

Data Path : Z:\HPCHEM1\BNA M\DATA\BM111915\
 Data File : BM003209.D
 Acq On : 20 Nov 2015 02:48
 Operator : UM/IZ
 Sample : G4323-30
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 A4J59

Quant Time: Nov 20 03:42:50 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 03:16:26 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.74	152	15857	0.40	ng/ul	0.00
4) Naphthalene-d8	10.53	136	60280	0.40	ng/ul	0.00
8) Acenaphthene-d10	14.38	164	30757	0.40	ng/ul	0.00
12) Phenanthrene-d10	17.23	188	3594452	0.40	ng/ul	0.10
18) Chrysene-d12	21.32	240	59741	0.40	ng/ul	-0.01
22) Perylene-d12	23.44	264	3978073	0.40	ng/ul	-0.15

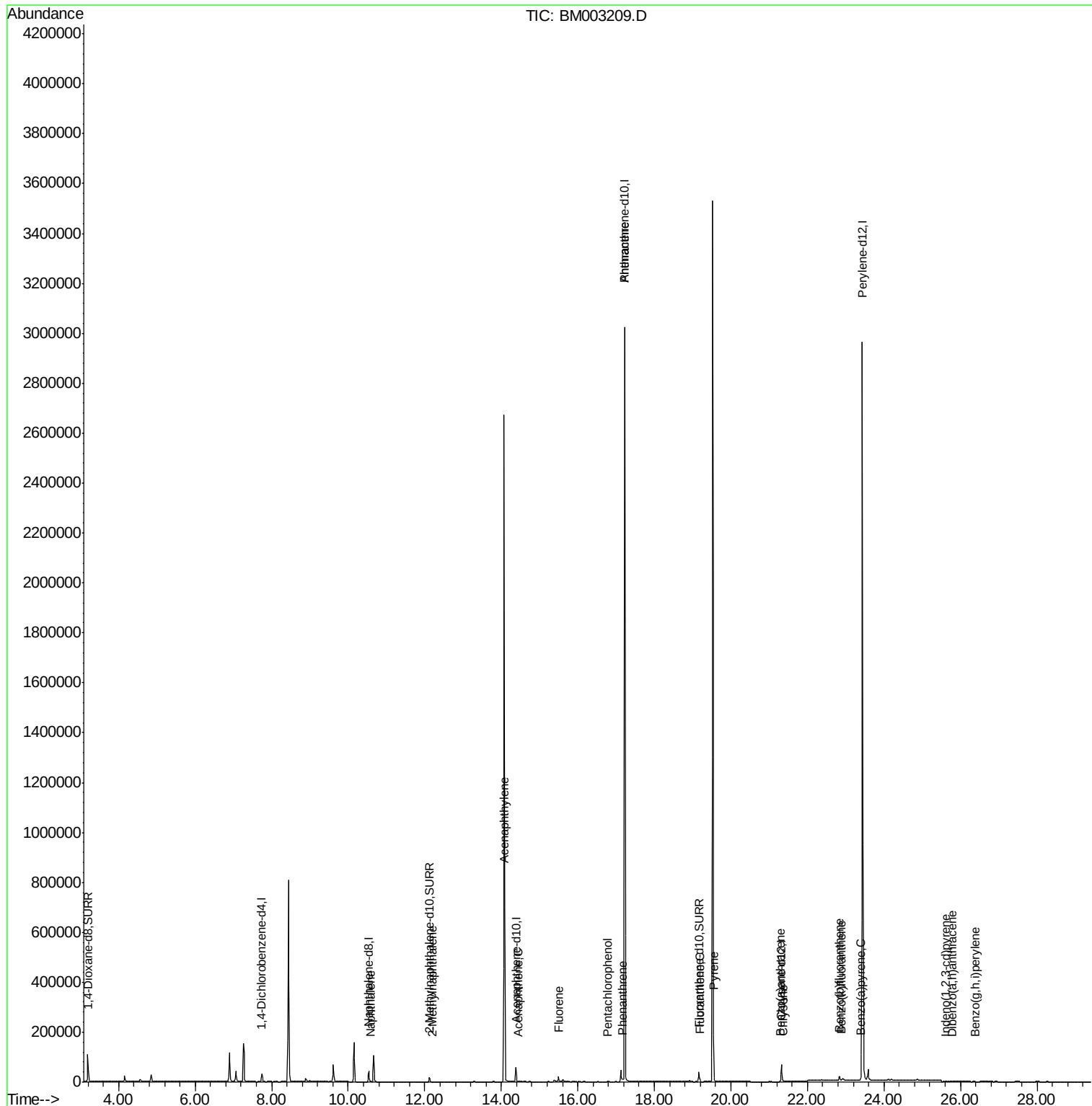
System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
2) 1,4-Dioxane-d8	3.20	96	81153	4.79	ng/uL	0.00
6) 2-Methylnaphthalene-d10	12.12	152	22070	0.27	ng/ul	0.00
16) Fluoranthene-d10	19.17	212	44347	0.01	ng/ul	0.00

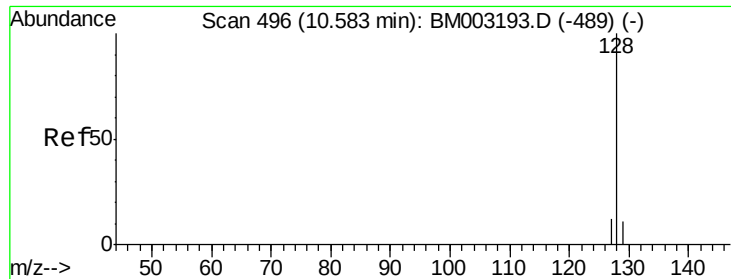
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
5) Naphthalene	10.58	128	3312	0.02	ng/ul#	84
7) 2-Methylnaphthalene	12.19	142	458	0.00	ng/ul#	100
9) Acenaphthylene	14.09	152	1199	0.01	ng/ul#	38
10) Acenaphthene	14.45	153	787	0.01	ng/ul#	88
11) Fluorene	15.49	166	299	0.00	ng/ul#	1
13) Pentachlorophenol	16.78	266	787	0.00	ng/ul#	12
14) Phenanthrene	17.17	178	13116	0.00	ng/ul	94
15) Anthracene	17.23	178	2713	0.00	ng/ul#	1
17) Fluoranthene	19.19	202	10240	0.00	ng/ul	89
19) Pyrene	19.55	202	15820	0.08	ng/ul#	82
20) Benzo(a)anthracene	21.30	228	4095	0.02	ng/ul#	79
21) Chrysene	21.35	228	4854	0.02	ng/ul#	82
23) Benzo(b)fluoranthene	22.83	252	215	0.00	ng/ul#	1
24) Benzo(k)fluoranthene	22.90	252	8342	0.00	ng/ul#	1
25) Benzo(a)pyrene	23.39	252	3491	0.00	ng/ul#	1
26) Indeno(1,2,3-cd)pyrene	25.62	276	335	0.00	ng/ul#	100
27) Dibenzo(a,h)anthracene	25.77	278	220	0.00	ng/ul#	1
28) Benzo(a,h,i)perylene	26.38	276	141	0.00	ng/ul#	1

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

```
Data Path : Z:\HPCHEM1\BNA M\DATA\BM111915\  
Data File : BM003209.D  
Acq On    : 20 Nov 2015  02:48  
Operator  : UM/IZ  
Sample    : G4323-30  
Misc      :  
ALS Vial  : 22      Sample Multiplier: 1
```

Quant Time: Nov 20 03:42:50 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 03:16:26 2015
Response via : Initial Calibration





#5

Naphthalene

Concen: 0.02 ng/ul

RT: 10.58 min Scan# 496

Delta R.T. -0.00 min

Lab File: BM003209.D

Acq: 20 Nov 2015 02:48

Instrument :

BNA_M

ClientSampleId :

A4J59

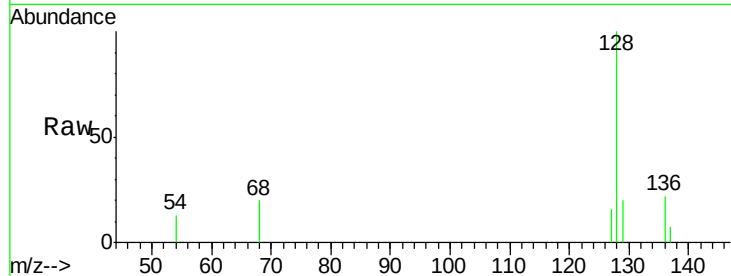
Tot Ion:128 Resp: 3312

Ion Ratio Lower Upper

128 100

129 19.7 9.0 13.6#

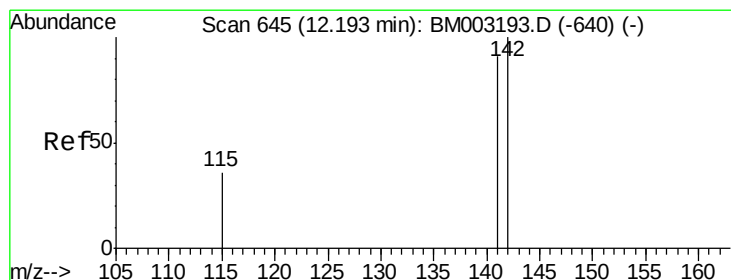
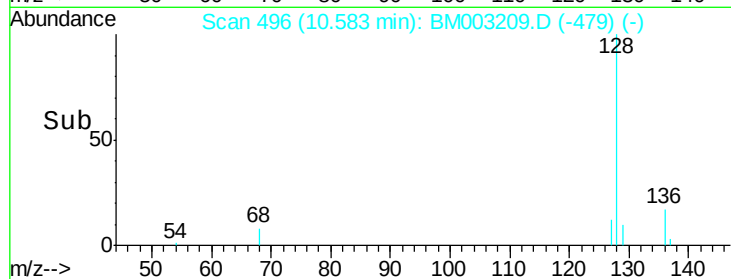
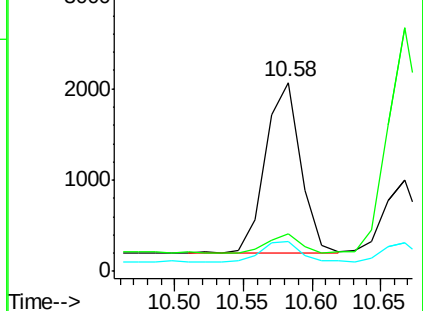
127 16.0 9.6 14.4#



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: 0.00 ng/ul

RT: 12.19 min Scan# 645

Delta R.T. -0.00 min

Lab File: BM003209.D

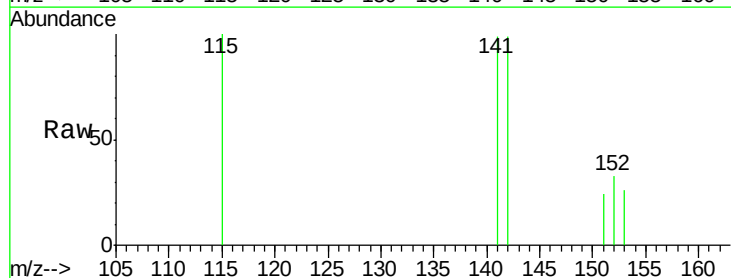
Acq: 20 Nov 2015 02:48

Tgt Ion:142 Resp: 458

Ion Ratio Lower Upper

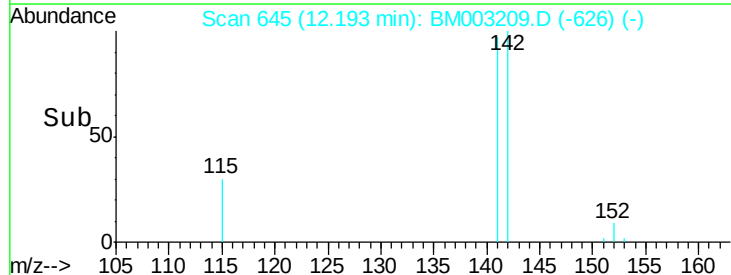
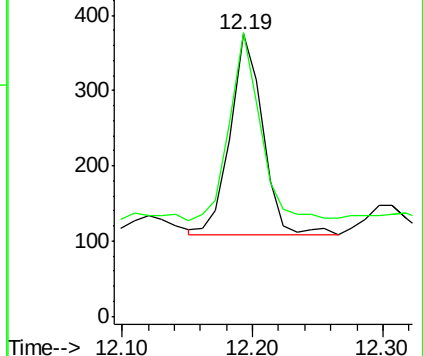
142 100

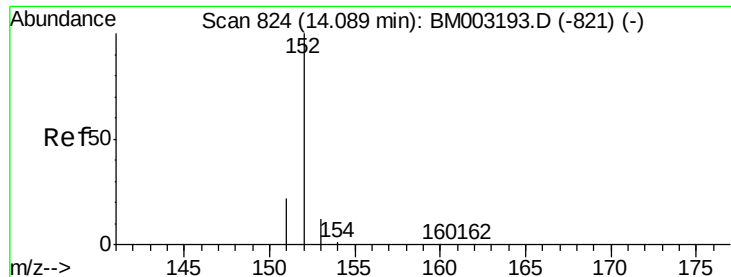
141 90.6 0.0 0.0#



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#9

Acenaphthylene

Concen: 0.01 ng/ul

RT: 14.09 min Scan# 824

Delta R.T. -0.00 min

Lab File: BM003209.D

Acq: 20 Nov 2015 02:48

Instrument :

BNA_M

ClientSampleId :

A4J59

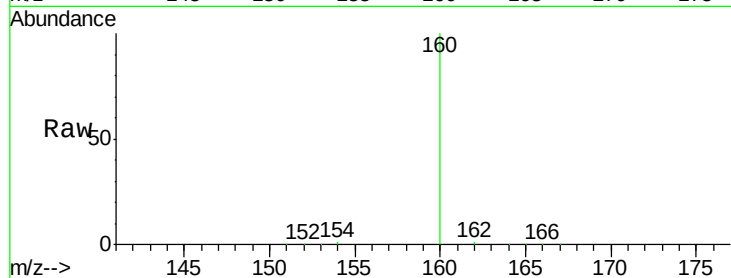
Tot Ion:152 Resp: 1199

Ion Ratio Lower Upper

152 100

151 39.9 17.6 26.4#

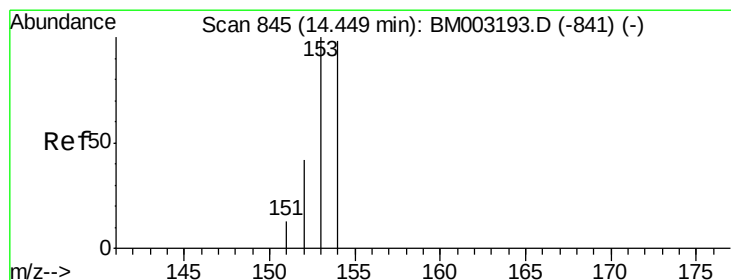
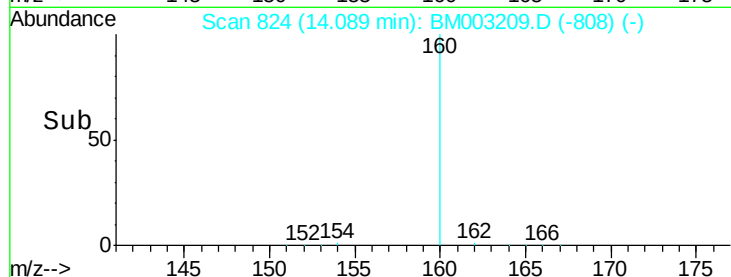
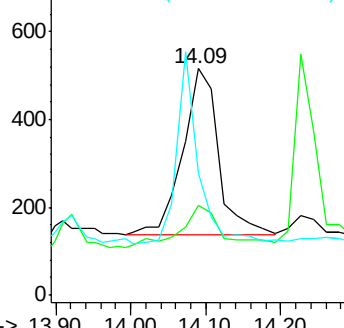
153 53.7 9.7 14.5#



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: 14.45 min Scan# 845

Delta R.T. -0.00 min

Lab File: BM003209.D

Acq: 20 Nov 2015 02:48

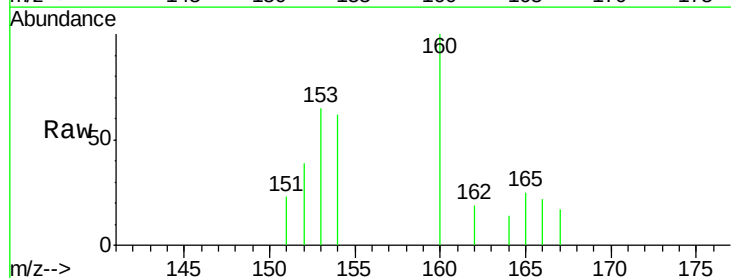
Tgt Ion:153 Resp: 787

Ion Ratio Lower Upper

153 100

152 60.4 33.9 50.9#

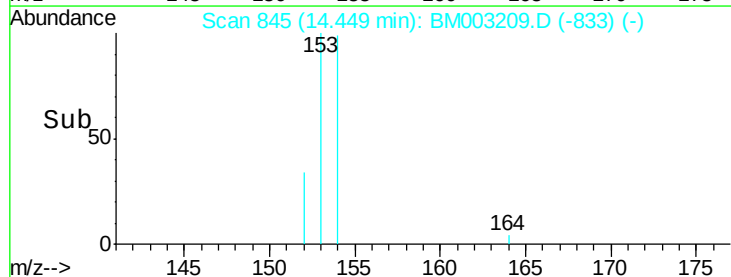
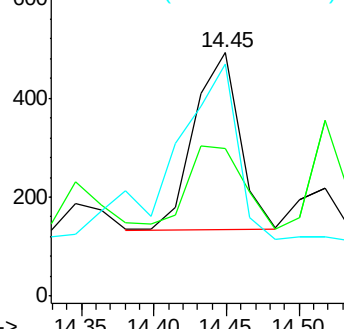
154 95.5 80.6 121.0

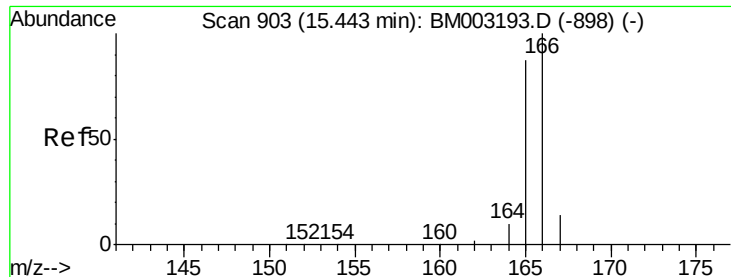


Abundance Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

Ion 154.00 (153.70 to 154.70): E

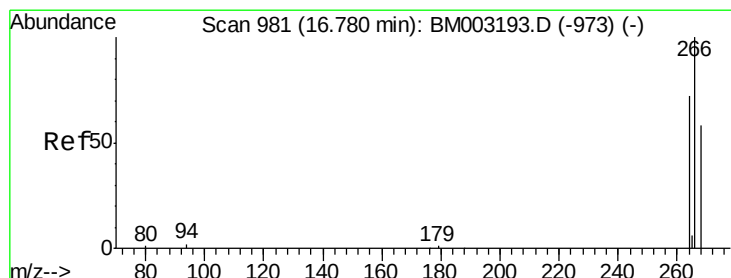
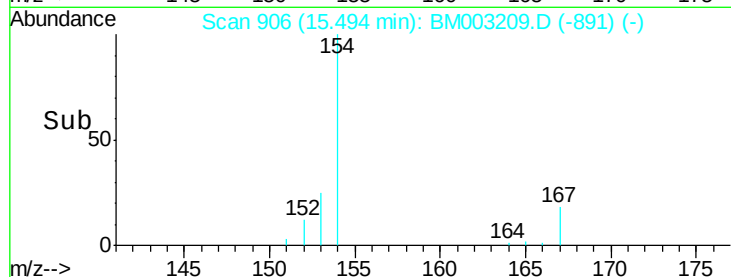
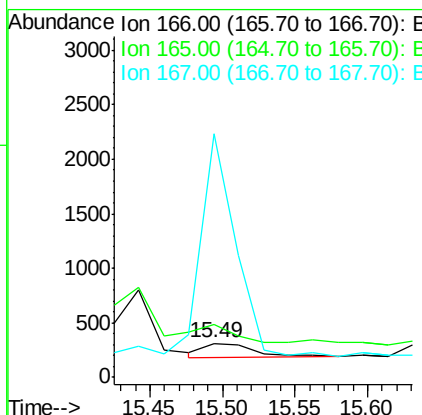
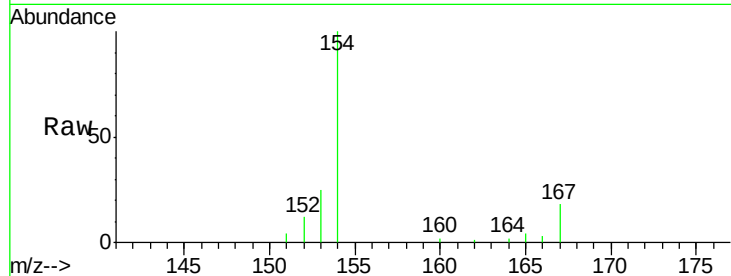




#11
 Fluorene
 Concen: 0.00 ng/ul
 RT: 15.49 min Scan# 906
 Delta R.T. 0.05 min
 Lab File: BM003209.D
 Acq: 20 Nov 2015 02:48

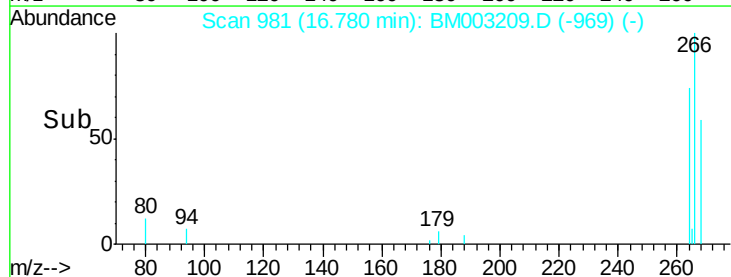
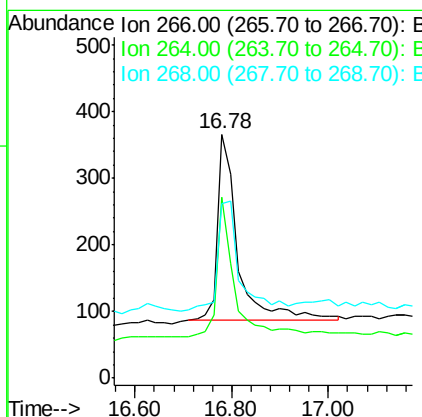
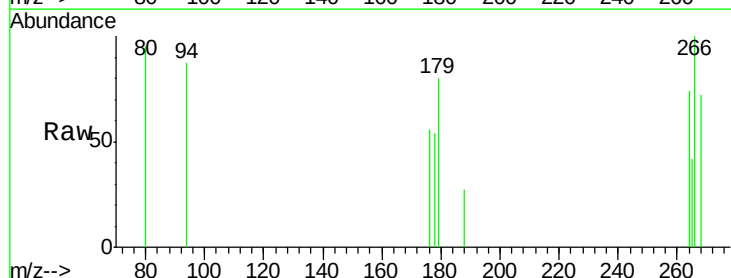
Instrument :
 BNA_M
 ClientSampled :
 A4J59

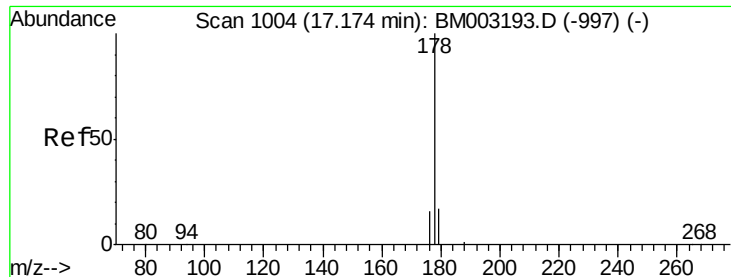
Tot Ion:166 Resp: 299
 Ion Ratio Lower Upper
 166 100
 165 155.8 69.6 104.4#
 167 720.3 11.9 17.9#



#13
 Pentachlorophenol
 Concen: 0.00 ng/ul
 RT: 16.78 min Scan# 981
 Delta R.T. -0.00 min
 Lab File: BM003209.D
 Acq: 20 Nov 2015 02:48

Tgt Ion:266 Resp: 787
 Ion Ratio Lower Upper
 266 100
 264 66.7 0.3 0.5#
 268 63.9 0.0 0.0#





#14

Phenanthrene

Concen: 0.00 ng/ul

RT: 17.17 min Scan# 1004

Delta R.T. -0.00 min

Lab File: BM003209.D

Acq: 20 Nov 2015 02:48

Instrument :

BNA_M

ClientSampleId :

A4J59

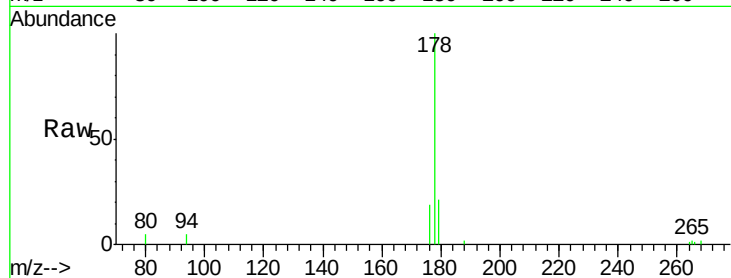
Tot Ion:178 Resp: 13116

Ion Ratio Lower Upper

178 100

176 18.5 13.0 19.4

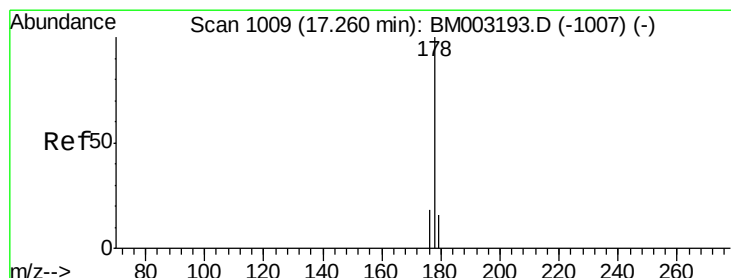
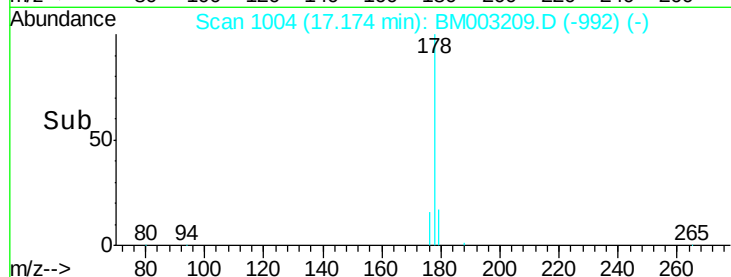
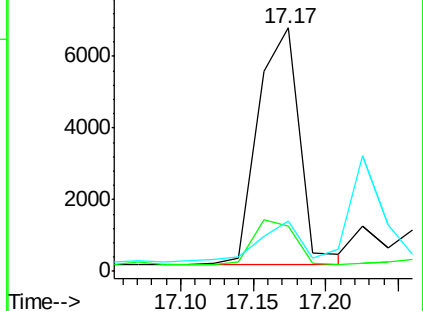
179 20.9 14.2 21.2



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# 1007

Delta R.T. -0.03 min

Lab File: BM003209.D

Acq: 20 Nov 2015 02:48

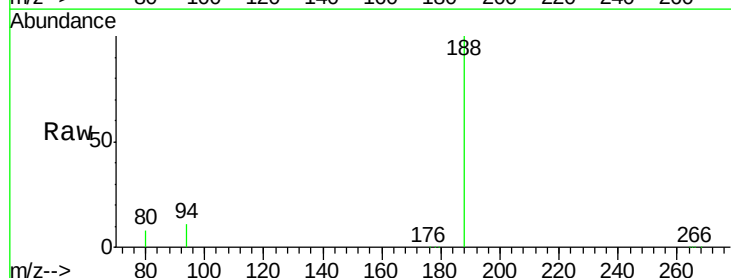
Tgt Ion:178 Resp: 2713

Ion Ratio Lower Upper

178 100

176 16.7 14.0 21.0

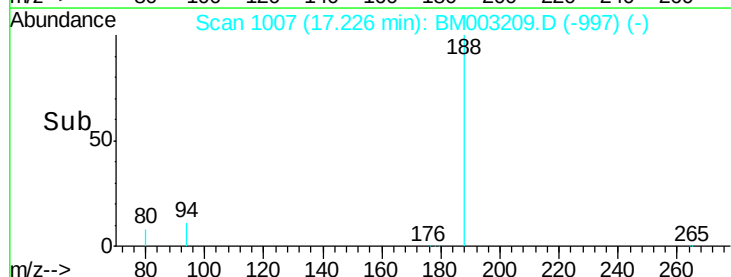
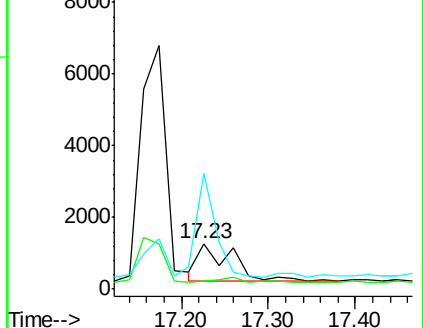
179 253.4 12.9 19.3#

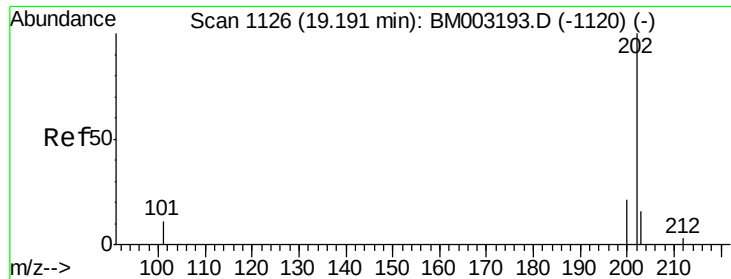


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E

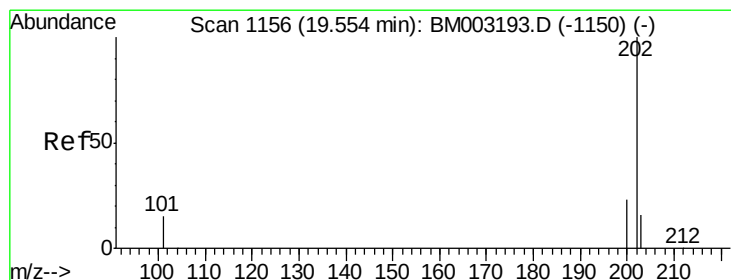
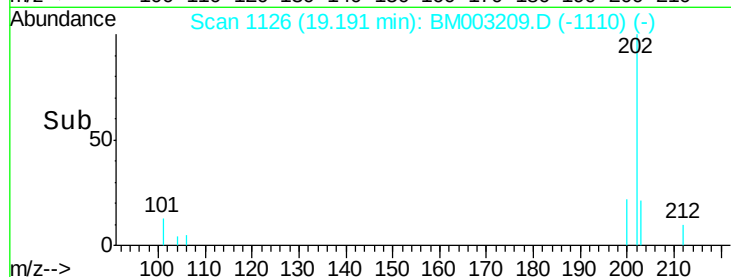
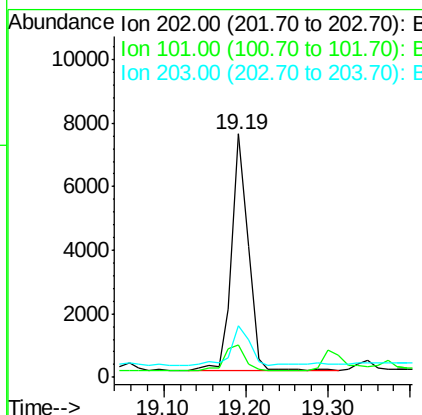
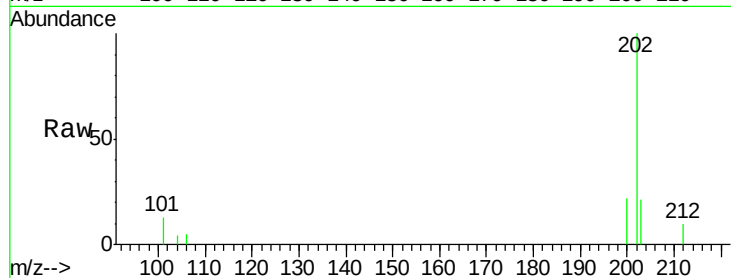




#17
Fluoranthene
Concen: 0.00 ng/ul
RT: 19.19 min Scan# 1126
Delta R.T. -0.00 min
Lab File: BM003209.D
Acq: 20 Nov 2015 02:48

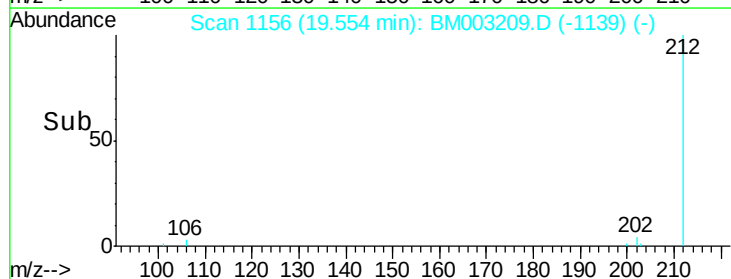
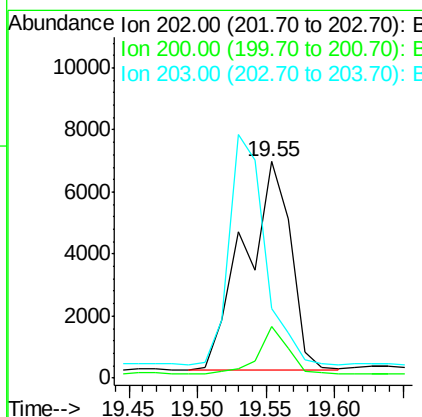
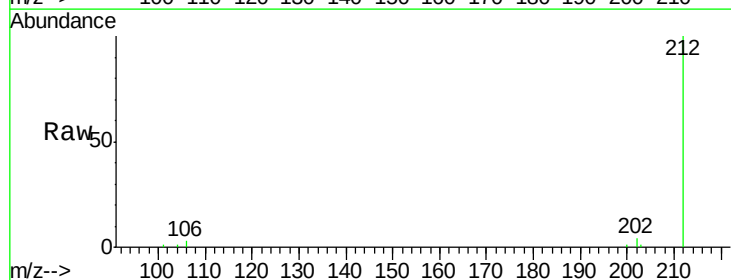
Instrument :
BNA_M
ClientSampleId :
A4J59

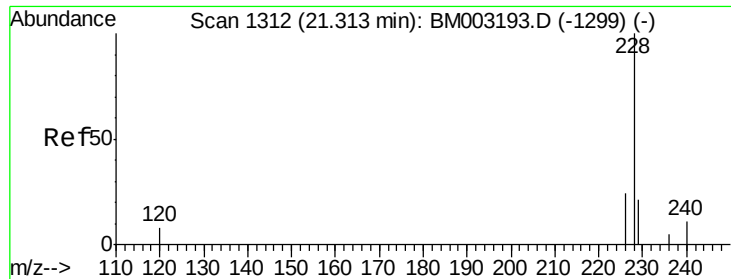
Tot Ion:202 Resp: 10240
Ion Ratio Lower Upper
202 100
101 13.4 0.0 29.6
203 21.2 0.0 36.3



#19
Pyrene
Concen: 0.08 ng/ul
RT: 19.55 min Scan# 1156
Delta R.T. -0.00 min
Lab File: BM003209.D
Acq: 20 Nov 2015 02:48

Tgt Ion:202 Resp: 15820
Ion Ratio Lower Upper
202 100
200 23.7 17.8 26.8
203 32.4 12.8 19.2#





#20

Benzo(a)anthracene

Concen: 0.02 ng/ul

RT: 21.30 min Scan# 1311

Delta R.T. -0.01 min

Lab File: BM003209.D

Acq: 20 Nov 2015 02:48

Instrument :

BNA_M

ClientSampleId :

A4J59

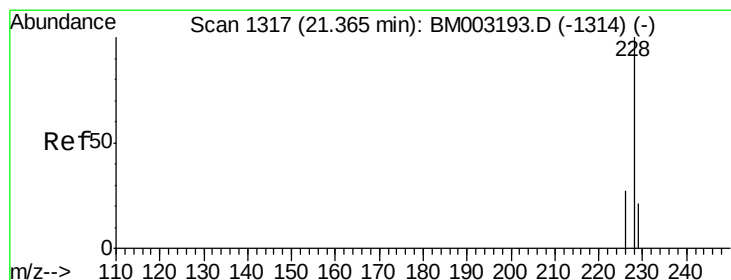
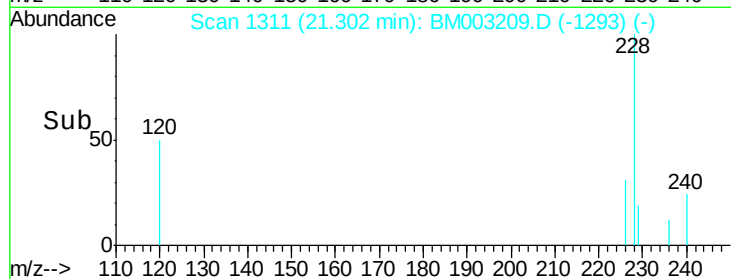
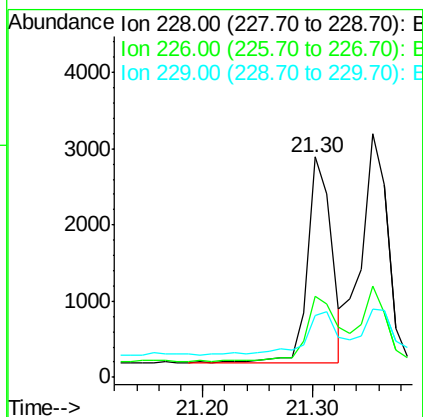
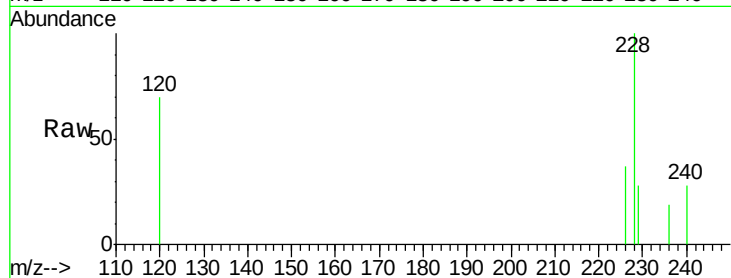
Tot Ion:228 Resp: 4095

Ion Ratio Lower Upper

228 100

226 36.6 18.8 28.2#

229 28.4 17.1 25.7#



#21

Chrysene

Concen: 0.02 ng/ul

RT: 21.35 min Scan# 1316

Delta R.T. -0.01 min

Lab File: BM003209.D

Acq: 20 Nov 2015 02:48

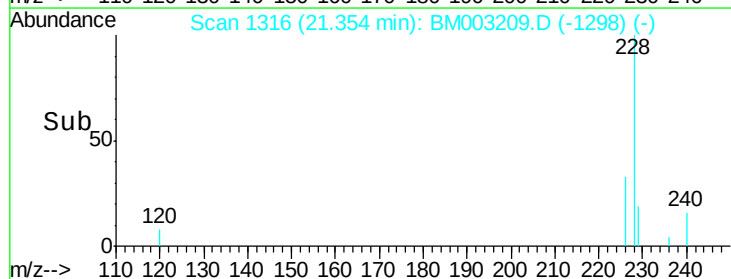
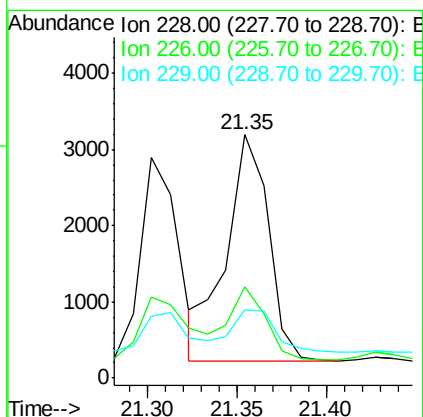
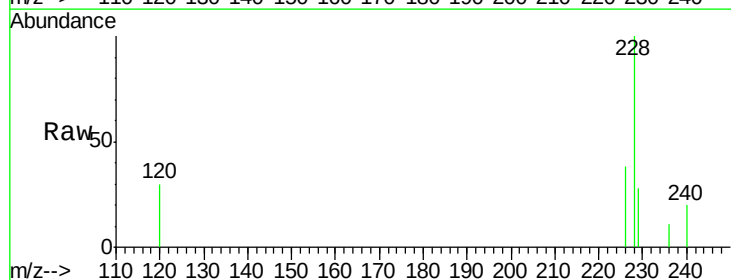
Tgt Ion:228 Resp: 4854

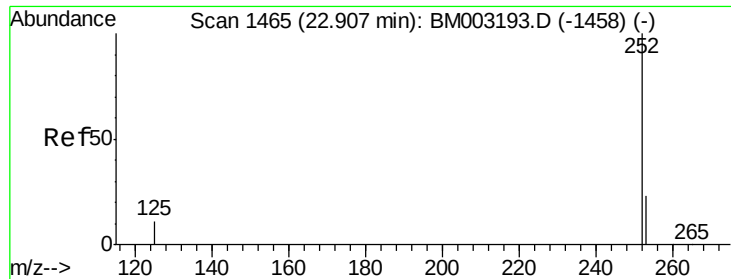
Ion Ratio Lower Upper

228 100

226 37.7 21.2 31.8#

229 27.8 17.0 25.6#





#23

Benzo(b)fluoranthene

Concen: 0.00 ng/ul

RT: 22.83 min Scan# 1458

Delta R.T. -0.07 min

Lab File: BM003209.D

Acq: 20 Nov 2015 02:48

Instrument :

BNA_M

ClientSampleId :

A4J59

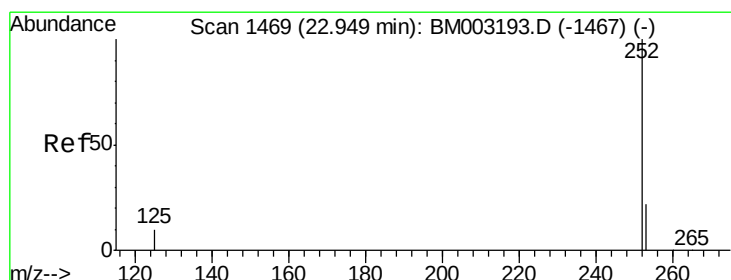
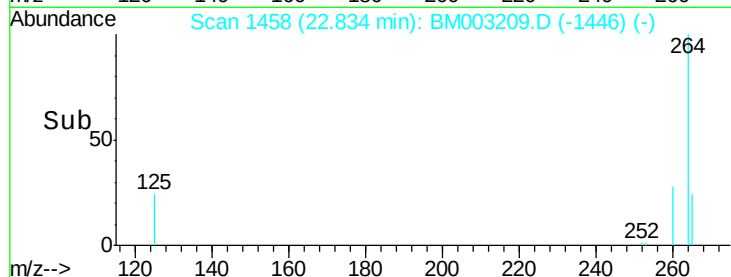
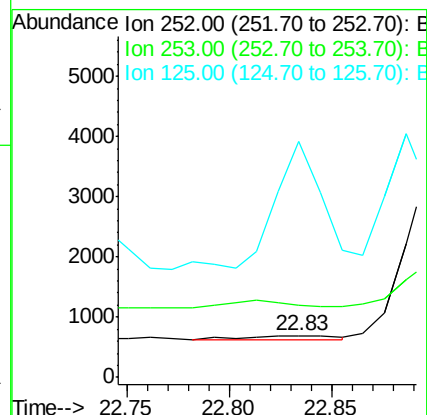
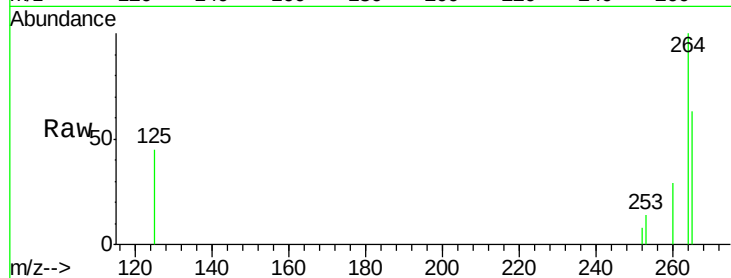
Tot Ion:252 Resp: 215

Ion Ratio Lower Upper

252 100

253 174.5 0.0 45.4#

125 567.0 0.0 28.8#



#24

Benzo(k)fluoranthene

Concen: 0.00 ng/ul

RT: 22.90 min Scan# 1464

Delta R.T. -0.05 min

Lab File: BM003209.D

Acq: 20 Nov 2015 02:48

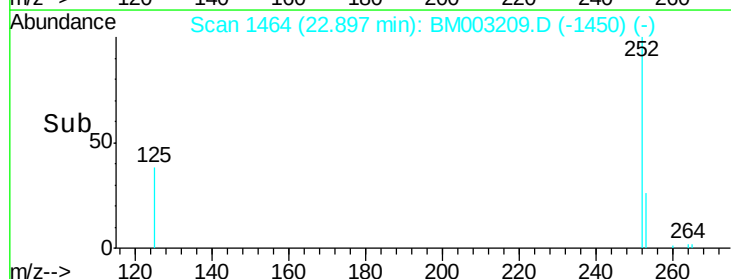
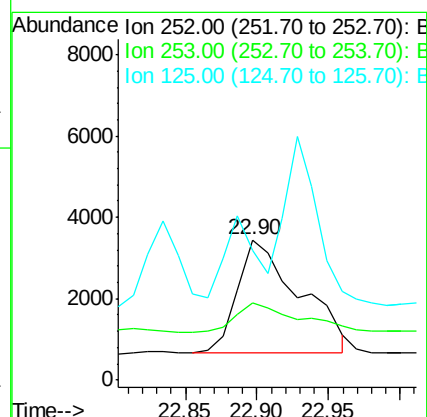
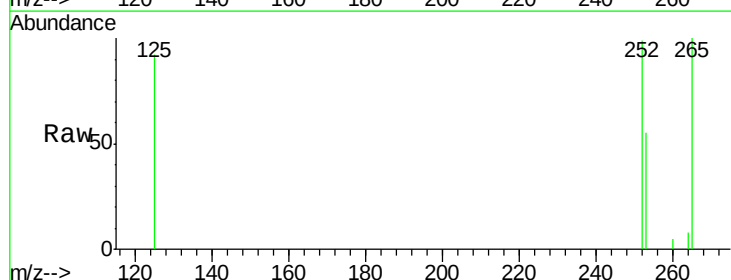
Tgt Ion:252 Resp: 8342

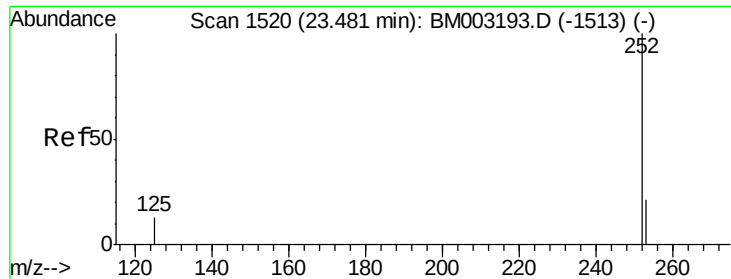
Ion Ratio Lower Upper

252 100

253 55.1 19.8 29.8#

125 92.7 10.4 15.6#





#25

Benzo(a)pyrene

Concen: 0.00 ng/ul

RT: 23.39 min Scan# 1511

Delta R.T. -0.09 min

Lab File: BM003209.D

Acq: 20 Nov 2015 02:48

Instrument :

BNA_M

ClientSampleId :

A4J59

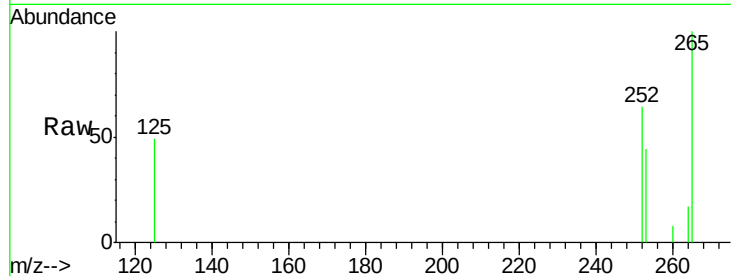
Tot Ion:252 Resp: 3491

Ion Ratio Lower Upper

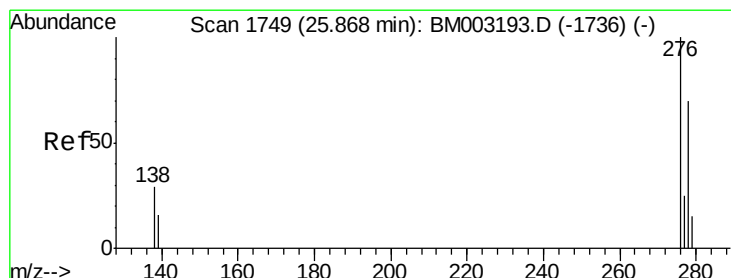
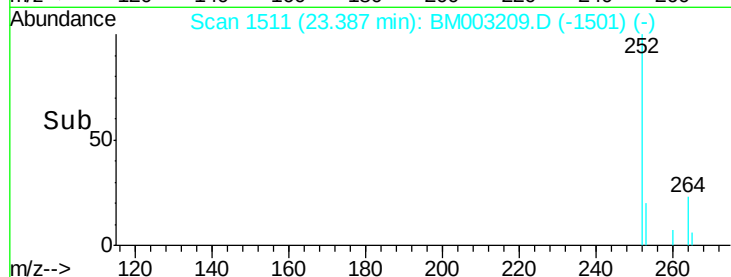
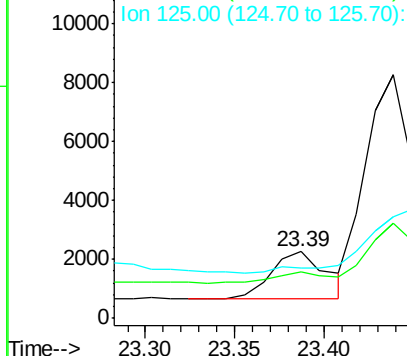
252 100

253 68.7 19.4 29.2#

125 76.1 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: 25.62 min Scan# 1725

Delta R.T. -0.25 min

Lab File: BM003209.D

Acq: 20 Nov 2015 02:48

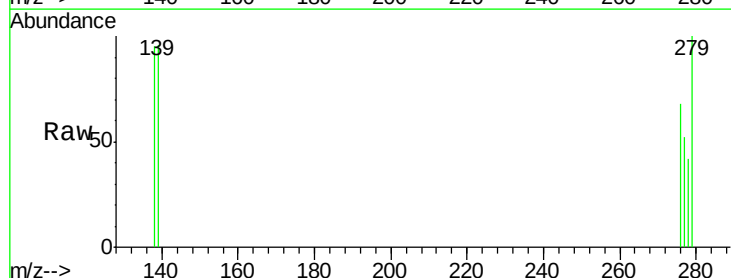
Tgt Ion:276 Resp: 335

Ion Ratio Lower Upper

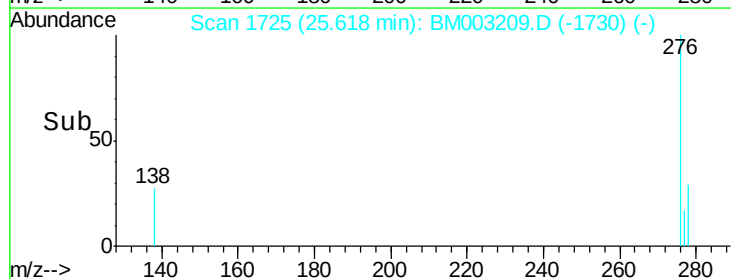
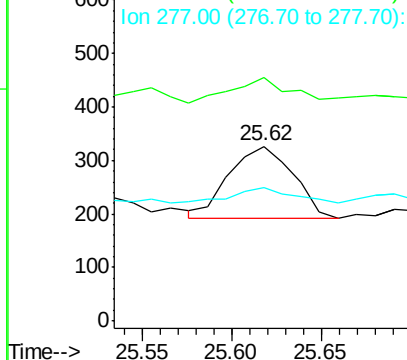
276 100

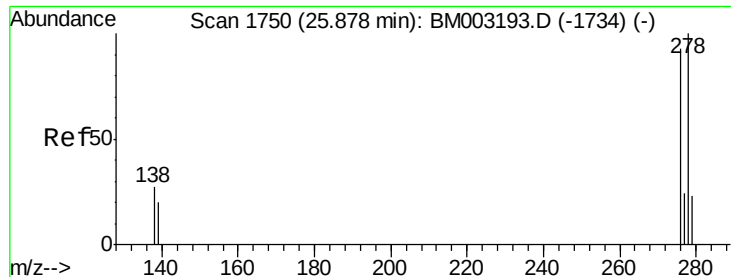
138 33.7 0.0 0.0#

277 20.0 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

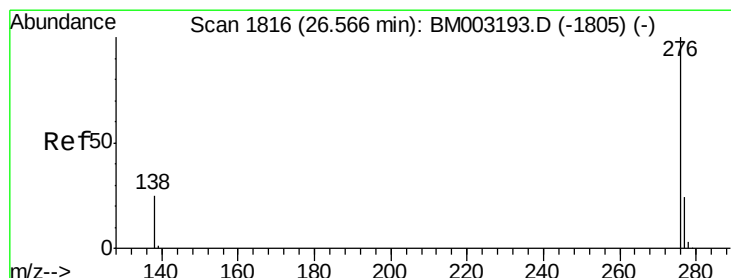
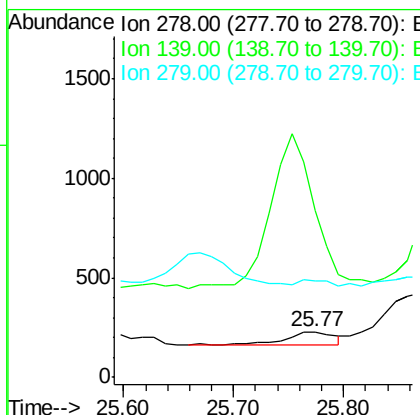
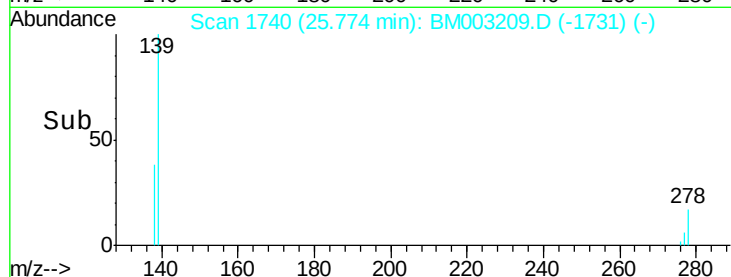
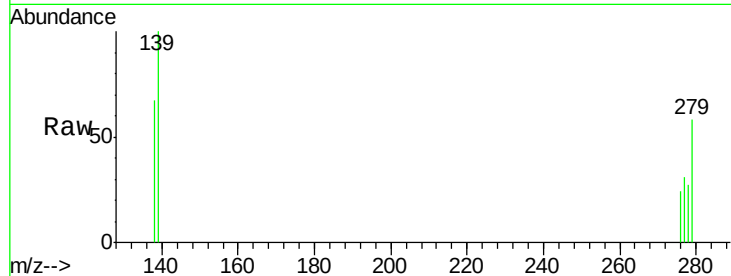




#27
Dibenzo(a,h)anthracene
Concen: 0.00 ng/ul
RT: 25.77 min Scan# 1740
Delta R.T. -0.10 min
Lab File: BM003209.D
Acq: 20 Nov 2015 02:48

Instrument :
BNA_M
ClientSampled :
A4J59

Tot Ion:278 Resp: 220
Ion Ratio Lower Upper
278 100
139 365.1 16.4 24.6#
279 210.0 20.2 30.2#



#28
Benzo(g,h,i)perylene
Concen: 0.00 ng/ul
RT: 26.38 min Scan# 1798
Delta R.T. -0.19 min
Lab File: BM003209.D
Acq: 20 Nov 2015 02:48

Tgt Ion:276 Resp: 141
Ion Ratio Lower Upper
276 100
277 114.5 18.9 28.3#
138 291.9 22.5 33.7#

