

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM122416\
 Data File : BM008660.D
 Acq On : 25 Dec 2016 08:24
 Operator : UM/SJ
 Sample : H6040-04DL 5X
 Misc :
 ALS Vial : 74 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 DA8T9DL

Quant Time: Dec 26 03:27:51 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	7.67	152	423	0.40	ng/ul	-0.11
2) Naphthalene-d8	10.42	136	1353	0.40	ng/ul	-0.10
6) Acenaphthene-d10	14.19	164	133	0.40	ng/ul	-0.14
10) Phenanthrene-d10	17.04	188	1965	0.40	ng/ul	-0.05
16) Chrysene-d12	21.25	240	1490	0.40	ng/ul	-0.02
20) Perylene-d12	23.47	264	1686	0.40	ng/ul	-0.03

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) 2-Methylnaphthalene-d10	12.01	152	97	0.05	ng/ul	-0.11
14) Fluoranthene-d10	19.07	212	5631	1.04	ng/ul	-0.04

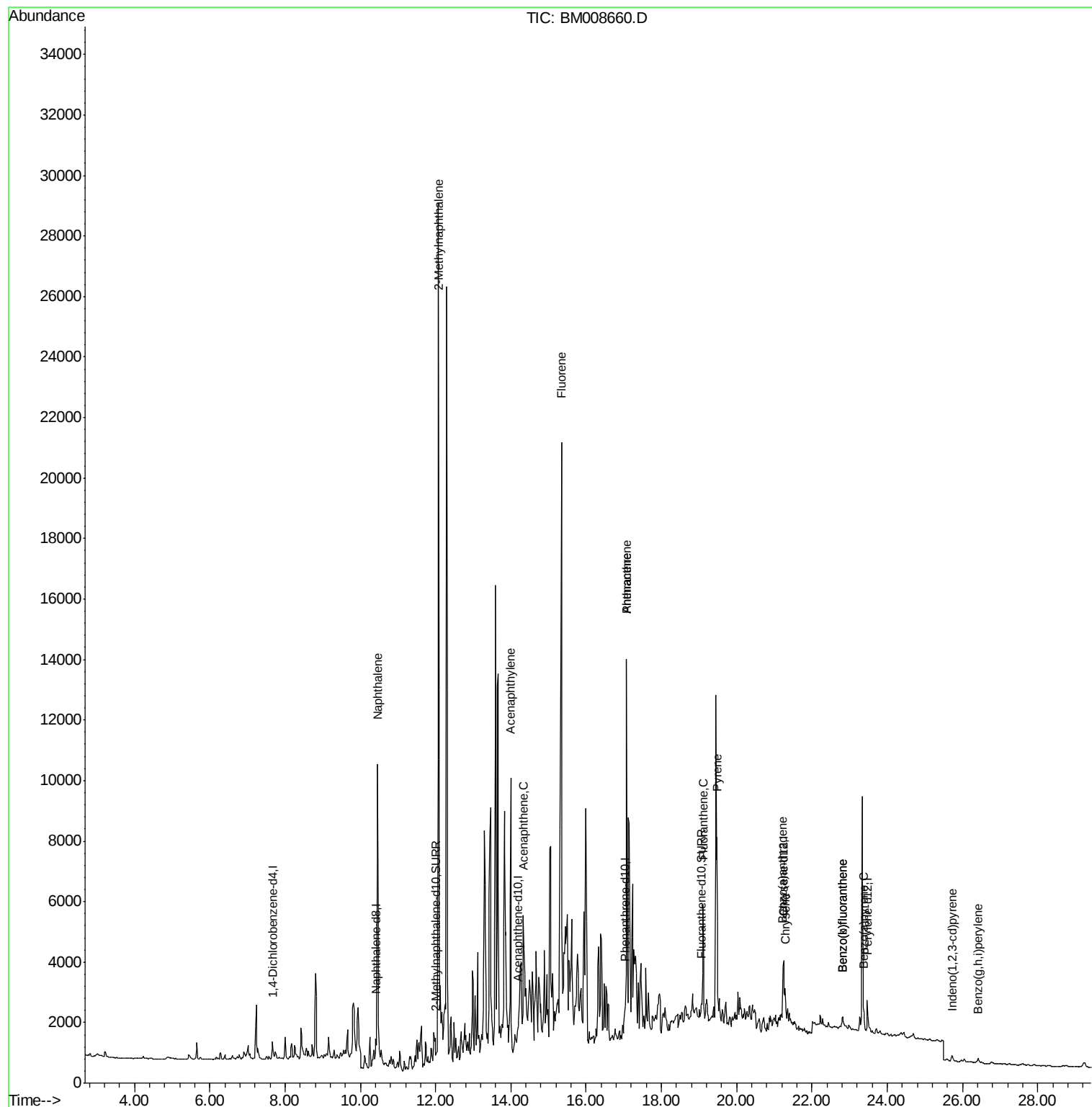
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Naphthalene	10.46	128	15753	4.14	ng/ul	95
5) 2-Methylnaphthalene	12.08	142	21963	8.57	ng/ul	99
7) Acenaphthylene	14.00	152	870	1.45	ng/ul#	8
8) Acenaphthene	14.33	153	2814	6.22	ng/ul	90
9) Fluorene	15.34	166	14219	27.53	ng/ul	99
12) Phenanthrene	17.07	178	14971	2.49	ng/ul#	94
13) Anthracene	17.07	178	13887	2.38	ng/ul	96
15) Fluoranthene	19.11	202	4211	0.57	ng/ul	85
17) Pyrene	19.47	202	5966	1.04	ng/ul#	91
18) Benzo(a)anthracene	21.23	228	1552	0.32	ng/ul#	35
19) Chrysene	21.28	228	1275	0.24	ng/ul#	34
21) Benzo(b)fluoranthene	22.82	252	846	0.13	ng/ul#	26
22) Benzo(k)fluoranthene	22.82	252	835	0.13	ng/ul#	23
23) Benzo(a)pyrene	23.38	252	659	0.11	ng/ul#	51
24) Indeno(1,2,3-cd)pyrene	25.72	276	303	0.04	ng/ul#	85
26) Benzo(g,h,i)perylene	26.41	276	359	0.06	ng/ul#	24

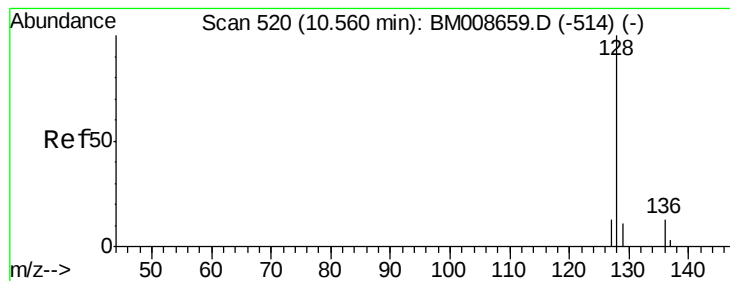
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM122416\
Data File : BM008660.D
Acq On : 25 Dec 2016 08:24
Operator : UM/SJ
Sample : H6040-04DL 5X
Misc :
ALS Vial : 74 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
DA8T9DL

Quant Time: Dec 26 03:27:51 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





#3

Naphthalene

Concen: 4.14 ng/ul

RT: 10.46 min Scan# 512

Delta R.T. -0.10 min

Lab File: BM008660.D

Acq: 25 Dec 2016 08:24

Instrument :

BNA_M

ClientSampleId :

DA8T9DL

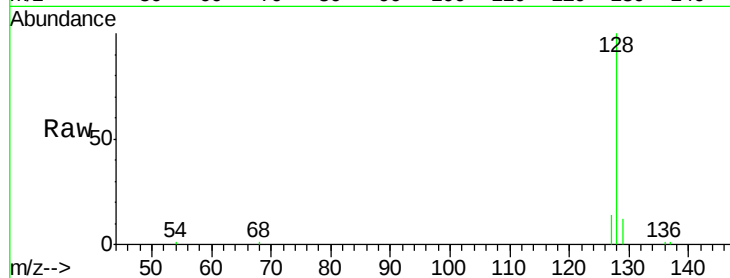
Tgt Ion:128 Resp: 15753

Ion Ratio Lower Upper

128 100

129 12.4 11.3 16.9

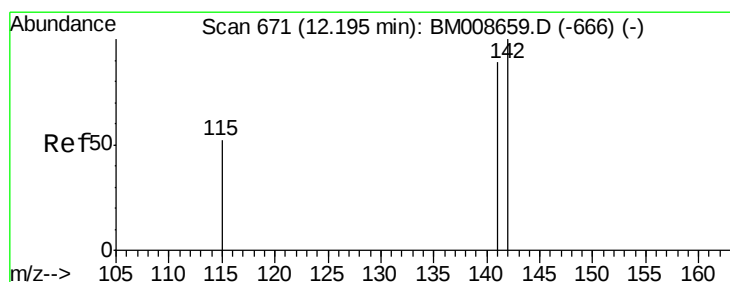
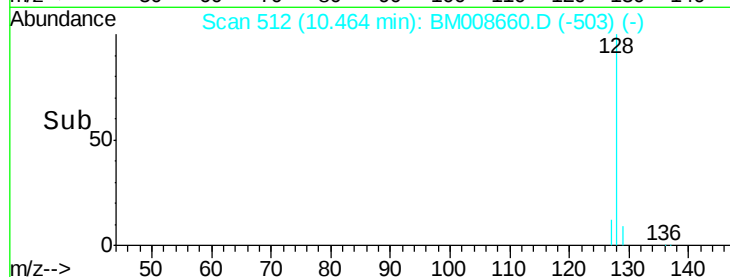
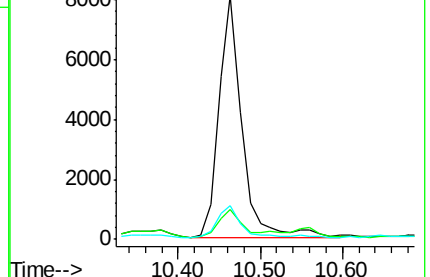
127 13.6 12.8 19.2



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: 8.57 ng/ul

RT: 12.08 min Scan# 660

Delta R.T. -0.11 min

Lab File: BM008660.D

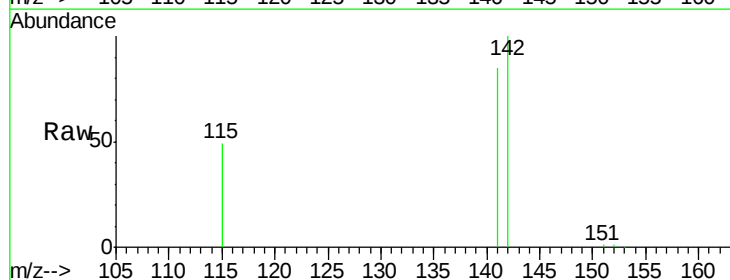
Acq: 25 Dec 2016 08:24

Tgt Ion:142 Resp: 21963

Ion Ratio Lower Upper

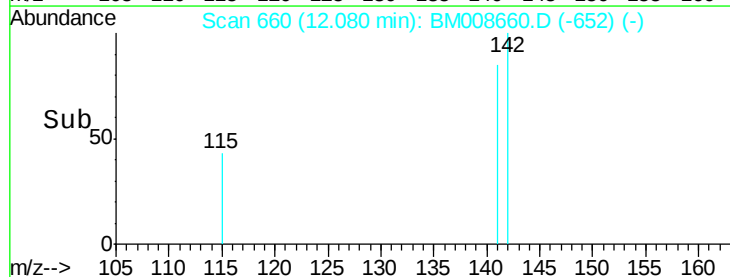
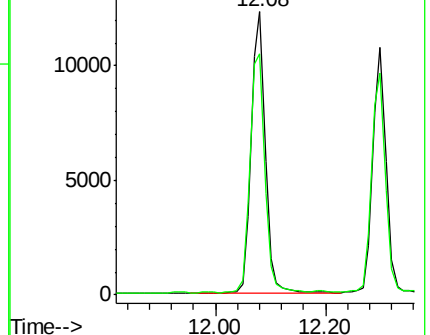
142 100

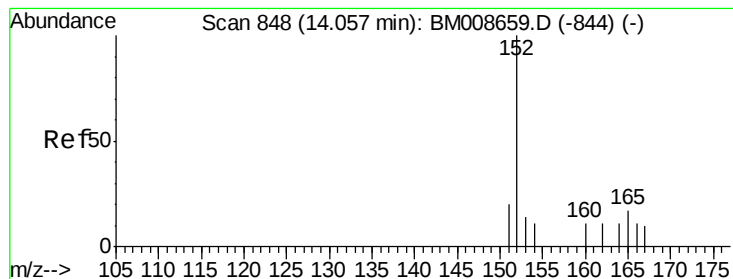
141 89.6 72.6 108.8



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#7

Acenaphthylene

Concen: 1.45 ng/ul

RT: 14.00 min Scan# 844

Delta R.T. -0.06 min

Lab File: BM008660.D

Acq: 25 Dec 2016 08:24

Instrument :

BNA_M

ClientSampleId :

DA8T9DL

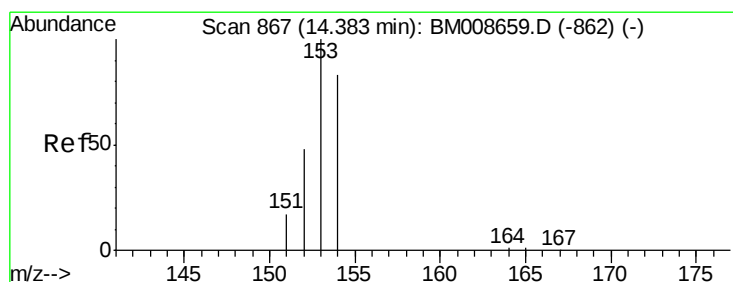
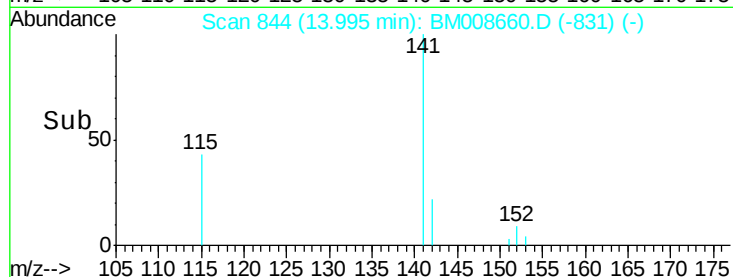
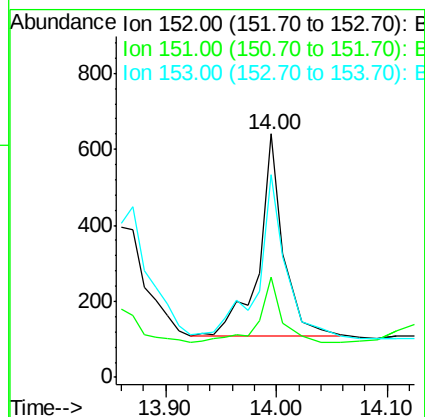
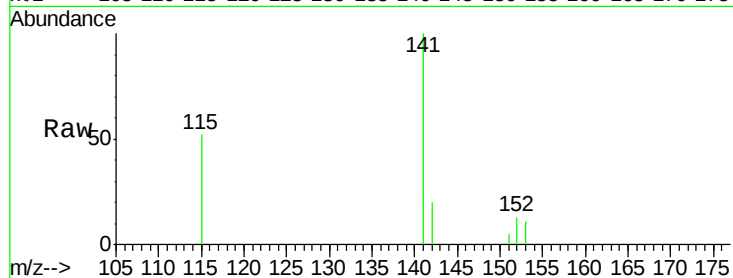
Tgt Ion:152 Resp: 870

Ion Ratio Lower Upper

152 100

151 41.2 17.1 25.7#

153 83.2 12.8 19.2#



#8

Acenaphthene

Concen: 6.22 ng/ul

RT: 14.33 min Scan# 864

Delta R.T. -0.05 min

Lab File: BM008660.D

Acq: 25 Dec 2016 08:24

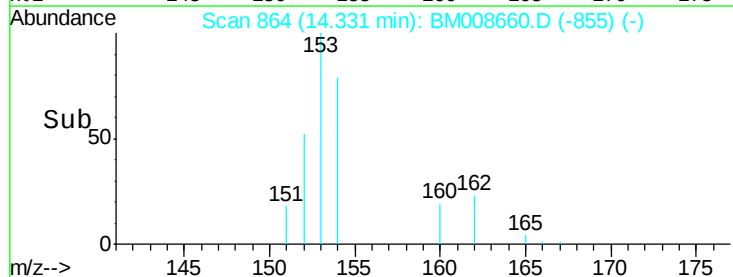
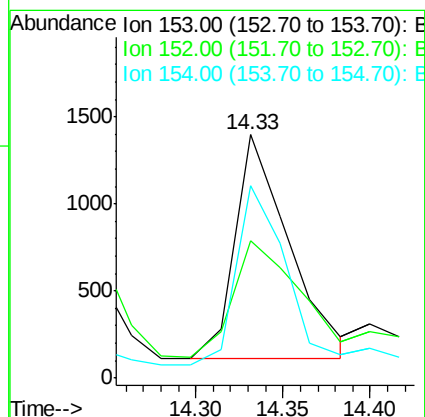
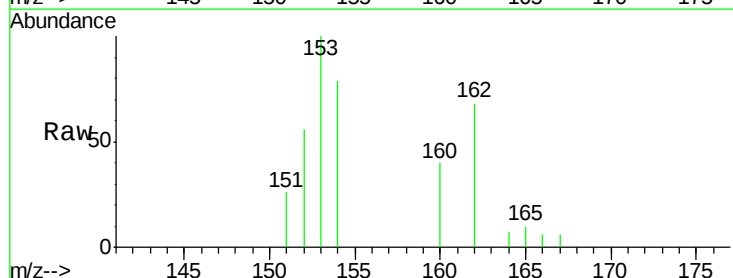
Tgt Ion:153 Resp: 2814

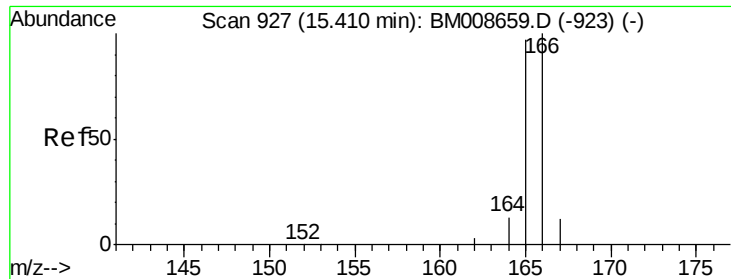
Ion Ratio Lower Upper

153 100

152 56.4 40.3 60.5

154 79.0 71.4 107.2





#9

Fluorene

Concen: 27.53 ng/ul

RT: 15.34 min Scan# 923

Delta R.T. -0.07 min

Lab File: BM008660.D

Acq: 25 Dec 2016 08:24

Instrument :

BNA_M

ClientSampleId :

DA8T9DL

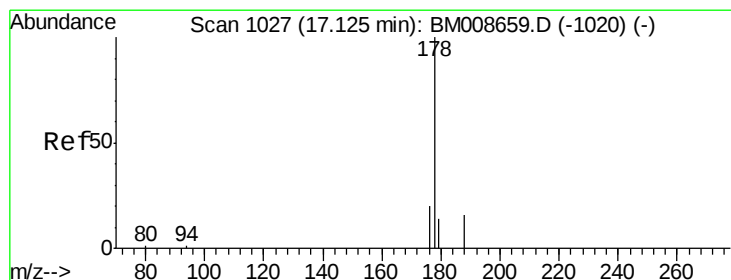
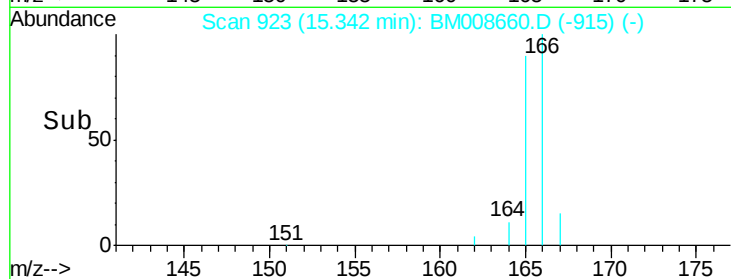
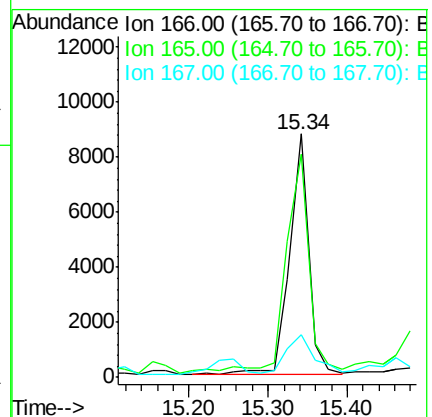
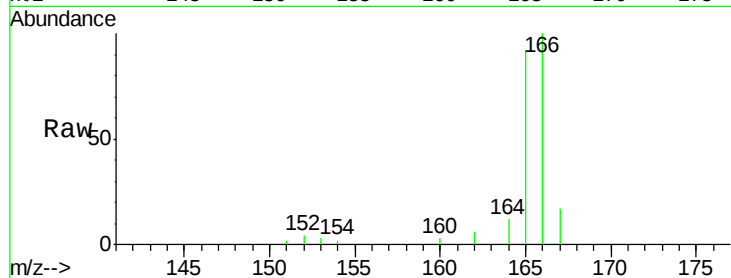
Tgt Ion:166 Resp: 14219

Ion Ratio Lower Upper

166 100

165 91.6 73.4 110.2

167 17.4 14.6 22.0



#12

Phenanthrene

Concen: 2.49 ng/ul

RT: 17.07 min Scan# 1024

Delta R.T. -0.05 min

Lab File: BM008660.D

Acq: 25 Dec 2016 08:24

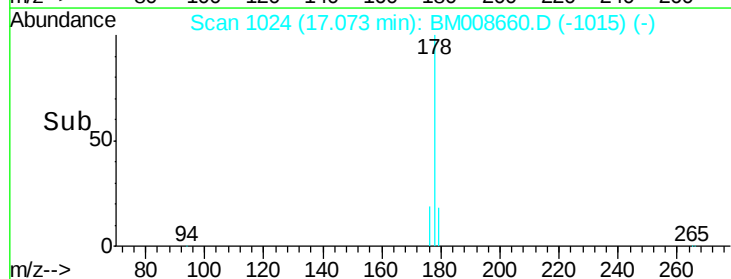
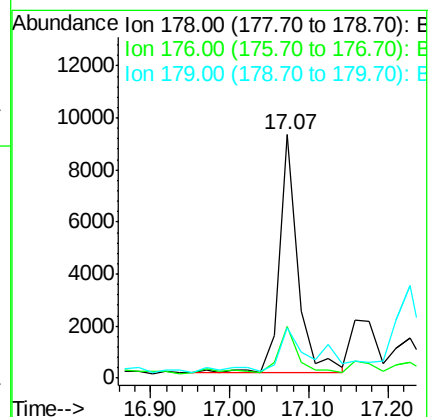
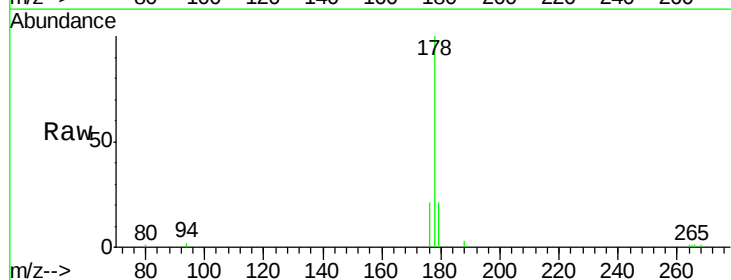
Tgt Ion:178 Resp: 14971

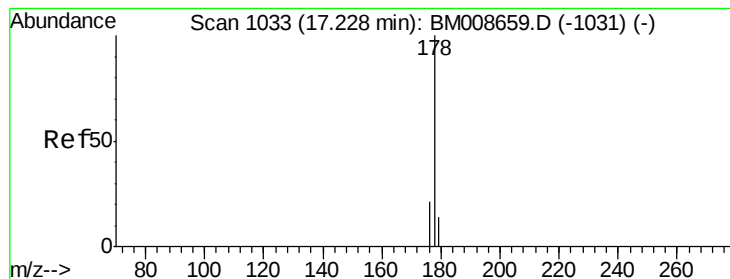
Ion Ratio Lower Upper

178 100

176 21.3 18.4 27.6

179 20.8 13.6 20.4#





#13

Anthracene

Concen: 2.38 ng/ul

RT: 17.07 min Scan# 1024

Delta R.T. -0.15 min

Lab File: BM008660.D

Acq: 25 Dec 2016 08:24

Instrument :

BNA_M

ClientSampleId :

DA8T9DL

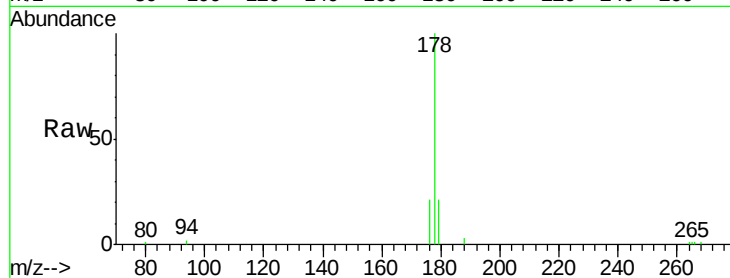
Tgt Ion:178 Resp: 13887

Ion Ratio Lower Upper

178 100

176 21.3 18.1 27.1

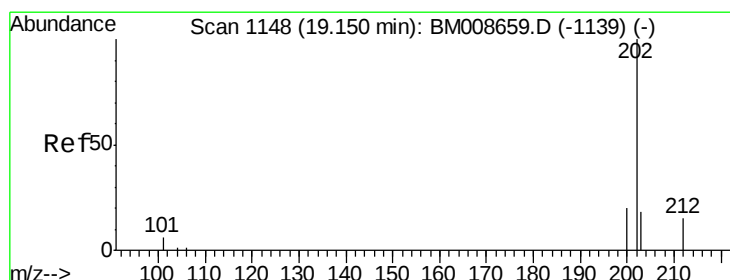
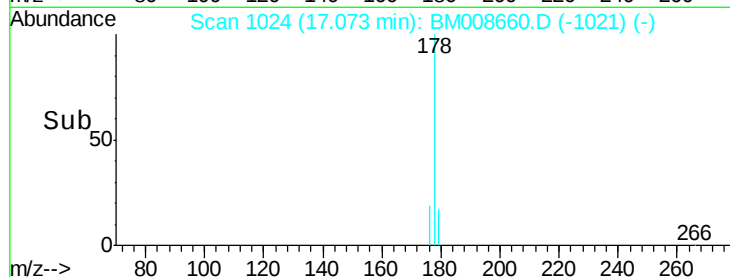
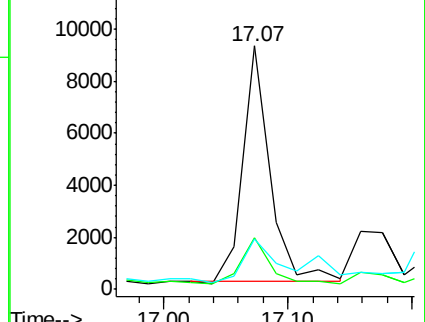
179 20.8 14.7 22.1



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: 0.57 ng/ul

RT: 19.11 min Scan# 1145

Delta R.T. -0.04 min

Lab File: BM008660.D

Acq: 25 Dec 2016 08:24

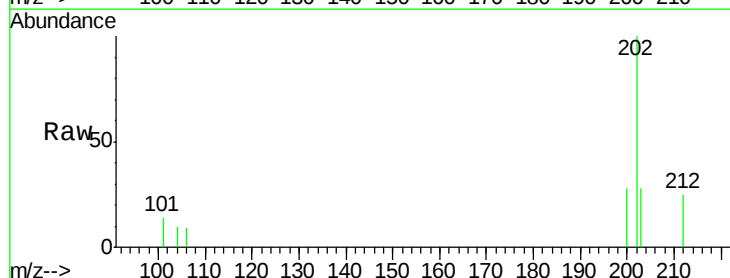
Tgt Ion:202 Resp: 4211

Ion Ratio Lower Upper

202 100

101 13.5 0.0 30.3

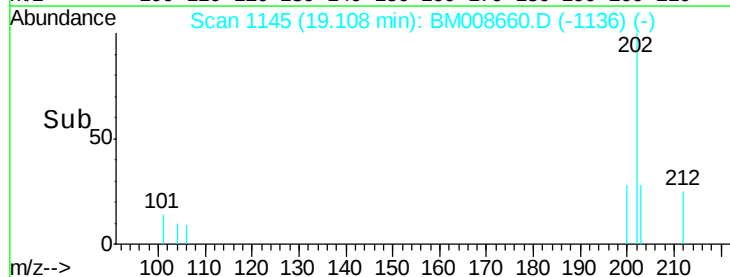
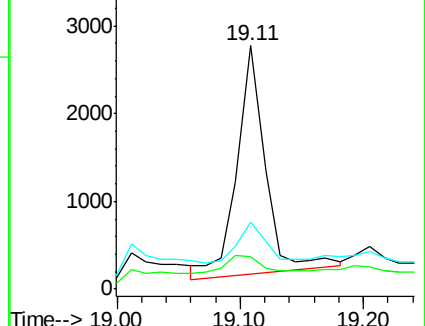
203 27.6 0.0 39.5

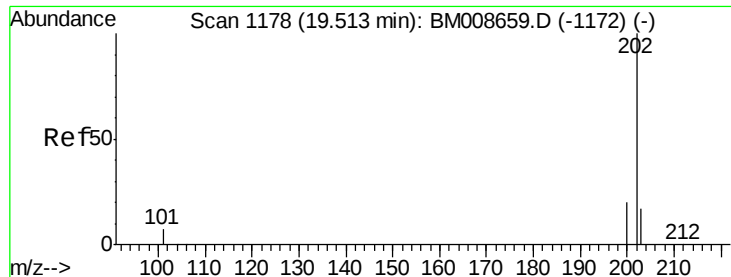


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E

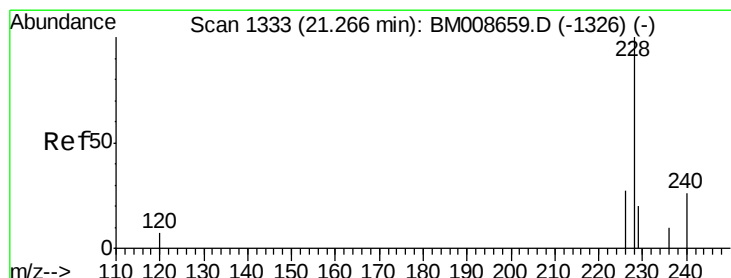
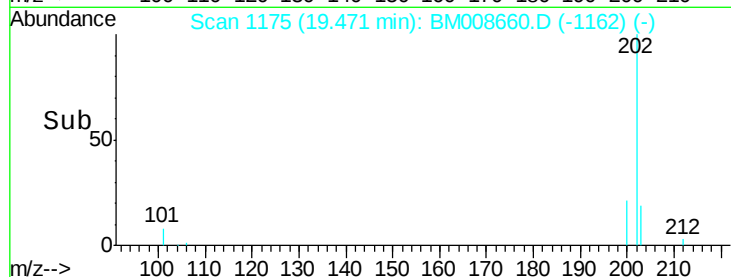
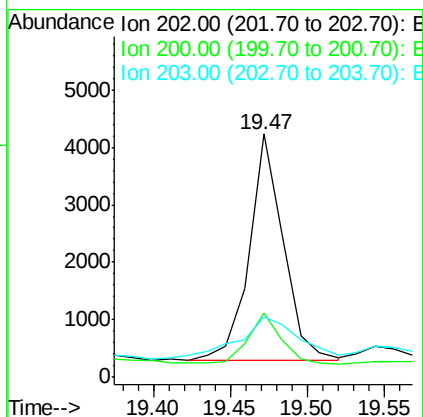
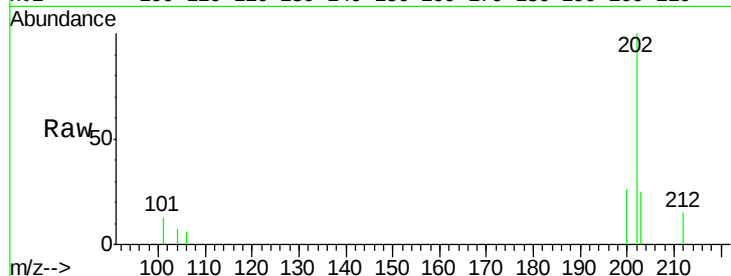




#17
 Pyrene
 Concen: 1.04 ng/ul
 RT: 19.47 min Scan# 1175
 Delta R.T. -0.04 min
 Lab File: BM008660.D
 Acq: 25 Dec 2016 08:24

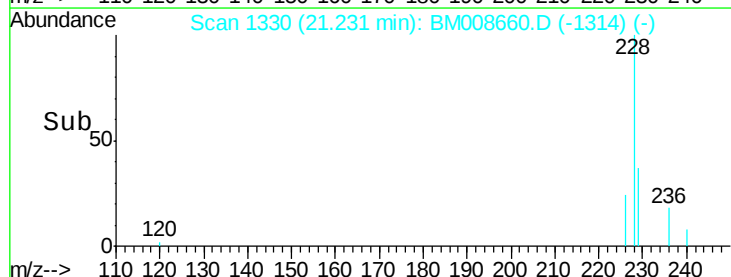
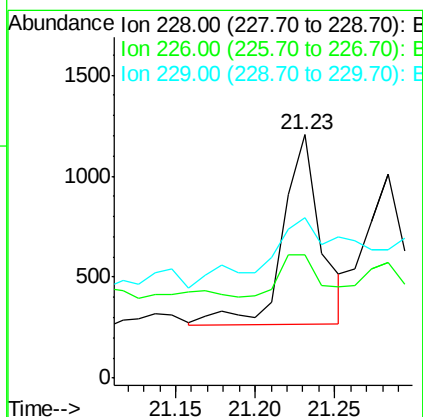
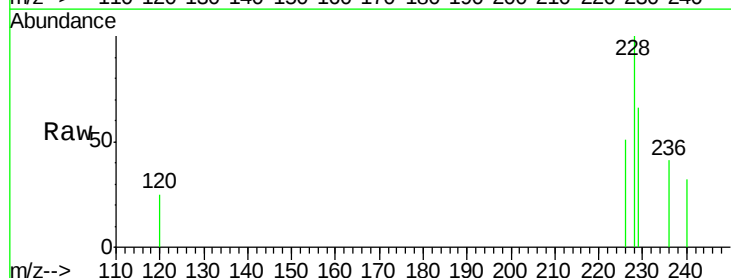
Instrument :
 BNA_M
 ClientSampleId :
 DA8T9DL

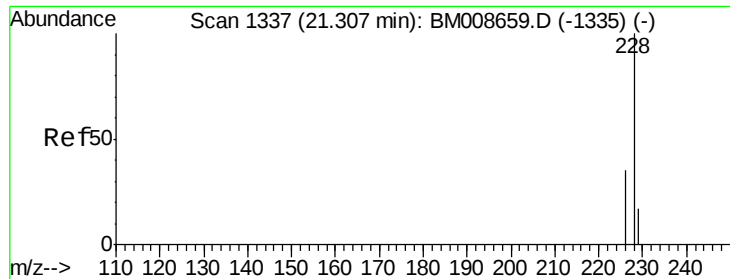
Tgt Ion: 202 Resp: 5966
 Ion Ratio Lower Upper
 202 100
 200 26.2 18.2 27.4
 203 25.0 15.6 23.4#



#18
 Benzo(a)anthracene
 Concen: 0.32 ng/ul
 RT: 21.23 min Scan# 1330
 Delta R.T. -0.03 min
 Lab File: BM008660.D
 Acq: 25 Dec 2016 08:24

Tgt Ion: 228 Resp: 1552
 Ion Ratio Lower Upper
 228 100
 226 50.7 22.8 34.2#
 229 66.0 17.0 25.6#





#19

Chrysene

Concen: 0.24 ng/ul

RT: 21.28 min Scan# 1335

Delta R.T. -0.02 min

Lab File: BM008660.D

Acq: 25 Dec 2016 08:24

Instrument :

BNA_M

ClientSampleId :

DA8T9DL

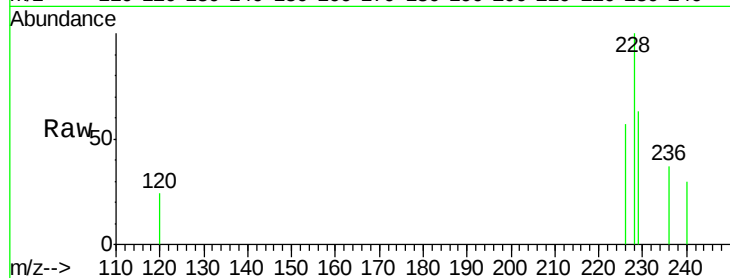
Tgt Ion:228 Resp: 1275

Ion Ratio Lower Upper

228 100

226 56.6 23.4 35.0#

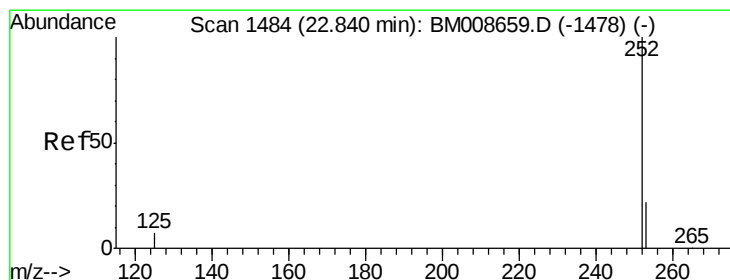
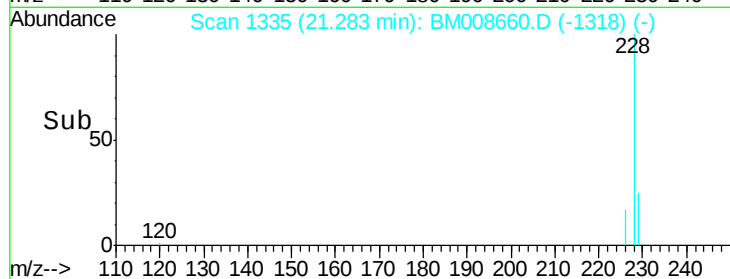
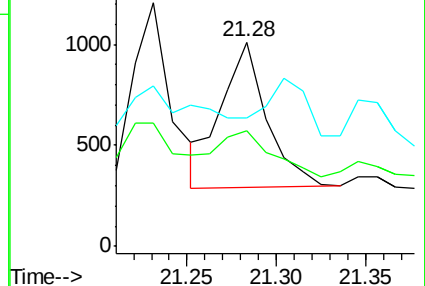
229 62.8 17.7 26.5#



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: 0.13 ng/ul

RT: 22.82 min Scan# 1482

Delta R.T. -0.02 min

Lab File: BM008660.D

Acq: 25 Dec 2016 08:24

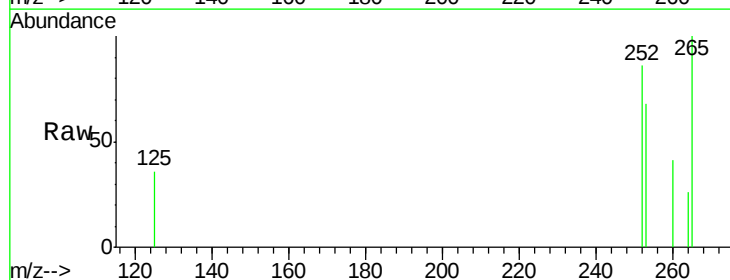
Tgt Ion:252 Resp: 846

Ion Ratio Lower Upper

252 100

253 79.4 0.0 64.2#

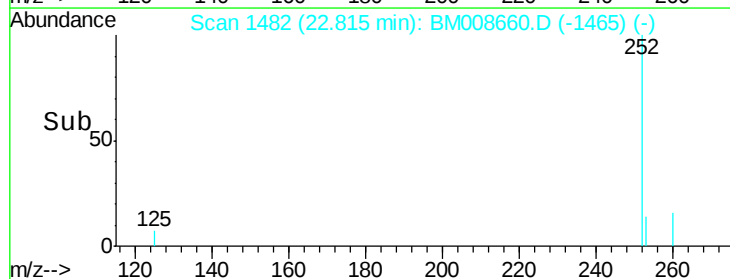
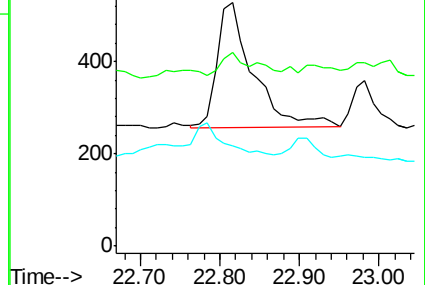
125 41.3 0.0 35.0#

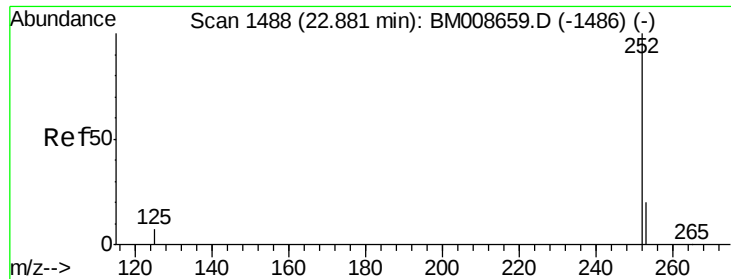


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#22

Benzo(k)fluoranthene

Concen: 0.13 ng/ul

RT: 22.82 min Scan# 1482

Delta R.T. -0.07 min

Lab File: BM008660.D

Acq: 25 Dec 2016 08:24

Instrument :

BNA_M

ClientSampleId :

DA8T9DL

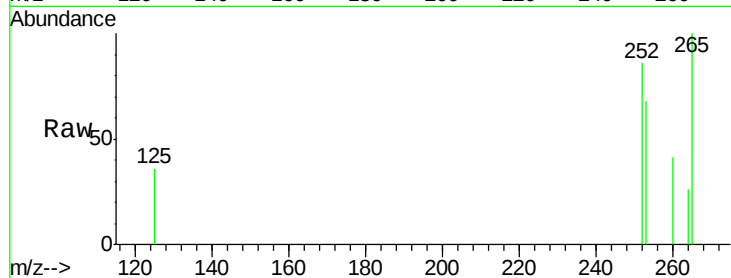
Tgt Ion:252 Resp: 835

Ion Ratio Lower Upper

252 100

253 79.4 24.5 36.7#

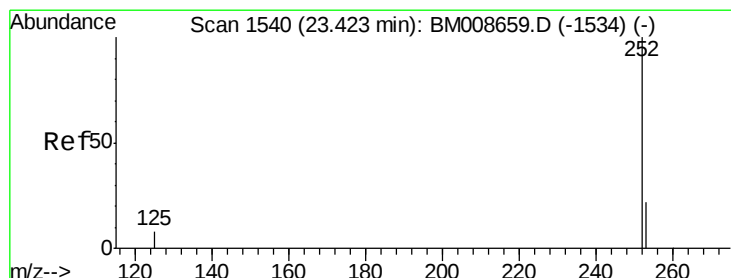
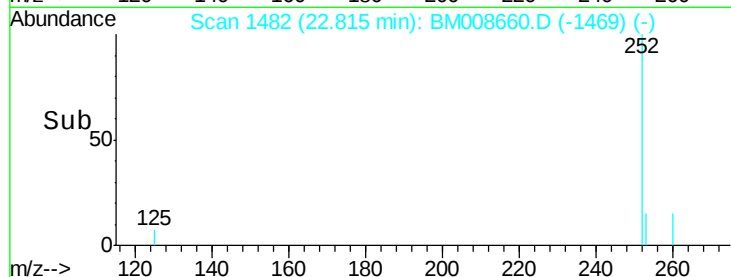
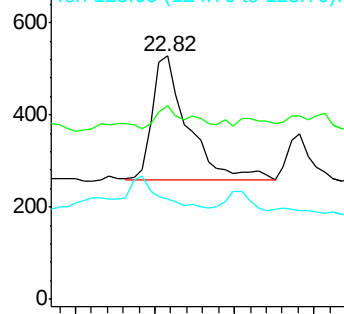
125 41.3 13.7 20.5#



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: 0.11 ng/ul

RT: 23.38 min Scan# 1536

Delta R.T. -0.04 min

Lab File: BM008660.D

Acq: 25 Dec 2016 08:24

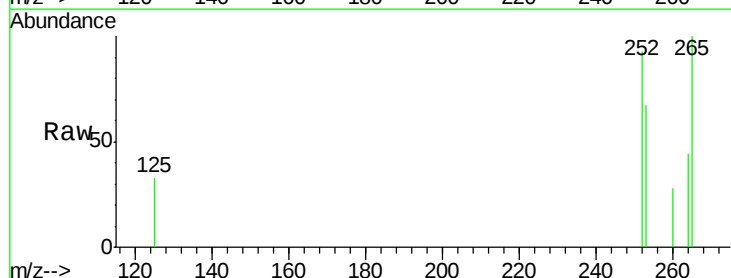
Tgt Ion:252 Resp: 659

Ion Ratio Lower Upper

252 100

253 72.0 28.5 42.7#

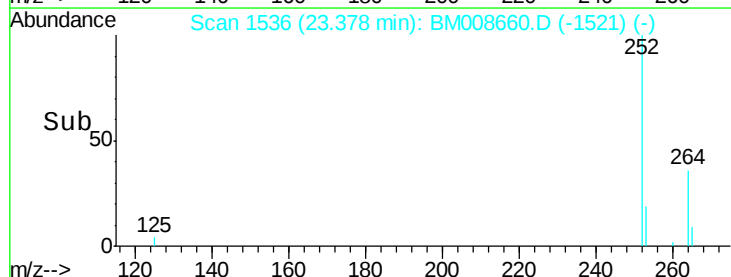
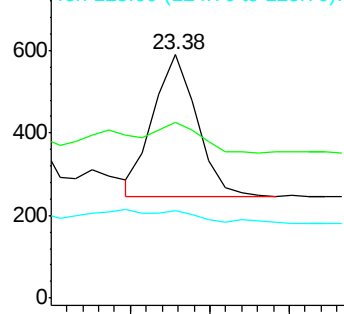
125 35.9 18.1 27.1#

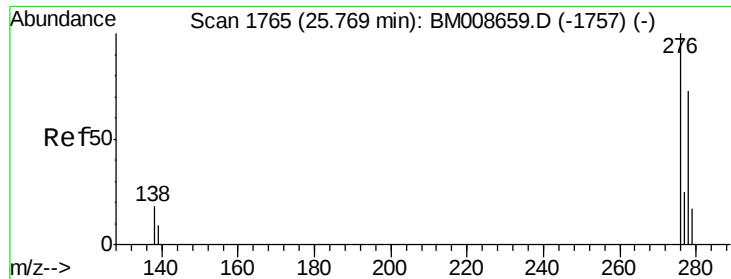


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#24

Indeno(1,2,3-cd)pyrene

Concen: 0.04 ng/ul

RT: 25.72 min Scan# 1761

Delta R.T. -0.04 min

Lab File: BM008660.D

Acq: 25 Dec 2016 08:24

Instrument :

BNA_M

ClientSampleId :

DA8T9DL

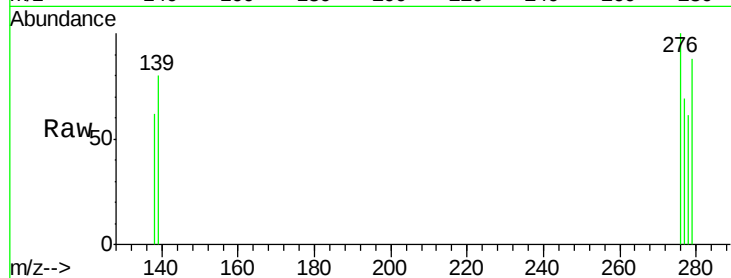
Tgt Ion:276 Resp: 303

Ion Ratio Lower Upper

276 100

138 34.3 19.1 28.7#

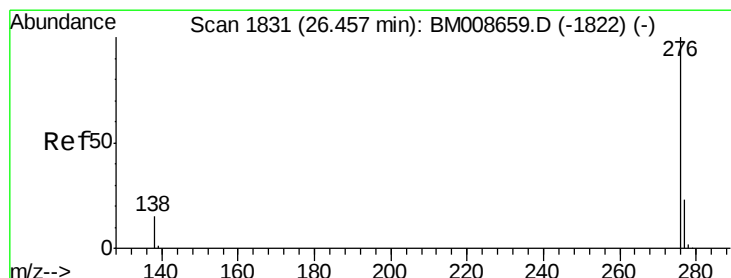
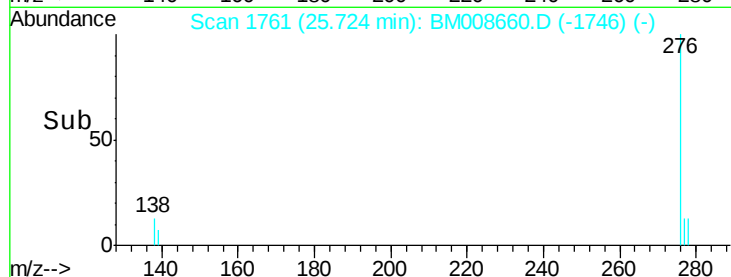
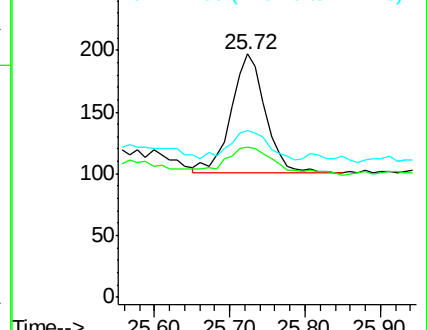
277 29.4 19.6 29.4



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



#26

Benzo(g,h,i)perylene

Concen: 0.06 ng/ul

RT: 26.41 min Scan# 1827

Delta R.T. -0.04 min

Lab File: BM008660.D

Acq: 25 Dec 2016 08:24

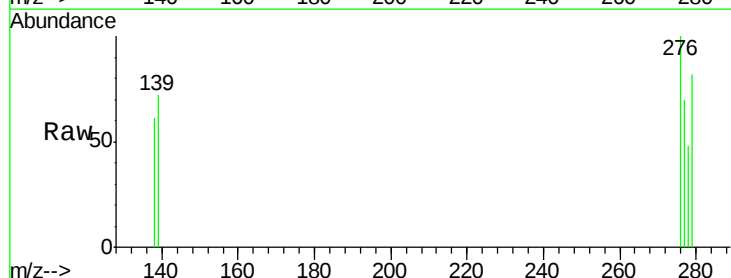
Tgt Ion:276 Resp: 359

Ion Ratio Lower Upper

276 100

277 69.7 21.8 32.8#

138 61.2 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

