

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM112015\
 Data File : BM003234.D
 Acq On : 20 Nov 2015 22:56
 Operator : UM/IZ
 Sample : G4322-07RX
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 A4HR8RX

Quant Time: Nov 21 04:27:59 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	14685	0.40	ng/ul	0.00
4) Naphthalene-d8	10.53	136	56112	0.40	ng/ul	0.00
8) Acenaphthene-d10	14.38	164	27614	0.40	ng/ul	0.00
12) Phenanthrene-d10	17.12	188	56588	0.40	ng/ul	0.00
18) Chrysene-d12	21.33	240	55663	0.40	ng/ul	0.00
22) Perylene-d12	23.58	264	58378	0.40	ng/ul	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
2) 1,4-Dioxane-d8	3.20	96	48657	3.10	ng/uL	0.00
6) 2-Methylnaphthalene-d10	12.12	152	9339	0.12	ng/ul	0.00
16) Fluoranthene-d10	19.17	212	14518	0.10	ng/ul	0.00

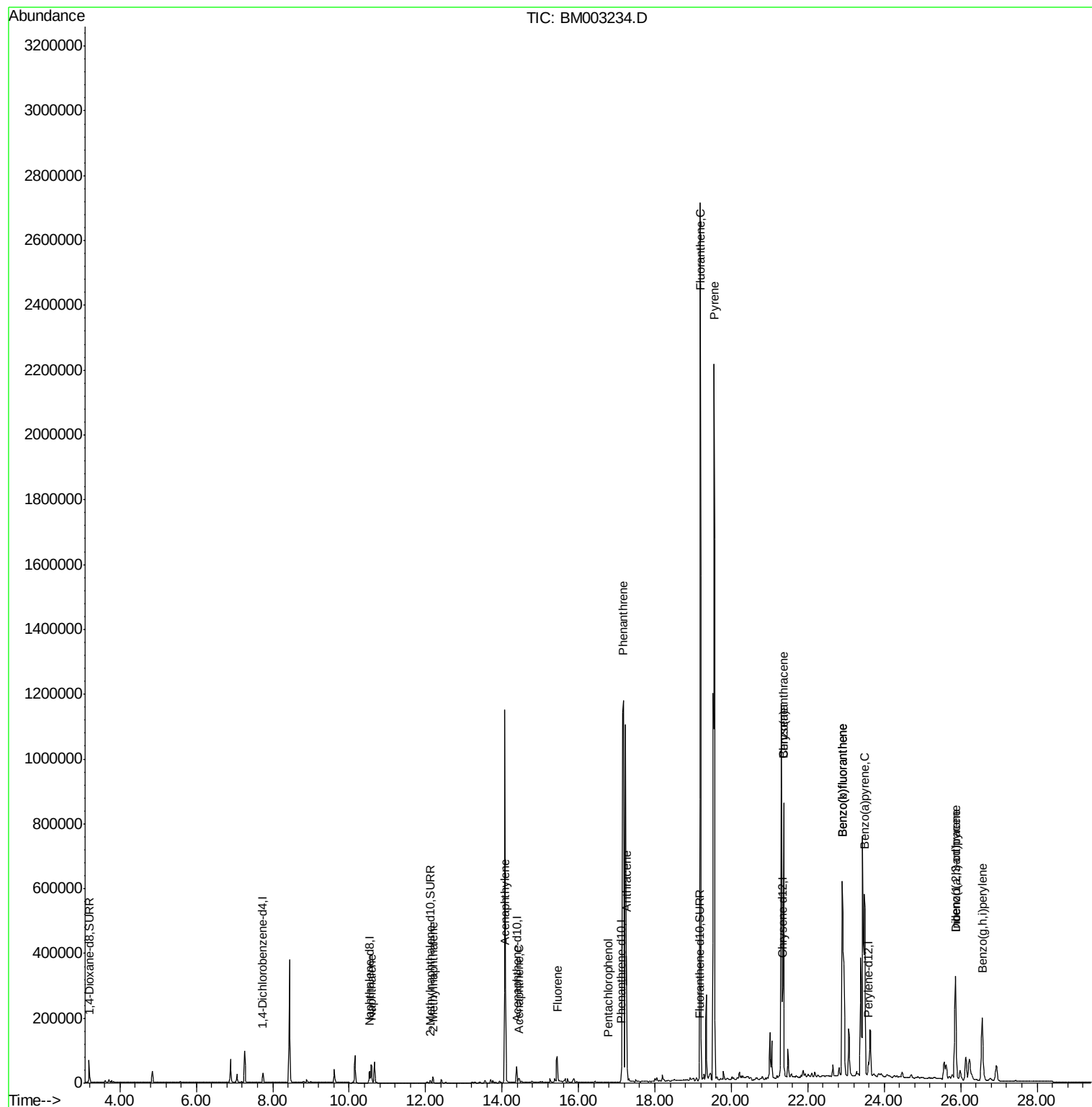
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Naphthalene	10.57	128	85238	0.59	ng/ul	97
7) 2-Methylnaphthalene	12.19	142	13935	0.15	ng/ul#	100
9) Acenaphthylene	14.09	152	112421	0.98	ng/ul	99
10) Acenaphthene	14.43	153	11843	0.12	ng/ul#	75
11) Fluorene	15.44	166	81109	0.77	ng/ul	98
13) Pentachlorophenol	16.78	266	1106	0.08	ng/ul	95
14) Phenanthrene	17.17	178	1833541	11.17	ng/ul	100
15) Anthracene	17.26	178	443181	3.22	ng/ul	99
17) Fluoranthene	19.19	202	2581283	14.18	ng/ul	98
19) Pyrene	19.55	202	2179269	11.42	ng/ul	99
20) Benzo(a)anthracene	21.36	228	868666	5.38	ng/ul	93
21) Chrysene	21.36	228	867590	4.77	ng/ul	96
23) Benzo(b)fluoranthene	22.91	252	1455048	6.56	ng/ul	98
24) Benzo(k)fluoranthene	22.91	252	1455048	6.93	ng/ul	98
25) Benzo(a)pyrene	23.48	252	803652	4.07	ng/ul	96
26) Indeno(1,2,3-cd)pyrene	25.87	276	513456	2.18	ng/ul#	95
27) Dibenzo(a,h)anthracene	25.87	278	121119	0.64	ng/ul#	93
28) Benzo(g,h,i)perylene	26.57	276	411478	1.99	ng/ul	97

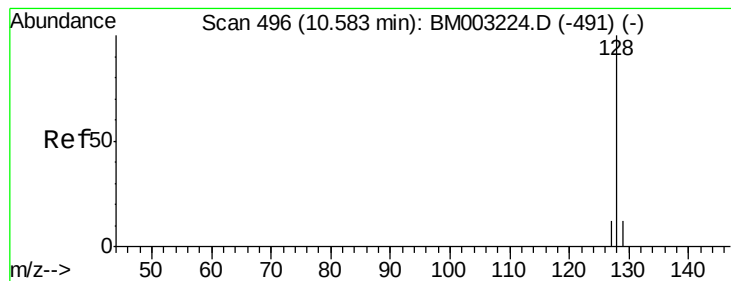
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#5

Naphthalene

Concen: 0.59 ng/ul

RT: 10.57 min Scan# 495

Delta R.T. -0.01 min

Lab File: BM003234.D

Acq: 20 Nov 2015 22:56

Instrument :

BNA_M

ClientSampleId :

A4HR8RX

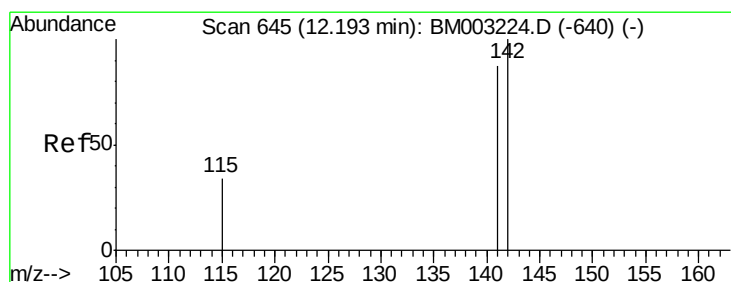
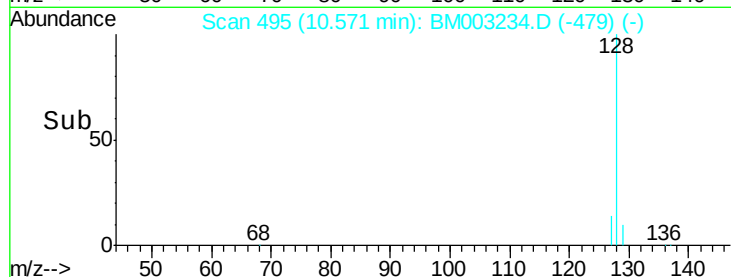
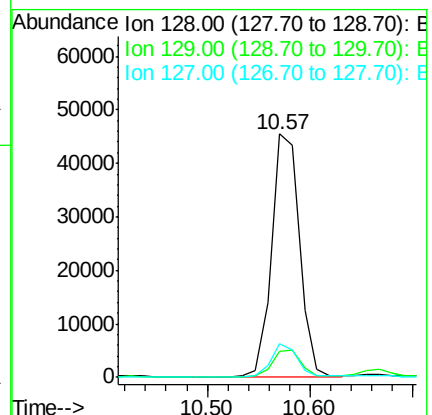
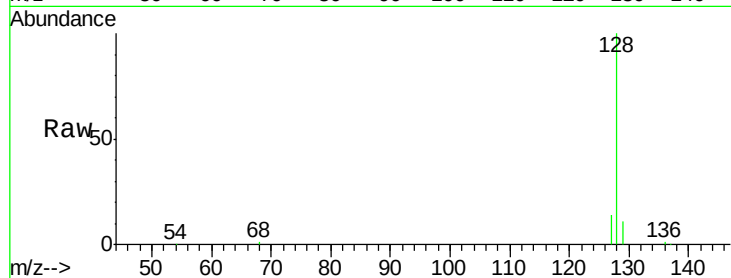
Tgt Ion:128 Resp: 85238

Ion Ratio Lower Upper

128 100

129 10.5 9.0 13.6

127 13.8 9.6 14.4



#7

2-Methylnaphthalene

Concen: 0.15 ng/ul

RT: 12.19 min Scan# 645

Delta R.T. -0.00 min

Lab File: BM003234.D

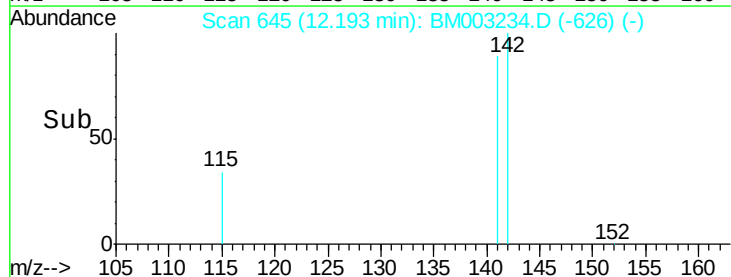
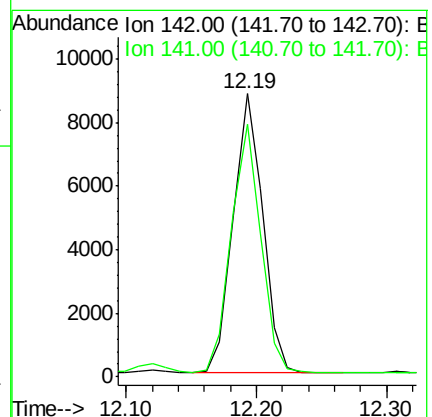
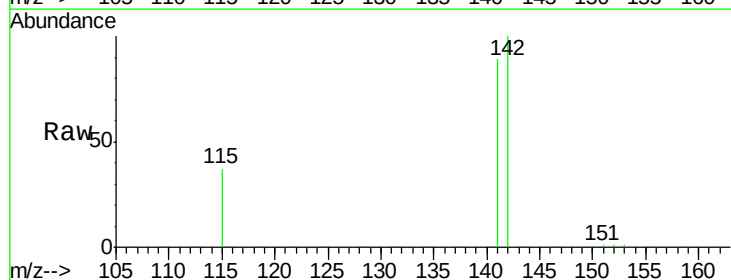
Acq: 20 Nov 2015 22:56

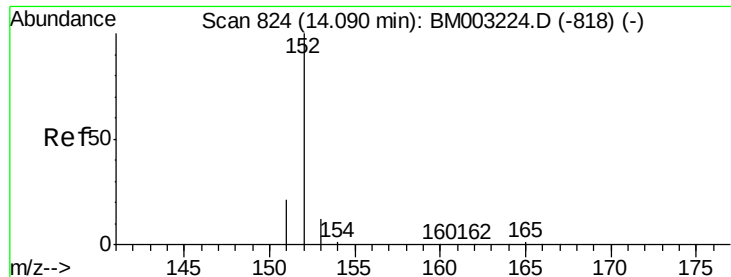
Tgt Ion:142 Resp: 13935

Ion Ratio Lower Upper

142 100

141 88.7 0.0 0.0#





#9

Acenaphthylene

Concen: 0.98 ng/ul

RT: 14.09 min Scan# 824

Delta R.T. -0.00 min

Lab File: BM003234.D

Acq: 20 Nov 2015 22:56

Instrument :

BNA_M

ClientSampleId :

A4HR8RX

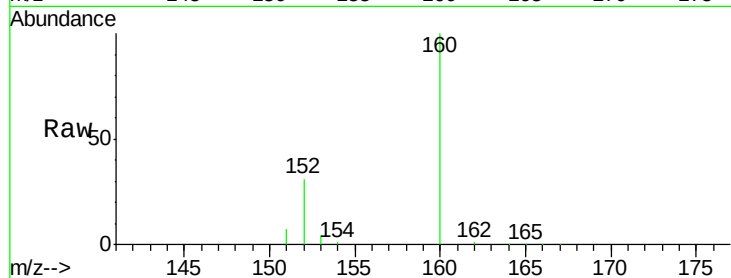
Tgt Ion:152 Resp: 112421

Ion Ratio Lower Upper

152 100

151 21.4 17.6 26.4

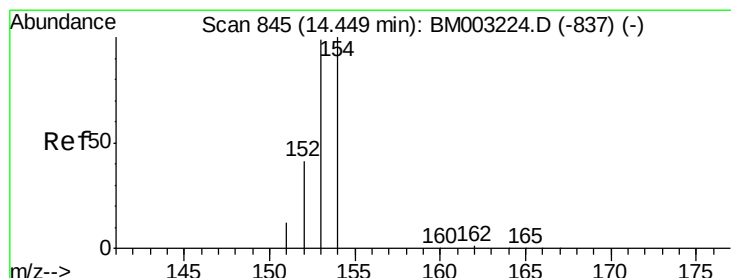
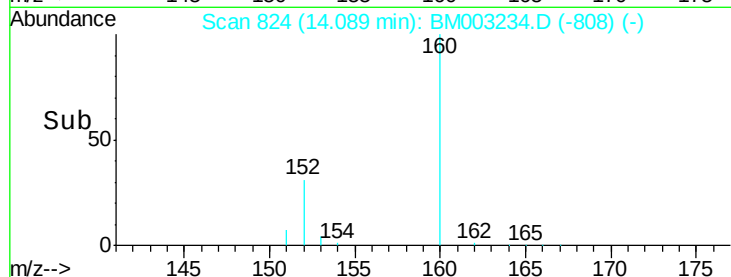
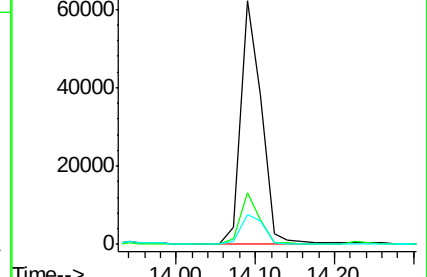
153 12.4 9.7 14.5



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: 0.12 ng/ul

RT: 14.43 min Scan# 844

Delta R.T. -0.02 min

Lab File: BM003234.D

Acq: 20 Nov 2015 22:56

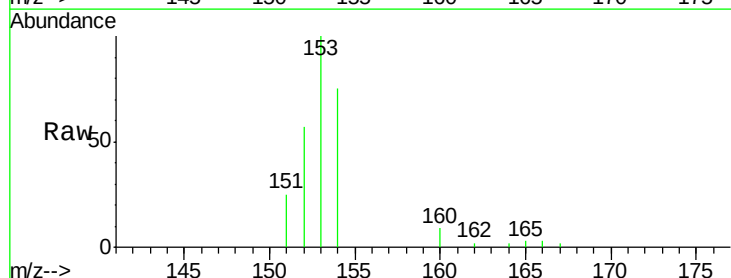
Tgt Ion:153 Resp: 11843

Ion Ratio Lower Upper

153 100

152 57.4 33.9 50.9#

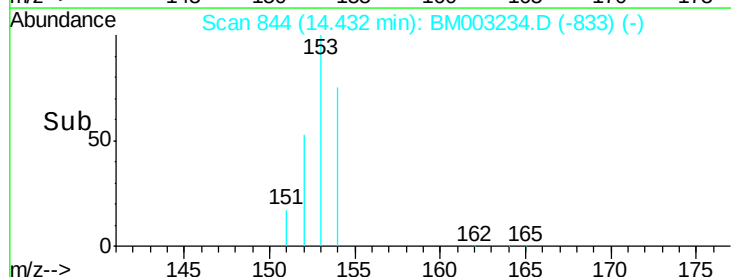
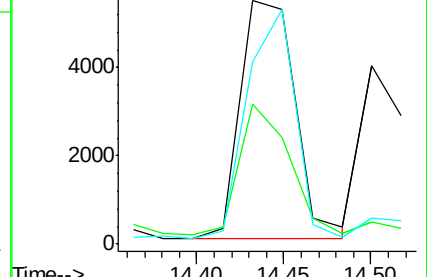
154 74.6 80.6 121.0#

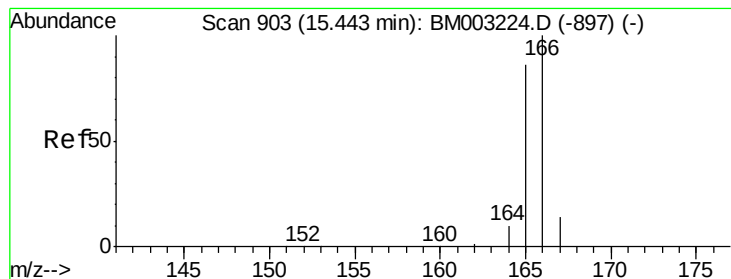


Abundance Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

Ion 154.00 (153.70 to 154.70): E





#11

Fluorene

Concen: 0.77 ng/ul

RT: 15.44 min Scan# 903

Delta R.T. -0.00 min

Lab File: BM003234.D

Acq: 20 Nov 2015 22:56

Instrument :

BNA_M

ClientSampleId :

A4HR8RX

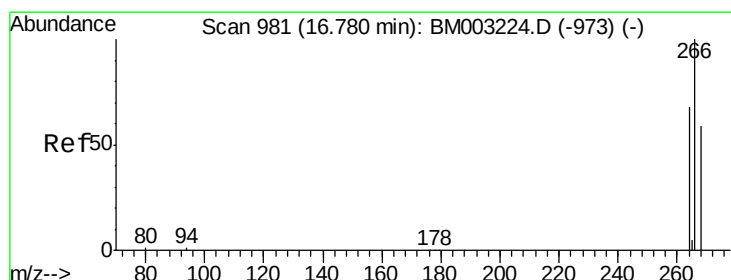
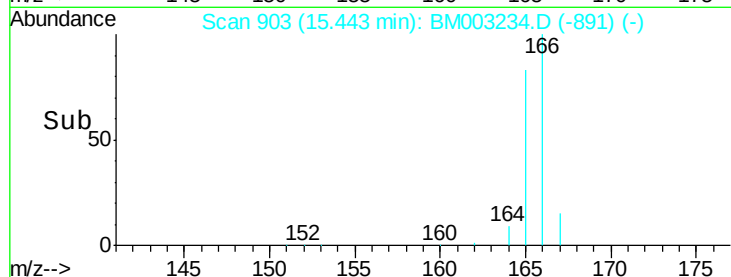
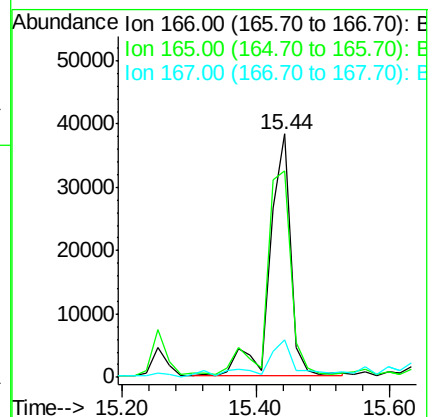
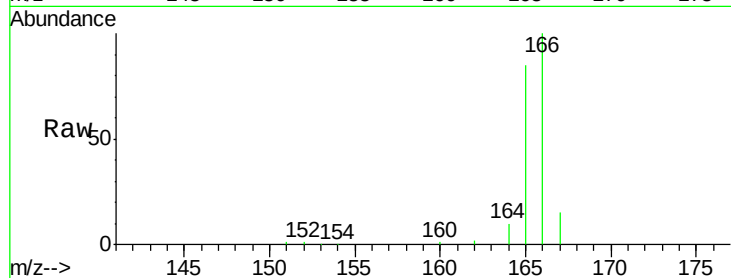
Tgt Ion:166 Resp: 81109

Ion Ratio Lower Upper

166 100

165 84.9 69.6 104.4

167 15.4 11.9 17.9



#13

Pentachlorophenol

Concen: 0.08 ng/ul

RT: 16.78 min Scan# 981

Delta R.T. -0.00 min

Lab File: BM003234.D

Acq: 20 Nov 2015 22:56

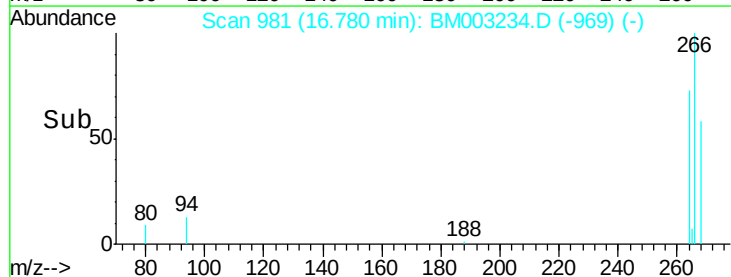
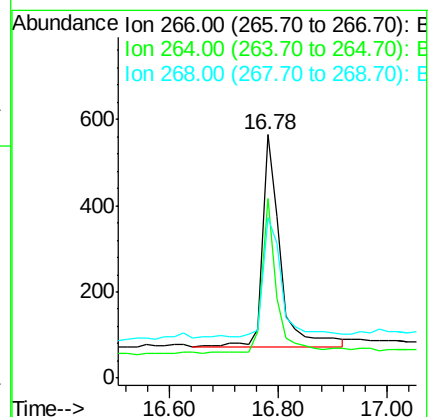
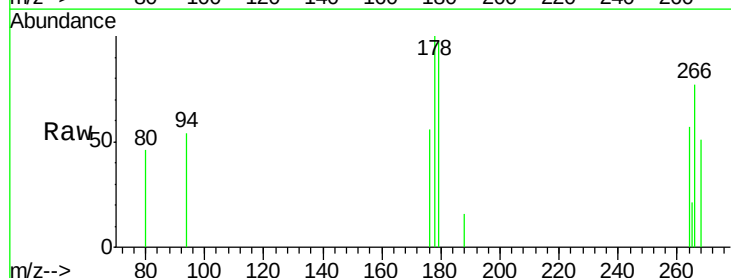
Tgt Ion:266 Resp: 1106

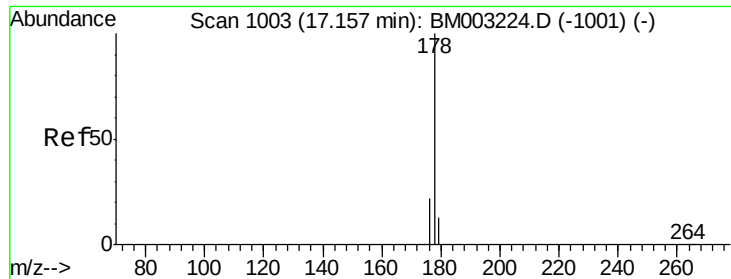
Ion Ratio Lower Upper

266 100

264 58.2 51.8 77.8

268 60.1 46.8 70.2





#14

Phenanthrene

Concen: 11.17 ng/ul

RT: 17.17 min Scan# 1004

Delta R.T. 0.02 min

Lab File: BM003234.D

Acq: 20 Nov 2015 22:56

Instrument :

BNA_M

ClientSampleId :

A4HR8RX

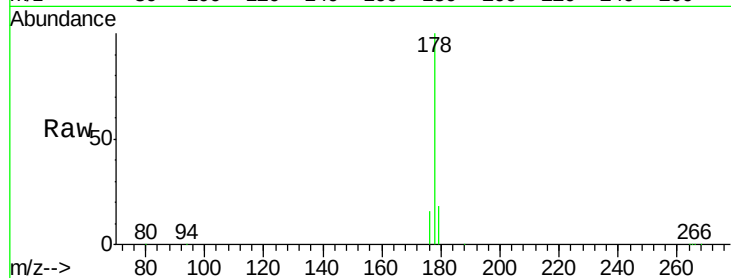
Tgt Ion:178 Resp: 1833541

Ion Ratio Lower Upper

178 100

176 16.2 13.0 19.4

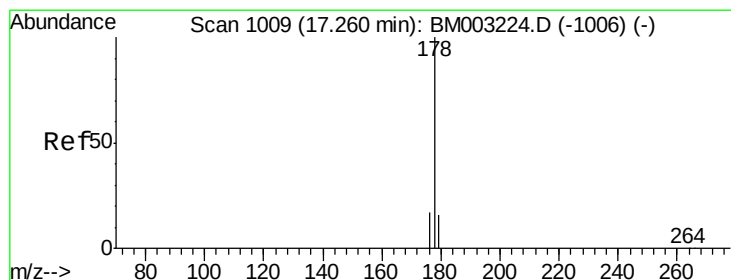
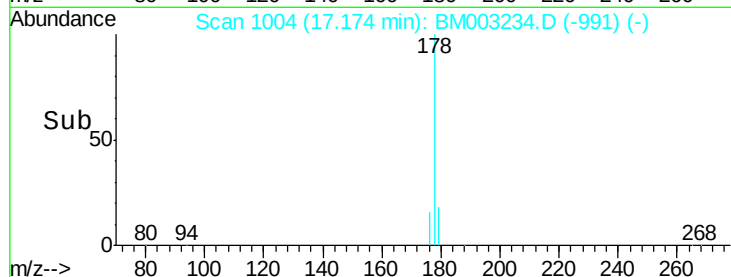
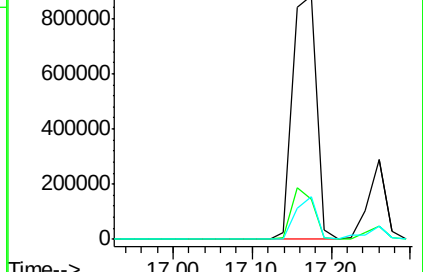
179 17.6 14.2 21.2



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: 3.22 ng/ul

RT: 17.26 min Scan# 1009

Delta R.T. -0.00 min

Lab File: BM003234.D

Acq: 20 Nov 2015 22:56

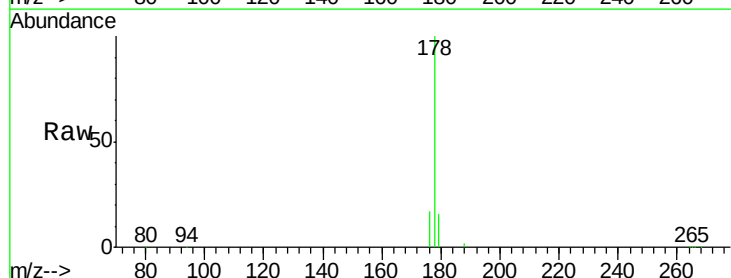
Tgt Ion:178 Resp: 443181

Ion Ratio Lower Upper

178 100

176 17.0 14.0 21.0

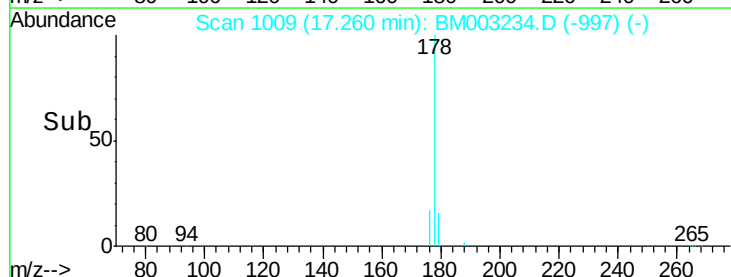
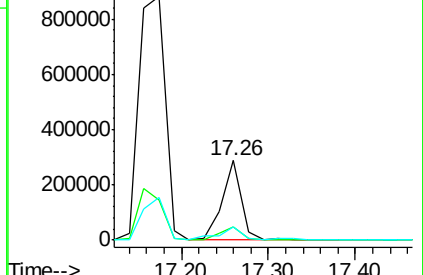
179 16.0 12.9 19.3

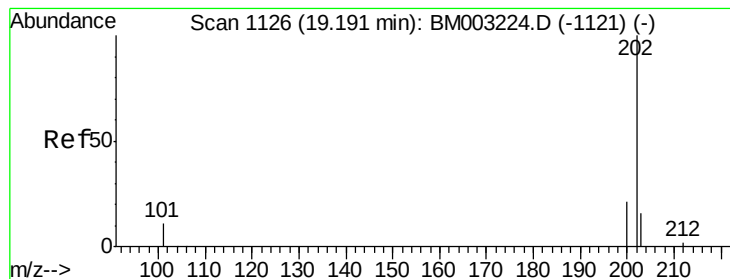


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#17

Fluoranthene

Concen: 14.18 ng/ul

RT: 19.19 min Scan# 1126

Delta R.T. -0.00 min

Lab File: BM003234.D

Acq: 20 Nov 2015 22:56

Instrument :

BNA_M

ClientSampleId :

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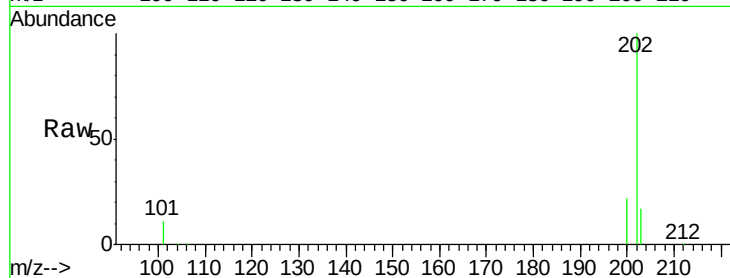
Tgt Ion:202 Resp: 2581283

Ion Ratio Lower Upper

202 100

101 11.1 0.0 29.6

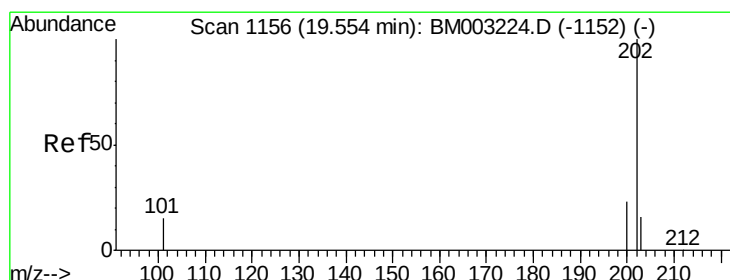
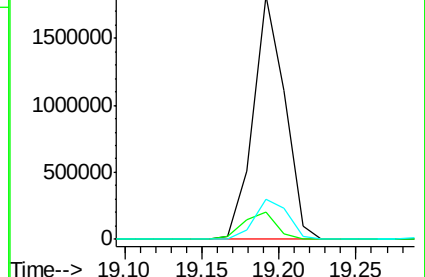
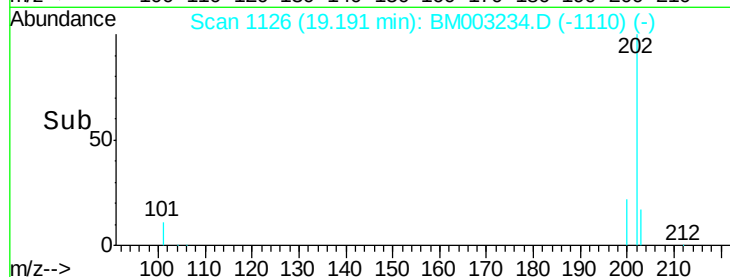
203 16.6 0.0 36.3



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: 11.42 ng/ul

RT: 19.55 min Scan# 1156

Delta R.T. -0.00 min

Lab File: BM003234.D

Acq: 20 Nov 2015 22:56

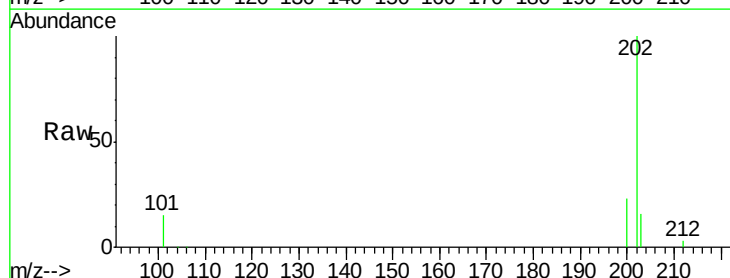
Tgt Ion:202 Resp: 2179269

Ion Ratio Lower Upper

202 100

200 23.2 17.8 26.8

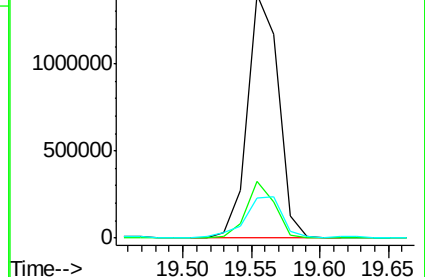
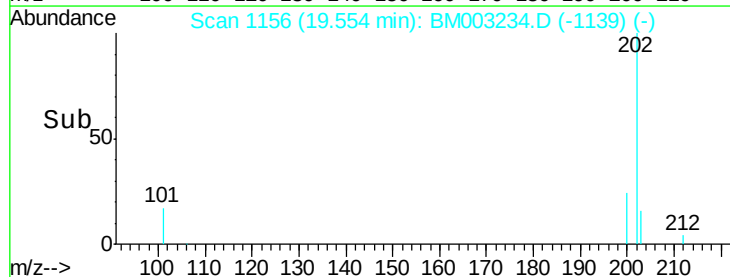
203 16.4 12.8 19.2

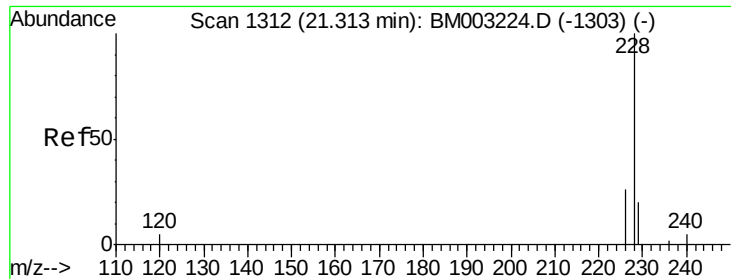


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#20

Benzo(a)anthracene

Concen: 5.38 ng/ul

RT: 21.36 min Scan# 1317

Delta R.T. 0.05 min

Lab File: BM003234.D

Acq: 20 Nov 2015 22:56

Instrument :

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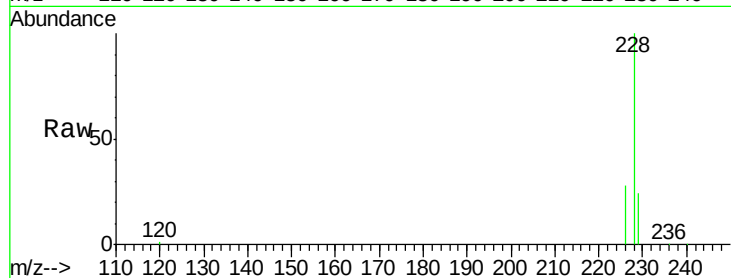
Tgt Ion:228 Resp: 868666

Ion Ratio Lower Upper

228 100

226 27.6 18.8 28.2

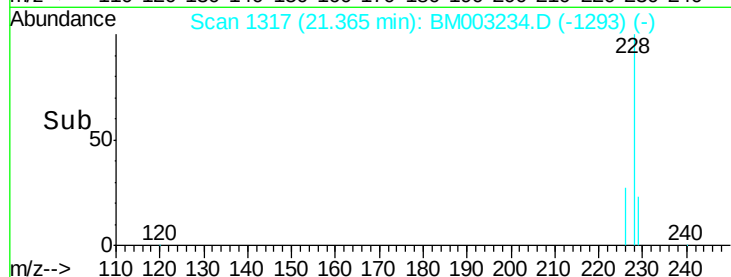
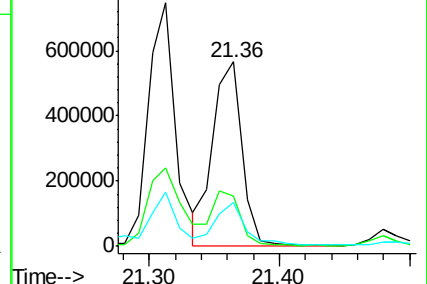
229 24.1 17.1 25.7



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: 4.77 ng/ul

RT: 21.36 min Scan# 1317

Delta R.T. -0.00 min

Lab File: BM003234.D

Acq: 20 Nov 2015 22:56

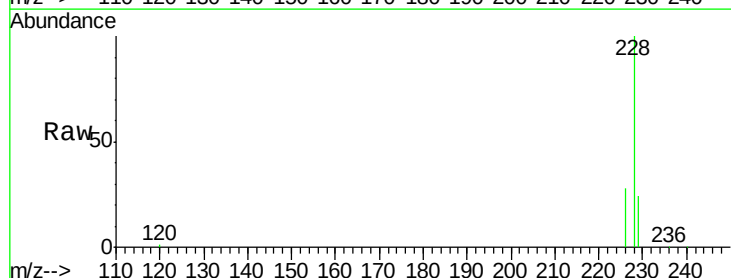
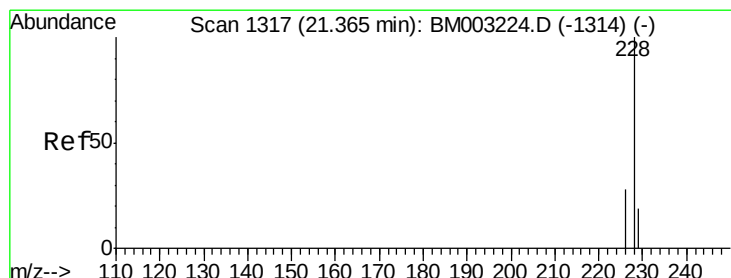
Tgt Ion:228 Resp: 867590

Ion Ratio Lower Upper

228 100

226 27.6 21.2 31.8

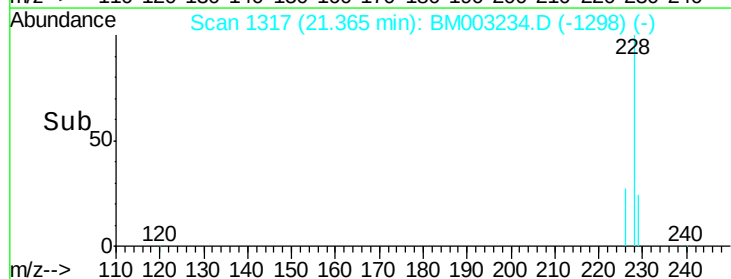
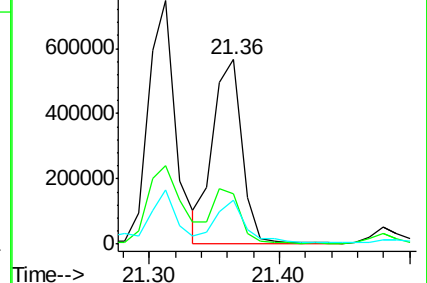
229 24.1 17.0 25.6

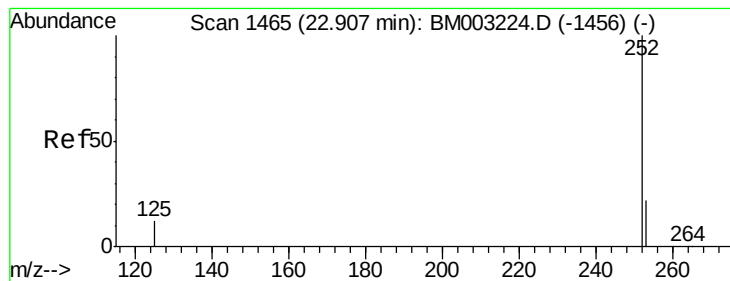


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#23

Benzo(b)fluoranthene

Concen: 6.56 ng/uI

RT: 22.91 min Scan# 1465

Delta R.T. -0.00 min

Lab File: BM003234.D

Acq: 20 Nov 2015 22:56

Instrument :

BNA_M

ClientSampleId :

A4HR8RX

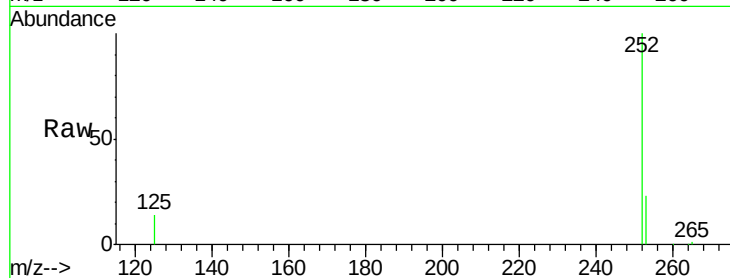
Tgt Ion:252 Resp: 1455048

Ion Ratio Lower Upper

252 100

253 23.4 0.0 45.4

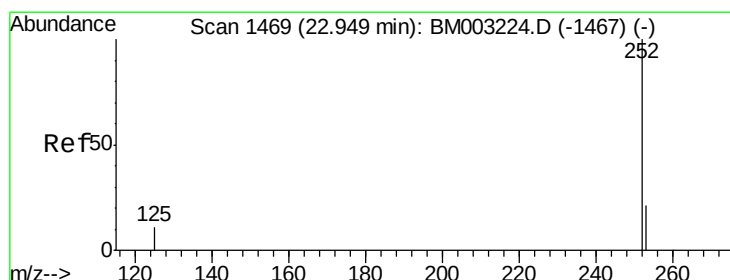
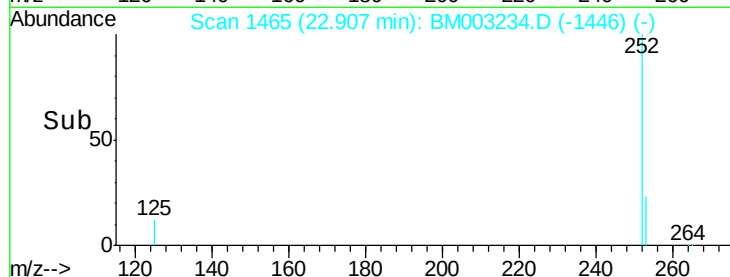
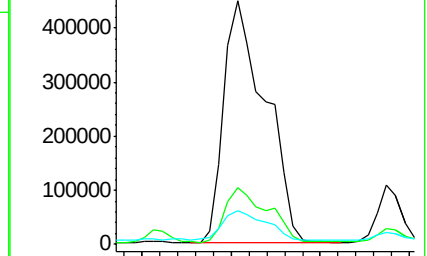
125 13.6 0.0 28.8



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: 6.93 ng/uI

RT: 22.91 min Scan# 1465

Delta R.T. -0.04 min

Lab File: BM003234.D

Acq: 20 Nov 2015 22:56

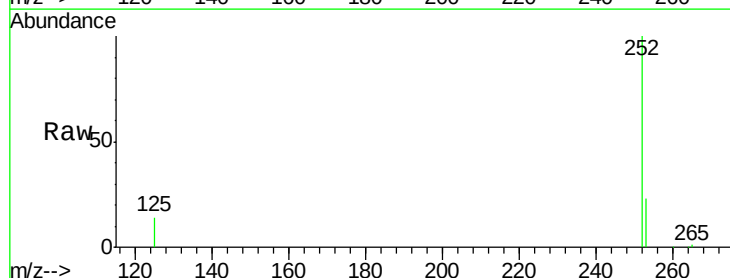
Tgt Ion:252 Resp: 1455048

Ion Ratio Lower Upper

252 100

253 23.4 19.8 29.8

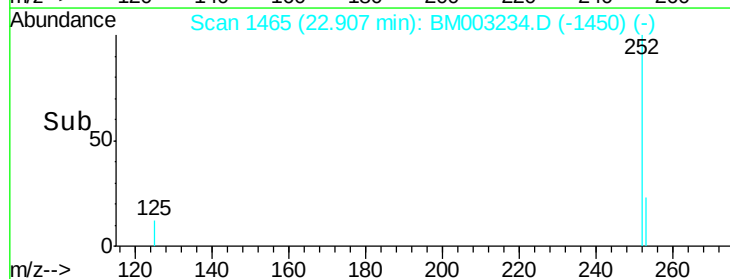
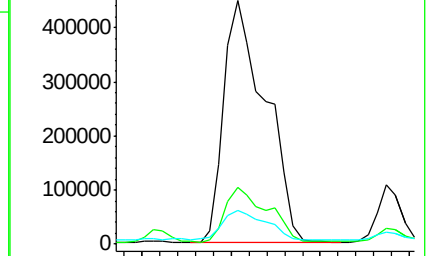
125 13.6 10.4 15.6

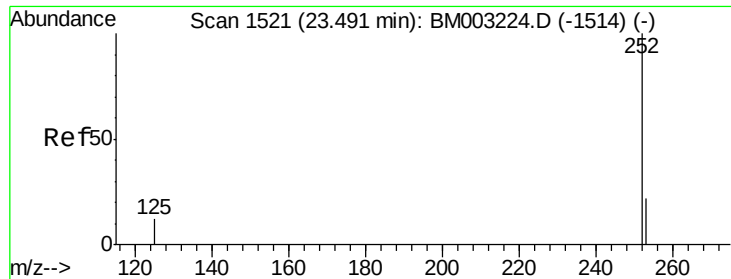


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#25

Benzo(a)pyrene

Concen: 4.07 ng/ul

RT: 23.48 min Scan# 1520

Delta R.T. -0.01 min

Lab File: BM003234.D

Acq: 20 Nov 2015 22:56

Instrument :

BNA_M

ClientSampleId :

A4HR8RX

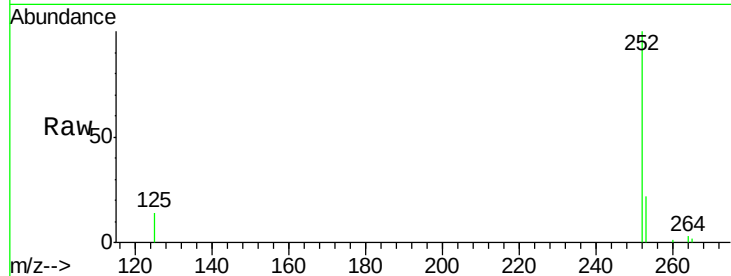
Tgt Ion:252 Resp: 803652

Ion Ratio Lower Upper

252 100

253 22.3 19.4 29.2

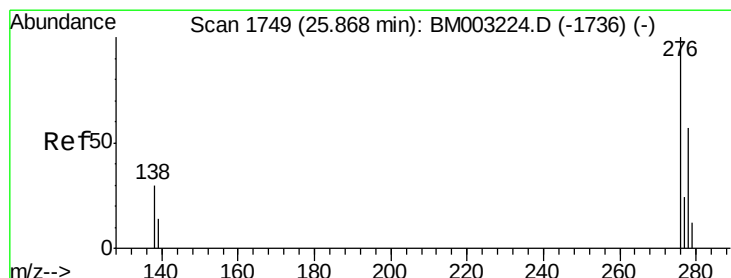
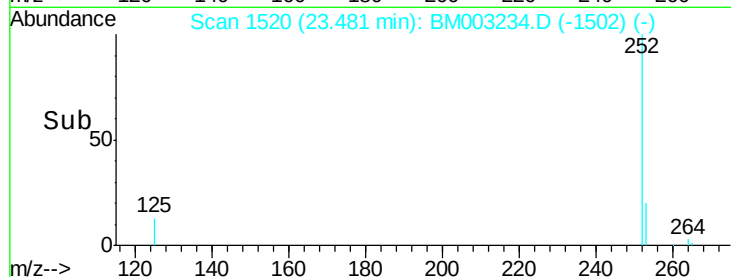
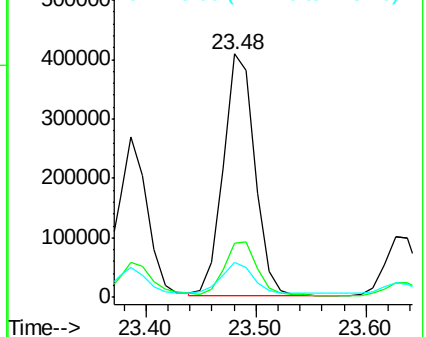
125 14.4 12.7 19.1



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: 2.18 ng/ul

RT: 25.87 min Scan# 1749

Delta R.T. -0.00 min

Lab File: BM003234.D

Acq: 20 Nov 2015 22:56

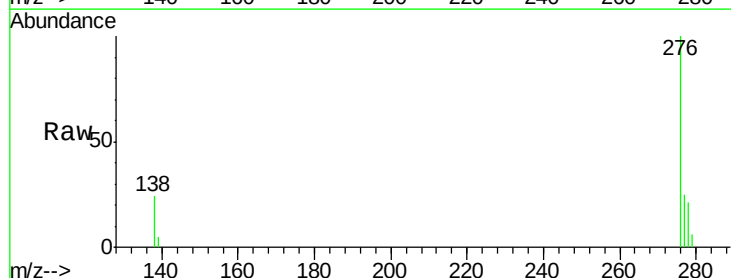
Tgt Ion:276 Resp: 513456

Ion Ratio Lower Upper

276 100

138 25.2 16.3 24.5#

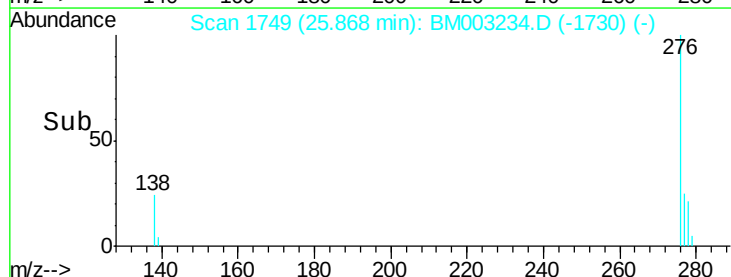
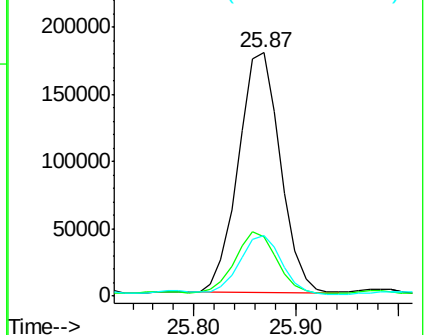
277 24.5 19.8 29.8

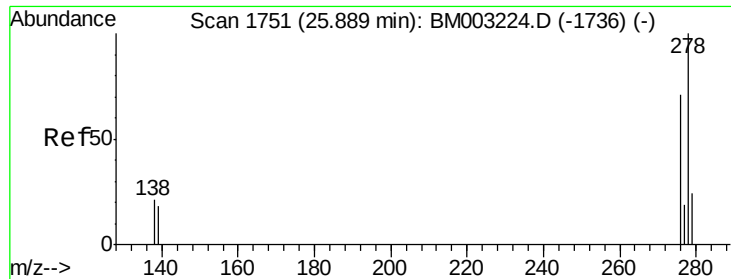


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E

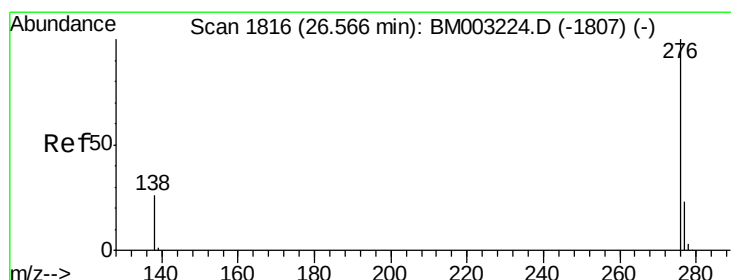
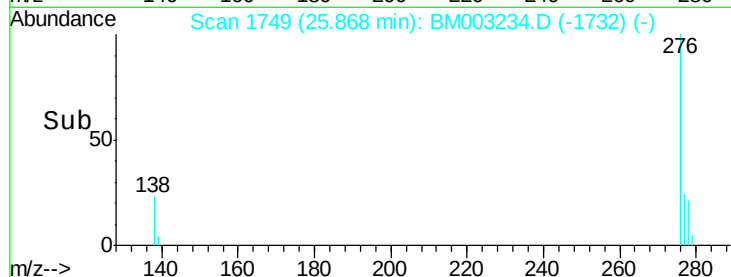
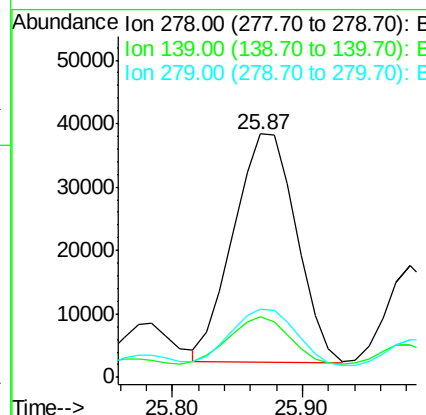
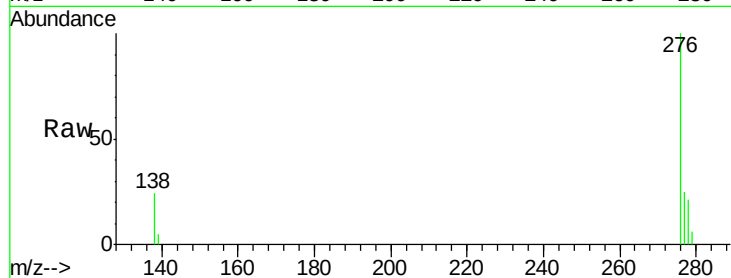




#27
Dibenzo(a,h)anthracene
Concen: 0.64 ng/ul
RT: 25.87 min Scan# 1749
Delta R.T. -0.02 min
Lab File: BM003234.D
Acq: 20 Nov 2015 22:56

Instrument :
BNA_M
ClientSampleId :
A4HR8RX

Tgt Ion: 278 Resp: 121119
Ion Ratio Lower Upper
278 100
139 24.8 16.4 24.6#
279 28.1 20.2 30.2



#28
Benzo(g,h,i)perylene
Concen: 1.99 ng/ul
RT: 26.57 min Scan# 1816
Delta R.T. -0.00 min
Lab File: BM003234.D
Acq: 20 Nov 2015 22:56

Tgt Ion: 276 Resp: 411478
Ion Ratio Lower Upper
276 100
277 24.4 18.9 28.3
138 25.7 22.5 33.7

