

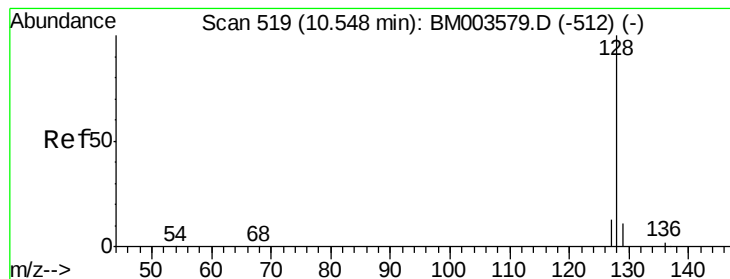
Data Path : Z:\HPCHEM1\BNA_M\DATA\BM121615\
 Data File : BM003584.D
 Acq On : 16 Dec 2015 19:06
 Operator : UM/IZ
 Sample : G4767-08
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 D9N30

Quant Time: Dec 17 03:01:15 2015
 Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-SIM-BM121515.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Dec 17 02:56:38 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.71	152	3836	0.40	ng/ul	0.00
4) Naphthalene-d8	10.50	136	15556	0.40	ng/ul	0.00
8) Acenaphthene-d10	14.37	164	9689	0.40	ng/ul	0.00
12) Phenanthrene-d10	17.21	188	841959	0.40	ng/ul	0.10
18) Chrysene-d12	21.31	240	16606	0.40	ng/ul	0.00
22) Perylene-d12	23.41	264	849419	0.40	ng/ul	-0.15
System Monitoring Compounds						
2) 1,4-Dioxane-d8	3.17	96	15728	9.59	ng/uL	0.00
6) 2-Methylnaphthalene-d10	12.09	152	4593	0.25	ng/ul	-0.01
16) Fluoranthene-d10	19.15	212	9502	0.01	ng/ul	0.00
Target Compounds				Qvalue		
5) Naphthalene	10.55	128	103240	2.95	ng/ul	99
7) 2-Methylnaphthalene	12.16	142	133459	5.67	ng/ul	99
9) Acenaphthylene	14.07	152	36207	0.98	ng/ul#	89
10) Acenaphthene	14.42	153	704725	23.62	ng/ul	89
11) Fluorene	15.41	166	691133	20.90	ng/ul	87
13) Pentachlorophenol	16.78	266	56	0.00	ng/ul#	82
14) Phenanthrene	17.23	178	234264	0.11	ng/ul#	94
15) Anthracene	17.23	178	230853	0.12	ng/ul	97
17) Fluoranthene	19.17	202	1543659	0.65	ng/ul	96
19) Pyrene	19.54	202	1062389	23.70	ng/ul	98
20) Benzo(a)anthracene	21.29	228	243453	6.00	ng/ul#	92
21) Chrysene	21.34	228	179284	3.86	ng/ul	94
24) Benzo(k)fluoranthene	22.88	252	146774	0.06	ng/ul	97
25) Benzo(a)pyrene	23.36	252	41910	0.02	ng/ul	98
26) Indeno(1,2,3-cd)pyrene	25.65	276	443	0.00	ng/ul#	53
27) Dibenzo(a,h)anthracene	25.74	278	1386	0.00	ng/ul#	43

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



#5

Naphthalene

Concen: 2.95 ng/ul

RT: 10.55 min Scan# 519

Delta R.T. 0.00 min

Lab File: BM003584.D

Acq: 16 Dec 2015 19:06

Instrument :

BNA_M

ClientSampleId :

D9N30

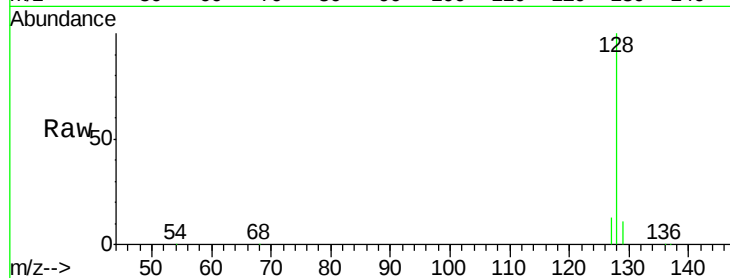
Tgt Ion:128 Resp: 103240

Ion Ratio Lower Upper

128 100

129 11.0 9.0 13.6

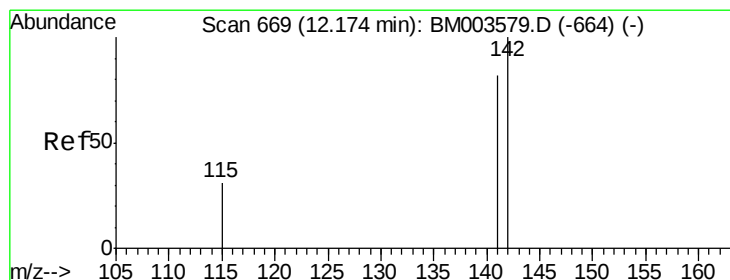
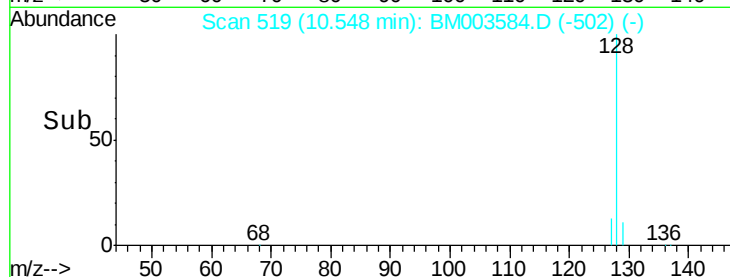
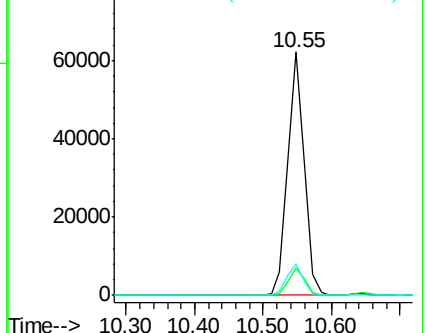
127 12.8 9.6 14.4



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



#7

2-Methylnaphthalene

Concen: 5.67 ng/ul

RT: 12.16 min Scan# 668

Delta R.T. -0.01 min

Lab File: BM003584.D

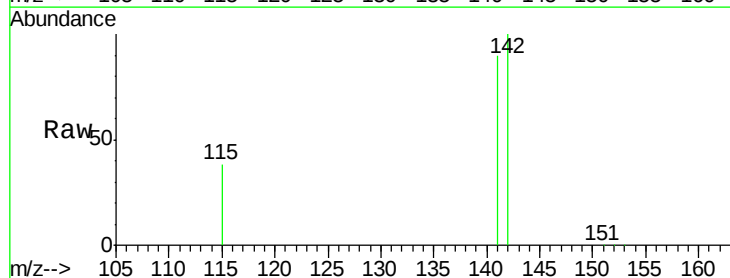
Acq: 16 Dec 2015 19:06

Tgt Ion:142 Resp: 133459

Ion Ratio Lower Upper

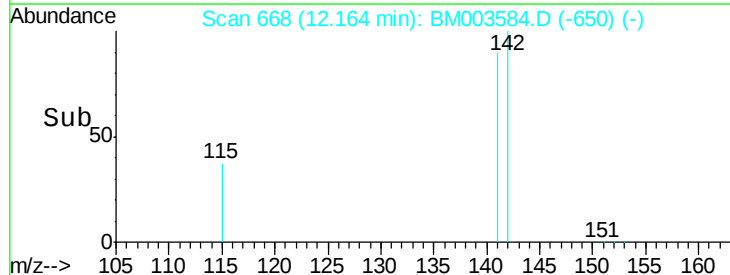
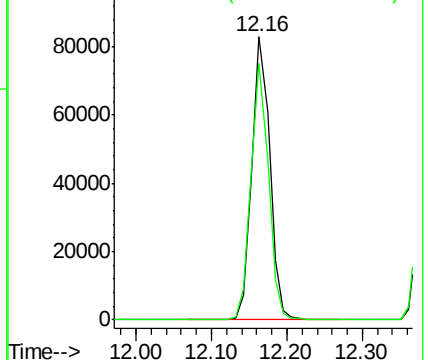
142 100

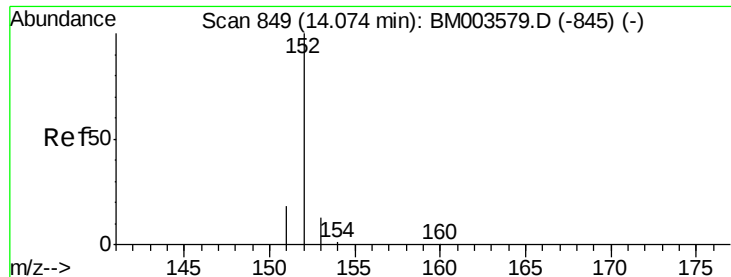
141 89.0 70.3 105.5



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#9

Acenaphthylene

Concen: 0.98 ng/ul

RT: 14.07 min Scan# 849

Delta R.T. 0.00 min

Lab File: BM003584.D

Acq: 16 Dec 2015 19:06

Instrument :

BNA_M

ClientSampleId :

D9N30

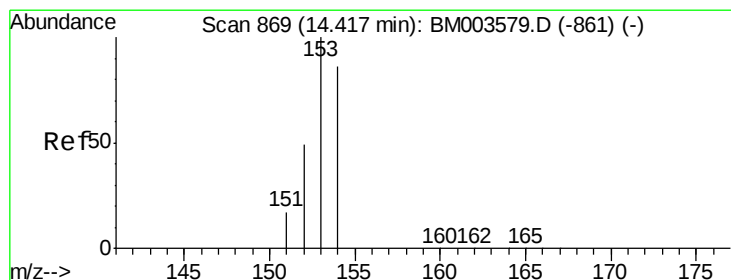
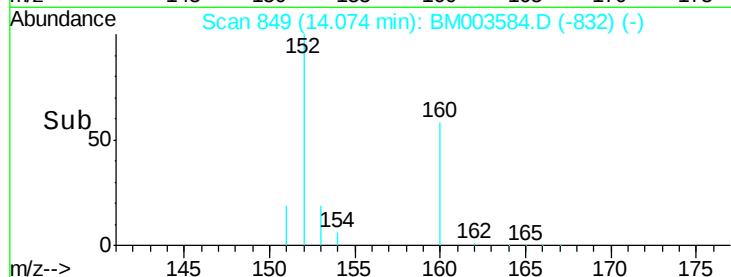
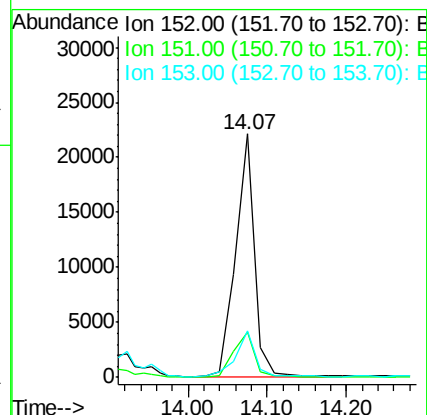
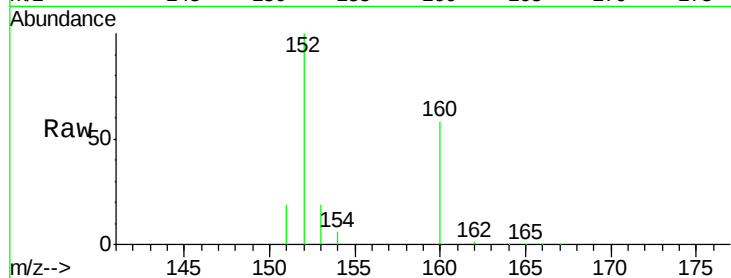
Tgt Ion:152 Resp: 36207

Ion Ratio Lower Upper

152 100

151 18.8 17.6 26.4

153 19.3 9.7 14.5#



#10

Acenaphthene

Concen: 23.62 ng/ul

RT: 14.42 min Scan# 869

Delta R.T. 0.00 min

Lab File: BM003584.D

Acq: 16 Dec 2015 19:06

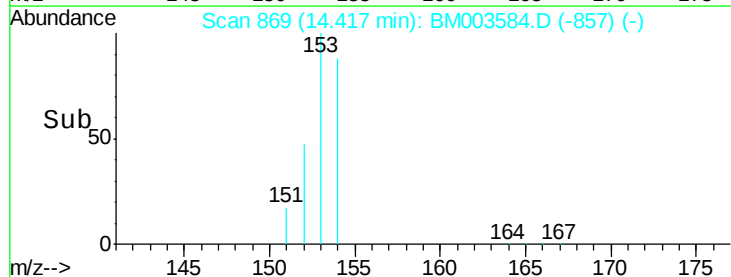
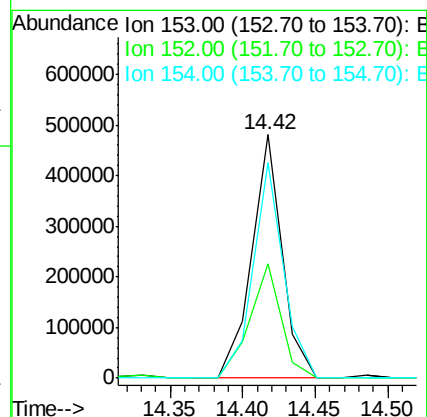
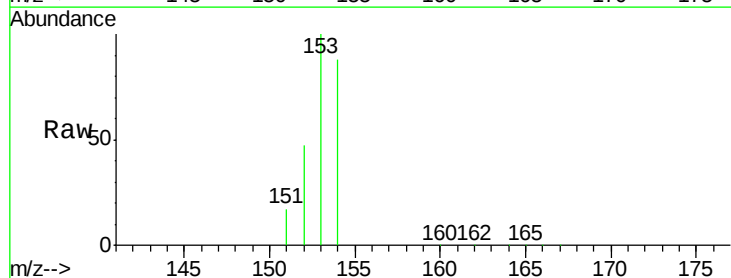
Tgt Ion:153 Resp: 704725

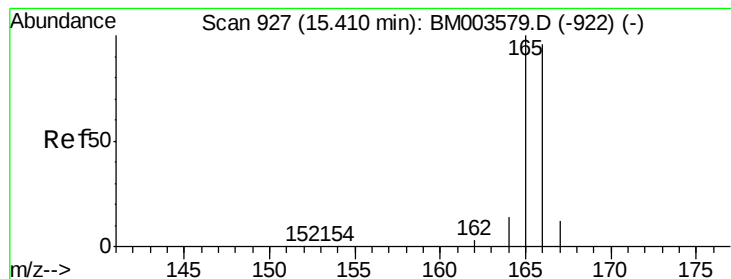
Ion Ratio Lower Upper

153 100

152 47.0 33.9 50.9

154 88.4 80.6 121.0





#11

Fluorene

Concen: 20.90 ng/ul

RT: 15.41 min Scan# 927

Delta R.T. 0.00 min

Lab File: BM003584.D

Acq: 16 Dec 2015 19:06

Instrument :

BNA_M

ClientSampleId :

D9N30

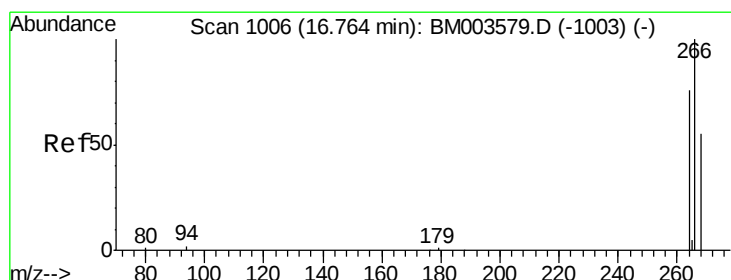
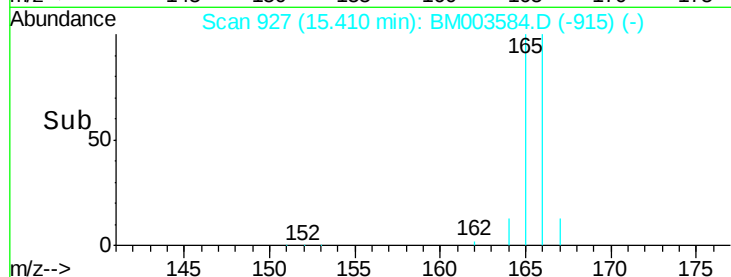
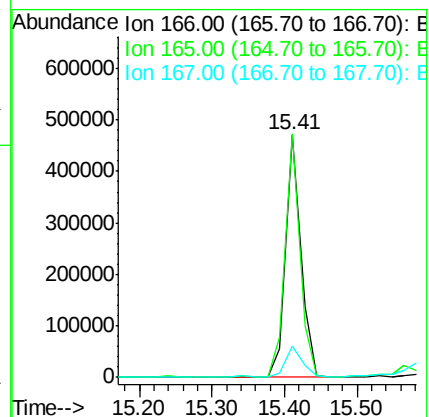
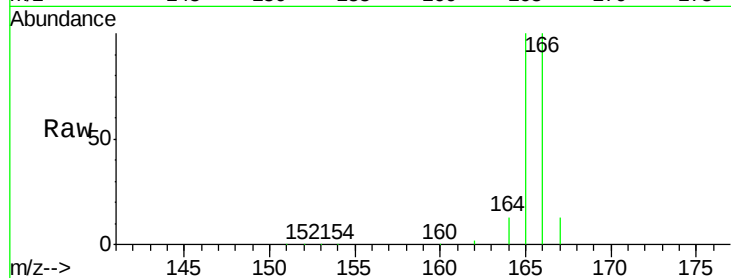
Tgt Ion:166 Resp: 691133

Ion Ratio Lower Upper

166 100

165 100.3 69.6 104.4

167 13.1 11.9 17.9



#13

Pentachlorophenol

Concen: 0.00 ng/ul

RT: 16.78 min Scan# 1007

Delta R.T. 0.02 min

Lab File: BM003584.D

Acq: 16 Dec 2015 19:06

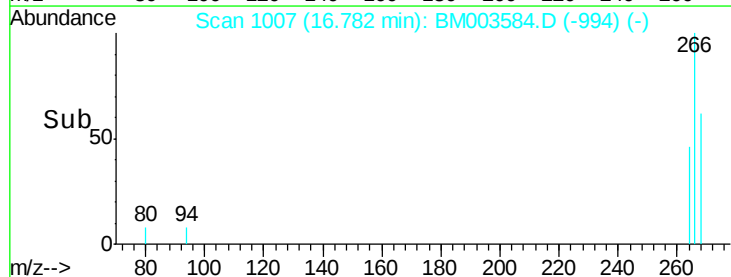
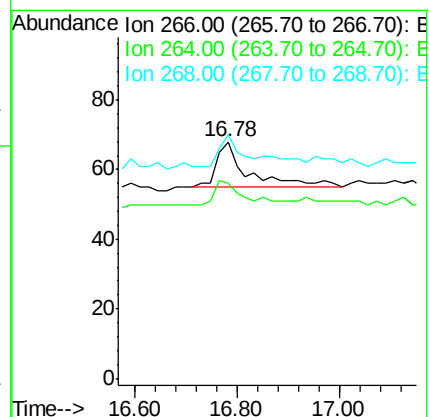
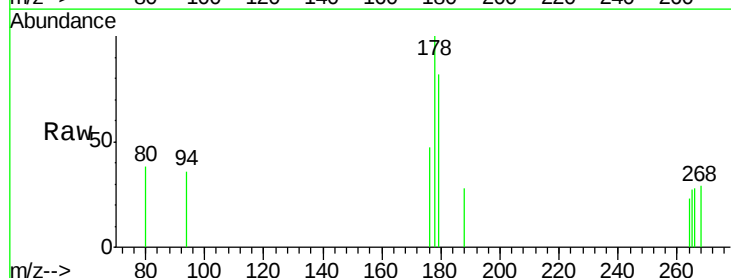
Tgt Ion:266 Resp: 56

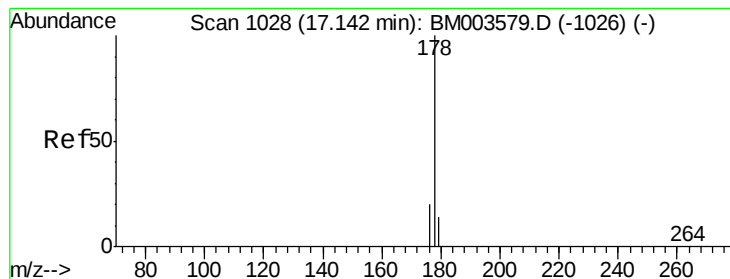
Ion Ratio Lower Upper

266 100

264 44.6 51.8 77.8#

268 66.1 46.8 70.2

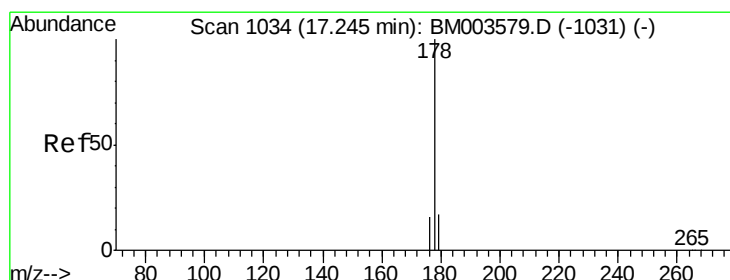
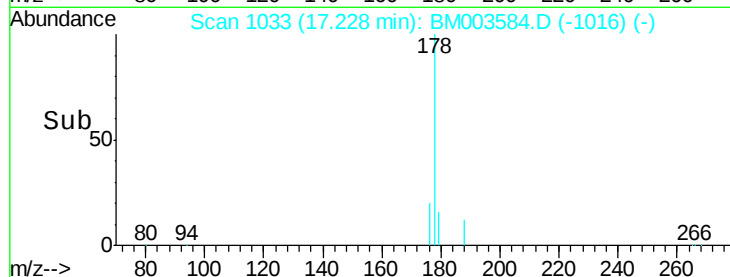
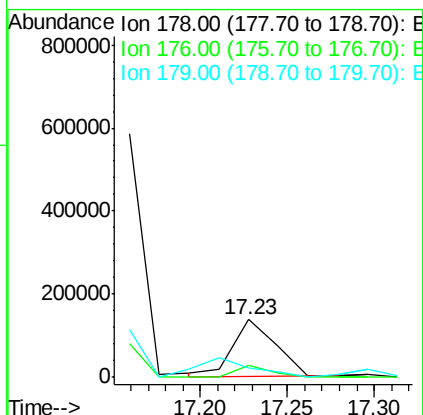
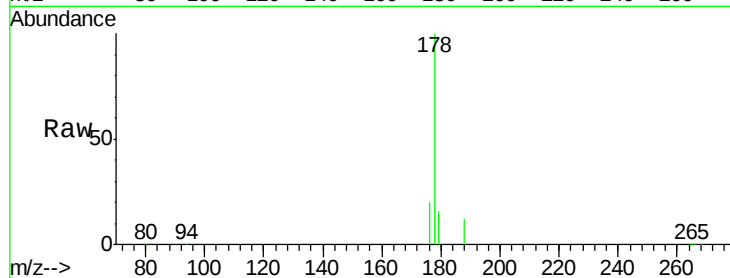




#14
Phenanthrene
Concen: 0.11 ng/ul
RT: 17.23 min Scan# 1033
Delta R.T. 0.09 min
Lab File: BM003584.D
Acq: 16 Dec 2015 19:06

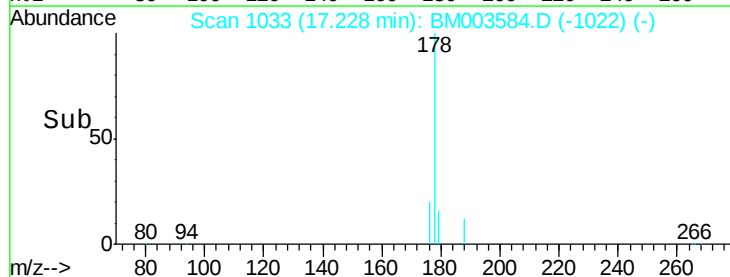
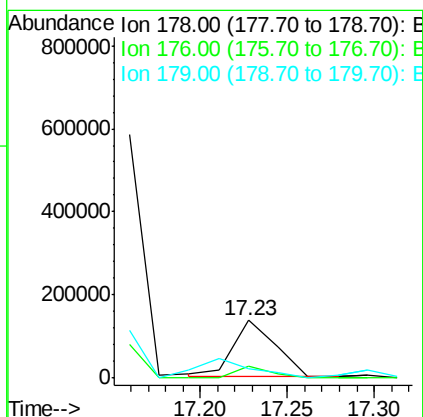
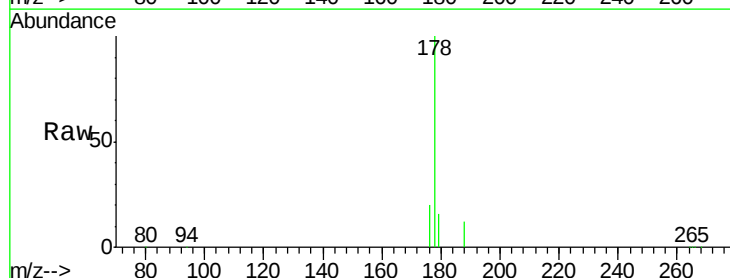
Instrument :
BNA_M
ClientSampleId :
D9N30

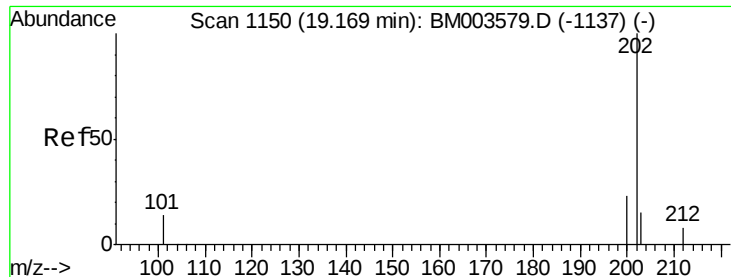
Tgt Ion:178 Resp: 234264
Ion Ratio Lower Upper
178 100
176 20.3 13.0 19.4#
179 16.2 14.2 21.2



#15
Anthracene
Concen: 0.12 ng/ul
RT: 17.23 min Scan# 1033
Delta R.T. -0.02 min
Lab File: BM003584.D
Acq: 16 Dec 2015 19:06

Tgt Ion:178 Resp: 230853
Ion Ratio Lower Upper
178 100
176 20.3 14.0 21.0
179 16.2 12.9 19.3

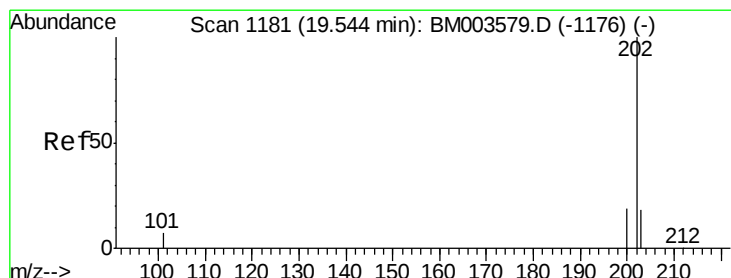
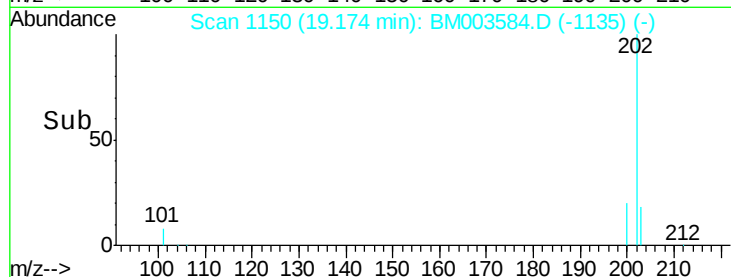
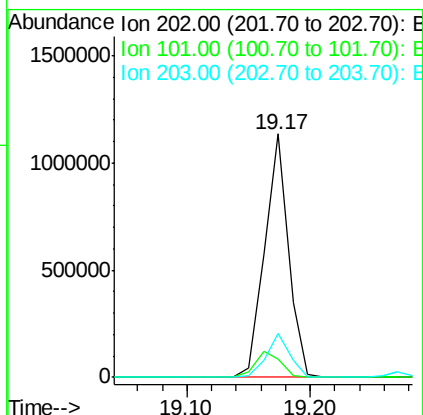
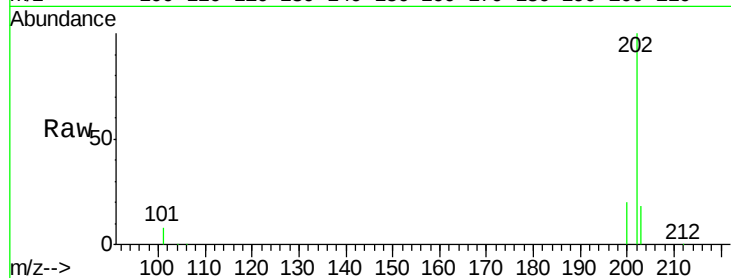




#17
Fluoranthene
Concen: 0.65 ng/ul
RT: 19.17 min Scan# 1150
Delta R.T. 0.01 min
Lab File: BM003584.D
Acq: 16 Dec 2015 19:06

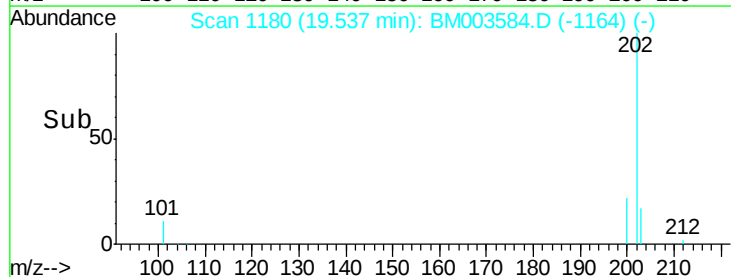
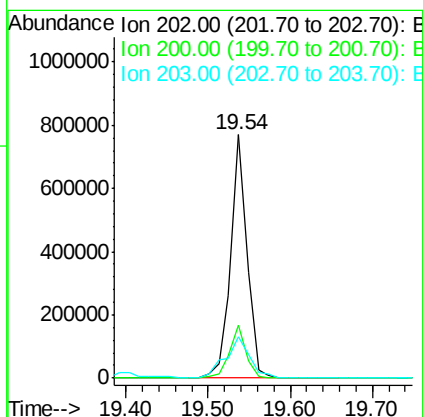
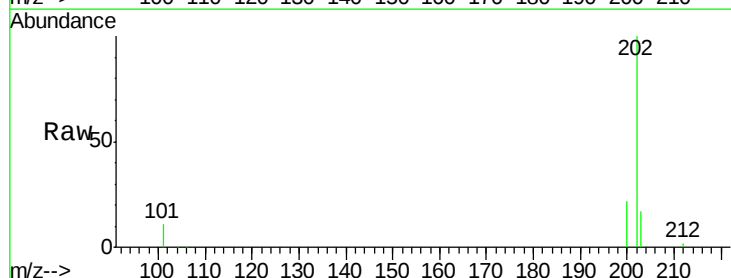
Instrument :
BNA_M
ClientSampleId :
D9N30

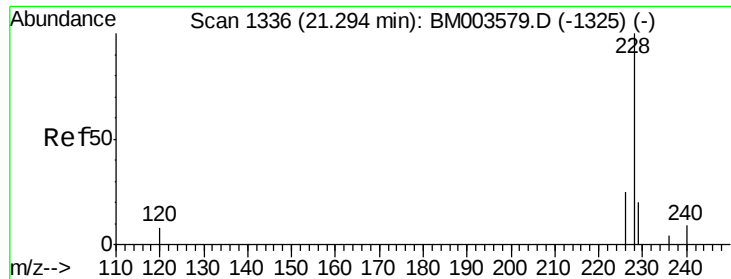
Tgt Ion:202 Resp: 1543659
Ion Ratio Lower Upper
202 100
101 7.6 0.0 29.6
203 17.9 0.0 36.3



#19
Pyrene
Concen: 23.70 ng/ul
RT: 19.54 min Scan# 1180
Delta R.T. -0.01 min
Lab File: BM003584.D
Acq: 16 Dec 2015 19:06

Tgt Ion:202 Resp: 1062389
Ion Ratio Lower Upper
202 100
200 21.5 17.8 26.8
203 17.1 12.8 19.2





#20

Benzo(a)anthracene

Concen: 6.00 ng/u1

RT: 21.29 min Scan# 1335

Delta R.T. -0.01 min

Lab File: BM003584.D

Acq: 16 Dec 2015 19:06

Instrument :

BNA_M

ClientSampleId :

D9N30

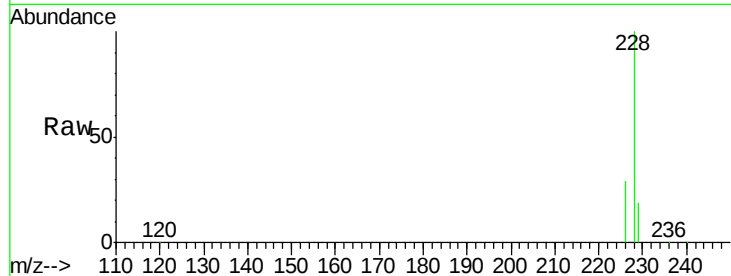
Tgt Ion:228 Resp: 243453

Ion Ratio Lower Upper

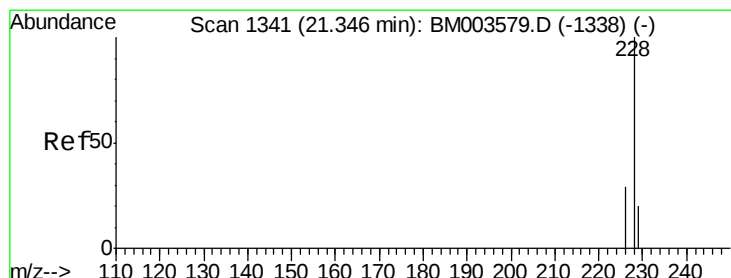
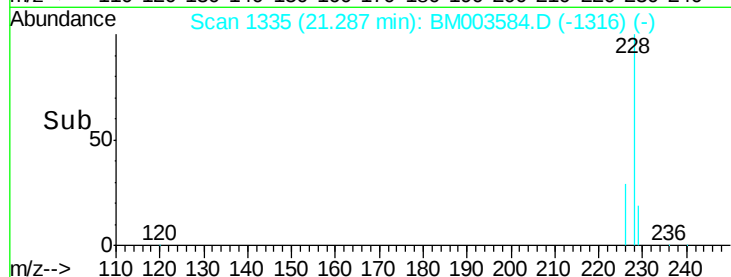
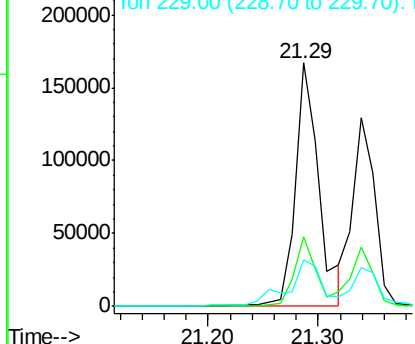
228 100

226 28.8 18.8 28.2#

229 18.9 17.1 25.7



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

Chrysene

Concen: 3.86 ng/u1

RT: 21.34 min Scan# 1340

Delta R.T. -0.01 min

Lab File: BM003584.D

Acq: 16 Dec 2015 19:06

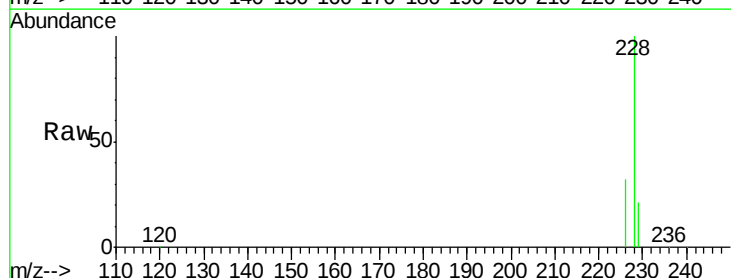
Tgt Ion:228 Resp: 179284

Ion Ratio Lower Upper

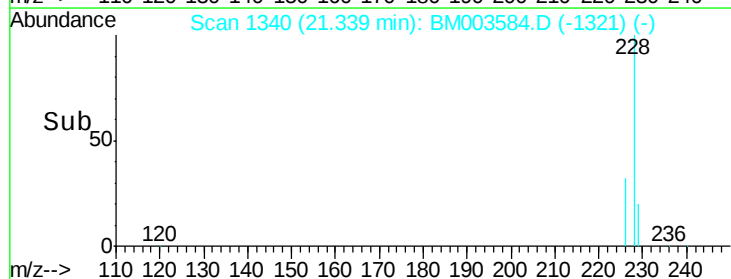
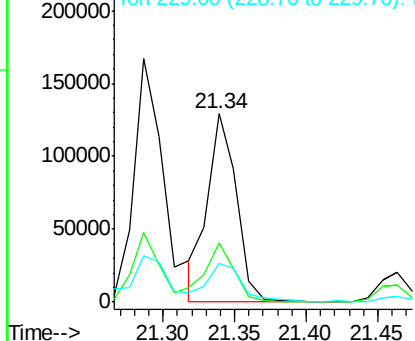
228 100

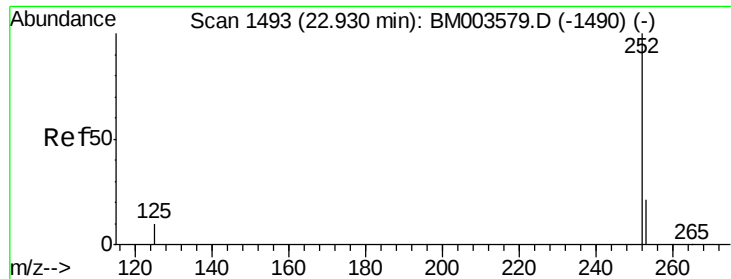
226 31.6 21.2 31.8

229 20.7 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





#24

Benzo(k)fluoranthene

Concen: 0.06 ng/u1

RT: 22.88 min Scan# 1488

Delta R.T. -0.05 min

Lab File: BM003584.D

Acq: 16 Dec 2015 19:06

Instrument :

BNA_M

ClientSampleId :

D9N30

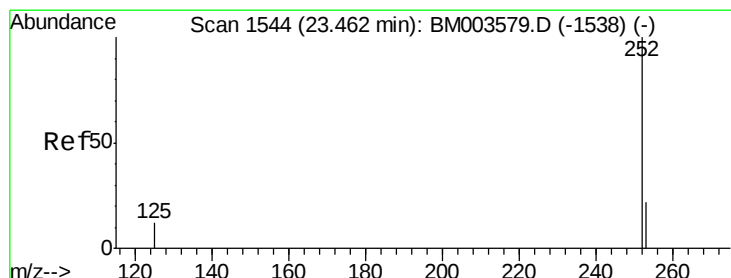
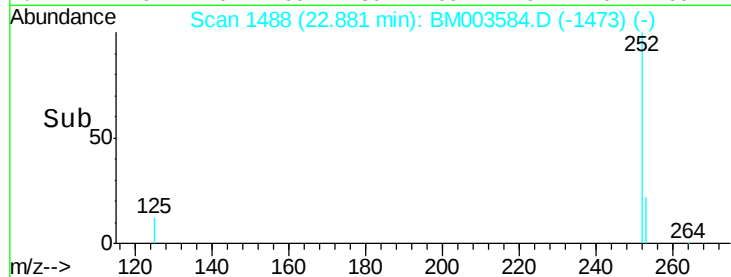
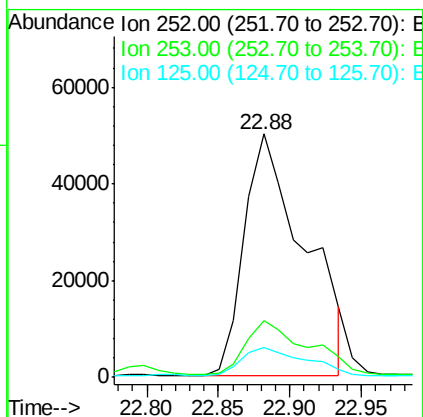
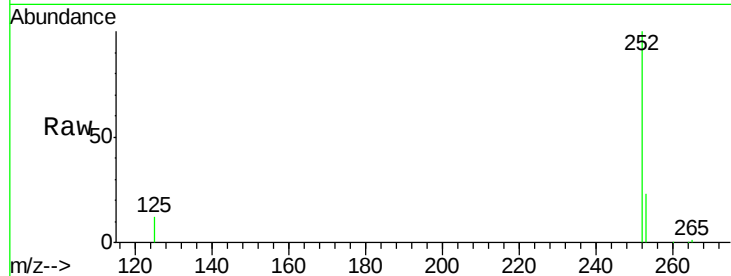
Tgt Ion:252 Resp: 146774

Ion Ratio Lower Upper

252 100

253 23.1 19.8 29.8

125 12.1 10.4 15.6



#25

Benzo(a)pyrene

Concen: 0.02 ng/u1

RT: 23.36 min Scan# 1534

Delta R.T. -0.10 min

Lab File: BM003584.D

Acq: 16 Dec 2015 19:06

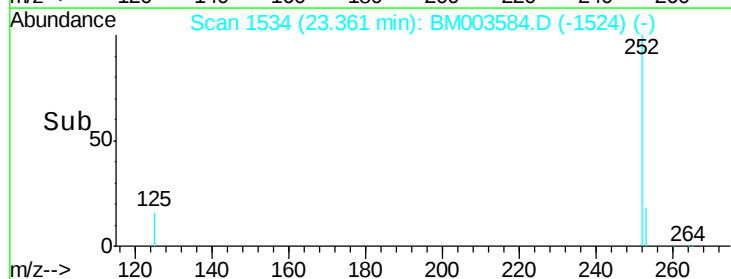
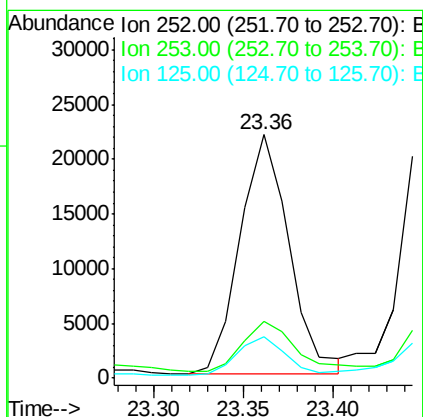
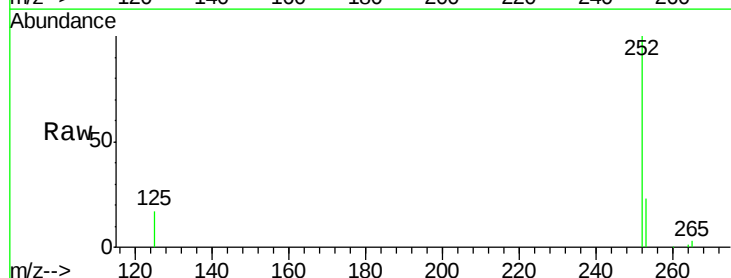
Tgt Ion:252 Resp: 41910

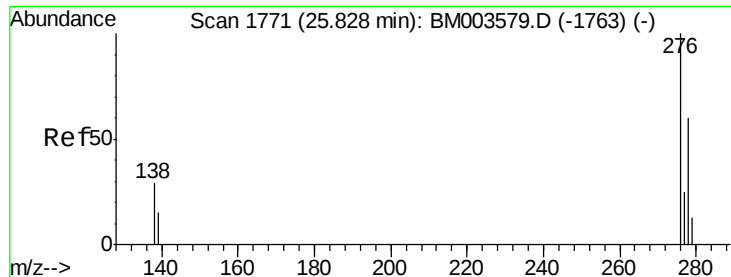
Ion Ratio Lower Upper

252 100

253 23.2 19.4 29.2

125 16.9 12.7 19.1





#26

Indeno(1,2,3-cd)pyrene

Concen: 0.00 ng/ul

RT: 25.65 min Scan# 1754

Delta R.T. -0.17 min

Lab File: BM003584.D

Acq: 16 Dec 2015 19:06

Instrument :

BNA_M

ClientSampleId :

D9N30

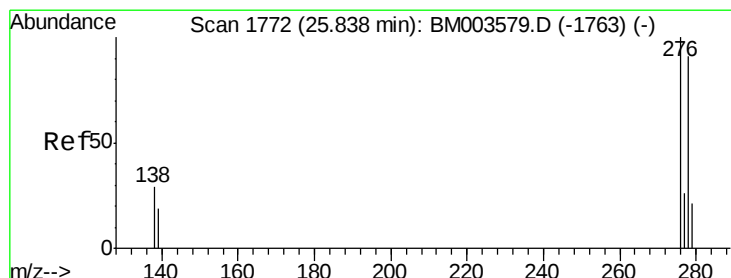
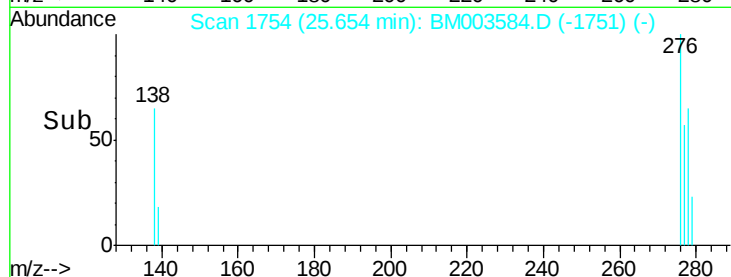
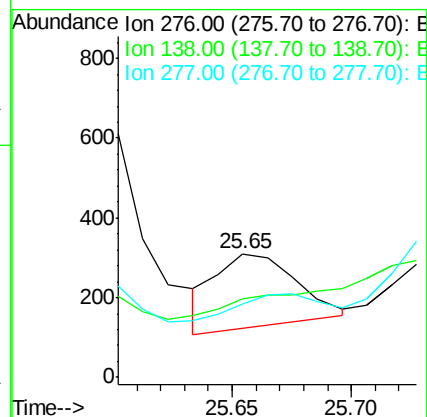
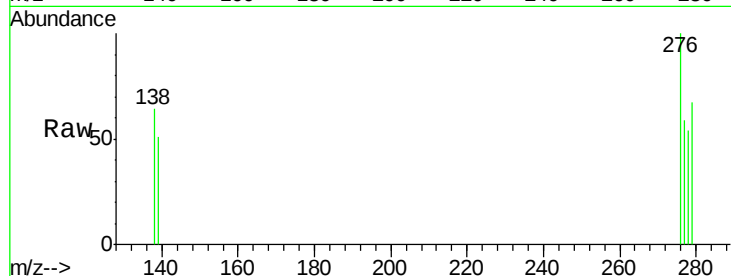
Tgt Ion: 276 Resp: 443

Ion Ratio Lower Upper

276 100

138 0.0 16.3 24.5#

277 0.0 19.8 29.8#



#27

Dibenzo(a,h)anthracene

Concen: 0.00 ng/ul

RT: 25.74 min Scan# 1762

Delta R.T. -0.10 min

Lab File: BM003584.D

Acq: 16 Dec 2015 19:06

Tgt Ion: 278 Resp: 1386

Ion Ratio Lower Upper

278 100

139 44.5 16.4 24.6#

279 56.5 20.2 30.2#

