

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM022715\
 Data File : BM000633.D
 Acq On : 28 Feb 2015 08:41
 Operator : TP/IZ
 Sample : SST0.438
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :

Quant Time: Mar 02 00:01:08 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 23:02:43 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.67	152	6671	0.40	ng/ul	0.00
4) Naphthalene-d8	10.46	136	24602	0.40	ng/ul	0.00
8) Acenaphthene-d10	14.31	164	11410	0.40	ng/ul	0.00
12) Phenanthrene-d10	17.05	188	26199	0.40	ng/ul	-0.02
18) Chrysene-d12	21.25	240	17442	0.40	ng/ul	0.00
22) Perylene-d12	23.46	264	14158	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	9590	2.12	ng/uL	0.00
6) 2-Methylnaphthalene-d10	12.04	152	12592	0.42	ng/ul	0.00
16) Fluoranthene-d10	19.09	212	18883	0.39	ng/ul	0.00

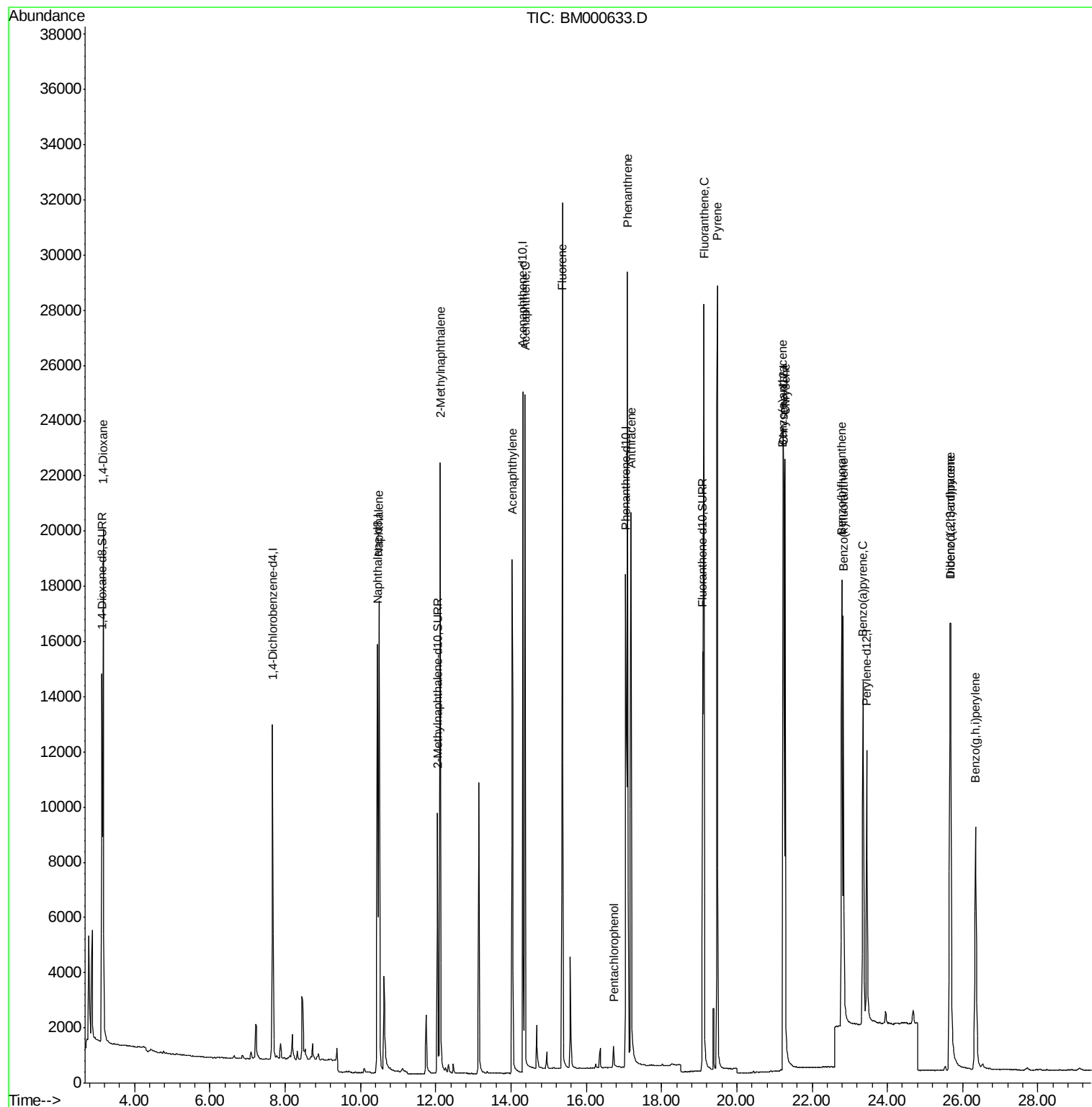
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) 1,4-Dioxane	3.17	88	14061	2.04	ng/ul	96
5) Naphthalene	10.49	128	25588	0.42	ng/ul	97
7) 2-Methylnaphthalene	12.12	142	17372	0.43	ng/ul	98
9) Acenaphthylene	14.03	152	23038	0.49	ng/ul	98
10) Acenaphthene	14.38	153	18374	0.50	ng/ul	96
11) Fluorene	15.36	166	20896	0.49	ng/ul	97
13) Pentachlorophenol	16.72	266	919	0.33	ng/ul	96
14) Phenanthrene	17.10	178	31038	0.42	ng/ul	98
15) Anthracene	17.19	178	26680	0.42	ng/ul	99
17) Fluoranthene	19.12	202	30607	0.40	ng/ul	100
19) Pyrene	19.49	202	31724	0.46	ng/ul	99
20) Benzo(a)anthracene	21.23	228	21001	0.43	ng/ul	99
21) Chrysene	21.28	228	23594	0.41	ng/ul	99
23) Benzo(b)fluoranthene	22.79	252	20914	0.44	ng/ul	98
24) Benzo(k)fluoranthene	22.83	252	20561	0.43	ng/ul	98
25) Benzo(a)pyrene	23.35	252	19219	0.42	ng/ul	97
26) Indeno(1,2,3-cd)pyrene	25.67	276	21180	0.42	ng/ul#	94
27) Dibenzo(a,h)anthracene	25.68	278	16829	0.42	ng/ul#	95
28) Benzo(g,h,i)perylene	26.35	276	18581	0.42	ng/ul	96

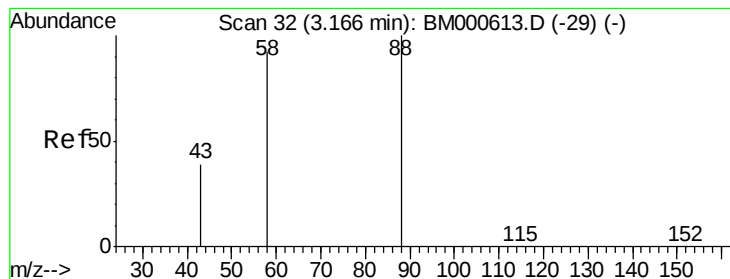
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

1,4-Dioxane

Concen: 2.04 ng/ul

RT: 3.17 min Scan# 32

Delta R.T. -0.00 min

Lab File: BM000633.D

Acq: 28 Feb 2015 08:41

Instrument :

BNA_M

ClientSampled :

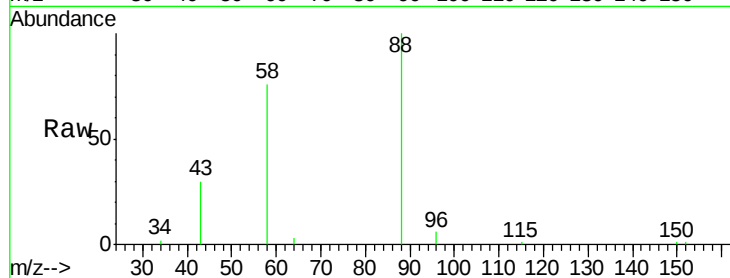
Tgt Ion: 88 Resp: 14061

Ion Ratio Lower Upper

88 100

58 74.9 62.7 94.1

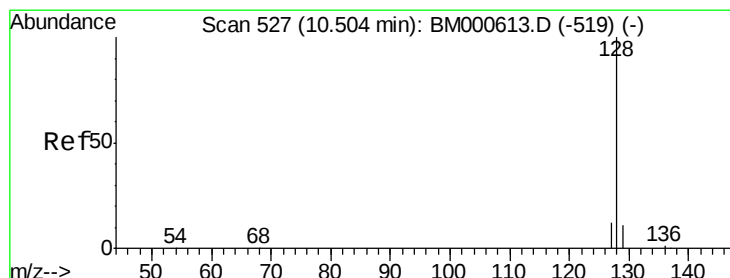
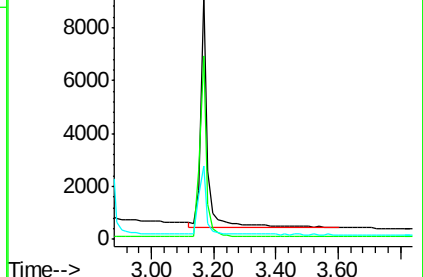
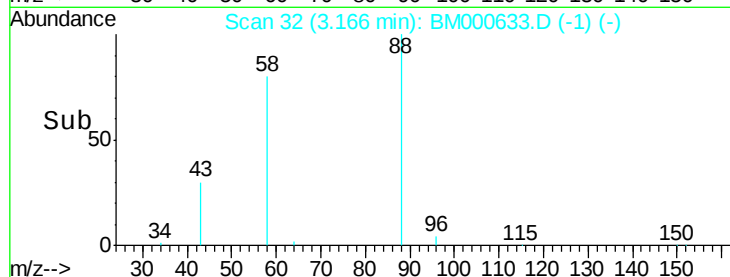
43 33.5 28.8 43.2



Abundance Ion 88.00 (87.70 to 88.70): BM000633.D (-29) (-)

Ion 58.00 (57.70 to 58.70): BM000633.D (-29) (-)

Ion 43.00 (42.70 to 43.70): BM000633.D (-29) (-)



#5

Naphthalene

Concen: 0.42 ng/ul

RT: 10.49 min Scan# 526

Delta R.T. -0.01 min

Lab File: BM000633.D

Acq: 28 Feb 2015 08:41

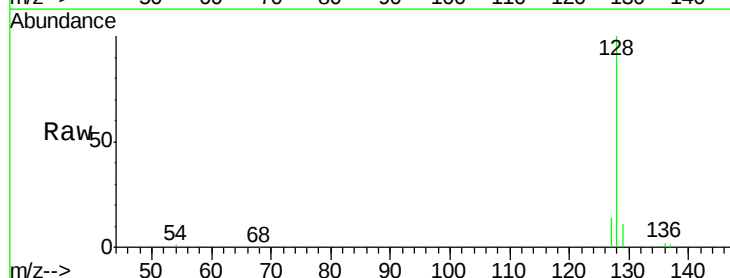
Tgt Ion: 128 Resp: 25588

Ion Ratio Lower Upper

128 100

129 10.6 9.4 14.0

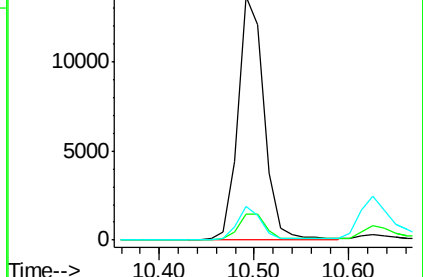
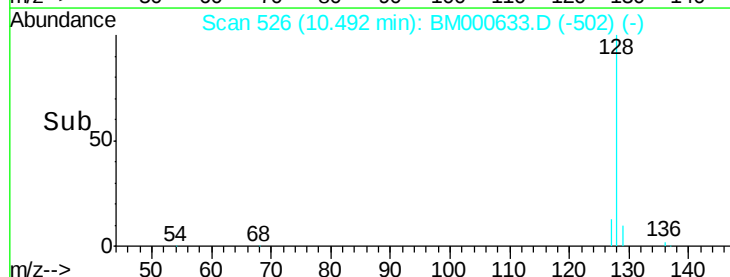
127 13.6 10.0 15.0

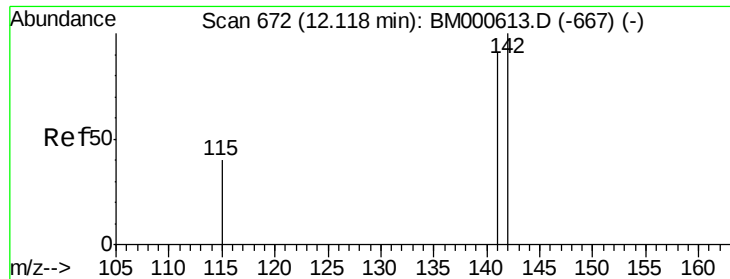


Abundance Ion 128.00 (127.70 to 128.70): BM000633.D (-519) (-)

Ion 129.00 (128.70 to 129.70): BM000633.D (-519) (-)

Ion 127.00 (126.70 to 127.70): BM000633.D (-519) (-)





#7

2-Methylnaphthalene

Concen: 0.43 ng/ul

RT: 12.12 min Scan# 672

Delta R.T. -0.00 min

Lab File: BM000633.D

Acq: 28 Feb 2015 08:41

Instrument :

BNA_M

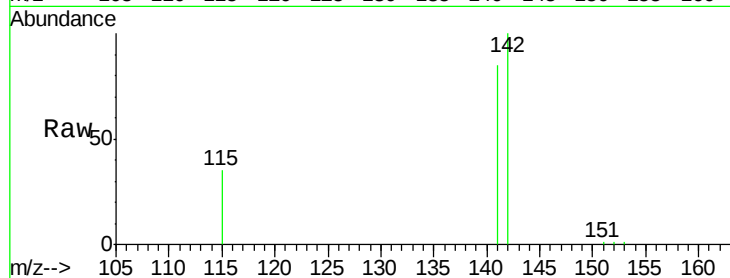
ClientSampled :

Tgt Ion:142 Resp: 17372

Ion Ratio Lower Upper

142 100

141 86.9 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

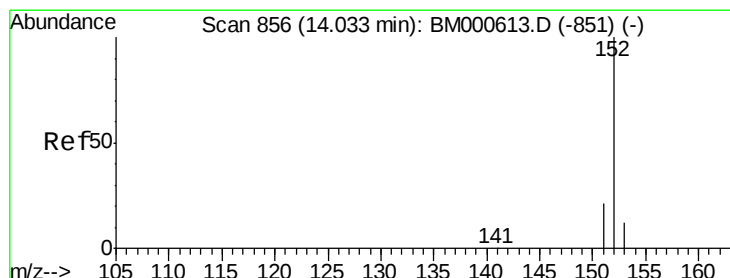
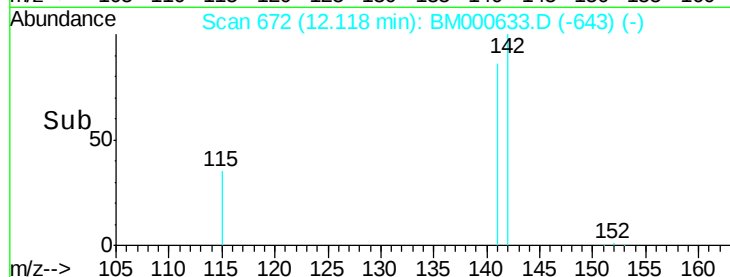
6000

4000

2000

0

Time--> 12.00 12.20



#9

Acenaphthylene

Concen: 0.49 ng/ul

RT: 14.03 min Scan# 856

Delta R.T. -0.00 min

Lab File: BM000633.D

Acq: 28 Feb 2015 08:41

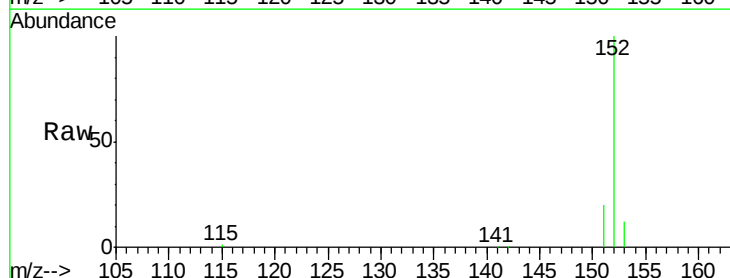
Tgt Ion:152 Resp: 23038

Ion Ratio Lower Upper

152 100

151 20.0 17.0 25.6

153 12.4 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

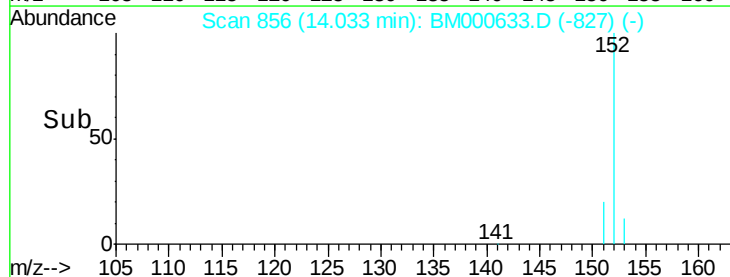
15000

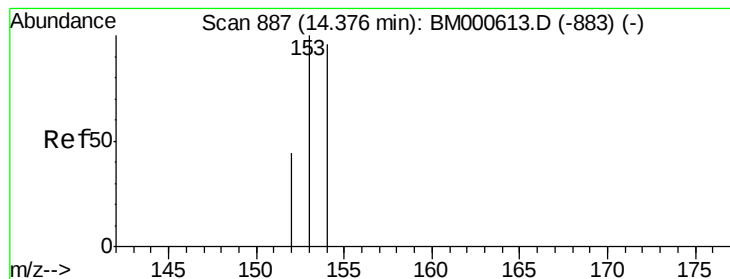
10000

5000

0

Time--> 14.00 14.20





#10

Acenaphthene

Concen: 0.50 ng/ul

RT: 14.38 min Scan# 887

Delta R.T. -0.00 min

Lab File: BM000633.D

Acq: 28 Feb 2015 08:41

Instrument :

BNA_M

ClientSampleId :

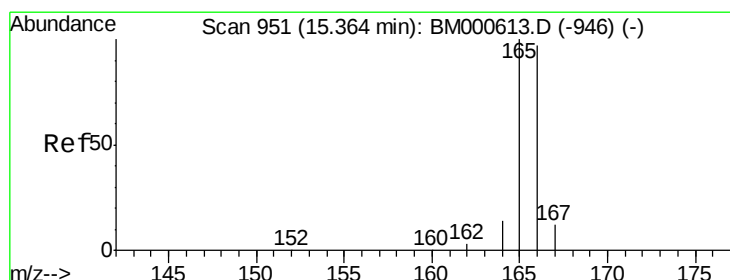
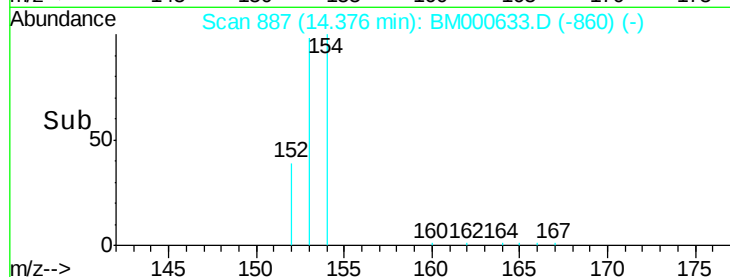
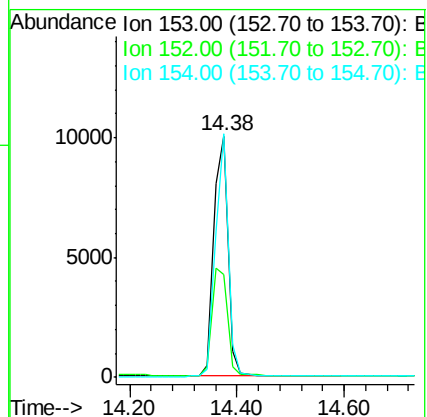
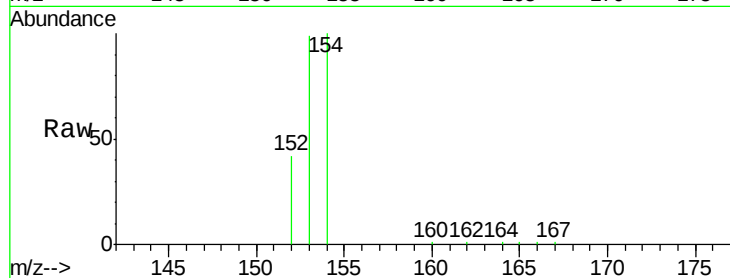
Tgt Ion:153 Resp: 18374

Ion Ratio Lower Upper

153 100

152 42.5 35.9 53.9

154 100.8 76.9 115.3



#11

Fluorene

Concen: 0.49 ng/ul

RT: 15.36 min Scan# 951

Delta R.T. -0.00 min

Lab File: BM000633.D

Acq: 28 Feb 2015 08:41

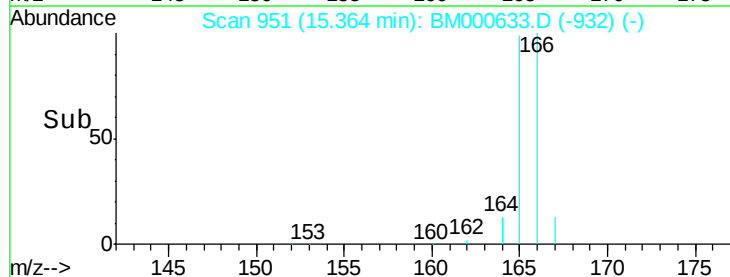
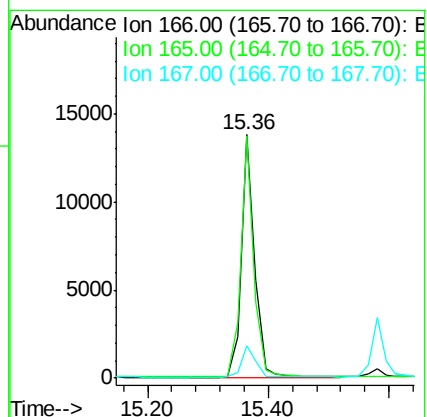
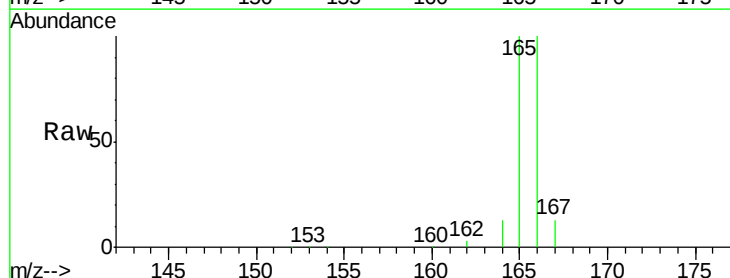
Tgt Ion:166 Resp: 20896

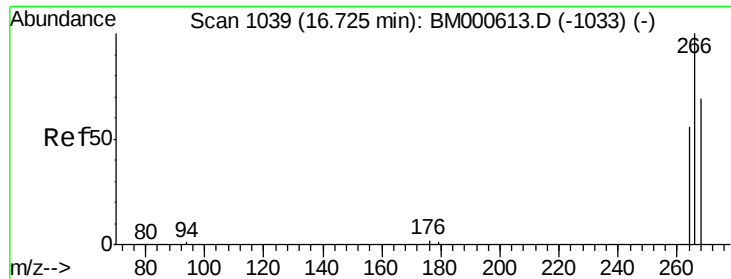
Ion Ratio Lower Upper

166 100

165 99.6 82.5 123.7

167 13.4 10.6 16.0

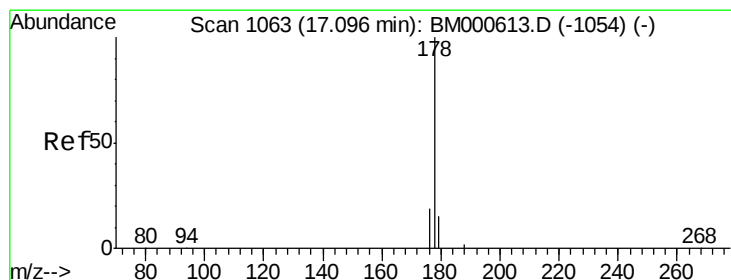
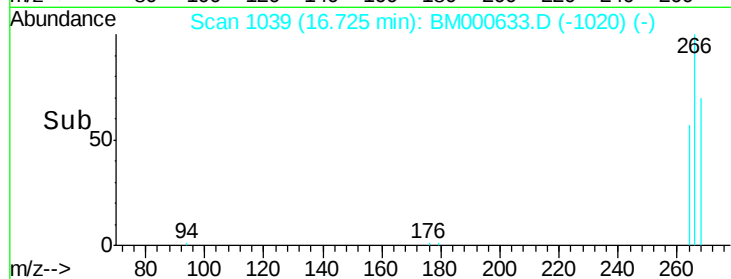
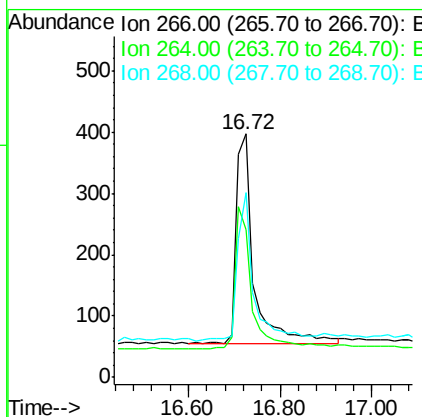
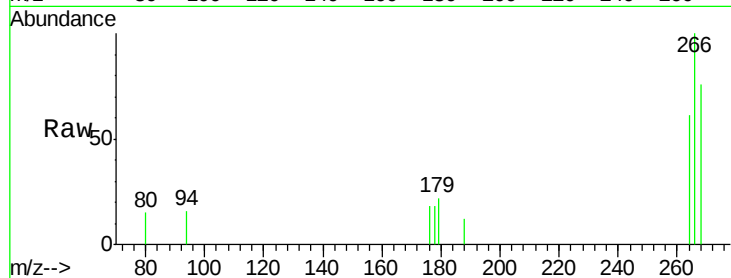




#13
 Pentachlorophenol
 Concen: 0.33 ng/ul
 RT: 16.72 min Scan# 1039
 Delta R.T. -0.00 min
 Lab File: BM000633.D
 Acq: 28 Feb 2015 08:41

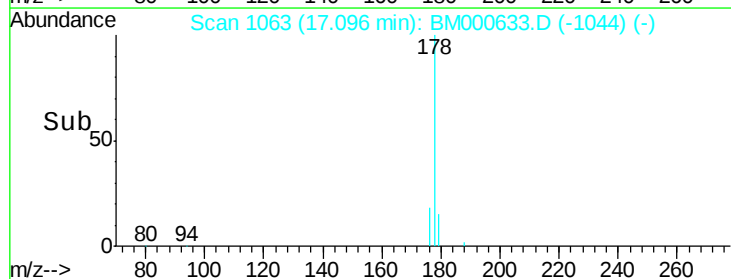
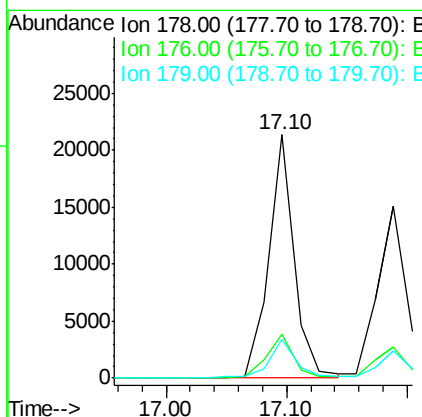
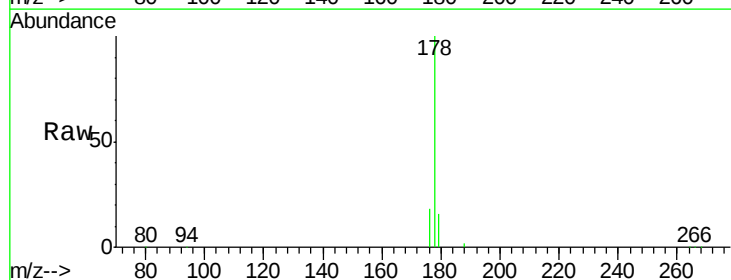
Instrument :
 BNA_M
 ClientSampleId :

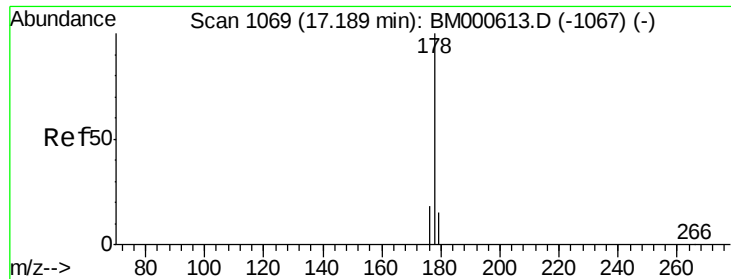
Tgt Ion: 266 Resp: 919
 Ion Ratio Lower Upper
 266 100
 264 61.4 51.0 76.6
 268 65.2 54.9 82.3



#14
 Phenanthrene
 Concen: 0.42 ng/ul
 RT: 17.10 min Scan# 1063
 Delta R.T. -0.00 min
 Lab File: BM000633.D
 Acq: 28 Feb 2015 08:41

Tgt Ion: 178 Resp: 31038
 Ion Ratio Lower Upper
 178 100
 176 18.3 15.3 22.9
 179 15.7 12.2 18.2





#15

Anthracene

Concen: 0.42 ng/ul

RT: 17.19 min Scan# 1069

Delta R.T. -0.00 min

Lab File: BM000633.D

Acq: 28 Feb 2015 08:41

Instrument :

BNA_M

ClientSampled :

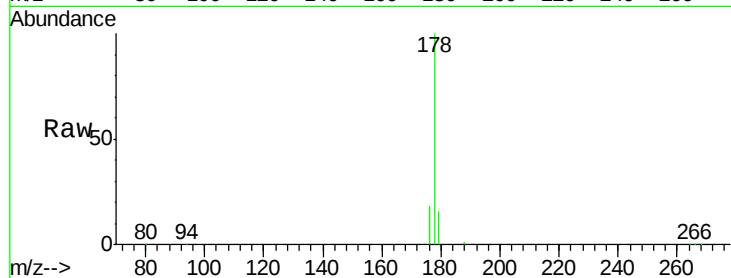
Tgt Ion:178 Resp: 26680

Ion Ratio Lower Upper

178 100

176 17.8 14.6 22.0

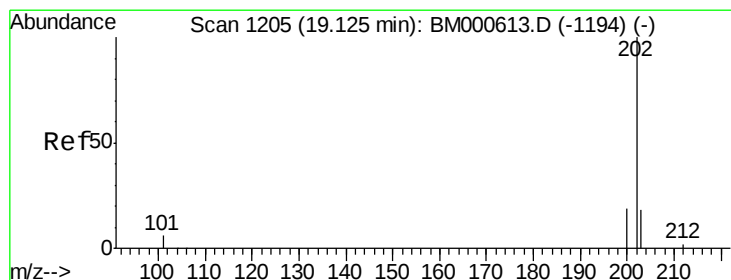
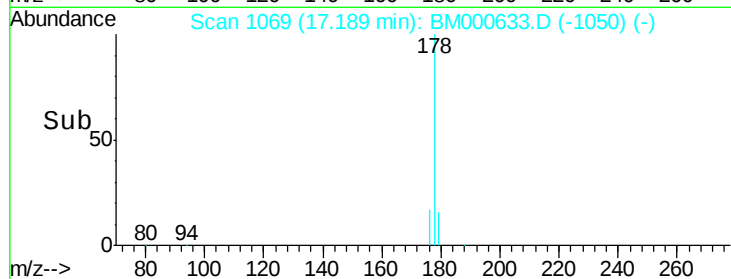
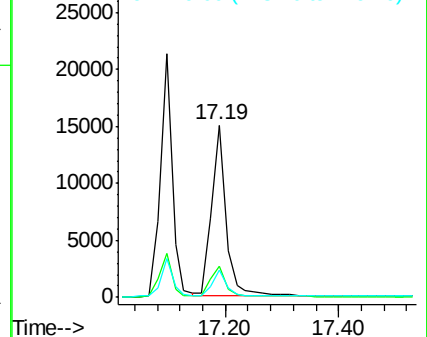
179 16.2 12.9 19.3



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: 0.40 ng/ul

RT: 19.12 min Scan# 1205

Delta R.T. -0.00 min

Lab File: BM000633.D

Acq: 28 Feb 2015 08:41

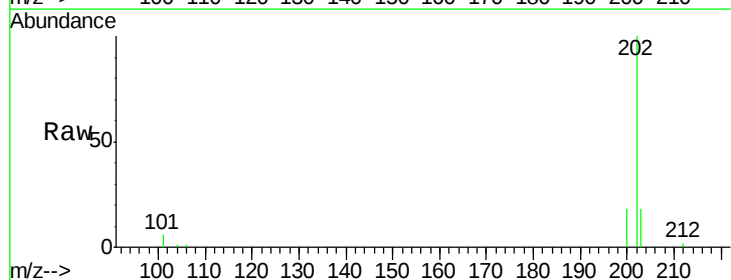
Tgt Ion:202 Resp: 30607

Ion Ratio Lower Upper

202 100

101 6.2 0.0 26.2

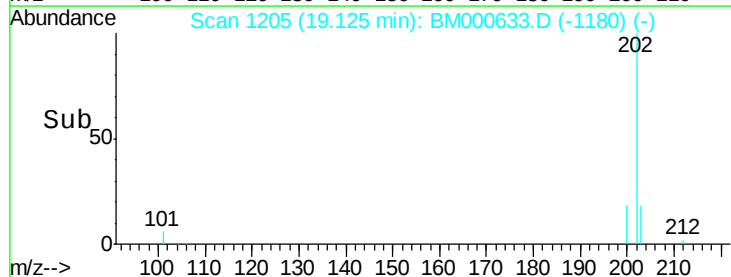
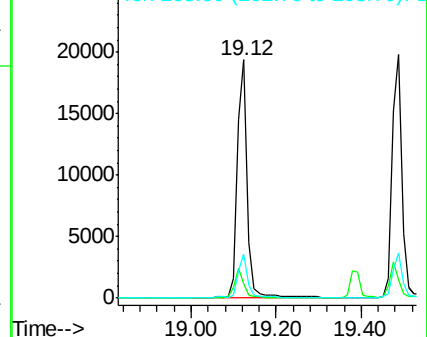
203 18.3 0.0 38.3

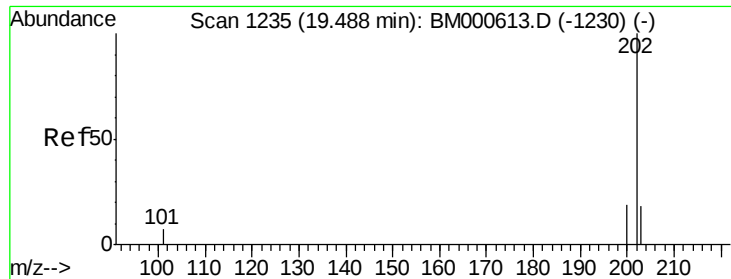


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E





#19

Pyrene

Concen: 0.46 ng/ul

RT: 19.49 min Scan# 1235

Delta R.T. -0.00 min

Lab File: BM000633.D

Acq: 28 Feb 2015 08:41

Instrument :

BNA_M

ClientSampleId :

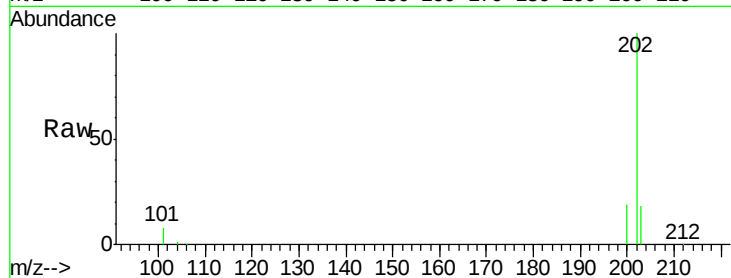
Tgt Ion:202 Resp: 31724

Ion Ratio Lower Upper

202 100

200 18.7 15.7 23.5

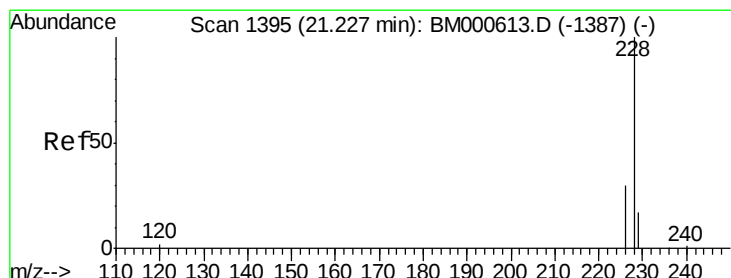
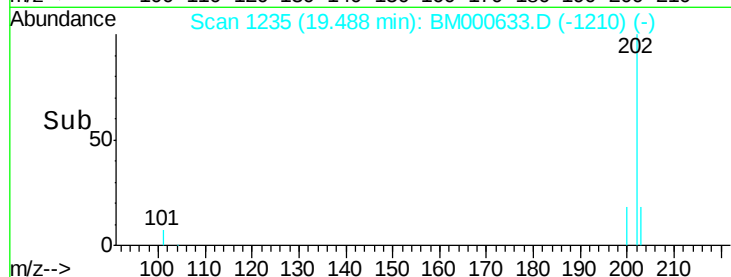
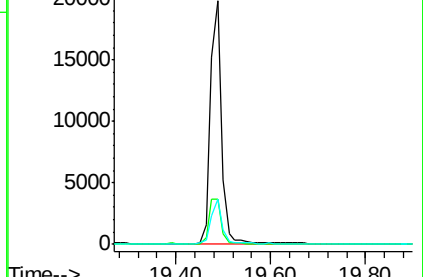
203 18.4 14.8 22.2



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: 0.43 ng/ul

RT: 21.23 min Scan# 1395

Delta R.T. -0.00 min

Lab File: BM000633.D

Acq: 28 Feb 2015 08:41

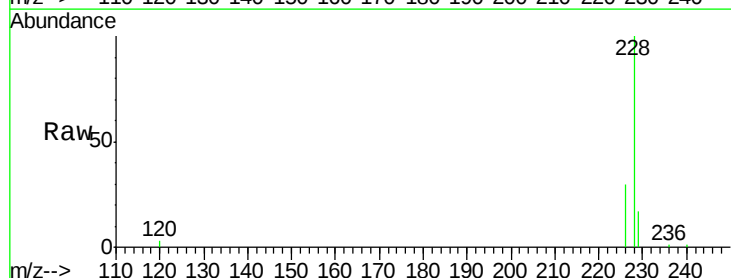
Tgt Ion:228 Resp: 21001

Ion Ratio Lower Upper

228 100

226 29.5 24.1 36.1

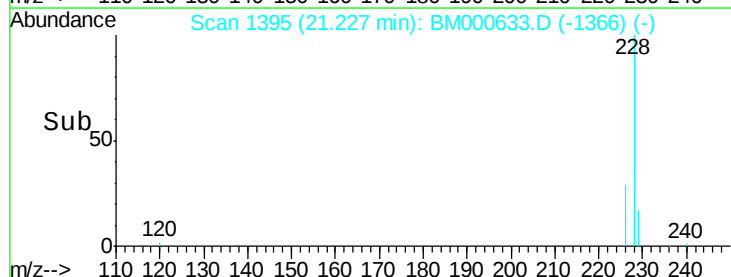
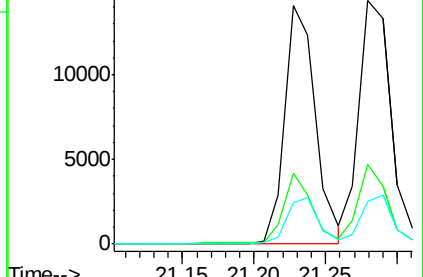
229 17.2 14.2 21.4

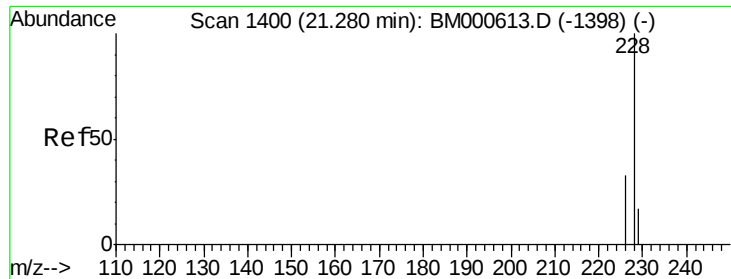


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#21

Chrysene

Concen: 0.41 ng/ul

RT: 21.28 min Scan# 1400

Delta R.T. -0.00 min

Lab File: BM000633.D

Acq: 28 Feb 2015 08:41

Instrument :

BNA_M

ClientSampleId :

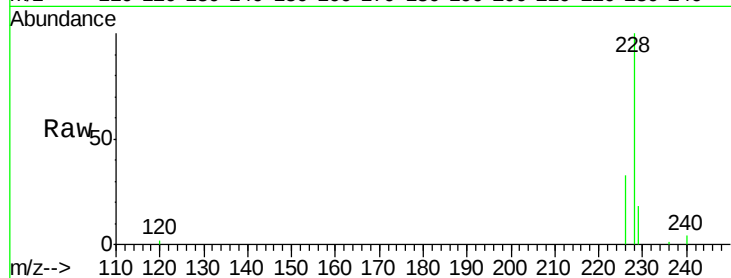
Tgt Ion:228 Resp: 23594

Ion Ratio Lower Upper

228 100

226 32.5 26.5 39.7

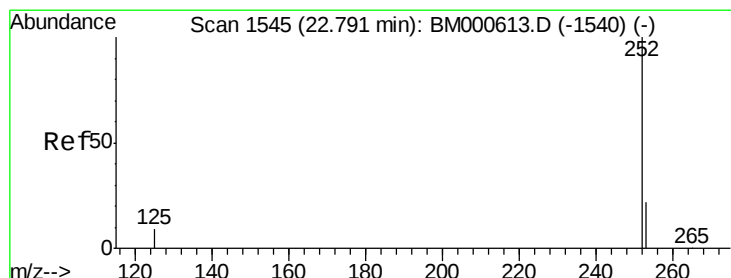
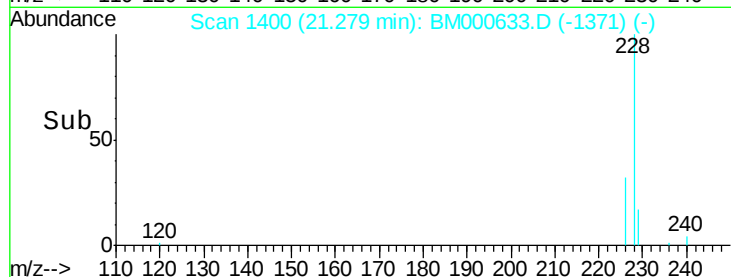
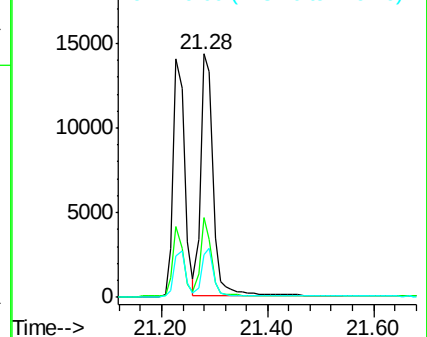
229 17.7 14.3 21.5



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: 0.44 ng/ul

RT: 22.79 min Scan# 1545

Delta R.T. -0.00 min

Lab File: BM000633.D

Acq: 28 Feb 2015 08:41

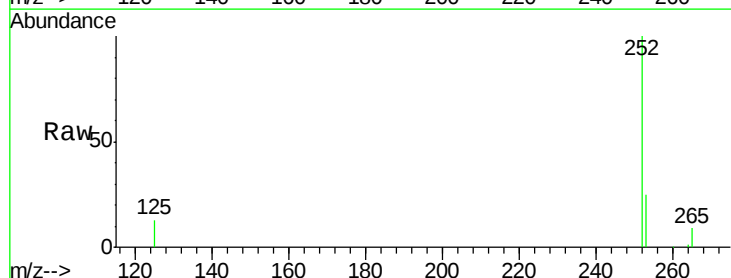
Tgt Ion:252 Resp: 20914

Ion Ratio Lower Upper

252 100

253 25.2 0.0 51.2

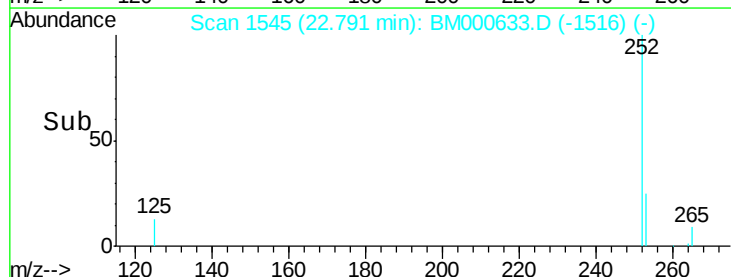
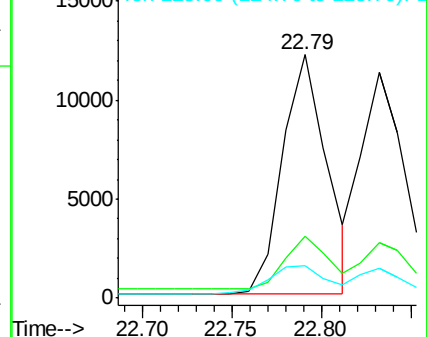
125 13.5 0.0 22.8

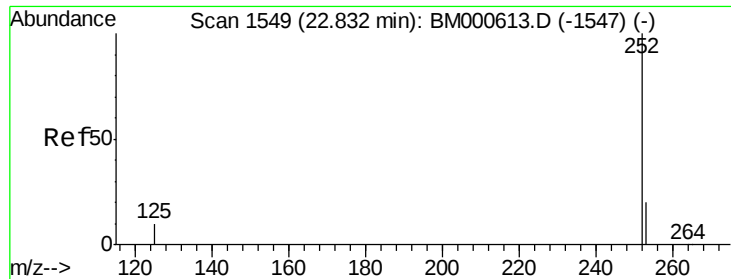


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#24

Benzo(k)fluoranthene

Concen: 0.43 ng/ul

RT: 22.83 min Scan# 1549

Delta R.T. -0.00 min

Lab File: BM000633.D

Acq: 28 Feb 2015 08:41

Instrument :

BNA_M

ClientSampleId :

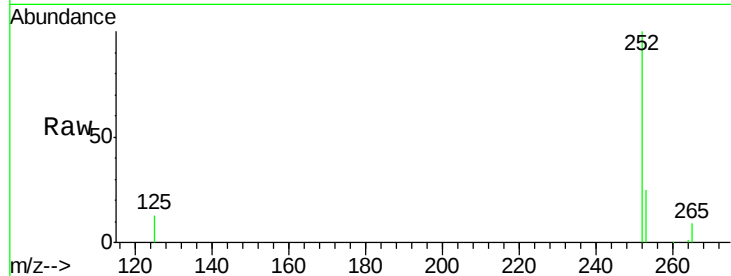
Tgt Ion:252 Resp: 20561

Ion Ratio Lower Upper

252 100

253 24.7 20.2 30.2

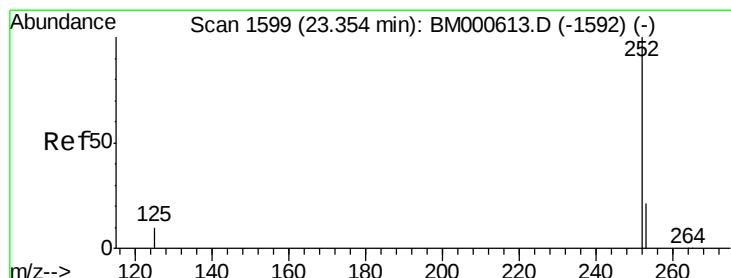
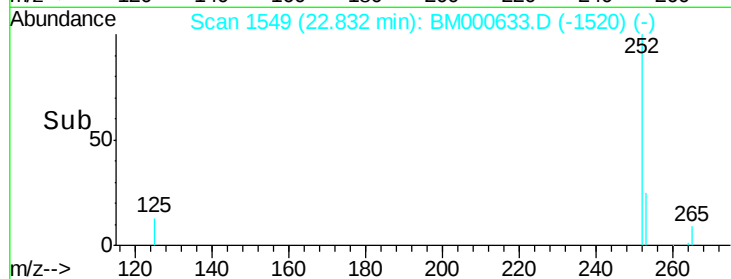
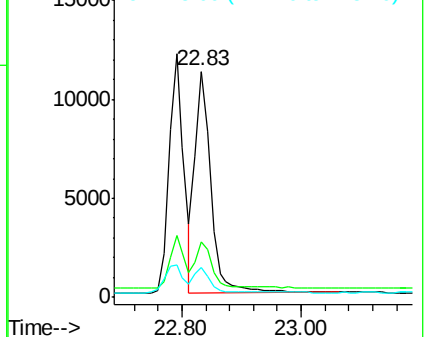
125 13.3 9.6 14.4



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: 0.42 ng/ul

RT: 23.35 min Scan# 1599

Delta R.T. -0.00 min

Lab File: BM000633.D

Acq: 28 Feb 2015 08:41

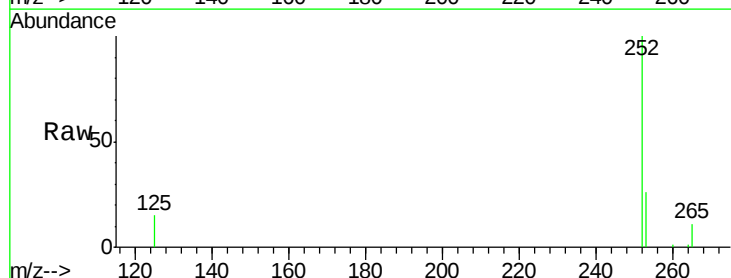
Tgt Ion:252 Resp: 19219

Ion Ratio Lower Upper

252 100

253 25.9 21.3 31.9

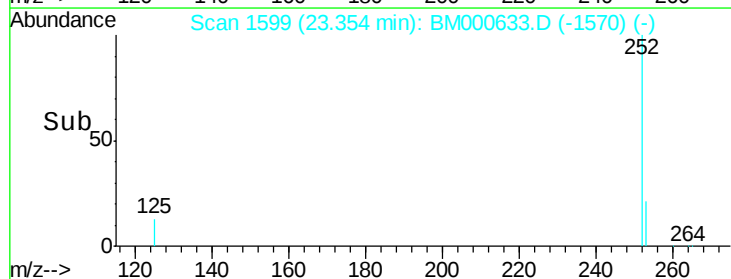
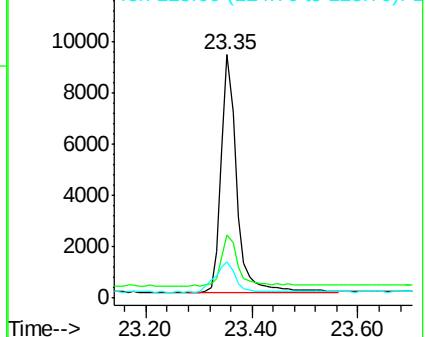
125 15.1 10.6 15.8

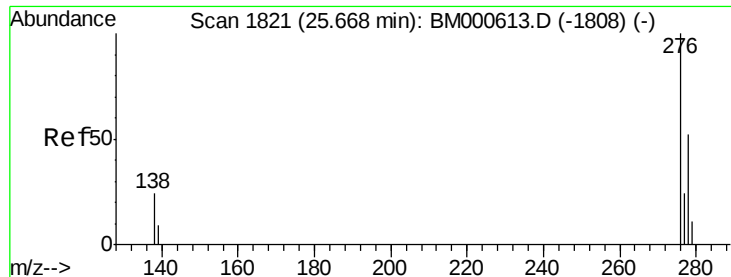


Abundance Ion 252.00 (251.70 to 252.70): E

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: 0.42 ng/ul

RT: 25.67 min Scan# 1821

Delta R.T. -0.00 min

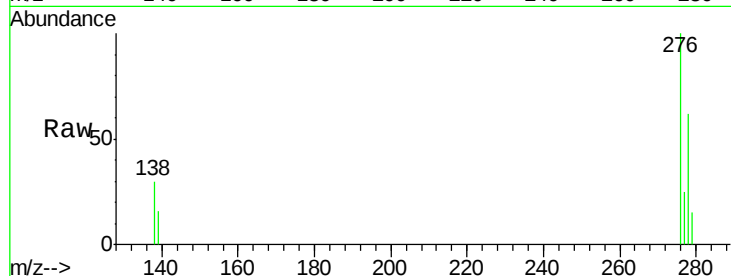
Lab File: BM000633.D

Acq: 28 Feb 2015 08:41

Instrument :

BNA_M

ClientSampleId :



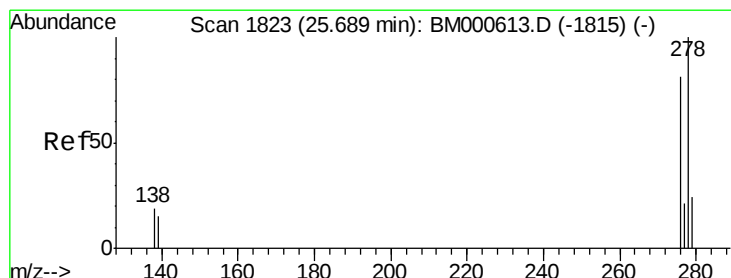
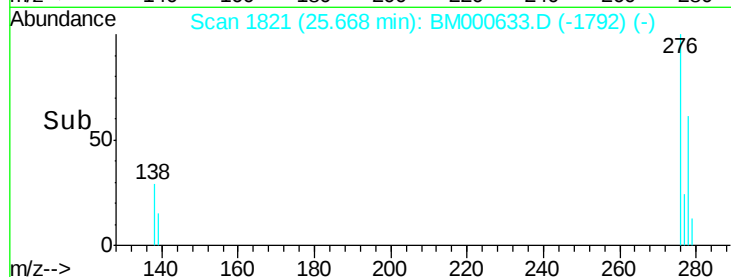
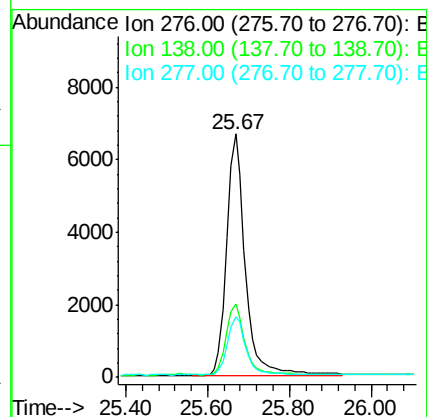
Tgt Ion:276 Resp: 21180

Ion Ratio Lower Upper

276 100

138 30.1 19.7 29.5#

277 24.6 19.9 29.9



#27

Dibenzo(a,h)anthracene

Concen: 0.42 ng/ul

RT: 25.68 min Scan# 1822

Delta R.T. -0.01 min

Lab File: BM000633.D

Acq: 28 Feb 2015 08:41

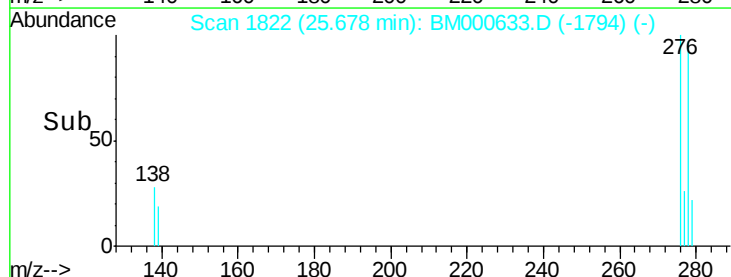
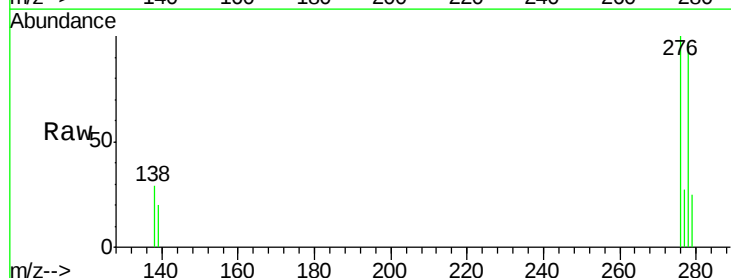
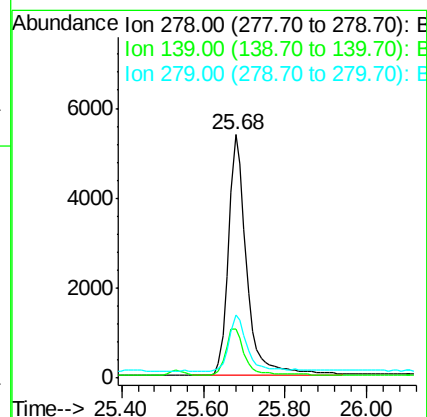
Tgt Ion:278 Resp: 16829

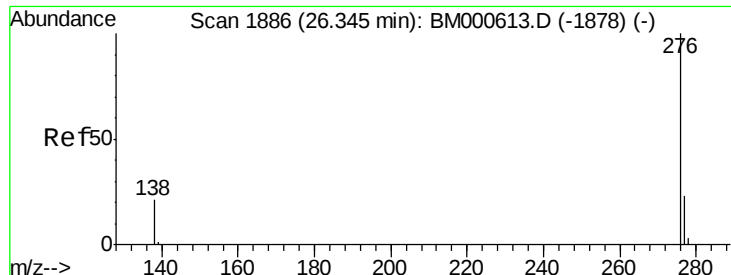
Ion Ratio Lower Upper

278 100

139 20.4 13.3 19.9#

279 25.9 21.9 32.9





#28

Benzo(g,h,i)perylene

Concen: 0.42 ng/ul

RT: 26.35 min Scan# 1886

Delta R.T. -0.00 min

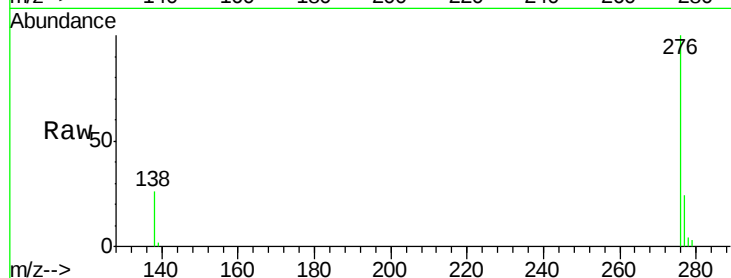
Lab File: BM000633.D

Acq: 28 Feb 2015 08:41

Instrument :

BNA_M

ClientSampleId :



Tgt Ion: 276 Resp: 18581

Ion Ratio Lower Upper

276 100

277 24.3 19.8 29.8

138 25.8 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

