

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM112015\
 Data File : BM003223.D
 Acq On : 20 Nov 2015 16:20
 Operator : UM/IZ
 Sample : G4323-25
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 A4J45

Quant Time: Nov 21 03:30:56 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	18446	0.40	ng/ul	0.00
4) Naphthalene-d8	10.53	136	70811	0.40	ng/ul	0.00
8) Acenaphthene-d10	14.38	164	35921	0.40	ng/ul	0.00
12) Phenanthrene-d10	17.12	188	73944	0.40	ng/ul	0.00
18) Chrysene-d12	21.33	240	75263	0.40	ng/ul	0.00
22) Perylene-d12	23.58	264	74079	0.40	ng/ul	0.00

System Monitoring Compounds						
2) 1,4-Dioxane-d8	3.20	96	49007	2.49	ng/uL	0.00
6) 2-Methylnaphthalene-d10	12.12	152	11538	0.12	ng/ul	0.00
16) Fluoranthene-d10	19.17	212	23639	0.13	ng/ul	0.00

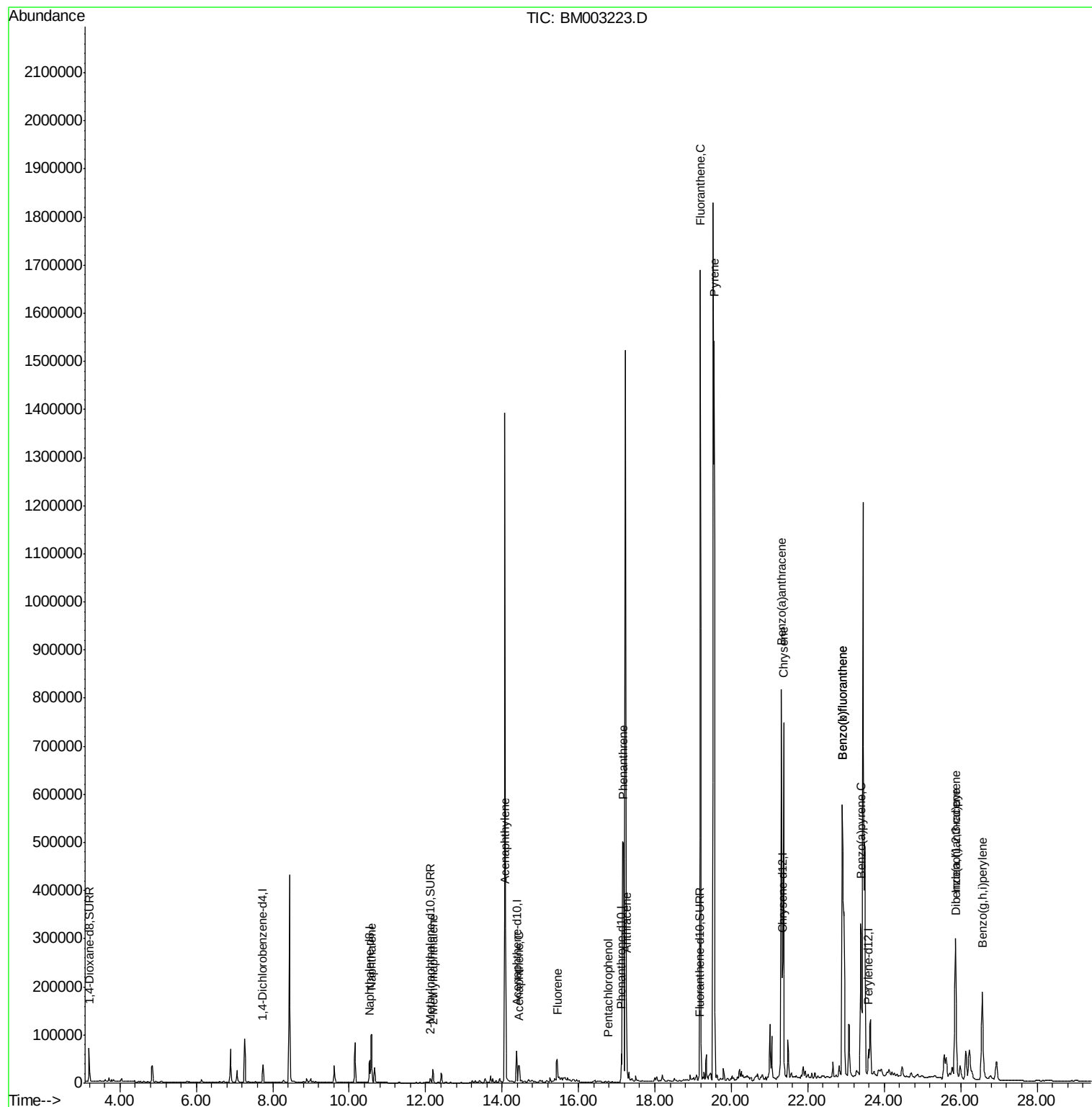
Target Compounds				Qvalue		
5) Naphthalene	10.58	128	153576	0.84	ng/ul	99
7) 2-Methylnaphthalene	12.19	142	19728	0.17	ng/ul#	100
9) Acenaphthylene	14.09	152	106962	0.72	ng/ul	99
10) Acenaphthene	14.43	153	29089	0.23	ng/ul#	76
11) Fluorene	15.44	166	50983	0.37	ng/ul	99
13) Pentachlorophenol	16.78	266	926	0.05	ng/ul	94
14) Phenanthrene	17.17	178	787886	3.67	ng/ul	99
15) Anthracene	17.26	178	201293	1.12	ng/ul	99
17) Fluoranthene	19.19	202	1564133	6.57	ng/ul	98
19) Pyrene	19.55	202	1477122	5.72	ng/ul	99
20) Benzo(a)anthracene	21.31	228	774252	3.55	ng/ul	94
21) Chrysene	21.36	228	730673	2.97	ng/ul	97
23) Benzo(b)fluoranthene	22.91	252	1333633	4.74	ng/ul	99
24) Benzo(k)fluoranthene	22.91	252	1333633	5.01	ng/ul	97
25) Benzo(a)pyrene	23.39	252	454893	1.82	ng/ul	95
26) Indeno(1,2,3-cd)pyrene	25.87	276	461141	1.54	ng/ul#	94
27) Dibenzo(a,h)anthracene	25.88	278	113659	0.47	ng/ul#	90
28) Benzo(g,h,i)perylene	26.57	276	377836	1.44	ng/ul	97

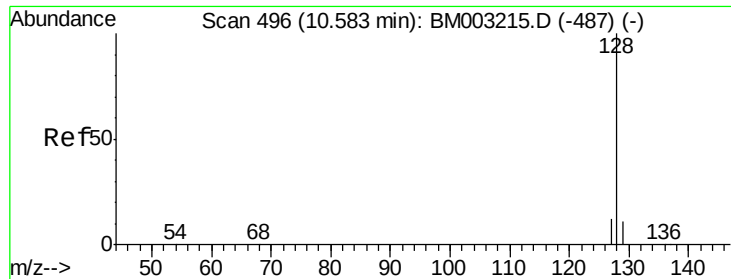
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: BM003223.D

Acq: 20 Nov 2015 16:20

Instrument :

BNA_M

ClientSampleId :

A4J45

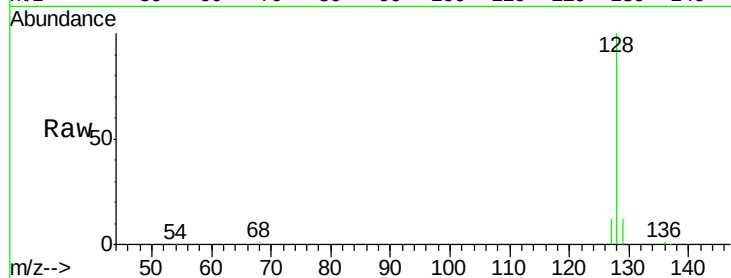
Tgt Ion:128 Resp: 153576

Ion Ratio Lower Upper

128 100

129 11.7 9.0 13.6

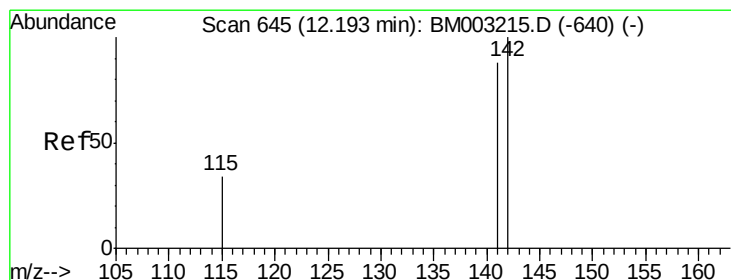
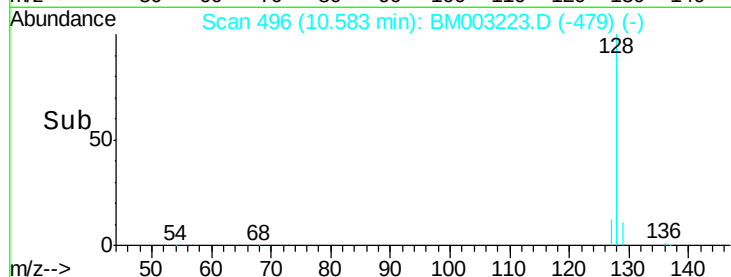
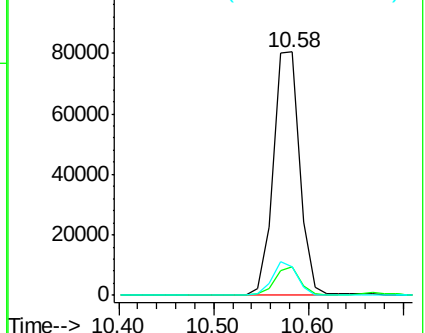
127 11.7 9.6 14.4



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: 0.17 ng/ul

RT: 12.19 min Scan# 645

Delta R.T. 0.00 min

Lab File: BM003223.D

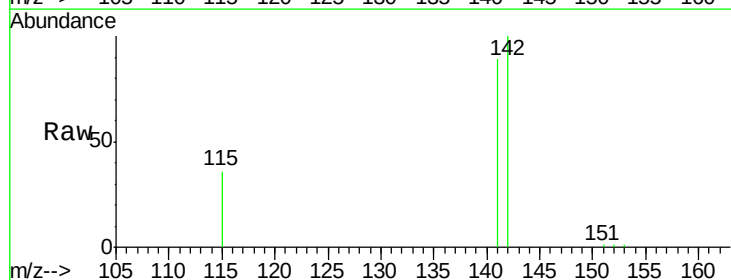
Acq: 20 Nov 2015 16:20

Tgt Ion:142 Resp: 19728

Ion Ratio Lower Upper

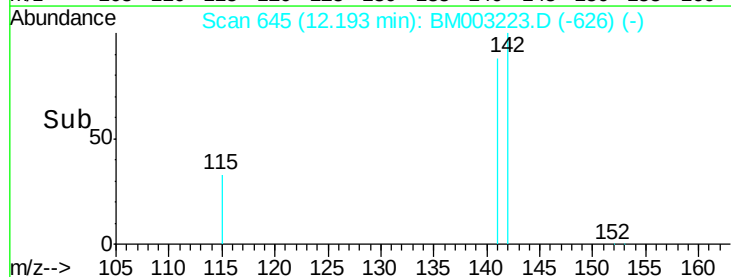
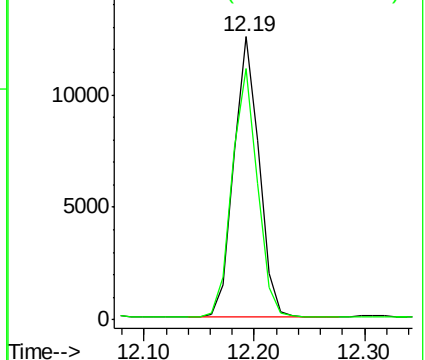
142 100

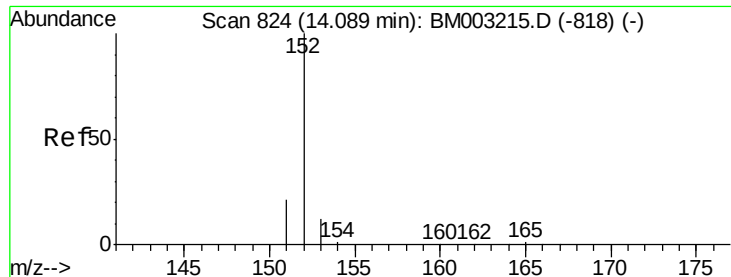
141 88.6 0.0 0.0#



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#9

Acenaphthylene

Concen: 0.72 ng/ul

RT: 14.09 min Scan# 824

Delta R.T. 0.00 min

Lab File: BM003223.D

Acq: 20 Nov 2015 16:20

Instrument :

BNA_M

ClientSampleId :

A4J45

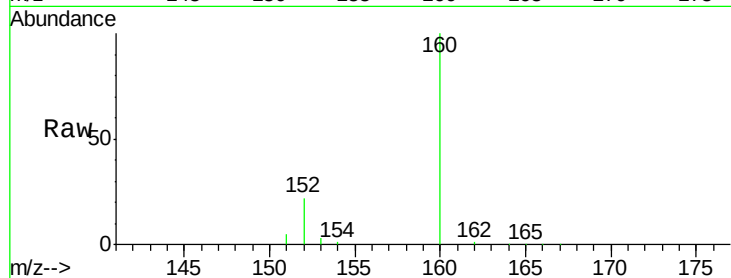
Tgt Ion:152 Resp: 106962

Ion Ratio Lower Upper

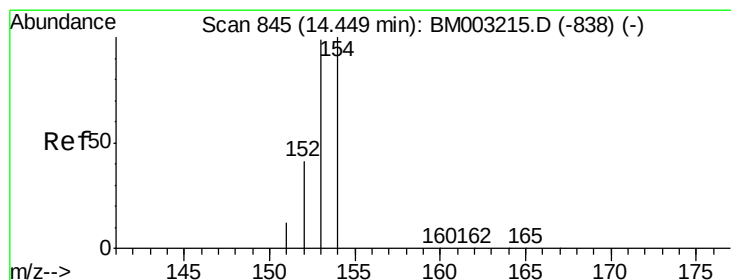
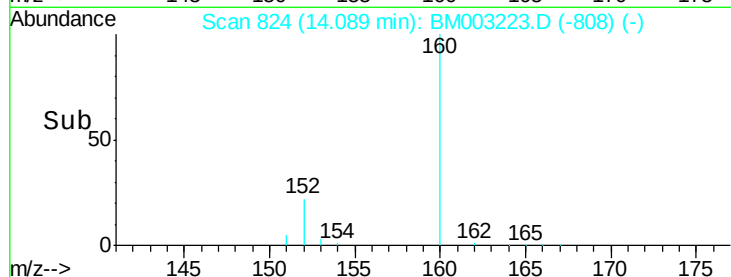
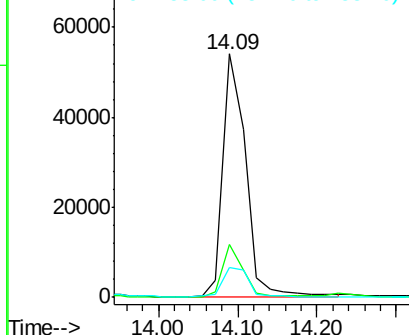
152 100

151 21.6 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: 0.23 ng/ul

RT: 14.43 min Scan# 844

Delta R.T. -0.02 min

Lab File: BM003223.D

Acq: 20 Nov 2015 16:20

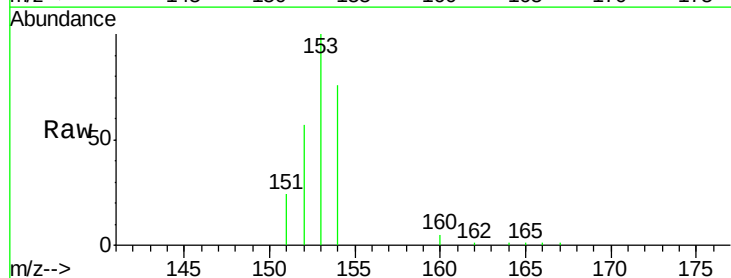
Tgt Ion:153 Resp: 29089

Ion Ratio Lower Upper

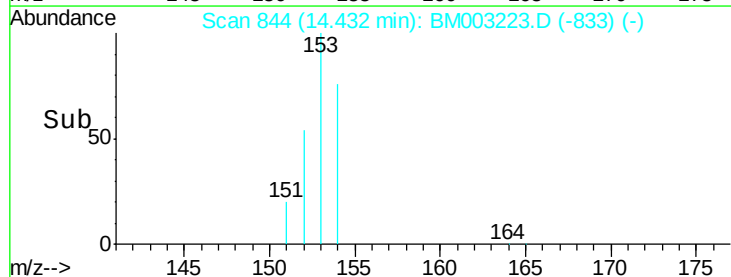
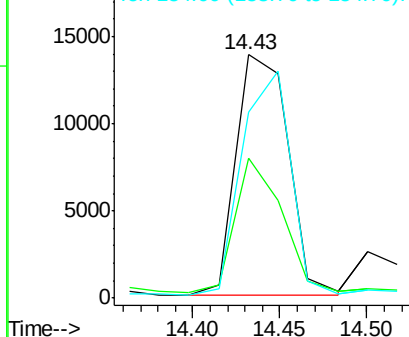
153 100

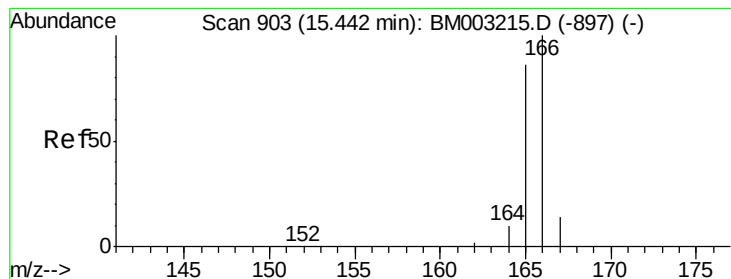
152 57.3 33.9 50.9#

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: 0.37 ng/ul

RT: 15.44 min Scan# 903

Delta R.T. 0.00 min

Lab File: BM003223.D

Acq: 20 Nov 2015 16:20

Instrument :

BNA_M

ClientSampleId :

A4J45

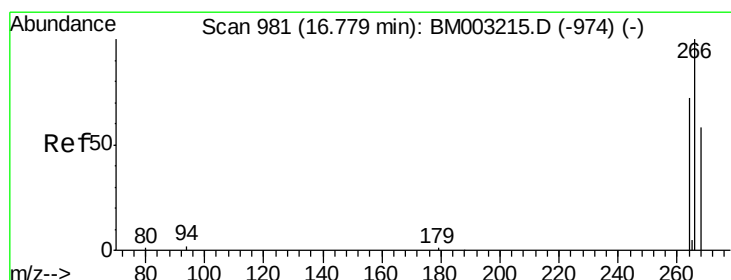
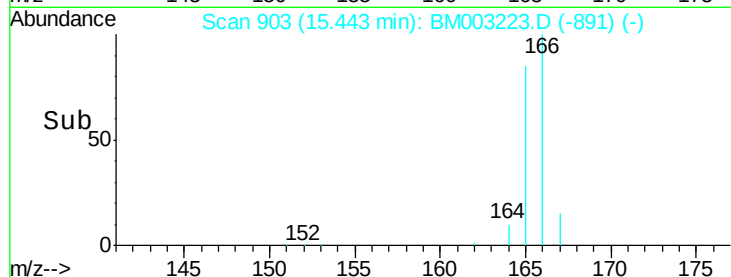
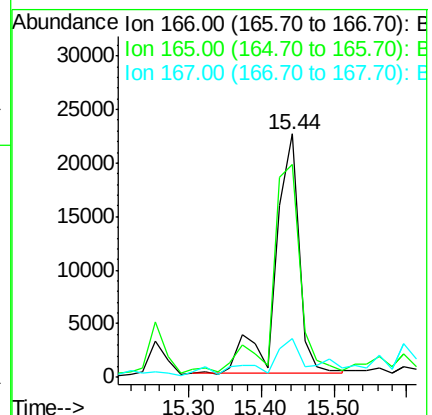
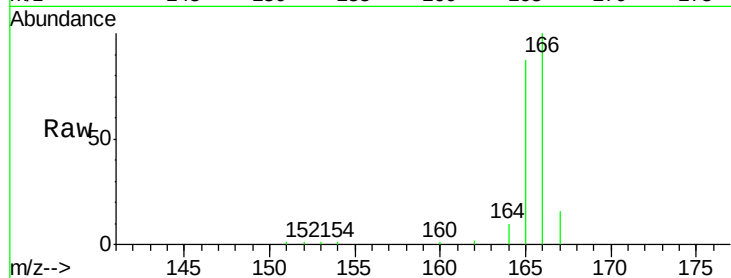
Tgt Ion:166 Resp: 50983

Ion Ratio Lower Upper

166 100

165 87.4 69.6 104.4

167 16.0 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: BM003223.D

Acq: 20 Nov 2015 16:20

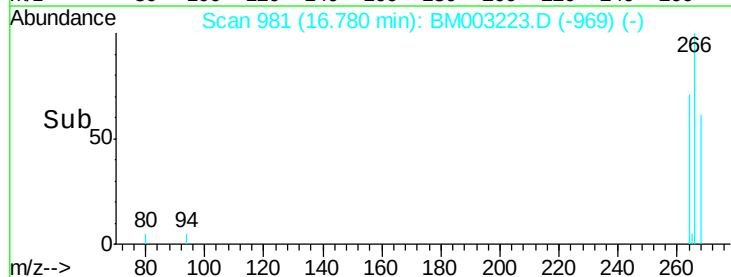
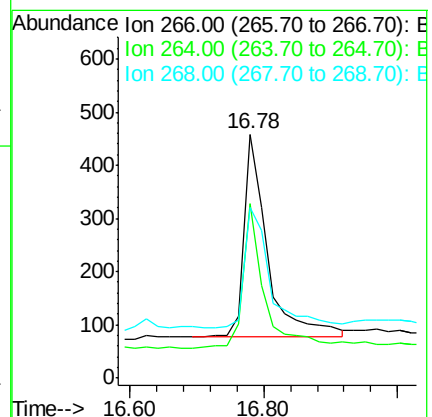
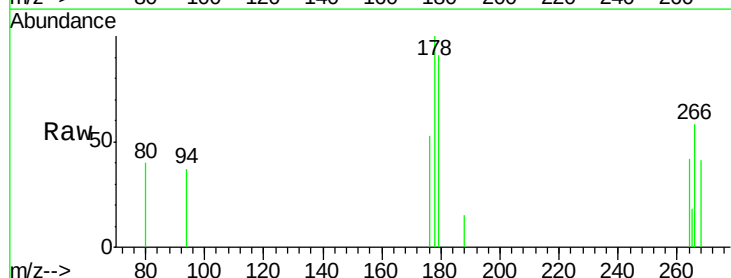
Tgt Ion:266 Resp: 926

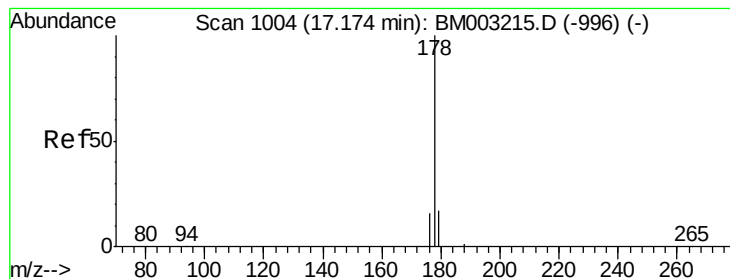
Ion Ratio Lower Upper

266 100

264 63.0 51.8 77.8

268 65.2 46.8 70.2





#14

Phenanthrene

Concen: 3.67 ng/ul

RT: 17.17 min Scan# 1004

Delta R.T. 0.00 min

Lab File: BM003223.D

Acq: 20 Nov 2015 16:20

Instrument :

BNA_M

ClientSampled :

A4J45

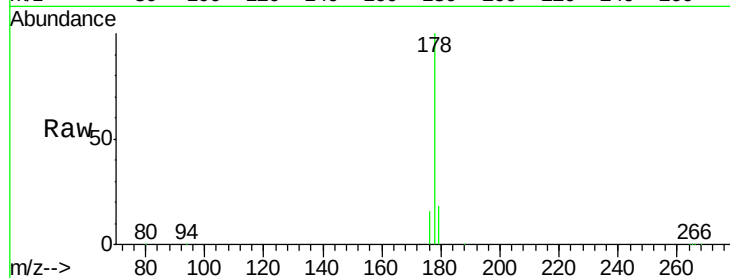
Tgt Ion:178 Resp: 787886

Ion Ratio Lower Upper

178 100

176 15.6 13.0 19.4

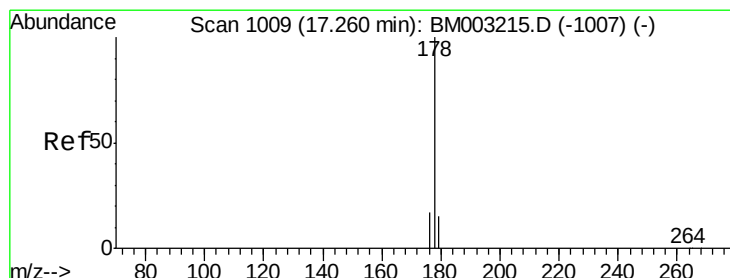
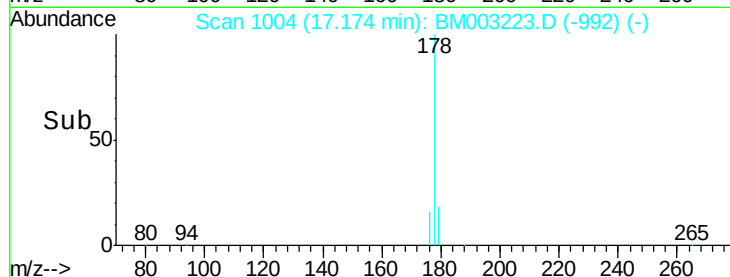
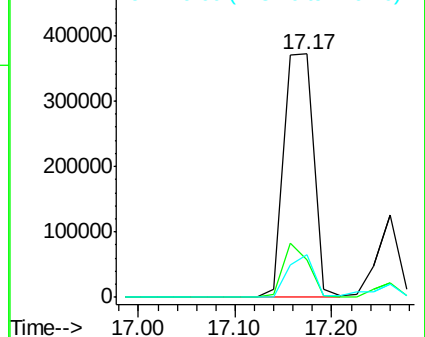
179 17.7 14.2 21.2



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: 1.12 ng/ul

RT: 17.26 min Scan# 1009

Delta R.T. 0.00 min

Lab File: BM003223.D

Acq: 20 Nov 2015 16:20

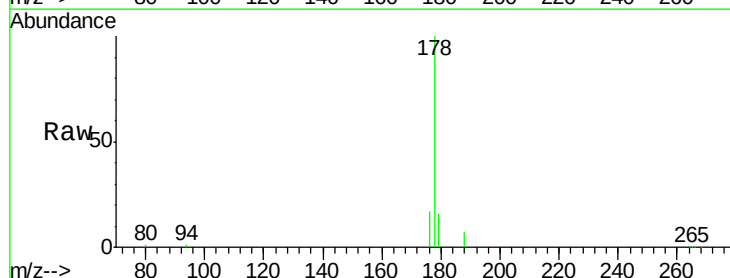
Tgt Ion:178 Resp: 201293

Ion Ratio Lower Upper

178 100

176 16.9 14.0 21.0

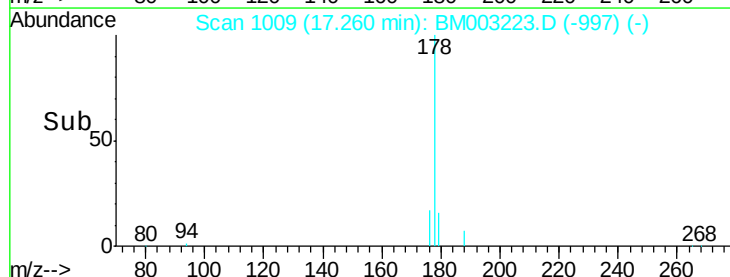
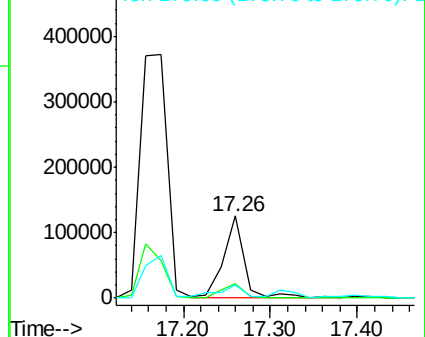
179 16.5 12.9 19.3

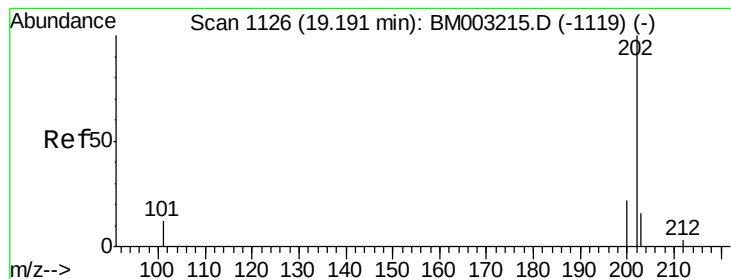


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#17

Fluoranthene

Concen: 6.57 ng/ul

RT: 19.19 min Scan# 1126

Delta R.T. 0.00 min

Lab File: BM003223.D

Acq: 20 Nov 2015 16:20

Instrument :

BNA_M

ClientSampleId :

A4J45

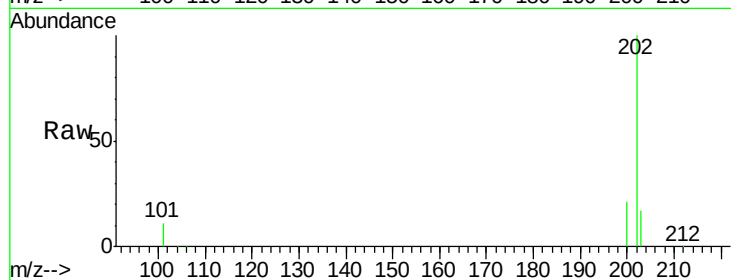
Tgt Ion:202 Resp: 1564133

Ion Ratio Lower Upper

202 100

101 11.1 0.0 29.6

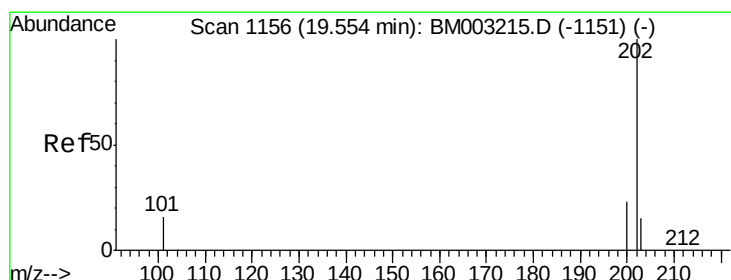
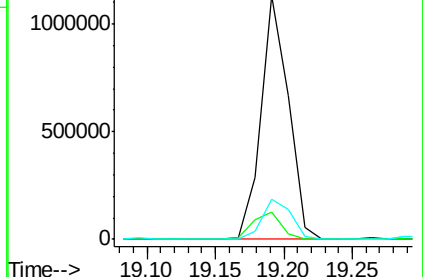
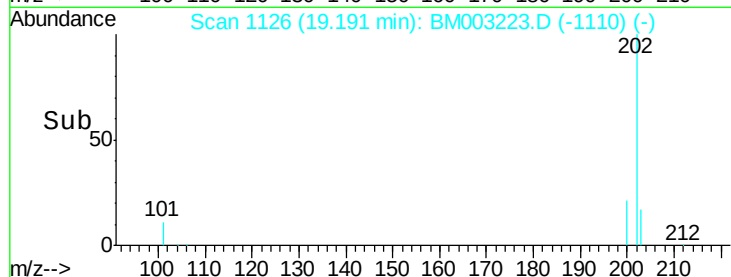
203 16.6 0.0 36.3



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: 5.72 ng/ul

RT: 19.55 min Scan# 1156

Delta R.T. 0.00 min

Lab File: BM003223.D

Acq: 20 Nov 2015 16:20

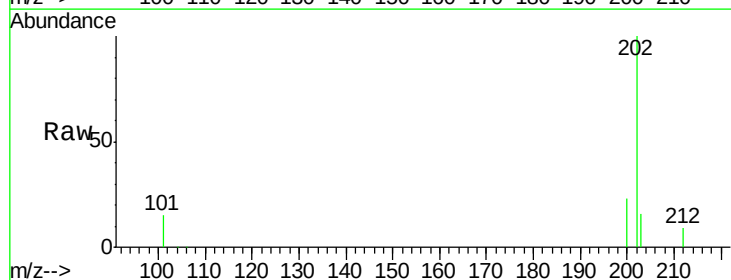
Tgt Ion:202 Resp: 1477122

Ion Ratio Lower Upper

202 100

200 23.0 17.8 26.8

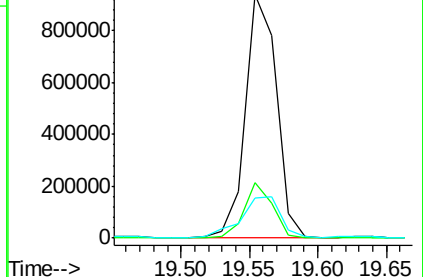
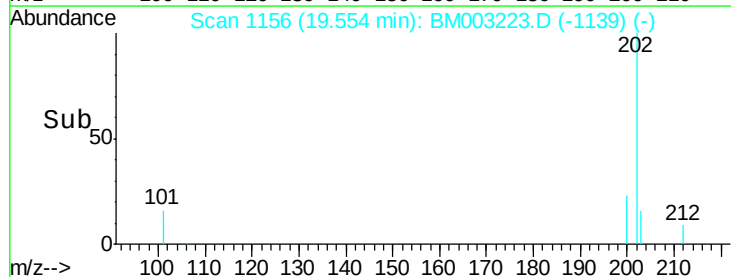
203 16.4 12.8 19.2

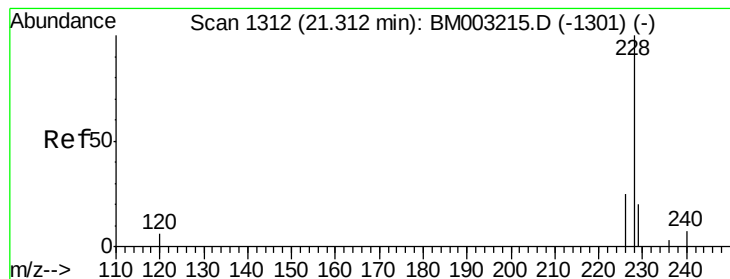


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#20

Benzo(a)anthracene

Concen: 3.55 ng/ul

RT: 21.31 min Scan# 1312

Delta R.T. 0.00 min

Lab File: BM003223.D

Acq: 20 Nov 2015 16:20

Instrument :

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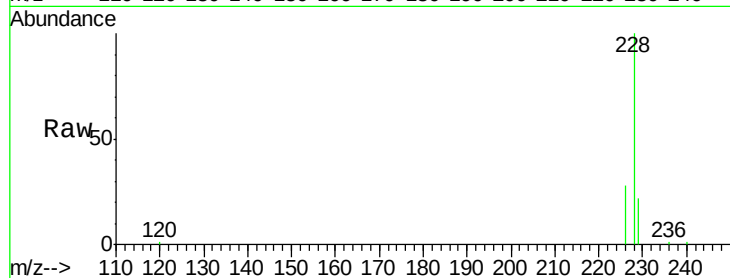
Tgt Ion:228 Resp: 774252

Ion Ratio Lower Upper

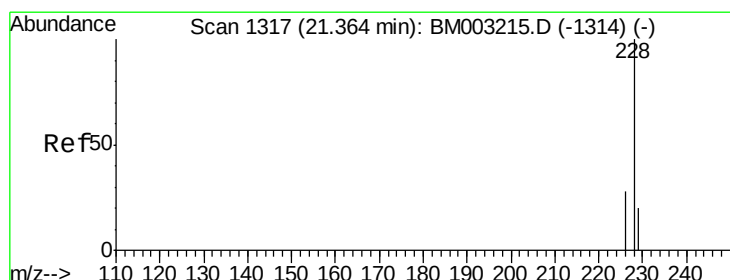
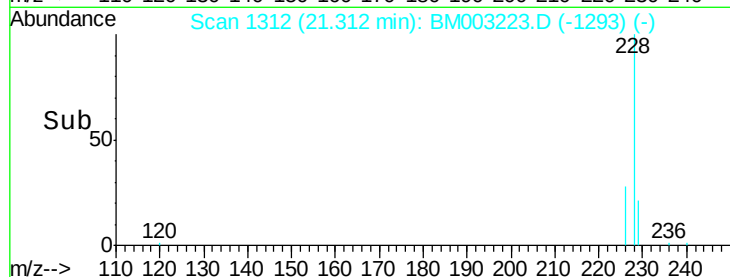
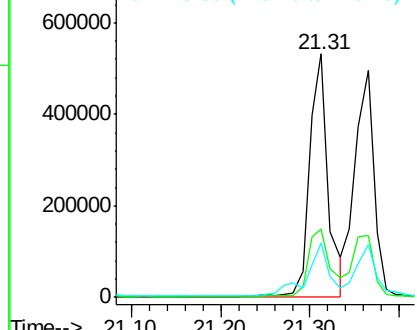
228 100

226 28.0 18.8 28.2

229 22.2 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: 2.97 ng/ul

RT: 21.36 min Scan# 1317

Delta R.T. 0.00 min

Lab File: BM003223.D

Acq: 20 Nov 2015 16:20

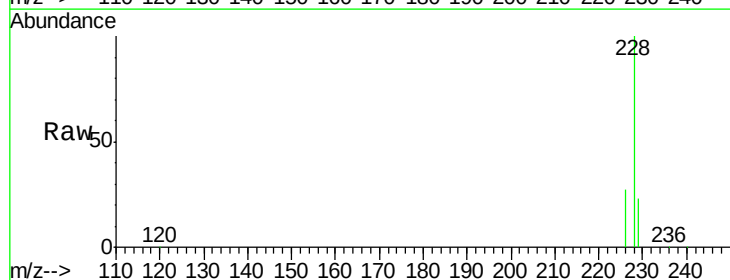
Tgt Ion:228 Resp: 730673

Ion Ratio Lower Upper

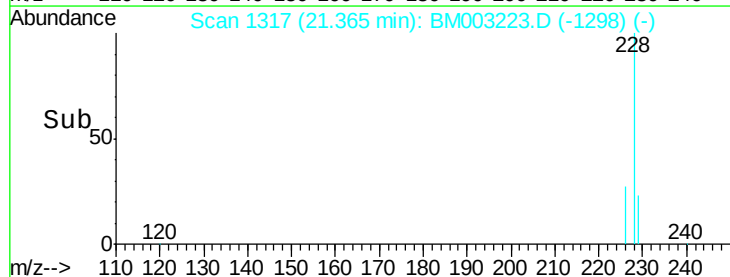
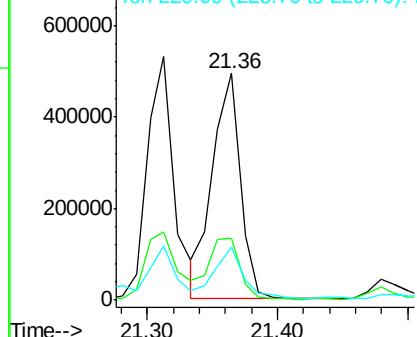
228 100

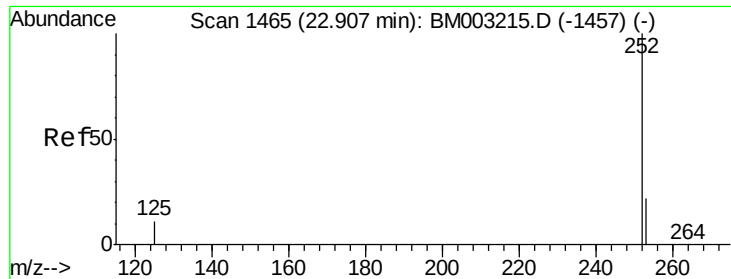
226 27.2 21.2 31.8

229 23.5 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: 4.74 ng/ul

RT: 22.91 min Scan# 1465

Delta R.T. 0.00 min

Lab File: BM003223.D

Acq: 20 Nov 2015 16:20

Instrument :

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ClientSampleId :

A4J45

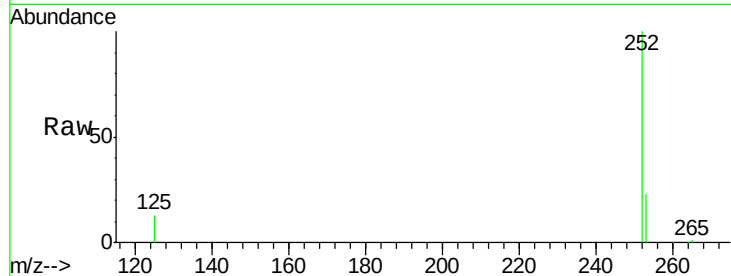
Tgt Ion:252 Resp: 1333633

Ion Ratio Lower Upper

252 100

253 22.9 0.0 45.4

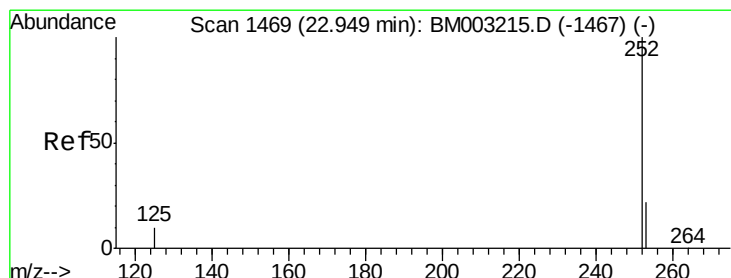
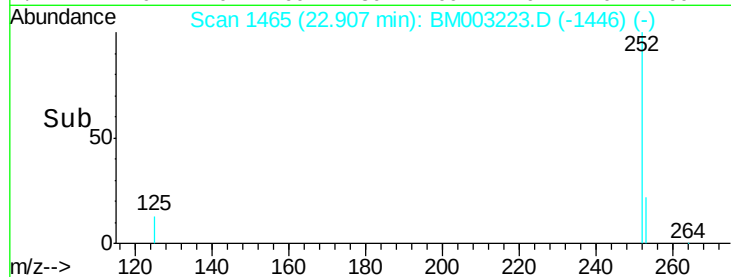
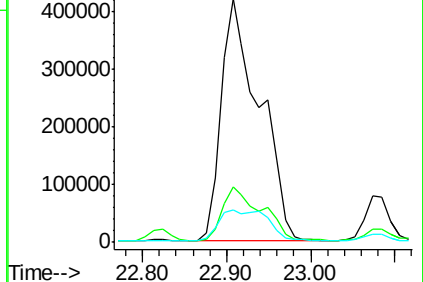
125 13.4 0.0 28.8



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: 5.01 ng/ul

RT: 22.91 min Scan# 1465

Delta R.T. -0.04 min

Lab File: BM003223.D

Acq: 20 Nov 2015 16:20

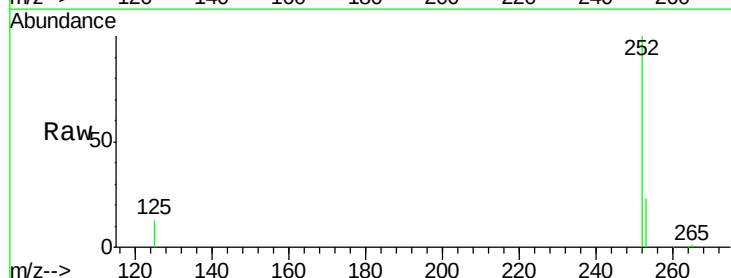
Tgt Ion:252 Resp: 1333633

Ion Ratio Lower Upper

252 100

253 22.9 19.8 29.8

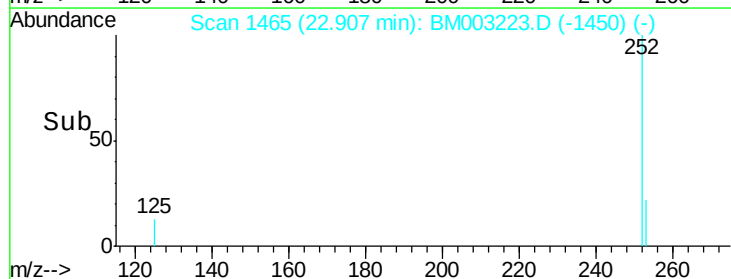
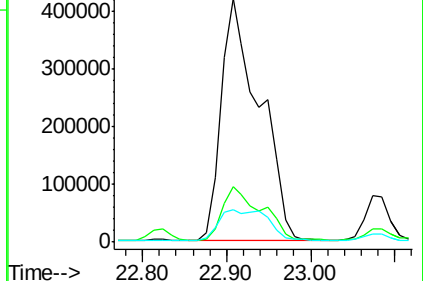
125 13.4 10.4 15.6

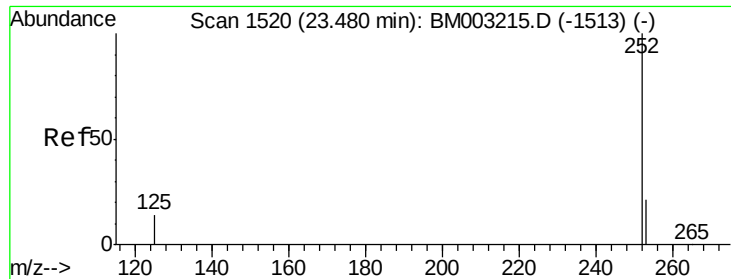


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#25

Benzo(a)pyrene

Concen: 1.82 ng/ul

RT: 23.39 min Scan# 1511

Delta R.T. -0.09 min

Lab File: BM003223.D

Acq: 20 Nov 2015 16:20

Instrument :

BNA_M

ClientSampleId :

A4J45

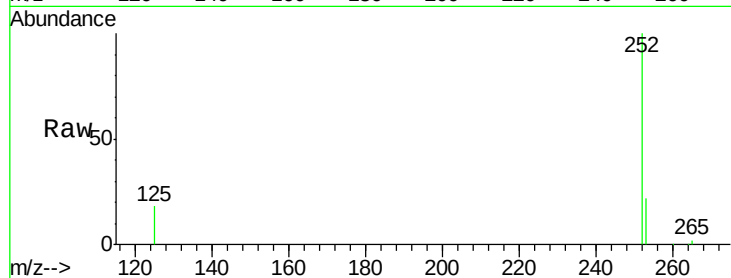
Tgt Ion:252 Resp: 454893

Ion Ratio Lower Upper

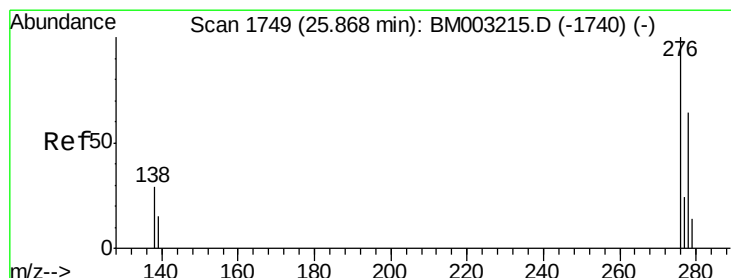
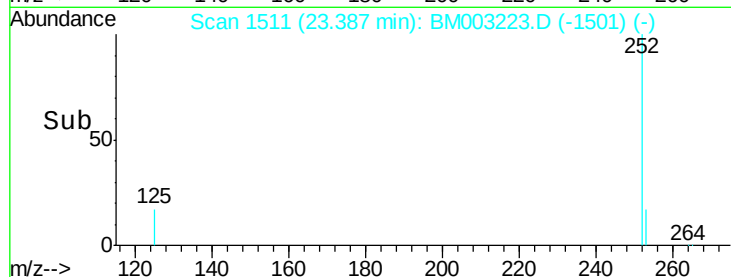
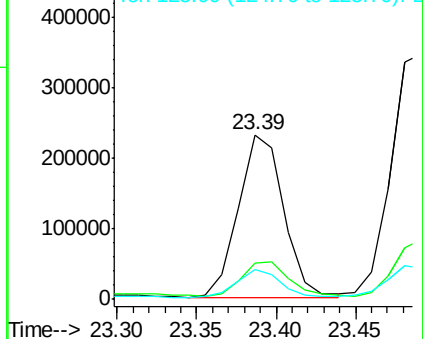
252 100

253 21.9 19.4 29.2

125 18.2 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: 1.54 ng/ul

RT: 25.87 min Scan# 1749

Delta R.T. 0.00 min

Lab File: BM003223.D

Acq: 20 Nov 2015 16:20

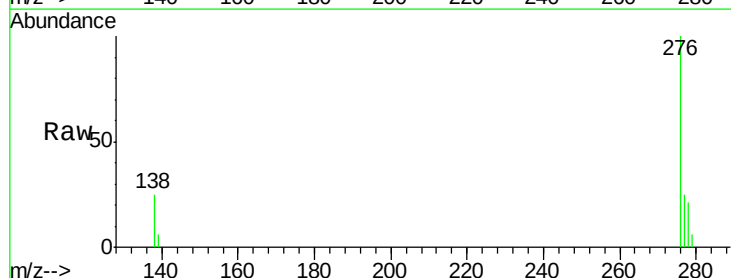
Tgt Ion:276 Resp: 461141

Ion Ratio Lower Upper

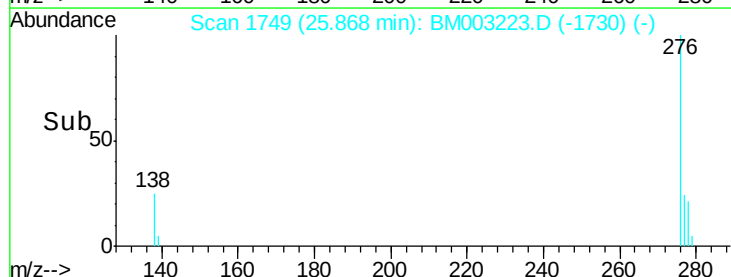
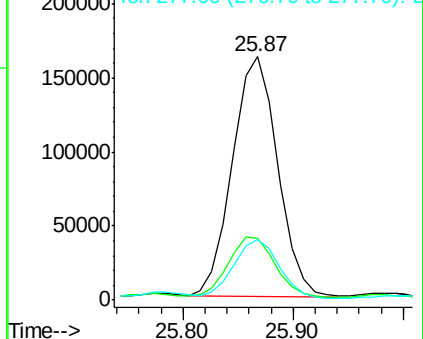
276 100

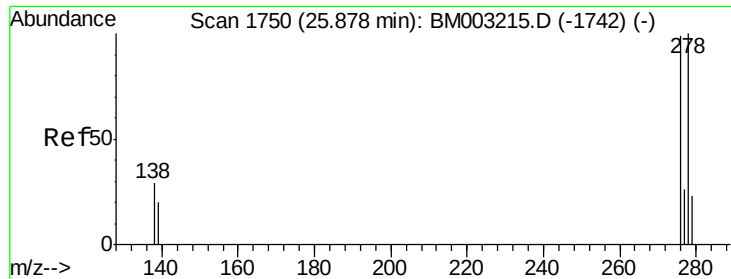
138 25.9 16.3 24.5#

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



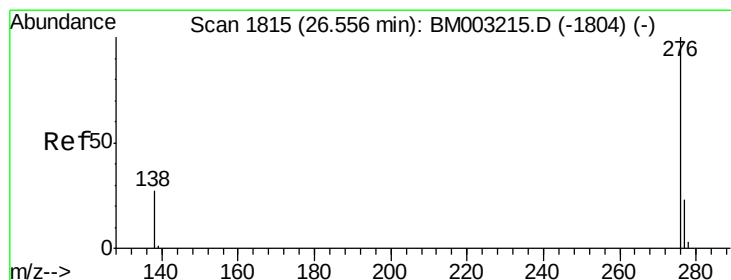
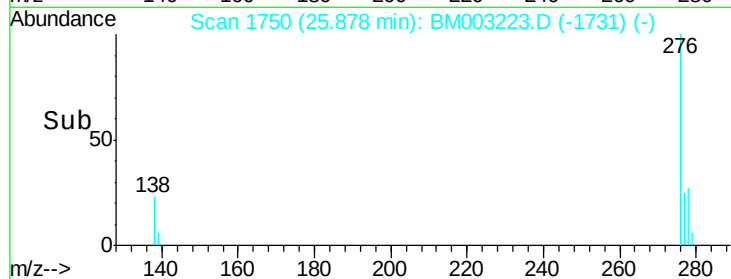
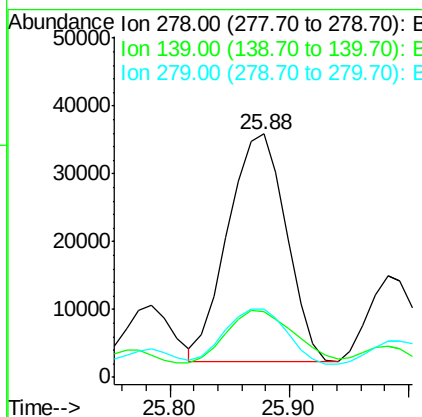
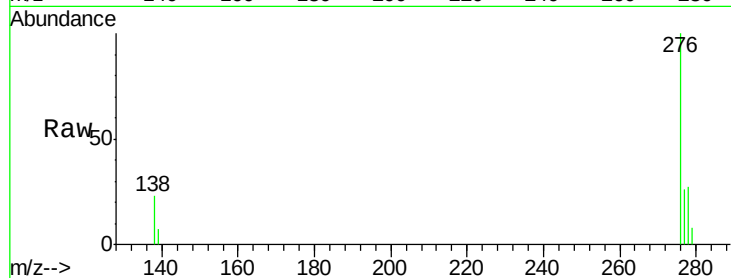


#27
Dibenzo(a,h)anthracene
Concen: 0.47 ng/ul
RT: 25.88 min Scan# 1750
Delta R.T. 0.00 min
Lab File: BM003223.D
Acq: 20 Nov 2015 16:20

Instrument :
BNA_M
ClientSampleId :
A4J45

Tgt Ion: 278 Resp: 113659

Ion	Ratio	Lower	Upper
278	100		
139	27.1	16.4	24.6#
279	28.2	20.2	30.2



#28
Benzo(g,h,i)perylene
Concen: 1.44 ng/ul
RT: 26.57 min Scan# 1816
Delta R.T. 0.01 min
Lab File: BM003223.D
Acq: 20 Nov 2015 16:20

Tgt Ion: 276 Resp: 377836

Ion	Ratio	Lower	Upper
276	100		
277	24.1	18.9	28.3
138	25.9	22.5	33.7

