

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM031615\
 Data File : BM000711.D
 Acq On : 16 Mar 2015 11:14
 Operator : TP/IZ
 Sample : SSTD0.183
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 SSTD0.183

Quant Time: Mar 17 03:36:21 2015
 Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-SIM-BM031615.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Mar 17 04:25:16 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.63	152	5933	0.40	ng/ul	0.00
2) Naphthalene-d8	10.41	136	20469	0.40	ng/ul	0.00
6) Acenaphthene-d10	14.27	164	10716	0.40	ng/ul	0.00
10) Phenanthrene-d10	17.02	188	21258	0.40	ng/ul	0.00
16) Chrysene-d12	21.23	240	16499	0.40	ng/ul	0.00
20) Perylene-d12	23.42	264	15032	0.40	ng/ul	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) 2-Methylnaphthalene-d10	12.01	152	2563	0.10	ng/ul	0.01
14) Fluoranthene-d10	19.06	212	4314	0.09	ng/ul	0.00

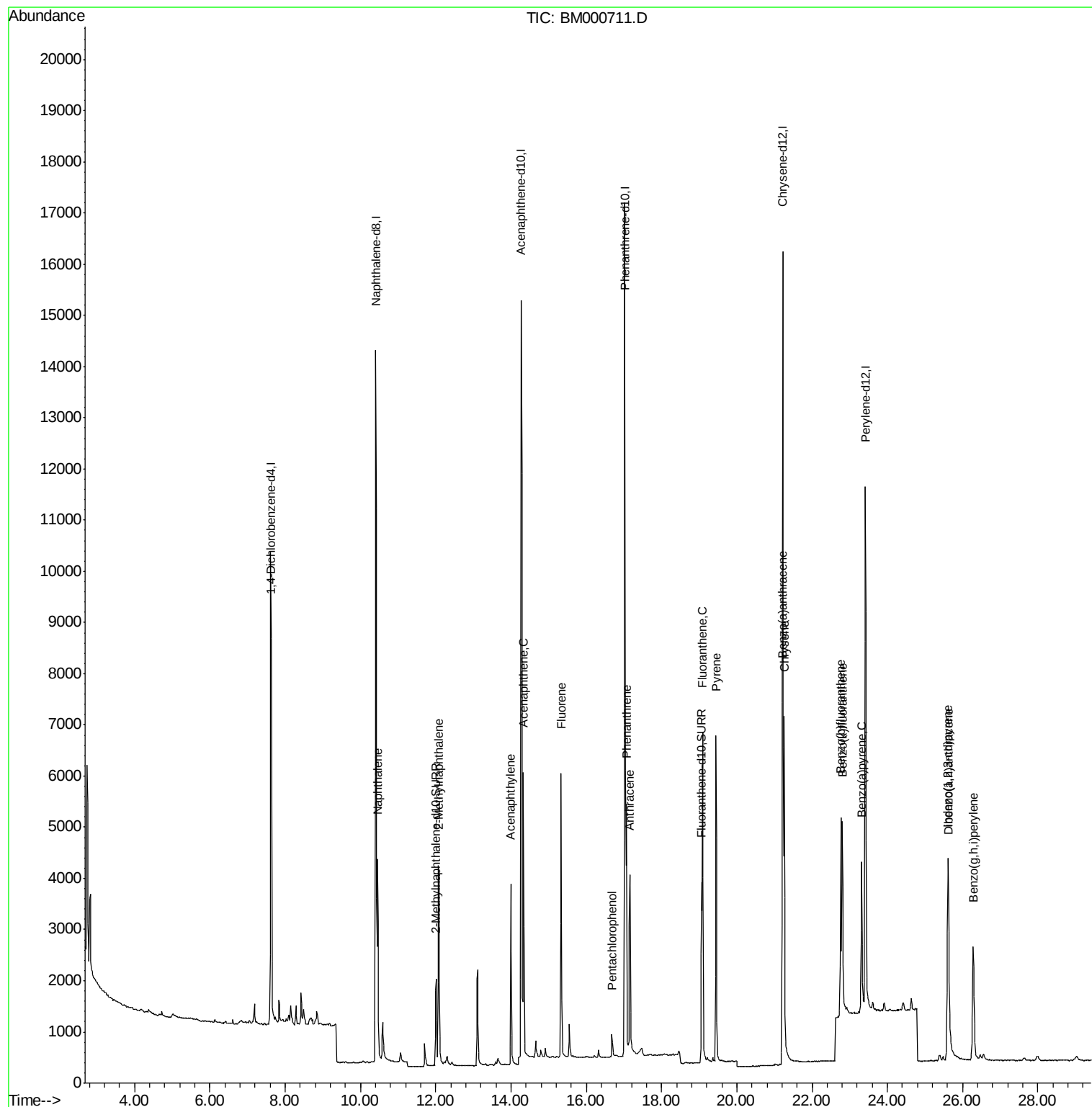
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Naphthalene	10.46	128	5374	0.10	ng/ul	95
5) 2-Methylnaphthalene	12.09	142	3477	0.10	ng/ul	100
7) Acenaphthylene	14.00	152	4448	0.09	ng/ul	96
8) Acenaphthene	14.33	153	3599	0.10	ng/ul	99
9) Fluorene	15.34	166	4041	0.10	ng/ul	96
11) Pentachlorophenol	16.68	266	408	0.17	ng/ul	92
12) Phenanthrene	17.07	178	6108	0.10	ng/ul	97
13) Anthracene	17.16	178	5428	0.09	ng/ul	97
15) Fluoranthene	19.09	202	6415	0.09	ng/ul	97
17) Pyrene	19.45	202	6701	0.10	ng/ul	98
18) Benzo(a)anthracene	21.21	228	5056	0.10	ng/ul	98
19) Chrysene	21.26	228	5820	0.10	ng/ul	96
21) Benzo(b)fluoranthene	22.76	252	5572	0.10	ng/ul	84
22) Benzo(k)fluoranthene	22.80	252	5577	0.10	ng/ul#	86
23) Benzo(a)pyrene	23.31	252	5060	0.10	ng/ul#	79
24) Indeno(1,2,3-cd)pyrene	25.61	276	5555	0.10	ng/ul	99
25) Dibenzo(a,h)anthracene	25.63	278	4421	0.10	ng/ul#	89
26) Benzo(g,h,i)perylene	26.28	276	4925	0.10	ng/ul	94

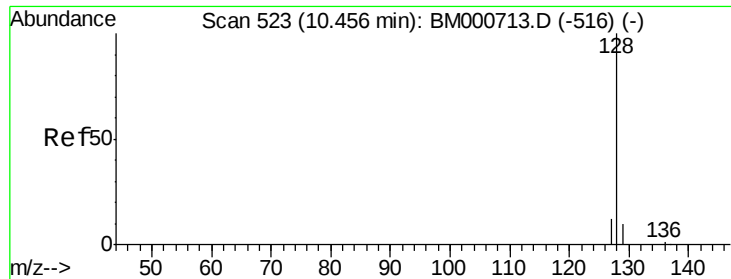
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Naphthalene

Concen: 0.10 ng/ul

RT: 10.46 min Scan# 523

Delta R.T. -0.00 min

Lab File: BM000711.D

Acq: 16 Mar 2015 11:14

Instrument :

BNA_M

ClientSampleId :

SSTD0.183

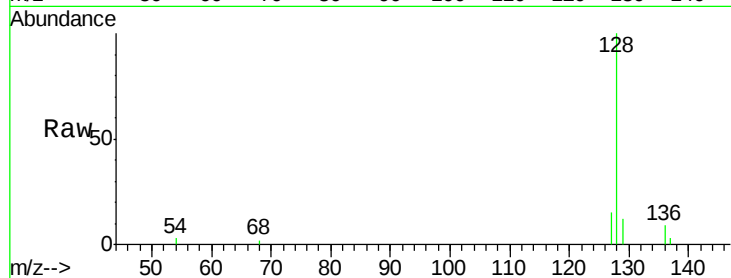
Tgt Ion:128 Resp: 5374

Ion Ratio Lower Upper

128 100

129 12.2 8.6 12.8

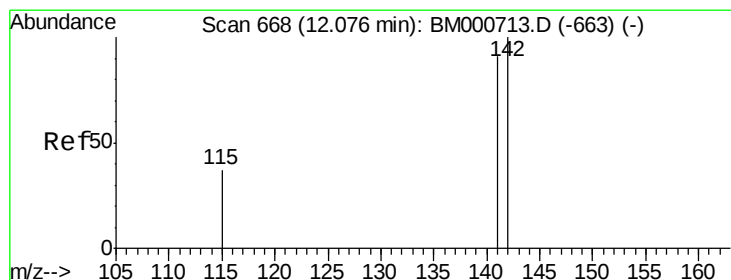
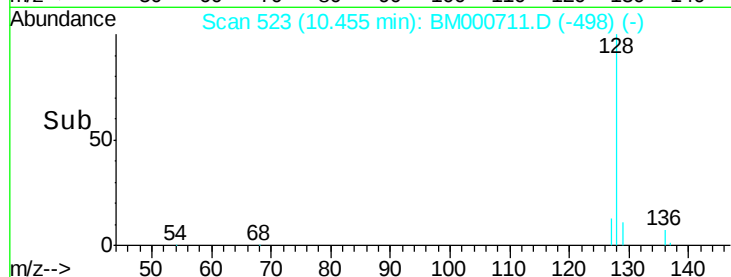
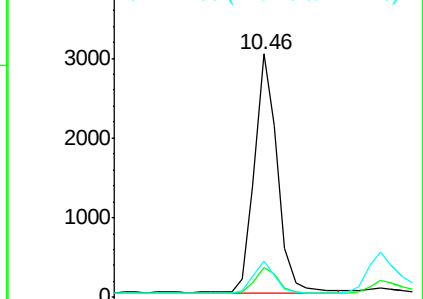
127 14.9 10.2 15.2



Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E



#5

2-Methylnaphthalene

Concen: 0.10 ng/ul

RT: 12.09 min Scan# 669

Delta R.T. 0.01 min

Lab File: BM000711.D

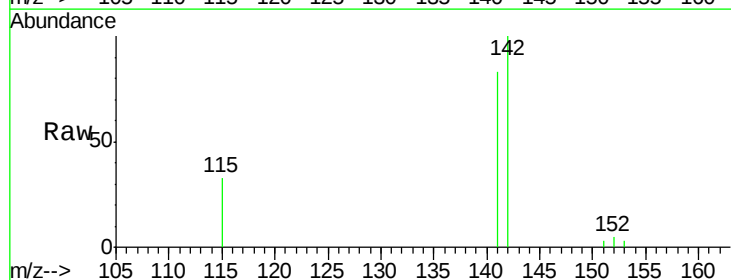
Acq: 16 Mar 2015 11:14

Tgt Ion:142 Resp: 3477

Ion Ratio Lower Upper

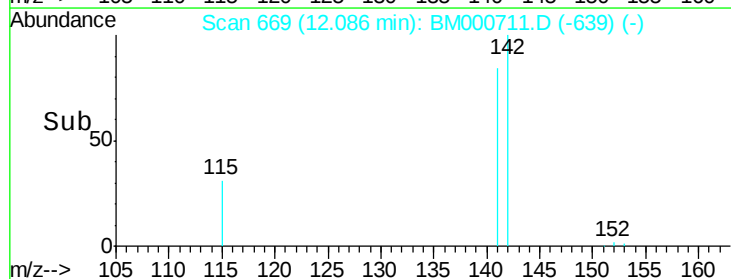
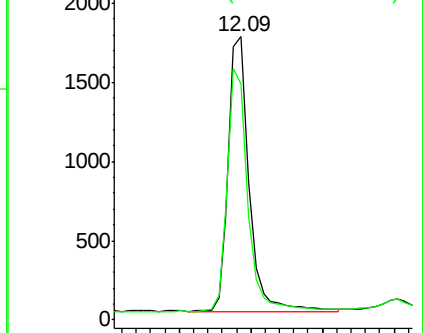
142 100

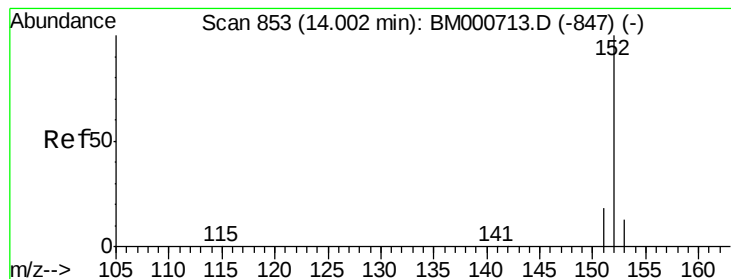
141 87.5 69.9 104.9



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#7

Acenaphthylene

Concen: 0.09 ng/ul

RT: 14.00 min Scan# 853

Delta R.T. -0.00 min

Lab File: BM000711.D

Acq: 16 Mar 2015 11:14

Instrument :

BNA_M

ClientSampleId :

SSTD0.183

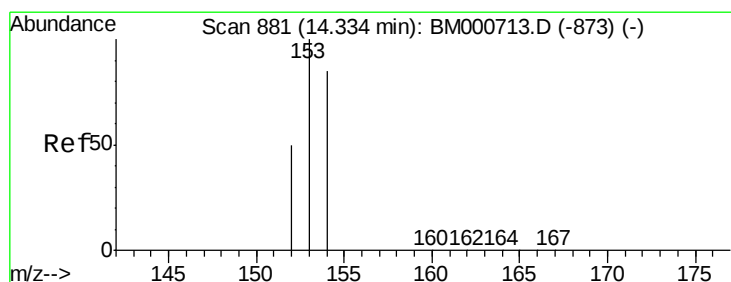
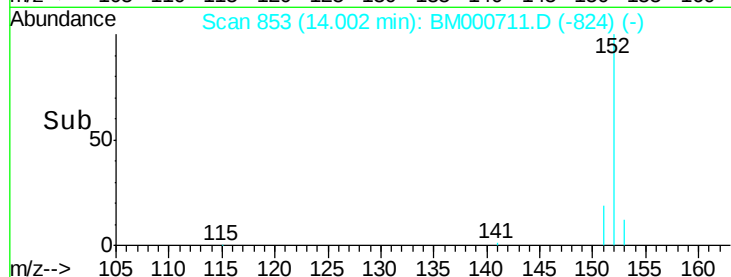
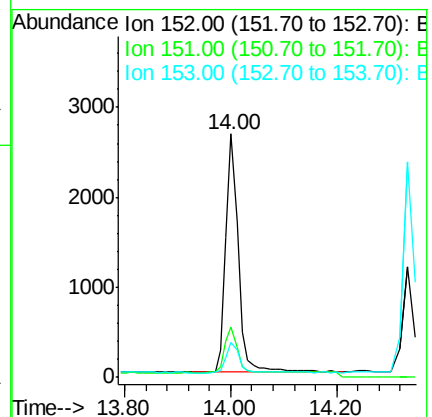
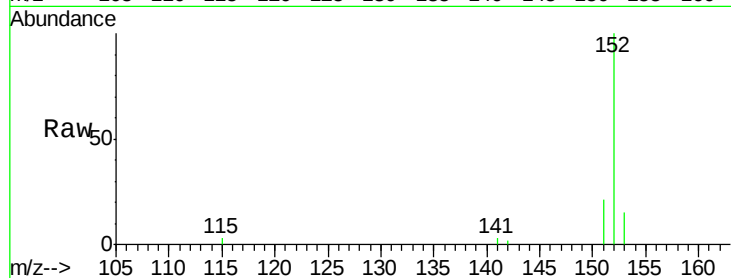
Tgt Ion:152 Resp: 4448

Ion Ratio Lower Upper

152 100

151 20.8 15.0 22.4

153 14.6 10.5 15.7



#8

Acenaphthene

Concen: 0.10 ng/ul

RT: 14.33 min Scan# 881

Delta R.T. -0.00 min

Lab File: BM000711.D

Acq: 16 Mar 2015 11:14

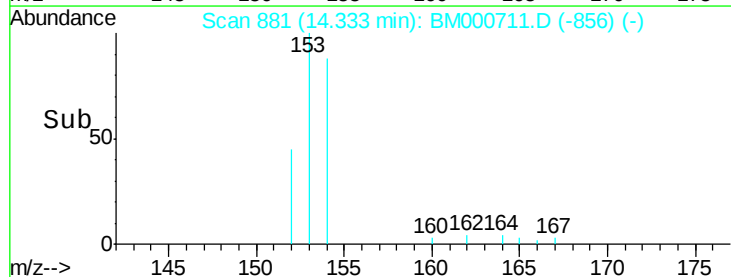
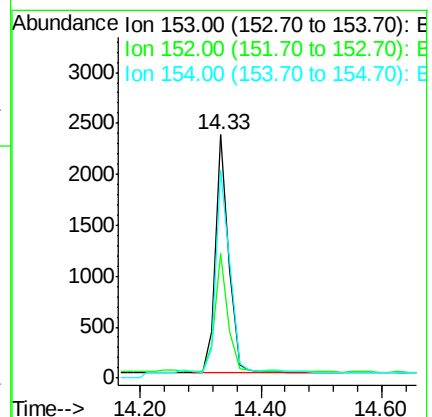
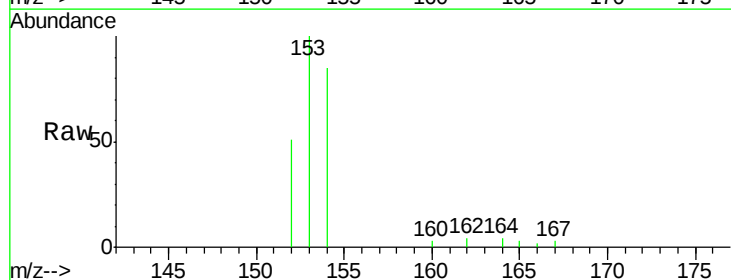
Tgt Ion:153 Resp: 3599

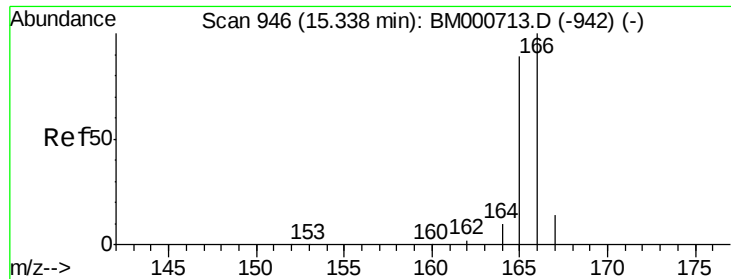
Ion Ratio Lower Upper

153 100

152 51.3 40.2 60.4

154 85.1 68.0 102.0

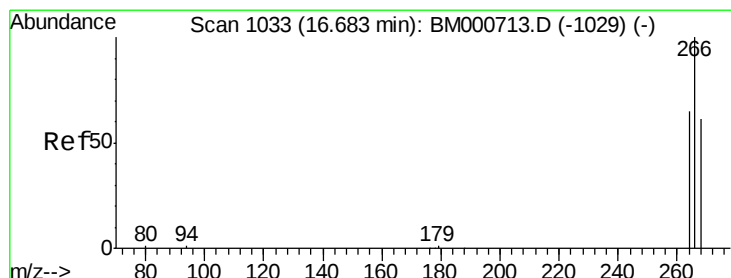
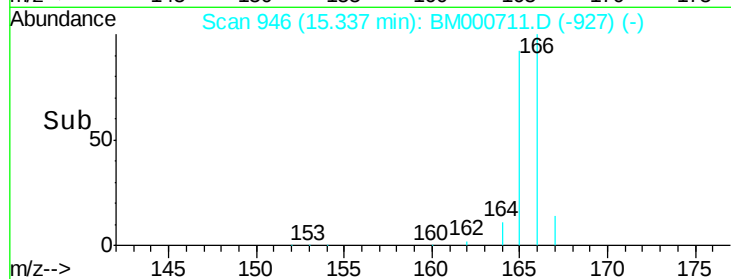
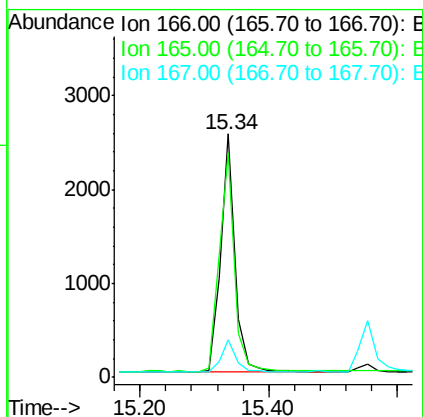
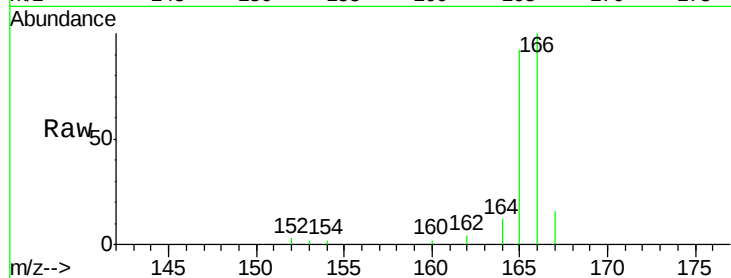




#9
Fluorene
 Concen: 0.10 ng/ul
 RT: 15.34 min Scan# 946
 Delta R.T. -0.00 min
 Lab File: BM000711.D
 Acq: 16 Mar 2015 11:14

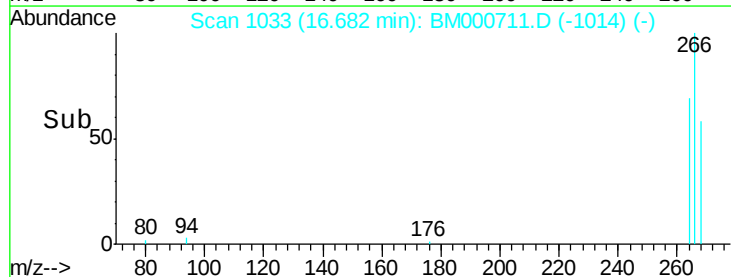
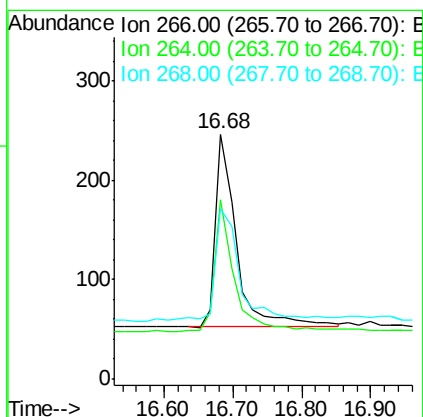
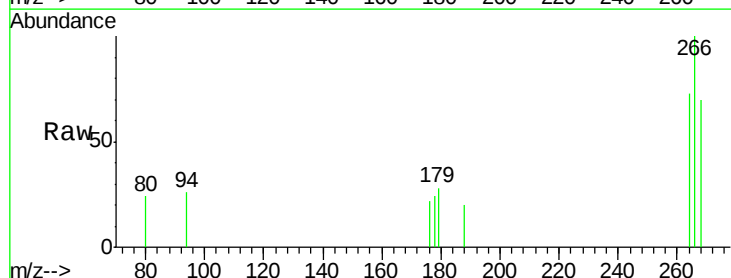
Instrument :
 BNA_M
 ClientSampleId :
 SST0.183

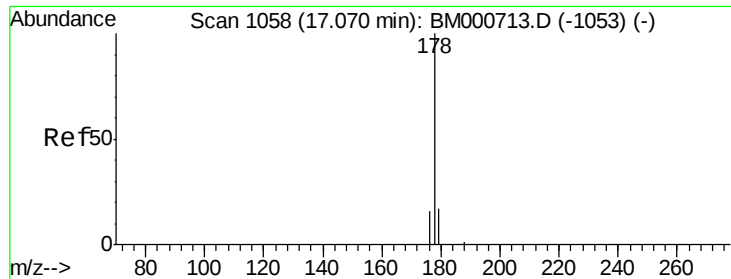
Tgt Ion:166 Resp: 4041
 Ion Ratio Lower Upper
 166 100
 165 92.2 71.0 106.4
 167 15.6 11.4 17.2



#11
Pentachlorophenol
 Concen: 0.17 ng/ul
 RT: 16.68 min Scan# 1033
 Delta R.T. -0.00 min
 Lab File: BM000711.D
 Acq: 16 Mar 2015 11:14

Tgt Ion:266 Resp: 408
 Ion Ratio Lower Upper
 266 100
 264 67.4 50.3 75.5
 268 70.3 50.5 75.7





#12

Phenanthrene

Concen: 0.10 ng/ul

RT: 17.07 min Scan# 1058

Delta R.T. -0.00 min

Lab File: BM000711.D

Acq: 16 Mar 2015 11:14

Instrument :

BNA_M

ClientSampleId :

SSTD0.183

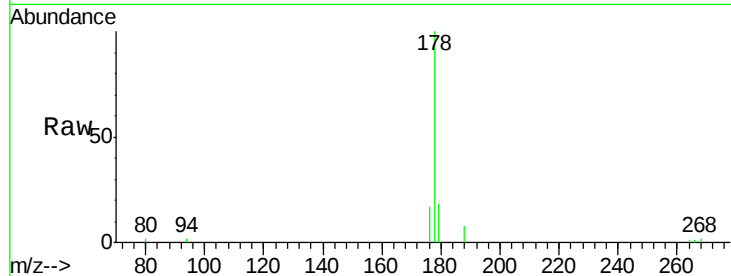
Tgt Ion:178 Resp: 6108

Ion Ratio Lower Upper

178 100

176 17.4 13.1 19.7

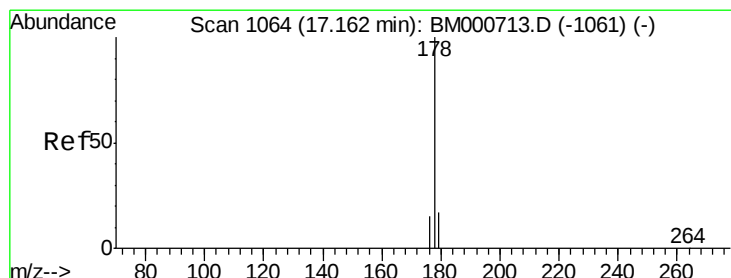
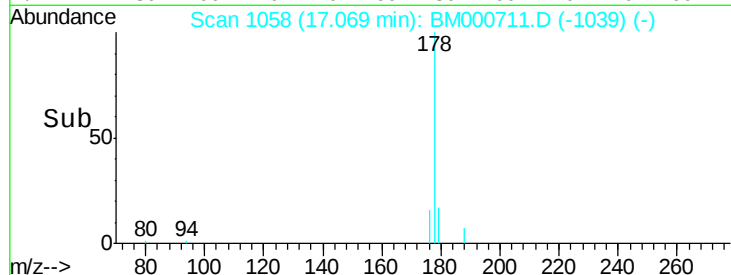
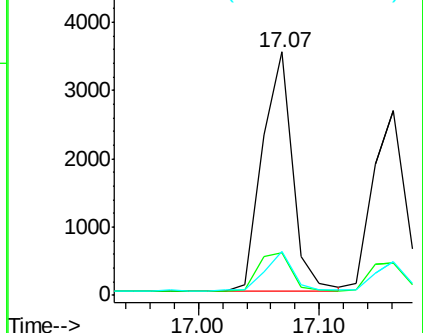
179 18.3 13.4 20.2



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



#13

Anthracene

Concen: 0.09 ng/ul

RT: 17.16 min Scan# 1064

Delta R.T. -0.00 min

Lab File: BM000711.D

Acq: 16 Mar 2015 11:14

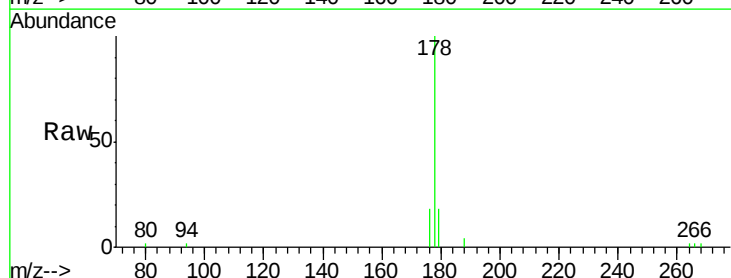
Tgt Ion:178 Resp: 5428

Ion Ratio Lower Upper

178 100

176 17.7 12.5 18.7

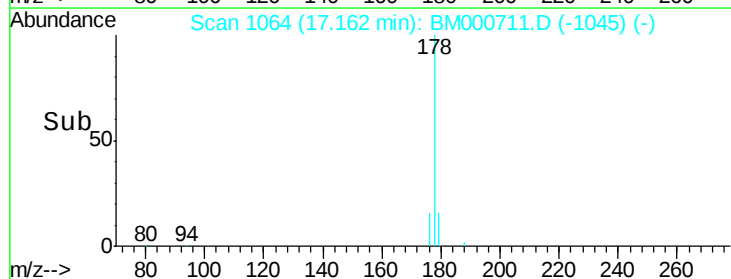
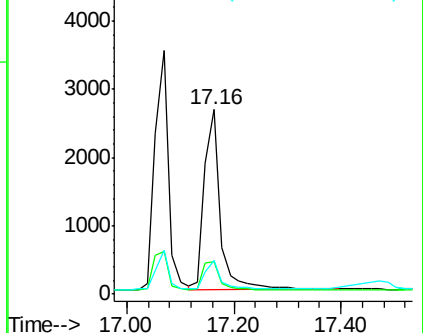
179 18.2 13.9 20.9

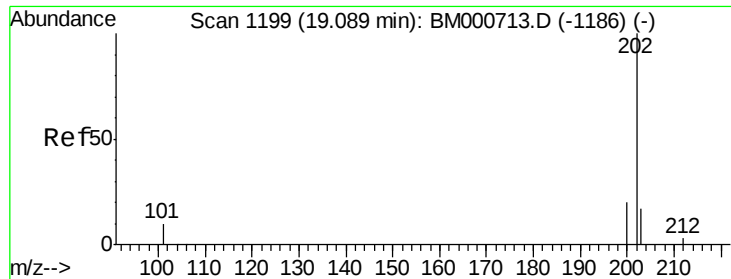


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#15

Fluoranthene

Concen: 0.09 ng/ul

RT: 19.09 min Scan# 1199

Delta R.T. -0.00 min

Lab File: BM000711.D

Acq: 16 Mar 2015 11:14

Instrument :

BNA_M

ClientSampleId :

SSTD0.183

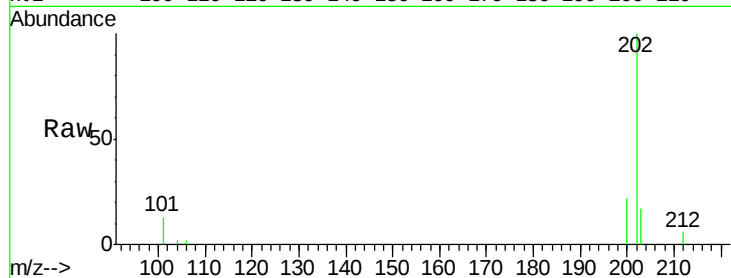
Tgt Ion:202 Resp: 6415

Ion Ratio Lower Upper

202 100

101 12.6 0.0 29.9

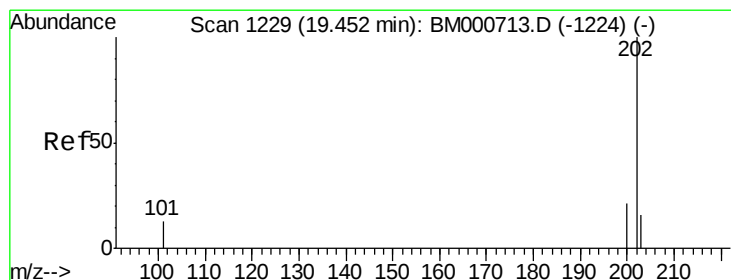
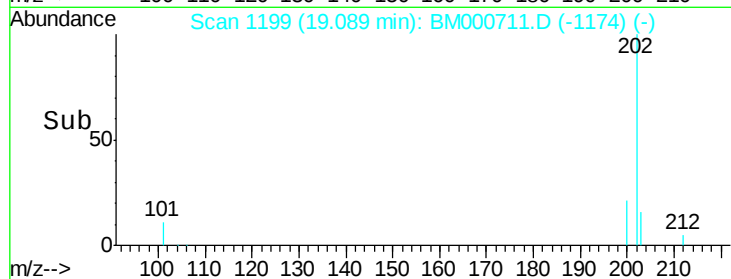
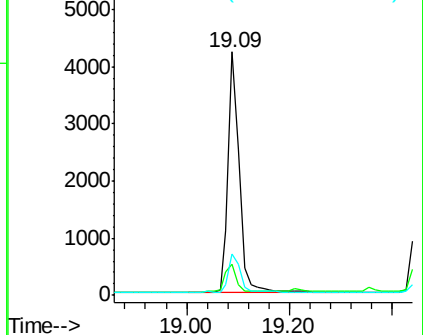
203 17.2 0.0 36.9



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



#17

Pyrene

Concen: 0.10 ng/ul

RT: 19.45 min Scan# 1229

Delta R.T. -0.00 min

Lab File: BM000711.D

Acq: 16 Mar 2015 11:14

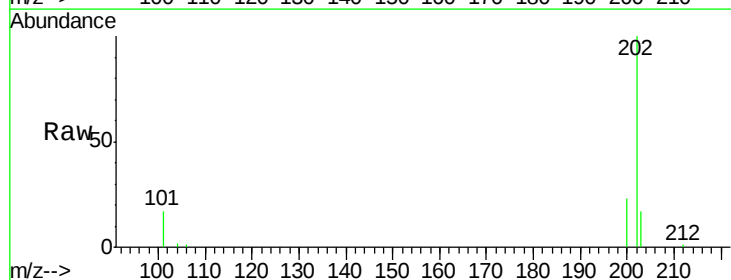
Tgt Ion:202 Resp: 6701

Ion Ratio Lower Upper

202 100

200 22.7 17.2 25.8

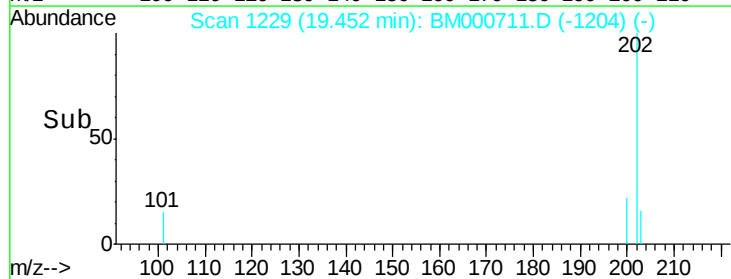
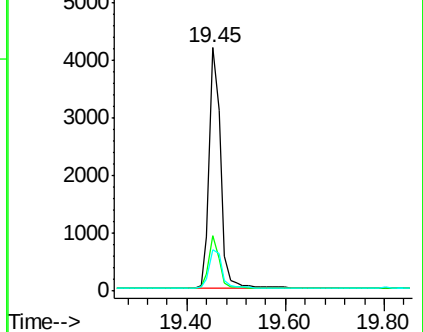
203 17.1 13.1 19.7

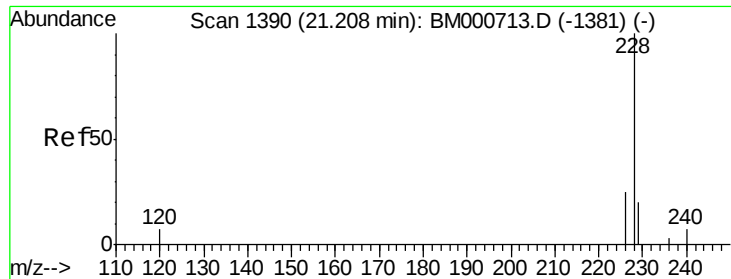


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#18

Benzo(a)anthracene

Concen: 0.10 ng/ul

RT: 21.21 min Scan# 1390

Delta R.T. -0.00 min

Lab File: BM000711.D

Acq: 16 Mar 2015 11:14

Instrument :

BNA_M

ClientSampleId :

SSTD0.183

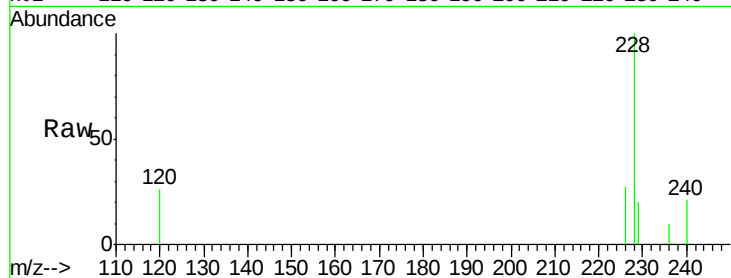
Tgt Ion:228 Resp: 5056

Ion Ratio Lower Upper

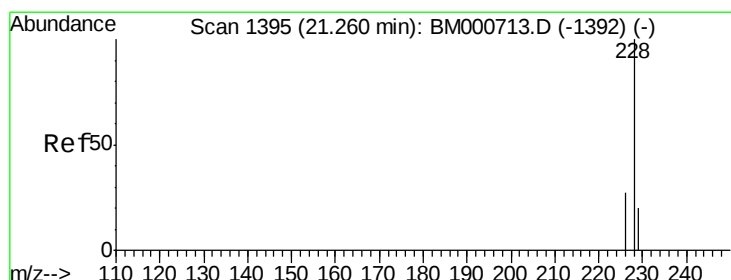
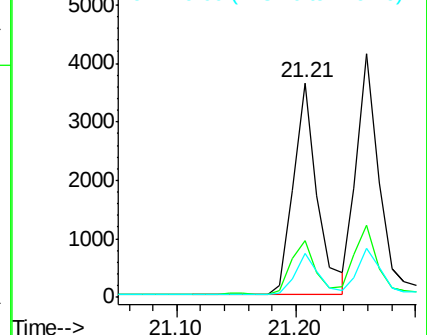
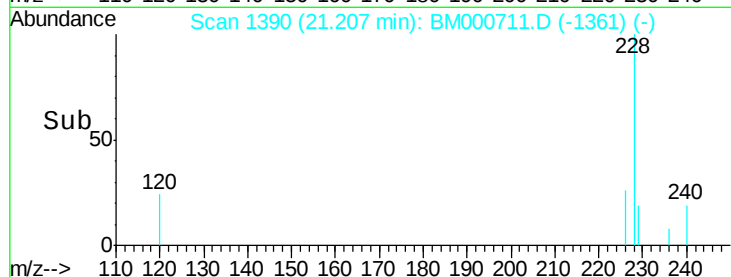
228 100

226 26.6 19.9 29.9

229 20.4 15.9 23.9



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



#19

Chrysene

Concen: 0.10 ng/ul

RT: 21.26 min Scan# 1395

Delta R.T. -0.00 min

Lab File: BM000711.D

Acq: 16 Mar 2015 11:14

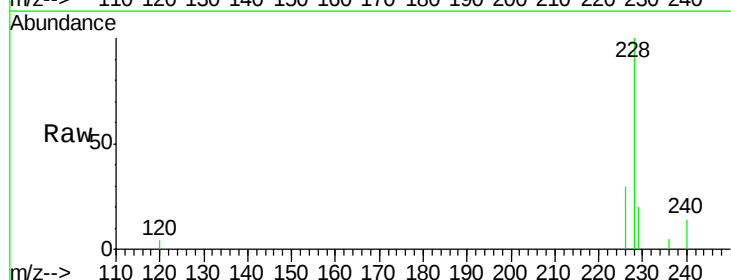
Tgt Ion:228 Resp: 5820

Ion Ratio Lower Upper

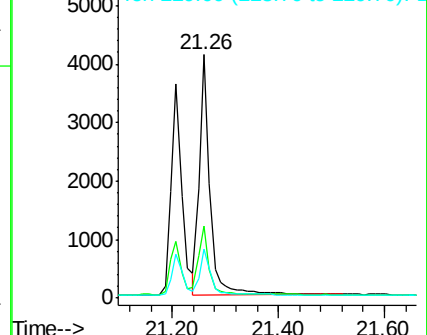
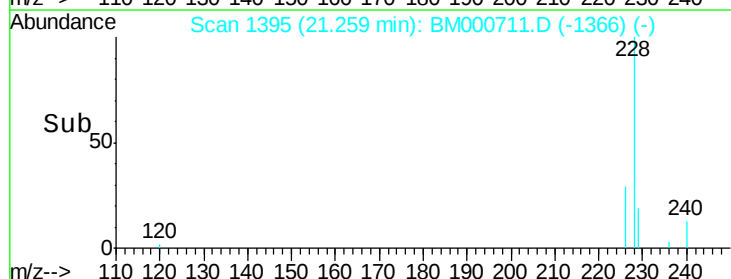
228 100

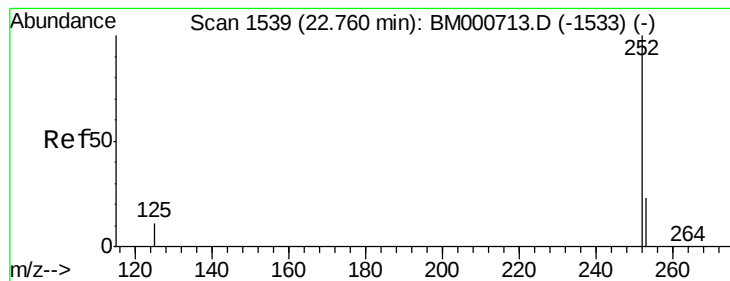
226 29.8 21.3 31.9

229 20.4 16.2 24.4



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

Benzo(b)fluoranthene

Concen: 0.10 ng/ul

RT: 22.76 min Scan# 1539

Delta R.T. -0.00 min

Lab File: BM000711.D

Acq: 16 Mar 2015 11:14

Instrument :

BNA_M

ClientSampleId :

SSTD0.183

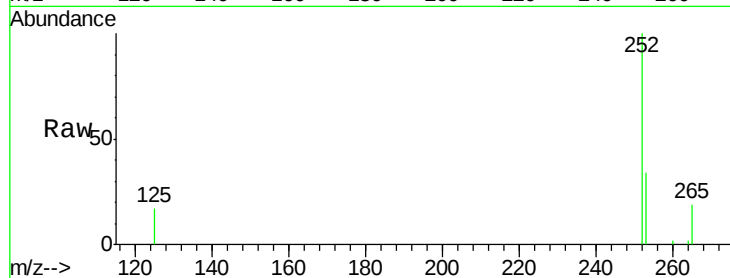
Tgt Ion:252 Resp: 5572

Ion Ratio Lower Upper

252 100

253 33.8 0.0 50.4

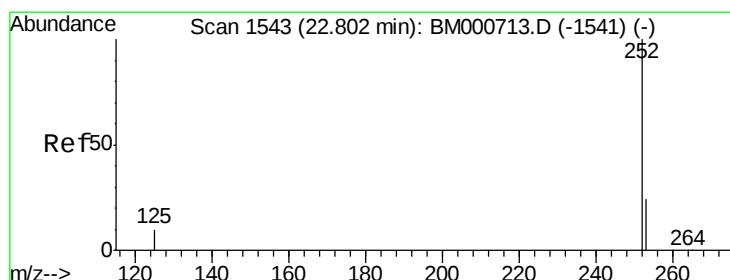
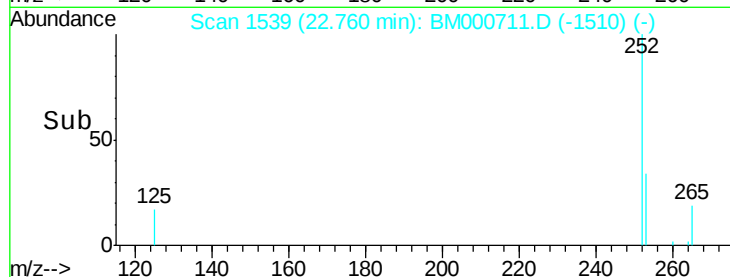
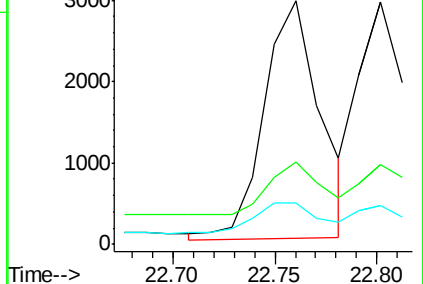
125 17.1 0.0 24.2



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



#22

Benzo(k)fluoranthene

Concen: 0.10 ng/ul

RT: 22.80 min Scan# 1543

Delta R.T. -0.00 min

Lab File: BM000711.D

Acq: 16 Mar 2015 11:14

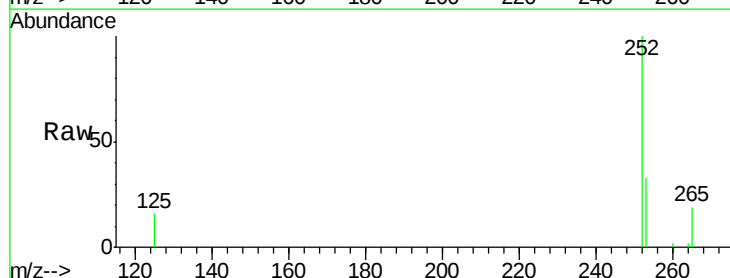
Tgt Ion:252 Resp: 5577

Ion Ratio Lower Upper

252 100

253 33.2 19.7 29.5#

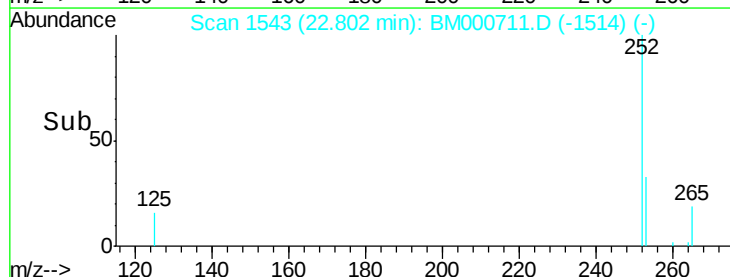
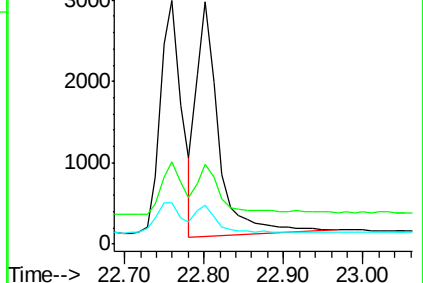
125 16.1 10.1 15.1#

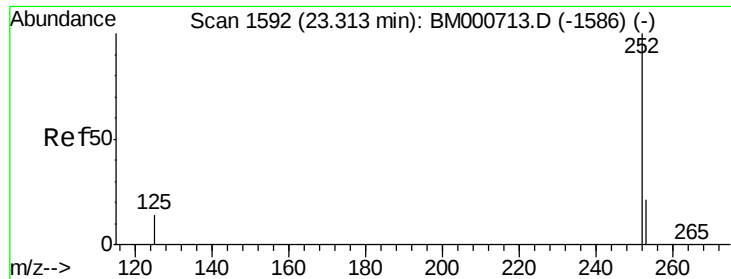


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#23

Benzo(a)pyrene

Concen: 0.10 ng/ul

RT: 23.31 min Scan# 1592

Delta R.T. -0.00 min

Lab File: BM000711.D

Acq: 16 Mar 2015 11:14

Instrument :

BNA_M

ClientSampleId :

SSTD0.183

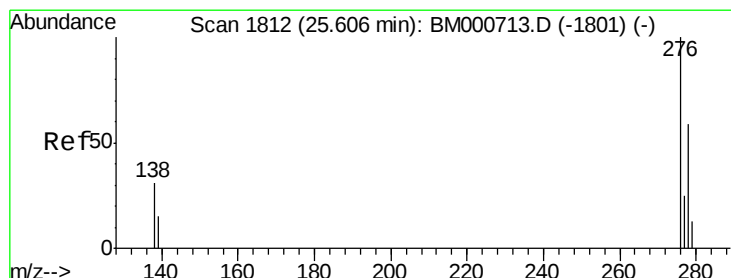
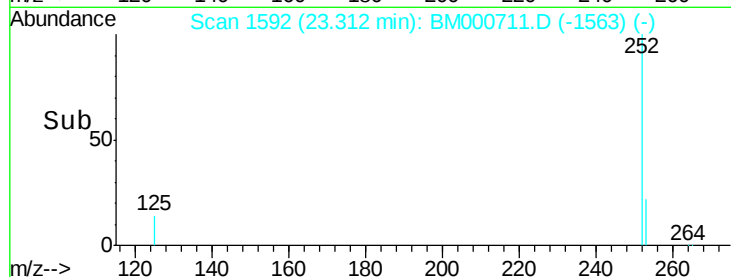
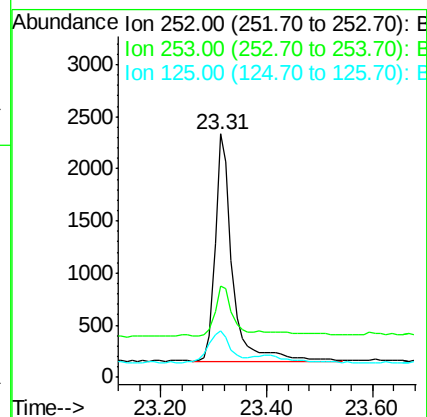
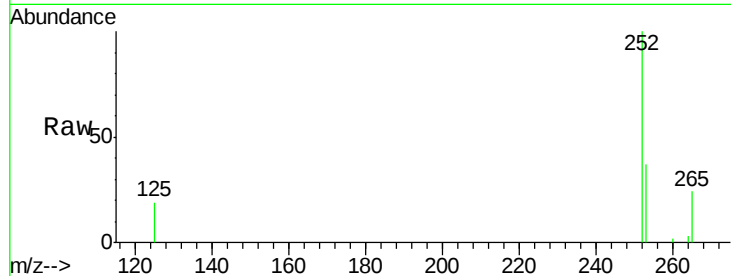
Tgt Ion:252 Resp: 5060

Ion Ratio Lower Upper

252 100

253 37.3 19.0 28.4#

125 19.0 11.9 17.9#



#24

Indeno(1,2,3-cd)pyrene

Concen: 0.10 ng/ul

RT: 25.61 min Scan# 1812

Delta R.T. -0.00 min

Lab File: BM000711.D

Acq: 16 Mar 2015 11:14

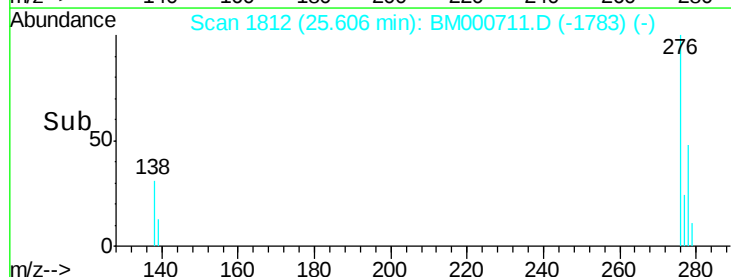
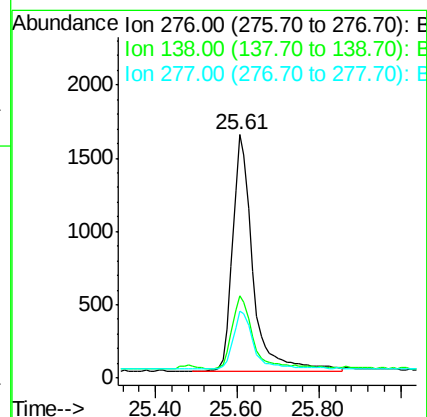
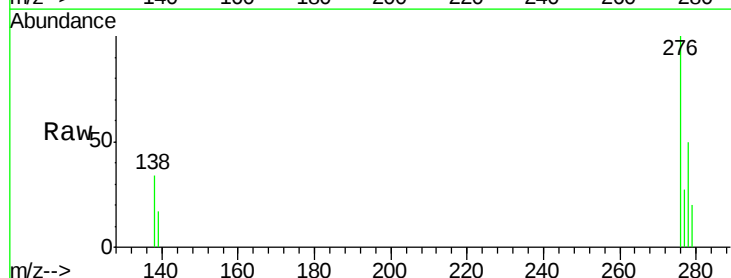
Tgt Ion:276 Resp: 5555

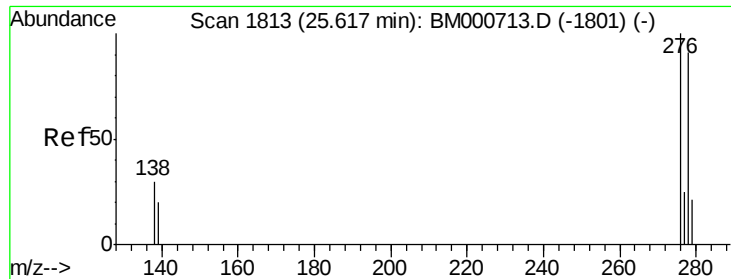
Ion Ratio Lower Upper

276 100

138 31.3 25.3 37.9

277 25.1 19.8 29.8

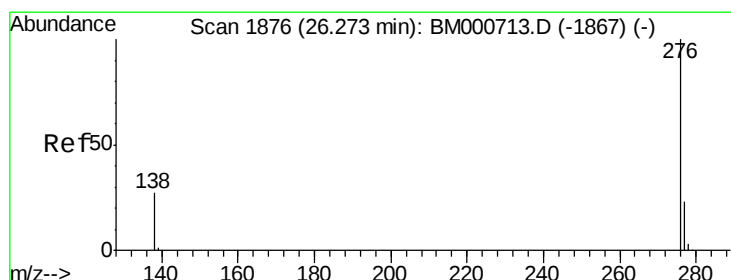
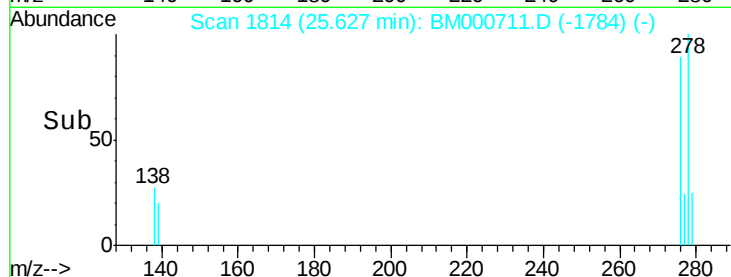
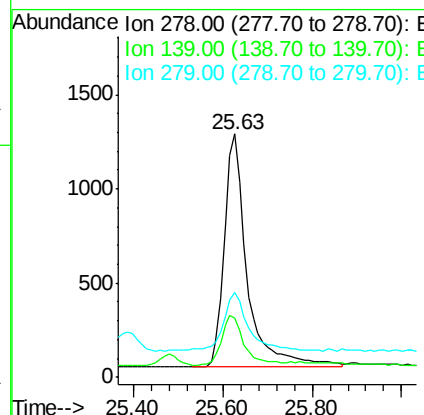
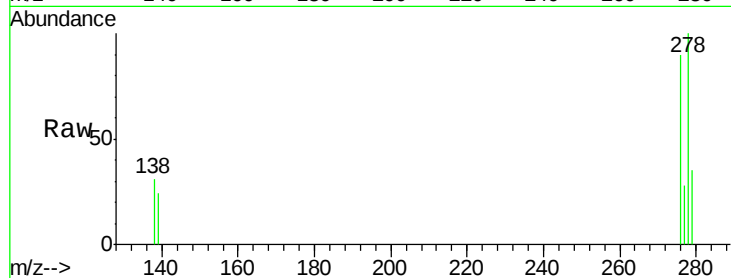




#25
Dibenzo(a,h)anthracene
Concen: 0.10 ng/ul
RT: 25.63 min Scan# 1814
Delta R.T. 0.01 min
Lab File: BM000711.D
Acq: 16 Mar 2015 11:14

Instrument :
BNA_M
ClientSampleId :
SSTD0.183

Tgt Ion: 278 Resp: 4421
Ion Ratio Lower Upper
278 100
139 24.2 18.4 27.6
279 34.6 20.3 30.5#



#26
Benzo(g,h,i)perylene
Concen: 0.10 ng/ul
RT: 26.28 min Scan# 1877
Delta R.T. 0.01 min
Lab File: BM000711.D
Acq: 16 Mar 2015 11:14

Tgt Ion: 276 Resp: 4925
Ion Ratio Lower Upper
276 100
277 27.6 18.9 28.3
138 30.4 22.2 33.4

