

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM122216\
 Data File : BM008575.D
 Acq On : 23 Dec 2016 02:52
 Operator : UM/SJ
 Sample : H5970-21DL 2X
 Misc :
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 DA860DL

Quant Time: Dec 23 05:53:40 2016
 Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-SIM-BM121916.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Dec 23 05:50:04 2016
 Response via : Initial Calibration

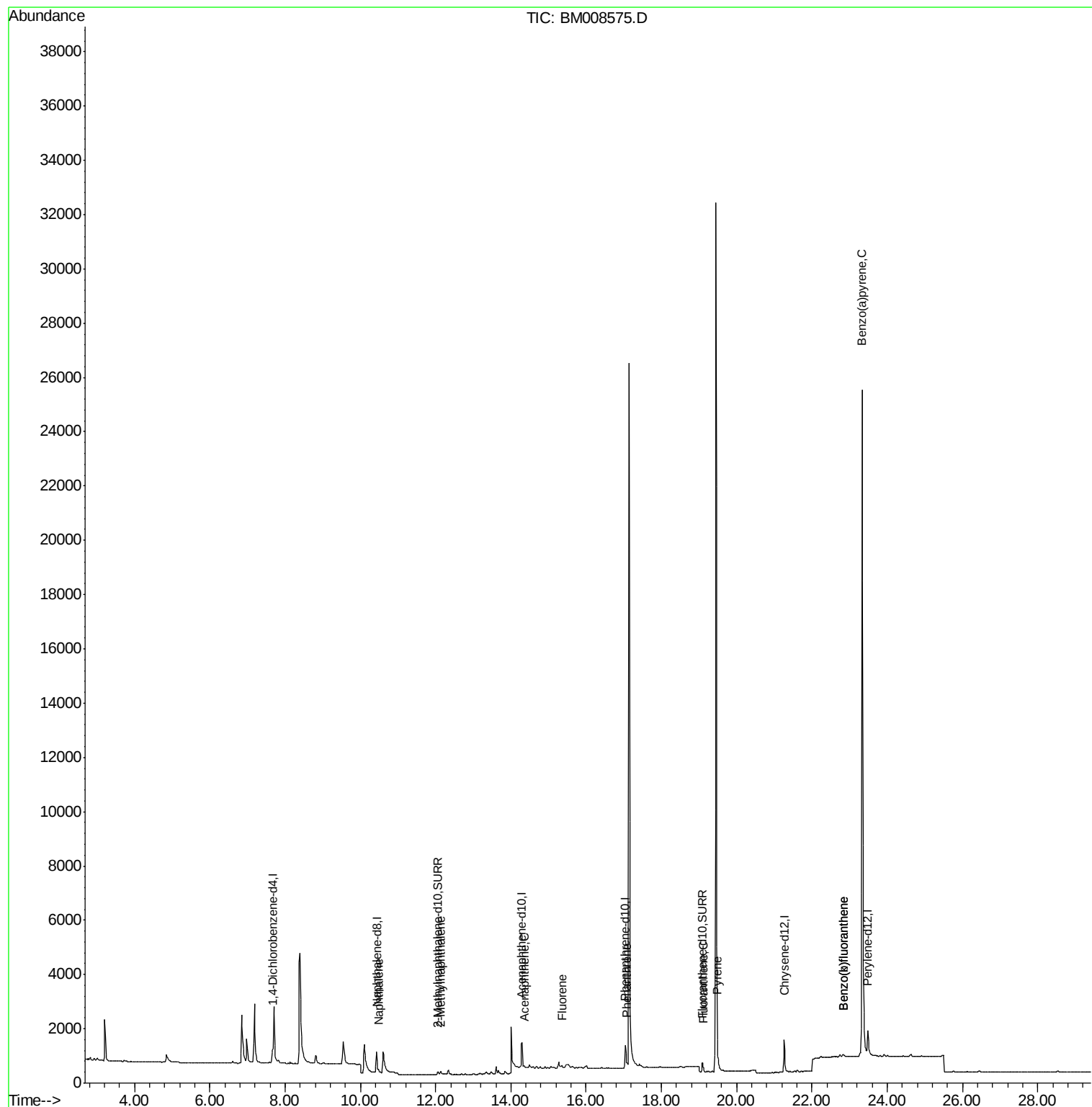
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.67	152	413	0.40	ng/ul	-0.06
2) Naphthalene-d8	10.44	136	1274	0.40	ng/ul	-0.05
6) Acenaphthene-d10	14.30	164	740	0.40	ng/ul	-0.02
10) Phenanthrene-d10	17.04	188	1367	0.40	ng/ul	-0.03
16) Chrysene-d12	21.26	240	1388	0.40	ng/ul	-0.01
20) Perylene-d12	23.48	264	1632	0.40	ng/ul	-0.01
System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	12.06	152	225	0.12	ng/ul	-0.03
14) Fluoranthene-d10	19.10	212	618	0.16	ng/ul	-0.01
Target Compounds						
					Qvalue	
3) Naphthalene	10.49	128	129	0.04	ng/ul#	9
5) 2-Methylnaphthalene	12.13	142	156	0.06	ng/ul	90
8) Acenaphthene	14.35	153	58	0.02	ng/ul#	79
9) Fluorene	15.36	166	99	0.03	ng/ul#	80
12) Phenanthrene	17.09	178	314	0.08	ng/ul#	49
15) Fluoranthene	19.12	202	288	0.06	ng/ul#	29
17) Pyrene	19.48	202	295	0.05	ng/ul#	41
21) Benzo(b)fluoranthene	22.83	252	196	0.03	ng/ul#	1
22) Benzo(k)fluoranthene	22.83	252	196	0.03	ng/ul#	1
23) Benzo(a)pyrene	23.34	252	240	0.04	ng/ul#	1

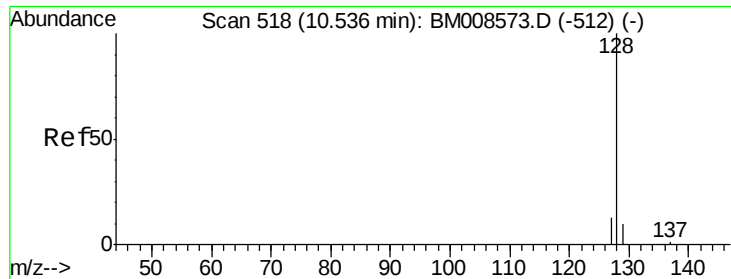
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Naphthalene

Concen: 0.04 ng/ul

RT: 10.49 min Scan# 514

Delta R.T. -0.05 min

Lab File: BM008575.D

Acq: 23 Dec 2016 02:52

Instrument :

BNA_M

ClientSampleId :

DA860DL

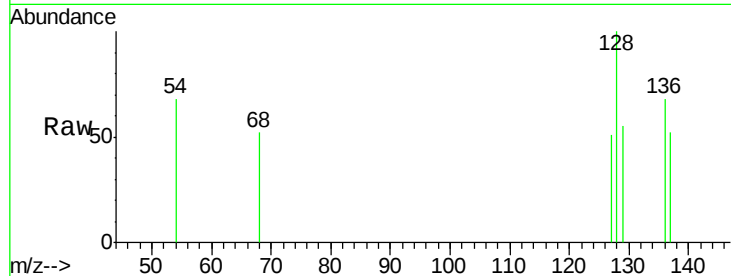
Tgt Ion:128 Resp: 129

Ion Ratio Lower Upper

128 100

129 55.0 11.3 16.9#

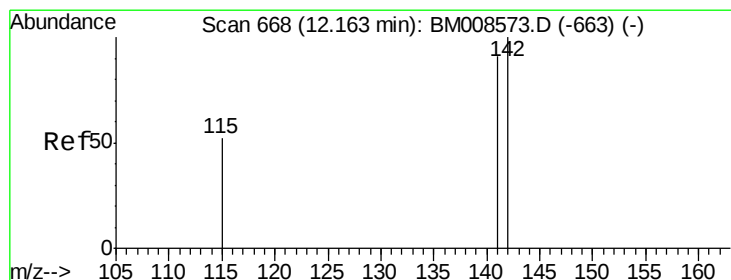
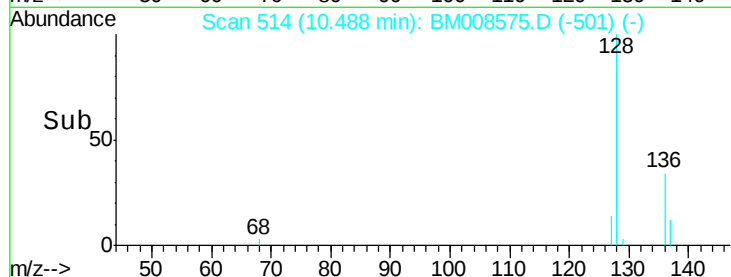
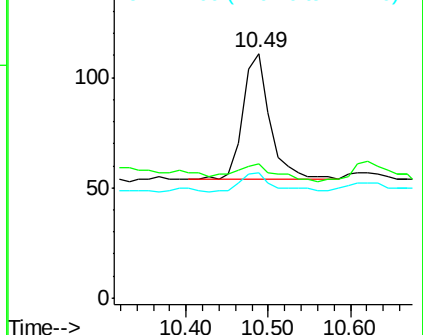
127 51.4 12.8 19.2#



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



#5

2-Methylnaphthalene

Concen: 0.06 ng/ul

RT: 12.13 min Scan# 665

Delta R.T. -0.03 min

Lab File: BM008575.D

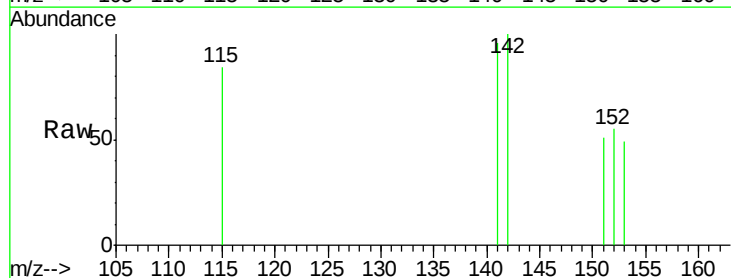
Acq: 23 Dec 2016 02:52

Tgt Ion:142 Resp: 156

Ion Ratio Lower Upper

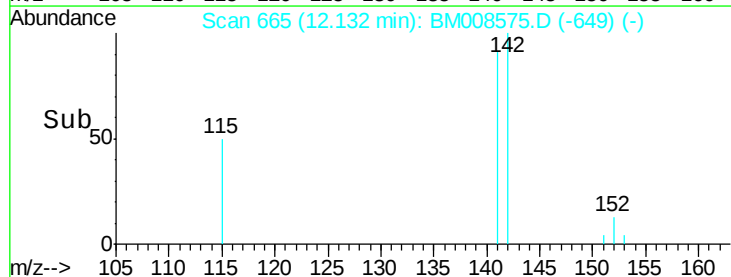
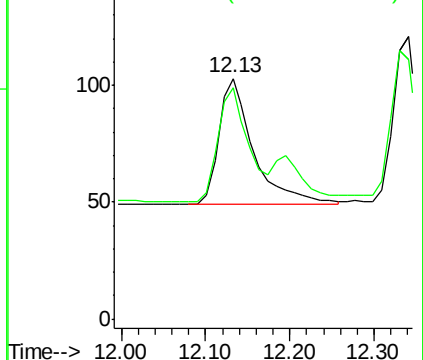
142 100

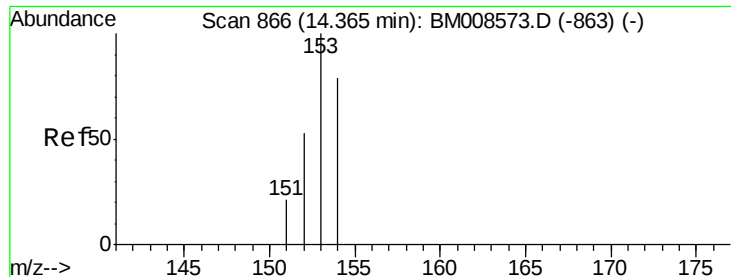
141 80.8 72.6 108.8



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#8

Acenaphthene

Concen: 0.02 ng/ul

RT: 14.35 min Scan# 865

Delta R.T. -0.02 min

Lab File: BM008575.D

Acq: 23 Dec 2016 02:52

Instrument :

BNA_M

ClientSampleId :

DA860DL

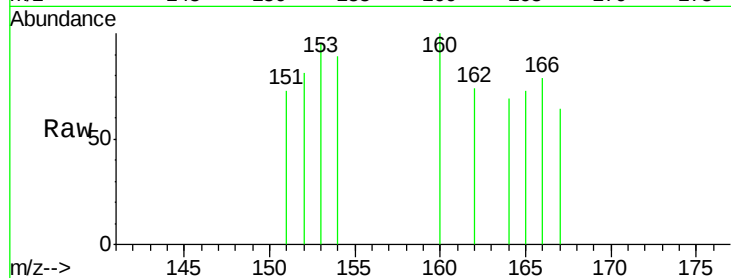
Tgt Ion:153 Resp: 58

Ion Ratio Lower Upper

153 100

152 85.7 40.3 60.5#

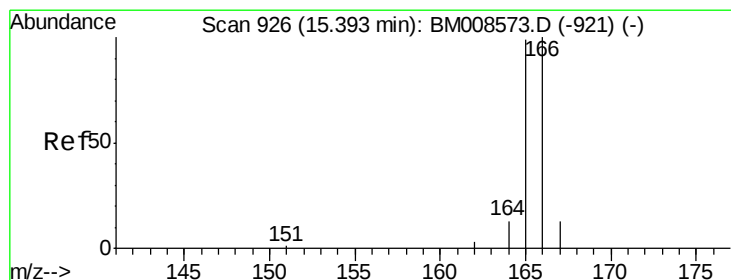
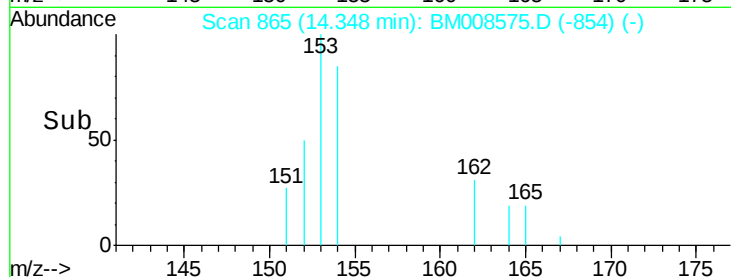
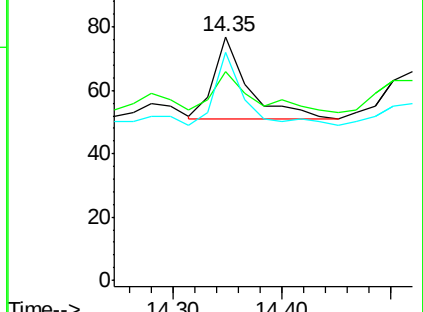
154 93.5 71.4 107.2



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: 0.03 ng/ul

RT: 15.36 min Scan# 924

Delta R.T. -0.03 min

Lab File: BM008575.D

Acq: 23 Dec 2016 02:52

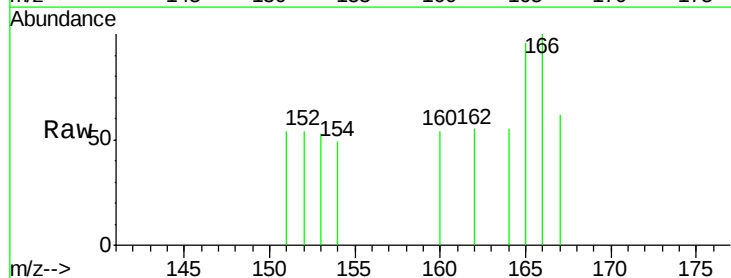
Tgt Ion:166 Resp: 99

Ion Ratio Lower Upper

166 100

165 96.2 73.4 110.2

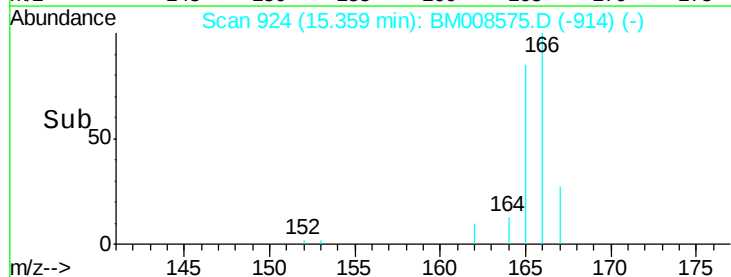
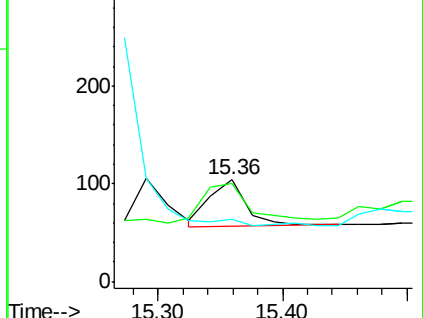
167 61.5 14.6 22.0#

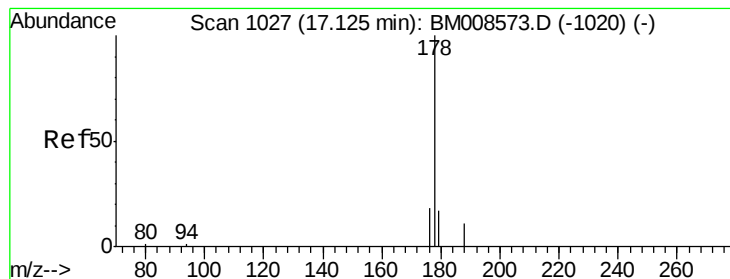


Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E





#12

Phenanthrene

Concen: 0.08 ng/u1

RT: 17.09 min Scan# 1025

Delta R.T. -0.03 min

Lab File: BM008575.D

Acq: 23 Dec 2016 02:52

Instrument :

BNA_M

ClientSampleId :

DA860DL

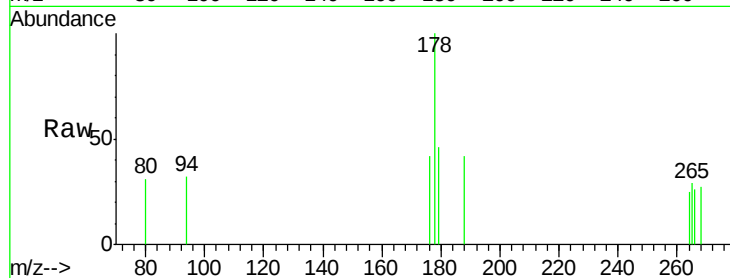
Tgt Ion:178 Resp: 314

Ion Ratio Lower Upper

178 100

176 42.0 18.4 27.6#

179 46.3 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

250

200

150

100

50

0

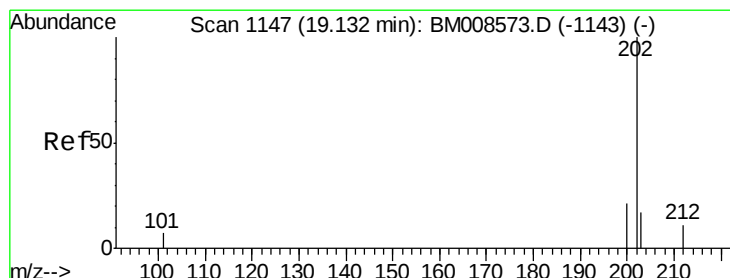
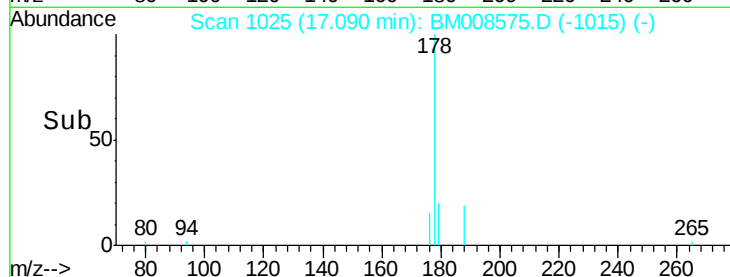
16.90

17.00

17.10

17.20

Time-->



#15

Fluoranthene

Concen: 0.06 ng/u1

RT: 19.12 min Scan# 1146

Delta R.T. -0.01 min

Lab File: BM008575.D

Acq: 23 Dec 2016 02:52

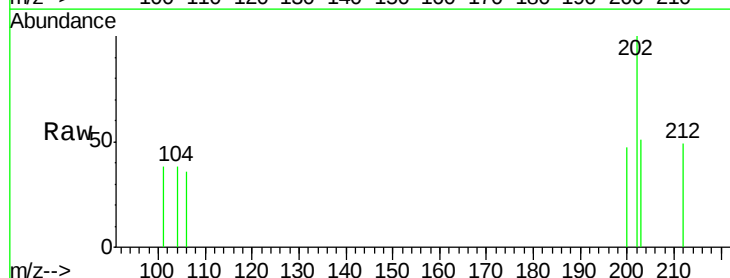
Tgt Ion:202 Resp: 288

Ion Ratio Lower Upper

202 100

101 38.1 0.0 30.3#

203 50.6 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

200

150

100

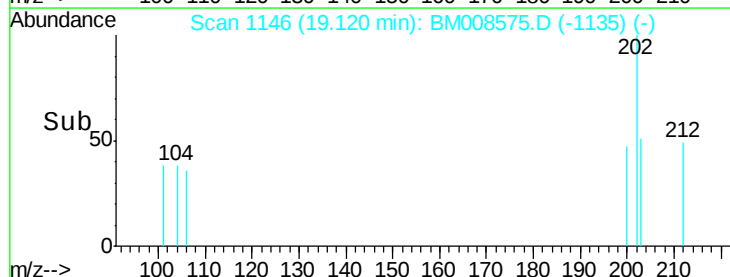
50

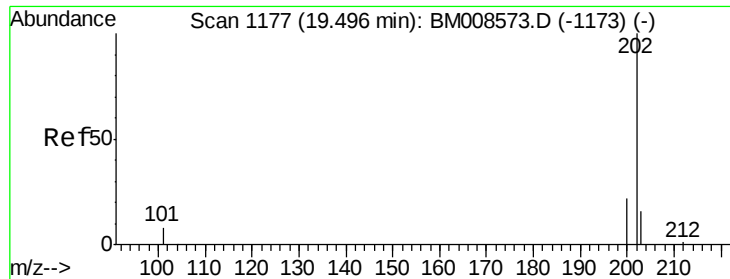
0

19.10

19.20

Time-->

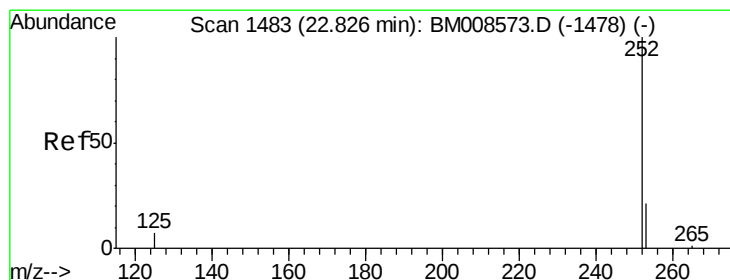
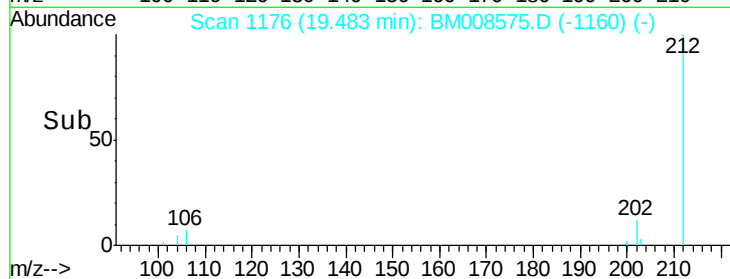
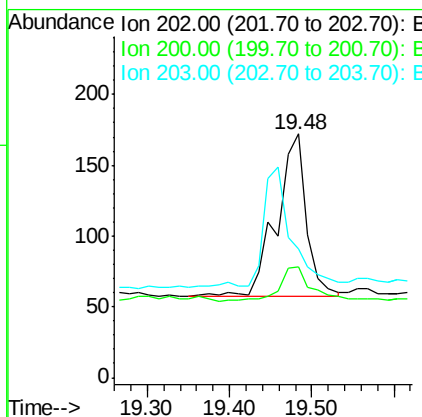
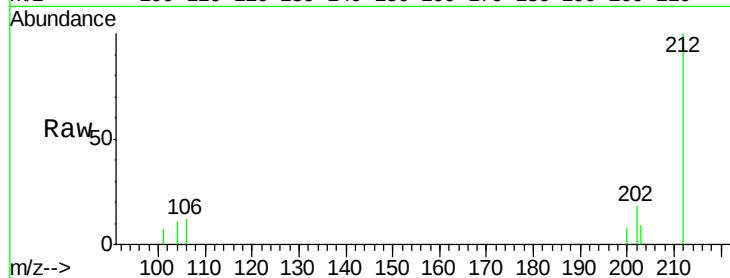




#17
 Pyrene
 Concen: 0.05 ng/ul
 RT: 19.48 min Scan# 1176
 Delta R.T. -0.01 min
 Lab File: BM008575.D
 Acq: 23 Dec 2016 02:52

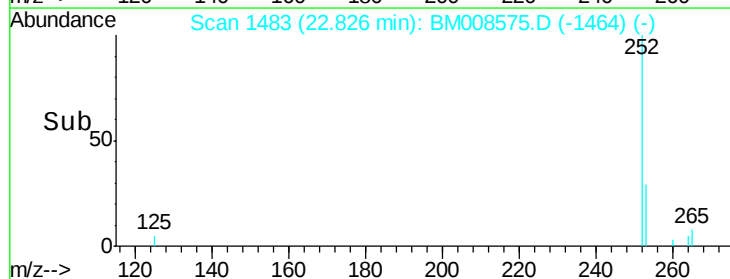
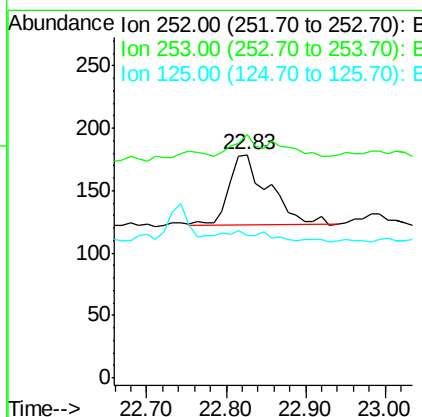
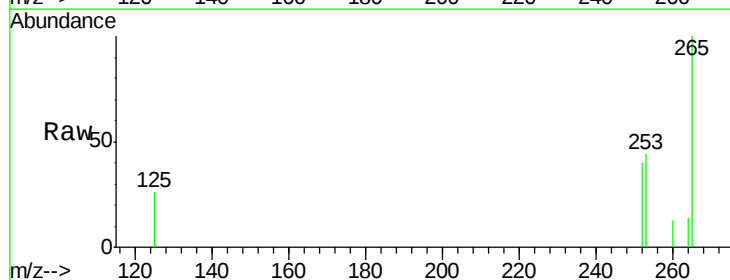
Instrument :
 BNA_M
 ClientSampleId :
 DA860DL

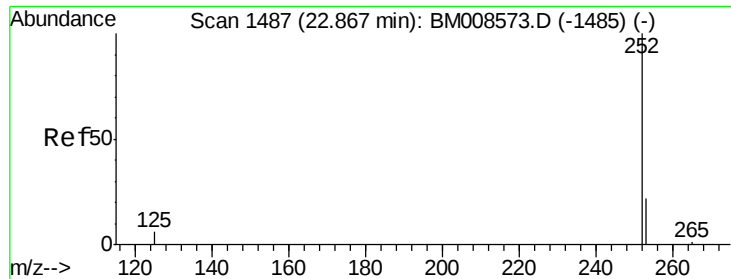
Tgt Ion: 202 Resp: 295
 Ion Ratio Lower Upper
 202 100
 200 45.3 18.2 27.4#
 203 52.9 15.6 23.4#



#21
 Benzo(b)fluoranthene
 Concen: 0.03 ng/ul
 RT: 22.83 min Scan# 1483
 Delta R.T. 0.00 min
 Lab File: BM008575.D
 Acq: 23 Dec 2016 02:52

Tgt Ion: 252 Resp: 196
 Ion Ratio Lower Upper
 252 100
 253 108.9 0.0 64.2#
 125 63.7 0.0 35.0#





#22

Benzo(k)fluoranthene

Concen: 0.03 ng/ul

RT: 22.83 min Scan# 1483

Delta R.T. -0.04 min

Lab File: BM008575.D

Acq: 23 Dec 2016 02:52

Instrument :

BNA_M

ClientSampleId :

DA860DL

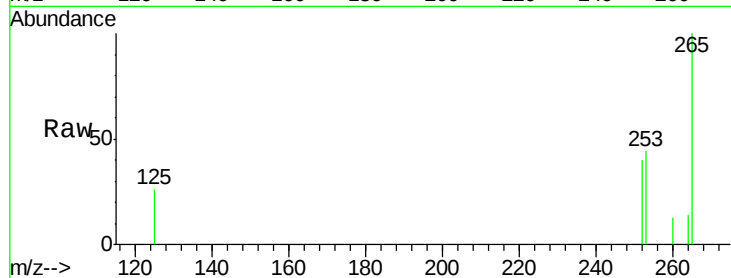
Tgt Ion:252 Resp: 196

Ion Ratio Lower Upper

252 100

253 108.9 24.5 36.7#

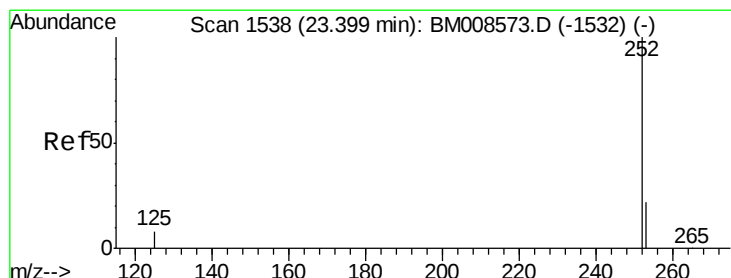
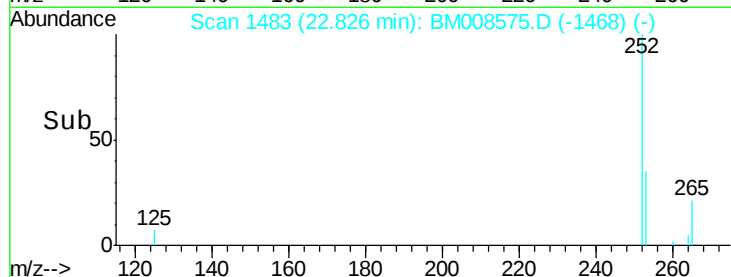
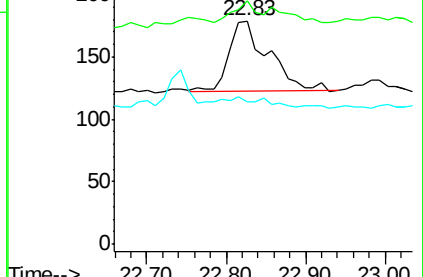
125 63.7 13.7 20.5#



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



#23

Benzo(a)pyrene

Concen: 0.04 ng/ul

RT: 23.34 min Scan# 1532

Delta R.T. -0.06 min

Lab File: BM008575.D

Acq: 23 Dec 2016 02:52

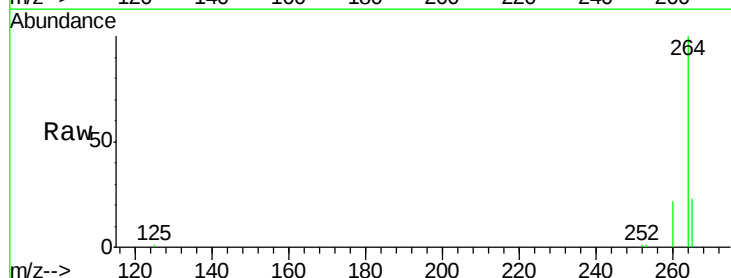
Tgt Ion:252 Resp: 240

Ion Ratio Lower Upper

252 100

253 104.6 28.5 42.7#

125 67.5 18.1 27.1#



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

