

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM121216\
 Data File : BM008265.D
 Acq On : 12 Dec 2016 16:08
 Operator : UM/SJ
 Sample : H5905-09DL 5X
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 DA809DL

Quant Time: Dec 13 02:31:13 2016
 Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-SIM-BM112116.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Dec 13 02:27:35 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.70	152	630	0.40	ng/ul	0.00
2) Naphthalene-d8	10.46	136	2102	0.40	ng/ul	-0.01
6) Acenaphthene-d10	14.33	164	1196	0.40	ng/ul	0.00
10) Phenanthrene-d10	17.07	188	2081	0.40	ng/ul	-0.02
16) Chrysene-d12	21.27	240	2052	0.40	ng/ul	-0.01
20) Perylene-d12	23.51	264	1945	0.40	ng/ul	0.00

System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	12.07	152	131	0.04	ng/ul	0.00
14) Fluoranthene-d10	19.11	212	432	0.07	ng/ul	-0.01

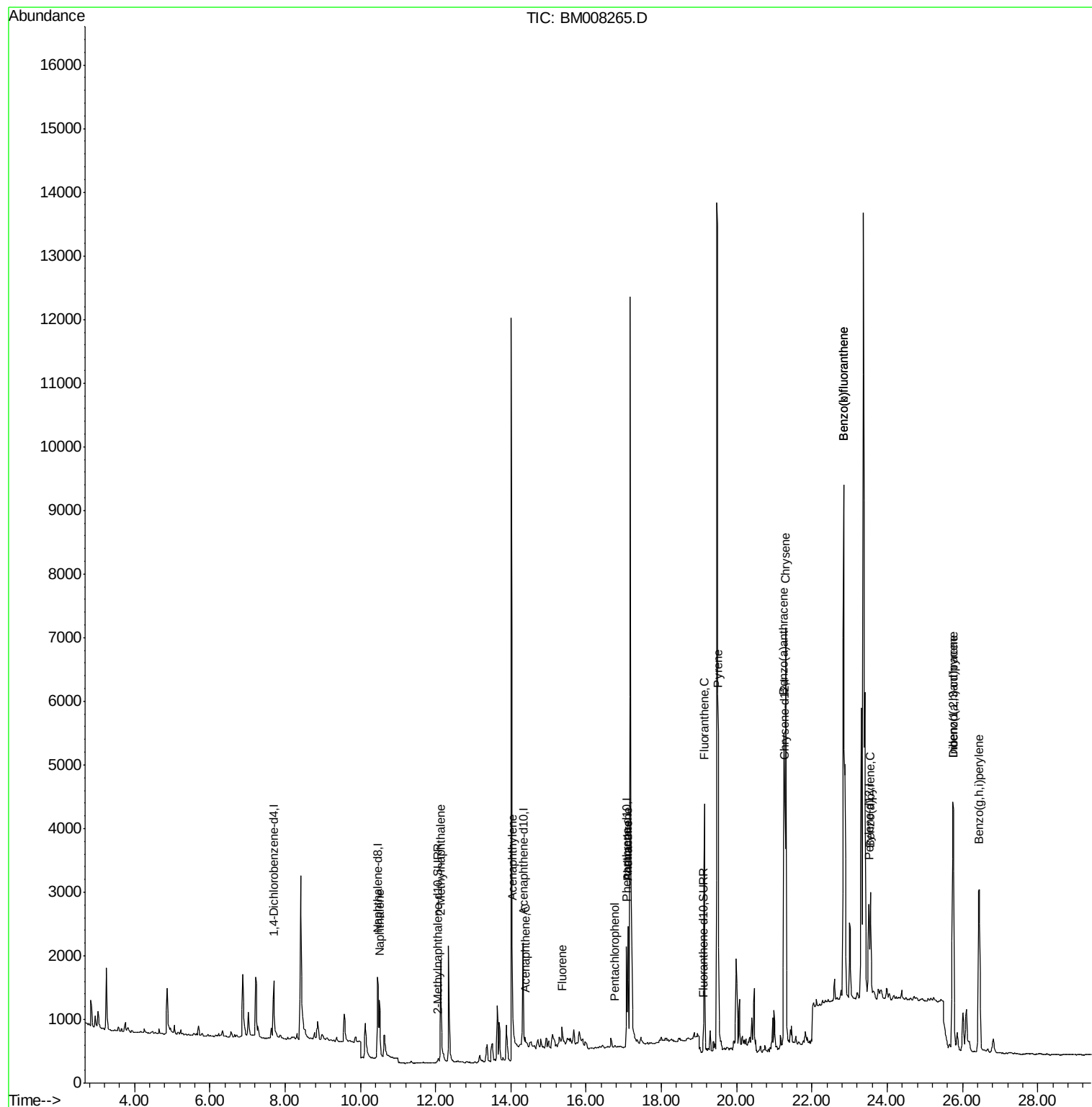
Target Compounds				Qvalue		
3) Naphthalene	10.51	128	1441	0.25	ng/ul#	92
5) 2-Methylnaphthalene	12.14	142	1589	0.42	ng/ul	94
7) Acenaphthylene	14.04	152	1209	0.22	ng/ul#	89
8) Acenaphthene	14.38	153	114	0.03	ng/ul#	83
9) Fluorene	15.38	166	104	0.02	ng/ul#	47
11) Pentachlorophenol	16.76	266	23	0.03	ng/ul#	68
12) Phenanthrene	17.11	178	2510	0.39	ng/ul	97
13) Anthracene	17.11	178	2488	0.41	ng/ul	98
15) Fluoranthene	19.14	202	4419	0.53	ng/ul	95
17) Pyrene	19.51	202	5028	0.71	ng/ul	97
18) Benzo(a)anthracene	21.25	228	4906	0.78	ng/ul	95
19) Chrysene	21.30	228	7567	0.97	ng/ul	93
21) Benzo(b)fluoranthene	22.84	252	17374	2.24	ng/ul	85
22) Benzo(k)fluoranthene	22.84	252	17374	2.17	ng/ul#	87
23) Benzo(a)pyrene	23.56	252	2122	0.29	ng/ul	94
24) Indeno(1,2,3-cd)pyrene	25.74	276	6823	0.76	ng/ul#	91
25) Dibenzo(a,h)anthracene	25.74	278	1822	0.25	ng/ul#	87
26) Benzo(g,h,i)perylene	26.44	276	5913	0.74	ng/ul#	91

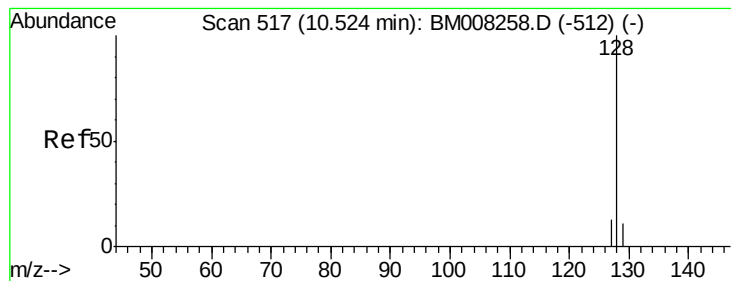
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM121216\
Data File : BM008265.D
Acq On : 12 Dec 2016 16:08
Operator : UM/SJ
Sample : H5905-09DL 5X
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
DA809DL

Quant Time: Dec 13 02:31:13 2016
Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-SIM-BM112116.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Dec 13 02:27:35 2016
Response via : Initial Calibration





#3

Naphthalene

Concen: 0.25 ng/ul

RT: 10.51 min Scan# 516

Delta R.T. -0.01 min

Lab File: BM008265.D

Acq: 12 Dec 2016 16:08

Instrument :

BNA_M

ClientSampleId :

DA809DL

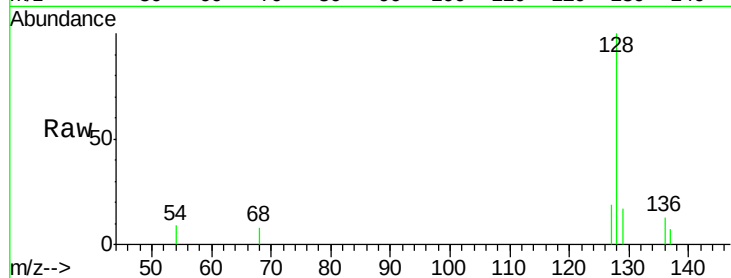
Tgt Ion:128 Resp: 1441

Ion Ratio Lower Upper

128 100

129 17.2 11.3 16.9#

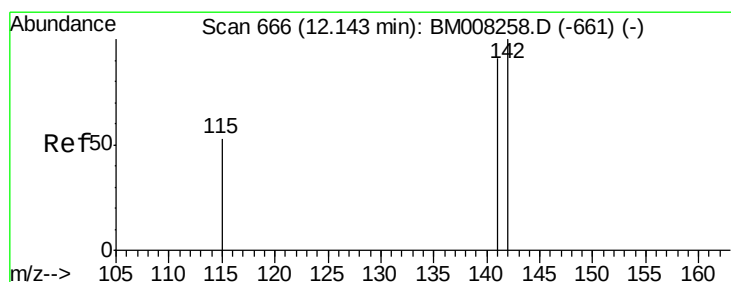
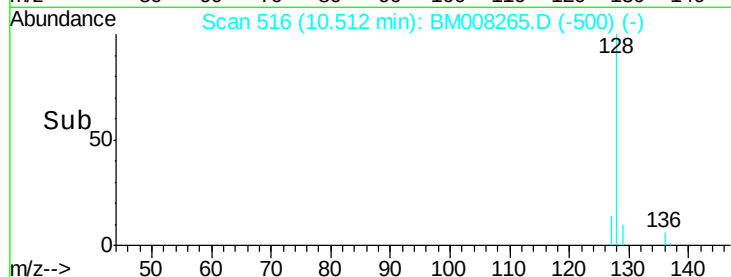
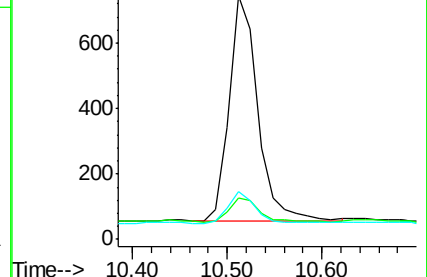
127 19.5 12.8 19.2#



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: 0.42 ng/ul

RT: 12.14 min Scan# 666

Delta R.T. 0.00 min

Lab File: BM008265.D

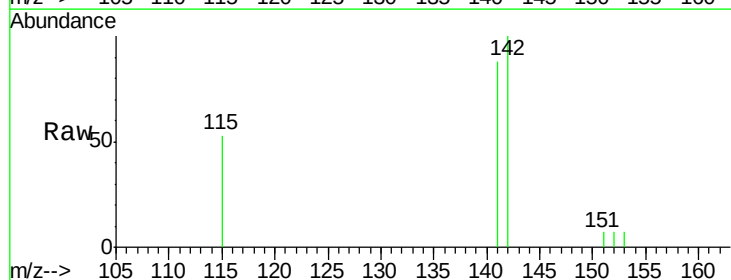
Acq: 12 Dec 2016 16:08

Tgt Ion:142 Resp: 1589

Ion Ratio Lower Upper

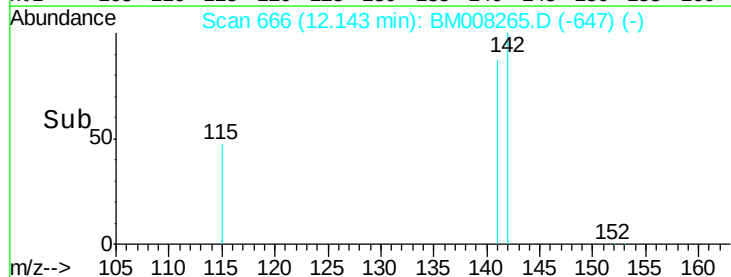
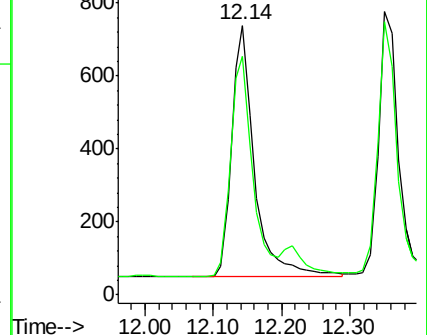
142 100

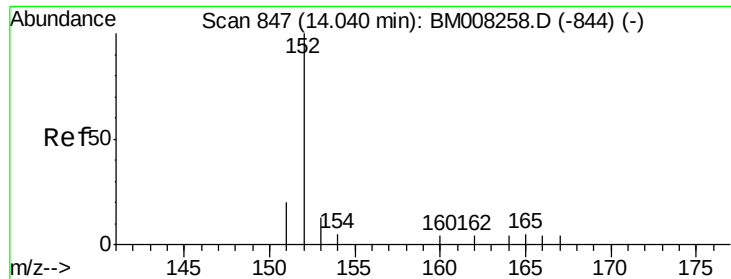
141 84.6 72.6 108.8



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#7

Acenaphthylene

Concen: 0.22 ng/ul

RT: 14.04 min Scan# 847

Delta R.T. 0.00 min

Lab File: BM008265.D

Acq: 12 Dec 2016 16:08

Instrument :

BNA_M

ClientSampleId :

DA809DL

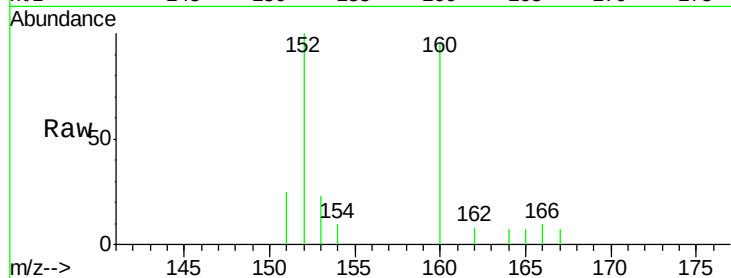
Tgt Ion:152 Resp: 1209

Ion Ratio Lower Upper

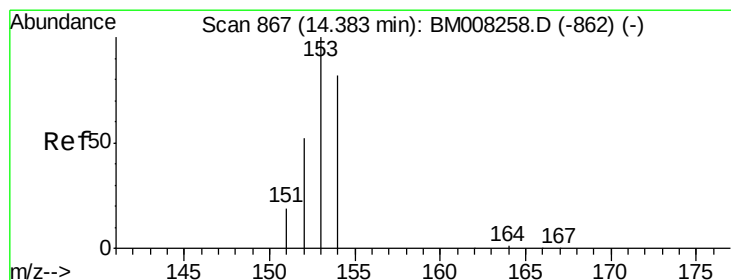
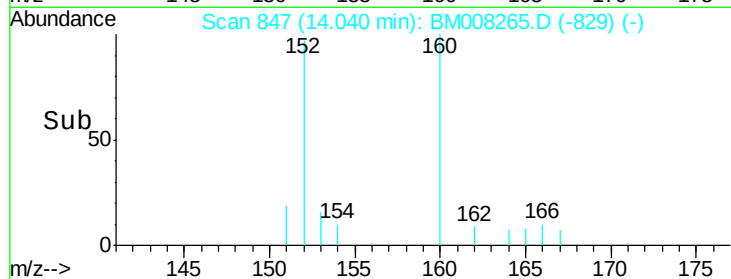
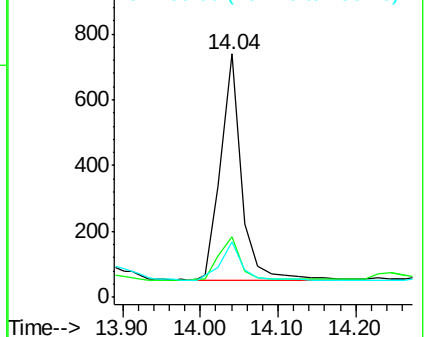
152 100

151 25.0 17.1 25.7

153 22.6 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: 0.03 ng/ul

RT: 14.38 min Scan# 867

Delta R.T. 0.00 min

Lab File: BM008265.D

Acq: 12 Dec 2016 16:08

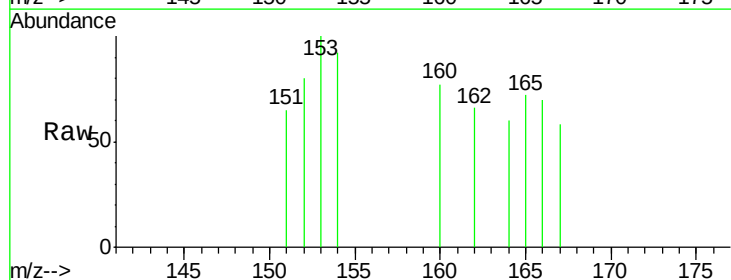
Tgt Ion:153 Resp: 114

Ion Ratio Lower Upper

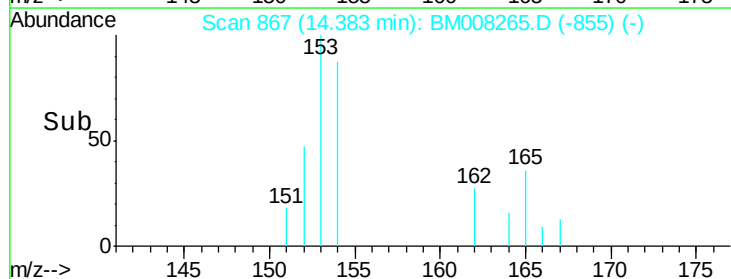
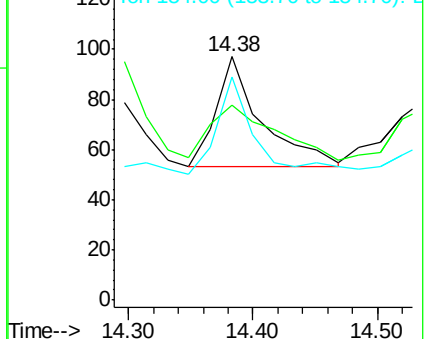
153 100

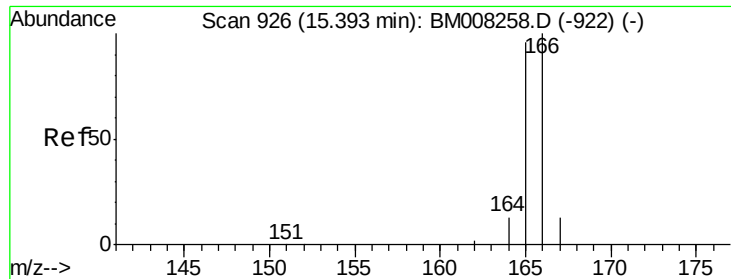
152 80.4 40.3 60.5#

154 91.8 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: 0.02 ng/ul

RT: 15.38 min Scan# 925

Delta R.T. -0.02 min

Lab File: BM008265.D

Acq: 12 Dec 2016 16:08

Instrument :

BNA_M

ClientSampleId :

DA809DL

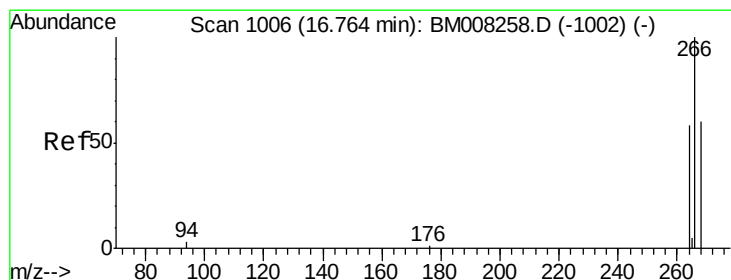
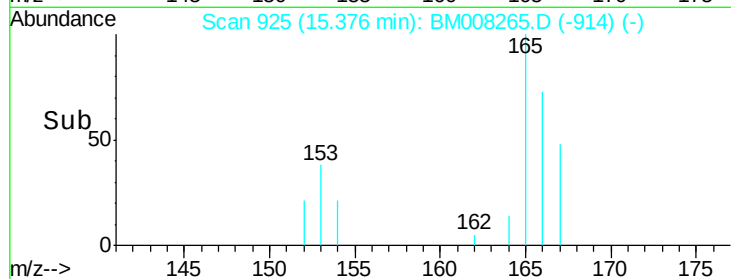
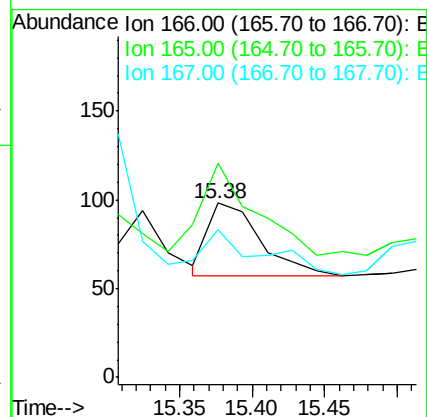
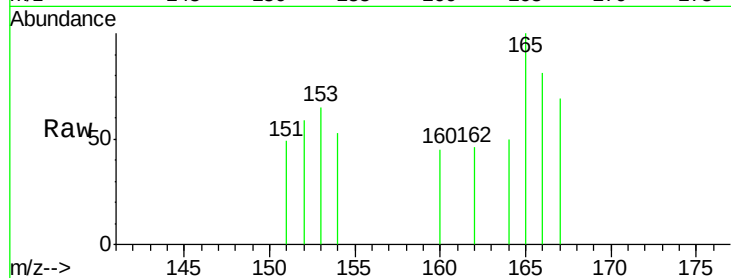
Tgt Ion:166 Resp: 104

Ion Ratio Lower Upper

166 100

165 123.5 73.4 110.2#

167 84.7 14.6 22.0#



#11

Pentachlorophenol

Concen: 0.03 ng/ul

RT: 16.76 min Scan# 1006

Delta R.T. 0.00 min

Lab File: BM008265.D

Acq: 12 Dec 2016 16:08

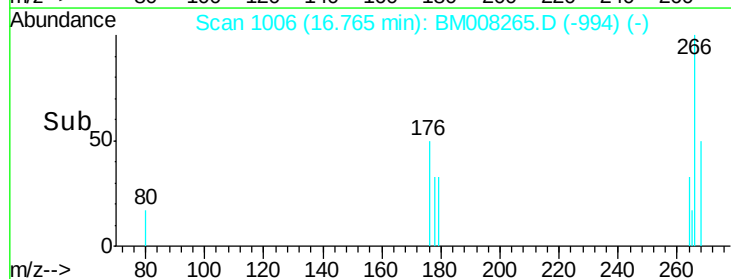
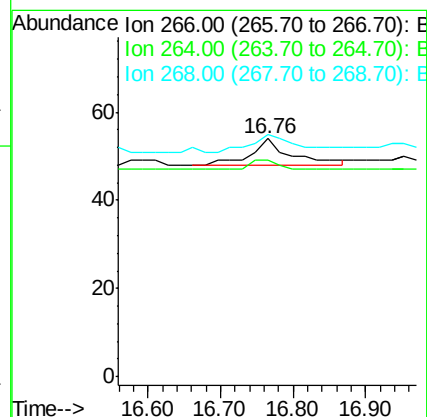
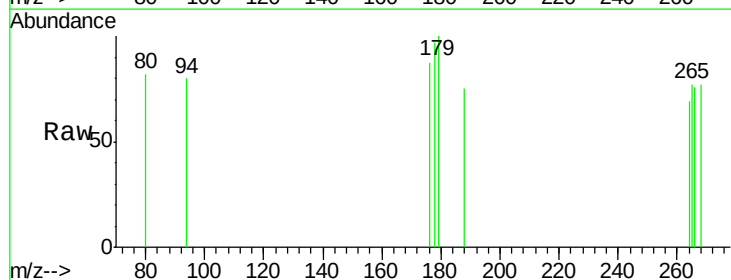
Tgt Ion:266 Resp: 23

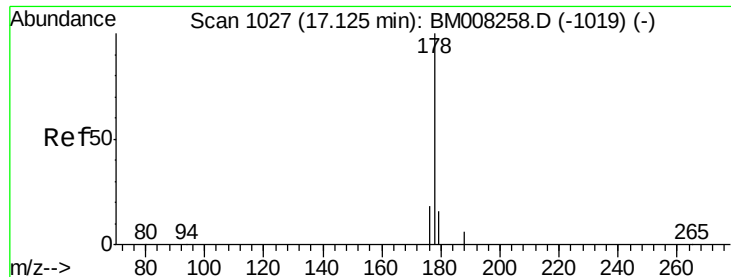
Ion Ratio Lower Upper

266 100

264 21.7 47.9 71.9#

268 73.9 49.8 74.8





#12

Phenanthrene

Concen: 0.39 ng/ul

RT: 17.11 min Scan# 1026

Delta R.T. -0.02 min

Lab File: BM008265.D

Acq: 12 Dec 2016 16:08

Instrument :

BNA_M

ClientSampleId :

DA809DL

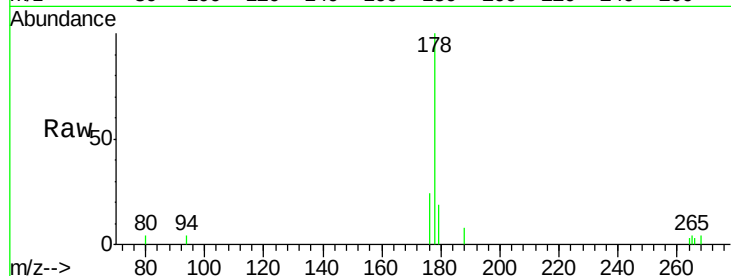
Tgt Ion:178 Resp: 2510

Ion Ratio Lower Upper

178 100

176 24.3 18.4 27.6

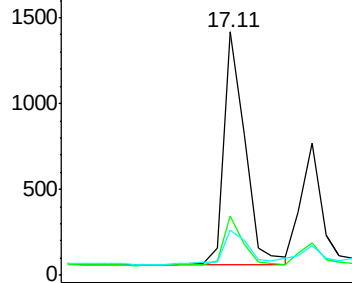
179 18.5 13.6 20.4



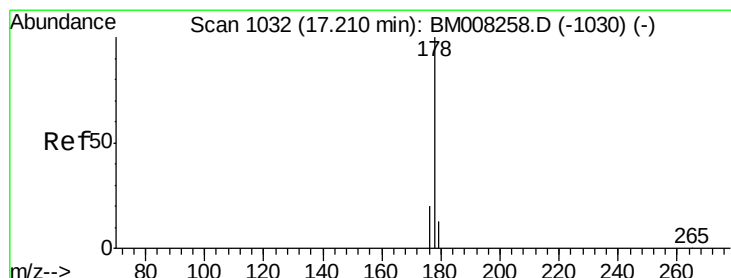
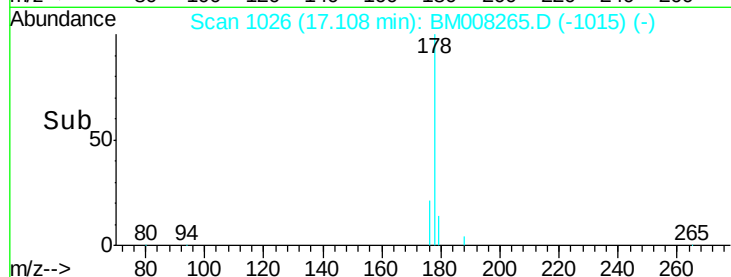
Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



Time--> 16.90 17.00 17.10 17.20



#13

Anthracene

Concen: 0.41 ng/ul

RT: 17.11 min Scan# 1026

Delta R.T. -0.10 min

Lab File: BM008265.D

Acq: 12 Dec 2016 16:08

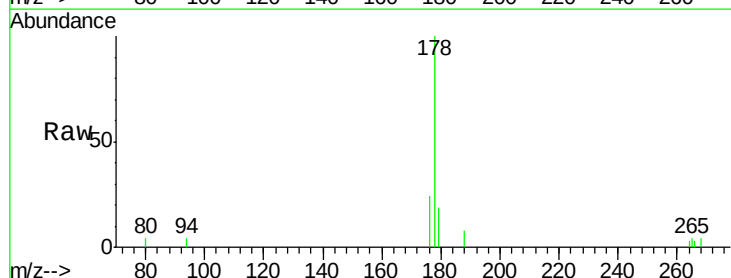
Tgt Ion:178 Resp: 2488

Ion Ratio Lower Upper

178 100

176 24.3 18.1 27.1

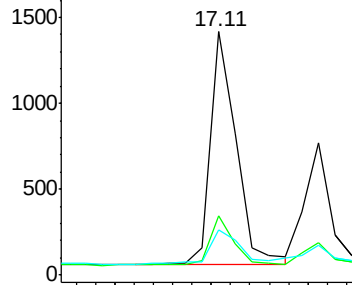
179 18.5 14.7 22.1



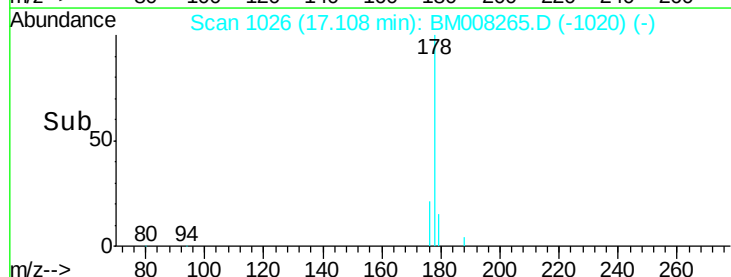
Abundance Ion 178.00 (177.70 to 178.70): E

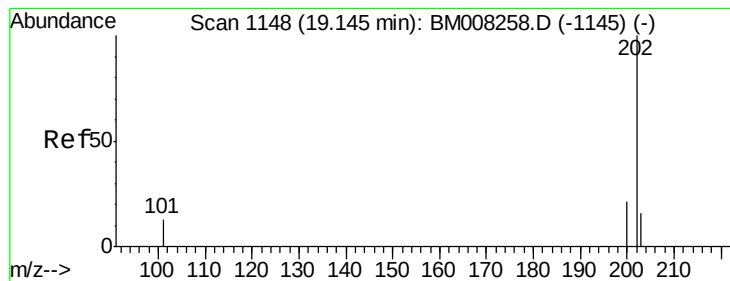
Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



Time--> 17.00 17.10 17.20





#15

Fluoranthene

Concen: 0.53 ng/ul

RT: 19.14 min Scan# 1148

Delta R.T. 0.00 min

Lab File: BM008265.D

Acq: 12 Dec 2016 16:08

Instrument :

BNA_M

ClientSampleId :

DA809DL

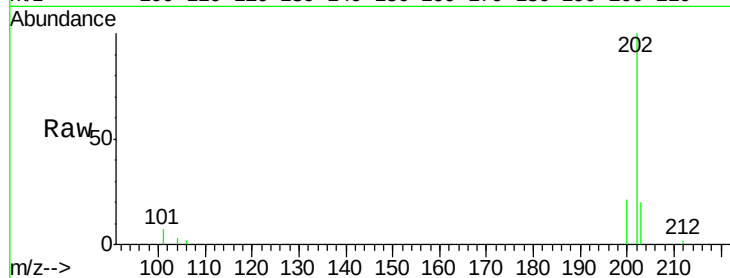
Tgt Ion:202 Resp: 4419

Ion Ratio Lower Upper

202 100

101 6.9 0.0 30.3

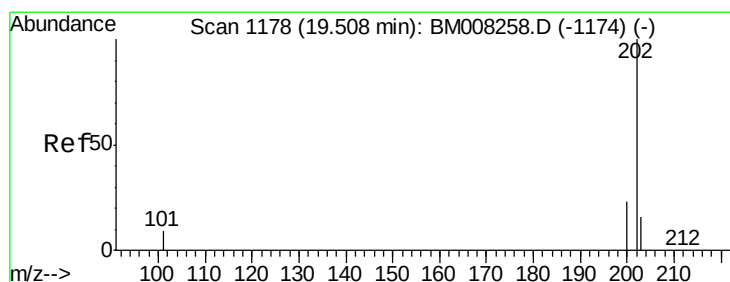
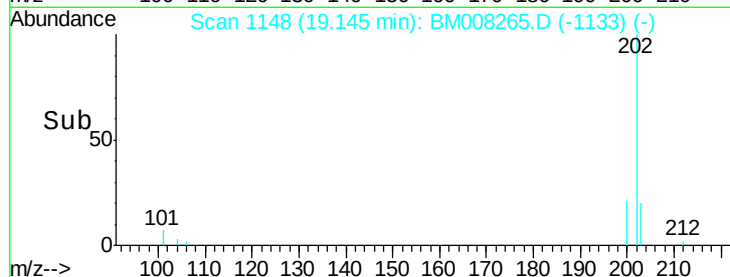
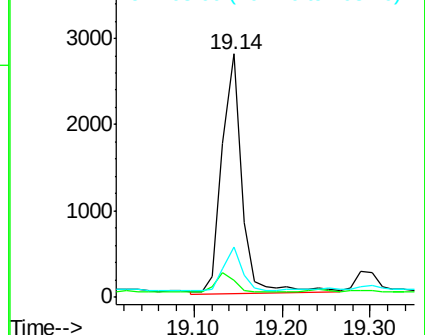
203 20.5 0.0 39.5



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: 0.71 ng/ul

RT: 19.51 min Scan# 1178

Delta R.T. 0.00 min

Lab File: BM008265.D

Acq: 12 Dec 2016 16:08

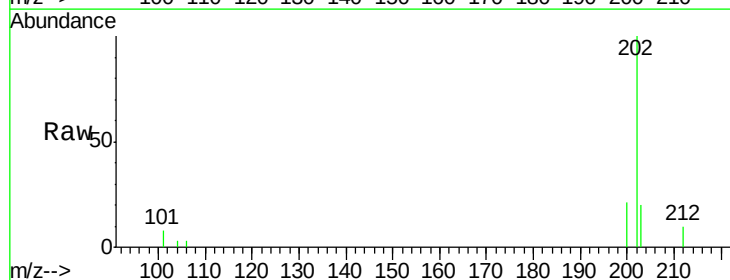
Tgt Ion:202 Resp: 5028

Ion Ratio Lower Upper

202 100

200 21.0 18.2 27.4

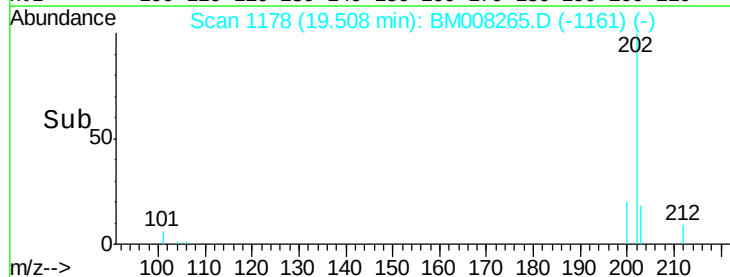
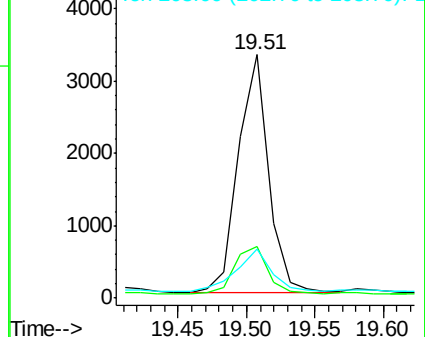
203 20.3 15.6 23.4

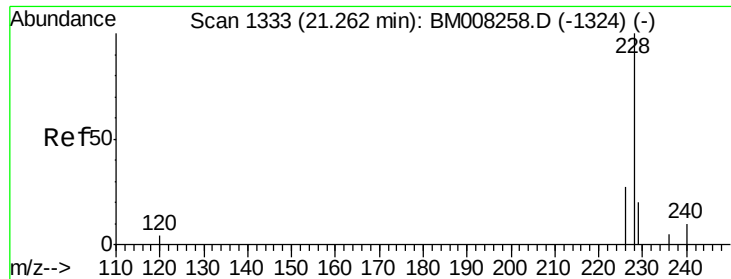


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#18

Benzo(a)anthracene

Concen: 0.78 ng/ul

RT: 21.25 min Scan# 1332

Delta R.T. -0.01 min

Lab File: BM008265.D

Acq: 12 Dec 2016 16:08

Instrument :

BNA_M

ClientSampleId :

DA809DL

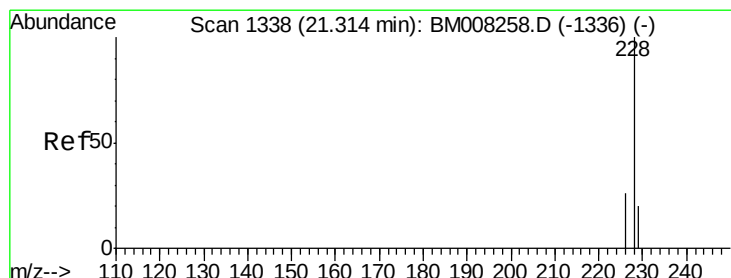
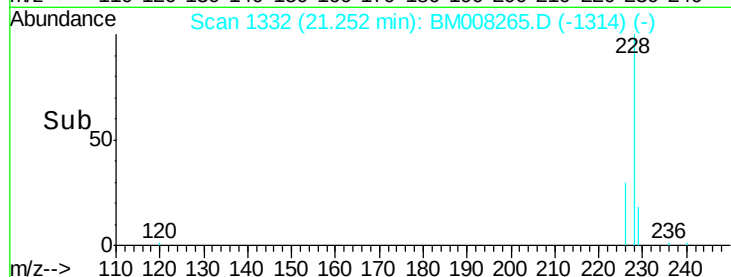
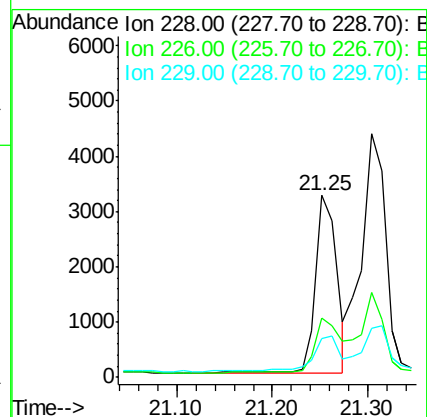
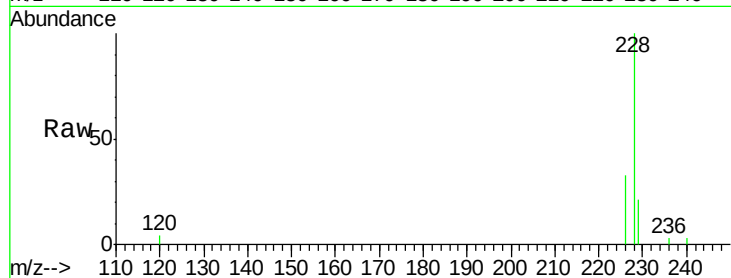
Tgt Ion:228 Resp: 4906

Ion Ratio Lower Upper

228 100

226 32.7 22.8 34.2

229 21.5 17.0 25.6



#19

Chrysene

Concen: 0.97 ng/ul

RT: 21.30 min Scan# 1337

Delta R.T. -0.01 min

Lab File: BM008265.D

Acq: 12 Dec 2016 16:08

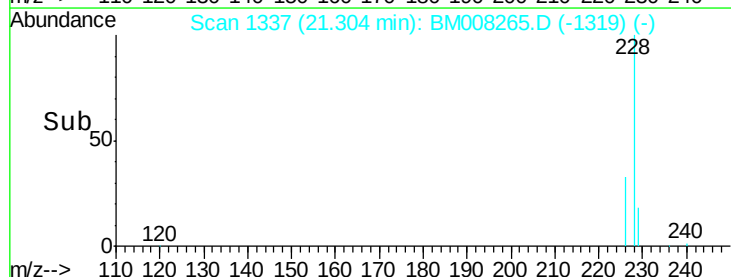
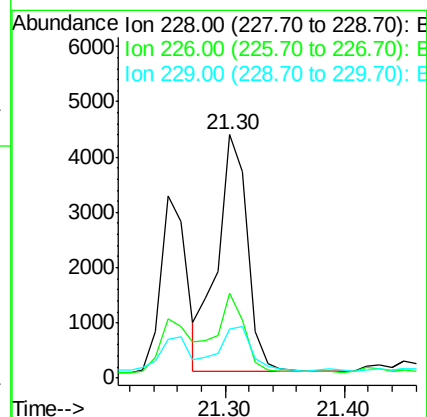
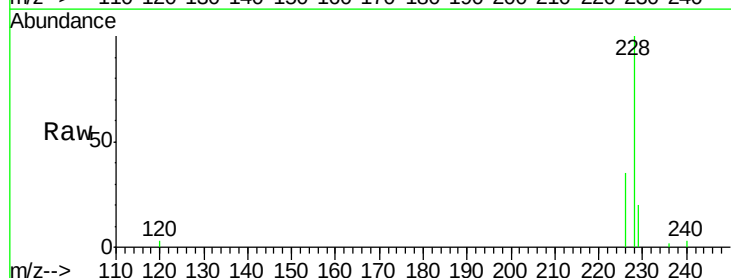
Tgt Ion:228 Resp: 7567

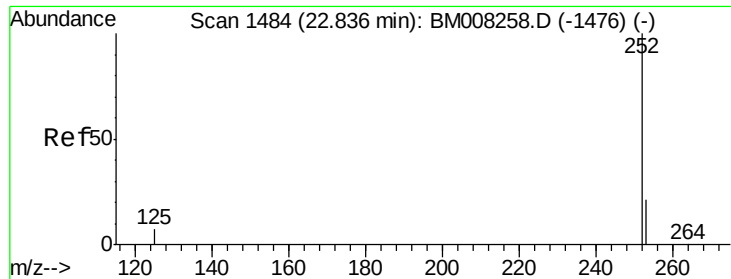
Ion Ratio Lower Upper

228 100

226 34.7 23.4 35.0

229 20.4 17.7 26.5





#21

Benzo(b)fluoranthene

Concen: 2.24 ng/ul

RT: 22.84 min Scan# 1484

Delta R.T. 0.00 min

Lab File: BM008265.D

Acq: 12 Dec 2016 16:08

Instrument :

BNA_M

ClientSampleId :

DA809DL

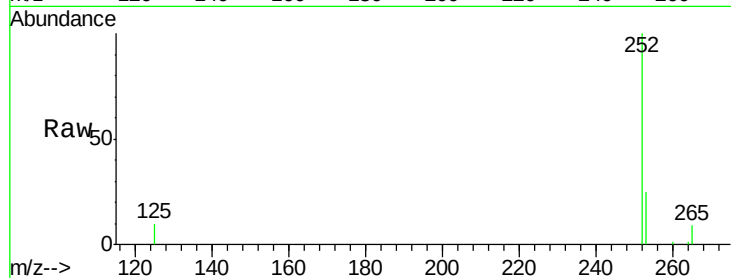
Tgt Ion:252 Resp: 17374

Ion Ratio Lower Upper

252 100

253 25.0 0.0 64.2

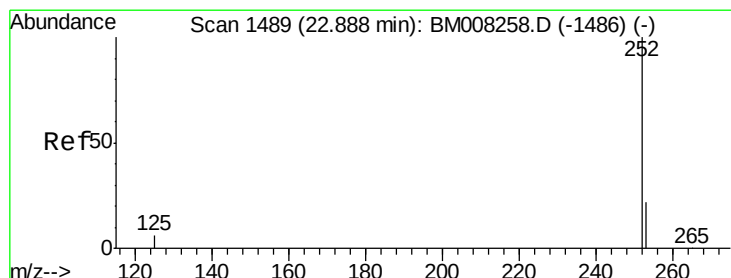
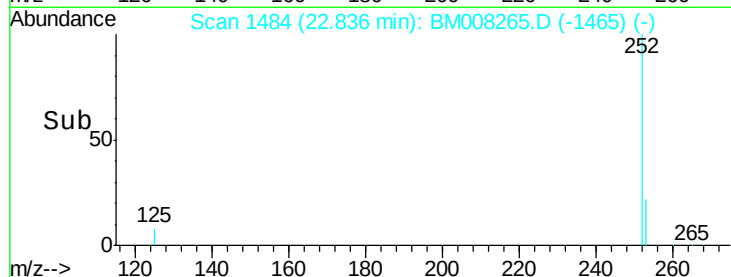
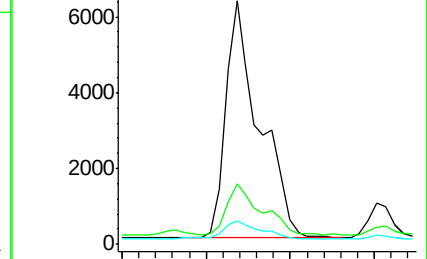
125 9.7 0.0 35.0



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: 2.17 ng/ul

RT: 22.84 min Scan# 1484

Delta R.T. -0.05 min

Lab File: BM008265.D

Acq: 12 Dec 2016 16:08

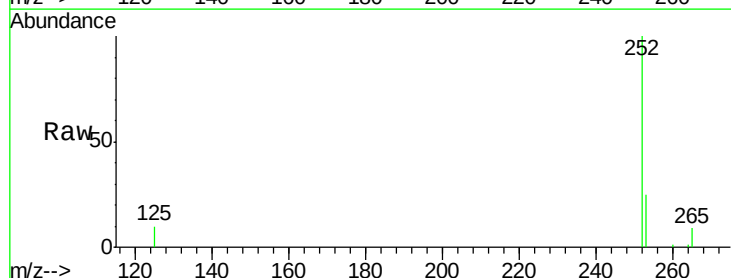
Tgt Ion:252 Resp: 17374

Ion Ratio Lower Upper

252 100

253 25.0 24.5 36.7

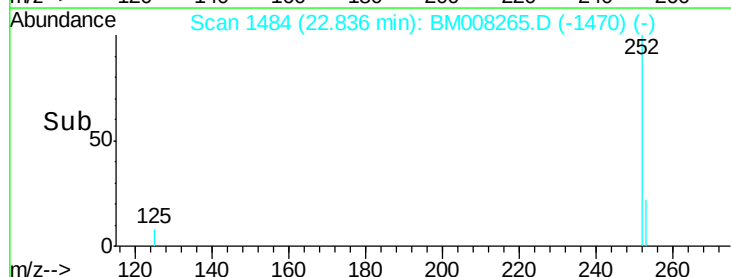
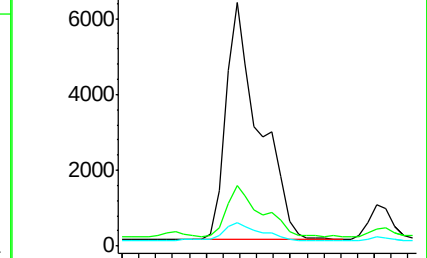
125 9.7 13.7 20.5

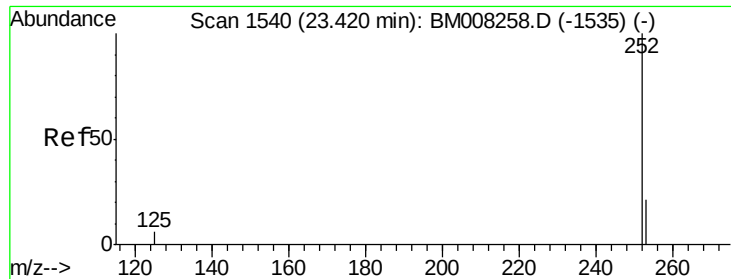


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#23

Benzo(a)pyrene

Concen: 0.29 ng/ul

RT: 23.56 min Scan# 1553

Delta R.T. 0.14 min

Lab File: BM008265.D

Acq: 12 Dec 2016 16:08

Instrument :

BNA_M

ClientSampleId :

DA809DL

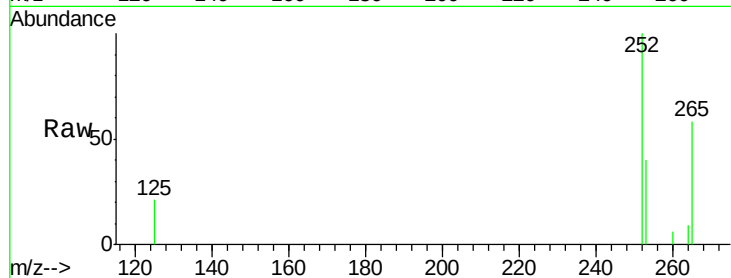
Tgt Ion:252 Resp: 2122

Ion Ratio Lower Upper

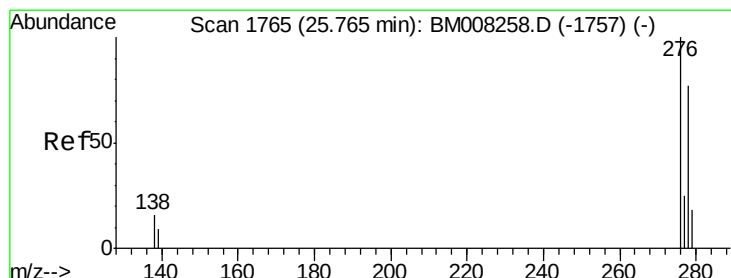
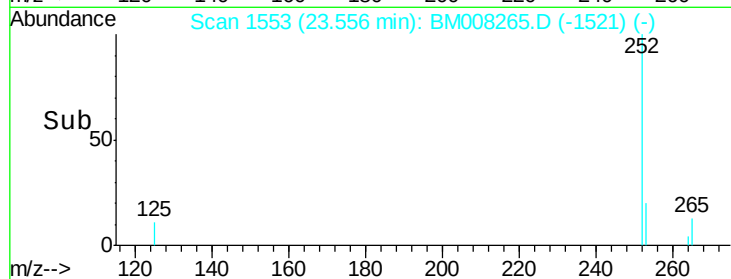
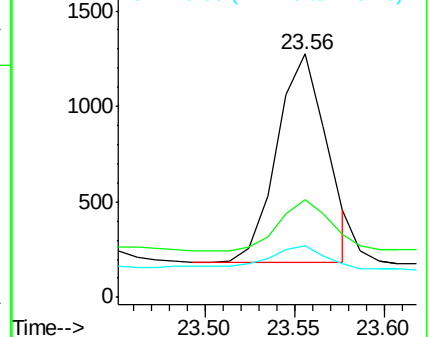
252 100

253 40.3 28.5 42.7

125 21.0 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: 0.76 ng/ul

RT: 25.74 min Scan# 1763

Delta R.T. -0.02 min

Lab File: BM008265.D

Acq: 12 Dec 2016 16:08

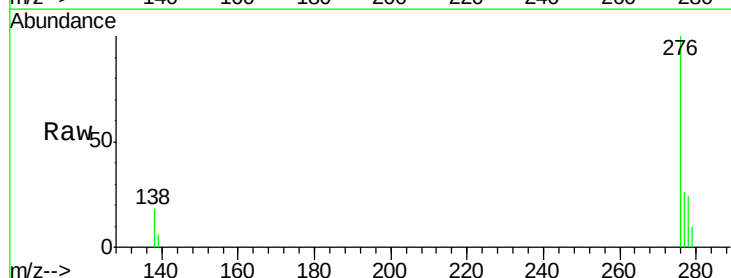
Tgt Ion:276 Resp: 6823

Ion Ratio Lower Upper

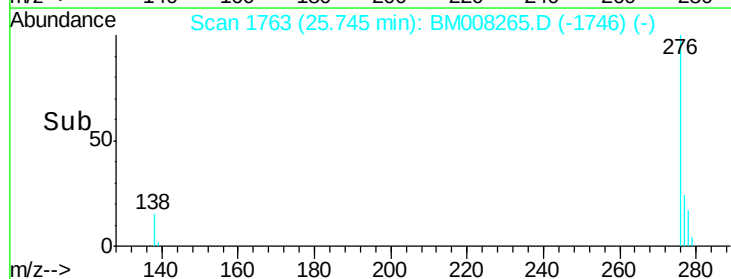
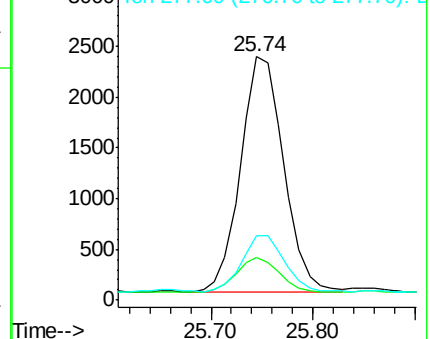
276 100

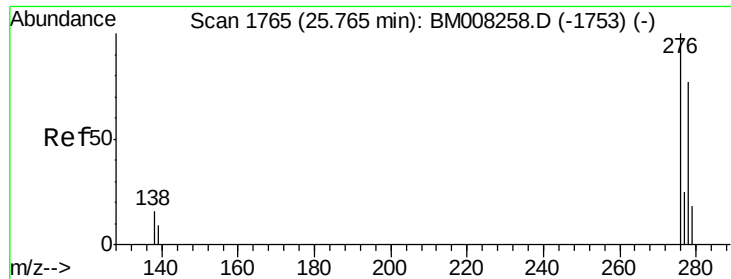
138 15.2 19.1 28.7#

277 23.9 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: 0.25 ng/ul

RT: 25.74 min Scan# 1763

Delta R.T. -0.02 min

Lab File: BM008265.D

Acq: 12 Dec 2016 16:08

Instrument :

BNA_M

ClientSampleId :

DA809DL

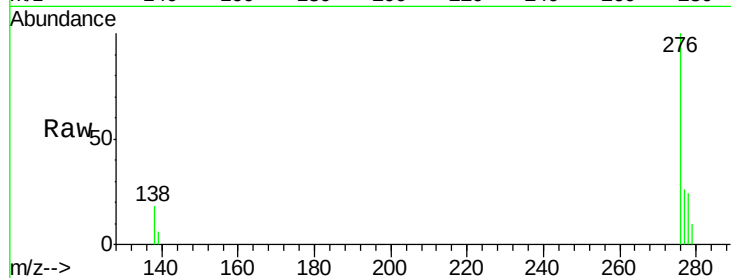
Tgt Ion:278 Resp: 1822

Ion Ratio Lower Upper

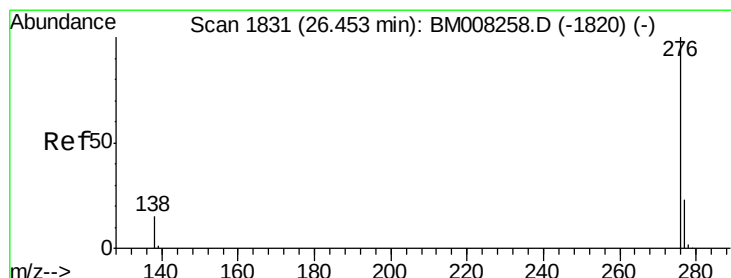
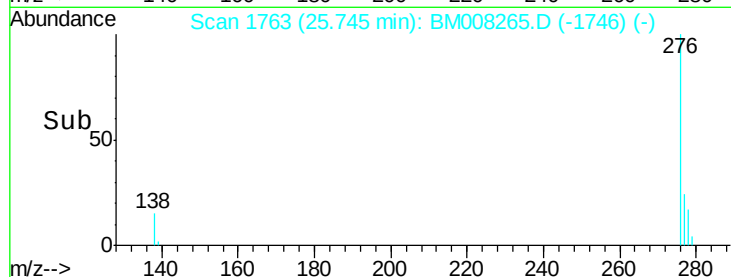
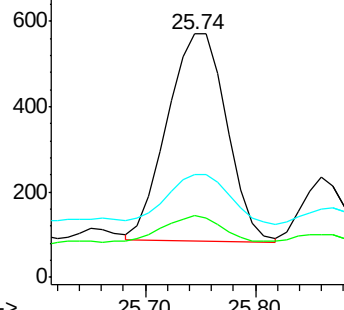
278 100

139 25.4 17.4 26.0

279 42.0 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: 0.74 ng/ul

RT: 26.44 min Scan# 1830

Delta R.T. -0.01 min

Lab File: BM008265.D

Acq: 12 Dec 2016 16:08

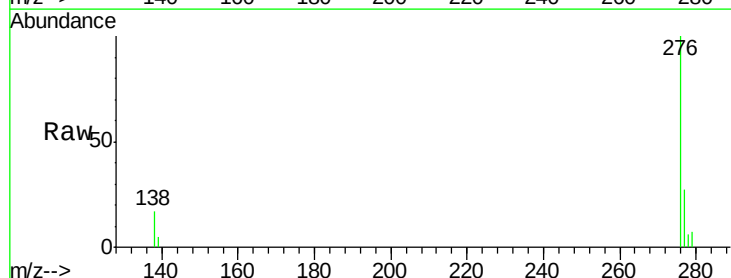
Tgt Ion:276 Resp: 5913

Ion Ratio Lower Upper

276 100

277 26.8 21.8 32.8

138 16.9 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

