

Data Path : Z:\HPCHEM1\BNA_M\Data\BM031017\
 Data File : BM009178.D
 Acq On : 10 Mar 2017 16:22
 Operator : SJ/MA
 Sample : I2107-10
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 C0AJ9

Quant Time: Mar 10 17:19:51 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 15:19:24 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.88	152	341	0.40	ng/ul	0.00
2) Naphthalene-d8	10.68	136	1064	0.40	ng/ul	0.00
6) Acenaphthene-d10	14.52	164	622	0.40	ng/ul	0.00
10) Phenanthrene-d10	17.36	188	52297	0.40	ng/ul	0.10
16) Chrysene-d12	21.44	240	1675	0.40	ng/ul	0.00
20) Perylene-d12	23.63	264	55970	0.40	ng/ul	-0.14

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) 2-Methylnaphthalene-d10	12.27	152	249	0.14	ng/ul	0.00
14) Fluoranthene-d10	19.30	212	709	0.00	ng/ul	0.00

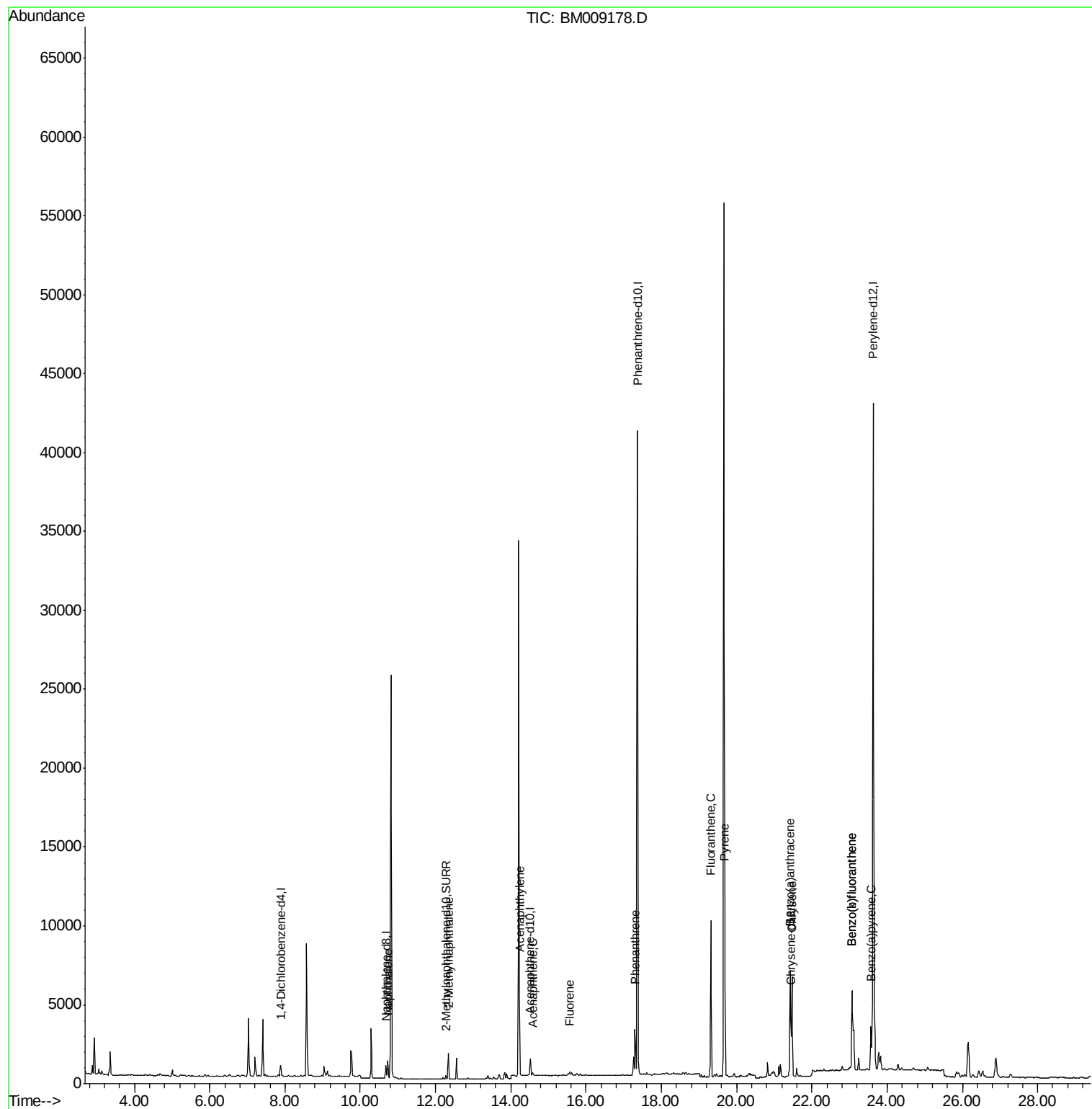
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Naphthalene	10.73	128	1520	0.50	ng/ul	96
5) 2-Methylnaphthalene	12.34	142	1091	0.49	ng/ul	97
7) Acenaphthylene	14.23	152	368	0.11	ng/ul#	60
8) Acenaphthene	14.57	153	166	0.07	ng/ul#	87
9) Fluorene	15.56	166	186	0.06	ng/ul#	69
12) Phenanthrene	17.30	178	3878	0.02	ng/ul	97
15) Fluoranthene	19.32	202	9193	0.04	ng/ul	94
17) Pyrene	19.68	202	8833	1.53	ng/ul	97
18) Benzo(a)anthracene	21.42	228	5923	1.06	ng/ul	99
19) Chrysene	21.47	228	6085	1.15	ng/ul	98
21) Benzo(b)fluoranthene	23.07	252	7233	0.03	ng/ul	91
22) Benzo(k)fluoranthene	23.07	252	11652	0.06	ng/ul	93
23) Benzo(a)pyrene	23.57	252	4105	0.02	ng/ul#	85

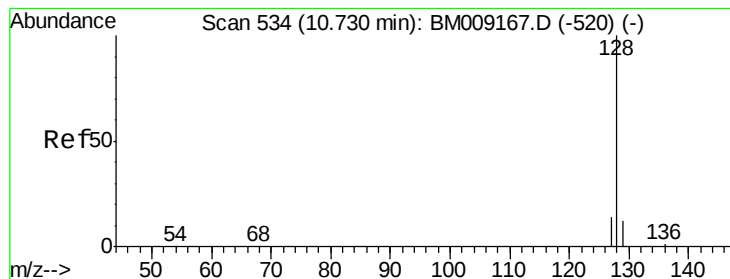
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Naphthalene

Concen: 0.50 ng/ul

RT: 10.73 min Scan# 534

Delta R.T. 0.00 min

Lab File: BM009178.D

Acq: 10 Mar 2017 16:22

Instrument :

BNA_M

ClientSampleId :

C0AJ9

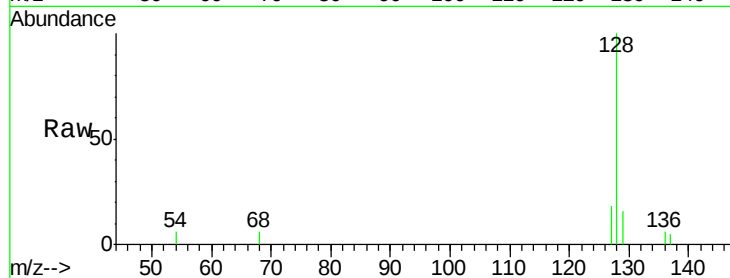
Tgt Ion:128 Resp: 1520

Ion Ratio Lower Upper

128 100

129 15.7 11.3 16.9

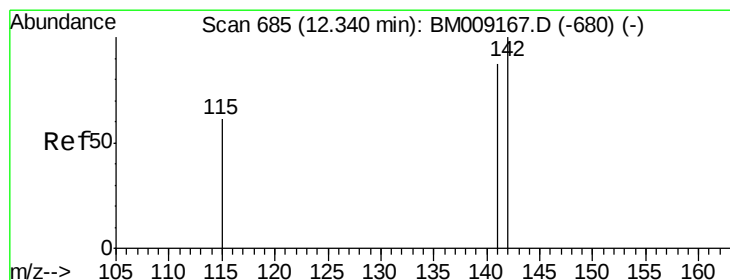
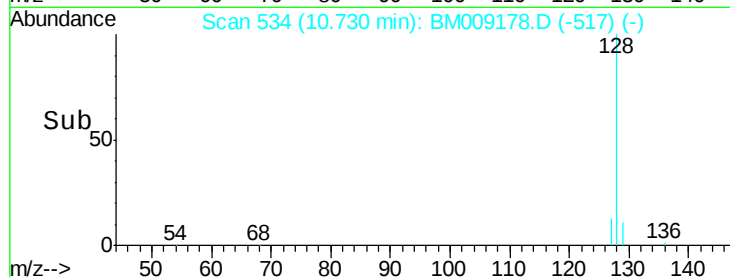
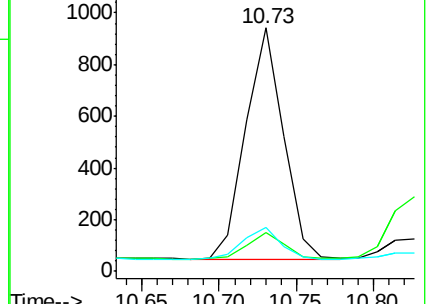
127 17.8 12.8 19.2



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: 0.49 ng/ul

RT: 12.34 min Scan# 685

Delta R.T. 0.00 min

Lab File: BM009178.D

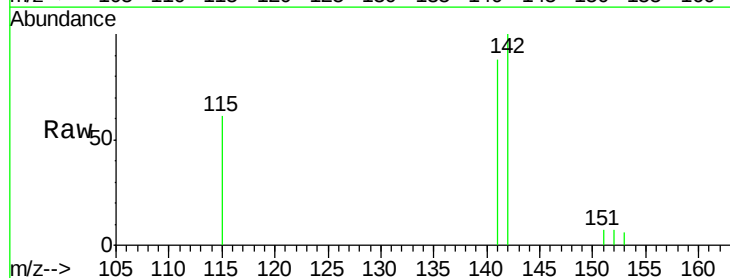
Acq: 10 Mar 2017 16:22

Tgt Ion:142 Resp: 1091

Ion Ratio Lower Upper

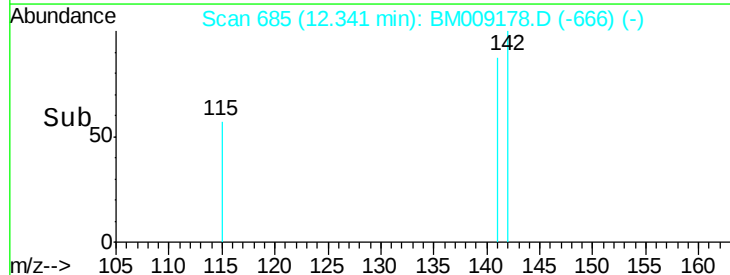
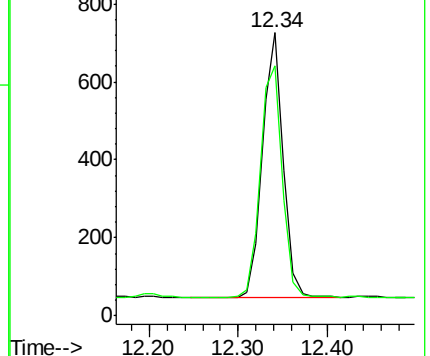
142 100

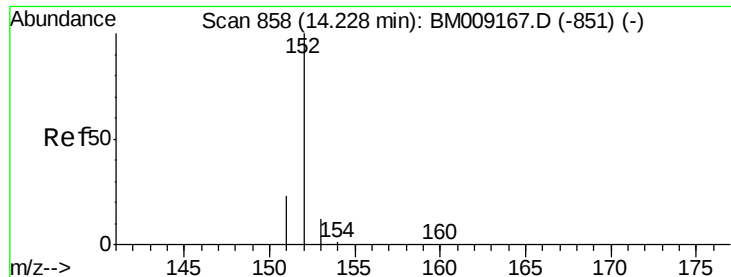
141 93.1 72.6 108.8



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#7

Acenaphthylene

Concen: 0.11 ng/ul

RT: 14.23 min Scan# 858

Delta R.T. 0.00 min

Lab File: BM009178.D

Acq: 10 Mar 2017 16:22

Instrument :

BNA_M

ClientSampleId :

C0AJ9

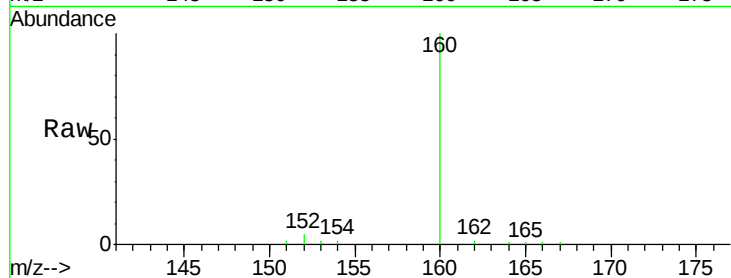
Tgt Ion:152 Resp: 368

Ion Ratio Lower Upper

152 100

151 39.6 17.1 25.7#

153 34.0 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

14.23

250

200

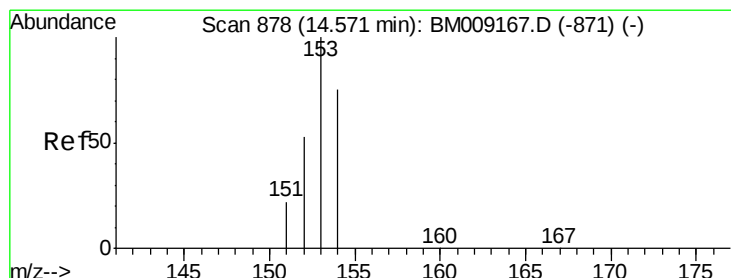
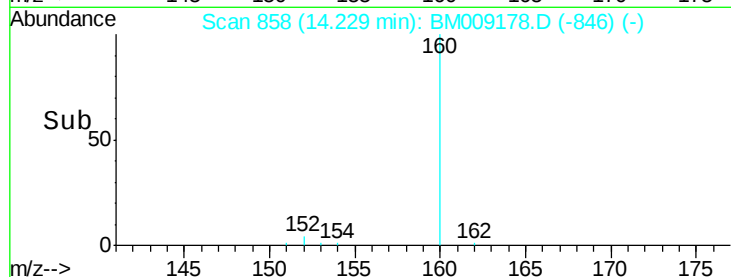
150

100

50

0

Time-->



#8

Acenaphthene

Concen: 0.07 ng/ul

RT: 14.57 min Scan# 878

Delta R.T. 0.00 min

Lab File: BM009178.D

Acq: 10 Mar 2017 16:22

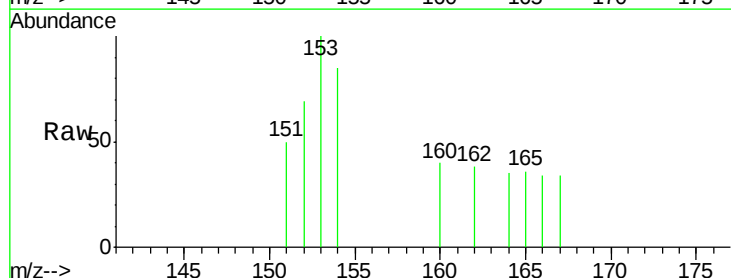
Tgt Ion:153 Resp: 166

Ion Ratio Lower Upper

153 100

152 69.1 40.3 60.5#

154 84.9 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

14.57

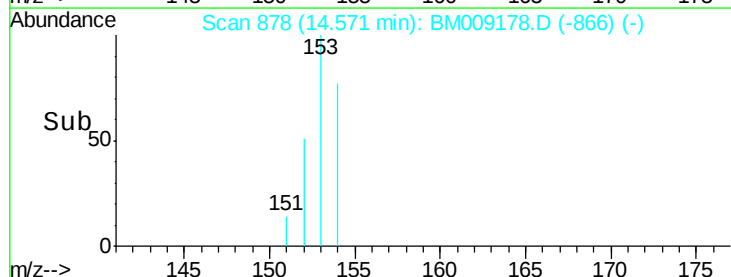
150

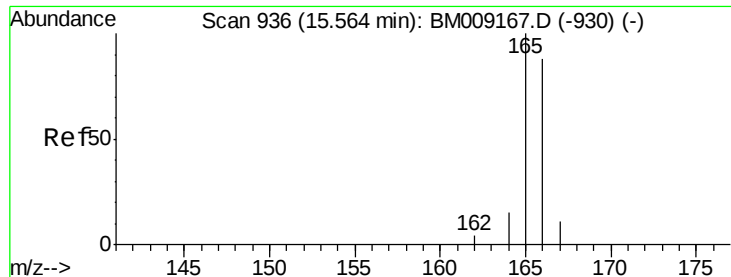
100

50

0

Time-->





#9

Fluorene

Concen: 0.06 ng/ul

RT: 15.56 min Scan# 936

Delta R.T. 0.00 min

Lab File: BM009178.D

Acq: 10 Mar 2017 16:22

Instrument :

BNA_M

ClientSampleId :

C0AJ9

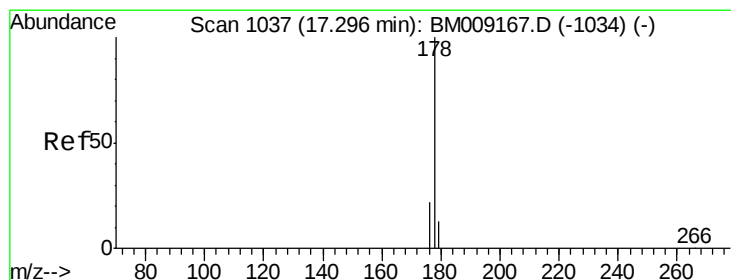
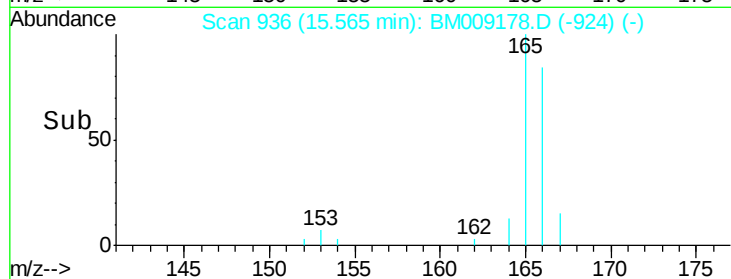
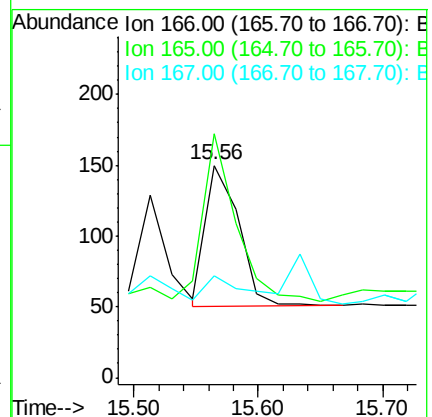
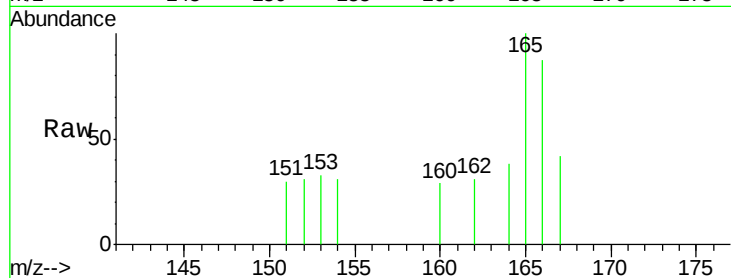
Tgt Ion:166 Resp: 186

Ion Ratio Lower Upper

166 100

165 114.7 73.4 110.2#

167 48.0 14.6 22.0#



#12

Phenanthrene

Concen: 0.02 ng/ul

RT: 17.30 min Scan# 1037

Delta R.T. 0.00 min

Lab File: BM009178.D

Acq: 10 Mar 2017 16:22

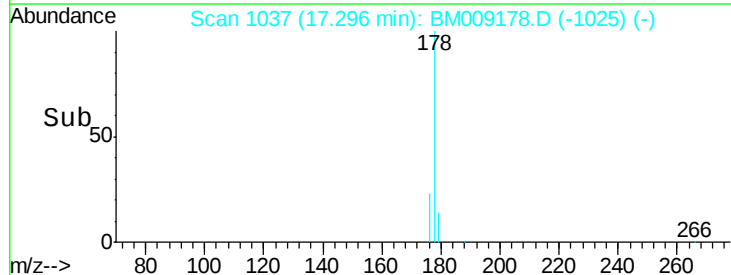
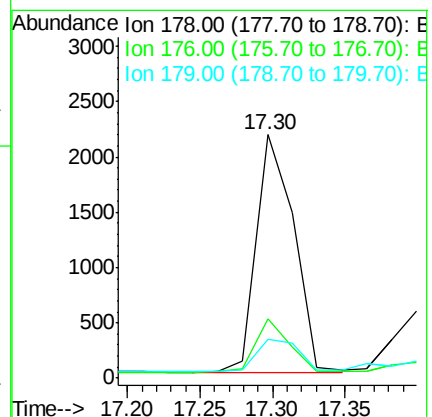
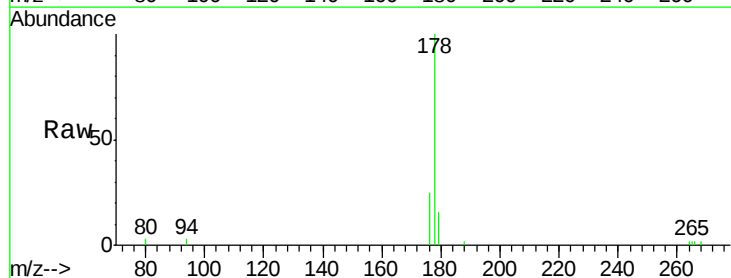
Tgt Ion:178 Resp: 3878

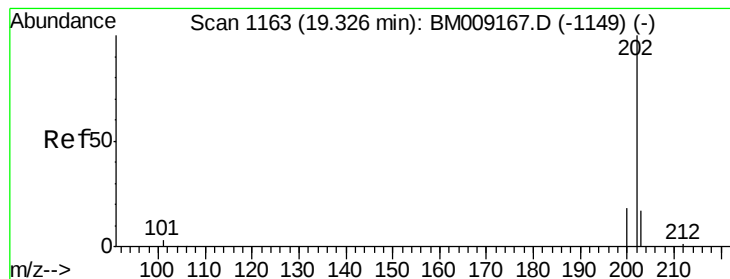
Ion Ratio Lower Upper

178 100

176 24.6 18.4 27.6

179 16.1 13.6 20.4





#15

Fluoranthene

Concen: 0.04 ng/ul

RT: 19.32 min Scan# 1162

Delta R.T. -0.01 min

Lab File: BM009178.D

Acq: 10 Mar 2017 16:22

Instrument :

BNA_M

ClientSampleId :

C0AJ9

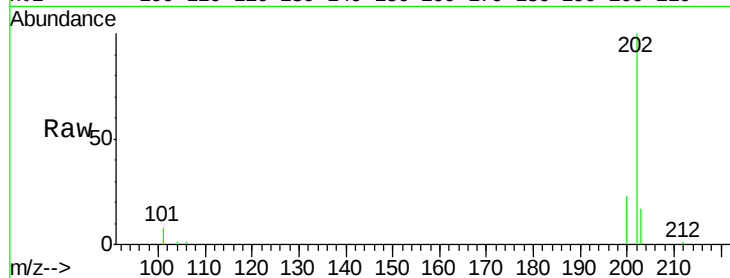
Tgt Ion:202 Resp: 9193

Ion Ratio Lower Upper

202 100

101 7.7 0.0 30.3

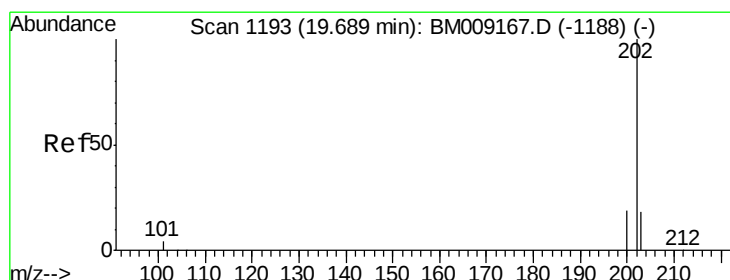
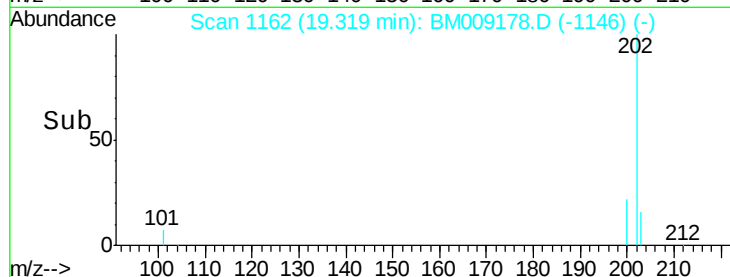
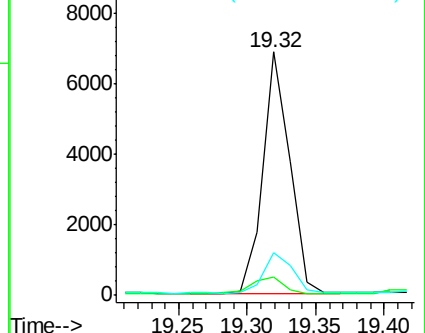
203 17.3 0.0 39.5



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: 1.53 ng/ul

RT: 19.68 min Scan# 1192

Delta R.T. -0.01 min

Lab File: BM009178.D

Acq: 10 Mar 2017 16:22

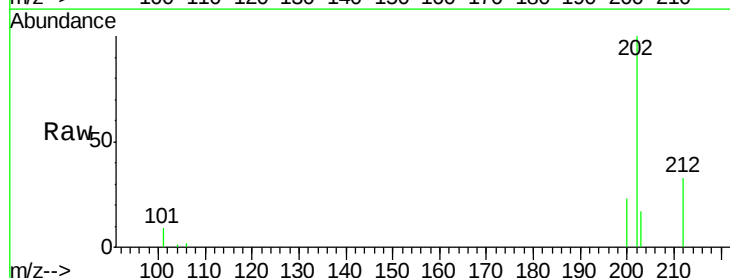
Tgt Ion:202 Resp: 8833

Ion Ratio Lower Upper

202 100

200 23.2 18.2 27.4

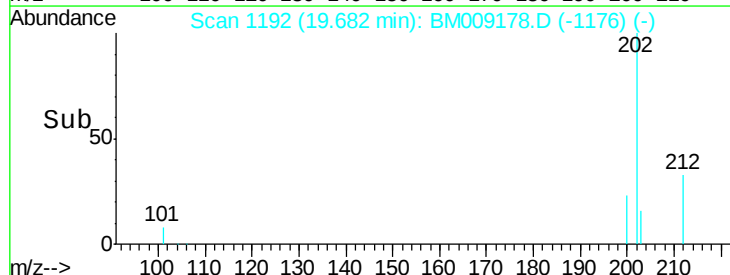
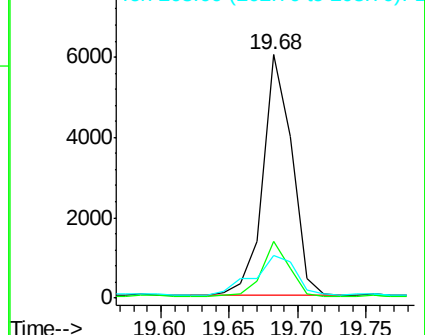
203 17.3 15.6 23.4

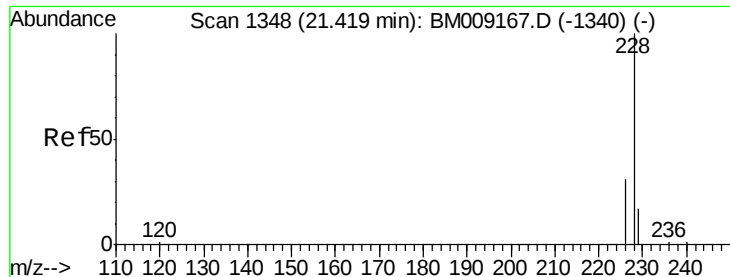


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#18

Benzo(a)anthracene

Concen: 1.06 ng/ul

RT: 21.42 min Scan# 1348

Delta R.T. 0.00 min

Lab File: BM009178.D

Acq: 10 Mar 2017 16:22

Instrument :

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ClientSampleId :

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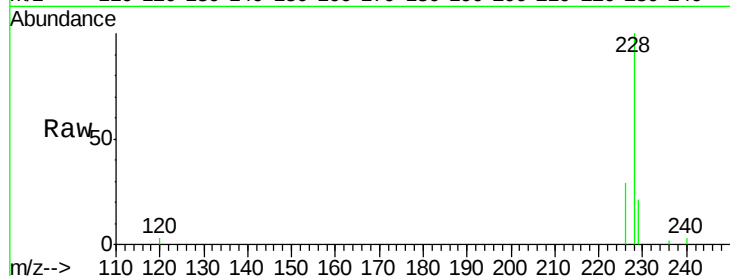
Tgt Ion:228 Resp: 5923

Ion Ratio Lower Upper

228 100

226 29.4 22.8 34.2

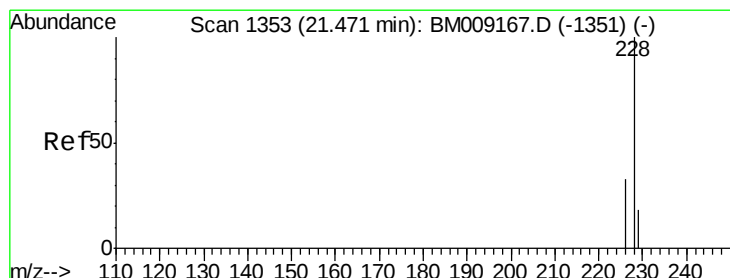
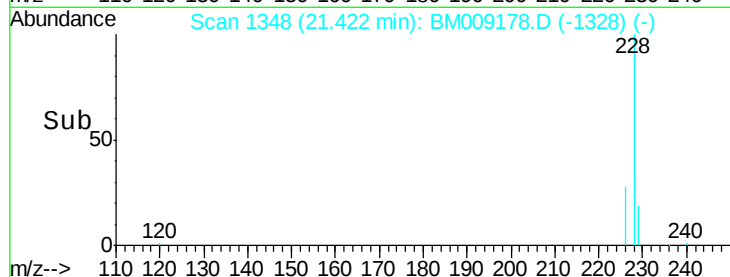
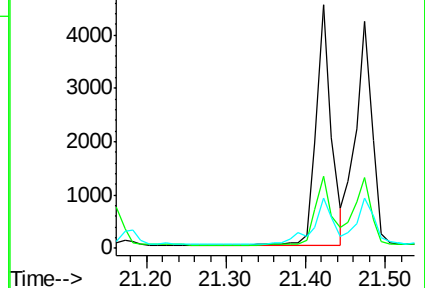
229 20.8 17.0 25.6



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: 1.15 ng/ul

RT: 21.47 min Scan# 1353

Delta R.T. 0.00 min

Lab File: BM009178.D

Acq: 10 Mar 2017 16:22

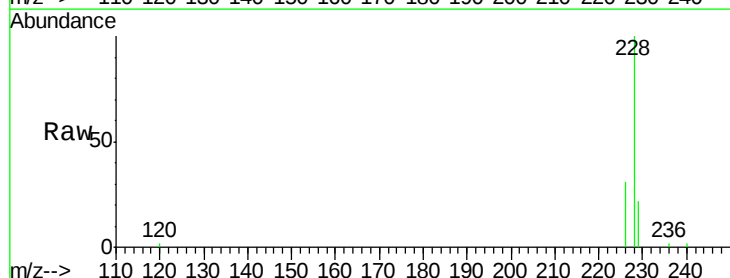
Tgt Ion:228 Resp: 6085

Ion Ratio Lower Upper

228 100

226 31.3 23.4 35.0

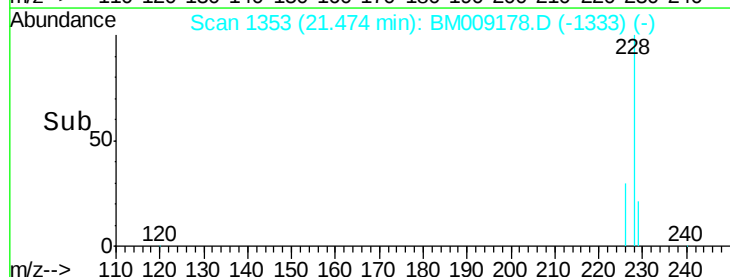
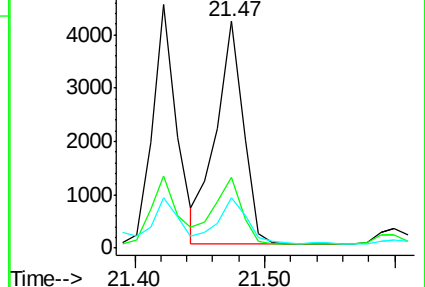
229 22.2 17.7 26.5

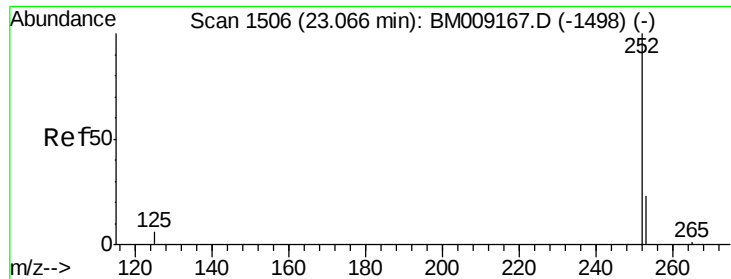


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#21

Benzo(b)fluoranthene

Concen: 0.03 ng/u1

RT: 23.07 min Scan# 1506

Delta R.T. 0.00 min

Lab File: BM009178.D

Acq: 10 Mar 2017 16:22

Instrument :

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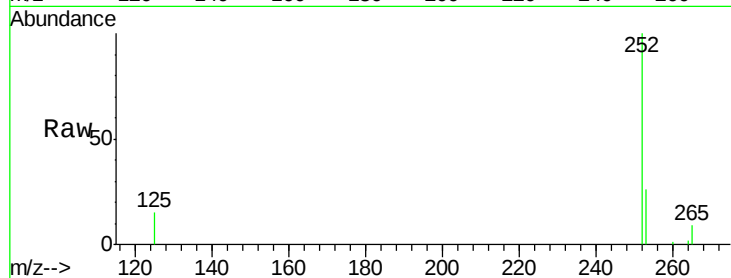
Tgt Ion:252 Resp: 7233

Ion Ratio Lower Upper

252 100

253 26.4 0.0 64.2

125 14.7 0.0 35.0

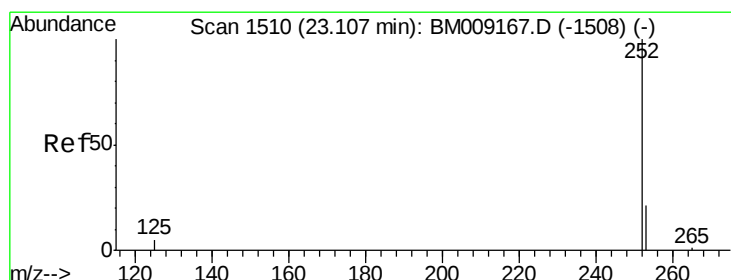
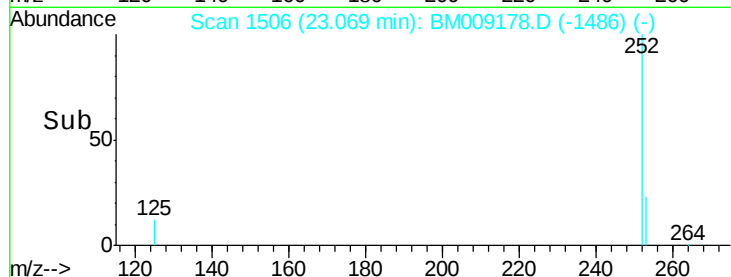
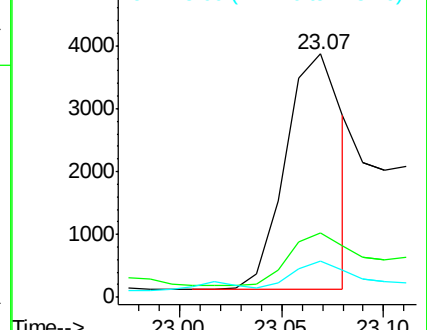


Abundance

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: 0.06 ng/u1

RT: 23.07 min Scan# 1506

Delta R.T. -0.04 min

Lab File: BM009178.D

Acq: 10 Mar 2017 16:22

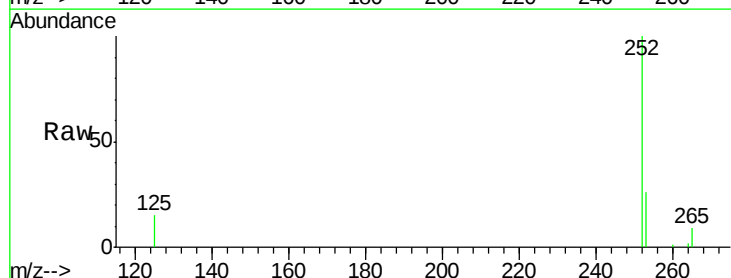
Tgt Ion:252 Resp: 11652

Ion Ratio Lower Upper

252 100

253 26.4 24.5 36.7

125 14.7 13.7 20.5

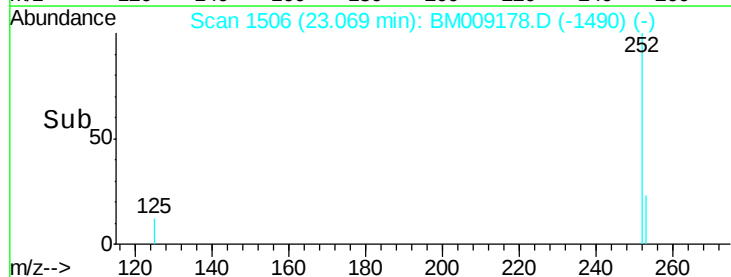
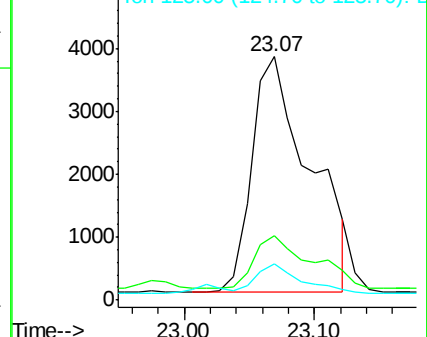


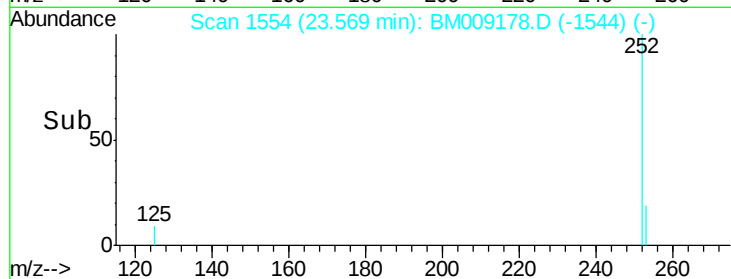
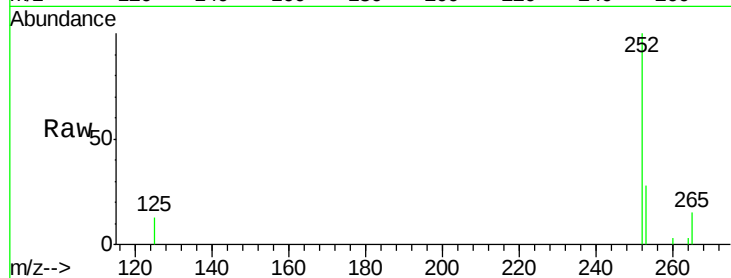
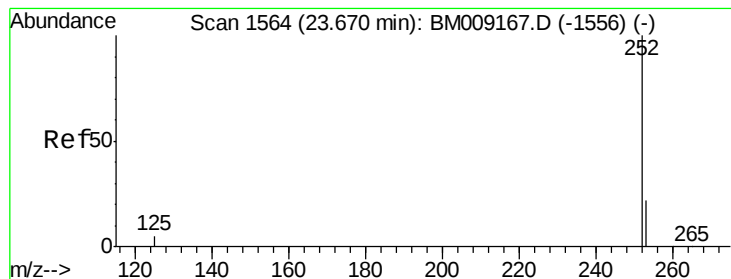
Abundance

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: 0.02 ng/ul

RT: 23.57 min Scan# 1554

Delta R.T. -0.10 min

Lab File: BM009178.D

Acq: 10 Mar 2017 16:22

Instrument :

BNA_M

ClientSampleId :

C0AJ9

Tgt Ion: 252 Resp: 4105

Ion Ratio Lower Upper

252 100

253 28.2 28.5 42.7#

125 12.9 18.1 27.1#

