

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM122716\
 Data File : BM008675.D
 Acq On : 27 Dec 2016 16:02
 Operator : UM/SJ
 Sample : H5995-02
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 DA863

Quant Time: Dec 28 03:27:01 2016
 Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-SIM-BM121916.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Dec 28 03:24:04 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.77	152	6	0.40	ng/ul	-0.06
2) Naphthalene-d8	10.57	136	5097	0.40	ng/ul	0.00
6) Acenaphthene-d10	14.42	164	284	0.40	ng/ul	0.07
10) Phenanthrene-d10	17.12	188	88157	0.40	ng/ul	0.00
16) Chrysene-d12	21.34	240	385	0.40	ng/ul	0.04
20) Perylene-d12	23.61	264	1148	0.40	ng/ul	0.07

System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	12.11	152	791	0.10	ng/ul	-0.06
14) Fluoranthene-d10	19.17	212	532	0.00	ng/ul	0.02

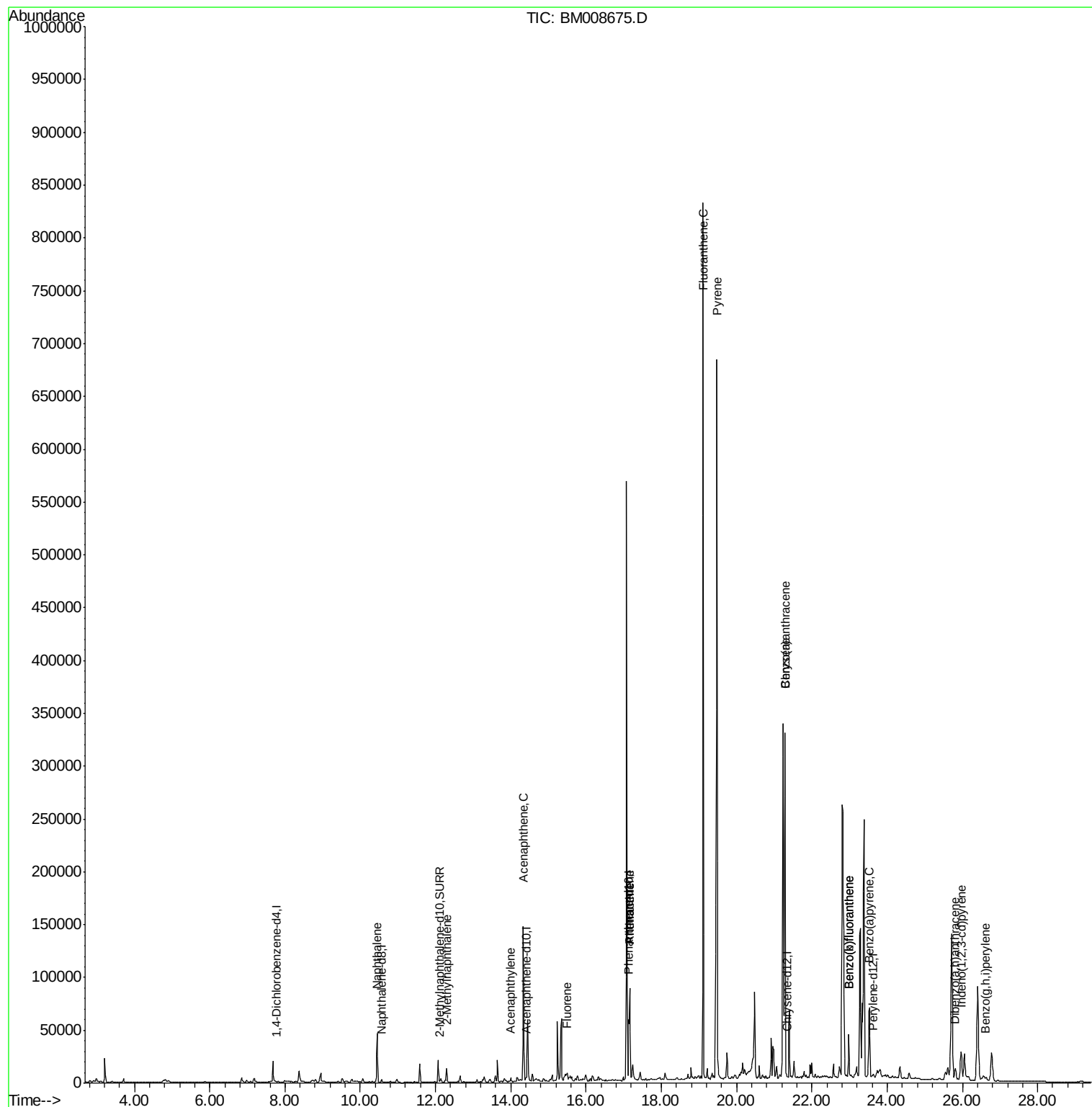
Target Compounds						Qvalue
3) Naphthalene	10.45	128	43484	3.03	ng/ul#	93
5) 2-Methylnaphthalene	12.30	142	9802	1.02	ng/ul	98
7) Acenaphthylene	14.00	152	1605	1.25	ng/ul#	63
8) Acenaphthene	14.33	153	83635	86.56	ng/ul	97
9) Fluorene	15.50	166	1667	1.51	ng/ul#	1
12) Phenanthrene	17.16	178	103605	0.38	ng/ul	98
13) Anthracene	17.16	178	102787	0.39	ng/ul	98
15) Fluoranthene	19.11	202	784155	2.38	ng/ul	93
17) Pyrene	19.48	202	650370	437.02	ng/ul	96
18) Benzo(a)anthracene	21.29	228	314281	248.60	ng/ul	96
19) Chrysene	21.29	228	312843	226.02	ng/ul	96
21) Benzo(b)fluoranthene	22.98	252	54607	12.07	ng/ul	91
22) Benzo(k)fluoranthene	22.98	252	54607	12.38	ng/ul	93
23) Benzo(a)pyrene	23.53	252	96162	22.94	ng/ul#	87
24) Indeno(1,2,3-cd)pyrene	25.97	276	11224	2.25	ng/ul#	60
25) Dibenzo(a,h)anthracene	25.81	278	15876	3.98	ng/ul	99
26) Benzo(g,h,i)perylene	26.62	276	2531	0.59	ng/ul#	26

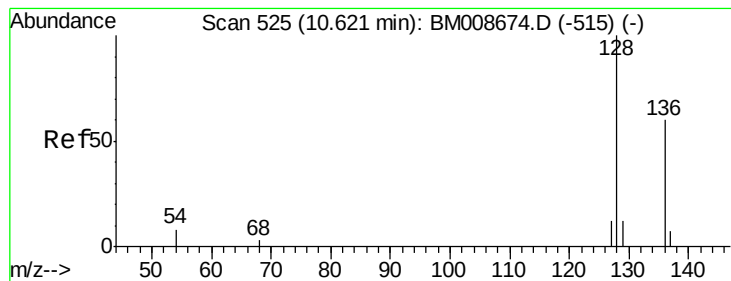
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Naphthalene

Concen: 3.03 ng/ul

RT: 10.45 min Scan# 511

Delta R.T. -0.17 min

Lab File: BM008675.D

Acq: 27 Dec 2016 16:02

Instrument :

BNA_M

ClientSampleId :

DA863

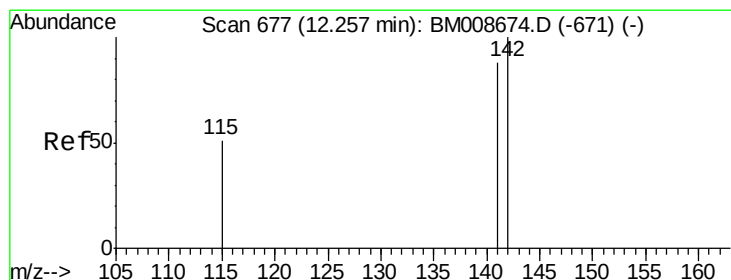
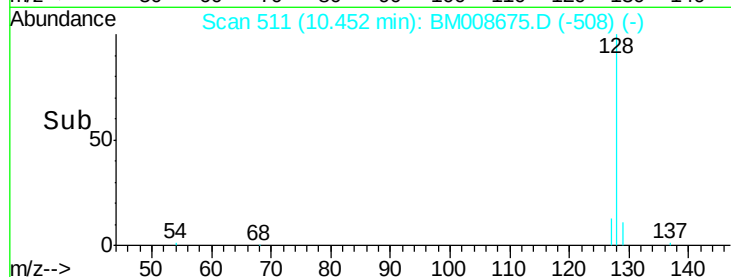
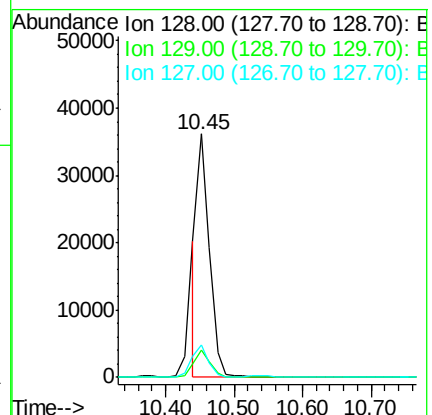
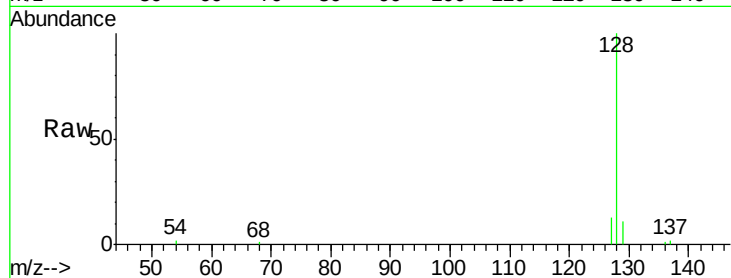
Tgt Ion:128 Resp: 43484

Ion Ratio Lower Upper

128 100

129 11.0 11.3 16.9#

127 13.2 12.8 19.2



#5

2-Methylnaphthalene

Concen: 1.02 ng/ul

RT: 12.30 min Scan# 681

Delta R.T. 0.04 min

Lab File: BM008675.D

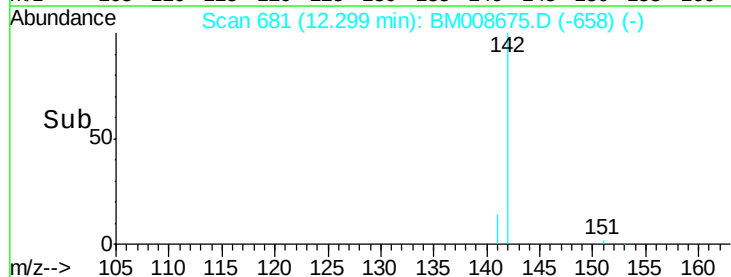
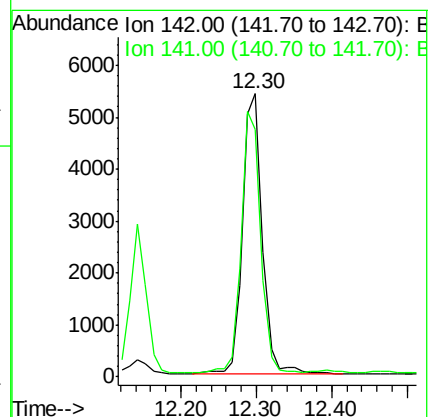
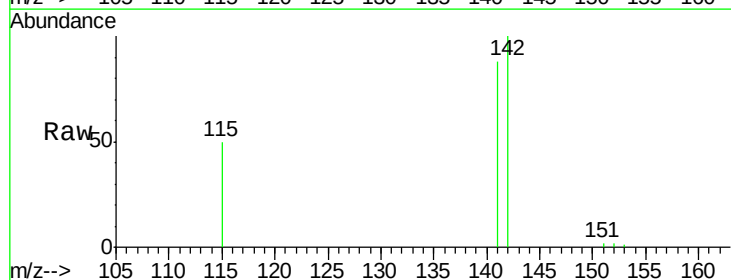
Acq: 27 Dec 2016 16:02

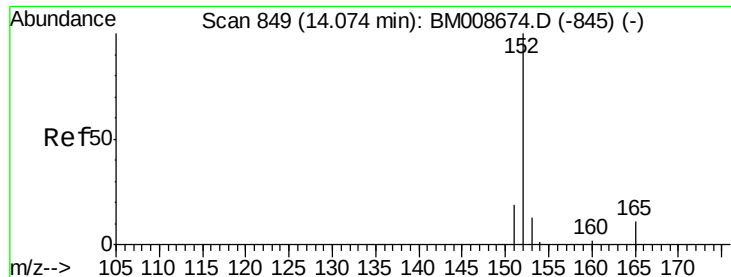
Tgt Ion:142 Resp: 9802

Ion Ratio Lower Upper

142 100

141 92.2 72.6 108.8





#7

Acenaphthylene

Concen: 1.25 ng/ul

RT: 14.00 min Scan# 844

Delta R.T. -0.08 min

Lab File: BM008675.D

Acq: 27 Dec 2016 16:02

Instrument :

BNA_M

ClientSampleId :

DA863

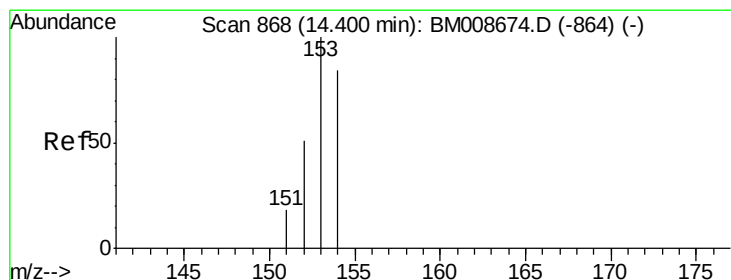
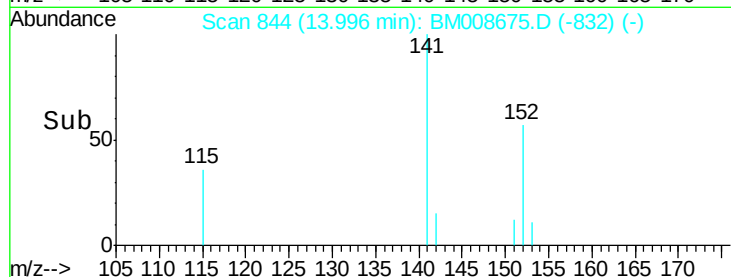
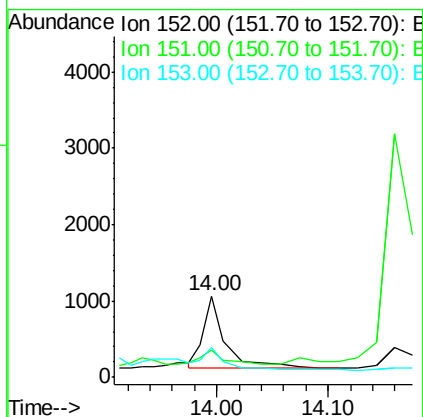
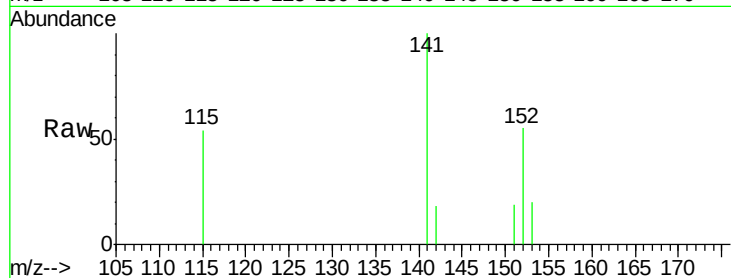
Tgt Ion:152 Resp: 1605

Ion Ratio Lower Upper

152 100

151 34.3 17.1 25.7#

153 36.7 12.8 19.2#



#8

Acenaphthene

Concen: 86.56 ng/ul

RT: 14.33 min Scan# 864

Delta R.T. -0.07 min

Lab File: BM008675.D

Acq: 27 Dec 2016 16:02

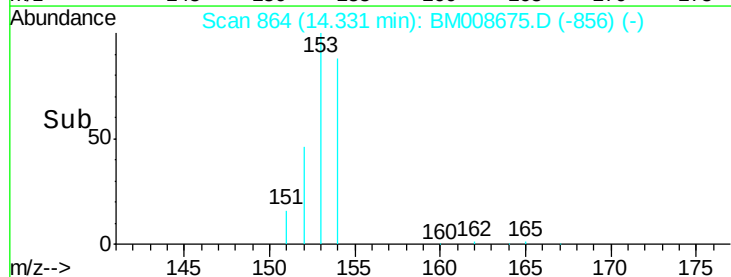
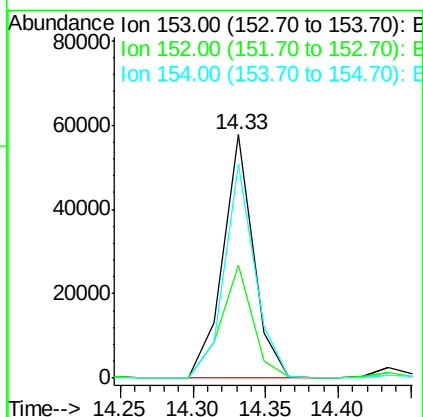
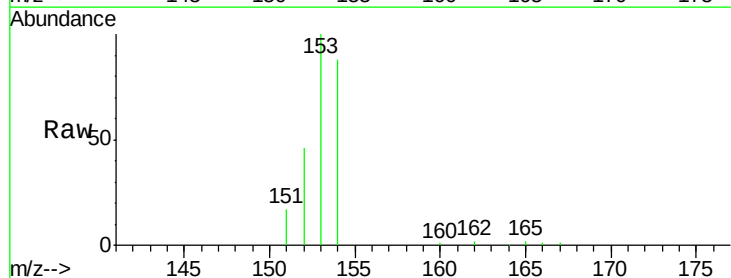
Tgt Ion:153 Resp: 83635

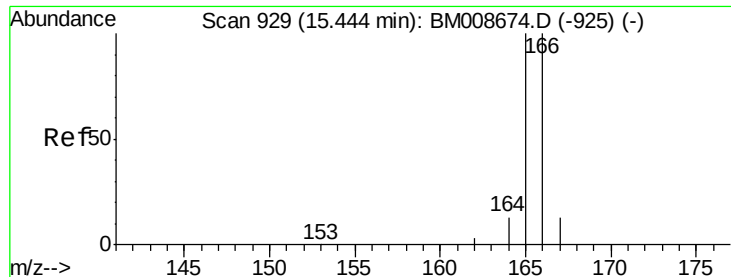
Ion Ratio Lower Upper

153 100

152 46.4 40.3 60.5

154 87.9 71.4 107.2





#9

Fluorene

Concen: 1.51 ng/ul

RT: 15.50 min Scan# 932

Delta R.T. 0.05 min

Lab File: BM008675.D

Acq: 27 Dec 2016 16:02

Instrument :

BNA_M

ClientSampleId :

DA863

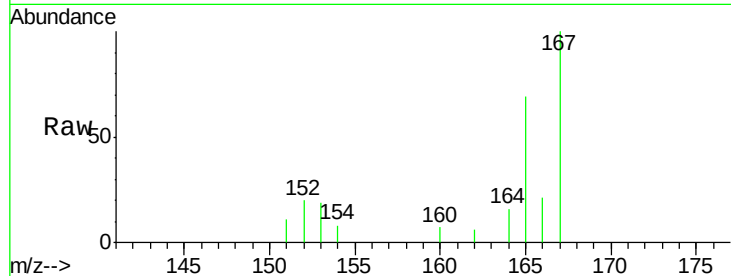
Tgt Ion:166 Resp: 1667

Ion Ratio Lower Upper

166 100

165 321.8 73.4 110.2#

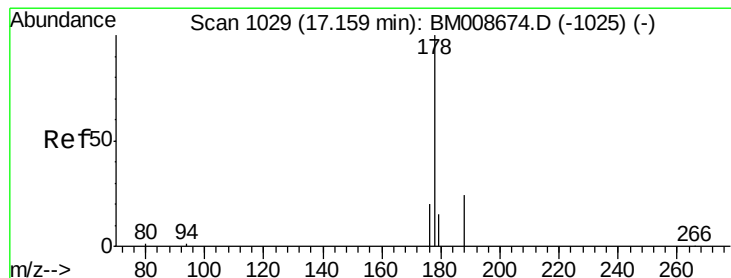
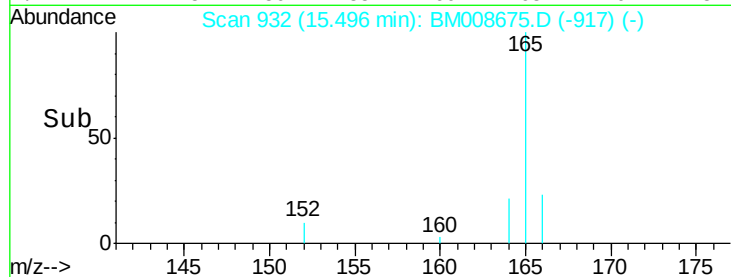
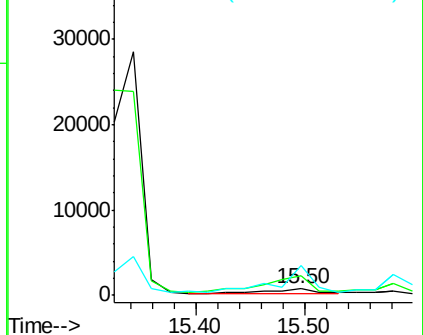
167 467.0 14.6 22.0#



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



#12

Phenanthrene

Concen: 0.38 ng/ul

RT: 17.16 min Scan# 1029

Delta R.T. 0.00 min

Lab File: BM008675.D

Acq: 27 Dec 2016 16:02

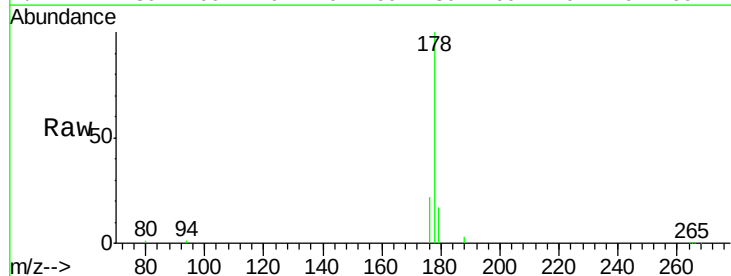
Tgt Ion:178 Resp: 103605

Ion Ratio Lower Upper

178 100

176 21.7 18.4 27.6

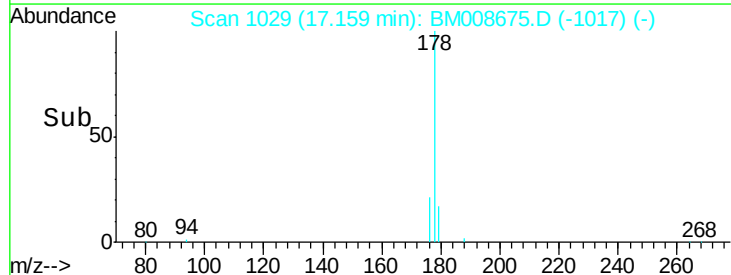
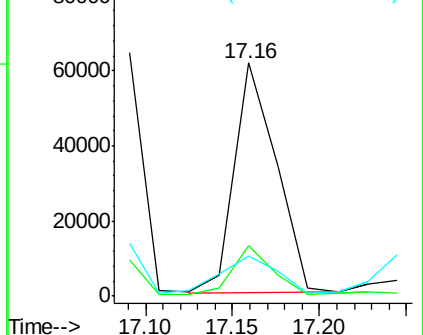
179 17.4 13.6 20.4

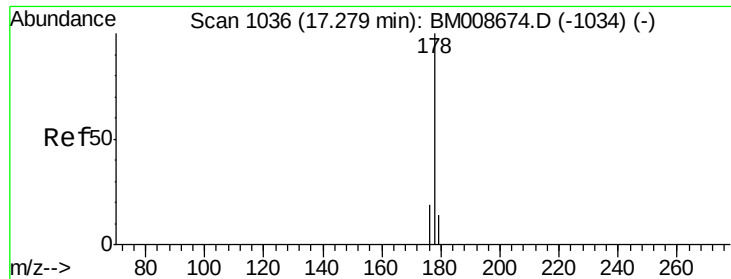


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#13

Anthracene

Concen: 0.39 ng/ul

RT: 17.16 min Scan# 1029

Delta R.T. -0.12 min

Lab File: BM008675.D

Acq: 27 Dec 2016 16:02

Instrument :

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ClientSampleId :

DA863

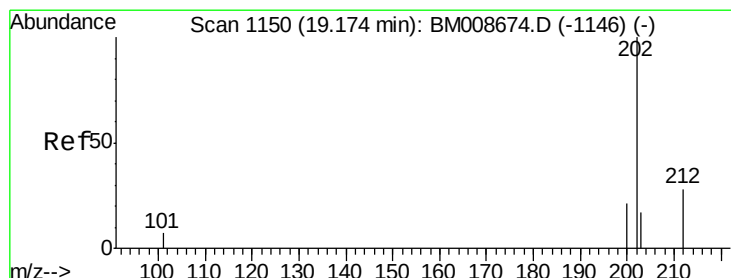
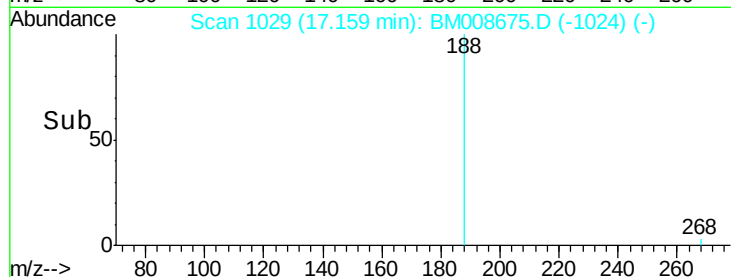
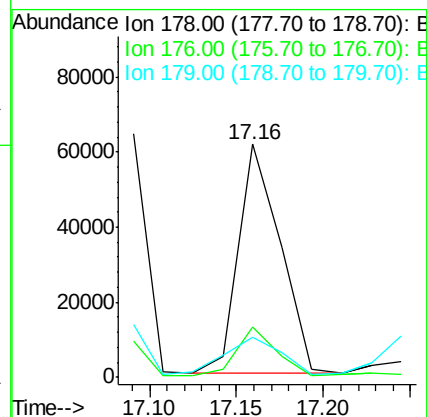
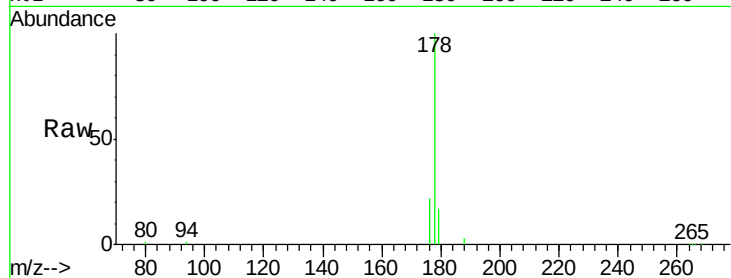
Tgt Ion:178 Resp: 102787

Ion Ratio Lower Upper

178 100

176 21.7 18.1 27.1

179 17.4 14.7 22.1



#15

Fluoranthene

Concen: 2.38 ng/ul

RT: 19.11 min Scan# 1145

Delta R.T. -0.06 min

Lab File: BM008675.D

Acq: 27 Dec 2016 16:02

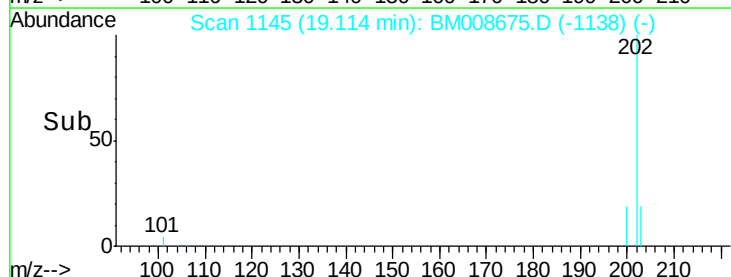
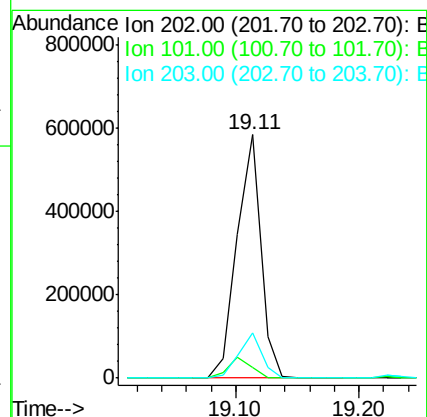
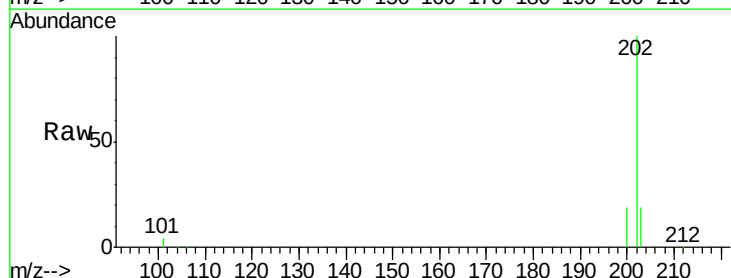
Tgt Ion:202 Resp: 784155

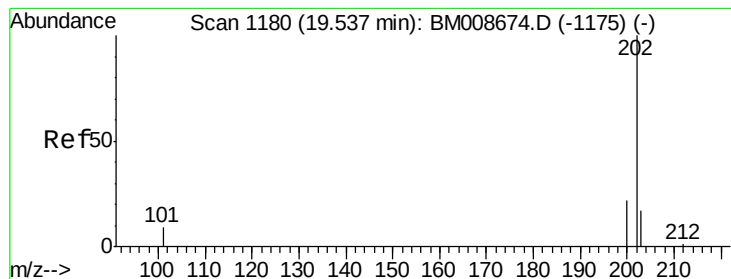
Ion Ratio Lower Upper

202 100

101 4.4 0.0 30.3

203 18.7 0.0 39.5





#17

Pyrene

Concen: 437.02 ng/ul

RT: 19.48 min Scan# 1175

Delta R.T. -0.06 min

Lab File: BM008675.D

Acq: 27 Dec 2016 16:02

Instrument :

BNA_M

ClientSampleId :

DA863

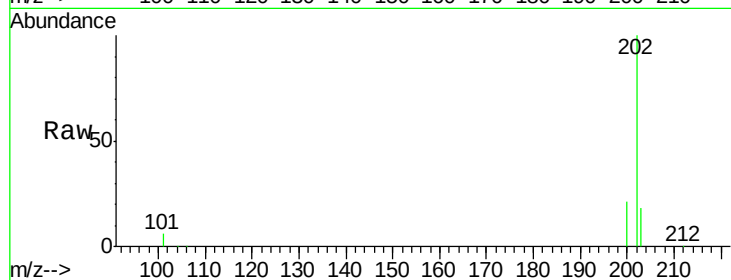
Tgt Ion:202 Resp: 650370

Ion Ratio Lower Upper

202 100

200 21.1 18.2 27.4

203 17.7 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

19.48

400000

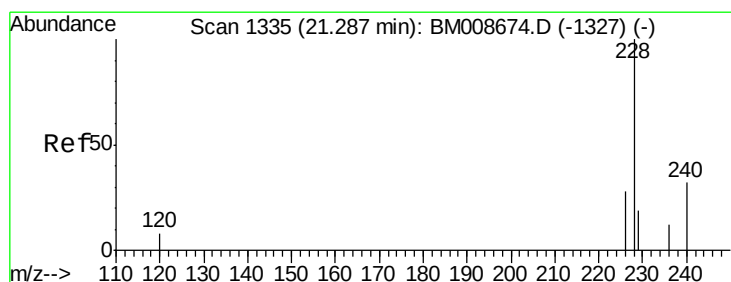
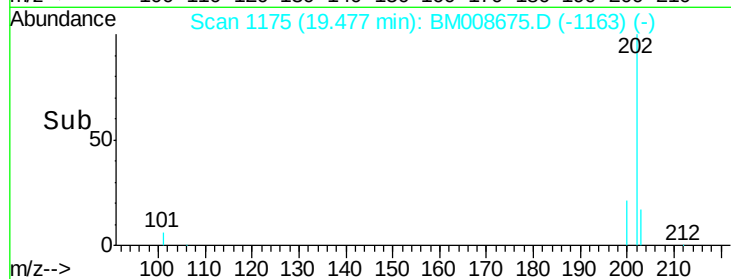
300000

200000

100000

0

Time-->



#18

Benzo(a)anthracene

Concen: 248.60 ng/ul

RT: 21.29 min Scan# 1335

Delta R.T. 0.00 min

Lab File: BM008675.D

Acq: 27 Dec 2016 16:02

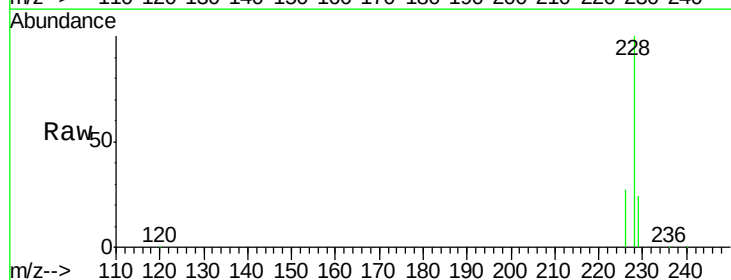
Tgt Ion:228 Resp: 314281

Ion Ratio Lower Upper

228 100

226 27.1 22.8 34.2

229 23.8 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

21.29

200000

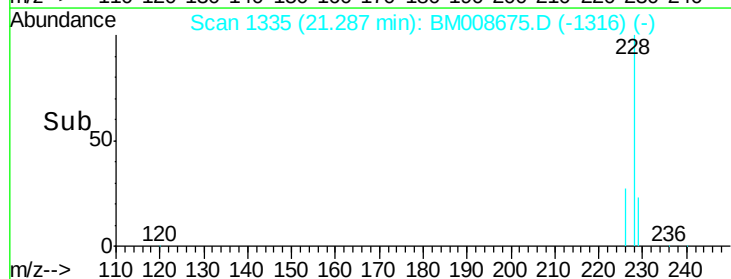
150000

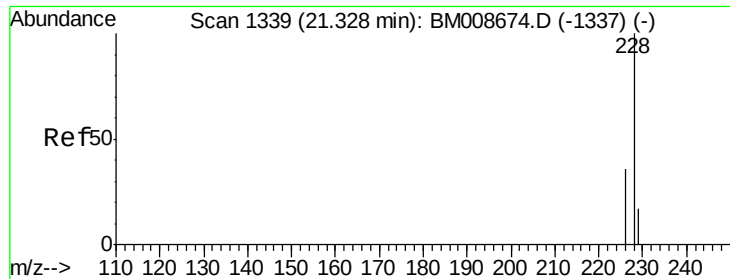
100000

50000

0

Time-->





#19

Chrysene

Concen: 226.02 ng/ul

RT: 21.29 min Scan# 1335

Delta R.T. -0.04 min

Lab File: BM008675.D

Acq: 27 Dec 2016 16:02

Instrument :

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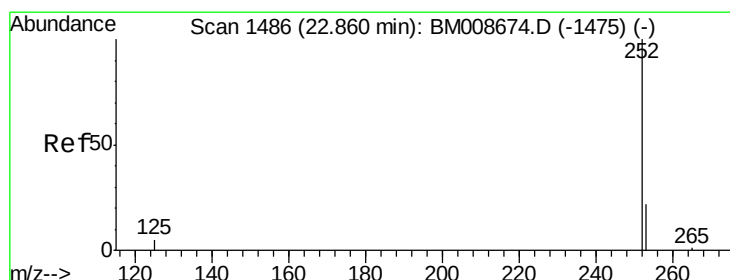
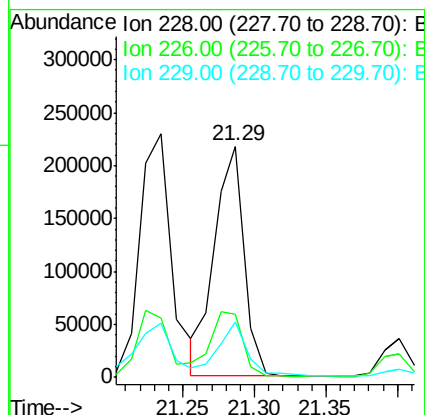
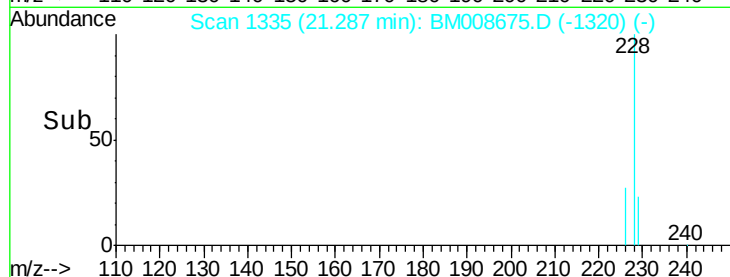
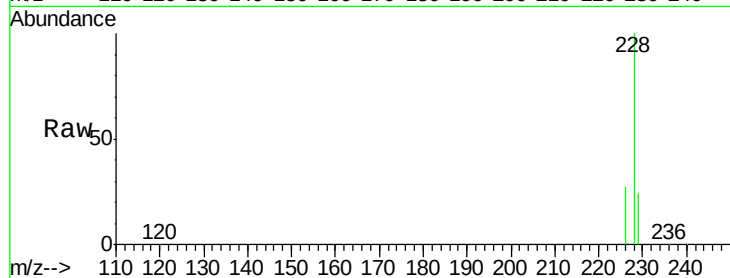
Tgt Ion:228 Resp: 312843

Ion Ratio Lower Upper

228 100

226 27.1 23.4 35.0

229 23.8 17.7 26.5



#21

Benzo(b)fluoranthene

Concen: 12.07 ng/ul

RT: 22.98 min Scan# 1497

Delta R.T. 0.11 min

Lab File: BM008675.D

Acq: 27 Dec 2016 16:02

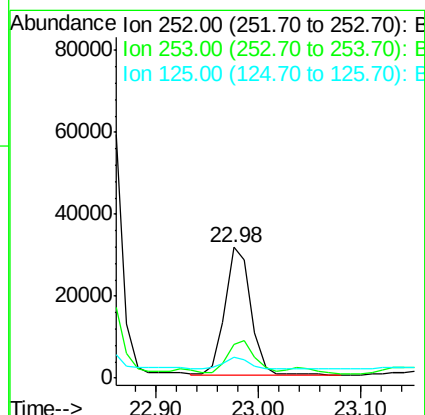
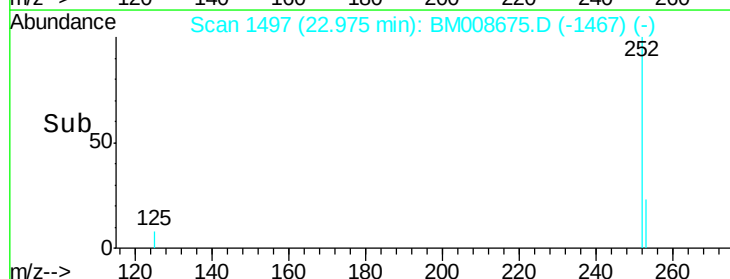
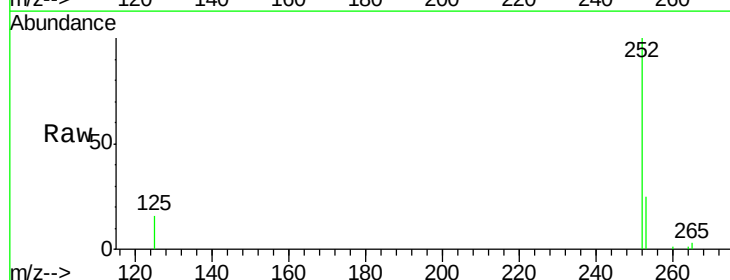
Tgt Ion:252 Resp: 54607

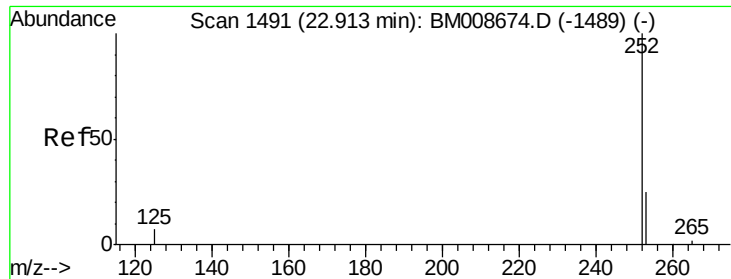
Ion Ratio Lower Upper

252 100

253 25.5 0.0 64.2

125 16.2 0.0 35.0





#22

Benzo(k)fluoranthene

Concen: 12.38 ng/ul

RT: 22.98 min Scan# 1497

Delta R.T. 0.06 min

Lab File: BM008675.D

Acq: 27 Dec 2016 16:02

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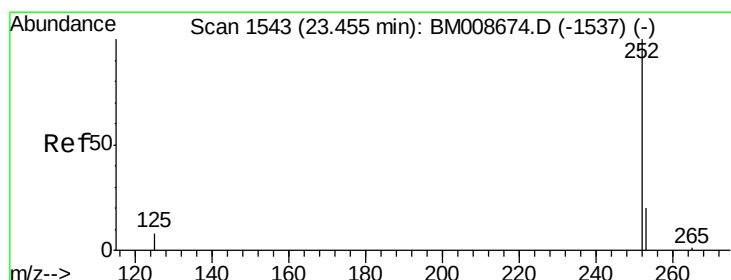
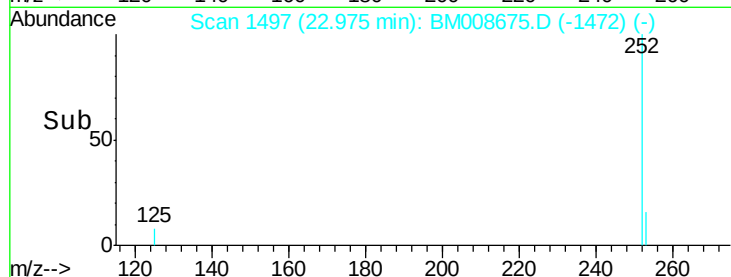
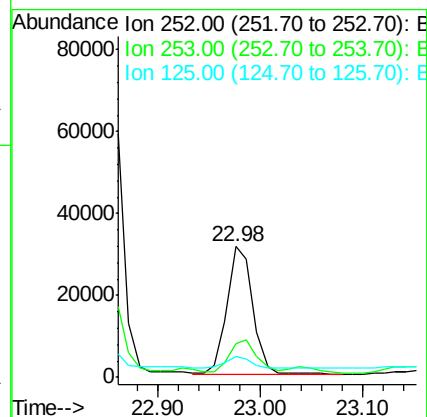
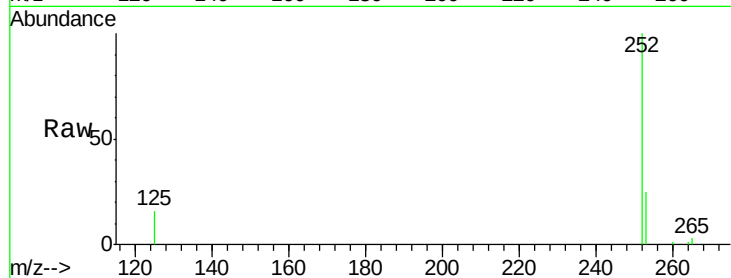
Tgt Ion:252 Resp: 54607

Ion Ratio Lower Upper

252 100

253 25.5 24.5 36.7

125 16.2 13.7 20.5



#23

Benzo(a)pyrene

Concen: 22.94 ng/ul

RT: 23.53 min Scan# 1550

Delta R.T. 0.07 min

Lab File: BM008675.D

Acq: 27 Dec 2016 16:02

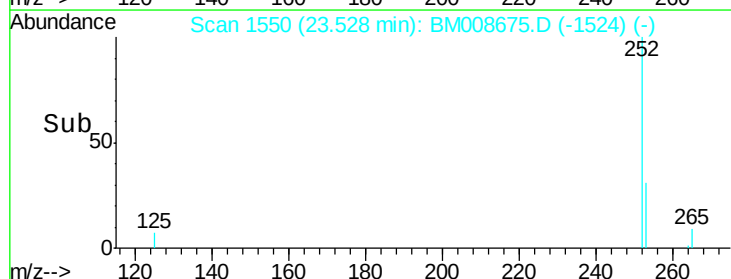
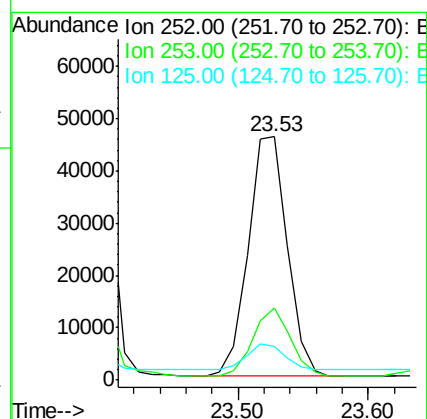
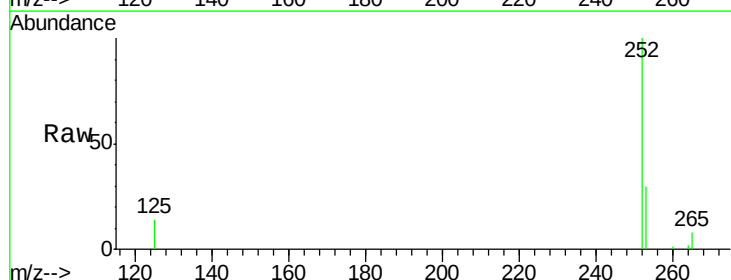
Tgt Ion:252 Resp: 96162

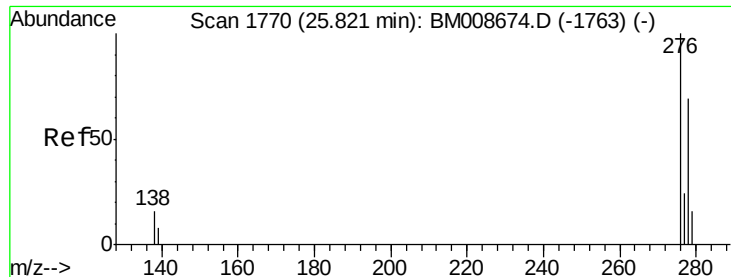
Ion Ratio Lower Upper

252 100

253 29.6 28.5 42.7

125 13.8 18.1 27.1#





#24

Indeno(1,2,3-cd)pyrene

Concen: 2.25 ng/ul

RT: 25.97 min Scan# 1784

Delta R.T. 0.15 min

Lab File: BM008675.D

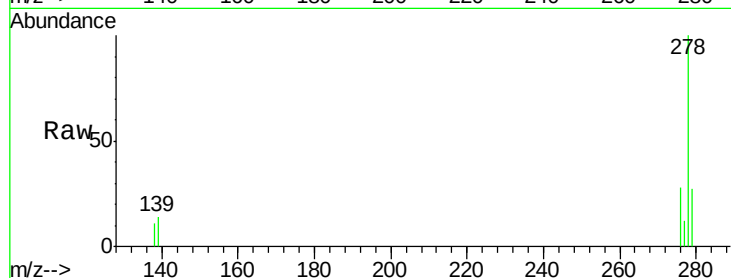
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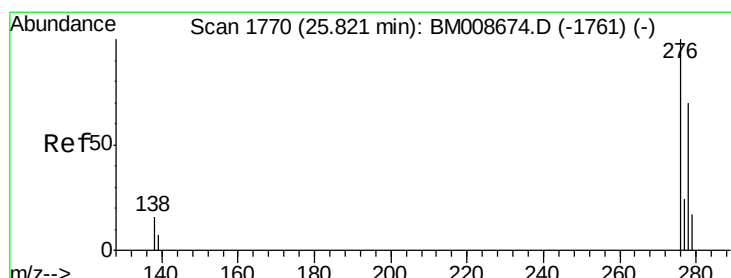
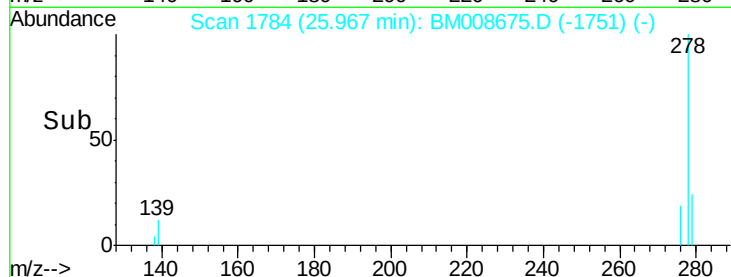
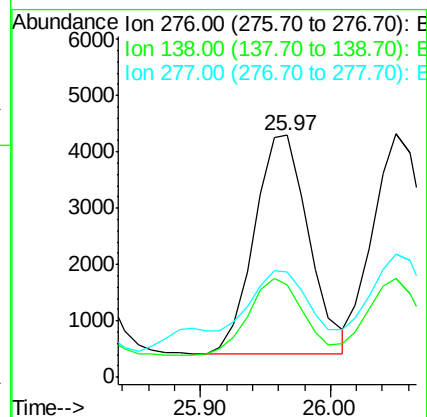
Tgt Ion:276 Resp: 11224

Ion Ratio Lower Upper

276 100

138 35.1 19.1 28.7#

277 53.3 19.6 29.4#



#25

Dibenzo(a,h)anthracene

Concen: 3.98 ng/ul

RT: 25.81 min Scan# 1769

Delta R.T. -0.01 min

Lab File: BM008675.D

Acq: 27 Dec 2016 16:02

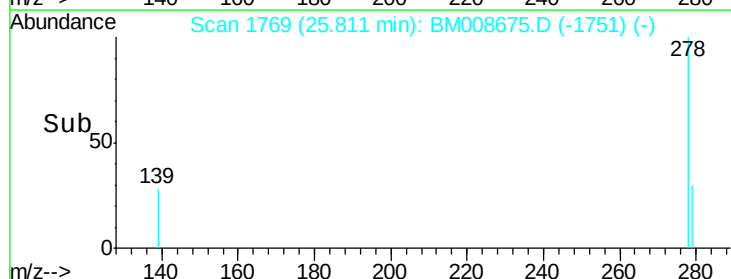
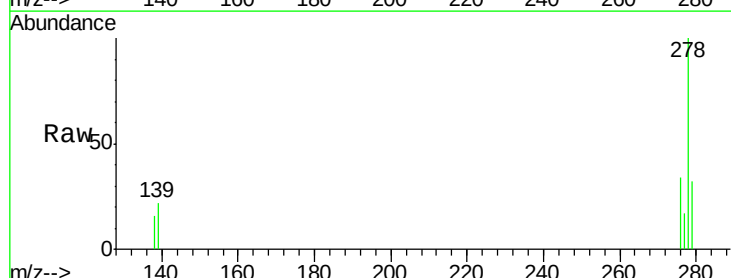
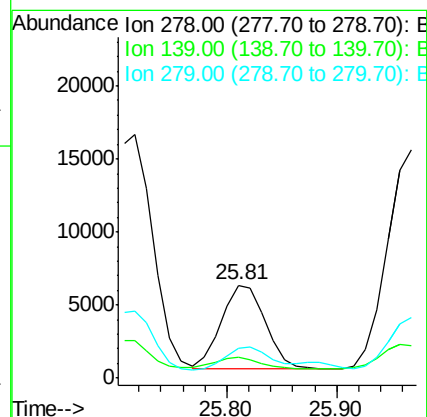
Tgt Ion:278 Resp: 15876

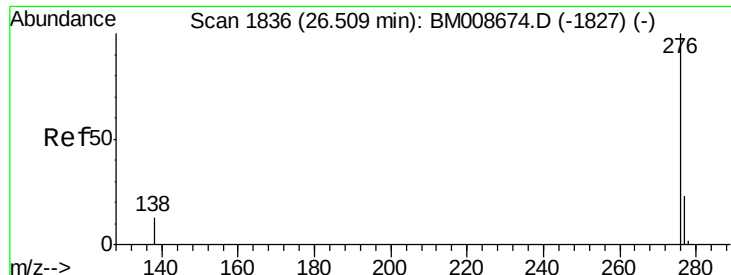
Ion Ratio Lower Upper

278 100

139 22.0 17.4 26.0

279 31.5 25.9 38.9





#26

Benzo(g,h,i)perylene

Concen: 0.59 ng/ul

RT: 26.62 min Scan# 1847

Delta R.T. 0.11 min

Lab File: BM008675.D

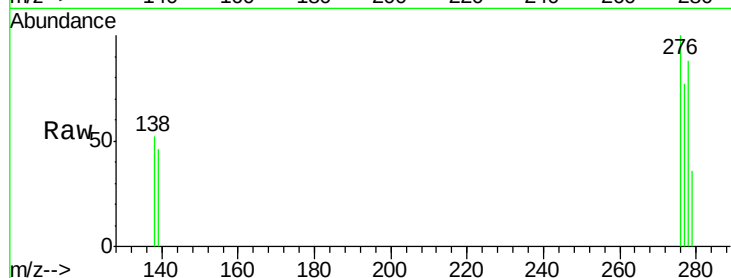
Acq: 27 Dec 2016 16:02

Instrument :

BNA_M

ClientSampleId :

DA863



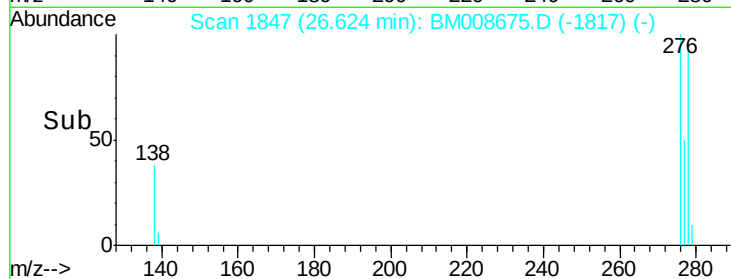
Tgt Ion: 276 Resp: 2531

Ion Ratio Lower Upper

276 100

277 76.8 21.8 32.8#

138 51.6 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

