

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM010715\
 Data File : BM000121.D
 Acq On : 07 Jan 2015 10:21
 Operator : TP/IZ
 Sample : SST0.215
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 SST0.215

Quant Time: Jan 08 01:41:21 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	3504	0.40	ng/ul	0.00
2) Naphthalene-d8	10.64	136	11729	0.40	ng/ul	0.00
6) Acenaphthene-d10	14.47	164	6985	0.40	ng/ul	0.00
10) Phenanthrene-d10	17.21	188	11947	0.40	ng/ul	0.00
16) Chrysene-d12	21.41	240	9082	0.40	ng/ul	0.00
20) Perylene-d12	23.70	264	8276	0.40	ng/ul	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) 2-Methylnaphthalene-d10	12.22	152	3190	0.21	ng/ul	0.00
14) Fluoranthene-d10	19.25	212	4997	0.19	ng/ul	0.00

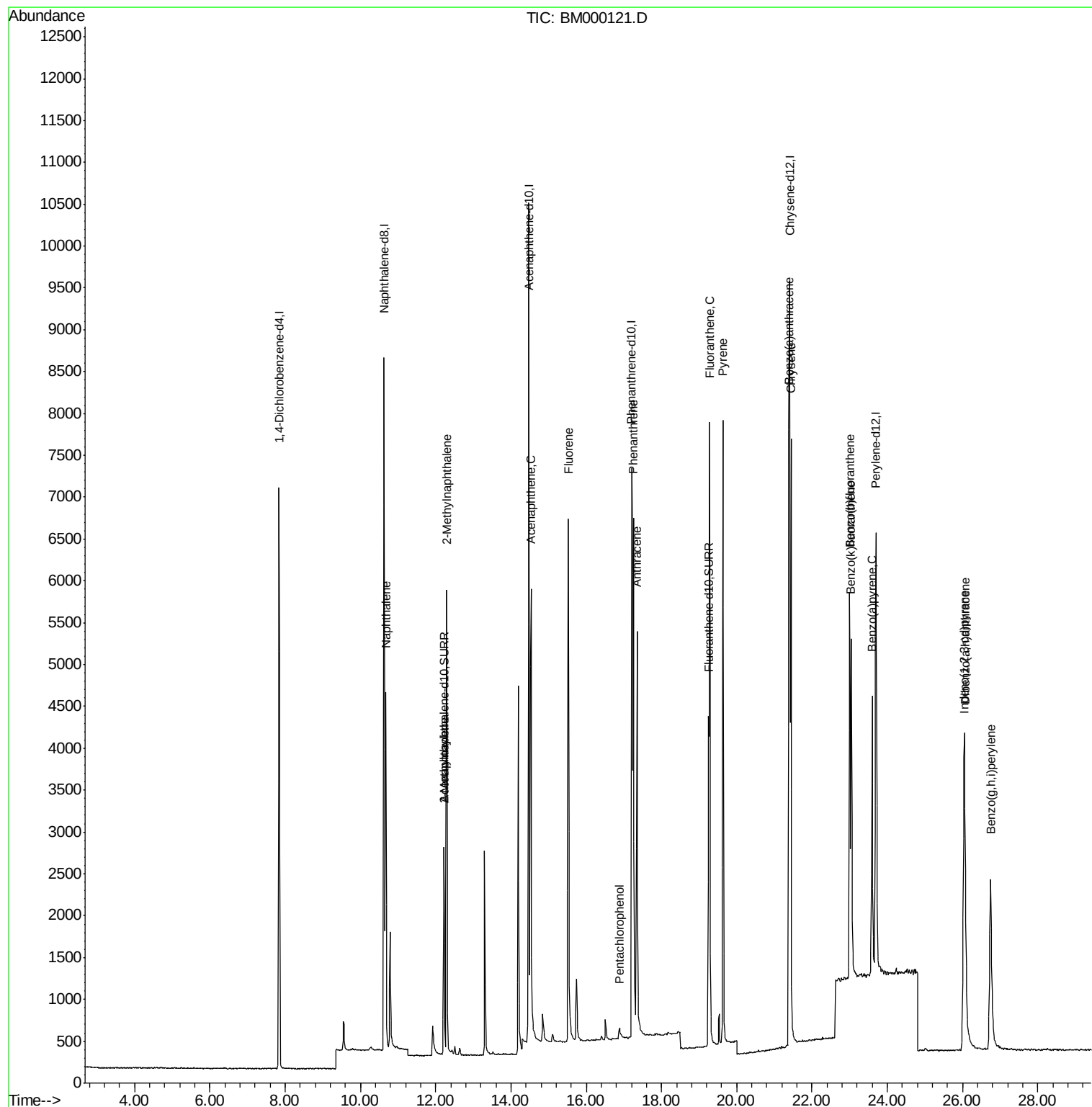
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Naphthalene	10.68	128	6359	0.20	ng/ul	99
5) 2-Methylnaphthalene	12.29	142	4162	0.20	ng/ul	98
7) Acenaphthylene	12.22	152	3190	0.20	ng/ul	99
8) Acenaphthene	14.54	153	4444	0.20	ng/ul	99
9) Fluorene	15.52	166	5009	0.20	ng/ul	99
11) Pentachlorophenol	16.88	266	264	0.14	ng/ul#	88
12) Phenanthrene	17.26	178	7504	0.20	ng/ul	99
13) Anthracene	17.35	178	6831	0.20	ng/ul	99
15) Fluoranthene	19.27	202	7787	0.19	ng/ul	99
17) Pyrene	19.63	202	8057	0.21	ng/ul	98
18) Benzo(a)anthracene	21.39	228	5982	0.20	ng/ul	98
19) Chrysene	21.44	228	6787	0.21	ng/ul	98
21) Benzo(b)fluoranthene	23.00	252	6299	0.19	ng/ul	95
22) Benzo(k)fluoranthene	23.04	252	6472	0.21	ng/ul#	95
23) Benzo(a)pyrene	23.60	252	5879	0.20	ng/ul#	91
24) Indeno(1,2,3-cd)pyrene	26.03	276	6644	0.20	ng/ul	99
25) Dibenzo(a,h)anthracene	26.06	278	5252	0.20	ng/ul	93
26) Benzo(g,h,i)perylene	26.74	276	5949	0.20	ng/ul	95

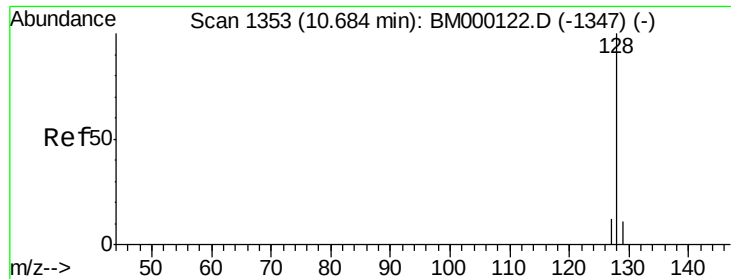
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Naphthalene

Concen: 0.20 ng/ul

RT: 10.68 min Scan# 1353

Delta R.T. -0.00 min

Lab File: BM000121.D

Acq: 07 Jan 2015 10:21

Instrument :

BNA_M

ClientSampleId :

SSTD0.215

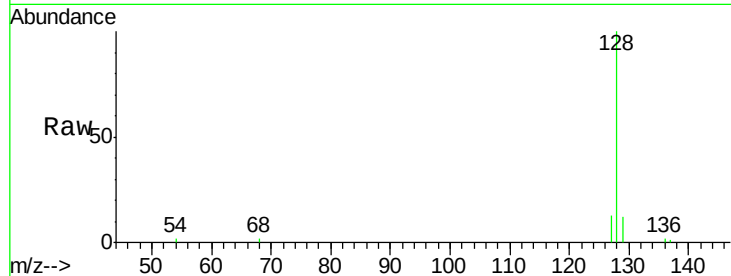
Tgt Ion:128 Resp: 6359

Ion Ratio Lower Upper

128 100

129 12.4 9.5 14.3

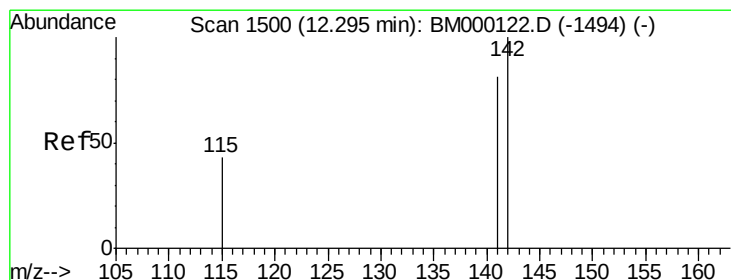
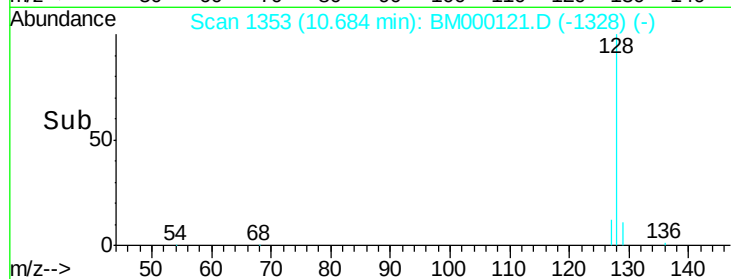
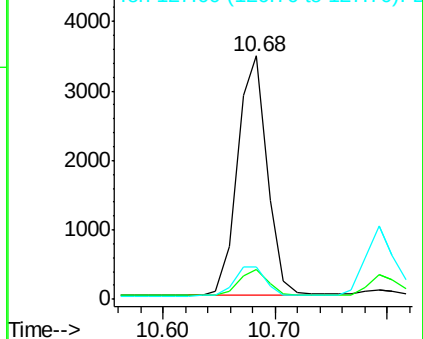
127 13.2 10.4 15.6



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: 0.20 ng/ul

RT: 12.29 min Scan# 1500

Delta R.T. -0.00 min

Lab File: BM000121.D

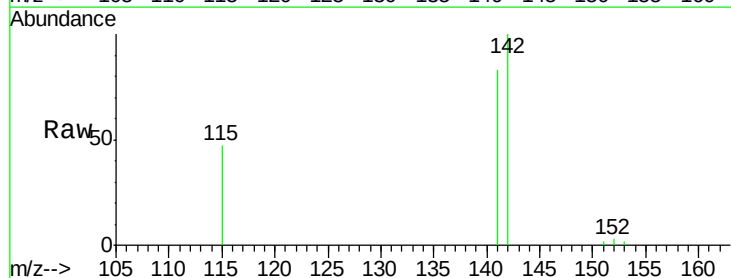
Acq: 07 Jan 2015 10:21

Tgt Ion:142 Resp: 4162

Ion Ratio Lower Upper

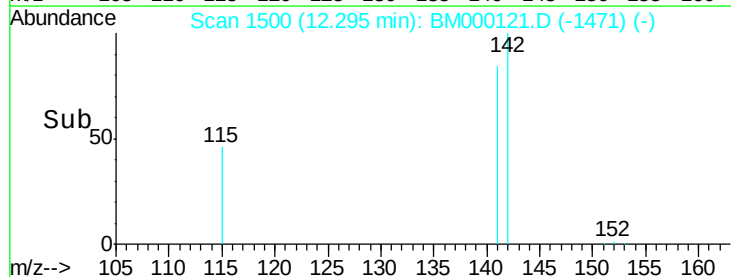
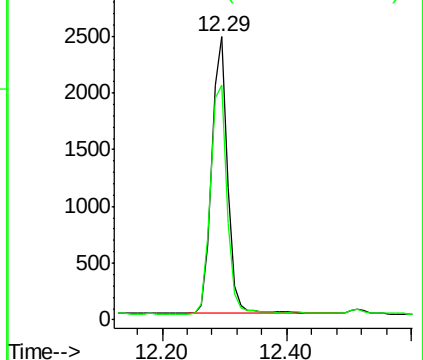
142 100

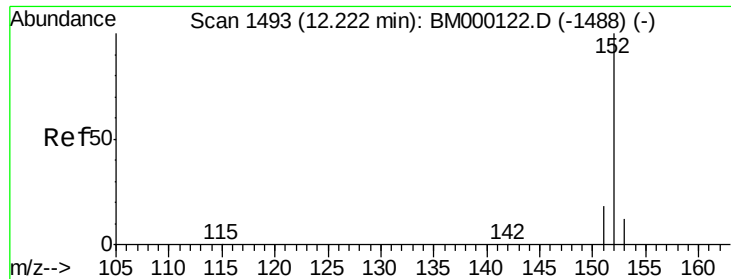
141 87.7 68.9 103.3



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#7

Acenaphthylene

Concen: 0.20 ng/ul

RT: 12.22 min Scan# 1493

Delta R.T. -0.00 min

Lab File: BM000121.D

Acq: 07 Jan 2015 10:21

Instrument :

BNA_M

ClientSampleId :

SSTD0.215

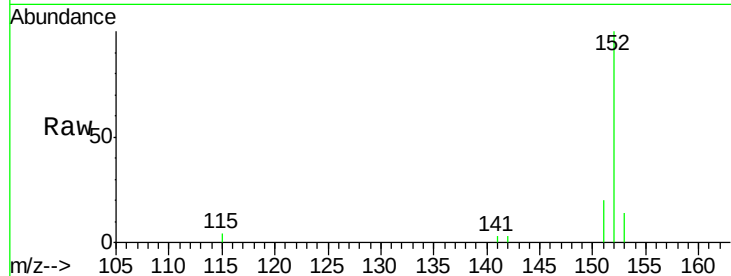
Tgt Ion:152 Resp: 3190

Ion Ratio Lower Upper

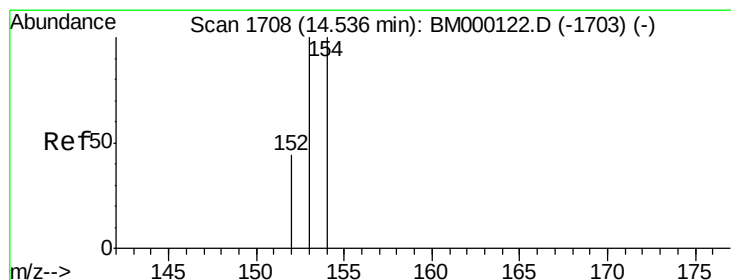
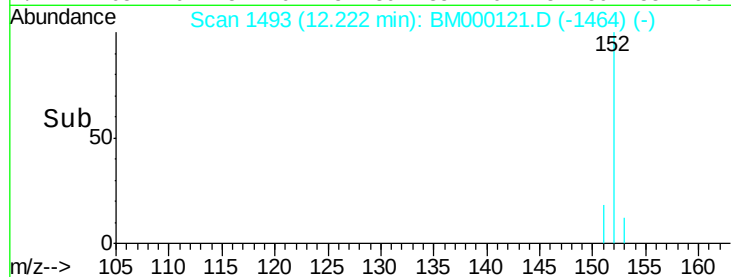
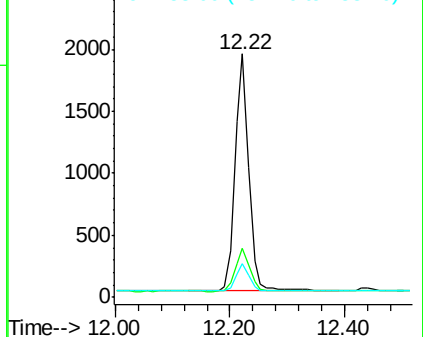
152 100

151 19.9 15.4 23.2

153 13.9 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: 0.20 ng/ul

RT: 14.54 min Scan# 1708

Delta R.T. -0.00 min

Lab File: BM000121.D

Acq: 07 Jan 2015 10:21

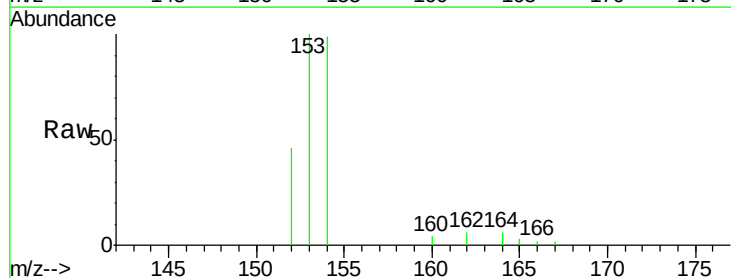
Tgt Ion:153 Resp: 4444

Ion Ratio Lower Upper

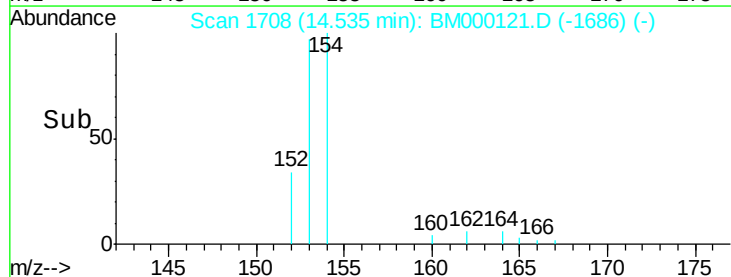
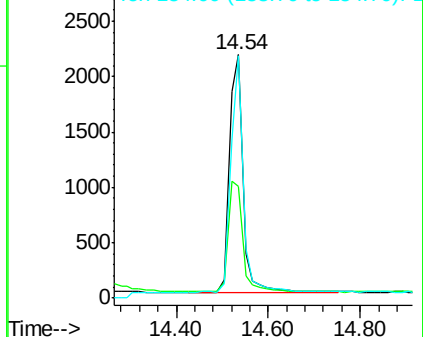
153 100

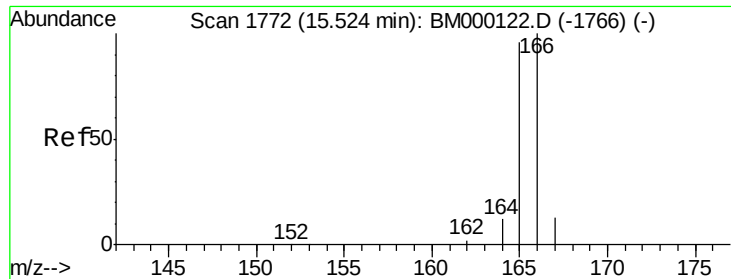
152 45.9 35.8 53.6

154 99.5 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

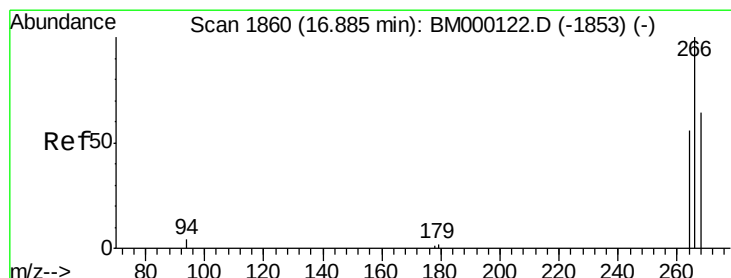
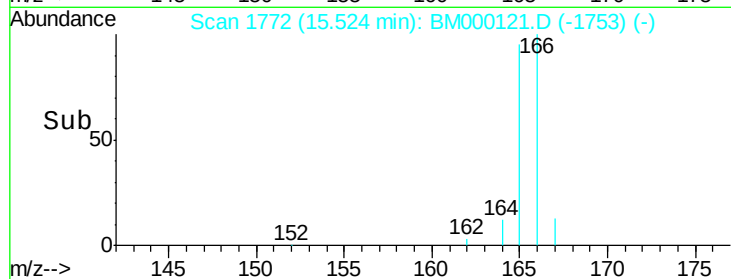
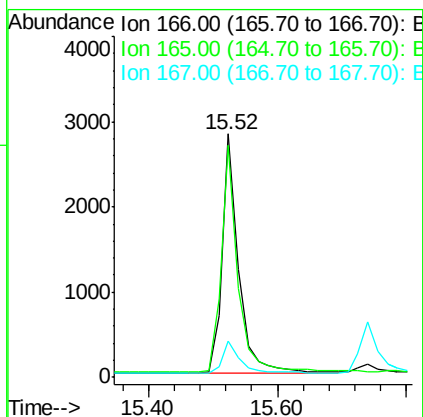
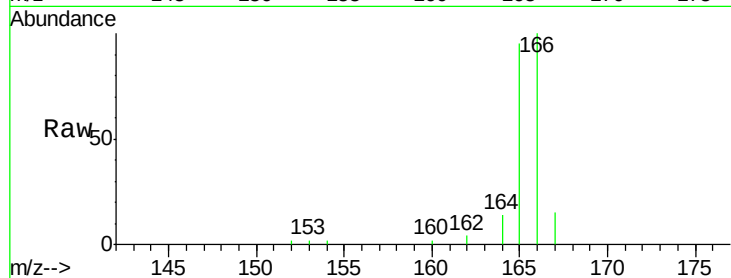




#9
Fluorene
 Concen: 0.20 ng/ul
 RT: 15.52 min Scan# 1772
 Delta R.T. -0.00 min
 Lab File: BM000121.D
 Acq: 07 Jan 2015 10:21

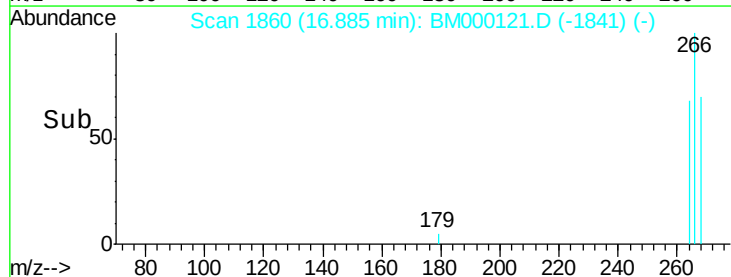
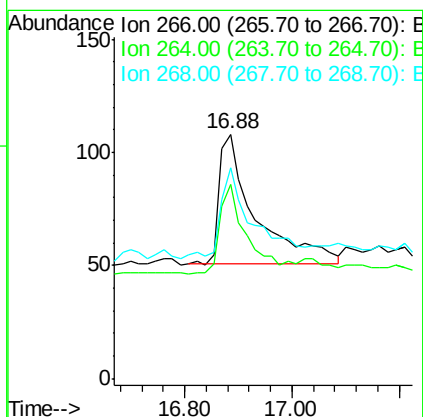
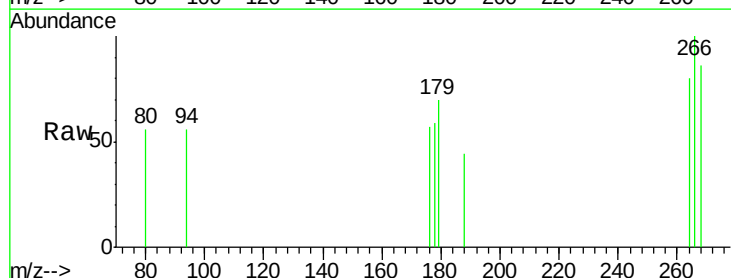
Instrument :
 BNA_M
 ClientSampleId :
 SST0.215

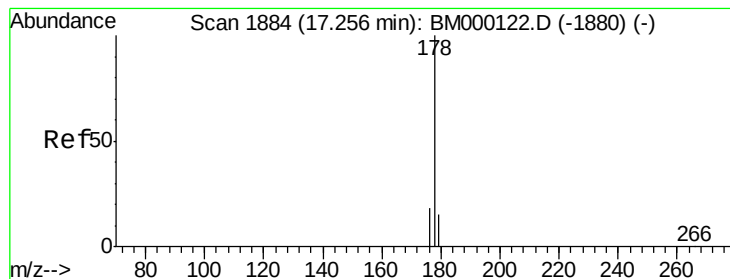
Tgt Ion:166 Resp: 5009
 Ion Ratio Lower Upper
 166 100
 165 95.5 77.0 115.4
 167 14.7 11.0 16.6



#11
Pentachlorophenol
 Concen: 0.14 ng/ul
 RT: 16.88 min Scan# 1860
 Delta R.T. -0.00 min
 Lab File: BM000121.D
 Acq: 07 Jan 2015 10:21

Tgt Ion:266 Resp: 264
 Ion Ratio Lower Upper
 266 100
 264 51.9 53.9 80.9#
 268 64.8 49.2 73.8





#12

Phenanthrene

Concen: 0.20 ng/ul

RT: 17.26 min Scan# 1884

Delta R.T. -0.00 min

Lab File: BM000121.D

Acq: 07 Jan 2015 10:21

Instrument :

BNA_M

ClientSampleId :

SSTD0.215

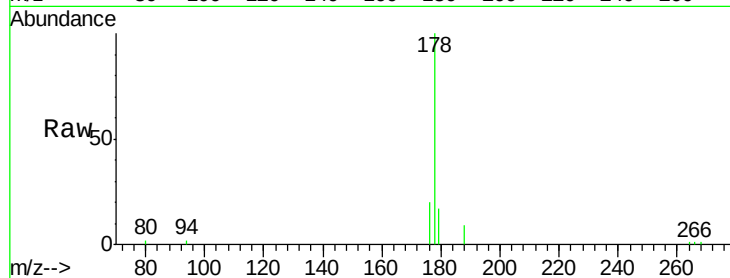
Tgt Ion:178 Resp: 7504

Ion Ratio Lower Upper

178 100

176 19.8 15.1 22.7

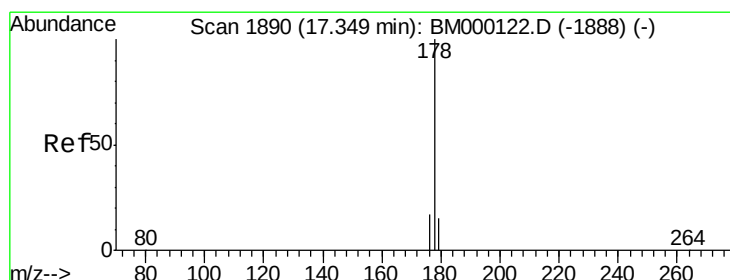
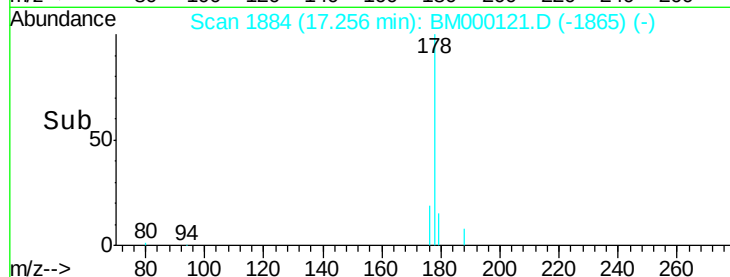
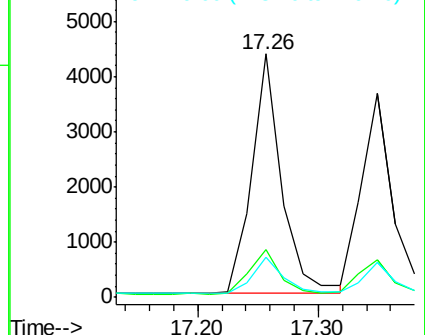
179 16.5 13.0 19.4



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: 0.20 ng/ul

RT: 17.35 min Scan# 1890

Delta R.T. -0.00 min

Lab File: BM000121.D

Acq: 07 Jan 2015 10:21

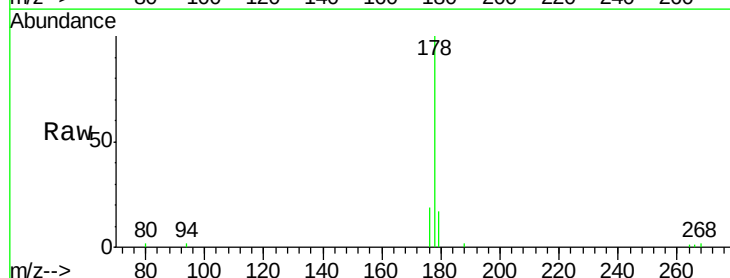
Tgt Ion:178 Resp: 6831

Ion Ratio Lower Upper

178 100

176 18.8 14.6 21.8

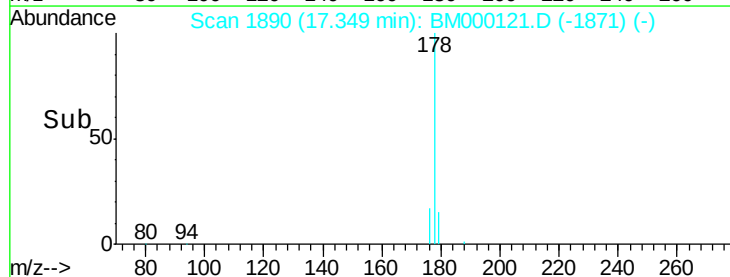
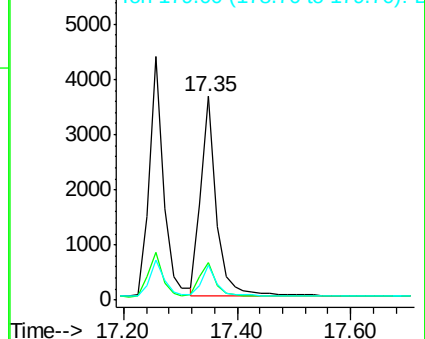
179 17.1 13.1 19.7

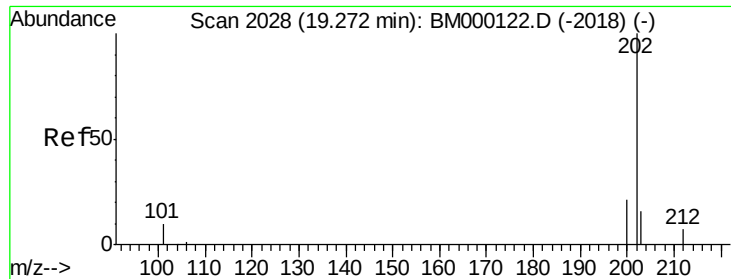


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E

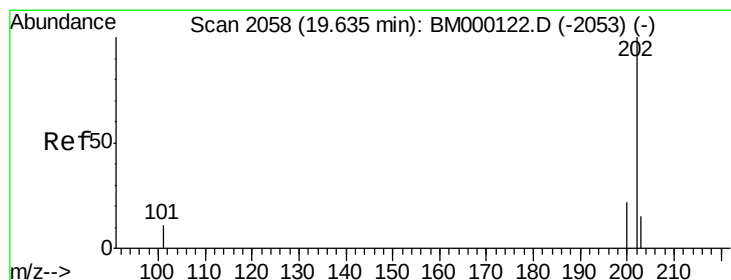
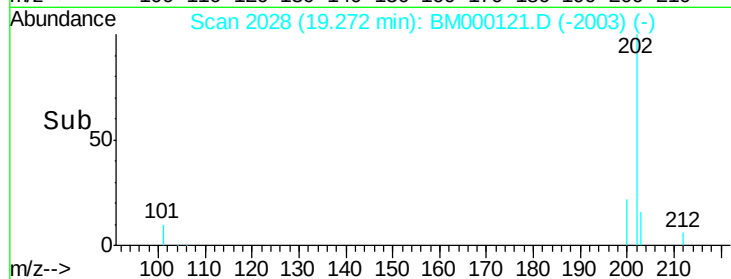
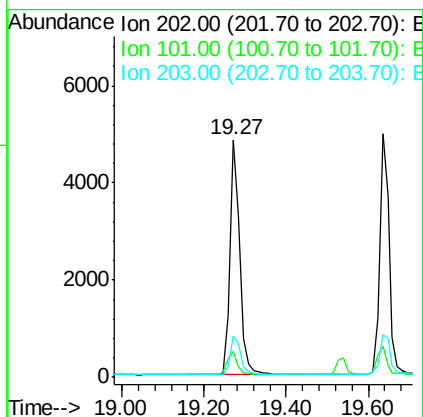
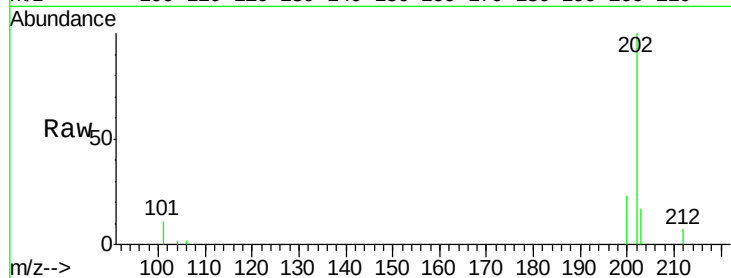




#15
Fluoranthene
Concen: 0.19 ng/ul
RT: 19.27 min Scan# 2028
Delta R.T. -0.00 min
Lab File: BM000121.D
Acq: 07 Jan 2015 10:21

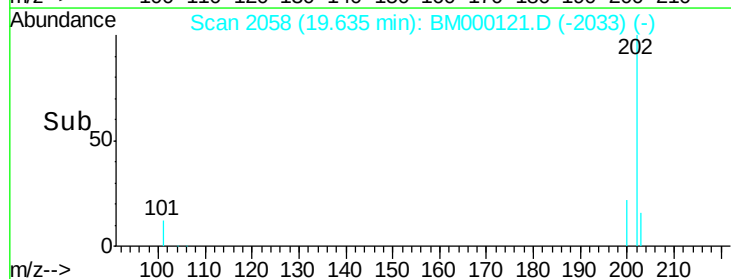
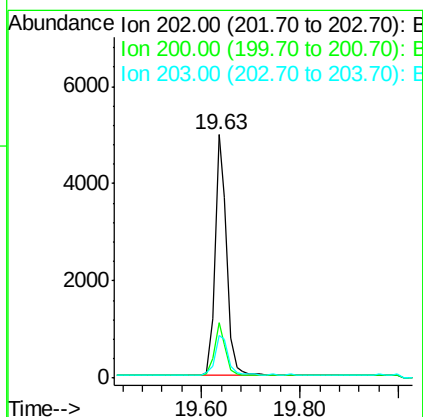
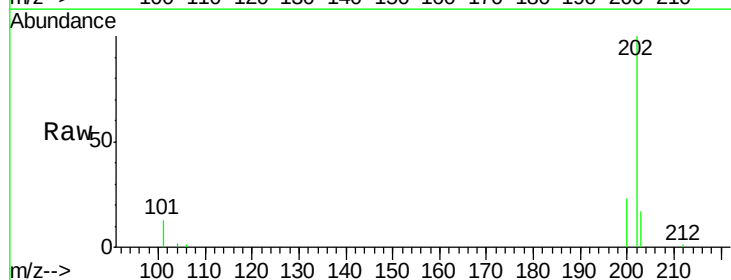
Instrument :
BNA_M
ClientSampleId :
SSTD0.215

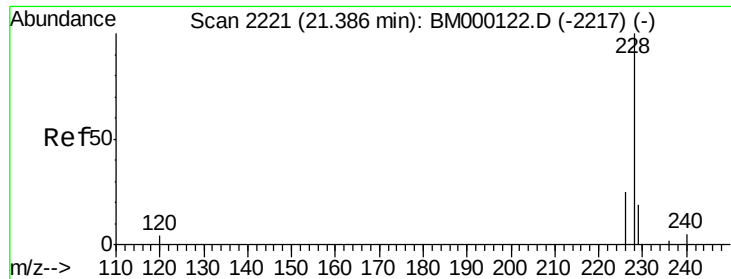
Tgt Ion:202 Resp: 7787
Ion Ratio Lower Upper
202 100
101 10.8 0.0 30.5
203 17.3 0.0 36.6



#17
Pyrene
Concen: 0.21 ng/ul
RT: 19.63 min Scan# 2058
Delta R.T. -0.00 min
Lab File: BM000121.D
Acq: 07 Jan 2015 10:21

Tgt Ion:202 Resp: 8057
Ion Ratio Lower Upper
202 100
200 22.9 17.9 26.9
203 17.4 12.8 19.2





#18

Benzo(a)anthracene

Concen: 0.20 ng/ul

RT: 21.39 min Scan# 2221

Delta R.T. -0.00 min

Lab File: BM000121.D

Acq: 07 Jan 2015 10:21

Instrument :

BNA_M

ClientSampleId :

SSTD0.215

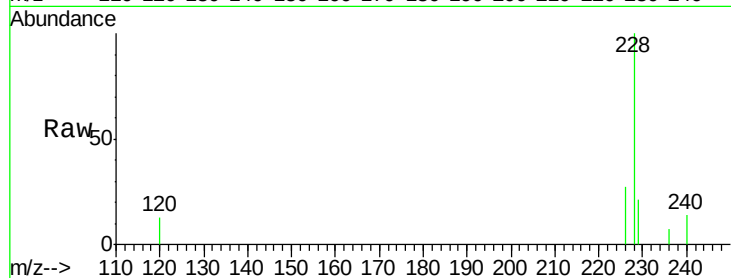
Tgt Ion:228 Resp: 5982

Ion Ratio Lower Upper

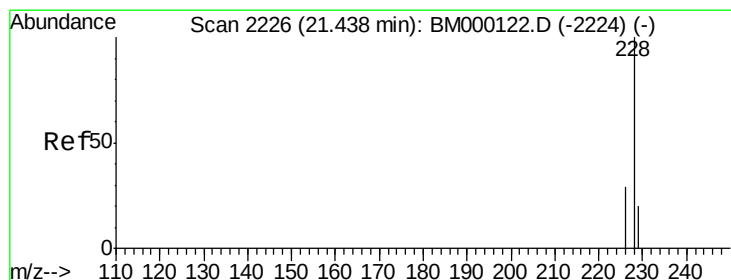
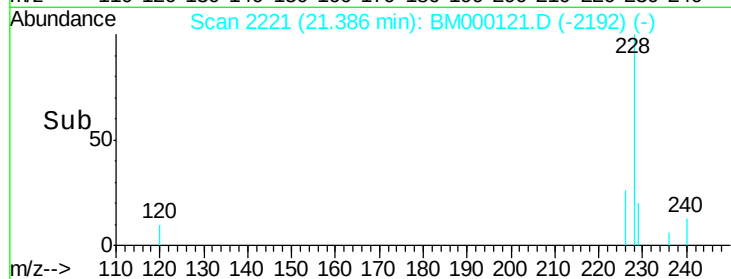
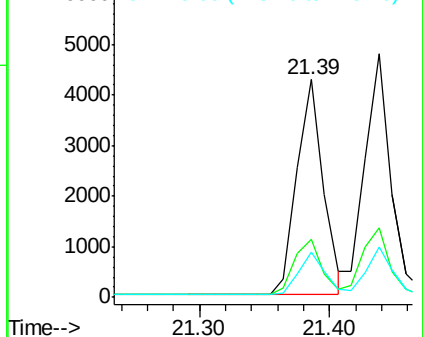
228 100

226 26.6 20.8 31.2

229 20.8 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: 0.21 ng/ul

RT: 21.44 min Scan# 2226

Delta R.T. -0.00 min

Lab File: BM000121.D

Acq: 07 Jan 2015 10:21

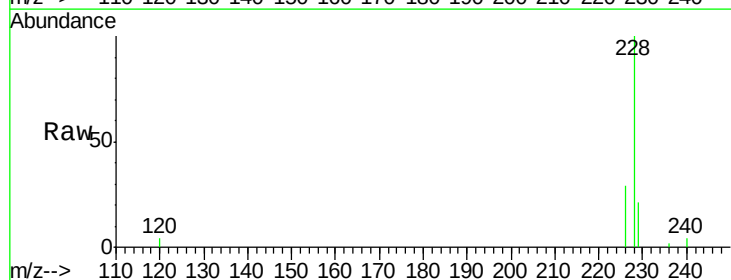
Tgt Ion:228 Resp: 6787

Ion Ratio Lower Upper

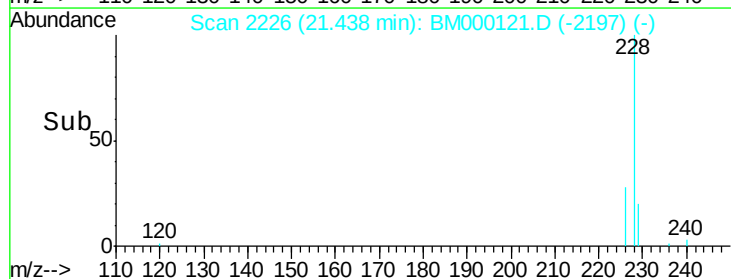
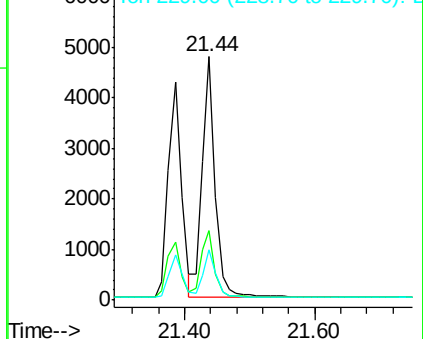
228 100

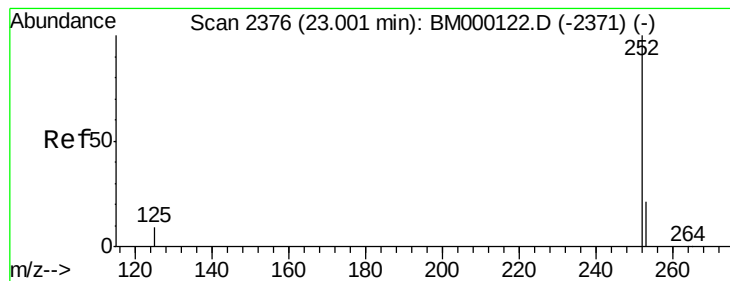
226 28.8 23.8 35.6

229 20.5 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: 0.19 ng/ul

RT: 23.00 min Scan# 2376

Delta R.T. -0.00 min

Lab File: BM000121.D

Acq: 07 Jan 2015 10:21

Instrument :

BNA_M

ClientSampleId :

SSTD0.215

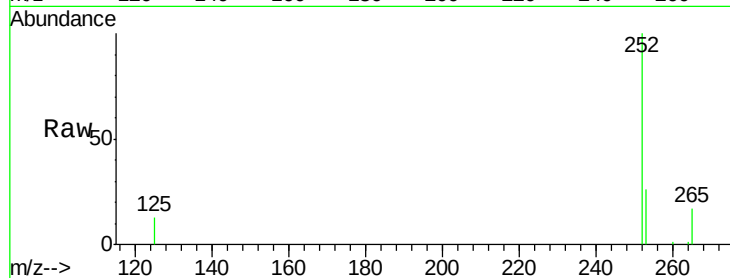
Tgt Ion:252 Resp: 6299

Ion Ratio Lower Upper

252 100

253 26.3 0.0 48.2

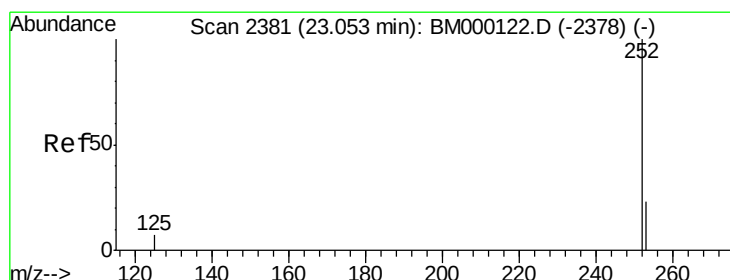
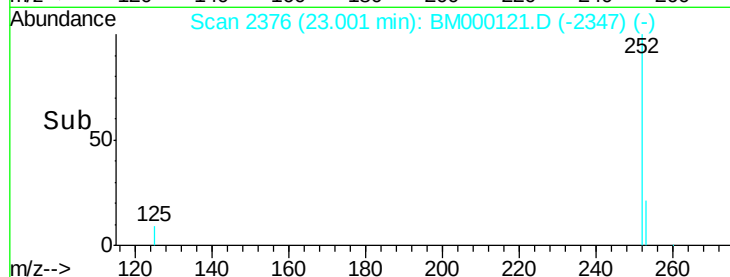
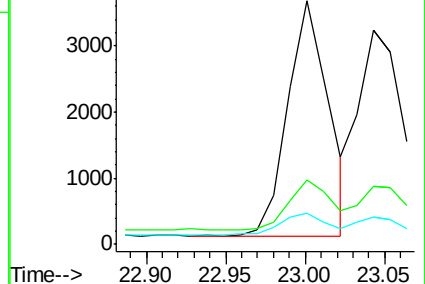
125 12.8 0.0 21.6



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: 0.21 ng/ul

RT: 23.04 min Scan# 2380

Delta R.T. -0.01 min

Lab File: BM000121.D

Acq: 07 Jan 2015 10:21

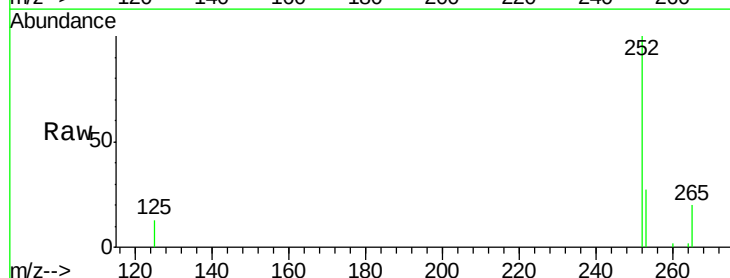
Tgt Ion:252 Resp: 6472

Ion Ratio Lower Upper

252 100

253 27.2 20.5 30.7

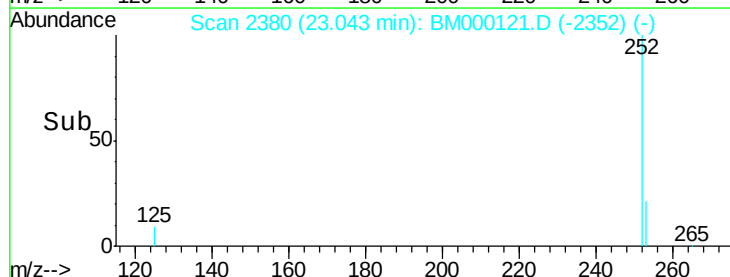
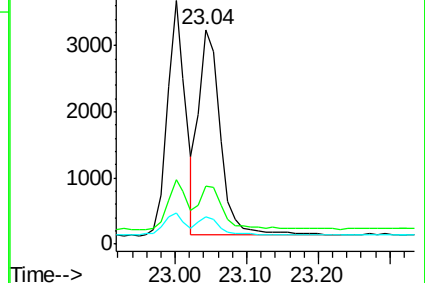
125 13.0 7.8 11.8#

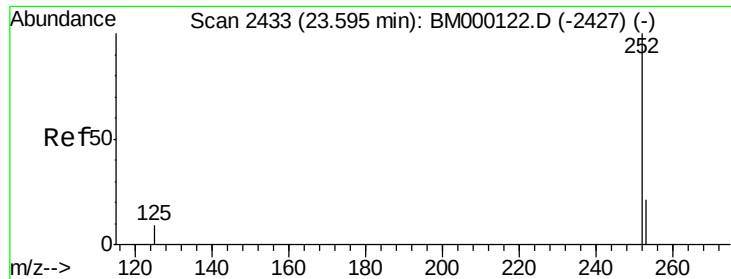


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#23

Benzo(a)pyrene

Concen: 0.20 ng/ul

RT: 23.60 min Scan# 2433

Delta R.T. -0.00 min

Lab File: BM000121.D

Acq: 07 Jan 2015 10:21

Instrument :

BNA_M

ClientSampleId :

SSTD0.215

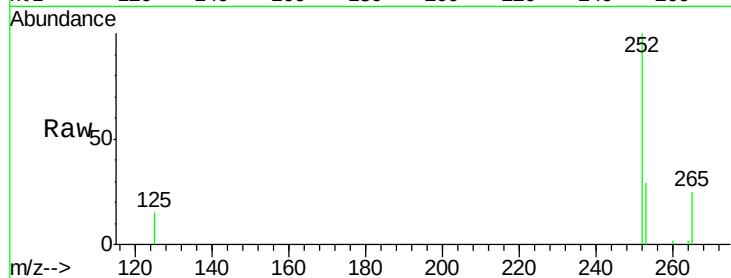
Tgt Ion:252 Resp: 5879

Ion Ratio Lower Upper

252 100

253 29.3 19.8 29.6

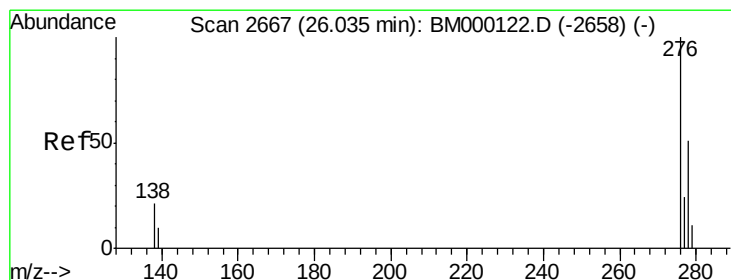
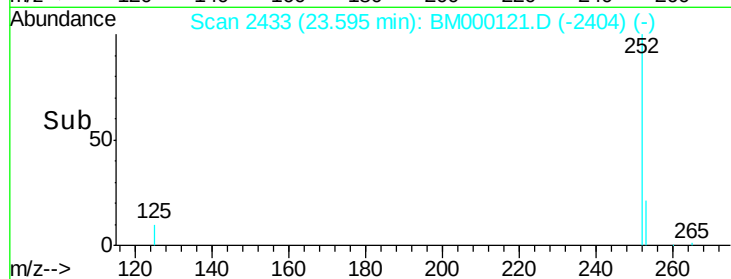
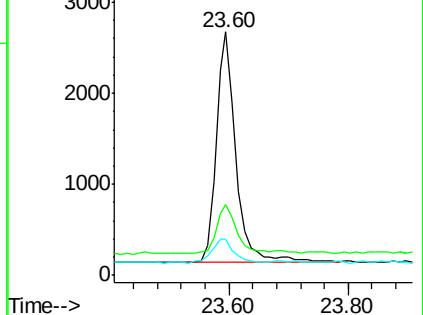
125 14.7 9.2 13.8#



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: 0.20 ng/ul

RT: 26.03 min Scan# 2667

Delta R.T. -0.00 min

Lab File: BM000121.D

Acq: 07 Jan 2015 10:21

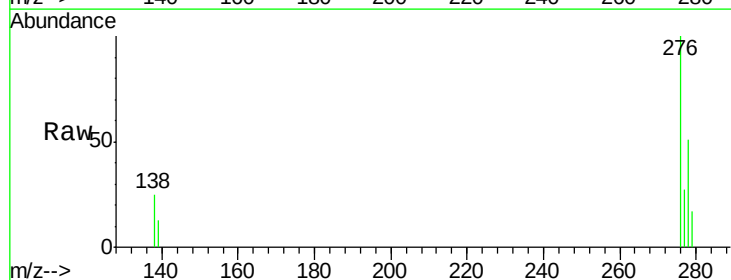
Tgt Ion:276 Resp: 6644

Ion Ratio Lower Upper

276 100

138 21.7 17.6 26.4

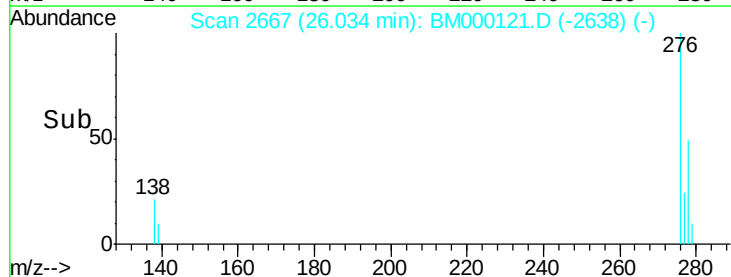
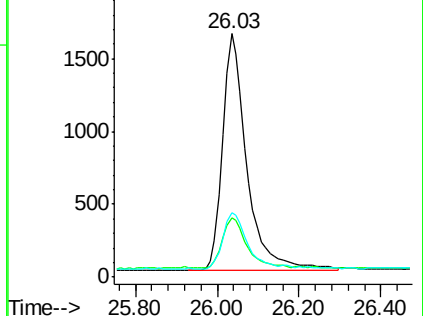
277 24.6 19.9 29.9

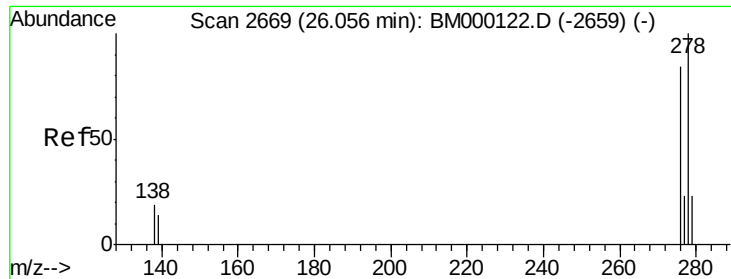


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E

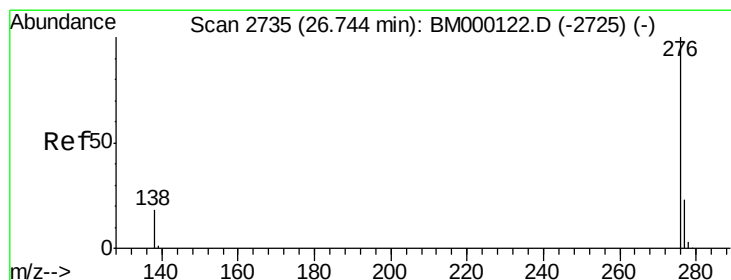
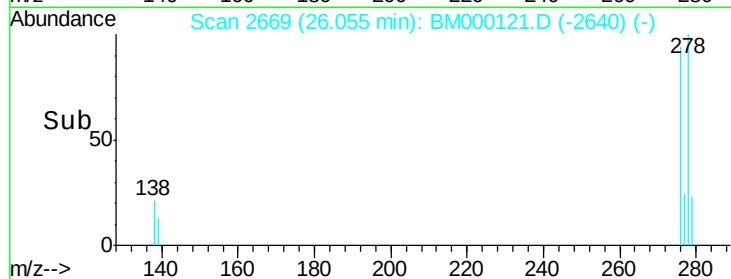
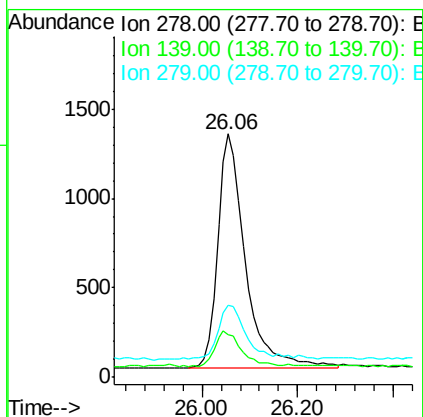
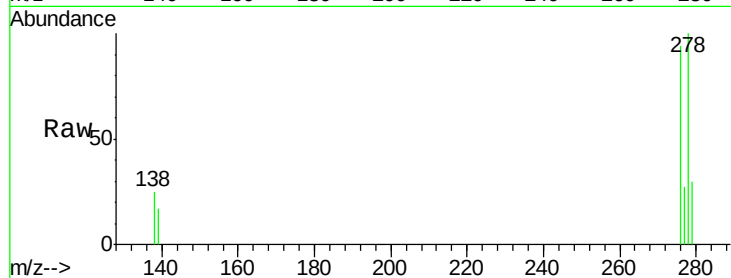




#25
Dibenzo(a,h)anthracene
Concen: 0.20 ng/ul
RT: 26.06 min Scan# 2669
Delta R.T. -0.00 min
Lab File: BM000121.D
Acq: 07 Jan 2015 10:21

Instrument :
BNA_M
ClientSampleId :
SSTD0.215

Tgt Ion: 278 Resp: 5252
Ion Ratio Lower Upper
278 100
139 17.5 12.6 18.8
279 29.8 20.6 30.8



#26
Benzo(g,h,i)perylene
Concen: 0.20 ng/ul
RT: 26.74 min Scan# 2735
Delta R.T. -0.00 min
Lab File: BM000121.D
Acq: 07 Jan 2015 10:21

Tgt Ion: 276 Resp: 5949
Ion Ratio Lower Upper
276 100
277 26.2 20.0 30.0
138 23.0 15.7 23.5

