

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM122416\
 Data File : BM008661.D
 Acq On : 25 Dec 2016 09:00
 Operator : UM/SJ
 Sample : H6040-05DL 5X
 Misc :
 ALS Vial : 75 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 DA8W0DL

Quant Time: Dec 26 03:28:04 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	7.85	152	13	0.40	ng/ul	0.08
2) Naphthalene-d8	10.58	136	436	0.40	ng/ul	0.07
6) Acenaphthene-d10	14.45	164	95	0.40	ng/ul	0.12
10) Phenanthrene-d10	17.14	188	13170	0.40	ng/ul	0.05
16) Chrysene-d12	21.35	240	229	0.40	ng/ul	0.07
20) Perylene-d12	23.47	264	1678	0.40	ng/ul	-0.03

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) 2-Methylnaphthalene-d10	12.24	152	100	0.15	ng/ul	0.11
14) Fluoranthene-d10	19.18	212	1045	0.03	ng/ul	0.07

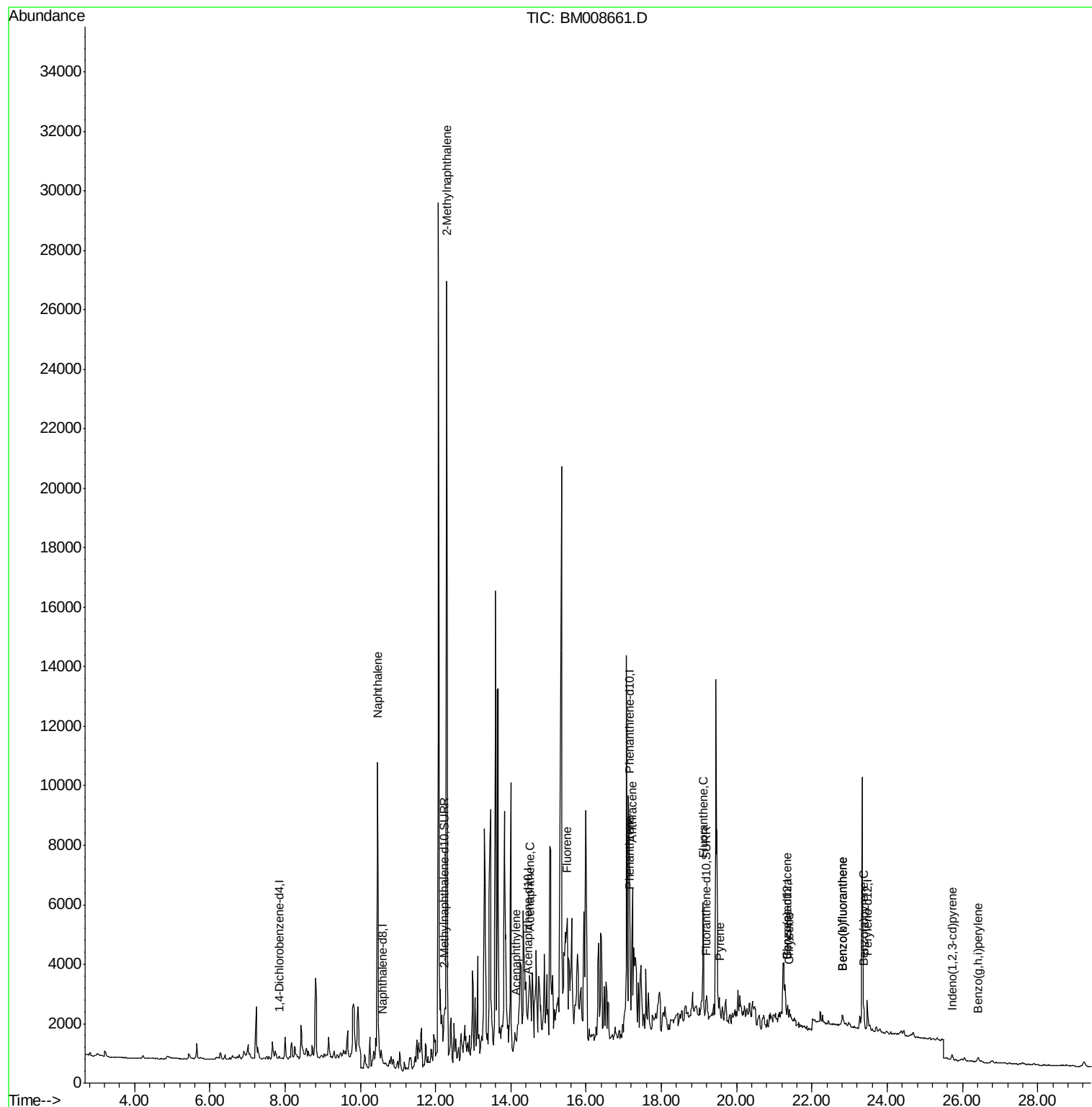
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Naphthalene	10.46	128	11172	9.11	ng/ul	95
5) 2-Methylnaphthalene	12.30	142	18384	22.27	ng/ul	98
7) Acenaphthylene	14.14	152	90	0.21	ng/ul#	1
8) Acenaphthene	14.50	153	1674	5.18	ng/ul#	64
9) Fluorene	15.50	166	810	2.20	ng/ul#	1
12) Phenanthrene	17.16	178	4718	0.12	ng/ul#	80
13) Anthracene	17.23	178	5142	0.13	ng/ul#	1
15) Fluoranthene	19.11	202	3246	0.07	ng/ul	85
17) Pyrene	19.54	202	394	0.45	ng/ul#	1
18) Benzo(a)anthracene	21.35	228	80	0.11	ng/ul#	1
19) Chrysene	21.40	228	209	0.25	ng/ul#	1
21) Benzo(b)fluoranthene	22.81	252	858	0.13	ng/ul#	24
22) Benzo(k)fluoranthene	22.81	252	858	0.13	ng/ul#	21
23) Benzo(a)pyrene	23.38	252	697	0.11	ng/ul#	50
24) Indeno(1,2,3-cd)pyrene	25.72	276	285	0.04	ng/ul#	91
26) Benzo(g,h,i)perylene	26.41	276	345	0.06	ng/ul#	24

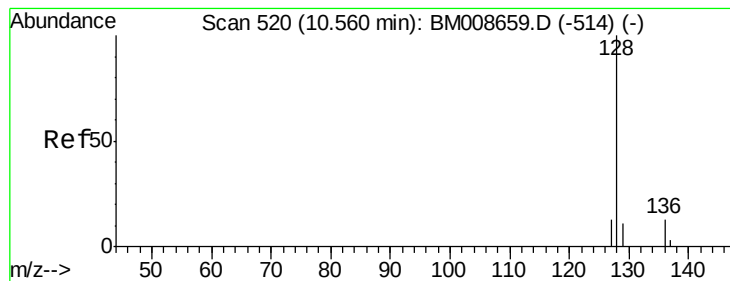
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Naphthalene

Concen: 9.11 ng/ul

RT: 10.46 min Scan# 512

Delta R.T. -0.10 min

Lab File: BM008661.D

Acq: 25 Dec 2016 09:00

Instrument :

BNA_M

ClientSampleId :

DA8W0DL

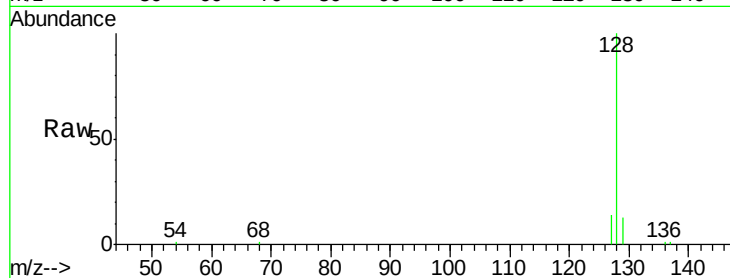
Tgt Ion:128 Resp: 11172

Ion Ratio Lower Upper

128 100

129 12.5 11.3 16.9

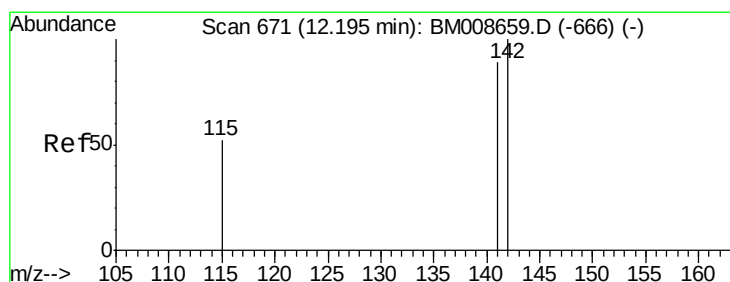
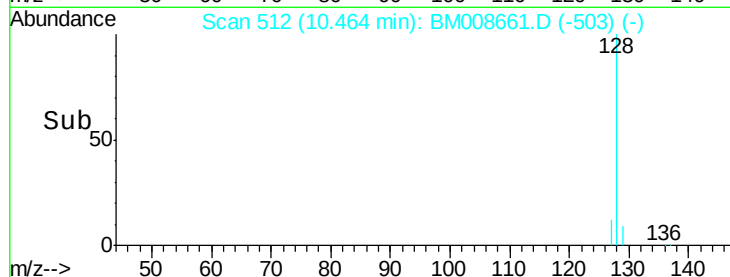
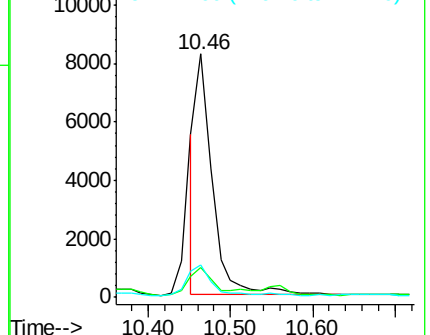
127 13.6 12.8 19.2



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: 22.27 ng/ul

RT: 12.30 min Scan# 681

Delta R.T. 0.10 min

Lab File: BM008661.D

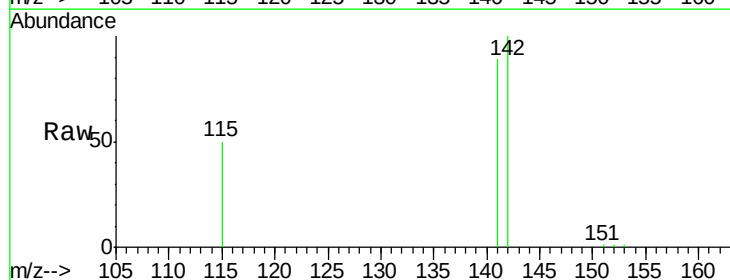
Acq: 25 Dec 2016 09:00

Tgt Ion:142 Resp: 18384

Ion Ratio Lower Upper

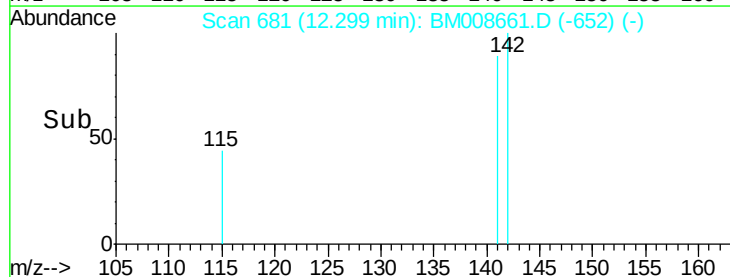
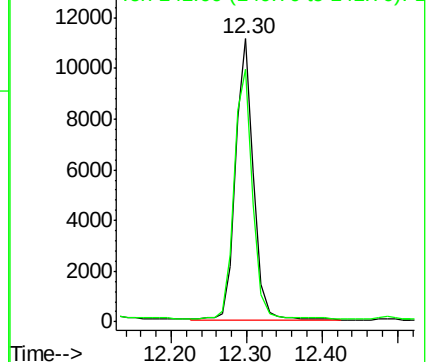
142 100

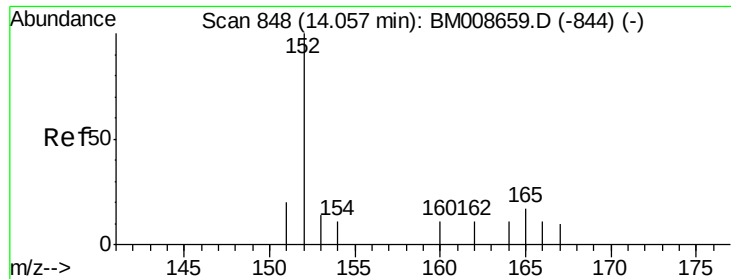
141 92.8 72.6 108.8



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#7

Acenaphthylene

Concen: 0.21 ng/ul

RT: 14.14 min Scan# 853

Delta R.T. 0.09 min

Lab File: BM008661.D

Acq: 25 Dec 2016 09:00

Instrument :

BNA_M

ClientSampleId :

DA8W0DL

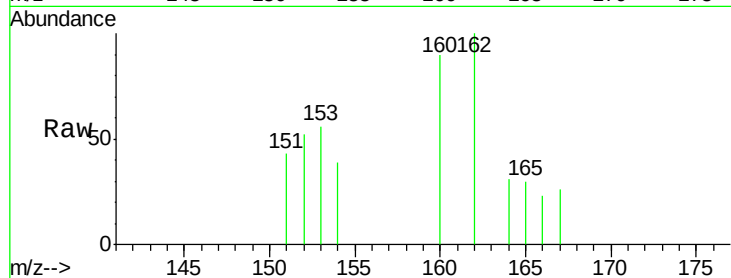
Tgt Ion:152 Resp: 90

Ion Ratio Lower Upper

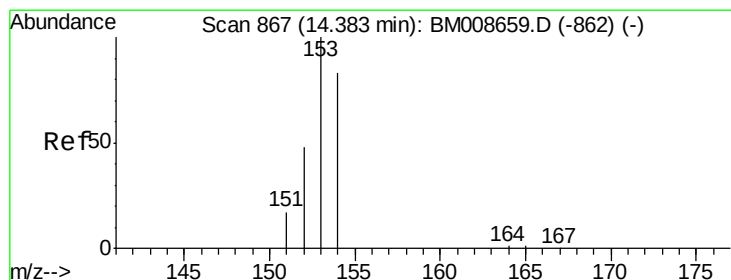
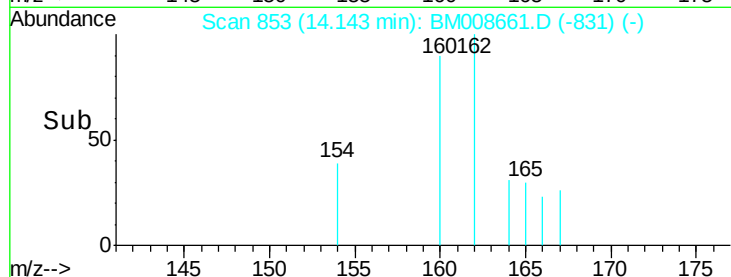
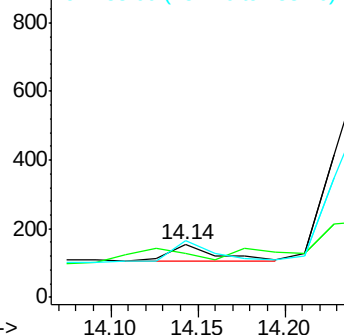
152 100

151 83.1 17.1 25.7#

153 108.4 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



#8

Acenaphthene

Concen: 5.18 ng/ul

RT: 14.50 min Scan# 874

Delta R.T. 0.12 min

Lab File: BM008661.D

Acq: 25 Dec 2016 09:00

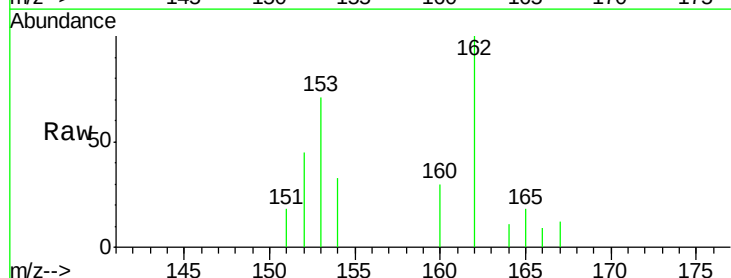
Tgt Ion:153 Resp: 1674

Ion Ratio Lower Upper

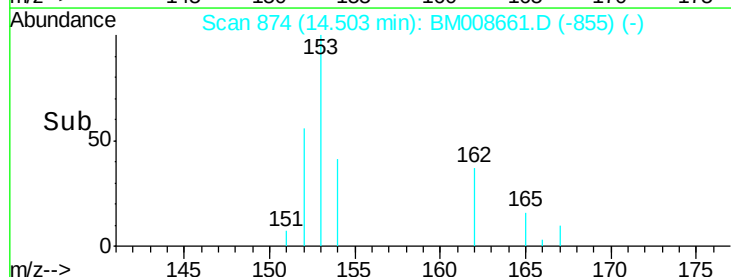
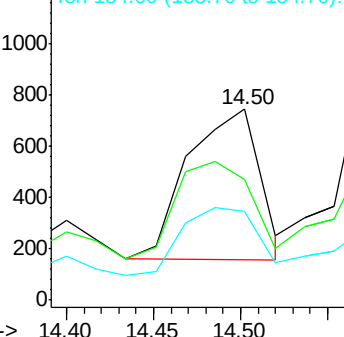
153 100

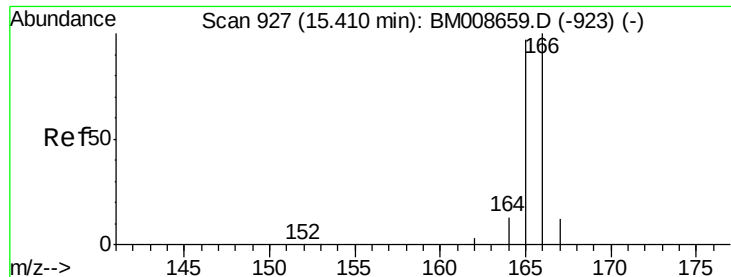
152 63.6 40.3 60.5#

154 46.2 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

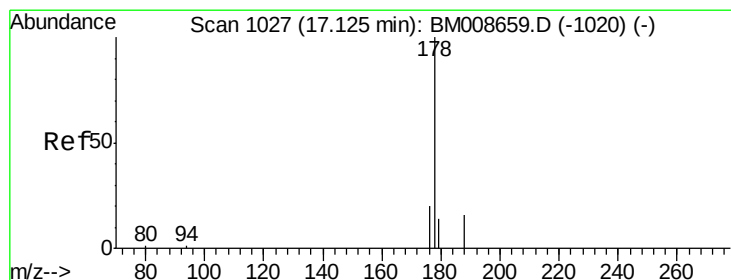
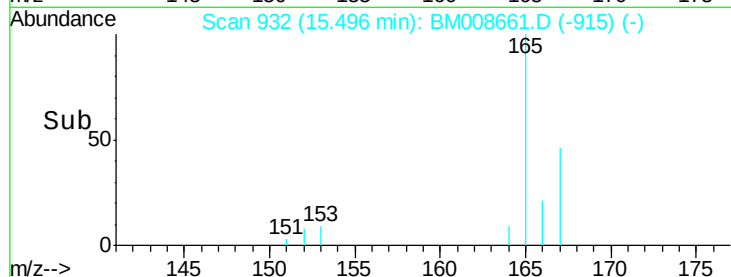
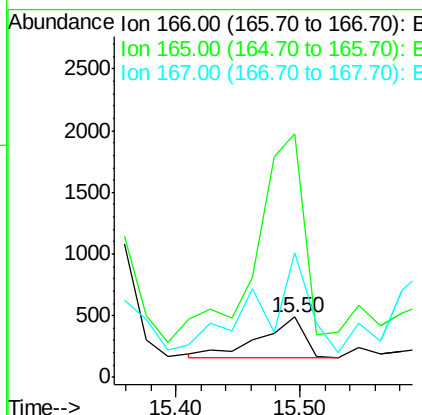
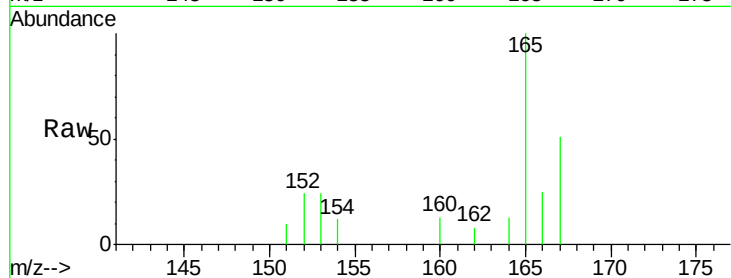




#9
Fluorene
 Concen: 2.20 ng/ul
 RT: 15.50 min Scan# 932
 Delta R.T. 0.09 min
 Lab File: BM008661.D
 Acq: 25 Dec 2016 09:00

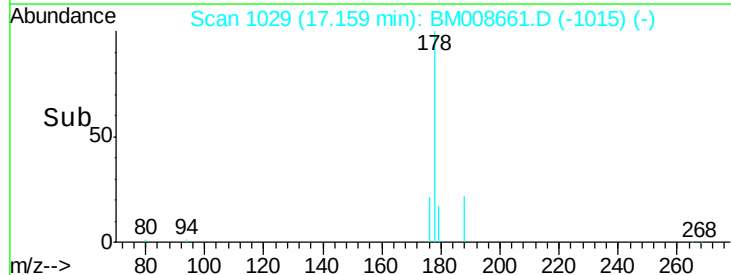
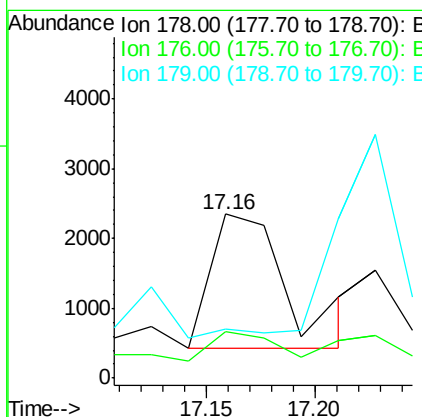
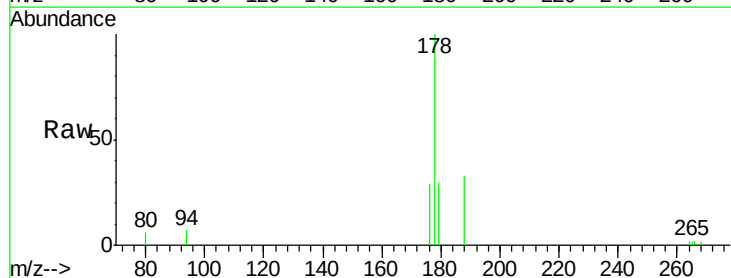
Instrument :
 BNA_M
 ClientSampleId :
 DA8W0DL

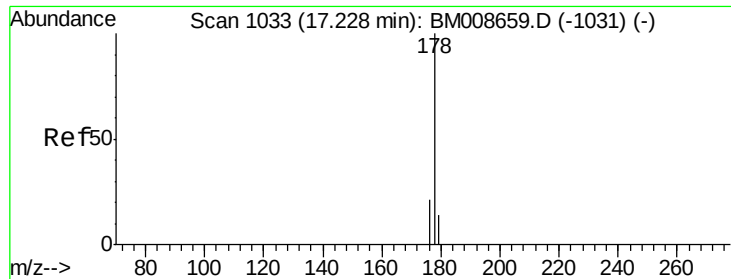
Tgt Ion:166 Resp: 810
 Ion Ratio Lower Upper
 166 100
 165 404.5 73.4 110.2#
 167 206.4 14.6 22.0#



#12
Phenanthrene
 Concen: 0.12 ng/ul
 RT: 17.16 min Scan# 1029
 Delta R.T. 0.03 min
 Lab File: BM008661.D
 Acq: 25 Dec 2016 09:00

Tgt Ion:178 Resp: 4718
 Ion Ratio Lower Upper
 178 100
 176 28.8 18.4 27.6#
 179 30.0 13.6 20.4#





#13

Anthracene

Concen: 0.13 ng/ul

RT: 17.23 min Scan# 1033

Delta R.T. 0.00 min

Lab File: BM008661.D

Acq: 25 Dec 2016 09:00

Instrument :

BNA_M

ClientSampleId :

DA8W0DL

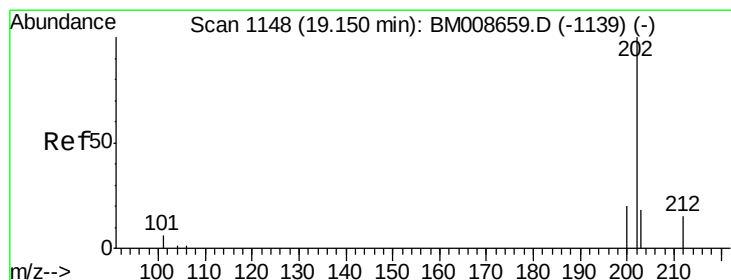
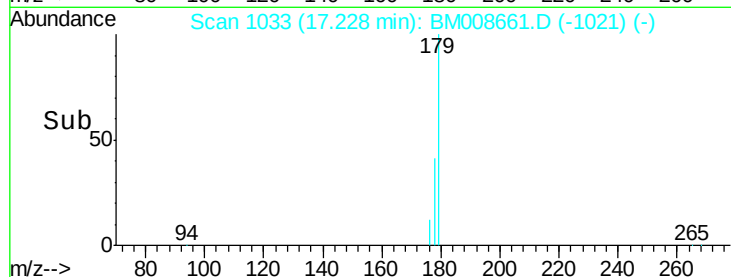
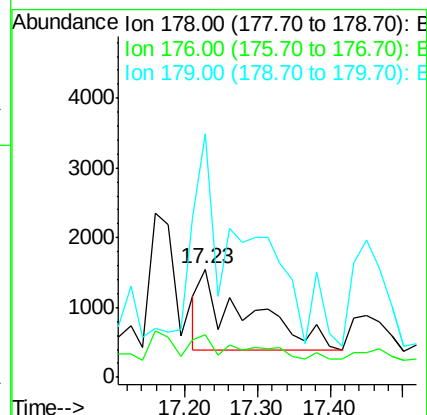
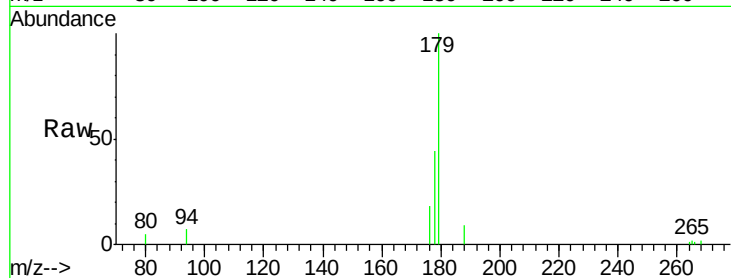
Tgt Ion:178 Resp: 5142

Ion Ratio Lower Upper

178 100

176 39.5 18.1 27.1#

179 225.1 14.7 22.1#



#15

Fluoranthene

Concen: 0.07 ng/ul

RT: 19.11 min Scan# 1145

Delta R.T. -0.04 min

Lab File: BM008661.D

Acq: 25 Dec 2016 09:00

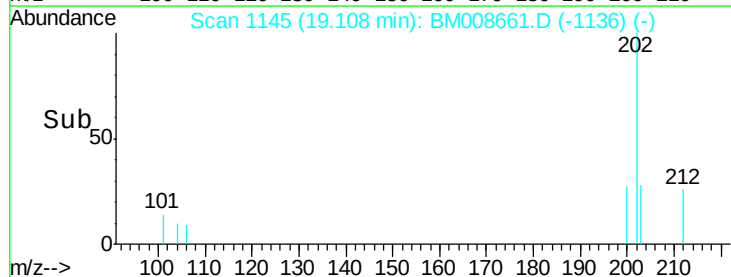
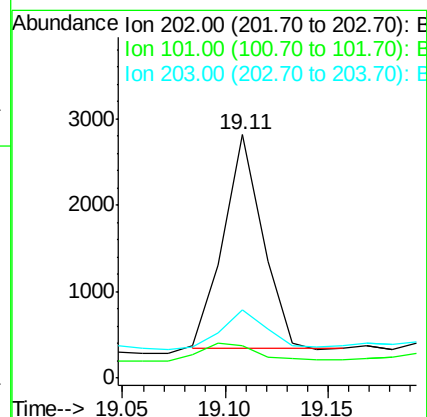
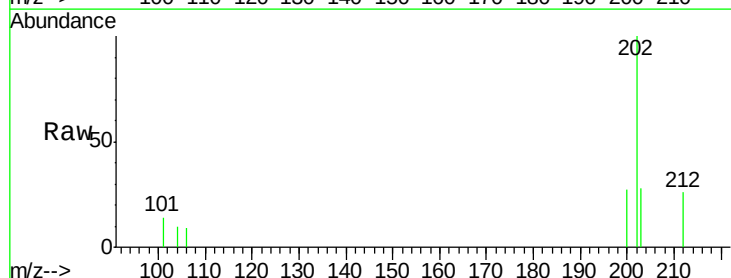
Tgt Ion:202 Resp: 3246

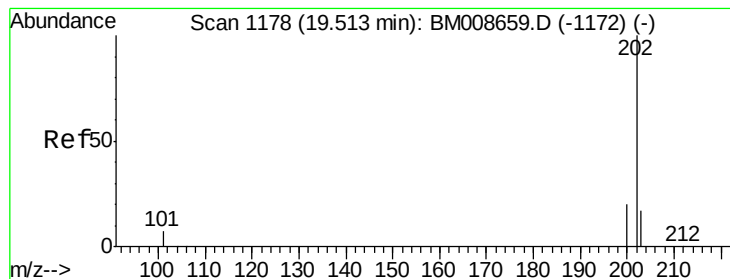
Ion Ratio Lower Upper

202 100

101 13.5 0.0 30.3

203 28.2 0.0 39.5





#17

Pyrene

Concen: 0.45 ng/ul

RT: 19.54 min Scan# 1181

Delta R.T. 0.03 min

Lab File: BM008661.D

Acq: 25 Dec 2016 09:00

Instrument :

BNA_M

ClientSampleId :

DA8W0DL

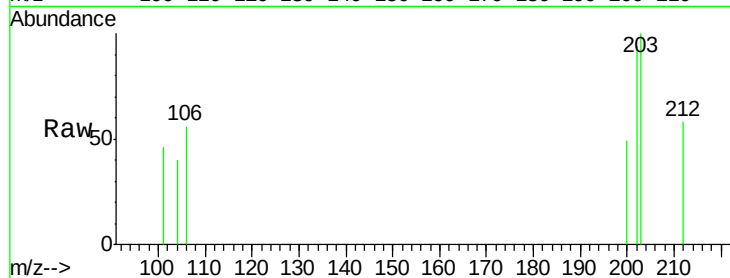
Tgt Ion:202 Resp: 394

Ion Ratio Lower Upper

202 100

200 52.3 18.2 27.4#

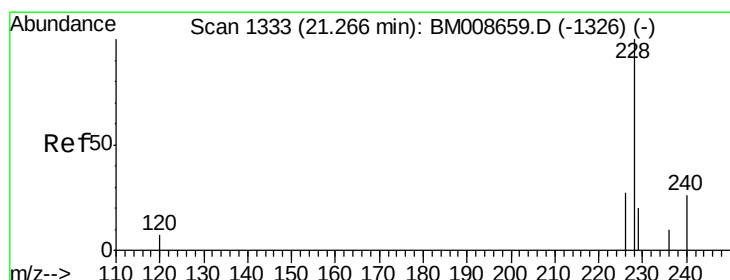
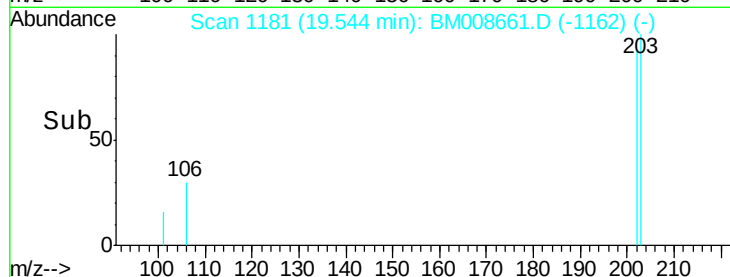
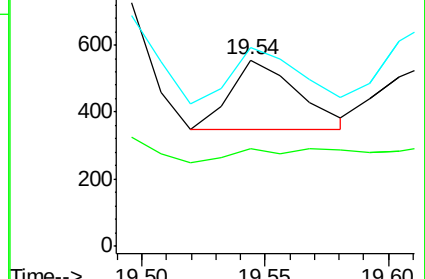
203 106.3 15.6 23.4#



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: 0.11 ng/ul

RT: 21.35 min Scan# 1341

Delta R.T. 0.08 min

Lab File: BM008661.D

Acq: 25 Dec 2016 09:00

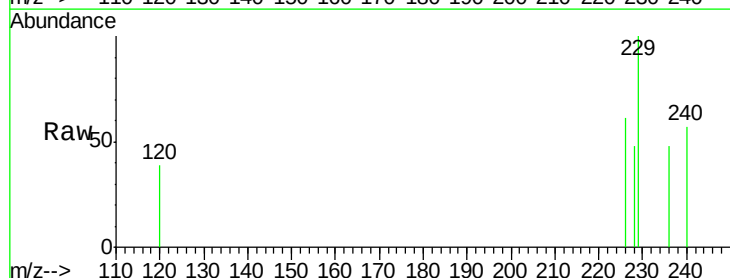
Tgt Ion:228 Resp: 80

Ion Ratio Lower Upper

228 100

226 125.1 22.8 34.2#

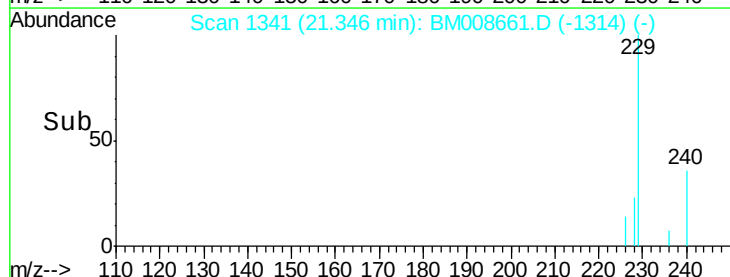
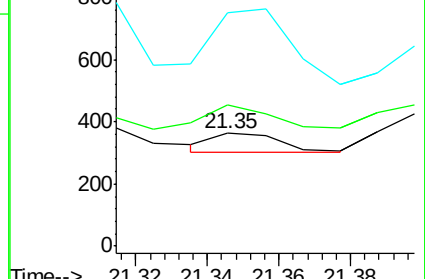
229 206.3 17.0 25.6#

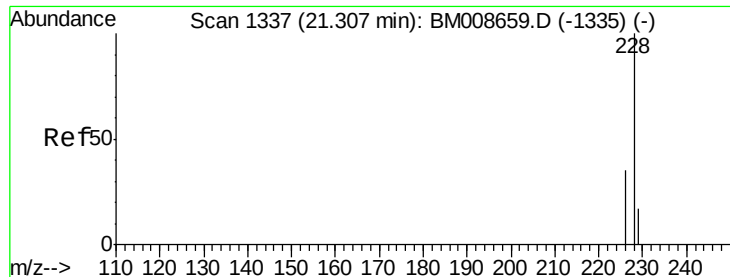


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#19

Chrysene

Concen: 0.25 ng/ul

RT: 21.40 min Scan# 1346

Delta R.T. 0.09 min

Lab File: BM008661.D

Acq: 25 Dec 2016 09:00

Instrument :

BNA_M

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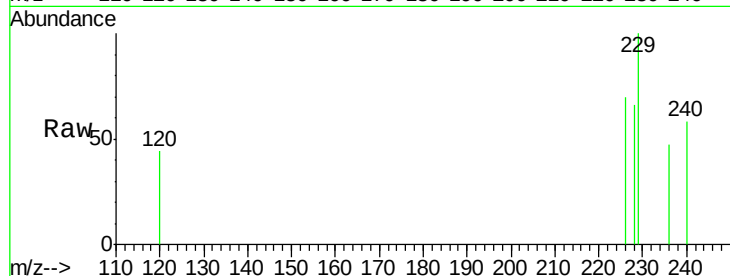
Tgt Ion:228 Resp: 209

Ion Ratio Lower Upper

228 100

226 107.1 23.4 35.0#

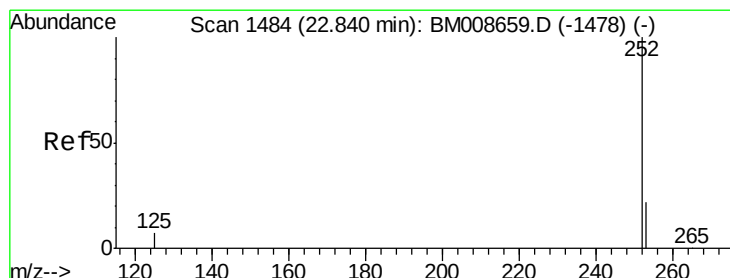
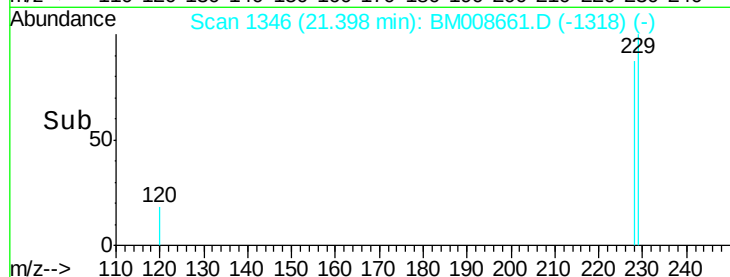
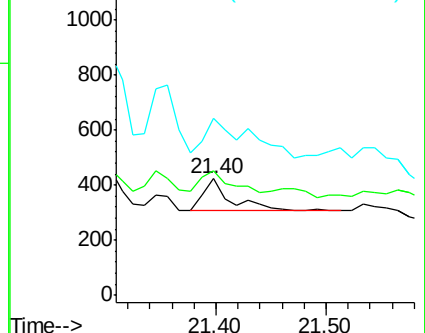
229 152.1 17.7 26.5#



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: 22.81 min Scan# 1481

Delta R.T. -0.03 min

Lab File: BM008661.D

Acq: 25 Dec 2016 09:00

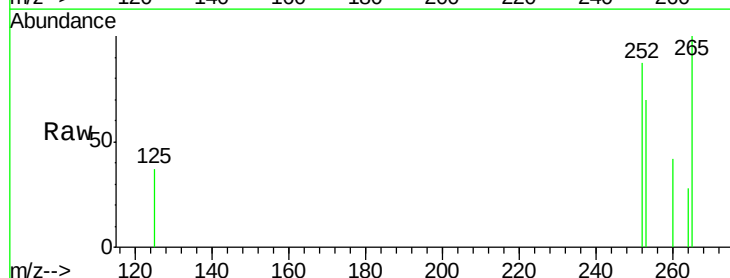
Tgt Ion:252 Resp: 858

Ion Ratio Lower Upper

252 100

253 80.6 0.0 64.2#

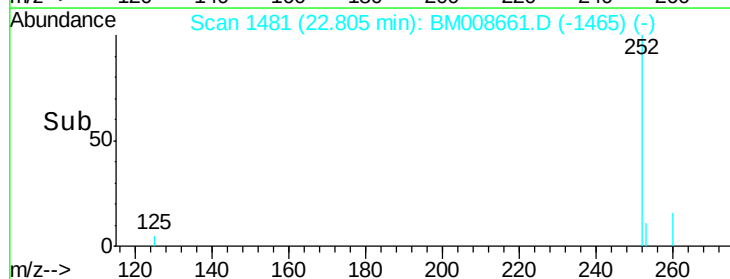
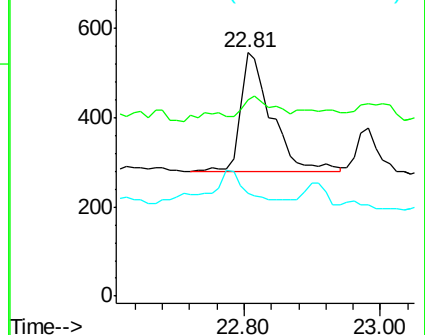
125 42.4 0.0 35.0#

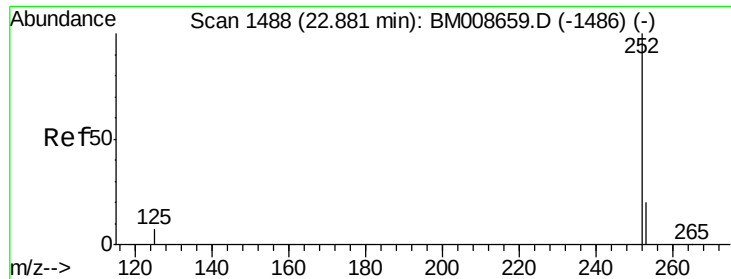


Abundance Ion 252.00 (251.70 to 252.70): E

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: 22.81 min Scan# 1481

Delta R.T. -0.08 min

Lab File: BM008661.D

Acq: 25 Dec 2016 09:00

Instrument :

BNA_M

ClientSampleId :

DA8W0DL

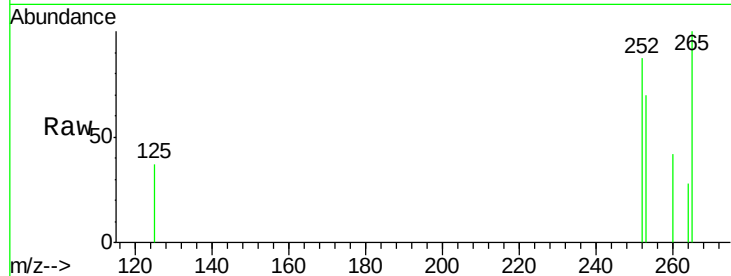
Tgt Ion:252 Resp: 858

Ion Ratio Lower Upper

252 100

253 80.6 24.5 36.7#

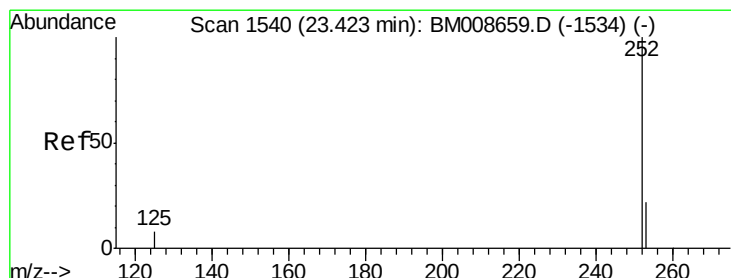
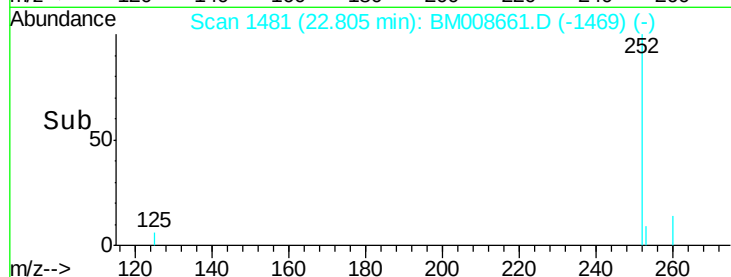
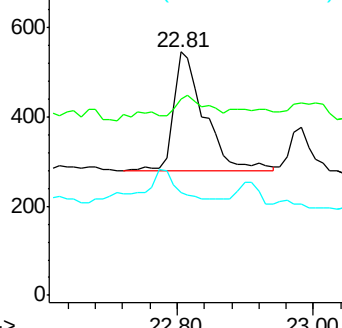
125 42.4 13.7 20.5#



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: BM008661.D

Acq: 25 Dec 2016 09:00

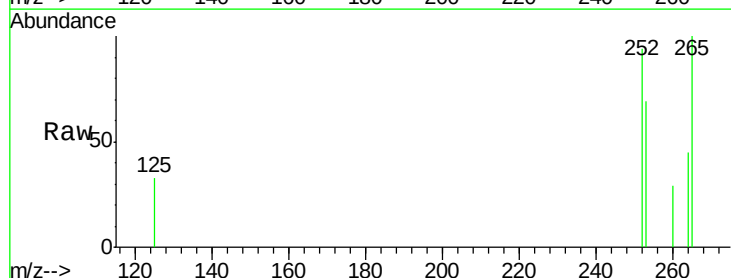
Tgt Ion:252 Resp: 697

Ion Ratio Lower Upper

252 100

253 73.1 28.5 42.7#

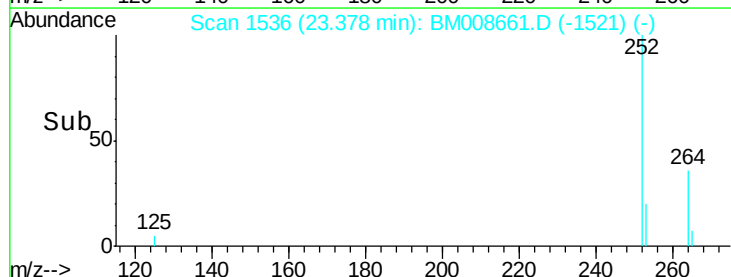
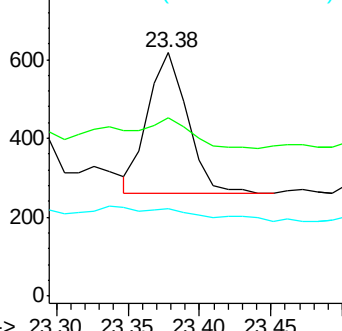
125 35.6 18.1 27.1#

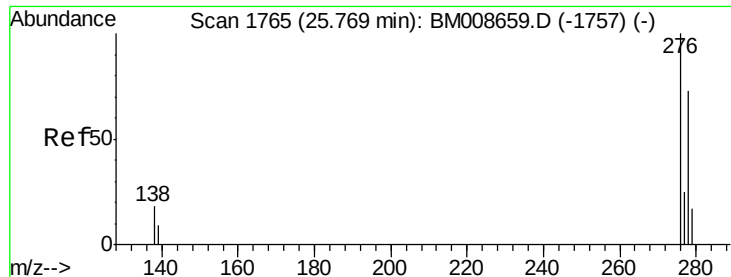


Abundance Ion 252.00 (251.70 to 252.70): E

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. -0.05 min

Lab File: BM008661.D

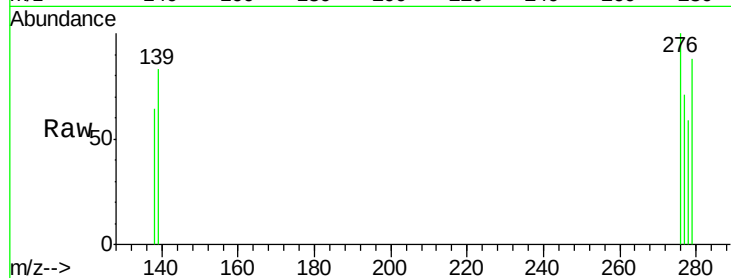
Acq: 25 Dec 2016 09:00

Instrument :

BNA_M

ClientSampleId :

DA8W0DL



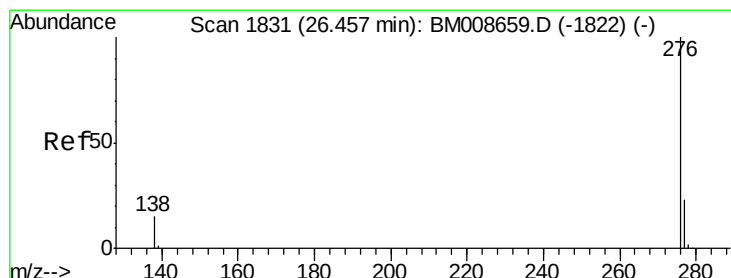
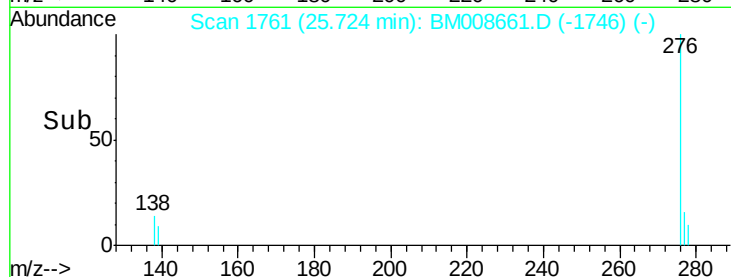
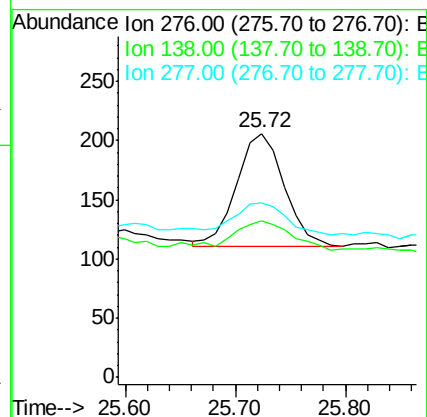
Tgt Ion: 276 Resp: 285

Ion Ratio Lower Upper

276 100

138 27.4 19.1 28.7

277 29.8 19.6 29.4#



#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: BM008661.D

Acq: 25 Dec 2016 09:00

Tgt Ion: 276 Resp: 345

Ion Ratio Lower Upper

276 100

277 69.3 21.8 32.8#

138 61.3 20.5 30.7#

