

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM111815\
 Data File : BM003178.D
 Acq On : 19 Nov 2015 02:00
 Operator : UM/IZ
 Sample : G4323-05
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 A4HT6

Quant Time: Nov 19 03:58:26 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	25996	0.40	ng/ul	0.00
4) Naphthalene-d8	10.53	136	101324	0.40	ng/ul	0.00
8) Acenaphthene-d10	14.38	164	61483	0.40	ng/ul	0.00
12) Phenanthrene-d10	17.12	188	141542	0.40	ng/ul	0.00
18) Chrysene-d12	21.32	240	204497	0.40	ng/ul	0.00
22) Perylene-d12	23.57	264	195307	0.40	ng/ul	0.00

System Monitoring Compounds						
2) 1,4-Dioxane-d8	3.20	96	90123	3.24	ng/uL	0.00
6) 2-Methylnaphthalene-d10	12.12	152	23533	0.17	ng/ul	0.00
16) Fluoranthene-d10	19.17	212	49921	0.14	ng/ul	0.00

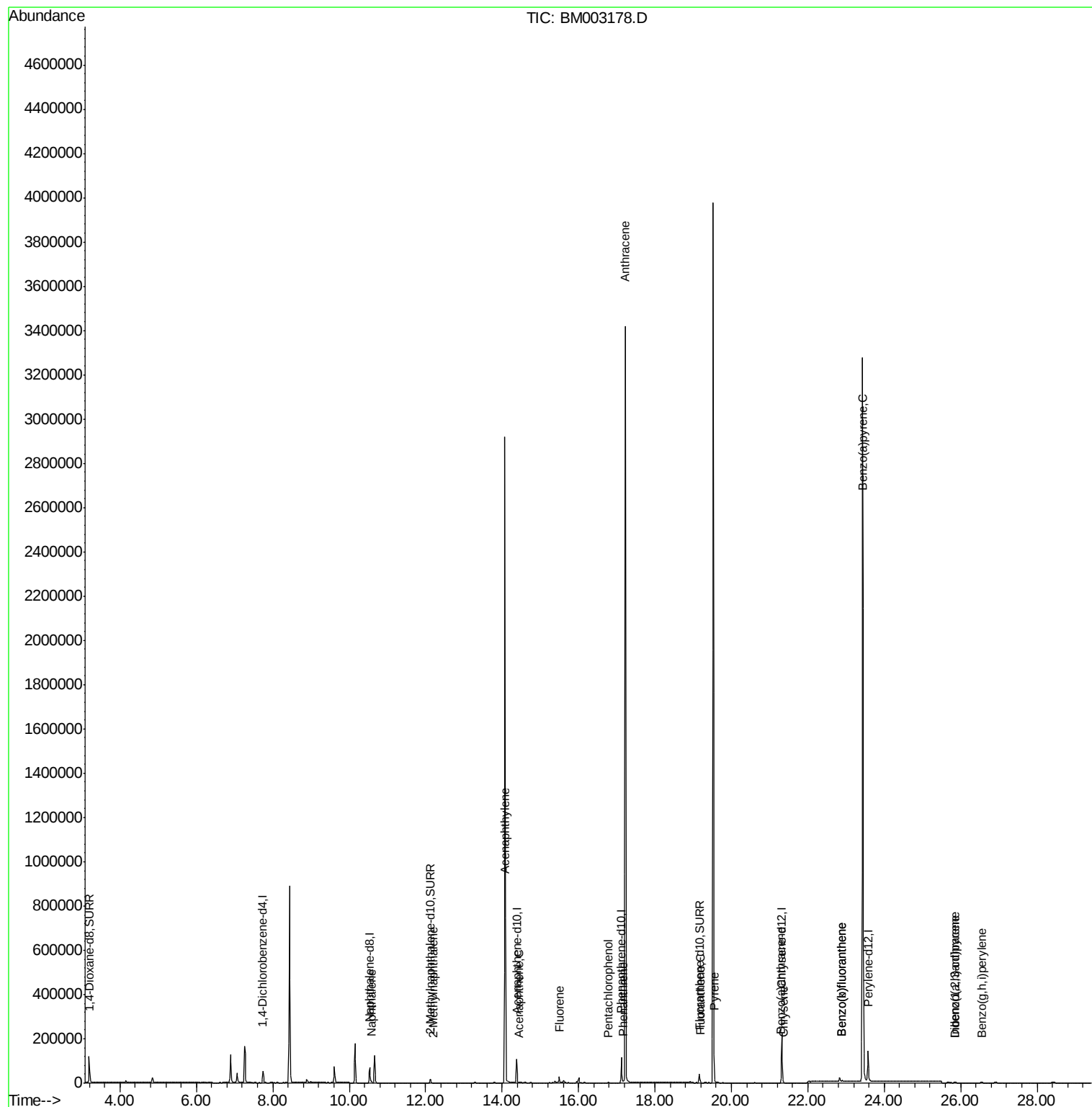
Target Compounds				Qvalue		
5) Naphthalene	10.58	128	12790	0.05	ng/ul	96
7) 2-Methylnaphthalene	12.19	142	352	0.00	ng/ul#	100
9) Acenaphthylene	14.09	152	969	0.00	ng/ul#	32
10) Acenaphthene	14.45	153	446	0.00	ng/ul#	78
11) Fluorene	15.49	166	407	0.00	ng/ul#	1
13) Pentachlorophenol	16.78	266	1547	0.05	ng/ul#	20
14) Phenanthrene	17.17	178	12543	0.03	ng/ul#	92
15) Anthracene	17.23	178	2820	0.01	ng/ul#	1
17) Fluoranthene	19.19	202	10997	0.02	ng/ul	91
19) Pyrene	19.55	202	16889	0.02	ng/ul#	90
20) Benzo(a)anthracene	21.30	228	5070	0.01	ng/ul#	90
21) Chrysene	21.35	228	5647	0.01	ng/ul#	91
23) Benzo(b)fluoranthene	22.90	252	10173	0.01	ng/ul#	31
24) Benzo(k)fluoranthene	22.90	252	10118	0.01	ng/ul#	35
25) Benzo(a)pyrene	23.43	252	20968	0.03	ng/ul#	68
26) Indeno(1,2,3-cd)pyrene	25.85	276	3811	0.00	ng/ul#	100
27) Dibenzo(a,h)anthracene	25.86	278	1149	0.00	ng/ul#	1
28) Benzo(g,h,i)perylene	26.55	276	3886	0.01	ng/ul#	71

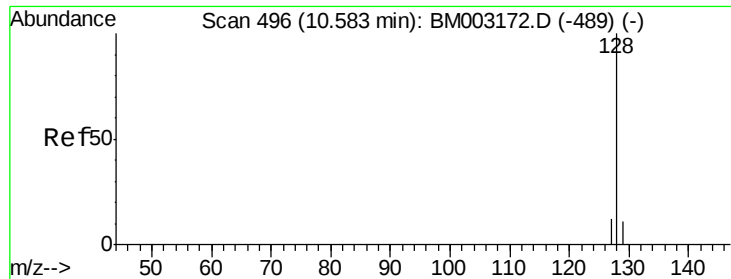
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Thu Nov 19 03:20:59 2015
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#5

Naphthalene

Concen: 0.05 ng/ul

RT: 10.58 min Scan# 496

Delta R.T. 0.00 min

Lab File: BM003178.D

Acq: 19 Nov 2015 02:00

Instrument :

BNA_M

ClientSampleId :

A4HT6

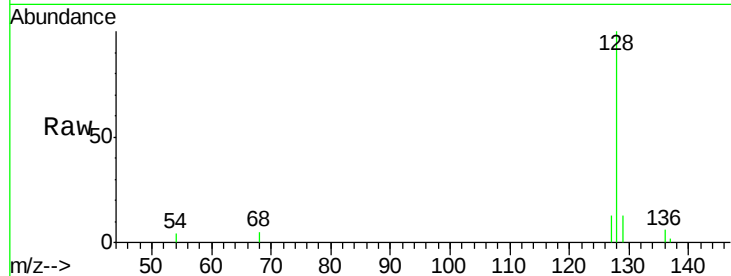
Tgt Ion:128 Resp: 12790

Ion Ratio Lower Upper

128 100

129 13.4 9.0 13.6

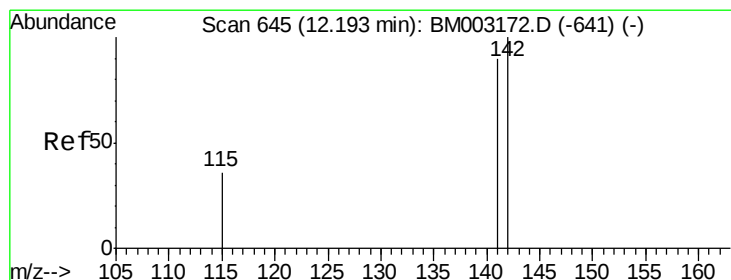
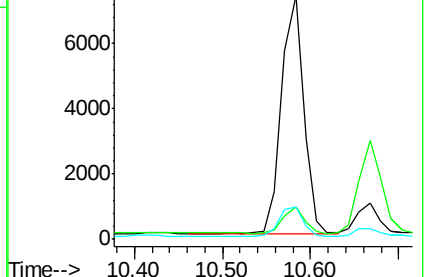
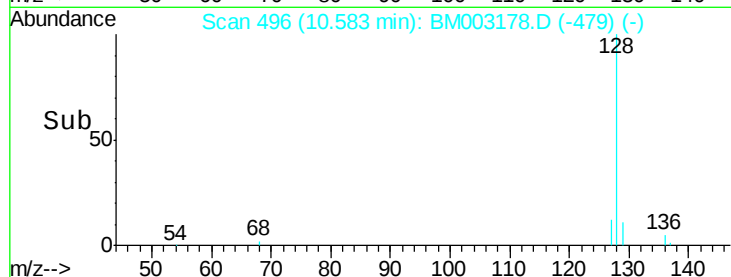
127 13.3 9.6 14.4



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: BM003178.D

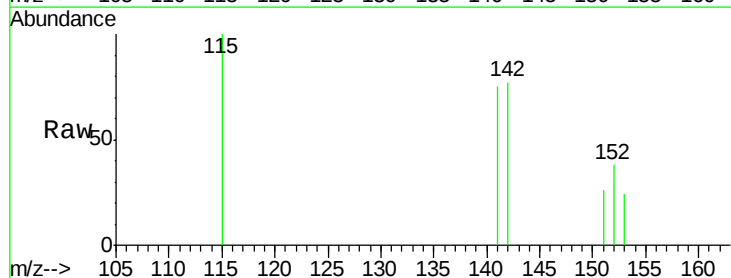
Acq: 19 Nov 2015 02:00

Tgt Ion:142 Resp: 352

Ion Ratio Lower Upper

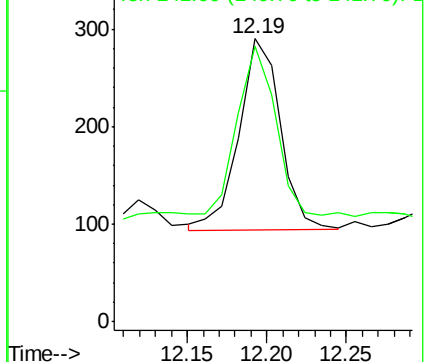
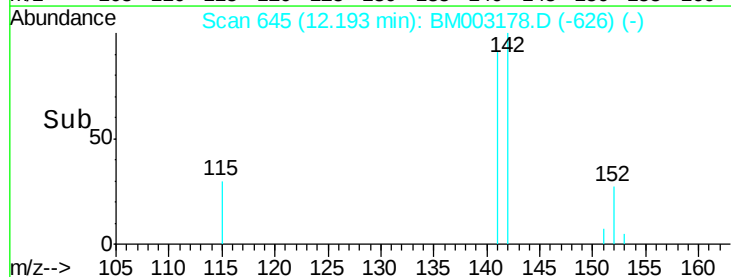
142 100

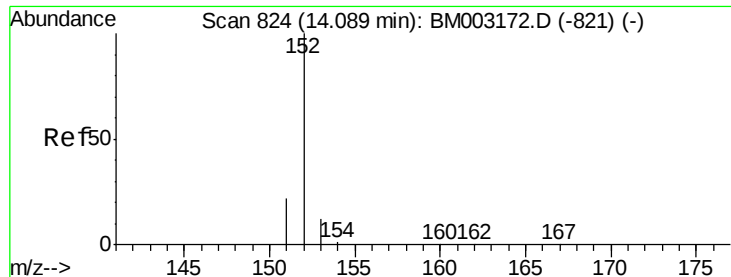
141 84.1 0.0 0.0#



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: BM003178.D

Acq: 19 Nov 2015 02:00

Instrument :

BNA_M

ClientSampleId :

A4HT6

Tgt Ion:152 Resp: 969

Ion Ratio Lower Upper

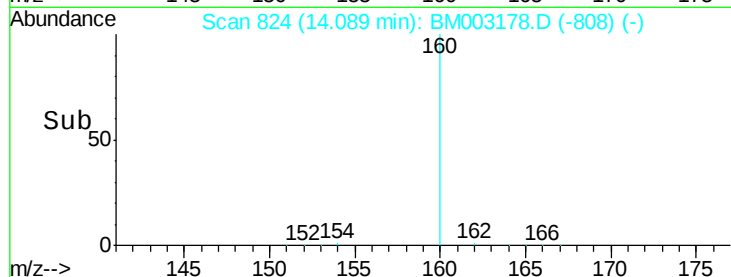
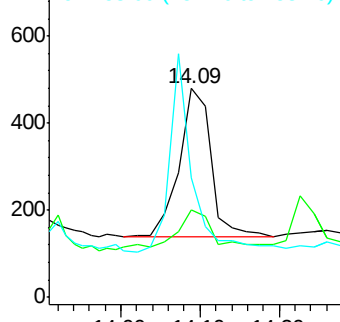
152 100

151 41.9 17.6 26.4#

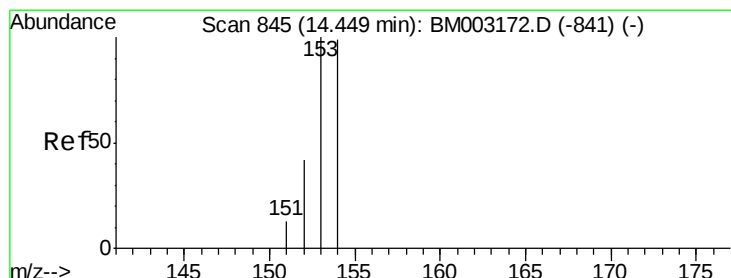
153 56.9 9.7 14.5#



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



Time-->



#10

Acenaphthene

Concen: 0.00 ng/ul

RT: 14.45 min Scan# 845

Delta R.T. 0.00 min

Lab File: BM003178.D

Acq: 19 Nov 2015 02:00

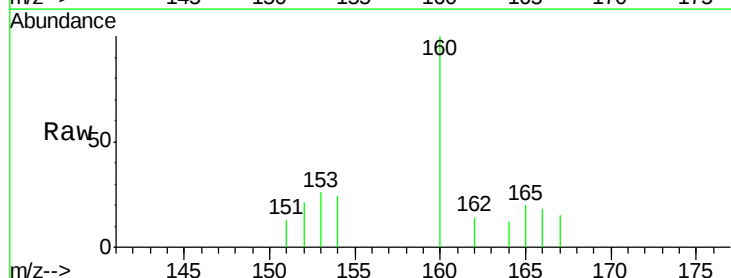
Tgt Ion:153 Resp: 446

Ion Ratio Lower Upper

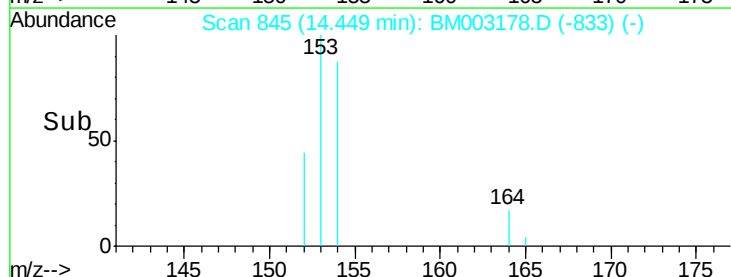
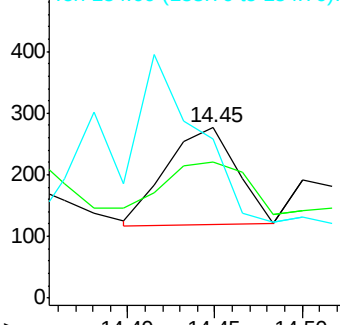
153 100

152 80.1 33.9 50.9#

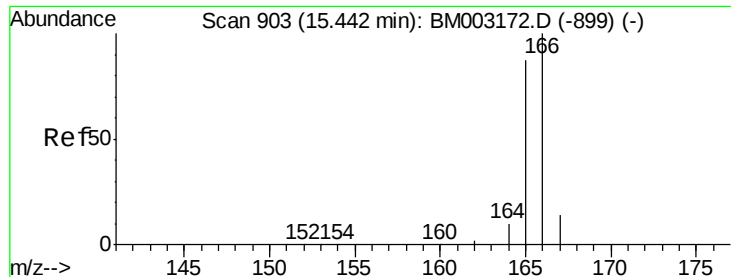
154 93.8 80.6 121.0



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



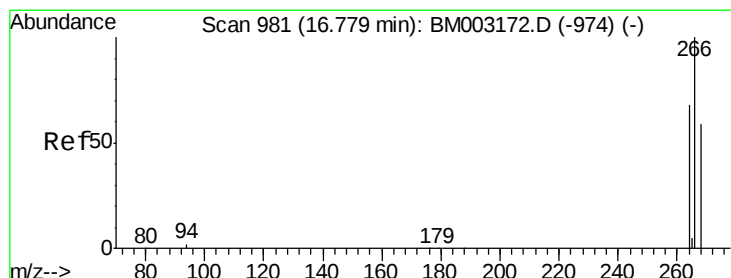
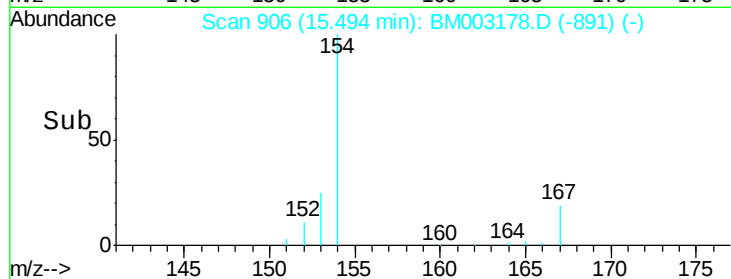
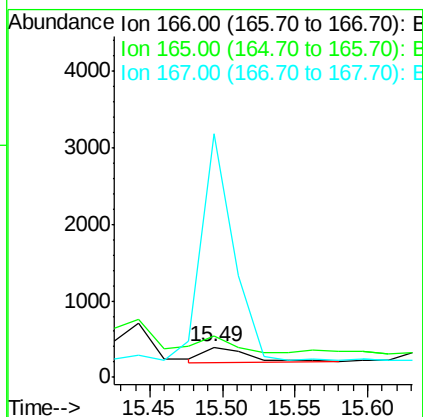
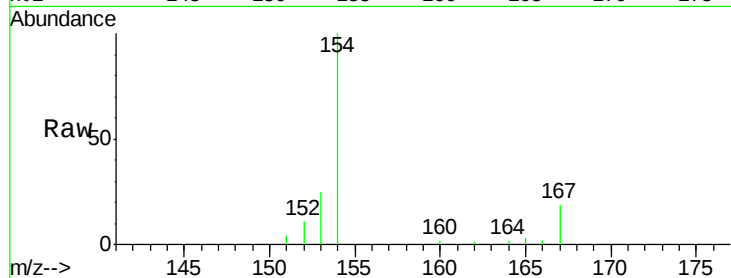
Time-->



#11
 Fluorene
 Concen: 0.00 ng/ul
 RT: 15.49 min Scan# 906
 Delta R.T. 0.05 min
 Lab File: BM003178.D
 Acq: 19 Nov 2015 02:00

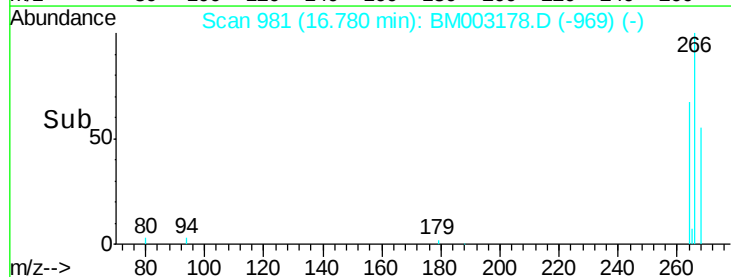
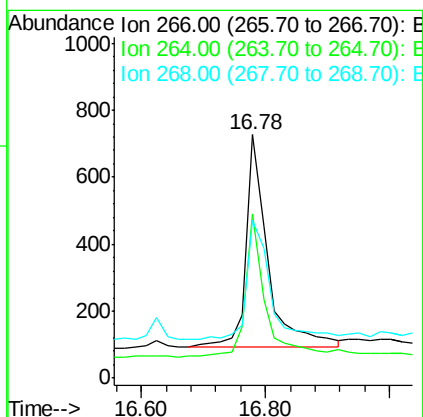
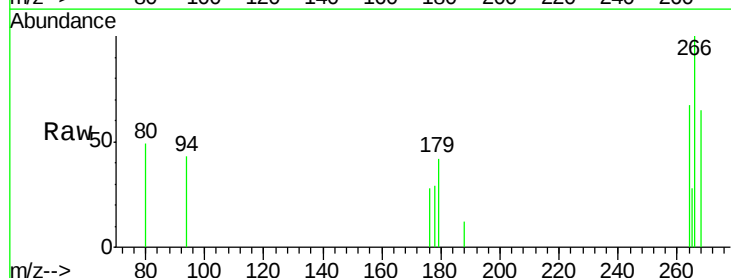
Instrument :
 BNA_M
 ClientSampleId :
 A4HT6

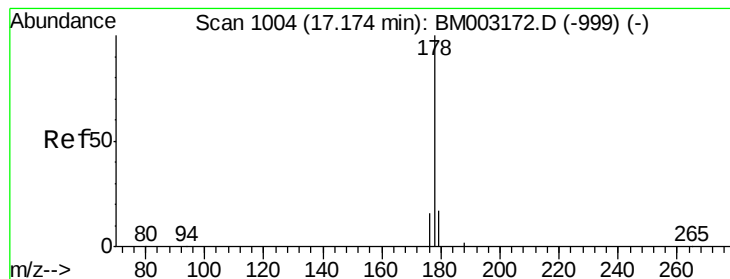
Tgt Ion:166 Resp: 407
 Ion Ratio Lower Upper
 166 100
 165 137.9 69.6 104.4#
 167 814.1 11.9 17.9#



#13
 Pentachlorophenol
 Concen: 0.05 ng/ul
 RT: 16.78 min Scan# 981
 Delta R.T. 0.00 min
 Lab File: BM003178.D
 Acq: 19 Nov 2015 02:00

Tgt Ion:266 Resp: 1547
 Ion Ratio Lower Upper
 266 100
 264 60.4 0.3 0.5#
 268 61.0 0.0 0.0#





#14

Phenanthrene

Concen: 0.03 ng/ul

RT: 17.17 min Scan# 1004

Delta R.T. 0.00 min

Lab File: BM003178.D

Acq: 19 Nov 2015 02:00

Instrument :

BNA_M

ClientSampleId :

A4HT6

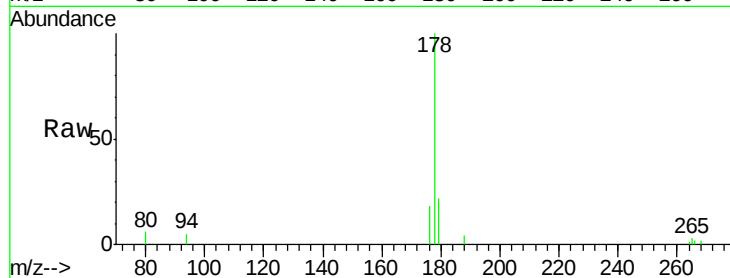
Tgt Ion:178 Resp: 12543

Ion Ratio Lower Upper

178 100

176 18.3 13.0 19.4

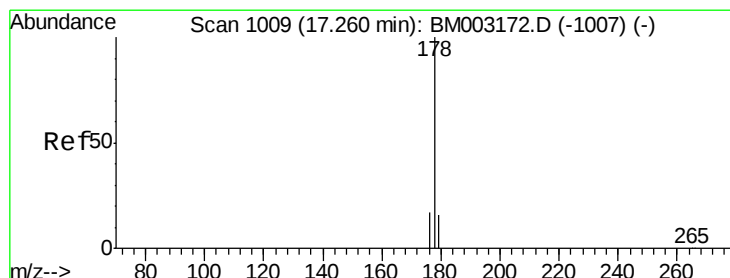
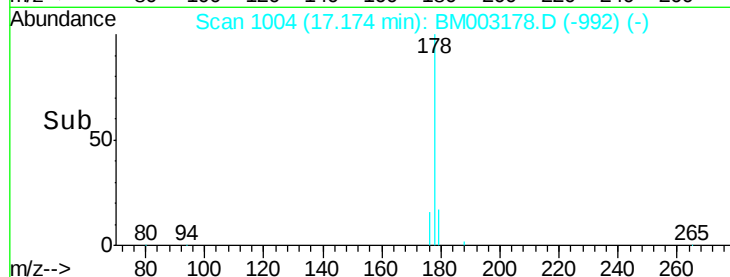
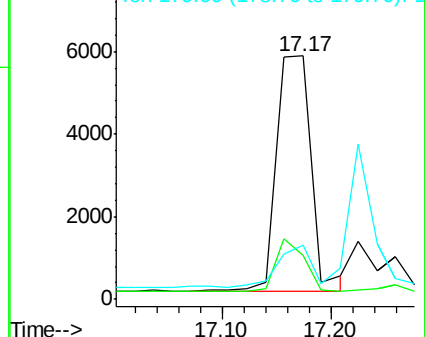
179 22.1 14.2 21.2#



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: 0.01 ng/ul

RT: 17.23 min Scan# 1007

Delta R.T. -0.03 min

Lab File: BM003178.D

Acq: 19 Nov 2015 02:00

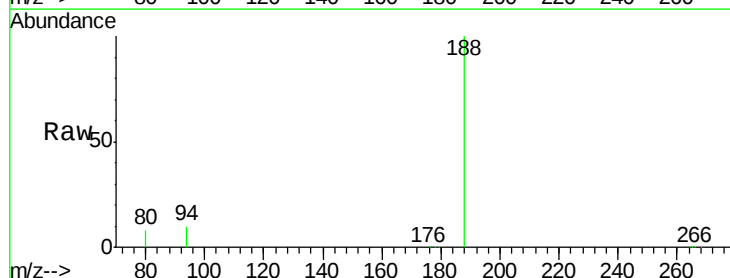
Tgt Ion:178 Resp: 2820

Ion Ratio Lower Upper

178 100

176 15.6 14.0 21.0

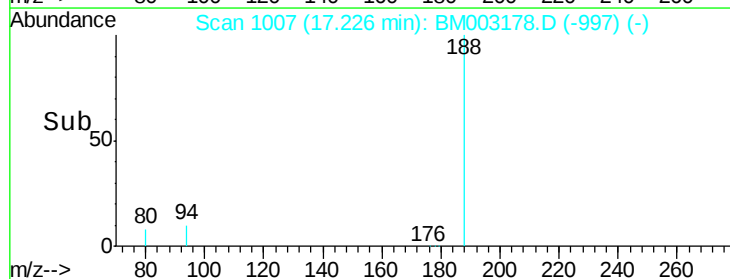
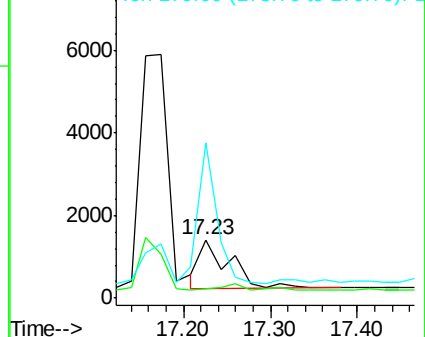
179 265.8 12.9 19.3#

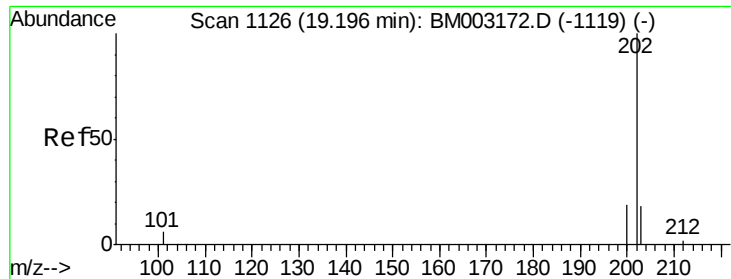


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#17

Fluoranthene

Concen: 0.02 ng/ul

RT: 19.19 min Scan# 1126

Delta R.T. -0.01 min

Lab File: BM003178.D

Acq: 19 Nov 2015 02:00

Instrument :

BNA_M

ClientSampleId :

A4HT6

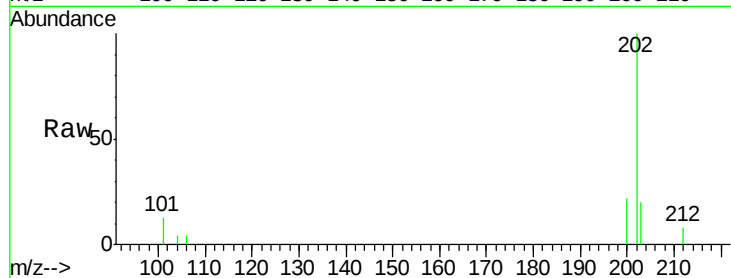
Tgt Ion:202 Resp: 10997

Ion Ratio Lower Upper

202 100

101 12.9 0.0 29.6

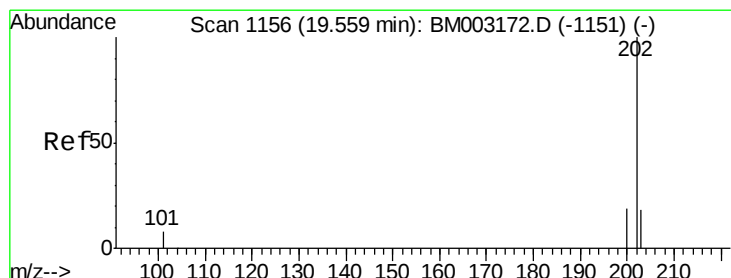
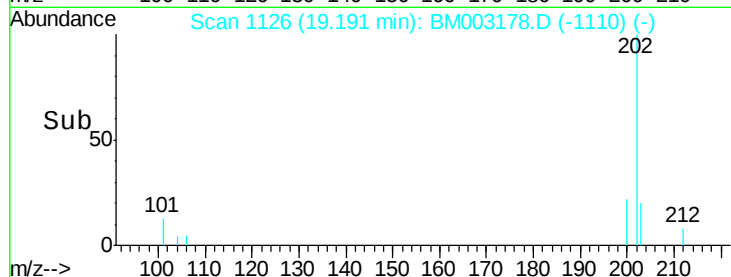
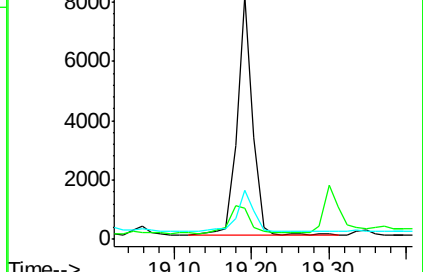
203 20.0 0.0 36.3



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: 0.02 ng/ul

RT: 19.55 min Scan# 1156

Delta R.T. -0.01 min

Lab File: BM003178.D

Acq: 19 Nov 2015 02:00

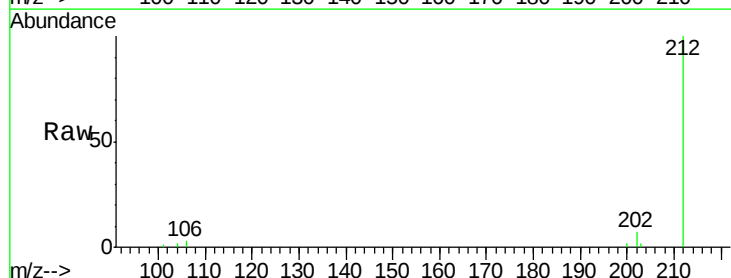
Tgt Ion:202 Resp: 16889

Ion Ratio Lower Upper

202 100

200 22.4 17.8 26.8

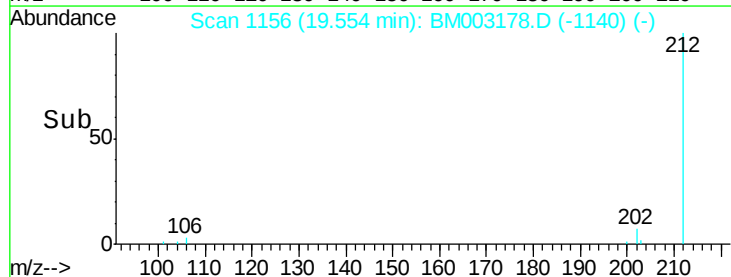
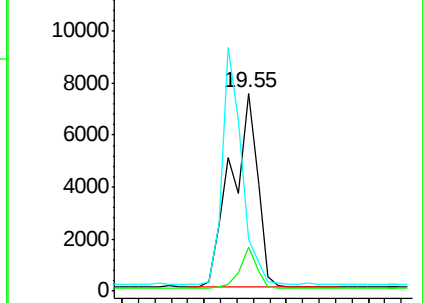
203 26.0 12.8 19.2#

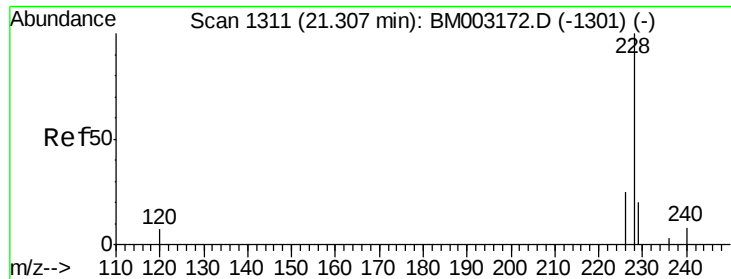


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#20

Benzo(a)anthracene

Concen: 0.01 ng/ul

RT: 21.30 min Scan# 1311

Delta R.T. -0.01 min

Lab File: BM003178.D

Acq: 19 Nov 2015 02:00

Instrument :

BNA_M

ClientSampleId :

A4HT6

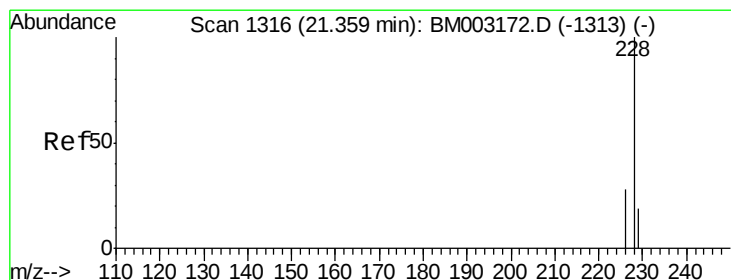
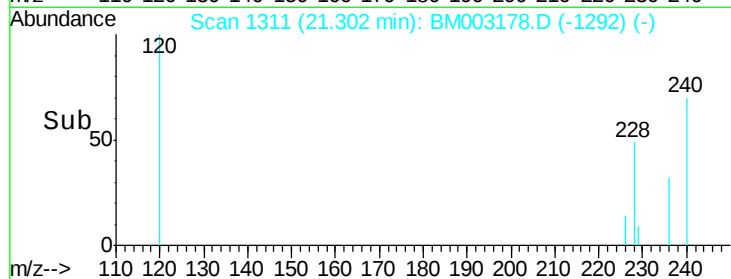
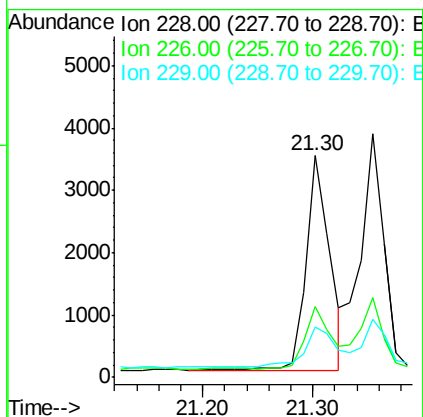
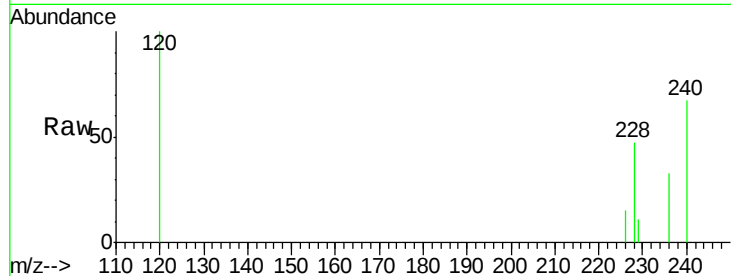
Tgt Ion:228 Resp: 5070

Ion Ratio Lower Upper

228 100

226 31.9 18.8 28.2#

229 22.5 17.1 25.7



#21

Chrysene

Concen: 0.01 ng/ul

RT: 21.35 min Scan# 1316

Delta R.T. -0.01 min

Lab File: BM003178.D

Acq: 19 Nov 2015 02:00

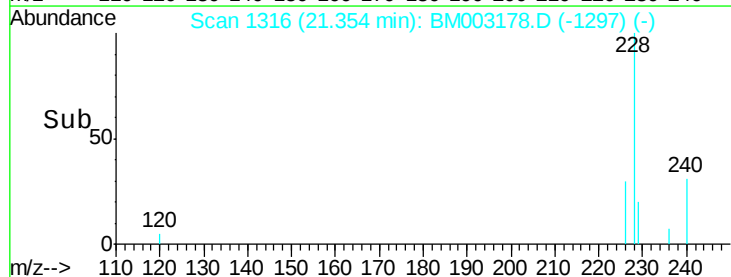
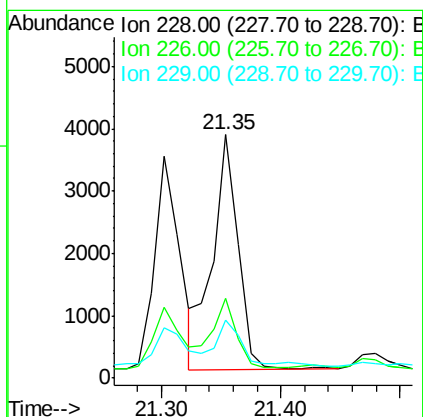
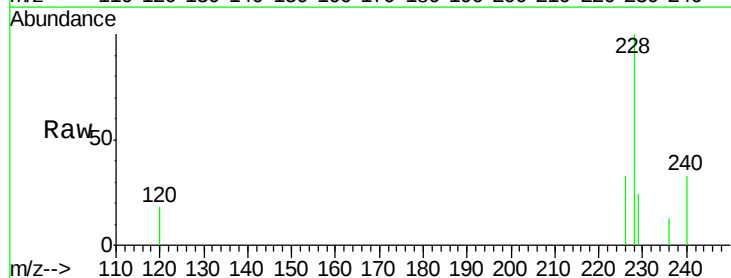
Tgt Ion:228 Resp: 5647

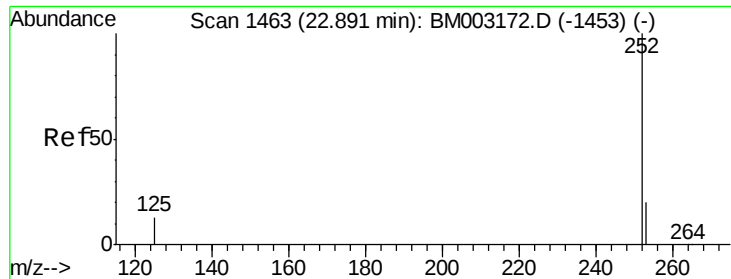
Ion Ratio Lower Upper

228 100

226 32.9 21.2 31.8#

229 24.0 17.0 25.6





#23

Benzo(b)fluoranthene

Concen: 0.01 ng/ul

RT: 22.90 min Scan# 1464

Delta R.T. 0.01 min

Lab File: BM003178.D

Acq: 19 Nov 2015 02:00

Instrument :

BNA_M

ClientSampleId :

A4HT6

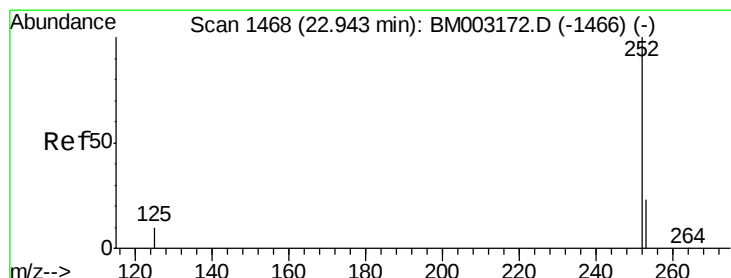
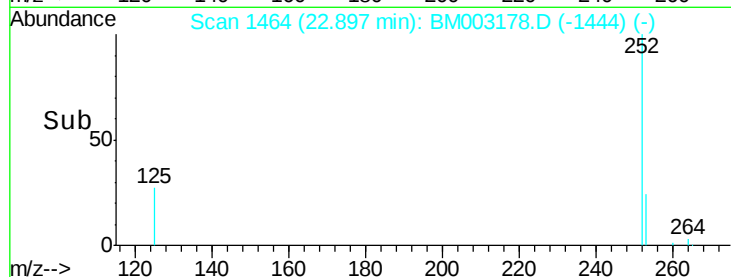
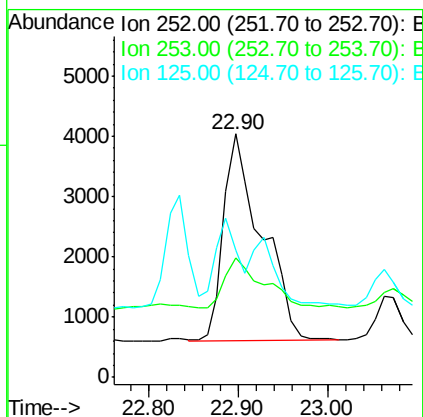
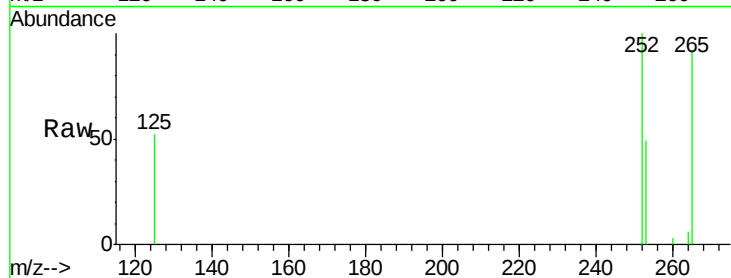
Tgt Ion:252 Resp: 10173

Ion Ratio Lower Upper

252 100

253 48.8 0.0 45.4#

125 52.3 0.0 28.8#



#24

Benzo(k)fluoranthene

Concen: 0.01 ng/ul

RT: 22.90 min Scan# 1464

Delta R.T. -0.05 min

Lab File: BM003178.D

Acq: 19 Nov 2015 02:00

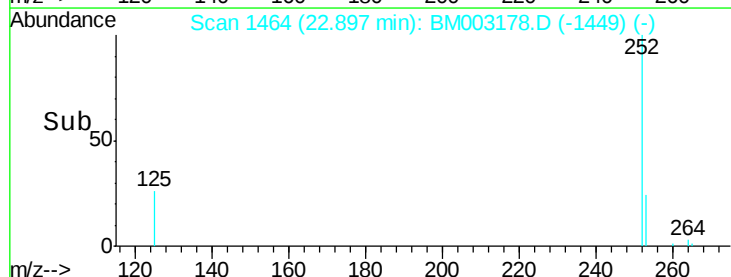
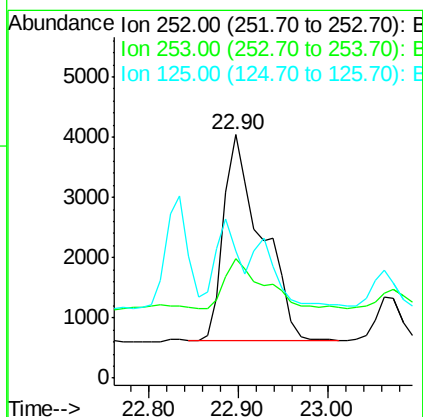
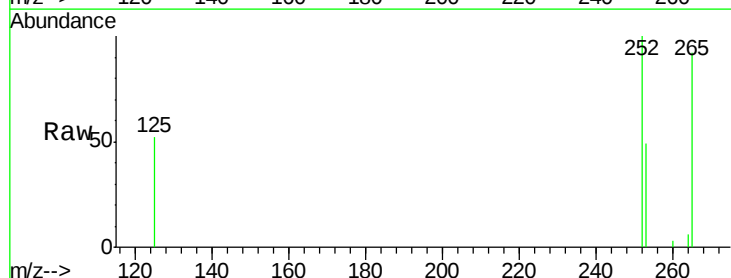
Tgt Ion:252 Resp: 10118

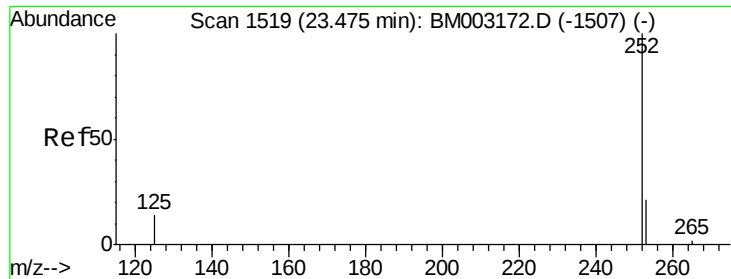
Ion Ratio Lower Upper

252 100

253 48.8 19.8 29.8#

125 52.3 10.4 15.6#





#25

Benzo(a)pyrene

Concen: 0.03 ng/u1

RT: 23.43 min Scan# 1515

Delta R.T. -0.05 min

Lab File: BM003178.D

Acq: 19 Nov 2015 02:00

Instrument :

BNA_M

ClientSampleId :

A4HT6

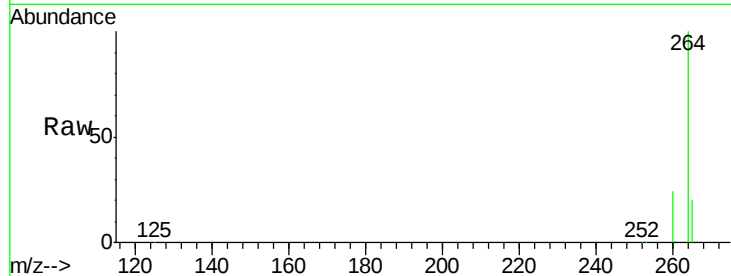
Tgt Ion:252 Resp: 20968

Ion Ratio Lower Upper

252 100

253 36.6 19.4 29.2#

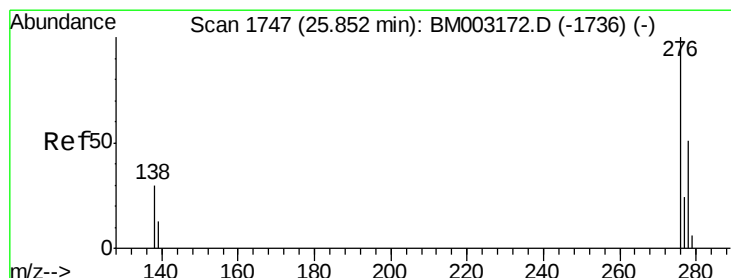
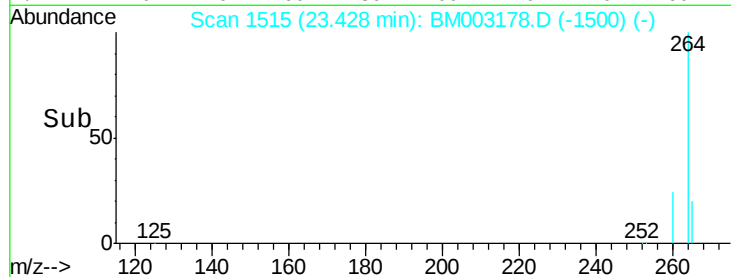
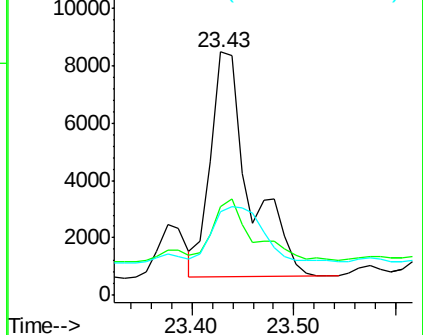
125 34.4 12.7 19.1#



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: 25.85 min Scan# 1747

Delta R.T. -0.01 min

Lab File: BM003178.D

Acq: 19 Nov 2015 02:00

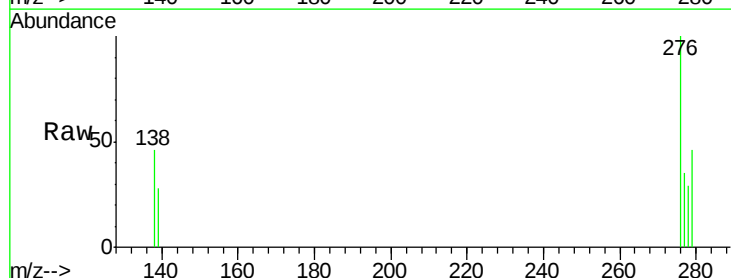
Tgt Ion:276 Resp: 3811

Ion Ratio Lower Upper

276 100

138 37.3 0.0 0.0#

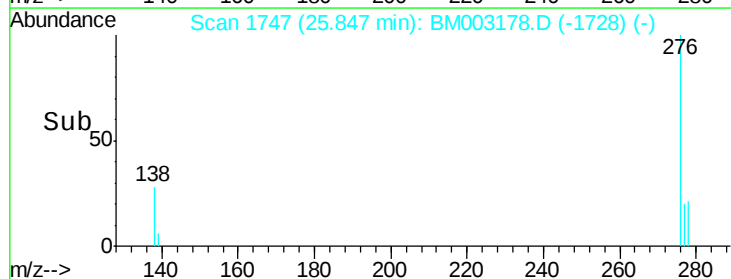
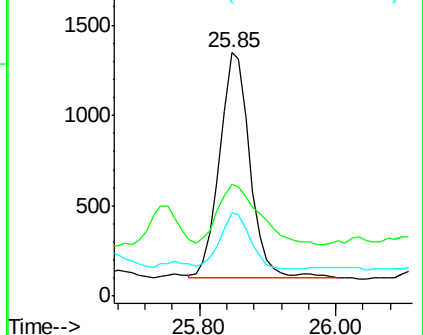
277 24.4 0.0 0.0#

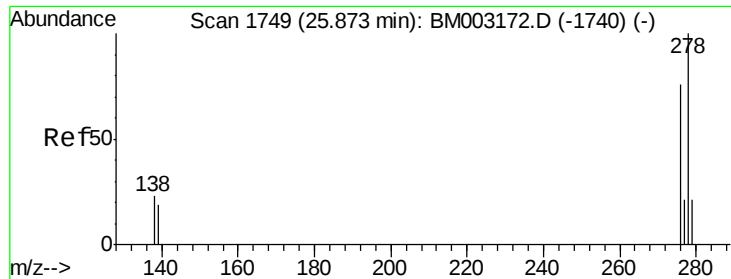


Abundance Ion 276.00 (275.70 to 276.70): E

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: 25.86 min Scan# 1748

Delta R.T. -0.02 min

Lab File: BM003178.D

Acq: 19 Nov 2015 02:00

Instrument :

BNA_M

ClientSampleId :

A4HT6

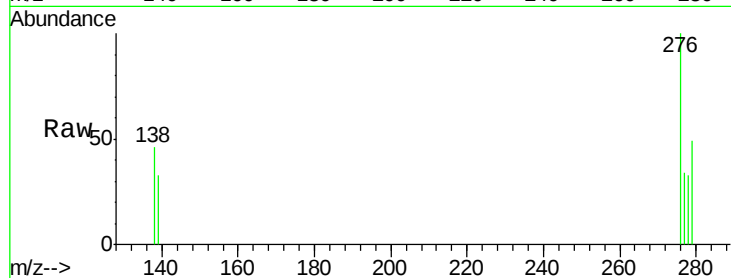
Tgt Ion:278 Resp: 1149

Ion Ratio Lower Upper

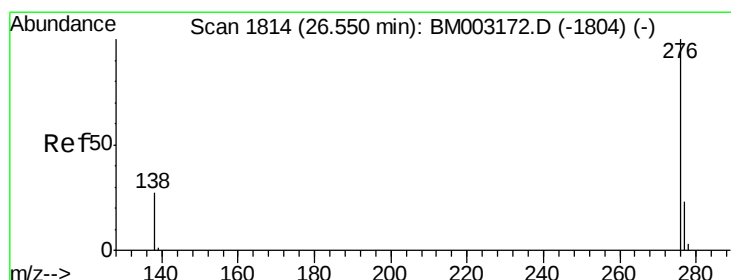
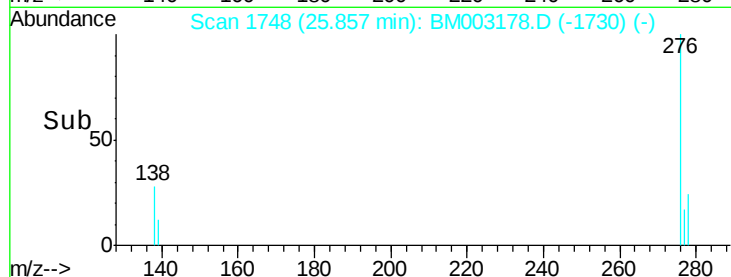
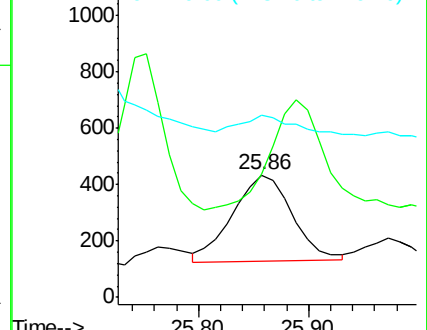
278 100

139 100.9 16.4 24.6#

279 148.8 20.2 30.2#



Abundance Ion 278.00 (277.70 to 278.70): E
Ion 139.00 (138.70 to 139.70): E
Ion 279.00 (278.70 to 279.70): E



#28

Benzo(g,h,i)perylene

Concen: 0.01 ng/ul

RT: 26.55 min Scan# 1814

Delta R.T. -0.01 min

Lab File: BM003178.D

Acq: 19 Nov 2015 02:00

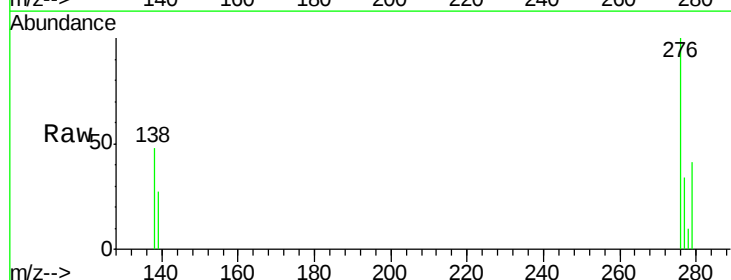
Tgt Ion:276 Resp: 3886

Ion Ratio Lower Upper

276 100

277 33.6 18.9 28.3#

138 47.5 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

