

Data Path : Z:\HPCHEM1\BNA M\DATA\BM053017\
 Data File : BM010311.D
 Acq On : 30 May 2017 14:48
 Operator : SJ/MA
 Sample : SSTDCCC0.4
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :

Quant Time: May 31 05:28:29 2017
 Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM-EPA-SIM-BM053017.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue May 30 13:18:35 2017
 Response via : Initial Calibration

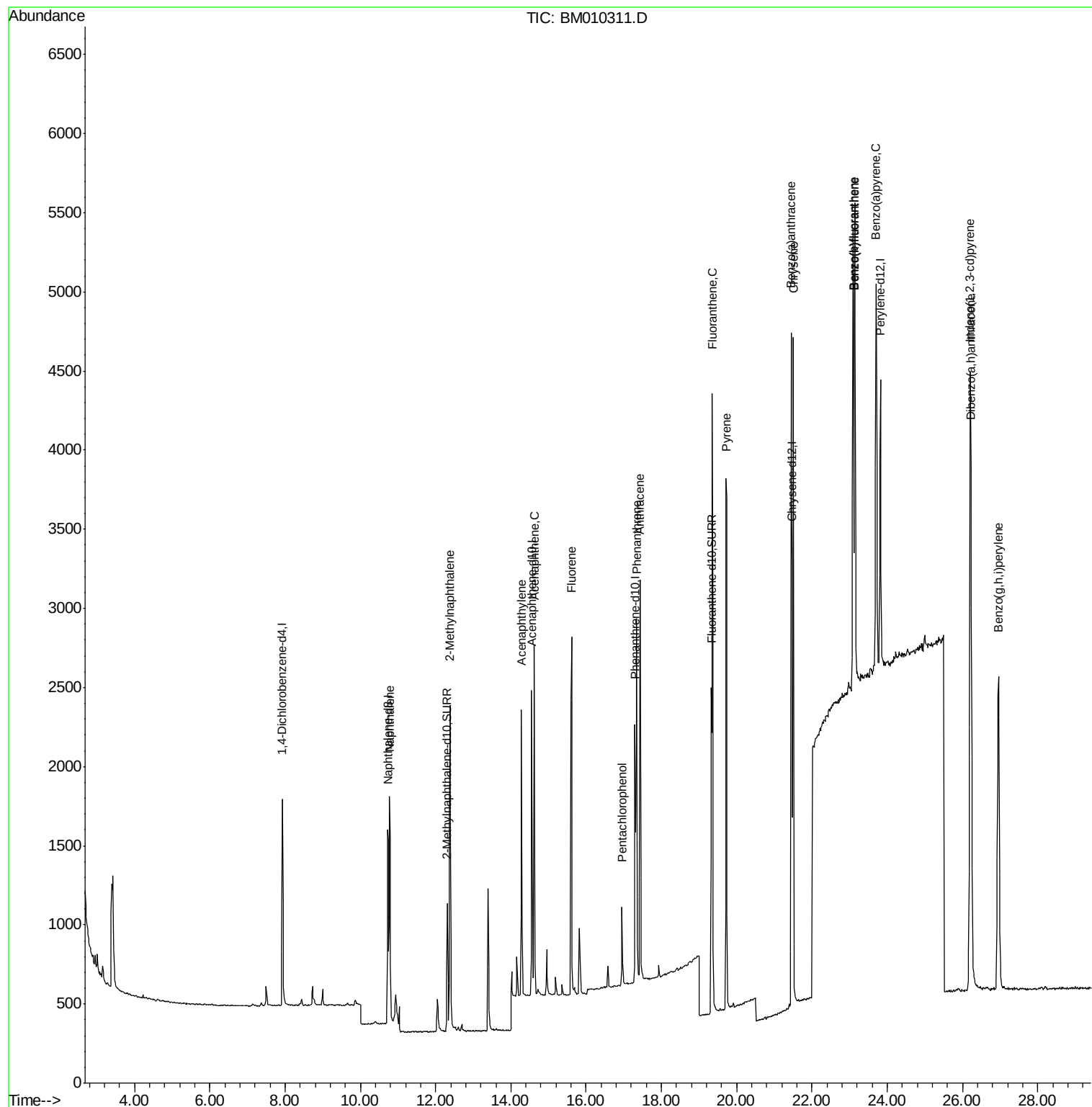
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.93	152	752	0.40	ng/ul	0.00
2) Naphthalene-d8	10.73	136	2104	0.40	ng/ul	0.00
6) Acenaphthene-d10	14.55	164	1110	0.40	ng/ul	0.00
10) Phenanthrene-d10	17.30	188	2510	0.40	ng/ul	0.00
16) Chrysene-d12	21.47	240	2414	0.40	ng/ul	0.00
20) Perylene-d12	23.82	264	2557	0.40	ng/ul	0.00
System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	12.31	152	1205	0.39	ng/ul	0.00
14) Fluoranthene-d10	19.33	212	2605	0.39	ng/ul	0.00
Target Compounds					Ovalue	
3) Naphthalene	10.78	128	2172	0.39	ng/ul	98
5) 2-Methylnaphthalene	12.38	142	1528	0.39	ng/ul	100
7) Acenaphthylene	14.28	152	2196	0.40	ng/ul	98
8) Acenaphthene	14.62	153	1691	0.40	ng/ul	92
9) Fluorene	15.62	166	1973	0.39	ng/ul	96
11) Pentachlorophenol	16.95	266	395	0.41	ng/ul	99
12) Phenanthrene	17.35	178	3132	0.39	ng/ul	93
13) Anthracene	17.43	178	2995	0.40	ng/ul	98
15) Fluoranthene	19.35	202	3977	0.40	ng/ul	96
17) Pyrene	19.73	202	4075	0.40	ng/ul	95
18) Benzo(a)anthracene	21.45	228	3969	0.40	ng/ul	99
19) Chrysene	21.50	228	3743	0.39	ng/ul	96
21) Benzo(b)fluoranthene	23.10	252	4663	0.42	ng/ul	84
22) Benzo(k)fluoranthene	23.14	252	4225	0.40	ng/ul#	86
23) Benzo(a)pyrene	23.70	252	4402	0.42	ng/ul#	85
24) Indeno(1,2,3-cd)pyrene	26.20	276	5696	0.41	ng/ul#	92
25) Dibenzo(a,h)anthracene	26.22	278	4577	0.41	ng/ul#	90
26) Benzo(g,h,i)perylene	26.95	276	4939	0.41	ng/ul#	94

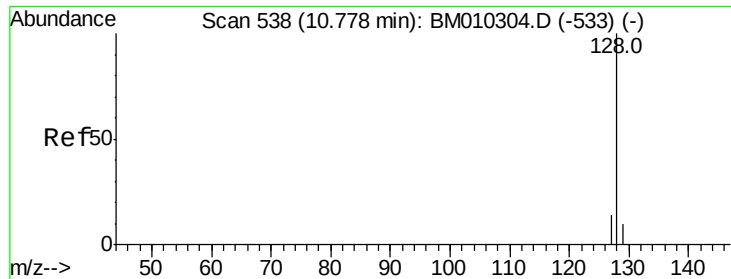
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Naphthalene

Concen: 0.39 ng/ul

RT: 10.78 min Scan# 538

Delta R.T. -0.00 min

Lab File: BM010311.D

Acq: 30 May 2017 14:48

Instrument :

BNA_M

ClientSampleId :

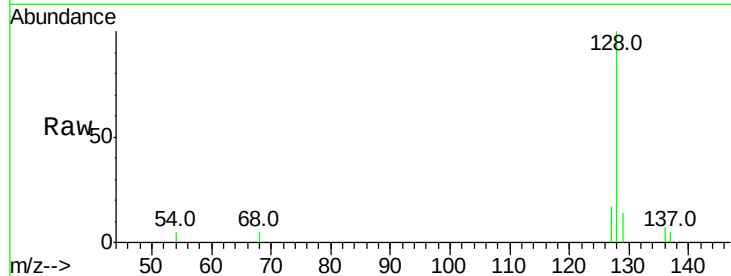
Tot Ion:128 Resp: 2172

Ion Ratio Lower Upper

128 100

129 14.2 11.3 16.9

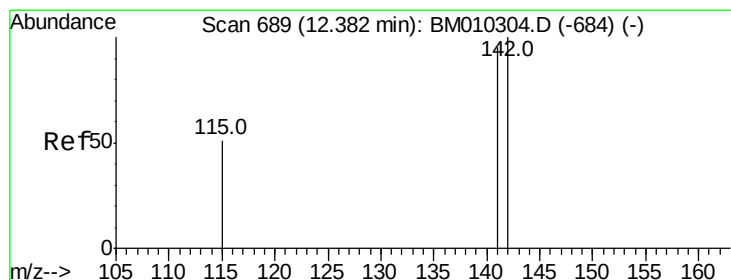
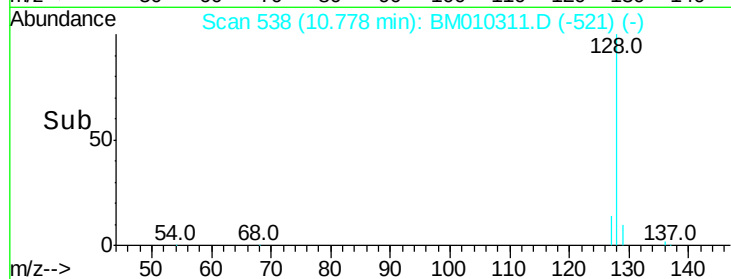
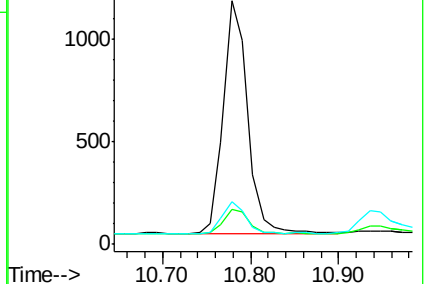
127 17.5 12.8 19.2



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: 0.39 ng/ul

RT: 12.38 min Scan# 689

Delta R.T. -0.00 min

Lab File: BM010311.D

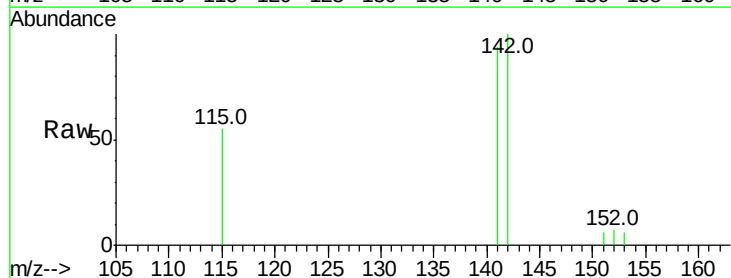
Acq: 30 May 2017 14:48

Tgt Ion:142 Resp: 1528

Ion Ratio Lower Upper

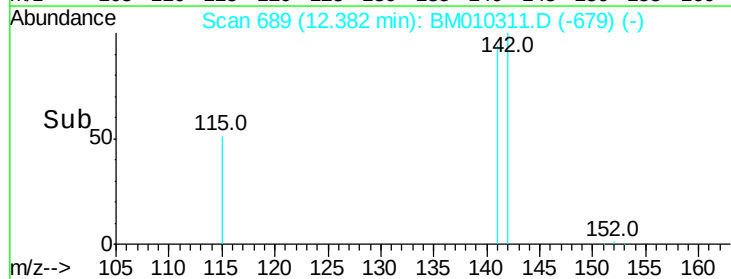
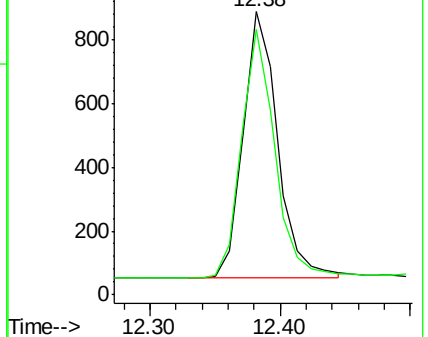
142 100

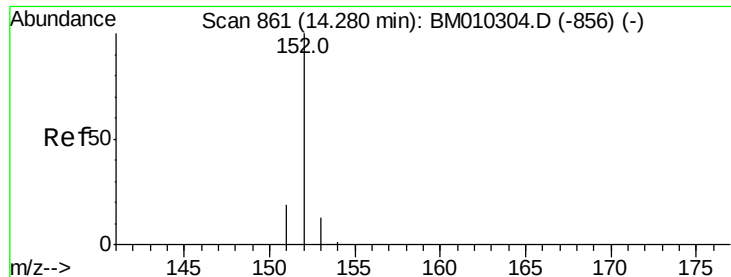
141 91.0 72.6 108.8



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#7

Acenaphthylene

Concen: 0.40 ng/ul

RT: 14.28 min Scan# 861

Delta R.T. -0.00 min

Lab File: BM010311.D

Acq: 30 May 2017 14:48

Instrument :

BNA_M

ClientSampleId :

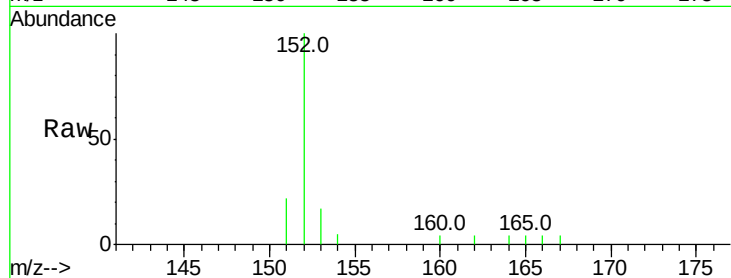
Tot Ion:152 Resp: 2196

Ion Ratio Lower Upper

152 100

151 22.2 17.1 25.7

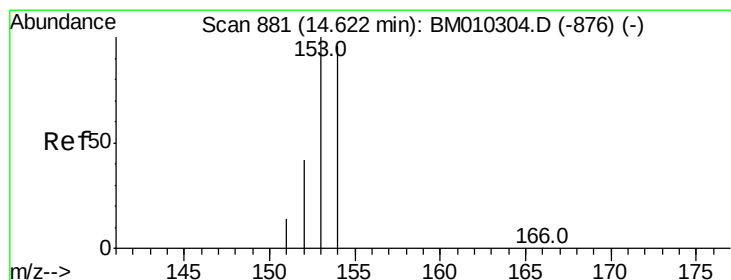
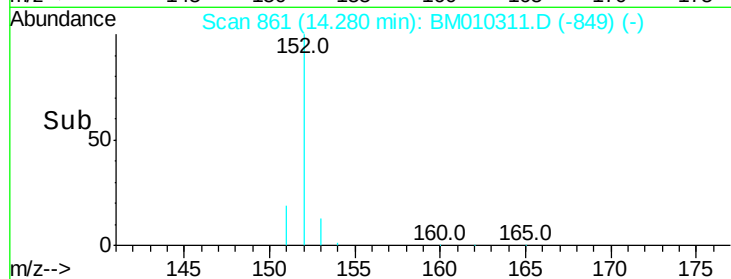
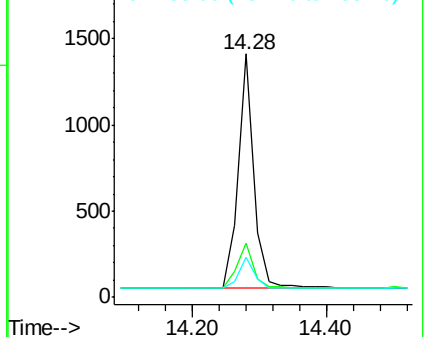
153 16.6 12.8 19.2



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: 0.40 ng/ul

RT: 14.62 min Scan# 881

Delta R.T. -0.00 min

Lab File: BM010311.D

Acq: 30 May 2017 14:48

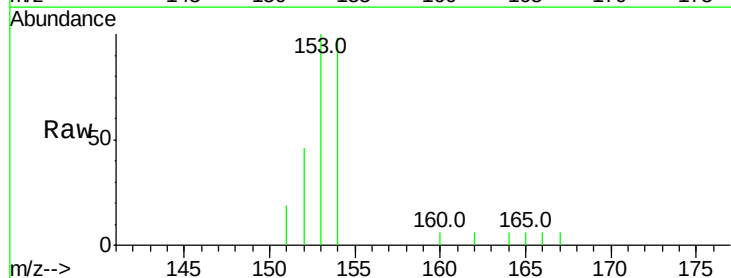
Tgt Ion:153 Resp: 1691

Ion Ratio Lower Upper

153 100

152 45.6 40.3 60.5

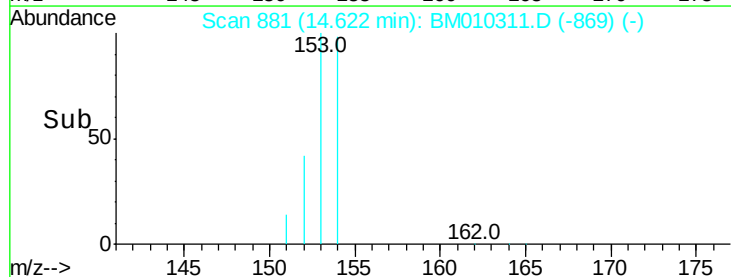
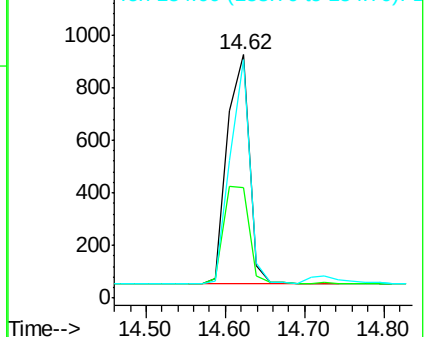
154 98.1 71.4 107.2

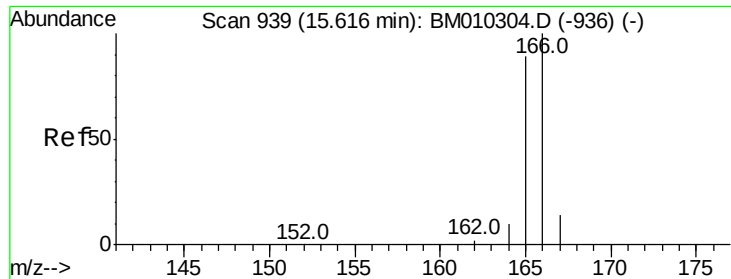


Abundance Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

Ion 154.00 (153.70 to 154.70): E





#9

Fluorene

Concen: 0.39 ng/ul

RT: 15.62 min Scan# 939

Delta R.T. -0.00 min

Lab File: BM010311.D

Acq: 30 May 2017 14:48

Instrument :

BNA_M

ClientSampled :

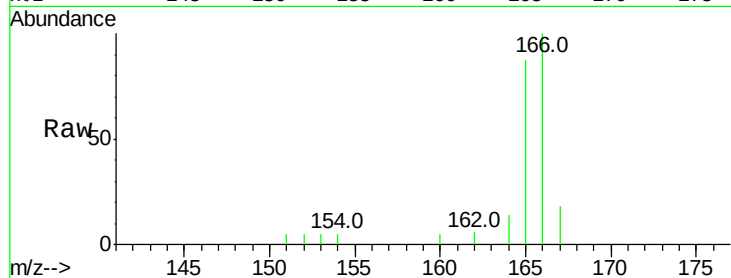
Tot Ion:166 Resp: 1973

Ion Ratio Lower Upper

166 100

165 86.9 73.4 110.2

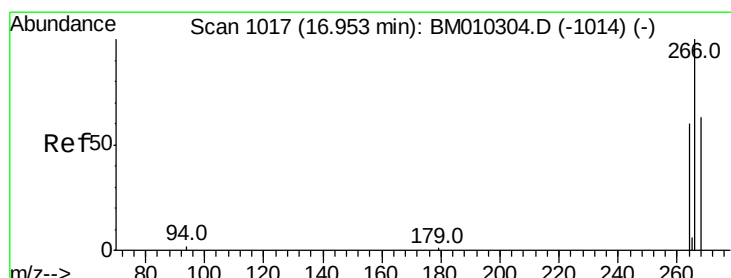
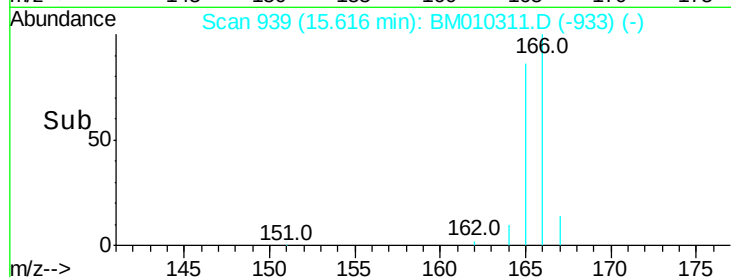
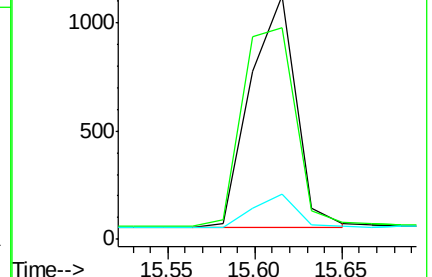
167 18.4 14.6 22.0



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



#11

Pentachlorophenol

Concen: 0.41 ng/ul

RT: 16.95 min Scan# 1017

Delta R.T. -0.00 min

Lab File: BM010311.D

Acq: 30 May 2017 14:48

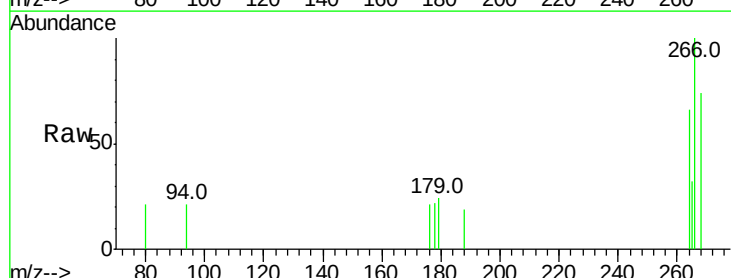
Tgt Ion:266 Resp: 395

Ion Ratio Lower Upper

266 100

264 59.2 47.9 71.9

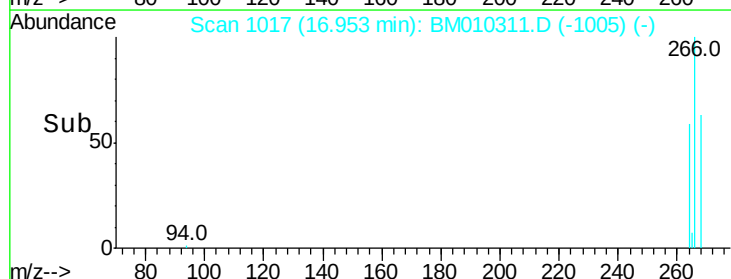
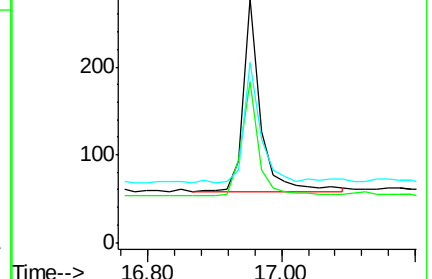
268 62.5 49.8 74.8

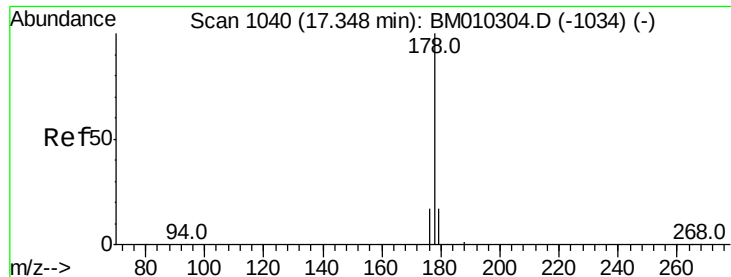


Abundance Ion 266.00 (265.70 to 266.70): E

Ion 264.00 (263.70 to 264.70): E

Ion 268.00 (267.70 to 268.70): E





#12

Phenanthrene

Concen: 0.39 ng/ul

RT: 17.35 min Scan# 1040

Delta R.T. -0.00 min

Lab File: BM010311.D

Acq: 30 May 2017 14:48

Instrument :

BNA_M

ClientSampleId :

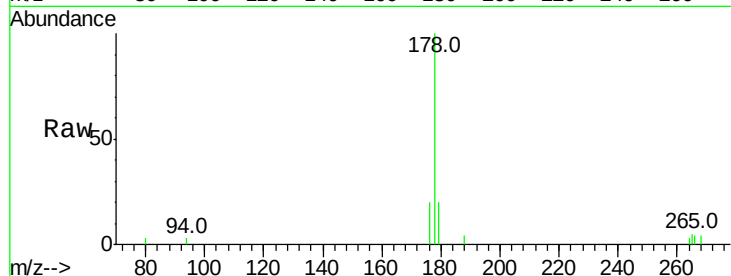
Tot Ion:178 Resp: 3132

Ion Ratio Lower Upper

178 100

176 19.5 18.4 27.6

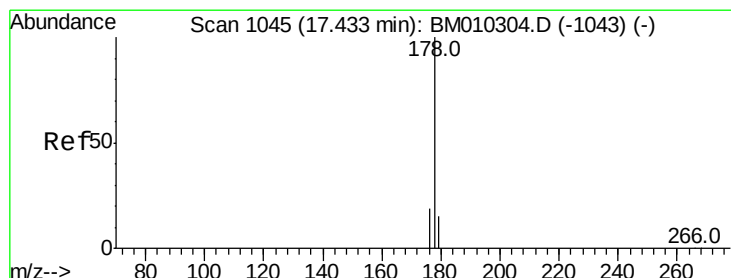
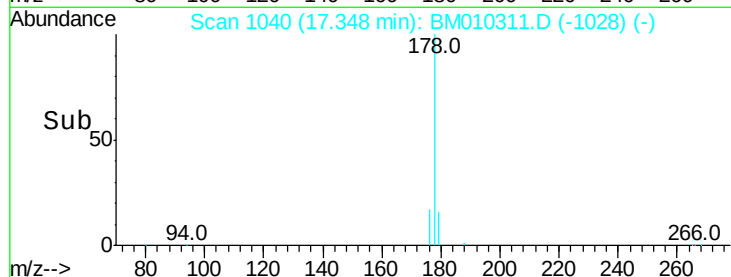
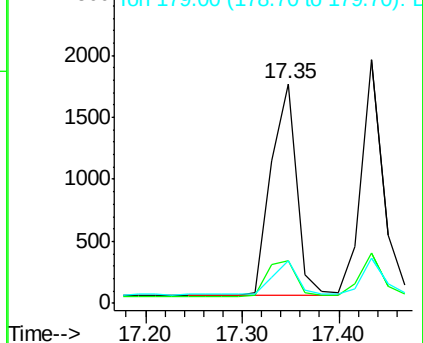
179 19.7 13.6 20.4



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: 0.40 ng/ul

RT: 17.43 min Scan# 1045

Delta R.T. -0.00 min

Lab File: BM010311.D

Acq: 30 May 2017 14:48

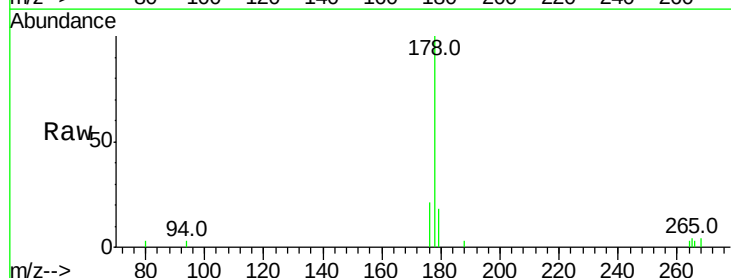
Tgt Ion:178 Resp: 2995

Ion Ratio Lower Upper

178 100

176 20.8 18.1 27.1

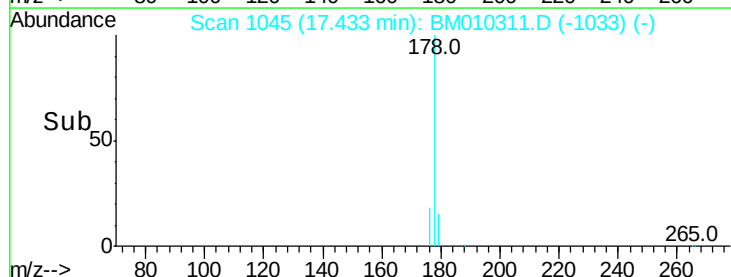
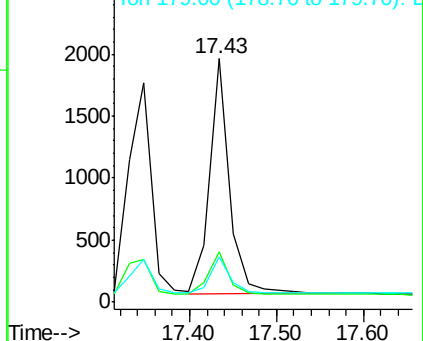
179 18.4 14.7 22.1

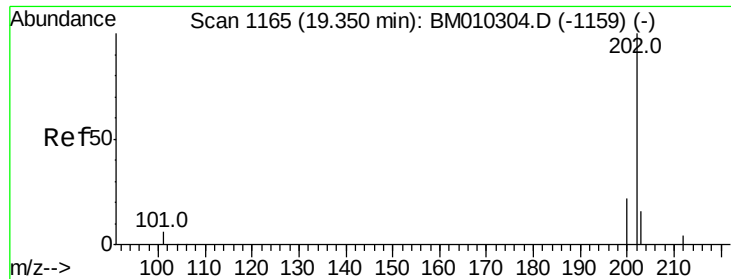


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#15

Fluoranthene

Concen: 0.40 ng/ul

RT: 19.35 min Scan# 1165

Delta R.T. -0.00 min

Lab File: BM010311.D

Acq: 30 May 2017 14:48

Instrument :

BNA_M

ClientSampleId :

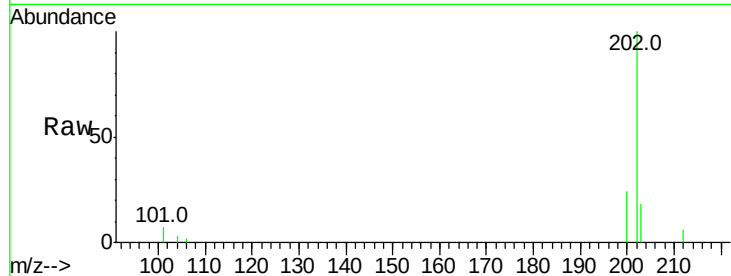
Tot Ion:202 Resp: 3977

Ion Ratio Lower Upper

202 100

101 7.3 0.0 30.3

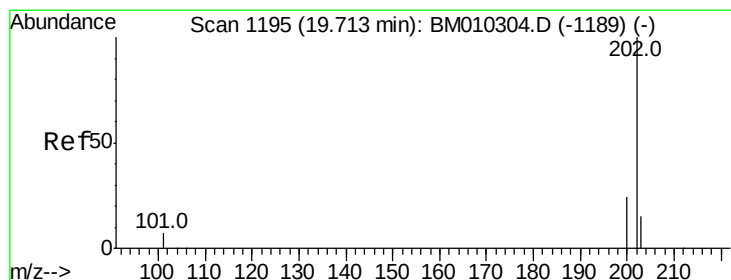
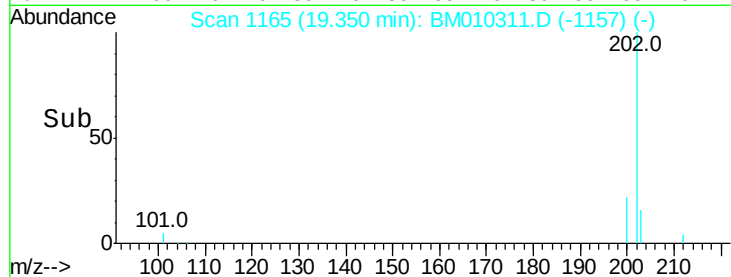
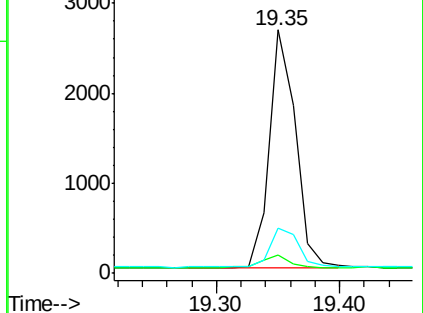
203 18.5 0.0 39.5



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: 0.40 ng/ul

RT: 19.73 min Scan# 1196

Delta R.T. 0.01 min

Lab File: BM010311.D

Acq: 30 May 2017 14:48

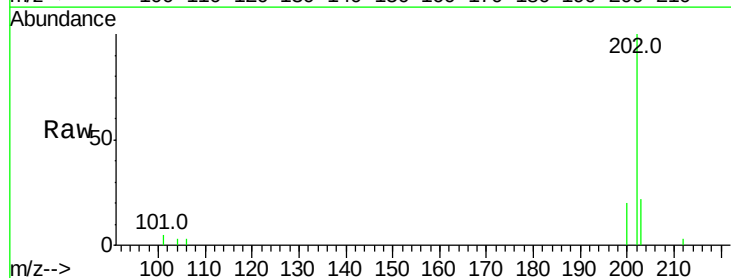
Tgt Ion:202 Resp: 4075

Ion Ratio Lower Upper

202 100

200 20.5 18.2 27.4

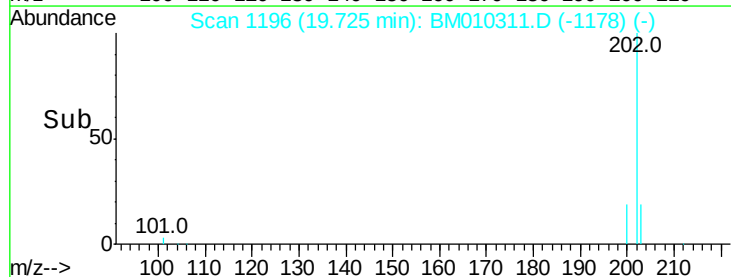
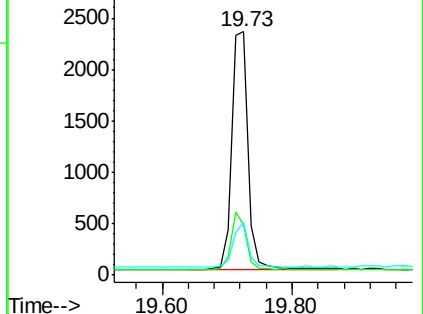
203 21.9 15.6 23.4

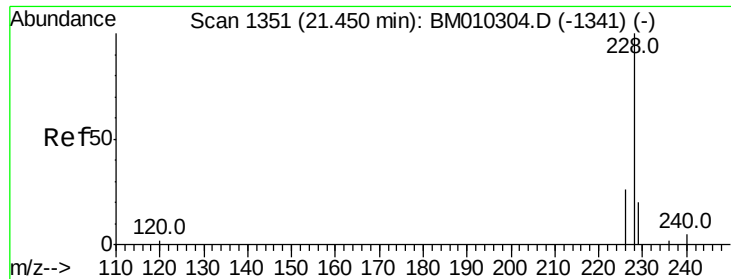


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#18

Benzo(a)anthracene

Concen: 0.40 ng/ul

RT: 21.45 min Scan# 1351

Delta R.T. -0.00 min

Lab File: BM010311.D

Acq: 30 May 2017 14:48

Instrument :

BNA_M

ClientSampleId :

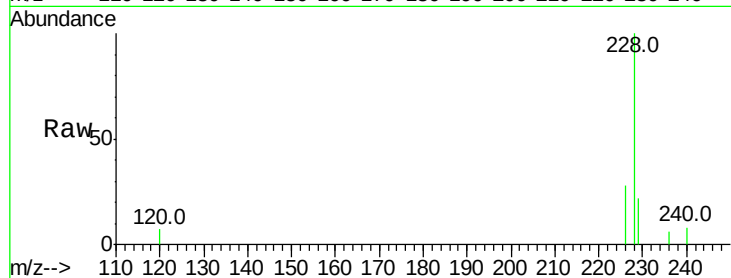
Tot Ion:228 Resp: 3969

Ion Ratio Lower Upper

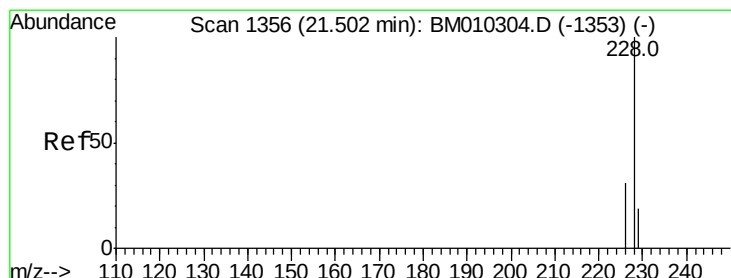
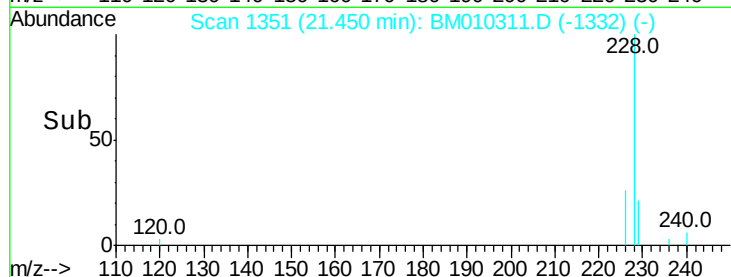
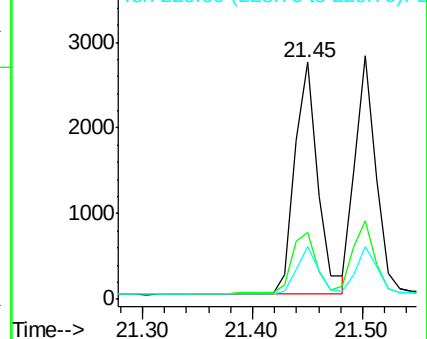
228 100

226 28.3 22.8 34.2

229 22.4 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: 0.39 ng/ul

RT: 21.50 min Scan# 1356

Delta R.T. -0.00 min

Lab File: BM010311.D

Acq: 30 May 2017 14:48

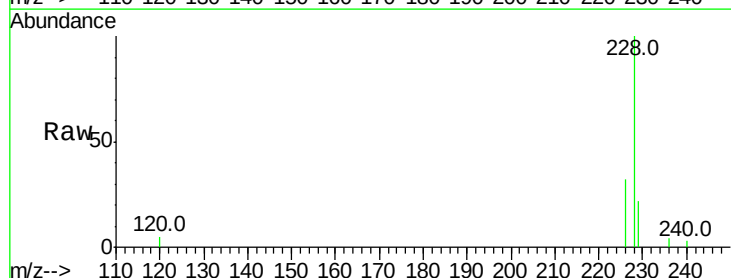
Tgt Ion:228 Resp: 3743

Ion Ratio Lower Upper

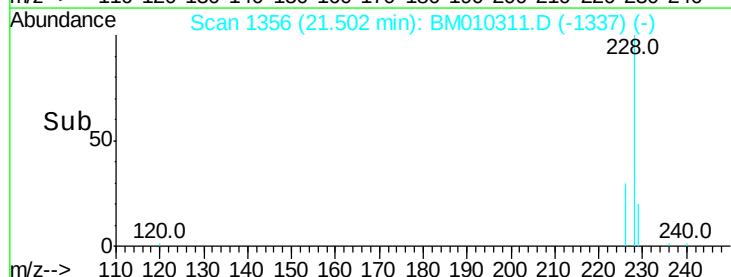
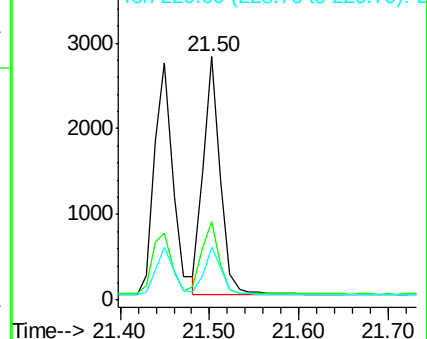
228 100

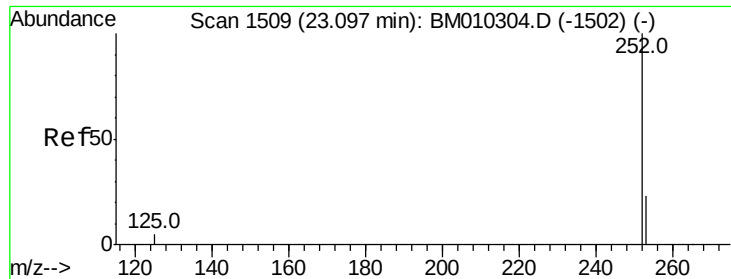
226 32.1 23.4 35.0

229 21.6 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: 0.42 ng/ul

RT: 23.10 min Scan# 1509

Delta R.T. -0.00 min

Lab File: BM010311.D

Acq: 30 May 2017 14:48

Instrument :

BNA_M

ClientSampleId :

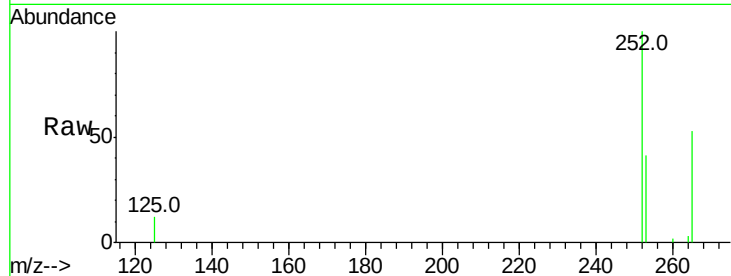
Tot Ion:252 Resp: 4663

Ion Ratio Lower Upper

252 100

253 41.5 0.0 64.2

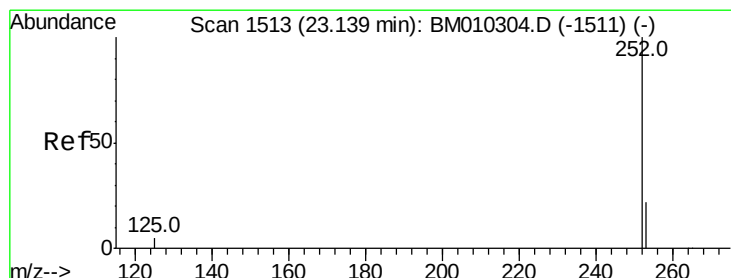
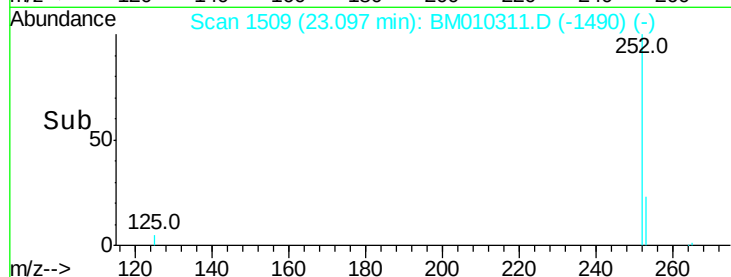
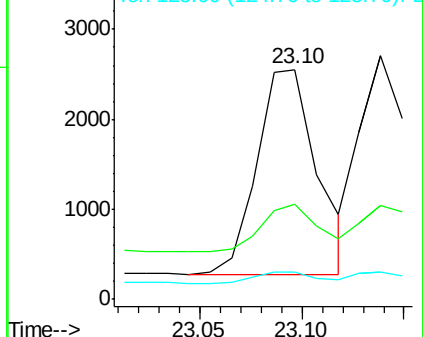
125 11.6 0.0 35.0



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: 0.40 ng/ul

RT: 23.14 min Scan# 1513

Delta R.T. -0.00 min

Lab File: BM010311.D

Acq: 30 May 2017 14:48

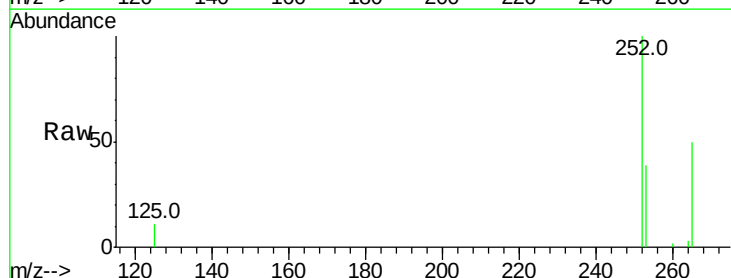
Tgt Ion:252 Resp: 4225

Ion Ratio Lower Upper

252 100

253 38.8 24.5 36.7#

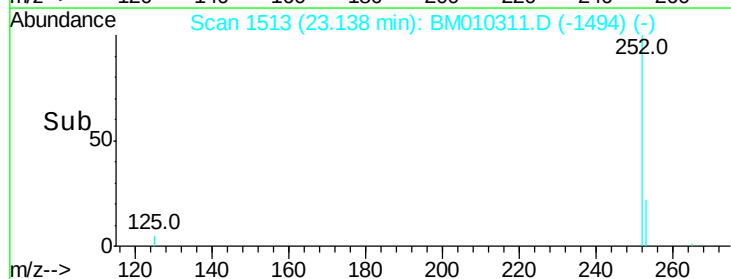
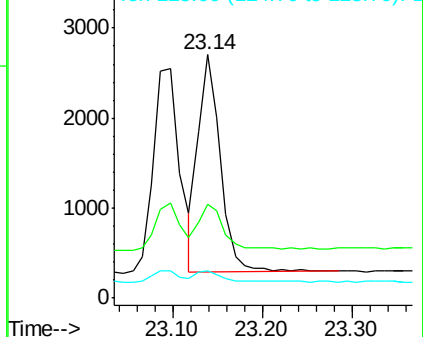
125 11.4 13.7 20.5#

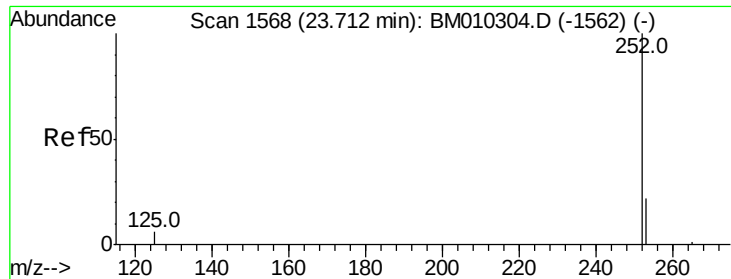


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#23

Benzo(a)pyrene

Concen: 0.42 ng/ul

RT: 23.70 min Scan# 1567

Delta R.T. -0.01 min

Lab File: BM010311.D

Acq: 30 May 2017 14:48

Instrument :

BNA_M

ClientSampleId :

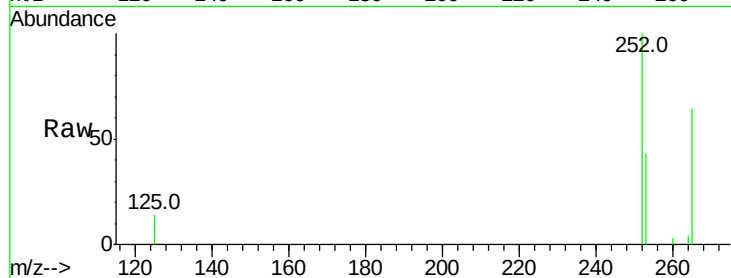
Tot Ion:252 Resp: 4402

Ion Ratio Lower Upper

252 100

253 42.8 28.5 42.7#

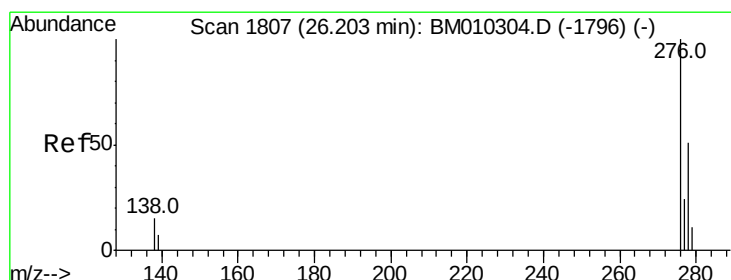
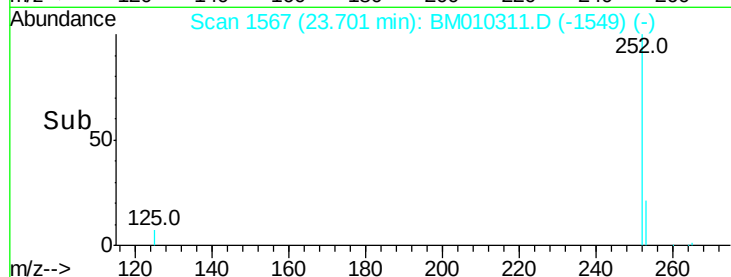
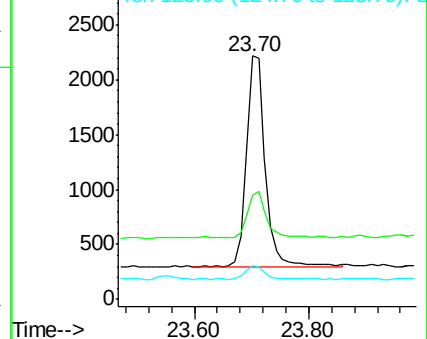
125 13.9 18.1 27.1#



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: 0.41 ng/ul

RT: 26.20 min Scan# 1807

Delta R.T. -0.00 min

Lab File: BM010311.D

Acq: 30 May 2017 14:48

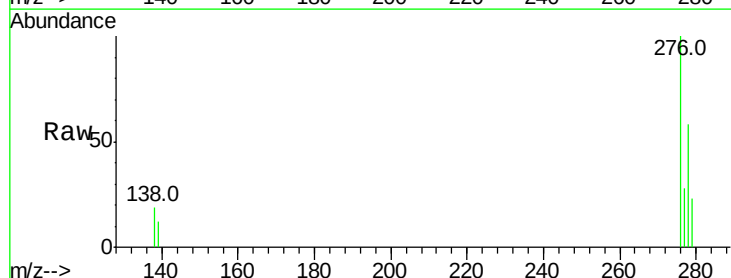
Tgt Ion:276 Resp: 5696

Ion Ratio Lower Upper

276 100

138 15.9 19.1 28.7#

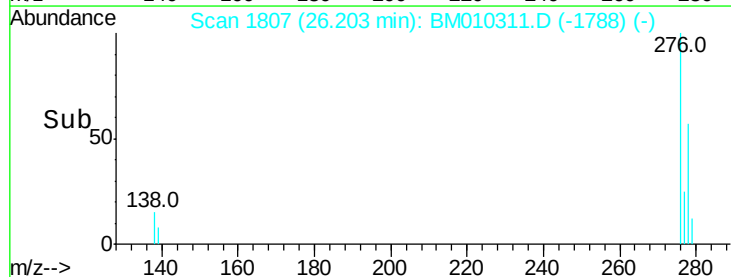
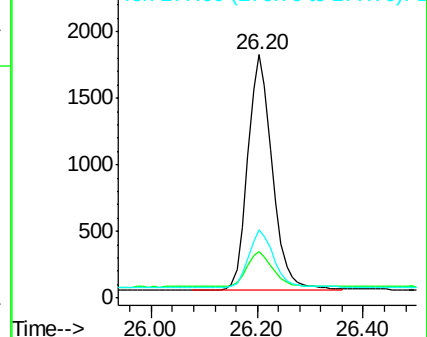
277 24.9 19.6 29.4

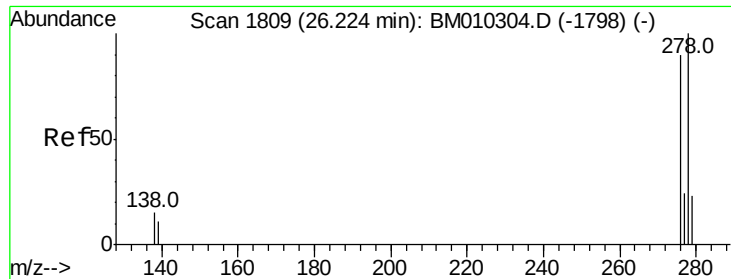


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E

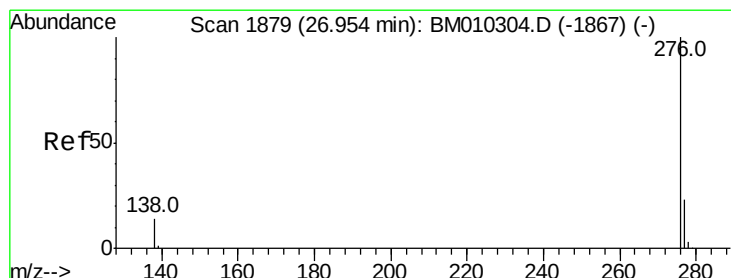
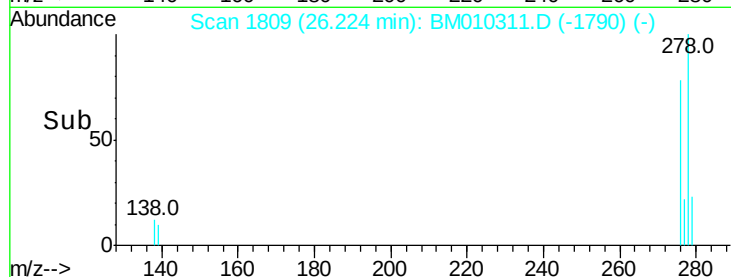
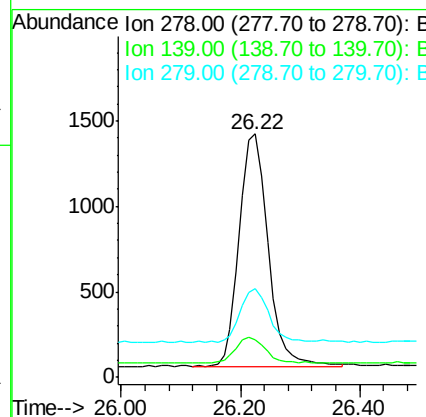
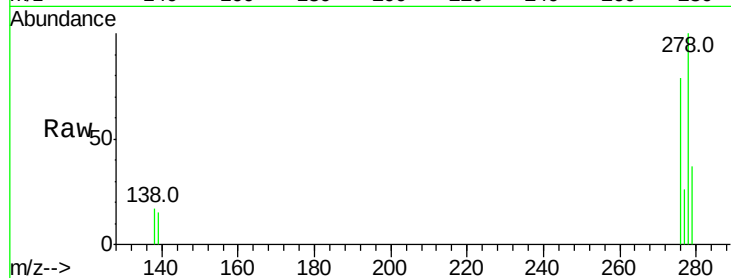




#25
Dibenzo(a,h)anthracene
Concen: 0.41 ng/ul
RT: 26.22 min Scan# 1809
Delta R.T. -0.00 min
Lab File: BM010311.D
Acq: 30 May 2017 14:48

Instrument :
BNA_M
ClientSampleId :

Tot Ion:278 Resp: 4577
Ion Ratio Lower Upper
278 100
139 15.4 17.4 26.0#
279 36.5 25.9 38.9



#26
Benzo(g,h,i)perylene
Concen: 0.41 ng/ul
RT: 26.95 min Scan# 1879
Delta R.T. -0.00 min
Lab File: BM010311.D
Acq: 30 May 2017 14:48

Tgt Ion:276 Resp: 4939
Ion Ratio Lower Upper
276 100
277 27.4 21.8 32.8
138 19.0 20.5 30.7#

