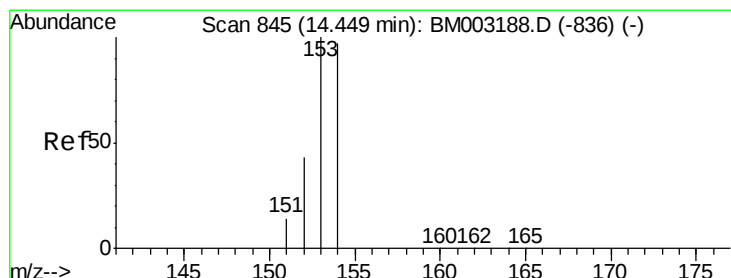
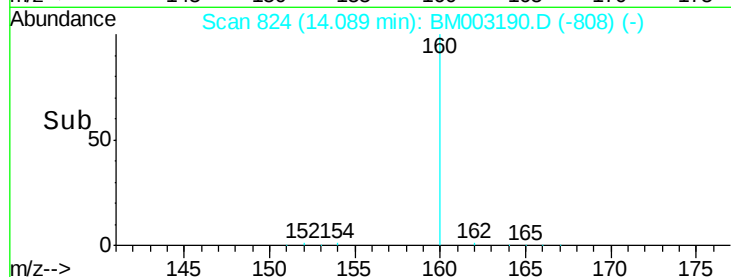
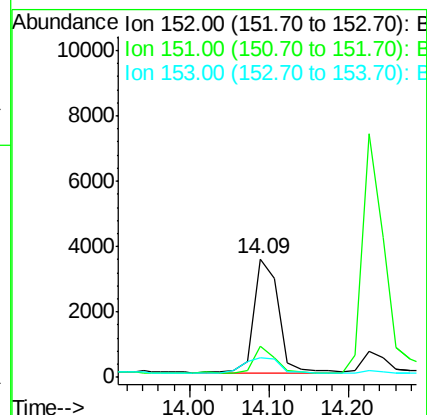
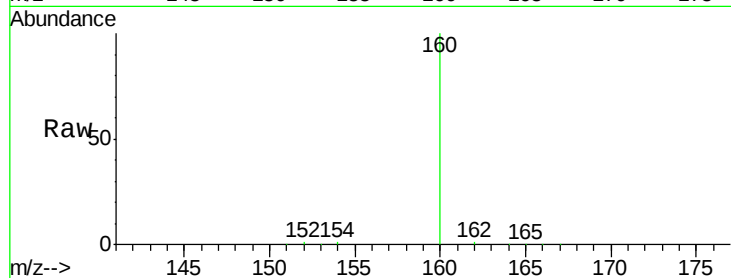
Tot Ion:152 Resp: 7533

Ion Ratio Lower Upper

152 100

151 25.9 17.6 26.4

153 16.9 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: BM003190.D

Acq: 19 Nov 2015 13:46

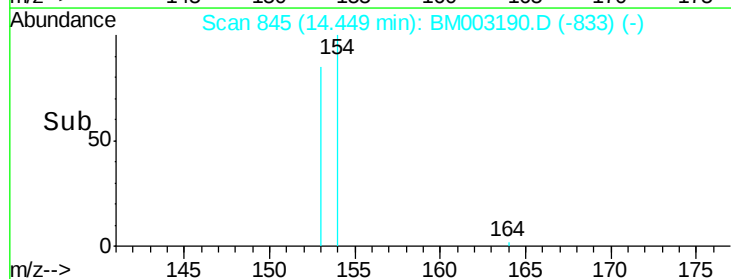
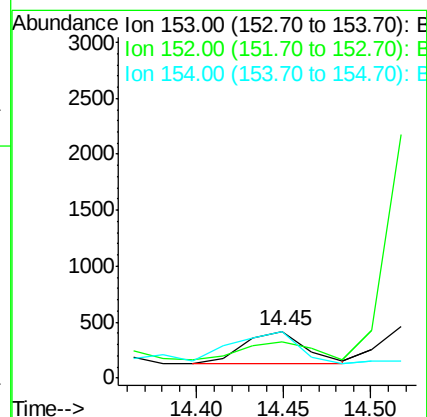
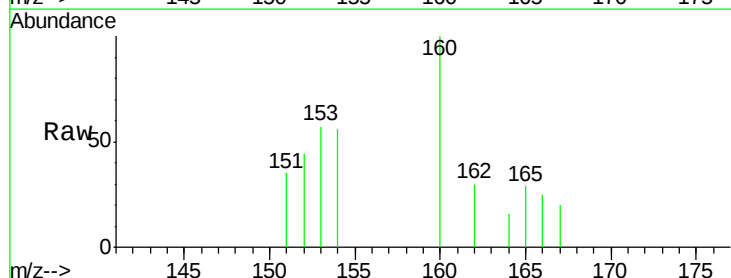
Tgt Ion:153 Resp: 711

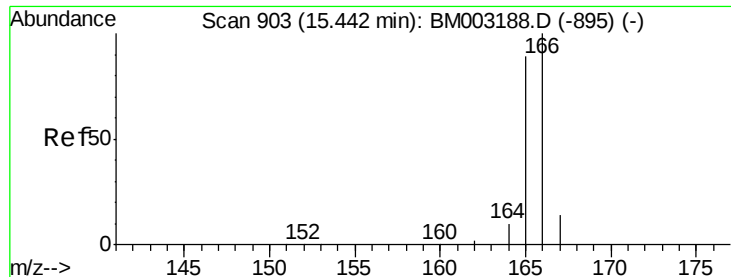
Ion Ratio Lower Upper

153 100

152 76.8 33.9 50.9#

154 99.0 80.6 121.0





#11

Fluorene

Concen: 0.06 ng/ul

RT: 15.37 min Scan# 899

Delta R.T. -0.07 min

Lab File: BM003190.D

Acq: 19 Nov 2015 13:46

Instrument :

BNA_M

ClientSampleId :

A4HT3

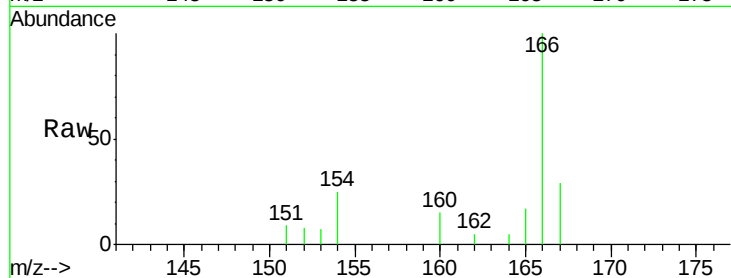
Tot Ion:166 Resp: 6188

Ion Ratio Lower Upper

166 100

165 16.6 69.6 104.4#

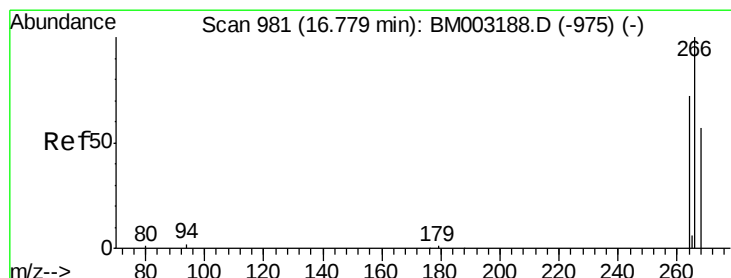
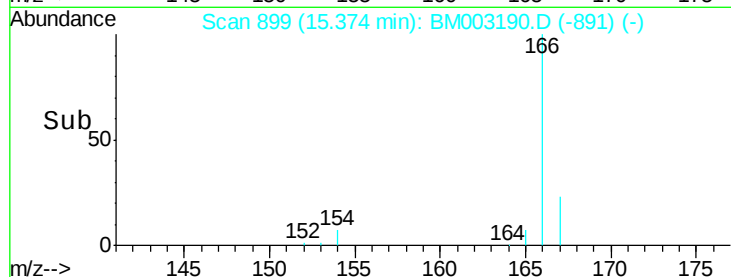
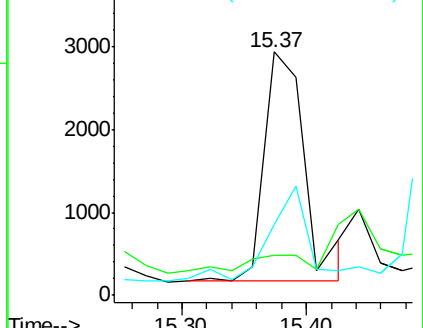
167 29.0 11.9 17.9#



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: 0.01 ng/ul

RT: 16.78 min Scan# 981

Delta R.T. 0.00 min

Lab File: BM003190.D

Acq: 19 Nov 2015 13:46

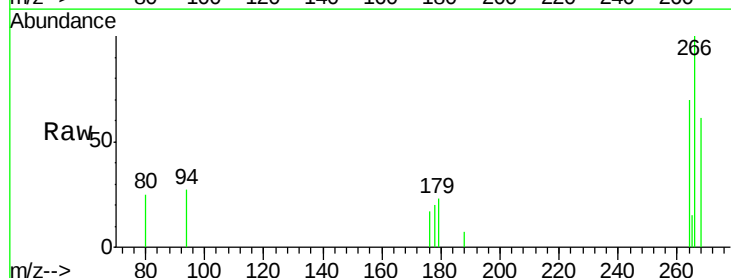
Tgt Ion:266 Resp: 3408

Ion Ratio Lower Upper

266 100

264 62.5 0.3 0.5#

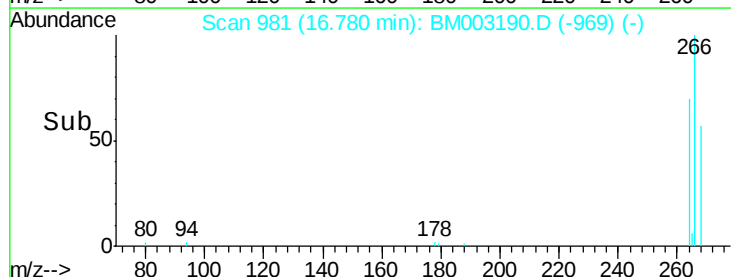
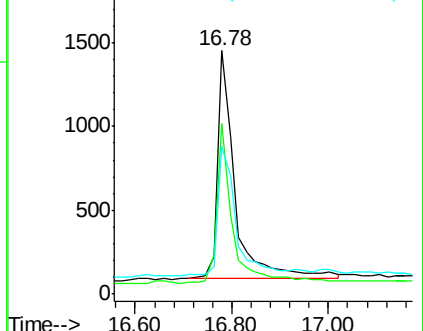
268 60.1 0.0 0.0#

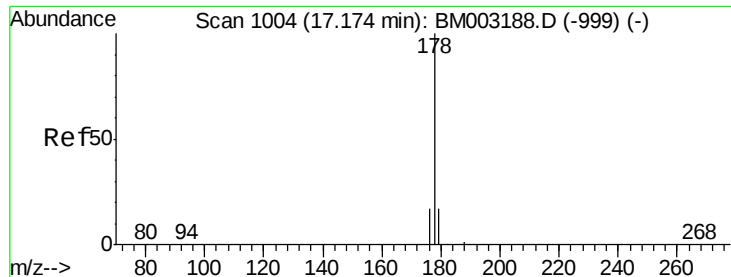


Abundance Ion 266.00 (265.70 to 266.70): E

Ion 264.00 (263.70 to 264.70): E

Ion 268.00 (267.70 to 268.70): E

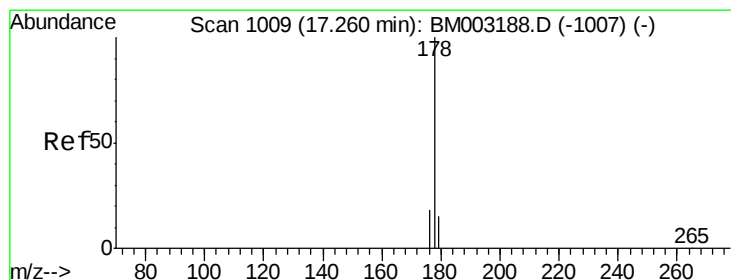
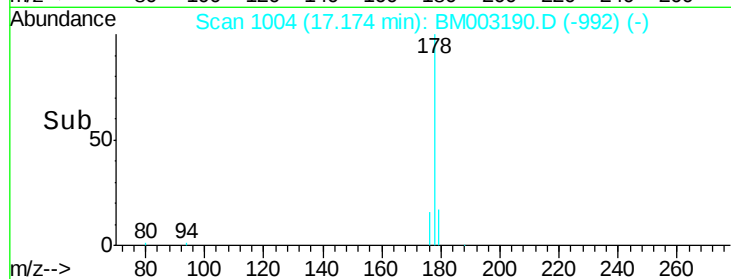
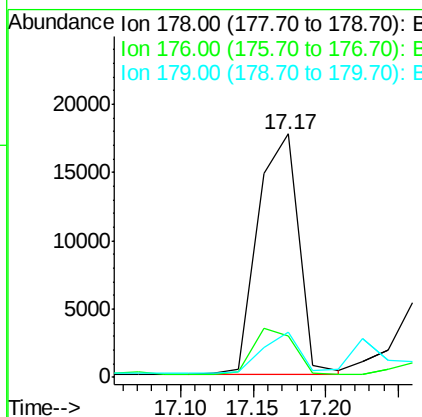
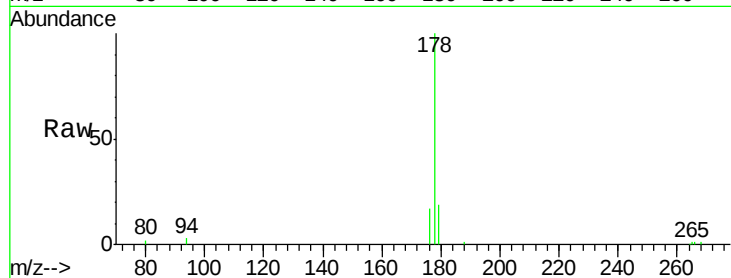




#14
Phenanthrene
Concen: 0.00 ng/ul
RT: 17.17 min Scan# 1004
Delta R.T. 0.00 min
Lab File: BM003190.D
Acq: 19 Nov 2015 13:46

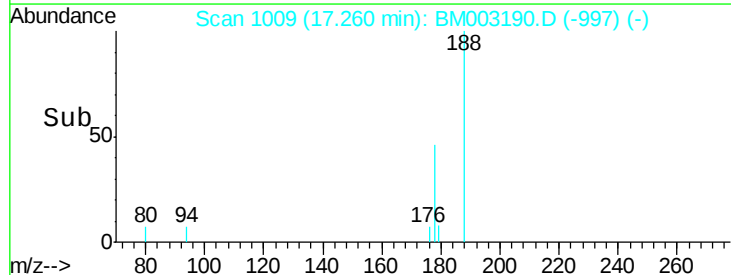
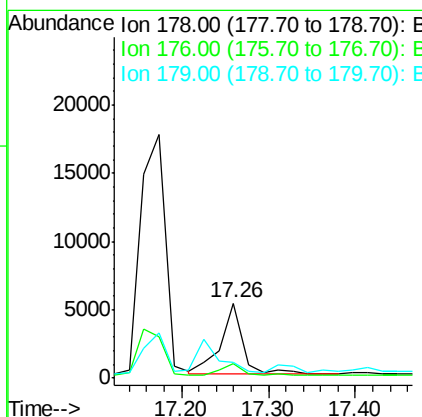
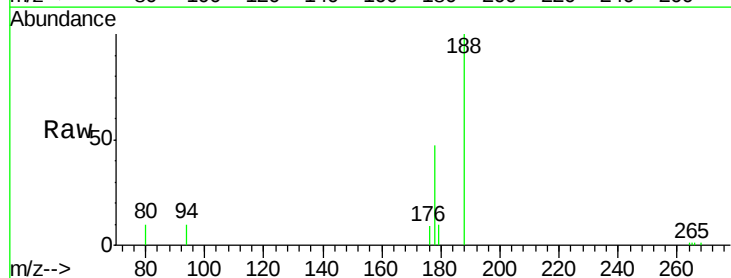
Instrument :
BNA_M
ClientSampleId :
A4HT3

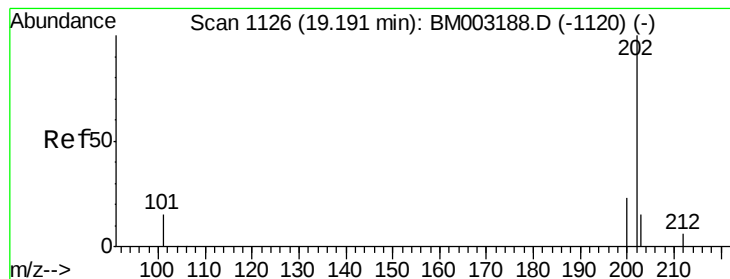
Tot Ion:178 Resp: 34651
Ion Ratio Lower Upper
178 100
176 17.1 13.0 19.4
179 18.6 14.2 21.2



#15
Anthracene
Concen: 0.00 ng/ul
RT: 17.26 min Scan# 1009
Delta R.T. 0.00 min
Lab File: BM003190.D
Acq: 19 Nov 2015 13:46

Tgt Ion:178 Resp: 9138
Ion Ratio Lower Upper
178 100
176 20.0 14.0 21.0
179 21.2 12.9 19.3#





#17

Fluoranthene

Concen: 0.00 ng/ul

RT: 19.35 min Scan# 1139

Delta R.T. 0.16 min

Lab File: BM003190.D

Acq: 19 Nov 2015 13:46

Instrument :

BNA_M

ClientSampleId :

A4HT3

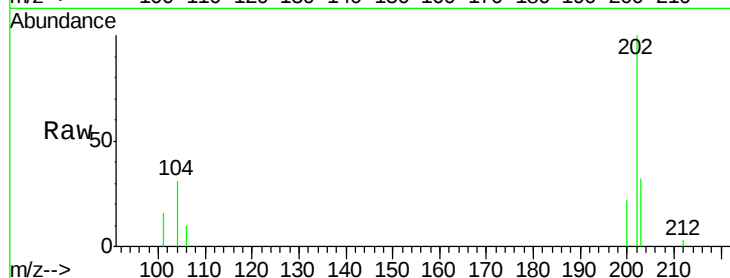
Tot Ion:202 Resp: 7029

Ion Ratio Lower Upper

202 100

101 15.6 0.0 29.6

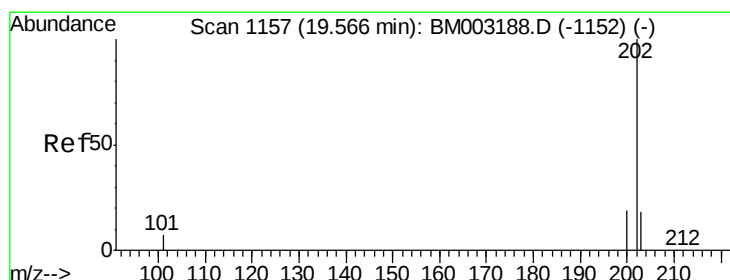
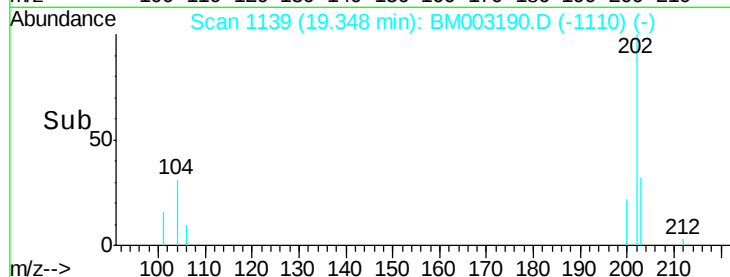
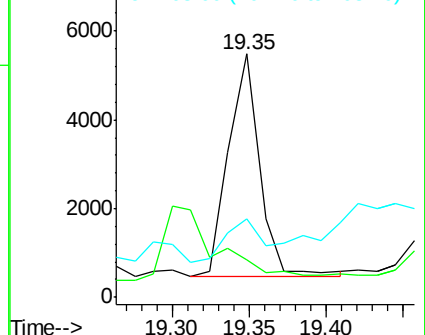
203 32.3 0.0 36.3



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: 0.51 ng/ul

RT: 19.55 min Scan# 1156

Delta R.T. -0.01 min

Lab File: BM003190.D

Acq: 19 Nov 2015 13:46

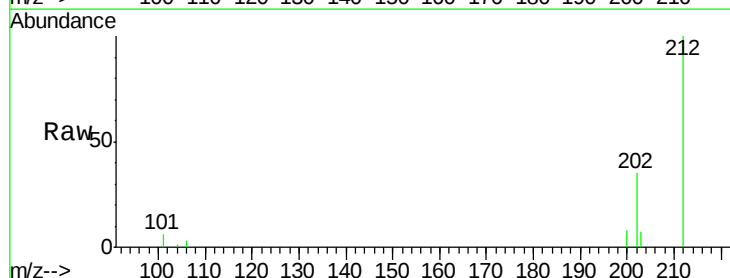
Tgt Ion:202 Resp: 106361

Ion Ratio Lower Upper

202 100

200 23.3 17.8 26.8

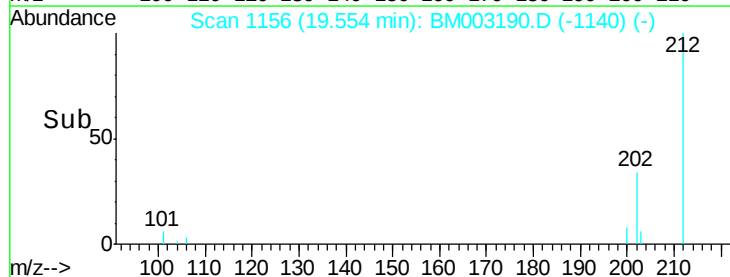
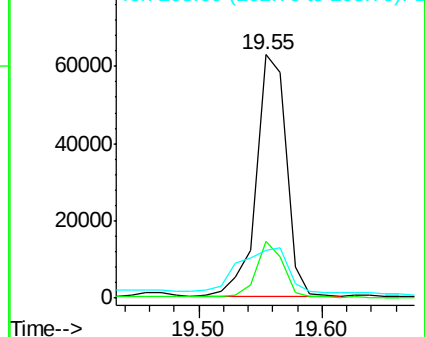
203 19.8 12.8 19.2#

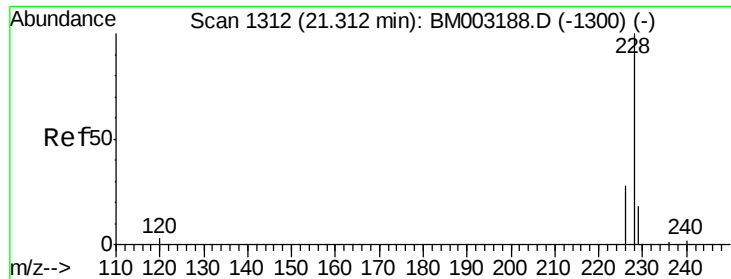


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#20

Benzo(a)anthracene

Concen: 0.35 ng/ul

RT: 21.31 min Scan# 1312

Delta R.T. 0.00 min

Lab File: BM003190.D

Acq: 19 Nov 2015 13:46

Instrument :

BNA_M

ClientSampleId :

A4HT3

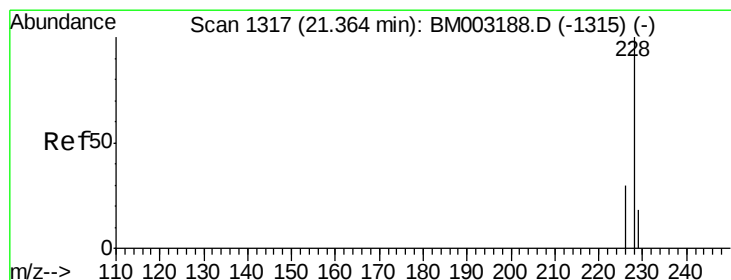
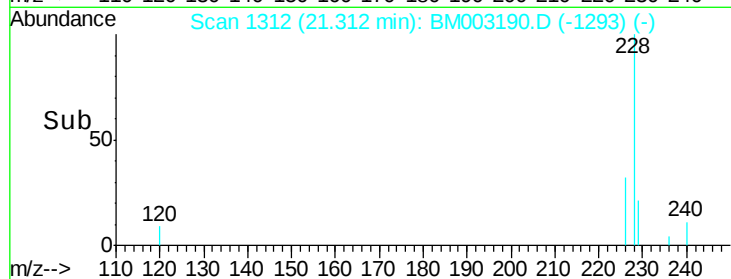
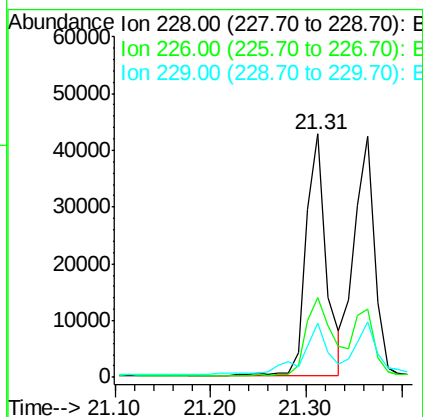
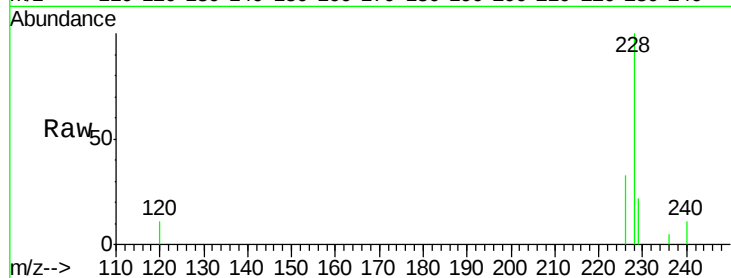
Tot Ion:228 Resp: 62445

Ion Ratio Lower Upper

228 100

226 32.8 18.8 28.2#

229 22.5 17.1 25.7



#21

Chrysene

Concen: 0.31 ng/ul

RT: 21.36 min Scan# 1317

Delta R.T. 0.00 min

Lab File: BM003190.D

Acq: 19 Nov 2015 13:46

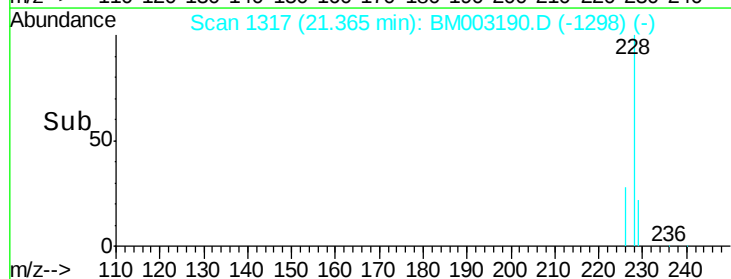
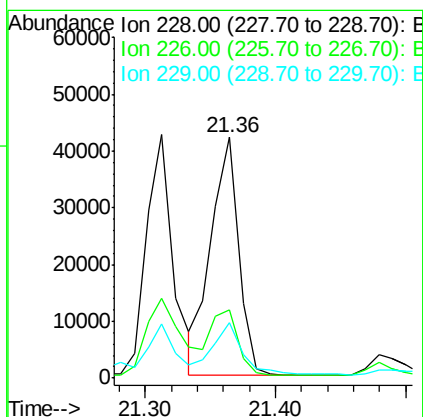
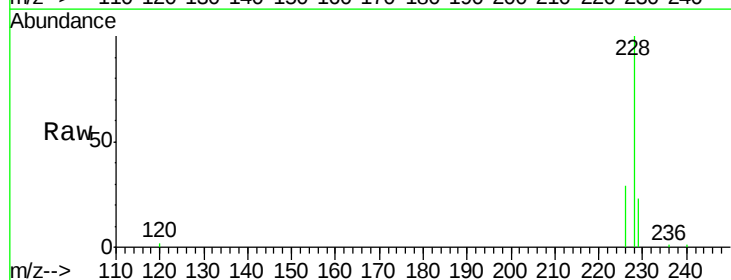
Tgt Ion:228 Resp: 62194

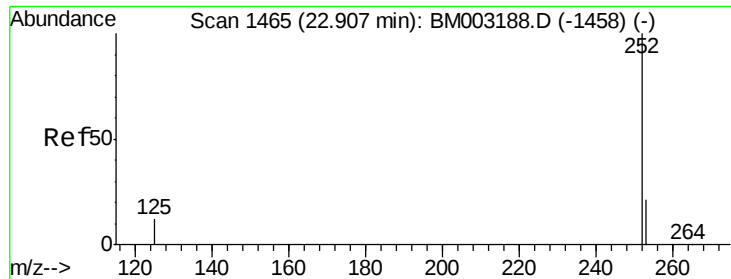
Ion Ratio Lower Upper

228 100

226 28.6 21.2 31.8

229 23.1 17.0 25.6





#23

Benzo(b)fluoranthene

Concen: 0.01 ng/ul

RT: 22.91 min Scan# 1465

Delta R.T. 0.00 min

Lab File: BM003190.D

Acq: 19 Nov 2015 13:46

Instrument :

BNA_M

ClientSampleId :

A4HT3

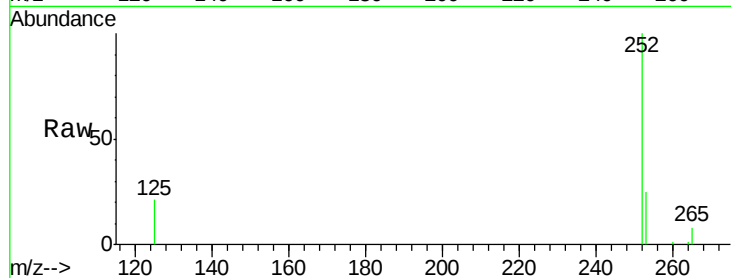
Tot Ion:252 Resp: 80435

Ion Ratio Lower Upper

252 100

253 25.2 0.0 45.4

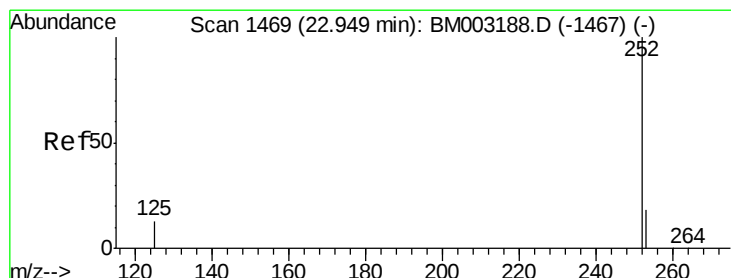
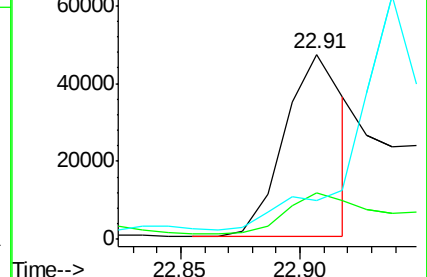
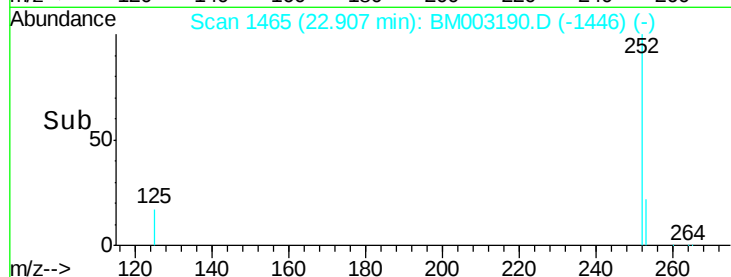
125 21.0 0.0 28.8



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: 0.01 ng/ul

RT: 22.91 min Scan# 1465

Delta R.T. -0.04 min

Lab File: BM003190.D

Acq: 19 Nov 2015 13:46

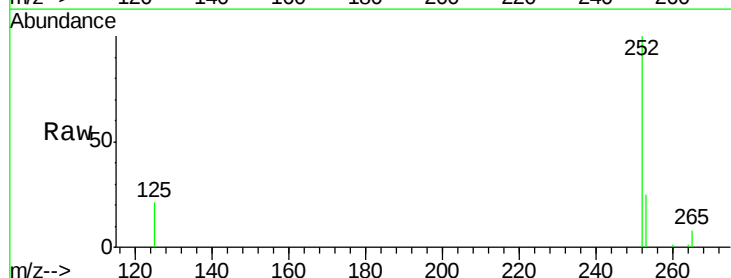
Tgt Ion:252 Resp: 133358

Ion Ratio Lower Upper

252 100

253 25.2 19.8 29.8

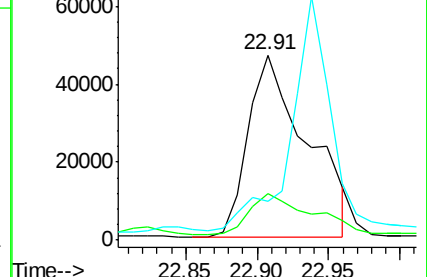
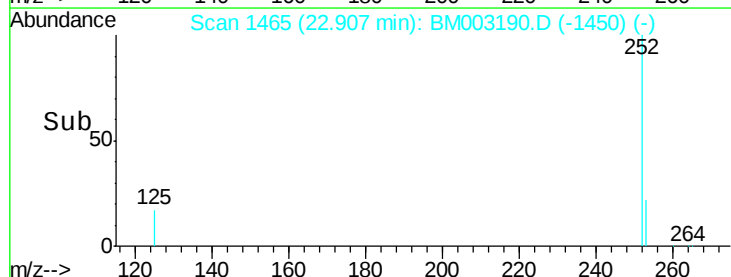
125 21.0 10.4 15.6#

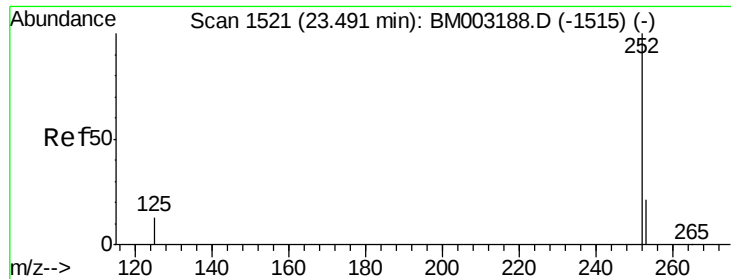


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#25

Benzo(a)pyrene

Concen: 0.01 ng/ul

RT: 23.49 min Scan# 1521

Delta R.T. 0.00 min

Lab File: BM003190.D

Acq: 19 Nov 2015 13:46

Instrument :

BNA_M

ClientSampleId :

A4HT3

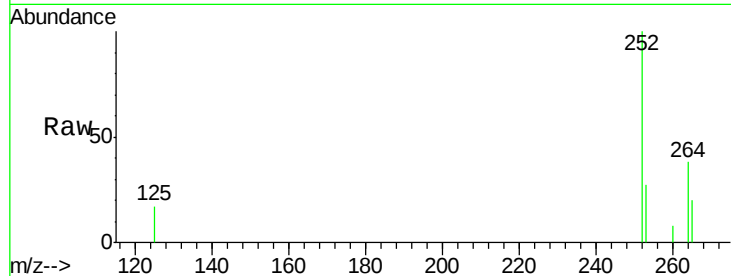
Tot Ion:252 Resp: 57805

Ion Ratio Lower Upper

252 100

253 26.8 19.4 29.2

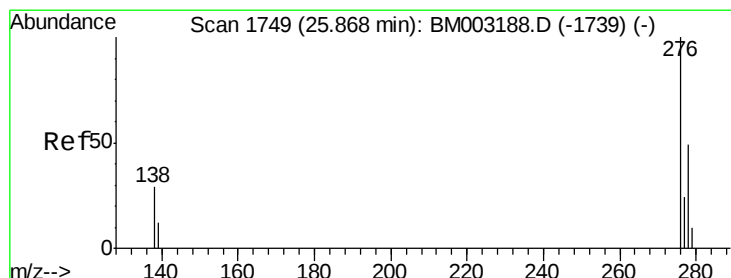
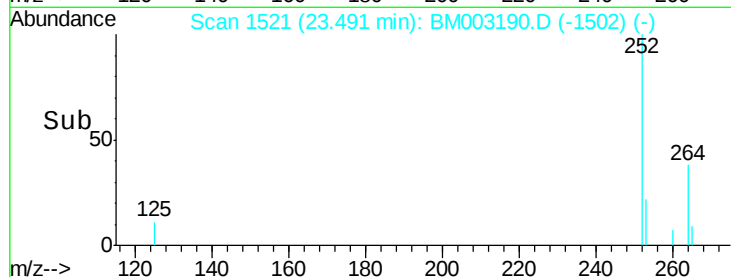
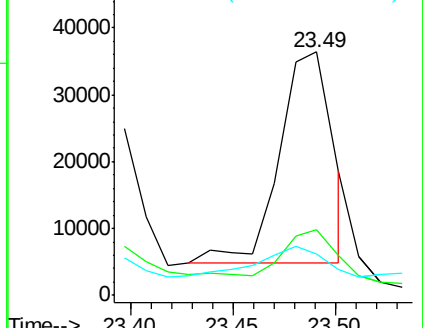
125 17.1 12.7 19.1



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/ul

RT: 25.69 min Scan# 1732

Delta R.T. -0.18 min

Lab File: BM003190.D

Acq: 19 Nov 2015 13:46

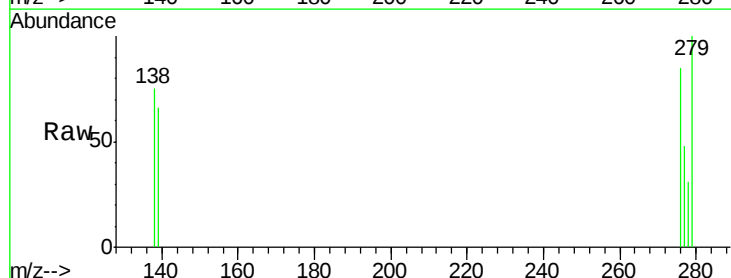
Tgt Ion:276 Resp: 1392

Ion Ratio Lower Upper

276 100

138 0.0 0.0 0.0

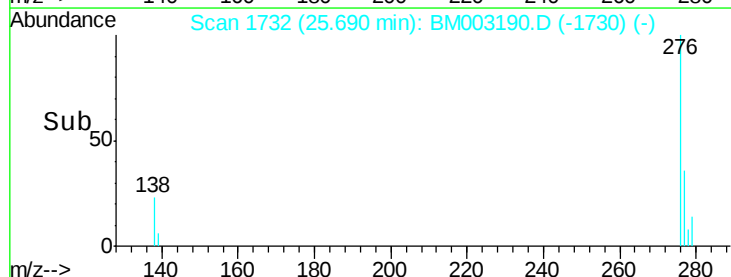
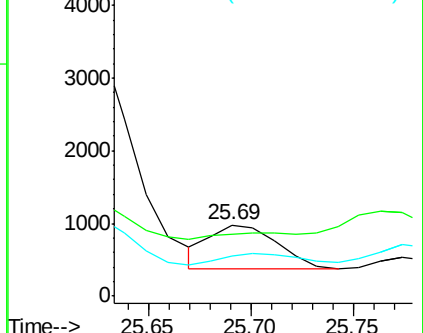
277 28.5 0.0 0.0#

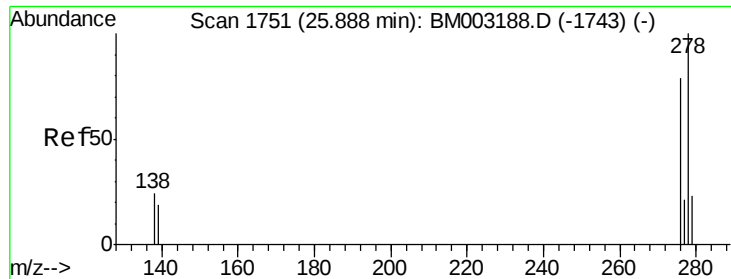


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E

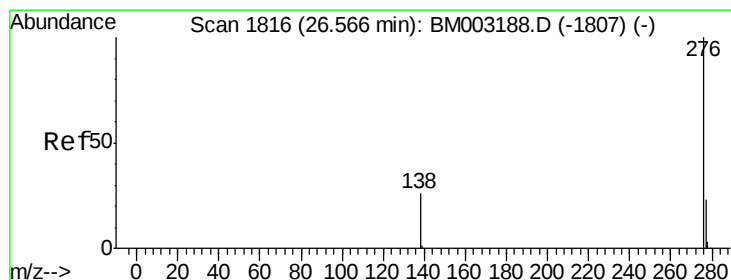
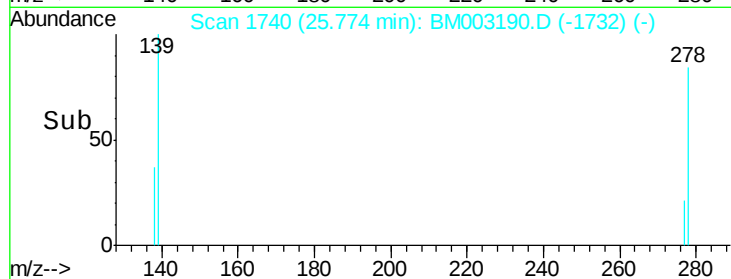
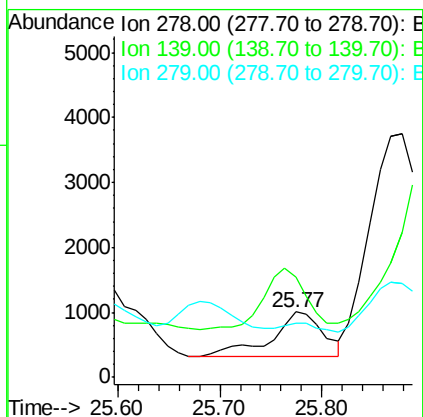
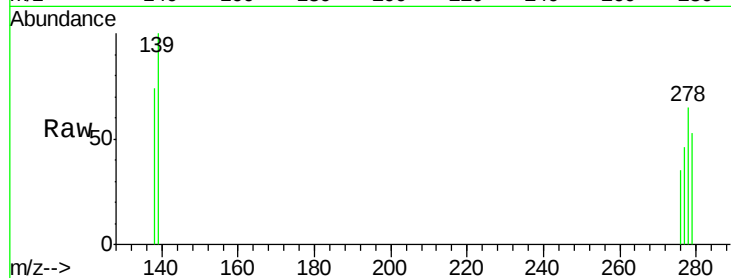




#27
Dibenzo(a,h)anthracene
Concen: 0.00 ng/ul
RT: 25.77 min Scan# 1740
Delta R.T. -0.11 min
Lab File: BM003190.D
Acq: 19 Nov 2015 13:46

Instrument :
BNA_M
ClientSampleId :
A4HT3

Tot Ion:278 Resp: 2392
Ion Ratio Lower Upper
278 100
139 153.5 16.4 24.6#
279 82.0 20.2 30.2#



#28
Benzo(g,h,i)perylene
Concen: 0.00 ng/ul
RT: 26.37 min Scan# 1797
Delta R.T. -0.20 min
Lab File: BM003190.D
Acq: 19 Nov 2015 13:46

Tgt Ion:276 Resp: 794
Ion Ratio Lower Upper
276 100
277 94.8 18.9 28.3#
138 214.9 22.5 33.7#

