

Data Path : Z:\HPCHEM1\BNA_M\Data\BM123015\
 Data File : BM003832.D
 Acq On : 28 Dec 2015 17:22
 Operator : SJ/UM
 Sample : SSTDC00.4
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 SSTD0.464

Quant Time: Dec 29 07:09:01 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 00:41:46 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.68	152	6320	0.40	ng/ul	-0.03
4) Naphthalene-d8	10.48	136	26665	0.40	ng/ul	-0.02
8) Acenaphthene-d10	14.33	164	13611	0.40	ng/ul	-0.02
12) Phenanthrene-d10	17.07	188	26181	0.40	ng/ul	-0.03
18) Chrysene-d12	21.29	240	19126	0.40	ng/ul	-0.02
22) Perylene-d12	23.53	264	18320	0.40	ng/ul	-0.03

System Monitoring Compounds						
2) 1,4-Dioxane-d8	3.15	96	5242	1.94	ng/uL	-0.02
6) 2-Methylnaphthalene-d10	12.07	152	13725	0.43	ng/ul	-0.02
16) Fluoranthene-d10	19.13	212	22858	0.41	ng/ul	-0.01

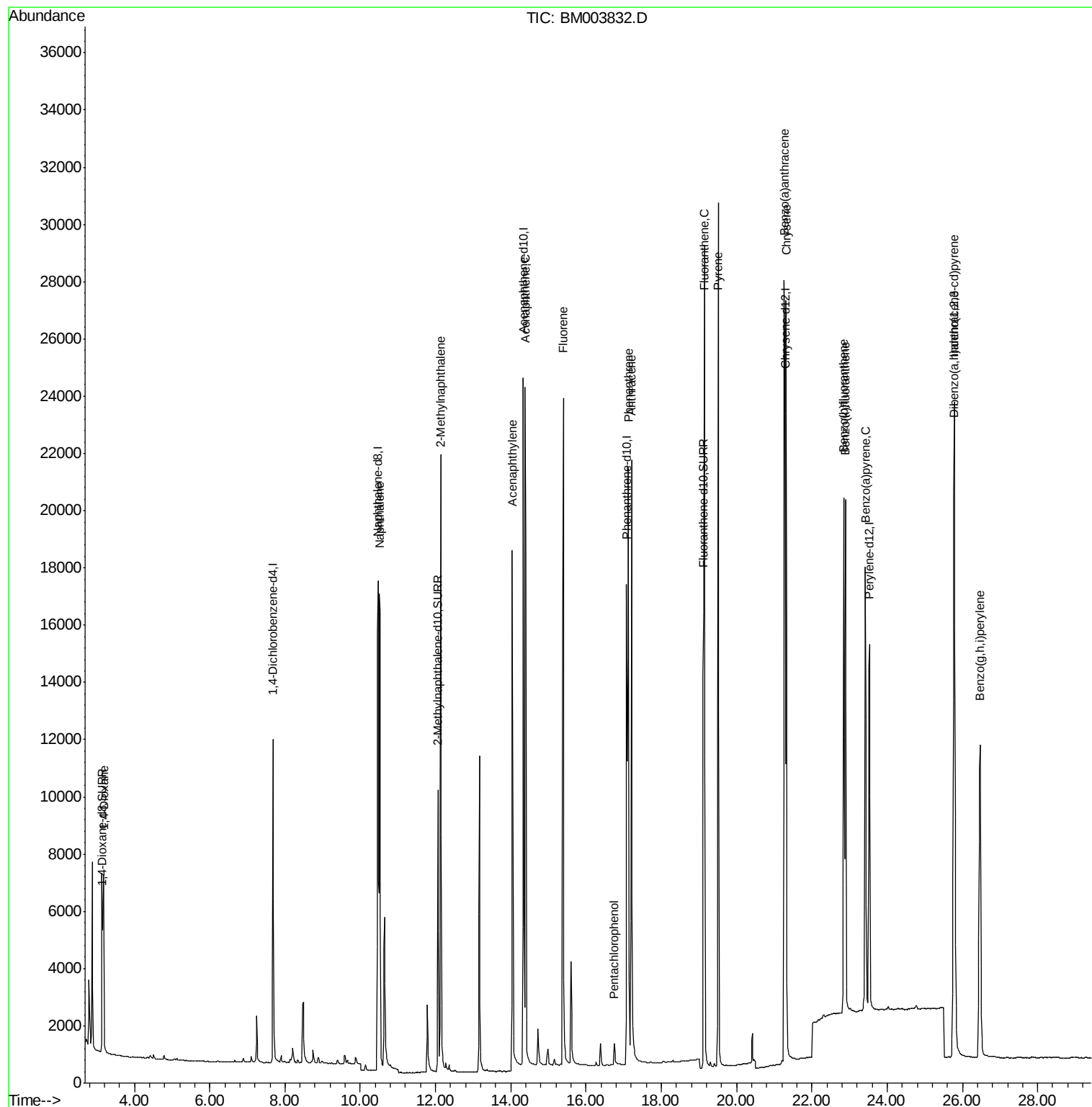
Target Compounds				Qvalue		
3) 1,4-Dioxane	3.18	88	6414	1.86	ng/ul#	9
5) Naphthalene	10.51	128	26154	0.44	ng/ul	96
7) 2-Methylnaphthalene	12.14	142	18066	0.45	ng/ul	99
9) Acenaphthylene	14.04	152	21200	0.41	ng/ul	99
10) Acenaphthene	14.38	153	18470	0.44	ng/ul#	78
11) Fluorene	15.39	166	20073	0.43	ng/ul	98
13) Pentachlorophenol	16.75	266	787	0.21	ng/ul	93
14) Phenanthrene	17.12	178	28619	0.42	ng/ul	98
15) Anthracene	17.21	178	25744	0.44	ng/ul	98
17) Fluoranthene	19.15	202	27847	0.38	ng/ul	97
19) Pyrene	19.51	202	28003	0.54	ng/ul	98
20) Benzo(a)anthracene	21.27	228	23438	0.50	ng/ul	93
21) Chrysene	21.32	228	23127	0.43	ng/ul	93
23) Benzo(b)fluoranthene	22.85	252	24678	0.39	ng/ul	97
24) Benzo(k)fluoranthene	22.89	252	22039	0.39	ng/ul	99
25) Benzo(a)pyrene	23.42	252	23092	0.44	ng/ul	99
26) Indeno(1,2,3-cd)pyrene	25.78	276	27480	0.45	ng/ul#	91
27) Dibenzo(a,h)anthracene	25.79	278	22091	0.45	ng/ul	98
28) Benzo(g,h,i)perylene	26.47	276	23525	0.44	ng/ul	98

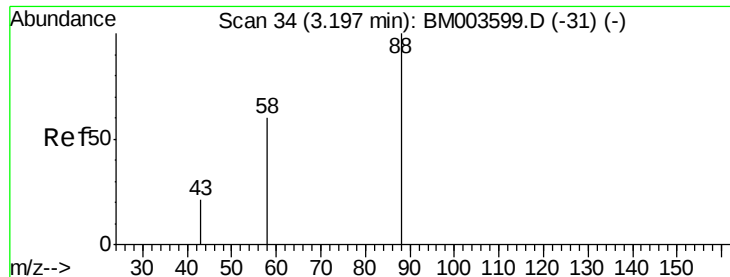
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\HPCHEM1\BNA_M\Data\BM123015\
Data File : BM003832.D
Acq On : 28 Dec 2015 17:22
Operator : SJ/UM
Sample : SSTDCCC0.4
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
SSTD0.464

Quant Time: Dec 29 07:09:01 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 00:41:46 2015
Response via : Initial Calibration





#3

1,4-Dioxane

Concen: 1.86 ng/ul

RT: 3.18 min Scan# 33

Delta R.T. -0.02 min

Lab File: BM003832.D

Acq: 28 Dec 2015 17:22

Instrument :

BNA_G

ClientSampleId :

SSTD0.464

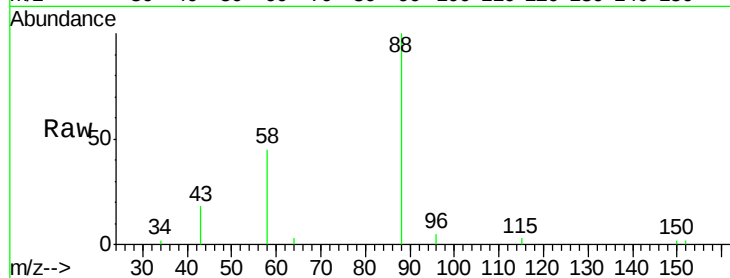
Tgt Ion: 88 Resp: 6414

Ion Ratio Lower Upper

88 100

58 62.5 8.0 12.0#

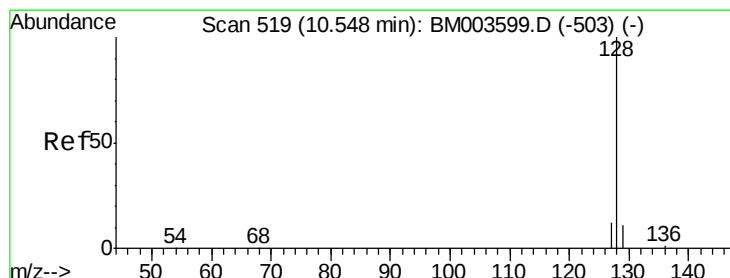
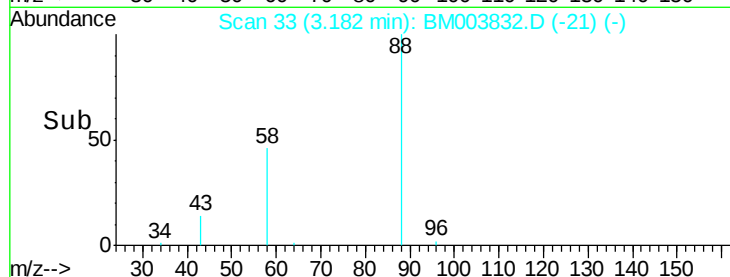
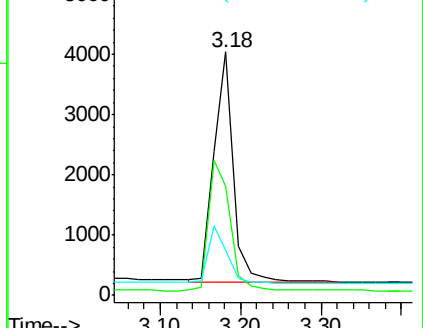
43 24.9 8.0 12.0#



Abundance Ion 88.00 (87.70 to 88.70): BM003599.D (-31) (-)

Ion 58.00 (57.70 to 58.70): BM003599.D (-31) (-)

Ion 43.00 (42.70 to 43.70): BM003599.D (-31) (-)



#5

Naphthalene

Concen: 0.44 ng/ul

RT: 10.51 min Scan# 516

Delta R.T. -0.04 min

Lab File: BM003832.D

Acq: 28 Dec 2015 17:22

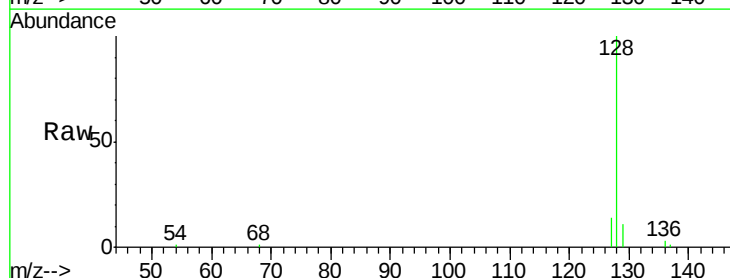
Tgt Ion: 128 Resp: 26154

Ion Ratio Lower Upper

128 100

129 10.7 9.0 13.6

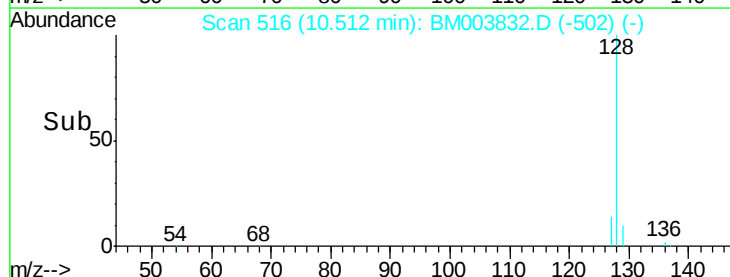
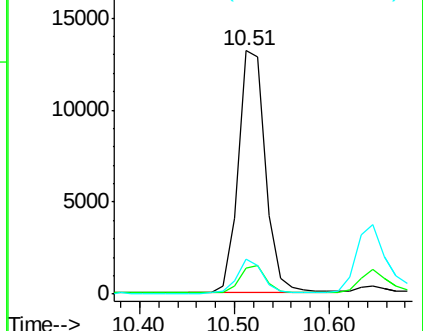
127 14.2 9.6 14.4

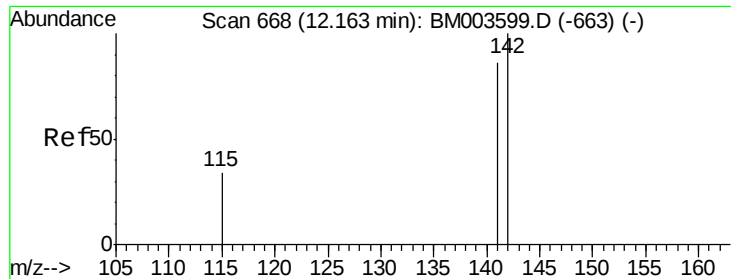


Abundance Ion 128.00 (127.70 to 128.70): BM003599.D (-503) (-)

Ion 129.00 (128.70 to 129.70): BM003599.D (-503) (-)

Ion 127.00 (126.70 to 127.70): BM003599.D (-503) (-)





#7

2-Methylnaphthalene

Concen: 0.45 ng/ul

RT: 12.14 min Scan# 666

Delta R.T. -0.02 min

Lab File: BM003832.D

Acq: 28 Dec 2015 17:22

Instrument :

BNA_G

ClientSampleId :

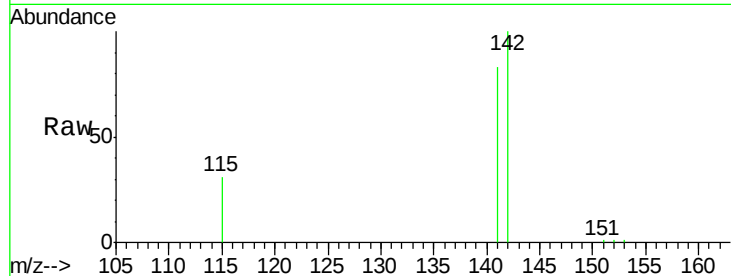
SSTD0.464

Tgt Ion:142 Resp: 18066

Ion Ratio Lower Upper

142 100

141 88.6 70.3 105.5



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

10000

8000

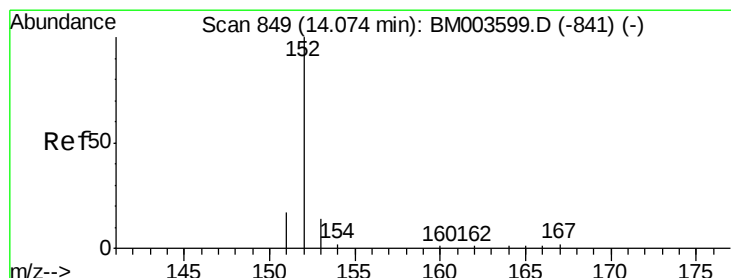
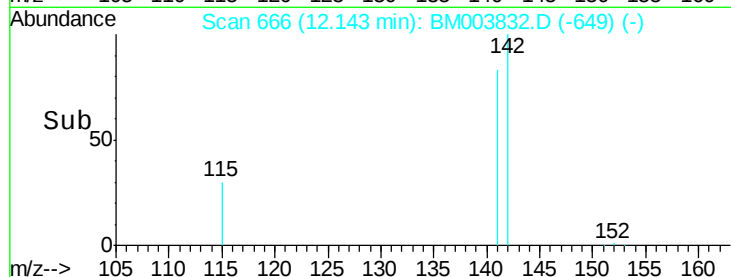
6000

4000

2000

0

Time--> 12.00 12.10 12.20 12.30



#9

Acenaphthylene

Concen: 0.41 ng/ul

RT: 14.04 min Scan# 847

Delta R.T. -0.03 min

Lab File: BM003832.D

Acq: 28 Dec 2015 17:22

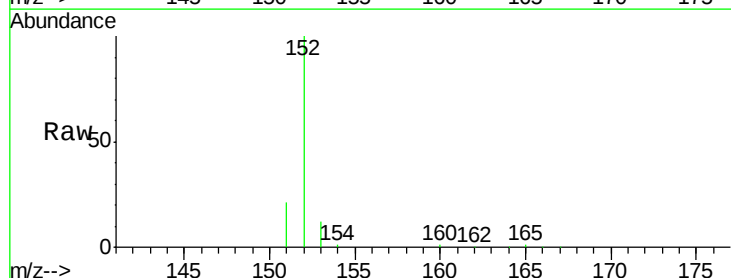
Tgt Ion:152 Resp: 21200

Ion Ratio Lower Upper

152 100

151 21.2 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

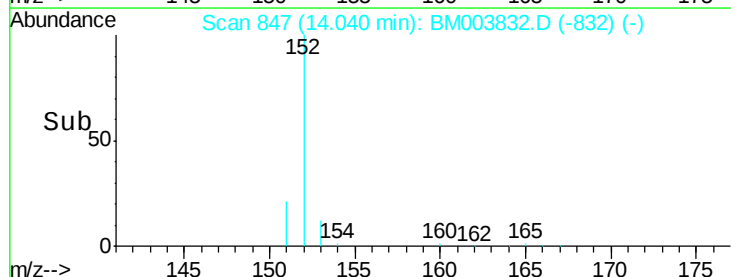
15000

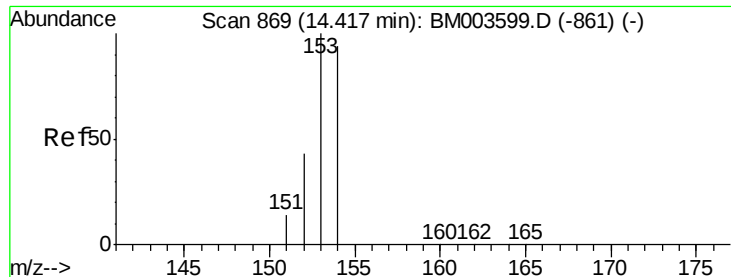
10000

5000

0

Time--> 14.00 14.10 14.20





#10

Acenaphthene

Concen: 0.44 ng/ul

RT: 14.38 min Scan# 867

Delta R.T. -0.03 min

Lab File: BM003832.D

Acq: 28 Dec 2015 17:22

Instrument :

BNA_G

ClientSampleId :

SSTD0.464

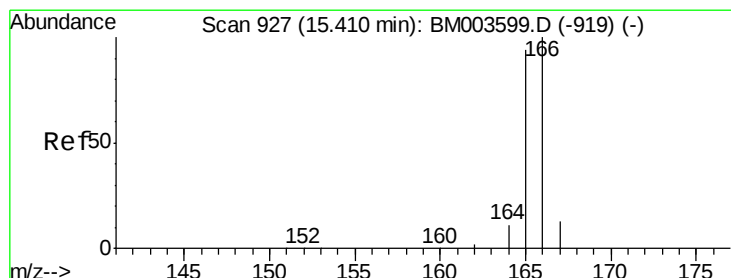
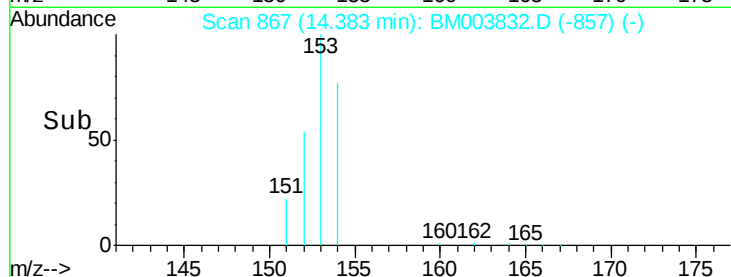
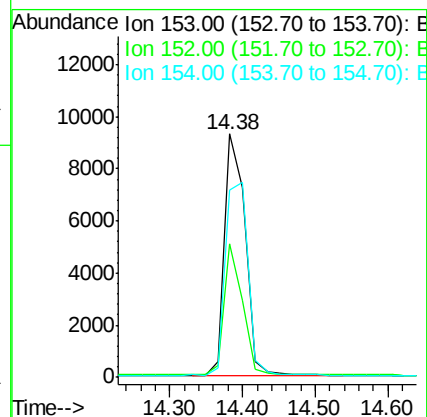
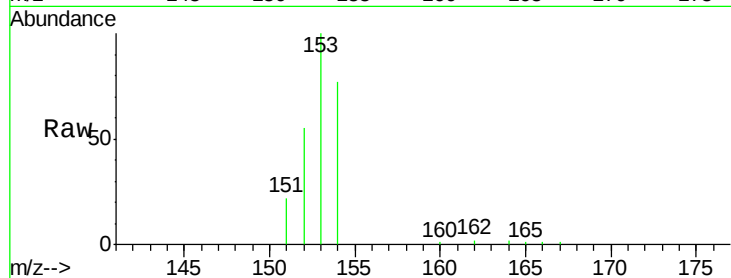
Tgt Ion:153 Resp: 18470

Ion Ratio Lower Upper

153 100

152 54.7 33.9 50.9#

154 77.0 80.6 121.0#



#11

Fluorene

Concen: 0.43 ng/ul

RT: 15.39 min Scan# 926

Delta R.T. -0.02 min

Lab File: BM003832.D

Acq: 28 Dec 2015 17:22

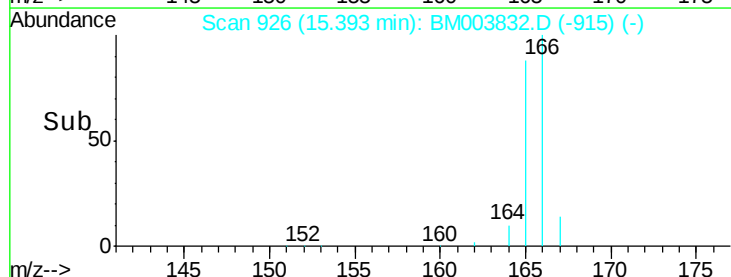
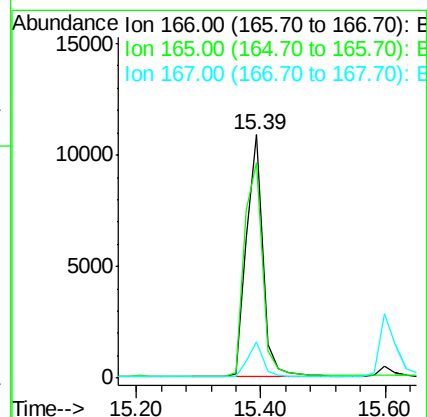
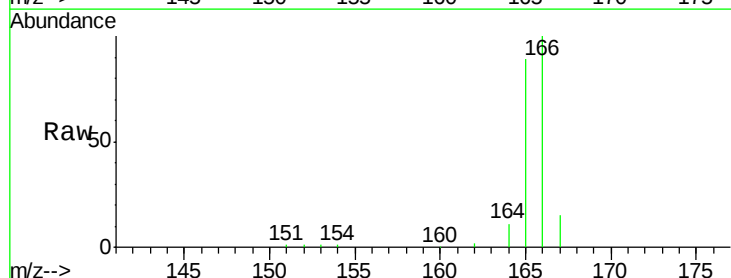
Tgt Ion:166 Resp: 20073

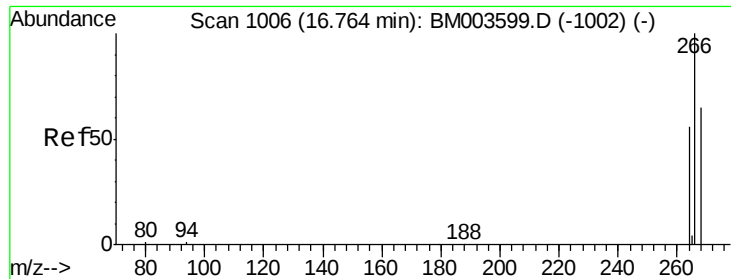
Ion Ratio Lower Upper

166 100

165 88.7 69.6 104.4

167 14.9 11.9 17.9

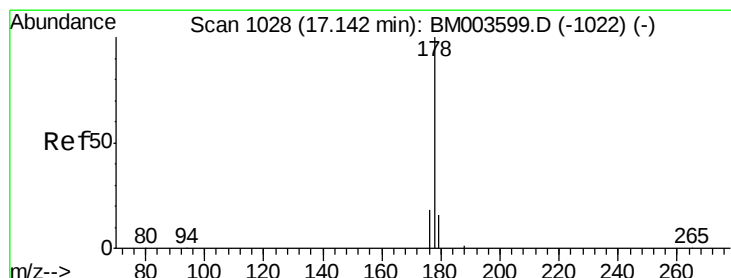
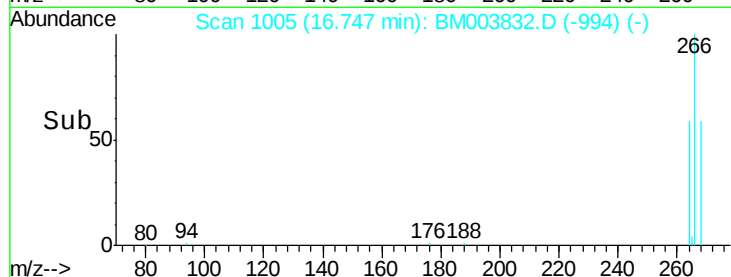
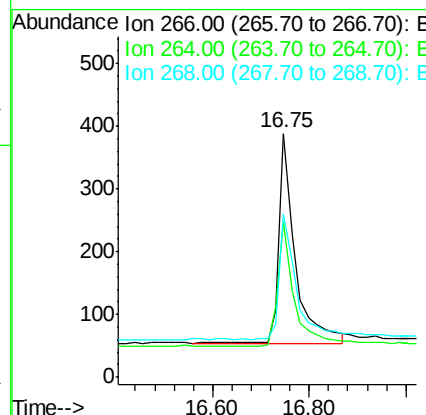
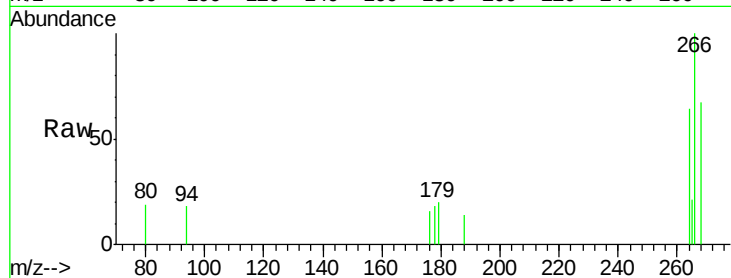




#13
 Pentachlorophenol
 Concen: 0.21 ng/ul
 RT: 16.75 min Scan# 1005
 Delta R.T. -0.02 min
 Lab File: BM003832.D
 Acq: 28 Dec 2015 17:22

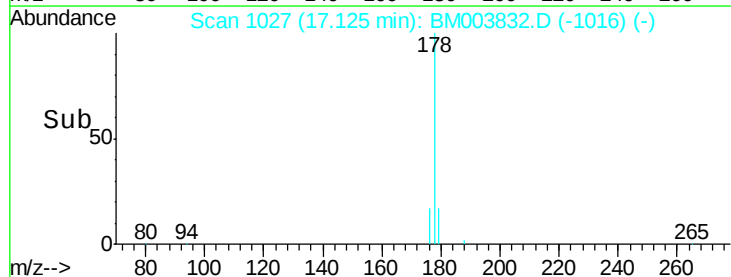
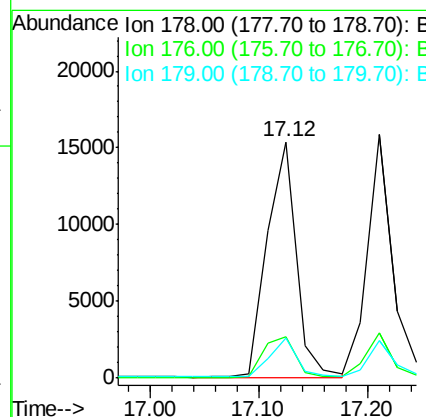
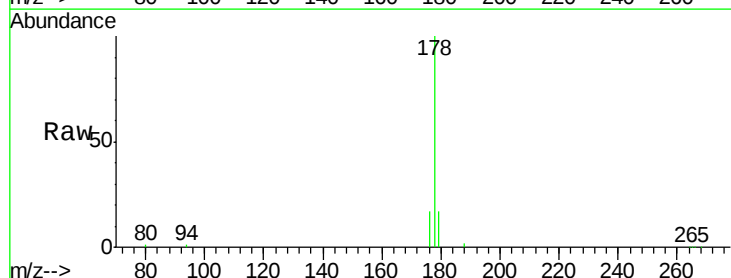
Instrument :
 BNA_G
 ClientSampleId :
 SSTD0.464

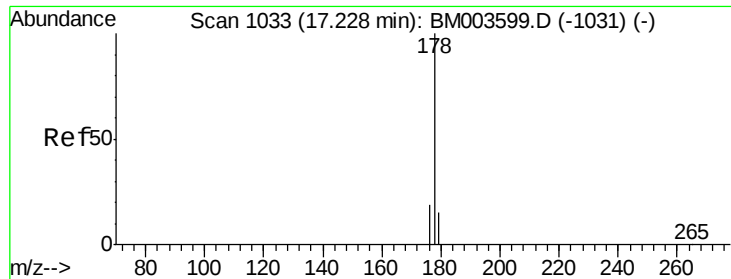
Tgt Ion: 266 Resp: 787
 Ion Ratio Lower Upper
 266 100
 264 59.2 51.8 77.8
 268 63.2 46.8 70.2



#14
 Phenanthrene
 Concen: 0.42 ng/ul
 RT: 17.12 min Scan# 1027
 Delta R.T. -0.02 min
 Lab File: BM003832.D
 Acq: 28 Dec 2015 17:22

Tgt Ion: 178 Resp: 28619
 Ion Ratio Lower Upper
 178 100
 176 17.4 13.0 19.4
 179 17.1 14.2 21.2





#15

Anthracene

Concen: 0.44 ng/ul

RT: 17.21 min Scan# 1032

Delta R.T. -0.02 min

Lab File: BM003832.D

Acq: 28 Dec 2015 17:22

Instrument :

BNA_G

ClientSampleId :

SSTD0.464

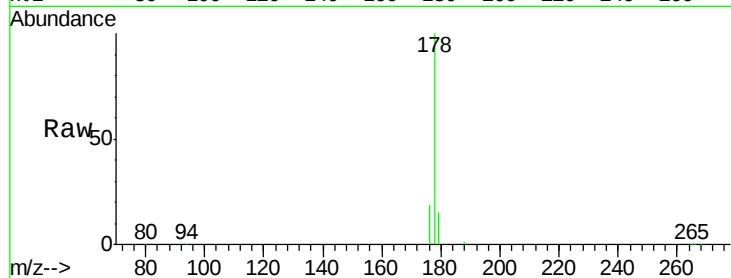
Tgt Ion:178 Resp: 25744

Ion Ratio Lower Upper

178 100

176 18.5 14.0 21.0

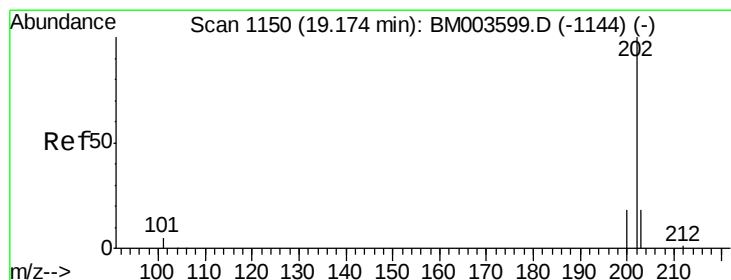
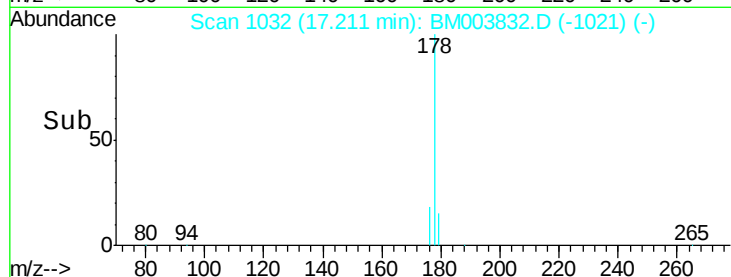
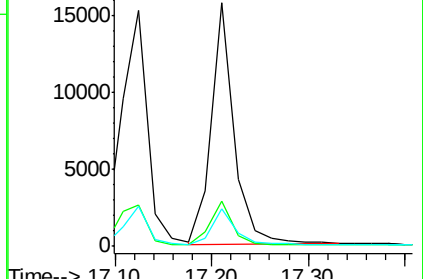
179 15.4 12.9 19.3



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: 0.38 ng/ul

RT: 19.15 min Scan# 1148

Delta R.T. -0.02 min

Lab File: BM003832.D

Acq: 28 Dec 2015 17:22

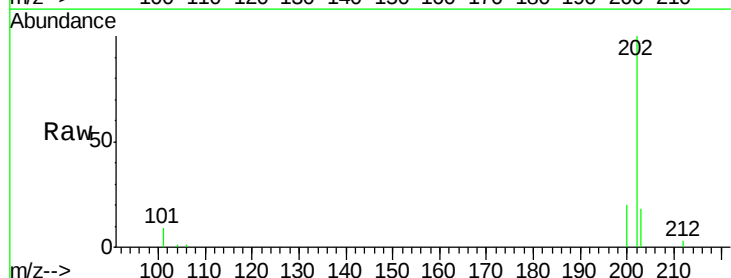
Tgt Ion:202 Resp: 27847

Ion Ratio Lower Upper

202 100

101 8.7 0.0 29.6

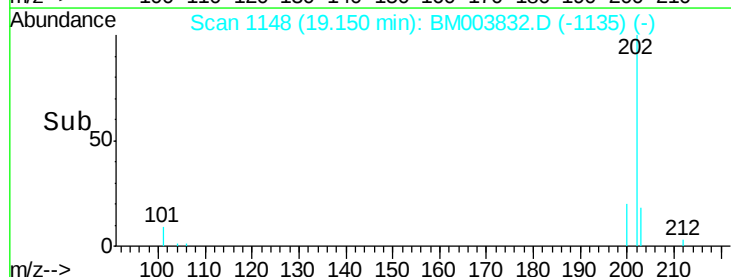
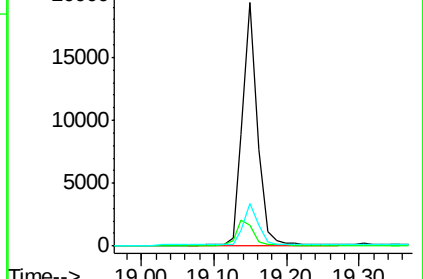
203 17.7 0.0 36.3

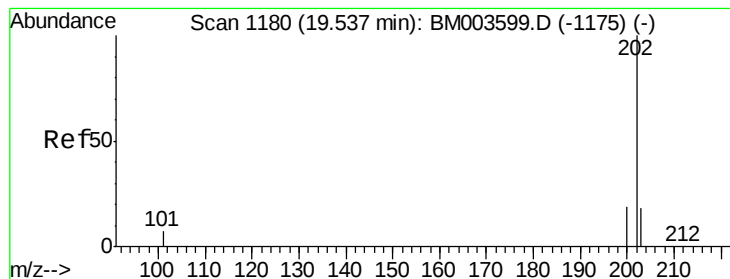


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E

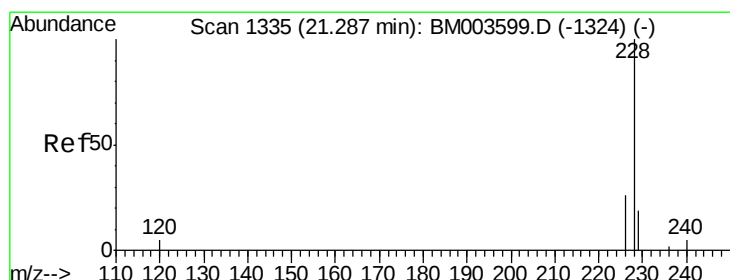
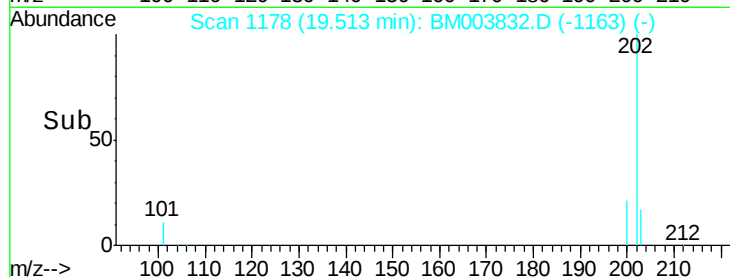
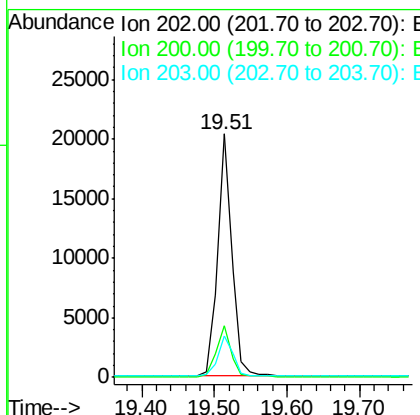
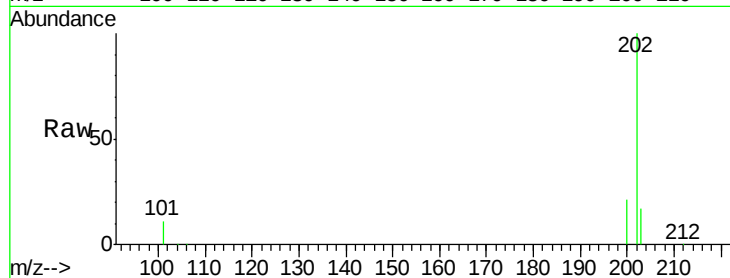




#19
Pyrene
Concen: 0.54 ng/ul
RT: 19.51 min Scan# 1178
Delta R.T. -0.02 min
Lab File: BM003832.D
Acq: 28 Dec 2015 17:22

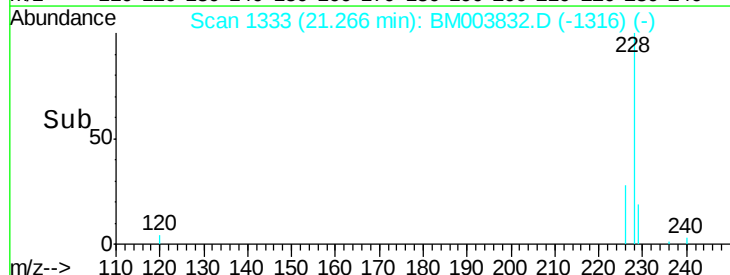
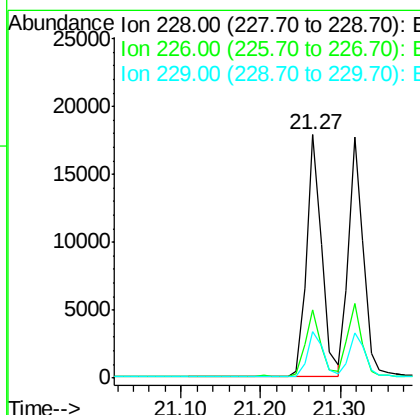
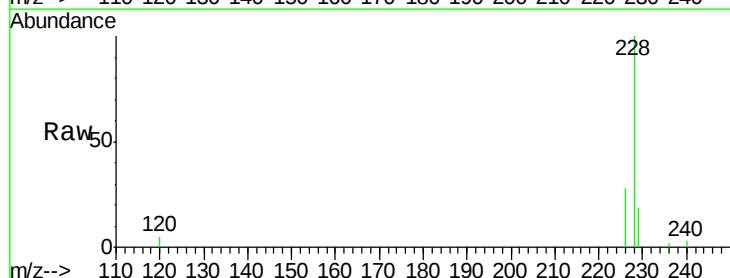
Instrument :
BNA_G
ClientSampleId :
SSTD0.464

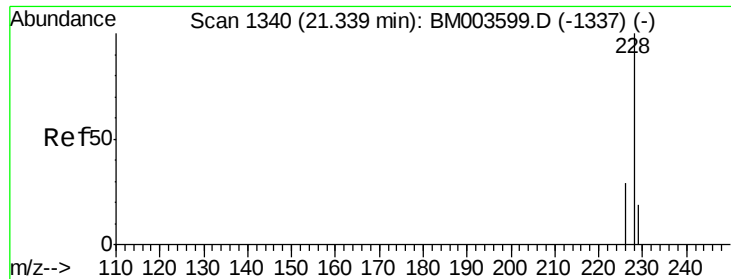
Tgt Ion: 202 Resp: 28003
Ion Ratio Lower Upper
202 100
200 21.2 17.8 26.8
203 17.1 12.8 19.2



#20
Benzo(a)anthracene
Concen: 0.50 ng/ul
RT: 21.27 min Scan# 1333
Delta R.T. -0.02 min
Lab File: BM003832.D
Acq: 28 Dec 2015 17:22

Tgt Ion: 228 Resp: 23438
Ion Ratio Lower Upper
228 100
226 27.9 18.8 28.2
229 19.1 17.1 25.7





#21

Chrysene

Concen: 0.43 ng/ul

RT: 21.32 min Scan# 1338

Delta R.T. -0.02 min

Lab File: BM003832.D

Acq: 28 Dec 2015 17:22

Instrument :

BNA_G

ClientSampleId :

SSTD0.464

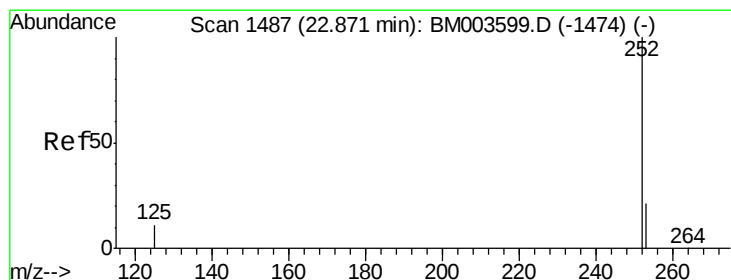
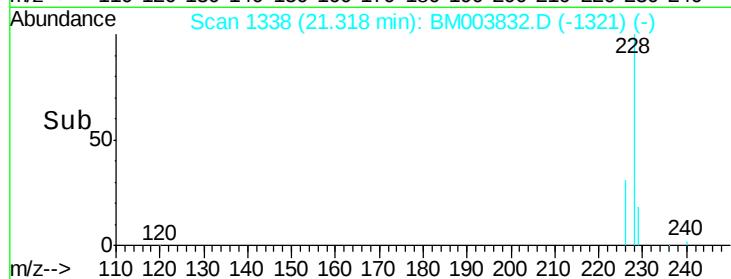
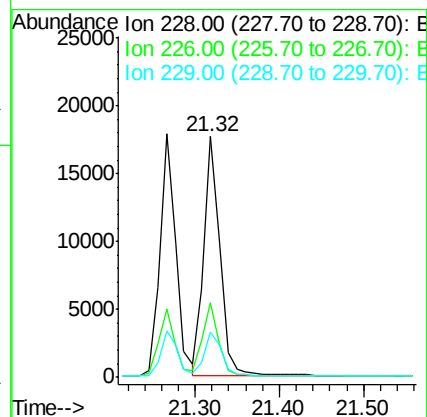
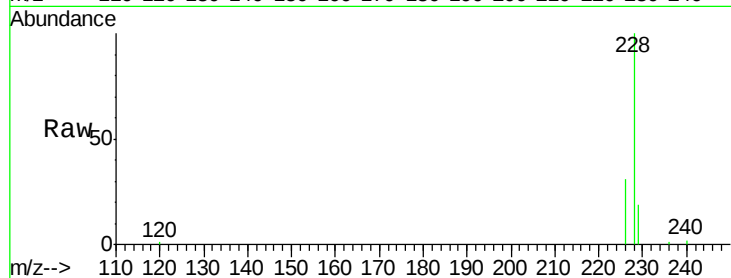
Tgt Ion:228 Resp: 23127

Ion Ratio Lower Upper

228 100

226 30.9 21.2 31.8

229 18.9 17.0 25.6



#23

Benzo(b)fluoranthene

Concen: 0.39 ng/ul

RT: 22.85 min Scan# 1485

Delta R.T. -0.02 min

Lab File: BM003832.D

Acq: 28 Dec 2015 17:22

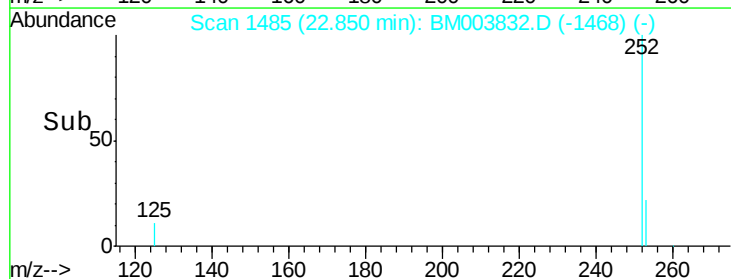
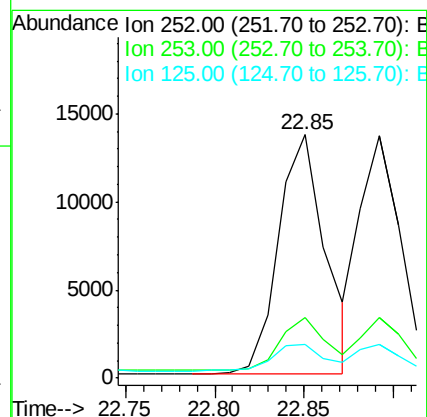
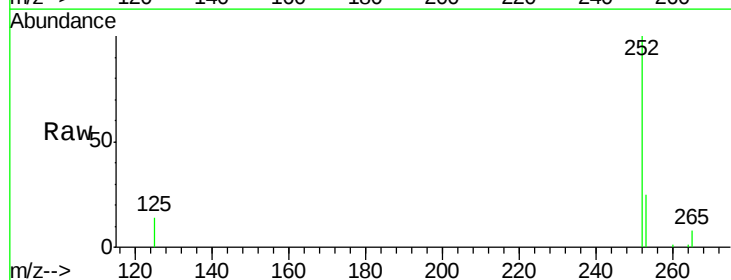
Tgt Ion:252 Resp: 24678

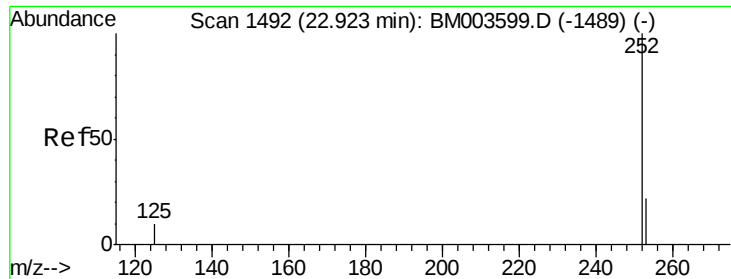
Ion Ratio Lower Upper

252 100

253 24.9 0.0 45.4

125 13.7 0.0 28.8





#24

Benzo(k)fluoranthene

Concen: 0.39 ng/u1

RT: 22.89 min Scan# 1489

Delta R.T. -0.03 min

Lab File: BM003832.D

Acq: 28 Dec 2015 17:22

Instrument :

BNA_G

ClientSampleId :

SSTD0.464

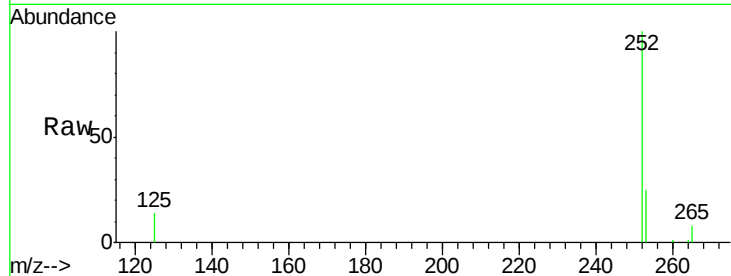
Tgt Ion:252 Resp: 22039

Ion Ratio Lower Upper

252 100

253 24.8 19.8 29.8

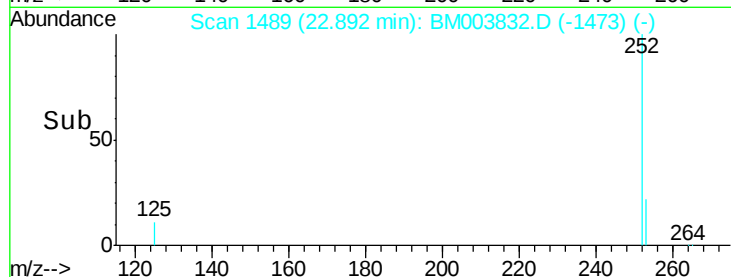
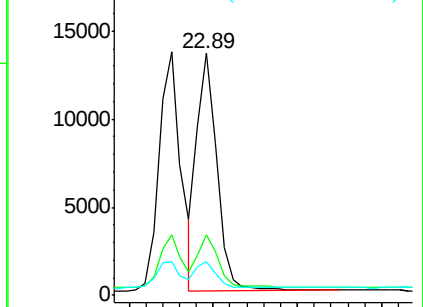
125 13.8 10.4 15.6



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: 0.44 ng/u1

RT: 23.42 min Scan# 1540

Delta R.T. -0.03 min

Lab File: BM003832.D

Acq: 28 Dec 2015 17:22

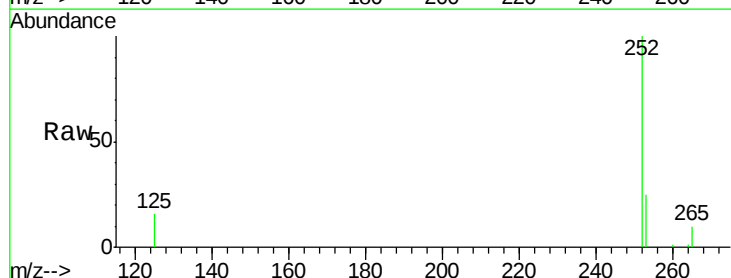
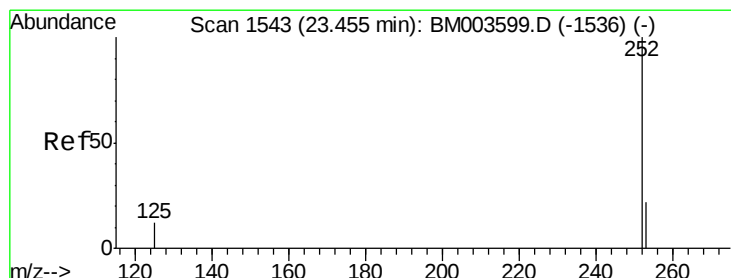
Tgt Ion:252 Resp: 23092

Ion Ratio Lower Upper

252 100

253 25.1 19.4 29.2

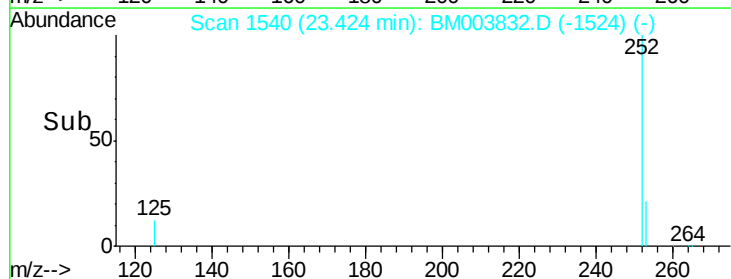
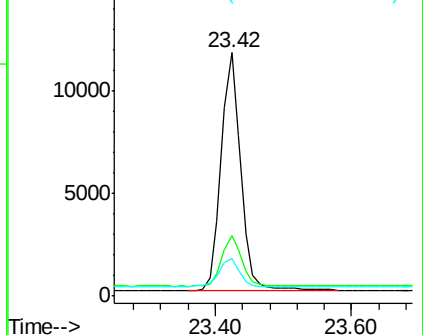
125 15.5 12.7 19.1

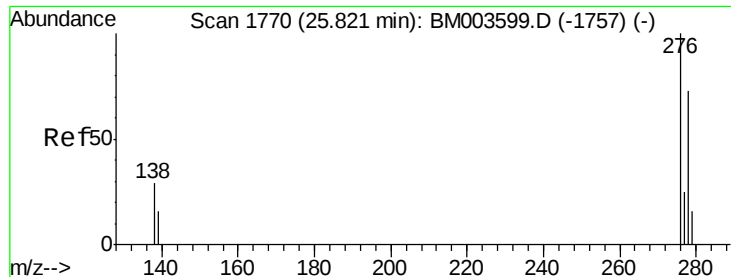


Abundance Ion 252.00 (251.70 to 252.70): E

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: 0.45 ng/ul

RT: 25.78 min Scan# 1766

Delta R.T. -0.04 min

Lab File: BM003832.D

Acq: 28 Dec 2015 17:22

Instrument :

BNA_G

ClientSampleId :

SSTD0.464

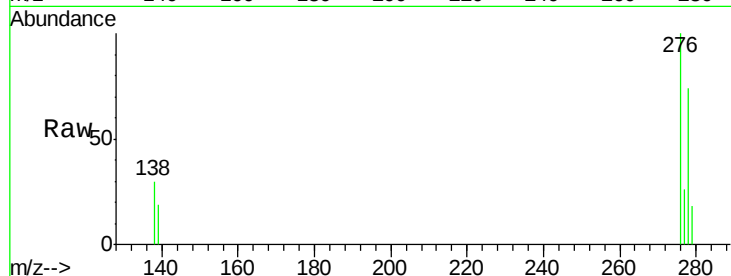
Tgt Ion:276 Resp: 27480

Ion Ratio Lower Upper

276 100

138 29.5 16.3 24.5#

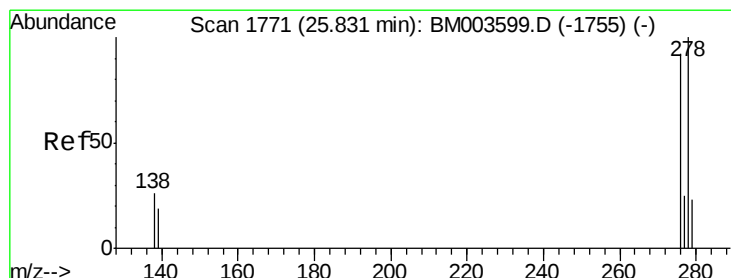
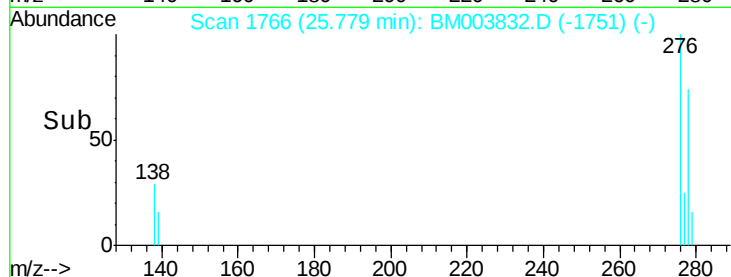
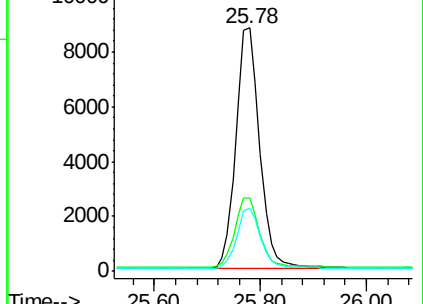
277 24.7 19.8 29.8



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: 0.45 ng/ul

RT: 25.79 min Scan# 1767

Delta R.T. -0.04 min

Lab File: BM003832.D

Acq: 28 Dec 2015 17:22

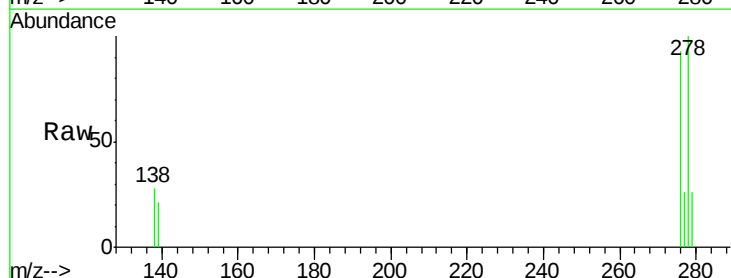
Tgt Ion:278 Resp: 22091

Ion Ratio Lower Upper

278 100

139 21.4 16.4 24.6

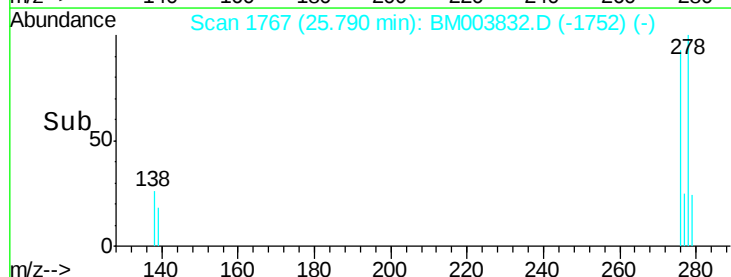
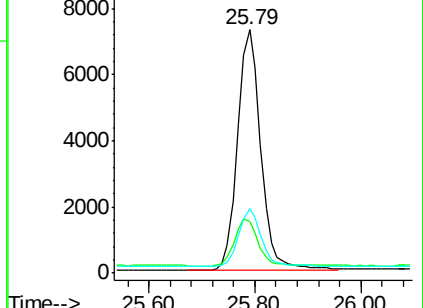
279 26.2 20.2 30.2

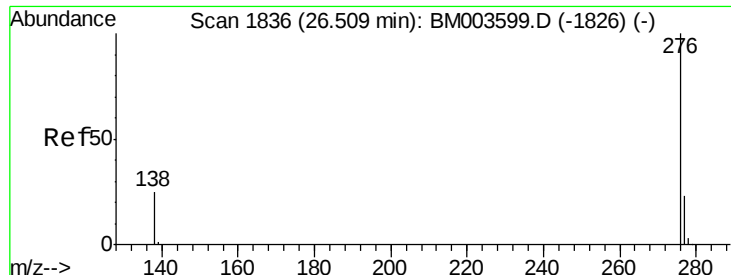


Abundance Ion 278.00 (277.70 to 278.70): E

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: 0.44 ng/ul

RT: 26.47 min Scan# 1832

Delta R.T. -0.04 min

Lab File: BM003832.D

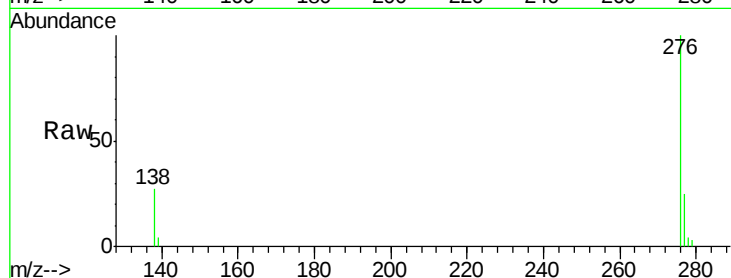
Acq: 28 Dec 2015 17:22

Instrument :

BNA_G

ClientSampleId :

SSTD0.464



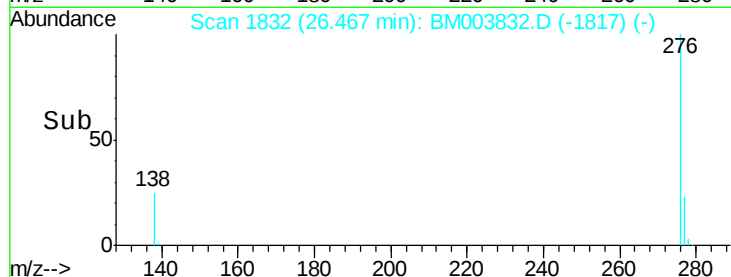
Tgt Ion: 276 Resp: 23525

Ion Ratio Lower Upper

276 100

277 24.7 18.9 28.3

138 26.8 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

