

Data Path : Z:\HPCHEM1\BNA M\DATA\BM030917\
 Data File : BM009161.D
 Acq On : 10 Mar 2017 00:33
 Operator : SJ/MA
 Sample : I2062-21DL 5X
 Misc :
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 C0AK7DL

Quant Time: Mar 10 03:18:03 2017
 Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM-EPA-SIM-BM030317.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Mar 10 03:16:46 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.88	152	263	0.40	ng/ul	0.00
2) Naphthalene-d8	10.68	136	798	0.40	ng/ul	0.00
6) Acenaphthene-d10	14.52	164	441	0.40	ng/ul	0.00
10) Phenanthrene-d10	17.26	188	1021	0.40	ng/ul	0.00
16) Chrysene-d12	21.44	240	1142	0.40	ng/ul	0.00
20) Perylene-d12	23.77	264	1170	0.40	ng/ul	0.00

System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	12.27	152	75	0.06	ng/ul	0.00
14) Fluoranthene-d10	19.29	212	199	0.06	ng/ul	0.00

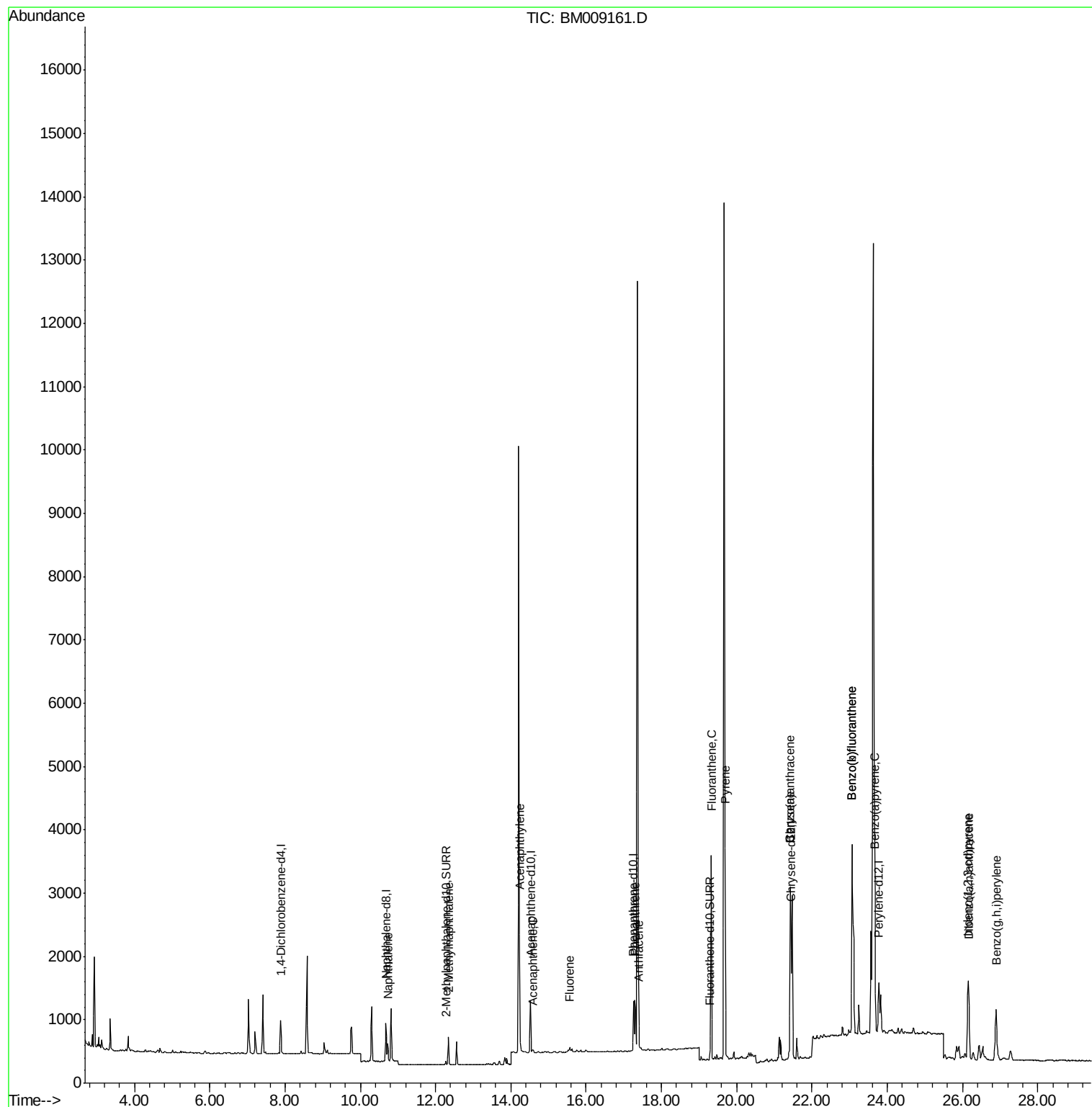
Target Compounds						Ovalue
3) Naphthalene	10.73	128	385	0.17	ng/ul#	71
5) 2-Methylnaphthalene	12.34	142	282	0.17	ng/ul	95
7) Acenaphthylene	14.23	152	180	0.08	ng/ul#	34
8) Acenaphthene	14.57	153	39	0.02	ng/ul#	74
9) Fluorene	15.56	166	63	0.03	ng/ul#	69
12) Phenanthrene	17.30	178	1180	0.37	ng/ul#	90
13) Anthracene	17.40	178	385	0.12	ng/ul#	73
15) Fluoranthene	19.33	202	3315	0.79	ng/ul	94
17) Pyrene	19.69	202	3311	0.84	ng/ul	98
18) Benzo(a)anthracene	21.42	228	3028	0.80	ng/ul	96
19) Chrysene	21.42	228	3028	0.84	ng/ul	96
21) Benzo(b)fluoranthene	23.07	252	6974	1.52	ng/ul	90
22) Benzo(k)fluoranthene	23.07	252	6974	1.72	ng/ul#	92
23) Benzo(a)pyrene	23.67	252	3089	0.75	ng/ul#	84
24) Indeno(1,2,3-cd)pyrene	26.15	276	2194	0.42	ng/ul#	88
25) Dibenzo(a,h)anthracene	26.16	278	584	0.13	ng/ul#	63
26) Benzo(a,h,i)perylene	26.89	276	1902	0.42	ng/ul#	92

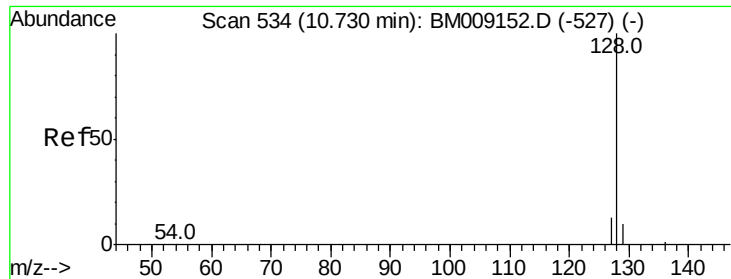
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Naphthalene

Concen: 0.17 ng/ul

RT: 10.73 min Scan# 534

Delta R.T. 0.00 min

Lab File: BM009161.D

Acq: 10 Mar 2017 00:33

Instrument :

BNA_M

ClientSampleId :

C0AK7DL

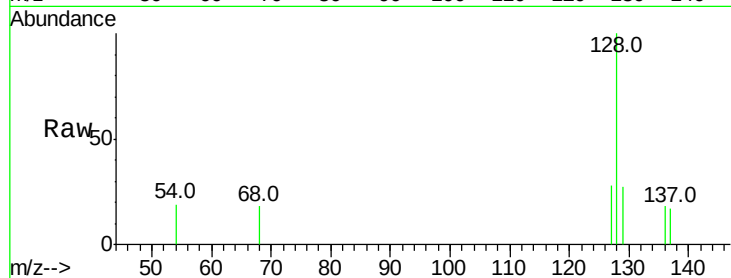
Tot Ion:128 Resp: 385

Ion Ratio Lower Upper

128 100

129 26.7 11.3 16.9#

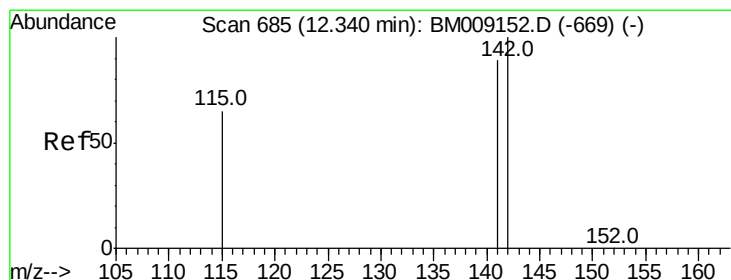
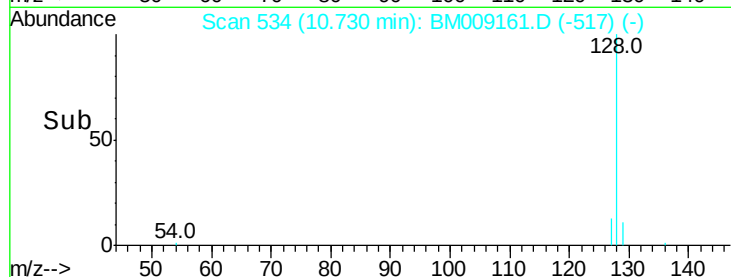
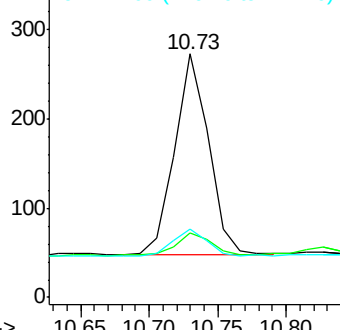
127 27.8 12.8 19.2#



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: 0.17 ng/ul

RT: 12.34 min Scan# 685

Delta R.T. 0.00 min

Lab File: BM009161.D

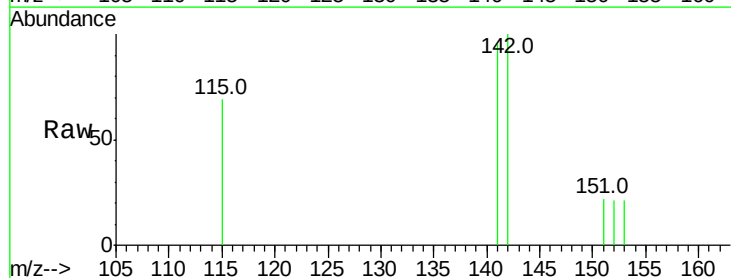
Acq: 10 Mar 2017 00:33

Tgt Ion:142 Resp: 282

Ion Ratio Lower Upper

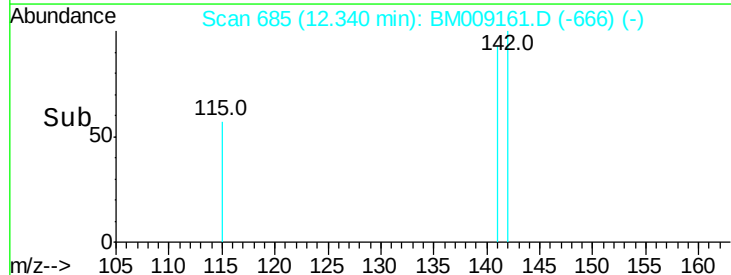
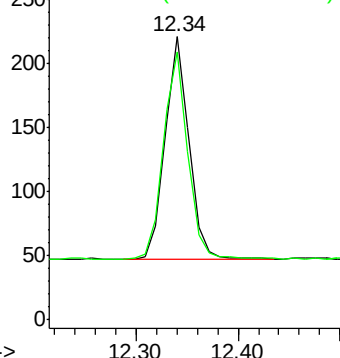
142 100

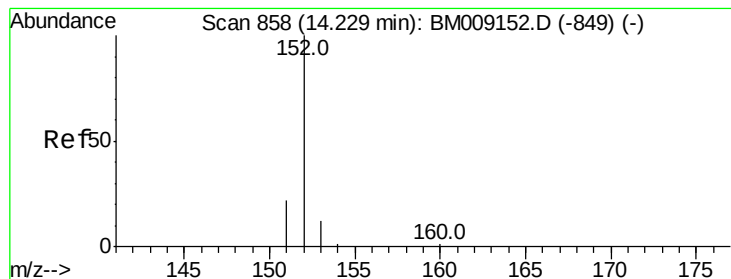
141 95.4 72.6 108.8



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#7

Acenaphthylene

Concen: 0.08 ng/ul

RT: 14.23 min Scan# 858

Delta R.T. 0.00 min

Lab File: BM009161.D

Acq: 10 Mar 2017 00:33

Instrument :

BNA_M

ClientSampleId :

C0AK7DL

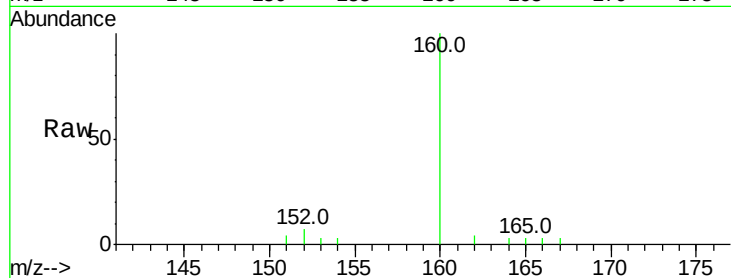
Tot Ion:152 Resp: 180

Ion Ratio Lower Upper

152 100

151 51.1 17.1 25.7#

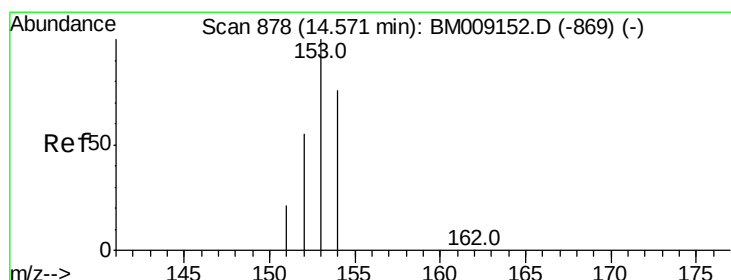
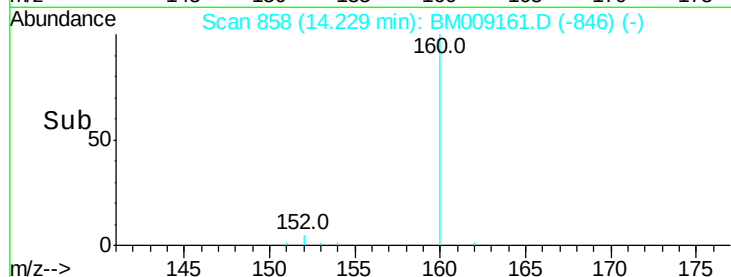
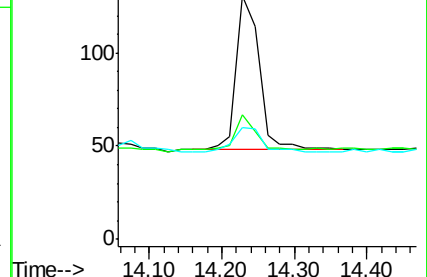
153 45.8 12.8 19.2#



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: 0.02 ng/ul

RT: 14.57 min Scan# 878

Delta R.T. 0.00 min

Lab File: BM009161.D

Acq: 10 Mar 2017 00:33

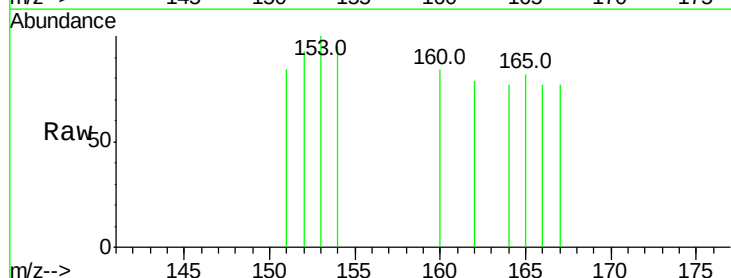
Tgt Ion:153 Resp: 39

Ion Ratio Lower Upper

153 100

152 93.4 40.3 60.5#

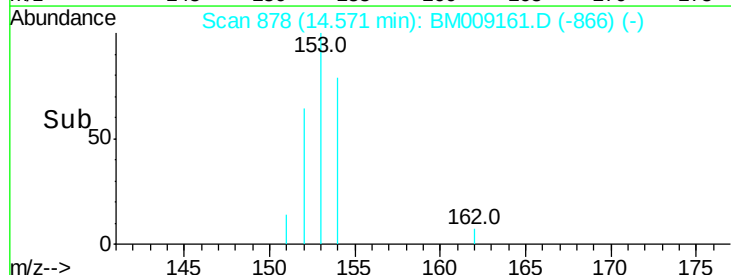
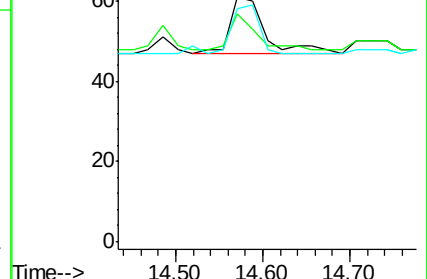
154 95.1 71.4 107.2

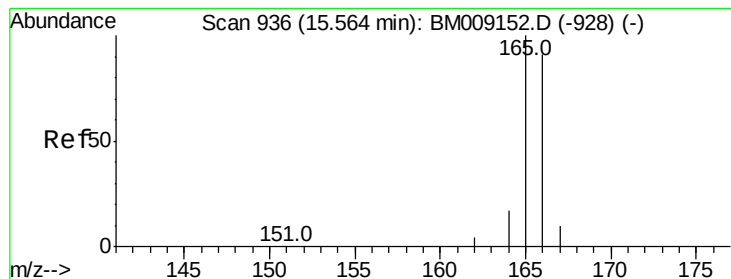


Abundance Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

Ion 154.00 (153.70 to 154.70): E





#9

Fluorene

Concen: 0.03 ng/ul

RT: 15.56 min Scan# 936

Delta R.T. 0.00 min

Lab File: BM009161.D

Acq: 10 Mar 2017 00:33

Instrument :

BNA_M

ClientSampleId :

C0AK7DL

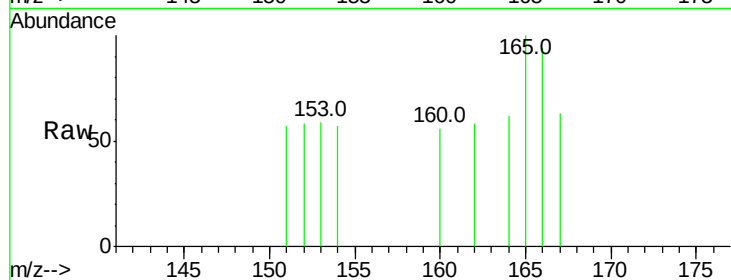
Tot Ion:166 Resp: 63

Ion Ratio Lower Upper

166 100

165 106.2 73.4 110.2

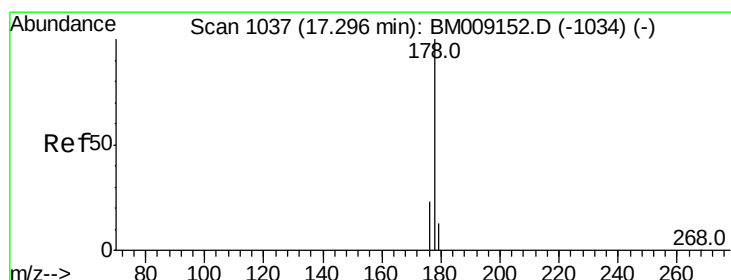
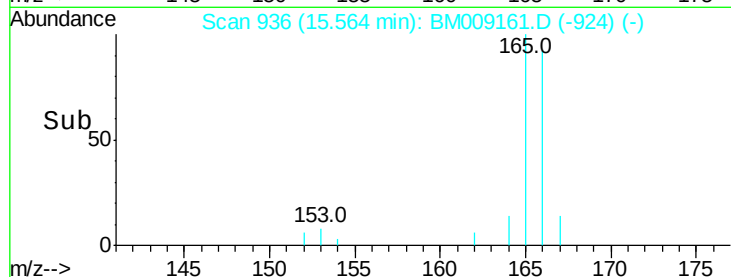
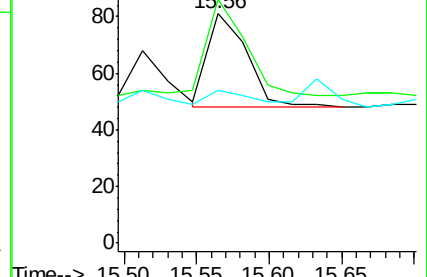
167 66.7 14.6 22.0#



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



#12

Phenanthrene

Concen: 0.37 ng/ul

RT: 17.30 min Scan# 1037

Delta R.T. 0.00 min

Lab File: BM009161.D

Acq: 10 Mar 2017 00:33

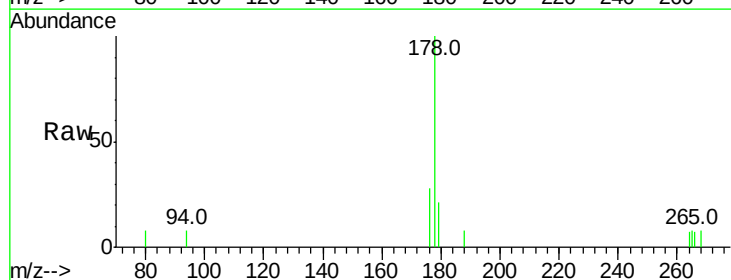
Tgt Ion:178 Resp: 1180

Ion Ratio Lower Upper

178 100

176 27.9 18.4 27.6#

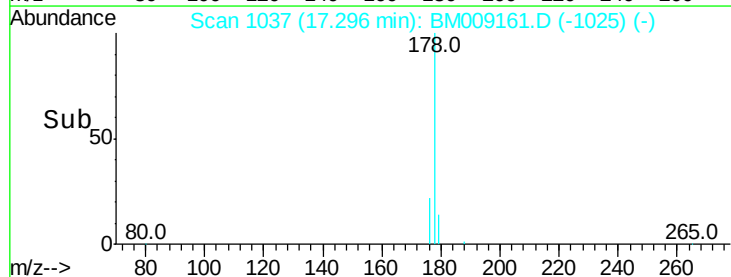
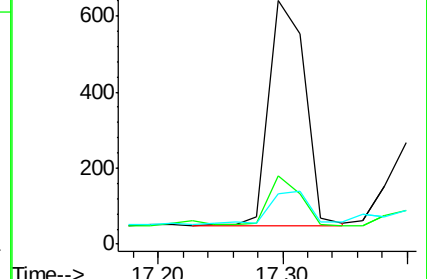
179 20.7 13.6 20.4#

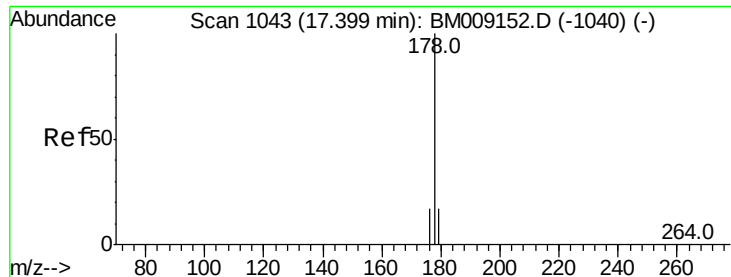


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#13

Anthracene

Concen: 0.12 ng/ul

RT: 17.40 min Scan# 1043

Delta R.T. 0.00 min

Lab File: BM009161.D

Acq: 10 Mar 2017 00:33

Instrument :

BNA_M

ClientSampleId :

C0AK7DL

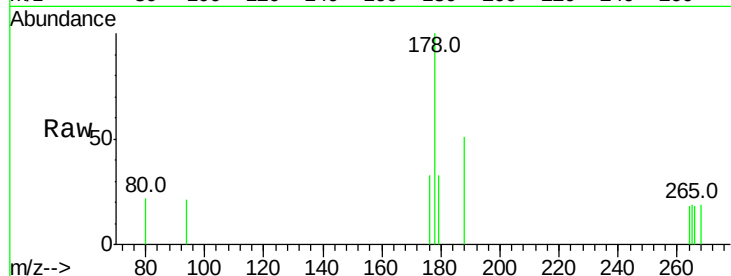
Tot Ion:178 Resp: 385

Ion Ratio Lower Upper

178 100

176 33.2 18.1 27.1#

179 32.8 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

800

600

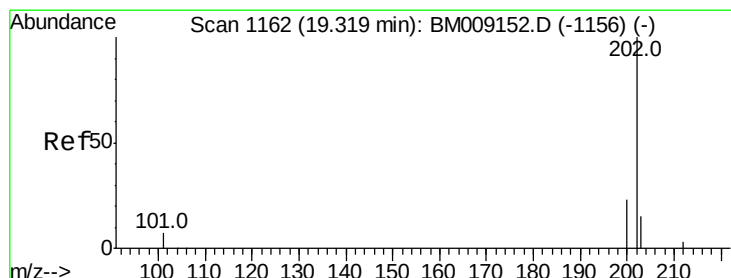
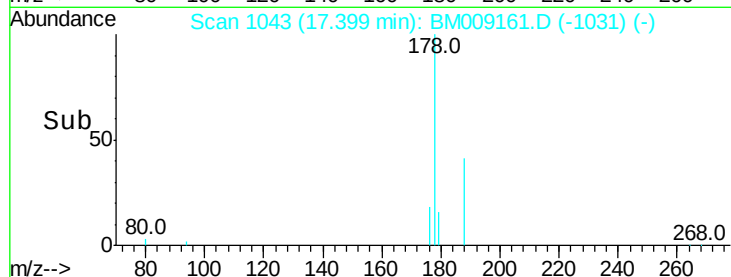
400

200

0

17.30 17.40 17.50

Time-->



#15

Fluoranthene

Concen: 0.79 ng/ul

RT: 19.33 min Scan# 1163

Delta R.T. 0.01 min

Lab File: BM009161.D

Acq: 10 Mar 2017 00:33

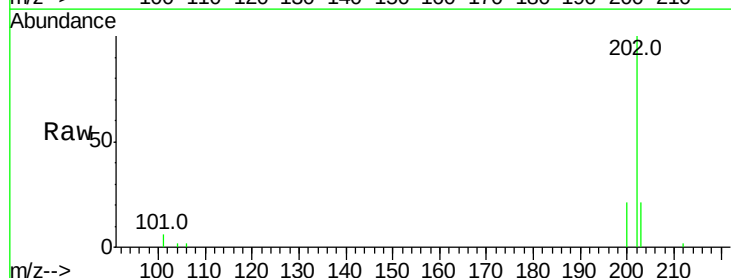
Tgt Ion:202 Resp: 3315

Ion Ratio Lower Upper

202 100

101 5.6 0.0 30.3

203 20.7 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

3000

2500

2000

1500

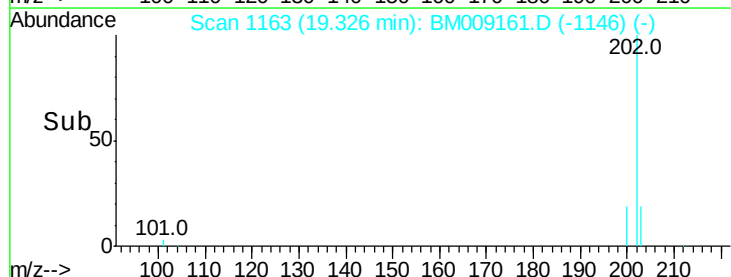
1000

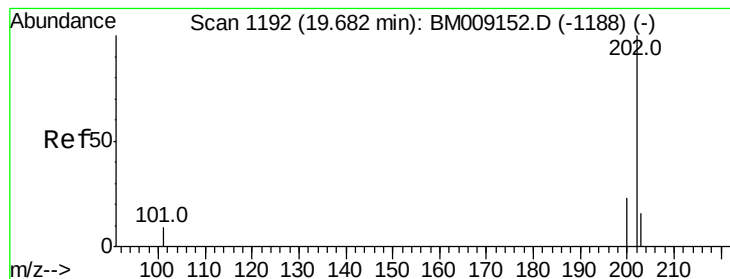
500

0

19.20 19.30 19.40 19.50

Time-->





#17

Pvrene

Concen: 0.84 ng/ul

RT: 19.69 min Scan# 1193

Delta R.T. 0.01 min

Lab File: BM009161.D

Acq: 10 Mar 2017 00:33

Instrument :

BNA_M

ClientSampleId :

C0AK7DL

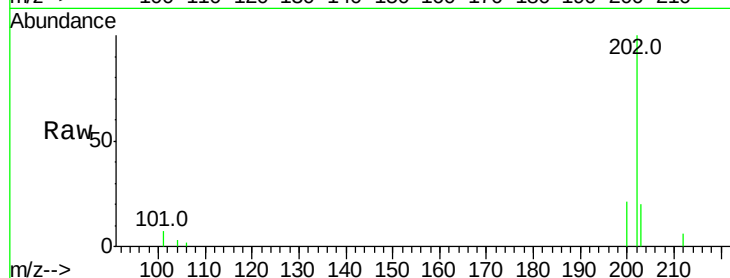
Tot Ion:202 Resp: 3311

Ion Ratio Lower Upper

202 100

200 21.3 18.2 27.4

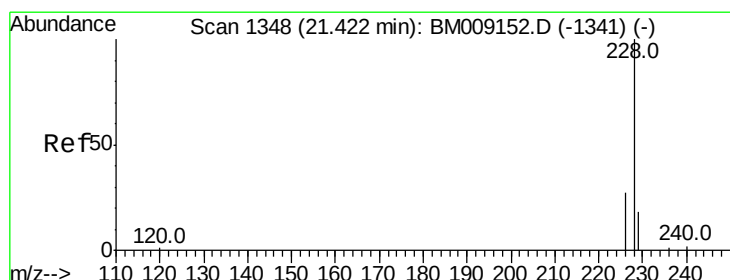
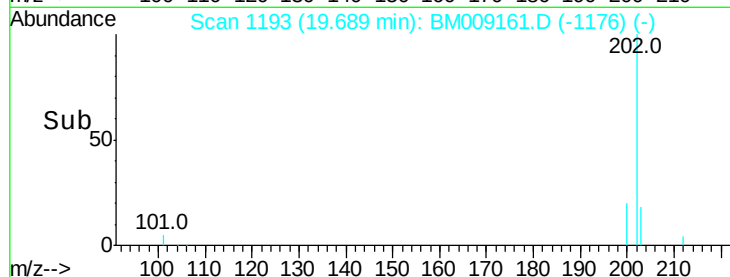
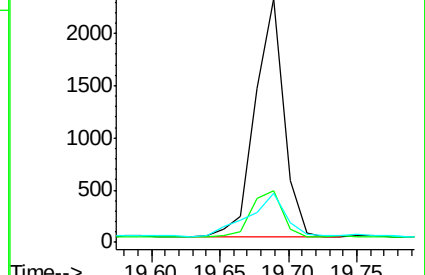
203 20.1 15.6 23.4



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: 0.80 ng/ul

RT: 21.42 min Scan# 1348

Delta R.T. -0.00 min

Lab File: BM009161.D

Acq: 10 Mar 2017 00:33

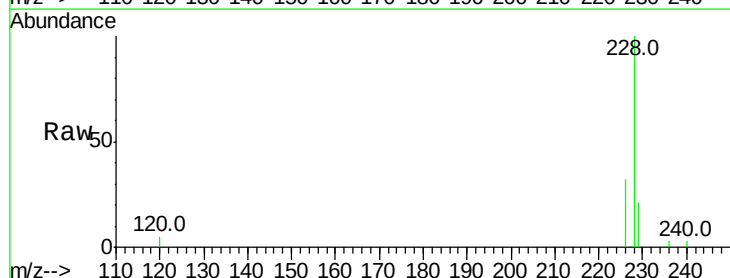
Tgt Ion:228 Resp: 3028

Ion Ratio Lower Upper

228 100

226 32.3 22.8 34.2

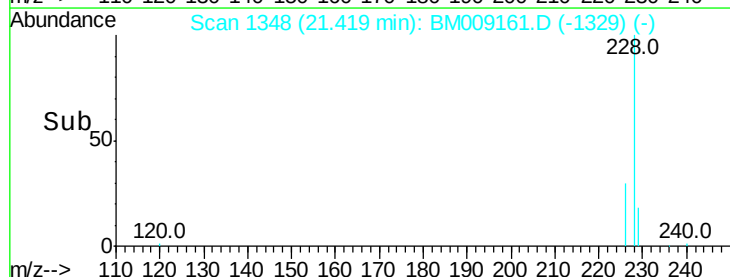
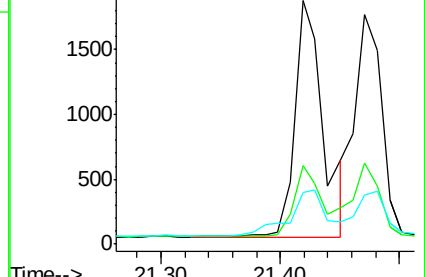
229 21.3 17.0 25.6

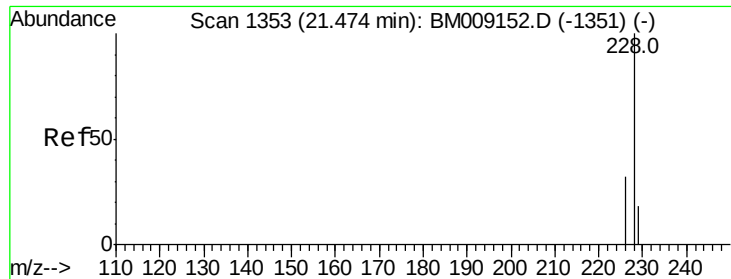


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#19

Chrysene

Concen: 0.84 ng/ul

RT: 21.42 min Scan# 1348

Delta R.T. -0.06 min

Lab File: BM009161.D

Acq: 10 Mar 2017 00:33

Instrument :

BNA_M

ClientSampleId :

C0AK7DL

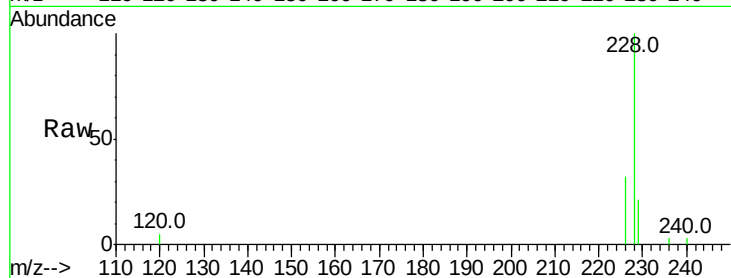
Tot Ion:228 Resp: 3028

Ion Ratio Lower Upper

228 100

226 32.3 23.4 35.0

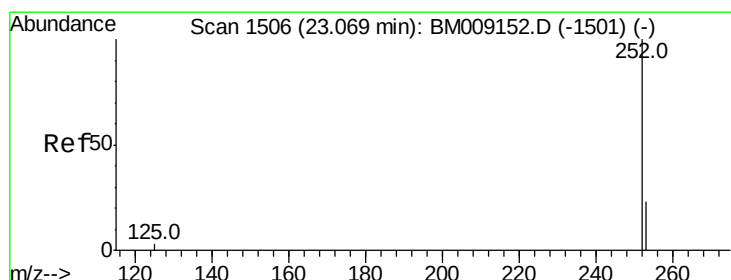
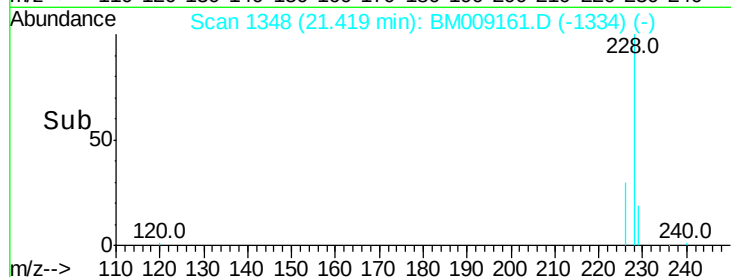
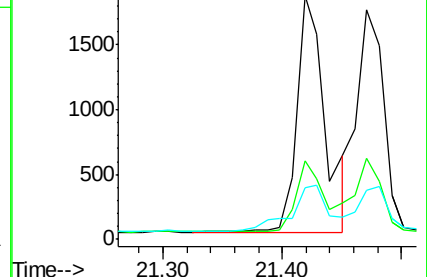
229 21.3 17.7 26.5



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: 1.52 ng/ul

RT: 23.07 min Scan# 1506

Delta R.T. -0.00 min

Lab File: BM009161.D

Acq: 10 Mar 2017 00:33

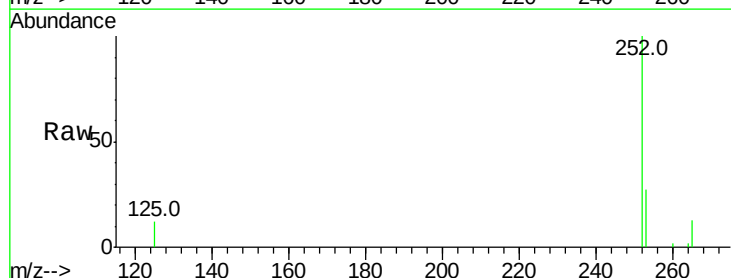
Tgt Ion:252 Resp: 6974

Ion Ratio Lower Upper

252 100

253 27.5 0.0 64.2

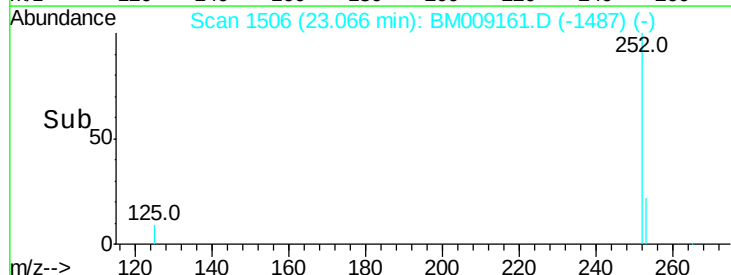
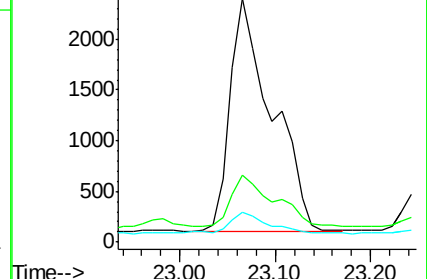
125 12.1 0.0 35.0

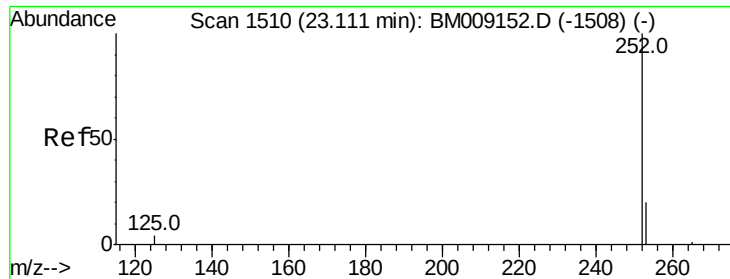


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

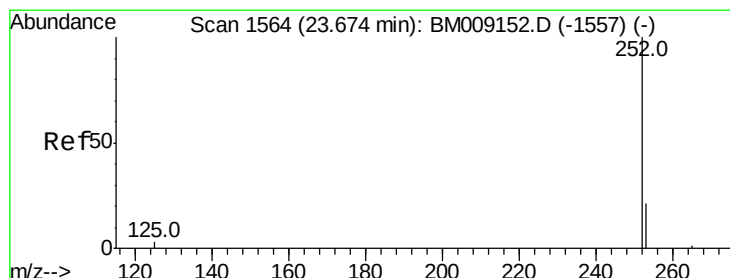
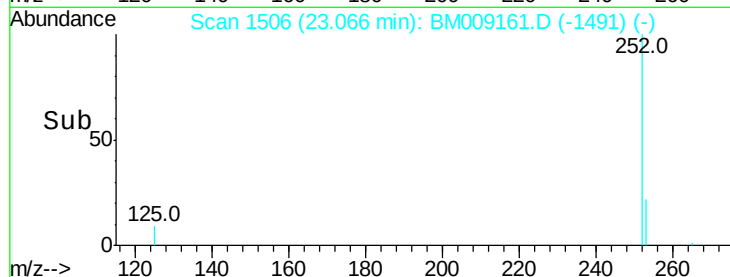
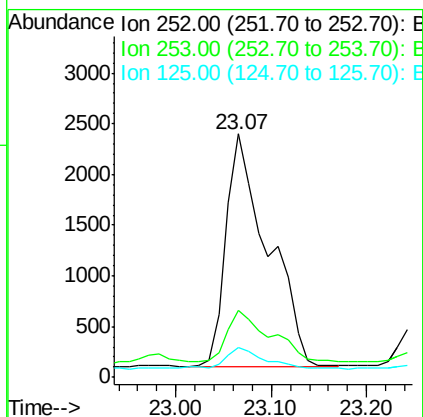
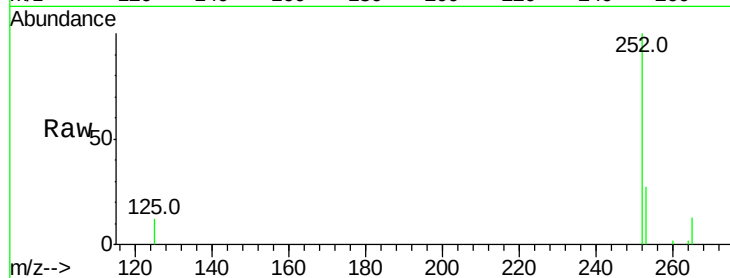




#22
Benzo(k)fluoranthene
Concen: 1.72 ng/ul
RT: 23.07 min Scan# 1506
Delta R.T. -0.05 min
Lab File: BM009161.D
Acq: 10 Mar 2017 00:33

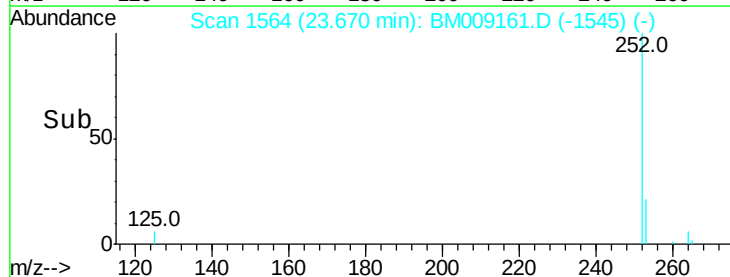
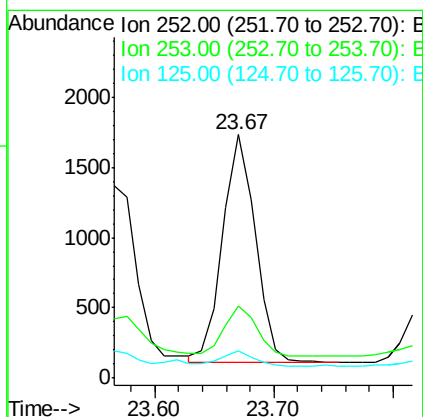
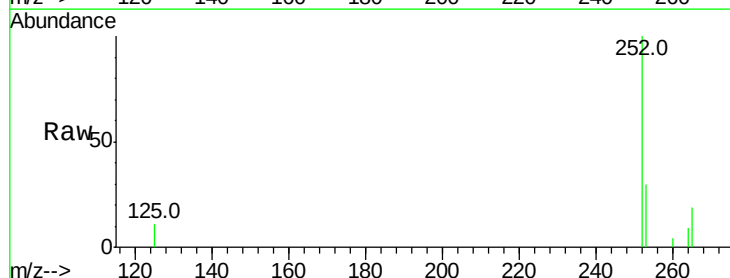
Instrument :
BNA_M
ClientSampleId :
C0AK7DL

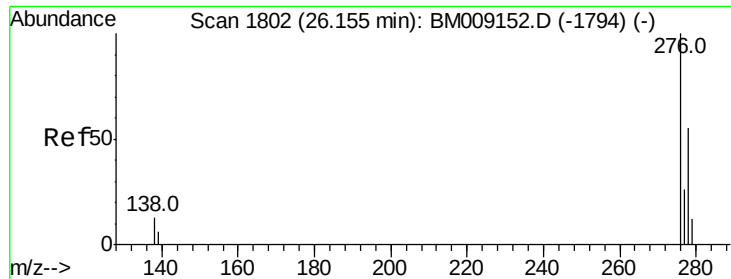
Tot Ion:252 Resp: 6974
Ion Ratio Lower Upper
252 100
253 27.5 24.5 36.7
125 12.1 13.7 20.5#



#23
Benzo(a)pyrene
Concen: 0.75 ng/ul
RT: 23.67 min Scan# 1564
Delta R.T. -0.00 min
Lab File: BM009161.D
Acq: 10 Mar 2017 00:33

Tgt Ion:252 Resp: 3089
Ion Ratio Lower Upper
252 100
253 29.7 28.5 42.7
125 11.0 18.1 27.1#





#24

Indeno(1,2,3-cd)pyrene

Concen: 0.42 ng/ul

RT: 26.15 min Scan# 1802

Delta R.T. -0.00 min

Lab File: BM009161.D

Acq: 10 Mar 2017 00:33

Instrument :

BNA_M

ClientSampleId :

C0AK7DL

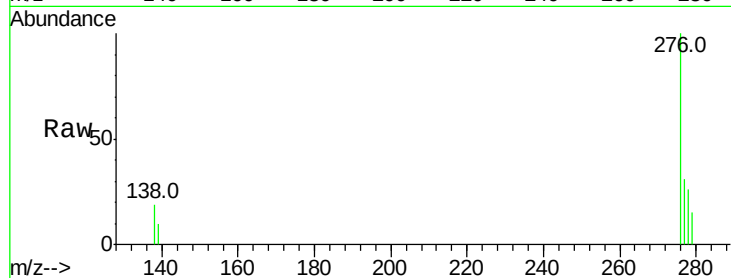
Tot Ion:276 Resp: 2194

Ion Ratio Lower Upper

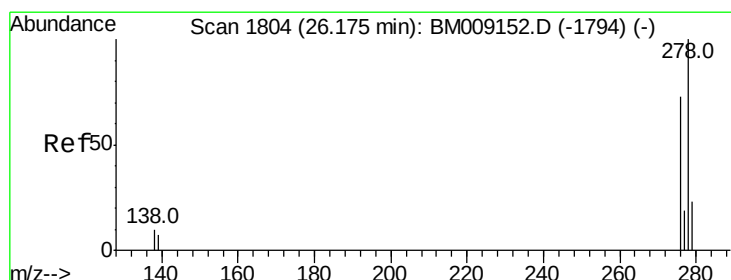
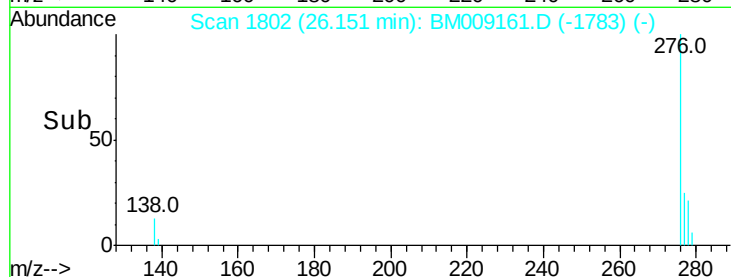
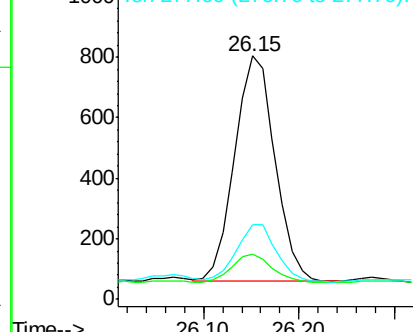
276 100

138 12.8 19.1 28.7#

277 25.3 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: 0.13 ng/ul

RT: 26.16 min Scan# 1803

Delta R.T. -0.01 min

Lab File: BM009161.D

Acq: 10 Mar 2017 00:33

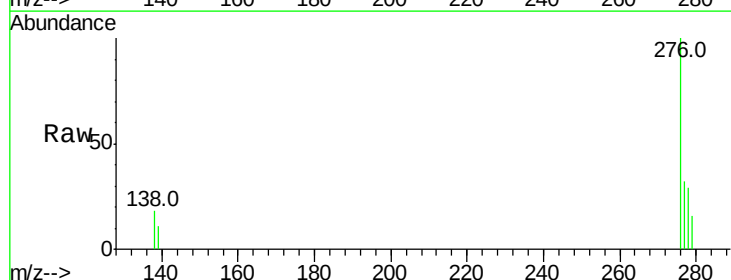
Tgt Ion:278 Resp: 584

Ion Ratio Lower Upper

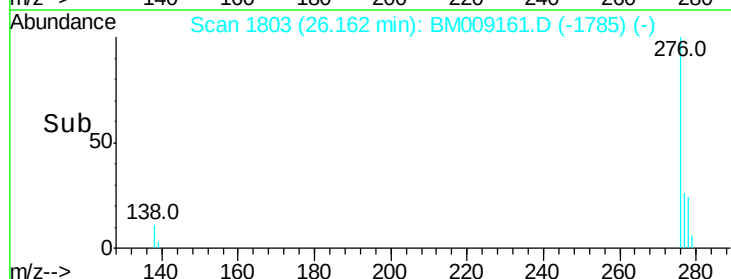
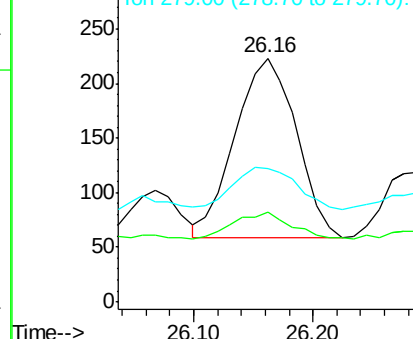
278 100

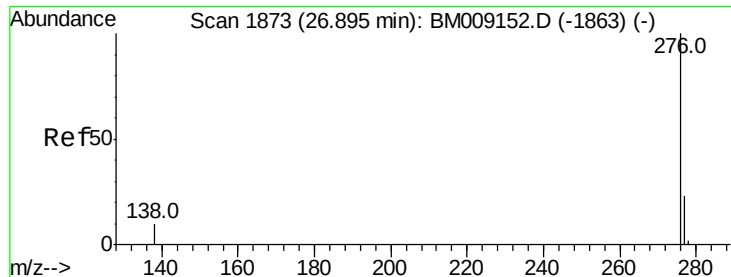
139 36.8 17.4 26.0#

279 54.7 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(a,h,i)perylene

Concen: 0.42 ng/ul

RT: 26.89 min Scan# 1873

Delta R.T. -0.00 min

Lab File: BM009161.D

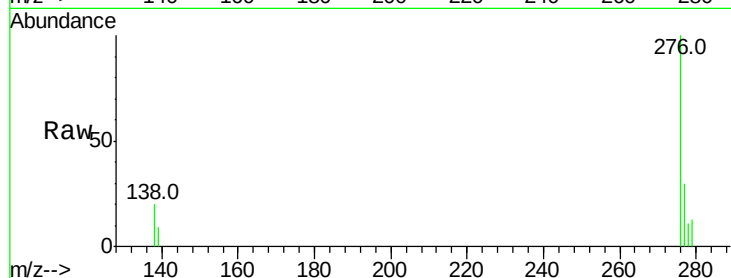
Acq: 10 Mar 2017 00:33

Instrument :

BNA_M

ClientSampleId :

C0AK7DL



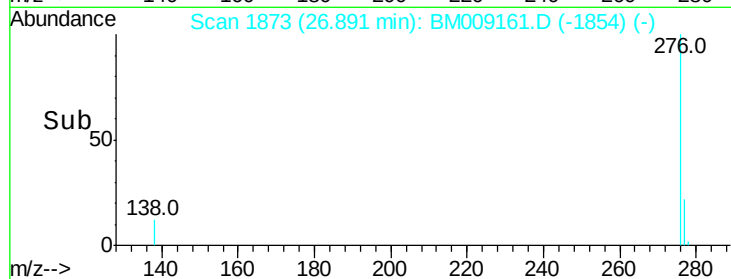
Tot Ion:276 Resp: 1902

Ion Ratio Lower Upper

276 100

277 29.6 21.8 32.8

138 19.6 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

