

Data Path : Z:\HPCHEM1\BNA_M\Data\BM121515\
 Data File : BM003555.D
 Acq On : 15 Dec 2015 19:05
 Operator : UM/IZ
 Sample : SSTDCCC0.4
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 SSTD0.453

Quant Time: Dec 16 05:49:06 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 : Tue Dec 15 19:02:43 2015
 Response via : Initial Calibration

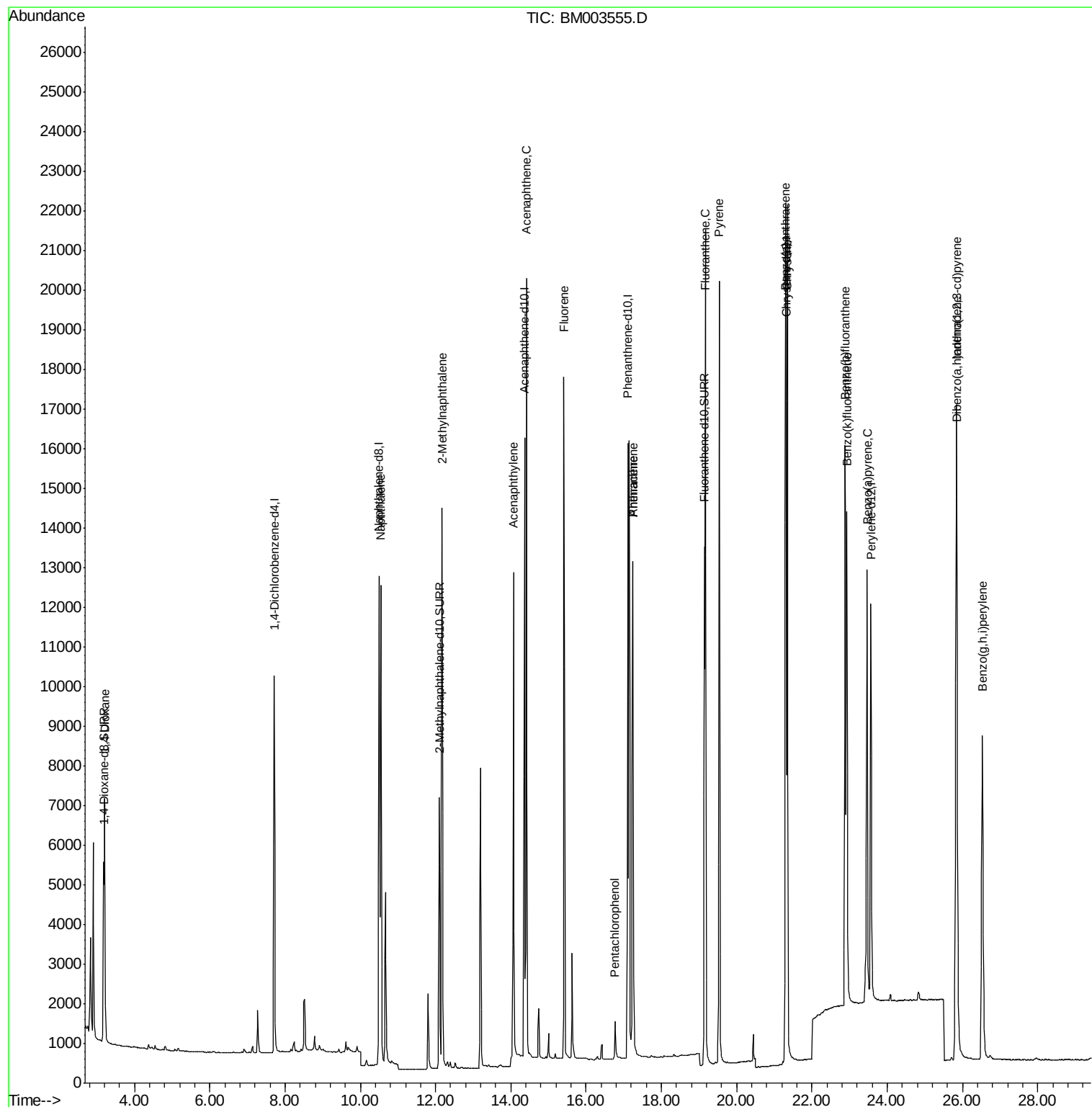
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.71	152	5221	0.40	ng/ul	0.00
4) Naphthalene-d8	10.50	136	19182	0.40	ng/ul	0.00
8) Acenaphthene-d10	14.37	164	9515	0.40	ng/ul	0.00
12) Phenanthrene-d10	17.11	188	19354	0.40	ng/ul	0.00
18) Chrysene-d12	21.32	240	18965	0.40	ng/ul	0.00
22) Perylene-d12	23.57	264	14227	0.40	ng/ul	0.00
System Monitoring Compounds						
2) 1,4-Dioxane-d8	3.18	96	4506	2.02	ng/uL	0.00
6) 2-Methylnaphthalene-d10	12.10	152	9220	0.40	ng/ul	0.00
16) Fluoranthene-d10	19.15	212	15475	0.38	ng/ul	0.00
Target Compounds				Qvalue		
3) 1,4-Dioxane	3.21	88	5563	1.96	ng/ul#	100
5) Naphthalene	10.55	128	17441	0.40	ng/ul	98
7) 2-Methylnaphthalene	12.17	142	11696	0.40	ng/ul	99
9) Acenaphthylene	14.07	152	14357	0.40	ng/ul	96
10) Acenaphthene	14.42	153	12136	0.41	ng/ul	83
11) Fluorene	15.41	166	13104	0.40	ng/ul#	78
13) Pentachlorophenol	16.76	266	994	0.36	ng/ul	97
14) Phenanthrene	17.24	178	16218	0.32	ng/ul	98
15) Anthracene	17.24	178	17138	0.40	ng/ul	99
17) Fluoranthene	19.17	202	22039	0.41	ng/ul	98
19) Pyrene	19.54	202	20775	0.41	ng/ul	99
20) Benzo(a)anthracene	21.30	228	17127	0.37	ng/ul	98
21) Chrysene	21.35	228	21005	0.40	ng/ul	98
23) Benzo(b)fluoranthene	22.88	252	18434	0.38	ng/ul	98
24) Benzo(k)fluoranthene	22.93	252	18581	0.42	ng/ul	98
25) Benzo(a)pyrene	23.46	252	16788	0.41	ng/ul	96
26) Indeno(1,2,3-cd)pyrene	25.84	276	20087	0.42	ng/ul#	91
27) Dibenzo(a,h)anthracene	25.85	278	16309	0.43	ng/ul	99
28) Benzo(g,h,i)perylene	26.53	276	17597	0.43	ng/ul	98

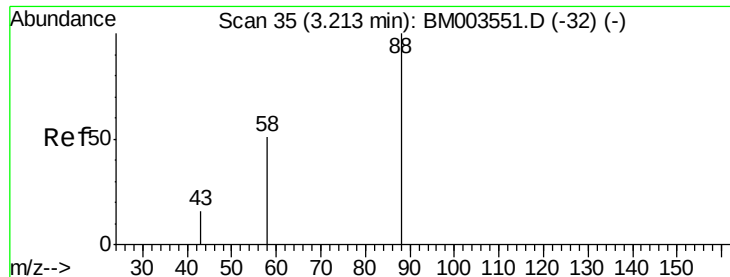
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

1,4-Dioxane

Concen: 1.96 ng/ul

RT: 3.21 min Scan# 35

Delta R.T. -0.00 min

Lab File: BM003555.D

Acq: 15 Dec 2015 19:05

Instrument :

BNA_M

ClientSampleId :

SSTD0.453

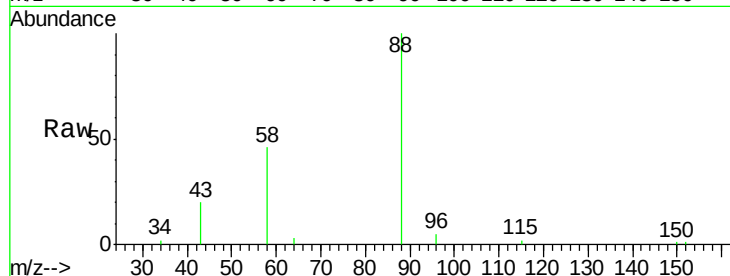
Tgt Ion: 88 Resp: 5563

Ion Ratio Lower Upper

88 100

58 59.6 0.0 0.0#

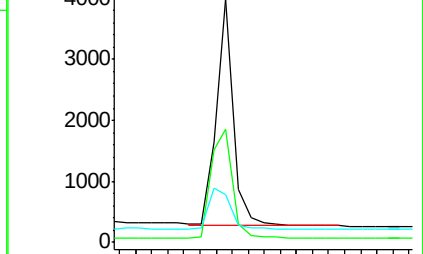
43 23.6 0.0 0.0#



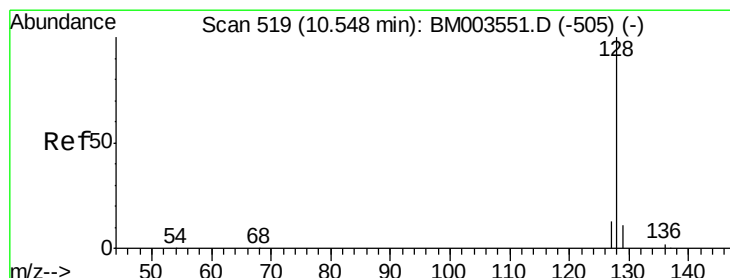
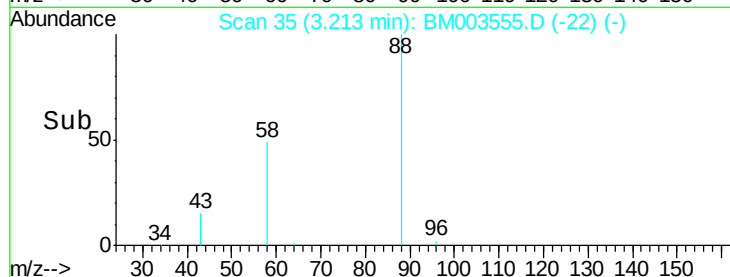
Abundance Ion 88.00 (87.70 to 88.70): BM003555.D (-32) (-)

Ion 58.00 (57.70 to 58.70): BM003555.D (-32) (-)

Ion 43.00 (42.70 to 43.70): BM003555.D (-32) (-)



Time-->



#5

Naphthalene

Concen: 0.40 ng/ul

RT: 10.55 min Scan# 519

Delta R.T. -0.00 min

Lab File: BM003555.D

Acq: 15 Dec 2015 19:05

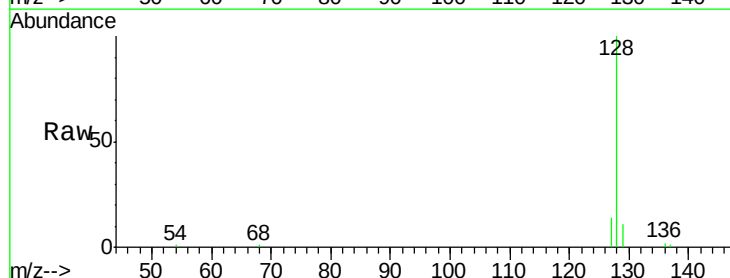
Tgt Ion: 128 Resp: 17441

Ion Ratio Lower Upper

128 100

129 11.2 9.0 13.6

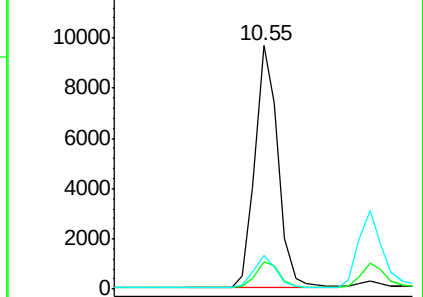
127 13.8 9.6 14.4



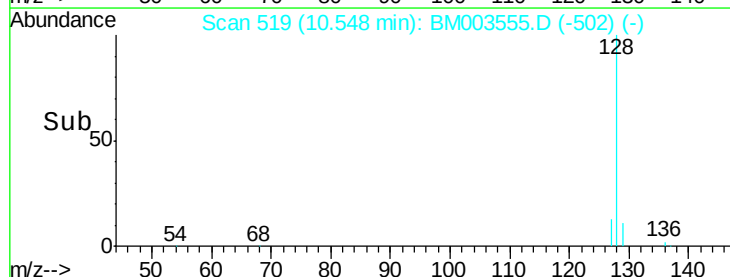
Abundance Ion 128.00 (127.70 to 128.70): BM003555.D (-505) (-)

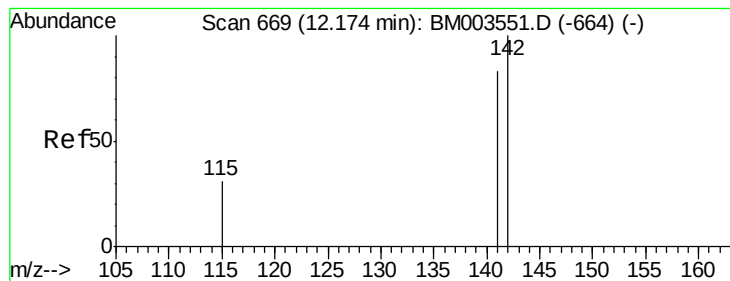
Ion 129.00 (128.70 to 129.70): BM003555.D (-505) (-)

Ion 127.00 (126.70 to 127.70): BM003555.D (-505) (-)



Time-->





#7

2-Methylnaphthalene

Concen: 0.40 ng/ul

RT: 12.17 min Scan# 669

Delta R.T. -0.00 min

Lab File: BM003555.D

Acq: 15 Dec 2015 19:05

Instrument :

BNA_M

ClientSampleId :

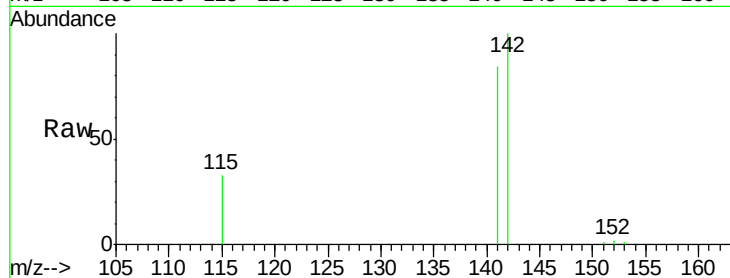
SSTD0.453

Tgt Ion:142 Resp: 11696

Ion Ratio Lower Upper

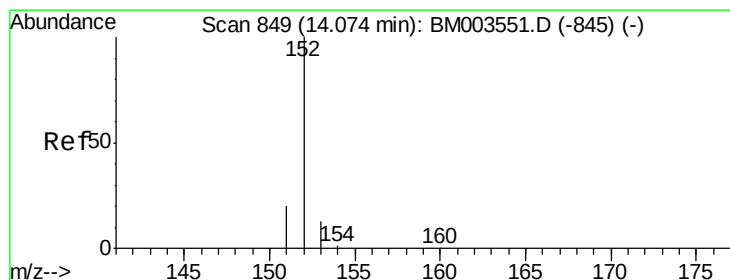
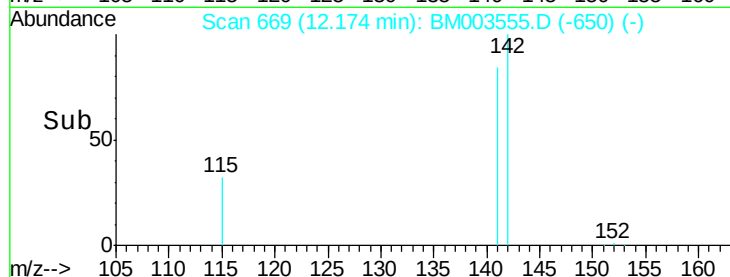
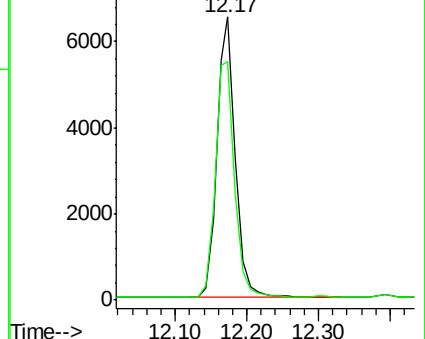
142 100

141 89.2 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: 0.40 ng/ul

RT: 14.07 min Scan# 849

Delta R.T. -0.00 min

Lab File: BM003555.D

Acq: 15 Dec 2015 19:05

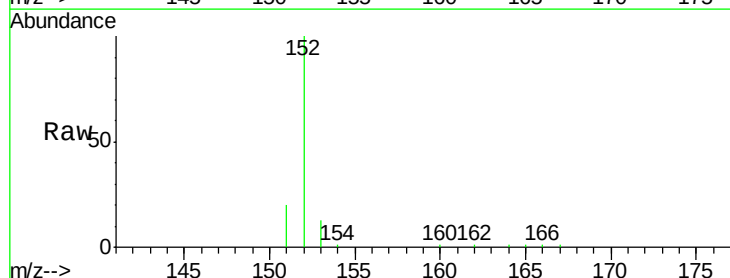
Tgt Ion:152 Resp: 14357

Ion Ratio Lower Upper

152 100

151 20.1 17.6 26.4

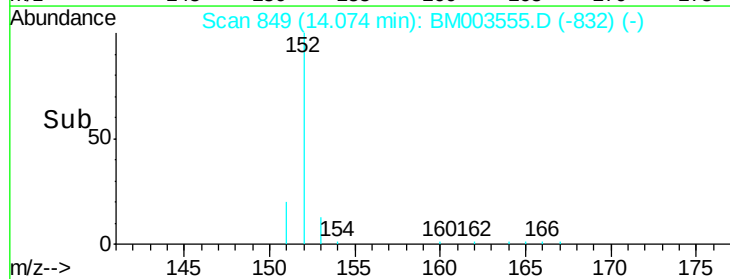
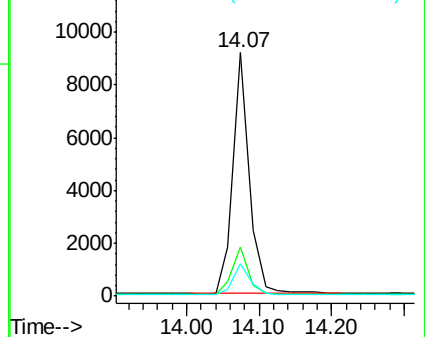
153 13.5 9.7 14.5

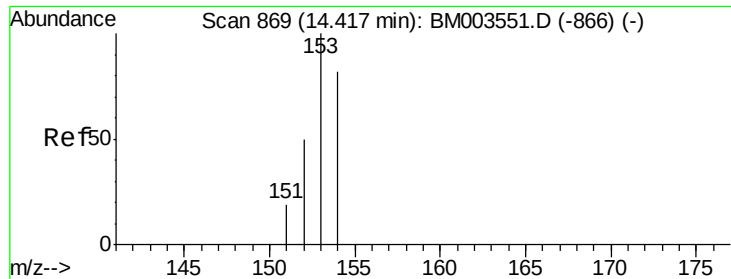


Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E





#10

Acenaphthene

Concen: 0.41 ng/ul

RT: 14.42 min Scan# 869

Delta R.T. -0.00 min

Lab File: BM003555.D

Acq: 15 Dec 2015 19:05

Instrument :

BNA_M

ClientSampleId :

SSTD0.453

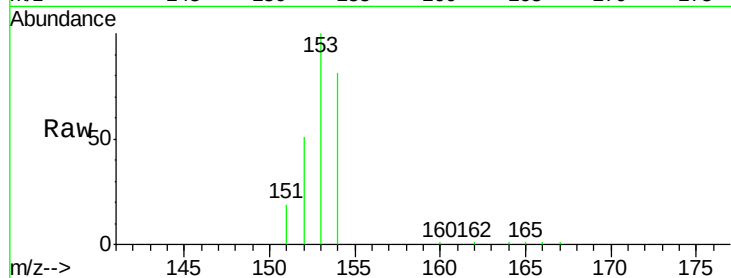
Tgt Ion:153 Resp: 12136

Ion Ratio Lower Upper

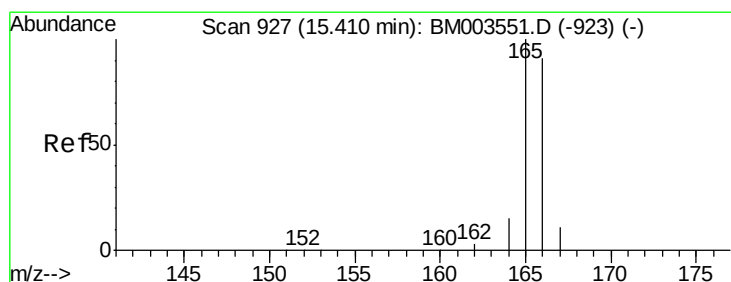
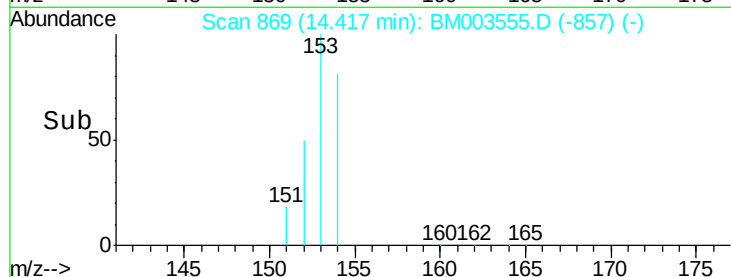
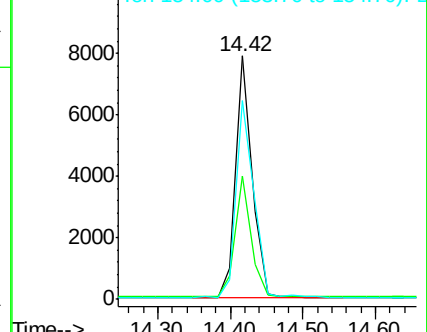
153 100

152 50.7 33.9 50.9

154 81.4 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: 0.40 ng/ul

RT: 15.41 min Scan# 927

Delta R.T. -0.00 min

Lab File: BM003555.D

Acq: 15 Dec 2015 19:05

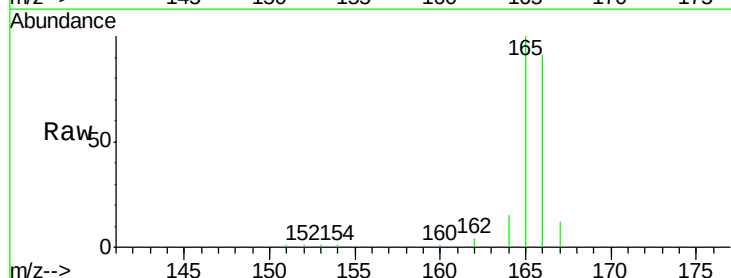
Tgt Ion:166 Resp: 13104

Ion Ratio Lower Upper

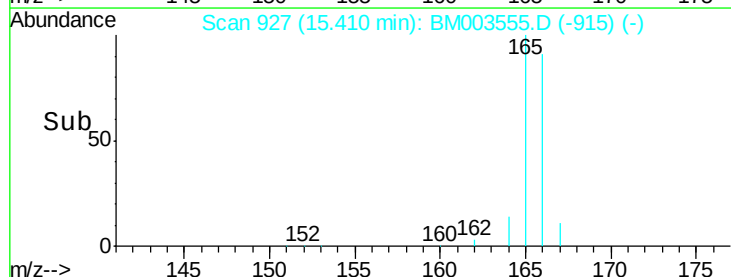
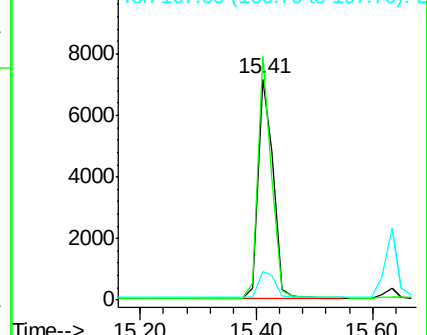
166 100

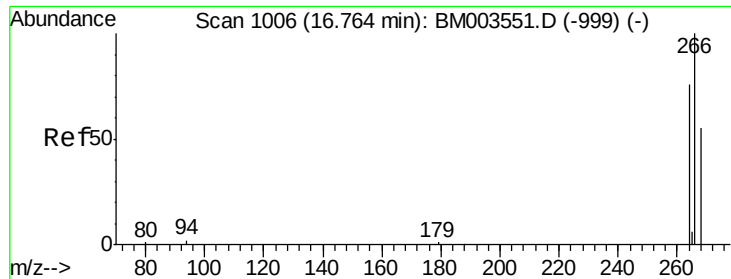
165 110.3 69.6 104.4#

167 13.0 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

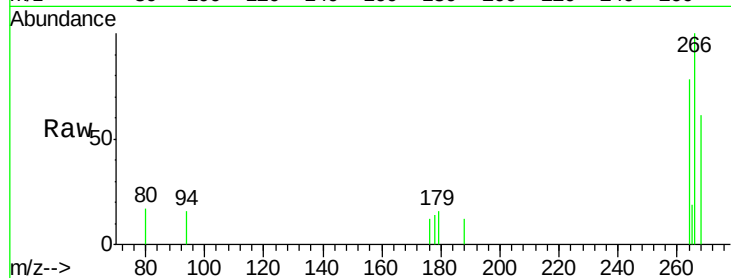




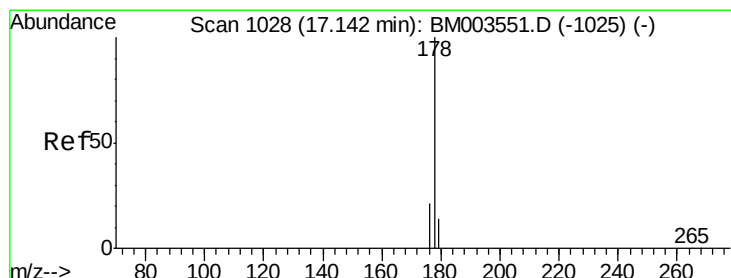
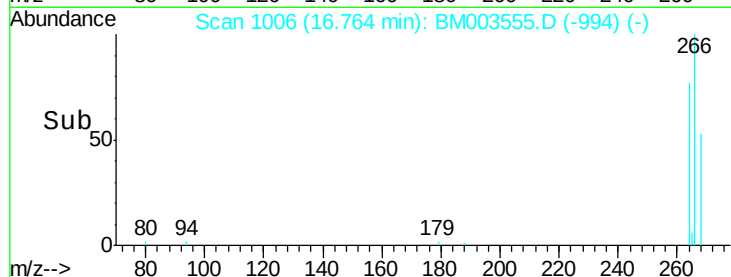
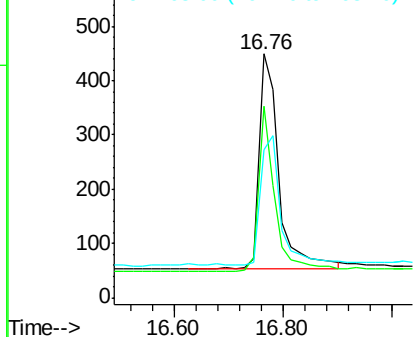
#13
 Pentachlorophenol
 Concen: 0.36 ng/ul
 RT: 16.76 min Scan# 1006
 Delta R.T. -0.00 min
 Lab File: BM003555.D
 Acq: 15 Dec 2015 19:05

Instrument :
 BNA_M
 ClientSampleId :
 SST0.453

Tgt Ion: 266 Resp: 994
 Ion Ratio Lower Upper
 266 100
 264 62.7 51.8 77.8
 268 60.6 46.8 70.2

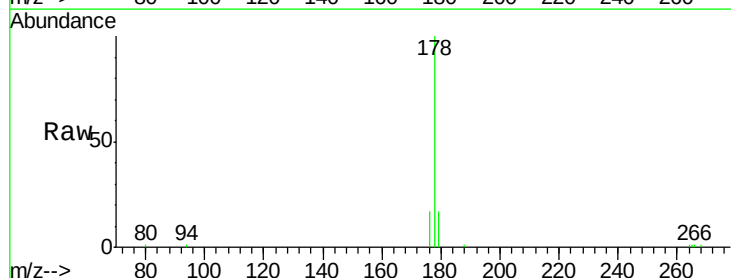


Abundance Ion 266.00 (265.70 to 266.70): E
 Ion 264.00 (263.70 to 264.70): E
 Ion 268.00 (267.70 to 268.70): E

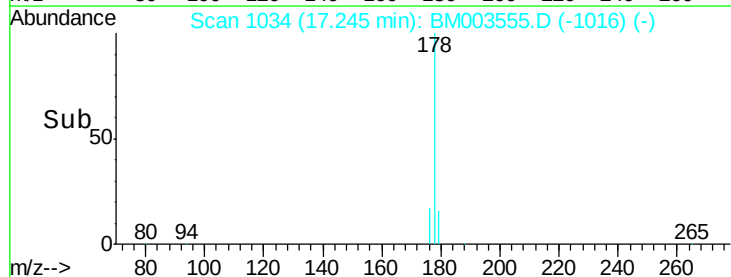
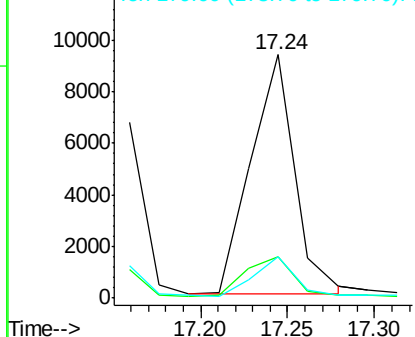


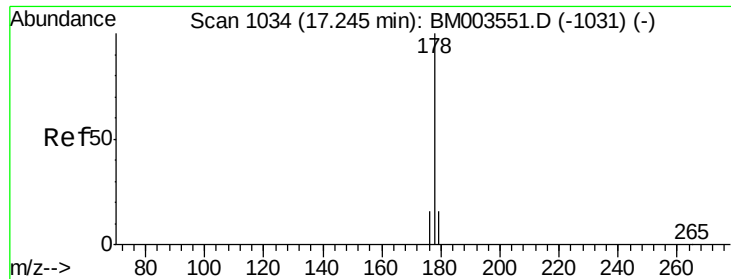
#14
 Phenanthrene
 Concen: 0.32 ng/ul
 RT: 17.24 min Scan# 1034
 Delta R.T. 0.10 min
 Lab File: BM003555.D
 Acq: 15 Dec 2015 19:05

Tgt Ion: 178 Resp: 16218
 Ion Ratio Lower Upper
 178 100
 176 17.3 13.0 19.4
 179 17.1 14.2 21.2



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

Anthracene

Concen: 0.40 ng/ul

RT: 17.24 min Scan# 1034

Delta R.T. -0.00 min

Lab File: BM003555.D

Acq: 15 Dec 2015 19:05

Instrument :

BNA_M

ClientSampleId :

SSTD0.453

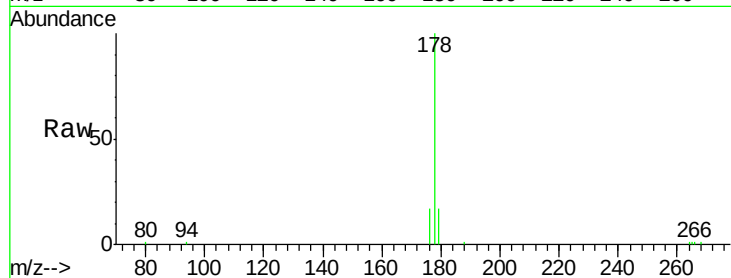
Tgt Ion:178 Resp: 17138

Ion Ratio Lower Upper

178 100

176 17.3 14.0 21.0

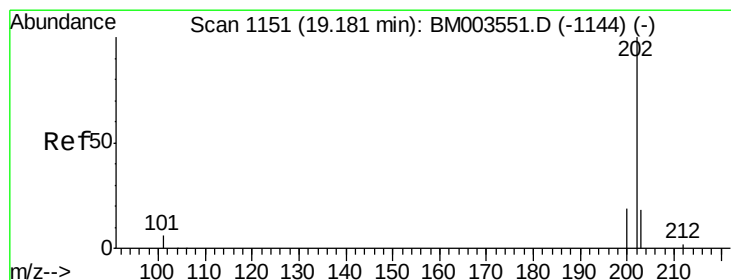
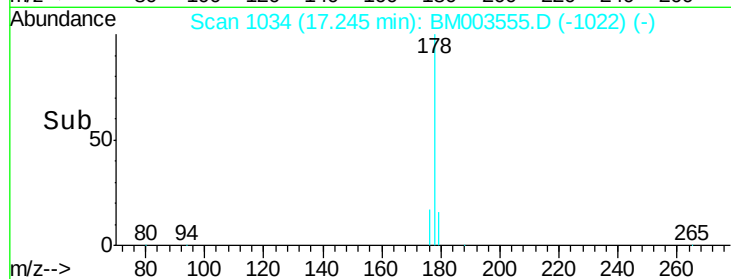
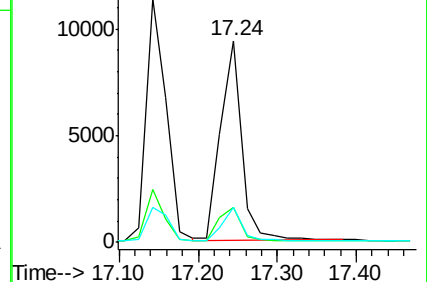
179 17.1 12.9 19.3



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: 0.41 ng/ul

RT: 19.17 min Scan# 1150

Delta R.T. -0.01 min

Lab File: BM003555.D

Acq: 15 Dec 2015 19:05

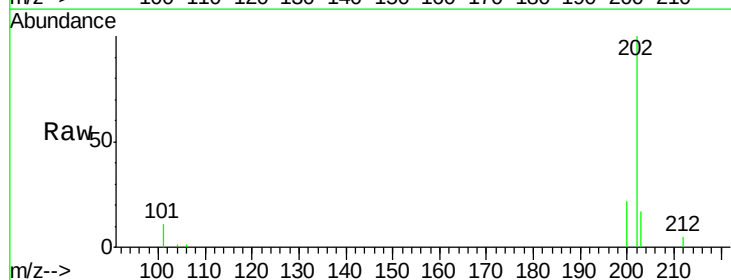
Tgt Ion:202 Resp: 22039

Ion Ratio Lower Upper

202 100

101 11.2 0.0 29.6

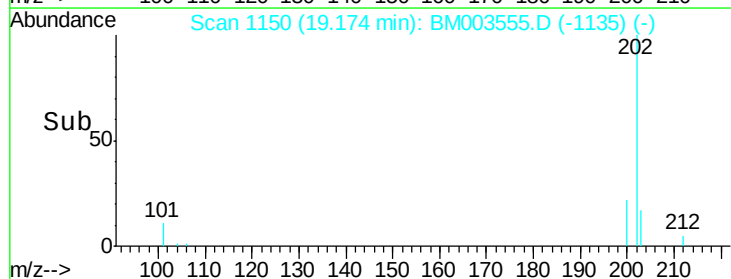
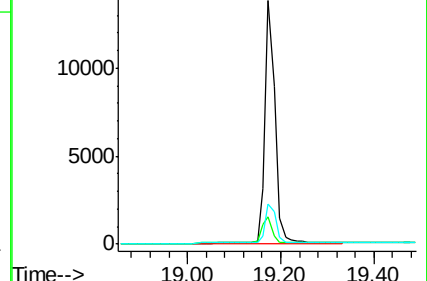
203 16.5 0.0 36.3

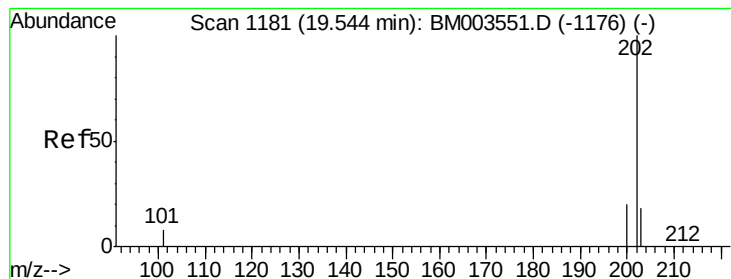


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E





#19

Pyrene

Concen: 0.41 ng/ul

RT: 19.54 min Scan# 1180

Delta R.T. -0.01 min

Lab File: BM003555.D

Acq: 15 Dec 2015 19:05

Instrument :

BNA_M

ClientSampleId :

SSTD0.453

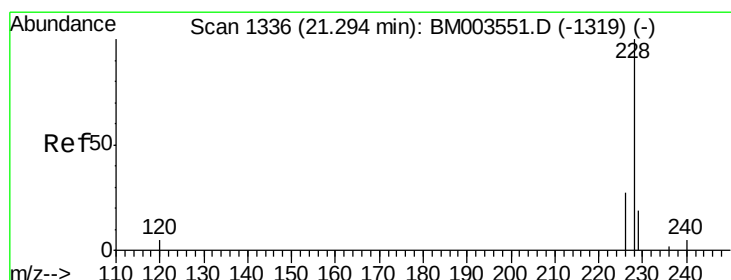
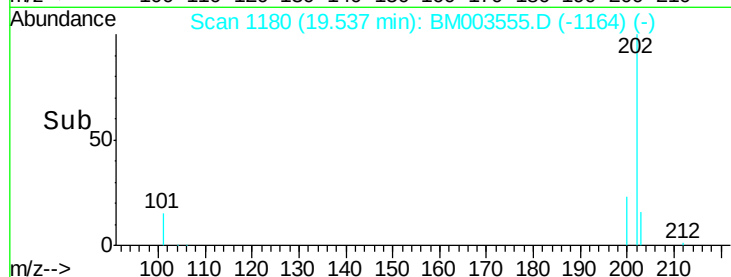
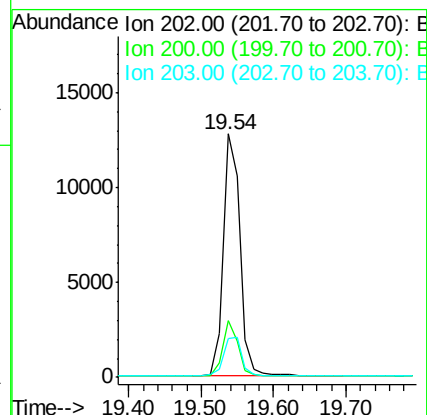
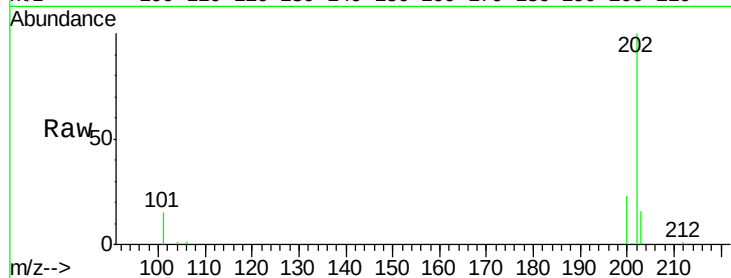
Tgt Ion:202 Resp: 20775

Ion Ratio Lower Upper

202 100

200 23.3 17.8 26.8

203 16.2 12.8 19.2



#20

Benzo(a)anthracene

Concen: 0.37 ng/ul

RT: 21.30 min Scan# 1336

Delta R.T. 0.00 min

Lab File: BM003555.D

Acq: 15 Dec 2015 19:05

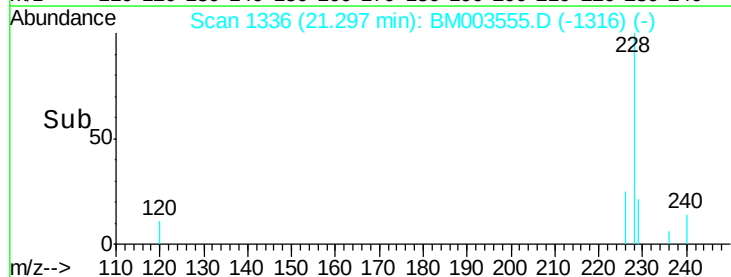
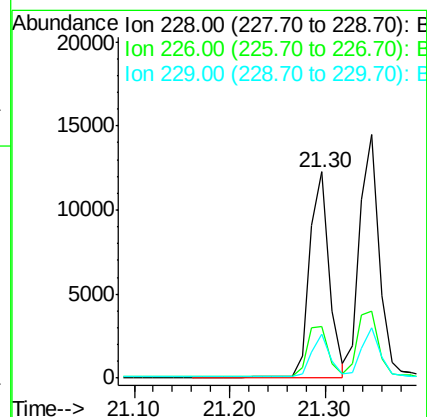
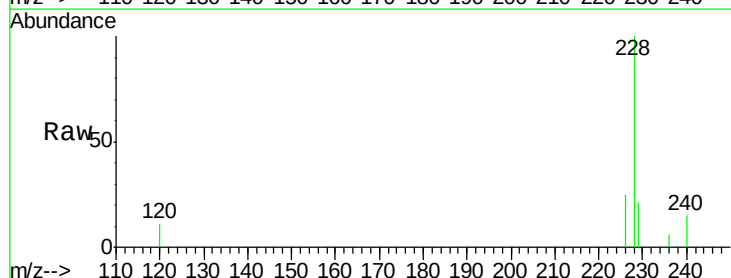
Tgt Ion:228 Resp: 17127

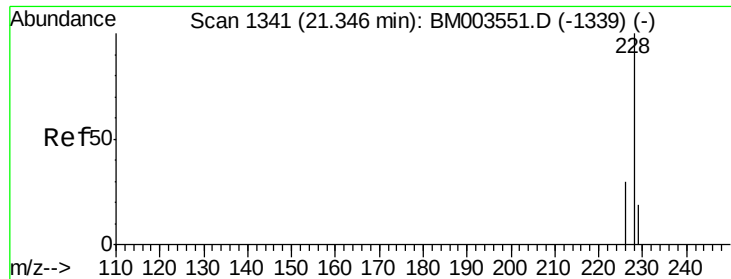
Ion Ratio Lower Upper

228 100

226 25.2 18.8 28.2

229 21.1 17.1 25.7





#21

Chrysene

Concen: 0.40 ng/ul

RT: 21.35 min Scan# 1341

Delta R.T. 0.00 min

Lab File: BM003555.D

Acq: 15 Dec 2015 19:05

Instrument :

BNA_M

ClientSampleId :

SSTD0.453

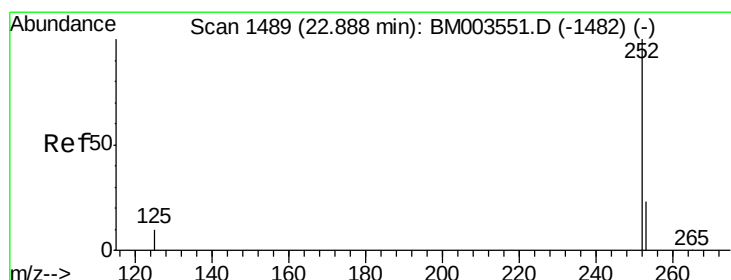
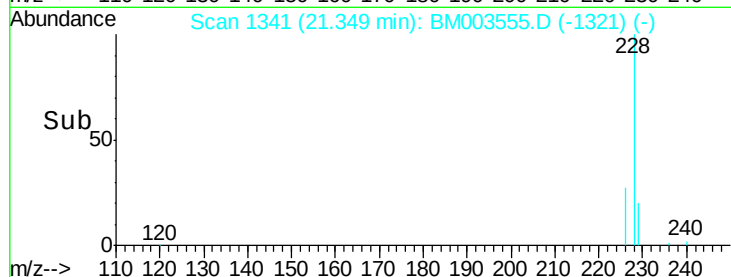
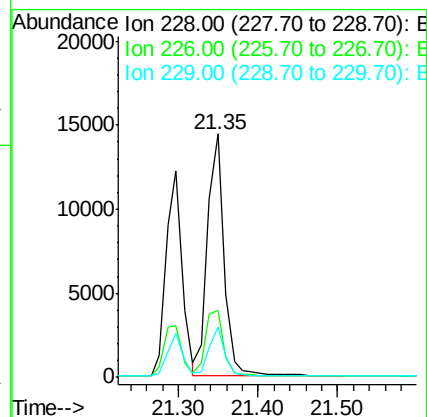
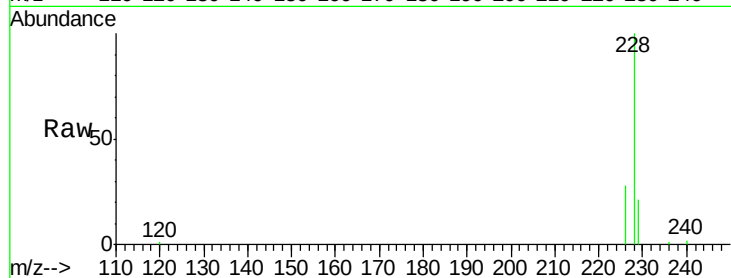
Tgt Ion:228 Resp: 21005

Ion Ratio Lower Upper

228 100

226 27.7 21.2 31.8

229 20.8 17.0 25.6



#23

Benzo(b)fluoranthene

Concen: 0.38 ng/ul

RT: 22.88 min Scan# 1488

Delta R.T. -0.01 min

Lab File: BM003555.D

Acq: 15 Dec 2015 19:05

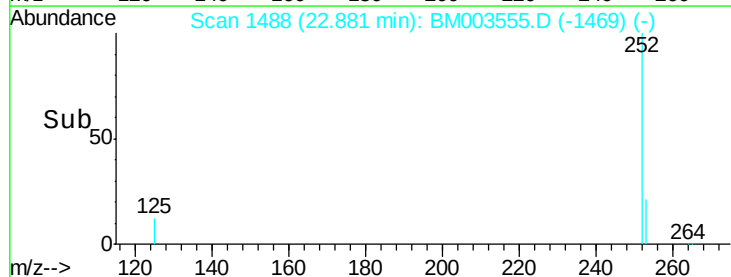
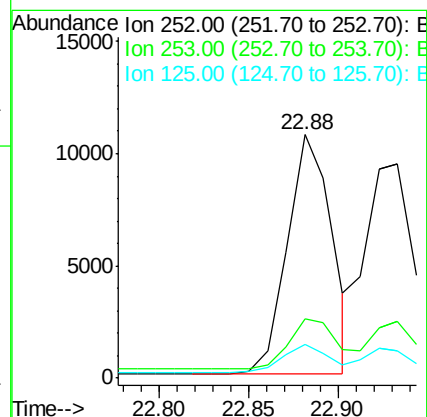
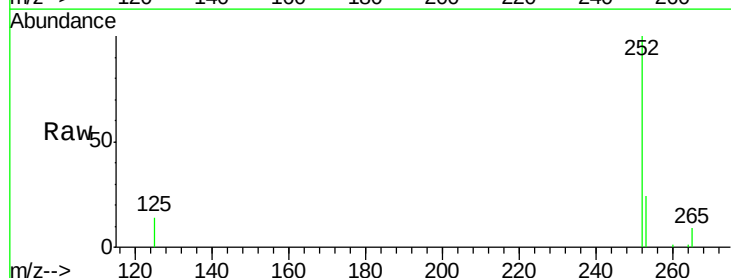
Tgt Ion:252 Resp: 18434

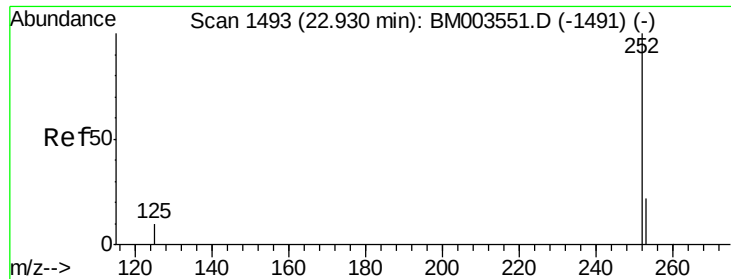
Ion Ratio Lower Upper

252 100

253 24.1 0.0 45.4

125 14.0 0.0 28.8





#24

Benzo(k)fluoranthene

Concen: 0.42 ng/ul

RT: 22.93 min Scan# 1493

Delta R.T. 0.00 min

Lab File: BM003555.D

Acq: 15 Dec 2015 19:05

Instrument :

BNA_M

ClientSampleId :

SSTD0.453

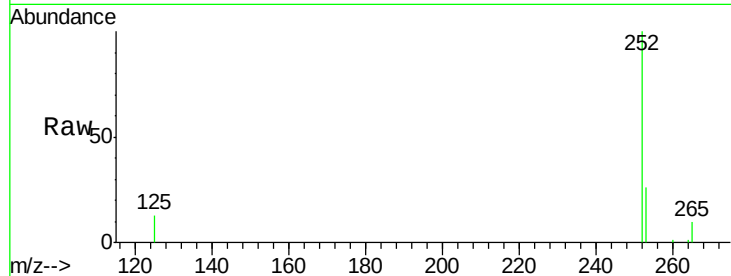
Tgt Ion:252 Resp: 18581

Ion Ratio Lower Upper

252 100

253 26.4 19.8 29.8

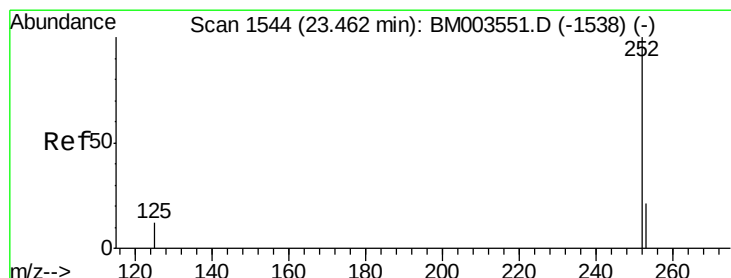
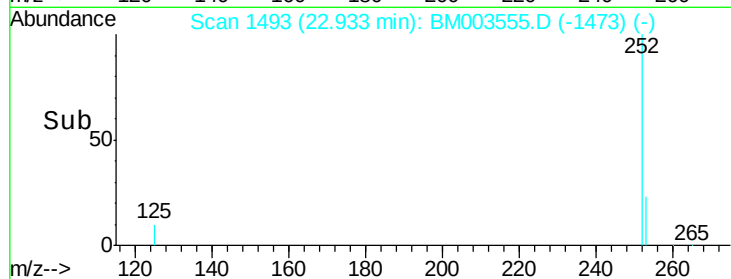
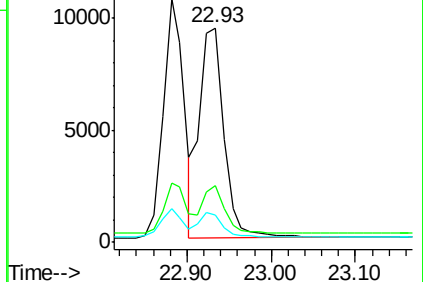
125 12.7 10.4 15.6



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: 0.41 ng/ul

RT: 23.46 min Scan# 1544

Delta R.T. 0.00 min

Lab File: BM003555.D

Acq: 15 Dec 2015 19:05

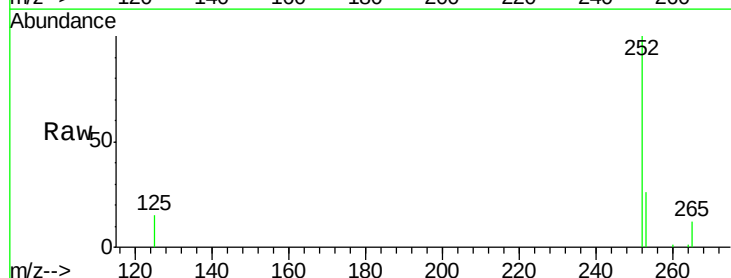
Tgt Ion:252 Resp: 16788

Ion Ratio Lower Upper

252 100

253 26.5 19.4 29.2

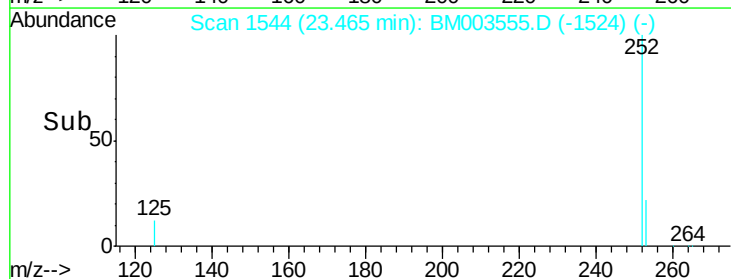
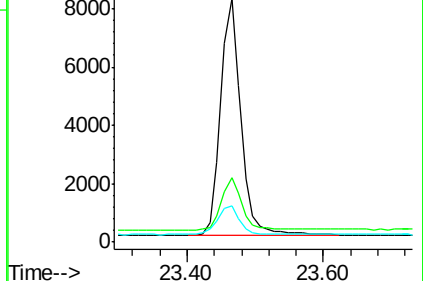
125 14.7 12.7 19.1

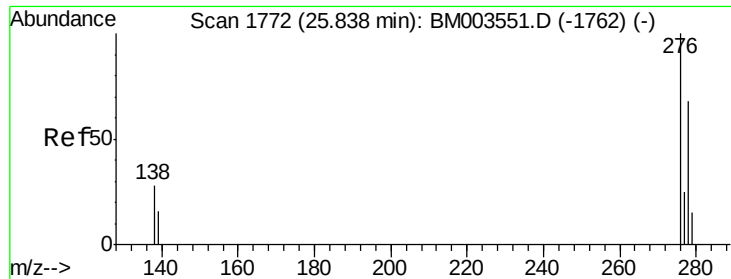


Abundance Ion 252.00 (251.70 to 252.70): E

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: 0.42 ng/ul

RT: 25.84 min Scan# 1772

Delta R.T. 0.00 min

Lab File: BM003555.D

Acq: 15 Dec 2015 19:05

Instrument :

BNA_M

ClientSampleId :

SSTD0.453

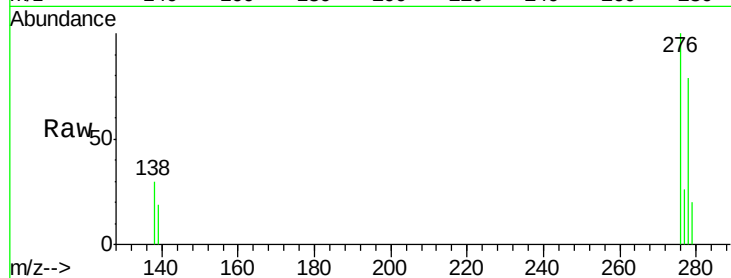
Tgt Ion:276 Resp: 20087

Ion Ratio Lower Upper

276 100

138 29.6 16.3 24.5#

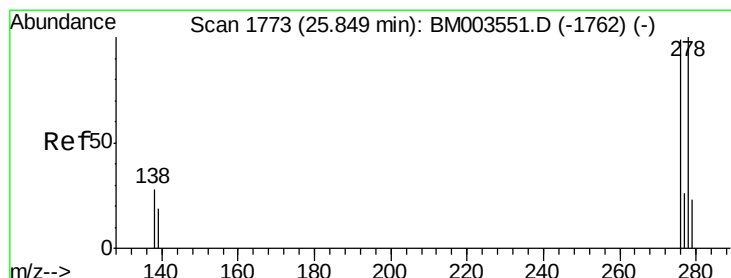
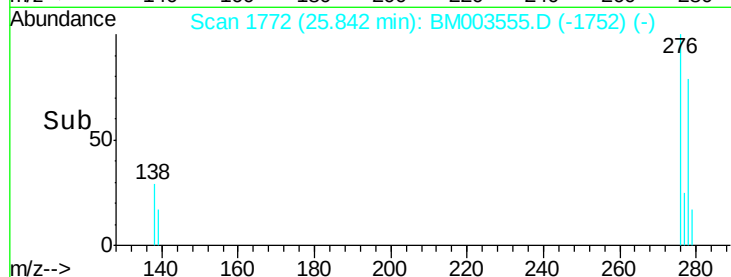
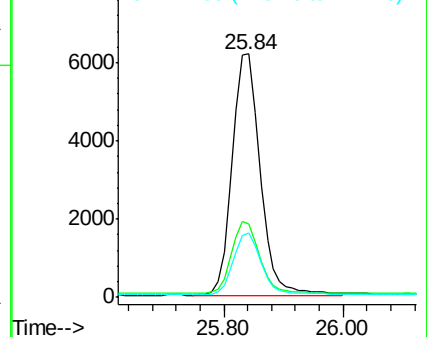
277 25.1 19.8 29.8



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: 0.43 ng/ul

RT: 25.85 min Scan# 1773

Delta R.T. 0.00 min

Lab File: BM003555.D

Acq: 15 Dec 2015 19:05

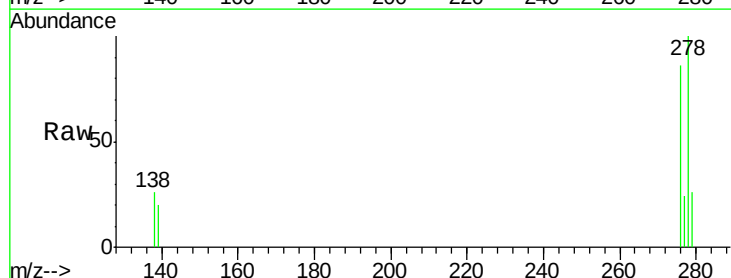
Tgt Ion:278 Resp: 16309

Ion Ratio Lower Upper

278 100

139 20.5 16.4 24.6

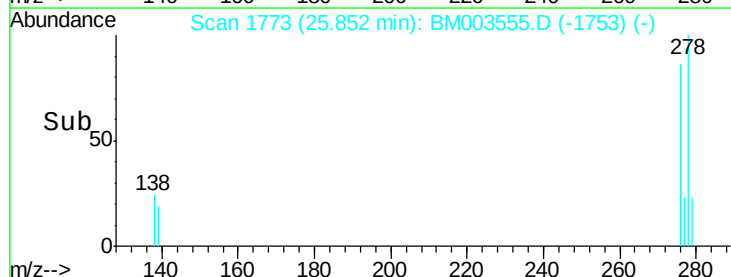
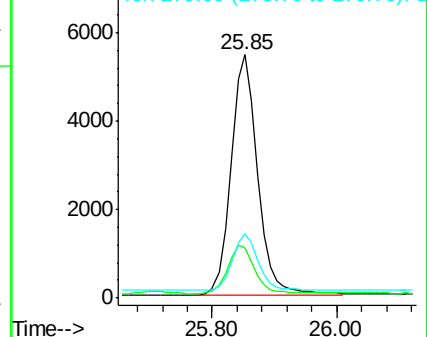
279 26.3 20.2 30.2

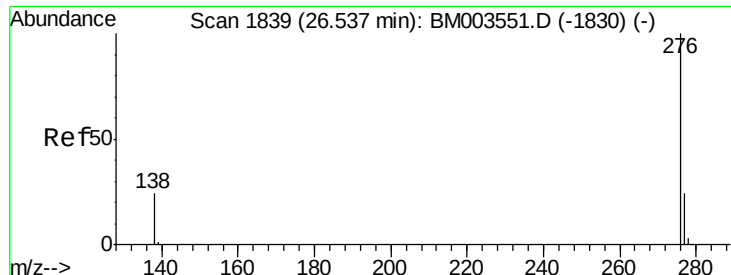


Abundance Ion 278.00 (277.70 to 278.70): E

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: 0.43 ng/ul

RT: 26.53 min Scan# 1838

Delta R.T. -0.01 min

Lab File: BM003555.D

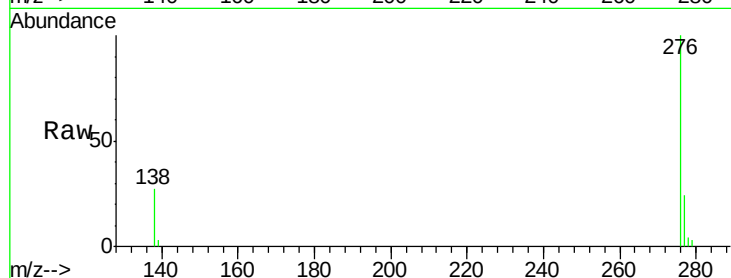
Acq: 15 Dec 2015 19:05

Instrument :

BNA_M

ClientSampleId :

SSTD0.453



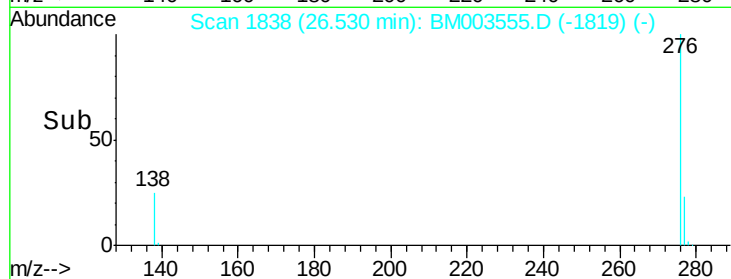
Tgt Ion: 276 Resp: 17597

Ion Ratio Lower Upper

276 100

277 24.4 18.9 28.3

138 26.8 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

