

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM111815\
 Data File : BM003171.D
 Acq On : 18 Nov 2015 21:47
 Operator : UM/IZ
 Sample : SSTD3.2050
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 SSTD3.250

Quant Time: Nov 19 03:08:05 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 03:03:27 2015
 Response via : Initial Calibration

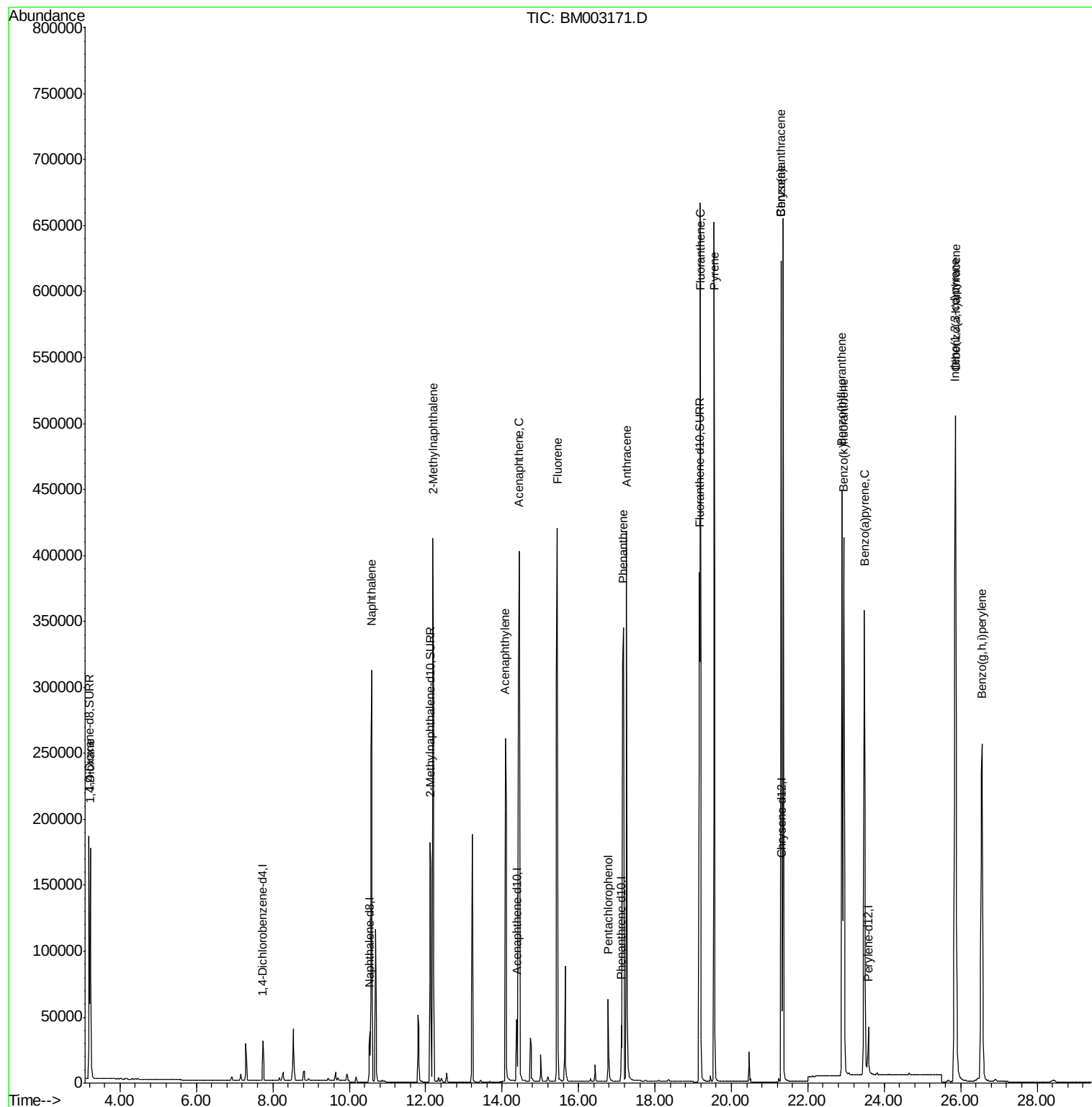
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.74	152	14857	0.40	ng/ul	0.00
4) Naphthalene-d8	10.53	136	54372	0.40	ng/ul	0.00
8) Acenaphthene-d10	14.38	164	26448	0.40	ng/ul	0.00
12) Phenanthrene-d10	17.12	188	54769	0.40	ng/ul	0.00
18) Chrysene-d12	21.32	240	57403	0.40	ng/ul	0.00
22) Perylene-d12	23.58	264	46453	0.40	ng/ul	0.00
System Monitoring Compounds						
2) 1,4-Dioxane-d8	3.20	96	126669	7.99	ng/uL	0.00
6) 2-Methylnaphthalene-d10	12.12	152	239776	2.69	ng/ul	0.00
16) Fluoranthene-d10	19.17	212	450144	3.15	ng/ul	0.00
Target Compounds				Qvalue		
3) 1,4-Dioxane	3.23	88	137668	7.67	ng/ul#	100
5) Naphthalene	10.58	128	442837	3.07	ng/ul	100
7) 2-Methylnaphthalene	12.19	142	300979	3.03	ng/ul#	100
9) Acenaphthylene	14.09	152	389085	2.70	ng/ul	99
10) Acenaphthene	14.45	153	301941	3.14	ng/ul	99
11) Fluorene	15.44	166	343645	3.07	ng/ul	99
13) Pentachlorophenol	16.78	266	43188	8.12	ng/ul#	16
14) Phenanthrene	17.17	178	525818	3.07	ng/ul	99
15) Anthracene	17.26	178	486407	3.15	ng/ul	99
17) Fluoranthene	19.19	202	605371	3.03	ng/ul	99
19) Pyrene	19.55	202	613489	2.96	ng/ul	99
20) Benzo(a)anthracene	21.30	228	569242	3.08	ng/ul#	90
21) Chrysene	21.30	228	569242	2.94	ng/ul	93
23) Benzo(b)fluoranthene	22.90	252	551606	3.38	ng/ul	96
24) Benzo(k)fluoranthene	22.94	252	542647	3.36	ng/ul	94
25) Benzo(a)pyrene	23.48	252	516681	3.29	ng/ul#	95
26) Indeno(1,2,3-cd)pyrene	25.86	276	601294	3.45	ng/ul#	100
27) Dibenzo(a,h)anthracene	25.87	278	495330	3.48	ng/ul	97
28) Benzo(g,h,i)perylene	26.56	276	522212	3.55	ng/ul	98

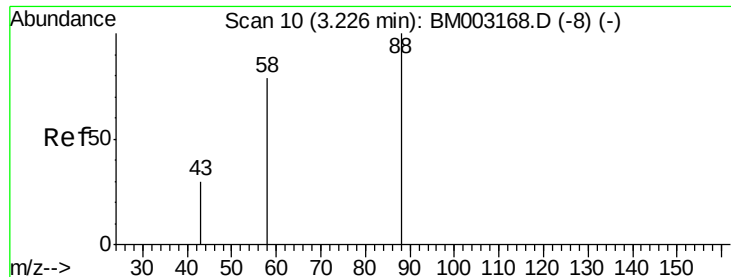
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

1,4-Dioxane

Concen: 7.67 ng/ul

RT: 3.23 min Scan# 10

Delta R.T. -0.00 min

Lab File: BM003171.D

Acq: 18 Nov 2015 21:47

Instrument :

BNA_M

ClientSampleId :

SSTD3.250

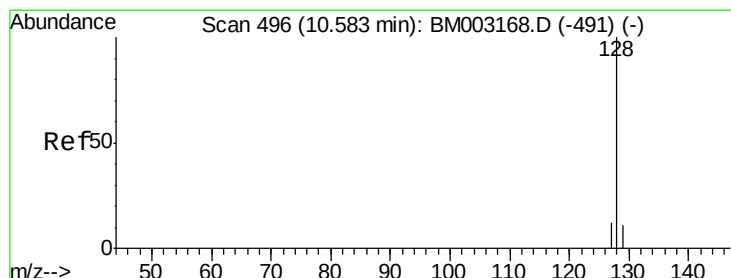
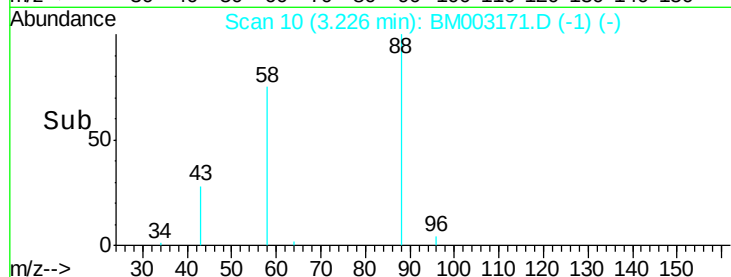
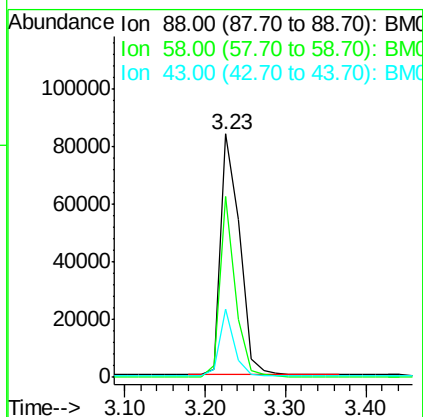
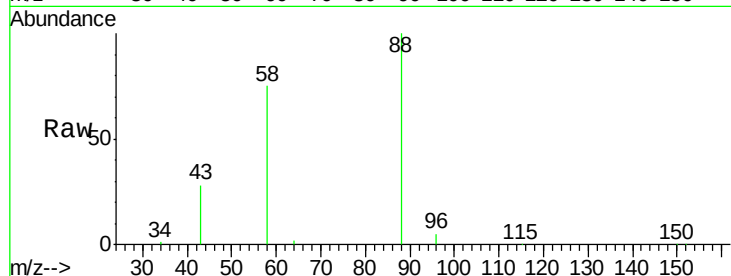
Tgt Ion: 88 Resp: 137668

Ion Ratio Lower Upper

88 100

58 61.2 0.0 0.0#

43 21.8 0.0 0.0#



#5

Naphthalene

Concen: 3.07 ng/ul

RT: 10.58 min Scan# 496

Delta R.T. -0.00 min

Lab File: BM003171.D

Acq: 18 Nov 2015 21:47

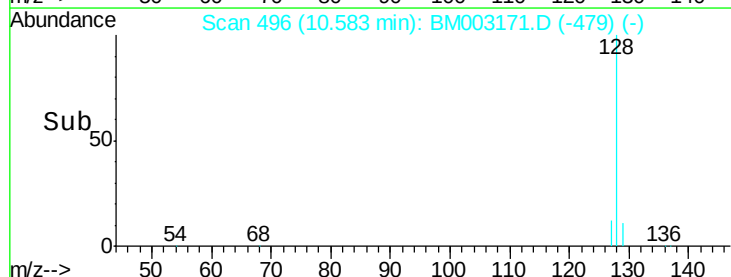
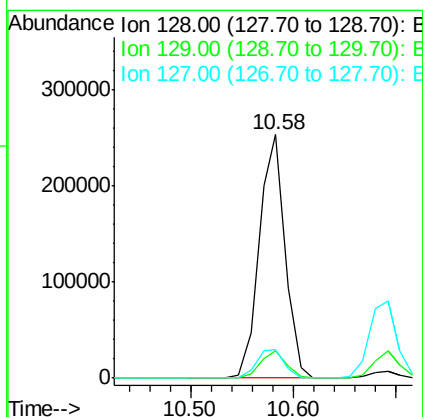
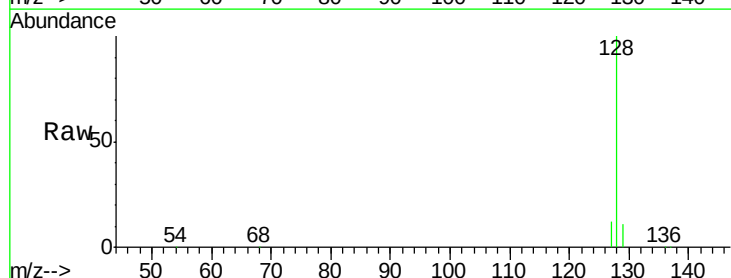
Tgt Ion: 128 Resp: 442837

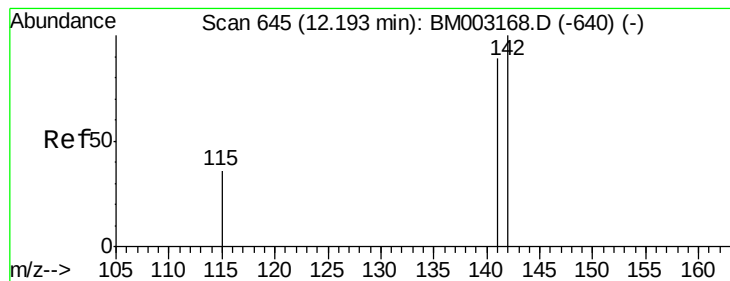
Ion Ratio Lower Upper

128 100

129 11.2 9.0 13.6

127 11.9 9.6 14.4





#7

2-Methylnaphthalene

Concen: 3.03 ng/ul

RT: 12.19 min Scan# 645

Delta R.T. -0.00 min

Lab File: BM003171.D

Acq: 18 Nov 2015 21:47

Instrument :

BNA_M

ClientSampleId :

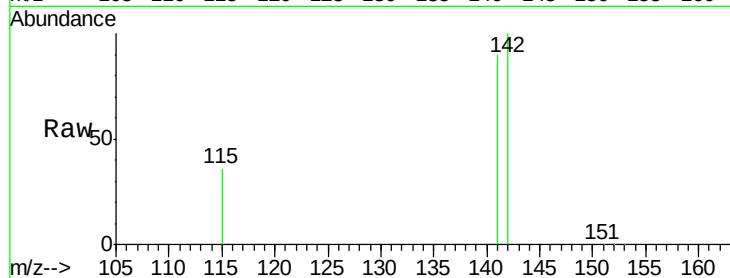
SSTD3.250

Tgt Ion:142 Resp: 300979

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

12.19

200000

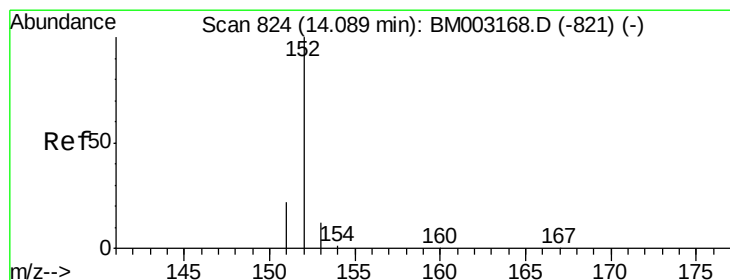
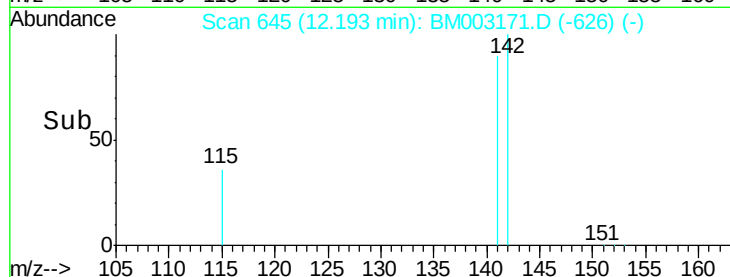
150000

100000

50000

0

Time--> 12.10 12.20 12.30 12.40



#9

Acenaphthylene

Concen: 2.70 ng/ul

RT: 14.09 min Scan# 824

Delta R.T. -0.00 min

Lab File: BM003171.D

Acq: 18 Nov 2015 21:47

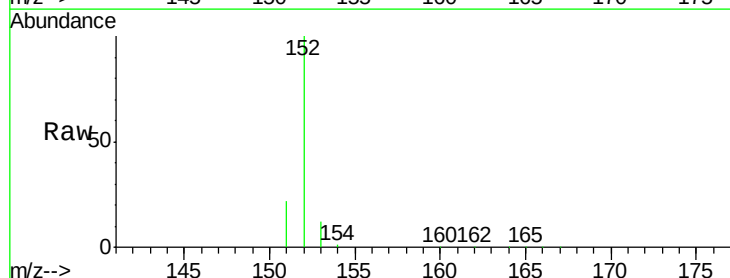
Tgt Ion:152 Resp: 389085

Ion Ratio Lower Upper

152 100

151 21.8 17.6 26.4

153 11.6 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

14.09

250000

200000

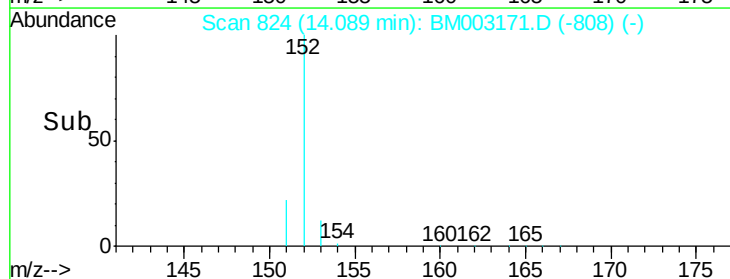
150000

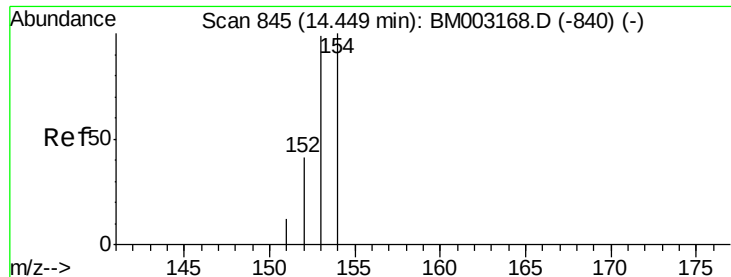
100000

50000

0

Time--> 14.00 14.10 14.20





#10

Acenaphthene

Concen: 3.14 ng/ul

RT: 14.45 min Scan# 845

Delta R.T. -0.00 min

Lab File: BM003171.D

Acq: 18 Nov 2015 21:47

Instrument :

BNA_M

ClientSampleId :

SSTD3.250

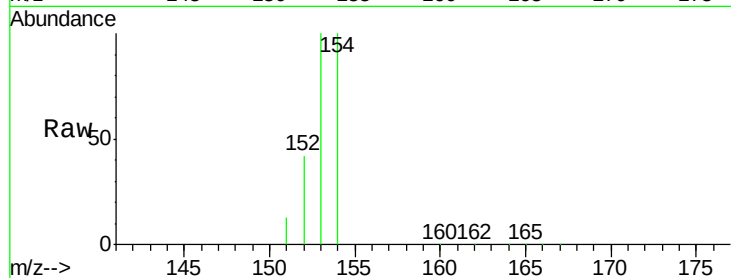
Tgt Ion:153 Resp: 301941

Ion Ratio Lower Upper

153 100

152 41.7 33.9 50.9

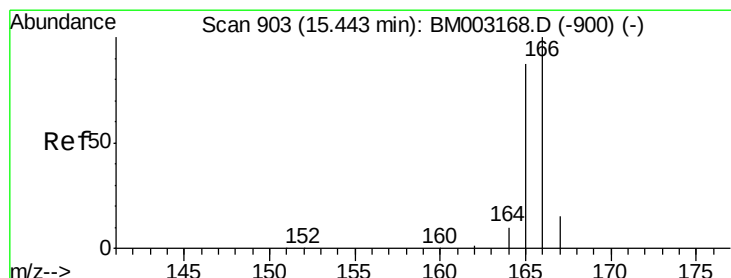
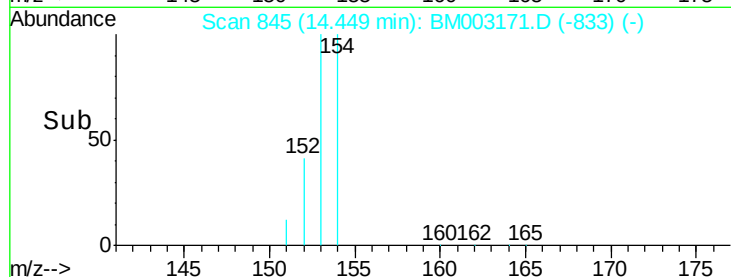
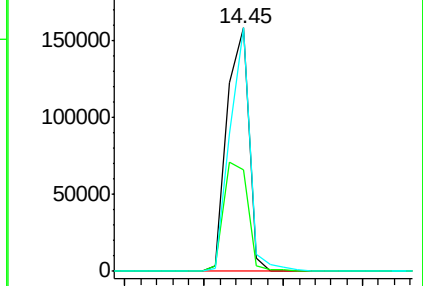
154 100.1 80.6 121.0



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: 3.07 ng/ul

RT: 15.44 min Scan# 903

Delta R.T. -0.00 min

Lab File: BM003171.D

Acq: 18 Nov 2015 21:47

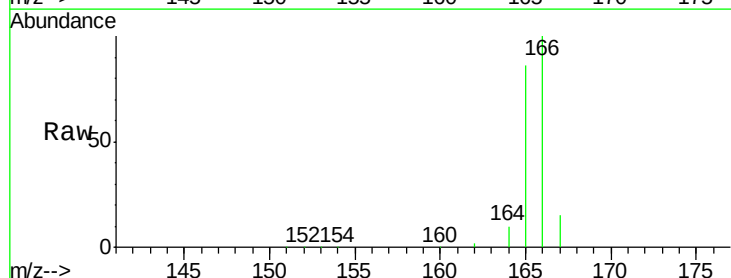
Tgt Ion:166 Resp: 343645

Ion Ratio Lower Upper

166 100

165 85.8 69.6 104.4

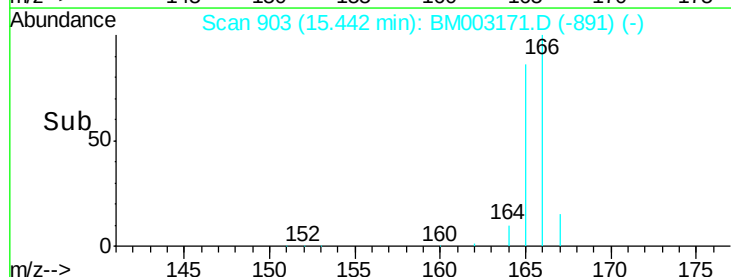
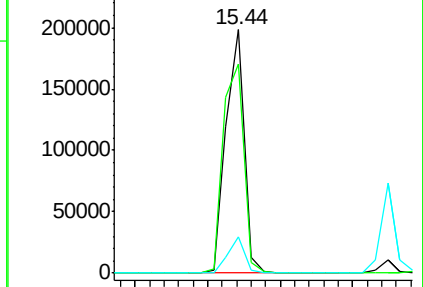
167 14.6 11.9 17.9

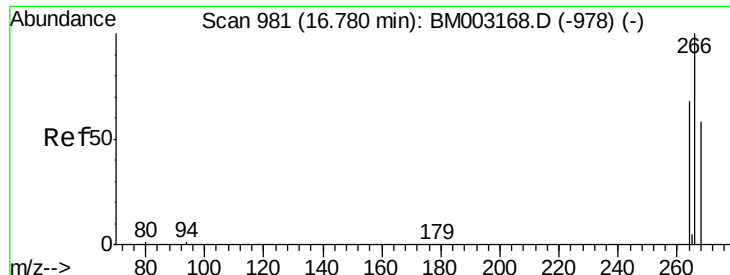


Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E

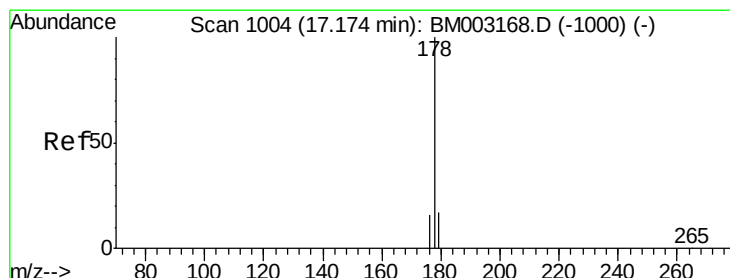
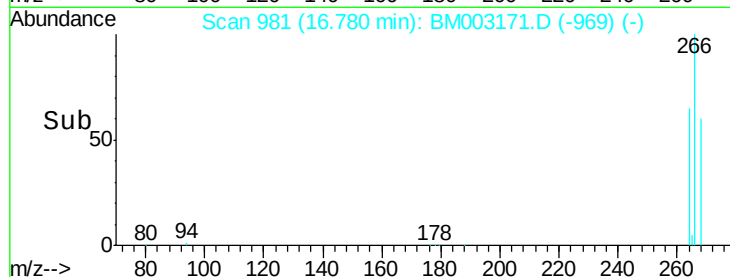
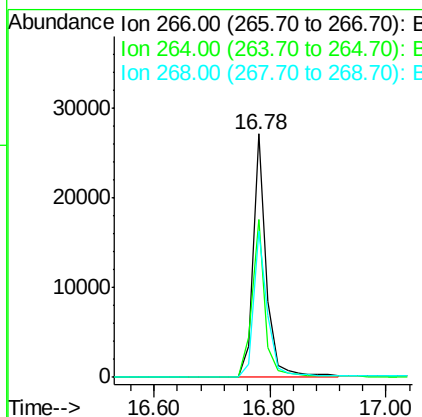
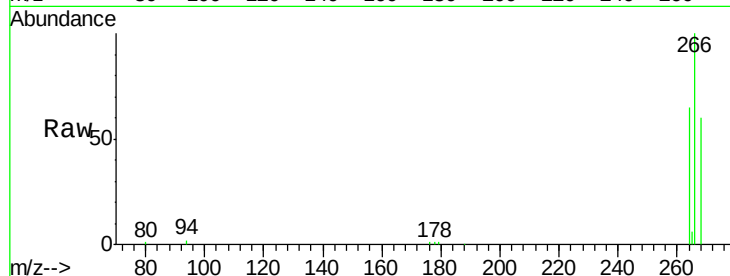




#13
 Pentachlorophenol
 Concen: 8.12 ng/ul
 RT: 16.78 min Scan# 981
 Delta R.T. -0.00 min
 Lab File: BM003171.D
 Acq: 18 Nov 2015 21:47

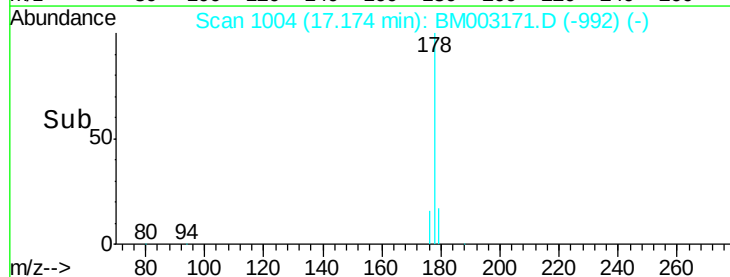
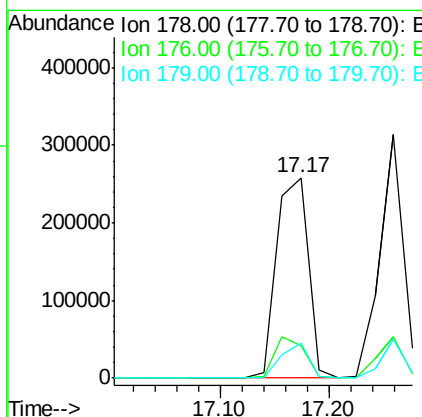
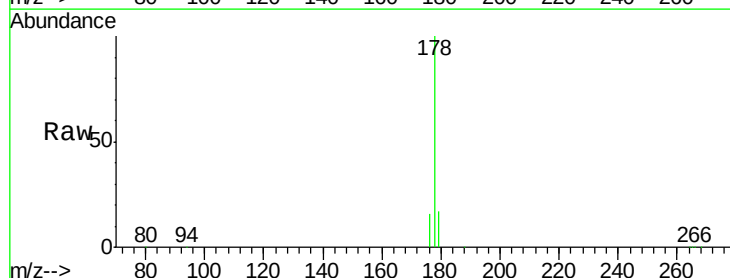
Instrument :
 BNA_M
 ClientSampleId :
 SSTD3.250

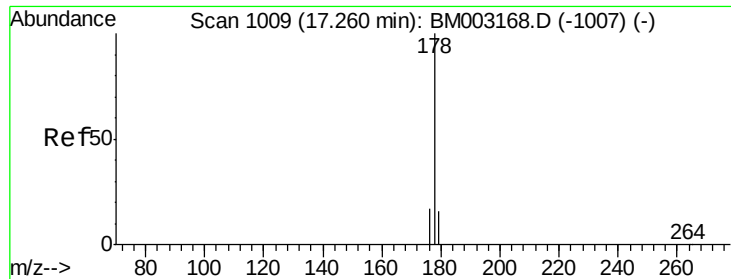
Tgt Ion: 266 Resp: 43188
 Ion Ratio Lower Upper
 266 100
 264 64.0 0.3 0.5#
 268 63.4 0.0 0.0#



#14
 Phenanthrene
 Concen: 3.07 ng/ul
 RT: 17.17 min Scan# 1004
 Delta R.T. -0.00 min
 Lab File: BM003171.D
 Acq: 18 Nov 2015 21:47

Tgt Ion: 178 Resp: 525818
 Ion Ratio Lower Upper
 178 100
 176 16.1 13.0 19.4
 179 17.3 14.2 21.2





#15

Anthracene

Concen: 3.15 ng/ul

RT: 17.26 min Scan# 1009

Delta R.T. -0.00 min

Lab File: BM003171.D

Acq: 18 Nov 2015 21:47

Instrument :

BNA_M

ClientSampleId :

SSTD3.250

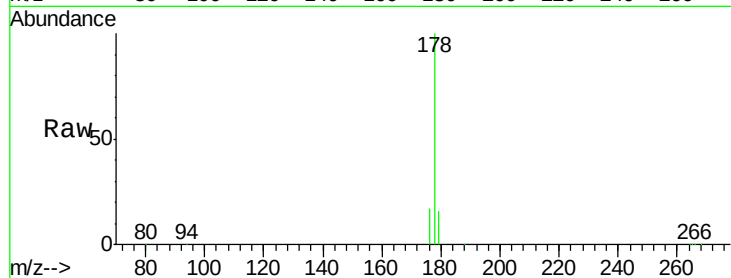
Tgt Ion:178 Resp: 486407

Ion Ratio Lower Upper

178 100

176 17.1 14.0 21.0

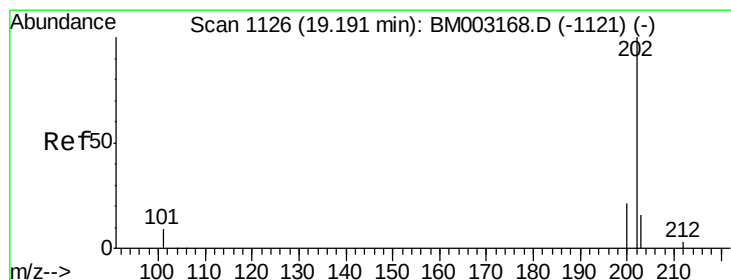
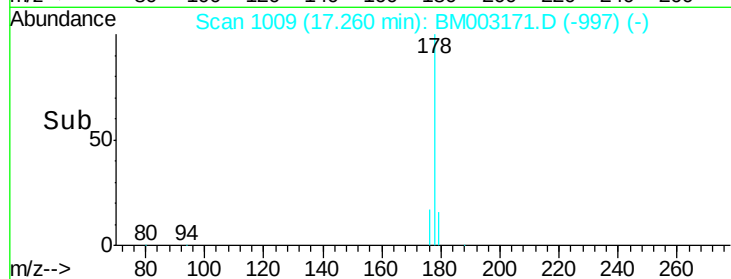
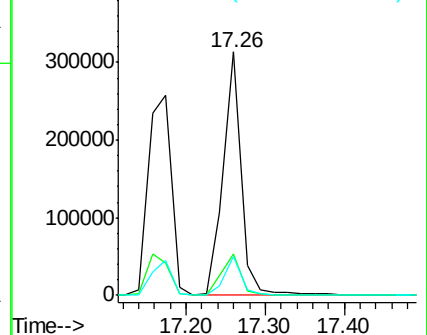
179 16.0 12.9 19.3



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



#17

Fluoranthene

Concen: 3.03 ng/ul

RT: 19.19 min Scan# 1126

Delta R.T. -0.00 min

Lab File: BM003171.D

Acq: 18 Nov 2015 21:47

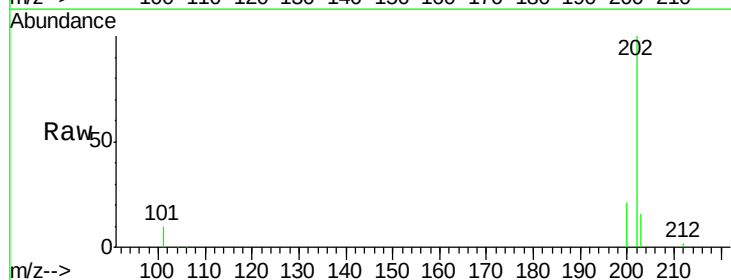
Tgt Ion:202 Resp: 605371

Ion Ratio Lower Upper

202 100

101 9.9 0.0 29.6

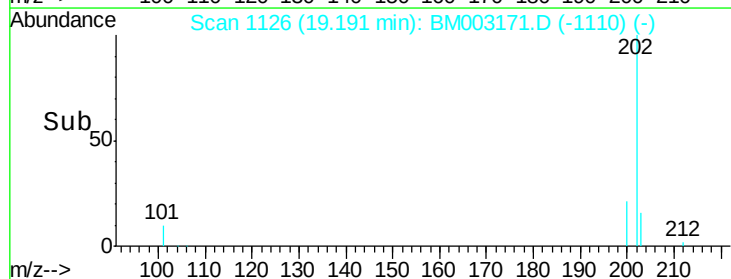
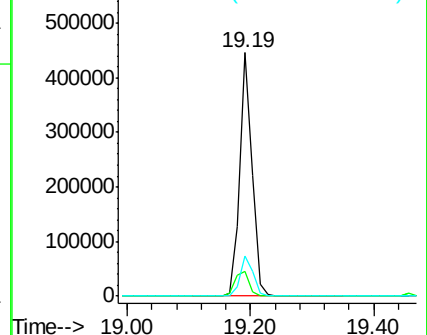
203 16.4 0.0 36.3

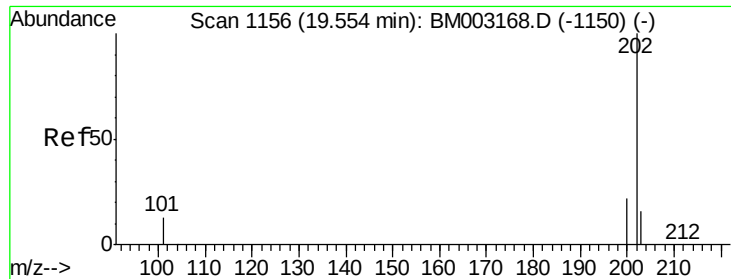


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E





#19

Pyrene

Concen: 2.96 ng/ul

RT: 19.55 min Scan# 1156

Delta R.T. -0.00 min

Lab File: BM003171.D

Acq: 18 Nov 2015 21:47

Instrument :

BNA_M

ClientSampleId :

SSTD3.250

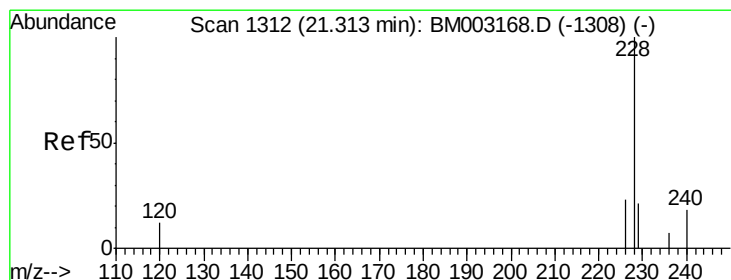
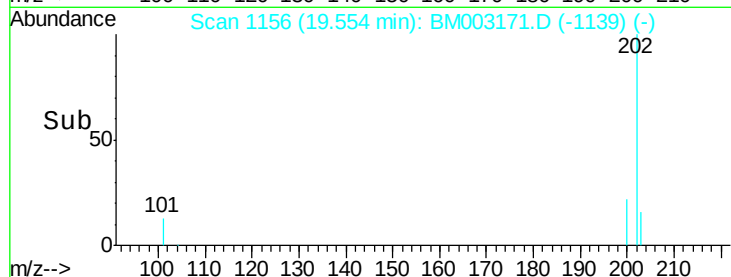
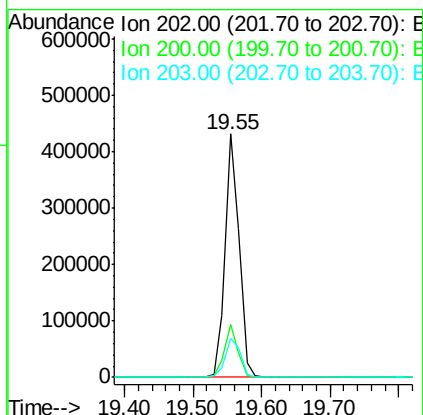
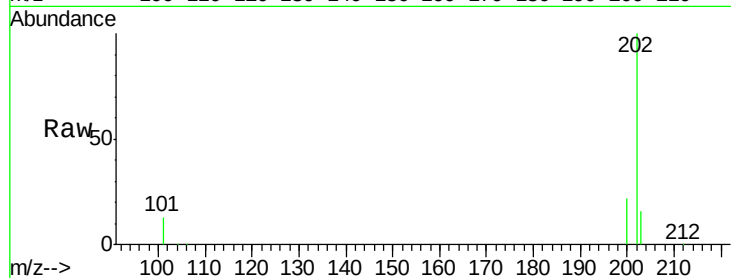
Tgt Ion:202 Resp: 613489

Ion Ratio Lower Upper

202 100

200 21.9 17.8 26.8

203 16.2 12.8 19.2



#20

Benzo(a)anthracene

Concen: 3.08 ng/ul

RT: 21.30 min Scan# 1311

Delta R.T. -0.01 min

Lab File: BM003171.D

Acq: 18 Nov 2015 21:47

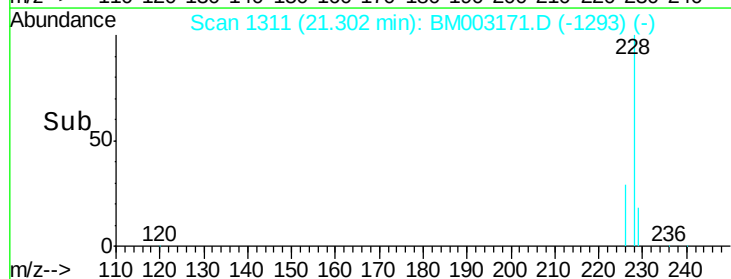
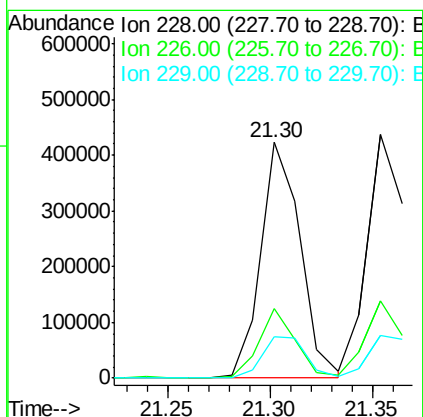
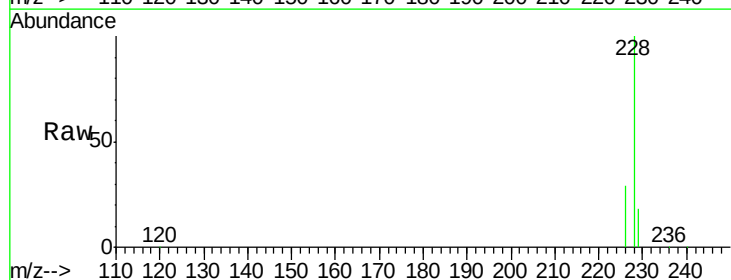
Tgt Ion:228 Resp: 569242

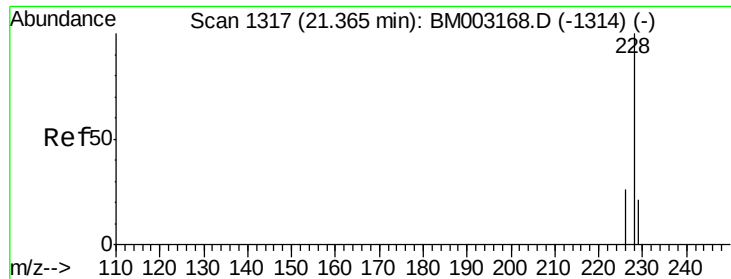
Ion Ratio Lower Upper

228 100

226 29.3 18.8 28.2#

229 17.6 17.1 25.7





#21

Chrysene

Concen: 2.94 ng/ul

RT: 21.30 min Scan# 1311

Delta R.T. -0.06 min

Lab File: BM003171.D

Acq: 18 Nov 2015 21:47

Instrument :

BNA_M

ClientSampleId :

SSTD3.250

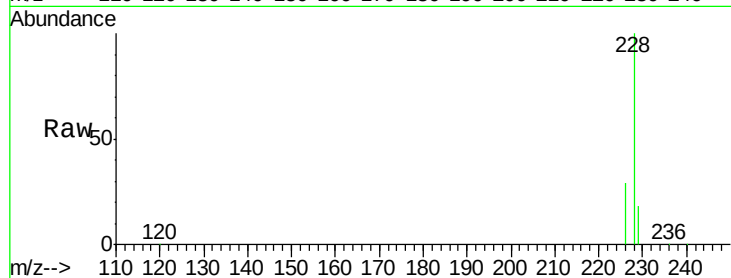
Tgt Ion:228 Resp: 569242

Ion Ratio Lower Upper

228 100

226 29.3 21.2 31.8

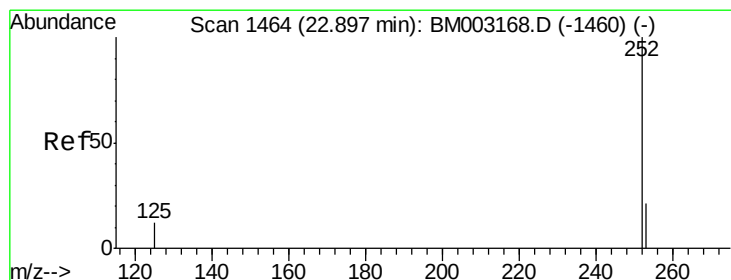
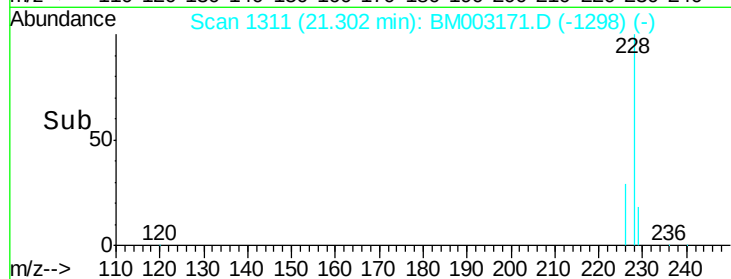
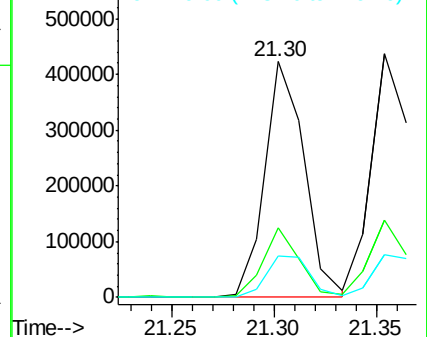
229 17.6 17.0 25.6



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: 3.38 ng/ul

RT: 22.90 min Scan# 1464

Delta R.T. -0.00 min

Lab File: BM003171.D

Acq: 18 Nov 2015 21:47

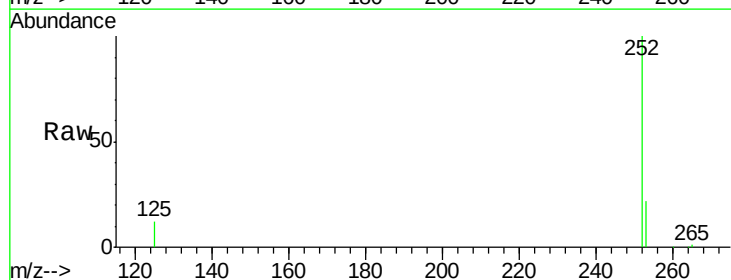
Tgt Ion:252 Resp: 551606

Ion Ratio Lower Upper

252 100

253 21.6 0.0 45.4

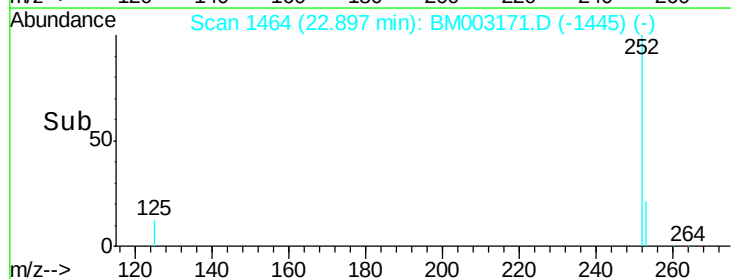
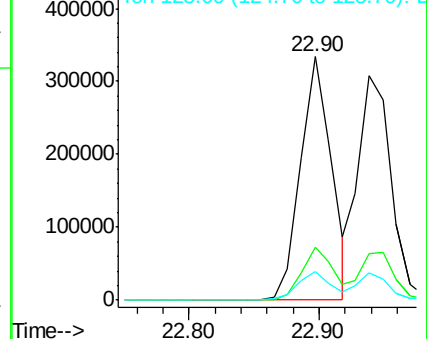
125 11.8 0.0 28.8

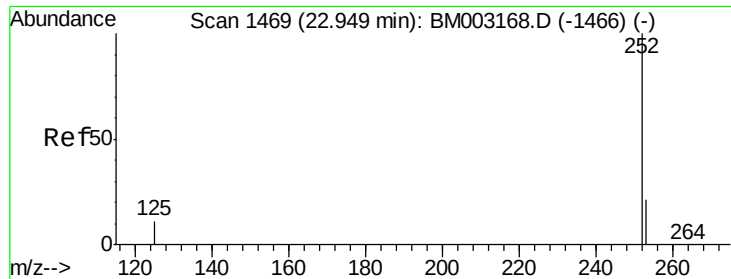


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#24

Benzo(k)fluoranthene

Concen: 3.36 ng/ul

RT: 22.94 min Scan# 1468

Delta R.T. -0.01 min

Lab File: BM003171.D

Acq: 18 Nov 2015 21:47

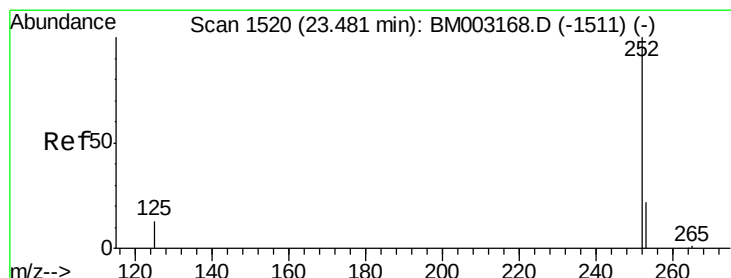
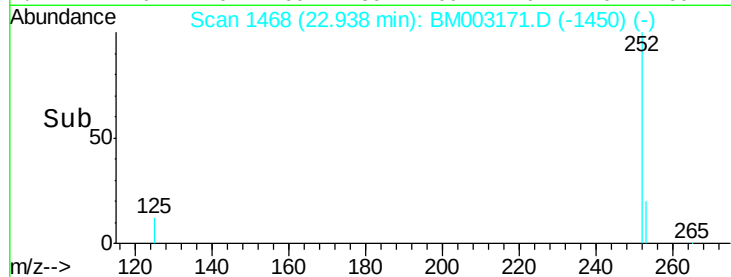
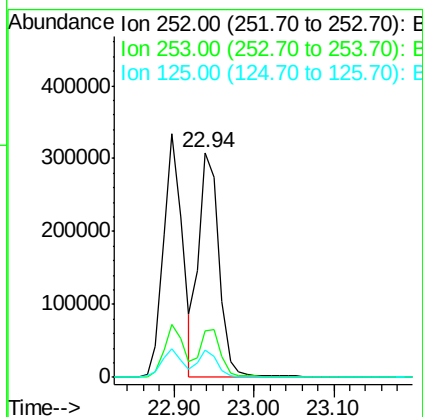
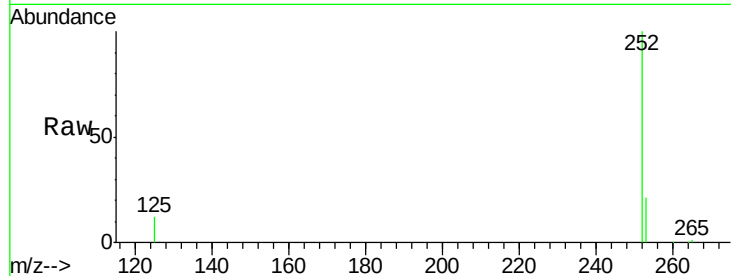
Instrument :

BNA_M

ClientSampleId :

SSTD3.250

Tgt Ion:	252	Resp:	542647
Ion Ratio		Lower	Upper
252	100		
253	20.7	19.8	29.8
125	12.3	10.4	15.6



#25

Benzo(a)pyrene

Concen: 3.29 ng/ul

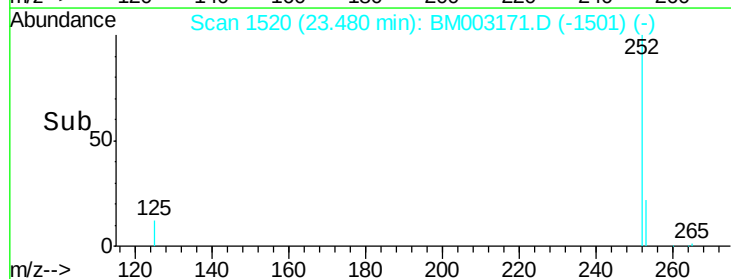
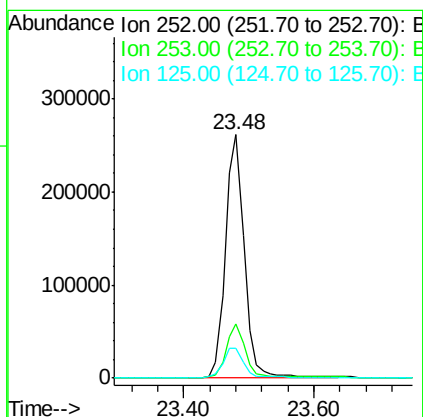
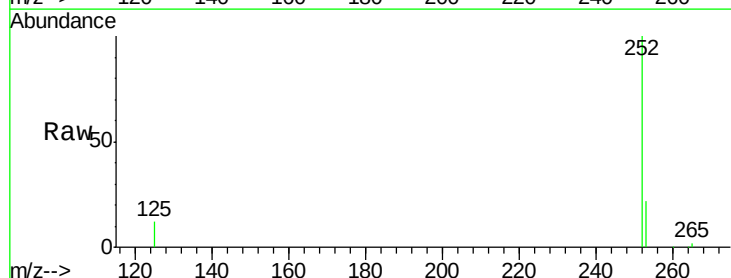
RT: 23.48 min Scan# 1520

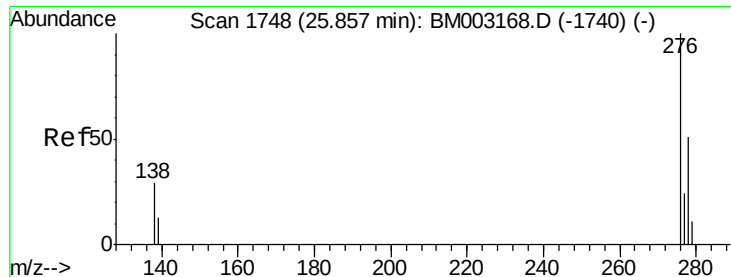
Delta R.T. -0.00 min

Lab File: BM003171.D

Acq: 18 Nov 2015 21:47

Tgt Ion:	252	Resp:	516681
Ion Ratio		Lower	Upper
252	100		
253	22.4	19.4	29.2
125	12.5	12.7	19.1#





#26

Indeno(1,2,3-cd)pyrene

Concen: 3.45 ng/ul

RT: 25.86 min Scan# 1748

Delta R.T. -0.00 min

Lab File: BM003171.D

Acq: 18 Nov 2015 21:47

Instrument :

BNA_M

ClientSampleId :

SSTD3.250

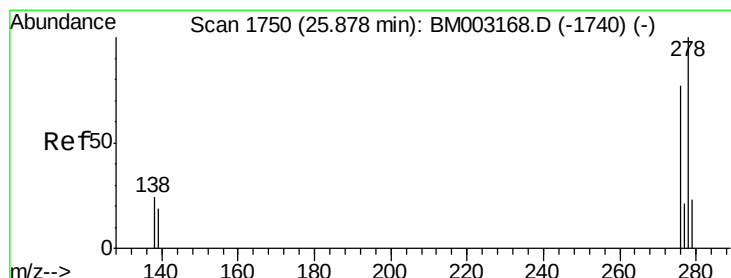
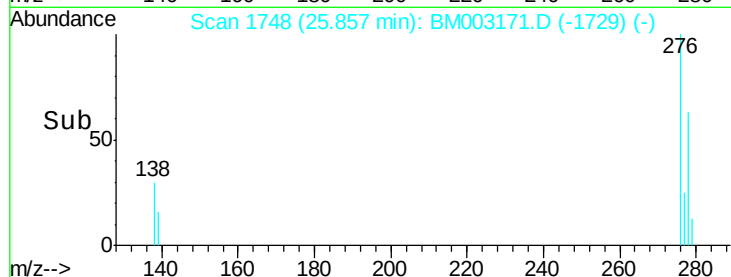
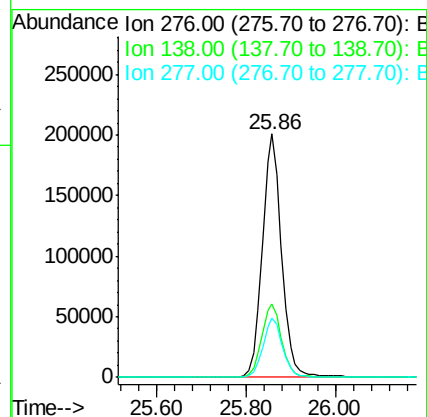
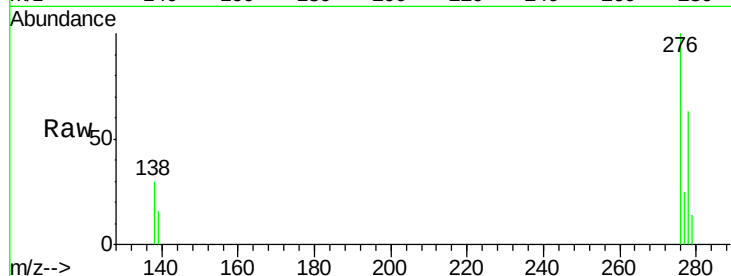
Tgt Ion:276 Resp: 601294

Ion Ratio Lower Upper

276 100

138 31.2 0.0 0.0#

277 24.8 0.0 0.0#



#27

Dibenzo(a,h)anthracene

Concen: 3.48 ng/ul

RT: 25.87 min Scan# 1749

Delta R.T. -0.01 min

Lab File: BM003171.D

Acq: 18 Nov 2015 21:47

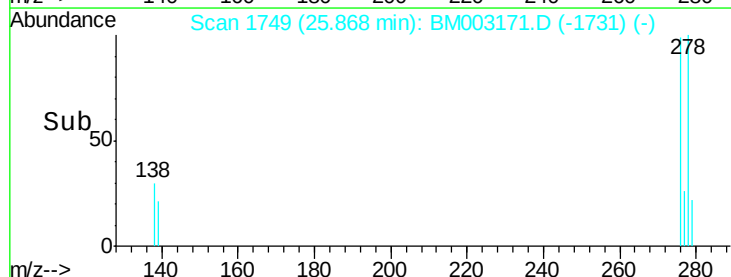
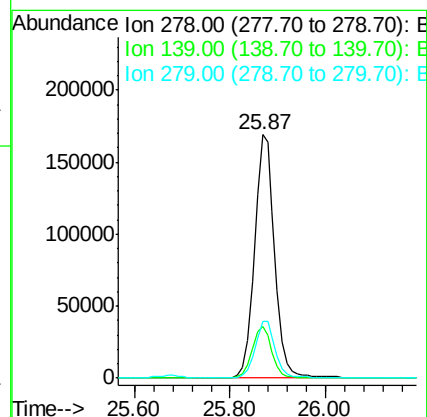
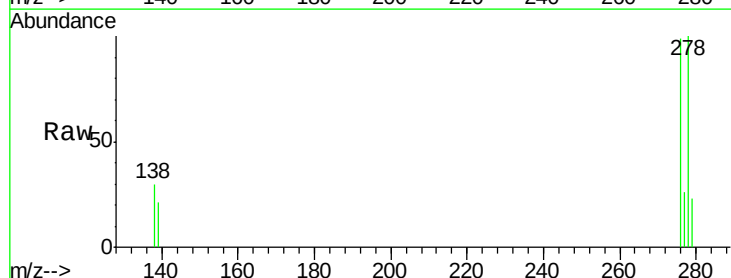
Tgt Ion:278 Resp: 495330

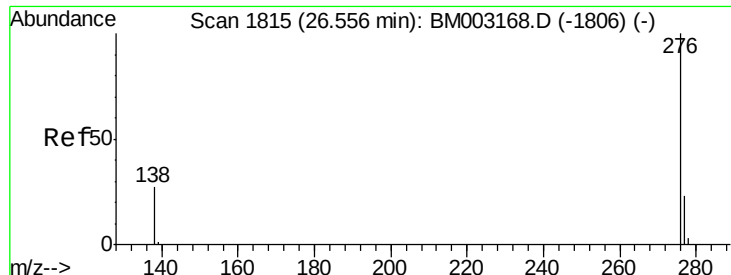
Ion Ratio Lower Upper

278 100

139 21.1 16.4 24.6

279 23.1 20.2 30.2





#28

Benzo(g,h,i)perylene

Concen: 3.55 ng/ul

RT: 26.56 min Scan# 1815

Delta R.T. -0.00 min

Lab File: BM003171.D

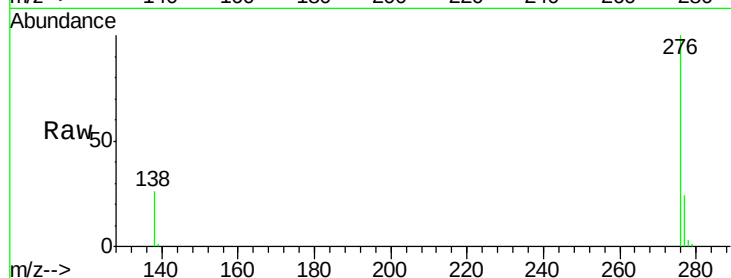
Acq: 18 Nov 2015 21:47

Instrument :

BNA_M

ClientSampleId :

SSTD3.250



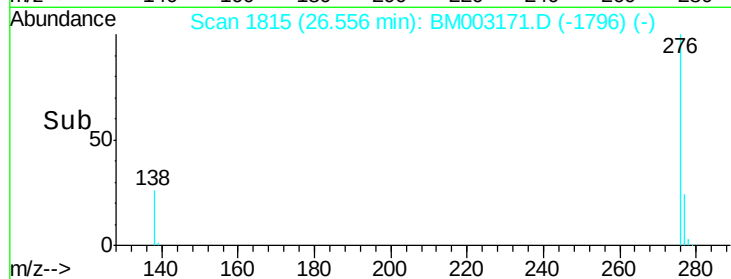
Tgt Ion: 276 Resp: 522212

Ion Ratio Lower Upper

276 100

277 23.6 18.9 28.3

138 26.2 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

