

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM010715\
 Data File : BM000122.D
 Acq On : 07 Jan 2015 10:57
 Operator : TP/IZ
 Sample : SSTD0.416
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 SSTD0.416

Quant Time: Jan 08 01:41:32 2015
 Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-SIM-BM010715.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Jan 08 01:34:24 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.84	152	3041	0.40	ng/ul	0.00
2) Naphthalene-d8	10.64	136	9993	0.40	ng/ul	0.00
6) Acenaphthene-d10	14.47	164	5977	0.40	ng/ul	0.00
10) Phenanthrene-d10	17.21	188	11128	0.40	ng/ul	0.00
16) Chrysene-d12	21.41	240	9449	0.40	ng/ul	0.00
20) Perylene-d12	23.70	264	8513	0.40	ng/ul	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) 2-Methylnaphthalene-d10	12.22	152	5184	0.39	ng/ul	0.00
14) Fluoranthene-d10	19.25	212	9388	0.39	ng/ul	0.00

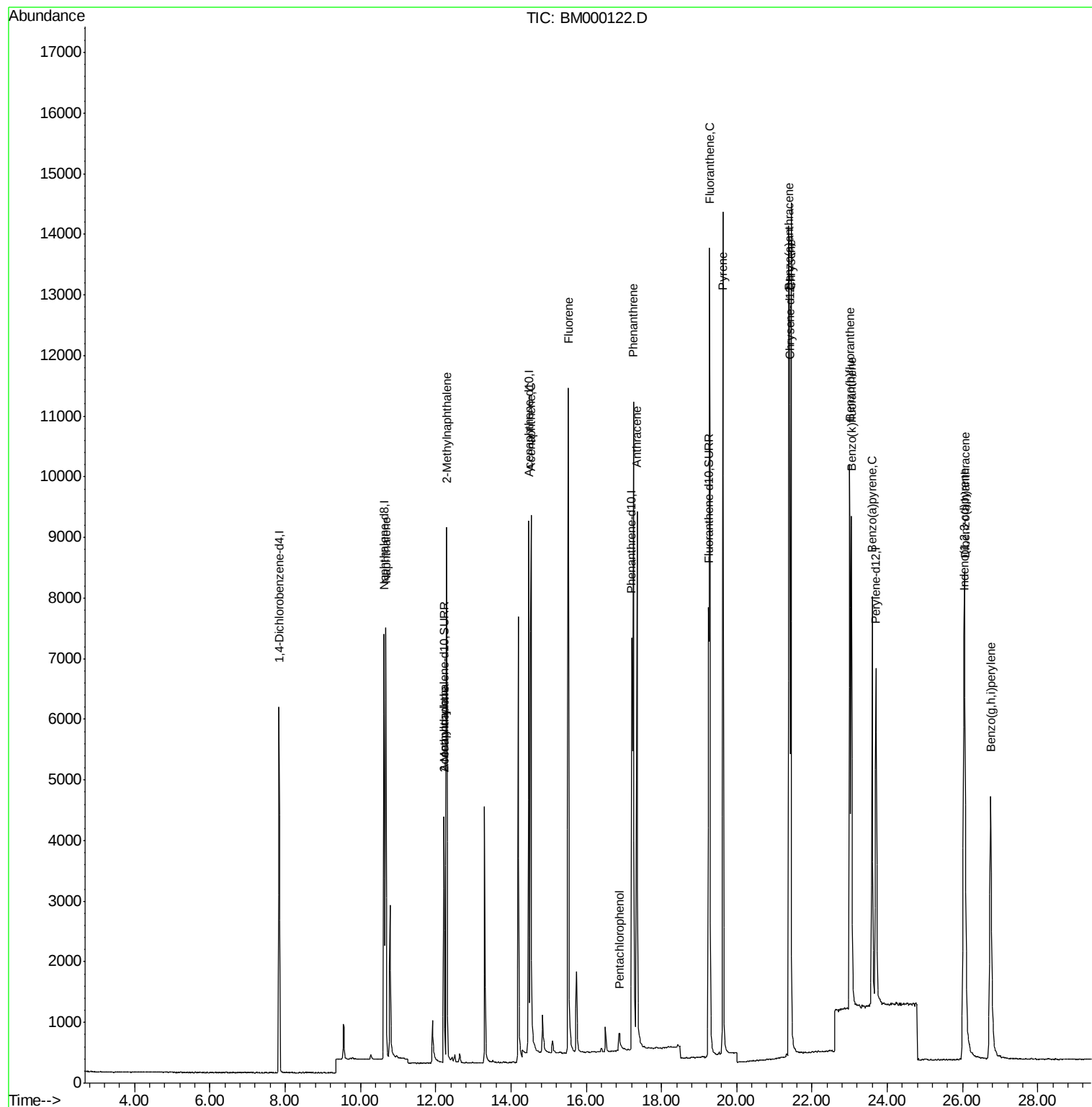
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Naphthalene	10.68	128	10397	0.39	ng/ul	100
5) 2-Methylnaphthalene	12.29	142	6928	0.39	ng/ul	100
7) Acenaphthylene	12.22	152	5184	0.39	ng/ul	100
8) Acenaphthene	14.54	153	7147	0.38	ng/ul	100
9) Fluorene	15.52	166	8429	0.39	ng/ul	100
11) Pentachlorophenol	16.88	266	537	0.31	ng/ul	99
12) Phenanthrene	17.26	178	13339	0.39	ng/ul	100
13) Anthracene	17.35	178	12279	0.38	ng/ul	100
15) Fluoranthene	19.27	202	14651	0.39	ng/ul	100
17) Pyrene	19.64	202	15131	0.38	ng/ul	100
18) Benzo(a)anthracene	21.39	228	12314	0.40	ng/ul	100
19) Chrysene	21.44	228	13173	0.39	ng/ul	100
21) Benzo(b)fluoranthene	23.00	252	12248	0.37	ng/ul	100
22) Benzo(k)fluoranthene	23.05	252	13078	0.41	ng/ul	100
23) Benzo(a)pyrene	23.60	252	11835	0.39	ng/ul	100
24) Indeno(1,2,3-cd)pyrene	26.03	276	13302	0.38	ng/ul	100
25) Dibenzo(a,h)anthracene	26.06	278	10619	0.39	ng/ul	100
26) Benzo(g,h,i)perylene	26.74	276	11987	0.39	ng/ul	100

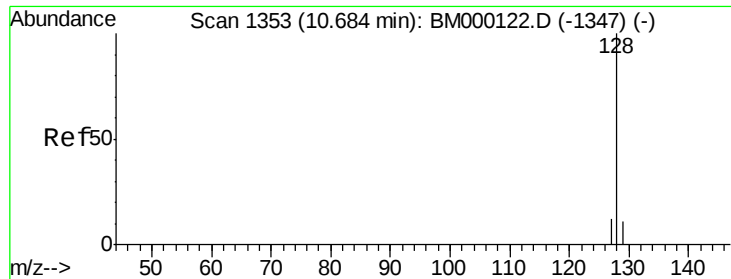
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Naphthalene

Concen: 0.39 ng/ul

RT: 10.68 min Scan# 1353

Delta R.T. 0.00 min

Lab File: BM000122.D

Acq: 07 Jan 2015 10:57

Instrument :

BNA_M

ClientSampleId :

SSTD0.416

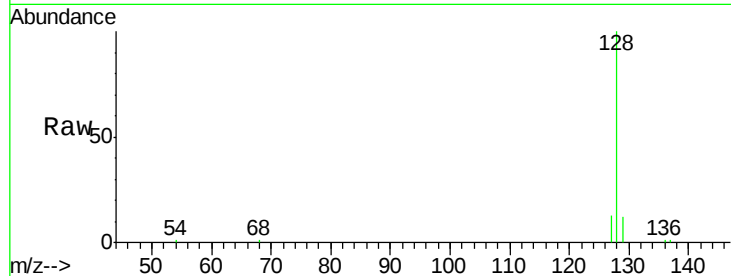
Tgt Ion:128 Resp: 10397

Ion Ratio Lower Upper

128 100

129 11.9 9.5 14.3

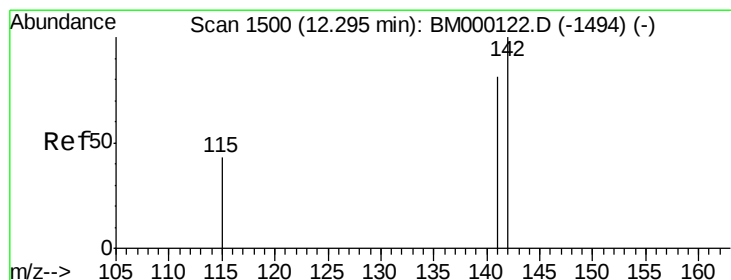
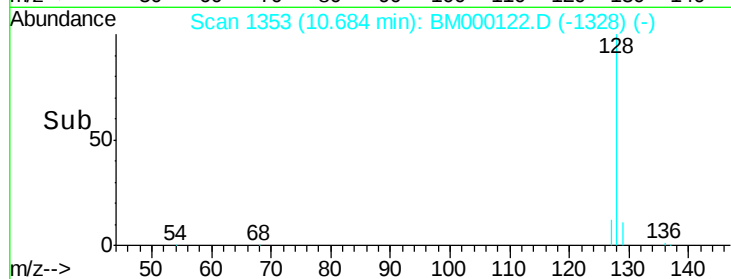
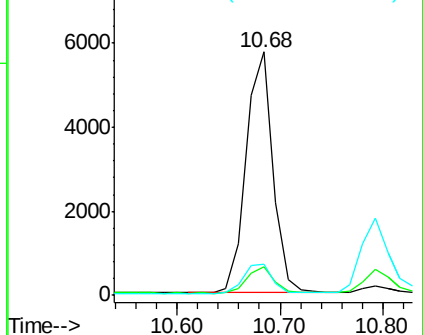
127 13.0 10.4 15.6



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: 0.39 ng/ul

RT: 12.29 min Scan# 1500

Delta R.T. 0.00 min

Lab File: BM000122.D

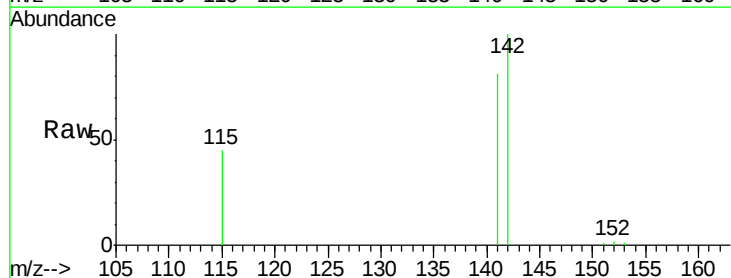
Acq: 07 Jan 2015 10:57

Tgt Ion:142 Resp: 6928

Ion Ratio Lower Upper

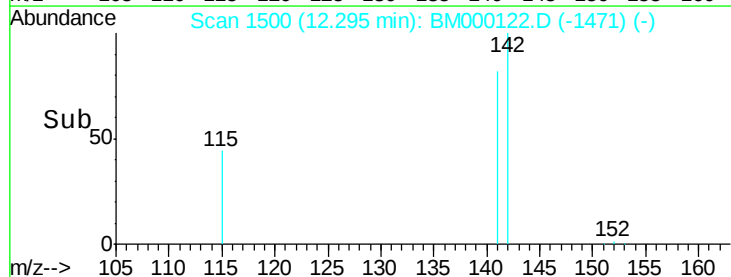
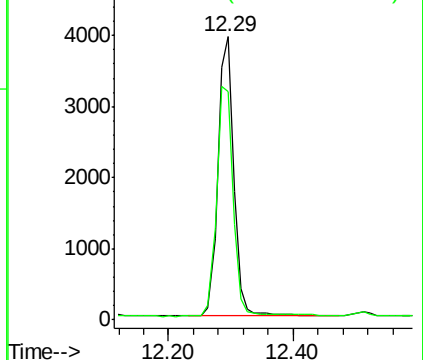
142 100

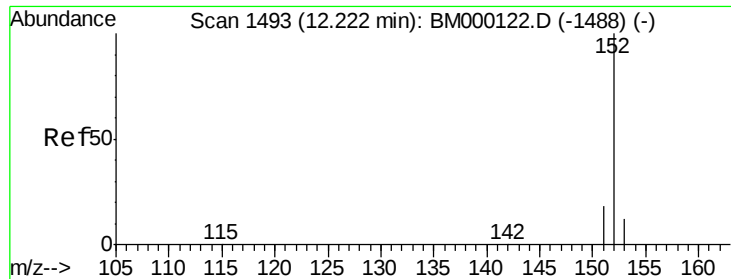
141 86.1 68.9 103.3



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#7

Acenaphthylene

Concen: 0.39 ng/ul

RT: 12.22 min Scan# 1493

Delta R.T. 0.00 min

Lab File: BM000122.D

Acq: 07 Jan 2015 10:57

Instrument :

BNA_M

ClientSampleId :

SSTD0.416

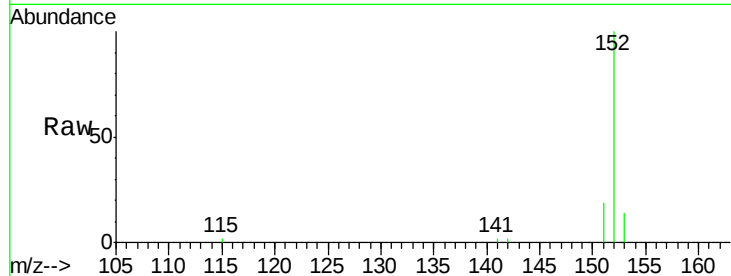
Tgt Ion:152 Resp: 5184

Ion Ratio Lower Upper

152 100

151 19.3 15.4 23.2

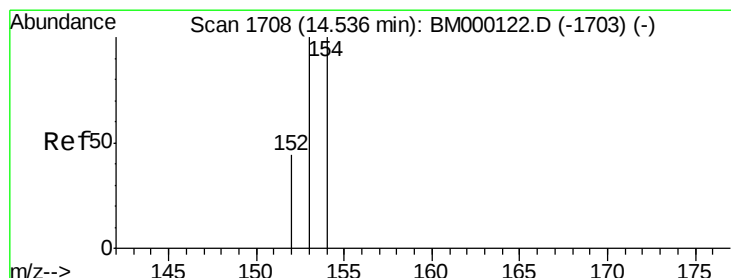
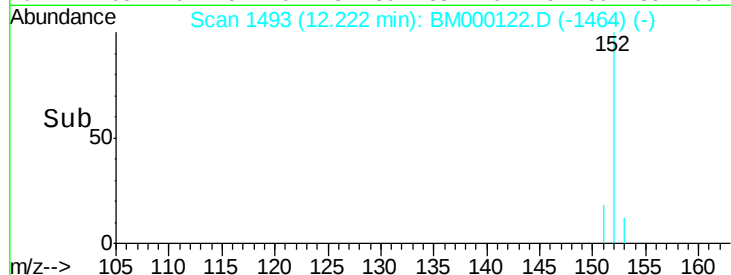
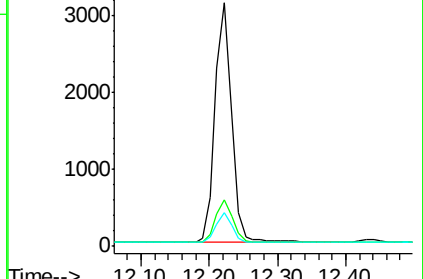
153 13.7 11.0 16.4



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: 0.38 ng/ul

RT: 14.54 min Scan# 1708

Delta R.T. 0.00 min

Lab File: BM000122.D

Acq: 07 Jan 2015 10:57

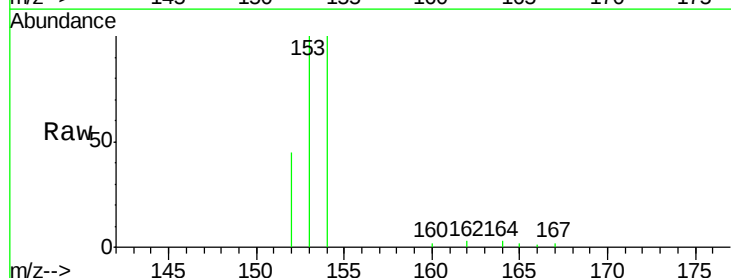
Tgt Ion:153 Resp: 7147

Ion Ratio Lower Upper

153 100

152 44.7 35.8 53.6

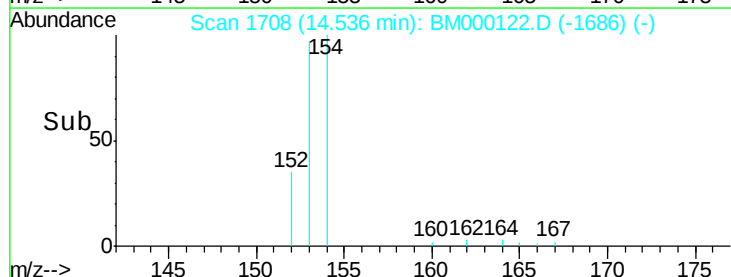
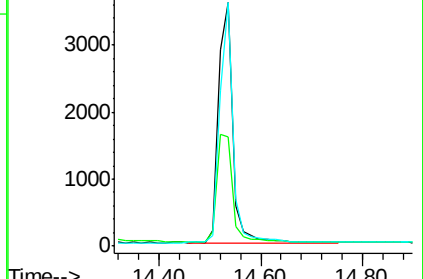
154 99.9 79.9 119.9

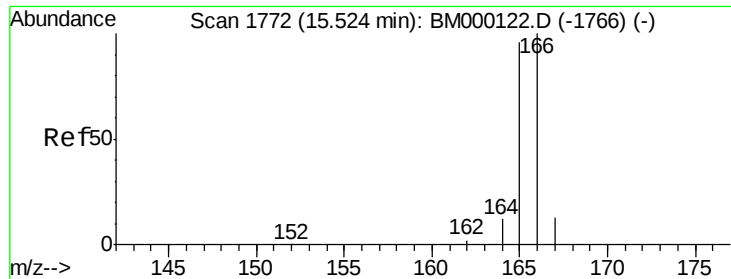


Abundance Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

Ion 154.00 (153.70 to 154.70): E





#9

Fluorene

Concen: 0.39 ng/ul

RT: 15.52 min Scan# 1772

Delta R.T. 0.00 min

Lab File: BM000122.D

Acq: 07 Jan 2015 10:57

Instrument :

BNA_M

ClientSampleId :

SSTD0.416

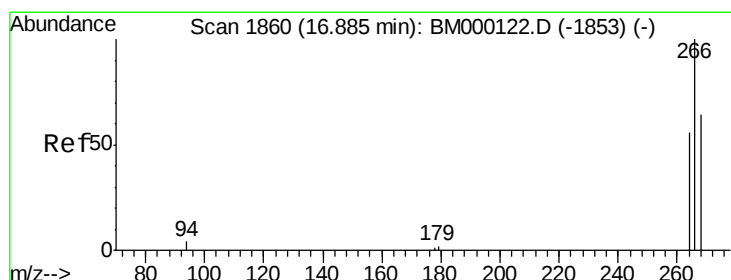
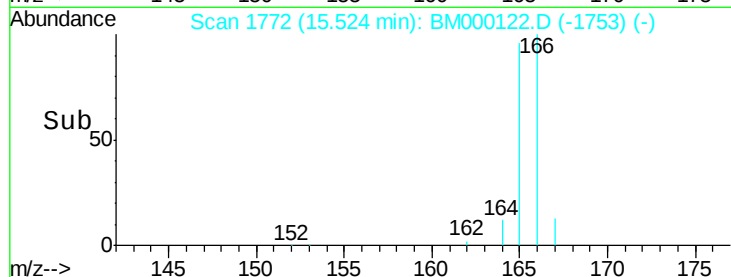
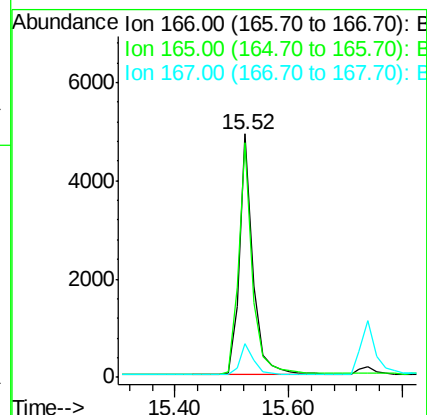
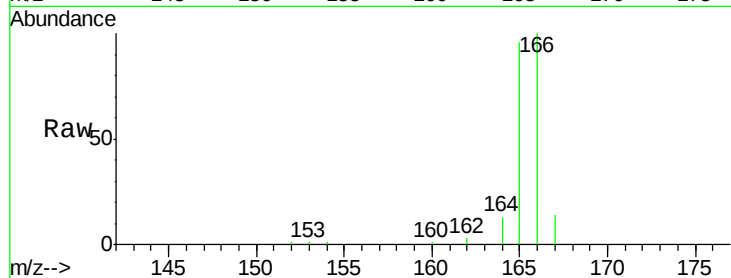
Tgt Ion:166 Resp: 8429

Ion Ratio Lower Upper

166 100

165 96.2 77.0 115.4

167 13.8 11.0 16.6



#11

Pentachlorophenol

Concen: 0.31 ng/ul

RT: 16.88 min Scan# 1860

Delta R.T. 0.00 min

Lab File: BM000122.D

Acq: 07 Jan 2015 10:57

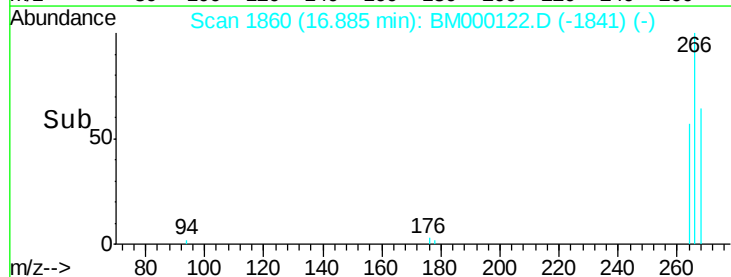
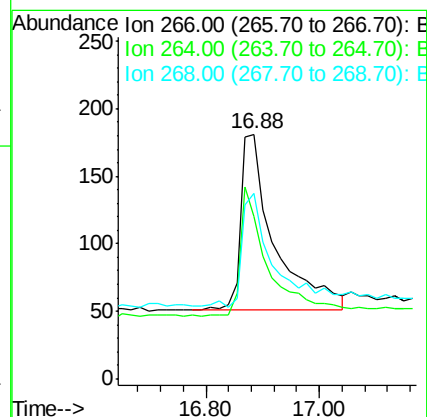
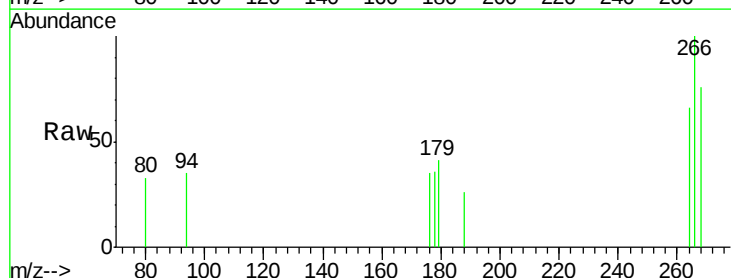
Tgt Ion:266 Resp: 537

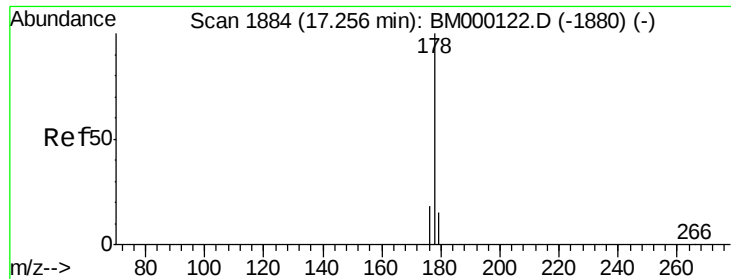
Ion Ratio Lower Upper

266 100

264 68.5 53.9 80.9

268 61.5 49.2 73.8





#12

Phenanthrene

Concen: 0.39 ng/ul

RT: 17.26 min Scan# 1884

Delta R.T. 0.00 min

Lab File: BM000122.D

Acq: 07 Jan 2015 10:57

Instrument :

BNA_M

ClientSampleId :

SSTD0.416

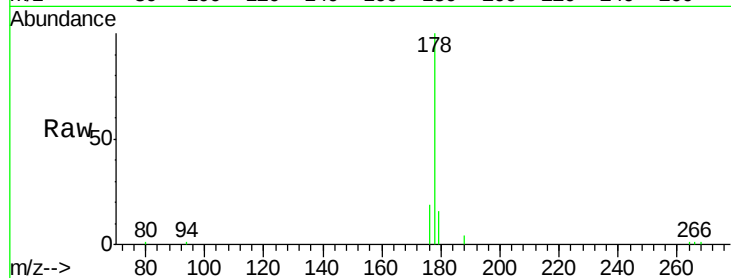
Tgt Ion:178 Resp: 13339

Ion Ratio Lower Upper

178 100

176 18.9 15.1 22.7

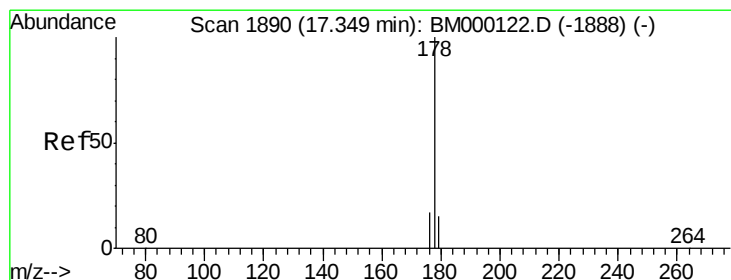
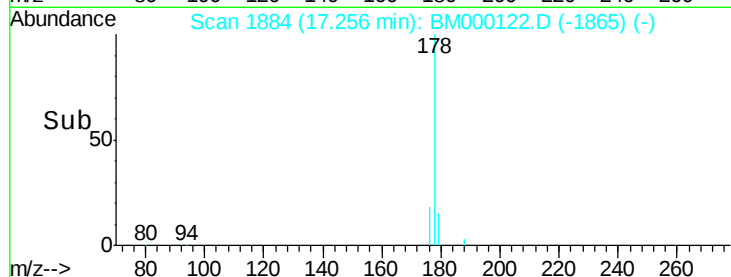
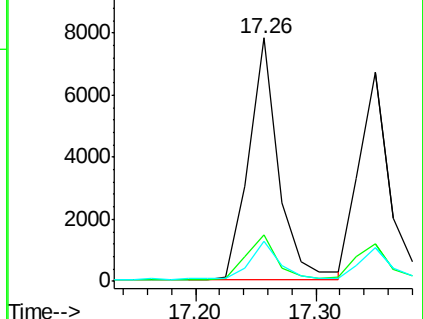
179 16.2 13.0 19.4



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: 0.38 ng/ul

RT: 17.35 min Scan# 1890

Delta R.T. 0.00 min

Lab File: BM000122.D

Acq: 07 Jan 2015 10:57

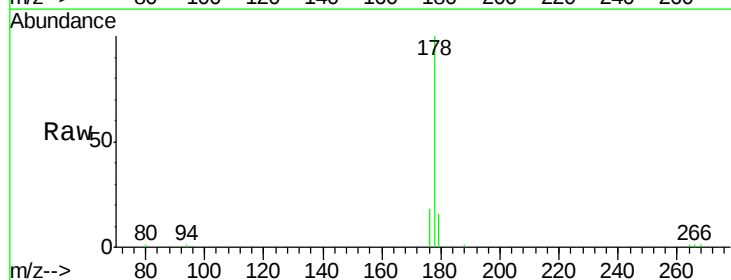
Tgt Ion:178 Resp: 12279

Ion Ratio Lower Upper

178 100

176 18.2 14.6 21.8

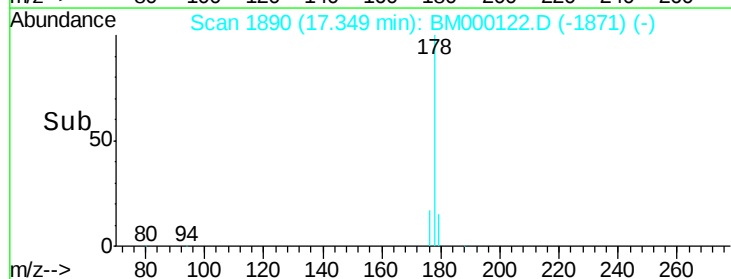
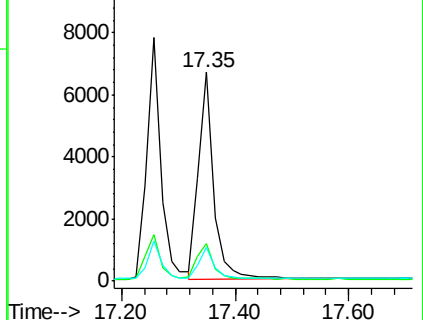
179 16.4 13.1 19.7

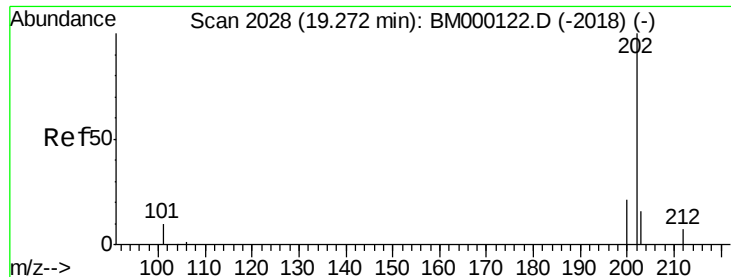


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#15

Fluoranthene

Concen: 0.39 ng/u1

RT: 19.27 min Scan# 2028

Delta R.T. 0.00 min

Lab File: BM000122.D

Acq: 07 Jan 2015 10:57

Instrument :

BNA_M

ClientSampleId :

SSTD0.416

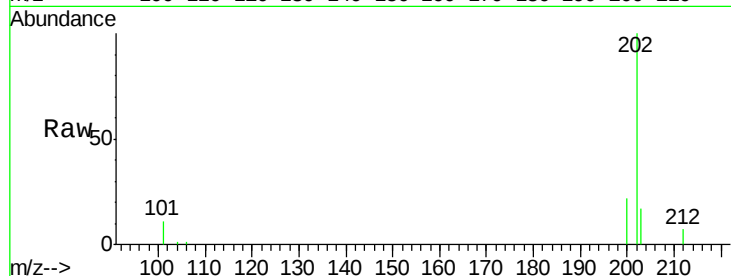
Tgt Ion:202 Resp: 14651

Ion Ratio Lower Upper

202 100

101 10.5 0.0 30.5

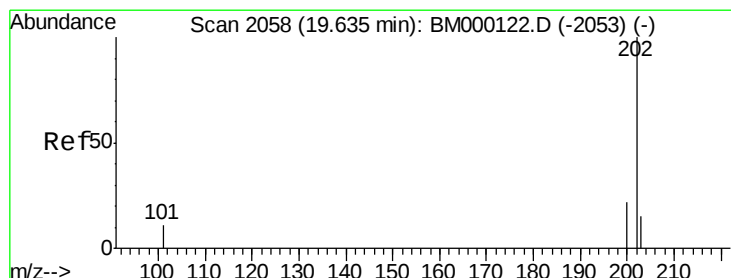
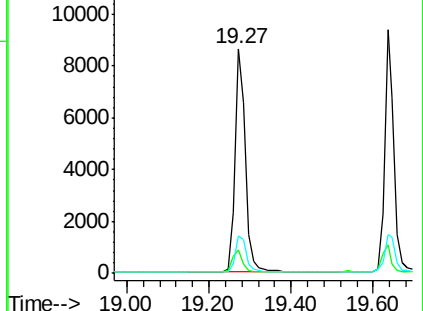
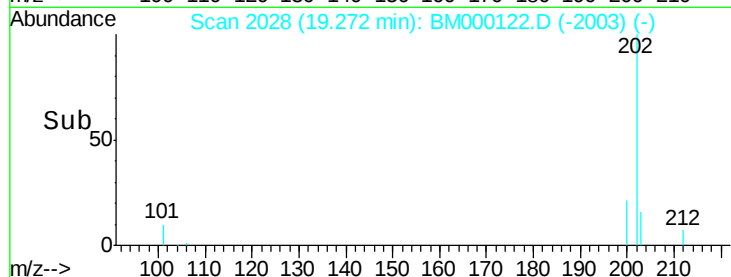
203 16.6 0.0 36.6



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: 0.38 ng/u1

RT: 19.64 min Scan# 2058

Delta R.T. 0.00 min

Lab File: BM000122.D

Acq: 07 Jan 2015 10:57

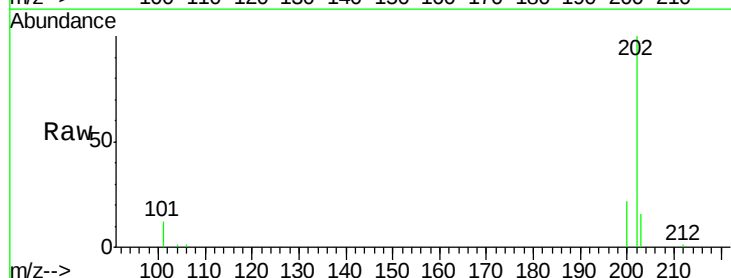
Tgt Ion:202 Resp: 15131

Ion Ratio Lower Upper

202 100

200 22.4 17.9 26.9

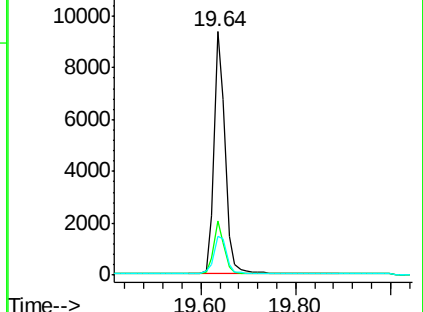
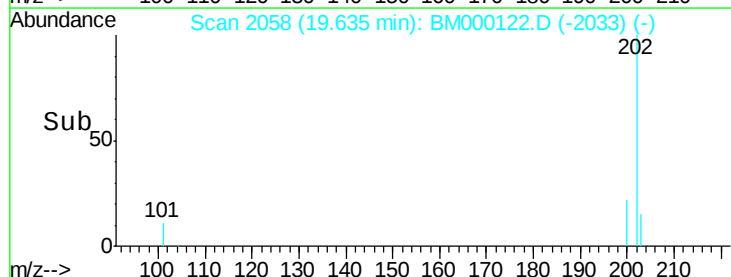
203 16.0 12.8 19.2

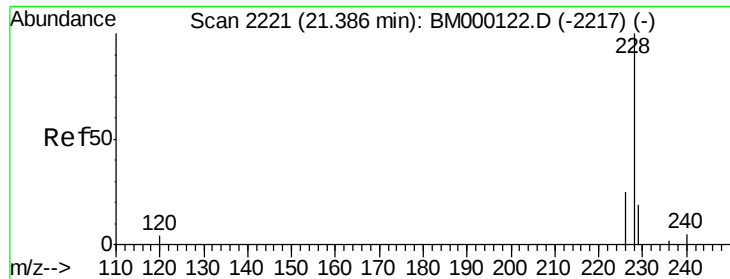


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#18

Benzo(a)anthracene

Concen: 0.40 ng/ul

RT: 21.39 min Scan# 2221

Delta R.T. 0.00 min

Lab File: BM000122.D

Acq: 07 Jan 2015 10:57

Instrument :

BNA_M

ClientSampleId :

SSTD0.416

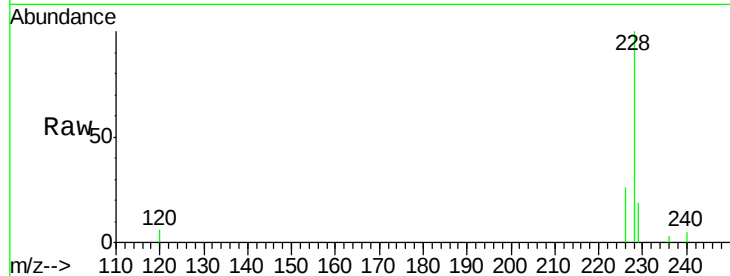
Tgt Ion:228 Resp: 12314

Ion Ratio Lower Upper

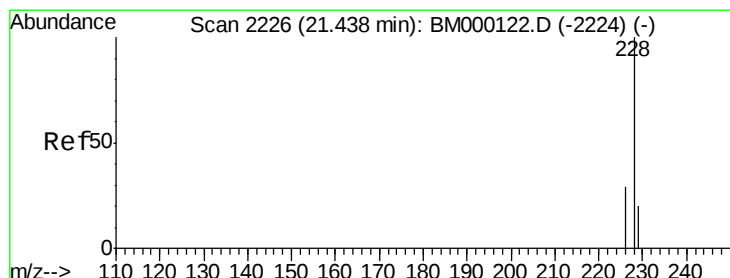
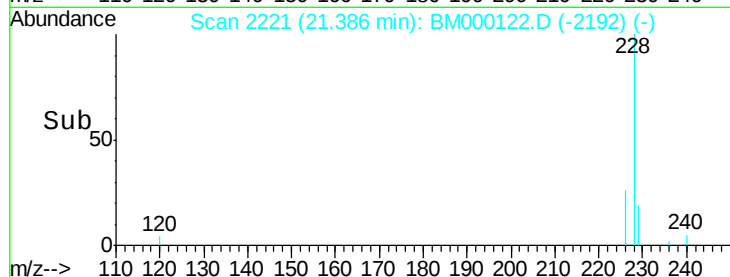
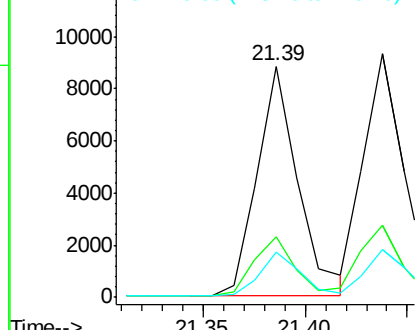
228 100

226 26.0 20.8 31.2

229 19.4 15.5 23.3



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: 0.39 ng/ul

RT: 21.44 min Scan# 2226

Delta R.T. 0.00 min

Lab File: BM000122.D

Acq: 07 Jan 2015 10:57

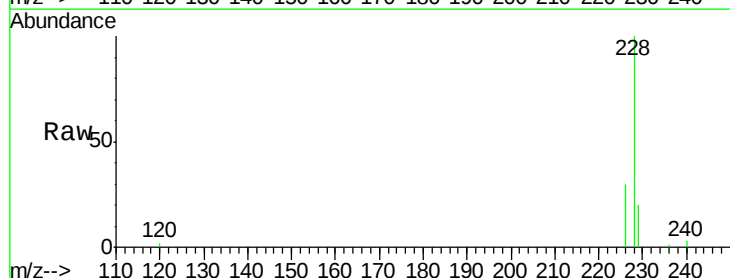
Tgt Ion:228 Resp: 13173

Ion Ratio Lower Upper

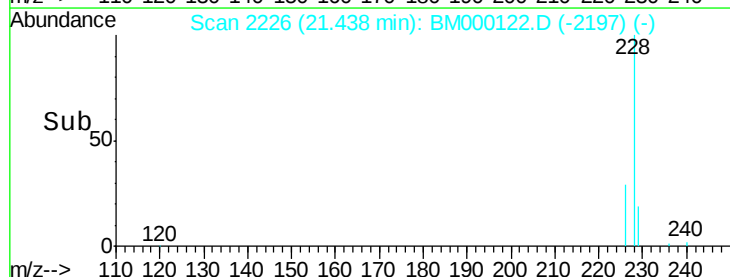
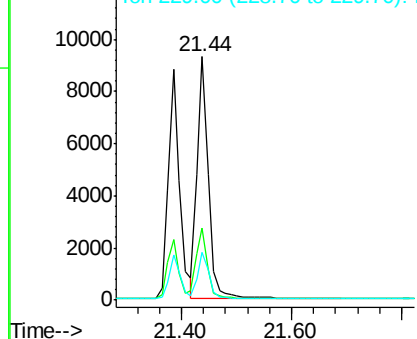
228 100

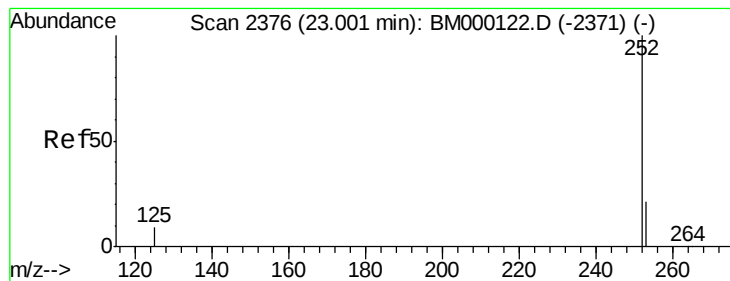
226 29.7 23.8 35.6

229 19.8 15.8 23.8



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

Benzo(b)fluoranthene

Concen: 0.37 ng/ul

RT: 23.00 min Scan# 2376

Delta R.T. 0.00 min

Lab File: BM000122.D

Acq: 07 Jan 2015 10:57

Instrument :

BNA_M

ClientSampleId :

SSTD0.416

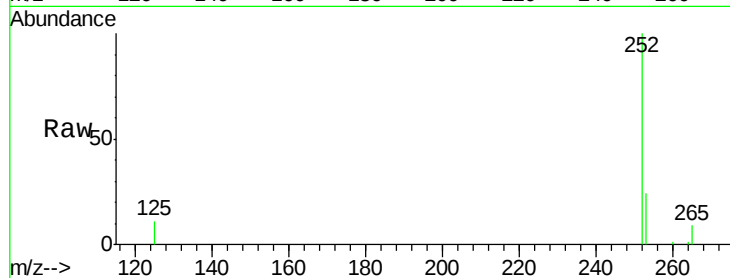
Tgt Ion:252 Resp: 12248

Ion Ratio Lower Upper

252 100

253 24.1 0.0 48.2

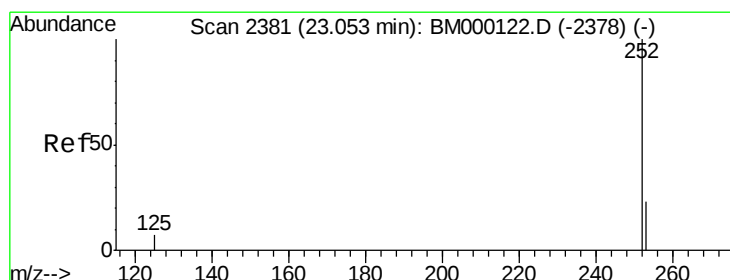
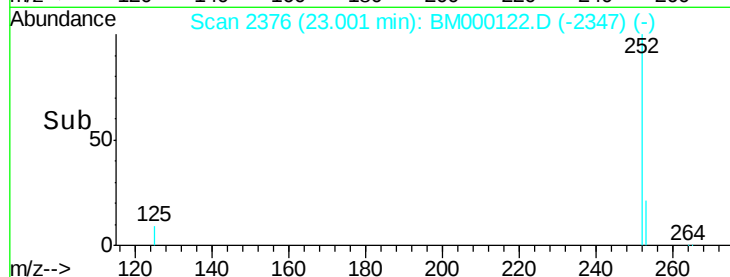
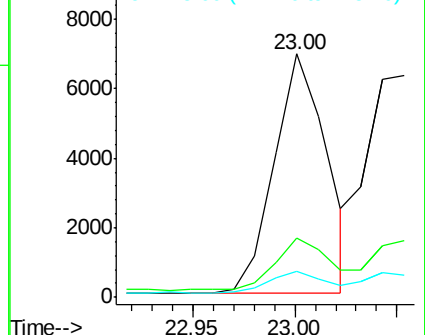
125 10.8 0.0 21.6



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



#22

Benzo(k)fluoranthene

Concen: 0.41 ng/ul

RT: 23.05 min Scan# 2381

Delta R.T. 0.00 min

Lab File: BM000122.D

Acq: 07 Jan 2015 10:57

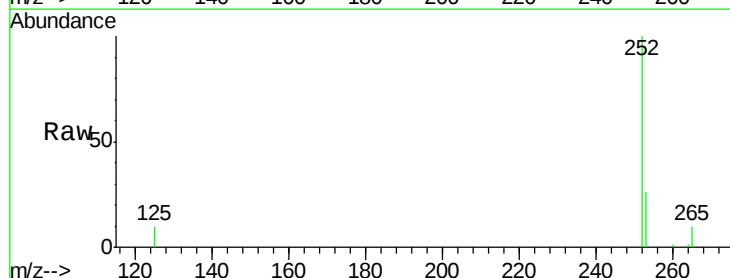
Tgt Ion:252 Resp: 13078

Ion Ratio Lower Upper

252 100

253 25.6 20.5 30.7

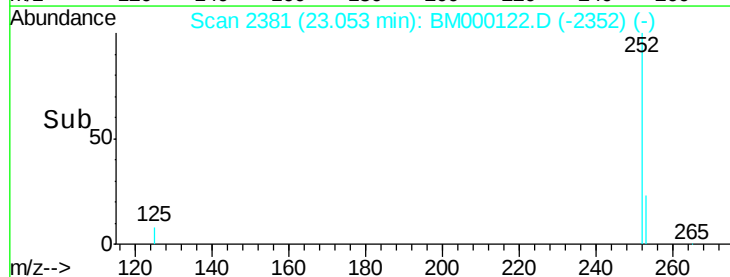
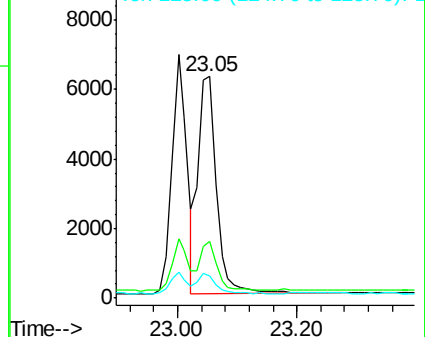
125 9.8 7.8 11.8

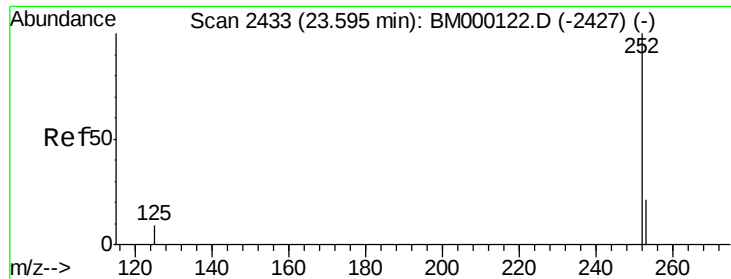


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#23

Benzo(a)pyrene

Concen: 0.39 ng/ul

RT: 23.60 min Scan# 2433

Delta R.T. 0.00 min

Lab File: BM000122.D

Acq: 07 Jan 2015 10:57

Instrument :

BNA_M

ClientSampleId :

SSTD0.416

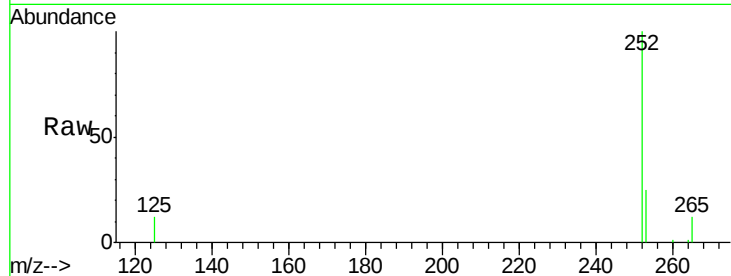
Tgt Ion:252 Resp: 11835

Ion Ratio Lower Upper

252 100

253 24.7 19.8 29.6

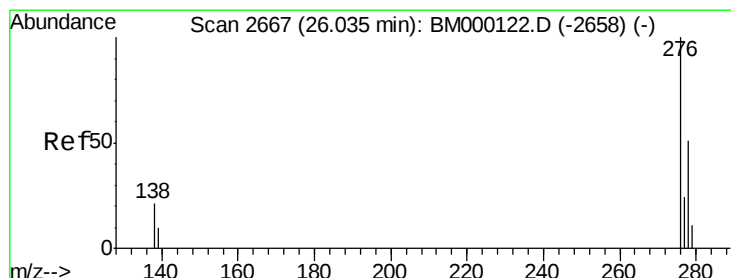
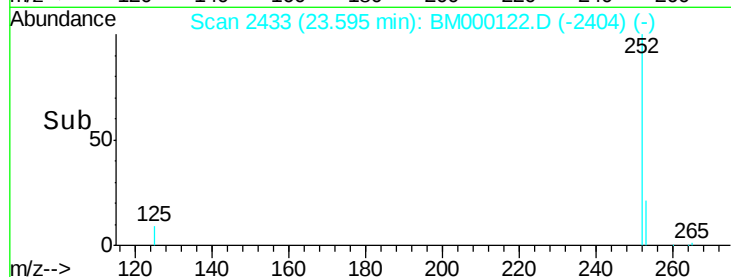
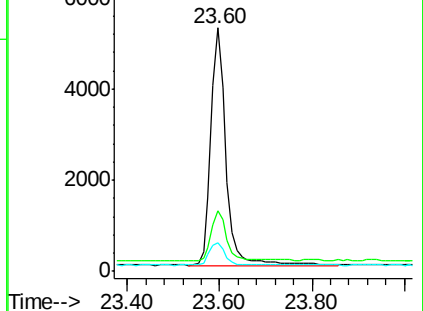
125 11.5 9.2 13.8



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: 0.38 ng/ul

RT: 26.03 min Scan# 2667

Delta R.T. 0.00 min

Lab File: BM000122.D

Acq: 07 Jan 2015 10:57

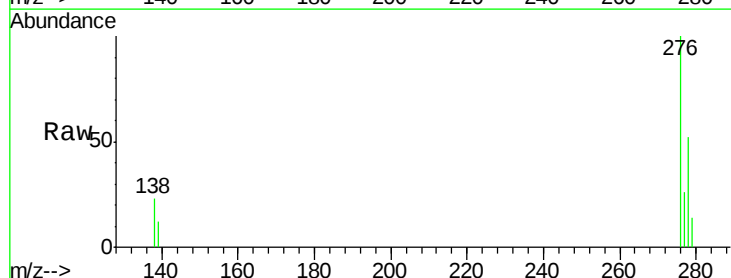
Tgt Ion:276 Resp: 13302

Ion Ratio Lower Upper

276 100

138 22.0 17.6 26.4

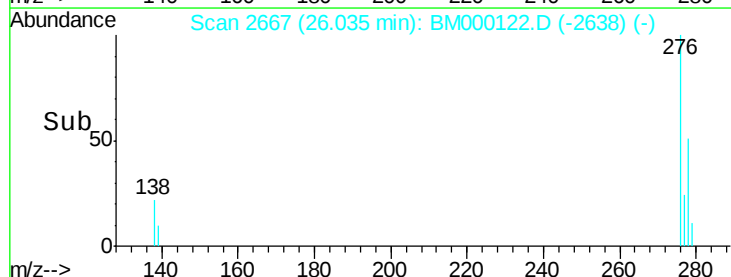
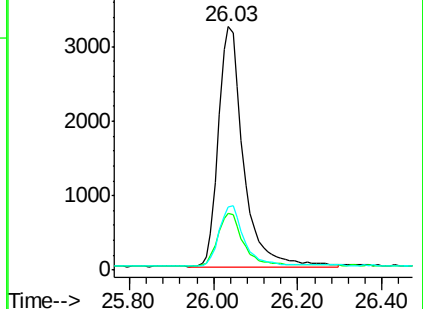
277 24.9 19.9 29.9

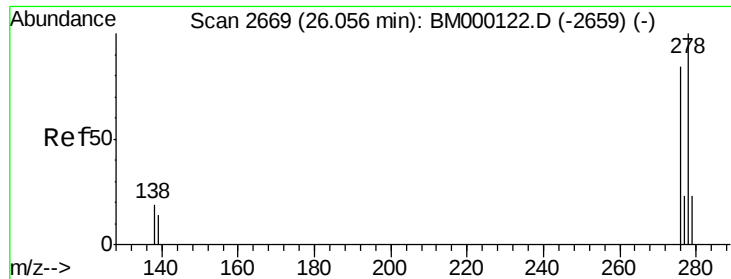


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E





#25

Dibenzo(a,h)anthracene

Concen: 0.39 ng/ul

RT: 26.06 min Scan# 2669

Delta R.T. 0.00 min

Lab File: BM000122.D

Acq: 07 Jan 2015 10:57

Instrument :

BNA_M

ClientSampleId :

SSTD0.416

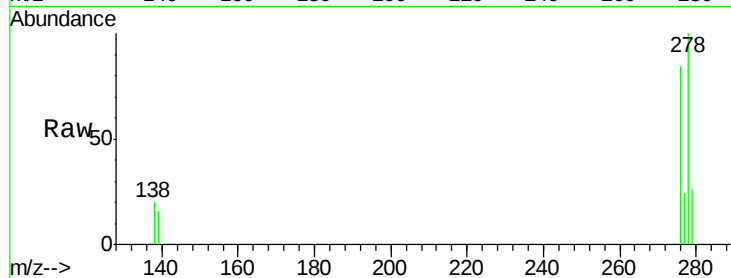
Tgt Ion:278 Resp: 10619

Ion Ratio Lower Upper

278 100

139 15.7 12.6 18.8

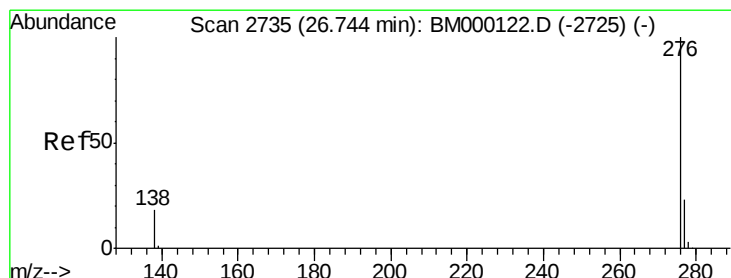
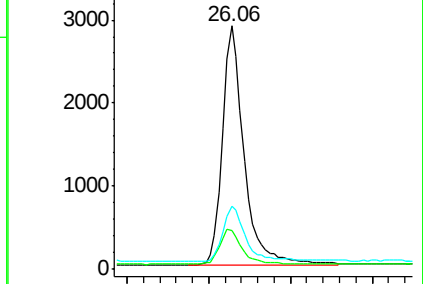
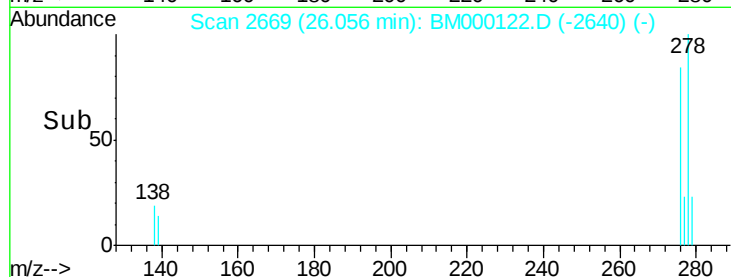
279 25.7 20.6 30.8



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



#26

Benzo(g,h,i)perylene

Concen: 0.39 ng/ul

RT: 26.74 min Scan# 2735

Delta R.T. 0.00 min

Lab File: BM000122.D

Acq: 07 Jan 2015 10:57

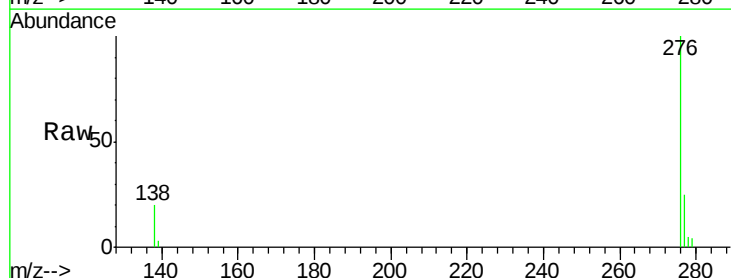
Tgt Ion:276 Resp: 11987

Ion Ratio Lower Upper

276 100

277 25.0 20.0 30.0

138 19.6 15.7 23.5



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

