

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM031615\
 Data File : BM000712.D
 Acq On : 16 Mar 2015 11:50
 Operator : TP/IZ
 Sample : SSTD0.284
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 SSTD0.284

Quant Time: Mar 17 03:36:35 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 04:25:21 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.63	152	6247	0.40	ng/ul	0.00
2) Naphthalene-d8	10.41	136	21613	0.40	ng/ul	0.00
6) Acenaphthene-d10	14.27	164	11138	0.40	ng/ul	0.00
10) Phenanthrene-d10	17.02	188	21419	0.40	ng/ul	0.00
16) Chrysene-d12	21.23	240	16750	0.40	ng/ul	0.00
20) Perylene-d12	23.42	264	15287	0.40	ng/ul	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) 2-Methylnaphthalene-d10	12.01	152	5363	0.19	ng/ul	0.01
14) Fluoranthene-d10	19.07	212	8790	0.18	ng/ul	0.00

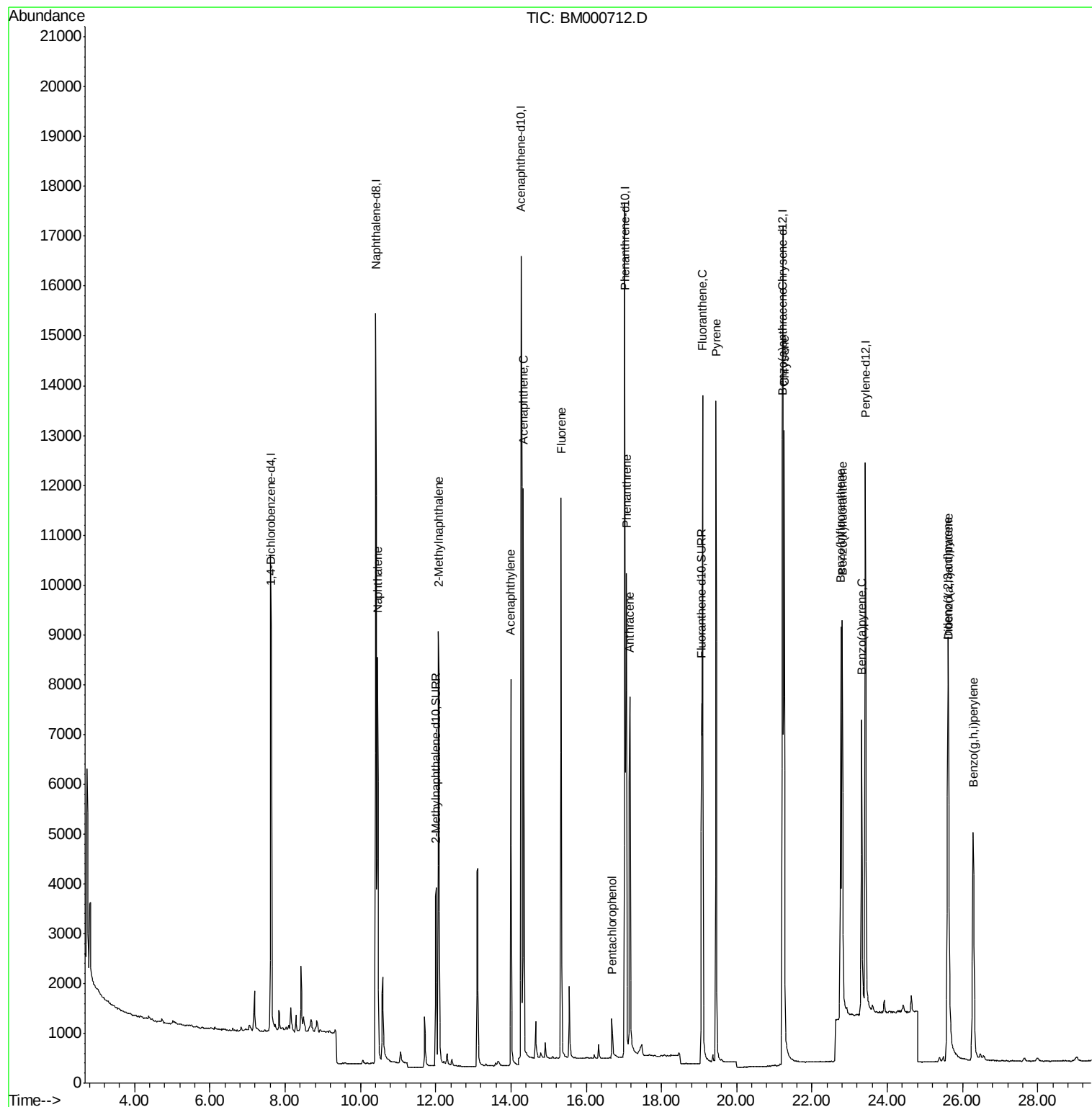
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Naphthalene	10.46	128	11419	0.20	ng/ul	98
5) 2-Methylnaphthalene	12.08	142	7394	0.19	ng/ul	100
7) Acenaphthylene	14.00	152	9390	0.19	ng/ul	98
8) Acenaphthene	14.33	153	7381	0.20	ng/ul	99
9) Fluorene	15.34	166	8285	0.19	ng/ul	99
11) Pentachlorophenol	16.68	266	755	0.32	ng/ul	99
12) Phenanthrene	17.07	178	12617	0.20	ng/ul	98
13) Anthracene	17.16	178	11128	0.19	ng/ul	99
15) Fluoranthene	19.09	202	13085	0.18	ng/ul	99
17) Pyrene	19.45	202	13570	0.21	ng/ul	99
18) Benzo(a)anthracene	21.21	228	10258	0.20	ng/ul	98
19) Chrysene	21.26	228	11721	0.19	ng/ul	97
21) Benzo(b)fluoranthene	22.76	252	11036	0.19	ng/ul	95
22) Benzo(k)fluoranthene	22.80	252	10870	0.20	ng/ul	95
23) Benzo(a)pyrene	23.31	252	10340	0.20	ng/ul#	92
24) Indeno(1,2,3-cd)pyrene	25.61	276	11462	0.20	ng/ul	99
25) Dibenzo(a,h)anthracene	25.63	278	9212	0.20	ng/ul	96
26) Benzo(g,h,i)perylene	26.28	276	10070	0.20	ng/ul	98

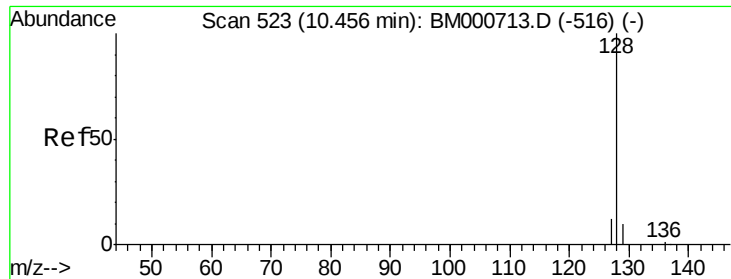
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Naphthalene

Concen: 0.20 ng/ul

RT: 10.46 min Scan# 523

Delta R.T. -0.00 min

Lab File: BM000712.D

Acq: 16 Mar 2015 11:50

Instrument :

BNA_M

ClientSampleId :

SSTD0.284

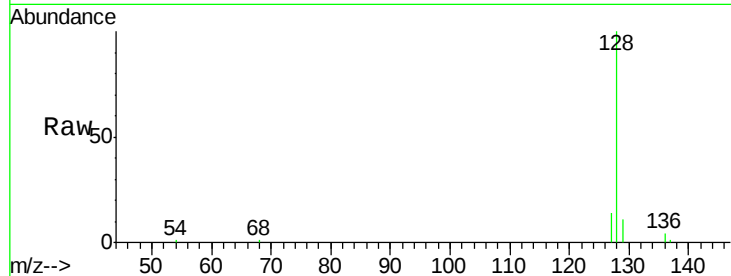
Tgt Ion:128 Resp: 11419

Ion Ratio Lower Upper

128 100

129 11.1 8.6 12.8

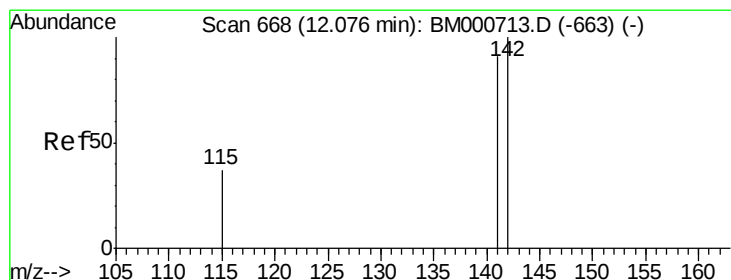
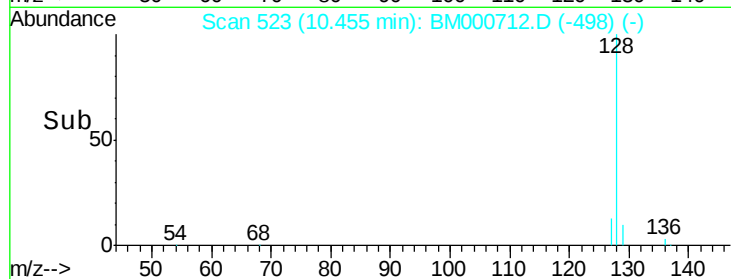
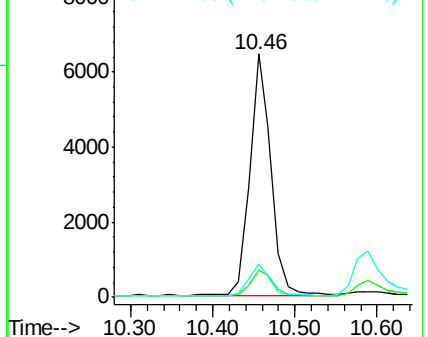
127 13.8 10.2 15.2



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: 0.19 ng/ul

RT: 12.08 min Scan# 668

Delta R.T. -0.00 min

Lab File: BM000712.D

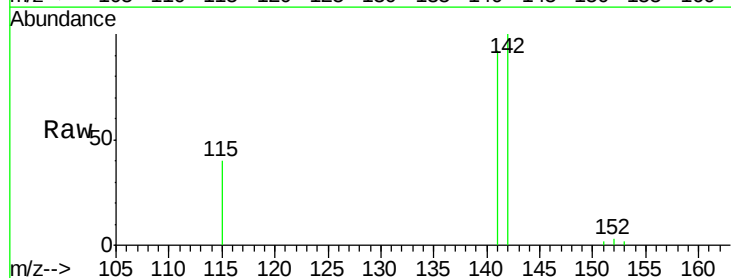
Acq: 16 Mar 2015 11:50

Tgt Ion:142 Resp: 7394

Ion Ratio Lower Upper

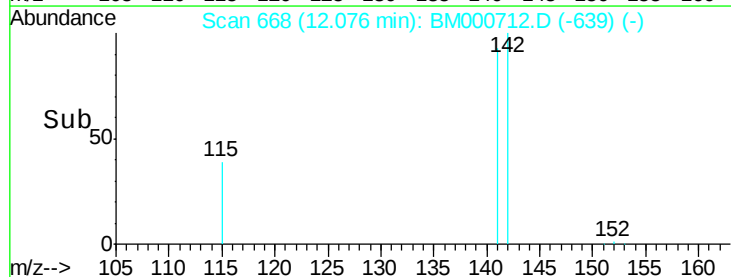
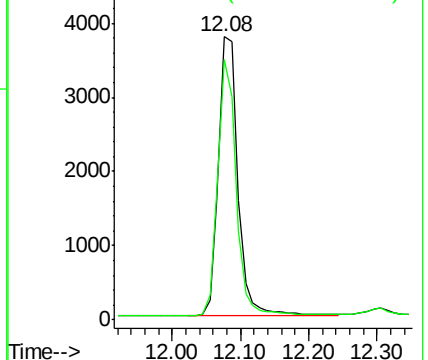
142 100

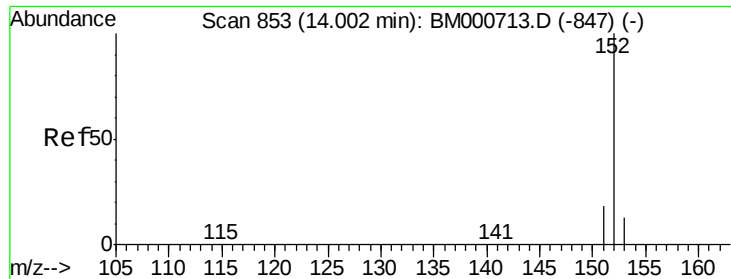
141 87.7 69.9 104.9



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#7

Acenaphthylene

Concen: 0.19 ng/ul

RT: 14.00 min Scan# 853

Delta R.T. -0.00 min

Lab File: BM000712.D

Acq: 16 Mar 2015 11:50

Instrument :

BNA_M

ClientSampleId :

SSTD0.284

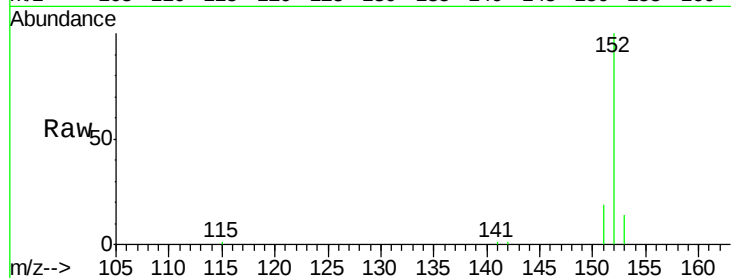
Tgt Ion:152 Resp: 9390

Ion Ratio Lower Upper

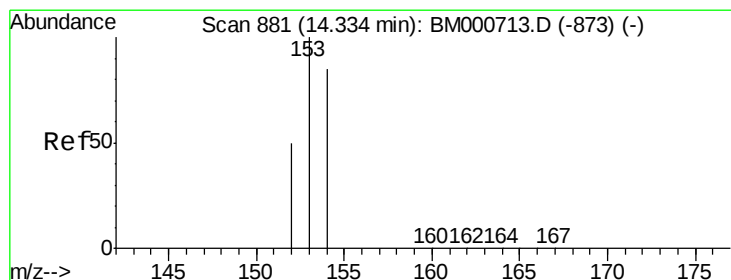
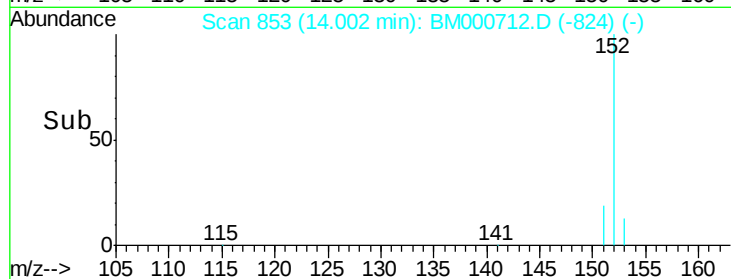
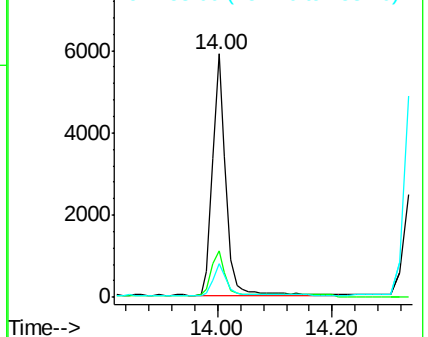
152 100

151 19.3 15.0 22.4

153 13.8 10.5 15.7



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



#8

Acenaphthene

Concen: 0.20 ng/ul

RT: 14.33 min Scan# 881

Delta R.T. -0.00 min

Lab File: BM000712.D

Acq: 16 Mar 2015 11:50

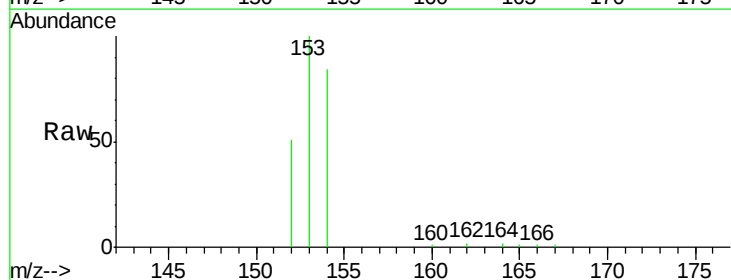
Tgt Ion:153 Resp: 7381

Ion Ratio Lower Upper

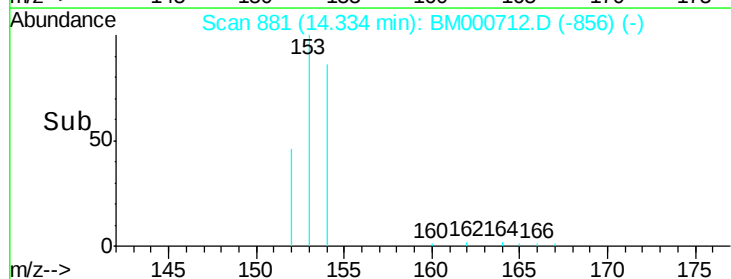
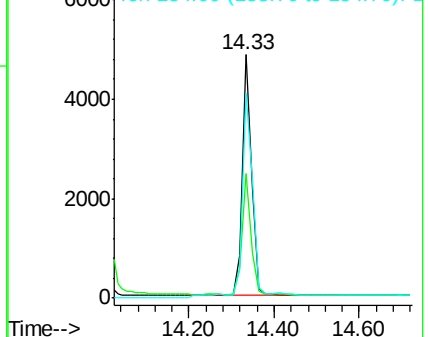
153 100

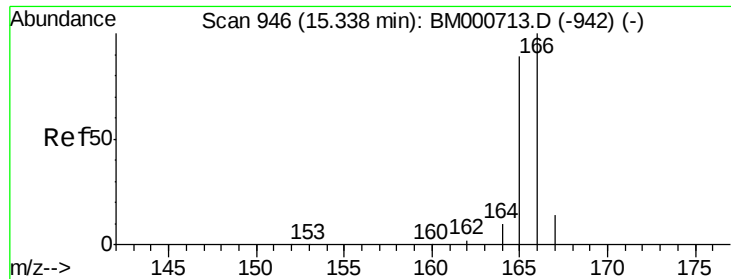
152 51.0 40.2 60.4

154 84.2 68.0 102.0



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

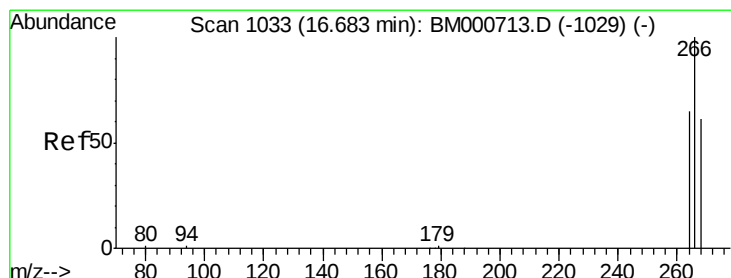
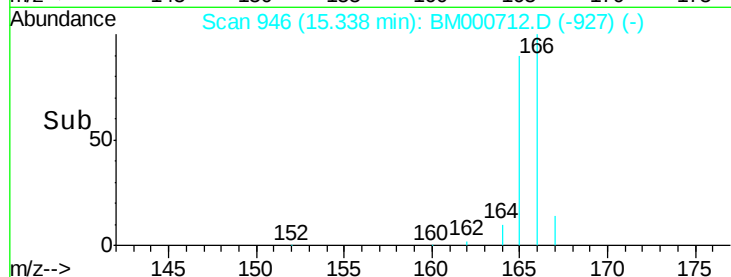
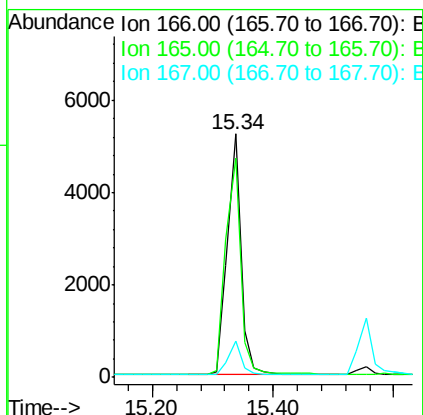
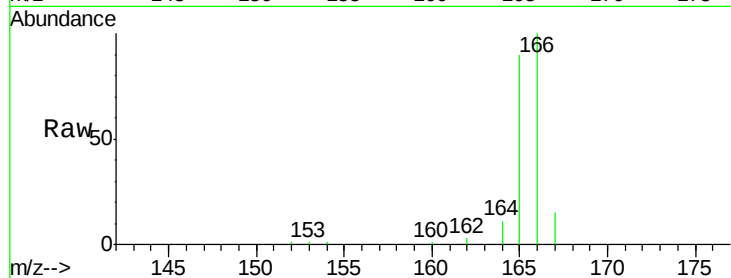




#9
Fluorene
 Concen: 0.19 ng/ul
 RT: 15.34 min Scan# 946
 Delta R.T. -0.00 min
 Lab File: BM000712.D
 Acq: 16 Mar 2015 11:50

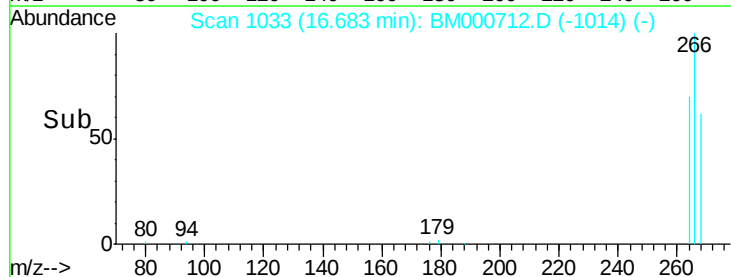
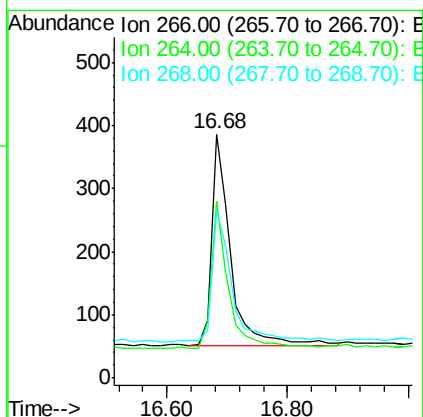
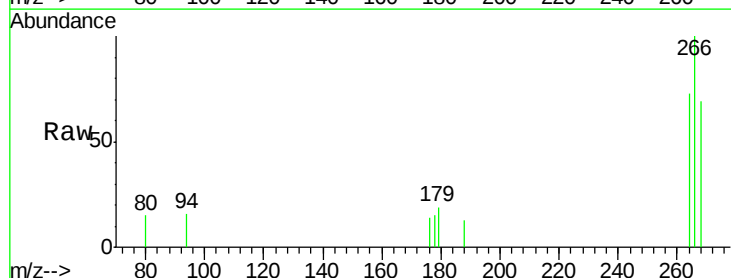
Instrument :
 BNA_M
 ClientSampleId :
 SST0.284

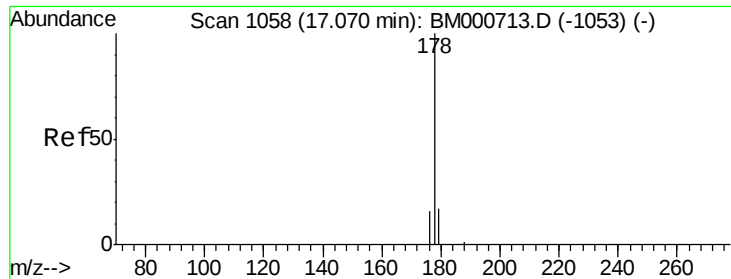
Tgt Ion:166 Resp: 8285
 Ion Ratio Lower Upper
 166 100
 165 89.8 71.0 106.4
 167 14.8 11.4 17.2



#11
Pentachlorophenol
 Concen: 0.32 ng/ul
 RT: 16.68 min Scan# 1033
 Delta R.T. -0.00 min
 Lab File: BM000712.D
 Acq: 16 Mar 2015 11:50

Tgt Ion:266 Resp: 755
 Ion Ratio Lower Upper
 266 100
 264 62.3 50.3 75.5
 268 63.8 50.5 75.7





#12

Phenanthrene

Concen: 0.20 ng/ul

RT: 17.07 min Scan# 1058

Delta R.T. -0.00 min

Lab File: BM000712.D

Acq: 16 Mar 2015 11:50

Instrument :

BNA_M

ClientSampleId :

SSTD0.284

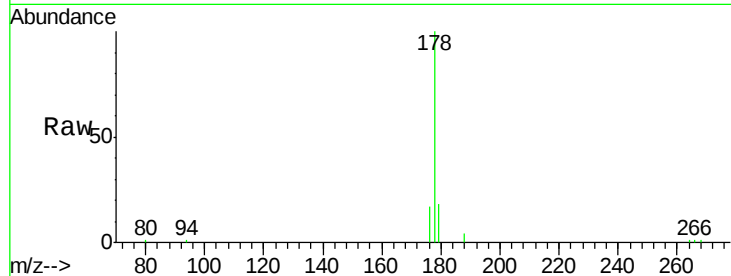
Tgt Ion:178 Resp: 12617

Ion Ratio Lower Upper

178 100

176 17.0 13.1 19.7

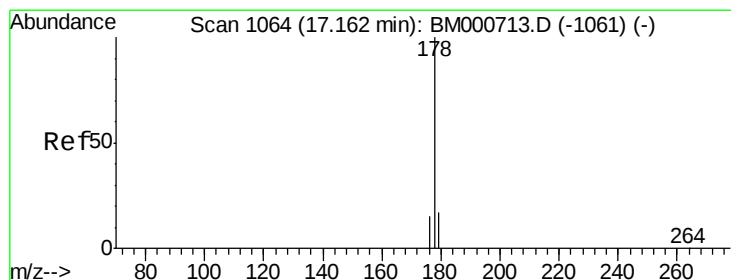
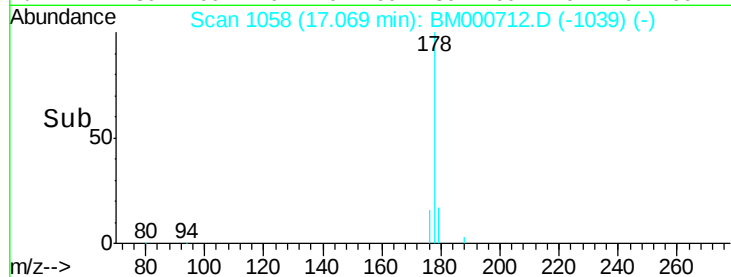
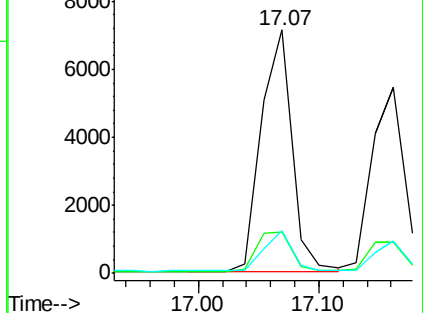
179 17.5 13.4 20.2



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: 0.19 ng/ul

RT: 17.16 min Scan# 1064

Delta R.T. -0.00 min

Lab File: BM000712.D

Acq: 16 Mar 2015 11:50

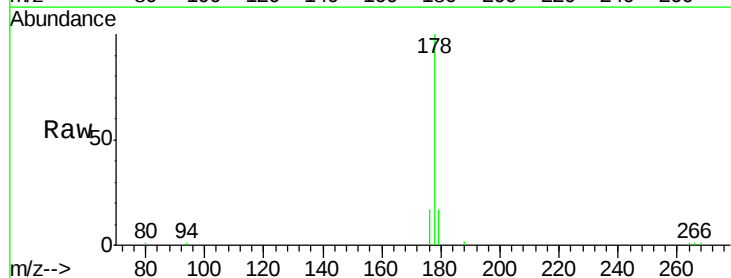
Tgt Ion:178 Resp: 11128

Ion Ratio Lower Upper

178 100

176 16.8 12.5 18.7

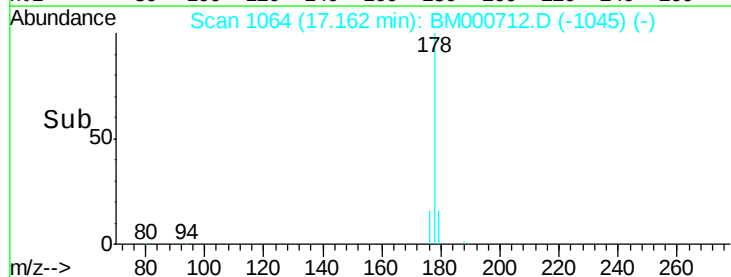
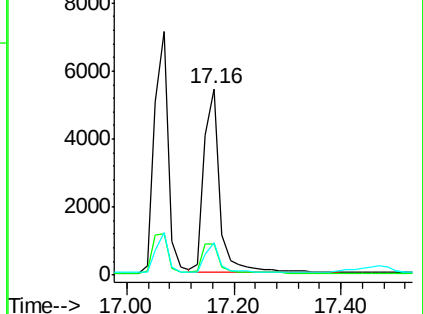
179 17.4 13.9 20.9

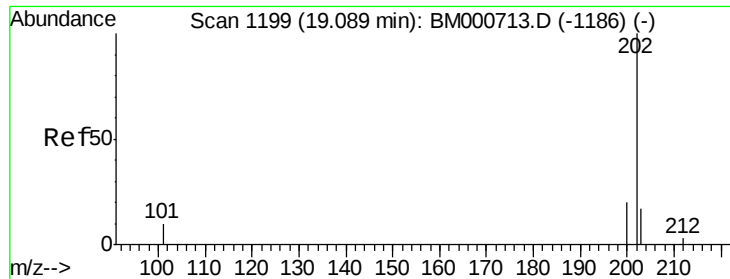


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#15

Fluoranthene

Concen: 0.18 ng/ul

RT: 19.09 min Scan# 1199

Delta R.T. -0.00 min

Lab File: BM000712.D

Acq: 16 Mar 2015 11:50

Instrument :

BNA_M

ClientSampleId :

SSTD0.284

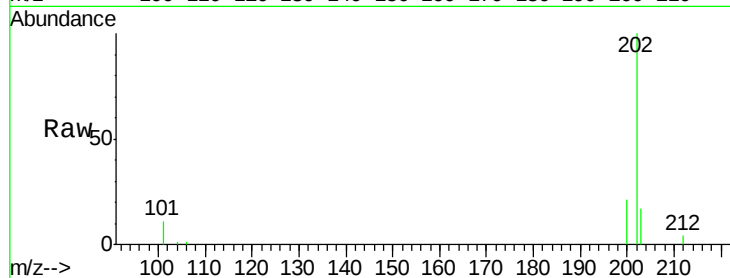
Tgt Ion:202 Resp: 13085

Ion Ratio Lower Upper

202 100

101 10.9 0.0 29.9

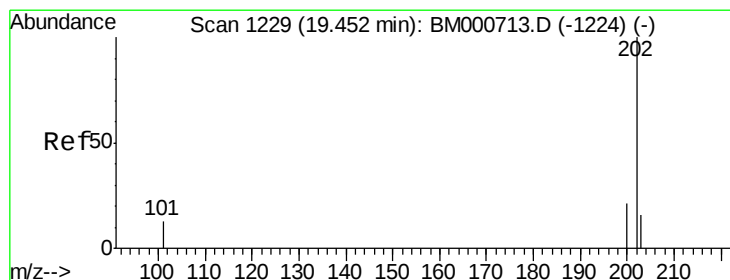
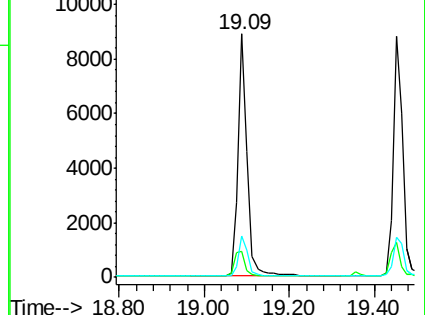
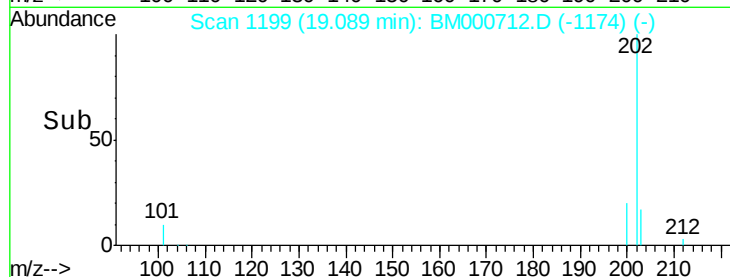
203 17.1 0.0 36.9



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: 0.21 ng/ul

RT: 19.45 min Scan# 1229

Delta R.T. -0.00 min

Lab File: BM000712.D

Acq: 16 Mar 2015 11:50

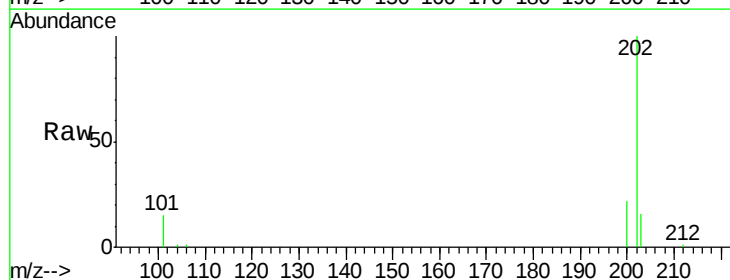
Tgt Ion:202 Resp: 13570

Ion Ratio Lower Upper

202 100

200 22.0 17.2 25.8

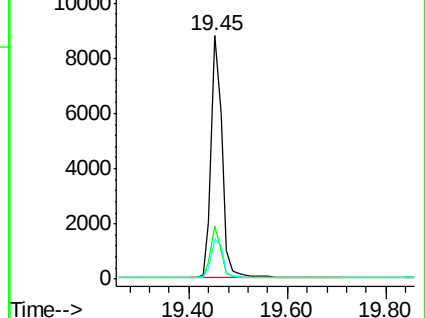
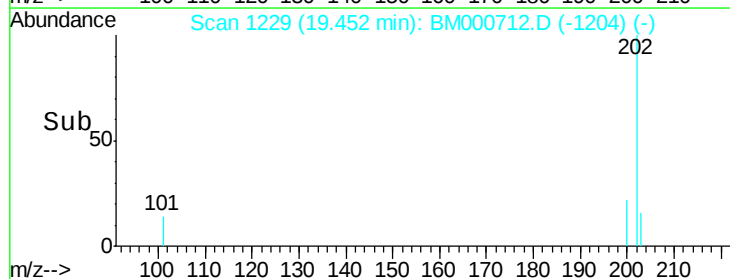
203 16.5 13.1 19.7

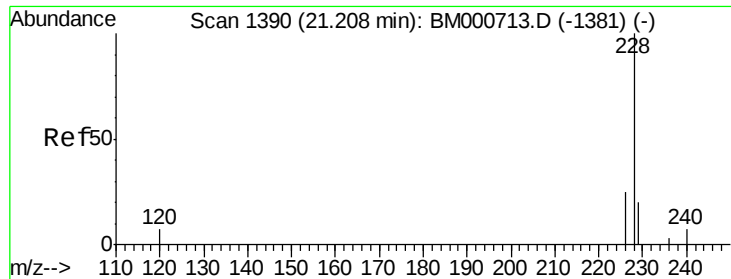


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#18

Benzo(a)anthracene

Concen: 0.20 ng/ul

RT: 21.21 min Scan# 1390

Delta R.T. -0.00 min

Lab File: BM000712.D

Acq: 16 Mar 2015 11:50

Instrument :

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ClientSampleId :

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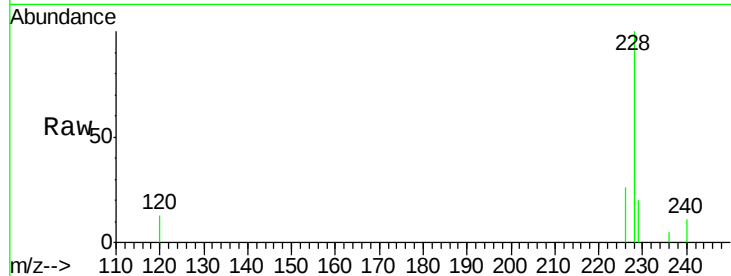
Tgt Ion:228 Resp: 10258

Ion Ratio Lower Upper

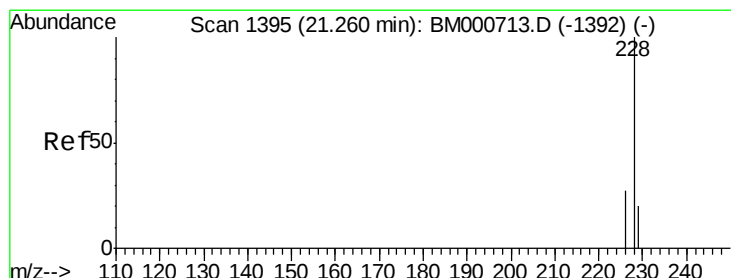
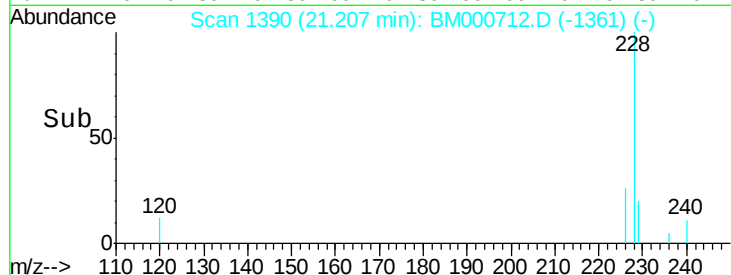
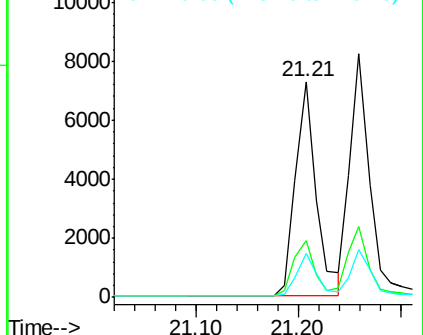
228 100

226 26.1 19.9 29.9

229 20.2 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: 0.19 ng/ul

RT: 21.26 min Scan# 1395

Delta R.T. -0.00 min

Lab File: BM000712.D

Acq: 16 Mar 2015 11:50

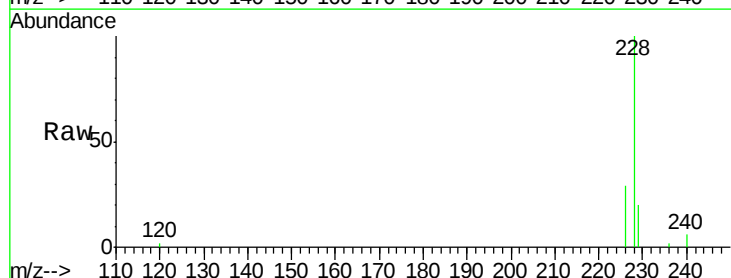
Tgt Ion:228 Resp: 11721

Ion Ratio Lower Upper

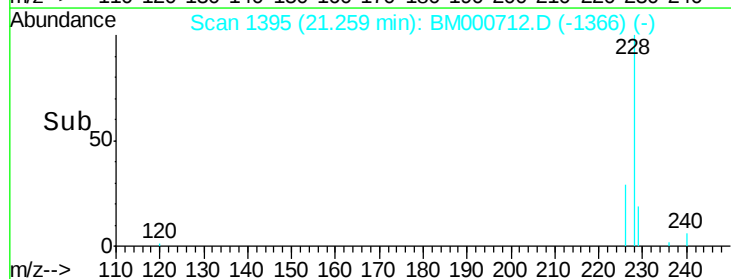
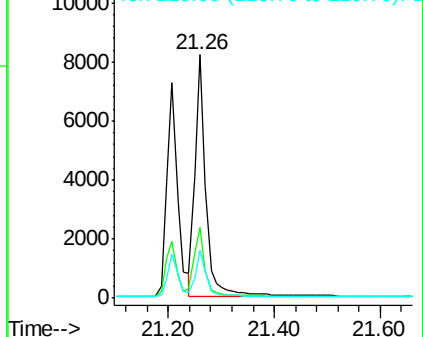
228 100

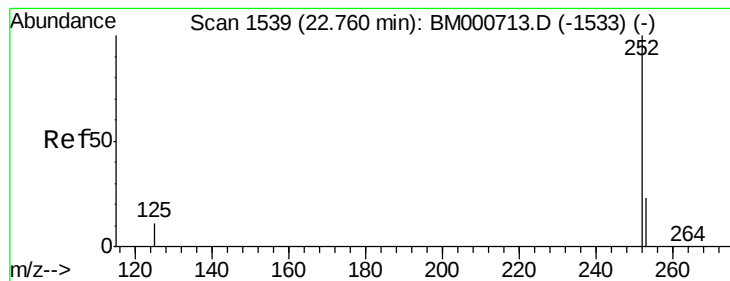
226 29.0 21.3 31.9

229 19.6 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: 0.19 ng/u1

RT: 22.76 min Scan# 1539

Delta R.T. -0.00 min

Lab File: BM000712.D

Acq: 16 Mar 2015 11:50

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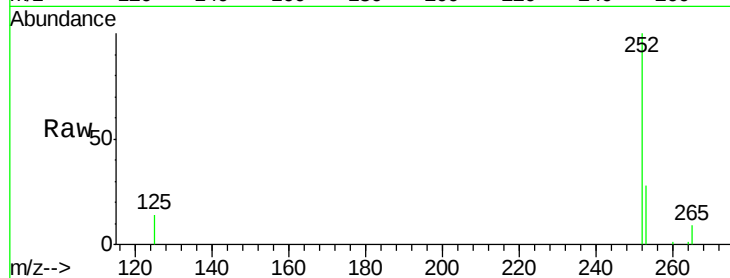
Tgt Ion:252 Resp: 11036

Ion Ratio Lower Upper

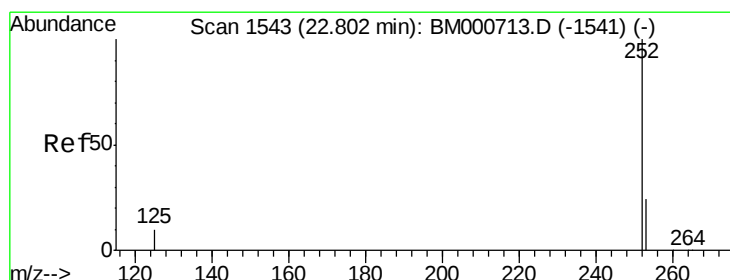
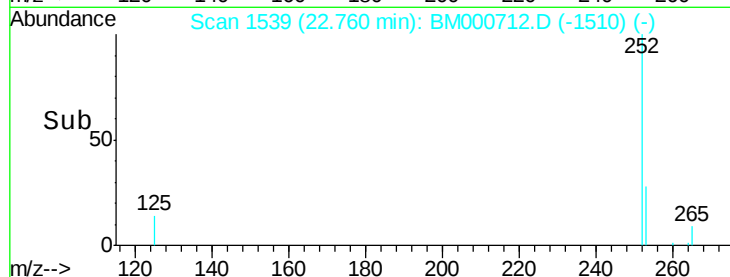
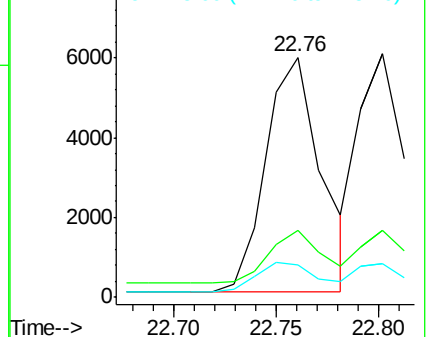
252 100

253 27.7 0.0 50.4

125 13.6 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: 0.20 ng/u1

RT: 22.80 min Scan# 1543

Delta R.T. -0.00 min

Lab File: BM000712.D

Acq: 16 Mar 2015 11:50

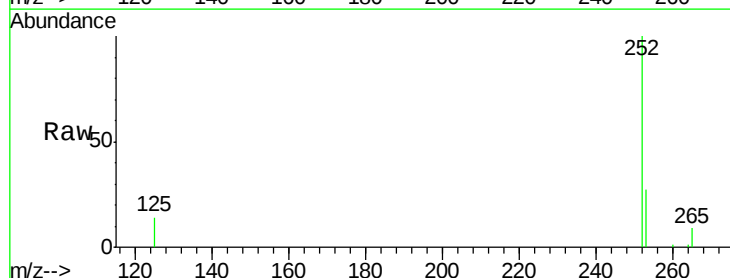
Tgt Ion:252 Resp: 10870

Ion Ratio Lower Upper

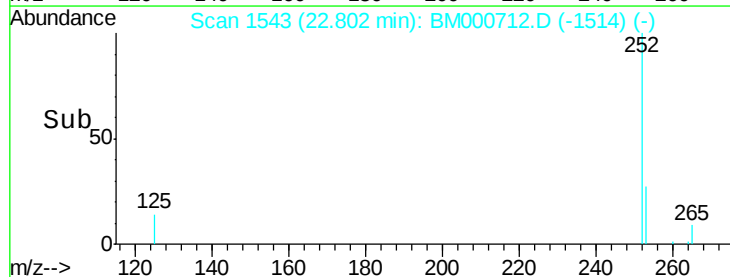
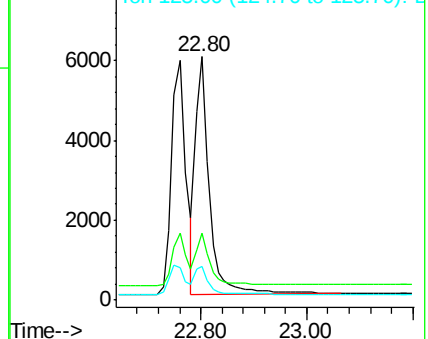
252 100

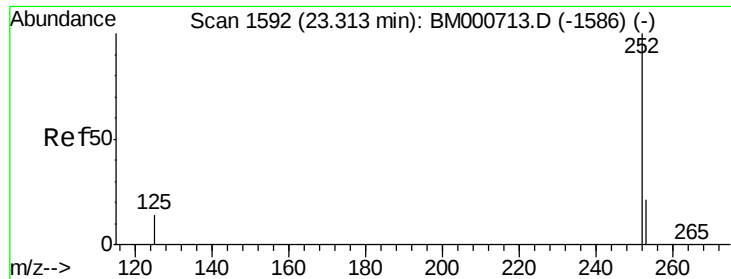
253 27.4 19.7 29.5

125 13.9 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: 0.20 ng/ul

RT: 23.31 min Scan# 1592

Delta R.T. -0.00 min

Lab File: BM000712.D

Acq: 16 Mar 2015 11:50

Instrument :

BNA_M

ClientSampleId :

SSTD0.284

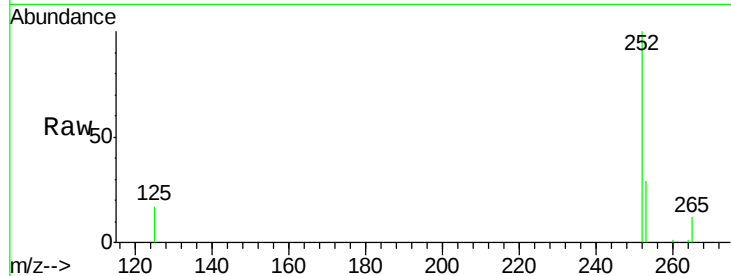
Tgt Ion:252 Resp: 10340

Ion Ratio Lower Upper

252 100

253 28.6 19.0 28.4#

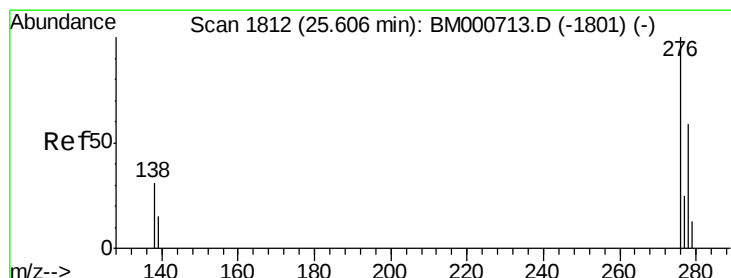
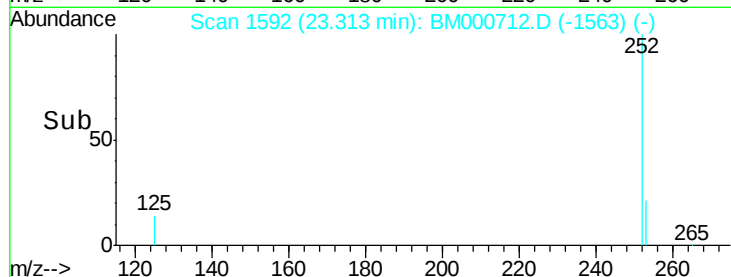
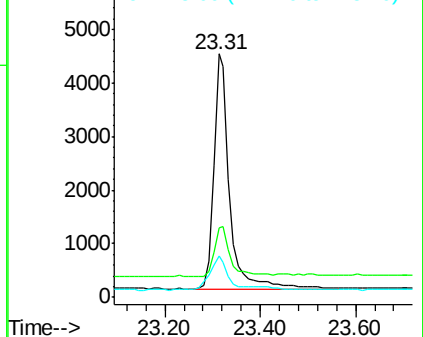
125 17.2 11.9 17.9



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

Indeno(1,2,3-cd)pyrene

Concen: 0.20 ng/ul

RT: 25.61 min Scan# 1812

Delta R.T. -0.00 min

Lab File: BM000712.D

Acq: 16 Mar 2015 11:50

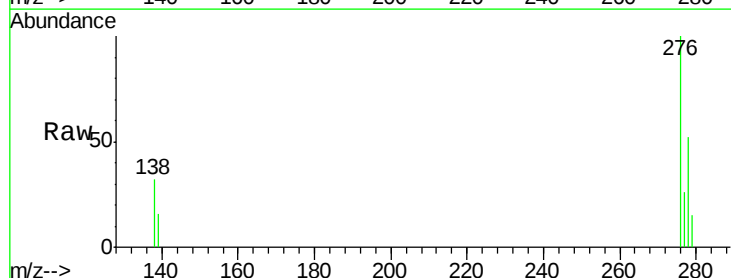
Tgt Ion:276 Resp: 11462

Ion Ratio Lower Upper

276 100

138 31.9 25.3 37.9

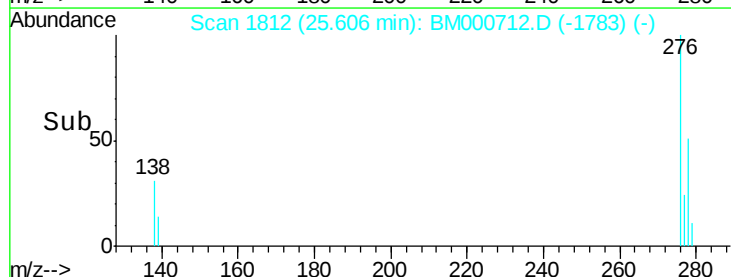
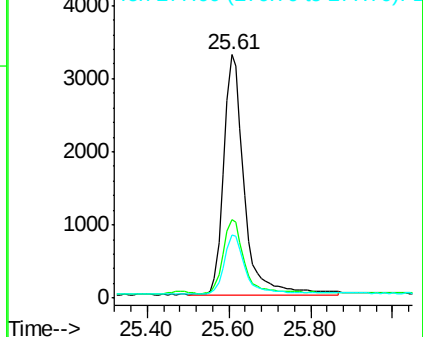
277 25.1 19.8 29.8

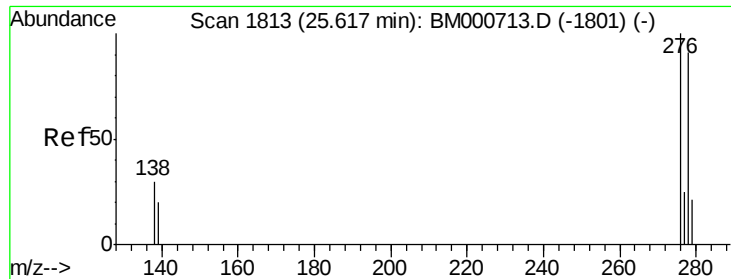


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E

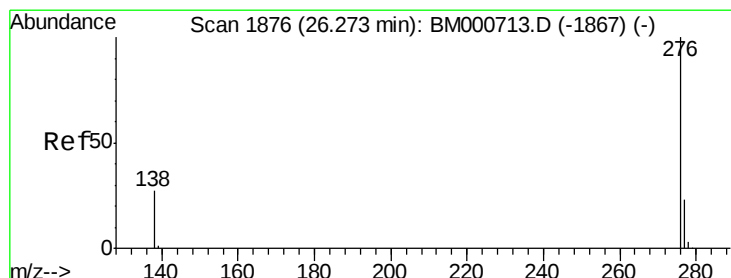
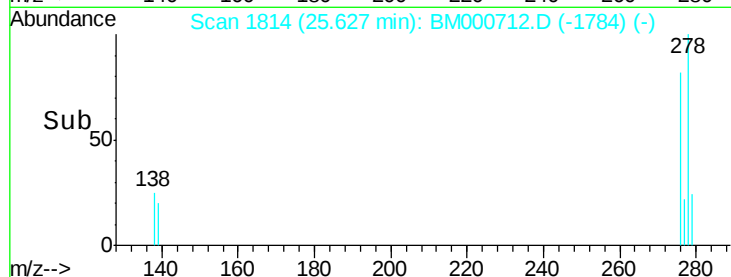
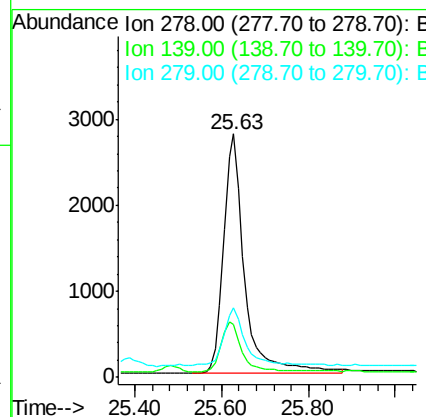
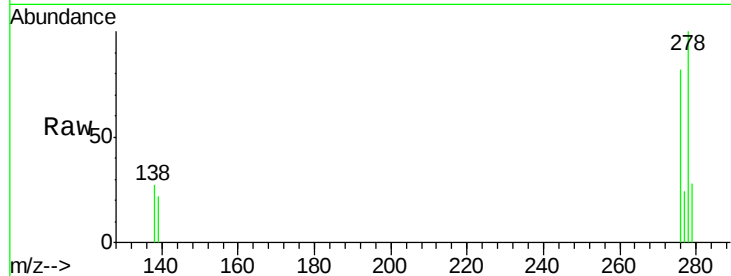




#25
Dibenzo(a,h)anthracene
Concen: 0.20 ng/ul
RT: 25.63 min Scan# 1814
Delta R.T. 0.01 min
Lab File: BM000712.D
Acq: 16 Mar 2015 11:50

Instrument :
BNA_M
ClientSampleId :
SSTD0.284

Tgt Ion: 278 Resp: 9212
Ion Ratio Lower Upper
278 100
139 21.9 18.4 27.6
279 28.4 20.3 30.5



#26
Benzo(g,h,i)perylene
Concen: 0.20 ng/ul
RT: 26.28 min Scan# 1877
Delta R.T. 0.01 min
Lab File: BM000712.D
Acq: 16 Mar 2015 11:50

Tgt Ion: 276 Resp: 10070
Ion Ratio Lower Upper
276 100
277 25.4 18.9 28.3
138 28.4 22.2 33.4

