

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM120916\
 Data File : BM008220.D
 Acq On : 10 Dec 2016 00:05
 Operator : UM/SJ
 Sample : H5863-20
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 DA800

Quant Time: Dec 10 04:41:41 2016
 Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-SIM-BM112116.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Sat Dec 10 04:37:00 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.70	152	514	0.40	ng/ul	-0.03
2) Naphthalene-d8	10.46	136	1754	0.40	ng/ul	-0.02
6) Acenaphthene-d10	14.31	164	1189	0.40	ng/ul	-0.02
10) Phenanthrene-d10	17.07	188	2420	0.40	ng/ul	-0.02
16) Chrysene-d12	21.28	240	2148	0.40	ng/ul	-0.01
20) Perylene-d12	23.51	264	1908	0.40	ng/ul	-0.02

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) 2-Methylnaphthalene-d10	12.06	152	487	0.20	ng/ul	-0.04
14) Fluoranthene-d10	19.11	212	4147	0.61	ng/ul	-0.01

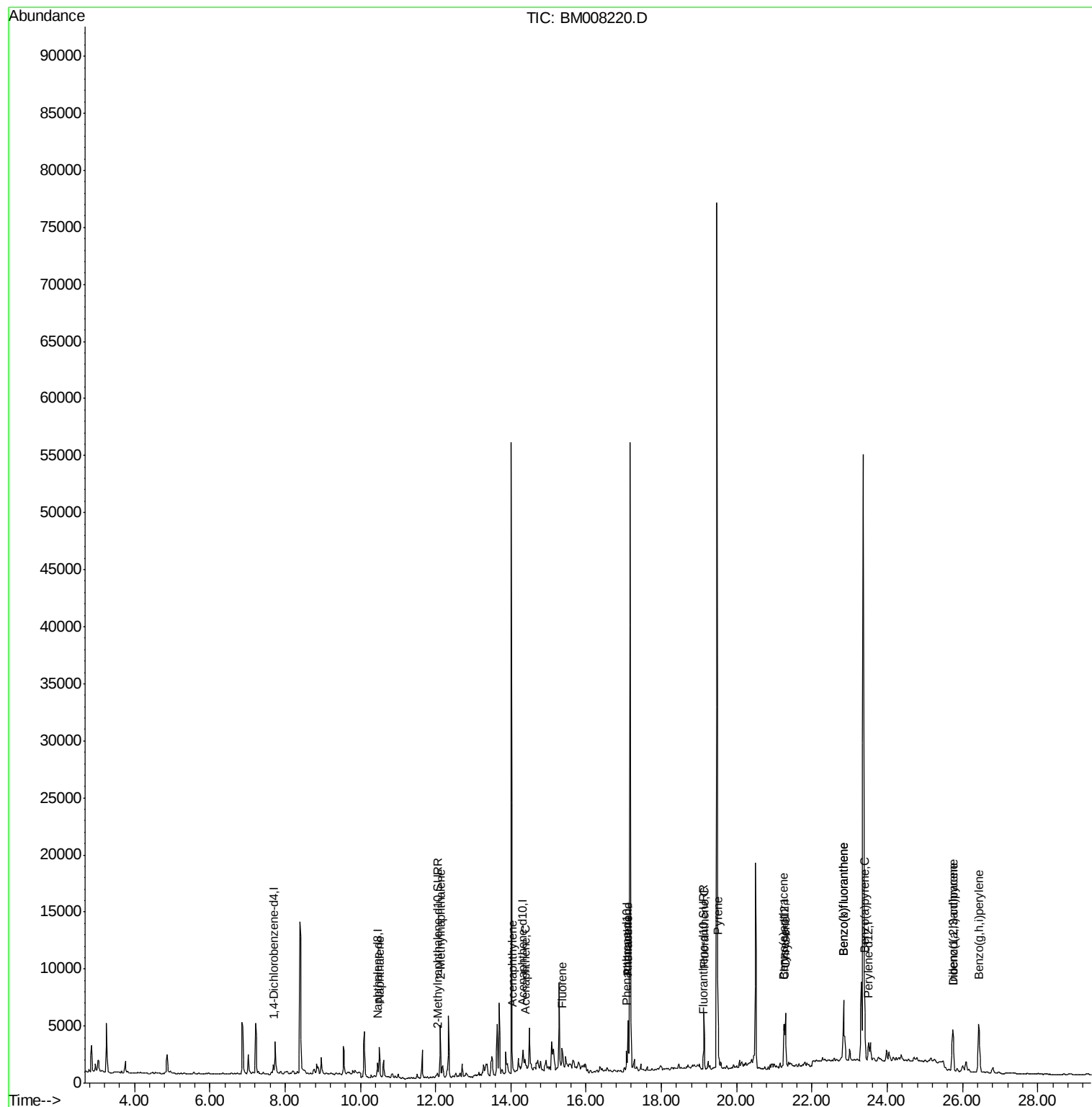
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Naphthalene	10.51	128	3688	0.75	ng/ul	98
5) 2-Methylnaphthalene	12.12	142	3477	1.10	ng/ul	99
7) Acenaphthylene	14.04	152	1125	0.21	ng/ul#	65
8) Acenaphthene	14.38	153	597	0.15	ng/ul#	87
9) Fluorene	15.38	166	1302	0.28	ng/ul#	65
12) Phenanthrene	17.11	178	5284	0.70	ng/ul	97
13) Anthracene	17.11	178	5082	0.72	ng/ul	98
15) Fluoranthene	19.14	202	4984	0.51	ng/ul	93
17) Pyrene	19.50	202	5591	0.75	ng/ul	95
18) Benzo(a)anthracene	21.26	228	3613	0.55	ng/ul#	80
19) Chrysene	21.31	228	4996	0.61	ng/ul#	90
21) Benzo(b)fluoranthene	22.84	252	11120	1.46	ng/ul	97
22) Benzo(k)fluoranthene	22.84	252	11120	1.42	ng/ul	99
23) Benzo(a)pyrene	23.40	252	7229	1.01	ng/ul#	88
24) Indeno(1,2,3-cd)pyrene	25.75	276	5853	0.66	ng/ul#	93
25) Dibenzo(a,h)anthracene	25.75	278	2073	0.29	ng/ul#	60
26) Benzo(g,h,i)perylene	26.44	276	9186	1.17	ng/ul#	93

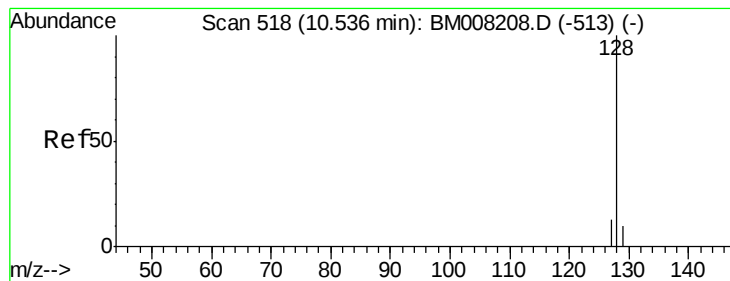
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Naphthalene

Concen: 0.75 ng/ul

RT: 10.51 min Scan# 516

Delta R.T. -0.02 min

Lab File: BM008220.D

Acq: 10 Dec 2016 00:05

Instrument :

BNA_M

ClientSampleId :

DA800

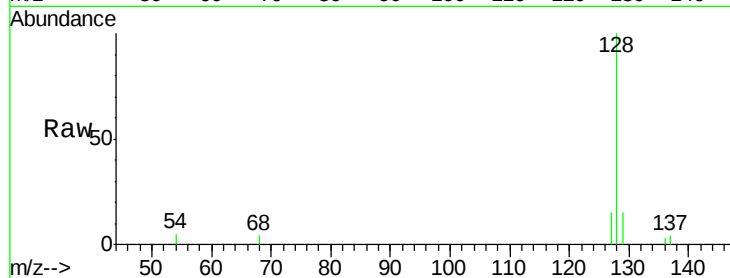
Tgt Ion:128 Resp: 3688

Ion Ratio Lower Upper

128 100

129 15.2 11.3 16.9

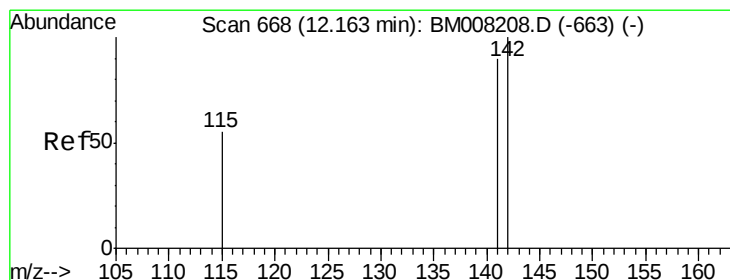
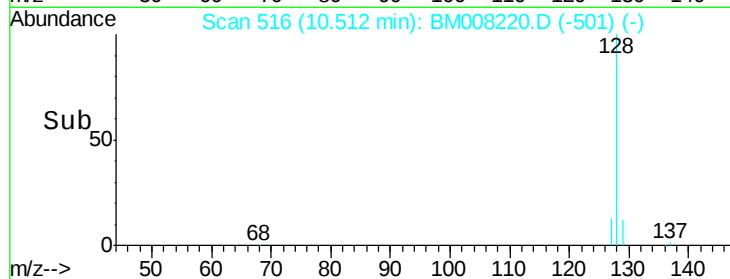
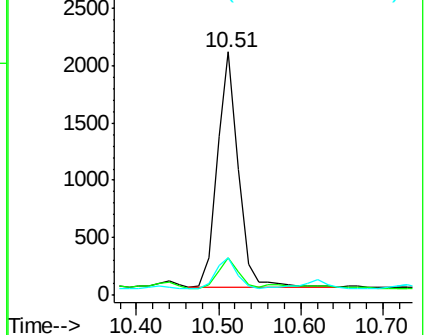
127 15.3 12.8 19.2



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: 1.10 ng/ul

RT: 12.12 min Scan# 664

Delta R.T. -0.04 min

Lab File: BM008220.D

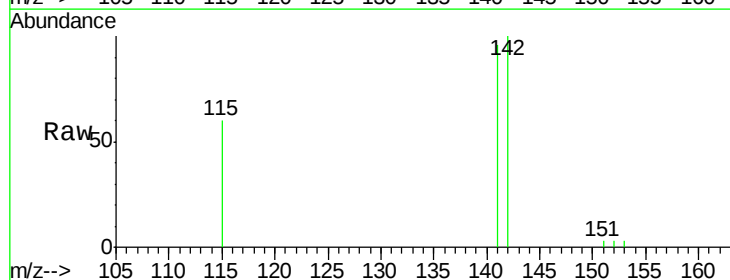
Acq: 10 Dec 2016 00:05

Tgt Ion:142 Resp: 3477

Ion Ratio Lower Upper

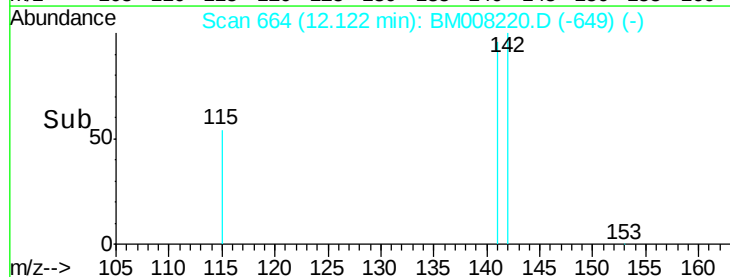
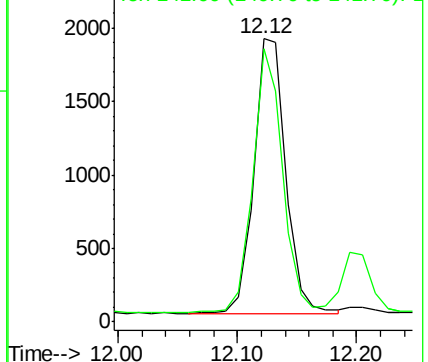
142 100

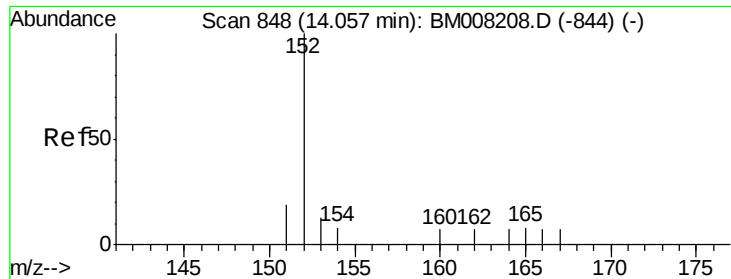
141 89.4 72.6 108.8



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: 14.04 min Scan# 847

Delta R.T. -0.02 min

Lab File: BM008220.D

Acq: 10 Dec 2016 00:05

Instrument :

BNA_M

ClientSampleId :

DA800

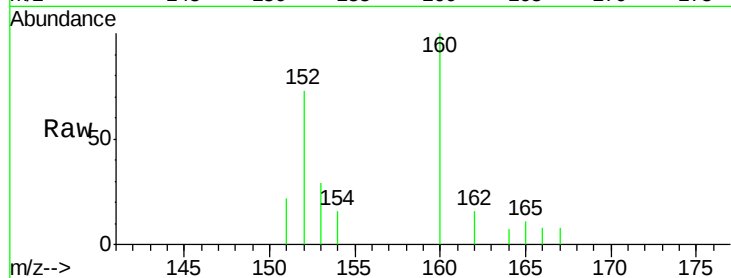
Tgt Ion:152 Resp: 1125

Ion Ratio Lower Upper

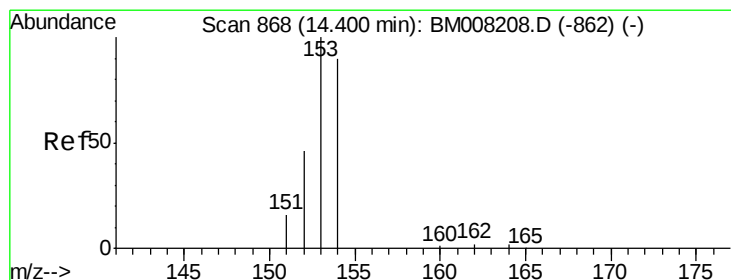
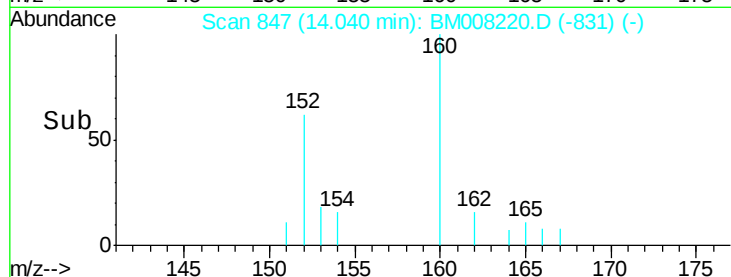
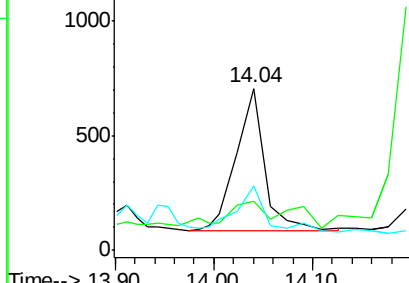
152 100

151 30.4 17.1 25.7#

153 39.7 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: 0.15 ng/ul

RT: 14.38 min Scan# 867

Delta R.T. -0.02 min

Lab File: BM008220.D

Acq: 10 Dec 2016 00:05

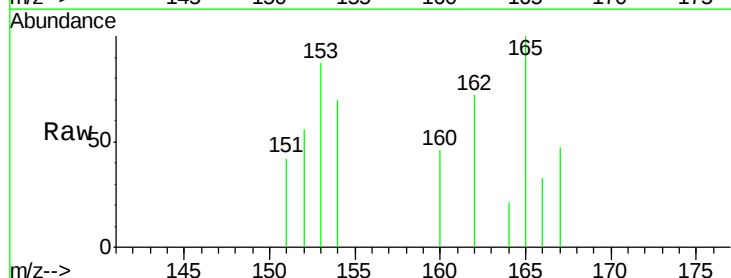
Tgt Ion:153 Resp: 597

Ion Ratio Lower Upper

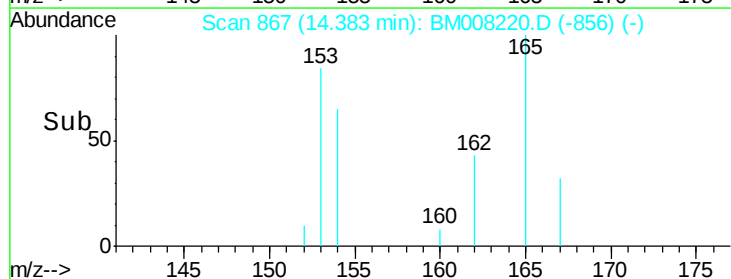
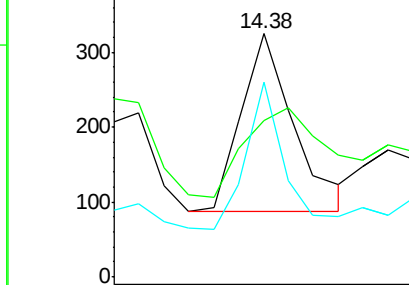
153 100

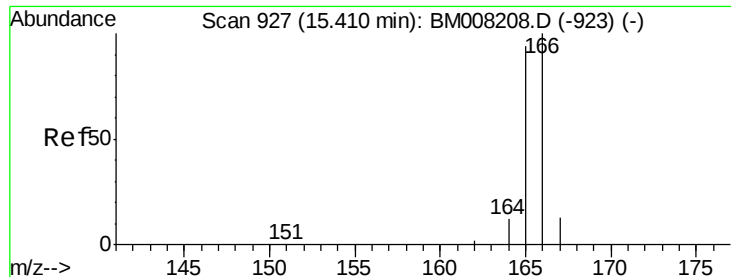
152 64.3 40.3 60.5#

154 80.3 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: 0.28 ng/ul

RT: 15.38 min Scan# 925

Delta R.T. -0.03 min

Lab File: BM008220.D

Acq: 10 Dec 2016 00:05

Instrument :

BNA_M

ClientSampleId :

DA800

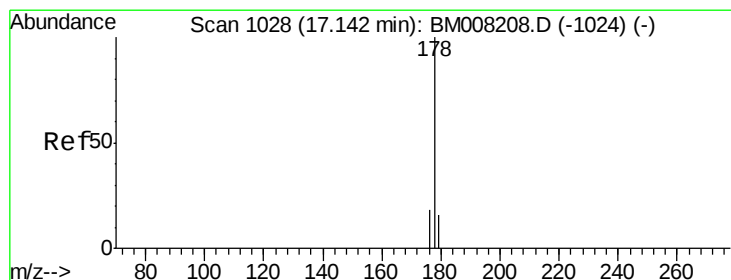
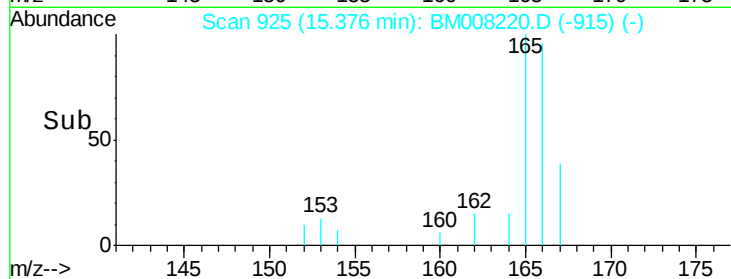
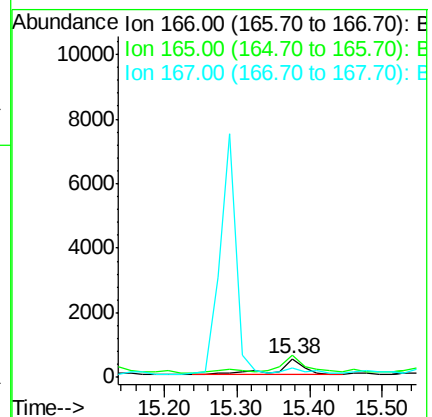
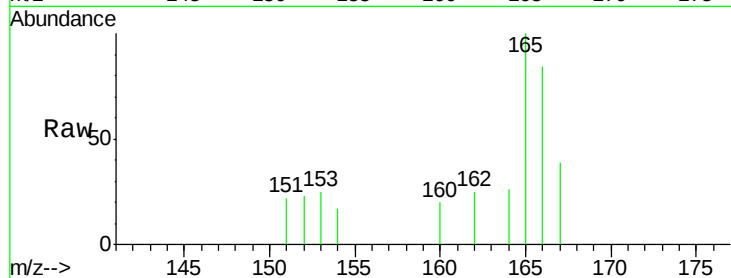
Tgt Ion:166 Resp: 1302

Ion Ratio Lower Upper

166 100

165 119.7 73.4 110.2#

167 46.4 14.6 22.0#



#12

Phenanthrene

Concen: 0.70 ng/ul

RT: 17.11 min Scan# 1026

Delta R.T. -0.03 min

Lab File: BM008220.D

Acq: 10 Dec 2016 00:05

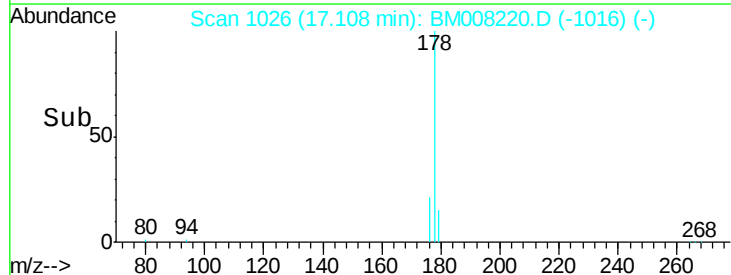
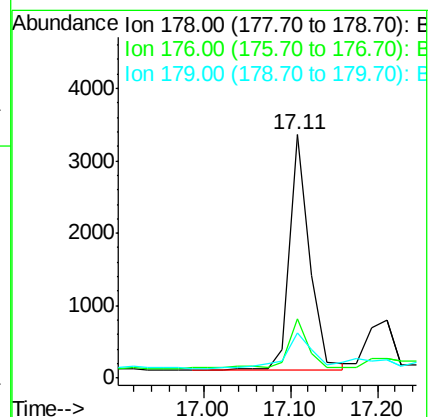
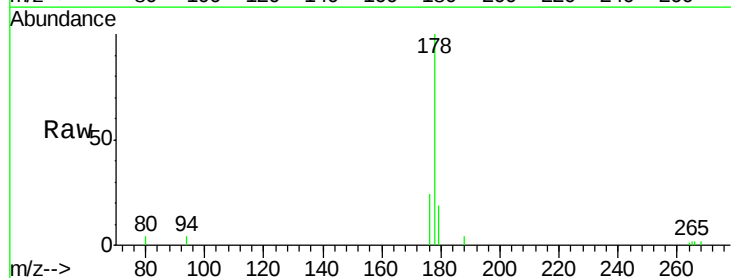
Tgt Ion:178 Resp: 5284

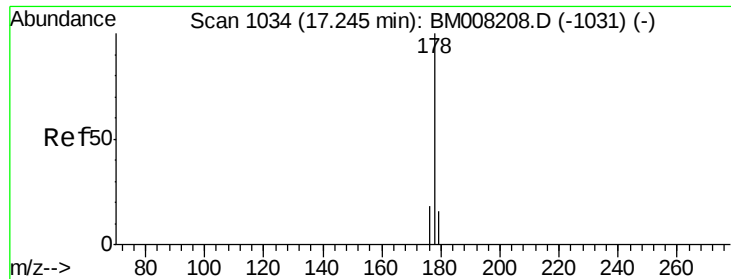
Ion Ratio Lower Upper

178 100

176 24.3 18.4 27.6

179 18.8 13.6 20.4





#13

Anthracene

Concen: 0.72 ng/ul

RT: 17.11 min Scan# 1026

Delta R.T. -0.14 min

Lab File: BM008220.D

Acq: 10 Dec 2016 00:05

Instrument :

BNA_M

ClientSampleId :

DA800

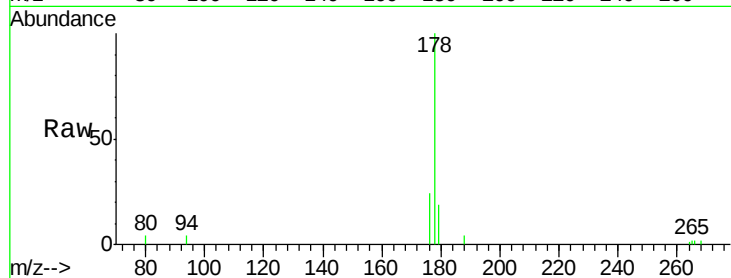
Tgt Ion:178 Resp: 5082

Ion Ratio Lower Upper

178 100

176 24.3 18.1 27.1

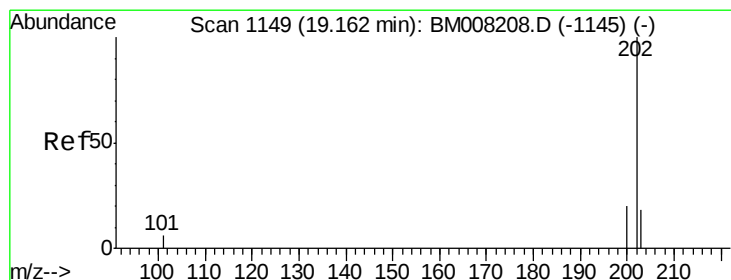
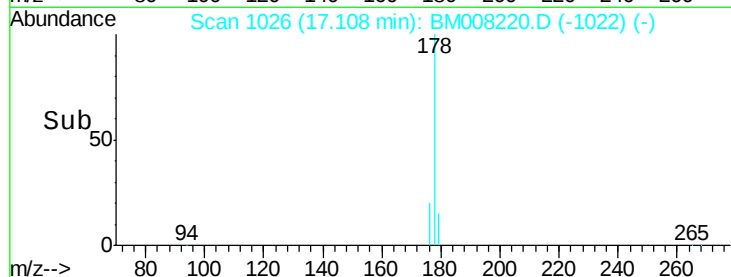
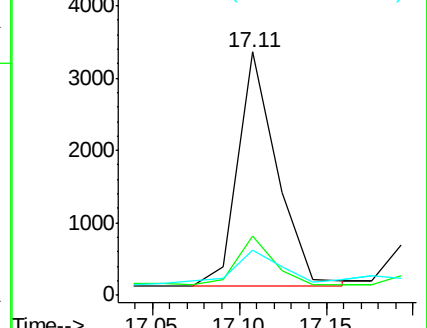
179 18.8 14.7 22.1



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: 0.51 ng/ul

RT: 19.14 min Scan# 1147

Delta R.T. -0.02 min

Lab File: BM008220.D

Acq: 10 Dec 2016 00:05

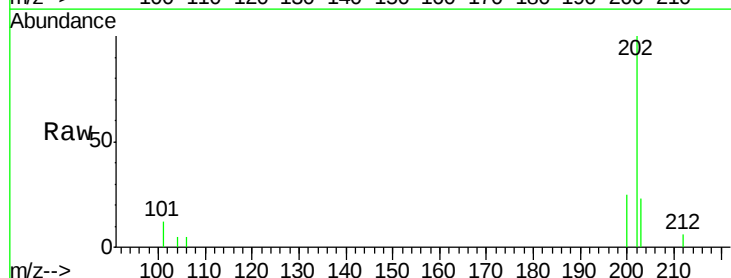
Tgt Ion:202 Resp: 4984

Ion Ratio Lower Upper

202 100

101 12.2 0.0 30.3

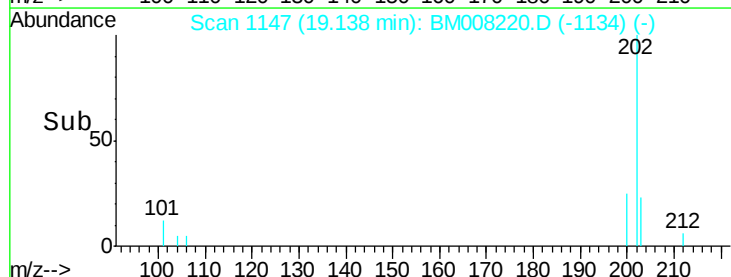
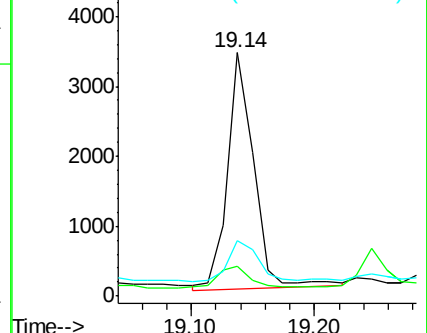
203 23.0 0.0 39.5

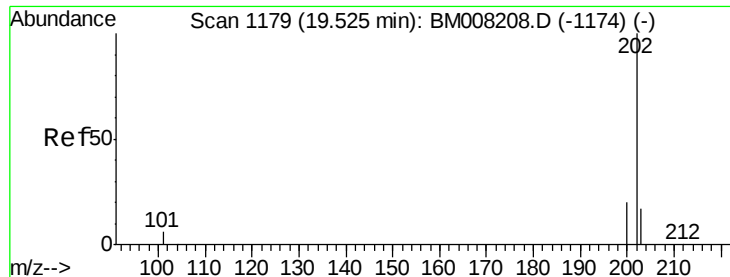


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E

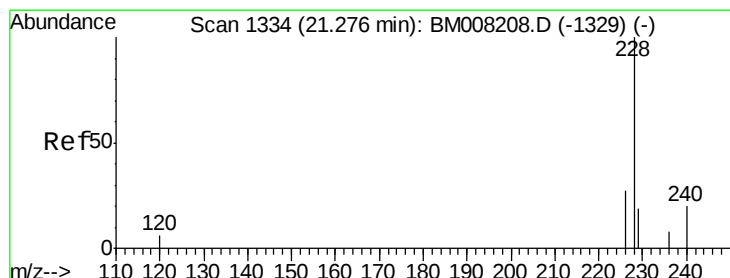
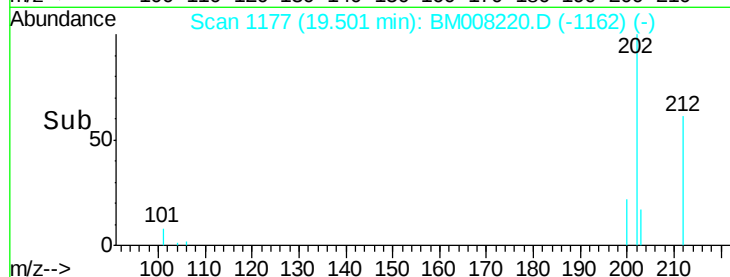
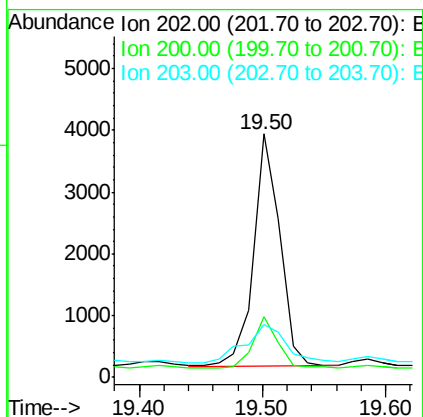
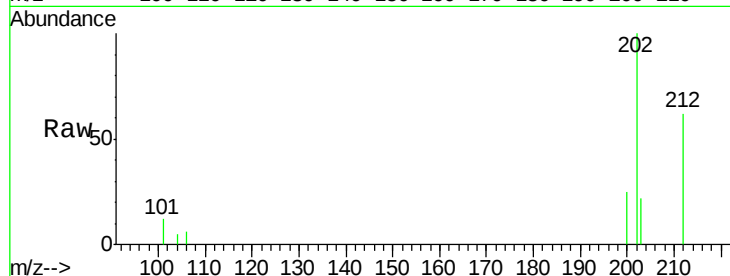




#17
 Pyrene
 Concen: 0.75 ng/u1
 RT: 19.50 min Scan# 1177
 Delta R.T. -0.02 min
 Lab File: BM008220.D
 Acq: 10 Dec 2016 00:05

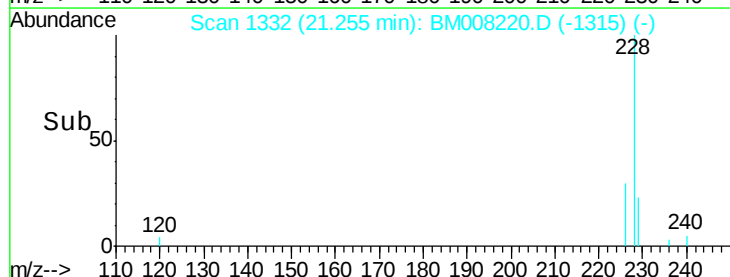
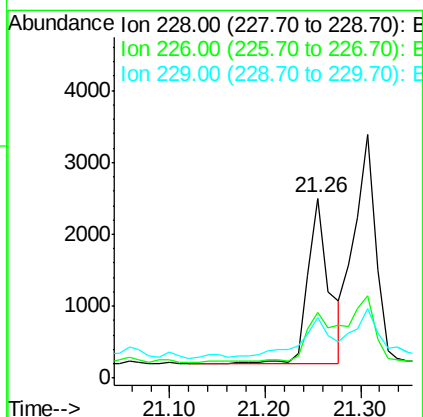
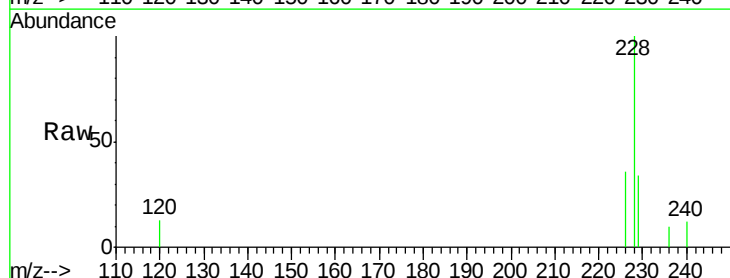
Instrument :
 BNA_M
 ClientSampleId :
 DA800

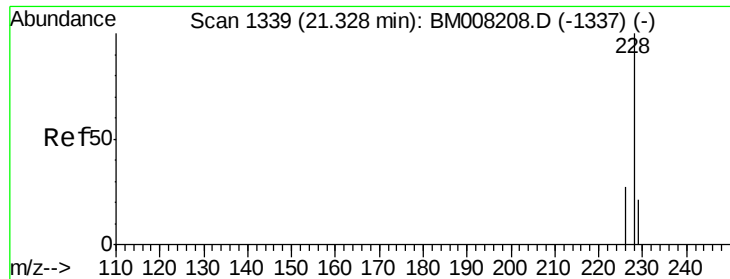
Tgt Ion:202 Resp: 5591
 Ion Ratio Lower Upper
 202 100
 200 24.8 18.2 27.4
 203 22.0 15.6 23.4



#18
 Benzo(a)anthracene
 Concen: 0.55 ng/u1
 RT: 21.26 min Scan# 1332
 Delta R.T. -0.02 min
 Lab File: BM008220.D
 Acq: 10 Dec 2016 00:05

Tgt Ion:228 Resp: 3613
 Ion Ratio Lower Upper
 228 100
 226 36.3 22.8 34.2#
 229 34.0 17.0 25.6#





#19

Chrysene

Concen: 0.61 ng/ul

RT: 21.31 min Scan# 1337

Delta R.T. -0.02 min

Lab File: BM008220.D

Acq: 10 Dec 2016 00:05

Instrument :

BNA_M

ClientSampleId :

DA800

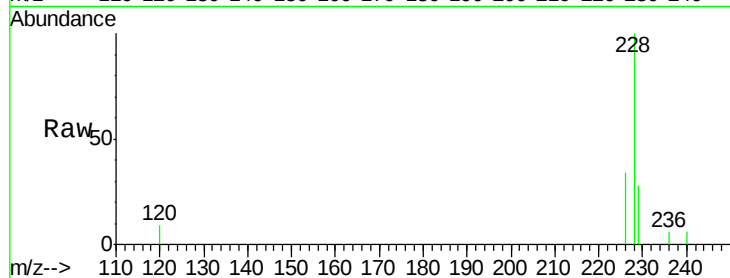
Tgt Ion:228 Resp: 4996

Ion Ratio Lower Upper

228 100

226 33.7 23.4 35.0

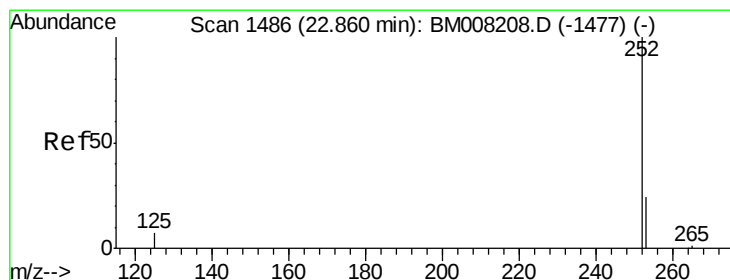
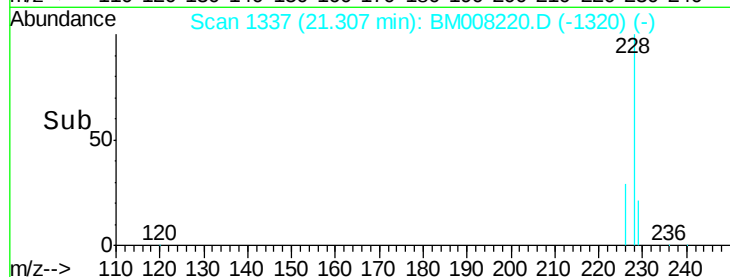
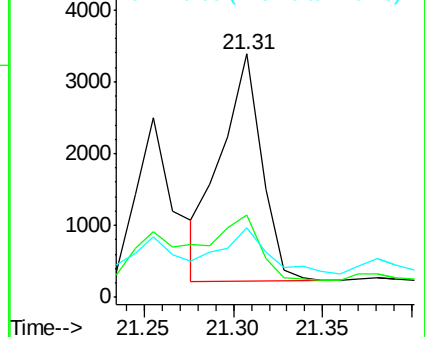
229 28.3 17.7 26.5#



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: 1.46 ng/ul

RT: 22.84 min Scan# 1484

Delta R.T. -0.02 min

Lab File: BM008220.D

Acq: 10 Dec 2016 00:05

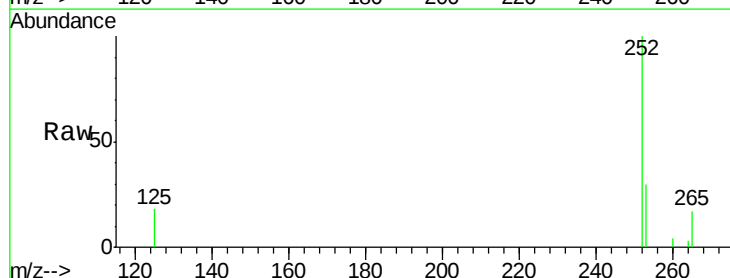
Tgt Ion:252 Resp: 11120

Ion Ratio Lower Upper

252 100

253 30.2 0.0 64.2

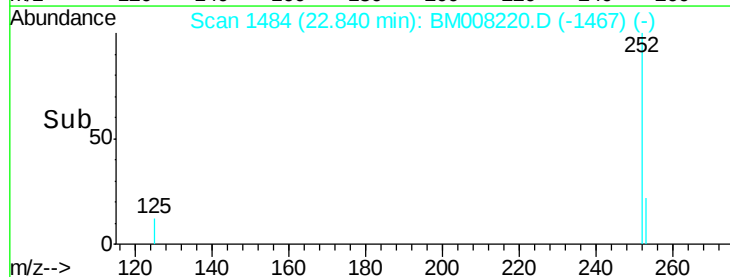
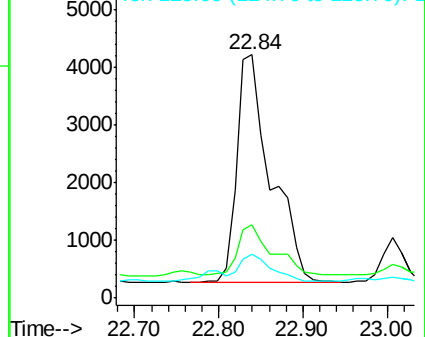
125 18.0 0.0 35.0

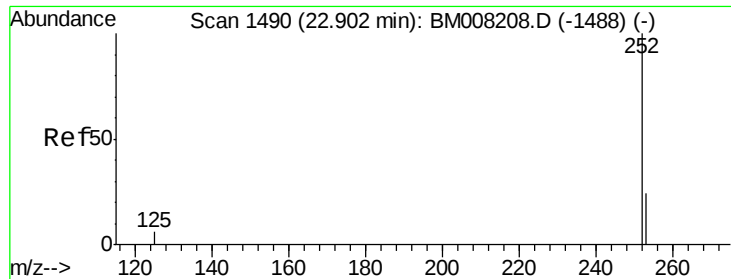


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#22

Benzo(k)fluoranthene

Concen: 1.42 ng/u1

RT: 22.84 min Scan# 1484

Delta R.T. -0.06 min

Lab File: BM008220.D

Acq: 10 Dec 2016 00:05

Instrument :

BNA_M

ClientSampleId :

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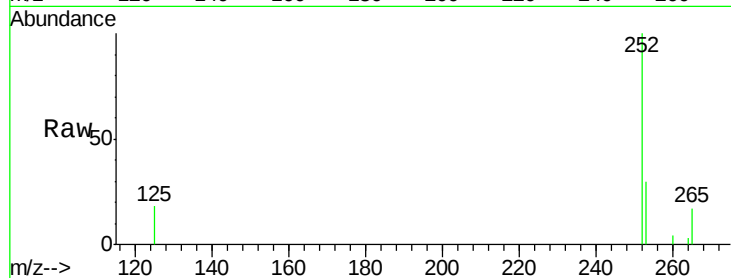
Tgt Ion:252 Resp: 11120

Ion Ratio Lower Upper

252 100

253 30.2 24.5 36.7

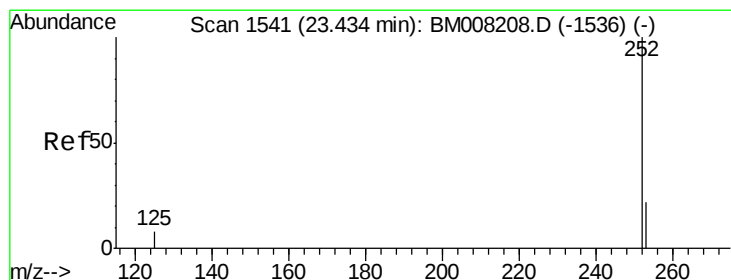
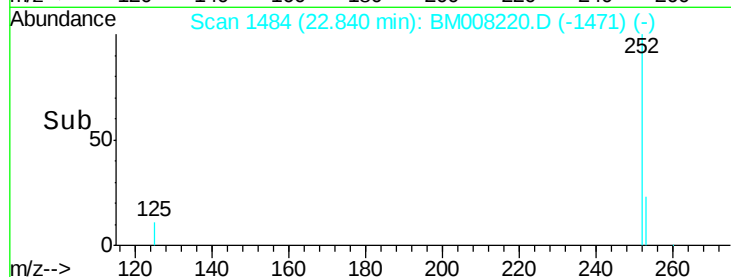
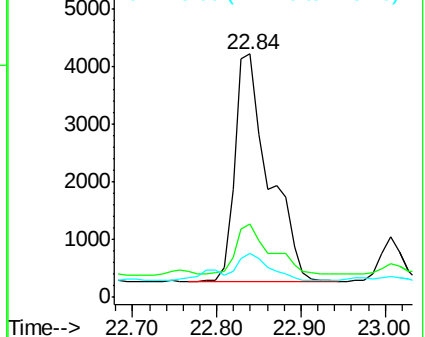
125 18.0 13.7 20.5



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: 1.01 ng/u1

RT: 23.40 min Scan# 1538

Delta R.T. -0.03 min

Lab File: BM008220.D

Acq: 10 Dec 2016 00:05

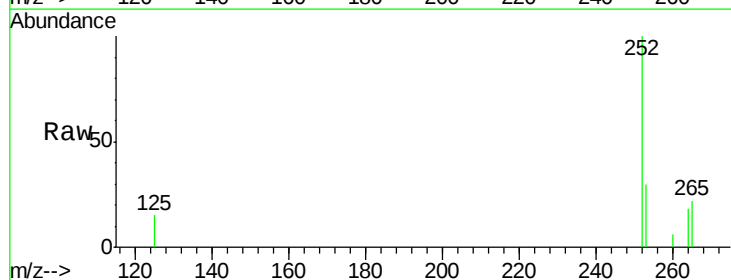
Tgt Ion:252 Resp: 7229

Ion Ratio Lower Upper

252 100

253 30.4 28.5 42.7

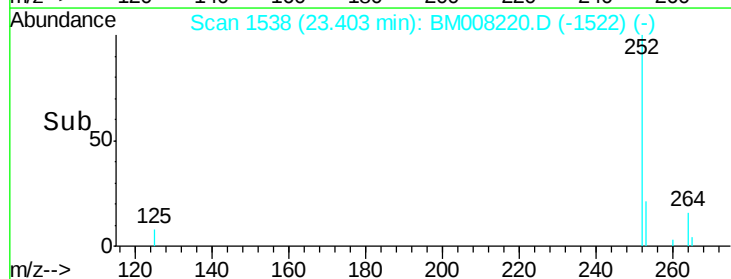
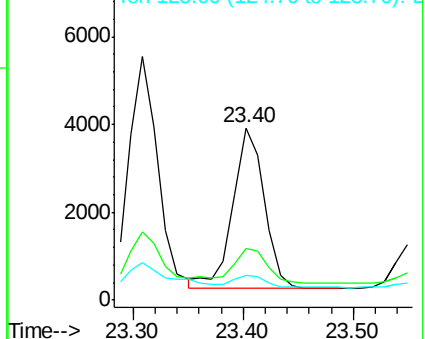
125 14.7 18.1 27.1#

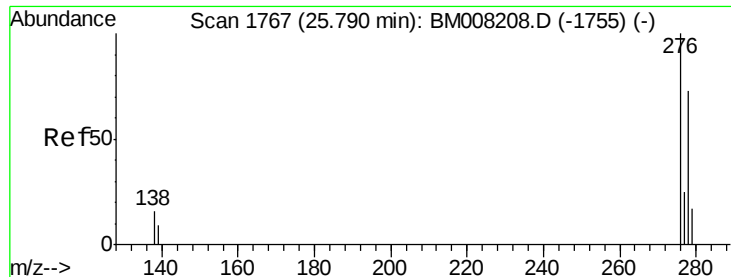


Abundance Ion 252.00 (251.70 to 252.70): E

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: 0.66 ng/ul

RT: 25.75 min Scan# 1763

Delta R.T. -0.04 min

Lab File: BM008220.D

Acq: 10 Dec 2016 00:05

Instrument :

BNA_M

ClientSampleId :

DA800

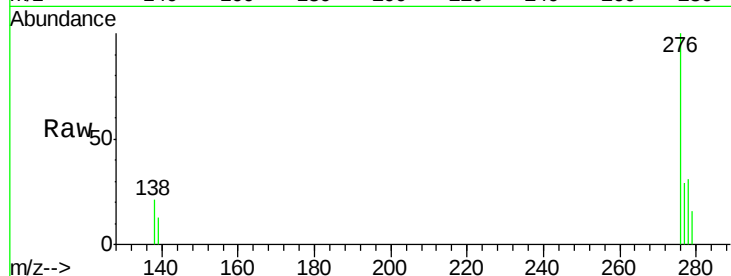
Tgt Ion: 276 Resp: 5853

Ion Ratio Lower Upper

276 100

138 17.1 19.1 28.7#

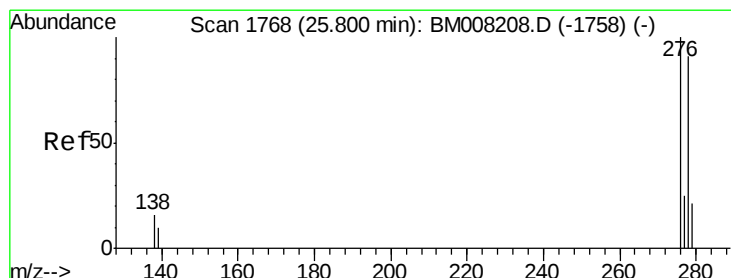
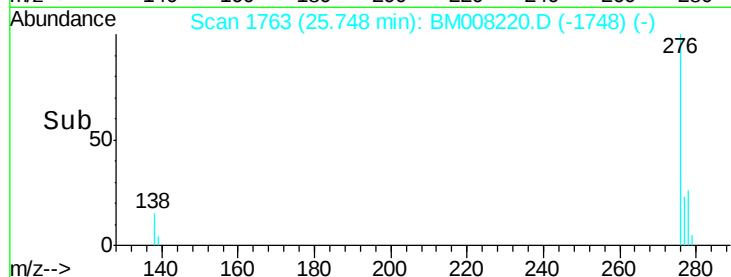
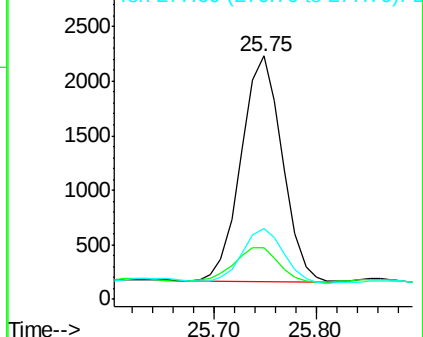
277 24.3 19.6 29.4



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: 0.29 ng/ul

RT: 25.75 min Scan# 1763

Delta R.T. -0.05 min

Lab File: BM008220.D

Acq: 10 Dec 2016 00:05

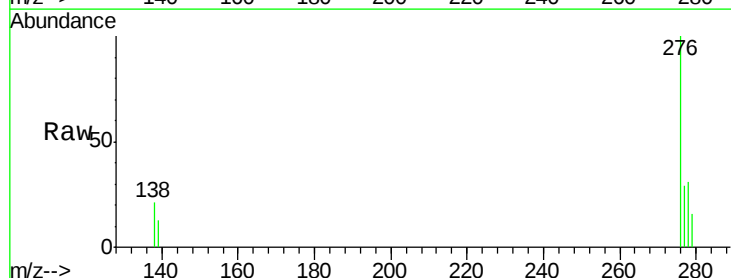
Tgt Ion: 278 Resp: 2073

Ion Ratio Lower Upper

278 100

139 41.1 17.4 26.0#

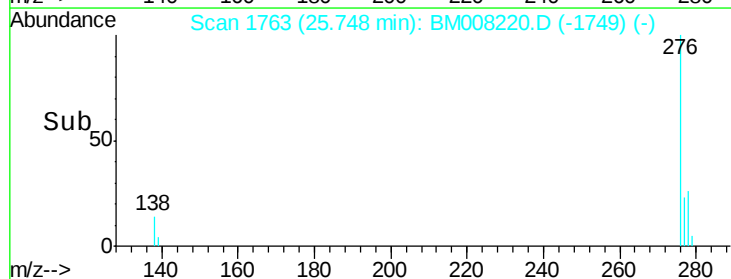
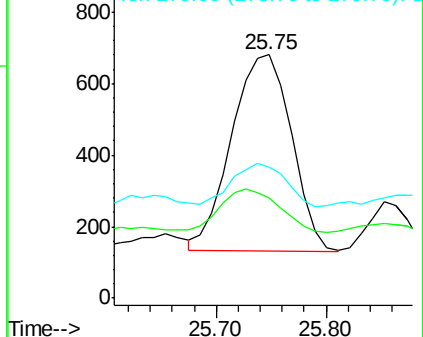
279 54.0 25.9 38.9#

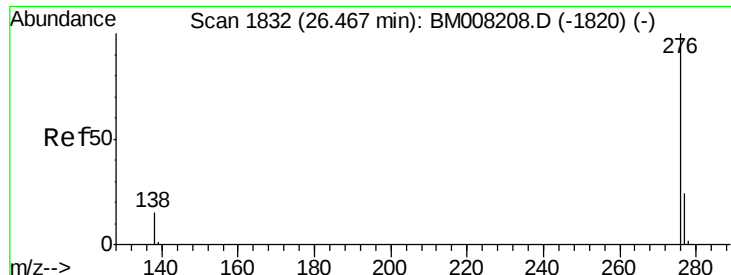


Abundance Ion 278.00 (277.70 to 278.70): E

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: 1.17 ng/ul

RT: 26.44 min Scan# 1829

Delta R.T. -0.03 min

Lab File: BM008220.D

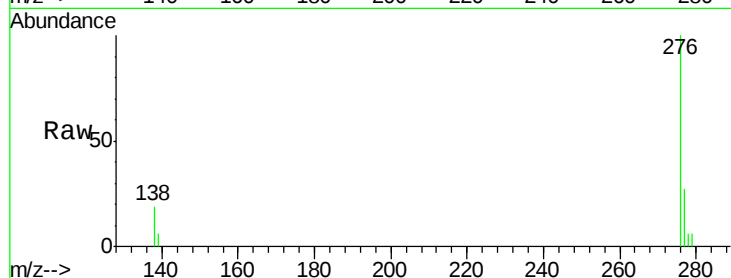
Acq: 10 Dec 2016 00:05

Instrument :

BNA_M

ClientSampleId :

DA800



Tgt Ion: 276 Resp: 9186

Ion Ratio Lower Upper

276 100

277 27.0 21.8 32.8

138 18.9 20.5 30.7#

