

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM121715\
 Data File : BM003599.D
 Acq On : 17 Dec 2015 15:02
 Operator : UM/IZ
 Sample : SSTDCCC0.4
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 SSTD0.459

Quant Time: Dec 18 00:31:18 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 : Fri Dec 18 00:27:21 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.71	152	3241	0.40	ng/ul	0.00
4) Naphthalene-d8	10.50	136	12451	0.40	ng/ul	0.00
8) Acenaphthene-d10	14.35	164	6361	0.40	ng/ul	0.00
12) Phenanthrene-d10	17.11	188	13218	0.40	ng/ul	0.02
18) Chrysene-d12	21.31	240	13513	0.40	ng/ul	0.00
22) Perylene-d12	23.56	264	12794	0.40	ng/ul	0.00

System Monitoring Compounds						
2) 1,4-Dioxane-d8	3.17	96	2828	2.04	ng/uL	0.00
6) 2-Methylnaphthalene-d10	12.09	152	6057	0.41	ng/ul	0.00
16) Fluoranthene-d10	19.14	212	12535	0.45	ng/ul	0.00

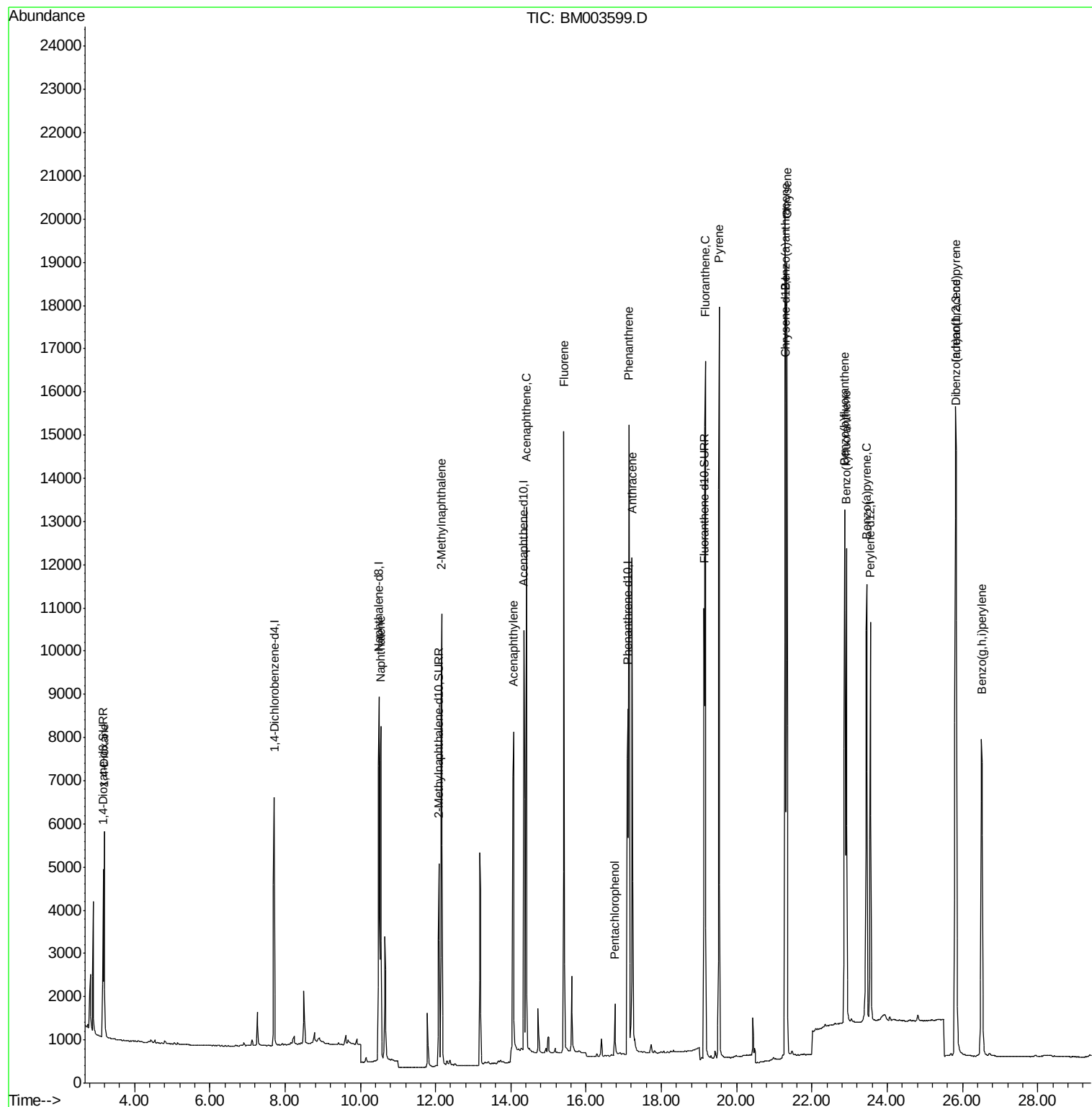
Target Compounds				Qvalue		
3) 1,4-Dioxane	3.20	88	3515	1.99	ng/ul#	18
5) Naphthalene	10.55	128	11922	0.43	ng/ul	98
7) 2-Methylnaphthalene	12.16	142	7816	0.42	ng/ul	98
9) Acenaphthylene	14.07	152	10570	0.44	ng/ul#	92
10) Acenaphthene	14.42	153	8309	0.42	ng/ul	94
11) Fluorene	15.41	166	9707	0.45	ng/ul	93
13) Pentachlorophenol	16.76	266	934	0.49	ng/ul	94
14) Phenanthrene	17.14	178	16557	0.49	ng/ul	96
15) Anthracene	17.23	178	13604	0.46	ng/ul	97
17) Fluoranthene	19.17	202	17766	0.48	ng/ul	93
19) Pyrene	19.54	202	17741	0.49	ng/ul	94
20) Benzo(a)anthracene	21.29	228	15839	0.48	ng/ul	96
21) Chrysene	21.34	228	15391	0.41	ng/ul	95
23) Benzo(b)fluoranthene	22.87	252	15603	0.36	ng/ul	98
24) Benzo(k)fluoranthene	22.92	252	15246	0.39	ng/ul	98
25) Benzo(a)pyrene	23.45	252	15194	0.41	ng/ul	97
26) Indeno(1,2,3-cd)pyrene	25.82	276	17714	0.41	ng/ul#	91
27) Dibenzo(a,h)anthracene	25.83	278	14389	0.42	ng/ul	99
28) Benzo(g,h,i)perylene	26.51	276	15255	0.41	ng/ul	98

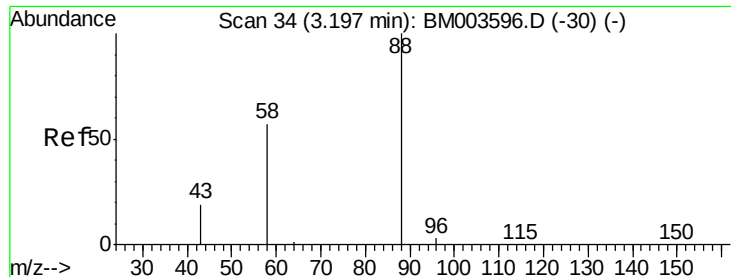
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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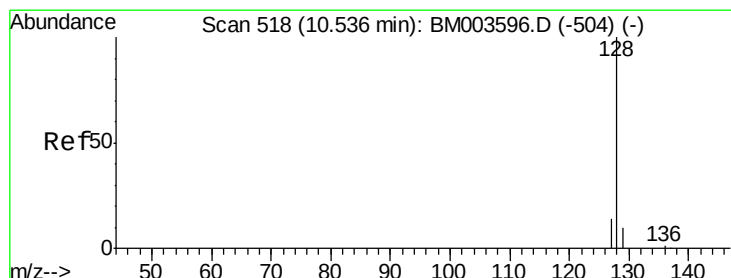
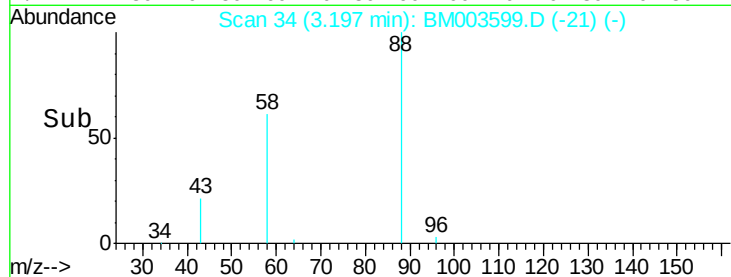
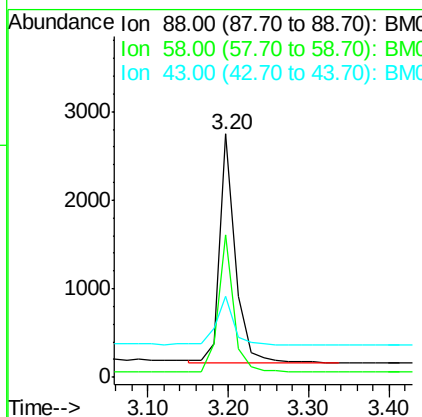
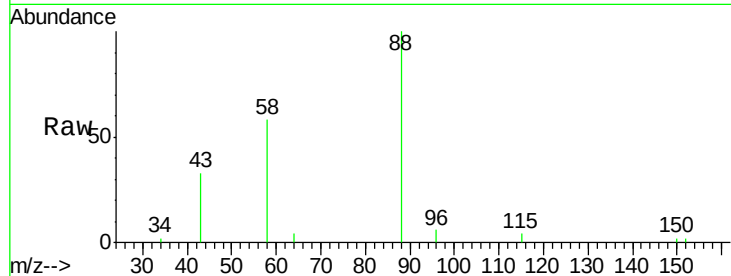




#3
1,4-Dioxane
Concen: 1.99 ng/ul
RT: 3.20 min Scan# 34
Delta R.T. -0.00 min
Lab File: BM003599.D
Acq: 17 Dec 2015 15:02

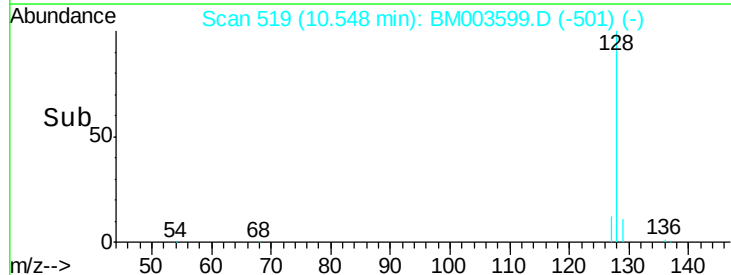
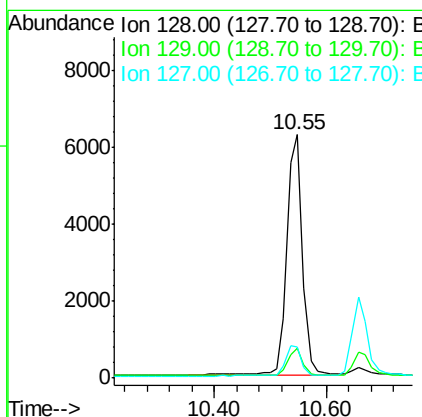
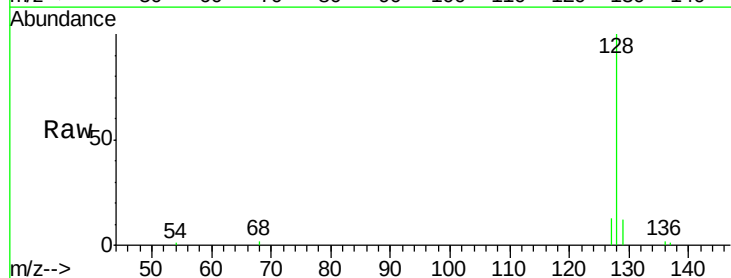
Instrument :
BNA_M
ClientSampleId :
SSTD0.459

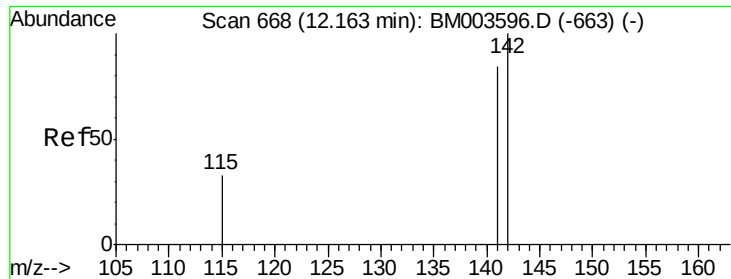
Tgt Ion: 88 Resp: 3515
Ion Ratio Lower Upper
88 100
58 58.5 8.0 12.0#
43 22.2 8.0 12.0#



#5
Naphthalene
Concen: 0.43 ng/ul
RT: 10.55 min Scan# 519
Delta R.T. 0.01 min
Lab File: BM003599.D
Acq: 17 Dec 2015 15:02

Tgt Ion: 128 Resp: 11922
Ion Ratio Lower Upper
128 100
129 12.2 9.0 13.6
127 12.7 9.6 14.4





#7

2-Methylnaphthalene

Concen: 0.42 ng/ul

RT: 12.16 min Scan# 668

Delta R.T. -0.00 min

Lab File: BM003599.D

Acq: 17 Dec 2015 15:02

Instrument :

BNA_M

ClientSampleId :

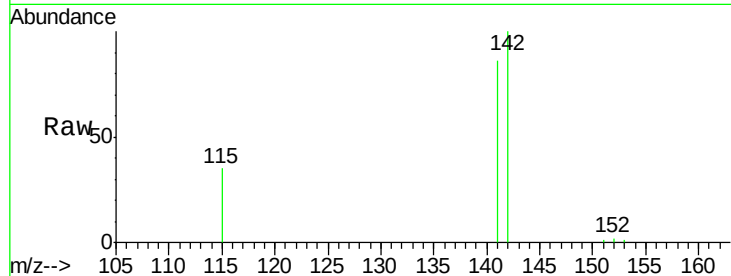
SSTD0.459

Tgt Ion:142 Resp: 7816

Ion Ratio Lower Upper

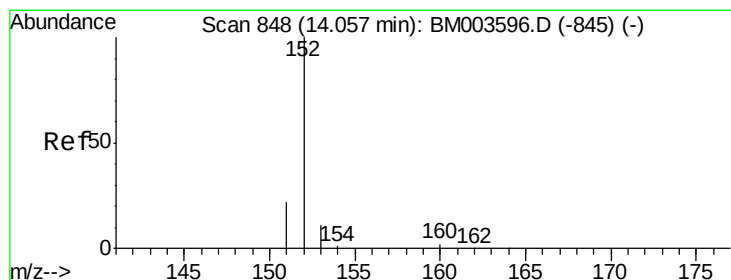
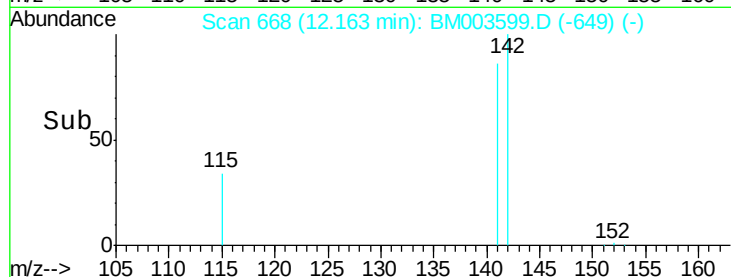
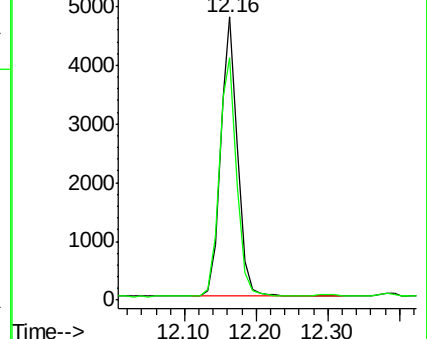
142 100

141 89.3 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: 14.07 min Scan# 849

Delta R.T. 0.02 min

Lab File: BM003599.D

Acq: 17 Dec 2015 15:02

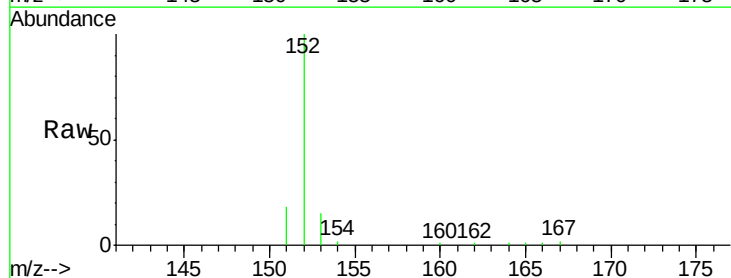
Tgt Ion:152 Resp: 10570

Ion Ratio Lower Upper

152 100

151 17.7 17.6 26.4

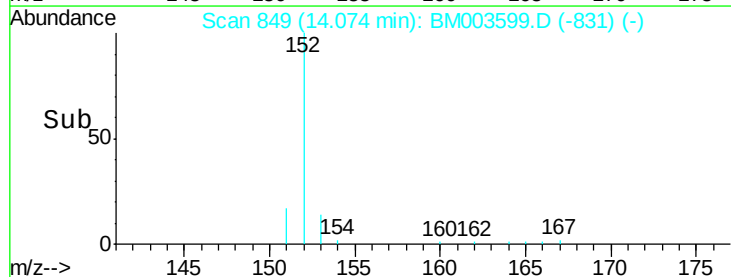
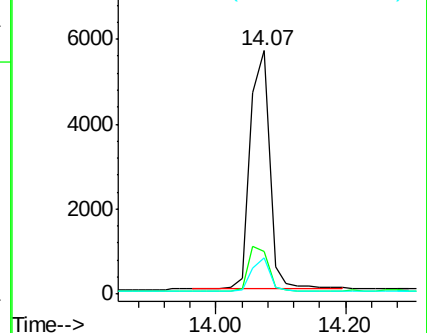
153 15.0 9.7 14.5#

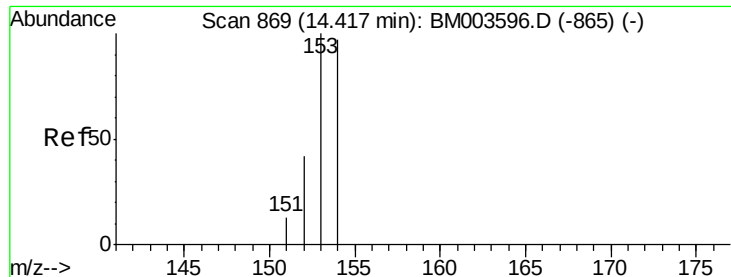


Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E





#10

Acenaphthene

Concen: 0.42 ng/ul

RT: 14.42 min Scan# 869

Delta R.T. -0.00 min

Lab File: BM003599.D

Acq: 17 Dec 2015 15:02

Instrument :

BNA_M

ClientSampleId :

SSTD0.459

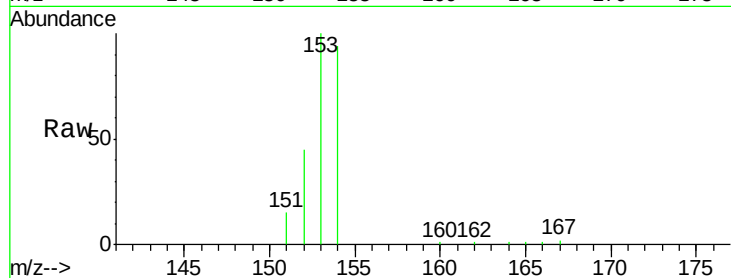
Tgt Ion:153 Resp: 8309

Ion Ratio Lower Upper

153 100

152 45.4 33.9 50.9

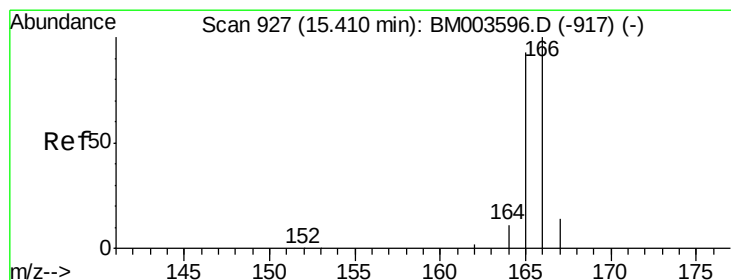
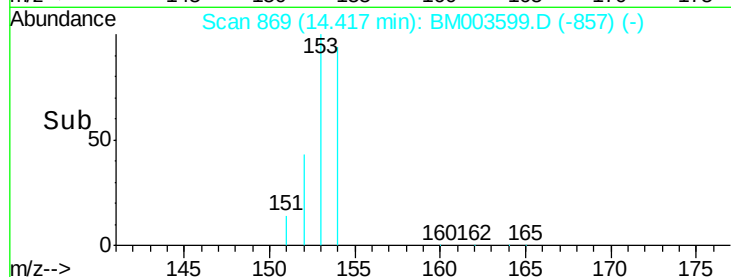
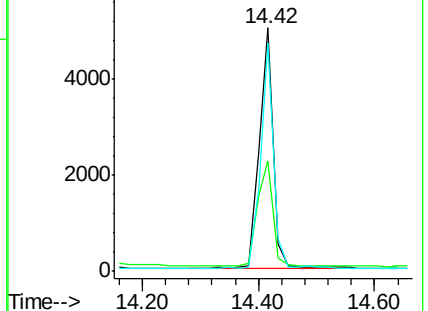
154 93.9 80.6 121.0



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: 0.45 ng/ul

RT: 15.41 min Scan# 927

Delta R.T. -0.00 min

Lab File: BM003599.D

Acq: 17 Dec 2015 15:02

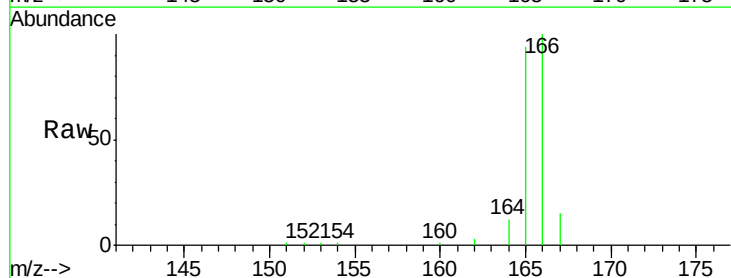
Tgt Ion:166 Resp: 9707

Ion Ratio Lower Upper

166 100

165 94.3 69.6 104.4

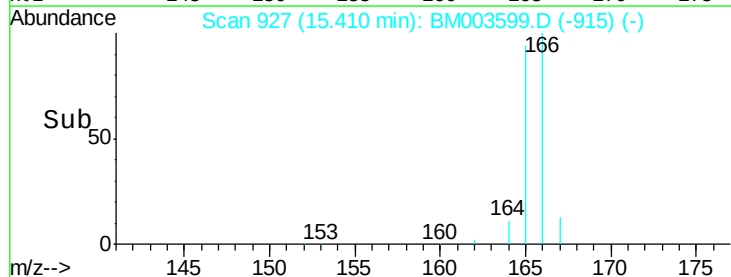
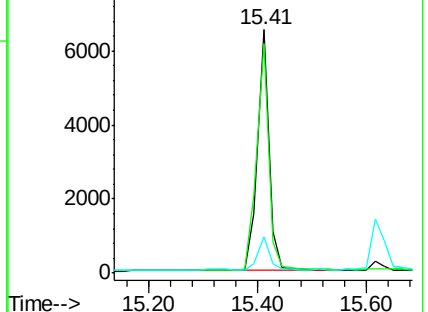
167 14.7 11.9 17.9

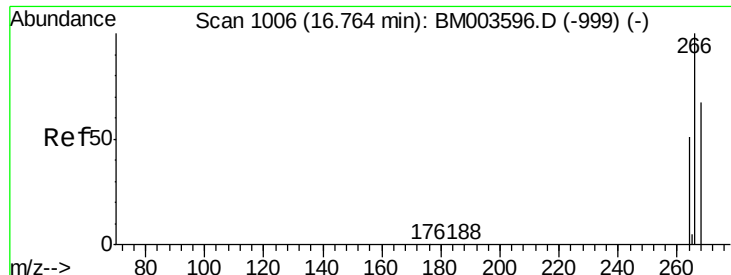


Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E

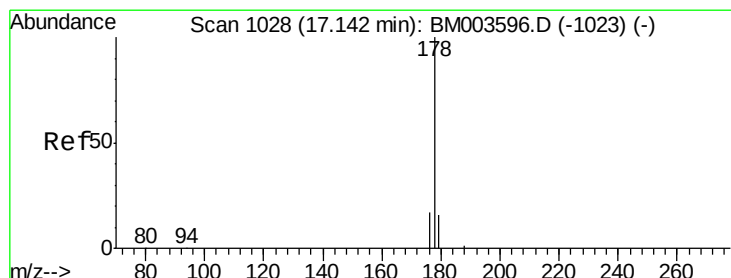
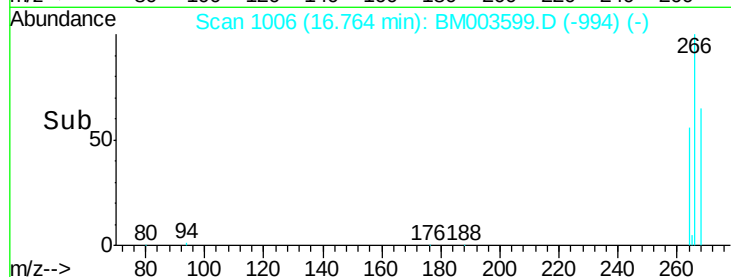
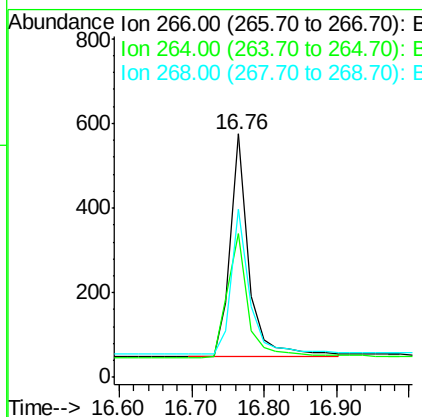
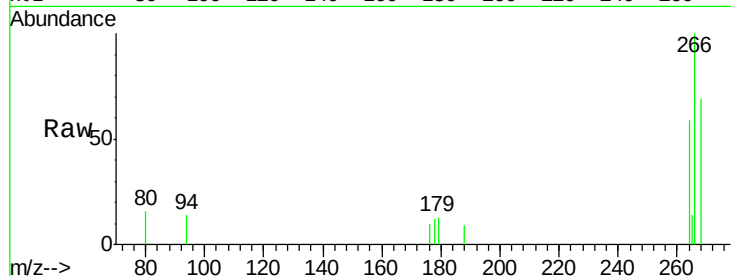




#13
 Pentachlorophenol
 Concen: 0.49 ng/ul
 RT: 16.76 min Scan# 1006
 Delta R.T. 0.00 min
 Lab File: BM003599.D
 Acq: 17 Dec 2015 15:02

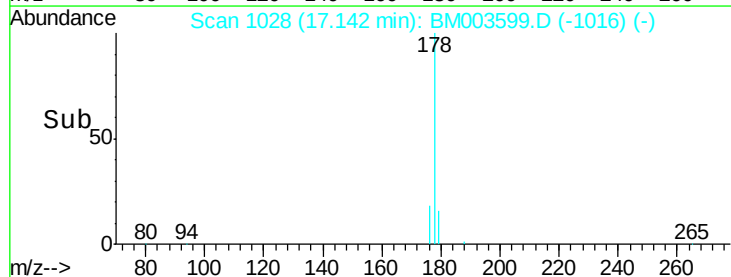
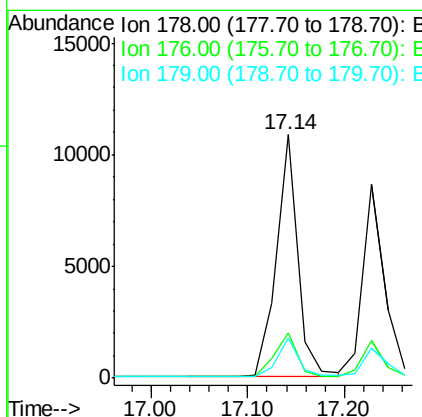
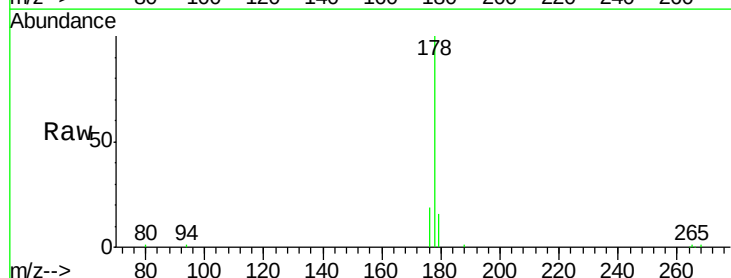
Instrument :
 BNA_M
 ClientSampleId :
 SST0.459

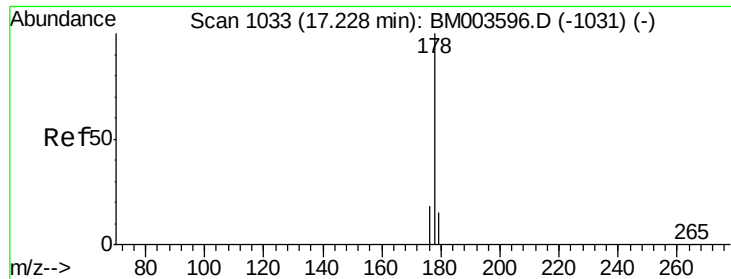
Tgt Ion: 266 Resp: 934
 Ion Ratio Lower Upper
 266 100
 264 62.4 51.8 77.8
 268 65.0 46.8 70.2



#14
 Phenanthrene
 Concen: 0.49 ng/ul
 RT: 17.14 min Scan# 1028
 Delta R.T. -0.00 min
 Lab File: BM003599.D
 Acq: 17 Dec 2015 15:02

Tgt Ion: 178 Resp: 16557
 Ion Ratio Lower Upper
 178 100
 176 18.5 13.0 19.4
 179 16.4 14.2 21.2





#15

Anthracene

Concen: 0.46 ng/ul

RT: 17.23 min Scan# 1033

Delta R.T. 0.00 min

Lab File: BM003599.D

Acq: 17 Dec 2015 15:02

Instrument :

BNA_M

ClientSampleId :

SSTD0.459

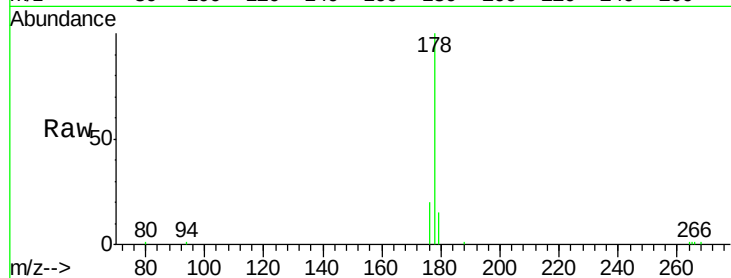
Tgt Ion:178 Resp: 13604

Ion Ratio Lower Upper

178 100

176 19.7 14.0 21.0

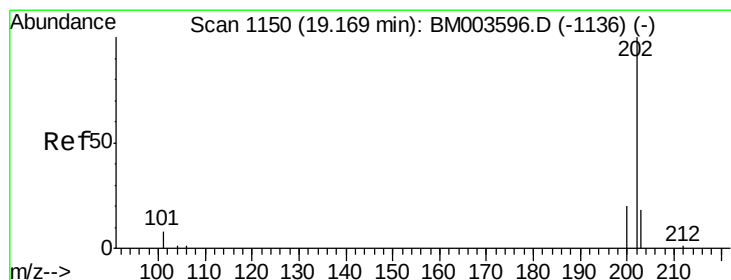
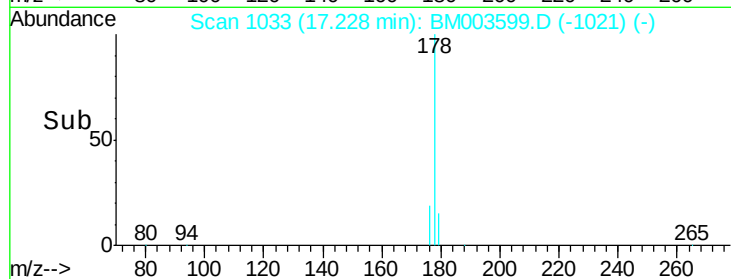
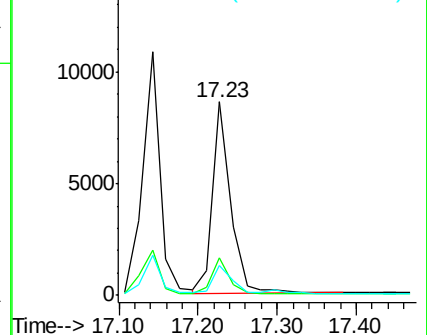
179 15.4 12.9 19.3



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. 0.01 min

Lab File: BM003599.D

Acq: 17 Dec 2015 15:02

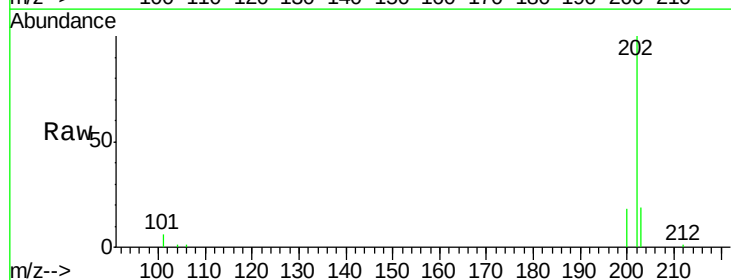
Tgt Ion:202 Resp: 17766

Ion Ratio Lower Upper

202 100

101 6.2 0.0 29.6

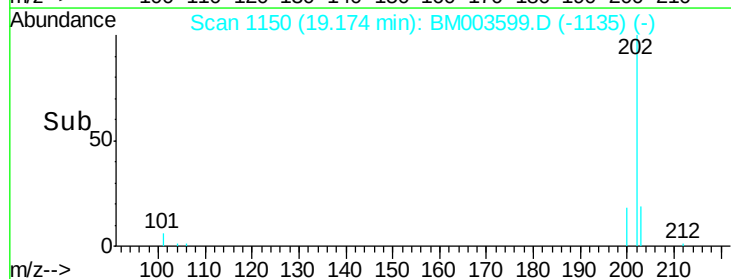
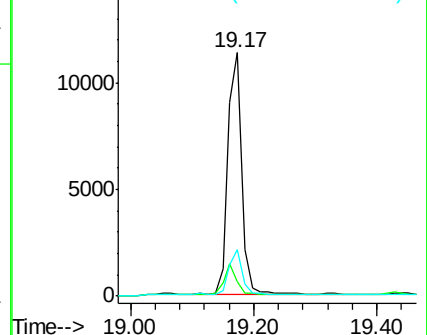
203 19.0 0.0 36.3

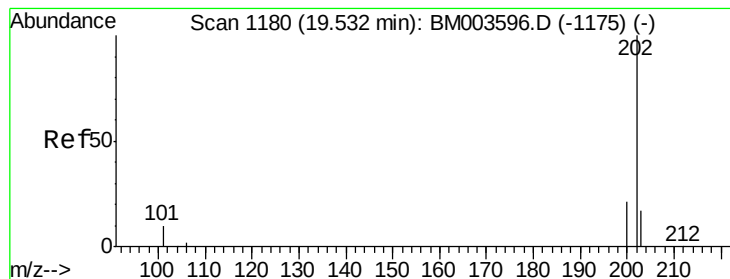


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E





#19

Pyrene

Concen: 0.49 ng/ul

RT: 19.54 min Scan# 1180

Delta R.T. 0.01 min

Lab File: BM003599.D

Acq: 17 Dec 2015 15:02

Instrument :

BNA_M

ClientSampleId :

SSTD0.459

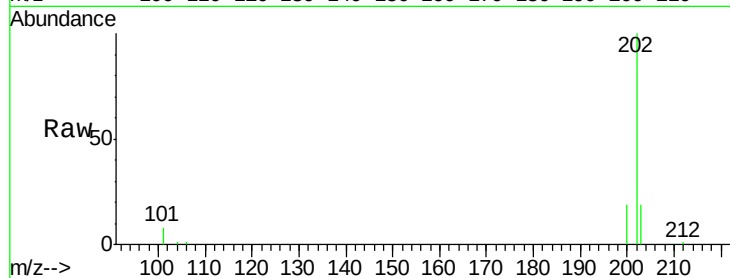
Tgt Ion:202 Resp: 17741

Ion Ratio Lower Upper

202 100

200 19.4 17.8 26.8

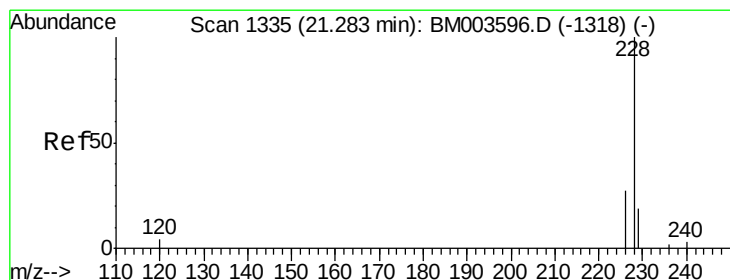
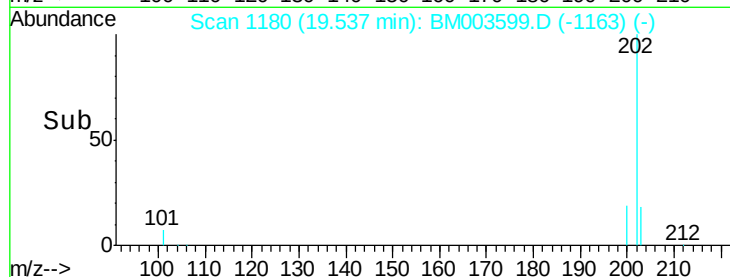
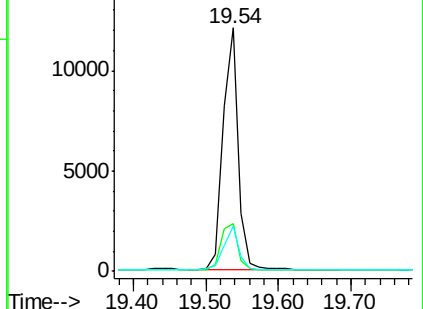
203 18.6 12.8 19.2



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: 0.48 ng/ul

RT: 21.29 min Scan# 1335

Delta R.T. 0.00 min

Lab File: BM003599.D

Acq: 17 Dec 2015 15:02

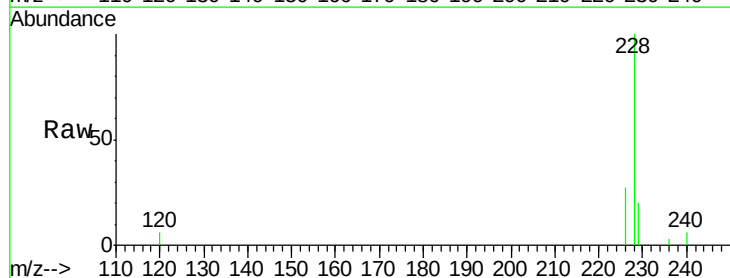
Tgt Ion:228 Resp: 15839

Ion Ratio Lower Upper

228 100

226 26.5 18.8 28.2

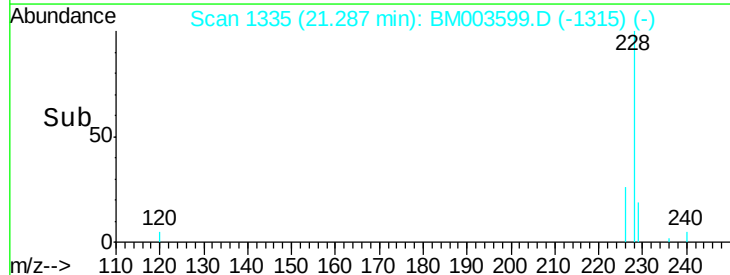
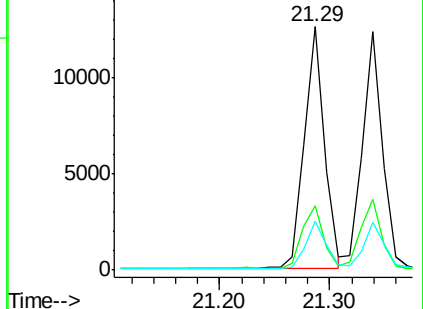
229 20.2 17.1 25.7

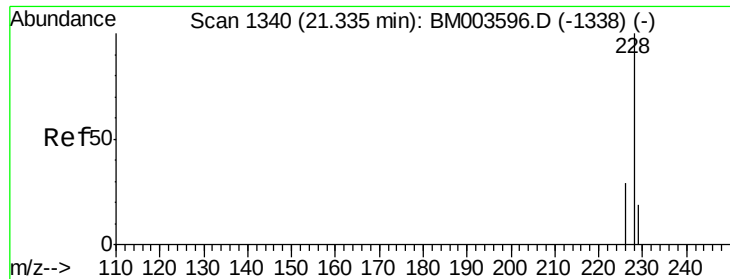


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#21

Chrysene

Concen: 0.41 ng/ul

RT: 21.34 min Scan# 1340

Delta R.T. 0.00 min

Lab File: BM003599.D

Acq: 17 Dec 2015 15:02

Instrument :

BNA_M

ClientSampleId :

SSTD0.459

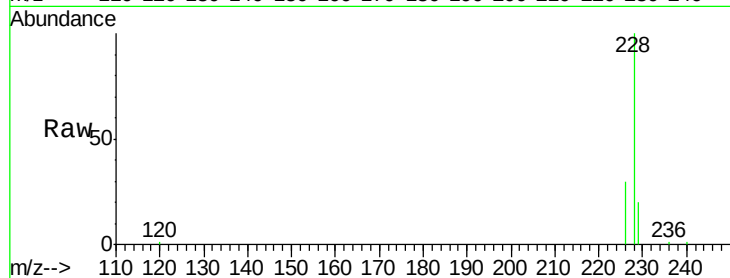
Tgt Ion:228 Resp: 15391

Ion Ratio Lower Upper

228 100

226 29.6 21.2 31.8

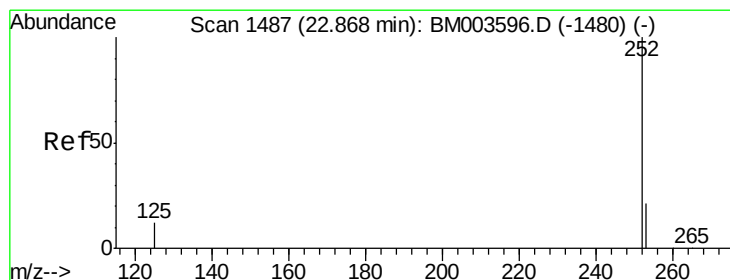
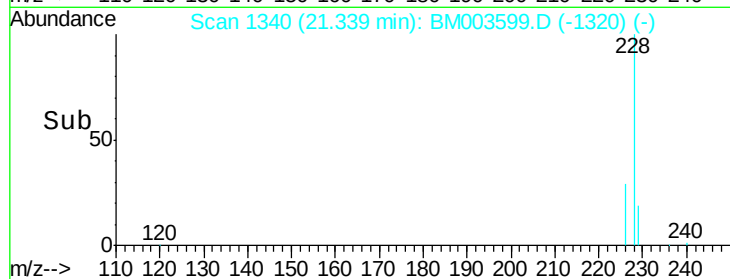
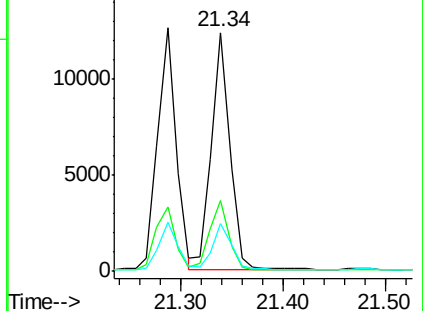
229 20.1 17.0 25.6



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. 0.00 min

Lab File: BM003599.D

Acq: 17 Dec 2015 15:02

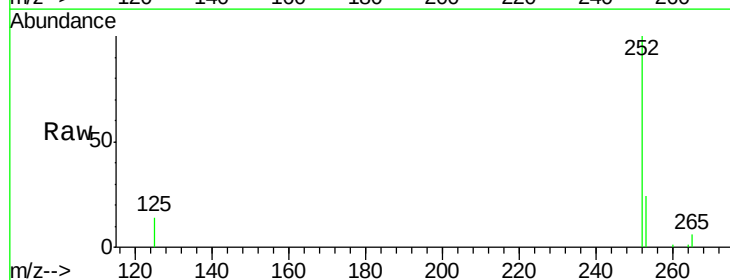
Tgt Ion:252 Resp: 15603

Ion Ratio Lower Upper

252 100

253 23.9 0.0 45.4

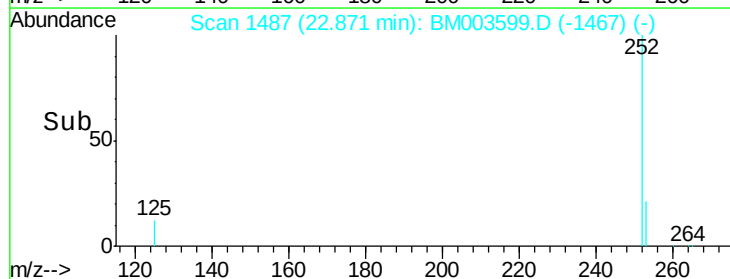
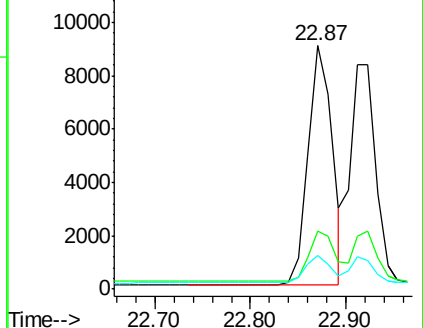
125 13.9 0.0 28.8

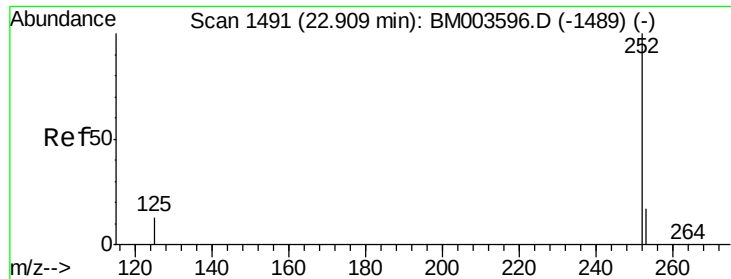


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#24

Benzo(k)fluoranthene

Concen: 0.39 ng/ul

RT: 22.92 min Scan# 1492

Delta R.T. 0.01 min

Lab File: BM003599.D

Acq: 17 Dec 2015 15:02

Instrument :

BNA_M

ClientSampleId :

SSTD0.459

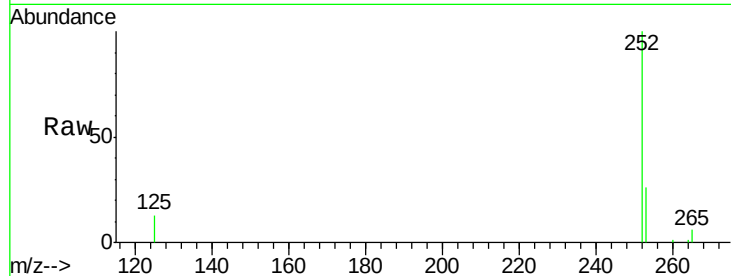
Tgt Ion:252 Resp: 15246

Ion Ratio Lower Upper

252 100

253 26.1 19.8 29.8

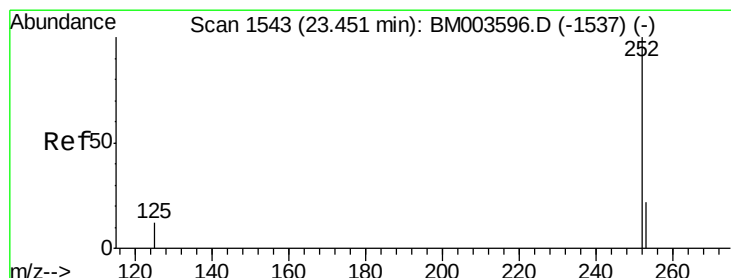
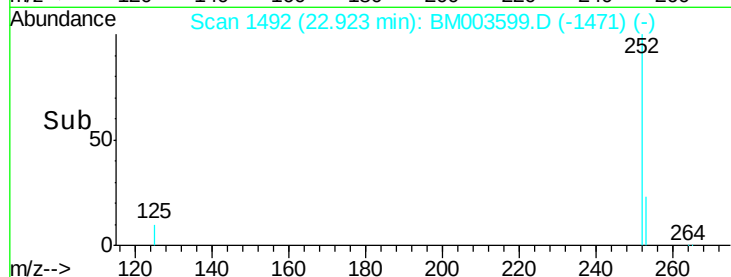
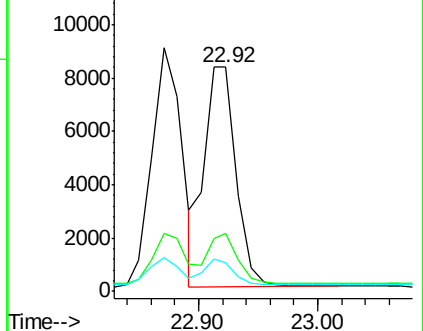
125 12.6 10.4 15.6



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. 0.00 min

Lab File: BM003599.D

Acq: 17 Dec 2015 15:02

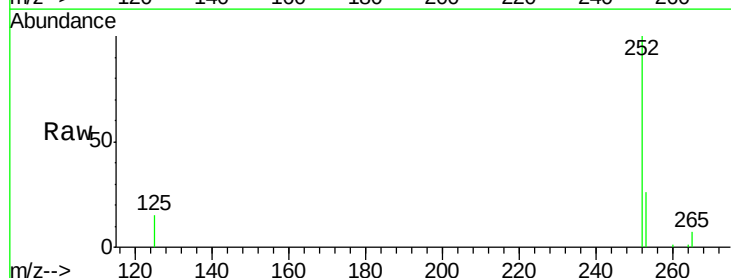
Tgt Ion:252 Resp: 15194

Ion Ratio Lower Upper

252 100

253 25.9 19.4 29.2

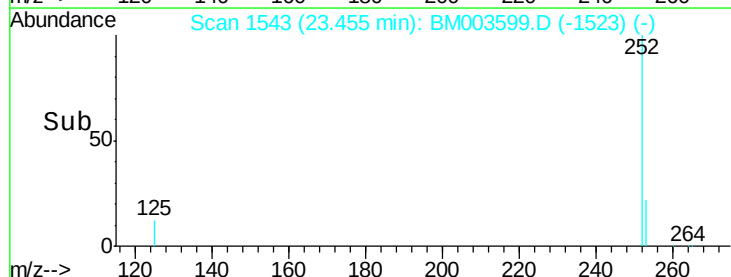
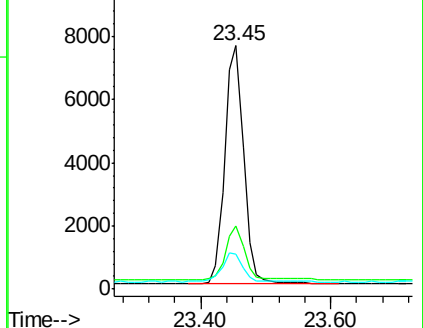
125 14.6 12.7 19.1

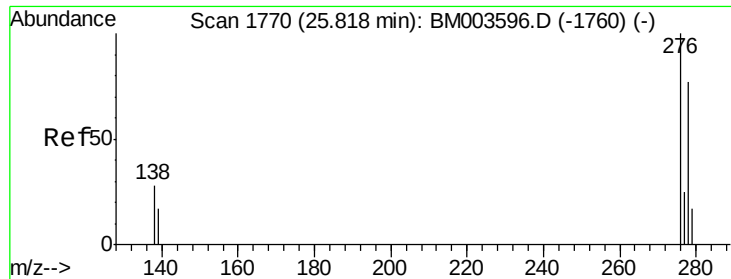


Abundance Ion 252.00 (251.70 to 252.70): E

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: 0.41 ng/ul

RT: 25.82 min Scan# 1770

Delta R.T. 0.00 min

Lab File: BM003599.D

Acq: 17 Dec 2015 15:02

Instrument :

BNA_M

ClientSampleId :

SSTD0.459

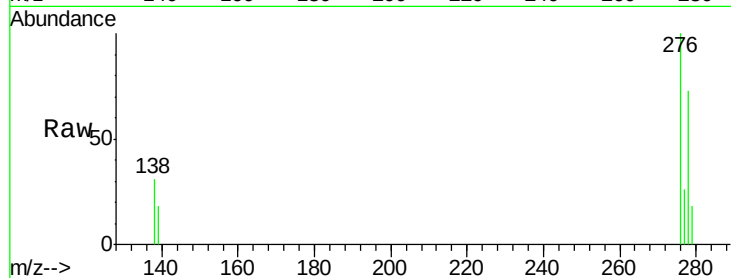
Tgt Ion:276 Resp: 17714

Ion Ratio Lower Upper

276 100

138 29.2 16.3 24.5#

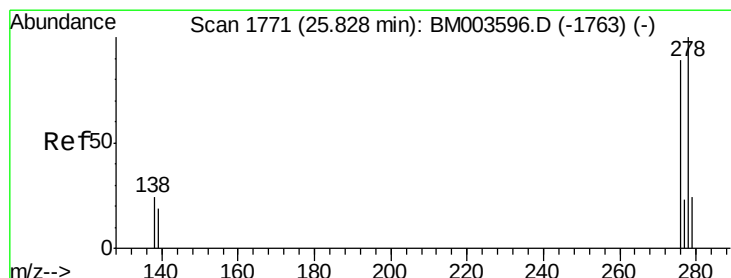
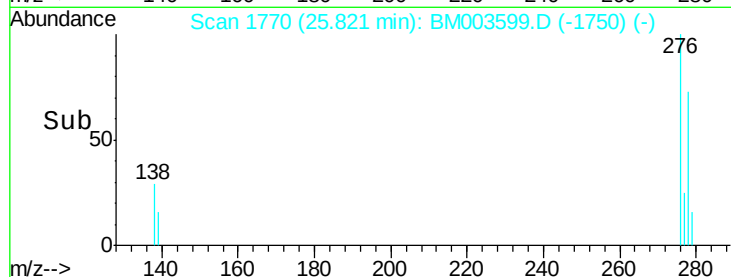
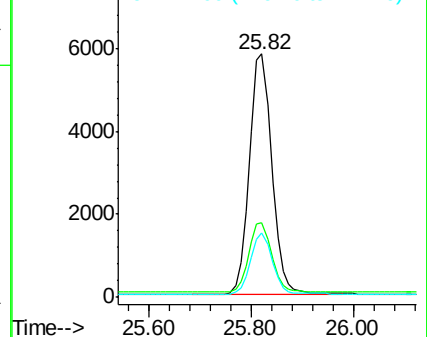
277 24.7 19.8 29.8



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: 0.42 ng/ul

RT: 25.83 min Scan# 1771

Delta R.T. 0.00 min

Lab File: BM003599.D

Acq: 17 Dec 2015 15:02

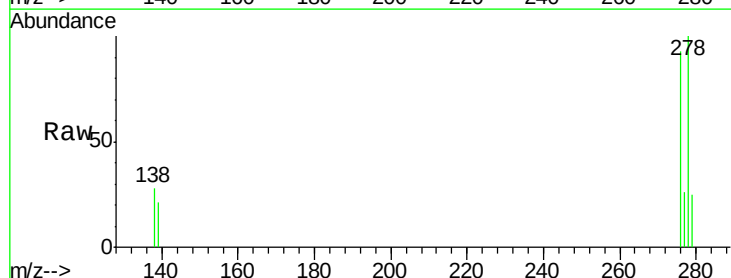
Tgt Ion:278 Resp: 14389

Ion Ratio Lower Upper

278 100

139 21.4 16.4 24.6

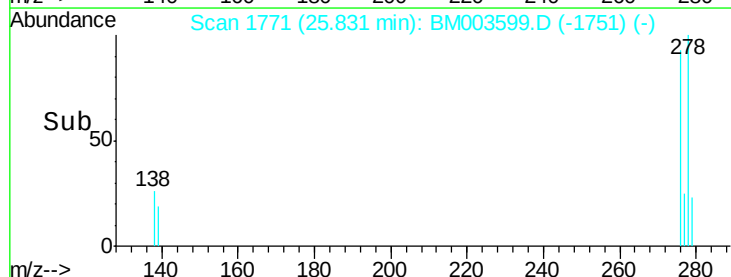
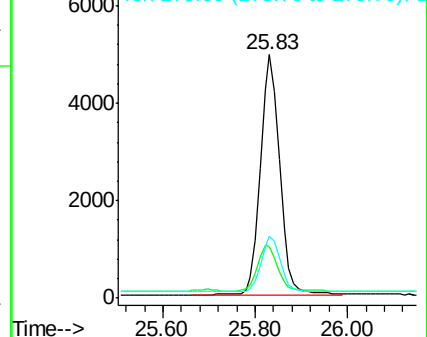
279 25.4 20.2 30.2

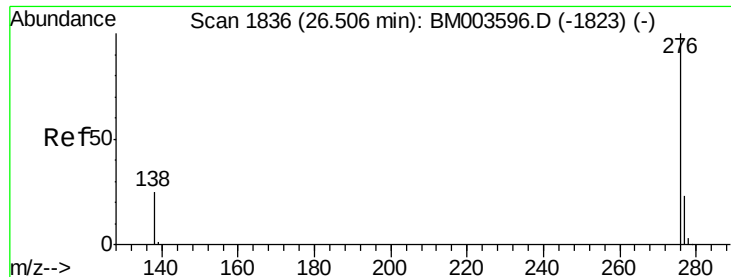


Abundance Ion 278.00 (277.70 to 278.70): E

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: 0.41 ng/ul

RT: 26.51 min Scan# 1836

Delta R.T. 0.00 min

Lab File: BM003599.D

Acq: 17 Dec 2015 15:02

Instrument :

BNA_M

ClientSampleId :

SSTD0.459

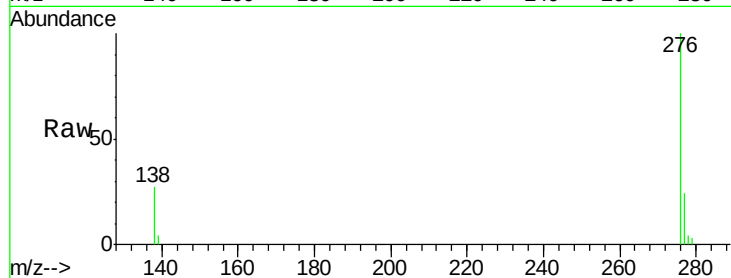
Tgt Ion: 276 Resp: 15255

Ion Ratio Lower Upper

276 100

277 24.4 18.9 28.3

138 27.3 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

