

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM121515\
 Data File : BM003570.D
 Acq On : 16 Dec 2015 04:07
 Operator : UM/IZ
 Sample : G4734-20
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 A4KY1

Quant Time: Dec 16 05:59:21 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	4932	0.40	ng/ul	0.00
4) Naphthalene-d8	10.50	136	20035	0.40	ng/ul	0.00
8) Acenaphthene-d10	14.37	164	10722	0.40	ng/ul	0.00
12) Phenanthrene-d10	17.21	188	1180924	0.40	ng/ul	0.10
18) Chrysene-d12	21.30	240	17531	0.40	ng/ul	-0.01
22) Perylene-d12	23.42	264	994273	0.40	ng/ul	-0.15

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
2) 1,4-Dioxane-d8	3.17	96	5341	2.53	ng/uL	-0.02
6) 2-Methylnaphthalene-d10	12.10	152	6952	0.29	ng/ul	0.00
16) Fluoranthene-d10	19.14	212	12253	0.00	ng/ul	0.00

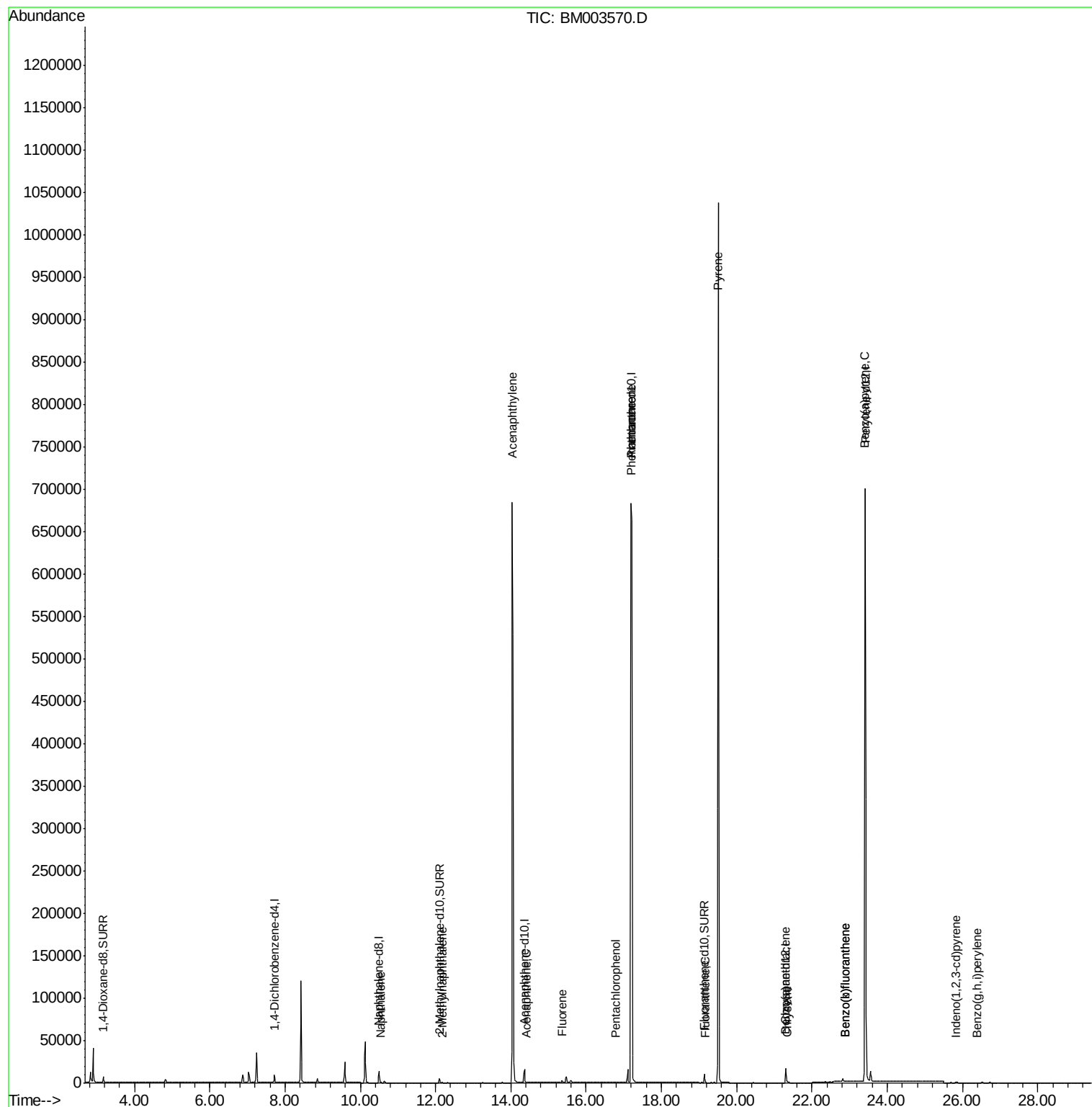
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Naphthalene	10.55	128	659	0.01	ng/ul#	67
7) 2-Methylnaphthalene	12.17	142	207	0.01	ng/ul	100
9) Acenaphthylene	14.04	152	144	0.00	ng/ul#	1
10) Acenaphthene	14.42	153	143	0.00	ng/ul#	81
11) Fluorene	15.36	166	2474	0.07	ng/ul#	20
13) Pentachlorophenol	16.78	266	129	0.00	ng/ul	92
14) Phenanthrene	17.19	178	672	0.00	ng/ul#	1
15) Anthracene	17.19	178	719	0.00	ng/ul#	1
17) Fluoranthene	19.17	202	301	0.00	ng/ul#	26
19) Pyrene	19.51	202	2272	0.05	ng/ul#	1
20) Benzo(a)anthracene	21.29	228	393	0.01	ng/ul#	56
21) Chrysene	21.35	228	1486	0.03	ng/ul#	87
23) Benzo(b)fluoranthene	22.88	252	738	0.00	ng/ul#	1
24) Benzo(k)fluoranthene	22.88	252	969	0.00	ng/ul#	1
25) Benzo(a)pyrene	23.41	252	3967	0.00	ng/ul#	60
26) Indeno(1,2,3-cd)pyrene	25.83	276	178	0.00	ng/ul#	53
28) Benzo(g,h,i)perylene	26.38	276	7	0.00	ng/ul#	1

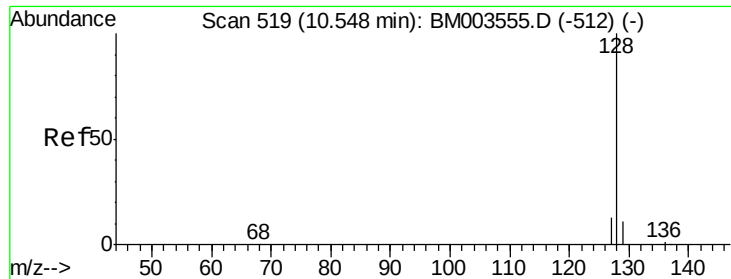
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#5

Naphthalene

Concen: 0.01 ng/ul

RT: 10.55 min Scan# 519

Delta R.T. 0.00 min

Lab File: BM003570.D

Acq: 16 Dec 2015 04:07

Instrument :

BNA_M

ClientSampleId :

A4KY1

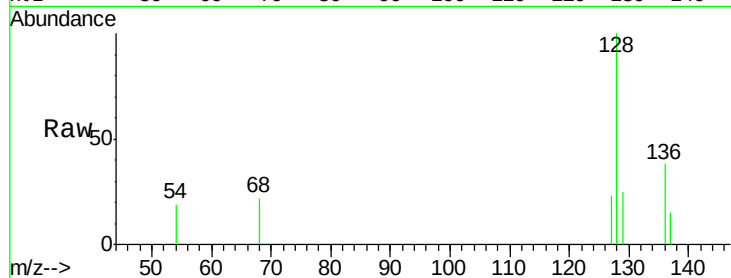
Tgt Ion:128 Resp: 659

Ion Ratio Lower Upper

128 100

129 25.1 9.0 13.6#

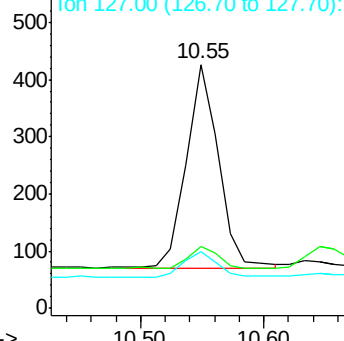
127 23.5 9.6 14.4#



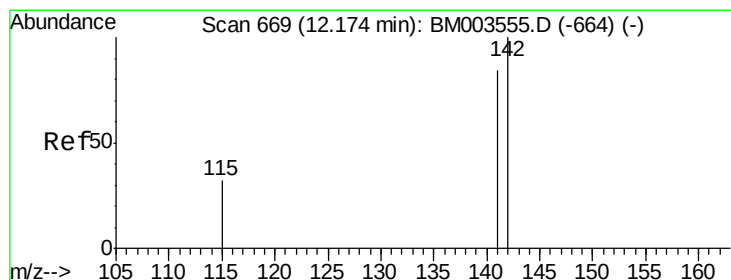
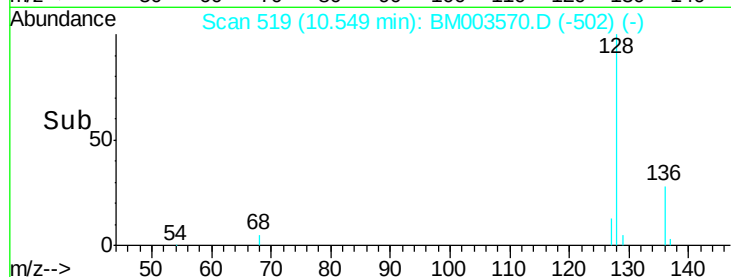
Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E



Time-->



#7

2-Methylnaphthalene

Concen: 0.01 ng/ul

RT: 12.17 min Scan# 669

Delta R.T. 0.00 min

Lab File: BM003570.D

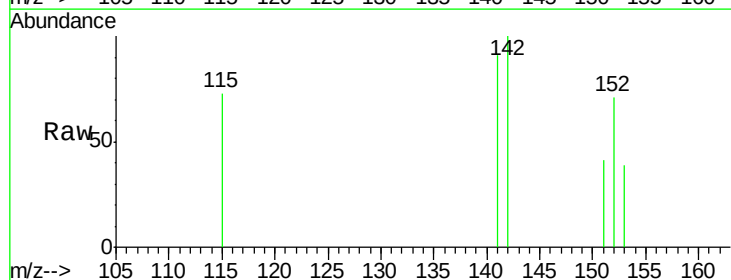
Acq: 16 Dec 2015 04:07

Tgt Ion:142 Resp: 207

Ion Ratio Lower Upper

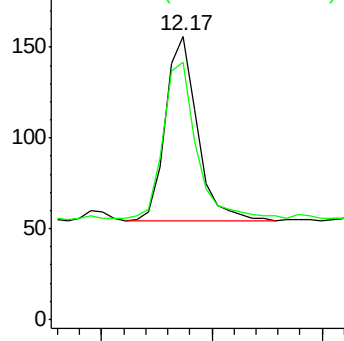
142 100

141 87.4 70.3 105.5

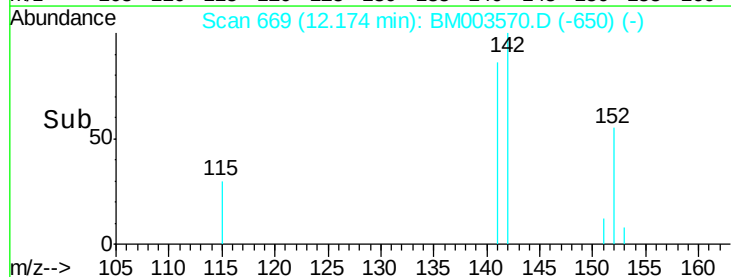


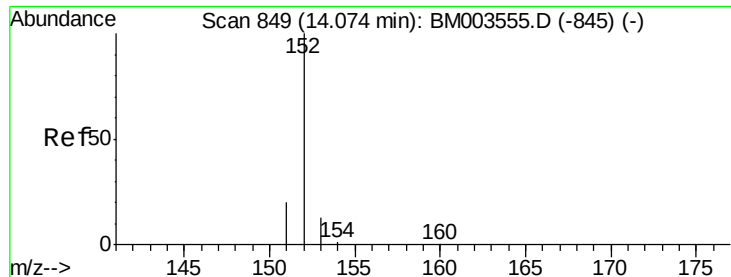
Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E



Time-->





#9

Acenaphthylene

Concen: 0.00 ng/ul

RT: 14.04 min Scan# 847

Delta R.T. -0.03 min

Lab File: BM003570.D

Acq: 16 Dec 2015 04:07

Instrument :

BNA_M

ClientSampleId :

A4KY1

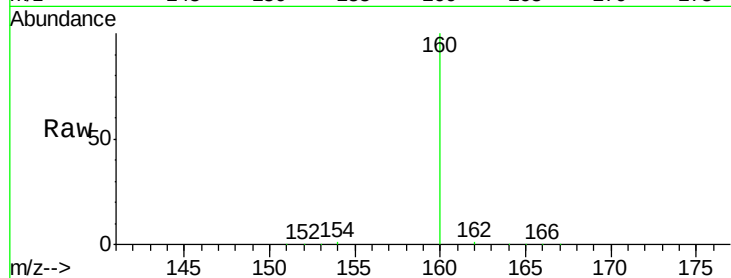
Tgt Ion:152 Resp: 144

Ion Ratio Lower Upper

152 100

151 57.8 17.6 26.4#

153 155.0 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

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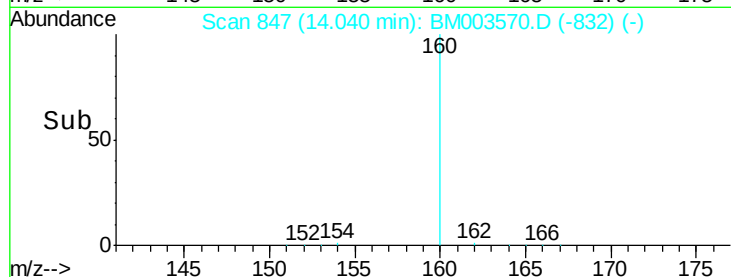
14.04

14.04

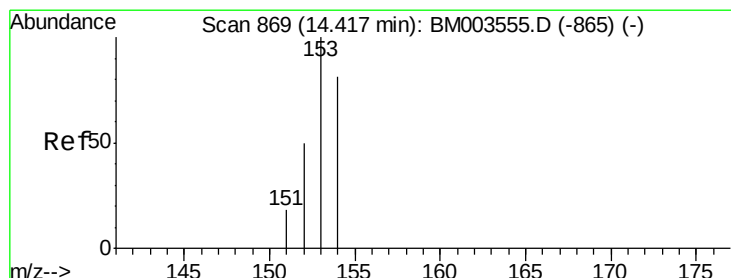
14.04

14.04

14.04



Time-->



#10

Acenaphthene

Concen: 0.00 ng/ul

RT: 14.42 min Scan# 869

Delta R.T. 0.00 min

Lab File: BM003570.D

Acq: 16 Dec 2015 04:07

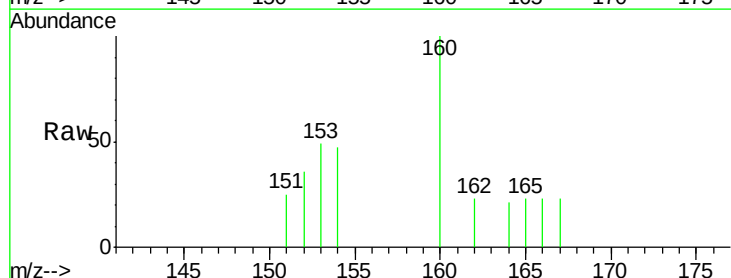
Tgt Ion:153 Resp: 143

Ion Ratio Lower Upper

153 100

152 72.8 33.9 50.9#

154 94.6 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

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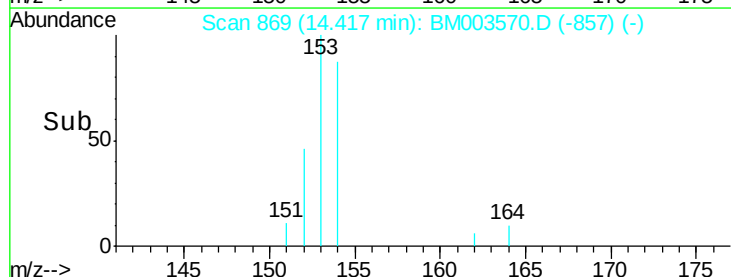
14.42

14.42

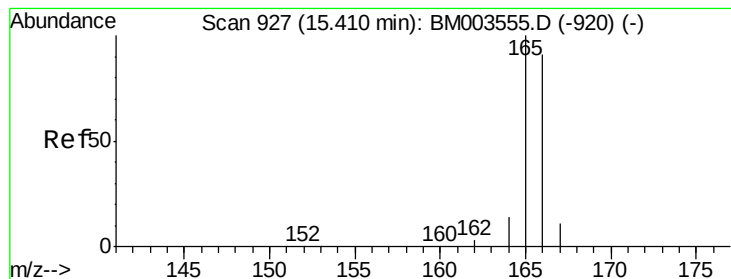
14.42

14.42

14.42



Time-->



#11

Fluorene

Concen: 0.07 ng/ul

RT: 15.36 min Scan# 924

Delta R.T. -0.05 min

Lab File: BM003570.D

Acq: 16 Dec 2015 04:07

Instrument :

BNA_M

ClientSampleId :

A4KY1

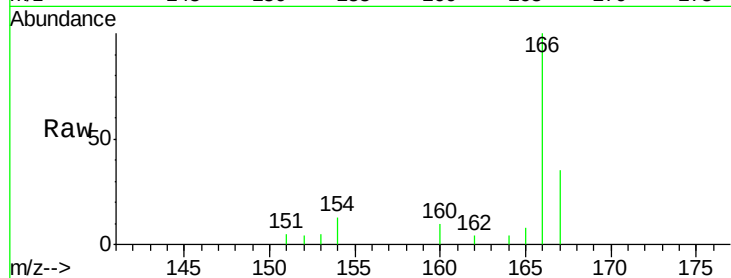
Tgt Ion:166 Resp: 2474

Ion Ratio Lower Upper

166 100

165 8.4 69.6 104.4#

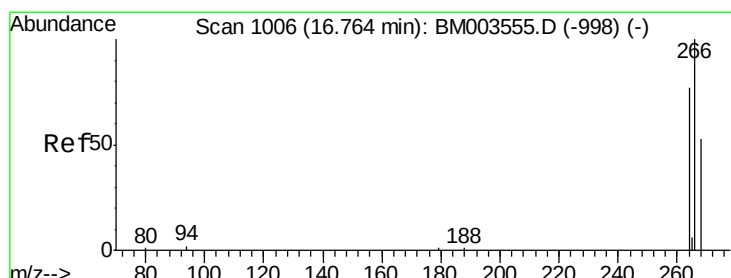
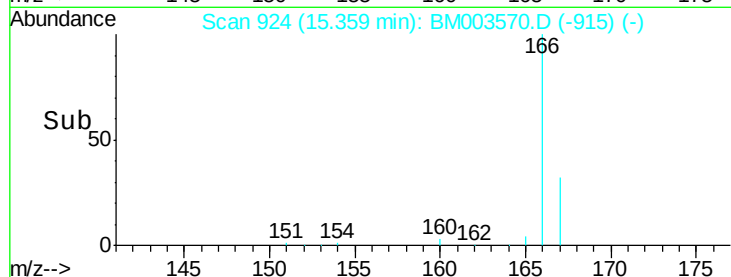
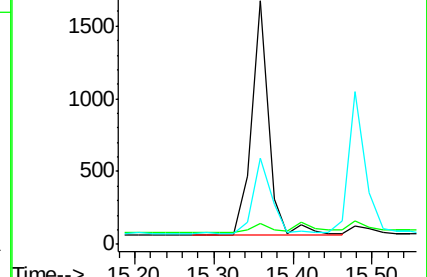
167 35.1 11.9 17.9#



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# 1007

Delta R.T. 0.02 min

Lab File: BM003570.D

Acq: 16 Dec 2015 04:07

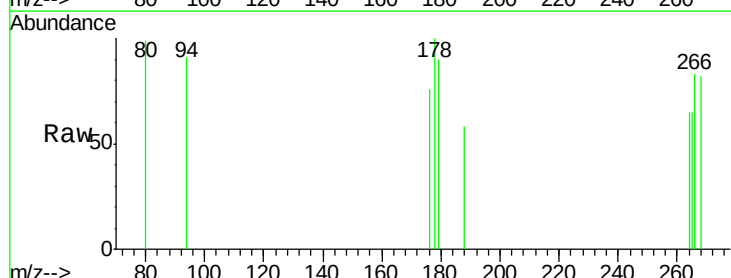
Tgt Ion:266 Resp: 129

Ion Ratio Lower Upper

266 100

264 57.4 51.8 77.8

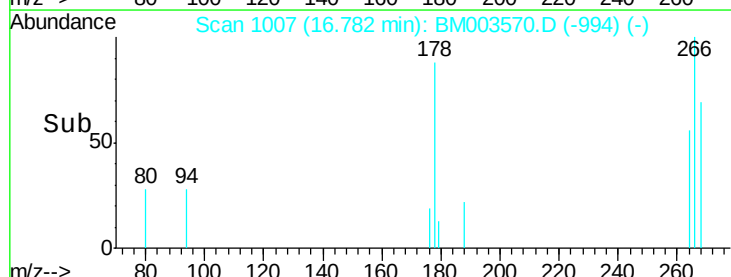
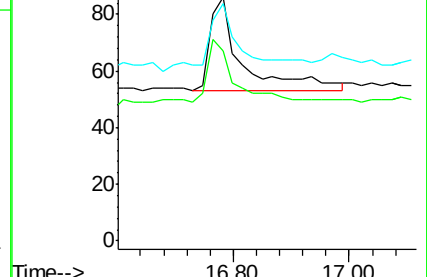
268 54.3 46.8 70.2

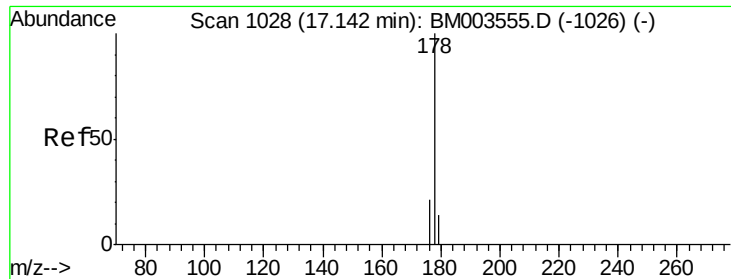


Abundance Ion 266.00 (265.70 to 266.70): E

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: 17.19 min Scan# 1031

Delta R.T. 0.05 min

Lab File: BM003570.D

Acq: 16 Dec 2015 04:07

Instrument :

BNA_M

ClientSampleId :

A4KY1

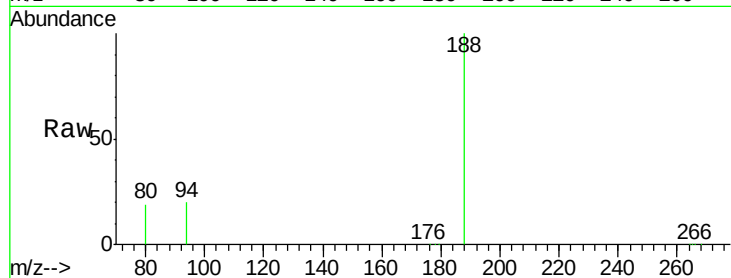
Tgt Ion:178 Resp: 672

Ion Ratio Lower Upper

178 100

176 23.3 13.0 19.4#

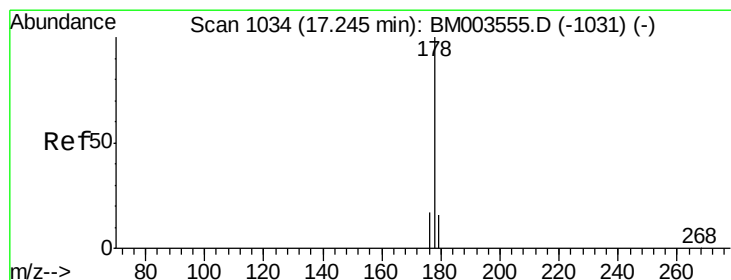
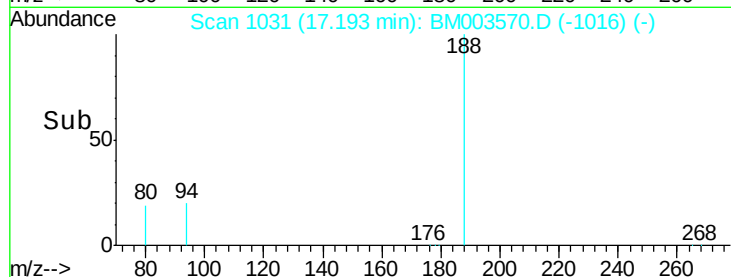
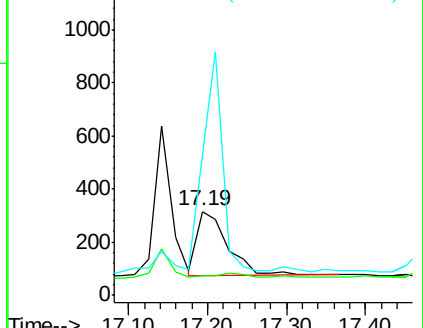
179 168.5 14.2 21.2#



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: BM003570.D

Acq: 16 Dec 2015 04:07

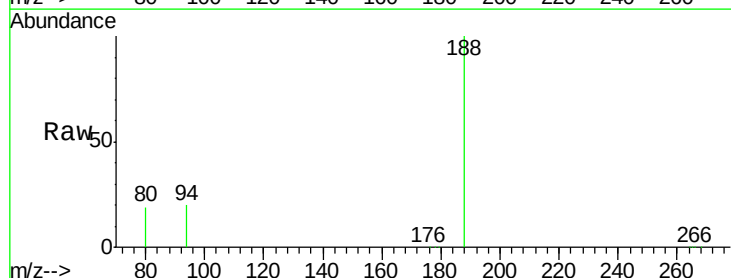
Tgt Ion:178 Resp: 719

Ion Ratio Lower Upper

178 100

176 23.3 14.0 21.0#

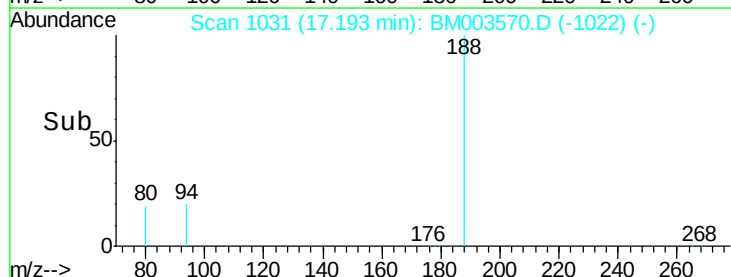
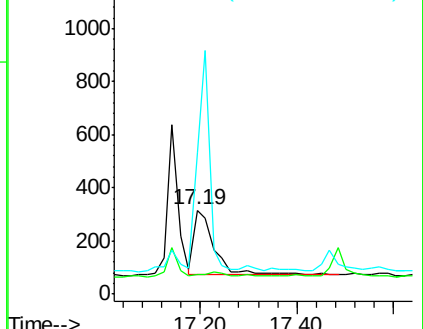
179 168.5 12.9 19.3#

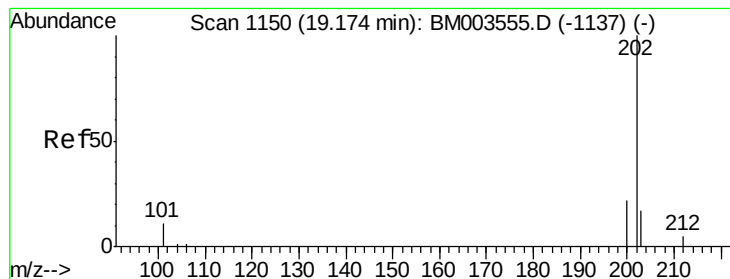


Abundance Ion 178.00 (177.70 to 178.70): E

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: BM003570.D

Acq: 16 Dec 2015 04:07

Instrument :

BNA_M

ClientSampleId :

A4KY1

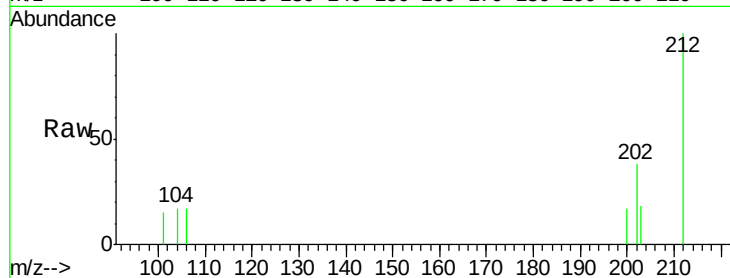
Tgt Ion:202 Resp: 301

Ion Ratio Lower Upper

202 100

101 38.6 0.0 29.6#

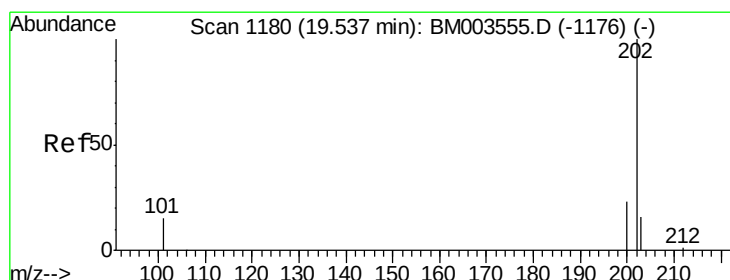
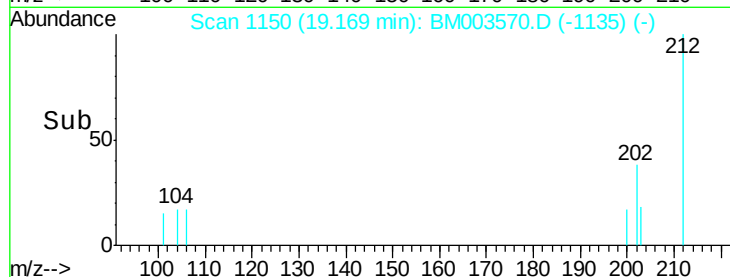
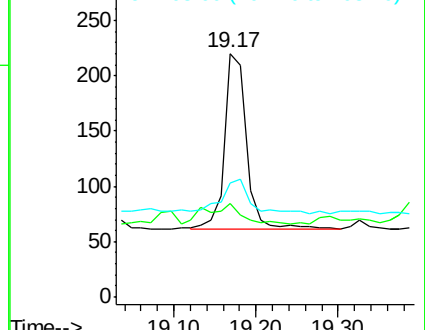
203 46.8 0.0 36.3#



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: 0.05 ng/ul

RT: 19.51 min Scan# 1178

Delta R.T. -0.03 min

Lab File: BM003570.D

Acq: 16 Dec 2015 04:07

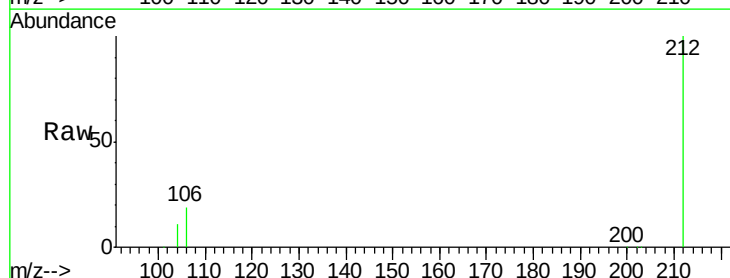
Tgt Ion:202 Resp: 2272

Ion Ratio Lower Upper

202 100

200 7.0 17.8 26.8#

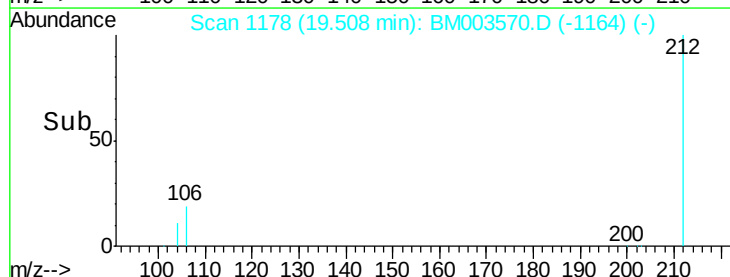
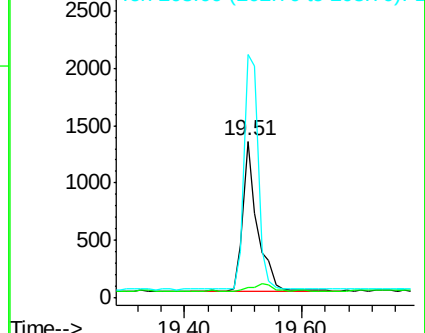
203 155.4 12.8 19.2#

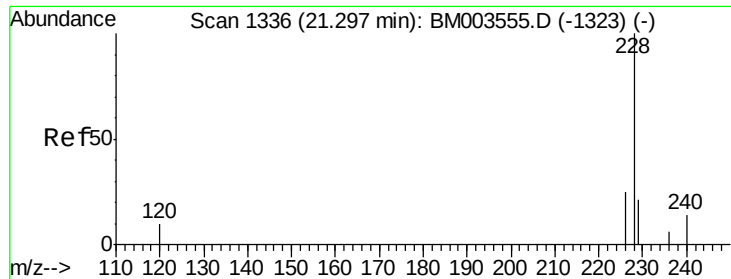


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#20

Benzo(a)anthracene

Concen: 0.01 ng/ul

RT: 21.29 min Scan# 1336

Delta R.T. -0.00 min

Lab File: BM003570.D

Acq: 16 Dec 2015 04:07

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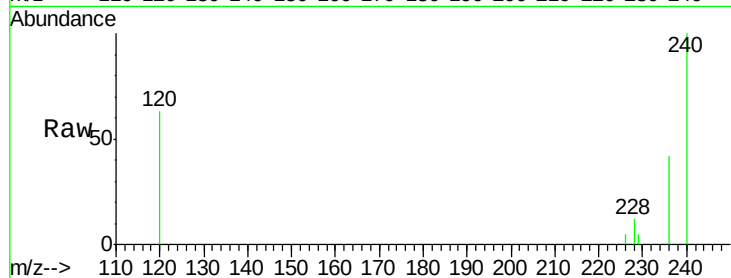
Tgt Ion:228 Resp: 393

Ion Ratio Lower Upper

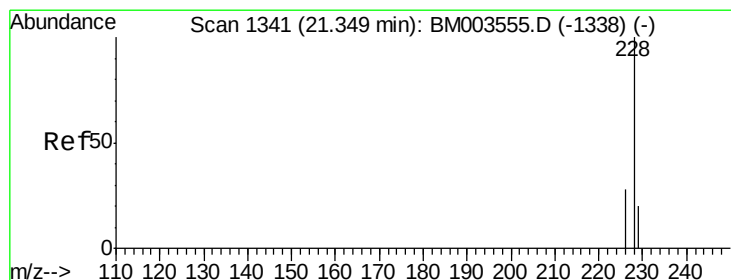
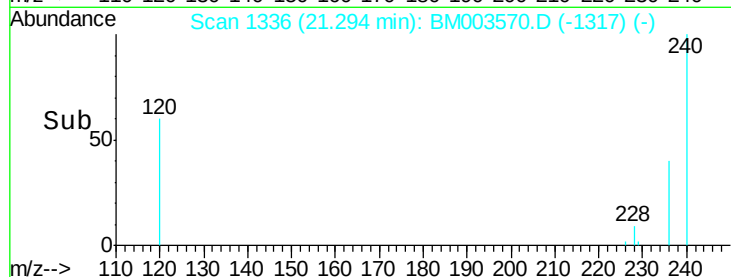
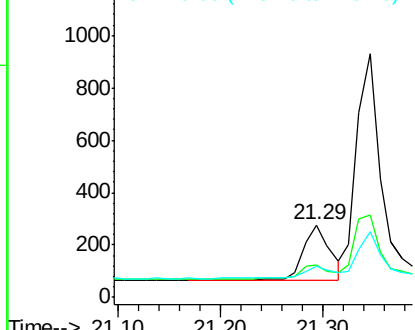
228 100

226 44.6 18.8 28.2#

229 42.4 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: 0.03 ng/ul

RT: 21.35 min Scan# 1341

Delta R.T. -0.00 min

Lab File: BM003570.D

Acq: 16 Dec 2015 04:07

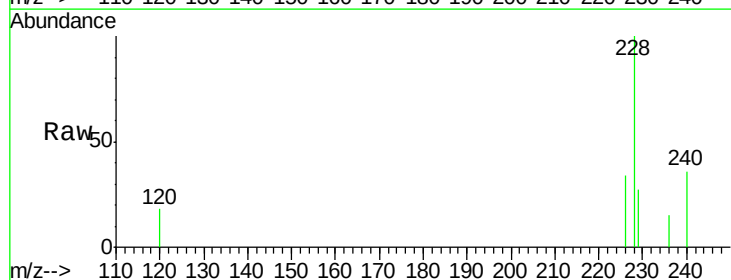
Tgt Ion:228 Resp: 1486

Ion Ratio Lower Upper

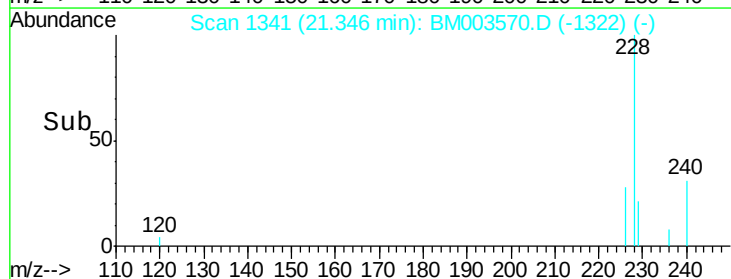
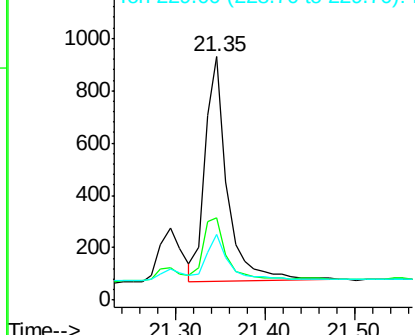
228 100

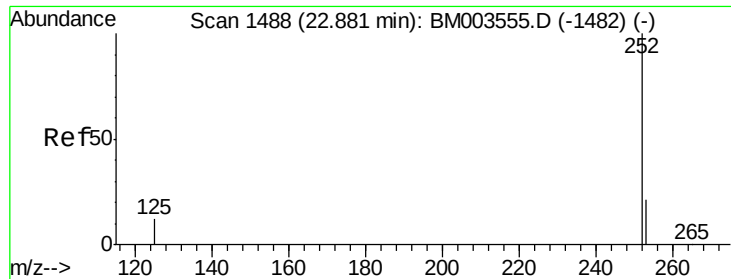
226 33.8 21.2 31.8#

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/ul

RT: 22.88 min Scan# 1488

Delta R.T. -0.00 min

Lab File: BM003570.D

Acq: 16 Dec 2015 04:07

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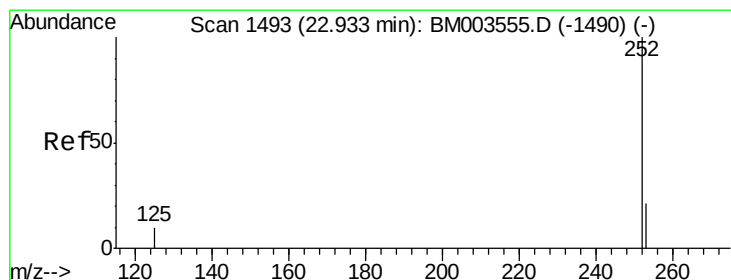
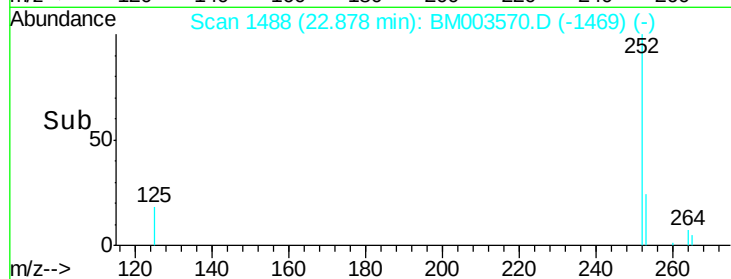
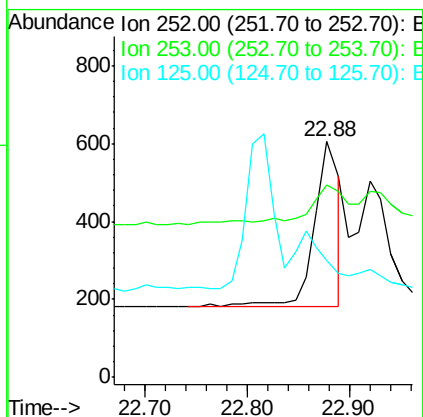
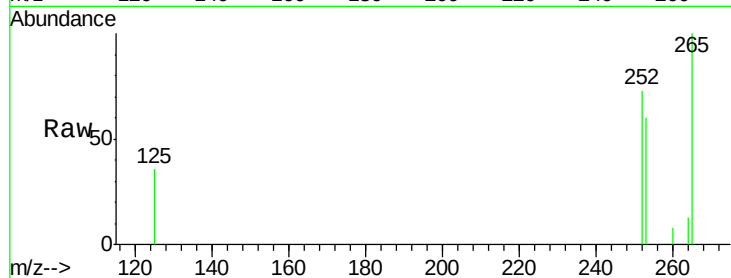
Tgt Ion:252 Resp: 738

Ion Ratio Lower Upper

252 100

253 82.0 0.0 45.4#

125 49.5 0.0 28.8#



#24

Benzo(k)fluoranthene

Concen: 0.00 ng/ul

RT: 22.88 min Scan# 1488

Delta R.T. -0.06 min

Lab File: BM003570.D

Acq: 16 Dec 2015 04:07

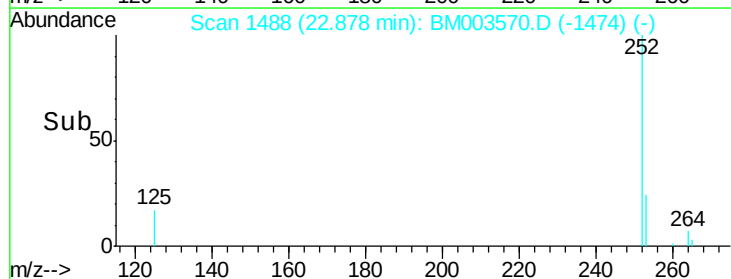
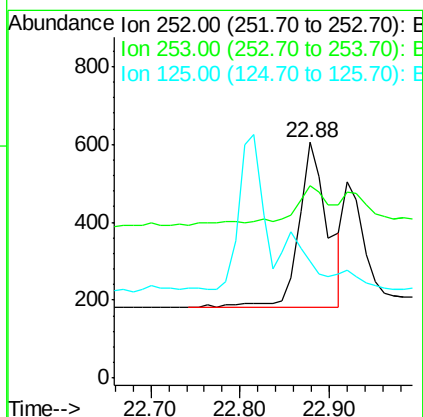
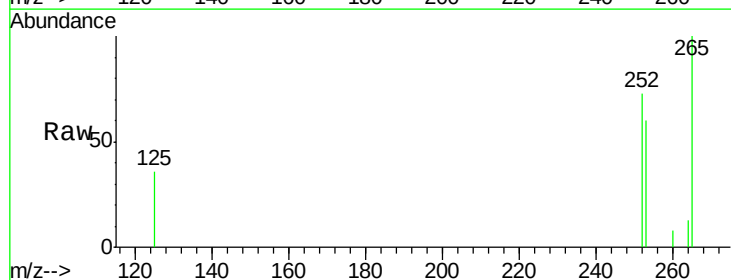
Tgt Ion:252 Resp: 969

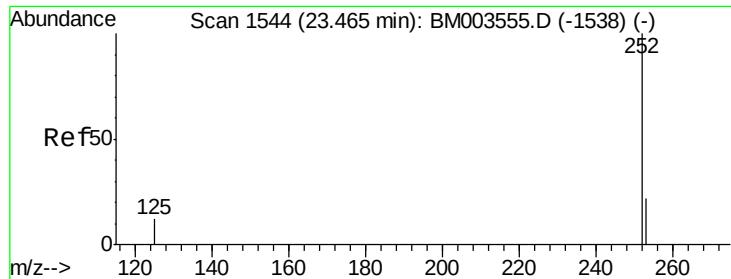
Ion Ratio Lower Upper

252 100

253 82.0 19.8 29.8#

125 49.5 10.4 15.6#





#25

Benzo(a)pyrene

Concen: 0.00 ng/ul

RT: 23.41 min Scan# 1539

Delta R.T. -0.06 min

Lab File: BM003570.D

Acq: 16 Dec 2015 04:07

Instrument :

BNA_M

ClientSampleId :

A4KY1

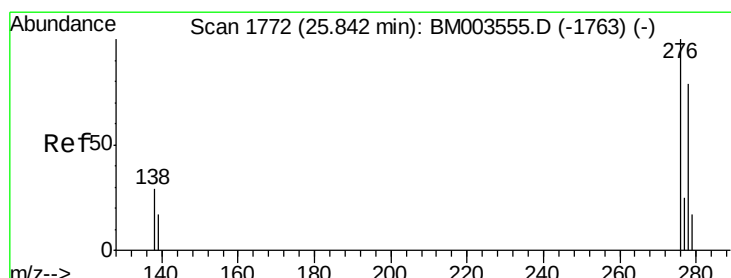
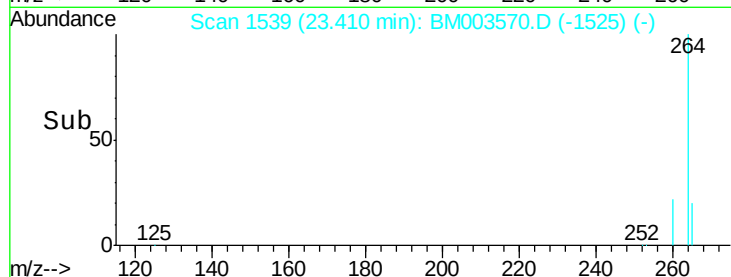
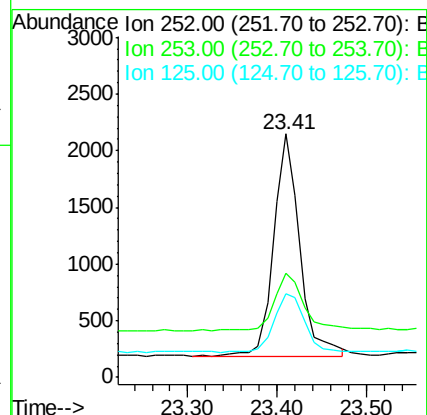
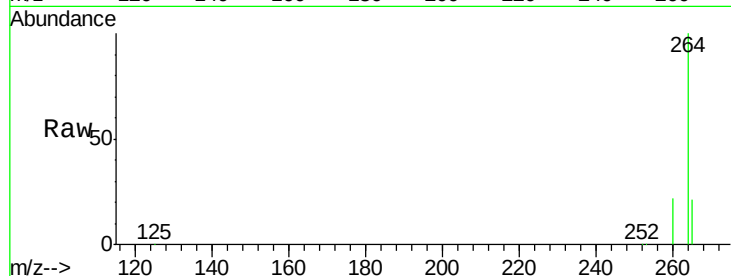
Tgt Ion:252 Resp: 3967

Ion Ratio Lower Upper

252 100

253 43.0 19.4 29.2#

125 34.4 12.7 19.1#



#26

Indeno(1,2,3-cd)pyrene

Concen: 0.00 ng/ul

RT: 25.83 min Scan# 1771

Delta R.T. -0.01 min

Lab File: BM003570.D

Acq: 16 Dec 2015 04:07

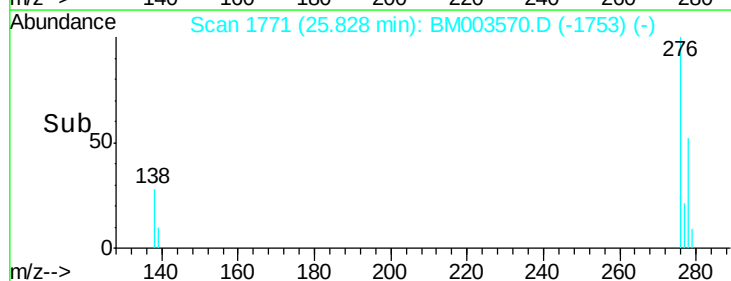
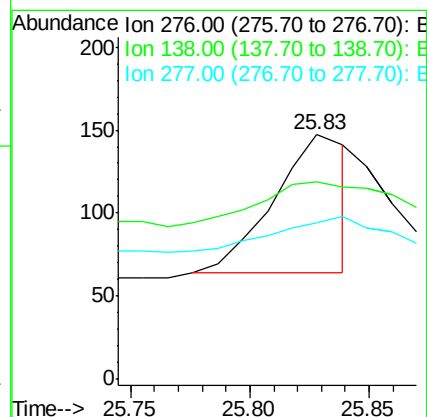
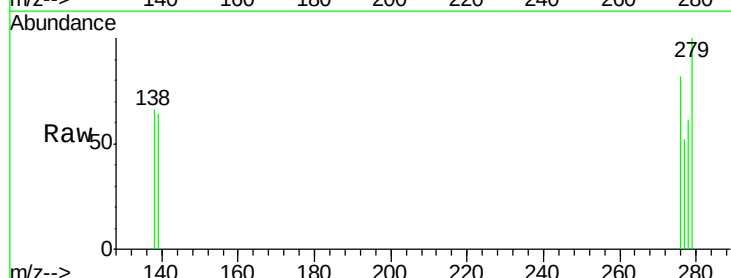
Tgt Ion:276 Resp: 178

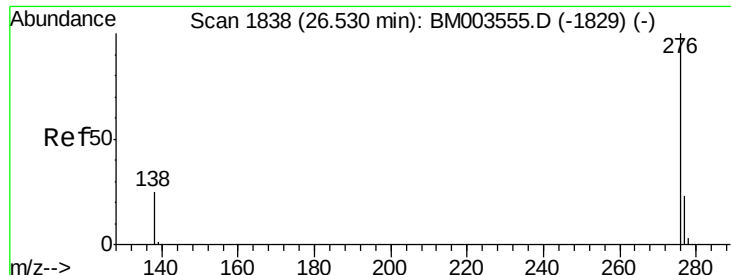
Ion Ratio Lower Upper

276 100

138 0.0 16.3 24.5#

277 0.0 19.8 29.8#





#28

Benzo(g,h,i)perylene

Concen: 0.00 ng/ul

RT: 26.38 min Scan# 1824

Delta R.T. -0.15 min

Lab File: BM003570.D

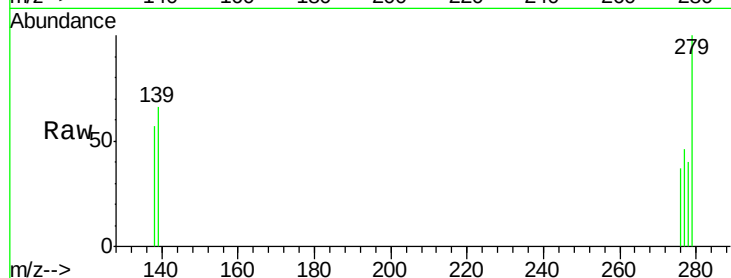
Acq: 16 Dec 2015 04:07

Instrument :

BNA_M

ClientSampleId :

A4KY1



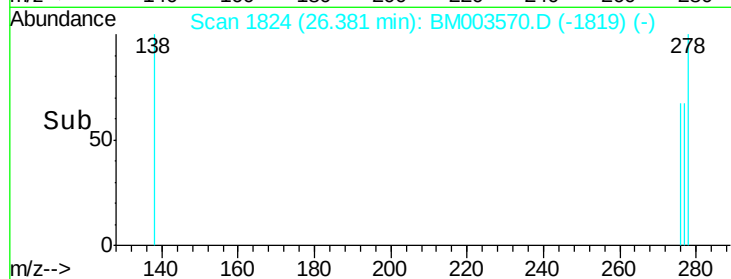
Tgt Ion: 276 Resp: 7

Ion Ratio Lower Upper

276 100

277 126.2 18.9 28.3#

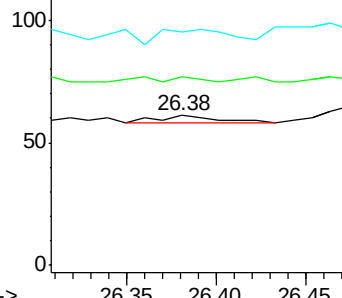
138 155.7 22.5 33.7#



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



Time-->