

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM111815\
 Data File : BM003185.D
 Acq On : 19 Nov 2015 06:23
 Operator : UM/IZ
 Sample : G4323-12
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 A4HW3

Quant Time: Nov 19 07:17:35 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	26274	0.40	ng/ul	0.00
4) Naphthalene-d8	10.53	136	103614	0.40	ng/ul	0.00
8) Acenaphthene-d10	14.38	164	60440	0.40	ng/ul	0.00
12) Phenanthrene-d10	17.23	188	5063854	0.40	ng/ul	0.10
18) Chrysene-d12	21.32	240	180835	0.40	ng/ul	0.00
22) Perylene-d12	23.58	264	177312	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	116704	4.16	ng/uL	0.00
6) 2-Methylnaphthalene-d10	12.12	152	30253	0.21	ng/ul	0.00
16) Fluoranthene-d10	19.17	212	53607	0.00	ng/ul	0.00

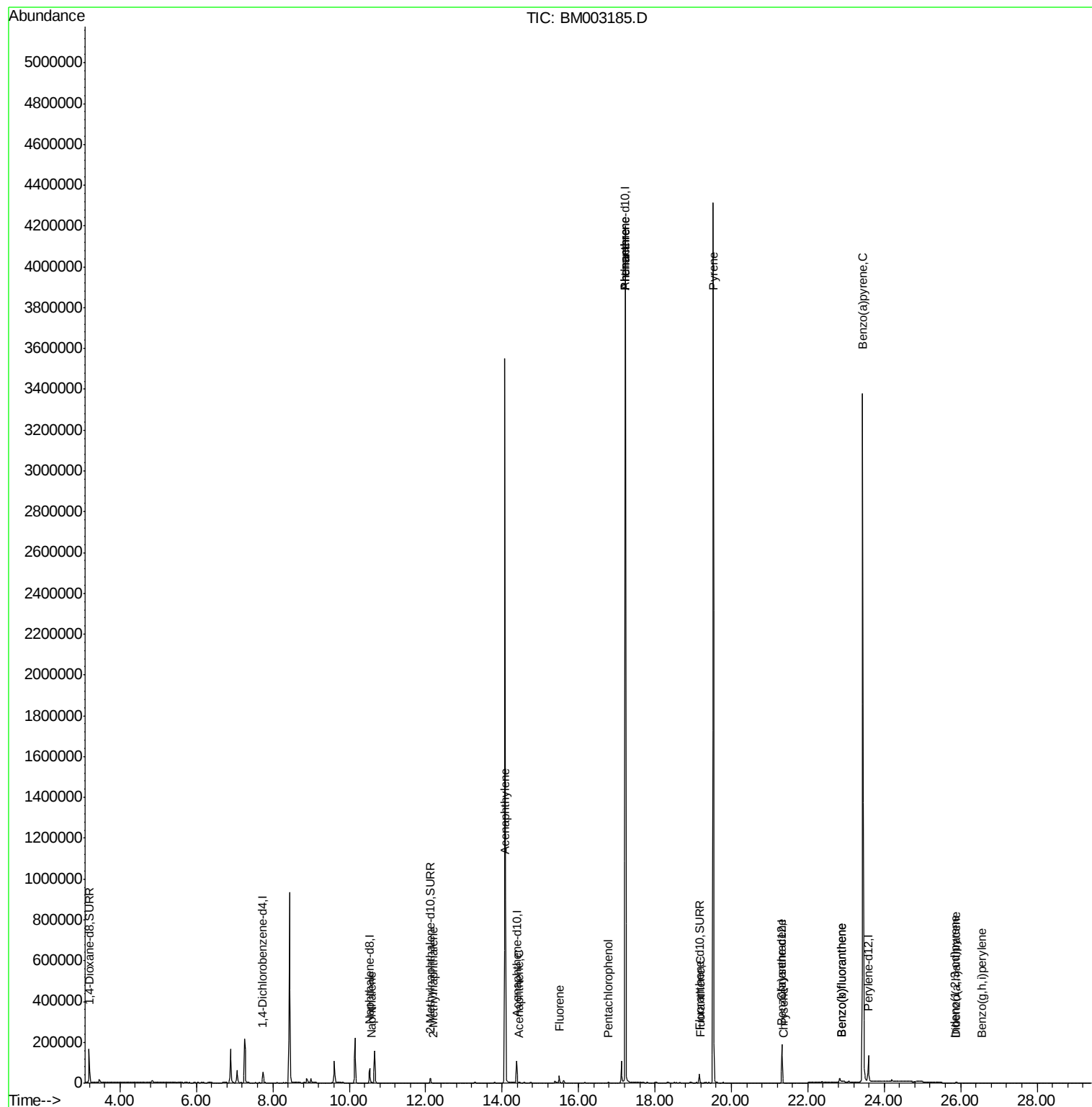
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Naphthalene	10.58	128	4071	0.02	ng/ul#	88
7) 2-Methylnaphthalene	12.19	142	483	0.00	ng/ul#	100
9) Acenaphthylene	14.09	152	700	0.00	ng/ul#	1
10) Acenaphthene	14.45	153	350	0.00	ng/ul#	80
11) Fluorene	15.49	166	488	0.00	ng/ul#	1
13) Pentachlorophenol	16.78	266	1096	0.00	ng/ul#	19
14) Phenanthrene	17.23	178	2592	0.00	ng/ul#	1
15) Anthracene	17.23	178	2374	0.00	ng/ul#	1
17) Fluoranthene	19.19	202	4090	0.00	ng/ul	84
19) Pyrene	19.53	202	11206	0.02	ng/ul#	1
20) Benzo(a)anthracene	21.31	228	1985	0.00	ng/ul#	80
21) Chrysene	21.35	228	1739	0.00	ng/ul#	78
23) Benzo(b)fluoranthene	22.90	252	3231	0.00	ng/ul#	1
24) Benzo(k)fluoranthene	22.90	252	3222	0.01	ng/ul#	1
25) Benzo(a)pyrene	23.44	252	20152	0.03	ng/ul#	70
26) Indeno(1,2,3-cd)pyrene	25.86	276	1151	0.00	ng/ul#	100
27) Dibenzo(a,h)anthracene	25.87	278	724	0.00	ng/ul#	1
28) Benzo(g,h,i)perylene	26.56	276	1242	0.00	ng/ul#	22

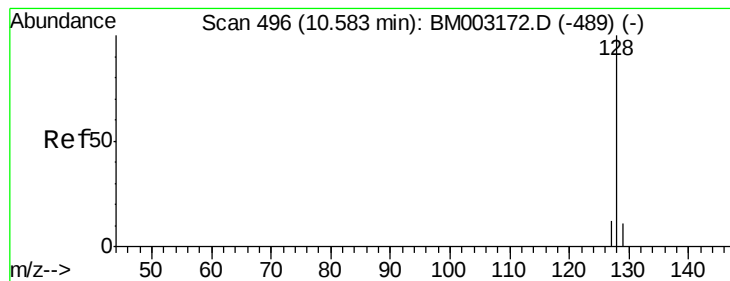
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#5

Naphthalene

Concen: 0.02 ng/ul

RT: 10.58 min Scan# 496

Delta R.T. 0.00 min

Lab File: BM003185.D

Acq: 19 Nov 2015 06:23

Instrument :

BNA_M

ClientSampleId :

A4HW3

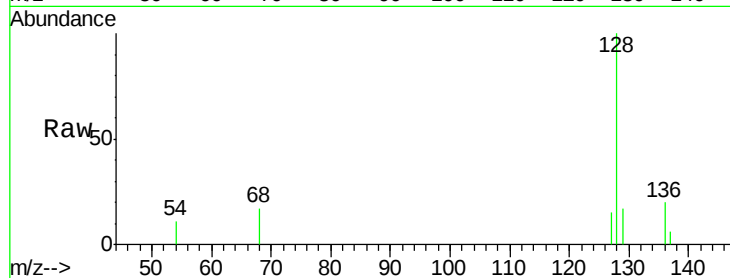
Tgt Ion:128 Resp: 4071

Ion Ratio Lower Upper

128 100

129 17.3 9.0 13.6#

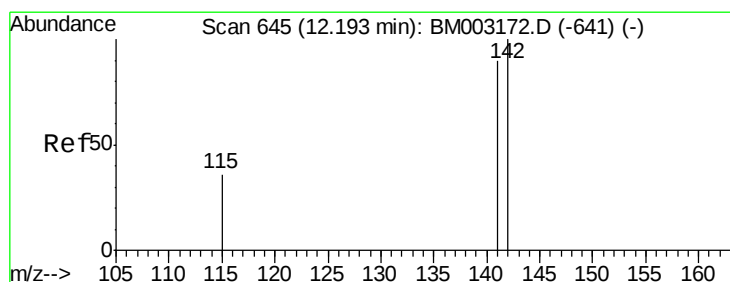
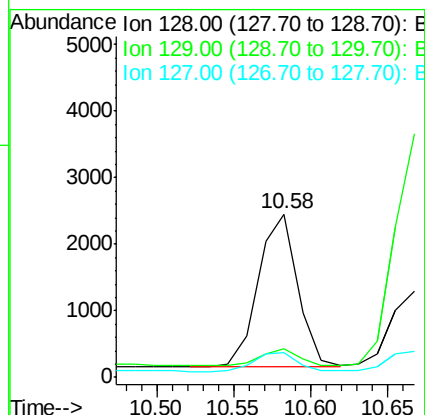
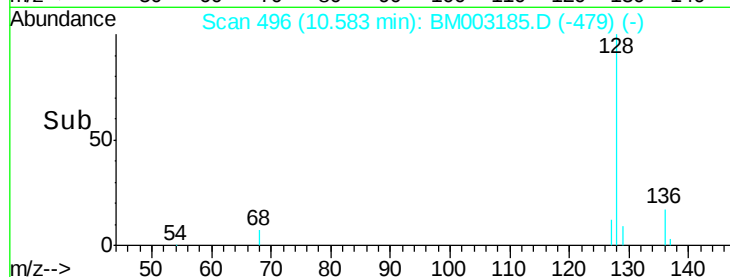
127 15.2 9.6 14.4#



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: BM003185.D

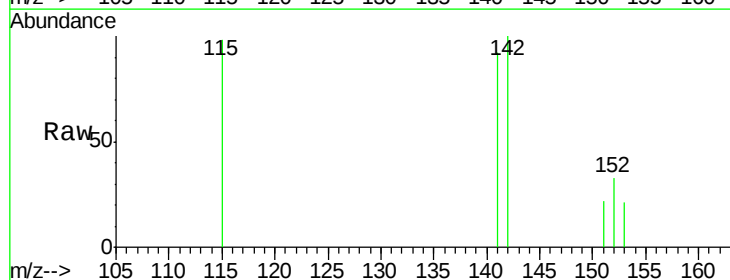
Acq: 19 Nov 2015 06:23

Tgt Ion:142 Resp: 483

Ion Ratio Lower Upper

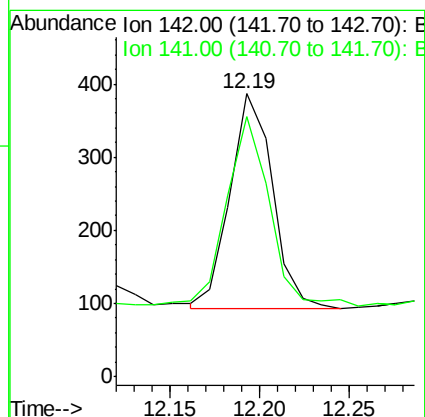
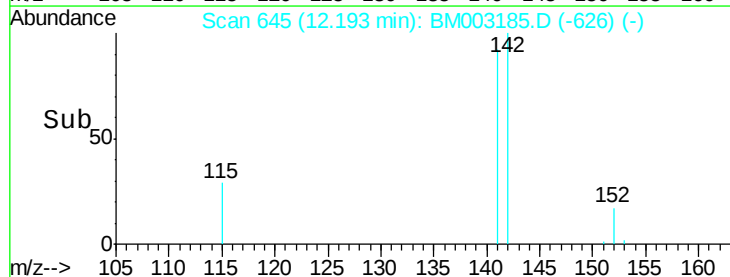
142 100

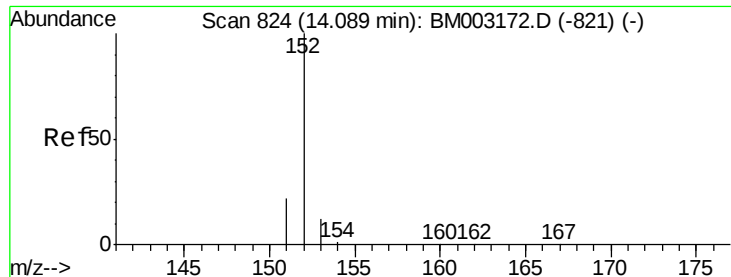
141 91.5 0.0 0.0#



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#9

Acenaphthylene

Concen: 0.00 ng/ul

RT: 14.09 min Scan# 824

Delta R.T. 0.00 min

Lab File: BM003185.D

Acq: 19 Nov 2015 06:23

Instrument :

BNA_M

ClientSampled :

A4HW3

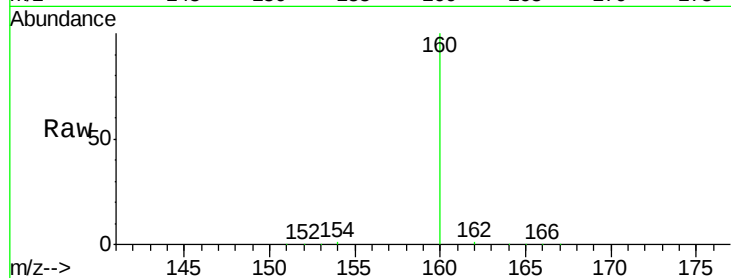
Tgt Ion:152 Resp: 700

Ion Ratio Lower Upper

152 100

151 56.7 17.6 26.4#

153 93.4 9.7 14.5#



Abundance Ion 152.00 (151.70 to 152.70): E

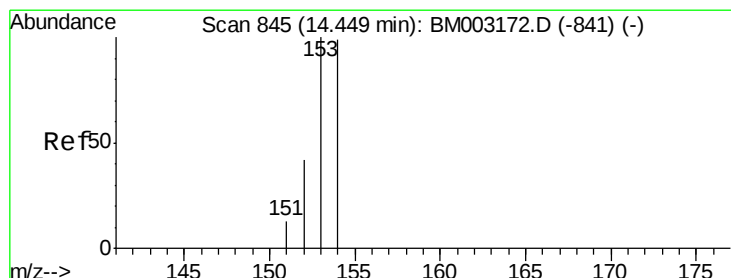
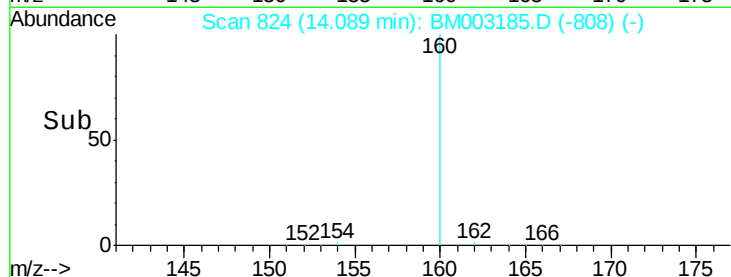
Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E

14.09

Time-->

14.00 14.10 14.20



#10

Acenaphthene

Concen: 0.00 ng/ul

RT: 14.45 min Scan# 845

Delta R.T. 0.00 min

Lab File: BM003185.D

Acq: 19 Nov 2015 06:23

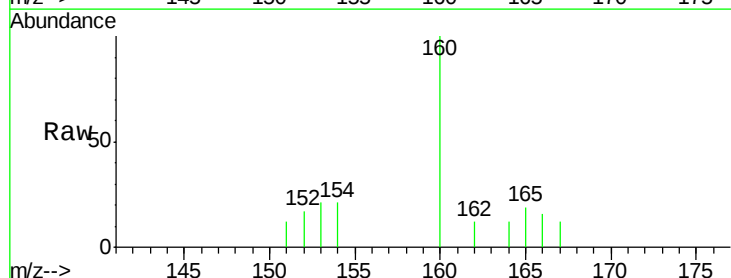
Tgt Ion:153 Resp: 350

Ion Ratio Lower Upper

153 100

152 80.9 33.9 50.9#

154 98.3 80.6 121.0



Abundance Ion 153.00 (152.70 to 153.70): E

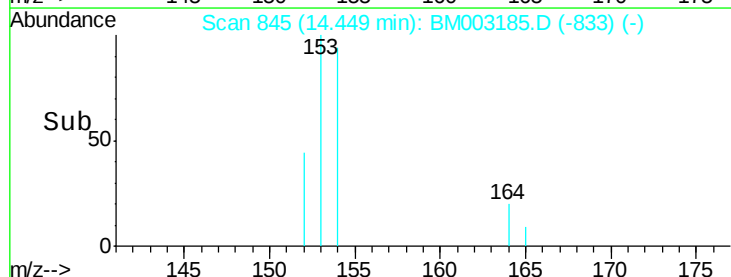
Ion 152.00 (151.70 to 152.70): E

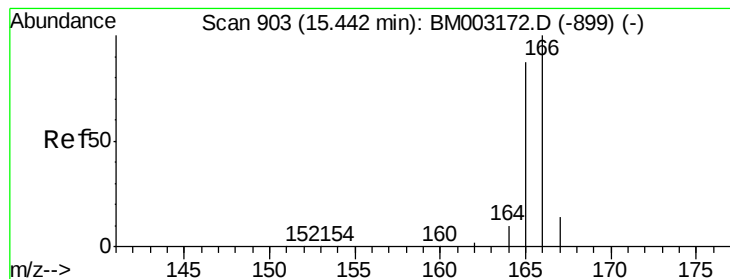
Ion 154.00 (153.70 to 154.70): E

14.45

Time-->

14.40 14.45 14.50





#11

Fluorene

Concen: 0.00 ng/ul

RT: 15.49 min Scan# 906

Delta R.T. 0.05 min

Lab File: BM003185.D

Acq: 19 Nov 2015 06:23

Instrument :

BNA_M

ClientSampleId :

A4HW3

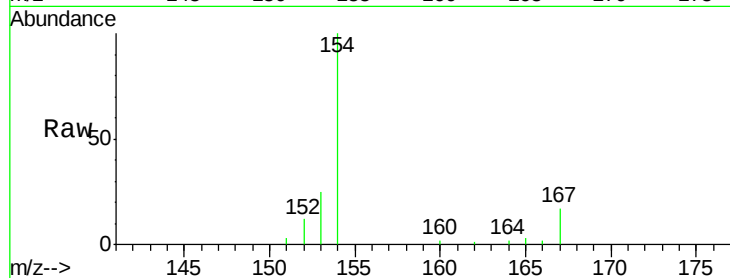
Tgt Ion:166 Resp: 488

Ion Ratio Lower Upper

166 100

165 150.7 69.6 104.4#

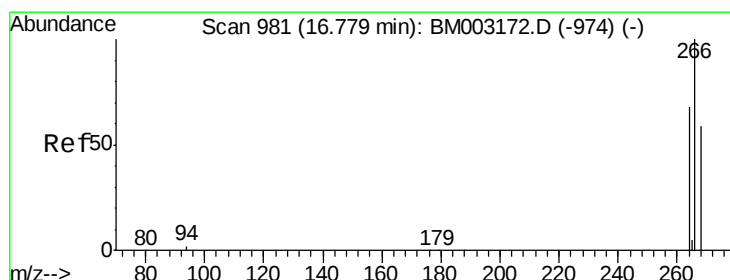
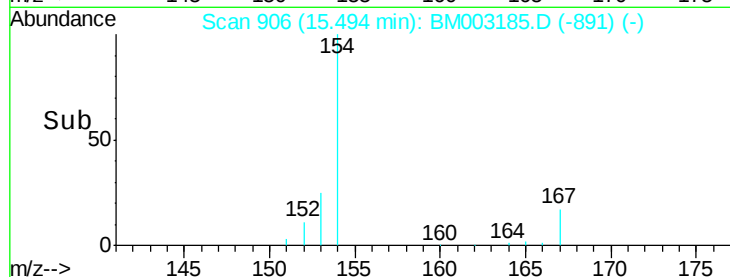
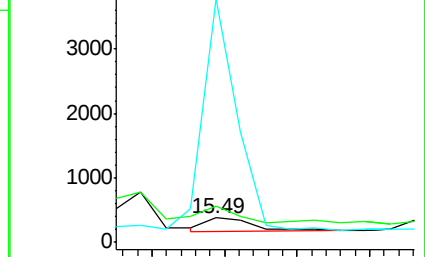
167 1001.9 11.9 17.9#



Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E



#13

Pentachlorophenol

Concen: 0.00 ng/ul

RT: 16.78 min Scan# 981

Delta R.T. 0.00 min

Lab File: BM003185.D

Acq: 19 Nov 2015 06:23

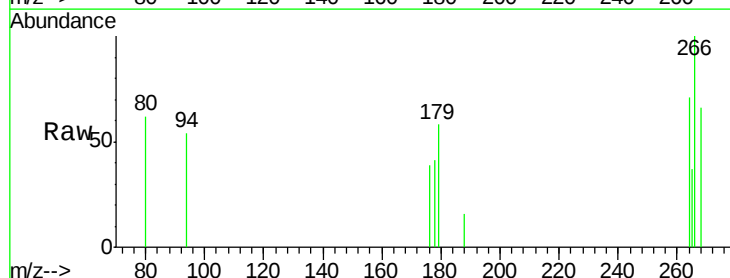
Tgt Ion:266 Resp: 1096

Ion Ratio Lower Upper

266 100

264 61.1 0.3 0.5#

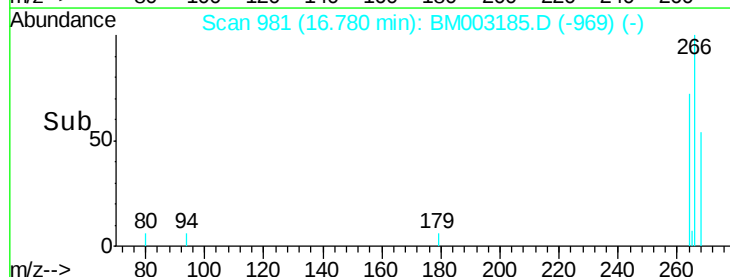
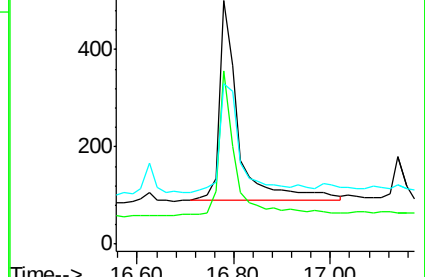
268 63.4 0.0 0.0#

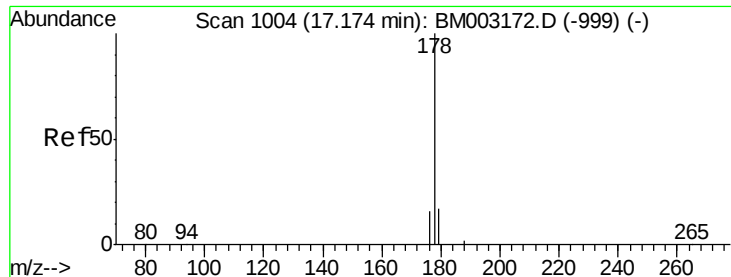


Abundance Ion 266.00 (265.70 to 266.70): E

Ion 264.00 (263.70 to 264.70): E

Ion 268.00 (267.70 to 268.70): E





#14

Phenanthrene

Concen: 0.00 ng/ul

RT: 17.23 min Scan# 1007

Delta R.T. 0.05 min

Lab File: BM003185.D

Acq: 19 Nov 2015 06:23

Instrument :

BNA_M

ClientSampleId :

A4HW3

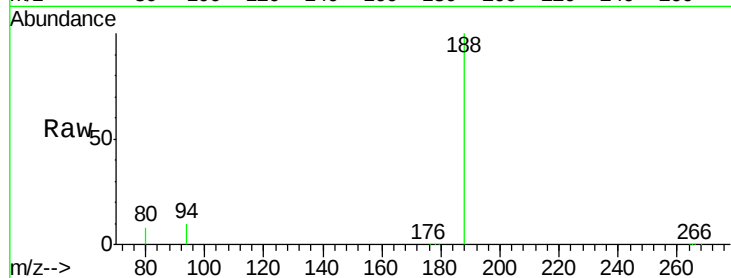
Tgt Ion:178 Resp: 2592

Ion Ratio Lower Upper

178 100

176 13.2 13.0 19.4

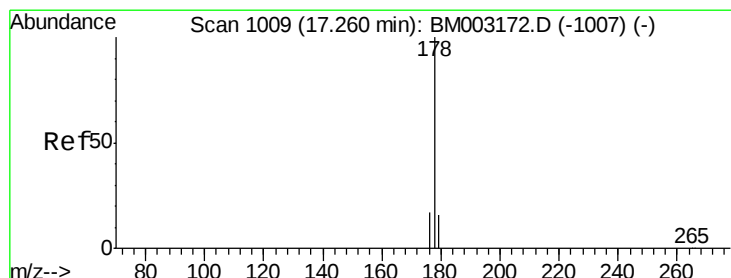
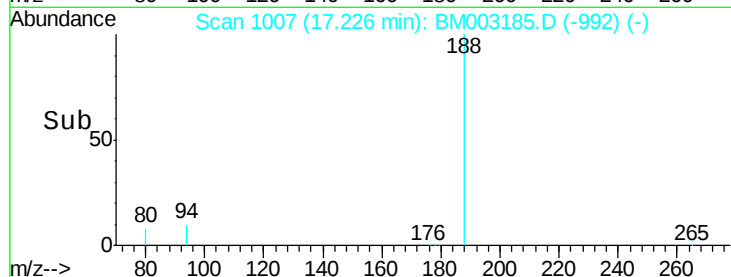
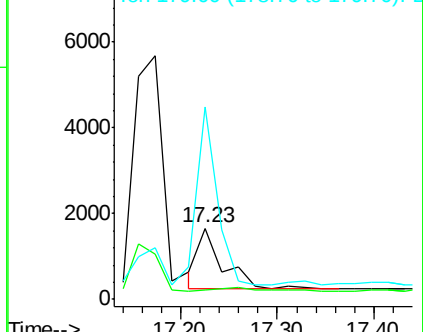
179 271.8 14.2 21.2#



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: 0.00 ng/ul

RT: 17.23 min Scan# 1007

Delta R.T. -0.03 min

Lab File: BM003185.D

Acq: 19 Nov 2015 06:23

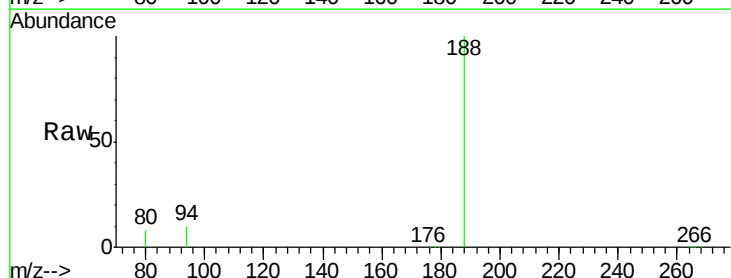
Tgt Ion:178 Resp: 2374

Ion Ratio Lower Upper

178 100

176 13.2 14.0 21.0#

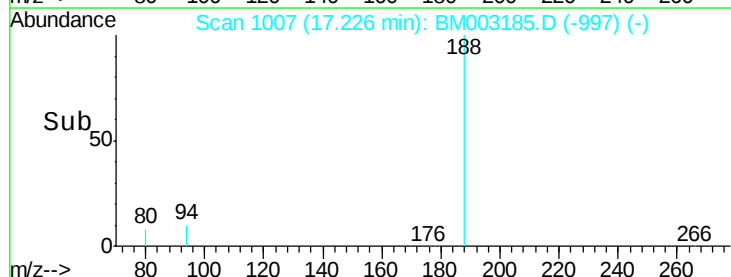
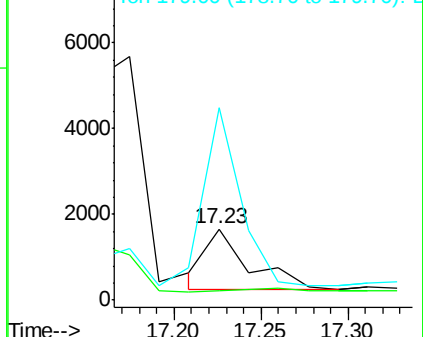
179 271.8 12.9 19.3#

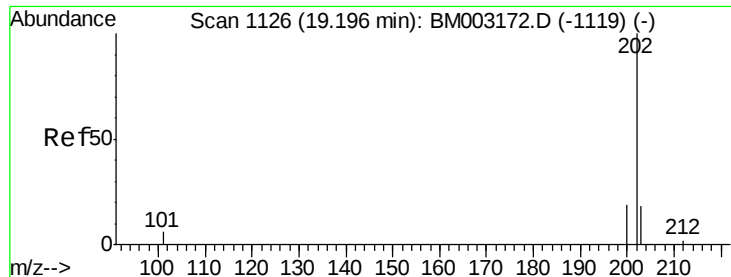


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#17

Fluoranthene

Concen: 0.00 ng/ul

RT: 19.19 min Scan# 1126

Delta R.T. -0.00 min

Lab File: BM003185.D

Acq: 19 Nov 2015 06:23

Instrument :

BNA_M

ClientSampleId :

A4HW3

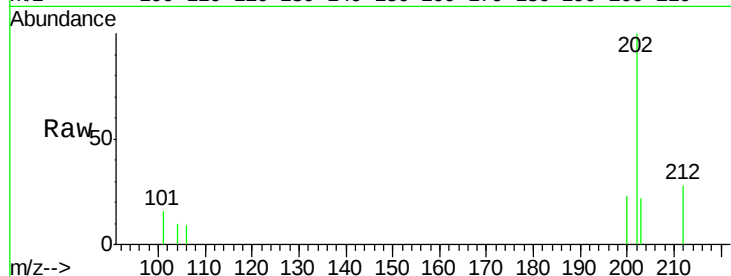
Tgt Ion:202 Resp: 4090

Ion Ratio Lower Upper

202 100

101 16.4 0.0 29.6

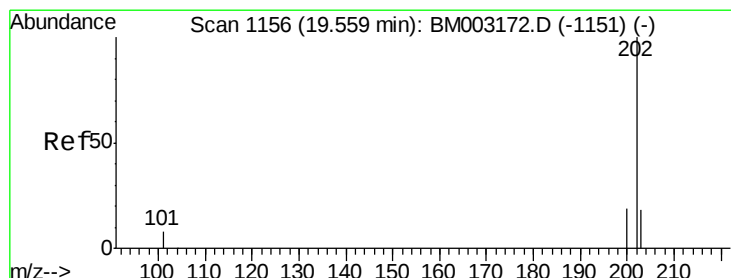
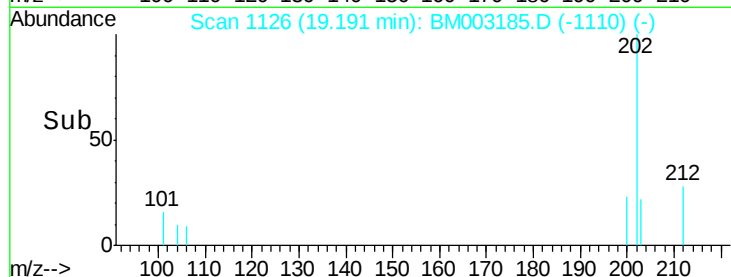
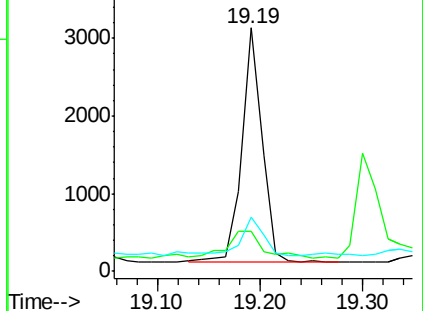
203 22.3 0.0 36.3



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: 19.53 min Scan# 1154

Delta R.T. -0.03 min

Lab File: BM003185.D

Acq: 19 Nov 2015 06:23

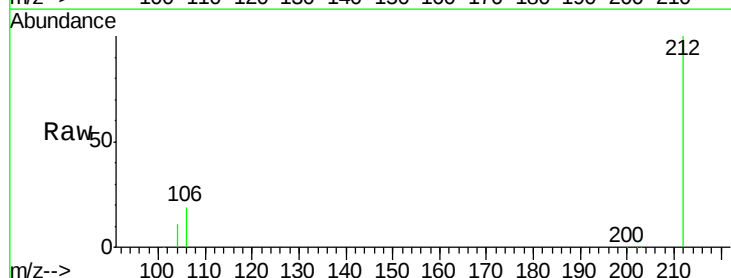
Tgt Ion:202 Resp: 11206

Ion Ratio Lower Upper

202 100

200 4.3 17.8 26.8#

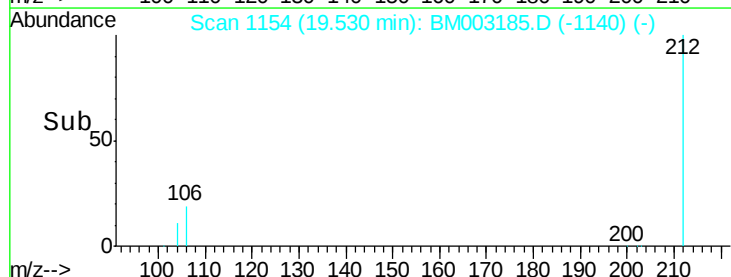
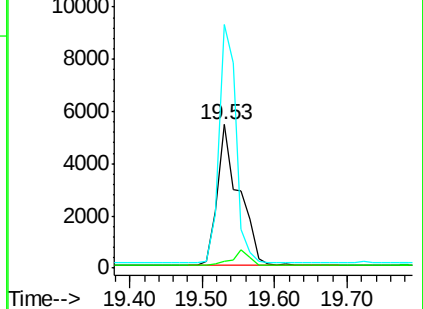
203 169.8 12.8 19.2#

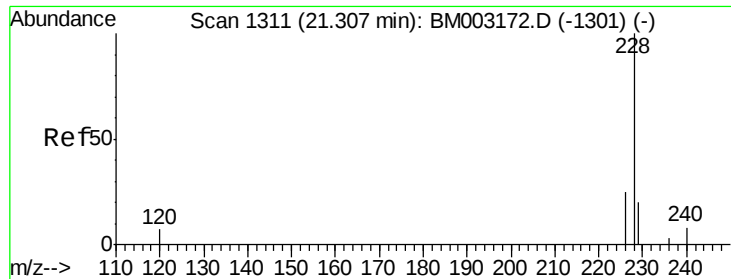


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#20

Benzo(a)anthracene

Concen: 0.00 ng/u1

RT: 21.31 min Scan# 1312

Delta R.T. 0.01 min

Lab File: BM003185.D

Acq: 19 Nov 2015 06:23

Instrument :

BNA_M

ClientSampleId :

A4HW3

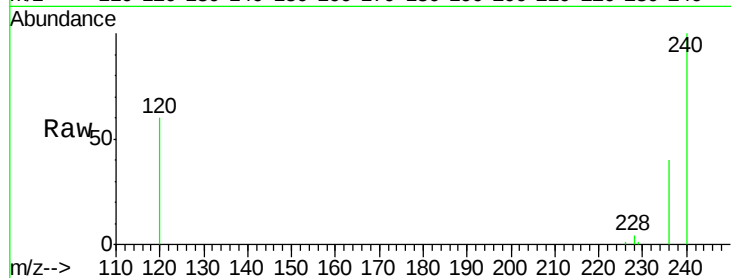
Tgt Ion:228 Resp: 1985

Ion Ratio Lower Upper

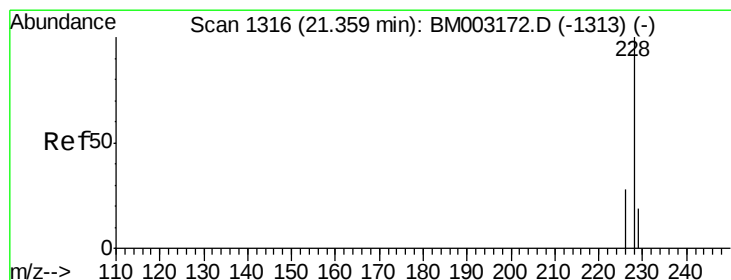
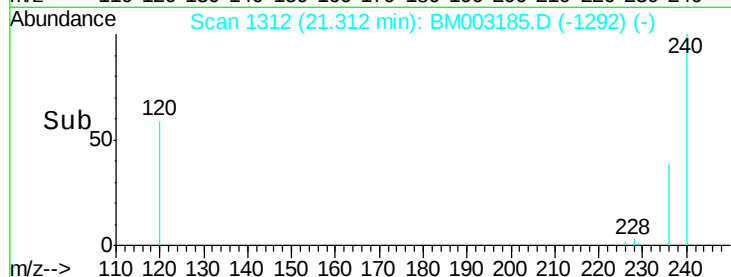
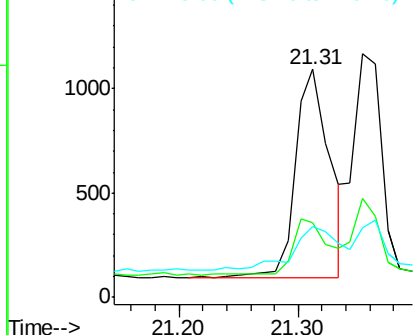
228 100

226 32.7 18.8 28.2#

229 31.3 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: 0.00 ng/u1

RT: 21.35 min Scan# 1316

Delta R.T. -0.00 min

Lab File: BM003185.D

Acq: 19 Nov 2015 06:23

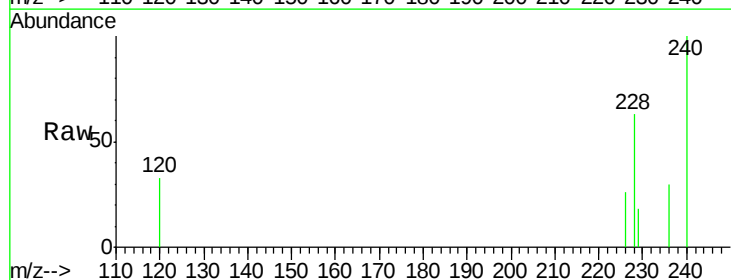
Tgt Ion:228 Resp: 1739

Ion Ratio Lower Upper

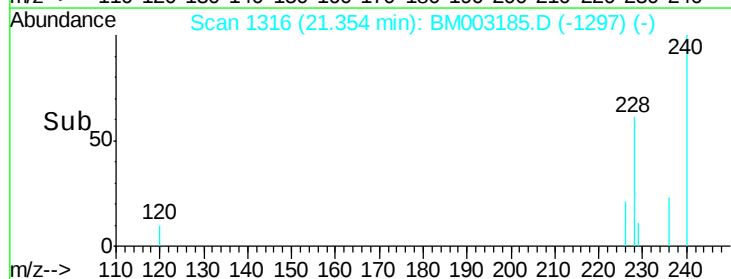
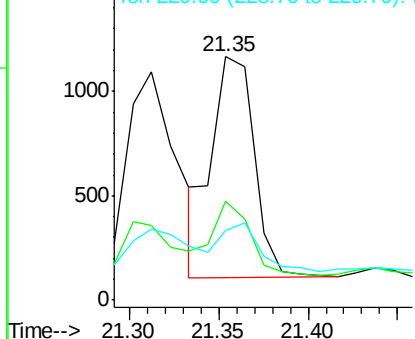
228 100

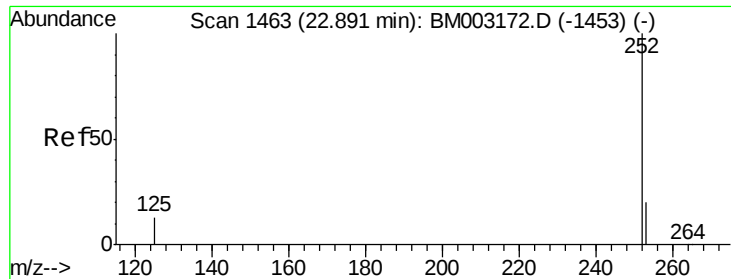
226 40.5 21.2 31.8#

229 28.8 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: 0.00 ng/u1

RT: 22.90 min Scan# 1464

Delta R.T. 0.01 min

Lab File: BM003185.D

Acq: 19 Nov 2015 06:23

Instrument :

BNA_M

ClientSampleId :

A4HW3

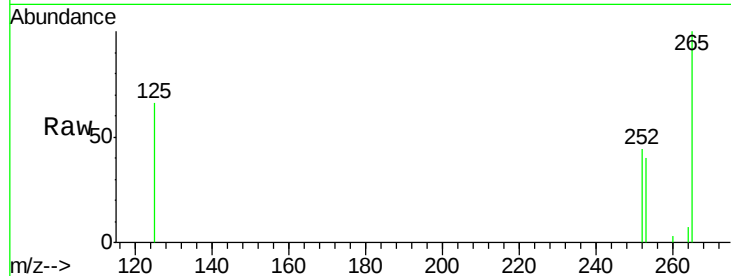
Tgt Ion:252 Resp: 3231

Ion Ratio Lower Upper

252 100

253 89.5 0.0 45.4#

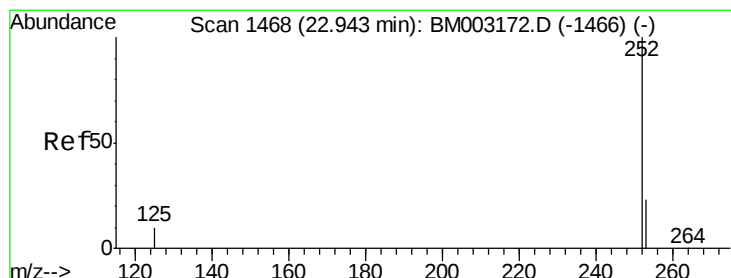
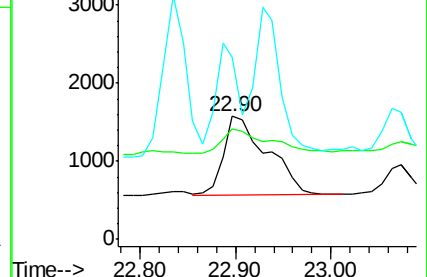
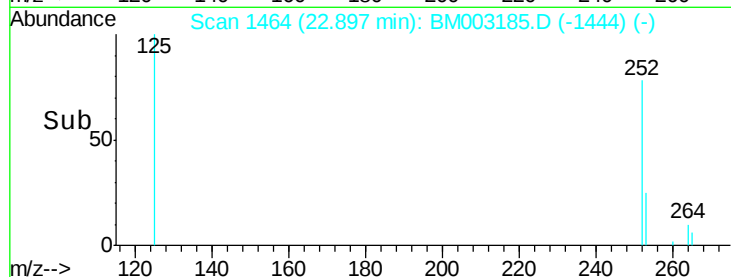
125 148.7 0.0 28.8#



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: 0.01 ng/u1

RT: 22.90 min Scan# 1464

Delta R.T. -0.05 min

Lab File: BM003185.D

Acq: 19 Nov 2015 06:23

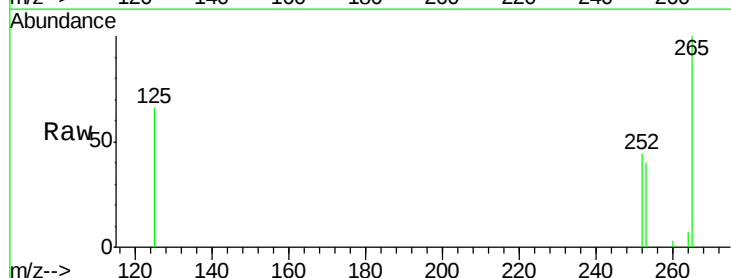
Tgt Ion:252 Resp: 3222

Ion Ratio Lower Upper

252 100

253 89.5 19.8 29.8#

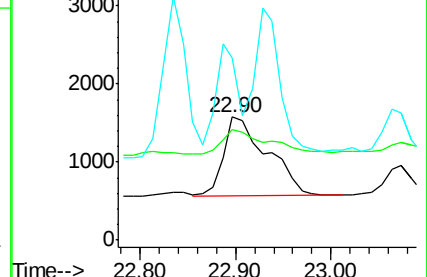
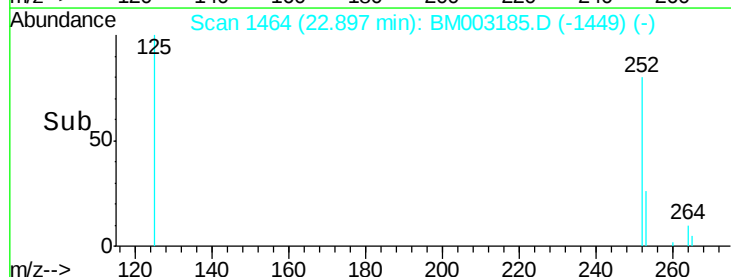
125 148.7 10.4 15.6#

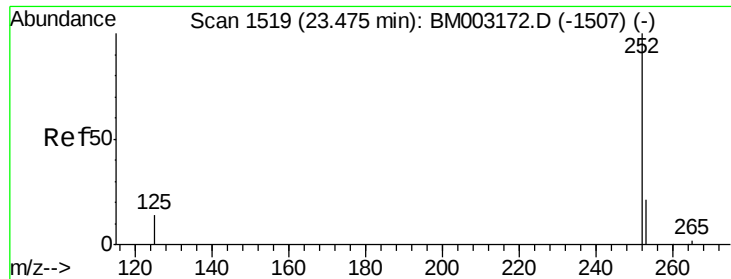


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#25

Benzo(a)pyrene

Concen: 0.03 ng/u1

RT: 23.44 min Scan# 1516

Delta R.T. -0.04 min

Lab File: BM003185.D

Acq: 19 Nov 2015 06:23

Instrument :

BNA_M

ClientSampleId :

A4HW3

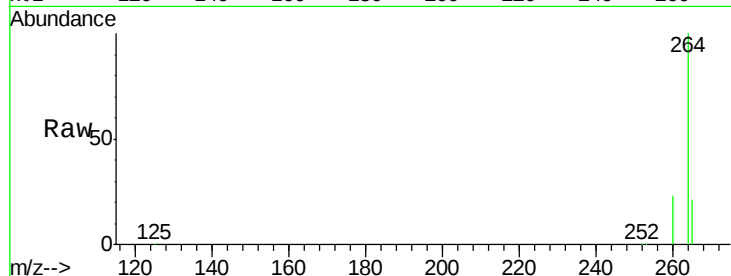
Tgt Ion:252 Resp: 20152

Ion Ratio Lower Upper

252 100

253 36.4 19.4 29.2#

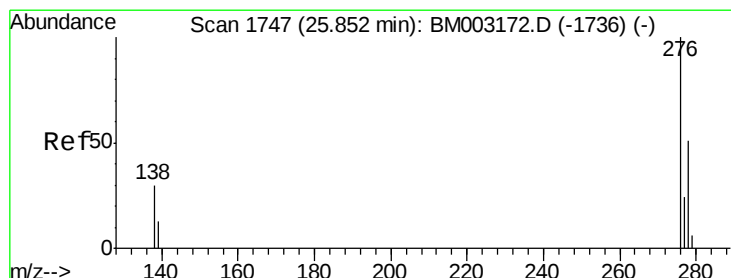
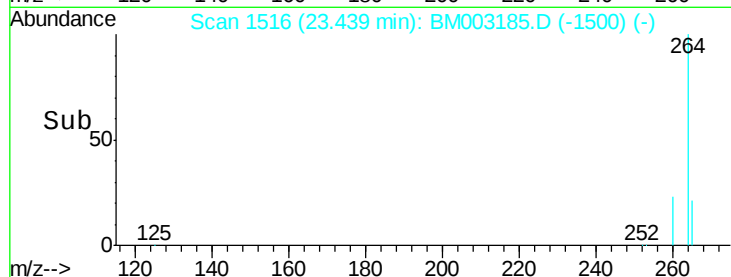
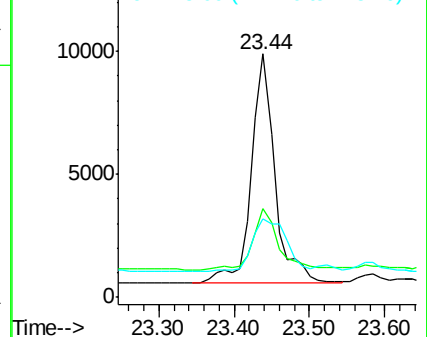
125 32.2 12.7 19.1#



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: 0.00 ng/u1

RT: 25.86 min Scan# 1748

Delta R.T. 0.01 min

Lab File: BM003185.D

Acq: 19 Nov 2015 06:23

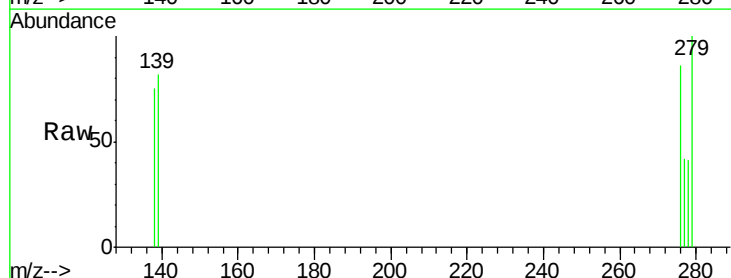
Tgt Ion:276 Resp: 1151

Ion Ratio Lower Upper

276 100

138 0.0 0.0 0.0

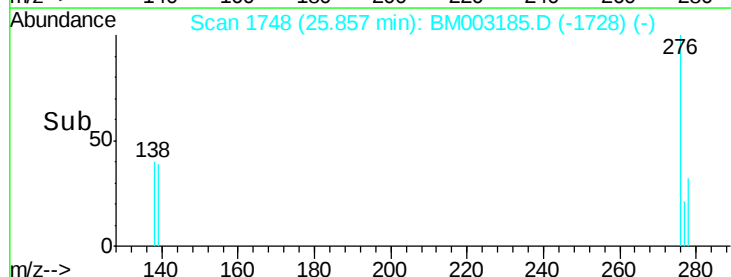
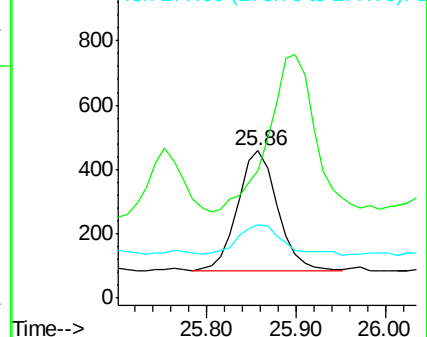
277 29.1 0.0 0.0#

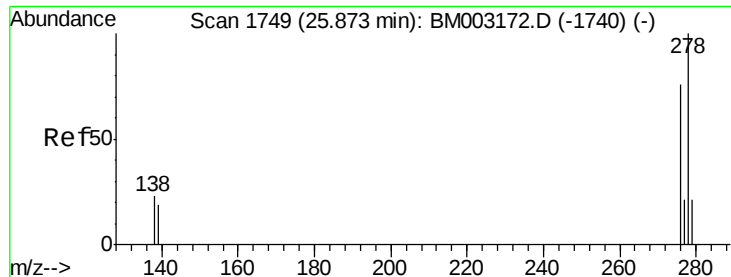


Abundance Ion 276.00 (275.70 to 276.70): E

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: 25.87 min Scan# 1749

Delta R.T. -0.00 min

Lab File: BM003185.D

Acq: 19 Nov 2015 06:23

Instrument :

BNA_M

ClientSampleId :

A4HW3

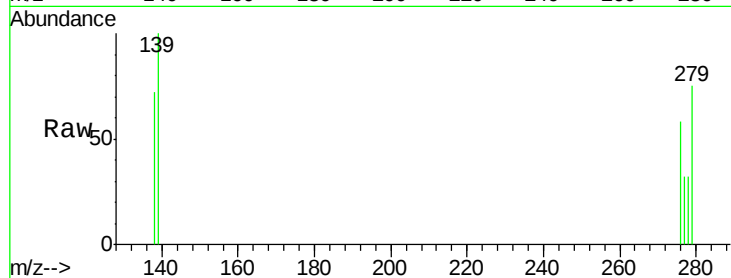
Tgt Ion: 278 Resp: 724

Ion Ratio Lower Upper

278 100

139 315.5 16.4 24.6#

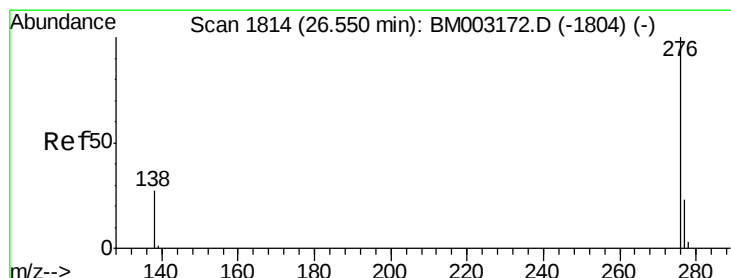
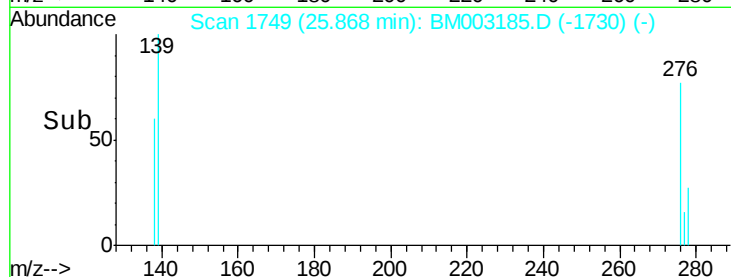
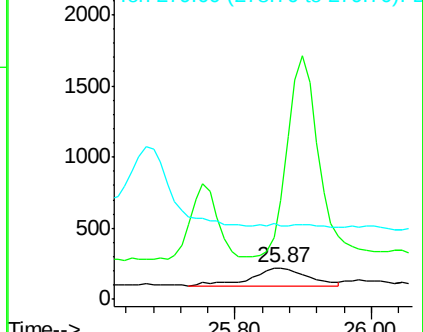
279 235.5 20.2 30.2#



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: 0.00 ng/ul

RT: 26.56 min Scan# 1815

Delta R.T. 0.01 min

Lab File: BM003185.D

Acq: 19 Nov 2015 06:23

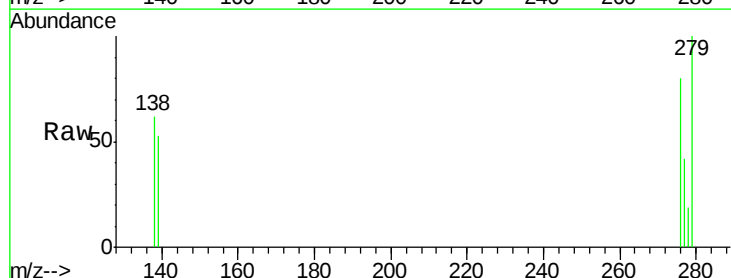
Tgt Ion: 276 Resp: 1242

Ion Ratio Lower Upper

276 100

277 52.2 18.9 28.3#

138 78.1 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

