

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM112015\
 Data File : BM003220.D
 Acq On : 20 Nov 2015 13:50
 Operator : UM/IZ
 Sample : G4323-18
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 A4J02

Quant Time: Nov 21 03:30:01 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 : Sat Nov 21 03:26:56 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.74	152	13562	0.40	ng/ul	0.00
4) Naphthalene-d8	10.53	136	53259	0.40	ng/ul	0.00
8) Acenaphthene-d10	14.38	164	29491	0.40	ng/ul	0.00
12) Phenanthrene-d10	17.12	188	66180	0.40	ng/ul	0.00
18) Chrysene-d12	21.33	240	69576	0.40	ng/ul	0.00
22) Perylene-d12	23.60	264	65134	0.40	ng/ul	0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
2) 1,4-Dioxane-d8	3.16	96	304	0.02	ng/uL	-0.03
6) 2-Methylnaphthalene-d10	12.12	152	23385	0.32	ng/ul	0.00
16) Fluoranthene-d10	19.17	212	66553	0.41	ng/ul	0.00

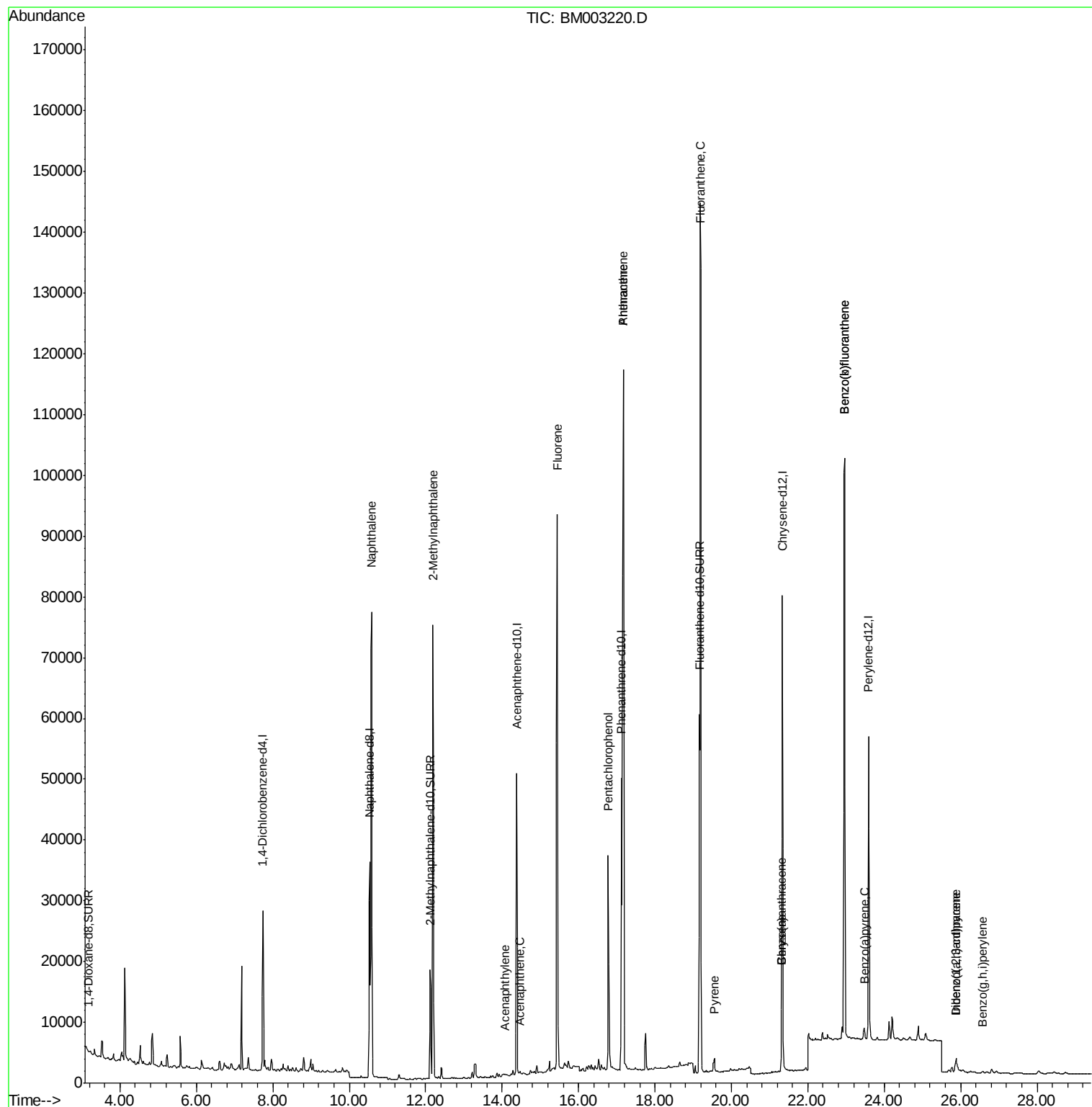
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Naphthalene	10.58	128	114273	0.84	ng/ul	100
7) 2-Methylnaphthalene	12.19	142	52960	0.59	ng/ul#	100
9) Acenaphthylene	14.09	152	165	0.00	ng/ul#	1
10) Acenaphthene	14.47	153	320	0.00	ng/ul#	39
11) Fluorene	15.44	166	71293	0.64	ng/ul	98
13) Pentachlorophenol	16.78	266	26793	1.72	ng/ul	96
14) Phenanthrene	17.17	178	158993	0.83	ng/ul	99
15) Anthracene	17.17	178	159493	0.99	ng/ul	98
17) Fluoranthene	19.20	202	155837	0.73	ng/ul	91
19) Pyrene	19.57	202	2194	0.01	ng/ul#	74
20) Benzo(a)anthracene	21.31	228	5860	0.03	ng/ul#	88
21) Chrysene	21.31	228	5860	0.03	ng/ul	92
23) Benzo(b)fluoranthene	22.96	252	135282	0.55	ng/ul	98
24) Benzo(k)fluoranthene	22.96	252	135663	0.58	ng/ul	98
25) Benzo(a)pyrene	23.48	252	419	0.00	ng/ul#	1
26) Indeno(1,2,3-cd)pyrene	25.87	276	4570	0.02	ng/ul#	82
27) Dibenzo(a,h)anthracene	25.89	278	476	0.00	ng/ul#	1
28) Benzo(g,h,i)perylene	26.58	276	680	0.00	ng/ul#	1

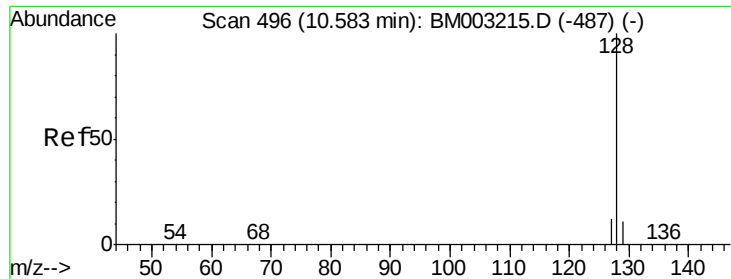
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#5

Naphthalene

Concen: 0.84 ng/ul

RT: 10.58 min Scan# 496

Delta R.T. -0.00 min

Lab File: BM003220.D

Acq: 20 Nov 2015 13:50

Instrument :

BNA_M

ClientSampleId :

A4J02

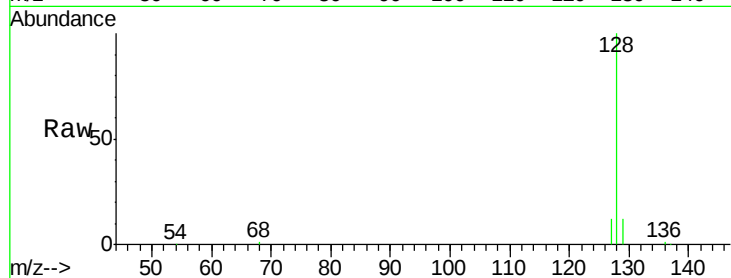
Tgt Ion:128 Resp: 114273

Ion Ratio Lower Upper

128 100

129 11.5 9.0 13.6

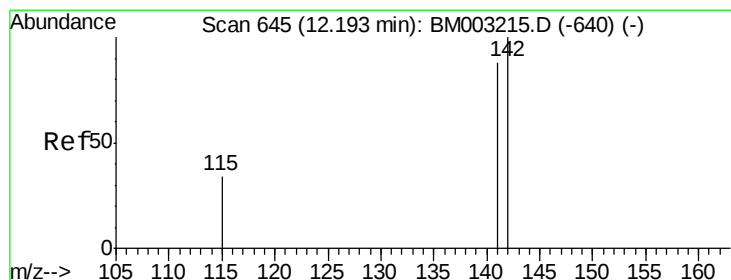
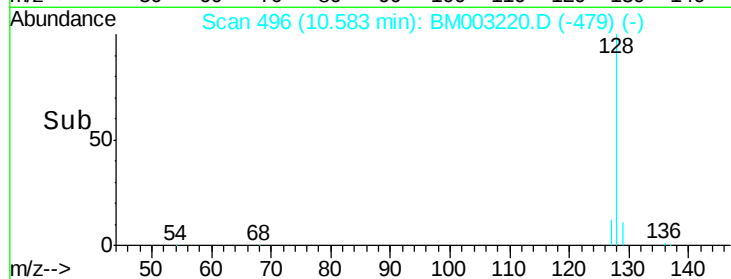
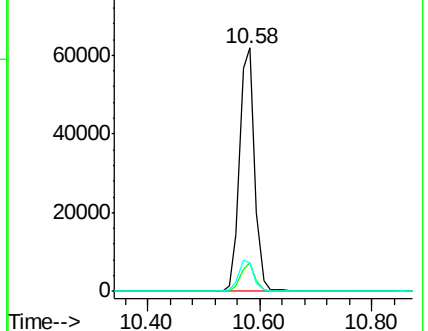
127 11.9 9.6 14.4



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: 0.59 ng/ul

RT: 12.19 min Scan# 645

Delta R.T. -0.00 min

Lab File: BM003220.D

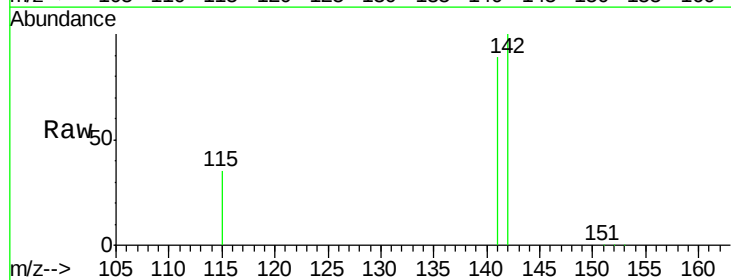
Acq: 20 Nov 2015 13:50

Tgt Ion:142 Resp: 52960

Ion Ratio Lower Upper

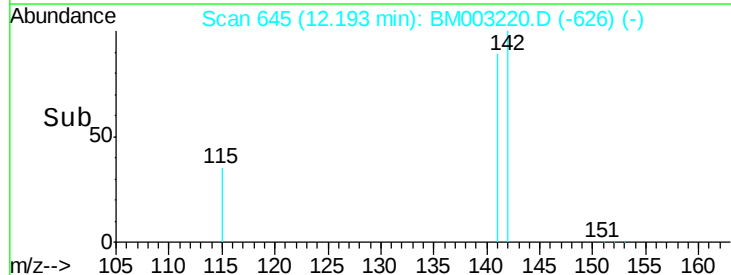
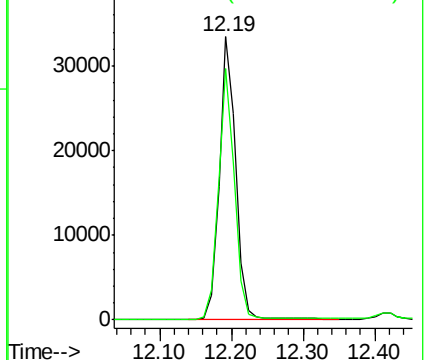
142 100

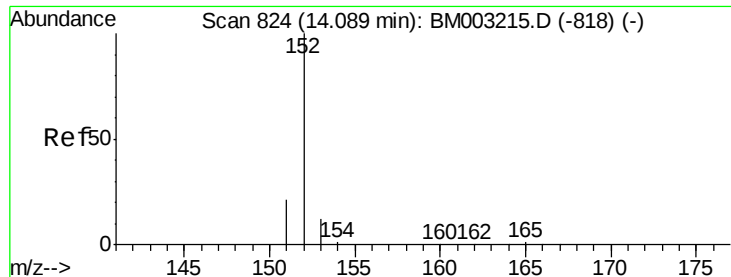
141 87.9 0.0 0.0#



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#9

Acenaphthylene

Concen: 0.00 ng/ul

RT: 14.09 min Scan# 824

Delta R.T. -0.00 min

Lab File: BM003220.D

Acq: 20 Nov 2015 13:50

Instrument :

BNA_M

ClientSampleId :

A4J02

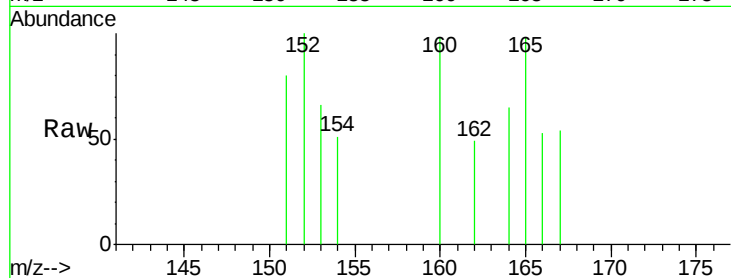
Tgt Ion:152 Resp: 165

Ion Ratio Lower Upper

152 100

151 80.0 17.6 26.4#

153 66.2 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

14.09

200

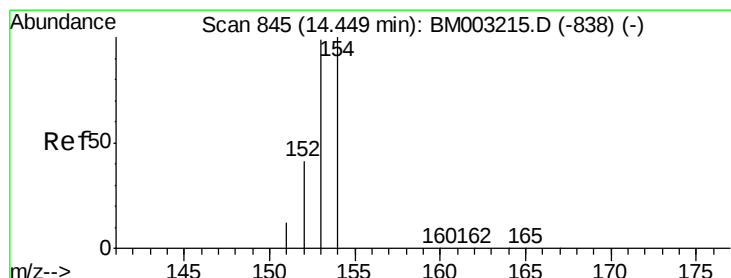
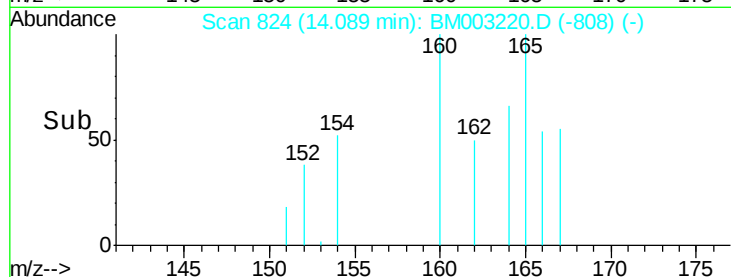
150

100

50

0

Time-->



#10

Acenaphthene

Concen: 0.00 ng/ul

RT: 14.47 min Scan# 846

Delta R.T. 0.02 min

Lab File: BM003220.D

Acq: 20 Nov 2015 13:50

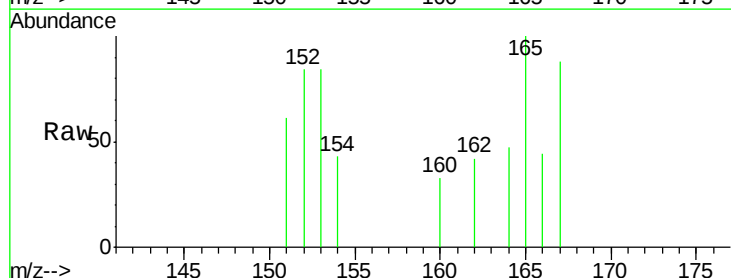
Tgt Ion:153 Resp: 320

Ion Ratio Lower Upper

153 100

152 99.6 33.9 50.9#

154 51.1 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

14.47

400

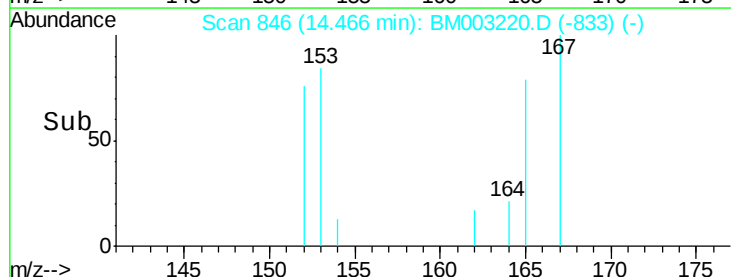
300

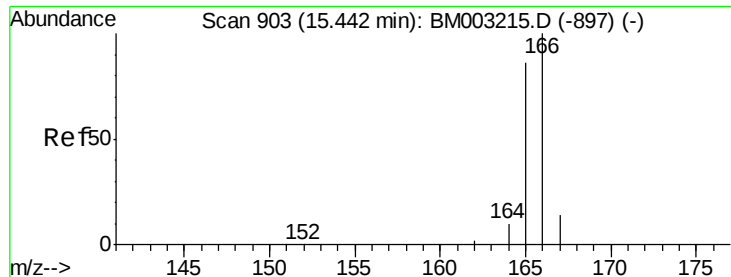
200

100

0

Time-->

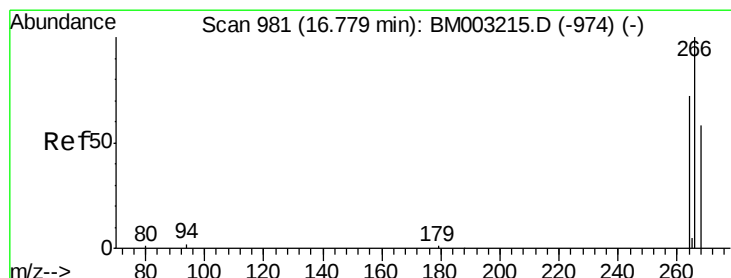
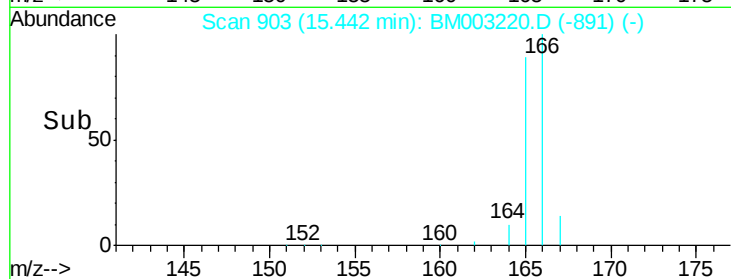
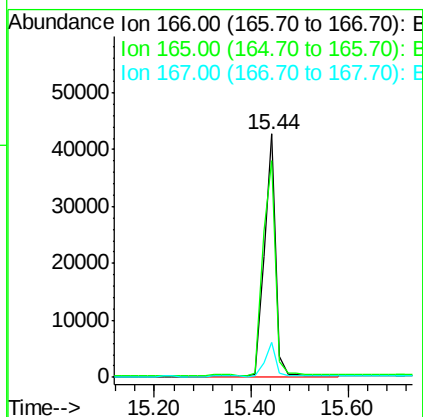
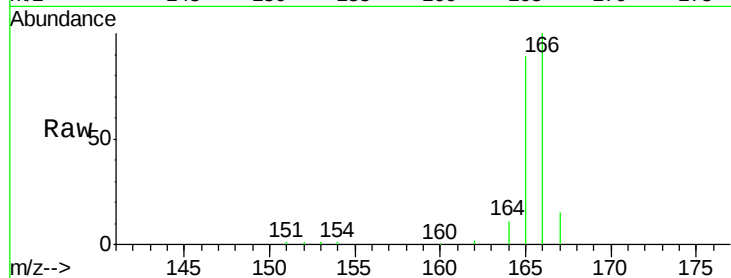




#11
Fluorene
 Concen: 0.64 ng/ul
 RT: 15.44 min Scan# 903
 Delta R.T. 0.00 min
 Lab File: BM003220.D
 Acq: 20 Nov 2015 13:50

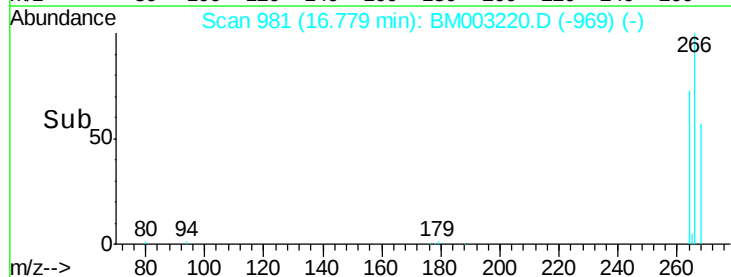
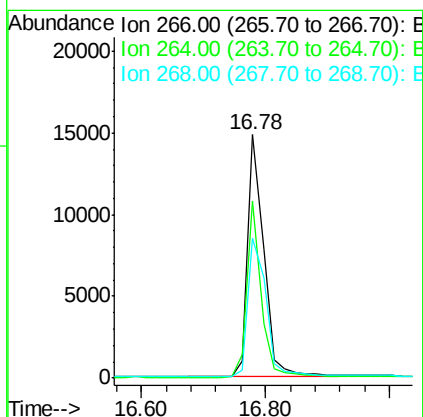
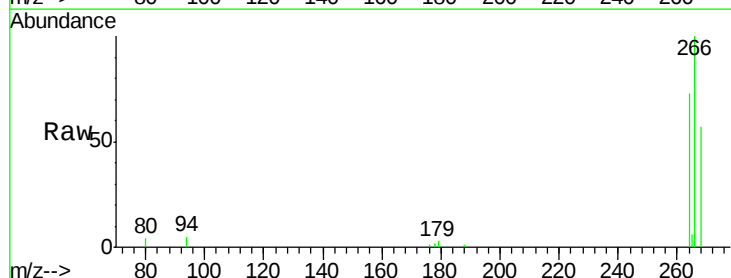
Instrument :
 BNA_M
 ClientSampleId :
 A4J02

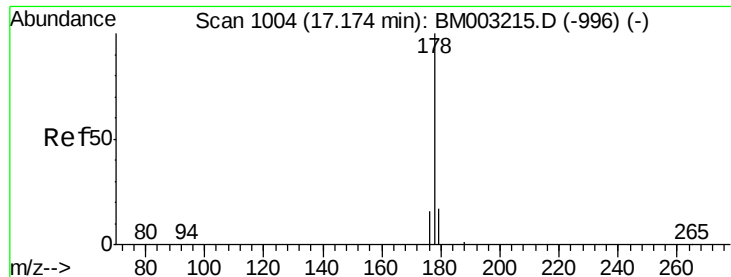
Tgt Ion:166 Resp: 71293
 Ion Ratio Lower Upper
 166 100
 165 89.1 69.6 104.4
 167 14.5 11.9 17.9



#13
Pentachlorophenol
 Concen: 1.72 ng/ul
 RT: 16.78 min Scan# 981
 Delta R.T. 0.00 min
 Lab File: BM003220.D
 Acq: 20 Nov 2015 13:50

Tgt Ion:266 Resp: 26793
 Ion Ratio Lower Upper
 266 100
 264 64.1 51.8 77.8
 268 63.8 46.8 70.2





#14

Phenanthrene

Concen: 0.83 ng/ul

RT: 17.17 min Scan# 1004

Delta R.T. -0.00 min

Lab File: BM003220.D

Acq: 20 Nov 2015 13:50

Instrument :

BNA_M

ClientSampleId :

A4J02

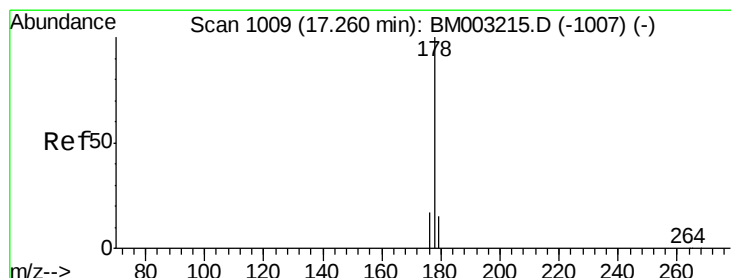
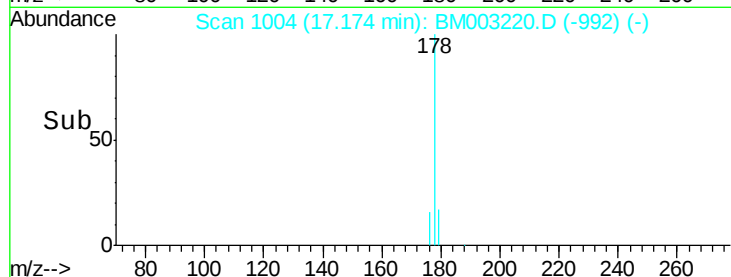
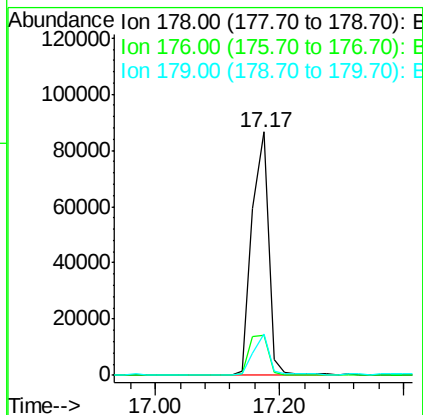
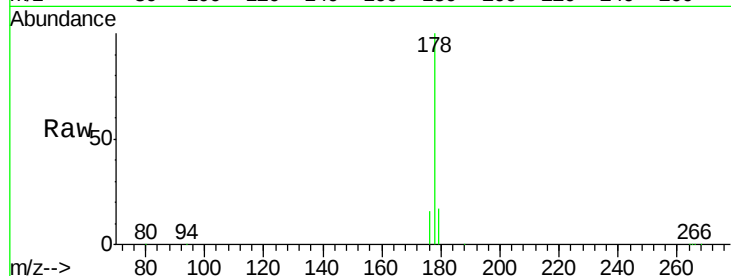
Tgt Ion:178 Resp: 158993

Ion Ratio Lower Upper

178 100

176 16.5 13.0 19.4

179 17.2 14.2 21.2



#15

Anthracene

Concen: 0.99 ng/ul

RT: 17.17 min Scan# 1004

Delta R.T. -0.09 min

Lab File: BM003220.D

Acq: 20 Nov 2015 13:50

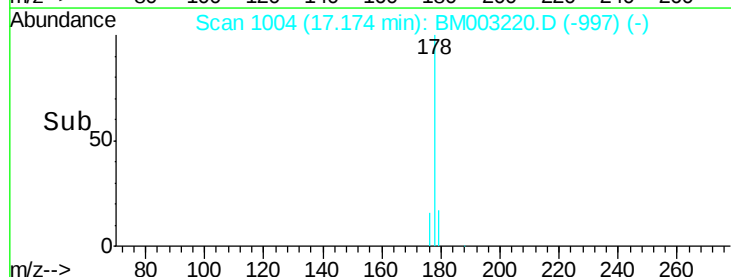
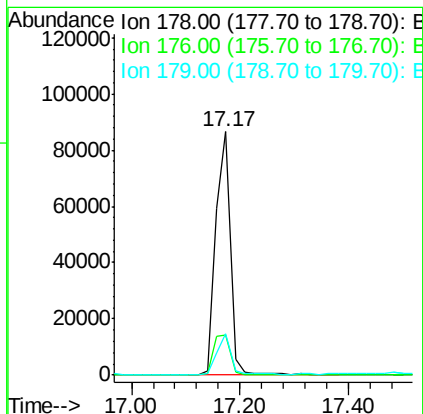
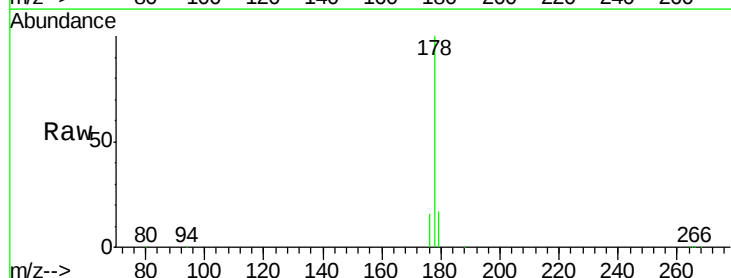
Tgt Ion:178 Resp: 159493

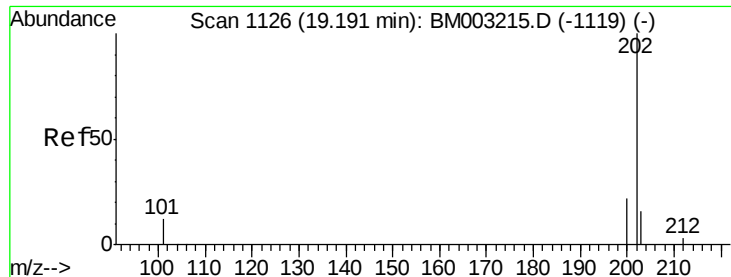
Ion Ratio Lower Upper

178 100

176 16.5 14.0 21.0

179 17.2 12.9 19.3

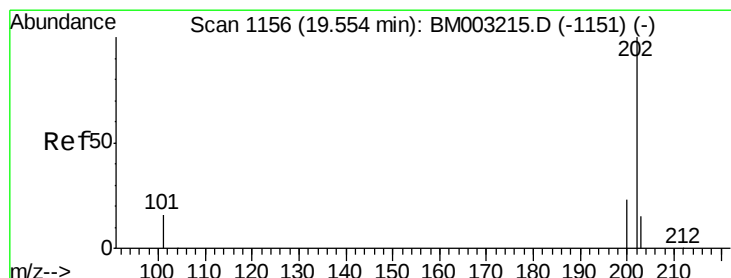
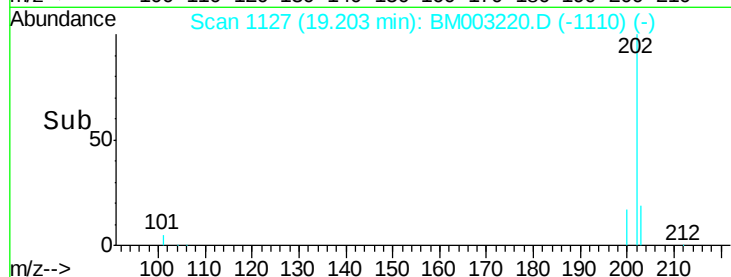
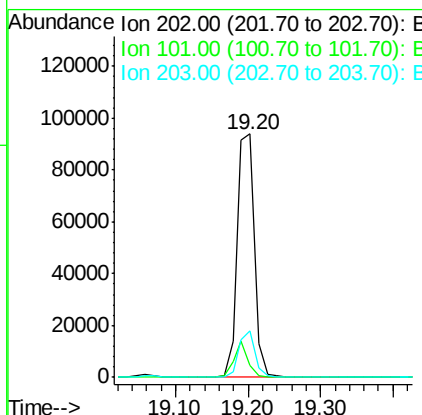
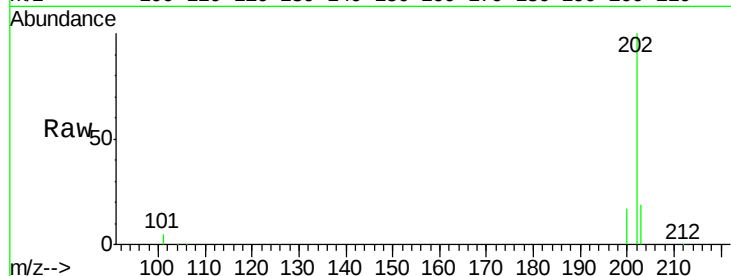




#17
Fluoranthene
 Concen: 0.73 ng/ul
 RT: 19.20 min Scan# 1127
 Delta R.T. 0.01 min
 Lab File: BM003220.D
 Acq: 20 Nov 2015 13:50

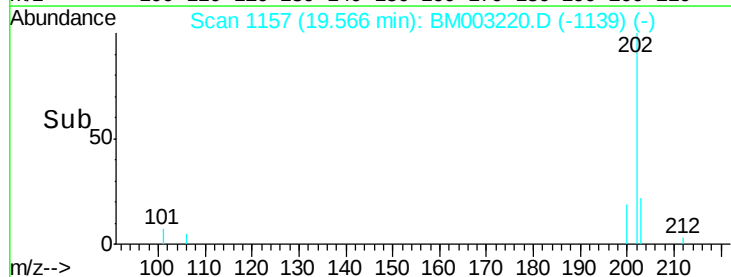
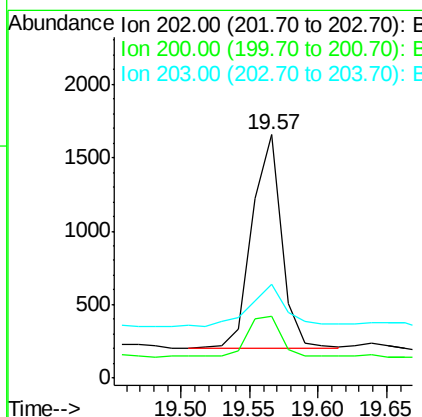
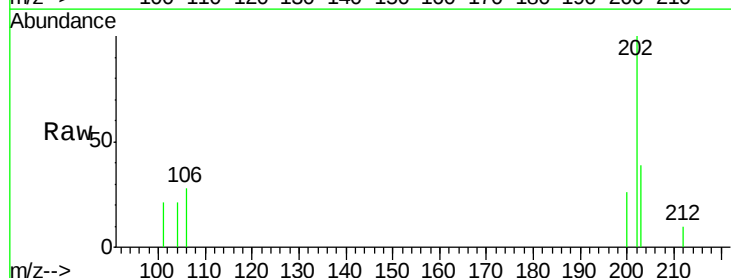
Instrument :
 BNA_M
 ClientSampleId :
 A4J02

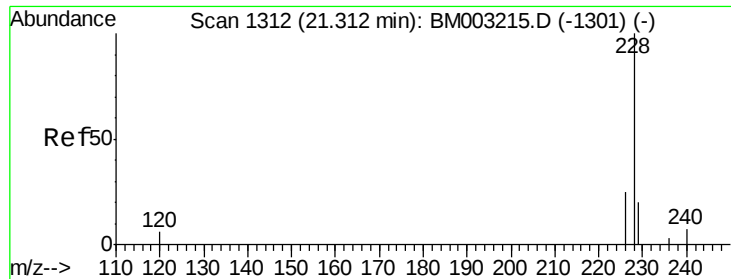
Tgt Ion	Ratio	Lower	Upper
202	100		
101	5.1	0.0	29.6
203	19.2	0.0	36.3



#19
Pyrene
 Concen: 0.01 ng/ul
 RT: 19.57 min Scan# 1157
 Delta R.T. 0.01 min
 Lab File: BM003220.D
 Acq: 20 Nov 2015 13:50

Tgt Ion	Ratio	Lower	Upper
202	100		
200	25.6	17.8	26.8
203	38.6	12.8	19.2#





#20

Benzo(a)anthracene

Concen: 0.03 ng/ul

RT: 21.31 min Scan# 1312

Delta R.T. 0.00 min

Lab File: BM003220.D

Acq: 20 Nov 2015 13:50

Instrument :

BNA_M

ClientSampleId :

A4J02

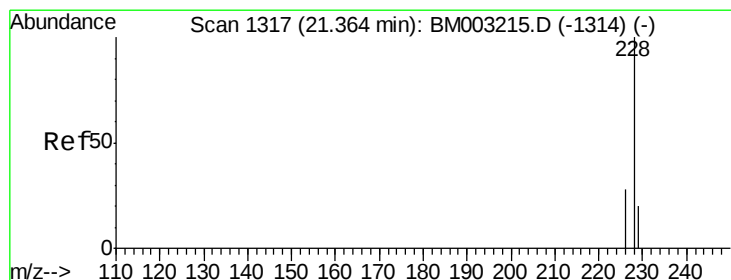
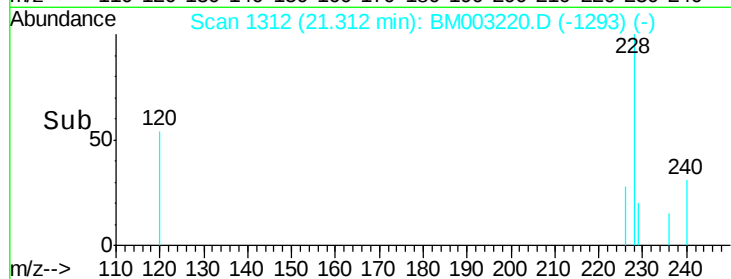
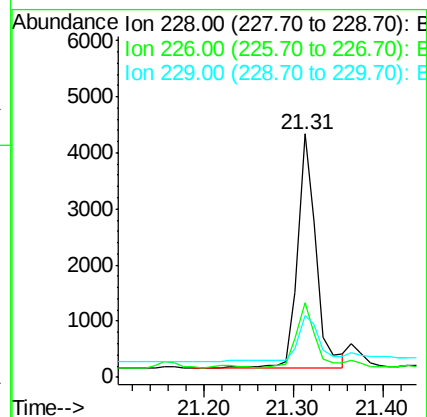
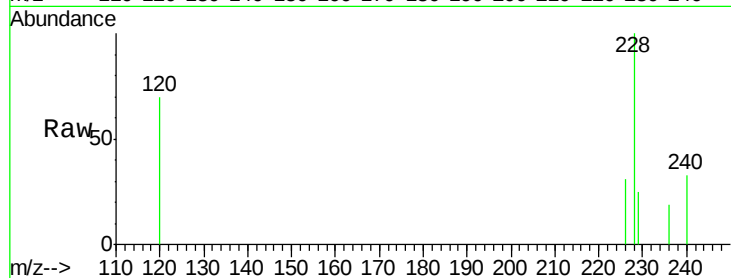
Tgt Ion:228 Resp: 5860

Ion Ratio Lower Upper

228 100

226 30.8 18.8 28.2#

229 25.2 17.1 25.7



#21

Chrysene

Concen: 0.03 ng/ul

RT: 21.31 min Scan# 1312

Delta R.T. -0.05 min

Lab File: BM003220.D

Acq: 20 Nov 2015 13:50

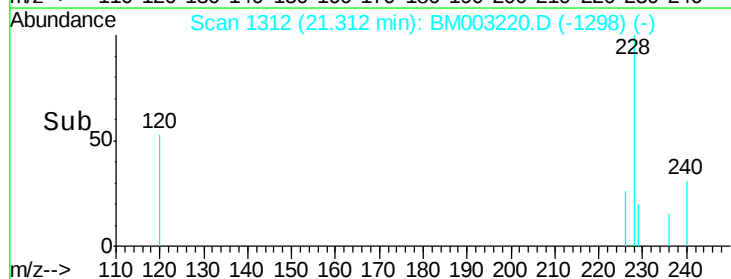
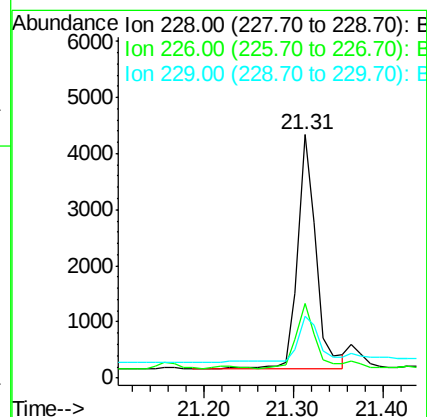
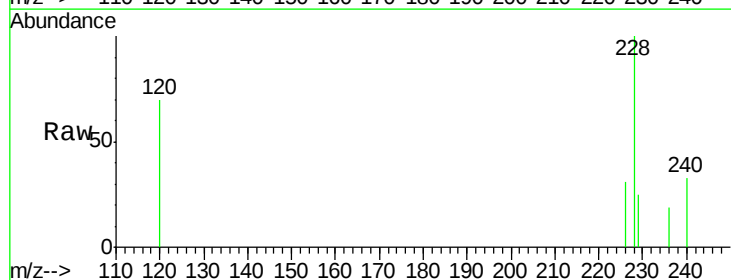
Tgt Ion:228 Resp: 5860

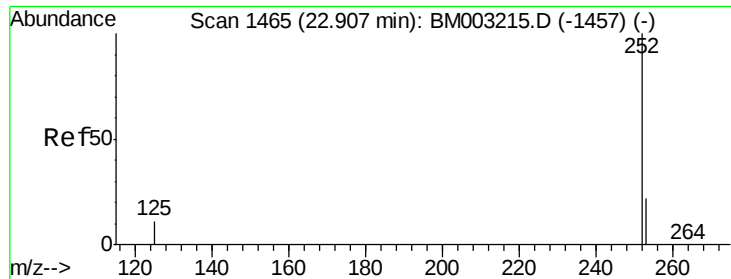
Ion Ratio Lower Upper

228 100

226 30.8 21.2 31.8

229 25.2 17.0 25.6





#23

Benzo(b)fluoranthene

Concen: 0.55 ng/ul

RT: 22.96 min Scan# 1470

Delta R.T. 0.05 min

Lab File: BM003220.D

Acq: 20 Nov 2015 13:50

Instrument :

BNA_M

ClientSampleId :

A4J02

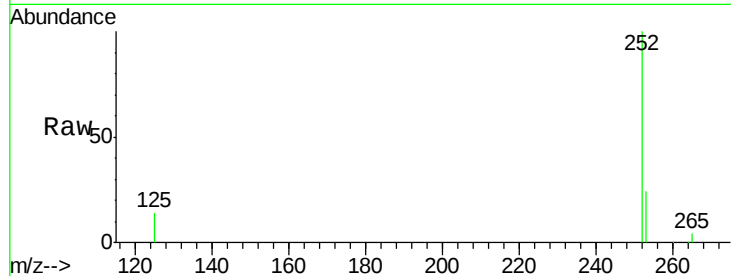
Tgt Ion:252 Resp: 135282

Ion Ratio Lower Upper

252 100

253 24.0 0.0 45.4

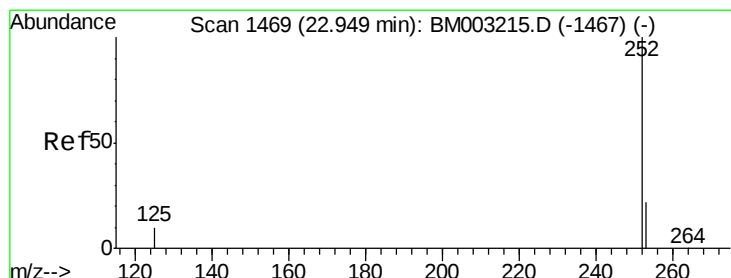
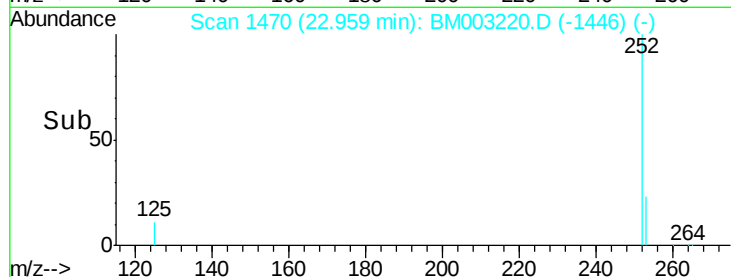
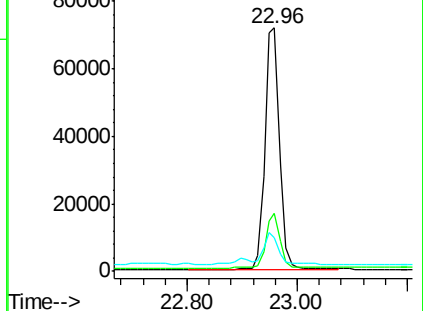
125 13.8 0.0 28.8



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: 0.58 ng/ul

RT: 22.96 min Scan# 1470

Delta R.T. 0.01 min

Lab File: BM003220.D

Acq: 20 Nov 2015 13:50

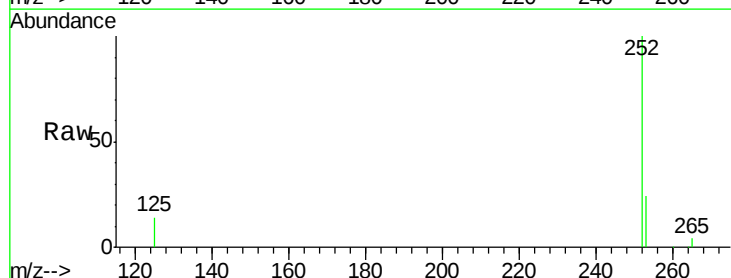
Tgt Ion:252 Resp: 135663

Ion Ratio Lower Upper

252 100

253 24.0 19.8 29.8

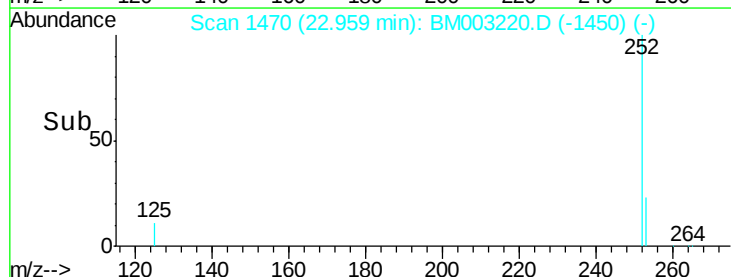
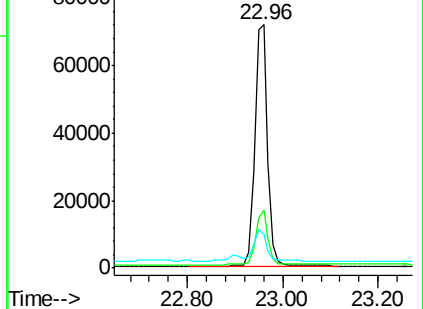
125 13.8 10.4 15.6

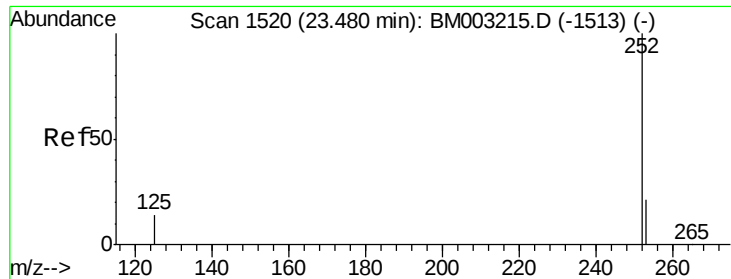


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#25

Benzo(a)pyrene

Concen: 0.00 ng/ul

RT: 23.48 min Scan# 1520

Delta R.T. 0.00 min

Lab File: BM003220.D

Acq: 20 Nov 2015 13:50

Instrument :

BNA_M

ClientSampleId :

A4J02

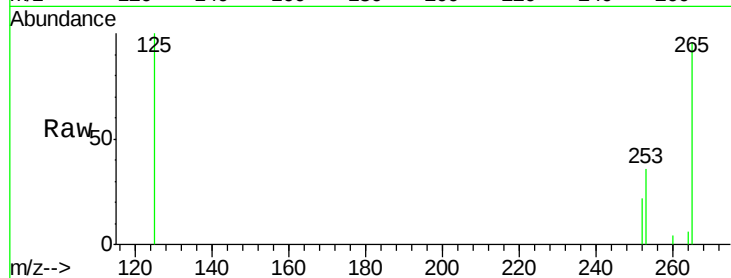
Tgt Ion:252 Resp: 419

Ion Ratio Lower Upper

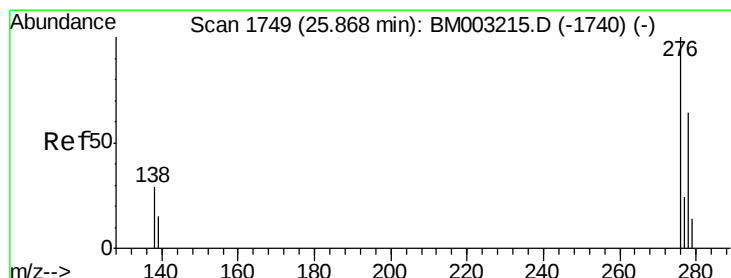
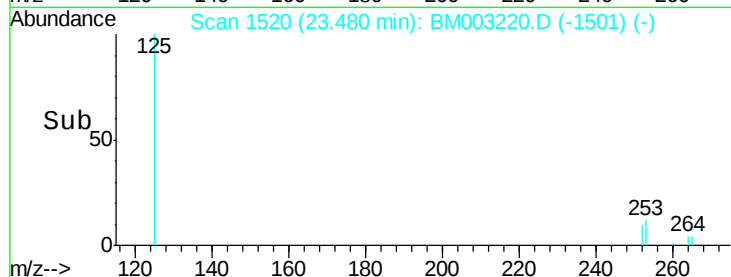
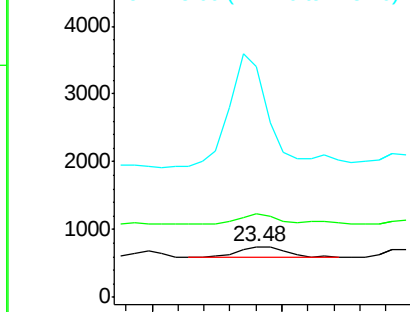
252 100

253 164.6 19.4 29.2#

125 457.2 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: 0.02 ng/ul

RT: 25.87 min Scan# 1749

Delta R.T. 0.00 min

Lab File: BM003220.D

Acq: 20 Nov 2015 13:50

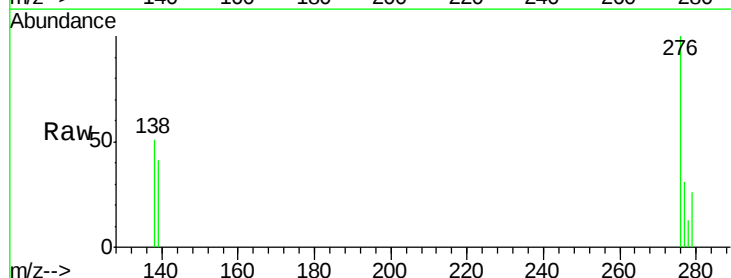
Tgt Ion:276 Resp: 4570

Ion Ratio Lower Upper

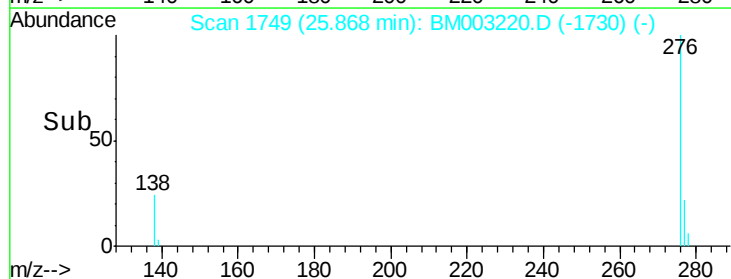
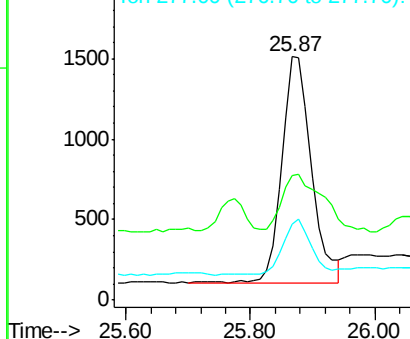
276 100

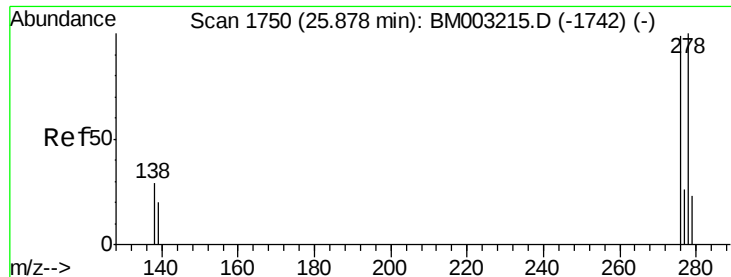
138 36.1 16.3 24.5#

277 27.6 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



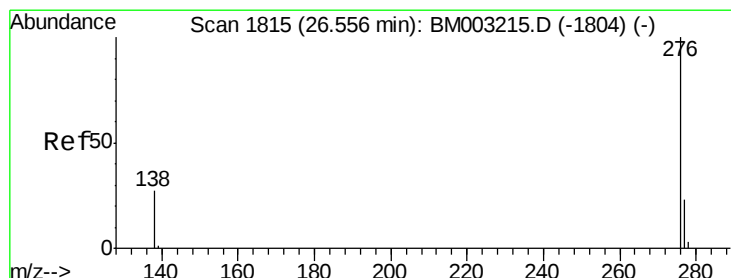
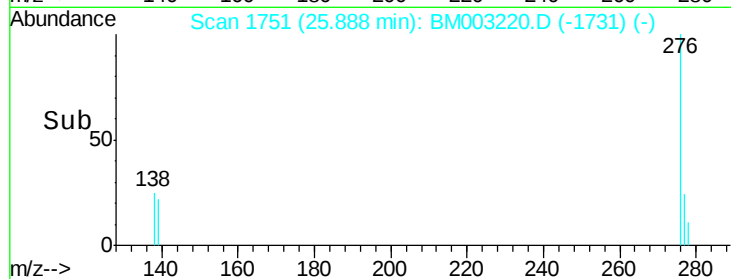
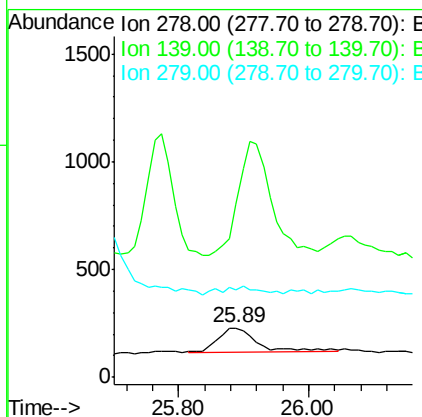
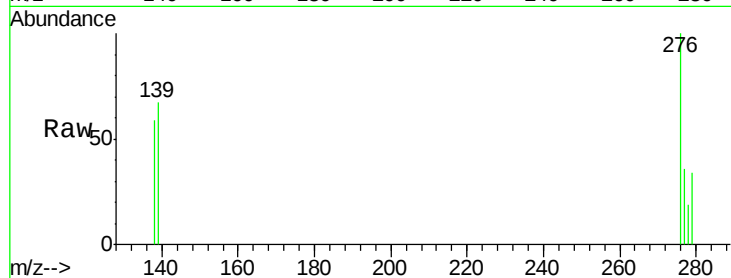


#27
Dibenzo(a,h)anthracene
Concen: 0.00 ng/ul
RT: 25.89 min Scan# 1751
Delta R.T. 0.01 min
Lab File: BM003220.D
Acq: 20 Nov 2015 13:50

Instrument :
BNA_M
ClientSampleId :
A4J02

Tgt Ion: 278 Resp: 476

Ion	Ratio	Lower	Upper
278	100		
139	350.4	16.4	24.6#
279	177.0	20.2	30.2#



#28
Benzo(g,h,i)perylene
Concen: 0.00 ng/ul
RT: 26.58 min Scan# 1817
Delta R.T. 0.02 min
Lab File: BM003220.D
Acq: 20 Nov 2015 13:50

Tgt Ion: 276 Resp: 680

Ion	Ratio	Lower	Upper
276	100		
277	76.1	18.9	28.3#
138	162.7	22.5	33.7#

