

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM111815\
 Data File : BM003169.D
 Acq On : 18 Nov 2015 20:34
 Operator : UM/IZ
 Sample : SSTD0.8048
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 SSTD0.848

Quant Time: Nov 19 03:07:27 2015
 Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-SIM-BM111815.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Nov 19 03:03:27 2015
 Response via : Initial Calibration

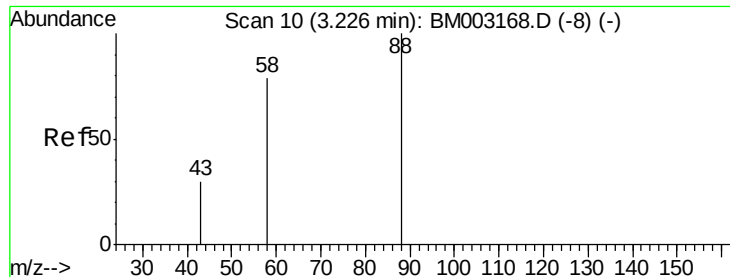
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.74	152	14793	0.40	ng/ul	0.00
4) Naphthalene-d8	10.53	136	52825	0.40	ng/ul	0.00
8) Acenaphthene-d10	14.38	164	25284	0.40	ng/ul	0.00
12) Phenanthrene-d10	17.12	188	52009	0.40	ng/ul	0.00
18) Chrysene-d12	21.32	240	48976	0.40	ng/ul	0.00
22) Perylene-d12	23.58	264	39907	0.40	ng/ul	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
2) 1,4-Dioxane-d8	3.20	96	30725	1.95	ng/uL	0.00
6) 2-Methylnaphthalene-d10	12.12	152	55308	0.64	ng/ul	0.00
16) Fluoranthene-d10	19.17	212	97961	0.72	ng/ul	0.00

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) 1,4-Dioxane	3.23	88	33912	1.90	ng/ul#	100
5) Naphthalene	10.58	128	105414	0.75	ng/ul	100
7) 2-Methylnaphthalene	12.19	142	69035	0.72	ng/ul#	100
9) Acenaphthylene	14.09	152	81618	0.59	ng/ul	100
10) Acenaphthene	14.45	153	69165	0.75	ng/ul	99
11) Fluorene	15.44	166	75799	0.71	ng/ul	98
13) Pentachlorophenol	16.78	266	8889	1.76	ng/ul#	17
14) Phenanthrene	17.26	178	95298	0.59	ng/ul	97
15) Anthracene	17.26	178	99611	0.68	ng/ul	99
17) Fluoranthene	19.19	202	129924	0.68	ng/ul	99
19) Pyrene	19.55	202	128478	0.73	ng/ul	99
20) Benzo(a)anthracene	21.30	228	109603	0.70	ng/ul#	90
21) Chrysene	21.30	228	109603	0.66	ng/ul	93
23) Benzo(b)fluoranthene	22.90	252	116700	0.83	ng/ul	98
24) Benzo(k)fluoranthene	22.94	252	115086	0.83	ng/ul	95
25) Benzo(a)pyrene	23.48	252	104809	0.78	ng/ul	96
26) Indeno(1,2,3-cd)pyrene	25.86	276	126008	0.84	ng/ul#	100
27) Dibenzo(a,h)anthracene	25.88	278	103083	0.84	ng/ul	98
28) Benzo(g,h,i)perylene	26.56	276	111226	0.88	ng/ul	98

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

```
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Misc      :  
ALS Vial  : 5      Sample Multiplier: 1
```



#3

1,4-Dioxane

Concen: 1.90 ng/ul

RT: 3.23 min Scan# 10

Delta R.T. 0.00 min

Lab File: BM003169.D

Acq: 18 Nov 2015 20:34

Instrument :

BNA_M

ClientSampleId :

SSTD0.848

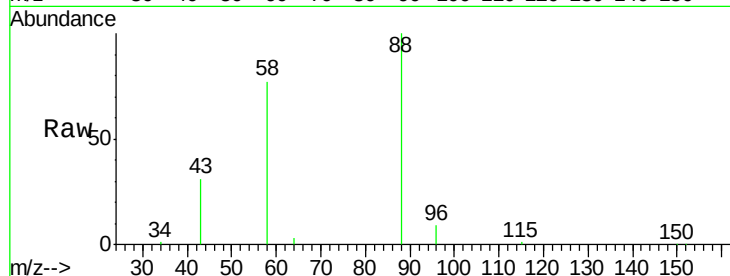
Tgt Ion: 88 Resp: 33912

Ion Ratio Lower Upper

88 100

58 60.7 0.0 0.0#

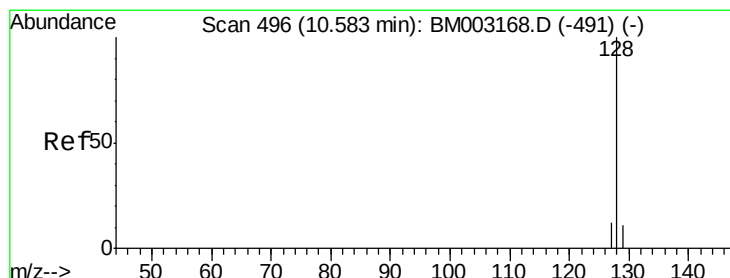
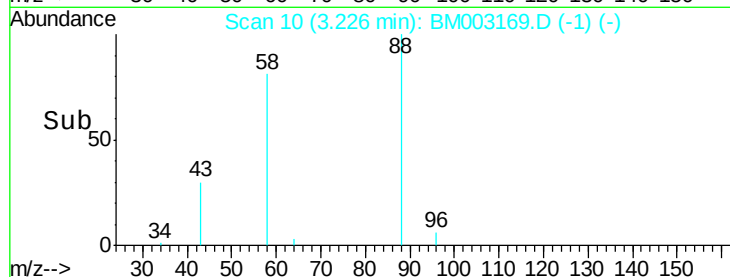
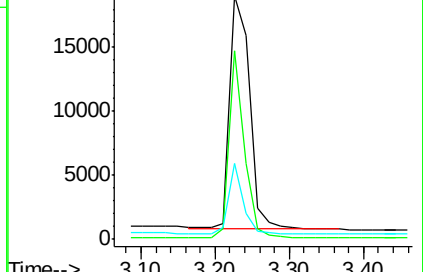
43 22.3 0.0 0.0#



Abundance Ion 88.00 (87.70 to 88.70): BM003169.D (-1) (-)

Ion 58.00 (57.70 to 58.70): BM003169.D (-1) (-)

Ion 43.00 (42.70 to 43.70): BM003169.D (-1) (-)



#5

Naphthalene

Concen: 0.75 ng/ul

RT: 10.58 min Scan# 496

Delta R.T. 0.00 min

Lab File: BM003169.D

Acq: 18 Nov 2015 20:34

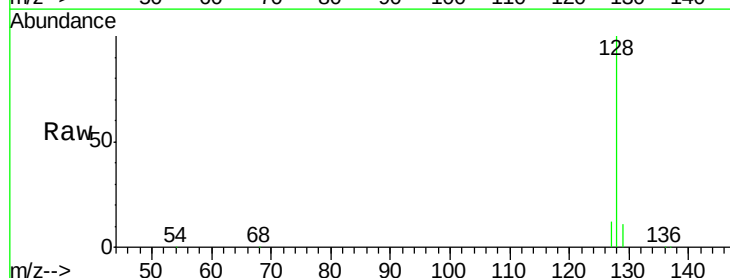
Tgt Ion: 128 Resp: 105414

Ion Ratio Lower Upper

128 100

129 11.3 9.0 13.6

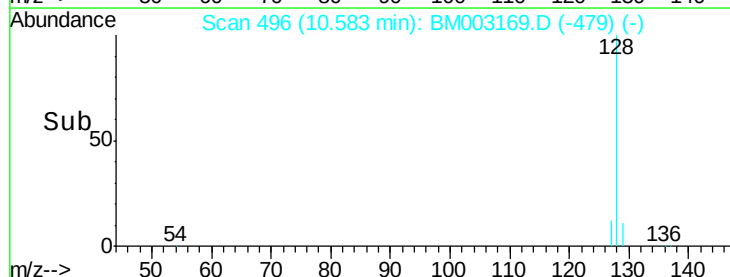
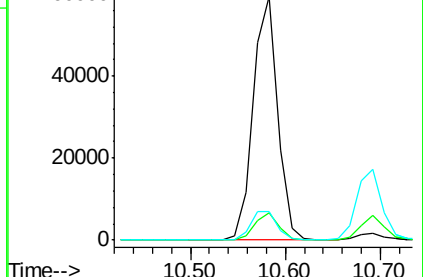
127 11.9 9.6 14.4

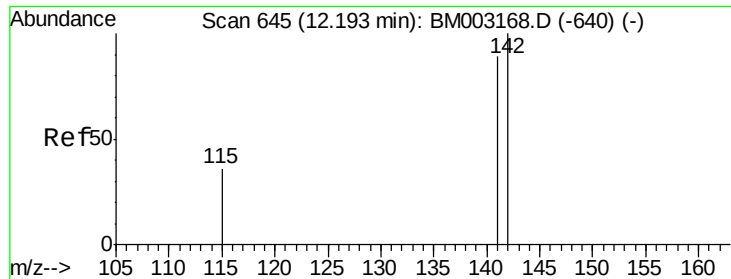


Abundance Ion 128.00 (127.70 to 128.70): BM003169.D (-479) (-)

Ion 129.00 (128.70 to 129.70): BM003169.D (-479) (-)

Ion 127.00 (126.70 to 127.70): BM003169.D (-479) (-)





#7

2-Methylnaphthalene

Concen: 0.72 ng/ul

RT: 12.19 min Scan# 645

Delta R.T. 0.00 min

Lab File: BM003169.D

Acq: 18 Nov 2015 20:34

Instrument :

BNA_M

ClientSampleId :

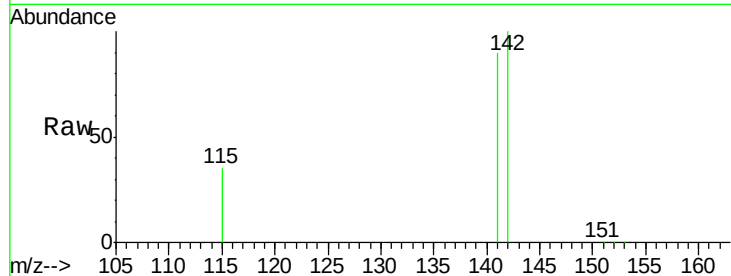
SSTD0.848

Tgt Ion:142 Resp: 69035

Ion Ratio Lower Upper

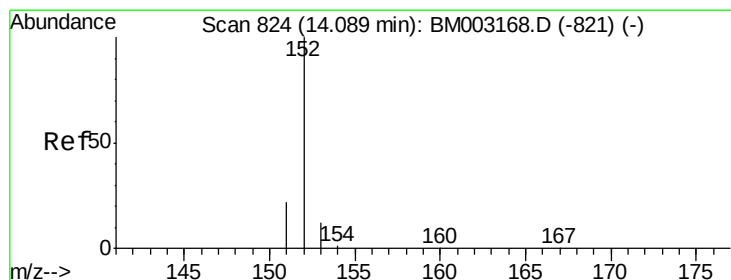
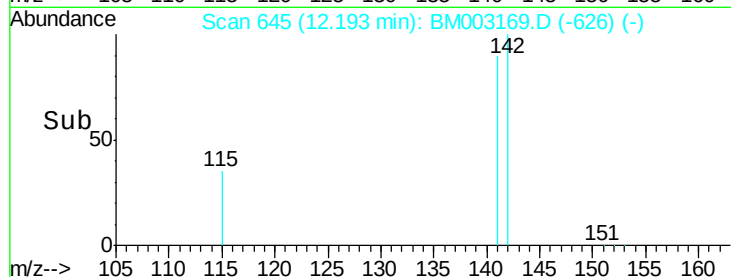
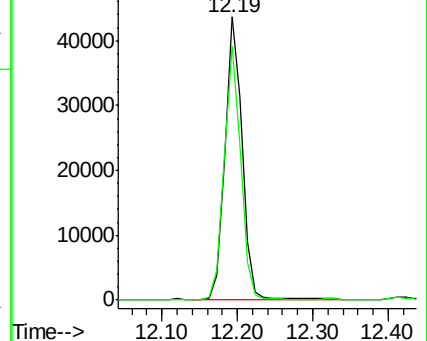
142 100

141 88.3 0.0 0.0#



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E



#9

Acenaphthylene

Concen: 0.59 ng/ul

RT: 14.09 min Scan# 824

Delta R.T. 0.00 min

Lab File: BM003169.D

Acq: 18 Nov 2015 20:34

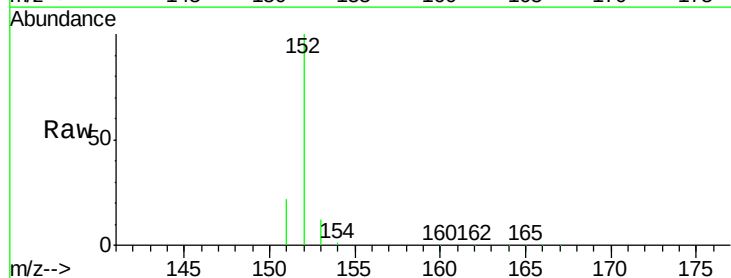
Tgt Ion:152 Resp: 81618

Ion Ratio Lower Upper

152 100

151 21.7 17.6 26.4

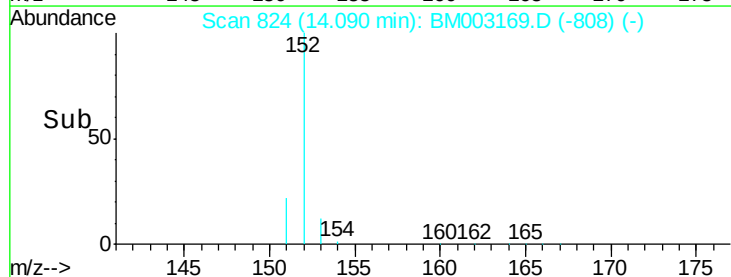
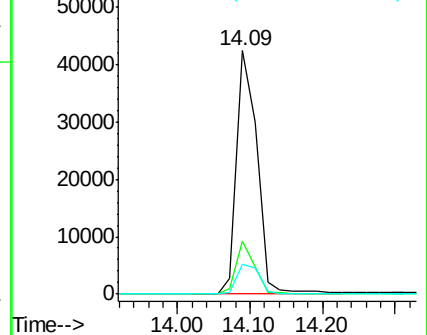
153 12.1 9.7 14.5

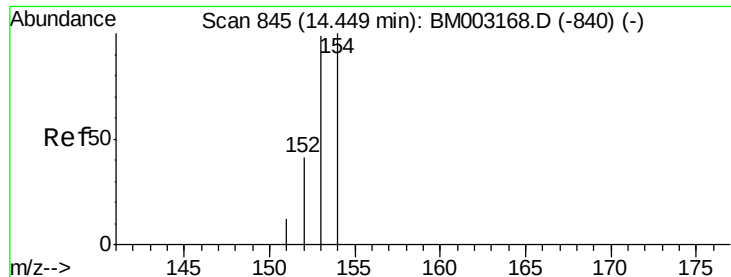


Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E





#10

Acenaphthene

Concen: 0.75 ng/ul

RT: 14.45 min Scan# 845

Delta R.T. 0.00 min

Lab File: BM003169.D

Acq: 18 Nov 2015 20:34

Instrument :

BNA_M

ClientSampleId :

SSTD0.848

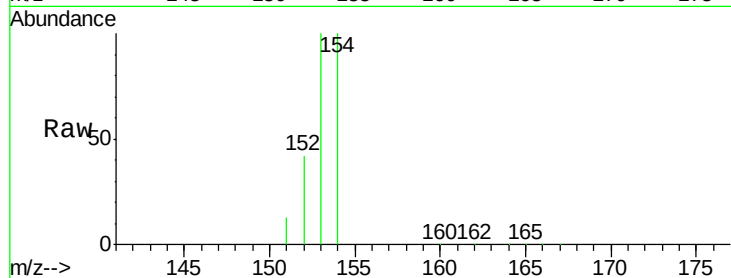
Tgt Ion:153 Resp: 69165

Ion Ratio Lower Upper

153 100

152 42.4 33.9 50.9

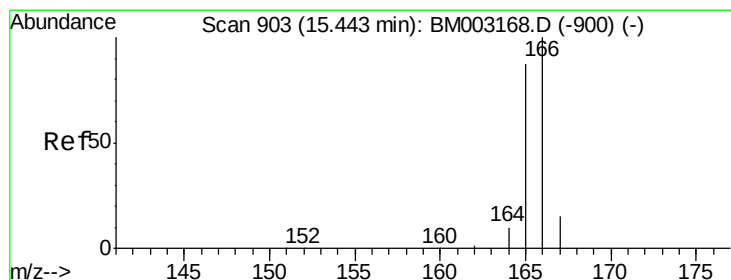
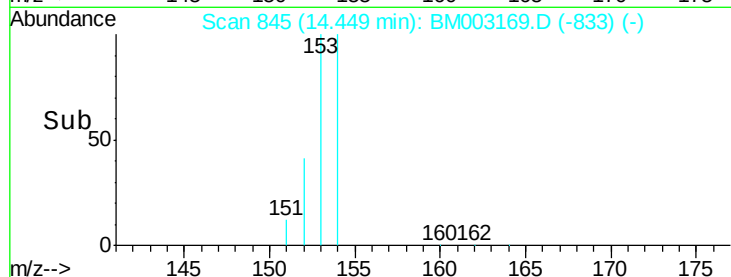
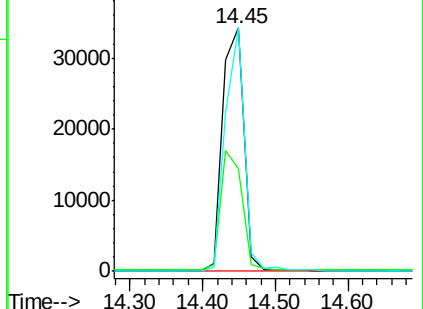
154 100.1 80.6 121.0



Abundance Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

Ion 154.00 (153.70 to 154.70): E



#11

Fluorene

Concen: 0.71 ng/ul

RT: 15.44 min Scan# 903

Delta R.T. 0.00 min

Lab File: BM003169.D

Acq: 18 Nov 2015 20:34

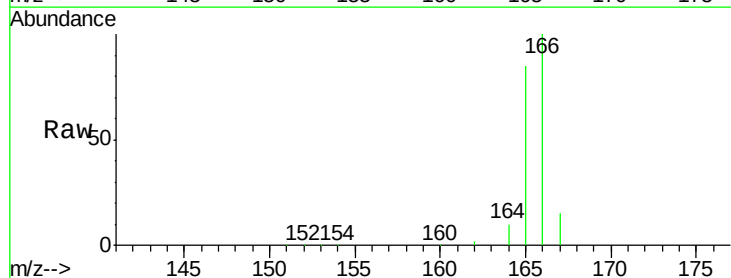
Tgt Ion:166 Resp: 75799

Ion Ratio Lower Upper

166 100

165 85.4 69.6 104.4

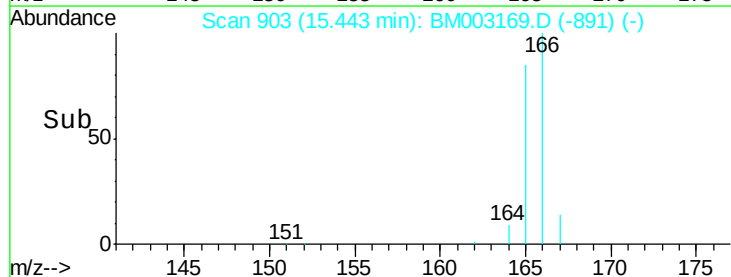
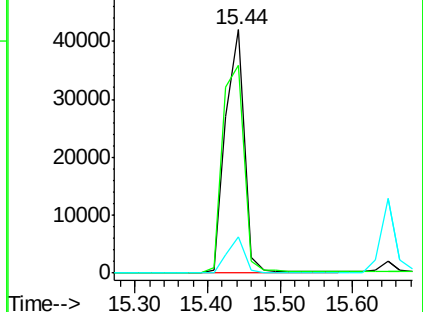
167 14.6 11.9 17.9

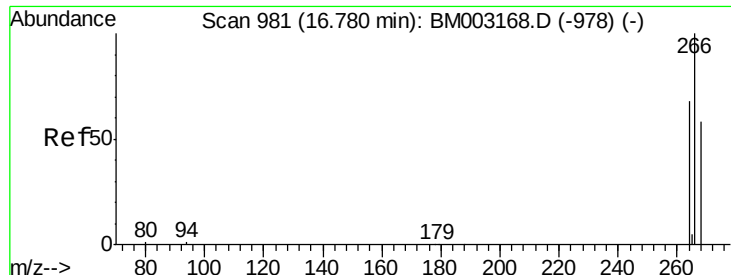


Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E

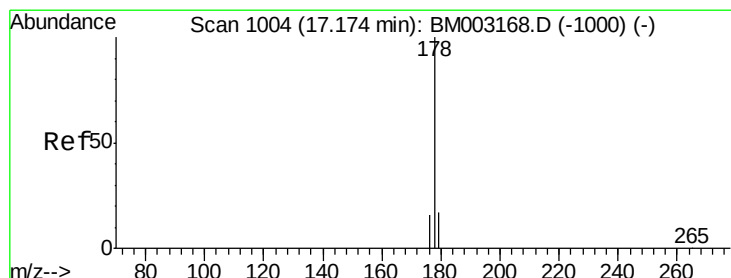
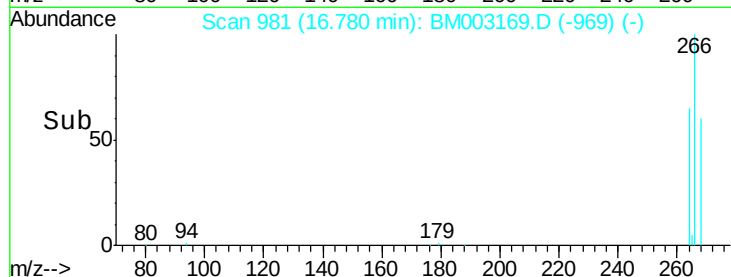
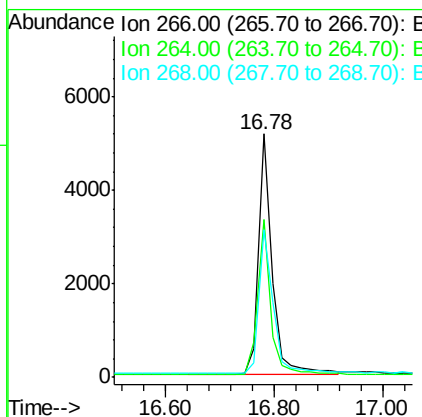
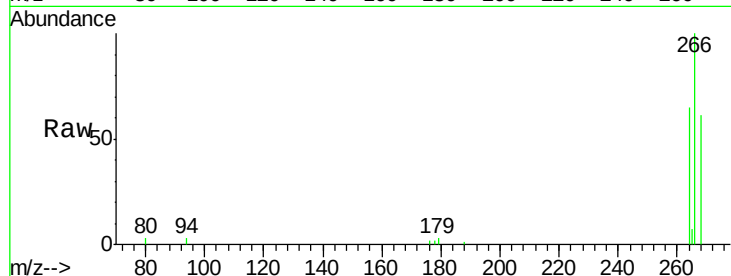




#13
 Pentachlorophenol
 Concen: 1.76 ng/ul
 RT: 16.78 min Scan# 981
 Delta R.T. 0.00 min
 Lab File: BM003169.D
 Acq: 18 Nov 2015 20:34

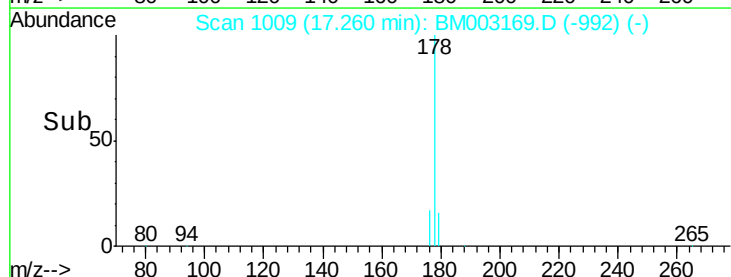
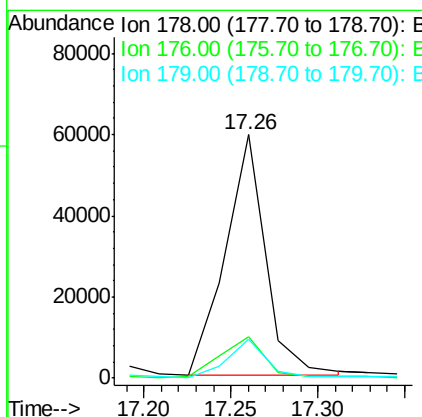
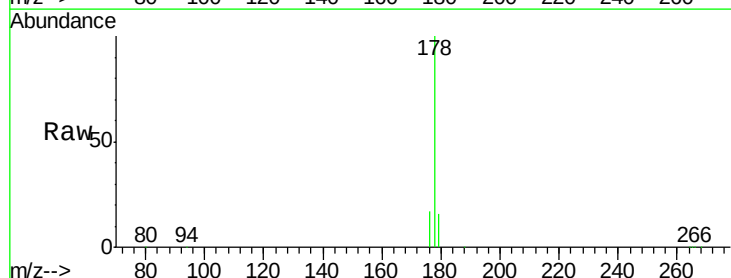
Instrument :
 BNA_M
 ClientSampleId :
 SSTD0.848

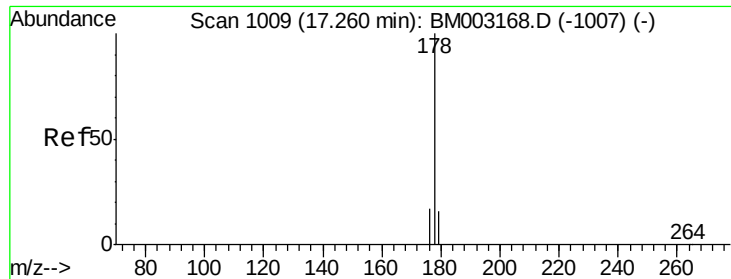
Tgt Ion: 266 Resp: 8889
 Ion Ratio Lower Upper
 266 100
 264 62.6 0.3 0.5#
 268 63.7 0.0 0.0#



#14
 Phenanthrene
 Concen: 0.59 ng/ul
 RT: 17.26 min Scan# 1009
 Delta R.T. 0.09 min
 Lab File: BM003169.D
 Acq: 18 Nov 2015 20:34

Tgt Ion: 178 Resp: 95298
 Ion Ratio Lower Upper
 178 100
 176 17.2 13.0 19.4
 179 16.2 14.2 21.2





#15

Anthracene

Concen: 0.68 ng/ul

RT: 17.26 min Scan# 1009

Delta R.T. 0.00 min

Lab File: BM003169.D

Acq: 18 Nov 2015 20:34

Instrument :

BNA_M

ClientSampleId :

SSTD0.848

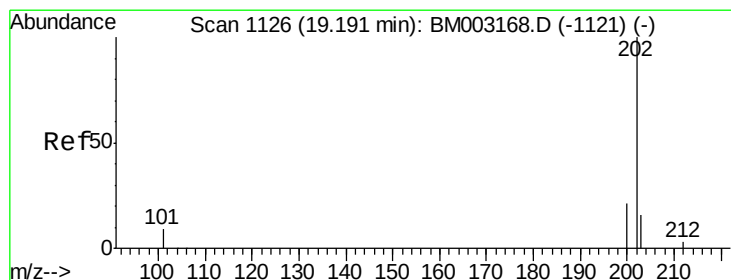
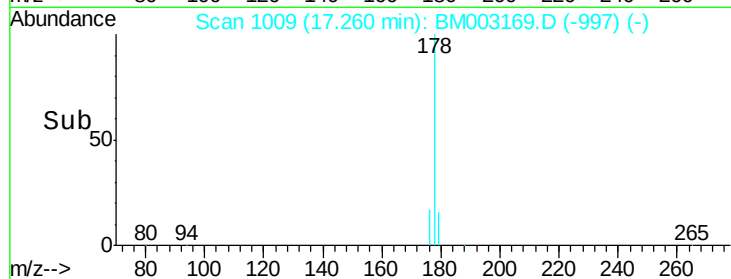
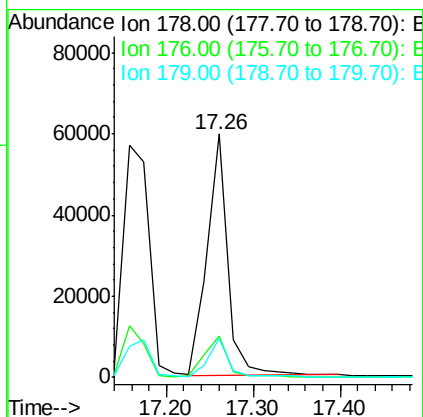
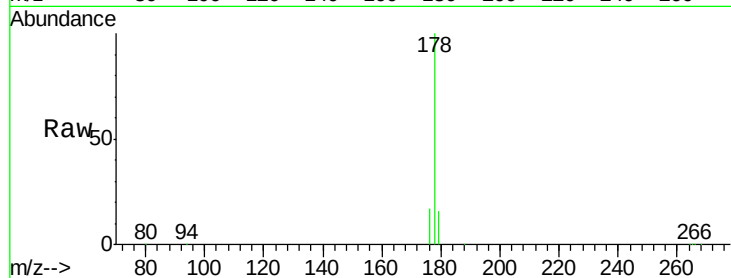
Tgt Ion:178 Resp: 99611

Ion Ratio Lower Upper

178 100

176 17.1 14.0 21.0

179 16.2 12.9 19.3



#17

Fluoranthene

Concen: 0.68 ng/ul

RT: 19.19 min Scan# 1126

Delta R.T. 0.00 min

Lab File: BM003169.D

Acq: 18 Nov 2015 20:34

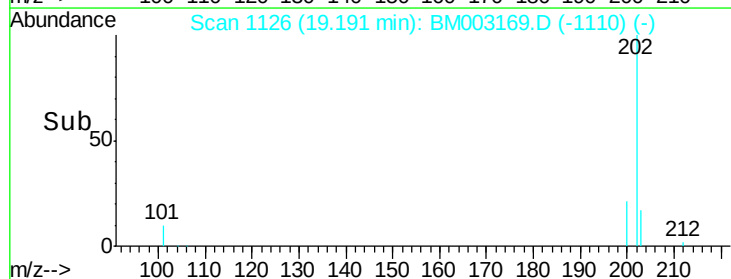
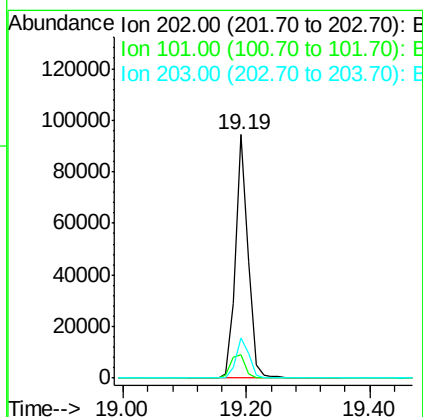
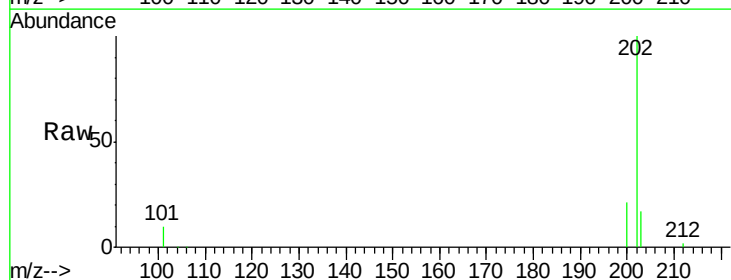
Tgt Ion:202 Resp: 129924

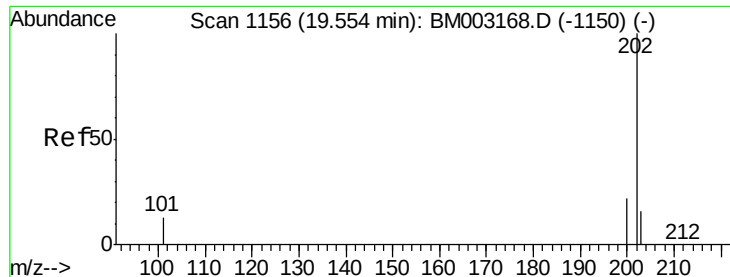
Ion Ratio Lower Upper

202 100

101 9.7 0.0 29.6

203 16.6 0.0 36.3





#19

Pyrene

Concen: 0.73 ng/ul

RT: 19.55 min Scan# 1156

Delta R.T. 0.00 min

Lab File: BM003169.D

Acq: 18 Nov 2015 20:34

Instrument :

BNA_M

ClientSampleId :

SSTD0.848

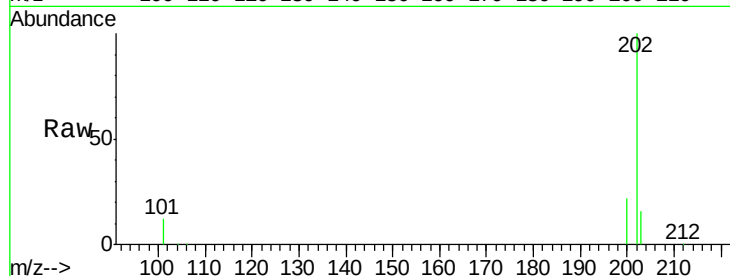
Tgt Ion:202 Resp: 128478

Ion Ratio Lower Upper

202 100

200 21.7 17.8 26.8

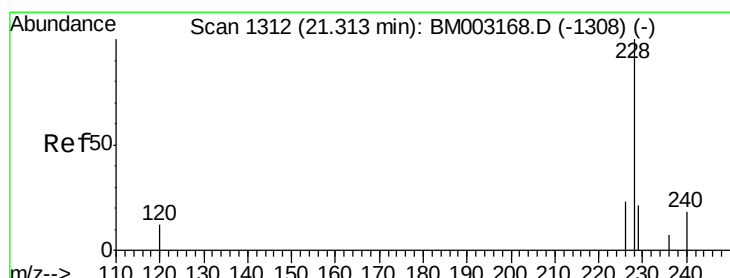
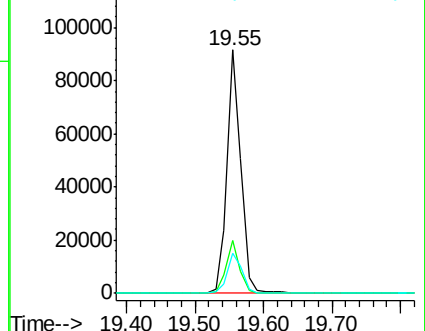
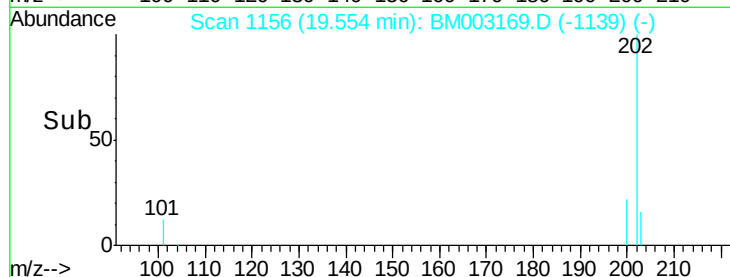
203 16.3 12.8 19.2



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: 0.70 ng/ul

RT: 21.30 min Scan# 1311

Delta R.T. -0.01 min

Lab File: BM003169.D

Acq: 18 Nov 2015 20:34

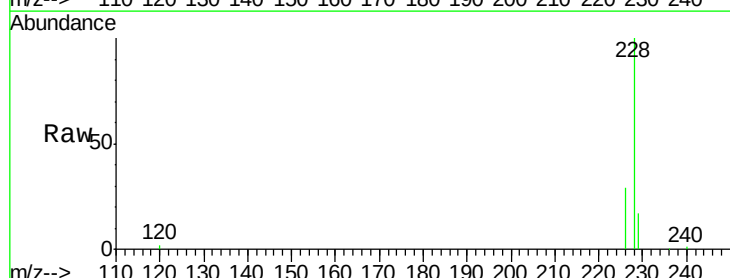
Tgt Ion:228 Resp: 109603

Ion Ratio Lower Upper

228 100

226 29.3 18.8 28.2#

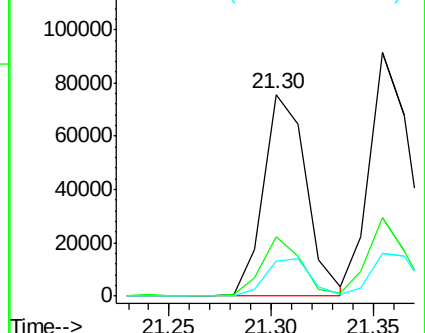
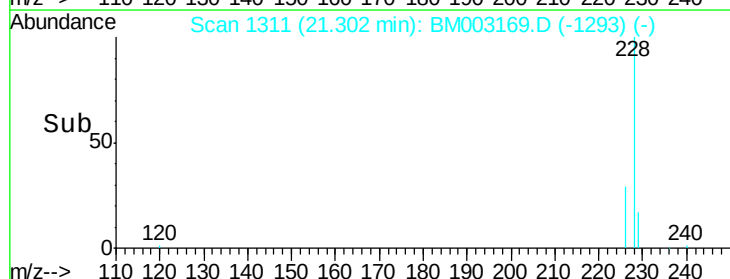
229 17.2 17.1 25.7

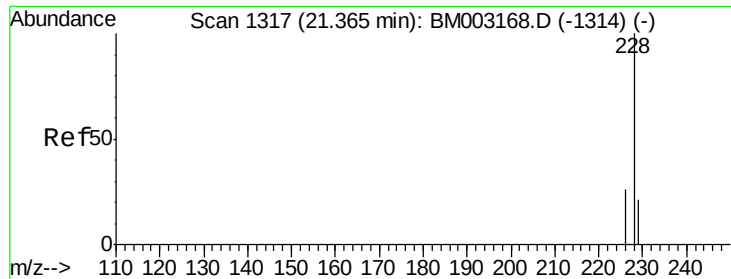


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#21

Chrysene

Concen: 0.66 ng/ul

RT: 21.30 min Scan# 1311

Delta R.T. -0.06 min

Lab File: BM003169.D

Acq: 18 Nov 2015 20:34

Instrument :

BNA_M

ClientSampleId :

SSTD0.848

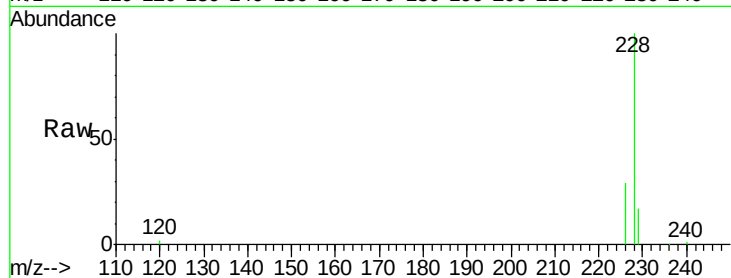
Tgt Ion:228 Resp: 109603

Ion Ratio Lower Upper

228 100

226 29.3 21.2 31.8

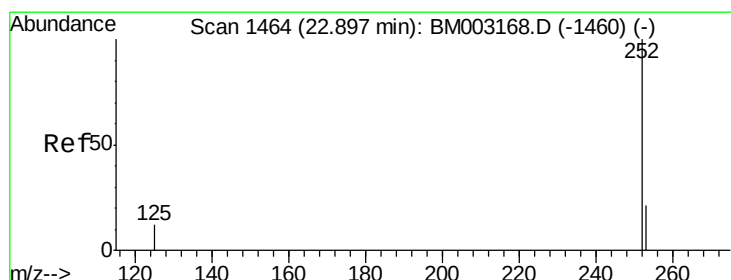
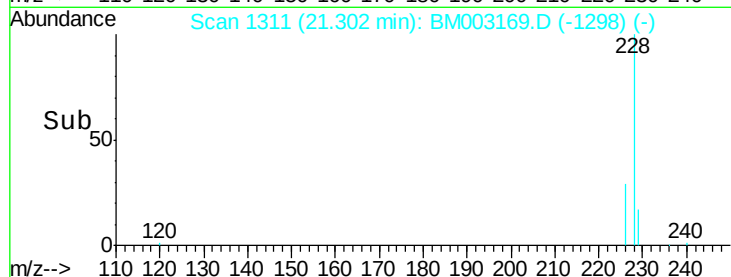
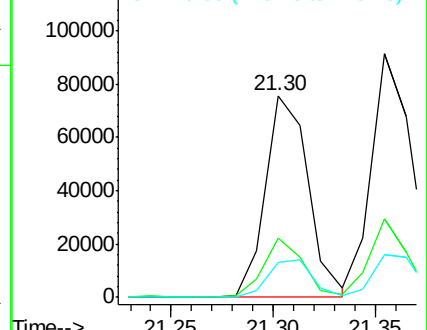
229 17.2 17.0 25.6



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: 0.83 ng/ul

RT: 22.90 min Scan# 1464

Delta R.T. 0.00 min

Lab File: BM003169.D

Acq: 18 Nov 2015 20:34

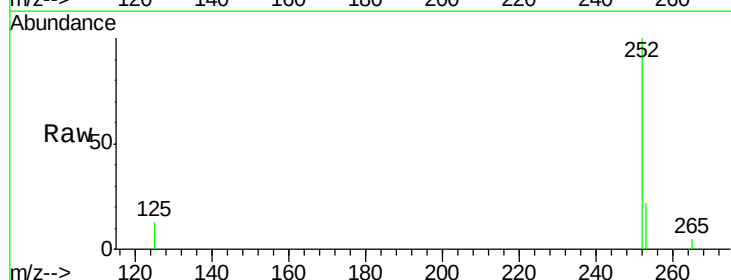
Tgt Ion:252 Resp: 116700

Ion Ratio Lower Upper

252 100

253 21.9 0.0 45.4

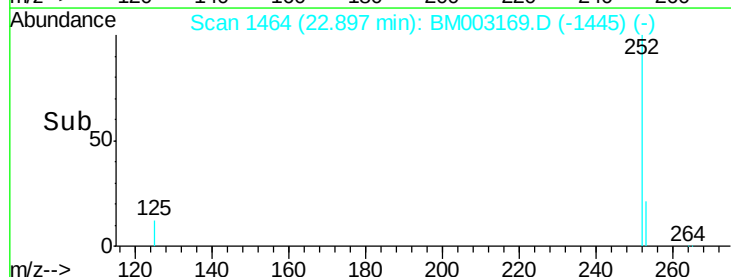
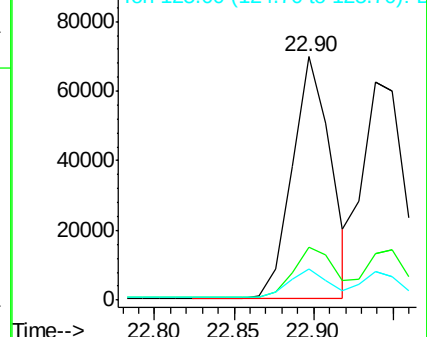
125 12.9 0.0 28.8

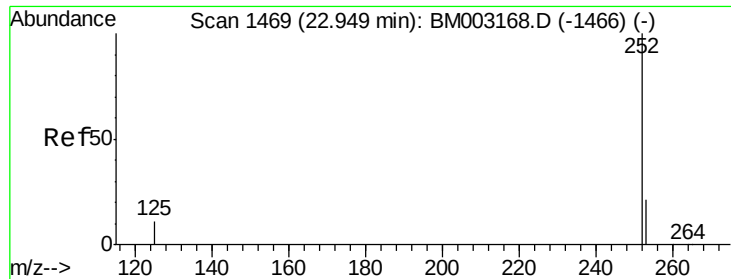


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#24

Benzo(k)fluoranthene

Concen: 0.83 ng/ul

RT: 22.94 min Scan# 1468

Delta R.T. -0.01 min

Lab File: BM003169.D

Acq: 18 Nov 2015 20:34

Instrument :

BNA_M

ClientSampleId :

SSTD0.848

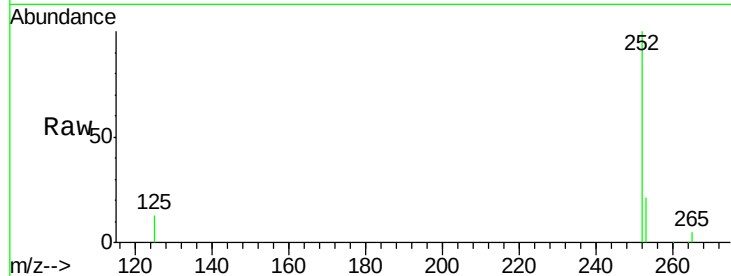
Tgt Ion:252 Resp: 115086

Ion Ratio Lower Upper

252 100

253 21.3 19.8 29.8

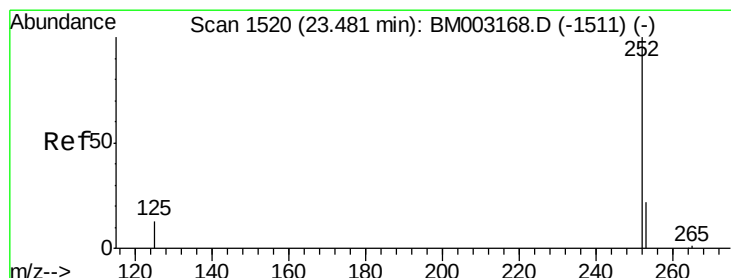
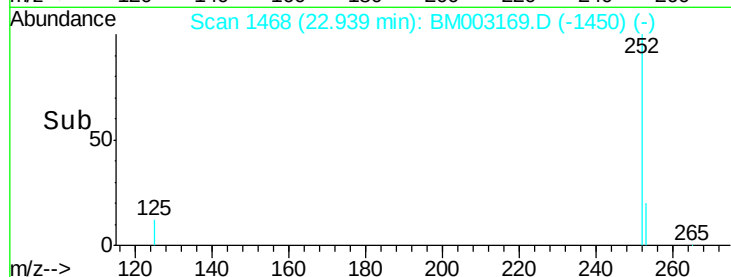
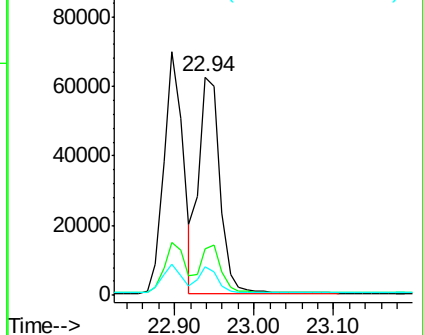
125 13.3 10.4 15.6



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: 0.78 ng/ul

RT: 23.48 min Scan# 1520

Delta R.T. 0.00 min

Lab File: BM003169.D

Acq: 18 Nov 2015 20:34

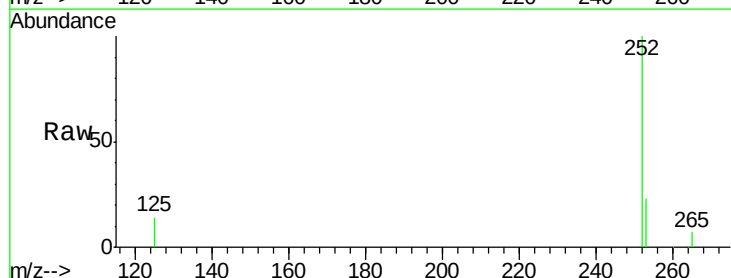
Tgt Ion:252 Resp: 104809

Ion Ratio Lower Upper

252 100

253 22.7 19.4 29.2

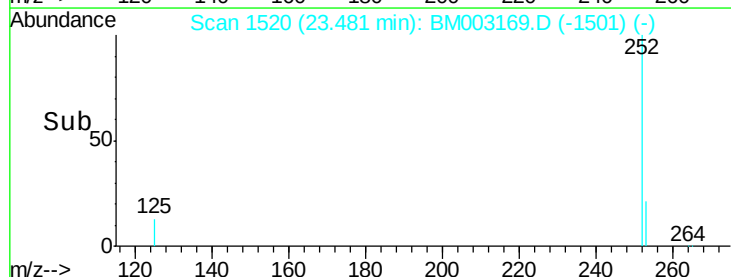
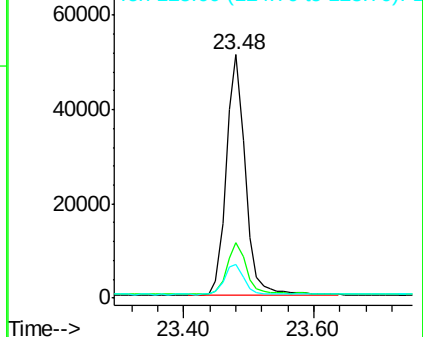
125 13.9 12.7 19.1

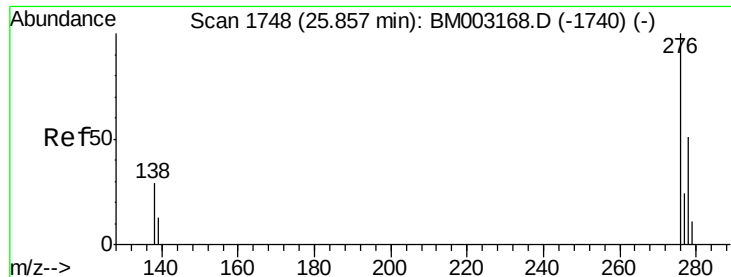


Abundance Ion 252.00 (251.70 to 252.70): E

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: 0.84 ng/ul

RT: 25.86 min Scan# 1748

Delta R.T. 0.00 min

Lab File: BM003169.D

Acq: 18 Nov 2015 20:34

Instrument :

BNA_M

ClientSampleId :

SSTD0.848

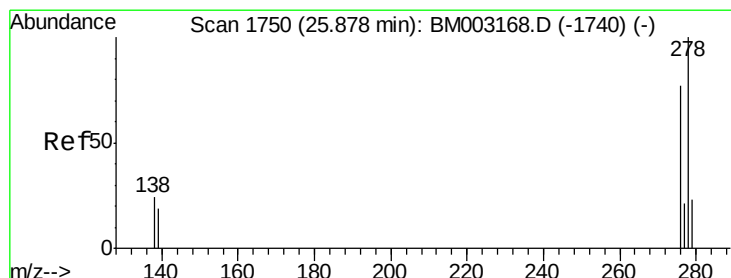
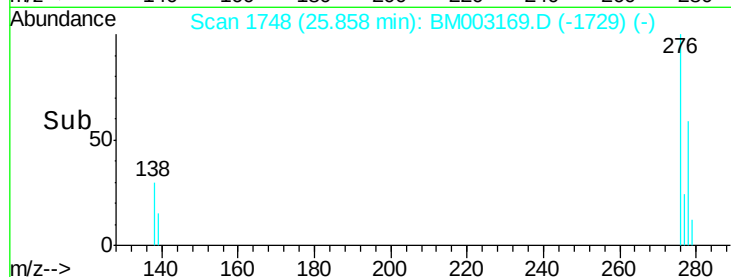
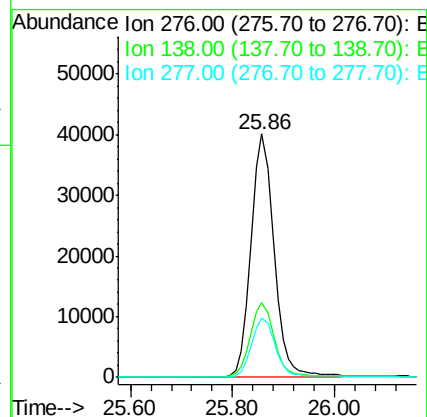
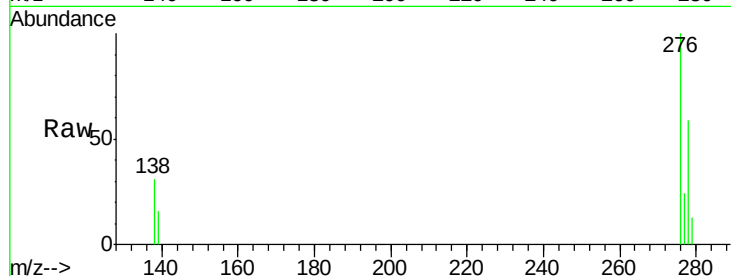
Tgt Ion:276 Resp: 126008

Ion Ratio Lower Upper

276 100

138 30.8 0.0 0.0#

277 24.7 0.0 0.0#



#27

Dibenzo(a,h)anthracene

Concen: 0.84 ng/ul

RT: 25.88 min Scan# 1750

Delta R.T. 0.00 min

Lab File: BM003169.D

Acq: 18 Nov 2015 20:34

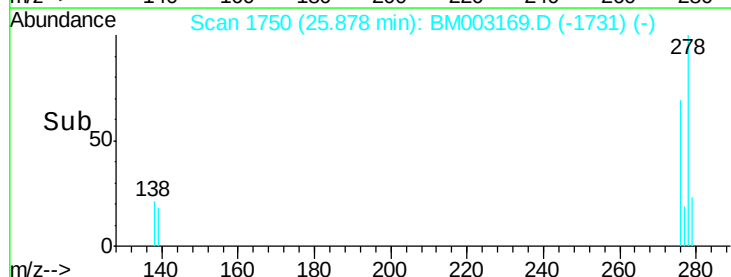
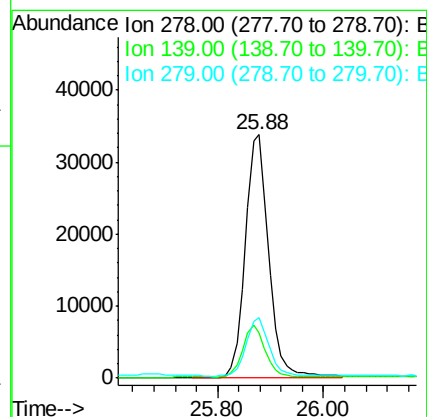
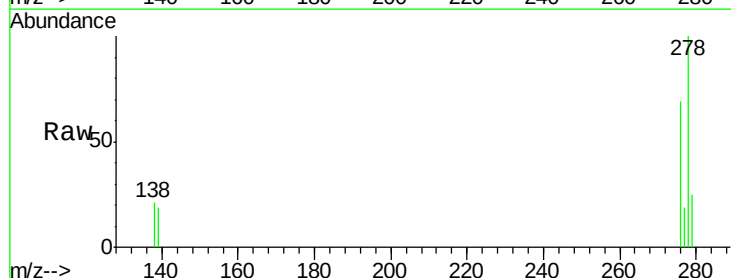
Tgt Ion:278 Resp: 103083

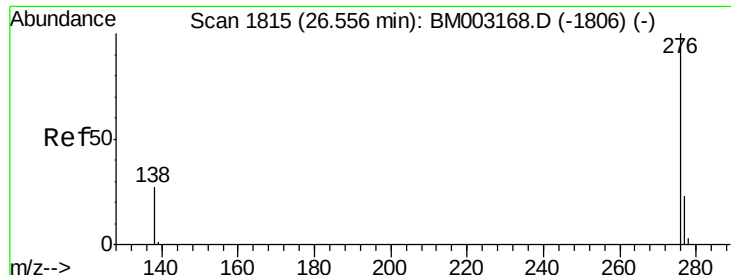
Ion Ratio Lower Upper

278 100

139 18.7 16.4 24.6

279 25.0 20.2 30.2





#28

Benzo(g,h,i)perylene

Concen: 0.88 ng/ul

RT: 26.56 min Scan# 1815

Delta R.T. 0.00 min

Lab File: BM003169.D

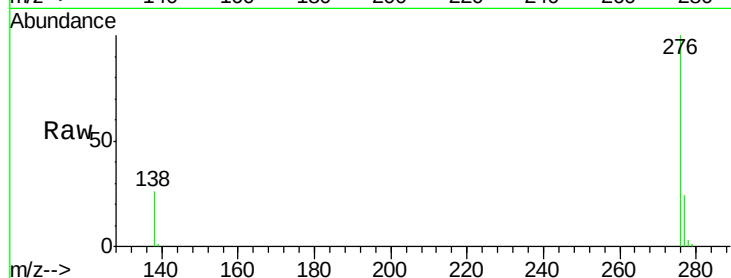
Acq: 18 Nov 2015 20:34

Instrument :

BNA_M

ClientSampleId :

SSTD0.848



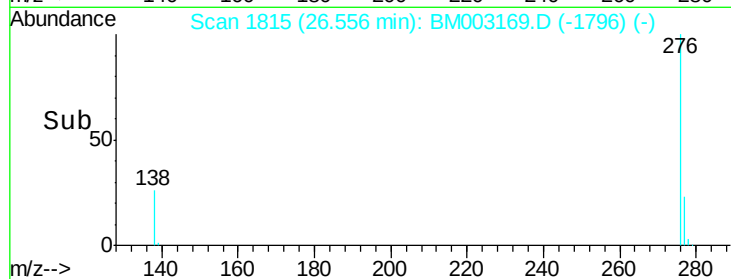
Tgt Ion: 276 Resp: 111226

Ion Ratio Lower Upper

276 100

277 23.6 18.9 28.3

138 26.4 22.5 33.7



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

