

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM111815\
 Data File : BM003172.D
 Acq On : 18 Nov 2015 22:23
 Operator : UM/IZ
 Sample : SSTDCCC0.4
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 SSTD0.451

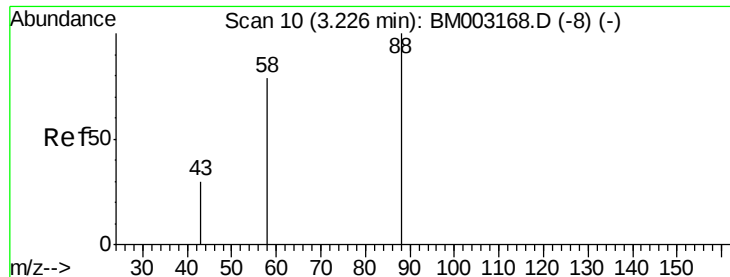
Quant Time: Nov 19 03:19:58 2015
 Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-SIM-BM111815.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Nov 19 03:17:25 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.74	152	14785	0.40	ng/ul	0.00
4) Naphthalene-d8	10.53	136	53608	0.40	ng/ul	0.00
8) Acenaphthene-d10	14.38	164	25684	0.40	ng/ul	0.00
12) Phenanthrene-d10	17.12	188	53326	0.40	ng/ul	0.00
18) Chrysene-d12	21.33	240	50138	0.40	ng/ul	0.00
22) Perylene-d12	23.58	264	43206	0.40	ng/ul	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
2) 1,4-Dioxane-d8	3.20	96	16465	1.04	ng/uL	0.00
6) 2-Methylnaphthalene-d10	12.12	152	29471	0.40	ng/ul	0.00
16) Fluoranthene-d10	19.16	212	52101	0.40	ng/ul	0.00

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) 1,4-Dioxane	3.23	88	18112	1.01	ng/ul#	100
5) Naphthalene	10.58	128	55615	0.40	ng/ul	100
7) 2-Methylnaphthalene	12.19	142	36440	0.41	ng/ul#	100
9) Acenaphthylene	14.09	152	41678	0.39	ng/ul	100
10) Acenaphthene	14.45	153	36498	0.40	ng/ul	99
11) Fluorene	15.44	166	39648	0.41	ng/ul	99
13) Pentachlorophenol	16.78	266	5063	0.40	ng/ul#	15
14) Phenanthrene	17.17	178	62480	0.40	ng/ul	99
15) Anthracene	17.26	178	51199	0.40	ng/ul	100
17) Fluoranthene	19.20	202	68197	0.40	ng/ul	94
19) Pyrene	19.56	202	68497	0.40	ng/ul	94
20) Benzo(a)anthracene	21.31	228	58344	0.40	ng/ul	97
21) Chrysene	21.36	228	67590	0.41	ng/ul	97
23) Benzo(b)fluoranthene	22.89	252	69234	0.42	ng/ul	99
24) Benzo(k)fluoranthene	22.94	252	55591	0.36	ng/ul	99
25) Benzo(a)pyrene	23.48	252	59891	0.41	ng/ul	99
26) Indeno(1,2,3-cd)pyrene	25.85	276	75408	0.43	ng/ul#	100
27) Dibenzo(a,h)anthracene	25.87	278	60839	0.43	ng/ul	99
28) Benzo(g,h,i)perylene	26.55	276	62742	0.41	ng/ul	99

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



#3

1,4-Dioxane

Concen: 1.01 ng/ul

RT: 3.23 min Scan# 10

Delta R.T. -0.00 min

Lab File: BM003172.D

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SSTD0.451

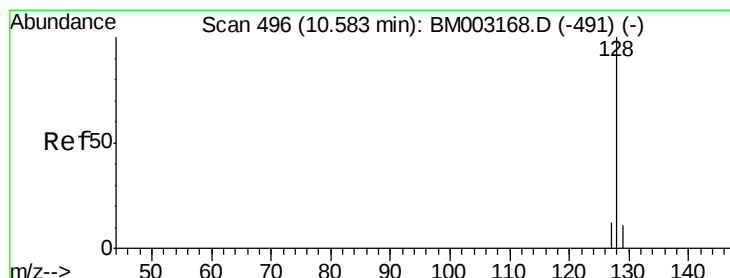
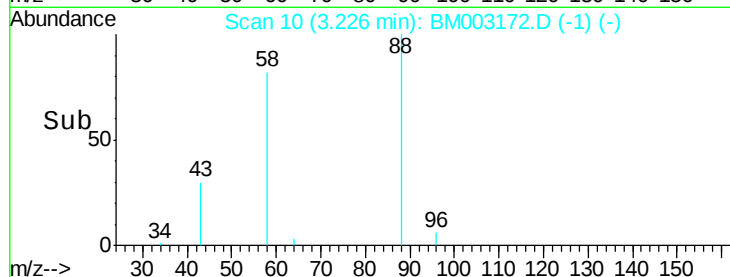
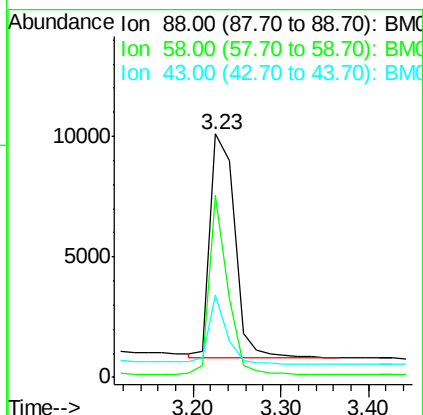
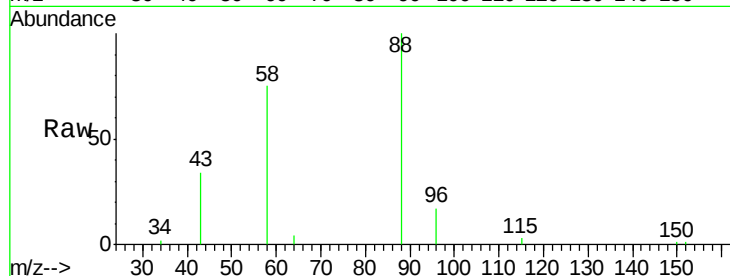
Tgt Ion: 88 Resp: 18112

Ion Ratio Lower Upper

88 100

58 59.0 0.0 0.0#

43 23.3 0.0 0.0#



#5

Naphthalene

Concen: 0.40 ng/ul

RT: 10.58 min Scan# 496

Delta R.T. -0.00 min

Lab File: BM003172.D

Acq: 18 Nov 2015 22:23

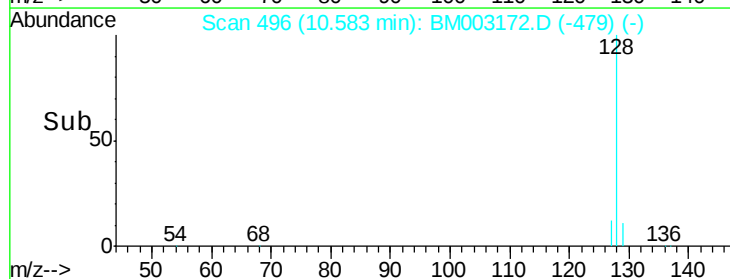
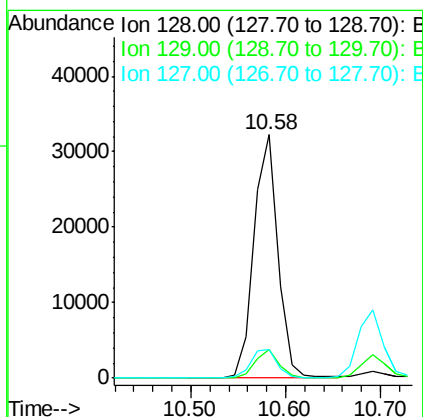
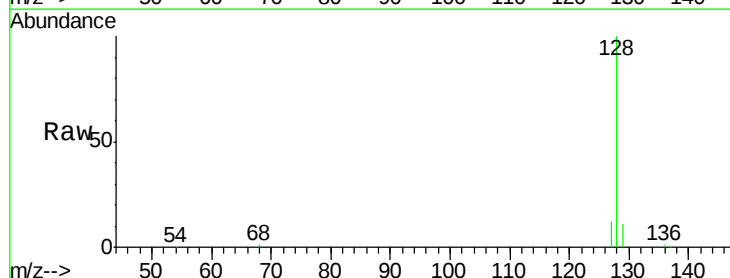
Tgt Ion: 128 Resp: 55615

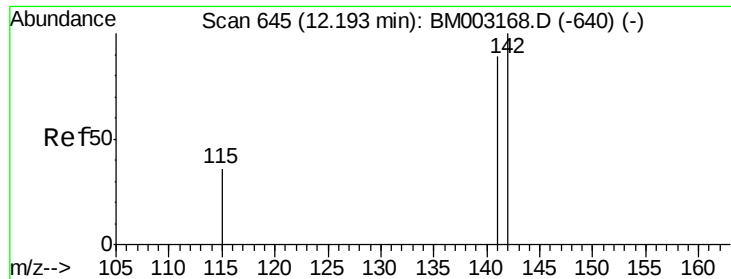
Ion Ratio Lower Upper

128 100

129 11.5 9.0 13.6

127 11.9 9.6 14.4





#7

2-Methylnaphthalene

Concen: 0.41 ng/ul

RT: 12.19 min Scan# 645

Delta R.T. -0.00 min

Lab File: BM003172.D

Acq: 18 Nov 2015 22:23

Instrument :

BNA_M

ClientSampleId :

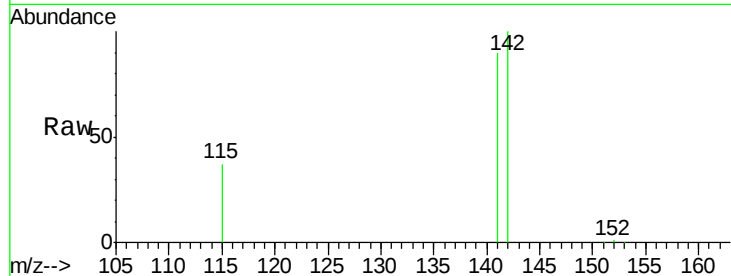
SSTD0.451

Tgt Ion:142 Resp: 36440

Ion Ratio Lower Upper

142 100

141 88.0 0.0 0.0#



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

25000

20000

15000

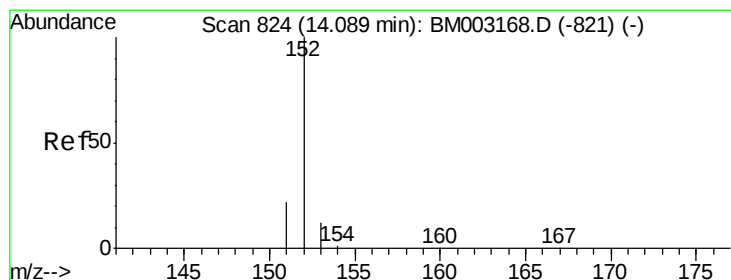
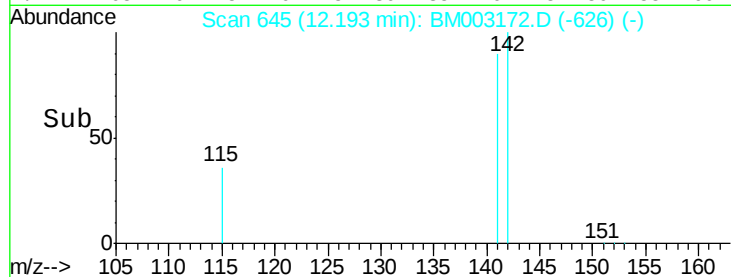
10000

5000

0

12.10 12.20 12.30 12.40

Time-->



#9

Acenaphthylene

Concen: 0.39 ng/ul

RT: 14.09 min Scan# 824

Delta R.T. -0.00 min

Lab File: BM003172.D

Acq: 18 Nov 2015 22:23

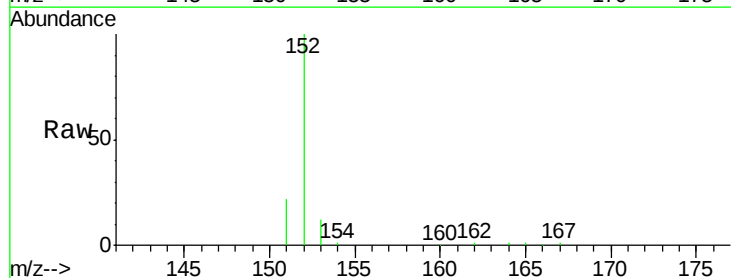
Tgt Ion:152 Resp: 41678

Ion Ratio Lower Upper

152 100

151 21.9 17.6 26.4

153 12.0 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

25000

20000

15000

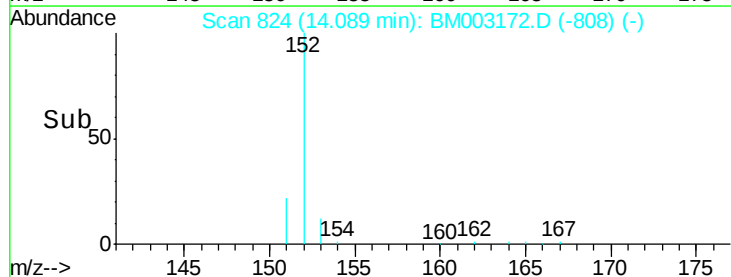
10000

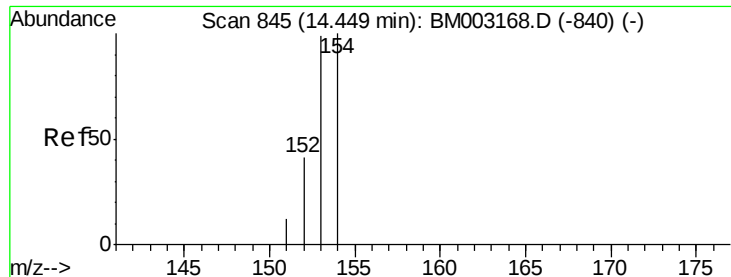
5000

0

14.00 14.10 14.20

Time-->





#10

Acenaphthene

Concen: 0.40 ng/ul

RT: 14.45 min Scan# 845

Delta R.T. -0.00 min

Lab File: BM003172.D

Acq: 18 Nov 2015 22:23

Instrument :

BNA_M

ClientSampleId :

SSTD0.451

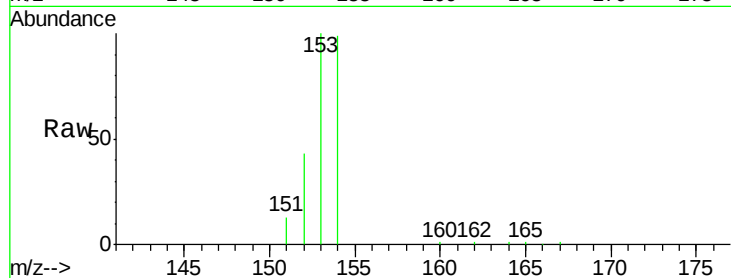
Tgt Ion:153 Resp: 36498

Ion Ratio Lower Upper

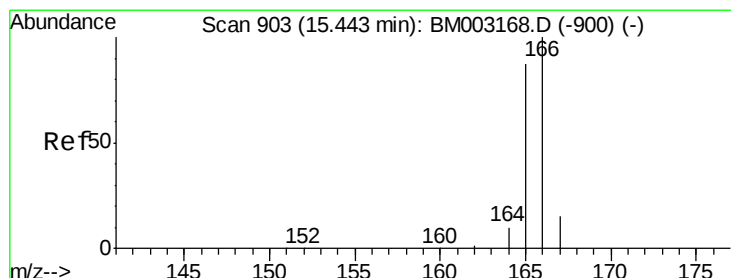
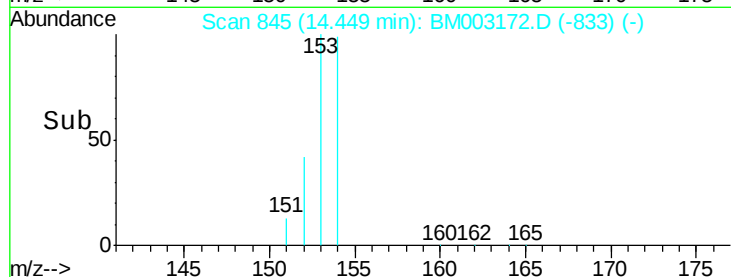
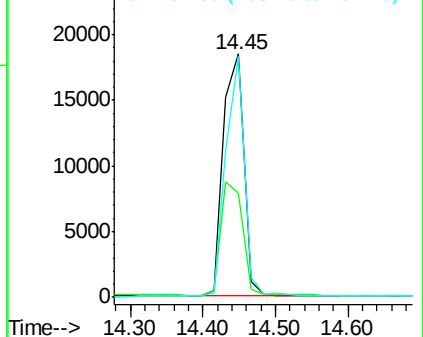
153 100

152 42.7 33.9 50.9

154 99.3 80.6 121.0



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



#11

Fluorene

Concen: 0.41 ng/ul

RT: 15.44 min Scan# 903

Delta R.T. -0.00 min

Lab File: BM003172.D

Acq: 18 Nov 2015 22:23

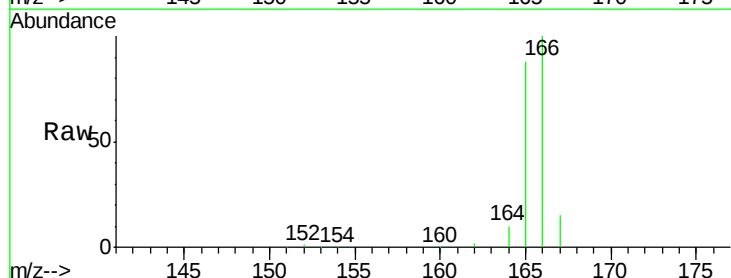
Tgt Ion:166 Resp: 39648

Ion Ratio Lower Upper

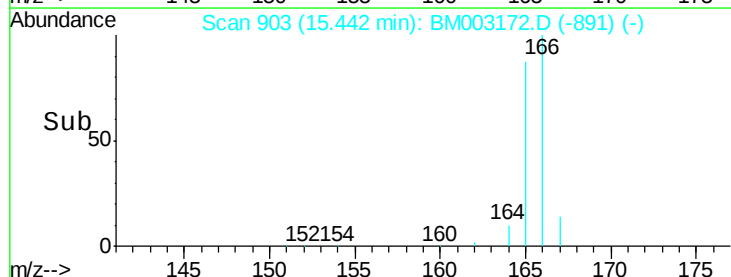
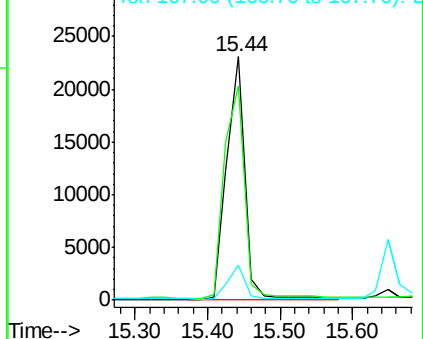
166 100

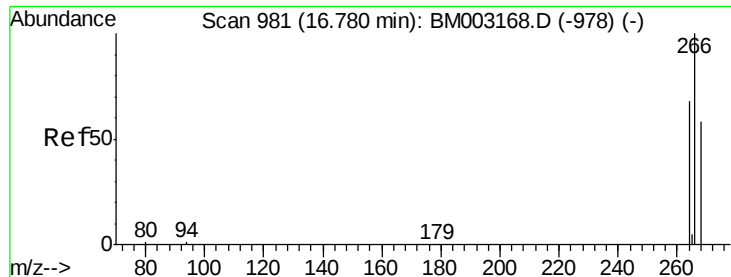
165 87.8 69.6 104.4

167 14.6 11.9 17.9



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

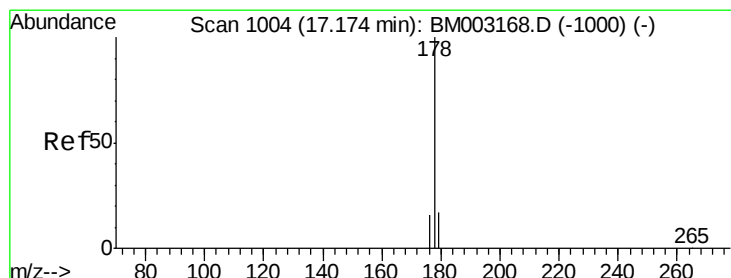
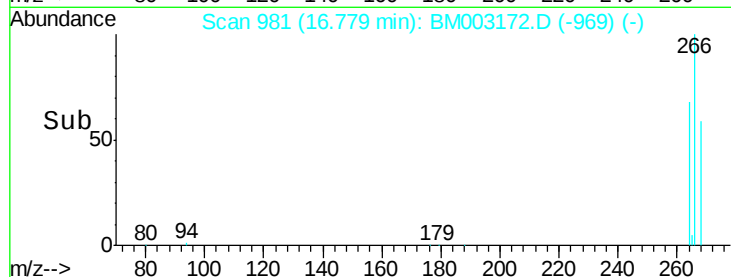
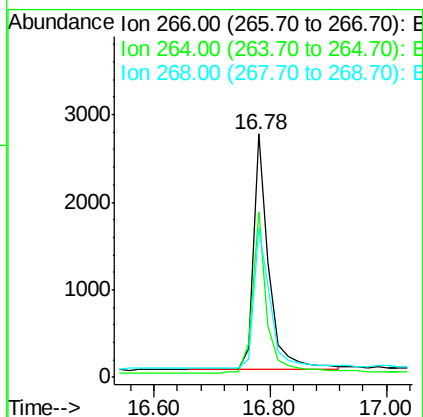
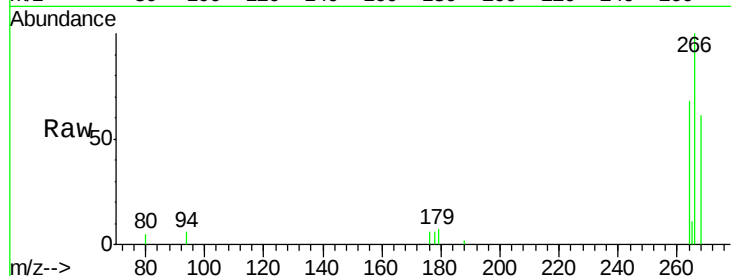




#13
 Pentachlorophenol
 Concen: 0.40 ng/ul
 RT: 16.78 min Scan# 981
 Delta R.T. -0.00 min
 Lab File: BM003172.D
 Acq: 18 Nov 2015 22:23

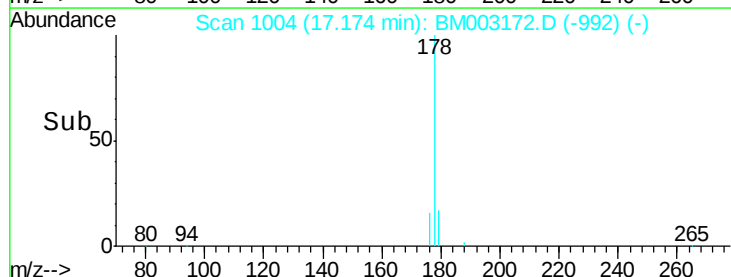
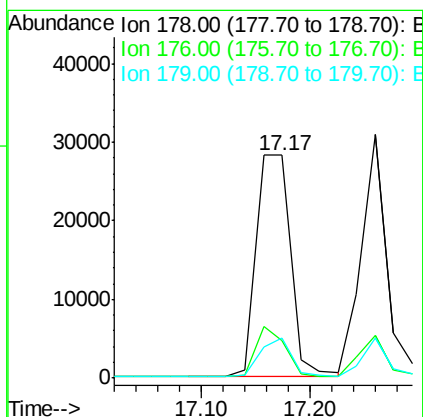
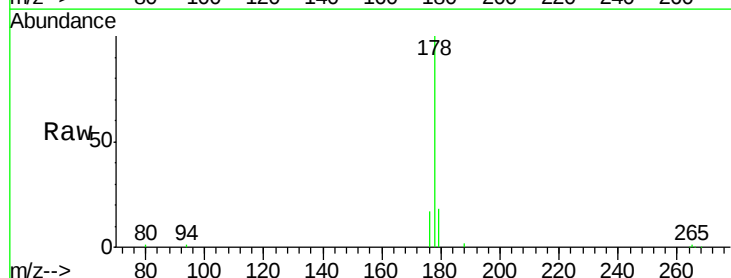
Instrument :
 BNA_M
 ClientSampleId :
 SST0.451

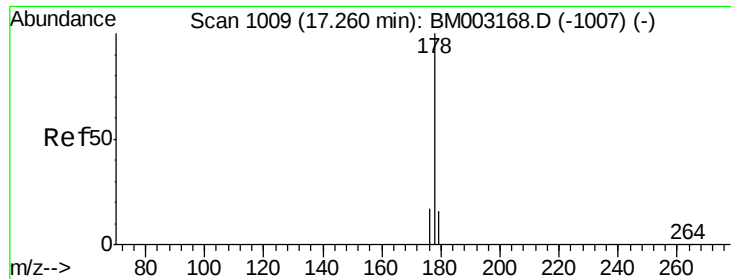
Tgt Ion: 266 Resp: 5063
 Ion Ratio Lower Upper
 266 100
 264 64.3 0.3 0.5#
 268 63.6 0.0 0.0#



#14
 Phenanthrene
 Concen: 0.40 ng/ul
 RT: 17.17 min Scan# 1004
 Delta R.T. -0.00 min
 Lab File: BM003172.D
 Acq: 18 Nov 2015 22:23

Tgt Ion: 178 Resp: 62480
 Ion Ratio Lower Upper
 178 100
 176 16.6 13.0 19.4
 179 17.9 14.2 21.2





#15

Anthracene

Concen: 0.40 ng/ul

RT: 17.26 min Scan# 1009

Delta R.T. -0.00 min

Lab File: BM003172.D

Acq: 18 Nov 2015 22:23

Instrument :

BNA_M

ClientSampleId :

SSTD0.451

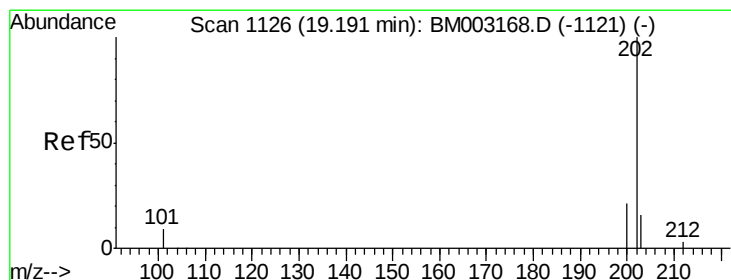
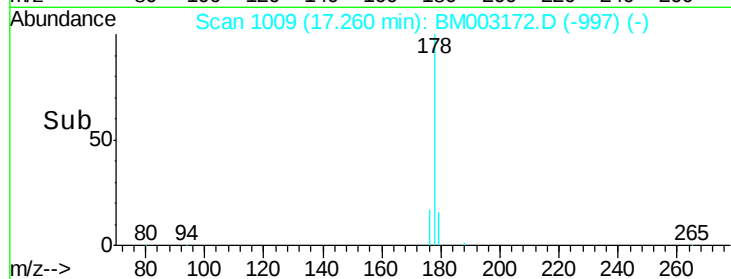
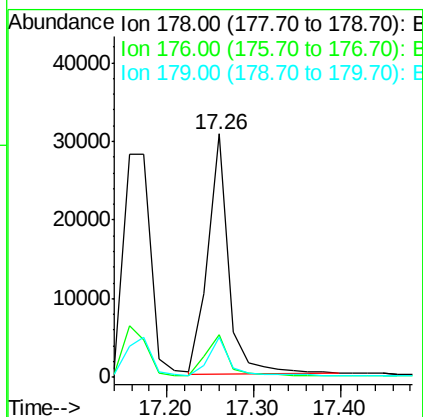
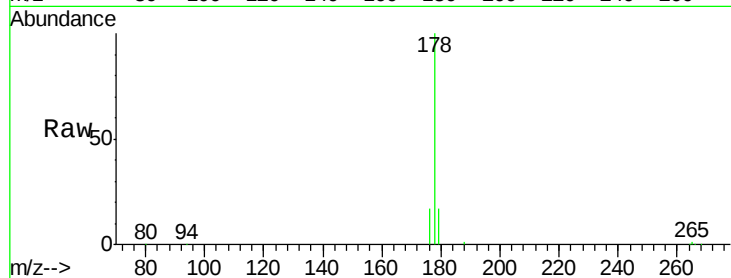
Tgt Ion:178 Resp: 51199

Ion Ratio Lower Upper

178 100

176 17.5 14.0 21.0

179 16.5 12.9 19.3



#17

Fluoranthene

Concen: 0.40 ng/ul

RT: 19.20 min Scan# 1126

Delta R.T. 0.00 min

Lab File: BM003172.D

Acq: 18 Nov 2015 22:23

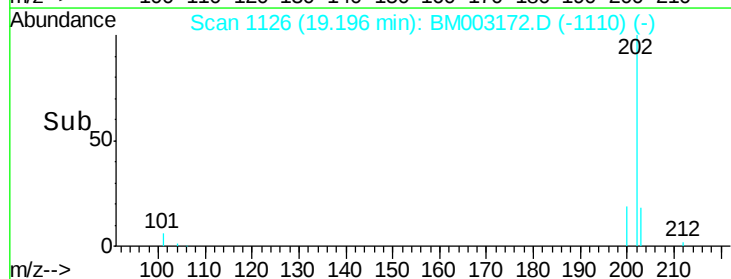
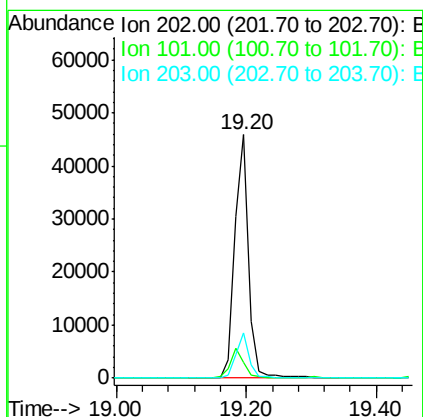
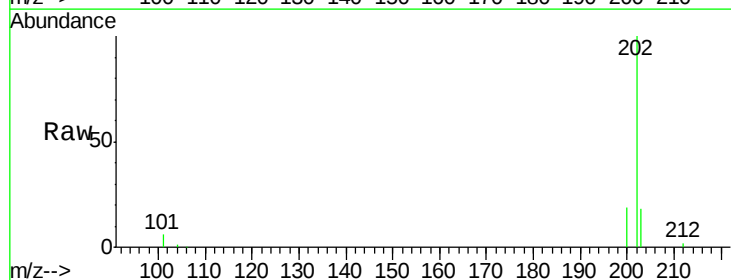
Tgt Ion:202 Resp: 68197

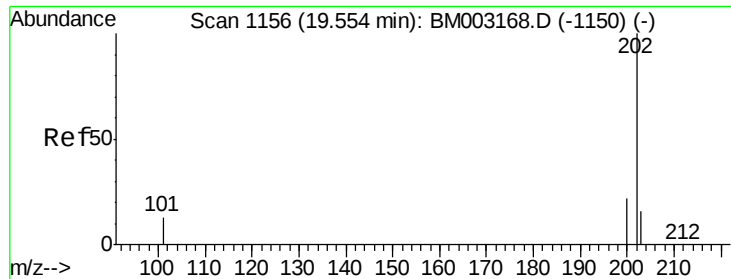
Ion Ratio Lower Upper

202 100

101 6.4 0.0 29.6

203 18.3 0.0 36.3





#19

Pyrene

Concen: 0.40 ng/ul

RT: 19.56 min Scan# 1156

Delta R.T. 0.00 min

Lab File: BM003172.D

Acq: 18 Nov 2015 22:23

Instrument :

BNA_M

ClientSampleId :

SSTD0.451

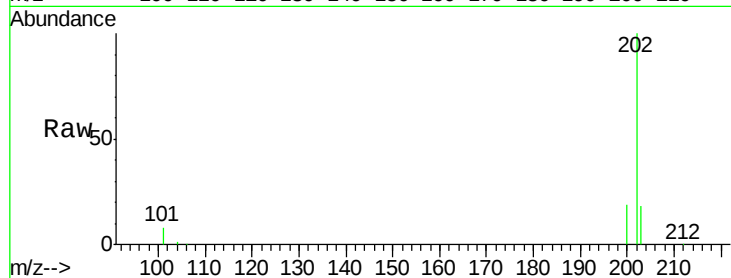
Tgt Ion:202 Resp: 68497

Ion Ratio Lower Upper

202 100

200 19.2 17.8 26.8

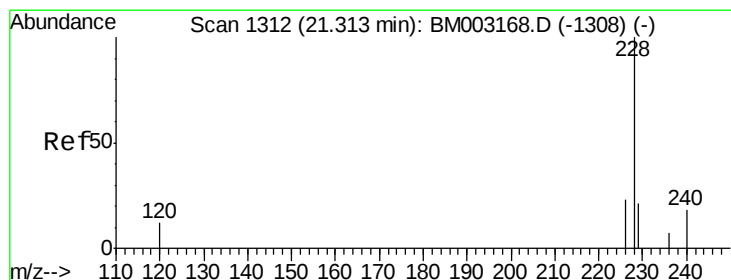
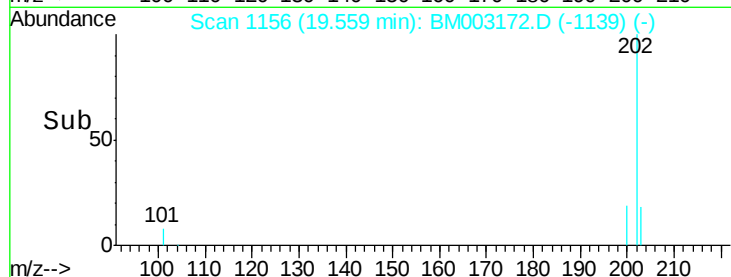
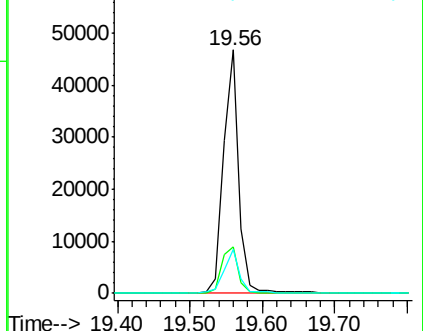
203 17.9 12.8 19.2



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: 0.40 ng/ul

RT: 21.31 min Scan# 1311

Delta R.T. -0.01 min

Lab File: BM003172.D

Acq: 18 Nov 2015 22:23

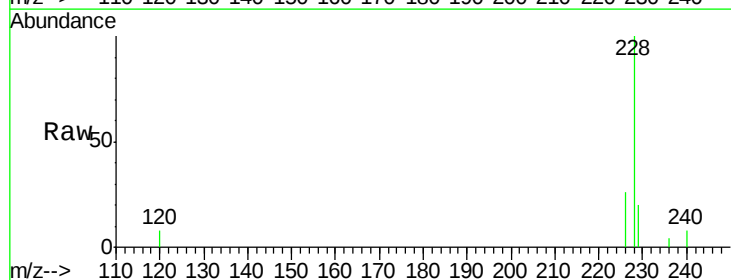
Tgt Ion:228 Resp: 58344

Ion Ratio Lower Upper

228 100

226 25.6 18.8 28.2

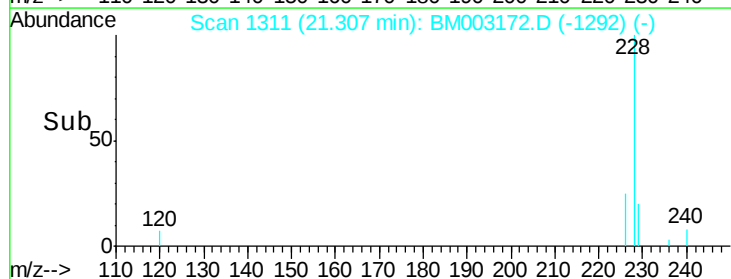
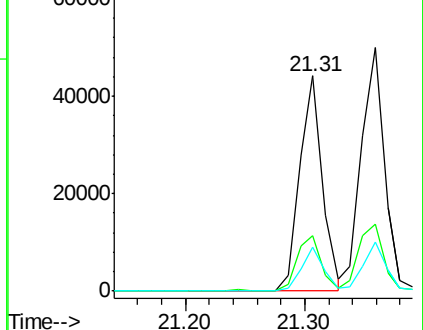
229 20.3 17.1 25.7

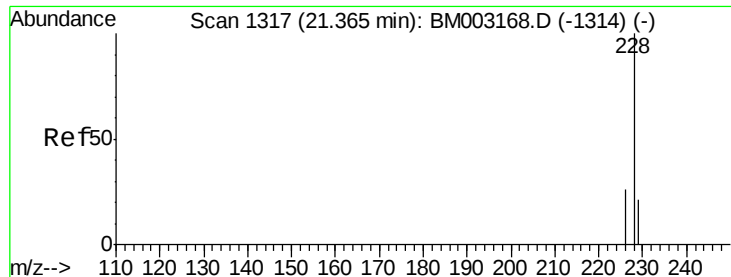


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#21

Chrysene

Concen: 0.41 ng/ul

RT: 21.36 min Scan# 1316

Delta R.T. -0.01 min

Lab File: BM003172.D

Acq: 18 Nov 2015 22:23

Instrument :

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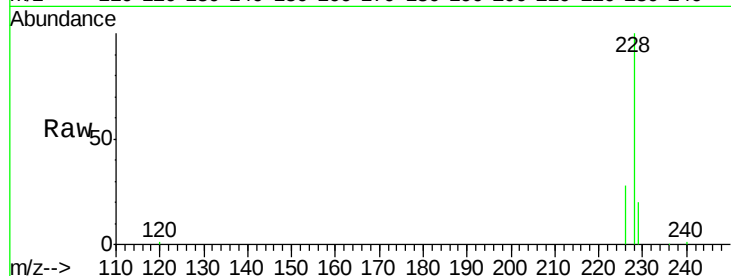
Tgt Ion:228 Resp: 67590

Ion Ratio Lower Upper

228 100

226 27.7 21.2 31.8

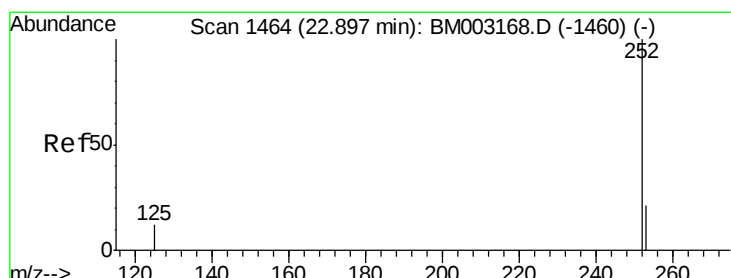
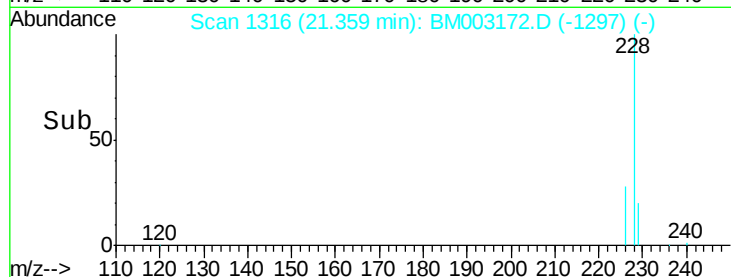
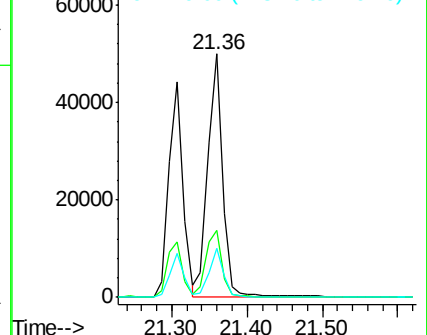
229 19.9 17.0 25.6



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: 0.42 ng/ul

RT: 22.89 min Scan# 1463

Delta R.T. -0.01 min

Lab File: BM003172.D

Acq: 18 Nov 2015 22:23

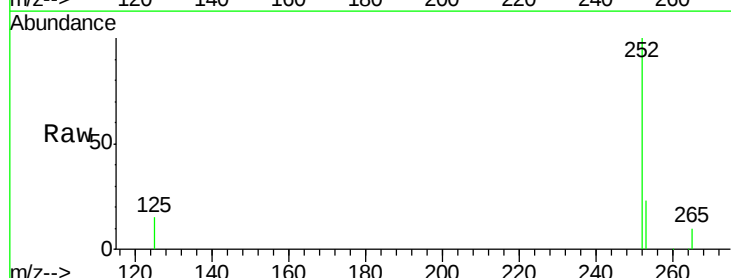
Tgt Ion:252 Resp: 69234

Ion Ratio Lower Upper

252 100

253 22.6 0.0 45.4

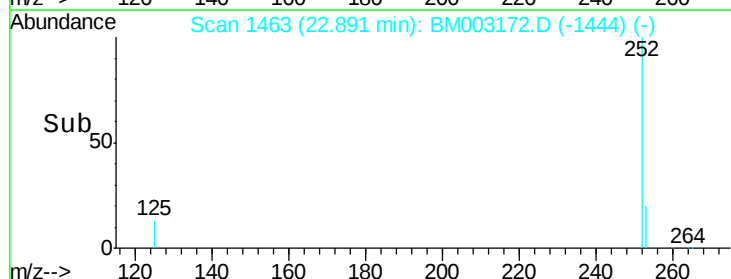
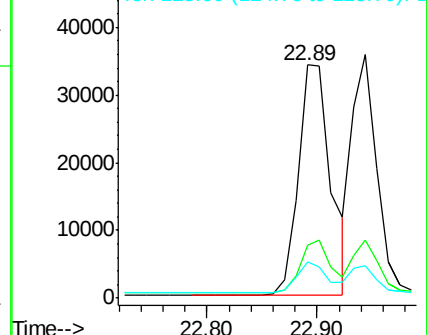
125 15.4 0.0 28.8

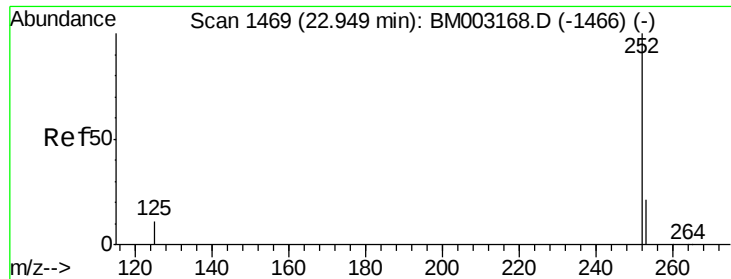


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#24

Benzo(k)fluoranthene

Concen: 0.36 ng/u1

RT: 22.94 min Scan# 1468

Delta R.T. -0.01 min

Lab File: BM003172.D

Acq: 18 Nov 2015 22:23

Instrument :

BNA_M

ClientSampleId :

SSTD0.451

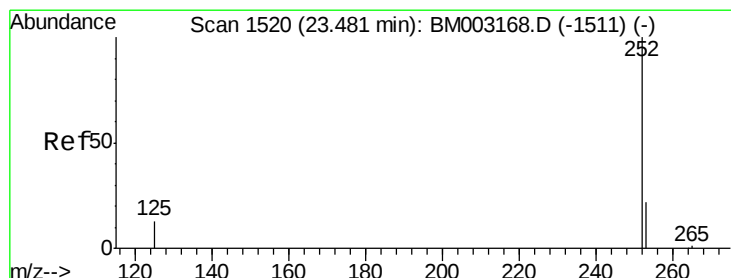
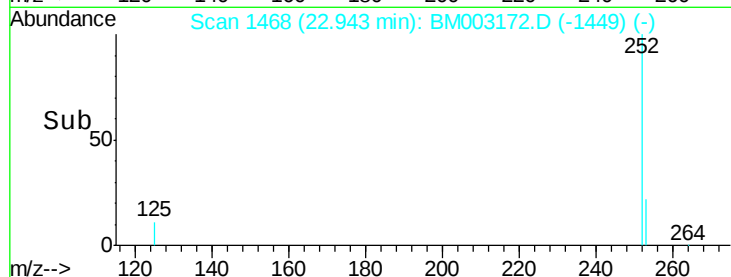
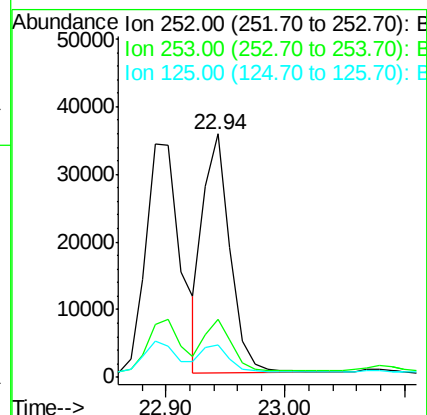
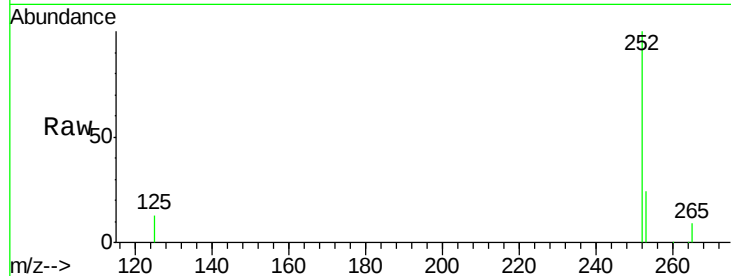
Tgt Ion:252 Resp: 55591

Ion Ratio Lower Upper

252 100

253 23.9 19.8 29.8

125 13.1 10.4 15.6



#25

Benzo(a)pyrene

Concen: 0.41 ng/u1

RT: 23.48 min Scan# 1519

Delta R.T. -0.01 min

Lab File: BM003172.D

Acq: 18 Nov 2015 22:23

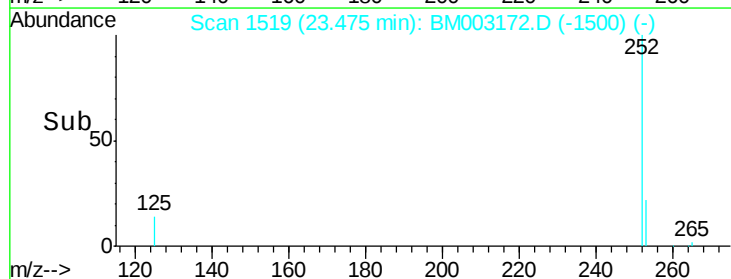
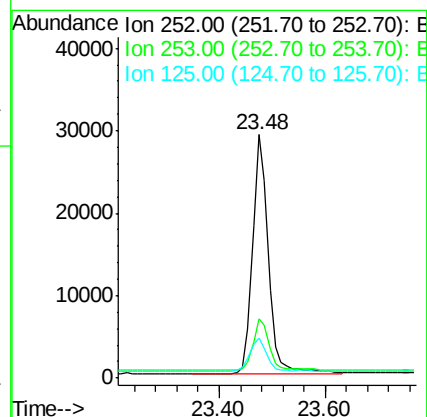
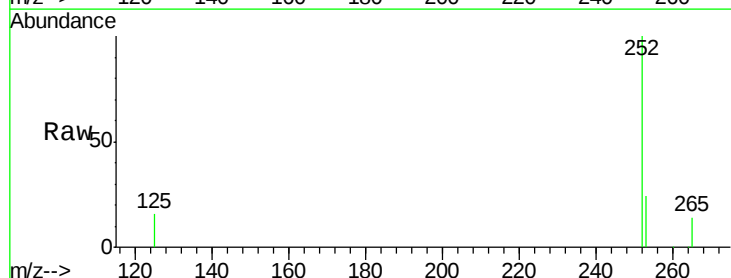
Tgt Ion:252 Resp: 59891

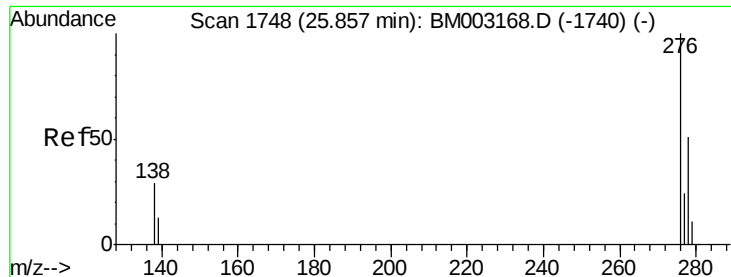
Ion Ratio Lower Upper

252 100

253 24.2 19.4 29.2

125 16.3 12.7 19.1





#26

Indeno(1,2,3-cd)pyrene

Concen: 0.43 ng/ul

RT: 25.85 min Scan# 1747

Delta R.T. -0.01 min

Lab File: BM003172.D

Acq: 18 Nov 2015 22:23

Instrument :

BNA_M

ClientSampleId :

SSTD0.451

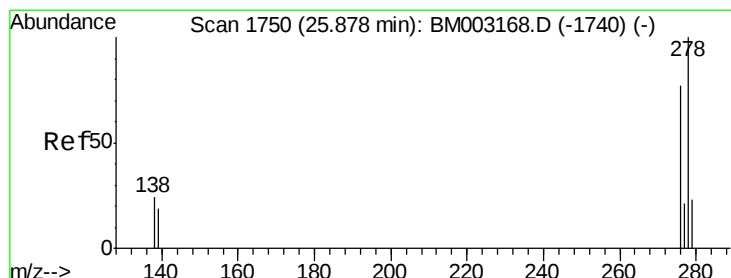
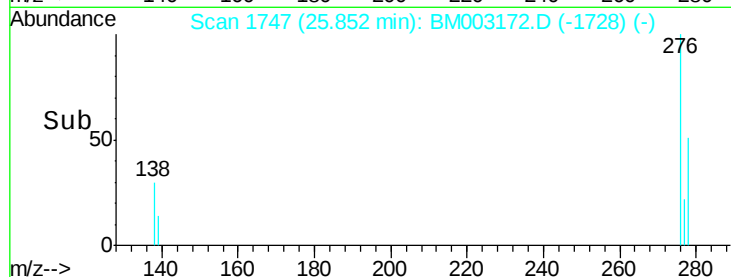
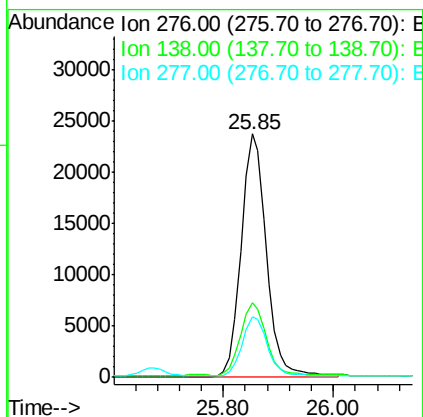
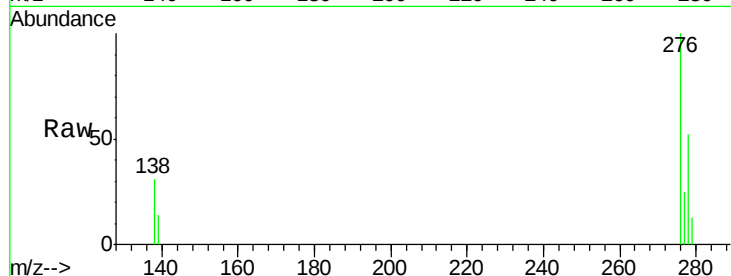
Tgt Ion:276 Resp: 75408

Ion Ratio Lower Upper

276 100

138 30.4 0.0 0.0#

277 24.5 0.0 0.0#



#27

Dibenzo(a,h)anthracene

Concen: 0.43 ng/ul

RT: 25.87 min Scan# 1749

Delta R.T. -0.01 min

Lab File: BM003172.D

Acq: 18 Nov 2015 22:23

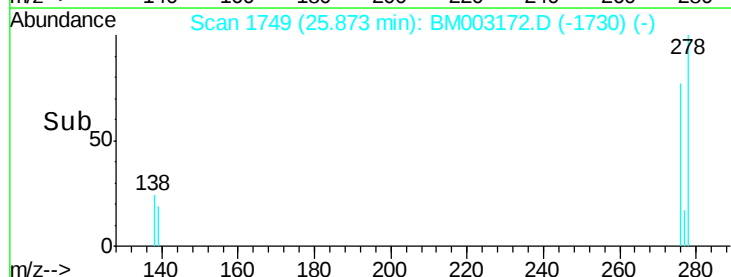
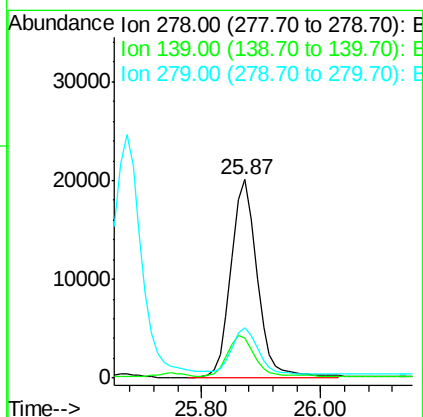
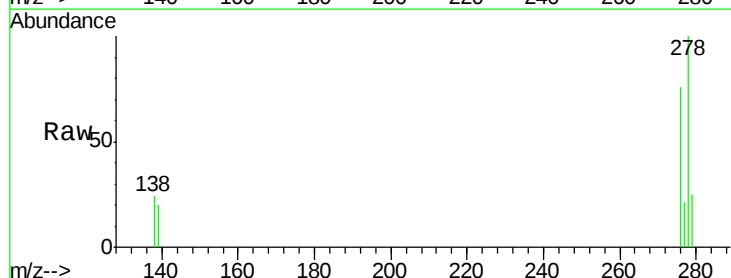
Tgt Ion:278 Resp: 60839

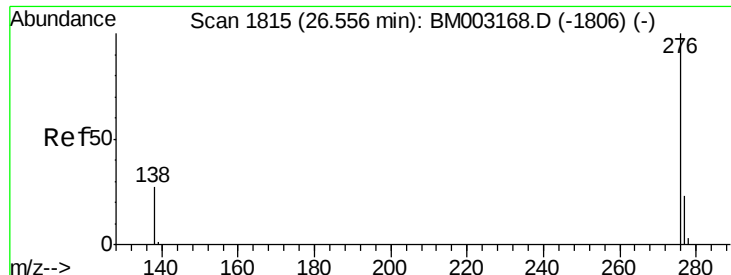
Ion Ratio Lower Upper

278 100

139 20.0 16.4 24.6

279 25.3 20.2 30.2





#28

Benzo(g,h,i)perylene

Concen: 0.41 ng/ul

RT: 26.55 min Scan# 1814

Delta R.T. -0.01 min

Lab File: BM003172.D

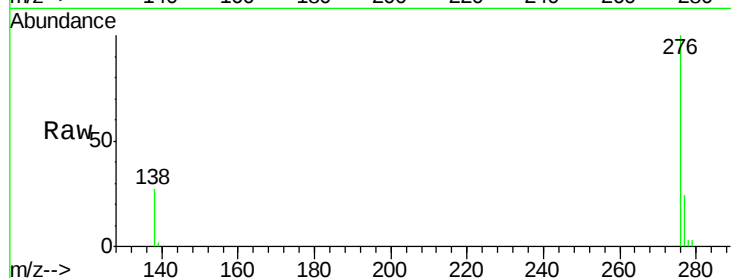
Acq: 18 Nov 2015 22:23

Instrument :

BNA_M

ClientSampleId :

SSTD0.451



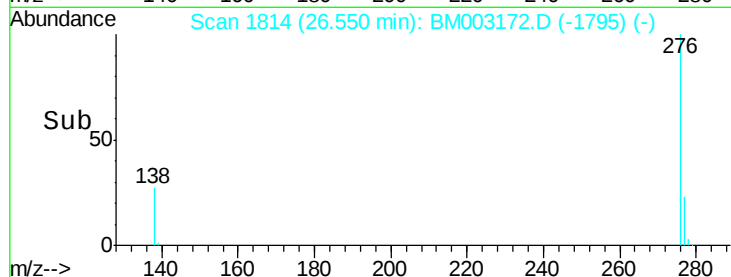
Tgt Ion: 276 Resp: 62742

Ion Ratio Lower Upper

276 100

277 23.6 18.9 28.3

138 27.3 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

