

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM022715\
 Data File : BM000614.D
 Acq On : 27 Feb 2015 19:44
 Operator : TP/IZ
 Sample : SSTD0.835
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_M
 LabSampleId :
 SSTD0.835

Quant Time: Feb 27 22:51:10 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	3407	0.40	ng/ul	0.00
4) Naphthalene-d8	10.46	136	11829	0.40	ng/ul	0.00
8) Acenaphthene-d10	14.31	164	5658	0.40	ng/ul	0.00
12) Phenanthrene-d10	17.07	188	12349	0.40	ng/ul	0.00
18) Chrysene-d12	21.25	240	9550	0.40	ng/ul	0.00
22) Perylene-d12	23.46	264	8157	0.40	ng/ul	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
2) 1,4-Dioxane-d8	3.14	96	7837	3.32	ng/uL	0.00
6) 2-Methylnaphthalene-d10	12.04	152	9827	0.69	ng/ul	0.00
16) Fluoranthene-d10	19.09	212	15474	0.72	ng/ul	0.00

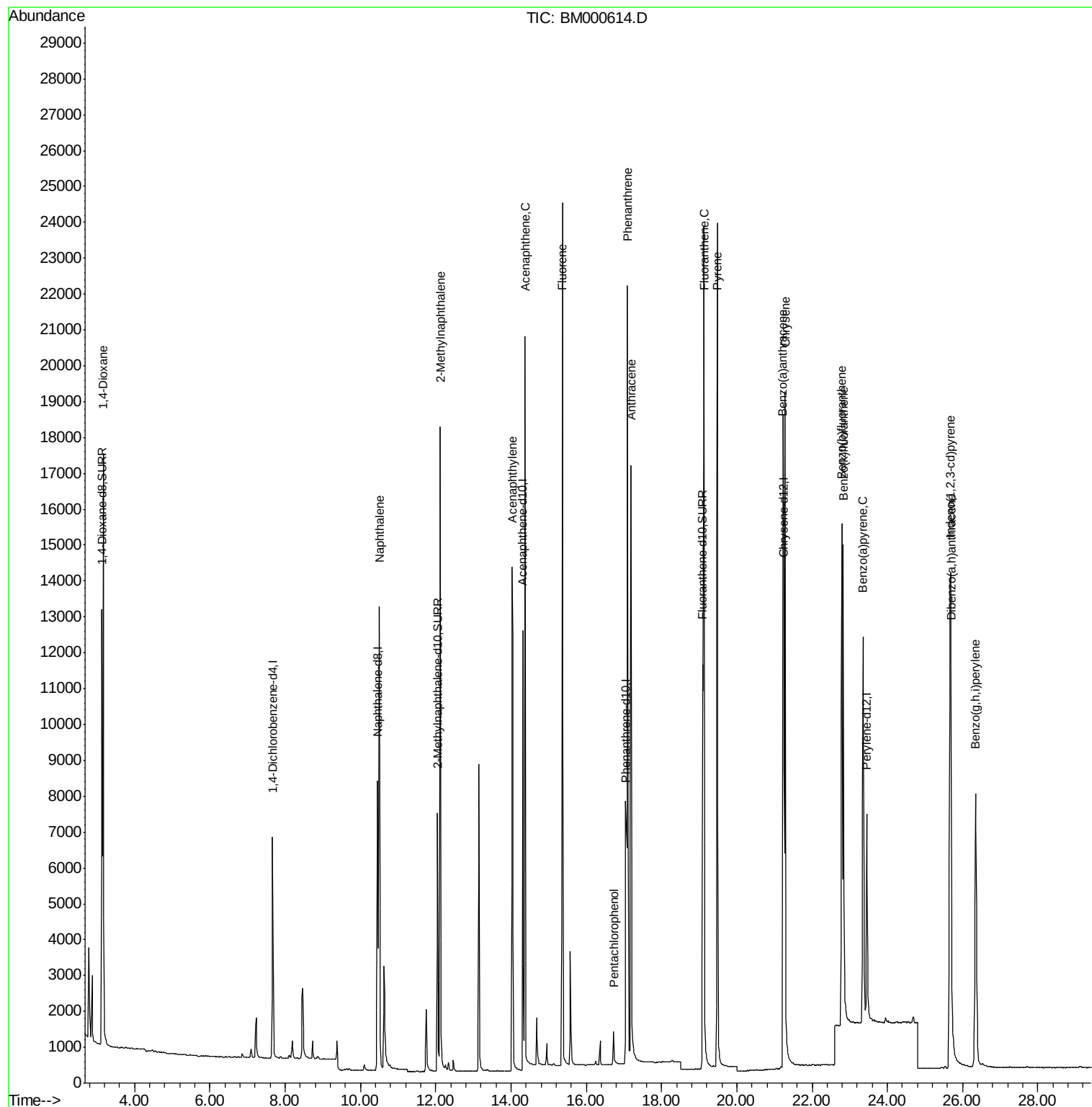
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) 1,4-Dioxane	3.17	88	10888	2.74	ng/ul	97
5) Naphthalene	10.50	128	19933	0.68	ng/ul	99
7) 2-Methylnaphthalene	12.12	142	13463	0.69	ng/ul	99
9) Acenaphthylene	14.03	152	18213	0.80	ng/ul	99
10) Acenaphthene	14.38	153	14036	0.80	ng/ul	98
11) Fluorene	15.36	166	16199	0.81	ng/ul	99
13) Pentachlorophenol	16.72	266	1010	0.63	ng/ul	96
14) Phenanthrene	17.10	178	23620	0.68	ng/ul	99
15) Anthracene	17.19	178	20841	0.68	ng/ul	100
17) Fluoranthene	19.12	202	24994	0.72	ng/ul	99
19) Pyrene	19.49	202	24648	0.60	ng/ul	99
20) Benzo(a)anthracene	21.23	228	17963	0.67	ng/ul	99
21) Chrysene	21.28	228	20478	0.65	ng/ul	99
23) Benzo(b)fluoranthene	22.79	252	18246	0.65	ng/ul	97
24) Benzo(k)fluoranthene	22.83	252	18294	0.64	ng/ul	98
25) Benzo(a)pyrene	23.35	252	16990	0.66	ng/ul	98
26) Indeno(1,2,3-cd)pyrene	25.67	276	19065	0.66	ng/ul	100
27) Dibenzo(a,h)anthracene	25.69	278	15248	0.67	ng/ul	98
28) Benzo(g,h,i)perylene	26.35	276	16654	0.65	ng/ul	98

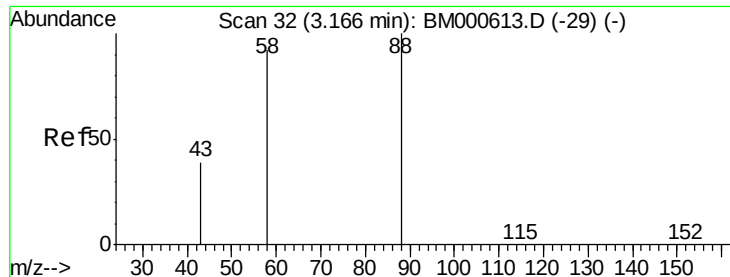
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

1,4-Dioxane

Concen: 2.74 ng/ul

RT: 3.17 min Scan# 32

Delta R.T. 0.00 min

Lab File: BM000614.D

Acq: 27 Feb 2015 19:44

Instrument :

BNA_M

LabSampleId :

SSTD0.835

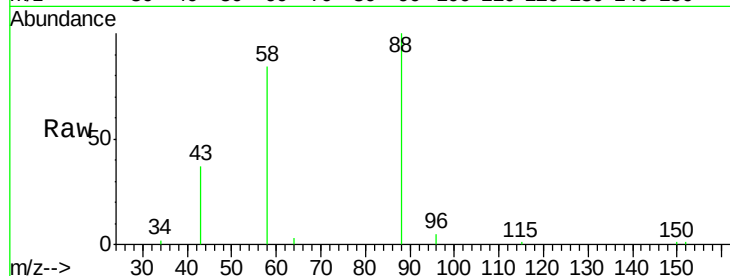
Tgt Ion: 88 Resp: 10888

Ion Ratio Lower Upper

88 100

58 80.9 62.7 94.1

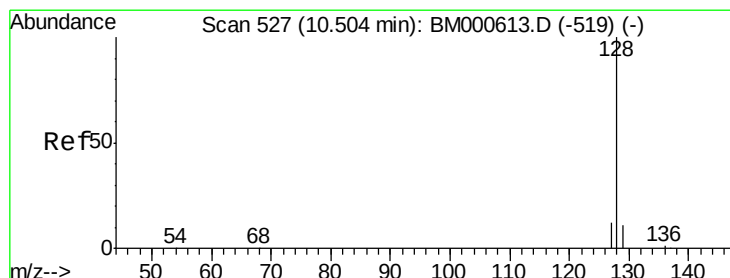
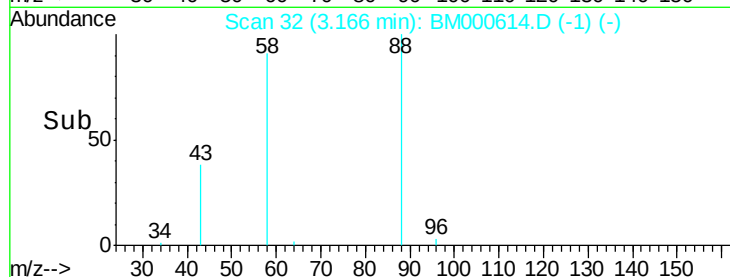
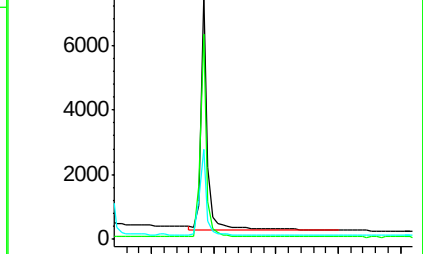
43 38.4 28.8 43.2



Abundance Ion 88.00 (87.70 to 88.70): BM000613.D (-29) (-)

Ion 58.00 (57.70 to 58.70): BM000613.D (-29) (-)

Ion 43.00 (42.70 to 43.70): BM000613.D (-29) (-)



#5

Naphthalene

Concen: 0.68 ng/ul

RT: 10.50 min Scan# 527

Delta R.T. 0.00 min

Lab File: BM000614.D

Acq: 27 Feb 2015 19:44

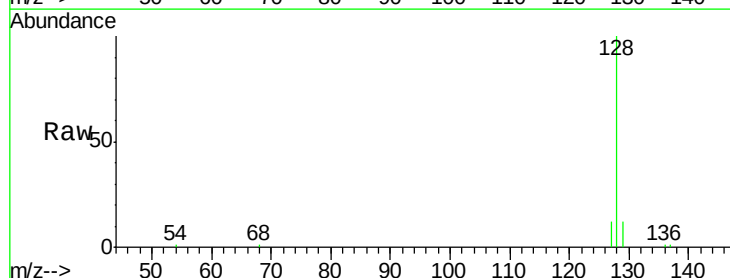
Tgt Ion: 128 Resp: 19933

Ion Ratio Lower Upper

128 100

129 11.8 9.4 14.0

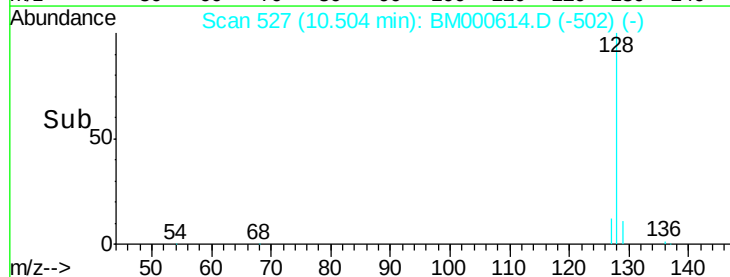
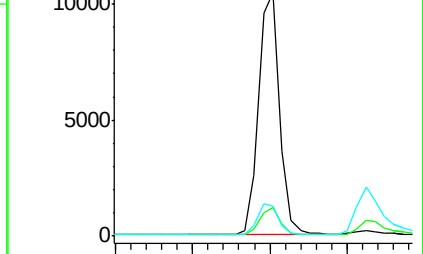
127 12.1 10.0 15.0

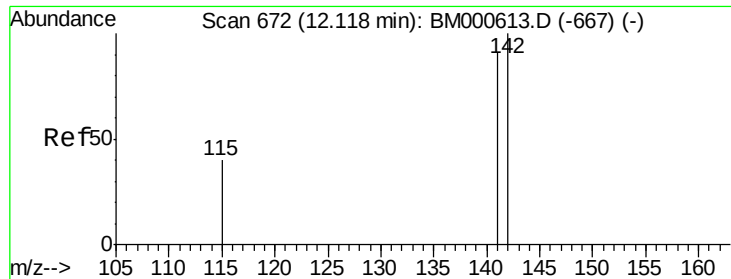


Abundance Ion 128.00 (127.70 to 128.70): BM000613.D (-519) (-)

Ion 129.00 (128.70 to 129.70): BM000613.D (-519) (-)

Ion 127.00 (126.70 to 127.70): BM000613.D (-519) (-)





#7

2-Methylnaphthalene

Concen: 0.69 ng/ul

RT: 12.12 min Scan# 672

Delta R.T. -0.00 min

Lab File: BM000614.D

Acq: 27 Feb 2015 19:44

Instrument :

BNA_M

LabSampleId :

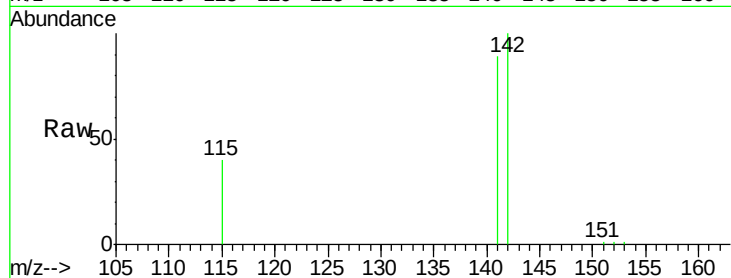
SSTD0.835

Tgt Ion:142 Resp: 13463

Ion Ratio Lower Upper

142 100

141 88.4 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

8000

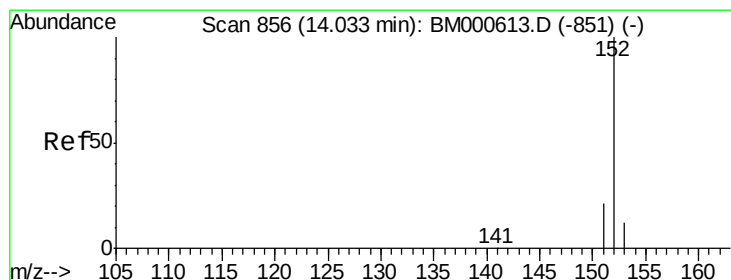
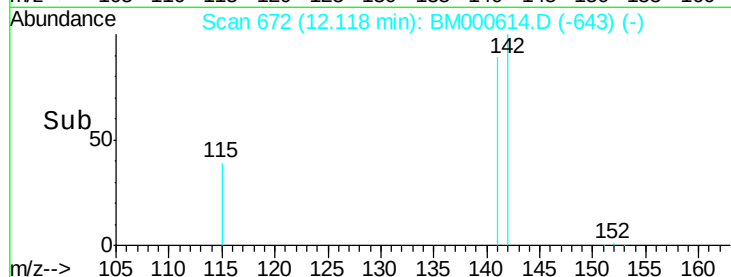
6000

4000

2000

0

Time--> 12.00 12.20



#9

Acenaphthylene

Concen: 0.80 ng/ul

RT: 14.03 min Scan# 856

Delta R.T. 0.00 min

Lab File: BM000614.D

Acq: 27 Feb 2015 19:44

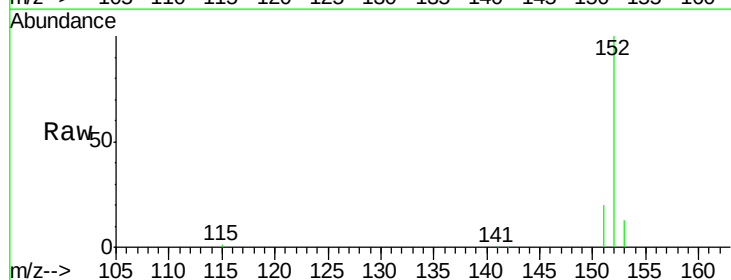
Tgt Ion:152 Resp: 18213

Ion Ratio Lower Upper

152 100

151 20.4 17.0 25.6

153 12.6 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

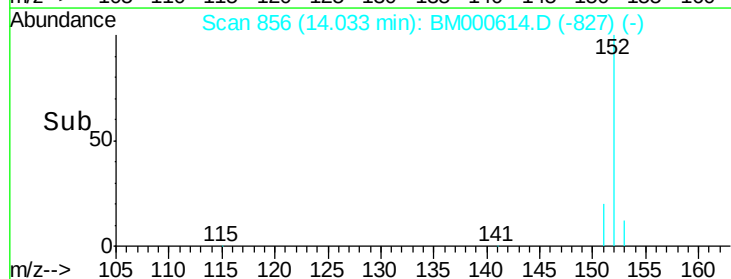
14.03

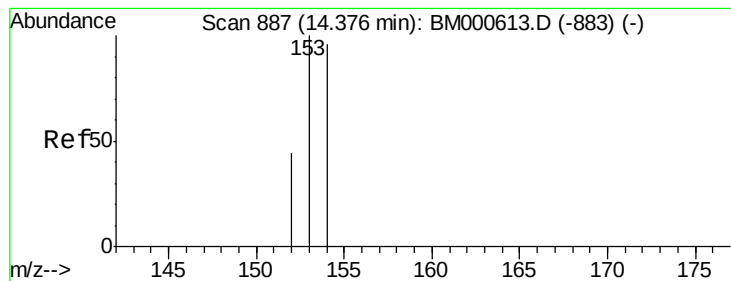
10000

5000

0

Time--> 14.00 14.20





#10

Acenaphthene

Concen: 0.80 ng/ul

RT: 14.38 min Scan# 887

Delta R.T. 0.00 min

Lab File: BM000614.D

Acq: 27 Feb 2015 19:44

Instrument :

BNA_M

LabSampleId :

SSTD0.835

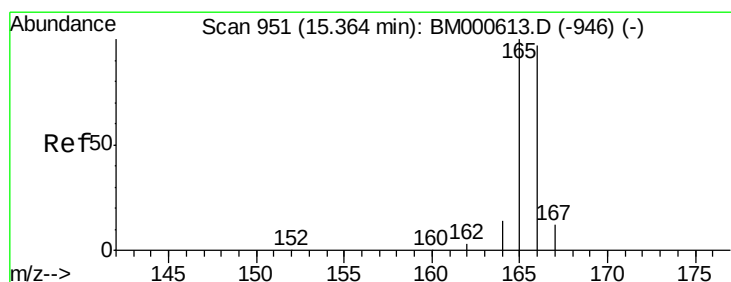
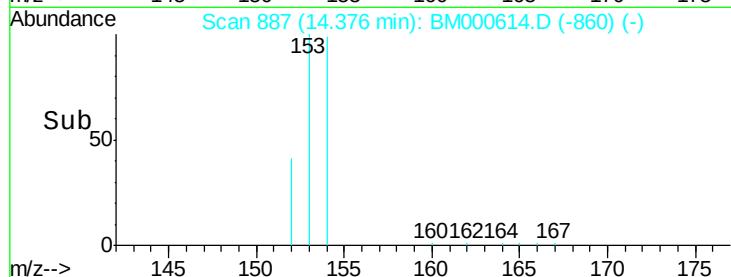
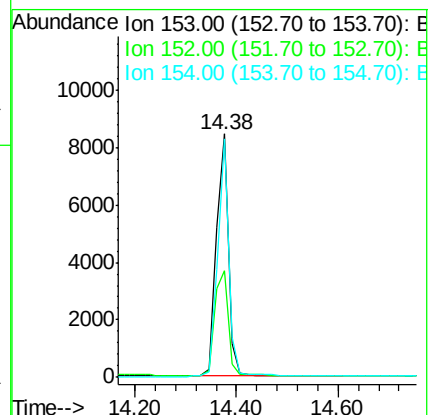
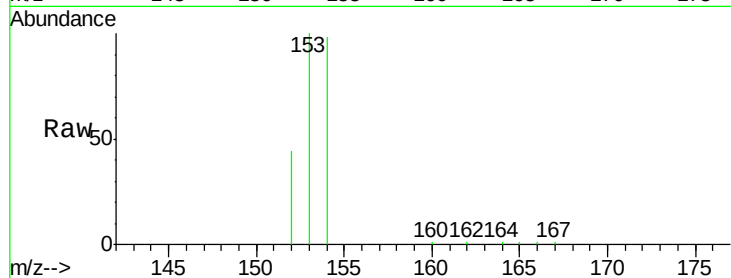
Tgt Ion:153 Resp: 14036

Ion Ratio Lower Upper

153 100

152 43.6 35.9 53.9

154 97.7 76.9 115.3



#11

Fluorene

Concen: 0.81 ng/ul

RT: 15.36 min Scan# 951

Delta R.T. -0.00 min

Lab File: BM000614.D

Acq: 27 Feb 2015 19:44

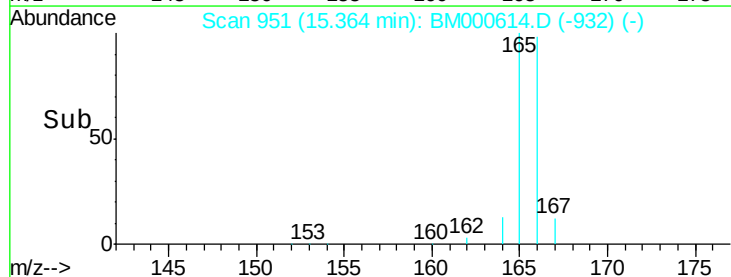
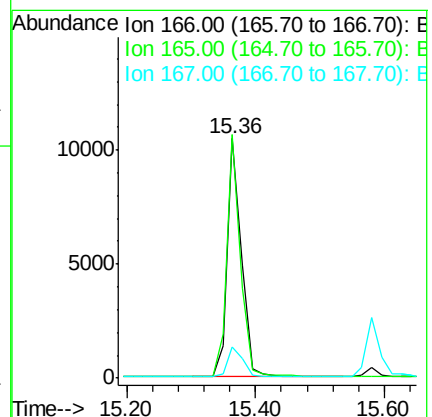
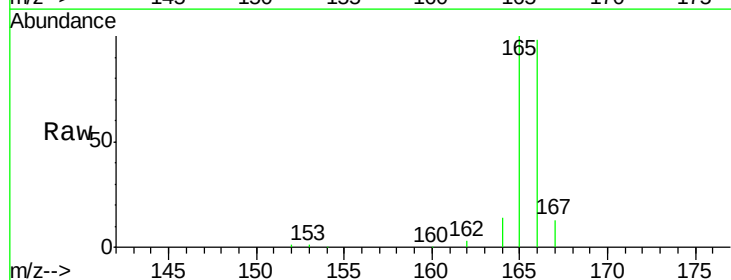
Tgt Ion:166 Resp: 16199

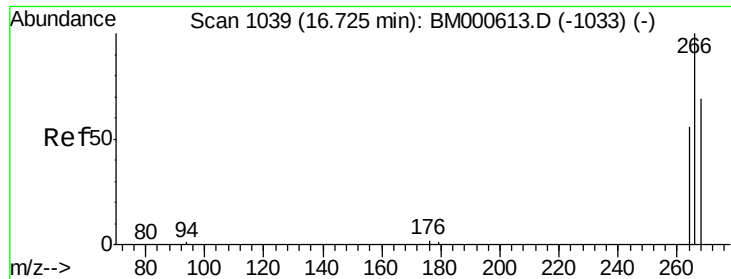
Ion Ratio Lower Upper

166 100

165 101.8 82.5 123.7

167 13.0 10.6 16.0





#13

Pentachlorophenol

Concen: 0.63 ng/ul

RT: 16.72 min Scan# 1039

Delta R.T. 0.00 min

Lab File: BM000614.D

Acq: 27 Feb 2015 19:44

Instrument :

BNA_M

LabSampleId :

SSTD0.835

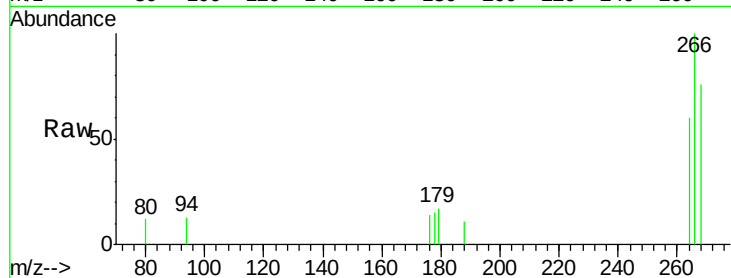
Tgt Ion:266 Resp: 1010

Ion Ratio Lower Upper

266 100

264 61.3 51.0 76.6

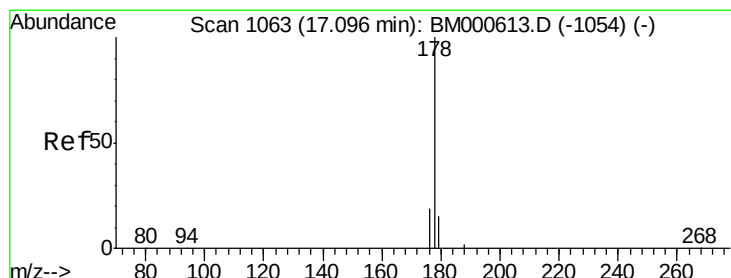
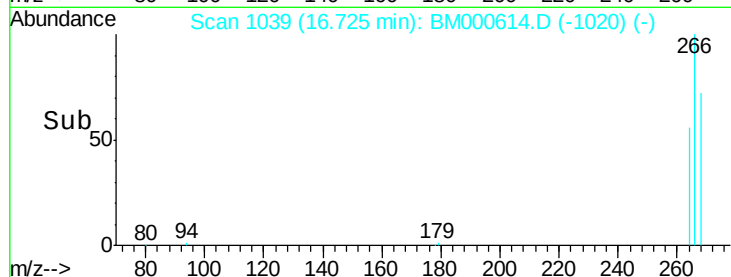
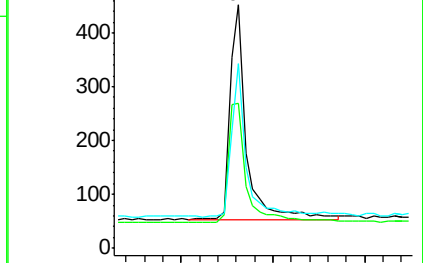
268 64.9 54.9 82.3



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: 0.68 ng/ul

RT: 17.10 min Scan# 1063

Delta R.T. 0.00 min

Lab File: BM000614.D

Acq: 27 Feb 2015 19:44

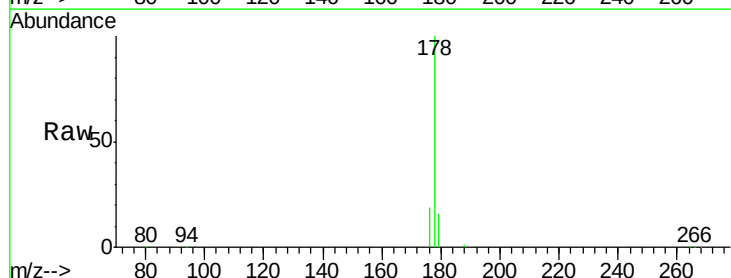
Tgt Ion:178 Resp: 23620

Ion Ratio Lower Upper

178 100

176 18.9 15.3 22.9

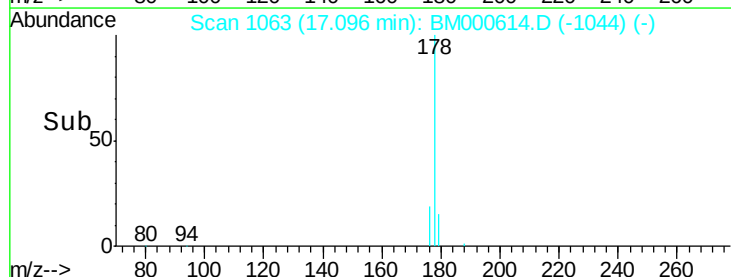
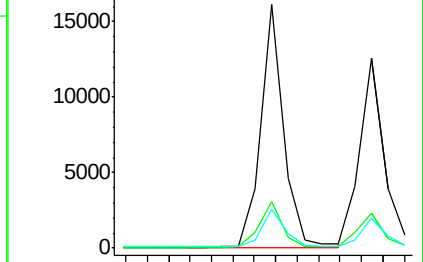
179 15.8 12.2 18.2

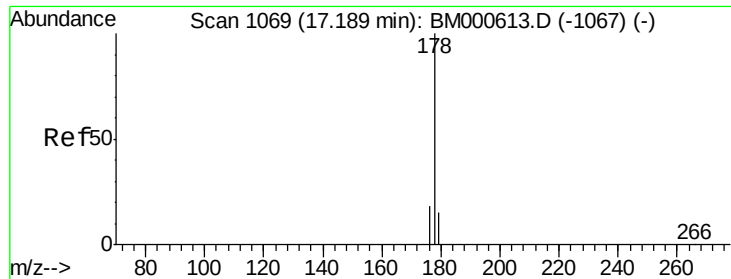


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#15

Anthracene

Concen: 0.68 ng/ul

RT: 17.19 min Scan# 1069

Delta R.T. 0.00 min

Lab File: BM000614.D

Acq: 27 Feb 2015 19:44

Instrument :

BNA_M

LabSampleId :

SSTD0.835

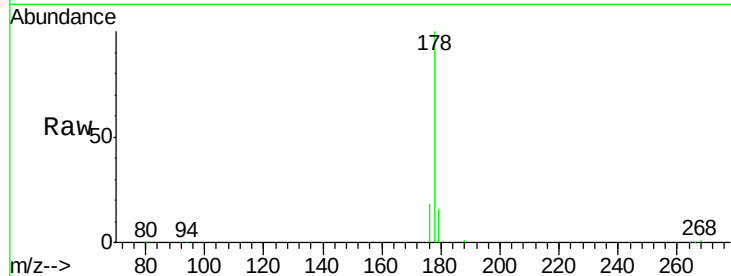
Tgt Ion:178 Resp: 20841

Ion Ratio Lower Upper

178 100

176 18.2 14.6 22.0

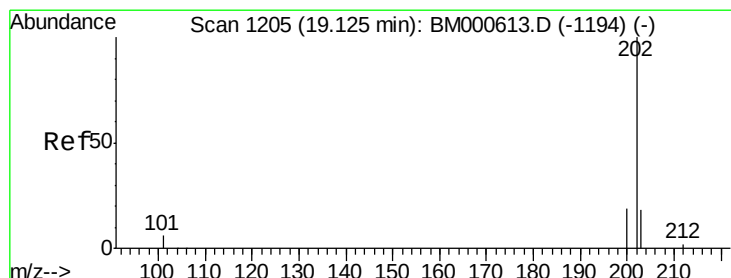
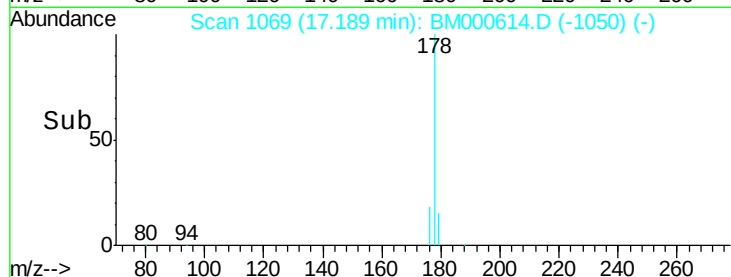
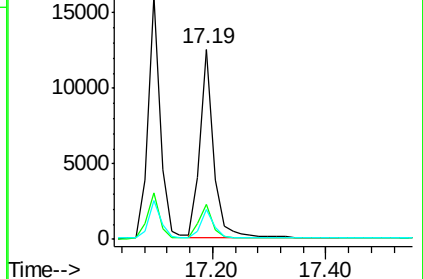
179 15.9 12.9 19.3



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: 0.72 ng/ul

RT: 19.12 min Scan# 1205

Delta R.T. -0.00 min

Lab File: BM000614.D

Acq: 27 Feb 2015 19:44

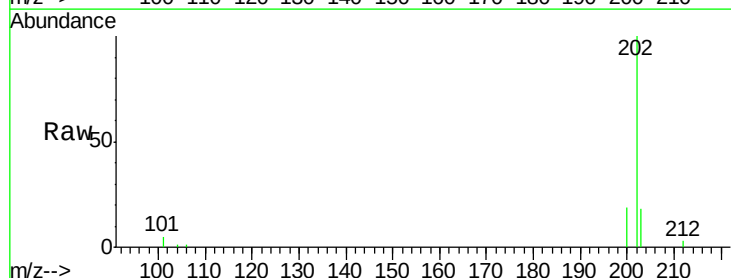
Tgt Ion:202 Resp: 24994

Ion Ratio Lower Upper

202 100

101 5.5 0.0 26.2

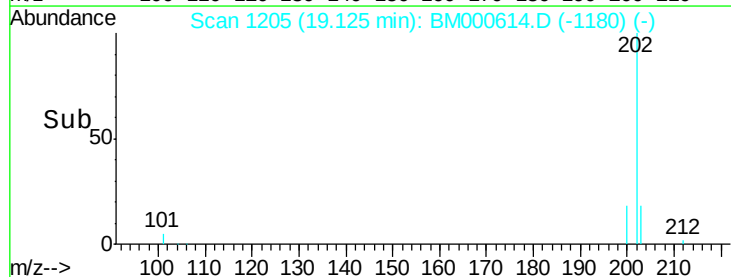
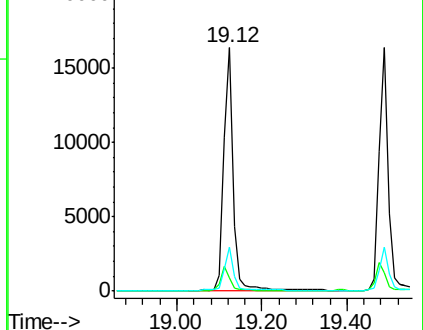
203 18.1 0.0 38.3

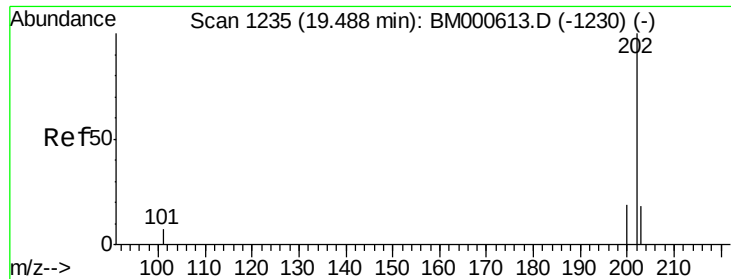


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E





#19

Pyrene

Concen: 0.60 ng/ul

RT: 19.49 min Scan# 1235

Delta R.T. 0.00 min

Lab File: BM000614.D

Acq: 27 Feb 2015 19:44

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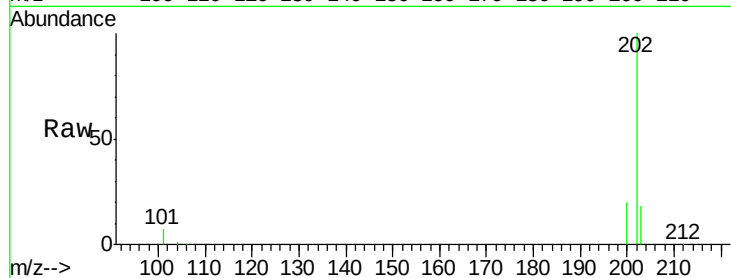
Tgt Ion:202 Resp: 24648

Ion Ratio Lower Upper

202 100

200 19.9 15.7 23.5

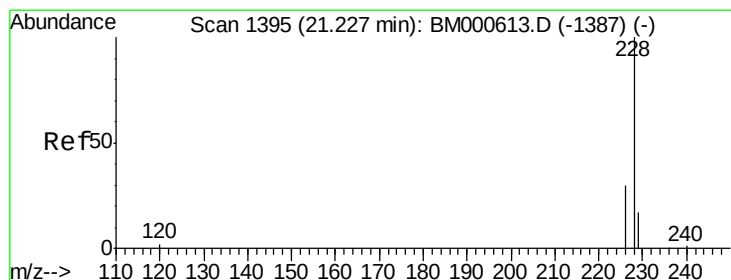
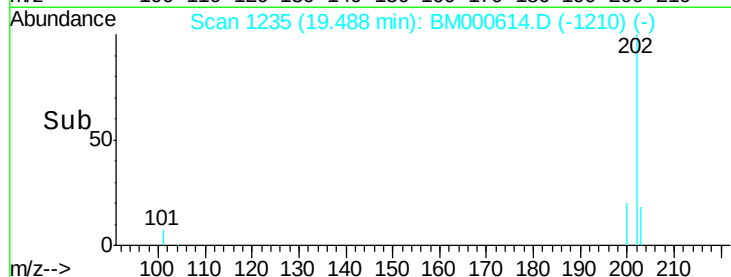
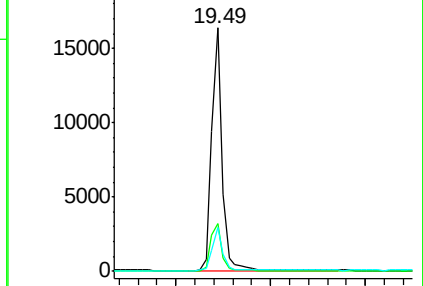
203 17.9 14.8 22.2



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: 0.67 ng/ul

RT: 21.23 min Scan# 1395

Delta R.T. -0.00 min

Lab File: BM000614.D

Acq: 27 Feb 2015 19:44

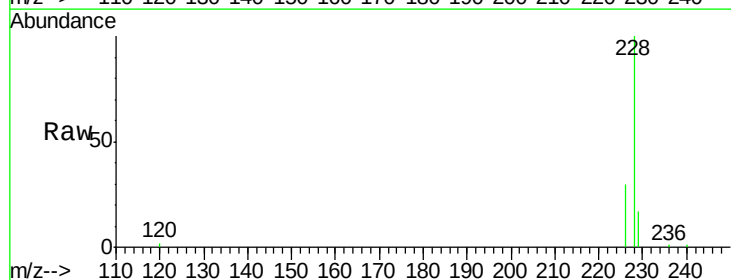
Tgt Ion:228 Resp: 17963

Ion Ratio Lower Upper

228 100

226 30.3 24.1 36.1

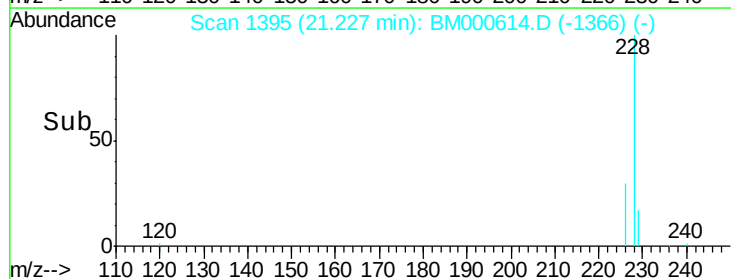
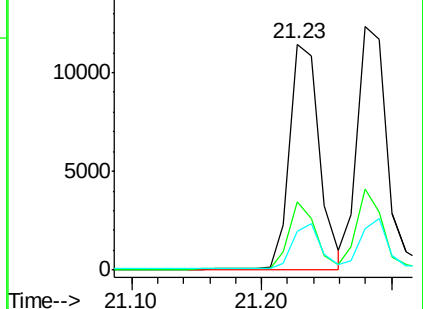
229 17.2 14.2 21.4

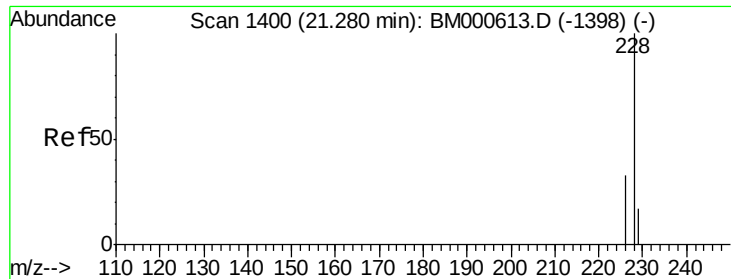


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#21

Chrysene

Concen: 0.65 ng/ul

RT: 21.28 min Scan# 1400

Delta R.T. 0.00 min

Lab File: BM000614.D

Acq: 27 Feb 2015 19:44

Instrument :

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LabSampleId :

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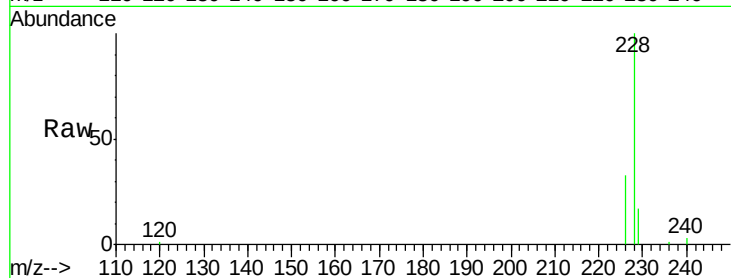
Tgt Ion:228 Resp: 20478

Ion Ratio Lower Upper

228 100

226 33.4 26.5 39.7

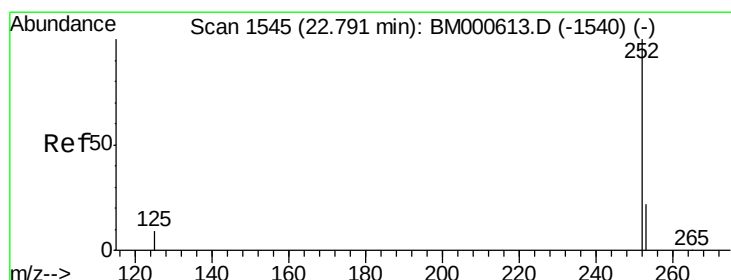
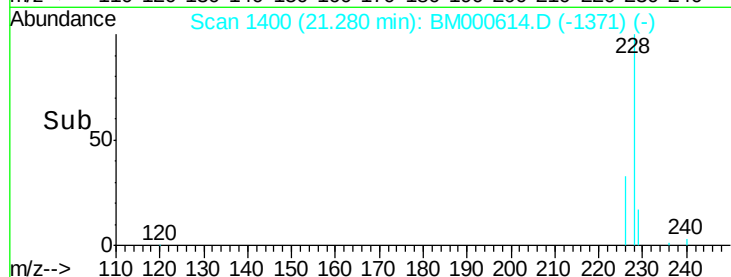
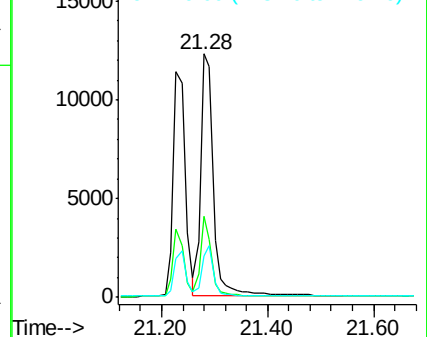
229 17.2 14.3 21.5



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: 0.65 ng/ul

RT: 22.79 min Scan# 1545

Delta R.T. 0.00 min

Lab File: BM000614.D

Acq: 27 Feb 2015 19:44

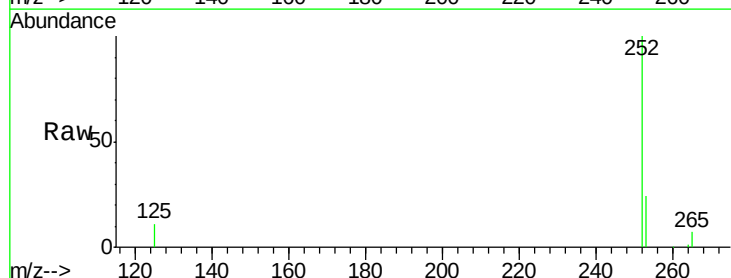
Tgt Ion:252 Resp: 18246

Ion Ratio Lower Upper

252 100

253 24.0 0.0 51.2

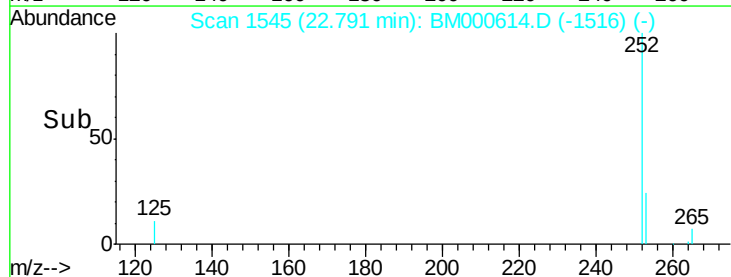
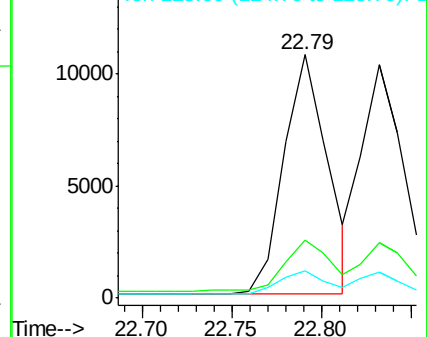
125 11.0 0.0 22.8

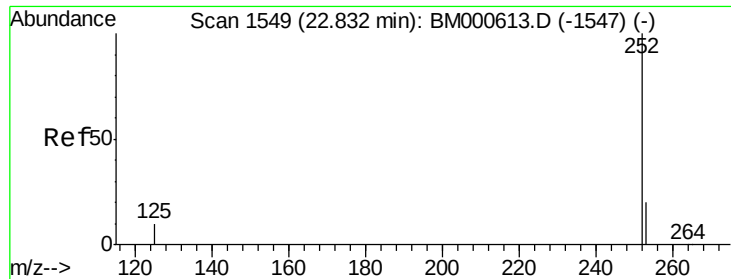


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#24

Benzo(k)fluoranthene

Concen: 0.64 ng/ul

RT: 22.83 min Scan# 1549

Delta R.T. 0.00 min

Lab File: BM000614.D

Acq: 27 Feb 2015 19:44

Instrument :

BNA_M

LabSampleId :

SSTD0.835

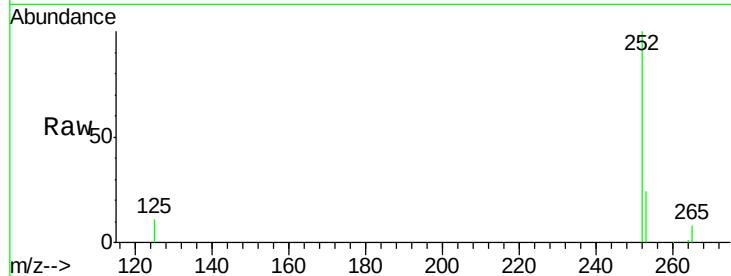
Tgt Ion:252 Resp: 18294

Ion Ratio Lower Upper

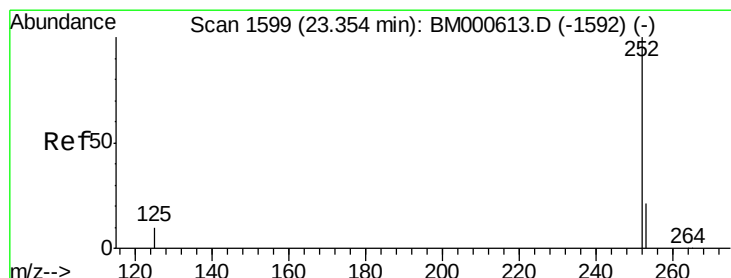
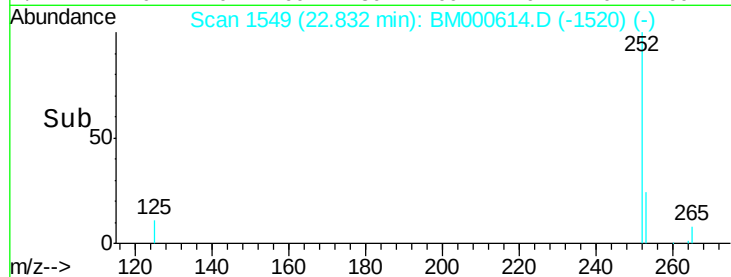
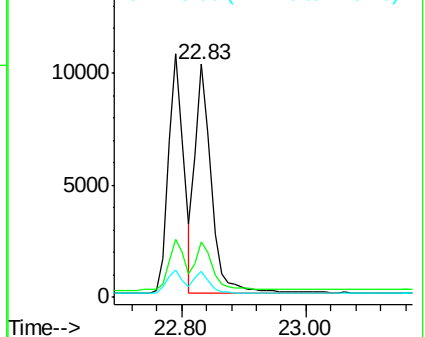
252 100

253 23.9 20.2 30.2

125 11.2 9.6 14.4



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: 0.66 ng/ul

RT: 23.35 min Scan# 1599

Delta R.T. 0.00 min

Lab File: BM000614.D

Acq: 27 Feb 2015 19:44

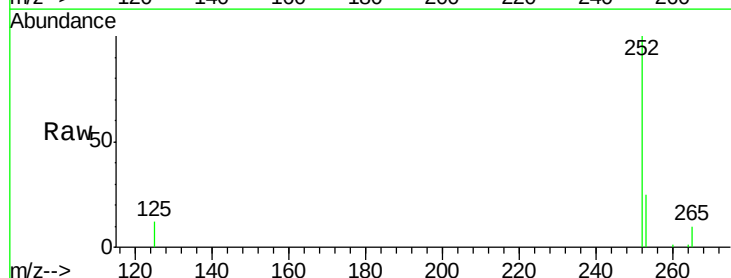
Tgt Ion:252 Resp: 16990

Ion Ratio Lower Upper

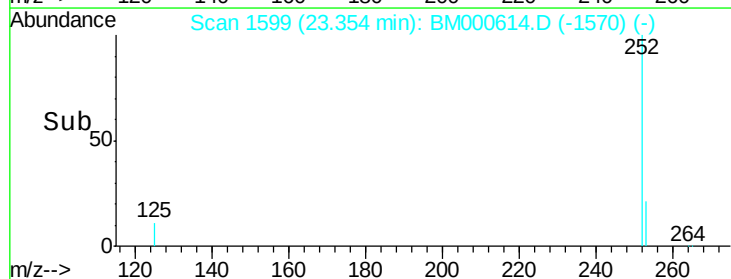
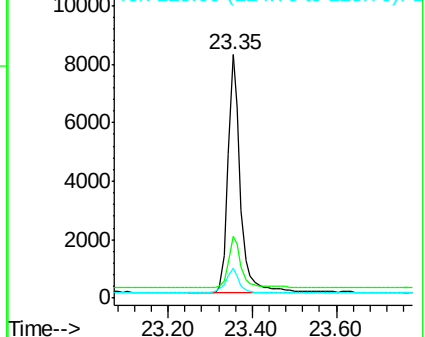
252 100

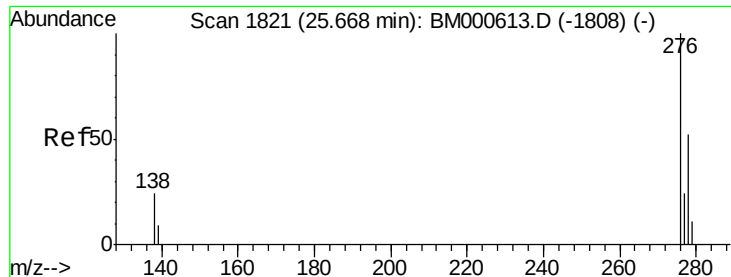
253 25.2 21.3 31.9

125 12.5 10.6 15.8



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





#26

Indeno(1,2,3-cd)pyrene

Concen: 0.66 ng/ul

RT: 25.67 min Scan# 1821

Delta R.T. -0.00 min

Lab File: BM000614.D

Acq: 27 Feb 2015 19:44

Instrument :

BNA_M

LabSampleId :

SSTD0.835

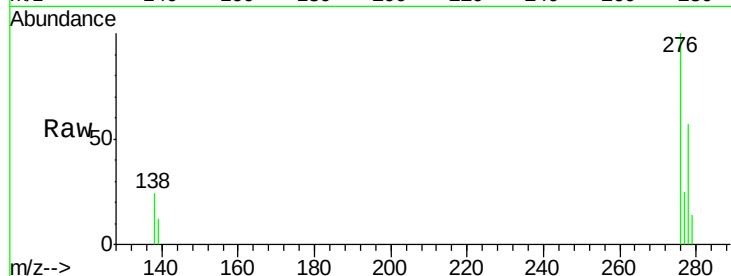
Tgt Ion:276 Resp: 19065

Ion Ratio Lower Upper

276 100

138 24.5 19.7 29.5

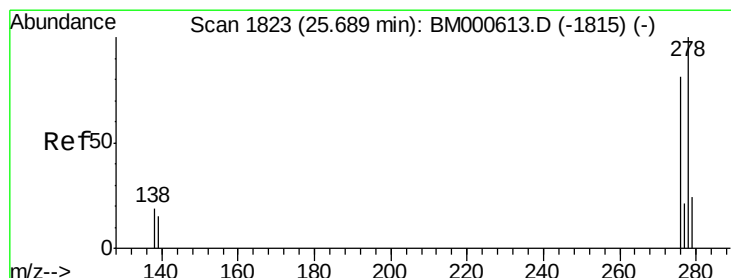
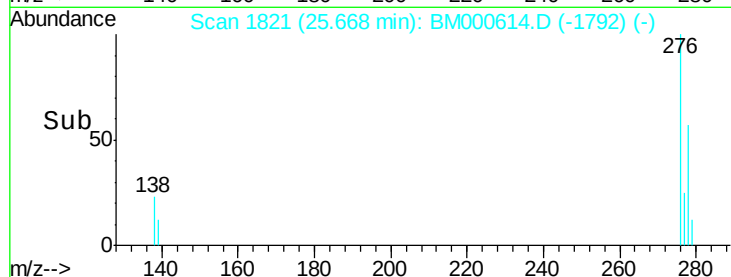
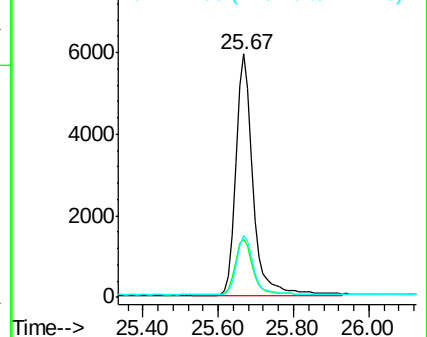
277 25.0 19.9 29.9



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: 0.67 ng/ul

RT: 25.69 min Scan# 1823

Delta R.T. -0.00 min

Lab File: BM000614.D

Acq: 27 Feb 2015 19:44

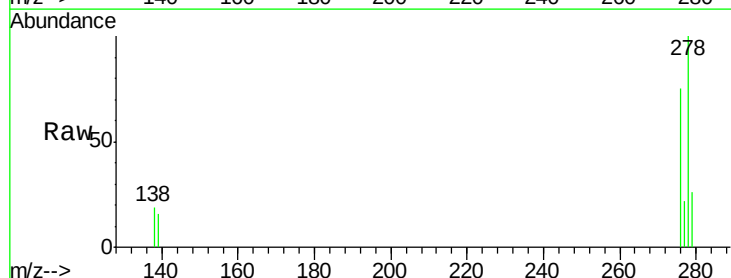
Tgt Ion:278 Resp: 15248

Ion Ratio Lower Upper

278 100

139 16.0 13.3 19.9

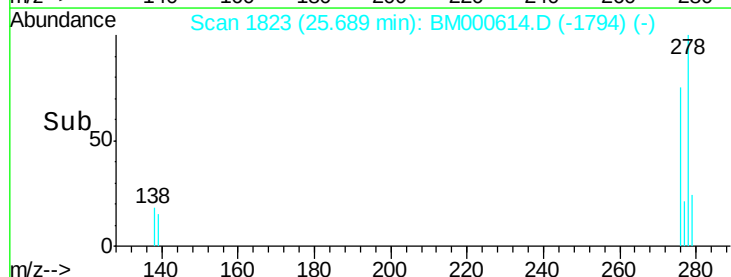
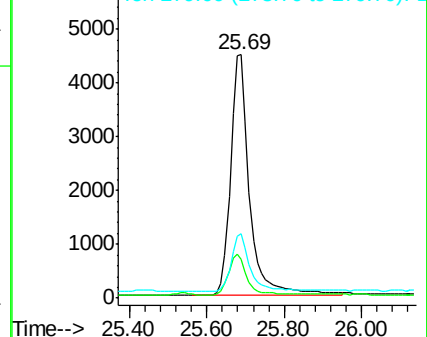
279 26.3 21.9 32.9

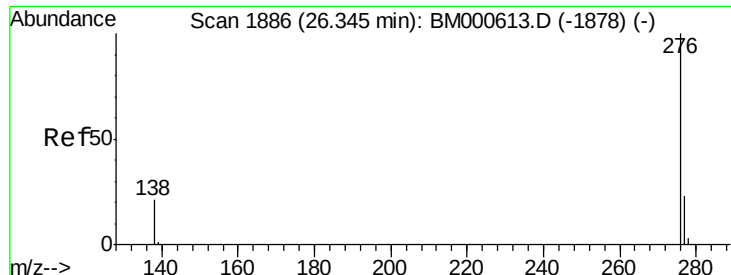


Abundance Ion 278.00 (277.70 to 278.70): E

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: 0.65 ng/ul

RT: 26.35 min Scan# 1886

Delta R.T. 0.00 min

Lab File: BM000614.D

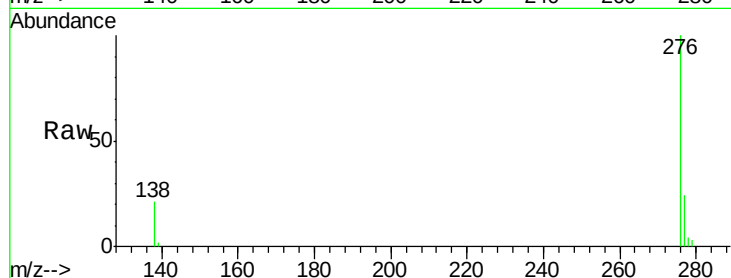
Acq: 27 Feb 2015 19:44

Instrument :

BNA_M

LabSampleId :

SSTD0.835



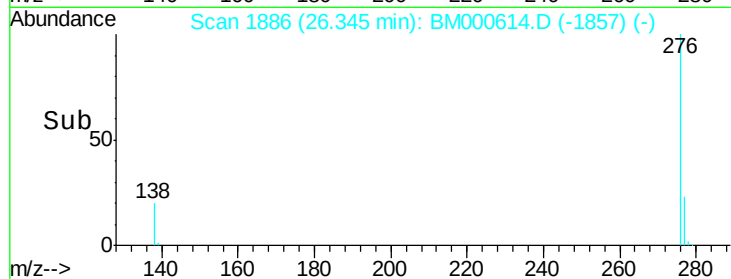
Tgt Ion: 276 Resp: 16654

Ion Ratio Lower Upper

276 100

277 24.3 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

