

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM070816\
 Data File : BM006334.D
 Acq On : 08 Jul 2016 00:07
 Operator : UM/SJ
 Sample : H3811-14
 Misc :
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 A4TW2

Quant Time: Jul 08 03:47:52 2016
 Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-SIM-BM070716.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Jul 08 03:28:13 2016
 Response via : Initial Calibration

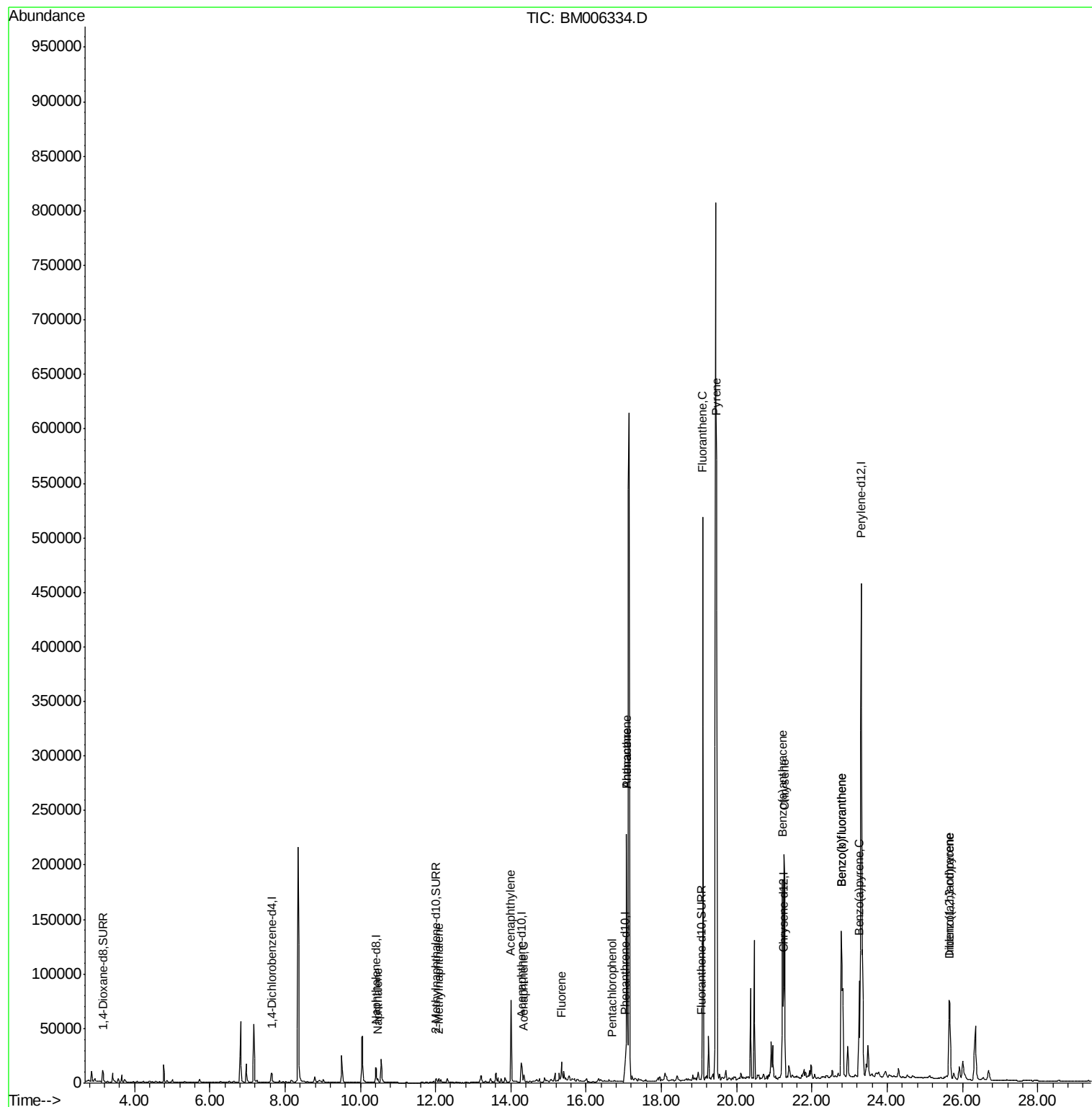
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.65	152	5283	0.40	ng/ul	0.00
4) Naphthalene-d8	10.43	136	21274	0.40	ng/ul	0.00
8) Acenaphthene-d10	14.28	164	12634	0.40	ng/ul	-0.02
12) Phenanthrene-d10	17.04	188	27392	0.40	ng/ul	0.00
18) Chrysene-d12	21.23	240	18147	0.40	ng/ul	0.00
22) Perylene-d12	23.31	264	594164	0.40	ng/ul	-0.14
System Monitoring Compounds						
2) 1,4-Dioxane-d8	3.17	96	8047	3.60	ng/uL	0.00
6) 2-Methylnaphthalene-d10	12.02	152	6134	0.25	ng/ul	0.00
16) Fluoranthene-d10	19.08	212	16792	0.29	ng/ul	0.00
Target Compounds				Qvalue		
5) Naphthalene	10.46	128	5564	0.11	ng/ul#	93
7) 2-Methylnaphthalene	12.09	142	2788	0.08	ng/ul	97
9) Acenaphthylene	14.01	152	48061	1.13	ng/ul#	92
10) Acenaphthene	14.35	153	4270	0.10	ng/ul	90
11) Fluorene	15.34	166	13608	0.29	ng/ul	85
13) Pentachlorophenol	16.70	266	90	0.02	ng/ul#	87
14) Phenanthrene	17.07	178	252927	3.34	ng/ul#	93
15) Anthracene	17.07	178	252654	3.60	ng/ul	96
17) Fluoranthene	19.10	202	548693	6.57	ng/ul	98
19) Pyrene	19.46	202	522227	6.87	ng/ul	98
20) Benzo(a)anthracene	21.21	228	201354	3.43	ng/ul#	87
21) Chrysene	21.27	228	210206	3.65	ng/ul#	91
23) Benzo(b)fluoranthene	22.79	252	192267	0.09	ng/ul	97
24) Benzo(k)fluoranthene	22.79	252	297774	0.15	ng/ul	98
25) Benzo(a)pyrene	23.26	252	128134	0.06	ng/ul	99
26) Indeno(1,2,3-cd)pyrene	25.65	276	105917	0.05	ng/ul	96
27) Dibenzo(a,h)anthracene	25.66	278	21071	0.01	ng/ul	93

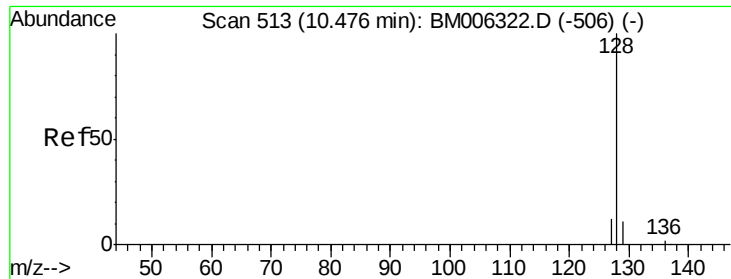
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#5

Naphthalene

Concen: 0.11 ng/ul

RT: 10.46 min Scan# 512

Delta R.T. -0.01 min

Lab File: BM006334.D

Acq: 08 Jul 2016 00:07

Instrument :

BNA_M

ClientSampleId :

A4TW2

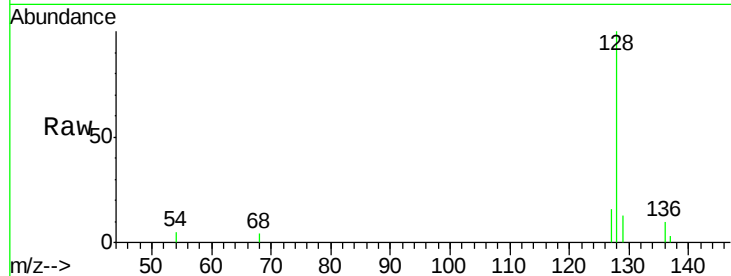
Tgt Ion:128 Resp: 5564

Ion Ratio Lower Upper

128 100

129 13.1 9.0 13.6

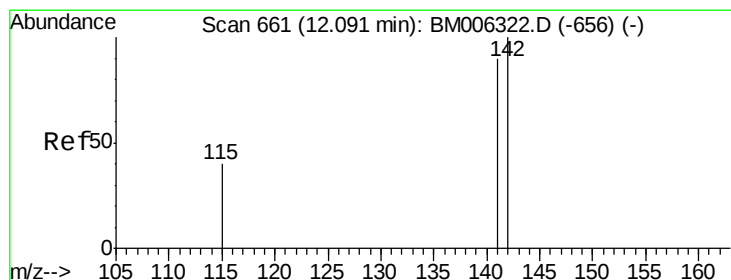
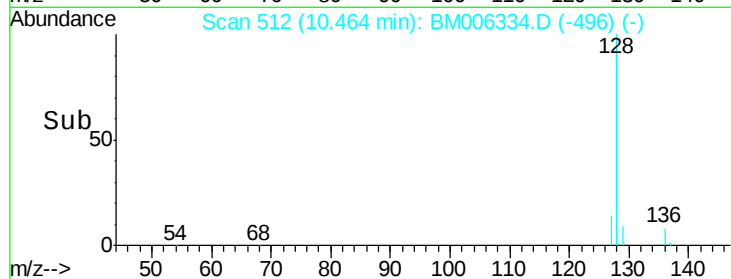
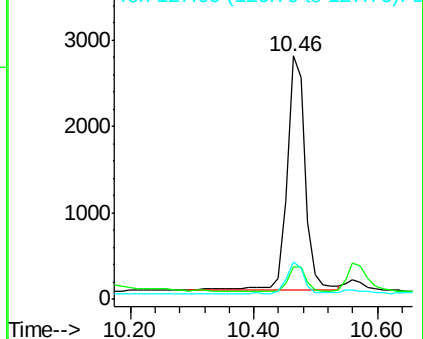
127 15.6 9.6 14.4#



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: 0.08 ng/ul

RT: 12.09 min Scan# 661

Delta R.T. -0.00 min

Lab File: BM006334.D

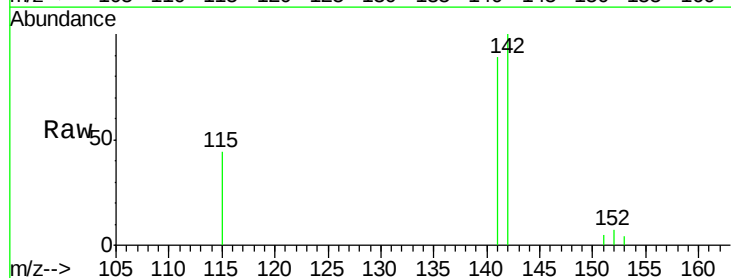
Acq: 08 Jul 2016 00:07

Tgt Ion:142 Resp: 2788

Ion Ratio Lower Upper

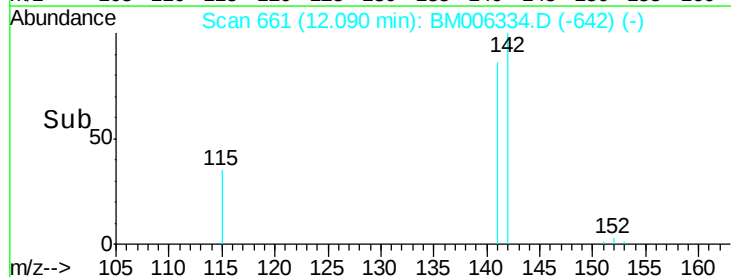
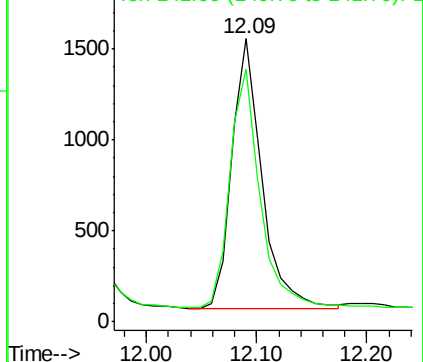
142 100

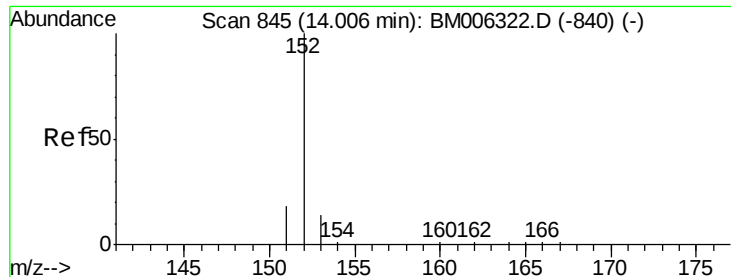
141 90.3 70.3 105.5



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#9

Acenaphthylene

Concen: 1.13 ng/ul

RT: 14.01 min Scan# 845

Delta R.T. -0.00 min

Lab File: BM006334.D

Acq: 08 Jul 2016 00:07

Instrument :

BNA_M

ClientSampleId :

A4TW2

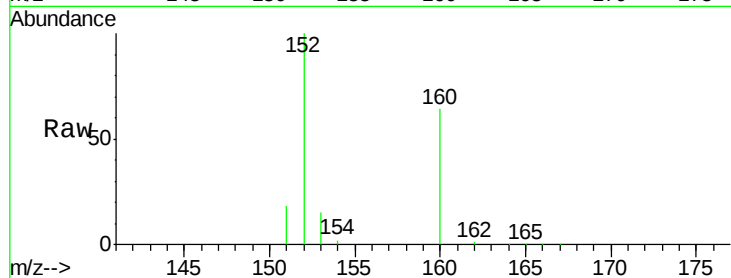
Tgt Ion:152 Resp: 48061

Ion Ratio Lower Upper

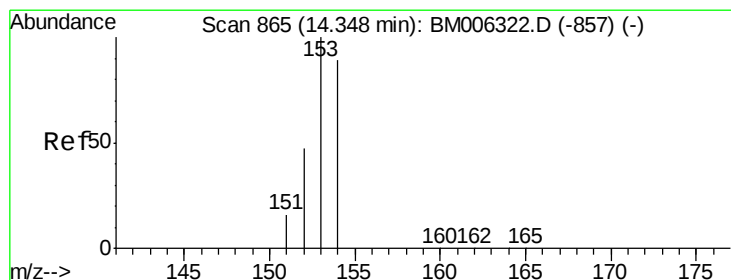
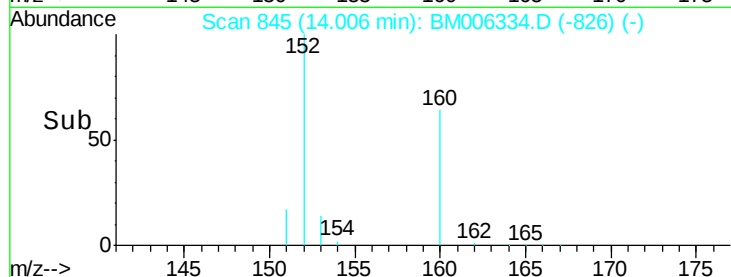
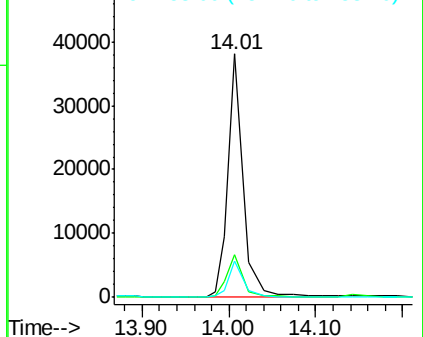
152 100

151 17.7 17.6 26.4

153 14.7 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: 0.10 ng/ul

RT: 14.35 min Scan# 865

Delta R.T. -0.00 min

Lab File: BM006334.D

Acq: 08 Jul 2016 00:07

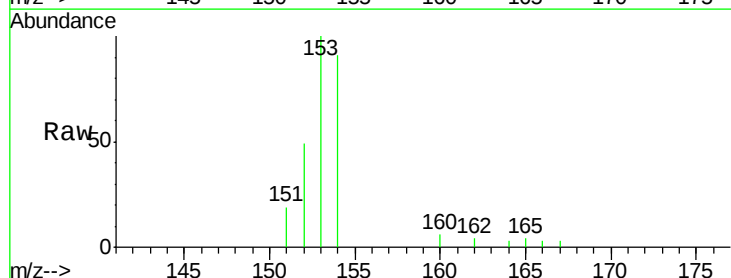
Tgt Ion:153 Resp: 4270

Ion Ratio Lower Upper

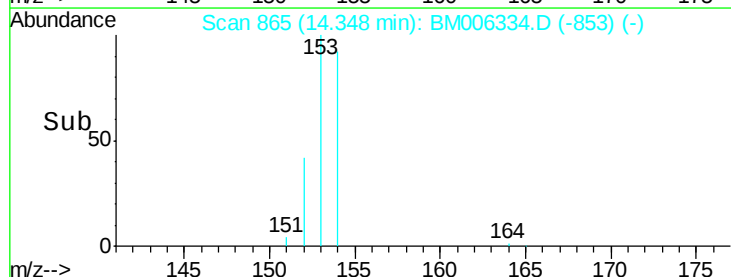
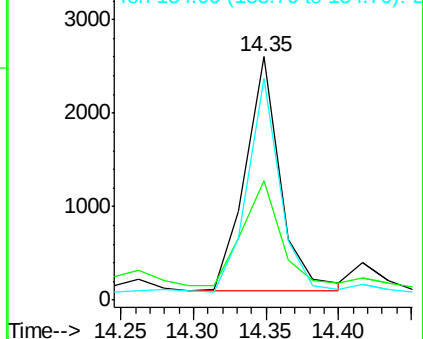
153 100

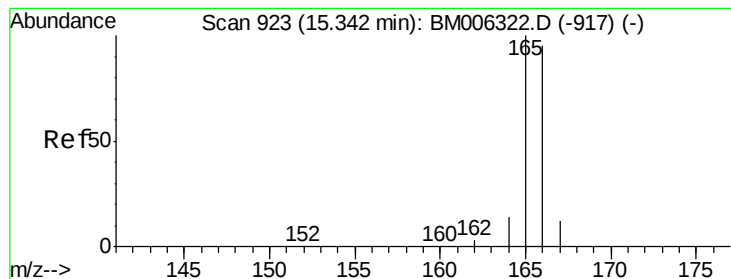
152 49.1 33.9 50.9

154 91.1 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: 0.29 ng/ul

RT: 15.34 min Scan# 923

Delta R.T. -0.00 min

Lab File: BM006334.D

Acq: 08 Jul 2016 00:07

Instrument :

BNA_M

ClientSampleId :

A4TW2

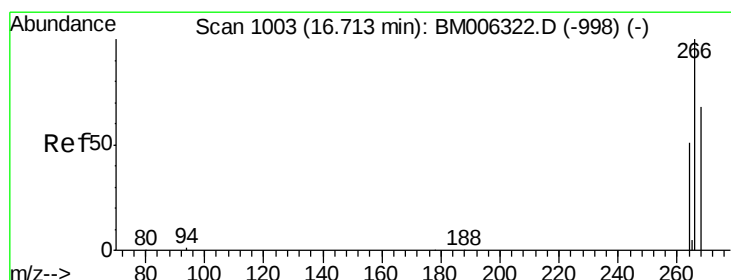
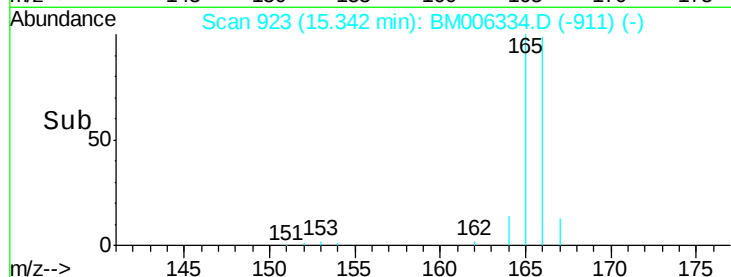
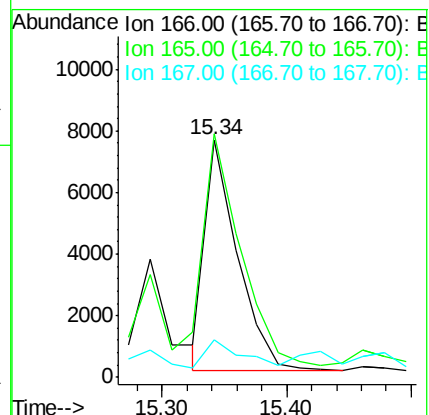
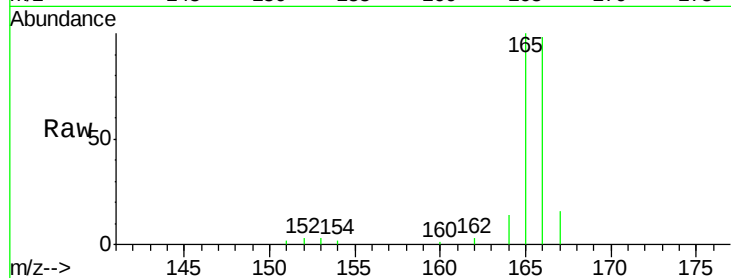
Tgt Ion:166 Resp: 13608

Ion Ratio Lower Upper

166 100

165 102.4 69.6 104.4

167 16.0 11.9 17.9



#13

Pentachlorophenol

Concen: 0.02 ng/ul

RT: 16.70 min Scan# 1002

Delta R.T. -0.02 min

Lab File: BM006334.D

Acq: 08 Jul 2016 00:07

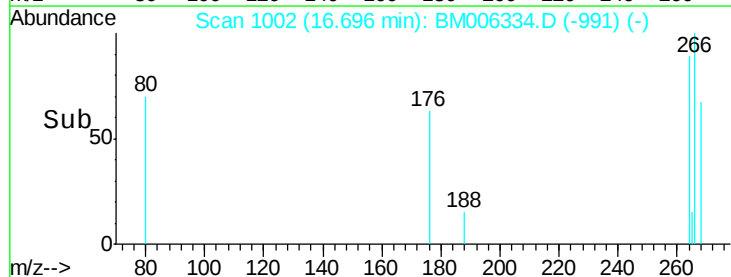
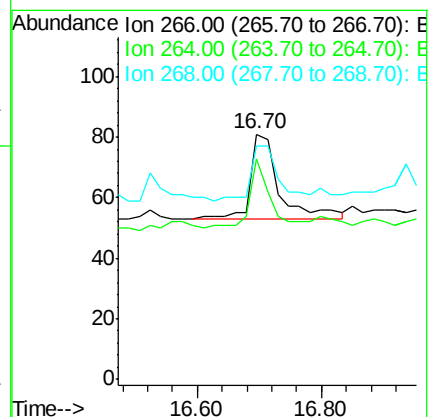
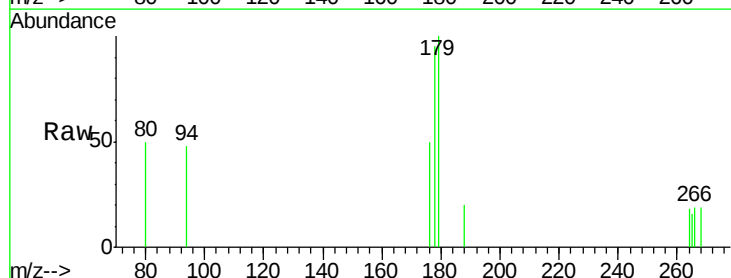
Tgt Ion:266 Resp: 90

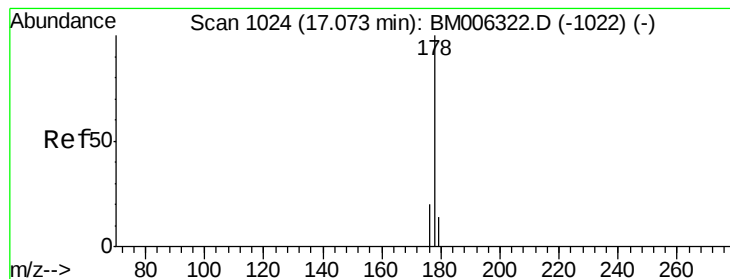
Ion Ratio Lower Upper

266 100

264 56.7 51.8 77.8

268 71.1 46.8 70.2#





#14

Phenanthrene

Concen: 3.34 ng/ul

RT: 17.07 min Scan# 1024

Delta R.T. -0.00 min

Lab File: BM006334.D

Acq: 08 Jul 2016 00:07

Instrument :

BNA_M

ClientSampleId :

A4TW2

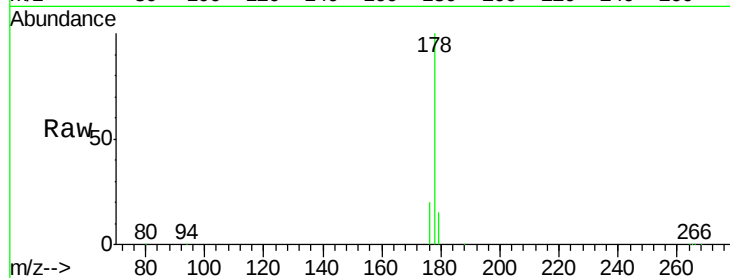
Tgt Ion:178 Resp: 252927

Ion Ratio Lower Upper

178 100

176 19.7 13.0 19.4#

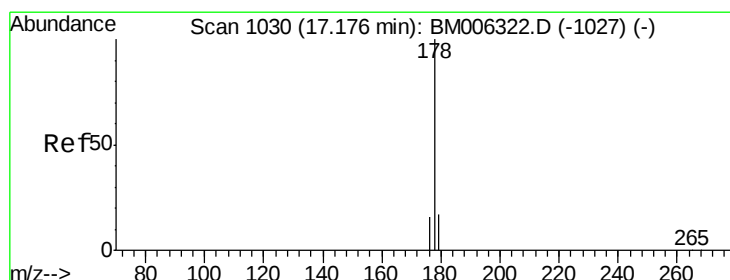
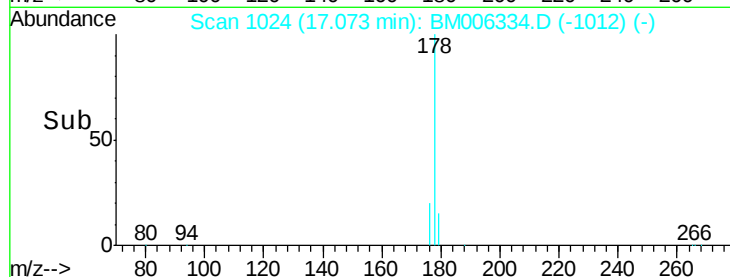
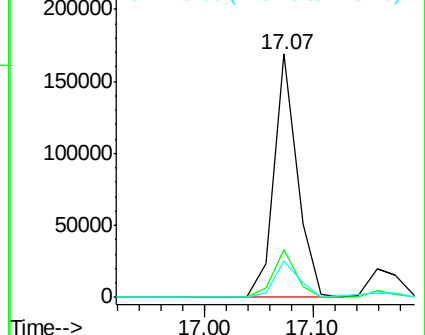
179 15.0 14.2 21.2



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: 3.60 ng/ul

RT: 17.07 min Scan# 1024

Delta R.T. -0.10 min

Lab File: BM006334.D

Acq: 08 Jul 2016 00:07

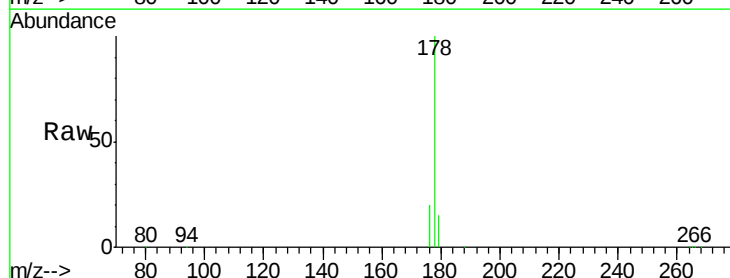
Tgt Ion:178 Resp: 252654

Ion Ratio Lower Upper

178 100

176 19.7 14.0 21.0

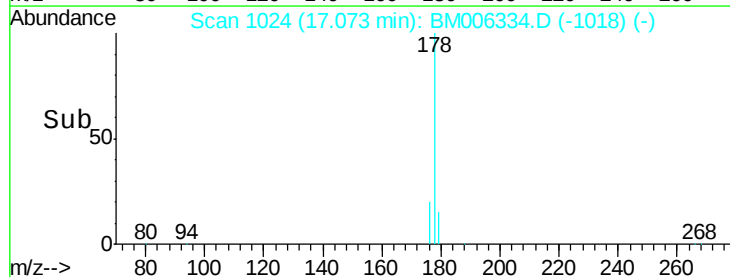
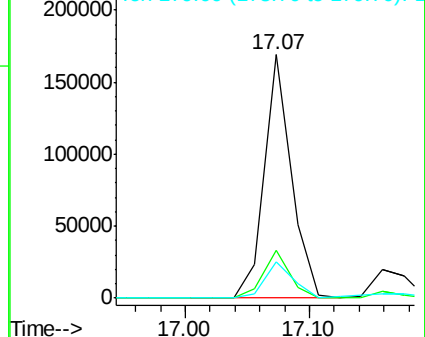
179 15.0 12.9 19.3

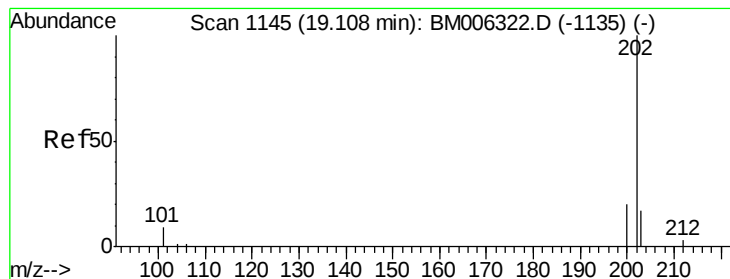


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#17

Fluoranthene

Concen: 6.57 ng/ul

RT: 19.10 min Scan# 1144

Delta R.T. -0.01 min

Lab File: BM006334.D

Acq: 08 Jul 2016 00:07

Instrument :

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ClientSampleId :

A4TW2

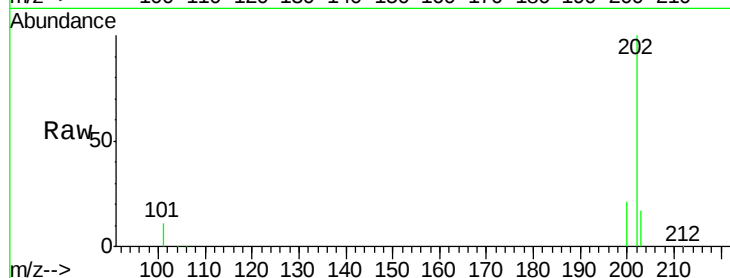
Tgt Ion:202 Resp: 548693

Ion Ratio Lower Upper

202 100

101 11.3 0.0 29.6

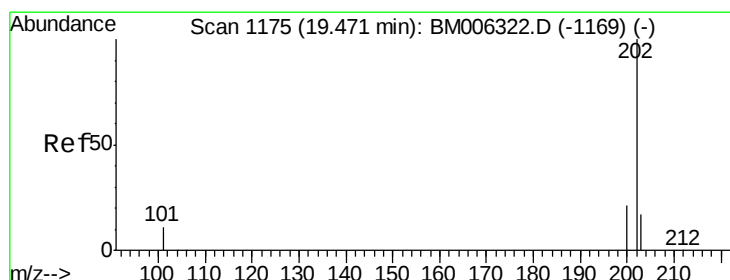
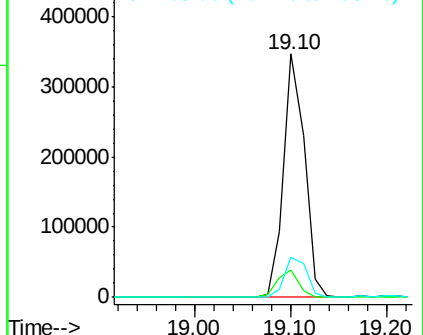
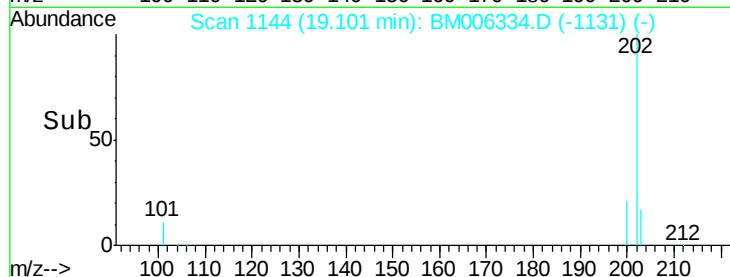
203 16.5 0.0 36.3



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: 6.87 ng/ul

RT: 19.46 min Scan# 1174

Delta R.T. -0.01 min

Lab File: BM006334.D

Acq: 08 Jul 2016 00:07

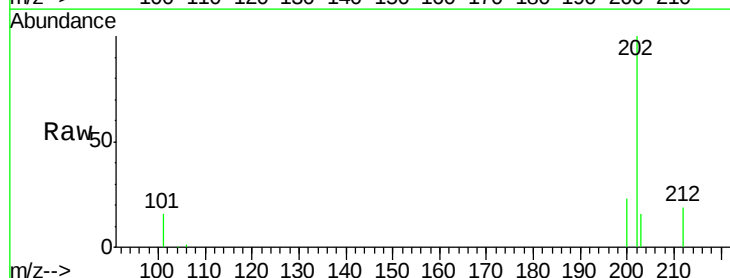
Tgt Ion:202 Resp: 522227

Ion Ratio Lower Upper

202 100

200 23.4 17.8 26.8

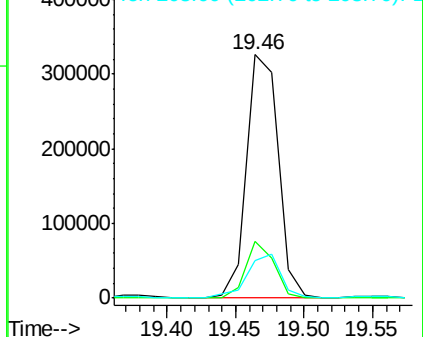
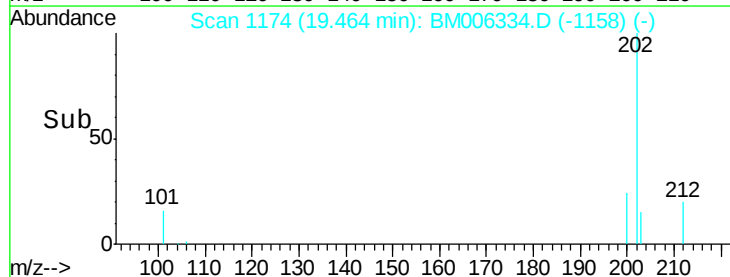
203 15.7 12.8 19.2

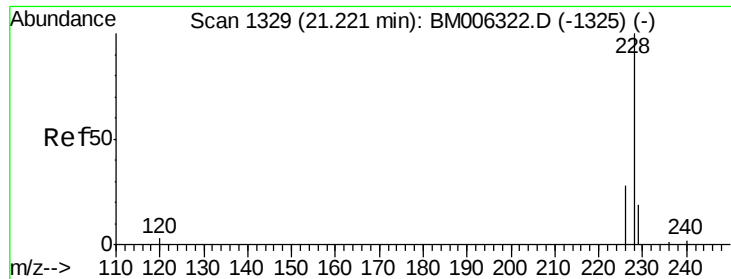


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#20

Benzo(a)anthracene

Concen: 3.43 ng/ul

RT: 21.21 min Scan# 1328

Delta R.T. -0.01 min

Lab File: BM006334.D

Acq: 08 Jul 2016 00:07

Instrument :

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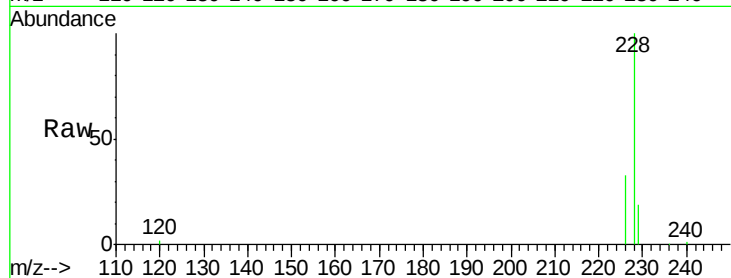
Tgt Ion:228 Resp: 201354

Ion Ratio Lower Upper

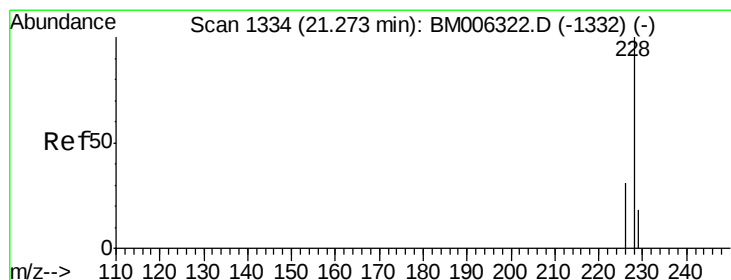
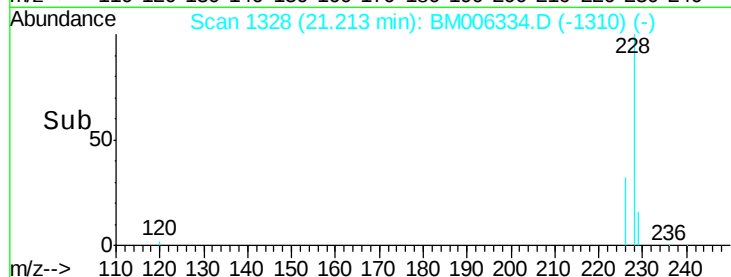
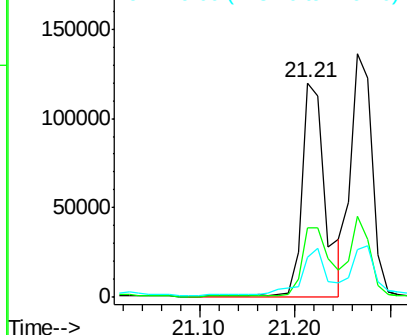
228 100

226 32.6 18.8 28.2#

229 18.5 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: 3.65 ng/ul

RT: 21.27 min Scan# 1333

Delta R.T. -0.01 min

Lab File: BM006334.D

Acq: 08 Jul 2016 00:07

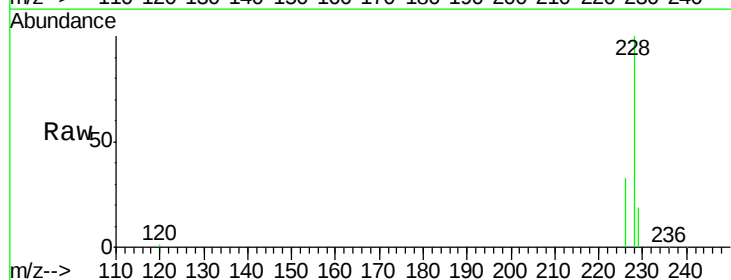
Tgt Ion:228 Resp: 210206

Ion Ratio Lower Upper

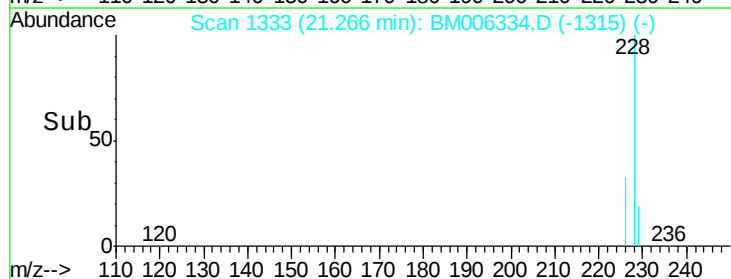
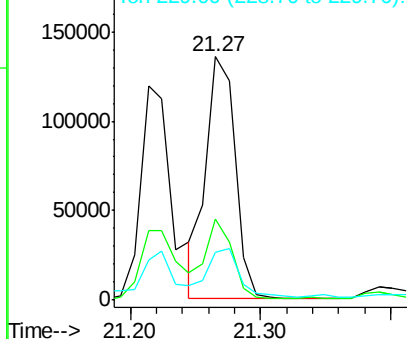
228 100

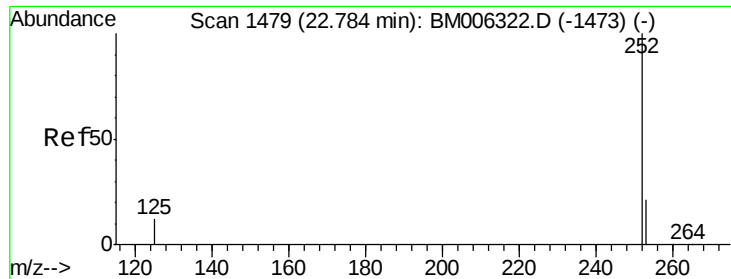
226 33.4 21.2 31.8#

229 19.5 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: 0.09 ng/u1

RT: 22.79 min Scan# 1479

Delta R.T. 0.00 min

Lab File: BM006334.D

Acq: 08 Jul 2016 00:07

Instrument :

BNA_M

ClientSampleId :

A4TW2

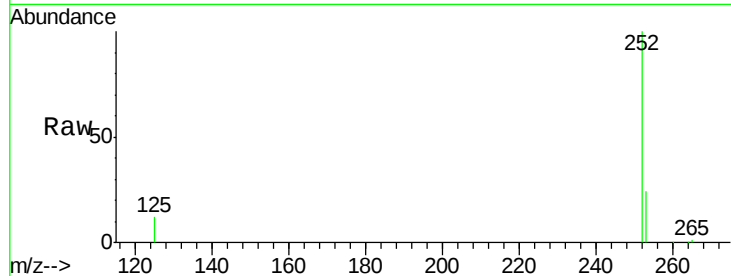
Tgt Ion:252 Resp: 192267

Ion Ratio Lower Upper

252 100

253 23.7 0.0 45.4

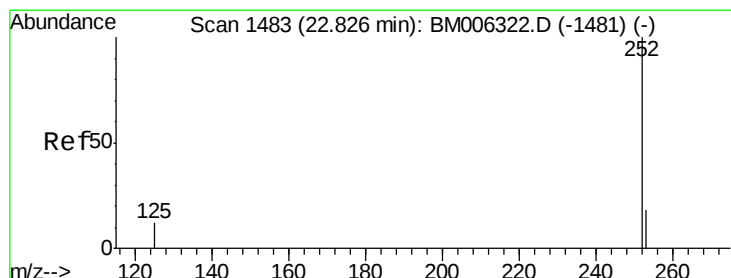
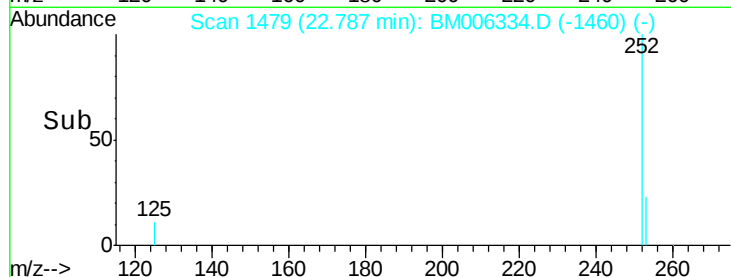
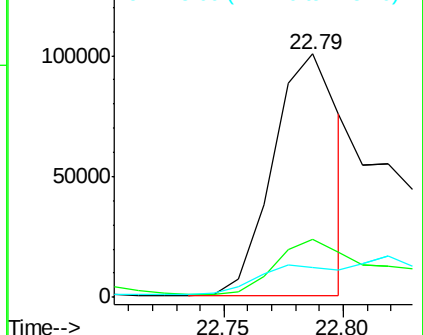
125 12.3 0.0 28.8



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: 0.15 ng/u1

RT: 22.79 min Scan# 1479

Delta R.T. -0.04 min

Lab File: BM006334.D

Acq: 08 Jul 2016 00:07

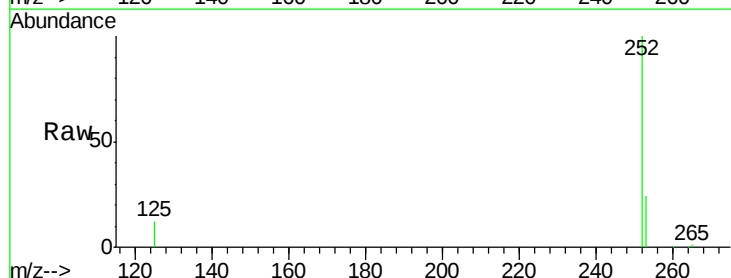
Tgt Ion:252 Resp: 297774

Ion Ratio Lower Upper

252 100

253 23.7 19.8 29.8

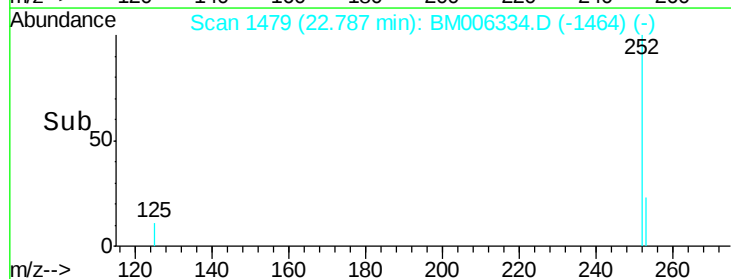
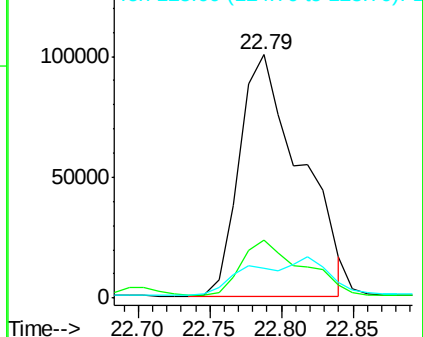
125 12.3 10.4 15.6

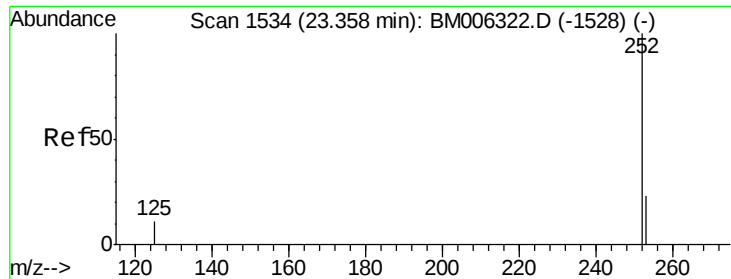


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#25

Benzo(a)pyrene

Concen: 0.06 ng/ul

RT: 23.26 min Scan# 1524

Delta R.T. -0.10 min

Lab File: BM006334.D

Acq: 08 Jul 2016 00:07

Instrument :

BNA_M

ClientSampleId :

A4TW2

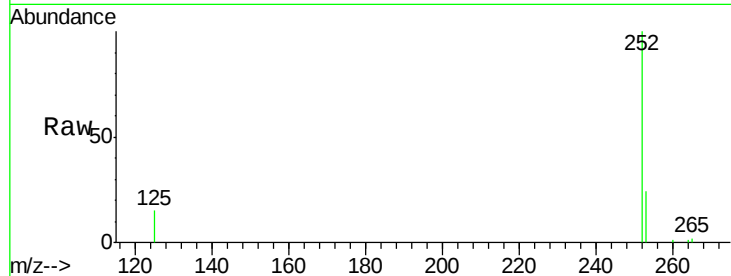
Tgt Ion:252 Resp: 128134

Ion Ratio Lower Upper

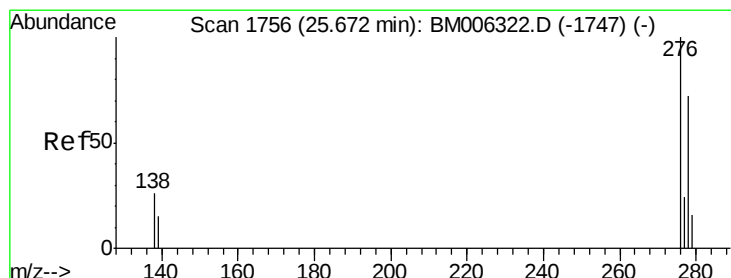
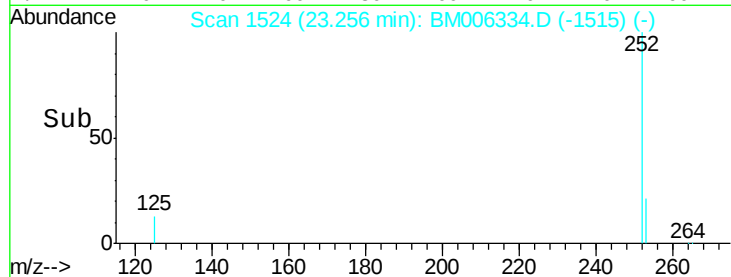
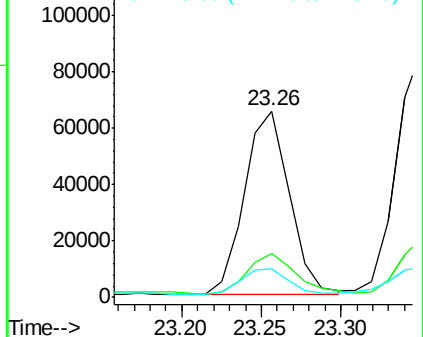
252 100

253 23.8 19.4 29.2

125 15.3 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: 0.05 ng/ul

RT: 25.65 min Scan# 1754

Delta R.T. -0.02 min

Lab File: BM006334.D

Acq: 08 Jul 2016 00:07

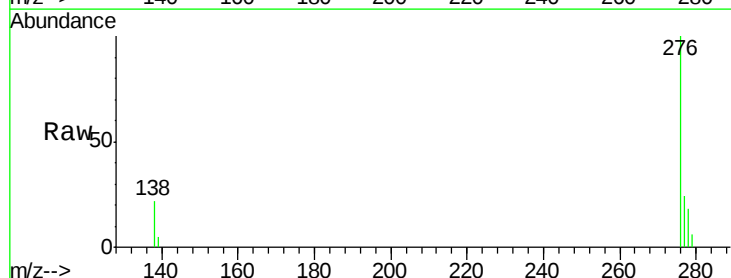
Tgt Ion:276 Resp: 105917

Ion Ratio Lower Upper

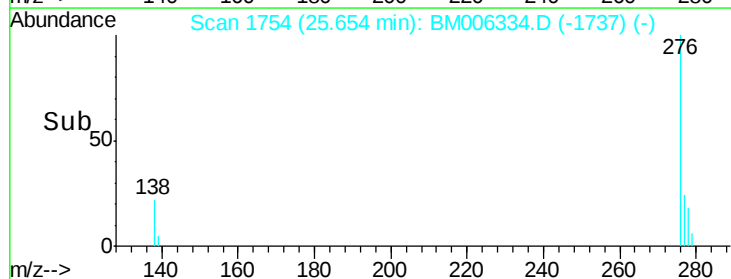
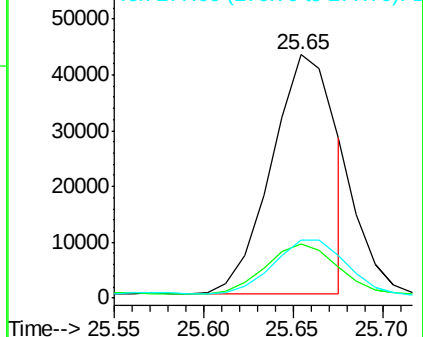
276 100

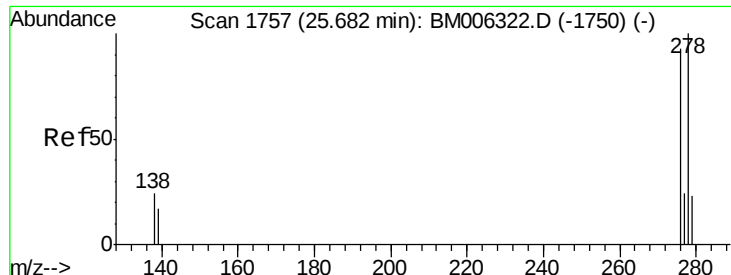
138 21.5 16.3 24.5

277 22.5 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: 0.01 ng/ul

RT: 25.66 min Scan# 1755

Delta R.T. -0.02 min

Lab File: BM006334.D

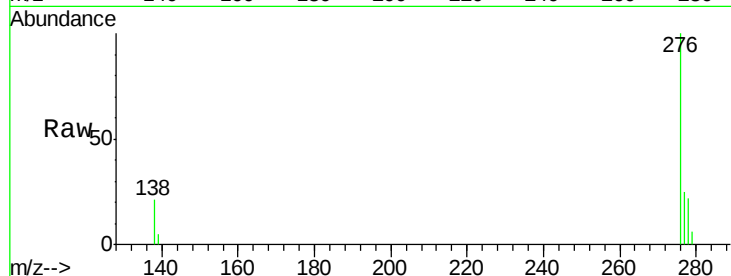
Acq: 08 Jul 2016 00:07

Instrument :

BNA_M

ClientSampleId :

A4TW2



Tgt Ion: 278 Resp: 21071

Ion Ratio Lower Upper

278 100

139 23.1 16.4 24.6

279 29.4 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

