

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM112316\
 Data File : BM008052.D
 Acq On : 24 Nov 2016 02:01
 Operator : UM/SJ
 Sample : H5694-02
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 JHSR1

Quant Time: Nov 24 04:13:43 2016
 Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-SIM-BM112116.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Nov 24 04:11:15 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.73	152	554	0.40	ng/ul	-0.02
2) Naphthalene-d8	10.49	136	1859	0.40	ng/ul	-0.02
6) Acenaphthene-d10	14.35	164	1125	0.40	ng/ul	0.00
10) Phenanthrene-d10	17.19	188	113119	0.40	ng/ul	0.09
16) Chrysene-d12	21.53	240	223	0.40	ng/ul	0.23
20) Perylene-d12	23.79	264	839	0.40	ng/ul	0.24

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) 2-Methylnaphthalene-d10	12.11	152	581	0.22	ng/ul	-0.01
14) Fluoranthene-d10	19.22	212	49	0.00	ng/ul	0.07

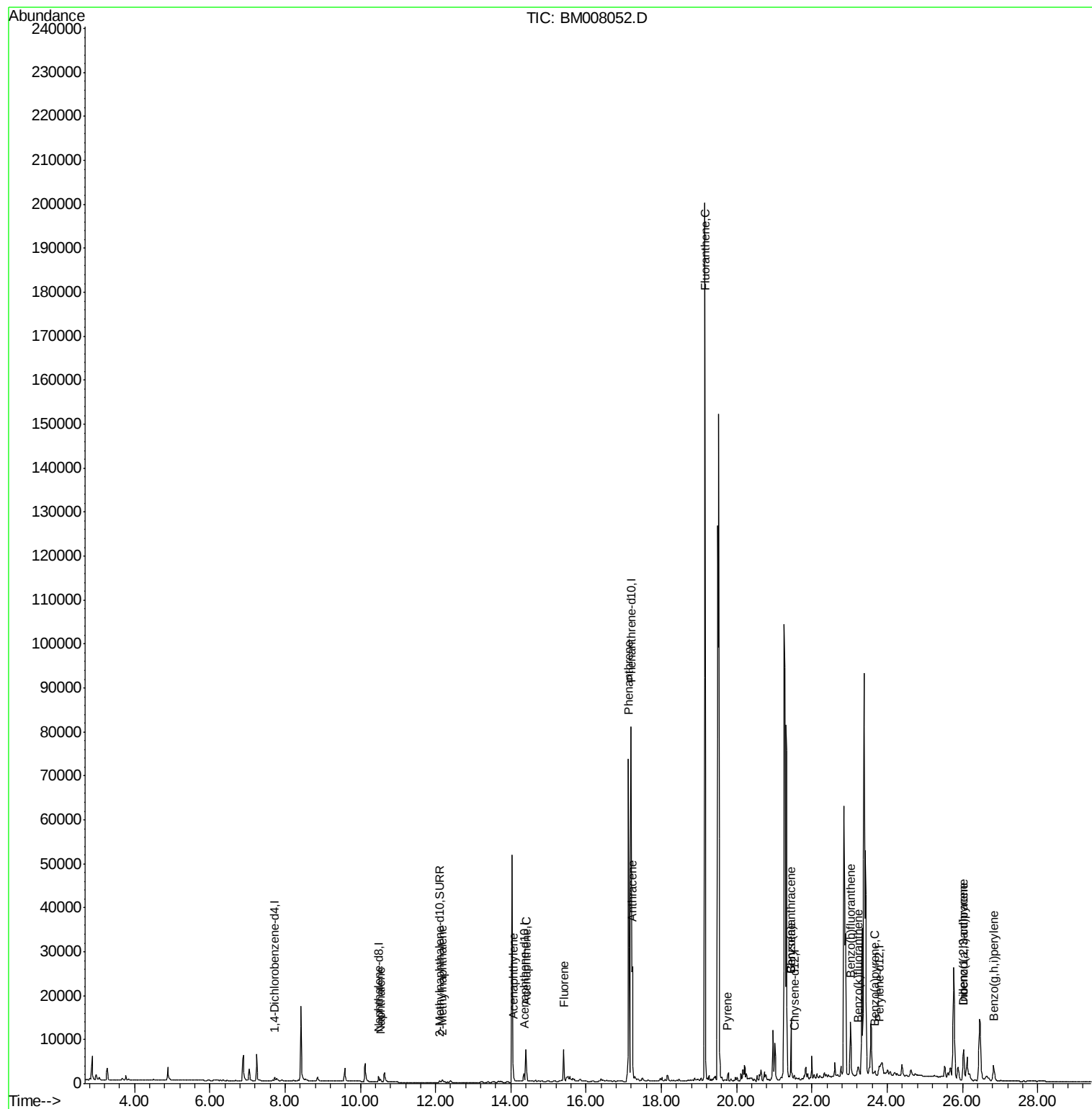
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Naphthalene	10.54	128	1148	0.22	ng/ul#	92
5) 2-Methylnaphthalene	12.18	142	575	0.17	ng/ul	100
7) Acenaphthylene	14.06	152	149	0.03	ng/ul#	26
8) Acenaphthene	14.40	153	4389	1.13	ng/ul	95
9) Fluorene	15.41	166	7064	1.59	ng/ul	94
12) Phenanthrene	17.12	178	84198	0.24	ng/ul	95
13) Anthracene	17.23	178	35796	0.11	ng/ul#	93
15) Fluoranthene	19.16	202	187153	0.41	ng/ul	93
17) Pyrene	19.76	202	817	1.06	ng/ul#	1
18) Benzo(a)anthracene	21.44	228	12093	17.67	ng/ul#	62
19) Chrysene	21.44	228	12093	14.20	ng/ul#	64
21) Benzo(b)fluoranthene	23.02	252	15962	4.77	ng/ul	90
22) Benzo(k)fluoranthene	23.23	252	2392	0.69	ng/ul#	1
23) Benzo(a)pyrene	23.66	252	503	0.16	ng/ul#	12
24) Indeno(1,2,3-cd)pyrene	26.03	276	2921	0.75	ng/ul#	71
25) Dibenzo(a,h)anthracene	26.03	278	10788	3.47	ng/ul#	90
26) Benzo(g,h,i)perylene	26.83	276	7784	2.26	ng/ul	94

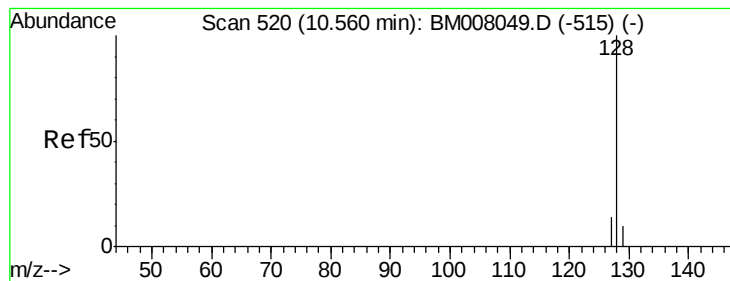
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Naphthalene

Concen: 0.22 ng/ul

RT: 10.54 min Scan# 518

Delta R.T. -0.02 min

Lab File: BM008052.D

Acq: 24 Nov 2016 02:01

Instrument :

BNA_M

ClientSampleId :

JHSR1

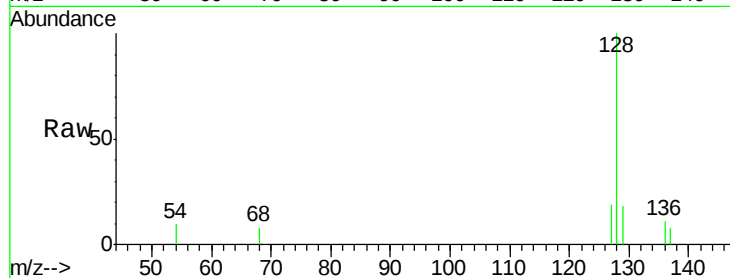
Tgt Ion:128 Resp: 1148

Ion Ratio Lower Upper

128 100

129 17.7 11.3 16.9#

127 19.4 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

10.54

600

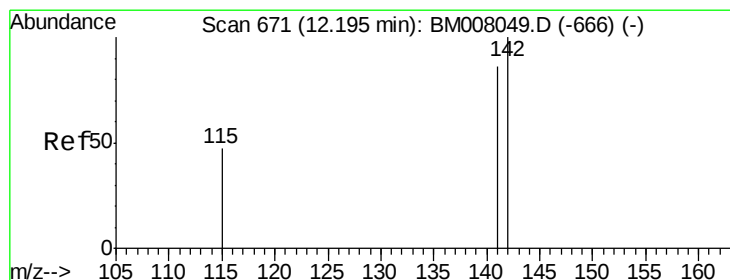
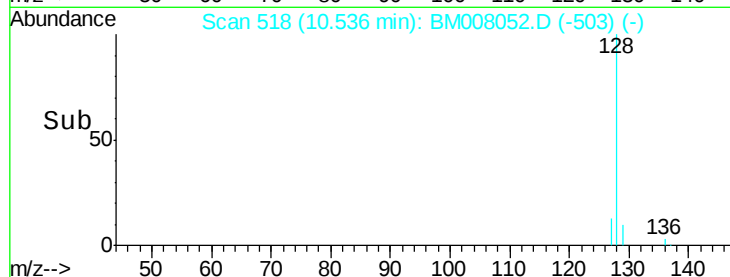
400

200

0

10.50 10.60

Time-->



#5

2-Methylnaphthalene

Concen: 0.17 ng/ul

RT: 12.18 min Scan# 670

Delta R.T. -0.01 min

Lab File: BM008052.D

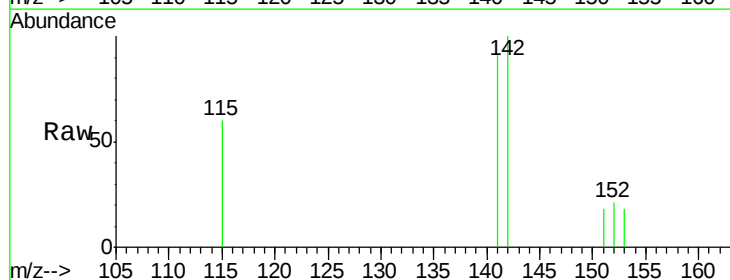
Acq: 24 Nov 2016 02:01

Tgt Ion:142 Resp: 575

Ion Ratio Lower Upper

142 100

141 91.0 72.6 108.8



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

12.18

300

250

200

150

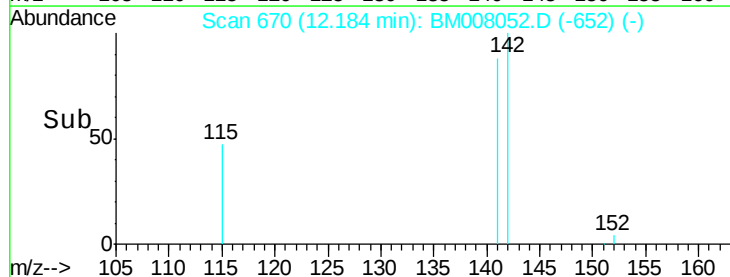
100

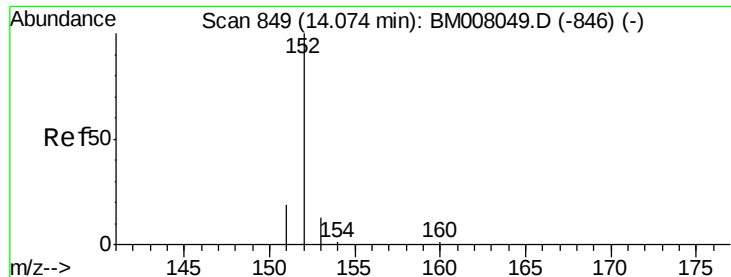
50

0

12.10 12.20 12.30

Time-->





#7

Acenaphthylene

Concen: 0.03 ng/ul

RT: 14.06 min Scan# 848

Delta R.T. -0.02 min

Lab File: BM008052.D

Acq: 24 Nov 2016 02:01

Instrument :

BNA_M

ClientSampled :

JHSR1

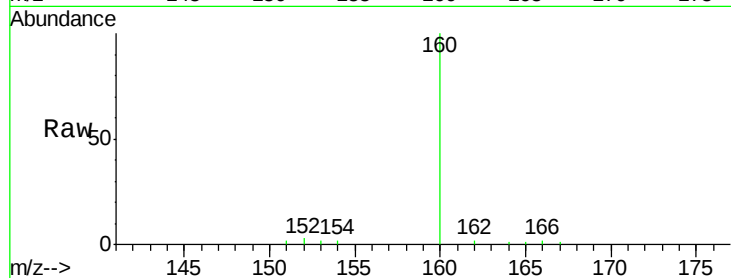
Tgt Ion:152 Resp: 149

Ion Ratio Lower Upper

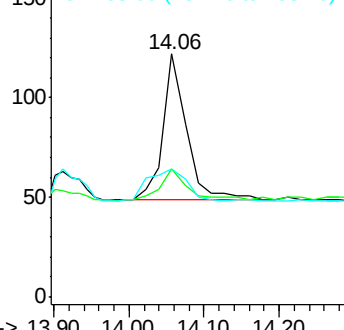
152 100

151 52.5 17.1 25.7#

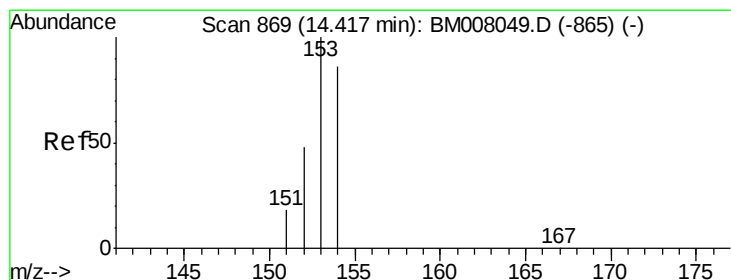
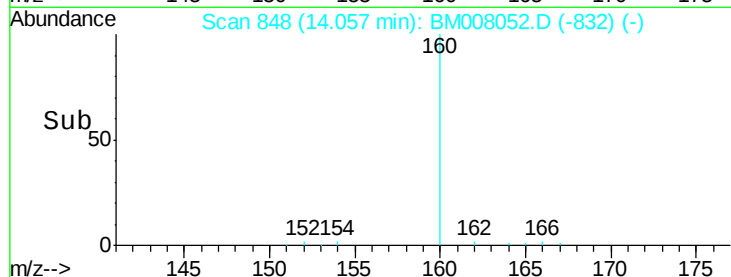
153 52.5 12.8 19.2#



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



Time--> 13.90 14.00 14.10 14.20



#8

Acenaphthene

Concen: 1.13 ng/ul

RT: 14.40 min Scan# 868

Delta R.T. -0.02 min

Lab File: BM008052.D

Acq: 24 Nov 2016 02:01

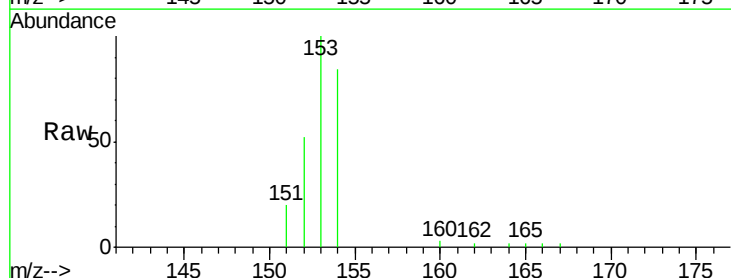
Tgt Ion:153 Resp: 4389

Ion Ratio Lower Upper

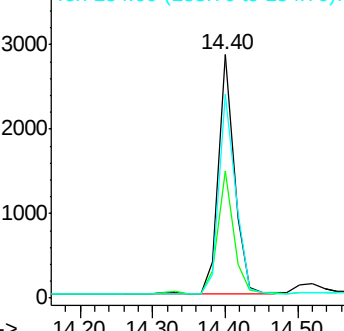
153 100

152 52.2 40.3 60.5

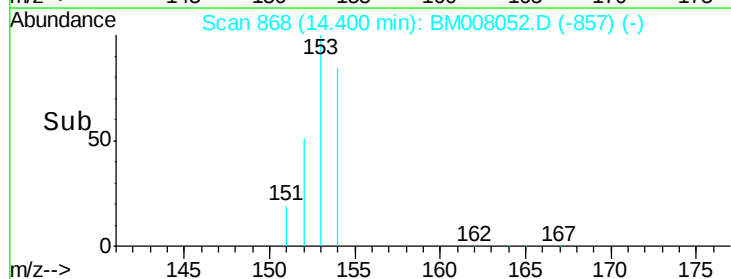
154 83.9 71.4 107.2

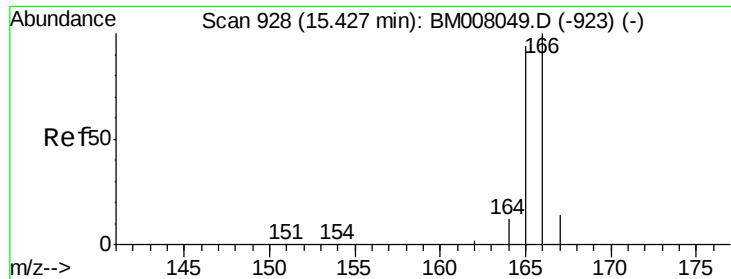


Abundance Ion 153.00 (152.70 to 153.70): E
Ion 152.00 (151.70 to 152.70): E
Ion 154.00 (153.70 to 154.70): E



Time--> 14.20 14.30 14.40 14.50





#9

Fluorene

Concen: 1.59 ng/ul

RT: 15.41 min Scan# 927

Delta R.T. -0.02 min

Lab File: BM008052.D

Acq: 24 Nov 2016 02:01

Instrument :

BNA_M

ClientSampleId :

JHSR1

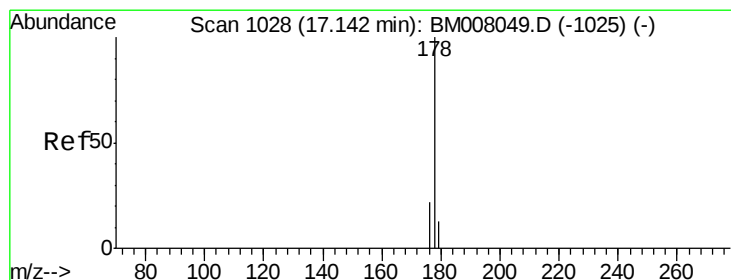
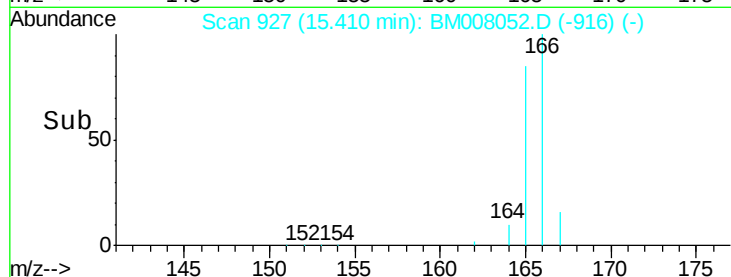
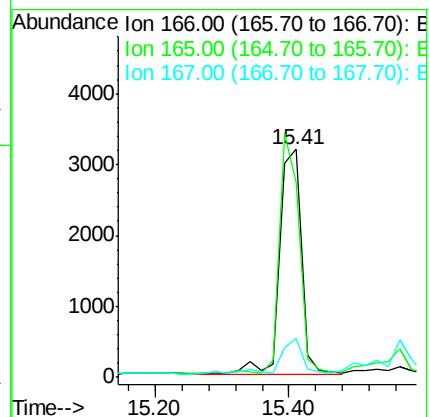
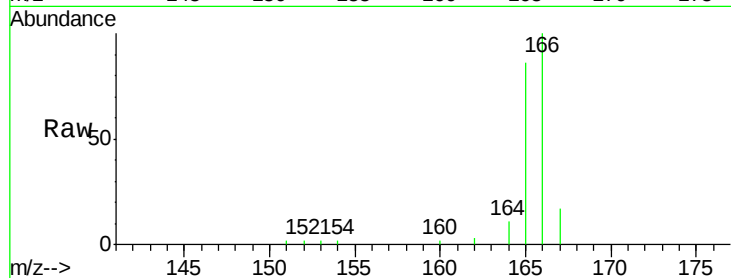
Tgt Ion:166 Resp: 7064

Ion Ratio Lower Upper

166 100

165 85.6 73.4 110.2

167 17.1 14.6 22.0



#12

Phenanthrene

Concen: 0.24 ng/ul

RT: 17.12 min Scan# 1027

Delta R.T. -0.02 min

Lab File: BM008052.D

Acq: 24 Nov 2016 02:01

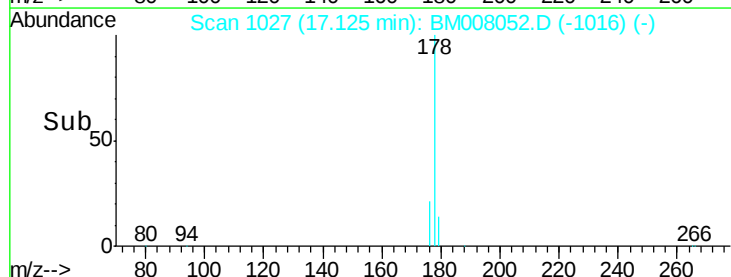
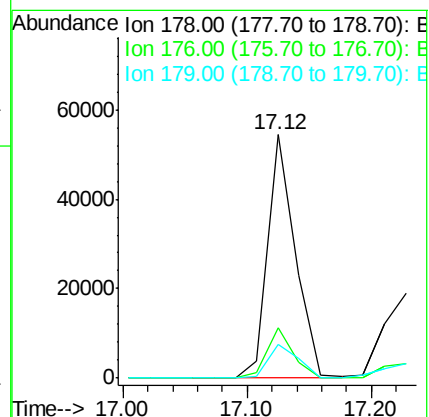
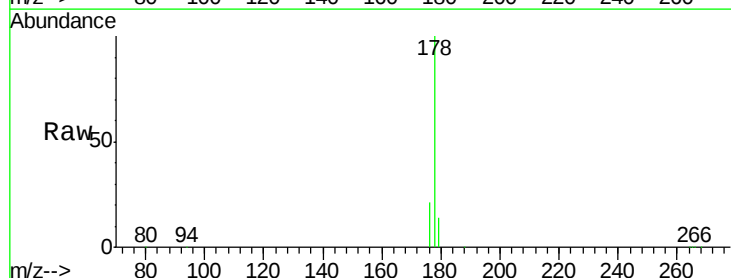
Tgt Ion:178 Resp: 84198

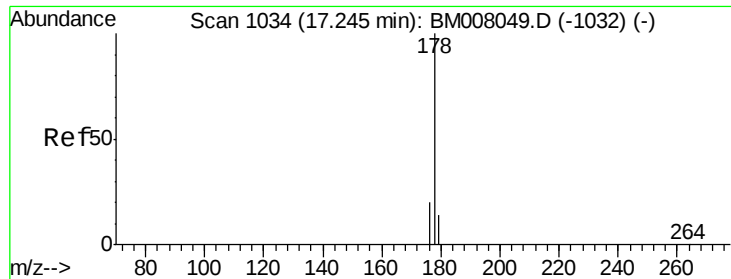
Ion Ratio Lower Upper

178 100

176 20.9 18.4 27.6

179 14.1 13.6 20.4





#13

Anthracene

Concen: 0.11 ng/ul

RT: 17.23 min Scan# 1033

Delta R.T. -0.02 min

Lab File: BM008052.D

Acq: 24 Nov 2016 02:01

Instrument :

BNA_M

ClientSampleId :

JHSR1

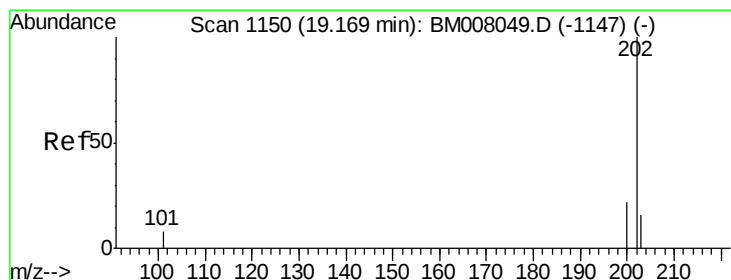
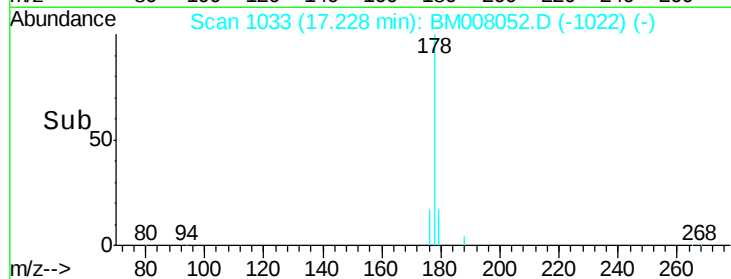
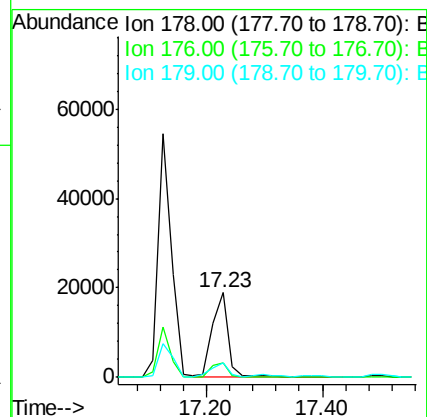
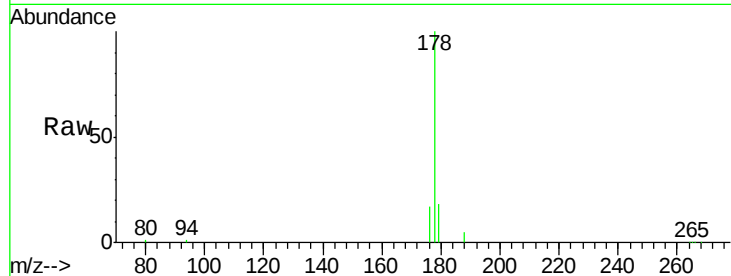
Tgt Ion:178 Resp: 35796

Ion Ratio Lower Upper

178 100

176 17.2 18.1 27.1#

179 17.6 14.7 22.1



#15

Fluoranthene

Concen: 0.41 ng/ul

RT: 19.16 min Scan# 1149

Delta R.T. -0.01 min

Lab File: BM008052.D

Acq: 24 Nov 2016 02:01

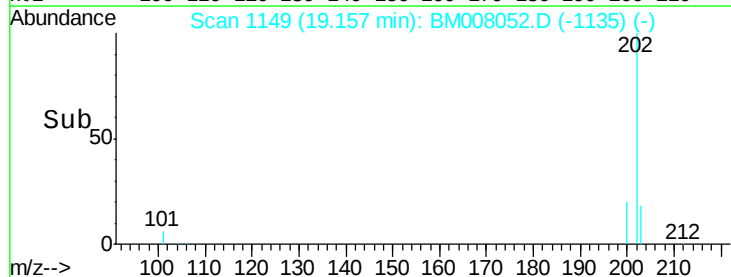
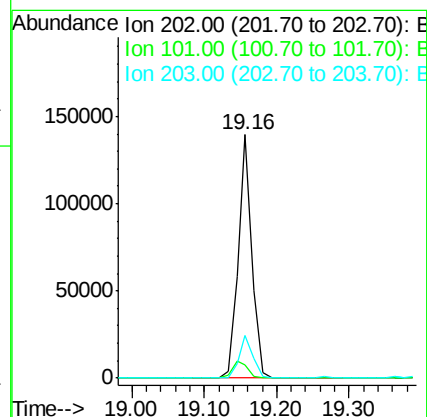
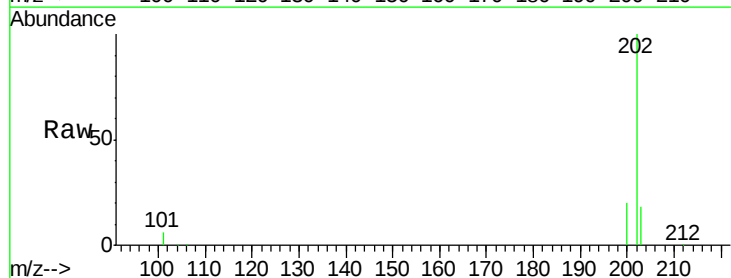
Tgt Ion:202 Resp: 187153

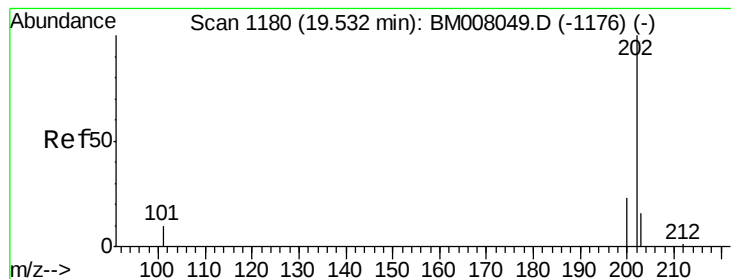
Ion Ratio Lower Upper

202 100

101 5.6 0.0 30.3

203 17.6 0.0 39.5





#17

Pyrene

Concen: 1.06 ng/ul

RT: 19.76 min Scan# 1199

Delta R.T. 0.23 min

Lab File: BM008052.D

Acq: 24 Nov 2016 02:01

Instrument :

BNA_M

ClientSampleId :

JHSR1

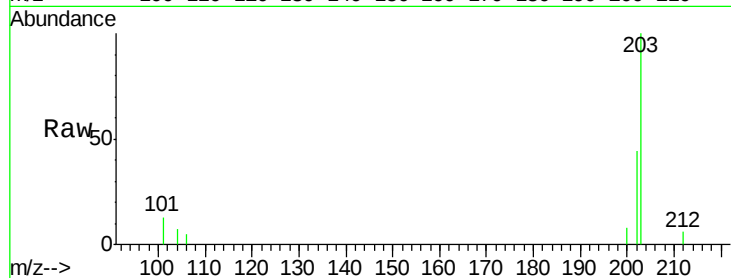
Tgt Ion:202 Resp: 817

Ion Ratio Lower Upper

202 100

200 19.1 18.2 27.4

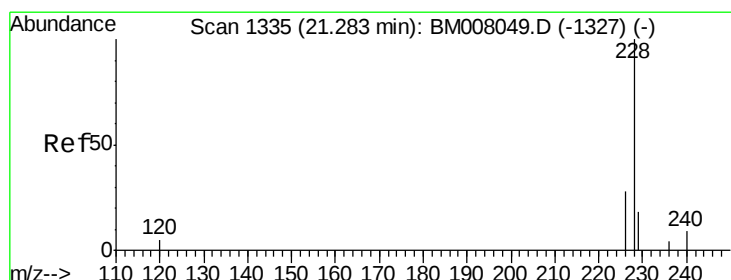
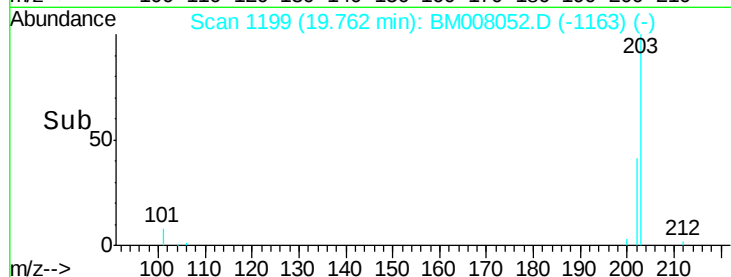
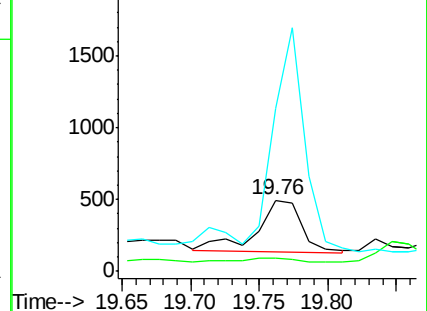
203 228.4 15.6 23.4#



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: 17.67 ng/ul

RT: 21.44 min Scan# 1350

Delta R.T. 0.16 min

Lab File: BM008052.D

Acq: 24 Nov 2016 02:01

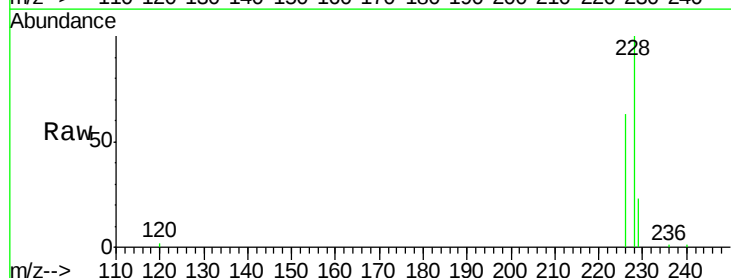
Tgt Ion:228 Resp: 12093

Ion Ratio Lower Upper

228 100

226 62.7 22.8 34.2#

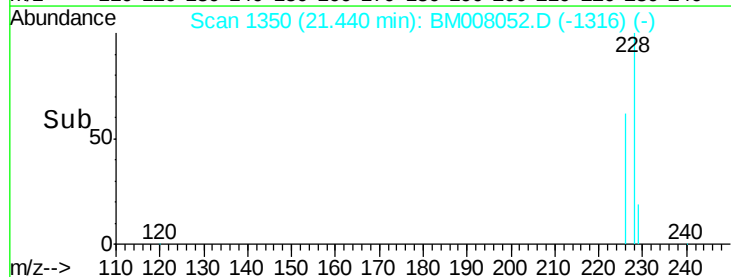
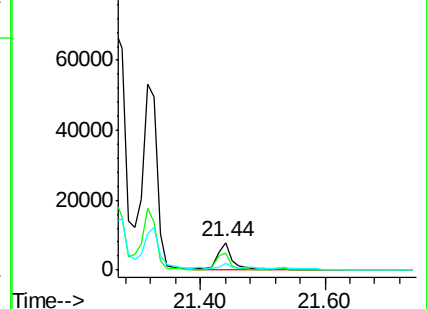
229 22.8 17.0 25.6

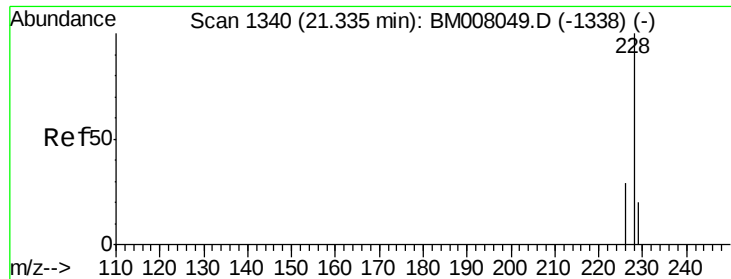


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#19

Chrysene

Concen: 14.20 ng/u1

RT: 21.44 min Scan# 1350

Delta R.T. 0.10 min

Lab File: BM008052.D

Acq: 24 Nov 2016 02:01

Instrument :

BNA_M

ClientSampleId :

JHSR1

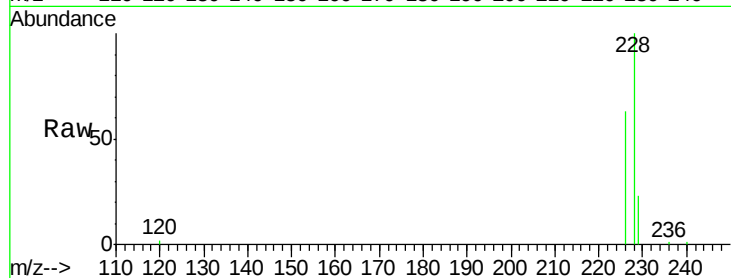
Tgt Ion:228 Resp: 12093

Ion Ratio Lower Upper

228 100

226 62.7 23.4 35.0#

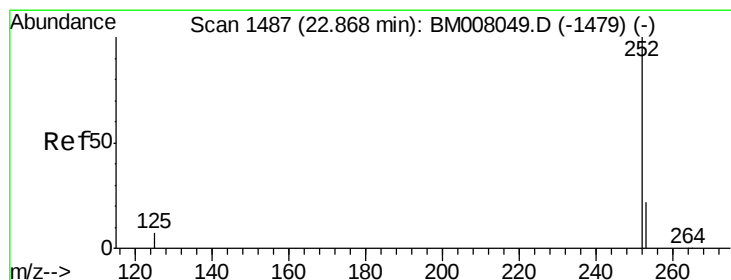
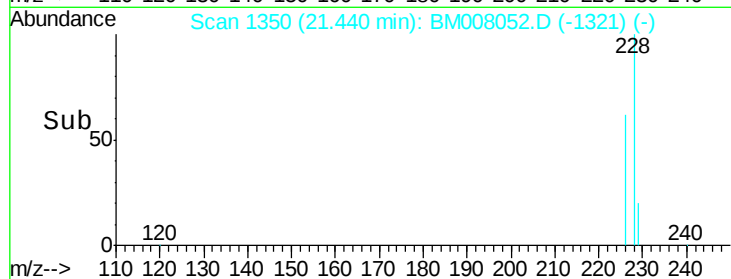
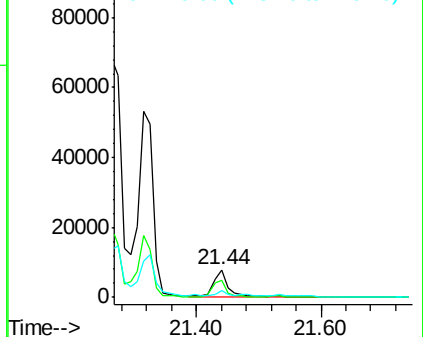
229 22.8 17.7 26.5



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: 4.77 ng/u1

RT: 23.02 min Scan# 1502

Delta R.T. 0.16 min

Lab File: BM008052.D

Acq: 24 Nov 2016 02:01

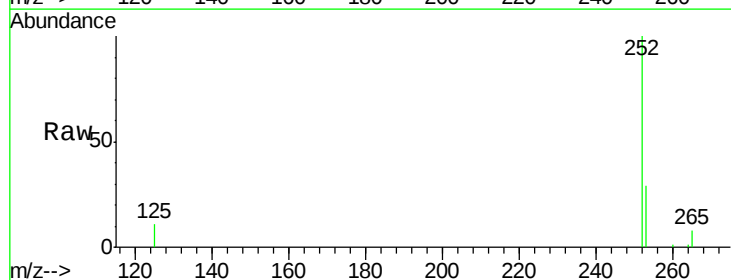
Tgt Ion:252 Resp: 15962

Ion Ratio Lower Upper

252 100

253 28.6 0.0 64.2

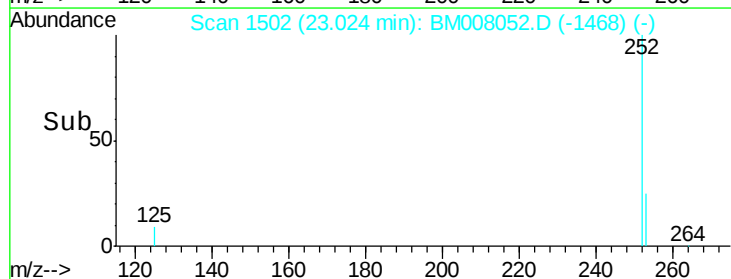
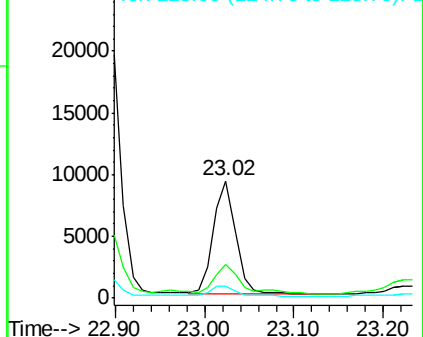
125 10.6 0.0 35.0

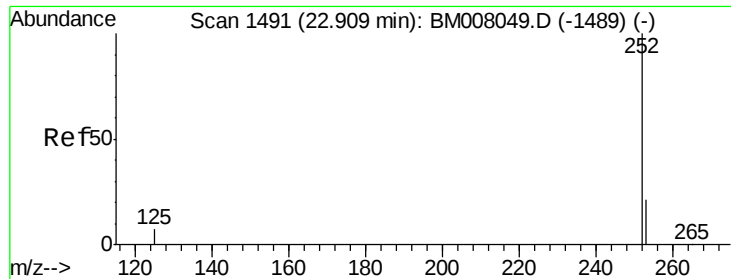


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

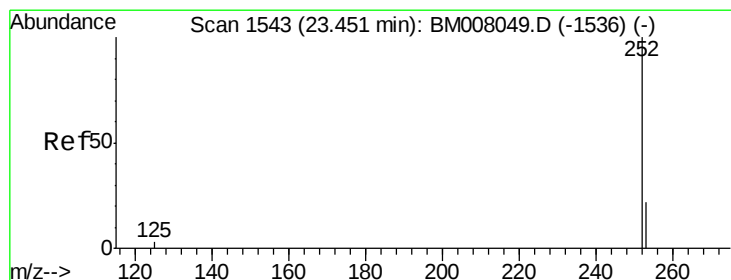
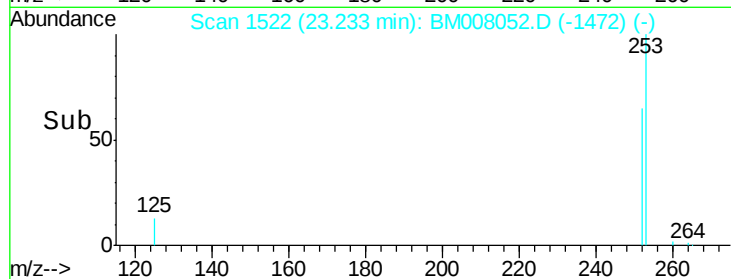
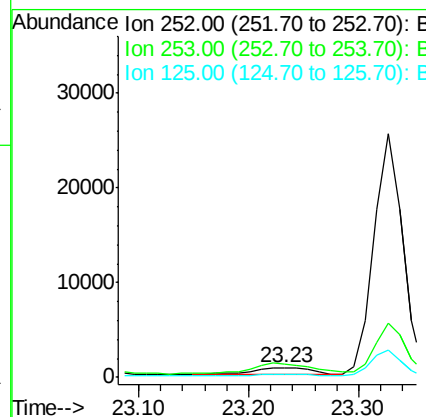
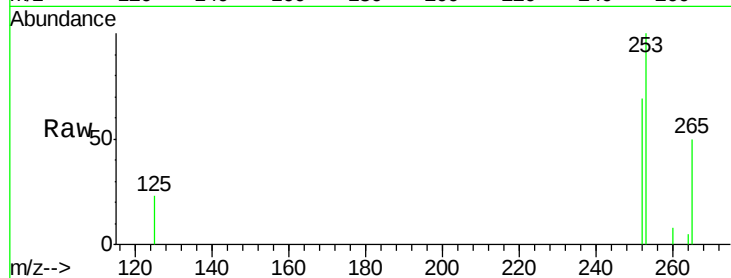




#22
Benzo(k)fluoranthene
Concen: 0.69 ng/u1
RT: 23.23 min Scan# 1522
Delta R.T. 0.32 min
Lab File: BM008052.D
Acq: 24 Nov 2016 02:01

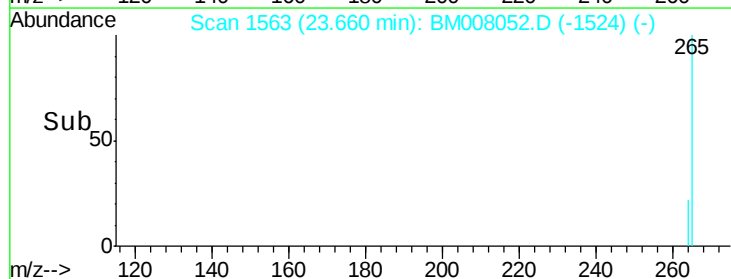
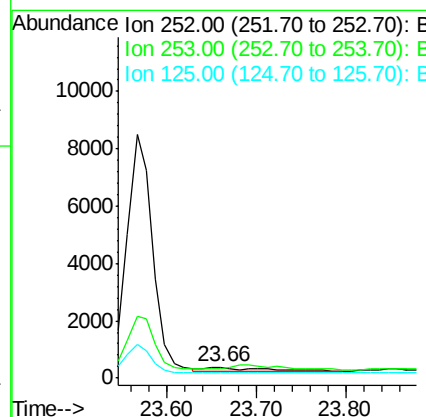
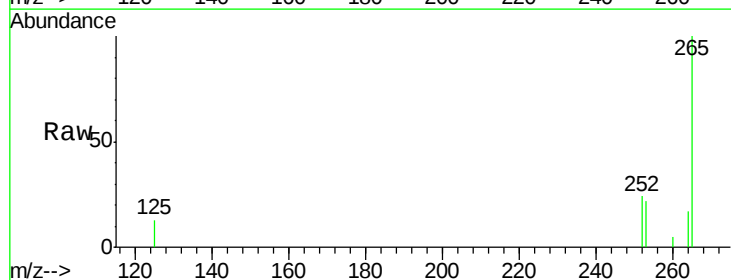
Instrument :
BNA_M
ClientSampleId :
JHSR1

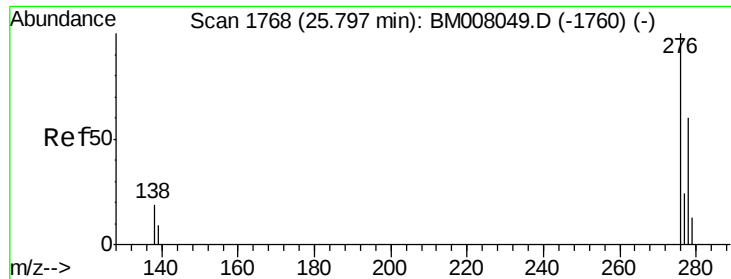
Tgt Ion:252 Resp: 2392
Ion Ratio Lower Upper
252 100
253 144.6 24.5 36.7#
125 32.6 13.7 20.5#



#23
Benzo(a)pyrene
Concen: 0.16 ng/u1
RT: 23.66 min Scan# 1563
Delta R.T. 0.21 min
Lab File: BM008052.D
Acq: 24 Nov 2016 02:01

Tgt Ion:252 Resp: 503
Ion Ratio Lower Upper
252 100
253 93.8 28.5 42.7#
125 56.2 18.1 27.1#





#24

Indeno(1,2,3-cd)pyrene

Concen: 0.75 ng/ul

RT: 26.03 min Scan# 1790

Delta R.T. 0.23 min

Lab File: BM008052.D

Acq: 24 Nov 2016 02:01

Instrument :

BNA_M

ClientSampleId :

JHSR1

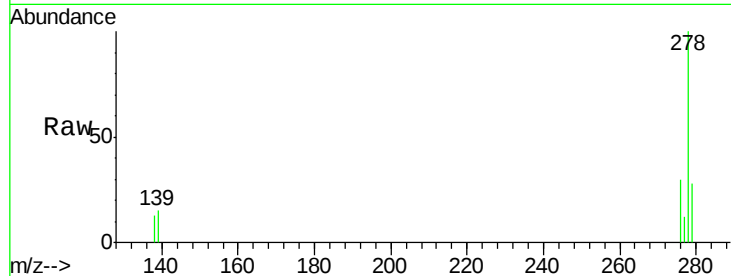
Tgt Ion:276 Resp: 2921

Ion Ratio Lower Upper

276 100

138 40.7 19.1 28.7#

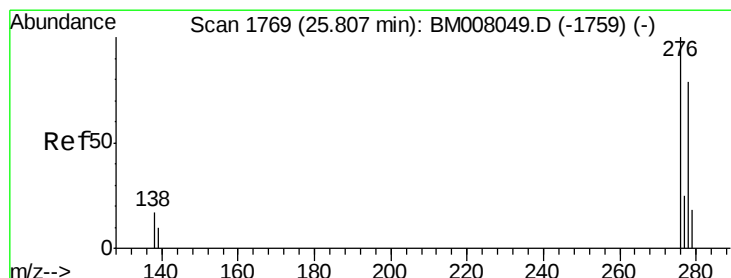
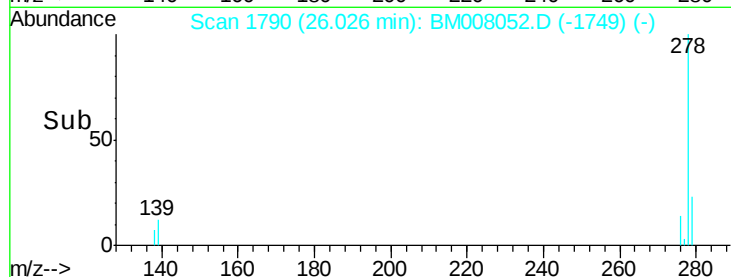
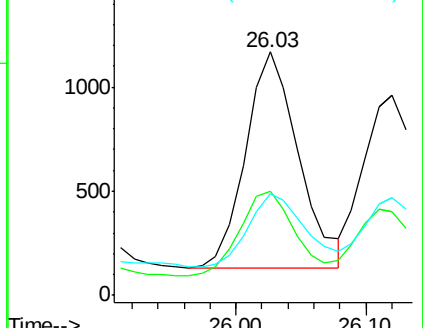
277 36.8 19.6 29.4#



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: 3.47 ng/ul

RT: 26.03 min Scan# 1790

Delta R.T. 0.22 min

Lab File: BM008052.D

Acq: 24 Nov 2016 02:01

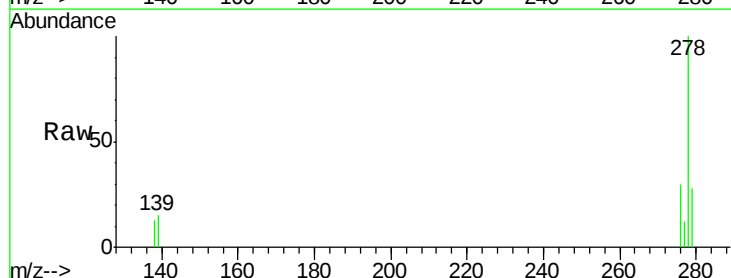
Tgt Ion:278 Resp: 10788

Ion Ratio Lower Upper

278 100

139 14.9 17.4 26.0#

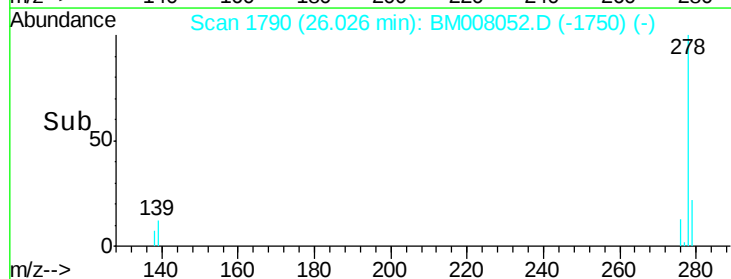
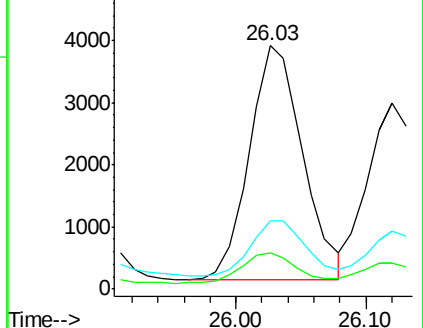
279 28.1 25.9 38.9

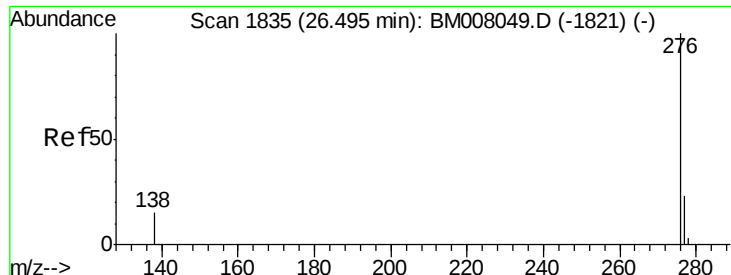


Abundance Ion 278.00 (277.70 to 278.70): E

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: 2.26 ng/ul

RT: 26.83 min Scan# 1867

Delta R.T. 0.33 min

Lab File: BM008052.D

Acq: 24 Nov 2016 02:01

Instrument :

BNA_M

ClientSampleId :

JHSR1

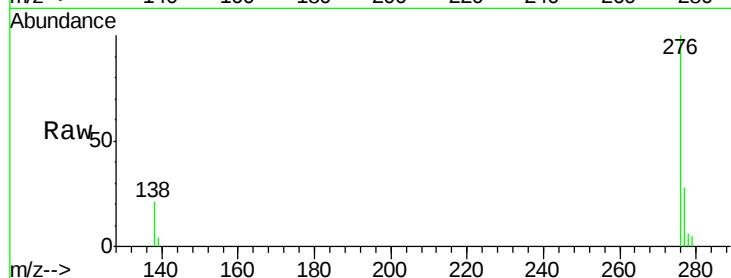
Tgt Ion: 276 Resp: 7784

Ion Ratio Lower Upper

276 100

277 28.2 21.8 32.8

138 20.6 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

