

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM122416\
 Data File : BM008662.D
 Acq On : 25 Dec 2016 09:35
 Operator : UM/SJ
 Sample : H6040-06DL 5X
 Misc :
 ALS Vial : 76 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 DA8W1DL

Quant Time: Dec 26 03:28:18 2016
 Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-SIM-BM121916.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Dec 26 03:21:10 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.68	152	483	0.40	ng/ul	-0.09
2) Naphthalene-d8	10.46	136	1419	0.40	ng/ul	-0.05
6) Acenaphthene-d10	14.30	164	896	0.40	ng/ul	-0.03
10) Phenanthrene-d10	17.04	188	1908	0.40	ng/ul	-0.05
16) Chrysene-d12	21.25	240	1675	0.40	ng/ul	-0.02
20) Perylene-d12	23.48	264	1851	0.40	ng/ul	-0.02

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) 2-Methylnaphthalene-d10	12.06	152	44	0.02	ng/ul	-0.06
14) Fluoranthene-d10	19.08	212	1638	0.31	ng/ul	-0.03

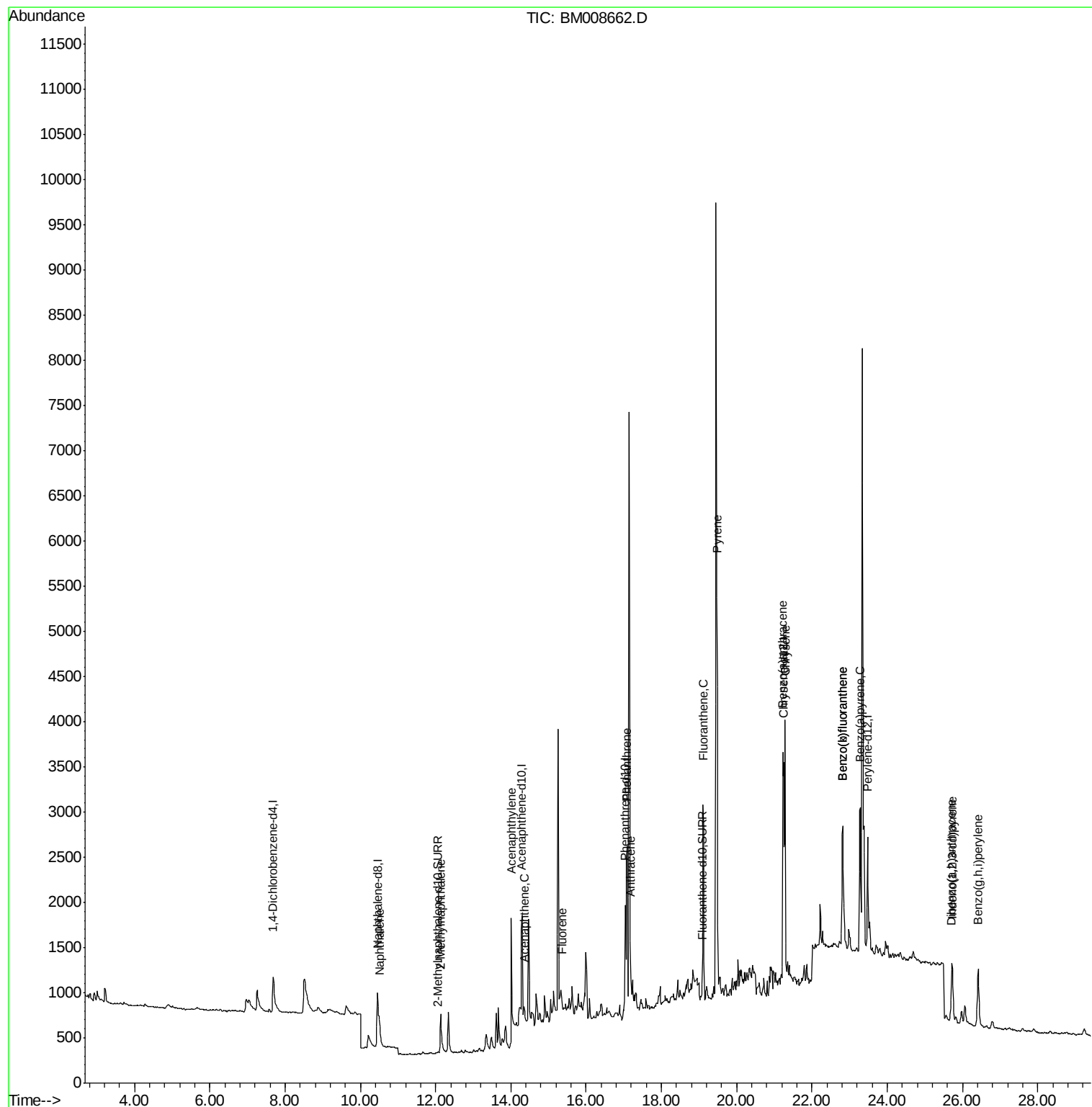
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Naphthalene	10.51	128	504	0.13	ng/ul#	53
5) 2-Methylnaphthalene	12.13	142	525	0.20	ng/ul	99
7) Acenaphthylene	14.01	152	175	0.04	ng/ul#	19
8) Acenaphthene	14.35	153	87	0.03	ng/ul#	77
9) Fluorene	15.36	166	270	0.08	ng/ul#	69
12) Phenanthrene	17.09	178	3058	0.52	ng/ul#	93
13) Anthracene	17.18	178	702	0.12	ng/ul#	66
15) Fluoranthene	19.11	202	2707	0.38	ng/ul	87
17) Pyrene	19.47	202	4385	0.68	ng/ul	93
18) Benzo(a)anthracene	21.23	228	2277	0.41	ng/ul#	80
19) Chrysene	21.28	228	2969	0.49	ng/ul#	85
21) Benzo(b)fluoranthene	22.82	252	2869	0.39	ng/ul	86
22) Benzo(k)fluoranthene	22.82	252	2869	0.40	ng/ul#	83
23) Benzo(a)pyrene	23.28	252	2405	0.36	ng/ul	94
24) Indeno(1,2,3-cd)pyrene	25.72	276	1096	0.14	ng/ul	94
25) Dibenzo(a,h)anthracene	25.71	278	445	0.07	ng/ul#	1
26) Benzo(g,h,i)perylene	26.41	276	1467	0.21	ng/ul#	85

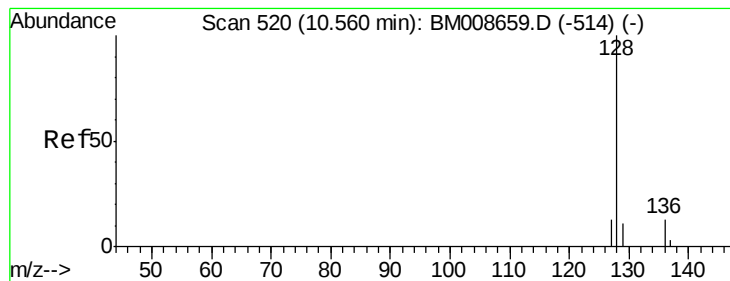
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Naphthalene

Concen: 0.13 ng/ul

RT: 10.51 min Scan# 516

Delta R.T. -0.05 min

Lab File: BM008662.D

Acq: 25 Dec 2016 09:35

Instrument :

BNA_M

ClientSampleId :

DA8W1DL

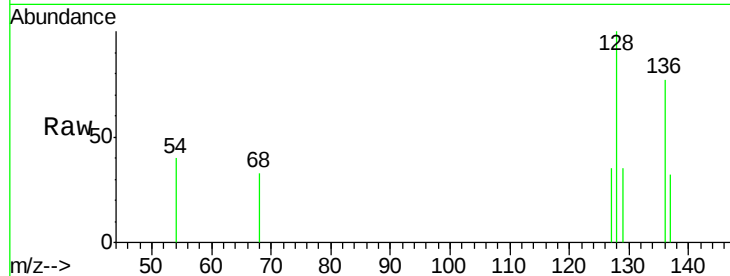
Tgt Ion:128 Resp: 504

Ion Ratio Lower Upper

128 100

129 34.7 11.3 16.9#

127 34.7 12.8 19.2#



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

10.51

250

200

150

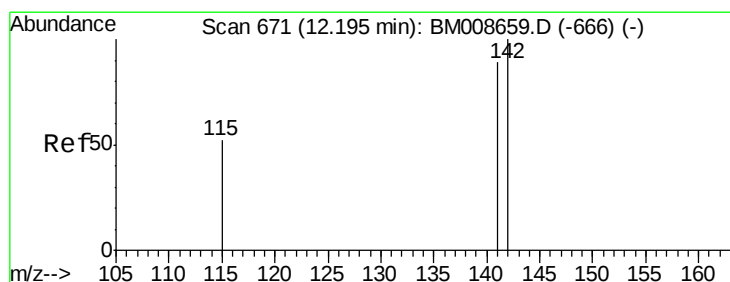
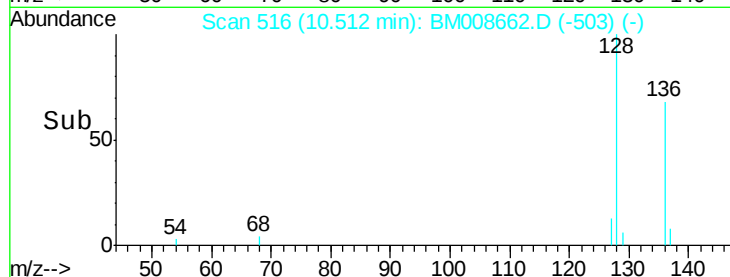
100

50

0

10.40 10.50 10.60 10.70

Time-->



#5

2-Methylnaphthalene

Concen: 0.20 ng/ul

RT: 12.13 min Scan# 665

Delta R.T. -0.06 min

Lab File: BM008662.D

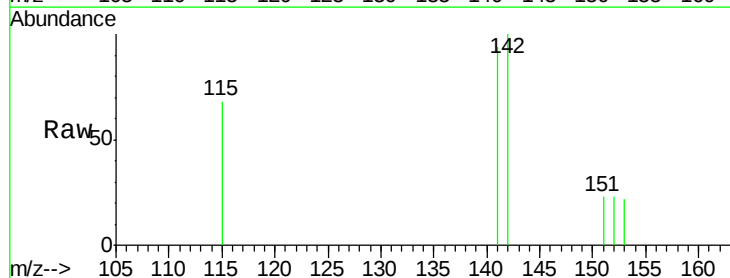
Acq: 25 Dec 2016 09:35

Tgt Ion:142 Resp: 525

Ion Ratio Lower Upper

142 100

141 91.4 72.6 108.8



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

12.13

250

200

150

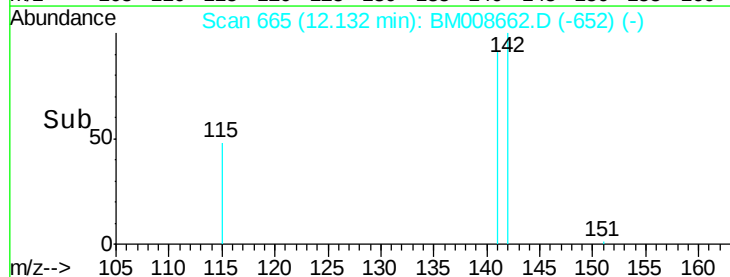
100

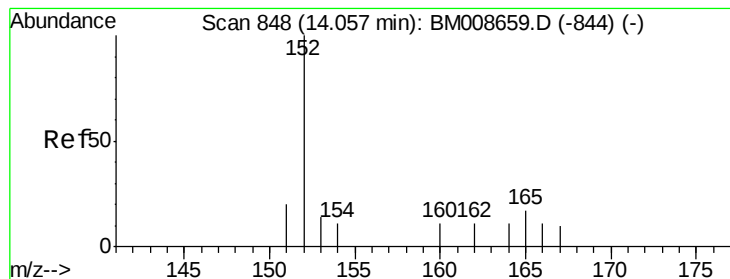
50

0

12.00 12.10 12.20 12.30

Time-->





#7

Acenaphthylene

Concen: 0.04 ng/ul

RT: 14.01 min Scan# 845

Delta R.T. -0.05 min

Lab File: BM008662.D

Acq: 25 Dec 2016 09:35

Instrument :

BNA_M

ClientSampleId :

DA8W1DL

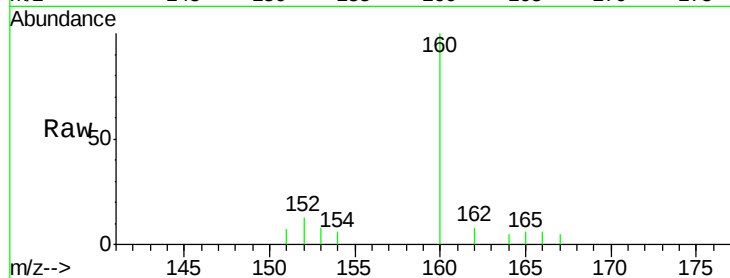
Tgt Ion:152 Resp: 175

Ion Ratio Lower Upper

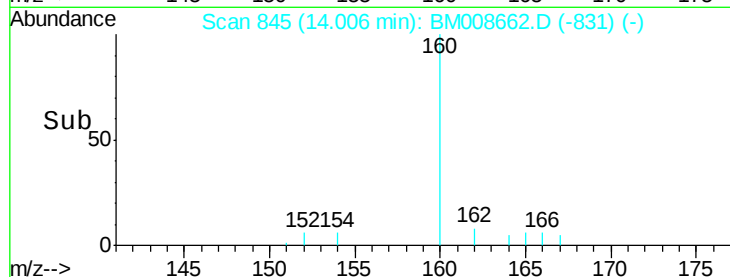
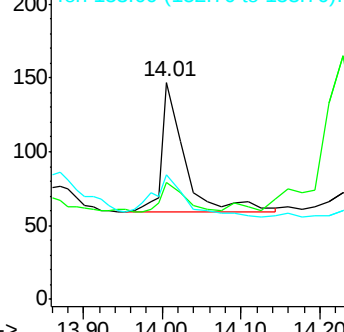
152 100

151 53.7 17.1 25.7#

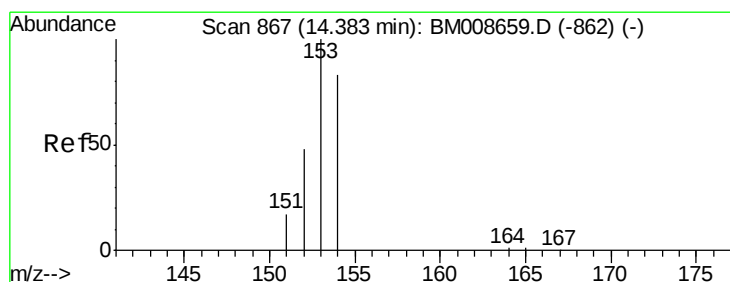
153 57.1 12.8 19.2#



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



Time-->



#8

Acenaphthene

Concen: 0.03 ng/ul

RT: 14.35 min Scan# 865

Delta R.T. -0.03 min

Lab File: BM008662.D

Acq: 25 Dec 2016 09:35

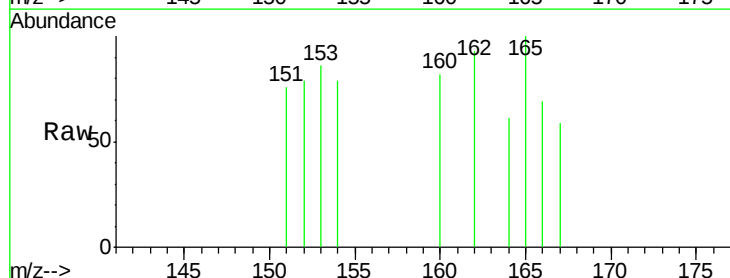
Tgt Ion:153 Resp: 87

Ion Ratio Lower Upper

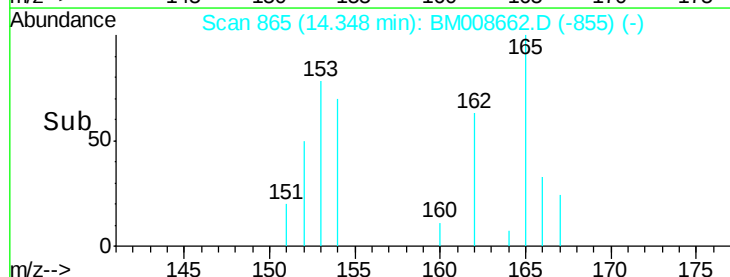
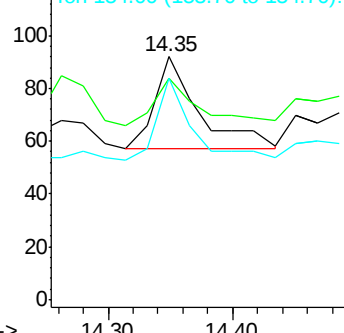
153 100

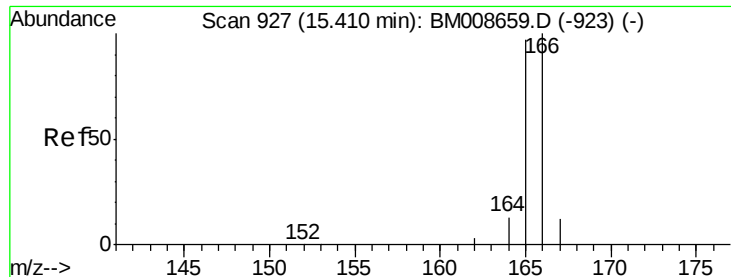
152 91.3 40.3 60.5#

154 91.3 71.4 107.2



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





#9

Fluorene

Concen: 0.08 ng/ul

RT: 15.36 min Scan# 924

Delta R.T. -0.05 min

Lab File: BM008662.D

Acq: 25 Dec 2016 09:35

Instrument :

BNA_M

ClientSampleId :

DA8W1DL

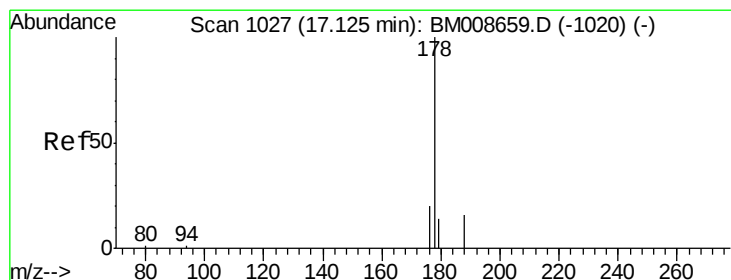
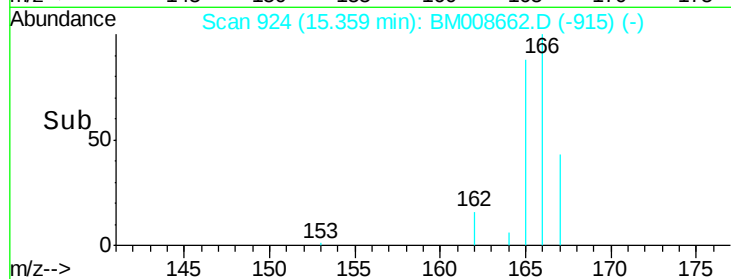
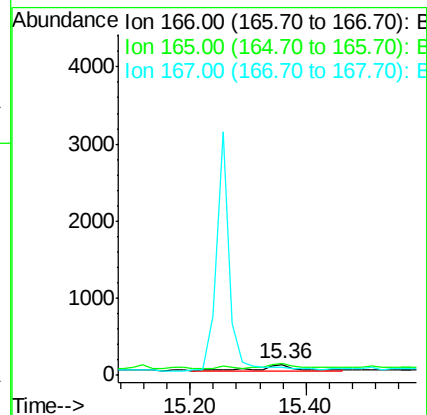
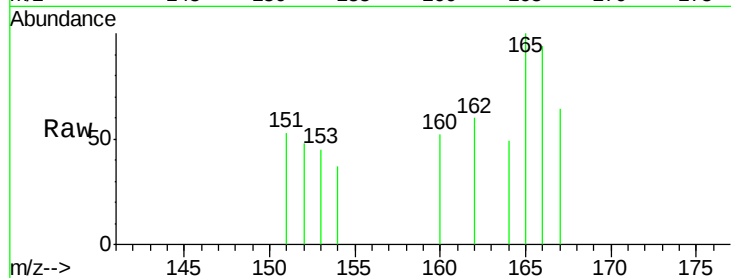
Tgt Ion:166 Resp: 270

Ion Ratio Lower Upper

166 100

165 106.2 73.4 110.2

167 68.3 14.6 22.0#



#12

Phenanthrene

Concen: 0.52 ng/ul

RT: 17.09 min Scan# 1025

Delta R.T. -0.03 min

Lab File: BM008662.D

Acq: 25 Dec 2016 09:35

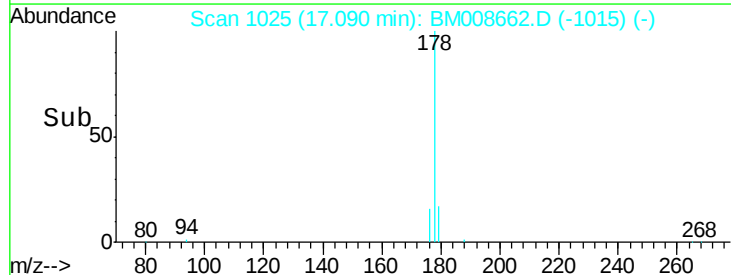
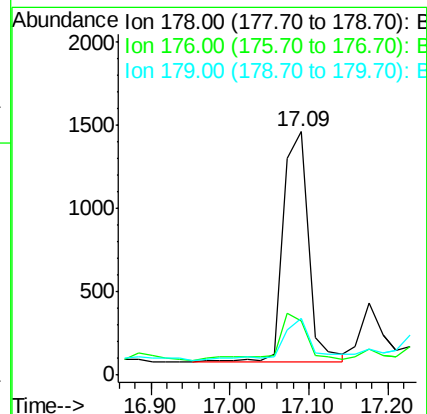
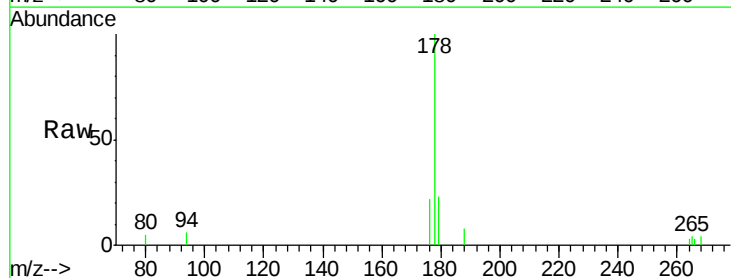
Tgt Ion:178 Resp: 3058

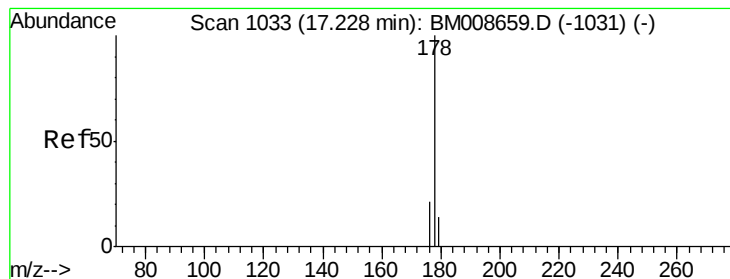
Ion Ratio Lower Upper

178 100

176 22.2 18.4 27.6

179 23.5 13.6 20.4#





#13

Anthracene

Concen: 0.12 ng/ul

RT: 17.18 min Scan# 1030

Delta R.T. -0.05 min

Lab File: BM008662.D

Acq: 25 Dec 2016 09:35

Instrument :

BNA_M

ClientSampleId :

DA8W1DL

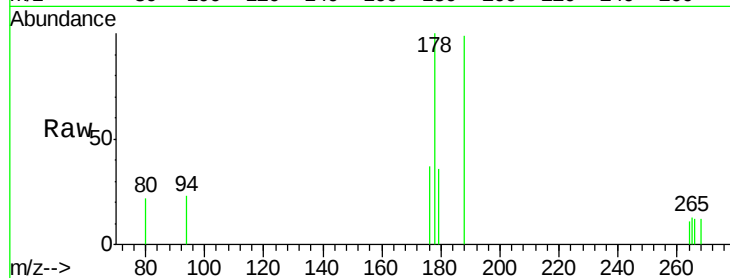
Tgt Ion:178 Resp: 702

Ion Ratio Lower Upper

178 100

176 36.7 18.1 27.1#

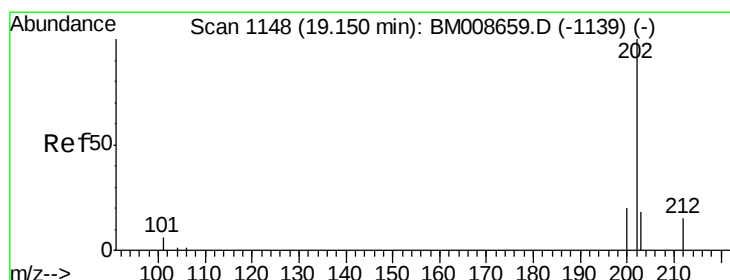
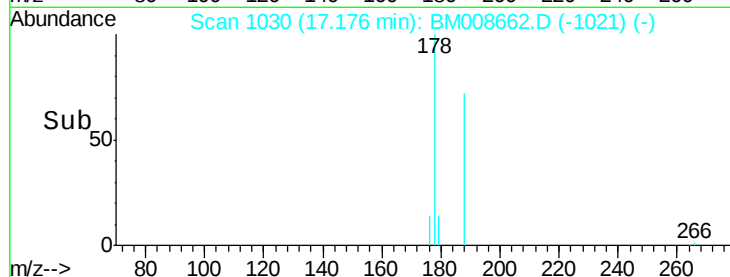
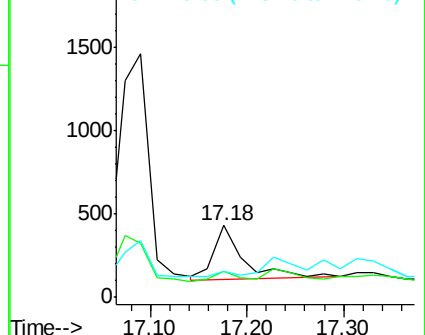
179 36.0 14.7 22.1#



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

Fluoranthene

Concen: 0.38 ng/ul

RT: 19.11 min Scan# 1145

Delta R.T. -0.04 min

Lab File: BM008662.D

Acq: 25 Dec 2016 09:35

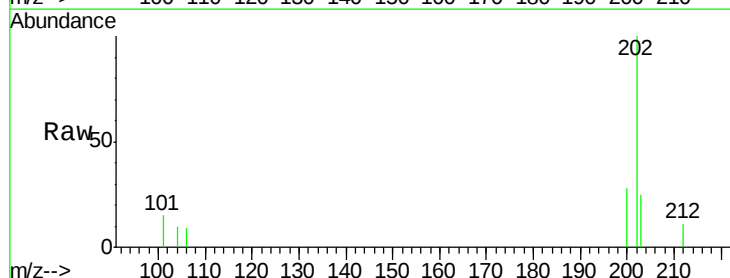
Tgt Ion:202 Resp: 2707

Ion Ratio Lower Upper

202 100

101 15.4 0.0 30.3

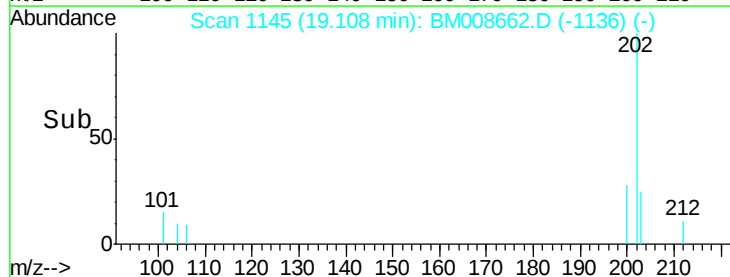
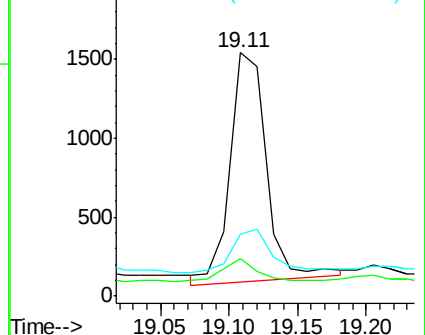
203 25.5 0.0 39.5

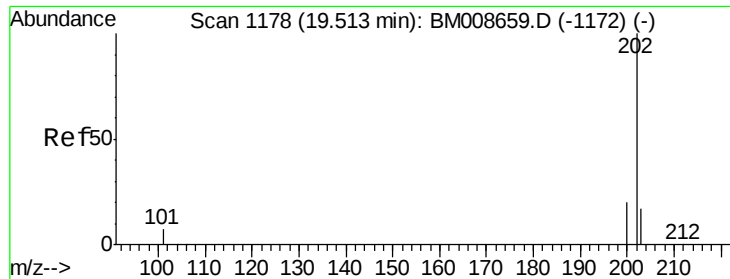


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E

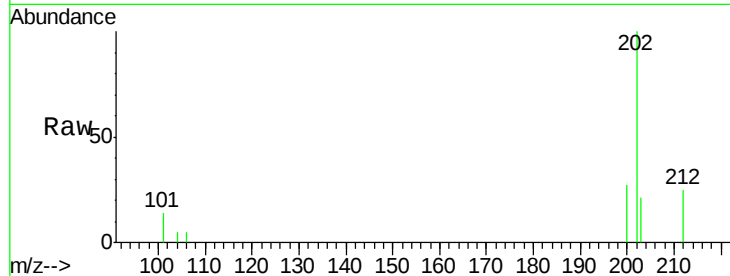




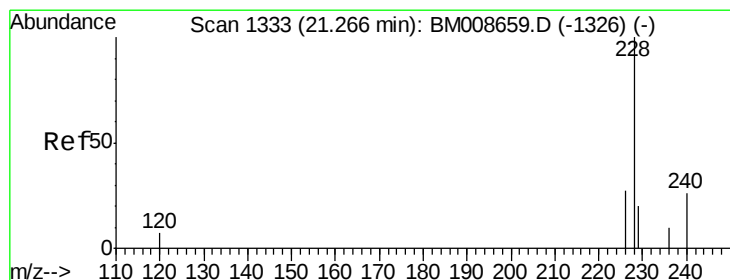
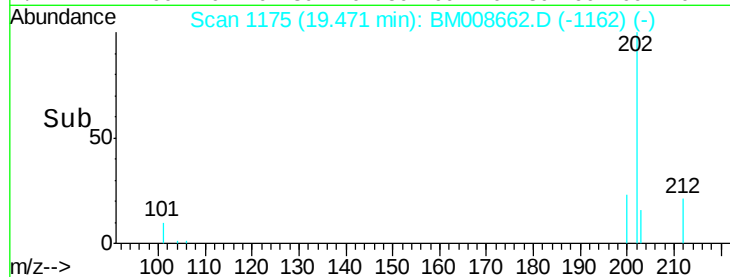
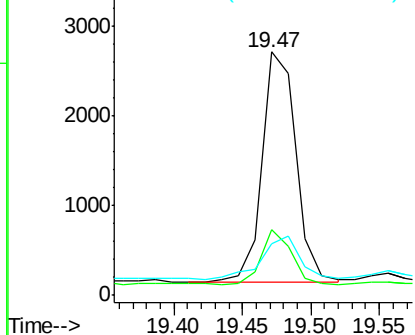
#17
 Pyrene
 Concen: 0.68 ng/u1
 RT: 19.47 min Scan# 1175
 Delta R.T. -0.04 min
 Lab File: BM008662.D
 Acq: 25 Dec 2016 09:35

Instrument :
 BNA_M
 ClientSampleId :
 DA8W1DL

Tgt Ion:202 Resp: 4385
 Ion Ratio Lower Upper
 202 100
 200 26.9 18.2 27.4
 203 21.4 15.6 23.4

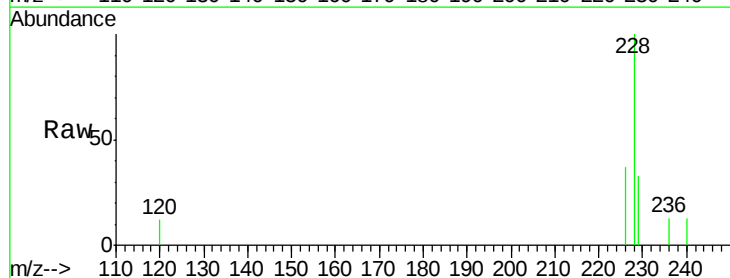


Abundance Ion 202.00 (201.70 to 202.70): E
 Ion 200.00 (199.70 to 200.70): E
 Ion 203.00 (202.70 to 203.70): E

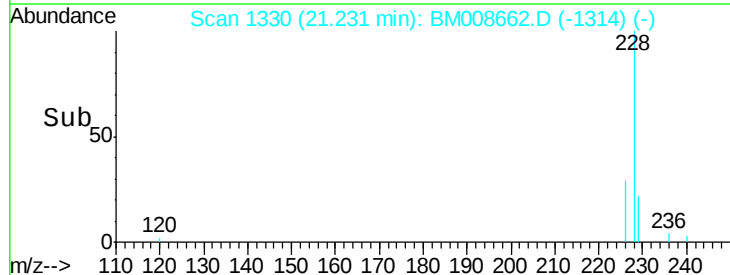
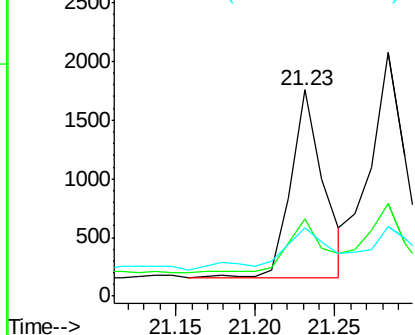


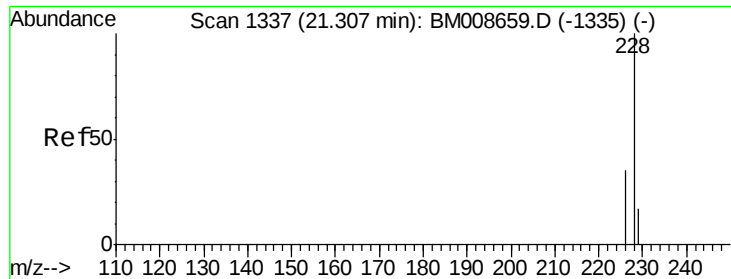
#18
 Benzo(a)anthracene
 Concen: 0.41 ng/u1
 RT: 21.23 min Scan# 1330
 Delta R.T. -0.03 min
 Lab File: BM008662.D
 Acq: 25 Dec 2016 09:35

Tgt Ion:228 Resp: 2277
 Ion Ratio Lower Upper
 228 100
 226 37.2 22.8 34.2#
 229 33.3 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





#19

Chrysene

Concen: 0.49 ng/ul

RT: 21.28 min Scan# 1335

Delta R.T. -0.02 min

Lab File: BM008662.D

Acq: 25 Dec 2016 09:35

Instrument :

BNA_M

ClientSampleId :

DA8W1DL

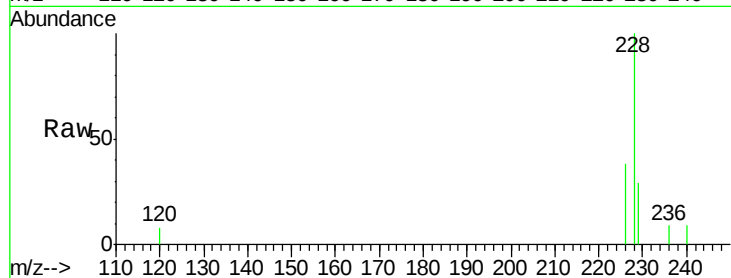
Tgt Ion:228 Resp: 2969

Ion Ratio Lower Upper

228 100

226 38.1 23.4 35.0#

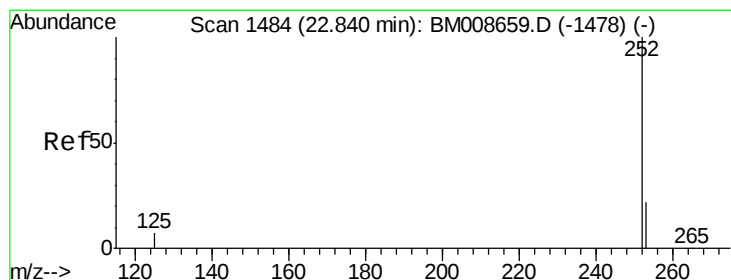
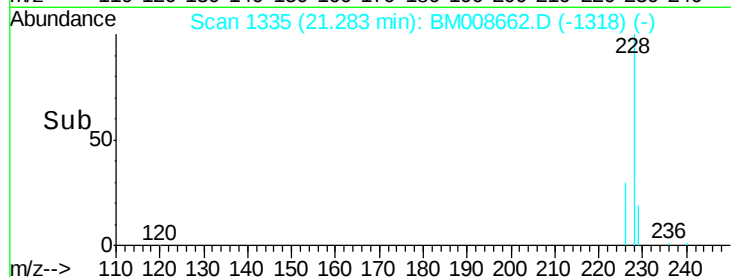
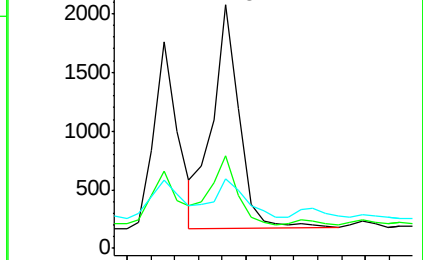
229 28.8 17.7 26.5#



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

Benzo(b)fluoranthene

Concen: 0.39 ng/ul

RT: 22.82 min Scan# 1482

Delta R.T. -0.02 min

Lab File: BM008662.D

Acq: 25 Dec 2016 09:35

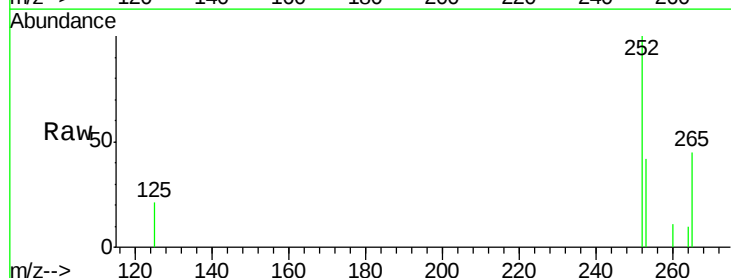
Tgt Ion:252 Resp: 2869

Ion Ratio Lower Upper

252 100

253 42.4 0.0 64.2

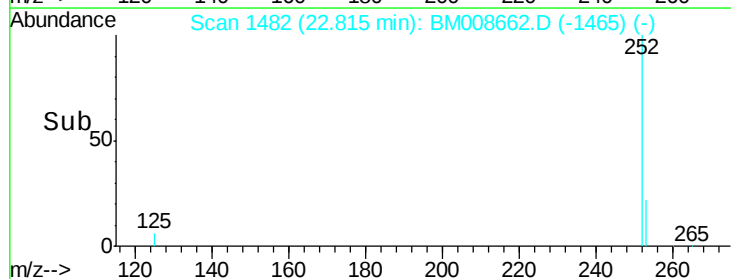
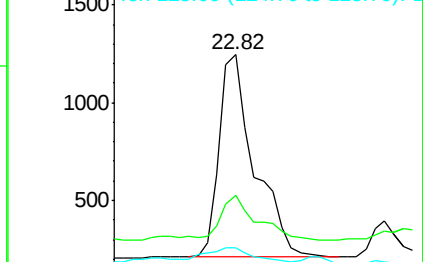
125 20.6 0.0 35.0

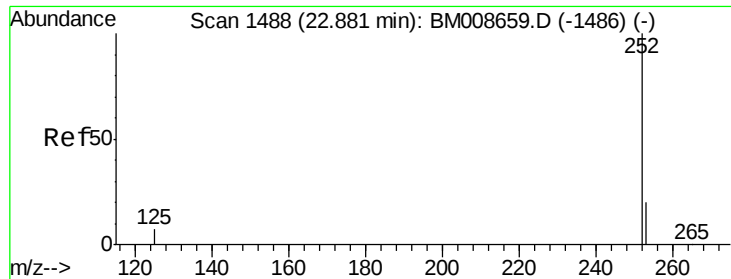


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#22

Benzo(k)fluoranthene

Concen: 0.40 ng/u1

RT: 22.82 min Scan# 1482

Delta R.T. -0.07 min

Lab File: BM008662.D

Acq: 25 Dec 2016 09:35

Instrument :

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ClientSampleId :

DA8W1DL

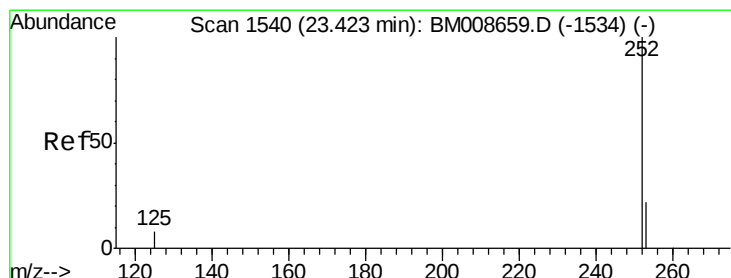
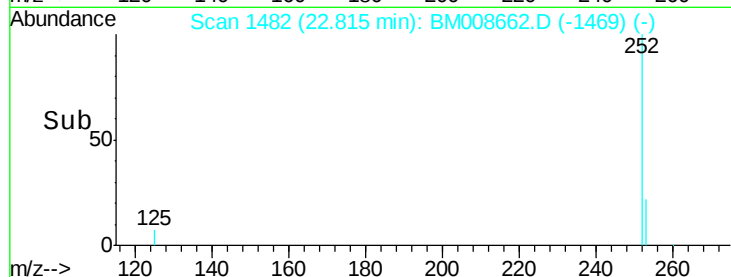
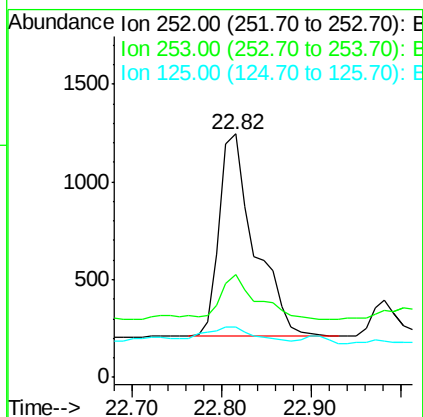
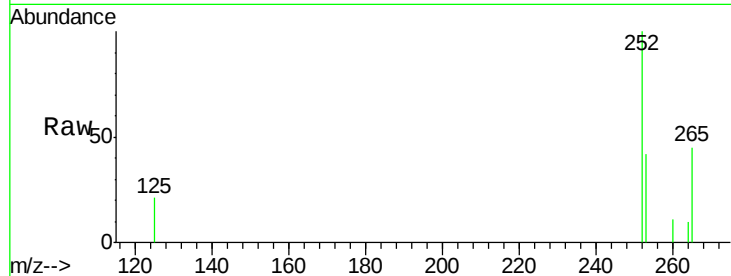
Tgt Ion:252 Resp: 2869

Ion Ratio Lower Upper

252 100

253 42.4 24.5 36.7#

125 20.6 13.7 20.5#



#23

Benzo(a)pyrene

Concen: 0.36 ng/u1

RT: 23.28 min Scan# 1527

Delta R.T. -0.14 min

Lab File: BM008662.D

Acq: 25 Dec 2016 09:35

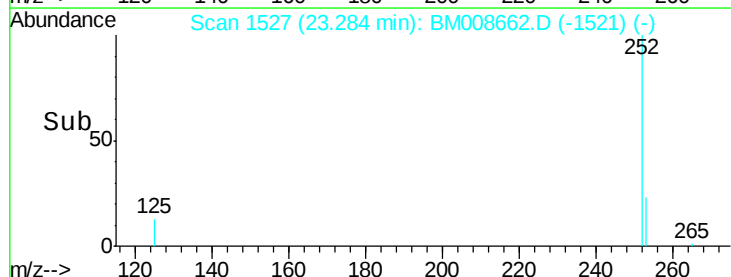
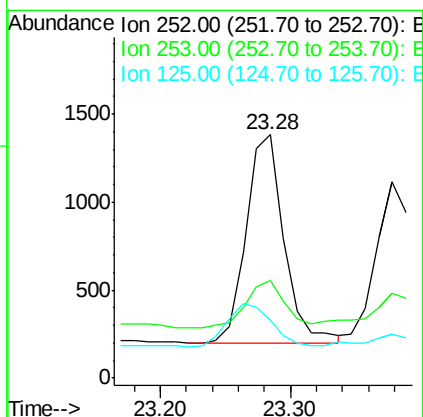
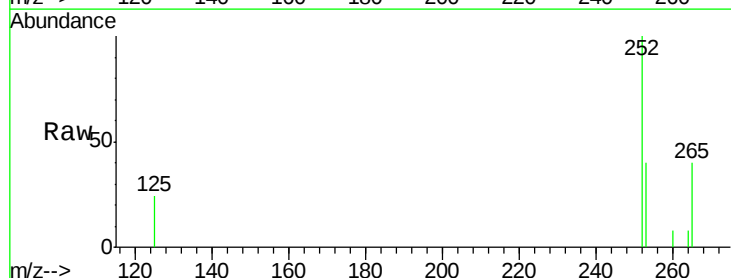
Tgt Ion:252 Resp: 2405

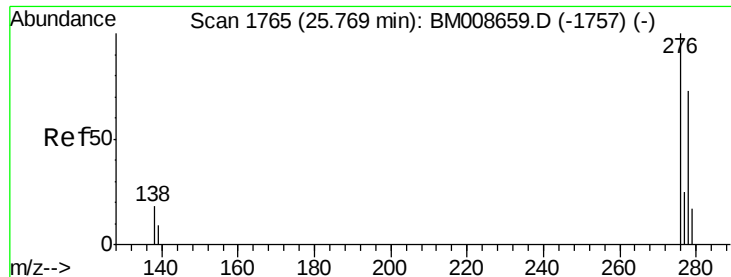
Ion Ratio Lower Upper

252 100

253 40.2 28.5 42.7

125 23.7 18.1 27.1

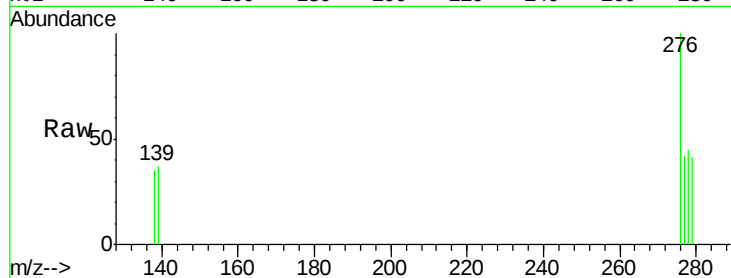




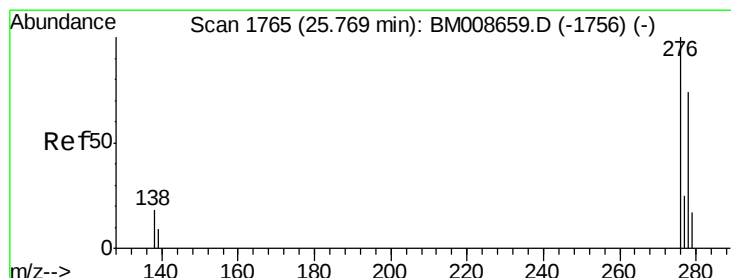
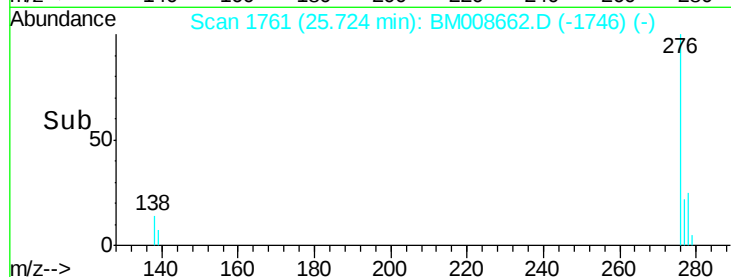
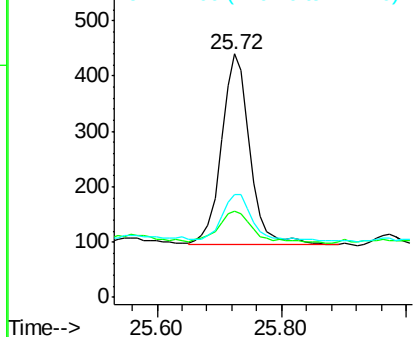
#24
 Indeno(1,2,3-cd)pyrene
 Concen: 0.14 ng/ul
 RT: 25.72 min Scan# 1761
 Delta R.T. -0.05 min
 Lab File: BM008662.D
 Acq: 25 Dec 2016 09:35

Instrument :
 BNA_M
 ClientSampleId :
 DA8W1DL

Tgt Ion: 276 Resp: 1096
 Ion Ratio Lower Upper
 276 100
 138 20.2 19.1 28.7
 277 26.5 19.6 29.4

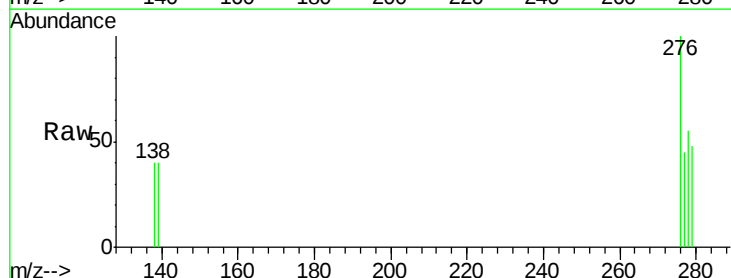


Abundance Ion 276.00 (275.70 to 276.70): E
 Ion 138.00 (137.70 to 138.70): E
 Ion 277.00 (276.70 to 277.70): E

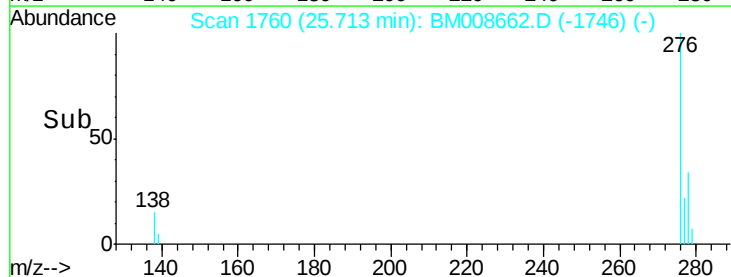
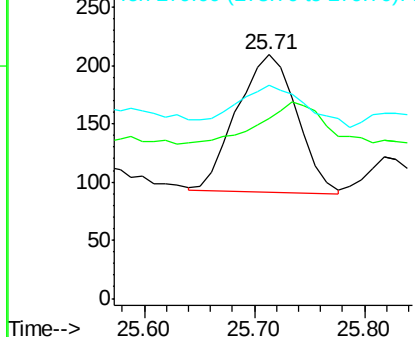


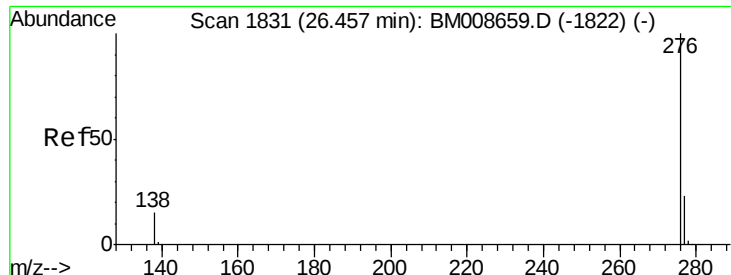
#25
 Dibenzo(a,h)anthracene
 Concen: 0.07 ng/ul
 RT: 25.71 min Scan# 1760
 Delta R.T. -0.06 min
 Lab File: BM008662.D
 Acq: 25 Dec 2016 09:35

Tgt Ion: 278 Resp: 445
 Ion Ratio Lower Upper
 278 100
 139 73.7 17.4 26.0#
 279 87.6 25.9 38.9#



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





#26

Benzo(g,h,i)perylene

Concen: 0.21 ng/ul

RT: 26.41 min Scan# 1827

Delta R.T. -0.05 min

Lab File: BM008662.D

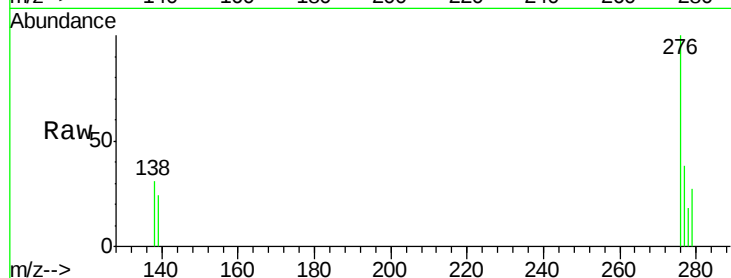
Acq: 25 Dec 2016 09:35

Instrument :

BNA_M

ClientSampleId :

DA8W1DL



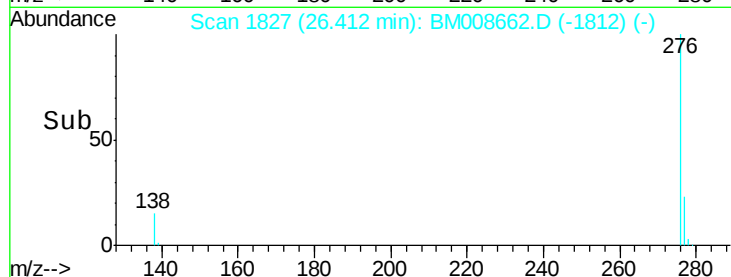
Tgt Ion: 276 Resp: 1467

Ion Ratio Lower Upper

276 100

277 37.7 21.8 32.8#

138 30.9 20.5 30.7#



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

