

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM121615\
 Data File : BM003594.D
 Acq On : 17 Dec 2015 02:55
 Operator : UM/IZ
 Sample : SSTDCCC0.4
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 SSTD0.457

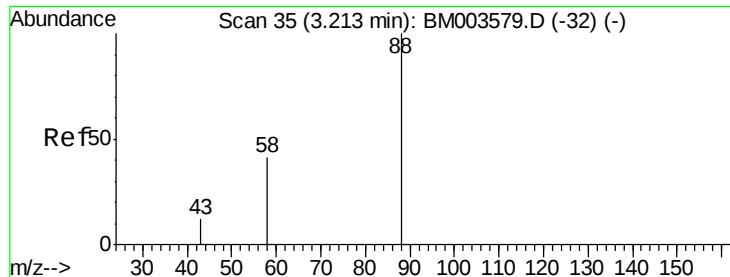
Quant Time: Dec 17 03:45:37 2015
 Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-SIM-BM121515.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Dec 17 02:56:38 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.71	152	2856	0.40	ng/ul	0.00
4) Naphthalene-d8	10.50	136	12055	0.40	ng/ul	0.00
8) Acenaphthene-d10	14.37	164	6888	0.40	ng/ul	0.00
12) Phenanthrene-d10	17.11	188	16383	0.40	ng/ul	0.00
18) Chrysene-d12	21.30	240	17740	0.40	ng/ul	-0.01
22) Perylene-d12	23.56	264	13558	0.40	ng/ul	-0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
2) 1,4-Dioxane-d8	3.17	96	2558	2.10	ng/uL	0.00
6) 2-Methylnaphthalene-d10	12.09	152	6003	0.42	ng/ul	-0.01
16) Fluoranthene-d10	19.14	212	15456	0.44	ng/ul	0.00

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) 1,4-Dioxane	3.20	88	3018	1.94	ng/ul#	100
5) Naphthalene	10.55	128	11220	0.41	ng/ul	98
7) 2-Methylnaphthalene	12.16	142	8074	0.44	ng/ul	100
9) Acenaphthylene	14.07	152	10325	0.39	ng/ul	94
10) Acenaphthene	14.42	153	9148	0.43	ng/ul	89
11) Fluorene	15.41	166	10830	0.46	ng/ul	87
13) Pentachlorophenol	16.76	266	585	0.25	ng/ul	95
14) Phenanthrene	17.14	178	25103	0.59	ng/ul#	93
15) Anthracene	17.14	178	24799	0.68	ng/ul	97
17) Fluoranthene	19.17	202	27184	0.59	ng/ul	99
19) Pyrene	19.53	202	25466	0.53	ng/ul	99
20) Benzo(a)anthracene	21.28	228	20077	0.46	ng/ul	93
21) Chrysene	21.28	228	20077	0.40	ng/ul	96
23) Benzo(b)fluoranthene	22.87	252	20227	0.44	ng/ul	98
24) Benzo(k)fluoranthene	22.92	252	15638	0.37	ng/ul	98
25) Benzo(a)pyrene	23.45	252	16331	0.42	ng/ul	97
26) Indeno(1,2,3-cd)pyrene	25.82	276	17072	0.38	ng/ul#	91
27) Dibenzo(a,h)anthracene	25.83	278	13720	0.38	ng/ul	100
28) Benzo(g,h,i)perylene	26.52	276	14603	0.37	ng/ul	96

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



#3

1,4-Dioxane

Concen: 1.94 ng/ul

RT: 3.20 min Scan# 34

Delta R.T. -0.02 min

Lab File: BM003594.D

Acq: 17 Dec 2015 02:55

Instrument :

BNA_M

ClientSampleId :

SSTD0.457

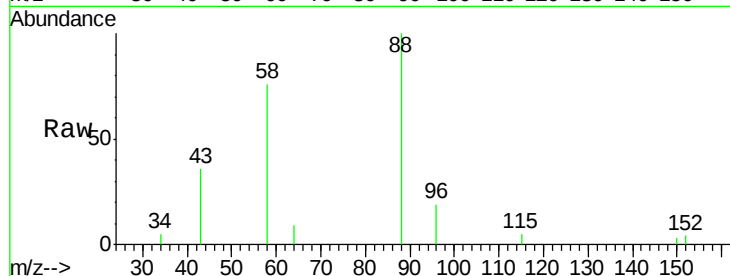
Tgt Ion: 88 Resp: 3018

Ion Ratio Lower Upper

88 100

58 59.8 0.0 0.0#

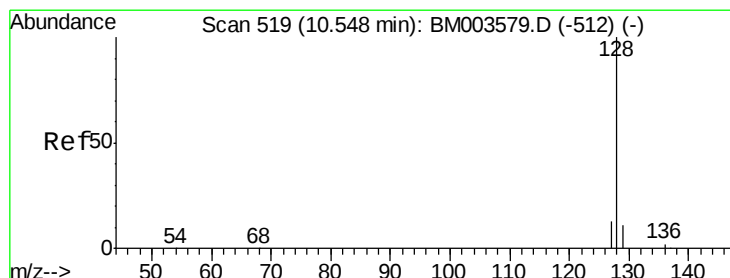
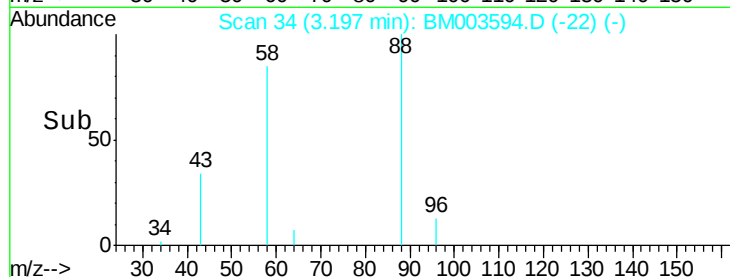
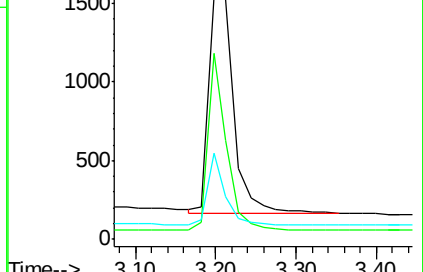
43 22.4 0.0 0.0#



Abundance Ion 88.00 (87.70 to 88.70): BM003579.D (-32) (-)

Ion 58.00 (57.70 to 58.70): BM003579.D (-32) (-)

Ion 43.00 (42.70 to 43.70): BM003579.D (-32) (-)



#5

Naphthalene

Concen: 0.41 ng/ul

RT: 10.55 min Scan# 519

Delta R.T. 0.00 min

Lab File: BM003594.D

Acq: 17 Dec 2015 02:55

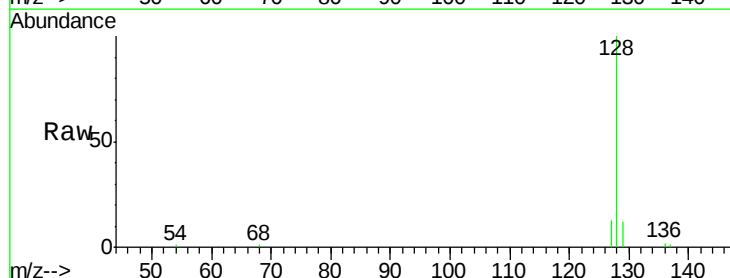
Tgt Ion: 128 Resp: 11220

Ion Ratio Lower Upper

128 100

129 11.5 9.0 13.6

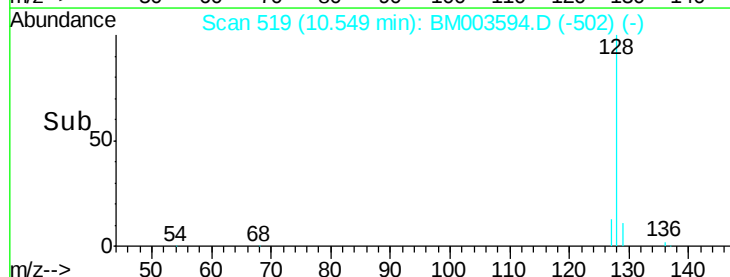
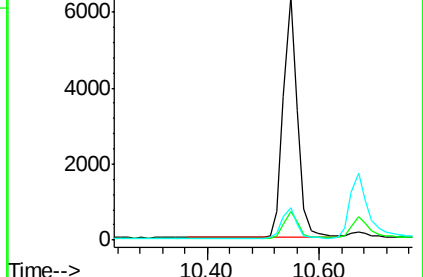
127 13.3 9.6 14.4

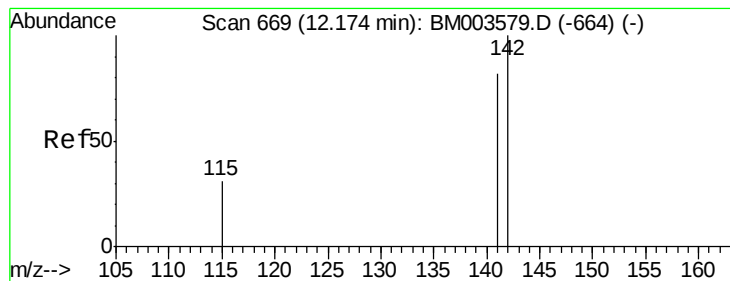


Abundance Ion 128.00 (127.70 to 128.70): BM003579.D (-512) (-)

Ion 129.00 (128.70 to 129.70): BM003579.D (-512) (-)

Ion 127.00 (126.70 to 127.70): BM003579.D (-512) (-)





#7

2-Methylnaphthalene

Concen: 0.44 ng/ul

RT: 12.16 min Scan# 668

Delta R.T. -0.01 min

Lab File: BM003594.D

Acq: 17 Dec 2015 02:55

Instrument :

BNA_M

ClientSampleId :

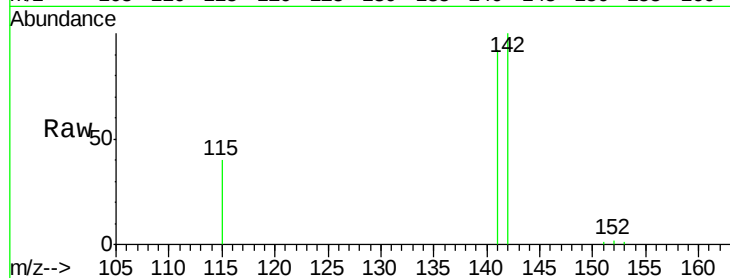
SSTD0.457

Tgt Ion:142 Resp: 8074

Ion Ratio Lower Upper

142 100

141 88.1 70.3 105.5



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

12.16

5000

4000

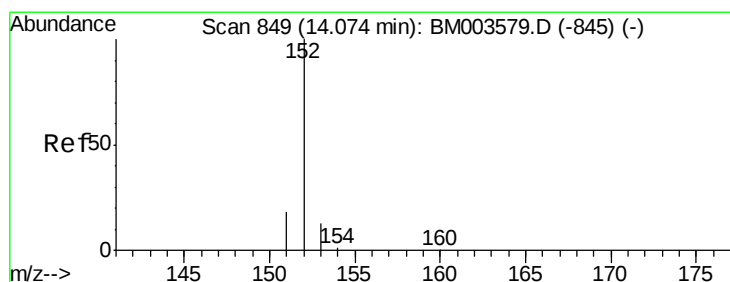
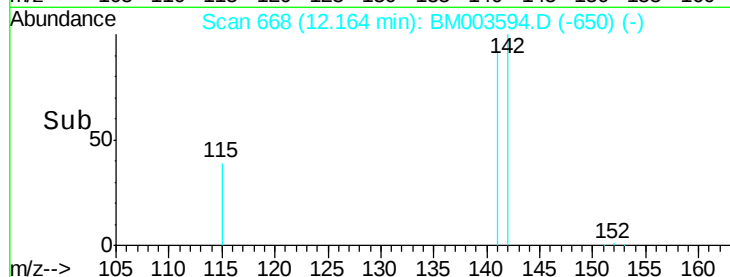
3000

2000

1000

0

Time--> 12.00 12.20 12.40



#9

Acenaphthylene

Concen: 0.39 ng/ul

RT: 14.07 min Scan# 849

Delta R.T. 0.00 min

Lab File: BM003594.D

Acq: 17 Dec 2015 02:55

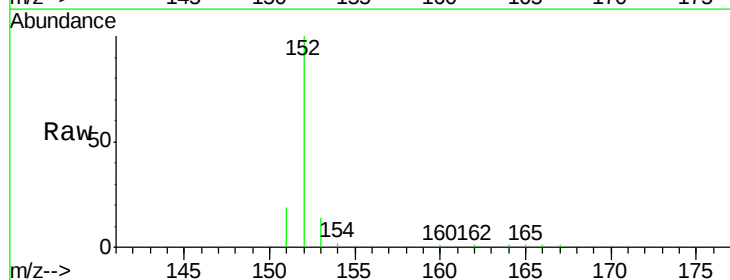
Tgt Ion:152 Resp: 10325

Ion Ratio Lower Upper

152 100

151 18.8 17.6 26.4

153 14.3 9.7 14.5



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

14.07

8000

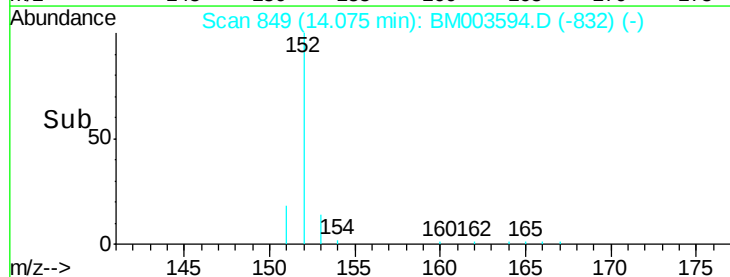
6000

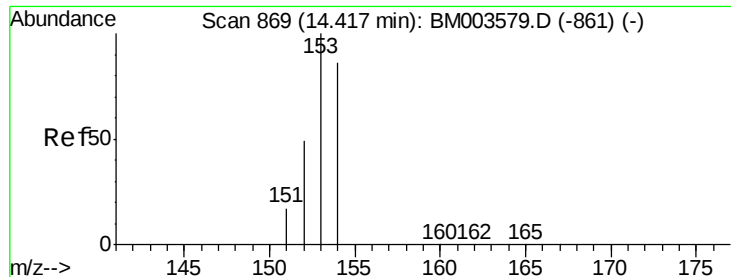
4000

2000

0

Time--> 13.80 14.00 14.20





#10

Acenaphthene

Concen: 0.43 ng/ul

RT: 14.42 min Scan# 869

Delta R.T. 0.00 min

Lab File: BM003594.D

Acq: 17 Dec 2015 02:55

Instrument :

BNA_M

ClientSampleId :

SSTD0.457

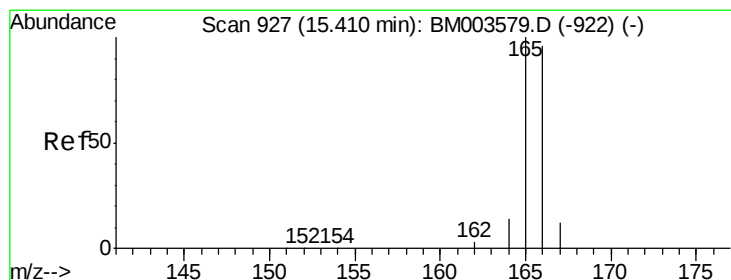
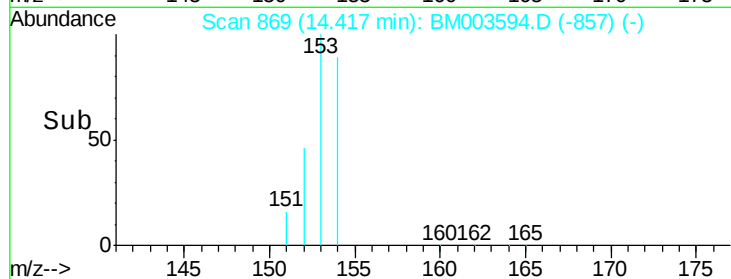
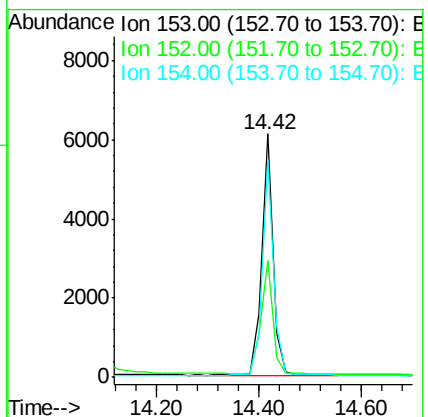
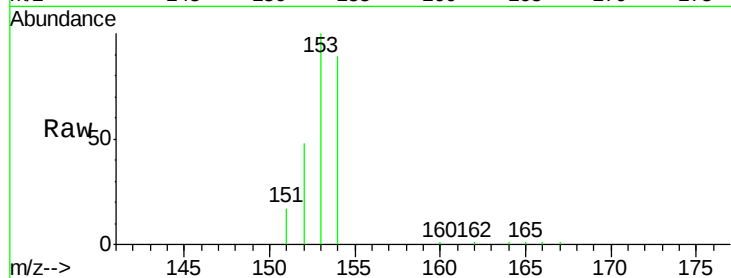
Tgt Ion:153 Resp: 9148

Ion Ratio Lower Upper

153 100

152 47.8 33.9 50.9

154 89.0 80.6 121.0



#11

Fluorene

Concen: 0.46 ng/ul

RT: 15.41 min Scan# 927

Delta R.T. 0.00 min

Lab File: BM003594.D

Acq: 17 Dec 2015 02:55

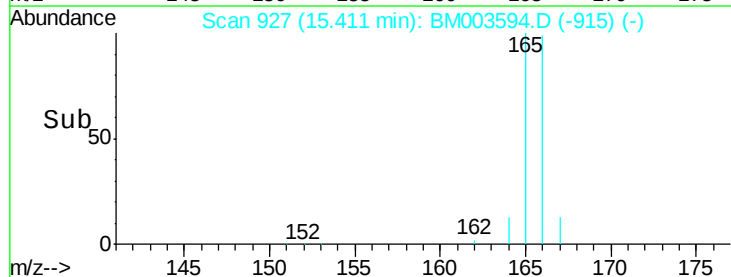
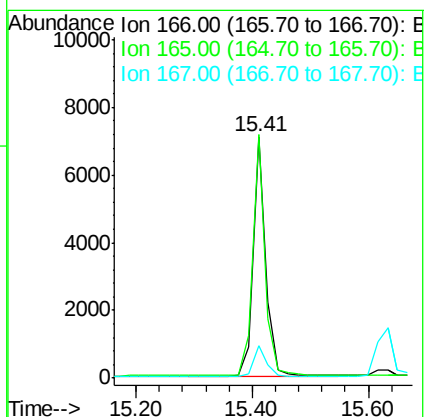
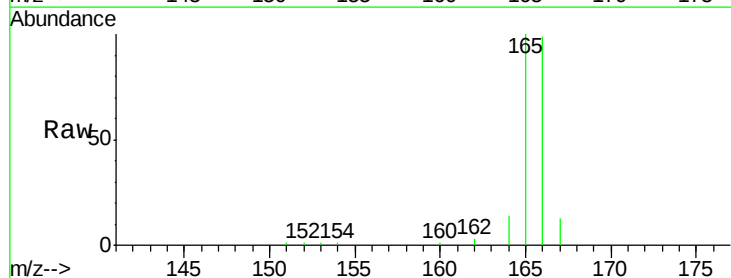
Tgt Ion:166 Resp: 10830

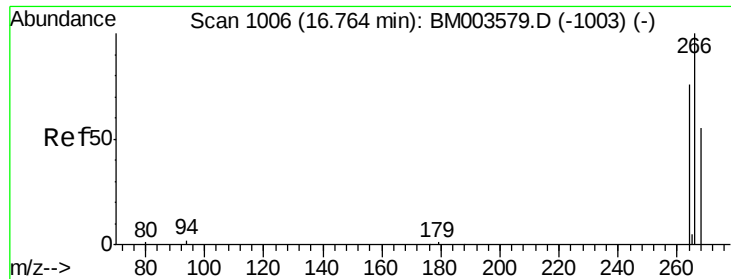
Ion Ratio Lower Upper

166 100

165 100.9 69.6 104.4

167 13.5 11.9 17.9

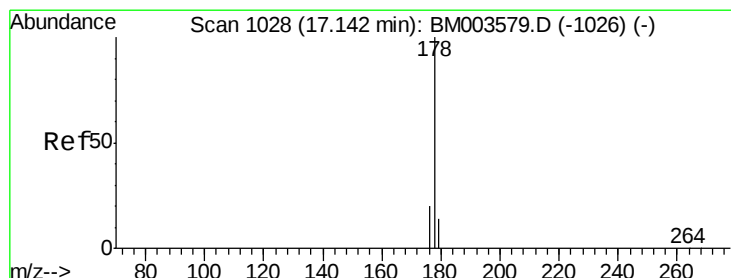
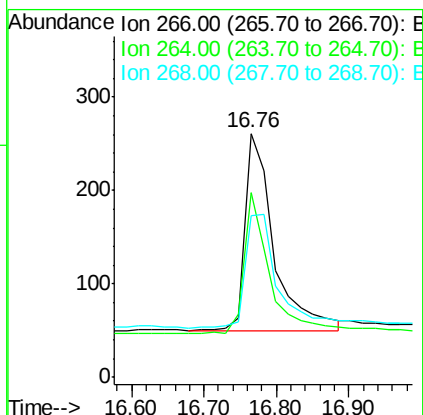
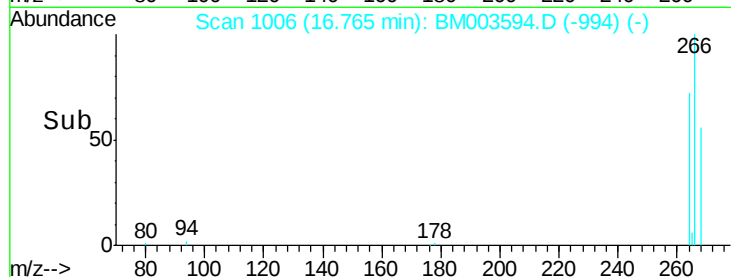
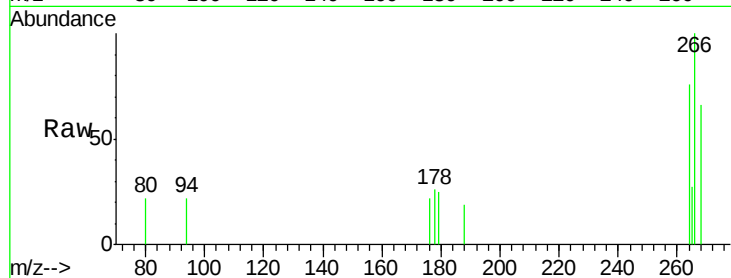




#13
 Pentachlorophenol
 Concen: 0.25 ng/ul
 RT: 16.76 min Scan# 1006
 Delta R.T. 0.00 min
 Lab File: BM003594.D
 Acq: 17 Dec 2015 02:55

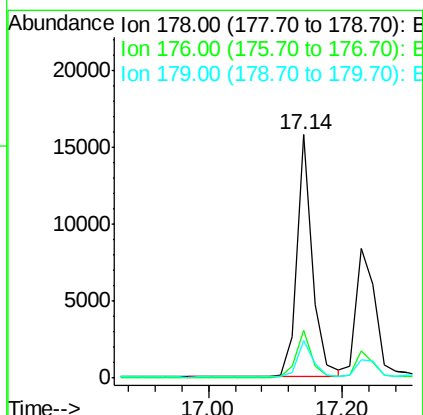
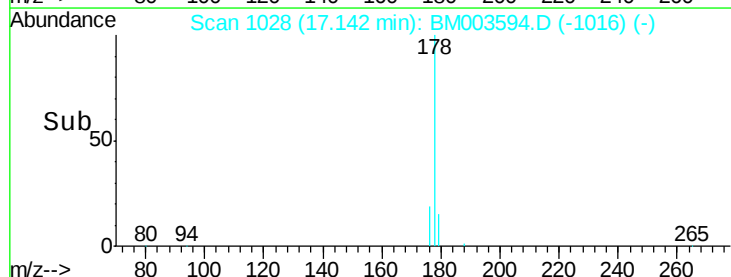
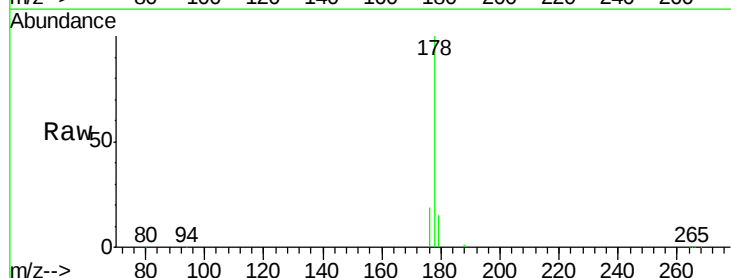
Instrument :
 BNA_M
 ClientSampleId :
 SST0.457

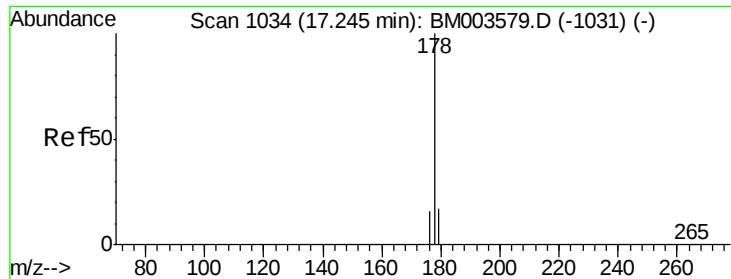
Tgt Ion: 266 Resp: 585
 Ion Ratio Lower Upper
 266 100
 264 63.9 51.8 77.8
 268 66.0 46.8 70.2



#14
 Phenanthrene
 Concen: 0.59 ng/ul
 RT: 17.14 min Scan# 1028
 Delta R.T. 0.00 min
 Lab File: BM003594.D
 Acq: 17 Dec 2015 02:55

Tgt Ion: 178 Resp: 25103
 Ion Ratio Lower Upper
 178 100
 176 19.4 13.0 19.4#
 179 15.2 14.2 21.2

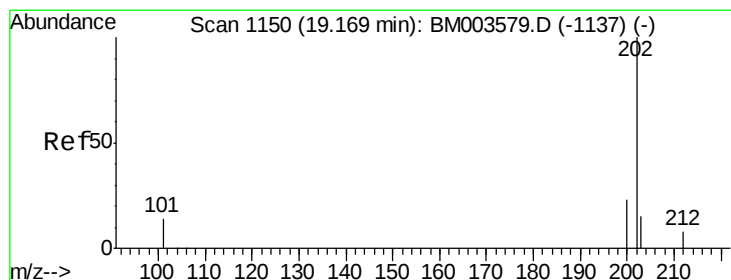
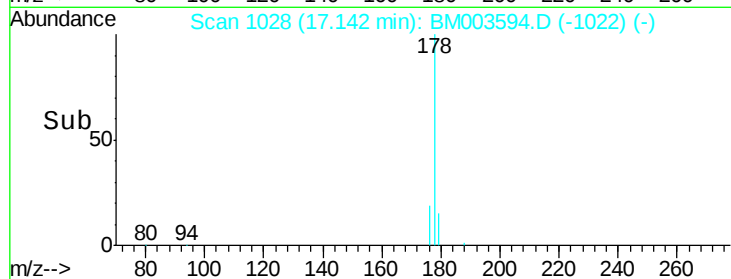
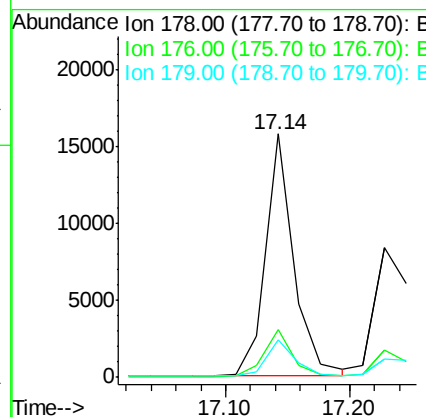
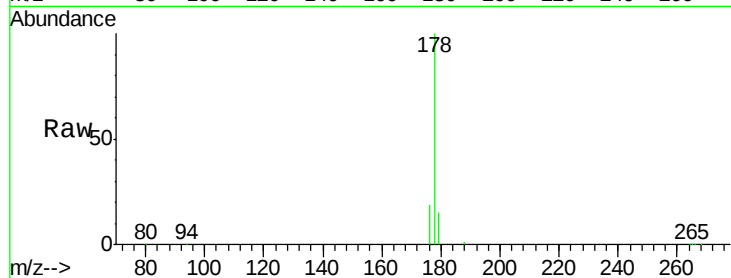




#15
 Anthracene
 Concen: 0.68 ng/ul
 RT: 17.14 min Scan# 1028
 Delta R.T. -0.10 min
 Lab File: BM003594.D
 Acq: 17 Dec 2015 02:55

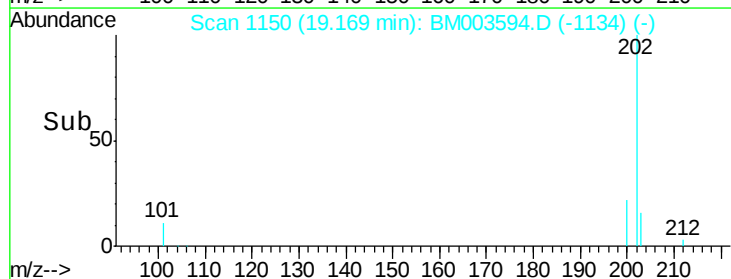
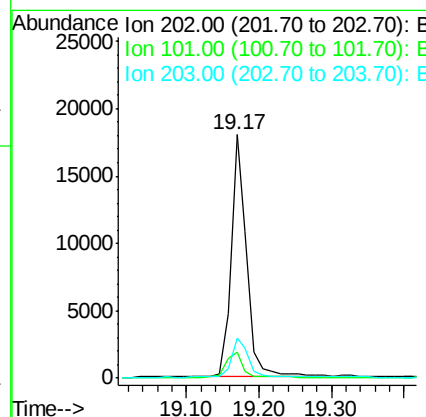
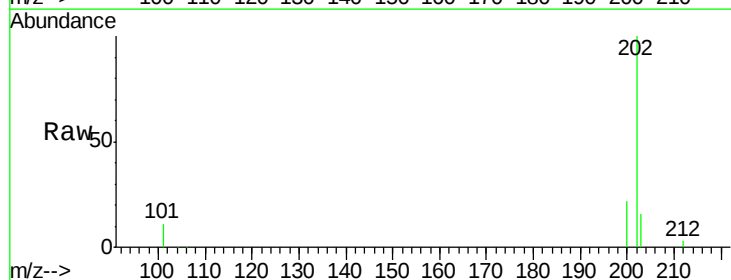
Instrument :
 BNA_M
 ClientSampleId :
 SST0.457

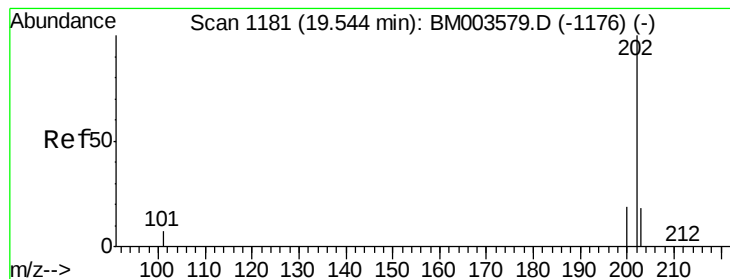
Tgt Ion:178 Resp: 24799
 Ion Ratio Lower Upper
 178 100
 176 19.4 14.0 21.0
 179 15.2 12.9 19.3



#17
 Fluoranthene
 Concen: 0.59 ng/ul
 RT: 19.17 min Scan# 1150
 Delta R.T. 0.00 min
 Lab File: BM003594.D
 Acq: 17 Dec 2015 02:55

Tgt Ion:202 Resp: 27184
 Ion Ratio Lower Upper
 202 100
 101 10.7 0.0 29.6
 203 16.3 0.0 36.3





#19

Pyrene

Concen: 0.53 ng/u1

RT: 19.53 min Scan# 1180

Delta R.T. -0.01 min

Lab File: BM003594.D

Acq: 17 Dec 2015 02:55

Instrument :

BNA_M

ClientSampleId :

SSTD0.457

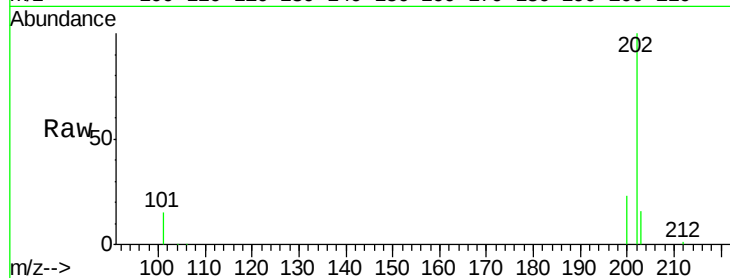
Tgt Ion:202 Resp: 25466

Ion Ratio Lower Upper

202 100

200 22.8 17.8 26.8

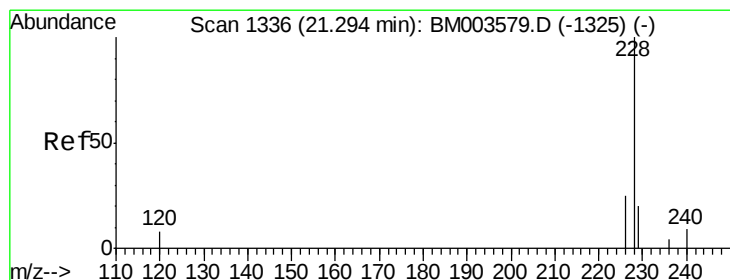
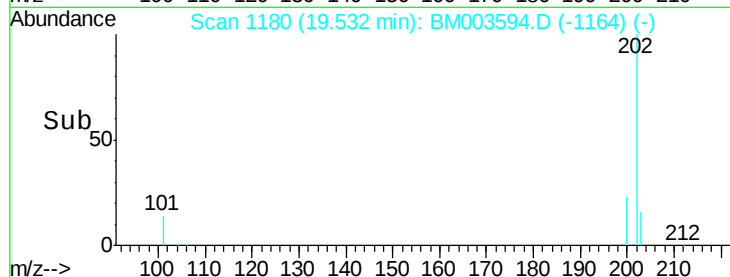
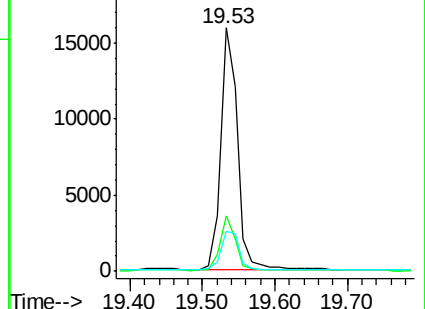
203 16.2 12.8 19.2



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



#20

Benzo(a)anthracene

Concen: 0.46 ng/u1

RT: 21.28 min Scan# 1335

Delta R.T. -0.01 min

Lab File: BM003594.D

Acq: 17 Dec 2015 02:55

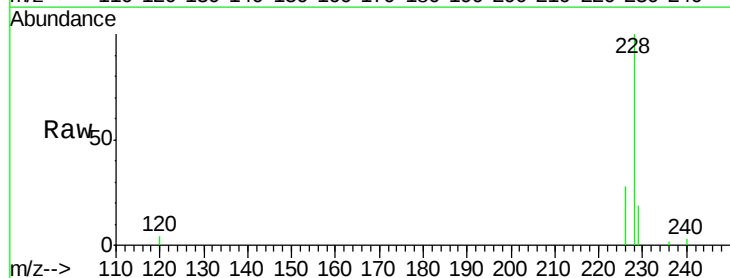
Tgt Ion:228 Resp: 20077

Ion Ratio Lower Upper

228 100

226 28.1 18.8 28.2

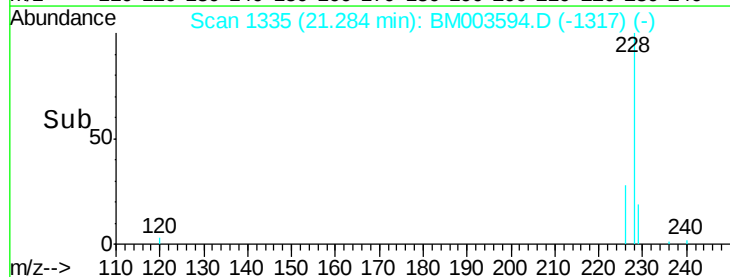
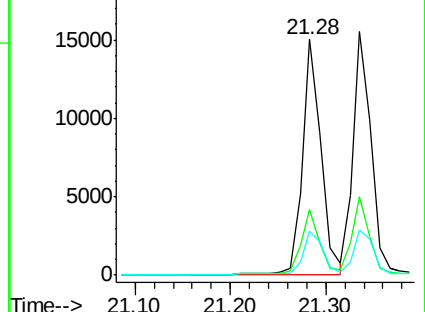
229 18.8 17.1 25.7

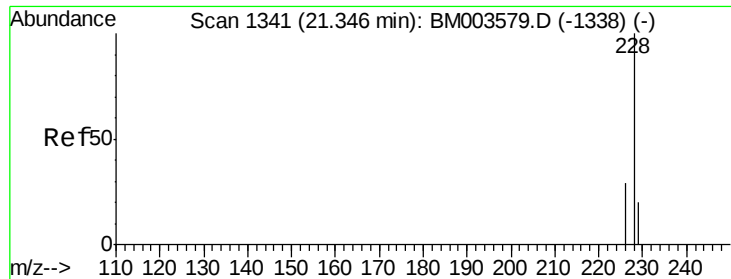


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#21

Chrysene

Concen: 0.40 ng/u1

RT: 21.28 min Scan# 1335

Delta R.T. -0.06 min

Lab File: BM003594.D

Acq: 17 Dec 2015 02:55

Instrument :

BNA_M

ClientSampleId :

SSTD0.457

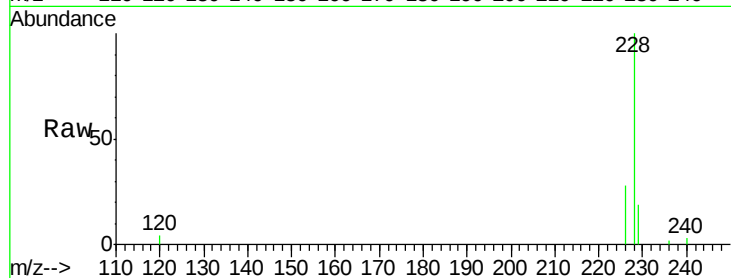
Tgt Ion:228 Resp: 20077

Ion Ratio Lower Upper

228 100

226 28.1 21.2 31.8

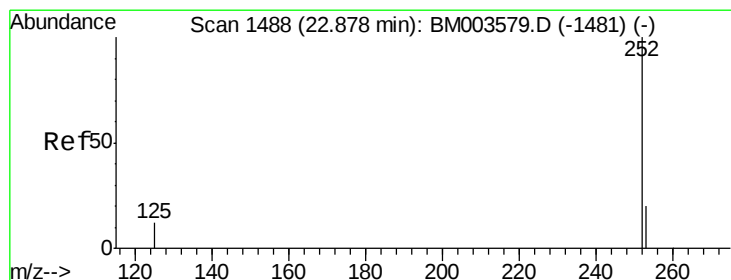
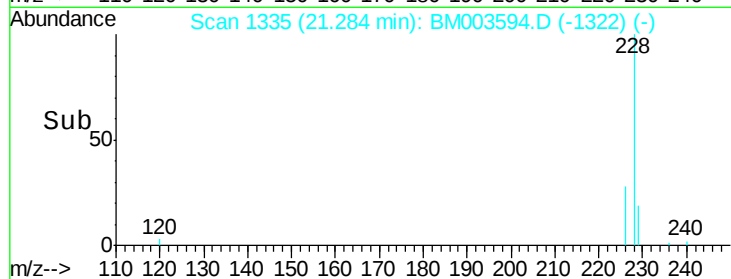
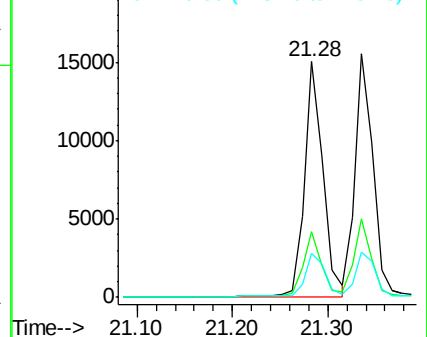
229 18.8 17.0 25.6



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



#23

Benzo(b)fluoranthene

Concen: 0.44 ng/u1

RT: 22.87 min Scan# 1487

Delta R.T. -0.01 min

Lab File: BM003594.D

Acq: 17 Dec 2015 02:55

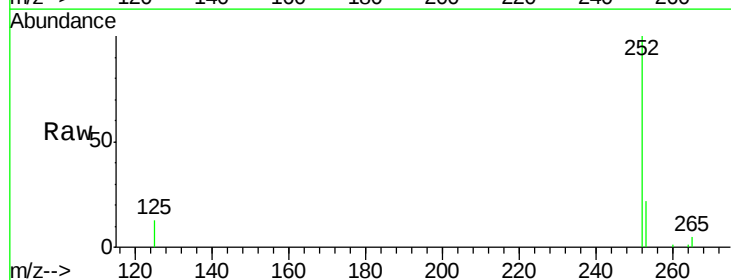
Tgt Ion:252 Resp: 20227

Ion Ratio Lower Upper

252 100

253 22.4 0.0 45.4

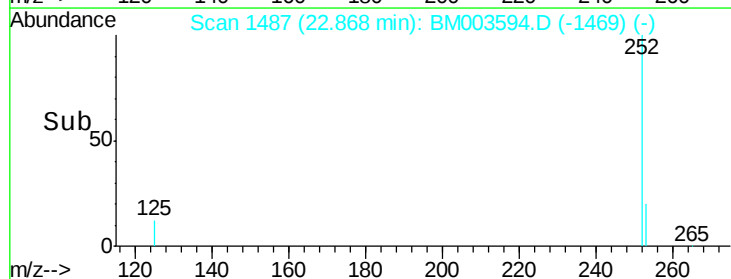
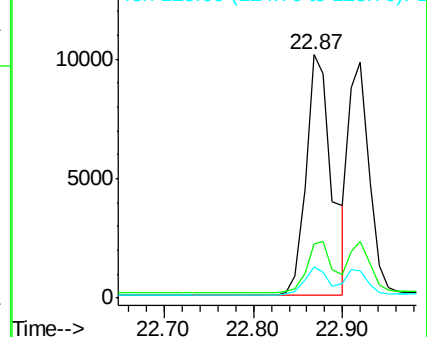
125 13.0 0.0 28.8

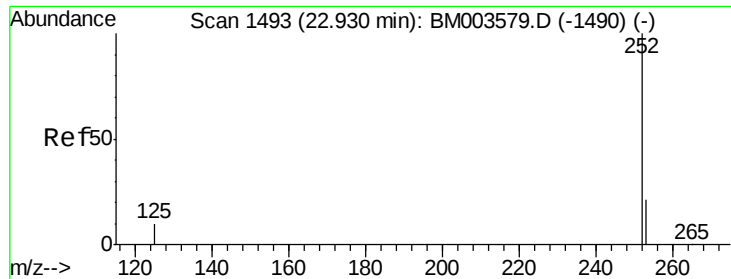


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#24

Benzo(k)fluoranthene

Concen: 0.37 ng/ul

RT: 22.92 min Scan# 1492

Delta R.T. -0.01 min

Lab File: BM003594.D

Acq: 17 Dec 2015 02:55

Instrument :

BNA_M

ClientSampleId :

SSTD0.457

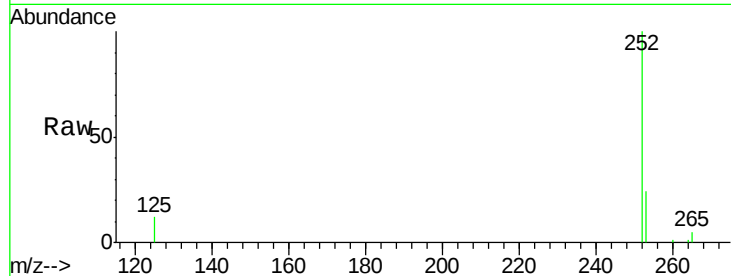
Tgt Ion:252 Resp: 15638

Ion Ratio Lower Upper

252 100

253 24.3 19.8 29.8

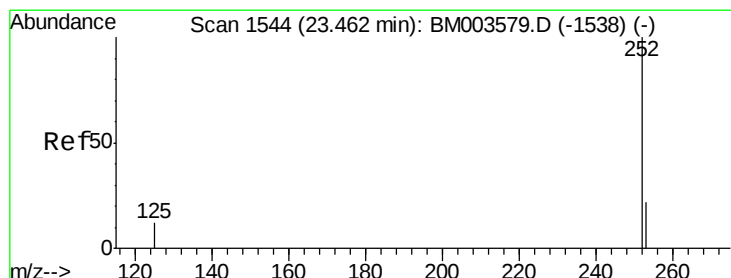
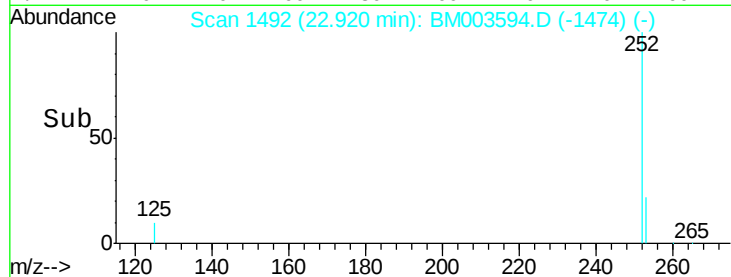
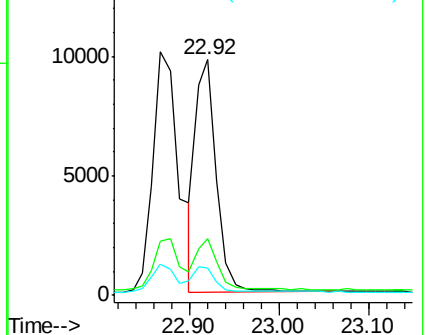
125 11.7 10.4 15.6



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



#25

Benzo(a)pyrene

Concen: 0.42 ng/ul

RT: 23.45 min Scan# 1543

Delta R.T. -0.01 min

Lab File: BM003594.D

Acq: 17 Dec 2015 02:55

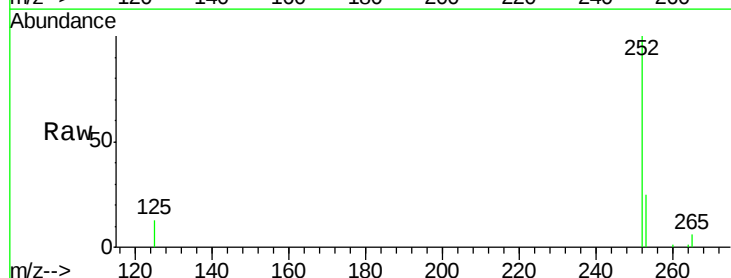
Tgt Ion:252 Resp: 16331

Ion Ratio Lower Upper

252 100

253 24.7 19.4 29.2

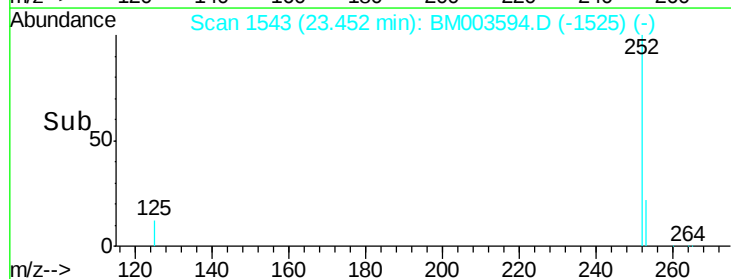
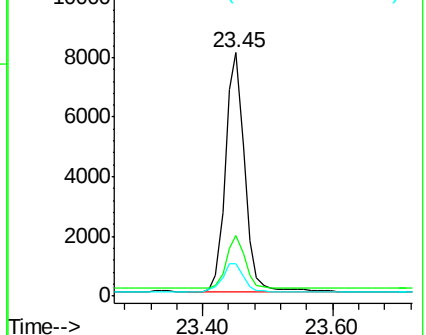
125 13.4 12.7 19.1

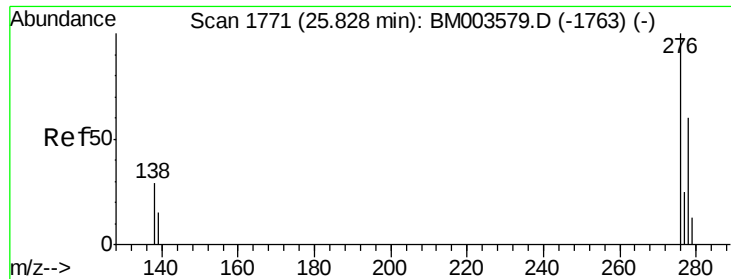


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#26

Indeno(1,2,3-cd)pyrene

Concen: 0.38 ng/ul

RT: 25.82 min Scan# 1770

Delta R.T. -0.01 min

Lab File: BM003594.D

Acq: 17 Dec 2015 02:55

Instrument :

BNA_M

ClientSampleId :

SSTD0.457

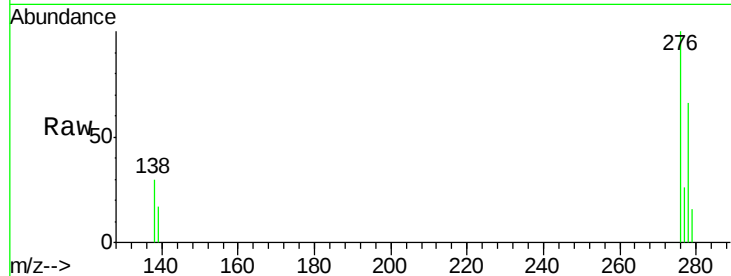
Tgt Ion:276 Resp: 17072

Ion Ratio Lower Upper

276 100

138 29.3 16.3 24.5#

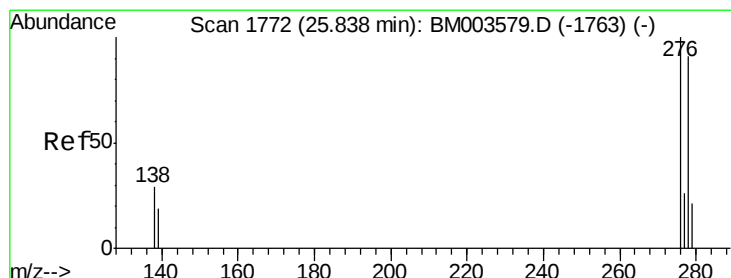
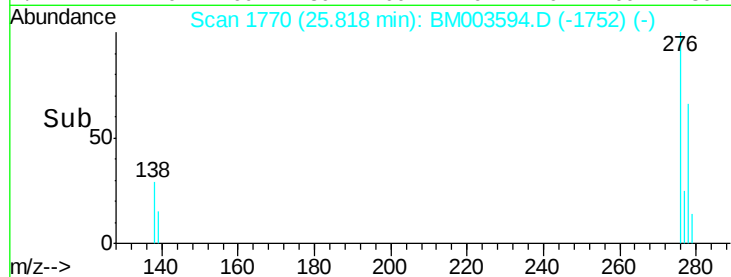
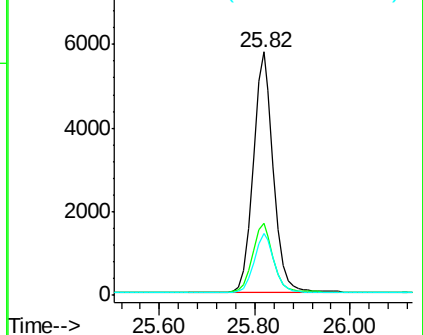
277 24.8 19.8 29.8



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



#27

Dibenzo(a,h)anthracene

Concen: 0.38 ng/ul

RT: 25.83 min Scan# 1771

Delta R.T. -0.01 min

Lab File: BM003594.D

Acq: 17 Dec 2015 02:55

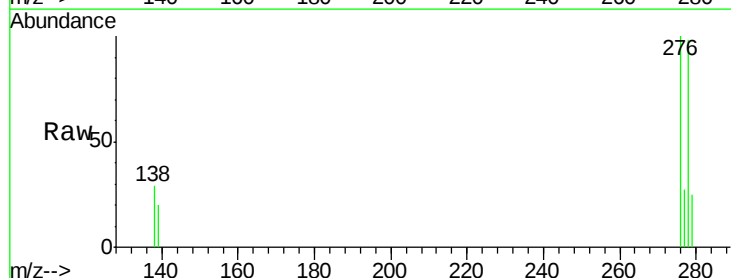
Tgt Ion:278 Resp: 13720

Ion Ratio Lower Upper

278 100

139 20.8 16.4 24.6

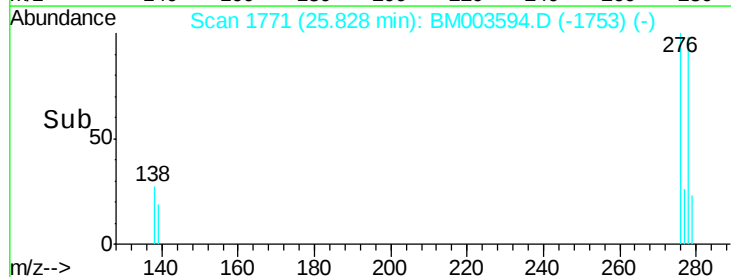
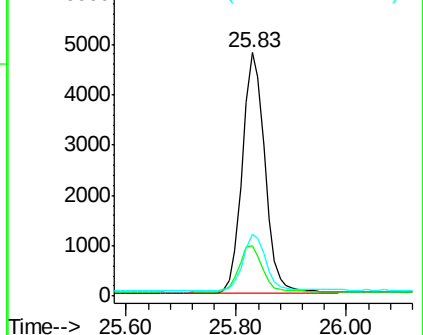
279 25.3 20.2 30.2

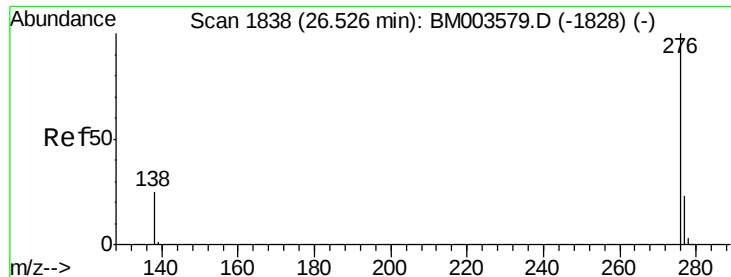


Abundance Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E





#28

Benzo(g,h,i)perylene

Concen: 0.37 ng/ul

RT: 26.52 min Scan# 1837

Delta R.T. -0.01 min

Lab File: BM003594.D

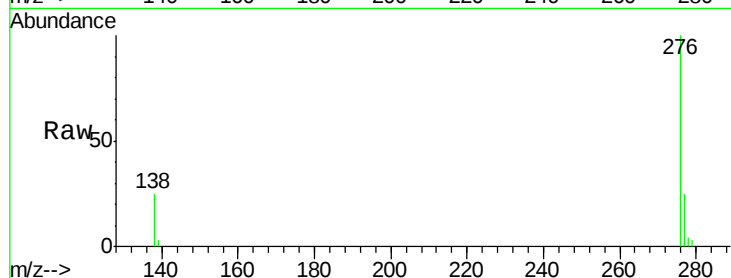
Acq: 17 Dec 2015 02:55

Instrument :

BNA_M

ClientSampleId :

SSTD0.457



Tgt Ion: 276 Resp: 14603

Ion Ratio Lower Upper

276 100

277 24.9 18.9 28.3

138 25.0 22.5 33.7

Abundance Ion 276.00 (275.70 to 276.70): E
Ion 277.00 (276.70 to 277.70): E
Ion 138.00 (137.70 to 138.70): E

