

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM121515\
 Data File : BM003565.D
 Acq On : 16 Dec 2015 01:07
 Operator : UM/IZ
 Sample : G4734-14
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 A4KX5

Quant Time: Dec 16 05:57:48 2015
 Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-SIM-BM121515.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Dec 16 05:49:57 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.71	152	8651	0.40	ng/ul	0.00
4) Naphthalene-d8	10.50	136	31911	0.40	ng/ul	0.00
8) Acenaphthene-d10	14.37	164	15950	0.40	ng/ul	0.00
12) Phenanthrene-d10	17.21	188	1211257	0.40	ng/ul	0.10
18) Chrysene-d12	21.30	240	33818	0.40	ng/ul	-0.01
22) Perylene-d12	23.42	264	1244876	0.40	ng/ul	-0.15

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
2) 1,4-Dioxane-d8	3.18	96	5531	1.50	ng/uL	0.00
6) 2-Methylnaphthalene-d10	12.10	152	6247	0.16	ng/ul	0.00
16) Fluoranthene-d10	19.14	212	12922	0.01	ng/ul	0.00

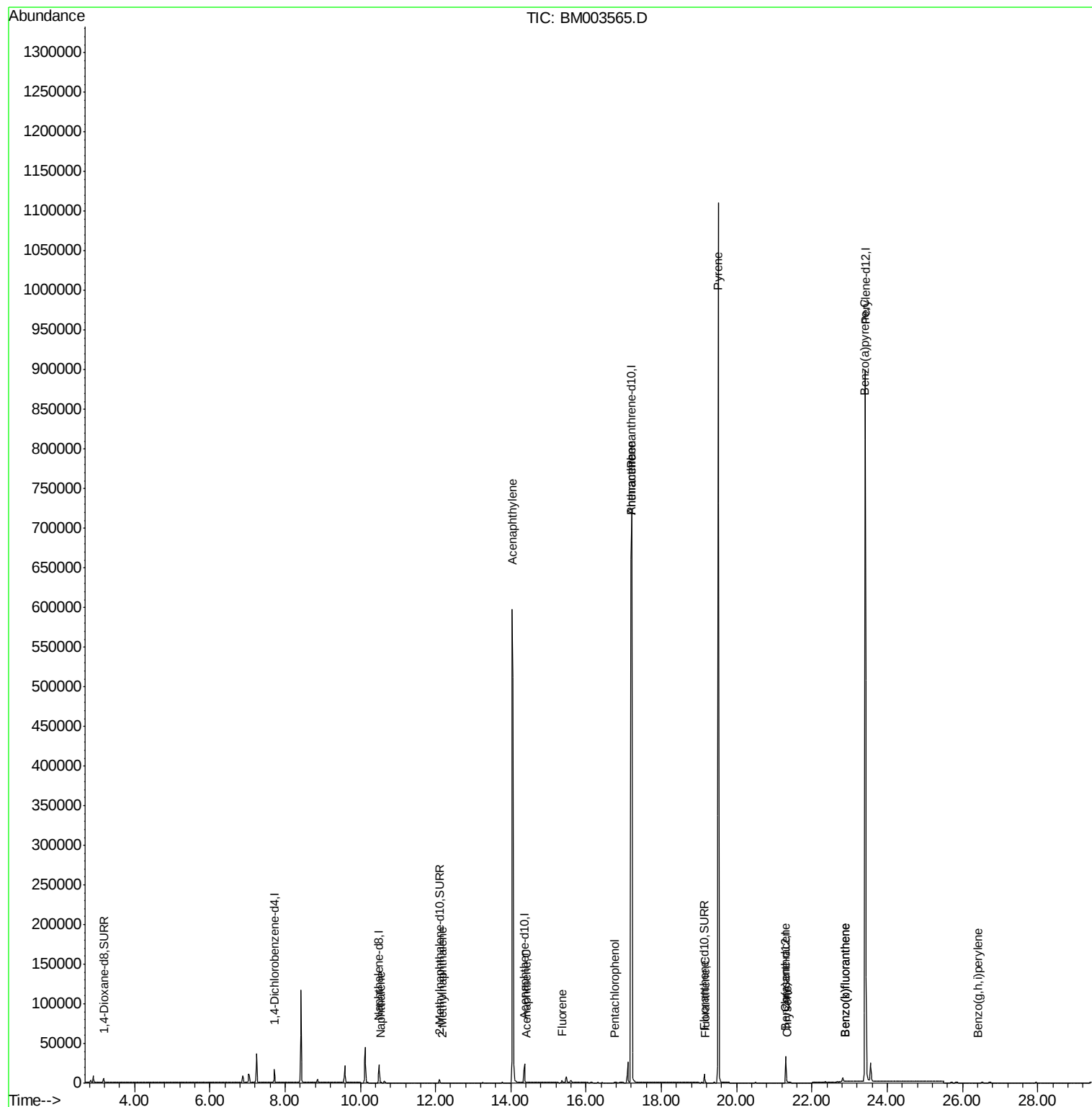
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Naphthalene	10.55	128	312	0.00	ng/ul#	39
7) 2-Methylnaphthalene	12.17	142	75	0.00	ng/ul#	78
9) Acenaphthylene	14.04	152	124	0.00	ng/ul#	1
10) Acenaphthene	14.42	153	50	0.00	ng/ul#	73
11) Fluorene	15.36	166	2257	0.04	ng/ul#	20
13) Pentachlorophenol	16.76	266	150	0.00	ng/ul	91
14) Phenanthrene	17.19	178	745	0.00	ng/ul#	1
15) Anthracene	17.19	178	762	0.00	ng/ul#	1
17) Fluoranthene	19.17	202	324	0.00	ng/ul#	26
19) Pyrene	19.51	202	2363	0.03	ng/ul#	1
20) Benzo(a)anthracene	21.29	228	460	0.01	ng/ul#	57
21) Chrysene	21.35	228	1780	0.02	ng/ul#	88
23) Benzo(b)fluoranthene	22.88	252	816	0.00	ng/ul#	1
24) Benzo(k)fluoranthene	22.88	252	1051	0.00	ng/ul#	1
25) Benzo(a)pyrene	23.41	252	4884	0.00	ng/ul#	63
28) Benzo(g,h,i)perylene	26.40	276	4	0.00	ng/ul#	1

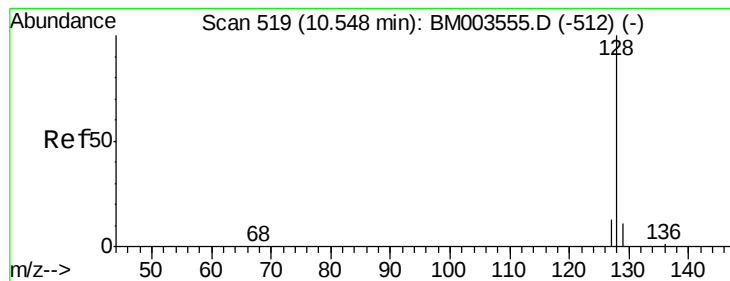
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#5

Naphthalene

Concen: 0.00 ng/ul

RT: 10.55 min Scan# 519

Delta R.T. 0.00 min

Lab File: BM003565.D

Acq: 16 Dec 2015 01:07

Instrument :

BNA_M

ClientSampleId :

A4KX5

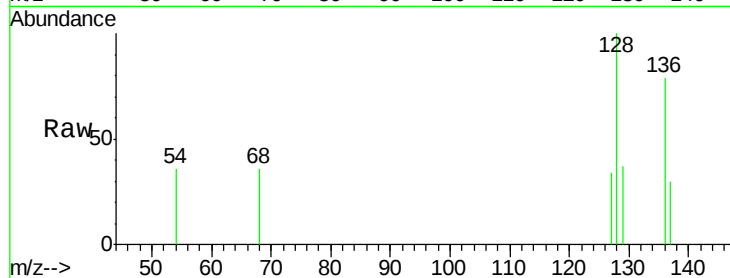
Tgt Ion:128 Resp: 312

Ion Ratio Lower Upper

128 100

129 36.7 9.0 13.6#

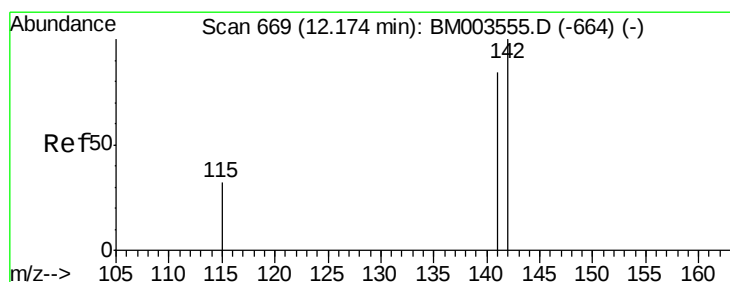
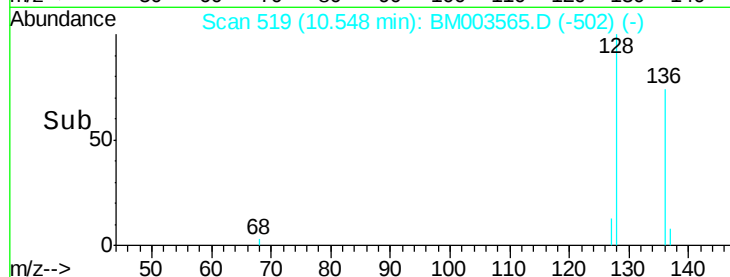
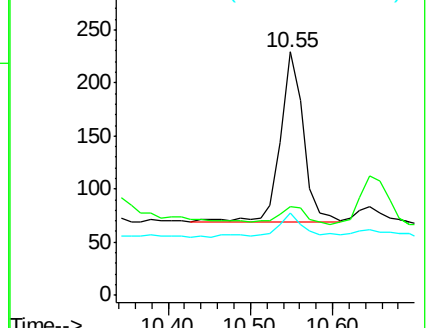
127 33.6 9.6 14.4#



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: 0.00 ng/ul

RT: 12.17 min Scan# 669

Delta R.T. 0.00 min

Lab File: BM003565.D

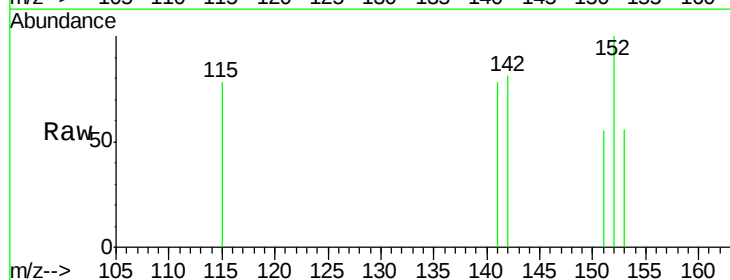
Acq: 16 Dec 2015 01:07

Tgt Ion:142 Resp: 75

Ion Ratio Lower Upper

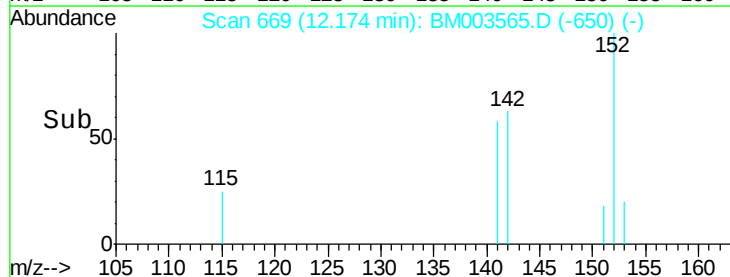
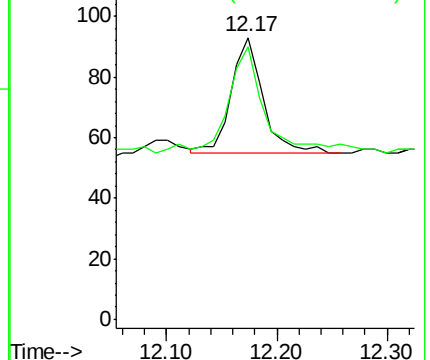
142 100

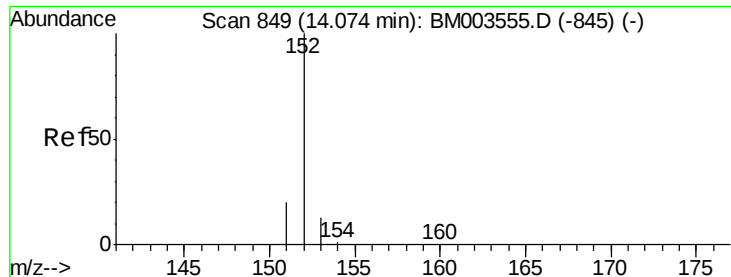
141 108.0 70.3 105.5#



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#9

Acenaphthylene

Concen: 0.00 ng/ul

RT: 14.04 min Scan# 847

Delta R.T. -0.03 min

Lab File: BM003565.D

Acq: 16 Dec 2015 01:07

Instrument :

BNA_M

ClientSampleId :

A4KX5

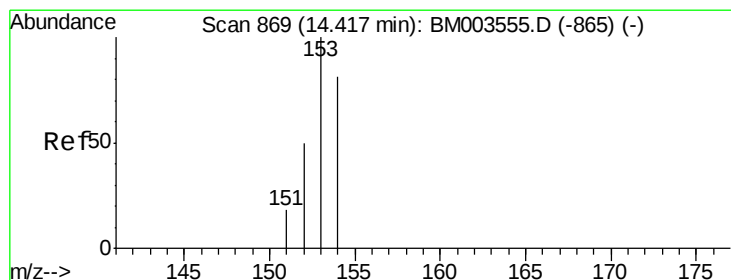
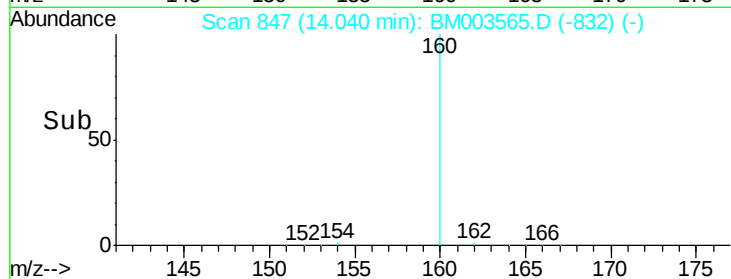
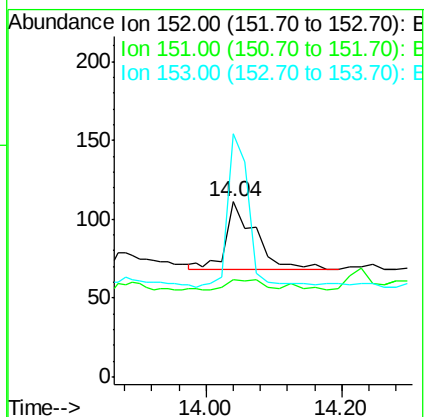
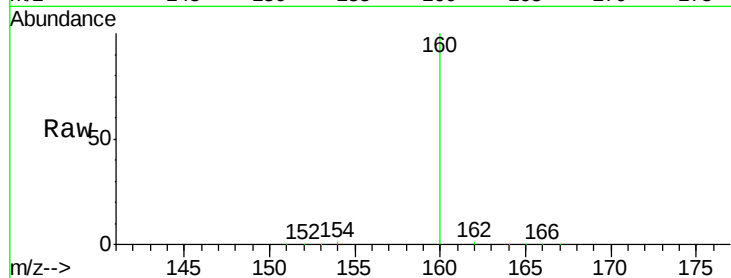
Tgt Ion:152 Resp: 124

Ion Ratio Lower Upper

152 100

151 55.9 17.6 26.4#

153 138.7 9.7 14.5#



#10

Acenaphthene

Concen: 0.00 ng/ul

RT: 14.42 min Scan# 869

Delta R.T. 0.00 min

Lab File: BM003565.D

Acq: 16 Dec 2015 01:07

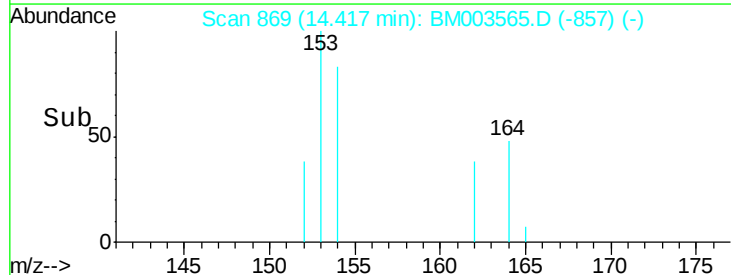
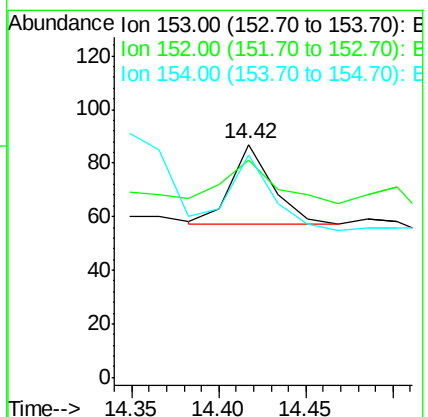
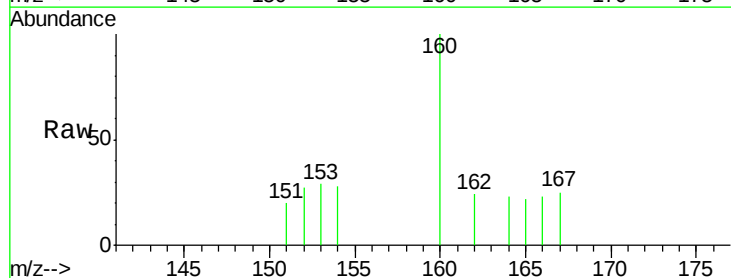
Tgt Ion:153 Resp: 50

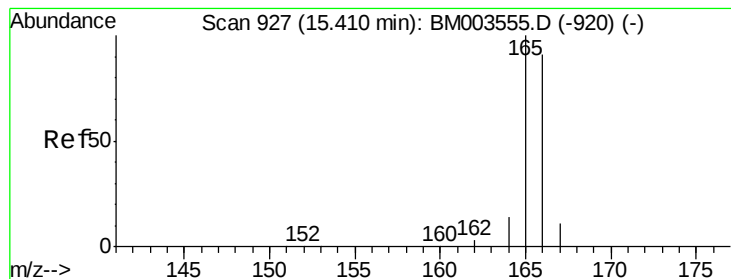
Ion Ratio Lower Upper

153 100

152 93.1 33.9 50.9#

154 95.4 80.6 121.0





#11

Fluorene

Concen: 0.04 ng/ul

RT: 15.36 min Scan# 924

Delta R.T. -0.05 min

Lab File: BM003565.D

Acq: 16 Dec 2015 01:07

Instrument :

BNA_M

ClientSampleId :

A4KX5

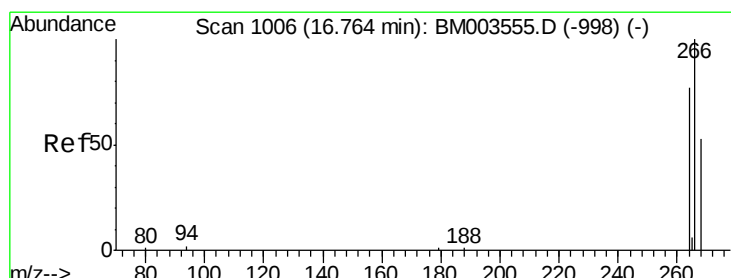
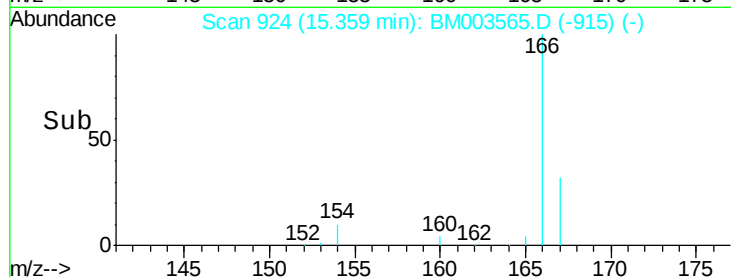
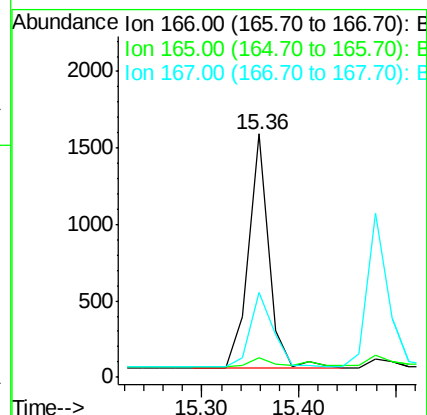
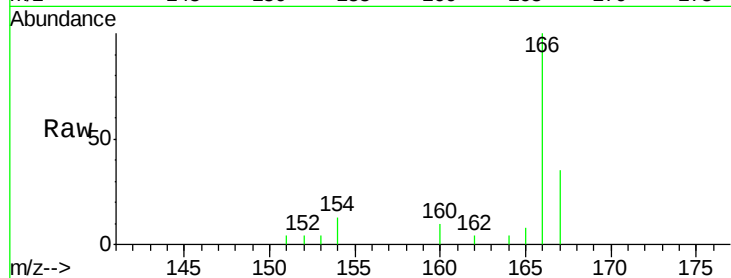
Tgt Ion:166 Resp: 2257

Ion Ratio Lower Upper

166 100

165 7.8 69.6 104.4#

167 35.0 11.9 17.9#



#13

Pentachlorophenol

Concen: 0.00 ng/ul

RT: 16.76 min Scan# 1006

Delta R.T. 0.00 min

Lab File: BM003565.D

Acq: 16 Dec 2015 01:07

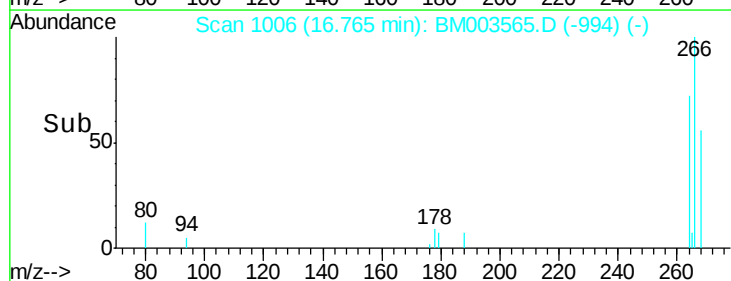
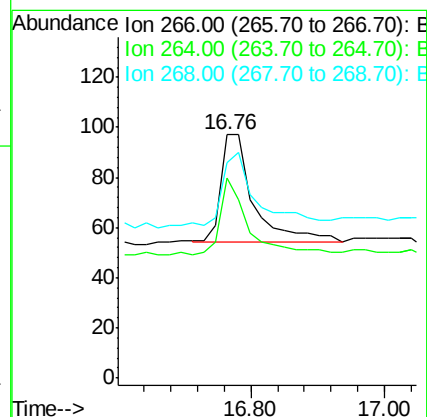
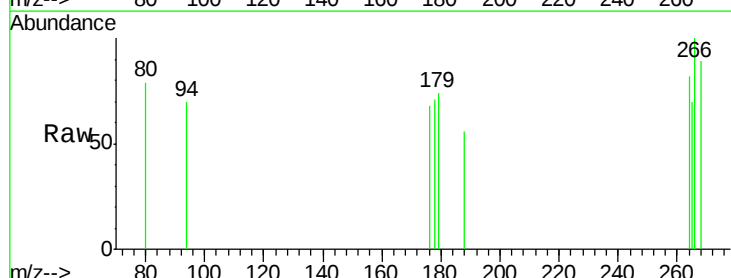
Tgt Ion:266 Resp: 150

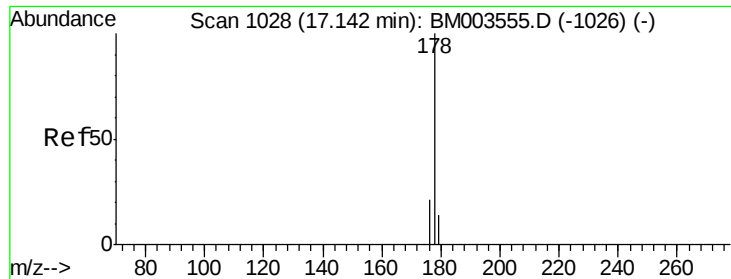
Ion Ratio Lower Upper

266 100

264 60.0 51.8 77.8

268 68.0 46.8 70.2





#14

Phenanthrene

Concen: 0.00 ng/ul

RT: 17.19 min Scan# 1031

Delta R.T. 0.05 min

Lab File: BM003565.D

Acq: 16 Dec 2015 01:07

Instrument :

BNA_M

ClientSampleId :

A4KX5

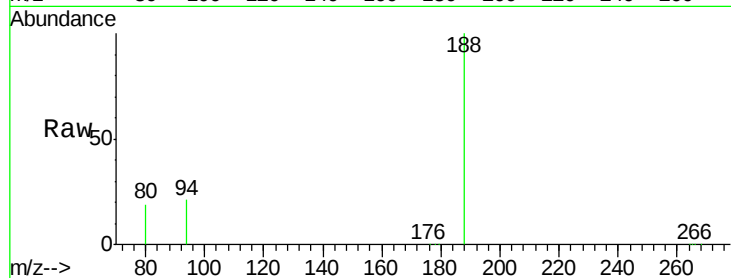
Tgt Ion:178 Resp: 745

Ion Ratio Lower Upper

178 100

176 23.1 13.0 19.4#

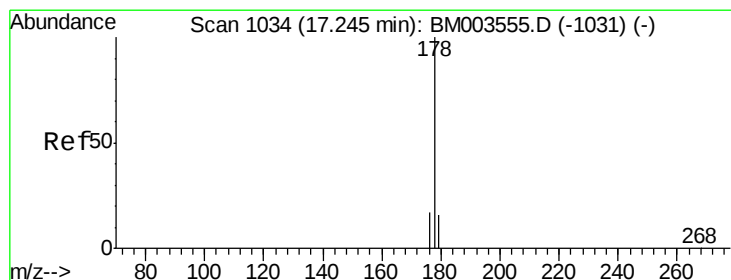
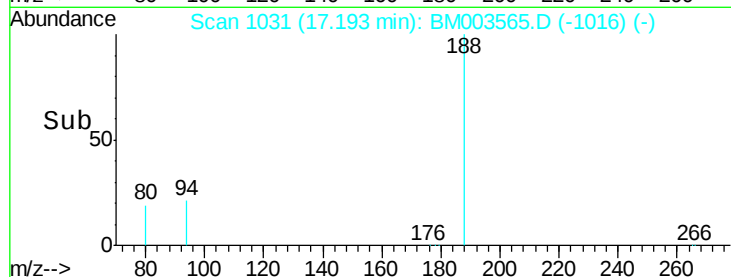
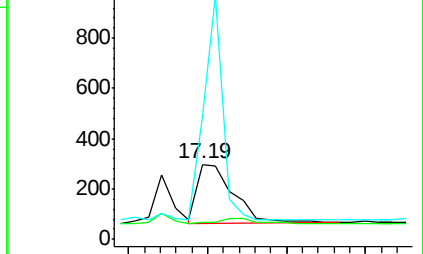
179 164.5 14.2 21.2#



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: 17.19 min Scan# 1031

Delta R.T. -0.05 min

Lab File: BM003565.D

Acq: 16 Dec 2015 01:07

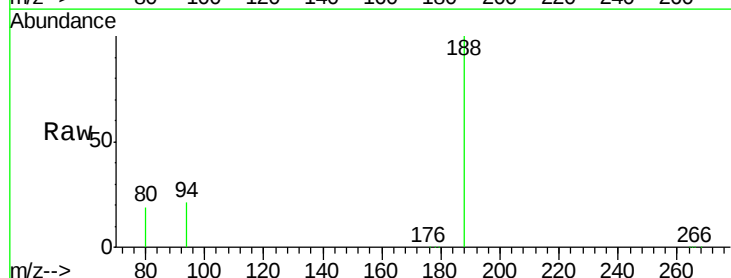
Tgt Ion:178 Resp: 762

Ion Ratio Lower Upper

178 100

176 23.1 14.0 21.0#

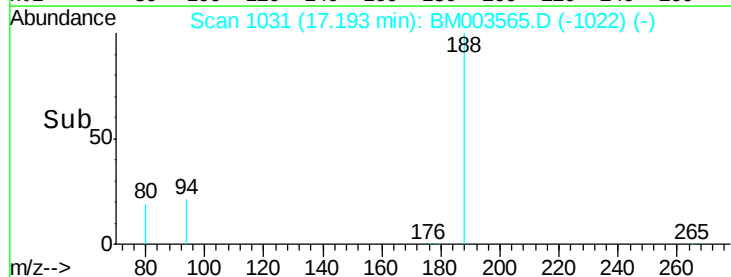
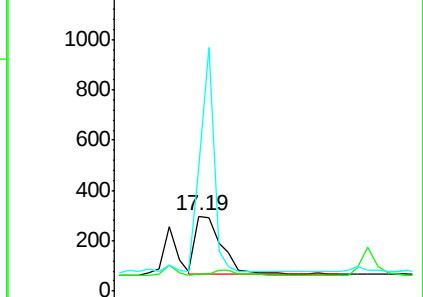
179 164.5 12.9 19.3#

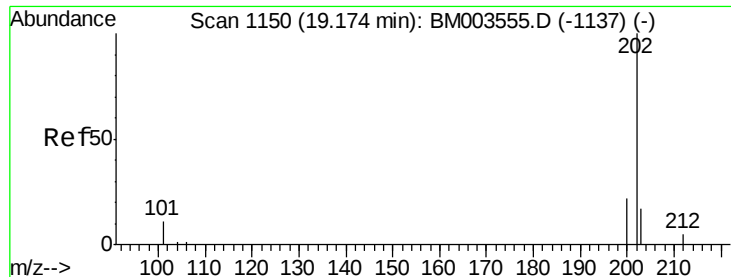


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#17

Fluoranthene

Concen: 0.00 ng/ul

RT: 19.17 min Scan# 1150

Delta R.T. -0.00 min

Lab File: BM003565.D

Acq: 16 Dec 2015 01:07

Instrument :

BNA_M

ClientSampleId :

A4KX5

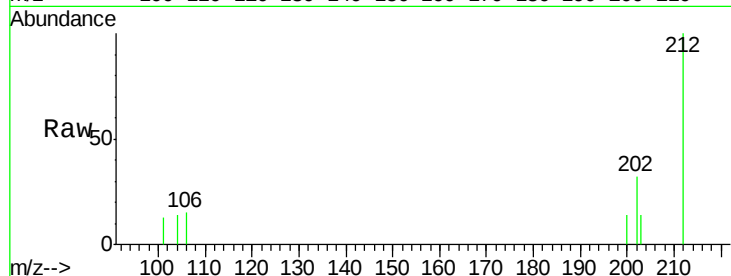
Tgt Ion:202 Resp: 324

Ion Ratio Lower Upper

202 100

101 41.0 0.0 29.6#

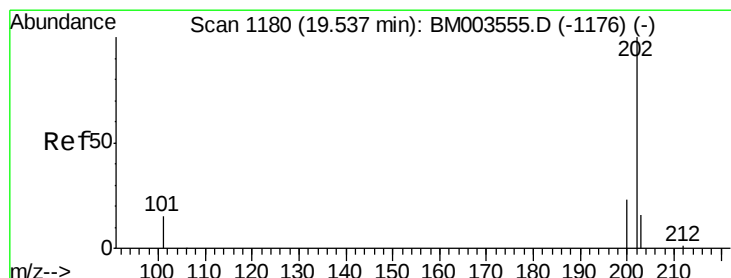
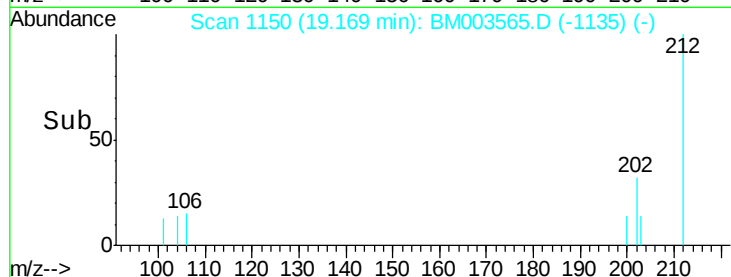
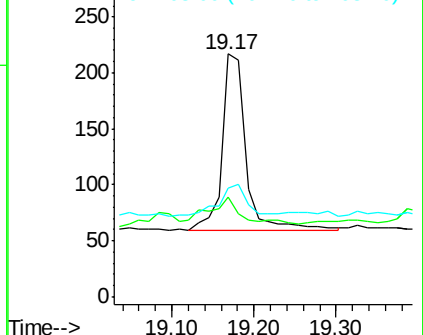
203 44.7 0.0 36.3#



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: 0.03 ng/ul

RT: 19.51 min Scan# 1178

Delta R.T. -0.03 min

Lab File: BM003565.D

Acq: 16 Dec 2015 01:07

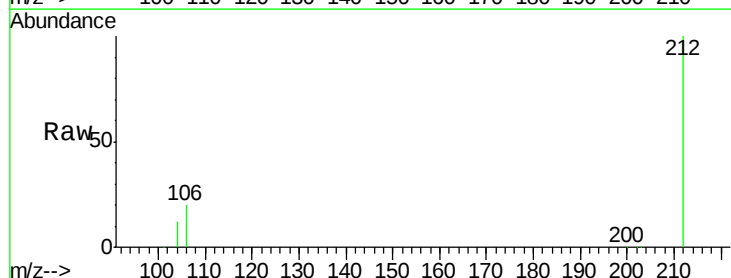
Tgt Ion:202 Resp: 2363

Ion Ratio Lower Upper

202 100

200 6.6 17.8 26.8#

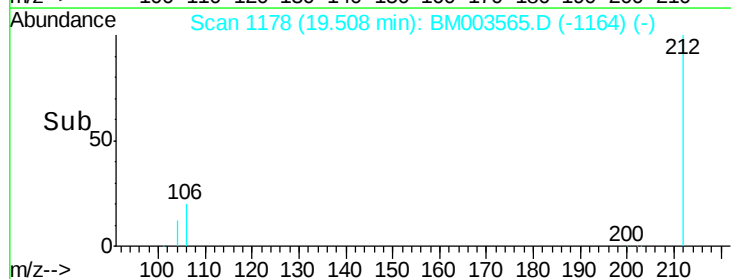
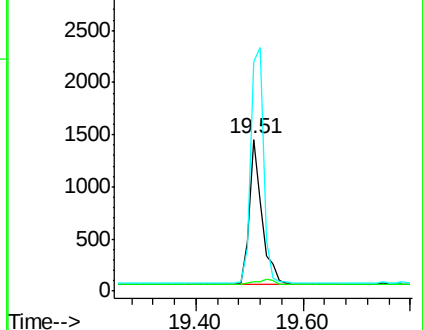
203 151.1 12.8 19.2#

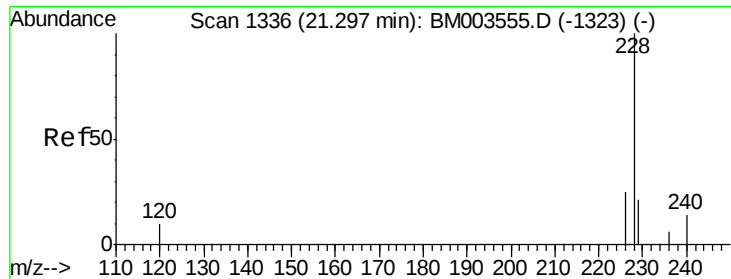


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#20

Benzo(a)anthracene

Concen: 0.01 ng/ul

RT: 21.29 min Scan# 1336

Delta R.T. -0.00 min

Lab File: BM003565.D

Acq: 16 Dec 2015 01:07

Instrument :

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ClientSampleId :

A4KX5

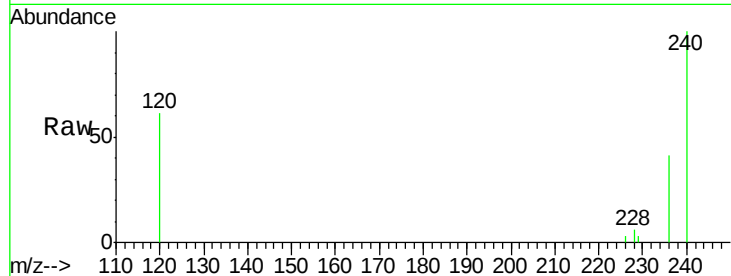
Tgt Ion:228 Resp: 460

Ion Ratio Lower Upper

228 100

226 42.8 18.8 28.2#

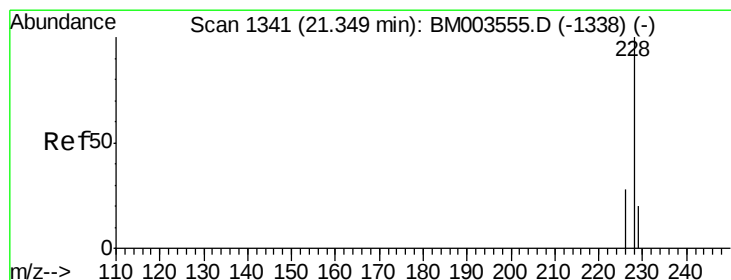
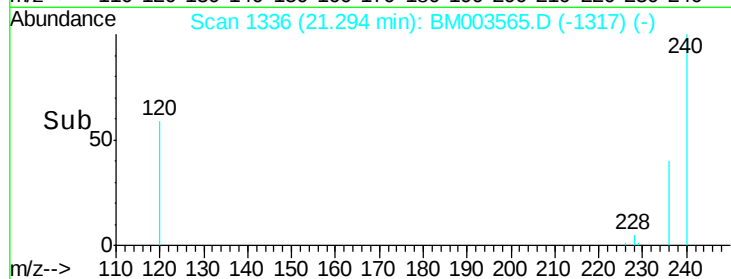
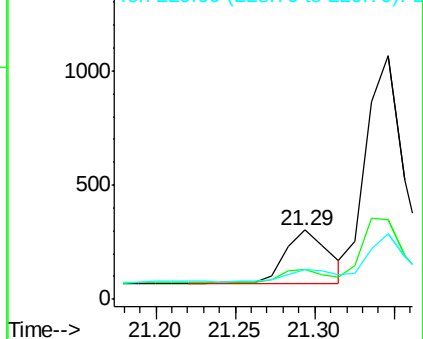
229 43.1 17.1 25.7#



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: 0.02 ng/ul

RT: 21.35 min Scan# 1341

Delta R.T. -0.00 min

Lab File: BM003565.D

Acq: 16 Dec 2015 01:07

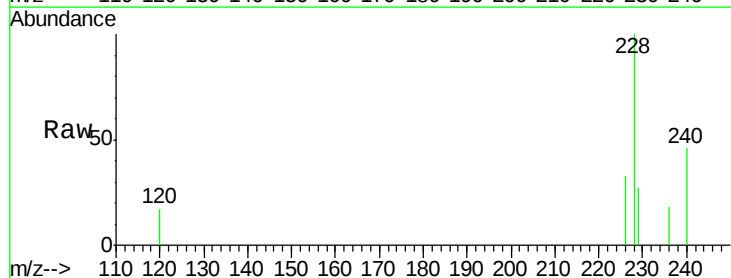
Tgt Ion:228 Resp: 1780

Ion Ratio Lower Upper

228 100

226 32.6 21.2 31.8#

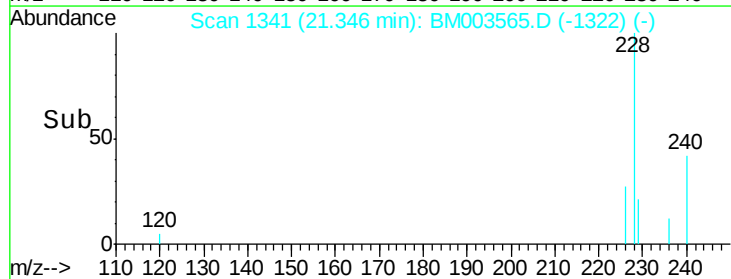
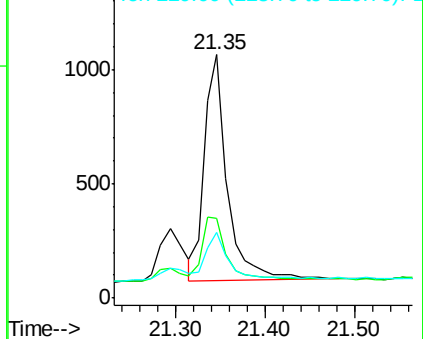
229 27.0 17.0 25.6#

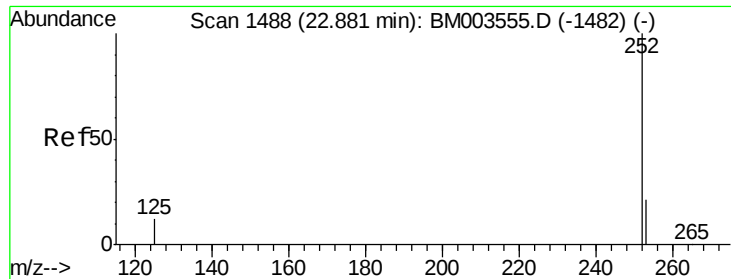


Abundance Ion 228.00 (227.70 to 228.70): E

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: 22.88 min Scan# 1488

Delta R.T. -0.00 min

Lab File: BM003565.D

Acq: 16 Dec 2015 01:07

Instrument :

BNA_M

ClientSampleId :

A4KX5

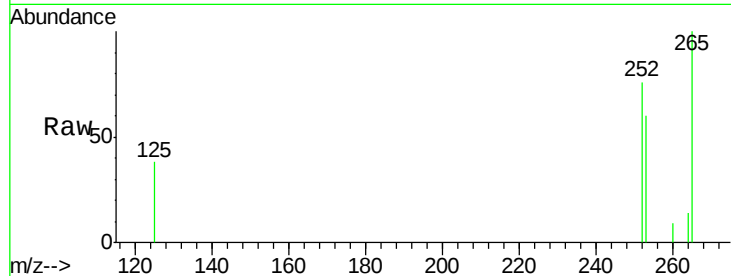
Tgt Ion:252 Resp: 816

Ion Ratio Lower Upper

252 100

253 79.7 0.0 45.4#

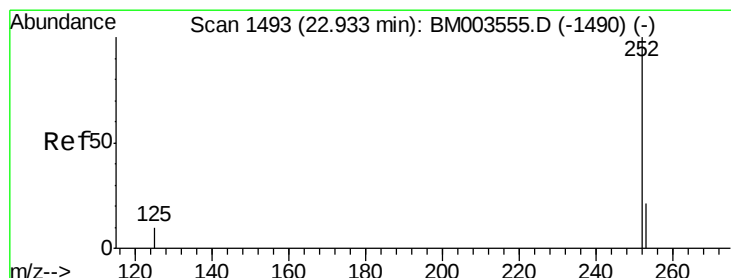
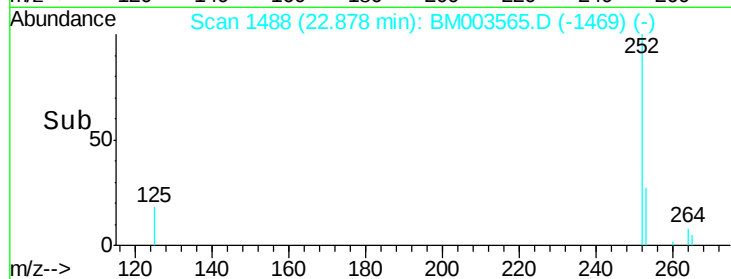
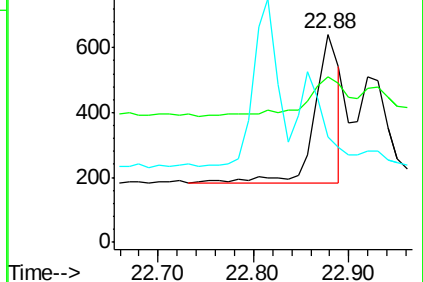
125 50.4 0.0 28.8#



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: 0.00 ng/u1

RT: 22.88 min Scan# 1488

Delta R.T. -0.06 min

Lab File: BM003565.D

Acq: 16 Dec 2015 01:07

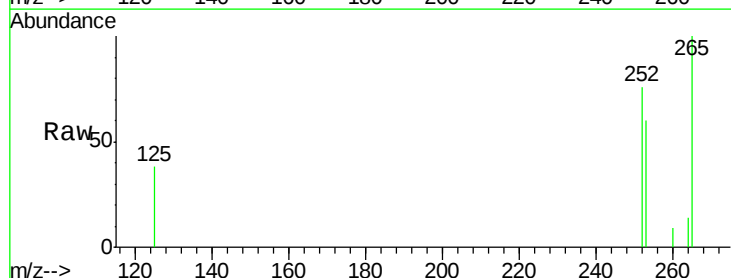
Tgt Ion:252 Resp: 1051

Ion Ratio Lower Upper

252 100

253 79.7 19.8 29.8#

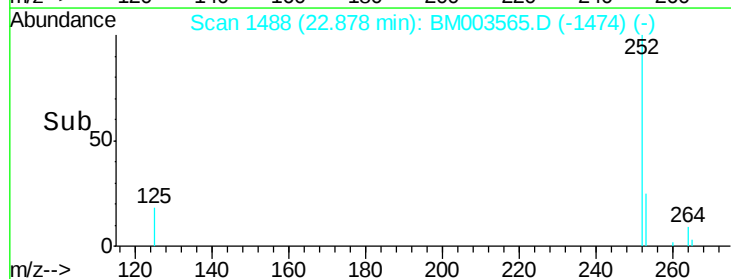
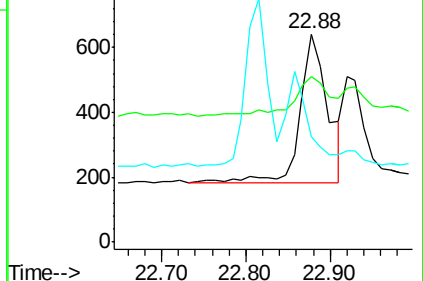
125 50.4 10.4 15.6#

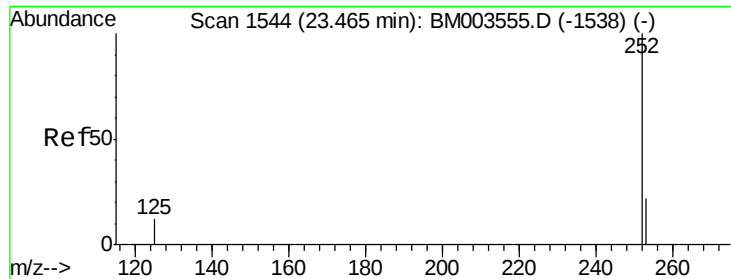


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#25

Benzo(a)pyrene

Concen: 0.00 ng/ul

RT: 23.41 min Scan# 1539

Delta R.T. -0.06 min

Lab File: BM003565.D

Acq: 16 Dec 2015 01:07

Instrument :

BNA_M

ClientSampleId :

A4KX5

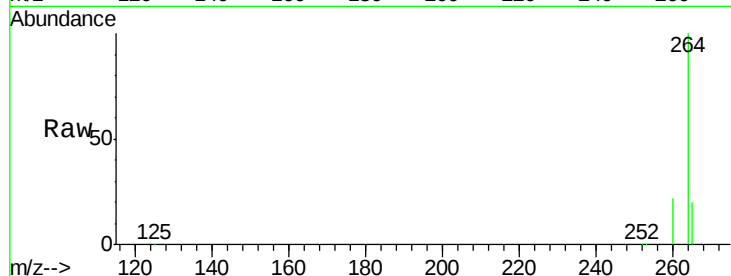
Tgt Ion: 252 Resp: 4884

Ion Ratio Lower Upper

252 100

253 39.1 19.4 29.2#

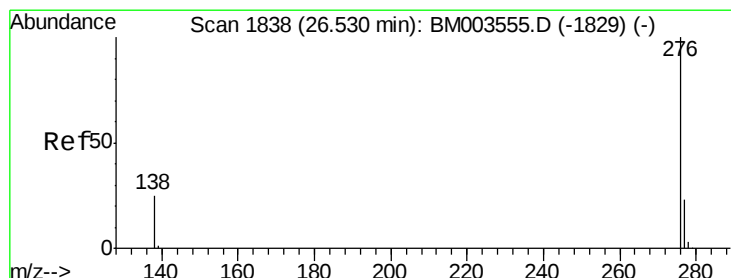
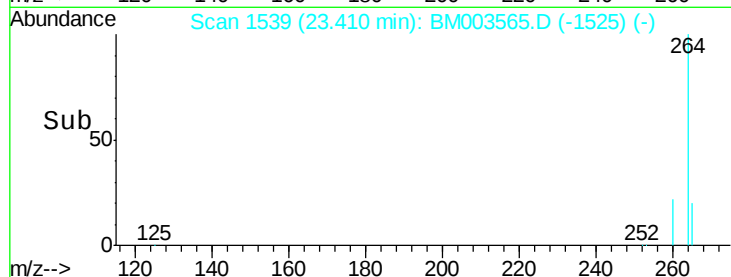
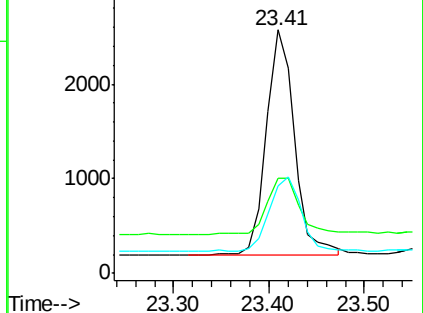
125 35.9 12.7 19.1#



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



#28

Benzo(g,h,i)perylene

Concen: 0.00 ng/ul

RT: 26.40 min Scan# 1826

Delta R.T. -0.13 min

Lab File: BM003565.D

Acq: 16 Dec 2015 01:07

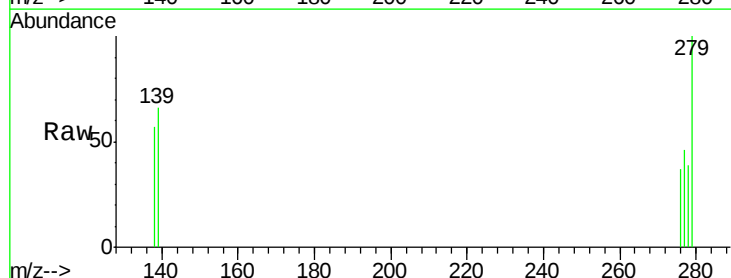
Tgt Ion: 276 Resp: 4

Ion Ratio Lower Upper

276 100

277 126.2 18.9 28.3#

138 155.7 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

