

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM122816\
 Data File : BM008704.D
 Acq On : 28 Dec 2016 21:33
 Operator : UM/SJ
 Sample : H6067-09
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 DA7G0

Quant Time: Dec 29 03:34:02 2016
 Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-SIM-BM121916.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Dec 29 03:29:39 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	0.00	152	0	0.00	ng/ul	-7.82
2) Naphthalene-d8	10.44	136	1298	0.40	ng/ul	-0.12
6) Acenaphthene-d10	14.28	164	807	0.40	ng/ul	-0.07
10) Phenanthrene-d10	17.14	188	65950	0.40	ng/ul	0.03
16) Chrysene-d12	21.24	240	1741	0.40	ng/ul	-0.04
20) Perylene-d12	23.48	264	2043	0.40	ng/ul	-0.05

System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	12.06	152	327	0.16	ng/ul	-0.10
14) Fluoranthene-d10	19.09	212	892	0.00	ng/ul	-0.04

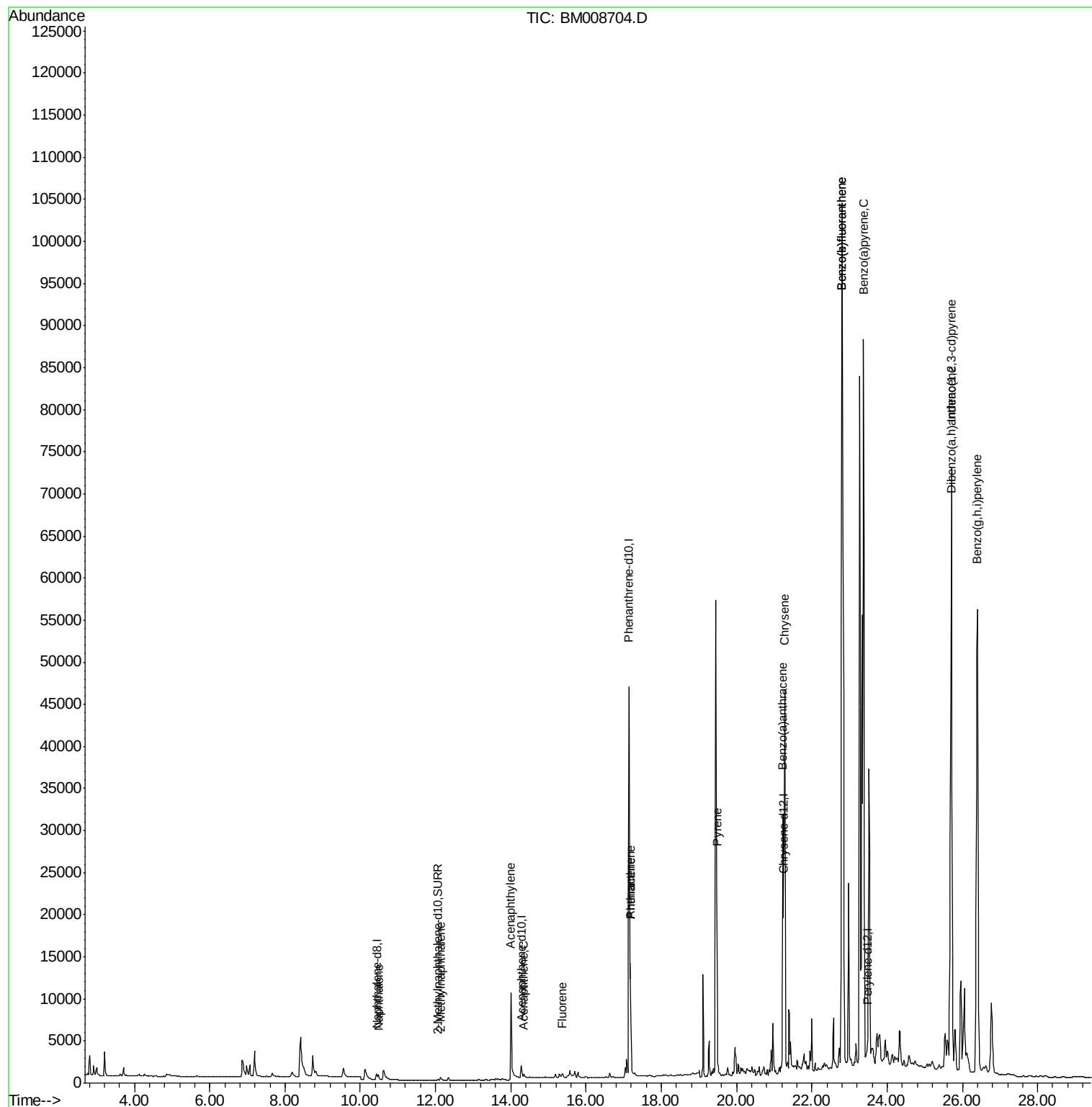
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Naphthalene	10.49	128	1068	0.29	ng/ul#	86
5) 2-Methylnaphthalene	12.13	142	412	0.17	ng/ul	88
7) Acenaphthylene	14.01	152	11253	3.08	ng/ul	95
8) Acenaphthene	14.35	153	351	0.13	ng/ul#	89
9) Fluorene	15.36	166	651	0.21	ng/ul#	84
12) Phenanthrene	17.18	178	17192	0.09	ng/ul	95
13) Anthracene	17.18	178	17204	0.09	ng/ul	94
17) Pyrene	19.48	202	22566	3.35	ng/ul	97
18) Benzo(a)anthracene	21.22	228	31868	5.57	ng/ul	97
19) Chrysene	21.28	228	62370	9.96	ng/ul	91
21) Benzo(b)fluoranthene	22.80	252	224224	27.86	ng/ul	80
22) Benzo(k)fluoranthene	22.80	252	224224	28.57	ng/ul#	81
23) Benzo(a)pyrene	23.37	252	118606	15.90	ng/ul#	75
24) Indeno(1,2,3-cd)pyrene	25.71	276	120334	13.53	ng/ul#	90
25) Dibenzo(a,h)anthracene	25.70	278	31728	4.47	ng/ul#	88
26) Benzo(g,h,i)perylene	26.39	276	123283	16.17	ng/ul#	87

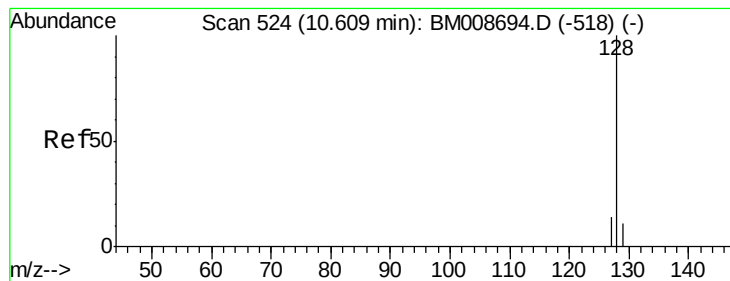
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Naphthalene

Concen: 0.29 ng/ul

RT: 10.49 min Scan# 514

Delta R.T. -0.12 min

Lab File: BM008704.D

Acq: 28 Dec 2016 21:33

Instrument :

BNA_M

ClientSampleId :

DA7G0

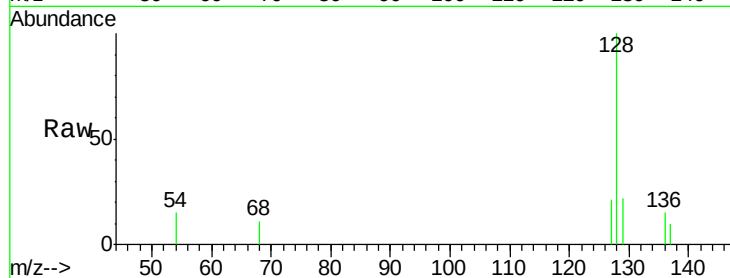
Tgt Ion:128 Resp: 1068

Ion Ratio Lower Upper

128 100

129 21.5 11.3 16.9#

127 20.6 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

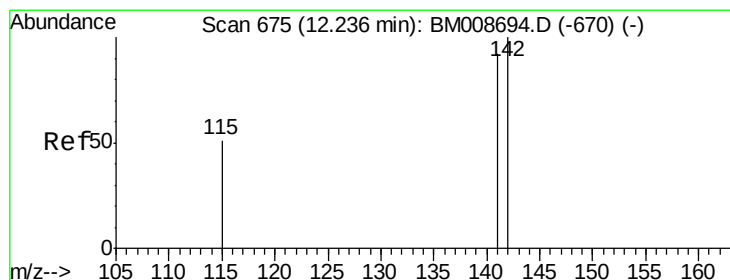
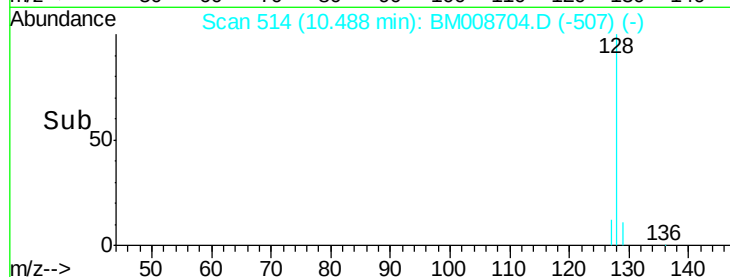
10.49

400

200

0

Time-->



#5

2-Methylnaphthalene

Concen: 0.17 ng/ul

RT: 12.13 min Scan# 665

Delta R.T. -0.10 min

Lab File: BM008704.D

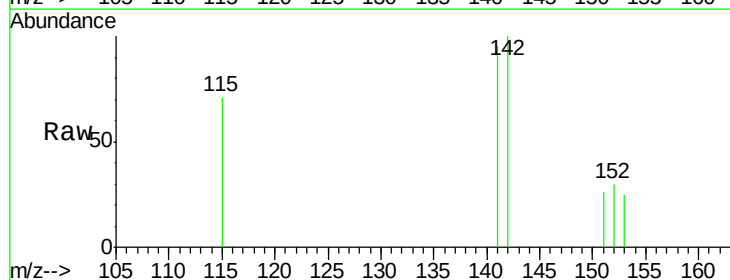
Acq: 28 Dec 2016 21:33

Tgt Ion:142 Resp: 412

Ion Ratio Lower Upper

142 100

141 101.7 72.6 108.8



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

12.13

200

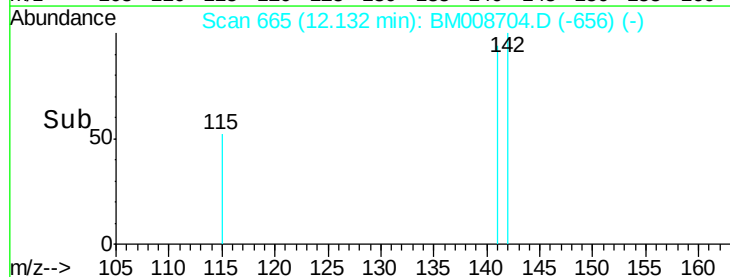
150

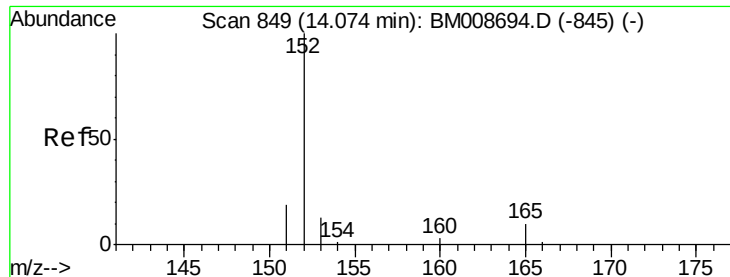
100

50

0

Time-->





#7

Acenaphthylene

Concen: 3.08 ng/ul

RT: 14.01 min Scan# 845

Delta R.T. -0.07 min

Lab File: BM008704.D

Acq: 28 Dec 2016 21:33

Instrument :

BNA_M

ClientSampleId :

DA7G0

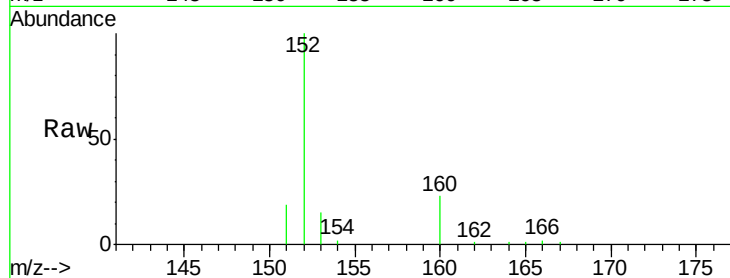
Tgt Ion:152 Resp: 11253

Ion Ratio Lower Upper

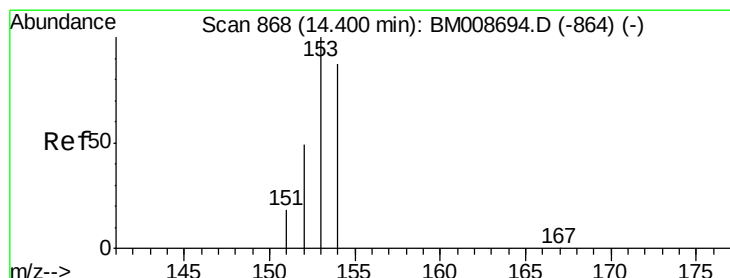
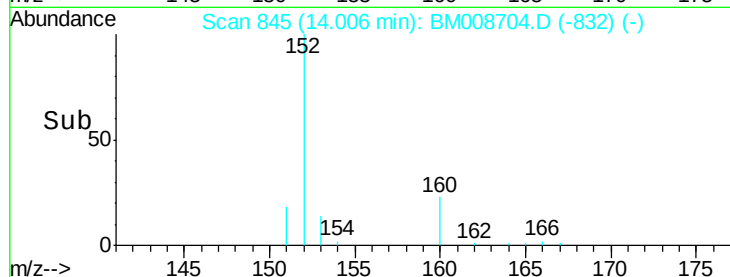
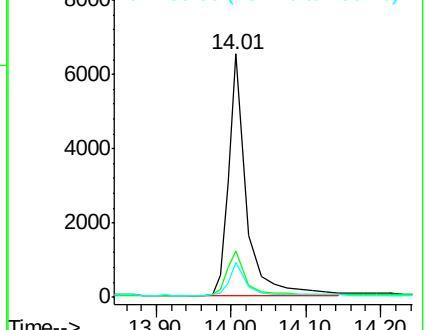
152 100

151 18.8 17.1 25.7

153 14.5 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



#8

Acenaphthene

Concen: 0.13 ng/ul

RT: 14.35 min Scan# 865

Delta R.T. -0.05 min

Lab File: BM008704.D

Acq: 28 Dec 2016 21:33

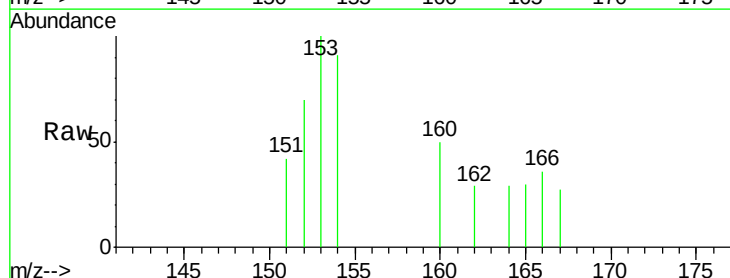
Tgt Ion:153 Resp: 351

Ion Ratio Lower Upper

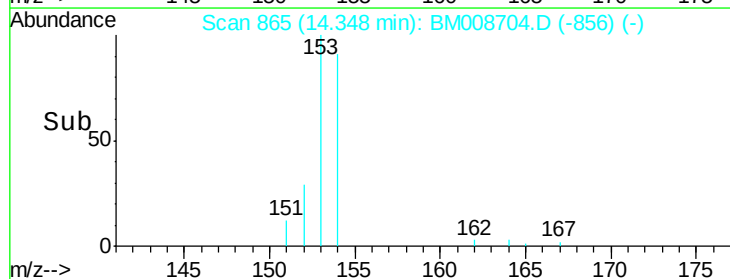
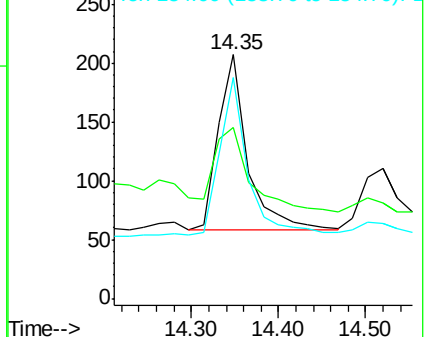
153 100

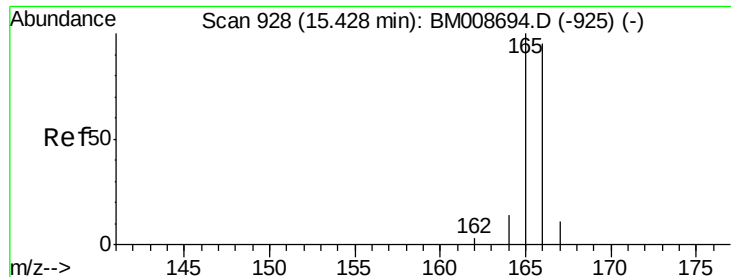
152 70.0 40.3 60.5#

154 90.8 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: 0.21 ng/ul

RT: 15.36 min Scan# 924

Delta R.T. -0.07 min

Lab File: BM008704.D

Acq: 28 Dec 2016 21:33

Instrument :

BNA_M

ClientSampleId :

DA7G0

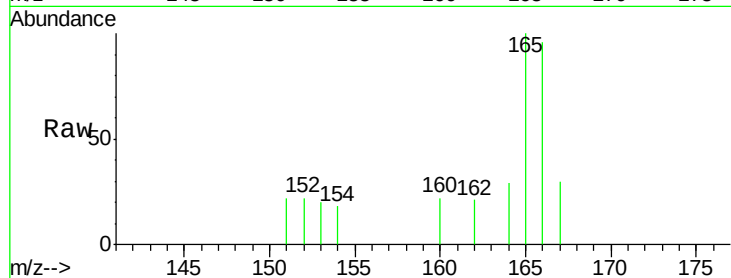
Tgt Ion:166 Resp: 651

Ion Ratio Lower Upper

166 100

165 104.2 73.4 110.2

167 31.5 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

15.36

300

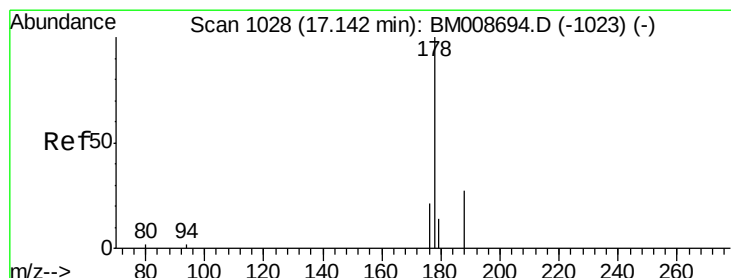
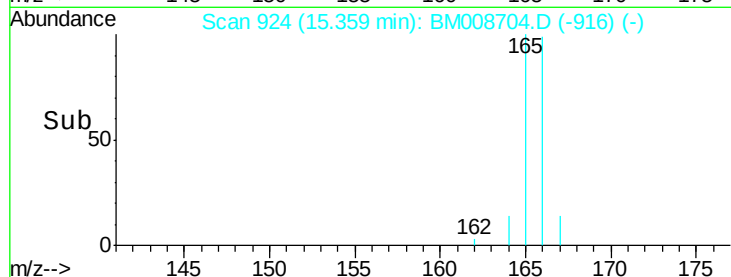
200

100

0

Time-->

15.30 15.40 15.50



#12

Phenanthrene

Concen: 0.09 ng/ul

RT: 17.18 min Scan# 1030

Delta R.T. 0.03 min

Lab File: BM008704.D

Acq: 28 Dec 2016 21:33

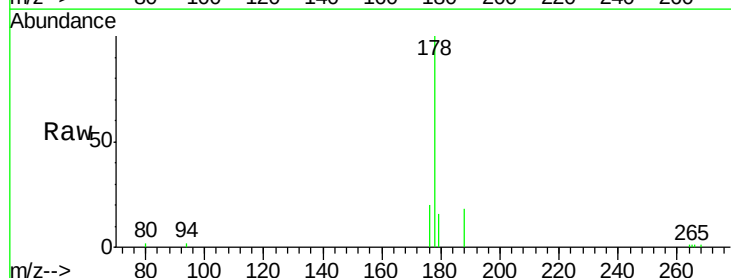
Tgt Ion:178 Resp: 17192

Ion Ratio Lower Upper

178 100

176 19.5 18.4 27.6

179 16.1 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

17.18

12000

10000

8000

6000

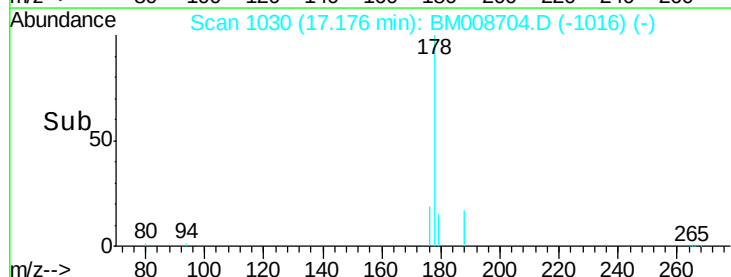
4000

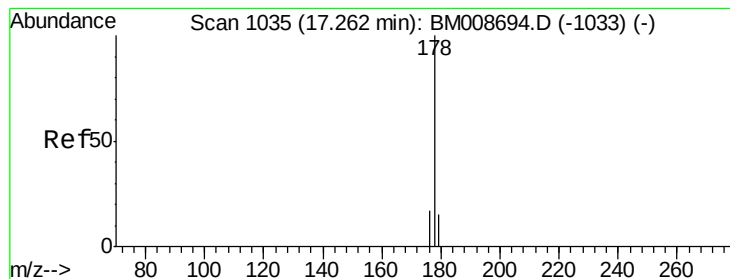
2000

0

Time-->

17.10 17.20 17.30





#13

Anthracene

Concen: 0.09 ng/ul

RT: 17.18 min Scan# 1030

Delta R.T. -0.09 min

Lab File: BM008704.D

Acq: 28 Dec 2016 21:33

Instrument :

BNA_M

ClientSampleId :

DA7G0

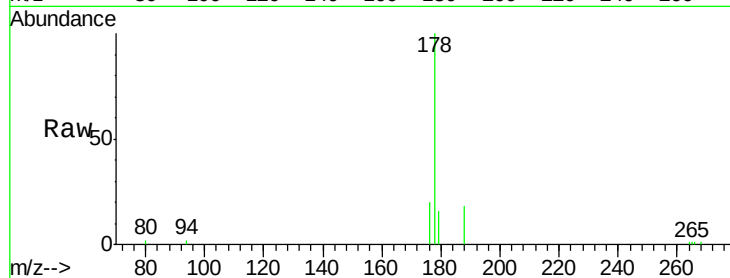
Tgt Ion:178 Resp: 17204

Ion Ratio Lower Upper

178 100

176 19.5 18.1 27.1

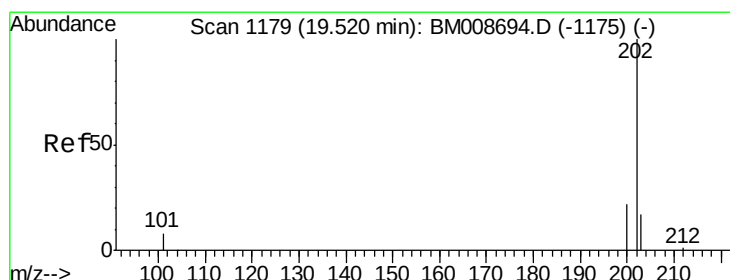
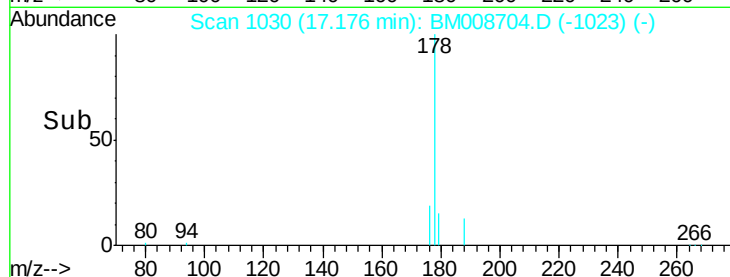
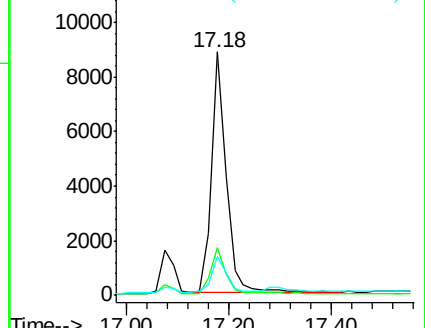
179 16.1 14.7 22.1



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



#17

Pyrene

Concen: 3.35 ng/ul

RT: 19.48 min Scan# 1175

Delta R.T. -0.04 min

Lab File: BM008704.D

Acq: 28 Dec 2016 21:33

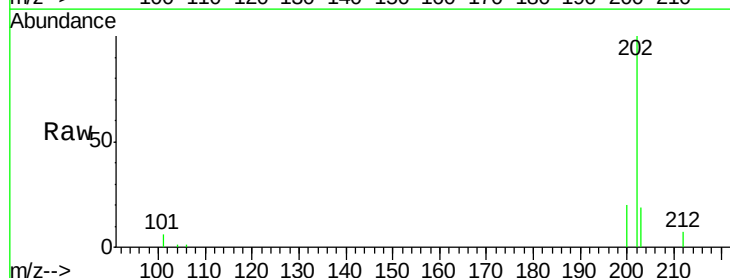
Tgt Ion:202 Resp: 22566

Ion Ratio Lower Upper

202 100

200 20.4 18.2 27.4

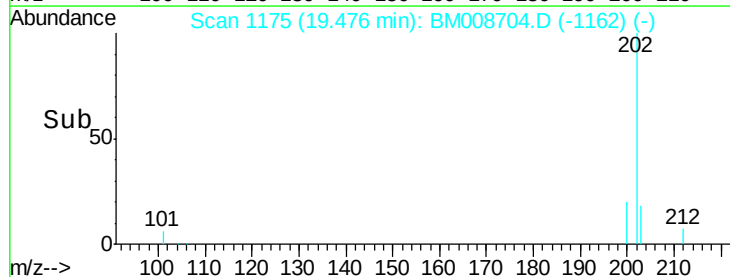
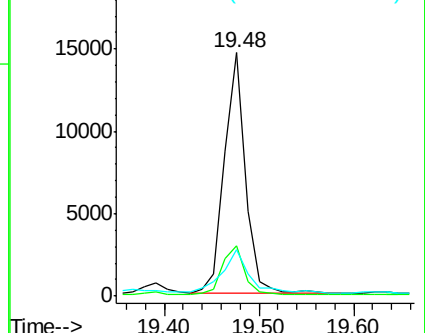
203 18.9 15.6 23.4

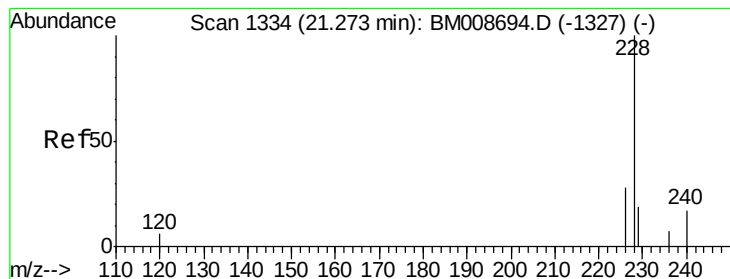


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#18

Benzo(a)anthracene

Concen: 5.57 ng/ul

RT: 21.22 min Scan# 1329

Delta R.T. -0.05 min

Lab File: BM008704.D

Acq: 28 Dec 2016 21:33

Instrument :

BNA_M

ClientSampleId :

DA7G0

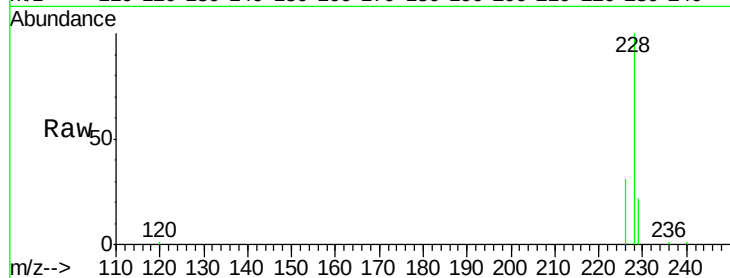
Tgt Ion:228 Resp: 31868

Ion Ratio Lower Upper

228 100

226 30.8 22.8 34.2

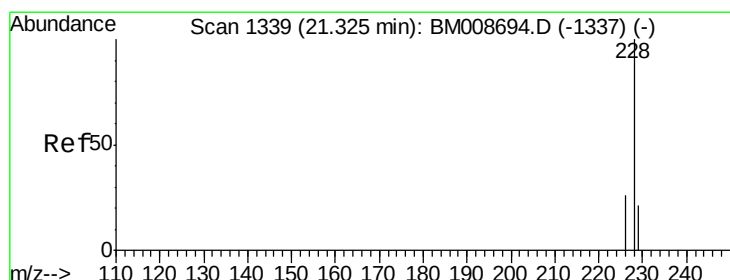
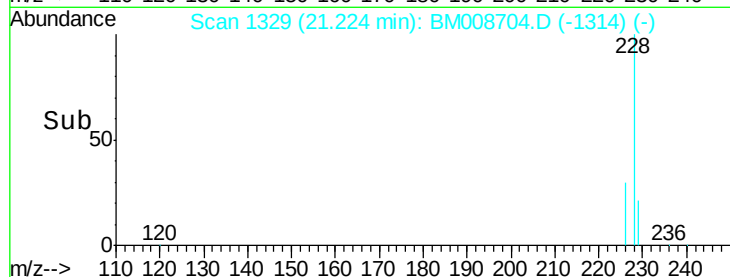
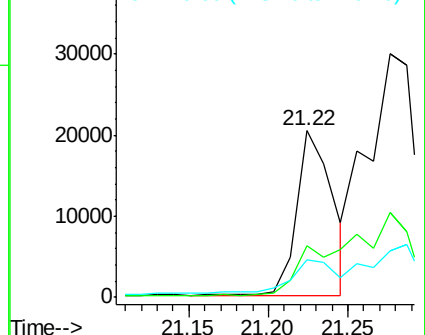
229 22.3 17.0 25.6



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: 9.96 ng/ul

RT: 21.28 min Scan# 1334

Delta R.T. -0.05 min

Lab File: BM008704.D

Acq: 28 Dec 2016 21:33

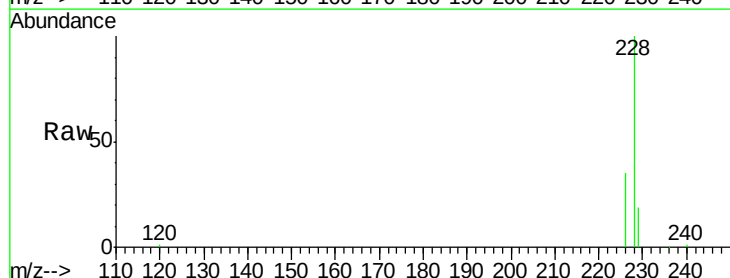
Tgt Ion:228 Resp: 62370

Ion Ratio Lower Upper

228 100

226 34.9 23.4 35.0

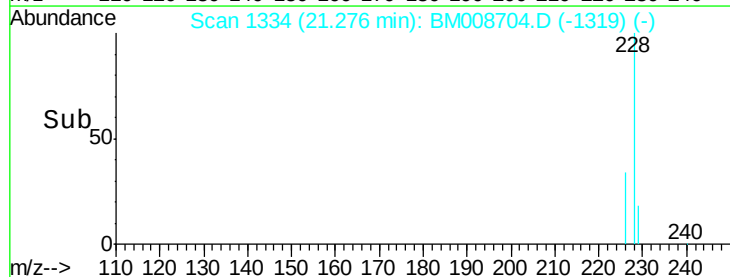
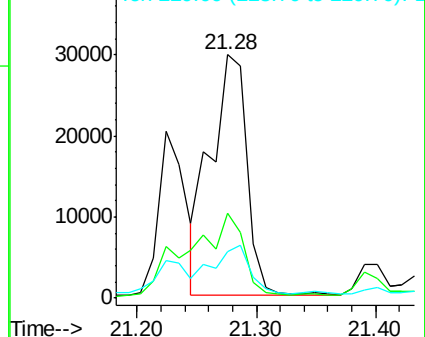
229 19.0 17.7 26.5

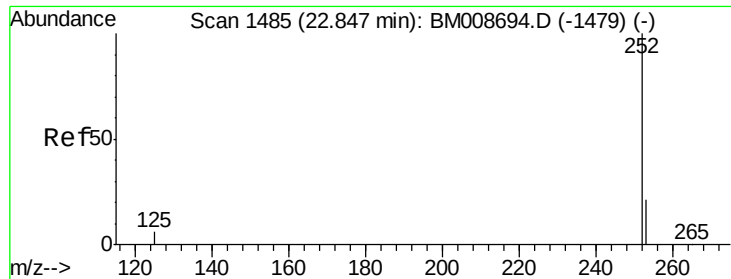


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#21

Benzo(b)fluoranthene

Concen: 27.86 ng/ul

RT: 22.80 min Scan# 1480

Delta R.T. -0.05 min

Lab File: BM008704.D

Acq: 28 Dec 2016 21:33

Instrument :

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DA7G0

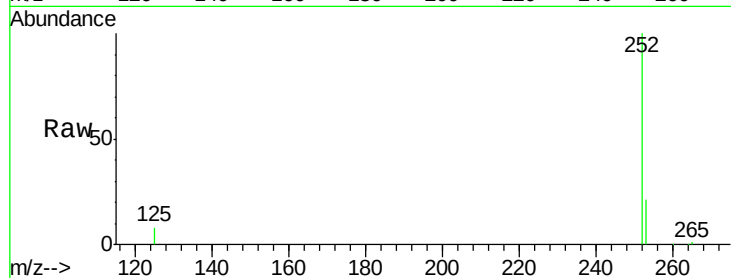
Tgt Ion:252 Resp: 224224

Ion Ratio Lower Upper

252 100

253 21.2 0.0 64.2

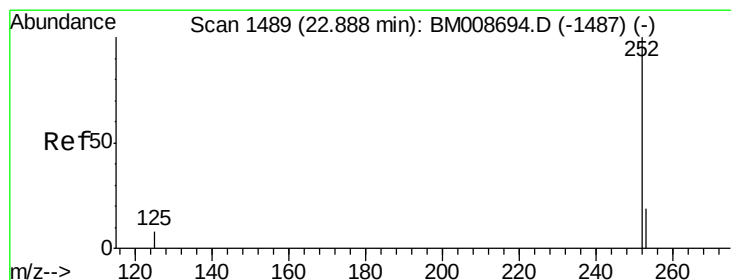
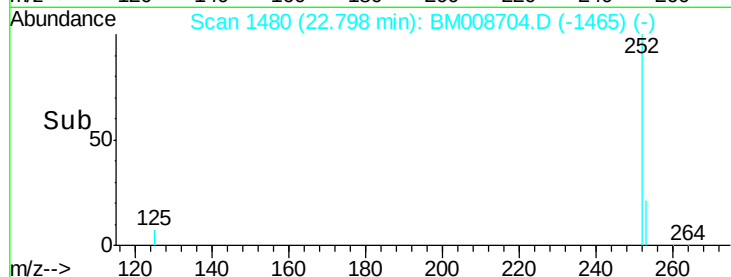
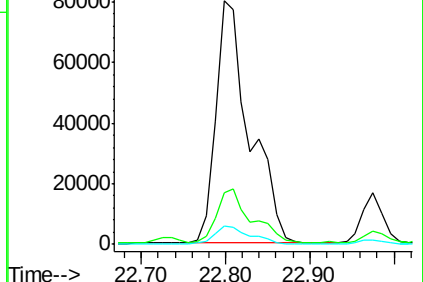
125 7.8 0.0 35.0



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: 28.57 ng/ul

RT: 22.80 min Scan# 1480

Delta R.T. -0.09 min

Lab File: BM008704.D

Acq: 28 Dec 2016 21:33

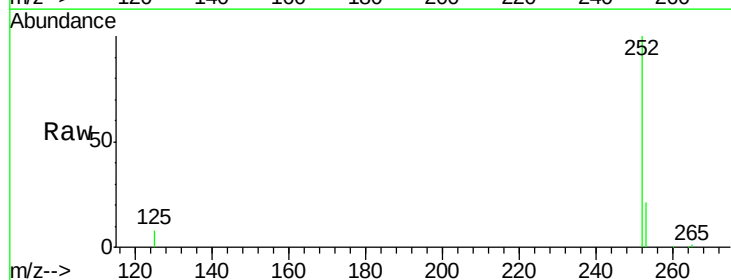
Tgt Ion:252 Resp: 224224

Ion Ratio Lower Upper

252 100

253 21.2 24.5 36.7#

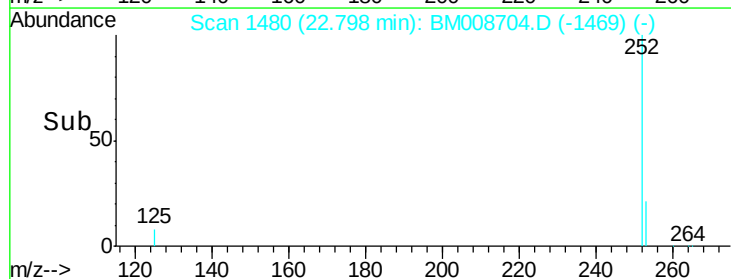
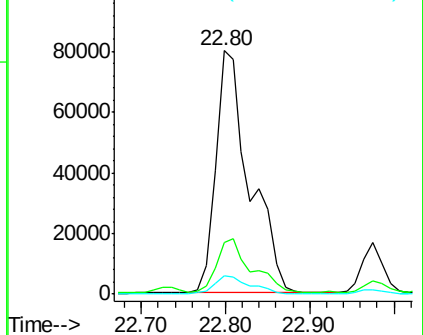
125 7.8 13.7 20.5#

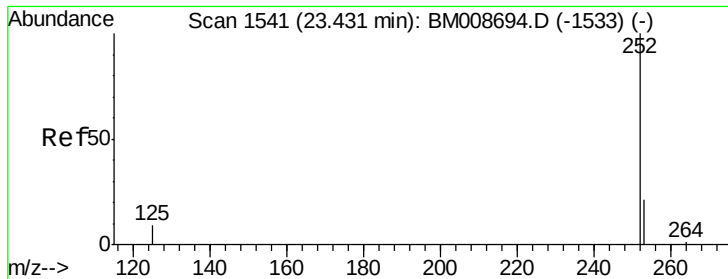


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#23

Benzo(a)pyrene

Concen: 15.90 ng/ul

RT: 23.37 min Scan# 1535

Delta R.T. -0.06 min

Lab File: BM008704.D

Acq: 28 Dec 2016 21:33

Instrument :

BNA_M

ClientSampleId :

DA7G0

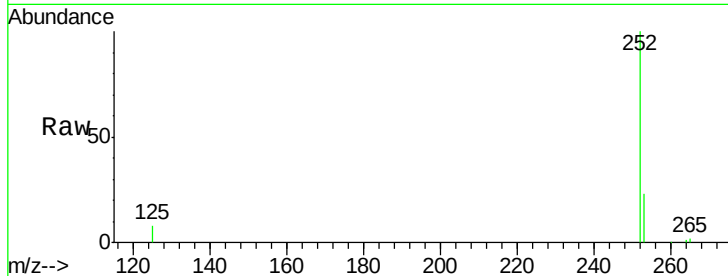
Tgt Ion:252 Resp: 118606

Ion Ratio Lower Upper

252 100

253 22.7 28.5 42.7#

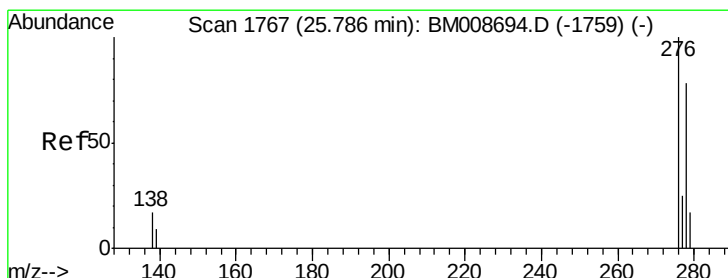
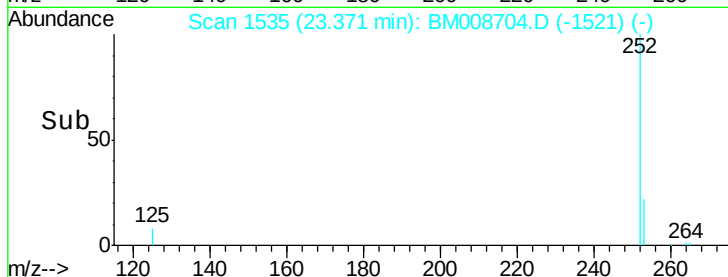
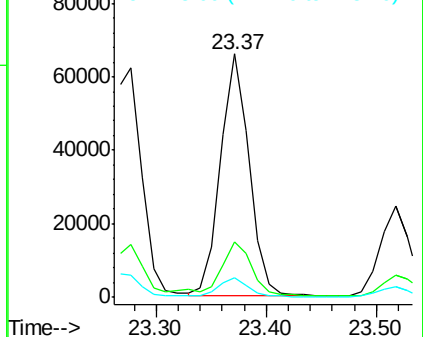
125 7.9 18.1 27.1#



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: 13.53 ng/ul

RT: 25.71 min Scan# 1759

Delta R.T. -0.08 min

Lab File: BM008704.D

Acq: 28 Dec 2016 21:33

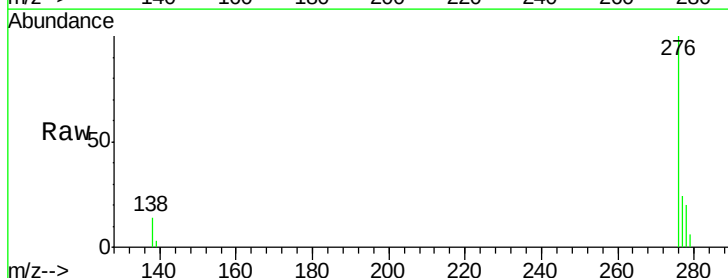
Tgt Ion:276 Resp: 120334

Ion Ratio Lower Upper

276 100

138 14.8 19.1 28.7#

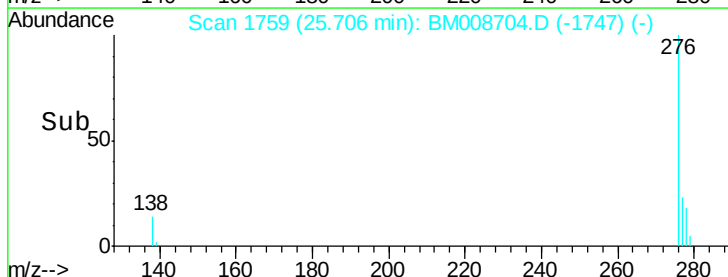
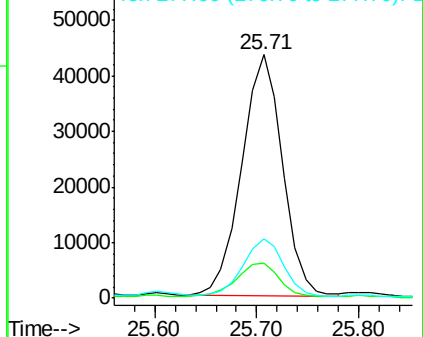
277 23.7 19.6 29.4

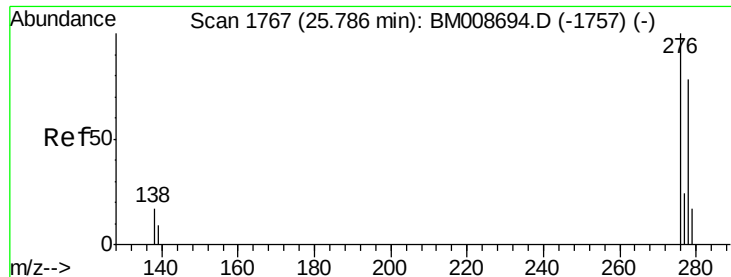


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E





#25

Dibenzo(a,h)anthracene

Concen: 4.47 ng/ul

RT: 25.70 min Scan# 1758

Delta R.T. -0.09 min

Lab File: BM008704.D

Acq: 28 Dec 2016 21:33

Instrument :

BNA_M

ClientSampleId :

DA7G0

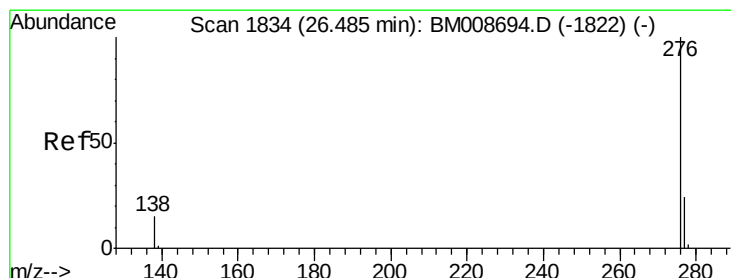
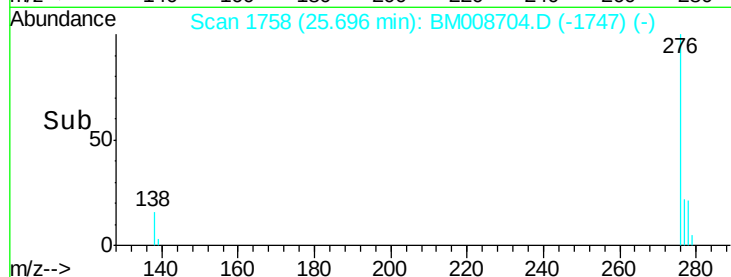
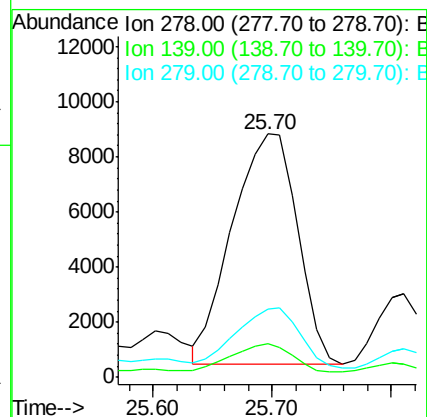
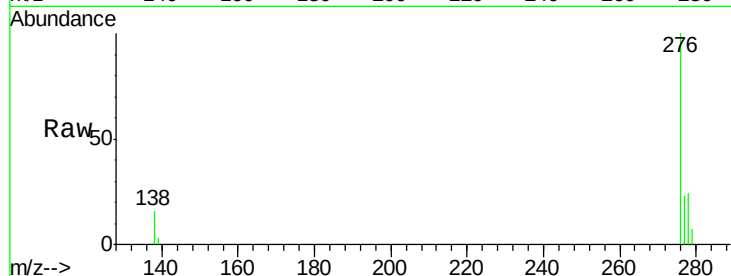
Tgt Ion: 278 Resp: 31728

Ion Ratio Lower Upper

278 100

139 13.7 17.4 26.0#

279 27.8 25.9 38.9



#26

Benzo(g,h,i)perylene

Concen: 16.17 ng/ul

RT: 26.39 min Scan# 1825

Delta R.T. -0.09 min

Lab File: BM008704.D

Acq: 28 Dec 2016 21:33

Tgt Ion: 276 Resp: 123283

Ion Ratio Lower Upper

276 100

277 24.0 21.8 32.8

138 15.3 20.5 30.7#

