

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM111815\
 Data File : BM003166.D
 Acq On : 18 Nov 2015 18:46
 Operator : UM/IZ
 Sample : SSTD0.1045
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 SSTD0.145

Quant Time: Nov 19 03:06:32 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	14040	0.40	ng/ul	0.00
4) Naphthalene-d8	10.53	136	49025	0.40	ng/ul	0.00
8) Acenaphthene-d10	14.38	164	22695	0.40	ng/ul	0.00
12) Phenanthrene-d10	17.12	188	47753	0.40	ng/ul	0.00
18) Chrysene-d12	21.32	240	46270	0.40	ng/ul	0.00
22) Perylene-d12	23.58	264	40676	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	3803	0.25	ng/uL	0.00
6) 2-Methylnaphthalene-d10	12.12	152	6731	0.08	ng/ul	0.00
16) Fluoranthene-d10	19.17	212	11841	0.09	ng/ul	0.00

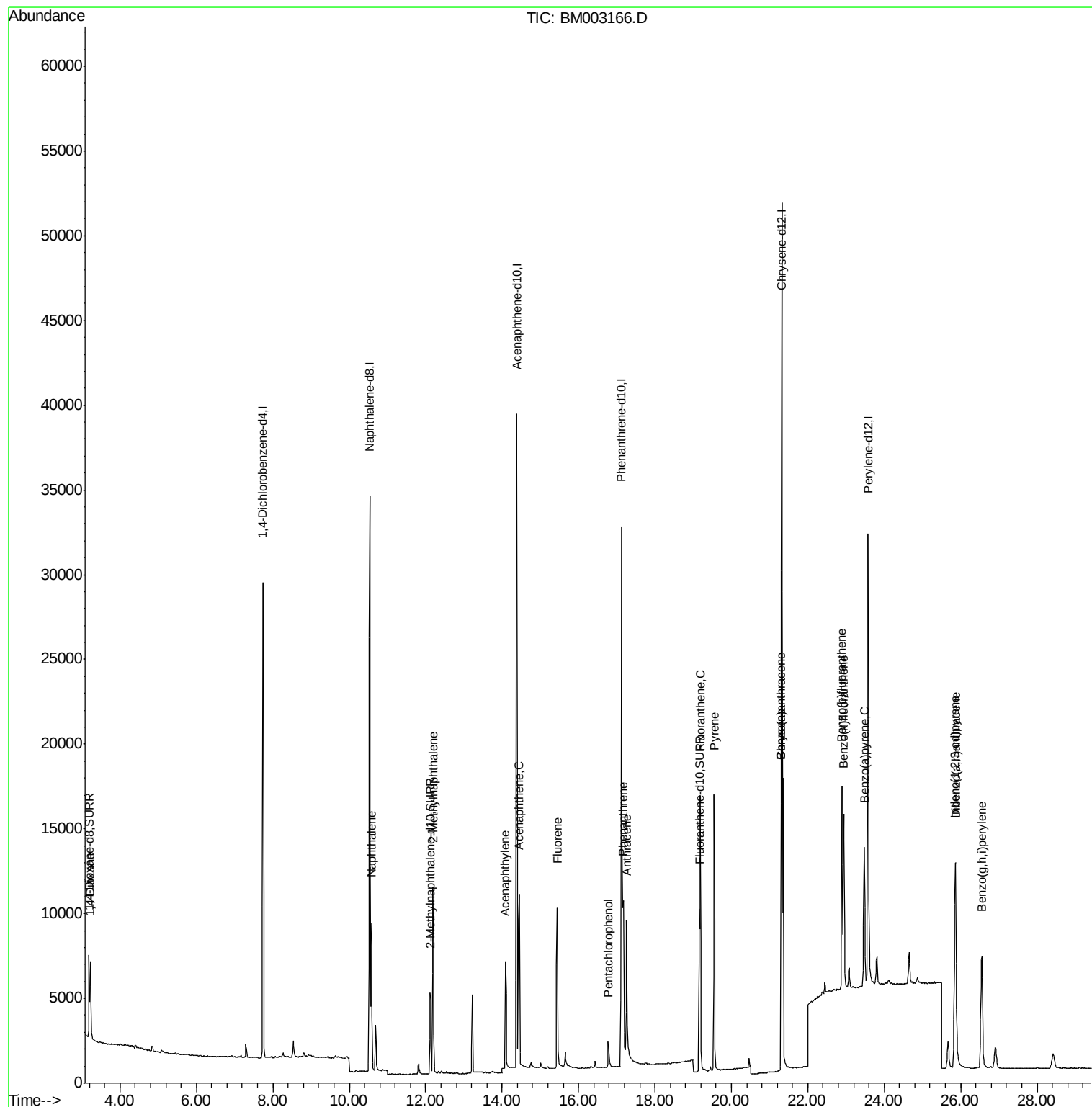
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) 1,4-Dioxane	3.23	88	4626	0.27	ng/ul#	100
5) Naphthalene	10.58	128	12654	0.10	ng/ul	98
7) 2-Methylnaphthalene	12.19	142	8015	0.09	ng/ul#	100
9) Acenaphthylene	14.09	152	9403	0.08	ng/ul	99
10) Acenaphthene	14.45	153	7974	0.10	ng/ul	98
11) Fluorene	15.44	166	8266	0.09	ng/ul	96
13) Pentachlorophenol	16.78	266	1522	0.33	ng/ul#	16
14) Phenanthrene	17.17	178	13545	0.09	ng/ul	98
15) Anthracene	17.26	178	11098	0.08	ng/ul	97
17) Fluoranthene	19.19	202	15403	0.09	ng/ul	98
19) Pyrene	19.55	202	15873	0.09	ng/ul	99
20) Benzo(a)anthracene	21.30	228	13237	0.09	ng/ul#	91
21) Chrysene	21.30	228	13217	0.08	ng/ul	94
23) Benzo(b)fluoranthene	22.90	252	15283	0.11	ng/ul	86
24) Benzo(k)fluoranthene	22.94	252	14169	0.10	ng/ul#	87
25) Benzo(a)pyrene	23.48	252	13608	0.10	ng/ul#	81
26) Indeno(1,2,3-cd)pyrene	25.86	276	16109	0.11	ng/ul#	100
27) Dibenzo(a,h)anthracene	25.87	278	12922	0.10	ng/ul#	90
28) Benzo(g,h,i)perylene	26.56	276	14377	0.11	ng/ul	97

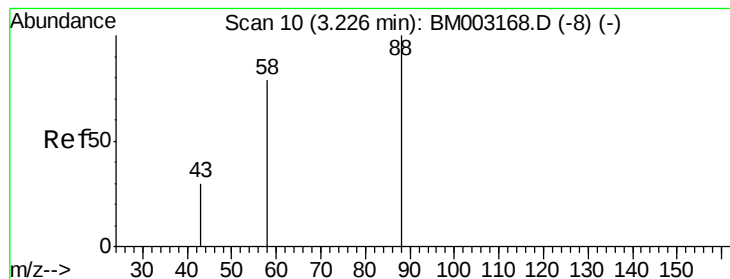
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Nov 19 03:06:32 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





#3

1,4-Dioxane

Concen: 0.27 ng/ul

RT: 3.23 min Scan# 10

Delta R.T. -0.00 min

Lab File: BM003166.D

Acq: 18 Nov 2015 18:46

Instrument :

BNA_M

ClientSampleId :

SSTD0.145

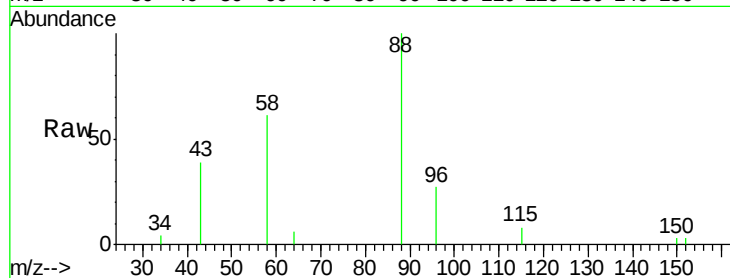
Tgt Ion: 88 Resp: 4626

Ion Ratio Lower Upper

88 100

58 54.9 0.0 0.0#

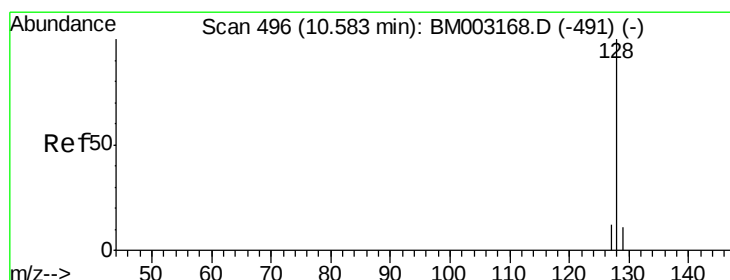
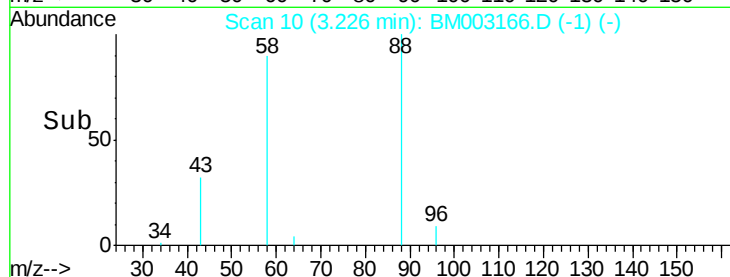
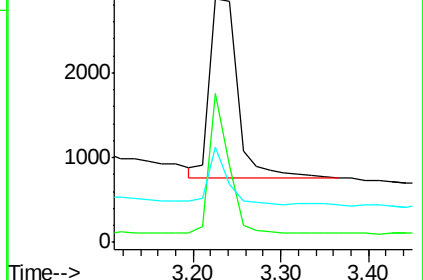
43 22.7 0.0 0.0#



Abundance Ion 88.00 (87.70 to 88.70): BM003166.D (-8) (-)

Ion 58.00 (57.70 to 58.70): BM003166.D (-8) (-)

Ion 43.00 (42.70 to 43.70): BM003166.D (-8) (-)



#5

Naphthalene

Concen: 0.10 ng/ul

RT: 10.58 min Scan# 496

Delta R.T. -0.00 min

Lab File: BM003166.D

Acq: 18 Nov 2015 18:46

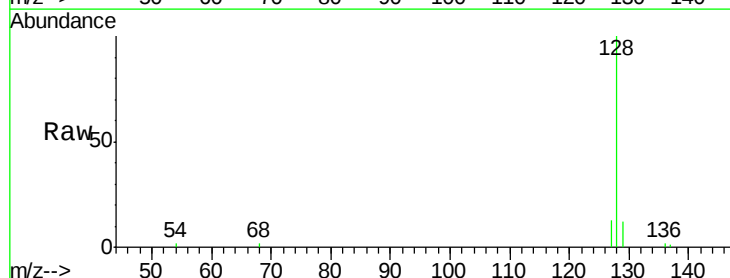
Tgt Ion: 128 Resp: 12654

Ion Ratio Lower Upper

128 100

129 12.2 9.0 13.6

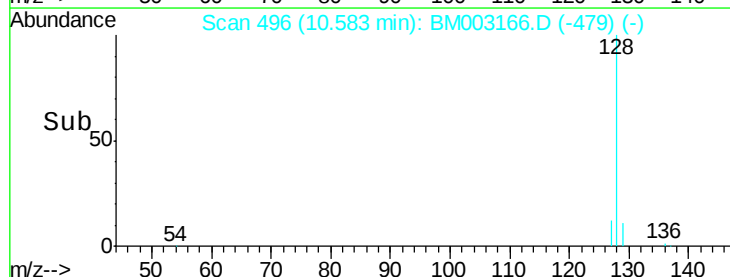
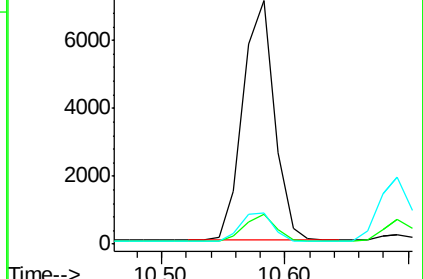
127 12.6 9.6 14.4

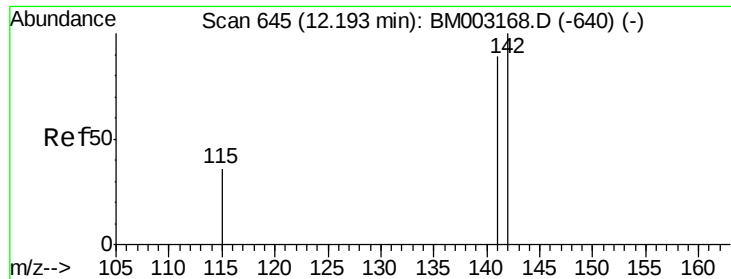


Abundance Ion 128.00 (127.70 to 128.70): BM003166.D (-491) (-)

Ion 129.00 (128.70 to 129.70): BM003166.D (-491) (-)

Ion 127.00 (126.70 to 127.70): BM003166.D (-491) (-)





#7

2-Methylnaphthalene

Concen: 0.09 ng/ul

RT: 12.19 min Scan# 645

Delta R.T. -0.00 min

Lab File: BM003166.D

Acq: 18 Nov 2015 18:46

Instrument :

BNA_M

ClientSampled :

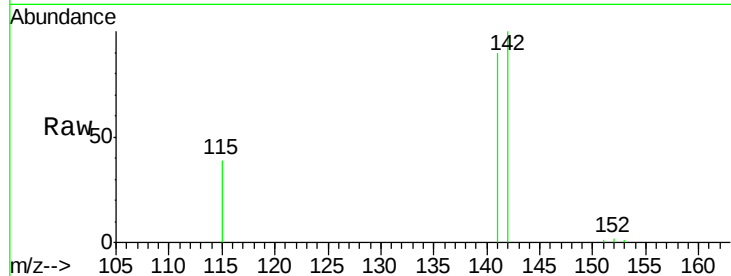
SSTD0.145

Tgt Ion:142 Resp: 8015

Ion Ratio Lower Upper

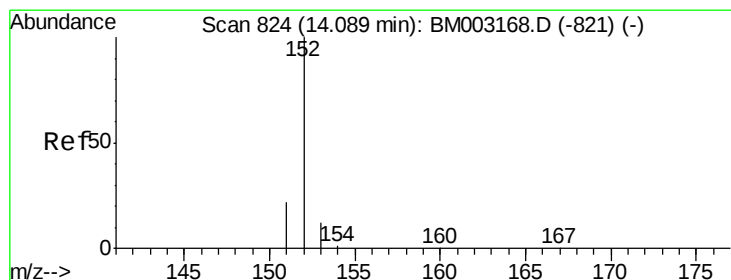
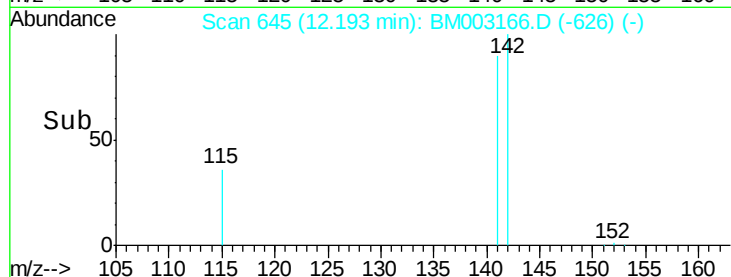
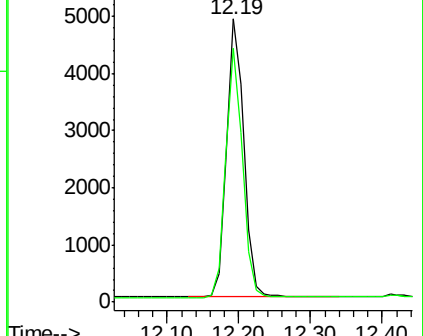
142 100

141 88.9 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: 0.08 ng/ul

RT: 14.09 min Scan# 824

Delta R.T. -0.00 min

Lab File: BM003166.D

Acq: 18 Nov 2015 18:46

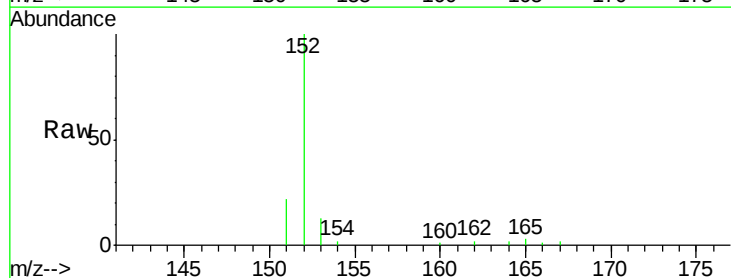
Tgt Ion:152 Resp: 9403

Ion Ratio Lower Upper

152 100

151 22.2 17.6 26.4

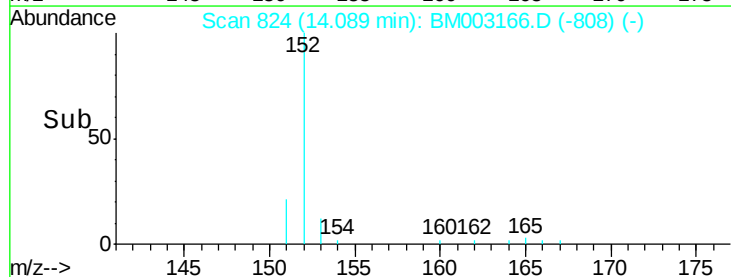
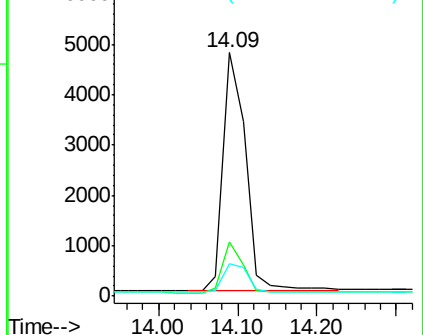
153 13.2 9.7 14.5

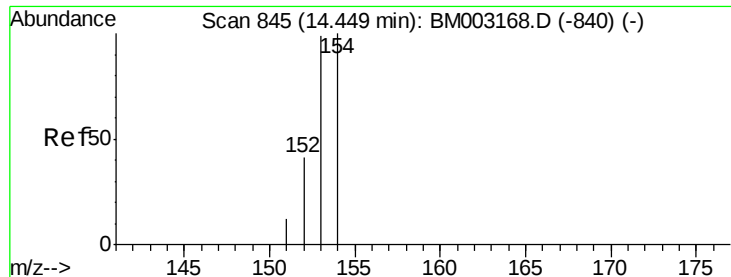


Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E





#10

Acenaphthene

Concen: 0.10 ng/ul

RT: 14.45 min Scan# 845

Delta R.T. -0.00 min

Lab File: BM003166.D

Acq: 18 Nov 2015 18:46

Instrument :

BNA_M

ClientSampleId :

SSTD0.145

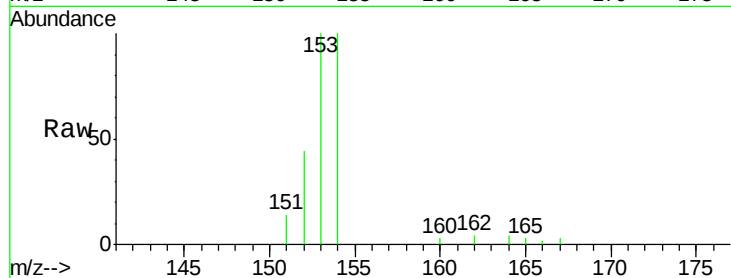
Tgt Ion:153 Resp: 7974

Ion Ratio Lower Upper

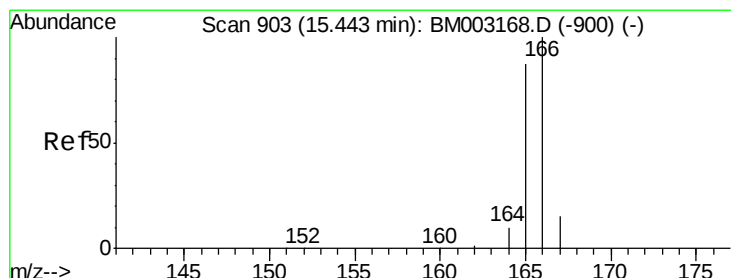
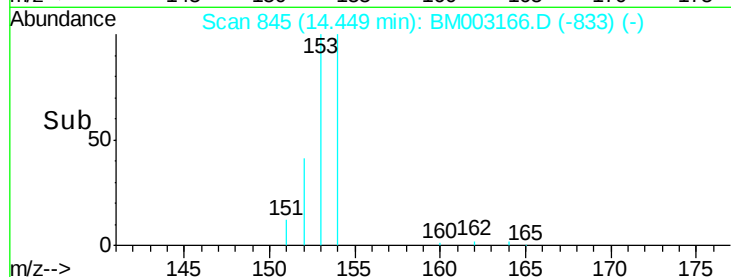
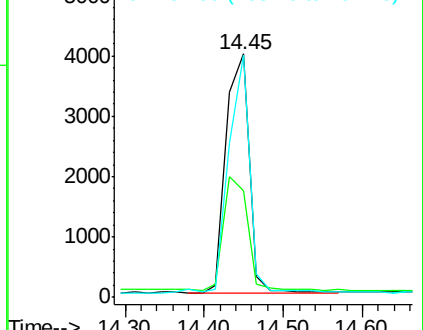
153 100

152 44.0 33.9 50.9

154 99.7 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: 0.09 ng/ul

RT: 15.44 min Scan# 903

Delta R.T. -0.00 min

Lab File: BM003166.D

Acq: 18 Nov 2015 18:46

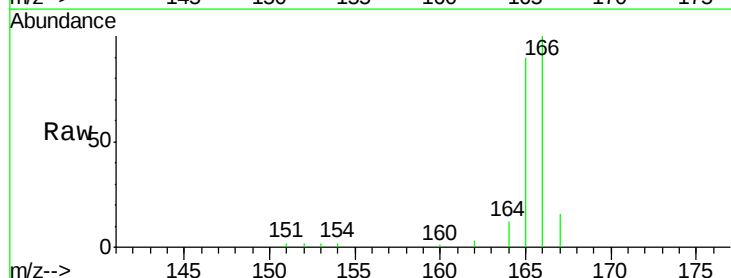
Tgt Ion:166 Resp: 8266

Ion Ratio Lower Upper

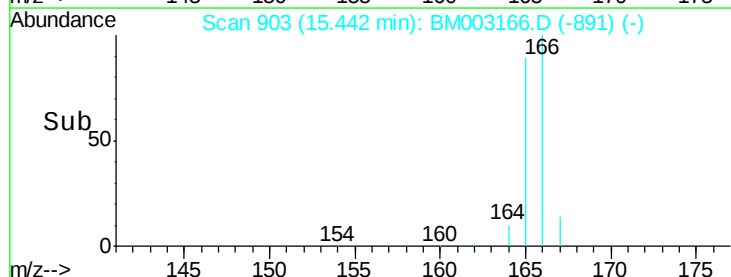
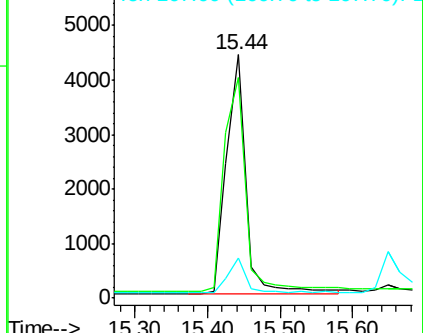
166 100

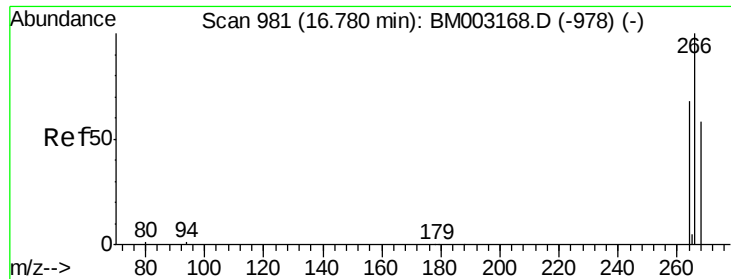
165 90.4 69.6 104.4

167 16.5 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

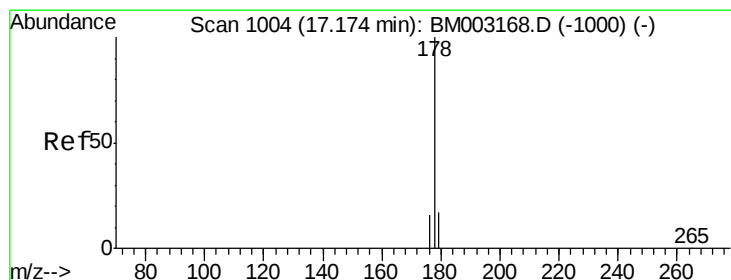
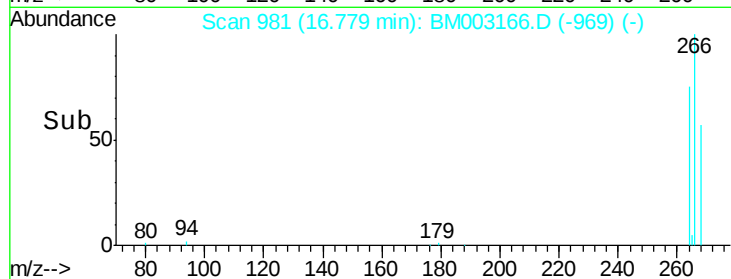
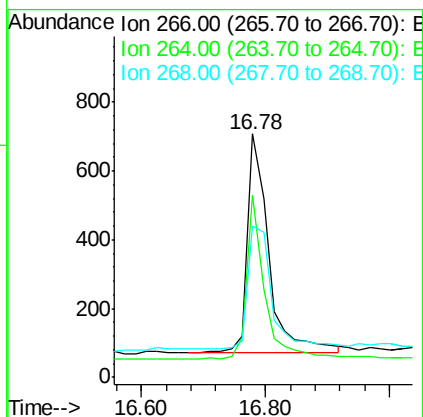
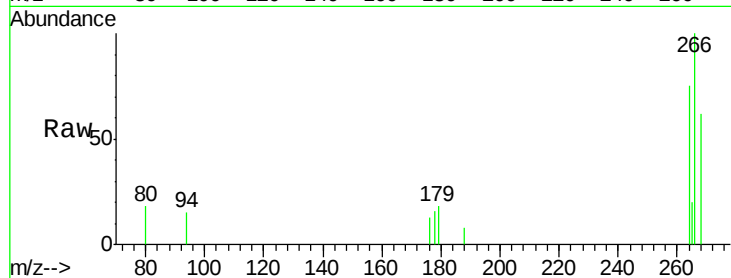




#13
 Pentachlorophenol
 Concen: 0.33 ng/ul
 RT: 16.78 min Scan# 981
 Delta R.T. -0.00 min
 Lab File: BM003166.D
 Acq: 18 Nov 2015 18:46

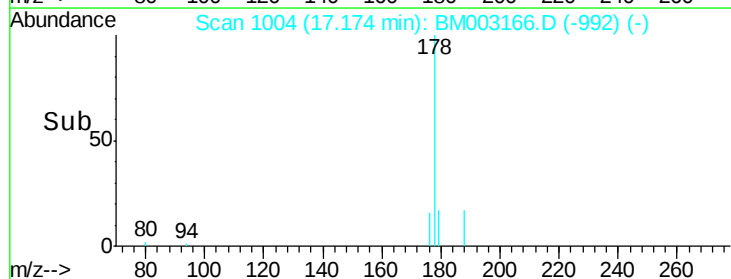
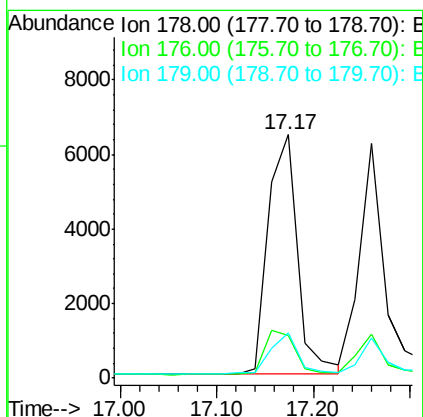
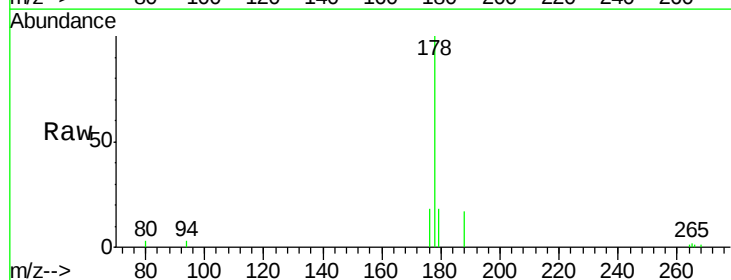
Instrument :
 BNA_M
 ClientSampleId :
 SST0.145

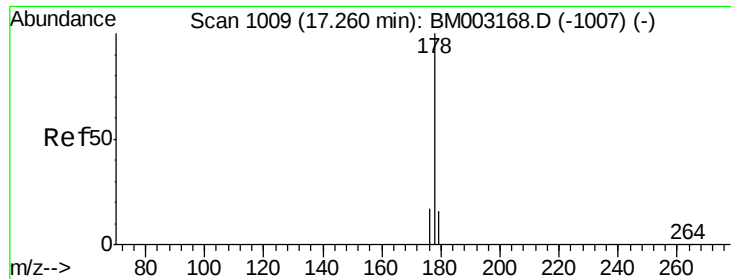
Tgt Ion: 266 Resp: 1522
 Ion Ratio Lower Upper
 266 100
 264 63.6 0.3 0.5#
 268 64.9 0.0 0.0#



#14
 Phenanthrene
 Concen: 0.09 ng/ul
 RT: 17.17 min Scan# 1004
 Delta R.T. -0.00 min
 Lab File: BM003166.D
 Acq: 18 Nov 2015 18:46

Tgt Ion: 178 Resp: 13545
 Ion Ratio Lower Upper
 178 100
 176 17.6 13.0 19.4
 179 18.5 14.2 21.2





#15

Anthracene

Concen: 0.08 ng/ul

RT: 17.26 min Scan# 1009

Delta R.T. -0.00 min

Lab File: BM003166.D

Acq: 18 Nov 2015 18:46

Instrument :

BNA_M

ClientSampleId :

SSTD0.145

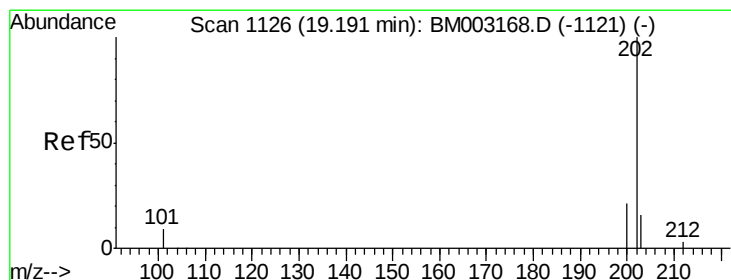
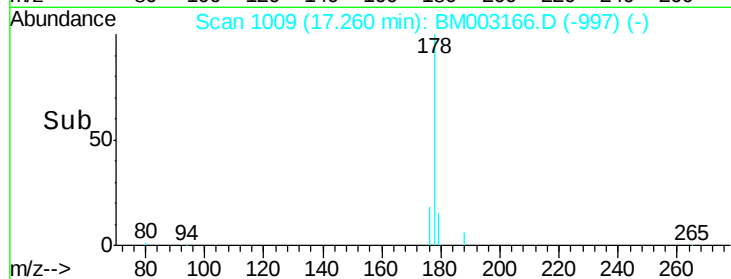
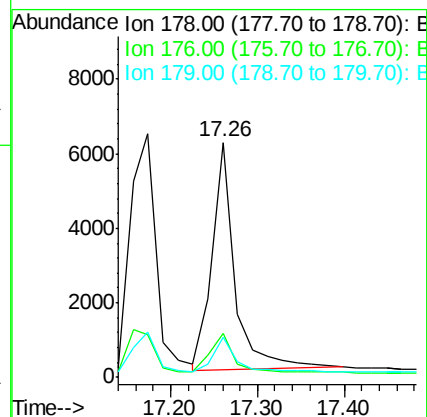
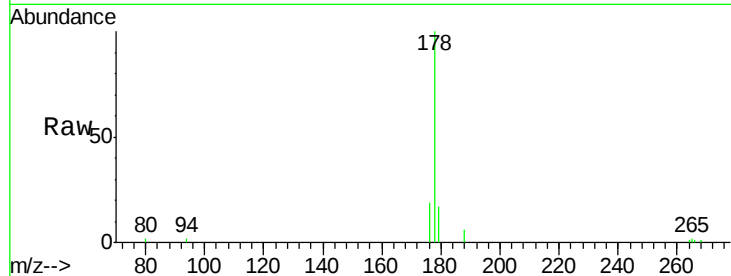
Tgt Ion:178 Resp: 11098

Ion Ratio Lower Upper

178 100

176 19.0 14.0 21.0

179 17.0 12.9 19.3



#17

Fluoranthene

Concen: 0.09 ng/ul

RT: 19.19 min Scan# 1126

Delta R.T. -0.00 min

Lab File: BM003166.D

Acq: 18 Nov 2015 18:46

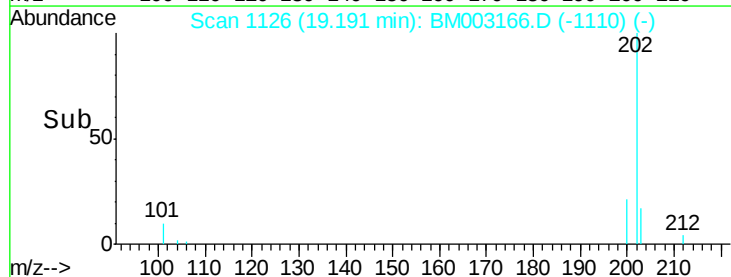
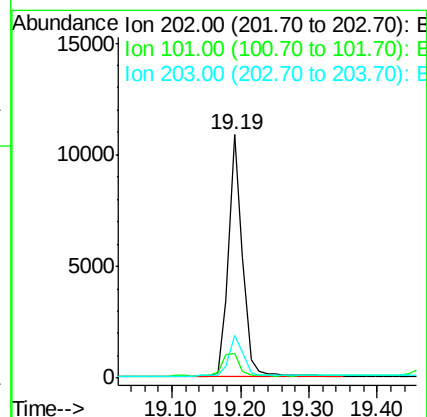
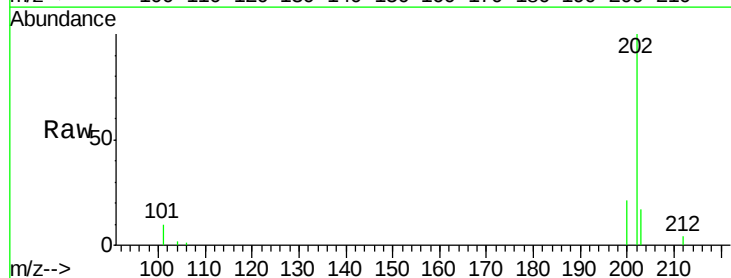
Tgt Ion:202 Resp: 15403

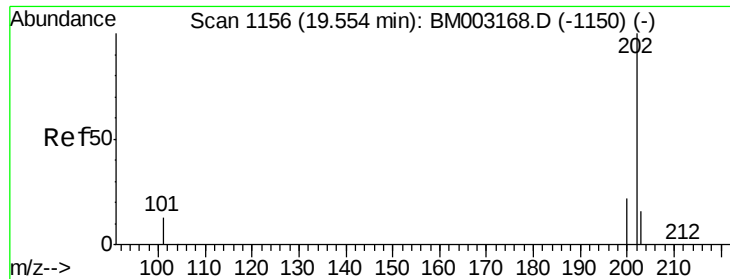
Ion Ratio Lower Upper

202 100

101 10.3 0.0 29.6

203 17.3 0.0 36.3





#19

Pyrene

Concen: 0.09 ng/ul

RT: 19.55 min Scan# 1156

Delta R.T. -0.00 min

Lab File: BM003166.D

Acq: 18 Nov 2015 18:46

Instrument :

BNA_M

ClientSampleId :

SSTD0.145

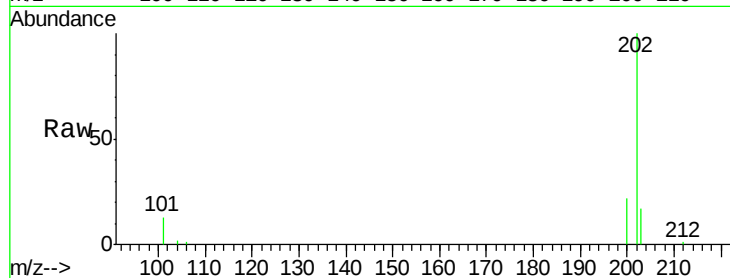
Tgt Ion:202 Resp: 15873

Ion Ratio Lower Upper

202 100

200 22.3 17.8 26.8

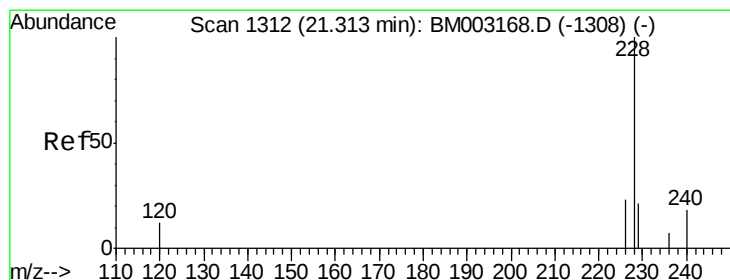
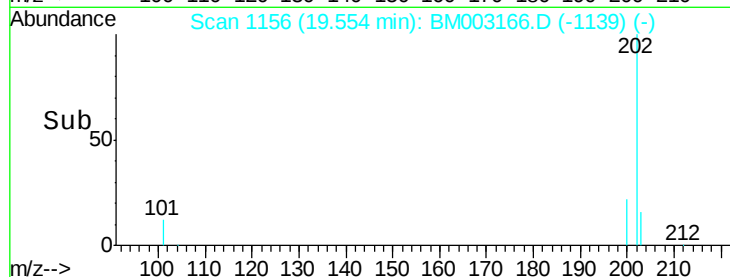
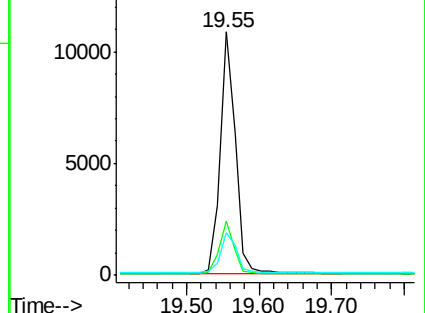
203 17.4 12.8 19.2



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: 0.09 ng/ul

RT: 21.30 min Scan# 1311

Delta R.T. -0.01 min

Lab File: BM003166.D

Acq: 18 Nov 2015 18:46

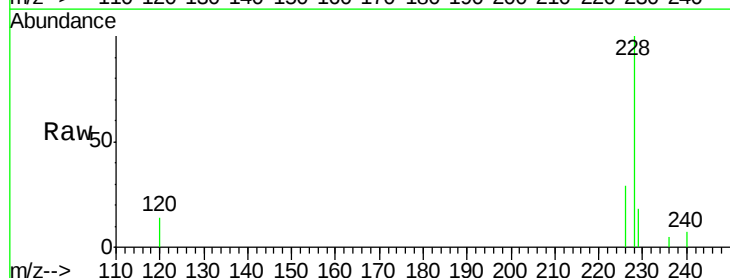
Tgt Ion:228 Resp: 13237

Ion Ratio Lower Upper

228 100

226 29.0 18.8 28.2#

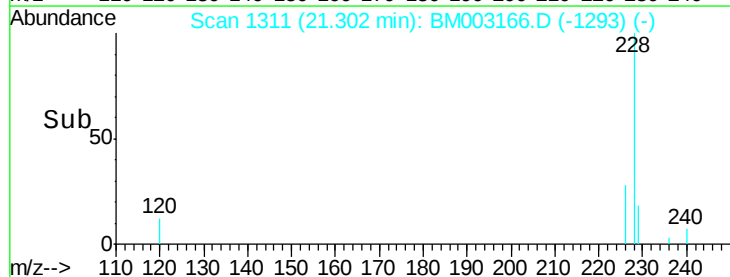
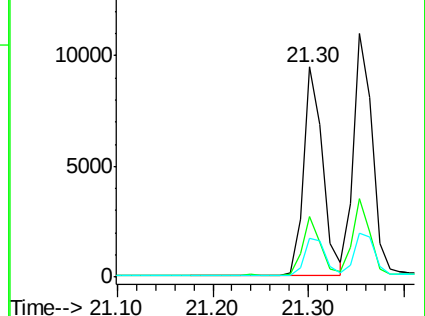
229 18.2 17.1 25.7

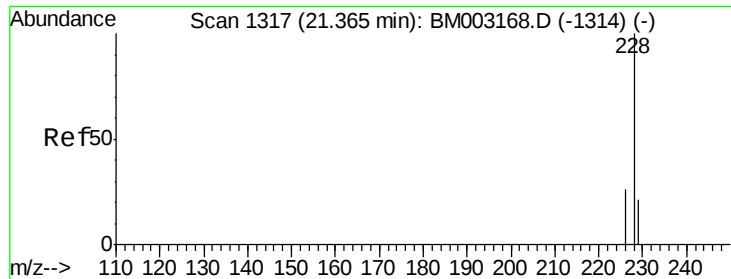


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#21

Chrysene

Concen: 0.08 ng/ul

RT: 21.30 min Scan# 1311

Delta R.T. -0.06 min

Lab File: BM003166.D

Acq: 18 Nov 2015 18:46

Instrument :

BNA_M

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SSTD0.145

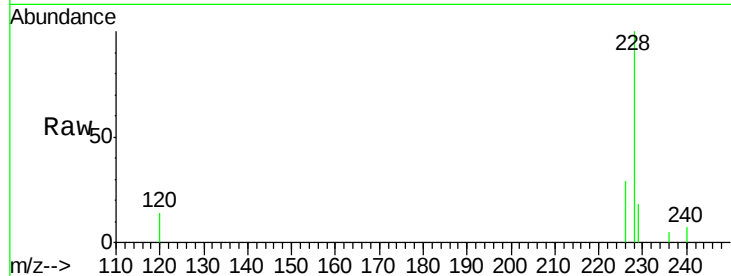
Tgt Ion:228 Resp: 13217

Ion Ratio Lower Upper

228 100

226 29.0 21.2 31.8

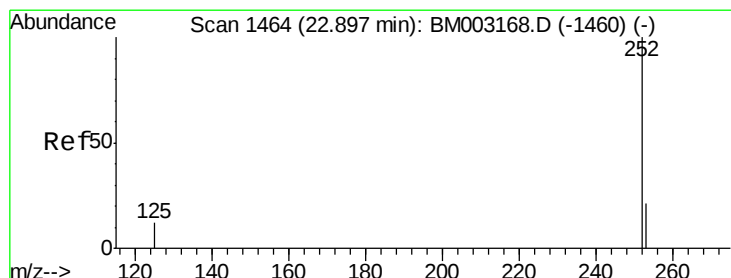
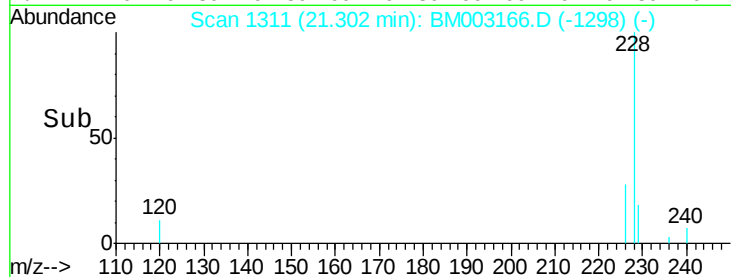
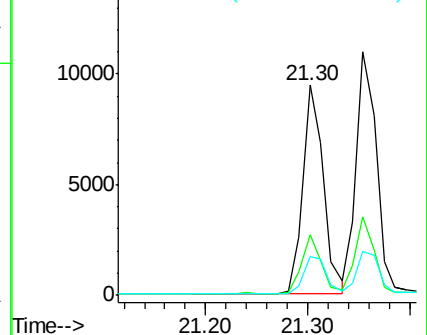
229 18.2 17.0 25.6



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: 0.11 ng/ul

RT: 22.90 min Scan# 1464

Delta R.T. -0.00 min

Lab File: BM003166.D

Acq: 18 Nov 2015 18:46

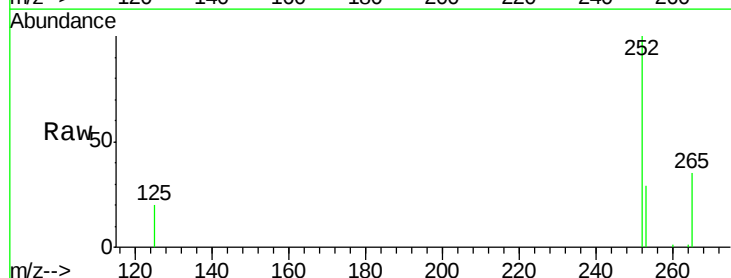
Tgt Ion:252 Resp: 15283

Ion Ratio Lower Upper

252 100

253 29.4 0.0 45.4

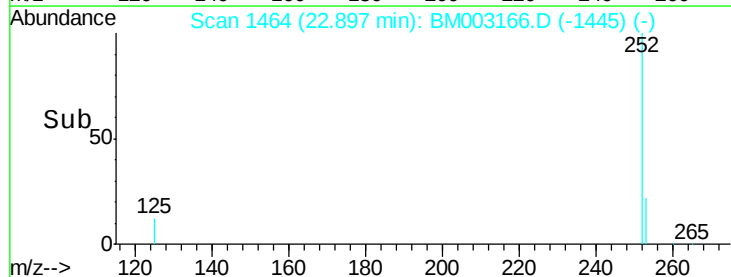
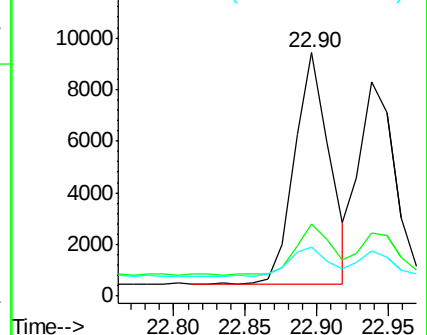
125 20.0 0.0 28.8

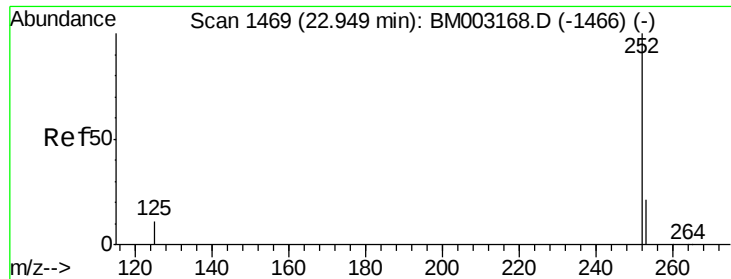


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#24

Benzo(k)fluoranthene

Concen: 0.10 ng/ul

RT: 22.94 min Scan# 1468

Delta R.T. -0.01 min

Lab File: BM003166.D

Acq: 18 Nov 2015 18:46

Instrument :

BNA_M

ClientSampleId :

SSTD0.145

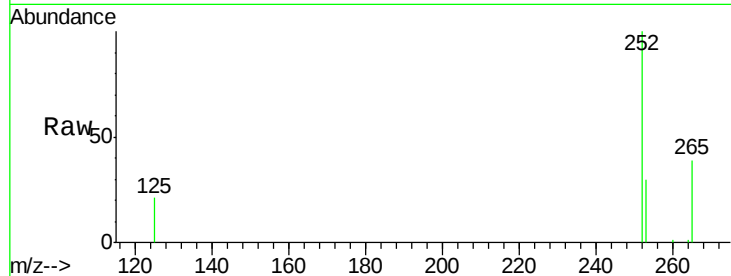
Tgt Ion:252 Resp: 14169

Ion Ratio Lower Upper

252 100

253 29.7 19.8 29.8

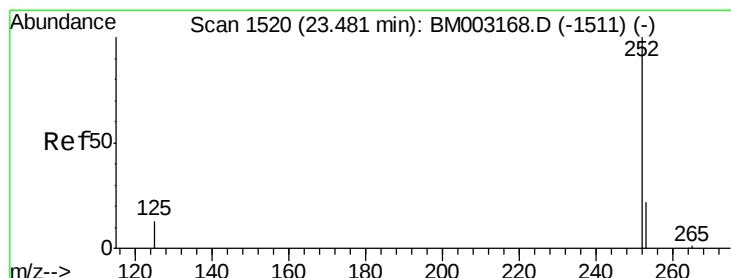
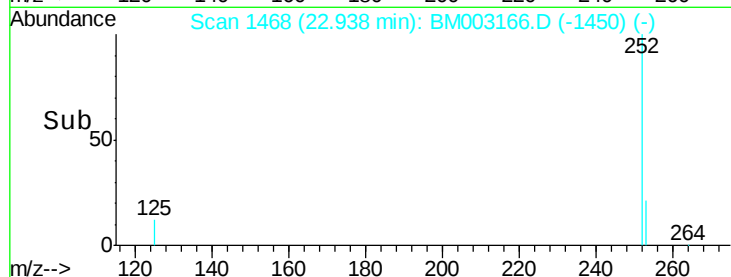
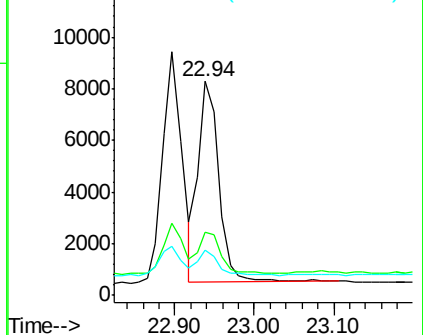
125 21.2 10.4 15.6#



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: 0.10 ng/ul

RT: 23.48 min Scan# 1520

Delta R.T. -0.00 min

Lab File: BM003166.D

Acq: 18 Nov 2015 18:46

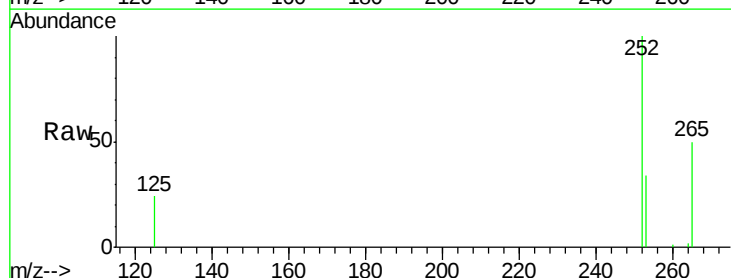
Tgt Ion:252 Resp: 13608

Ion Ratio Lower Upper

252 100

253 33.9 19.4 29.2#

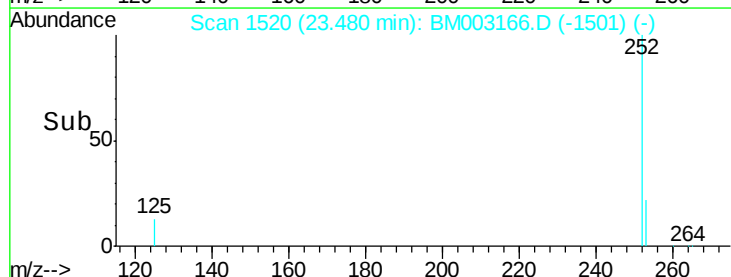
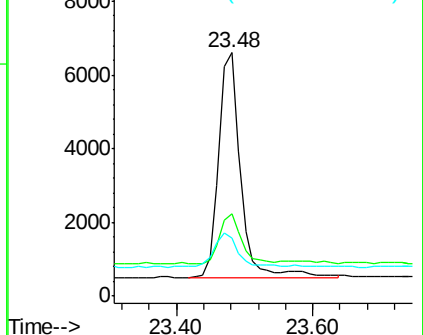
125 23.6 12.7 19.1#

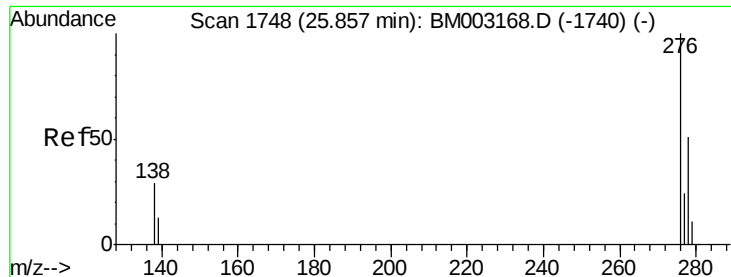


Abundance Ion 252.00 (251.70 to 252.70): E

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: 0.11 ng/ul

RT: 25.86 min Scan# 1748

Delta R.T. -0.00 min

Lab File: BM003166.D

Acq: 18 Nov 2015 18:46

Instrument :

BNA_M

ClientSampleId :

SSTD0.145

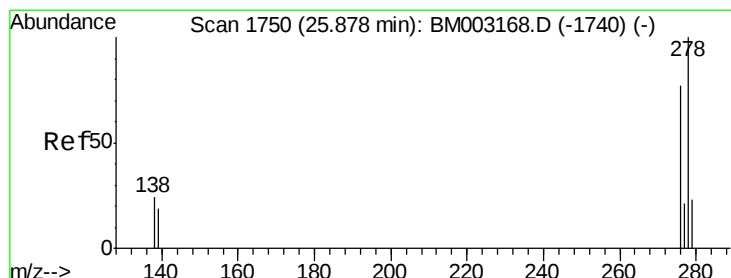
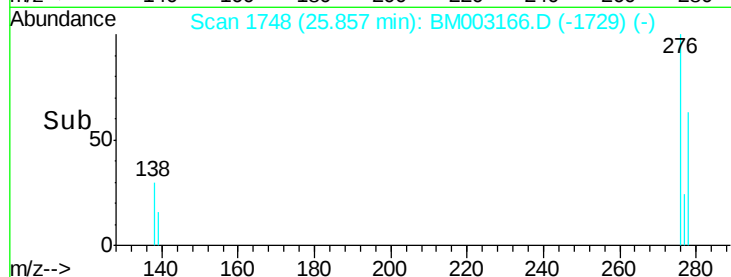
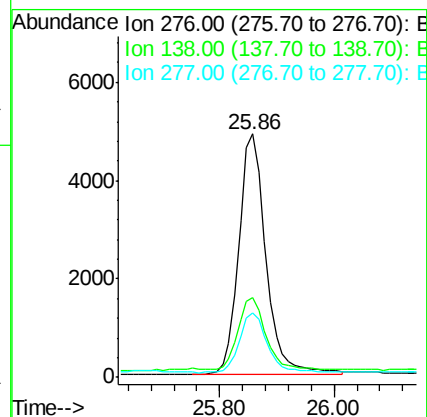
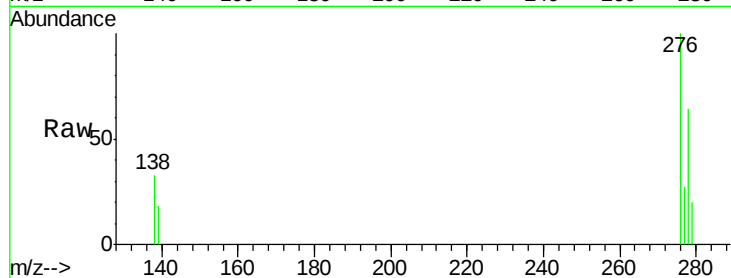
Tgt Ion:276 Resp: 16109

Ion Ratio Lower Upper

276 100

138 30.5 0.0 0.0#

277 25.4 0.0 0.0#



#27

Dibenzo(a,h)anthracene

Concen: 0.10 ng/ul

RT: 25.87 min Scan# 1749

Delta R.T. -0.01 min

Lab File: BM003166.D

Acq: 18 Nov 2015 18:46

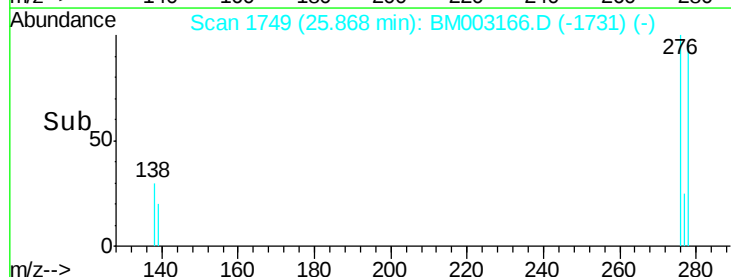
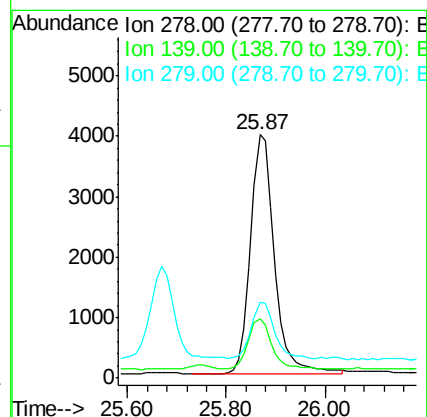
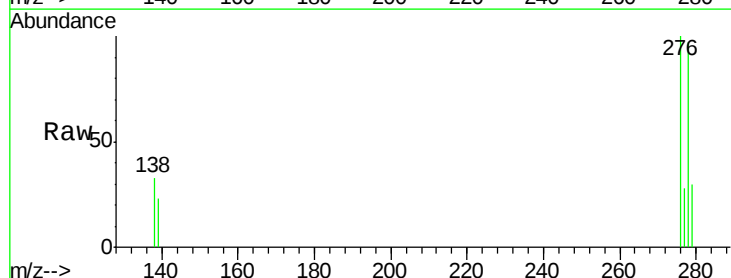
Tgt Ion:278 Resp: 12922

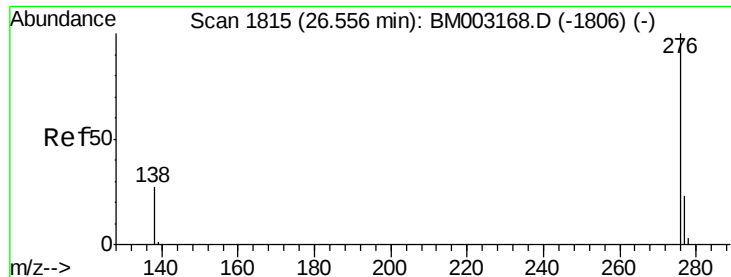
Ion Ratio Lower Upper

278 100

139 24.3 16.4 24.6

279 31.1 20.2 30.2#





#28

Benzo(g,h,i)perylene

Concen: 0.11 ng/ul

RT: 26.56 min Scan# 1815

Delta R.T. -0.00 min

Lab File: BM003166.D

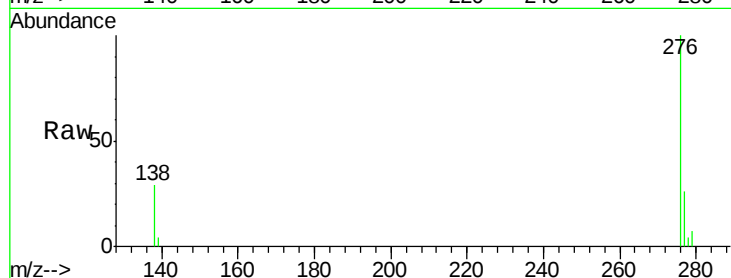
Acq: 18 Nov 2015 18:46

Instrument :

BNA_M

ClientSampleId :

SSTD0.145



Tgt Ion: 276 Resp: 14377

Ion Ratio Lower Upper

276 100

277 25.9 18.9 28.3

138 28.8 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

