

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM030315\
 Data File : BM000621.D
 Acq On : 03 Mar 2015 18:00
 Operator : TP/IZ
 Sample : SSTD00141
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 SSTD00141

Quant Time: Mar 04 02:44:47 2015
 Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM01.2-EPA-SIM-BM030315.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Mar 04 02:34:44 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.67	152	8260	0.40	ng/ul	0.00
4) Naphthalene-d8	10.44	136	29679	0.40	ng/ul	-0.01
8) Acenaphthene-d10	14.31	164	13126	0.40	ng/ul	0.00
12) Phenanthrene-d10	17.05	188	28704	0.40	ng/ul	0.00
18) Chrysene-d12	21.26	240	18058	0.40	ng/ul	0.00
22) Perylene-d12	23.46	264	13666	0.40	ng/ul	0.00

System Monitoring Compounds						
2) 1,4-Dioxane-d8	3.14	96	39111	6.75	ng/uL	0.00
6) 2-Methylnaphthalene-d10	12.04	152	35848	0.97	ng/ul	0.00
16) Fluoranthene-d10	19.09	212	48017	0.88	ng/ul	0.00

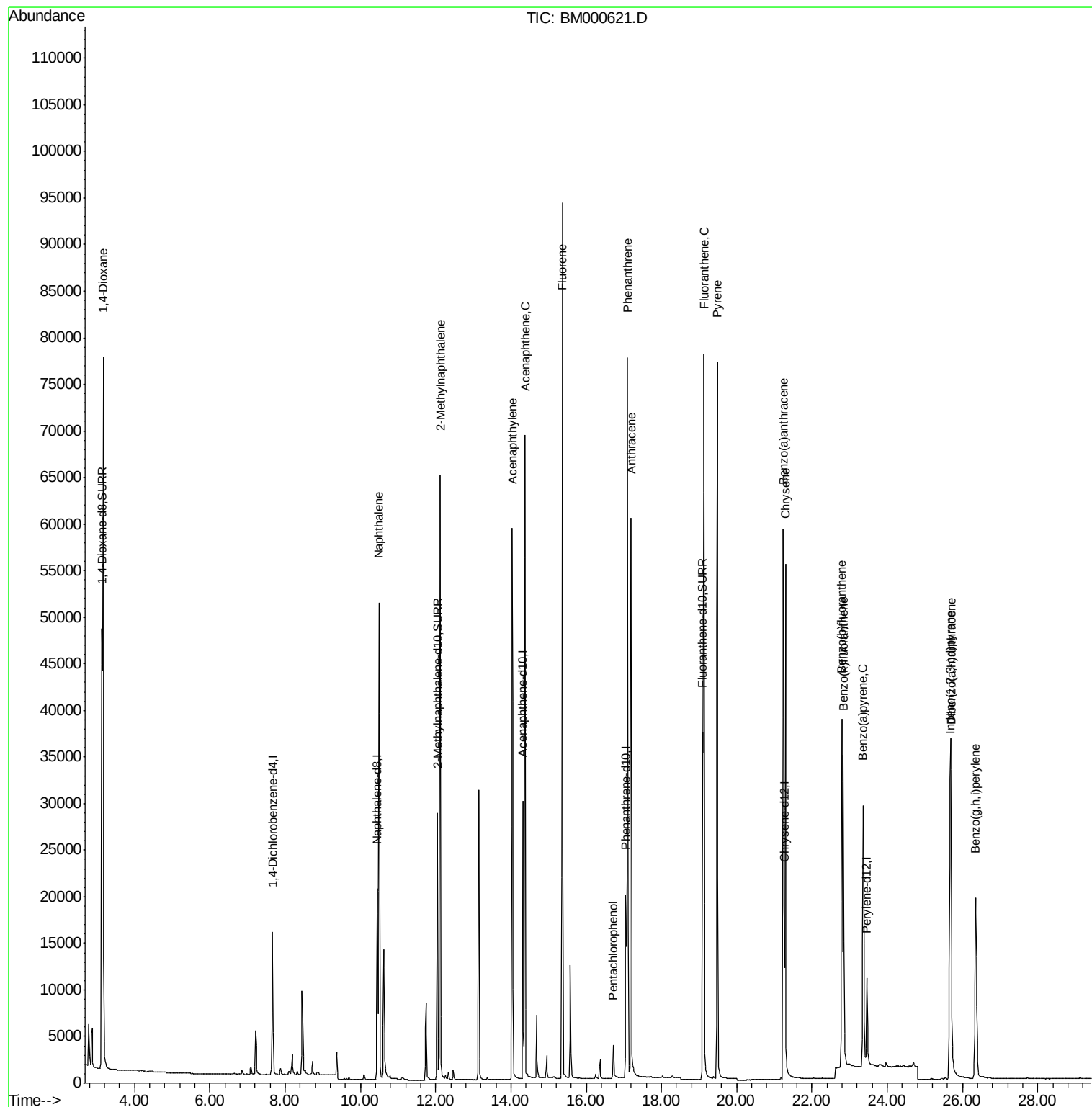
Target Compounds				Qvalue		
3) 1,4-Dioxane	3.17	88	54577	6.01	ng/ul#	82
5) Naphthalene	10.49	128	72897	0.96	ng/ul	99
7) 2-Methylnaphthalene	12.12	142	50275	0.99	ng/ul	100
9) Acenaphthylene	14.03	152	70276	1.20	ng/ul	99
10) Acenaphthene	14.38	153	53275	1.16	ng/ul	98
11) Fluorene	15.36	166	58897	1.10	ng/ul	99
13) Pentachlorophenol	16.71	266	3895	1.37	ng/ul	97
14) Phenanthrene	17.10	178	80460	0.96	ng/ul	99
15) Anthracene	17.19	178	73869	1.02	ng/ul	99
17) Fluoranthene	19.12	202	82461	0.95	ng/ul	99
19) Pyrene	19.49	202	77346	1.00	ng/ul	100
20) Benzo(a)anthracene	21.24	228	51138	0.98	ng/ul	99
21) Chrysene	21.29	228	55426	0.89	ng/ul	99
23) Benzo(b)fluoranthene	22.79	252	47638	1.00	ng/ul	93
24) Benzo(k)fluoranthene	22.83	252	49219	1.00	ng/ul	93
25) Benzo(a)pyrene	23.35	252	45484	1.00	ng/ul#	90
26) Indeno(1,2,3-cd)pyrene	25.67	276	47735	0.95	ng/ul	98
27) Dibenzo(a,h)anthracene	25.69	278	38287	0.97	ng/ul	96
28) Benzo(g,h,i)perylene	26.35	276	41449	0.93	ng/ul	97

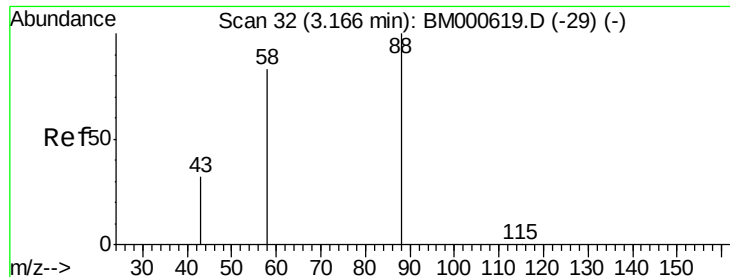
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

1,4-Dioxane

Concen: 6.01 ng/ul

RT: 3.17 min Scan# 32

Delta R.T. 0.00 min

Lab File: BM000621.D

Acq: 03 Mar 2015 18:00

Instrument :

BNA_M

ClientSampleId :

SSTD00141

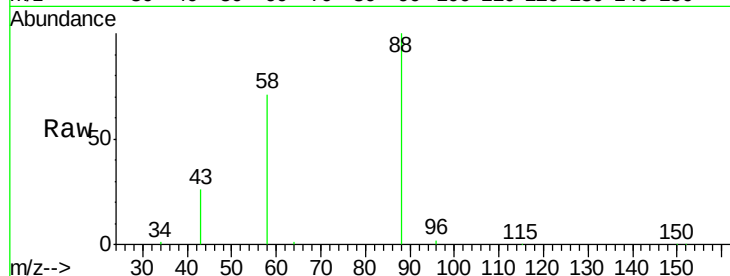
Tgt Ion: 88 Resp: 54577

Ion Ratio Lower Upper

88 100

58 86.1 55.4 83.2#

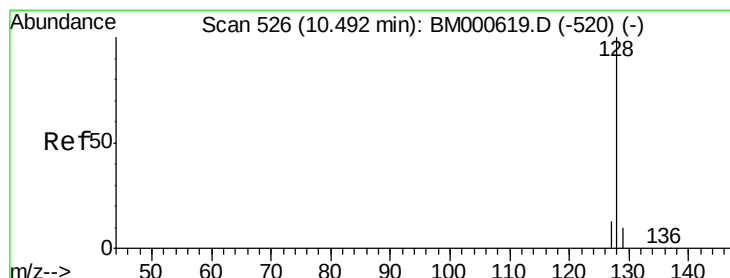
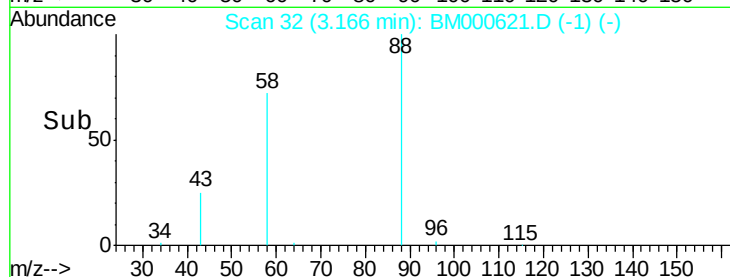
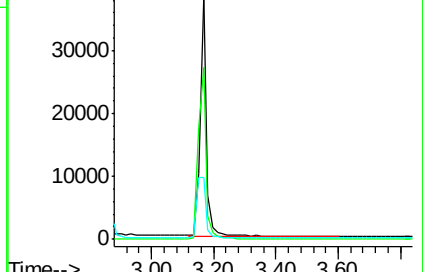
43 36.5 24.2 36.2#



Abundance Ion 88.00 (87.70 to 88.70): BM000621.D (-29) (-)

Ion 58.00 (57.70 to 58.70): BM000621.D (-29) (-)

Ion 43.00 (42.70 to 43.70): BM000621.D (-29) (-)



#5

Naphthalene

Concen: 0.96 ng/ul

RT: 10.49 min Scan# 526

Delta R.T. 0.00 min

Lab File: BM000621.D

Acq: 03 Mar 2015 18:00

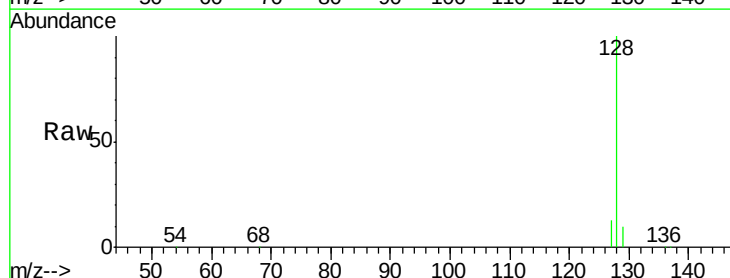
Tgt Ion: 128 Resp: 72897

Ion Ratio Lower Upper

128 100

129 10.4 8.5 12.7

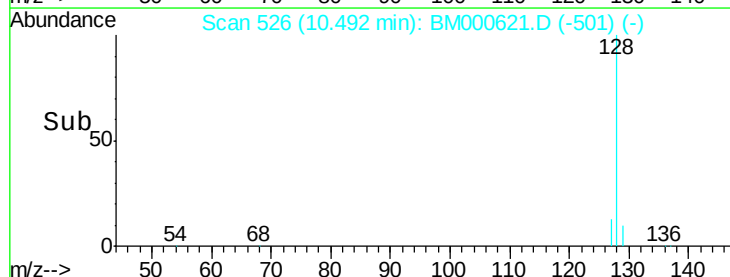
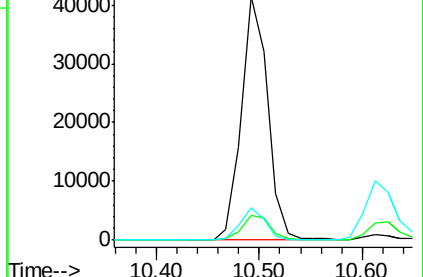
127 13.2 11.0 16.6

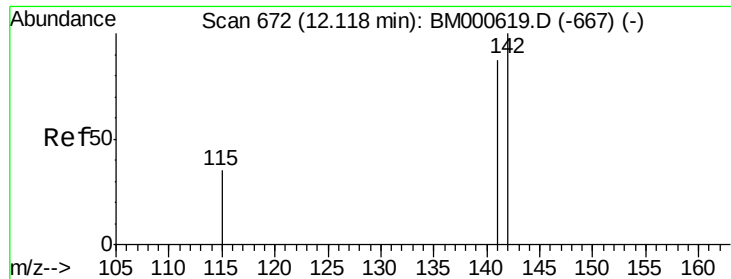


Abundance Ion 128.00 (127.70 to 128.70): BM000621.D (-520) (-)

Ion 129.00 (128.70 to 129.70): BM000621.D (-520) (-)

Ion 127.00 (126.70 to 127.70): BM000621.D (-520) (-)





#7

2-Methylnaphthalene

Concen: 0.99 ng/ul

RT: 12.12 min Scan# 672

Delta R.T. 0.00 min

Lab File: BM000621.D

Acq: 03 Mar 2015 18:00

Instrument :

BNA_M

ClientSampleId :

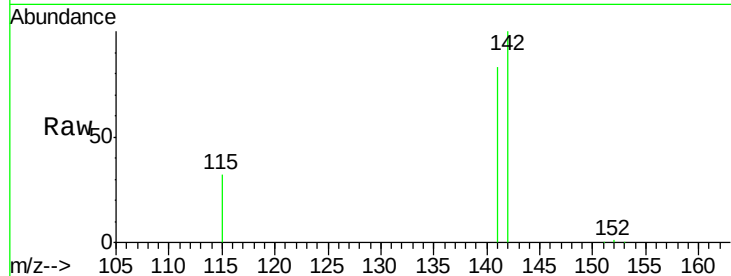
SSTD00141

Tgt Ion:142 Resp: 50275

Ion Ratio Lower Upper

142 100

141 87.9 70.6 106.0



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

12.12

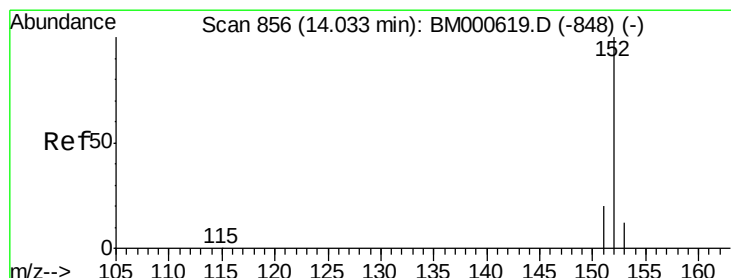
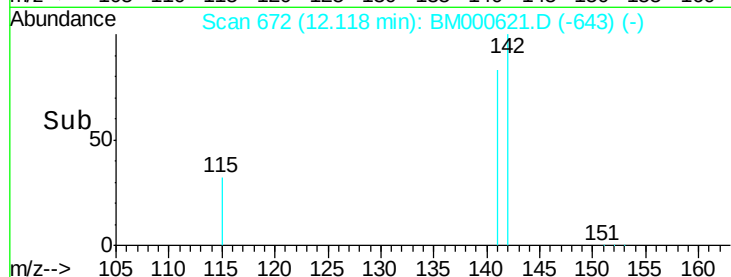
30000

20000

10000

0

Time--> 12.00 12.20



#9

Acenaphthylene

Concen: 1.20 ng/ul

RT: 14.03 min Scan# 856

Delta R.T. 0.00 min

Lab File: BM000621.D

Acq: 03 Mar 2015 18:00

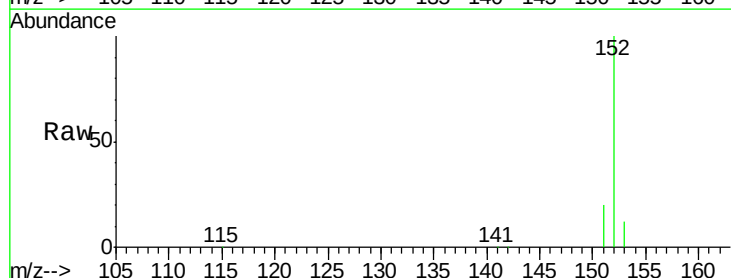
Tgt Ion:152 Resp: 70276

Ion Ratio Lower Upper

152 100

151 19.8 16.0 24.0

153 12.5 10.2 15.4



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

60000

50000

40000

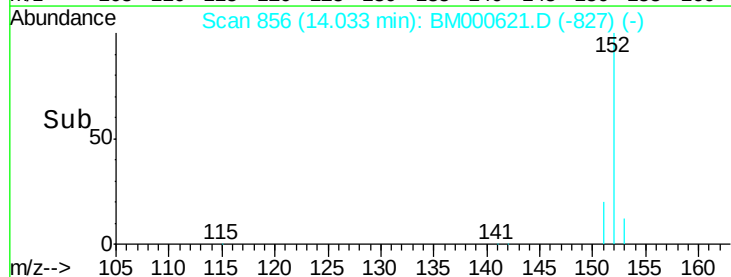
30000

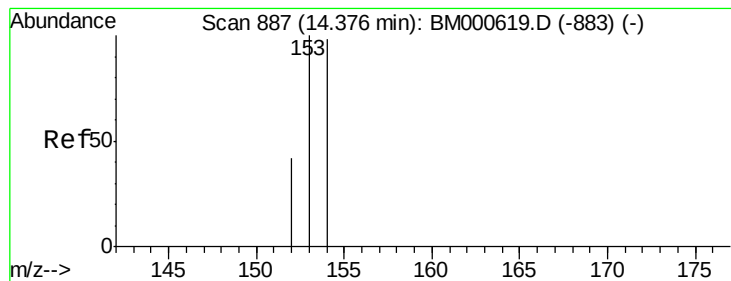
20000

10000

0

Time--> 14.00 14.20





#10

Acenaphthene

Concen: 1.16 ng/ul

RT: 14.38 min Scan# 887

Delta R.T. 0.00 min

Lab File: BM000621.D

Acq: 03 Mar 2015 18:00

Instrument :

BNA_M

ClientSampleId :

SSTD00141

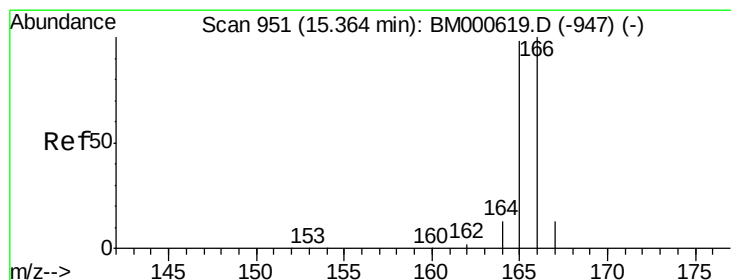
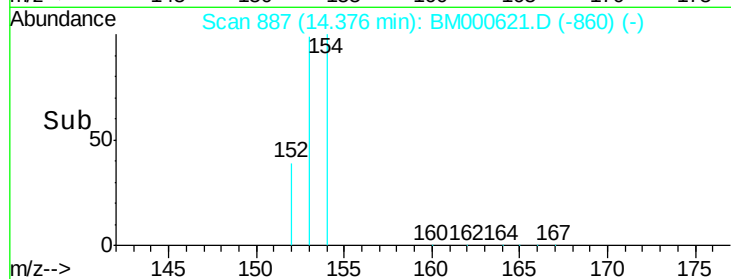
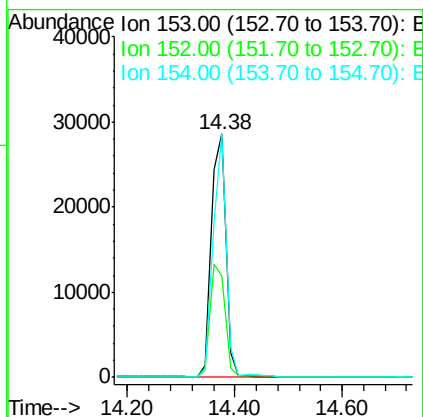
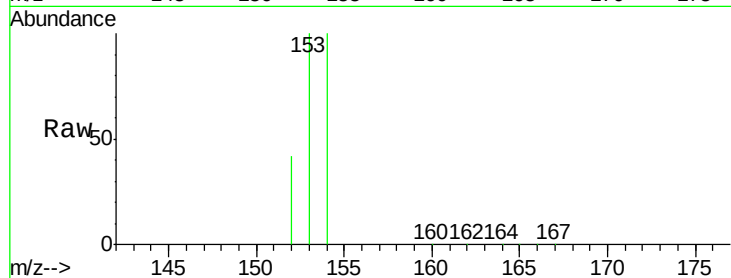
Tgt Ion:153 Resp: 53275

Ion Ratio Lower Upper

153 100

152 41.8 34.2 51.2

154 100.1 78.8 118.2



#11

Fluorene

Concen: 1.10 ng/ul

RT: 15.36 min Scan# 951

Delta R.T. 0.00 min

Lab File: BM000621.D

Acq: 03 Mar 2015 18:00

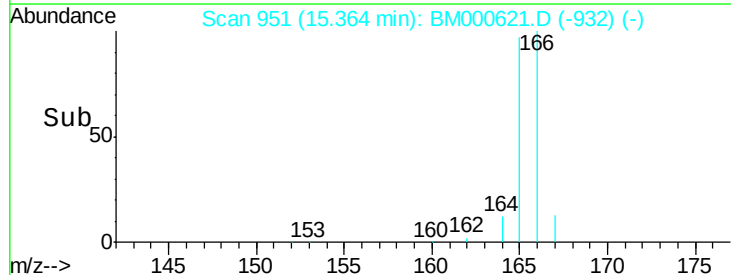
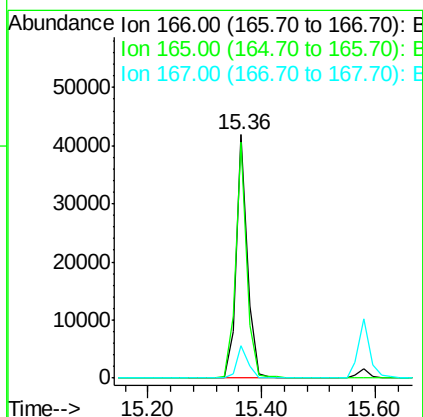
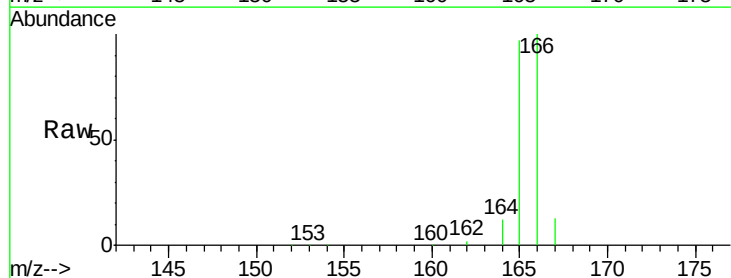
Tgt Ion:166 Resp: 58897

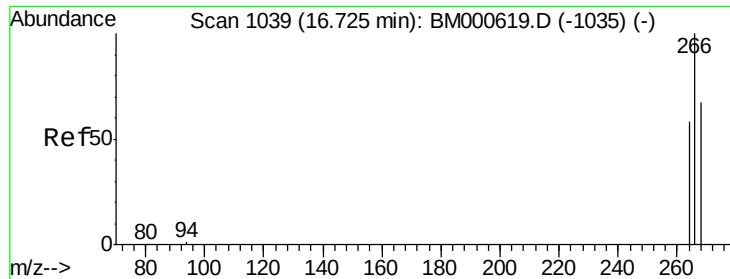
Ion Ratio Lower Upper

166 100

165 97.0 78.5 117.7

167 13.1 10.6 16.0

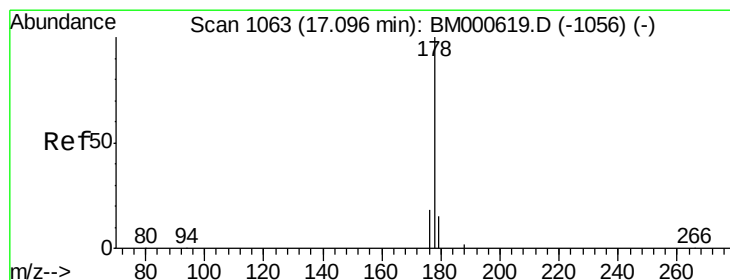
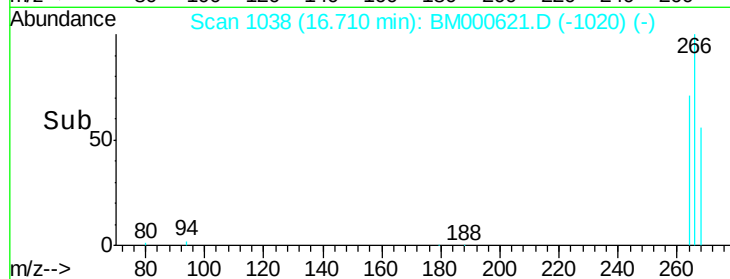
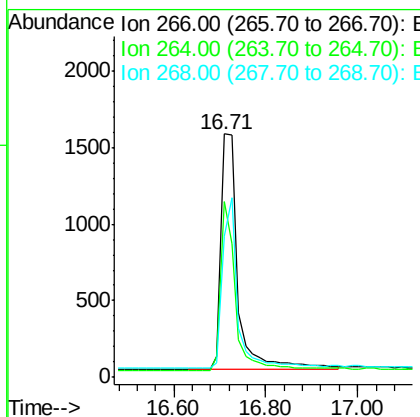
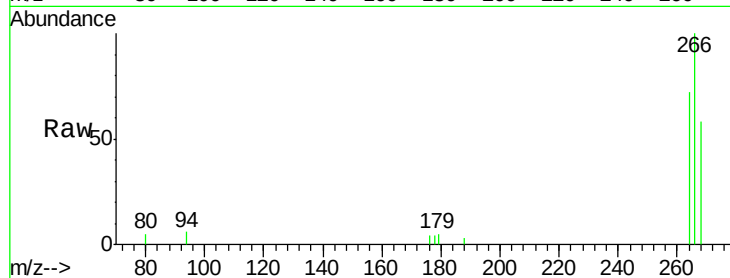




#13
 Pentachlorophenol
 Concen: 1.37 ng/ul
 RT: 16.71 min Scan# 1038
 Delta R.T. -0.02 min
 Lab File: BM000621.D
 Acq: 03 Mar 2015 18:00

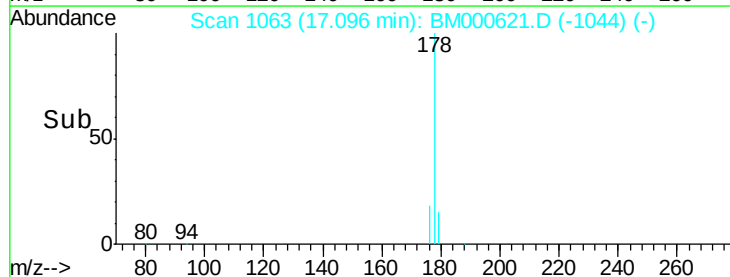
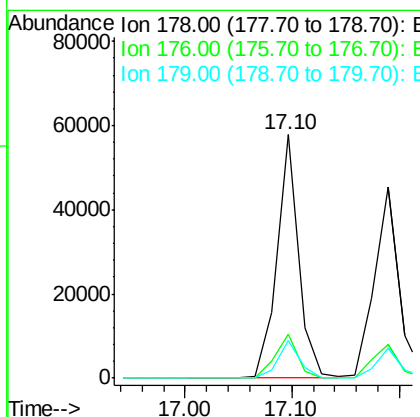
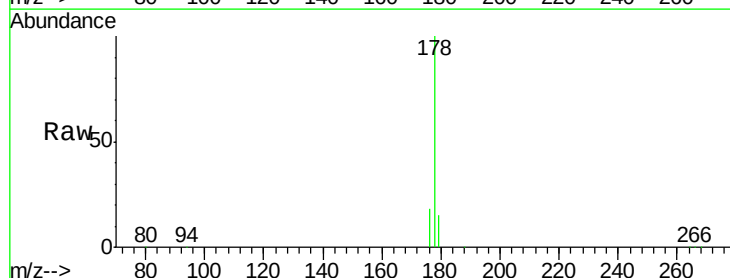
Instrument :
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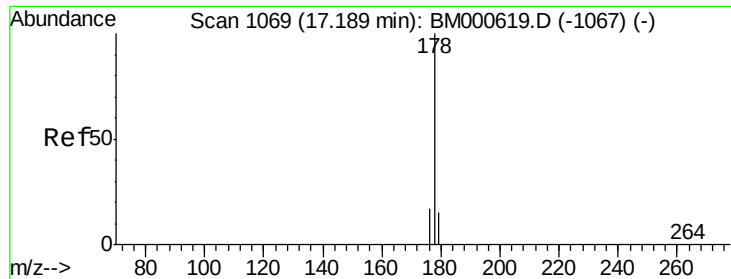
Tgt Ion: 266 Resp: 3895
 Ion Ratio Lower Upper
 266 100
 264 62.2 51.0 76.4
 268 64.4 49.4 74.2



#14
 Phenanthrene
 Concen: 0.96 ng/ul
 RT: 17.10 min Scan# 1063
 Delta R.T. 0.00 min
 Lab File: BM000621.D
 Acq: 03 Mar 2015 18:00

Tgt Ion: 178 Resp: 80460
 Ion Ratio Lower Upper
 178 100
 176 18.2 14.8 22.2
 179 15.4 12.7 19.1





#15

Anthracene

Concen: 1.02 ng/ul

RT: 17.19 min Scan# 1069

Delta R.T. 0.00 min

Lab File: BM000621.D

Acq: 03 Mar 2015 18:00

Instrument :

BNA_M

ClientSampleId :

SSTD00141

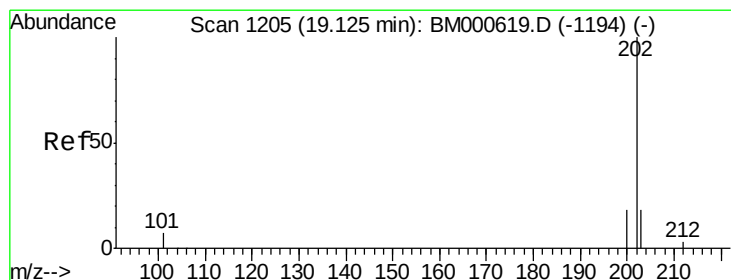
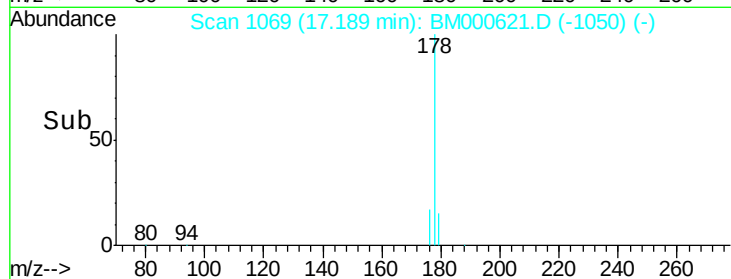
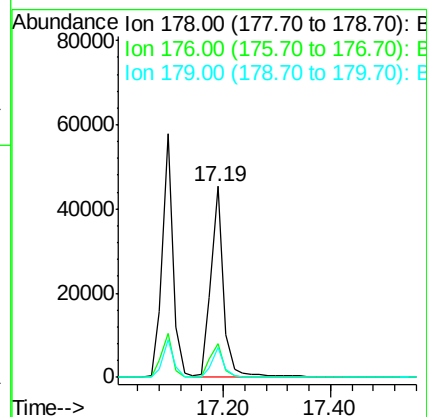
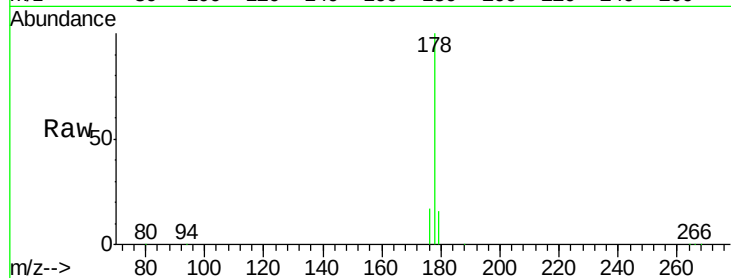
Tgt Ion:178 Resp: 73869

Ion Ratio Lower Upper

178 100

176 17.4 14.2 21.4

179 15.6 12.8 19.2



#17

Fluoranthene

Concen: 0.95 ng/ul

RT: 19.12 min Scan# 1205

Delta R.T. 0.00 min

Lab File: BM000621.D

Acq: 03 Mar 2015 18:00

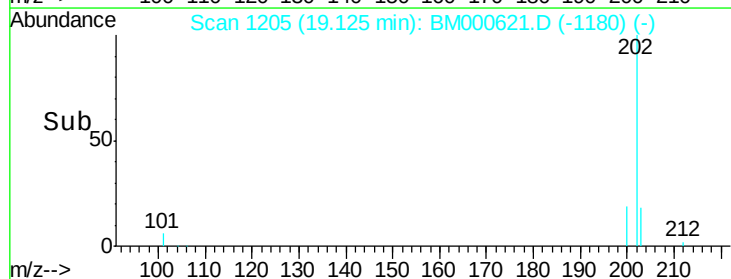
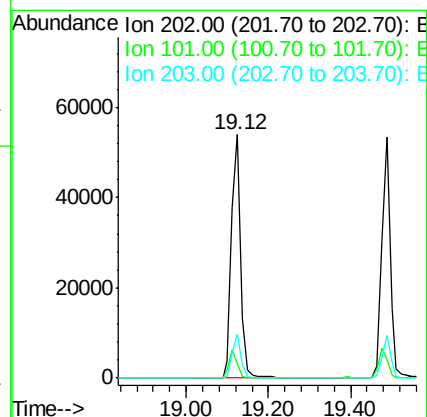
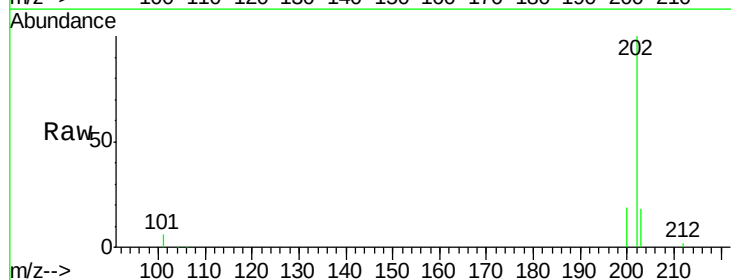
Tgt Ion:202 Resp: 82461

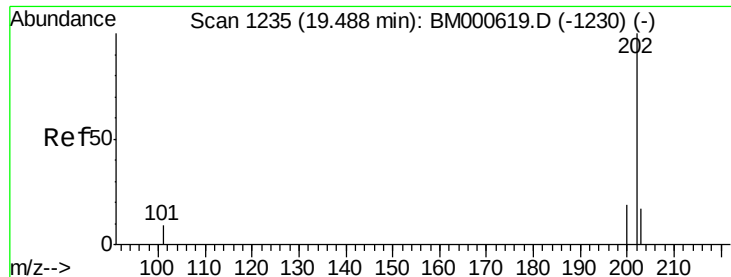
Ion Ratio Lower Upper

202 100

101 6.1 0.0 27.0

203 18.2 0.0 38.5





#19

Pyrene

Concen: 1.00 ng/ul

RT: 19.49 min Scan# 1235

Delta R.T. 0.00 min

Lab File: BM000621.D

Acq: 03 Mar 2015 18:00

Instrument :

BNA_M

ClientSampleId :

SSTD00141

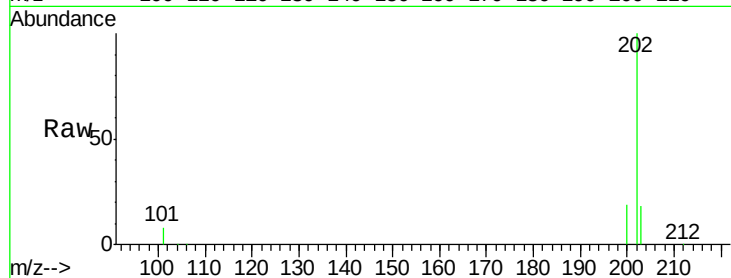
Tgt Ion:202 Resp: 77346

Ion Ratio Lower Upper

202 100

200 19.2 15.5 23.3

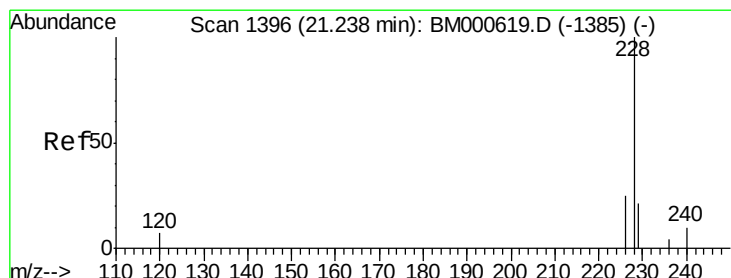
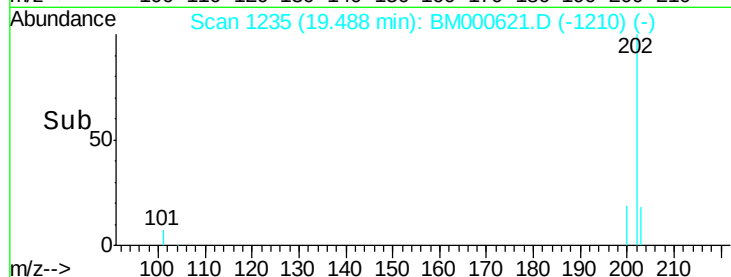
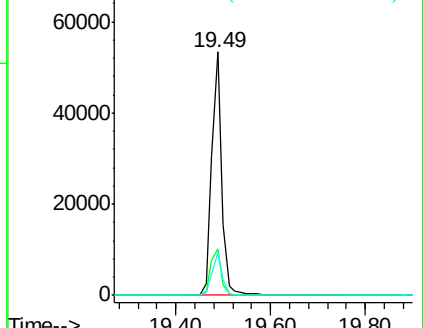
203 17.8 14.2 21.2



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: 0.98 ng/ul

RT: 21.24 min Scan# 1396

Delta R.T. 0.00 min

Lab File: BM000621.D

Acq: 03 Mar 2015 18:00

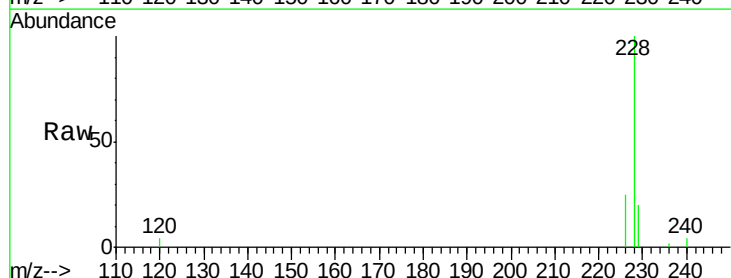
Tgt Ion:228 Resp: 51138

Ion Ratio Lower Upper

228 100

226 25.3 20.0 30.0

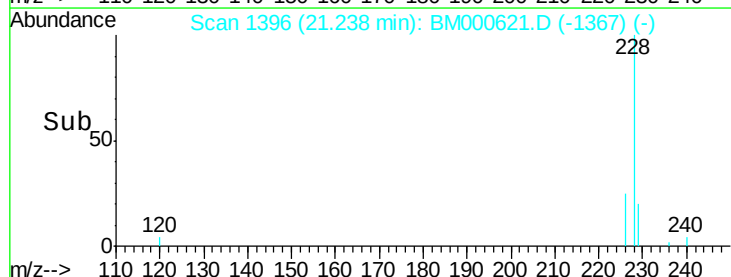
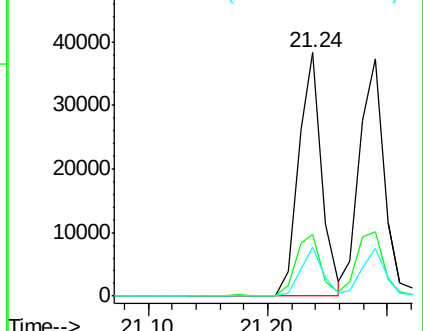
229 20.2 16.7 25.1

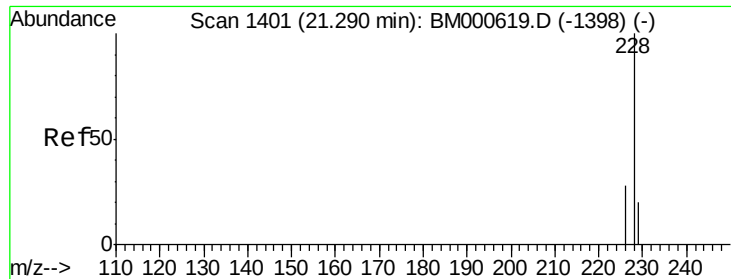


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#21

Chrysene

Concen: 0.89 ng/ul

RT: 21.29 min Scan# 1401

Delta R.T. 0.00 min

Lab File: BM000621.D

Acq: 03 Mar 2015 18:00

Instrument :

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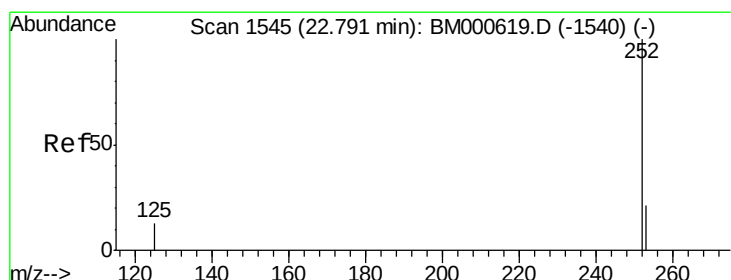
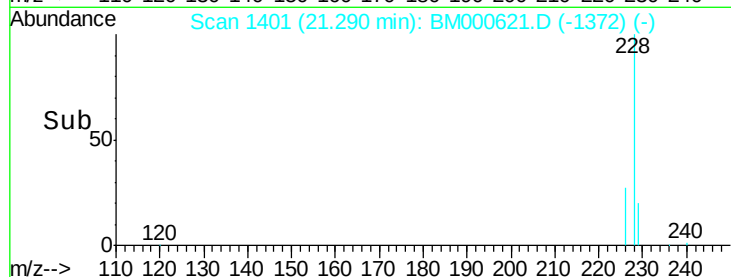
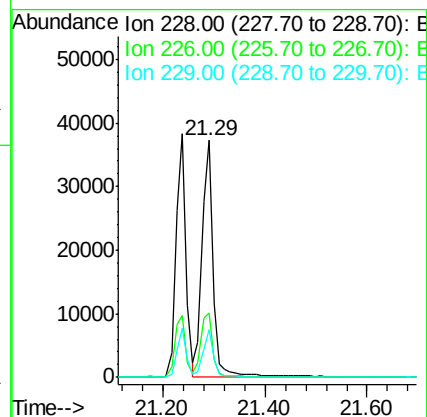
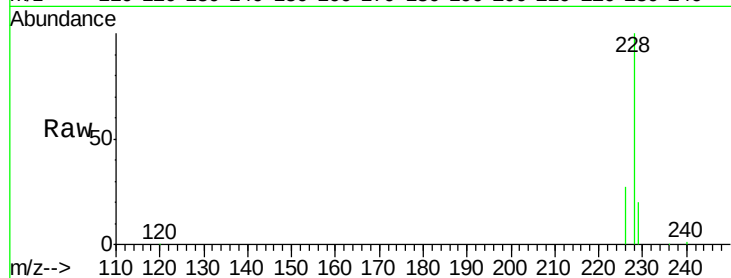
Tgt Ion:228 Resp: 55426

Ion Ratio Lower Upper

228 100

226 27.4 22.6 33.8

229 20.2 16.4 24.6



#23

Benzo(b)fluoranthene

Concen: 1.00 ng/ul

RT: 22.79 min Scan# 1545

Delta R.T. 0.00 min

Lab File: BM000621.D

Acq: 03 Mar 2015 18:00

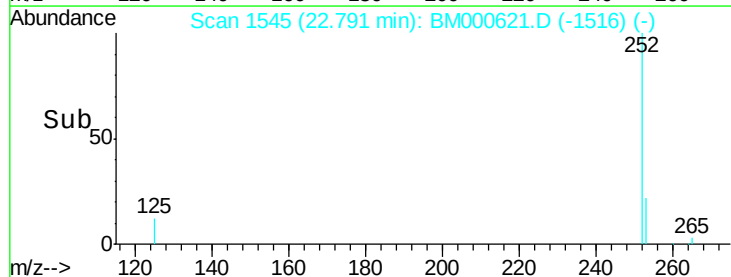
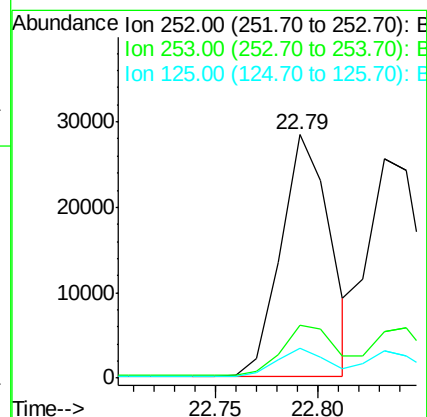
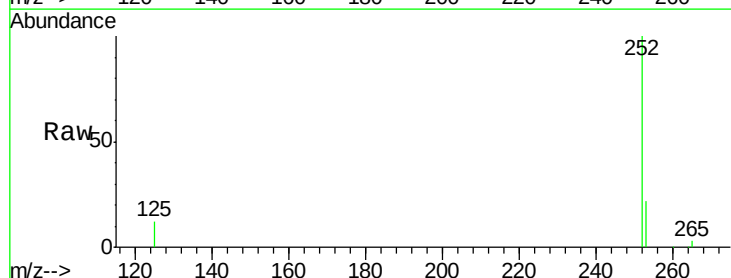
Tgt Ion:252 Resp: 47638

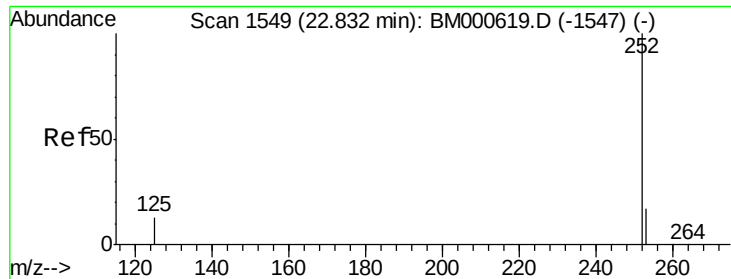
Ion Ratio Lower Upper

252 100

253 21.8 0.0 51.2

125 12.1 0.0 30.0





#24

Benzo(k)fluoranthene

Concen: 1.00 ng/ul

RT: 22.83 min Scan# 1549

Delta R.T. 0.00 min

Lab File: BM000621.D

Acq: 03 Mar 2015 18:00

Instrument :

BNA_M

ClientSampleId :

SSTD00141

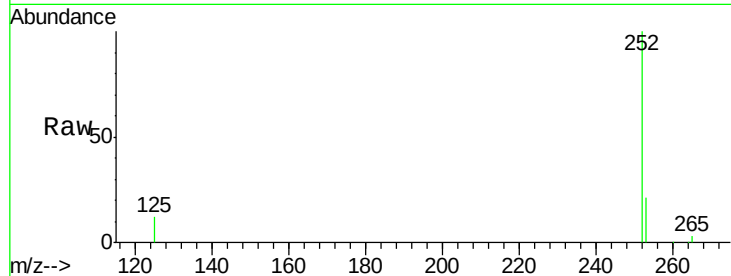
Tgt Ion:252 Resp: 49219

Ion Ratio Lower Upper

252 100

253 21.4 20.5 30.7

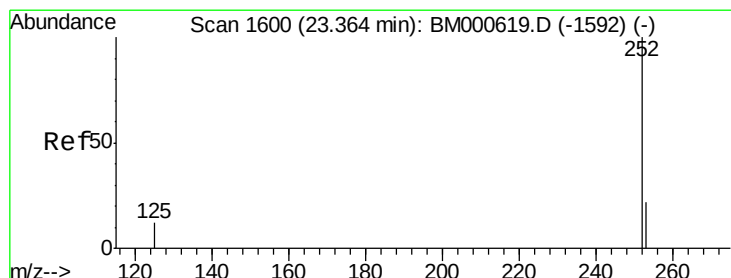
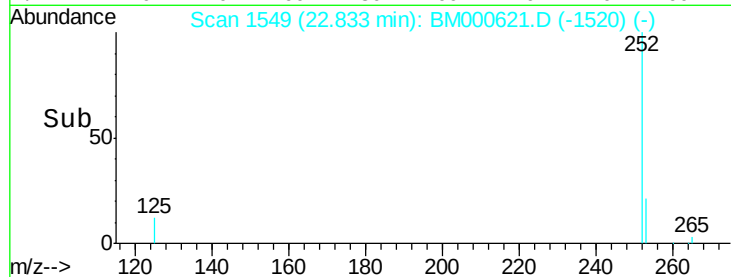
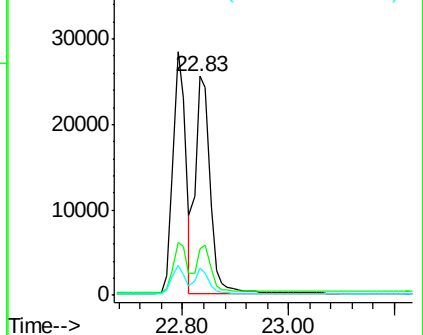
125 12.4 11.8 17.6



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: 1.00 ng/ul

RT: 23.35 min Scan# 1599

Delta R.T. -0.01 min

Lab File: BM000621.D

Acq: 03 Mar 2015 18:00

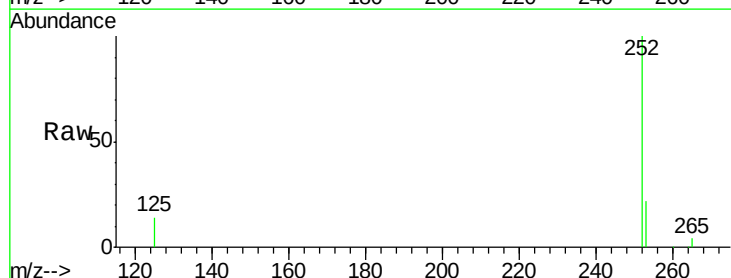
Tgt Ion:252 Resp: 45484

Ion Ratio Lower Upper

252 100

253 22.1 23.4 35.0#

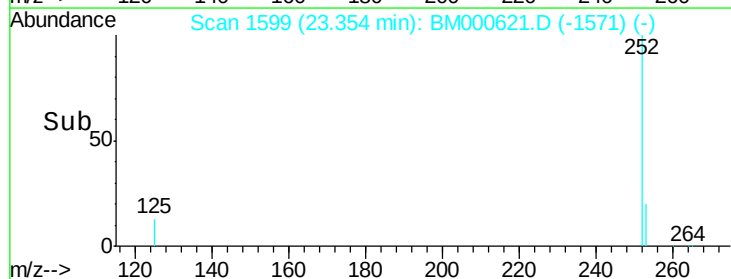
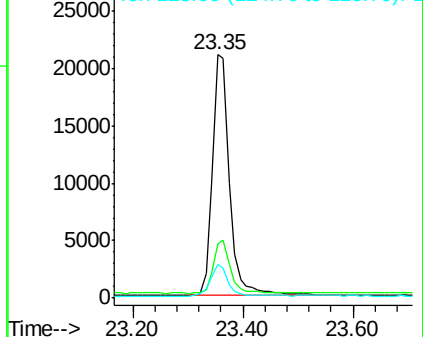
125 13.8 12.2 18.4

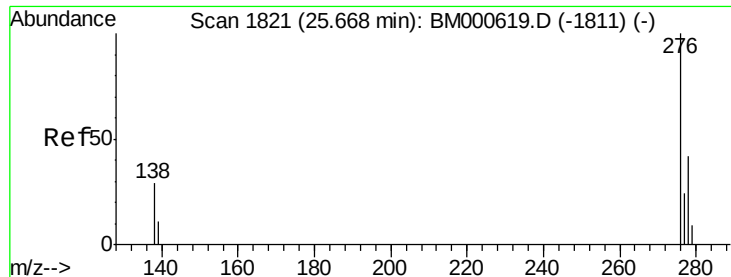


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#26

Indeno(1,2,3-cd)pyrene

Concen: 0.95 ng/ul

RT: 25.67 min Scan# 1821

Delta R.T. 0.00 min

Lab File: BM000621.D

Acq: 03 Mar 2015 18:00

Instrument :

BNA_M

ClientSampleId :

SSTD00141

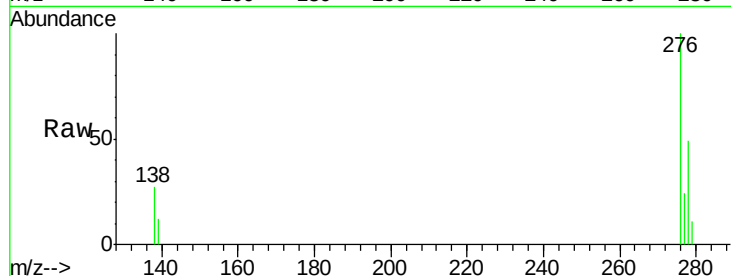
Tgt Ion:276 Resp: 47735

Ion Ratio Lower Upper

276 100

138 28.3 23.8 35.8

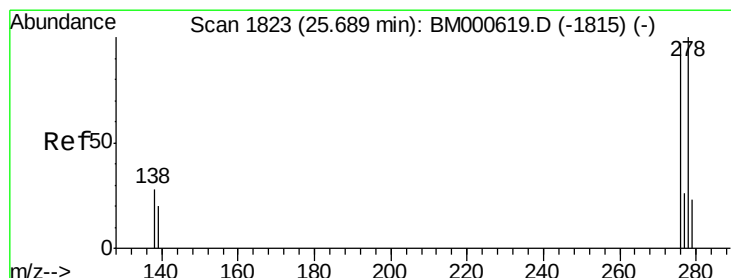
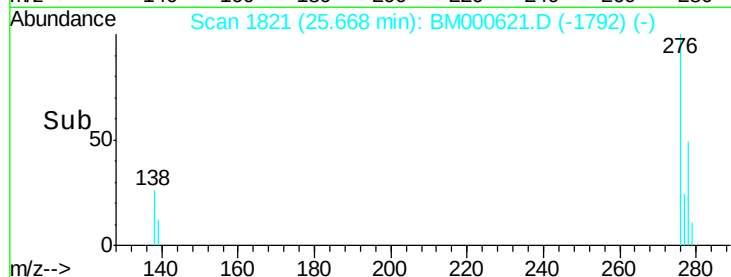
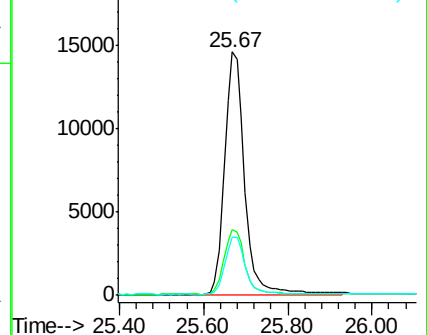
277 24.4 19.7 29.5



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: 0.97 ng/ul

RT: 25.69 min Scan# 1823

Delta R.T. 0.00 min

Lab File: BM000621.D

Acq: 03 Mar 2015 18:00

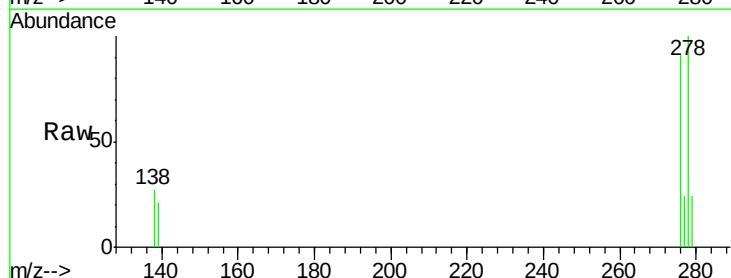
Tgt Ion:278 Resp: 38287

Ion Ratio Lower Upper

278 100

139 21.1 17.0 25.6

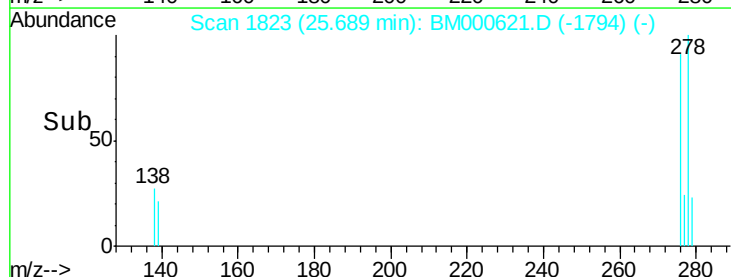
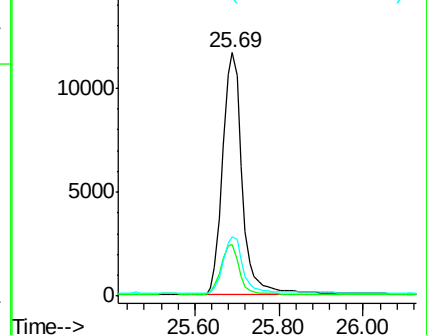
279 24.2 22.3 33.5

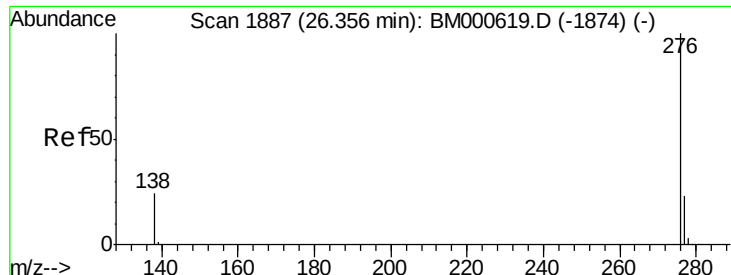


Abundance Ion 278.00 (277.70 to 278.70): E

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: 0.93 ng/ul

RT: 26.35 min Scan# 1886

Delta R.T. -0.01 min

Lab File: BM000621.D

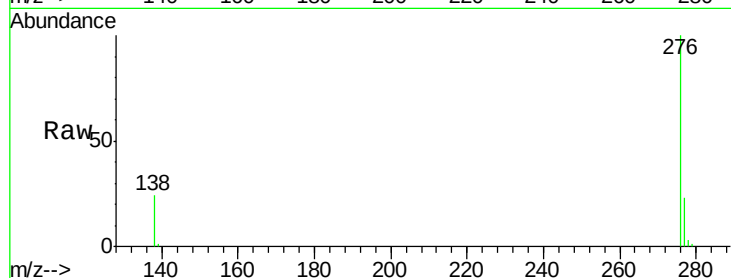
Acq: 03 Mar 2015 18:00

Instrument :

BNA_M

ClientSampleId :

SSTD00141



Tgt Ion: 276 Resp: 41449

Ion Ratio Lower Upper

276 100

277 23.4 19.9 29.9

138 24.5 20.6 30.8

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

