

Data Path : Z:\HPCHEM1\BNA M\DATA\BM111915\
 Data File : BM003193.D
 Acq On : 19 Nov 2015 17:04
 Operator : UM/IZ
 Sample : SSTDC00.4
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 SSTD0.454

Quant Time: Nov 20 02:43:01 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 : Fri Nov 20 02:40:36 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.74	152	14253	0.40	ng/ul	0.00
4) Naphthalene-d8	10.53	136	52651	0.40	ng/ul	0.00
8) Acenaphthene-d10	14.38	164	25345	0.40	ng/ul	0.00
12) Phenanthrene-d10	17.12	188	51624	0.40	ng/ul	0.00
18) Chrysene-d12	21.33	240	47314	0.40	ng/ul	0.00
22) Perylene-d12	23.58	264	43794	0.40	ng/ul	-0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
2) 1,4-Dioxane-d8	3.20	96	14897	0.98	ng/uL	0.00
6) 2-Methylnaphthalene-d10	12.12	152	29438	0.41	ng/ul	0.00
16) Fluoranthene-d10	19.17	212	50740	0.40	ng/ul	0.00

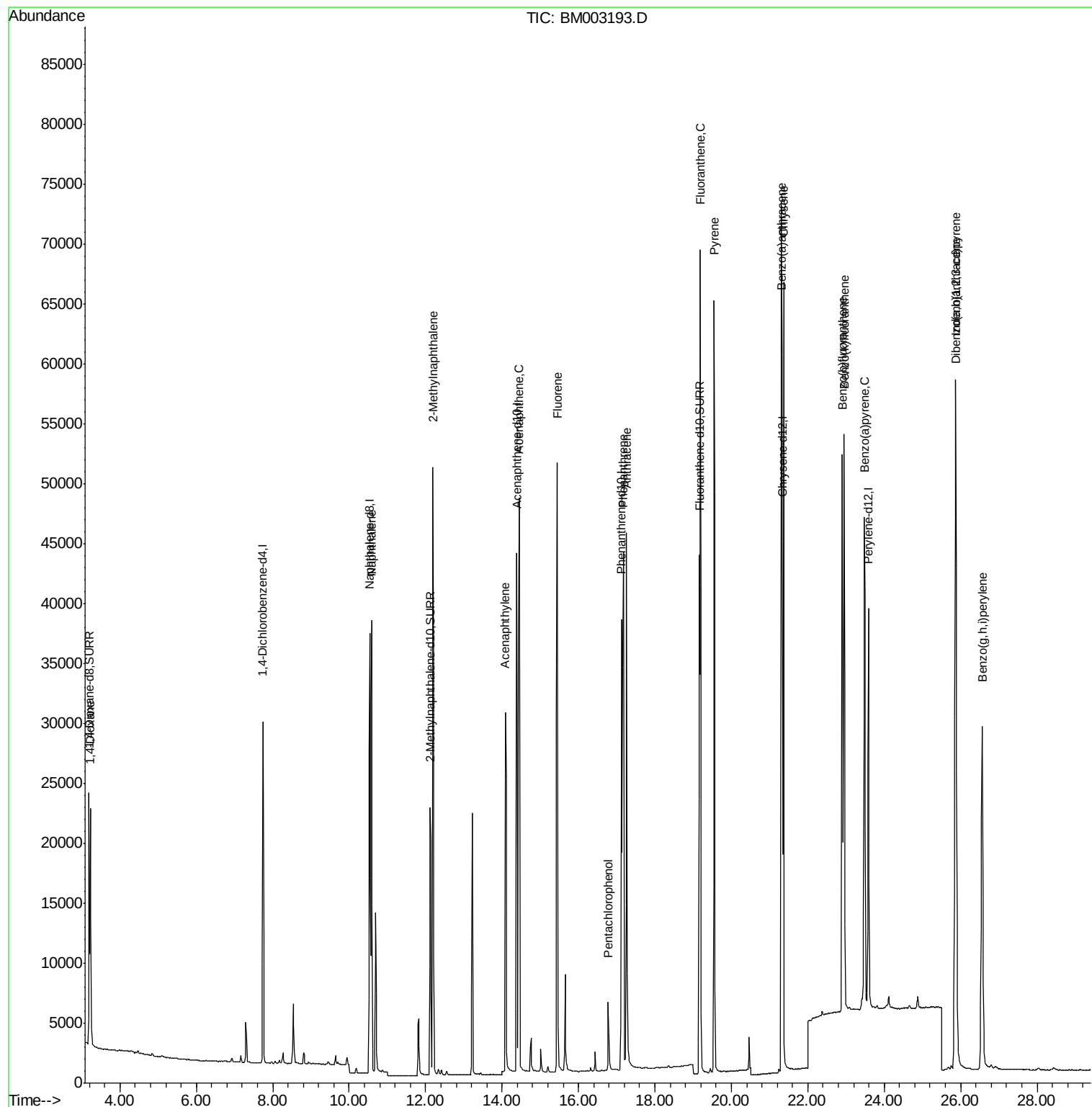
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
3) 1,4-Dioxane	3.23	88	16600	0.96	ng/ul#	100
5) Naphthalene	10.58	128	54389	0.40	ng/ul	100
7) 2-Methylnaphthalene	12.19	142	36396	0.41	ng/ul#	100
9) Acenaphthylene	14.09	152	45876	0.43	ng/ul	100
10) Acenaphthene	14.45	153	36117	0.41	ng/ul	98
11) Fluorene	15.44	166	39145	0.41	ng/ul	99
13) Pentachlorophenol	16.78	266	4749	0.39	ng/ul#	15
14) Phenanthrene	17.17	178	61331	0.41	ng/ul	100
15) Anthracene	17.26	178	52917	0.42	ng/ul	99
17) Fluoranthene	19.19	202	65320	0.39	ng/ul	98
19) Pyrene	19.55	202	66058	0.41	ng/ul	99
20) Benzo(a)anthracene	21.31	228	59370	0.43	ng/ul	99
21) Chrysene	21.36	228	62026	0.40	ng/ul	99
23) Benzo(b)fluoranthene	22.91	252	67770	0.41	ng/ul	96
24) Benzo(k)fluoranthene	22.95	252	56666	0.36	ng/ul	98
25) Benzo(a)pyrene	23.48	252	60382	0.41	ng/ul	99
26) Indeno(1,2,3-cd)pyrene	25.87	276	69788	0.40	ng/ul#	100
27) Dibenzo(a,h)anthracene	25.88	278	56691	0.40	ng/ul	99
28) Benzo(g,h,i)perylene	26.57	276	60064	0.39	ng/ul	98

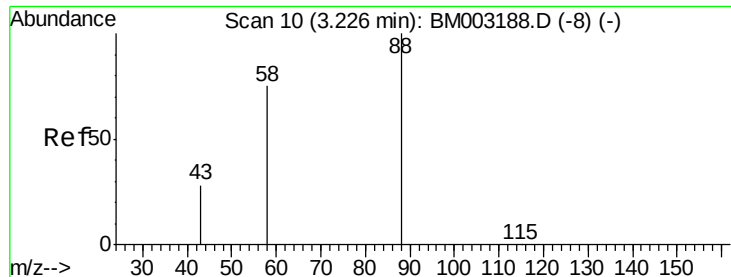
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\HPCHEM1\BNA M\DATA\BM111915\
Data File : BM003193.D
Acq On : 19 Nov 2015 17:04
Operator : UM/IZ
Sample : SSTDCCC0.4
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
SSTD0.454

Quant Time: Nov 20 02:43:01 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 : Fri Nov 20 02:40:36 2015
Response via : Initial Calibration





#3

1,4-Dioxane

Concen: 0.96 ng/ul

RT: 3.23 min Scan# 10

Delta R.T. 0.00 min

Lab File: BM003193.D

Acq: 19 Nov 2015 17:04

Instrument :

BNA_M

ClientSampleId :

SSTD0.454

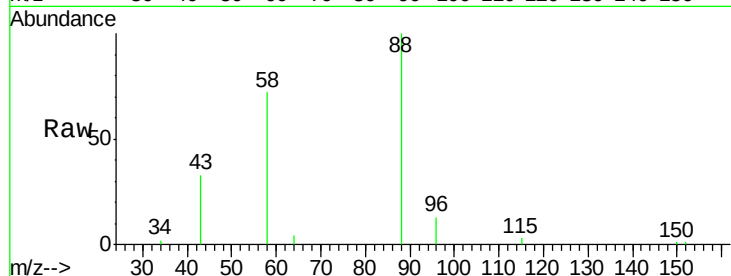
Tot Ion: 88 Resp: 16600

Ion Ratio Lower Upper

88 100

58 59.9 0.0 0.0#

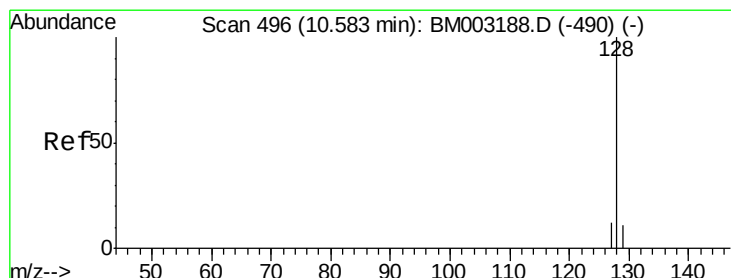
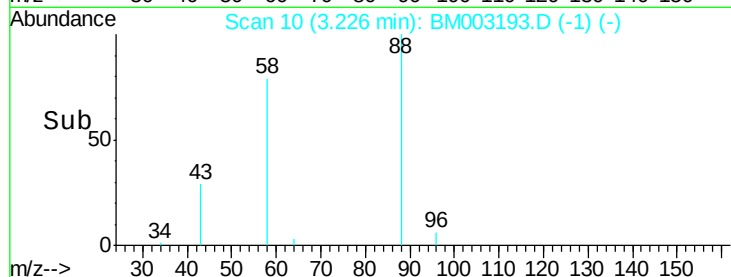
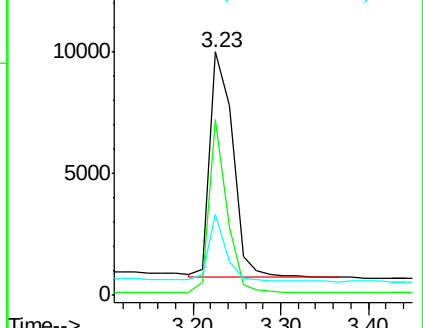
43 24.2 0.0 0.0#



Abundance Ion 88.00 (87.70 to 88.70): BM003188.D (-8) (-)

Ion 58.00 (57.70 to 58.70): BM003188.D (-8) (-)

Ion 43.00 (42.70 to 43.70): BM003188.D (-8) (-)



#5

Naphthalene

Concen: 0.40 ng/ul

RT: 10.58 min Scan# 496

Delta R.T. 0.00 min

Lab File: BM003193.D

Acq: 19 Nov 2015 17:04

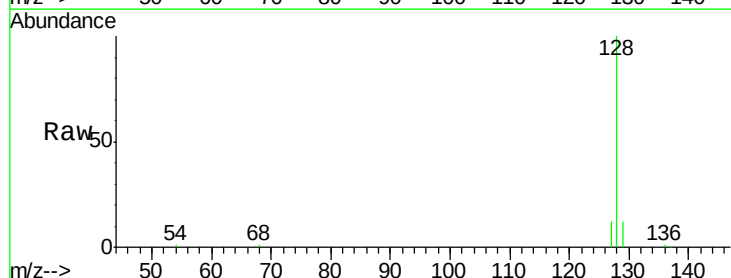
Tgt Ion: 128 Resp: 54389

Ion Ratio Lower Upper

128 100

129 11.6 9.0 13.6

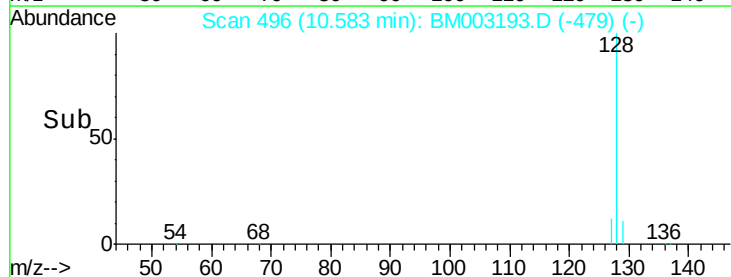
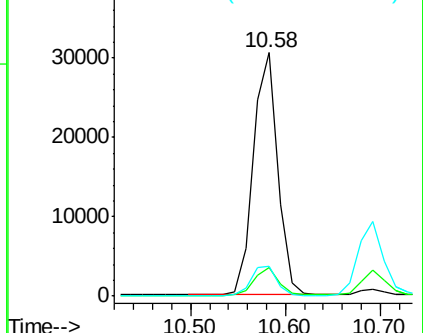
127 12.1 9.6 14.4

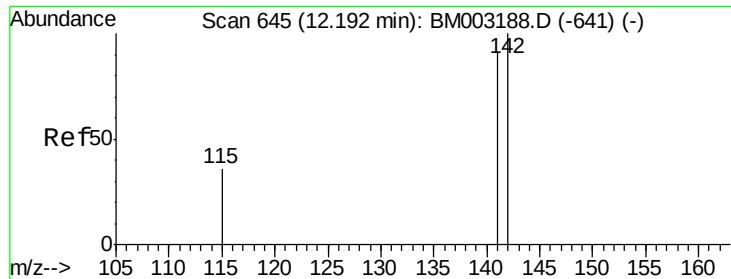


Abundance Ion 128.00 (127.70 to 128.70): BM003188.D (-490) (-)

Ion 129.00 (128.70 to 129.70): BM003188.D (-490) (-)

Ion 127.00 (126.70 to 127.70): BM003188.D (-490) (-)





#7

2-Methylnaphthalene

Concen: 0.41 ng/ul

RT: 12.19 min Scan# 645

Delta R.T. 0.00 min

Lab File: BM003193.D

Acq: 19 Nov 2015 17:04

Instrument :

BNA_M

ClientSampleId :

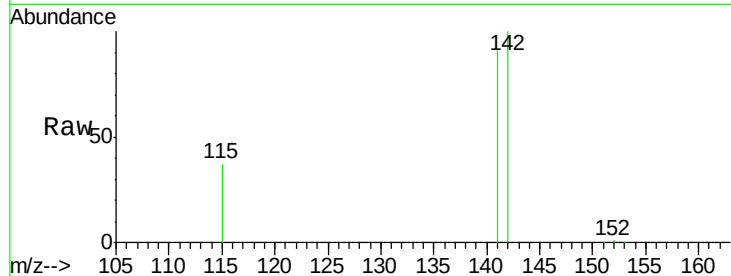
SSTD0.454

Tot Ion:142 Resp: 36396

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

12.19

25000

20000

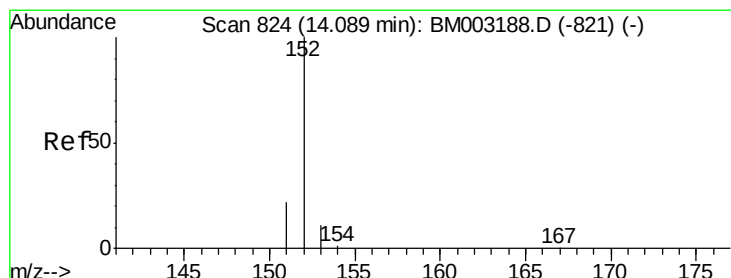
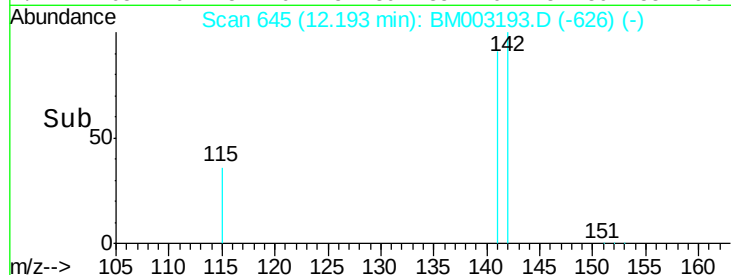
15000

10000

5000

0

Time--> 12.10 12.20 12.30 12.40



#9

Acenaphthylene

Concen: 0.43 ng/ul

RT: 14.09 min Scan# 824

Delta R.T. 0.00 min

Lab File: BM003193.D

Acq: 19 Nov 2015 17:04

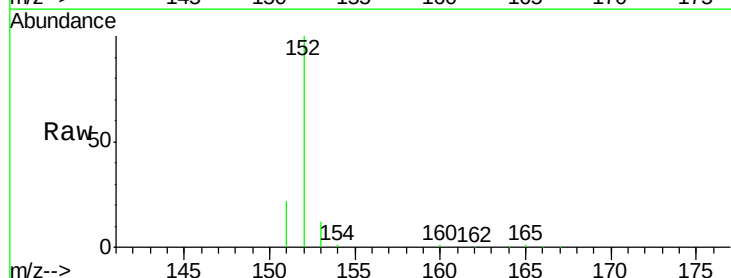
Tgt Ion:152 Resp: 45876

Ion Ratio Lower Upper

152 100

151 22.0 17.6 26.4

153 11.9 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

14.09

30000

25000

20000

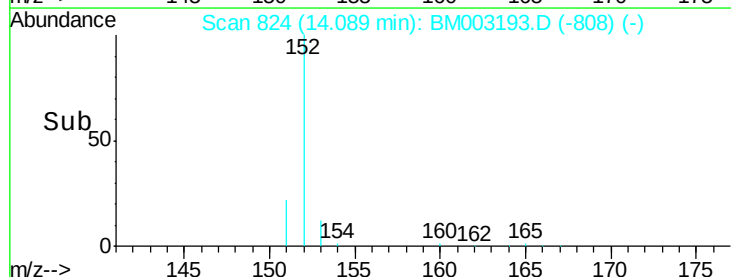
15000

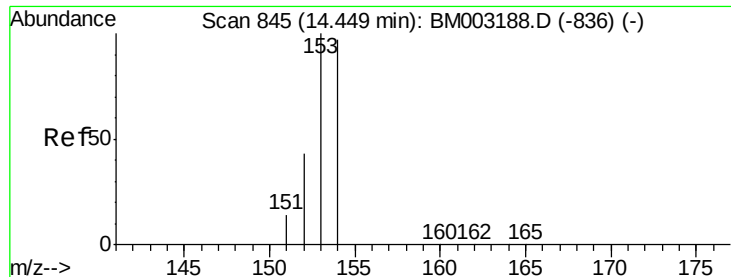
10000

5000

0

Time--> 14.00 14.10 14.20





#10

Acenaphthene

Concen: 0.41 ng/ul

RT: 14.45 min Scan# 845

Delta R.T. 0.00 min

Lab File: BM003193.D

Acq: 19 Nov 2015 17:04

Instrument :

BNA_M

ClientSampleId :

SSTD0.454

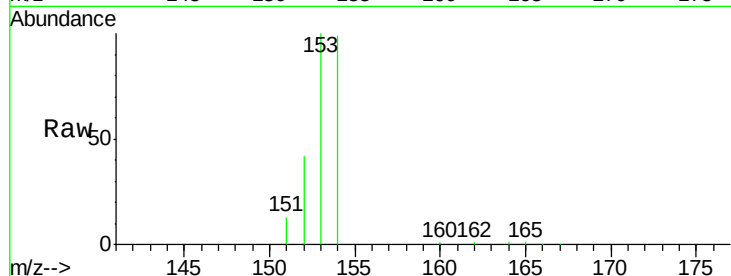
Tot Ion:153 Resp: 36117

Ion Ratio Lower Upper

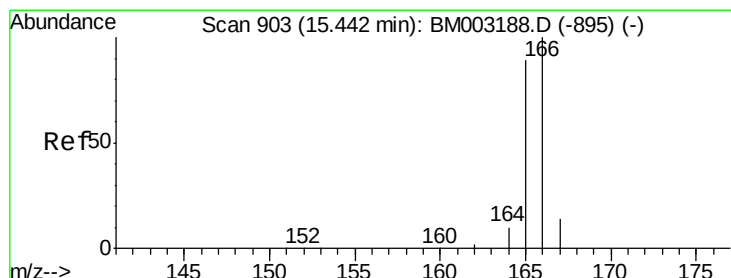
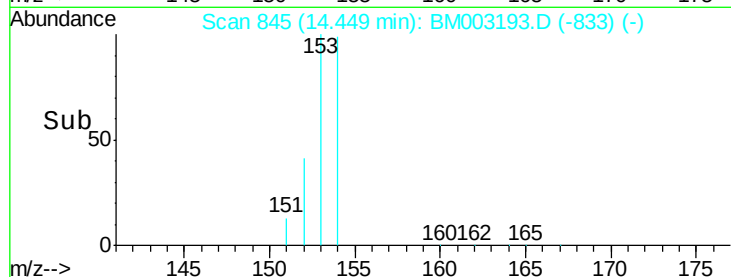
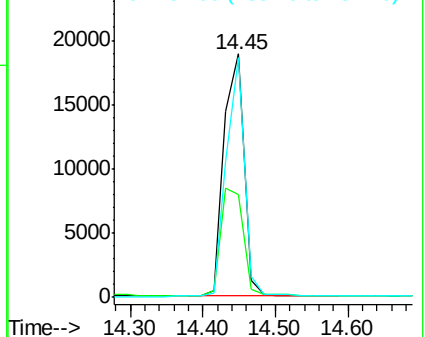
153 100

152 42.3 33.9 50.9

154 98.6 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: 0.41 ng/ul

RT: 15.44 min Scan# 903

Delta R.T. 0.00 min

Lab File: BM003193.D

Acq: 19 Nov 2015 17:04

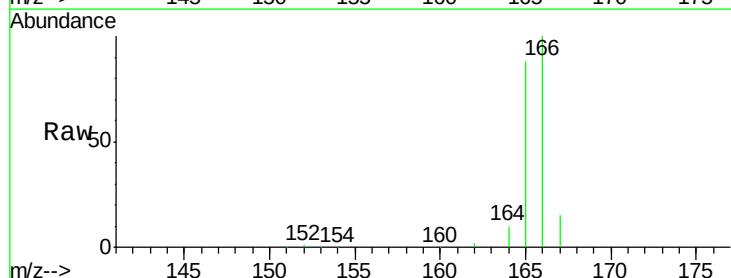
Tgt Ion:166 Resp: 39145

Ion Ratio Lower Upper

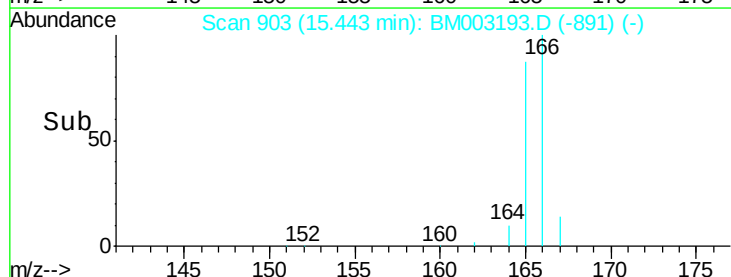
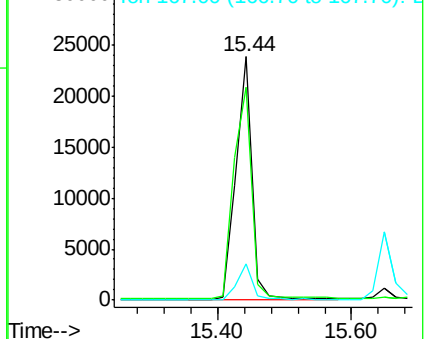
166 100

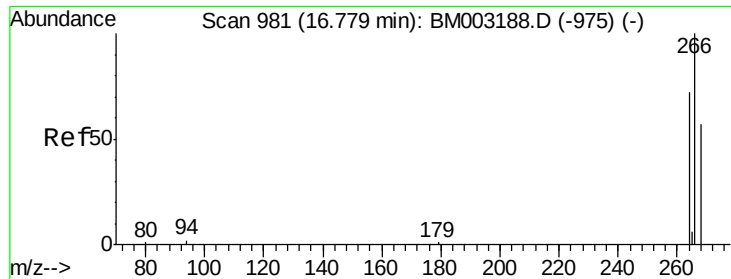
165 87.7 69.6 104.4

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

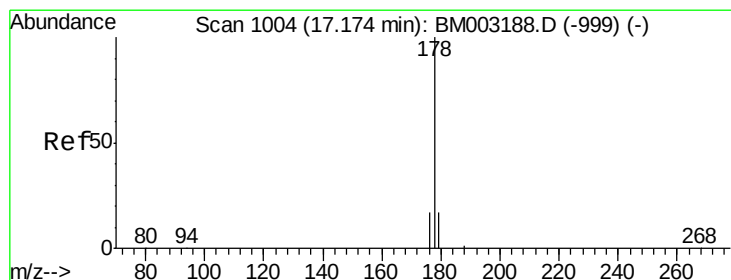
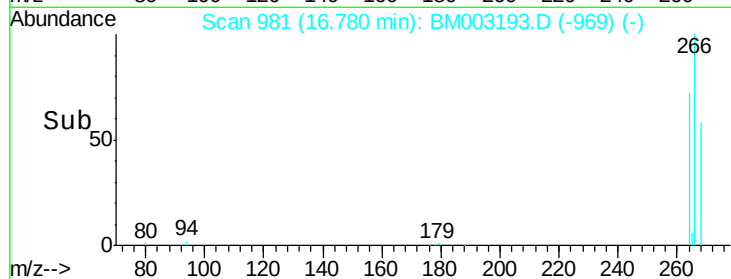
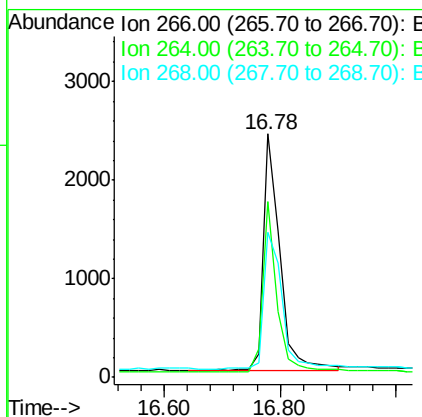
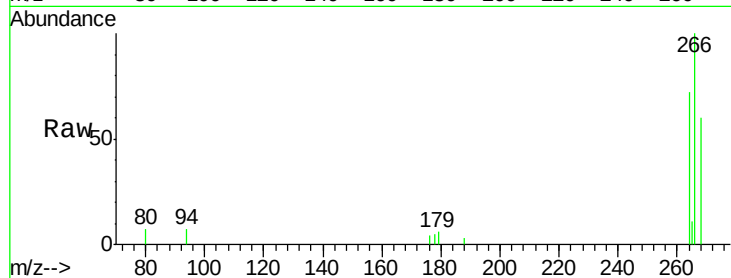




#13
 Pentachlorophenol
 Concen: 0.39 ng/ul
 RT: 16.78 min Scan# 981
 Delta R.T. 0.00 min
 Lab File: BM003193.D
 Acq: 19 Nov 2015 17:04

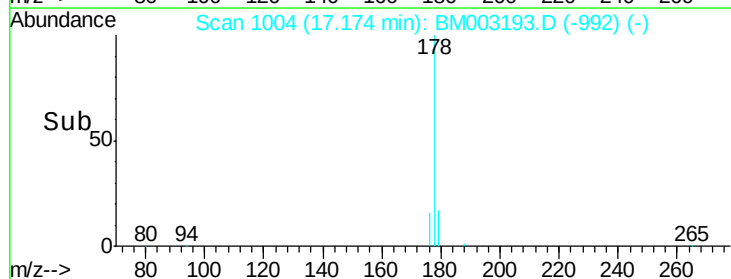
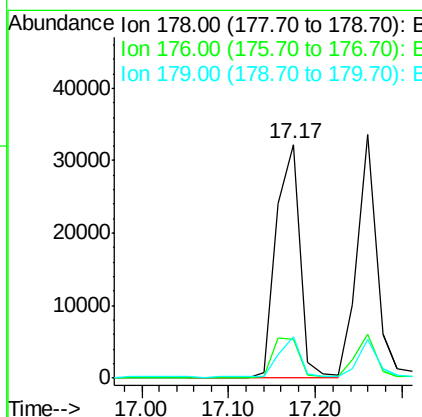
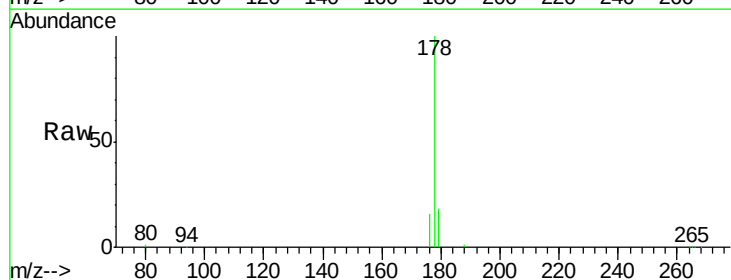
Instrument :
 BNA_M
 ClientSampleId :
 SST0.454

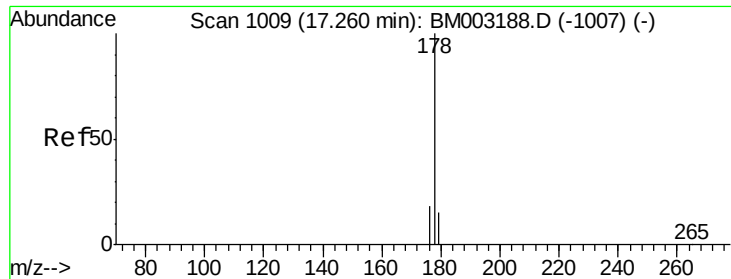
Tot Ion:266 Resp: 4749
 Ion Ratio Lower Upper
 266 100
 264 64.1 0.3 0.5#
 268 64.5 0.0 0.0#



#14
 Phenanthrene
 Concen: 0.41 ng/ul
 RT: 17.17 min Scan# 1004
 Delta R.T. 0.00 min
 Lab File: BM003193.D
 Acq: 19 Nov 2015 17:04

Tgt Ion:178 Resp: 61331
 Ion Ratio Lower Upper
 178 100
 176 16.4 13.0 19.4
 179 17.6 14.2 21.2





#15

Anthracene

Concen: 0.42 ng/ul

RT: 17.26 min Scan# 1009

Delta R.T. 0.00 min

Lab File: BM003193.D

Acq: 19 Nov 2015 17:04

Instrument :

BNA_M

ClientSampleId :

SSTD0.454

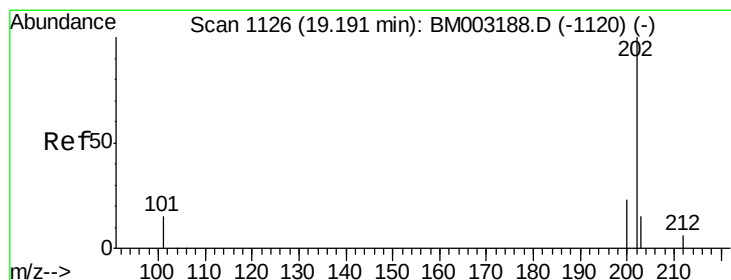
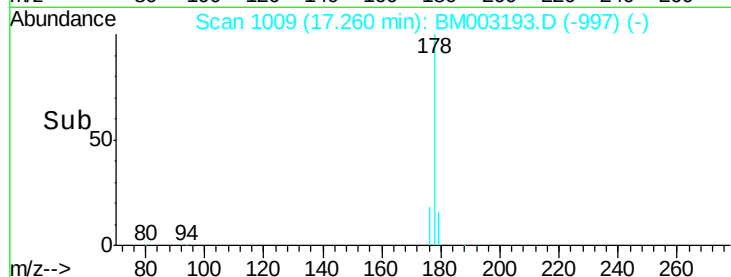
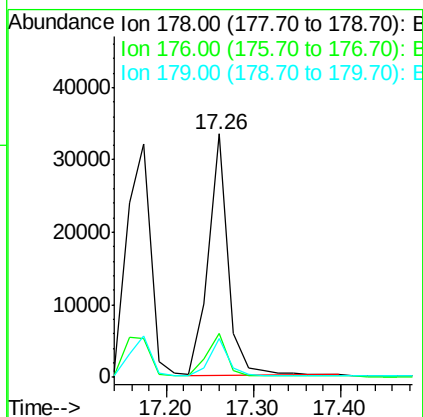
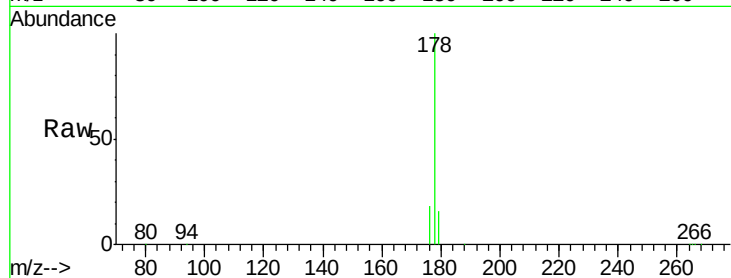
Tot Ion:178 Resp: 52917

Ion Ratio Lower Upper

178 100

176 17.9 14.0 21.0

179 16.2 12.9 19.3



#17

Fluoranthene

Concen: 0.39 ng/ul

RT: 19.19 min Scan# 1126

Delta R.T. 0.00 min

Lab File: BM003193.D

Acq: 19 Nov 2015 17:04

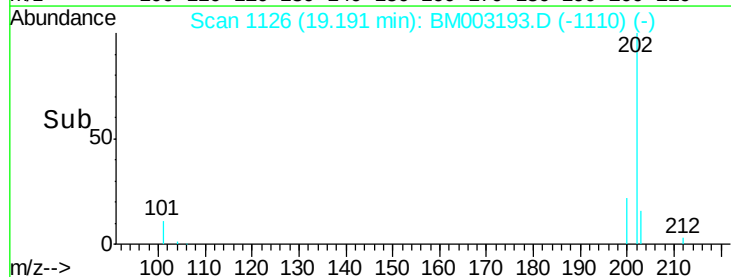
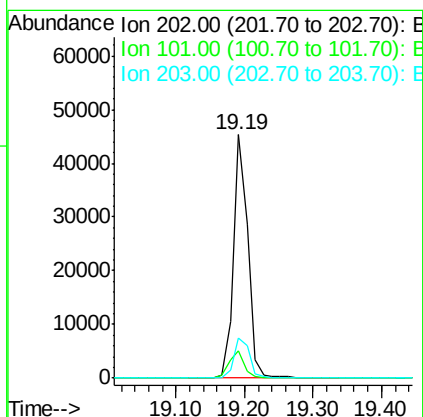
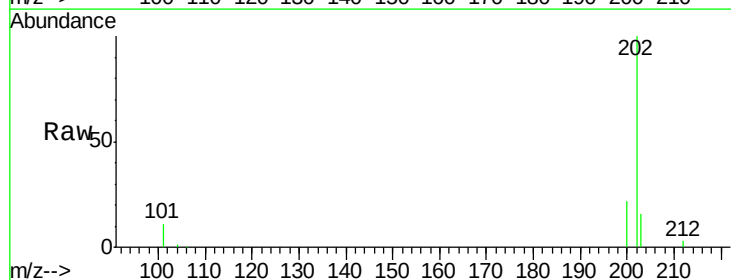
Tgt Ion:202 Resp: 65320

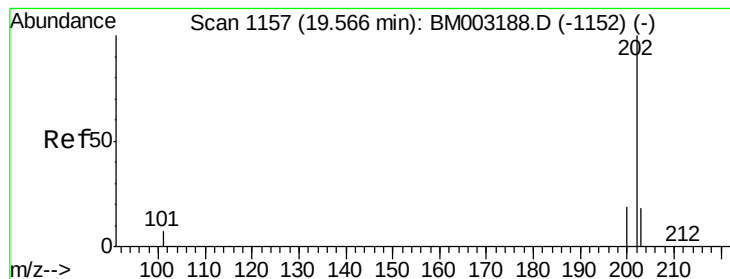
Ion Ratio Lower Upper

202 100

101 11.4 0.0 29.6

203 16.2 0.0 36.3





#19

Pvrene

Concen: 0.41 ng/ul

RT: 19.55 min Scan# 1156

Delta R.T. -0.01 min

Lab File: BM003193.D

Acq: 19 Nov 2015 17:04

Instrument :

BNA_M

ClientSampled :

SSTD0.454

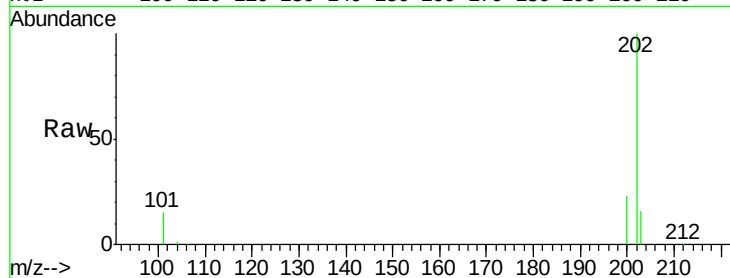
Tot Ion:202 Resp: 66058

Ion Ratio Lower Upper

202 100

200 22.7 17.8 26.8

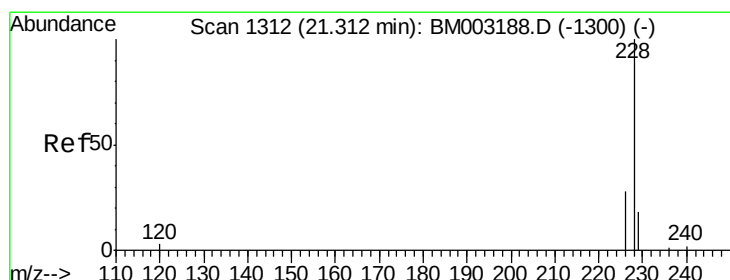
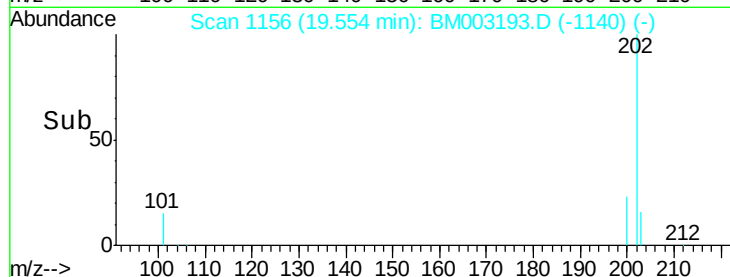
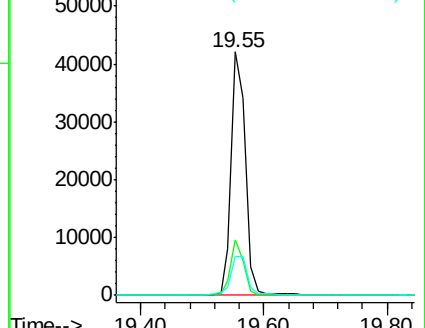
203 15.9 12.8 19.2



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: 0.43 ng/ul

RT: 21.31 min Scan# 1312

Delta R.T. 0.00 min

Lab File: BM003193.D

Acq: 19 Nov 2015 17:04

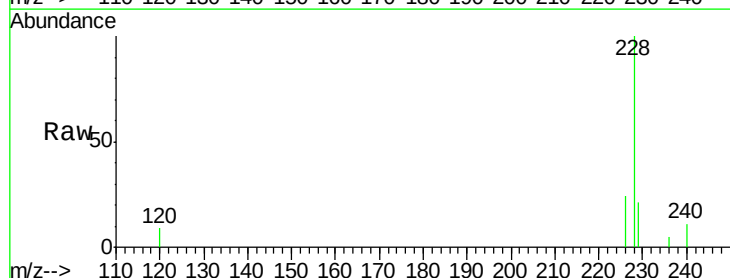
Tgt Ion:228 Resp: 59370

Ion Ratio Lower Upper

228 100

226 24.3 18.8 28.2

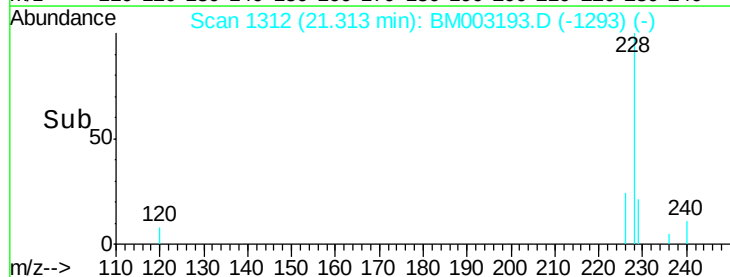
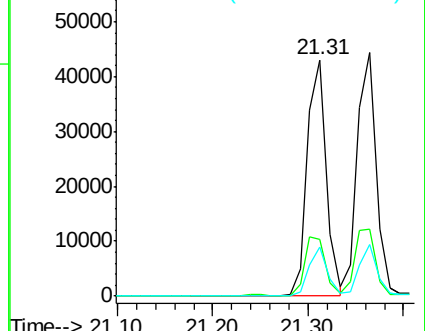
229 21.0 17.1 25.7

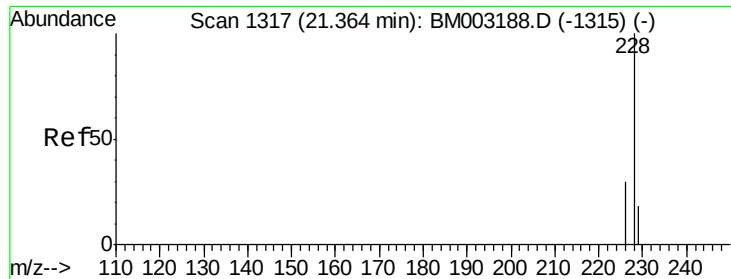


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#21

Chrysene

Concen: 0.40 ng/ul

RT: 21.36 min Scan# 1317

Delta R.T. 0.00 min

Lab File: BM003193.D

Acq: 19 Nov 2015 17:04

Instrument :

BNA_M

ClientSampleId :

SSTD0.454

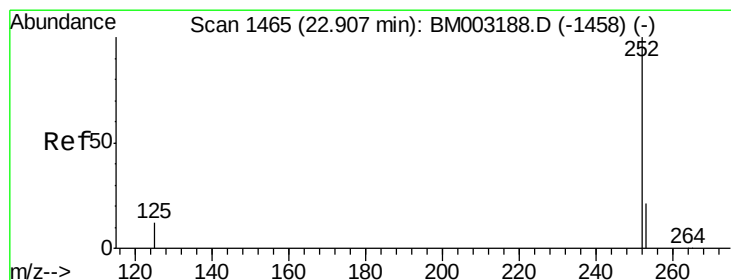
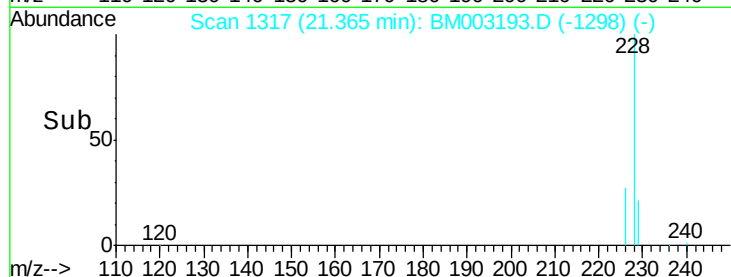
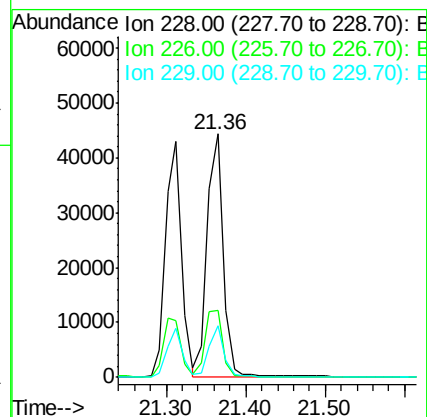
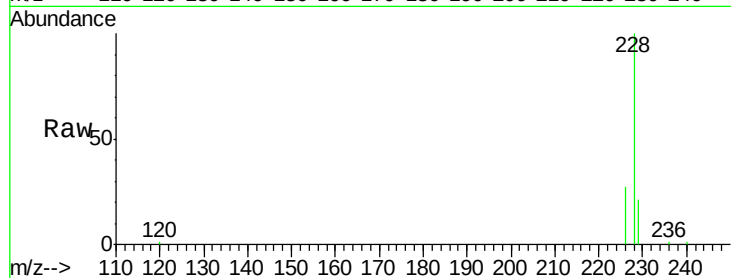
Tot Ion:228 Resp: 62026

Ion Ratio Lower Upper

228 100

226 27.3 21.2 31.8

229 21.0 17.0 25.6



#23

Benzo(b)fluoranthene

Concen: 0.41 ng/ul

RT: 22.91 min Scan# 1465

Delta R.T. 0.00 min

Lab File: BM003193.D

Acq: 19 Nov 2015 17:04

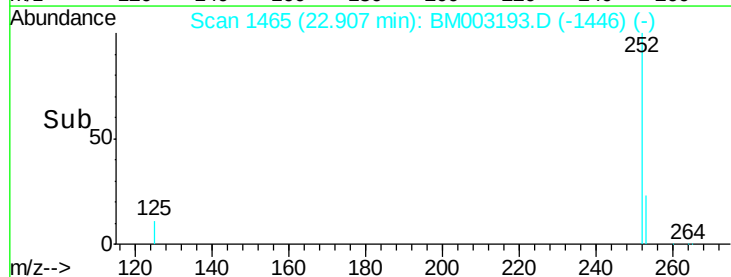
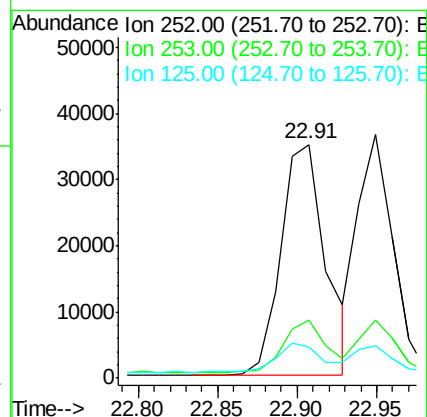
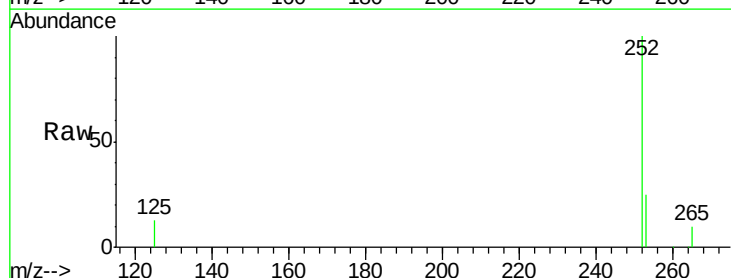
Tgt Ion:252 Resp: 67770

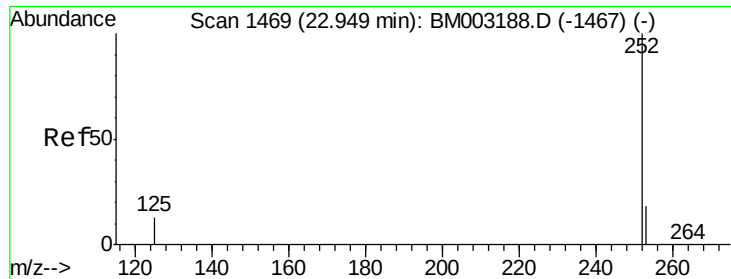
Ion Ratio Lower Upper

252 100

253 24.9 0.0 45.4

125 13.4 0.0 28.8

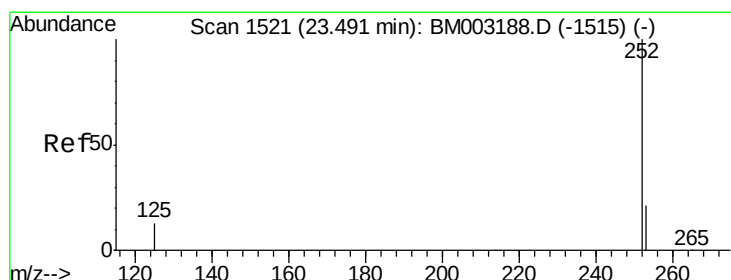
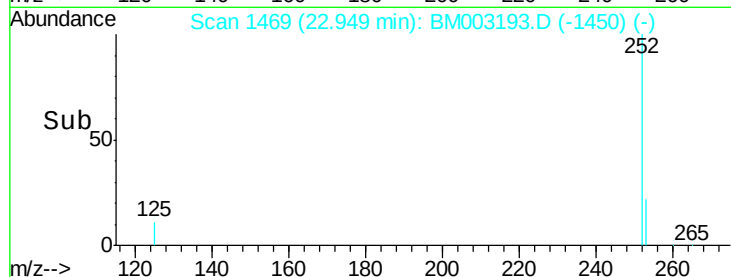
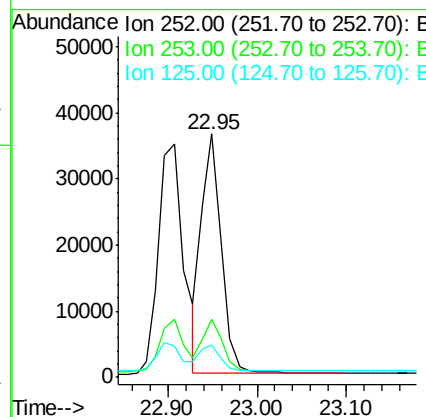
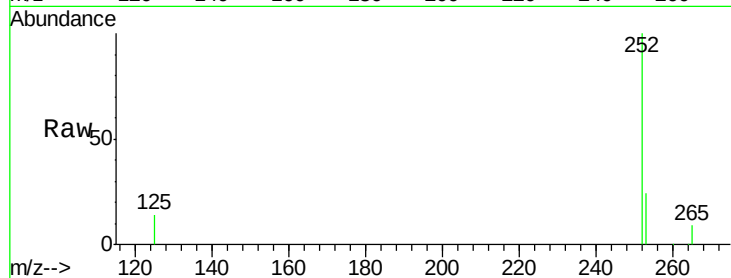




#24
Benzo(k)fluoranthene
Concen: 0.36 ng/ul
RT: 22.95 min Scan# 1469
Delta R.T. 0.00 min
Lab File: BM003193.D
Acq: 19 Nov 2015 17:04

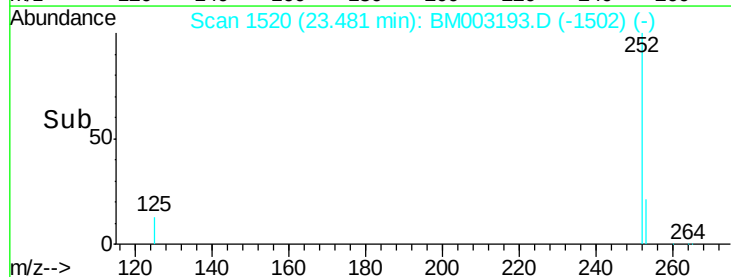
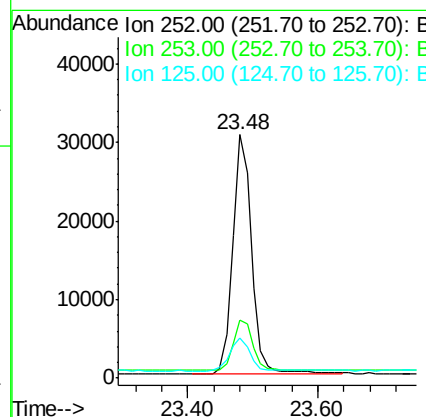
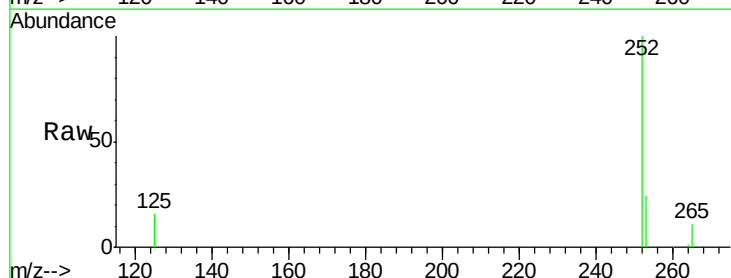
Instrument :
BNA_M
ClientSampleId :
SSTD0.454

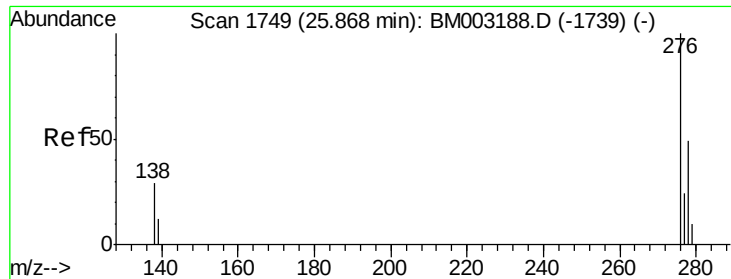
Tot Ion:252 Resp: 56666
Ion Ratio Lower Upper
252 100
253 23.7 19.8 29.8
125 13.6 10.4 15.6



#25
Benzo(a)pyrene
Concen: 0.41 ng/ul
RT: 23.48 min Scan# 1520
Delta R.T. -0.01 min
Lab File: BM003193.D
Acq: 19 Nov 2015 17:04

Tgt Ion:252 Resp: 60382
Ion Ratio Lower Upper
252 100
253 23.8 19.4 29.2
125 16.2 12.7 19.1

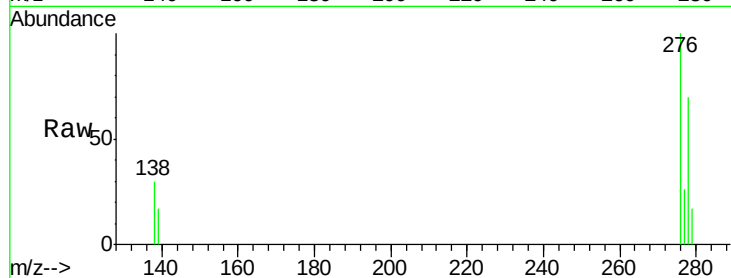




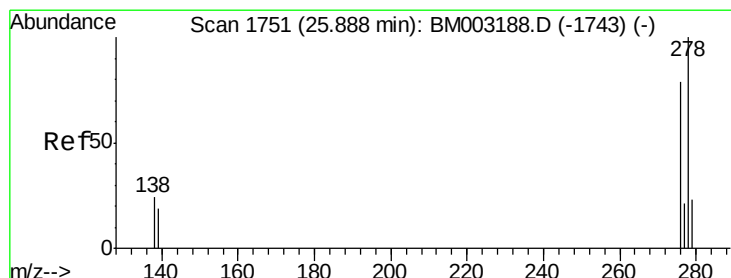
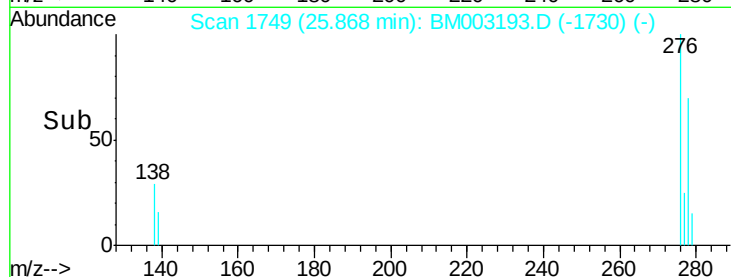
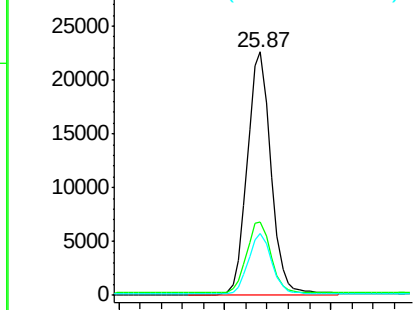
#26
 Indeno(1,2,3-cd)pyrene
 Concen: 0.40 ng/ul
 RT: 25.87 min Scan# 1749
 Delta R.T. 0.00 min
 Lab File: BM003193.D
 Acq: 19 Nov 2015 17:04

Instrument :
 BNA_M
 ClientSampleId :
 SST0.454

Tot Ion:276 Resp: 69788
 Ion Ratio Lower Upper
 276 100
 138 30.0 0.0 0.0#
 277 24.8 0.0 0.0#

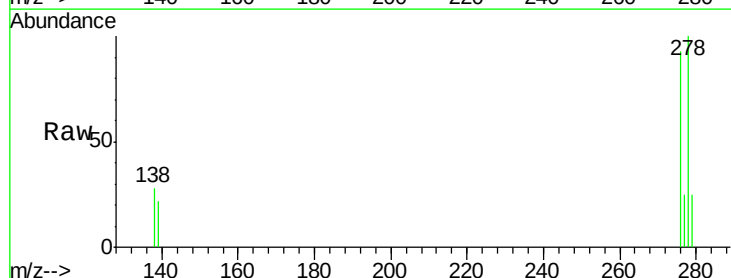


Abundance Ion 276.00 (275.70 to 276.70): E
 Ion 138.00 (137.70 to 138.70): E
 Ion 277.00 (276.70 to 277.70): E

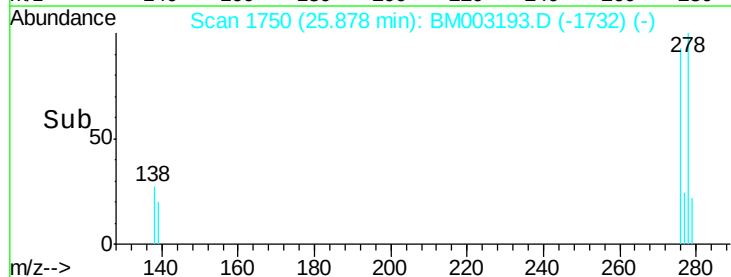
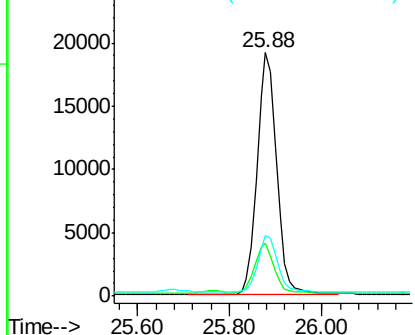


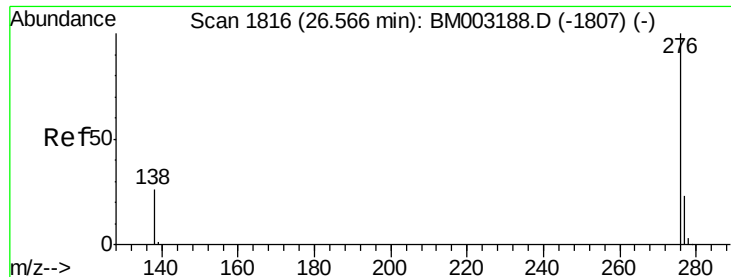
#27
 Dibenzo(a,h)anthracene
 Concen: 0.40 ng/ul
 RT: 25.88 min Scan# 1750
 Delta R.T. -0.01 min
 Lab File: BM003193.D
 Acq: 19 Nov 2015 17:04

Tgt Ion:278 Resp: 56691
 Ion Ratio Lower Upper
 278 100
 139 21.6 16.4 24.6
 279 24.8 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(a,h,i)perylene

Concen: 0.39 ng/ul

RT: 26.57 min Scan# 1816

Delta R.T. 0.00 min

Lab File: BM003193.D

Acq: 19 Nov 2015 17:04

Instrument :

BNA_M

ClientSampleId :

SSTD0.454

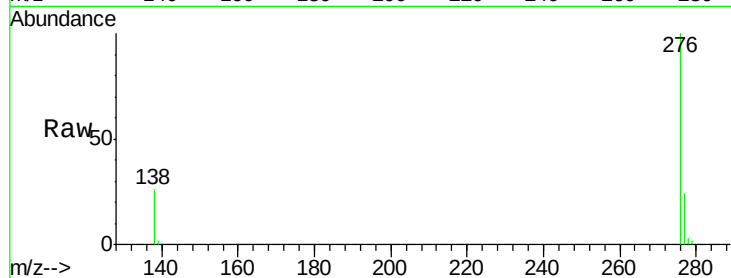
Tot Ion:276 Resp: 60064

Ion Ratio Lower Upper

276 100

277 24.2 18.9 28.3

138 26.2 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

