

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM112316\
 Data File : BM008036.D
 Acq On : 23 Nov 2016 16:28
 Operator : UM/SJ
 Sample : H5695-11DL 5X
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 JHST6DL

Quant Time: Nov 24 02:58:42 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 02:56:32 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.73	152	494	0.40	ng/ul	-0.02
2) Naphthalene-d8	10.51	136	1629	0.40	ng/ul	0.00
6) Acenaphthene-d10	14.35	164	980	0.40	ng/ul	0.00
10) Phenanthrene-d10	17.11	188	1923	0.40	ng/ul	0.00
16) Chrysene-d12	21.30	240	1971	0.40	ng/ul	0.00
20) Perylene-d12	23.54	264	1915	0.40	ng/ul	0.00

System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	12.14	152	91	0.04	ng/ul	0.03
14) Fluoranthene-d10	19.14	212	213	0.04	ng/ul	0.00

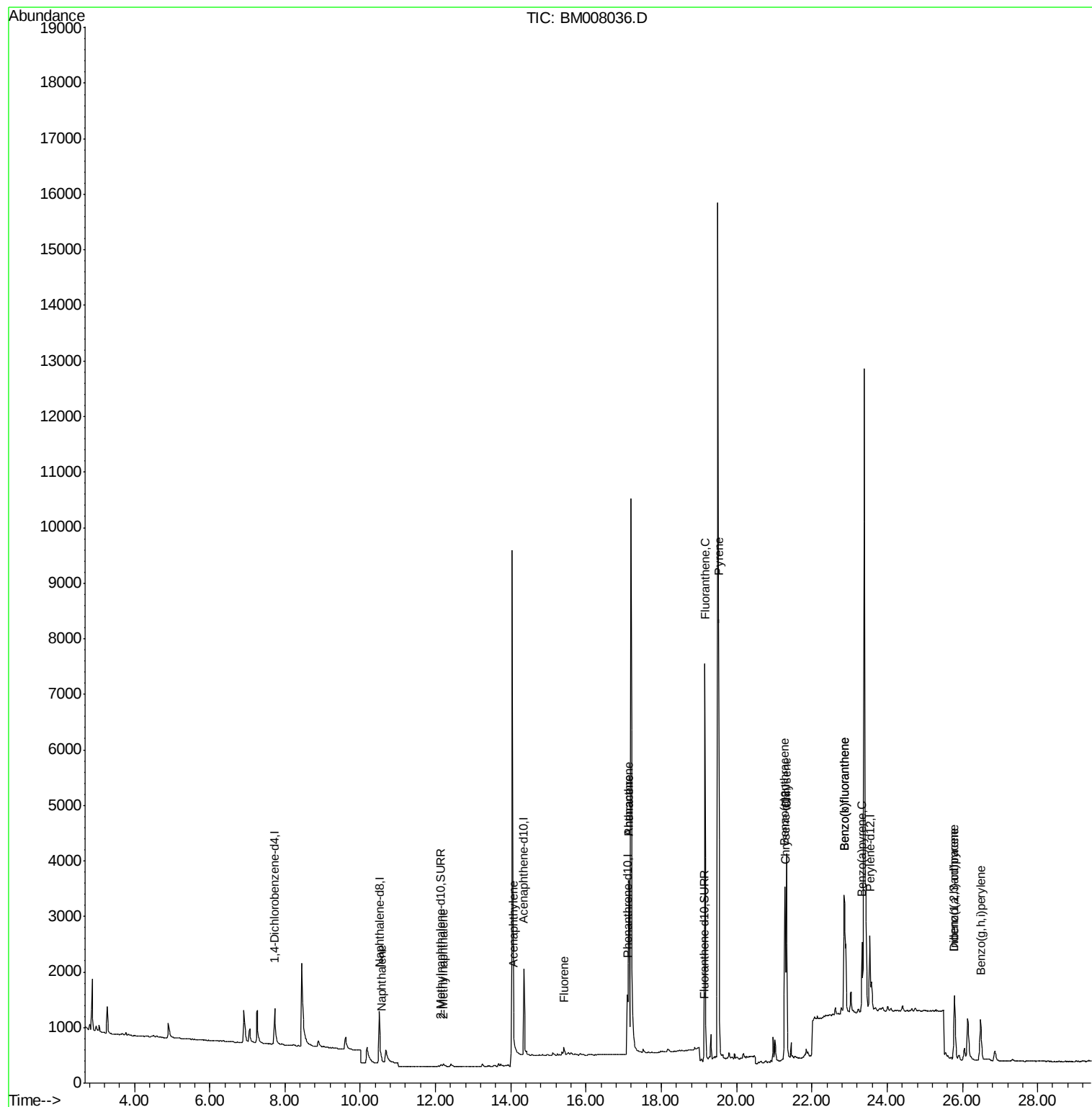
Target Compounds				Qvalue		
3) Naphthalene	10.56	128	177	0.04	ng/ul#	24
5) 2-Methylnaphthalene	12.21	142	61	0.02	ng/ul	96
7) Acenaphthylene	14.07	152	405	0.09	ng/ul#	62
9) Fluorene	15.41	166	128	0.03	ng/ul#	75
12) Phenanthrene	17.14	178	4019	0.67	ng/ul	95
13) Anthracene	17.14	178	4010	0.71	ng/ul	96
15) Fluoranthene	19.16	202	7420	0.96	ng/ul	95
17) Pyrene	19.52	202	7615	1.11	ng/ul	98
18) Benzo(a)anthracene	21.28	228	2774	0.46	ng/ul	94
19) Chrysene	21.33	228	3666	0.49	ng/ul	95
21) Benzo(b)fluoranthene	22.86	252	5395	0.71	ng/ul	99
22) Benzo(k)fluoranthene	22.86	252	5395	0.68	ng/ul	98
23) Benzo(a)pyrene	23.33	252	1969	0.28	ng/ul	96
24) Indeno(1,2,3-cd)pyrene	25.79	276	2047	0.23	ng/ul#	91
25) Dibenzo(a,h)anthracene	25.79	278	458	0.06	ng/ul#	40
26) Benzo(g,h,i)perylene	26.49	276	1696	0.22	ng/ul#	94

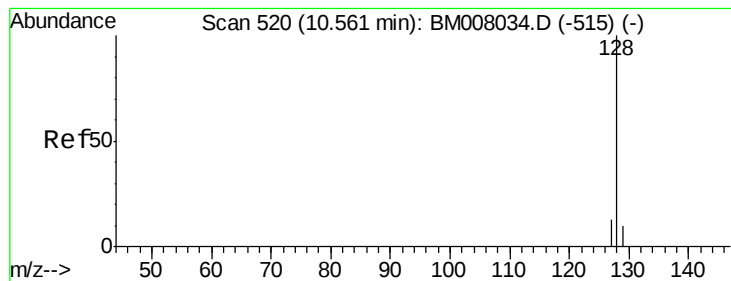
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Naphthalene

Concen: 0.04 ng/ul

RT: 10.56 min Scan# 520

Delta R.T. -0.00 min

Lab File: BM008036.D

Acq: 23 Nov 2016 16:28

Instrument :

BNA_M

ClientSampleId :

JHST6DL

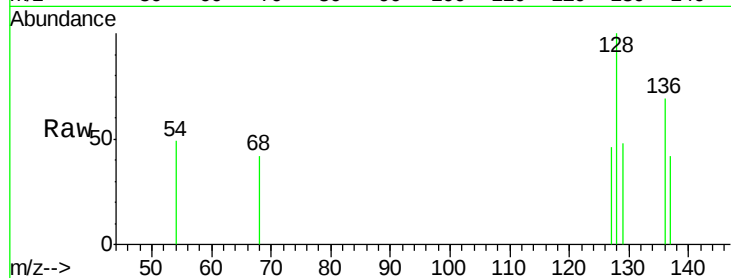
Tgt Ion:128 Resp: 177

Ion Ratio Lower Upper

128 100

129 48.0 11.3 16.9#

127 45.6 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

10.56

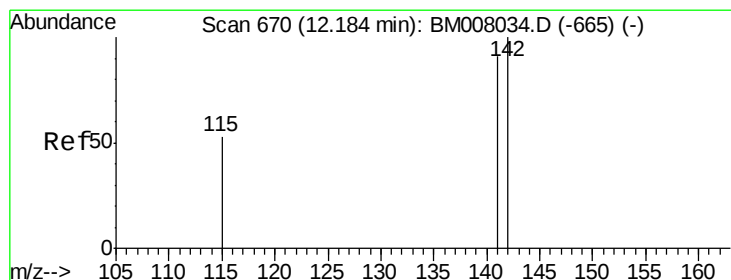
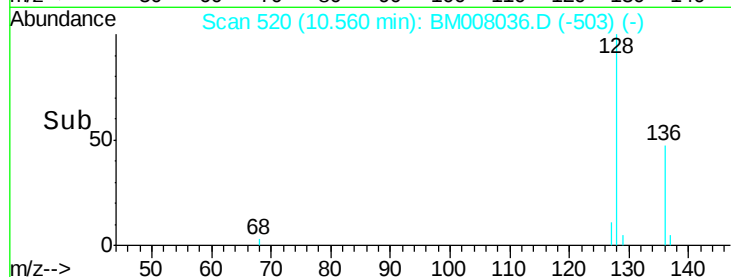
150

100

50

0

Time-->



#5

2-Methylnaphthalene

Concen: 0.02 ng/ul

RT: 12.21 min Scan# 672

Delta R.T. 0.02 min

Lab File: BM008036.D

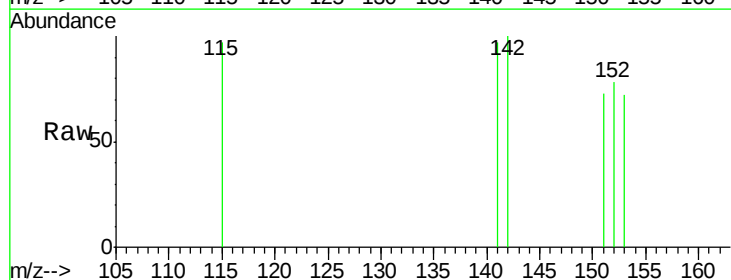
Acq: 23 Nov 2016 16:28

Tgt Ion:142 Resp: 61

Ion Ratio Lower Upper

142 100

141 86.9 72.6 108.8



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

80

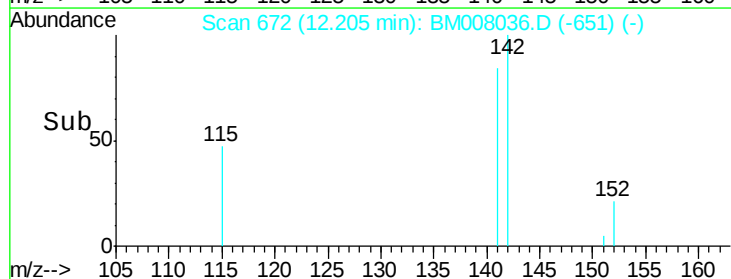
60

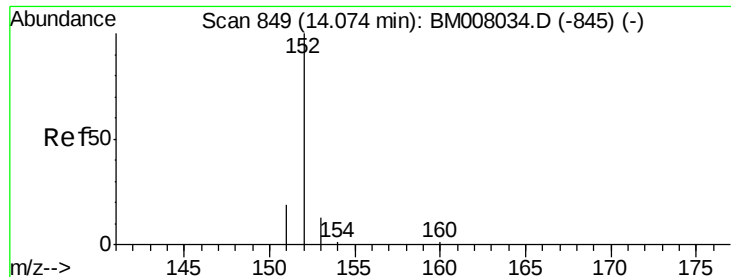
40

20

0

Time-->





#7

Acenaphthylene

Concen: 0.09 ng/ul

RT: 14.07 min Scan# 849

Delta R.T. -0.00 min

Lab File: BM008036.D

Acq: 23 Nov 2016 16:28

Instrument :

BNA_M

ClientSampleId :

JHST6DL

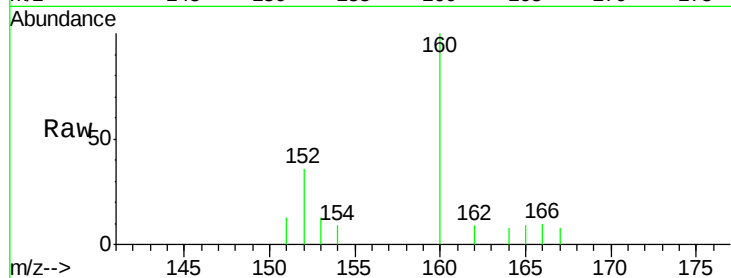
Tgt Ion:152 Resp: 405

Ion Ratio Lower Upper

152 100

151 36.9 17.1 25.7#

153 35.0 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

14.07

200

150

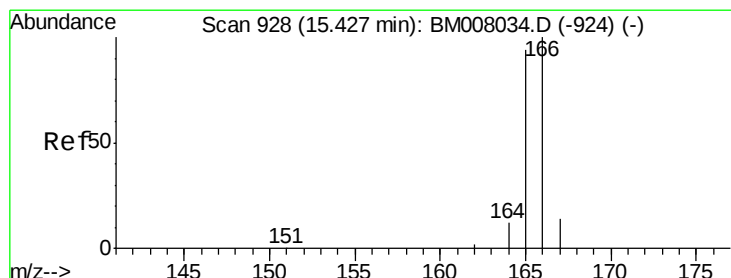
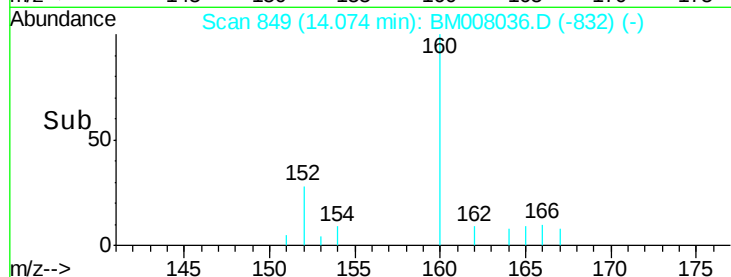
100

50

0

Time-->

14.00 14.10 14.20



#9

Fluorene

Concen: 0.03 ng/ul

RT: 15.41 min Scan# 927

Delta R.T. -0.02 min

Lab File: BM008036.D

Acq: 23 Nov 2016 16:28

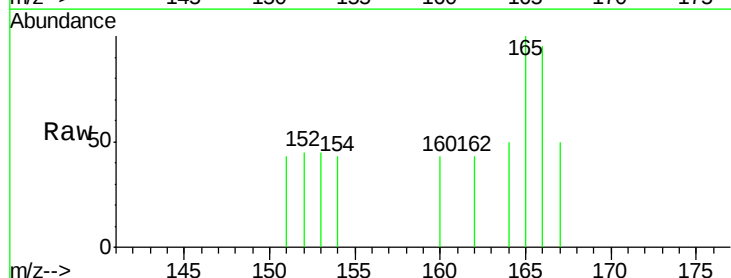
Tgt Ion:166 Resp: 128

Ion Ratio Lower Upper

166 100

165 105.5 73.4 110.2

167 53.2 14.6 22.0#



Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E

15.41

150

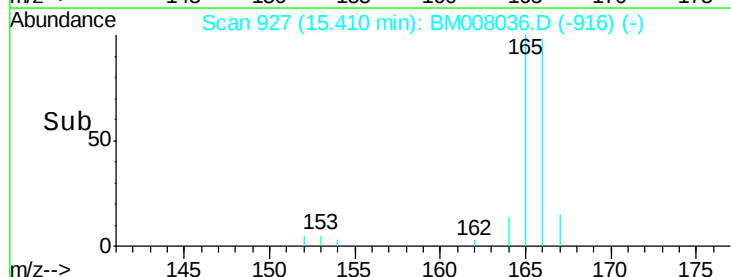
100

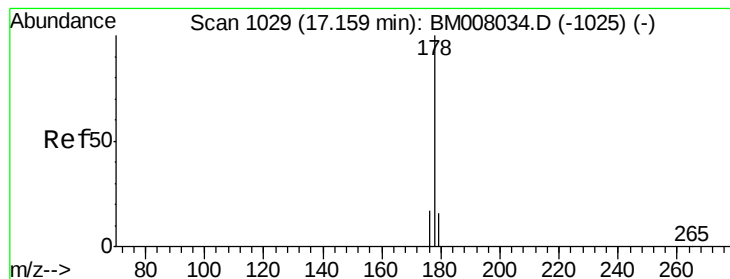
50

0

Time-->

15.40 15.50





#12

Phenanthrene

Concen: 0.67 ng/ul

RT: 17.14 min Scan# 1028

Delta R.T. -0.02 min

Lab File: BM008036.D

Acq: 23 Nov 2016 16:28

Instrument :

BNA_M

ClientSampleId :

JHST6DL

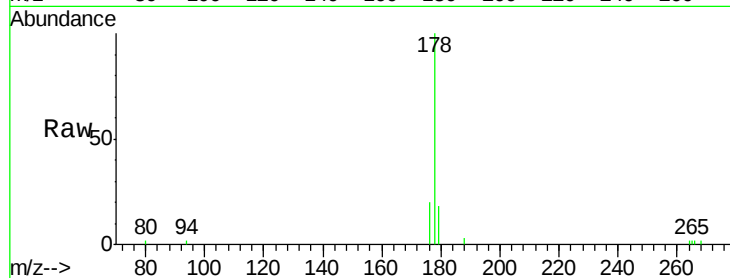
Tgt Ion:178 Resp: 4019

Ion Ratio Lower Upper

178 100

176 19.6 18.4 27.6

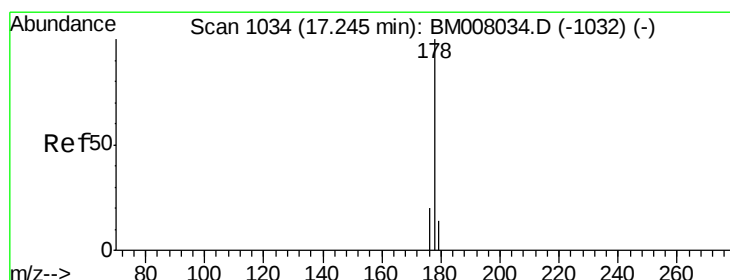
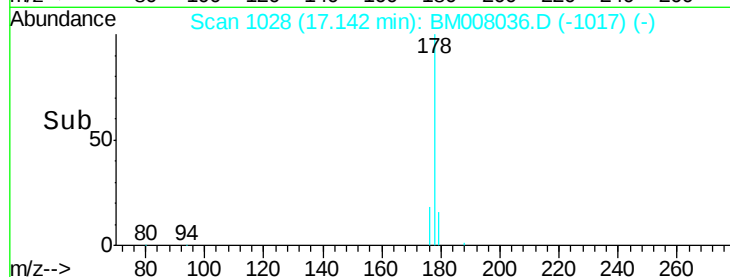
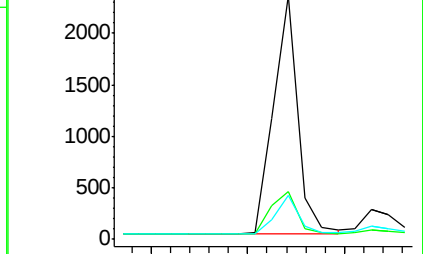
179 18.2 13.6 20.4



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



#13

Anthracene

Concen: 0.71 ng/ul

RT: 17.14 min Scan# 1028

Delta R.T. -0.10 min

Lab File: BM008036.D

Acq: 23 Nov 2016 16:28

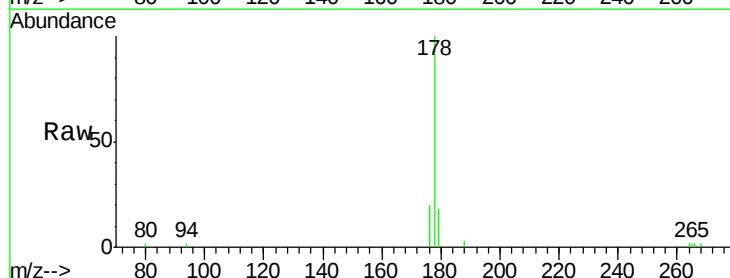
Tgt Ion:178 Resp: 4010

Ion Ratio Lower Upper

178 100

176 19.6 18.1 27.1

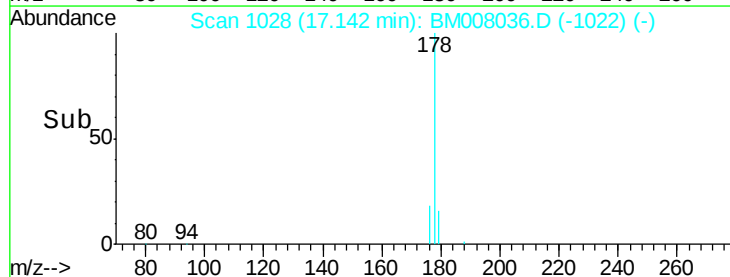
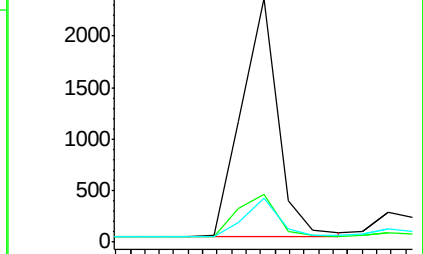
179 18.2 14.7 22.1

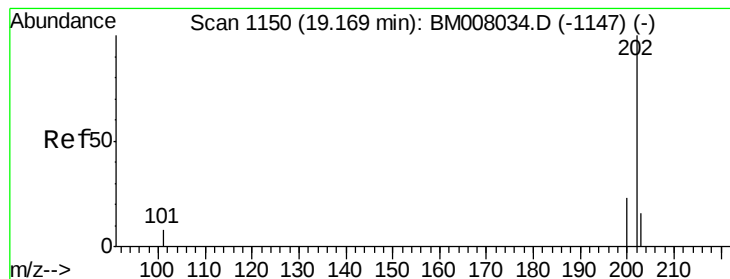


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#15

Fluoranthene

Concen: 0.96 ng/ul

RT: 19.16 min Scan# 1149

Delta R.T. -0.01 min

Lab File: BM008036.D

Acq: 23 Nov 2016 16:28

Instrument :

BNA_M

ClientSampleId :

JHST6DL

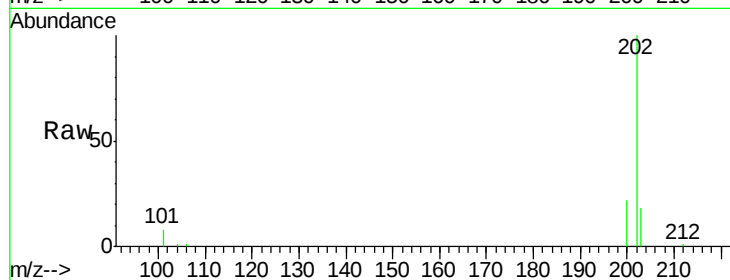
Tgt Ion:202 Resp: 7420

Ion Ratio Lower Upper

202 100

101 7.7 0.0 30.3

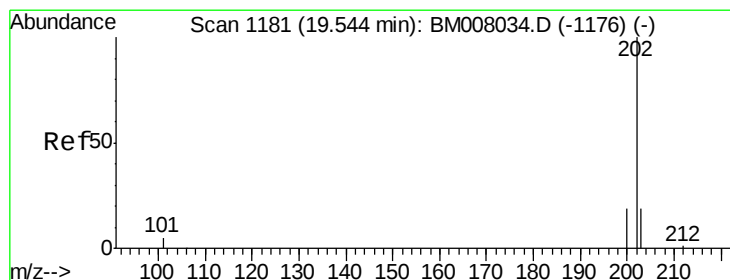
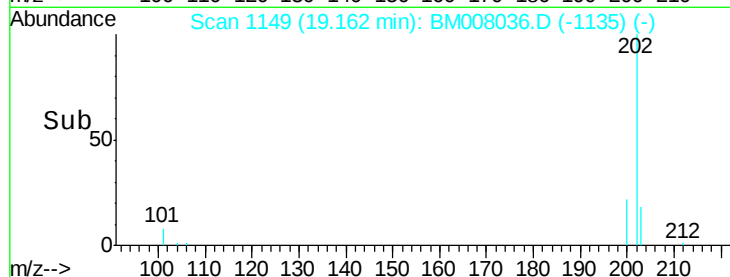
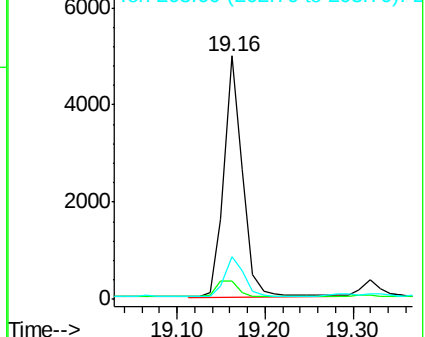
203 17.7 0.0 39.5



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: 1.11 ng/ul

RT: 19.52 min Scan# 1179

Delta R.T. -0.02 min

Lab File: BM008036.D

Acq: 23 Nov 2016 16:28

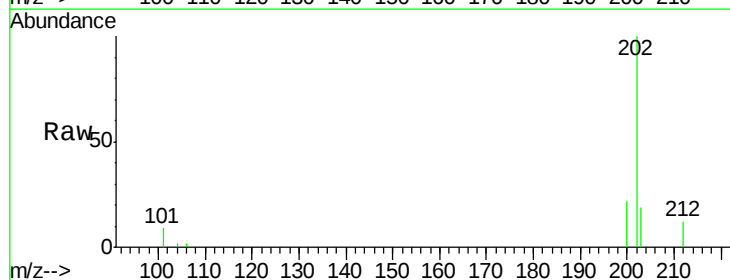
Tgt Ion:202 Resp: 7615

Ion Ratio Lower Upper

202 100

200 22.1 18.2 27.4

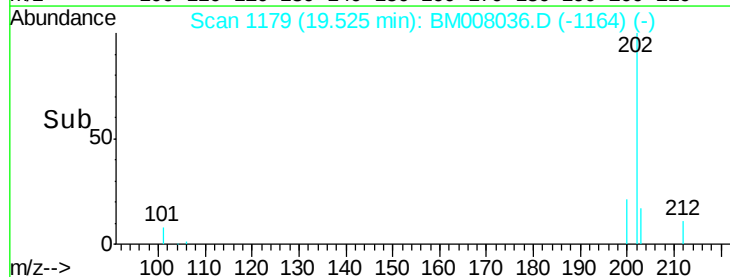
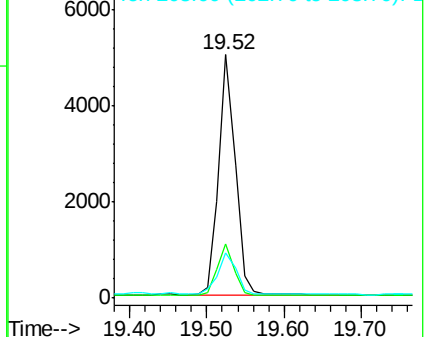
203 18.5 15.6 23.4

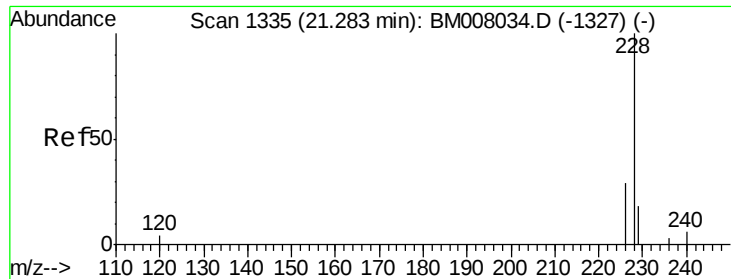


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#18

Benzo(a)anthracene

Concen: 0.46 ng/ul

RT: 21.28 min Scan# 1334

Delta R.T. -0.01 min

Lab File: BM008036.D

Acq: 23 Nov 2016 16:28

Instrument :

BNA_M

ClientSampleId :

JHST6DL

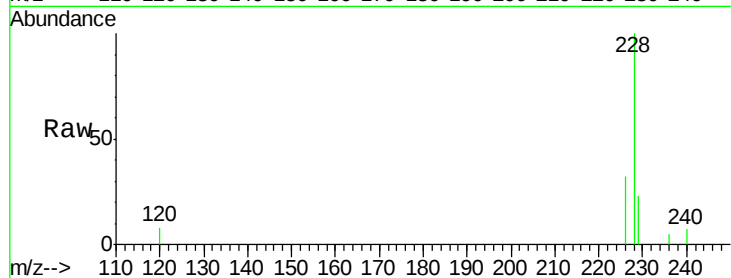
Tgt Ion:228 Resp: 2774

Ion Ratio Lower Upper

228 100

226 32.5 22.8 34.2

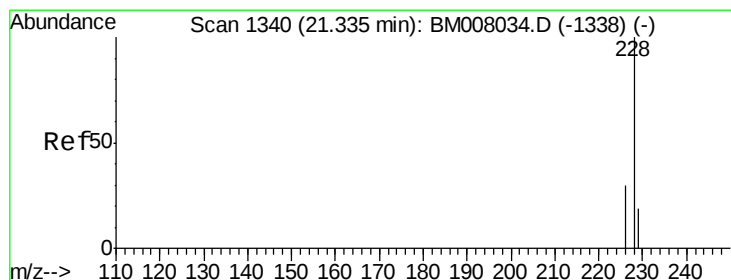
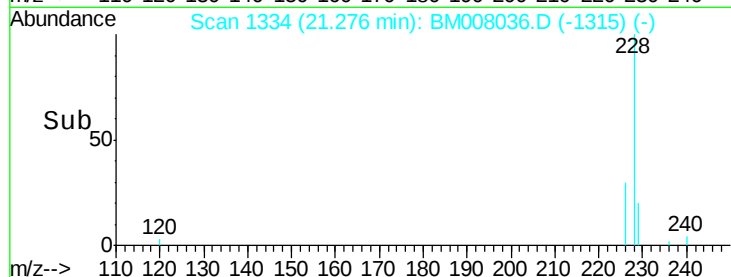
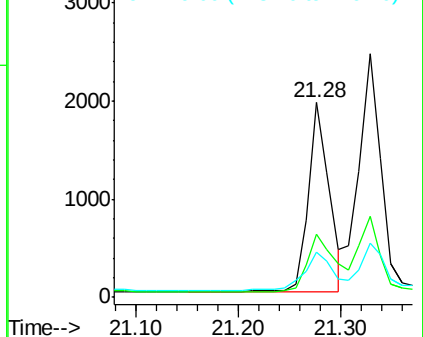
229 23.3 17.0 25.6



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: 0.49 ng/ul

RT: 21.33 min Scan# 1339

Delta R.T. -0.01 min

Lab File: BM008036.D

Acq: 23 Nov 2016 16:28

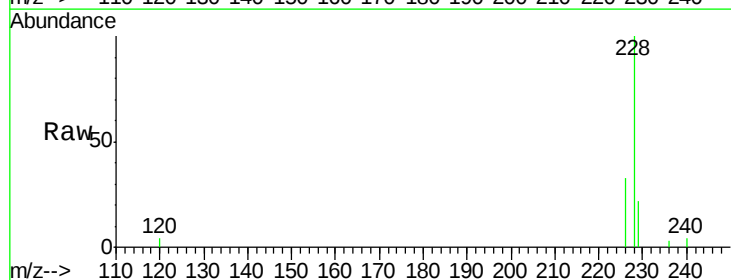
Tgt Ion:228 Resp: 3666

Ion Ratio Lower Upper

228 100

226 33.4 23.4 35.0

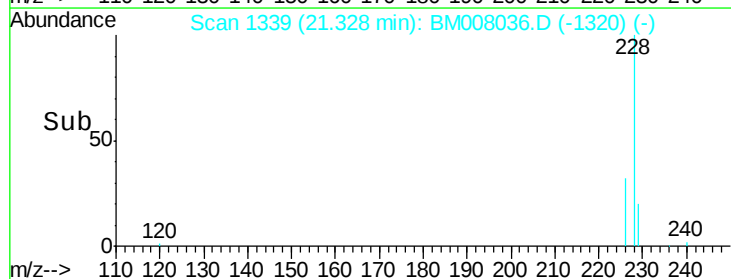
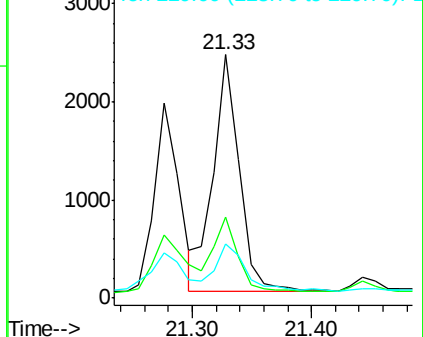
229 22.5 17.7 26.5

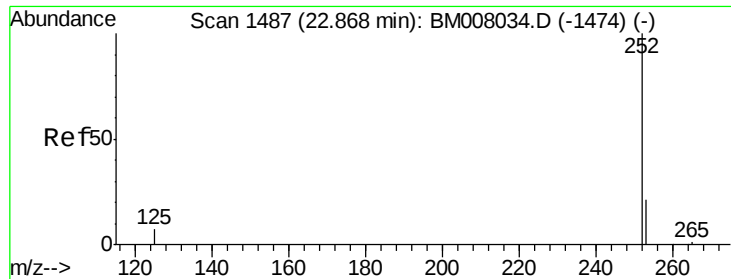


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#21

Benzo(b)fluoranthene

Concen: 0.71 ng/u1

RT: 22.86 min Scan# 1486

Delta R.T. -0.01 min

Lab File: BM008036.D

Acq: 23 Nov 2016 16:28

Instrument :

BNA_M

ClientSampleId :

JHST6DL

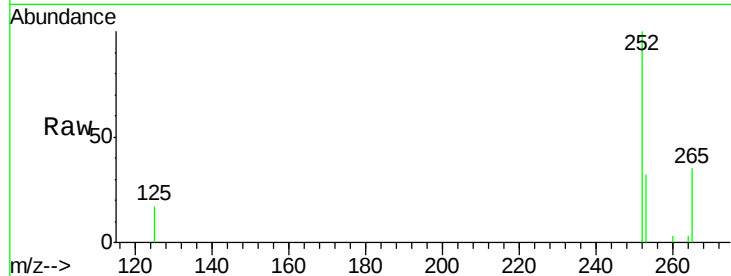
Tgt Ion:252 Resp: 5395

Ion Ratio Lower Upper

252 100

253 32.2 0.0 64.2

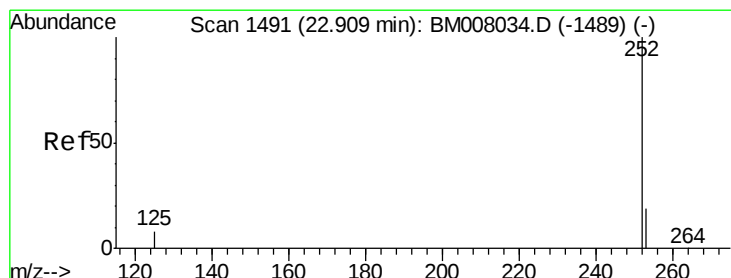
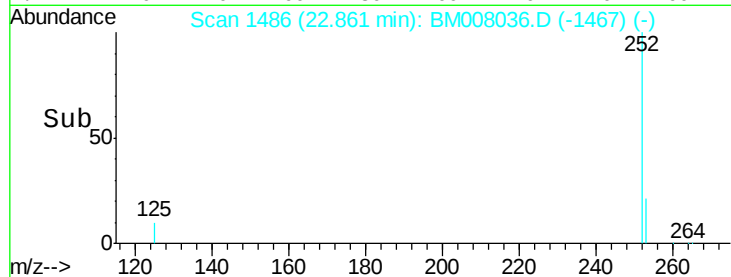
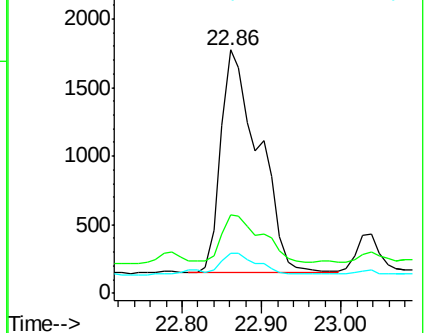
125 16.7 0.0 35.0



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: 0.68 ng/u1

RT: 22.86 min Scan# 1486

Delta R.T. -0.05 min

Lab File: BM008036.D

Acq: 23 Nov 2016 16:28

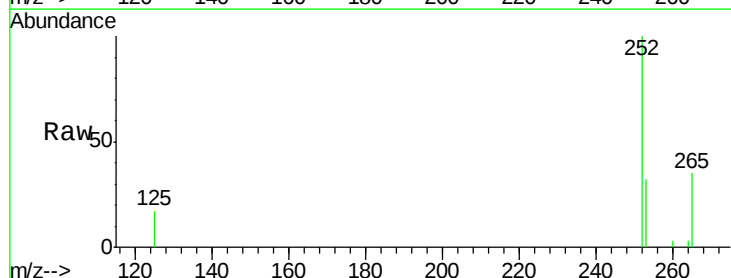
Tgt Ion:252 Resp: 5395

Ion Ratio Lower Upper

252 100

253 32.2 24.5 36.7

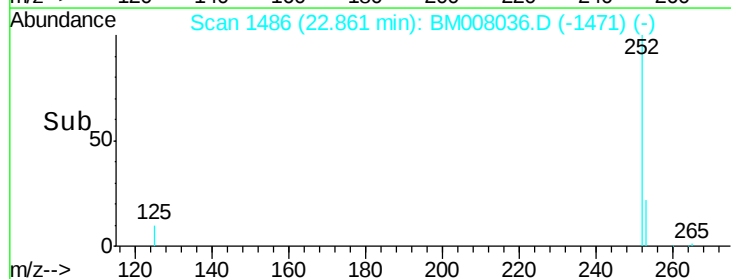
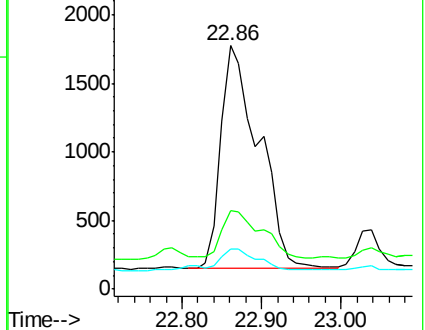
125 16.7 13.7 20.5

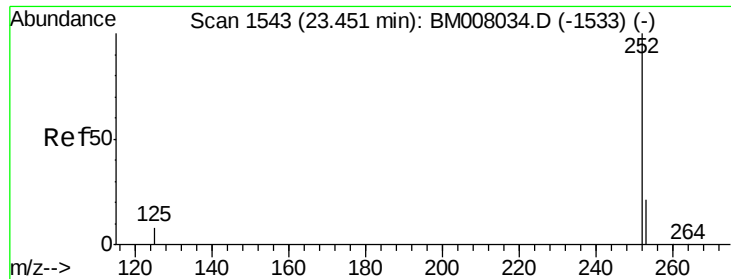


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#23

Benzo(a)pyrene

Concen: 0.28 ng/ul

RT: 23.33 min Scan# 1531

Delta R.T. -0.12 min

Lab File: BM008036.D

Acq: 23 Nov 2016 16:28

Instrument :

BNA_M

ClientSampleId :

JHST6DL

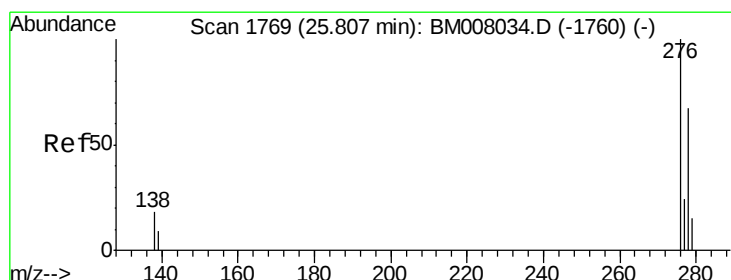
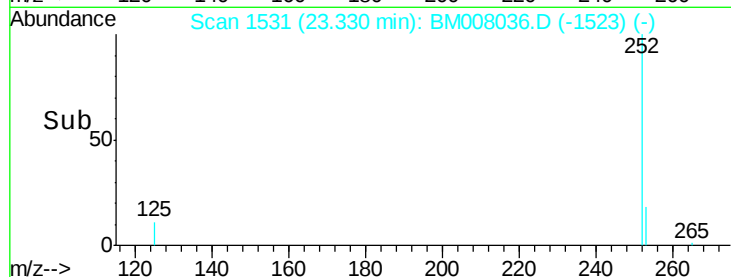
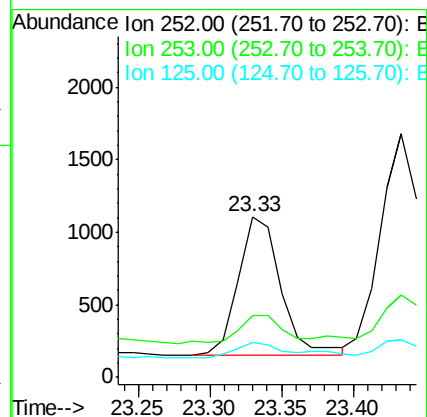
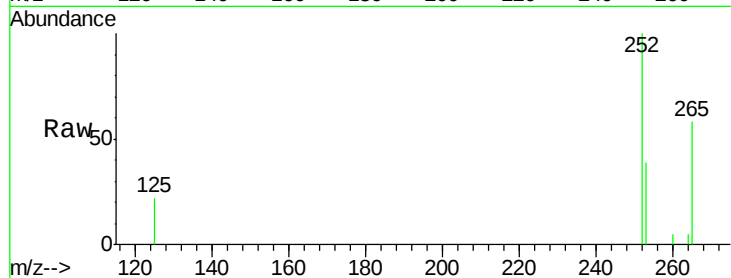
Tgt Ion:252 Resp: 1969

Ion Ratio Lower Upper

252 100

253 38.8 28.5 42.7

125 22.0 18.1 27.1



#24

Indeno(1,2,3-cd)pyrene

Concen: 0.23 ng/ul

RT: 25.79 min Scan# 1767

Delta R.T. -0.02 min

Lab File: BM008036.D

Acq: 23 Nov 2016 16:28

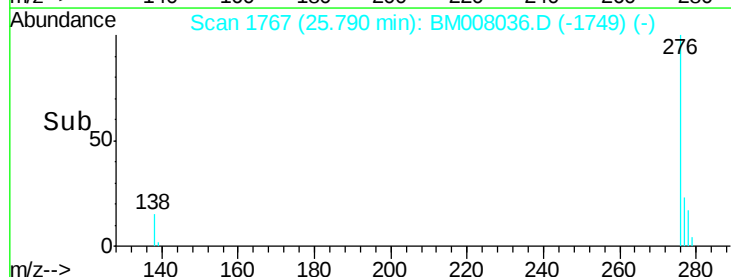
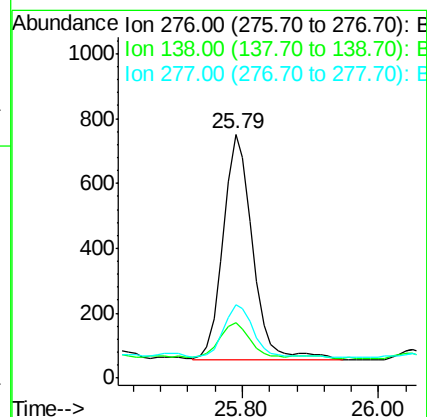
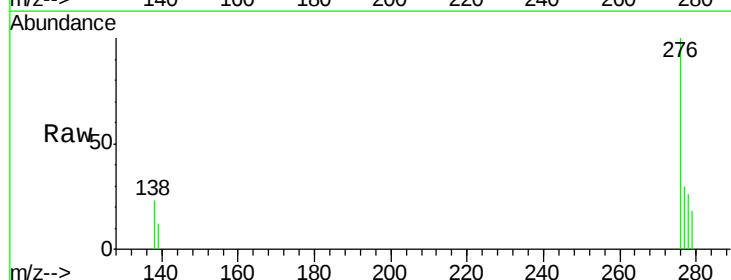
Tgt Ion:276 Resp: 2047

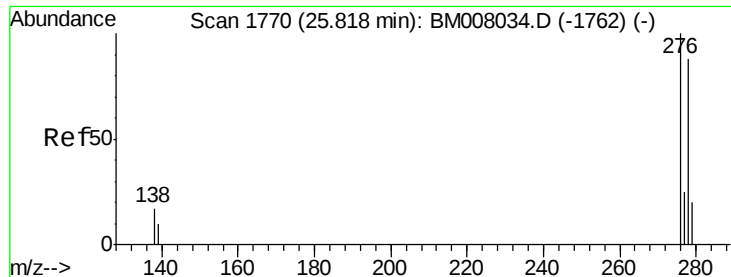
Ion Ratio Lower Upper

276 100

138 15.6 19.1 28.7#

277 23.7 19.6 29.4





#25

Dibenzo(a,h)anthracene

Concen: 0.06 ng/ul

RT: 25.79 min Scan# 1767

Delta R.T. -0.03 min

Lab File: BM008036.D

Acq: 23 Nov 2016 16:28

Instrument :

BNA_M

ClientSampleId :

JHST6DL

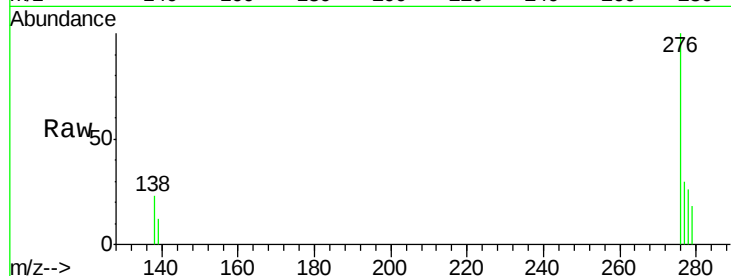
Tgt Ion: 278 Resp: 458

Ion Ratio Lower Upper

278 100

139 45.1 17.4 26.0#

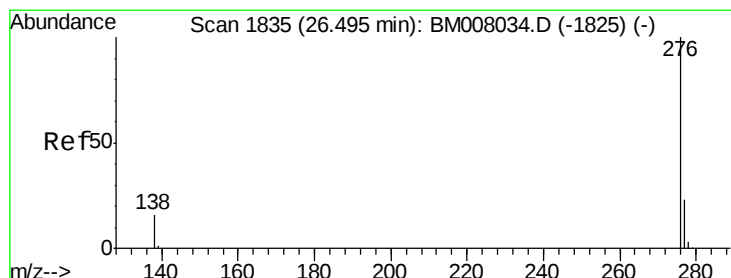
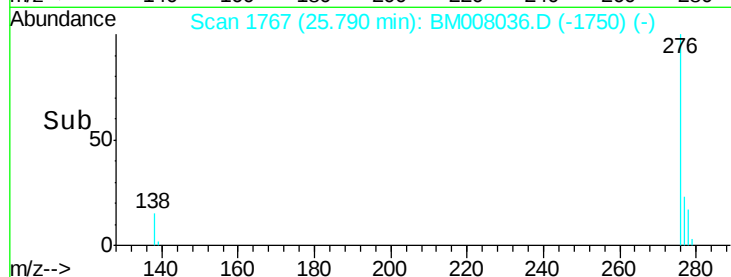
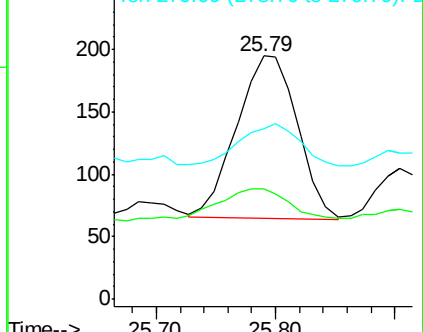
279 70.3 25.9 38.9#



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: 0.22 ng/ul

RT: 26.49 min Scan# 1834

Delta R.T. -0.01 min

Lab File: BM008036.D

Acq: 23 Nov 2016 16:28

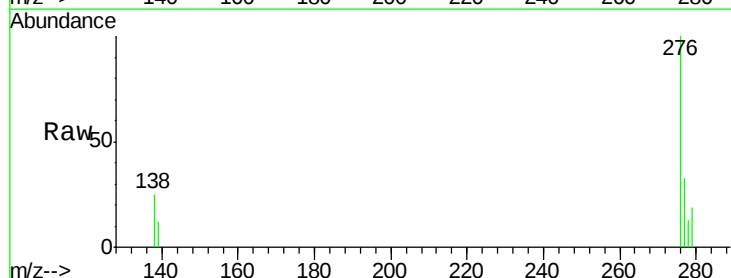
Tgt Ion: 276 Resp: 1696

Ion Ratio Lower Upper

276 100

277 33.2 21.8 32.8#

138 25.2 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

