

Data Path : Z:\HPCHEM1\BNA M\DATA\BM030917\
 Data File : BM009163.D
 Acq On : 10 Mar 2017 01:45
 Operator : SJ/MA
 Sample : I2062-06DL 5X
 Misc :
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 C0AC7DL

Quant Time: Mar 10 03:18:20 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	224	0.40	ng/ul	0.00
2) Naphthalene-d8	10.68	136	680	0.40	ng/ul	0.00
6) Acenaphthene-d10	14.52	164	392	0.40	ng/ul	0.00
10) Phenanthrene-d10	17.26	188	883	0.40	ng/ul	0.00
16) Chrysene-d12	21.44	240	1213	0.40	ng/ul	0.00
20) Perylene-d12	23.77	264	1225	0.40	ng/ul	0.00

System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	12.27	152	67	0.06	ng/ul	0.00
14) Fluoranthene-d10	19.29	212	198	0.07	ng/ul	0.00

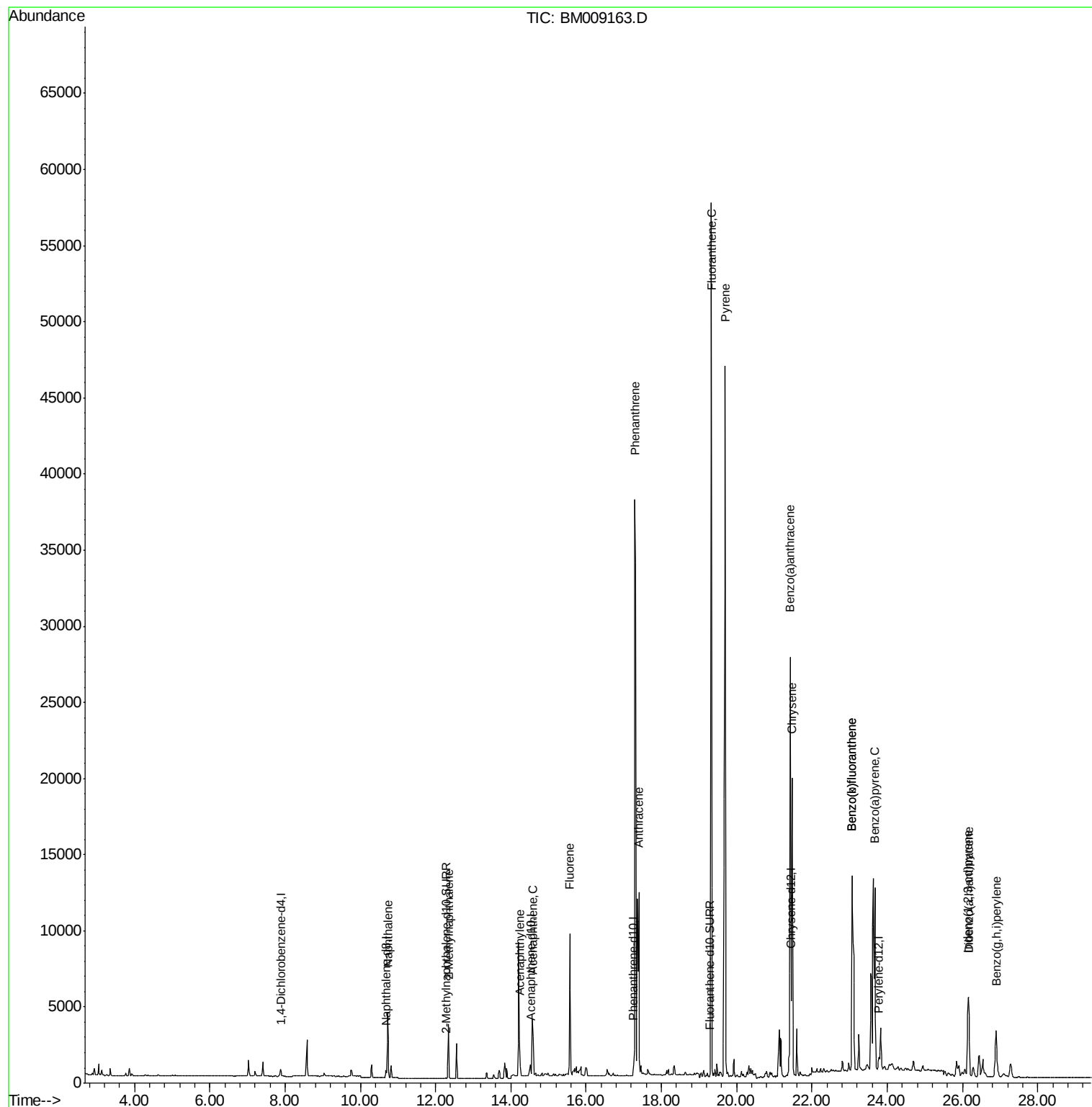
Target Compounds						Ovalue
3) Naphthalene	10.73	128	5875	3.00	ng/ul	96
5) 2-Methylnaphthalene	12.34	142	2252	1.60	ng/ul	99
7) Acenaphthylene	14.23	152	1168	0.57	ng/ul#	87
8) Acenaphthene	14.57	153	2718	1.74	ng/ul	88
9) Fluorene	15.56	166	7075	3.86	ng/ul#	80
12) Phenanthrene	17.30	178	56314	20.31	ng/ul	97
13) Anthracene	17.40	178	14553	5.31	ng/ul#	93
15) Fluoranthene	19.33	202	58407	16.15	ng/ul	93
17) Pyrene	19.69	202	46029	11.03	ng/ul	95
18) Benzo(a)anthracene	21.42	228	27286	6.77	ng/ul	95
19) Chrysene	21.47	228	18973	4.96	ng/ul	94
21) Benzo(b)fluoranthene	23.07	252	32324	6.72	ng/ul	81
22) Benzo(k)fluoranthene	23.07	252	32324	7.60	ng/ul#	83
23) Benzo(a)pyrene	23.67	252	17409	4.02	ng/ul#	75
24) Indeno(1,2,3-cd)pyrene	26.15	276	9293	1.69	ng/ul#	88
25) Dibenzo(a,h)anthracene	26.16	278	2667	0.58	ng/ul#	93
26) Benzo(a,h,i)perylene	26.89	276	7181	1.53	ng/ul#	88

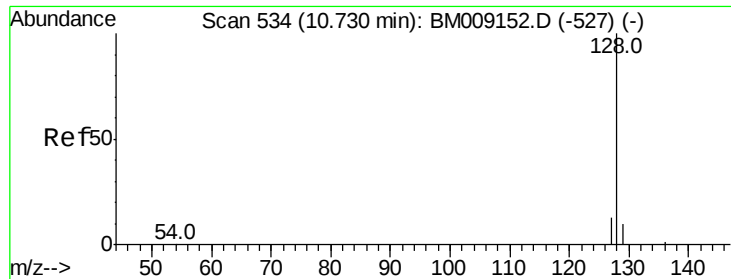
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\HPCHEM1\BNA M\DATA\BM030917\
Data File : BM009163.D
Acq On : 10 Mar 2017 01:45
Operator : SJ/MA
Sample : I2062-06DL 5X
Misc :
ALS Vial : 26 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
C0AC7DL

Quant Time: Mar 10 03:18:20 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





#3

Naphthalene

Concen: 3.00 ng/ul

RT: 10.73 min Scan# 534

Delta R.T. 0.00 min

Lab File: BM009163.D

Acq: 10 Mar 2017 01:45

Instrument :

BNA_M

ClientSampleId :

C0AC7DL

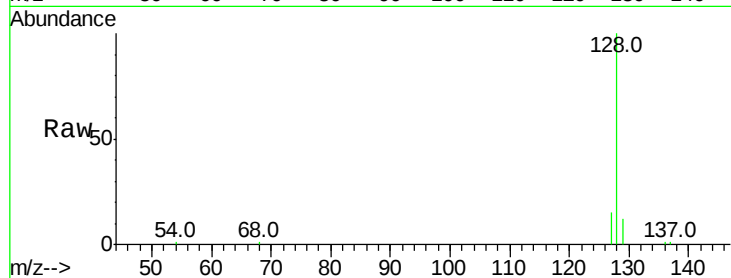
Tot Ion:128 Resp: 5875

Ion Ratio Lower Upper

128 100

129 11.9 11.3 16.9

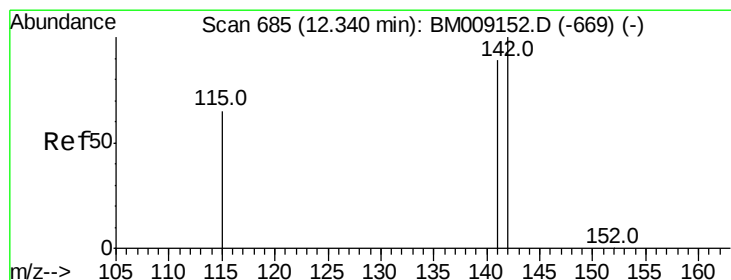
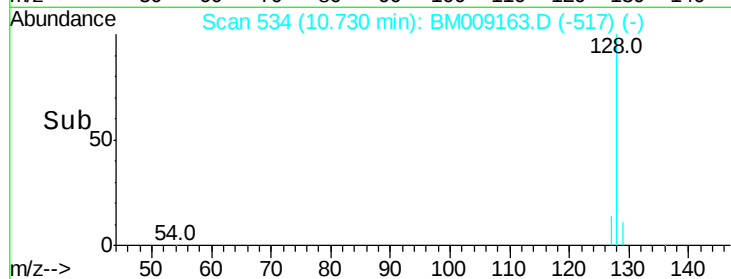
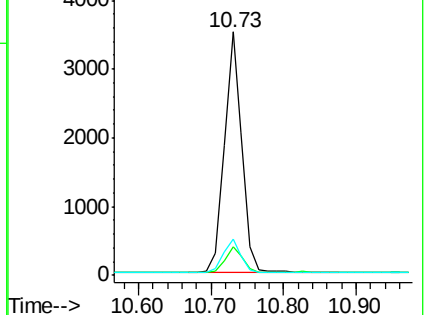
127 14.9 12.8 19.2



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: 1.60 ng/ul

RT: 12.34 min Scan# 685

Delta R.T. 0.00 min

Lab File: BM009163.D

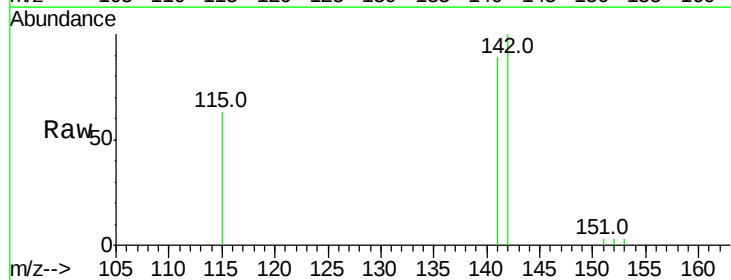
Acq: 10 Mar 2017 01:45

Tgt Ion:142 Resp: 2252

Ion Ratio Lower Upper

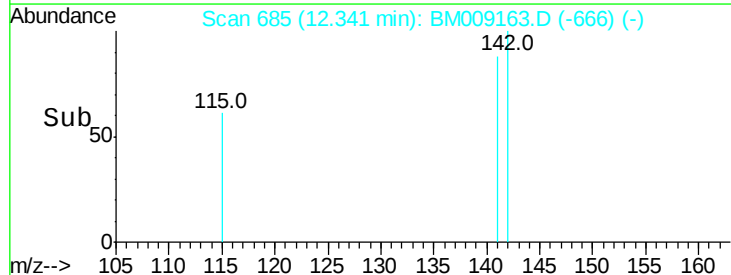
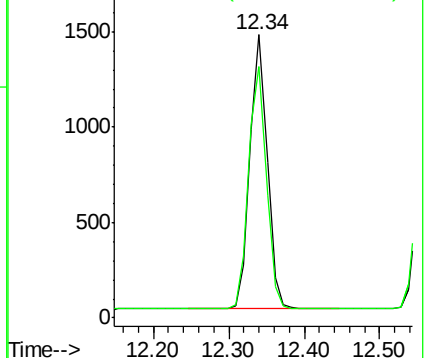
142 100

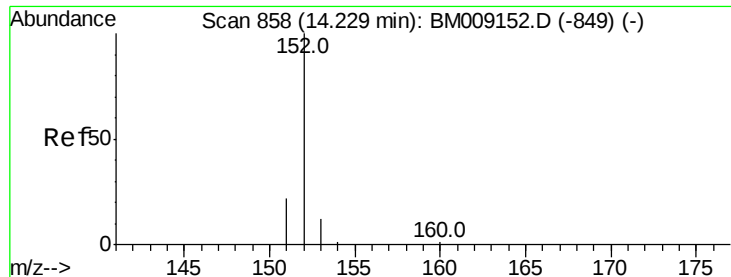
141 91.3 72.6 108.8



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#7

Acenaphthylene

Concen: 0.57 ng/ul

RT: 14.23 min Scan# 858

Delta R.T. 0.00 min

Lab File: BM009163.D

Acq: 10 Mar 2017 01:45

Instrument :

BNA_M

ClientSampleId :

C0AC7DL

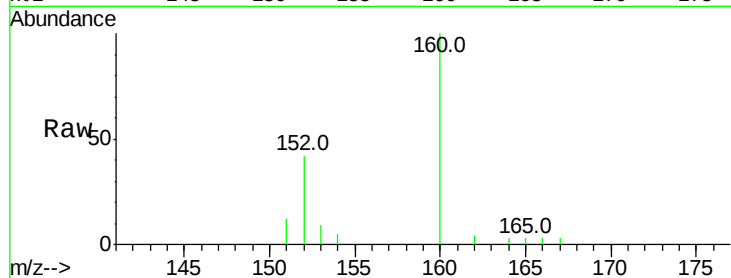
Tot Ion:152 Resp: 1168

Ion Ratio Lower Upper

152 100

151 28.4 17.1 25.7#

153 20.5 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

14.23

600

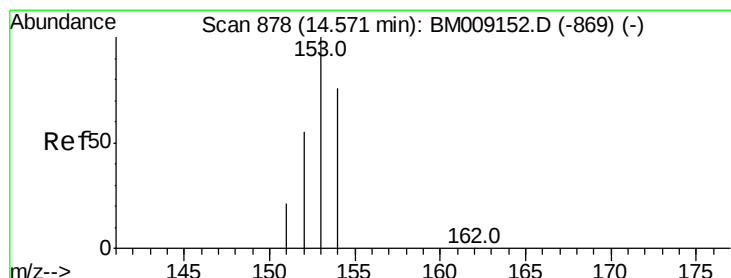
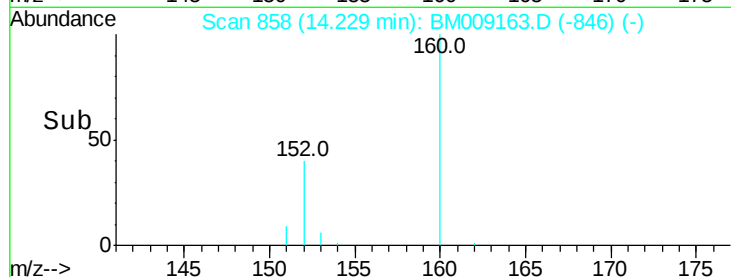
400

200

0

14.10 14.20 14.30 14.40

Time-->



#8

Acenaphthene

Concen: 1.74 ng/ul

RT: 14.57 min Scan# 878

Delta R.T. 0.00 min

Lab File: BM009163.D

Acq: 10 Mar 2017 01:45

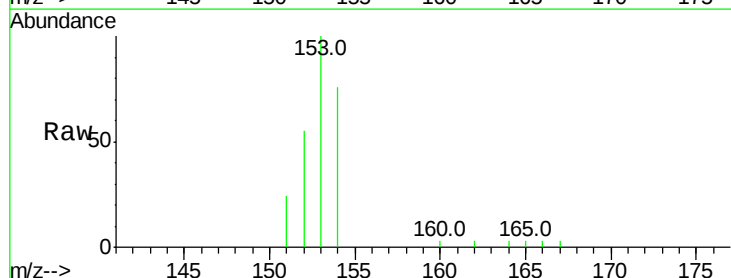
Tgt Ion:153 Resp: 2718

Ion Ratio Lower Upper

153 100

152 55.0 40.3 60.5

154 75.8 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

14.57

2000

1500

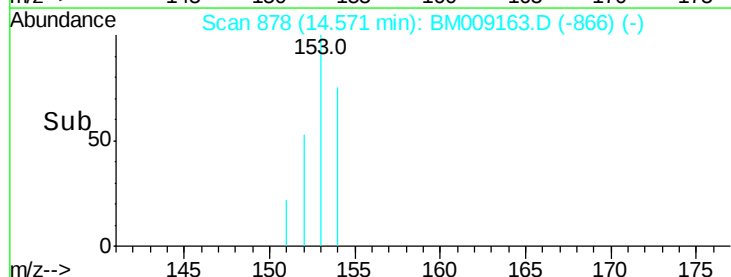
1000

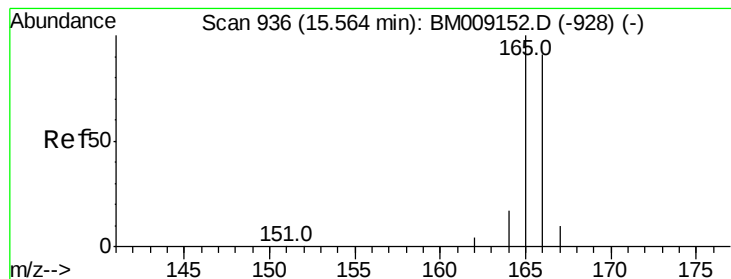
500

0

14.50 14.55 14.60 14.65

Time-->





#9

Fluorene

Concen: 3.86 ng/ul

RT: 15.56 min Scan# 936

Delta R.T. 0.00 min

Lab File: BM009163.D

Acq: 10 Mar 2017 01:45

Instrument :

BNA_M

ClientSampleId :

C0AC7DL

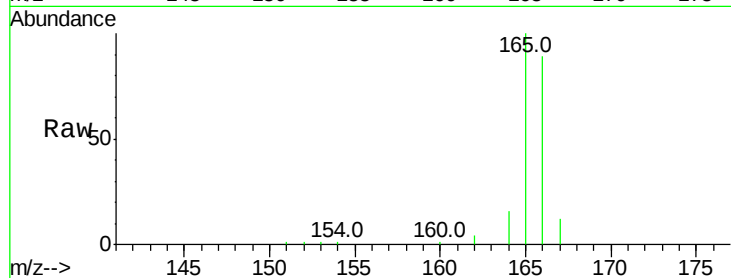
Tot Ion:166 Resp: 7075

Ion Ratio Lower Upper

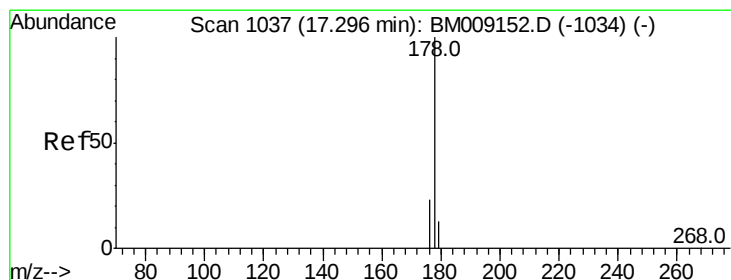
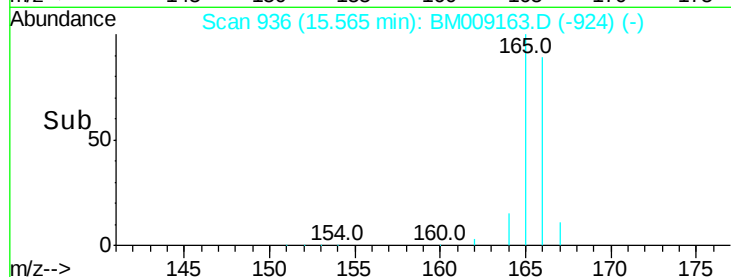
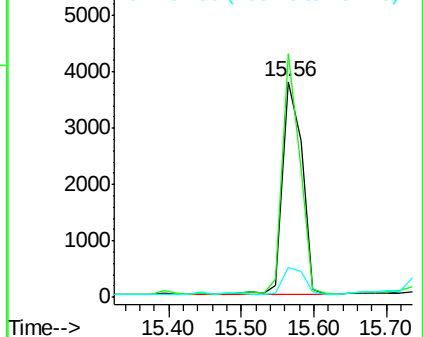
166 100

165 112.9 73.4 110.2#

167 13.6 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: 20.31 ng/ul

RT: 17.30 min Scan# 1037

Delta R.T. 0.00 min

Lab File: BM009163.D

Acq: 10 Mar 2017 01:45

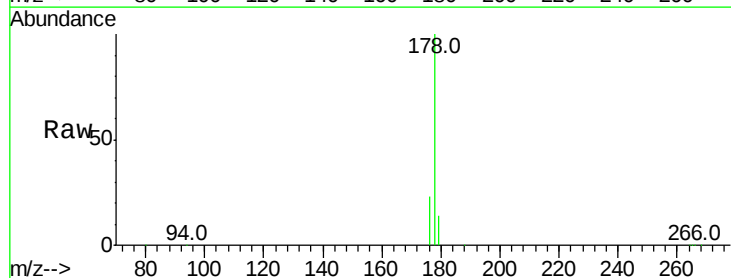
Tgt Ion:178 Resp: 56314

Ion Ratio Lower Upper

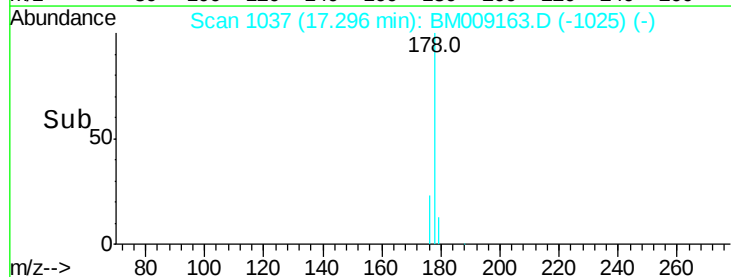
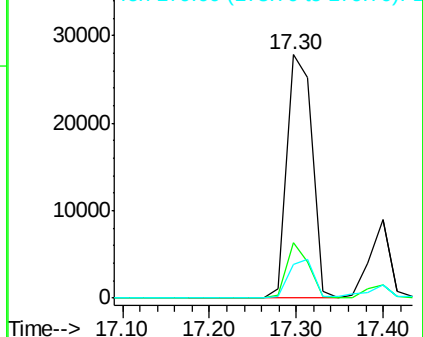
178 100

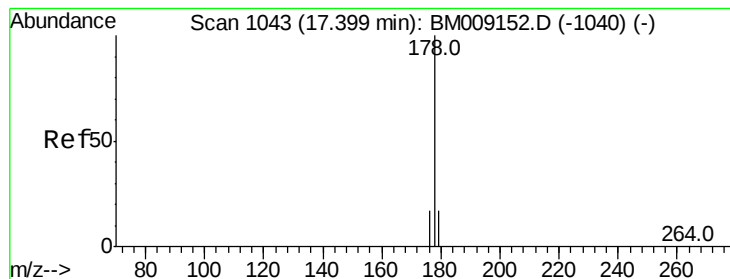
176 22.9 18.4 27.6

179 13.6 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: 5.31 ng/ul

RT: 17.40 min Scan# 1043

Delta R.T. 0.00 min

Lab File: BM009163.D

Acq: 10 Mar 2017 01:45

Instrument :

BNA_M

ClientSampleId :

C0AC7DL

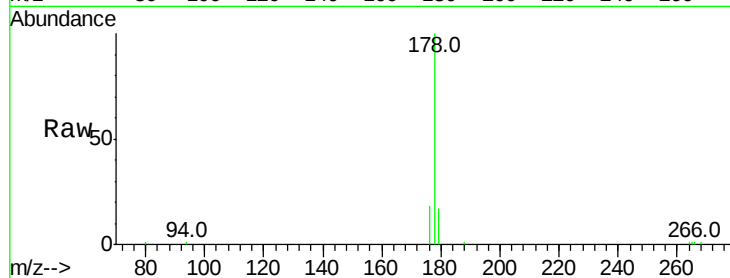
Tot Ion:178 Resp: 14553

Ion Ratio Lower Upper

178 100

176 17.6 18.1 27.1#

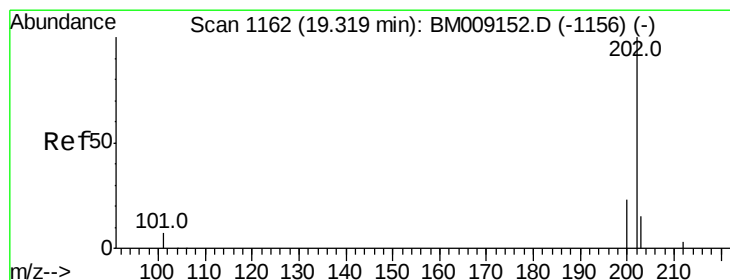
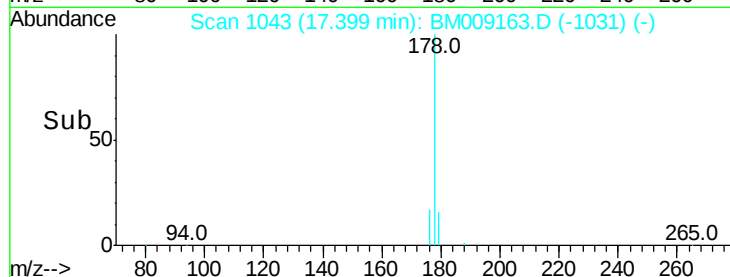
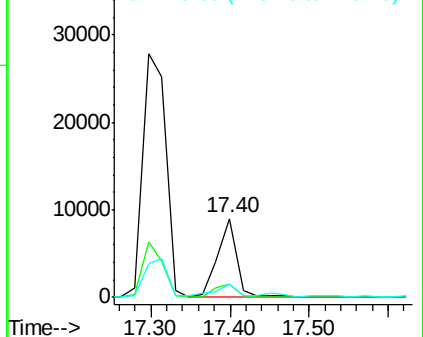
179 16.8 14.7 22.1



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: 16.15 ng/ul

RT: 19.33 min Scan# 1163

Delta R.T. 0.01 min

Lab File: BM009163.D

Acq: 10 Mar 2017 01:45

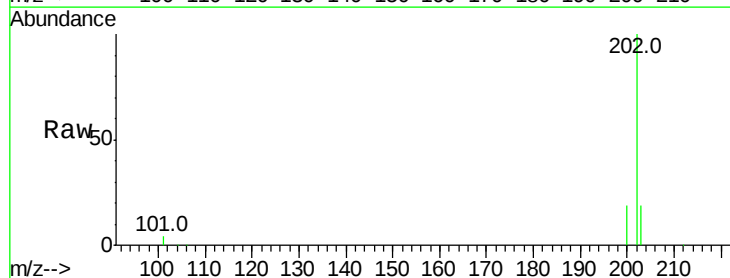
Tgt Ion:202 Resp: 58407

Ion Ratio Lower Upper

202 100

101 3.8 0.0 30.3

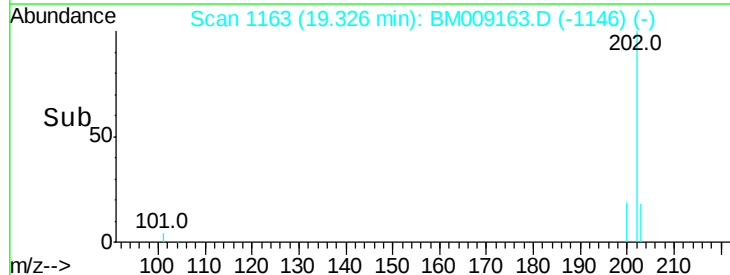
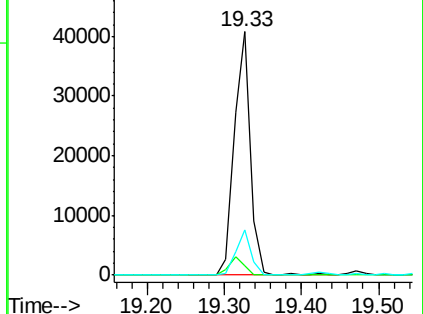
203 18.6 0.0 39.5

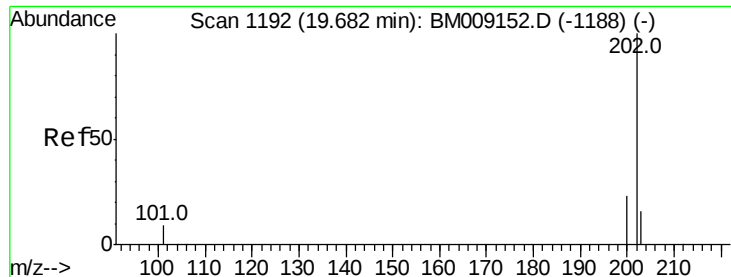


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E





#17

Pvrene

Concen: 11.03 ng/ul

RT: 19.69 min Scan# 1193

Delta R.T. 0.01 min

Lab File: BM009163.D

Acq: 10 Mar 2017 01:45

Instrument :

BNA_M

ClientSampleId :

C0AC7DL

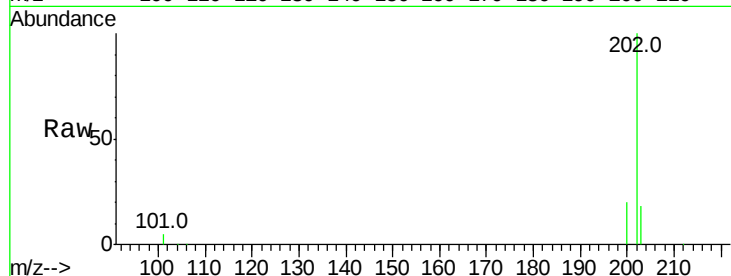
Tot Ion:202 Resp: 46029

Ion Ratio Lower Upper

202 100

200 19.7 18.2 27.4

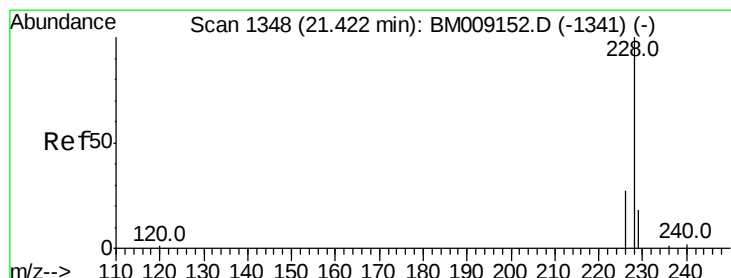
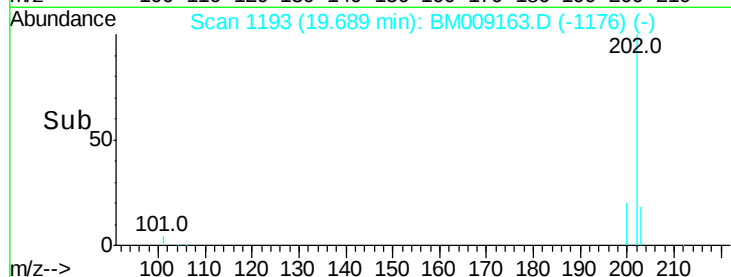
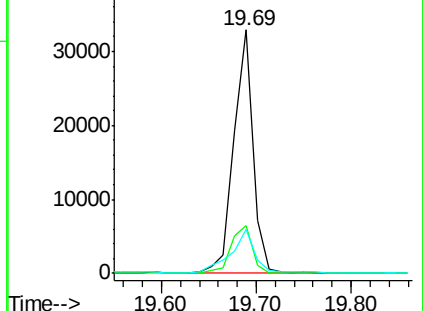
203 18.0 15.6 23.4



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: 6.77 ng/ul

RT: 21.42 min Scan# 1348

Delta R.T. -0.00 min

Lab File: BM009163.D

Acq: 10 Mar 2017 01:45

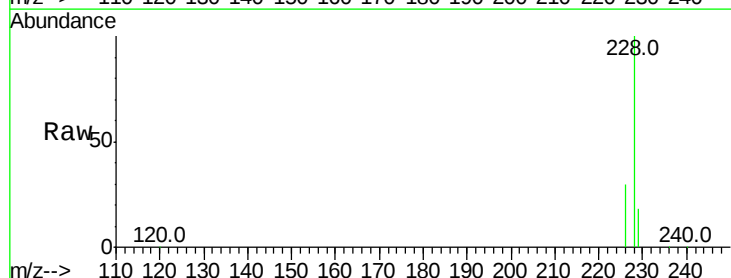
Tgt Ion:228 Resp: 27286

Ion Ratio Lower Upper

228 100

226 30.3 22.8 34.2

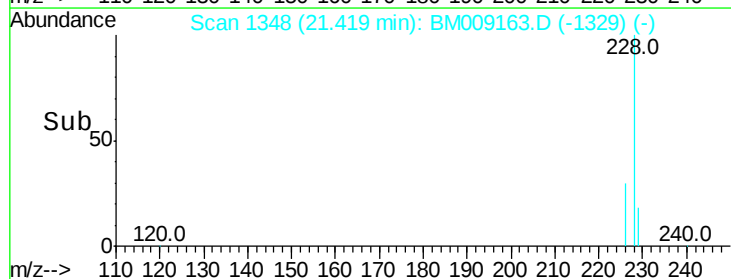
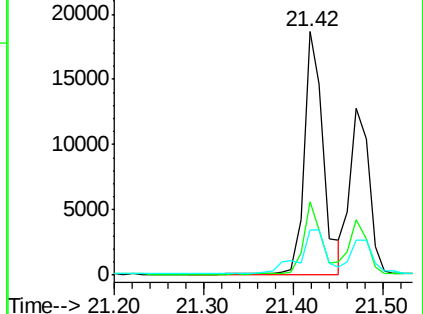
229 18.5 17.0 25.6

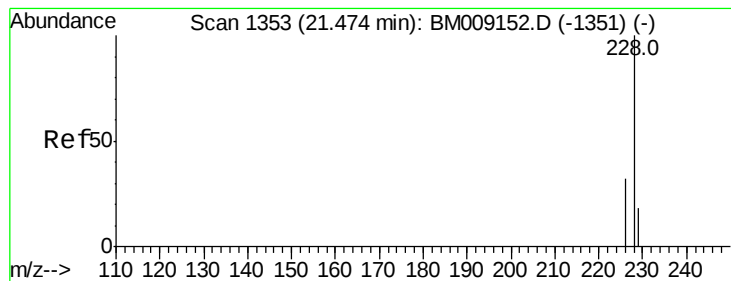


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#19

Chrysene

Concen: 4.96 ng/uL

RT: 21.47 min Scan# 1353

Delta R.T. -0.00 min

Lab File: BM009163.D

Acq: 10 Mar 2017 01:45

Instrument :

BNA_M

ClientSampleId :

C0AC7DL

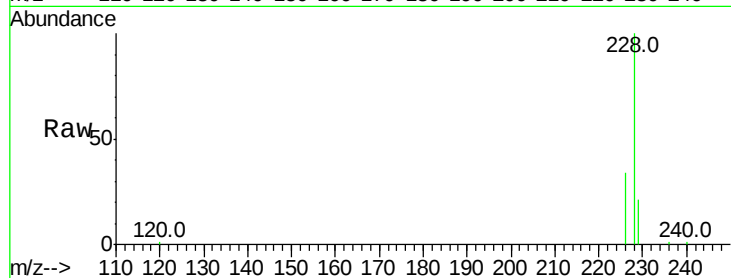
Tot Ion:228 Resp: 18973

Ion Ratio Lower Upper

228 100

226 33.5 23.4 35.0

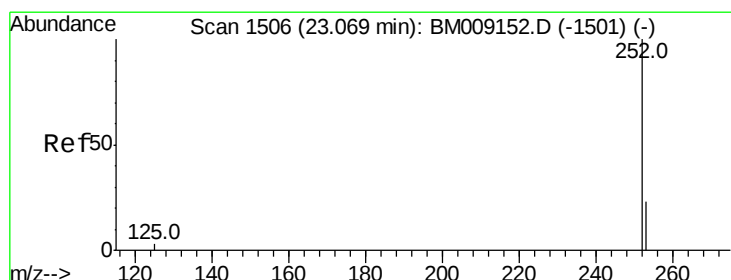
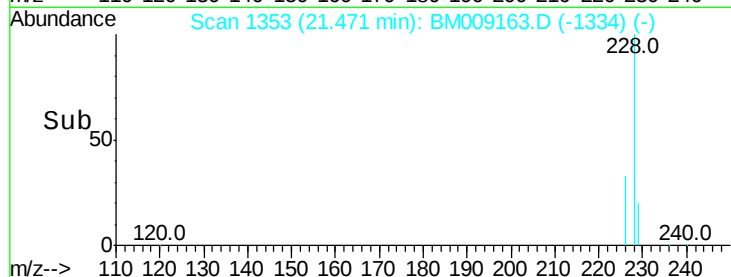
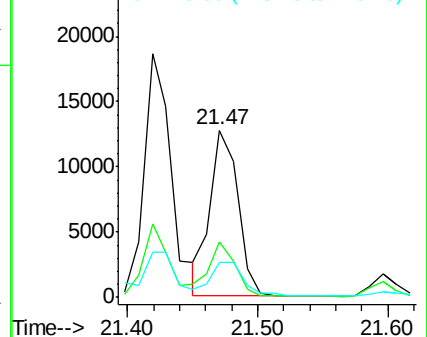
229 21.0 17.7 26.5



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: 6.72 ng/uL

RT: 23.07 min Scan# 1506

Delta R.T. -0.00 min

Lab File: BM009163.D

Acq: 10 Mar 2017 01:45

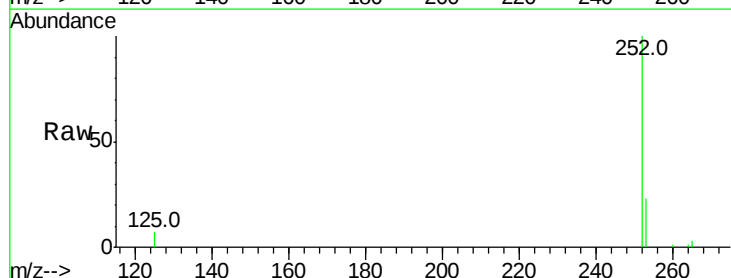
Tgt Ion:252 Resp: 32324

Ion Ratio Lower Upper

252 100

253 23.3 0.0 64.2

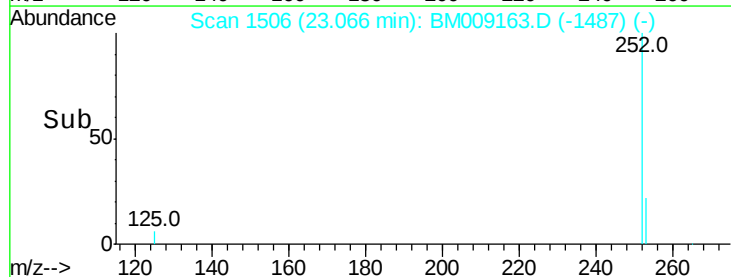
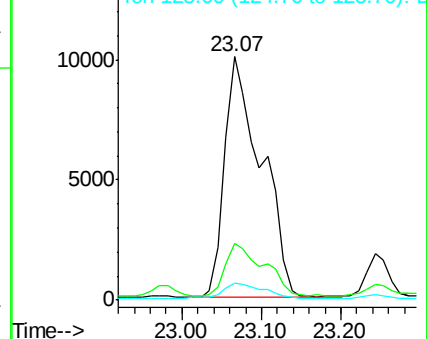
125 6.9 0.0 35.0

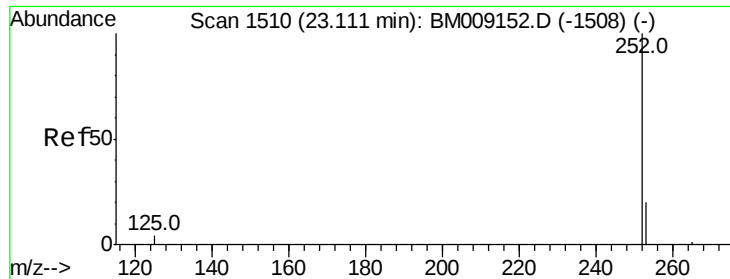


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#22

Benzo(k)fluoranthene

Concen: 7.60 ng/ul

RT: 23.07 min Scan# 1506

Delta R.T. -0.04 min

Lab File: BM009163.D

Acq: 10 Mar 2017 01:45

Instrument :

BNA_M

ClientSampleId :

C0AC7DL

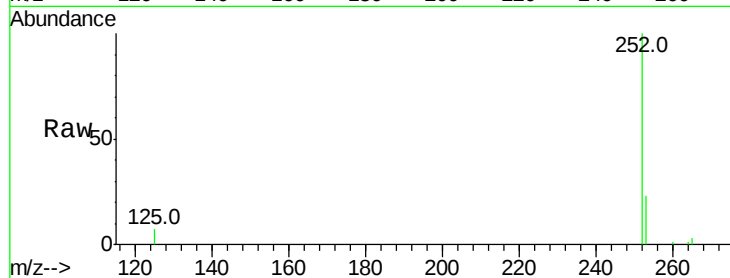
Tot Ion:252 Resp: 32324

Ion Ratio Lower Upper

252 100

253 23.3 24.5 36.7#

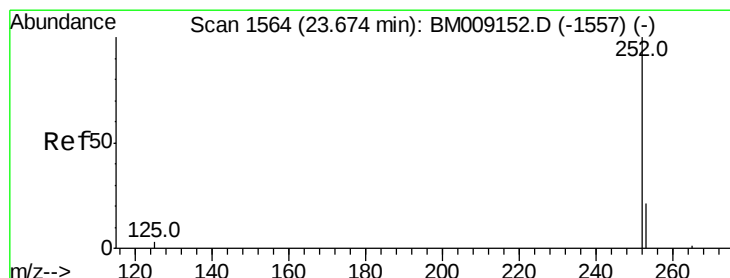
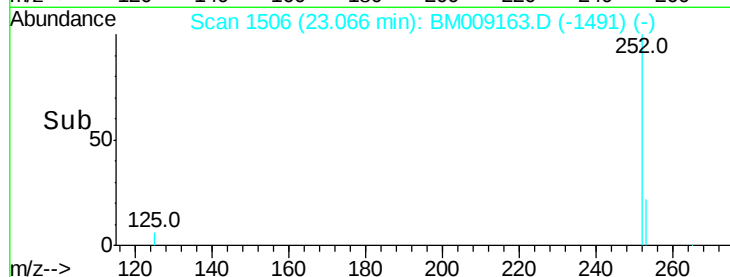
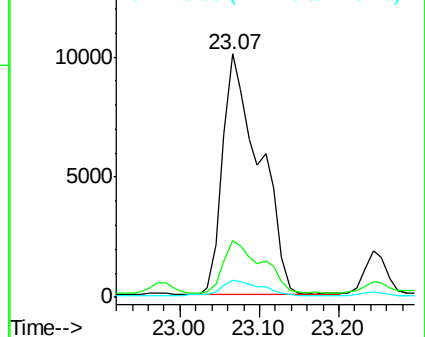
125 6.9 13.7 20.5#



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: 4.02 ng/ul

RT: 23.67 min Scan# 1564

Delta R.T. -0.00 min

Lab File: BM009163.D

Acq: 10 Mar 2017 01:45

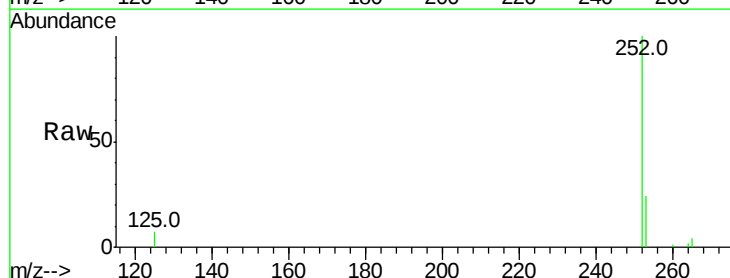
Tgt Ion:252 Resp: 17409

Ion Ratio Lower Upper

252 100

253 23.9 28.5 42.7#

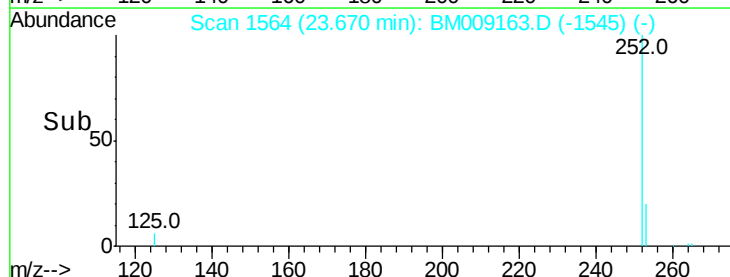
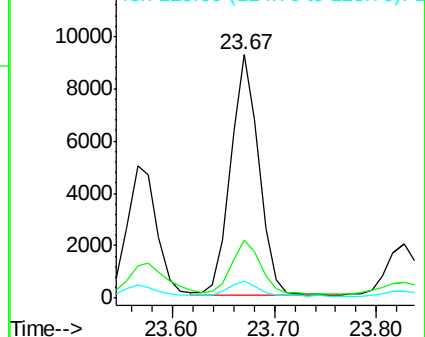
125 7.1 18.1 27.1#

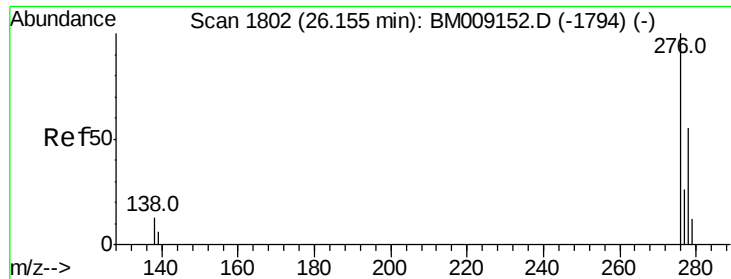


Abundance Ion 252.00 (251.70 to 252.70): E

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: 1.69 ng/ul

RT: 26.15 min Scan# 1802

Delta R.T. -0.00 min

Lab File: BM009163.D

Acq: 10 Mar 2017 01:45

Instrument :

BNA_M

ClientSampleId :

C0AC7DL

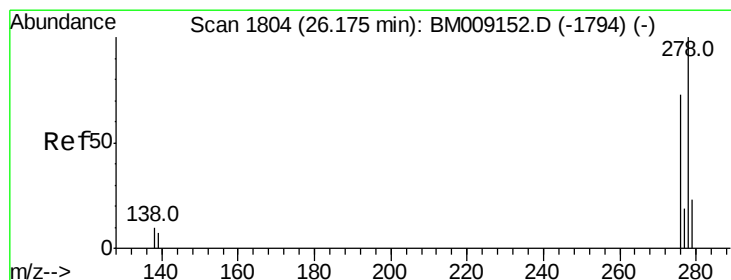
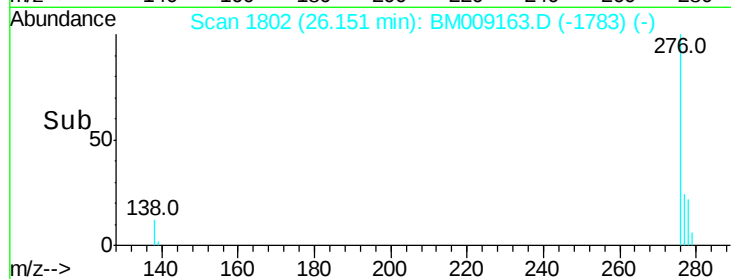
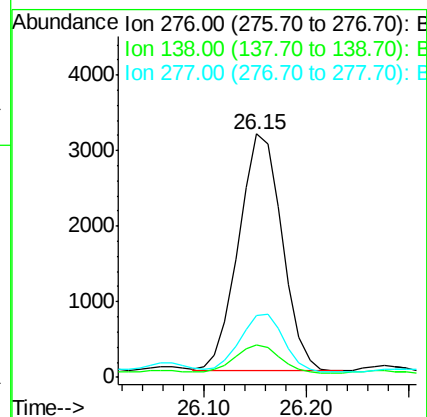
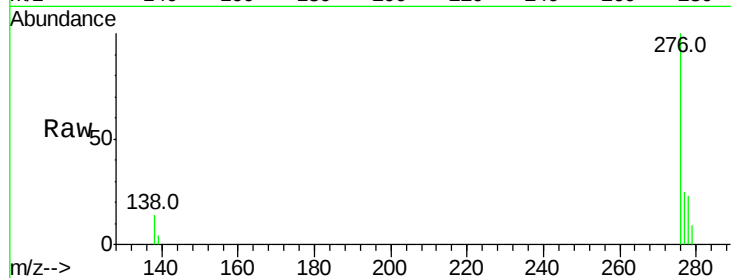
Tot Ion:276 Resp: 9293

Ion Ratio Lower Upper

276 100

138 12.3 19.1 28.7#

277 24.8 19.6 29.4



#25

Dibenzo(a,h)anthracene

Concen: 0.58 ng/ul

RT: 26.16 min Scan# 1803

Delta R.T. -0.01 min

Lab File: BM009163.D

Acq: 10 Mar 2017 01:45

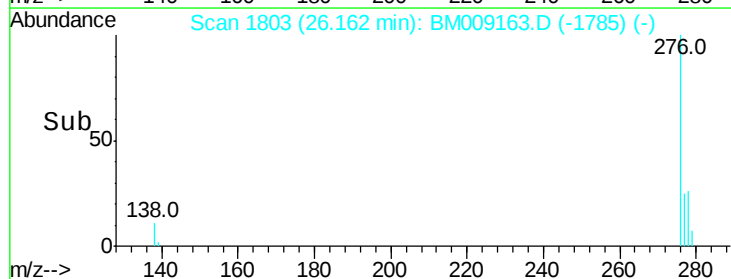
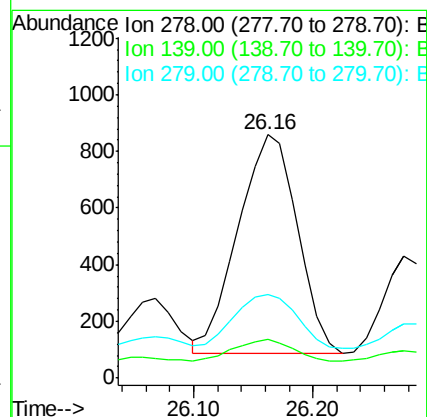
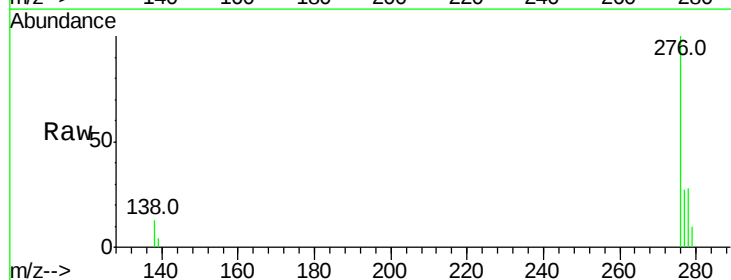
Tgt Ion:278 Resp: 2667

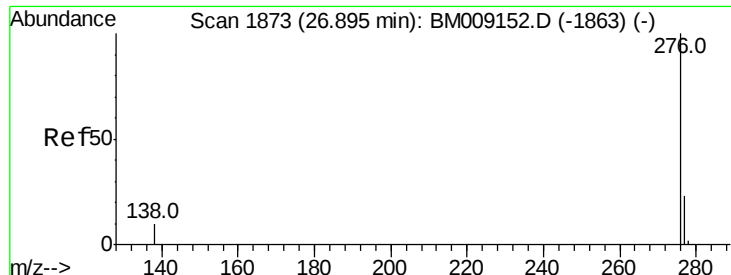
Ion Ratio Lower Upper

278 100

139 15.8 17.4 26.0#

279 34.5 25.9 38.9





#26

Benzo(a,h,i)perylene

Concen: 1.53 ng/ul

RT: 26.89 min Scan# 1873

Delta R.T. -0.00 min

Lab File: BM009163.D

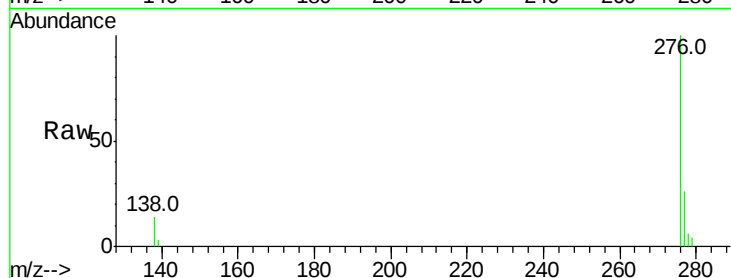
Acq: 10 Mar 2017 01:45

Instrument :

BNA_M

ClientSampleId :

C0AC7DL



Tot Ion:276 Resp: 7181

Ion Ratio Lower Upper

276 100

277 26.2 21.8 32.8

138 13.7 20.5 30.7#

