

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM112015\
 Data File : BM003235.D
 Acq On : 20 Nov 2015 23:32
 Operator : UM/IZ
 Sample : G4322-10RX
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 A4HS1

Quant Time: Nov 21 04:28:17 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 04:24:04 2015
 Response via : Initial Calibration

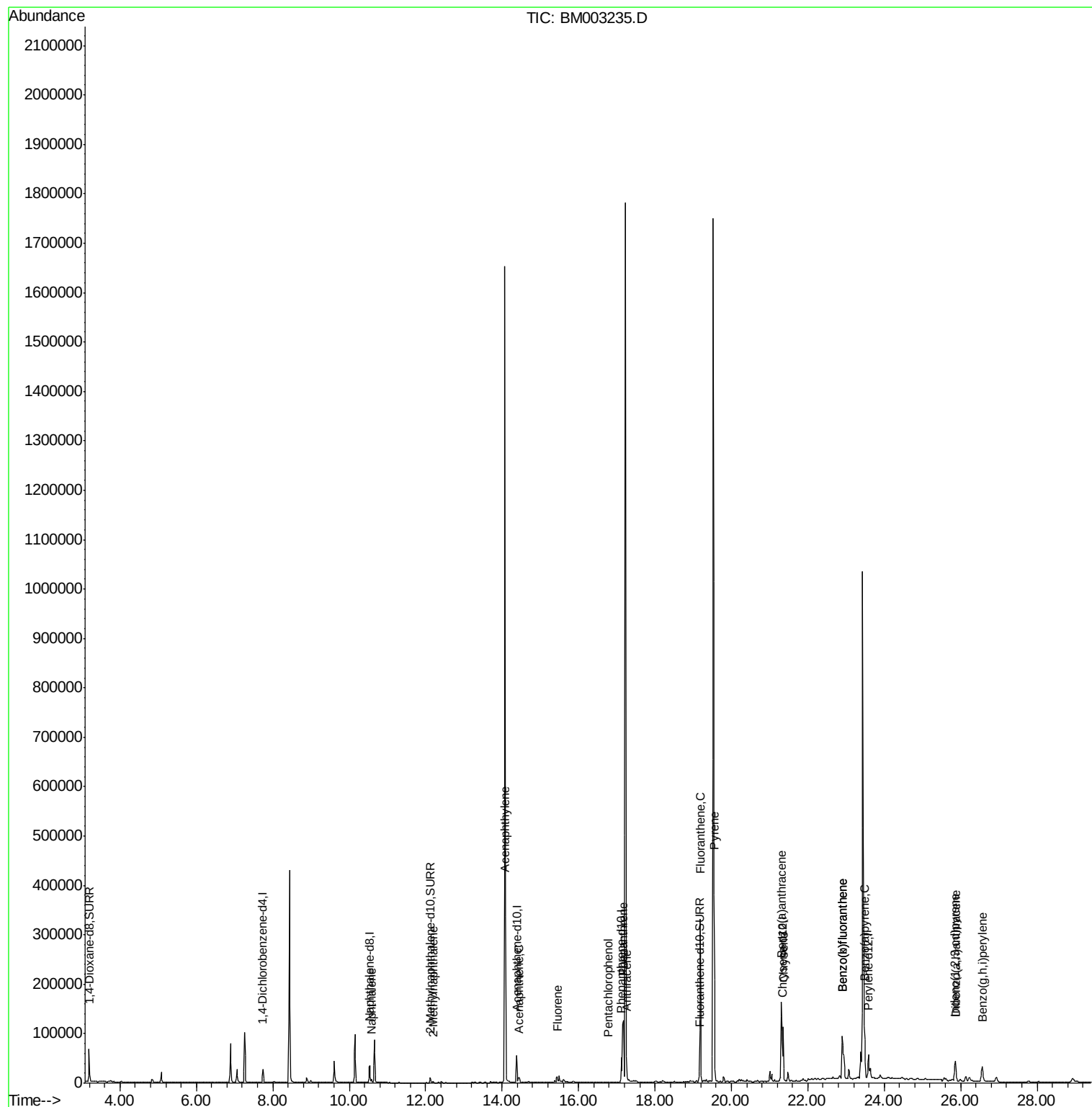
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.74	152	13537	0.40	ng/ul	0.00
4) Naphthalene-d8	10.53	136	53481	0.40	ng/ul	0.00
8) Acenaphthene-d10	14.38	164	30305	0.40	ng/ul	0.00
12) Phenanthrene-d10	17.12	188	64539	0.40	ng/ul	0.00
18) Chrysene-d12	21.33	240	64760	0.40	ng/ul	0.00
22) Perylene-d12	23.58	264	64626	0.40	ng/ul	0.00
System Monitoring Compounds						
2) 1,4-Dioxane-d8	3.20	96	46976	3.25	ng/uL	0.00
6) 2-Methylnaphthalene-d10	12.12	152	12770	0.18	ng/ul	0.00
16) Fluoranthene-d10	19.17	212	21073	0.13	ng/ul	0.00
Target Compounds				Qvalue		
5) Naphthalene	10.57	128	10468	0.08	ng/ul#	94
7) 2-Methylnaphthalene	12.19	142	2350	0.03	ng/ul#	100
9) Acenaphthylene	14.09	152	10570	0.08	ng/ul#	94
10) Acenaphthene	14.43	153	7637	0.07	ng/ul#	75
11) Fluorene	15.44	166	15539	0.13	ng/ul	99
13) Pentachlorophenol	16.78	266	1063	0.07	ng/ul	98
14) Phenanthrene	17.17	178	191693	1.02	ng/ul	100
15) Anthracene	17.26	178	52730	0.34	ng/ul	99
17) Fluoranthene	19.19	202	297065	1.43	ng/ul	99
19) Pyrene	19.55	202	295439	1.33	ng/ul	99
20) Benzo(a)anthracene	21.31	228	151987	0.81	ng/ul	96
21) Chrysene	21.36	228	117779	0.56	ng/ul	96
23) Benzo(b)fluoranthene	22.91	252	201493	0.82	ng/ul	97
24) Benzo(k)fluoranthene	22.91	252	201493	0.87	ng/ul	97
25) Benzo(a)pyrene	23.48	252	124339	0.57	ng/ul	100
26) Indeno(1,2,3-cd)pyrene	25.86	276	67989	0.26	ng/ul#	95
27) Dibenzo(a,h)anthracene	25.87	278	16580	0.08	ng/ul#	78
28) Benzo(g,h,i)perylene	26.57	276	66130	0.29	ng/ul	98

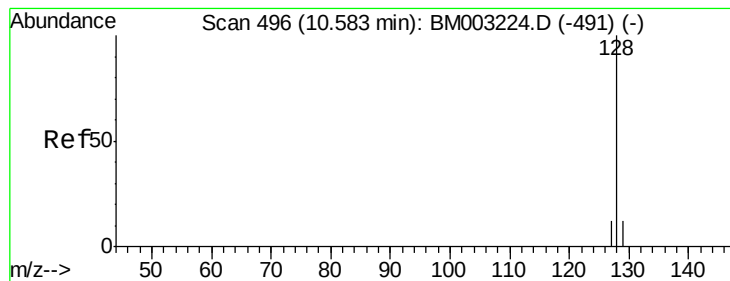
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#5

Naphthalene

Concen: 0.08 ng/ul

RT: 10.57 min Scan# 495

Delta R.T. -0.01 min

Lab File: BM003235.D

Acq: 20 Nov 2015 23:32

Instrument :

BNA_M

ClientSampleId :

A4HS1

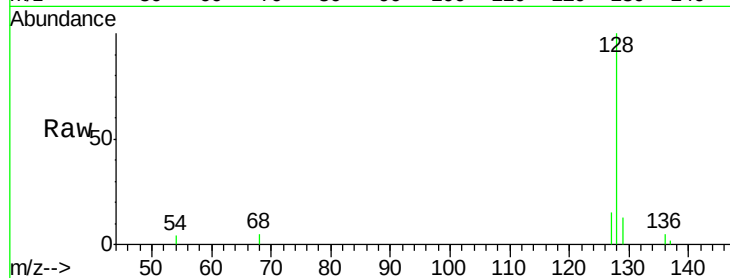
Tgt Ion:128 Resp: 10468

Ion Ratio Lower Upper

128 100

129 12.9 9.0 13.6

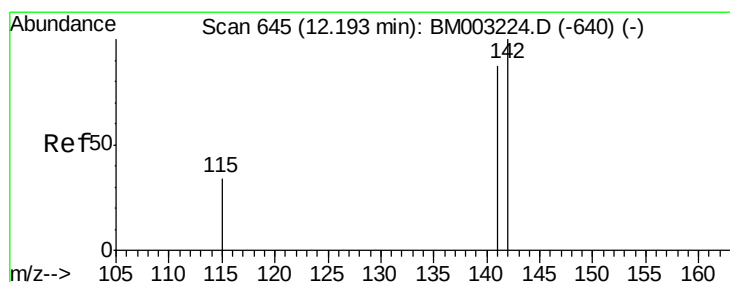
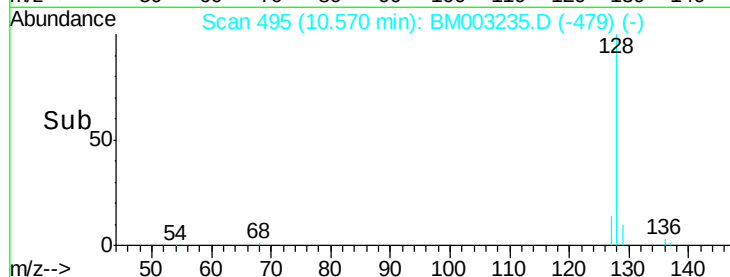
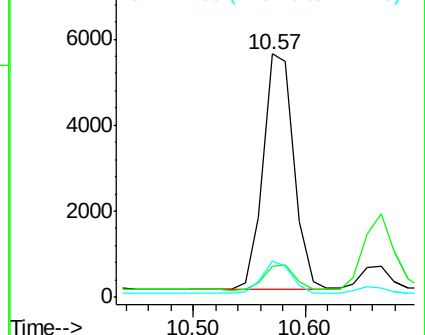
127 15.0 9.6 14.4#



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: 0.03 ng/ul

RT: 12.19 min Scan# 645

Delta R.T. -0.00 min

Lab File: BM003235.D

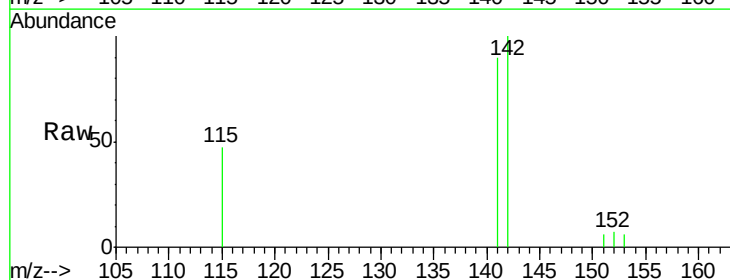
Acq: 20 Nov 2015 23:32

Tgt Ion:142 Resp: 2350

Ion Ratio Lower Upper

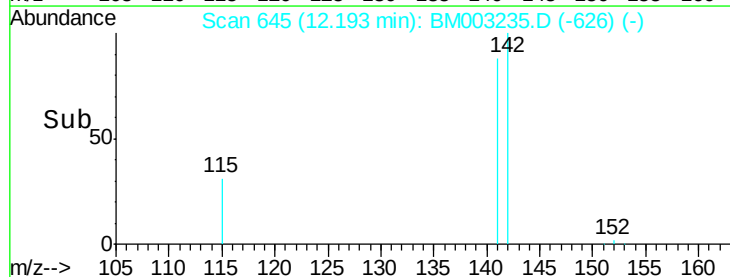
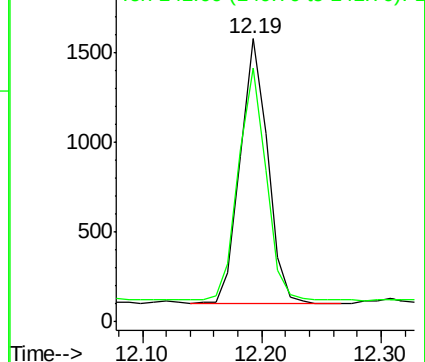
142 100

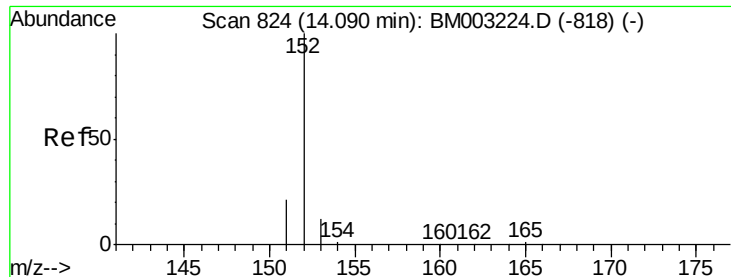
141 88.5 0.0 0.0#



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#9

Acenaphthylene

Concen: 0.08 ng/ul

RT: 14.09 min Scan# 824

Delta R.T. -0.00 min

Lab File: BM003235.D

Acq: 20 Nov 2015 23:32

Instrument :

BNA_M

ClientSampleId :

A4HS1

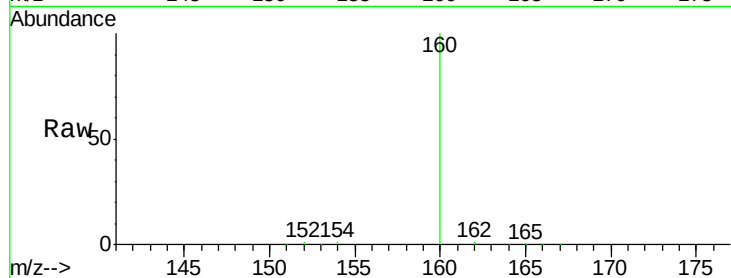
Tgt Ion:152 Resp: 10570

Ion Ratio Lower Upper

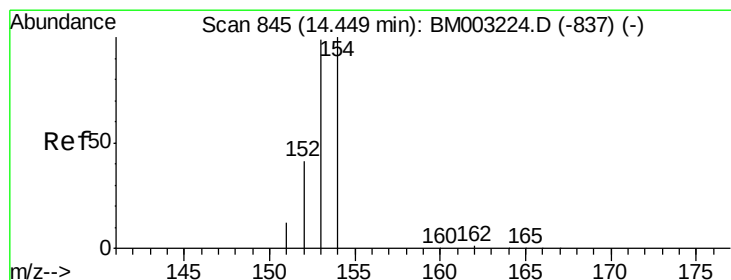
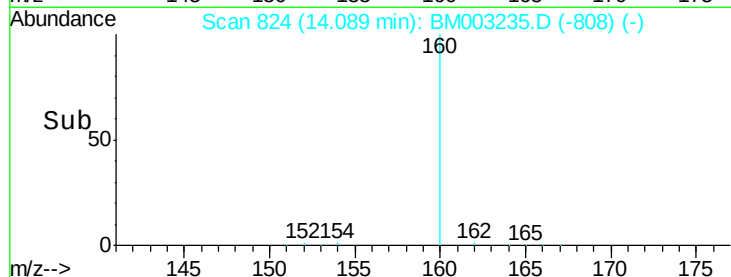
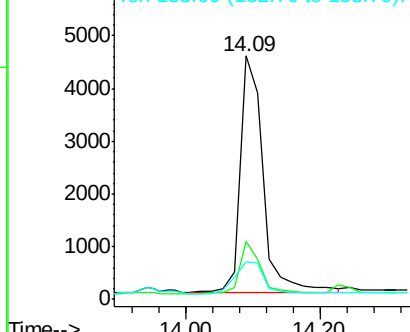
152 100

151 23.9 17.6 26.4

153 15.6 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: 0.07 ng/ul

RT: 14.43 min Scan# 844

Delta R.T. -0.02 min

Lab File: BM003235.D

Acq: 20 Nov 2015 23:32

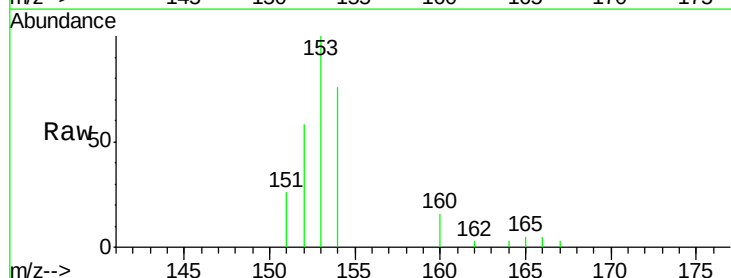
Tgt Ion:153 Resp: 7637

Ion Ratio Lower Upper

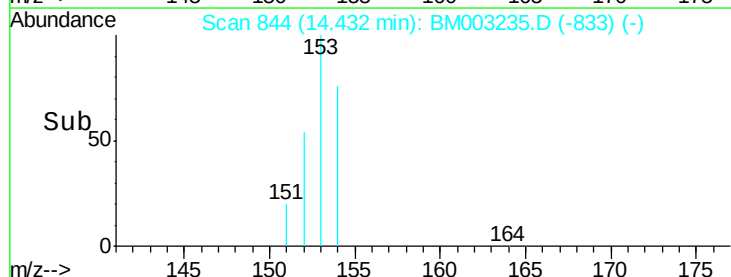
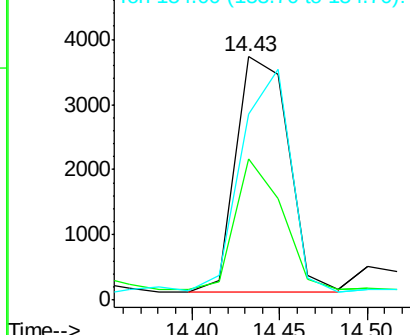
153 100

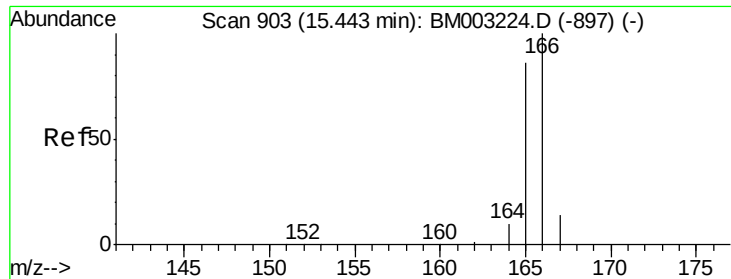
152 58.2 33.9 50.9#

154 76.2 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

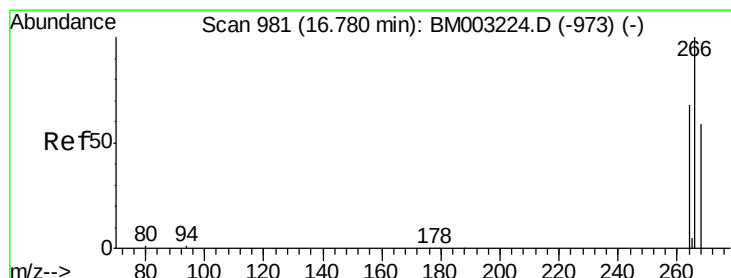
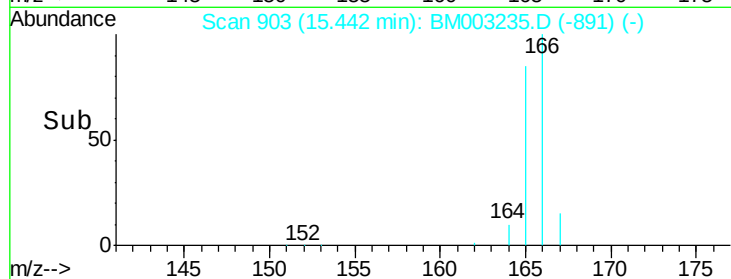
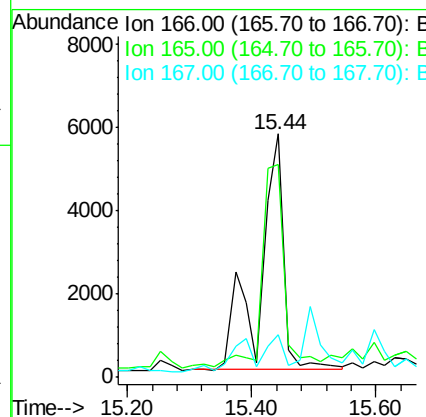
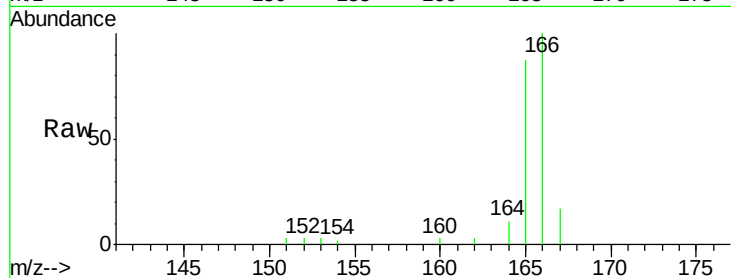




#11
 Fluorene
 Concen: 0.13 ng/ul
 RT: 15.44 min Scan# 903
 Delta R.T. -0.00 min
 Lab File: BM003235.D
 Acq: 20 Nov 2015 23:32

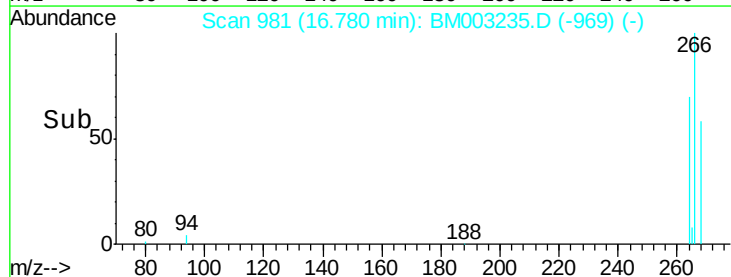
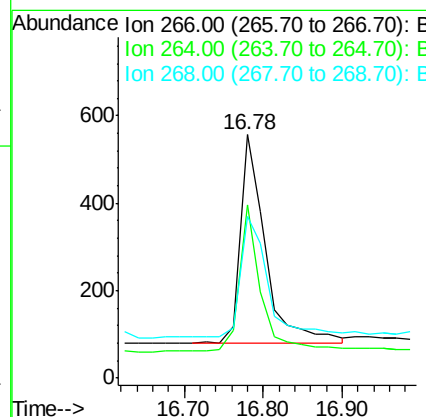
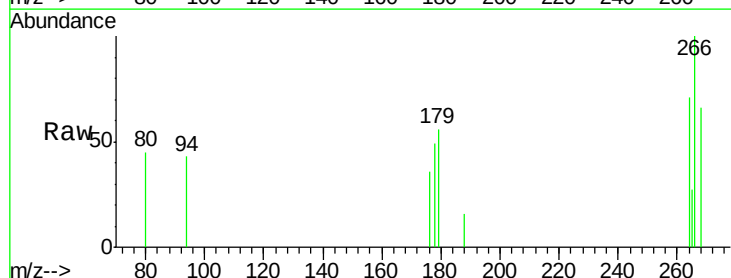
Instrument :
 BNA_M
 ClientSampleId :
 A4HS1

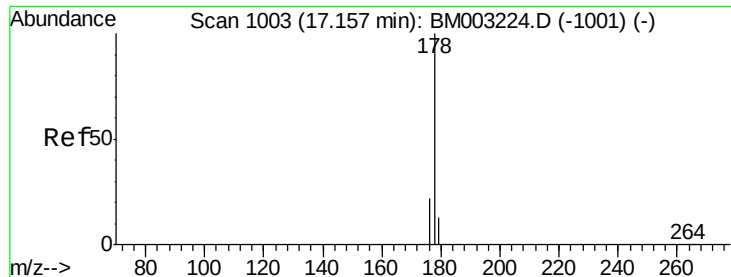
Tgt Ion:166 Resp: 15539
 Ion Ratio Lower Upper
 166 100
 165 87.3 69.6 104.4
 167 17.5 11.9 17.9



#13
 Pentachlorophenol
 Concen: 0.07 ng/ul
 RT: 16.78 min Scan# 981
 Delta R.T. -0.00 min
 Lab File: BM003235.D
 Acq: 20 Nov 2015 23:32

Tgt Ion:266 Resp: 1063
 Ion Ratio Lower Upper
 266 100
 264 64.9 51.8 77.8
 268 62.3 46.8 70.2

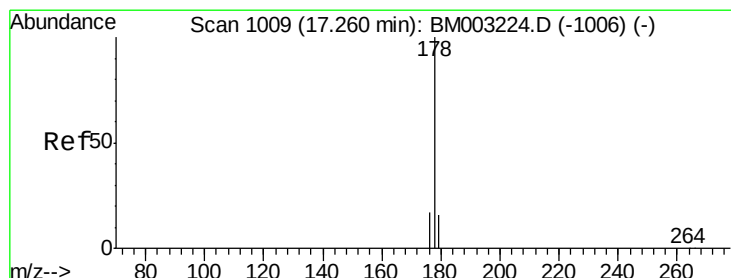
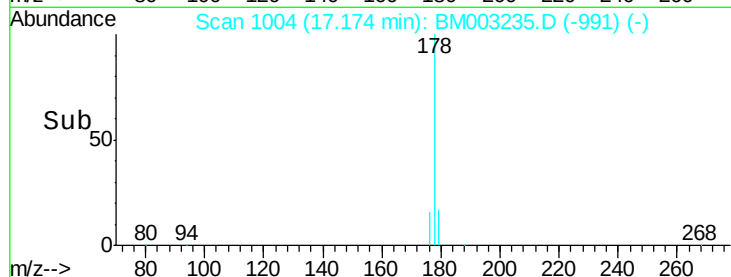
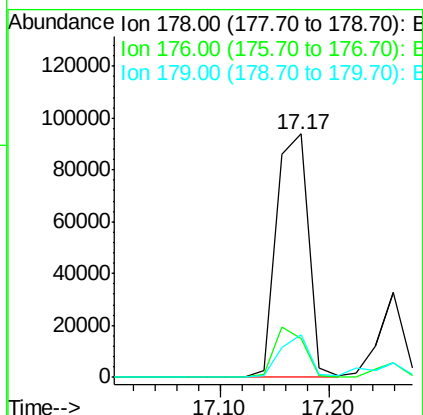
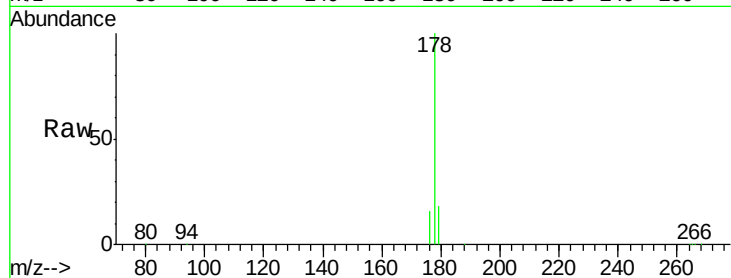




#14
Phenanthrene
Concen: 1.02 ng/ul
RT: 17.17 min Scan# 1004
Delta R.T. 0.02 min
Lab File: BM003235.D
Acq: 20 Nov 2015 23:32

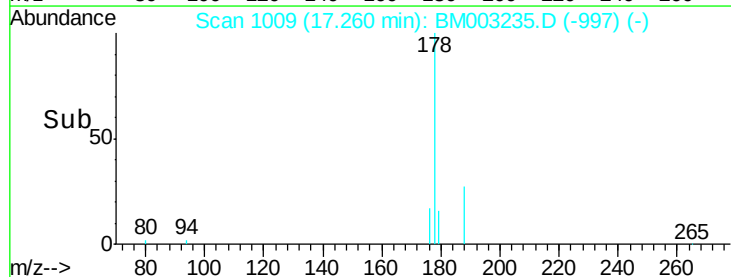
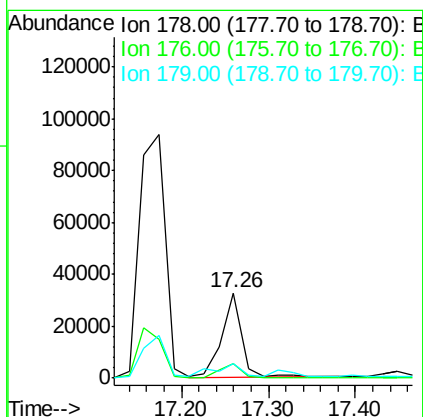
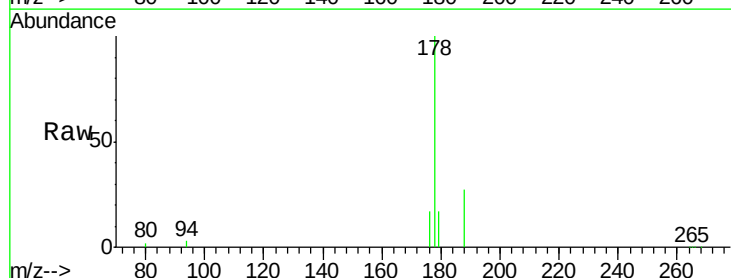
Instrument :
BNA_M
ClientSampleId :
A4HS1

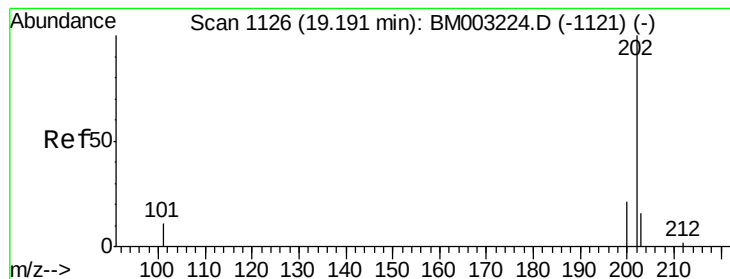
Tgt Ion:178 Resp: 191693
Ion Ratio Lower Upper
178 100
176 16.0 13.0 19.4
179 17.6 14.2 21.2



#15
Anthracene
Concen: 0.34 ng/ul
RT: 17.26 min Scan# 1009
Delta R.T. -0.00 min
Lab File: BM003235.D
Acq: 20 Nov 2015 23:32

Tgt Ion:178 Resp: 52730
Ion Ratio Lower Upper
178 100
176 17.3 14.0 21.0
179 16.9 12.9 19.3





#17

Fluoranthene

Concen: 1.43 ng/ul

RT: 19.19 min Scan# 1126

Delta R.T. -0.00 min

Lab File: BM003235.D

Acq: 20 Nov 2015 23:32

Instrument :

BNA_M

ClientSampleId :

A4HS1

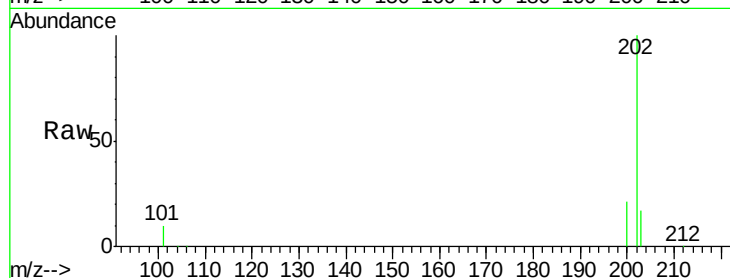
Tgt Ion:202 Resp: 297065

Ion Ratio Lower Upper

202 100

101 10.0 0.0 29.6

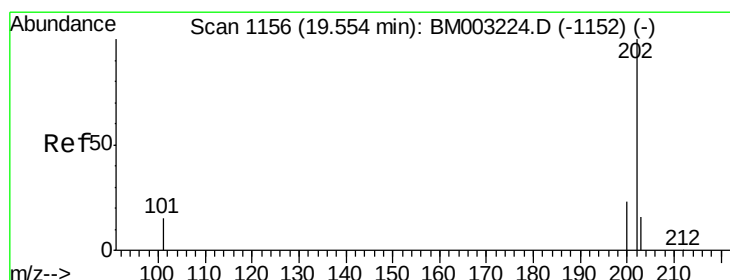
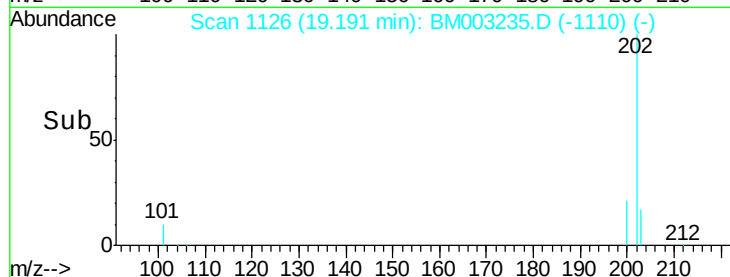
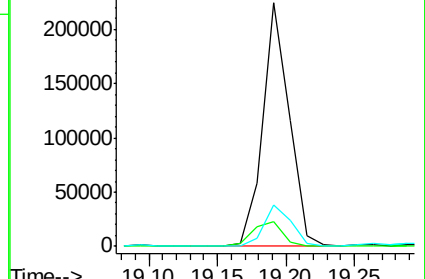
203 16.8 0.0 36.3



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: 1.33 ng/ul

RT: 19.55 min Scan# 1156

Delta R.T. -0.00 min

Lab File: BM003235.D

Acq: 20 Nov 2015 23:32

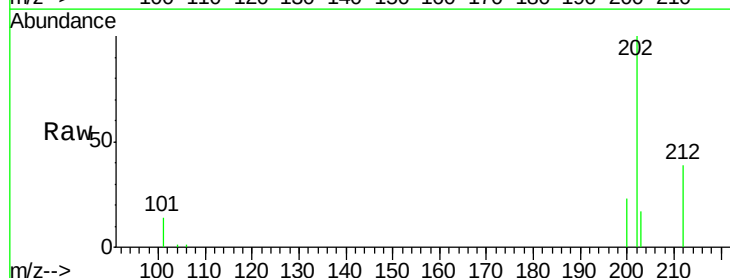
Tgt Ion:202 Resp: 295439

Ion Ratio Lower Upper

202 100

200 23.0 17.8 26.8

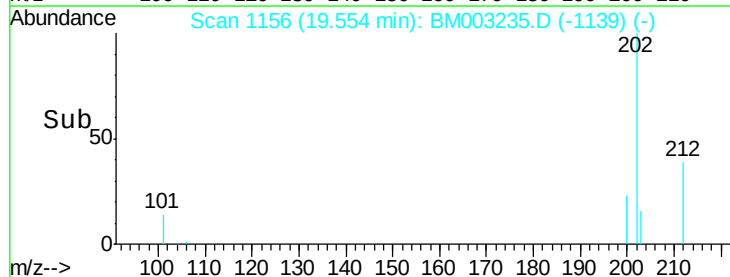
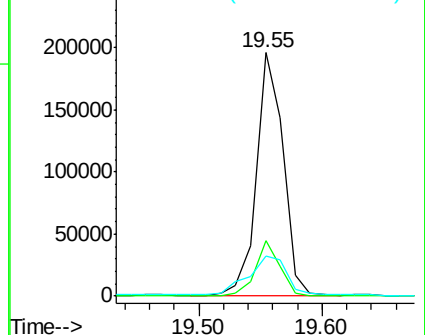
203 16.6 12.8 19.2

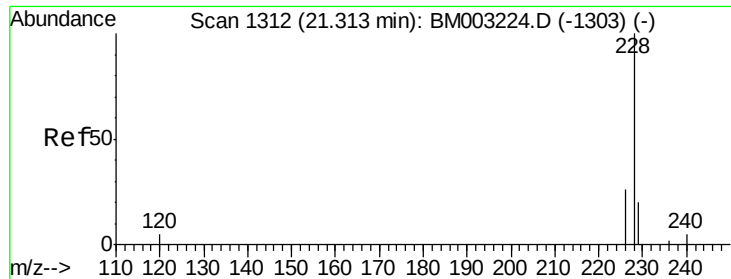


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#20

Benzo(a)anthracene

Concen: 0.81 ng/ul

RT: 21.31 min Scan# 1312

Delta R.T. -0.00 min

Lab File: BM003235.D

Acq: 20 Nov 2015 23:32

Instrument :

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A4HS1

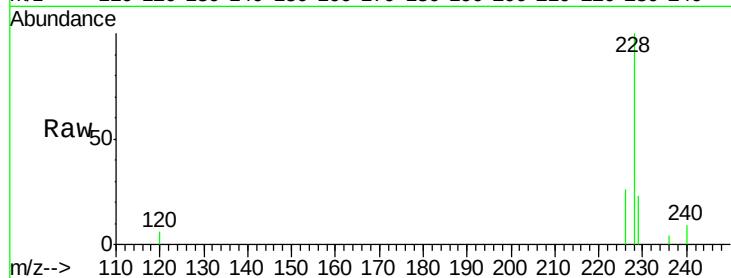
Tgt Ion:228 Resp: 151987

Ion Ratio Lower Upper

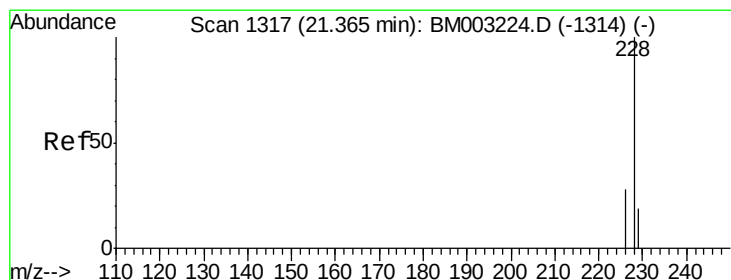
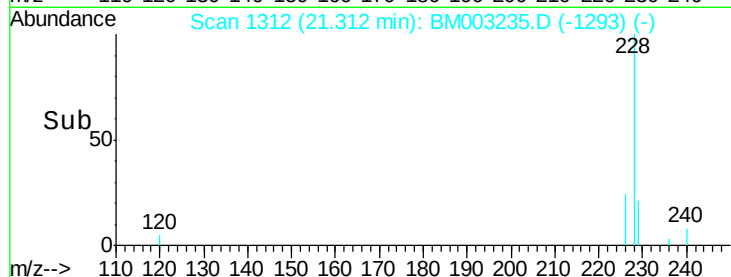
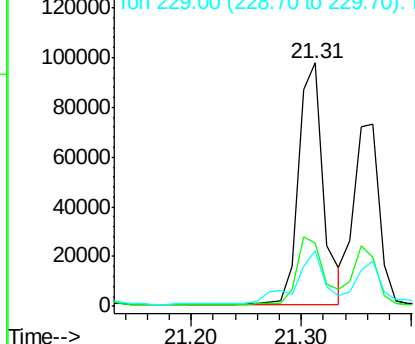
228 100

226 26.2 18.8 28.2

229 22.6 17.1 25.7



Abundance Ion 228.00 (227.70 to 228.70): E
Ion 226.00 (225.70 to 226.70): E
Ion 229.00 (228.70 to 229.70): E



#21

Chrysene

Concen: 0.56 ng/ul

RT: 21.36 min Scan# 1317

Delta R.T. -0.00 min

Lab File: BM003235.D

Acq: 20 Nov 2015 23:32

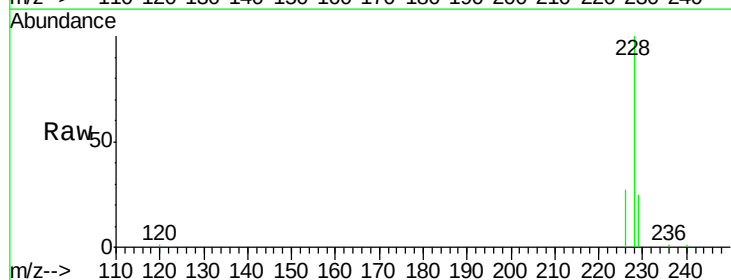
Tgt Ion:228 Resp: 117779

Ion Ratio Lower Upper

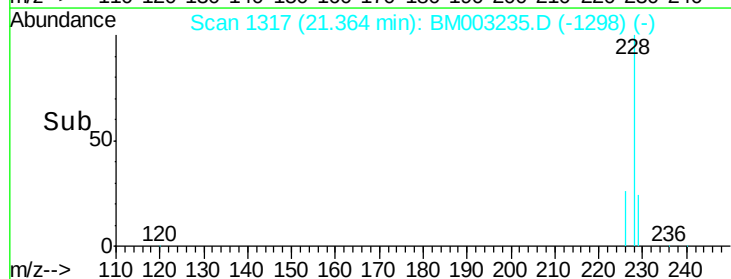
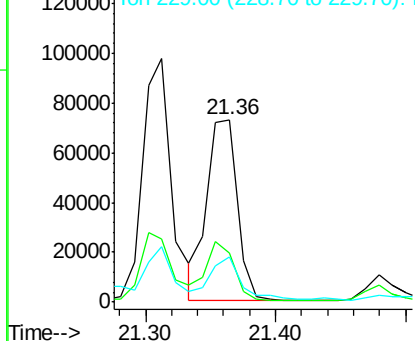
228 100

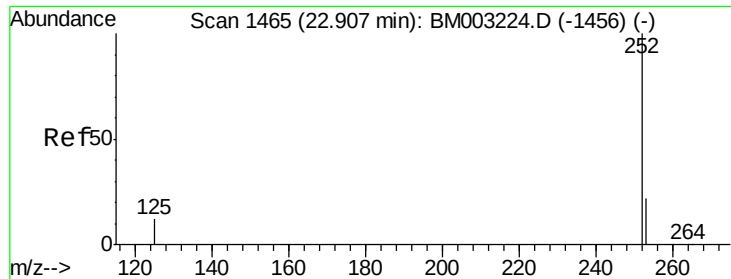
226 27.0 21.2 31.8

229 25.1 17.0 25.6



Abundance Ion 228.00 (227.70 to 228.70): E
Ion 226.00 (225.70 to 226.70): E
Ion 229.00 (228.70 to 229.70): E





#23

Benzo(b)fluoranthene

Concen: 0.82 ng/ul

RT: 22.91 min Scan# 1465

Delta R.T. -0.00 min

Lab File: BM003235.D

Acq: 20 Nov 2015 23:32

Instrument :

BNA_M

ClientSampleId :

A4HS1

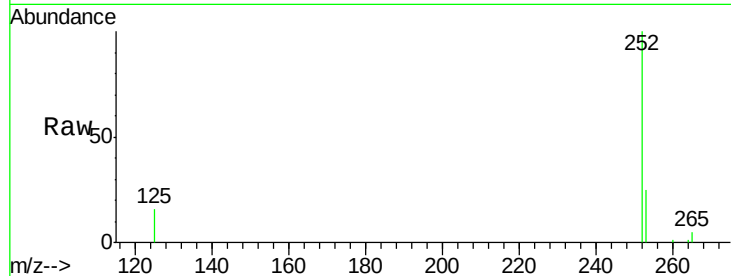
Tgt Ion:252 Resp: 201493

Ion Ratio Lower Upper

252 100

253 24.5 0.0 45.4

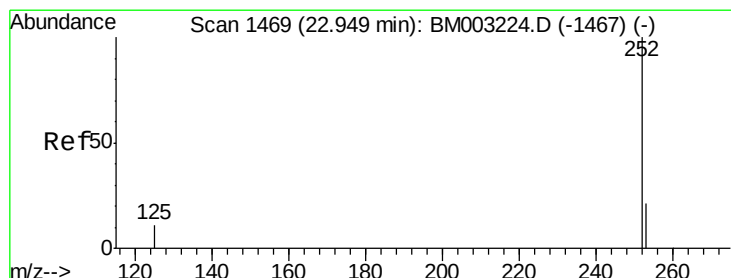
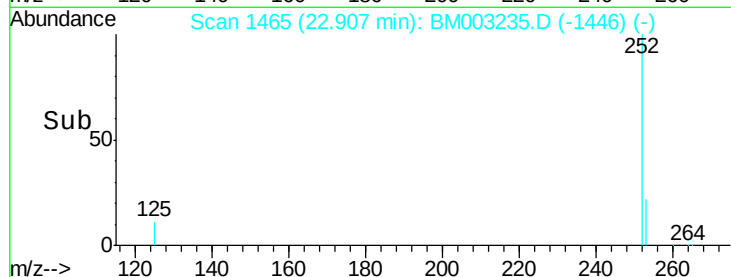
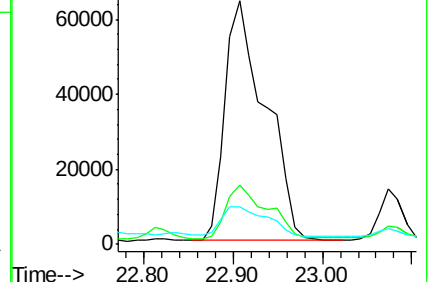
125 15.6 0.0 28.8



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: 0.87 ng/ul

RT: 22.91 min Scan# 1465

Delta R.T. -0.04 min

Lab File: BM003235.D

Acq: 20 Nov 2015 23:32

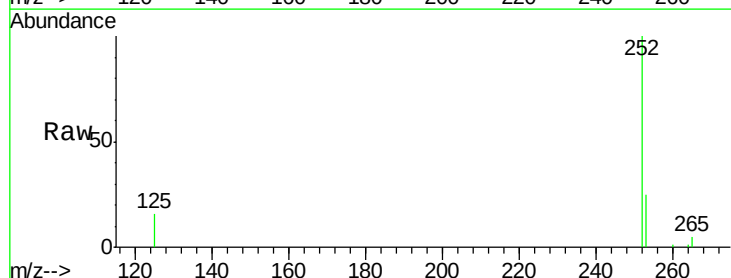
Tgt Ion:252 Resp: 201493

Ion Ratio Lower Upper

252 100

253 24.5 19.8 29.8

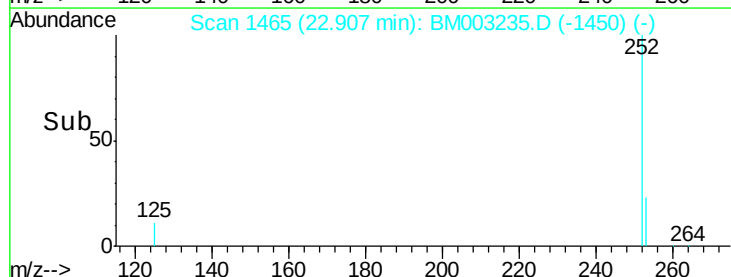
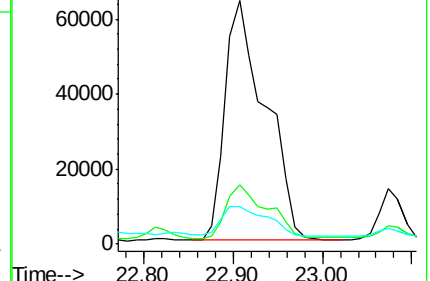
125 15.6 10.4 15.6

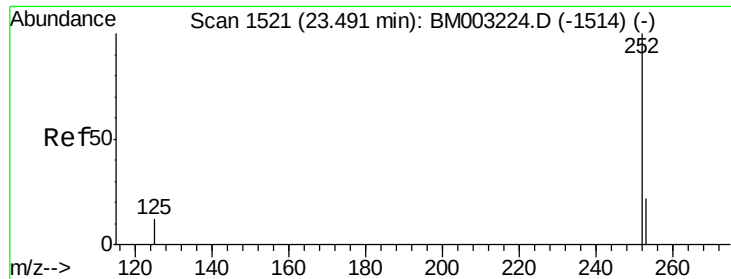


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#25

Benzo(a)pyrene

Concen: 0.57 ng/ul

RT: 23.48 min Scan# 1520

Delta R.T. -0.01 min

Lab File: BM003235.D

Acq: 20 Nov 2015 23:32

Instrument :

BNA_M

ClientSampleId :

A4HS1

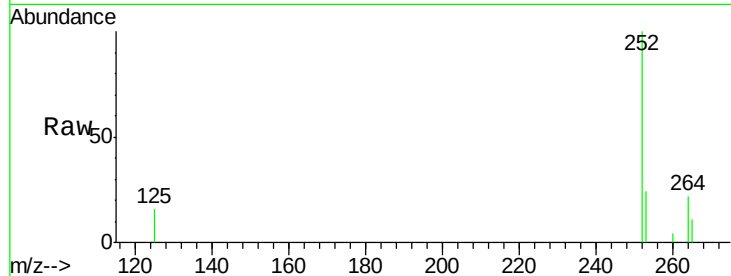
Tgt Ion:252 Resp: 124339

Ion Ratio Lower Upper

252 100

253 23.9 19.4 29.2

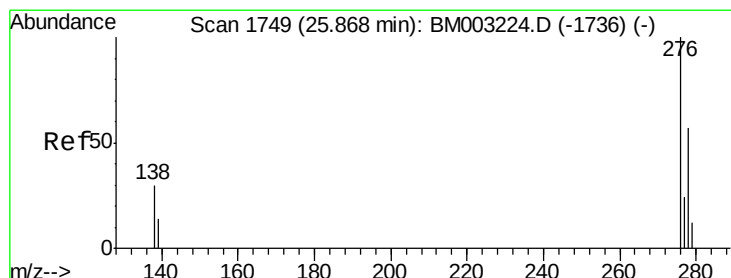
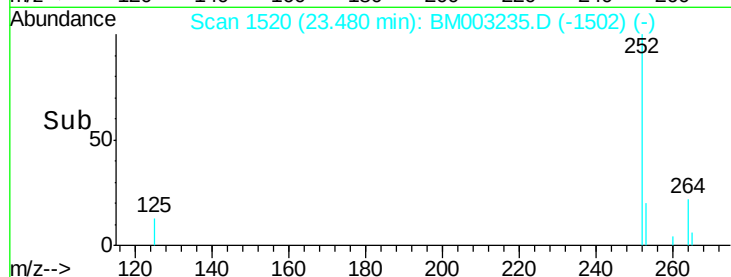
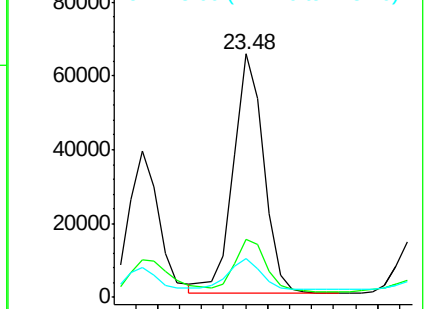
125 15.8 12.7 19.1



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: 0.26 ng/ul

RT: 25.86 min Scan# 1748

Delta R.T. -0.01 min

Lab File: BM003235.D

Acq: 20 Nov 2015 23:32

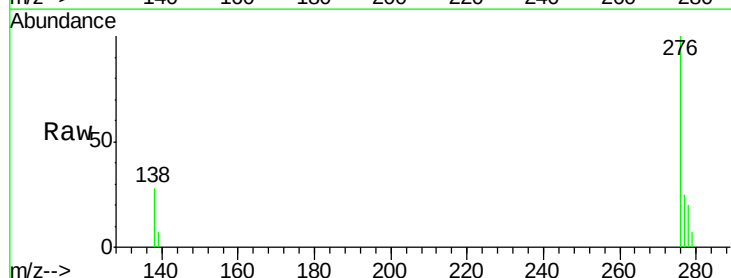
Tgt Ion:276 Resp: 67989

Ion Ratio Lower Upper

276 100

138 25.4 16.3 24.5#

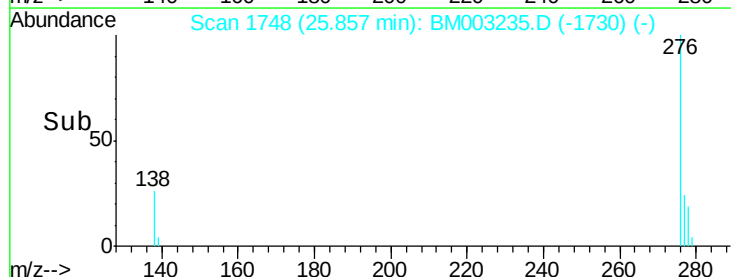
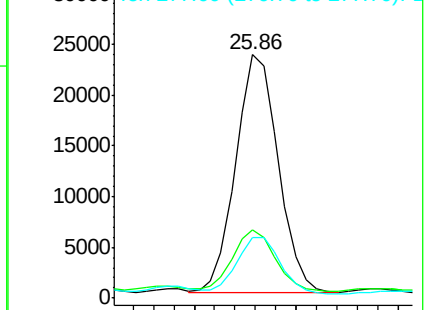
277 24.4 19.8 29.8

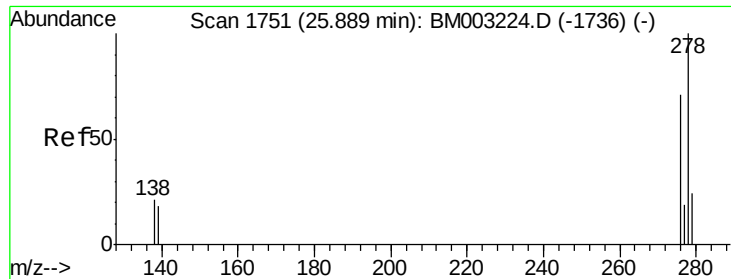


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E





#27

Dibenzo(a,h)anthracene

Concen: 0.08 ng/ul

RT: 25.87 min Scan# 1749

Delta R.T. -0.02 min

Lab File: BM003235.D

Acq: 20 Nov 2015 23:32

Instrument :

BNA_M

ClientSampleId :

A4HS1

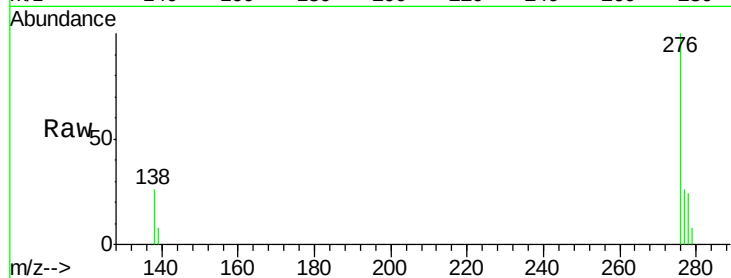
Tgt Ion:278 Resp: 16580

Ion Ratio Lower Upper

278 100

139 32.2 16.4 24.6#

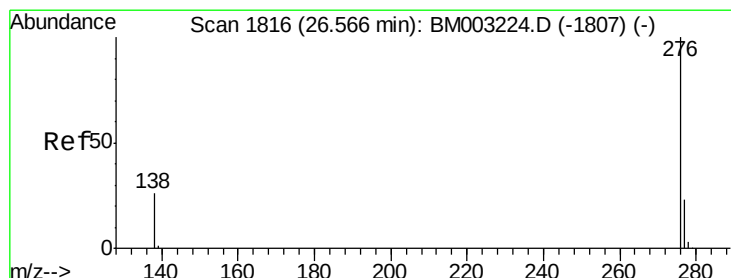
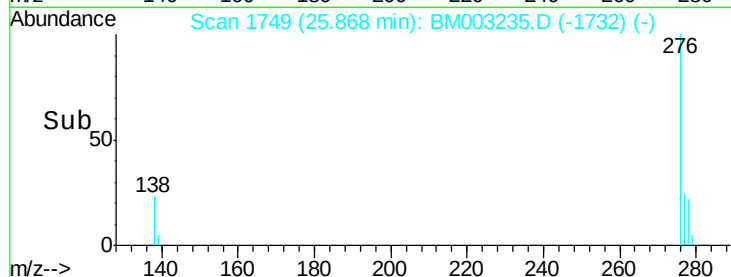
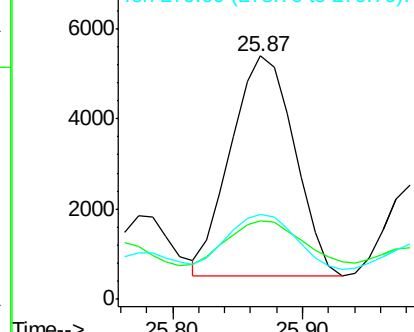
279 35.1 20.2 30.2#



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: 0.29 ng/ul

RT: 26.57 min Scan# 1816

Delta R.T. -0.00 min

Lab File: BM003235.D

Acq: 20 Nov 2015 23:32

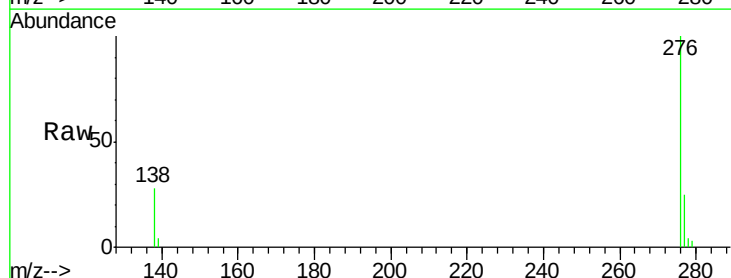
Tgt Ion:276 Resp: 66130

Ion Ratio Lower Upper

276 100

277 25.2 18.9 28.3

138 27.7 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

