

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM121515\
 Data File : BM003563.D
 Acq On : 15 Dec 2015 23:55
 Operator : UM/IZ
 Sample : G4734-06
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 A4KW4

Quant Time: Dec 16 05:57:12 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	5099	0.40	ng/ul	0.00
4) Naphthalene-d8	10.50	136	20575	0.40	ng/ul	0.00
8) Acenaphthene-d10	14.37	164	11226	0.40	ng/ul	0.00
12) Phenanthrene-d10	17.21	188	1500013	0.40	ng/ul	0.10
18) Chrysene-d12	21.30	240	18090	0.40	ng/ul	-0.01
22) Perylene-d12	23.41	264	1250676	0.40	ng/ul	-0.16

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
2) 1,4-Dioxane-d8	3.17	96	6726	3.09	ng/uL	-0.02
6) 2-Methylnaphthalene-d10	12.10	152	8826	0.36	ng/ul	0.00
16) Fluoranthene-d10	19.14	212	15371	0.00	ng/ul	0.00

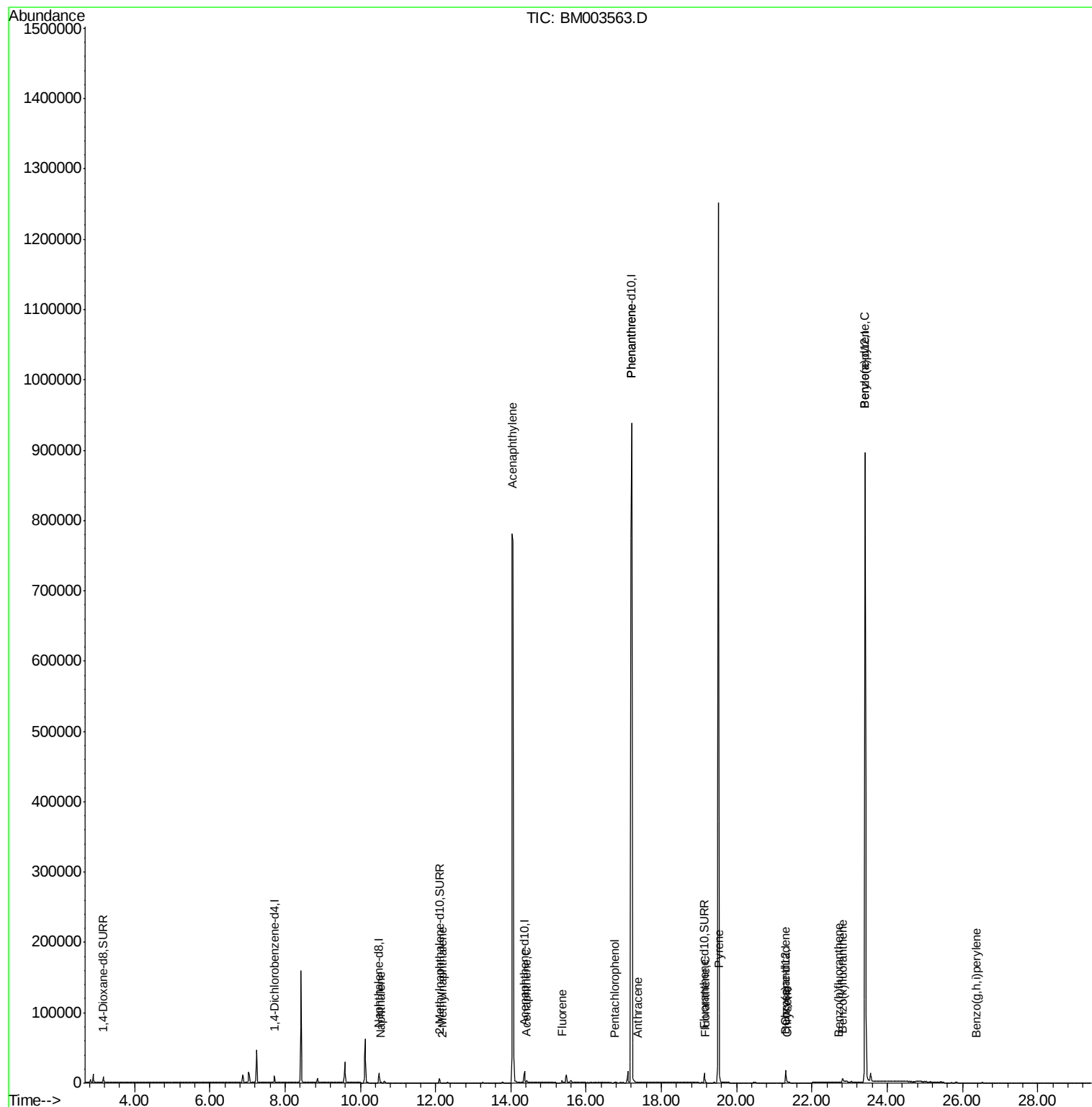
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Naphthalene	10.55	128	367	0.01	ng/ul#	47
7) 2-Methylnaphthalene	12.17	142	72	0.00	ng/ul	99
9) Acenaphthylene	14.04	152	157	0.00	ng/ul#	1
10) Acenaphthene	14.42	153	1898	0.05	ng/ul#	86
11) Fluorene	15.36	166	3099	0.08	ng/ul#	20
13) Pentachlorophenol	16.76	266	297	0.00	ng/ul	93
14) Phenanthrene	17.21	178	1204	0.00	ng/ul#	1
15) Anthracene	17.38	178	97	0.00	ng/ul#	1
17) Fluoranthene	19.17	202	1758	0.00	ng/ul	83
19) Pyrene	19.53	202	7219	0.15	ng/ul#	84
20) Benzo(a)anthracene	21.29	228	558	0.01	ng/ul#	57
21) Chrysene	21.35	228	1960	0.04	ng/ul#	87
23) Benzo(b)fluoranthene	22.72	252	14	0.00	ng/ul#	1
24) Benzo(k)fluoranthene	22.82	252	29	0.00	ng/ul#	1
25) Benzo(a)pyrene	23.41	252	4908	0.00	ng/ul#	64
28) Benzo(g,h,i)perylene	26.36	276	10	0.00	ng/ul#	1

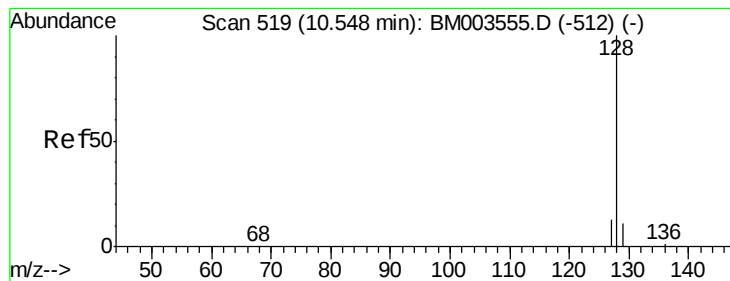
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM121515\
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Quant Time: Dec 16 05:57:12 2015
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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: BM003563.D

Acq: 15 Dec 2015 23:55

Instrument :

BNA_M

ClientSampleId :

A4KW4

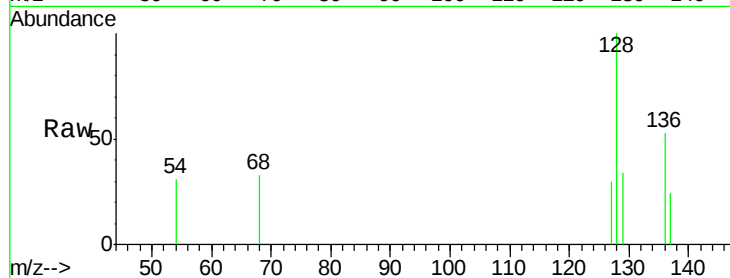
Tgt Ion:128 Resp: 367

Ion Ratio Lower Upper

128 100

129 34.1 9.0 13.6#

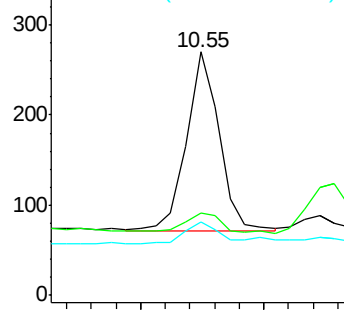
127 30.4 9.6 14.4#



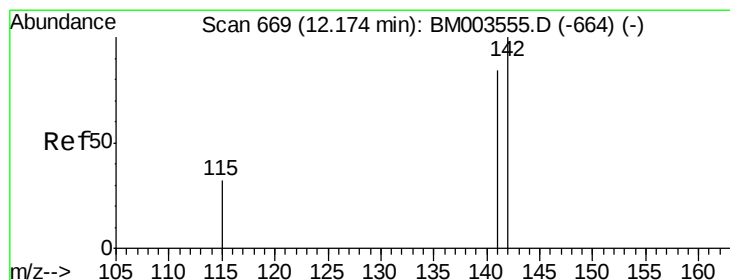
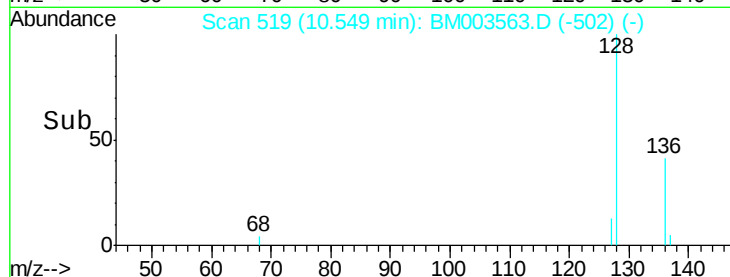
Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E



Time-->



#7

2-Methylnaphthalene

Concen: 0.00 ng/ul

RT: 12.17 min Scan# 669

Delta R.T. 0.00 min

Lab File: BM003563.D

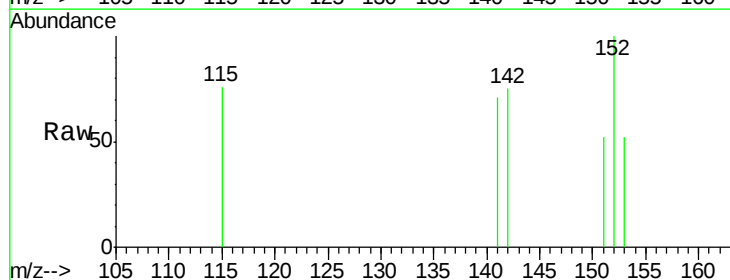
Acq: 15 Dec 2015 23:55

Tgt Ion:142 Resp: 72

Ion Ratio Lower Upper

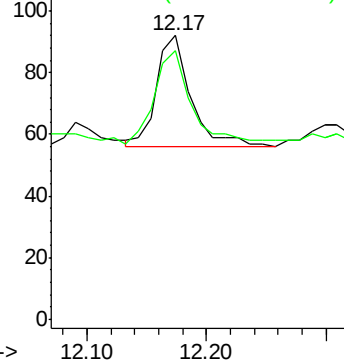
142 100

141 88.9 70.3 105.5

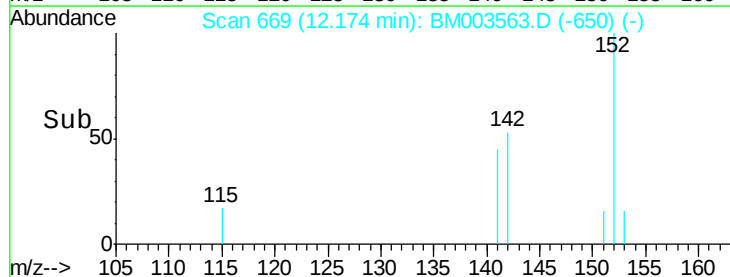


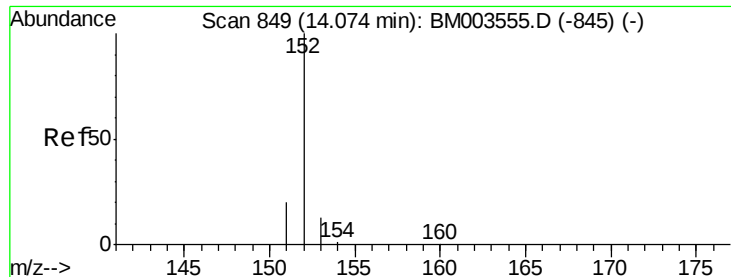
Abundance Ion 142.00 (141.70 to 142.70): E

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: BM003563.D

Acq: 15 Dec 2015 23:55

Instrument :

BNA_M

ClientSampled :

A4KW4

Tgt Ion:152 Resp: 157

Ion Ratio Lower Upper

152 100

151 53.1 17.6 26.4#

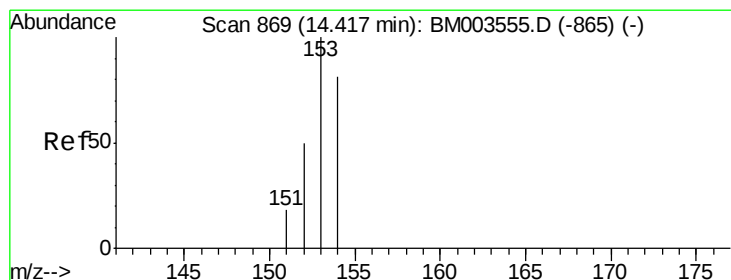
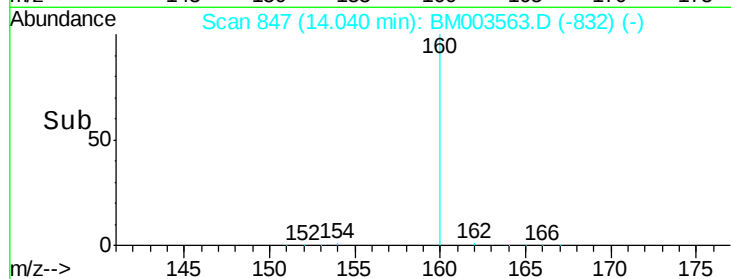
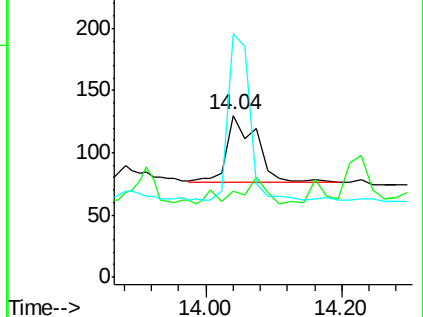
153 150.8 9.7 14.5#



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: 0.05 ng/ul

RT: 14.42 min Scan# 869

Delta R.T. 0.00 min

Lab File: BM003563.D

Acq: 15 Dec 2015 23:55

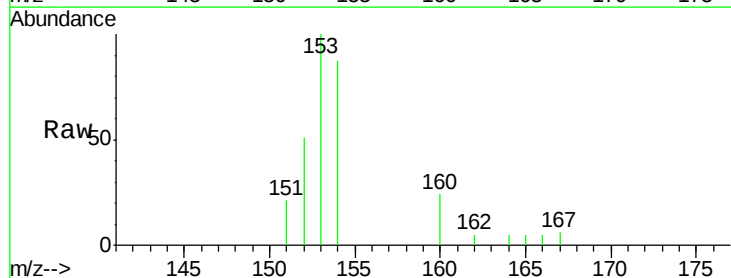
Tgt Ion:153 Resp: 1898

Ion Ratio Lower Upper

153 100

152 50.9 33.9 50.9#

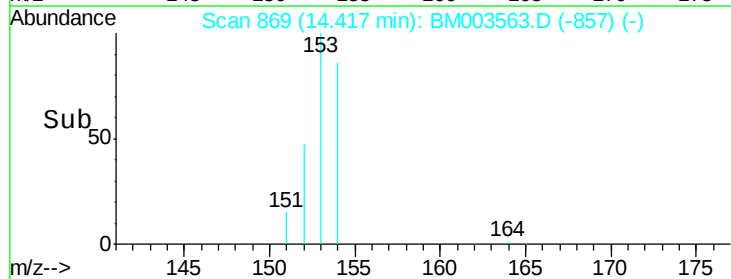
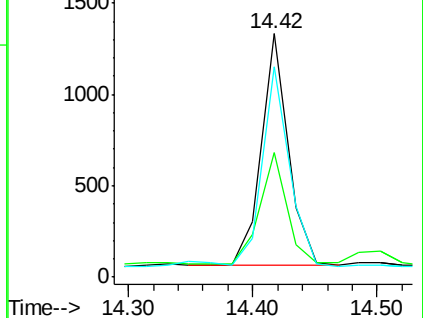
154 86.6 80.6 121.0

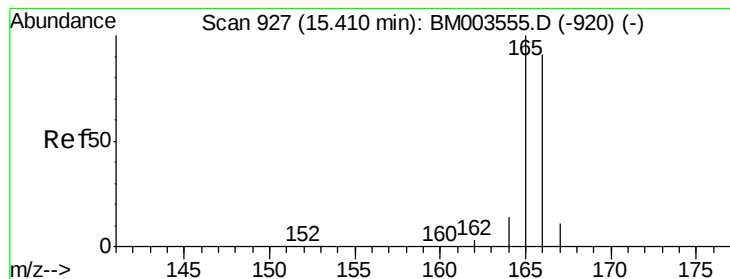


Abundance Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

Ion 154.00 (153.70 to 154.70): E





#11

Fluorene

Concen: 0.08 ng/ul

RT: 15.36 min Scan# 924

Delta R.T. -0.05 min

Lab File: BM003563.D

Acq: 15 Dec 2015 23:55

Instrument :

BNA_M

ClientSampleId :

A4KW4

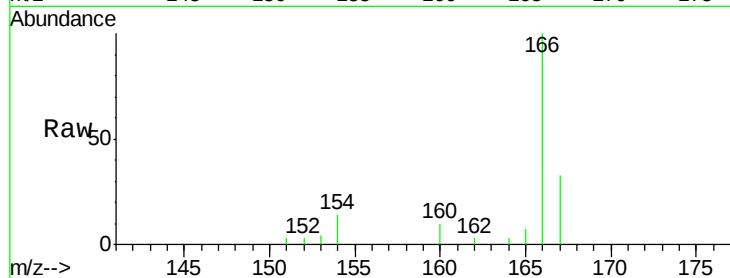
Tgt Ion:166 Resp: 3099

Ion Ratio Lower Upper

166 100

165 7.0 69.6 104.4#

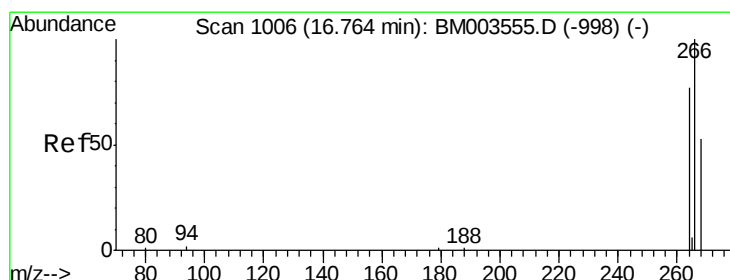
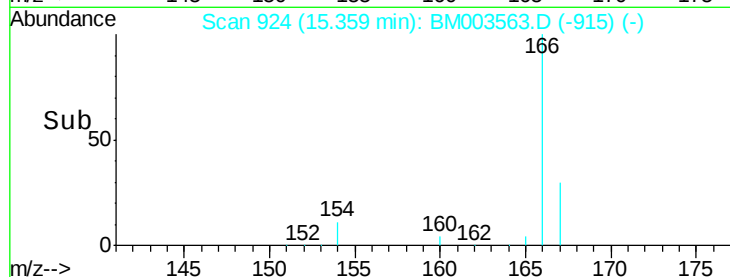
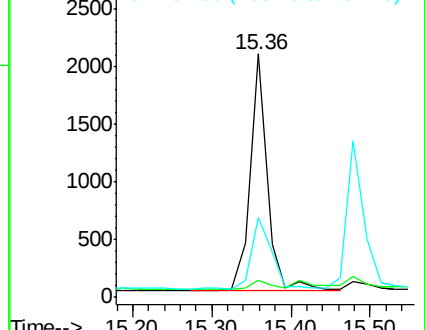
167 33.0 11.9 17.9#



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: 16.76 min Scan# 1006

Delta R.T. 0.00 min

Lab File: BM003563.D

Acq: 15 Dec 2015 23:55

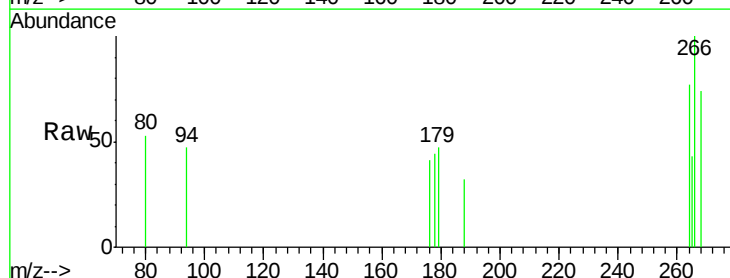
Tgt Ion:266 Resp: 297

Ion Ratio Lower Upper

266 100

264 67.0 51.8 77.8

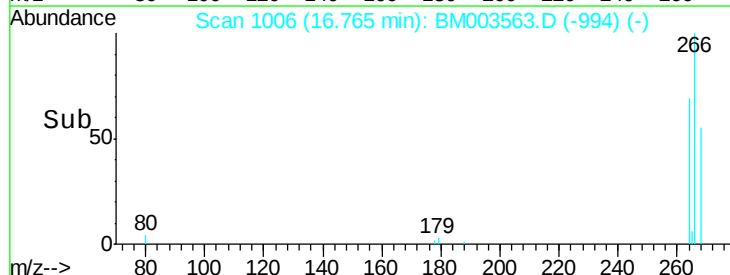
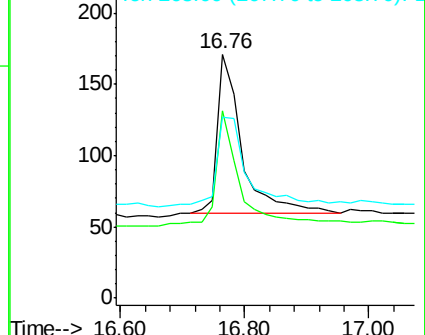
268 67.0 46.8 70.2

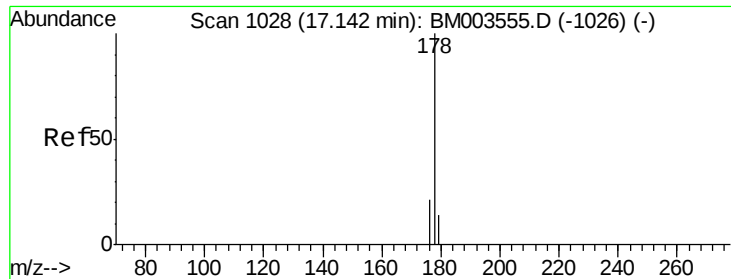


Abundance Ion 266.00 (265.70 to 266.70): E

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: 17.21 min Scan# 1032

Delta R.T. 0.07 min

Lab File: BM003563.D

Acq: 15 Dec 2015 23:55

Instrument :

BNA_M

ClientSampleId :

A4KW4

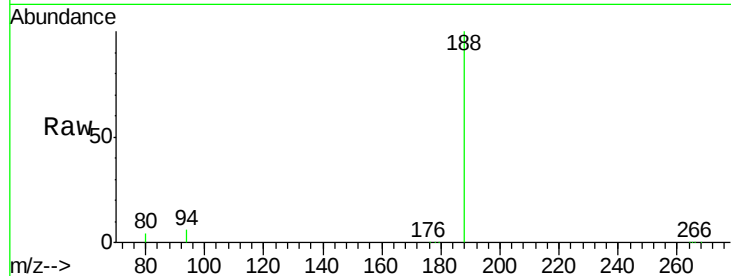
Tgt Ion:178 Resp: 1204

Ion Ratio Lower Upper

178 100

176 19.6 13.0 19.4#

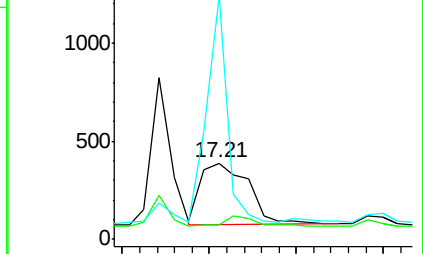
179 319.6 14.2 21.2#



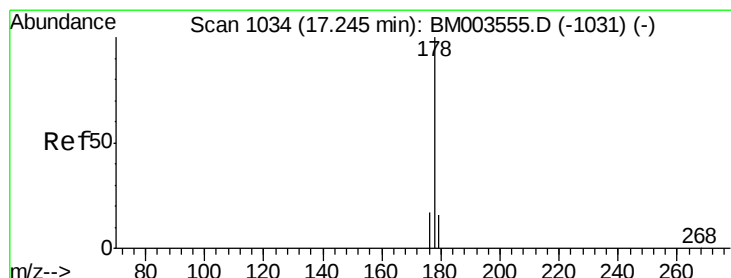
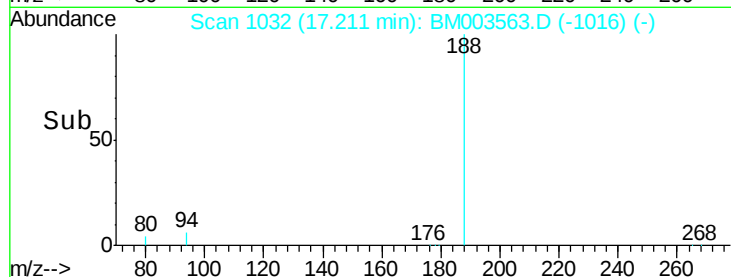
Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



Time-->



#15

Anthracene

Concen: 0.00 ng/ul

RT: 17.38 min Scan# 1042

Delta R.T. 0.14 min

Lab File: BM003563.D

Acq: 15 Dec 2015 23:55

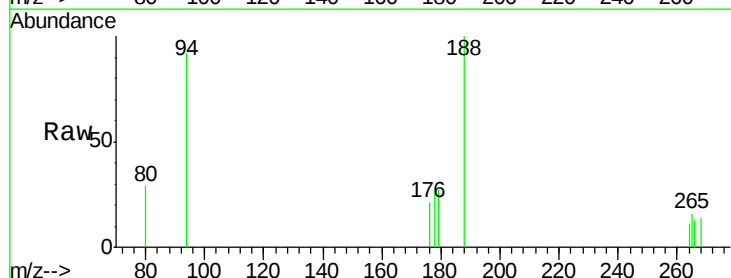
Tgt Ion:178 Resp: 97

Ion Ratio Lower Upper

178 100

176 81.7 14.0 21.0#

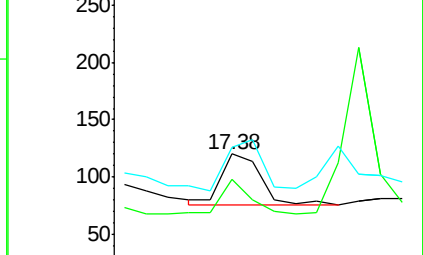
179 105.0 12.9 19.3#



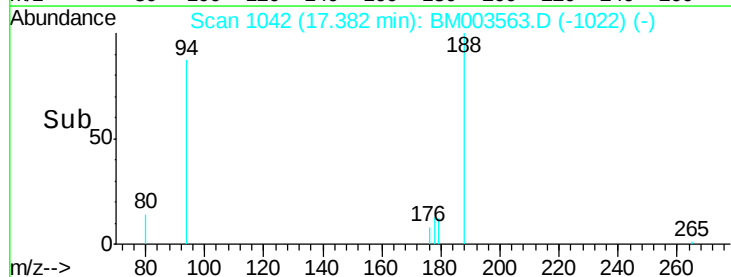
Abundance Ion 178.00 (177.70 to 178.70): E

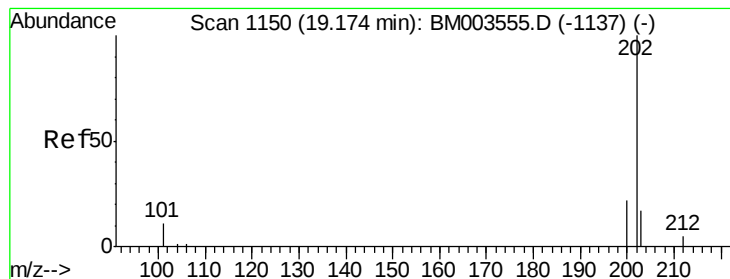
Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



Time-->





#17

Fluoranthene

Concen: 0.00 ng/ul

RT: 19.17 min Scan# 1150

Delta R.T. -0.00 min

Lab File: BM003563.D

Acq: 15 Dec 2015 23:55

Instrument :

BNA_M

ClientSampleId :

A4KW4

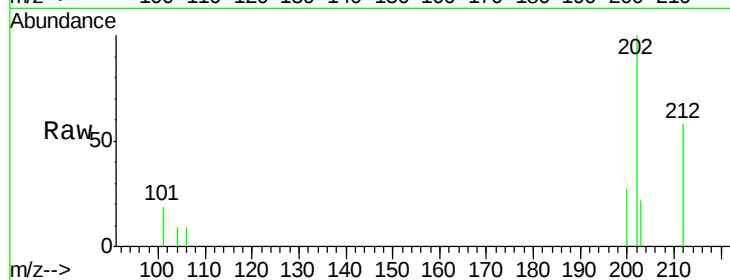
Tgt Ion:202 Resp: 1758

Ion Ratio Lower Upper

202 100

101 19.0 0.0 29.6

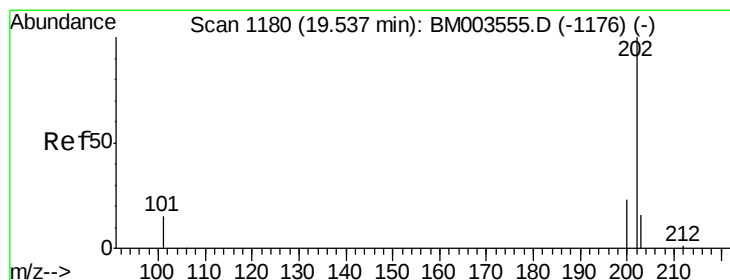
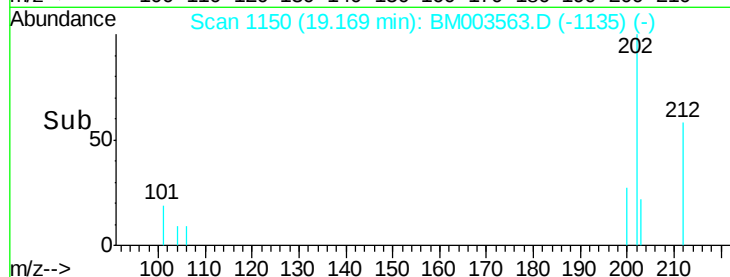
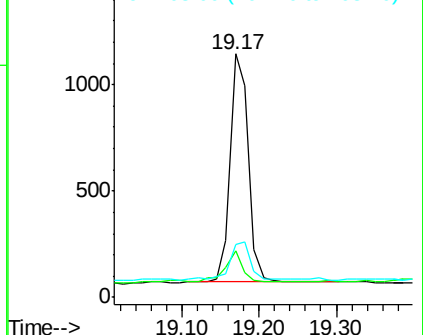
203 21.7 0.0 36.3



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: 0.15 ng/ul

RT: 19.53 min Scan# 1180

Delta R.T. -0.00 min

Lab File: BM003563.D

Acq: 15 Dec 2015 23:55

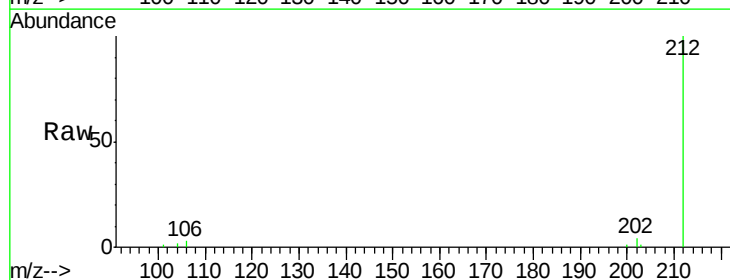
Tgt Ion:202 Resp: 7219

Ion Ratio Lower Upper

202 100

200 24.7 17.8 26.8

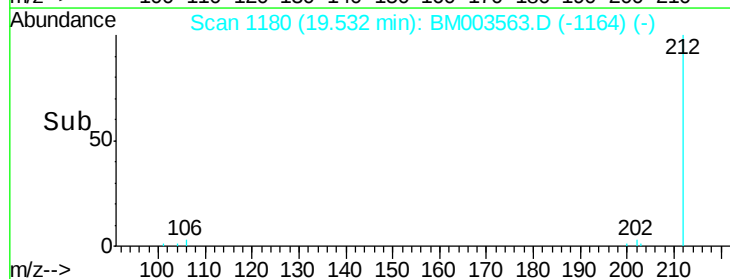
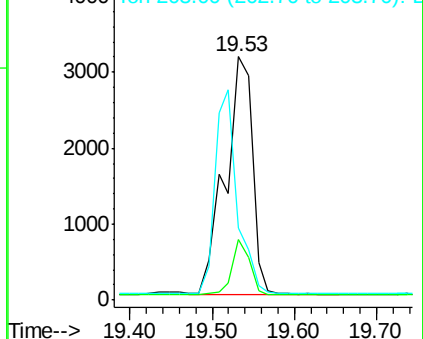
203 29.6 12.8 19.2#

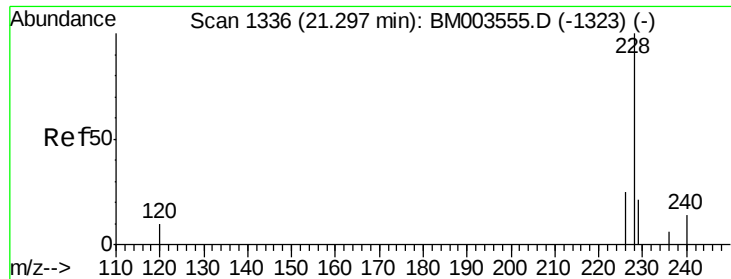


Abundance Ion 202.00 (201.70 to 202.70): E

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: BM003563.D

Acq: 15 Dec 2015 23:55

Instrument :

BNA_M

ClientSampleId :

A4KW4

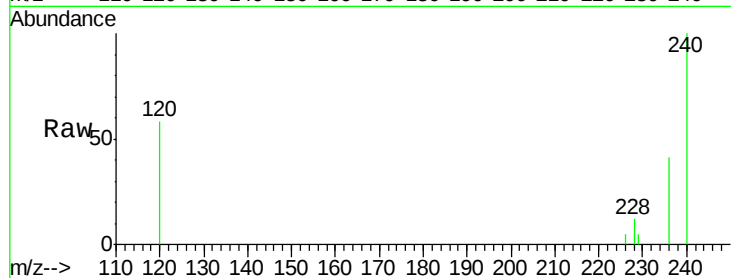
Tgt Ion:228 Resp: 558

Ion Ratio Lower Upper

228 100

226 43.1 18.8 28.2#

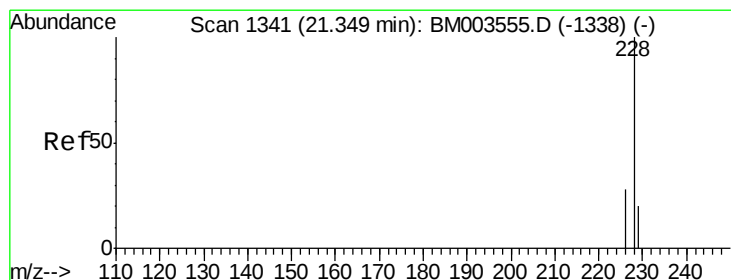
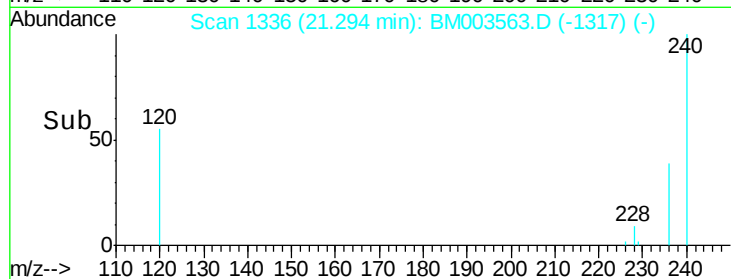
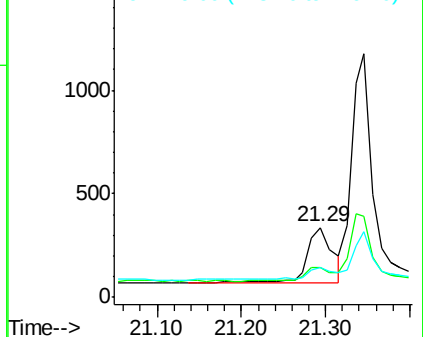
229 43.4 17.1 25.7#



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: 0.04 ng/ul

RT: 21.35 min Scan# 1341

Delta R.T. -0.00 min

Lab File: BM003563.D

Acq: 15 Dec 2015 23:55

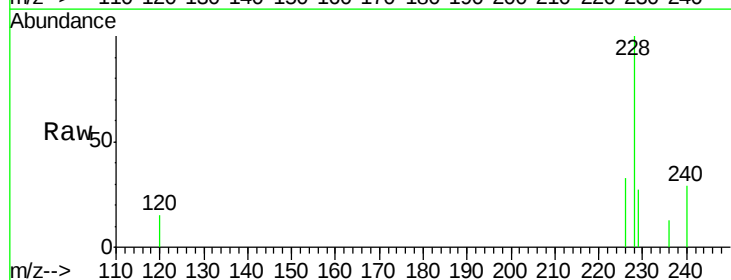
Tgt Ion:228 Resp: 1960

Ion Ratio Lower Upper

228 100

226 33.4 21.2 31.8#

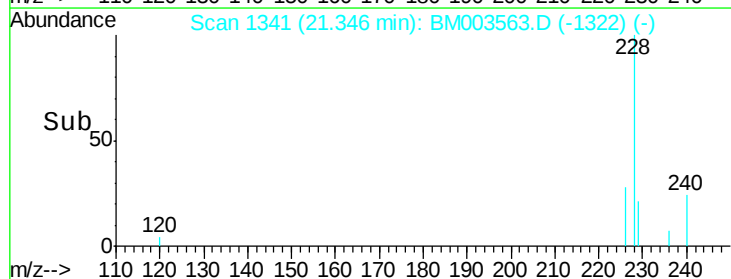
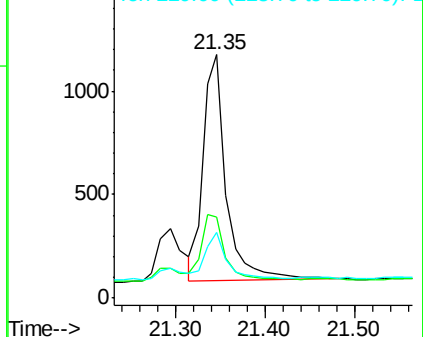
229 27.1 17.0 25.6#

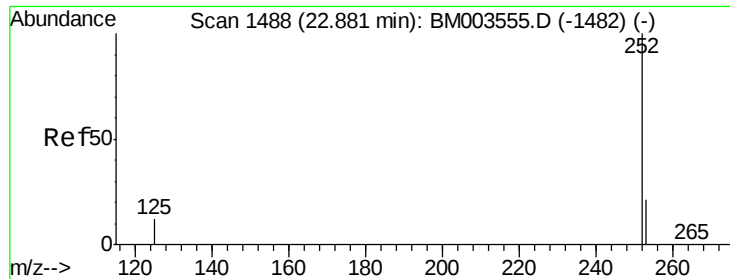


Abundance Ion 228.00 (227.70 to 228.70): E

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: 22.72 min Scan# 1473

Delta R.T. -0.16 min

Lab File: BM003563.D

Acq: 15 Dec 2015 23:55

Instrument :

BNA_M

ClientSampleId :

A4KW4

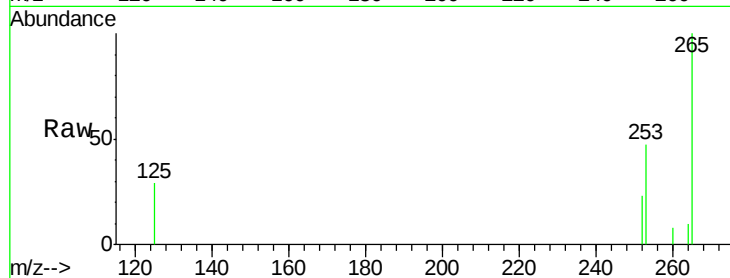
Tgt Ion:252 Resp: 14

Ion Ratio Lower Upper

252 100

253 205.5 0.0 45.4#

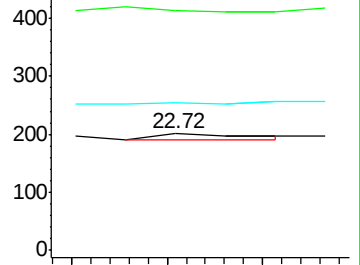
125 126.9 0.0 28.8#



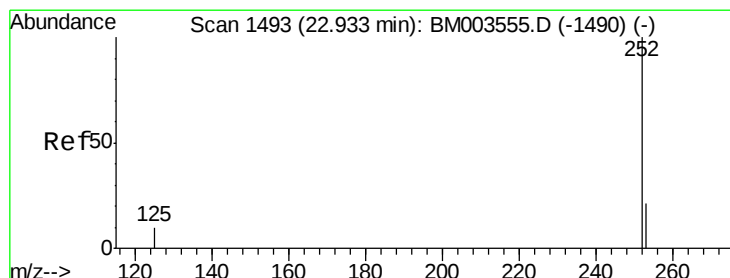
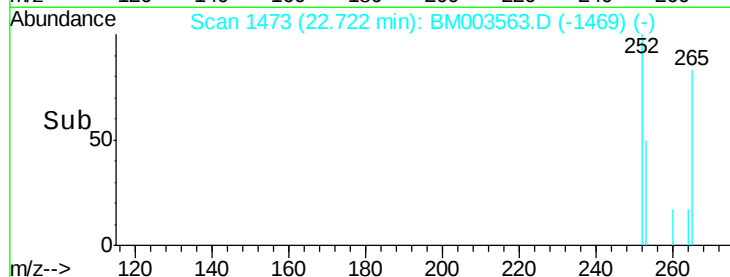
Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



Time--> 22.70 22.72 22.74



#24

Benzo(k)fluoranthene

Concen: 0.00 ng/u1

RT: 22.82 min Scan# 1482

Delta R.T. -0.12 min

Lab File: BM003563.D

Acq: 15 Dec 2015 23:55

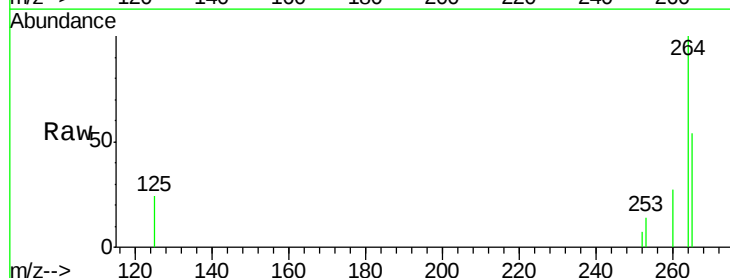
Tgt Ion:252 Resp: 29

Ion Ratio Lower Upper

252 100

253 194.9 19.8 29.8#

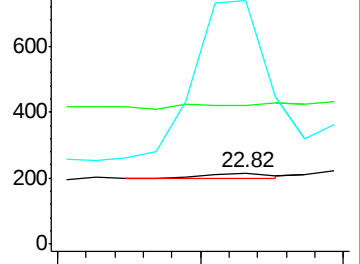
125 341.7 10.4 15.6#



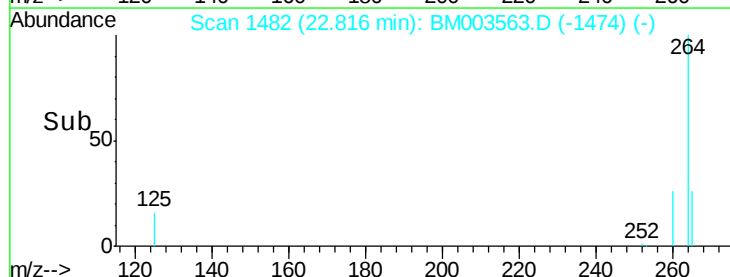
Abundance Ion 252.00 (251.70 to 252.70): E

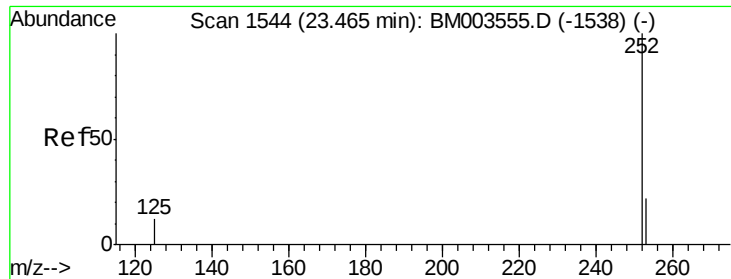
Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



Time--> 22.75 22.80





#25

Benzo(a)pyrene

Concen: 0.00 ng/ul

RT: 23.41 min Scan# 1539

Delta R.T. -0.06 min

Lab File: BM003563.D

Acq: 15 Dec 2015 23:55

Instrument :

BNA_M

ClientSampleId :

A4KW4

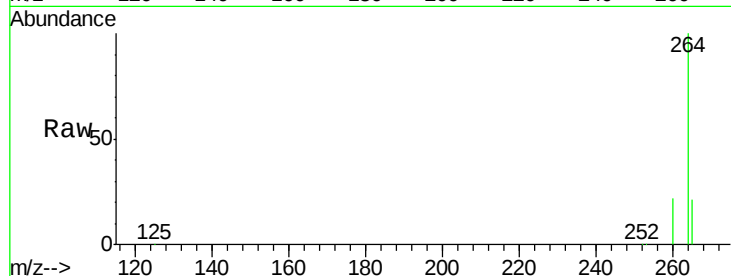
Tgt Ion: 252 Resp: 4908

Ion Ratio Lower Upper

252 100

253 40.2 19.4 29.2#

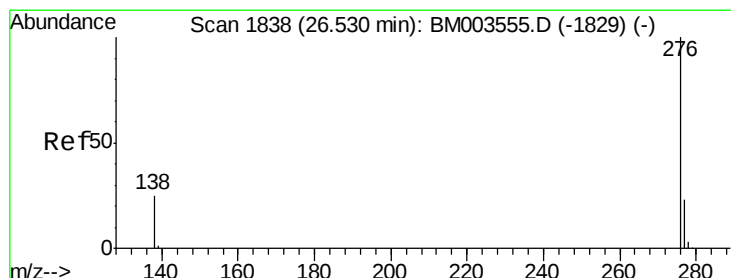
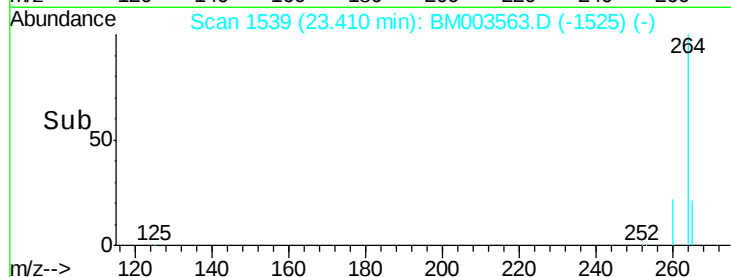
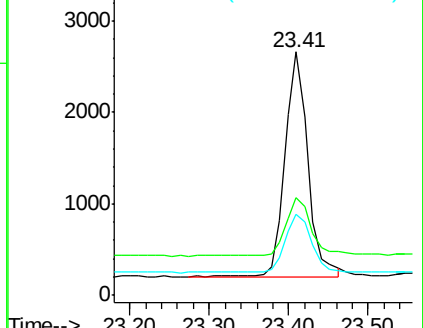
125 33.3 12.7 19.1#



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



#28

Benzo(g,h,i)perylene

Concen: 0.00 ng/ul

RT: 26.36 min Scan# 1822

Delta R.T. -0.17 min

Lab File: BM003563.D

Acq: 15 Dec 2015 23:55

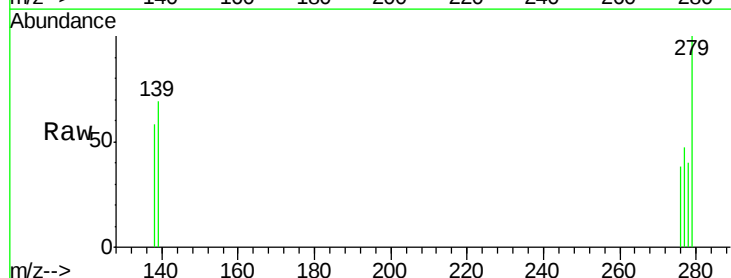
Tgt Ion: 276 Resp: 10

Ion Ratio Lower Upper

276 100

277 124.6 18.9 28.3#

138 152.3 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

