

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM030315\
 Data File : BM000617.D
 Acq On : 03 Mar 2015 15:38
 Operator : TP/IZ
 Sample : SST0.137
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 SST0.137

Quant Time: Mar 04 02:44:01 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	5064	0.40	ng/ul	0.00
4) Naphthalene-d8	10.46	136	17468	0.40	ng/ul	0.00
8) Acenaphthene-d10	14.31	164	8259	0.40	ng/ul	0.00
12) Phenanthrene-d10	17.07	188	16722	0.40	ng/ul	0.02
18) Chrysene-d12	21.25	240	12978	0.40	ng/ul	-0.01
22) Perylene-d12	23.46	264	11528	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	2180	0.61	ng/uL	0.00
6) 2-Methylnaphthalene-d10	12.06	152	2226	0.10	ng/ul	0.01
16) Fluoranthene-d10	19.10	212	3414	0.11	ng/ul	0.01

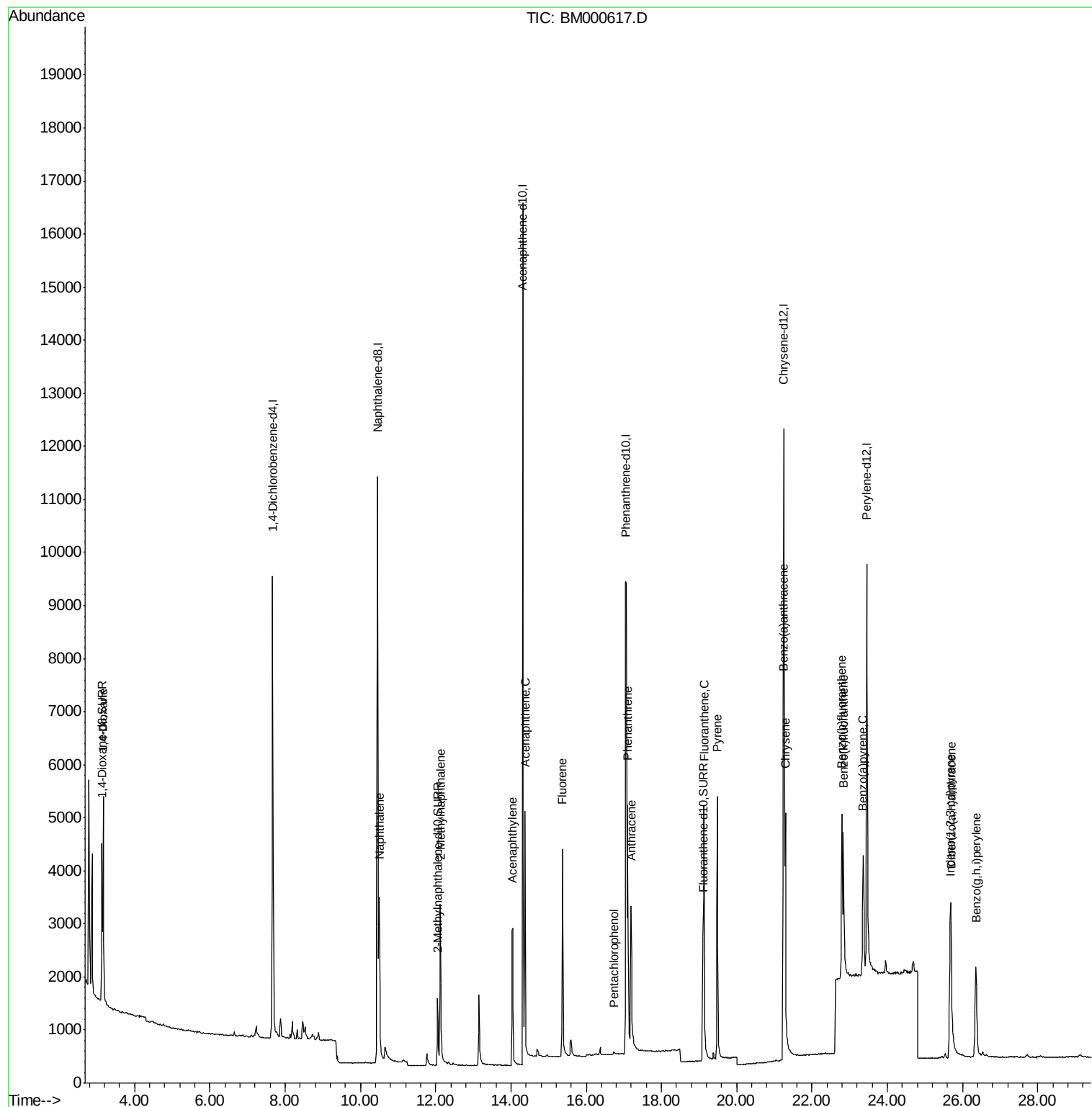
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) 1,4-Dioxane	3.17	88	3532	0.63	ng/ul	93
5) Naphthalene	10.50	128	4743	0.11	ng/ul#	96
7) 2-Methylnaphthalene	12.12	142	3034	0.10	ng/ul	99
9) Acenaphthylene	14.04	152	3890	0.11	ng/ul	97
10) Acenaphthene	14.38	153	3194	0.11	ng/ul	97
11) Fluorene	15.36	166	3434	0.10	ng/ul	90
13) Pentachlorophenol	16.72	266	76	0.05	ng/ul#	75
14) Phenanthrene	17.10	178	5072	0.10	ng/ul	96
15) Anthracene	17.19	178	4420	0.10	ng/ul	94
17) Fluoranthene	19.12	202	5390	0.11	ng/ul	97
19) Pyrene	19.49	202	5511	0.10	ng/ul	96
20) Benzo(a)anthracene	21.24	228	3906	0.10	ng/ul	97
21) Chrysene	21.29	228	4936	0.11	ng/ul	98
23) Benzo(b)fluoranthene	22.79	252	4491	0.11	ng/ul	80
24) Benzo(k)fluoranthene	22.83	252	5525	0.13	ng/ul#	77
25) Benzo(a)pyrene	23.35	252	4121	0.11	ng/ul#	73
26) Indeno(1,2,3-cd)pyrene	25.67	276	4568	0.11	ng/ul	99
27) Dibenzo(a,h)anthracene	25.69	278	3672	0.11	ng/ul#	84
28) Benzo(g,h,i)perylene	26.36	276	4053	0.11	ng/ul	93

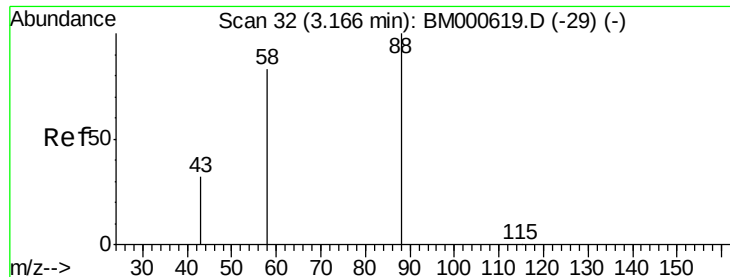
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Mar 04 02:44:01 2015
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#3

1,4-Dioxane

Concen: 0.63 ng/ul

RT: 3.17 min Scan# 32

Delta R.T. 0.00 min

Lab File: BM000617.D

Acq: 03 Mar 2015 15:38

Instrument :

BNA_M

ClientSampleId :

SSTD0.137

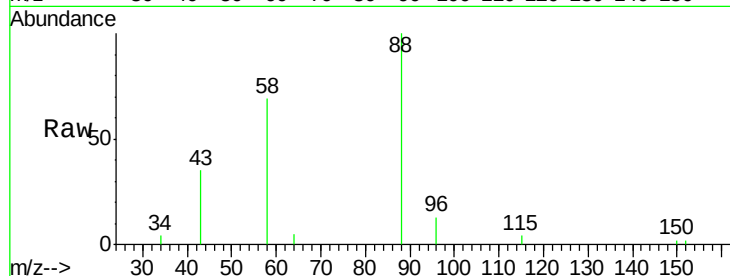
Tgt Ion: 88 Resp: 3532

Ion Ratio Lower Upper

88 100

58 61.8 55.4 83.2

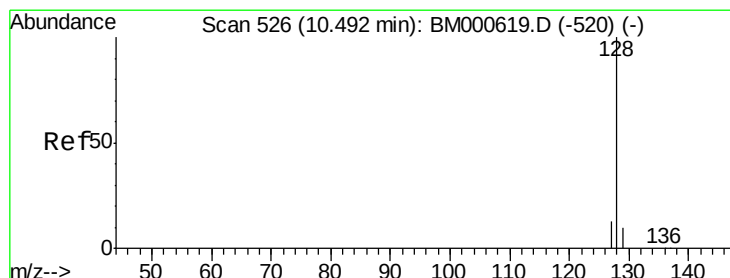
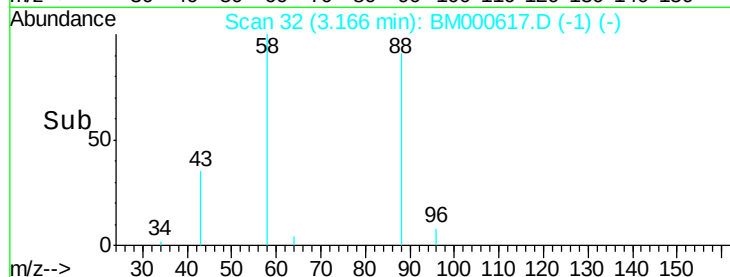
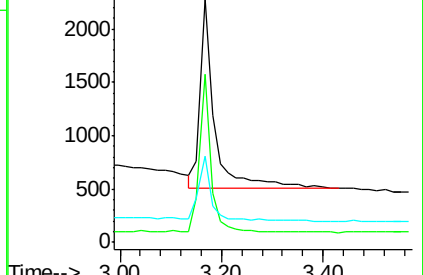
43 32.1 24.2 36.2



Abundance Ion 88.00 (87.70 to 88.70): BM000617.D (-29) (-)

Ion 58.00 (57.70 to 58.70): BM000617.D (-29) (-)

Ion 43.00 (42.70 to 43.70): BM000617.D (-29) (-)



#5

Naphthalene

Concen: 0.11 ng/ul

RT: 10.50 min Scan# 527

Delta R.T. 0.01 min

Lab File: BM000617.D

Acq: 03 Mar 2015 15:38

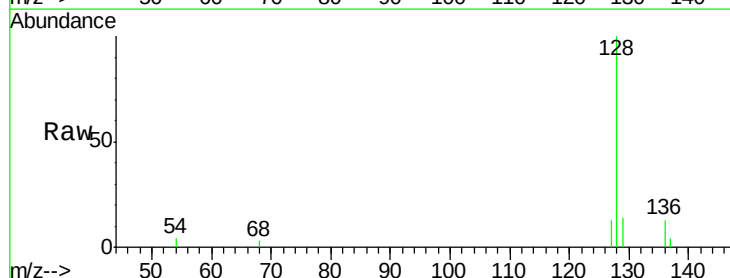
Tgt Ion: 128 Resp: 4743

Ion Ratio Lower Upper

128 100

129 13.6 8.5 12.7#

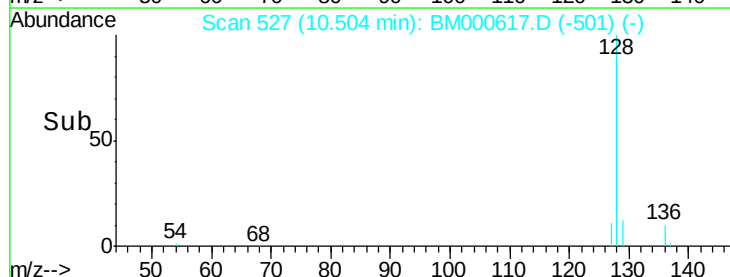
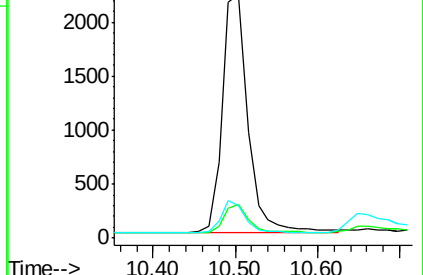
127 13.4 11.0 16.6

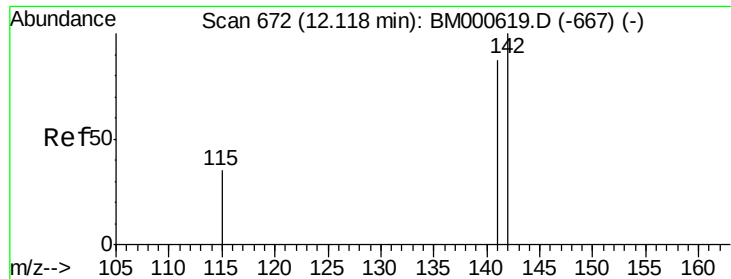


Abundance Ion 128.00 (127.70 to 128.70): BM000617.D (-520) (-)

Ion 129.00 (128.70 to 129.70): BM000617.D (-520) (-)

Ion 127.00 (126.70 to 127.70): BM000617.D (-520) (-)





#7

2-Methylnaphthalene

Concen: 0.10 ng/ul

RT: 12.12 min Scan# 672

Delta R.T. 0.00 min

Lab File: BM000617.D

Acq: 03 Mar 2015 15:38

Instrument :

BNA_M

ClientSampleId :

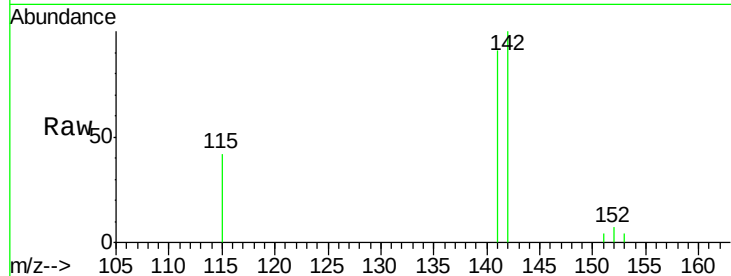
SSTD0.137

Tgt Ion:142 Resp: 3034

Ion Ratio Lower Upper

142 100

141 87.6 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

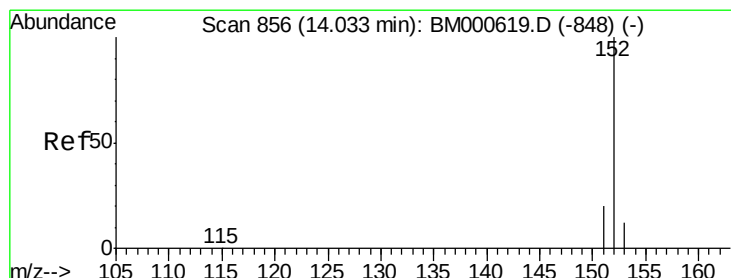
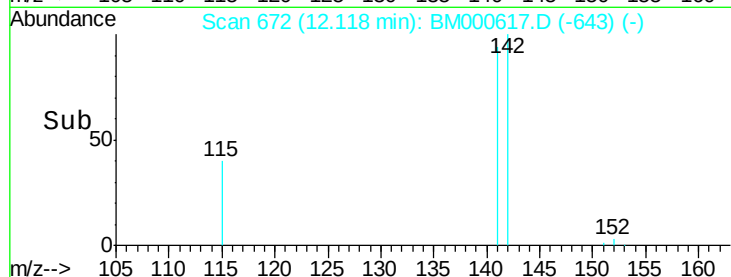
1500

1000

500

0

Time--> 12.00 12.20



#9

Acenaphthylene

Concen: 0.11 ng/ul

RT: 14.04 min Scan# 857

Delta R.T. 0.01 min

Lab File: BM000617.D

Acq: 03 Mar 2015 15:38

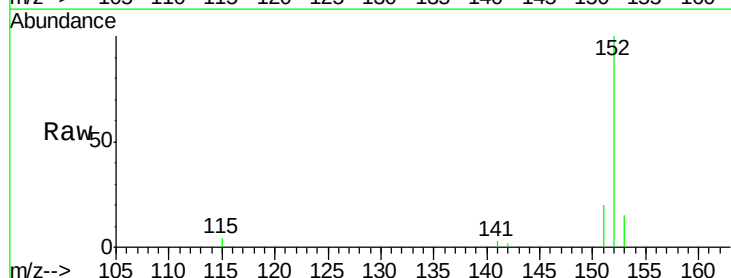
Tgt Ion:152 Resp: 3890

Ion Ratio Lower Upper

152 100

151 19.8 16.0 24.0

153 15.2 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

14.04

2500

2000

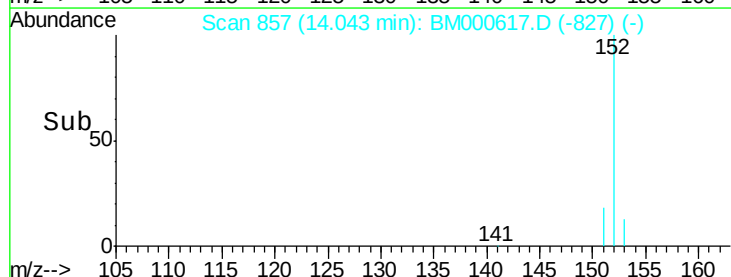
1500

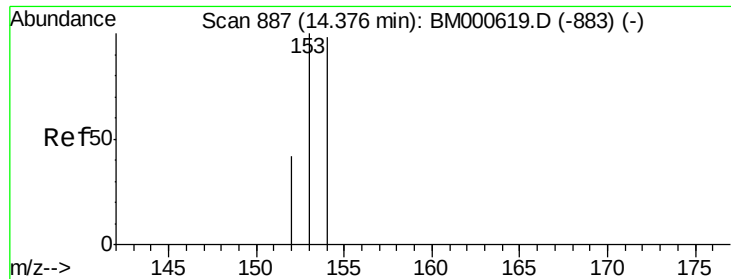
1000

500

0

Time--> 14.00 14.20





#10

Acenaphthene

Concen: 0.11 ng/ul

RT: 14.38 min Scan# 887

Delta R.T. 0.00 min

Lab File: BM000617.D

Acq: 03 Mar 2015 15:38

Instrument :

BNA_M

ClientSampleId :

SSTD0.137

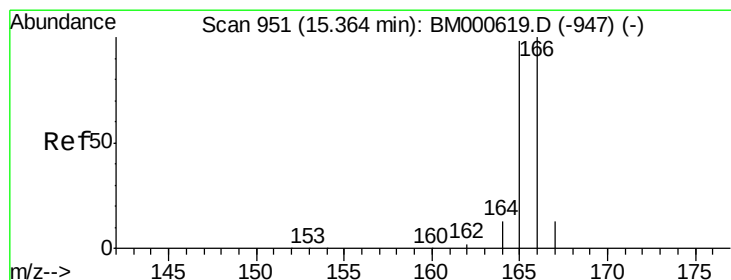
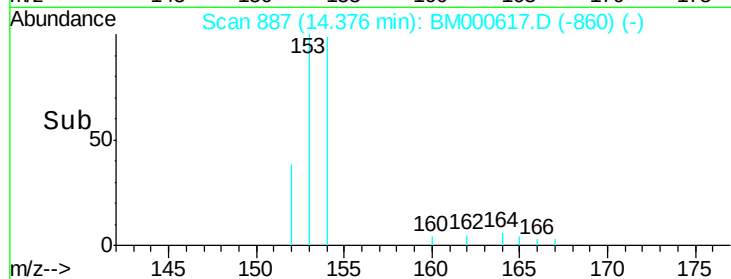
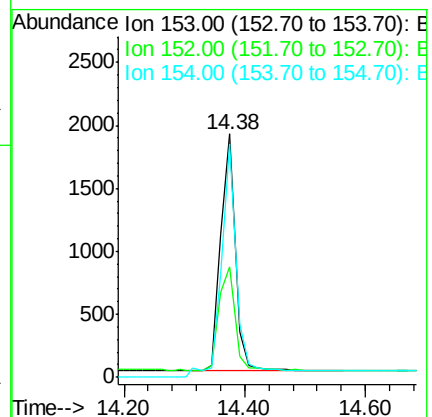
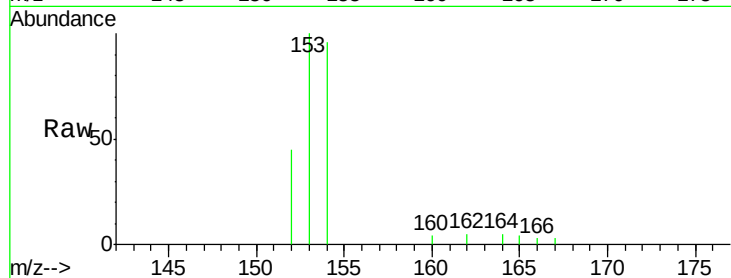
Tgt Ion:153 Resp: 3194

Ion Ratio Lower Upper

153 100

152 45.2 34.2 51.2

154 95.8 78.8 118.2



#11

Fluorene

Concen: 0.10 ng/ul

RT: 15.36 min Scan# 951

Delta R.T. 0.00 min

Lab File: BM000617.D

Acq: 03 Mar 2015 15:38

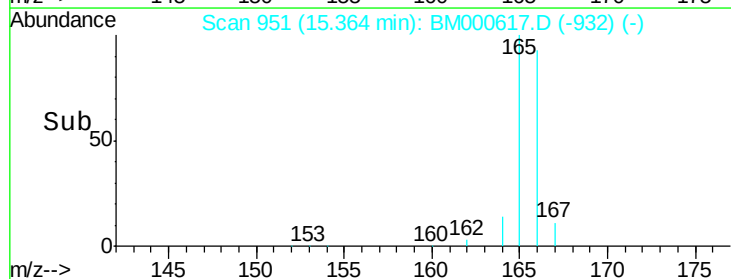
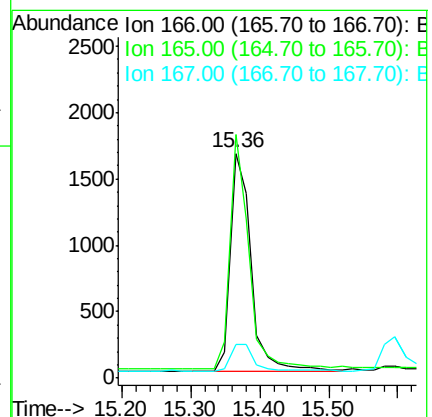
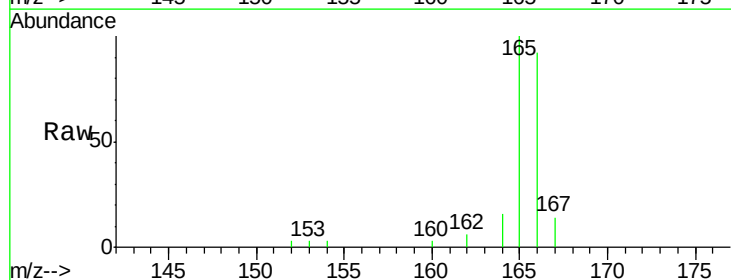
Tgt Ion:166 Resp: 3434

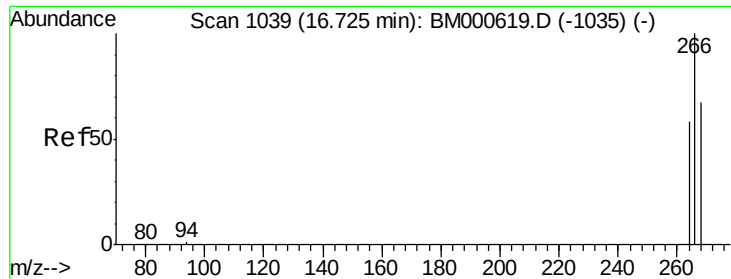
Ion Ratio Lower Upper

166 100

165 108.2 78.5 117.7

167 15.0 10.6 16.0

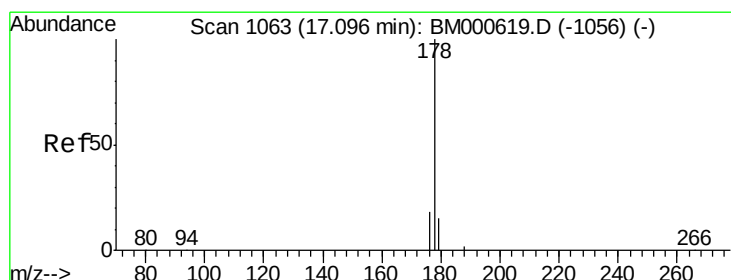
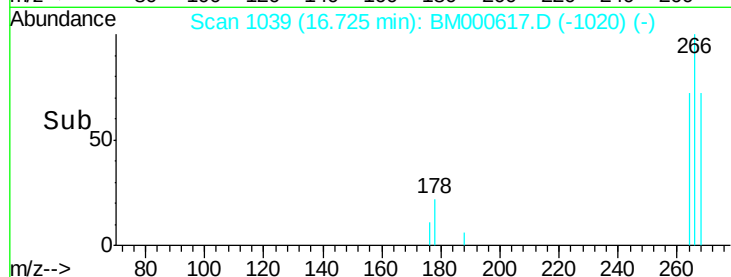
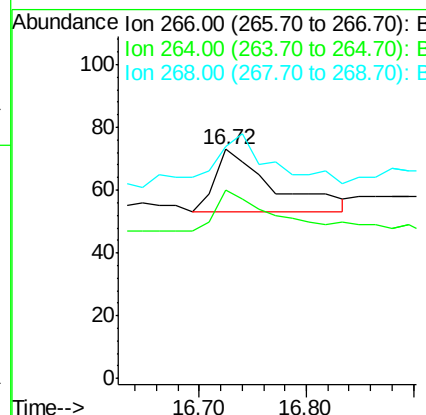
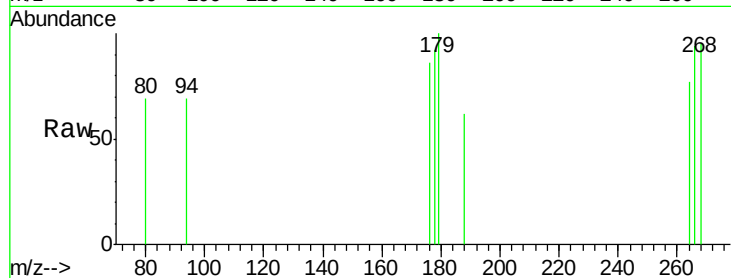




#13
 Pentachlorophenol
 Concen: 0.05 ng/ul
 RT: 16.72 min Scan# 1039
 Delta R.T. 0.00 min
 Lab File: BM000617.D
 Acq: 03 Mar 2015 15:38

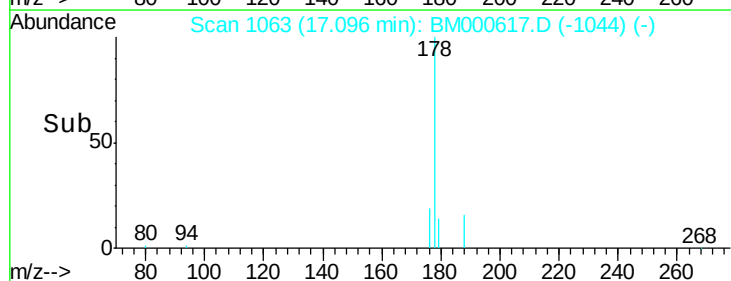
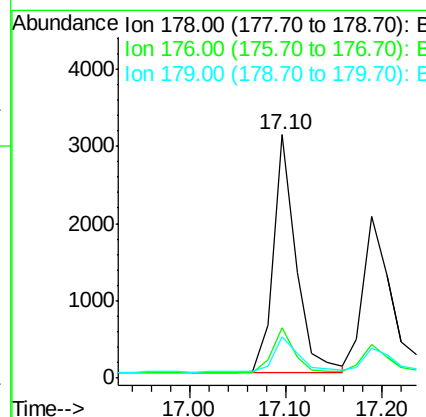
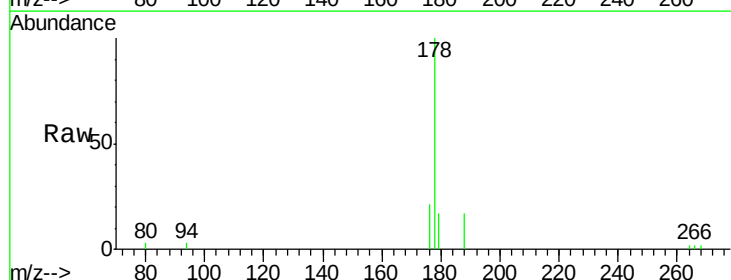
Instrument :
 BNA_M
 ClientSampleId :
 SST0.137

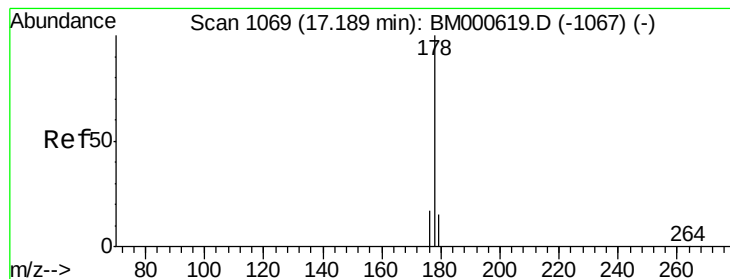
Tgt Ion: 266 Resp: 76
 Ion Ratio Lower Upper
 266 100
 264 67.1 51.0 76.4
 268 97.4 49.4 74.2#



#14
 Phenanthrene
 Concen: 0.10 ng/ul
 RT: 17.10 min Scan# 1063
 Delta R.T. 0.00 min
 Lab File: BM000617.D
 Acq: 03 Mar 2015 15:38

Tgt Ion: 178 Resp: 5072
 Ion Ratio Lower Upper
 178 100
 176 20.6 14.8 22.2
 179 16.8 12.7 19.1





#15

Anthracene

Concen: 0.10 ng/ul

RT: 17.19 min Scan# 1069

Delta R.T. 0.00 min

Lab File: BM000617.D

Acq: 03 Mar 2015 15:38

Instrument :

BNA_M

ClientSampleId :

SSTD0.137

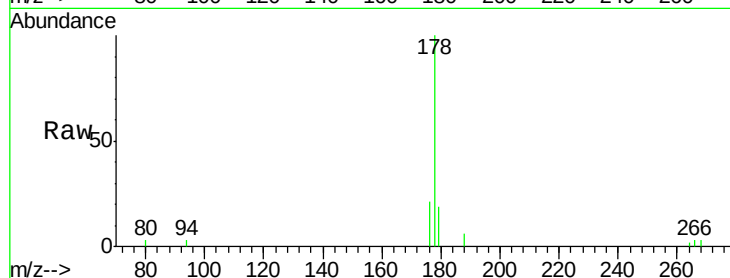
Tgt Ion:178 Resp: 4420

Ion Ratio Lower Upper

178 100

176 20.8 14.2 21.4

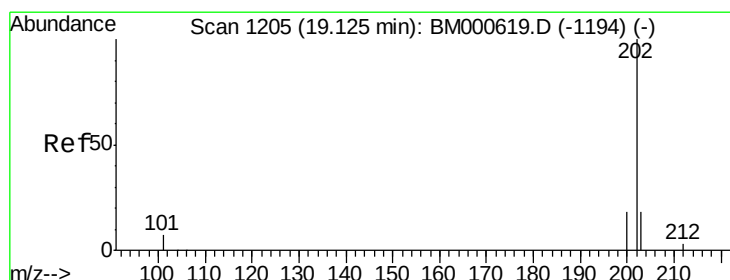
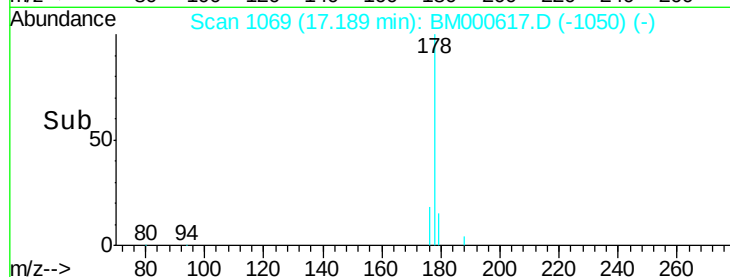
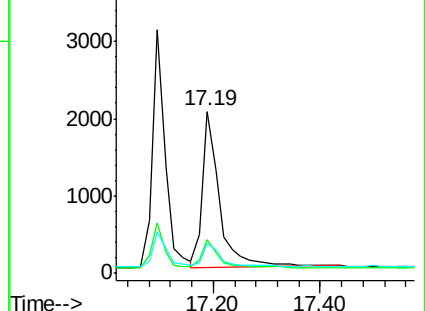
179 18.6 12.8 19.2



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



#17

Fluoranthene

Concen: 0.11 ng/ul

RT: 19.12 min Scan# 1205

Delta R.T. 0.00 min

Lab File: BM000617.D

Acq: 03 Mar 2015 15:38

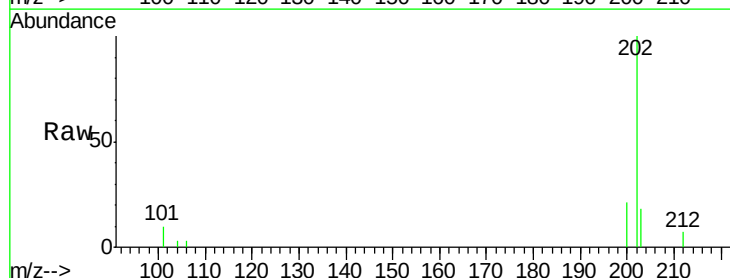
Tgt Ion:202 Resp: 5390

Ion Ratio Lower Upper

202 100

101 10.1 0.0 27.0

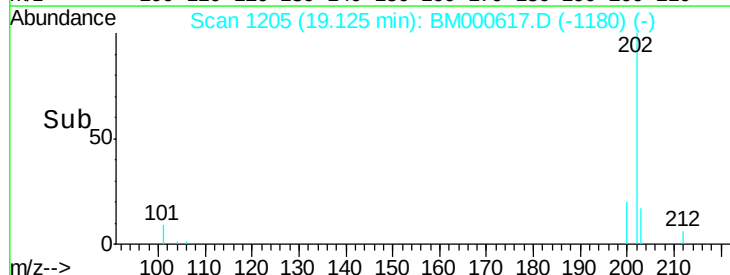
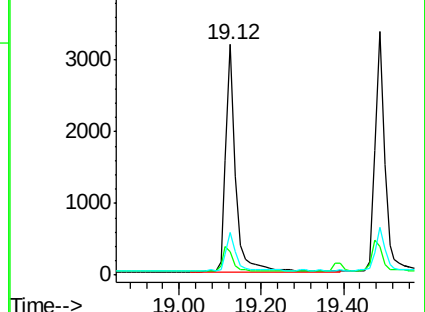
203 18.4 0.0 38.5

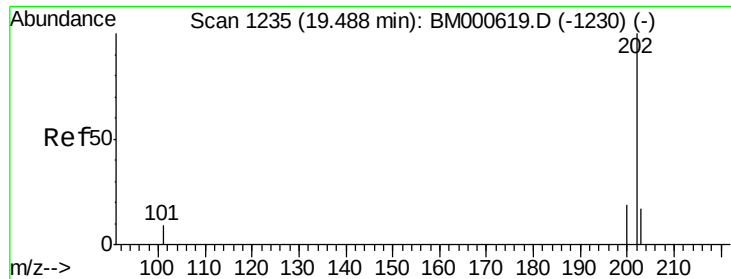


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E





#19

Pyrene

Concen: 0.10 ng/ul

RT: 19.49 min Scan# 1235

Delta R.T. 0.00 min

Lab File: BM000617.D

Acq: 03 Mar 2015 15:38

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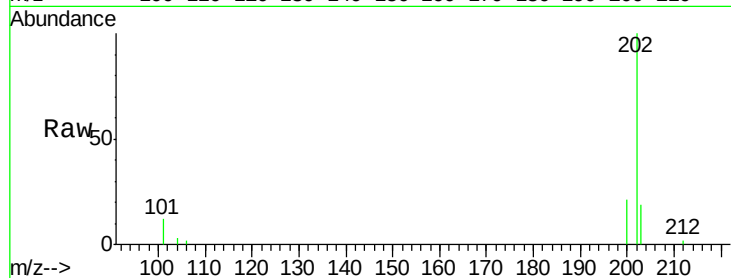
Tgt Ion:202 Resp: 5511

Ion Ratio Lower Upper

202 100

200 21.4 15.5 23.3

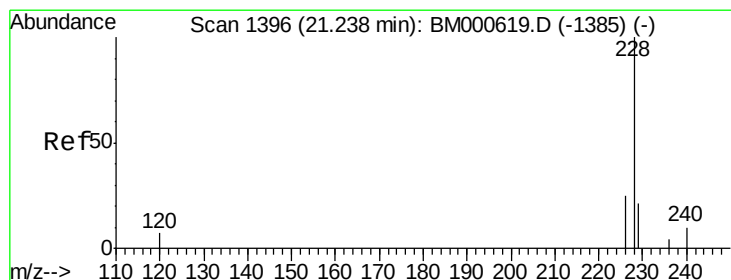
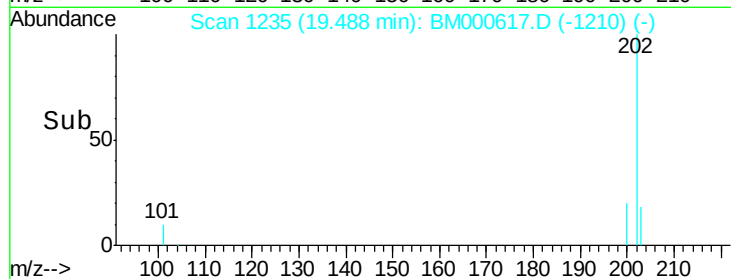
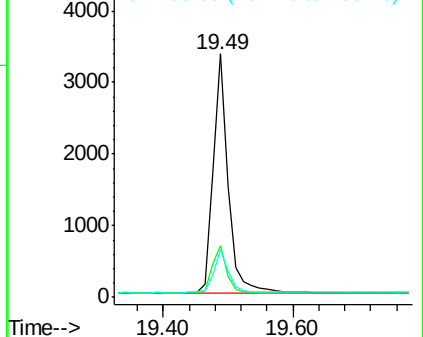
203 19.4 14.2 21.2



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: 0.10 ng/ul

RT: 21.24 min Scan# 1396

Delta R.T. 0.00 min

Lab File: BM000617.D

Acq: 03 Mar 2015 15:38

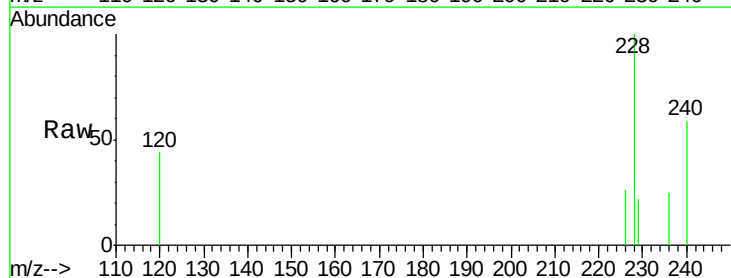
Tgt Ion:228 Resp: 3906

Ion Ratio Lower Upper

228 100

226 26.4 20.0 30.0

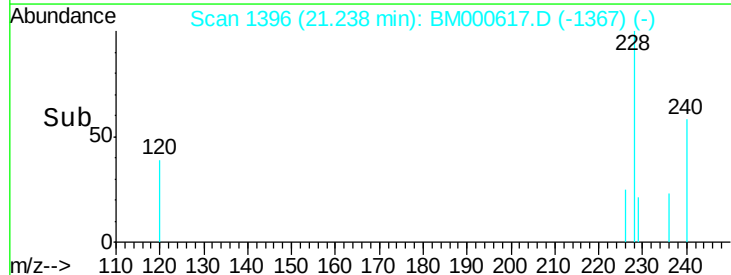
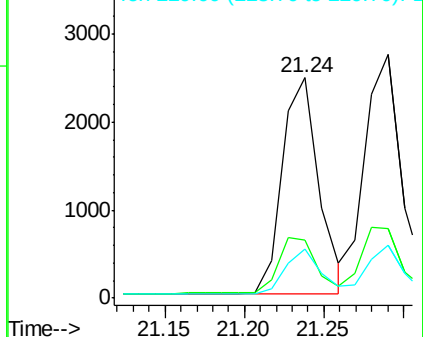
229 22.2 16.7 25.1

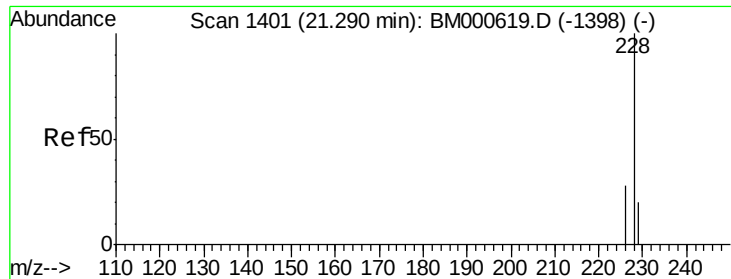


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#21

Chrysene

Concen: 0.11 ng/ul

RT: 21.29 min Scan# 1401

Delta R.T. 0.00 min

Lab File: BM000617.D

Acq: 03 Mar 2015 15:38

Instrument :

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ClientSampleId :

SSTD0.137

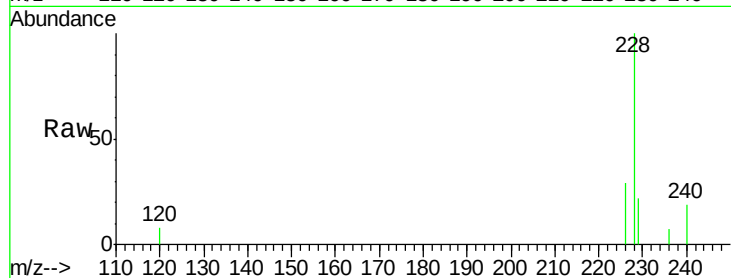
Tgt Ion:228 Resp: 4936

Ion Ratio Lower Upper

228 100

226 28.6 22.6 33.8

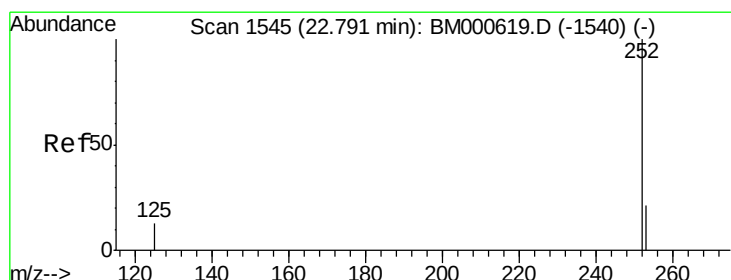
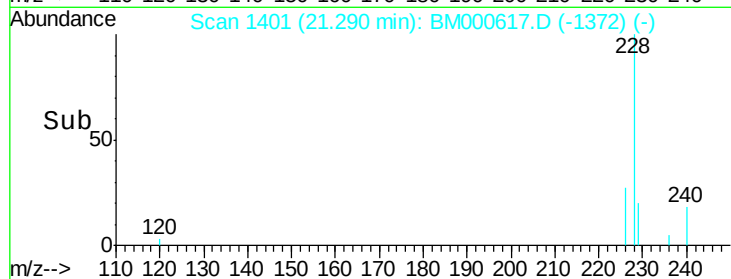
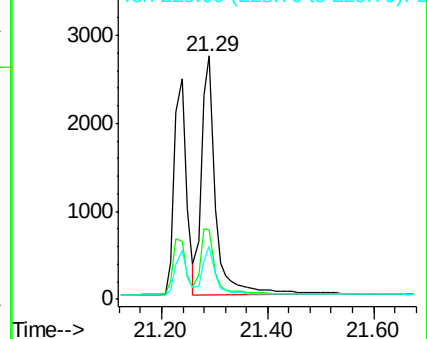
229 21.8 16.4 24.6



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: 0.11 ng/ul

RT: 22.79 min Scan# 1545

Delta R.T. 0.00 min

Lab File: BM000617.D

Acq: 03 Mar 2015 15:38

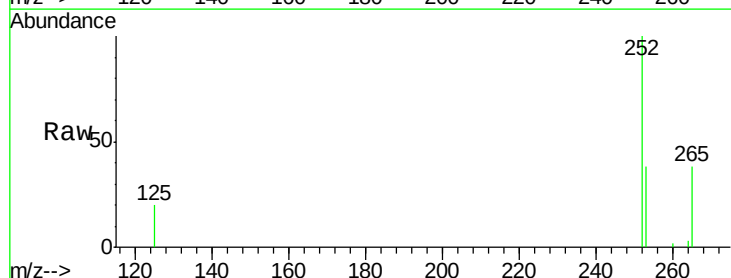
Tgt Ion:252 Resp: 4491

Ion Ratio Lower Upper

252 100

253 38.0 0.0 51.2

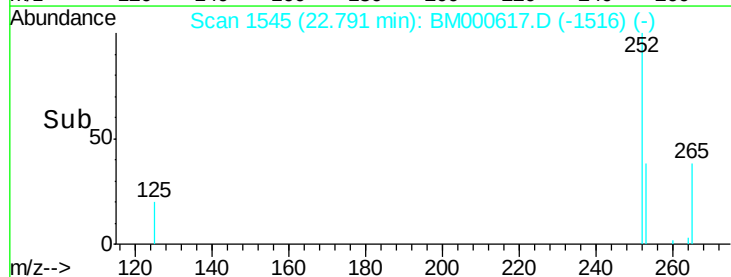
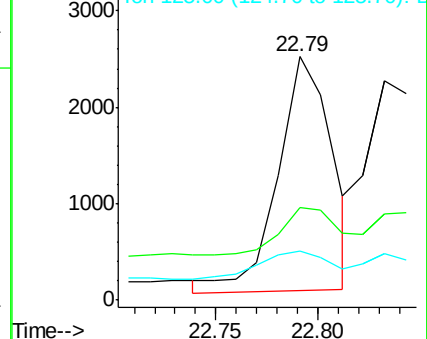
125 20.4 0.0 30.0

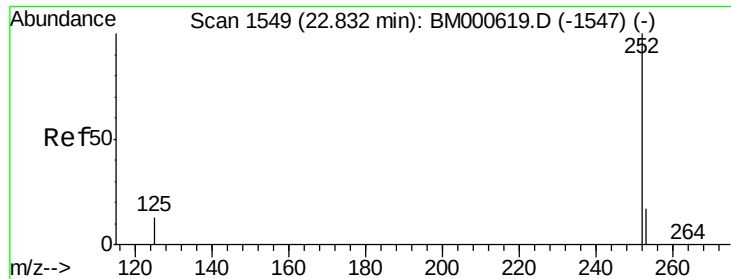


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#24

Benzo(k)fluoranthene

Concen: 0.13 ng/ul

RT: 22.83 min Scan# 1549

Delta R.T. 0.00 min

Lab File: BM000617.D

Acq: 03 Mar 2015 15:38

Instrument :

BNA_M

ClientSampleId :

SSTD0.137

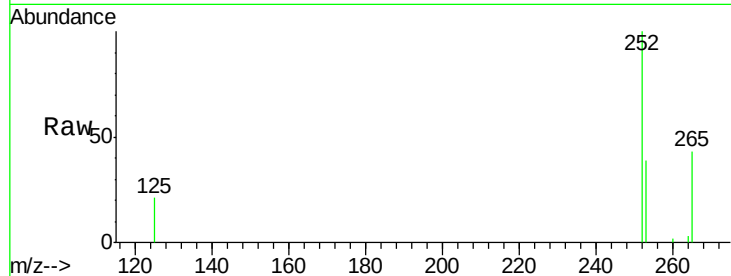
Tgt Ion:252 Resp: 5525

Ion Ratio Lower Upper

252 100

253 39.3 20.5 30.7#

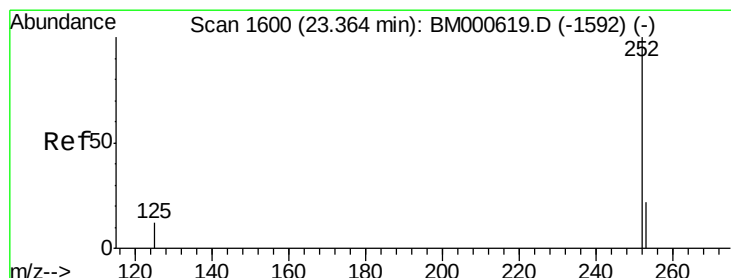
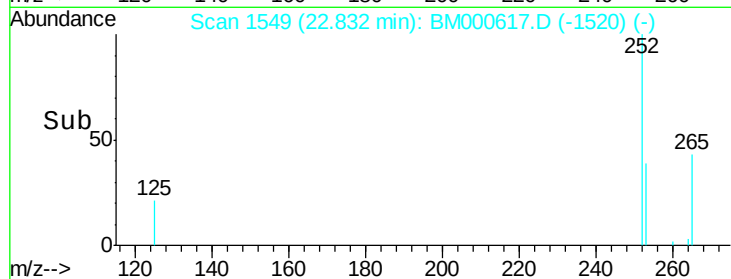
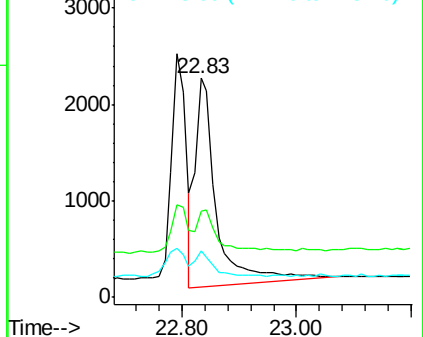
125 21.0 11.8 17.6#



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: 0.11 ng/ul

RT: 23.35 min Scan# 1599

Delta R.T. -0.01 min

Lab File: BM000617.D

Acq: 03 Mar 2015 15:38

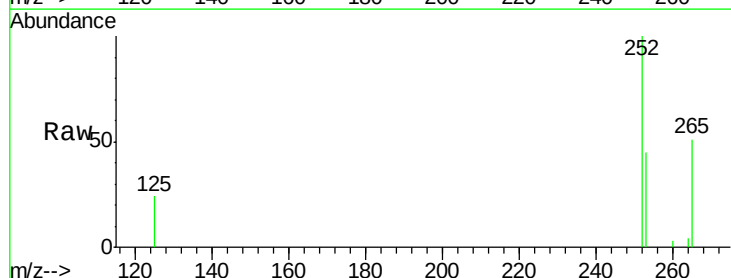
Tgt Ion:252 Resp: 4121

Ion Ratio Lower Upper

252 100

253 45.3 23.4 35.0#

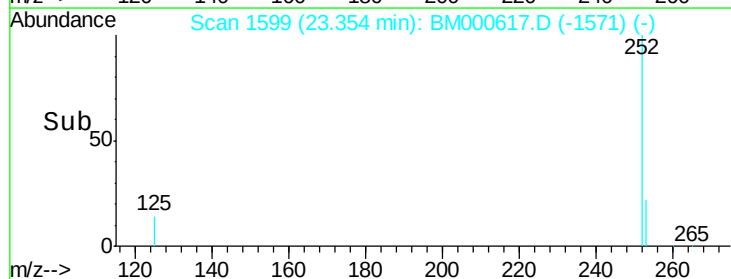
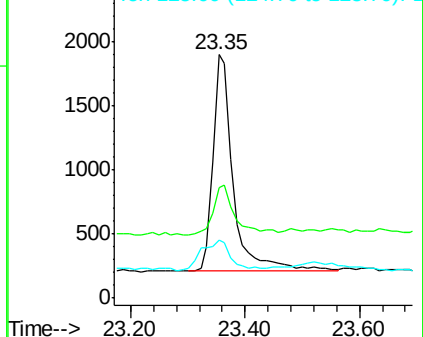
125 23.7 12.2 18.4#

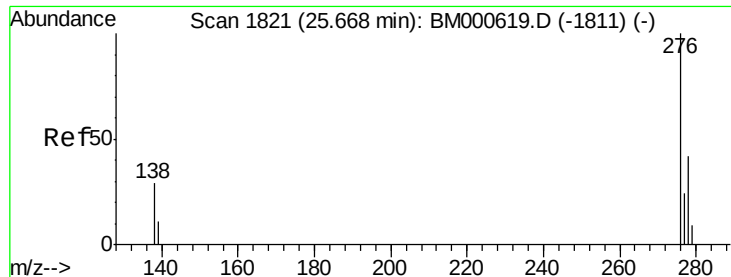


Abundance Ion 252.00 (251.70 to 252.70): E

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: 0.11 ng/ul

RT: 25.67 min Scan# 1821

Delta R.T. 0.00 min

Lab File: BM000617.D

Acq: 03 Mar 2015 15:38

Instrument :

BNA_M

ClientSampleId :

SSTD0.137

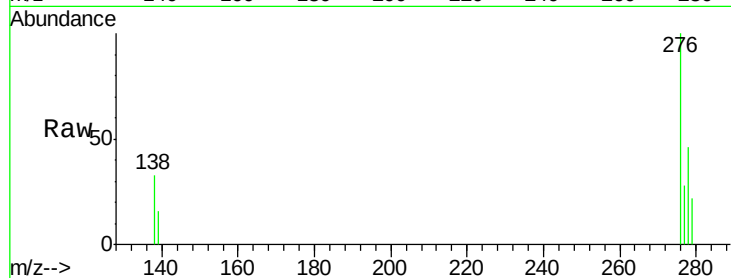
Tgt Ion:276 Resp: 4568

Ion Ratio Lower Upper

276 100

138 29.5 23.8 35.8

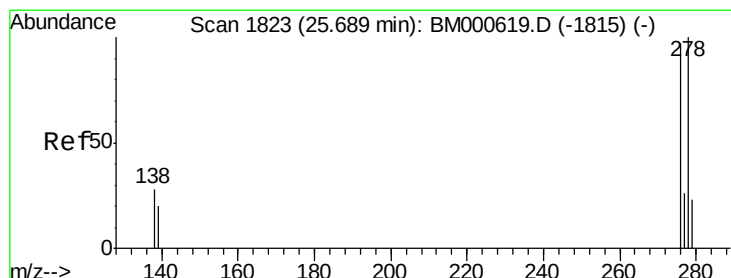
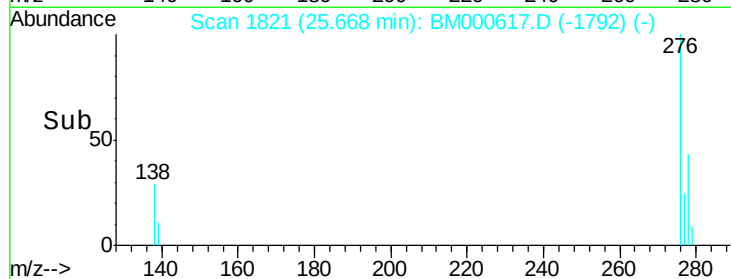
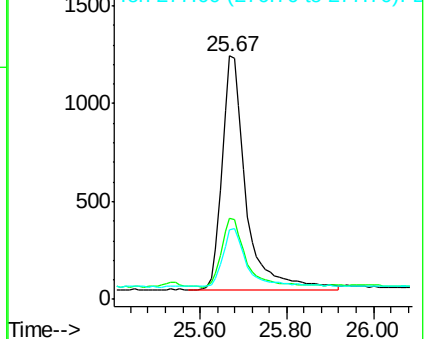
277 25.2 19.7 29.5



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: 0.11 ng/ul

RT: 25.69 min Scan# 1823

Delta R.T. 0.00 min

Lab File: BM000617.D

Acq: 03 Mar 2015 15:38

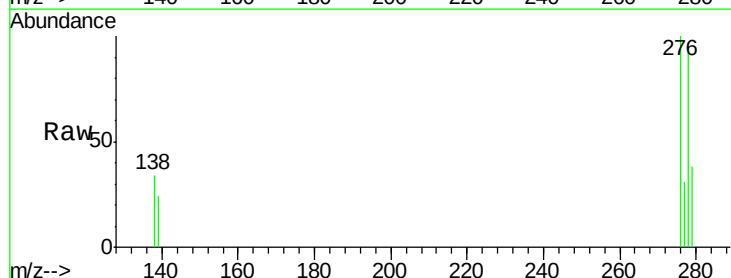
Tgt Ion:278 Resp: 3672

Ion Ratio Lower Upper

278 100

139 25.4 17.0 25.6

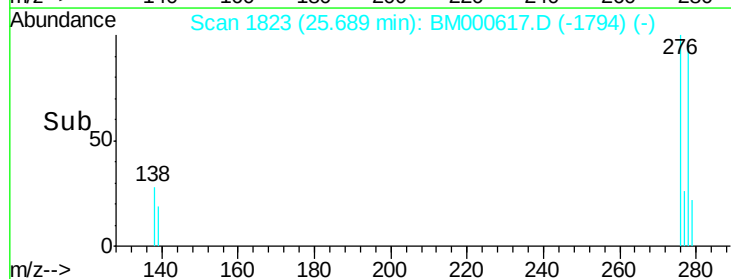
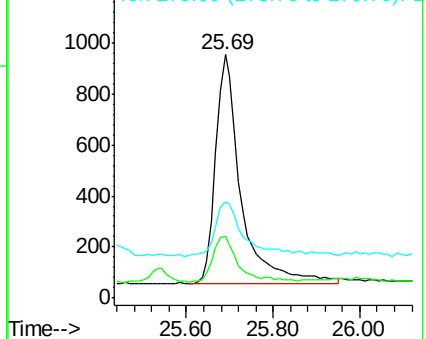
279 39.4 22.3 33.5#

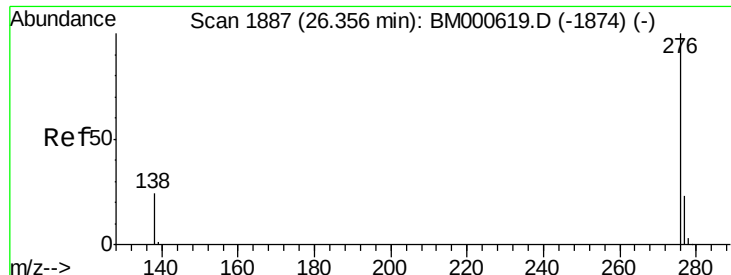


Abundance Ion 278.00 (277.70 to 278.70): E

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: 0.11 ng/ul

RT: 26.36 min Scan# 1887

Delta R.T. 0.00 min

Lab File: BM000617.D

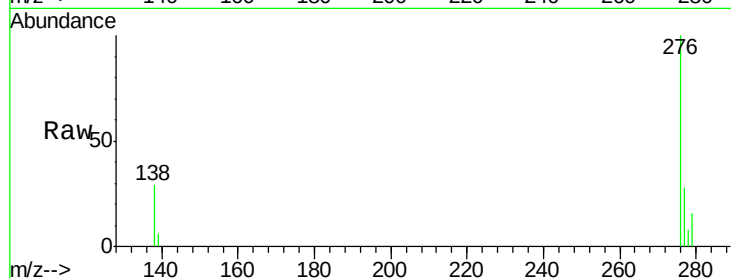
Acq: 03 Mar 2015 15:38

Instrument :

BNA_M

ClientSampleId :

SSTD0.137



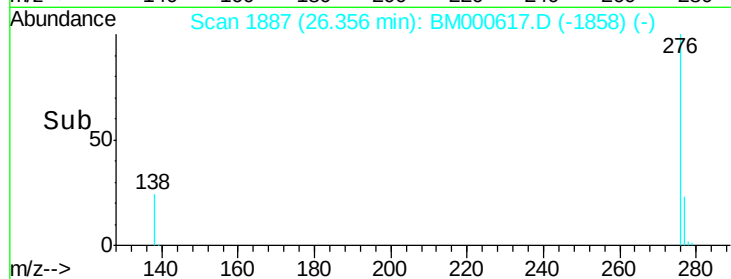
Tgt Ion: 276 Resp: 4053

Ion Ratio Lower Upper

276 100

277 28.2 19.9 29.9

138 28.9 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

