

Data Path : Z:\HPCHEM1\BNA M\DATA\BM092215\
 Data File : BM002700.D
 Acq On : 22 Sep 2015 17:28
 Operator : UM/IZ
 Sample : SSTDCCC0.4
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 SSTD0.475

Quant Time: Sep 23 03:38:40 2015
 Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM02.2-EPA-SIM-BM90315.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Sat Sep 12 01:57:16 2015
 Response via : Initial Calibration

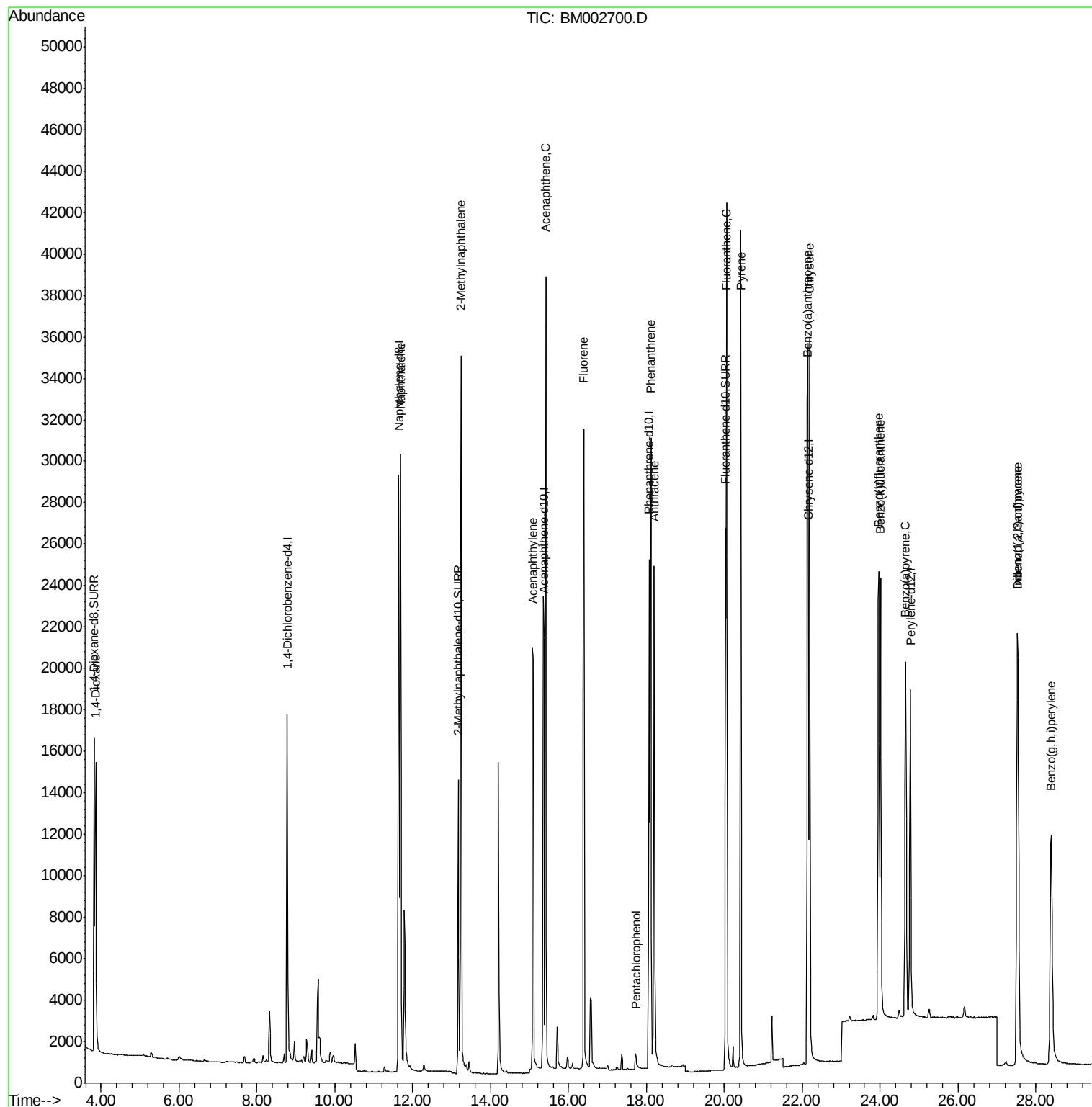
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.78	152	12683	0.40	ng/ul	0.00
4) Naphthalene-d8	11.64	136	45212	0.40	ng/ul	0.00
8) Acenaphthene-d10	15.36	164	18235	0.40	ng/ul	0.00
12) Phenanthrene-d10	18.06	188	33608	0.40	ng/ul	0.00
18) Chrysene-d12	22.16	240	28701	0.40	ng/ul	0.00
22) Perylene-d12	24.77	264	26706	0.40	ng/ul	0.00
System Monitoring Compounds						
2) 1,4-Dioxane-d8	3.82	96	11532	0.90	ng/uL	0.00
6) 2-Methylnaphthalene-d10	13.16	152	21350	0.35	ng/ul	-0.01
16) Fluoranthene-d10	20.03	212	30579	0.40	ng/ul	0.00
Target Compounds				Ovalue		
3) 1,4-Dioxane	3.87	88	12960	0.88	ng/ul	97
5) Naphthalene	11.69	128	44373	0.38	ng/ul	97
7) 2-Methylnaphthalene	13.23	142	27407	0.35	ng/ul	98
9) Acenaphthylene	15.07	152	35130	0.36	ng/ul	96
10) Acenaphthene	15.42	153	25181	0.37	ng/ul	87
11) Fluorene	16.39	166	25114	0.35	ng/ul	84
13) Pentachlorophenol	17.72	266	1066	0.33	ng/ul	96
14) Phenanthrene	18.11	178	37580	0.37	ng/ul	96
15) Anthracene	18.20	178	36152	0.36	ng/ul	96
17) Fluoranthene	20.06	202	41099	0.39	ng/ul	99
19) Pyrene	20.42	202	42565	0.39	ng/ul	95
20) Benzo(a)anthracene	22.13	228	33551	0.35	ng/ul	99
21) Chrysene	22.19	228	35463	0.39	ng/ul	96
23) Benzo(b)fluoranthene	23.96	252	34609	0.37	ng/ul	97
24) Benzo(k)fluoranthene	24.01	252	33944	0.38	ng/ul	97
25) Benzo(a)pyrene	24.65	252	31231	0.35	ng/ul	95
26) Indeno(1,2,3-cd)pyrene	27.53	276	29350	0.28	ng/ul	98
27) Dibenzo(a,h)anthracene	27.53	278	21060	0.25	ng/ul	97
28) Benzo(g,h,i)perylene	28.39	276	28535	0.32	ng/ul	97

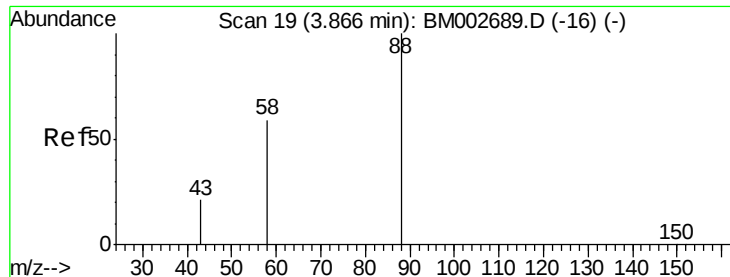
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Sep 23 03:38:40 2015
Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM02.2-EPA-SIM-BM90315.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Sat Sep 12 01:57:16 2015
Response via : Initial Calibration





#3

1,4-Dioxane

Concen: 0.88 ng/ul

RT: 3.87 min Scan# 19

Delta R.T. -0.00 min

Lab File: BM002700.D

Acq: 22 Sep 2015 17:28

Instrument :

BNA_M

ClientSampleId :

SSTD0.475

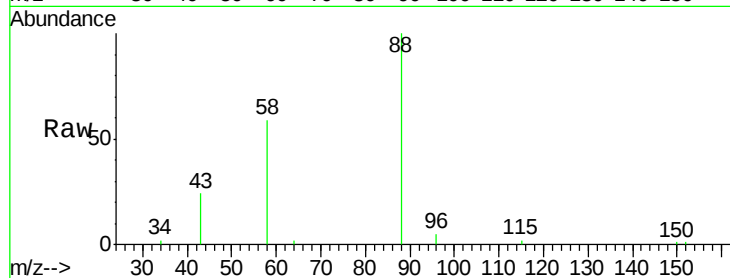
Tot Ion: 88 Resp: 12960

Ion Ratio Lower Upper

88 100

58 72.4 55.4 83.2

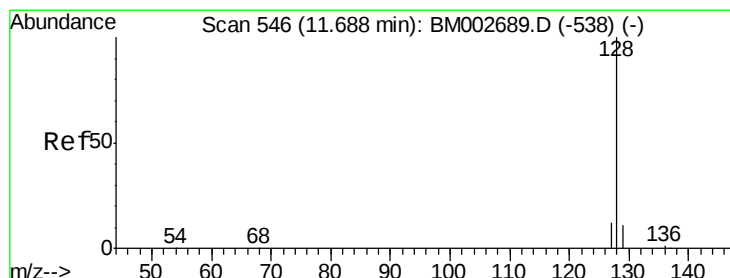
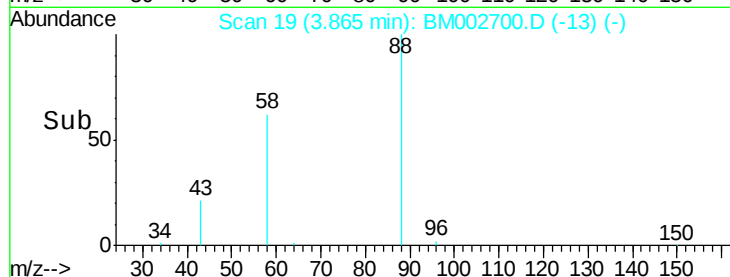
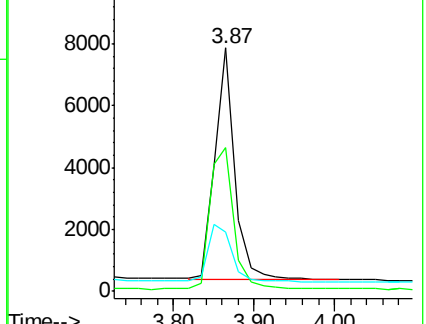
43 29.1 24.2 36.2



Abundance Ion 88.00 (87.70 to 88.70): BM002700.D (-13) (-)

Ion 58.00 (57.70 to 58.70): BM002700.D (-13) (-)

Ion 43.00 (42.70 to 43.70): BM002700.D (-13) (-)



#5

Naphthalene

Concen: 0.38 ng/ul

RT: 11.69 min Scan# 546

Delta R.T. -0.00 min

Lab File: BM002700.D

Acq: 22 Sep 2015 17:28

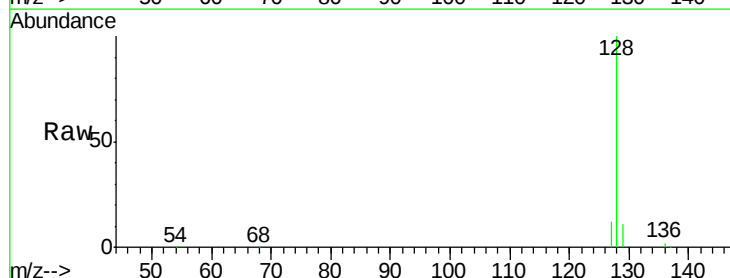
Tgt Ion: 128 Resp: 44373

Ion Ratio Lower Upper

128 100

129 11.3 9.8 14.8

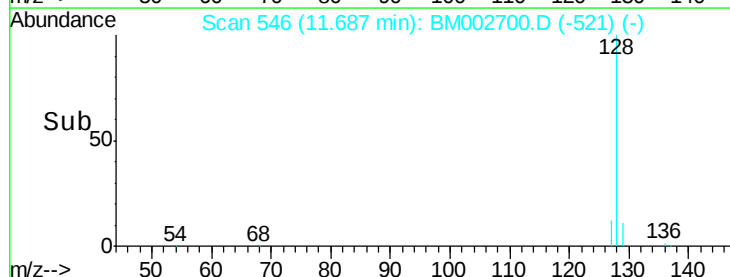
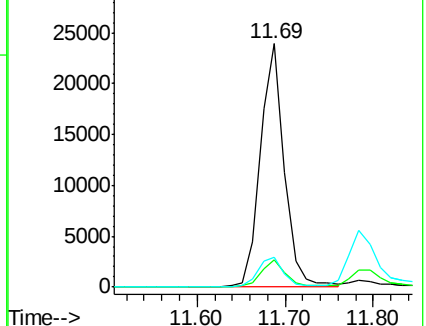
127 12.4 10.7 16.1

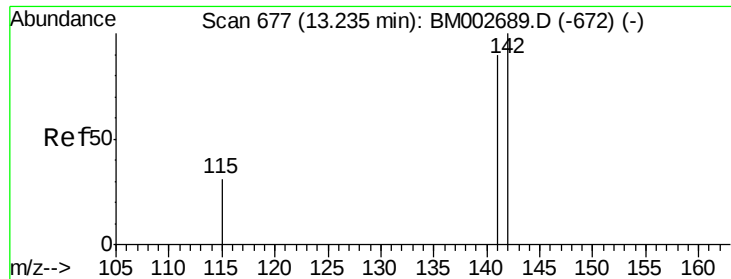


Abundance Ion 128.00 (127.70 to 128.70): BM002700.D (-521) (-)

Ion 129.00 (128.70 to 129.70): BM002700.D (-521) (-)

Ion 127.00 (126.70 to 127.70): BM002700.D (-521) (-)





#7

2-Methylnaphthalene

Concen: 0.35 ng/ul

RT: 13.23 min Scan# 677

Delta R.T. -0.00 min

Lab File: BM002700.D

Acq: 22 Sep 2015 17:28

Instrument :

BNA_M

ClientSampleId :

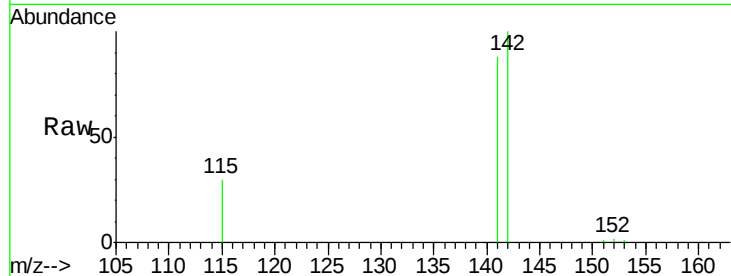
SSTD0.475

Tot Ion:142 Resp: 27407

Ion Ratio Lower Upper

142 100

141 89.8 70.3 105.5



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

13.23

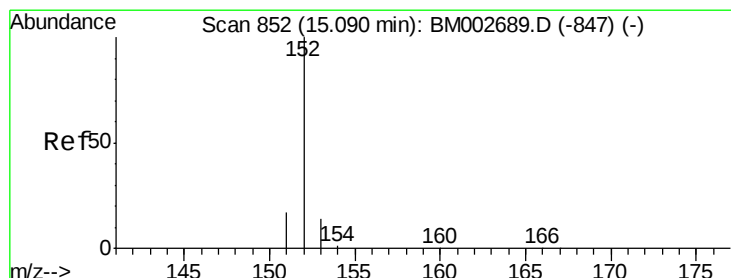
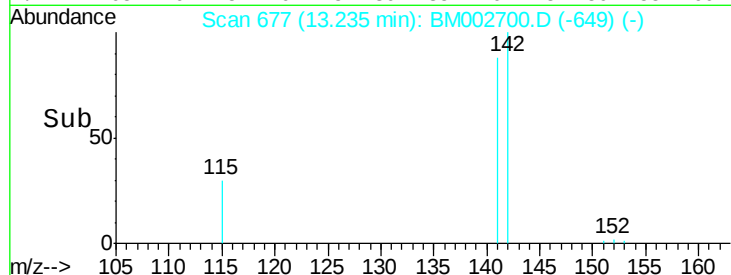
15000

10000

5000

0

Time--> 13.20 13.40



#9

Acenaphthylene

Concen: 0.36 ng/ul

RT: 15.07 min Scan# 851

Delta R.T. -0.02 min

Lab File: BM002700.D

Acq: 22 Sep 2015 17:28

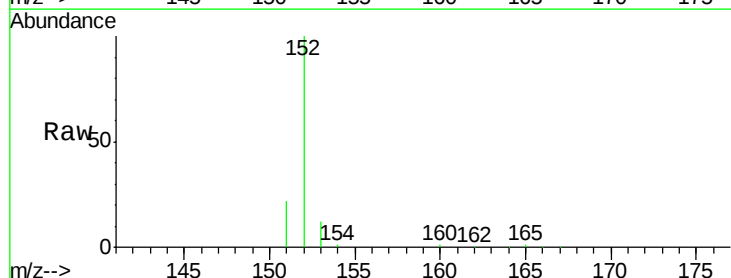
Tgt Ion:152 Resp: 35130

Ion Ratio Lower Upper

152 100

151 22.2 16.8 25.2

153 12.1 11.3 16.9



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

15.07

20000

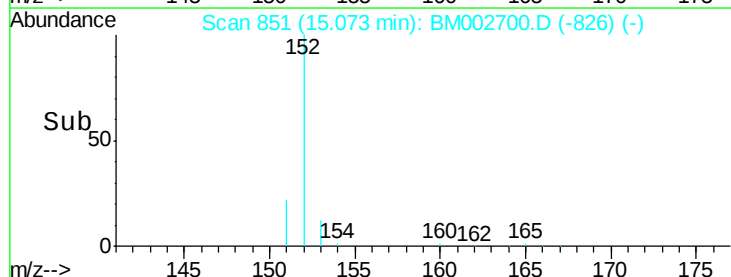
15000

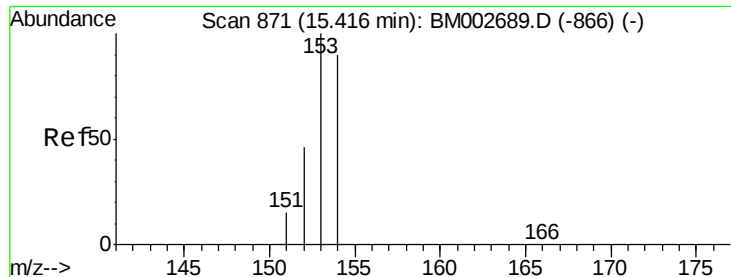
10000

5000

0

Time--> 15.00 15.20 15.40





#10

Acenaphthene

Concen: 0.37 ng/ul

RT: 15.42 min Scan# 871

Delta R.T. -0.00 min

Lab File: BM002700.D

Acq: 22 Sep 2015 17:28

Instrument :

BNA_M

ClientSampleId :

SSTD0.475

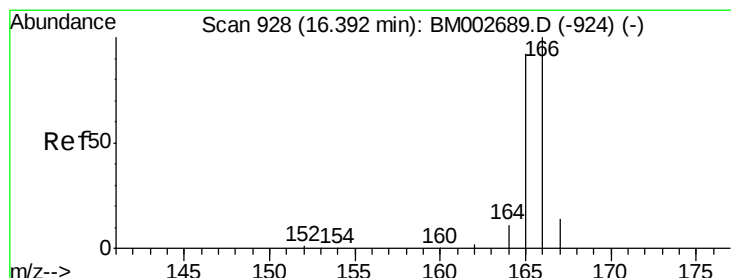
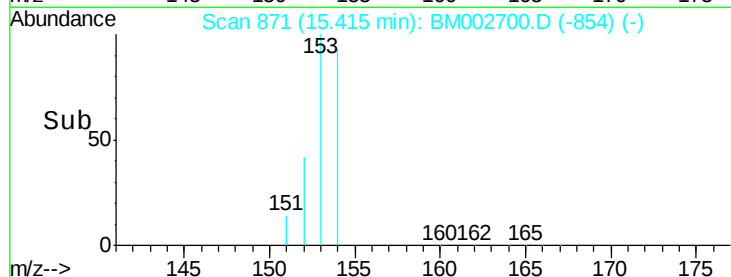
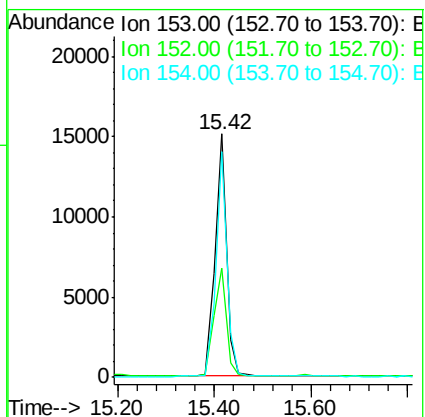
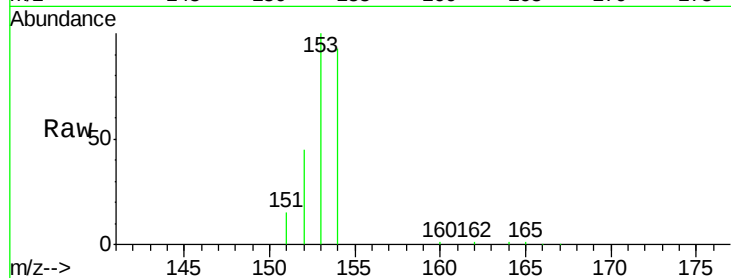
Tot Ion:153 Resp: 25181

Ion Ratio Lower Upper

153 100

152 44.9 42.3 63.5

154 92.9 64.7 97.1



#11

Fluorene

Concen: 0.35 ng/ul

RT: 16.39 min Scan# 928

Delta R.T. -0.00 min

Lab File: BM002700.D

Acq: 22 Sep 2015 17:28

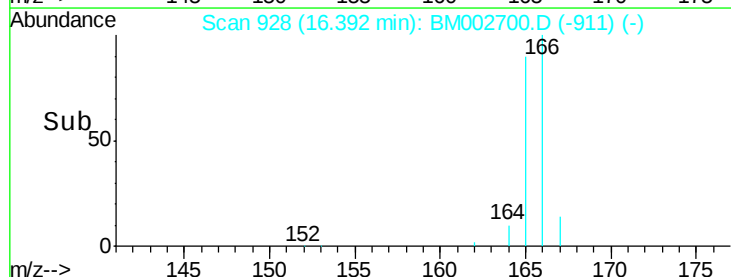
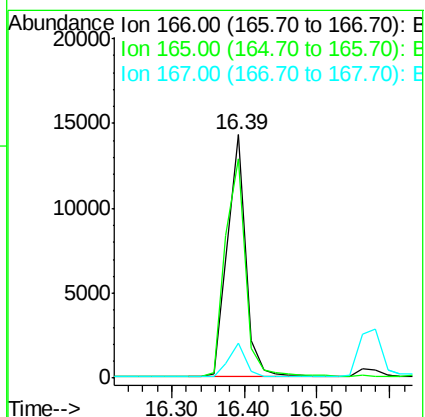
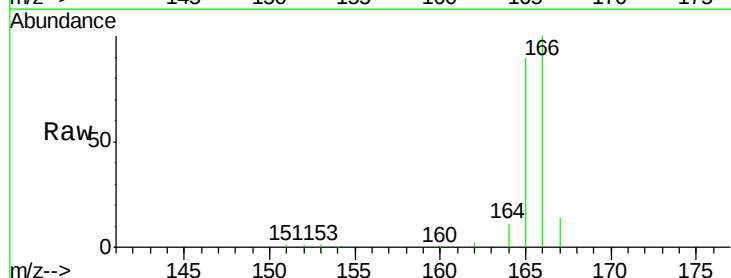
Tgt Ion:166 Resp: 25114

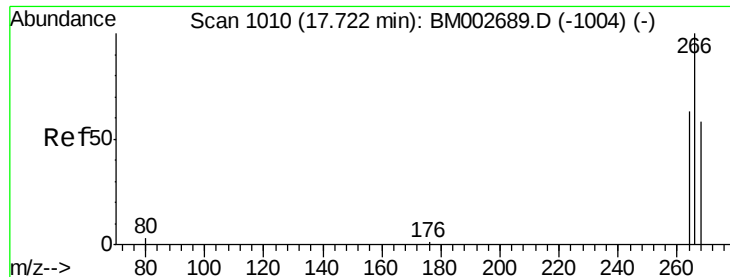
Ion Ratio Lower Upper

166 100

165 90.1 87.6 131.4

167 14.1 11.1 16.7

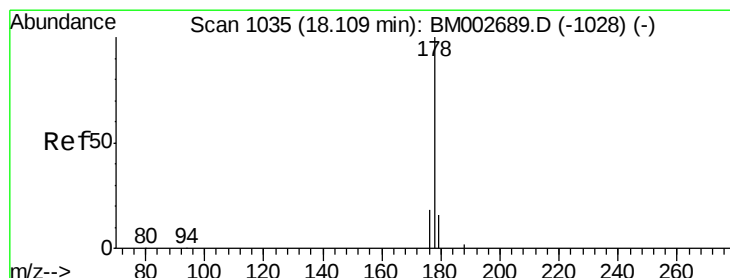
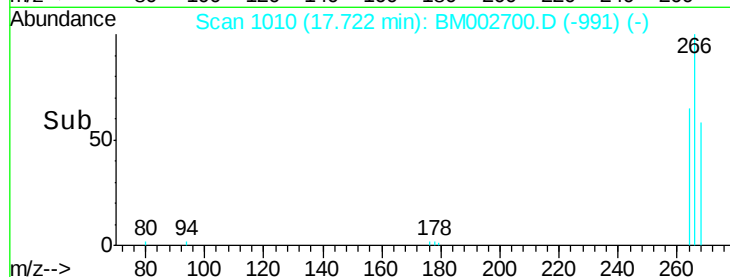
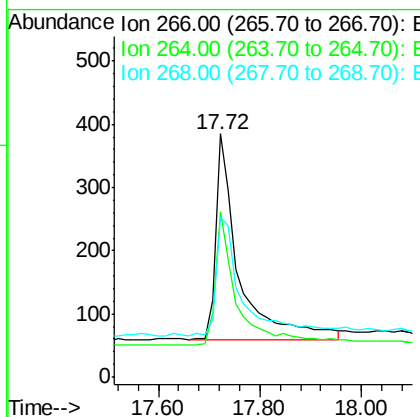
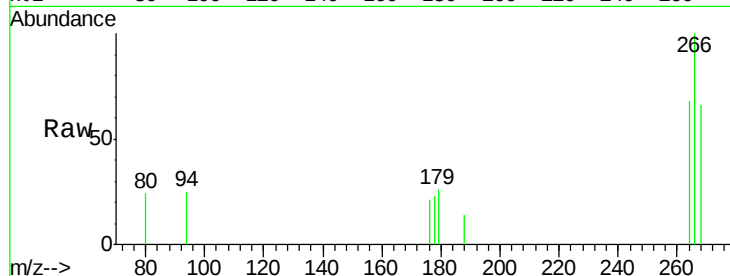




#13
 Pentachlorophenol
 Concen: 0.33 ng/ul
 RT: 17.72 min Scan# 1010
 Delta R.T. -0.00 min
 Lab File: BM002700.D
 Acq: 22 Sep 2015 17:28

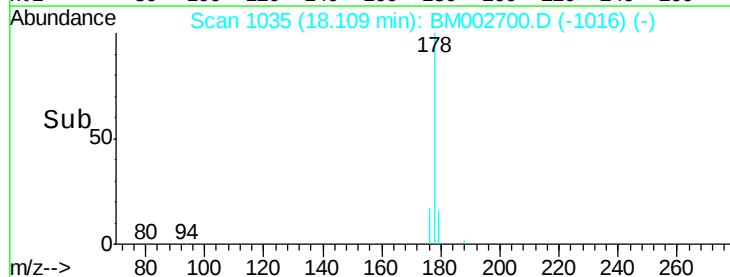
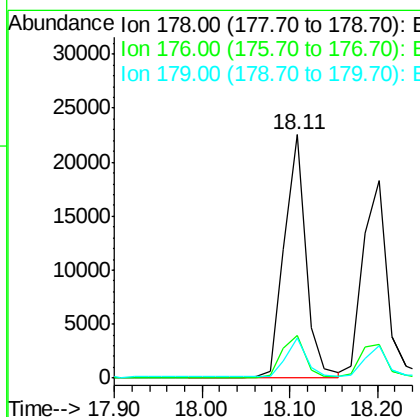
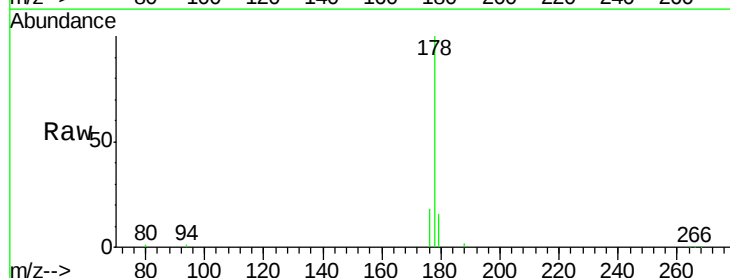
Instrument :
 BNA_M
 ClientSampleId :
 SST0.475

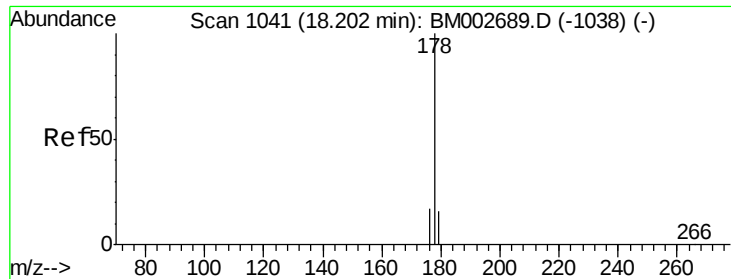
Tot Ion:266 Resp: 1066
 Ion Ratio Lower Upper
 266 100
 264 62.0 53.5 80.3
 268 65.4 54.2 81.2



#14
 Phenanthrene
 Concen: 0.37 ng/ul
 RT: 18.11 min Scan# 1035
 Delta R.T. -0.00 min
 Lab File: BM002700.D
 Acq: 22 Sep 2015 17:28

Tgt Ion:178 Resp: 37580
 Ion Ratio Lower Upper
 178 100
 176 17.5 16.2 24.4
 179 16.3 12.8 19.2





#15

Anthracene

Concen: 0.36 ng/ul

RT: 18.20 min Scan# 1041

Delta R.T. -0.00 min

Lab File: BM002700.D

Acq: 22 Sep 2015 17:28

Instrument :

BNA_M

ClientSampleId :

SSTD0.475

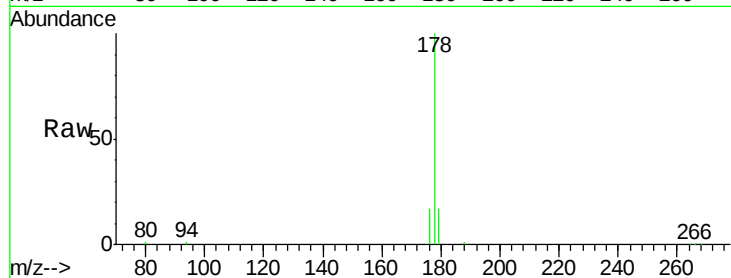
Tot Ion:178 Resp: 36152

Ion Ratio Lower Upper

178 100

176 17.0 15.8 23.8

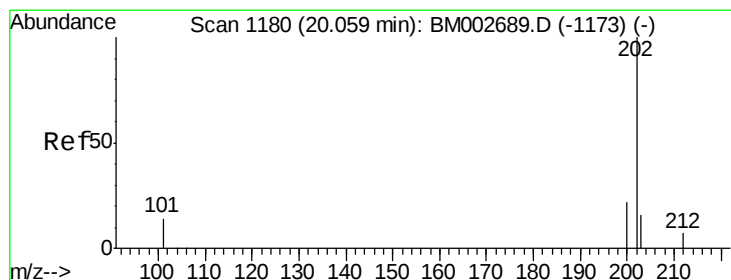
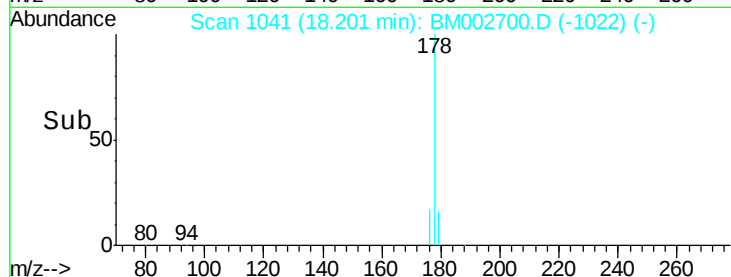
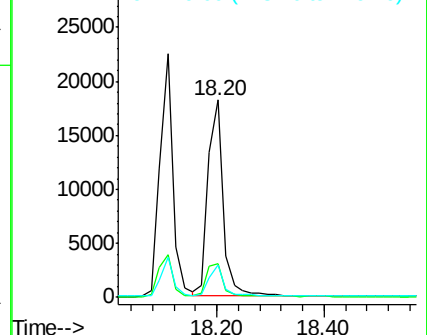
179 16.7 13.3 19.9



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: 0.39 ng/ul

RT: 20.06 min Scan# 1180

Delta R.T. -0.00 min

Lab File: BM002700.D

Acq: 22 Sep 2015 17:28

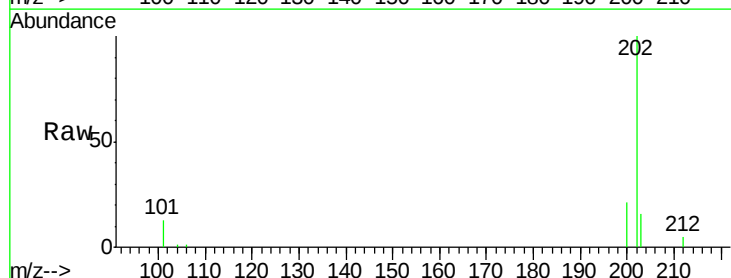
Tgt Ion:202 Resp: 41099

Ion Ratio Lower Upper

202 100

101 13.0 0.0 33.1

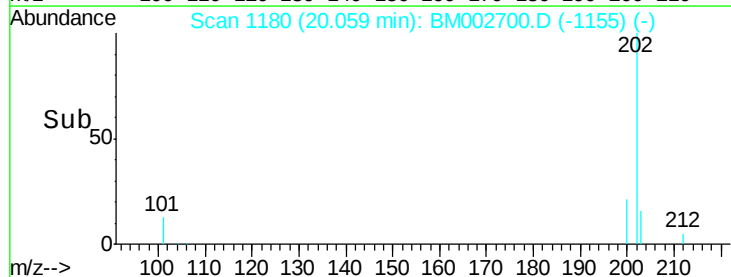
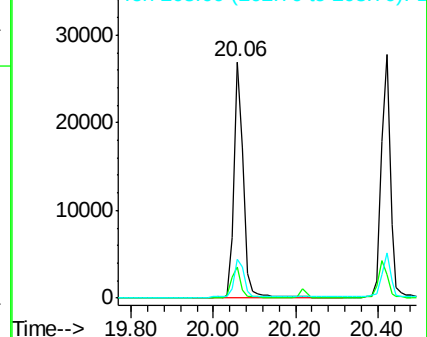
203 16.3 0.0 37.2

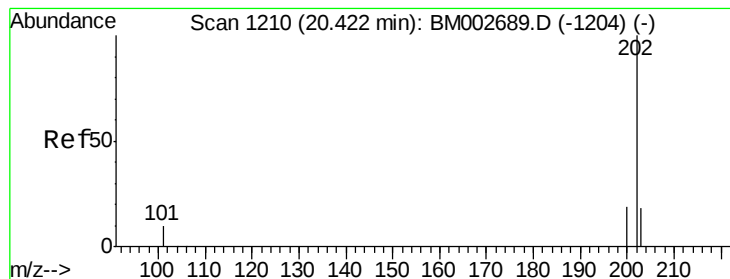


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E





#19

Pvrene

Concen: 0.39 ng/ul

RT: 20.42 min Scan# 1210

Delta R.T. -0.00 min

Lab File: BM002700.D

Acq: 22 Sep 2015 17:28

Instrument :

BNA_M

ClientSampleId :

SSTD0.475

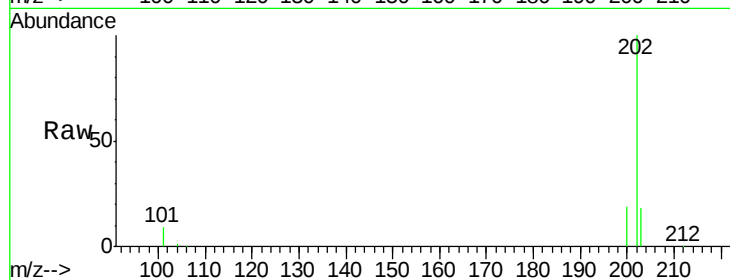
Tot Ion:202 Resp: 42565

Ion Ratio Lower Upper

202 100

200 18.9 18.0 27.0

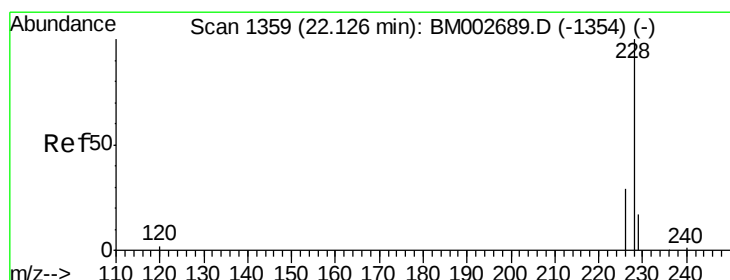
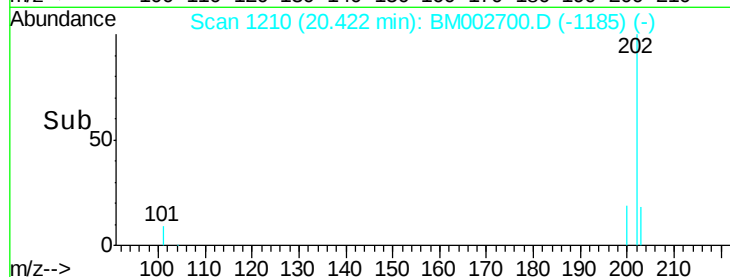
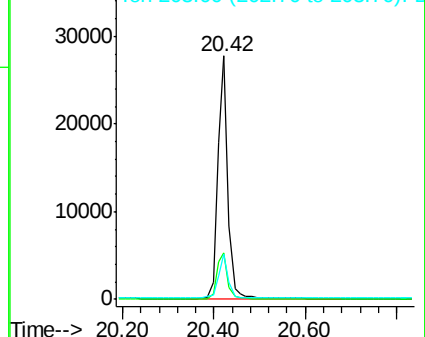
203 18.3 13.8 20.6



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: 0.35 ng/ul

RT: 22.13 min Scan# 1359

Delta R.T. -0.00 min

Lab File: BM002700.D

Acq: 22 Sep 2015 17:28

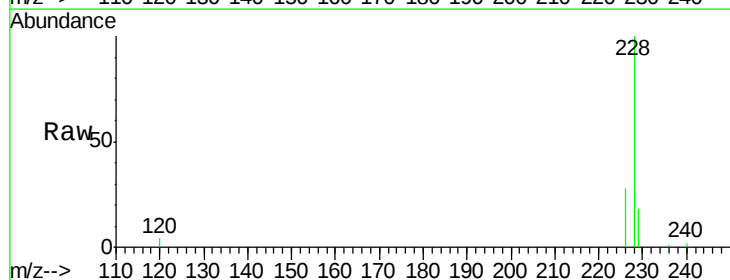
Tgt Ion:228 Resp: 33551

Ion Ratio Lower Upper

228 100

226 28.4 23.0 34.4

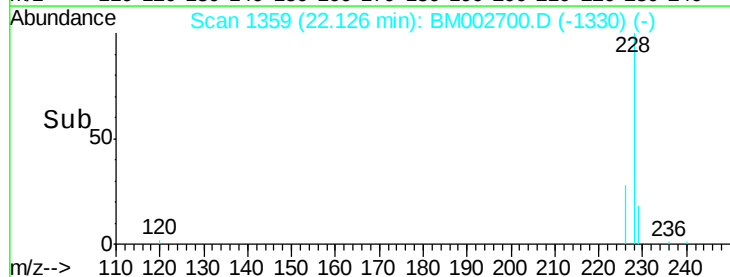
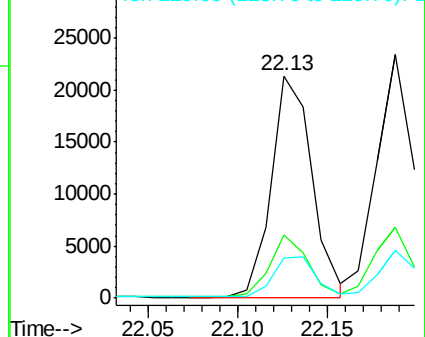
229 18.3 15.2 22.8

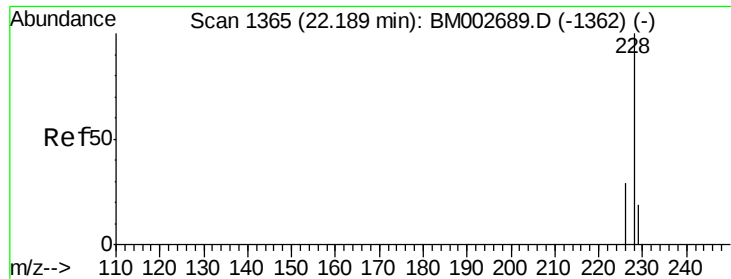


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#21

Chrysene

Concen: 0.39 ng/uL

RT: 22.19 min Scan# 1365

Delta R.T. -0.00 min

Lab File: BM002700.D

Acq: 22 Sep 2015 17:28

Instrument :

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SSTD0.475

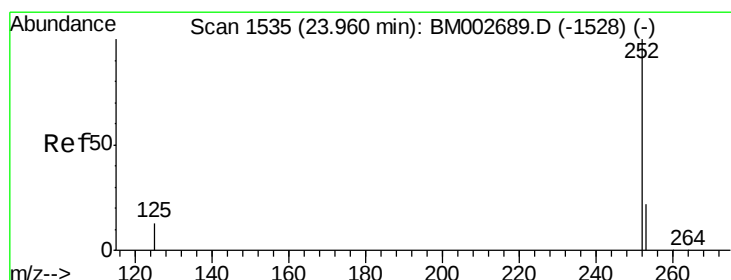
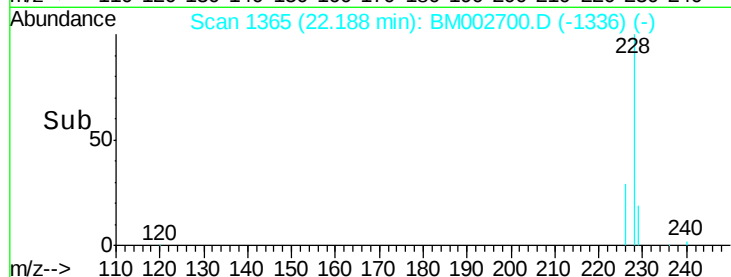
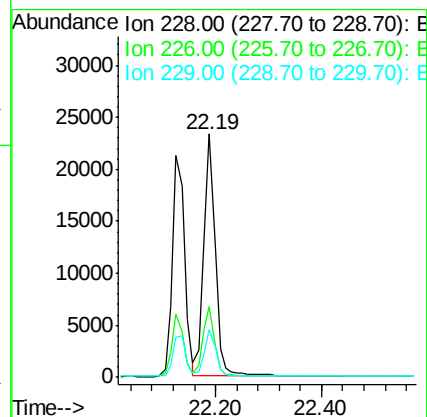
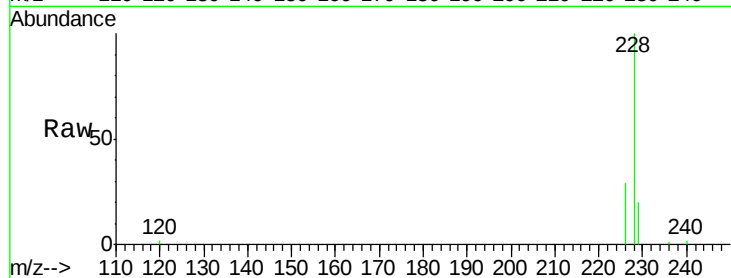
Tot Ion:228 Resp: 35463

Ion Ratio Lower Upper

228 100

226 29.0 25.7 38.5

229 19.7 15.2 22.8



#23

Benzo(b)fluoranthene

Concen: 0.37 ng/uL

RT: 23.96 min Scan# 1535

Delta R.T. -0.00 min

Lab File: BM002700.D

Acq: 22 Sep 2015 17:28

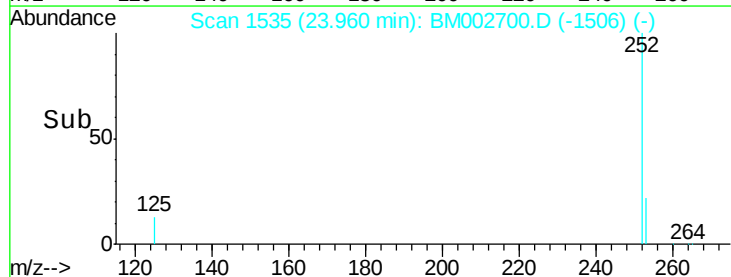
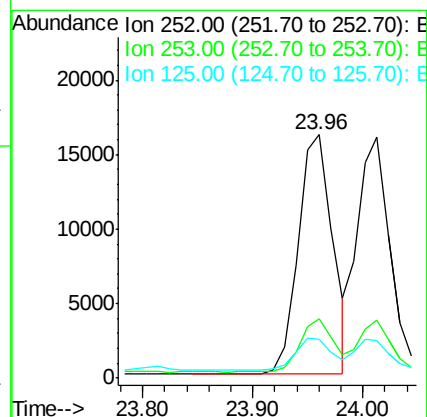
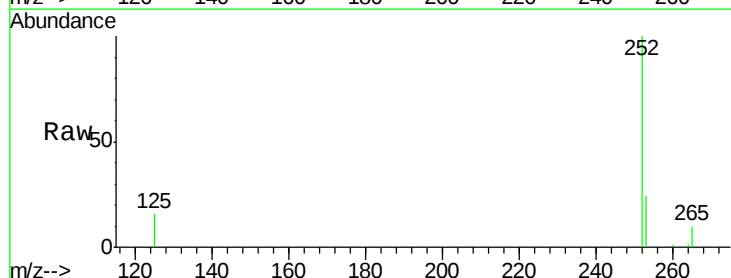
Tgt Ion:252 Resp: 34609

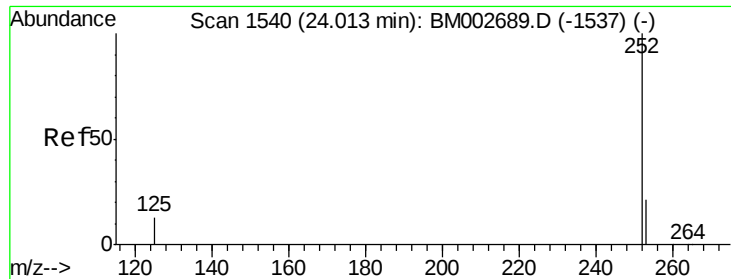
Ion Ratio Lower Upper

252 100

253 24.2 0.0 48.0

125 15.9 0.0 36.6





#24

Benzo(k)fluoranthene

Concen: 0.38 ng/ul

RT: 24.01 min Scan# 1540

Delta R.T. -0.00 min

Lab File: BM002700.D

Acq: 22 Sep 2015 17:28

Instrument :

BNA_M

ClientSampleId :

SSTD0.475

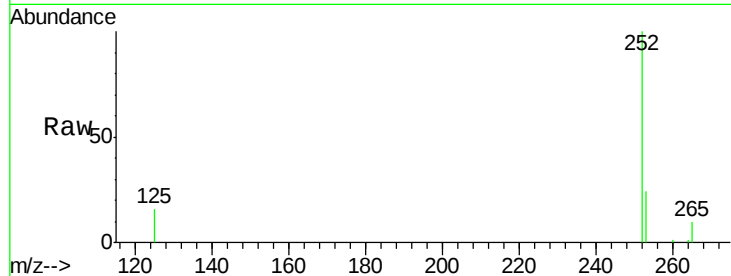
Tot Ion:252 Resp: 33944

Ion Ratio Lower Upper

252 100

253 24.0 20.8 31.2

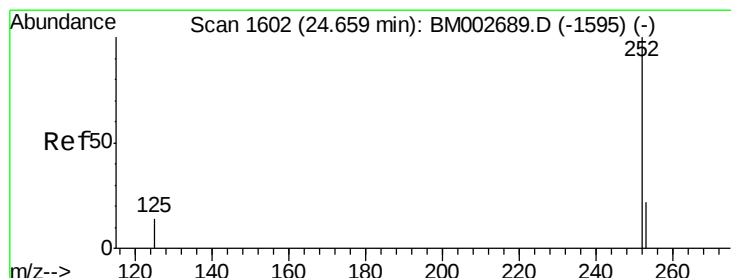
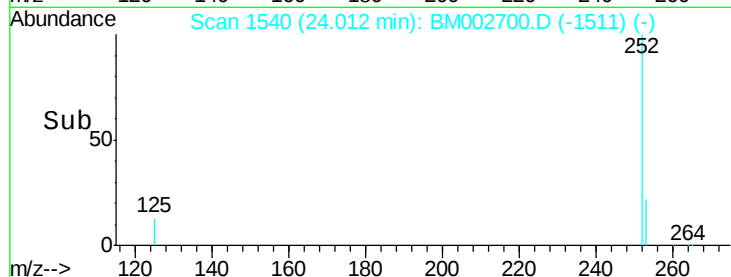
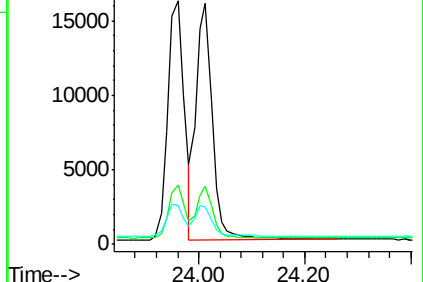
125 15.8 12.2 18.4



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: 0.35 ng/ul

RT: 24.65 min Scan# 1601

Delta R.T. -0.01 min

Lab File: BM002700.D

Acq: 22 Sep 2015 17:28

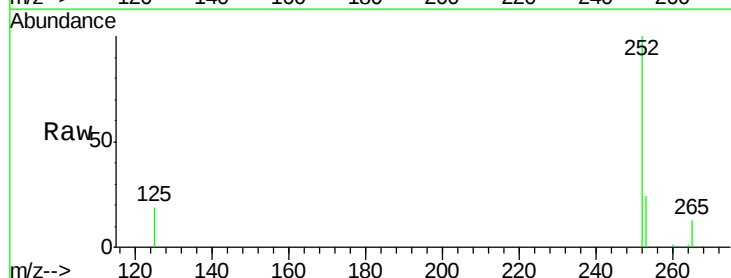
Tgt Ion:252 Resp: 31231

Ion Ratio Lower Upper

252 100

253 24.0 21.8 32.8

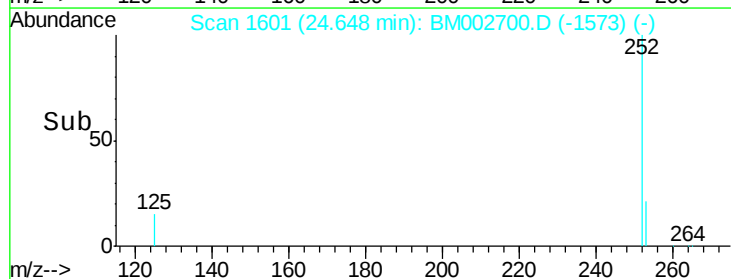
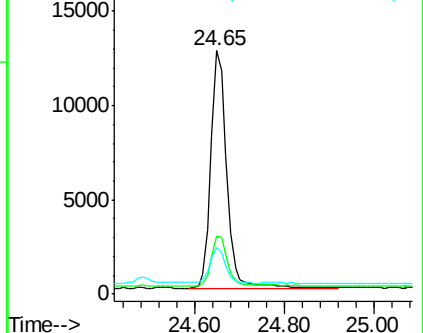
125 19.2 14.5 21.7

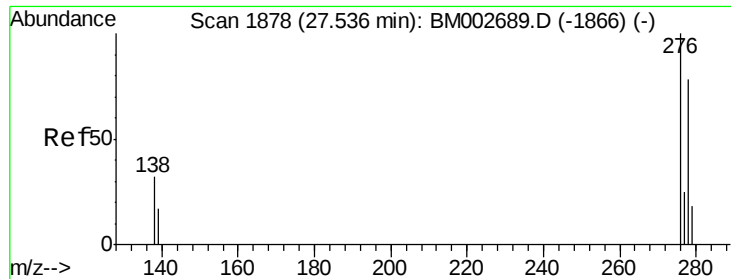


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

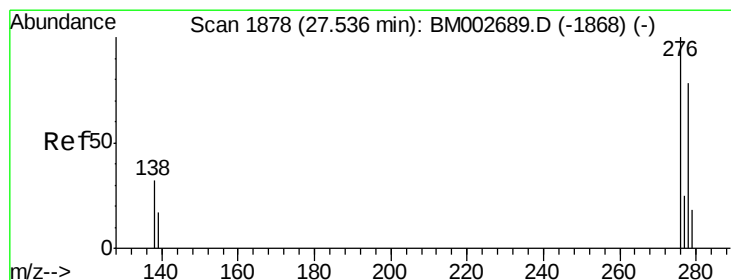
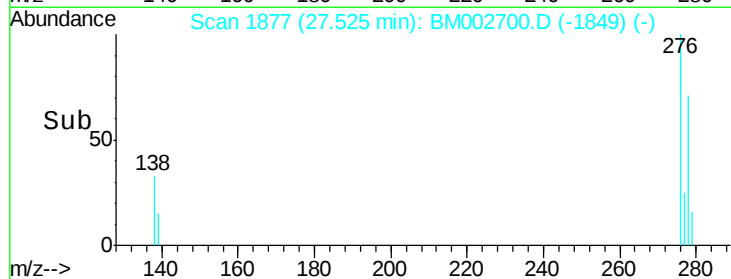
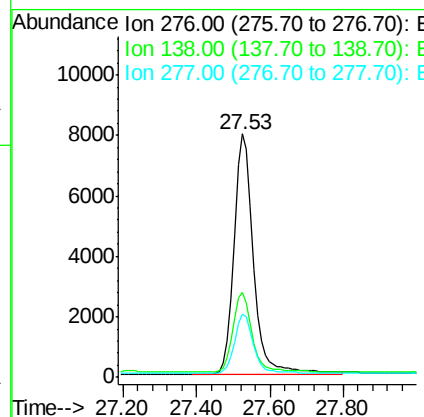
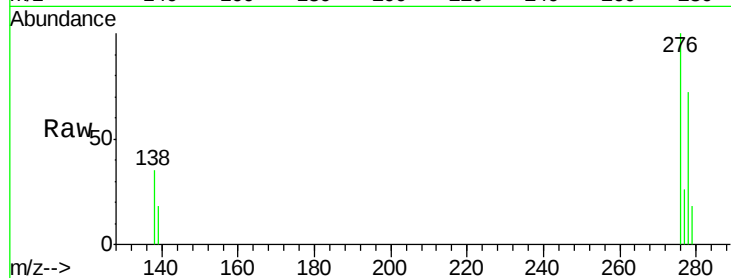




#26
 Indeno(1,2,3-cd)pyrene
 Concen: 0.28 ng/ul
 RT: 27.53 min Scan# 1877
 Delta R.T. -0.01 min
 Lab File: BM002700.D
 Acq: 22 Sep 2015 17:28

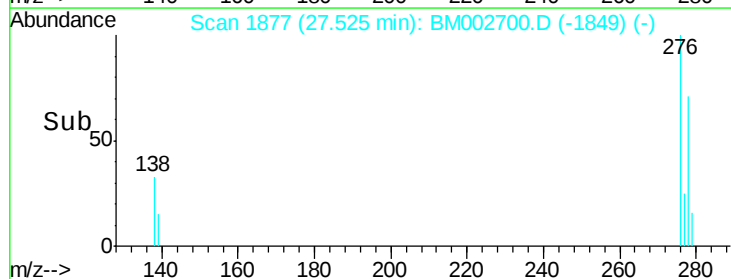
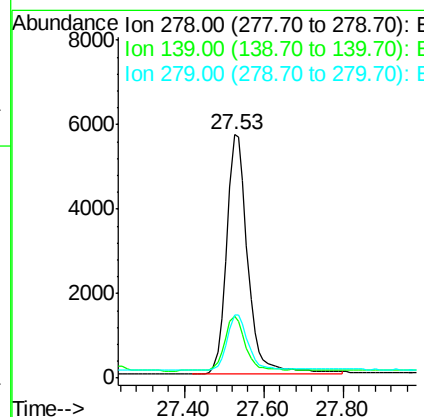
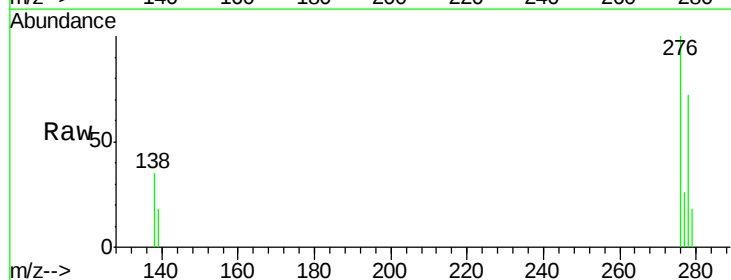
Instrument :
 BNA_M
 ClientSampleId :
 SST0.475

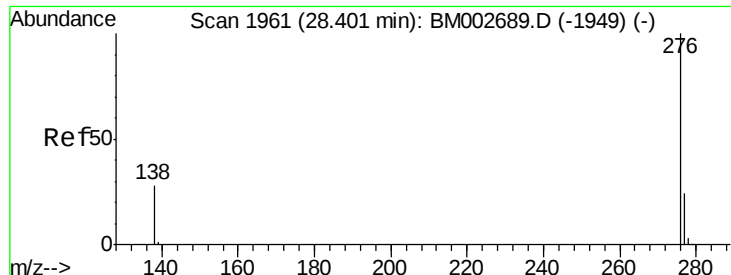
Tot Ion:276 Resp: 29350
 Ion Ratio Lower Upper
 276 100
 138 33.3 27.5 41.3
 277 24.7 19.3 28.9



#27
 Dibenzo(a,h)anthracene
 Concen: 0.25 ng/ul
 RT: 27.53 min Scan# 1877
 Delta R.T. -0.01 min
 Lab File: BM002700.D
 Acq: 22 Sep 2015 17:28

Tgt Ion:278 Resp: 21060
 Ion Ratio Lower Upper
 278 100
 139 25.6 21.7 32.5
 279 25.8 21.9 32.9





#28

Benzo(a,h,i)perylene

Concen: 0.32 ng/ul

RT: 28.39 min Scan# 1960

Delta R.T. -0.01 min

Lab File: BM002700.D

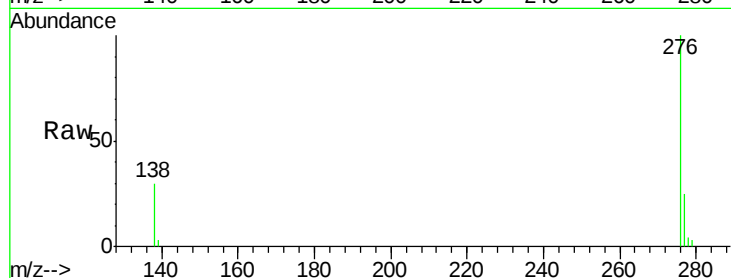
Acq: 22 Sep 2015 17:28

Instrument :

BNA_M

ClientSampleId :

SSTD0.475



Tot Ion: 276 Resp: 28535

Ion Ratio Lower Upper

276 100

277 24.8 21.3 31.9

138 30.3 25.5 38.3

