

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM121216\
 Data File : BM008267.D
 Acq On : 12 Dec 2016 17:21
 Operator : UM/SJ
 Sample : H5905-04DL 5X
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 DA806DL

Quant Time: Dec 13 02:31:36 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	541	0.40	ng/ul	0.00
2) Naphthalene-d8	10.48	136	1817	0.40	ng/ul	0.00
6) Acenaphthene-d10	14.33	164	1034	0.40	ng/ul	0.00
10) Phenanthrene-d10	17.07	188	1744	0.40	ng/ul	-0.02
16) Chrysene-d12	21.27	240	1526	0.40	ng/ul	-0.01
20) Perylene-d12	23.51	264	1499	0.40	ng/ul	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) 2-Methylnaphthalene-d10	12.07	152	102	0.04	ng/ul	0.00
14) Fluoranthene-d10	19.11	212	362	0.07	ng/ul	-0.01

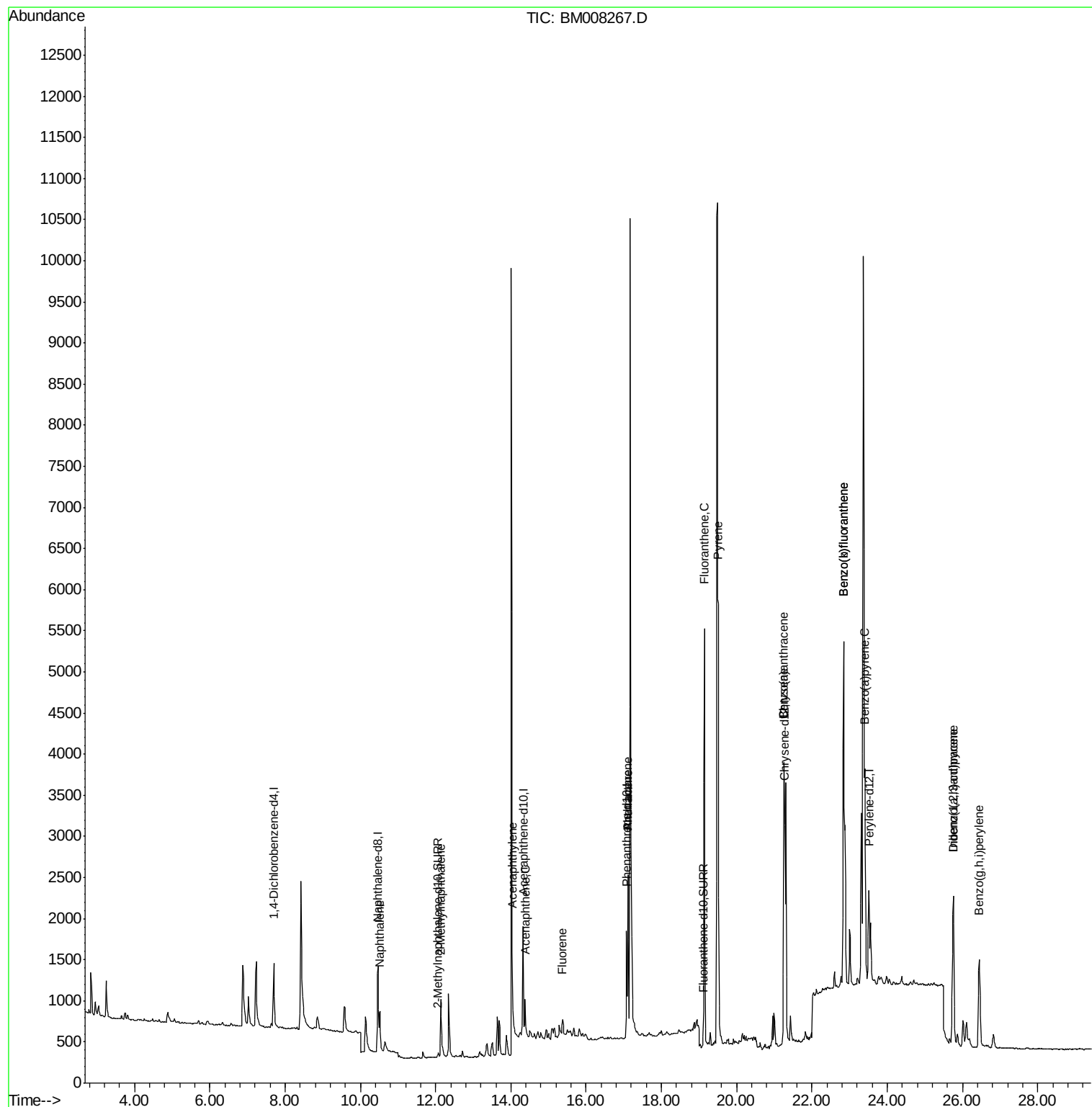
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Naphthalene	10.52	128	836	0.16	ng/ul#	82
5) 2-Methylnaphthalene	12.14	142	686	0.21	ng/ul	98
7) Acenaphthylene	14.04	152	594	0.13	ng/ul#	77
8) Acenaphthene	14.38	153	276	0.08	ng/ul#	92
9) Fluorene	15.38	166	233	0.06	ng/ul#	68
12) Phenanthrene	17.11	178	2658	0.49	ng/ul	97
13) Anthracene	17.11	178	2647	0.52	ng/ul	98
15) Fluoranthene	19.14	202	5532	0.79	ng/ul	96
17) Pyrene	19.51	202	5584	1.05	ng/ul	98
18) Benzo(a)anthracene	21.25	228	3913	0.84	ng/ul	94
19) Chrysene	21.25	228	3902	0.67	ng/ul	96
21) Benzo(b)fluoranthene	22.84	252	9350	1.56	ng/ul	89
22) Benzo(k)fluoranthene	22.84	252	9350	1.52	ng/ul#	90
23) Benzo(a)pyrene	23.41	252	3677	0.66	ng/ul#	89
24) Indeno(1,2,3-cd)pyrene	25.76	276	3047	0.44	ng/ul#	90
25) Dibenzo(a,h)anthracene	25.76	278	839	0.15	ng/ul#	69
26) Benzo(g,h,i)perylene	26.44	276	2398	0.39	ng/ul	94

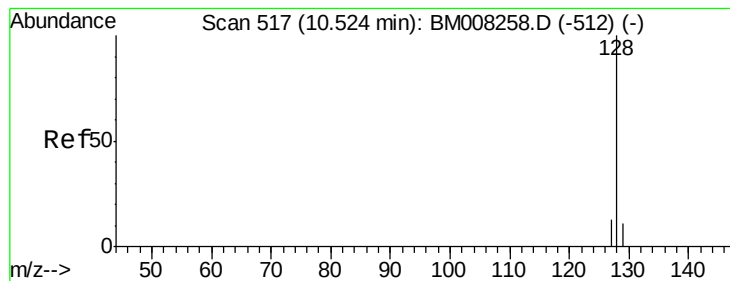
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Naphthalene

Concen: 0.16 ng/ul

RT: 10.52 min Scan# 517

Delta R.T. 0.00 min

Lab File: BM008267.D

Acq: 12 Dec 2016 17:21

Instrument :

BNA_M

ClientSampleId :

DA806DL

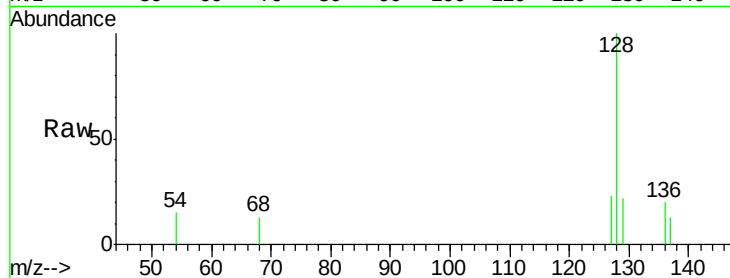
Tgt Ion:128 Resp: 836

Ion Ratio Lower Upper

128 100

129 22.2 11.3 16.9#

127 22.6 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

10.52

400

300

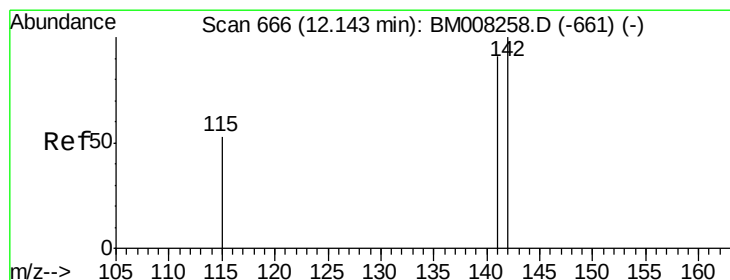
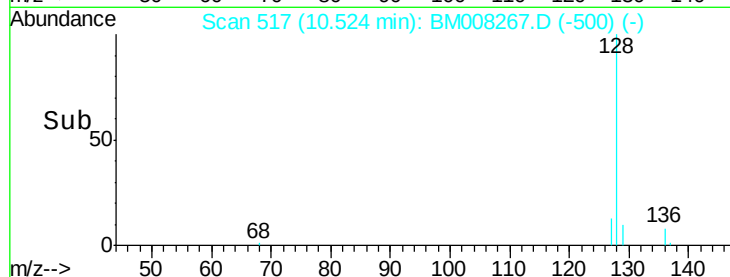
200

100

0

10.40 10.50 10.60 10.70

Time-->



#5

2-Methylnaphthalene

Concen: 0.21 ng/ul

RT: 12.14 min Scan# 666

Delta R.T. 0.00 min

Lab File: BM008267.D

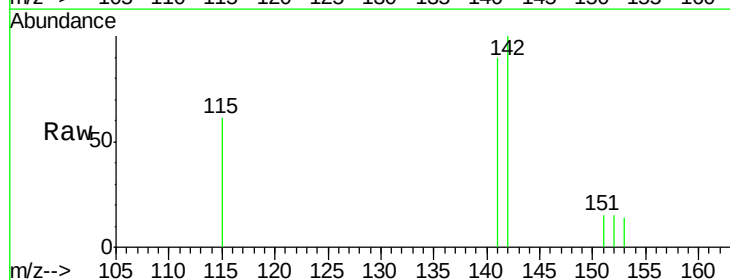
Acq: 12 Dec 2016 17:21

Tgt Ion:142 Resp: 686

Ion Ratio Lower Upper

142 100

141 88.6 72.6 108.8



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

12.14

400

300

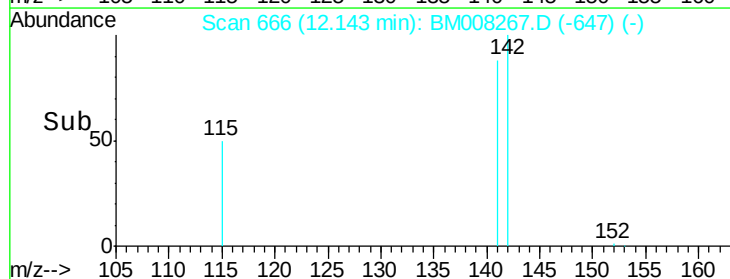
200

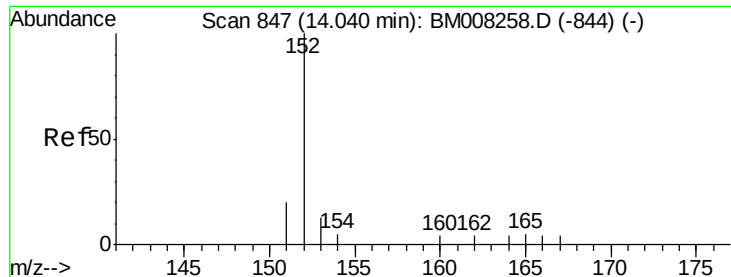
100

0

12.00 12.10 12.20 12.30

Time-->





#7

Acenaphthylene

Concen: 0.13 ng/ul

RT: 14.04 min Scan# 847

Delta R.T. 0.00 min

Lab File: BM008267.D

Acq: 12 Dec 2016 17:21

Instrument :

BNA_M

ClientSampled :

DA806DL

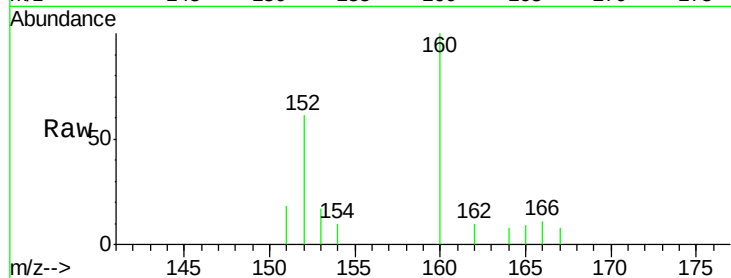
Tgt Ion:152 Resp: 594

Ion Ratio Lower Upper

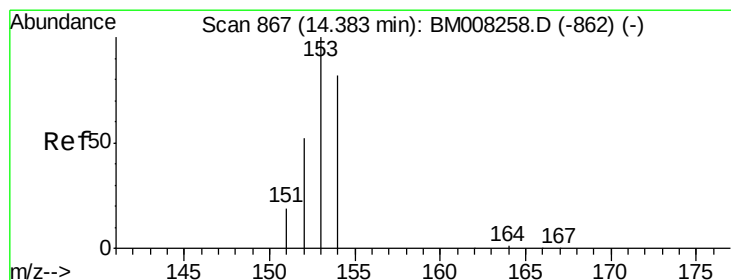
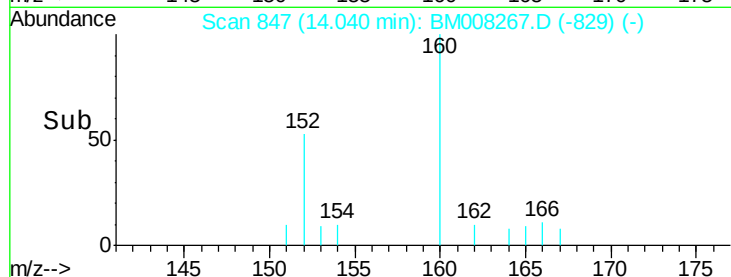
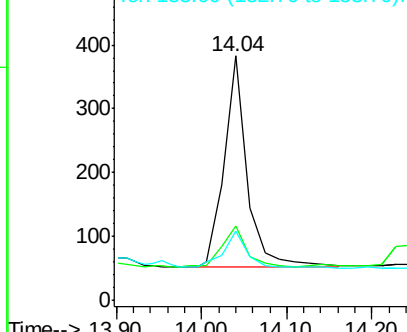
152 100

151 30.3 17.1 25.7#

153 28.2 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: 0.08 ng/ul

RT: 14.38 min Scan# 867

Delta R.T. 0.00 min

Lab File: BM008267.D

Acq: 12 Dec 2016 17:21

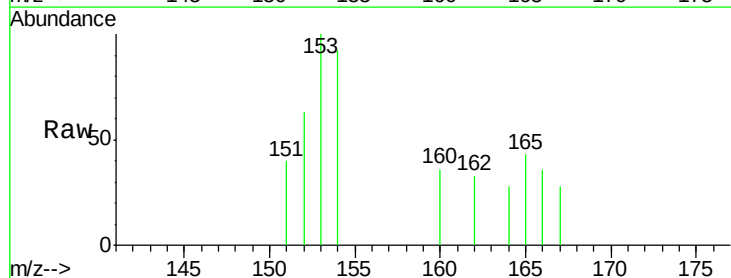
Tgt Ion:153 Resp: 276

Ion Ratio Lower Upper

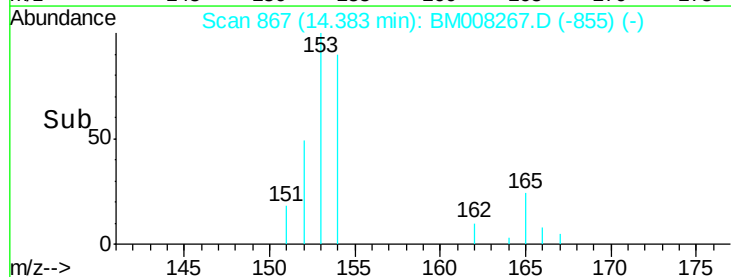
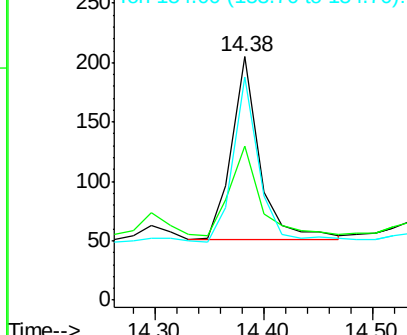
153 100

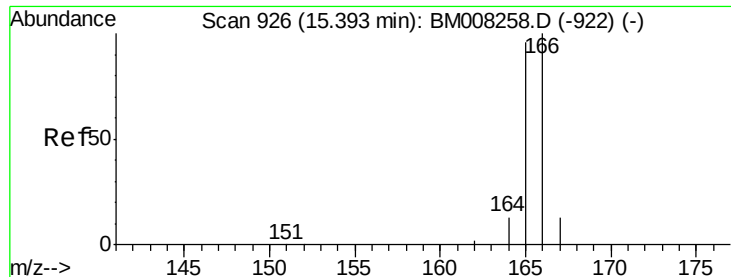
152 63.4 40.3 60.5#

154 91.7 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: 0.06 ng/ul

RT: 15.38 min Scan# 925

Delta R.T. -0.02 min

Lab File: BM008267.D

Acq: 12 Dec 2016 17:21

Instrument :

BNA_M

ClientSampleId :

DA806DL

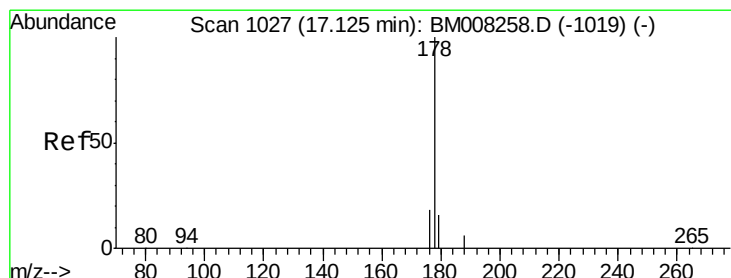
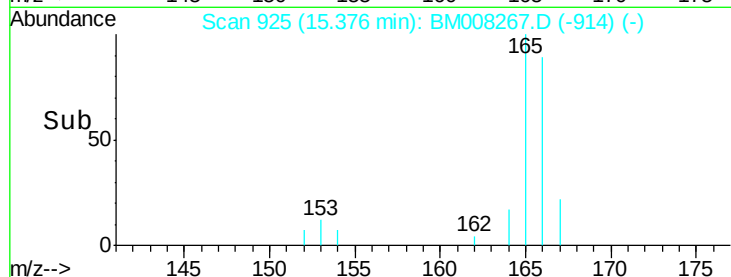
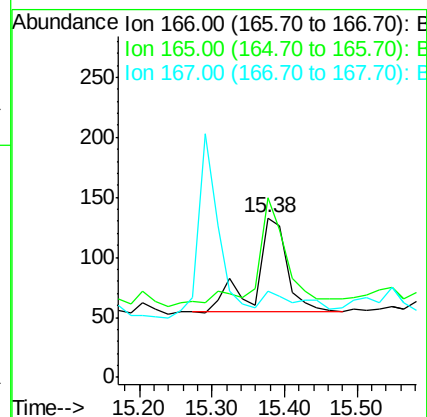
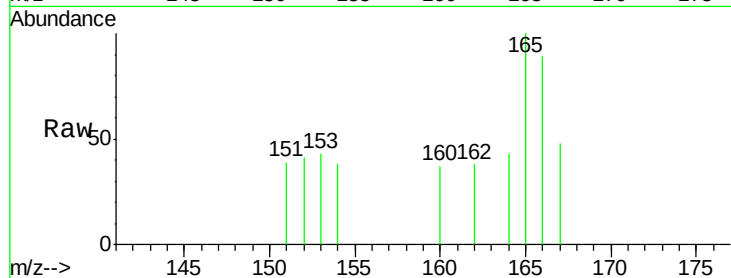
Tgt Ion:166 Resp: 233

Ion Ratio Lower Upper

166 100

165 112.8 73.4 110.2#

167 54.1 14.6 22.0#



#12

Phenanthrene

Concen: 0.49 ng/ul

RT: 17.11 min Scan# 1026

Delta R.T. -0.02 min

Lab File: BM008267.D

Acq: 12 Dec 2016 17:21

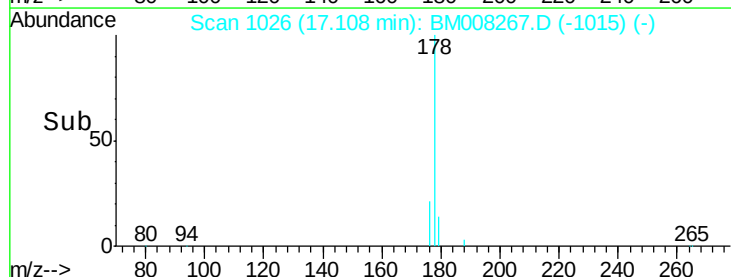
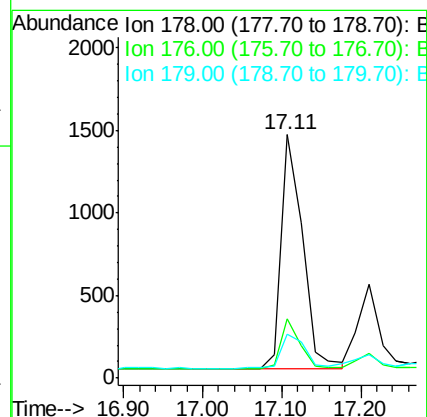
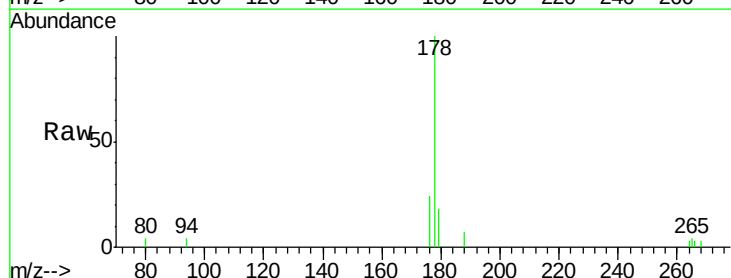
Tgt Ion:178 Resp: 2658

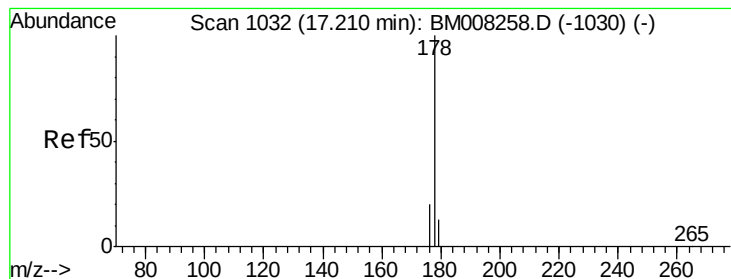
Ion Ratio Lower Upper

178 100

176 24.5 18.4 27.6

179 18.1 13.6 20.4





#13

Anthracene

Concen: 0.52 ng/ul

RT: 17.11 min Scan# 1026

Delta R.T. -0.10 min

Lab File: BM008267.D

Acq: 12 Dec 2016 17:21

Instrument :

BNA_M

ClientSampleId :

DA806DL

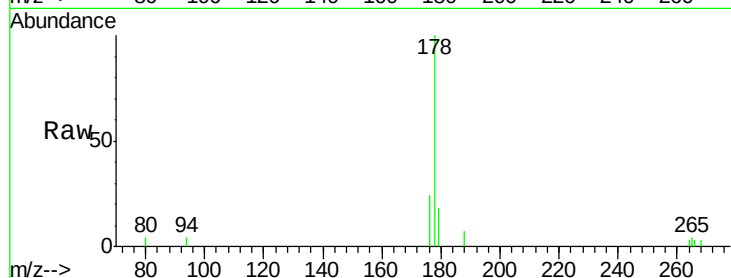
Tgt Ion:178 Resp: 2647

Ion Ratio Lower Upper

178 100

176 24.5 18.1 27.1

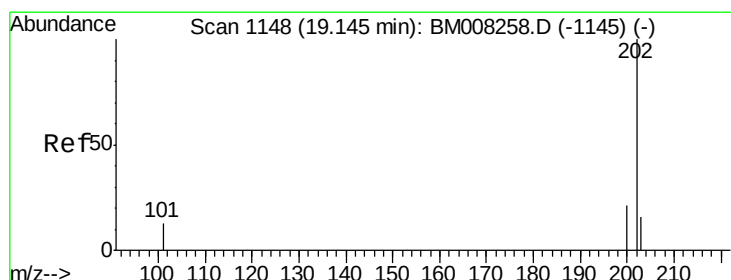
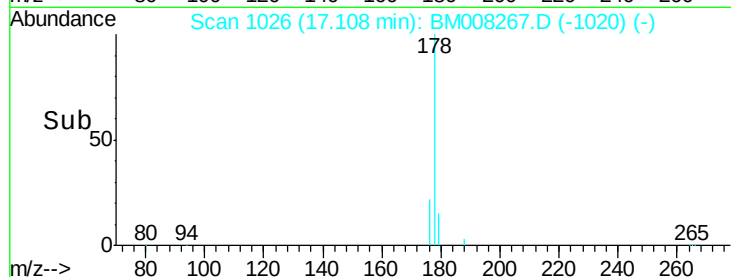
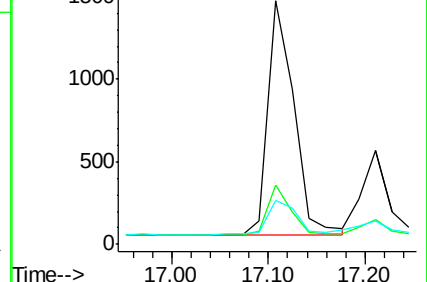
179 18.1 14.7 22.1



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: 0.79 ng/ul

RT: 19.14 min Scan# 1148

Delta R.T. 0.00 min

Lab File: BM008267.D

Acq: 12 Dec 2016 17:21

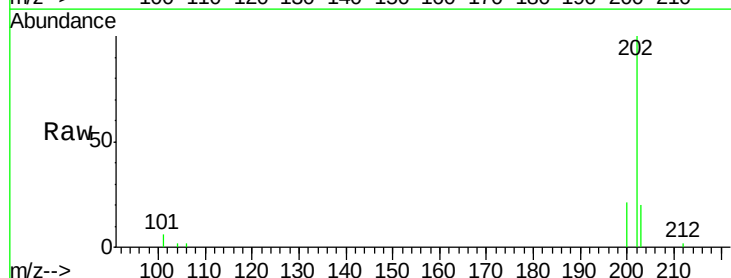
Tgt Ion:202 Resp: 5532

Ion Ratio Lower Upper

202 100

101 6.0 0.0 30.3

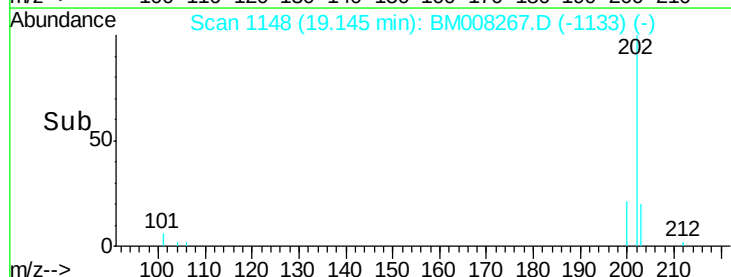
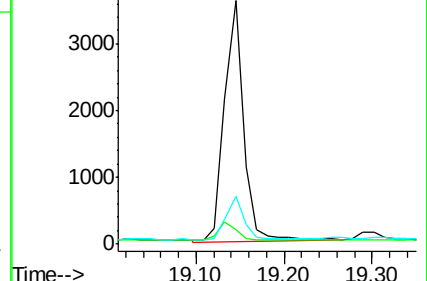
203 19.6 0.0 39.5

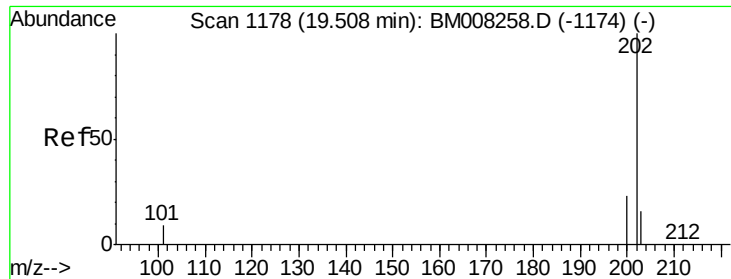


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E

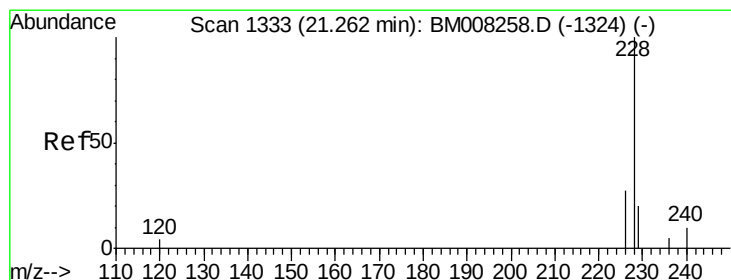
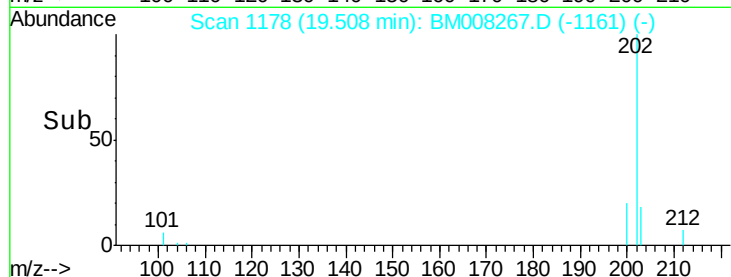
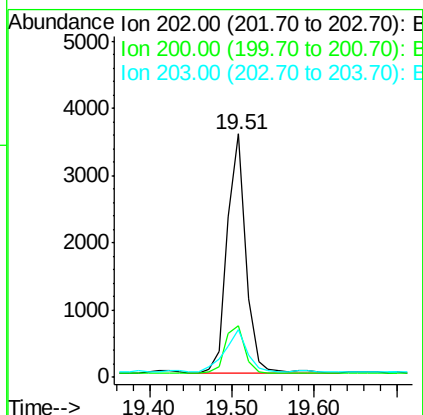
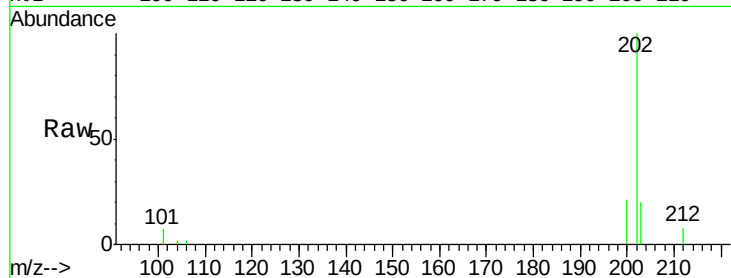




#17
 Pyrene
 Concen: 1.05 ng/ul
 RT: 19.51 min Scan# 1178
 Delta R.T. 0.00 min
 Lab File: BM008267.D
 Acq: 12 Dec 2016 17:21

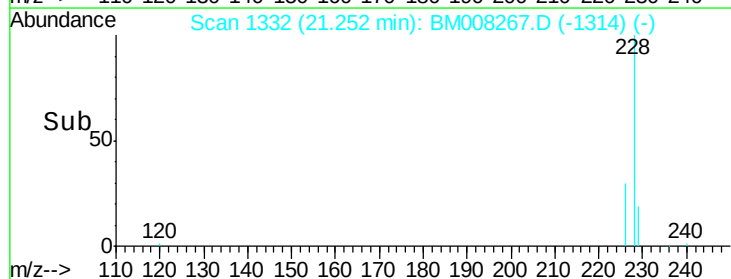
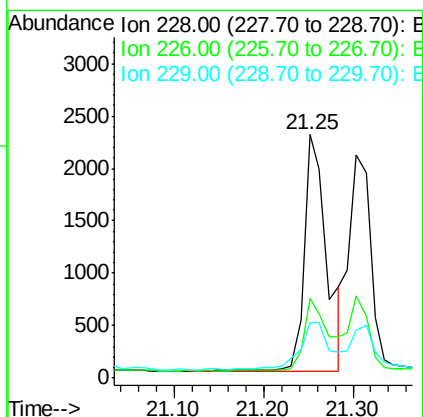
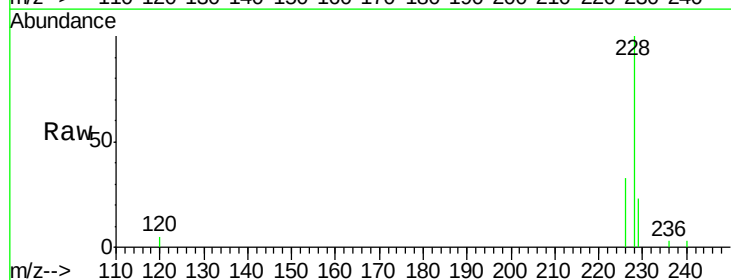
Instrument :
 BNA_M
 ClientSampleId :
 DA806DL

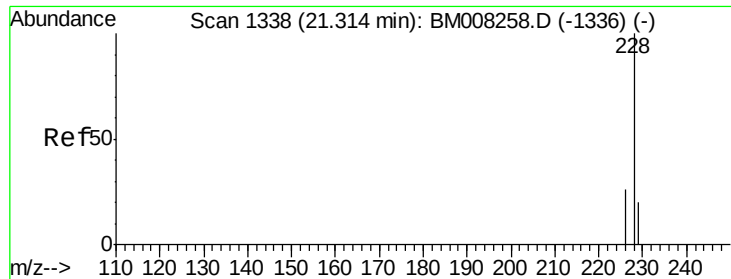
Tgt Ion:202 Resp: 5584
 Ion Ratio Lower Upper
 202 100
 200 21.1 18.2 27.4
 203 19.8 15.6 23.4



#18
 Benzo(a)anthracene
 Concen: 0.84 ng/ul
 RT: 21.25 min Scan# 1332
 Delta R.T. -0.01 min
 Lab File: BM008267.D
 Acq: 12 Dec 2016 17:21

Tgt Ion:228 Resp: 3913
 Ion Ratio Lower Upper
 228 100
 226 32.7 22.8 34.2
 229 22.5 17.0 25.6





#19

Chrysene

Concen: 0.67 ng/ul

RT: 21.25 min Scan# 1332

Delta R.T. -0.06 min

Lab File: BM008267.D

Acq: 12 Dec 2016 17:21

Instrument :

BNA_M

ClientSampleId :

DA806DL

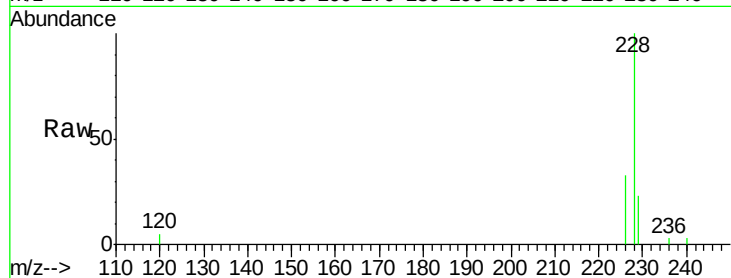
Tgt Ion:228 Resp: 3902

Ion Ratio Lower Upper

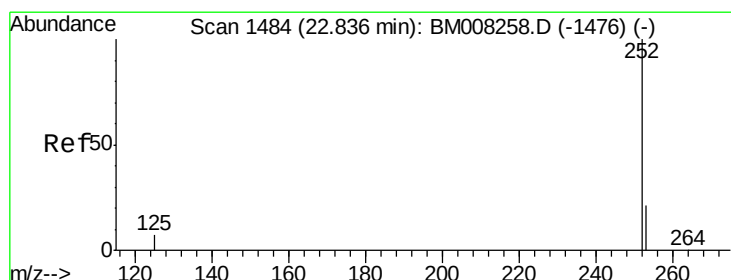
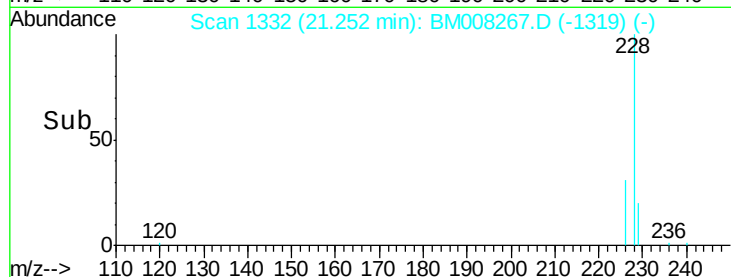
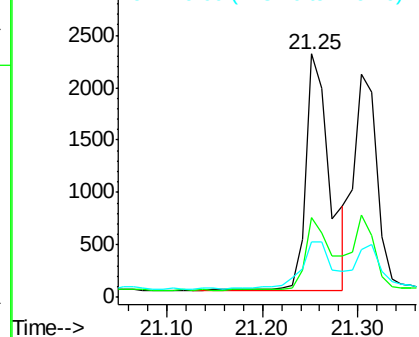
228 100

226 32.7 23.4 35.0

229 22.5 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: 1.56 ng/ul

RT: 22.84 min Scan# 1484

Delta R.T. 0.00 min

Lab File: BM008267.D

Acq: 12 Dec 2016 17:21

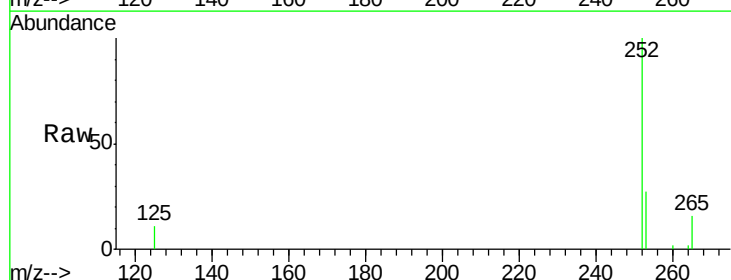
Tgt Ion:252 Resp: 9350

Ion Ratio Lower Upper

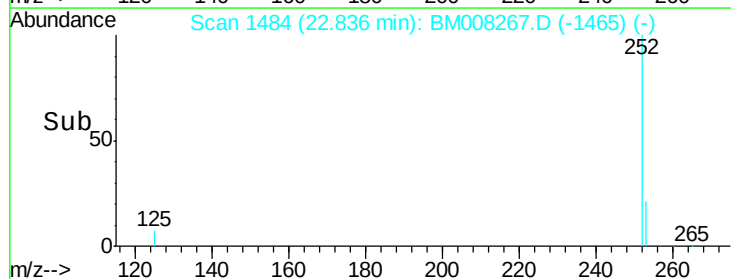
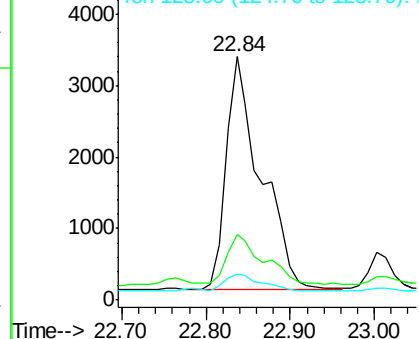
252 100

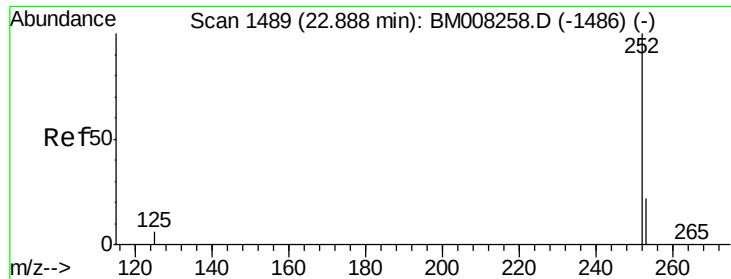
253 26.9 0.0 64.2

125 10.9 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: 1.52 ng/ul

RT: 22.84 min Scan# 1484

Delta R.T. -0.05 min

Lab File: BM008267.D

Acq: 12 Dec 2016 17:21

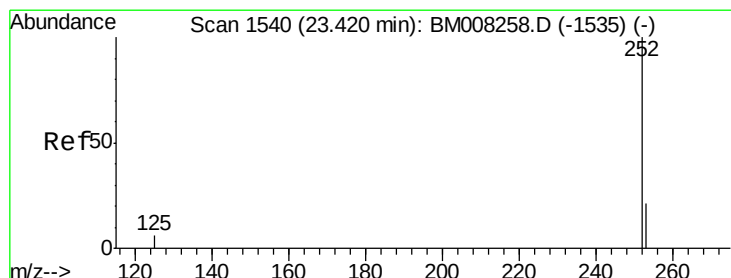
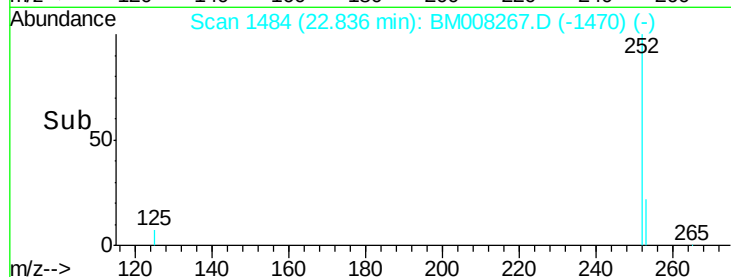
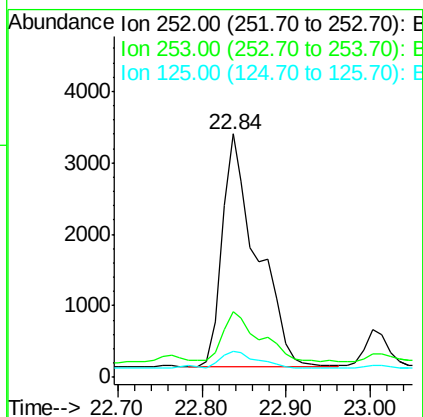
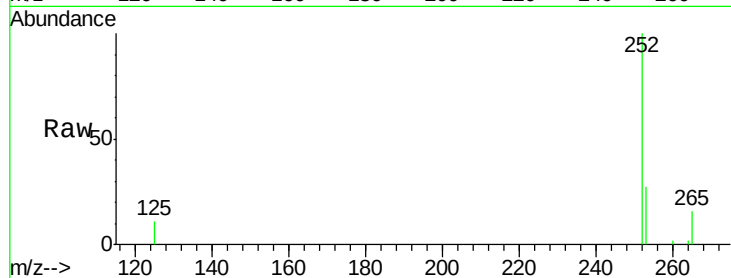
Instrument :

BNA_M

ClientSampleId :

DA806DL

Tgt Ion:	252	Resp:	9350
Ion Ratio	Lower	Upper	
252	100		
253	26.9	24.5	36.7
125	10.9	13.7	20.5#



#23

Benzo(a)pyrene

Concen: 0.66 ng/ul

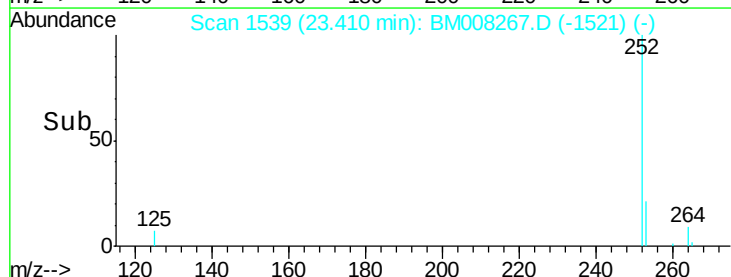
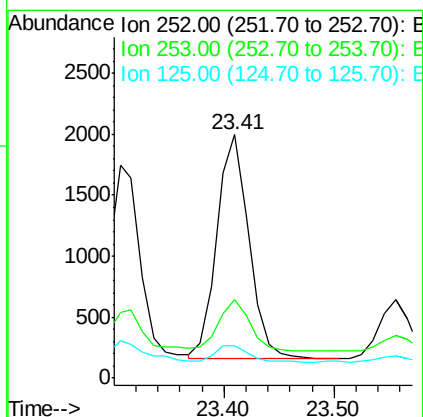
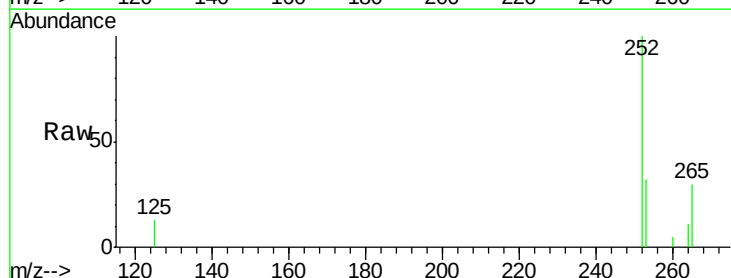
RT: 23.41 min Scan# 1539

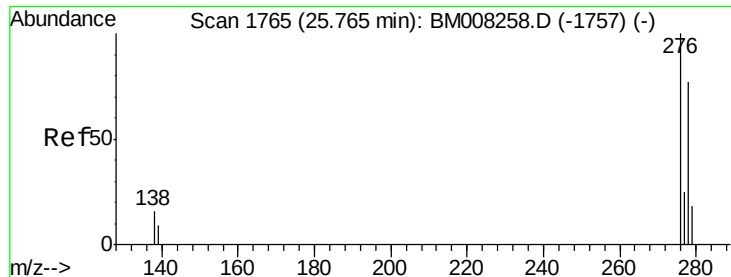
Delta R.T. -0.01 min

Lab File: BM008267.D

Acq: 12 Dec 2016 17:21

Tgt Ion:	252	Resp:	3677
Ion Ratio	Lower	Upper	
252	100		
253	32.1	28.5	42.7
125	13.4	18.1	27.1#





#24

Indeno(1,2,3-cd)pyrene

Concen: 0.44 ng/ul

RT: 25.76 min Scan# 1764

Delta R.T. -0.01 min

Lab File: BM008267.D

Acq: 12 Dec 2016 17:21

Instrument :

BNA_M

ClientSampleId :

DA806DL

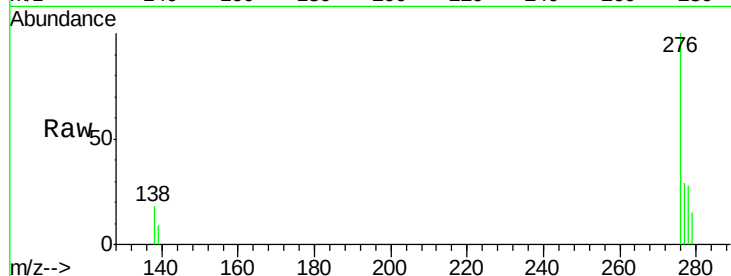
Tgt Ion:276 Resp: 3047

Ion Ratio Lower Upper

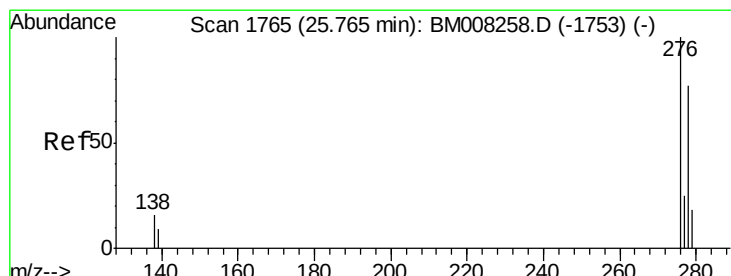
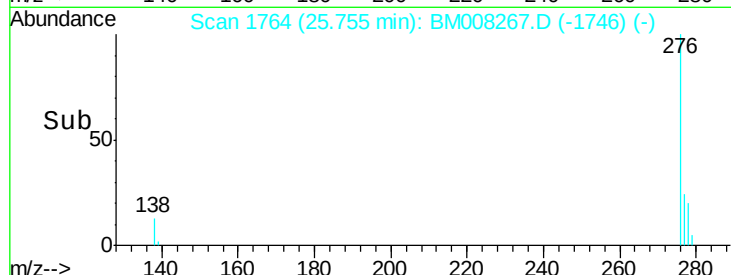
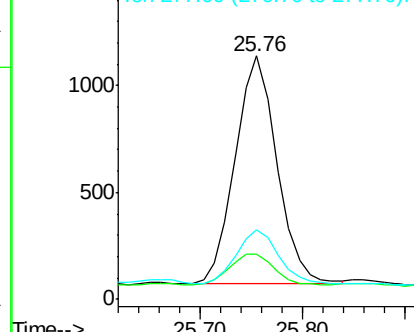
276 100

138 14.7 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: 0.15 ng/ul

RT: 25.76 min Scan# 1764

Delta R.T. -0.01 min

Lab File: BM008267.D

Acq: 12 Dec 2016 17:21

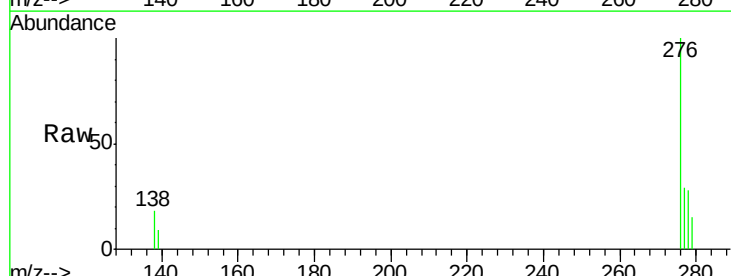
Tgt Ion:278 Resp: 839

Ion Ratio Lower Upper

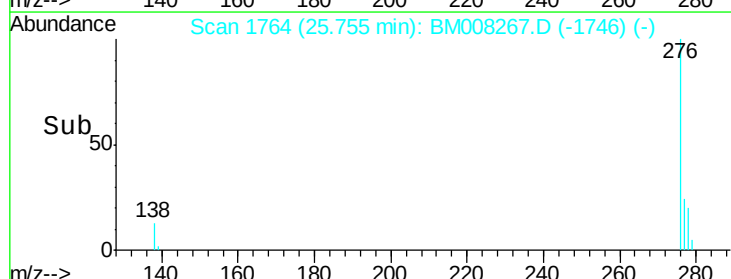
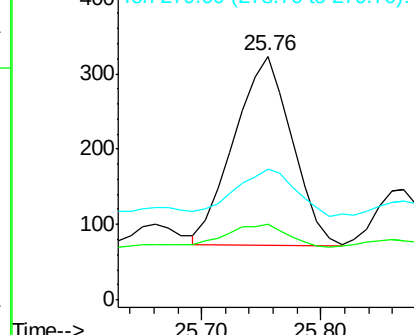
278 100

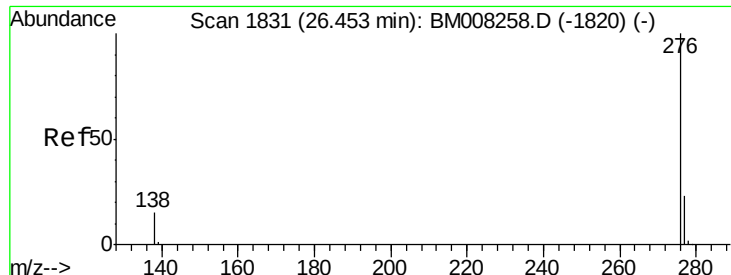
139 31.0 17.4 26.0#

279 53.9 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: 0.39 ng/ul

RT: 26.44 min Scan# 1830

Delta R.T. -0.01 min

Lab File: BM008267.D

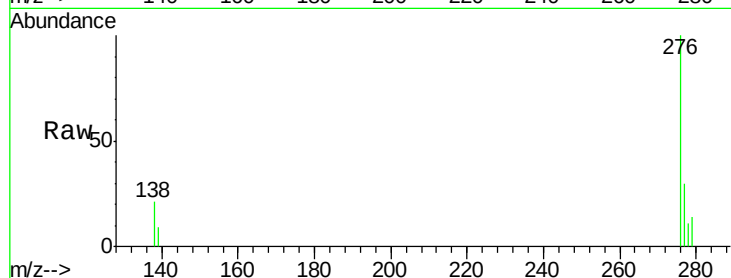
Acq: 12 Dec 2016 17:21

Instrument :

BNA_M

ClientSampleId :

DA806DL



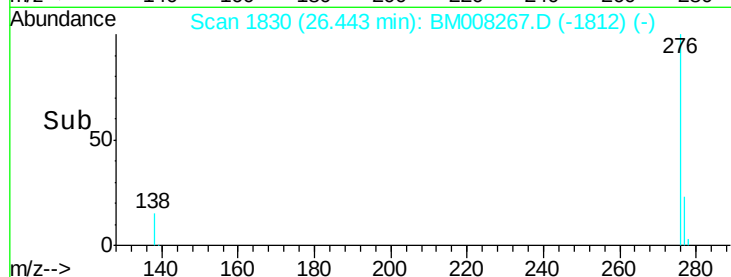
Tgt Ion: 276 Resp: 2398

Ion Ratio Lower Upper

276 100

277 29.5 21.8 32.8

138 21.4 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

