

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM022715\
 Data File : BM000615.D
 Acq On : 27 Feb 2015 20:20
 Operator : TP/IZ
 Sample : SSTD00136
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_M
 LabSampleId :
 SSTD00136

Quant Time: Feb 27 22:51:17 2015
 Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM01.2-EPA-SIM-BM022715.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Feb 27 22:41:08 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.67	152	3142	0.40	ng/ul	0.00
4) Naphthalene-d8	10.46	136	10934	0.40	ng/ul	0.00
8) Acenaphthene-d10	14.31	164	5606	0.40	ng/ul	0.00
12) Phenanthrene-d10	17.07	188	11641	0.40	ng/ul	0.00
18) Chrysene-d12	21.26	240	8589	0.40	ng/ul	0.01
22) Perylene-d12	23.46	264	6928	0.40	ng/ul	0.00

System Monitoring Compounds						
2) 1,4-Dioxane-d8	3.14	96	14565	6.70	ng/uL	0.00
6) 2-Methylnaphthalene-d10	12.04	152	13073	0.99	ng/ul	0.00
16) Fluoranthene-d10	19.09	212	20793	1.02	ng/ul	0.00

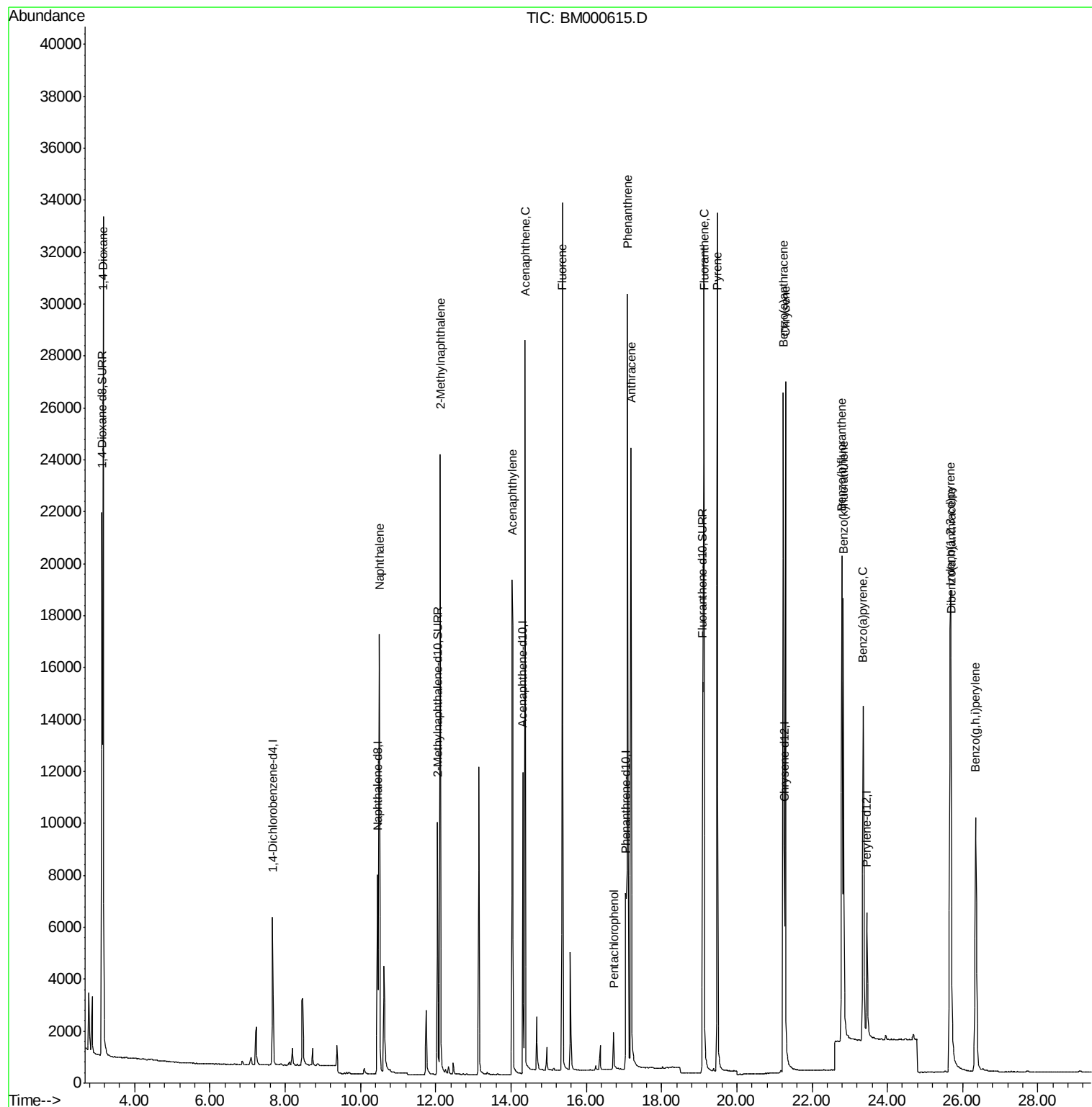
Target Compounds				Qvalue		
3) 1,4-Dioxane	3.17	88	20602	5.63	ng/ul	91
5) Naphthalene	10.50	128	26168	0.96	ng/ul	99
7) 2-Methylnaphthalene	12.12	142	18070	1.00	ng/ul	99
9) Acenaphthylene	14.03	152	24828	1.10	ng/ul	99
10) Acenaphthene	14.38	153	18985	1.09	ng/ul	99
11) Fluorene	15.36	166	21967	1.11	ng/ul	100
13) Pentachlorophenol	16.72	266	1539	1.02	ng/ul	93
14) Phenanthrene	17.10	178	32404	0.99	ng/ul	99
15) Anthracene	17.19	178	29035	1.01	ng/ul	99
17) Fluoranthene	19.12	202	33709	1.03	ng/ul	99
19) Pyrene	19.49	202	33410	0.91	ng/ul	99
20) Benzo(a)anthracene	21.24	228	24196	1.00	ng/ul	91
21) Chrysene	21.29	228	27304	0.96	ng/ul	91
23) Benzo(b)fluoranthene	22.79	252	23615	0.99	ng/ul	96
24) Benzo(k)fluoranthene	22.83	252	24587	1.01	ng/ul	96
25) Benzo(a)pyrene	23.35	252	22150	1.01	ng/ul	95
26) Indeno(1,2,3-cd)pyrene	25.67	276	24900	1.01	ng/ul	99
27) Dibenzo(a,h)anthracene	25.69	278	19749	1.03	ng/ul	97
28) Benzo(g,h,i)perylene	26.35	276	21487	0.99	ng/ul	98

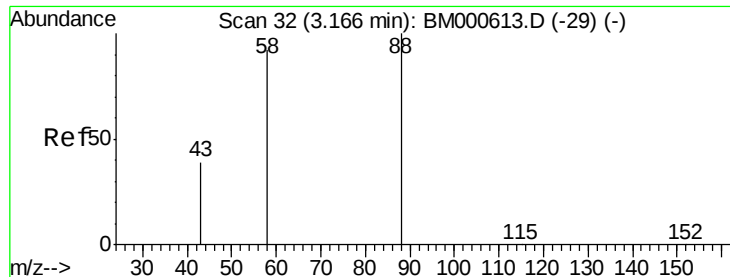
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

1,4-Dioxane

Concen: 5.63 ng/ul

RT: 3.17 min Scan# 32

Delta R.T. -0.00 min

Lab File: BM000615.D

Acq: 27 Feb 2015 20:20

Instrument :

BNA_M

LabSampleId :

SSTD00136

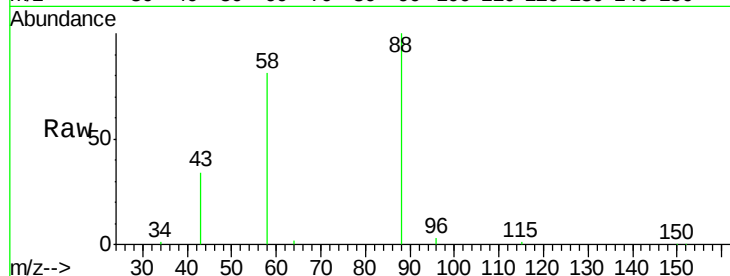
Tgt Ion: 88 Resp: 20602

Ion Ratio Lower Upper

88 100

58 86.7 62.7 94.1

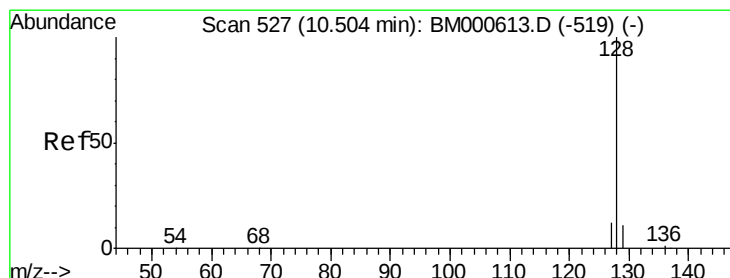
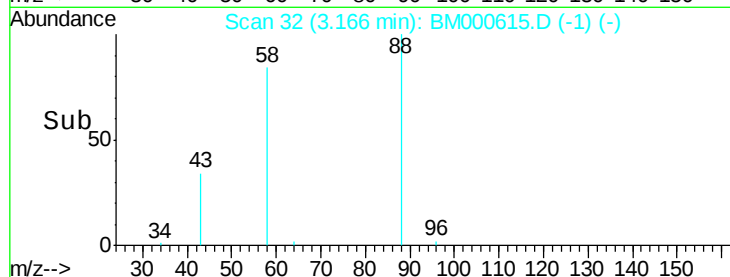
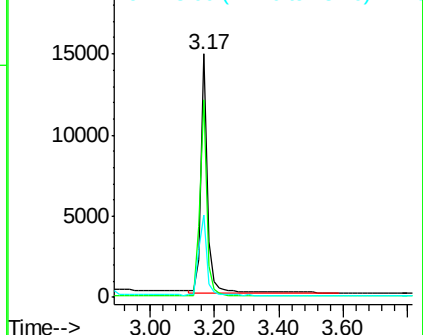
43 40.0 28.8 43.2



Abundance Ion 88.00 (87.70 to 88.70): BM000615.D (-29) (-)

Ion 58.00 (57.70 to 58.70): BM000615.D (-29) (-)

Ion 43.00 (42.70 to 43.70): BM000615.D (-29) (-)



#5

Naphthalene

Concen: 0.96 ng/ul

RT: 10.50 min Scan# 527

Delta R.T. -0.00 min

Lab File: BM000615.D

Acq: 27 Feb 2015 20:20

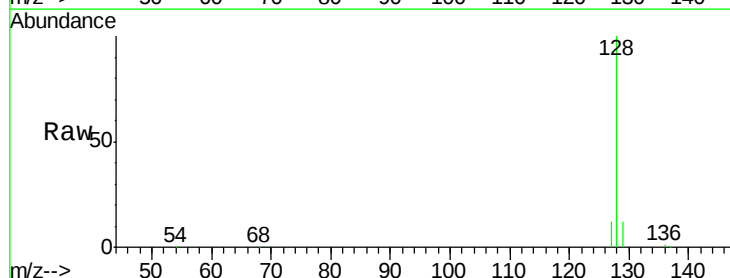
Tgt Ion: 128 Resp: 26168

Ion Ratio Lower Upper

128 100

129 11.8 9.4 14.0

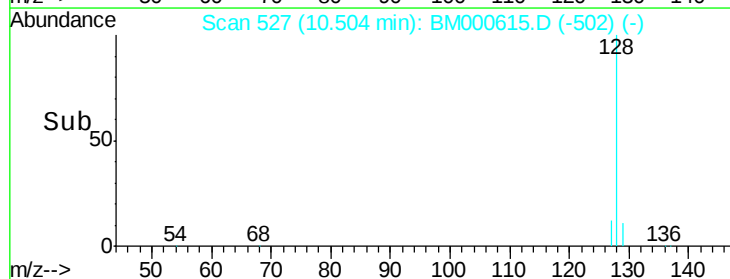
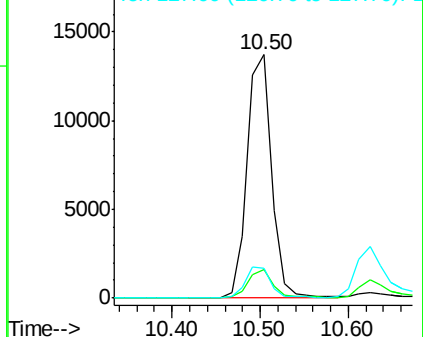
127 12.1 10.0 15.0

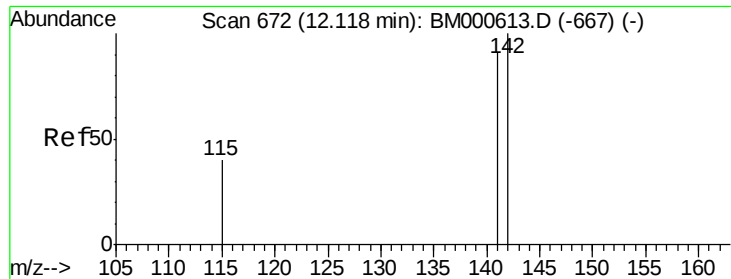


Abundance Ion 128.00 (127.70 to 128.70): BM000615.D (-519) (-)

Ion 129.00 (128.70 to 129.70): BM000615.D (-519) (-)

Ion 127.00 (126.70 to 127.70): BM000615.D (-519) (-)





#7

2-Methylnaphthalene

Concen: 1.00 ng/ul

RT: 12.12 min Scan# 672

Delta R.T. -0.00 min

Lab File: BM000615.D

Acq: 27 Feb 2015 20:20

Instrument :

BNA_M

LabSampleId :

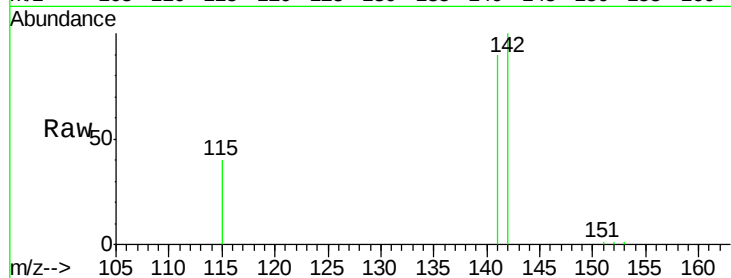
SSTD00136

Tgt Ion:142 Resp: 18070

Ion Ratio Lower Upper

142 100

141 88.2 71.2 106.8



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

12.12

12000

10000

8000

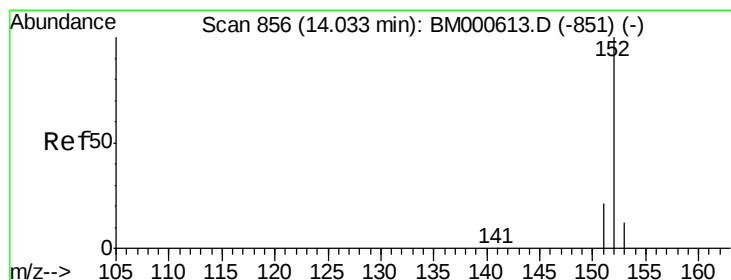
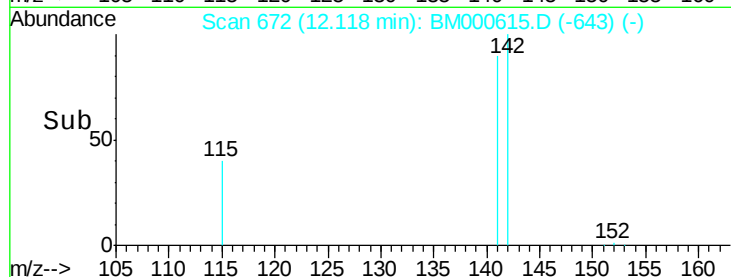
6000

4000

2000

0

Time--> 12.00 12.20



#9

Acenaphthylene

Concen: 1.10 ng/ul

RT: 14.03 min Scan# 856

Delta R.T. -0.00 min

Lab File: BM000615.D

Acq: 27 Feb 2015 20:20

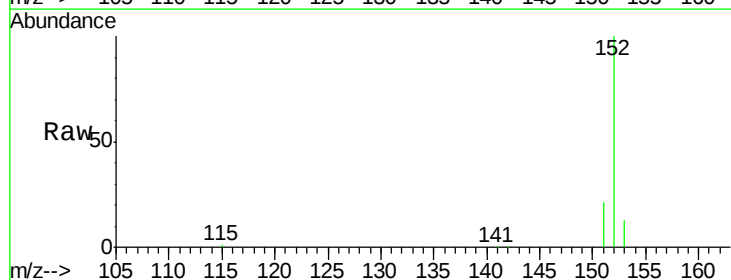
Tgt Ion:152 Resp: 24828

Ion Ratio Lower Upper

152 100

151 20.8 17.0 25.6

153 12.5 9.9 14.9



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

14.03

20000

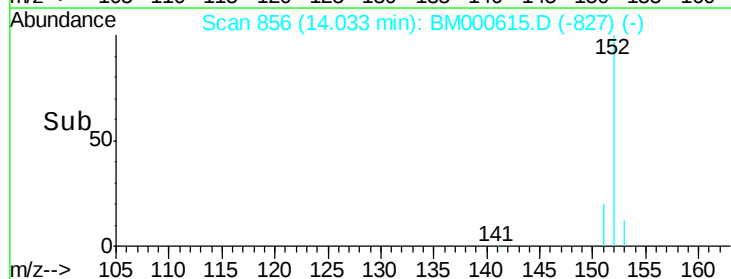
15000

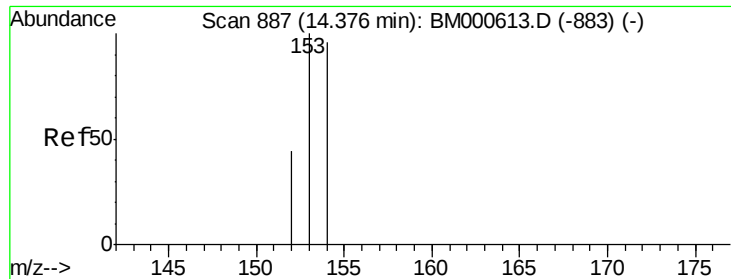
10000

5000

0

Time--> 14.00 14.20





#10

Acenaphthene

Concen: 1.09 ng/ul

RT: 14.38 min Scan# 887

Delta R.T. -0.00 min

Lab File: BM000615.D

Acq: 27 Feb 2015 20:20

Instrument :

BNA_M

LabSampleId :

SSTD00136

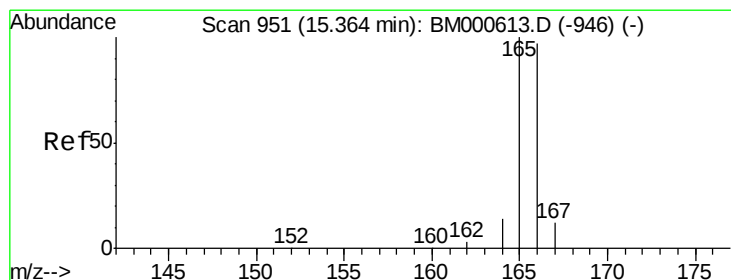
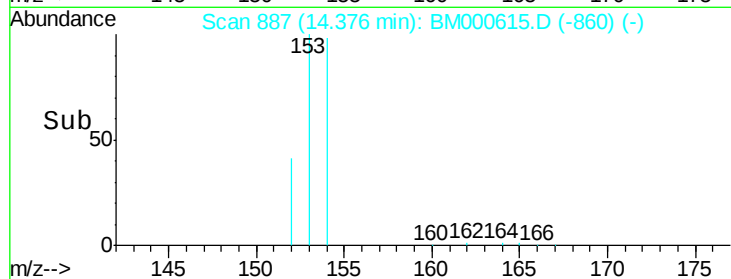
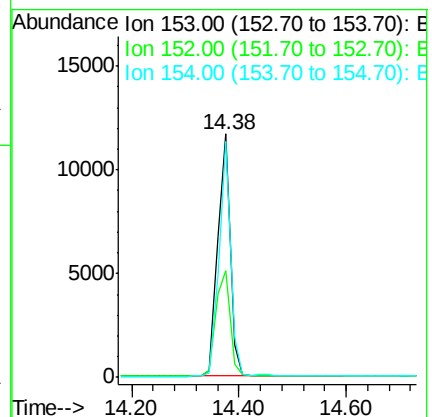
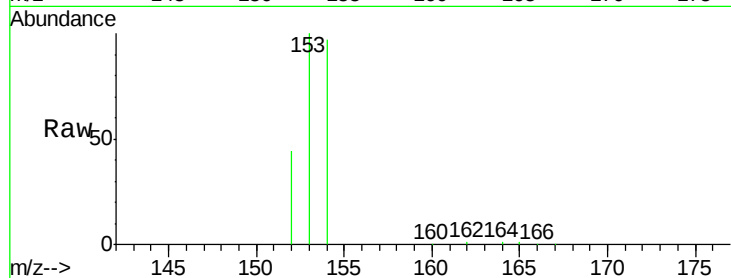
Tgt Ion:153 Resp: 18985

Ion Ratio Lower Upper

153 100

152 43.9 35.9 53.9

154 96.9 76.9 115.3



#11

Fluorene

Concen: 1.11 ng/ul

RT: 15.36 min Scan# 951

Delta R.T. -0.00 min

Lab File: BM000615.D

Acq: 27 Feb 2015 20:20

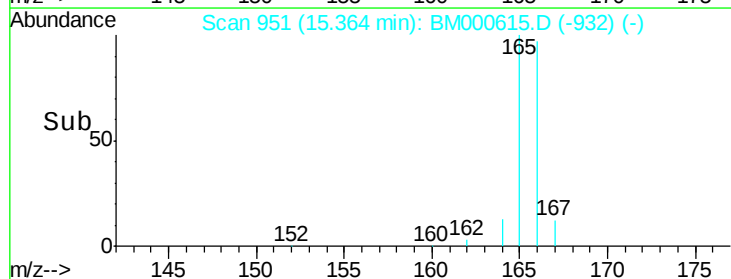
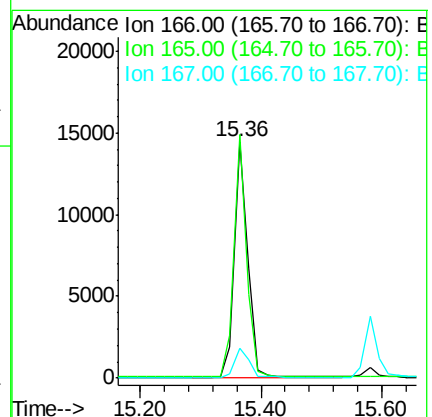
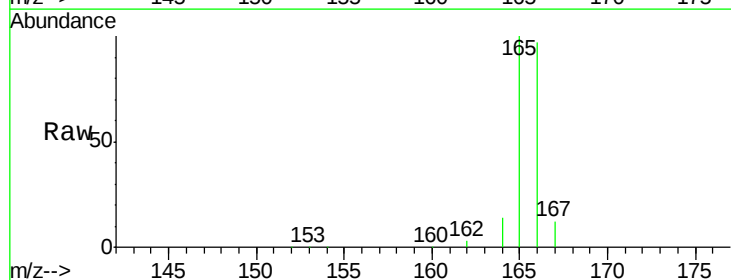
Tgt Ion:166 Resp: 21967

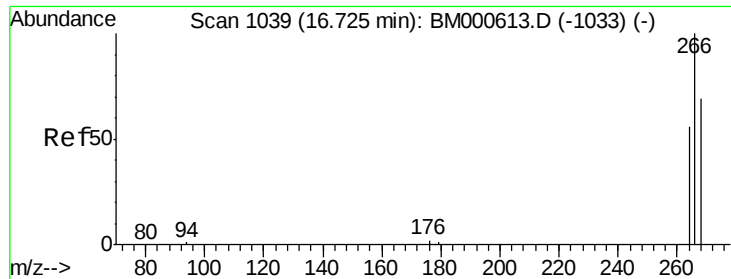
Ion Ratio Lower Upper

166 100

165 103.1 82.5 123.7

167 12.8 10.6 16.0

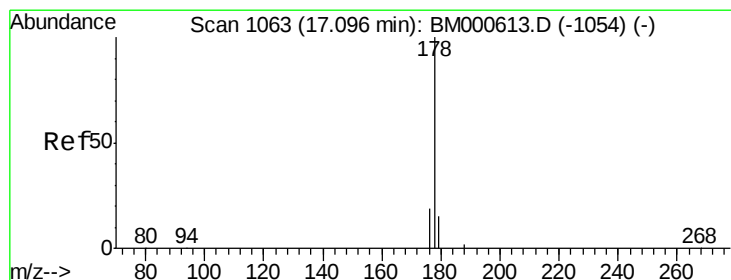
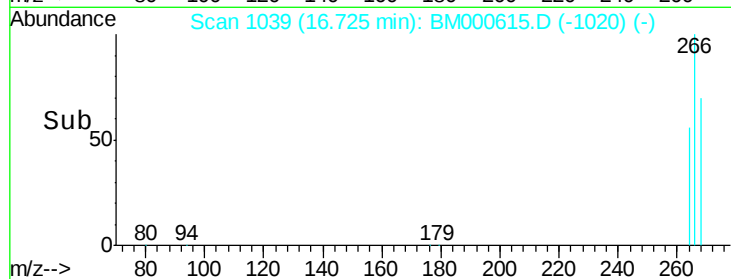
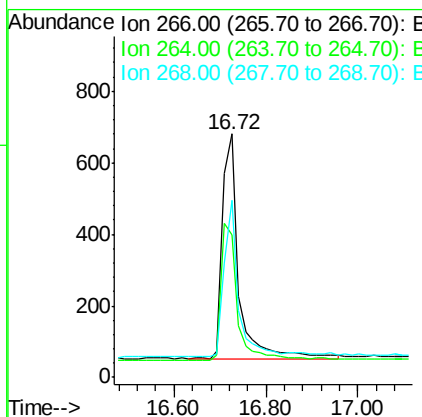
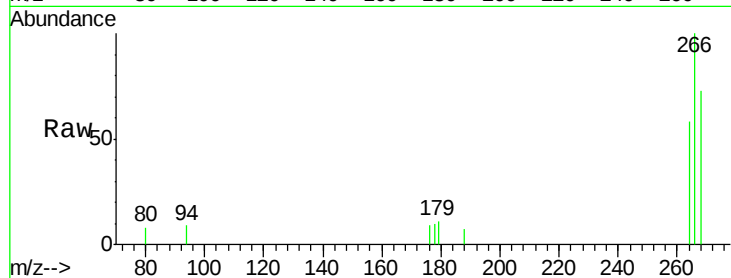




#13
 Pentachlorophenol
 Concen: 1.02 ng/ul
 RT: 16.72 min Scan# 1039
 Delta R.T. -0.00 min
 Lab File: BM000615.D
 Acq: 27 Feb 2015 20:20

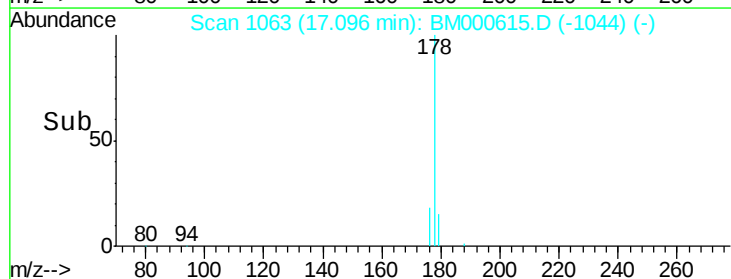
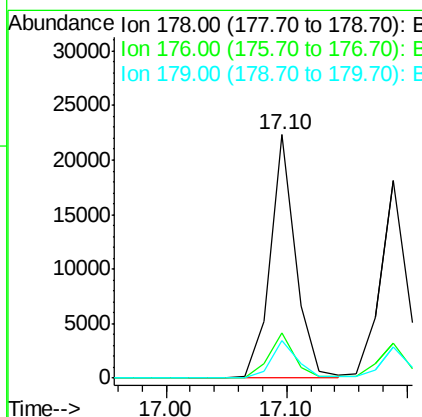
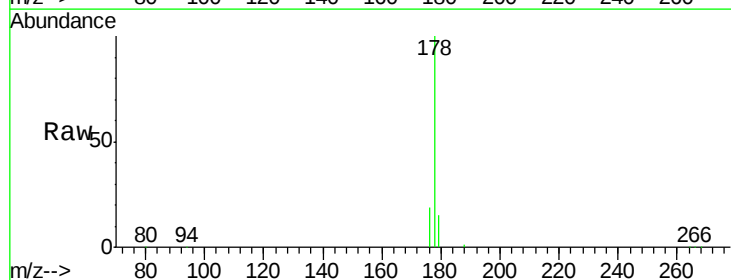
Instrument :
 BNA_M
 LabSampleId :
 SST00136

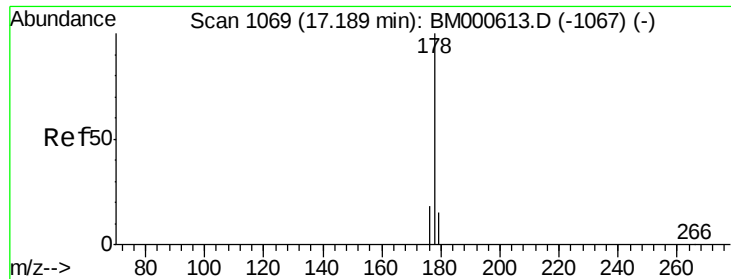
Tgt Ion: 266 Resp: 1539
 Ion Ratio Lower Upper
 266 100
 264 60.7 51.0 76.6
 268 60.5 54.9 82.3



#14
 Phenanthrene
 Concen: 0.99 ng/ul
 RT: 17.10 min Scan# 1063
 Delta R.T. -0.00 min
 Lab File: BM000615.D
 Acq: 27 Feb 2015 20:20

Tgt Ion: 178 Resp: 32404
 Ion Ratio Lower Upper
 178 100
 176 18.7 15.3 22.9
 179 15.3 12.2 18.2





#15

Anthracene

Concen: 1.01 ng/ul

RT: 17.19 min Scan# 1069

Delta R.T. -0.00 min

Lab File: BM000615.D

Acq: 27 Feb 2015 20:20

Instrument :

BNA_M

LabSampleId :

SSTD00136

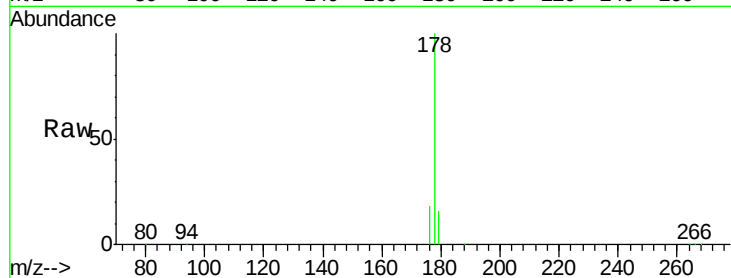
Tgt Ion:178 Resp: 29035

Ion Ratio Lower Upper

178 100

176 17.9 14.6 22.0

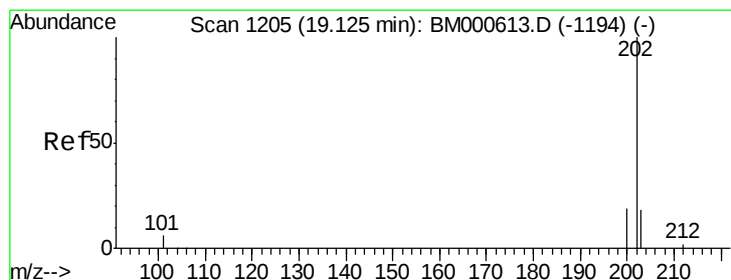
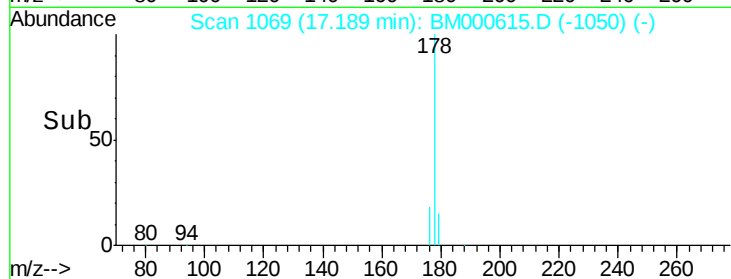
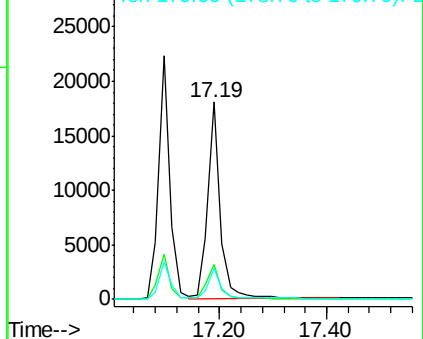
179 15.6 12.9 19.3



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: 1.03 ng/ul

RT: 19.12 min Scan# 1205

Delta R.T. -0.00 min

Lab File: BM000615.D

Acq: 27 Feb 2015 20:20

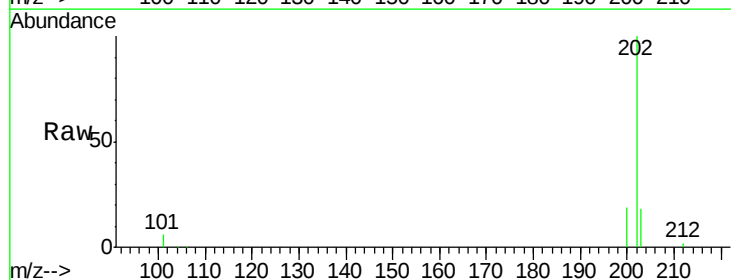
Tgt Ion:202 Resp: 33709

Ion Ratio Lower Upper

202 100

101 5.8 0.0 26.2

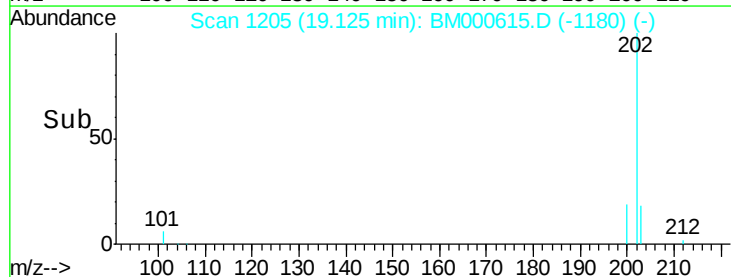
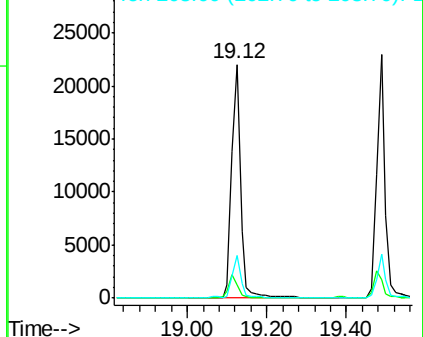
203 18.2 0.0 38.3

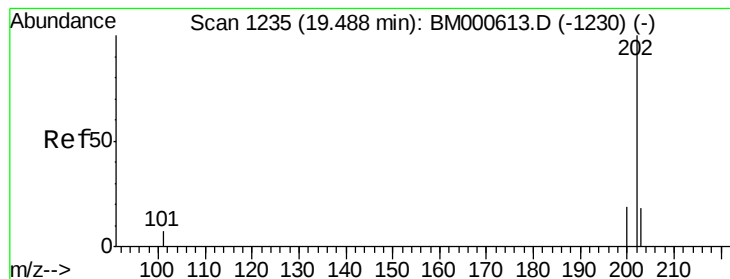


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E





#19

Pyrene

Concen: 0.91 ng/ul

RT: 19.49 min Scan# 1235

Delta R.T. -0.00 min

Lab File: BM000615.D

Acq: 27 Feb 2015 20:20

Instrument :

BNA_M

LabSampleId :

SSTD00136

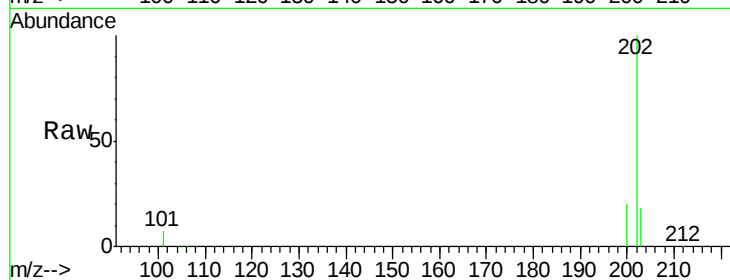
Tgt Ion:202 Resp: 33410

Ion Ratio Lower Upper

202 100

200 19.7 15.7 23.5

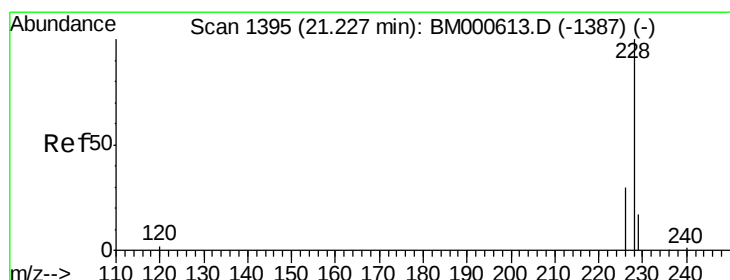
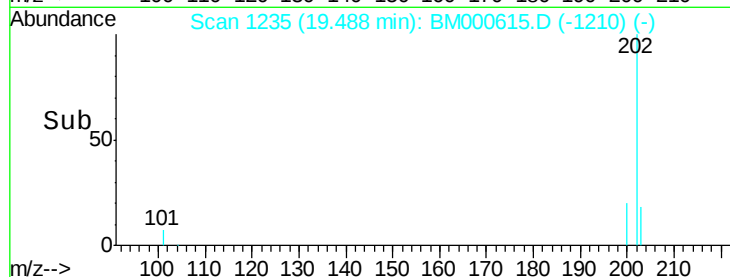
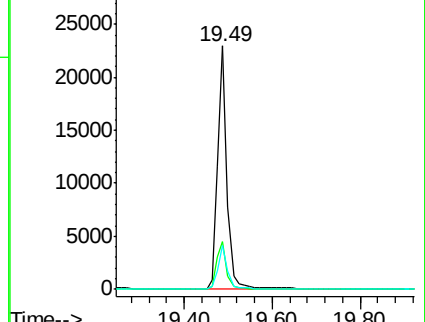
203 17.9 14.8 22.2



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: 1.00 ng/ul

RT: 21.24 min Scan# 1396

Delta R.T. 0.01 min

Lab File: BM000615.D

Acq: 27 Feb 2015 20:20

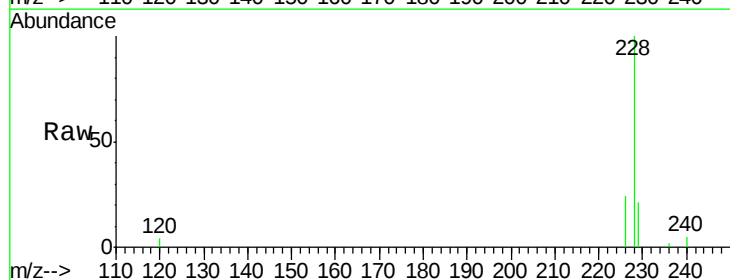
Tgt Ion:228 Resp: 24196

Ion Ratio Lower Upper

228 100

226 24.2 24.1 36.1

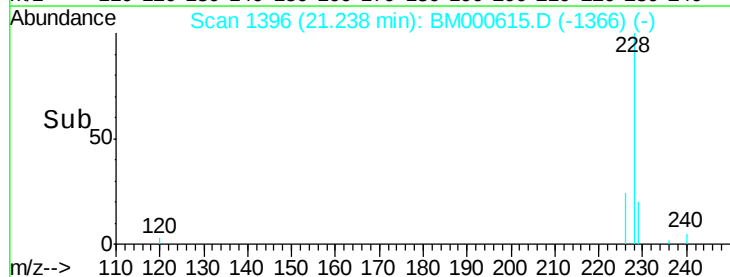
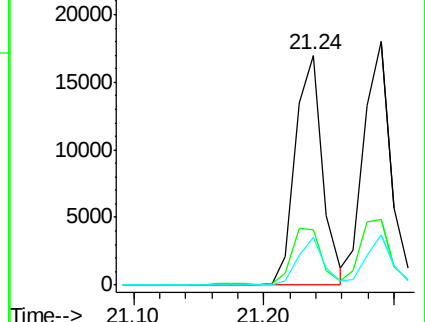
229 20.7 14.2 21.4

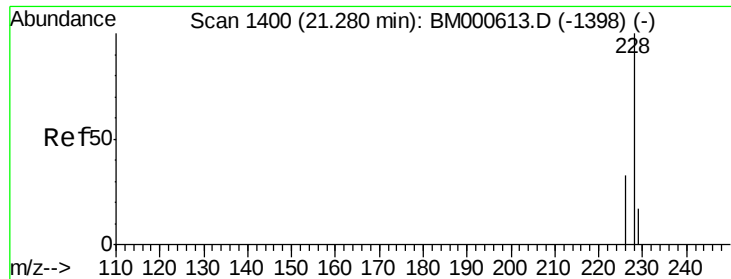


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#21

Chrysene

Concen: 0.96 ng/ul

RT: 21.29 min Scan# 1401

Delta R.T. 0.01 min

Lab File: BM000615.D

Acq: 27 Feb 2015 20:20

Instrument :

BNA_M

LabSampleId :

SSTD00136

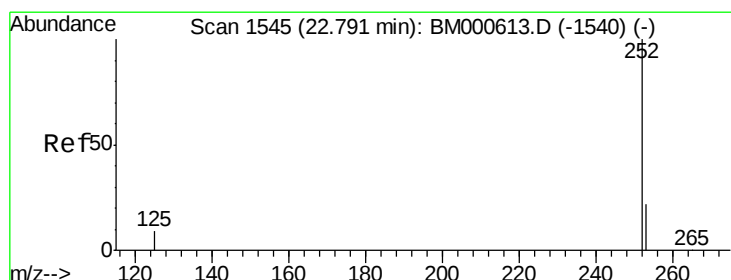
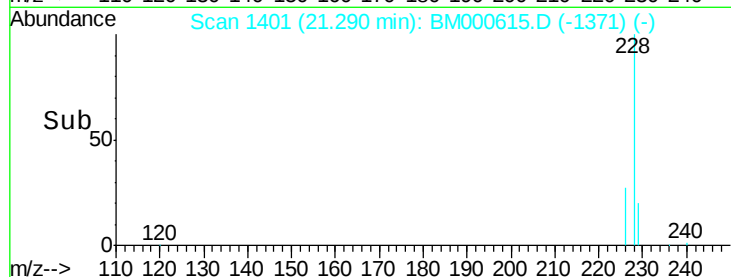
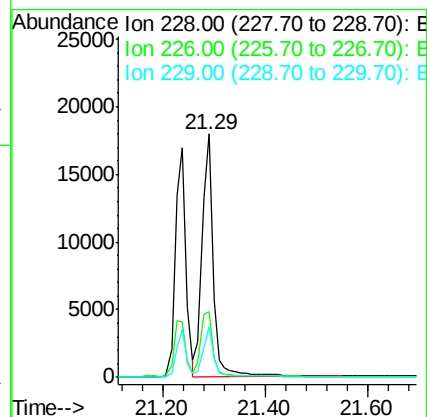
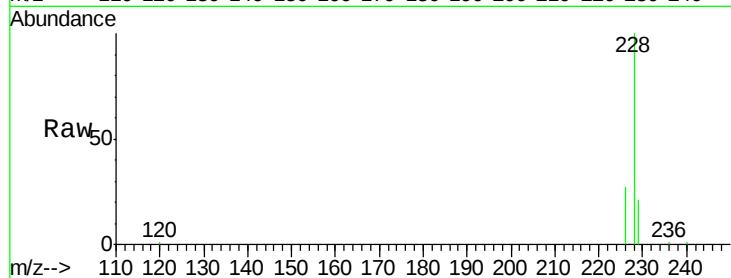
Tgt Ion:228 Resp: 27304

Ion Ratio Lower Upper

228 100

226 26.8 26.5 39.7

229 20.5 14.3 21.5



#23

Benzo(b)fluoranthene

Concen: 0.99 ng/ul

RT: 22.79 min Scan# 1545

Delta R.T. -0.00 min

Lab File: BM000615.D

Acq: 27 Feb 2015 20:20

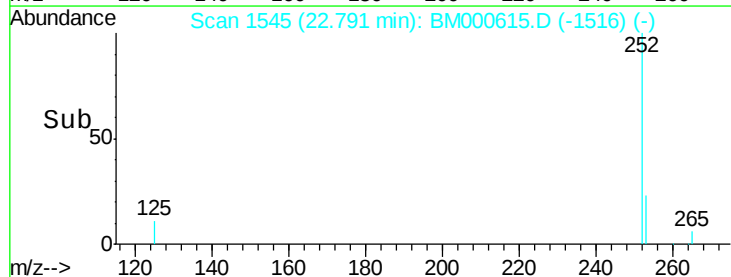
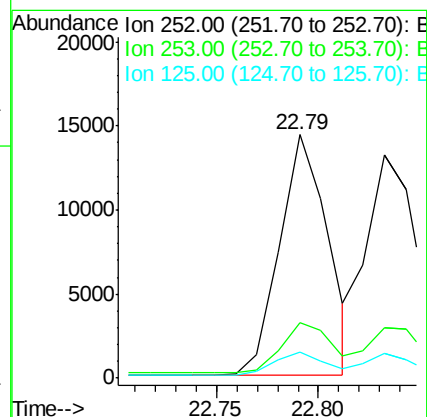
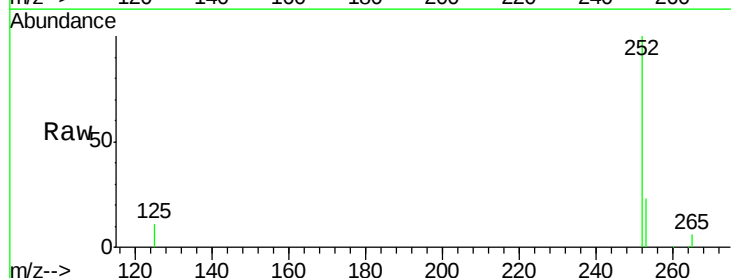
Tgt Ion:252 Resp: 23615

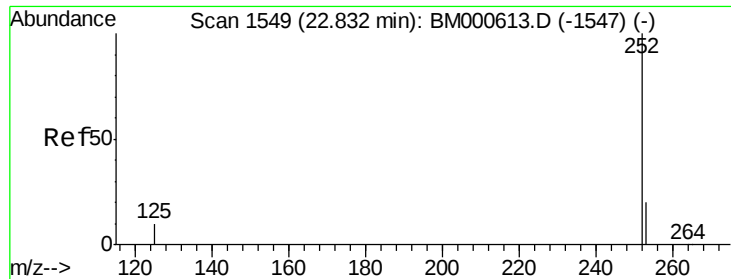
Ion Ratio Lower Upper

252 100

253 23.0 0.0 51.2

125 10.9 0.0 22.8

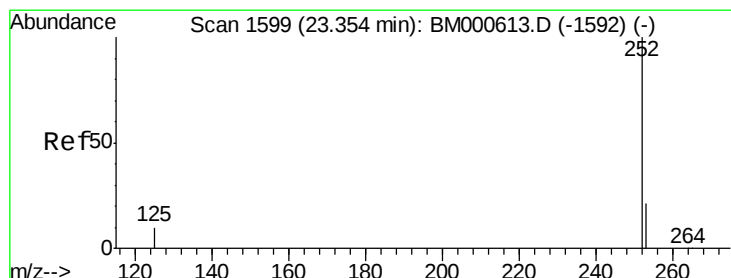
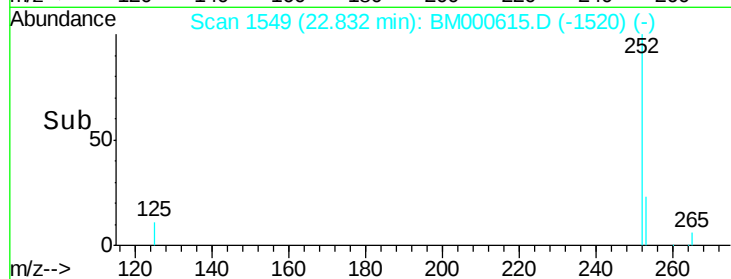
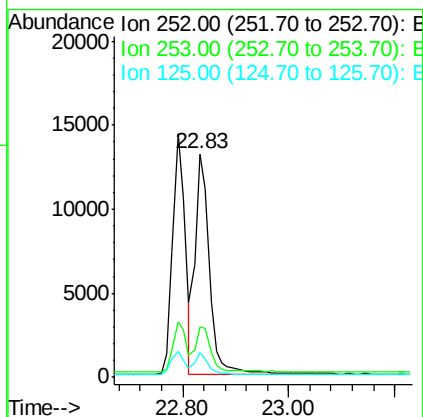
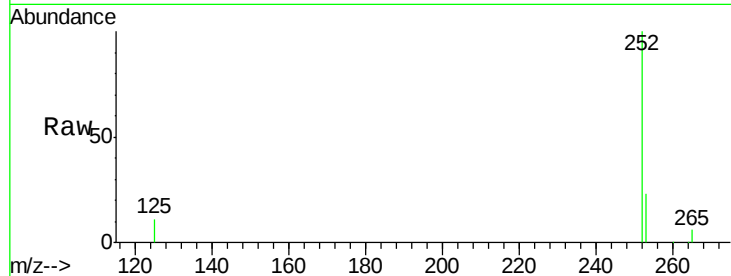




#24
Benzo(k)fluoranthene
Concen: 1.01 ng/ul
RT: 22.83 min Scan# 1549
Delta R.T. -0.00 min
Lab File: BM000615.D
Acq: 27 Feb 2015 20:20

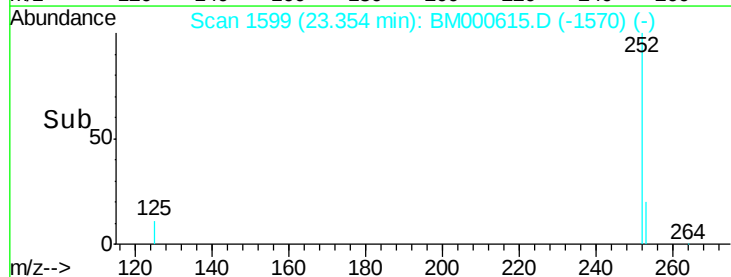
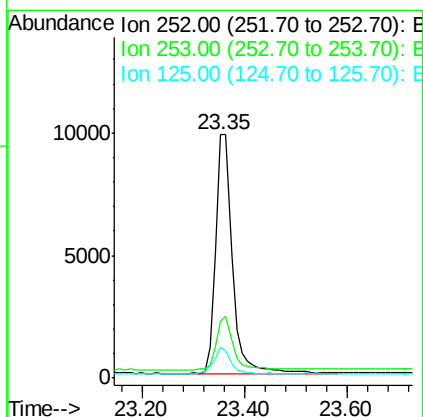
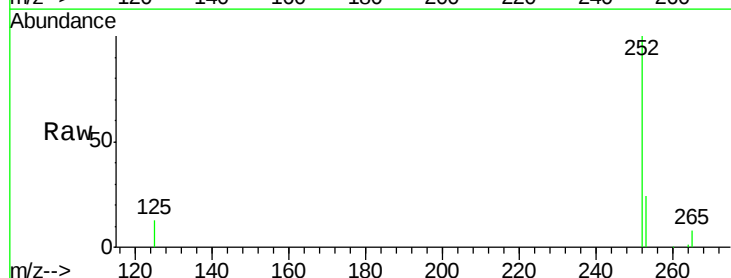
Instrument :
BNA_M
LabSampleId :
SSTD00136

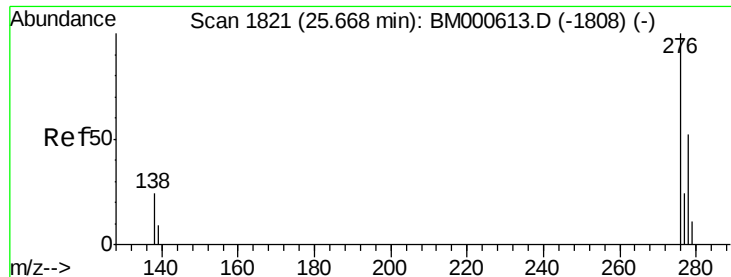
Tgt Ion:252 Resp: 24587
Ion Ratio Lower Upper
252 100
253 22.5 20.2 30.2
125 11.0 9.6 14.4



#25
Benzo(a)pyrene
Concen: 1.01 ng/ul
RT: 23.35 min Scan# 1599
Delta R.T. -0.00 min
Lab File: BM000615.D
Acq: 27 Feb 2015 20:20

Tgt Ion:252 Resp: 22150
Ion Ratio Lower Upper
252 100
253 23.5 21.3 31.9
125 12.6 10.6 15.8





#26

Indeno(1,2,3-cd)pyrene

Concen: 1.01 ng/ul

RT: 25.67 min Scan# 1821

Delta R.T. -0.00 min

Lab File: BM000615.D

Acq: 27 Feb 2015 20:20

Instrument :

BNA_M

LabSampleId :

SSTD00136

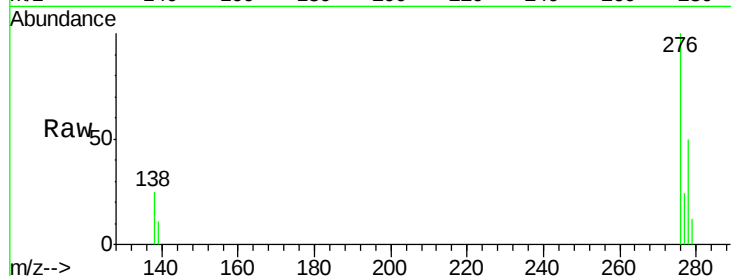
Tgt Ion:276 Resp: 24900

Ion Ratio Lower Upper

276 100

138 24.1 19.7 29.5

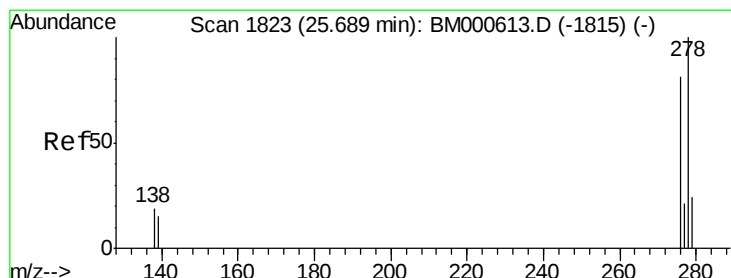
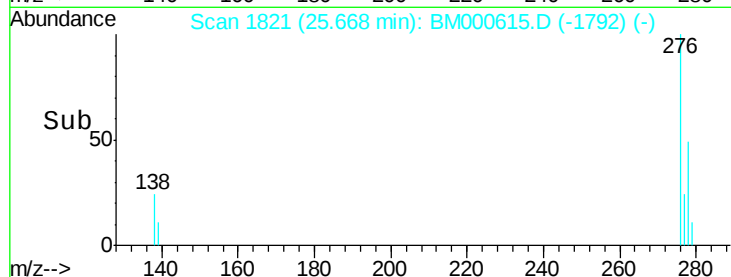
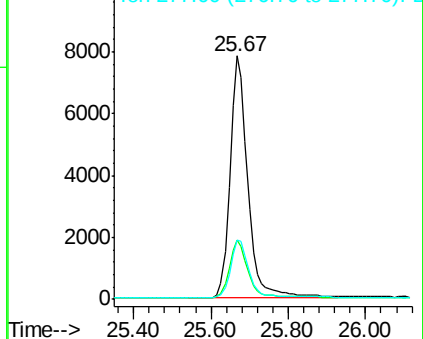
277 24.7 19.9 29.9



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: 1.03 ng/ul

RT: 25.69 min Scan# 1823

Delta R.T. -0.00 min

Lab File: BM000615.D

Acq: 27 Feb 2015 20:20

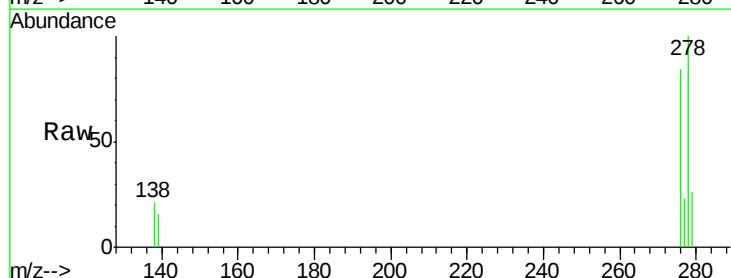
Tgt Ion:278 Resp: 19749

Ion Ratio Lower Upper

278 100

139 16.3 13.3 19.9

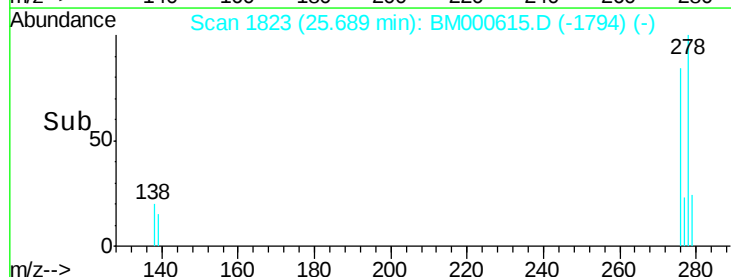
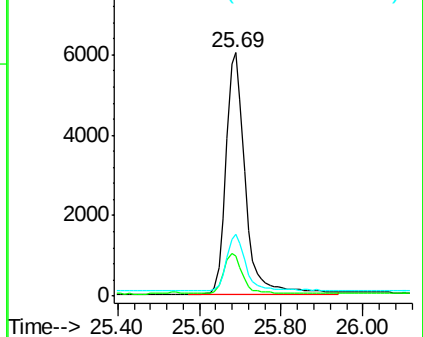
279 25.5 21.9 32.9

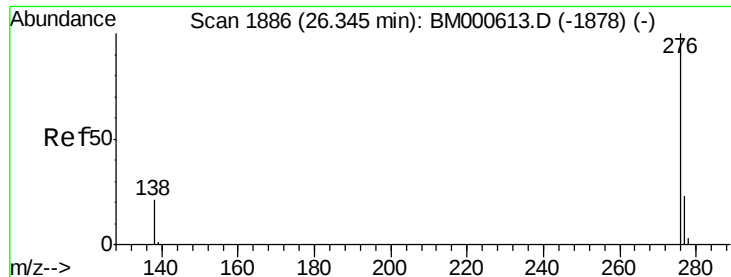


Abundance Ion 278.00 (277.70 to 278.70): E

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: 0.99 ng/ul

RT: 26.35 min Scan# 1886

Delta R.T. -0.00 min

Lab File: BM000615.D

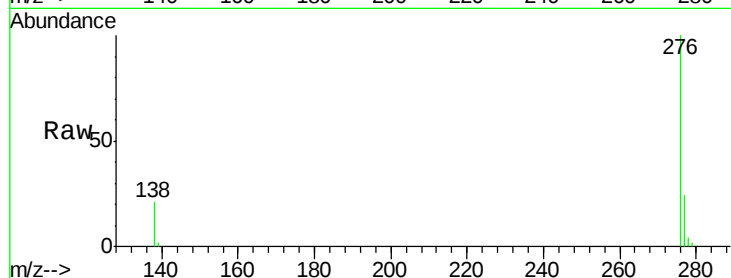
Acq: 27 Feb 2015 20:20

Instrument :

BNA_M

LabSampleId :

SSTD00136



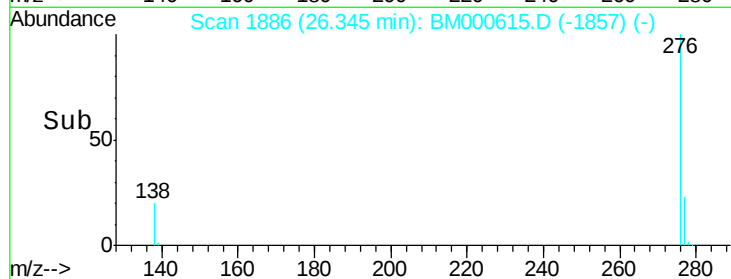
Tgt Ion: 276 Resp: 21487

Ion Ratio Lower Upper

276 100

277 23.8 19.8 29.8

138 21.1 17.8 26.6



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

