

Data Path : Z:\HPCHEM1\BNA M\DATA\BM031017\
 Data File : BM009186.D
 Acq On : 10 Mar 2017 21:45
 Operator : SJ/MA
 Sample : I2107-11
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 C0AK0

Quant Time: Mar 11 00:55:26 2017
 Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM-EPA-SIM-BM030317.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Sat Mar 11 00:54:34 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.88	152	301	0.40	ng/ul	0.00
2) Naphthalene-d8	10.68	136	981	0.40	ng/ul	0.00
6) Acenaphthene-d10	14.52	164	585	0.40	ng/ul	0.00
10) Phenanthrene-d10	17.36	188	59287	0.40	ng/ul	0.10
16) Chrysene-d12	21.44	240	1286	0.40	ng/ul	0.00
20) Perylene-d12	23.63	264	46249	0.40	ng/ul	-0.15

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) 2-Methylnaphthalene-d10	12.27	152	310	0.19	ng/ul	0.00
14) Fluoranthene-d10	19.29	212	770	0.00	ng/ul	0.00

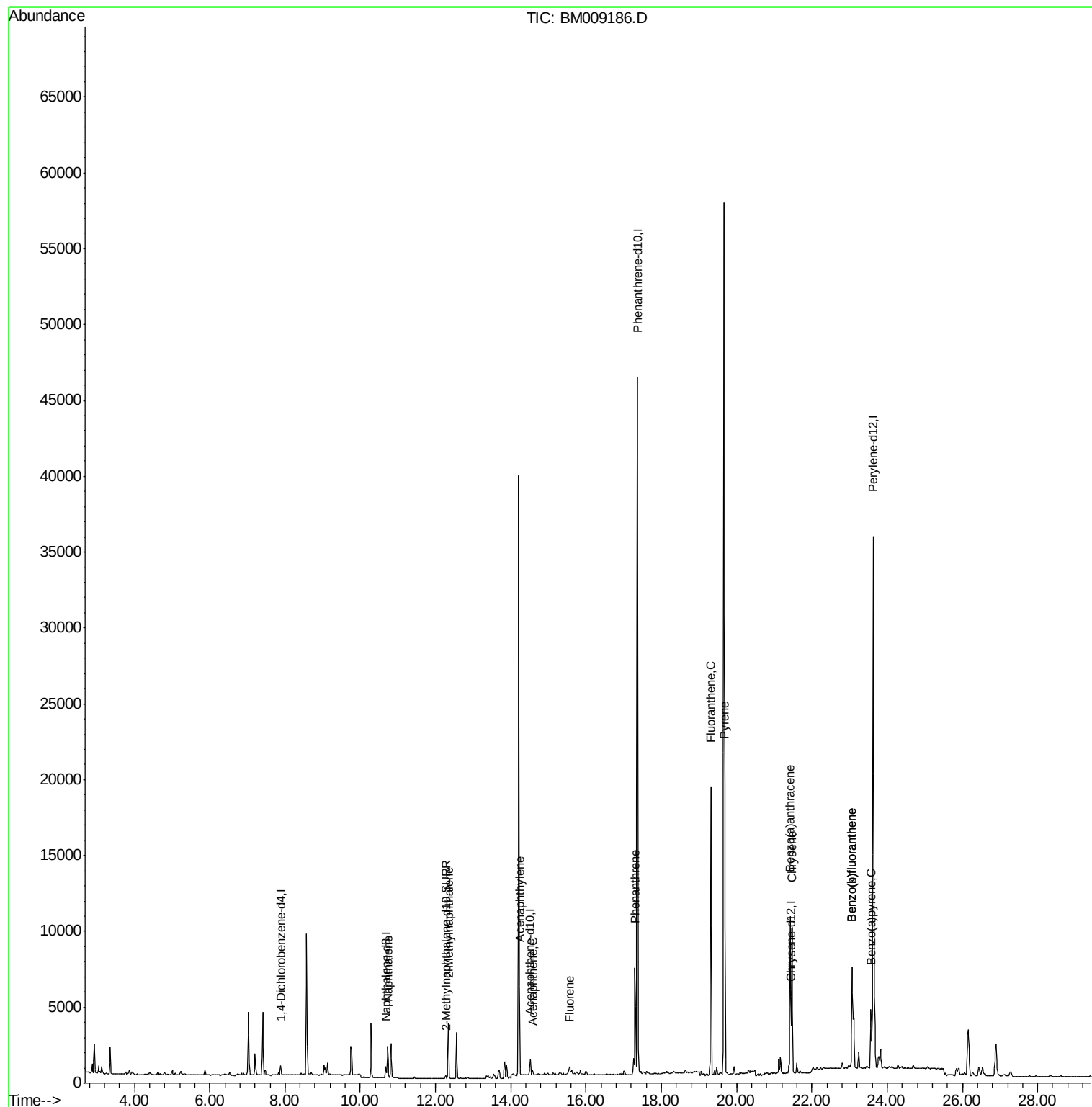
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
3) Naphthalene	10.73	128	2807	0.99	ng/ul	99
5) 2-Methylnaphthalene	12.34	142	2528	1.24	ng/ul	100
7) Acenaphthylene	14.23	152	850	0.28	ng/ul#	79
8) Acenaphthene	14.57	153	254	0.11	ng/ul#	87
9) Fluorene	15.56	166	357	0.13	ng/ul#	71
12) Phenanthrene	17.30	178	9162	0.05	ng/ul	98
15) Fluoranthene	19.32	202	17801	0.07	ng/ul	93
17) Pyrene	19.68	202	16674	3.77	ng/ul	97
18) Benzo(a)anthracene	21.42	228	9008	2.11	ng/ul	98
19) Chrysene	21.47	228	9066	2.24	ng/ul	98
21) Benzo(b)fluoranthene	23.07	252	9533	0.05	ng/ul	89
22) Benzo(k)fluoranthene	23.07	252	15329	0.10	ng/ul#	91
23) Benzo(a)pyrene	23.57	252	5733	0.04	ng/ul#	83

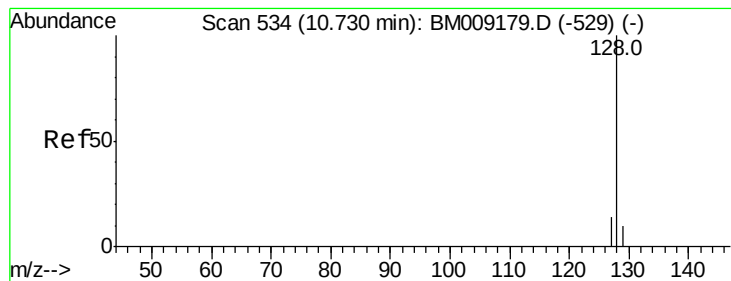
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Naphthalene

Concen: 0.99 ng/ul

RT: 10.73 min Scan# 534

Delta R.T. 0.00 min

Lab File: BM009186.D

Acq: 10 Mar 2017 21:45

Instrument :

BNA_M

ClientSampleId :

C0AK0

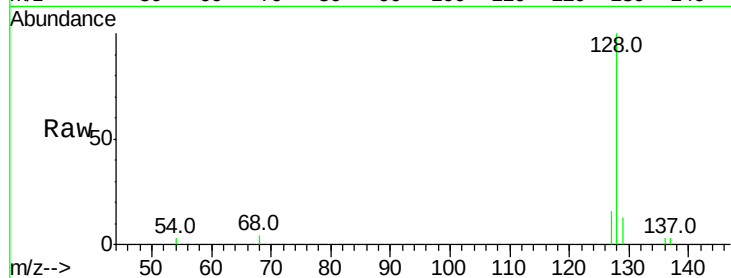
Tot Ion:128 Resp: 2807

Ion Ratio Lower Upper

128 100

129 13.5 11.3 16.9

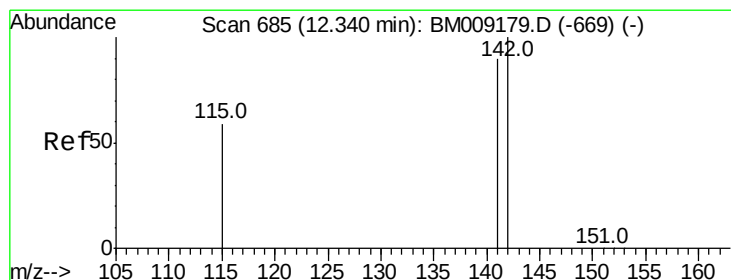
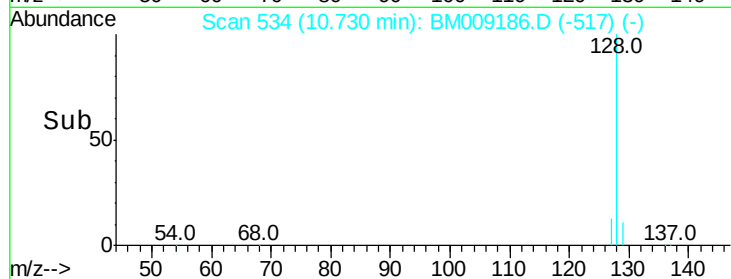
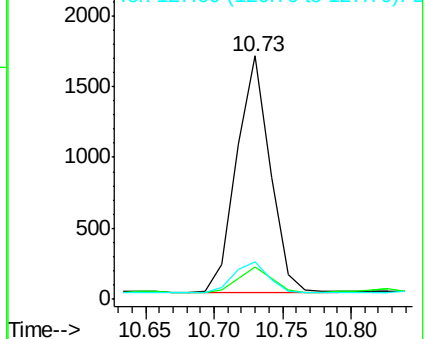
127 15.6 12.8 19.2



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



#5

2-Methylnaphthalene

Concen: 1.24 ng/ul

RT: 12.34 min Scan# 685

Delta R.T. 0.00 min

Lab File: BM009186.D

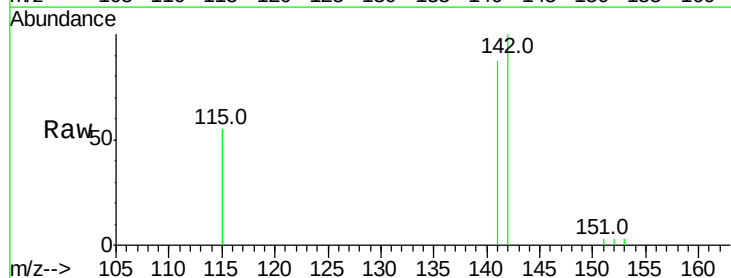
Acq: 10 Mar 2017 21:45

Tgt Ion:142 Resp: 2528

Ion Ratio Lower Upper

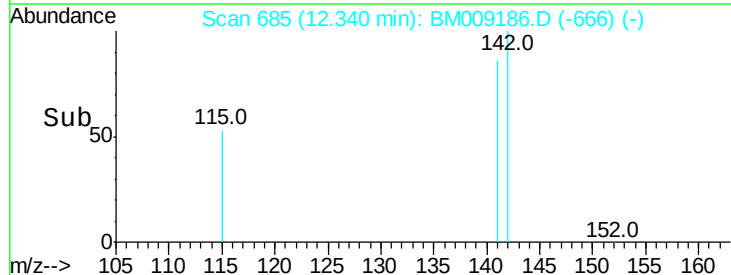
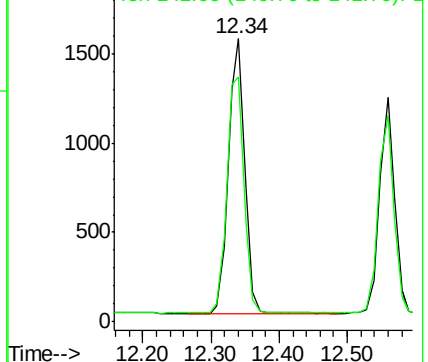
142 100

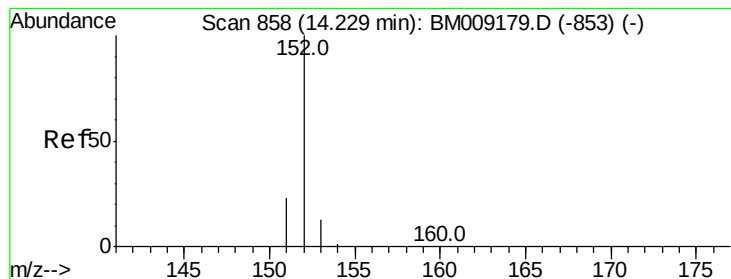
141 91.0 72.6 108.8



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#7

Acenaphthylene

Concen: 0.28 ng/ul

RT: 14.23 min Scan# 858

Delta R.T. 0.00 min

Lab File: BM009186.D

Acq: 10 Mar 2017 21:45

Instrument :

BNA_M

ClientSampleId :

C0AK0

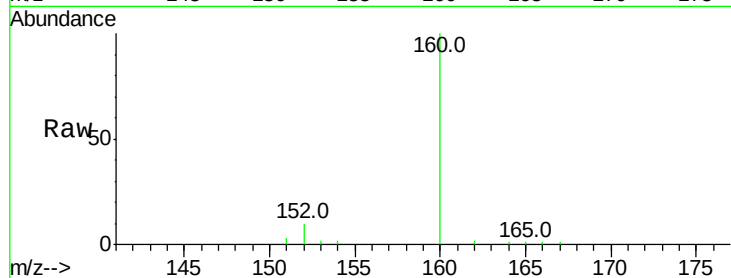
Tot Ion:152 Resp: 850

Ion Ratio Lower Upper

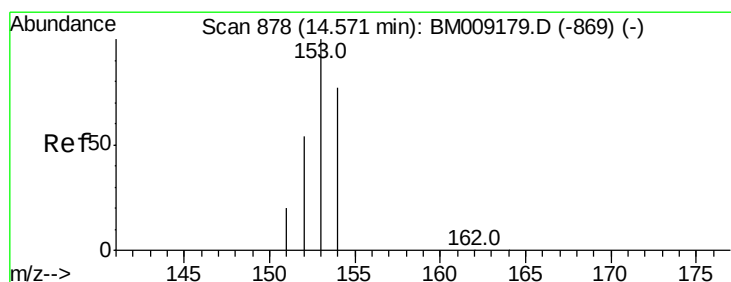
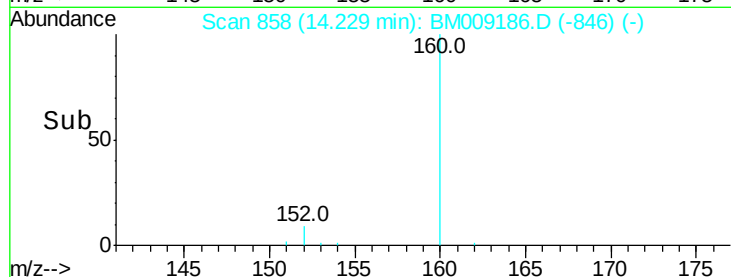
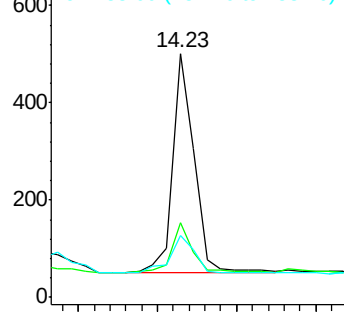
152 100

151 30.7 17.1 25.7#

153 25.3 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: 0.11 ng/ul

RT: 14.57 min Scan# 878

Delta R.T. 0.00 min

Lab File: BM009186.D

Acq: 10 Mar 2017 21:45

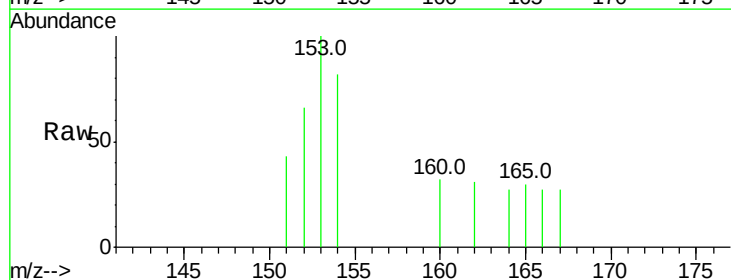
Tgt Ion:153 Resp: 254

Ion Ratio Lower Upper

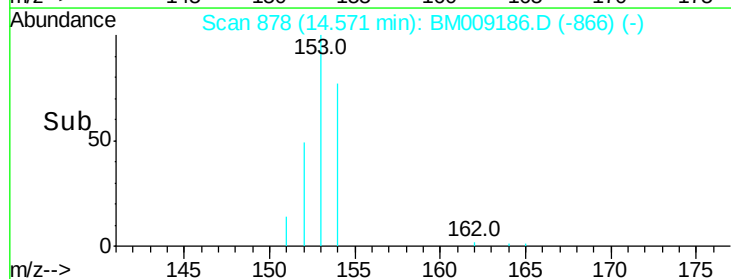
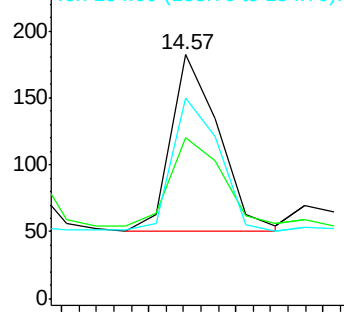
153 100

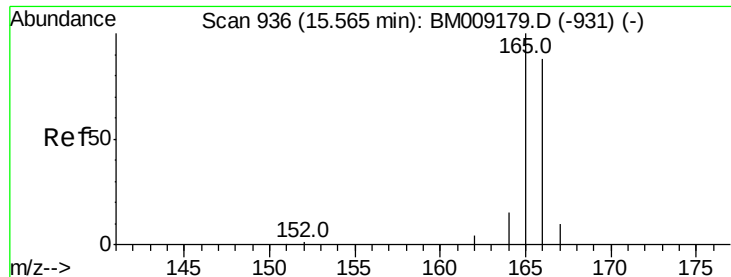
152 65.9 40.3 60.5#

154 82.4 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: 0.13 ng/ul

RT: 15.56 min Scan# 936

Delta R.T. 0.00 min

Lab File: BM009186.D

Acq: 10 Mar 2017 21:45

Instrument :

BNA_M

ClientSampleId :

C0AK0

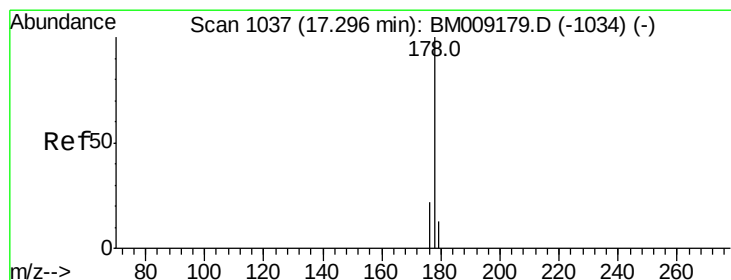
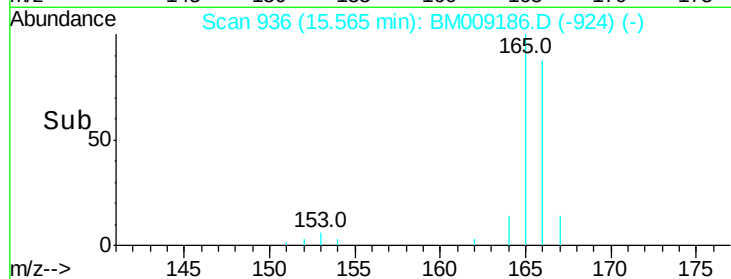
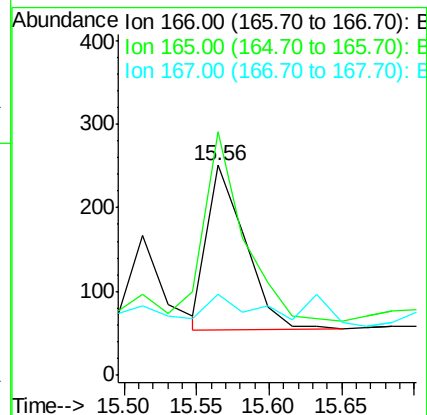
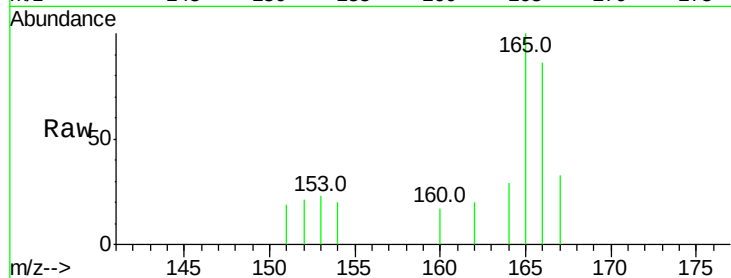
Tot Ion:166 Resp: 357

Ion Ratio Lower Upper

166 100

165 115.9 73.4 110.2#

167 38.6 14.6 22.0#



#12

Phenanthrene

Concen: 0.05 ng/ul

RT: 17.30 min Scan# 1037

Delta R.T. -0.00 min

Lab File: BM009186.D

Acq: 10 Mar 2017 21:45

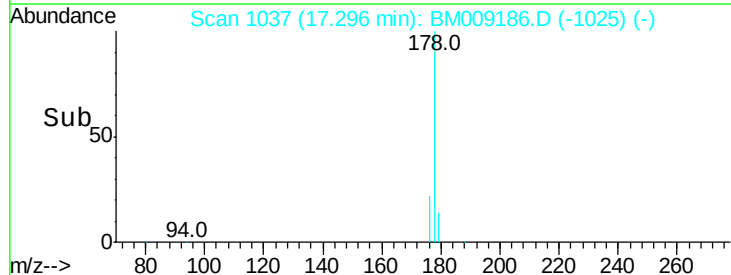
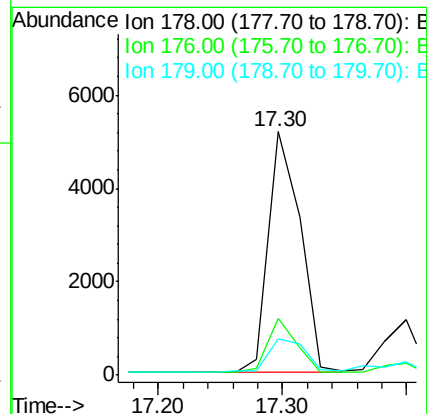
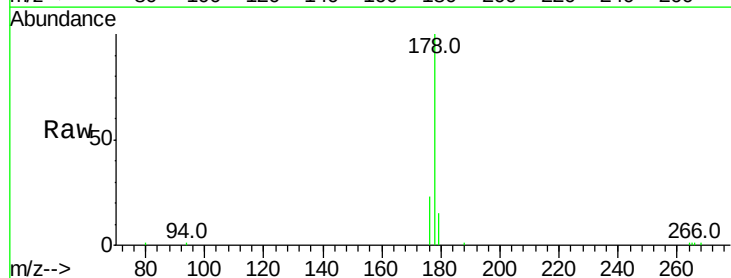
Tgt Ion:178 Resp: 9162

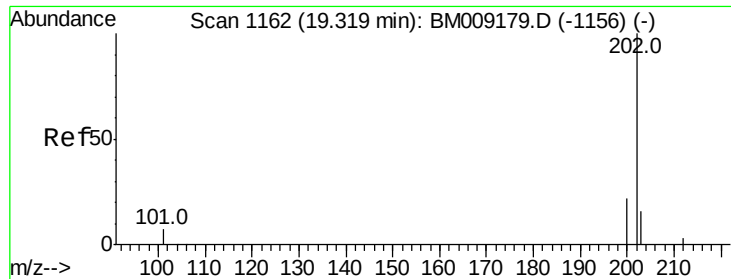
Ion Ratio Lower Upper

178 100

176 23.1 18.4 27.6

179 14.7 13.6 20.4

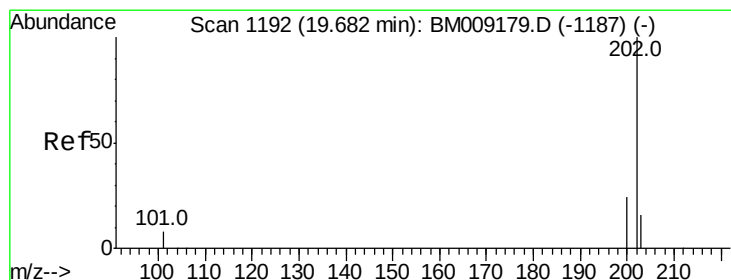
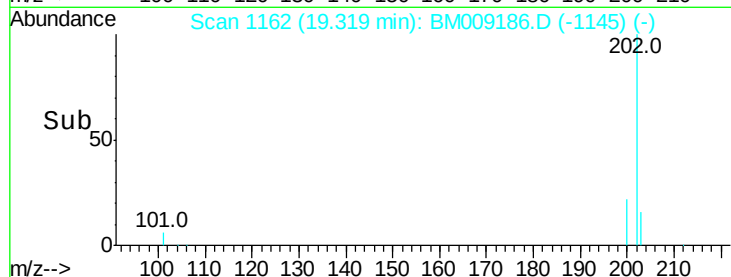
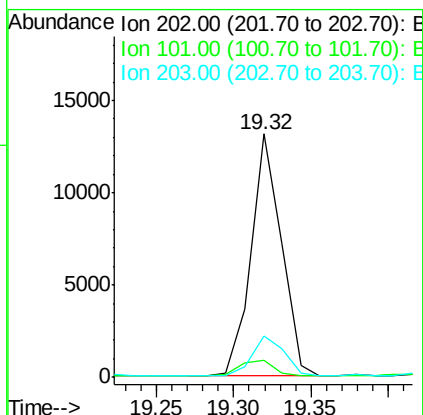
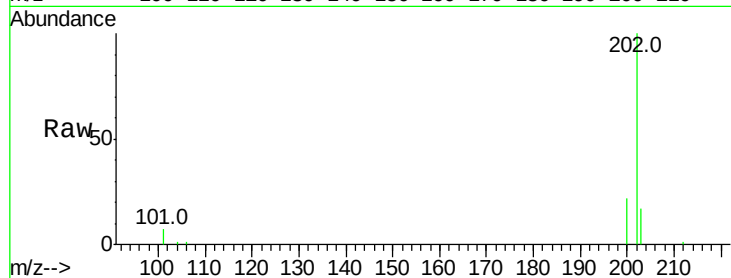




#15
Fluoranthene
Concen: 0.07 ng/ul
RT: 19.32 min Scan# 1162
Delta R.T. 0.00 min
Lab File: BM009186.D
Acq: 10 Mar 2017 21:45

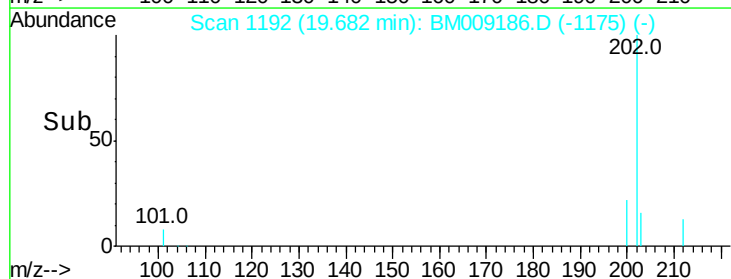
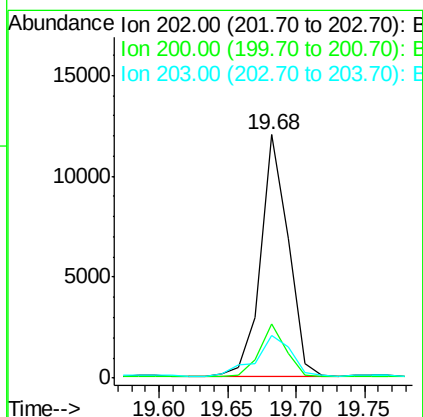
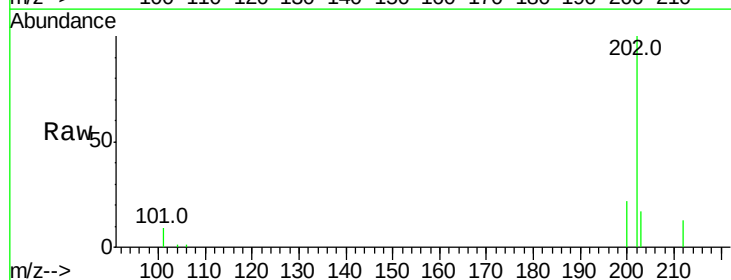
Instrument :
BNA_M
ClientSampleId :
C0AK0

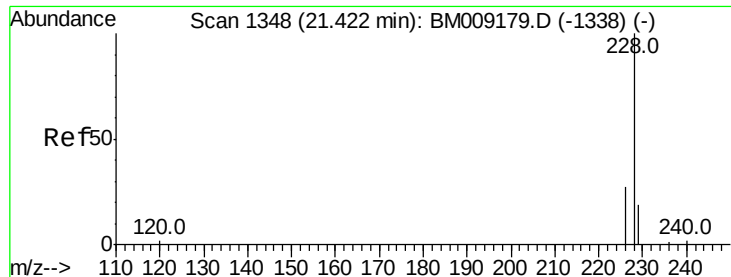
Tot Ion:202 Resp: 17801
Ion Ratio Lower Upper
202 100
101 6.9 0.0 30.3
203 17.0 0.0 39.5



#17
Pyrene
Concen: 3.77 ng/ul
RT: 19.68 min Scan# 1192
Delta R.T. -0.00 min
Lab File: BM009186.D
Acq: 10 Mar 2017 21:45

Tgt Ion:202 Resp: 16674
Ion Ratio Lower Upper
202 100
200 22.5 18.2 27.4
203 17.3 15.6 23.4





#18

Benzo(a)anthracene

Concen: 2.11 ng/ul

RT: 21.42 min Scan# 1348

Delta R.T. 0.00 min

Lab File: BM009186.D

Acq: 10 Mar 2017 21:45

Instrument :

BNA_M

ClientSampleId :

C0AK0

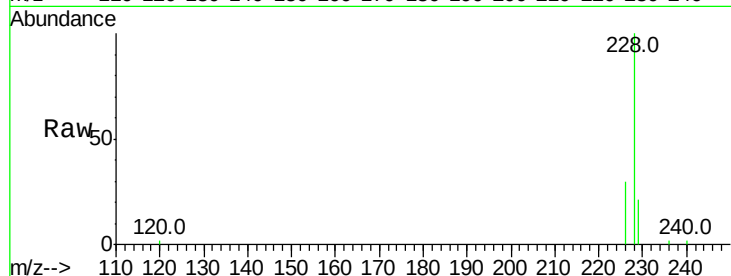
Tot Ion:228 Resp: 9008

Ion Ratio Lower Upper

228 100

226 30.1 22.8 34.2

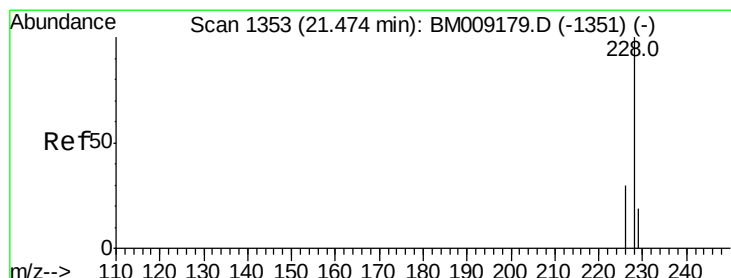
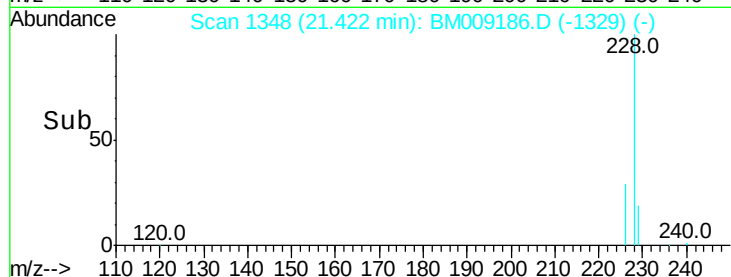
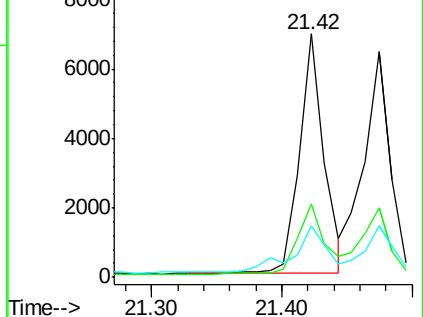
229 21.1 17.0 25.6



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: 2.24 ng/ul

RT: 21.47 min Scan# 1353

Delta R.T. -0.00 min

Lab File: BM009186.D

Acq: 10 Mar 2017 21:45

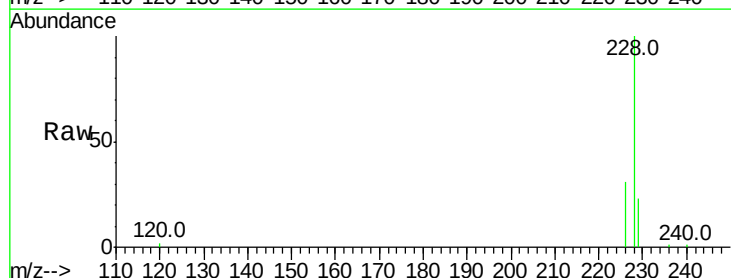
Tgt Ion:228 Resp: 9066

Ion Ratio Lower Upper

228 100

226 30.6 23.4 35.0

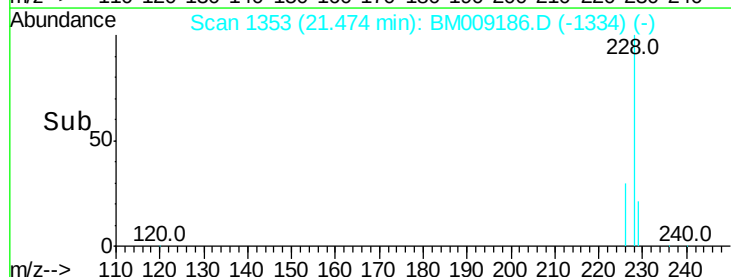
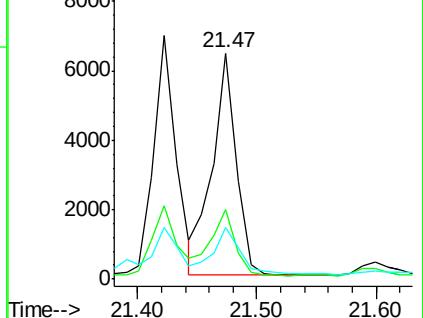
229 22.8 17.7 26.5

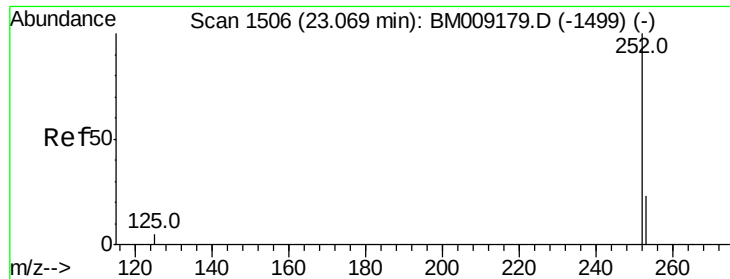


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#21

Benzo(b)fluoranthene

Concen: 0.05 ng/ul

RT: 23.07 min Scan# 1506

Delta R.T. -0.00 min

Lab File: BM009186.D

Acq: 10 Mar 2017 21:45

Instrument :

BNA_M

ClientSampleId :

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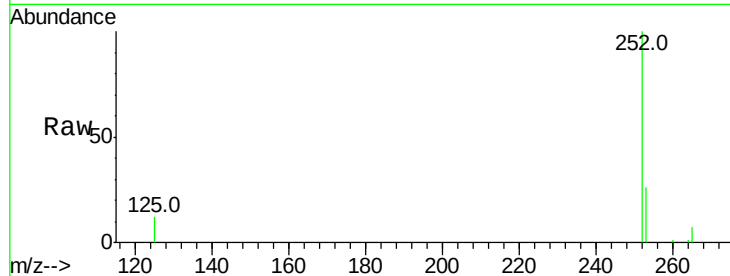
Tot Ion:252 Resp: 9533

Ion Ratio Lower Upper

252 100

253 26.4 0.0 64.2

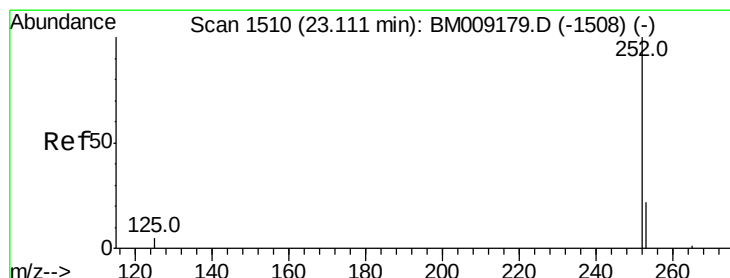
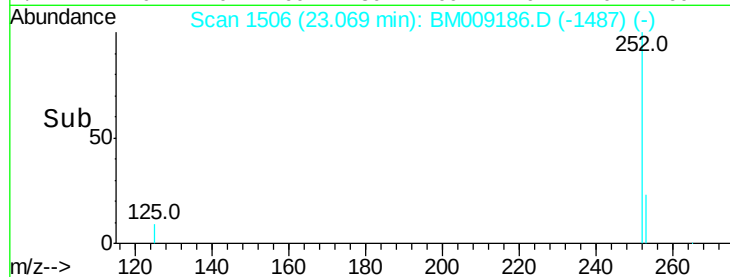
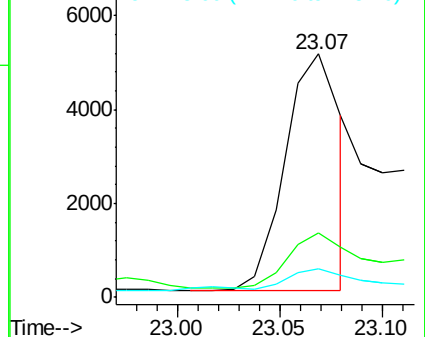
125 11.8 0.0 35.0



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: 0.10 ng/ul

RT: 23.07 min Scan# 1506

Delta R.T. -0.04 min

Lab File: BM009186.D

Acq: 10 Mar 2017 21:45

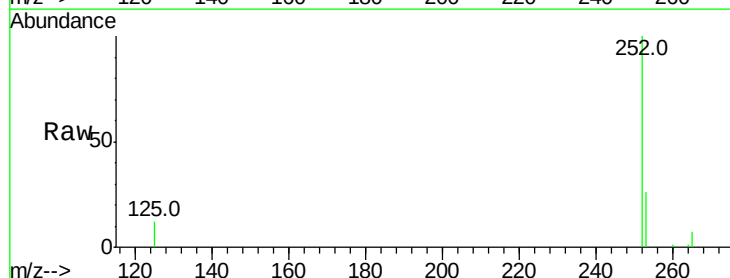
Tgt Ion:252 Resp: 15329

Ion Ratio Lower Upper

252 100

253 26.4 24.5 36.7

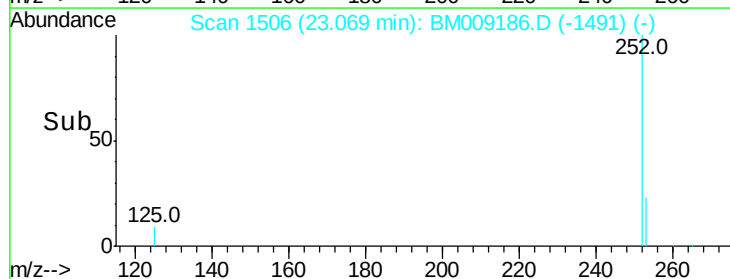
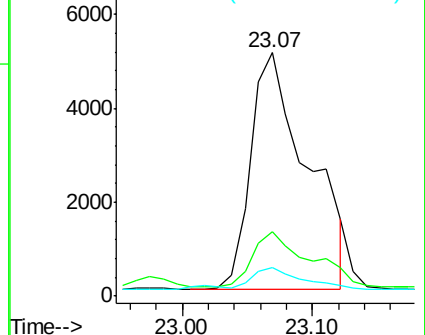
125 11.8 13.7 20.5#

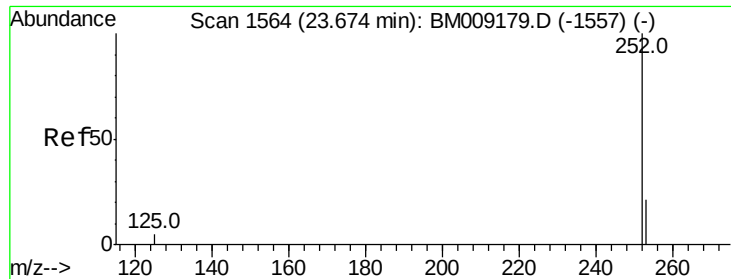


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#23

Benzo(a)pyrene

Concen: 0.04 ng/ul

RT: 23.57 min Scan# 1554

Delta R.T. -0.10 min

Lab File: BM009186.D

Acq: 10 Mar 2017 21:45

Instrument :

BNA_M

ClientSampleId :

C0AK0

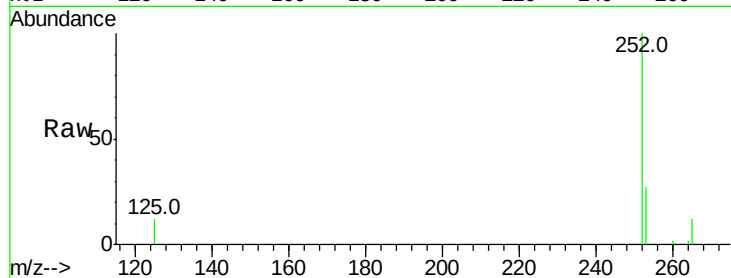
Tot Ion:252 Resp: 5733

Ion Ratio Lower Upper

252 100

253 27.5 28.5 42.7#

125 12.3 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

