

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM121715\
 Data File : BM003596.D
 Acq On : 17 Dec 2015 11:20
 Operator : UM/IZ
 Sample : SSTDCCC0.4
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 SSTD0.458

Quant Time: Dec 18 00:28:50 2015
 Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-SIM-BM121515.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Dec 17 13:23:22 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.71	152	3573	0.40	ng/ul	0.00
4) Naphthalene-d8	10.50	136	14211	0.40	ng/ul	0.00
8) Acenaphthene-d10	14.35	164	8115	0.40	ng/ul	-0.02
12) Phenanthrene-d10	17.09	188	17609	0.40	ng/ul	-0.02
18) Chrysene-d12	21.30	240	15317	0.40	ng/ul	-0.01
22) Perylene-d12	23.56	264	13691	0.40	ng/ul	-0.01

System Monitoring Compounds						
2) 1,4-Dioxane-d8	3.17	96	3020	1.98	ng/uL	0.00
6) 2-Methylnaphthalene-d10	12.09	152	7358	0.43	ng/ul	0.00
16) Fluoranthene-d10	19.14	212	15990	0.43	ng/ul	0.00

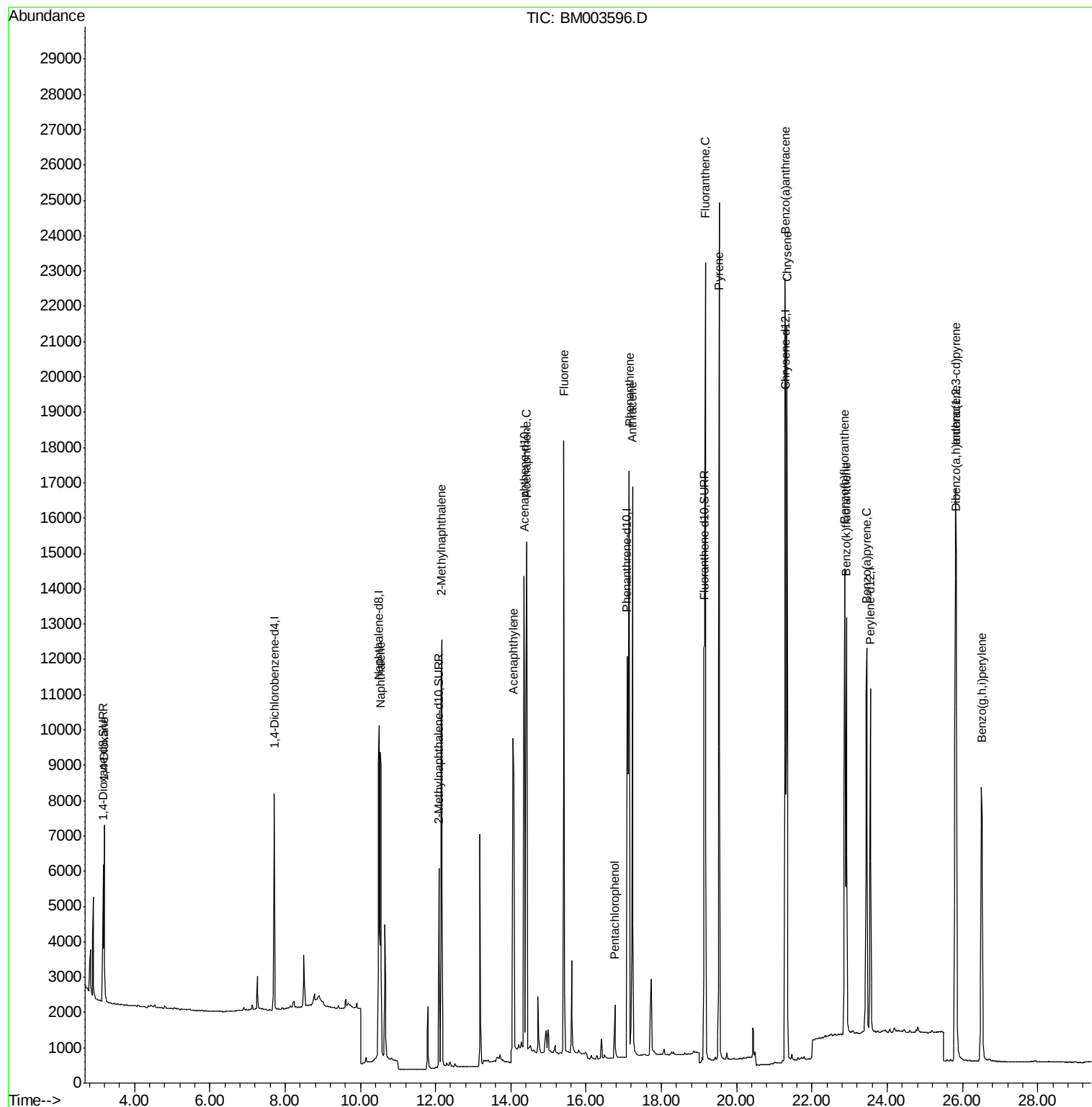
Target Compounds				Qvalue		
3) 1,4-Dioxane	3.20	88	3828	1.97	ng/ul#	18
5) Naphthalene	10.54	128	14469	0.45	ng/ul#	96
7) 2-Methylnaphthalene	12.16	142	9285	0.43	ng/ul	99
9) Acenaphthylene	14.06	152	13722	0.44	ng/ul	99
10) Acenaphthene	14.42	153	10307	0.41	ng/ul	97
11) Fluorene	15.41	166	12077	0.44	ng/ul	94
13) Pentachlorophenol	16.76	266	1302	0.52	ng/ul	95
14) Phenanthrene	17.14	178	20200	0.44	ng/ul	97
15) Anthracene	17.23	178	17936	0.46	ng/ul	98
17) Fluoranthene	19.17	202	23861	0.48	ng/ul	95
19) Pyrene	19.53	202	22104	0.53	ng/ul	97
20) Benzo(a)anthracene	21.28	228	18195	0.49	ng/ul	94
21) Chrysene	21.34	228	17267	0.40	ng/ul	95
23) Benzo(b)fluoranthene	22.87	252	16898	0.36	ng/ul	98
24) Benzo(k)fluoranthene	22.91	252	16759	0.40	ng/ul	97
25) Benzo(a)pyrene	23.45	252	16244	0.41	ng/ul	97
26) Indeno(1,2,3-cd)pyrene	25.82	276	18644	0.41	ng/ul#	91
27) Dibenzo(a,h)anthracene	25.83	278	15029	0.41	ng/ul	99
28) Benzo(g,h,i)perylene	26.51	276	16044	0.40	ng/ul	98

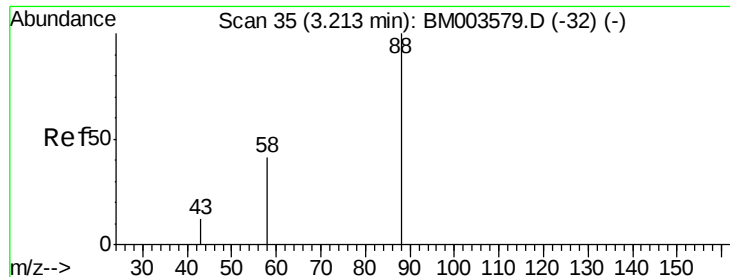
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

1,4-Dioxane

Concen: 1.97 ng/ul

RT: 3.20 min Scan# 34

Delta R.T. -0.01 min

Lab File: BM003596.D

Acq: 17 Dec 2015 11:20

Instrument :

BNA_M

ClientSampleId :

SSTD0.458

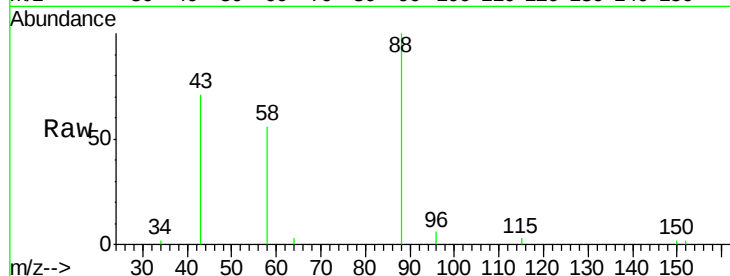
Tgt Ion: 88 Resp: 3828

Ion Ratio Lower Upper

88 100

58 56.8 8.0 12.0#

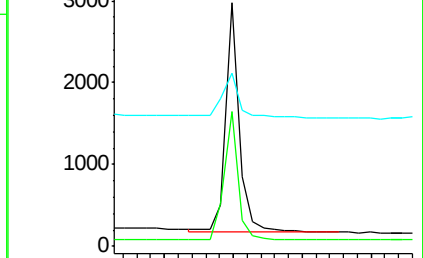
43 24.1 8.0 12.0#



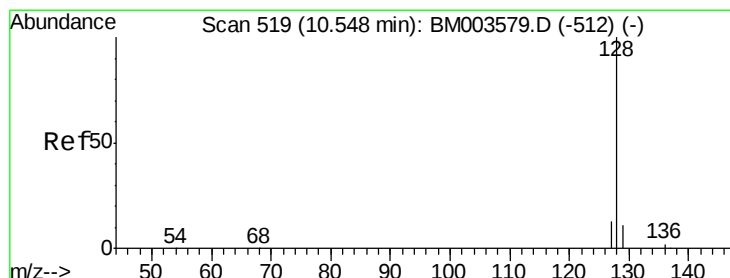
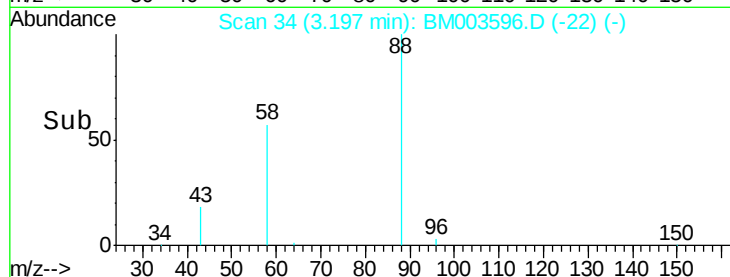
Abundance Ion 88.00 (87.70 to 88.70): BM003579.D (-32) (-)

Ion 58.00 (57.70 to 58.70): BM003579.D (-32) (-)

Ion 43.00 (42.70 to 43.70): BM003579.D (-32) (-)



Time-->



#5

Naphthalene

Concen: 0.45 ng/ul

RT: 10.54 min Scan# 518

Delta R.T. -0.01 min

Lab File: BM003596.D

Acq: 17 Dec 2015 11:20

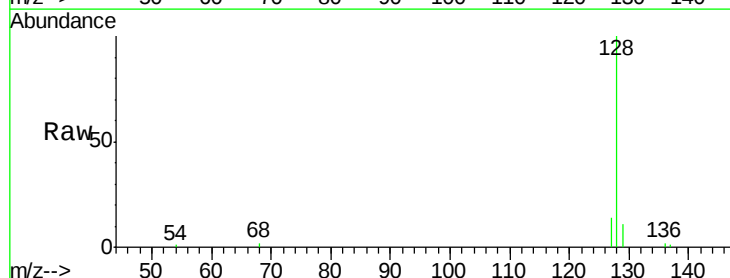
Tgt Ion: 128 Resp: 14469

Ion Ratio Lower Upper

128 100

129 11.1 9.0 13.6

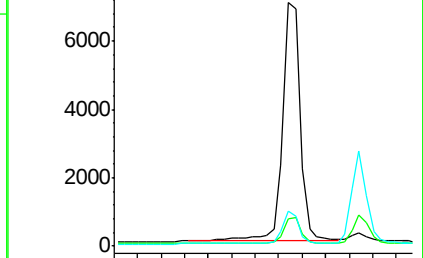
127 14.5 9.6 14.4#



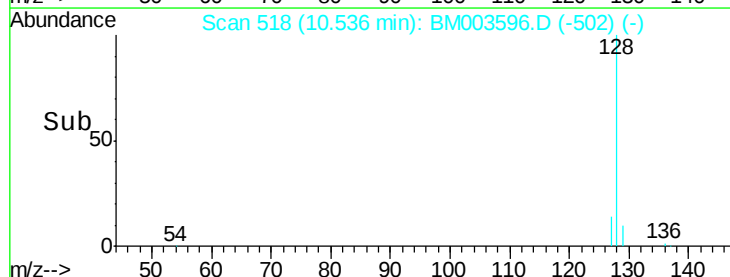
Abundance Ion 128.00 (127.70 to 128.70): BM003579.D (-512) (-)

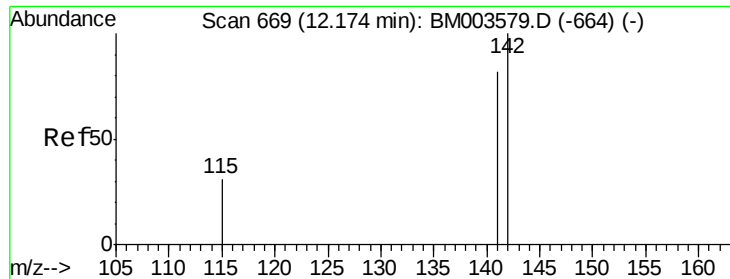
Ion 129.00 (128.70 to 129.70): BM003579.D (-512) (-)

Ion 127.00 (126.70 to 127.70): BM003579.D (-512) (-)



Time-->





#7

2-Methylnaphthalene

Concen: 0.43 ng/ul

RT: 12.16 min Scan# 668

Delta R.T. -0.01 min

Lab File: BM003596.D

Acq: 17 Dec 2015 11:20

Instrument :

BNA_M

ClientSampleId :

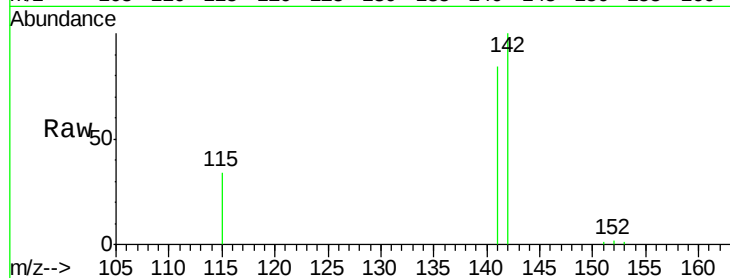
SSTD0.458

Tgt Ion:142 Resp: 9285

Ion Ratio Lower Upper

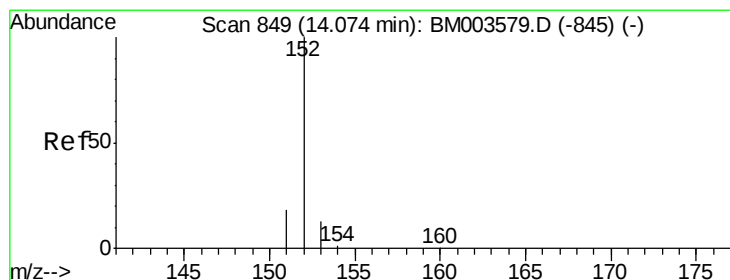
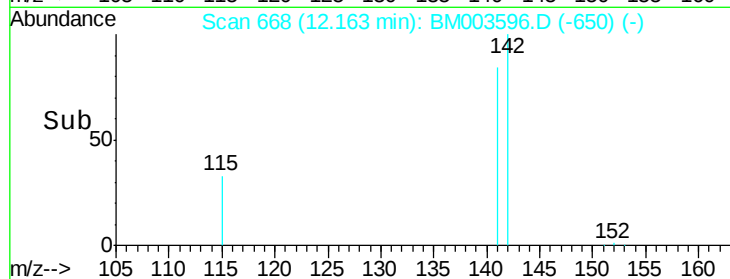
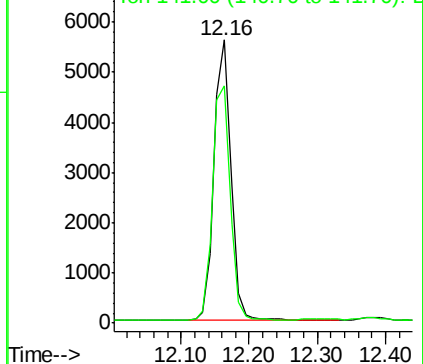
142 100

141 88.7 70.3 105.5



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E



#9

Acenaphthylene

Concen: 0.44 ng/ul

RT: 14.06 min Scan# 848

Delta R.T. -0.02 min

Lab File: BM003596.D

Acq: 17 Dec 2015 11:20

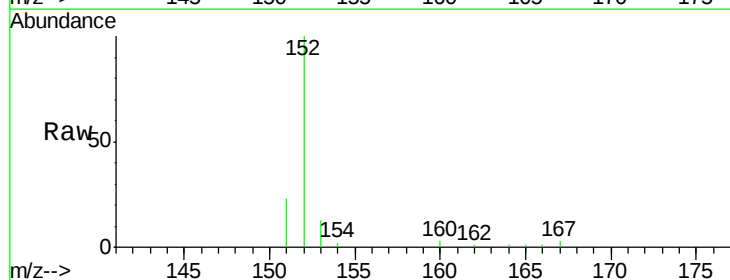
Tgt Ion:152 Resp: 13722

Ion Ratio Lower Upper

152 100

151 22.8 17.6 26.4

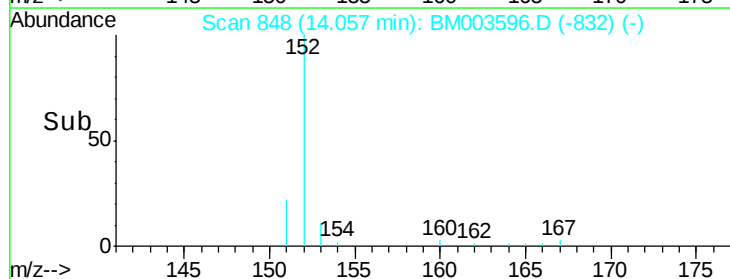
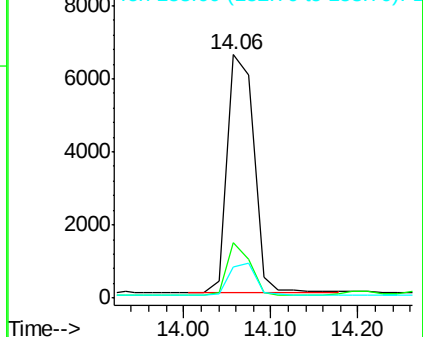
153 12.5 9.7 14.5

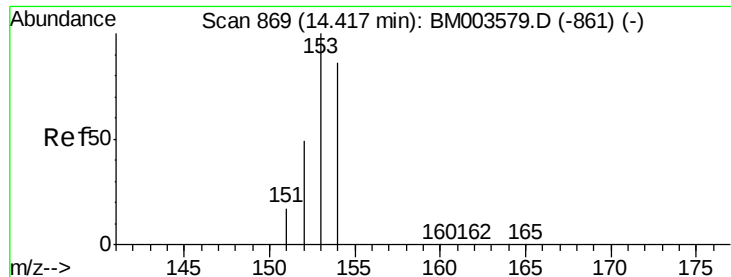


Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E





#10

Acenaphthene

Concen: 0.41 ng/ul

RT: 14.42 min Scan# 869

Delta R.T. 0.00 min

Lab File: BM003596.D

Acq: 17 Dec 2015 11:20

Instrument :

BNA_M

ClientSampleId :

SSTD0.458

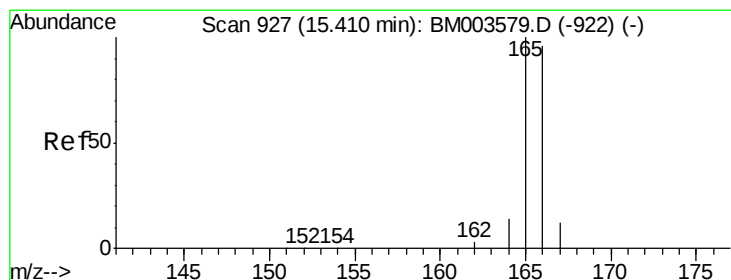
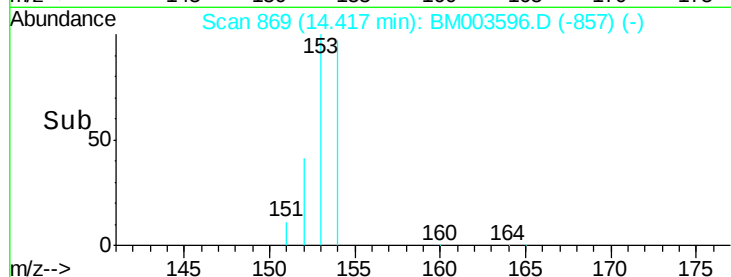
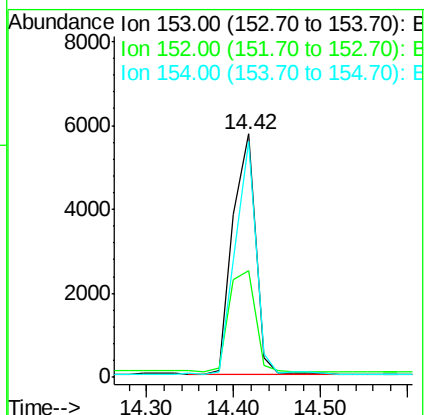
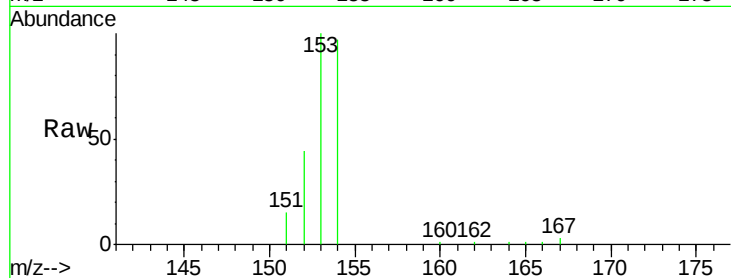
Tgt Ion:153 Resp: 10307

Ion Ratio Lower Upper

153 100

152 43.7 33.9 50.9

154 97.0 80.6 121.0



#11

Fluorene

Concen: 0.44 ng/ul

RT: 15.41 min Scan# 927

Delta R.T. 0.00 min

Lab File: BM003596.D

Acq: 17 Dec 2015 11:20

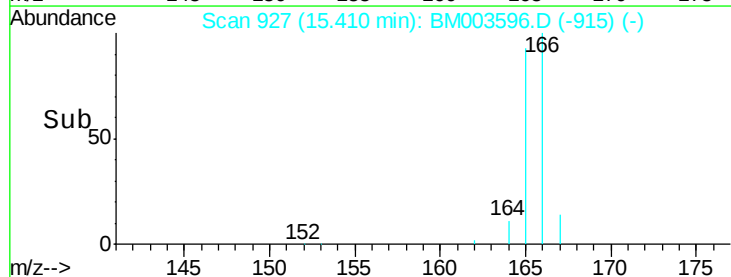
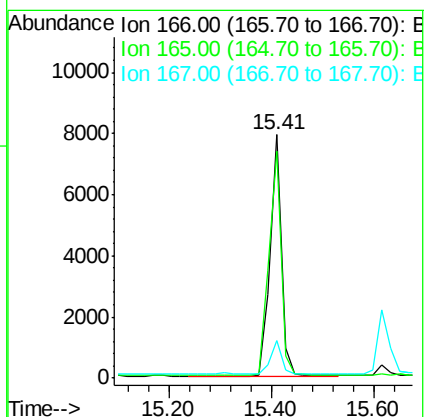
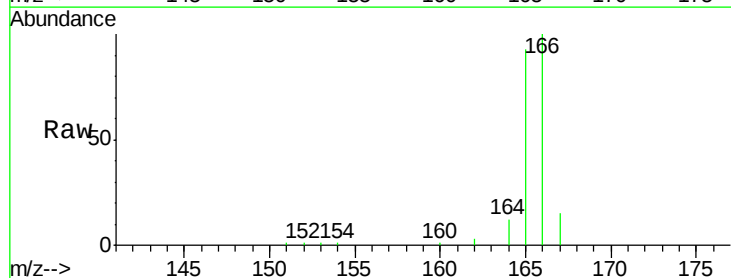
Tgt Ion:166 Resp: 12077

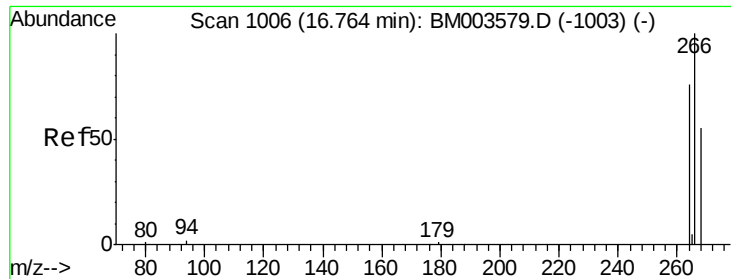
Ion Ratio Lower Upper

166 100

165 93.2 69.6 104.4

167 15.5 11.9 17.9

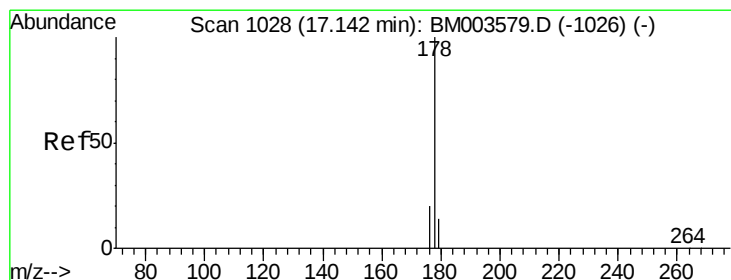
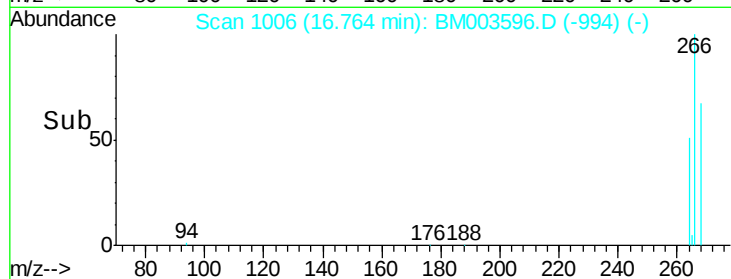
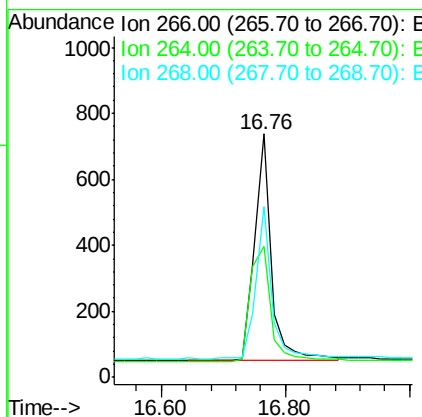
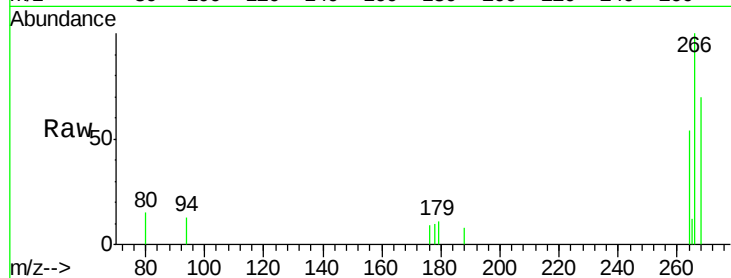




#13
 Pentachlorophenol
 Concen: 0.52 ng/ul
 RT: 16.76 min Scan# 1006
 Delta R.T. 0.00 min
 Lab File: BM003596.D
 Acq: 17 Dec 2015 11:20

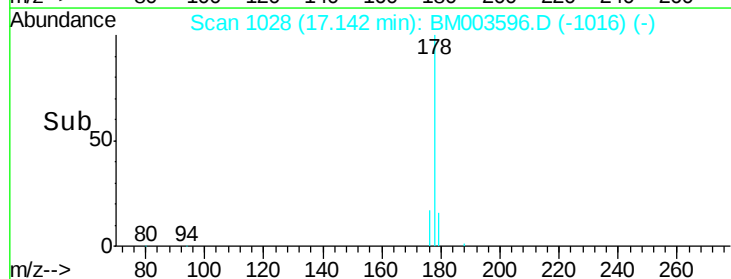
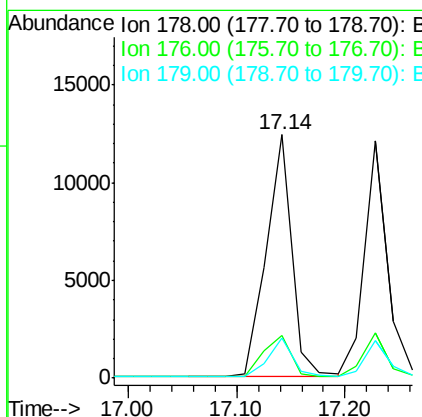
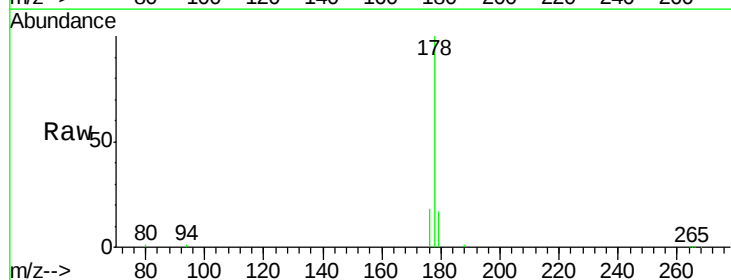
Instrument :
 BNA_M
 ClientSampleId :
 SST0.458

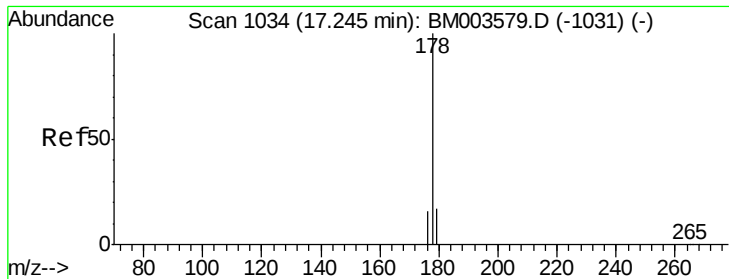
Tgt Ion: 266 Resp: 1302
 Ion Ratio Lower Upper
 266 100
 264 62.0 51.8 77.8
 268 63.0 46.8 70.2



#14
 Phenanthrene
 Concen: 0.44 ng/ul
 RT: 17.14 min Scan# 1028
 Delta R.T. 0.00 min
 Lab File: BM003596.D
 Acq: 17 Dec 2015 11:20

Tgt Ion: 178 Resp: 20200
 Ion Ratio Lower Upper
 178 100
 176 17.6 13.0 19.4
 179 16.7 14.2 21.2





#15

Anthracene

Concen: 0.46 ng/ul

RT: 17.23 min Scan# 1033

Delta R.T. -0.02 min

Lab File: BM003596.D

Acq: 17 Dec 2015 11:20

Instrument :

BNA_M

ClientSampleId :

SSTD0.458

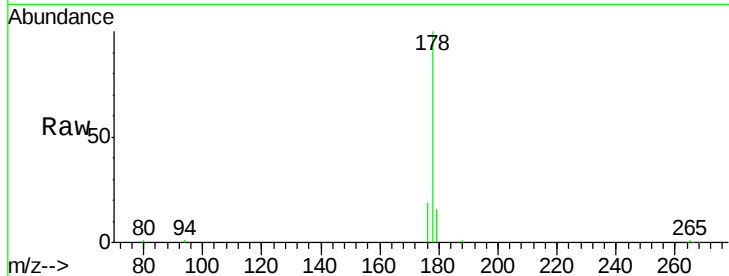
Tgt Ion:178 Resp: 17936

Ion Ratio Lower Upper

178 100

176 18.8 14.0 21.0

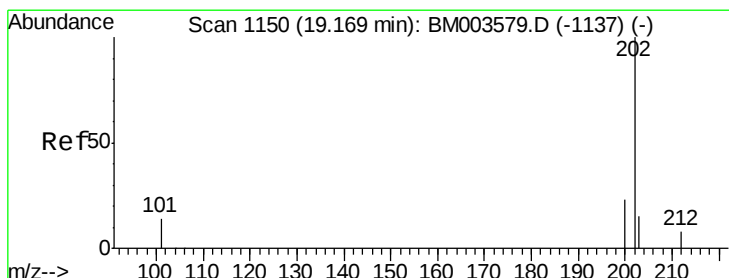
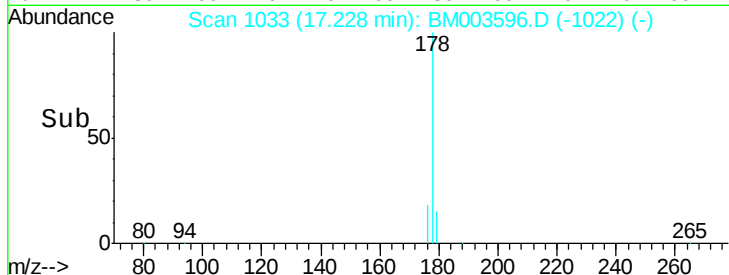
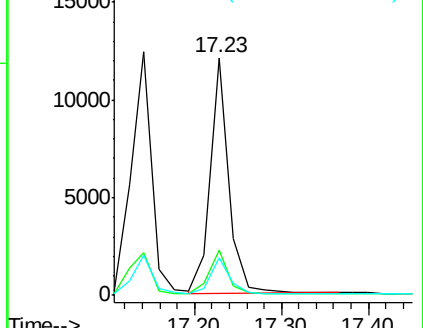
179 15.6 12.9 19.3



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: 0.48 ng/ul

RT: 19.17 min Scan# 1150

Delta R.T. 0.00 min

Lab File: BM003596.D

Acq: 17 Dec 2015 11:20

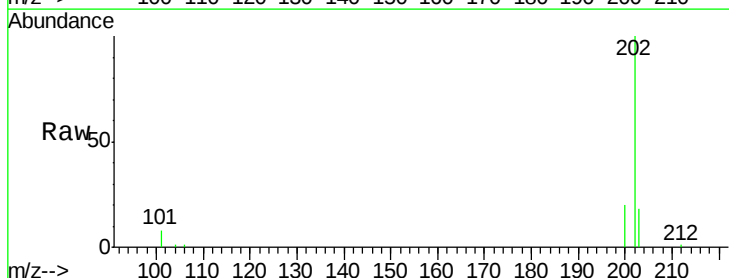
Tgt Ion:202 Resp: 23861

Ion Ratio Lower Upper

202 100

101 7.7 0.0 29.6

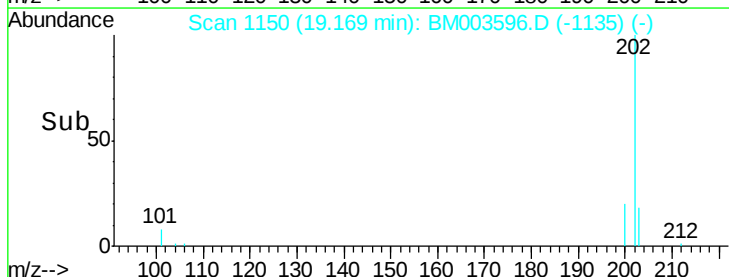
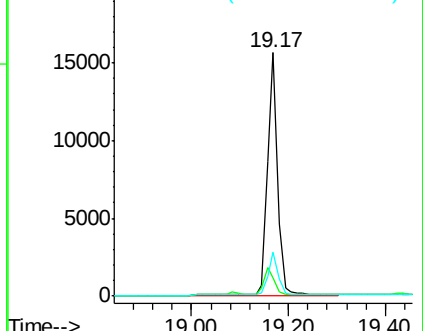
203 18.1 0.0 36.3

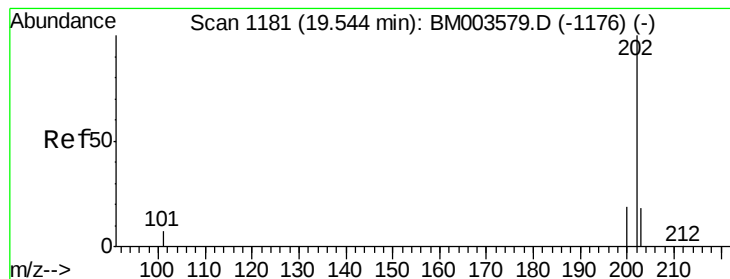


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E

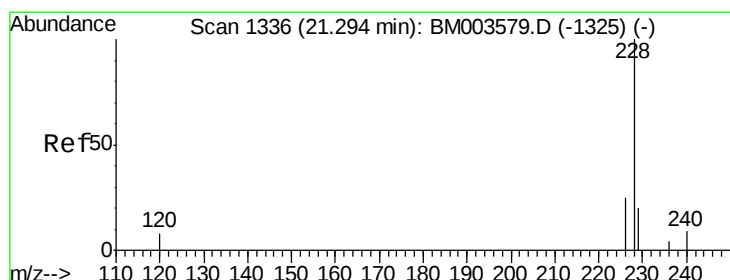
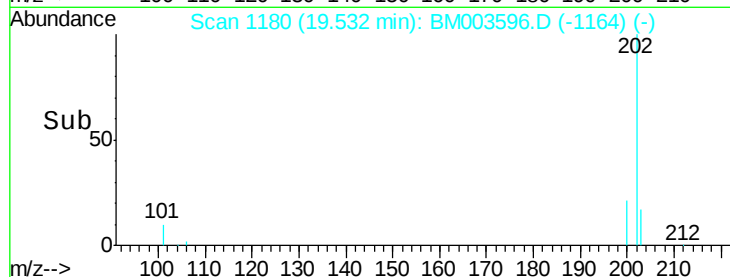
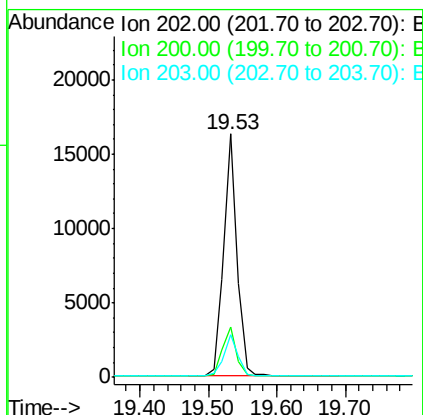
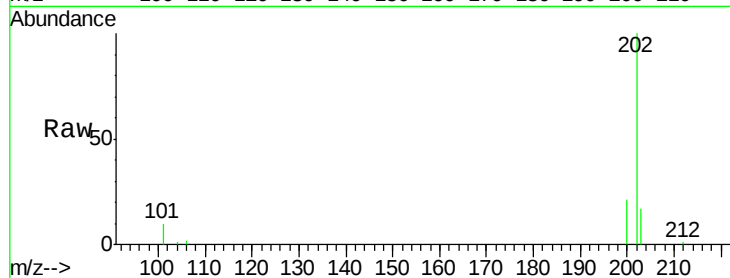




#19
 Pyrene
 Concen: 0.53 ng/ul
 RT: 19.53 min Scan# 1180
 Delta R.T. -0.01 min
 Lab File: BM003596.D
 Acq: 17 Dec 2015 11:20

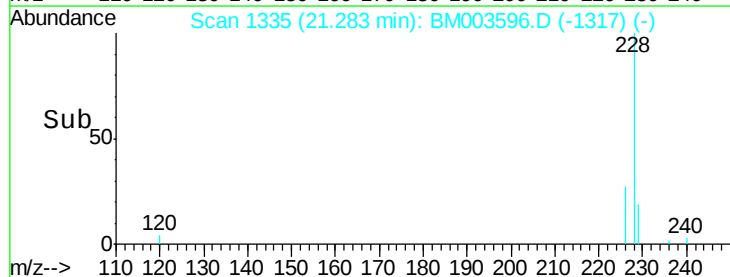
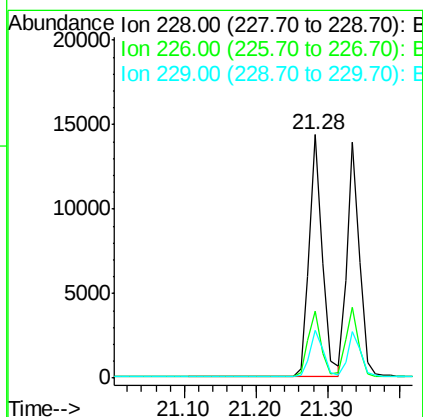
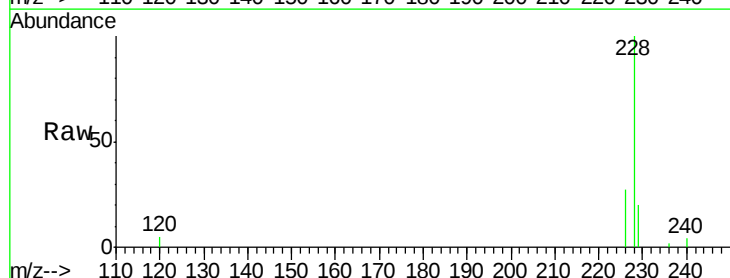
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 SST0.458

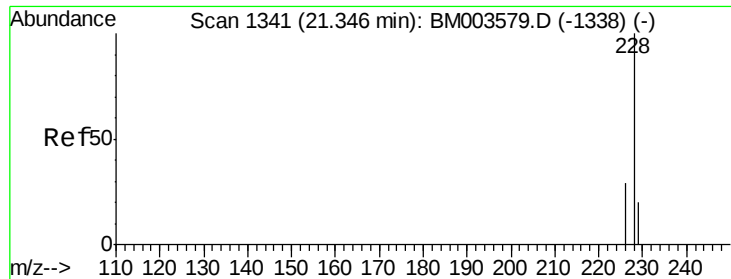
Tgt Ion: 202 Resp: 22104
 Ion Ratio Lower Upper
 202 100
 200 20.9 17.8 26.8
 203 17.3 12.8 19.2



#20
 Benzo(a)anthracene
 Concen: 0.49 ng/ul
 RT: 21.28 min Scan# 1335
 Delta R.T. -0.01 min
 Lab File: BM003596.D
 Acq: 17 Dec 2015 11:20

Tgt Ion: 228 Resp: 18195
 Ion Ratio Lower Upper
 228 100
 226 27.3 18.8 28.2
 229 19.6 17.1 25.7





#21

Chrysene

Concen: 0.40 ng/ul

RT: 21.34 min Scan# 1340

Delta R.T. -0.01 min

Lab File: BM003596.D

Acq: 17 Dec 2015 11:20

Instrument :

BNA_M

ClientSampleId :

SSTD0.458

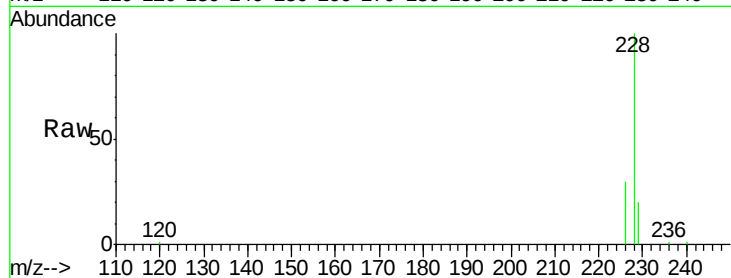
Tgt Ion:228 Resp: 17267

Ion Ratio Lower Upper

228 100

226 30.1 21.2 31.8

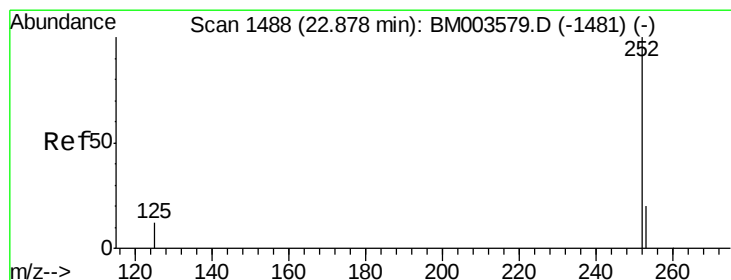
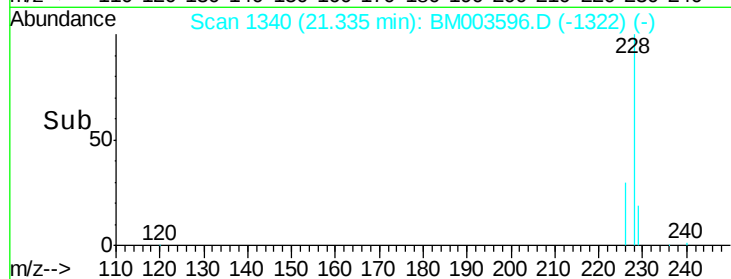
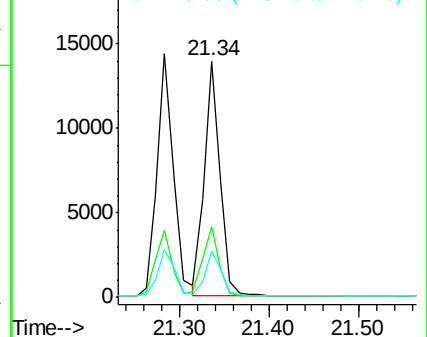
229 19.7 17.0 25.6



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: 0.36 ng/ul

RT: 22.87 min Scan# 1487

Delta R.T. -0.01 min

Lab File: BM003596.D

Acq: 17 Dec 2015 11:20

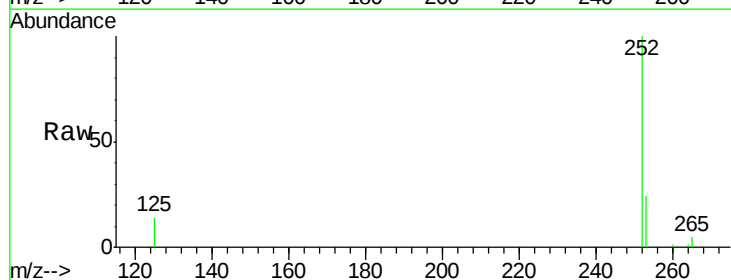
Tgt Ion:252 Resp: 16898

Ion Ratio Lower Upper

252 100

253 23.5 0.0 45.4

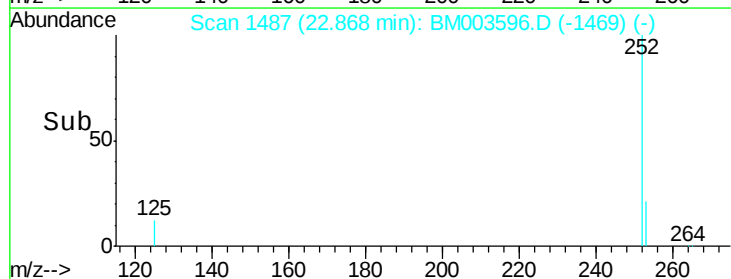
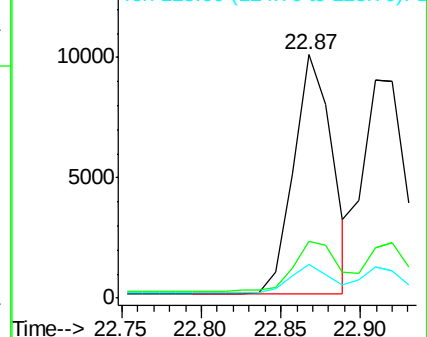
125 13.6 0.0 28.8

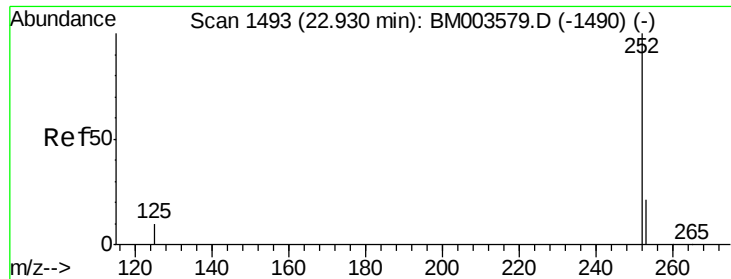


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#24

Benzo(k)fluoranthene

Concen: 0.40 ng/ul

RT: 22.91 min Scan# 1491

Delta R.T. -0.02 min

Lab File: BM003596.D

Acq: 17 Dec 2015 11:20

Instrument :

BNA_M

ClientSampleId :

SSTD0.458

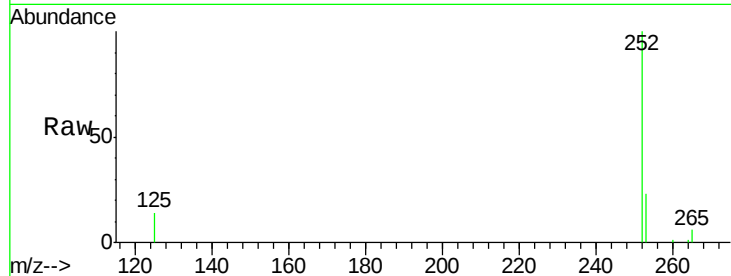
Tgt Ion:252 Resp: 16759

Ion Ratio Lower Upper

252 100

253 23.0 19.8 29.8

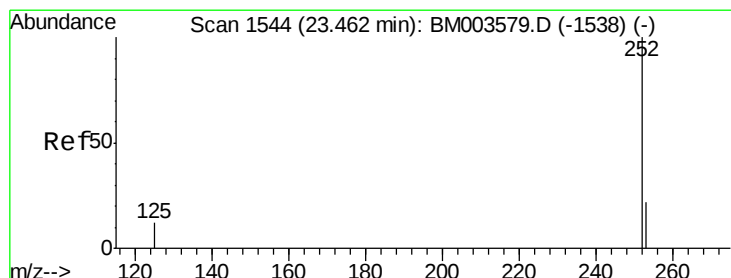
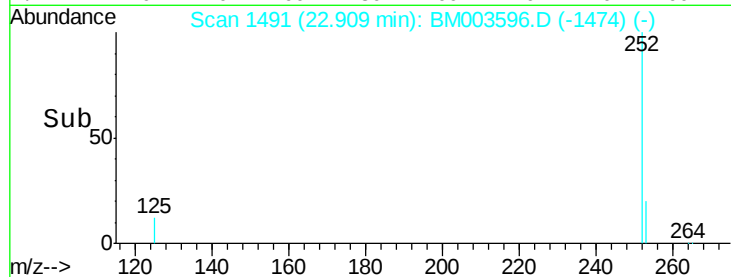
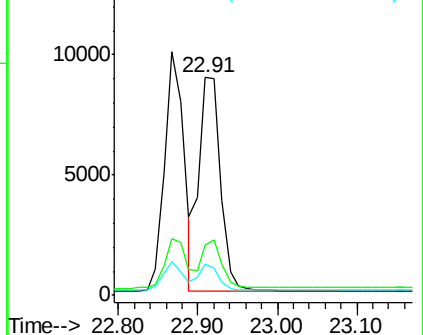
125 14.2 10.4 15.6



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: 0.41 ng/ul

RT: 23.45 min Scan# 1543

Delta R.T. -0.01 min

Lab File: BM003596.D

Acq: 17 Dec 2015 11:20

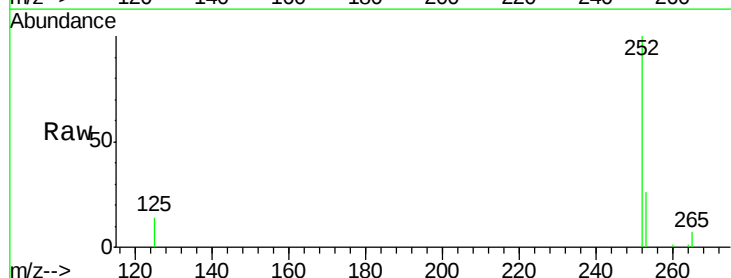
Tgt Ion:252 Resp: 16244

Ion Ratio Lower Upper

252 100

253 25.8 19.4 29.2

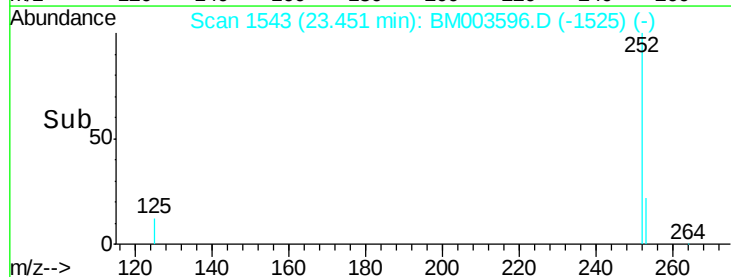
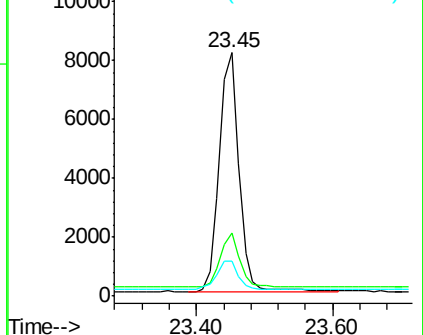
125 14.3 12.7 19.1

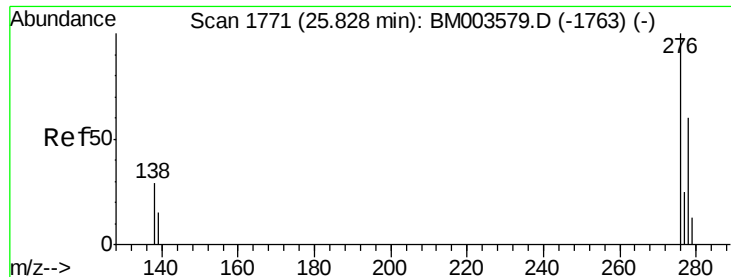


Abundance Ion 252.00 (251.70 to 252.70): E

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: 0.41 ng/ul

RT: 25.82 min Scan# 1770

Delta R.T. -0.01 min

Lab File: BM003596.D

Acq: 17 Dec 2015 11:20

Instrument :

BNA_M

ClientSampleId :

SSTD0.458

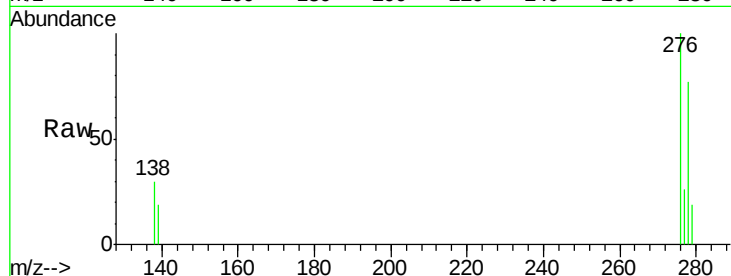
Tgt Ion:276 Resp: 18644

Ion Ratio Lower Upper

276 100

138 29.5 16.3 24.5#

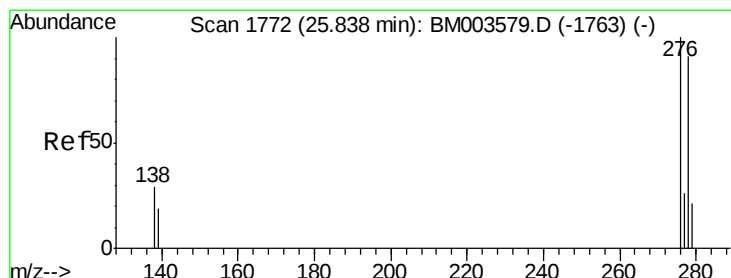
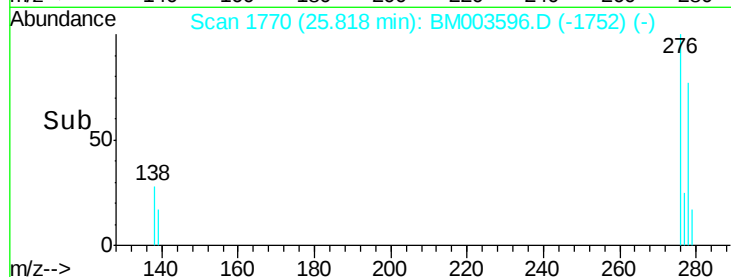
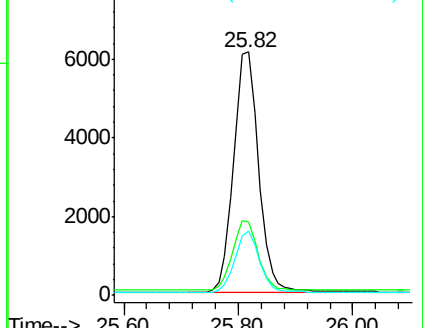
277 24.8 19.8 29.8



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: 0.41 ng/ul

RT: 25.83 min Scan# 1771

Delta R.T. -0.01 min

Lab File: BM003596.D

Acq: 17 Dec 2015 11:20

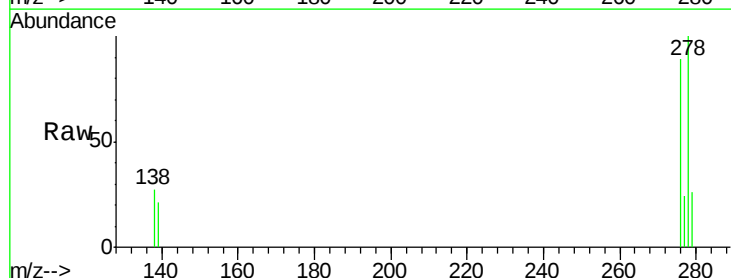
Tgt Ion:278 Resp: 15029

Ion Ratio Lower Upper

278 100

139 21.0 16.4 24.6

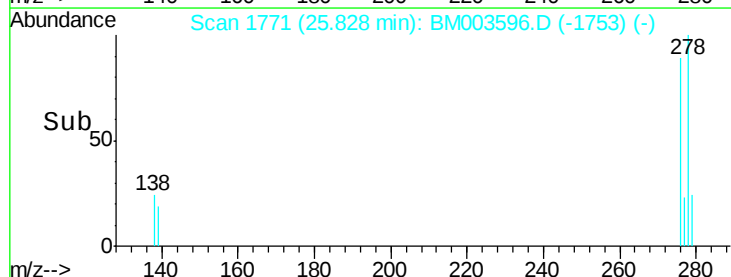
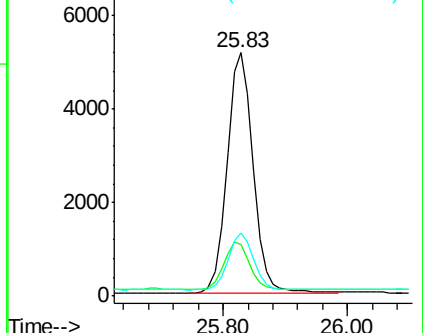
279 25.8 20.2 30.2

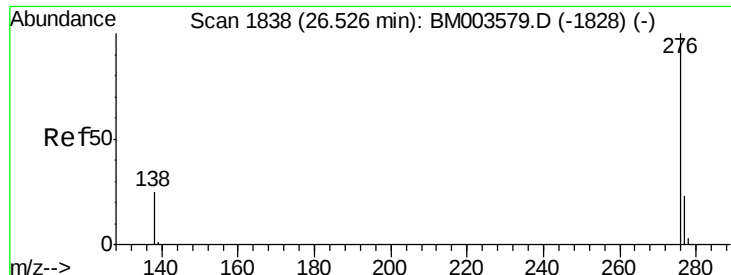


Abundance Ion 278.00 (277.70 to 278.70): E

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: 0.40 ng/ul

RT: 26.51 min Scan# 1836

Delta R.T. -0.02 min

Lab File: BM003596.D

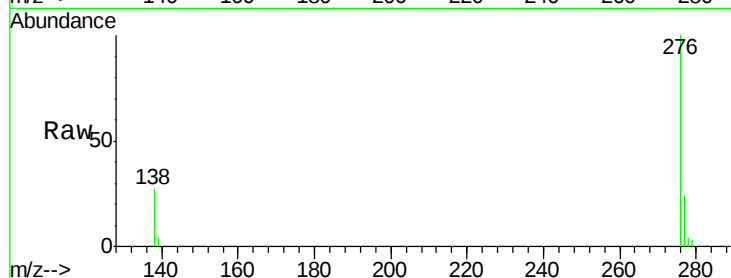
Acq: 17 Dec 2015 11:20

Instrument :

BNA_M

ClientSampleId :

SSTD0.458



Tgt Ion: 276 Resp: 16044

Ion Ratio Lower Upper

276 100

277 24.4 18.9 28.3

138 27.1 22.5 33.7

